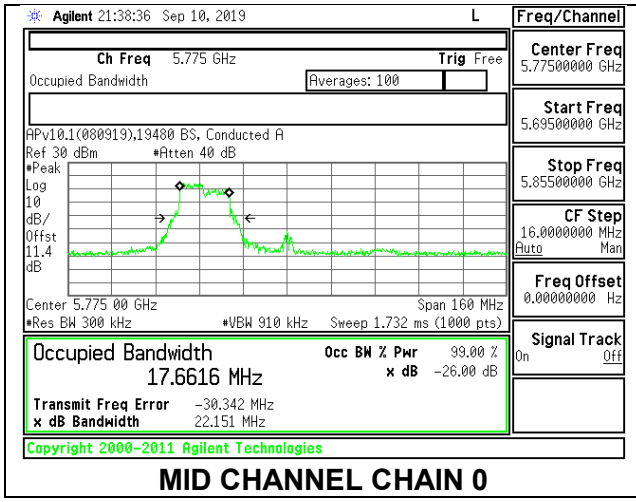
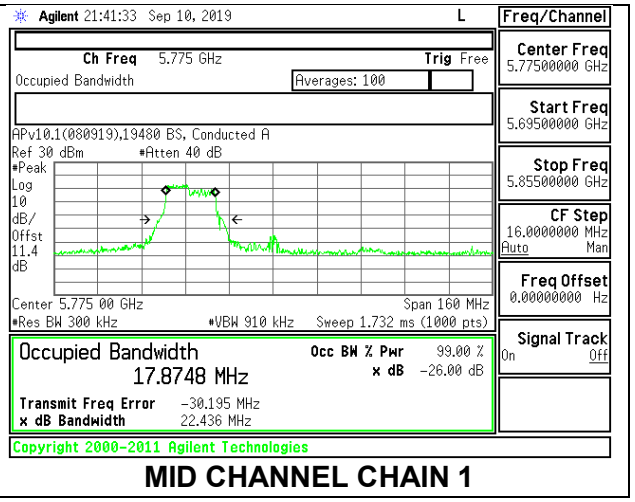
106-Tones, RU Index 53

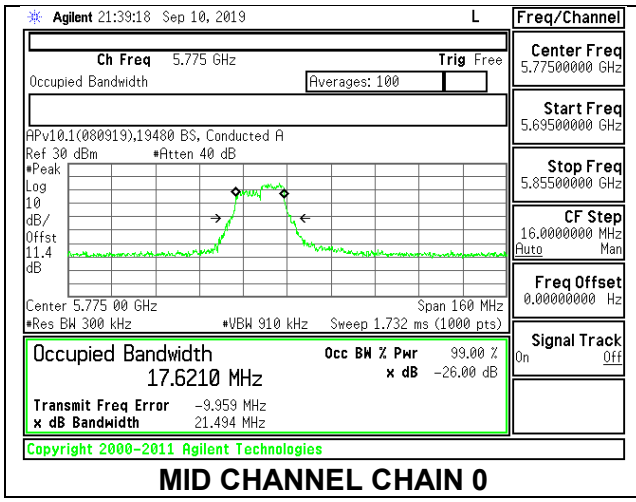


MID CHANNEL CHAIN 0

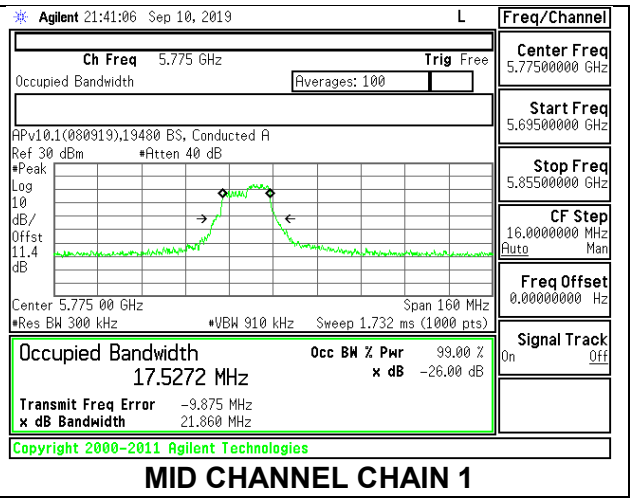


MID CHANNEL CHAIN 1

106-Tones, RU Index 56

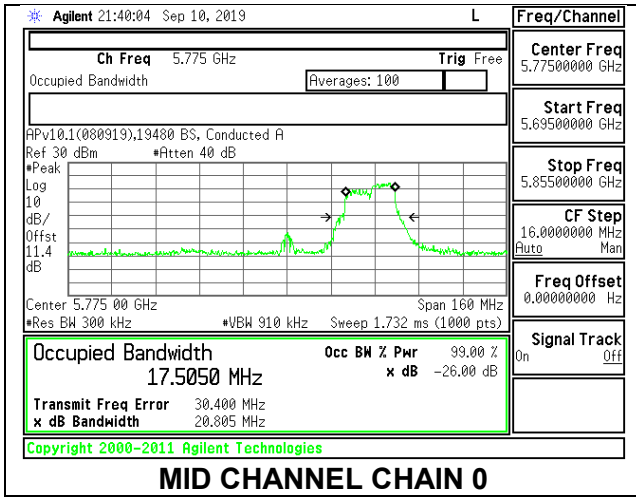


MID CHANNEL CHAIN 0

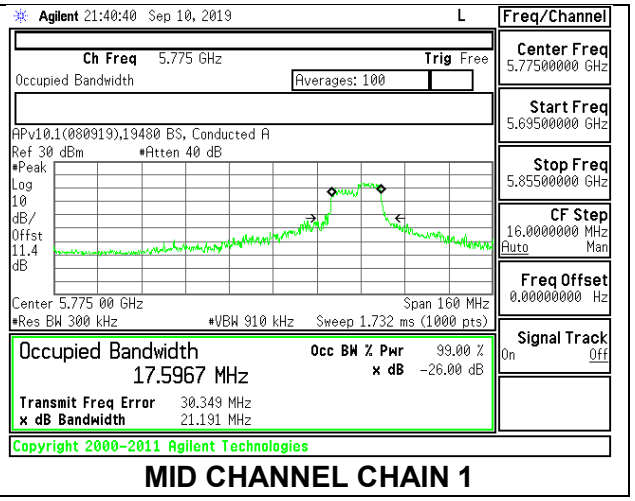


MID CHANNEL CHAIN 1

106-Tones, RU Index 60



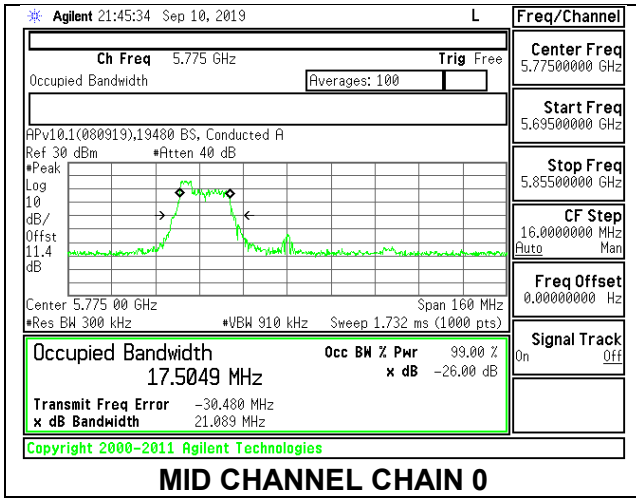
MID CHANNEL CHAIN 0



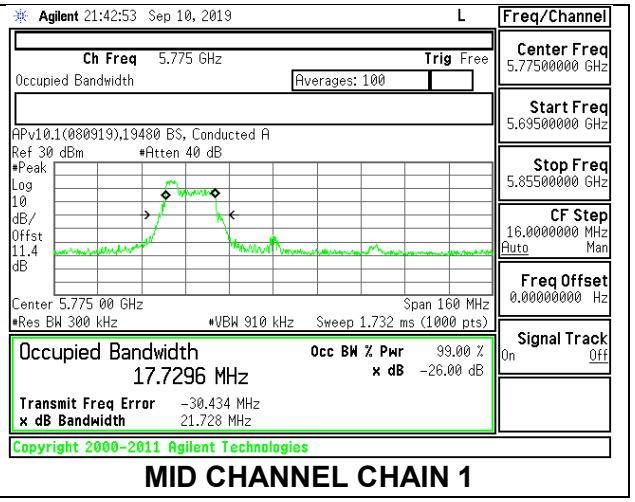
MID CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

52-Tones, RU Index 37

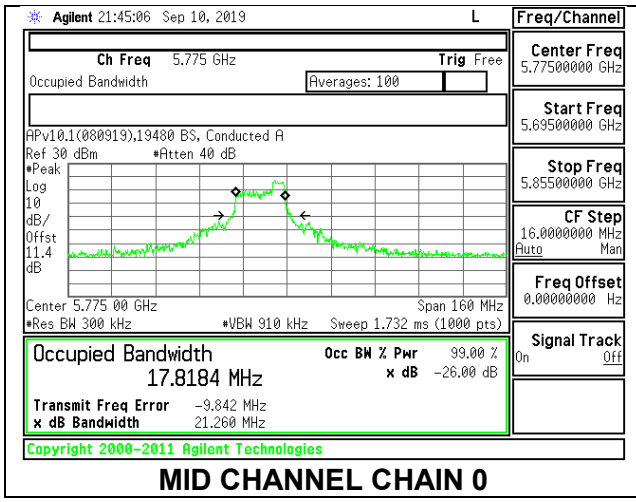


MID CHANNEL CHAIN 0

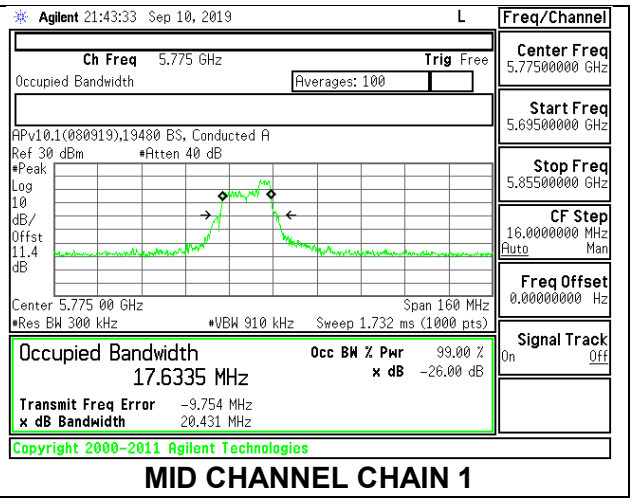


MID CHANNEL CHAIN 1

52-Tones, RU Index 44

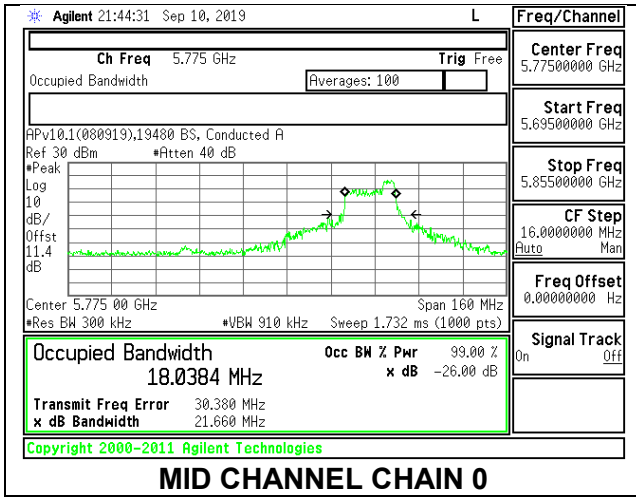


MID CHANNEL CHAIN 0

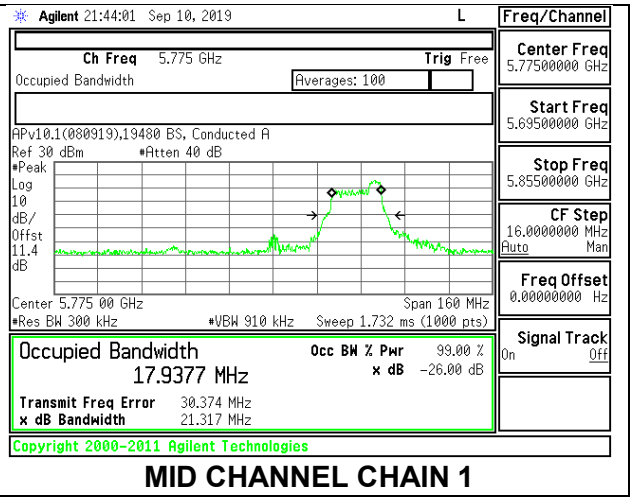


MID CHANNEL CHAIN 1

52-Tones, RU Index 52



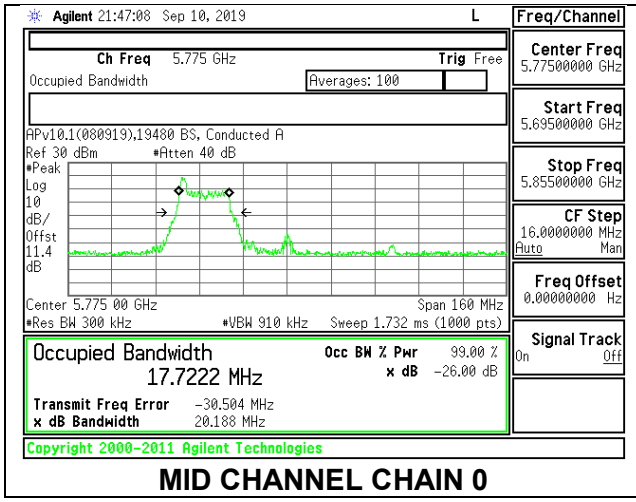
MID CHANNEL CHAIN 0



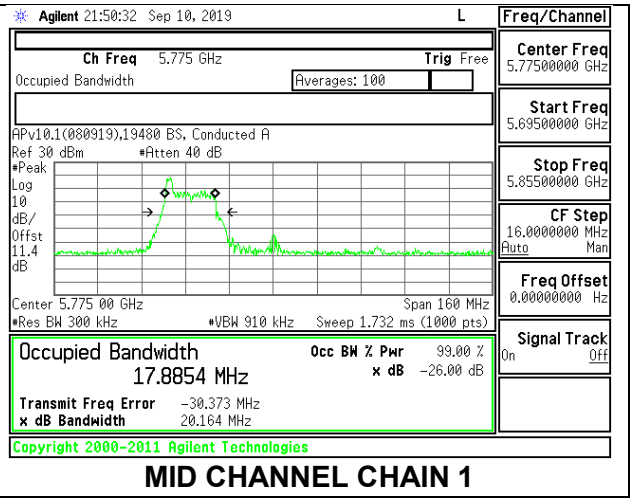
MID CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

