CERTIFICATION TEST REPORT

Report Number: R12922855-E9

Applicant	:	Microsoft Corporation One Microsoft Way Redmond, WA 98052-6399 USA
Model	:	1867
FCC ID	:	C3K1867
IC	:	3048A-1867
EUT Description	:	Portable Computing Device
Test Standard(s)	:	FCC 47 CFR PART 15 SUBPART E (Except DFS) ISED RSS-247 ISSUE 2 ISED RSS-GEN ISSUE 5

Date Of Issue:
2019-09-09

Prepared by:
UL LLC
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Research Triangle Park, NC 27709 U.S.A.
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NVLAP TESTING
NVLAP Lab code: 200246-0

REPORT REVISION HISTORY

Ver.	Issue Date	Revisions	Revised By
1	2019-08-29	Initial Issue	Brian T. Kiewra
2	2019-09-09	Added AC power adaptor to support equipment. Added setup photo reference in Section 12. Revised Table of Contents. Added model similarity explanation to Section 4	Brian T. Kiewra

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399
USA

EUT DESCRIPTION: Portable Computing Device

MODEL: 1867

SERIAL NUMBER: See Section 6.5

DATE TESTED: 2019-07-26 to 2019-08-16

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 Part 15 Subpart E (Except DFS)	Complies
ISED RSS-247 Issue 2	Complies
ISED RSS-GEN Issue 5	Complies

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. government.

Approved & Released
For UL LLC By:

Jeff Moser
Operations Leader
UL – Consumer Technology Division

Prepared By:

Brian T. Kiewra
Project Engineer
UL – Consumer Technology Division

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, FCC 14-30, FCC KDB 662911 D01 v02r01, FCC KDB 789033 D02 v02r01, ANSI C63.10-2013, FCC 06-96, RSS-GEN Issue 5, and RSS-247 Issue 2.

This report pertains to the 802.11ax mode requirements of EUT 1867.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 12 Laboratory Drive, Research Triangle Park, NC 27709, USA and 2800 Perimeter Park Dr., Suite B, Morrisville, NC 27590, USA. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

12 Laboratory Dr.	2800 Perimeter Park Dr.
Site Code: 2180C	
☐ Chamber A RTP	☒ North Chamber
☐ Chamber C RTP	☒ South Chamber

The above test sites and facilities are covered under FCC Test Firm Registration # 703469. Chambers above are covered under ISED Canada company address and respective code.

UL LLC (RTP) is accredited by NVLAP, Laboratory Code 200246-0

4. SCOPE OF REPORT

This test report covers the radiated emissions for model 1867 for 5.6 GHz 802.11ax HE20, HE40, HE80, and HE160. Antenna port conducted emissions data for 1867 is leveraged from model 1868 (FCC ID: C3K1868, IC: 3048A-1868) in UL report number R12935938-E9. For model 1867, AC mains line conducted emissions and worst-case radiated emisisons can be found in UL report number R12922855-E11 (FCC ID: C3K1867, IC: 3048A-1867).

Models 1867 and 1868 are electrically and RF equivalent as they use the same motherboard, radio module and on-board RF components. Both models share a common WiFi and BT power table. The radio-related firmware and driver versions are the same for the two models. The peak antenna gains are in the antenna gain section of the report. Antenna port conducted emissions measurements are done on model 1868 (FCC ID: C3K1868, IC: 3048A-1868) and the data is leveraged for model 1867 (FCC ID: C3K1867, IC: 3048A-1867). Highest antenna gain across the two models in each band has been considered while doing the conducted emissions measurements. Separate radiated & SAR measurements are done on each model.

5. CALIBRATION AND UNCERTAINTY

5.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

5.2. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:
Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:
Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss.
36.5 dBuV + 0 dB +10.1 dB+ 0 dB = 46.6 dBuV

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
All emissions, radiated	5.17 dB
Temperature	2.26°C
Humidity	6.79%
DC Supply voltages	1.70%
Time	3.39%

Uncertainty figures are valid to a confidence level of 95%.

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is a Portable Computing Device that contains 802.11 a/ac/ax/b/g/n 20/40/80/160MHz 2x2 dual band and BT/BLE radios.

6.2. MAXIMUM OUTPUT POWER

Refer to Model 1868 (FCC ID: C3K1868, IC: 3048A-1868) report R12935938-E9 for output power. Note – Power for Model 1867 is derived from model 1868. SISO and MIMO per chain power are set to the same level

6.3. TEST REDUCTIONS CASES

Radiated band edge:

- All tones and bandwdiths were tested.
- The RU allocations closest to the band edge was tested to cover all other RU allocations.

Radiated spurious emissions:

- For 5.6GHz band, HE20 26T and full tone was investigated. It was determined that HE20 26T at the highest power setting to be worst case due to Power and PSD levels. Thus only HE20 26T was tested to cover all tones at HE20, HE40, and HE80. Note – highest power setting is higher than measured power.

6.4. DESCRIPTION OF AVAILABLE ANTENNAS

Frequency Range (GHz)	Antenna Type	Peak Gain (dBi) Chain 0 (Right)	Peak Gain (dBi) Chain 1 (Left)
Model 1867			
2.4 to 2.48	PIFA	0.7	2.6
5.15 to 5.25		4.9	4.4
5.25 to 5.35		6.1	5.0
5.47 to 5.72		7.2	5.5
5.725 to 5.85		9.4	5.6
Model 1868			
2.4 to 2.48	PIFA	0.4	1.0
5.15 to 5.25		3.6	2.2
5.25 to 5.35		5.2	3.5
5.47 to 5.72		6.4	4.7
5.725 to 5.85		7.8	4.5

The 5 GHz WLAN radio utilizes Chain 0 and chain 1.

NOTE: Antenna 1 = Chain 0
Antenna 2 = Chain 1

6.5. SOFTWARE AND FIRMWARE

EUT	Serial Number	Radio Test Tool Version	OS Version	BT Driver Version	WiFi Driver Version	EUT's Power Supply (s/n)
R-557-1867-FCC-RADIATED-08	006438792757	11.1916.0-09531	MTEOS 1.652.0	21.0.19157.20088	99.0.43.8	0D130P028D596
R-557-1867-FCC-RADIATED-09	006439692757	11.1916.0-09531	MTEOS 1.652.0	21.0.19157.20088	99.0.43.8	0D130P01H1596

6.6. WORST-CASE CONFIGURATION AND MODE

Radiated emissions below 1GHz, above 18GHz, and power line conducted emissions were performed in worst-case test report R12922855-E11 (FCC ID: C3K1867, IC: 3048A-1867).

Band edge and radiated emissions between 1GHz and 18GHz were performed with the EUT set to transmit at the highest power on low, middle and high channels.

The EUT has one intended orientations, X; therefore, all final radiated testing was performed with the EUT in X orientation.

Worst-case data rates as provided by the client were:

802.11ax HE20mode: MCS0 NSS2
802.11ax HE40mode: MCS0 NSS2
802.11ax HE80mode: MCS0 NSS2
802.11ax HE160mode: MCS0 NSS2

All radios that can transmit simultaneously have been evaluated for radiated for all possible combinations of transmission and found to be in compliance.

6.7. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
USB Hub	J5 Create	JCA374	AY2A1904000477 / AY6A1903004261	N/A
Earbuds	Sony	MDR-EX14AP	Non-Serialized	N/A
USB Flash Drive	Kingston	Data Traveler G4	Non-Serialized	N/A
AC Adaptor	Microsoft	1706	0D130P01H1596	N/A

I/O CABLES

I/O Cable List						
Cable No.	**Port**	**# of Identical Ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	Mains	1	12-pin	Mains	<3m	None
2	USB-A	1	USB-A	USB	<3m	None
3	USB-C	1	USB-C	USB	<3m	None
4	Aux	1	Aux	Aux	<3m	None

TEST SETUP

The test utility software was located on the EUT during the tests and was used to exercised the radios.

SETUP DIAGRAMS

Please refer to 12922855-EP1 for setup diagrams

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville - North Chamber)

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
1-18 GHz					
AT0067	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2019-03-22	2020-03-22
Gain-Loss Chains					
N-SAC03	Gain-loss string: 1-18GHz	Various	Various	2019-03-15	2020-03-15
Receiver & Software					
SA0026	Spectrum Analyzer	Agilent	N9030A	2019-03-19	2020-03-19
SOFTEMI	EMI Software	UL	Version 9.5	NA	NA
Additional Equipment used					
s/n 181474341	Environmental Meter	Fisher Scientific	15-077-963	2018-07-27	2020-07-27

NOTES:
1. For equipment listed above that was calibrated during the testing period, please note the equipment was used for testing after calibration.
2. For equipment listed above that has a calibration due date during the testing period, the testing was completed before the equipment expiration date.

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Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville - South Chamber)

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
1-18 GHz					
AT0072	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2019-04-22	2020-04-22
Gain-Loss Chains					
S-SAC03	Gain-loss string: 1-18GHz	Various	Various	2019-03-13	2020-03-13
Receiver & Software					
SA0025	Spectrum Analyzer	Agilent	N9030A	2019-02-28	2020-02-28
SOFTEMI	EMI Software	UL	Version 9.5	NA	NA
Additional Equipment used					
s/n 181474409	Environmental Meter	Fisher Scientific	15-077-963	2018-07-27	2020-07-27

NOTES:

1. For equipment listed above that was calibrated during the testing period, please note the equipment was used for testing after calibration.
2. For equipment listed above that has a calibration due date during the testing period, the testing was completed before the equipment expiration date.

Test Equipment Used – Antenna Port Conducted Testing (Morrisville)

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
SA0027	PXA Signal Analyzer	Keysight Technologies	MY54490254	2019-05-15	2020-05-15
s/n 160938893	Environmental Meter	Fisher Scientific	14-650-118	2019-06-17	2020-06-17
224604-002	Coaxial Testing Cable	Uti-flex	UFA147A-0-0180-200200	NA	NA
Antenna Port	Antenna Port Software	Antenna	Version 10.0.1	NA	NA

NOTES:
1. For equipment listed above that was calibrated during the testing period, please note the equipment was used for testing after calibration.
2. For equipment listed above that has a calibration due date during the testing period, the testing was completed before the equipment expiration date.

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8. MEASUREMENT METHOD

On Time and Duty Cycle: KDB 789033 D02 v02r01, Section II B.

Unwanted emissions in restricted bands: KDB 789033 D02 v02r01, Section II G.3, G.5, and G.6.

Unwanted emissions in non-restricted bands: KDB 789033 D02 v02r01, Section II G.3 and G.5.

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9. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

789033 D02 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
802.11ax HE20 OFDMA, SU	3.967	4.016	0.988	98.78%	0.00	0.010
802.11ax HE20 OFDMA, RU size 242T	3.977	4.026	0.988	98.78%	0.00	0.010
802.11ax HE20 OFDMA, RU size 106T	3.977	4.026	0.988	98.78%	0.00	0.010
802.11ax HE20 OFDMA, RU size 52T	3.977	4.026	0.988	98.78%	0.00	0.010
802.11ax HE20 OFDMA, RU size 26T	3.977	4.026	0.988	98.78%	0.00	0.010
802.11ax HE40 OFDMA, SU	3.967	4.012	0.989	98.88%	0.00	0.010
802.11ax HE40 OFDMA, RU size 484T	3.975	4.022	0.988	98.83%	0.00	0.010
802.11ax HE40 OFDMA, RU size 242T	3.977	4.027	0.988	98.76%	0.00	0.010
802.11ax HE40 OFDMA, RU size 106T	3.977	4.027	0.988	98.76%	0.00	0.010
802.11ax HE40 OFDMA, RU size 52T	3.975	4.024	0.988	98.78%	0.00	0.010
802.11ax HE40 OFDMA, RU size 26T	3.975	4.024	0.988	98.78%	0.00	0.010
802.11ax HE80 OFDMA, SU	3.980	4.027	0.988	98.83%	0.00	0.010
802.11ax HE80 OFDMA, RU size 996T	3.977	4.024	0.988	98.83%	0.00	0.010
802.11ax HE80 OFDMA, RU size 484T	3.977	4.024	0.988	98.83%	0.00	0.010
802.11ax HE80 OFDMA, RU size 242T	3.977	4.024	0.988	98.83%	0.00	0.010
802.11ax HE80 OFDMA, RU size 106T	3.977	4.024	0.988	98.83%	0.00	0.010
802.11ax HE80 OFDMA, RU size 52T	3.977	4.024	0.988	98.83%	0.00	0.010
802.11ax HE80 OFDMA, RU size 26T	3.977	4.024	0.988	98.83%	0.00	0.010
802.11ax HE160 OFDMA, SU	2.280	2.327	0.980	97.98%	0.09	0.439
802.11ax HE160 OFDMA, RU size 2x996T	3.975	4.029	0.987	98.66%	0.00	0.010
802.11ax HE160 OFDMA, RU size 996T	3.975	4.029	0.987	98.66%	0.00	0.010
802.11ax HE160 OFDMA, RU size 484T	3.975	4.029	0.987	98.66%	0.00	0.010
802.11ax HE160 OFDMA, RU size 242T	3.975	4.029	0.987	98.66%	0.00	0.010
802.11ax HE160 OFDMA, RU size 106T	3.975	4.029	0.987	98.66%	0.00	0.010
802.11ax HE160 OFDMA, RU size 52T	3.975	4.029	0.987	98.66%	0.00	0.010
802.11ax HE160 OFDMA, RU size 26T	3.975	4.029	0.987	98.66%	0.00	0.010

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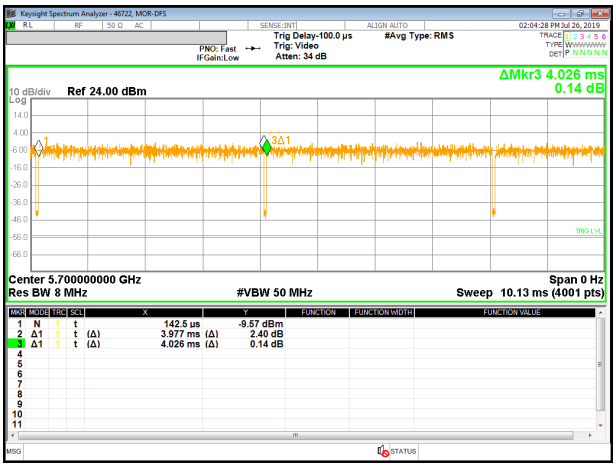
802.11ax HE20 OFDMA, RU size 242T MODE

802.11ax HE20 OFDMA, RU size 106T MODE

802.11ax HE20 OFDMA, RU size 52T MODE



802.11ax HE20 OFDMA, RU size 26T MODE

802.11ax HE20 OFDMA, SU MODE

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802.11ax HE40 OFDMA, RU size 484T MODE

802.11ax HE40 OFDMA, RU size 242T MODE

802.11ax HE40 OFDMA, RU size 106T MODE

802.11ax HE40 OFDMA, RU size 52T MODE

802.11ax HE40 OFDMA, RU size 26T MODE

802.11ax HE40 OFDMA, SU

802.11ax HE80 OFDMA, RU size 996T MODE

802.11ax HE80 OFDMA, RU size 484T MODE

802.11ax HE80 OFDMA, RU size 242T MODE

802.11ax HE80 OFDMA, RU size 106T MODE

802.11ax HE80 OFDMA, RU size 52T MODE

802.11ax HE80 OFDMA, RU size 26T MODE

802.11ax HE80 OFDMA, SU MODE

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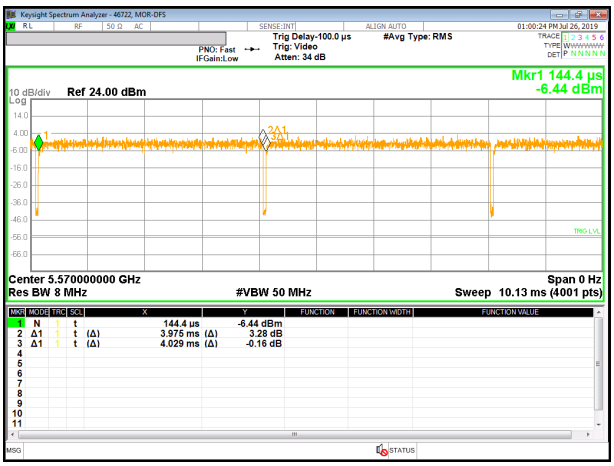
802.11ax HE160 OFDMA, RU size 2x996T MODE

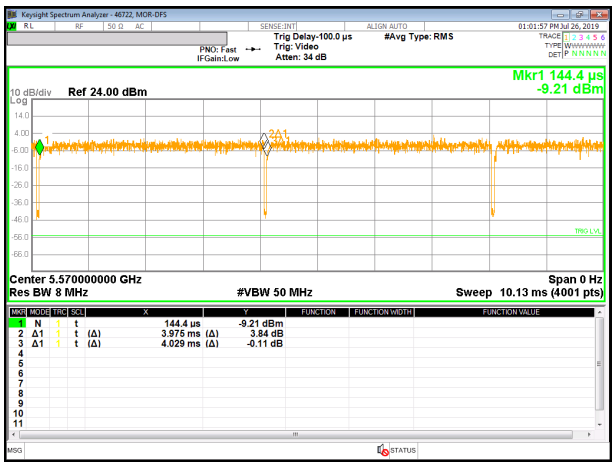
802.11ax HE160 OFDMA, RU size 996T MODE

802.11ax HE160 OFDMA, RU size 484T MODE

802.11ax HE160 OFDMA, RU size 242T MODE

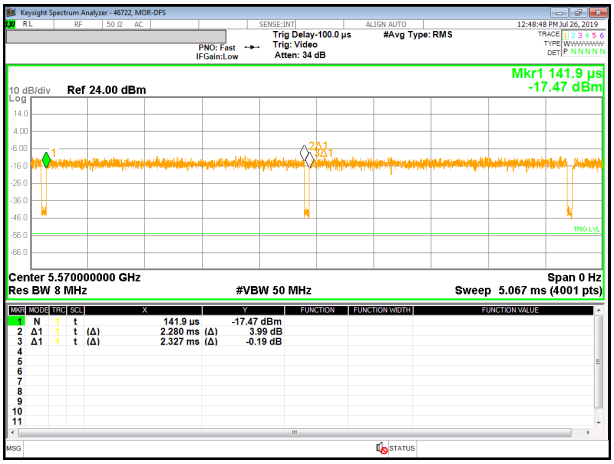


802.11ax HE160 OFDMA, RU size 106T MODE



802.11ax HE160 OFDMA, RU size 52T MODE

802.11ax HE160 OFDMA, RU size 26T MODE



802.11ax HE160 OFDMA, SU MODE

10. RADIATED TEST RESULTS FOR 11ax 5.6 GHz

LIMITS

FCC §15.205 and §15.209 - Restricted bands

FCC §15.407(b)(1-4) - Unrestriced bands

After January 01, 2019 for Outside of the Restricted Bands Emissions

RSS 247 Issue 2 Sections

6.2.1.2 (for 5150-5250 MHz band)
6.2.2.2 (for 5250-5350 MHz band)
6.2.3.2 (for 5470-5600 MHz and 5650-5725 MHz bands)
6.2.4.2 (for 5725-5850 MHz band)

NCC LP0002 §2.7 and §2.8

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5 GHz bands.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

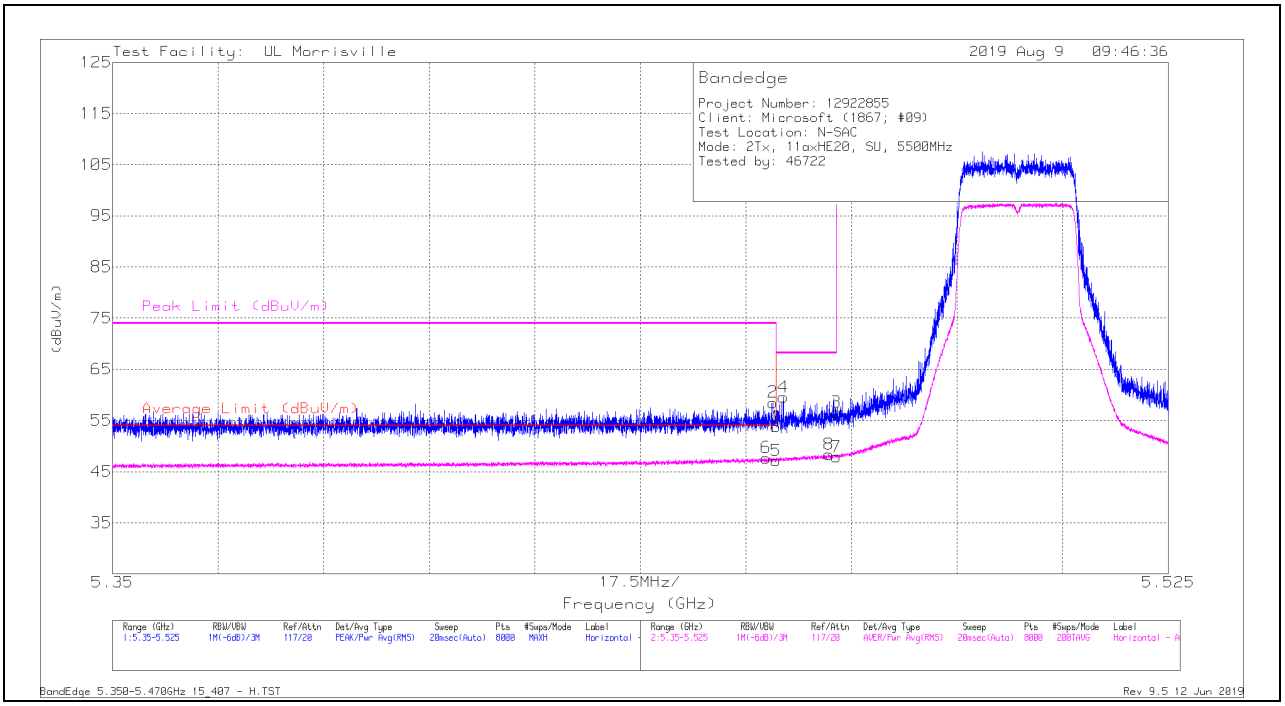
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – SU MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	42.65	Pk	34.5	-23.4	53.75	-	-	74	-20.25	315	377	H
2	* ** 5.45948	47.42	Pk	34.5	-23.4	58.52	-	-	74	-15.48	315	377	H
5	* ** 5.45998	36.06	RMS	34.5	-23.4	47.16	54	-6.84	-	-	315	377	H
6	* ** 5.4583	36.6	RMS	34.5	-23.4	47.7	54	-6.3	-	-	315	377	H
4	5.46118	48.42	Pk	34.5	-23.4	59.52	-	-	68.2	-8.68	315	377	H
8	5.46878	37.35	RMS	34.5	-23.5	48.35	-	-	-	-	315	377	H
3	5.46998	45.58	Pk	34.5	-23.5	56.58	-	-	68.2	-11.62	315	377	H
7	5.46998	36.89	RMS	34.5	-23.5	47.89	-	-	-	-	315	377	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

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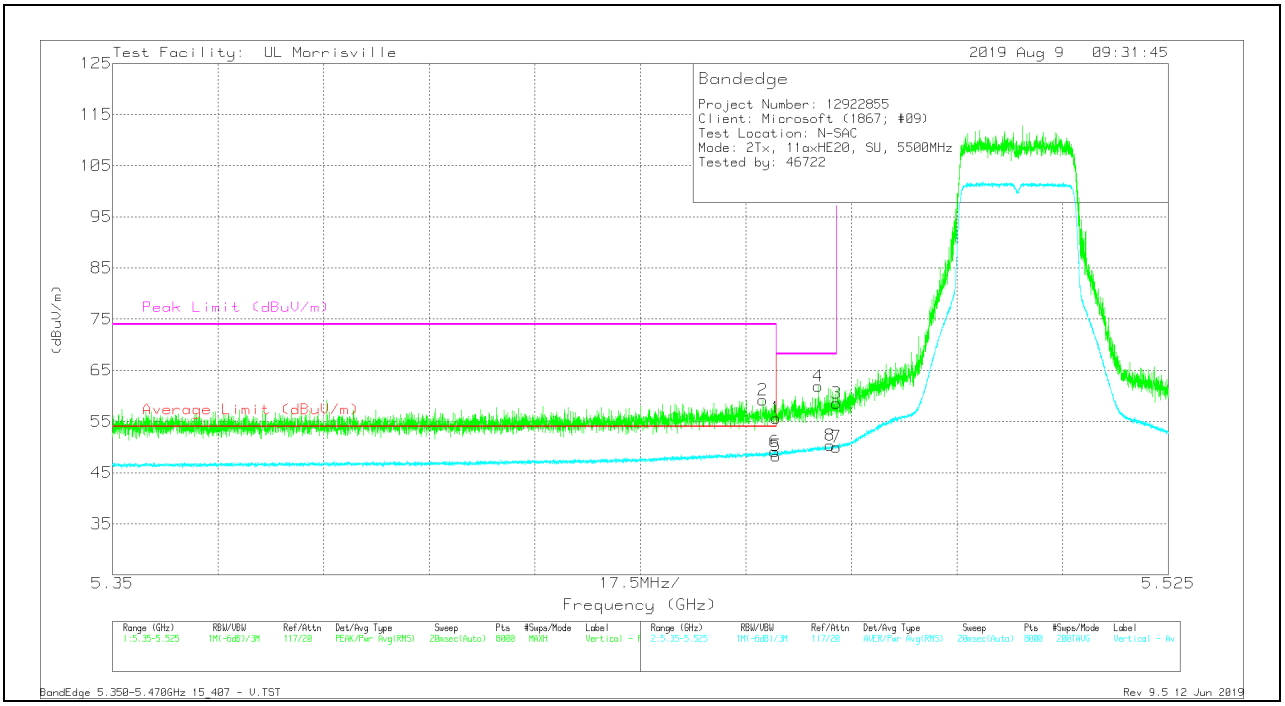
VERTICAL RESULT

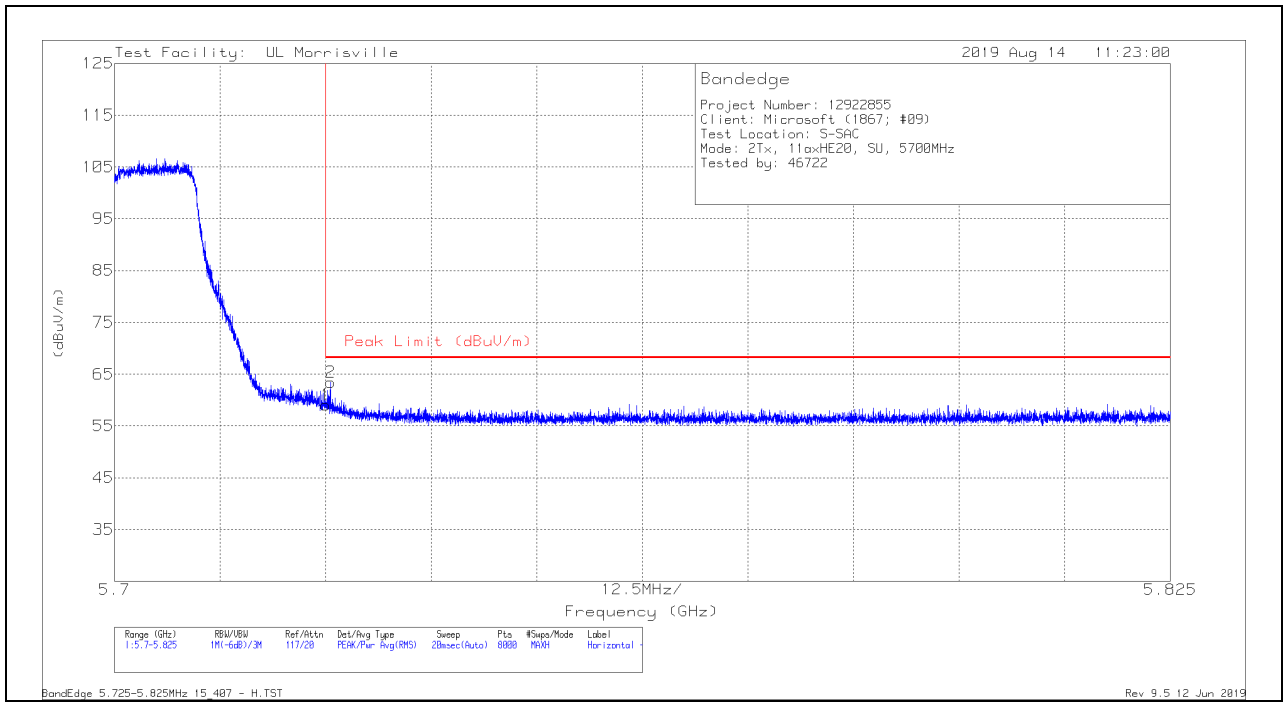


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	44.59	Pk	34.5	-23.4	55.69	-	-	74	-18.31	5	275	V
2	* ** 5.45777	48.11	Pk	34.5	-23.4	59.21	-	-	74	-14.79	5	275	V
5	* ** 5.45998	37.2	RMS	34.5	-23.4	48.3	54	-5.7	-	-	5	275	V
6	* ** 5.45976	38.02	RMS	34.5	-23.4	49.12	54	-4.88	-	-	5	275	V
4	5.467	50.9	Pk	34.5	-23.5	61.9	-	-	68.2	-6.3	5	275	V
8	5.46895	39.37	RMS	34.5	-23.5	50.37	-	-	-	-	5	275	V
3	5.46998	47.54	Pk	34.5	-23.5	58.54	-	-	68.2	-9.66	5	275	V
7	5.46998	39.01	RMS	34.5	-23.5	50.01	-	-	-	-	5	275	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

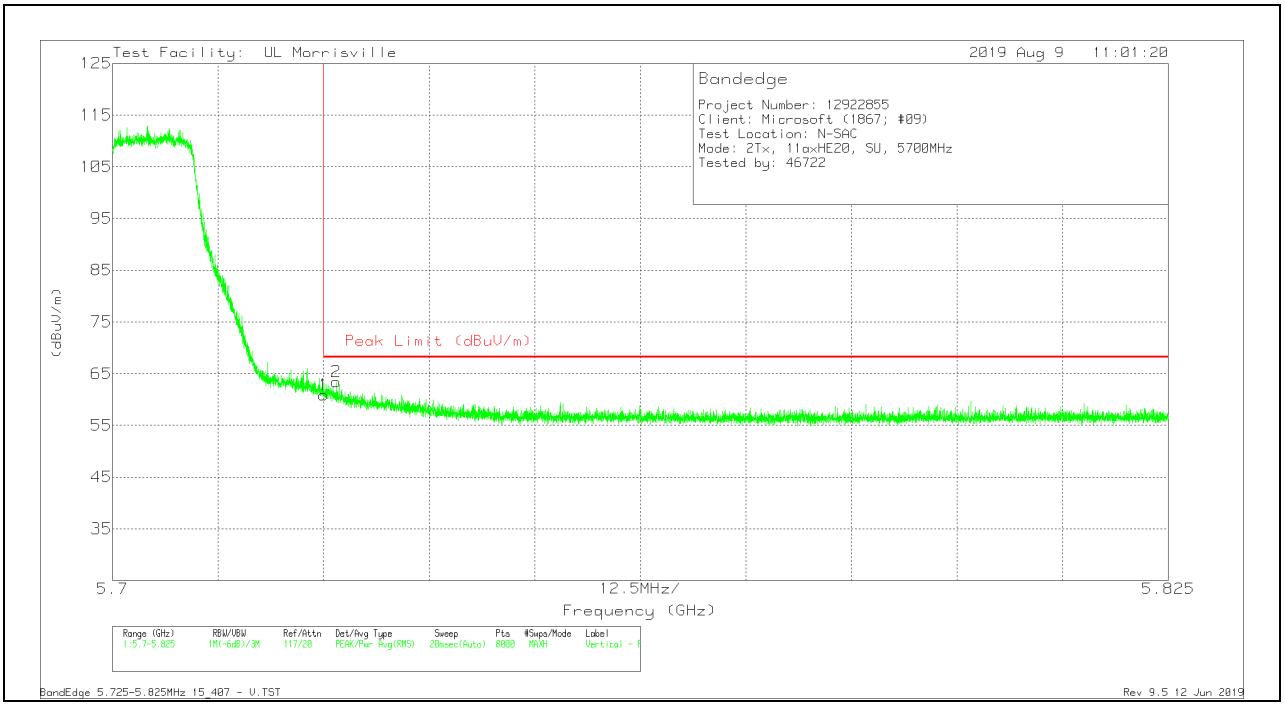
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	47.68	Pk	34.7	-23.3	59.08	68.2	-9.12	7	396	H
2	5.72557	52.02	Pk	34.7	-23.3	63.42	68.2	-4.78	7	396	H

Pk - Peak detector

VERTICAL RESULT



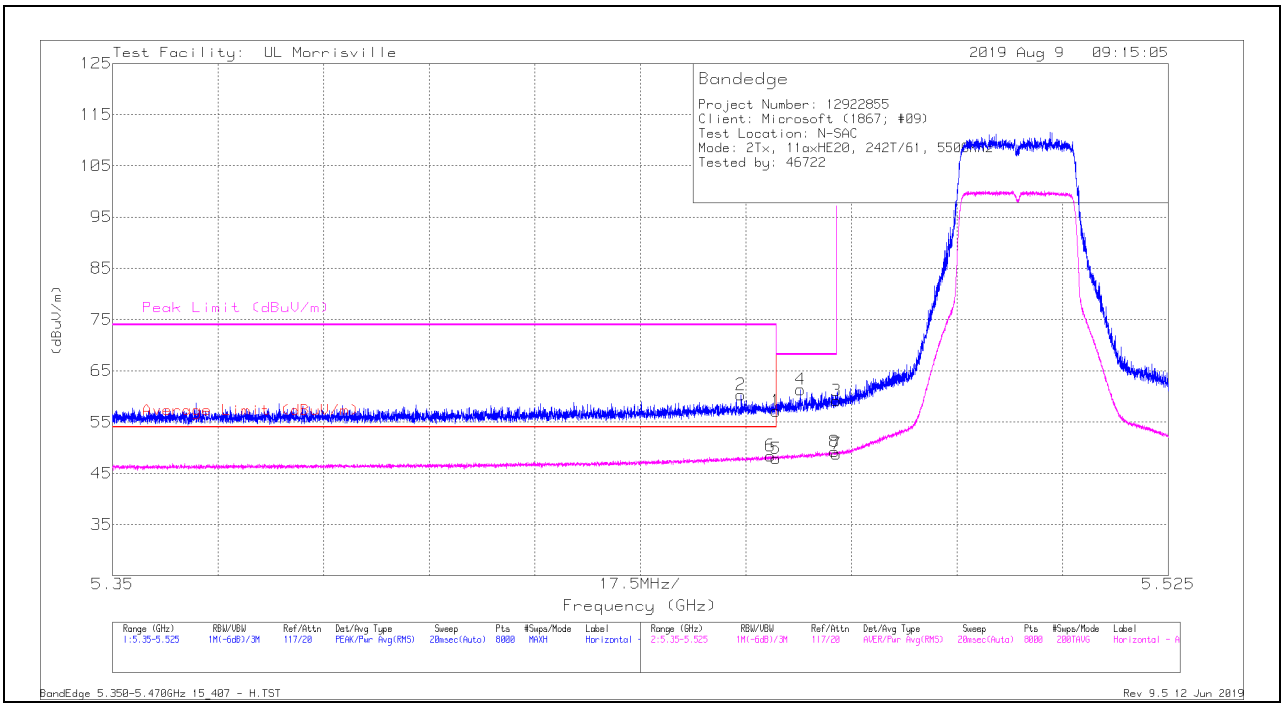
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	49.48	Pk	34.7	-23.3	60.88	68.2	-7.32	343	216	V
2	5.72649	52.05	Pk	34.7	-23.3	63.45	68.2	-4.75	343	216	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

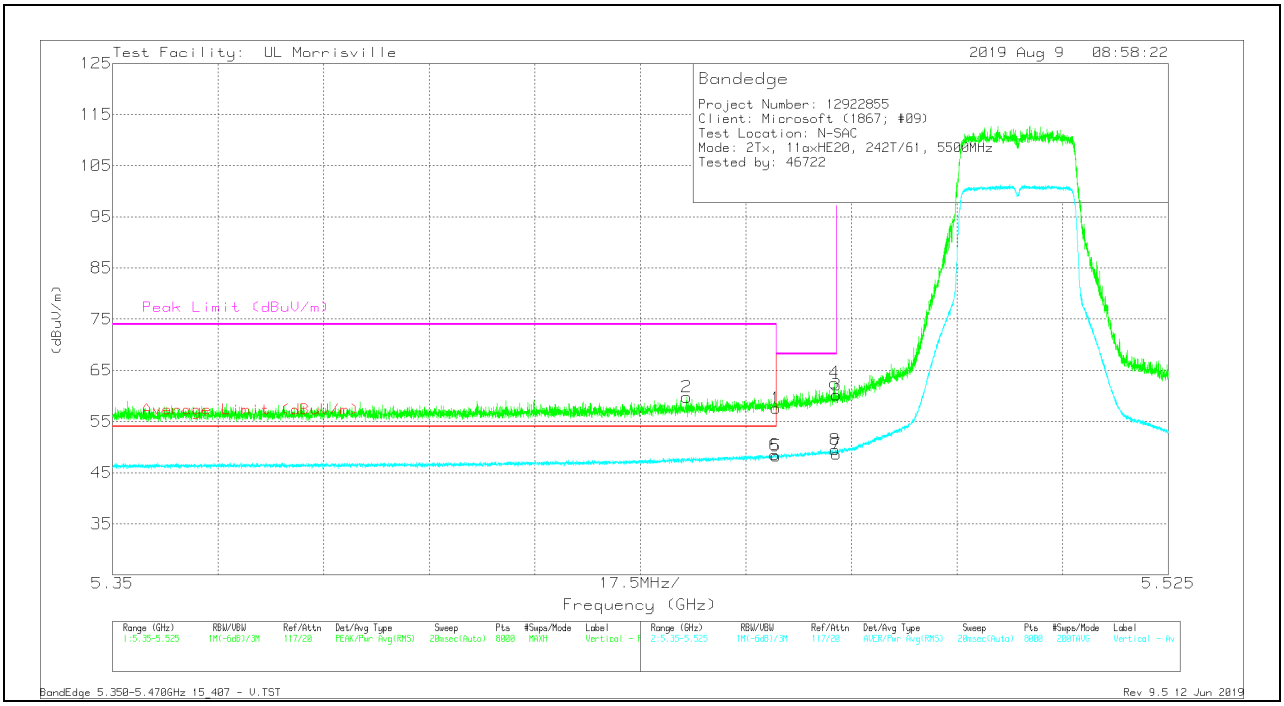
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.07	Pk	34.5	-23.4	57.17	-	-	74	-16.83	24	371	H
2	* ** 5.45416	49.13	Pk	34.5	-23.3	60.33	-	-	74	-13.67	24	371	H
5	* ** 5.45998	36.75	RMS	34.5	-23.4	47.85	54	-6.15	-	-	24	371	H
6	* ** 5.45902	37.33	RMS	34.5	-23.4	48.43	54	-5.57	-	-	24	371	H
4	5.46401	50.25	Pk	34.5	-23.4	61.35	-	-	68.2	-6.85	24	371	H
8	5.4697	38.23	RMS	34.5	-23.5	49.23	-	-	-	-	24	371	H
3	5.46998	48.19	Pk	34.5	-23.5	59.19	-	-	68.2	-9.01	24	371	H
7	5.46998	37.8	RMS	34.5	-23.5	48.8	-	-	-	-	24	371	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

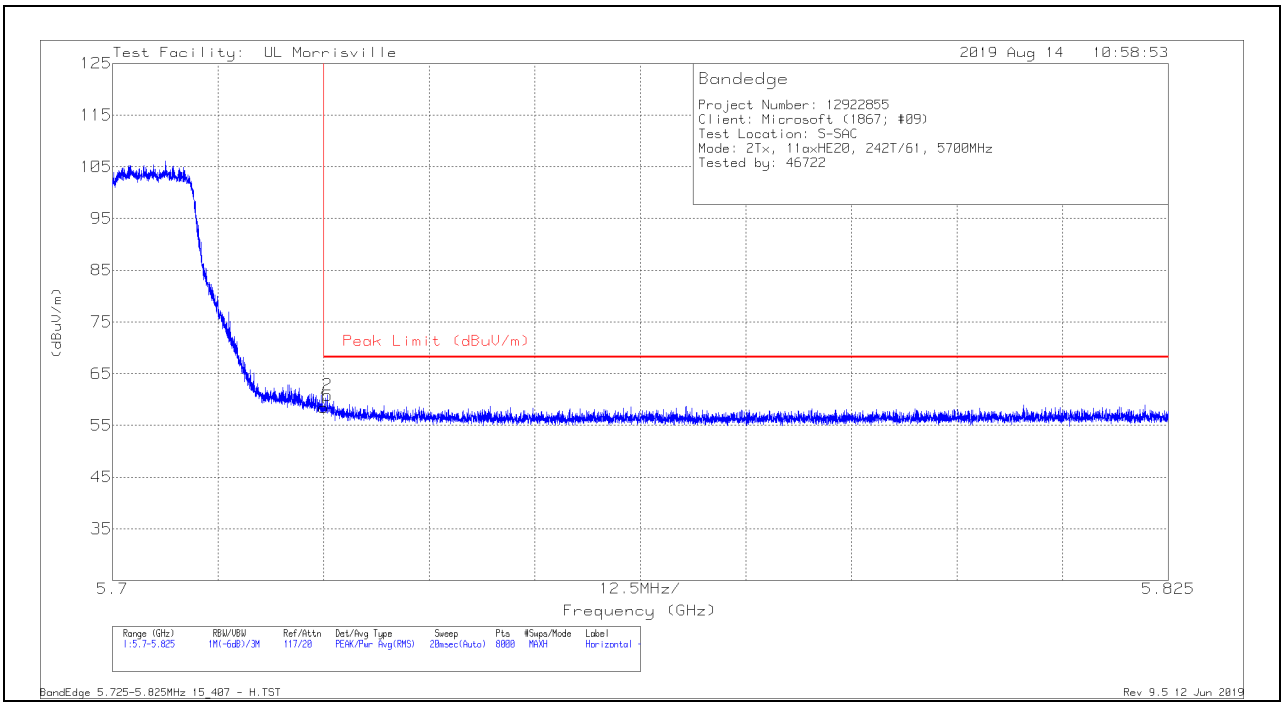


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.47	Pk	34.5	-23.4	57.57	-	-	74	-16.43	351	290	V
2	* ** 5.44515	48.66	Pk	34.5	-23.4	59.76	-	-	74	-14.24	351	290	V
5	* ** 5.45998	37.17	RMS	34.5	-23.4	48.27	54	-5.73	-	-	351	290	V
6	* ** 5.45976	37.37	RMS	34.5	-23.4	48.47	54	-5.53	-	-	351	290	V
4	5.46972	51.55	Pk	34.5	-23.5	62.55	-	-	68.2	-5.65	351	290	V
8	5.46978	38.49	RMS	34.5	-23.5	49.49	-	-	-	-	351	290	V
3	5.46998	49.19	Pk	34.5	-23.5	60.19	-	-	68.2	-8.01	351	290	V
7	5.46998	37.64	RMS	34.5	-23.5	48.64	-	-	-	-	351	290	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

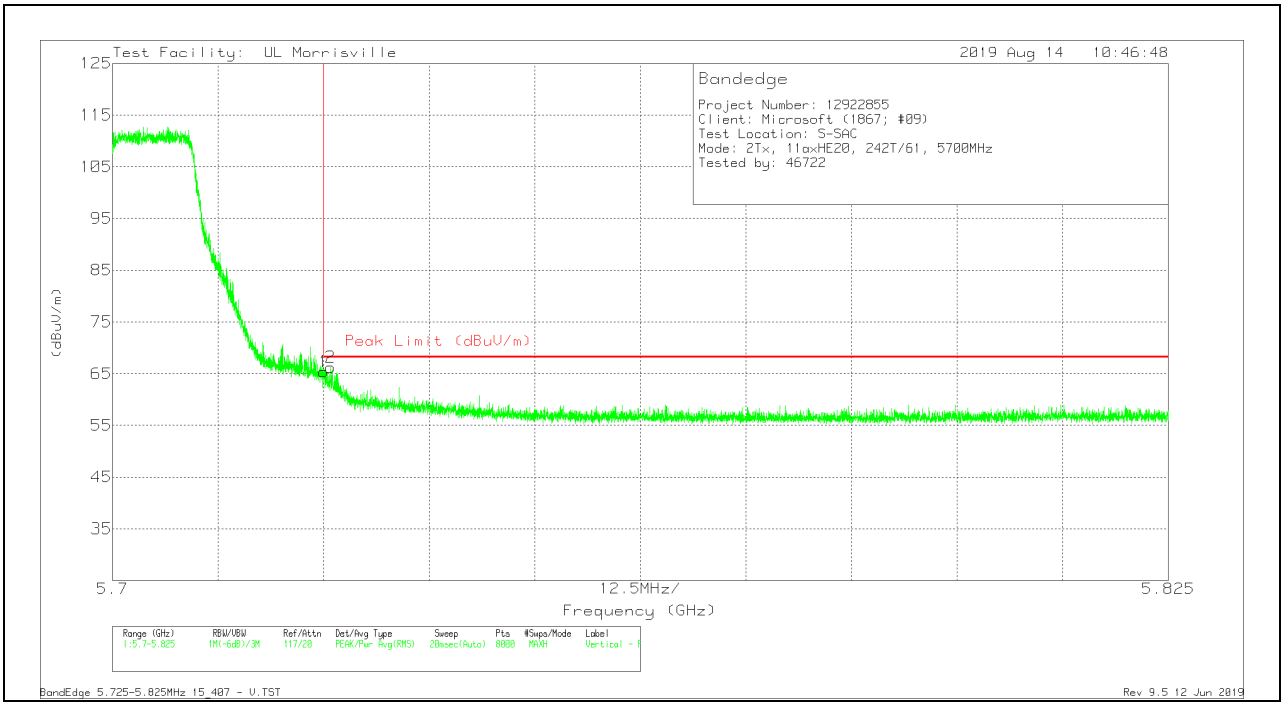
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	47.03	Pk	34.7	-23.3	58.43	68.2	-9.77	19	347	H
2	5.72541	49.43	Pk	34.7	-23.3	60.83	68.2	-7.37	19	347	H

Pk - Peak detector

VERTICAL RESULT



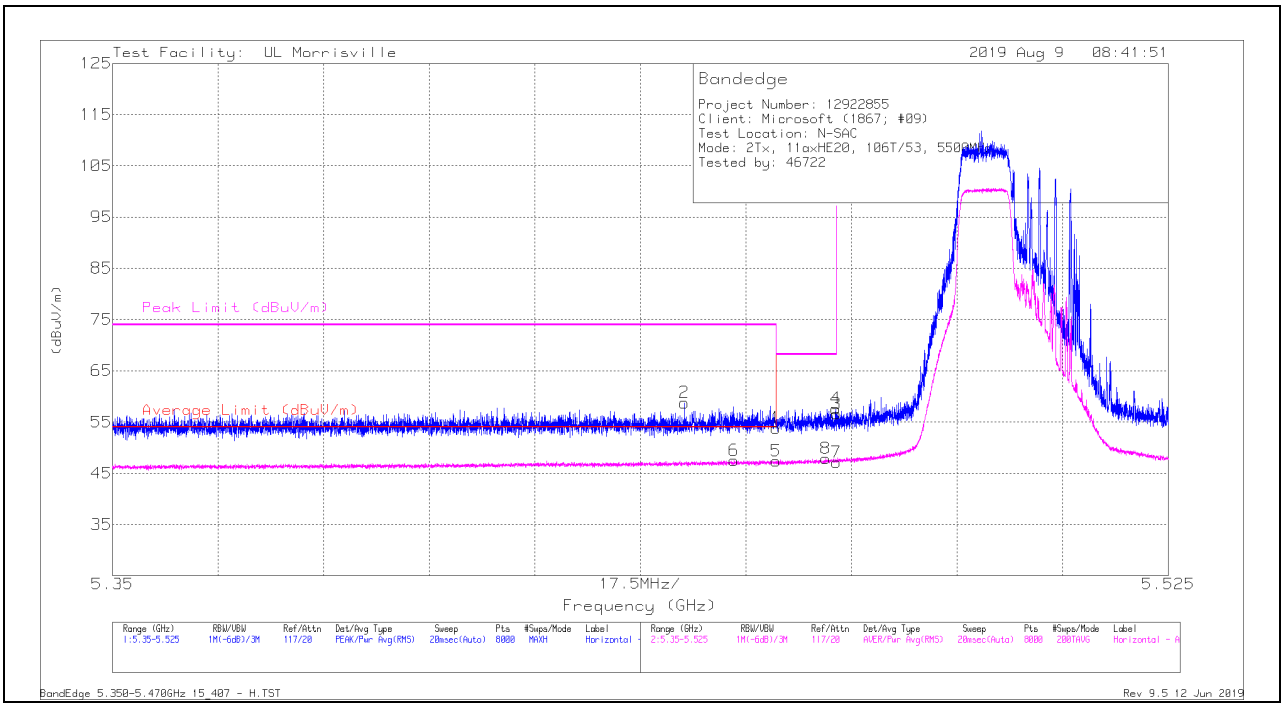
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	53.95	Pk	34.7	-23.3	65.35	68.2	-2.85	81	212	V
2	5.72582	54.79	Pk	34.7	-23.3	66.19	68.2	-2.01	81	212	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 53

BANDEDGE (LOW CHANNEL)

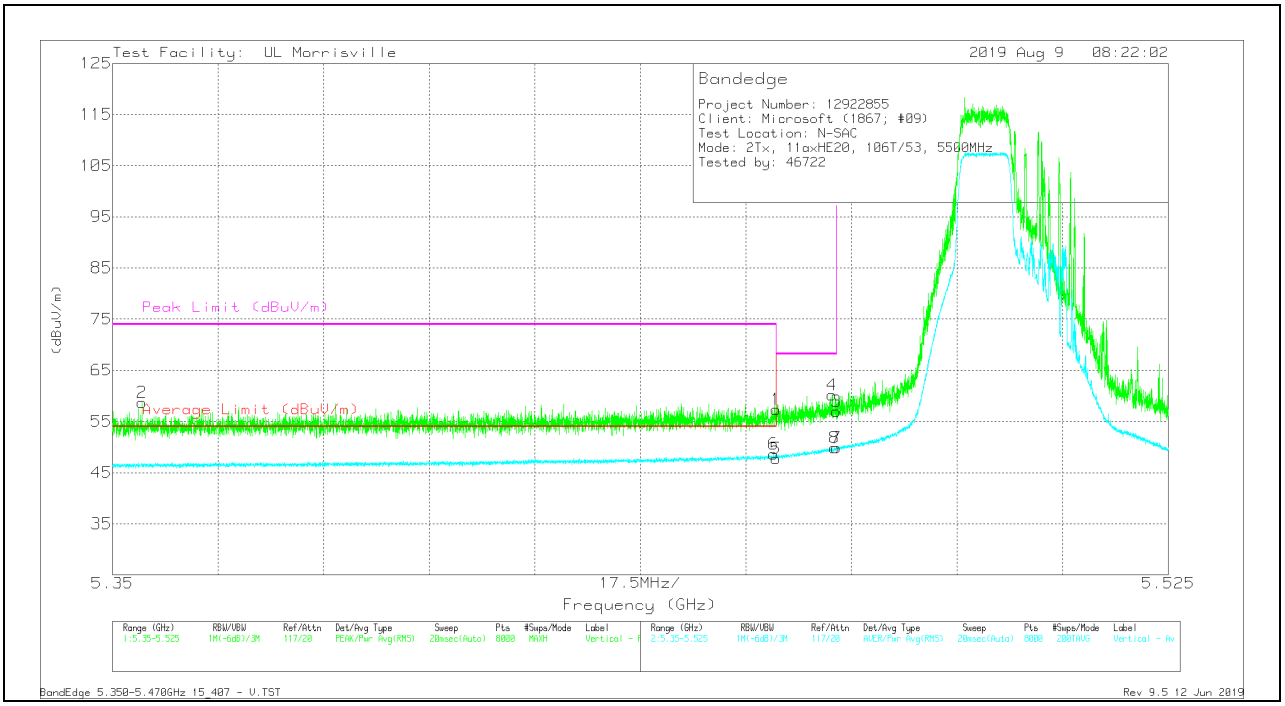
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	42.73	Pk	34.5	-23.4	53.83	-	-	74	-20.17	56	330	H
2	* ** 5.44478	47.67	Pk	34.5	-23.4	58.77	-	-	74	-15.23	56	330	H
5	* ** 5.45998	36.27	RMS	34.5	-23.4	47.37	54	-6.63	-	-	56	330	H
6	* ** 5.45298	36.29	RMS	34.5	-23.3	47.49	54	-6.51	-	-	56	330	H
8	5.46821	36.85	RMS	34.5	-23.5	47.85	-	-	-	-	56	330	H
4	5.46989	46.63	Pk	34.5	-23.5	57.63	-	-	68.2	-10.57	56	330	H
3	5.46998	45.57	Pk	34.5	-23.5	56.57	-	-	68.2	-11.63	56	330	H
7	5.46998	36.16	RMS	34.5	-23.5	47.16	-	-	-	-	56	330	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



