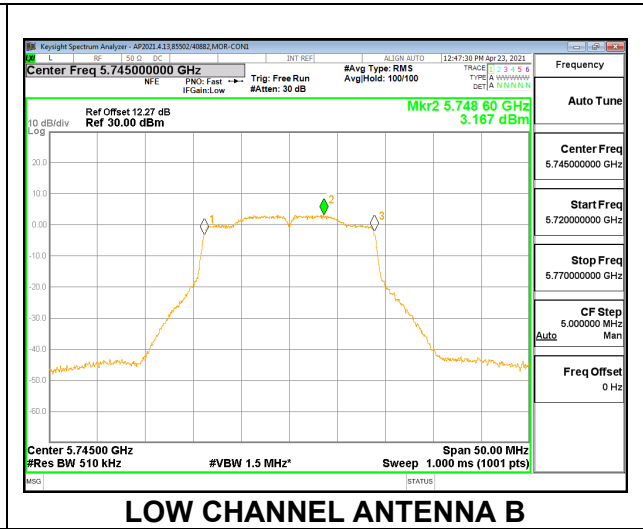
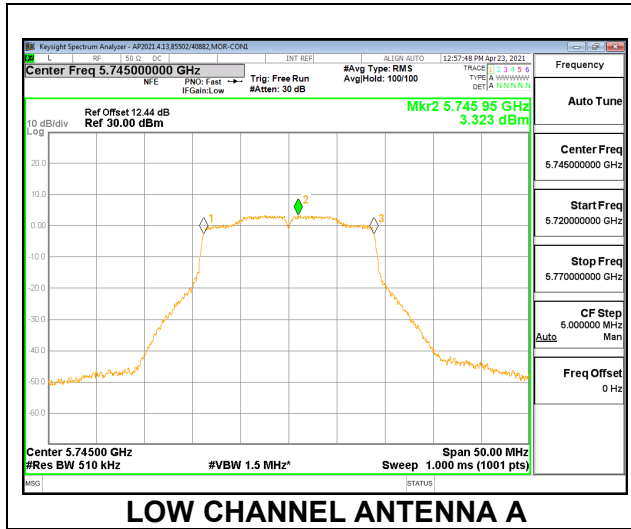
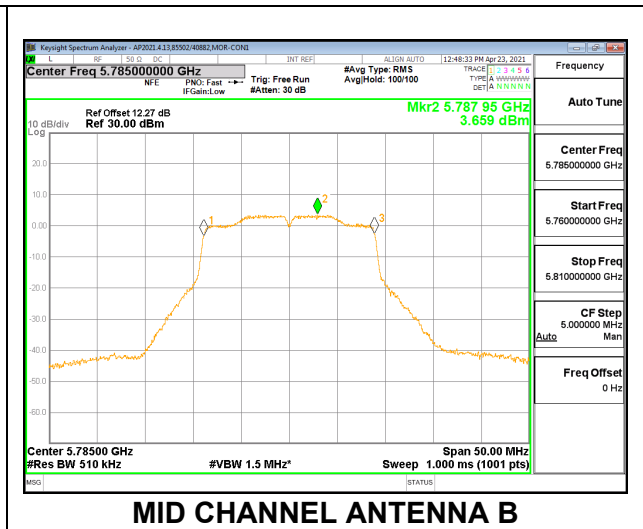
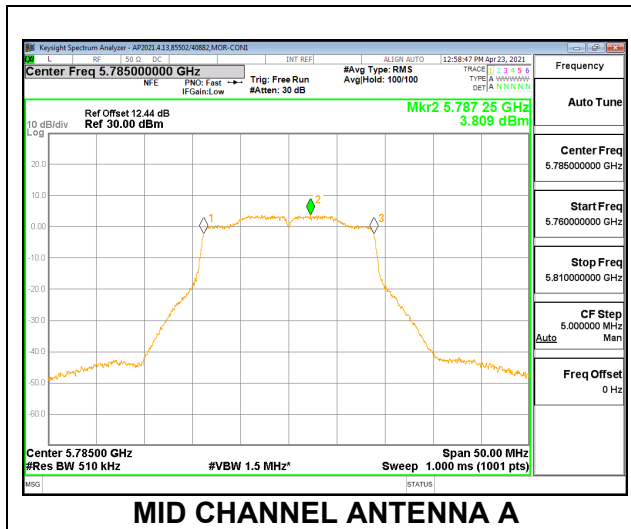


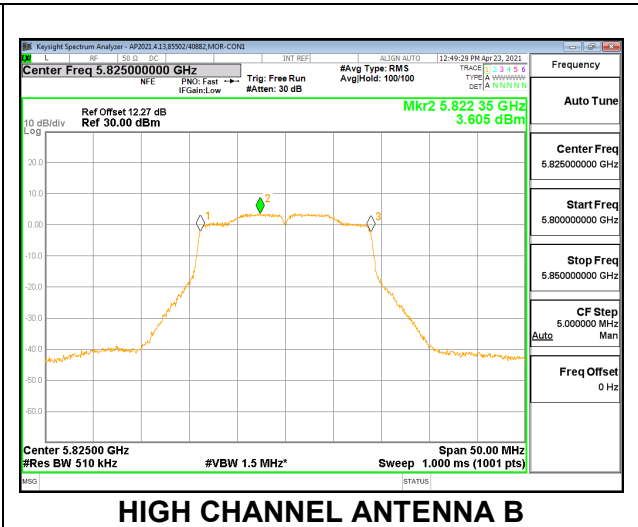
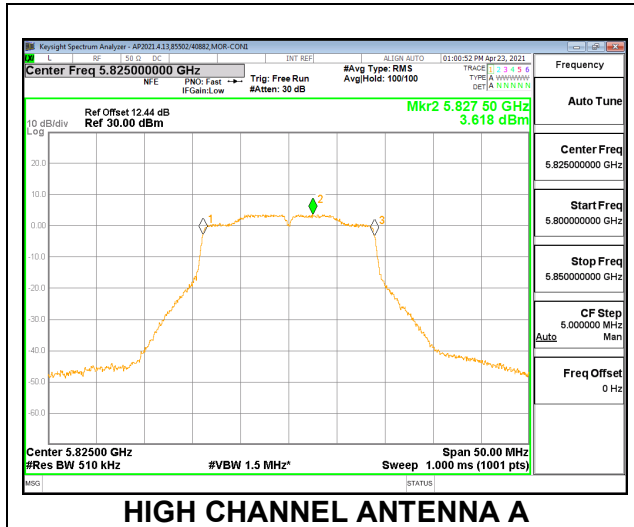
LOW CHANNEL



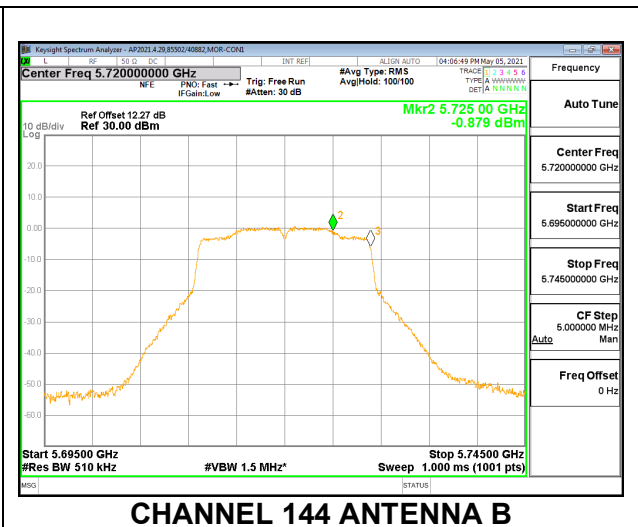
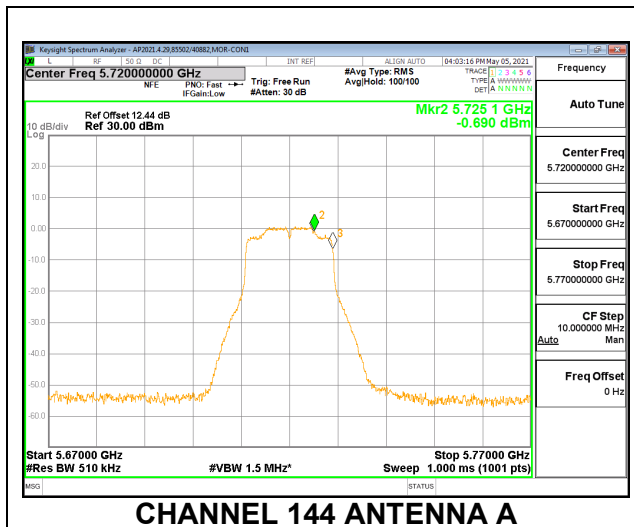
MID CHANNEL



HIGH CHANNEL



CHANNEL 144



9.4.3. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna A MODE (FCC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5755	7.80	28.20	28.20
High	5795	7.80	28.20	28.20
142	5710	7.80	28.20	28.20

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

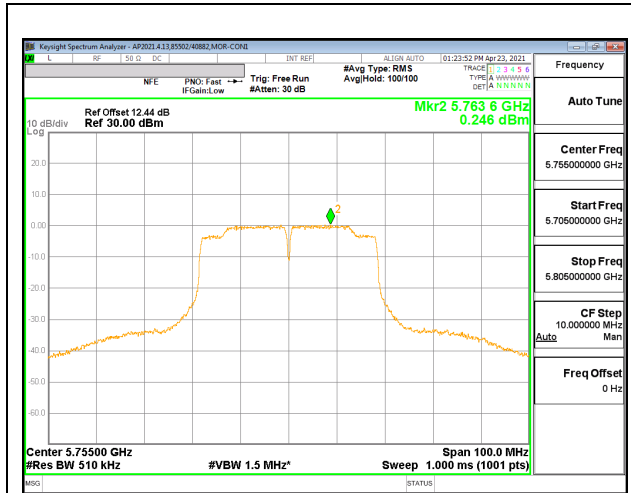
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	18.680	18.680	28.20	-9.52
High	5795	18.750	18.750	28.20	-9.45
142	5710	18.890	18.890	28.20	-9.31

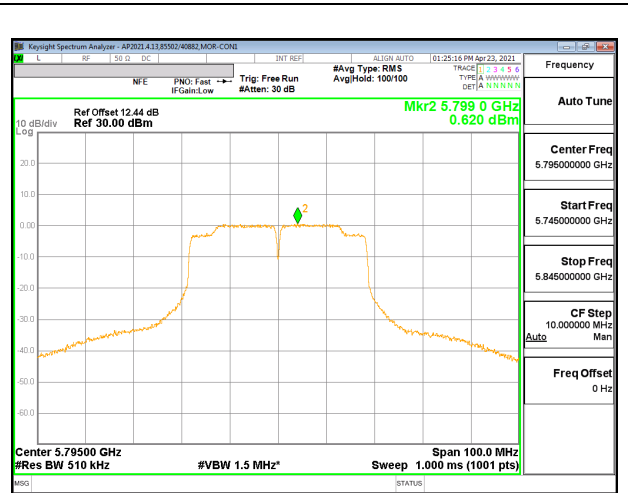
PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	0.246	0.246	28.20	-27.95
High	5795	0.620	0.620	28.20	-27.58
142	5710	-2.126	-2.126	28.20	-30.33

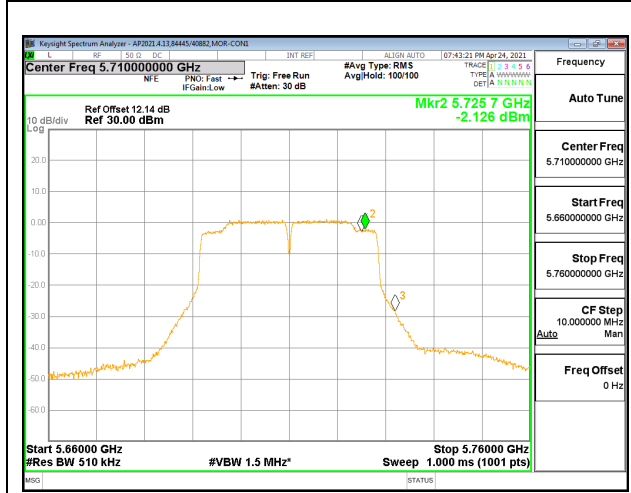
Note: Average power taken as gated measurements.



LOW CHANNEL



HIGH CHANNEL



CHANNEL 142

INTENTIONALLY LEFT BLANK

1TX Antenna A MODE (IC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5755	7.80	28.20	28.20
High	5795	7.80	28.20	28.20
142	5710	7.80	28.20	28.20

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

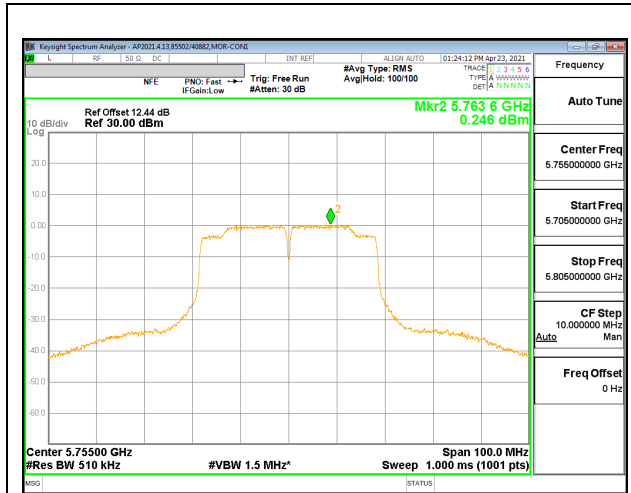
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	18.680	18.680	28.20	-9.52
High	5795	18.750	18.750	28.20	-9.45
142	5710	18.890	18.890	28.20	-9.31

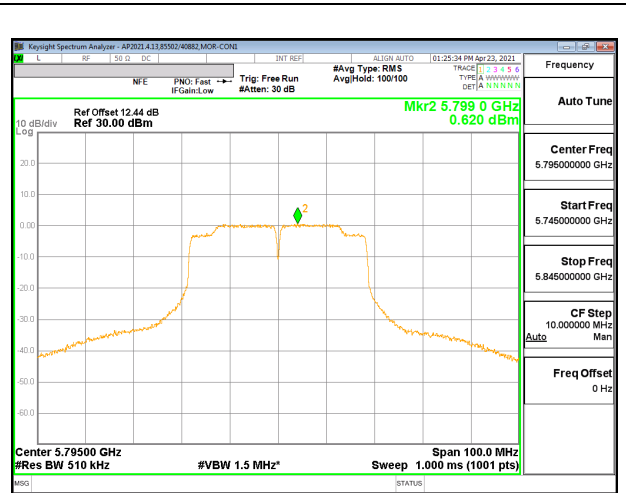
PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	0.246	0.246	28.20	-27.95
High	5795	0.620	0.620	28.20	-27.58
142	5710	-2.126	-2.126	28.20	-30.33

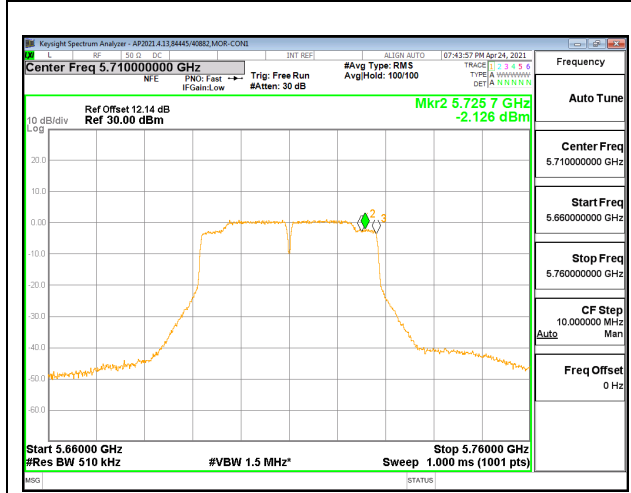
Note: Average power taken as gated measurements.



LOW CHANNEL



HIGH CHANNEL



CHANNEL 142

INTENTIONALLY LEFT BLANK

1TX Antenna B MODE (FCC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5755	7.70	28.30	28.30
High	5795	7.70	28.30	28.30
142	5710	7.70	28.30	28.30

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

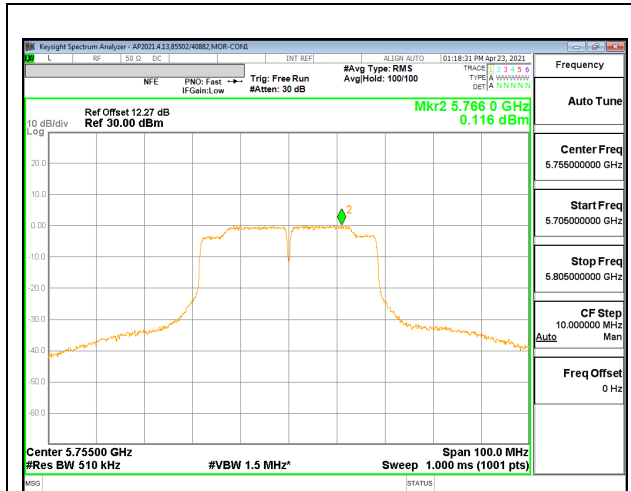
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	18.550	18.550	28.30	-9.75
High	5795	18.770	18.770	28.30	-9.53
142	5710	19.330	19.330	28.30	-8.97

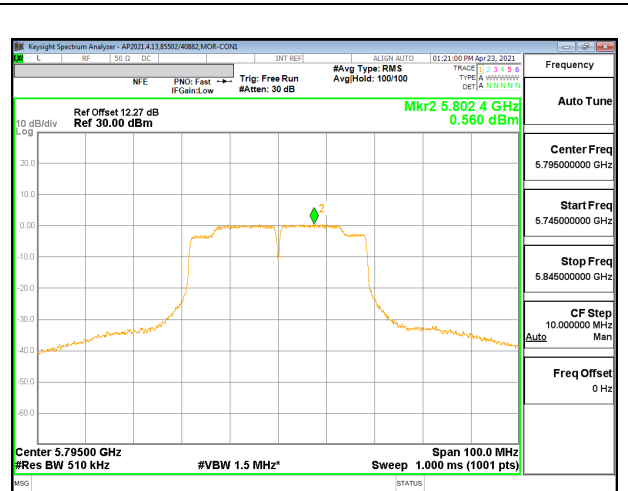
PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	0.116	0.116	28.30	-28.18
High	5795	0.560	0.560	28.30	-27.74
142	5710	-2.635	-2.635	28.30	-30.94

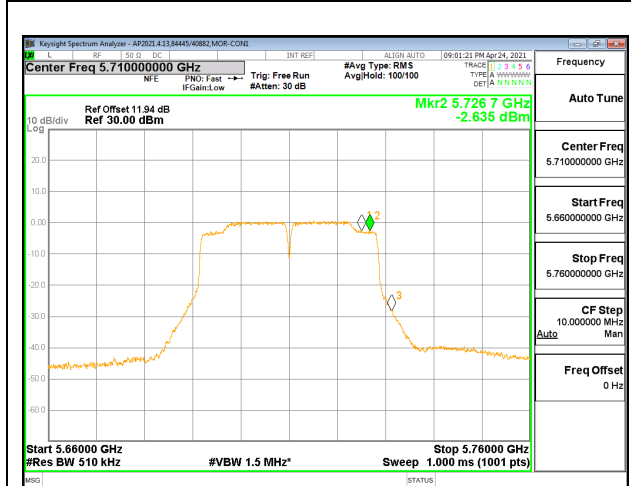
Note: Average power taken as gated measurements.



LOW CHANNEL



HIGH CHANNEL



CHANNEL 142

INTENTIONALLY LEFT BLANK

1TX Antenna B MODE (IC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5755	7.70	28.30	28.30
High	5795	7.70	28.30	28.30
142	5710	7.70	28.30	28.30

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

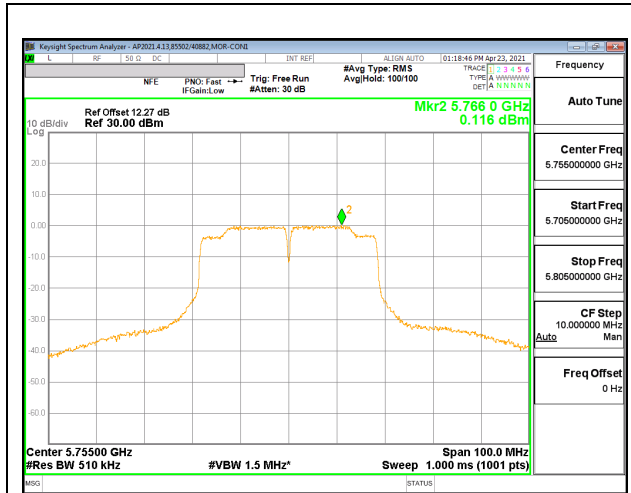
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	18.550	18.550	28.30	-9.75
High	5795	18.770	18.770	28.30	-9.53
142	5710	19.330	19.330	28.30	-8.97

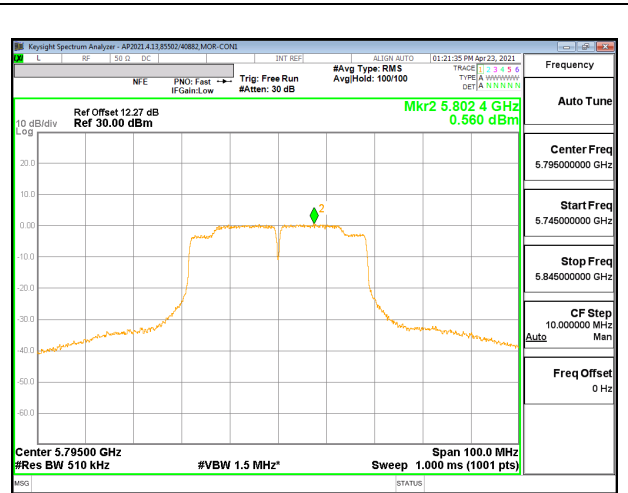
PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	0.116	0.116	28.30	-28.18
High	5795	0.560	0.560	28.30	-27.74
142	5710	-2.635	-2.635	28.30	-30.94

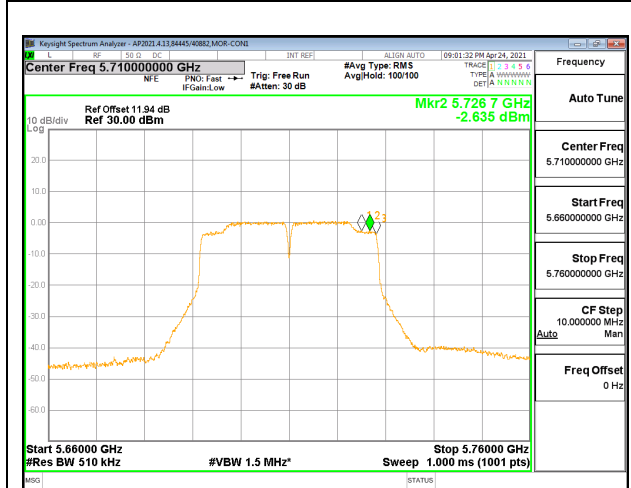
Note: Average power taken as gated measurements.