26-Tones, RU Index 0

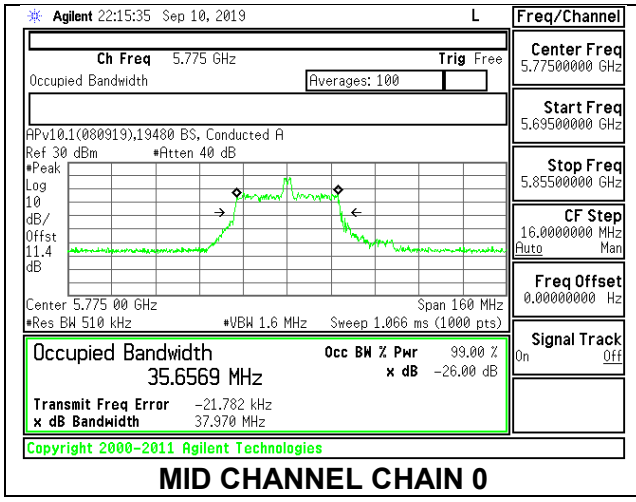


MID CHANNEL CHAIN 0

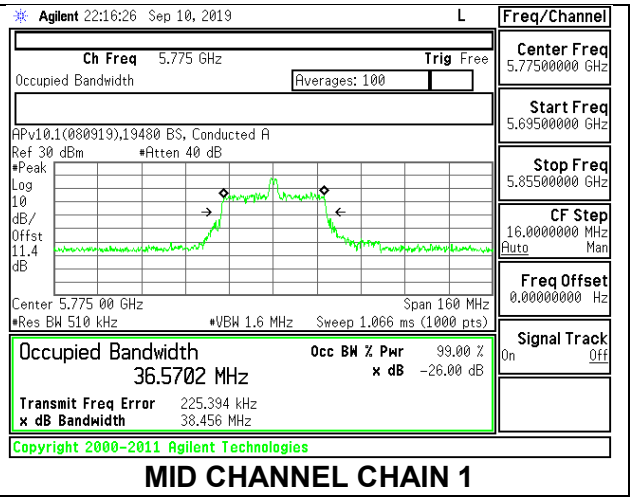


MID CHANNEL CHAIN 1

26-Tones, RU Index 18

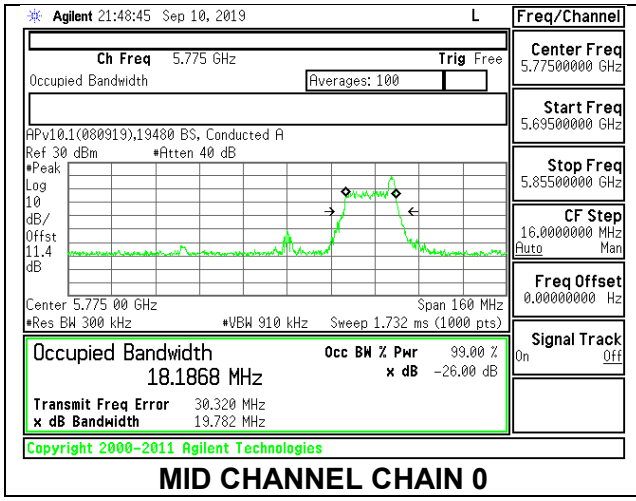


MID CHANNEL CHAIN 0

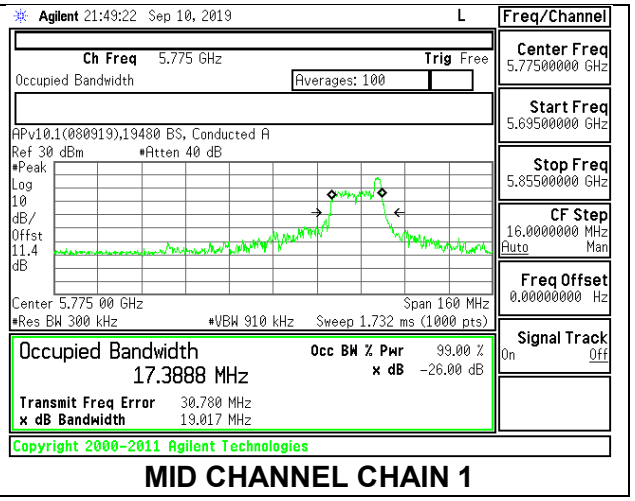


MID CHANNEL CHAIN 1

26-Tones, RU Index 36



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

8.4. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

RSS-247 6.2.4.1

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

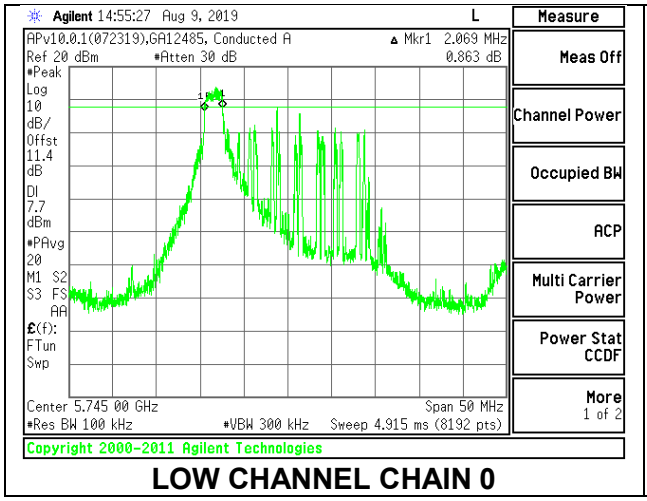
8.4.1. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

2TX Chain 0 + Chain 1 OFDMA MODE

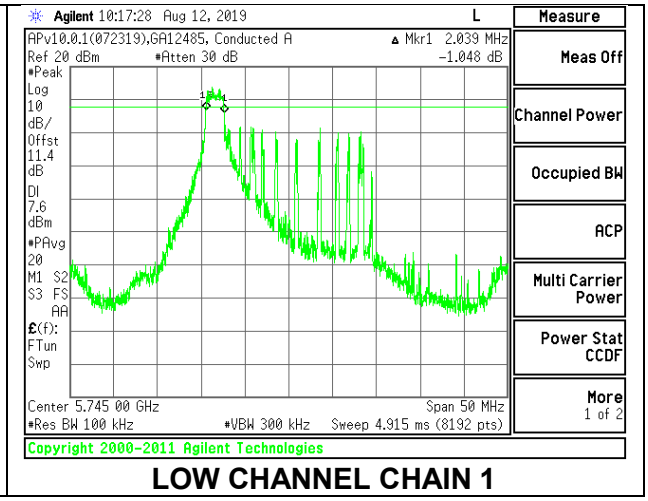
RU Size (Tones)	RU Index	Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
26T	0	Low	5745	2.069	2.039	0.5
	4	Mid	5785	2.576	2.570	0.5
	8	High	5825	2.045	2.051	0.5
		144	5720	2.165	2.040	0.5

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

26-Tones, RU Index 0

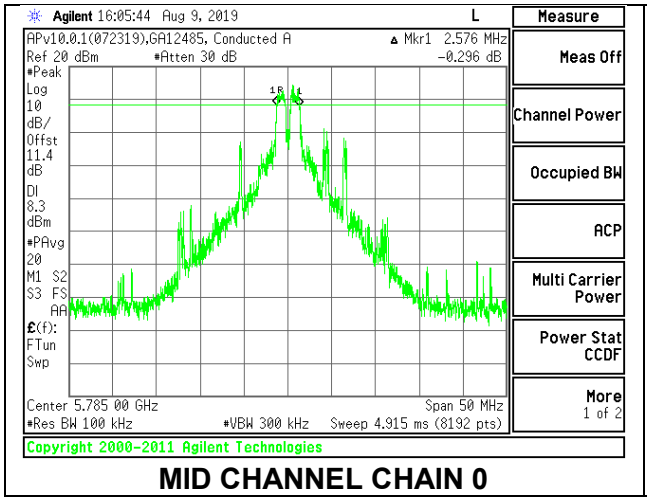


LOW CHANNEL CHAIN 0

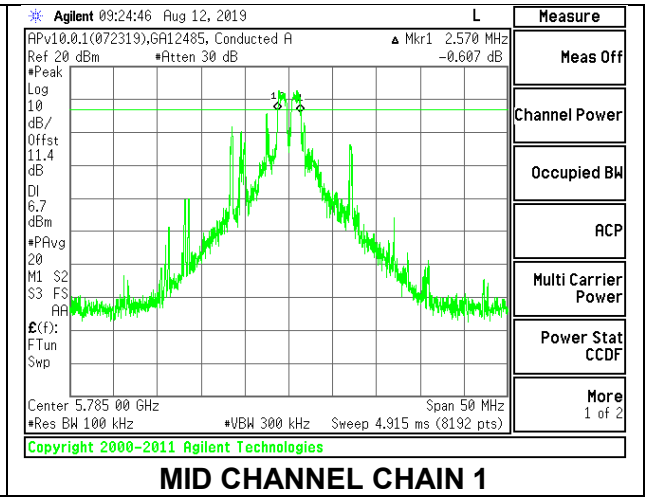


LOW CHANNEL CHAIN 1

26-Tones, RU Index 4



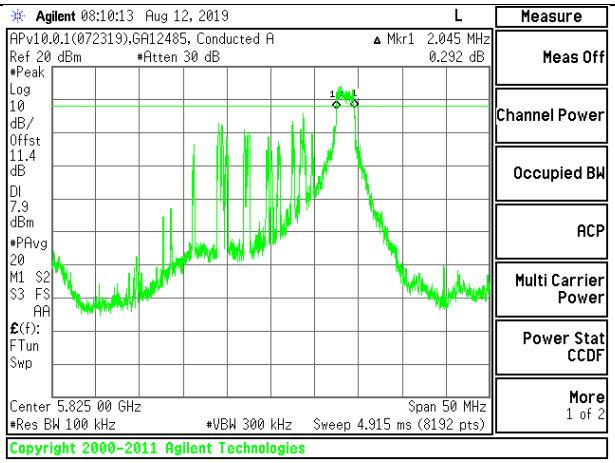
MID CHANNEL CHAIN 0



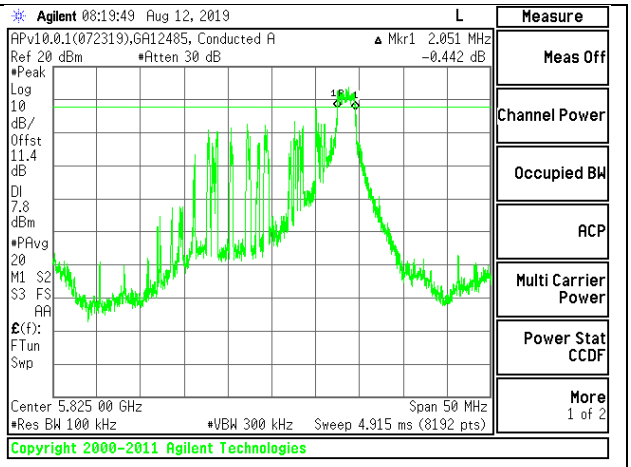
MID CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