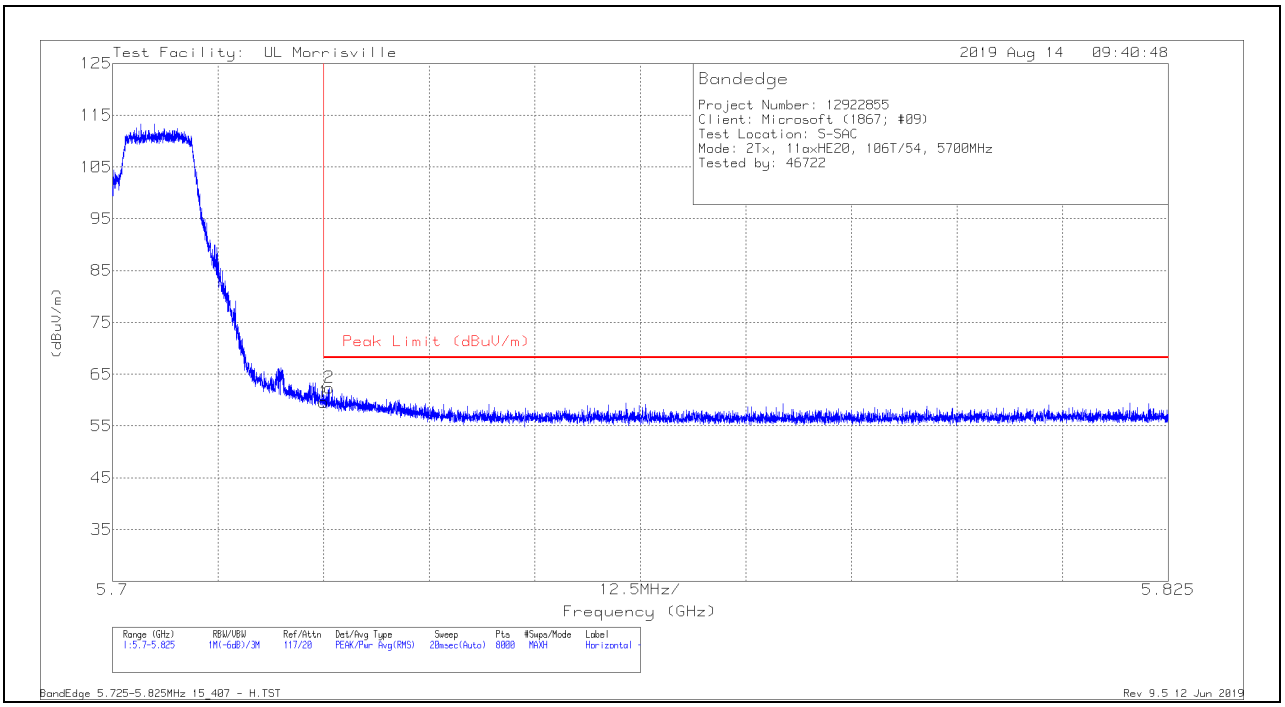
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.21	Pk	34.5	-23.4	57.31	-	-	74	-16.69	10	287	V
2	* ** 5.35486	47.52	Pk	34.4	-23.2	58.72	-	-	74	-15.28	10	287	V
5	* ** 5.45998	36.65	RMS	34.5	-23.4	47.75	54	-6.25	-	-	10	287	V
6	* ** 5.45961	37.55	RMS	34.5	-23.4	48.65	54	-5.35	-	-	10	287	V
4	5.46926	49.16	Pk	34.5	-23.5	60.16	-	-	68.2	-8.04	10	287	V
8	5.46963	38.85	RMS	34.5	-23.5	49.85	-	-	-	-	10	287	V
3	5.46998	45.94	Pk	34.5	-23.5	56.94	-	-	68.2	-11.26	10	287	V
7	5.46998	38.84	RMS	34.5	-23.5	49.84	-	-	-	-	10	287	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 54

BANDEDGE (HIGH CHANNEL)

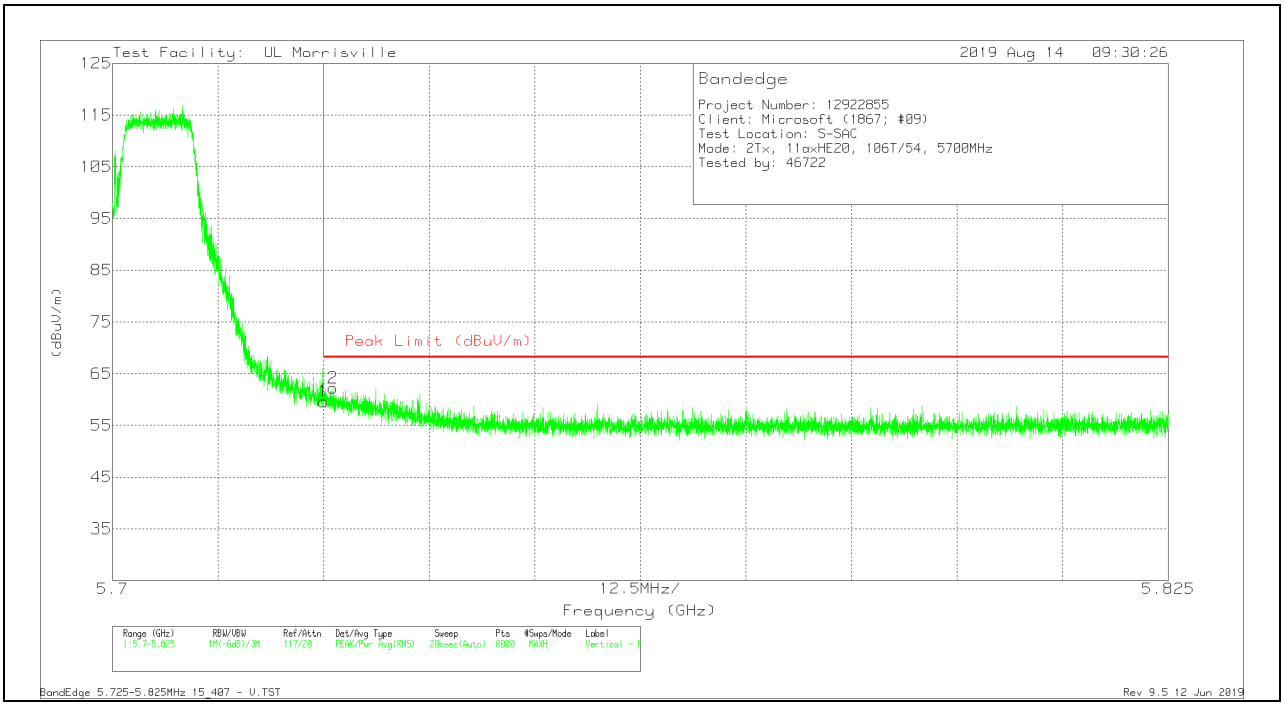
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	48.21	Pk	34.7	-23.3	59.61	68.2	-8.59	322	327	H
2	5.72563	51	Pk	34.7	-23.3	62.4	68.2	-5.8	322	327	H

Pk - Peak detector

VERTICAL RESULT



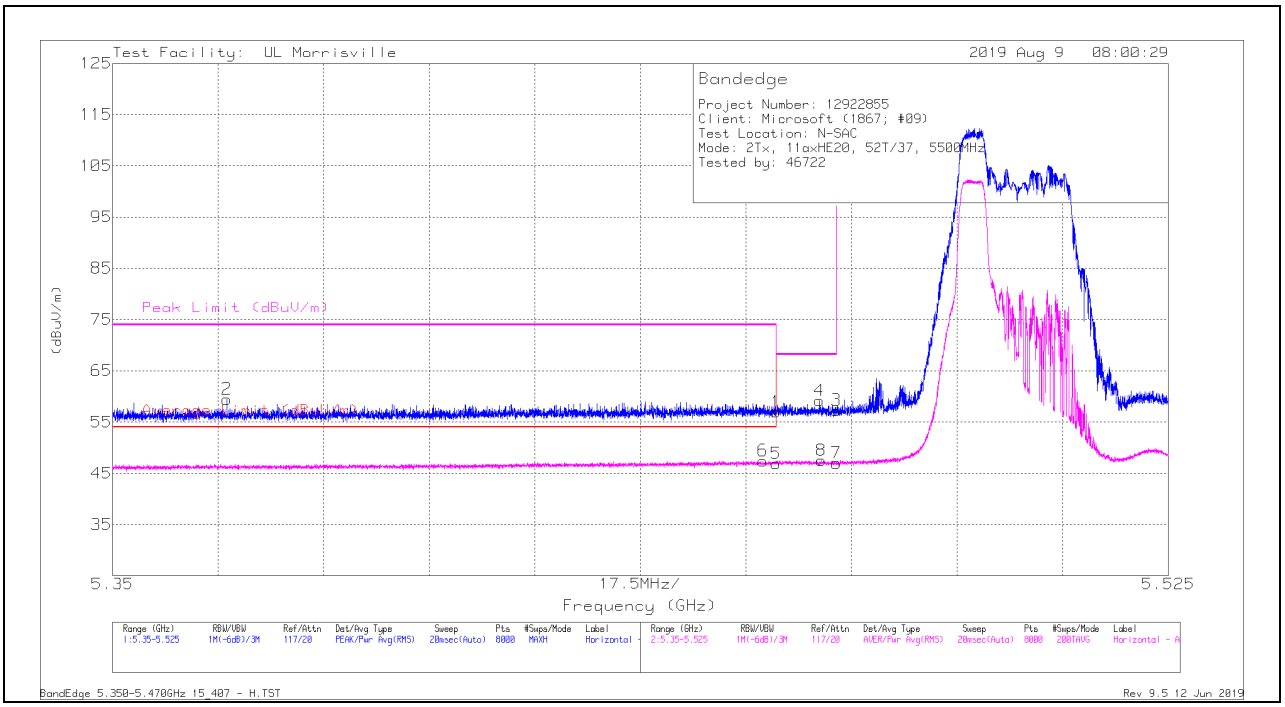
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	48.21	Pk	34.7	-23.3	59.61	68.2	-8.59	350	226	V
2	5.7261	50.79	Pk	34.7	-23.3	62.19	68.2	-6.01	350	226	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 37

BANDEDGE (LOW CHANNEL)

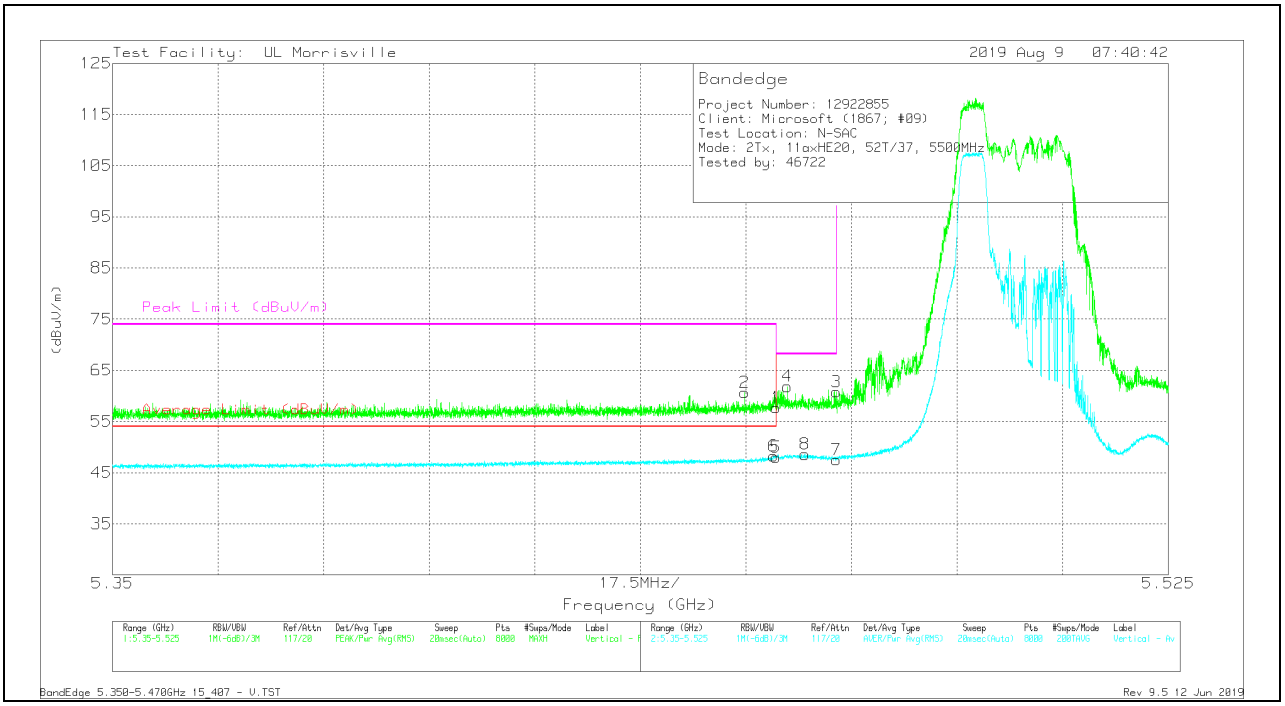
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.91	Pk	34.5	-23.4	57.01	-	-	74	-16.99	327	182	H
2	* ** 5.36892	48.28	Pk	34.4	-23.2	59.48	-	-	74	-14.52	327	182	H
5	* ** 5.45998	35.8	RMS	34.5	-23.4	46.9	54	-7.1	-	-	327	182	H
6	* ** 5.45782	36.35	RMS	34.5	-23.4	47.45	54	-6.55	-	-	327	182	H
4	5.46716	48.2	Pk	34.5	-23.5	59.2	-	-	68.2	-9	327	182	H
8	5.46744	36.49	RMS	34.5	-23.5	47.49	-	-	-	-	327	182	H
3	5.46998	46.28	Pk	34.5	-23.5	57.28	-	-	68.2	-10.92	327	182	H
7	5.46998	35.97	RMS	34.5	-23.5	46.97	-	-	-	-	327	182	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.64	Pk	34.5	-23.4	57.74	-	-	74	-16.26	356	194	V
2	* ** 5.4548	49.55	Pk	34.5	-23.4	60.65	-	-	74	-13.35	356	194	V
5	* ** 5.45998	36.91	RMS	34.5	-23.4	48.01	54	-5.99	-	-	356	194	V
6	* ** 5.45957	37.16	RMS	34.5	-23.4	48.26	54	-5.74	-	-	356	194	V
4	5.46186	50.74	Pk	34.5	-23.4	61.84	-	-	68.2	-6.36	356	194	V
8	5.46475	37.48	RMS	34.5	-23.4	48.58	-	-	-	-	356	194	V
3	5.46998	49.8	Pk	34.5	-23.5	60.8	-	-	68.2	-7.4	356	194	V
7	5.46998	36.51	RMS	34.5	-23.5	47.51	-	-	-	-	356	194	V

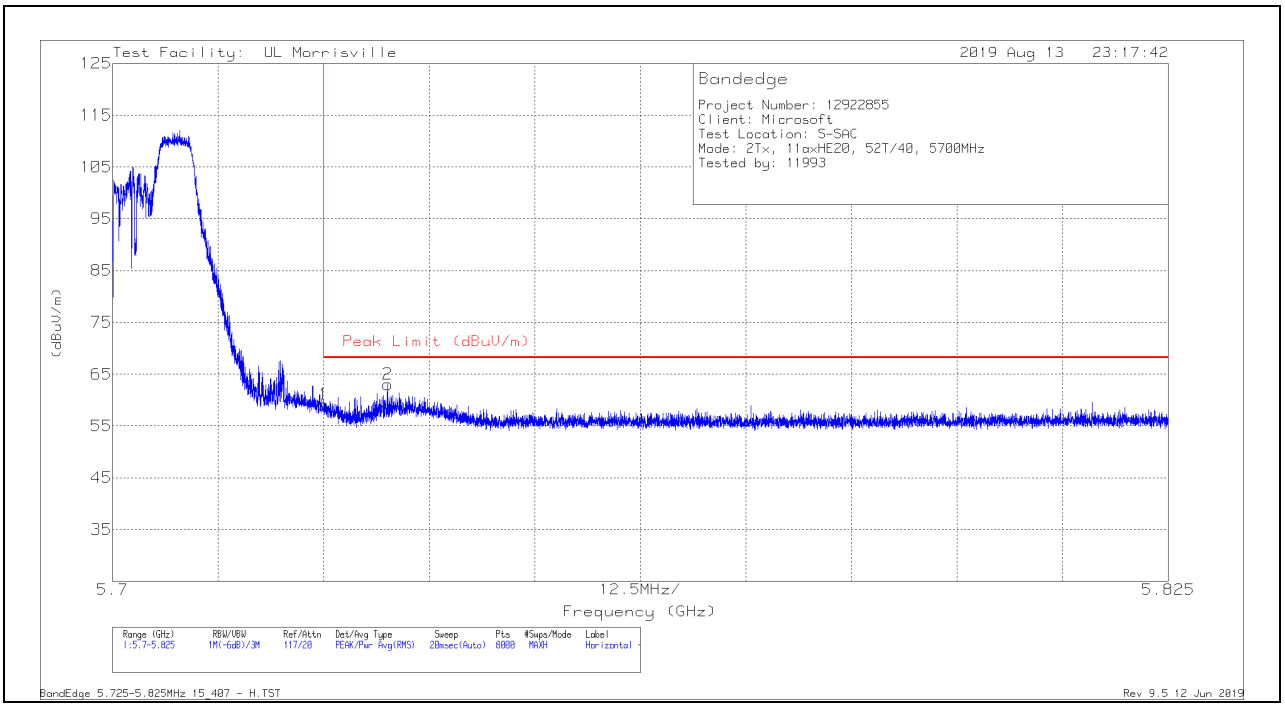
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

UL LLC
12 Laboratory Dr., RTP, NC 27709; USA TEL:(919) 549-1400

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 40

BANDEDGE (HIGH CHANNEL)

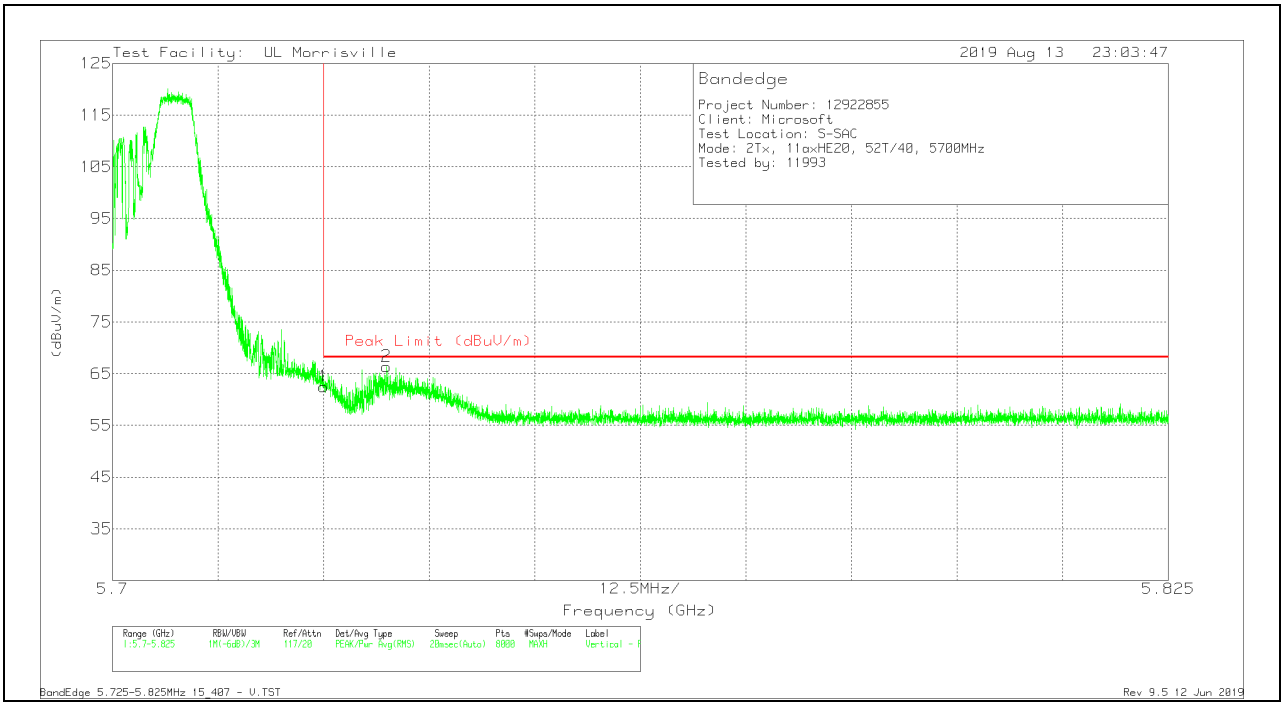
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	47.72	Pk	34.7	-23.3	59.12	68.2	-9.08	47	354	H
2	5.73255	51.62	Pk	34.7	-23.3	63.02	68.2	-5.18	47	354	H

Pk - Peak detector

VERTICAL RESULT



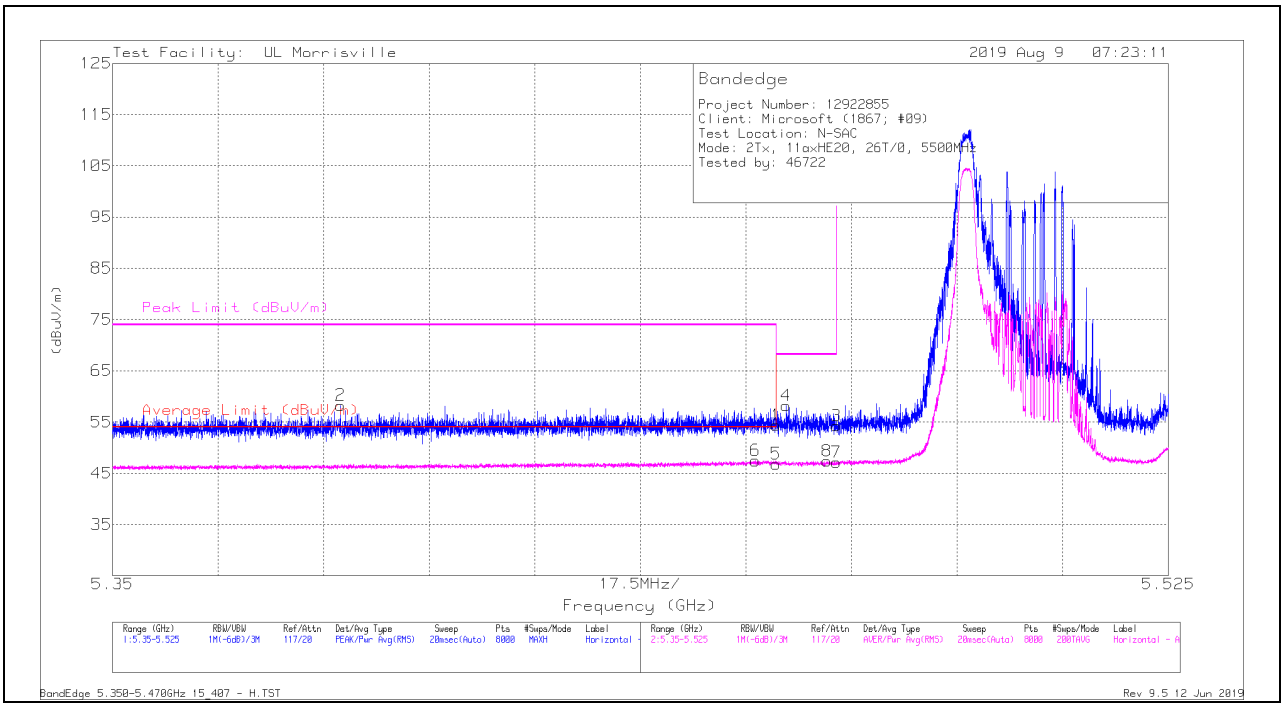
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	51.12	Pk	34.7	-23.3	62.52	68.2	-5.68	343	225	V
2	5.73246	55	Pk	34.7	-23.3	66.4	68.2	-1.8	343	225	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

BANDEDGE (LOW CHANNEL)

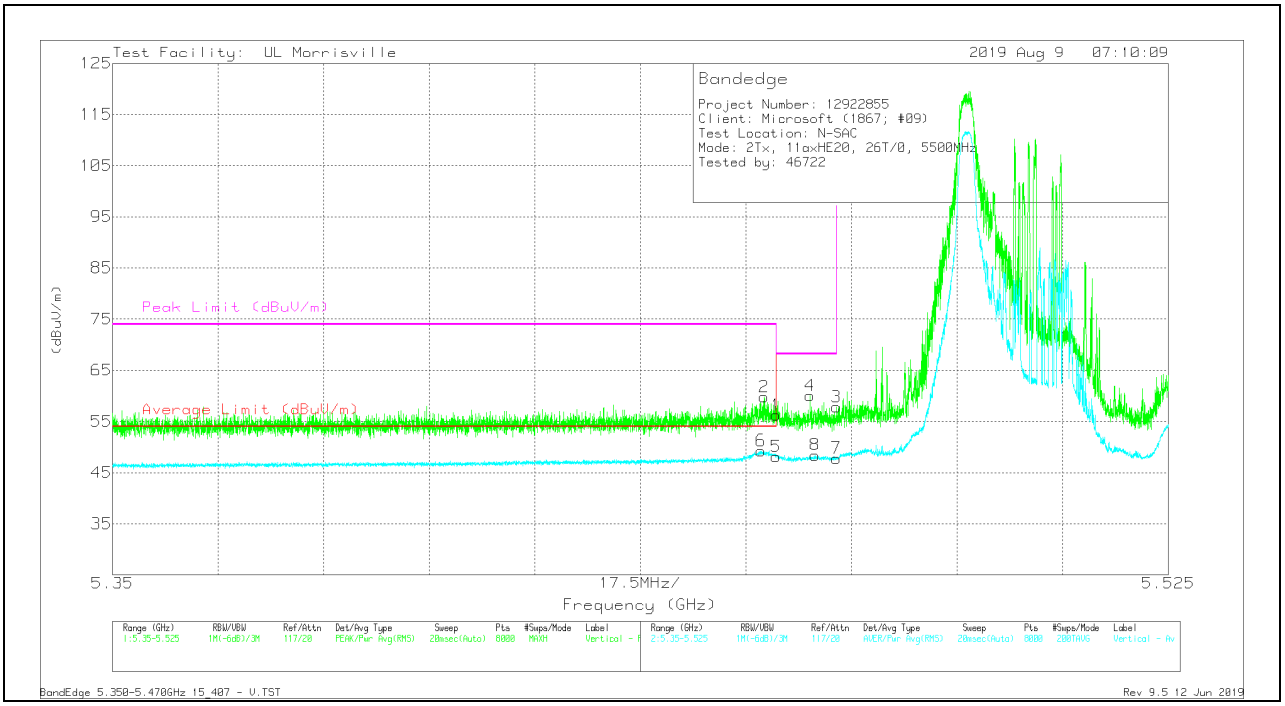
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	43.28	Pk	34.5	-23.4	54.38	-	-	74	-19.62	329	194	H
2	* ** 5.38778	47.16	Pk	34.4	-23.3	58.26	-	-	74	-15.74	329	194	H
5	* ** 5.45998	35.72	RMS	34.5	-23.4	46.82	54	-7.18	-	-	329	194	H
6	* ** 5.45659	36.37	RMS	34.5	-23.4	47.47	54	-6.53	-	-	329	194	H
4	5.46169	47.07	Pk	34.5	-23.4	58.17	-	-	68.2	-10.03	329	194	H
8	5.4684	36.41	RMS	34.5	-23.5	47.41	-	-	-	-	329	194	H
3	5.46998	43.25	Pk	34.5	-23.5	54.25	-	-	68.2	-13.95	329	194	H
7	5.46998	36.17	RMS	34.5	-23.5	47.17	-	-	-	-	329	194	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



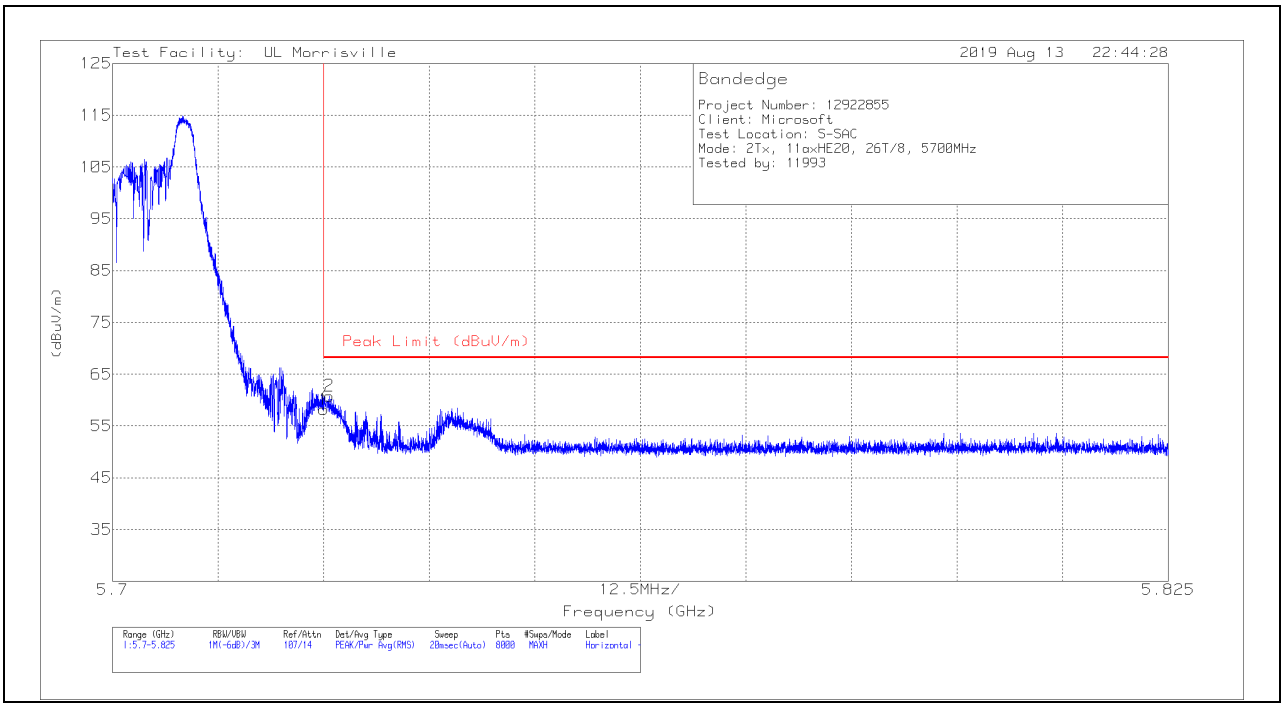
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.17	Pk	34.5	-23.4	56.27	-	-	74	-17.73	5	216	V
2	* ** 5.45803	48.71	Pk	34.5	-23.4	59.81	-	-	74	-14.19	5	216	V
5	* ** 5.45998	37	RMS	34.5	-23.4	48.1	54	-5.9	-	-	5	216	V
6	* ** 5.45751	38.17	RMS	34.5	-23.4	49.27	54	-4.73	-	-	5	216	V
4	5.4656	49.06	Pk	34.5	-23.5	60.06	-	-	68.2	-8.14	5	216	V
8	5.46648	37.44	RMS	34.5	-23.5	48.44	-	-	-	-	5	216	V
3	5.46998	46.82	Pk	34.5	-23.5	57.82	-	-	68.2	-10.38	5	216	V
7	5.46998	36.81	RMS	34.5	-23.5	47.81	-	-	-	-	5	216	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 8

BANDEDGE (HIGH CHANNEL)

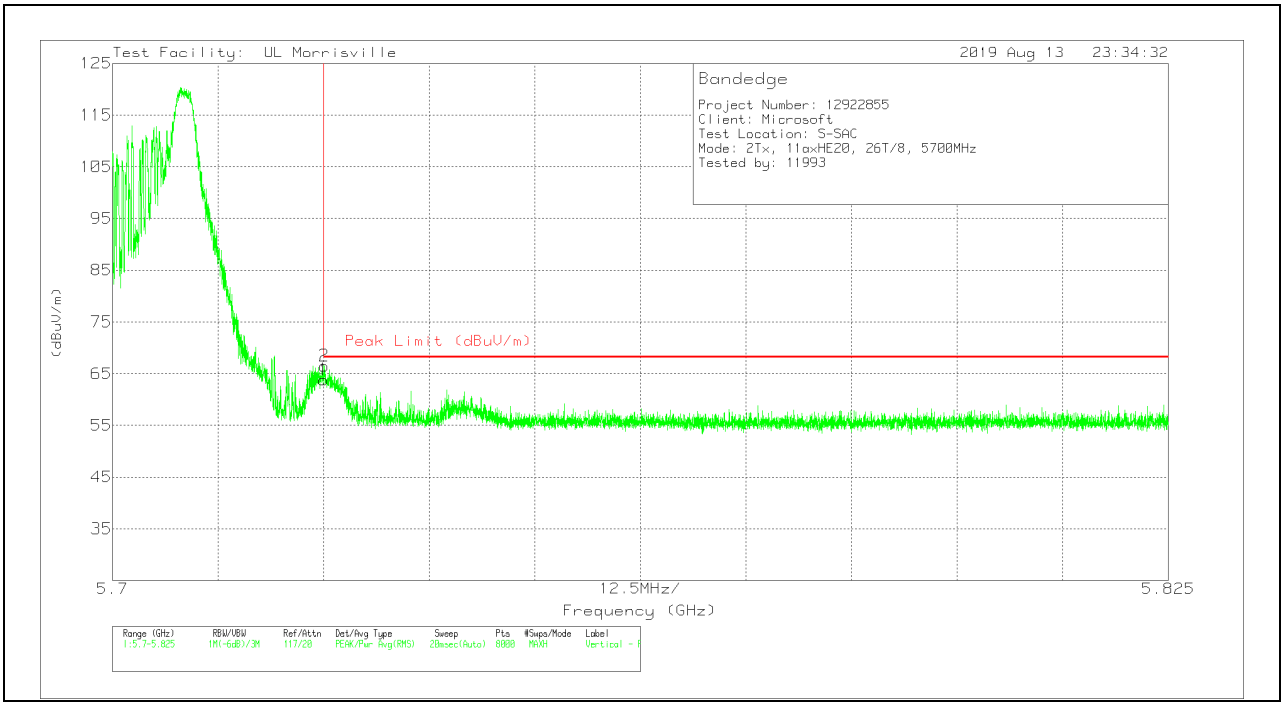
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	46.82	Pk	34.7	-23.3	58.22	68.2	-9.98	52	385	H
2	5.72568	49.4	Pk	34.7	-23.3	60.8	68.2	-7.4	52	385	H

Pk - Peak detector

VERTICAL RESULT



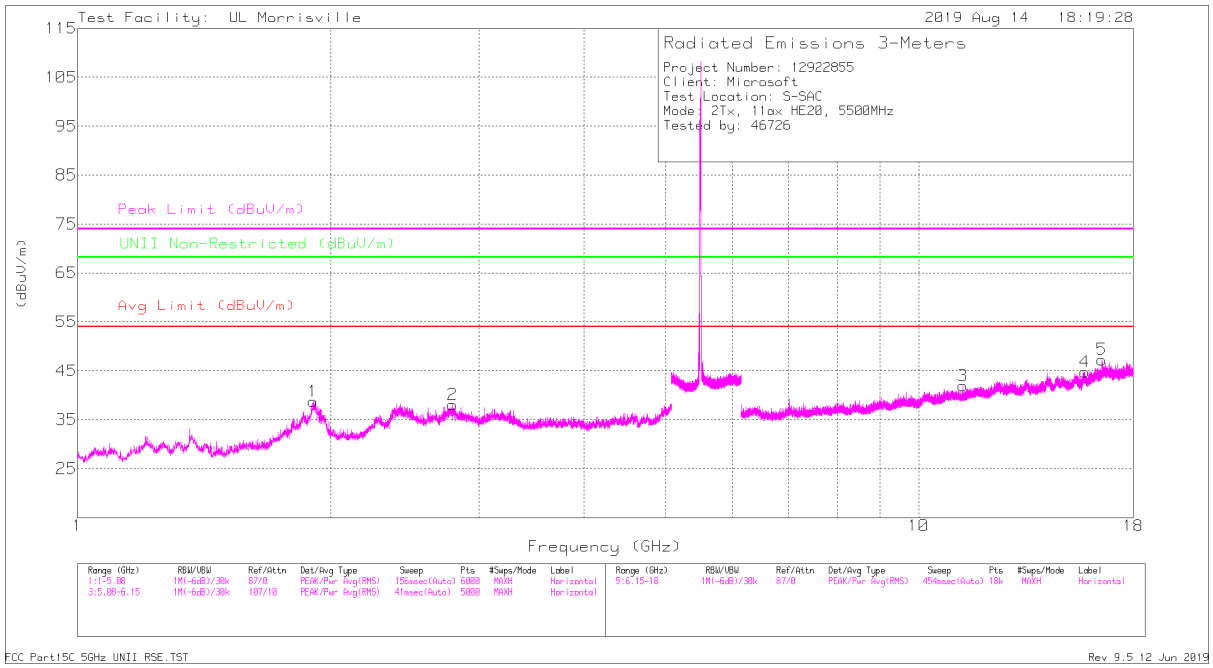
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	52.43	Pk	34.7	-23.3	63.83	68.2	-4.37	15	237	V
2	5.72508	55.12	Pk	34.7	-23.3	66.52	68.2	-1.68	15	237	V

Pk - Peak detector

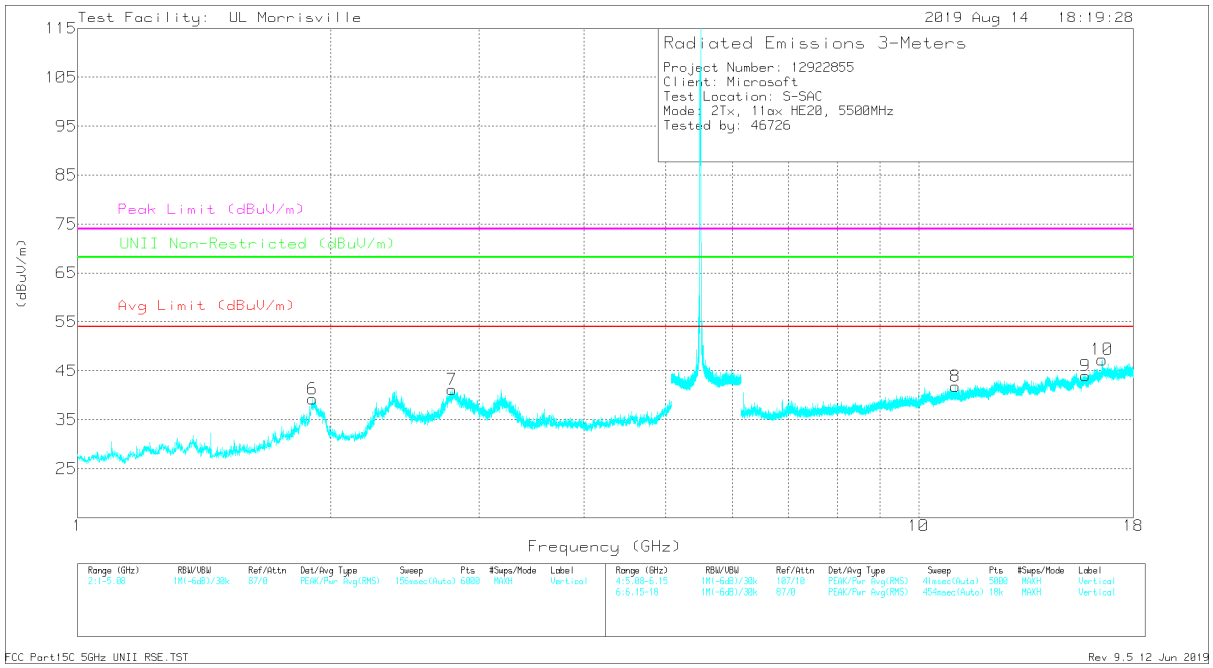
2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 8

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 1.91155	50.74	PK-U	31.1	-34.2	47.64	-	-	-	-	68.2	-20.56	335	150	H
	** 1.91136	38.46	ADR	31.1	-34.2	35.36	-	-	-	-	-	-	335	150	H
2	* ** 2.81235	47.57	PK-U	32.1	-33.5	46.17	-	-	74	-27.83	-	-	144	147	H
	* ** 2.81253	35.51	ADR	32.1	-33.5	34.11	54	-19.89	-	-	-	-	144	147	H
6	** 1.90819	50.14	PK-U	31.1	-34.1	47.14	-	-	-	-	68.2	-21.06	95	231	V
	** 1.90815	37.82	ADR	31.1	-34.1	34.82	-	-	-	-	-	-	95	231	V
7	* ** 2.80539	50.22	PK-U	32.2	-33.5	48.92	-	-	74	-25.08	-	-	102	230	V
	* ** 2.8055	38.89	ADR	32.2	-33.5	37.59	54	-16.41	-	-	-	-	102	230	V
3	* ** 11.3023	34.33	PK-U	38	-24.2	48.13	-	-	74	-25.87	-	-	253	285	H
	* ** 11.30247	21.54	ADR	38	-24.2	35.34	54	-18.66	-	-	-	-	253	285	H
4	* ** 15.78063	34.01	PK-U	40.3	-22.8	51.51	-	-	74	-22.49	-	-	223	284	H
	* ** 15.78047	21.94	ADR	40.3	-22.7	39.54	54	-14.46	-	-	-	-	223	284	H
8	* ** 11.07618	34.24	PK-U	37.9	-24.6	47.54	-	-	74	-26.46	-	-	352	107	V
	* ** 11.07657	22.24	ADR	37.9	-24.6	35.54	54	-18.46	-	-	-	-	352	107	V
9	* ** 15.79378	33.86	PK-U	40.4	-23.1	51.16	-	-	74	-22.84	-	-	40	318	V
	* ** 15.79379	21.73	ADR	40.4	-23.1	39.03	54	-14.97	-	-	-	-	40	318	V
5	16.52496	40.83	PK-U	41.5	-22.9	59.43	-	-	-	-	68.2	-8.77	317	250	H
10	16.52554	43.24	PK-U	41.5	-22.9	61.84	-	-	-	-	68.2	-6.36	22	300	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

UL LLC
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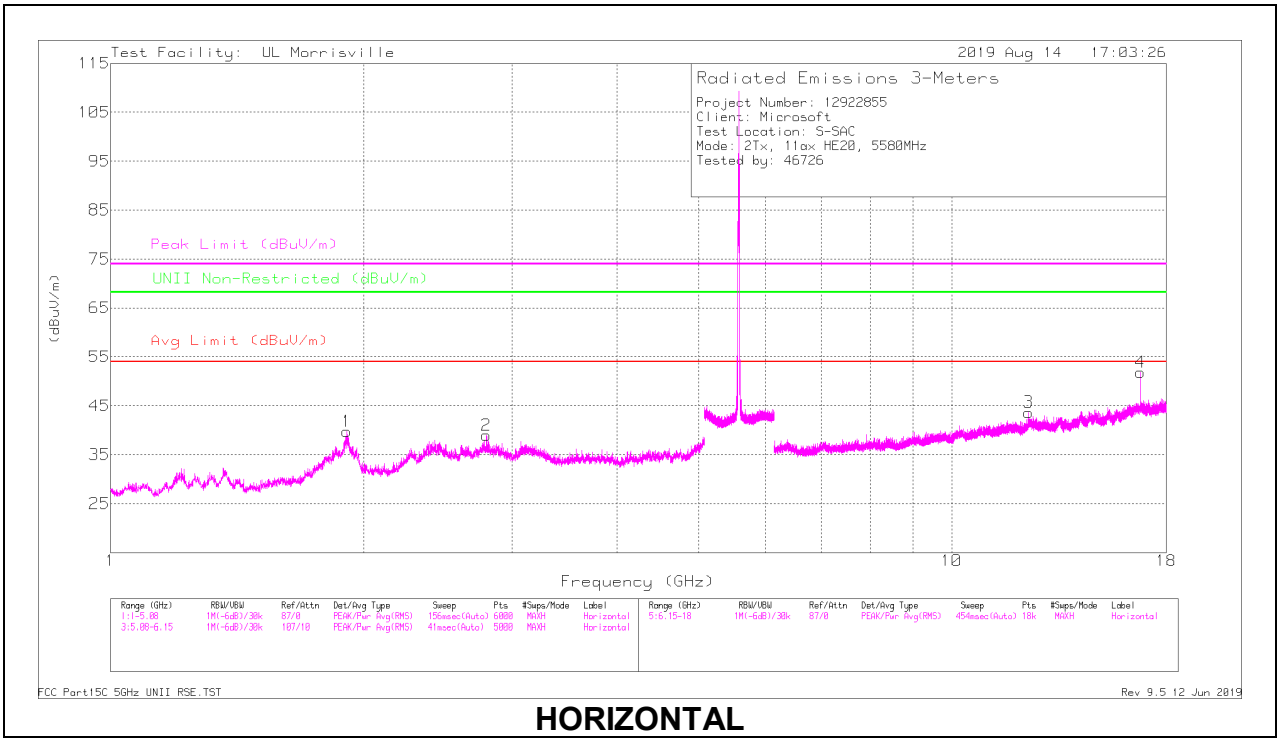
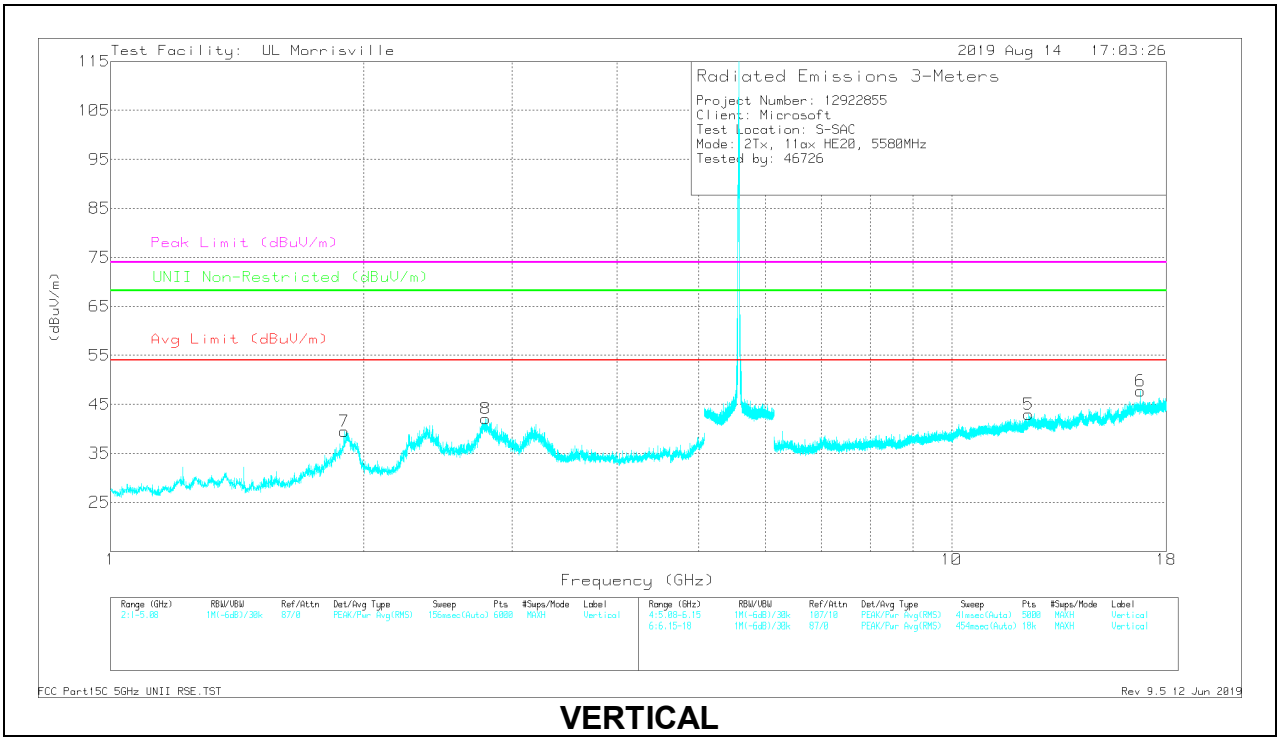
MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 1.91088	51.73	PK-U	31.1	-34.2	48.63	-	-	-	-	68.2	-19.57	329	125	H
	** 1.91082	38.58	ADR	31.1	-34.2	35.48	-	-	-	-	-	-	329	125	H
2	* ** 2.81376	46.68	PK-U	32.1	-33.6	45.18	-	-	74	-28.82	-	-	139	113	H
	* ** 2.8135	34.54	ADR	32.1	-33.5	33.14	54	-20.86	-	-	-	-	139	113	H
7	** 1.91193	50.56	PK-U	31.1	-34.2	47.46	-	-	-	-	68.2	-20.74	98	193	V
	** 1.91238	38.75	ADR	31.1	-34.2	35.65	-	-	-	-	-	-	98	193	V
8	* ** 2.80953	50.17	PK-U	32.1	-33.5	48.77	-	-	74	-25.23	-	-	105	234	V
	* ** 2.80956	38.52	ADR	32.1	-33.5	37.12	54	-16.88	-	-	-	-	105	234	V
3	* ** 12.36122	34.06	PK-U	38.8	-23.8	49.06	-	-	74	-24.94	-	-	49	124	H
	* ** 12.36134	22.01	ADR	38.8	-23.8	37.01	54	-16.99	-	-	-	-	49	124	H
5	* ** 12.35261	34.45	PK-U	38.8	-23.8	49.45	-	-	74	-24.55	-	-	261	157	V
	* ** 12.35269	22.12	ADR	38.8	-23.8	37.12	54	-16.88	-	-	-	-	261	157	V
6	16.76511	43.48	PK-U	41.9	-23.9	61.48	-	-	-	-	68.2	-6.72	42	345	V
4	16.76574	44.2	PK-U	41.9	-23.9	62.2	-	-	-	-	68.2	-6	8	236	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