LOW CHANNEL



HIGH CHANNEL



CHANNEL 142

INTENTIONALLY LEFT BLANK

2TX Antenna A + Antenna B SDM MODE (FCC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5755	7.75	7.75	28.25	28.25
High	5795	7.75	7.75	28.25	28.25
142	5710	7.75	7.75	28.25	28.25

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

Output Power Results

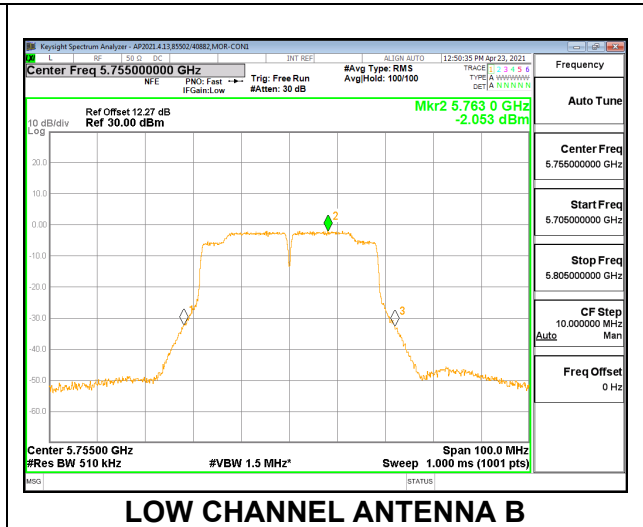
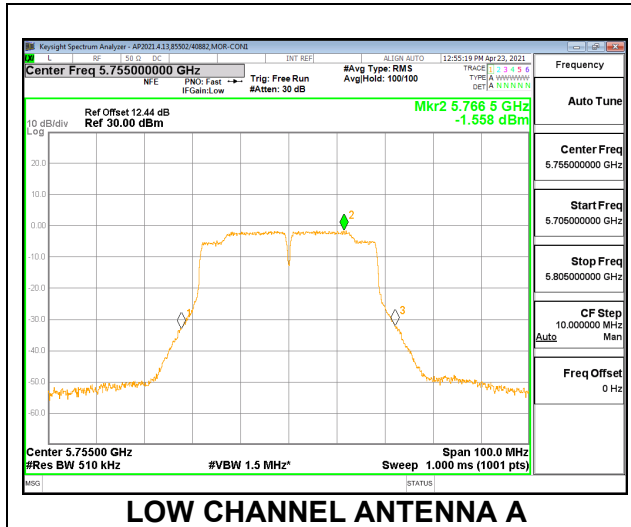
Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	16.84	16.42	19.65	28.25	-8.60
High	5795	16.85	16.56	19.72	28.25	-8.53
142	5710	15.00	14.56	17.80	28.25	-10.45

PSD Results

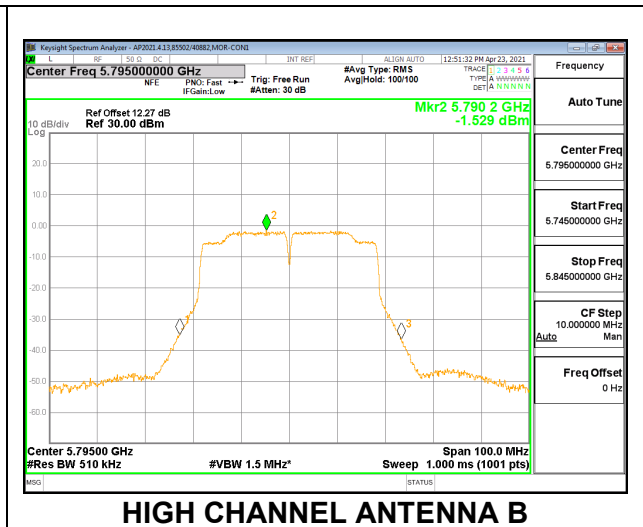
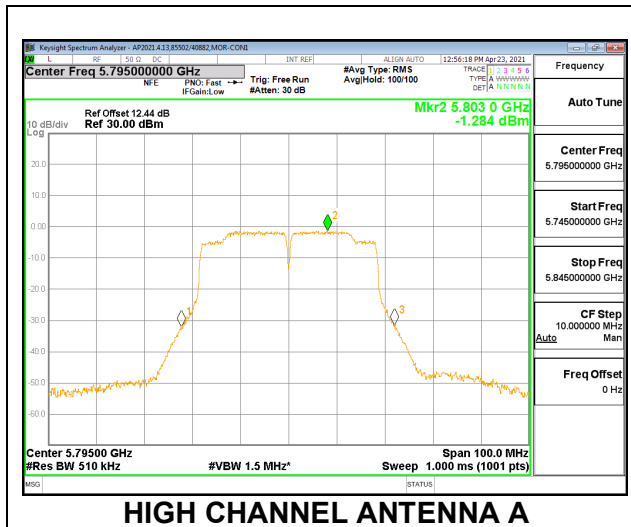
Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 500KHz)	Antenna 2 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5755	-1.558	-2.053	1.21	28.25	-27.04
High	5795	-1.284	-1.529	1.61	28.25	-26.64
142	5710	-1.754	-6.900	-0.60	28.25	-28.85

Note: Average power taken as gated measurements.

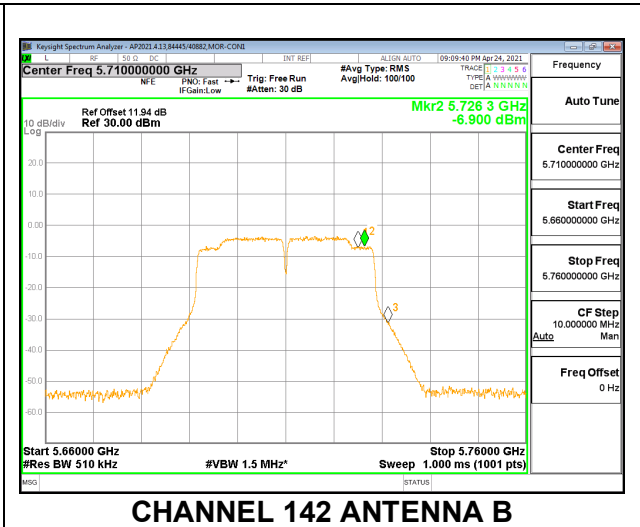
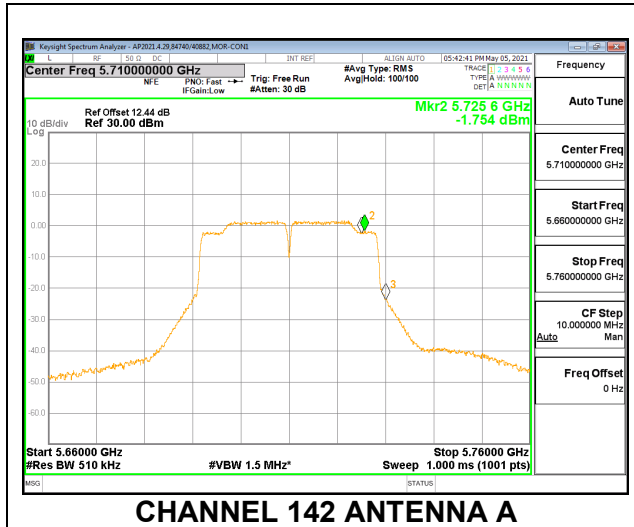
LOW CHANNEL



HIGH CHANNEL



CHANNEL 142



2TX Antenna A + Antenna B SDM MODE (IC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5755	7.75	7.75	28.25	28.25
High	5795	7.75	7.75	28.25	28.25
142	5710	7.75	7.75	28.25	28.25

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

Output Power Results

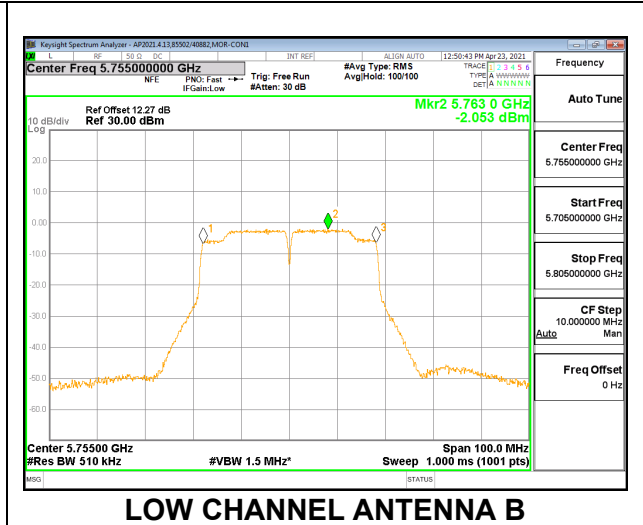
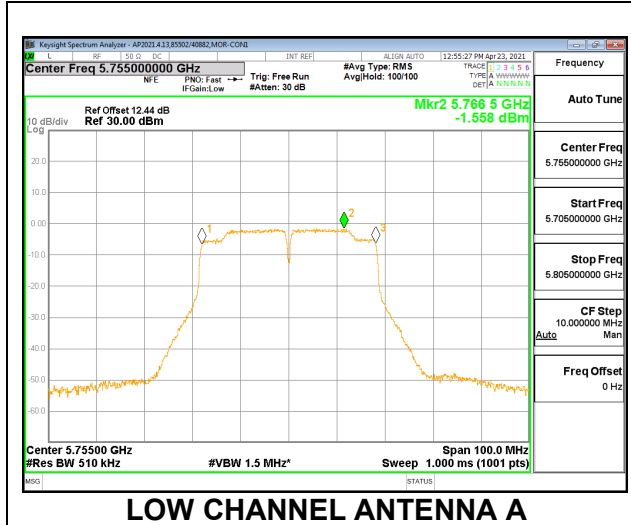
Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	16.84	16.42	19.65	28.25	-8.60
High	5795	16.85	16.56	19.72	28.25	-8.53
142	5710	15.00	14.56	17.80	28.25	-10.45

PSD Results

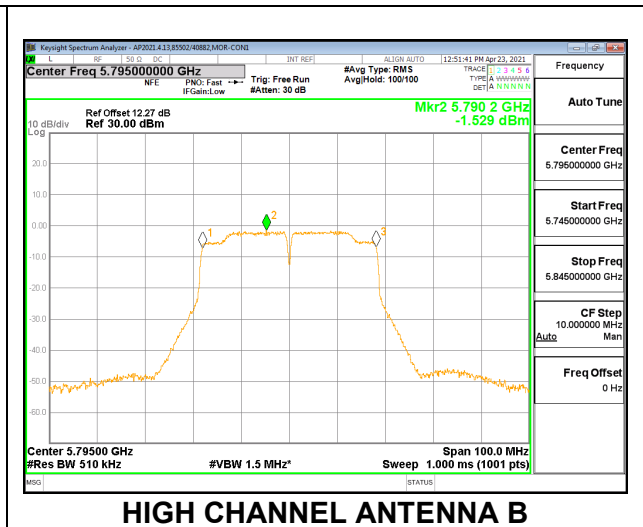
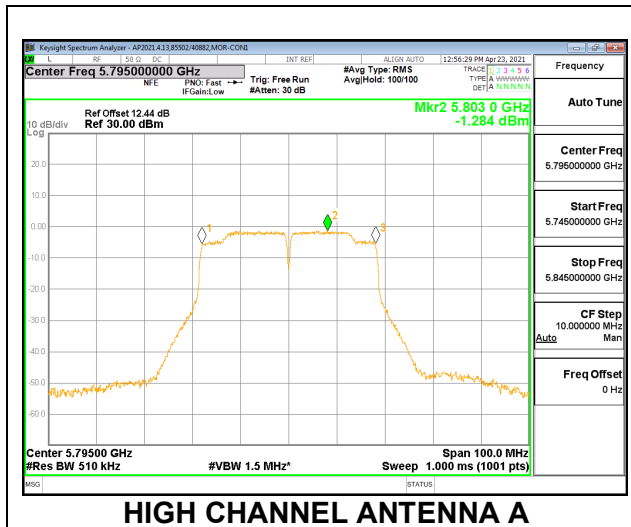
Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm)	Antenna 2 Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-1.558	-2.053	1.21	28.25	-27.04
High	5795	-1.284	-1.529	1.61	28.25	-26.64
142	5710	-1.754	-6.900	-0.60	28.25	-28.85

Note: Average power taken as gated measurements.

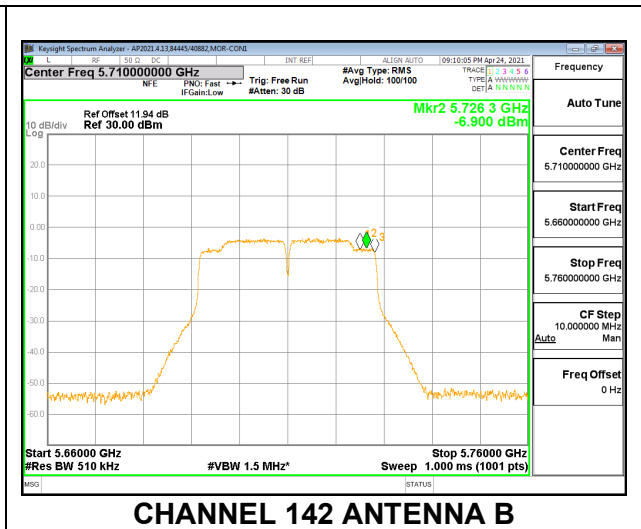
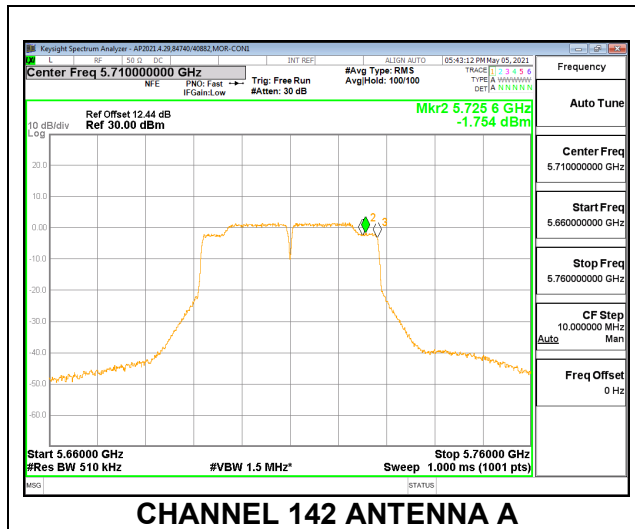
LOW CHANNEL



HIGH CHANNEL



CHANNEL 142



9.4.4. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna A MODE (FCC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Mid	5775	7.80	28.20	28.20
138	5690	7.80	28.20	28.20

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

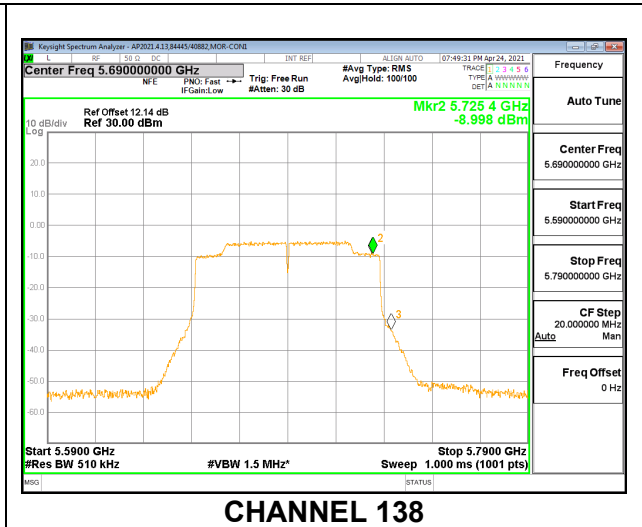
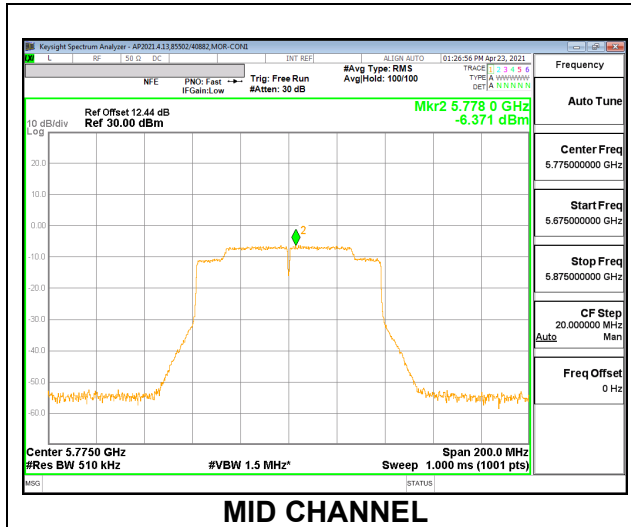
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.960	14.960	28.20	-13.24
138	5690	16.040	16.040	28.20	-12.16

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-6.371	-6.371	28.20	-34.57
138	5690	-8.998	-8.998	28.20	-37.20

Note: Average power taken as gated measurements.



1TX Antenna A MODE (IC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Mid	5775	7.80	28.20	28.20
138	5690	7.80	28.20	28.20

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

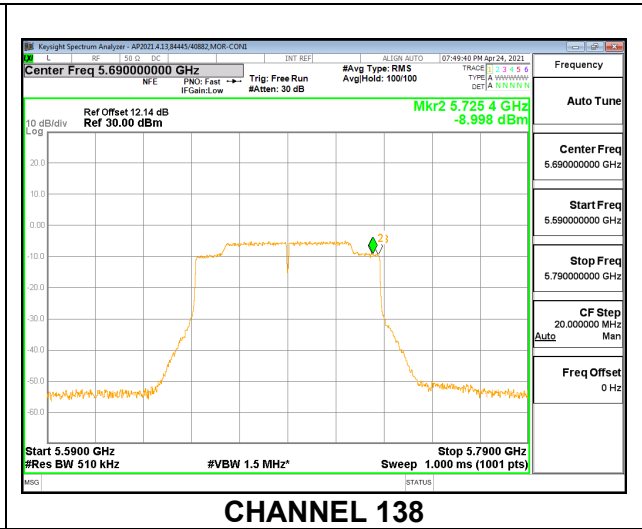
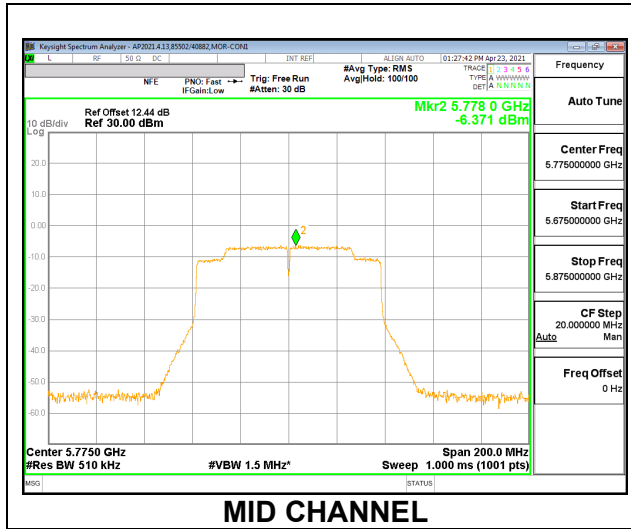
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.960	14.960	28.20	-13.24
138	5690	16.040	16.040	28.20	-12.16

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-6.371	-6.371	28.20	-34.57
138	5690	-8.998	-8.998	28.20	-37.20

Note: Average power taken as gated measurements.



1TX Antenna B MODE (FCC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Mid	5775	7.70	28.30	28.30
138	5690	7.70	28.30	28.30

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

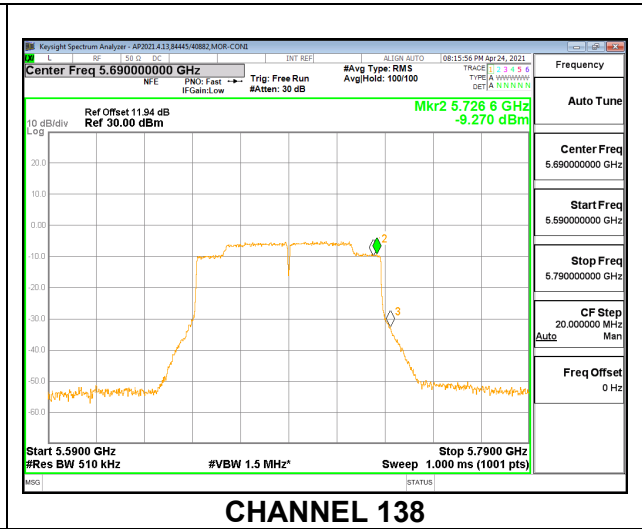
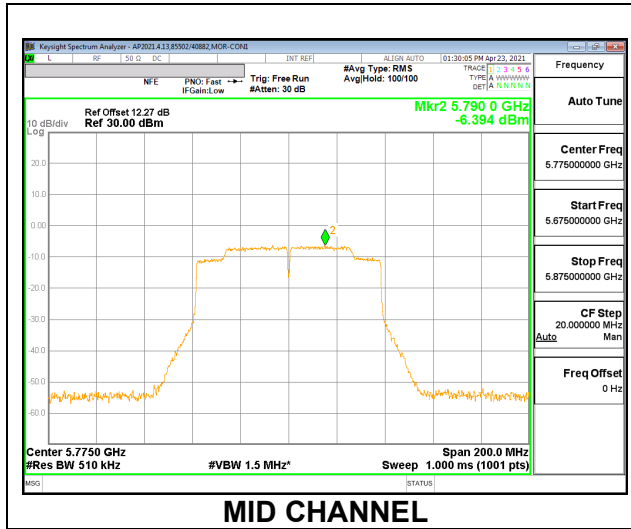
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.750	14.750	28.30	-13.55
138	5690	15.840	15.840	28.30	-12.46

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-6.394	-6.394	28.30	-34.69
138	5690	-9.270	-9.270	28.30	-37.57

Note: Average power taken as gated measurements.



