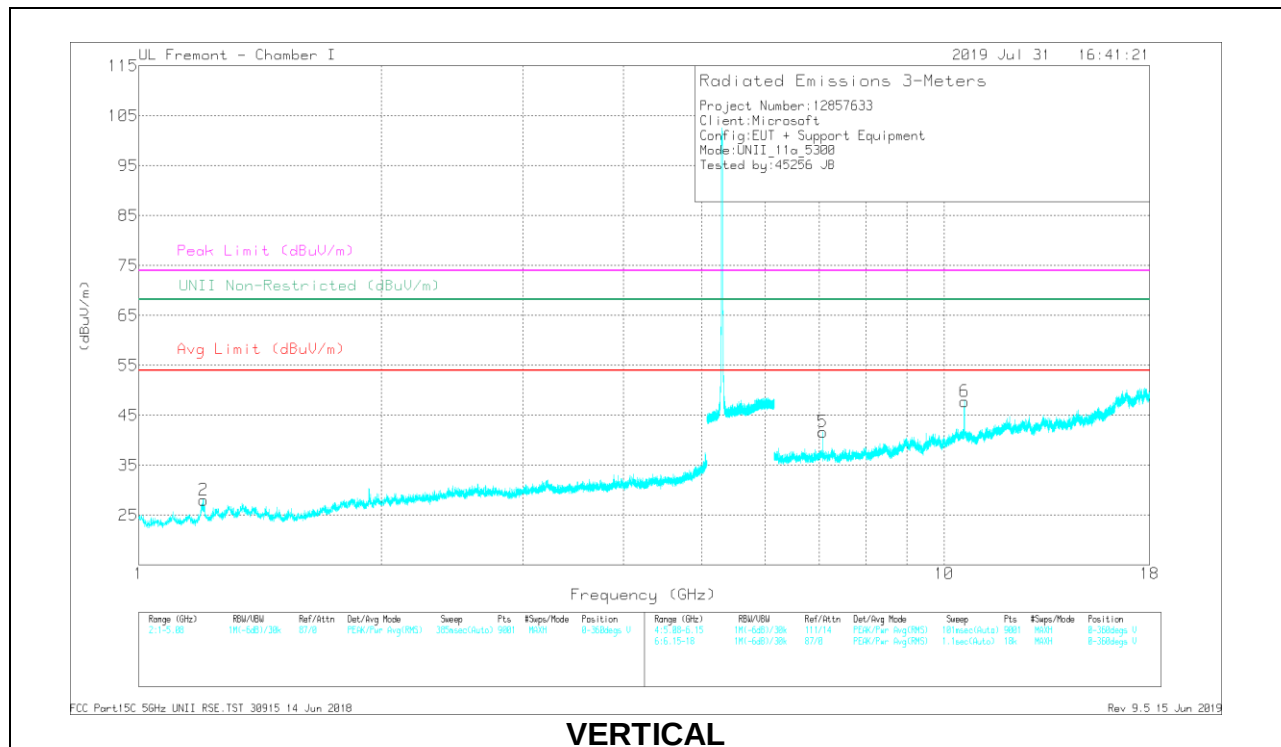
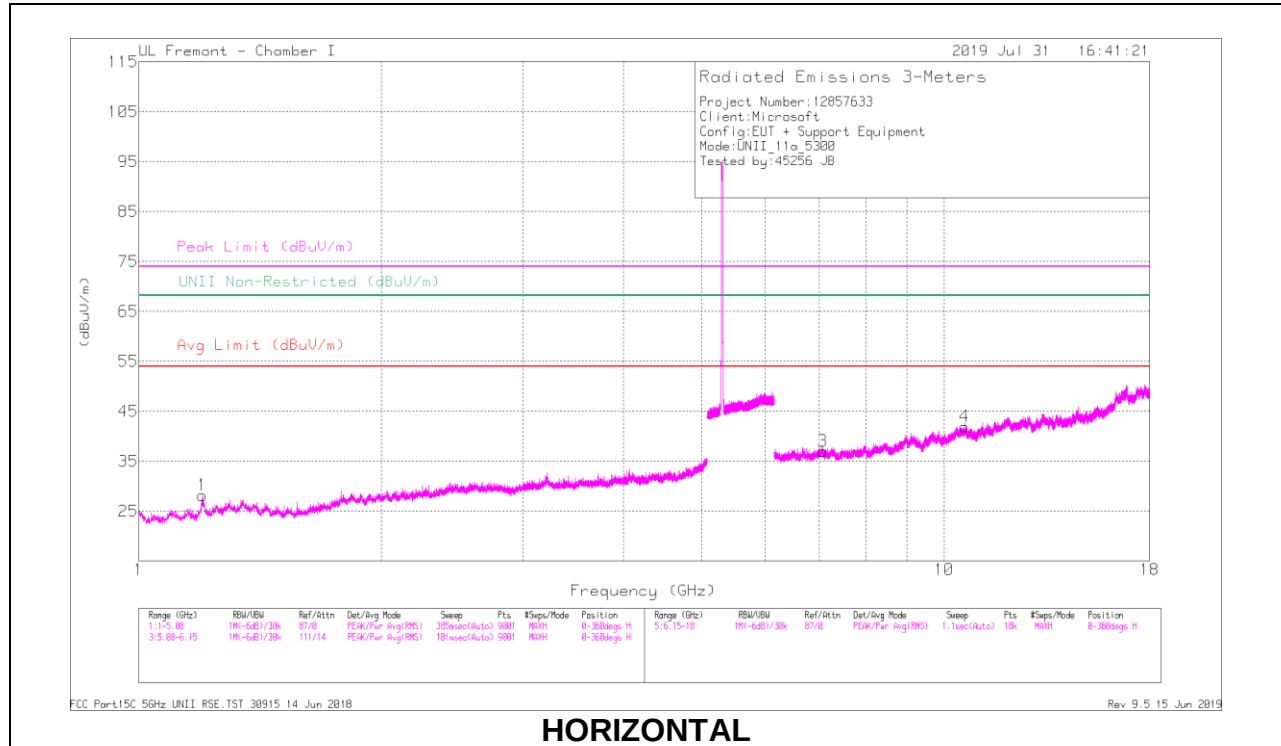


MID CHANNEL RESULTS



RADIATED EMISSIONS

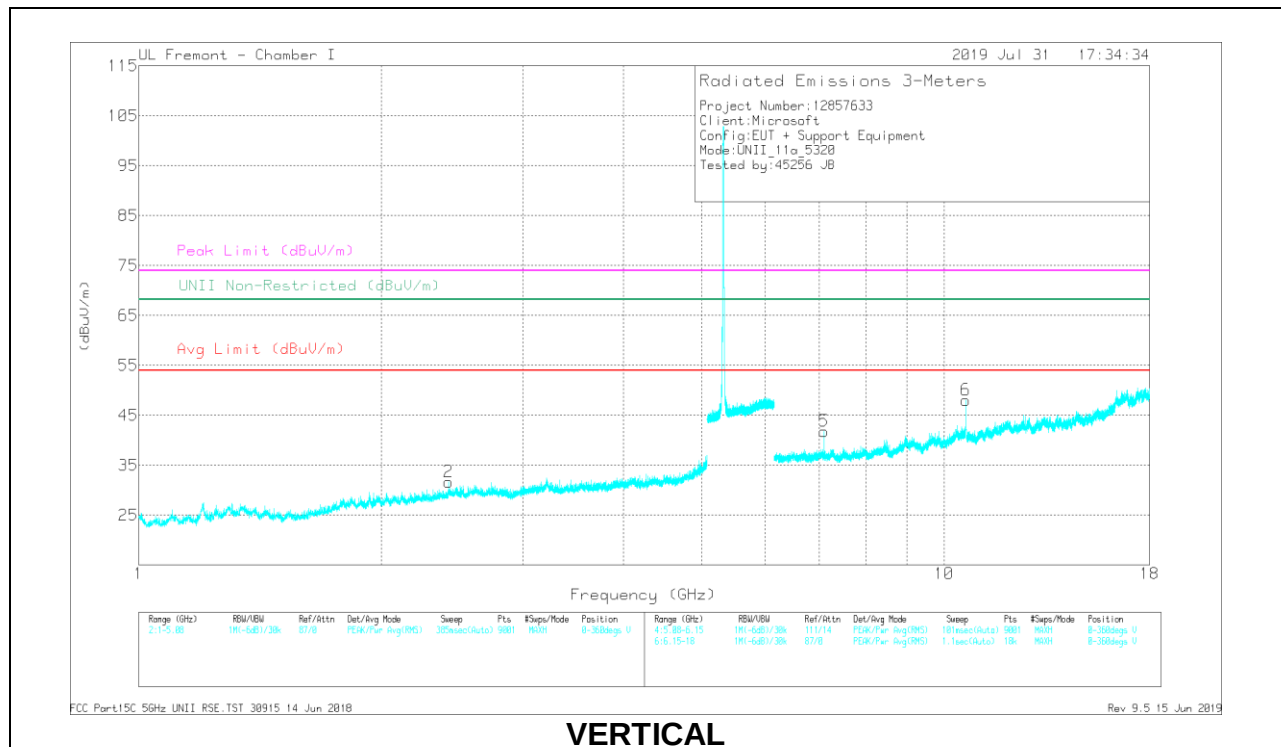
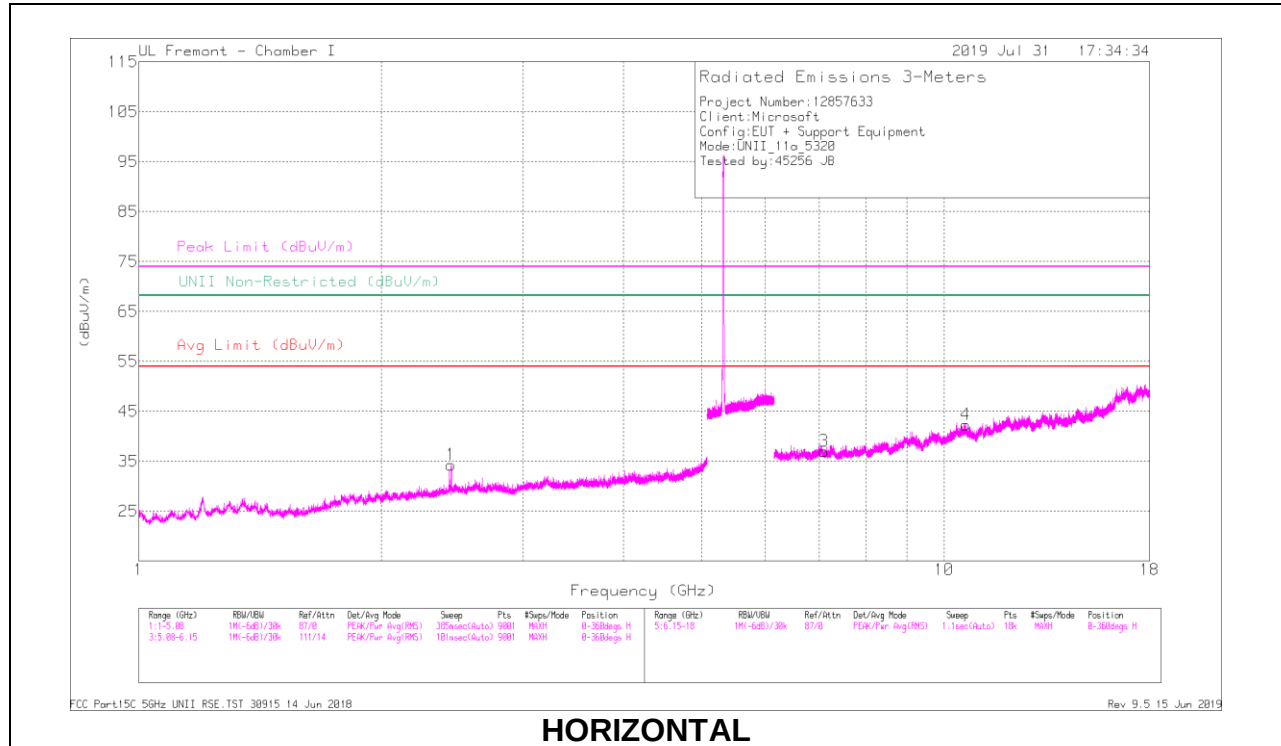
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp CMF for Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULR Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.1983	40.29	PK-U	28.4	-34	0	34.09	-	-	74	-39.31	-	-	17	146	H
	* 1.19937	31.7	ADR	28.5	-34	22	26.42	54	-27.58	-	-	-	-	17	146	H
2	* 1.20357	41.1	PK-U	28.5	-34	0	35.6	-	-	74	-38.4	-	-	126	137	V
	* 1.20241	30.37	ADR	28.5	-34	22	25.09	54	-28.91	-	-	-	-	126	137	V
5	* 10.60007	29.96	PK-U	37.9	-16.7	0	51.16	-	-	74	-22.84	-	-	34	280	H
	* 10.60007	21.75	ADR	37.9	-16.7	22	43.17	54	-10.83	-	-	-	-	34	280	H
3	7.07443	29.95	PK-U	35.6	-20.8	0	44.75	-	-	-	-	68.2	-23.45	77	222	H
	7.0668	32.14	PK-U	35.7	-20.7	0	47.14	-	-	-	-	68.2	-21.06	27	208	V
4	* 11.55447	29.8	PK-U	38.3	-16.5	0	51.6	-	-	74	-22.4	-	-	95	200	V
6	* 11.63619	18.66	ADR	38.6	-16.5	22	40.98	54	-13.02	-	-	-	-	95	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

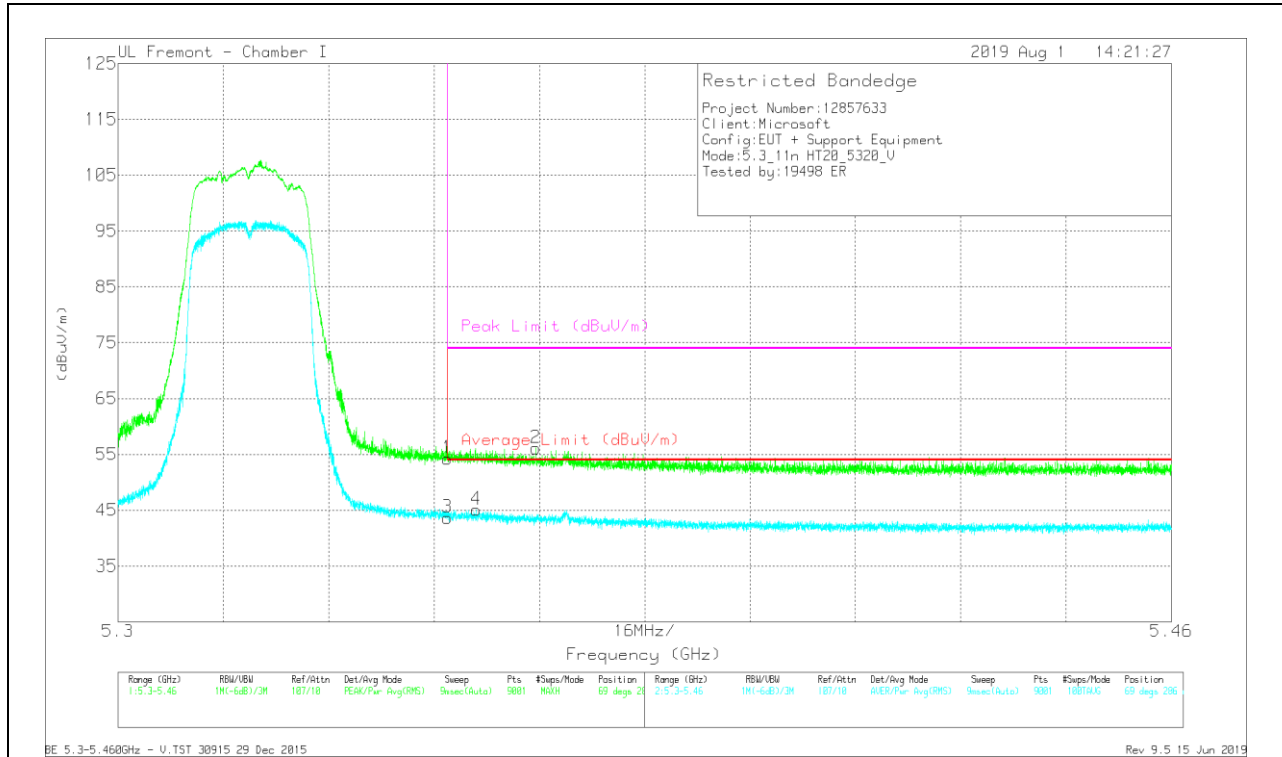
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	AmpCIS1562Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.44563	36.85	PK-U	32.2	-31.7	0	37.35	-	-	-	-	68.2	-30.85	36	162	H
2	2.4262	38.36	PK-U	32.2	-31.7	0	38.86	-	-	-	-	68.2	-29.34	172	113	V
4	* 10.6405	29.42	PK-U	37.9	-16.4	0	50.82	-	-	74	-23.08	-	-	98	286	H
	* 10.6398	19.45	ADR	37.9	-16.3	22	41.27	54	-12.73	-	-	-	-	98	286	H
3	7.09315	30.86	PK-U	35.6	-21.1	0	45.36	-	-	-	-	68.2	-22.84	16	308	H
6	* 10.63965	34.42	PK-U	37.9	-16.3	0	56.02	-	-	74	-17.98	-	-	95	215	V
	* 10.63999	25.89	ADR	37.9	-16.4	22	47.61	54	-6.39	-	-	-	-	95	215	V
5	7.09319	32.13	PK-U	35.6	-21.1	0	46.63	-	-	-	-	68.2	-21.57	48	212	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

VERTICAL RESULT

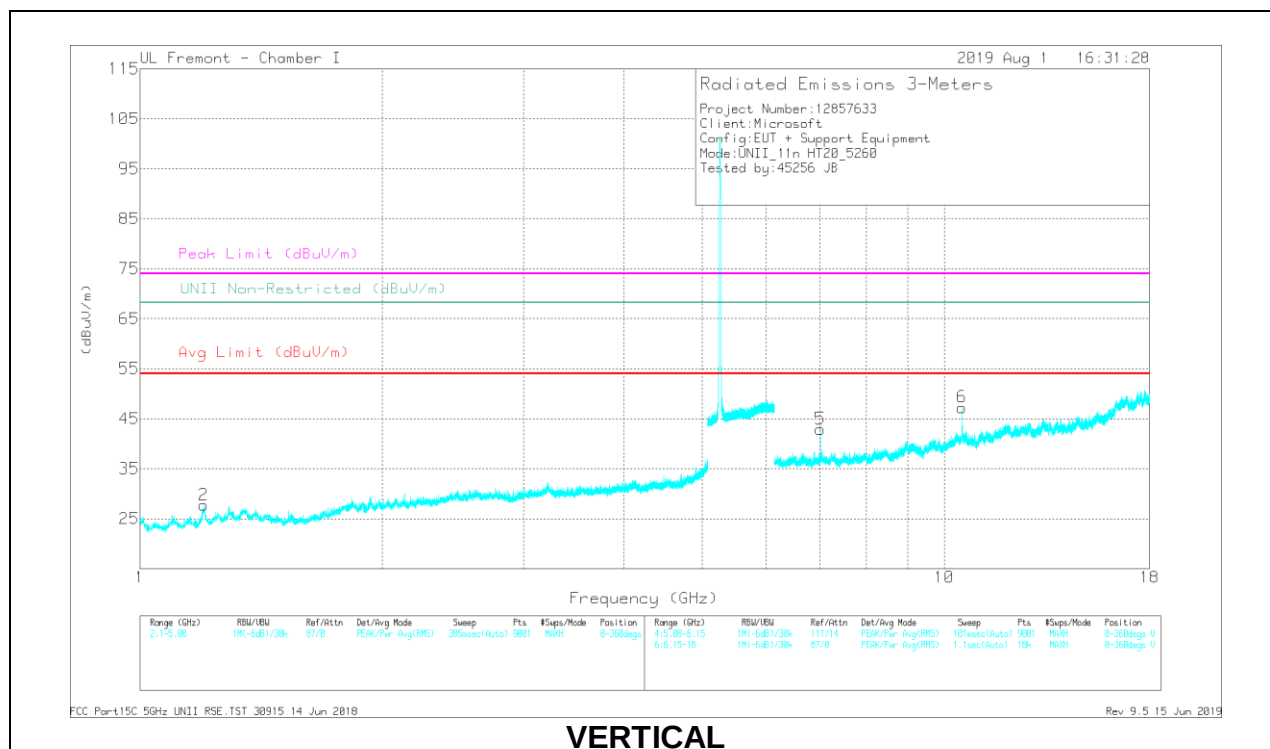
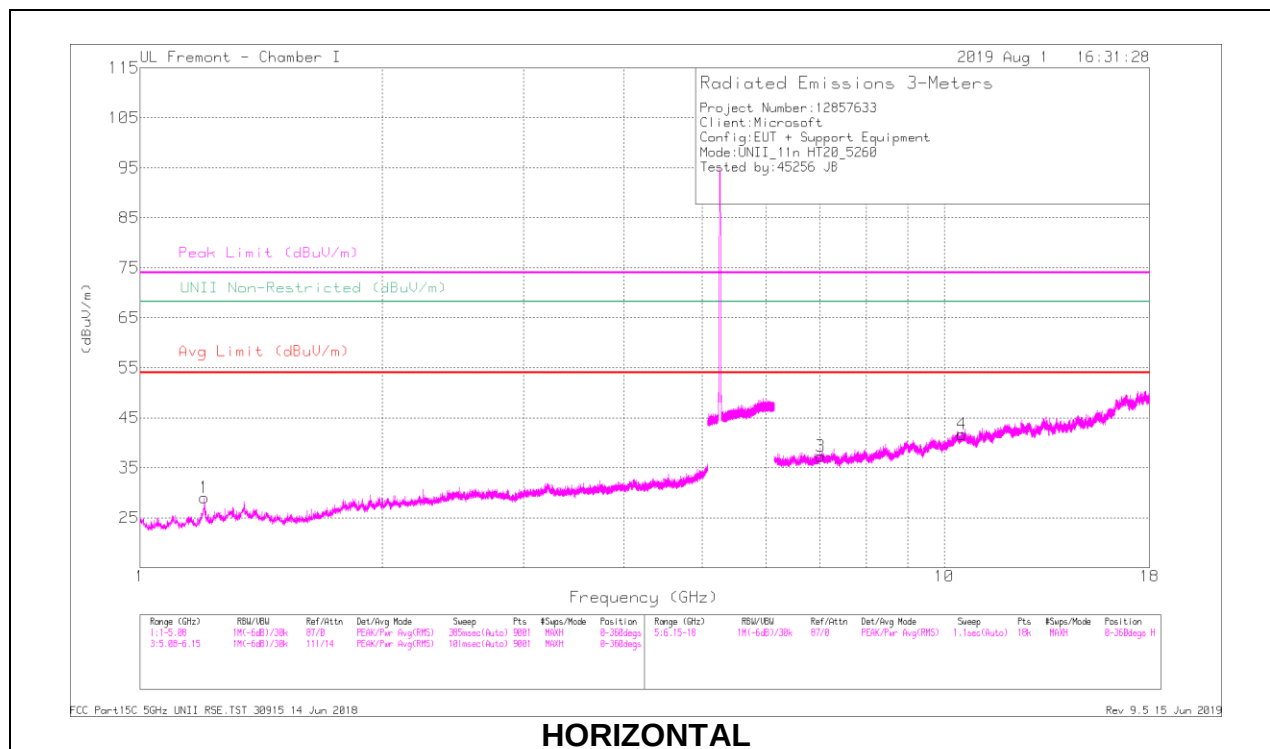