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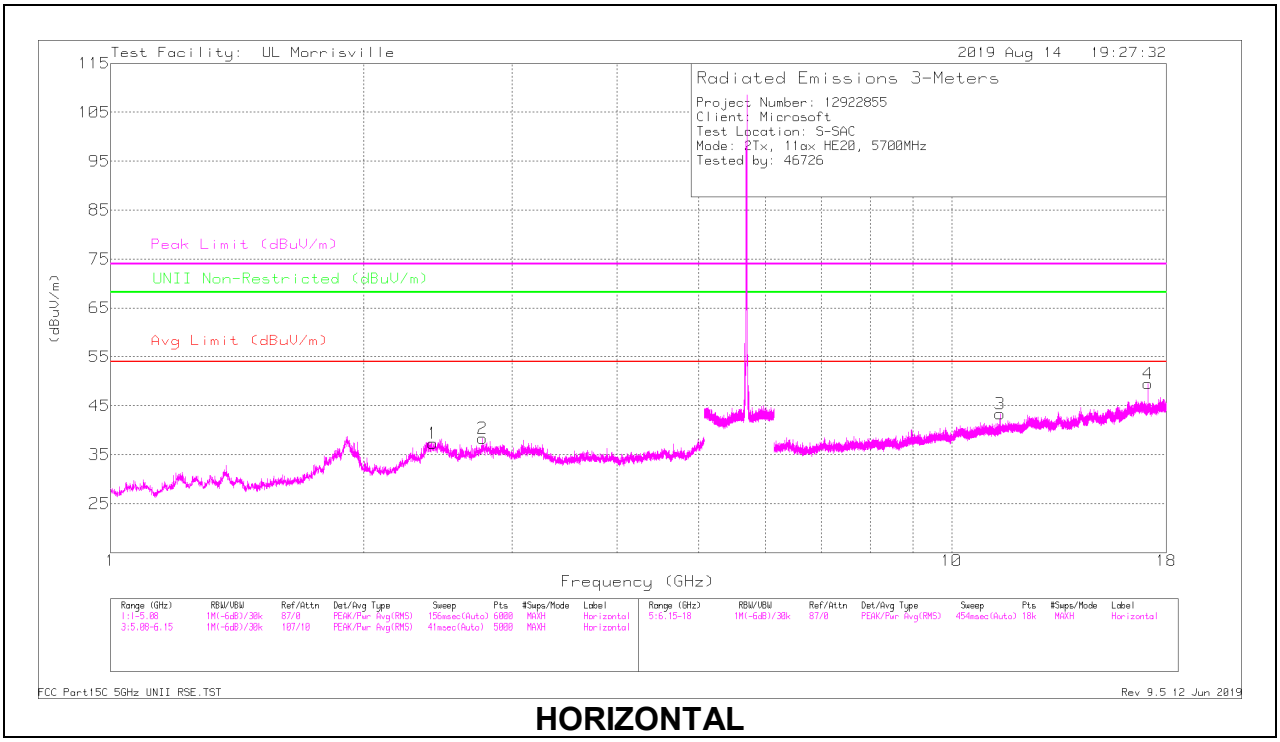
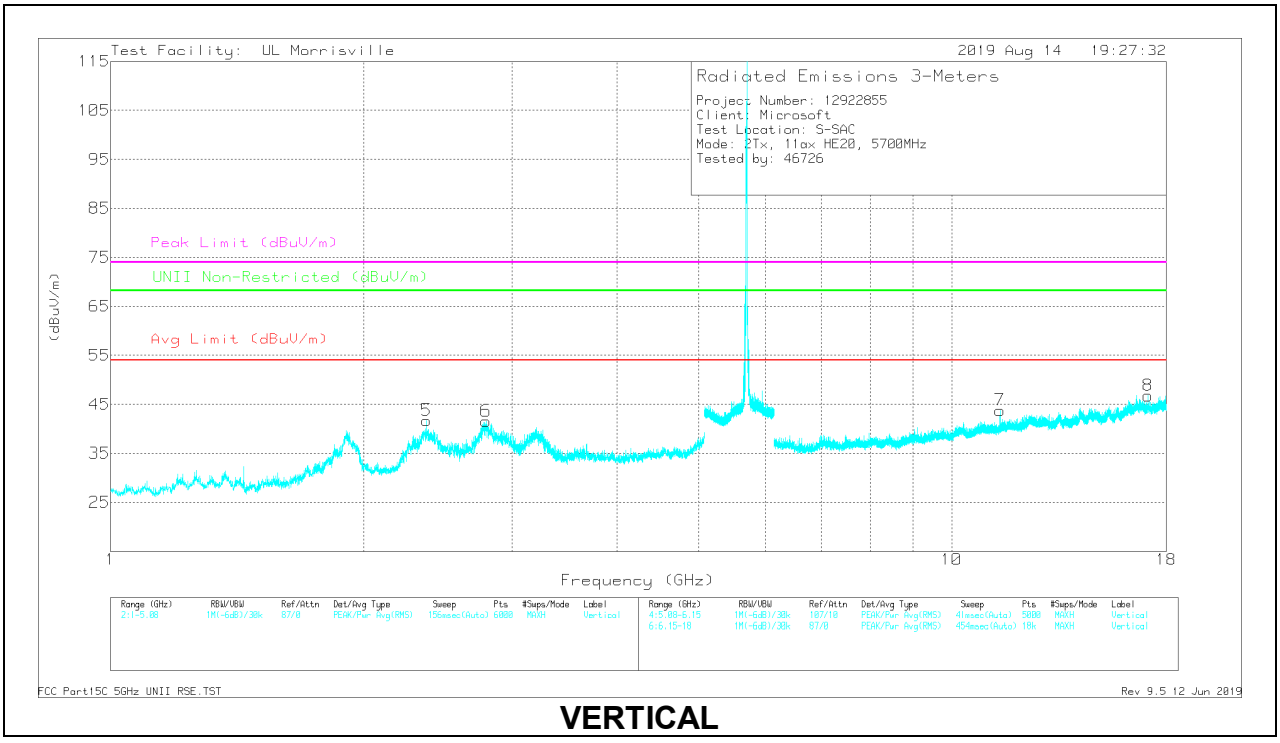
HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* ** 2.77853	47.22	PK-U	32.2	-33.5	45.92	-	-	74	-28.08	-	-	143	129	H
	* ** 2.77842	35.32	ADR	32.2	-33.5	34.02	54	-19.98	-	-	-	-	143	129	H
5	* ** 2.36206	51.45	PK-U	31.7	-34	49.15	-	-	74	-24.85	-	-	98	214	V
	* ** 2.36205	39.59	ADR	31.7	-34	37.29	54	-16.71	-	-	-	-	98	214	V
6	* ** 2.81092	51.94	PK-U	32.1	-33.5	50.54	-	-	74	-23.46	-	-	100	239	V
	* ** 2.81094	40.3	ADR	32.1	-33.5	38.9	54	-15.1	-	-	-	-	100	239	V
3	* ** 11.41619	39.96	PK-U	38.1	-24.6	53.46	-	-	74	-20.54	-	-	308	299	H
	* ** 11.41633	28.53	ADR	38.1	-24.6	42.03	54	-11.97	-	-	-	-	308	299	H
7	* ** 11.41664	38.99	PK-U	38.1	-24.6	52.49	-	-	74	-21.51	-	-	346	105	V
	* ** 11.41664	28.02	ADR	38.1	-24.6	41.52	54	-12.48	-	-	-	-	346	105	V
1	2.41704	35.44	ADR	32	-34	33.44	-	-	-	-	-	-	357	147	H
	2.41726	47.53	PK-U	32	-34	45.53	-	-	-	-	68.2	-22.67	357	147	H
4	17.12422	45.21	PK-U	41.4	-23.6	63.01	-	-	-	-	68.2	-5.19	8	252	H
8	17.12484	44.25	PK-U	41.4	-23.6	62.05	-	-	-	-	68.2	-6.15	84	366	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

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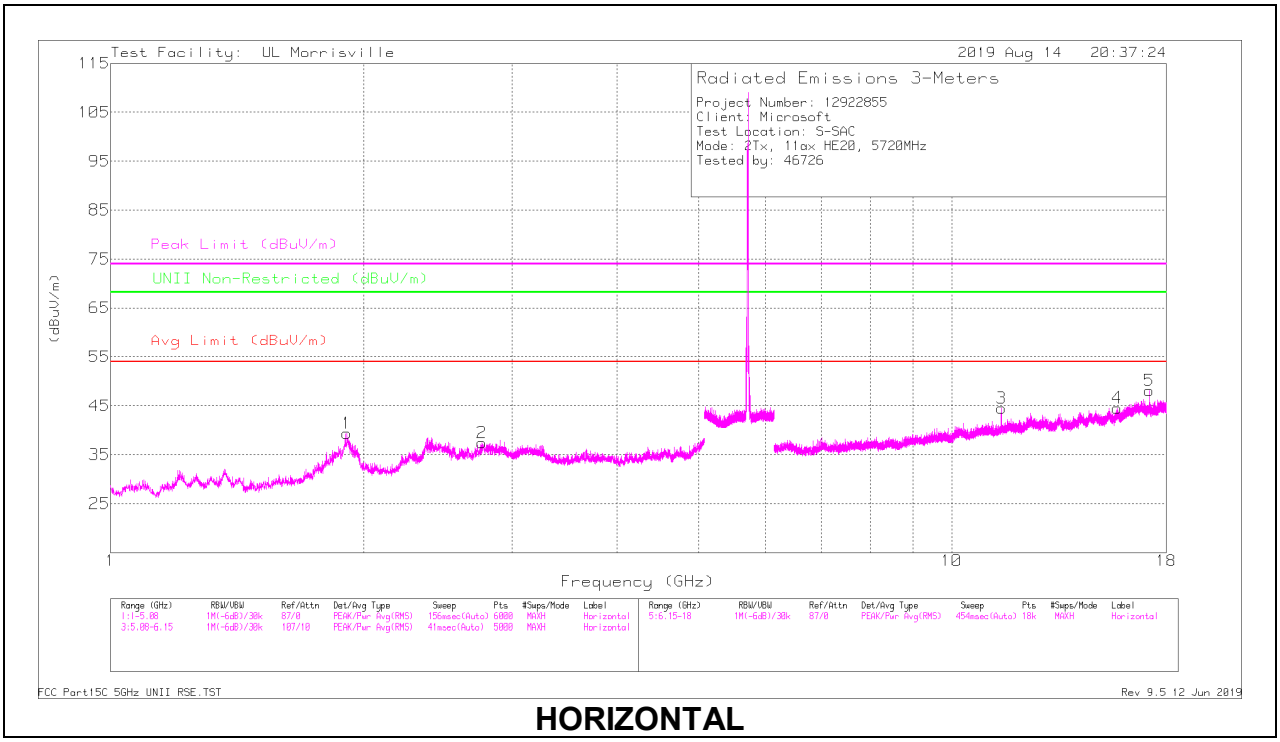
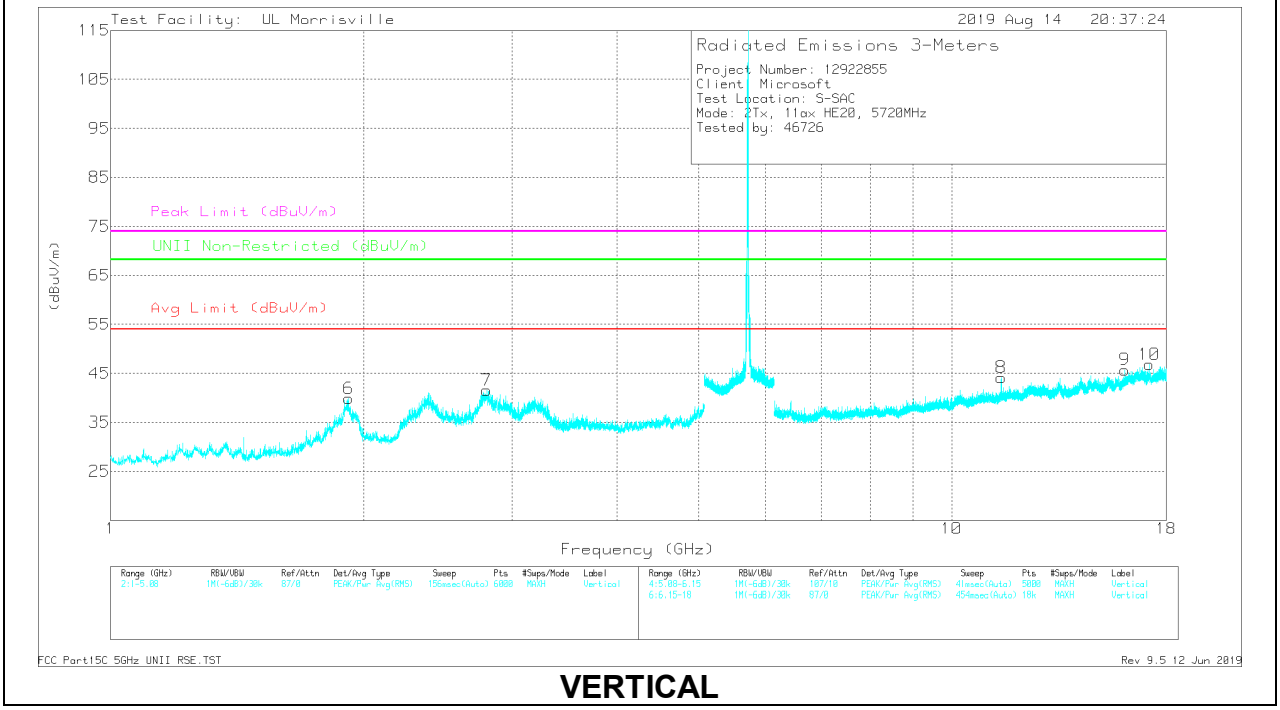
CHANNEL 144 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Markers	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 1.90828	50.37	PK-U	31.1	-34.1	47.37	-	-	-	-	68.2	-20.83	334	154	H
	** 1.90823	38.57	ADR	31.1	-34.1	35.57	-	-	-	-	-	-	334	154	H
2	* ** 2.77854	48.14	PK-U	32.2	-33.5	46.84	-	-	74	-27.16	-	-	143	157	H
	* ** 2.77853	35.78	ADR	32.2	-33.5	34.48	54	-19.52	-	-	-	-	143	157	H
6	** 1.92015	50.6	PK-U	31.2	-34.1	47.7	-	-	-	-	68.2	-20.5	98	179	V
	** 1.92016	38.04	ADR	31.2	-34.1	35.14	-	-	-	-	-	-	98	179	V
7	* ** 2.77804	51.69	PK-U	32.2	-33.5	50.39	-	-	74	-23.61	-	-	102	240	V
	* ** 2.77806	40.04	ADR	32.2	-33.5	38.74	54	-15.26	-	-	-	-	102	240	V
3	* ** 11.45701	41.57	PK-U	38.1	-24.5	55.17	-	-	74	-18.83	-	-	319	293	H
	* ** 11.45714	31.33	ADR	38.1	-24.5	44.93	54	-9.07	-	-	-	-	319	293	H
4	* ** 15.7346	34.18	PK-U	40.3	-22.8	51.68	-	-	74	-22.32	-	-	191	226	H
	* ** 15.73464	21.82	ADR	40.3	-22.8	39.32	54	-14.68	-	-	-	-	191	226	H
8	* ** 11.45689	38.03	PK-U	38.1	-24.5	51.63	-	-	74	-22.37	-	-	348	122	V
	* ** 11.4569	27.1	ADR	38.1	-24.5	40.7	54	-13.3	-	-	-	-	348	122	V
9	* ** 16.06205	35.4	PK-U	40.8	-24.2	52	-	-	74	-22	-	-	10	289	V
	* ** 16.06207	23.08	ADR	40.8	-24.2	39.68	54	-14.32	-	-	-	-	10	289	V
5	17.18503	40.91	PK-U	41.4	-23.2	59.11	-	-	-	-	68.2	-9.09	5	283	H
10	17.18527	37.07	PK-U	41.4	-23.2	55.27	-	-	-	-	68.2	-12.93	317	226	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

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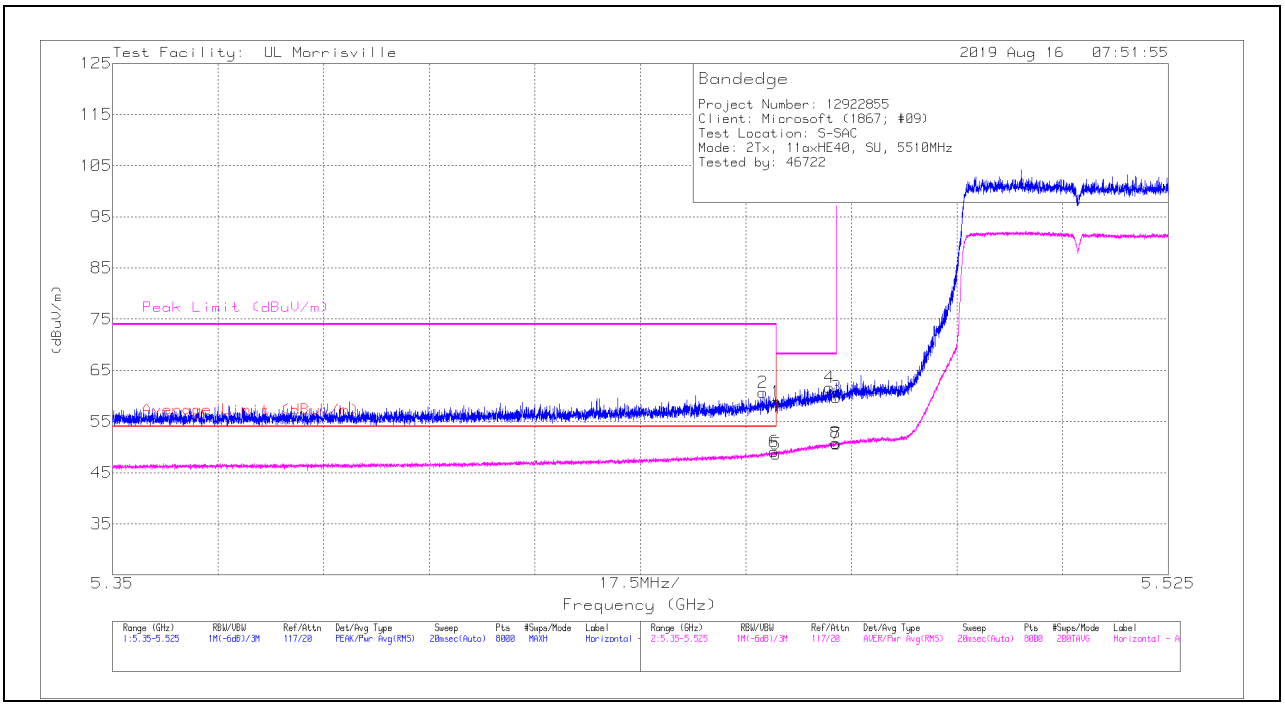
10.1.2. TX ABOVE 1 GHz 802.11ax HE40 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – SU MODE

BANDEDGE (LOW CHANNEL)

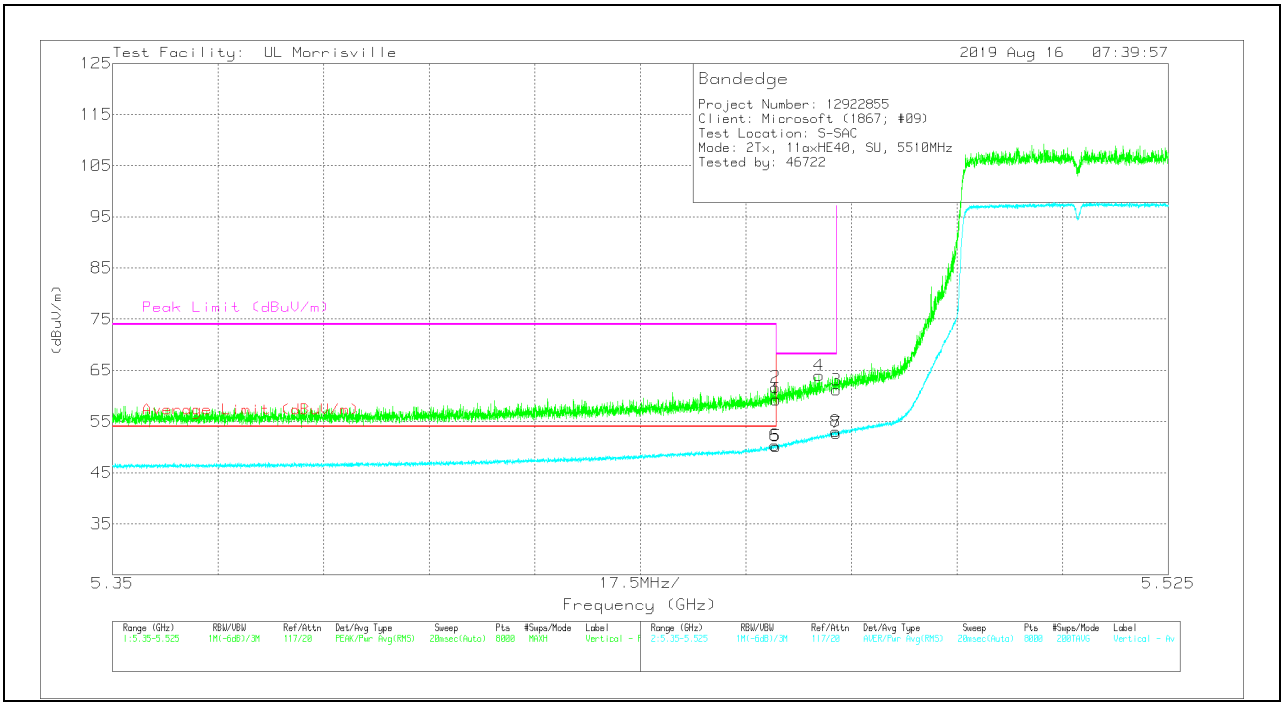
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	47.74	Pk	34.5	-23.4	58.84	-	-	74	-15.16	86	281	H
2	* ** 5.45782	49.59	Pk	34.5	-23.4	60.69	-	-	74	-13.31	86	281	H
5	* ** 5.45998	37.5	RMS	34.5	-23.4	48.6	54	-5.4	-	-	86	281	H
6	* ** 5.4597	37.99	RMS	34.5	-23.4	49.09	54	-4.91	-	-	86	281	H
4	5.4688	50.66	Pk	34.5	-23.5	61.66	-	-	68.2	-6.54	86	281	H
8	5.46991	39.79	RMS	34.5	-23.5	50.79	-	-	-	-	86	281	H
3	5.46998	48.75	Pk	34.5	-23.5	59.75	-	-	68.2	-8.45	86	281	H
7	5.46998	39.58	RMS	34.5	-23.5	50.58	-	-	-	-	86	281	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

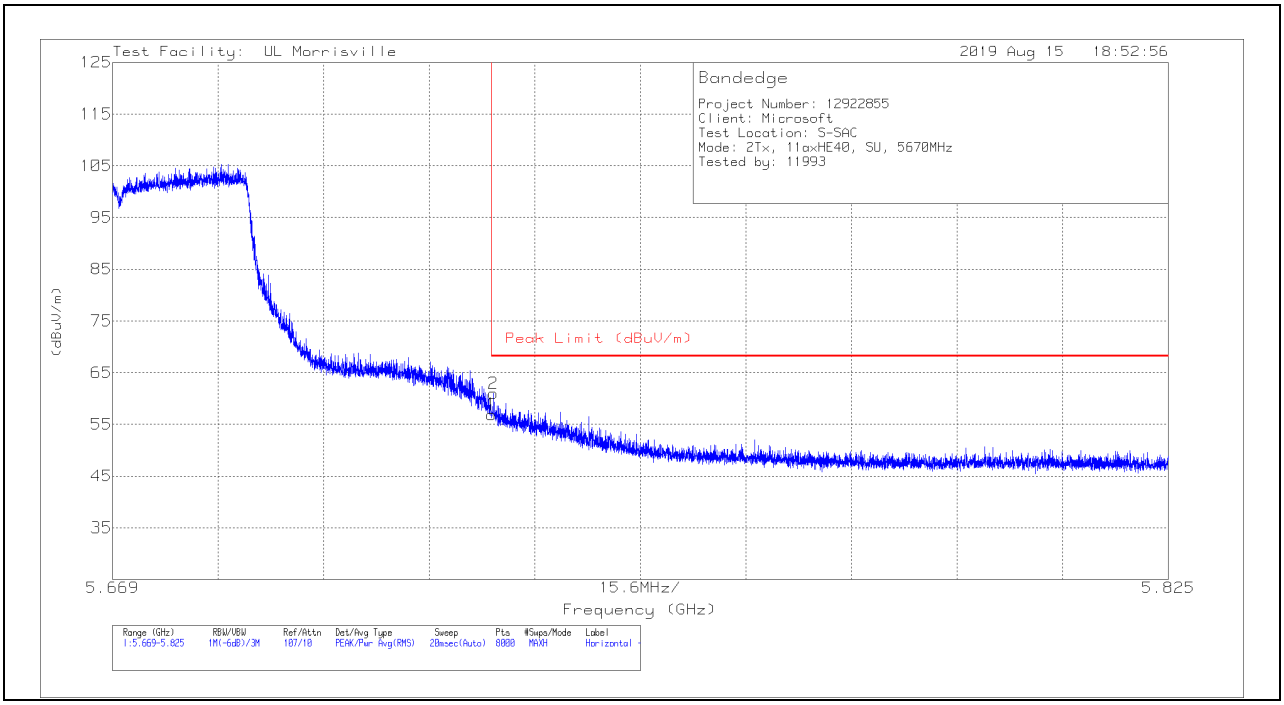


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	48.17	Pk	34.5	-23.4	59.27	-	-	74	-14.73	360	287	V
2	* ** 5.45987	50.59	Pk	34.5	-23.4	61.69	-	-	74	-12.31	360	287	V
5	* ** 5.45998	39.06	RMS	34.5	-23.4	50.16	54	-3.84	-	-	360	287	V
6	* ** 5.45981	39.25	RMS	34.5	-23.4	50.35	54	-3.65	-	-	360	287	V
4	5.46711	52.95	Pk	34.5	-23.5	63.95	-	-	68.2	-4.25	360	287	V
8	5.46989	42.08	RMS	34.5	-23.5	53.08	-	-	-	-	360	287	V
3	5.46998	50.18	Pk	34.5	-23.5	61.18	-	-	68.2	-7.02	360	287	V
7	5.46998	41.74	RMS	34.5	-23.5	52.74	-	-	-	-	360	287	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

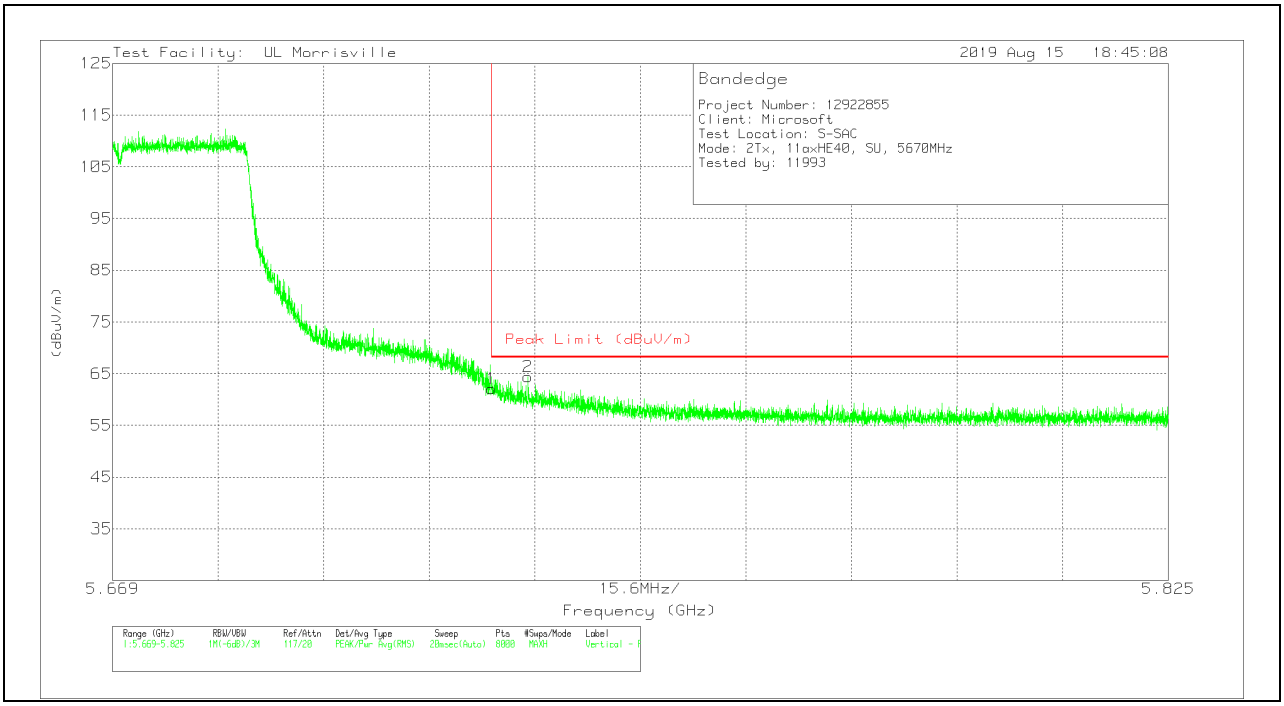
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	45.51	Pk	34.7	-23.3	56.91	68.2	-11.29	314	361	H
2	5.72524	49.56	Pk	34.7	-23.3	60.96	68.2	-7.24	314	361	H

Pk - Peak detector

VERTICAL RESULT



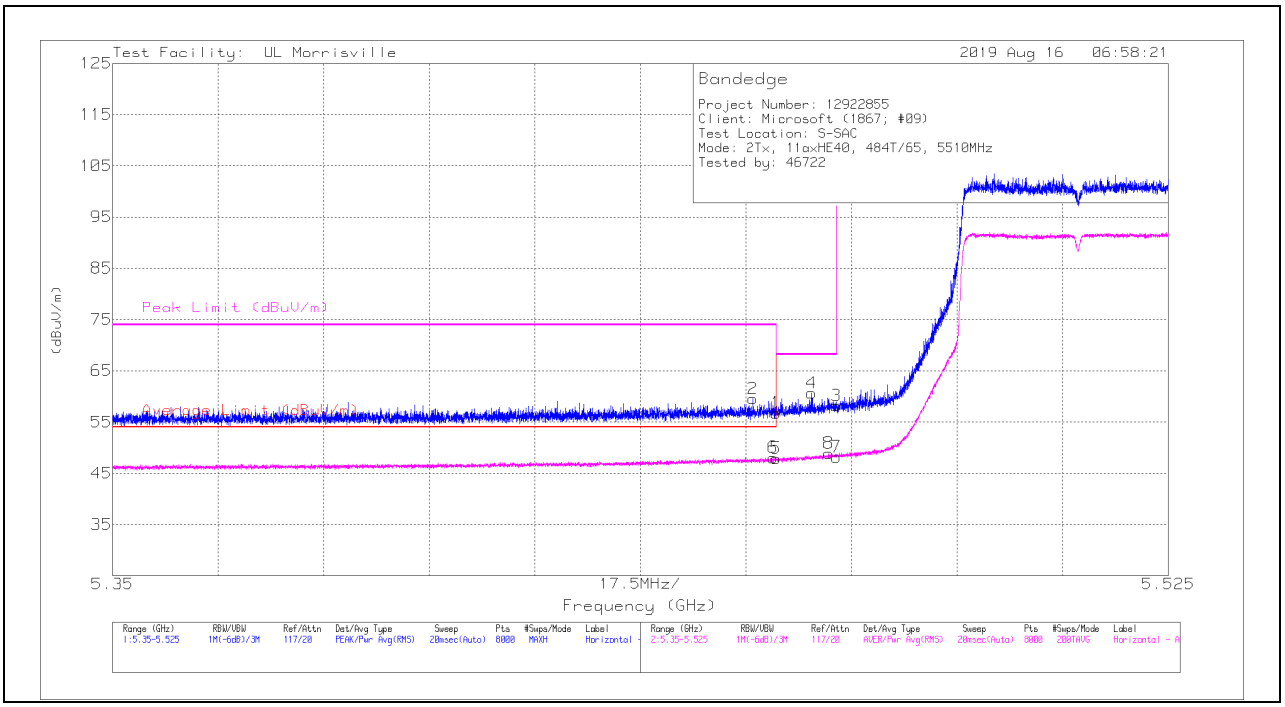
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	50.71	Pk	34.7	-23.3	62.11	68.2	-6.09	350	221	V
2	5.73039	53.02	Pk	34.7	-23.3	64.42	68.2	-3.78	350	221	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 65

BANDEDGE (LOW CHANNEL)

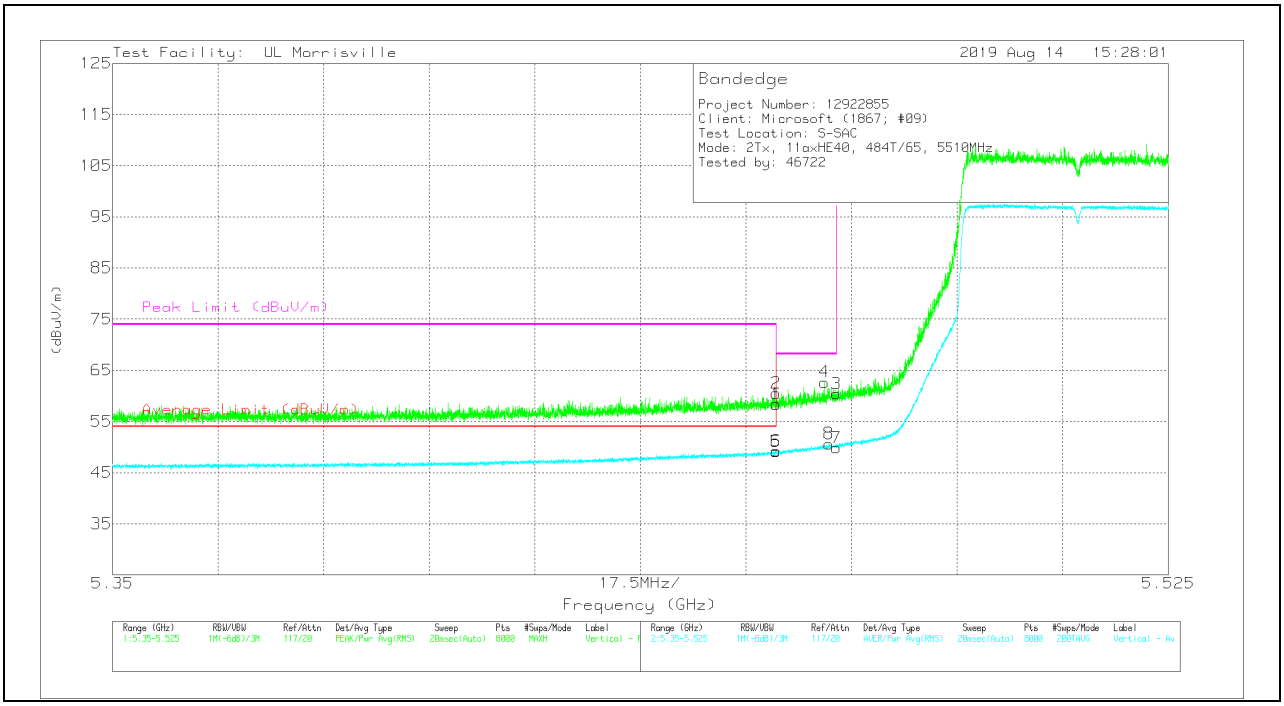
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.68	Pk	34.5	-23.4	56.78	-	-	74	-17.22	20	306	H
2	* ** 5.45611	48.49	Pk	34.5	-23.4	59.59	-	-	74	-14.41	20	306	H
5	* ** 5.45998	36.83	RMS	34.5	-23.4	47.93	54	-6.07	-	-	20	306	H
6	* ** 5.45948	36.97	RMS	34.5	-23.4	48.07	54	-5.93	-	-	20	306	H
4	5.46587	49.63	Pk	34.5	-23.5	60.63	-	-	68.2	-7.57	20	306	H
8	5.46869	37.92	RMS	34.5	-23.5	48.92	-	-	-	-	20	306	H
3	5.46998	47.23	Pk	34.5	-23.5	58.23	-	-	68.2	-9.97	20	306	H
7	5.46998	37.18	RMS	34.5	-23.5	48.18	-	-	-	-	20	306	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



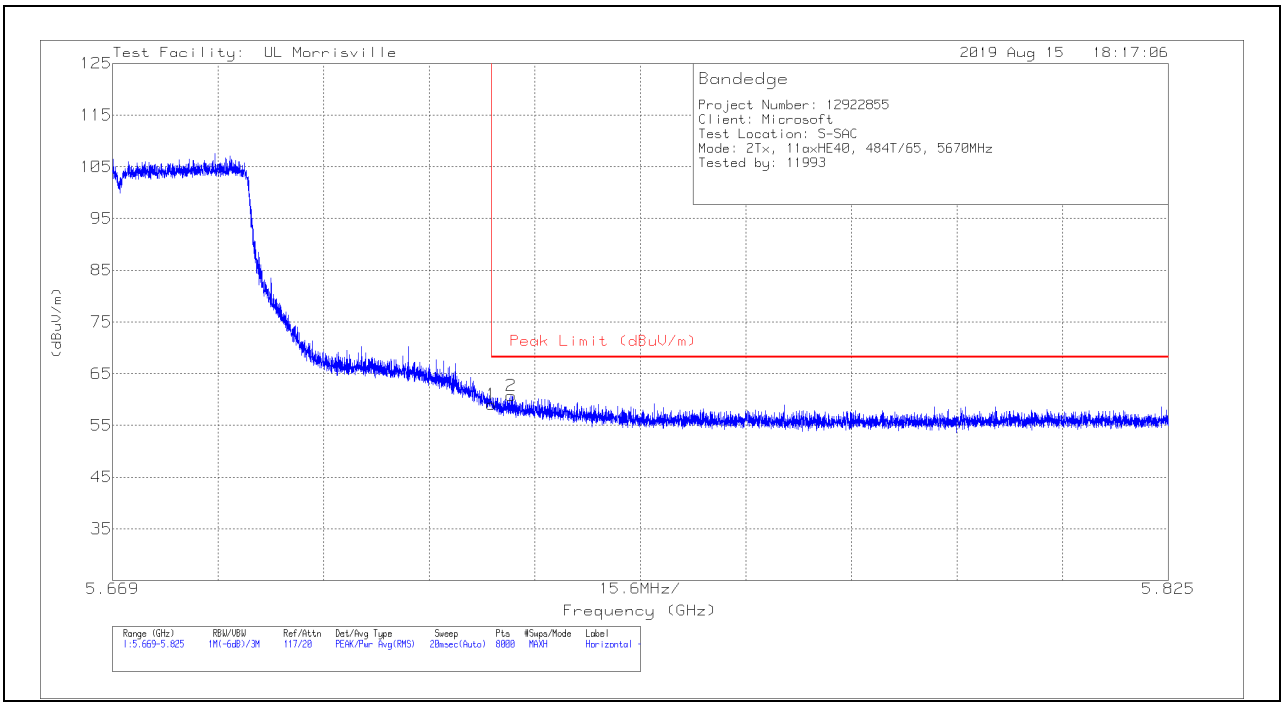
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	47.3	Pk	34.5	-23.4	58.4	-	-	74	-15.6	0	239	V
2	* ** 5.45996	49.4	Pk	34.5	-23.4	60.5	-	-	74	-13.5	0	239	V
5	* ** 5.45998	38.04	RMS	34.5	-23.4	49.14	54	-4.86	-	-	0	239	V
6	* ** 5.45996	38.12	RMS	34.5	-23.4	49.22	54	-4.78	-	-	0	239	V
4	5.46803	51.7	Pk	34.5	-23.5	62.7	-	-	68.2	-5.5	0	239	V
8	5.46875	39.64	RMS	34.5	-23.5	50.64	-	-	-	-	0	239	V
3	5.46998	49.45	Pk	34.5	-23.5	60.45	-	-	68.2	-7.75	0	239	V
7	5.46998	38.87	RMS	34.5	-23.5	49.87	-	-	-	-	0	239	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

UL LLC
12 Laboratory Dr., RTP, NC 27709; USA TEL:(919) 549-1400

BANDEDGE (HIGH CHANNEL)

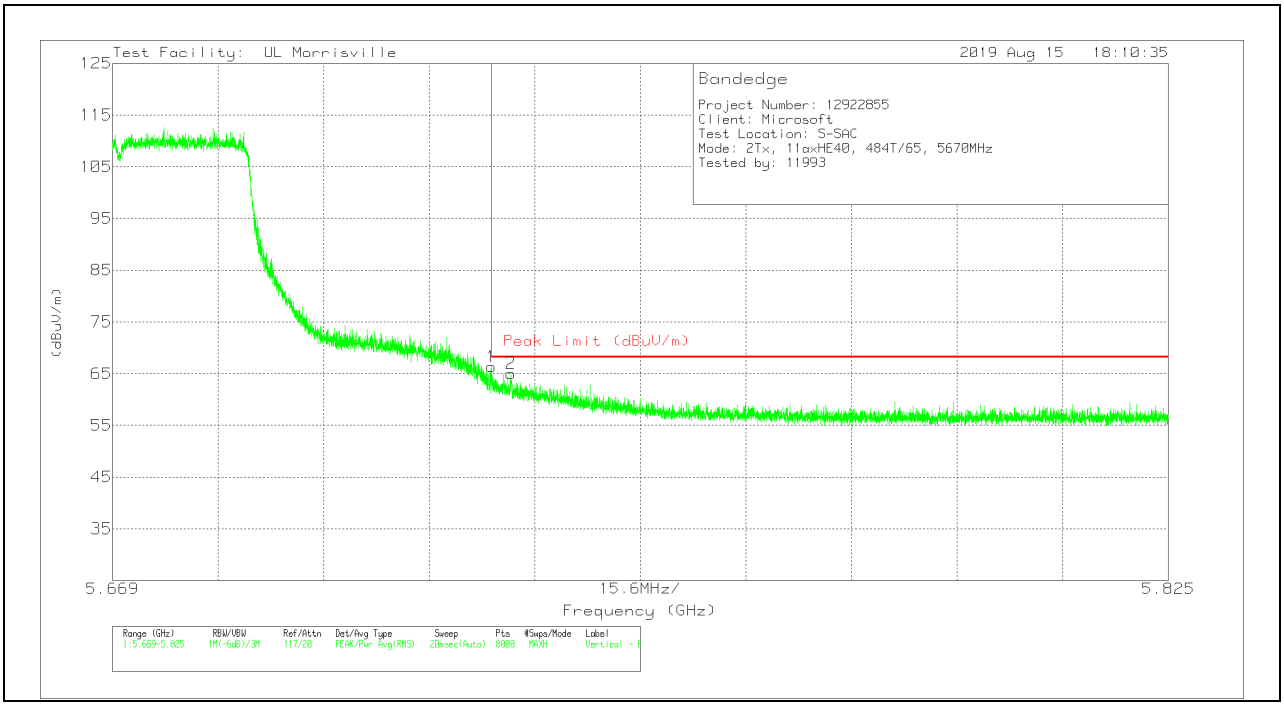
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	47.65	Pk	34.7	-23.3	59.05	68.2	-9.15	62	398	H
2	5.7279	49.27	Pk	34.7	-23.2	60.77	68.2	-7.43	62	398	H

Pk - Peak detector

VERTICAL RESULT



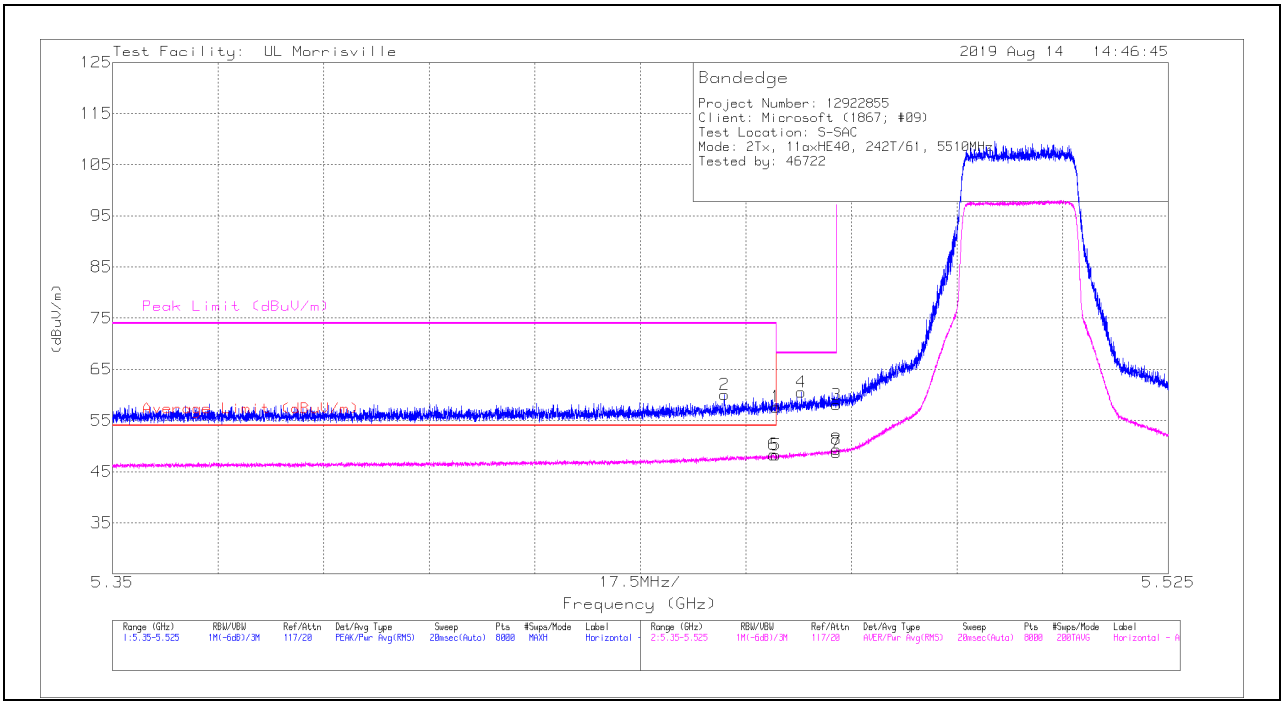
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	54.93	Pk	34.7	-23.3	66.33	68.2	-1.87	356	231	V
2	5.72782	53.55	Pk	34.7	-23.2	65.05	68.2	-3.15	356	231	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

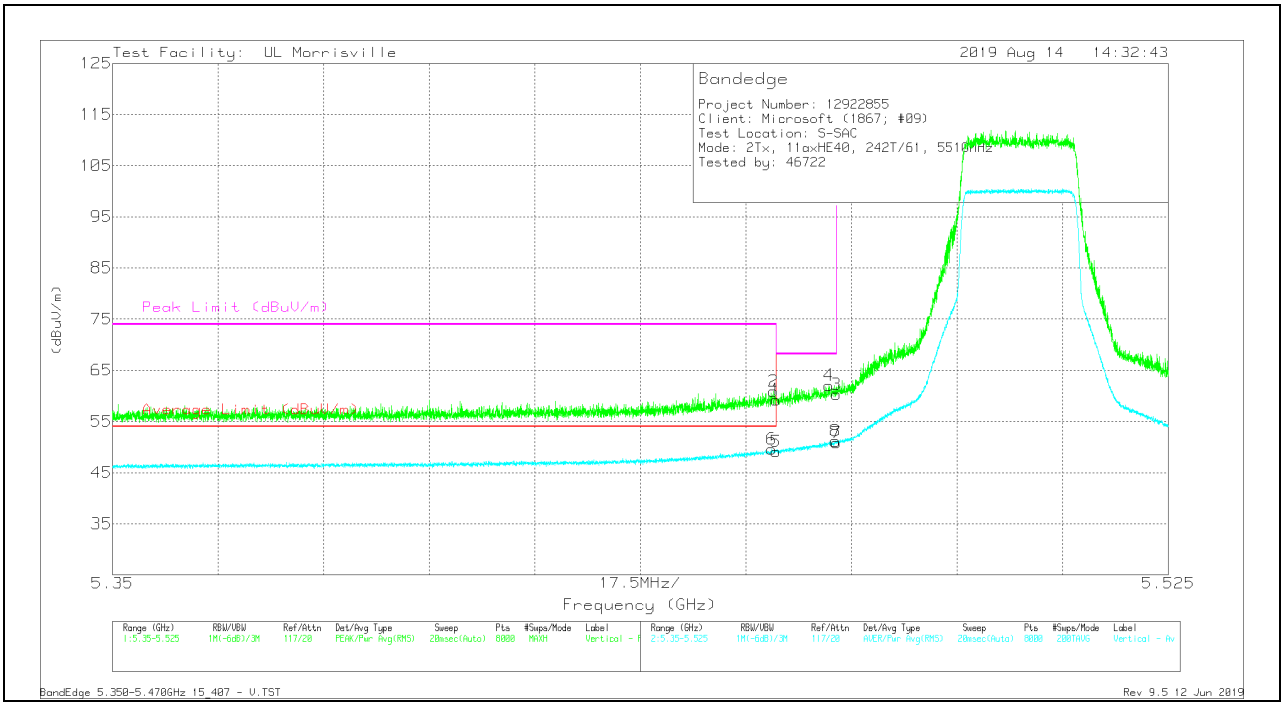
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.56	Pk	34.5	-23.4	57.66	-	-	74	-16.34	19	368	H
2	* ** 5.45141	48.83	Pk	34.5	-23.3	60.03	-	-	74	-13.97	19	368	H
5	* ** 5.45998	37.12	RMS	34.5	-23.4	48.22	54	-5.78	-	-	19	368	H
6	* ** 5.45957	37.22	RMS	34.5	-23.4	48.32	54	-5.68	-	-	19	368	H
4	5.46418	49.44	Pk	34.5	-23.4	60.54	-	-	68.2	-7.66	19	368	H
8	5.46996	38.39	RMS	34.5	-23.5	49.39	-	-	-	-	19	368	H
3	5.46998	47.05	Pk	34.5	-23.5	58.05	-	-	68.2	-10.15	19	368	H
7	5.46998	37.8	RMS	34.5	-23.5	48.8	-	-	-	-	19	368	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