1TX Antenna B MODE (IC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Mid	5775	7.70	28.30	28.30
138	5690	7.70	28.30	28.30

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

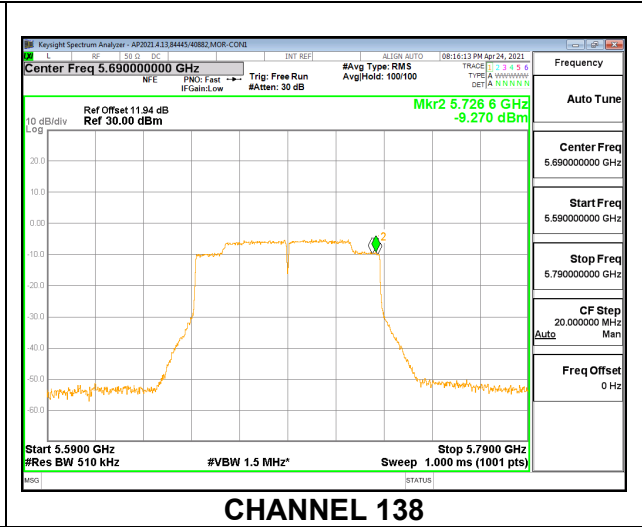
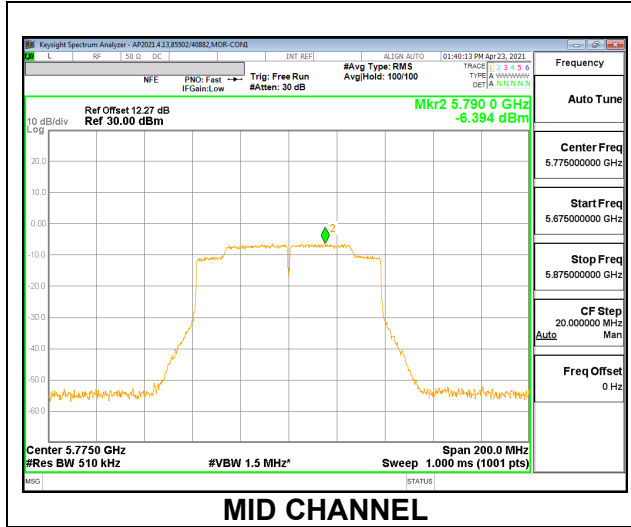
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	14.750	14.750	28.30	-13.55
138	5690	15.840	15.840	28.30	-12.46

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-6.394	-6.394	28.30	-34.69
138	5690	-9.270	-9.270	28.30	-37.57

Note: Average power taken as gated measurements.



2TX Antenna A + Antenna B SDM MODE (FCC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Mid	5775	7.75	7.75	28.25	28.25
138	5690	7.75	7.75	28.25	28.25

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

Output Power Results

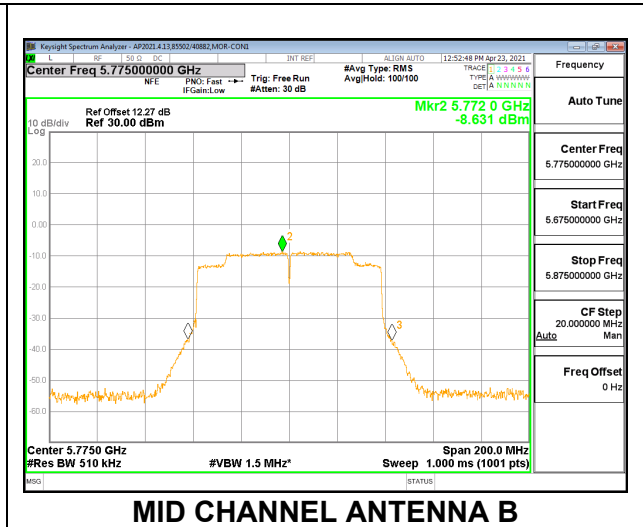
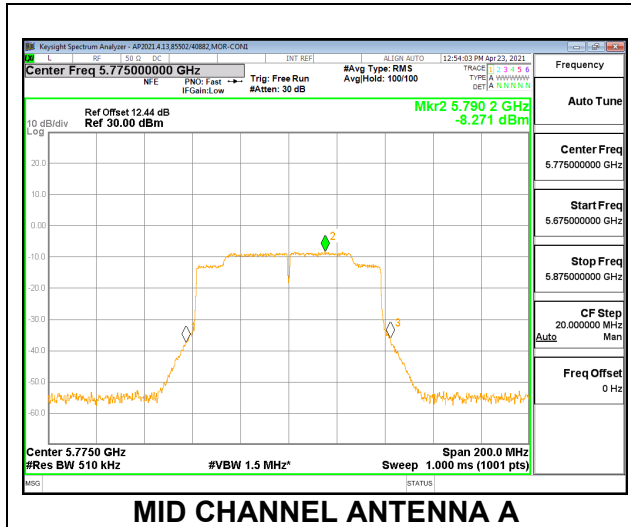
Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	13.04	12.66	15.86	28.25	-12.39
138	5690	14.02	13.80	16.92	28.25	-11.33

PSD Results

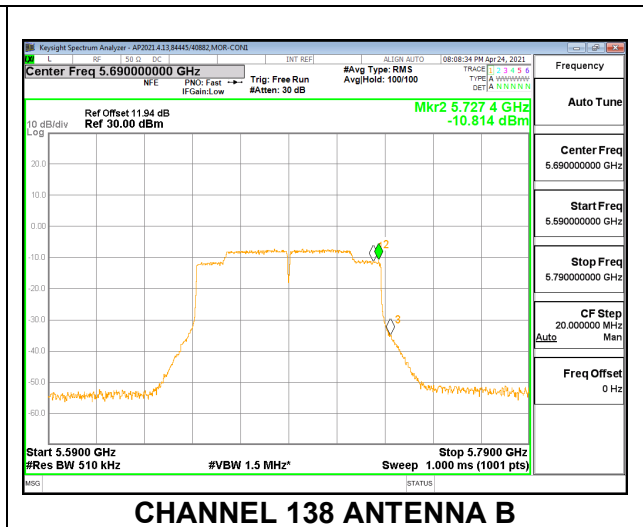
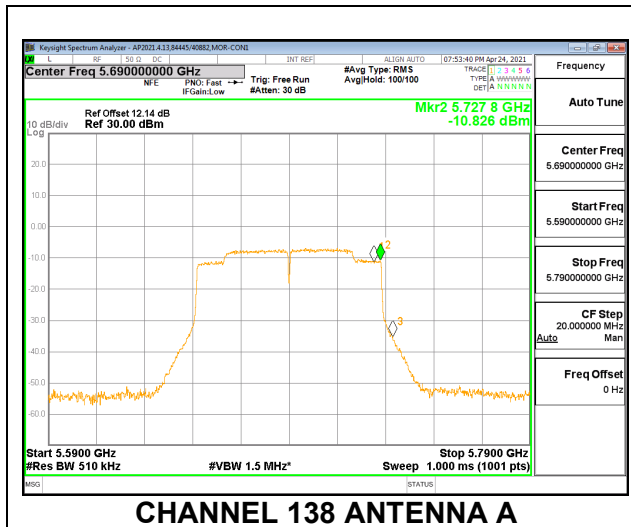
Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 500KHz)	Antenna 2 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-8.271	-8.631	-5.44	28.25	-33.69
138	5690	-10.826	-10.814	-7.81	28.25	-36.06

Note: Average power taken as gated measurements.

MID CHANNEL



CHANNEL 138



2TX Antenna A + Antenna B SDM MODE (IC)

Test Engineer:	85502/40882
Test Date:	4/23/2021-4/24/2021, 5/5/2021

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain For Power (dBi)	Directional Gain For PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Mid	5775	7.75	7.75	28.25	28.25
138	5690	7.75	7.75	28.25	28.25

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

Output Power Results

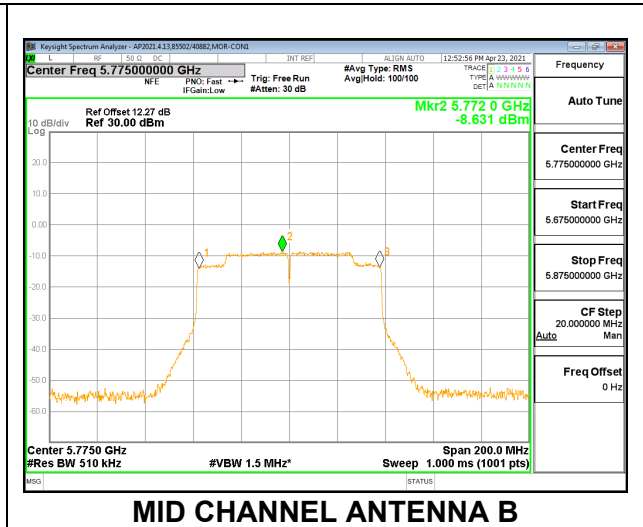
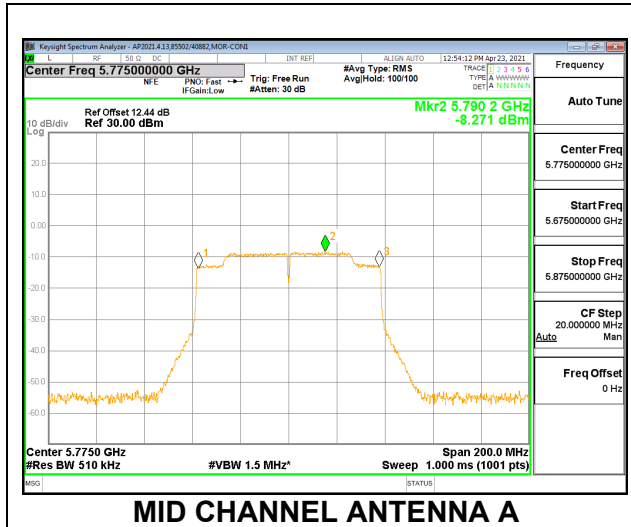
Channel	Frequency (MHz)	Antenna 1 Meas Power (dBm)	Antenna 2 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	13.04	12.66	15.86	28.25	-12.39
138	5690	14.02	13.80	16.92	28.25	-11.33

PSD Results

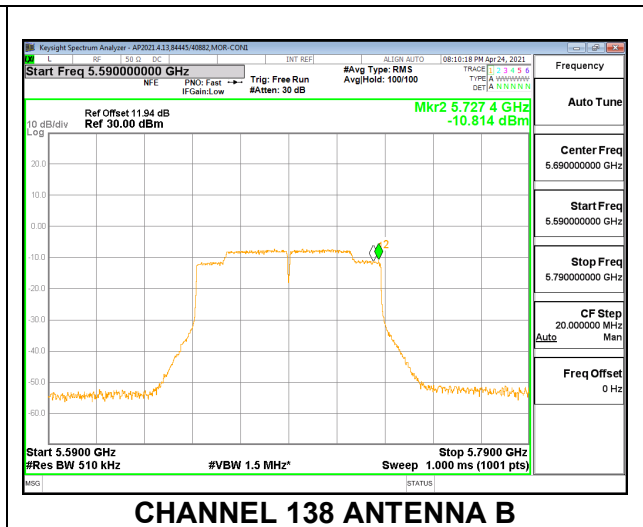
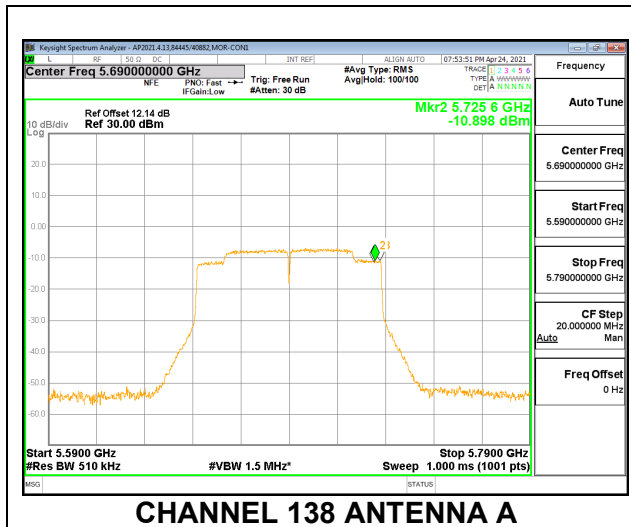
Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 500KHz)	Antenna 2 Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-8.271	-8.631	-5.44	28.25	-33.69
138	5690	-10.898	-10.814	-7.85	28.25	-36.10

Note: Average power taken as gated measurements.

MID CHANNEL



CHANNEL 138



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 - Restricted bands
FCC §15.407(b)(4) - Un-Restricted bands

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

RSS 247 Issue 2 Sections
6.2.4.2 (for 5725-5850 MHz band)

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 in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz 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 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5.8 GHz bands.

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

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

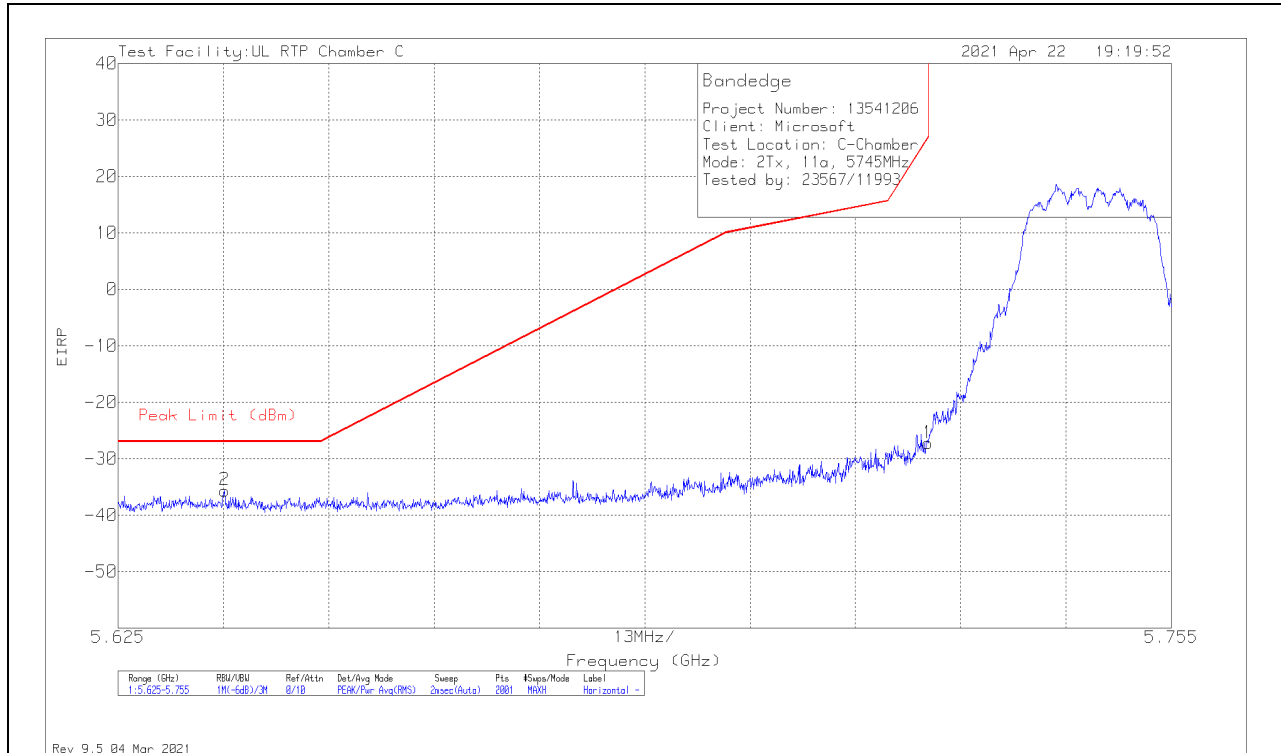
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

2TX Antenna A + Antenna B CDD MODE

BANDEDGE (LOW CHANNEL)

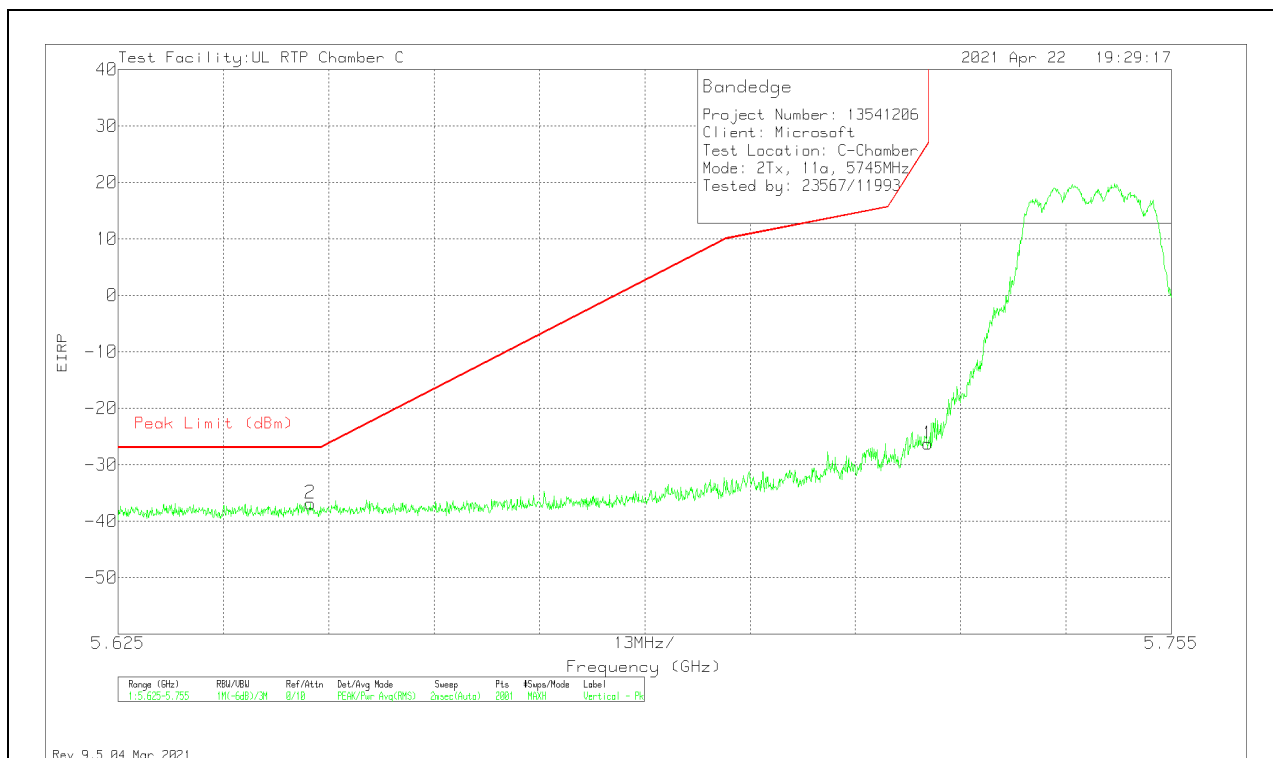
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63813	-69.52	Pk	34.8	-12.7	11.8	-35.62	-27	-8.62	14	298	H
1	5.72497	-61.16	Pk	34.8	-12.7	11.8	-27.26	26.93	-54.19	14	298	H

Pk - Peak detector

VERTICAL RESULT

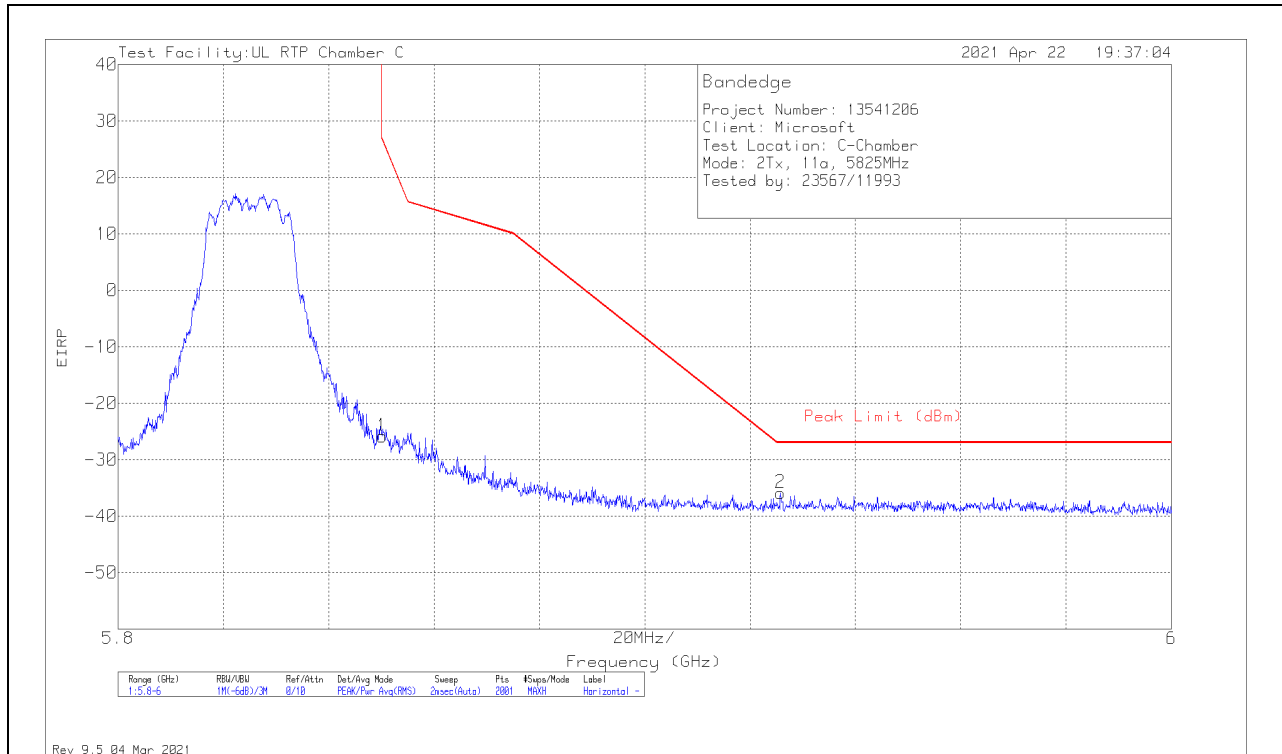


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64873	-70.45	Pk	34.8	-13	11.8	-36.85	-27	-9.85	16	399	V
1	5.72497	-60.19	Pk	34.8	-12.7	11.8	-26.29	26.93	-53.22	16	399	V

Pk - Peak detector

BANEDGE (HIGH CHANNEL)