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/CNF/Filter/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35001	37.97	PK	34.6	-18.3	0	54.27	-	-	74	-19.73	69	286	V
2	5.36347	39.73	PK	34.6	-18.2	0	56.13	-	-	74	-17.87	69	286	V
3	5.35001	27.14	RMS	34.6	-18.3	.24	43.68	54	-10.32	-	-	69	286	V
4	5.3544	28.57	RMS	34.6	-18.3	.24	45.11	54	-8.89	-	-	69	286	V

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

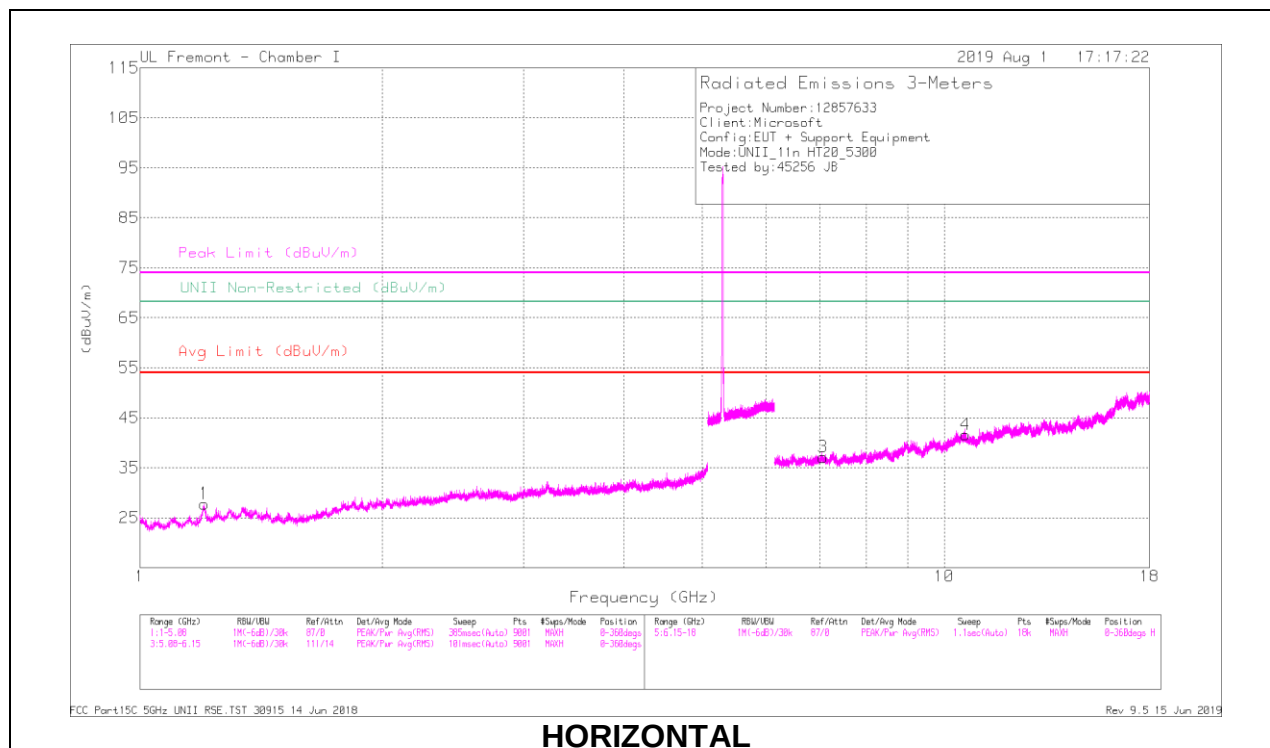
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1862 (dBm)	Amp(CM)RtrPa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Limit Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.20032	40.17	PK-U	28.5	-34	0	34.67	-	-	74	-39.33	-	-	350	173	H
	* 1.2019	30.9	ADR	28.5	-34	.24	25.64	54	-28.36	-	-	-	-	350	173	H
2	* 1.20201	40.55	PK-U	28.5	-34	0	35.05	-	-	74	-38.95	-	-	121	145	V
	* 1.1991	30.3	ADR	28.5	-34	.24	25.04	54	-28.96	-	-	-	-	121	145	V
3	7.01662	31.48	PK-U	35.6	-20.4	0	46.68	-	-	-	-	68.2	-21.52	64	201	H
4	10.51579	29.73	PK-U	37.7	-17	0	50.43	-	-	-	-	68.2	-17.77	35	150	H
5	7.0132	31.3	PK-U	35.6	-20.6	0	46.3	-	-	-	-	68.2	-21.9	110	217	V
6	10.51911	34.53	PK-U	37.7	-17	0	55.23	-	-	-	-	68.2	-12.97	44	212	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

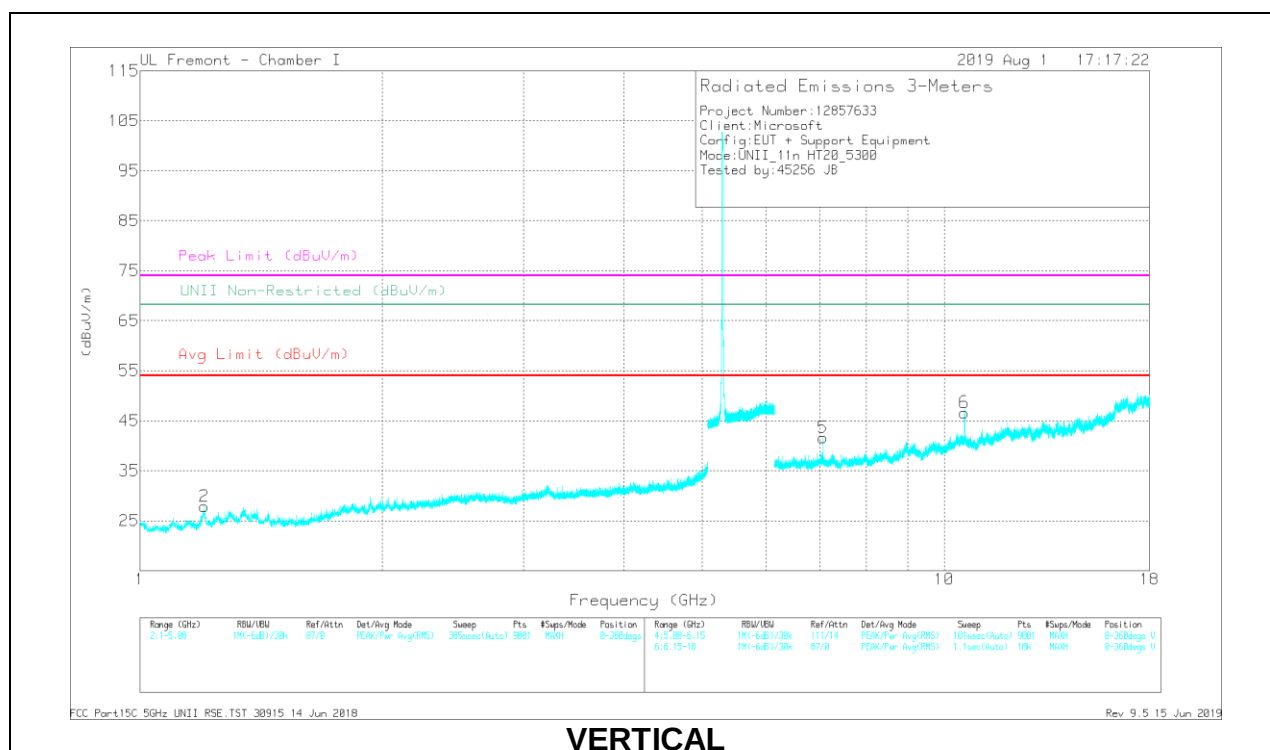
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

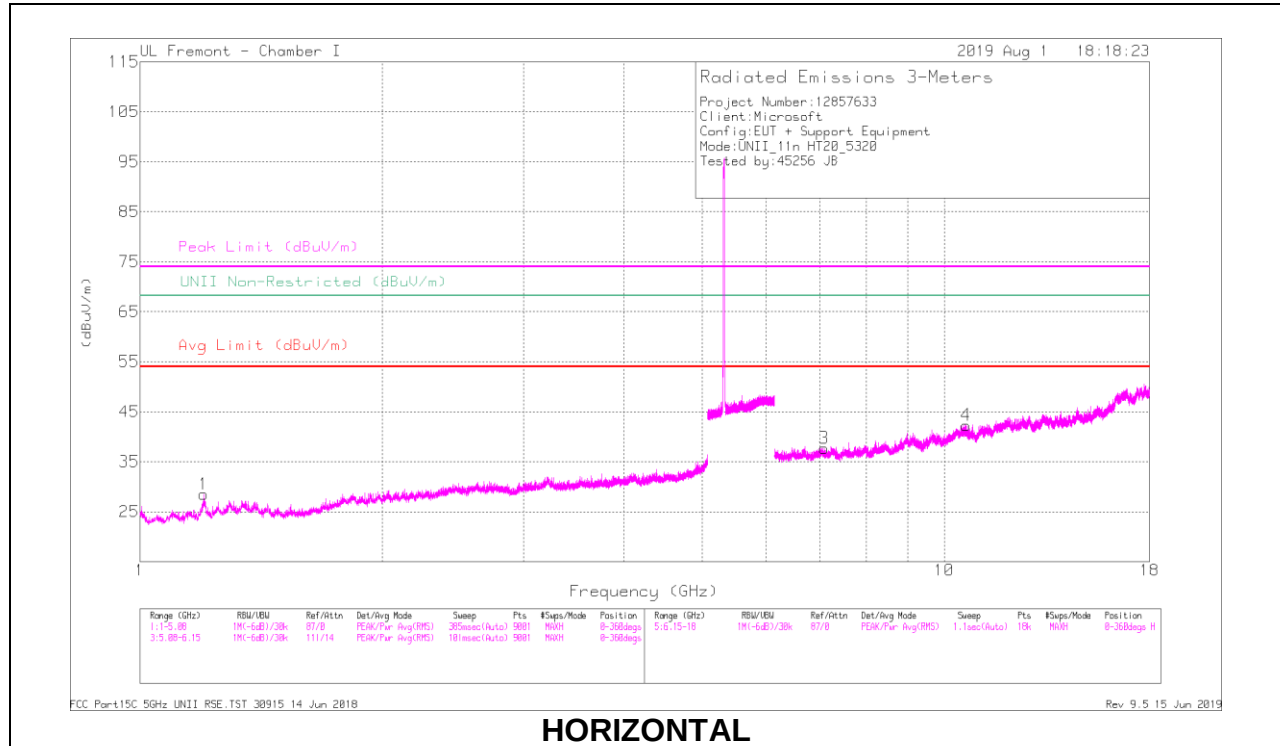
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp Cal (dB) for Pa	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UL Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
1	* 1.20021	41.29	PK-U	28.5	-34	0	35.79	-	-	74	-38.21	-	-	16	142	H
	* 1.20005	32.07	ADR	28.5	-34	24	26.81	54	-27.19	-	-	-	-	16	142	H
2	* 1.20015	39.35	PK-U	28.5	-34	0	34.35	-	-	74	-39.65	-	-	143	151	V
	* 1.20306	31.07	ADR	28.5	-34	24	25.81	54	-28.19	-	-	-	-	143	151	V
3	7.06664	30.42	PK-U	35.7	-20.7	0	45.42	-	-	-	-	68.2	-22.78	339	376	H
4	* 10.62818	27.9	PK-U	37.9	-16.5	0	49.3	-	-	74	-24.7	-	-	185	170	H
	* 10.62893	17.56	ADR	37.9	-16.5	24	39.2	54	-14.8	-	-	-	-	185	170	H
5	7.06675	31.11	PK-U	35.7	-20.7	0	46.11	-	-	-	-	68.2	-22.09	344	214	V
6	10.59622	34.21	PK-U	37.8	-16.7	0	55.31	-	-	-	-	68.2	-12.89	93	189	V
	10.59703	25.57	ADR	37.8	-16.7	24	46.91	-	-	-	-	-	-	93	189	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

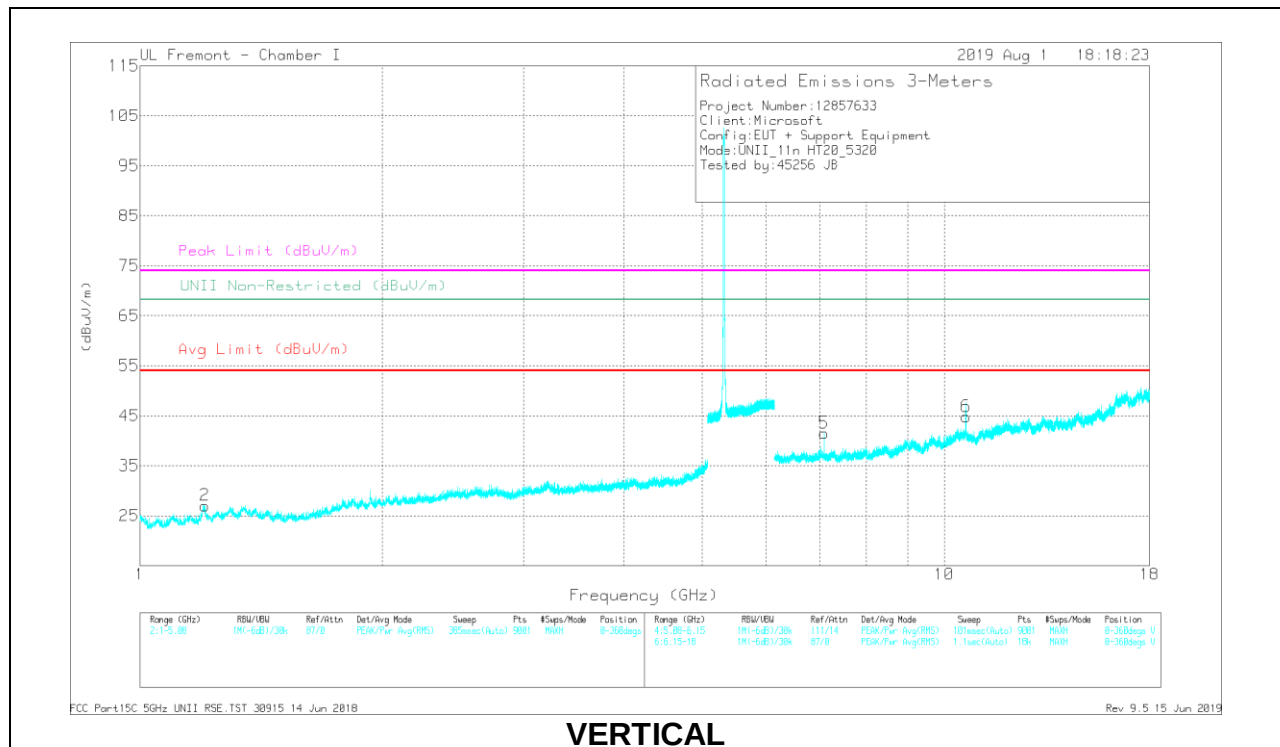
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp CMF for Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULR Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.20237	40.67	PK-U	28.5	-34	0	35.17	-	-	74	-38.83	-	-	326	162	H
	* 1.19997	31.9	ADR	28.5	-34	24	26.64	54	-27.36	-	-	-	-	326	162	H
2	* 1.2019	39.9	PK-U	28.5	-34	0	34.4	-	-	74	-39.6	-	-	141	158	V
	* 1.20237	31.02	ADR	28.5	-34	24	25.76	54	-28.24	-	-	-	-	141	158	V
3	7.09328	32.41	PK-U	35.6	-21.1	0	46.91	-	-	-	-	68.2	-21.29	118	380	H
4	* 10.63999	27.83	PK-U	37.9	-16.4	0	49.33	-	-	74	-24.67	-	-	297	280	H
	* 10.63983	18.67	ADR	37.9	-16.3	24	40.51	54	-13.49	-	-	-	-	297	280	H
5	7.09348	32.37	PK-U	35.6	-21.1	0	46.87	-	-	-	-	68.2	-21.33	40	270	V
6	* 10.6399	34.83	PK-U	37.9	-16.4	0	56.33	-	-	74	-17.67	-	-	92	303	V
	* 10.63995	26.33	ADR	37.9	-16.4	24	48.07	54	-5.93	-	-	-	-	92	303	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

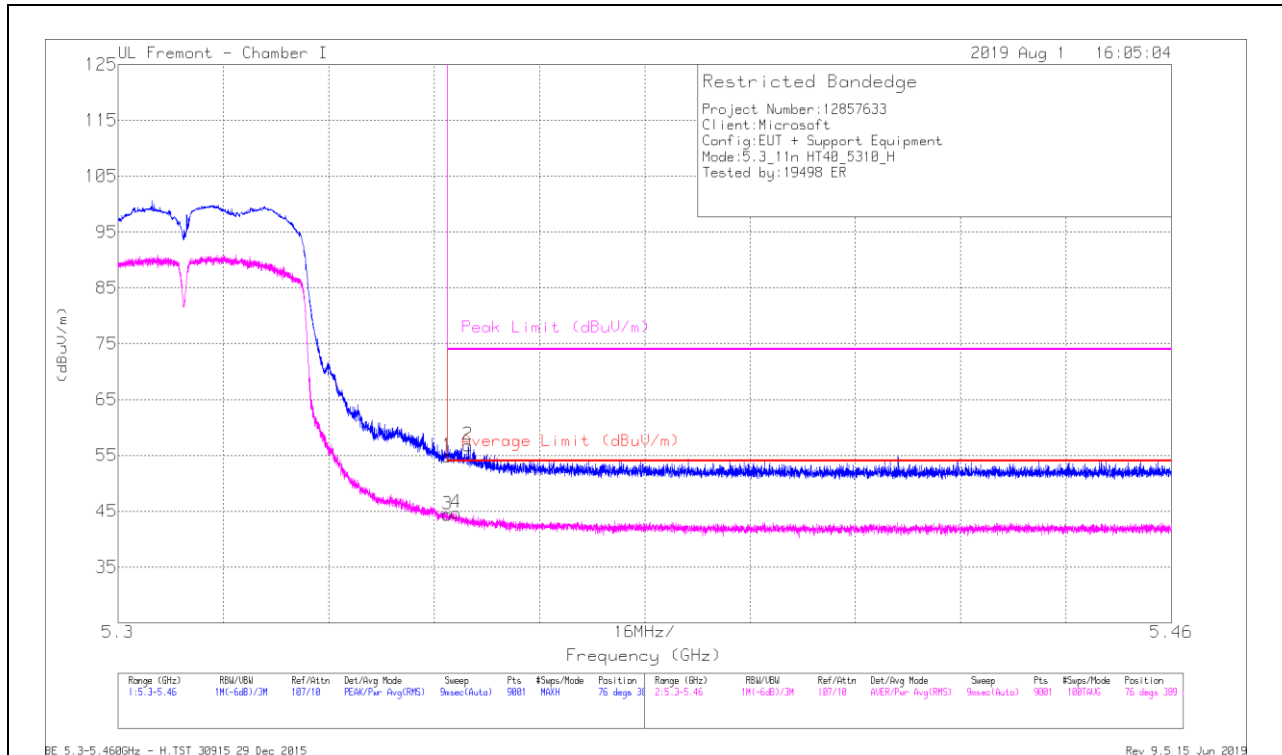
ADR - U-NII AD primary method, RMS average