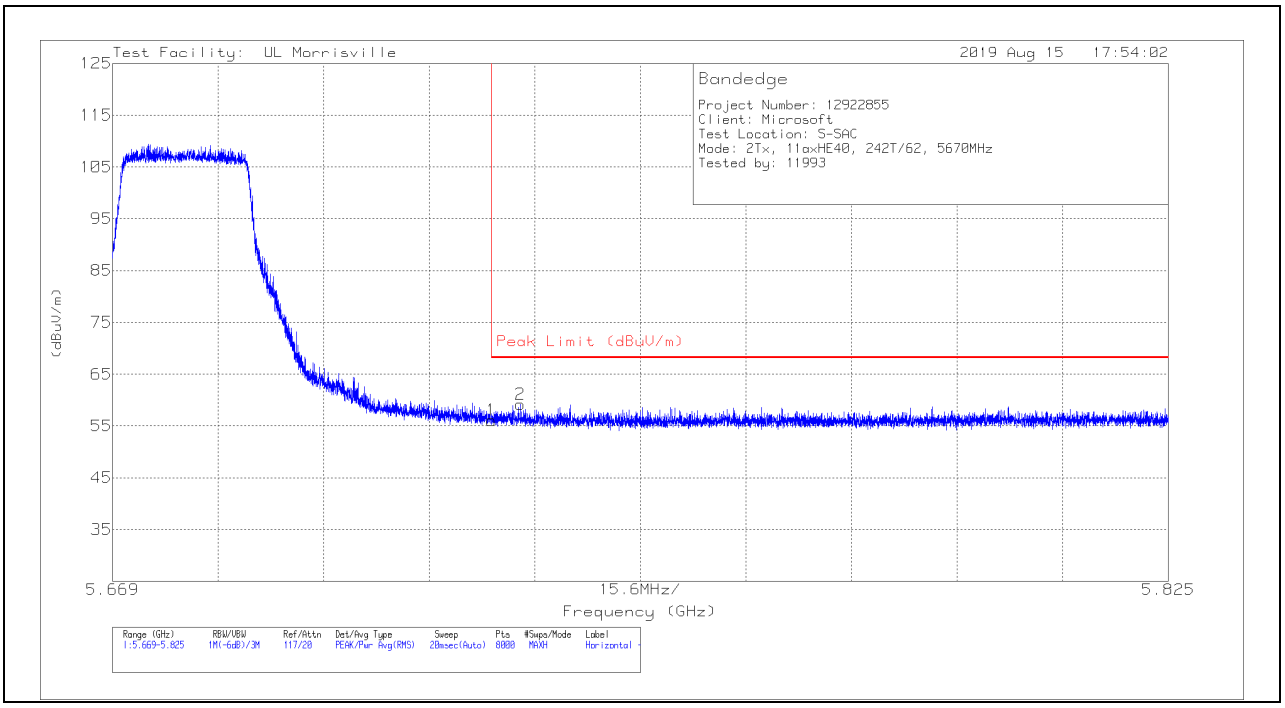
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	48.15	Pk	34.5	-23.4	59.25	-	-	74	-14.75	352	269	V
2	* ** 5.45959	49.82	Pk	34.5	-23.4	60.92	-	-	74	-13.08	352	269	V
5	* ** 5.45998	38.03	RMS	34.5	-23.4	49.13	54	-4.87	-	-	352	269	V
6	* ** 5.45928	38.49	RMS	34.5	-23.4	49.59	54	-4.41	-	-	352	269	V
4	5.46875	51.05	Pk	34.5	-23.5	62.05	-	-	68.2	-6.15	352	269	V
8	5.46983	40.15	RMS	34.5	-23.5	51.15	-	-	-	-	352	269	V
3	5.46998	49.28	Pk	34.5	-23.5	60.28	-	-	68.2	-7.92	352	269	V
7	5.46998	39.83	RMS	34.5	-23.5	50.83	-	-	-	-	352	269	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 62

BANDEDGE (HIGH CHANNEL)

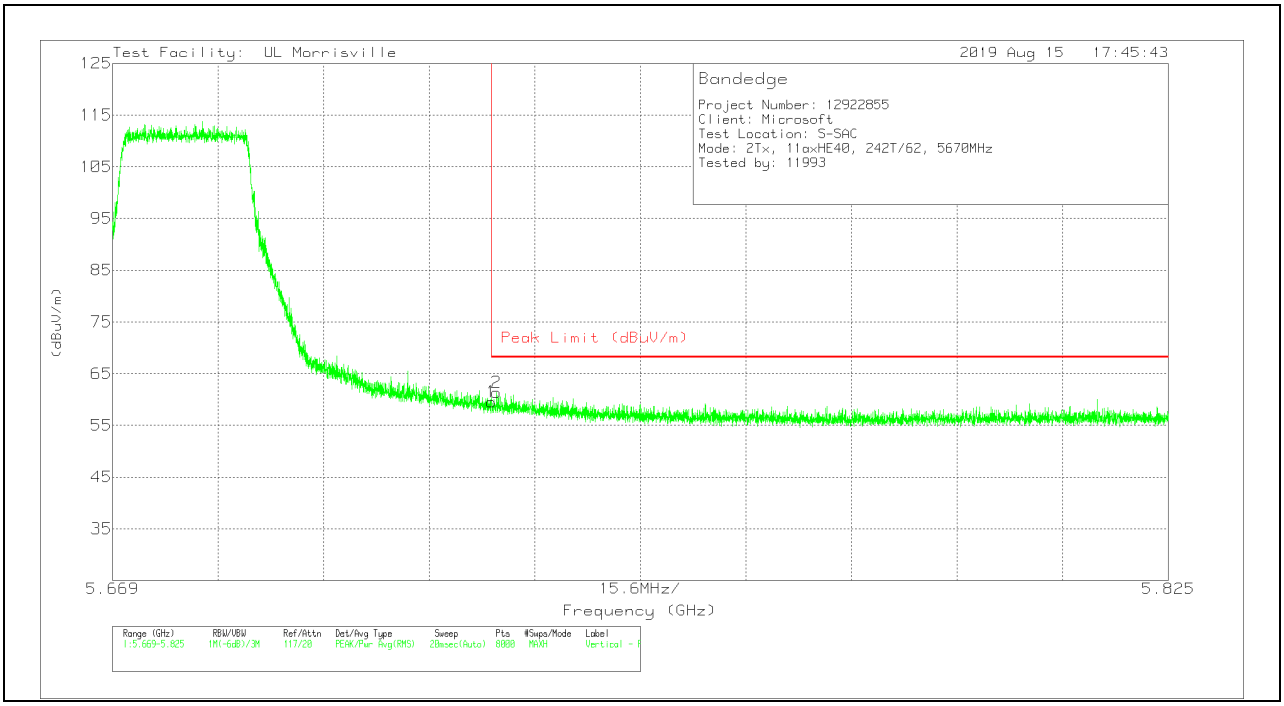
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	44.68	Pk	34.7	-23.3	56.08	68.2	-12.12	10	400	H
2	5.72924	47.74	Pk	34.7	-23.3	59.14	68.2	-9.06	10	400	H

Pk - Peak detector

VERTICAL RESULT



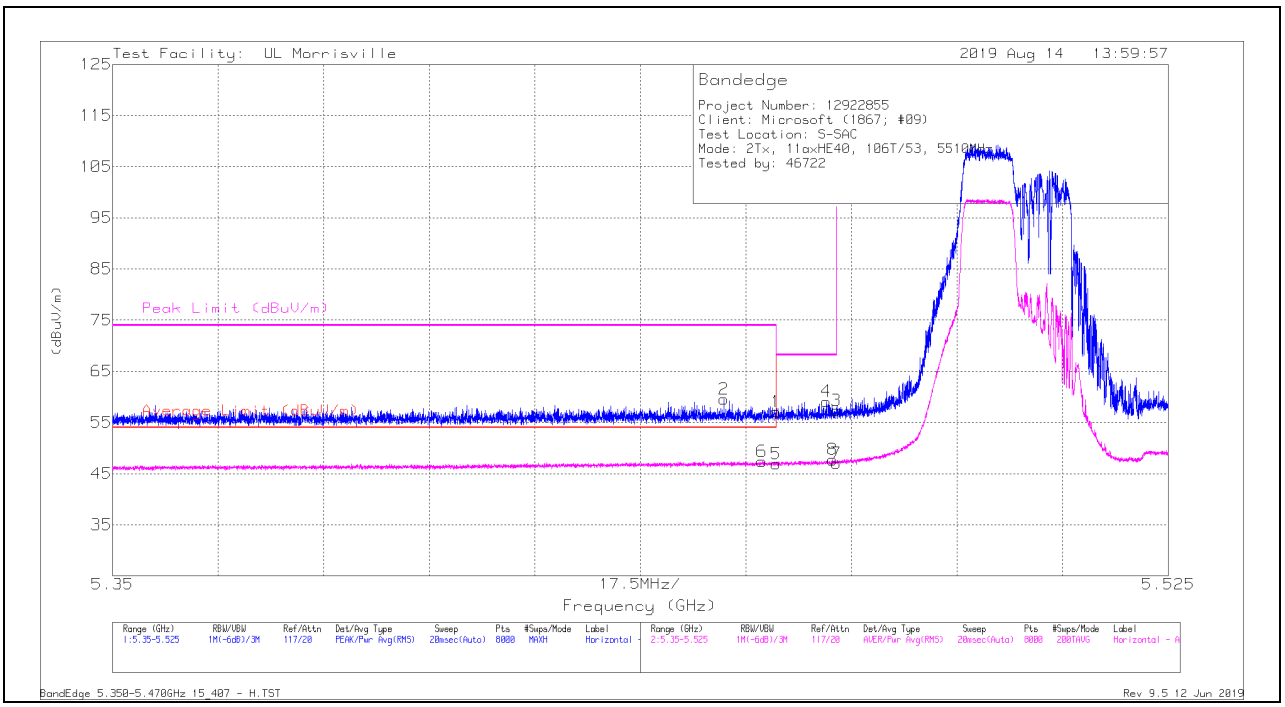
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	48.13	Pk	34.7	-23.3	59.53	68.2	-8.67	351	239	V
2	5.72569	49.93	Pk	34.7	-23.3	61.33	68.2	-6.87	351	239	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 53

BANDEDGE (LOW CHANNEL)

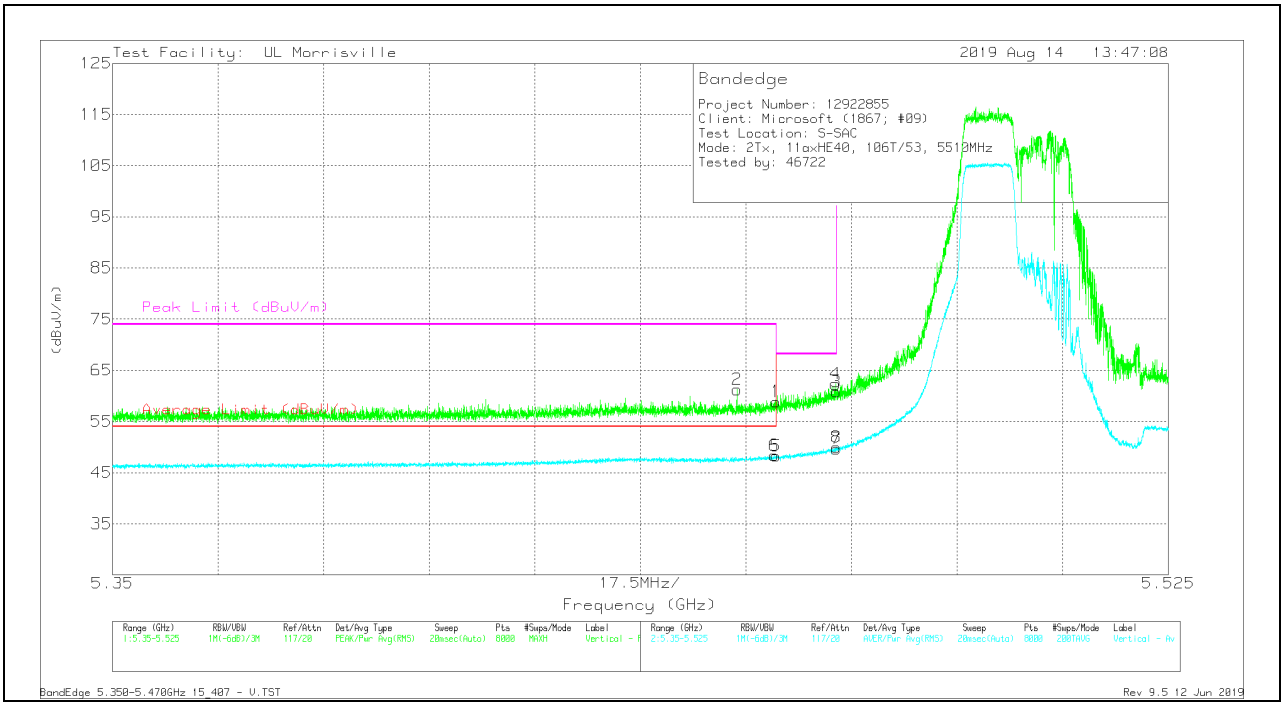
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.02	Pk	34.5	-23.4	57.12	-	-	74	-16.88	115	361	H
2	* ** 5.45134	48.34	Pk	34.5	-23.3	59.54	-	-	74	-14.46	115	361	H
5	* ** 5.45998	35.82	RMS	34.5	-23.4	46.92	54	-7.08	-	-	115	361	H
6	* ** 5.45764	36.26	RMS	34.5	-23.4	47.36	54	-6.64	-	-	115	361	H
4	5.46834	48.12	Pk	34.5	-23.5	59.12	-	-	68.2	-9.08	115	361	H
8	5.46932	36.71	RMS	34.5	-23.5	47.71	-	-	-	-	115	361	H
3	5.46998	46.33	Pk	34.5	-23.5	57.33	-	-	68.2	-10.87	115	361	H
7	5.46998	35.99	RMS	34.5	-23.5	46.99	-	-	-	-	115	361	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



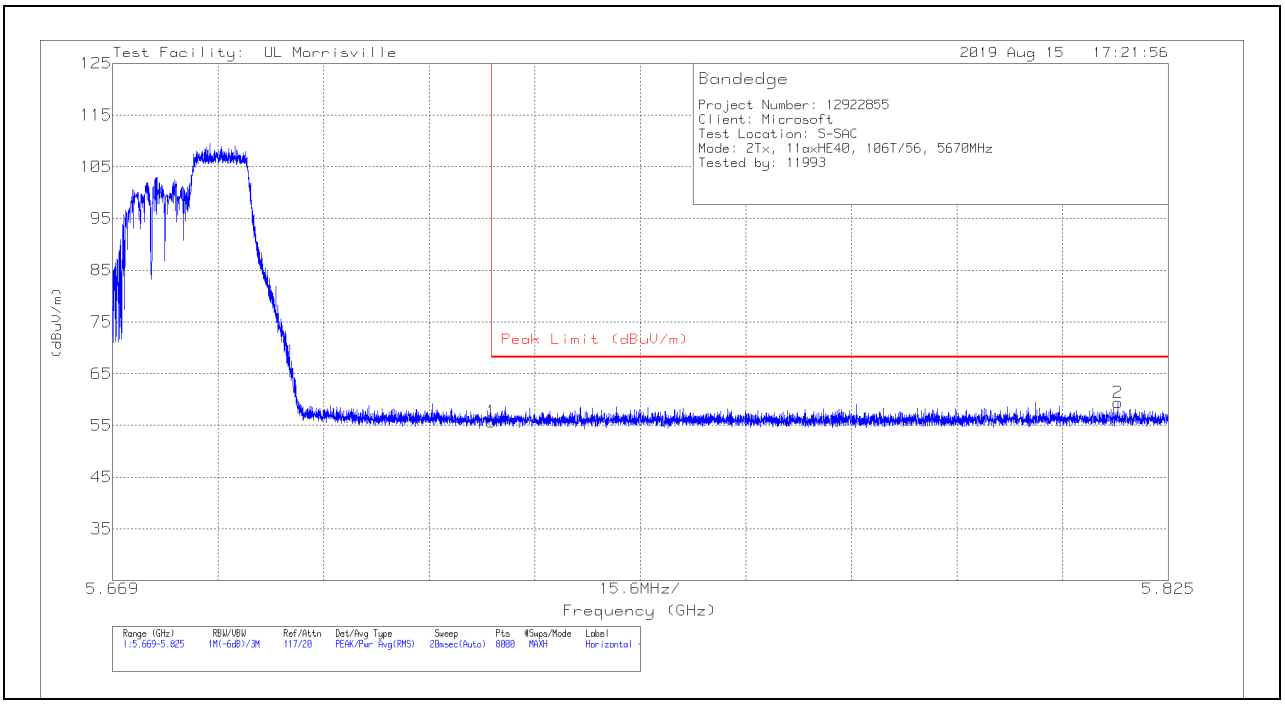
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	47.78	Pk	34.5	-23.4	58.88	-	-	74	-15.12	350	225	V
2	* ** 5.45348	50.04	Pk	34.5	-23.3	61.24	-	-	74	-12.76	350	225	V
5	* ** 5.45998	37.14	RMS	34.5	-23.4	48.24	54	-5.76	-	-	350	225	V
6	* ** 5.4597	37.24	RMS	34.5	-23.4	48.34	54	-5.66	-	-	350	225	V
4	5.46983	51.34	Pk	34.5	-23.5	62.34	-	-	68.2	-5.86	350	225	V
8	5.46996	38.99	RMS	34.5	-23.5	49.99	-	-	-	-	350	225	V
3	5.46998	49.75	Pk	34.5	-23.5	60.75	-	-	68.2	-7.45	350	225	V
7	5.46998	38.67	RMS	34.5	-23.5	49.67	-	-	-	-	350	225	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 56

BANDEDGE (HIGH CHANNEL)

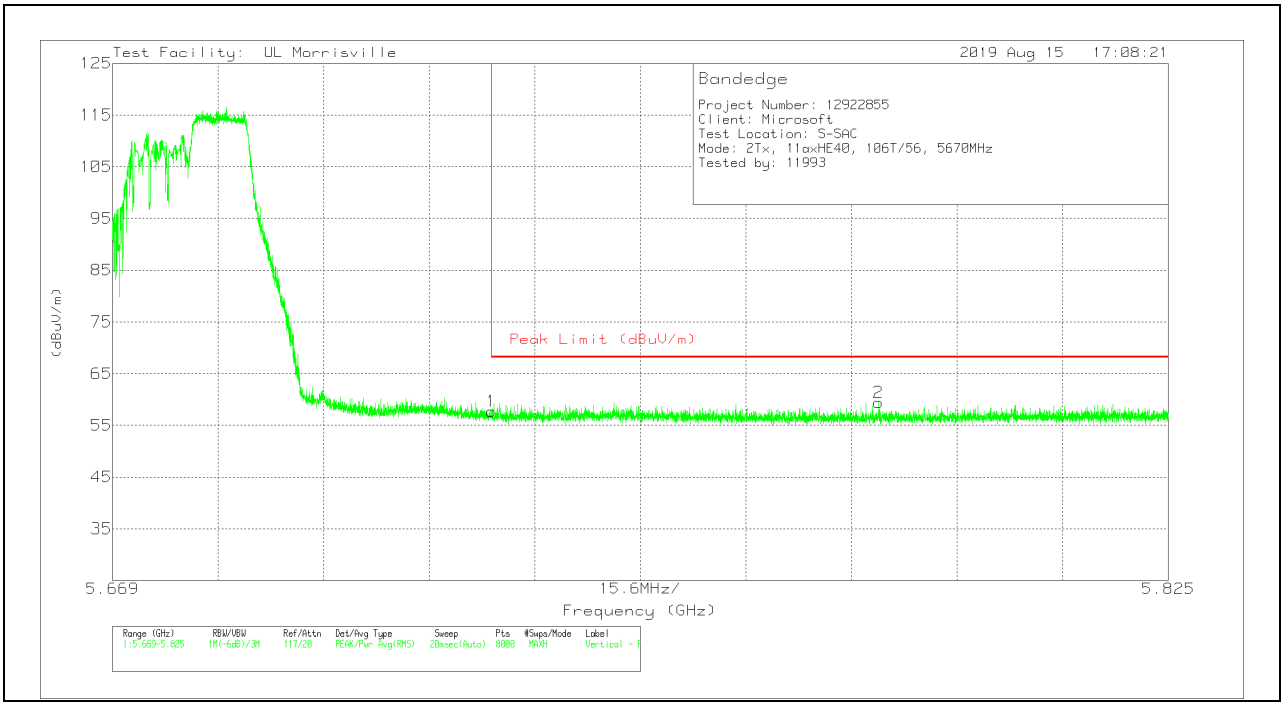
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	44.32	Pk	34.7	-23.3	55.72	68.2	-12.48	318	327	H
2	5.81753	47.72	Pk	34.9	-23.2	59.42	68.2	-8.78	318	327	H

Pk - Peak detector

VERTICAL RESULT



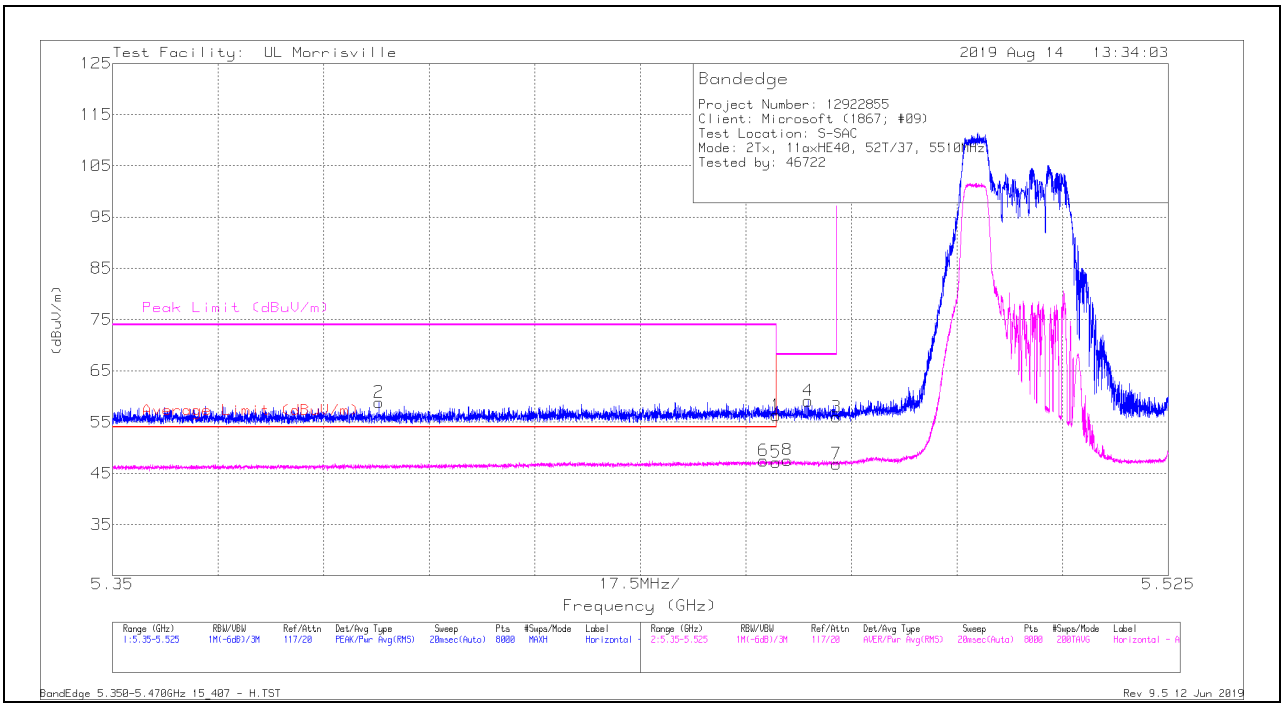
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	46.29	Pk	34.7	-23.3	57.69	68.2	-10.51	44	247	V
2	5.78219	47.9	Pk	34.8	-23.3	59.4	68.2	-8.8	44	247	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 37

BANDEDGE (LOW CHANNEL)

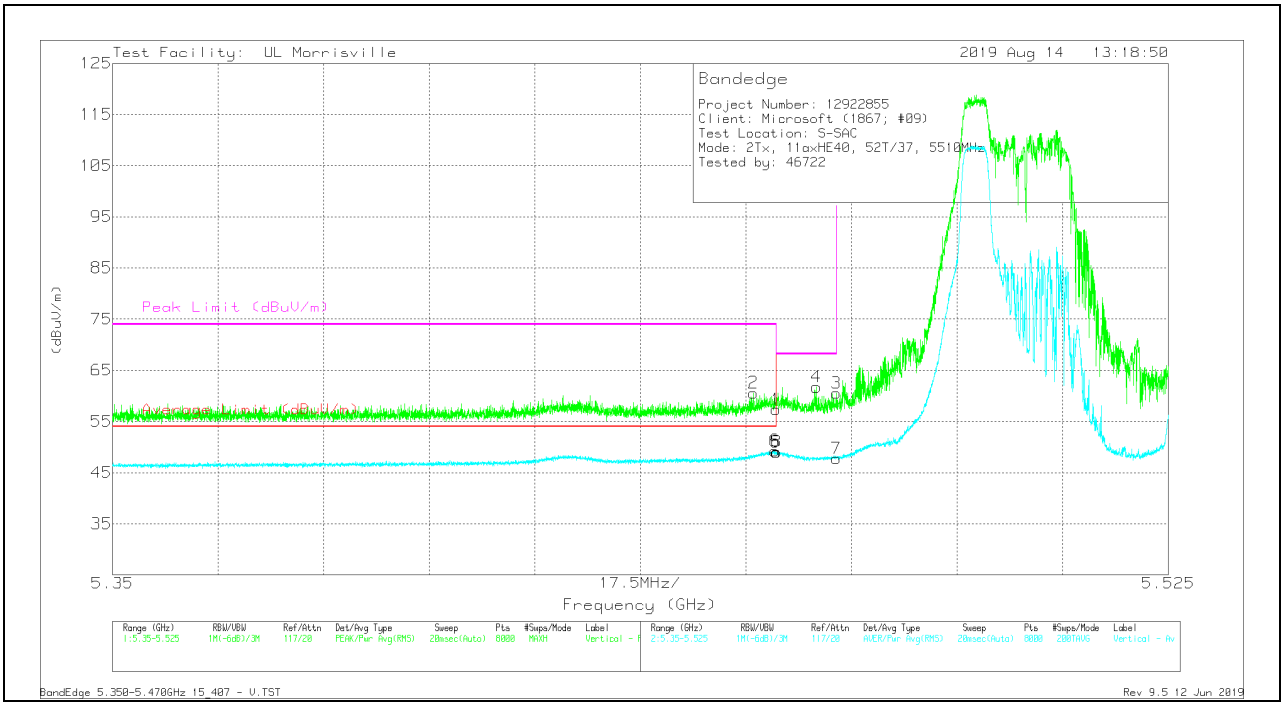
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.21	Pk	34.5	-23.4	56.31	-	-	74	-17.69	310	152	H
2	* ** 5.39415	47.78	Pk	34.4	-23.3	58.88	-	-	74	-15.12	310	152	H
5	* ** 5.45998	36.1	RMS	34.5	-23.4	47.2	54	-6.8	-	-	310	152	H
6	* ** 5.4579	36.36	RMS	34.5	-23.4	47.46	54	-6.54	-	-	310	152	H
8	5.46182	36.48	RMS	34.5	-23.4	47.58	-	-	-	-	310	152	H
4	5.46525	48.04	Pk	34.5	-23.4	59.14	-	-	68.2	-9.06	310	152	H
3	5.46998	45.01	Pk	34.5	-23.5	56.01	-	-	68.2	-12.19	310	152	H
7	5.46998	35.82	RMS	34.5	-23.5	46.82	-	-	-	-	310	152	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



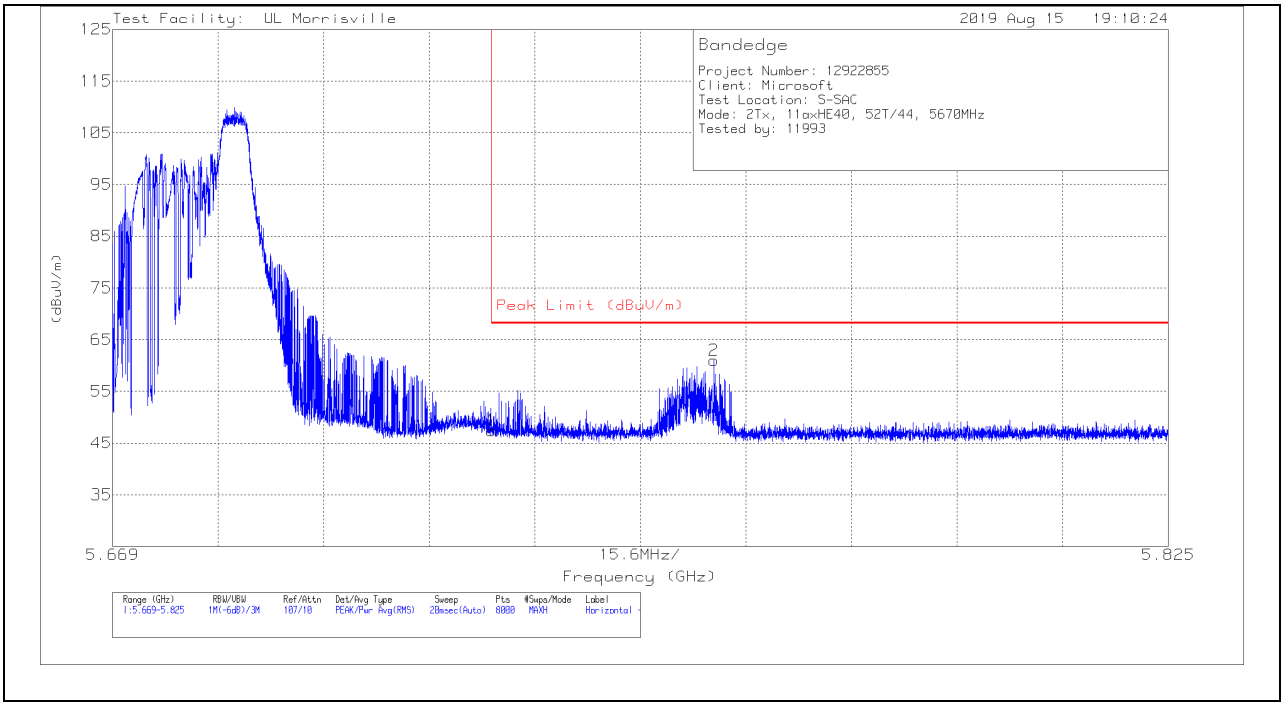
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.23	Pk	34.5	-23.4	57.33	-	-	74	-16.67	7	269	V
2	* ** 5.4562	49.5	Pk	34.5	-23.4	60.6	-	-	74	-13.4	7	269	V
5	* ** 5.45998	37.86	RMS	34.5	-23.4	48.96	54	-5.04	-	-	7	269	V
6	* ** 5.45976	38.19	RMS	34.5	-23.4	49.29	54	-4.71	-	-	7	269	V
8	5.46007	37.96	RMS	34.5	-23.4	49.06	-	-	-	-	7	269	V
4	5.4667	50.73	Pk	34.5	-23.5	61.73	-	-	68.2	-6.47	7	269	V
3	5.46998	49.57	Pk	34.5	-23.5	60.57	-	-	68.2	-7.63	7	269	V
7	5.46998	36.79	RMS	34.5	-23.5	47.79	-	-	-	-	7	269	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 44

BANDEDGE (HIGH CHANNEL)

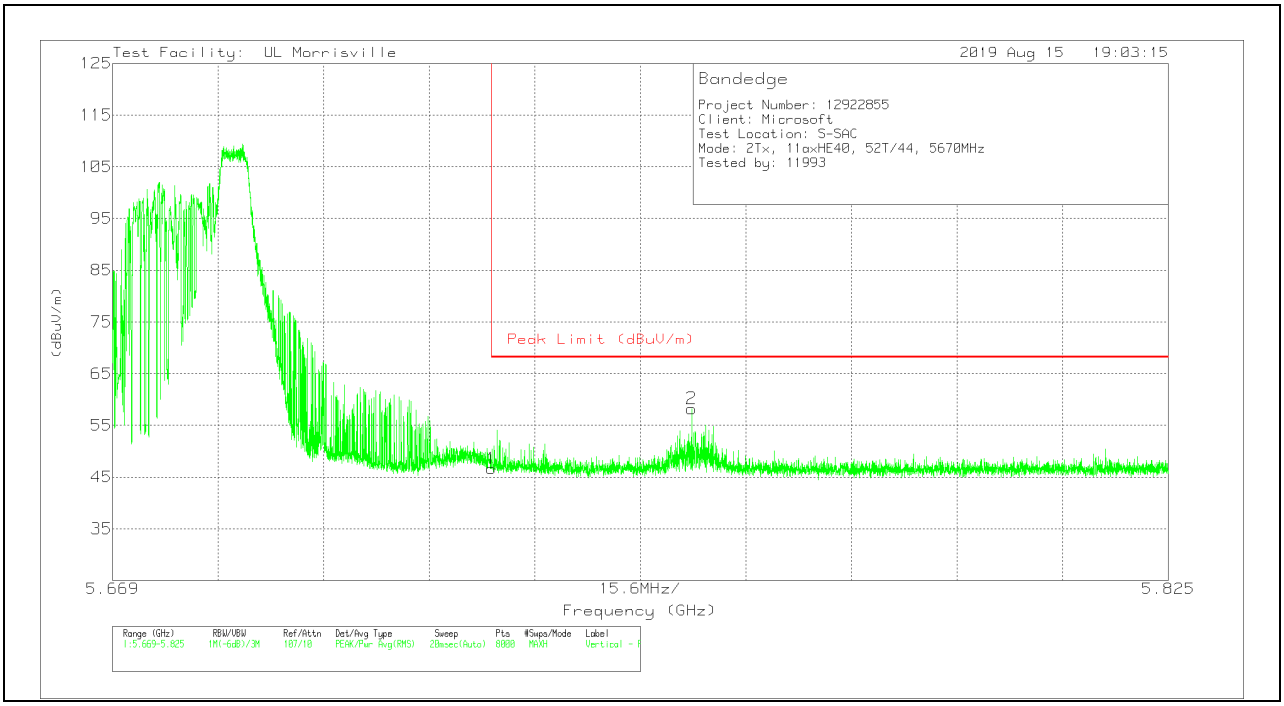
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	36.03	Pk	34.7	-23.3	47.43	68.2	-20.77	54	349	H
2	5.75783	49.41	Pk	34.8	-23.2	61.01	68.2	-7.19	54	349	H

Pk - Peak detector

VERTICAL RESULT



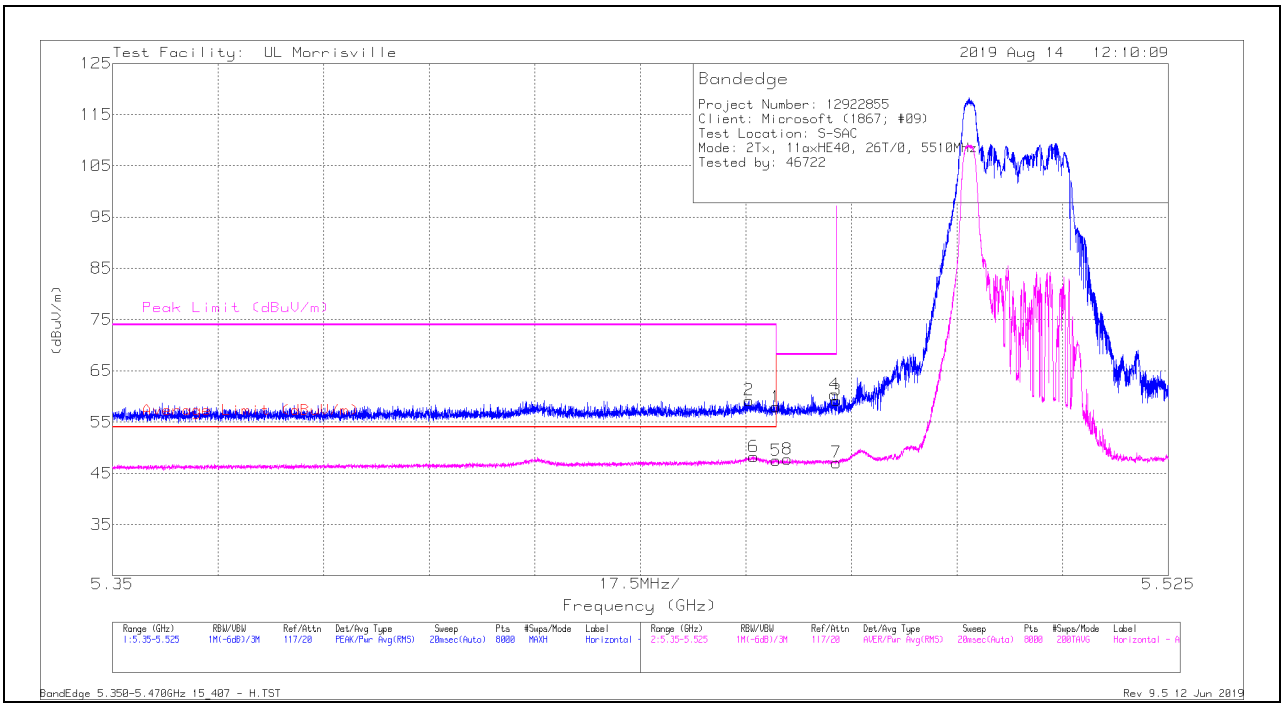
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	35.22	Pk	34.7	-23.3	46.62	68.2	-21.58	328	377	V
2	5.75456	46.75	Pk	34.8	-23.3	58.25	68.2	-9.95	328	377	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

BANDEDGE (LOW CHANNEL)

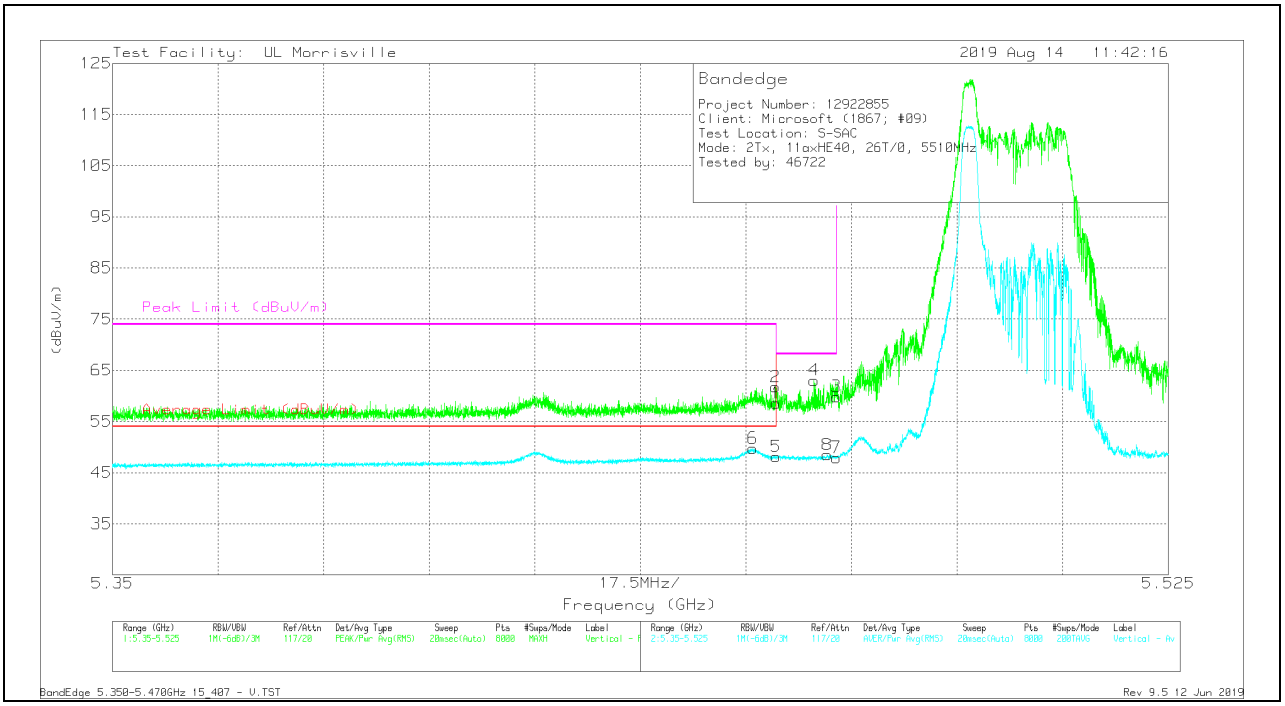
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.87	Pk	34.5	-23.4	57.97	-	-	74	-16.03	25	342	H
2	* ** 5.45547	48.15	Pk	34.5	-23.4	59.25	-	-	74	-14.75	25	342	H
5	* ** 5.45998	36.43	RMS	34.5	-23.4	47.53	54	-6.47	-	-	25	342	H
6	* ** 5.45628	37.18	RMS	34.5	-23.4	48.28	54	-5.72	-	-	25	342	H
8	5.46188	36.66	RMS	34.5	-23.4	47.76	-	-	-	-	25	342	H
4	5.4697	49.37	Pk	34.5	-23.5	60.37	-	-	68.2	-7.83	25	342	H
3	5.46998	48.25	Pk	34.5	-23.5	59.25	-	-	68.2	-8.95	25	342	H
7	5.46998	36.09	RMS	34.5	-23.5	47.09	-	-	-	-	25	342	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



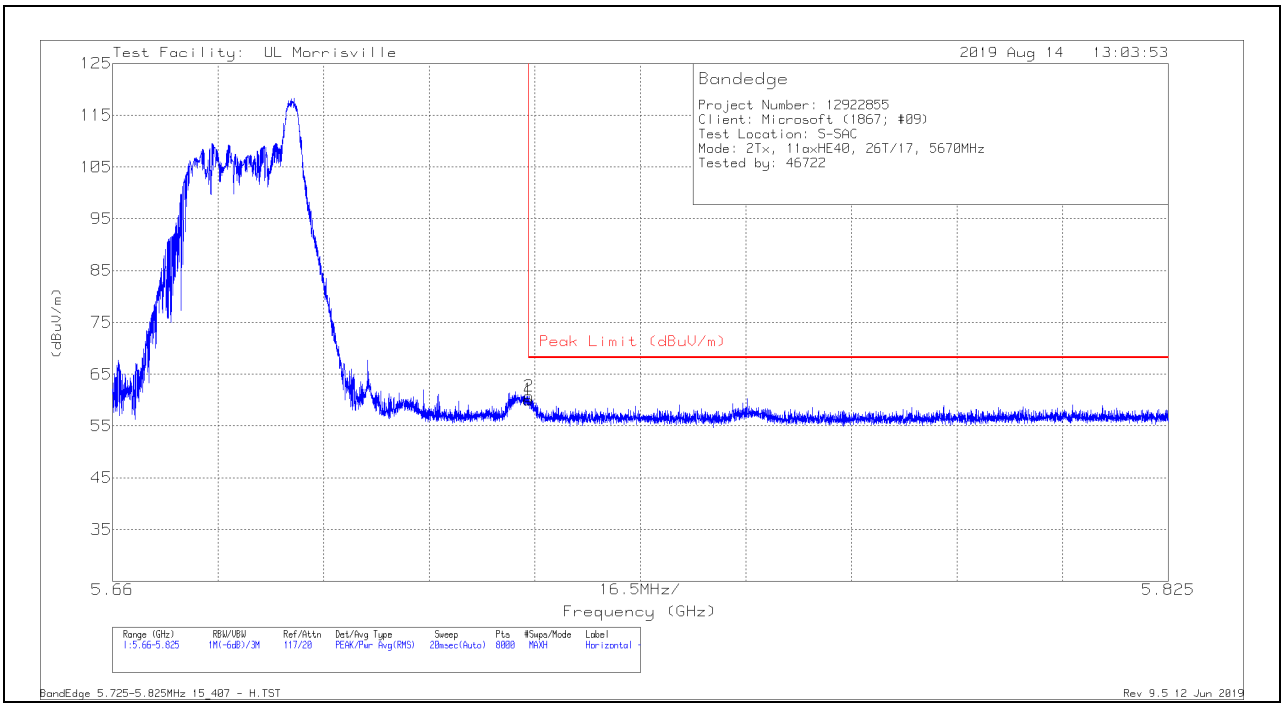
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	47.51	Pk	34.5	-23.4	58.61	-	-	74	-15.39	9	282	V
2	* ** 5.45987	50.68	Pk	34.5	-23.4	61.78	-	-	74	-12.22	9	282	V
5	* ** 5.45998	37	RMS	34.5	-23.4	48.1	54	-5.9	-	-	9	282	V
6	* ** 5.45613	38.66	RMS	34.5	-23.4	49.76	54	-4.24	-	-	9	282	V
4	5.46628	52.06	Pk	34.5	-23.5	63.06	-	-	68.2	-5.14	9	282	V
8	5.46847	37.49	RMS	34.5	-23.5	48.49	-	-	-	-	9	282	V
3	5.46998	48.85	Pk	34.5	-23.5	59.85	-	-	68.2	-8.35	9	282	V
7	5.46998	36.92	RMS	34.5	-23.5	47.92	-	-	-	-	9	282	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 17

BANDEDGE (HIGH CHANNEL)

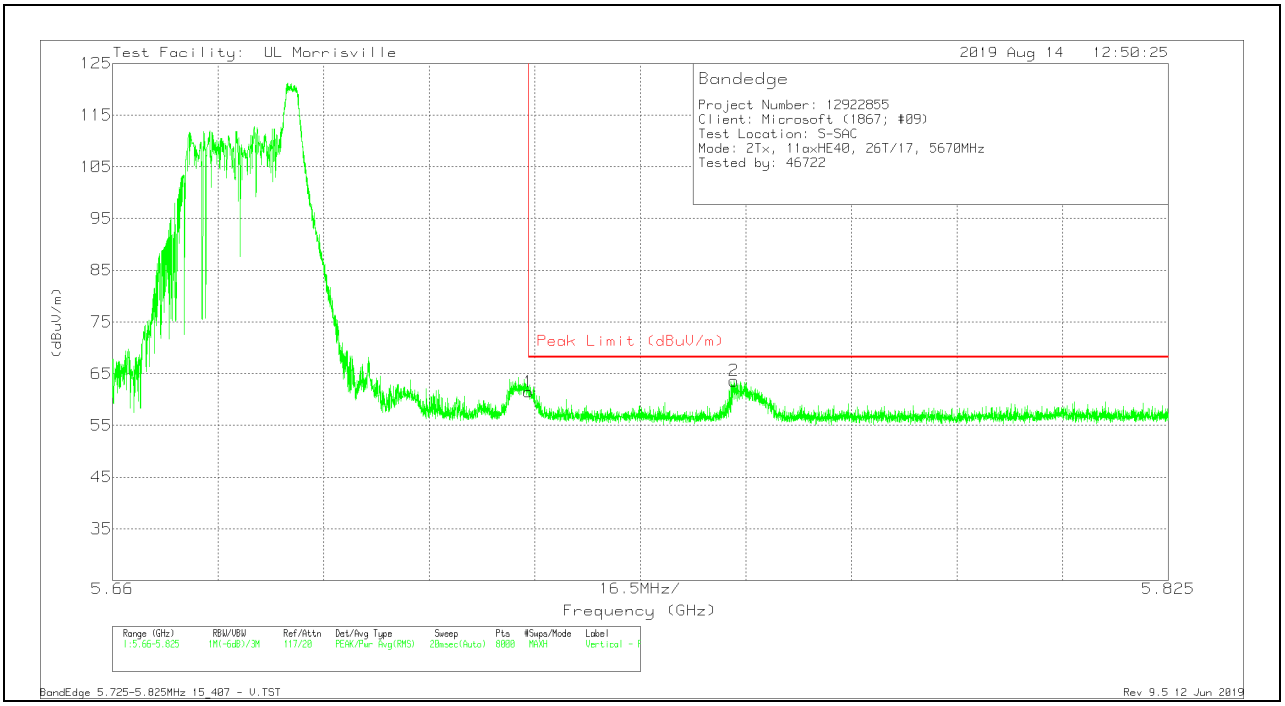
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	48.67	Pk	34.7	-23.3	60.07	68.2	-8.13	64	380	H
2	5.7251	49.31	Pk	34.7	-23.3	60.71	68.2	-7.49	64	380	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	50.06	Pk	34.7	-23.3	61.46	68.2	-6.74	349	235	V
2	5.75714	52.03	Pk	34.8	-23.2	63.63	68.2	-4.57	349	235	V

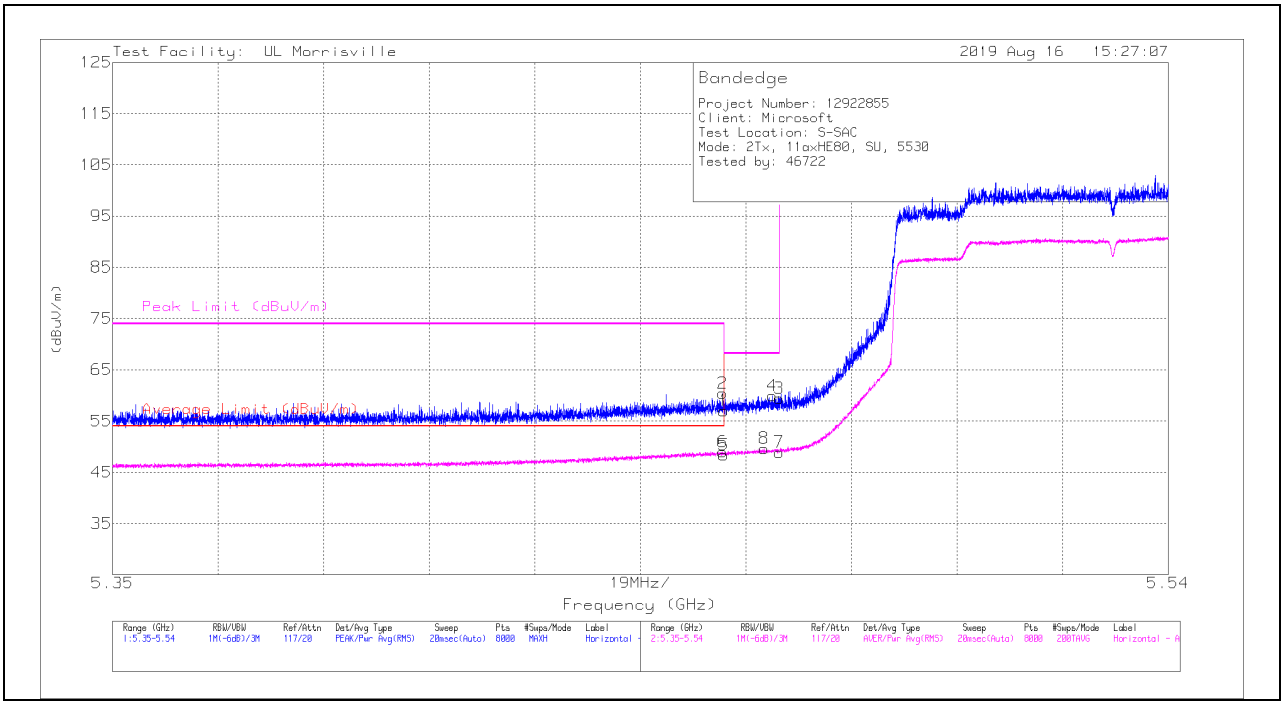
Pk - Peak detector

10.1.3. TX ABOVE 1 GHz 802.11ax HE80 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – SU MODE

BANDEDGE (LOW CHANNEL)