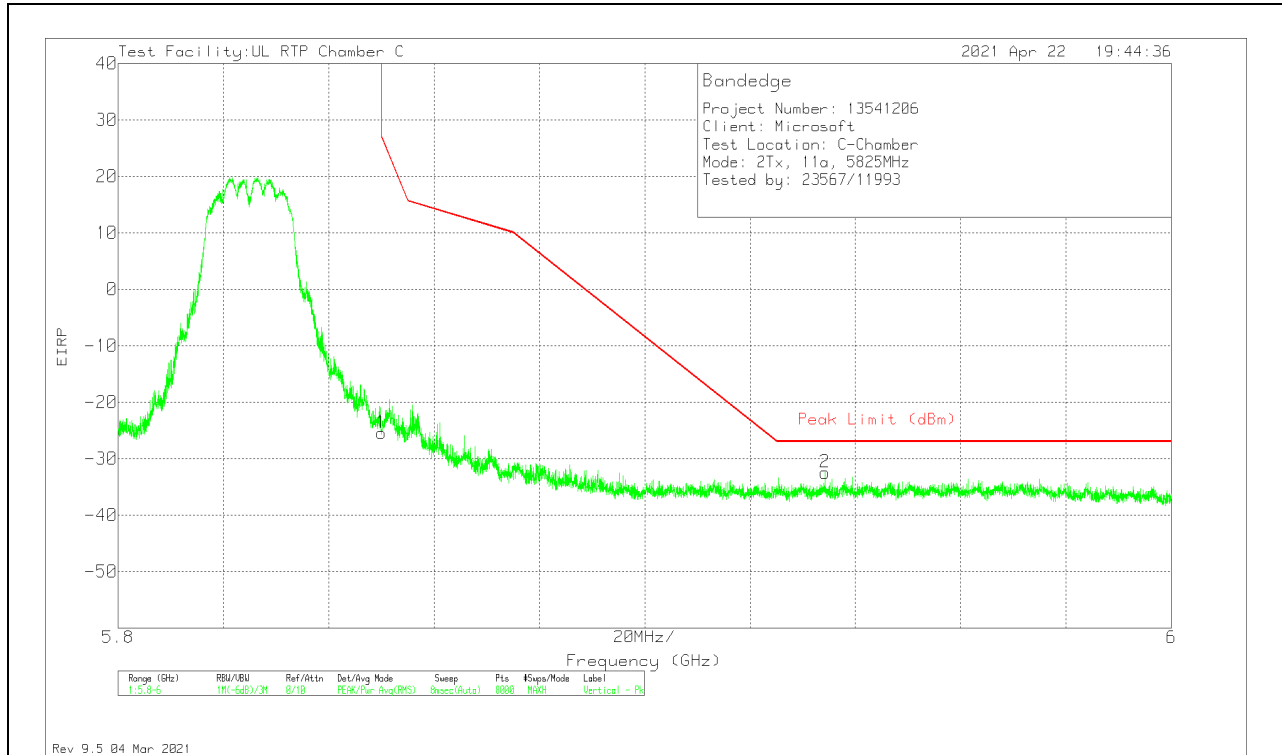
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.8501	-60.85	Pk	35.1	-11.9	11.8	-25.85	26.77	-52.62	17	211	H
2	5.9258	-71.09	Pk	35.3	-11.9	11.8	-35.89	-27	-8.89	17	211	H

Pk - Peak detector

VERTICAL RESULT

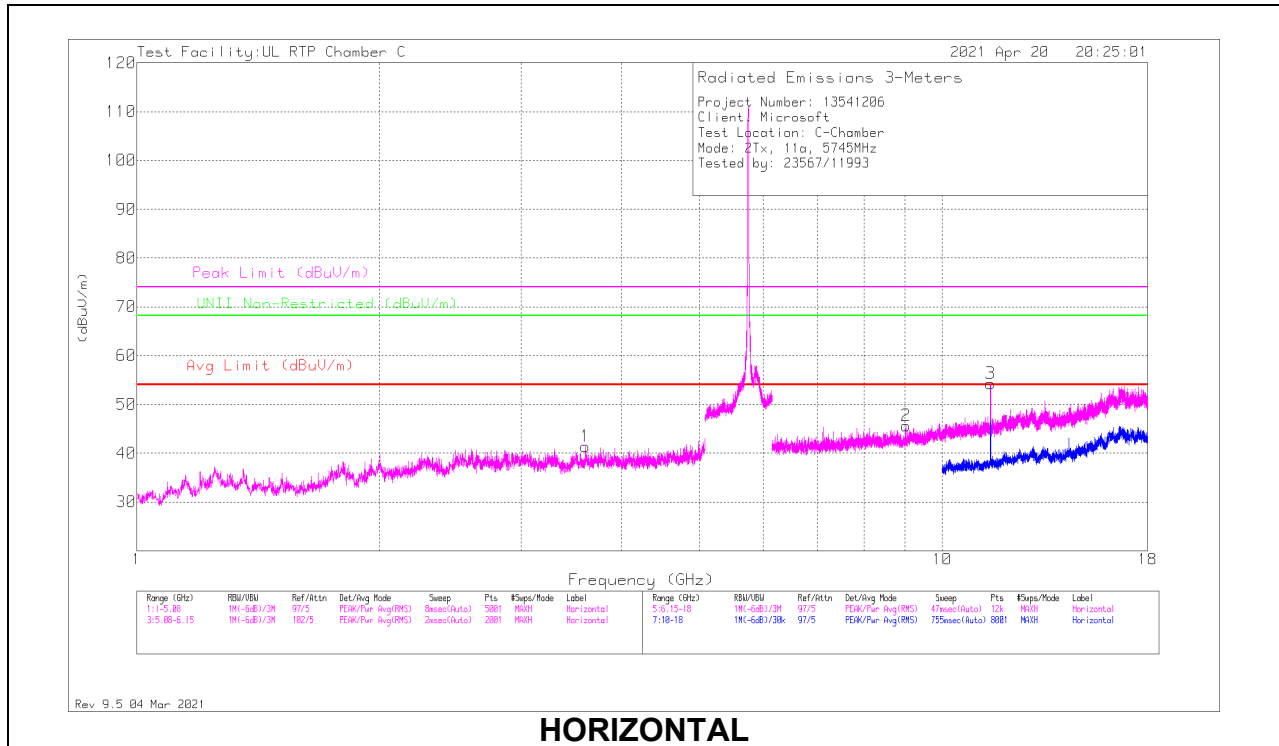


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-60.45	Pk	35.1	-11.9	11.8	-25.45	26.99	-52.44	20	209	V
2	5.93422	-67.66	Pk	35.3	-11.9	11.8	-32.46	-27	-5.46	20	209	V

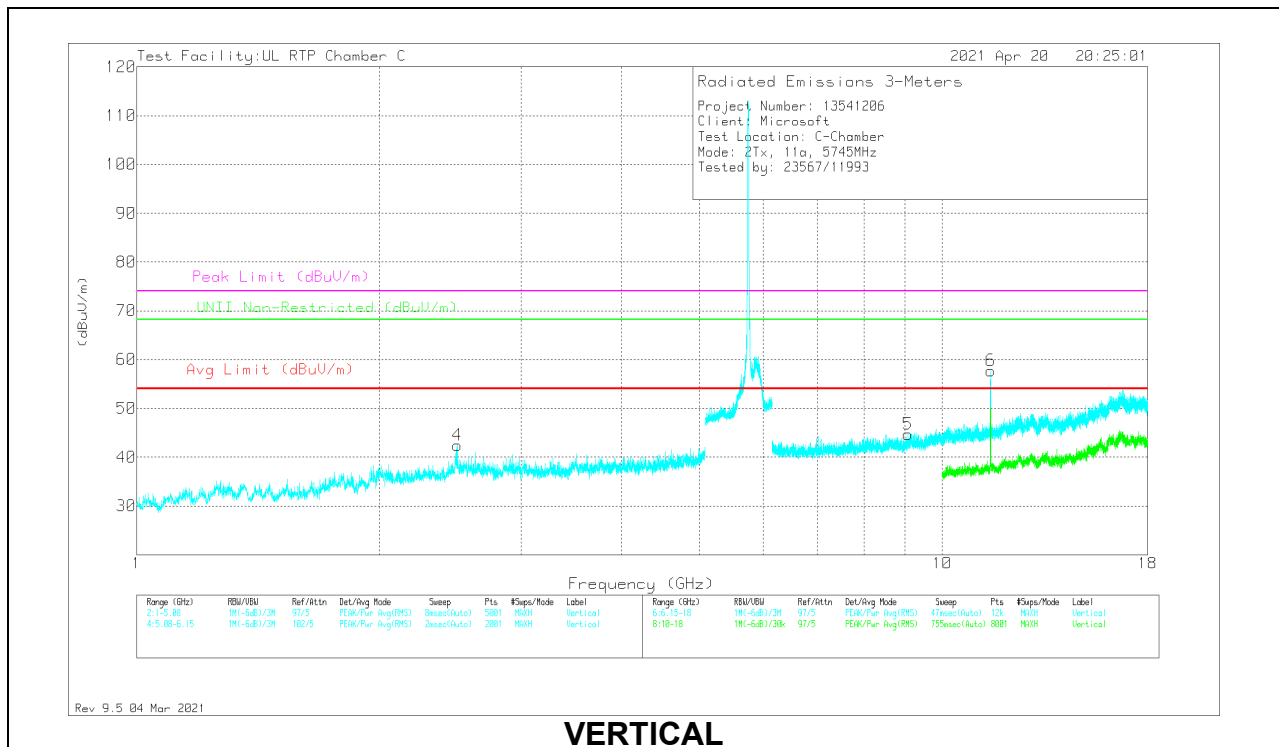
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 3.60875	56.2	Pk	33.2	-48	0	41.4	54	-12.6	74	-32.6	-	-	0-360	101	H
4	*** 2.49981	60.16	Pk	32.7	-50.4	0	42.46	54	-11.54	74	-31.54	-	-	0-360	200	V
2	*** 9.02165	50.85	Pk	36.3	-41.5	0	45.65	54	-8.35	74	-28.35	-	-	0-360	101	H
3	*** 11.4839	58.36	PK-U	38.4	-39.4	0	57.36	-	-	74	-16.64	-	-	261	135	H
	*** 11.48442	44.89	ADV	38.4	-39.4	.19	44.08	54	-9.92	-	-	-	-	261	135	H
5	*** 9.07695	50.69	Pk	36.4	-42.4	0	44.69	54	-9.31	74	-29.31	-	-	0-360	200	V
6	*** 11.49159	63.79	PK-U	38.4	-39.5	0	62.69	-	-	74	-11.31	-	-	162	202	V
	*** 11.49136	50	ADV	38.4	-39.5	.19	49.09	54	-4.91	-	-	-	-	162	202	V

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

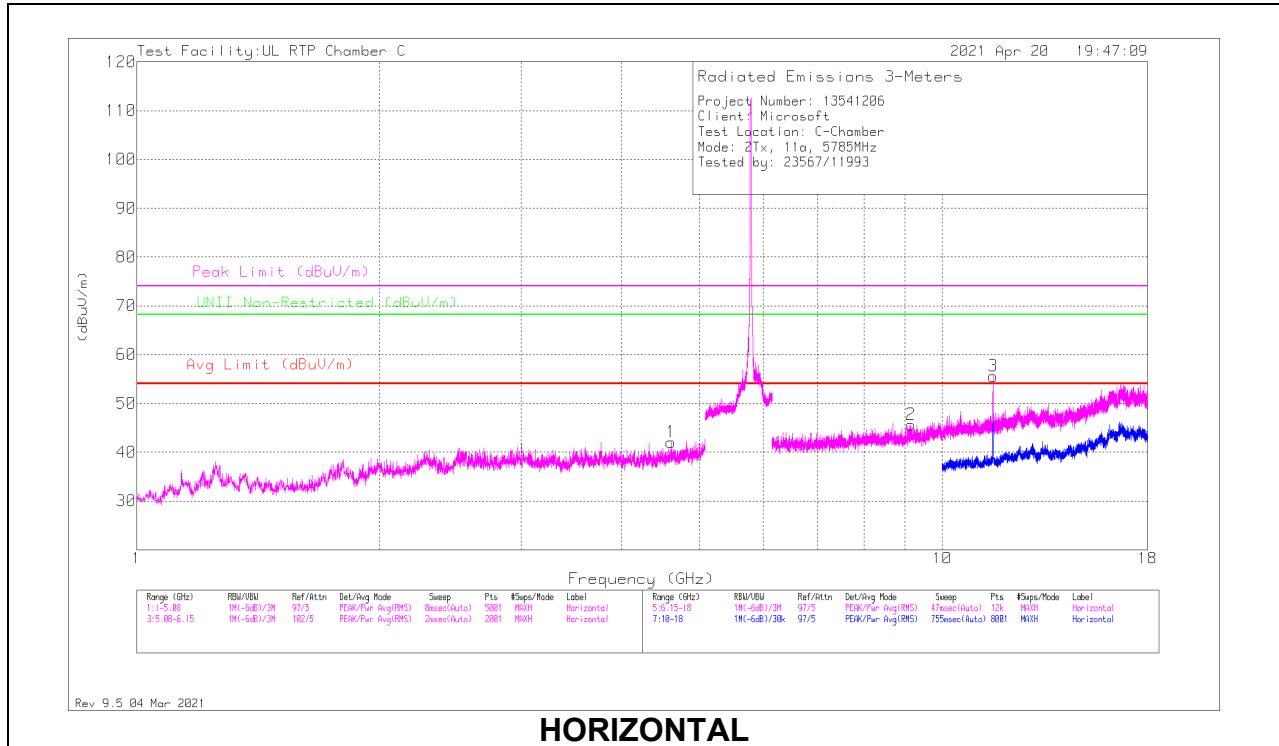
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

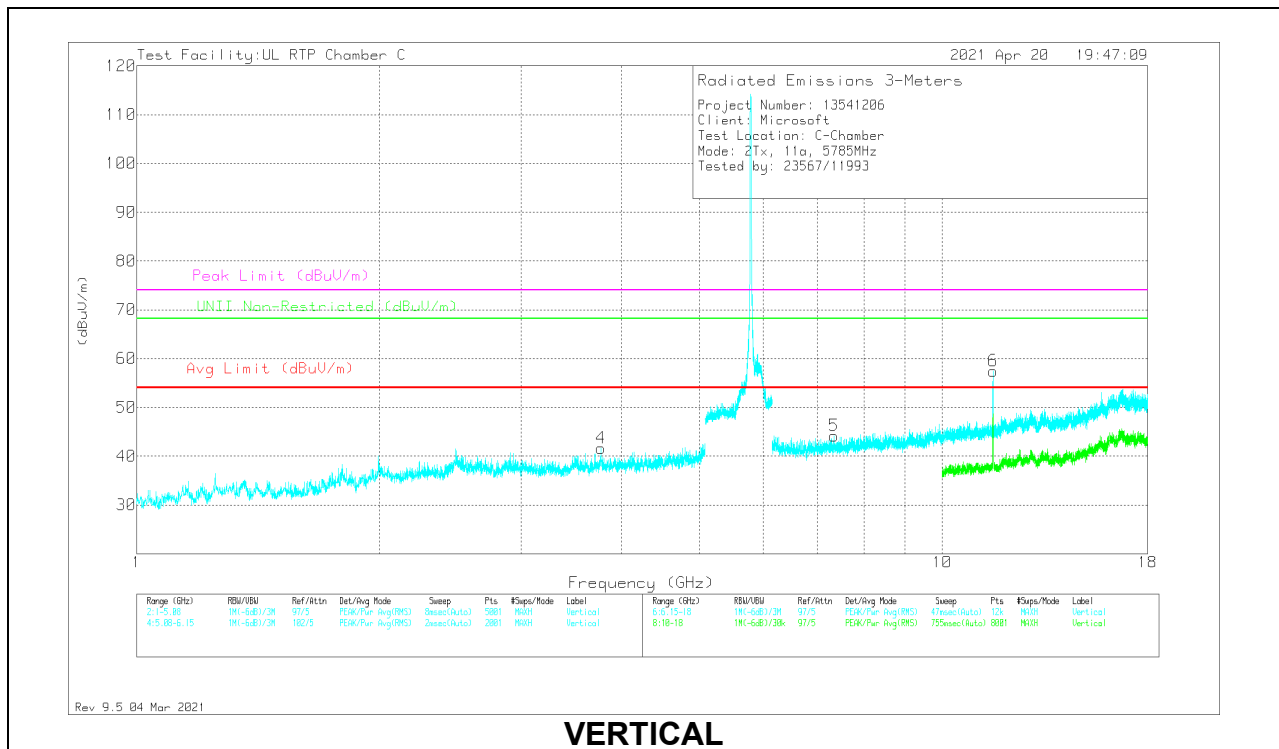
PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* ** 11.57253	60.29	PK-U	38.4	-39.2	0	59.49	-	-	74	-14.51	-	-	168	101	H
	* ** 11.57252	47.23	ADV	38.4	-39.2	.19	46.62	54	-7.38	-	-	-	-	168	101	H
6	* ** 11.57152	61.58	PK-U	38.4	-39.2	0	60.78	-	-	74	-13.22	-	-	163	197	V
	* ** 11.57116	48.32	ADV	38.4	-39.2	.19	47.71	54	-6.29	-	-	-	-	163	197	V
1	* ** 4.60672	53.71	Pk	34.3	-46	0	42.01	54	-11.99	74	-31.99	-	-	0-360	101	H
4	* ** 3.77358	54.97	Pk	33.5	-46.8	0	41.67	54	-12.33	74	-32.33	-	-	0-360	101	V
2	* ** 9.14311	51.39	Pk	36.4	-42.2	0	45.59	54	-8.41	74	-28.41	-	-	0-360	101	H
5	* ** 7.3429	52.21	Pk	35.9	-44	0	44.11	54	-9.89	74	-29.89	-	-	0-360	199	V

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

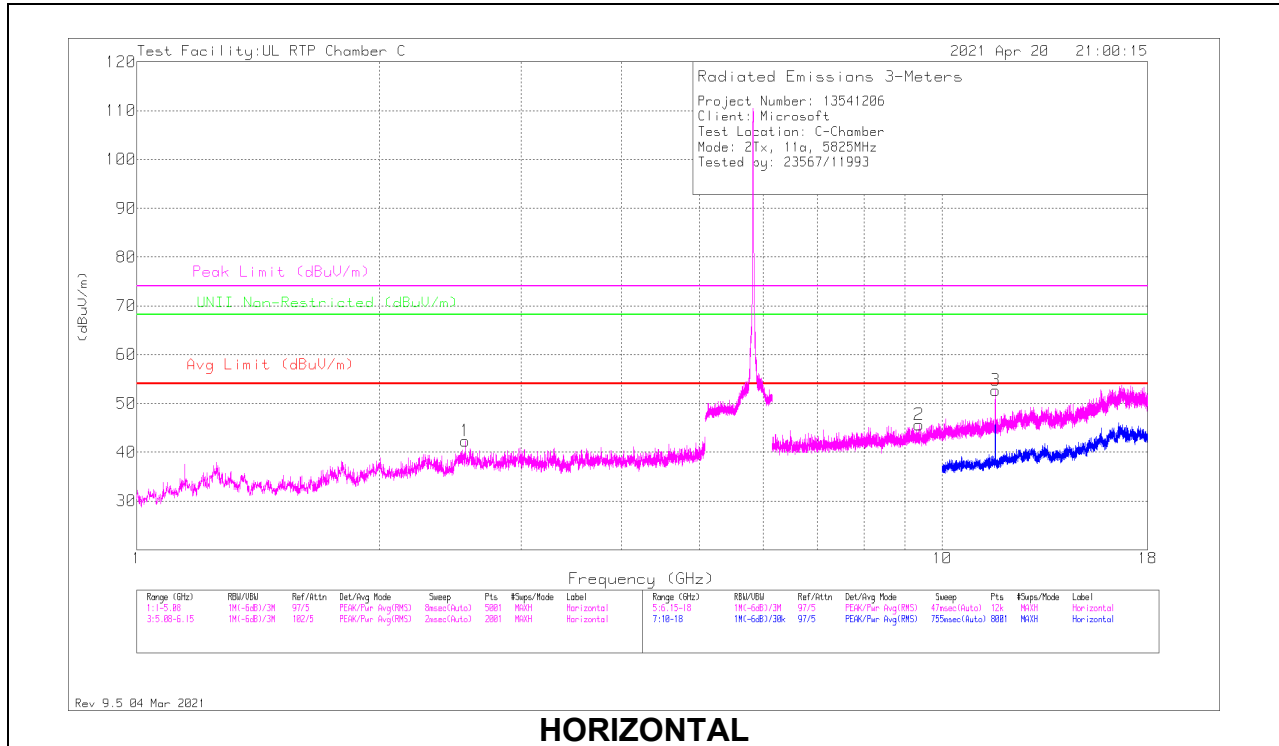
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

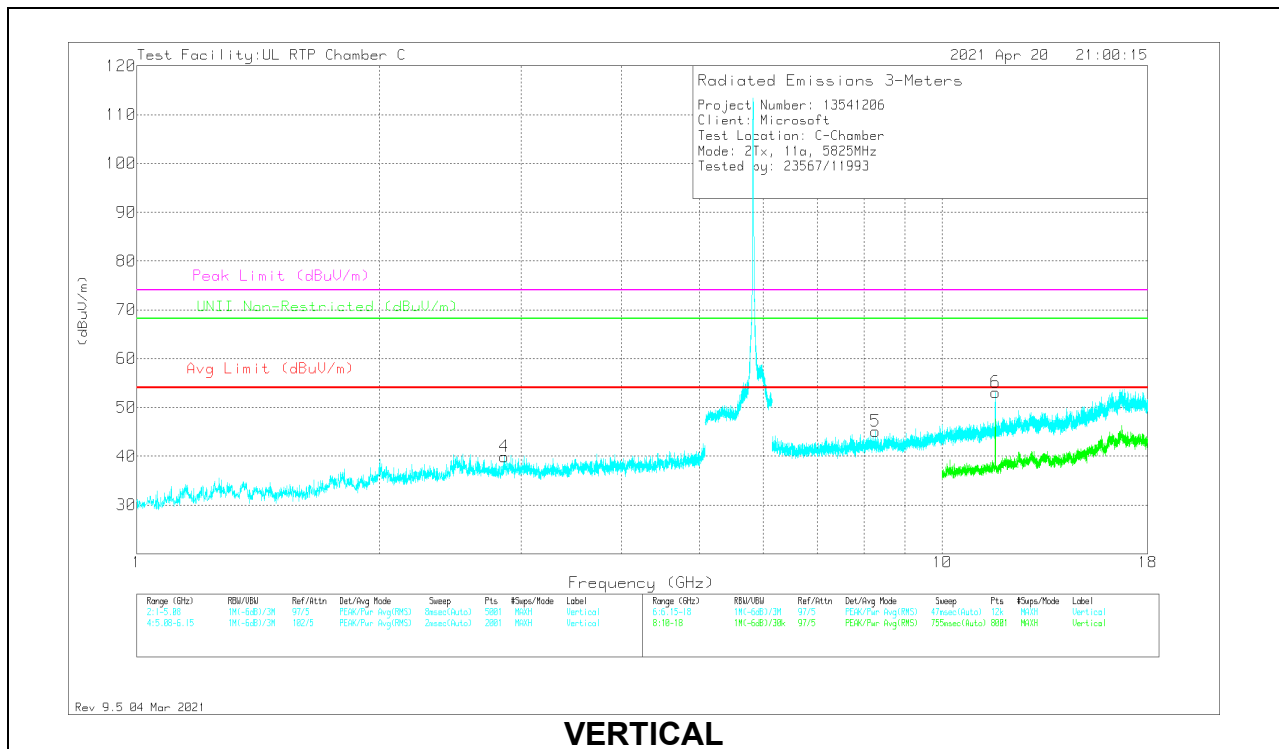
PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 2.55693	60.14	Pk	32.4	-50.3	0	42.24	54	-11.76	74	-31.76	68.2	-25.96	0-360	101	H
4	*** 2.86211	56.83	Pk	32.5	-49.4	0	39.93	54	-14.07	74	-34.07	-	-	0-360	199	V
2	*** 9.36333	50.45	Pk	36.7	-41.5	0	45.65	54	-8.35	74	-28.35	-	-	0-360	200	H
3	*** 11.647	59.04	PK-U	38.6	-39.4	0	58.24	-	-	74	-15.76	-	-	167	102	H
	** 11.64752	46.08	ADV	38.6	-39.4	.19	45.47	54	-8.53	-	-	-	-	167	102	H
5	*** 8.26128	51.31	Pk	36	-42.2	0	45.11	54	-8.89	74	-28.89	-	-	0-360	200	V
6	** 11.65196	59.17	PK-U	38.6	-39.4	0	58.37	-	-	74	-15.63	-	-	159	245	V
	*** 11.6523	46.05	ADV	38.6	-39.4	.19	45.44	54	-8.56	-	-	-	-	159	245	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