26-Tones, RU Index 8

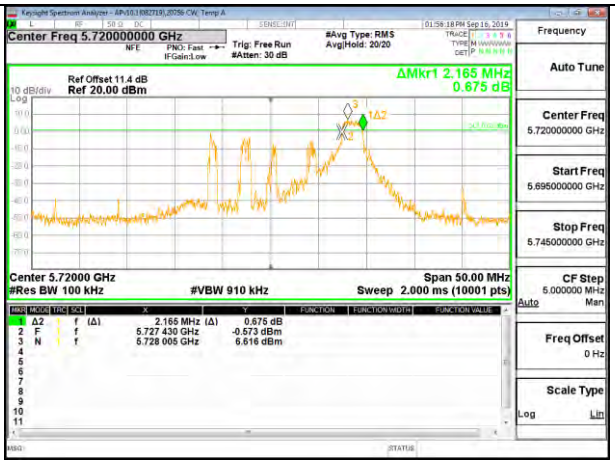


HIGH CHANNEL CHAIN 0

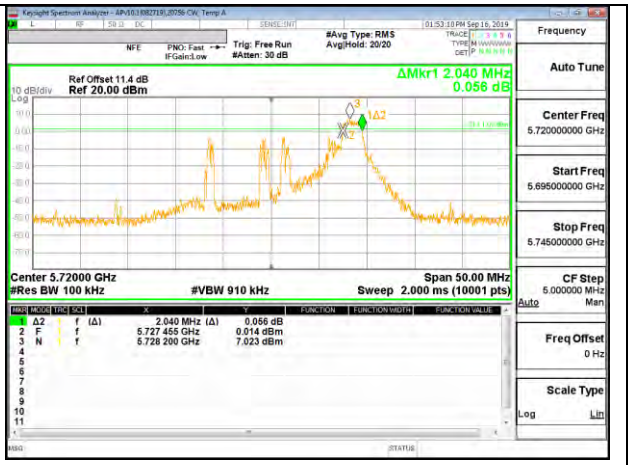


HIGH CHANNEL CHAIN 1

26-Tones, RU Index 8



CHANNEL 144 CHAIN 0



CHANNEL 144 CHAIN 1

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

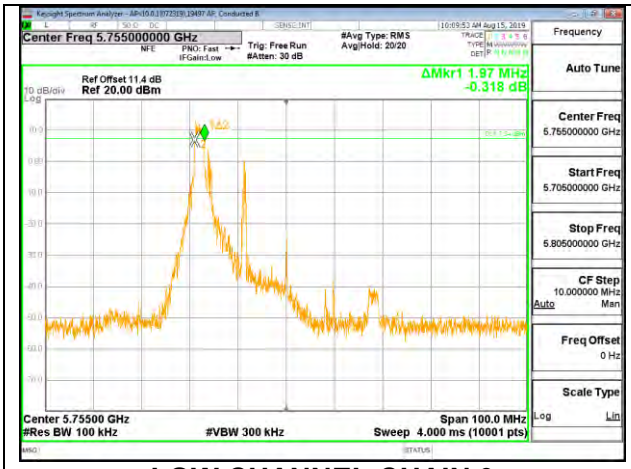
8.4.2. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

2TX Chain 0 + Chain 1 OFDMA MODE

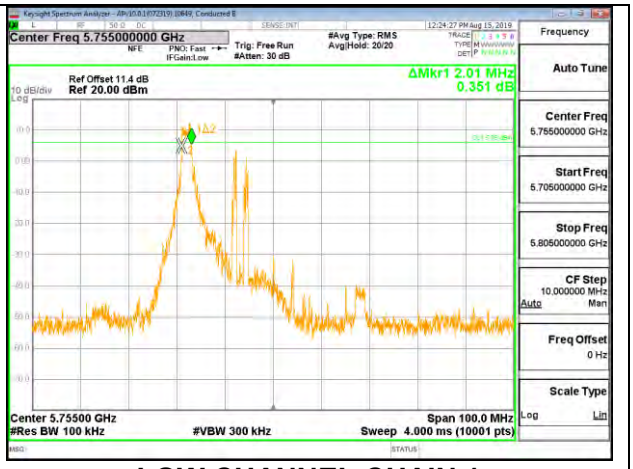
RU Size (Tones)	RU Index	Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
26T	0	Low	5755	1.97	2.01	0.5
	8	Low	5755	1.98	2.04	0.5
	17	High	5795	1.98	1.99	0.5
		142	5710	2.08	2.07	0.5

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

26-Tones, RU Index 0

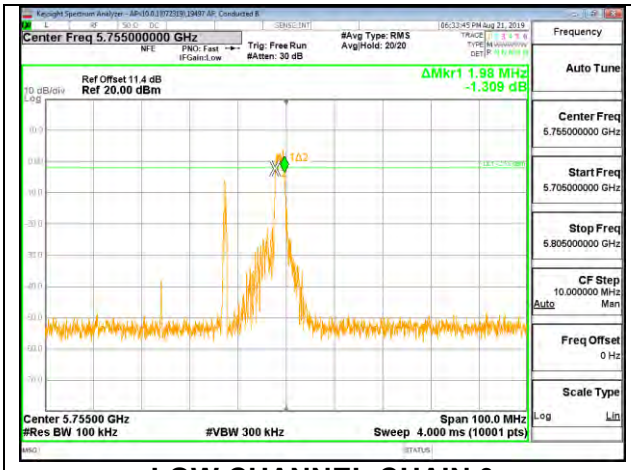


LOW CHANNEL CHAIN 0

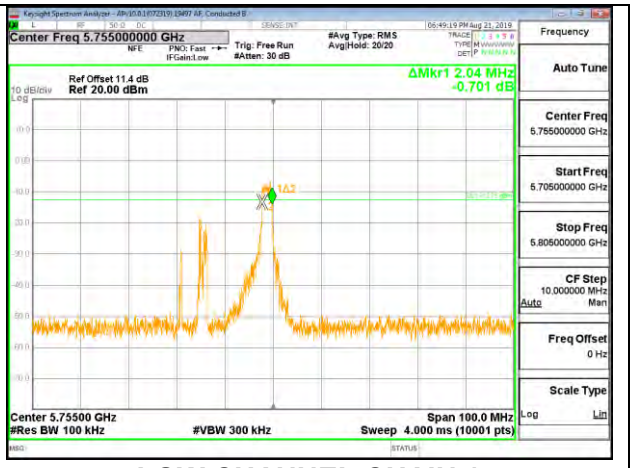


LOW CHANNEL CHAIN 1

26-Tones, RU Index 8



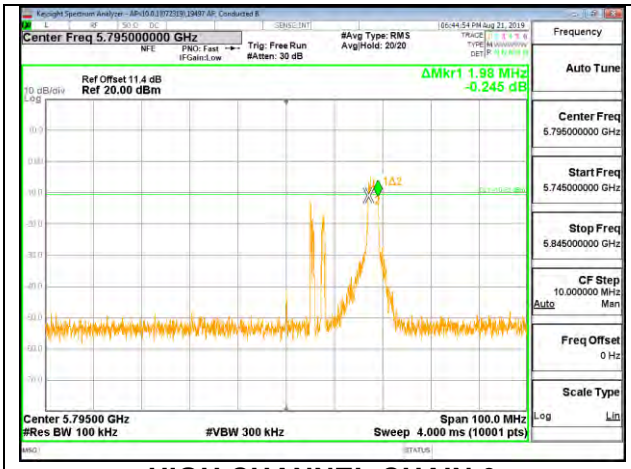
LOW CHANNEL CHAIN 0



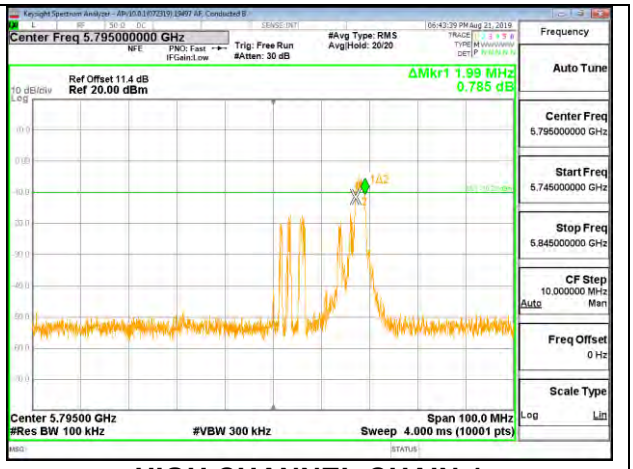
LOW CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

26-Tones, RU Index 17

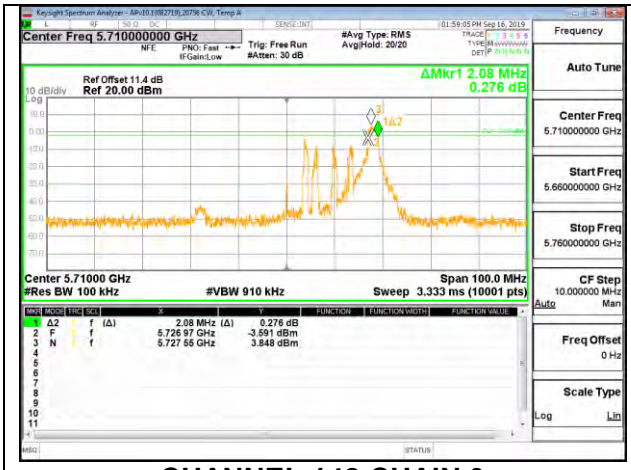


HIGH CHANNEL CHAIN 0

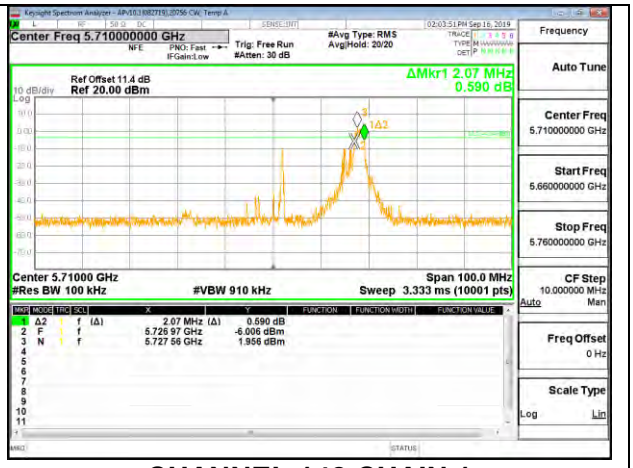


HIGH CHANNEL CHAIN 1

26-Tones, RU Index 17



CHANNEL 142 CHAIN 0



CHANNEL 142 CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

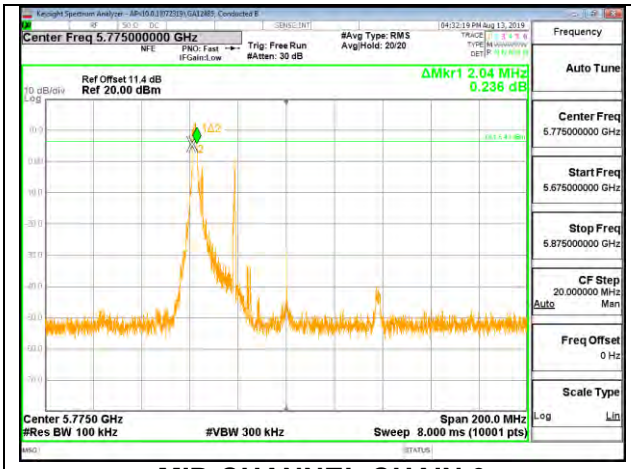
8.4.3. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

2TX Chain 0 + Chain 1 OFDMA MODE

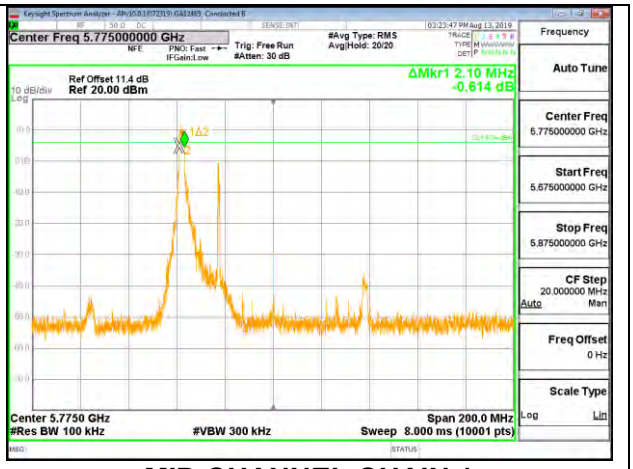
RU Size (Tones)	RU Index	Channel	Frequency (MHz)	6 dB BW Chain 0 (MHz)	6 dB BW Chain 1 (MHz)	Minimum Limit (MHz)
26T	0	Mid	5785	2.04	2.10	0.5
	18	Mid	5785	2.66	2.62	0.5
	36	Mid	5785	2.08	2.08	0.5
		138	5690	2.06	2.10	0.5