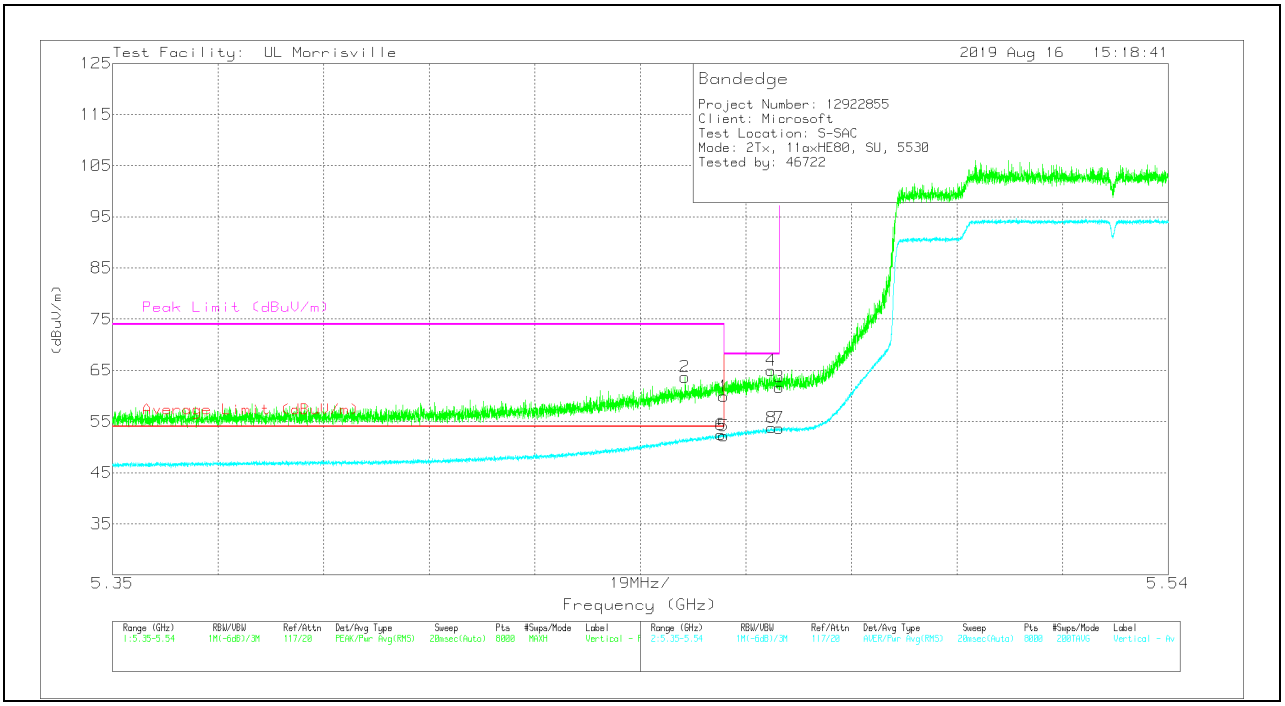
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.94	Pk	34.5	-23.4	57.04	-	-	74	-16.96	312	121	H
2	* ** 5.45979	49.3	Pk	34.5	-23.4	60.4	-	-	74	-13.6	312	121	H
5	* ** 5.45998	37.28	RMS	34.5	-23.4	48.38	54	-5.62	-	-	312	121	H
6	* ** 5.45983	37.85	RMS	34.5	-23.4	48.95	54	-5.05	-	-	312	121	H
8	5.46725	38.65	RMS	34.5	-23.5	49.65	-	-	-	-	312	121	H
4	5.46877	48.91	Pk	34.5	-23.5	59.91	-	-	68.2	-8.29	312	121	H
3	5.46998	48.42	Pk	34.5	-23.5	59.42	-	-	68.2	-8.78	312	121	H
7	5.46998	37.92	RMS	34.5	-23.5	48.92	-	-	-	-	312	121	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



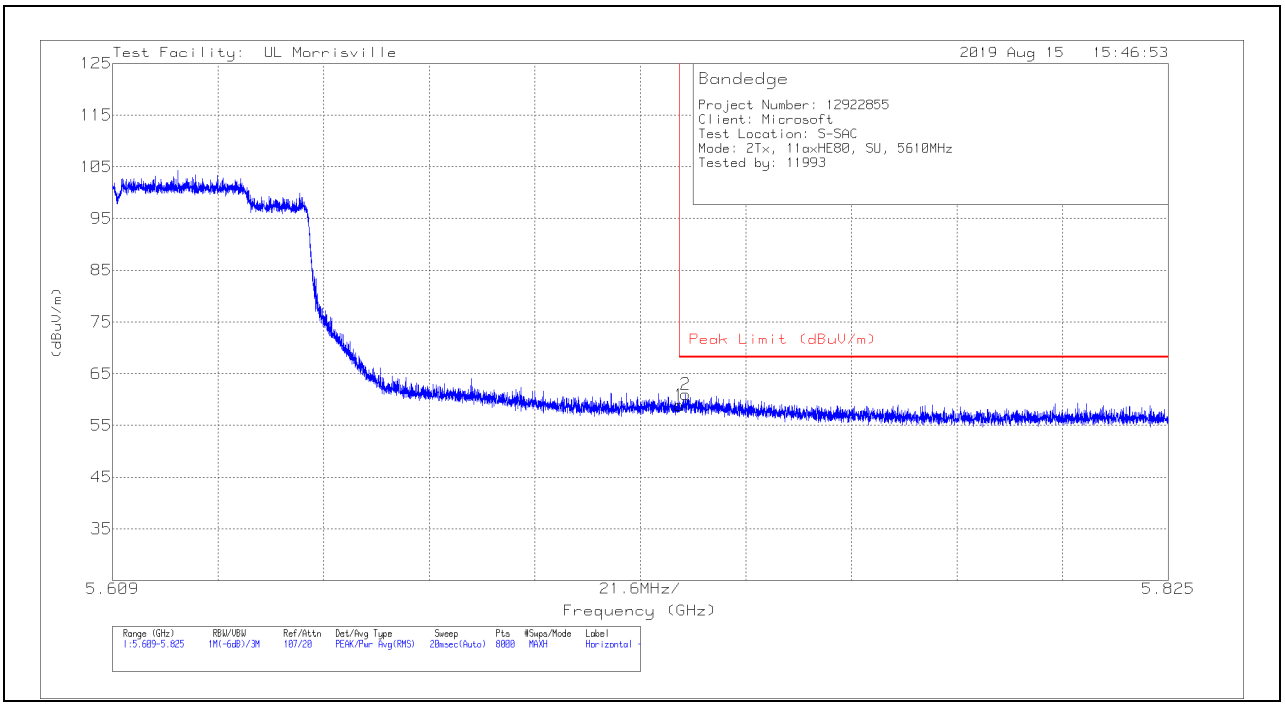
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	48.82	Pk	34.5	-23.4	59.92	-	-	74	-14.08	352	200	V
2	* ** 5.45299	52.49	Pk	34.5	-23.3	63.69	-	-	74	-10.31	352	200	V
5	* ** 5.45998	41.1	RMS	34.5	-23.4	52.2	54	-1.8	-	-	352	200	V
6	* ** 5.45945	41.33	RMS	34.5	-23.4	52.43	54	-1.57	-	-	352	200	V
4	5.46848	53.97	Pk	34.5	-23.5	64.97	-	-	68.2	-3.23	352	200	V
8	5.46862	42.79	RMS	34.5	-23.5	53.79	-	-	-	-	352	200	V
3	5.46998	50.71	Pk	34.5	-23.5	61.71	-	-	68.2	-6.49	352	200	V
7	5.46998	42.71	RMS	34.5	-23.5	53.71	-	-	-	-	352	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

UL LLC
12 Laboratory Dr., RTP, NC 27709; USA TEL:(919) 549-1400

BANDEDGE (HIGH CHANNEL)

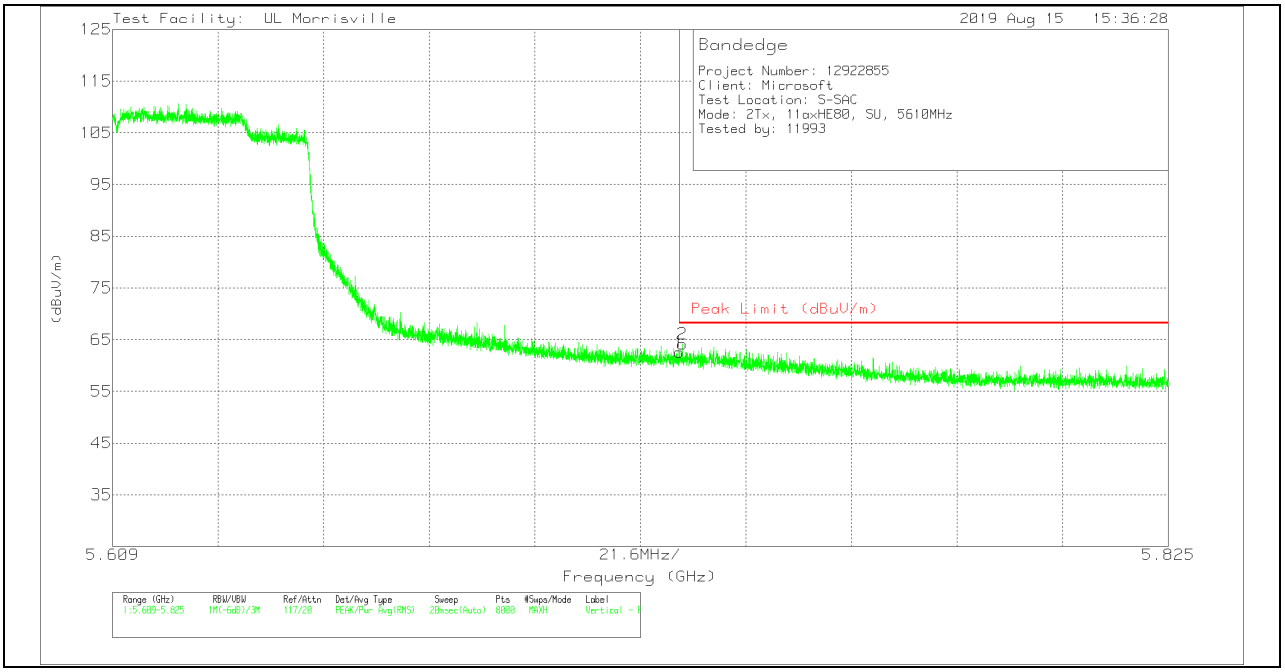
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	47.49	Pk	34.7	-23.3	58.89	68.2	-9.31	73	356	H
2	5.72619	49.63	Pk	34.7	-23.3	61.03	68.2	-7.17	73	356	H

Pk - Peak detector

VERTICAL RESULT



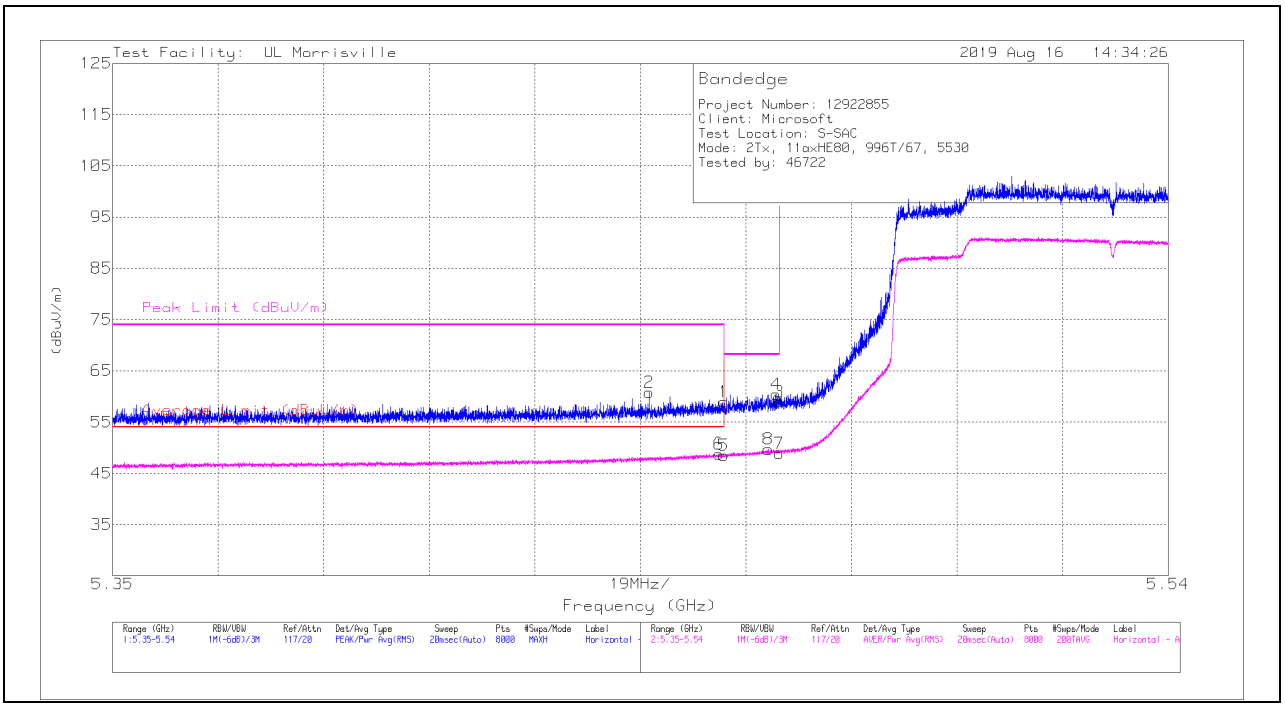
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	51.17	Pk	34.7	-23.3	62.57	68.2	-5.63	48	228	V
2	5.7256	52.77	Pk	34.7	-23.3	64.17	68.2	-4.03	48	228	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 996-Tones, RU Index 67

BANDEDGE (LOW CHANNEL)

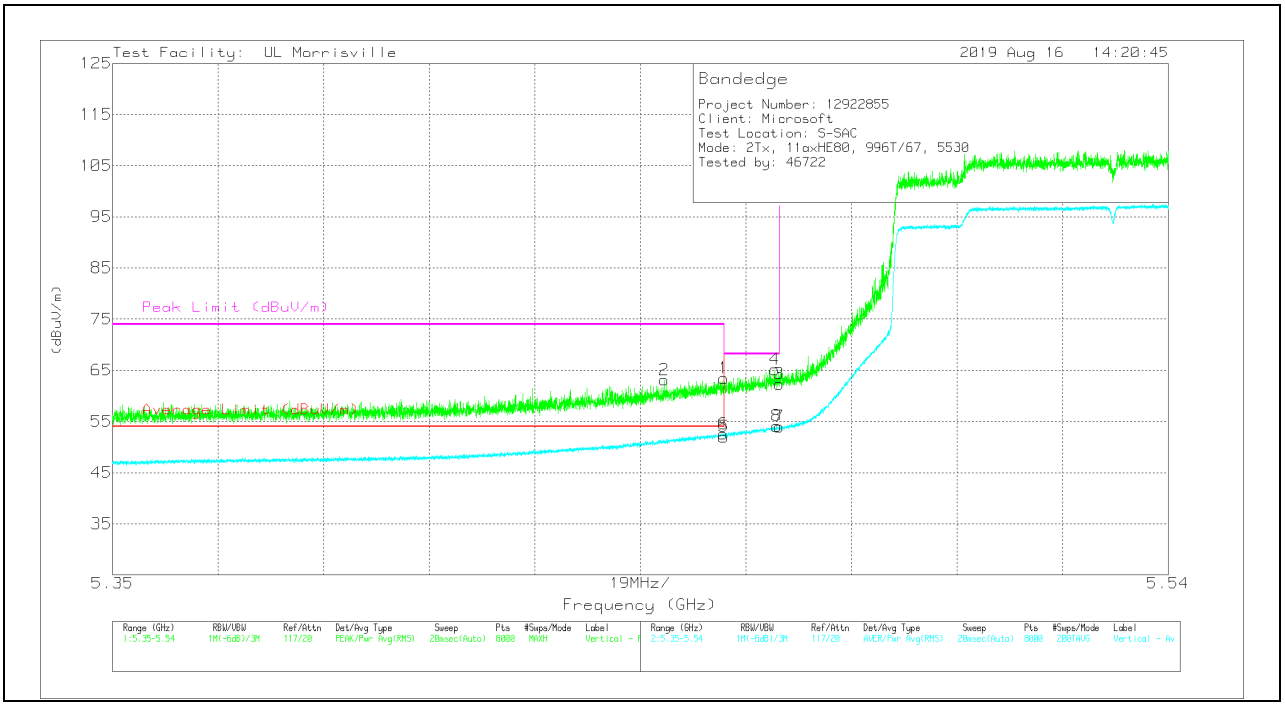
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	47.82	Pk	34.5	-23.4	58.92	-	-	74	-15.08	328	320	H
2	* ** 5.44658	49.72	Pk	34.5	-23.4	60.82	-	-	74	-13.18	328	320	H
5	* ** 5.45998	37.39	RMS	34.5	-23.4	48.49	54	-5.51	-	-	328	320	H
6	* ** 5.45907	37.68	RMS	34.5	-23.4	48.78	54	-5.22	-	-	328	320	H
8	5.46801	38.68	RMS	34.5	-23.5	49.68	-	-	-	-	328	320	H
4	5.46945	49.38	Pk	34.5	-23.5	60.38	-	-	68.2	-7.82	328	320	H
3	5.46998	47.92	Pk	34.5	-23.5	58.92	-	-	68.2	-9.28	328	320	H
7	5.46998	37.86	RMS	34.5	-23.5	48.86	-	-	-	-	328	320	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

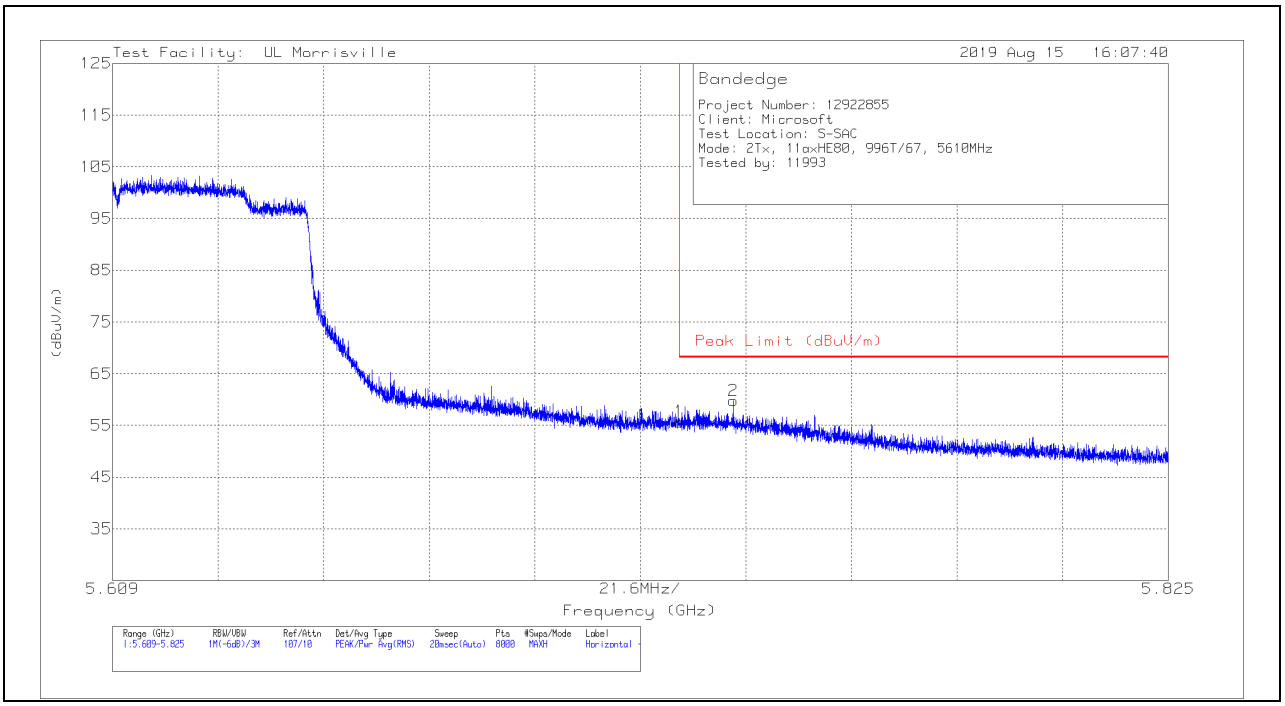


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	52.34	Pk	34.5	-23.4	63.44	-	-	74	-10.56	44	225	V
2	* ** 5.44926	52.03	Pk	34.5	-23.4	63.13	-	-	74	-10.87	44	225	V
5	* ** 5.45998	40.91	RMS	34.5	-23.4	52.01	54	-1.99	-	-	44	225	V
6	* ** 5.45993	41.44	RMS	34.5	-23.4	52.54	54	-1.46	-	-	44	225	V
4	5.46922	54.16	Pk	34.5	-23.5	65.16	-	-	68.2	-3.04	44	225	V
8	5.4695	43.1	RMS	34.5	-23.5	54.1	-	-	-	-	44	225	V
3	5.46998	51.34	Pk	34.5	-23.5	62.34	-	-	68.2	-5.86	44	225	V
7	5.46998	42.98	RMS	34.5	-23.5	53.98	-	-	-	-	44	225	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

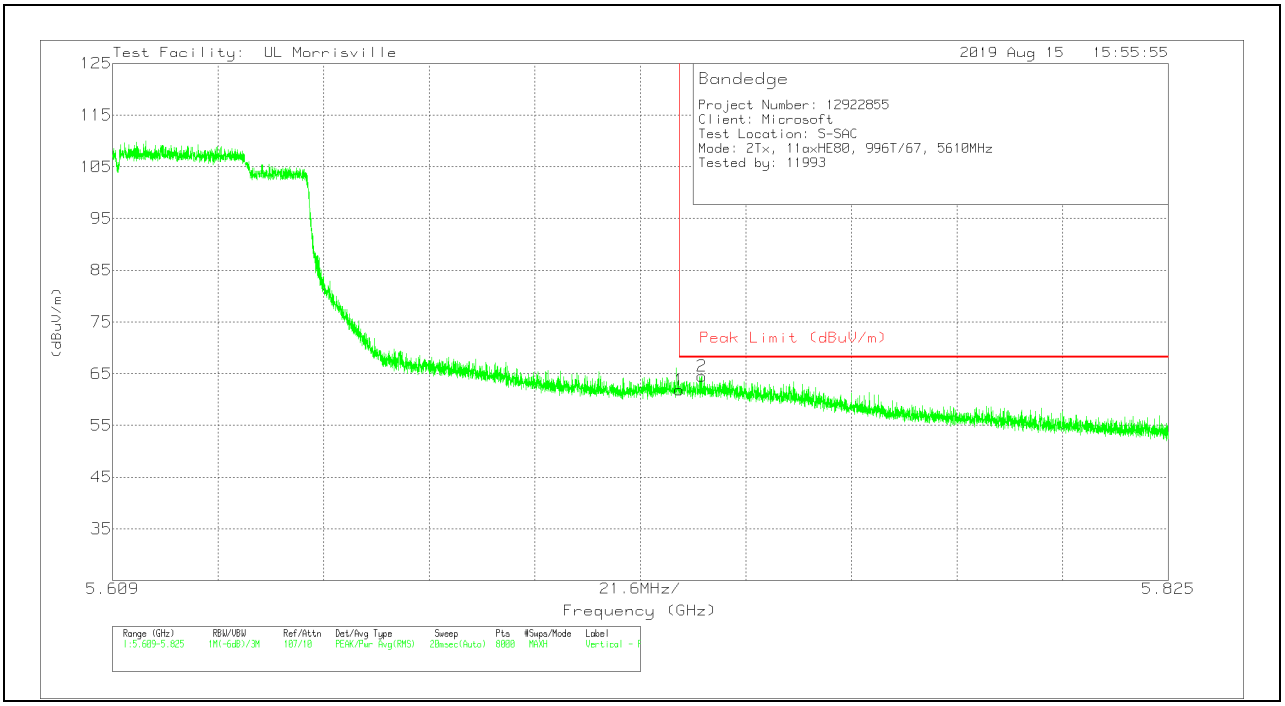
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	44.29	Pk	34.7	-23.3	55.69	68.2	-12.51	54	321	H
2	5.73602	48.39	Pk	34.7	-23.3	59.79	68.2	-8.41	54	321	H

Pk - Peak detector

VERTICAL RESULT



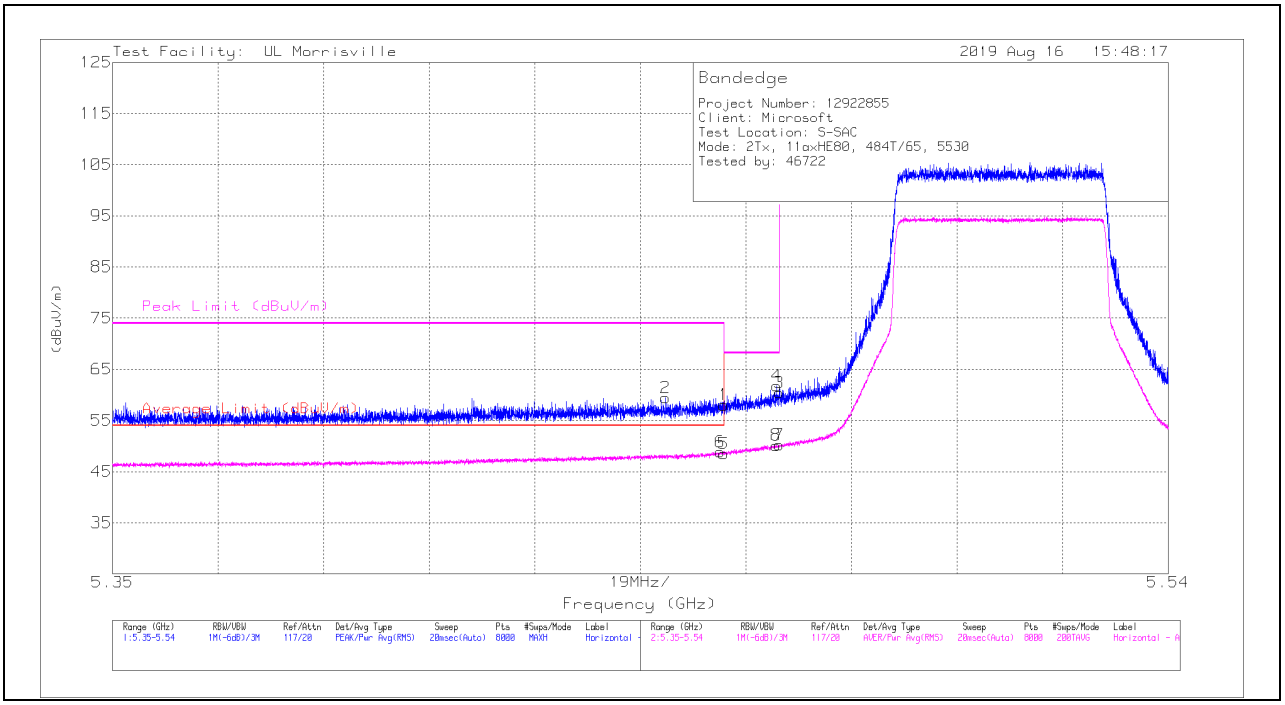
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	50.47	Pk	34.7	-23.3	61.87	68.2	-6.33	346	218	V
2	5.72957	53.13	Pk	34.7	-23.3	64.53	68.2	-3.67	346	218	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 65

BANDEDGE (LOW CHANNEL)

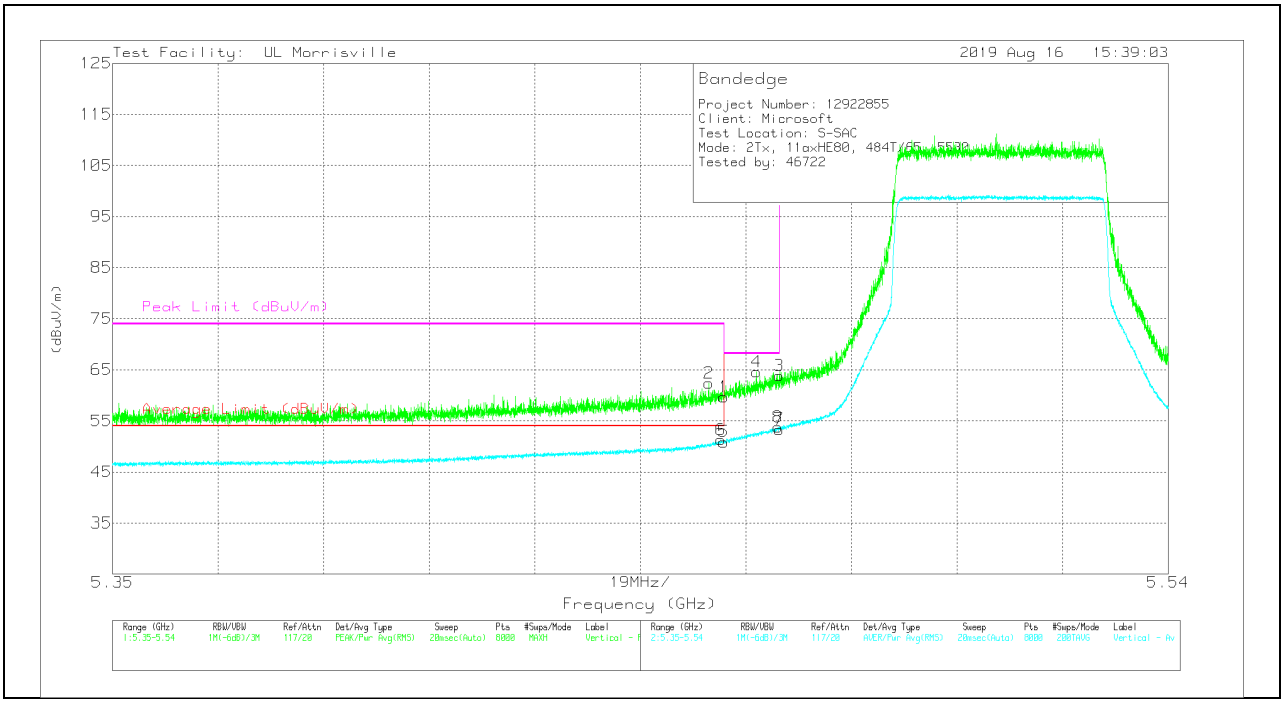
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.93	Pk	34.5	-23.4	58.03	-	-	74	-15.97	23	383	H
2	* ** 5.4495	48.22	Pk	34.5	-23.3	59.42	-	-	74	-14.58	23	383	H
5	* ** 5.45998	37.37	RMS	34.5	-23.4	48.47	54	-5.53	-	-	23	383	H
6	* ** 5.45938	37.73	RMS	34.5	-23.4	48.83	54	-5.17	-	-	23	383	H
8	5.46943	39.15	RMS	34.5	-23.5	50.15	-	-	-	-	23	383	H
4	5.4695	50.75	Pk	34.5	-23.5	61.75	-	-	68.2	-6.45	23	383	H
3	5.46998	49.41	Pk	34.5	-23.5	60.41	-	-	68.2	-7.79	23	383	H
7	5.46998	39.19	RMS	34.5	-23.5	50.19	-	-	-	-	23	383	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



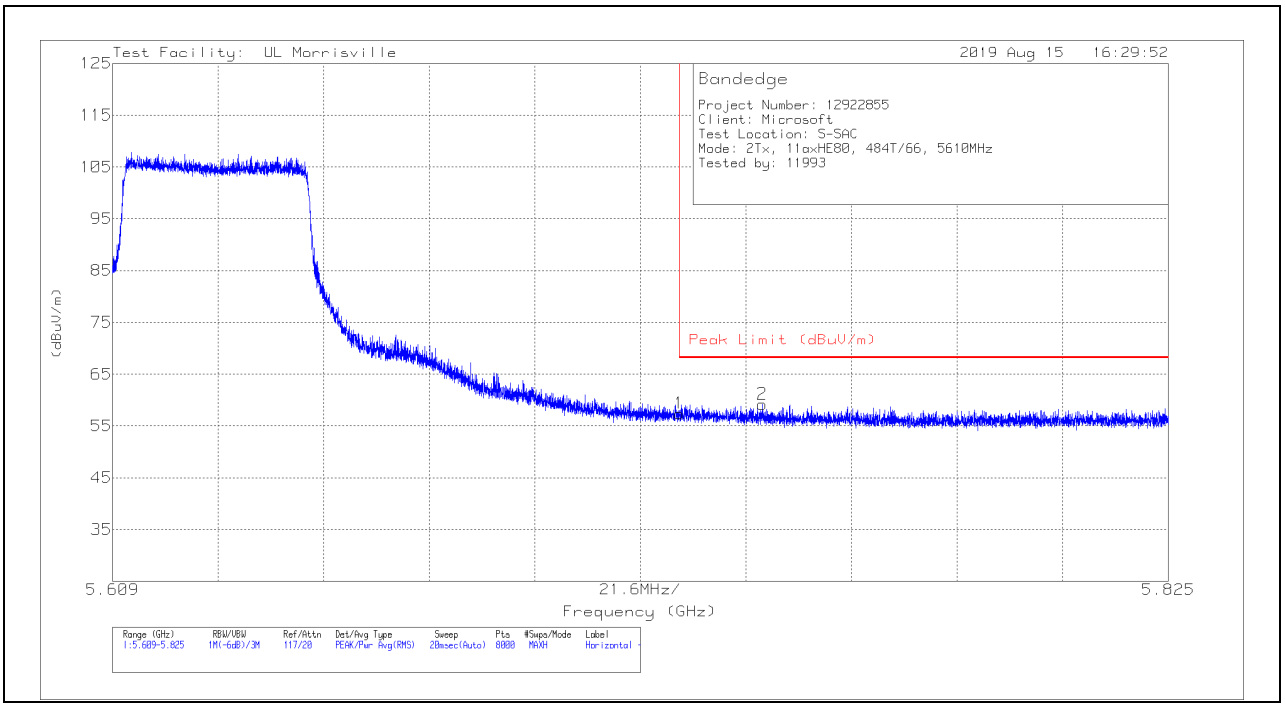
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	48.57	Pk	34.5	-23.4	59.67	-	-	74	-14.33	16	259	V
2	* ** 5.45727	51.28	Pk	34.5	-23.4	62.38	-	-	74	-11.62	16	259	V
5	* ** 5.45998	39.8	RMS	34.5	-23.4	50.9	54	-3.1	-	-	16	259	V
6	* ** 5.45943	40.19	RMS	34.5	-23.4	51.29	54	-2.71	-	-	16	259	V
4	5.46587	53.62	Pk	34.5	-23.5	64.62	-	-	68.2	-3.58	16	259	V
8	5.46979	42.79	RMS	34.5	-23.5	53.79	-	-	-	-	16	259	V
3	5.46998	52.84	Pk	34.5	-23.5	63.84	-	-	68.2	-4.36	16	259	V
7	5.46998	42.35	RMS	34.5	-23.5	53.35	-	-	-	-	16	259	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 66

BANDEDGE (HIGH CHANNEL)

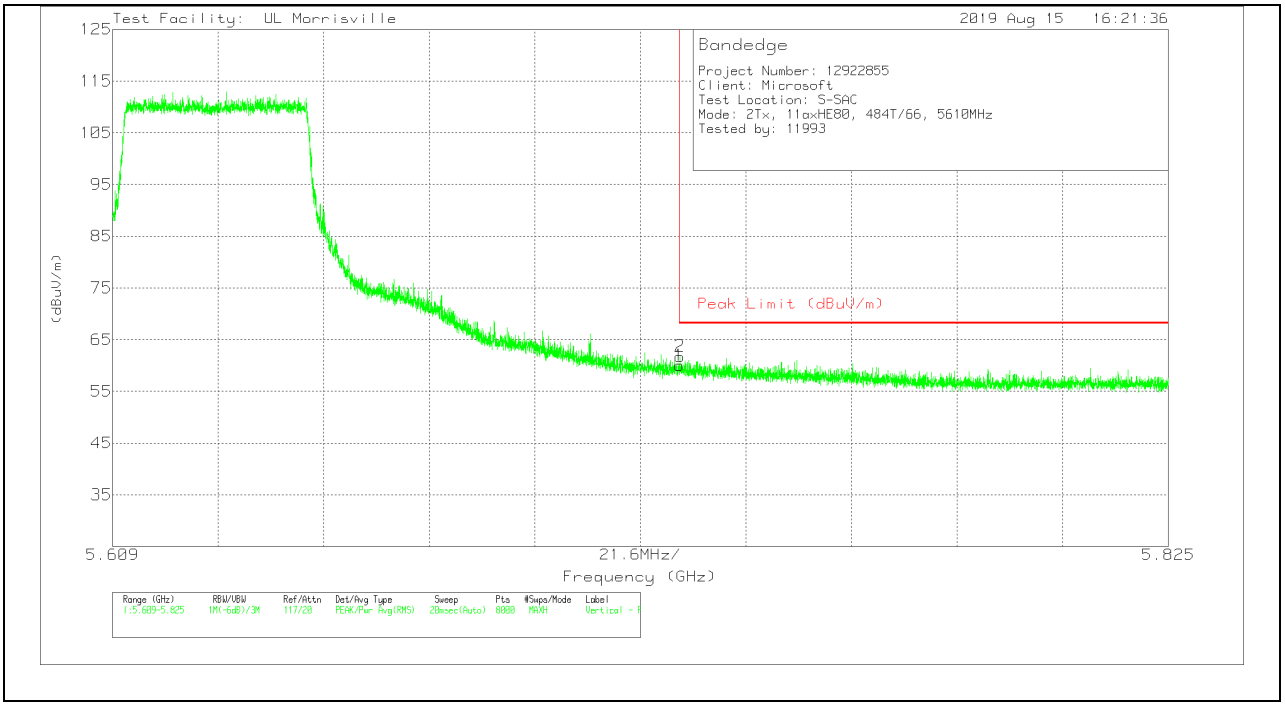
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	46.01	Pk	34.7	-23.3	57.41	68.2	-10.79	64	397	H
2	5.74188	47.92	Pk	34.7	-23.4	59.22	68.2	-8.98	64	397	H

Pk - Peak detector

VERTICAL RESULT



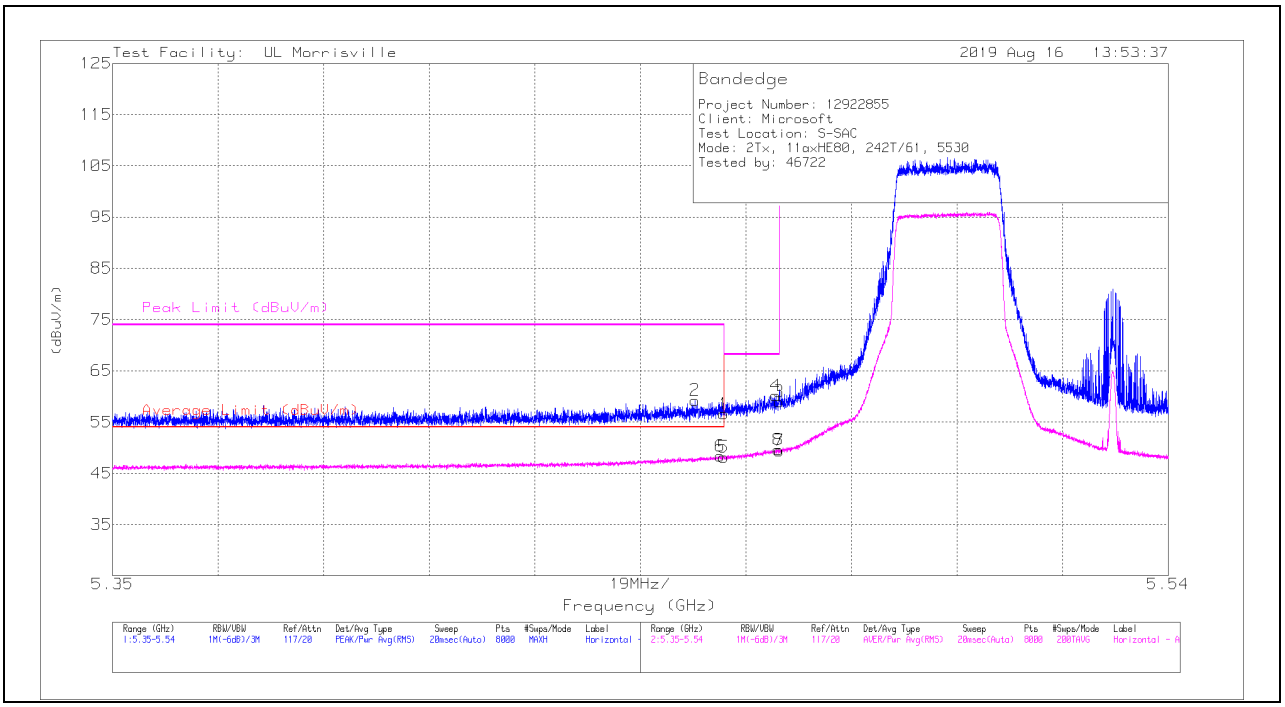
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	48.6	Pk	34.7	-23.3	60	68.2	-8.2	1	235	V
2	5.72506	50.37	Pk	34.7	-23.3	61.77	68.2	-6.43	1	235	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

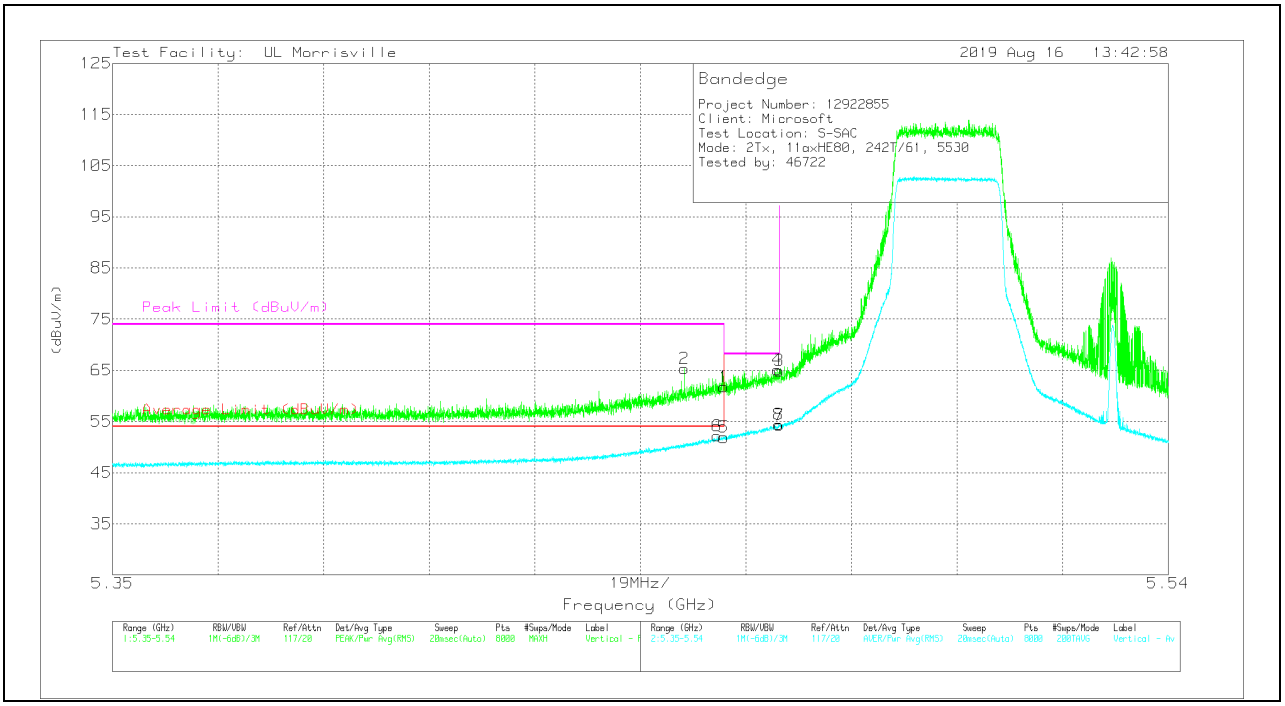
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.51	Pk	34.5	-23.4	56.61	-	-	74	-17.39	318	223	H
2	* ** 5.4548	48.14	Pk	34.5	-23.4	59.24	-	-	74	-14.76	318	223	H
5	* ** 5.45998	37.07	RMS	34.5	-23.4	48.17	54	-5.83	-	-	318	223	H
6	* ** 5.45936	37.27	RMS	34.5	-23.4	48.37	54	-5.63	-	-	318	223	H
4	5.46936	49.19	Pk	34.5	-23.5	60.19	-	-	68.2	-8.01	318	223	H
8	5.46981	38.57	RMS	34.5	-23.5	49.57	-	-	-	-	318	223	H
3	5.46998	47.98	Pk	34.5	-23.5	58.98	-	-	68.2	-9.22	318	223	H
7	5.46998	38.43	RMS	34.5	-23.5	49.43	-	-	-	-	318	223	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



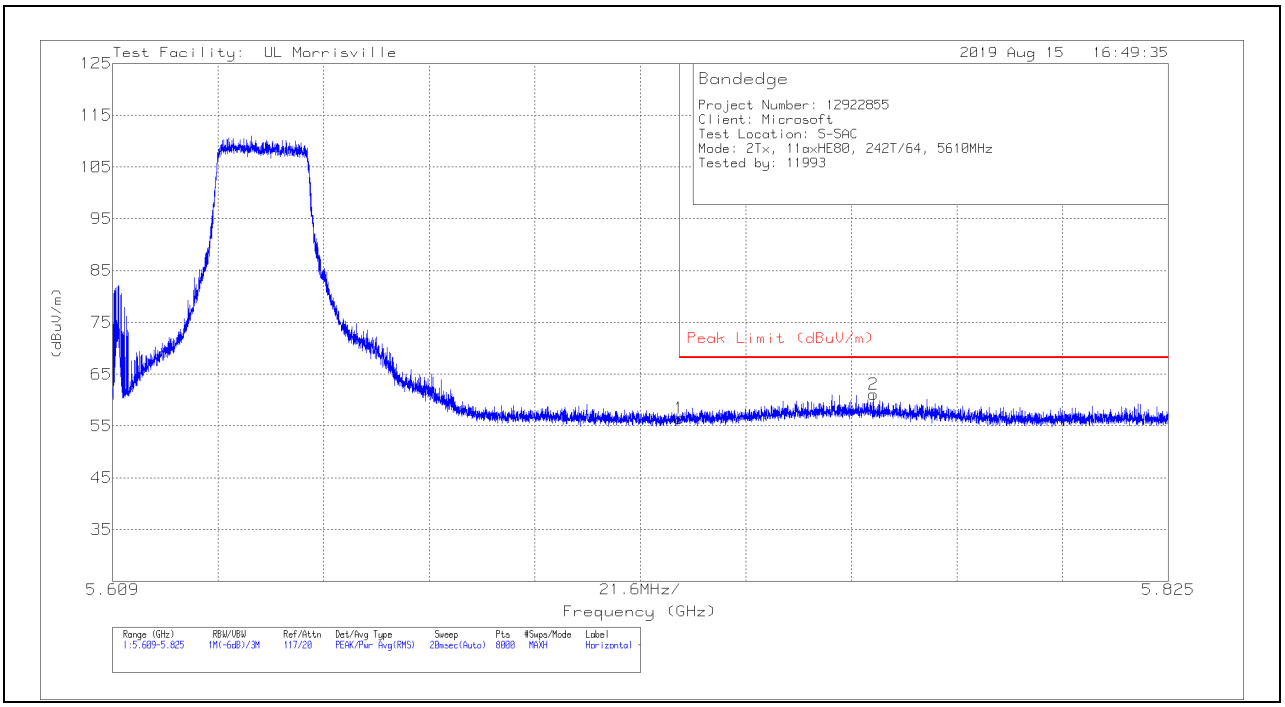
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	50.66	Pk	34.5	-23.4	61.76	-	-	74	-12.24	11	223	V
2	* ** 5.4529	54.12	Pk	34.5	-23.3	65.32	-	-	74	-8.68	11	223	V
5	* ** 5.45998	40.79	RMS	34.5	-23.4	51.89	54	-2.11	-	-	11	223	V
6	* ** 5.45877	41.06	RMS	34.5	-23.4	52.16	54	-1.84	-	-	11	223	V
4	5.4696	54.08	Pk	34.5	-23.5	65.08	-	-	68.2	-3.12	11	223	V
8	5.46988	43.4	RMS	34.5	-23.5	54.4	-	-	-	-	11	223	V
3	5.46998	53.92	Pk	34.5	-23.5	64.92	-	-	68.2	-3.28	11	223	V
7	5.46998	43.27	RMS	34.5	-23.5	54.27	-	-	-	-	11	223	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 64

BANDEDGE (HIGH CHANNEL)

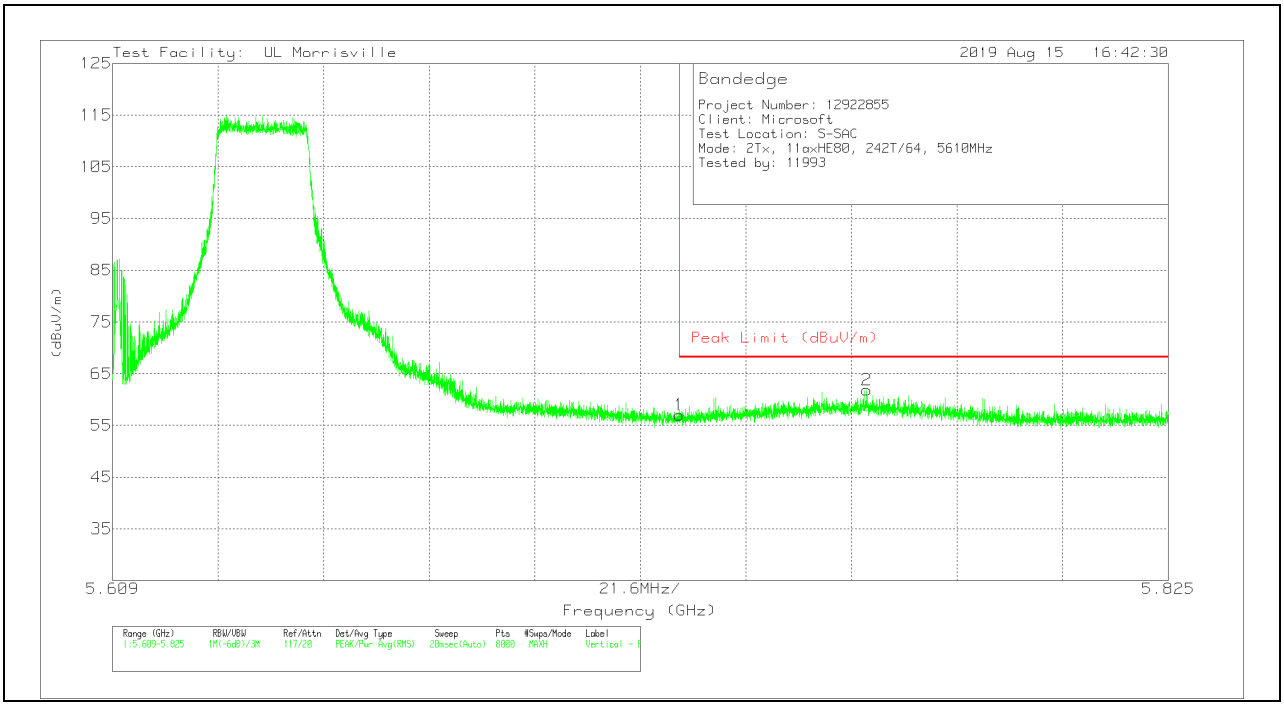
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	45.13	Pk	34.7	-23.3	56.53	68.2	-11.67	60	387	H
2	5.7647	49.55	Pk	34.8	-23.2	61.15	68.2	-7.05	60	387	H