9.1.7. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHZ BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (HIGH CHANNEL)

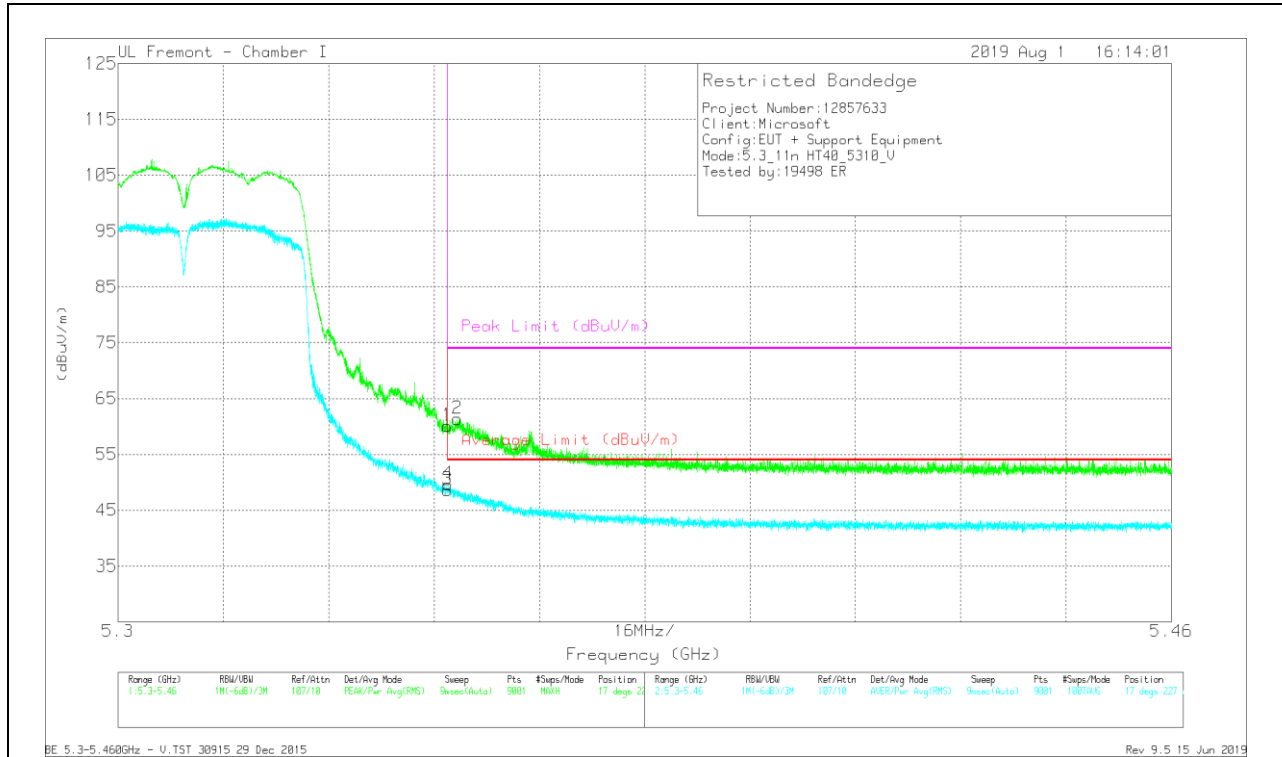
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/CDI/Filt/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35001	38.58	PK	34.6	-18.3	0	54.88	-	-	74	-19.12	76	389	H
2	5.35319	40.53	PK	34.6	-18.3	0	56.83	-	-	74	-17.17	76	389	H
3	5.35001	27.7	RMS	34.6	-18.3	44	44.44	54	-9.56	-	-	76	389	H
4	5.35134	27.99	RMS	34.6	-18.3	44	44.73	54	-9.27	-	-	76	389	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

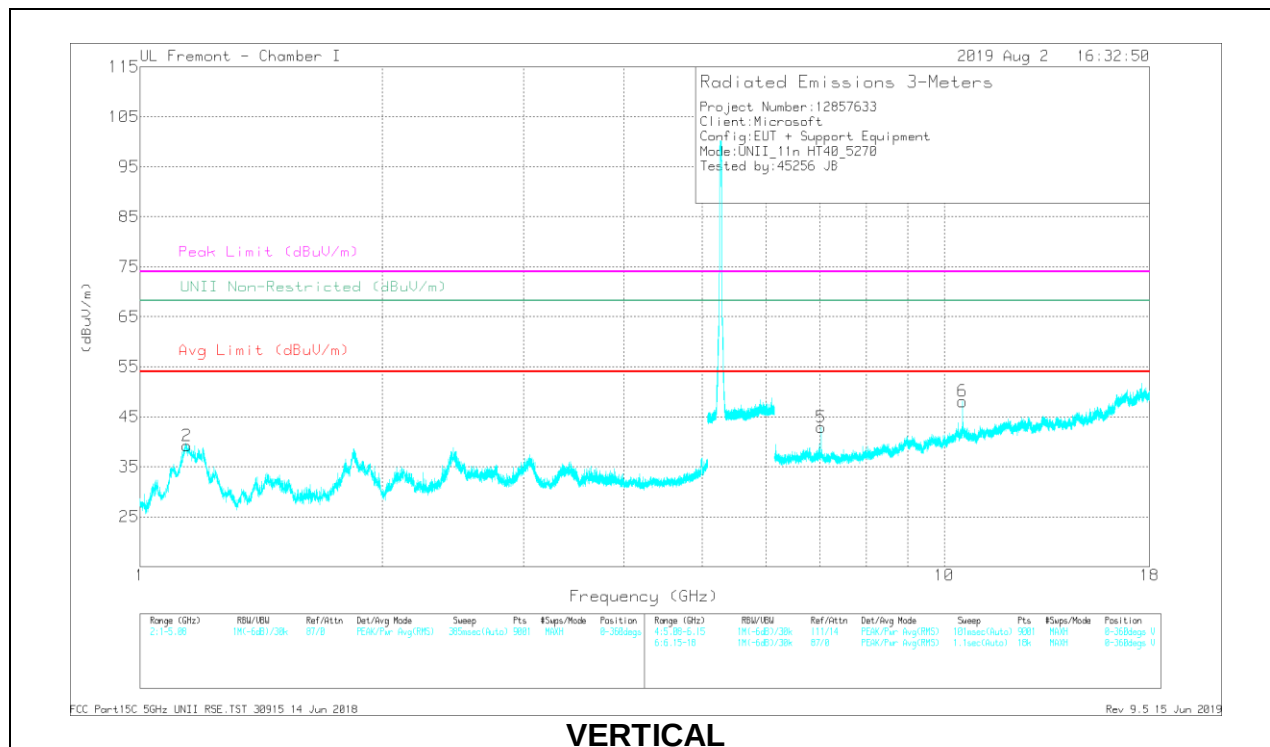
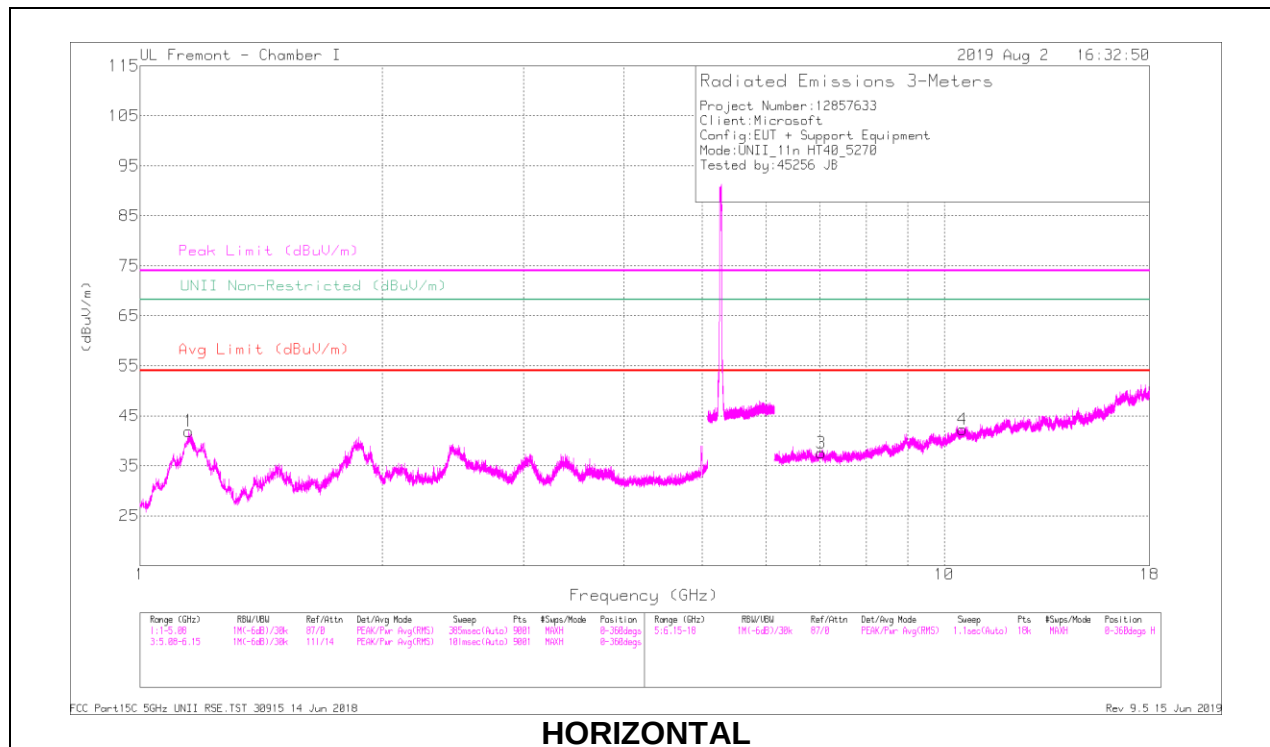


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/CM/Ftr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	5.35001	43.78	PK	34.6	-18.3	0	60.08	-	-	74	-13.92	17	227	V
2	5.35152	45.06	PK	34.6	-18.3	0	61.36	-	-	74	-12.64	17	227	V
3	5.35001	31.92	RMS	34.6	-18.3	.44	48.66	54	-5.34	-	-	17	227	V
4	5.35008	32.89	RMS	34.6	-18.3	.44	49.63	54	-4.37	-	-	17	227	V

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

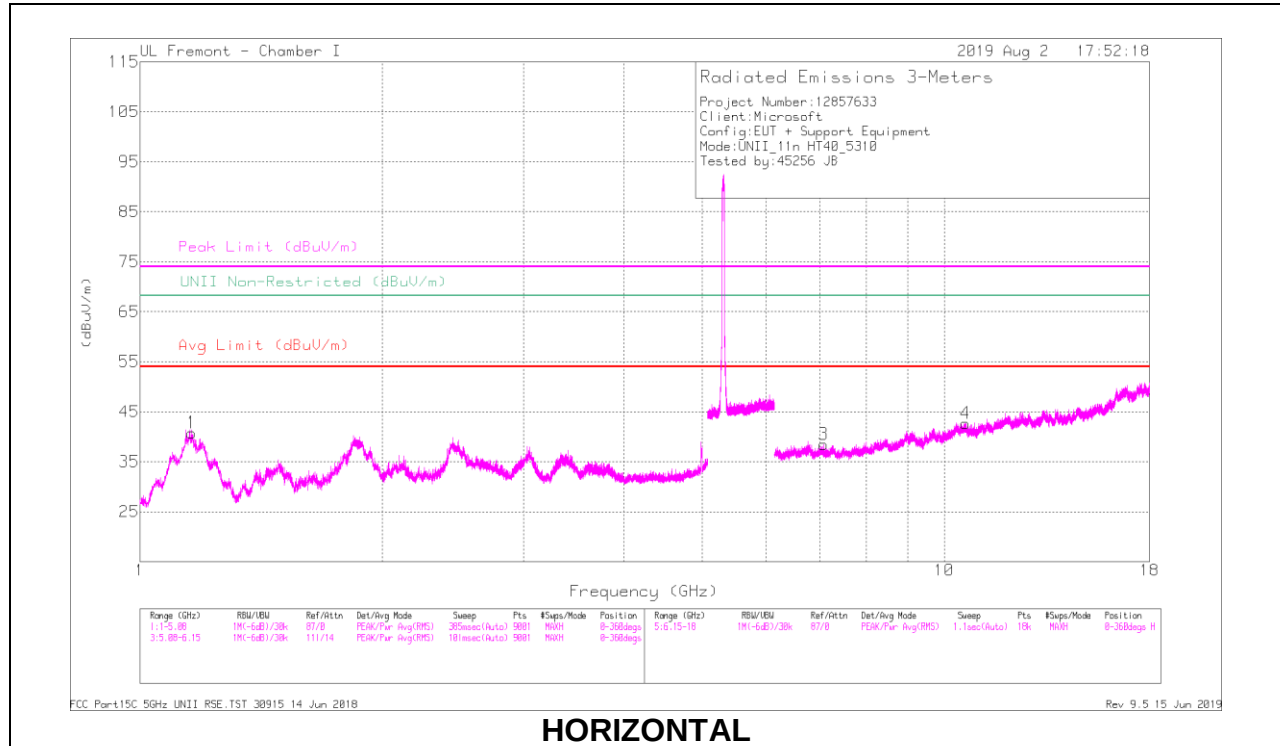
Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	AF 1862 (dBm)	Amp(CM)RtrPa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unit Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.15082	56.18	PK-U	27.6	-34	0	49.78	-	-	74	-24.22	-	-	150	204	H
	* 1.15035	46.76	ADR	27.6	-34	.44	40.8	54	-13.2	-	-	-	-	150	204	H
2	* 1.14467	53.79	PK-U	27.6	-34	0	47.39	-	-	74	-26.61	-	-	98	113	V
	* 1.14525	44.11	ADR	27.6	-34.1	.44	39.05	54	-15.95	-	-	-	-	98	113	V
3	7.03011	31.09	PK-U	35.6	-20.5	0	46.19	-	-	-	-	68.2	-22.01	99	124	H
4	10.5396	29.08	PK-U	37.7	-16.7	0	50.08	-	-	-	-	68.2	-18.12	198	303	H
5	7.02668	31.42	PK-U	35.6	-20.4	0	46.62	-	-	-	-	68.2	-21.58	278	349	V
6	10.53845	33.51	PK-U	37.7	-16.7	0	54.51	-	-	-	-	68.2	-13.69	220	210	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

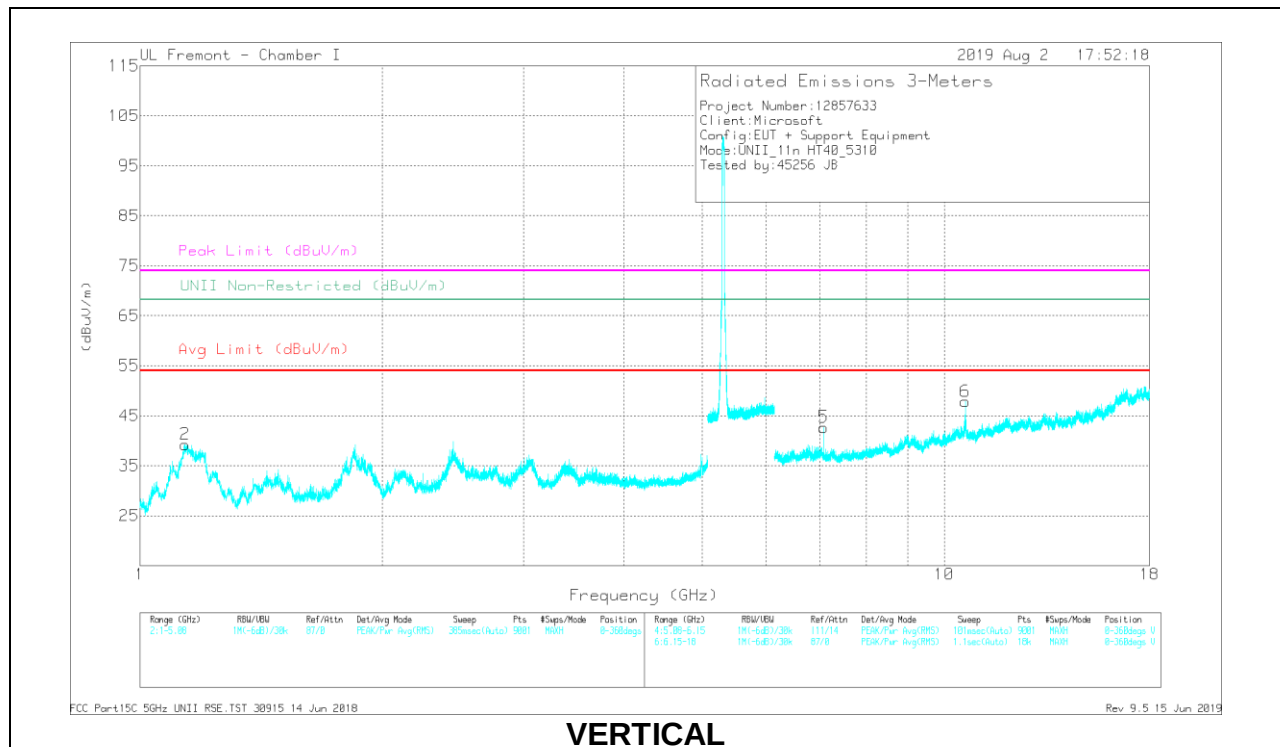
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

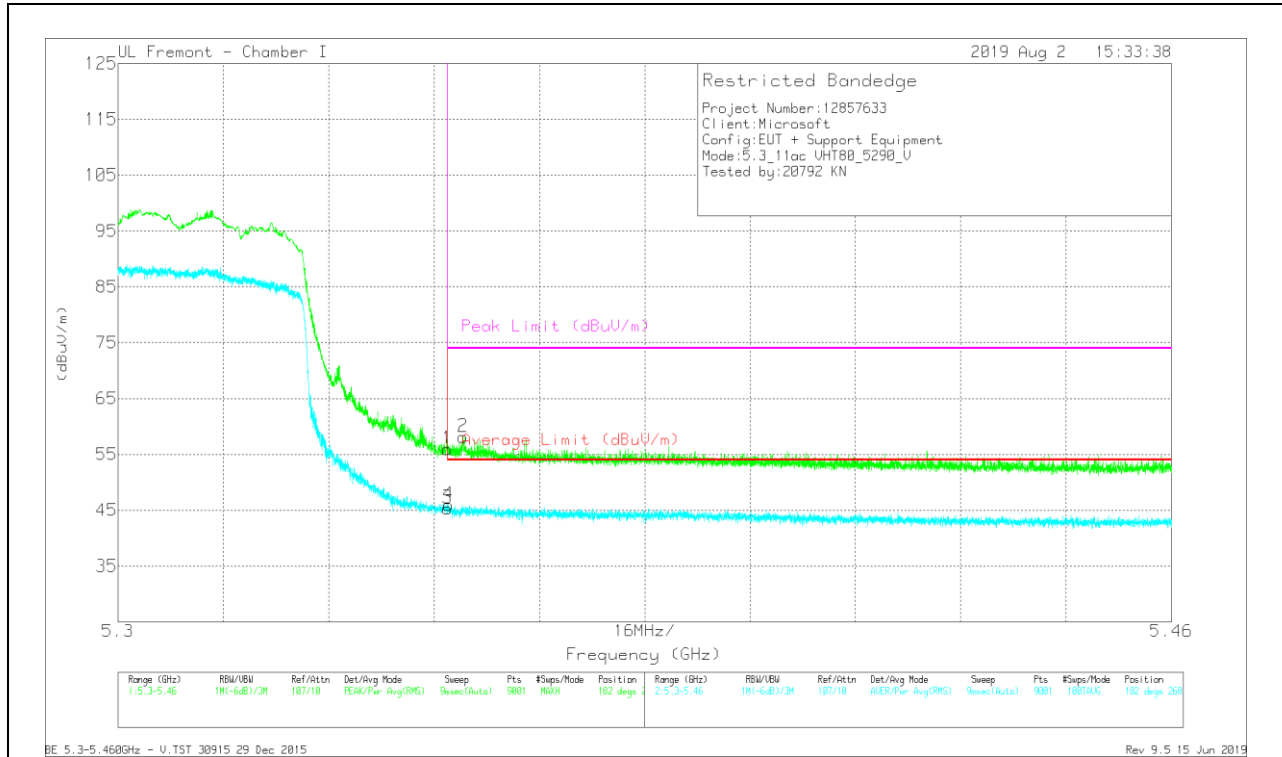
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp CMF for Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UL Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.15758	55.79	PK-U	27.6	-34	0	49.39	-	-	74	-24.61	-	-	41	167	H
	* 1.15758	44.95	ADR	27.6	-34	.44	38.99	54	-15.01	-	-	-	-	41	167	H
2	* 1.13825	56.56	PK-U	27.7	-34.1	0	50.16	-	-	74	-23.84	-	-	256	270	V
	* 1.13783	46.78	ADR	27.7	-34.1	.44	40.82	54	-13.18	-	-	-	-	256	270	V
3	* 10.62822	29.55	PK-U	37.9	-16.5	0	50.95	-	-	74	-23.05	-	-	208	375	H
	* 10.627	18.4	ADR	37.9	-16.5	.44	40.24	54	-13.76	-	-	-	-	208	375	H
4	7.08222	30.5	PK-U	35.7	-21	0	45.2	-	-	-	-	68.2	-23	181	379	H
5	* 10.61866	32.96	PK-U	37.9	-16.7	0	54.16	-	-	74	-19.84	-	-	222	215	V
	* 10.61994	24.92	ADR	37.9	-16.7	.44	46.56	54	-7.44	-	-	-	-	222	215	V
6	7.08061	31.58	PK-U	35.7	-21	0	46.28	-	-	-	-	68.2	-21.92	39	104	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