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

26-Tones, RU Index 0

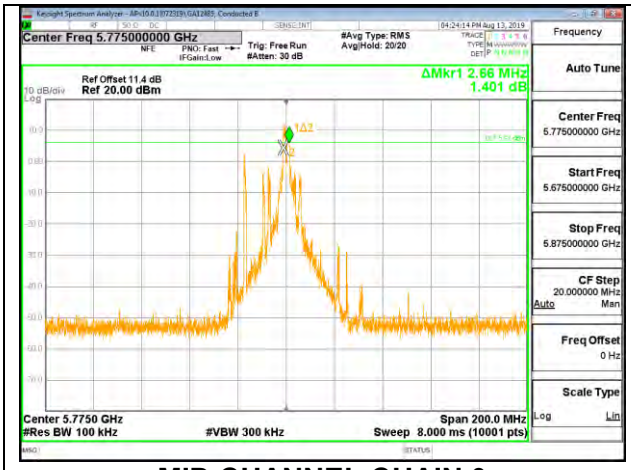


MID CHANNEL CHAIN 0

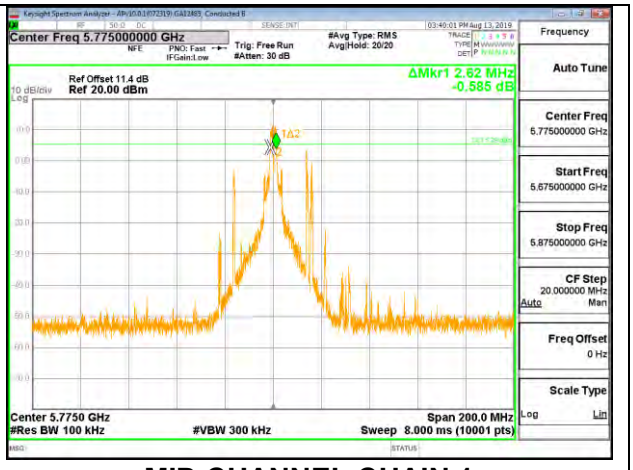


MID CHANNEL CHAIN 1

26-Tones, RU Index 18



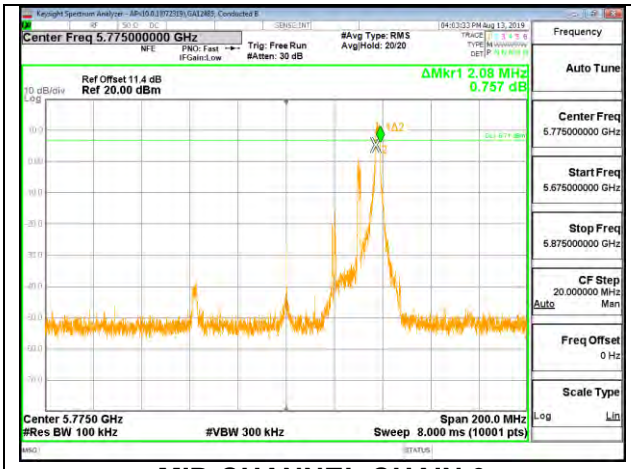
MID CHANNEL CHAIN 0



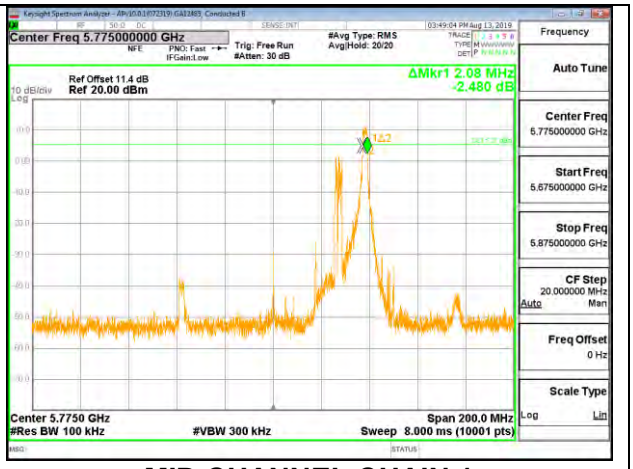
MID CHANNEL CHAIN 1

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

26-Tones, RU Index 36

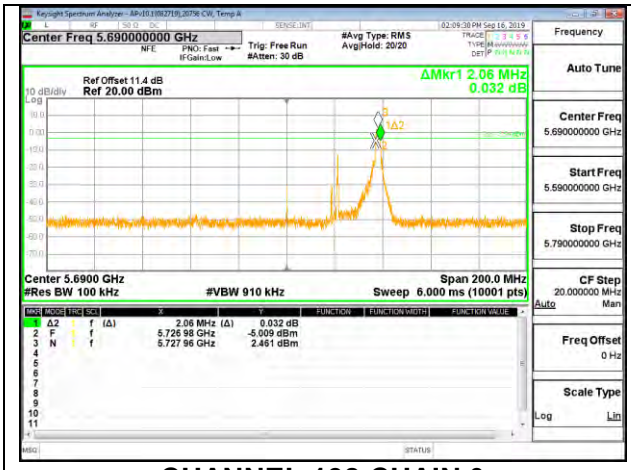


MID CHANNEL CHAIN 0

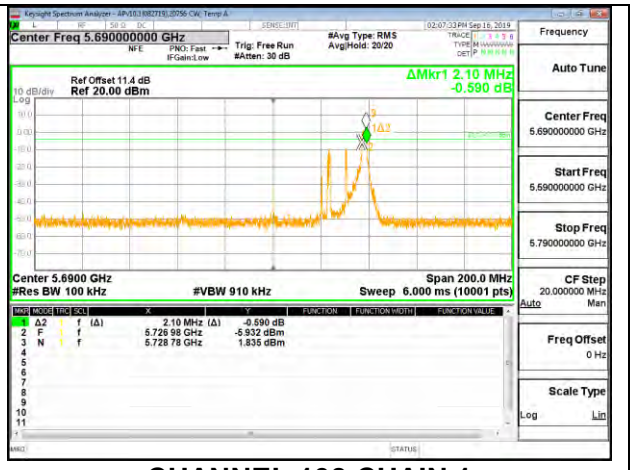


MID CHANNEL CHAIN 1

26-Tones, RU Index 36



CHANNEL 138 CHAIN 0



CHANNEL 138 CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

8.5. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz
The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

RSS-247

Band 5.15-5.25 GHz
The maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

Band 5.25-5.35 GHz
The maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Bands 5.47-5.6 GHz and 5.65-5.725 GHz
The maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Band 5.725-5.85 GHz
The maximum conducted output power shall not exceed 1 W. The power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02 v02r01, Section E.2.b (Method SA-1) was used.

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

DIRECTIONAL ANTENNA GAIN

For 2 TX:

Tx chains are uncorrelated for power and PSD due to the device supporting SDM in all 11ax MIMO modes. The directional gains are as follows:

Band (GHz)	Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)
5.2	6.00	3.00	4.75
5.3	7.80	3.50	6.16
5.6	8.00	4.00	6.45
5.8	8.30	4.60	6.83

RESULTS

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

8.5.1. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

2TX Chain 0 + Chain 1 SU MODE

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5745	6.83	6.83	29.17	29.17
Mid	5785	6.83	6.83	29.17	29.17
High	5825	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	18.48	17.99	21.25	29.17	-7.92
Mid	5785	18.32	18.33	21.34	29.17	-7.83
High	5825	18.36	18.10	21.24	29.17	-7.93

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 242-Tones, RU Index 61

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5745	6.83	6.83	29.17	29.17
Mid	5785	6.83	6.83	29.17	29.17
High	5825	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

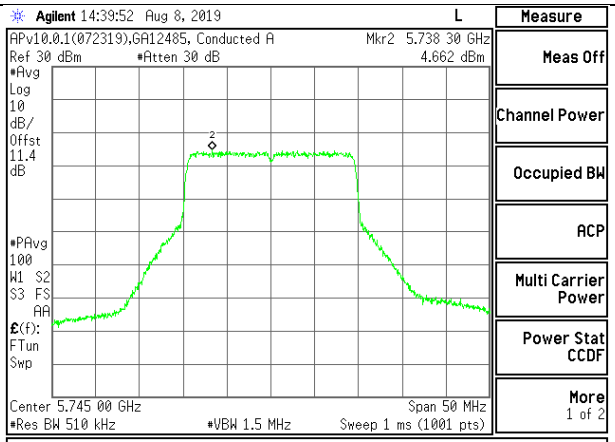
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	18.60	18.13	21.38	29.17	-7.79
Mid	5785	18.37	18.36	21.38	29.17	-7.79
High	5825	18.56	18.22	21.40	29.17	-7.77

PSD Results

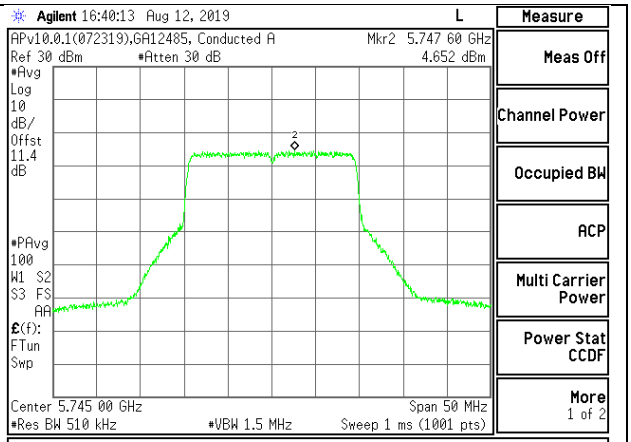
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low	5745	4.662	4.652	7.67	29.17	-21.50
Mid	5785	4.354	4.494	7.43	29.17	-21.74
High	5825	4.544	4.366	7.47	29.17	-21.70

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

LOW CHANNEL

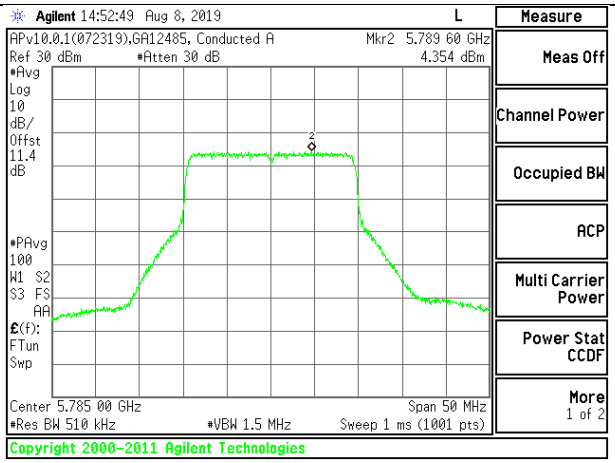


LOW CHANNEL CHAIN 0

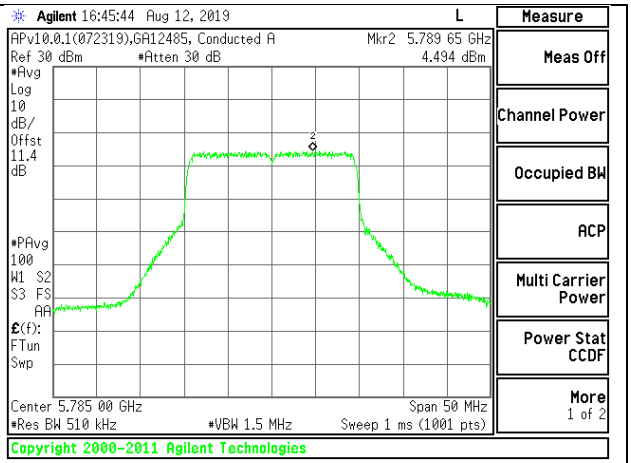


LOW CHANNEL CHAIN 1

MID CHANNEL

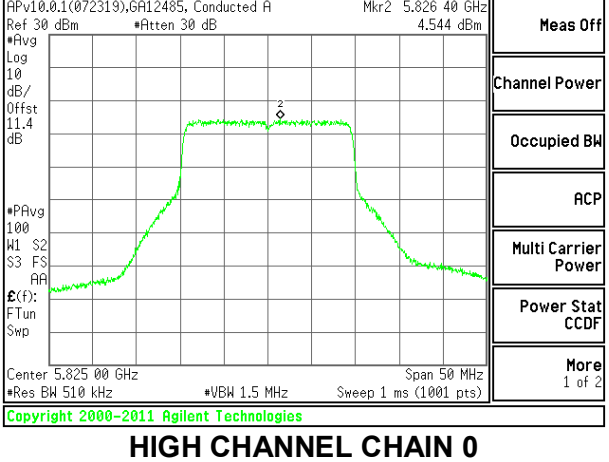


MID CHANNEL CHAIN 0

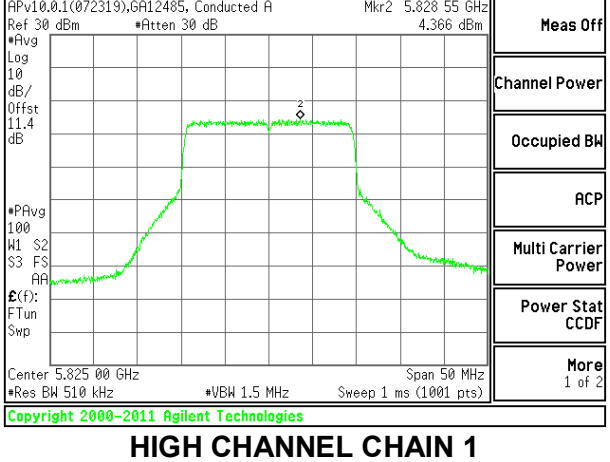


MID CHANNEL CHAIN 1

HIGH CHANNEL



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 106-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low / RU53	5745	6.83	6.83	29.17	29.17
Mid / RU53	5785	6.83	6.83	29.17	29.17
High / RU54	5825	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

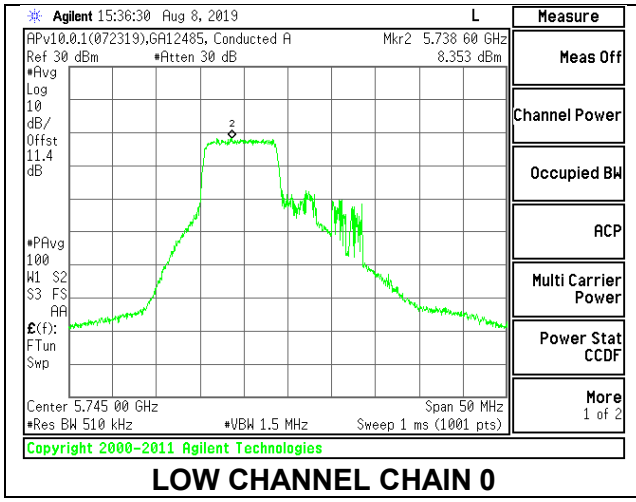
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU53	5745	18.48	18.18	21.34	29.17	-7.83
Mid / RU53	5785	18.56	18.31	21.45	29.17	-7.72
High / RU54	5825	18.69	18.27	21.50	29.17	-7.67

PSD Results

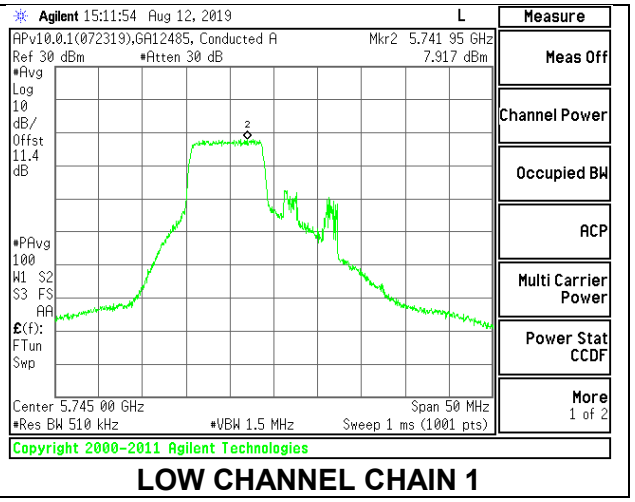
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low / RU53	5745	8.353	7.917	11.15	29.17	-18.02
Mid / RU53	5785	8.000	7.753	10.89	29.17	-18.28
High / RU54	5825	7.659	7.944	10.81	29.17	-18.36