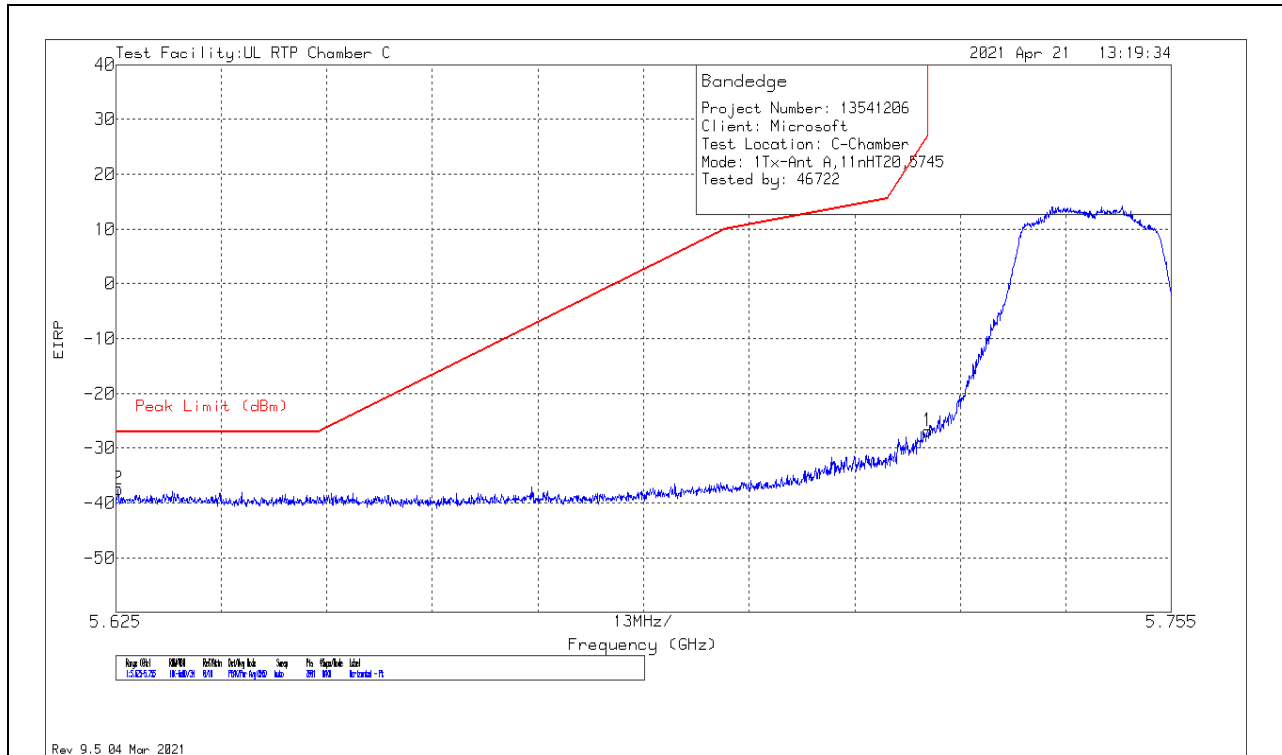
ADV - Linear Voltage Average

10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna A MODE

BANDEDGE (LOW CHANNEL)

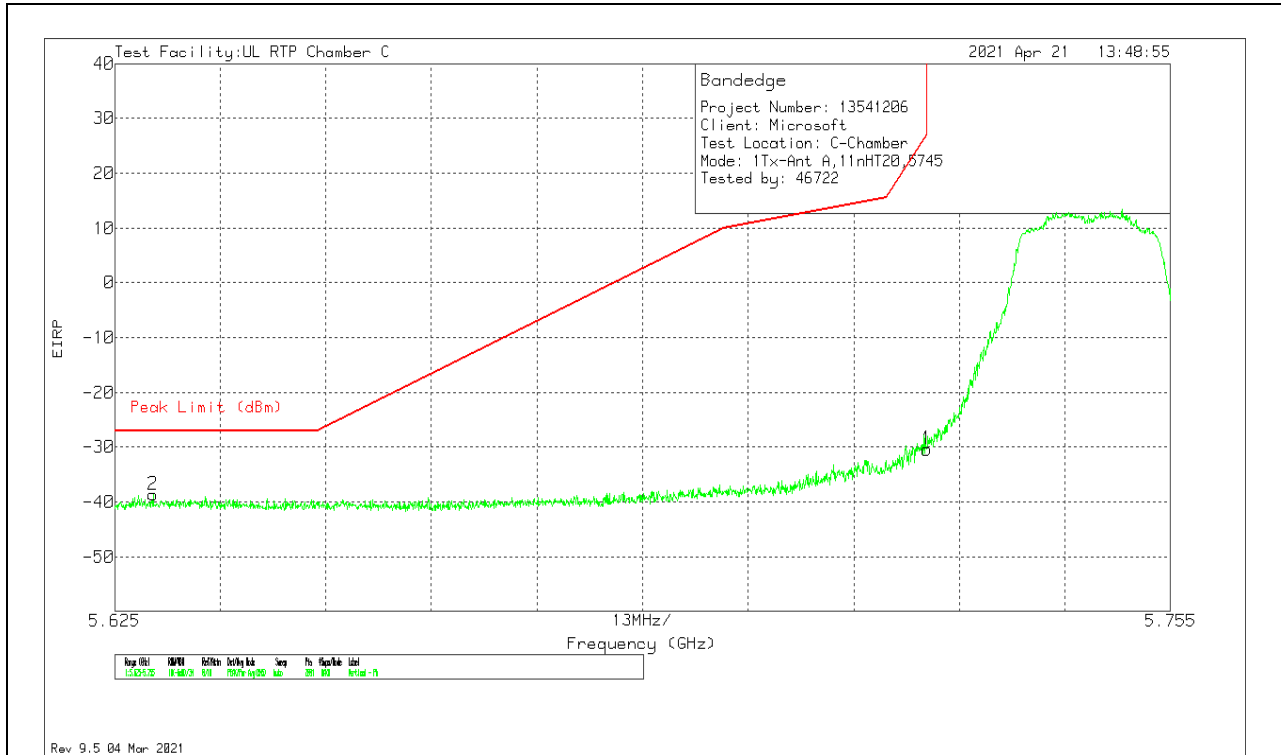
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62533	-71.43	Pk	34.8	-12.6	11.8	-37.43	-27	-10.43	229	240	H
1	5.72497	-60.73	Pk	34.8	-12.7	11.8	-26.83	26.93	-53.76	229	240	H

Pk - Peak detector

VERTICAL RESULT

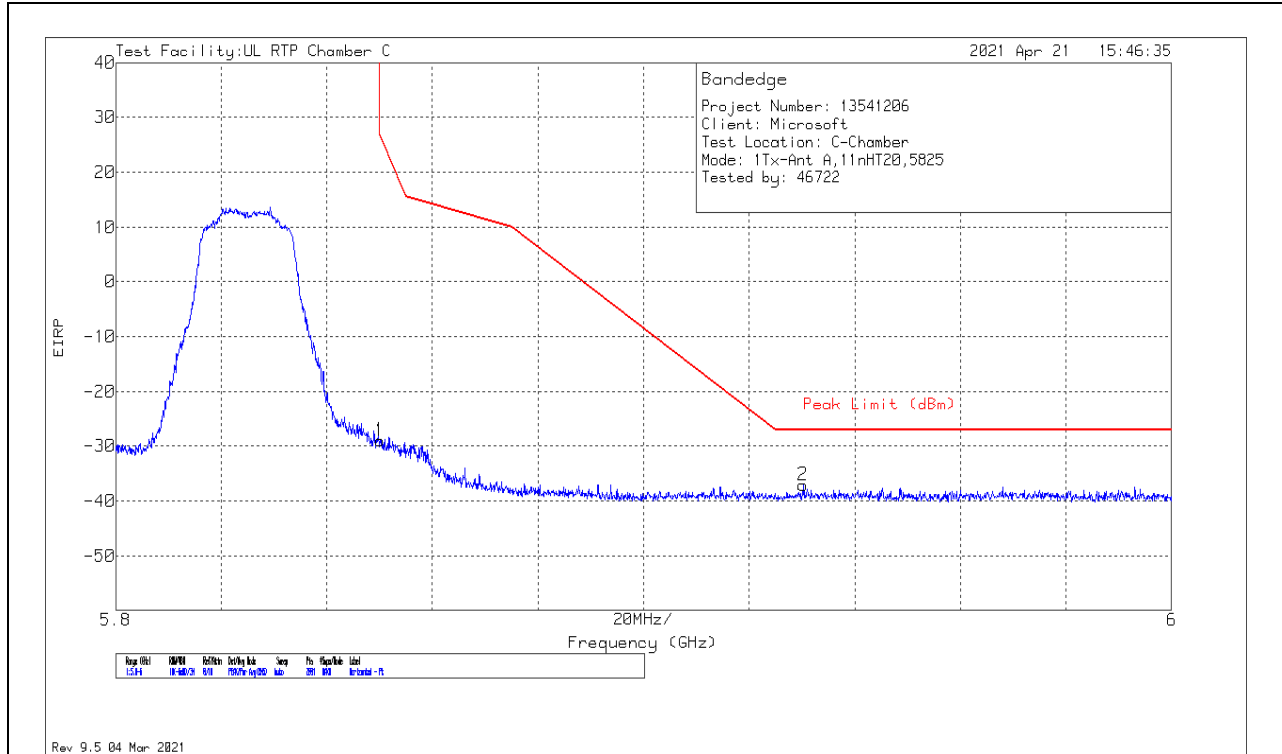


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62975	-72.84	Pk	34.8	-12.4	11.8	-38.64	-27	-11.64	227	322	V
1	5.72497	-64.26	Pk	34.8	-12.7	11.8	-30.36	26.93	-57.29	227	322	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

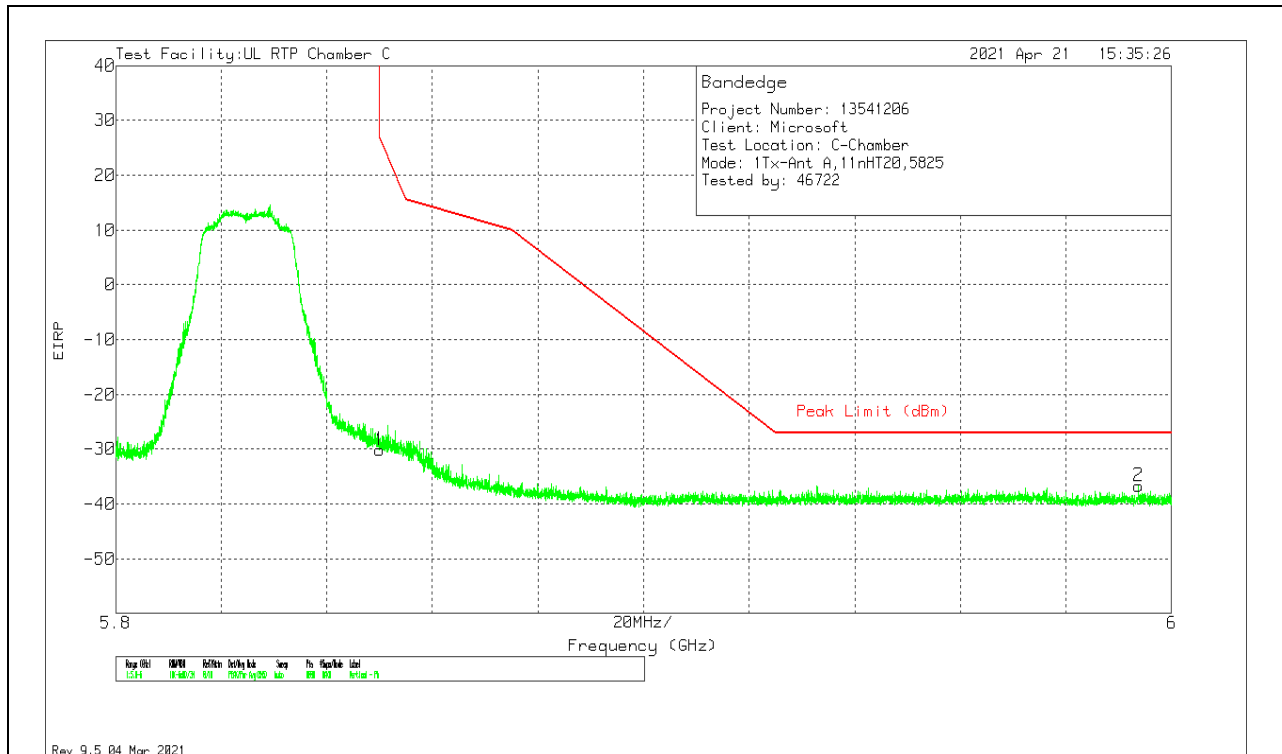
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.8501	-63.97	Pk	35.1	-11.9	11.8	-28.97	26.77	-55.74	222	290	H
2	5.9302	-72.27	Pk	35.3	-11.9	11.8	-37.07	-27	-10.07	222	290	H

Pk - Peak detector

VERTICAL RESULT



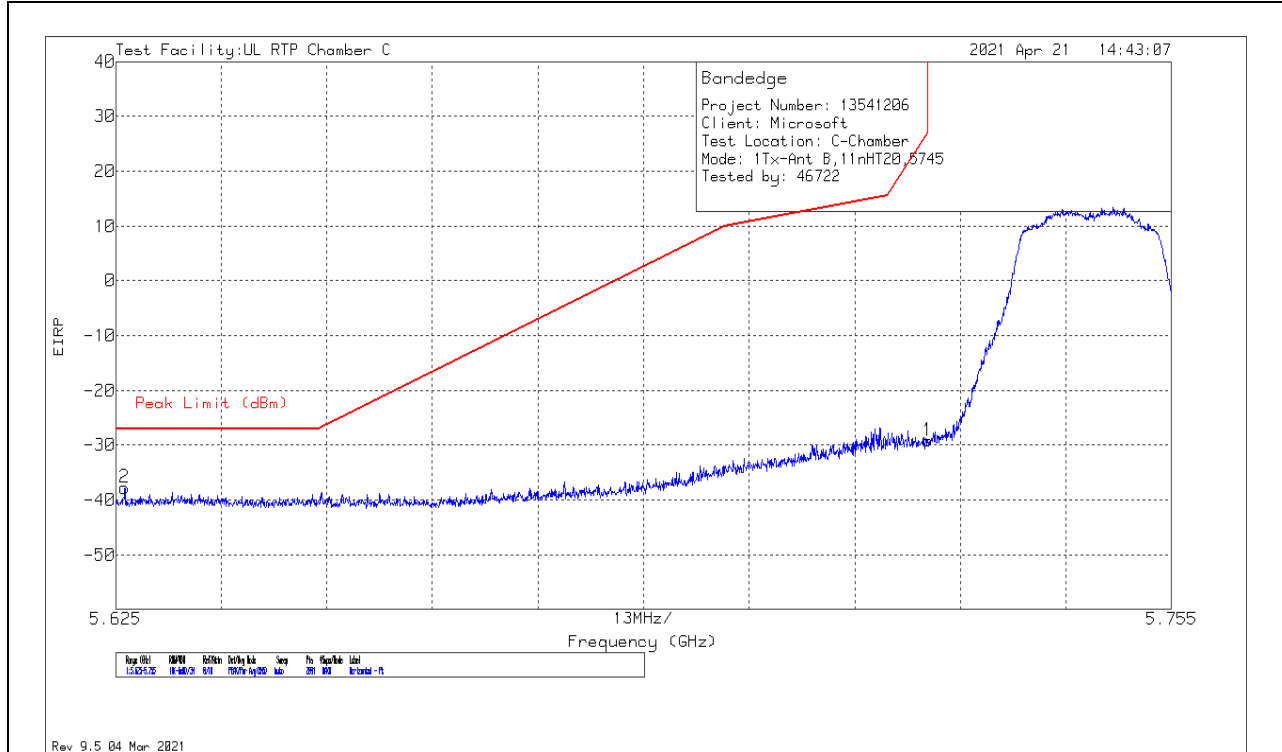
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-65.11	Pk	35.1	-11.9	11.8	-30.11	26.99	-57.1	189	222	V
2	5.9937	-72.17	Pk	35.4	-11.7	11.8	-36.67	-27	-9.67	189	222	V

Pk - Peak detector

1TX Antenna B MODE

BANDEDGE (LOW CHANNEL)

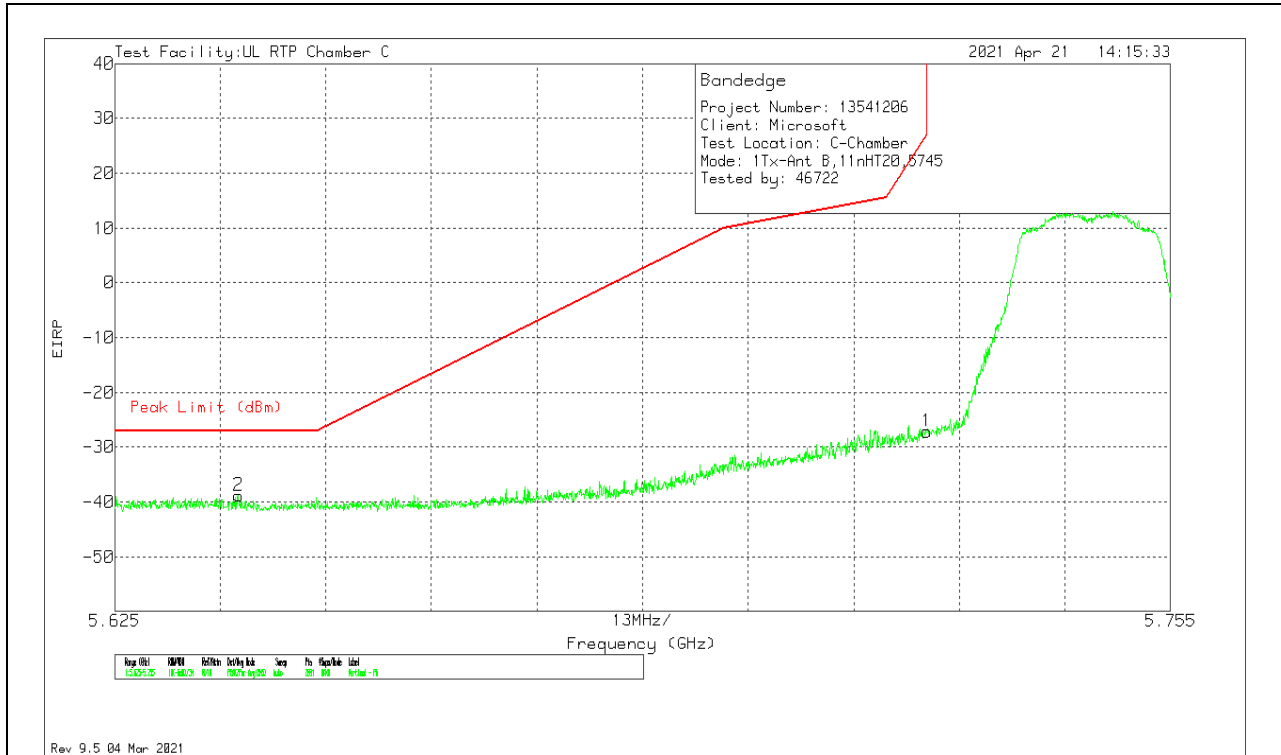
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62611	-71.86	Pk	34.8	-12.5	11.8	-37.76	-27	-10.76	168	305	H
1	5.72497	-63.06	Pk	34.8	-12.7	11.8	-29.16	26.93	-56.09	168	305	H