VERTICAL RESULT

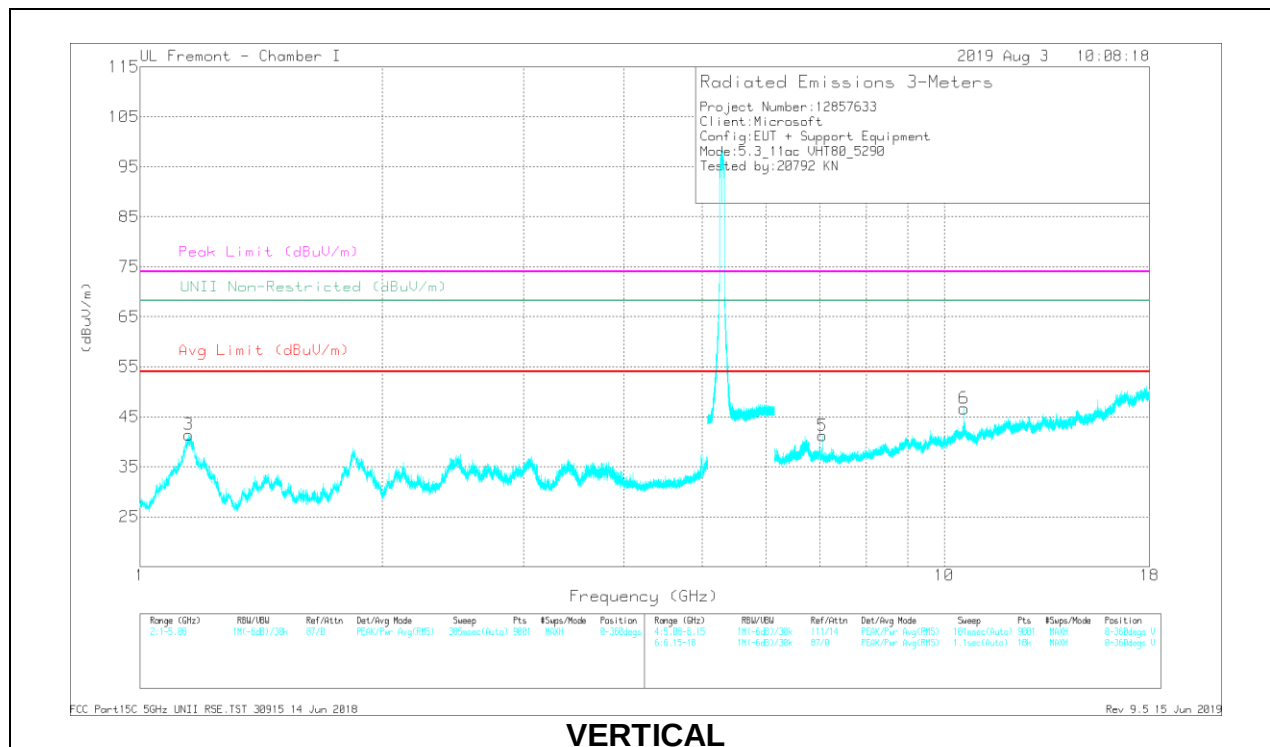
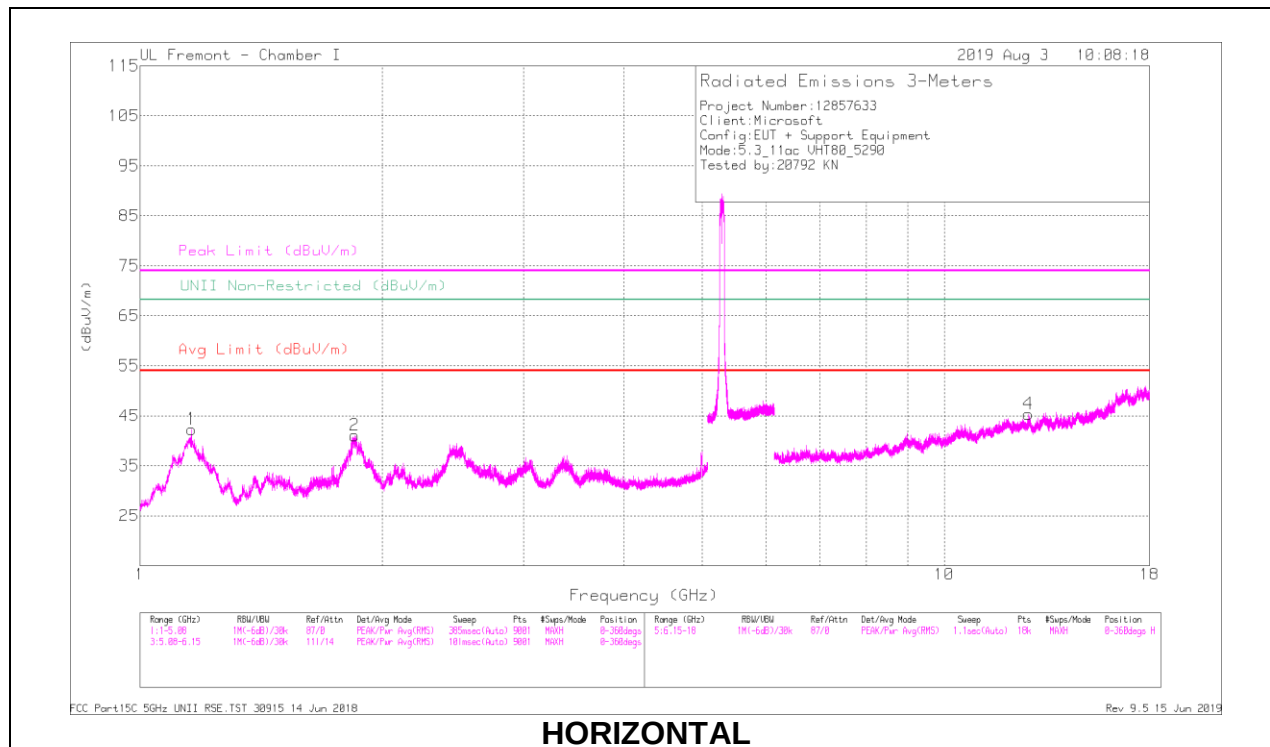


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/CM/FiltrPa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35001	39.68	PK	34.6	-18.3	0	55.98	-	-	74	-18.02	182	268	V
2	5.35243	41.85	PK	34.6	-18.3	0	58.15	-	-	74	-15.85	182	268	V
3	5.35001	28.23	RMS	34.6	-18.3	82	45.35	54	-8.65	-	-	182	268	V
4	5.35022	28.86	RMS	34.6	-18.3	82	45.98	54	-8.02	-	-	182	268	V

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Frequency (GHz)	Meas Reading (dBµV)	Det	AF 1062 (dBm)	Amp/Cat Filter Pa d (dB)	DC Corr (dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	PK Margin (dB)	Unit Non-Restricted (dBµV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.15795	56.78	PK-U	27.6	-34	0	50.38	-	-	74	-23.62	-	-	350	223	H
* 1.15986	46.69	ADR	27.6	-34	.82	41.11	54	-12.89	-	-	-	-	350	223	H
1.94771	52.54	PK-U	30.7	-32.6	0	50.64	-	-	-	-	68.2	-17.56	161	106	H
* 1.15039	57.38	PK-U	27.6	-34	0	50.98	-	-	74	-23.02	-	-	258	208	V
* 1.15015	47.1	ADR	27.6	-34.1	.82	41.42	54	-12.58	-	-	-	-	258	208	V
12.72127	28.73	PK-U	39	-16.1	0	51.63	-	-	-	-	68.2	-16.57	251	113	H
7.0532	32.56	PK-U	35.6	-20.3	0	47.86	-	-	-	-	68.2	-20.34	220	200	V
10.57981	33.91	PK-U	37.8	-16.8	0	54.91	-	-	-	-	68.2	-13.29	265	308	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

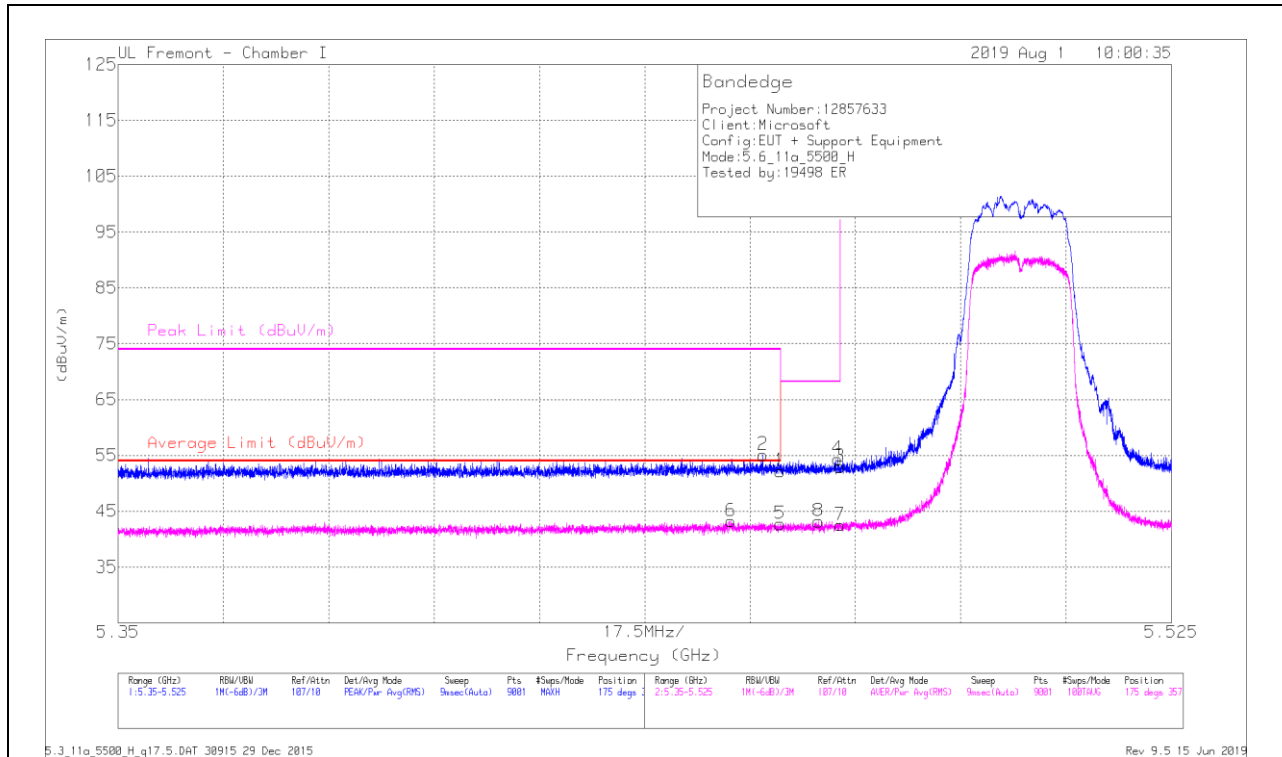
ADR - U-NII AD primary method, RMS average

9.1.9. TX ABOVE 1 GHz 802.11a MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

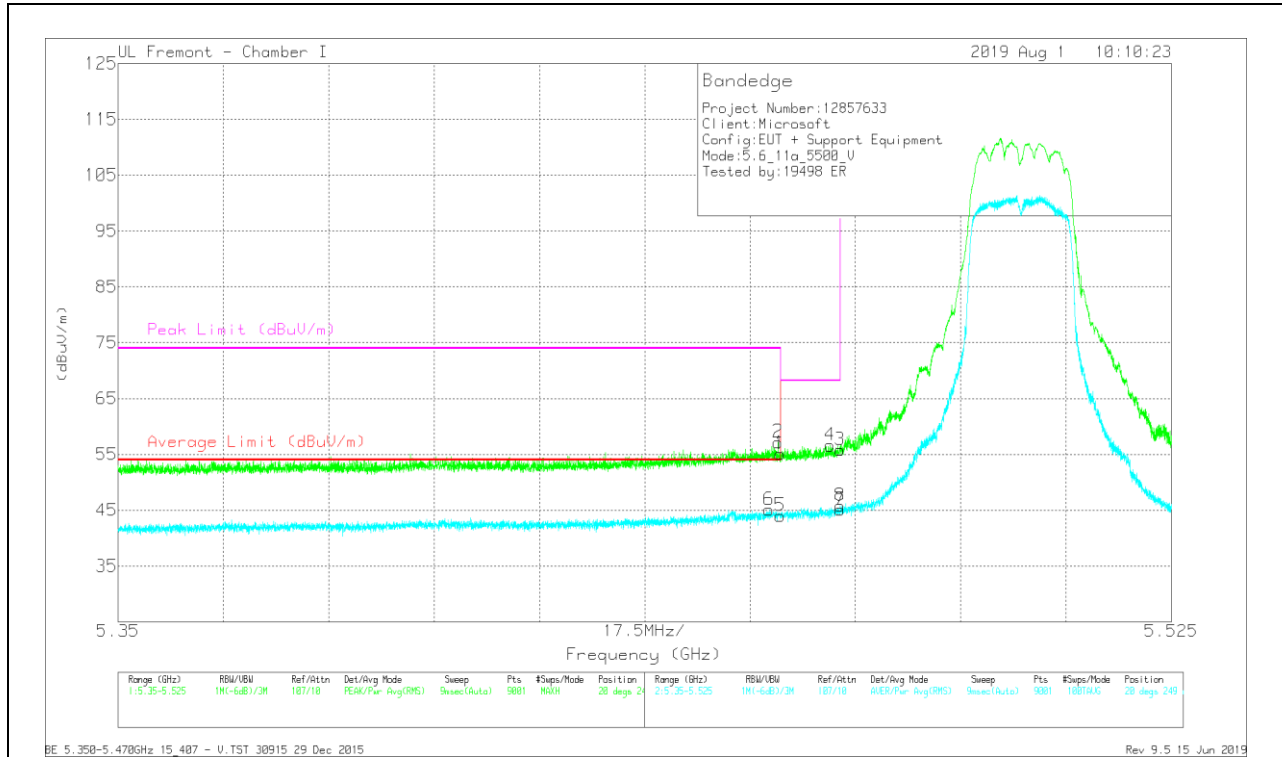
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filt/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.46	35.16	Pk	34.9	-17.9	0	52.16	-	-	74	-21.84	175	357	H
2	5.45714	38.08	Pk	34.9	-17.9	0	55.08	-	-	74	-18.92	175	357	H
3	5.46999	35.95	Pk	34.9	-17.9	0	52.95	-	-	68.2	-15.25	175	357	H
4	5.46956	37.45	Pk	34.9	-18	0	54.35	-	-	68.2	-13.85	175	357	H
5	5.46	25.51	RMS	34.9	-17.9	22	42.73	54	-11.27	-	-	175	357	H
6	5.45179	26.12	RMS	34.8	-17.9	22	43.24	54	-10.76	-	-	175	357	H
7	5.46999	25.28	RMS	34.9	-17.9	22	42.5	-	-	-	-	175	357	H
8	5.46637	26.09	RMS	34.9	-18	22	43.21	-	-	-	-	175	357	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

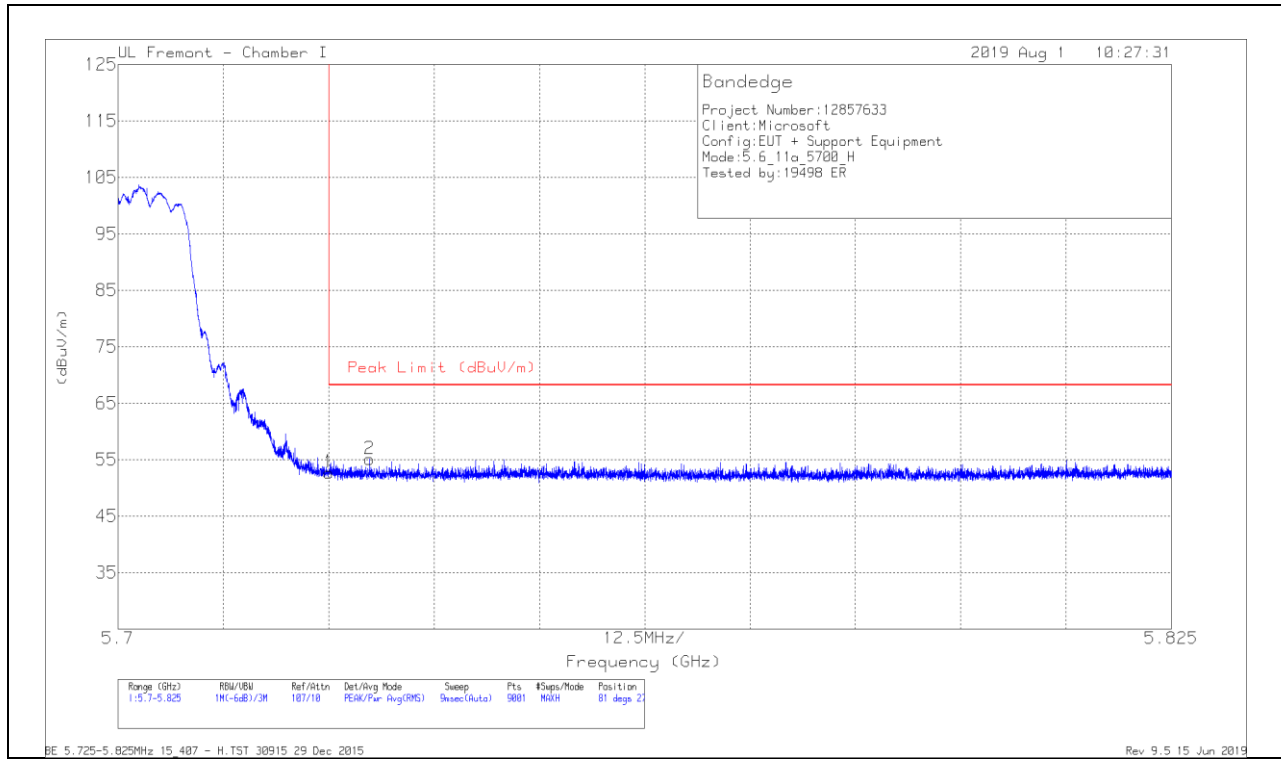


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/CN/Filt/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	5.46	38.09	PK	34.9	-17.9	0	55.09	-	-	74	-18.91	20	249	V
2	5.45966	40.15	PK	34.9	-17.9	0	57.15	-	-	74	-16.85	20	249	V
3	5.46999	38.78	PK	34.9	-17.9	0	55.78	-	-	68.2	-12.42	20	249	V
4	5.46832	39.72	PK	34.9	-18	0	56.62	-	-	68.2	-11.58	20	249	V
5	5.46	26.77	RMS	34.9	-17.9	.22	43.99	54	-10.01	-	-	20	249	V
6	5.45813	27.86	RMS	34.9	-17.9	.22	45.08	54	-8.92	-	-	20	249	V
7	5.46999	27.86	RMS	34.9	-17.9	.22	45.08	-	-	-	-	20	249	V
8	5.46995	28.58	RMS	34.9	-17.9	.22	45.8	-	-	-	-	20	249	V

Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

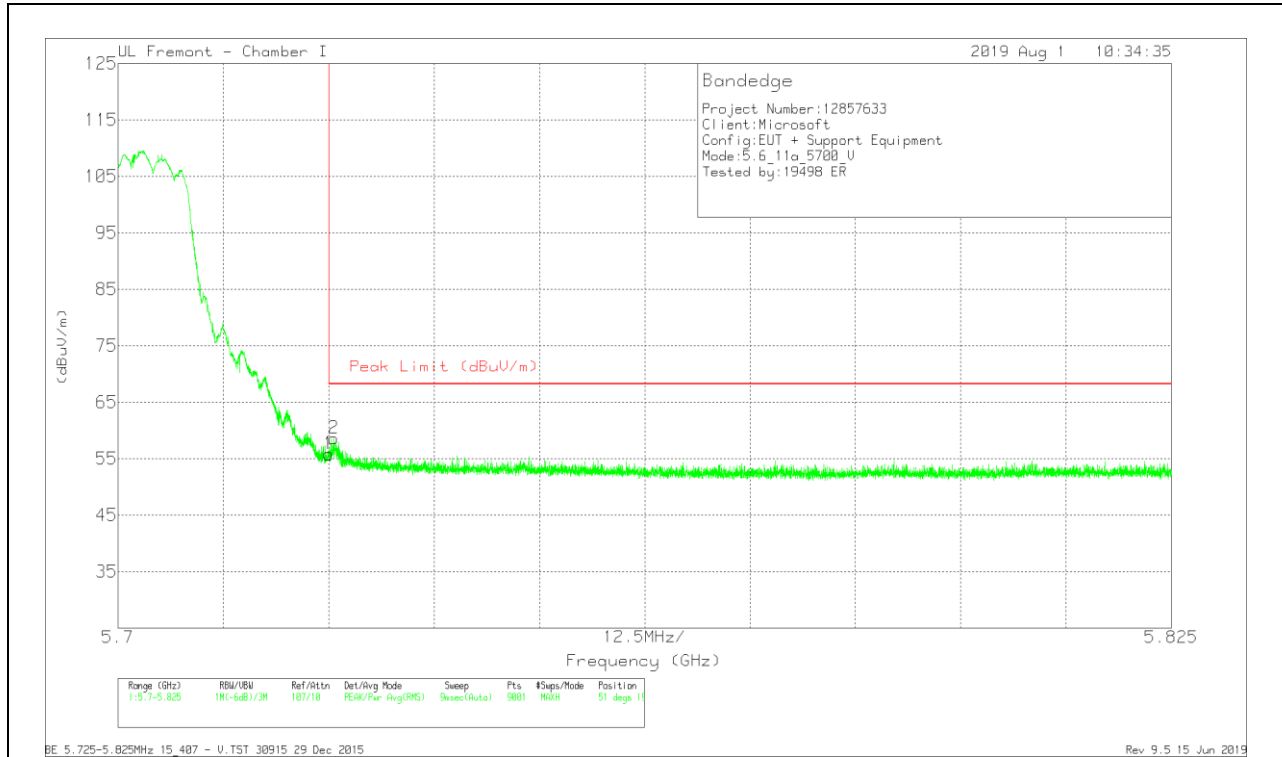
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.3	Pk	34.9	-18.5	52.7	68.2	-15.5	81	275	H
2	5.72985	38.58	Pk	34.9	-18.4	55.08	68.2	-13.12	81	275	H

Pk - Peak detector

VERTICAL RESULT

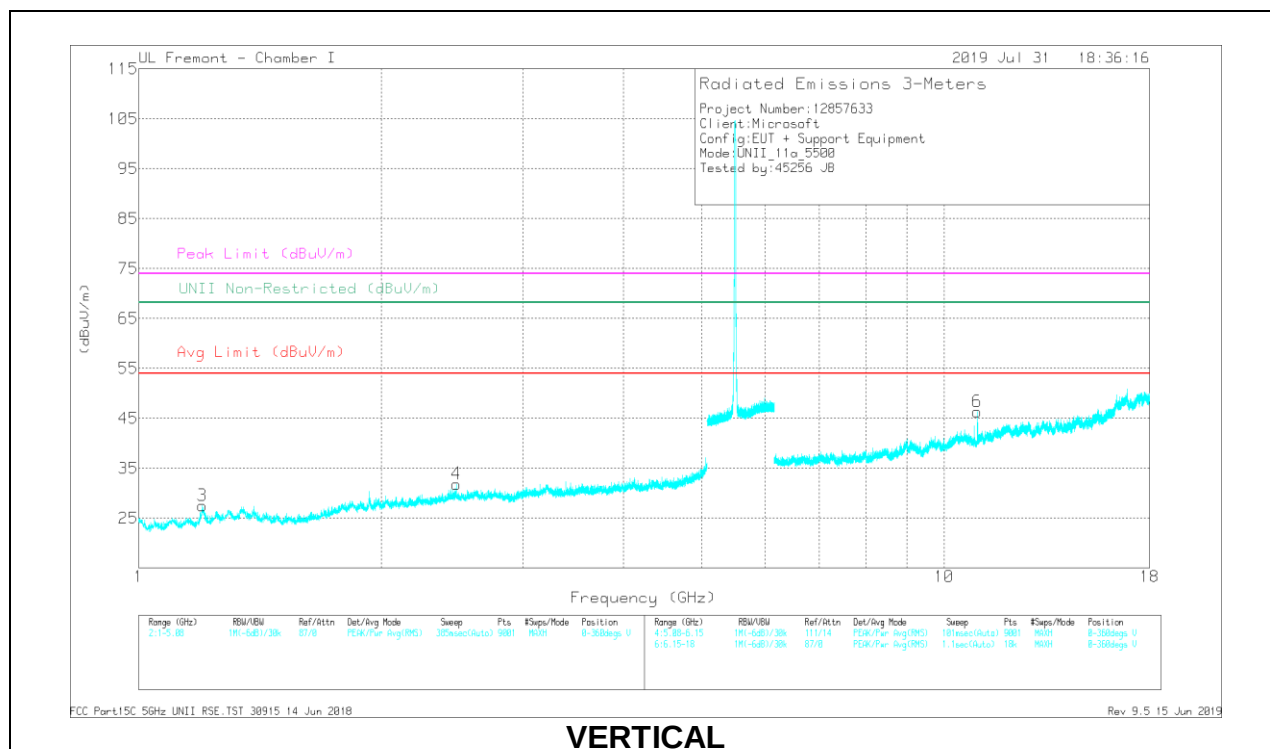
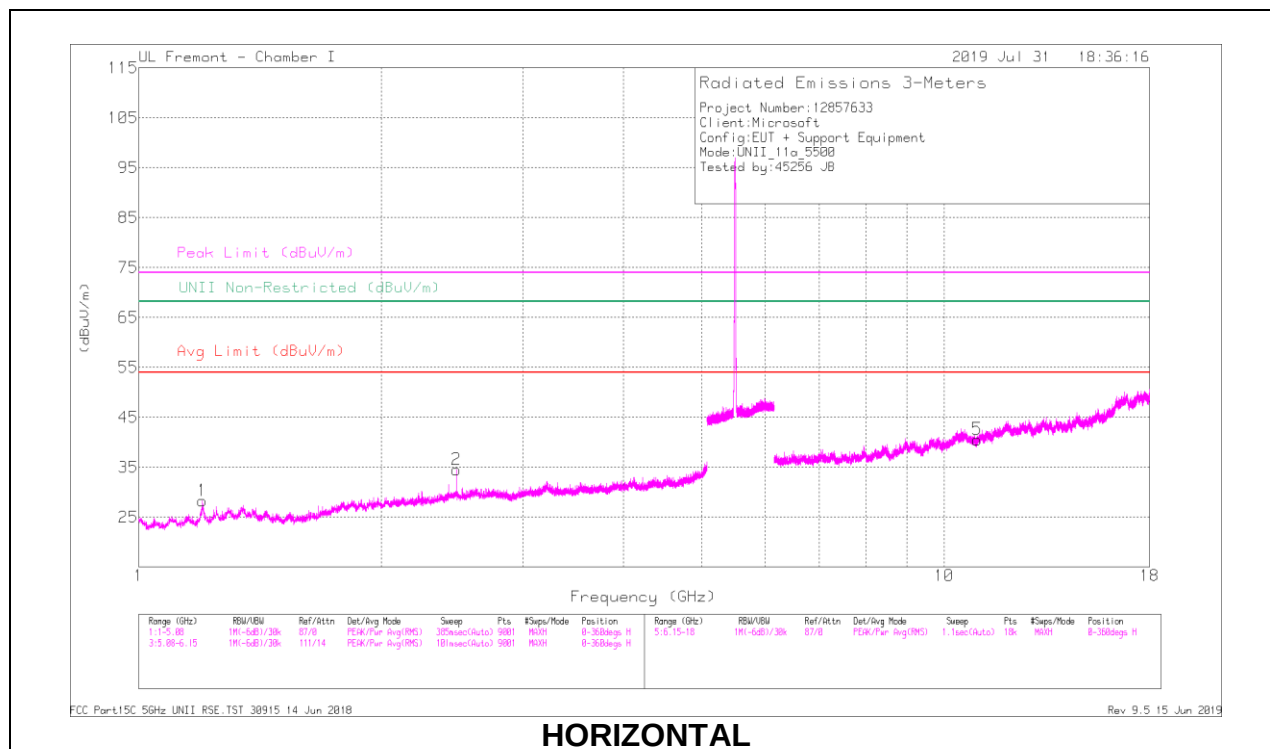


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	39.39	Pk	34.9	-18.5	55.79	68.2	-12.41	51	198	V
2	5.72558	42.19	Pk	34.9	-18.5	58.59	68.2	-9.61	51	198	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

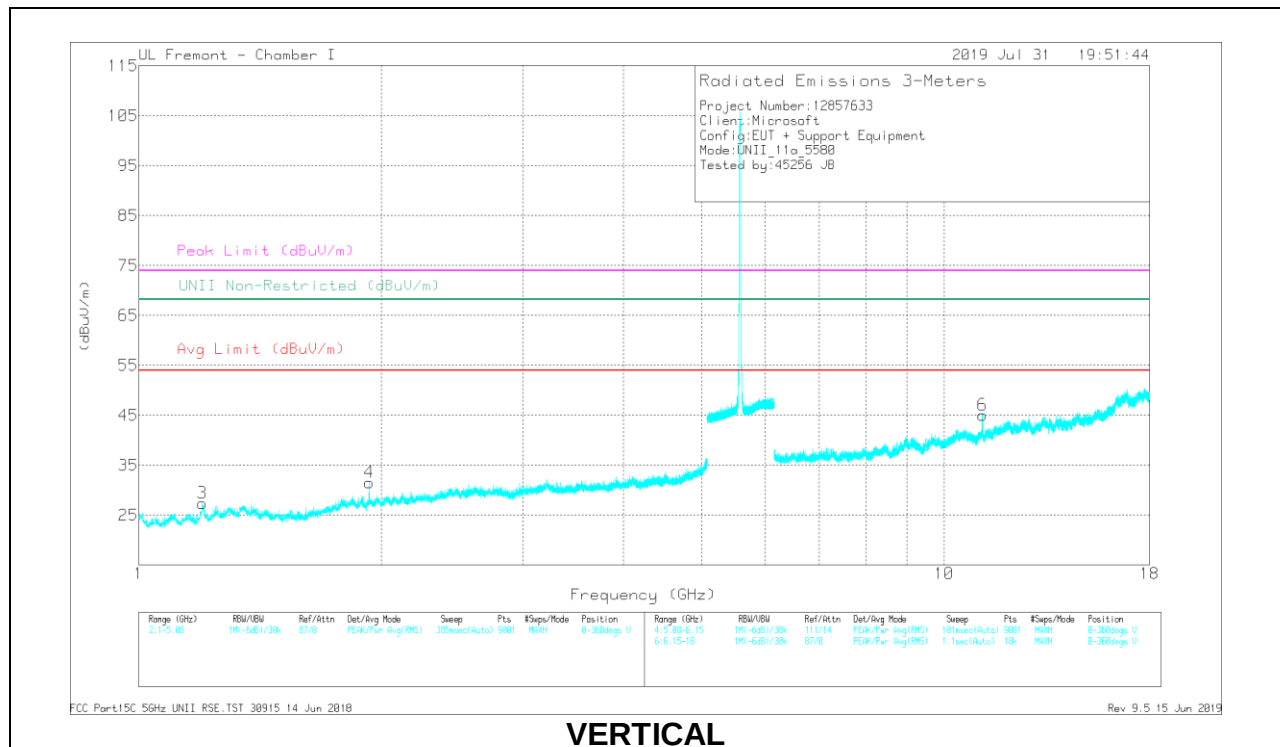
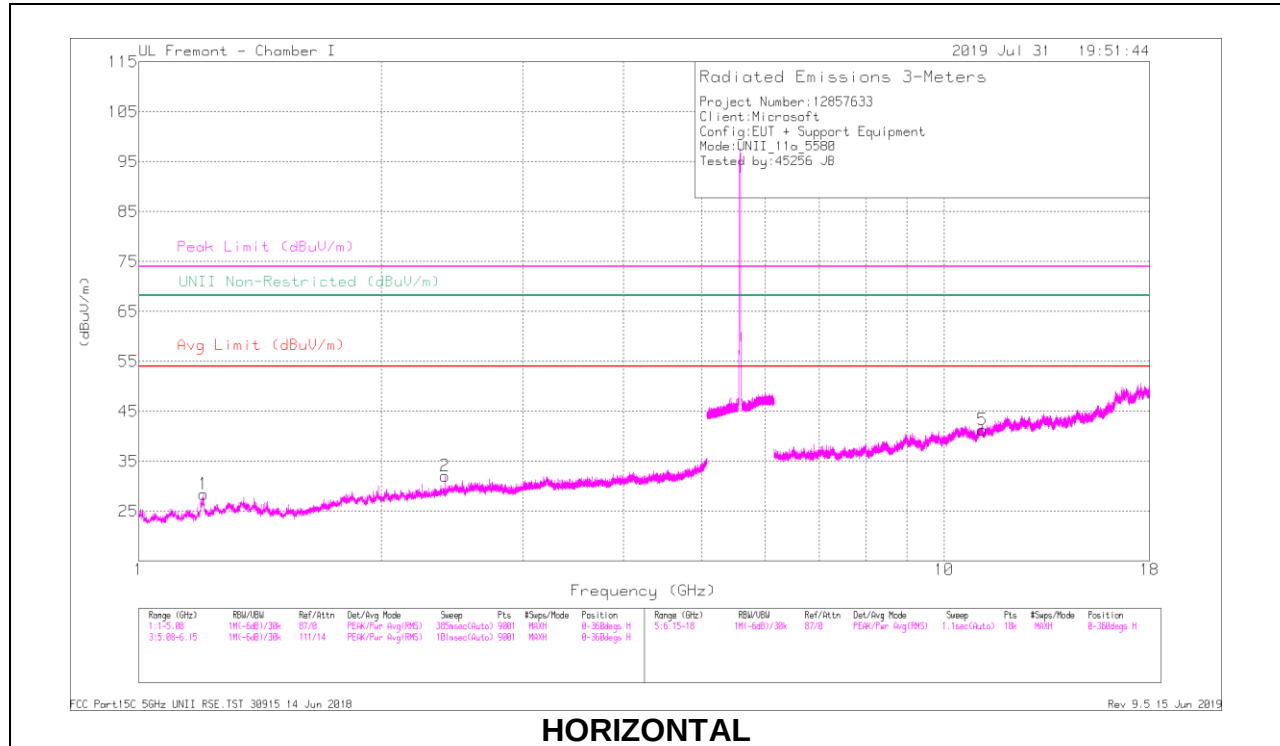
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp CMF for Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULR Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2.48138	36.77	PK-U	32.4	-31.5	0	37.67	-	-	-	-	68.2	-30.53	36	171	H
1	* 1.20044	40.46	PK-U	28.5	-34	0	34.96	-	-	74	-39.04	-	-	13	149	H
	* 1.19984	31.34	ADR	28.5	-34	22	26.06	54	-27.94	-	-	-	-	13	149	H
4	2.47993	37.87	PK-U	32.4	-31.5	0	38.77	-	-	-	-	68.2	-29.43	299	137	V
3	* 1.20145	40.83	PK-U	28.5	-34	0	35.33	-	-	74	-38.67	-	-	91	245	V
	* 1.20122	32.4	ADR	28.5	-34	22	27.12	54	-26.88	-	-	-	-	91	245	V
5	* 10.9895	27.82	PK-U	37.8	-16.9	0	48.72	-	-	74	-25.28	-	-	197	167	H
	* 10.98919	17.47	ADR	37.8	-16.9	22	38.59	54	-15.41	-	-	-	-	197	167	H
6	* 11.0002	31.33	PK-U	37.8	-16.9	0	52.23	-	-	74	-21.77	-	-	108	308	V
	* 10.99996	23.44	ADR	37.8	-16.9	22	44.56	54	-9.44	-	-	-	-	108	308	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



RADIATED EMISSIONS

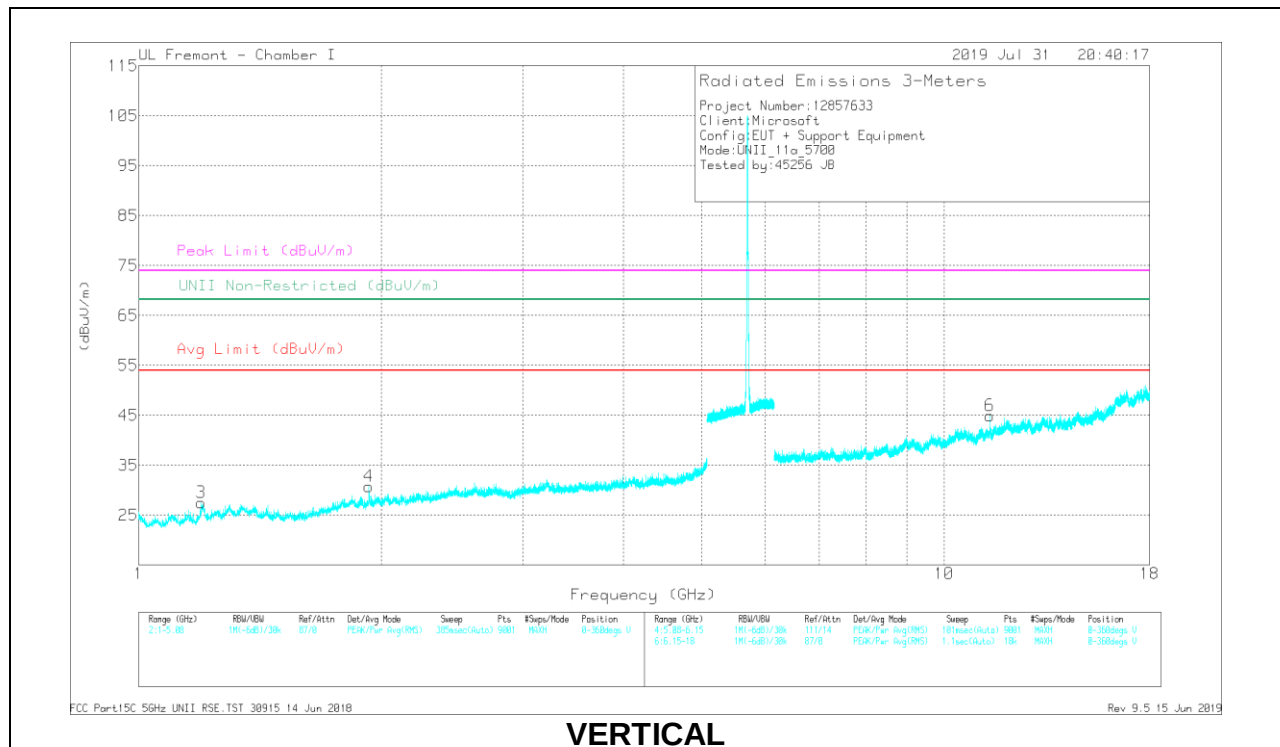
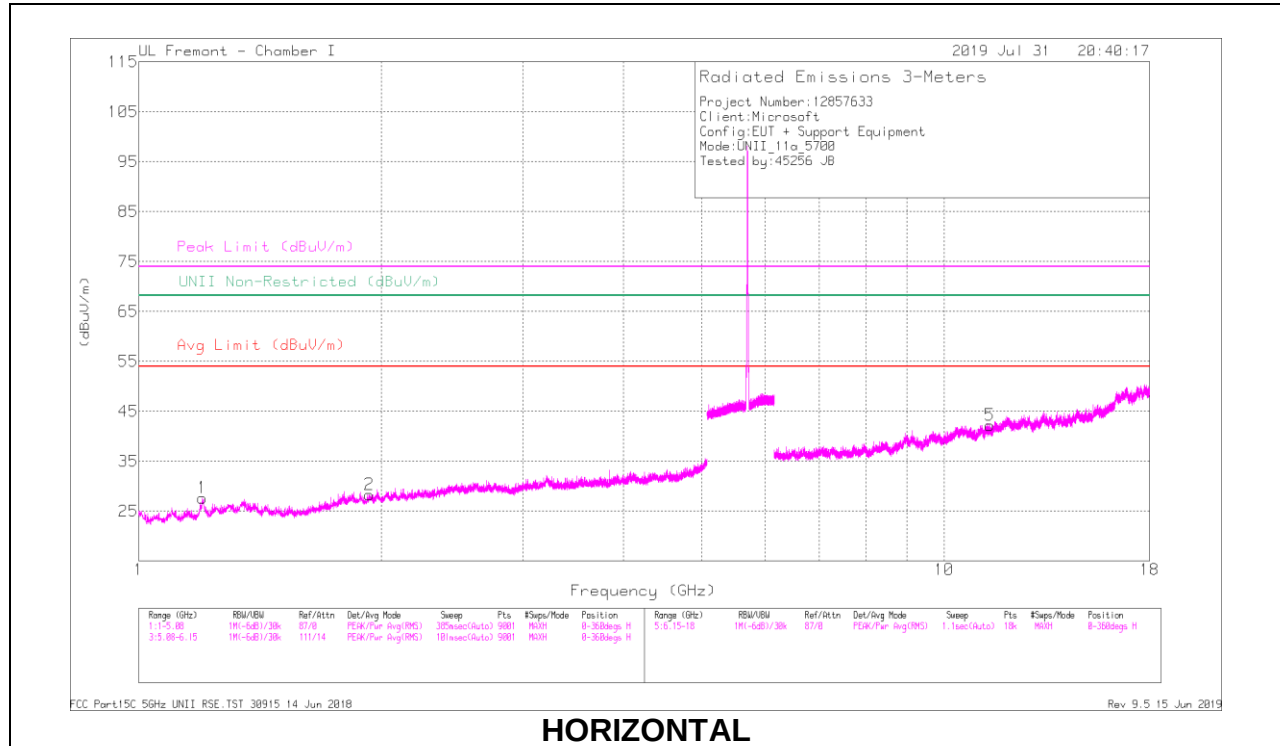
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp CMF for Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULR Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2.40125	37.2	PK-U	31.9	-31.8	0	37.3	-	-	-	-	68.2	-30.9	296	199	H
1	* 1.20343	40.62	PK-U	28.5	-34	0	35.12	-	-	74	-38.88	-	-	20	155	H
	* 1.20064	31.12	ADR	28.5	-34	22	25.84	54	-28.16	-	-	-	-	20	155	H
4	1.93334	39.84	PK-U	30.7	-32.7	0	37.84	-	-	-	-	68.2	-30.36	21	202	V
3	* 1.20121	40.84	PK-U	28.5	-34	0	35.34	-	-	74	-38.66	-	-	90	259	V
	* 1.20045	31.82	ADR	28.5	-34	22	26.54	54	-27.46	-	-	-	-	90	259	V
5	* 11.16787	29.53	PK-U	37.9	-16.6	0	50.83	-	-	74	-23.17	-	-	126	273	H
	* 11.16803	20.77	ADR	37.9	-16.6	22	42.29	54	-11.71	-	-	-	-	126	273	H
6	* 11.16305	30.84	PK-U	37.9	-16.6	0	52.14	-	-	74	-21.86	-	-	105	191	V
	* 11.16267	21.77	ADR	37.9	-16.6	22	43.29	54	-10.71	-	-	-	-	105	191	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