Pk - Peak detector

VERTICAL RESULT



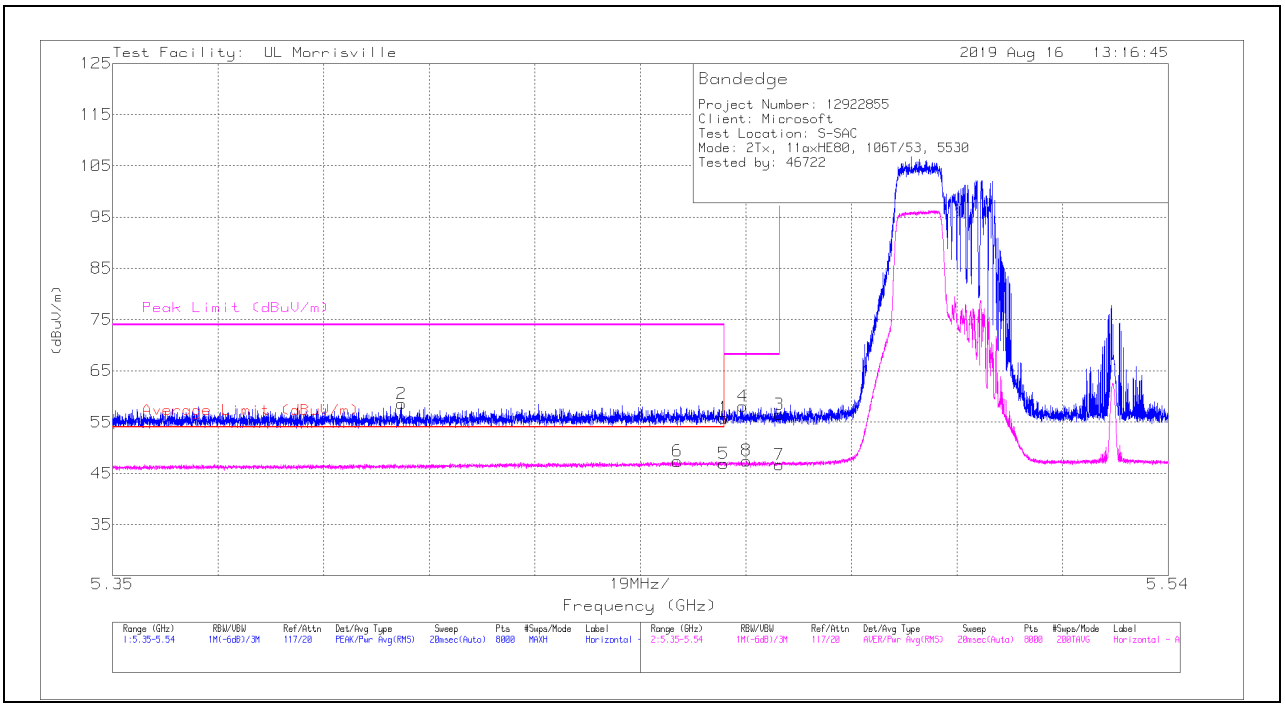
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	45.62	Pk	34.7	-23.3	57.02	68.2	-11.18	44	212	V
2	5.76332	50.22	Pk	34.8	-23.2	61.82	68.2	-6.38	44	212	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 53

BANDEDGE (LOW CHANNEL)

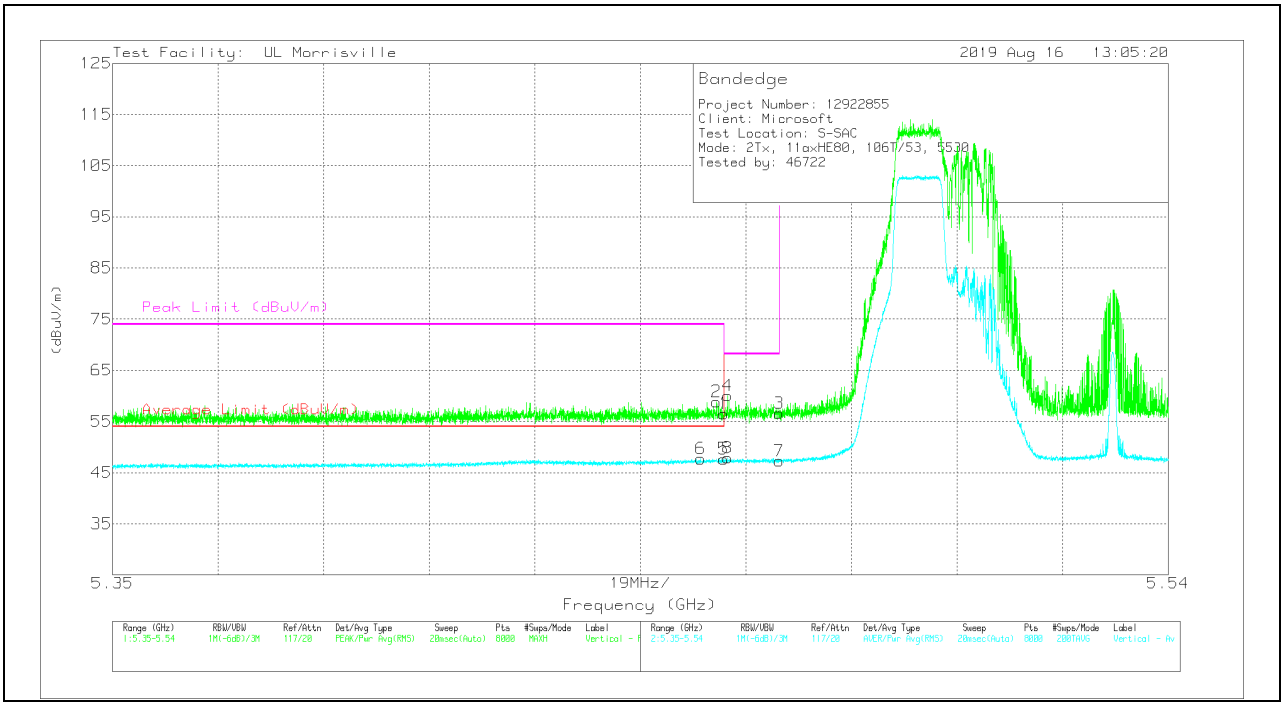
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	44.73	Pk	34.5	-23.4	55.83	-	-	74	-18.17	327	302	H
2	* ** 5.40197	47.46	Pk	34.4	-23.3	58.56	-	-	74	-15.44	327	302	H
5	* ** 5.45998	35.8	RMS	34.5	-23.4	46.9	54	-7.1	-	-	327	302	H
6	* ** 5.45166	36.14	RMS	34.5	-23.3	47.34	54	-6.66	-	-	327	302	H
4	5.46342	47	Pk	34.5	-23.4	58.1	-	-	68.2	-10.1	327	302	H
8	5.46413	36.35	RMS	34.5	-23.4	47.45	-	-	-	-	327	302	H
3	5.46998	45.47	Pk	34.5	-23.5	56.47	-	-	68.2	-11.73	327	302	H
7	5.46998	35.66	RMS	34.5	-23.5	46.66	-	-	-	-	327	302	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



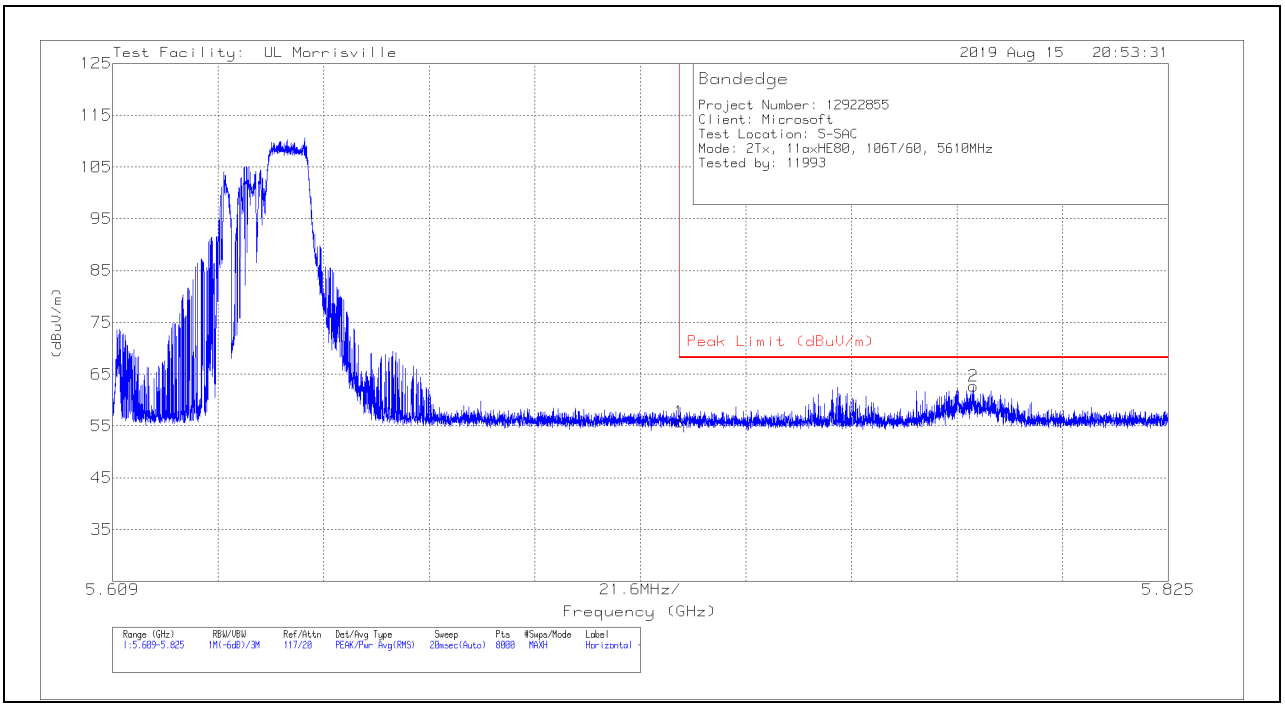
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.43	Pk	34.5	-23.4	56.53	-	-	74	-17.47	11	224	V
2	* ** 5.45869	47.76	Pk	34.5	-23.4	58.86	-	-	74	-15.14	11	224	V
5	* ** 5.45998	36.58	RMS	34.5	-23.4	47.68	54	-6.32	-	-	11	224	V
6	* ** 5.4558	36.62	RMS	34.5	-23.4	47.72	54	-6.28	-	-	11	224	V
4	5.46071	48.92	Pk	34.5	-23.4	60.02	-	-	68.2	-8.18	11	224	V
8	5.46071	36.78	RMS	34.5	-23.4	47.88	-	-	-	-	11	224	V
3	5.46998	45.63	Pk	34.5	-23.5	56.63	-	-	68.2	-11.57	11	224	V
7	5.46998	36.3	RMS	34.5	-23.5	47.3	-	-	-	-	11	224	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 60

BANDEDGE (HIGH CHANNEL)

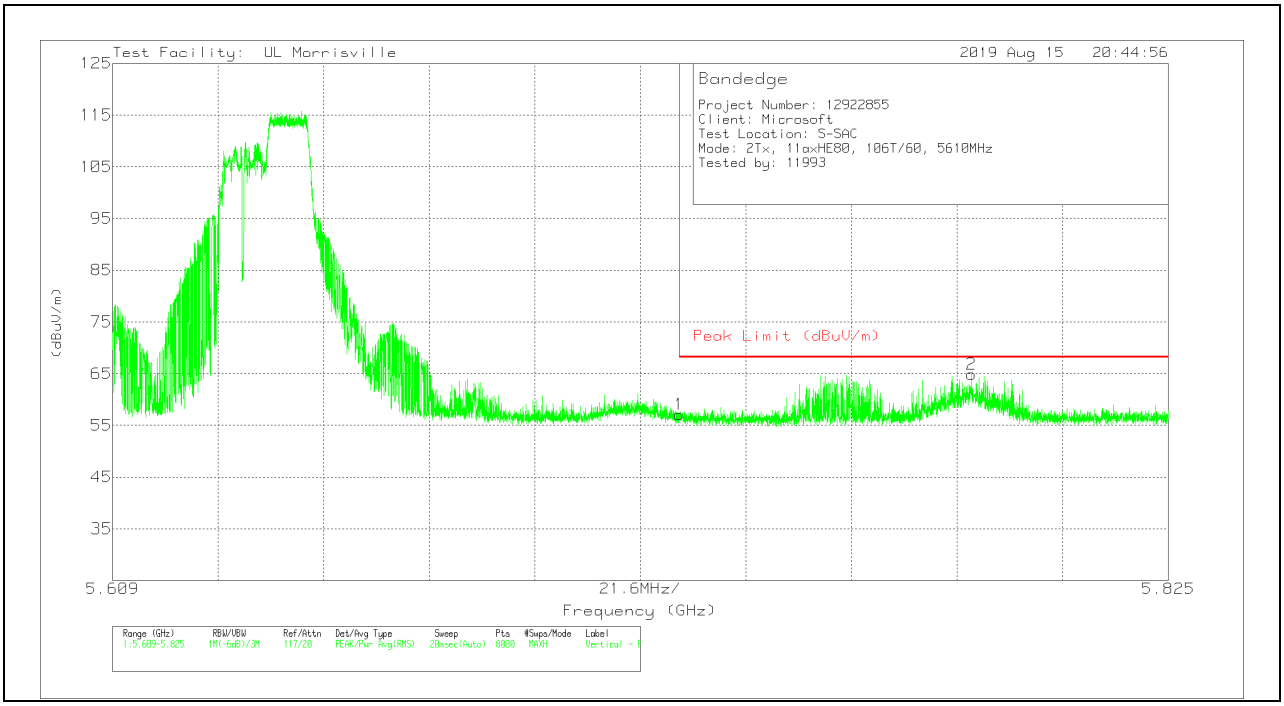
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	44.36	Pk	34.7	-23.3	55.76	68.2	-12.44	69	389	H
2	5.78509	51.17	Pk	34.8	-23.3	62.67	68.2	-5.53	69	389	H

Pk - Peak detector

VERTICAL RESULT



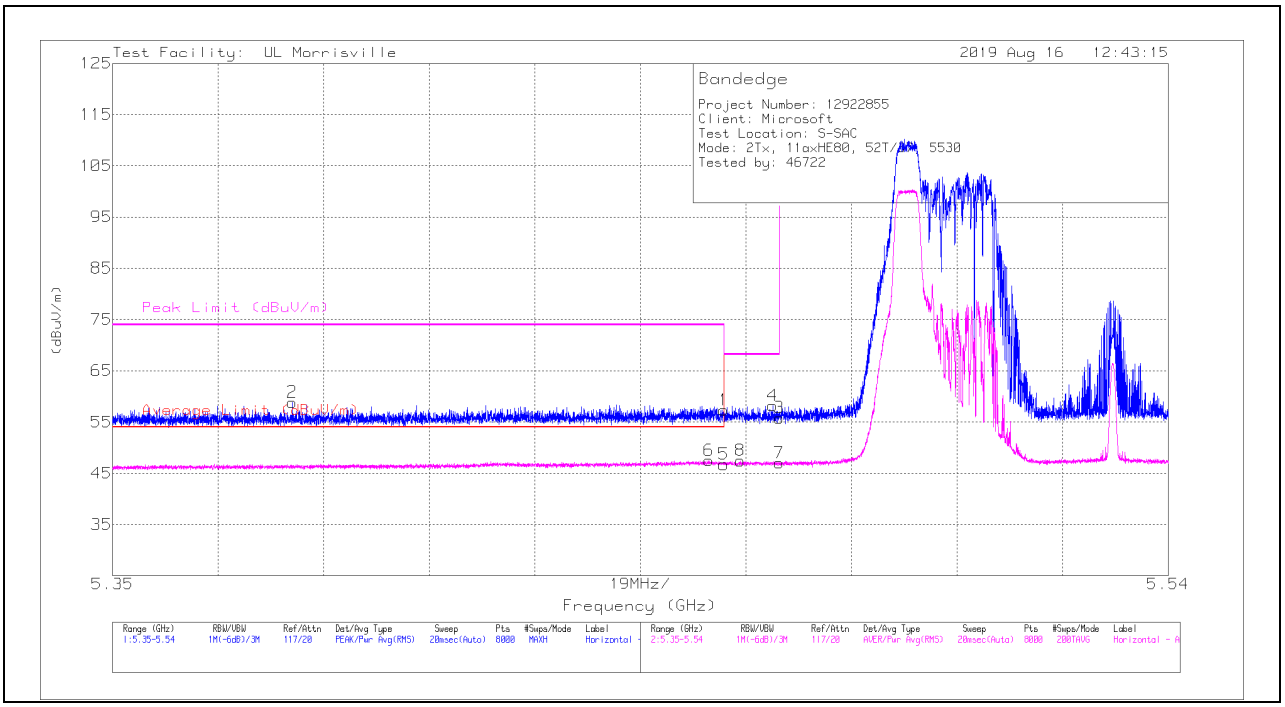
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	45.72	Pk	34.7	-23.3	57.12	68.2	-11.08	90	226	V
2	5.78474	53.41	Pk	34.8	-23.3	64.91	68.2	-3.29	90	226	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 37

BANDEDGE (LOW CHANNEL)

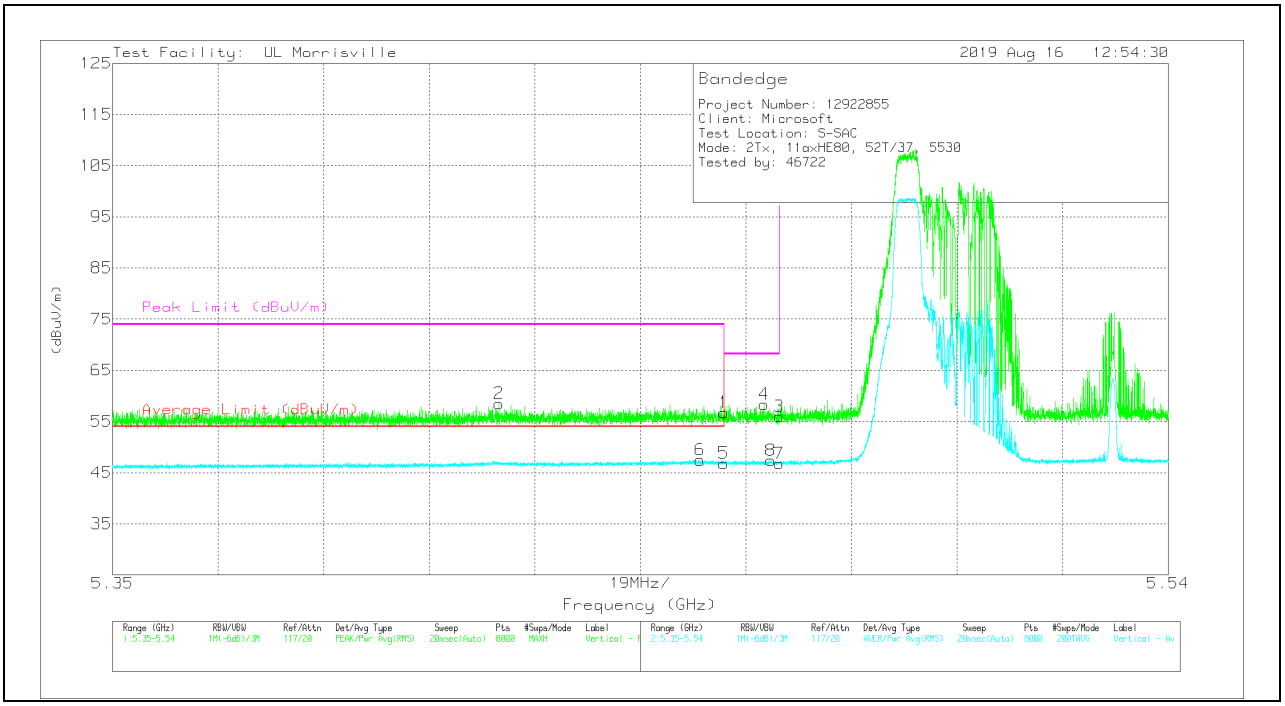
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.27	Pk	34.5	-23.4	57.37	-	-	74	-16.63	29	392	H
2	* ** 5.3823	47.66	Pk	34.4	-23.2	58.86	-	-	74	-15.14	29	392	H
5	* ** 5.45998	35.63	RMS	34.5	-23.4	46.73	54	-7.27	-	-	29	392	H
6	* ** 5.45732	36.41	RMS	34.5	-23.4	47.51	54	-6.49	-	-	29	392	H
8	5.46295	36.36	RMS	34.5	-23.4	47.46	-	-	-	-	29	392	H
4	5.46879	47.18	Pk	34.5	-23.5	58.18	-	-	68.2	-10.02	29	392	H
3	5.46998	44.81	Pk	34.5	-23.5	55.81	-	-	68.2	-12.39	29	392	H
7	5.46998	36.02	RMS	34.5	-23.5	47.02	-	-	-	-	29	392	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



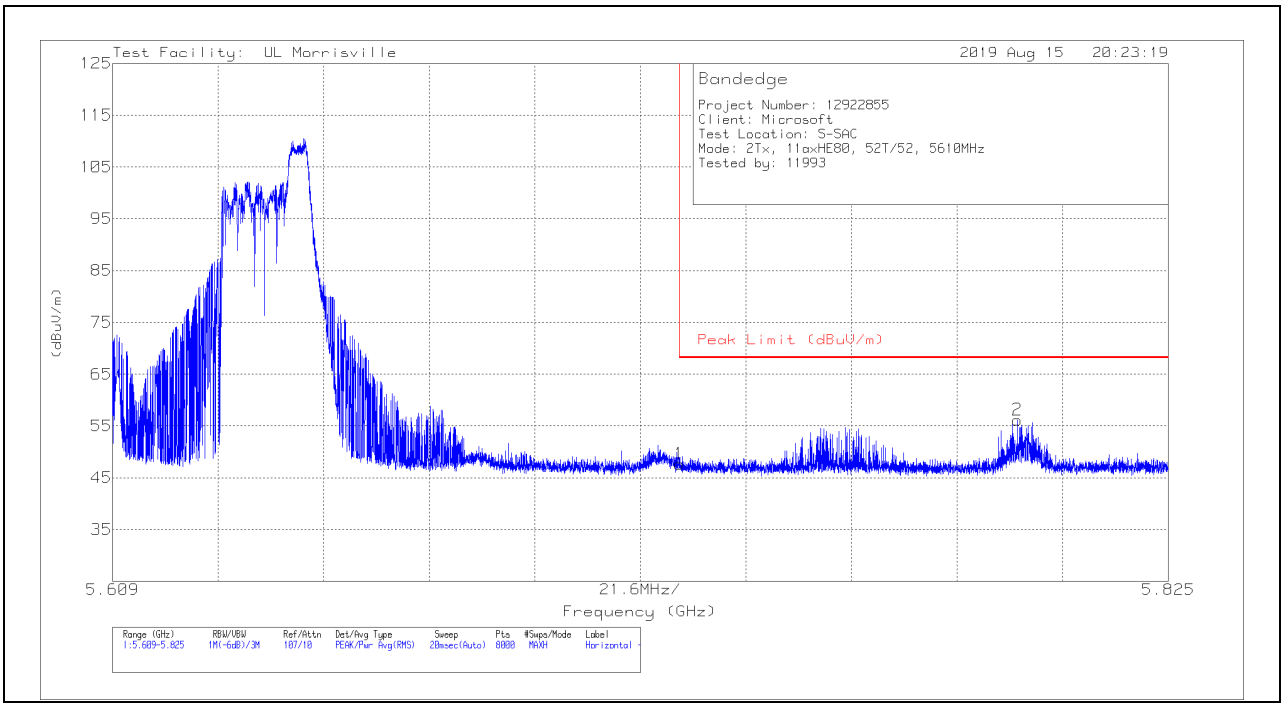
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.67	Pk	34.5	-23.4	56.77	-	-	74	-17.23	66	262	V
2	* ** 5.41955	47.4	Pk	34.4	-23.3	58.5	-	-	74	-15.5	66	262	V
5	* ** 5.45998	35.73	RMS	34.5	-23.4	46.83	54	-7.17	-	-	66	262	V
6	* ** 5.45573	36.36	RMS	34.5	-23.4	47.46	54	-6.54	-	-	66	262	V
4	5.46722	47.37	Pk	34.5	-23.5	58.37	-	-	68.2	-9.83	66	262	V
8	5.46846	36.4	RMS	34.5	-23.5	47.4	-	-	-	-	66	262	V
3	5.46998	45.01	Pk	34.5	-23.5	56.01	-	-	68.2	-12.19	66	262	V
7	5.46998	35.78	RMS	34.5	-23.5	46.78	-	-	-	-	66	262	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 52

BANDEDGE (HIGH CHANNEL)

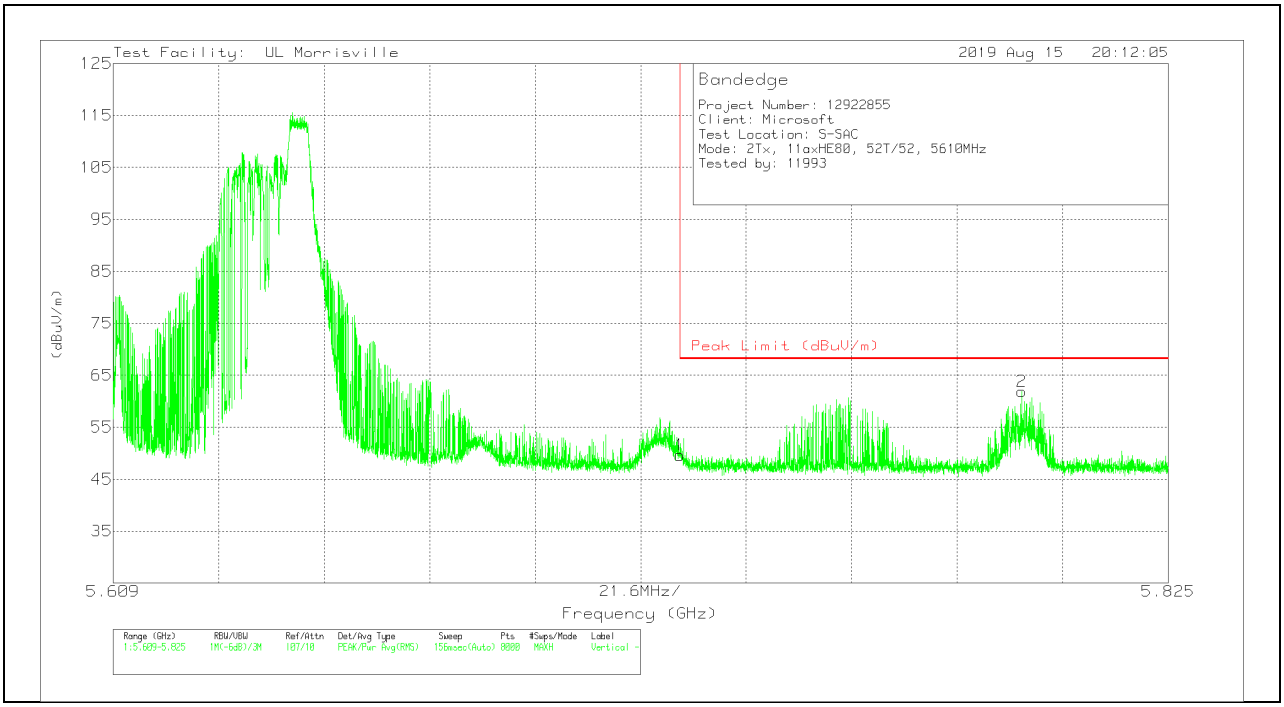
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	36.28	Pk	34.7	-23.3	47.68	68.2	-20.52	32	366	H
2	5.79413	44.59	Pk	34.9	-23.3	56.19	68.2	-12.01	32	366	H

Pk - Peak detector

VERTICAL RESULT



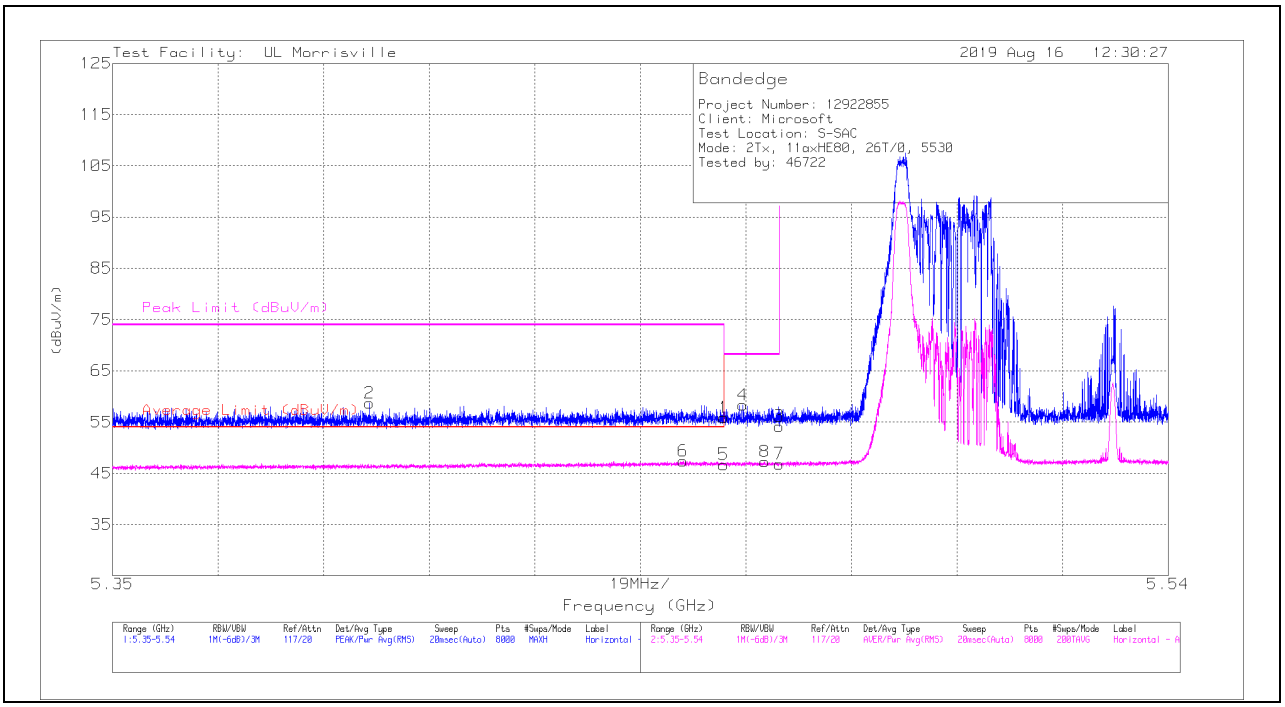
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	38.23	Pk	34.7	-23.3	49.63	68.2	-18.57	18	229	V
2	5.795	50.26	Pk	34.9	-23.3	61.86	68.2	-6.34	18	229	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

BANDEDGE (LOW CHANNEL)

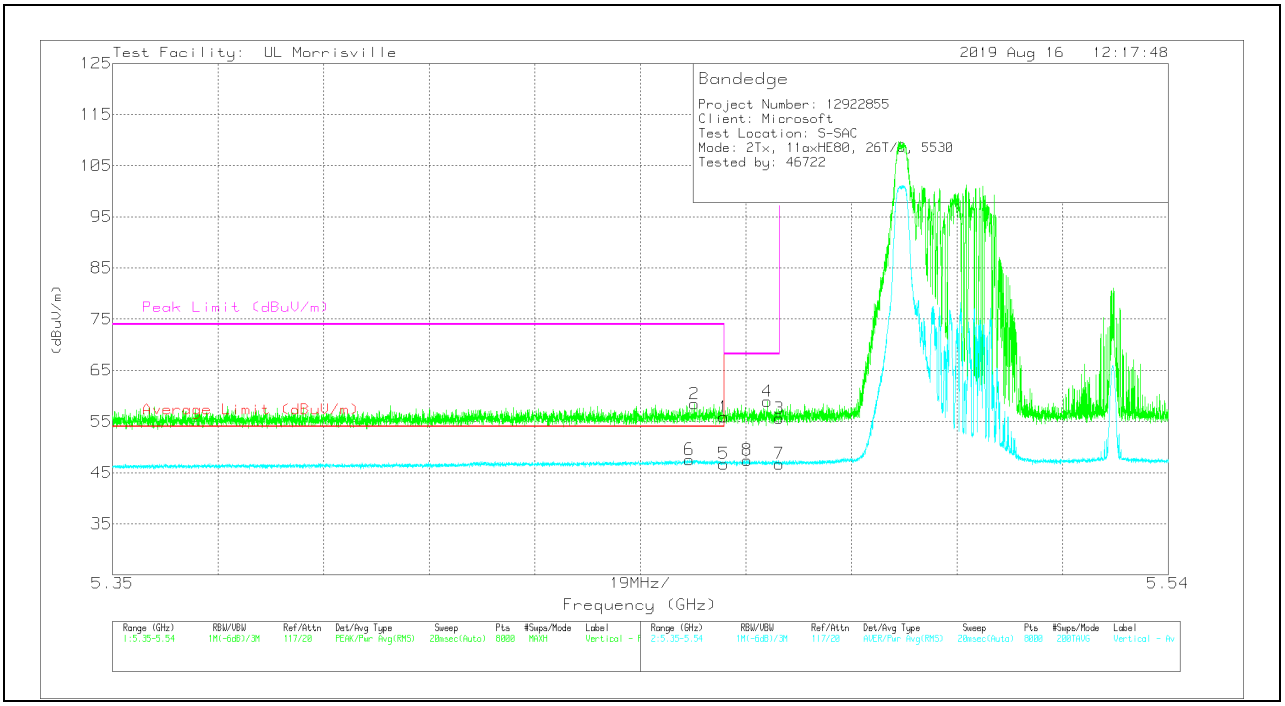
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	44.79	Pk	34.5	-23.4	55.89	-	-	74	-18.11	60	371	H
2	* ** 5.39622	47.57	Pk	34.4	-23.3	58.67	-	-	74	-15.33	60	371	H
5	* ** 5.45998	35.59	RMS	34.5	-23.4	46.69	54	-7.31	-	-	60	371	H
6	* ** 5.45268	36.19	RMS	34.5	-23.3	47.39	54	-6.61	-	-	60	371	H
4	5.46344	47.22	Pk	34.5	-23.4	58.32	-	-	68.2	-9.88	60	371	H
8	5.46734	36.27	RMS	34.5	-23.5	47.27	-	-	-	-	60	371	H
3	5.46998	43.21	Pk	34.5	-23.5	54.21	-	-	68.2	-13.99	60	371	H
7	5.46998	35.82	RMS	34.5	-23.5	46.82	-	-	-	-	60	371	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	44.77	Pk	34.5	-23.4	55.87	-	-	74	-18.13	61	261	V
2	* ** 5.4547	47.36	Pk	34.5	-23.4	58.46	-	-	74	-15.54	61	261	V
5	* ** 5.45998	35.62	RMS	34.5	-23.4	46.72	54	-7.28	-	-	61	261	V
6	* ** 5.4538	36.35	RMS	34.5	-23.3	47.55	54	-6.45	-	-	61	261	V
8	5.46425	36.34	RMS	34.5	-23.4	47.44	-	-	-	-	61	261	V
4	5.46782	47.93	Pk	34.5	-23.5	58.93	-	-	68.2	-9.27	61	261	V
3	5.46998	44.65	Pk	34.5	-23.5	55.65	-	-	68.2	-12.55	61	261	V
7	5.46998	35.72	RMS	34.5	-23.5	46.72	-	-	-	-	61	261	V

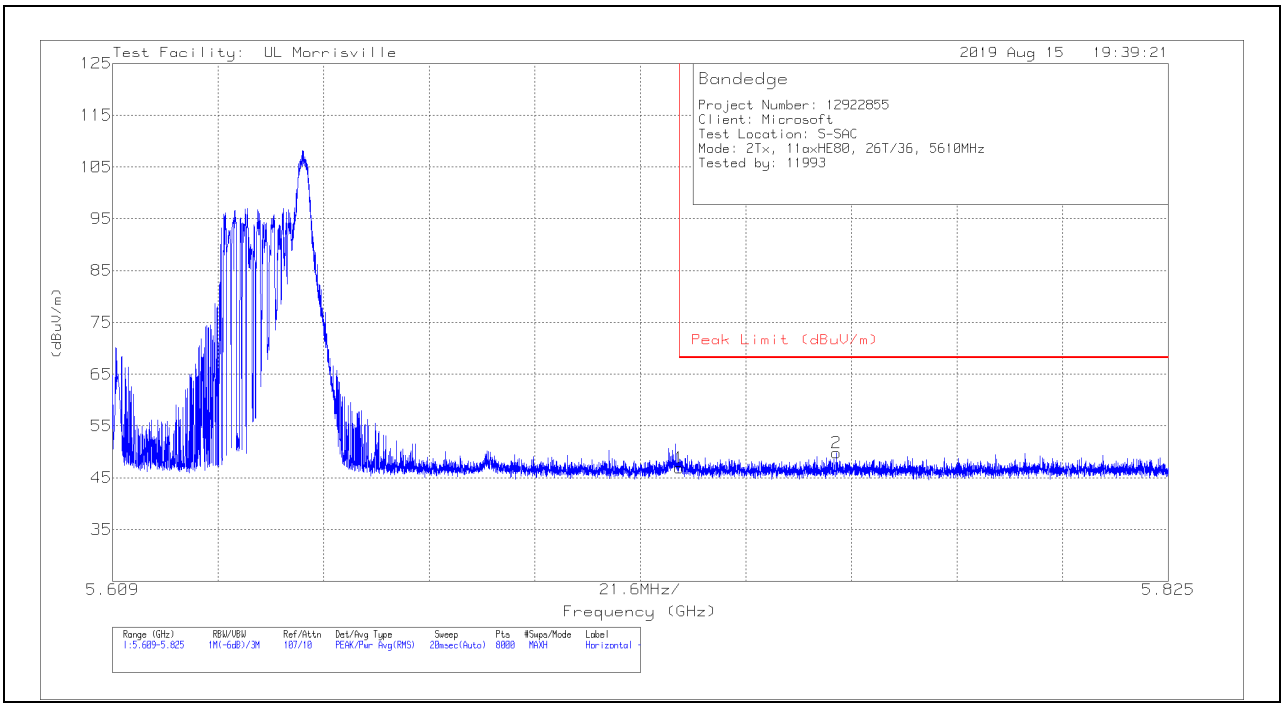
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

UL LLC
12 Laboratory Dr., RTP, NC 27709; USA TEL:(919) 549-1400

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 36

BANDEDGE (HIGH CHANNEL)

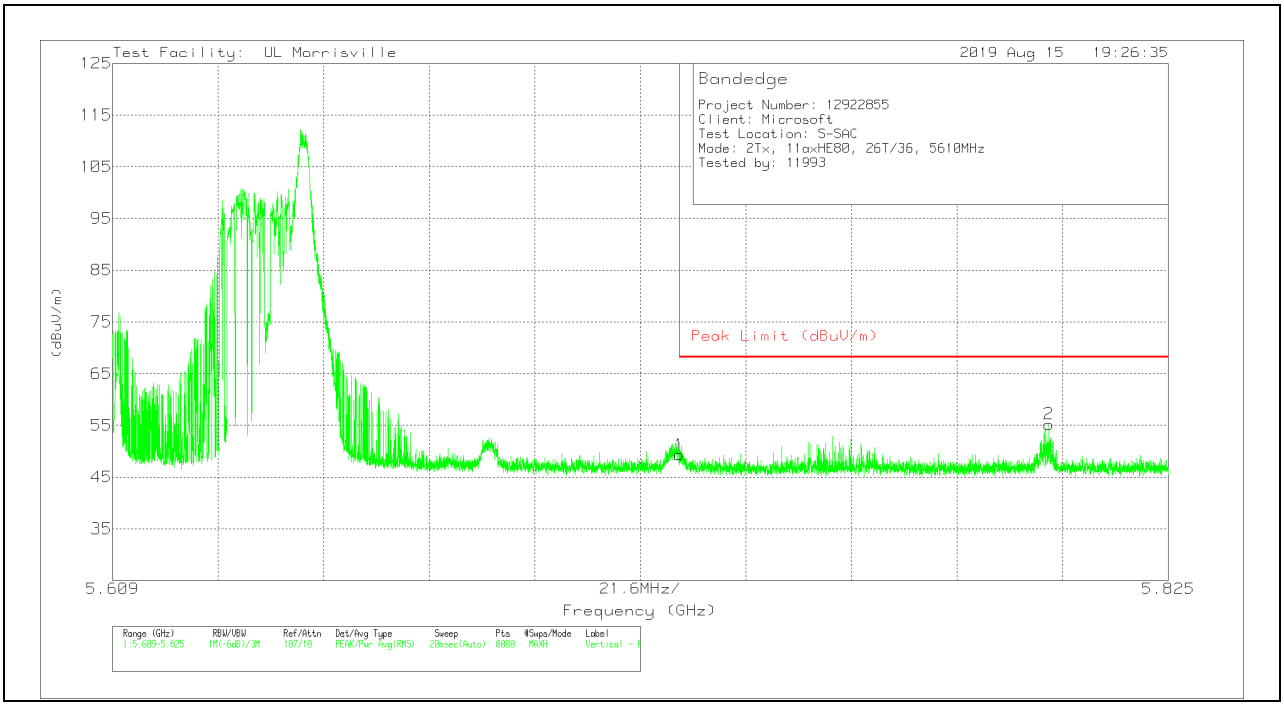
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	35.48	Pk	34.7	-23.3	46.88	68.2	-21.32	314	113	H
2	5.75711	38.23	Pk	34.8	-23.2	49.83	68.2	-18.37	314	113	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	37.89	Pk	34.7	-23.3	49.29	68.2	-18.91	338	202	V
2	5.80059	43.62	Pk	34.9	-23.3	55.22	68.2	-12.98	338	202	V

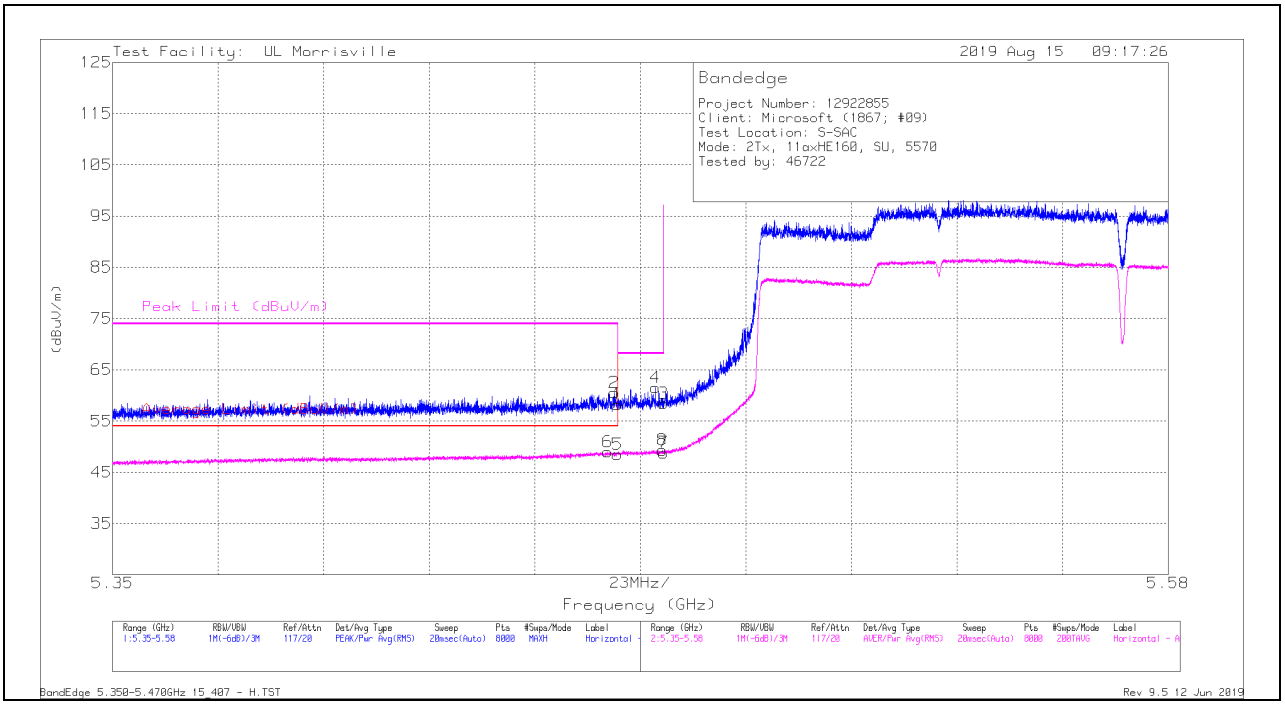
Pk - Peak detector

10.1.4. TX ABOVE 1 GHz 802.11ax HE160 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – SU MODE

BANDEDGE (MID CHANNEL LOW EDGE)

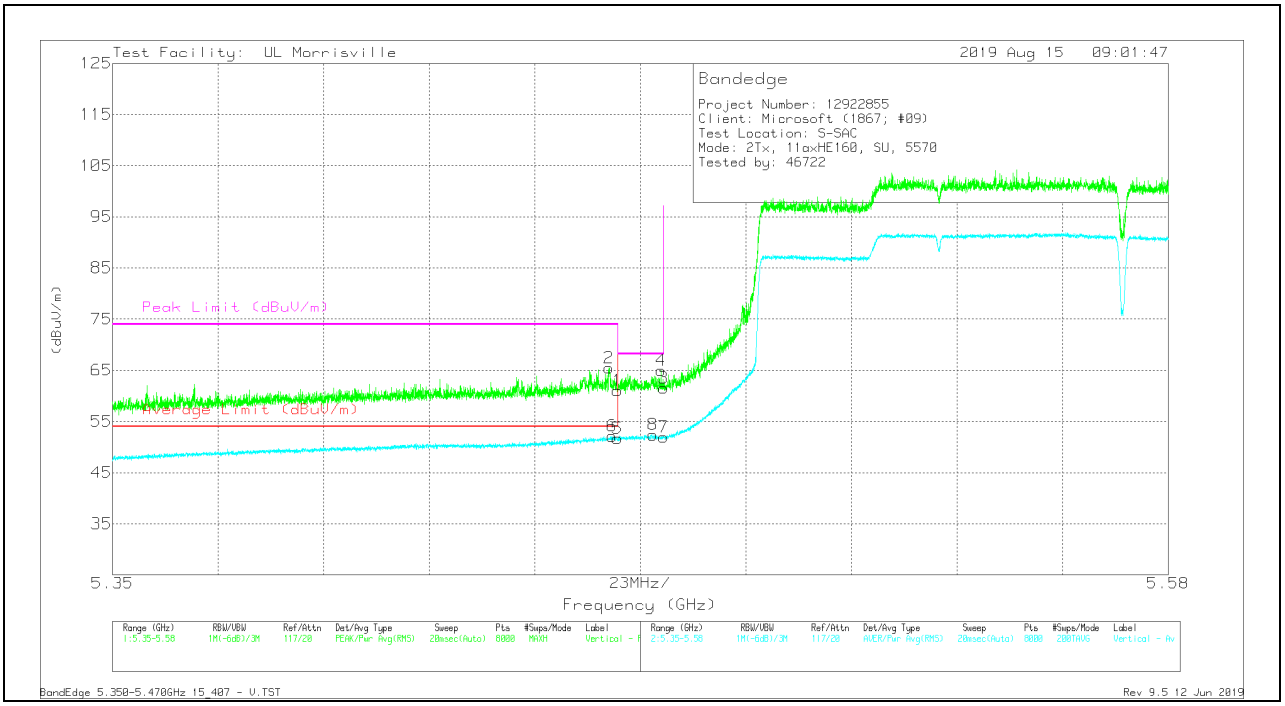
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	47.17	Pk	34.5	-23.4	0	58.27	-	-	74	-15.73	21	372	H
2	* ** 5.45929	49.42	Pk	34.5	-23.4	0	60.52	-	-	74	-13.48	21	372	H
5	* ** 5.45998	37.41	RMS	34.5	-23.4	0.09	48.60	54	-5.40	-	-	21	372	H
6	* ** 5.45789	37.9	RMS	34.5	-23.4	0.09	49.09	54	-4.91	-	-	21	372	H
4	5.46824	50.51	Pk	34.5	-23.5	0	61.51	-	-	68.2	-6.69	21	372	H
8	5.46979	38.31	RMS	34.5	-23.5	0.09	49.40	-	-	-	-	21	372	H
3	5.46999	47.46	Pk	34.5	-23.5	0	58.46	-	-	68.2	-9.74	21	372	H
7	5.46999	37.81	RMS	34.5	-23.5	0.09	48.90	-	-	-	-	21	372	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	49.92	Pk	34.5	-23.4	0	61.02	-	-	74	-12.98	11	212	V
2	* ** 5.45814	54.36	Pk	34.5	-23.4	0	65.46	-	-	74	-8.54	11	212	V
5	* ** 5.45998	40.59	RMS	34.5	-23.4	0.09	51.78	54	-2.22	-	-	11	212	V
6	* ** 5.45881	41.03	RMS	34.5	-23.4	0.09	52.22	54	-1.78	-	-	11	212	V
8	5.46775	41.39	RMS	34.5	-23.5	0.09	52.39	-	-	-	-	11	212	V
4	5.46953	53.99	Pk	34.5	-23.5	0	64.99	-	-	68.2	-3.21	11	212	V
3	5.46999	50.51	Pk	34.5	-23.5	0	61.51	-	-	68.2	-6.69	11	212	V
7	5.46999	40.96	RMS	34.5	-23.5	0.09	51.96	-	-	-	-	11	212	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