Pk - Peak detector

VERTICAL RESULT

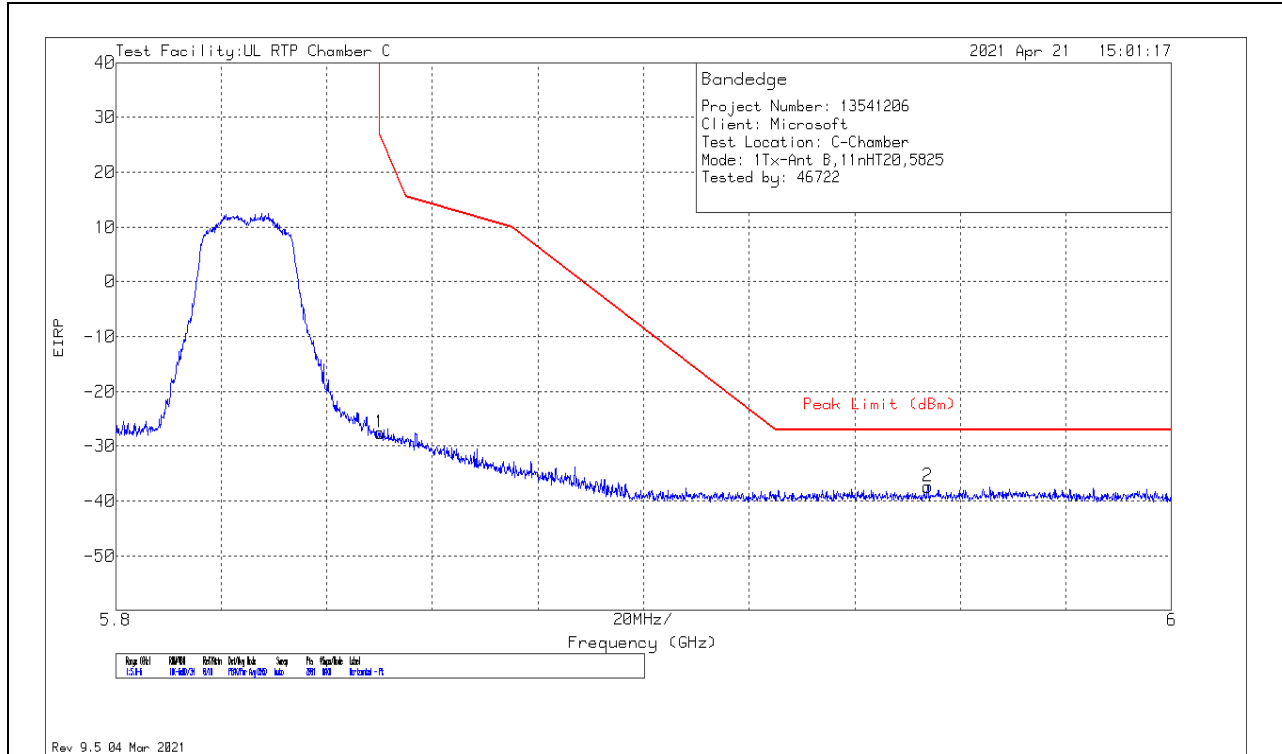


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64028	-72.64	Pk	34.8	-12.8	11.8	-38.84	-27	-11.84	217	244	V
1	5.72497	-61.03	Pk	34.8	-12.7	11.8	-27.13	26.93	-54.06	217	244	V

Pk - Peak detector

BANDEGE (HIGH CHANNEL)

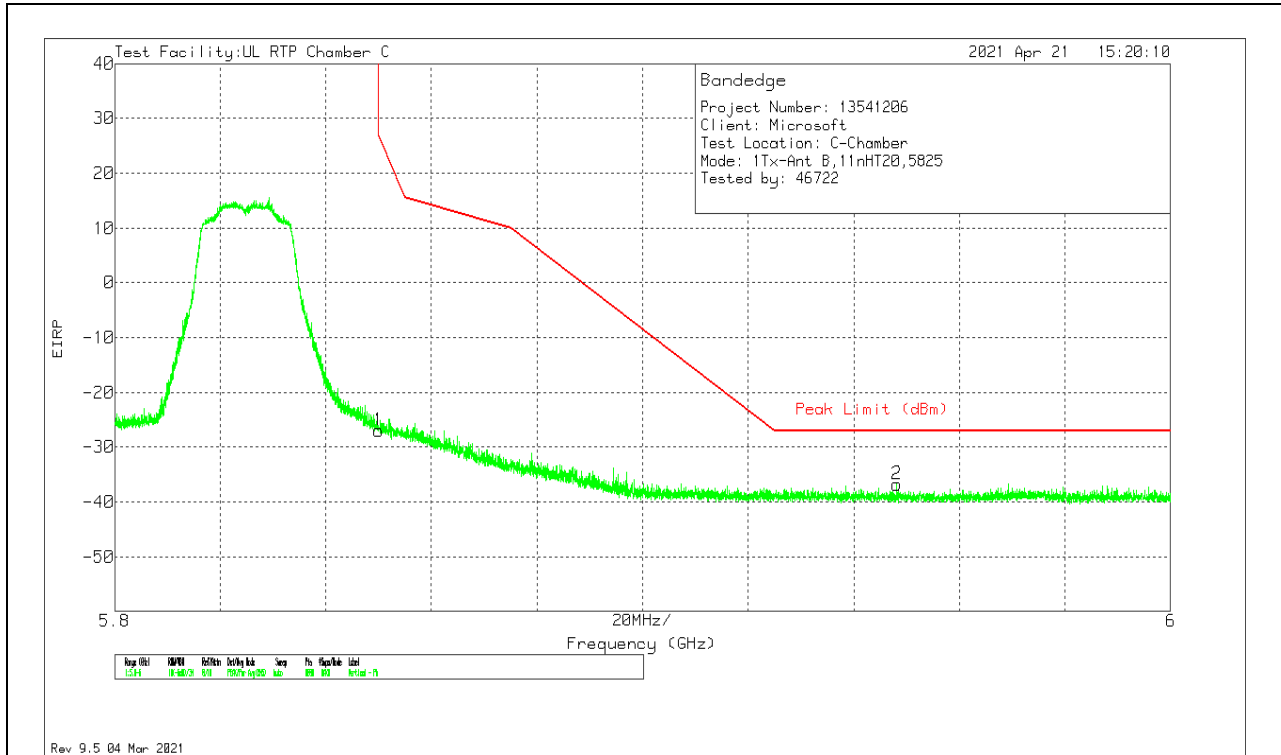
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.8501	-62.52	Pk	35.1	-11.9	11.8	-27.52	26.77	-54.29	174	290	H
2	5.9538	-72.43	Pk	35.4	-12.1	11.8	-37.33	-27	-10.33	174	290	H

Pk - Peak detector

VERTICAL RESULT



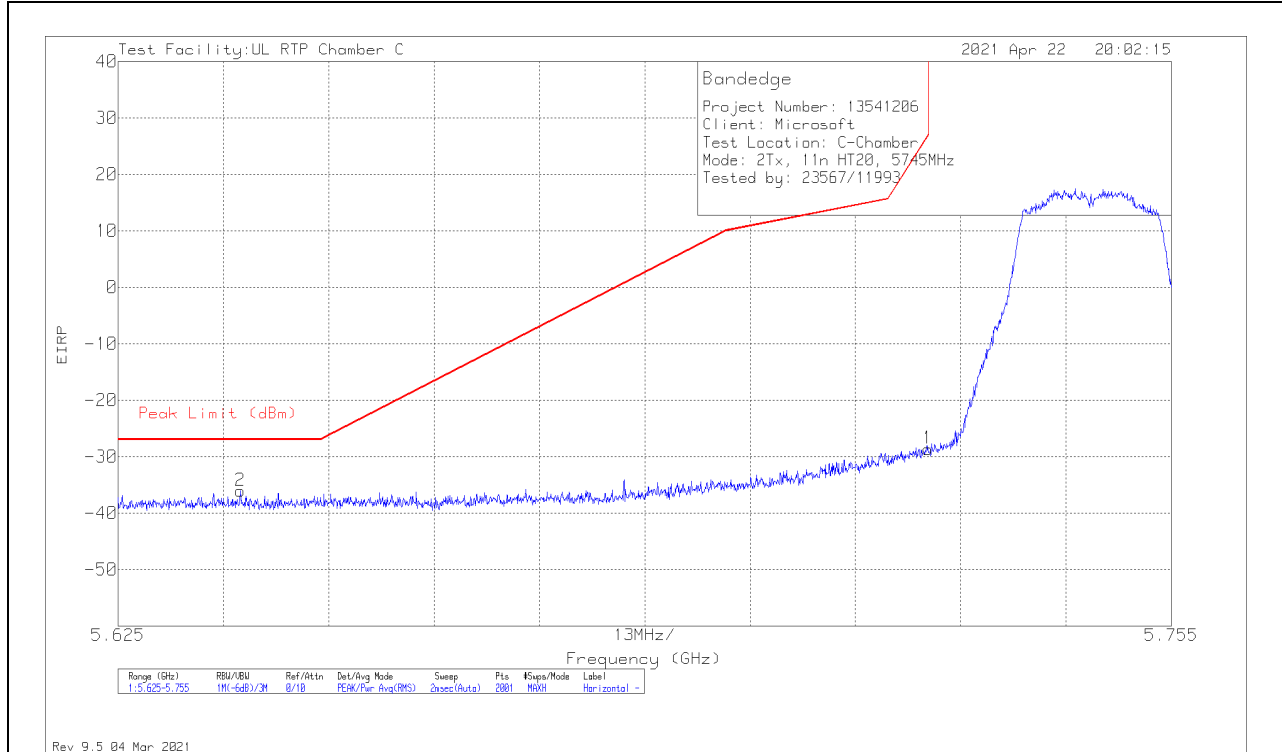
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-61.96	Pk	35.1	-11.9	11.8	-26.96	26.99	-53.95	209	399	V
2	5.94814	-71.86	Pk	35.3	-12	11.8	-36.76	-27	-9.76	209	399	V

Pk - Peak detector

2TX Antenna A + Antenna B CDD MODE

BANDEDGE (LOW CHANNEL)

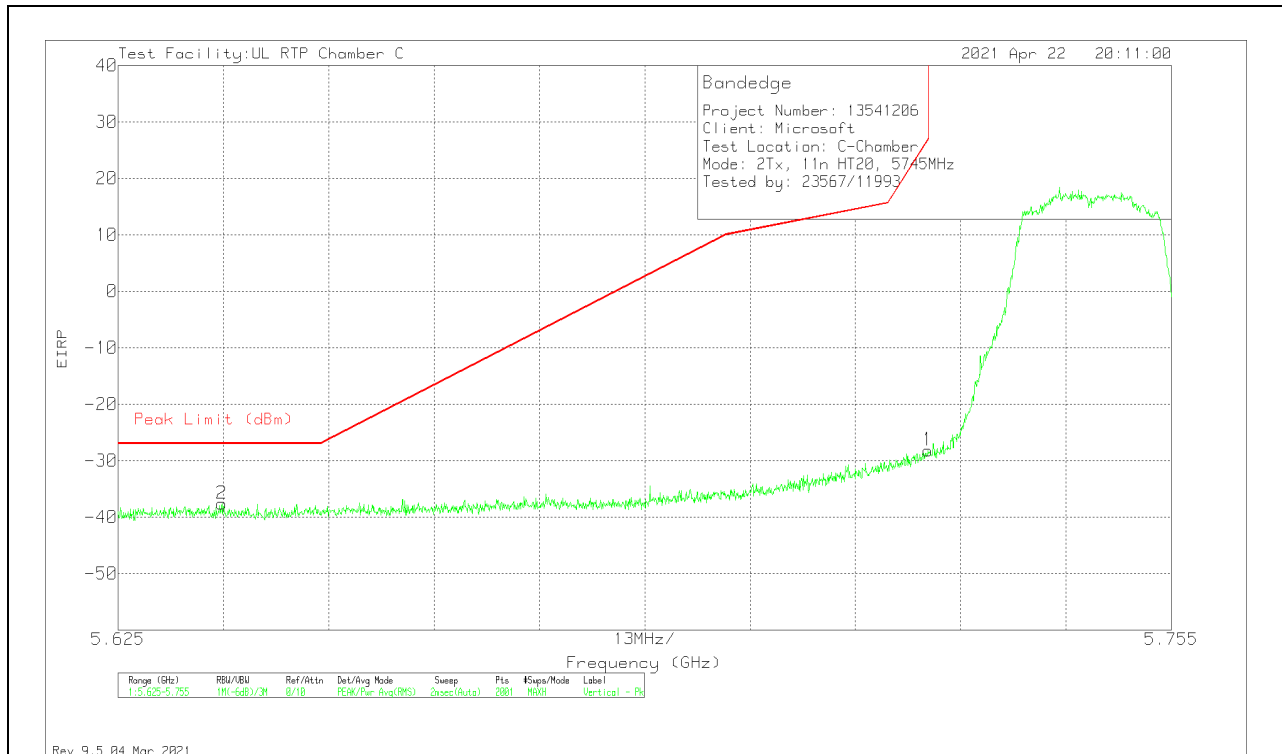
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64008	-69.86	Pk	34.8	-12.8	11.8	-36.06	-27	-9.06	21	299	H
1	5.72497	-62.53	Pk	34.8	-12.7	11.8	-28.63	26.93	-55.56	21	299	H

Pk - Peak detector

VERTICAL RESULT

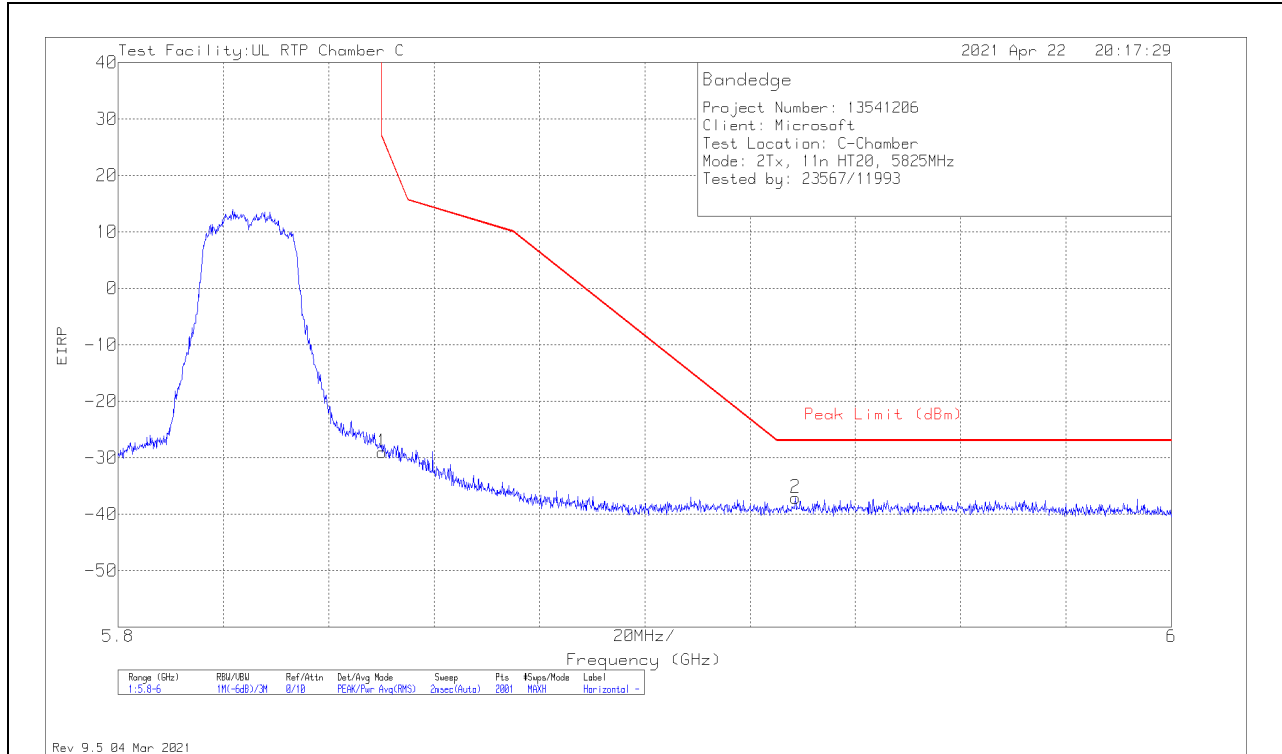


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63781	-71.54	Pk	34.8	-12.7	11.8	-37.64	-27	-10.64	21	399	V
1	5.72497	-62.08	Pk	34.8	-12.7	11.8	-28.18	26.93	-55.11	21	399	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

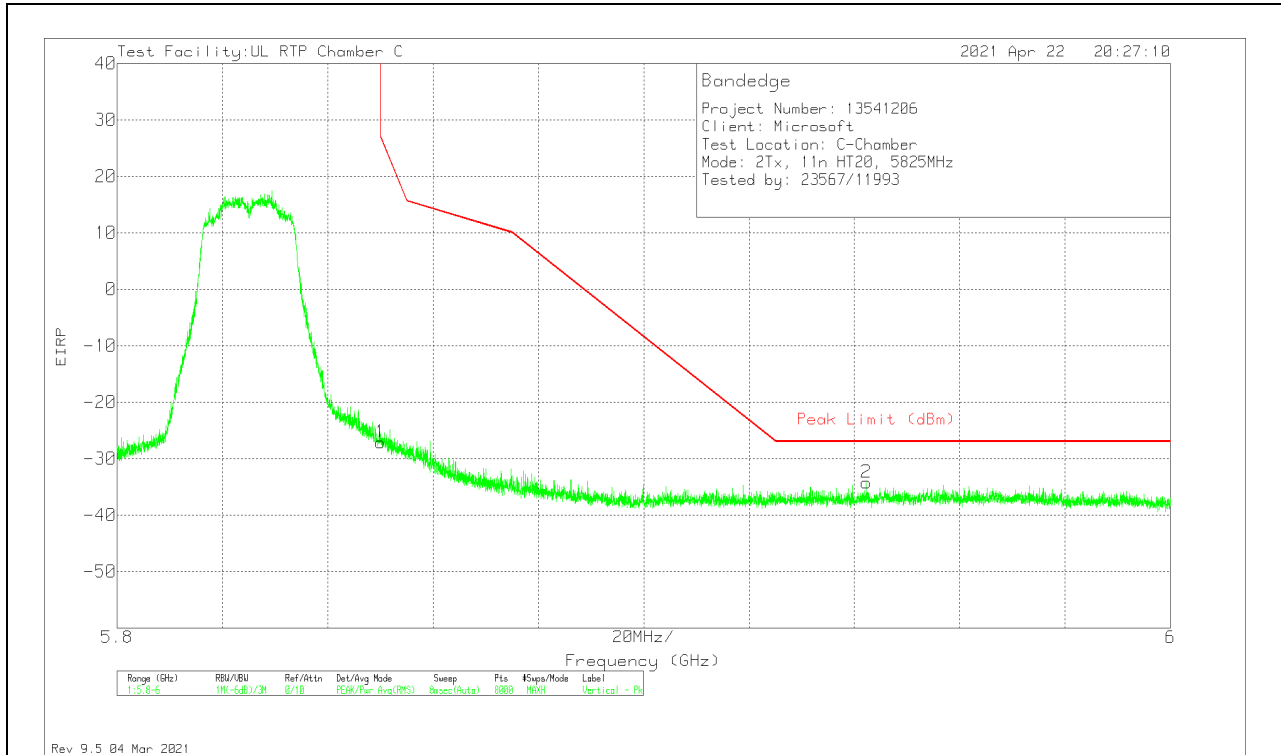
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.8501	-64	Pk	35.1	-11.9	11.8	-29	26.77	-55.77	353	234	H
2	5.9286	-72.29	Pk	35.3	-11.9	11.8	-37.09	-27	-10.09	353	234	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-62.13	Pk	35.1	-11.9	11.8	-27.13	26.99	-54.12	24	303	V
2	5.94227	-69.45	Pk	35.3	-11.9	11.8	-34.25	-27	-7.25	24	303	V

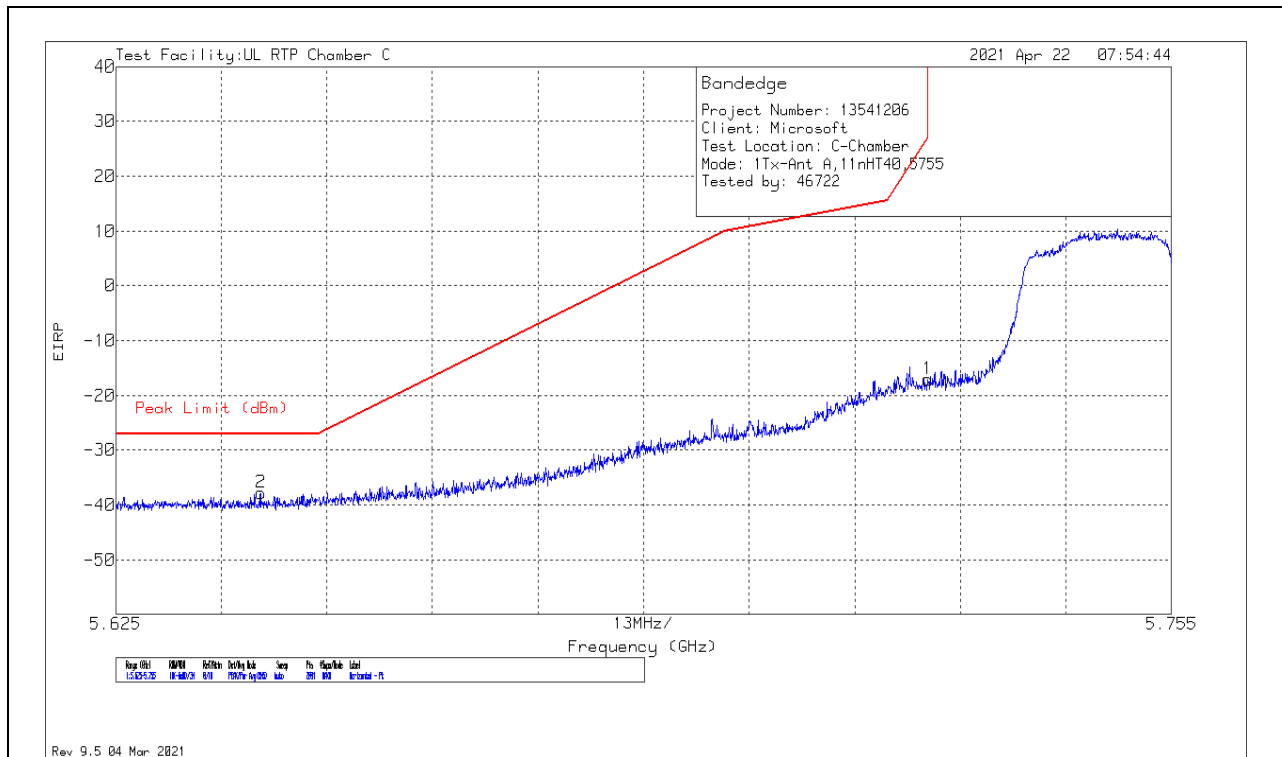
Pk - Peak detector

10.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna A MODE

BANDEDGE (LOW CHANNEL)