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

RU Index 53

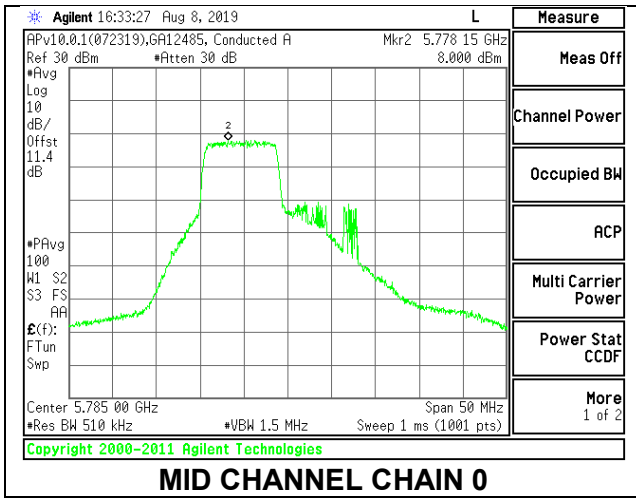


LOW CHANNEL CHAIN 0

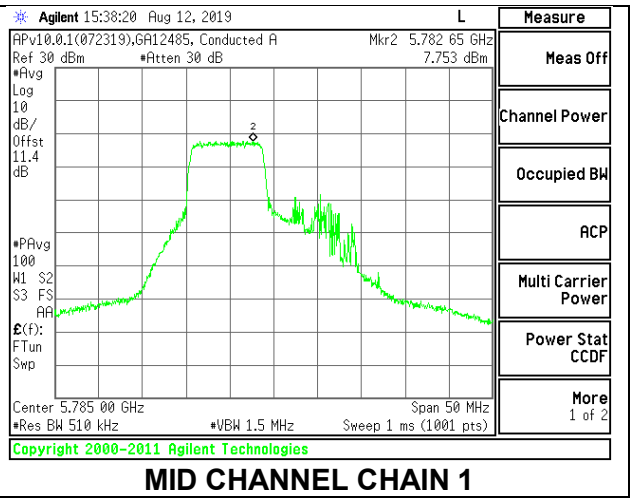


LOW CHANNEL CHAIN 1

RU Index 53

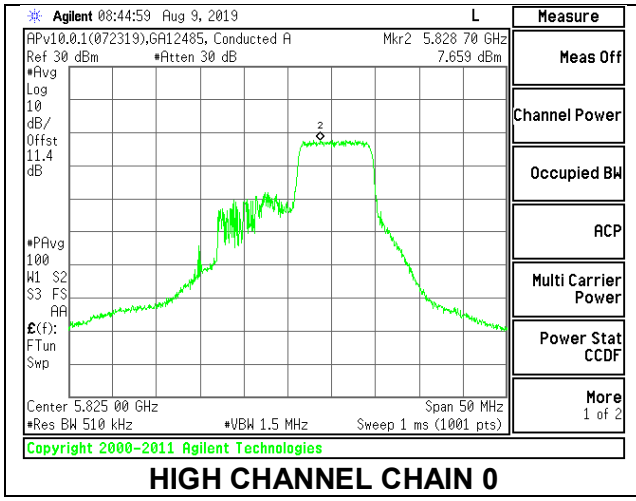


MID CHANNEL CHAIN 0

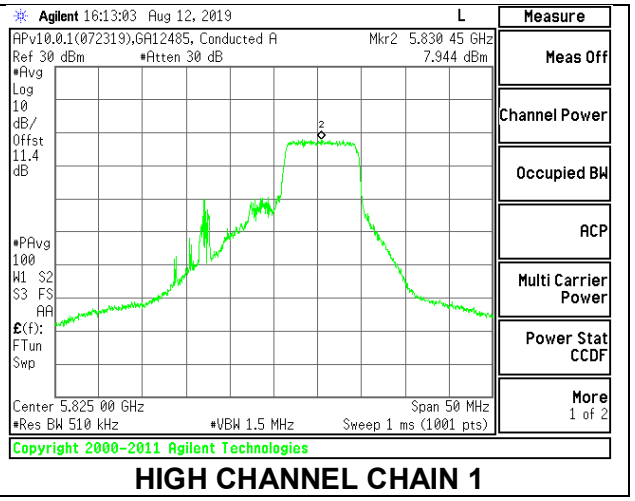


MID CHANNEL CHAIN 1

RU Index 54



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 52-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low / RU37	5745	6.83	6.83	29.17	29.17
Mid / RU38	5785	6.83	6.83	29.17	29.17
High / RU40	5825	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

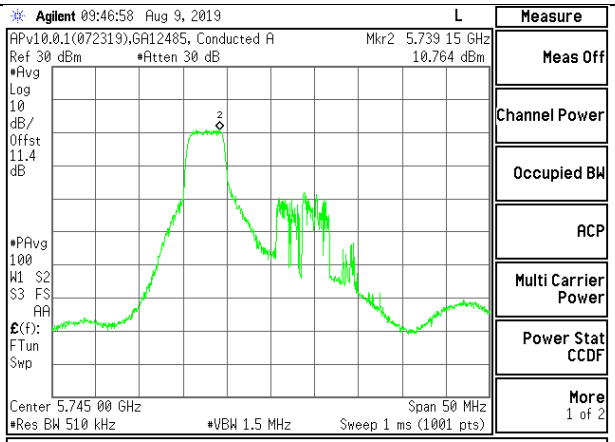
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU37	5745	18.64	18.12	21.40	29.17	-7.77
Mid / RU38	5785	18.63	18.51	21.58	29.17	-7.59
High / RU40	5825	18.68	18.38	21.54	29.17	-7.63

PSD Results

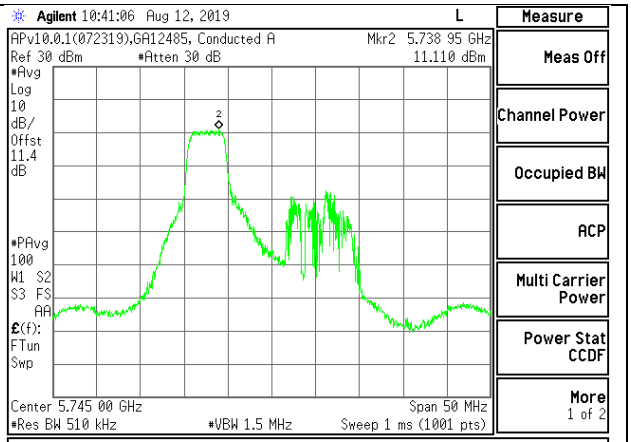
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low / RU37	5745	10.764	11.110	13.95	29.17	-15.22
Mid / RU38	5785	10.871	11.182	14.04	29.17	-15.13
High / RU40	5825	10.621	11.218	13.94	29.17	-15.23

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

RU Index 37

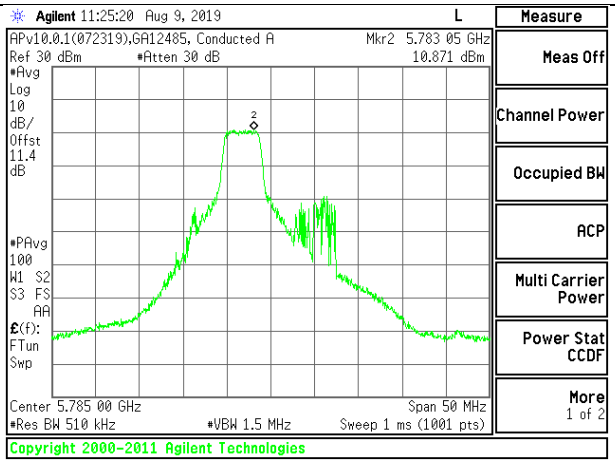


LOW CHANNEL CHAIN 0

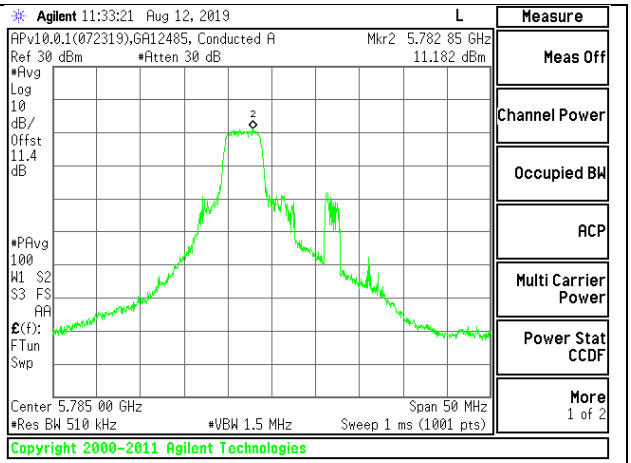


LOW CHANNEL CHAIN 1

RU Index 38

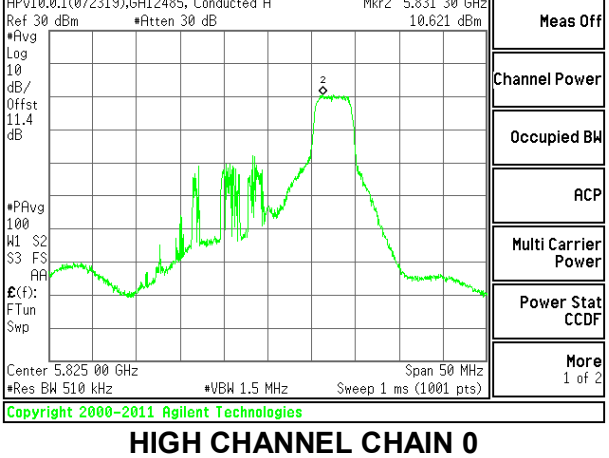


MID CHANNEL CHAIN 0

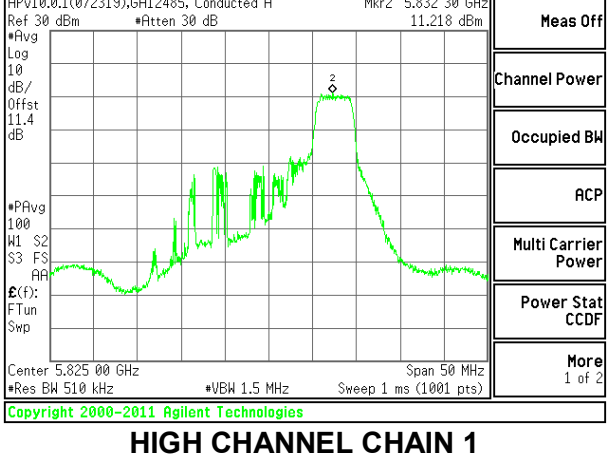


MID CHANNEL CHAIN 1

HIGH CHANNEL



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 26-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low / RU0	5745	6.83	6.83	29.17	29.17
Mid / RU4	5785	6.83	6.83	29.17	29.17
High / RU8	5825	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

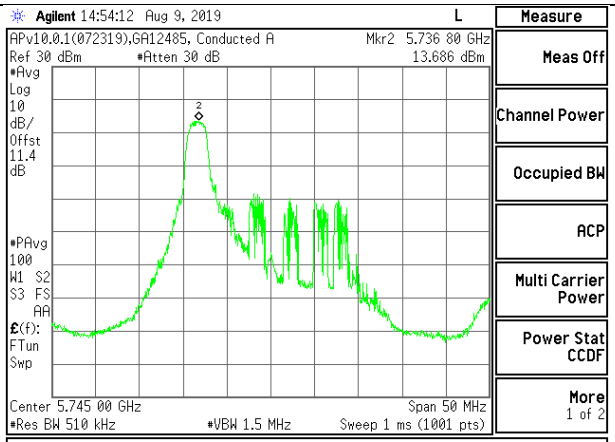
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU0	5745	18.24	17.73	21.00	29.17	-8.17
Mid / RU4	5785	18.26	18.18	21.23	29.17	-7.94
High / RU8	5825	18.33	18.01	21.18	29.17	-7.99

PSD Results

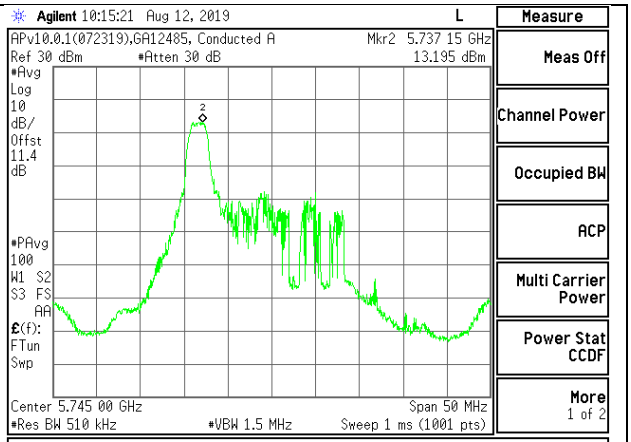
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low / RU0	5745	13.686	13.195	16.46	29.17	-12.71
Mid / RU4	5785	13.279	13.484	16.39	29.17	-12.78
High / RU8	5825	13.111	13.738	16.45	29.17	-12.72