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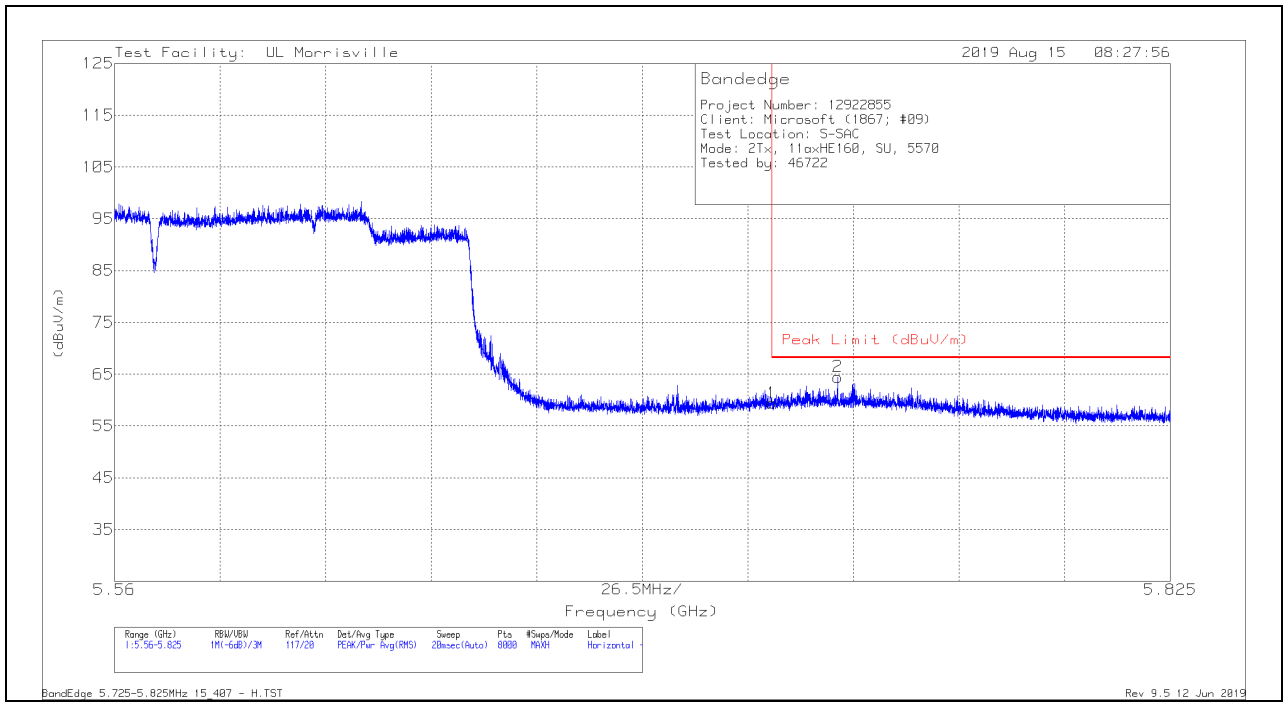
12 Laboratory Dr., RTP, NC 27709; USA TEL:(919) 549-1400

BANDEDGE (MID CHANNEL HIGH EDGE)

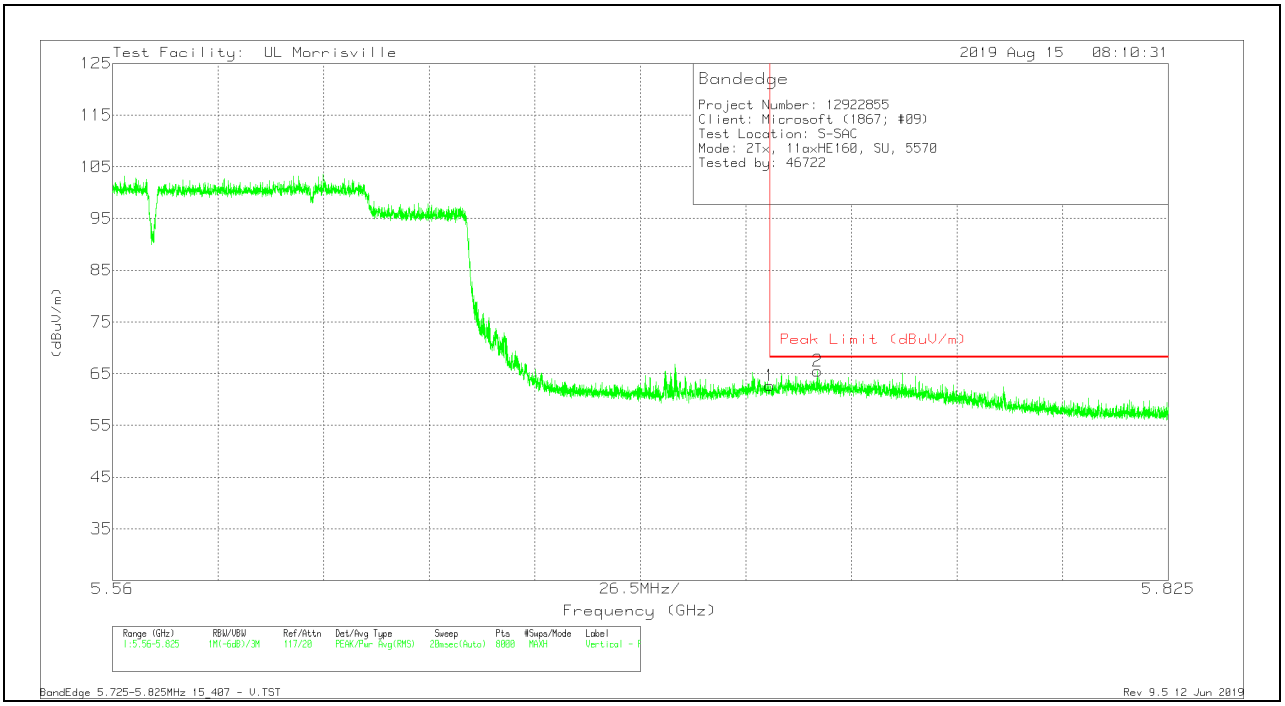
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	47.99	Pk	34.7	-23.3	0	59.39	68.2	-8.81	8	383	H
2	5.74148	53.17	Pk	34.7	-23.4	0	64.47	68.2	-3.73	8	383	H

Pk - Peak detector

VERTICAL RESULT



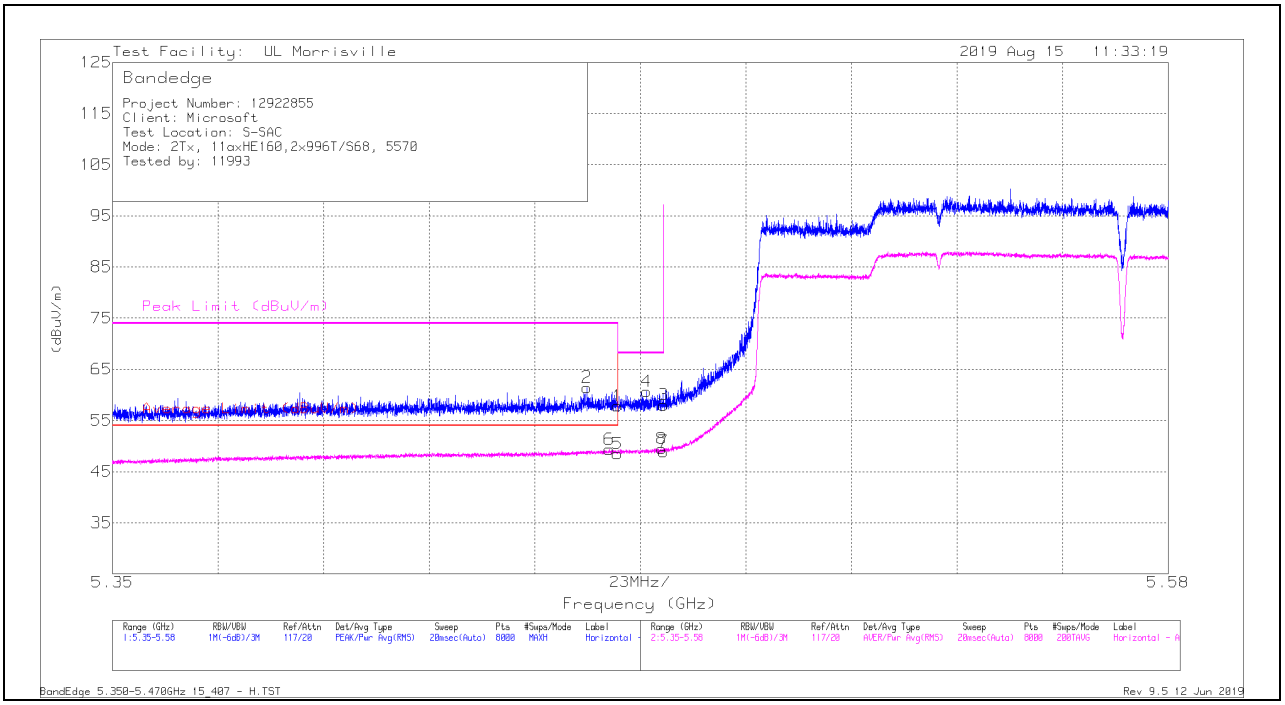
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	51.32	Pk	34.7	-23.3	0	62.72	68.2	-5.48	342	256	V
2	5.73691	54.13	Pk	34.7	-23.3	0	65.53	68.2	-2.67	342	256	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 2x996-Tones, RU Index 68

BANDEDGE (MID CHANNEL LOW EDGE)

HORIZONTAL RESULT

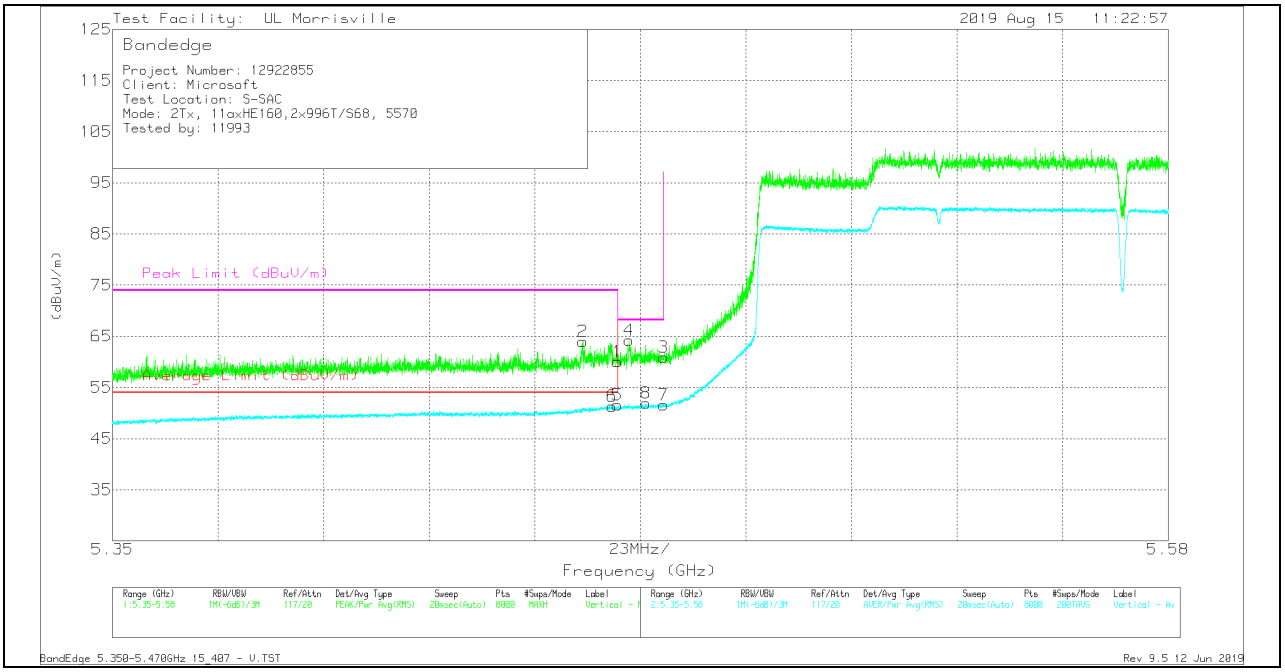


Note – The above plot is 802.11ax HE160, 2x996T RU68

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.73	Pk	34.5	-23.4	57.83	-	-	74	-16.17	23	384	H
2	* ** 5.45337	50.24	Pk	34.5	-23.3	61.44	-	-	74	-12.56	23	384	H
5	* ** 5.45998	37.42	RMS	34.5	-23.4	48.52	54	-5.48	-	-	23	384	H
6	* ** 5.4582	38.28	RMS	34.5	-23.4	49.38	54	-4.62	-	-	23	384	H
4	5.46634	49.63	Pk	34.5	-23.5	60.63	-	-	68.2	-7.57	23	384	H
8	5.46967	38.51	RMS	34.5	-23.5	49.51	-	-	-	-	23	384	H
3	5.46999	47.04	Pk	34.5	-23.5	58.04	-	-	68.2	-10.16	23	384	H
7	5.46999	37.9	RMS	34.5	-23.5	48.9	-	-	-	-	23	384	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



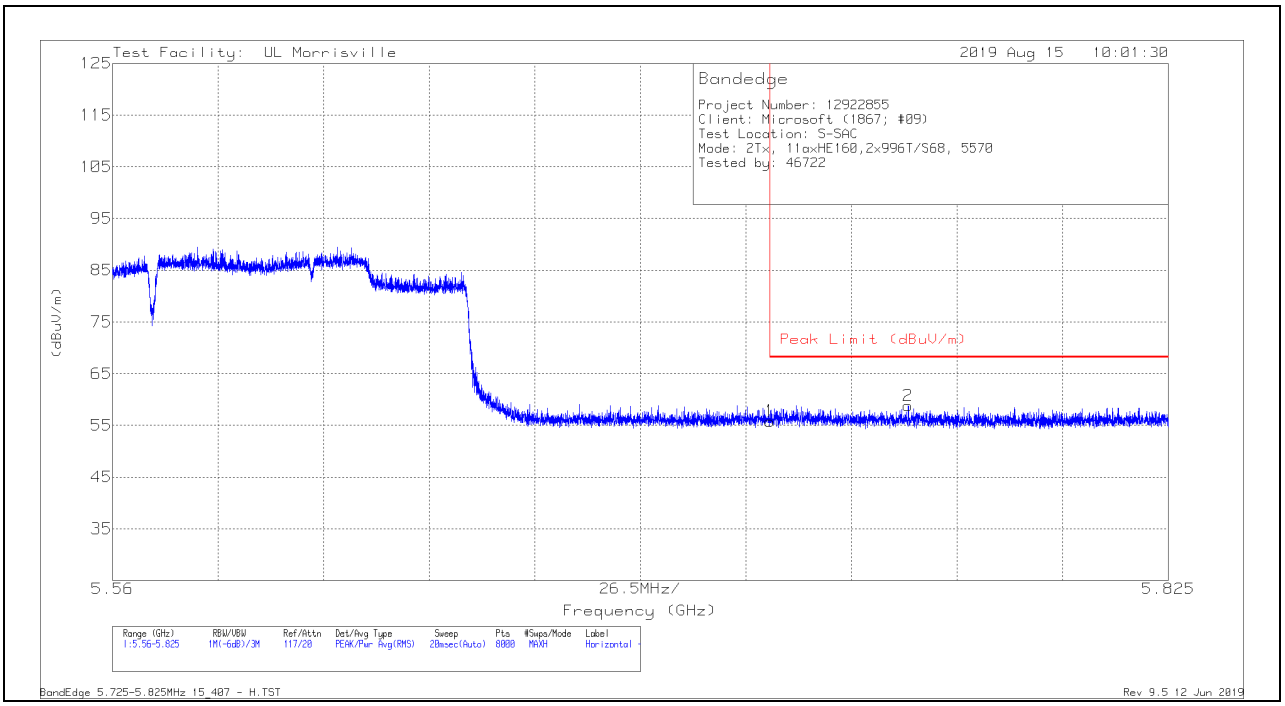
Note – The above plot is 802.11ax HE160, 2x996T RU68

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	48.97	Pk	34.5	-23.4	60.07	-	-	74	-13.93	10	245	V
2	* ** 5.45245	52.75	Pk	34.5	-23.3	63.95	-	-	74	-10.05	10	245	V
5	* ** 5.45998	40.44	RMS	34.5	-23.4	51.54	54	-2.46	-	-	10	245	V
6	* ** 5.45886	40.27	RMS	34.5	-23.4	51.37	54	-2.63	-	-	10	245	V
4	5.46246	53.16	Pk	34.5	-23.4	64.26	-	-	68.2	-3.94	10	245	V
8	5.4662	40.96	RMS	34.5	-23.5	51.96	-	-	-	-	10	245	V
3	5.46999	49.93	Pk	34.5	-23.5	60.93	-	-	68.2	-7.27	10	245	V
7	5.46999	40.59	RMS	34.5	-23.5	51.59	-	-	-	-	10	245	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

BANDEDGE (MID CHANNEL HIGH EDGE)

HORIZONTAL RESULT

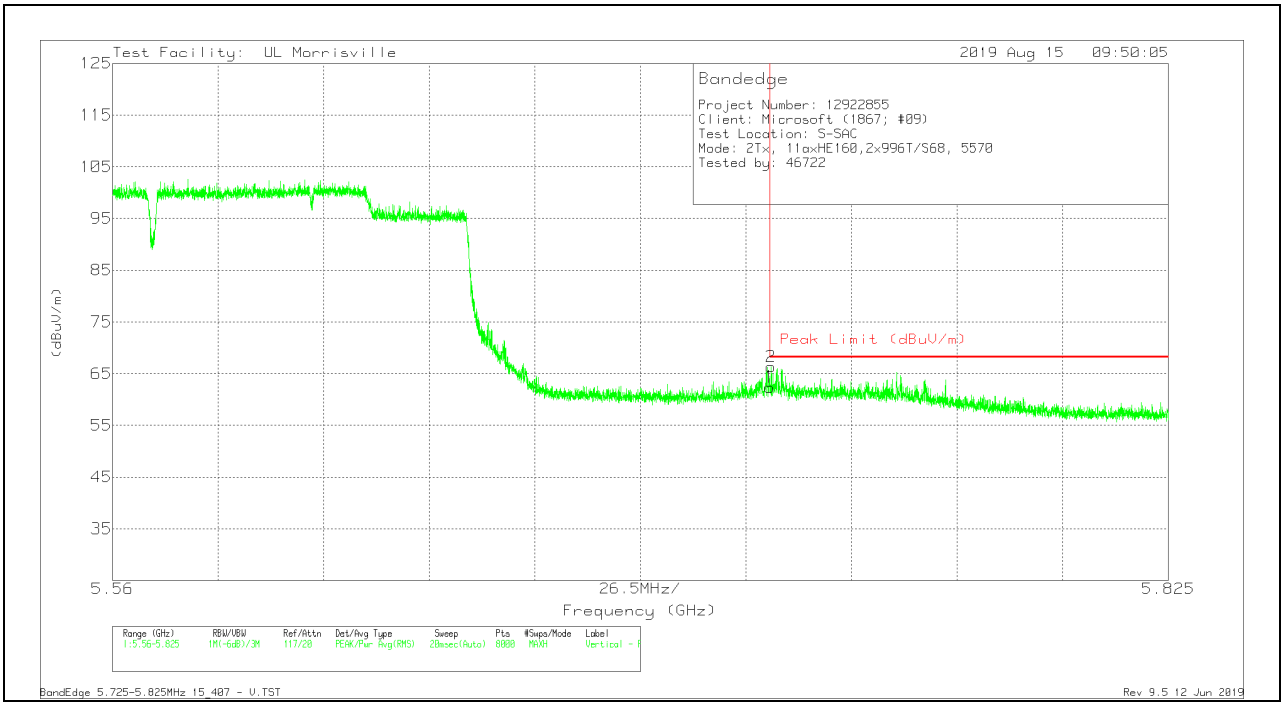


Note – The above plot is 802.11ax HE160, 2x996T RU68

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	44.42	Pk	34.7	-23.3	55.82	68.2	-12.38	269	225	H
2	5.75974	47.19	Pk	34.8	-23.2	58.79	68.2	-9.41	269	225	H

Pk - Peak detector

VERTICAL RESULT



Note – The above plot is 802.11ax HE160, 2x996T RU68

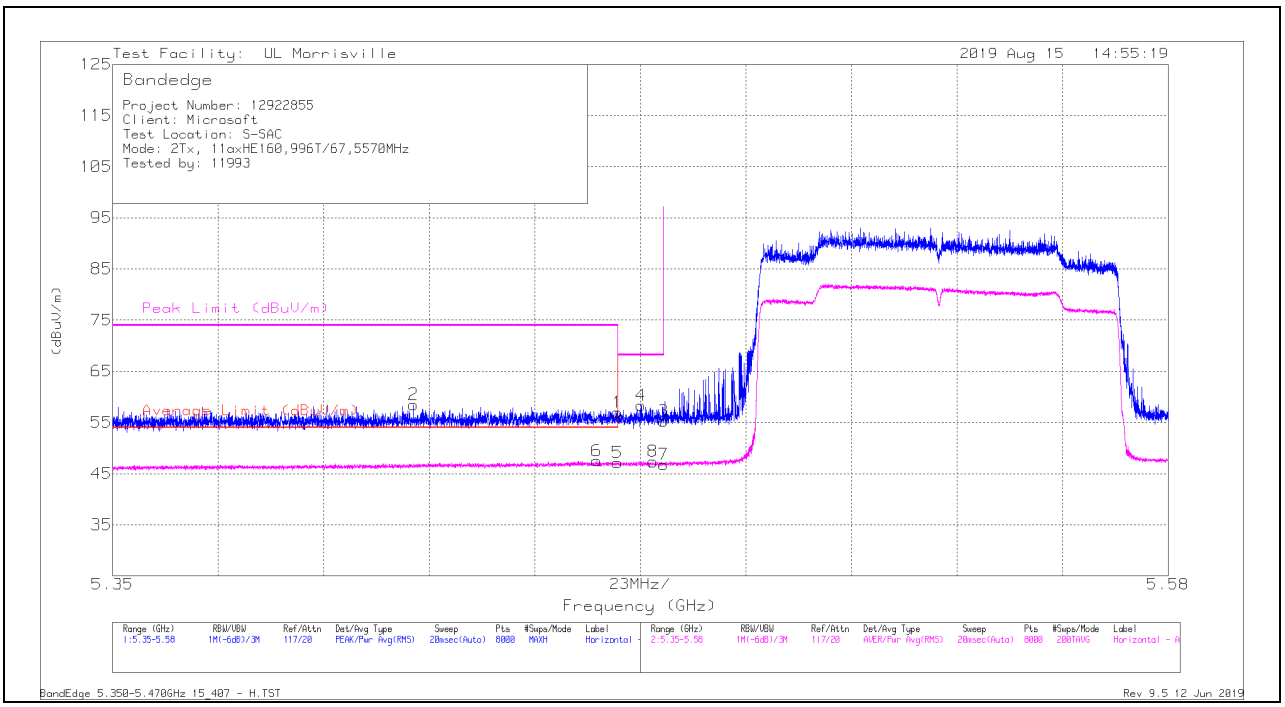
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	50.99	Pk	34.7	-23.3	62.39	68.2	-5.81	345	200	V
2	5.72531	54.93	Pk	34.7	-23.3	66.33	68.2	-1.87	345	200	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 996-Tones, RU Index 67

BANDEDGE (MID CHANNEL LOW EDGE)

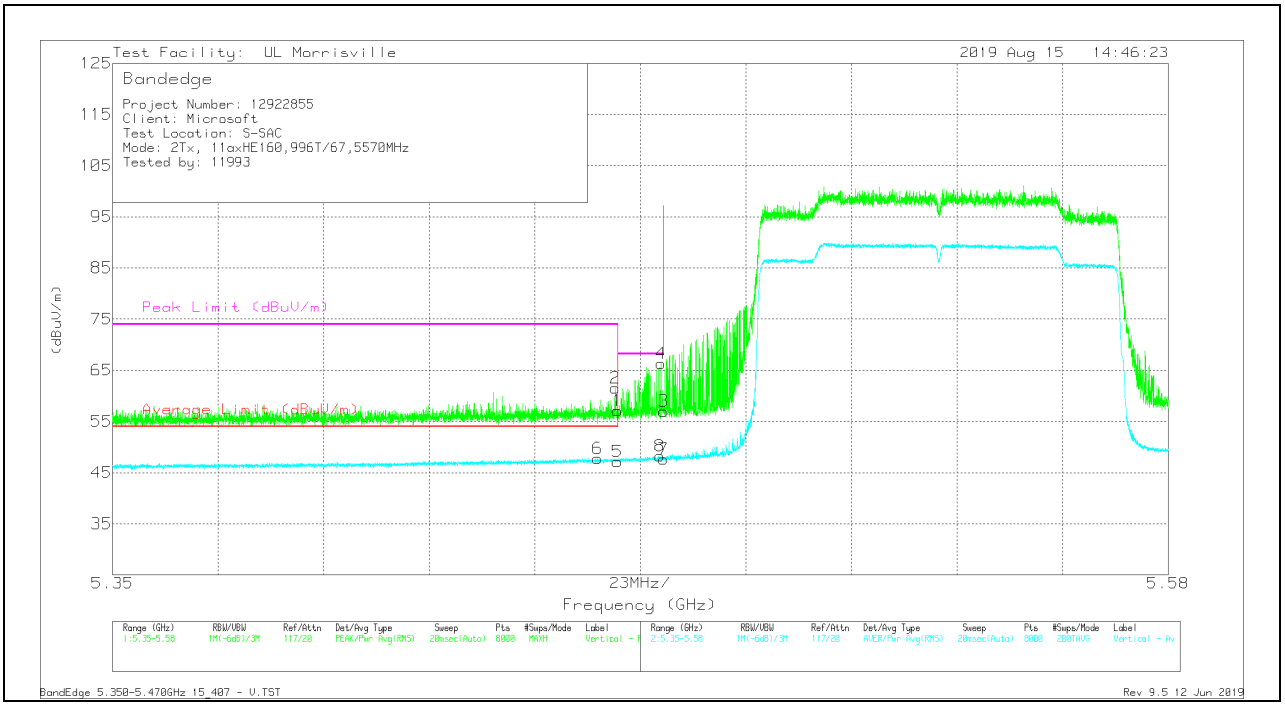
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.9	Pk	34.5	-23.4	57	-	-	74	-17	103	290	H
2	* ** 5.41556	47.49	Pk	34.4	-23.4	58.49	-	-	74	-15.51	103	290	H
5	* ** 5.45998	36.05	RMS	34.5	-23.4	47.15	54	-6.85	-	-	103	290	H
6	* ** 5.45547	36.38	RMS	34.5	-23.4	47.48	54	-6.52	-	-	103	290	H
4	5.46516	47.2	Pk	34.5	-23.4	58.3	-	-	68.2	-9.9	103	290	H
8	5.46769	36.34	RMS	34.5	-23.5	47.34	-	-	-	-	103	290	H
3	5.46999	44.23	Pk	34.5	-23.5	55.23	-	-	68.2	-12.97	103	290	H
7	5.46999	35.8	RMS	34.5	-23.5	46.8	-	-	-	-	103	290	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.97	Pk	34.5	-23.4	57.07	-	-	74	-16.93	9	263	V
2	* ** 5.45955	50.45	Pk	34.5	-23.4	61.55	-	-	74	-12.45	9	263	V
5	* ** 5.45998	36.04	RMS	34.5	-23.4	47.14	54	-6.86	-	-	9	263	V
6	* ** 5.45564	36.63	RMS	34.5	-23.4	47.73	54	-6.27	-	-	9	263	V
8	5.46921	37.24	RMS	34.5	-23.5	48.24	-	-	-	-	9	263	V
4	5.46944	55.33	Pk	34.5	-23.5	66.33	-	-	68.2	-1.87	9	263	V
3	5.46999	46.02	Pk	34.5	-23.5	57.02	-	-	68.2	-11.18	9	263	V
7	5.46999	36.62	RMS	34.5	-23.5	47.62	-	-	-	-	9	263	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

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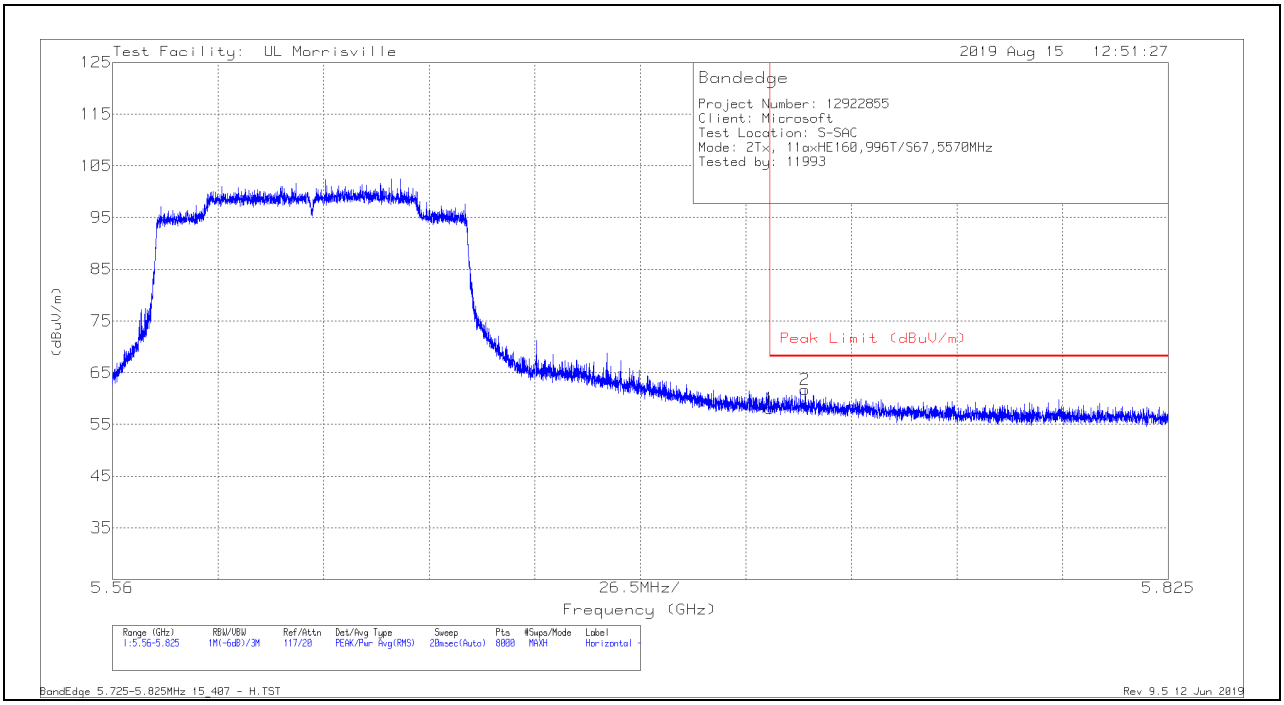
2TX Antenna 1 + Antenna 2 OFDMA MODE – 996-Tones, RU Index S67

BANDEDGE (MID CHANNEL HIGH EDGE)

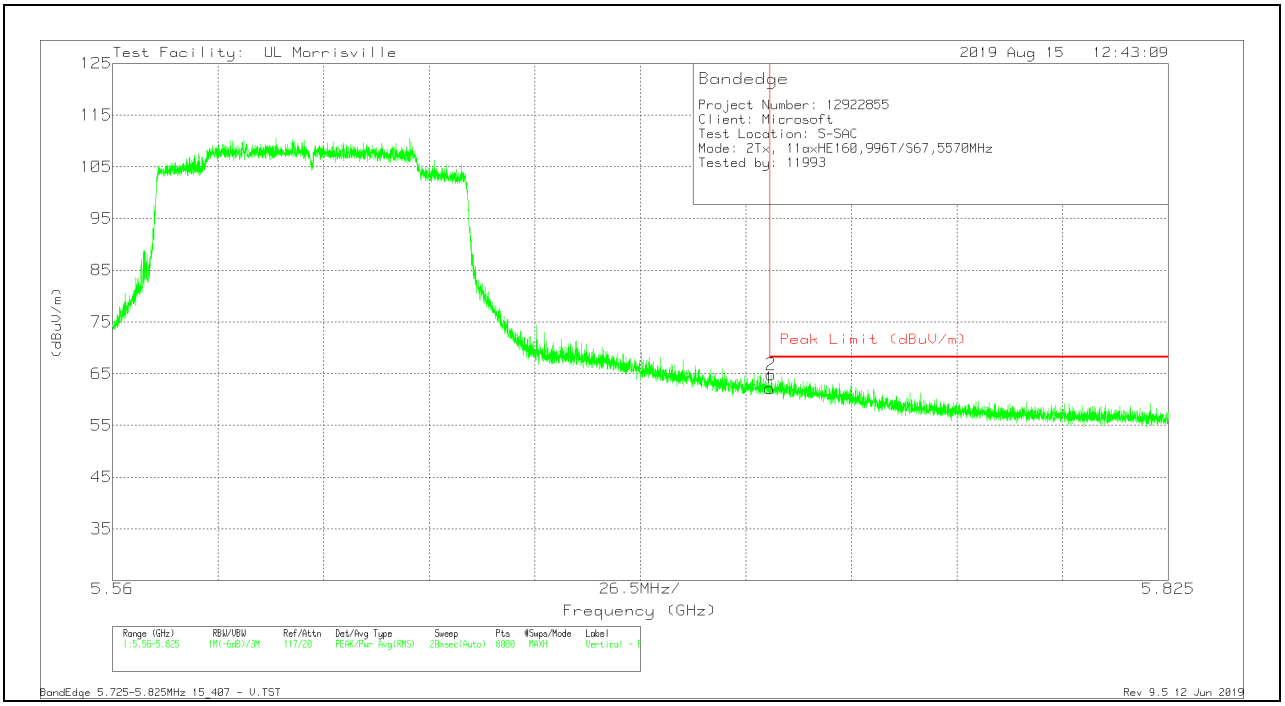
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	46.68	Pk	34.7	-23.3	58.08	68.2	-10.12	296	357	H
2	5.73376	50.35	Pk	34.7	-23.3	61.75	68.2	-6.45	296	357	H

Pk - Peak detector

VERTICAL RESULT



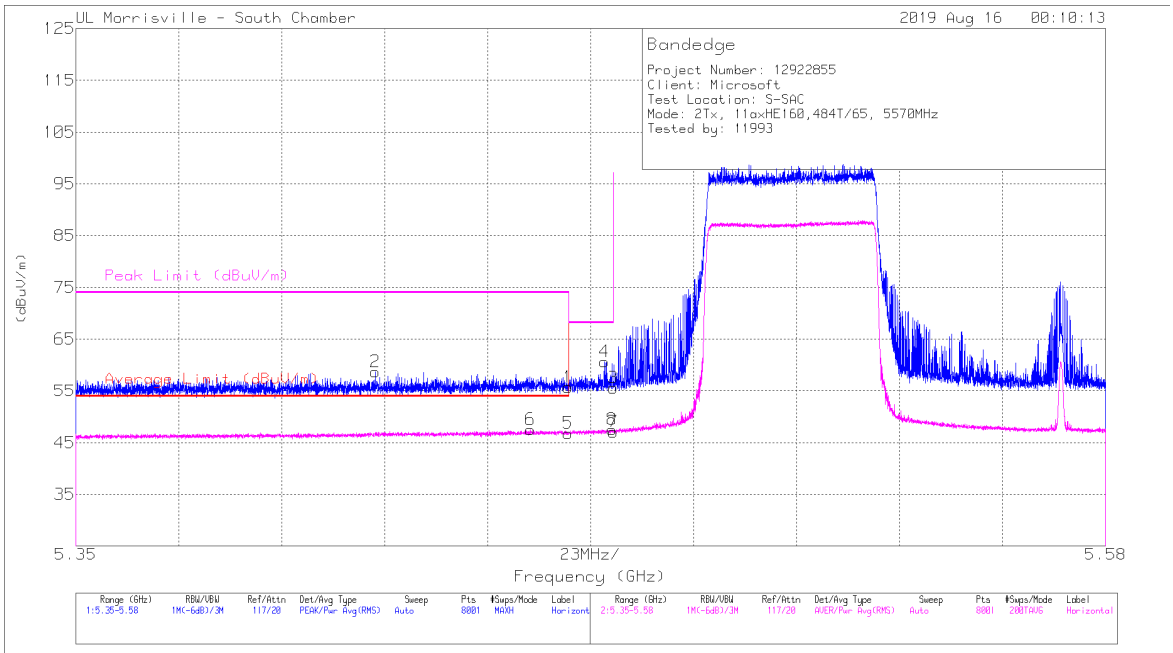
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	50.76	Pk	34.7	-23.3	62.16	68.2	-6.04	17	205	V
2	5.72535	53.41	Pk	34.7	-23.3	64.81	68.2	-3.39	17	205	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 65

BANDEDGE (MID CHANNEL LOW EDGE)

HORIZONTAL RESULT

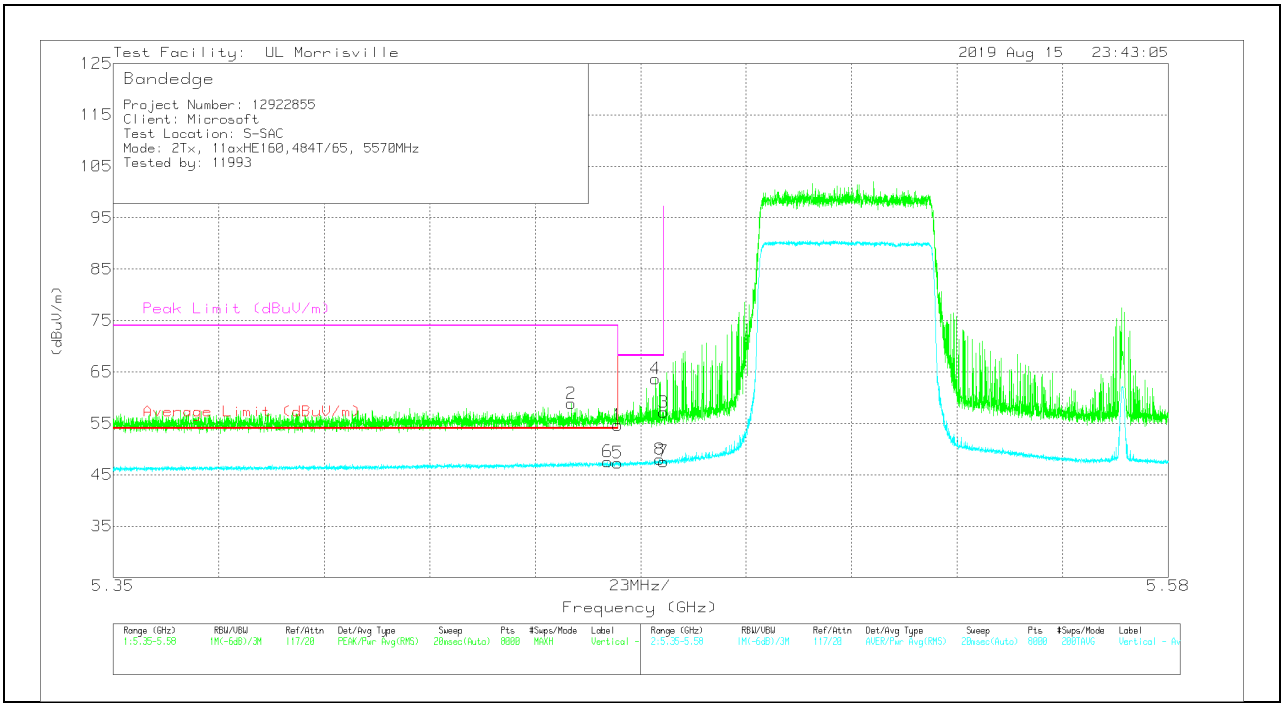


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* ** 5.417	47.59	Pk	34.4	-23.3	58.69	-	-	74	-15.31	25	293	H
6	* ** 5.451	36.33	RMS	34.5	-23.3	47.53	54	-6.47	-	-	25	293	H
1	* ** 5.46	44.63	Pk	34.5	-23.4	55.73	-	-	74	-18.27	25	293	H
5	* ** 5.46	35.72	RMS	34.5	-23.4	46.82	54	-7.18	-	-	25	293	H
4	5.468	49.62	Pk	34.5	-23.5	60.62	-	-	68.2	-7.58	25	293	H
3	5.47	44.62	Pk	34.5	-23.5	55.62	-	-	68.2	-12.58	25	293	H
7	5.47	36.09	RMS	34.5	-23.5	47.09	-	-	-	-	25	293	H
8	5.47	36.53	RMS	34.5	-23.5	47.53	-	-	-	-	25	293	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

UL LLC
12 Laboratory Dr., RTP, NC 27709; USA TEL:(919) 549-1400

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	43.58	Pk	34.5	-23.4	54.68	-	-	74	-19.32	0	194	V
2	* ** 5.44983	47.67	Pk	34.5	-23.3	58.87	-	-	74	-15.13	0	194	V
5	* ** 5.45998	36.21	RMS	34.5	-23.4	47.31	54	-6.69	-	-	0	194	V
6	* ** 5.4578	36.43	RMS	34.5	-23.4	47.53	54	-6.47	-	-	0	194	V
4	5.46827	52.67	Pk	34.5	-23.5	63.67	-	-	68.2	-4.53	0	194	V
8	5.46913	36.99	RMS	34.5	-23.5	47.99	-	-	-	-	0	194	V
3	5.46999	46.15	Pk	34.5	-23.5	57.15	-	-	68.2	-11.05	0	194	V
7	5.46999	36.57	RMS	34.5	-23.5	47.57	-	-	-	-	0	194	V

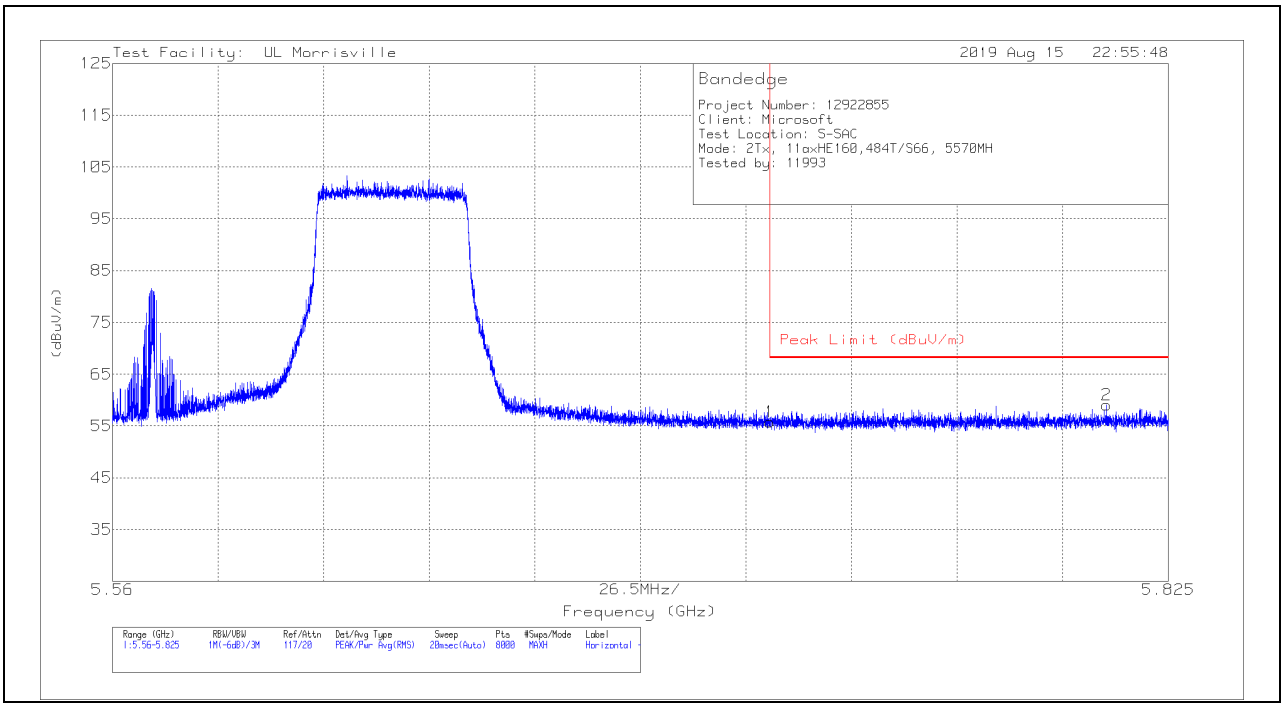
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

UL LLC
12 Laboratory Dr., RTP, NC 27709; USA TEL:(919) 549-1400

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index S66

BANDEDGE (MID CHANNEL HIGH EDGE)

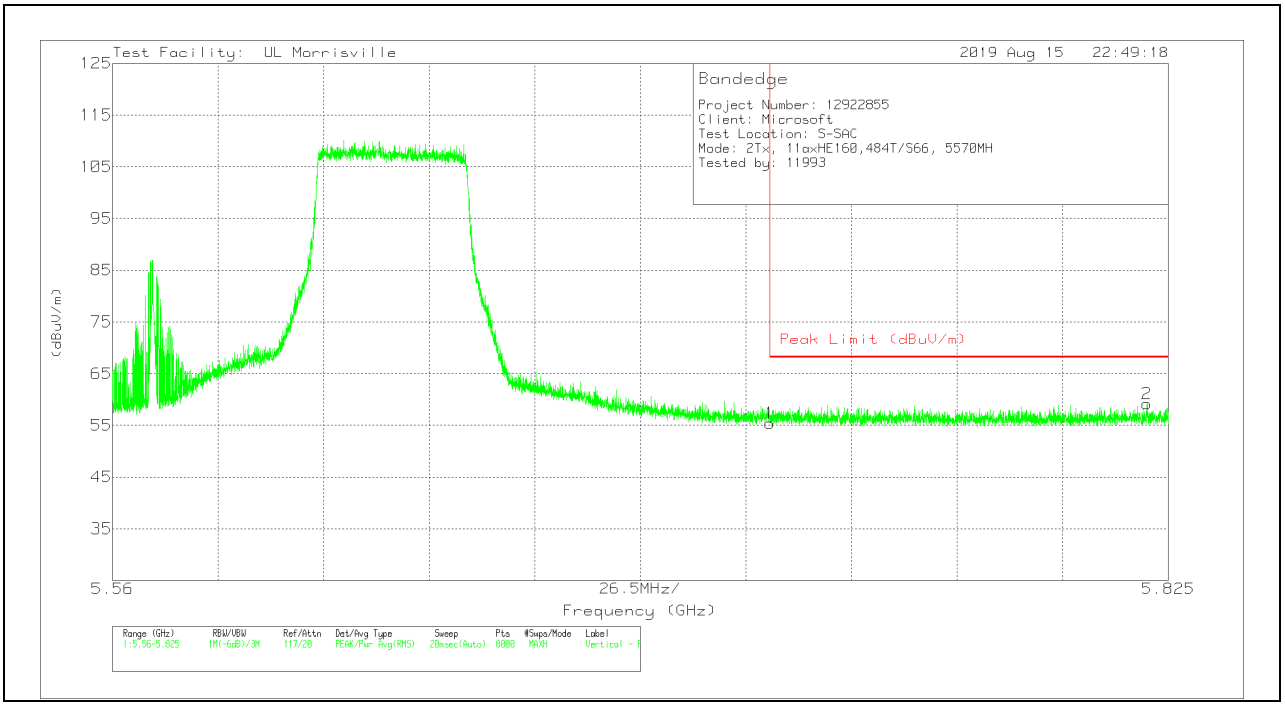
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	44.34	Pk	34.7	-23.3	55.74	68.2	-12.46	317	246	H
2	5.80956	47.37	Pk	34.9	-23.2	59.07	68.2	-9.13	317	246	H

Pk - Peak detector

VERTICAL RESULT



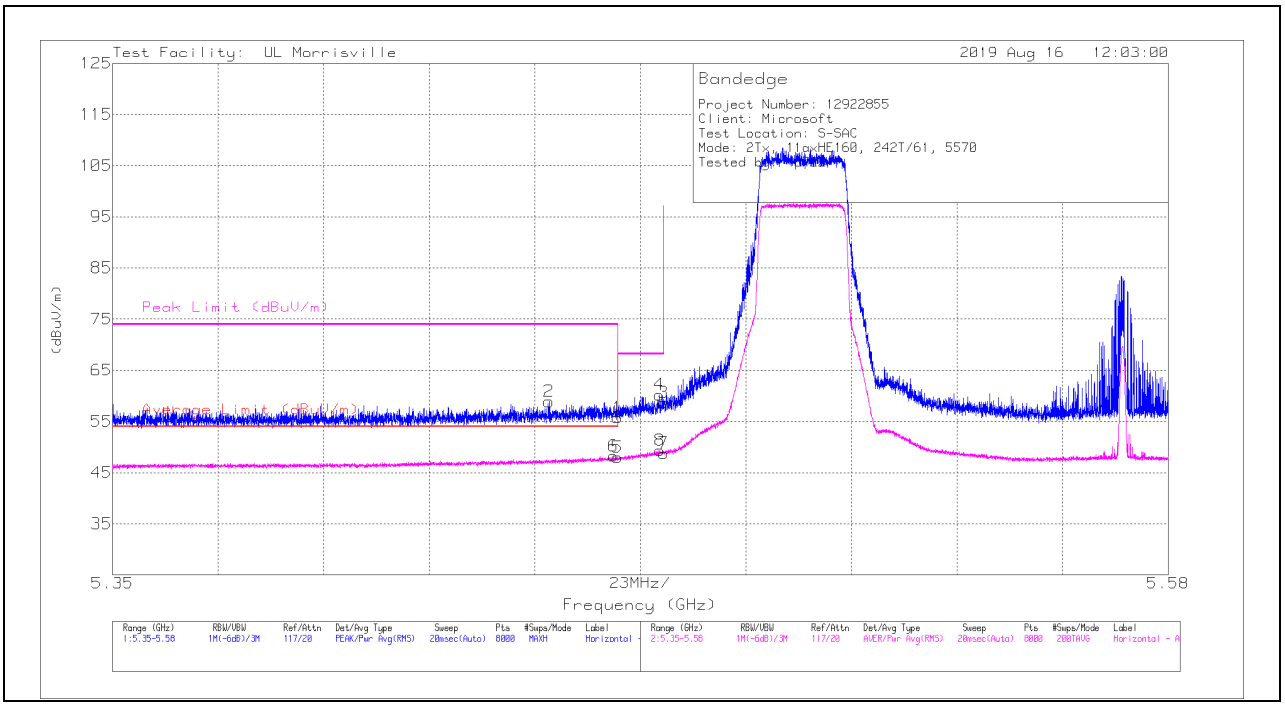
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	44.01	Pk	34.7	-23.3	55.41	68.2	-12.79	360	223	V
2	5.81967	47.48	Pk	34.9	-23.2	59.18	68.2	-9.02	360	223	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

BANDEDGE (MID CHANNEL LOW EDGE)