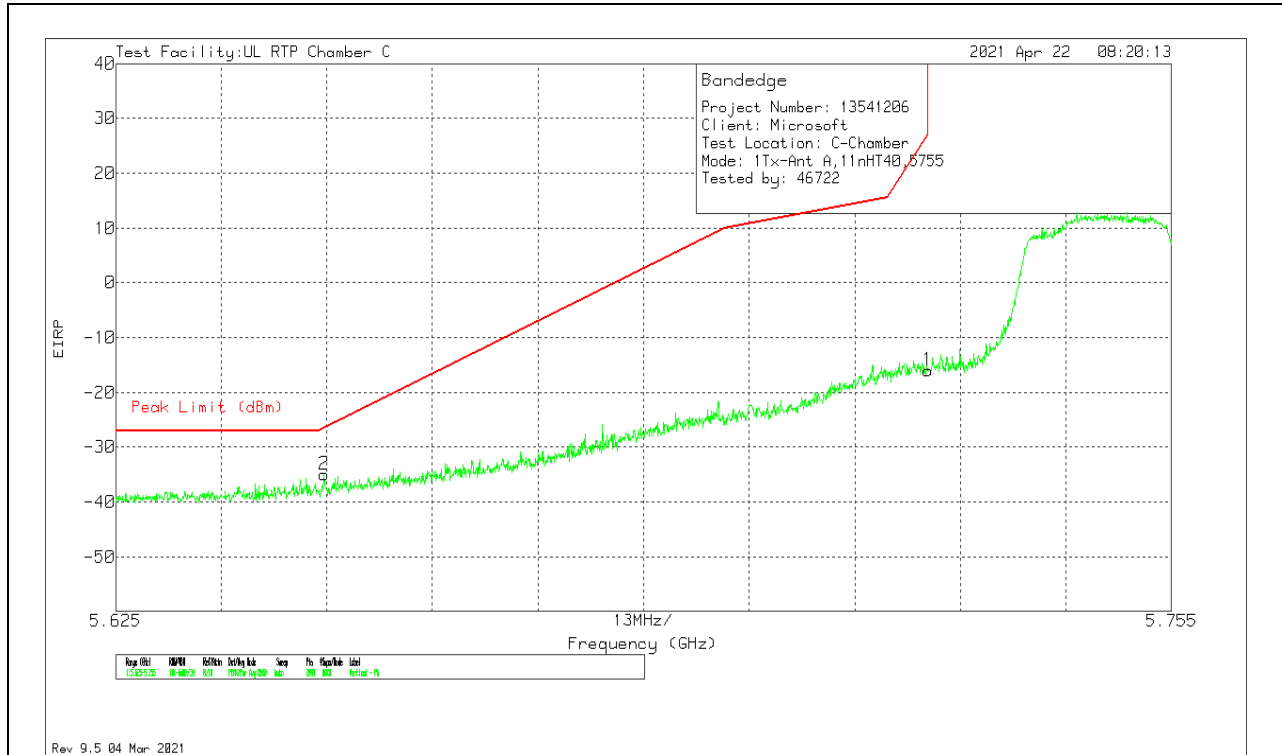
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64288	-71.39	Pk	34.8	-13	11.8	-37.79	-27	-10.79	202	107	H
1	5.72497	-50.98	Pk	34.8	-12.7	11.8	-17.08	26.93	-44.01	202	107	H

Pk - Peak detector

VERTICAL RESULT

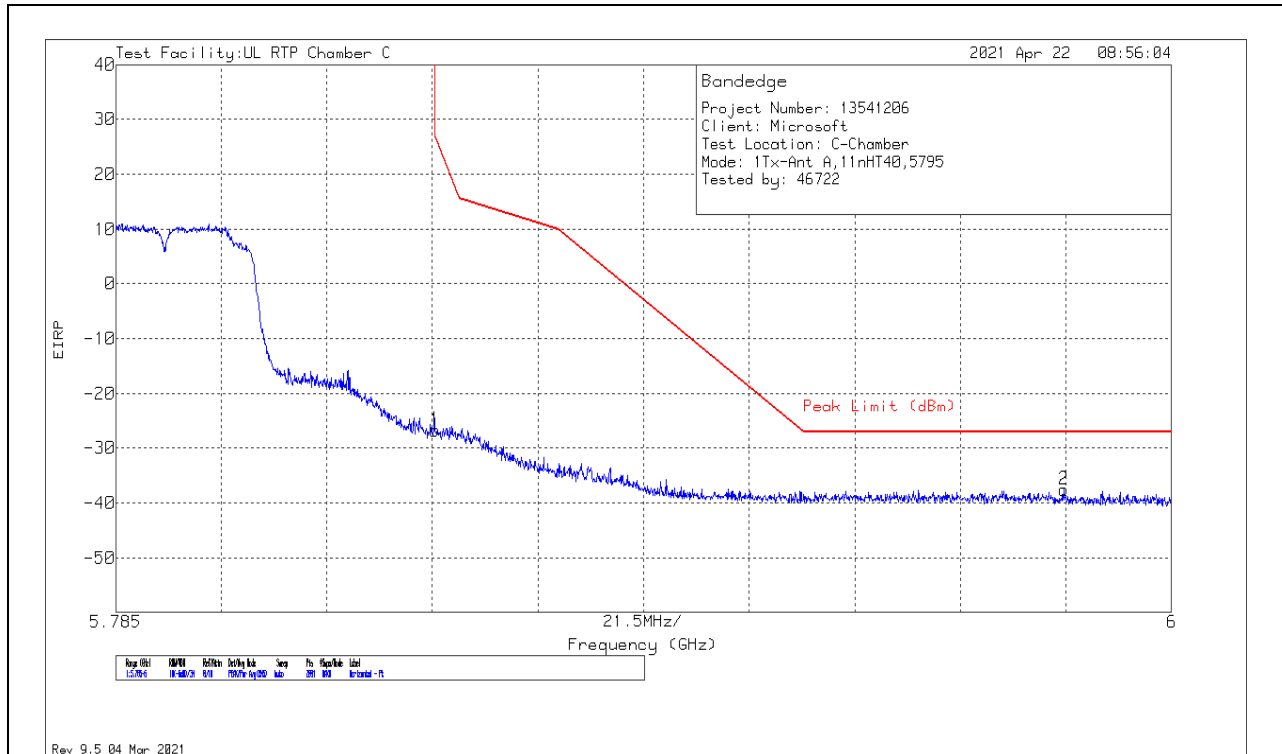


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.65068	-68.54	Pk	34.8	-13	11.8	-34.94	-26.5	-8.44	190	101	V
1	5.72497	-49.86	Pk	34.8	-12.7	11.8	-15.96	26.93	-42.89	190	101	V

Pk - Peak detector

BANDEGE (HIGH CHANNEL)

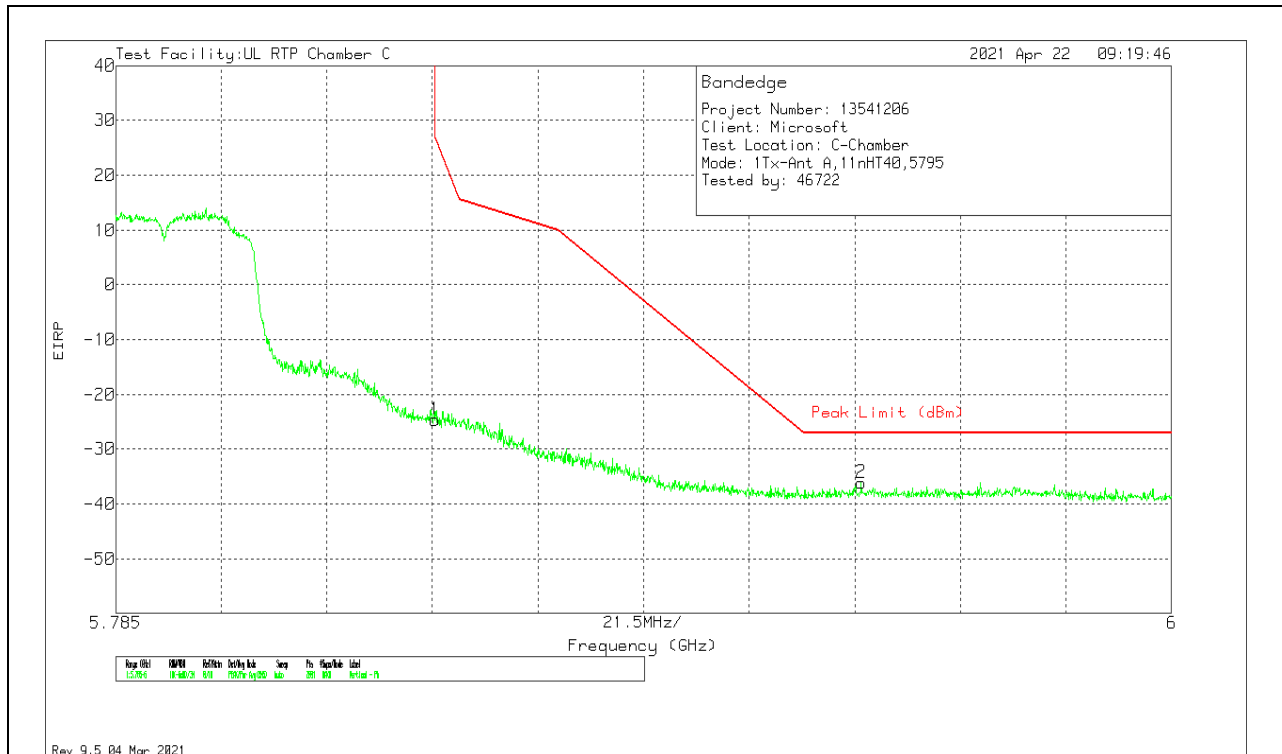
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85004	-61.7	Pk	35.1	-11.9	11.8	-26.7	26.91	-53.61	182	101	H
2	5.97807	-72.75	Pk	35.4	-12	11.8	-37.55	-27	-10.55	182	101	H

Pk - Peak detector

VERTICAL RESULT



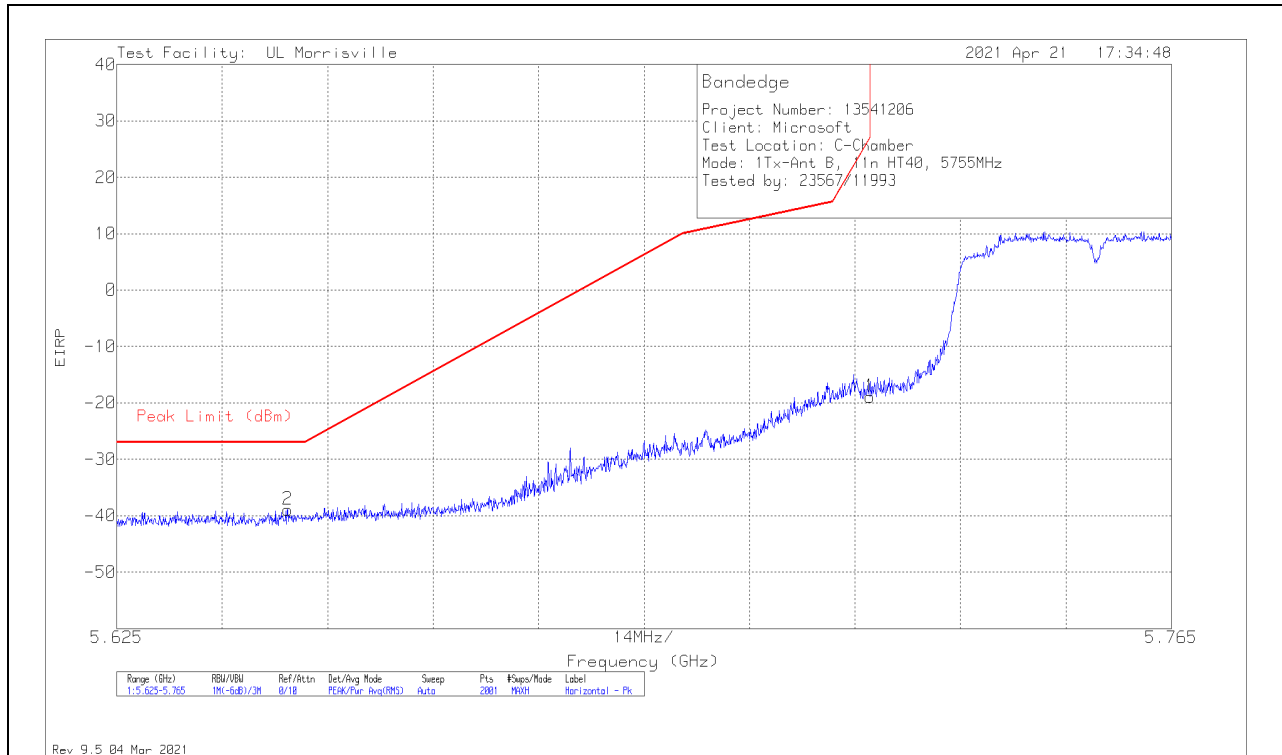
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85004	-59.63	Pk	35.1	-11.9	11.8	-24.63	26.91	-51.54	191	105	V
2	5.93679	-71.33	Pk	35.3	-11.9	11.8	-36.13	-27	-9.13	191	105	V

Pk - Peak detector

1TX Antenna B MODE

BANDEDGE (LOW CHANNEL)

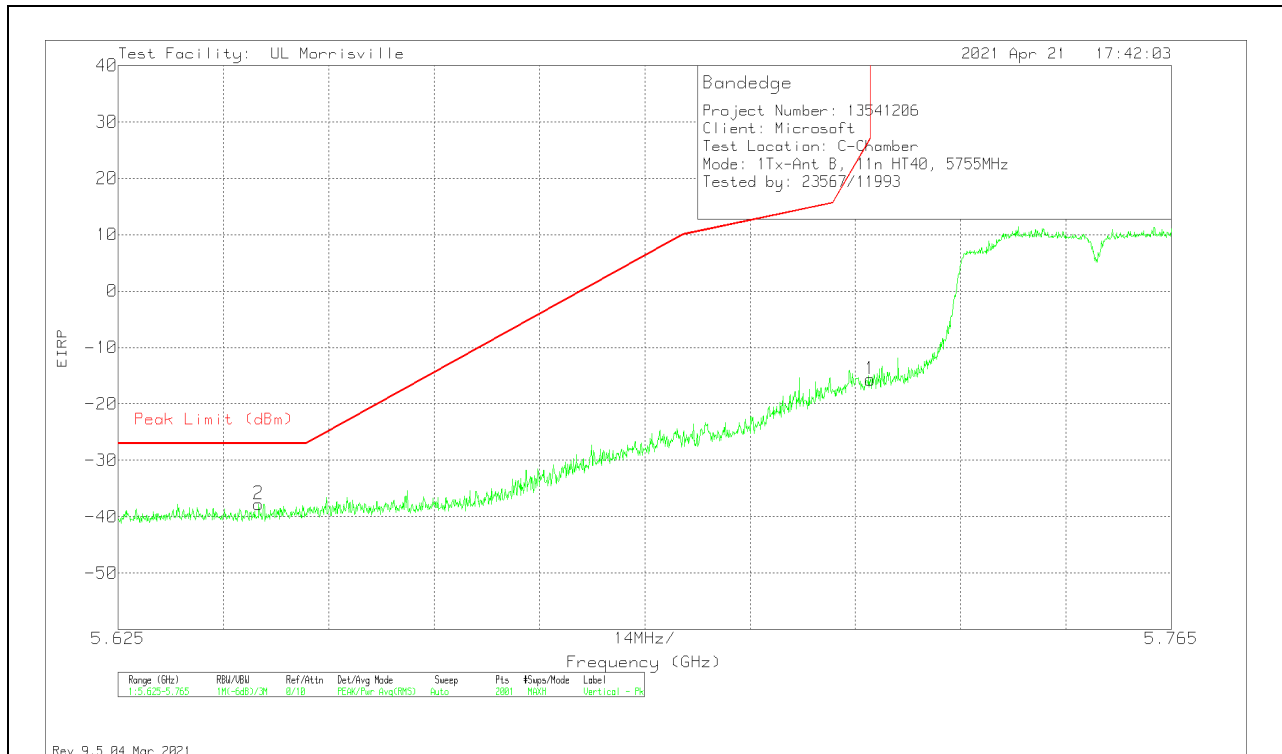
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64768	-72.5	Pk	34.8	-13	11.8	-38.9	-27	-11.9	218	162	H
1	5.72496	-52.77	Pk	34.8	-12.7	11.8	-18.87	26.91	-45.78	218	162	H

Pk - Peak detector

VERTICAL RESULT

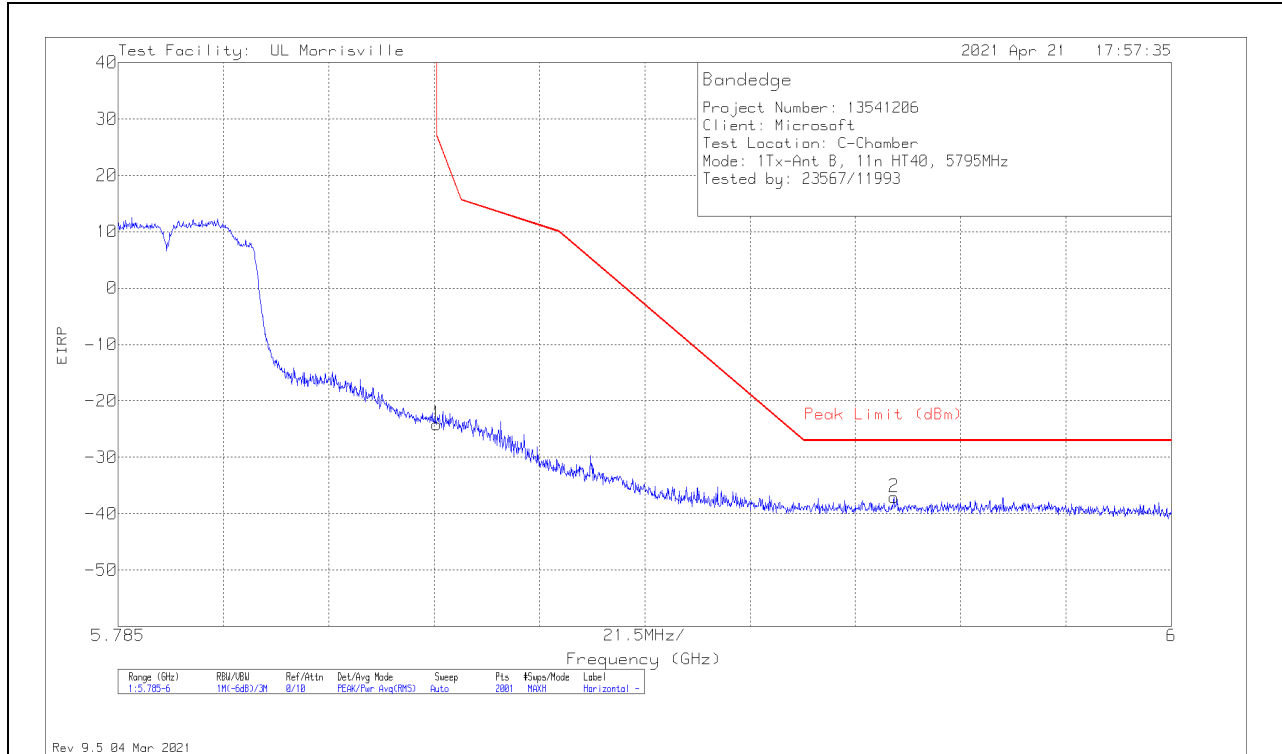


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.64369	-71.38	Pk	34.8	-13	11.8	-37.78	-27	-10.78	232	195	V
1	5.72496	-49.55	Pk	34.8	-12.7	11.8	-15.65	26.91	-42.56	232	195	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

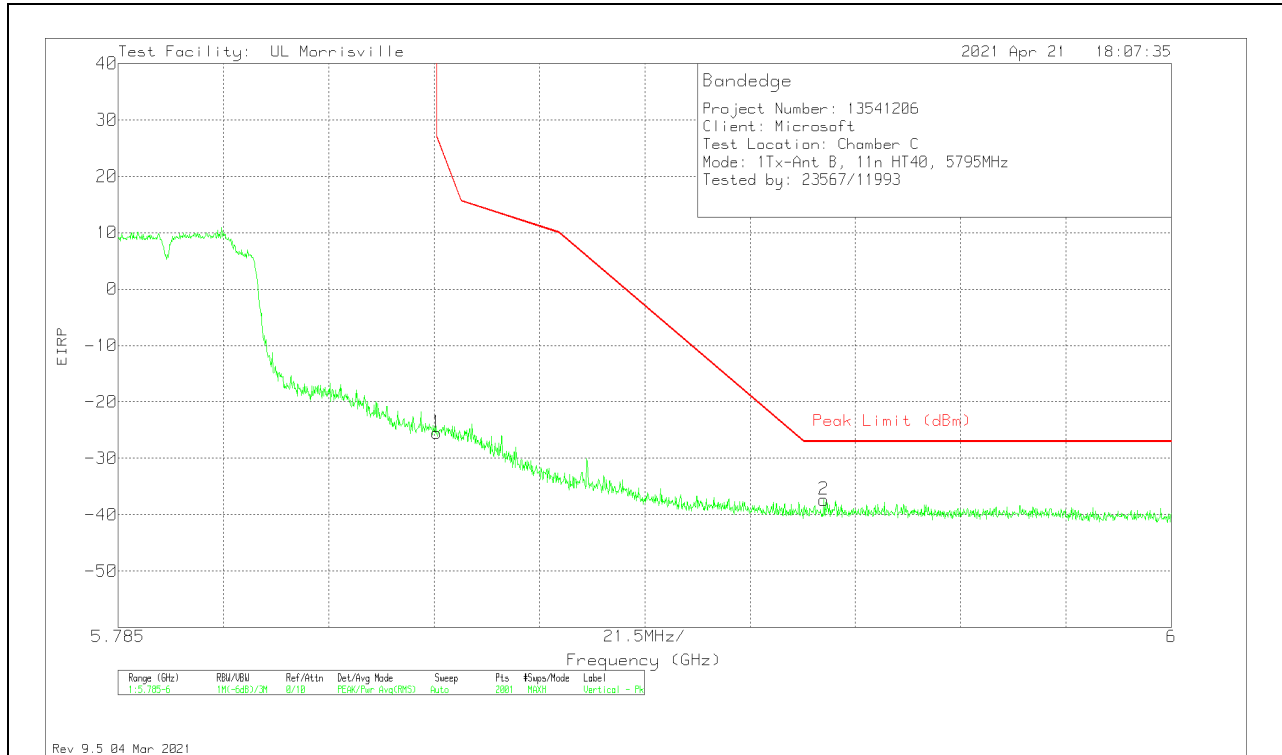
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85004	-59.15	Pk	35.1	-11.9	11.8	-24.15	26.91	-51.06	210	177	H
2	5.94335	-72.24	Pk	35.3	-11.9	11.8	-37.04	-27	-10.04	210	177	H