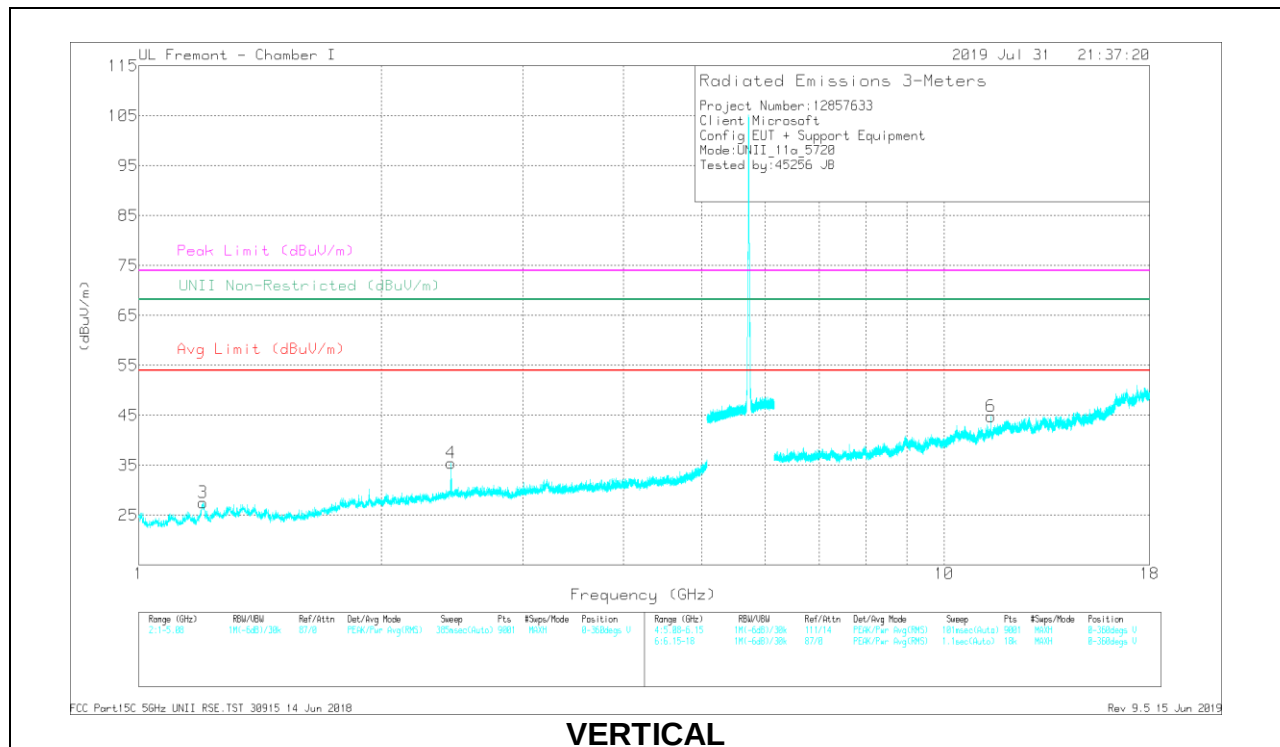
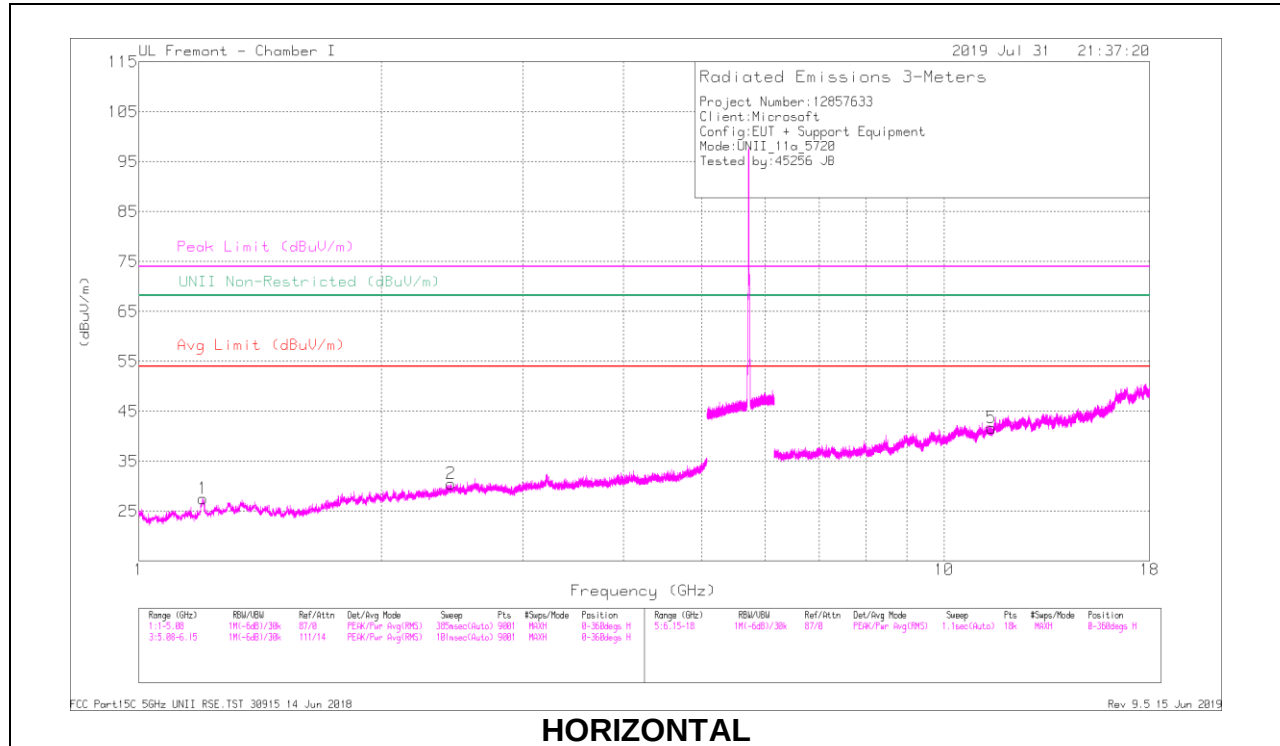
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp CMR for Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULR Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1.93145	37.9	PK-U	30.7	-32.7	0	35.9	-	-	-	-	68.2	-32.3	48	320	H
1	* 1.19507	40.83	PK-U	28.5	-34	0	35.33	-	-	74	-38.67	-	-	15	146	H
	* 1.20002	31.76	ADR	28.5	-34	22	26.48	54	-27.52	-	-	-	-	15	146	H
4	1.93291	38.32	PK-U	30.7	-32.7	0	36.32	-	-	-	-	68.2	-31.88	23	195	V
3	* 1.19503	40.6	PK-U	28.3	-34	0	34.9	-	-	74	-39.1	-	-	95	247	V
	* 1.19543	30.74	ADR	28.3	-34	22	25.26	54	-28.74	-	-	-	-	95	247	V
5	* 11.39829	27.65	PK-U	38.1	-16.2	0	49.55	-	-	74	-24.45	-	-	256	286	H
	* 11.40095	17.78	ADR	38.1	-16.1	22	40	54	-14	-	-	-	-	256	286	H
6	* 11.39815	31.02	PK-U	38.1	-16.2	0	52.92	-	-	74	-21.08	-	-	56	239	V
	* 11.39995	21.6	ADR	38.1	-16.1	22	43.62	54	-10.18	-	-	-	-	56	239	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 144 RESULTS



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp CMF for Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2.44048	37.14	PK-U	32.2	-31.6	0	37.74	-	-	-	-	68.2	-30.46	252	135	H
1	* 1.20114	40.97	PK-U	28.5	-34	0	35.47	-	-	74	-38.53	-	-	324	161	H
	* 1.201	31.87	ADR	28.5	-34	22	26.59	54	-27.41	-	-	-	-	324	161	H
4	2.44423	37.24	PK-U	32.2	-31.7	0	37.74	-	-	-	-	68.2	-30.46	296	249	V
3	* 1.20033	40.54	PK-U	28.5	-34	0	35.04	-	-	74	-38.96	-	-	122	197	V
	* 1.19974	31.46	ADR	28.5	-34	22	26.18	54	-27.82	-	-	-	-	122	197	V
5	* 11.4605	27.57	PK-U	38.1	-16.6	0	49.07	-	-	74	-24.93	-	-	146	293	H
	* 11.4617	17.31	ADR	38.1	-16.6	22	39.03	54	-14.97	-	-	-	-	146	293	H
6	* 11.43876	30.23	PK-U	38.1	-16.4	0	51.93	-	-	74	-22.07	-	-	60	226	V
	* 11.43849	21.38	ADR	38.1	-16.4	22	43.3	54	-10.7	-	-	-	-	60	226	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

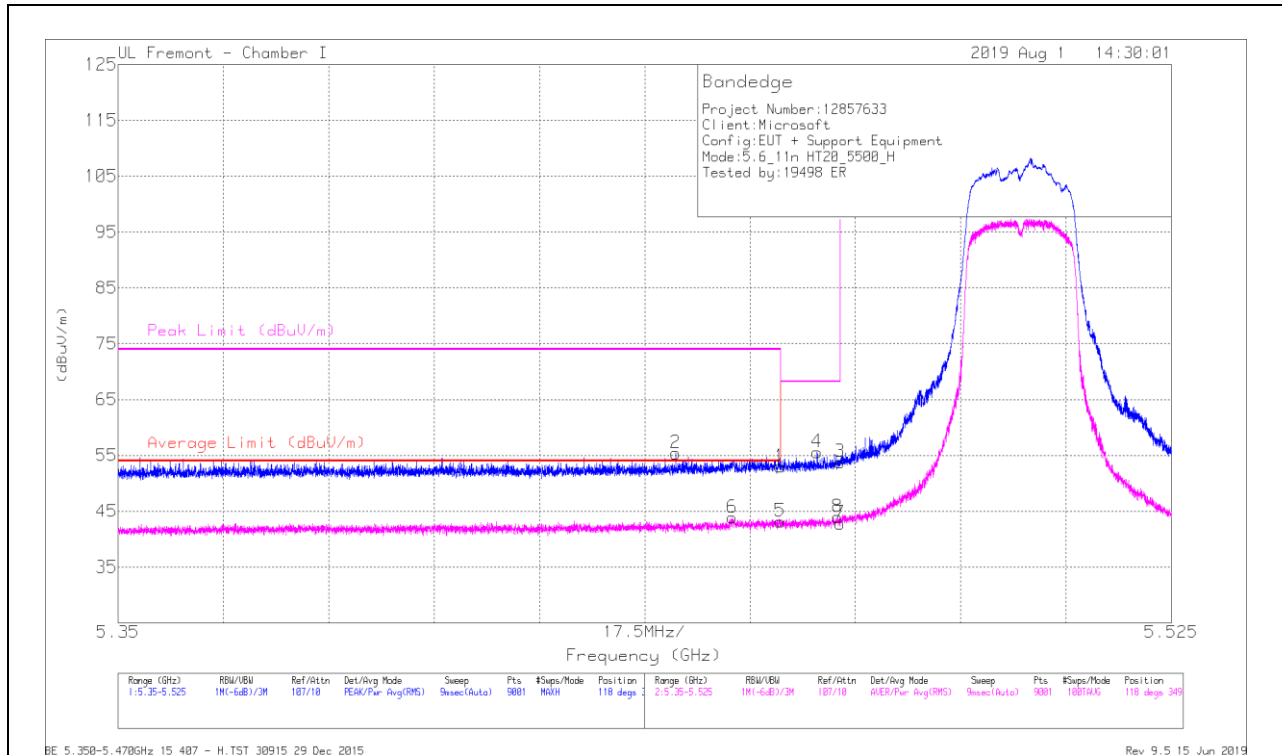
ADR - U-NII AD primary method, RMS average

9.1.10. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

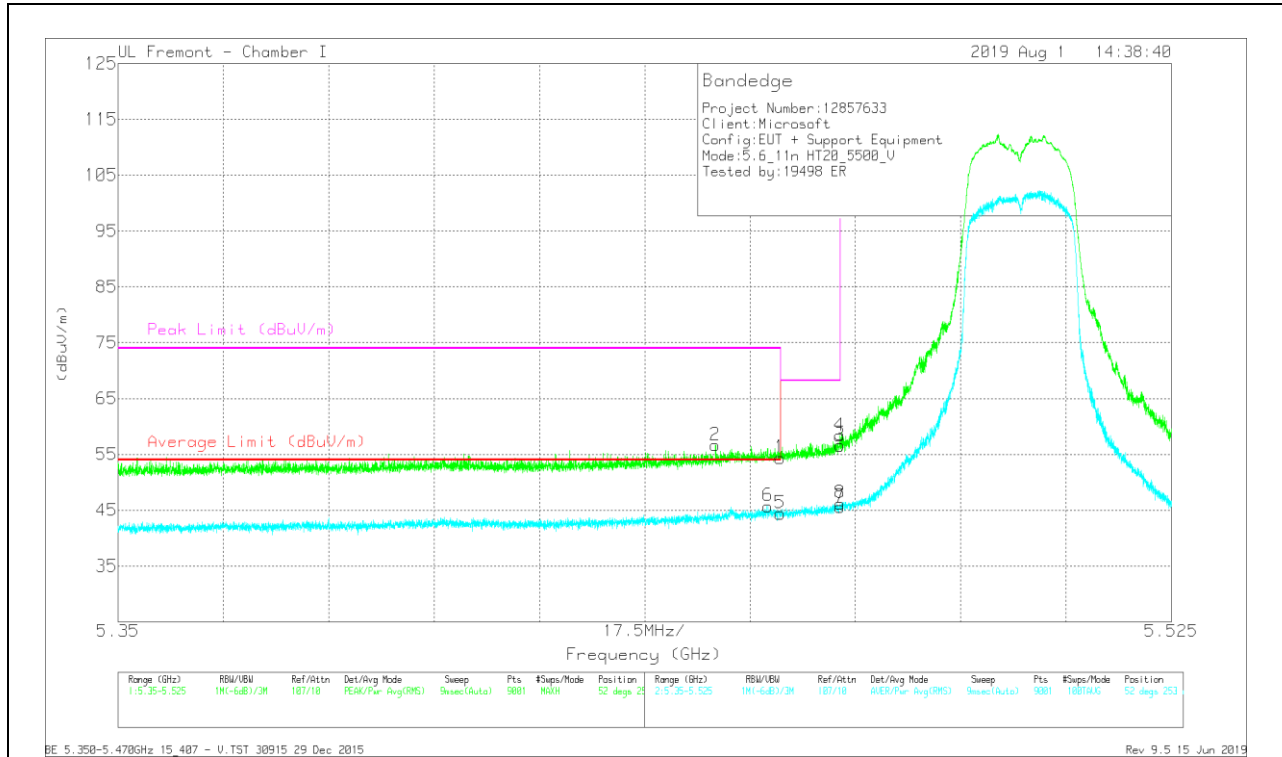
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filt/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.46	36	PK	34.9	-17.9	0	53	-	-	74	-21	118	349	H
2	5.44263	36.5	PK	34.9	-18	0	53.4	-	-	74	-19.6	118	349	H
3	5.46999	36.78	PK	34.9	-17.9	0	53.78	-	-	68.2	-14.42	118	349	H
4	5.46614	36.68	PK	34.9	-18	0	55.58	-	-	68.2	-12.62	118	349	H
5	5.46	25.94	RMS	34.9	-17.9	.24	43.18	54	-10.82	-	-	118	349	H
6	5.45206	26.71	RMS	34.8	-17.9	.24	43.85	54	-10.15	-	-	118	349	H
7	5.46999	25.58	RMS	34.9	-17.9	.24	42.82	-	-	-	-	118	349	H
8	5.46952	26.83	RMS	34.9	-18	.24	43.97	-	-	-	-	118	349	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

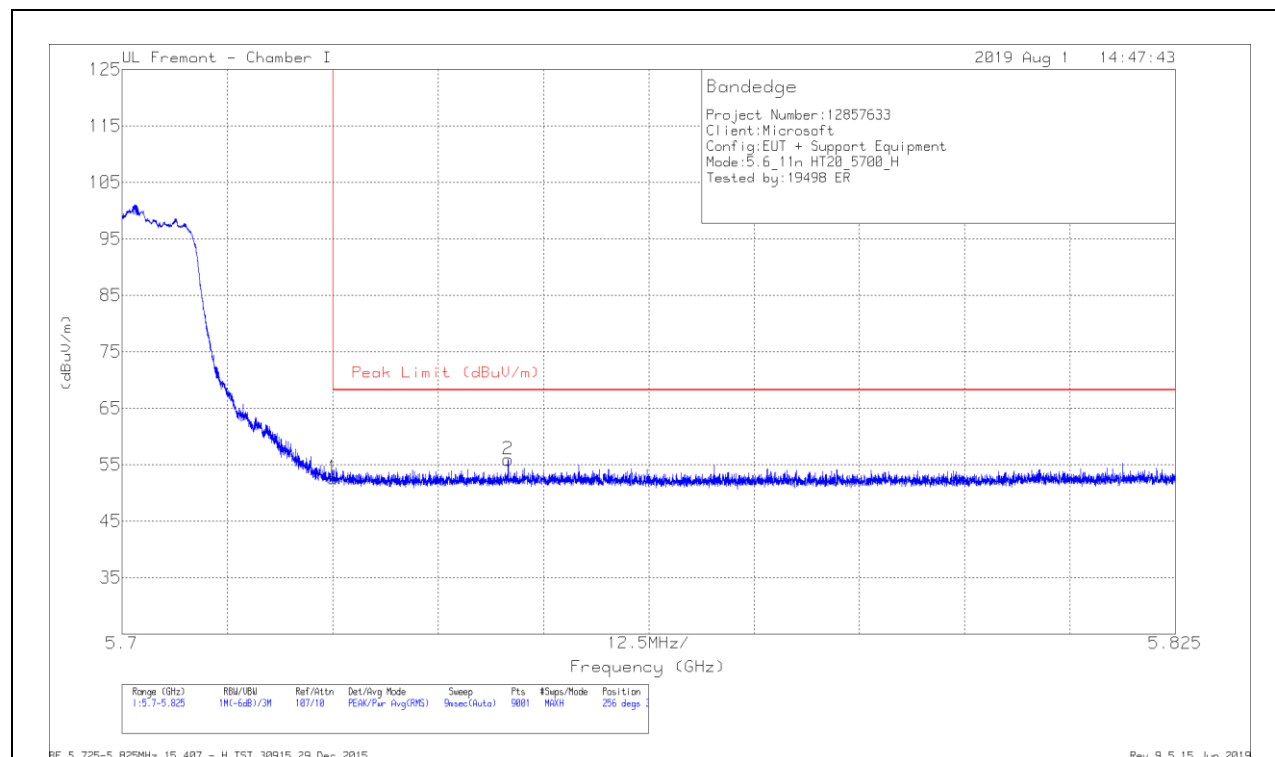


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/CM/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.46	37.39	PK	34.9	-17.9	0	54.39	-	-	74	-19.61	52	253	V
2	5.44924	39.75	PK	34.8	-17.9	0	56.65	-	-	74	-17.35	52	253	V
3	5.46999	39.62	PK	34.9	-17.9	0	56.62	-	-	68.2	-11.58	52	253	V
4	5.46989	41.45	PK	34.9	-18	0	58.35	-	-	68.2	-9.85	52	253	V
5	5.46	27.19	RMS	34.9	-17.9	24	44.43	54	-9.57	-	-	52	253	V
6	5.45795	28.5	RMS	34.9	-17.9	24	45.74	54	-8.26	-	-	52	253	V
7	5.46999	28.35	RMS	34.9	-17.9	24	45.59	-	-	-	-	52	253	V
8	5.46995	29	RMS	34.9	-17.9	24	46.24	-	-	-	-	52	253	V