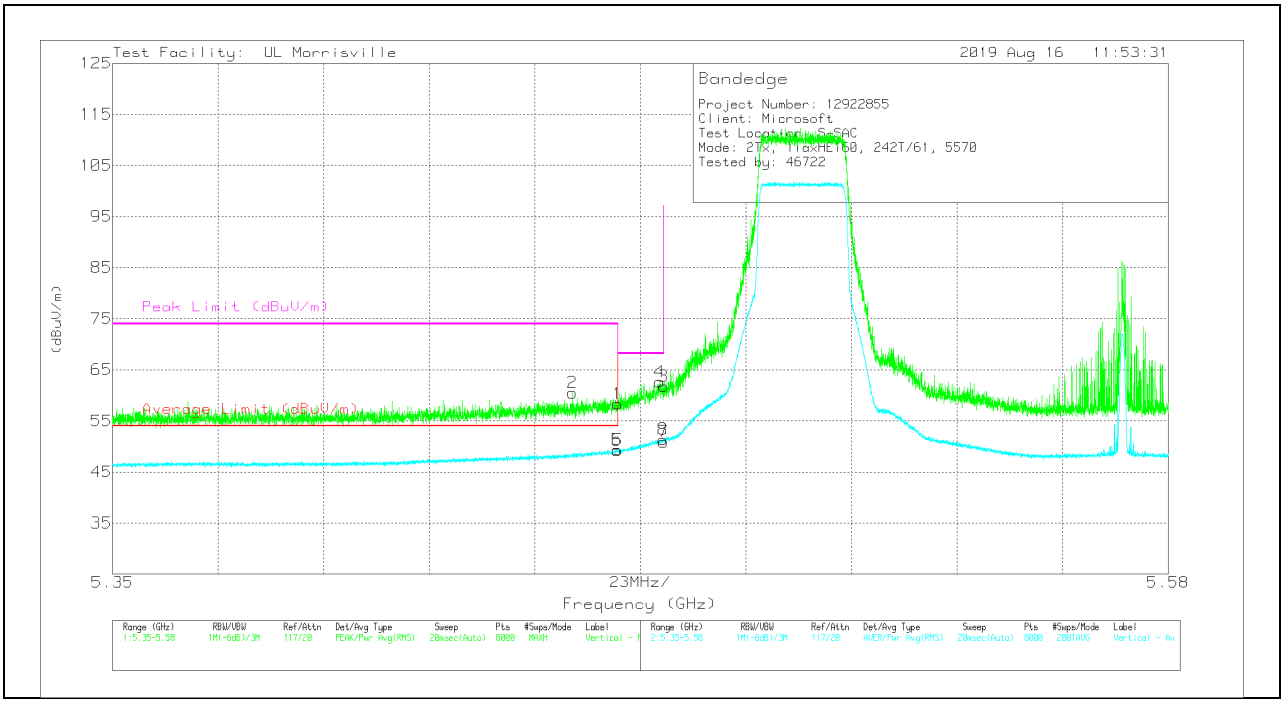
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	44.67	Pk	34.5	-23.4	55.77	-	-	74	-18.23	16	396	H
2	* ** 5.44506	47.8	Pk	34.5	-23.4	58.9	-	-	74	-15.1	16	396	H
5	* ** 5.45998	36.89	RMS	34.5	-23.4	47.99	54	-6.01	-	-	16	396	H
6	* ** 5.45906	37.14	RMS	34.5	-23.4	48.24	54	-5.76	-	-	16	396	H
4	5.4691	49.23	Pk	34.5	-23.5	60.23	-	-	68.2	-7.97	16	396	H
8	5.46921	38.38	RMS	34.5	-23.5	49.38	-	-	-	-	16	396	H
3	5.46999	47.68	Pk	34.5	-23.5	58.68	-	-	68.2	-9.52	16	396	H
7	5.46999	37.79	RMS	34.5	-23.5	48.79	-	-	-	-	16	396	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	47.25	Pk	34.5	-23.4	58.35	-	-	74	-15.65	354	251	V
2	* ** 5.45021	49.3	Pk	34.5	-23.3	60.5	-	-	74	-13.5	354	251	V
5	* ** 5.45998	38.18	RMS	34.5	-23.4	49.28	54	-4.72	-	-	354	251	V
6	* ** 5.45987	38.25	RMS	34.5	-23.4	49.35	54	-4.65	-	-	354	251	V
4	5.46916	51.66	Pk	34.5	-23.5	62.66	-	-	68.2	-5.54	354	251	V
8	5.46988	40.36	RMS	34.5	-23.5	51.36	-	-	-	-	354	251	V
3	5.46999	50.79	Pk	34.5	-23.5	61.79	-	-	68.2	-6.41	354	251	V
7	5.46999	39.91	RMS	34.5	-23.5	50.91	-	-	-	-	354	251	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

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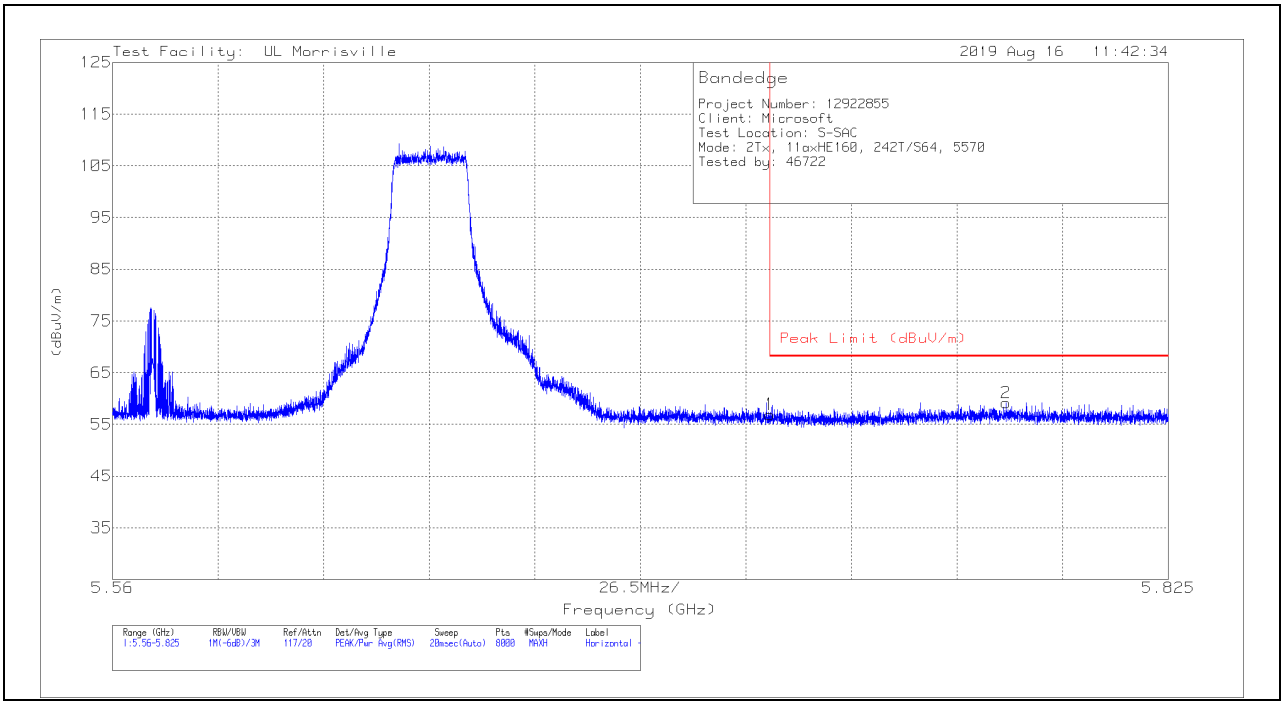
2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index S64

BANDEDGE (MID CHANNEL HIGH EDGE)

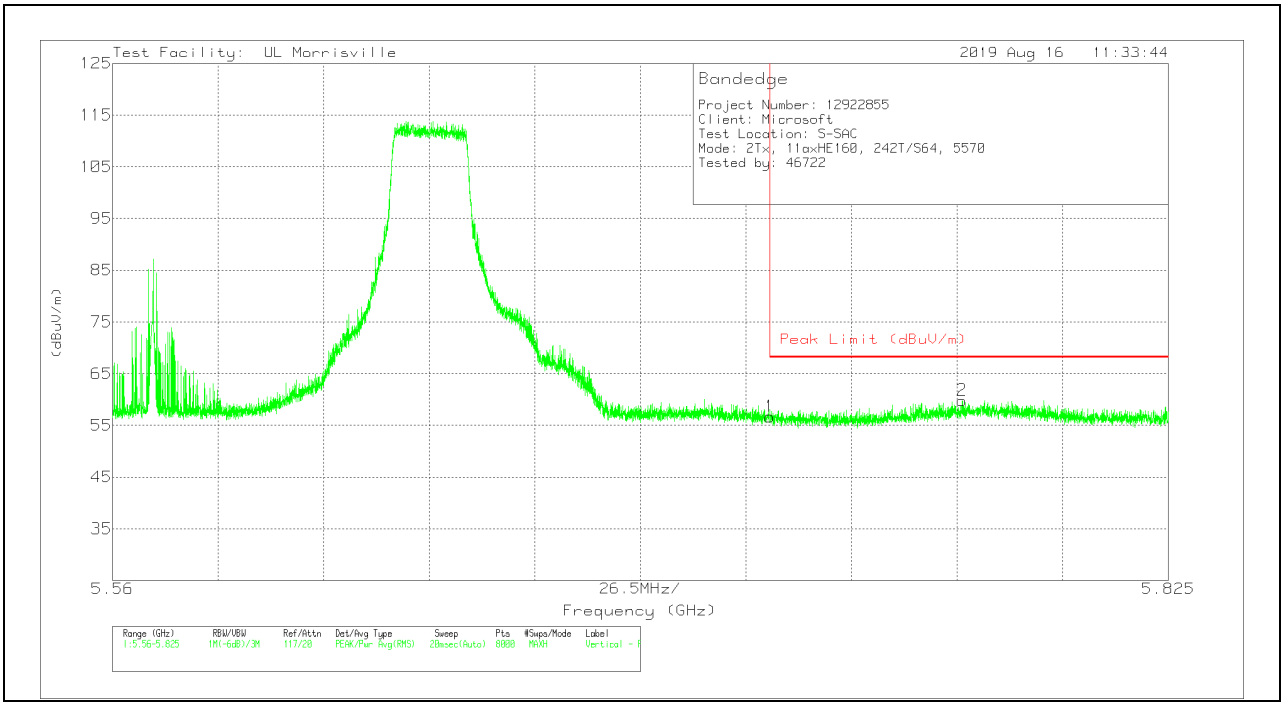
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	45.51	Pk	34.7	-23.3	56.91	68.2	-11.29	55	366	H
2	5.78428	47.69	Pk	34.8	-23.3	59.19	68.2	-9.01	55	366	H

Pk - Peak detector

VERTICAL RESULT



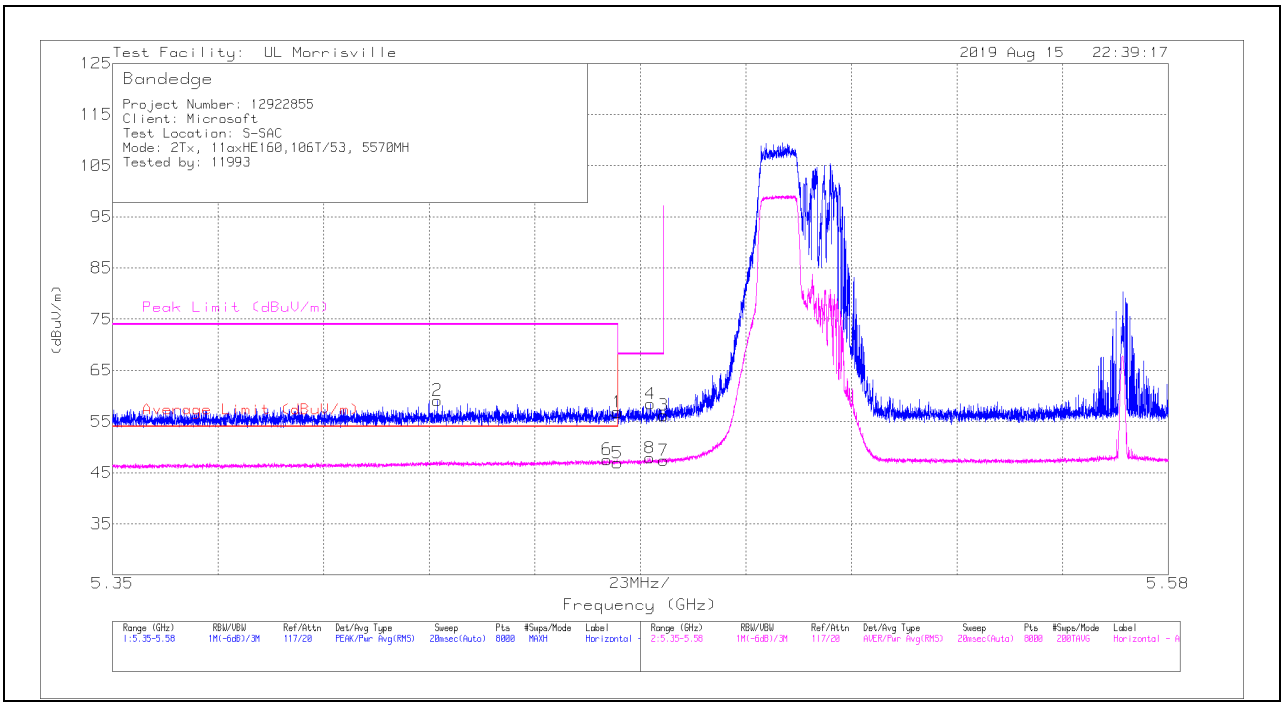
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	45.29	Pk	34.7	-23.3	56.69	68.2	-11.51	352	232	V
2	5.77329	48.33	Pk	34.8	-23.3	59.83	68.2	-8.37	352	232	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 53

BANDEDGE (MID CHANNEL LOW EDGE)

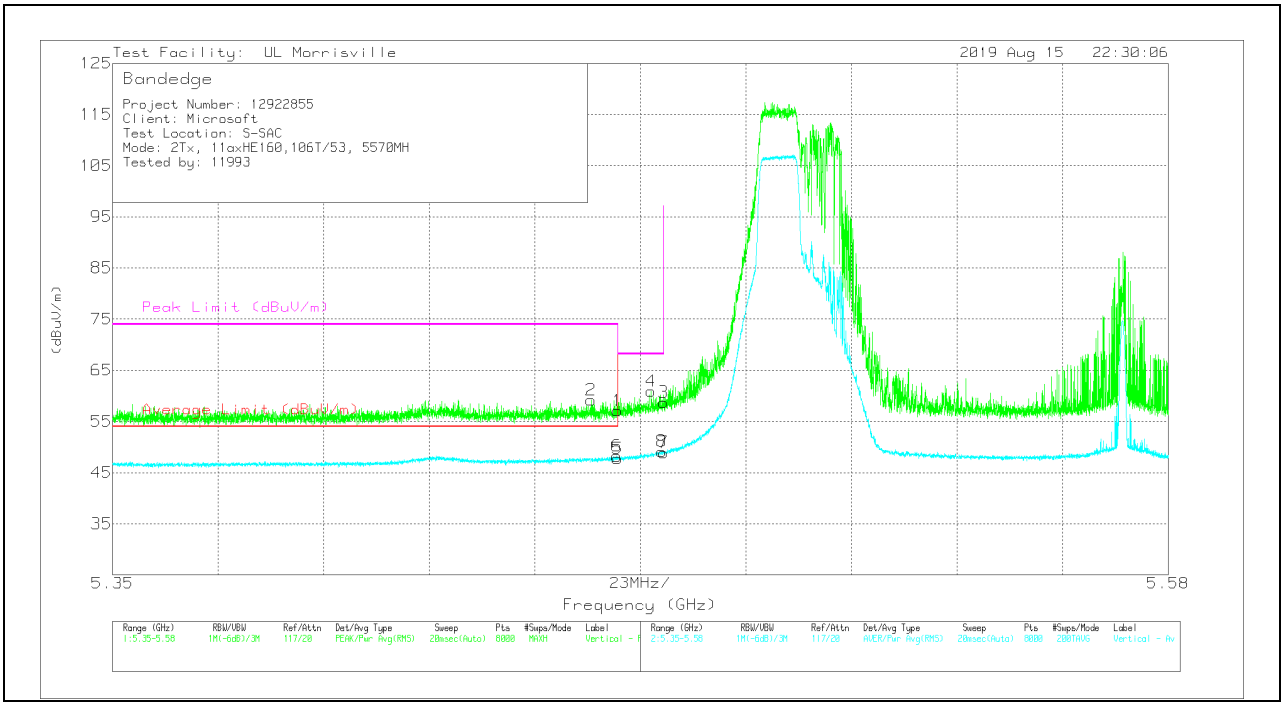
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.71	Pk	34.5	-23.4	56.81	-	-	74	-17.19	88	282	H
2	* ** 5.42074	48.01	Pk	34.4	-23.3	59.11	-	-	74	-14.89	88	282	H
5	* ** 5.45998	35.78	RMS	34.5	-23.4	46.88	54	-7.12	-	-	88	282	H
6	* ** 5.45774	36.46	RMS	34.5	-23.4	47.56	54	-6.44	-	-	88	282	H
8	5.46709	36.9	RMS	34.5	-23.5	47.9	-	-	-	-	88	282	H
4	5.46717	47.45	Pk	34.5	-23.5	58.45	-	-	68.2	-9.75	88	282	H
3	5.46999	45.19	Pk	34.5	-23.5	56.19	-	-	68.2	-12.01	88	282	H
7	5.46999	36.42	RMS	34.5	-23.5	47.42	-	-	-	-	88	282	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



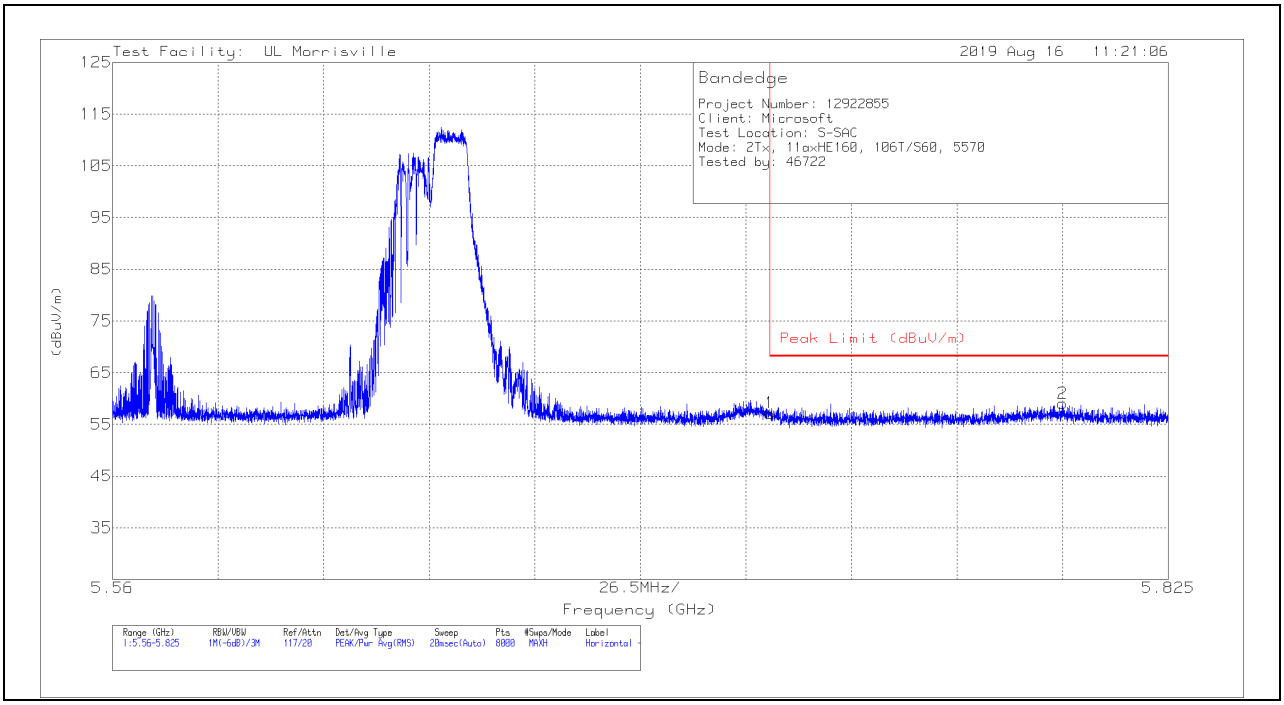
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.01	Pk	34.5	-23.4	57.11	-	-	74	-16.89	20	278	V
2	* ** 5.45423	48.01	Pk	34.5	-23.3	59.21	-	-	74	-14.79	20	278	V
5	* ** 5.45998	36.66	RMS	34.5	-23.4	47.76	54	-6.24	-	-	20	278	V
6	* ** 5.45984	37.11	RMS	34.5	-23.4	48.21	54	-5.79	-	-	20	278	V
4	5.46729	49.88	Pk	34.5	-23.5	60.88	-	-	68.2	-7.32	20	278	V
8	5.46965	38.15	RMS	34.5	-23.5	49.15	-	-	-	-	20	278	V
3	5.46999	47.74	Pk	34.5	-23.5	58.74	-	-	68.2	-9.46	20	278	V
7	5.46999	37.9	RMS	34.5	-23.5	48.9	-	-	-	-	20	278	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index S60

BANDEDGE (MID CHANNEL HIGH EDGE)

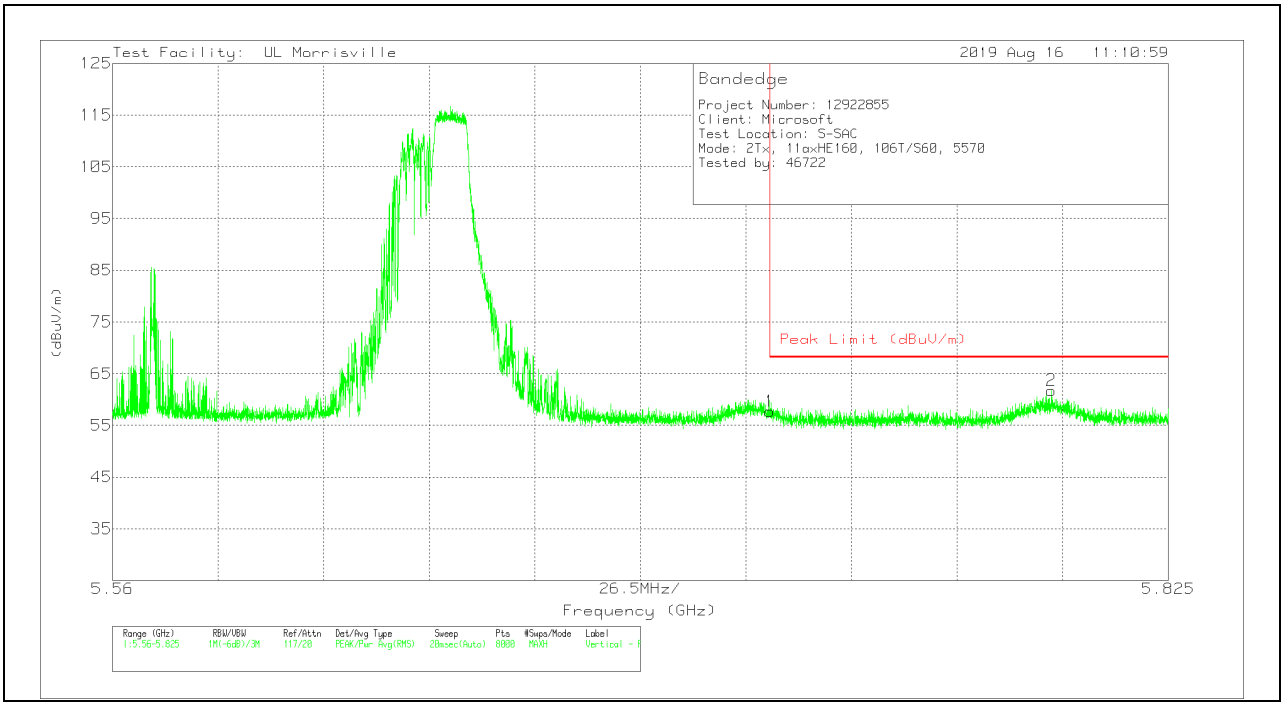
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	45.77	Pk	34.7	-23.3	57.17	68.2	-11.03	7	384	H
2	5.79853	47.47	Pk	34.9	-23.3	59.07	68.2	-9.13	7	384	H

Pk - Peak detector

VERTICAL RESULT



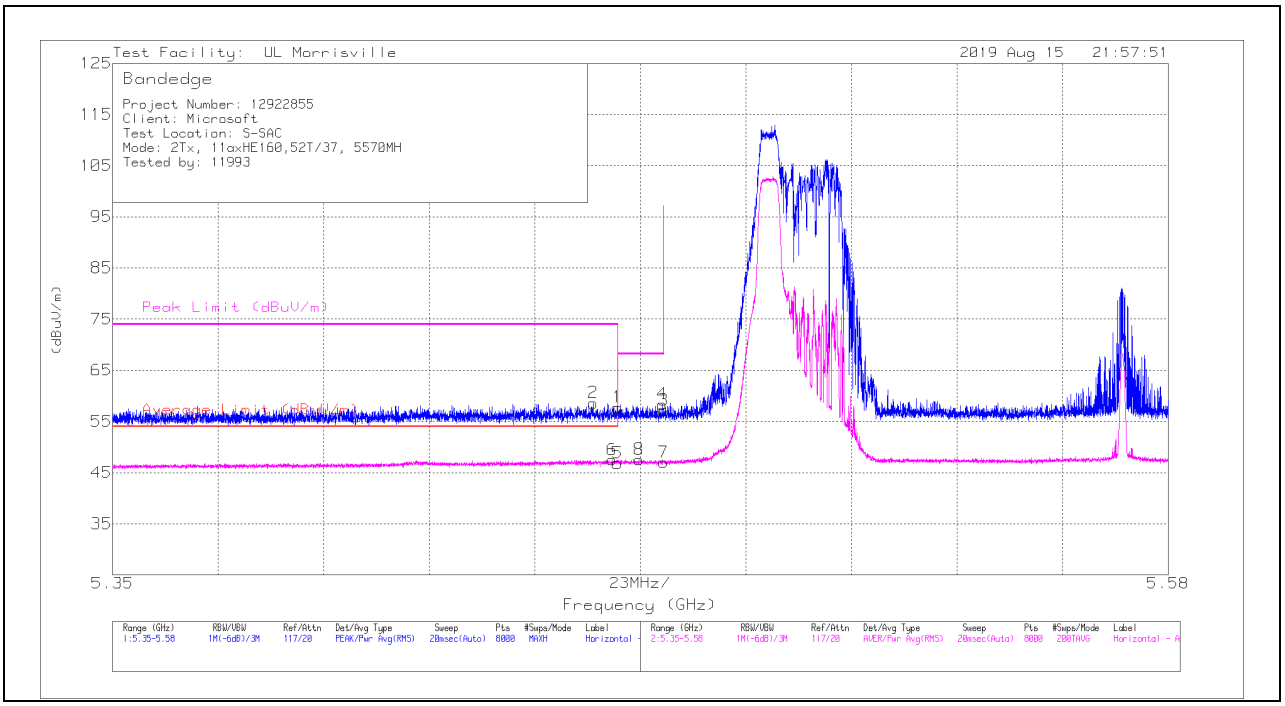
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	46.32	Pk	34.7	-23.3	57.72	68.2	-10.48	351	220	V
2	5.79561	50.16	Pk	34.9	-23.3	61.76	68.2	-6.44	351	220	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 37

BANDEDGE (MID CHANNEL LOW EDGE)

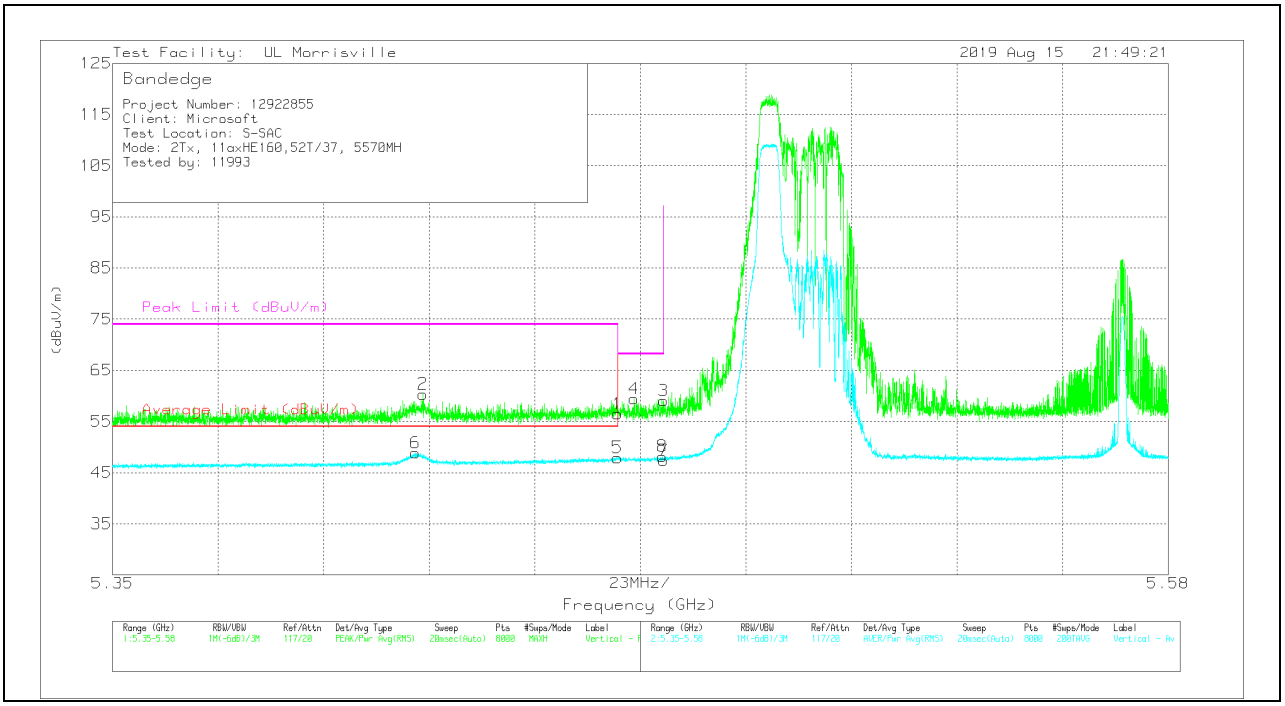
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.68	Pk	34.5	-23.4	57.78	-	-	74	-16.22	85	279	H
2	* ** 5.45469	47.54	Pk	34.5	-23.4	58.64	-	-	74	-15.36	85	279	H
5	* ** 5.45998	35.75	RMS	34.5	-23.4	46.85	54	-7.15	-	-	85	279	H
6	* ** 5.45881	36.41	RMS	34.5	-23.4	47.51	54	-6.49	-	-	85	279	H
8	5.46473	36.45	RMS	34.5	-23.4	47.55	-	-	-	-	85	279	H
4	5.46973	47.39	Pk	34.5	-23.5	58.39	-	-	68.2	-9.81	85	279	H
3	5.46999	46.17	Pk	34.5	-23.5	57.17	-	-	68.2	-11.03	85	279	H
7	5.46999	36.02	RMS	34.5	-23.5	47.02	-	-	-	-	85	279	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.39	Pk	34.5	-23.4	56.49	-	-	74	-17.51	360	249	V
2	* ** 5.41766	49.25	Pk	34.4	-23.3	60.35	-	-	74	-13.65	360	249	V
5	* ** 5.45998	36.83	RMS	34.5	-23.4	47.93	54	-6.07	-	-	360	249	V
6	* ** 5.41602	37.87	RMS	34.4	-23.4	48.87	54	-5.13	-	-	360	249	V
4	5.46361	48.33	Pk	34.5	-23.4	59.43	-	-	68.2	-8.77	360	249	V
8	5.46979	37.17	RMS	34.5	-23.5	48.17	-	-	-	-	360	249	V
3	5.46999	48.05	Pk	34.5	-23.5	59.05	-	-	68.2	-9.15	360	249	V
7	5.46999	36.39	RMS	34.5	-23.5	47.39	-	-	-	-	360	249	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

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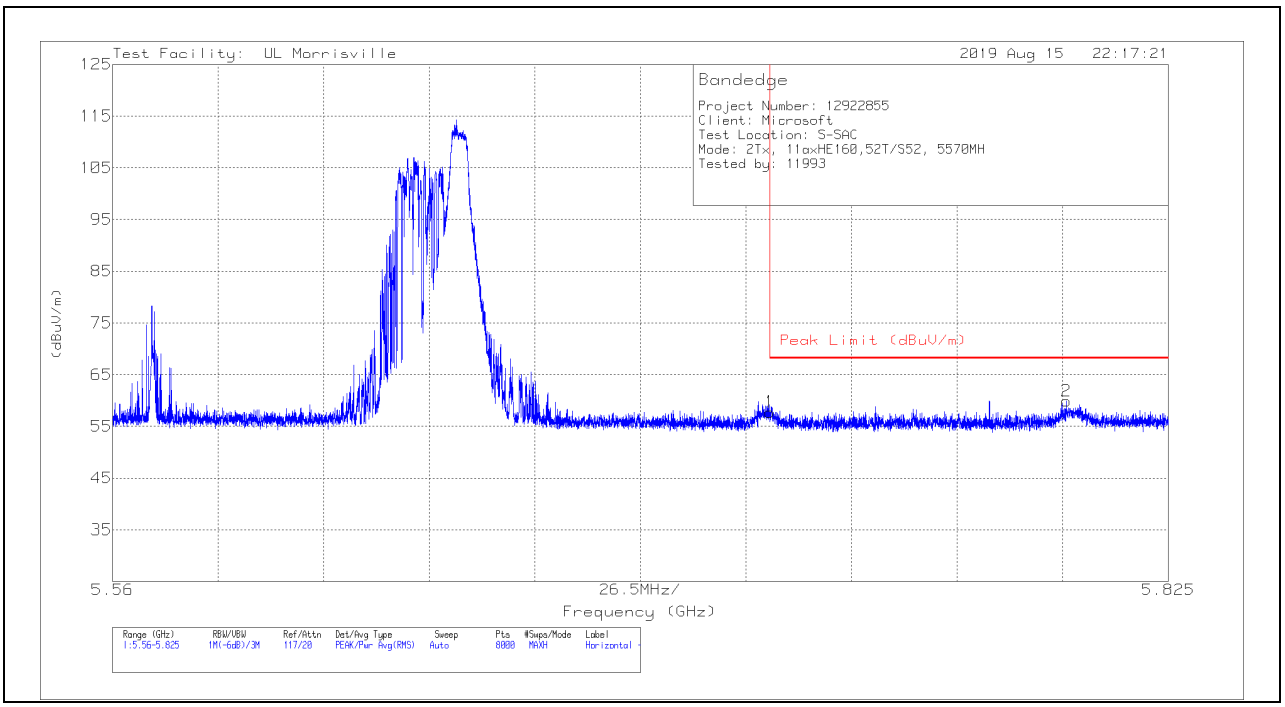
2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index S52

BANDEDGE (MID CHANNEL HIGH EDGE)

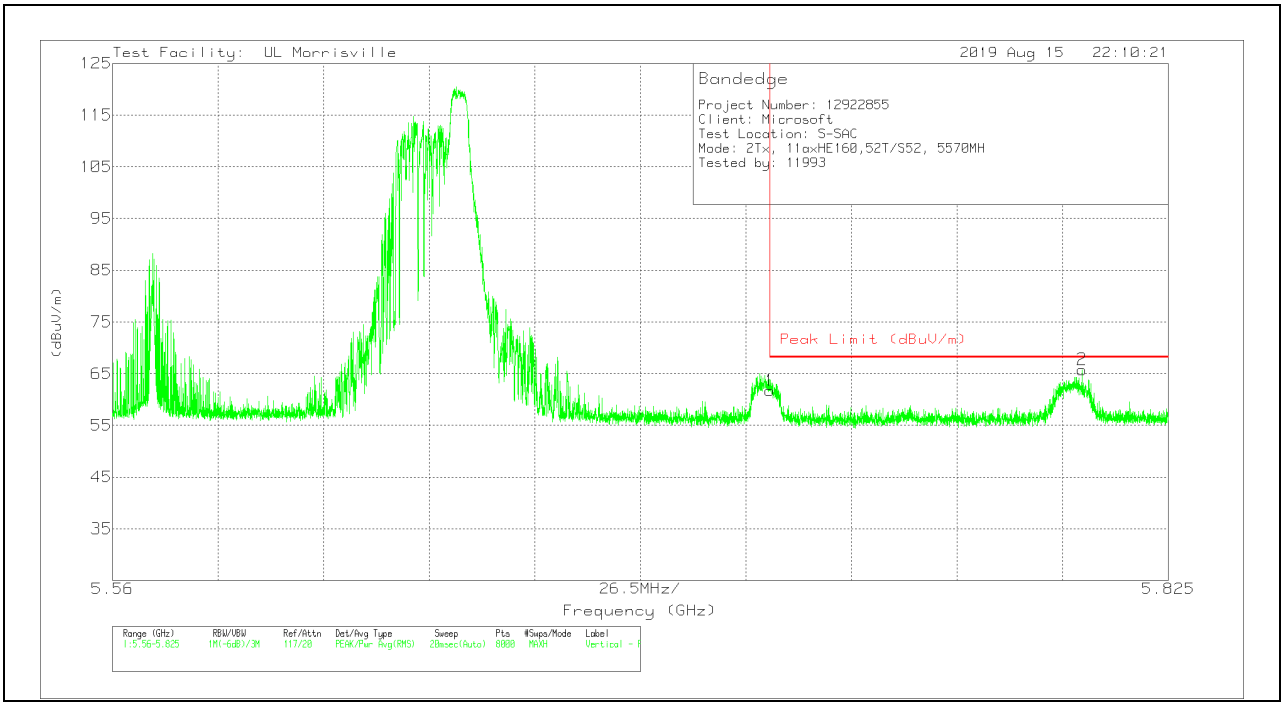
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	46.37	Pk	34.7	-23.3	57.77	68.2	-10.43	50	313	H
2	5.79939	48.33	Pk	34.9	-23.3	59.93	68.2	-8.27	50	313	H

Pk - Peak detector

VERTICAL RESULT



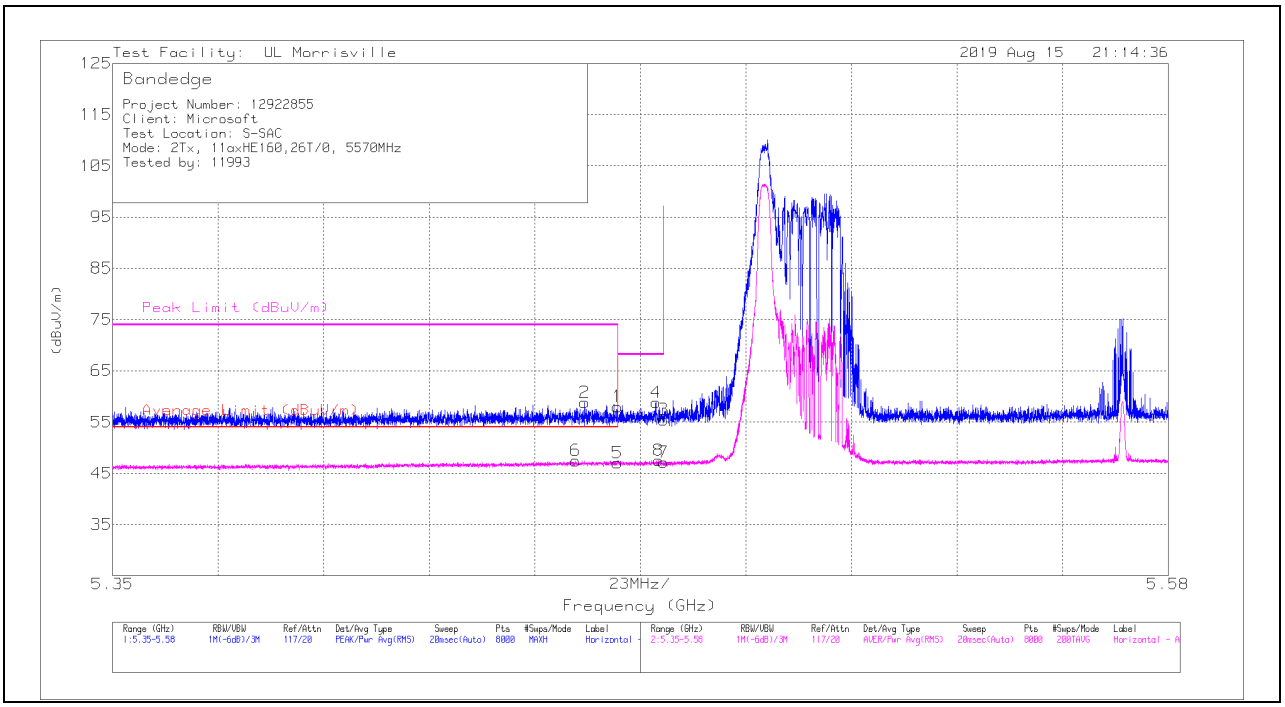
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	50.33	Pk	34.7	-23.3	61.73	68.2	-6.47	356	224	V
2	5.8034	54.09	Pk	34.9	-23.2	65.79	68.2	-2.41	356	224	V

Pk - Peak detector

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

BANDEDGE (MID CHANNEL LOW EDGE)

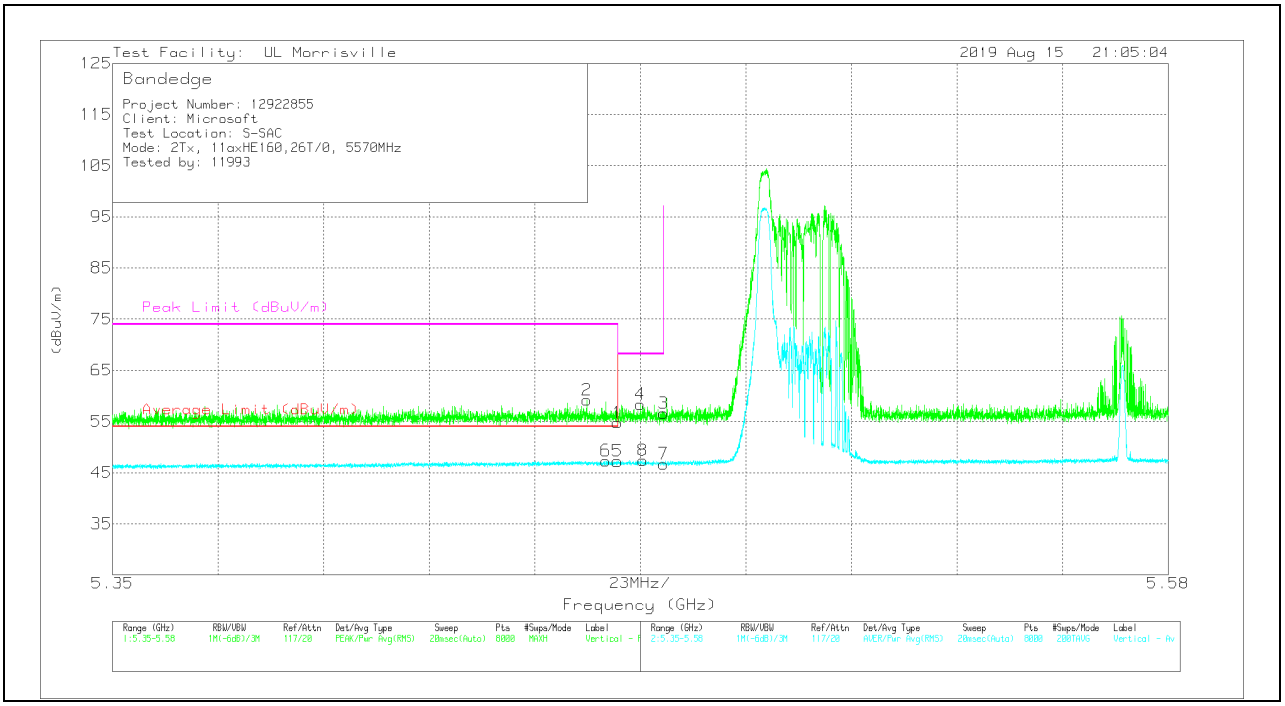
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	46.91	Pk	34.5	-23.4	58.01	-	-	74	-15.99	309	362	H
2	* ** 5.45285	47.65	Pk	34.5	-23.3	58.85	-	-	74	-15.15	309	362	H
5	* ** 5.45998	35.89	RMS	34.5	-23.4	46.99	54	-7.01	-	-	309	362	H
6	* ** 5.45093	36.26	RMS	34.5	-23.3	47.46	54	-6.54	-	-	309	362	H
4	5.46835	47.79	Pk	34.5	-23.5	58.79	-	-	68.2	-9.41	309	362	H
8	5.46898	36.52	RMS	34.5	-23.5	47.52	-	-	-	-	309	362	H
3	5.46999	44.46	Pk	34.5	-23.5	55.46	-	-	68.2	-12.74	309	362	H
7	5.46999	36.14	RMS	34.5	-23.5	47.14	-	-	-	-	309	362	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT



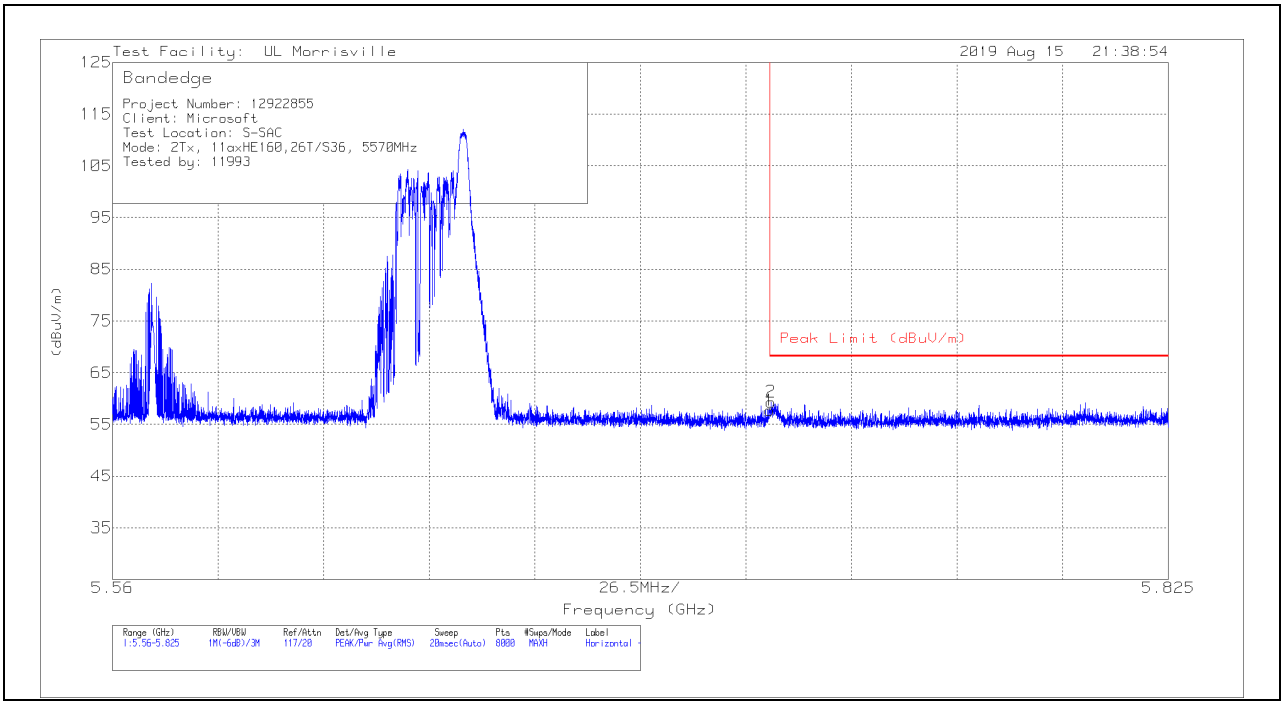
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	43.67	Pk	34.5	-23.4	54.77	-	-	74	-19.23	285	103	V
2	* ** 5.45328	47.98	Pk	34.5	-23.3	59.18	-	-	74	-14.82	285	103	V
5	* ** 5.45998	36.12	RMS	34.5	-23.4	47.22	54	-6.78	-	-	285	103	V
6	* ** 5.45745	36.22	RMS	34.5	-23.4	47.32	54	-6.68	-	-	285	103	V
4	5.46496	47.27	Pk	34.5	-23.4	58.37	-	-	68.2	-9.83	285	103	V
8	5.46553	36.38	RMS	34.5	-23.5	47.38	-	-	-	-	285	103	V
3	5.46999	45.6	Pk	34.5	-23.5	56.6	-	-	68.2	-11.6	285	103	V
7	5.46999	35.69	RMS	34.5	-23.5	46.69	-	-	-	-	285	103	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
** - indicates frequency in Taiwan NCC LP0002 Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index S36

BANDEDGE (MID CHANNEL HIGH EDGE)

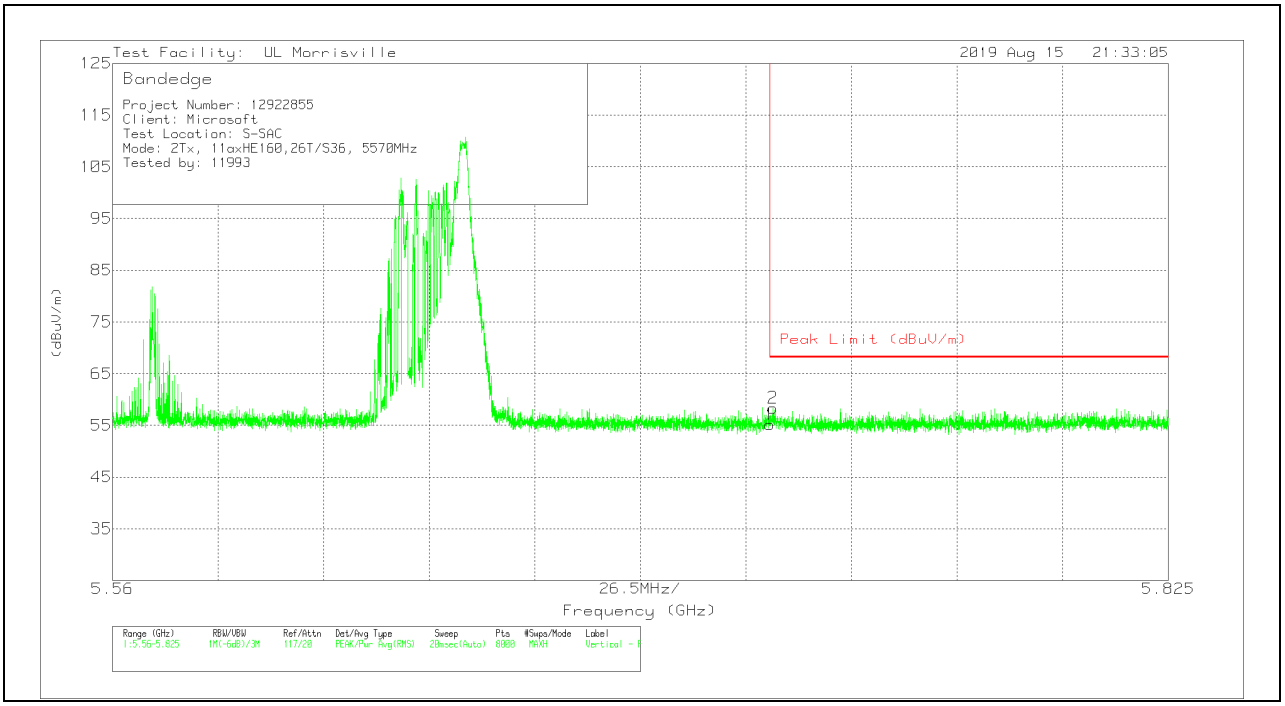
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	46.29	Pk	34.7	-23.3	57.69	68.2	-10.51	21	278	H
2	5.72531	47.95	Pk	34.7	-23.3	59.35	68.2	-8.85	21	278	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	43.78	Pk	34.7	-23.3	55.18	68.2	-13.02	322	390	V
2	5.72578	46.96	Pk	34.7	-23.3	58.36	68.2	-9.84	322	390	V

Pk - Peak detector

10.2. WORST-CASE BELOW 1GHz AND ABOVE 18 GHz

Radiated emissions below 1GHz, above 18GHz, and power line conducted emissions were performed in worst-case test report R12922855-E11 (FCC ID: C3K1867, IC: 3048A-1867).

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11. AC LINE CONDUCTED EMISSIONS

Radiated emissions below 1GHz, above 18GHz, and power line conducted emissions were performed in worst-case test report R12922855-E11 (FCC ID: C3K1867, IC: 3048A-1867).

12. SETUP PHOTOS

Please refer to 12922855-EP1 for setup photos

END OF TEST REPORT

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