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

RU Index 0

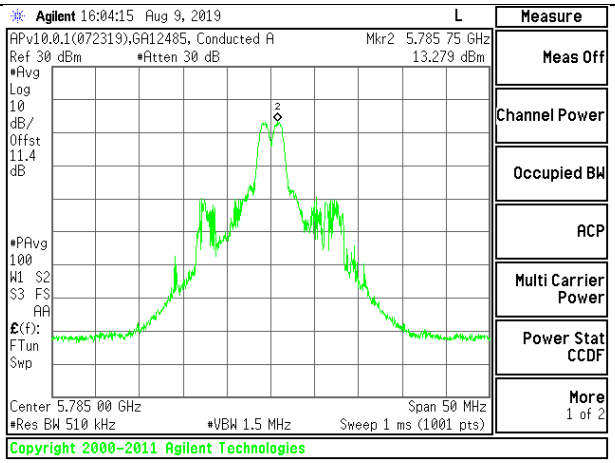


LOW CHANNEL CHAIN 0

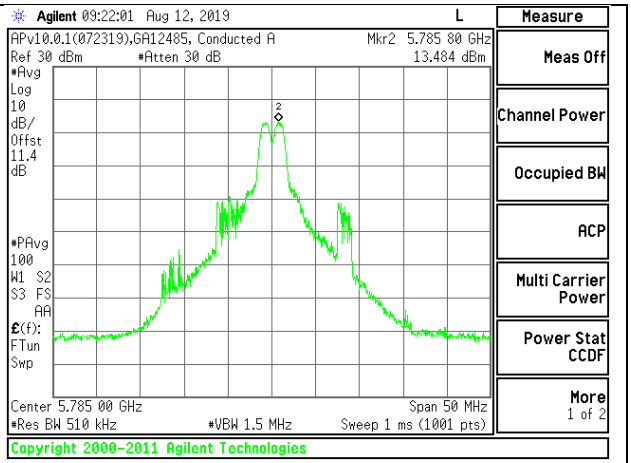


LOW CHANNEL CHAIN 1

RU Index 4

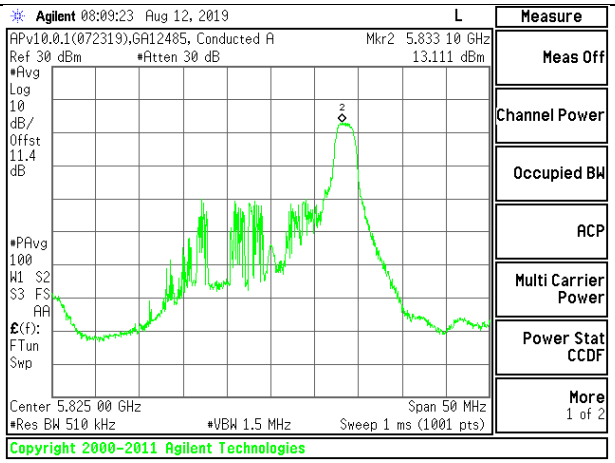


MID CHANNEL CHAIN 0

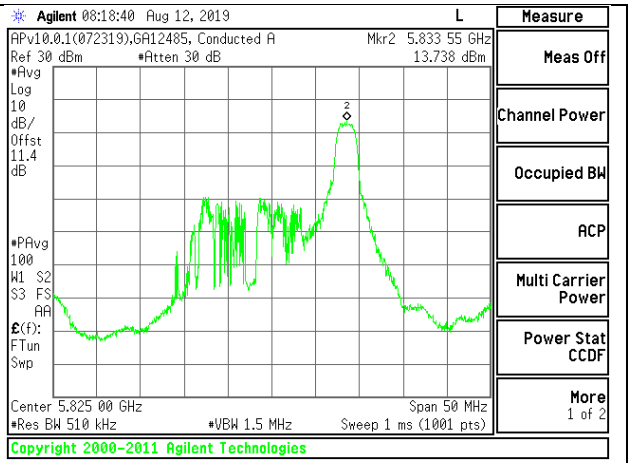


MID CHANNEL CHAIN 1

RU Index 8



HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

8.5.2. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

2TX Chain 0 + Chain 1 SU MODE

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5755	6.83	6.83	29.17	29.17
High	5795	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	17.53	17.39	20.47	29.17	-8.70
High	5795	17.98	17.78	20.89	29.17	-8.28

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 484-Tones, RU Index 65

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5755	6.83	6.83	29.17	29.17
High	5795	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

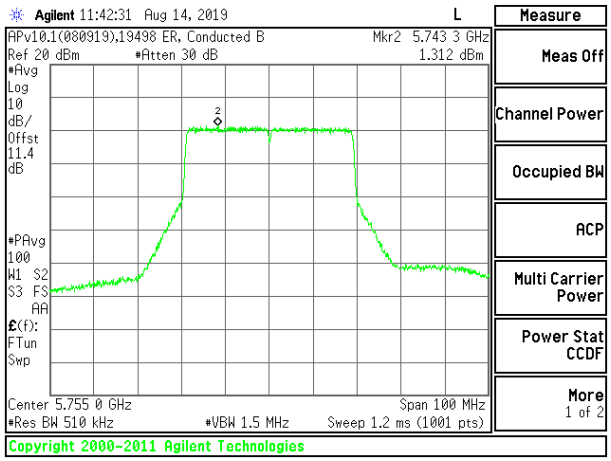
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	18.00	17.93	20.98	29.17	-8.19
High	5795	18.09	18.03	21.07	29.17	-8.10

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low	5755	1.312	1.159	4.25	29.17	-24.92
High	5795	1.388	1.019	4.22	29.17	-24.95

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

LOW CHANNEL

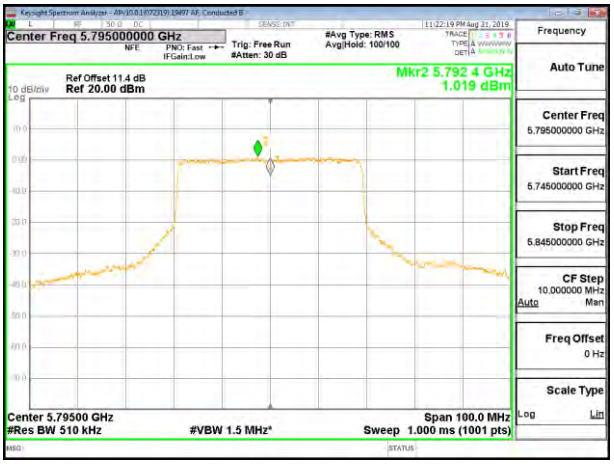


LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

HIGH CHANNEL

HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 242-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low / RU61	5755	6.83	6.83	29.17	29.17
High / RU62	5795	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

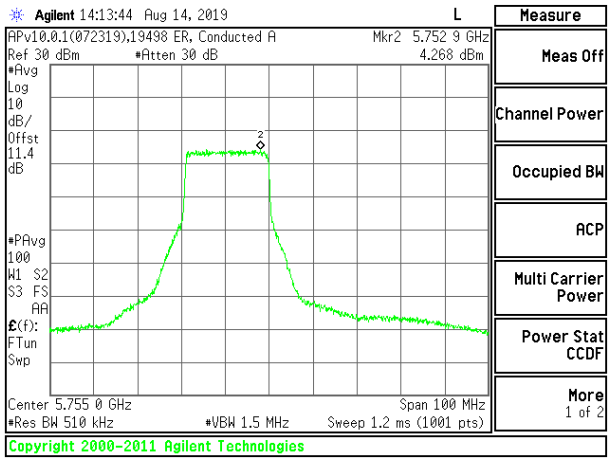
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU61	5755	18.54	18.23	21.40	29.17	-7.77
High / RU62	5795	18.37	18.19	21.29	29.17	-7.88

PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low / RU61	5755	4.268	3.816	7.06	29.17	-22.11
High / RU62	5795	3.936	3.445	6.71	29.17	-22.46

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

RU Index 61

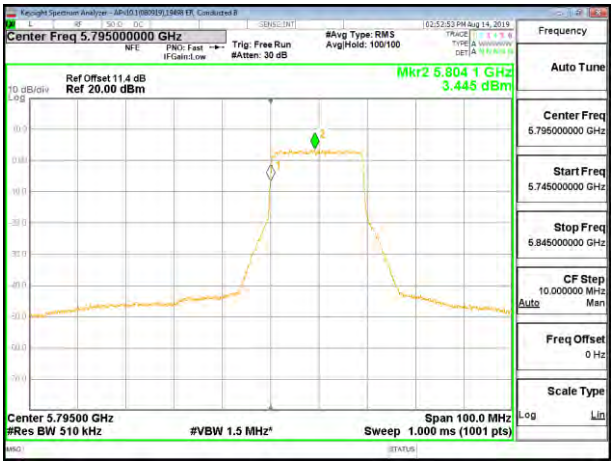


LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

RU Index 62

HIGH CHANNEL CHAIN 0



HIGH CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 106-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low / RU53	5755	6.83	6.83	29.17	29.17
Low / RU54	5755	6.83	6.83	29.17	29.17
High / RU56	5795	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU53	5755	18.63	18.31	21.48	29.17	-7.69
Low / RU54	5755	18.60	18.02	21.33	29.17	-7.84
High / RU56	5795	18.56	18.48	21.53	29.17	-7.64

PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low / RU53	5755	6.736	6.404	9.58	29.17	-19.59
Low / RU54	5755	6.621	6.594	9.62	29.17	-19.55
High / RU56	5795	6.930	6.899	9.92	29.17	-19.25

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

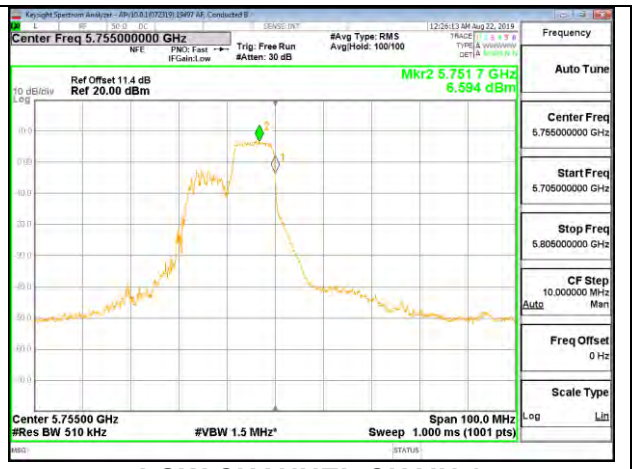
RU Index 53

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

RU Index 54

LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

RU Index 56

HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 52-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low / RU37	5755	6.83	6.83	29.17	29.17
Low / RU40	5755	6.83	6.83	29.17	29.17
High / RU44	5795	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU37	5755	18.63	18.00	21.34	29.17	-7.83
Low / RU40	5755	18.50	18.03	21.28	29.17	-7.89
High / RU44	5795	18.47	18.36	21.43	29.17	-7.74

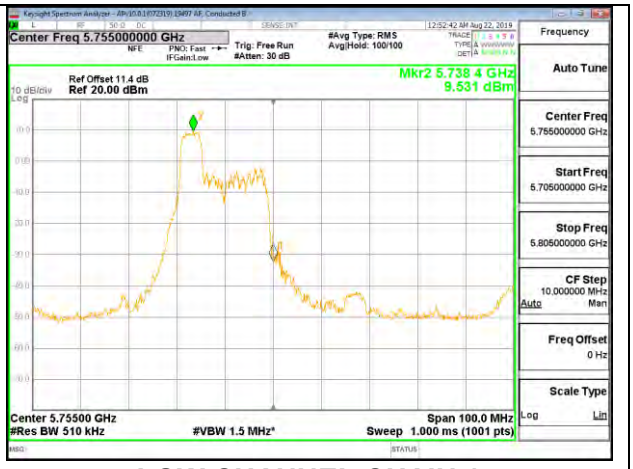
PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low / RU37	5755	9.126	9.531	12.34	29.17	-16.83
Low / RU40	5755	9.200	9.367	12.29	29.17	-16.88
High / RU44	5795	9.125	9.316	12.23	29.17	-16.94

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

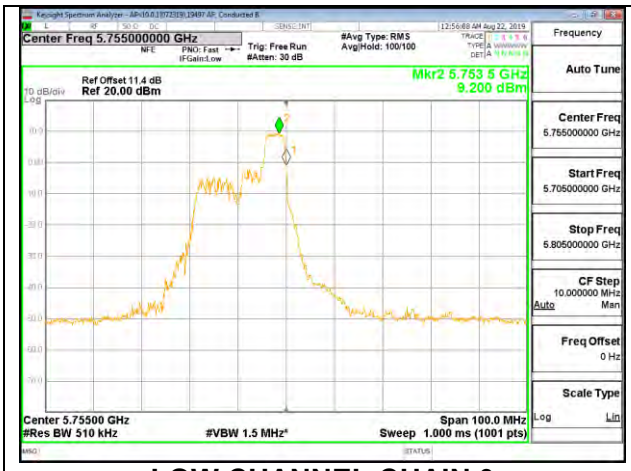
RU Index 37

LOW CHANNEL CHAIN 0

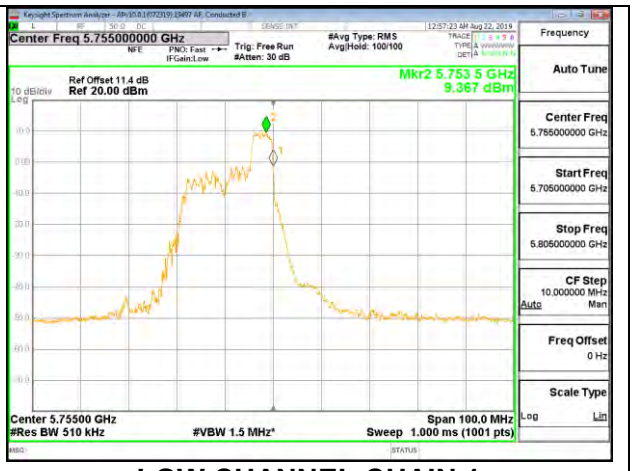


LOW CHANNEL CHAIN 1

RU Index 40



LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

RU Index 44

HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 26-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low / RU0	5755	6.83	6.83	29.17	29.17
Low / RU8	5755	6.83	6.83	29.17	29.17
High / RU17	5795	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU0	5755	18.47	18.06	21.28	29.17	-7.89
Low / RU8	5755	18.31	18.19	21.26	29.17	-7.91
High / RU17	5795	18.46	18.20	21.34	29.17	-7.83

PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low / RU0	5755	11.638	11.356	14.51	29.17	-14.66
Low / RU8	5755	11.975	12.042	15.02	29.17	-14.15
High / RU17	5795	12.573	11.951	15.28	29.17	-13.89

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

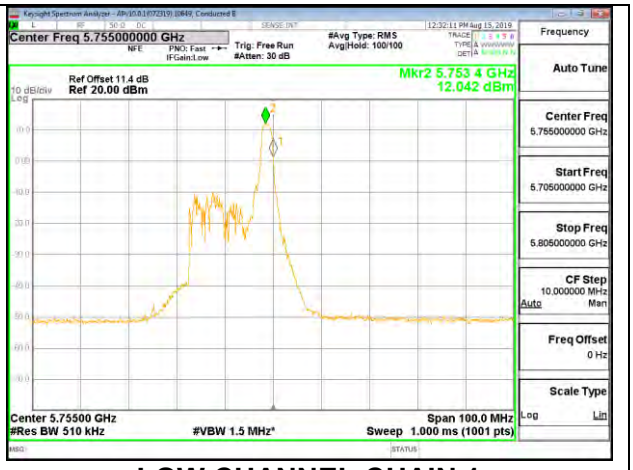
RU Index 0

LOW CHANNEL CHAIN 0

LOW CHANNEL CHAIN 1

RU Index 8

LOW CHANNEL CHAIN 0



LOW CHANNEL CHAIN 1

RU Index 17

HIGH CHANNEL CHAIN 0

HIGH CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

8.5.3. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

2TX Chain 0 + Chain 1 SU MODE

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5775	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	18.51	18.38	21.46	29.17	-7.71

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 996-Tones, RU Index 67

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5775	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

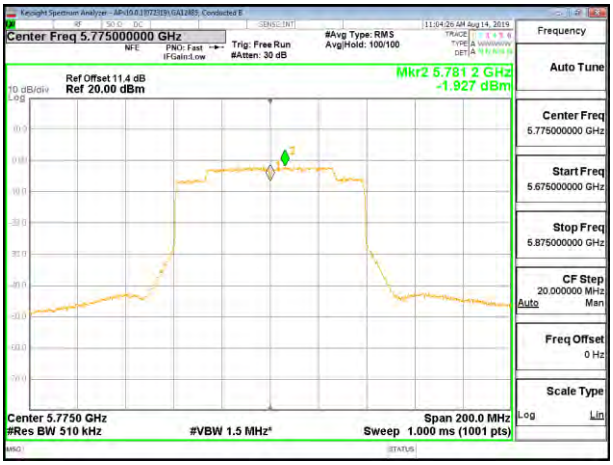
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	18.53	18.47	21.51	29.17	-7.66

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Mid	5775	-1.927	-1.511	1.30	29.17	-27.87

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

MID CHANNEL



MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 484-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid / RU65	5775	6.83	6.83	29.17	29.17
Mid / RU66	5775	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid / RU65	5775	18.54	18.45	21.51	29.17	-7.66
Mid / RU66	5775	18.46	18.59	21.54	29.17	-7.63

PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Mid / RU65	5775	0.083	0.024	3.06	29.17	-26.11
Mid / RU66	5775	0.154	0.198	3.19	29.17	-25.98

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

RU Index 65

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

RU Index 66

MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 242-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid / RU61	5775	6.83	6.83	29.17	29.17
Mid / RU62	5775	6.83	6.83	29.17	29.17
Mid / RU64	5775	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid / RU61	5775	18.57	18.25	21.42	29.17	-7.75
Mid / RU62	5775	18.69	18.72	21.72	29.17	-7.45
Mid / RU64	5775	18.49	18.36	21.44	29.17	-7.73

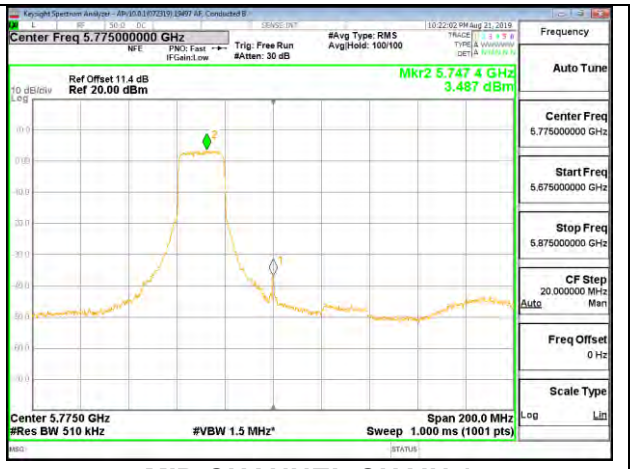
PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Mid / RU61	5775	3.422	3.487	6.46	29.17	-22.71
Mid / RU62	5775	3.406	3.490	6.46	29.17	-22.71
Mid / RU64	5775	3.470	3.576	6.53	29.17	-22.64

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

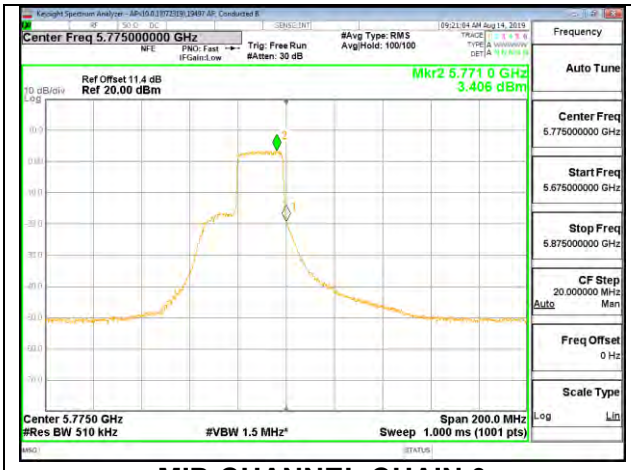
RU Index 61

MID CHANNEL CHAIN 0

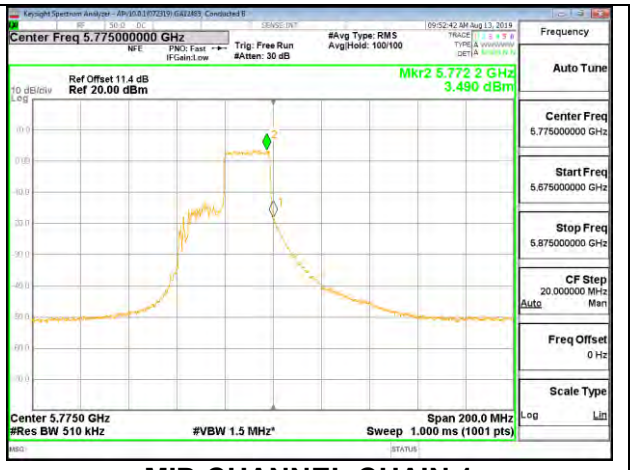


MID CHANNEL CHAIN 1

RU Index 62

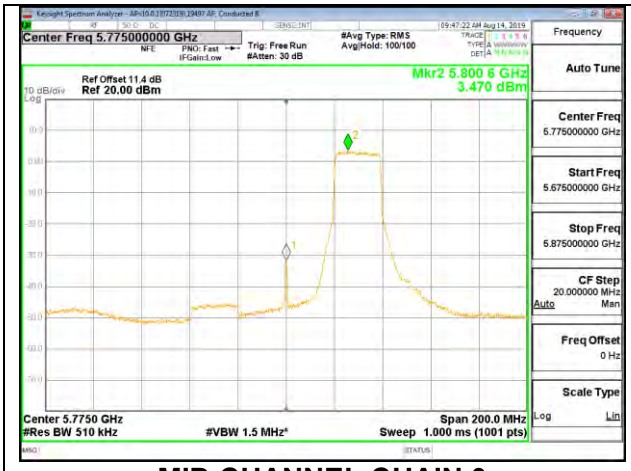


MID CHANNEL CHAIN 0

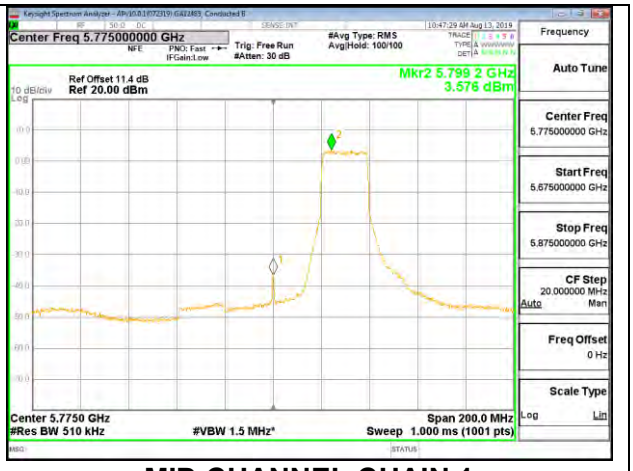


MID CHANNEL CHAIN 1

RU Index 64



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 106-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid / RU53	5775	6.83	6.83	29.17	29.17
Mid / RU56	5775	6.83	6.83	29.17	29.17
Mid / RU60	5775	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid / RU53	5775	18.52	18.34	21.44	29.17	-7.73
Mid / RU56	5775	18.57	18.57	21.58	29.17	-7.59
Mid / RU60	5775	18.43	18.42	21.44	29.17	-7.73

PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Mid / RU53	5775	6.495	6.304	9.41	29.17	-19.76
Mid / RU56	5775	7.254	6.684	9.99	29.17	-19.18
Mid / RU60	5775	6.631	6.679	9.67	29.17	-19.50

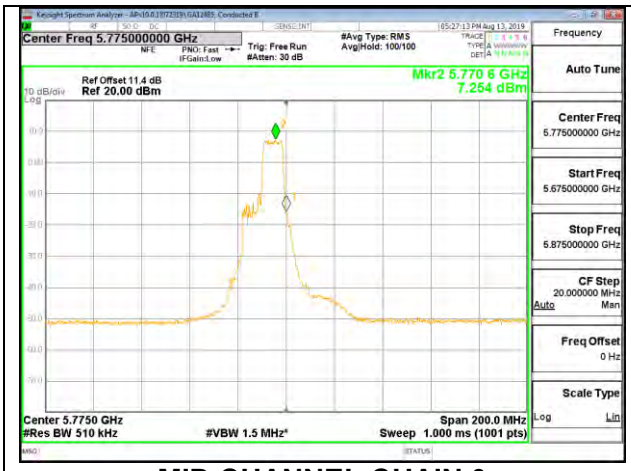
UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

RU Index 53

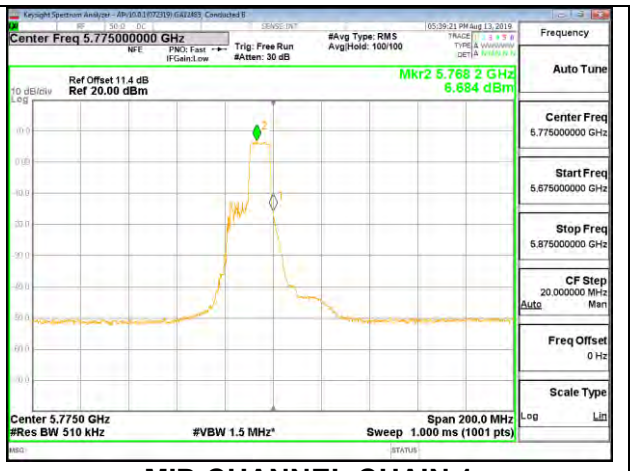
MID CHANNEL CHAIN 0

MID CHANNEL CHAIN 1

RU Index 56

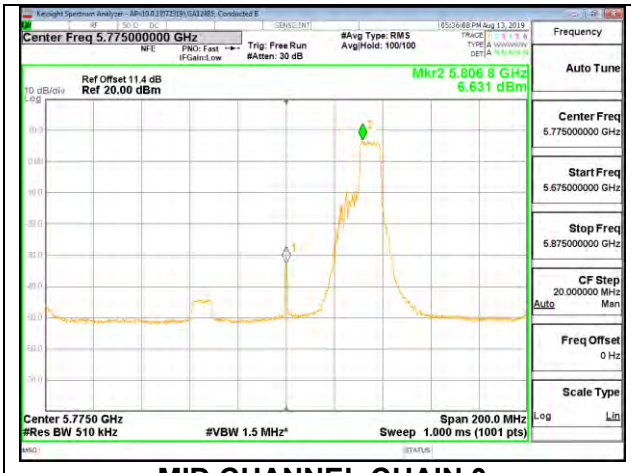


MID CHANNEL CHAIN 0

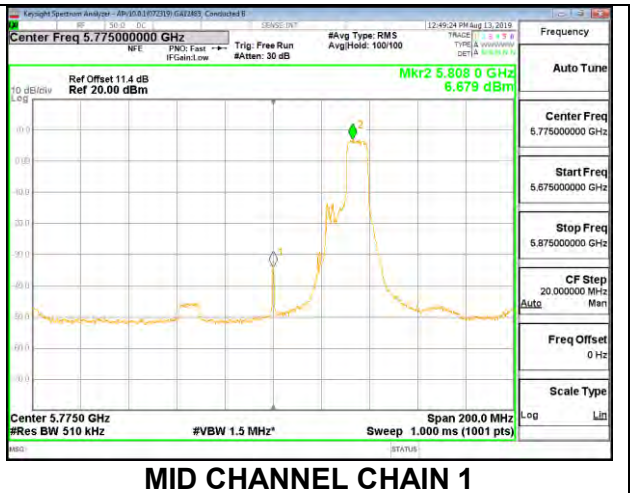


MID CHANNEL CHAIN 1

RU Index 60



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 52-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid / RU37	5775	6.83	6.83	29.17	29.17
Mid / RU44	5775	6.83	6.83	29.17	29.17
Mid / RU52	5775	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