Pk - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL)

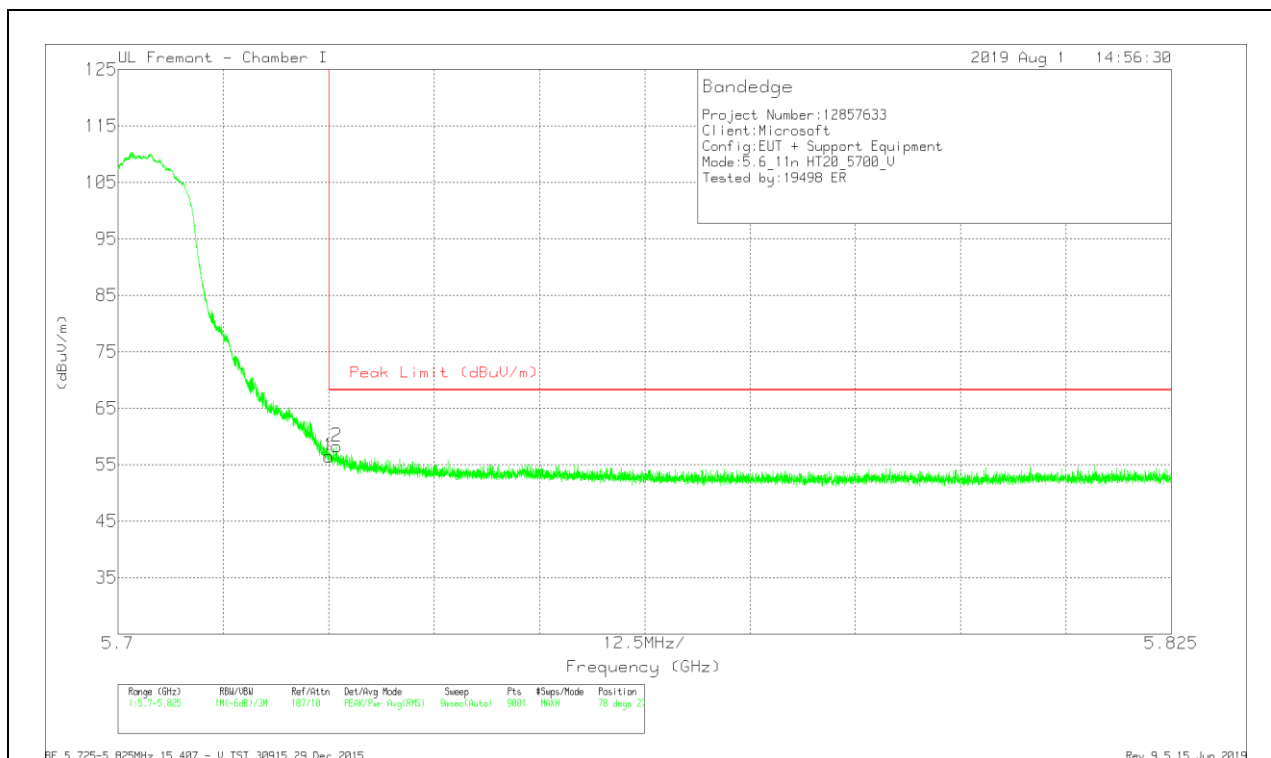
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Ftr/ Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.19	Pk	34.9	-18.5	52.59	68.2	-15.61	256	373	H
2	5.74581	39.21	Pk	35	-18.3	55.91	68.2	-12.29	256	373	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	40.1	Pk	34.9	-18.5	56.5	68.2	-11.7	78	274	V
2	5.72593	41.85	Pk	34.9	-18.5	58.25	68.2	-9.95	78	274	V

Pk - Peak detector

RADIATED EMISSIONS

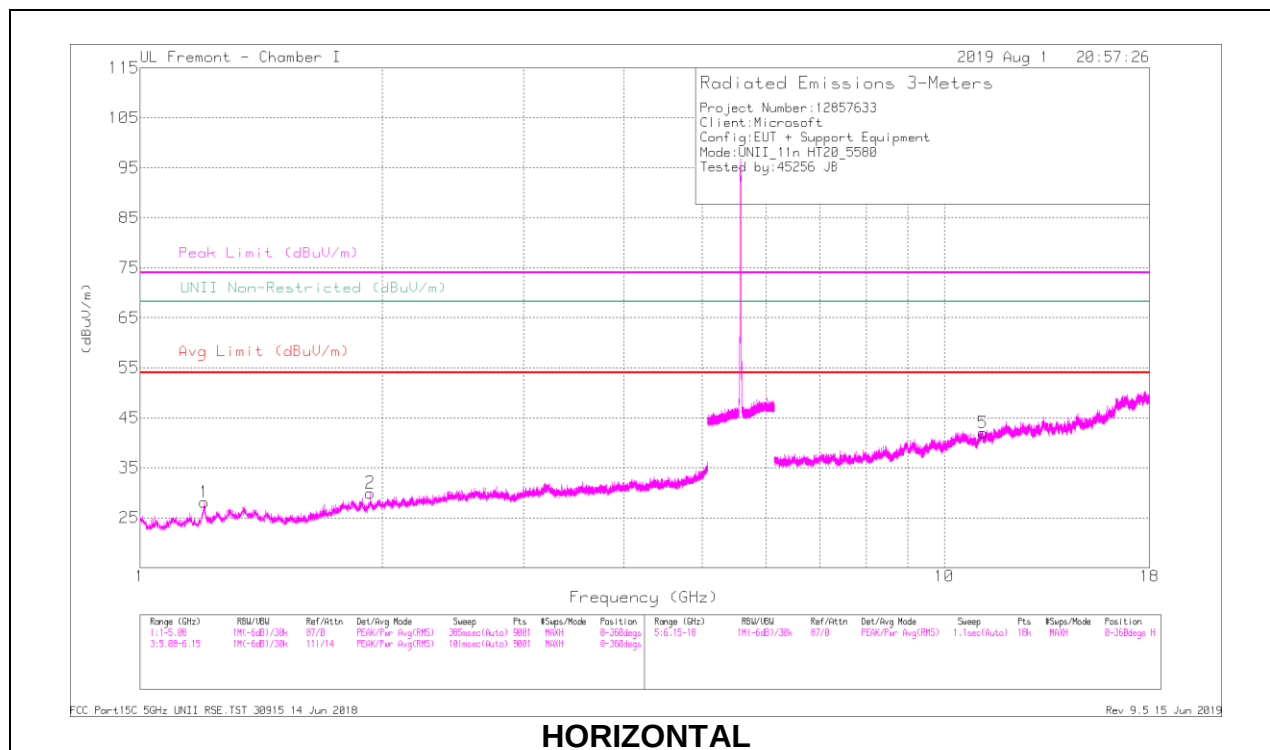
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp CMF for Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UL Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	2.48337	38.12	PK-U	32.4	-31.5	0	39.02	-	-	-	-	68.2	-29.18	316	205	H
1	* 1.19857	41.18	PK-U	28.5	-34	0	35.68	-	-	74	-38.32	-	-	325	159	H
	* 1.20023	31.27	ADR	28.5	-34	24	26.01	54	-27.99	-	-	-	-	325	159	H
4	2.47978	37.43	PK-U	32.4	-31.5	0	38.33	-	-	-	-	68.2	-29.87	340	158	V
3	* 1.19993	40.5	PK-U	28.5	-34	0	35	-	-	74	-39	-	-	140	108	V
	* 1.19928	30.61	ADR	28.5	-34	24	25.35	54	-28.65	-	-	-	-	140	108	V
5	* 10.99834	27.22	PK-U	37.8	-16.9	0	48.12	-	-	74	-25.88	-	-	2	164	H
	* 10.99558	17.43	ADR	37.8	-16.9	24	38.57	54	-15.43	-	-	-	-	2	164	H
6	* 10.99803	33.87	PK-U	37.8	-16.9	0	54.77	-	-	74	-19.23	-	-	112	206	V
	* 10.99444	23.29	ADR	37.8	-16.9	24	44.43	54	-9.57	-	-	-	-	112	206	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

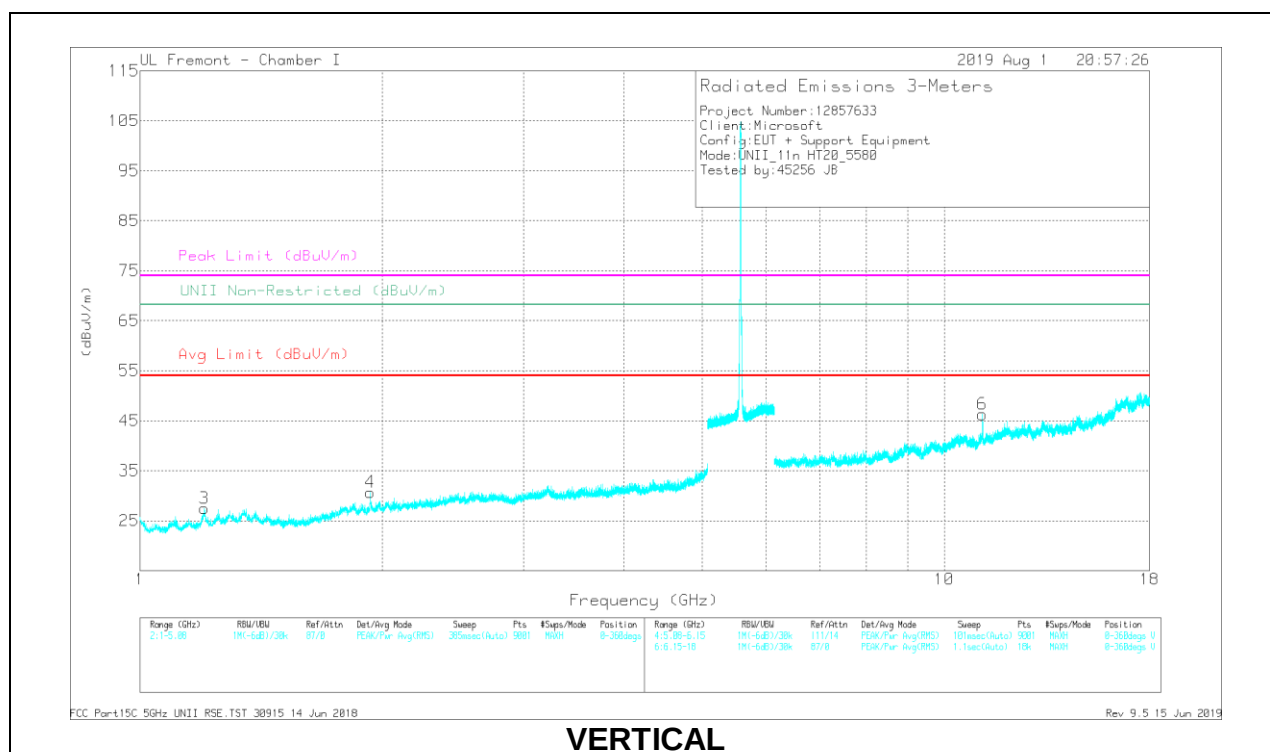
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

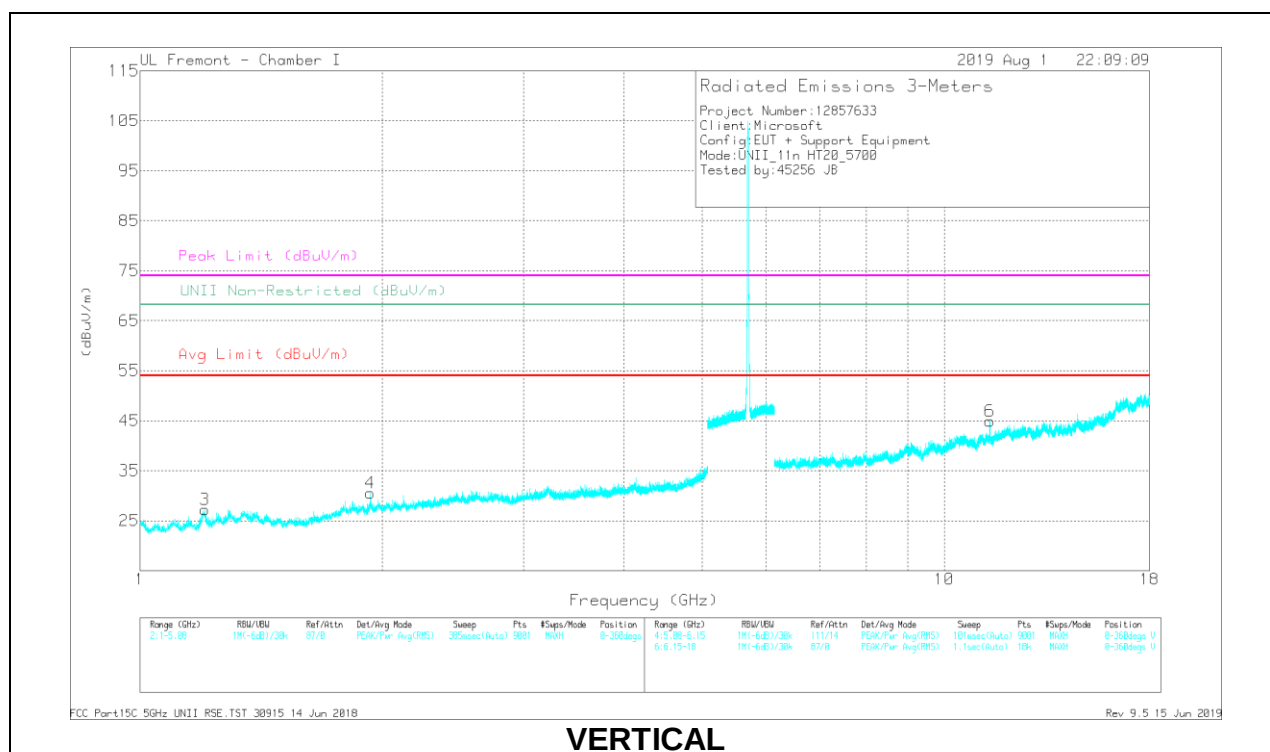
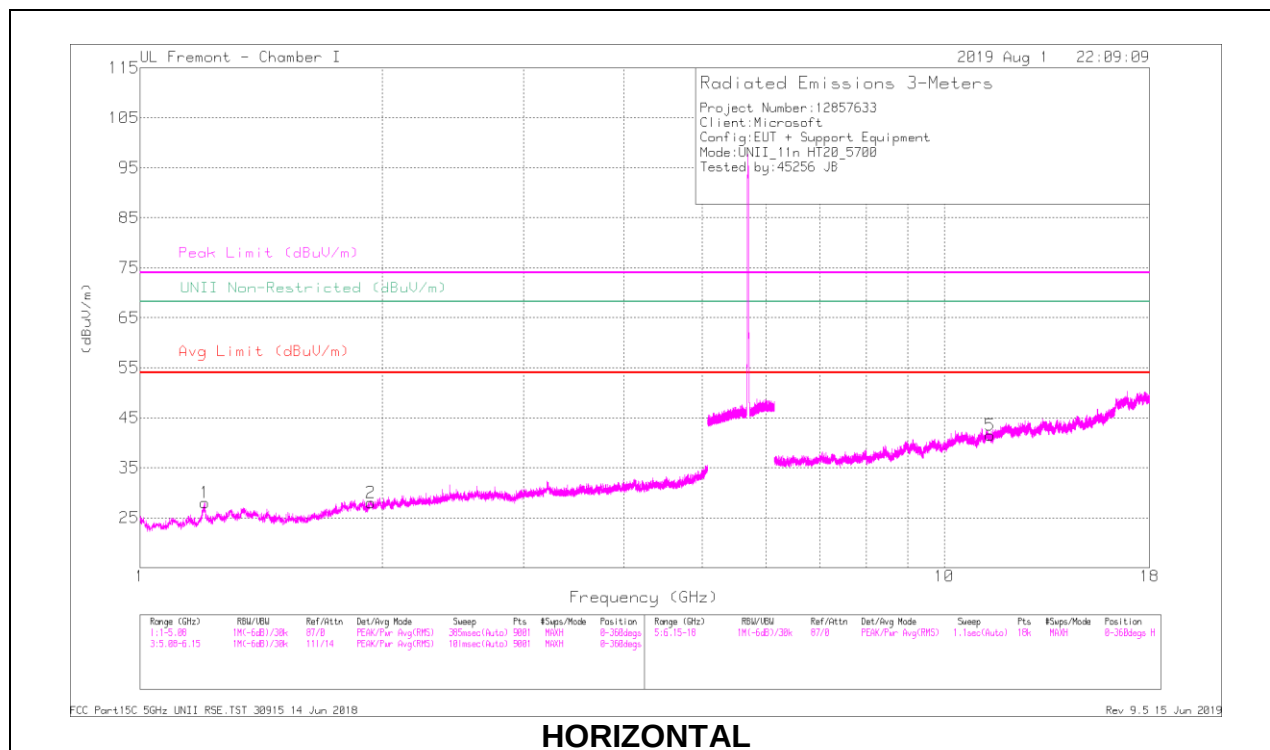
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp CMF for Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULR Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1.9332	38.48	PK-U	30.7	-32.7	0	36.48	-	-	-	-	68.2	-31.72	351	201	H
1	* 1.20227	41.61	PK-U	28.5	-34	0	36.11	-	-	74	-37.89	-	-	13	183	H
	* 1.20161	31.13	ADR	28.5	-34	24	25.87	54	-28.13	-	-	-	-	13	183	H
4	1.9327	39.01	PK-U	30.7	-32.7	0	37.01	-	-	-	-	68.2	-31.19	274	100	V
3	* 1.20437	41.11	PK-U	28.5	-34	0	35.61	-	-	74	-38.39	-	-	143	155	V
	* 1.20189	31.38	ADR	28.5	-34	24	26.12	54	-27.88	-	-	-	-	143	155	V
5	* 11.16931	28.78	PK-U	37.9	-16.6	0	50.08	-	-	74	-23.92	-	-	97	383	H
	* 11.16878	19.33	ADR	38	-16.6	24	40.87	54	-13.03	-	-	-	-	97	383	H
6	* 11.15861	31.98	PK-U	37.9	-16.6	0	53.28	-	-	74	-20.72	-	-	112	223	V
	* 11.15588	22.64	ADR	37.9	-16.5	24	44.28	54	-9.72	-	-	-	-	112	223	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

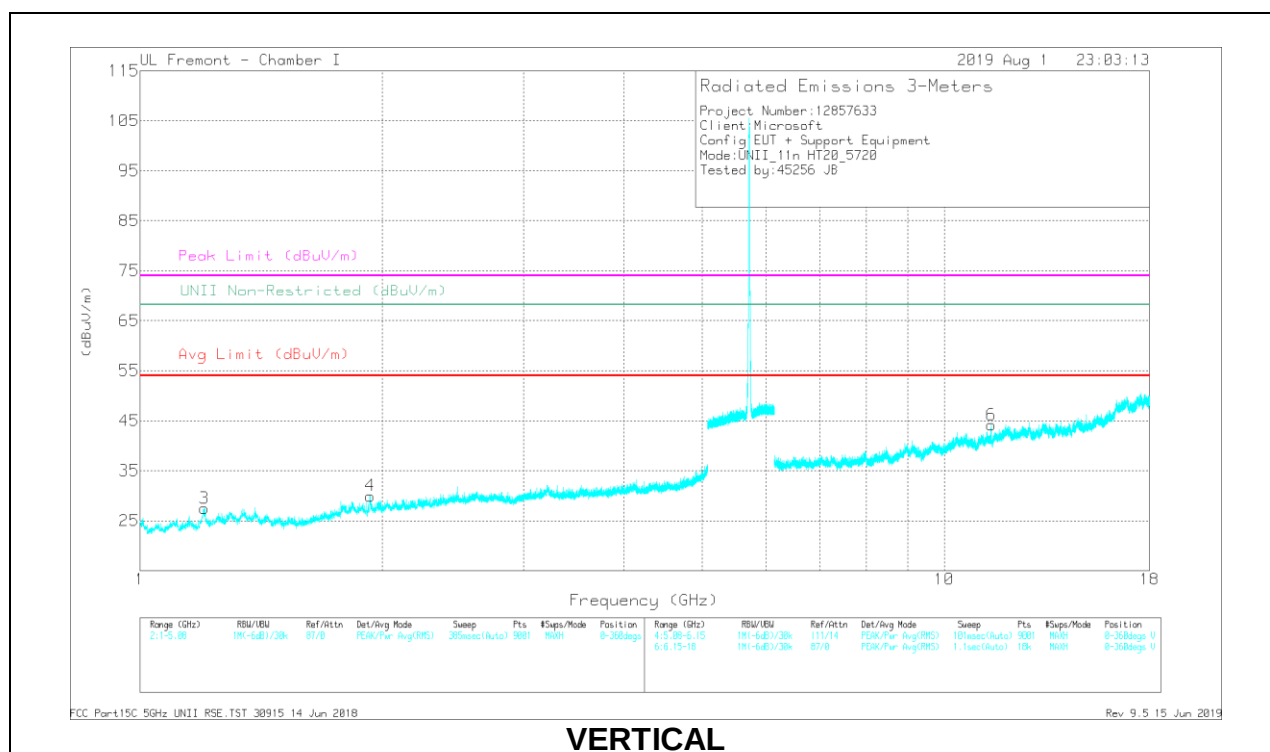
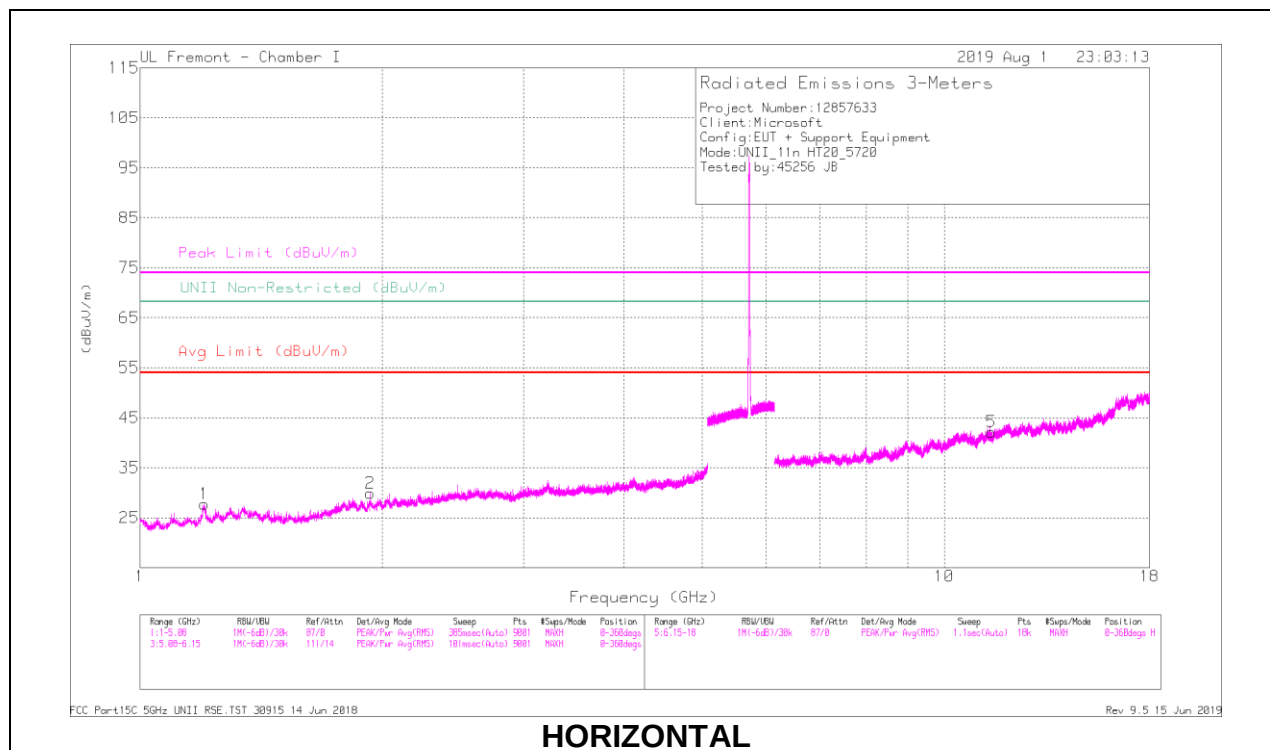
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp CMF for Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULR Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Deg)	Height (cm)	Polarity
2	1.93725	37.17	PK-U	30.7	-32.7	0	35.17	-	-	-	-	68.2	-33.03	297	234	H
1	* 1.20299	40.78	PK-U	28.5	-34	0	35.28	-	-	74	-38.72	-	-	346	120	H
	* 1.202	30.79	ADR	28.5	-34	24	25.53	54	-28.47	-	-	-	-	346	120	H
4	1.93361	39.63	PK-U	30.7	-32.7	0	37.63	-	-	-	-	68.2	-30.57	353	218	V
3	* 1.20361	40.8	PK-U	28.5	-34	0	35.3	-	-	74	-38.7	-	-	145	146	V
	* 1.20284	31.61	ADR	28.5	-34	24	26.35	54	-27.65	-	-	-	-	145	146	V
5	* 11.40193	27.56	PK-U	38.1	-16.1	0	49.56	-	-	74	-24.44	-	-	143	313	H
	* 11.40109	18.03	ADR	38.1	-16.1	24	40.27	54	-13.73	-	-	-	-	143	313	H
6	* 11.39445	27.58	PK-U	38.1	-16.2	0	49.48	-	-	74	-24.52	-	-	143	110	V
	* 11.39653	17.94	ADR	38.1	-16.2	24	40.08	54	-13.92	-	-	-	-	143	110	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

CHANNEL 144 RESULTS



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF 1562 (dBm)	Amp CMF for Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	ULR Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	1.93297	38.39	PK-U	30.7	-32.7	0	36.39	-	-	-	-	68.2	-31.81	349	180	H
1	* 1.20009	40.45	PK-U	28.5	-34	0	34.95	-	-	74	-39.05	-	-	345	132	H
	* 1.2018	31.07	ADR	28.5	-34	24	25.81	54	-28.19	-	-	-	-	345	132	H
4	1.93403	38.79	PK-U	30.7	-32.7	0	36.79	-	-	-	-	68.2	-31.41	339	198	V
3	* 1.20343	40.73	PK-U	28.5	-34	0	35.23	-	-	74	-38.77	-	-	80	253	V
	* 1.20321	31.71	ADR	28.5	-34	24	26.45	54	-27.55	-	-	-	-	80	253	V
5	* 11.44334	28.33	PK-U	38.1	-16.5	0	49.93	-	-	74	-24.07	-	-	290	121	H
	* 11.44626	17.5	ADR	38.2	-16.5	24	39.44	54	-14.56	-	-	-	-	280	121	H
6	* 11.44002	30.65	PK-U	38.1	-16.4	0	52.35	-	-	74	-21.65	-	-	58	201	V
	* 11.44006	21.14	ADR	38.1	-16.4	24	43.08	54	-10.92	-	-	-	-	58	201	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

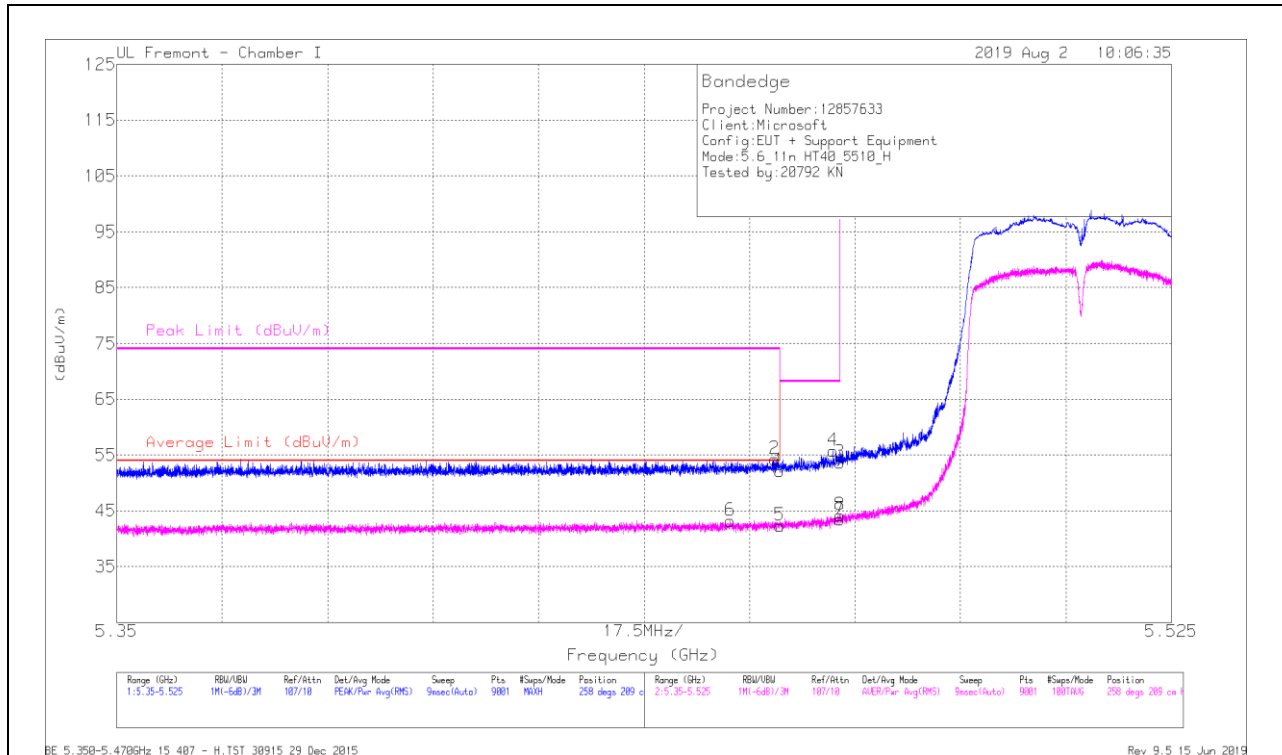
ADR - U-NII AD primary method, RMS average

9.1.11. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Filt/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.46	35.16	Pk	34.9	-17.9	0	52.16	-	-	74	-21.84	258	209	H
2	5.45922	37.31	Pk	34.9	-17.9	0	54.31	-	-	74	-19.69	258	209	H
3	5.46999	36.69	Pk	34.9	-17.9	0	53.69	-	-	68.2	-14.51	258	209	H
4	5.46888	38.9	Pk	34.9	-18	0	55.8	-	-	68.2	-12.4	258	209	H
5	5.46	24.88	RMS	34.9	-17.9	.44	42.32	54	-11.68	-	-	258	209	H
6	5.45181	25.87	RMS	34.8	-17.9	.44	43.21	54	-10.79	-	-	258	209	H
7	5.46999	26.05	RMS	34.9	-17.9	.44	43.49	-	-	-	-	258	209	H
8	5.46995	26.78	RMS	34.9	-17.9	.44	44.22	-	-	-	-	258	209	H

Pk - Peak detector
RMS - RMS detection

UL Fremont - Chamber I

2019 Aug 2 10:16:29

Bandedge

Project Number: 12857633
Client: Microsoft
Config: EUT + Support Equipment
Made: 5.6.11n HT40 5510 U
Tested by: 20792 KN

Peak Limit (dBuU/m)

Average Limit (dBuU/m)

17.5MHz/

5.35 5.525

Frequency (GHz)

Range (GHz)	RBW/VBW	Ref/Att'n	Det/Avg Mode	Sweep	PLs	#Sps/Mode	Position	Range (GHz)	RBW/VBW	Ref/Att'n	Det/Avg Mode	Sweep	PLs	#Sps/Mode	Position
1:3.35-5.525	11n-5dB/3M	107/10	FEW/Par Avg(RMS)	9ussec(Auto)	9dB1	1600	272 degs 272 c	2:5.35-5.525	11n-5dB/3M	107/10	FEW/Par Avg(RMS)	9ussec(Auto)	9dB1	1600	272 degs 272 c

5.6 11n HT40 5510 U a16.DAT 30915 29 Dec 2015

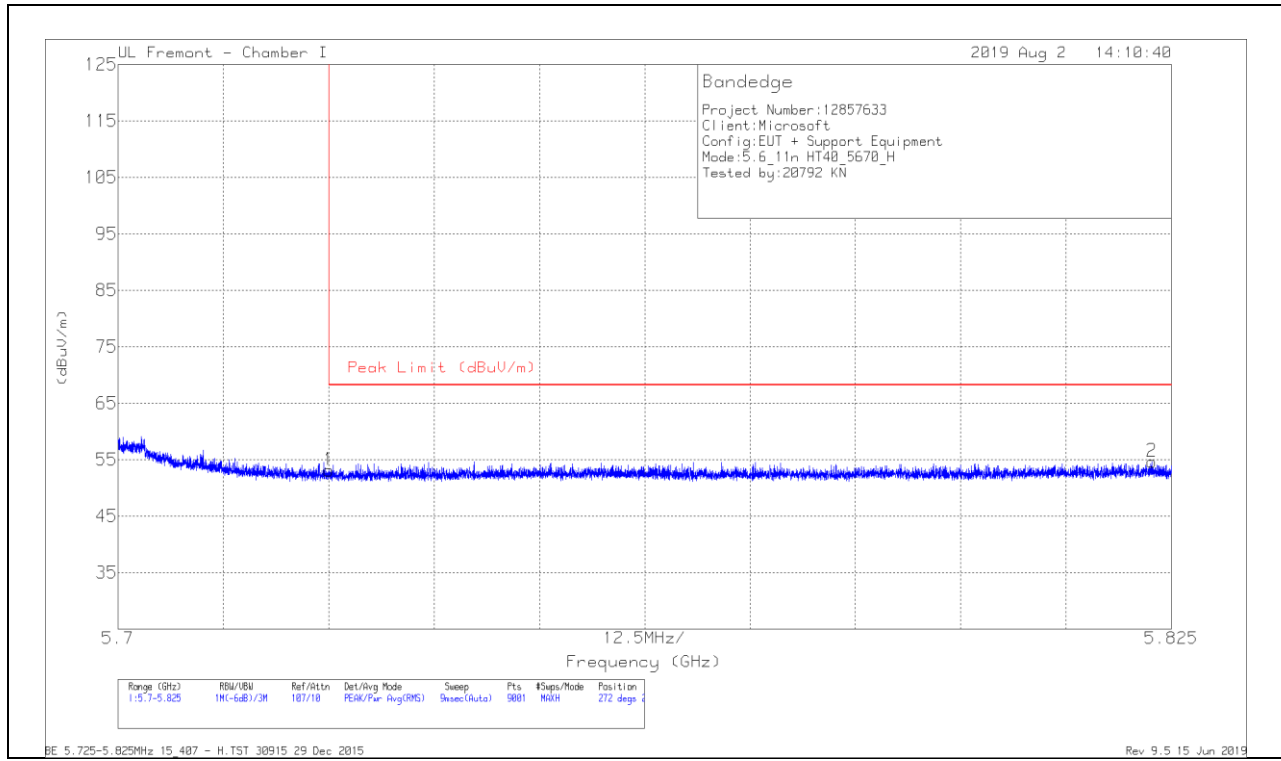
Rev 9.5 15 Jun 2019

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amplitude (dBuV/m)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dB)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.46	36.68	PK	34.9	-17.9	0	53.68	-	-	74	-20.32	272	272	V
2	5.46524	39.68	PK	34.9	-17.9	0	56.68	-	-	74	-17.32	272	272	V
3	5.46999	40.56	PK	34.9	-17.9	0	57.56	-	-	68.2	-10.64	272	272	V
4	5.46966	41.24	PK	34.9	-18	0	58.14	-	-	68.2	-10.06	272	272	V
5	5.46	26.65	RMS	34.9	-17.9	.44	44.09	54	-9.91	-	-	272	272	V
6	5.45959	27.35	RMS	34.9	-17.9	.44	44.79	54	-9.21	-	-	272	272	V
7	5.46999	28.88	RMS	34.9	-17.9	.44	46.32	-	-	-	-	272	272	V
8	5.462	29.27	RMS	34.9	-17.9	.44	46.71	-	-	-	-	272	272	V

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47173 Benicia Street, Fremont, CA 94538; USA TEL:(510) 319-4000 FAX:(510) 661-0888
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BANDEDGE (HIGH CHANNEL)

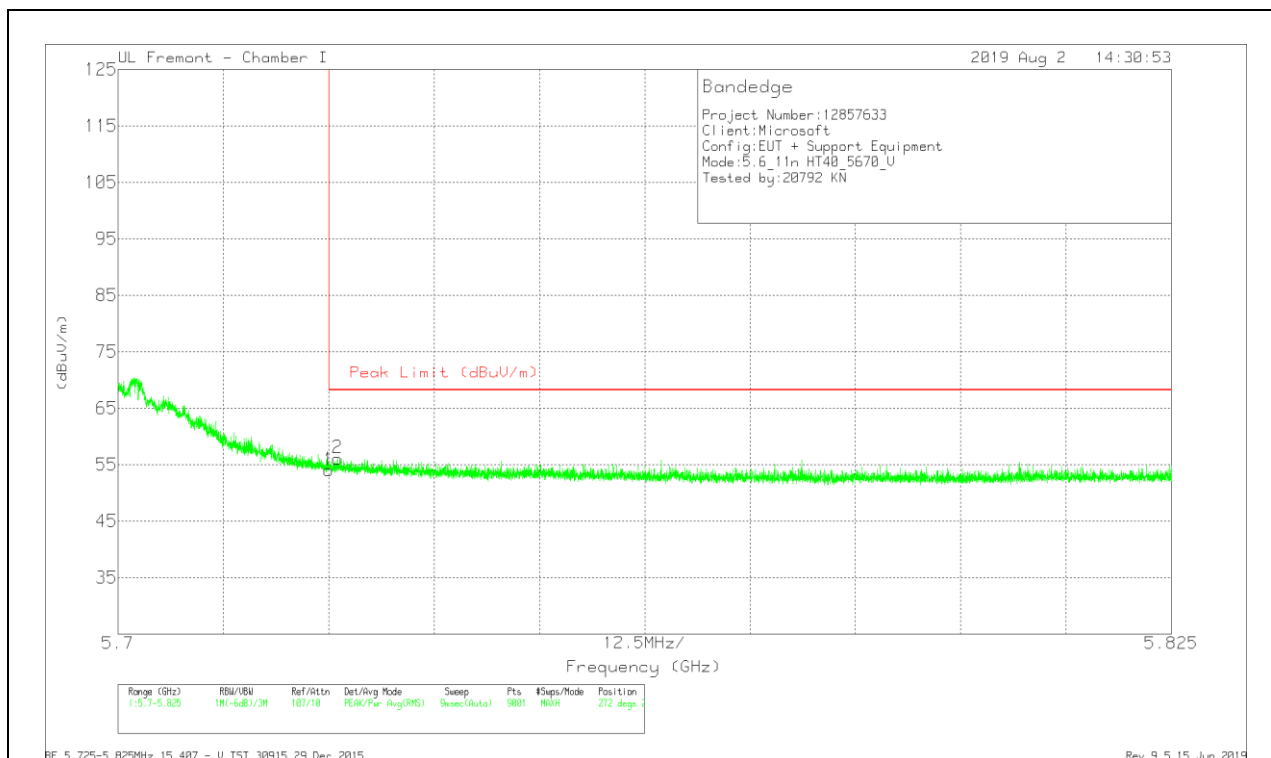
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cb/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.73	Pk	34.9	-18.5	0	53.13	68.2	-15.07	272	292	H
2	5.8227	37.44	Pk	35.1	-17.9	0	54.64	68.2	-13.56	272	292	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Ampl/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	37.63	Pk	34.9	-18.5	0	54.03	68.2	-14.17	272	215	V
2	5.72607	39.72	Pk	34.9	-18.5	0	56.12	68.2	-12.08	272	215	V

Pk - Peak detector