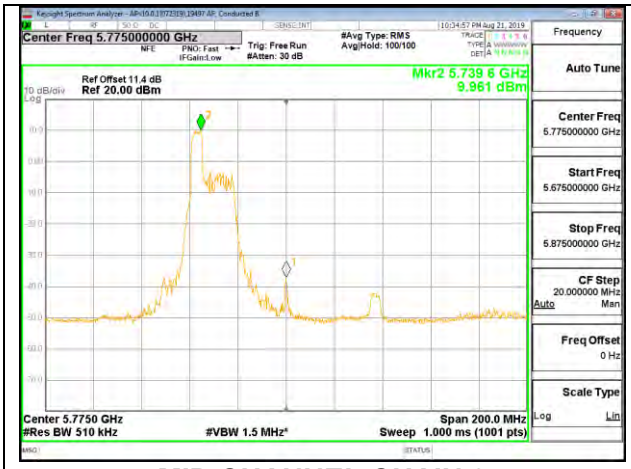
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid / RU37	5775	18.45	18.39	21.43	29.17	-7.74
Mid / RU44	5775	18.73	18.65	21.70	29.17	-7.47
Mid / RU52	5775	18.56	18.31	21.45	29.17	-7.72

PSD Results

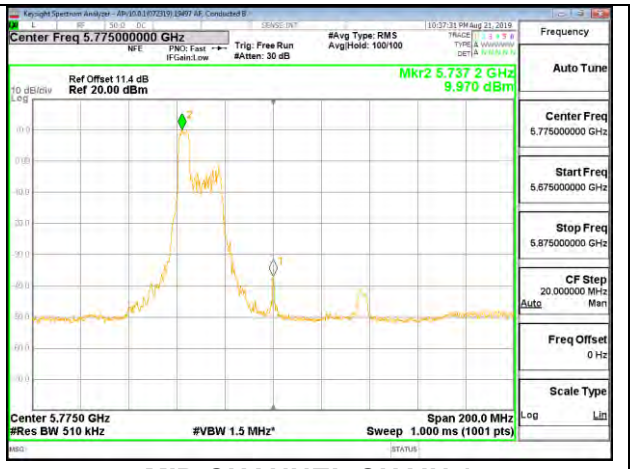
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Mid / RU37	5775	9.961	9.970	12.98	29.17	-16.19
Mid / RU44	5775	9.887	9.857	12.88	29.17	-16.29
Mid / RU52	5775	10.114	9.924	13.03	29.17	-16.14

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

RU Index 37

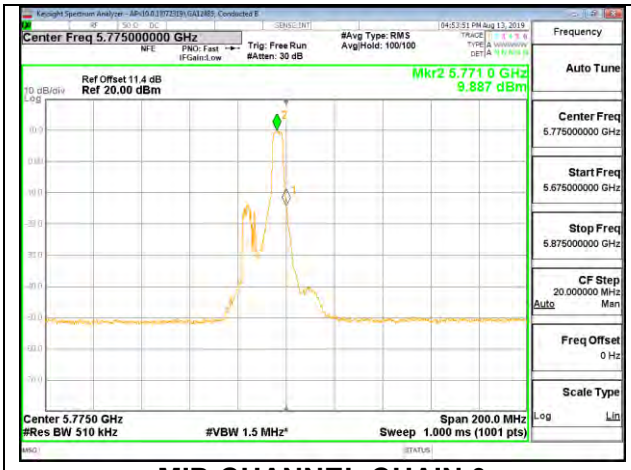


MID CHANNEL CHAIN 0

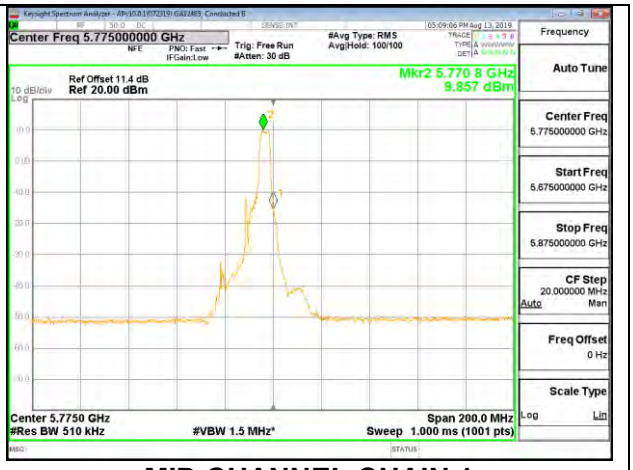


MID CHANNEL CHAIN 1

RU Index 44

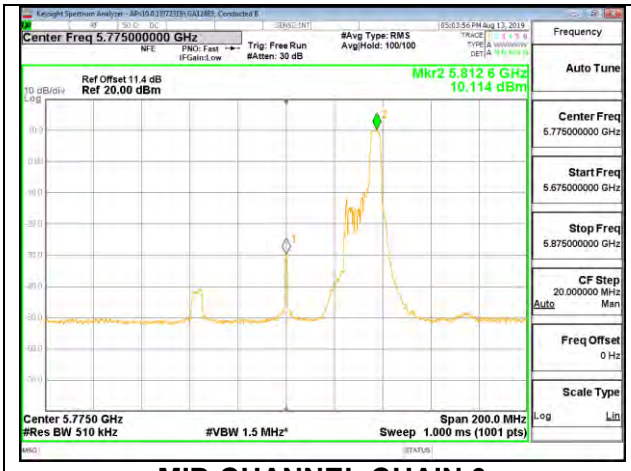


MID CHANNEL CHAIN 0

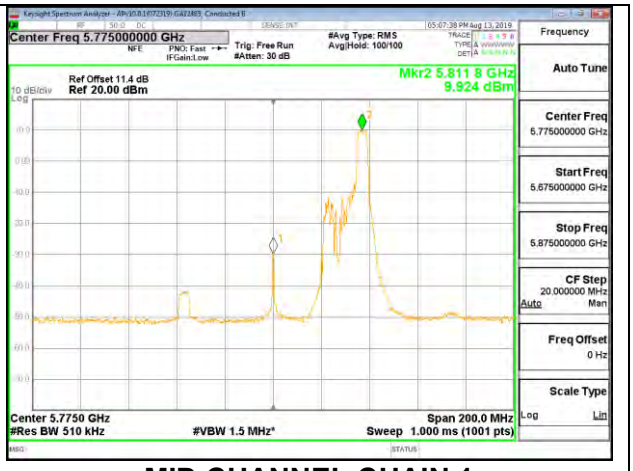


MID CHANNEL CHAIN 1

RU Index 52



MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

2TX Chain 0 + Chain 1 OFDMA MODE – 26-Tones

Antenna Gain and Limit

Channel / RU Index	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid / RU0	5775	6.83	6.83	29.17	29.17
Mid / RU18	5775	6.83	6.83	29.17	29.17
Mid / RU36	5775	6.83	6.83	29.17	29.17

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD

Output Power Results

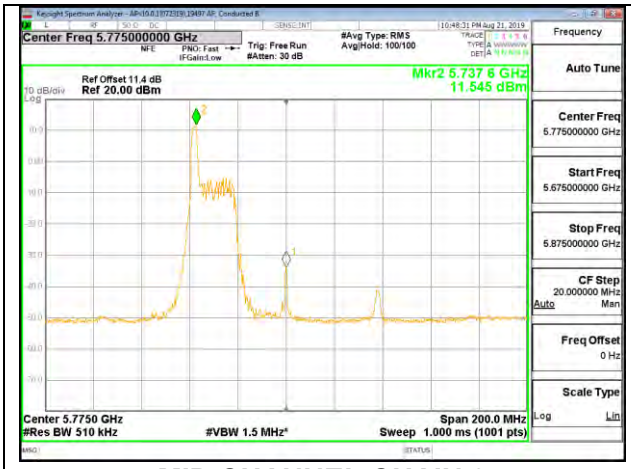
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid / RU0	5775	17.41	17.26	20.35	29.17	-8.82
Mid / RU18	5775	17.39	17.33	20.37	29.17	-8.80
Mid / RU36	5775	17.50	17.34	20.43	29.17	-8.74

PSD Results

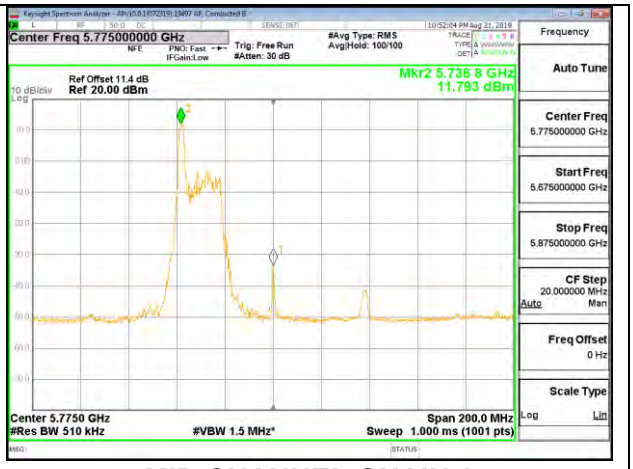
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 500kHz)	Chain 1 Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Mid / RU0	5775	11.545	11.793	14.68	29.17	-14.49
Mid / RU18	5775	12.334	12.109	15.23	29.17	-13.94
Mid / RU36	5775	11.932	12.127	15.04	29.17	-14.13

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

RU Index 0

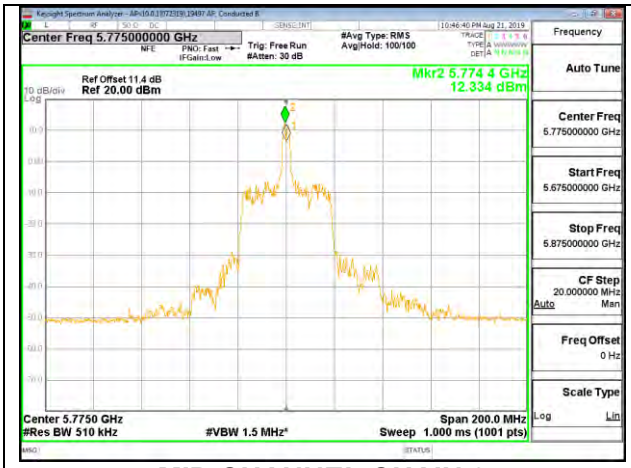


MID CHANNEL CHAIN 0

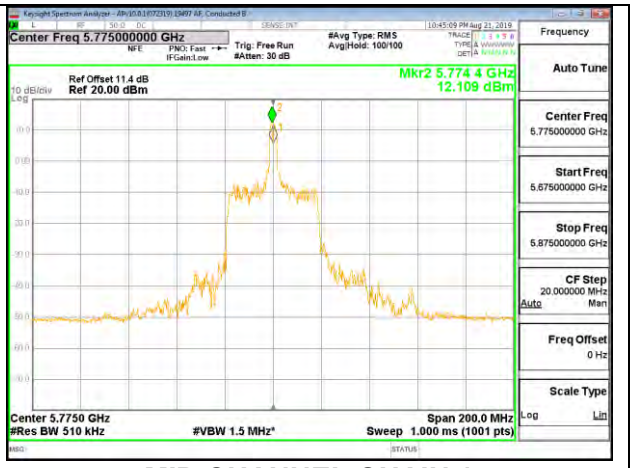


MID CHANNEL CHAIN 1

RU Index 18



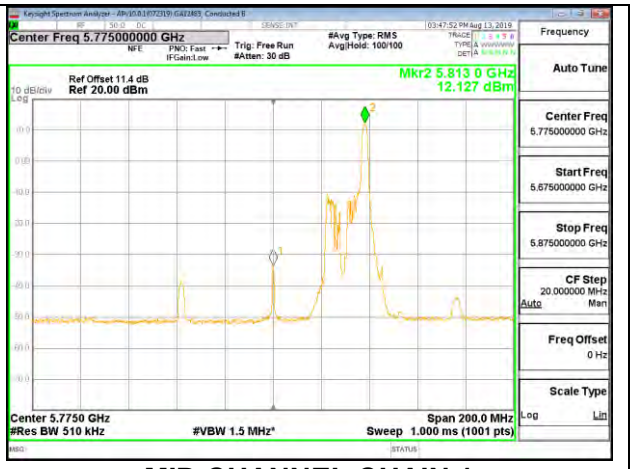
MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

RU Index 36

MID CHANNEL CHAIN 0



MID CHANNEL CHAIN 1

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

9. RADIATED TEST RESULTS FOR 11ax 5.8 GHz

LIMITS

FCC §15.205 and §15.209 -Restriced bands

FCC §15.407(b)(1-3) -Un-Restriced 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 80 cm above the ground plane for measurement below 1GHz; 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 measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

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 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 30MHz, below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

UL VERIFICATION SERVICES INC.
47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.