Pk - Peak detector

VERTICAL RESULT



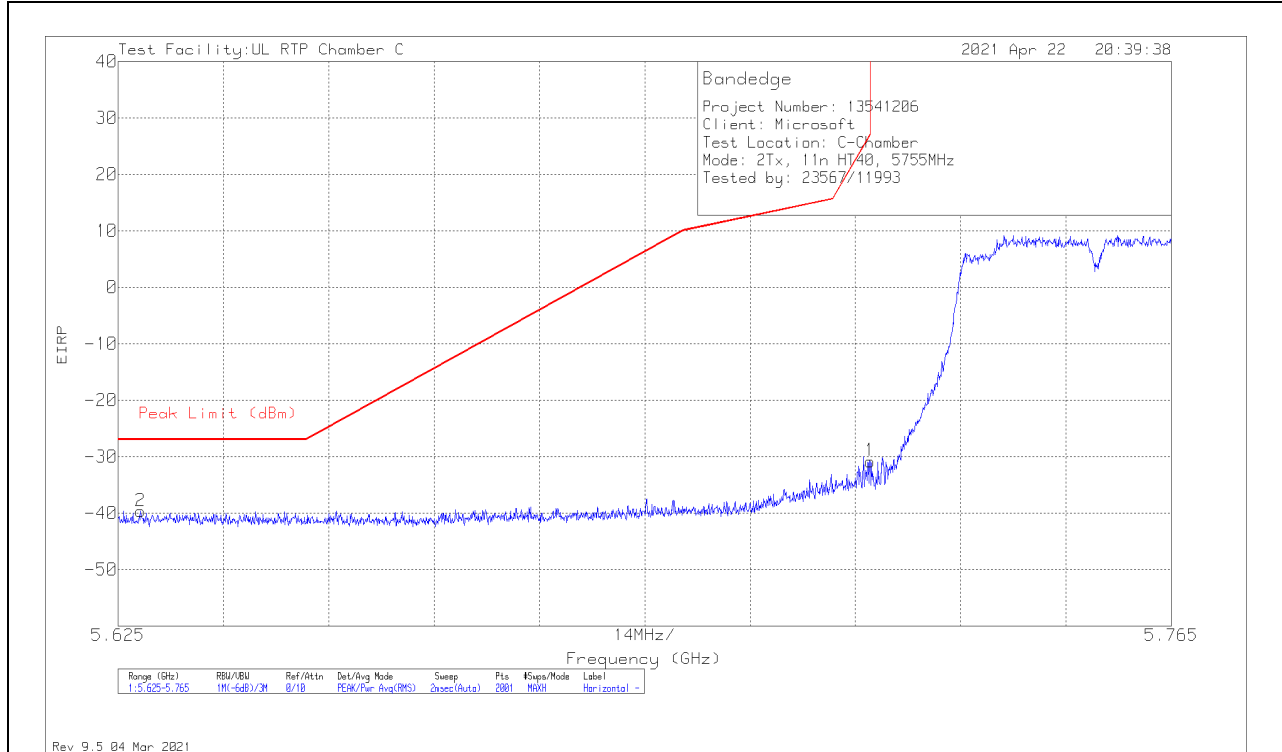
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85004	-60.51	Pk	35.1	-11.9	11.8	-25.51	26.91	-52.42	234	201	V
2	5.92905	-72.57	Pk	35.3	-11.9	11.8	-37.37	-27	-10.37	234	201	V

Pk - Peak detector

2TX Antenna A + Antenna B CDD MODE

BANDEDGE (LOW CHANNEL)

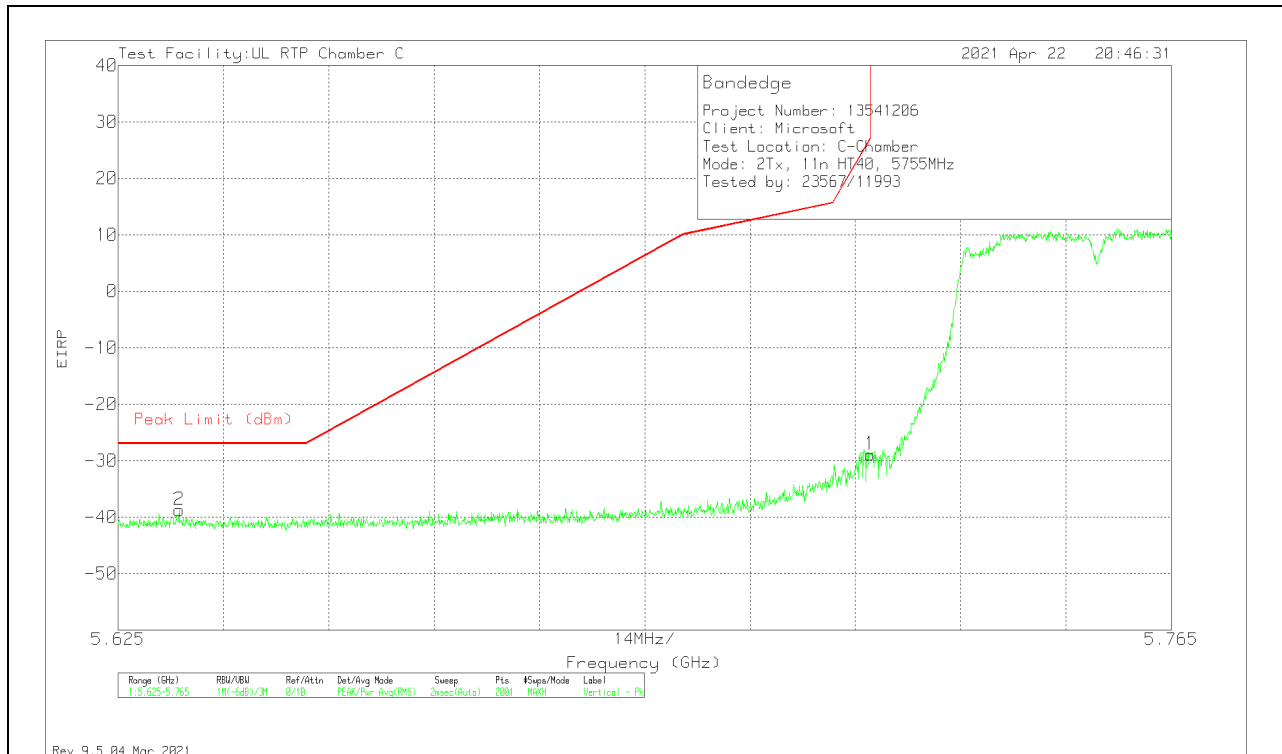
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62801	-73.78	Pk	34.8	-12.5	11.8	-39.68	-27	-12.68	31	153	H
1	5.72496	-64.7	Pk	34.8	-12.7	11.8	-30.8	26.91	-57.71	31	153	H

Pk - Peak detector

VERTICAL RESULT

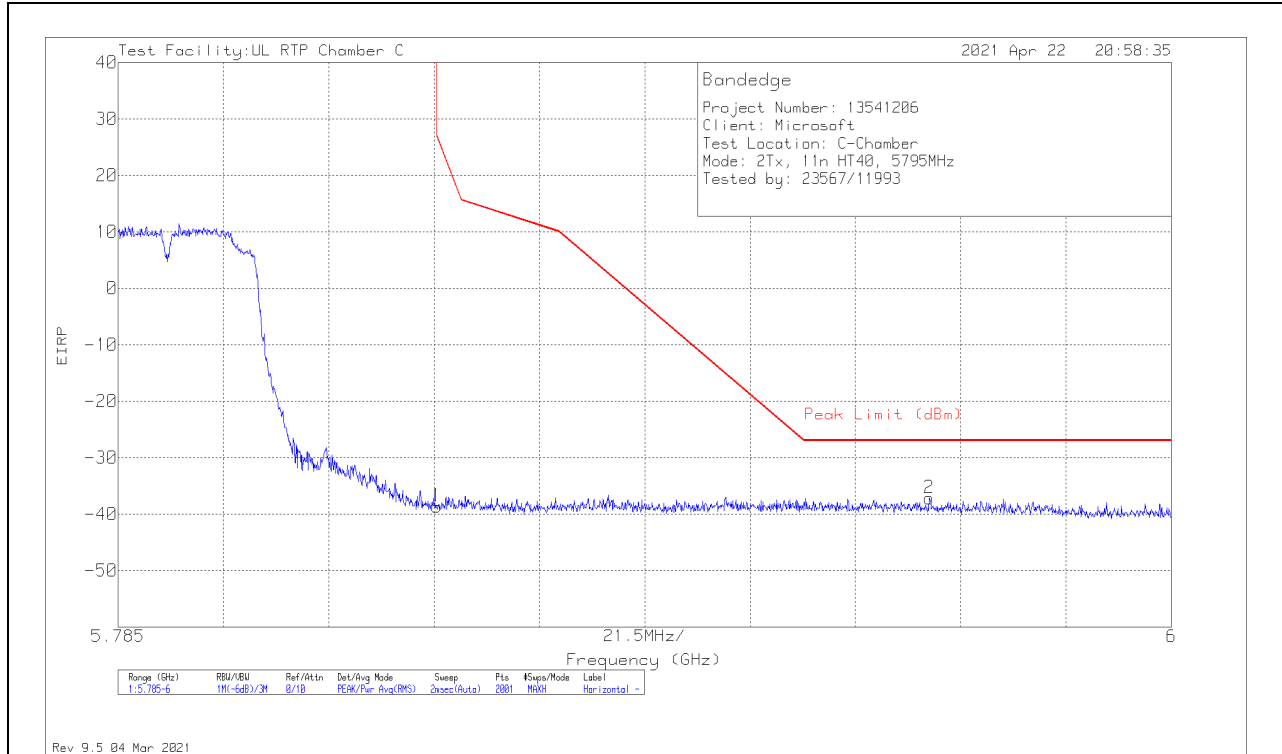


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63312	-72.93	Pk	34.8	-12.4	11.8	-38.73	-27	-11.73	15	214	V
1	5.72496	-62.8	Pk	34.8	-12.7	11.8	-28.9	26.91	-55.81	15	214	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

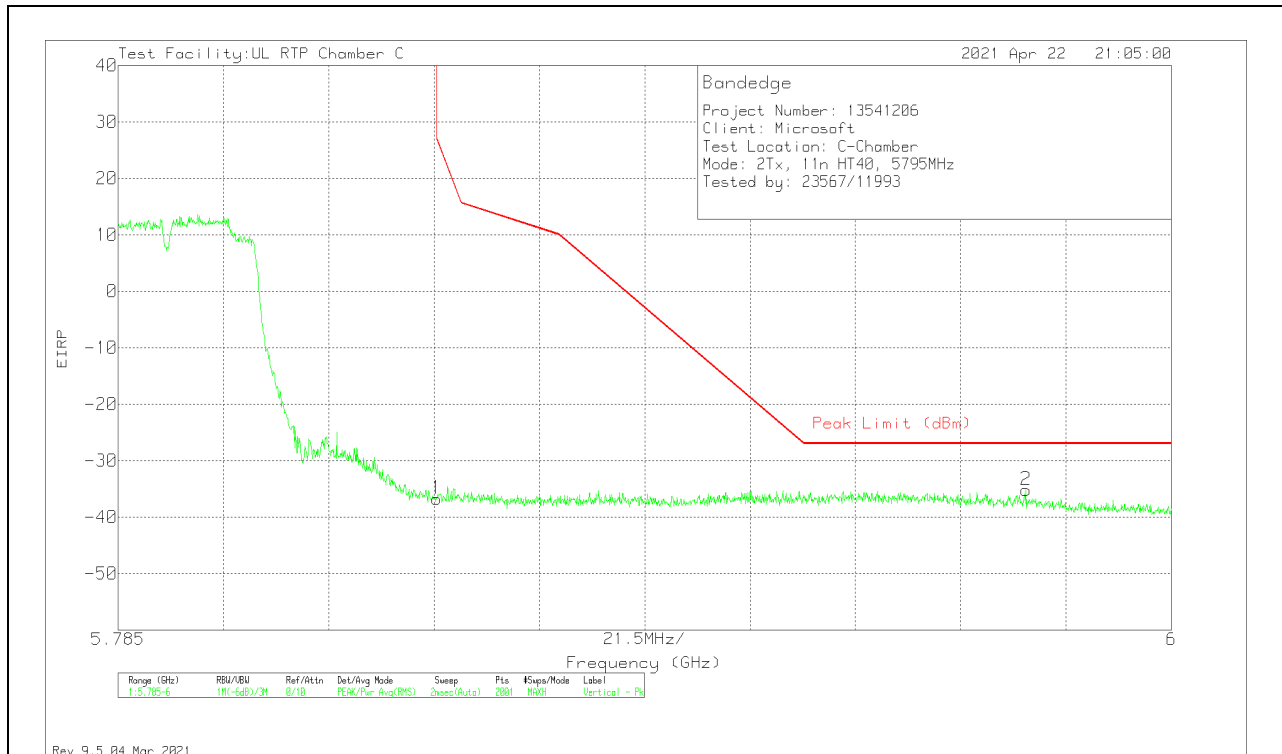
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85004	-73.64	Pk	35.1	-11.9	11.8	-38.64	26.91	-65.55	1	207	H
2	5.95055	-72.26	Pk	35.3	-12	11.8	-37.16	-27	-10.16	1	207	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85004	-71.74	Pk	35.1	-11.9	11.8	-36.74	26.91	-63.65	7	393	V
2	5.97033	-70.59	Pk	35.4	-11.8	11.8	-35.19	-27	-8.19	7	393	V

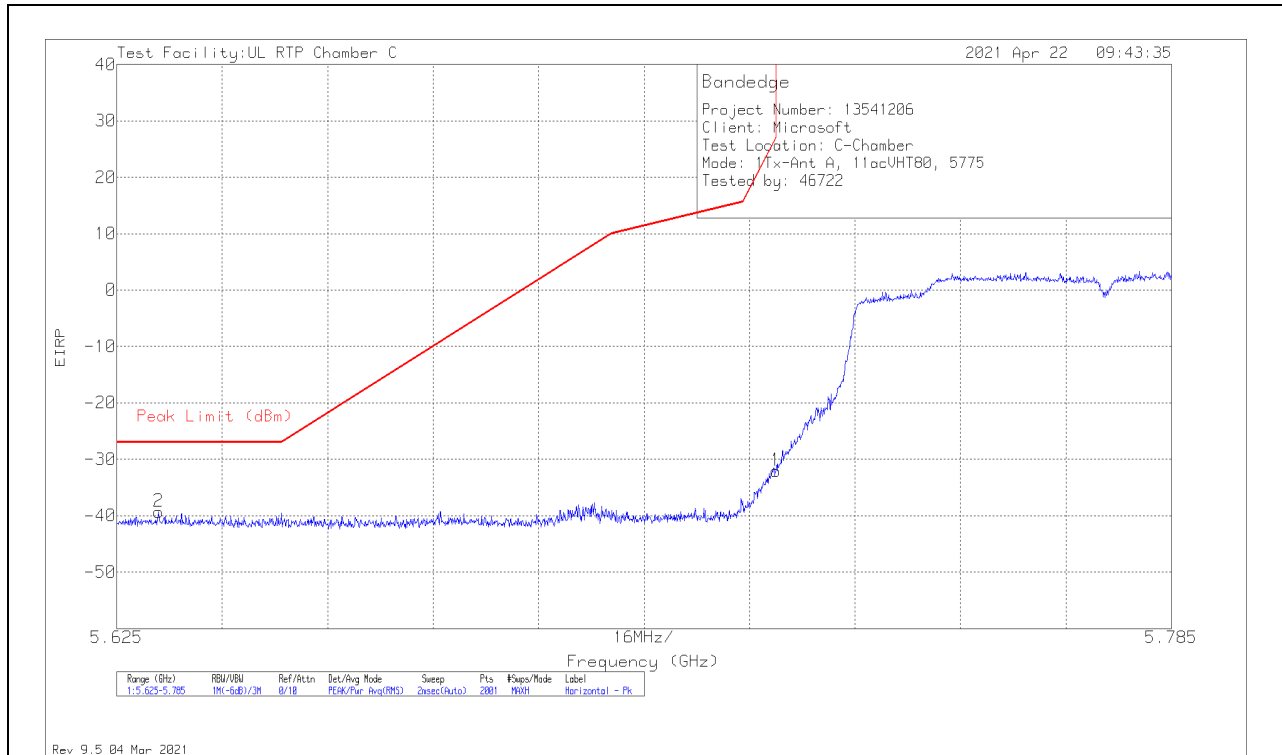
Pk - Peak detector

10.1.4. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna A MODE

BANDEDGE (CHANNEL 155 LOW EDGE)

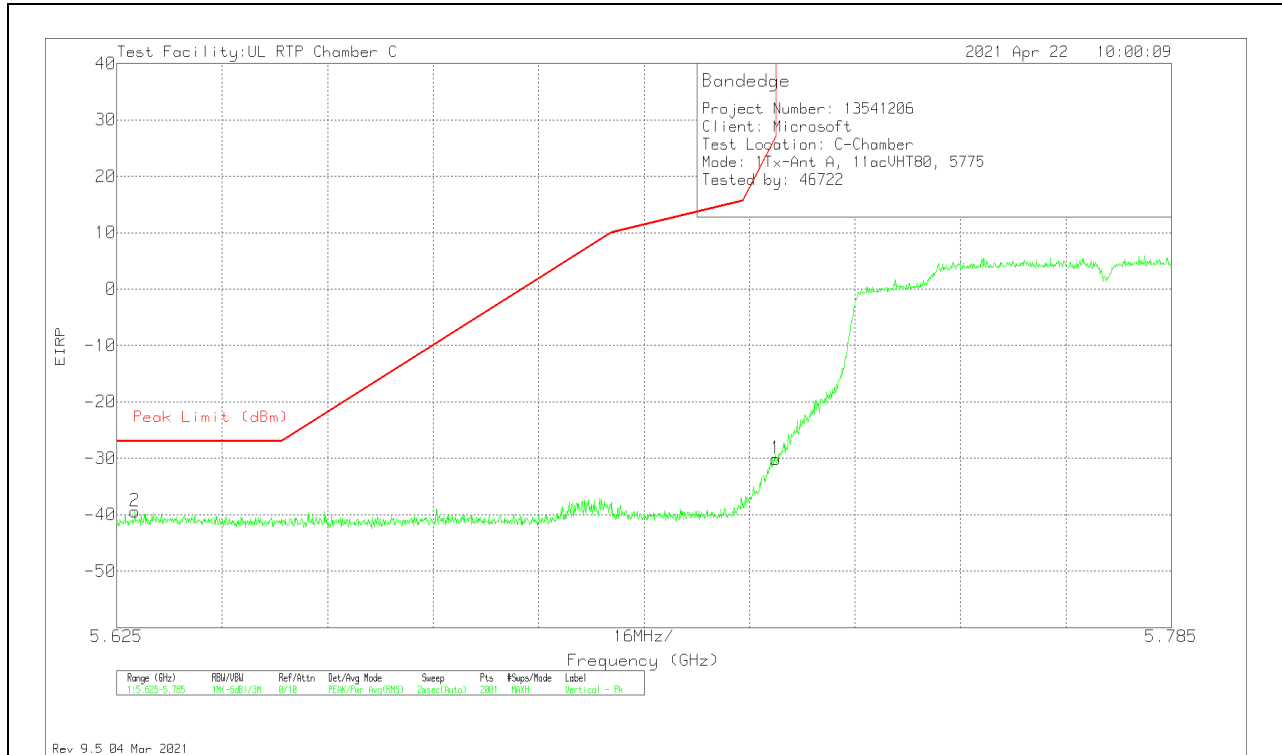
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63132	-73.49	Pk	34.8	-12.4	11.8	-39.29	-27	-12.29	184	101	H
1	5.725	-65.95	Pk	34.8	-12.7	11.8	-32.05	27	-59.05	184	101	H

Pk - Peak detector

VERTICAL RESULT

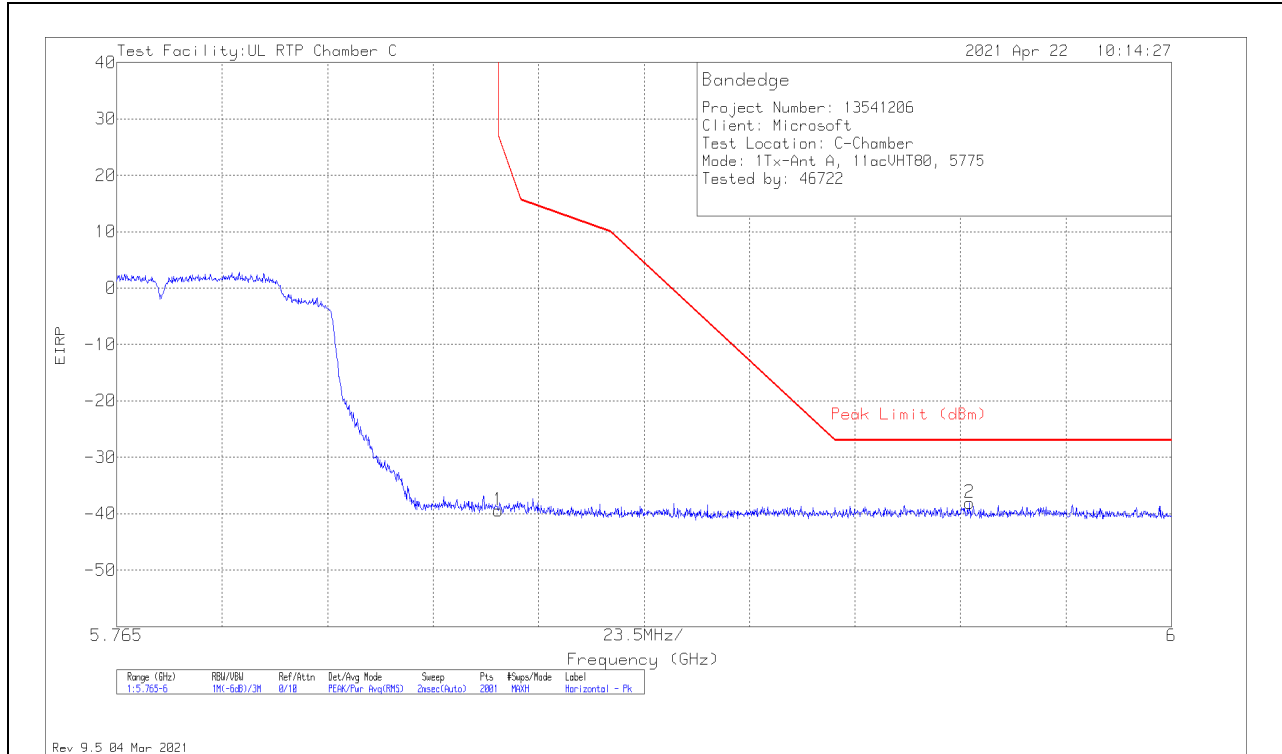


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62772	-73.58	Pk	34.8	-12.5	11.8	-39.48	-27	-12.48	190	105	V
1	5.725	-64.01	Pk	34.8	-12.7	11.8	-30.11	27	-57.11	190	105	V

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

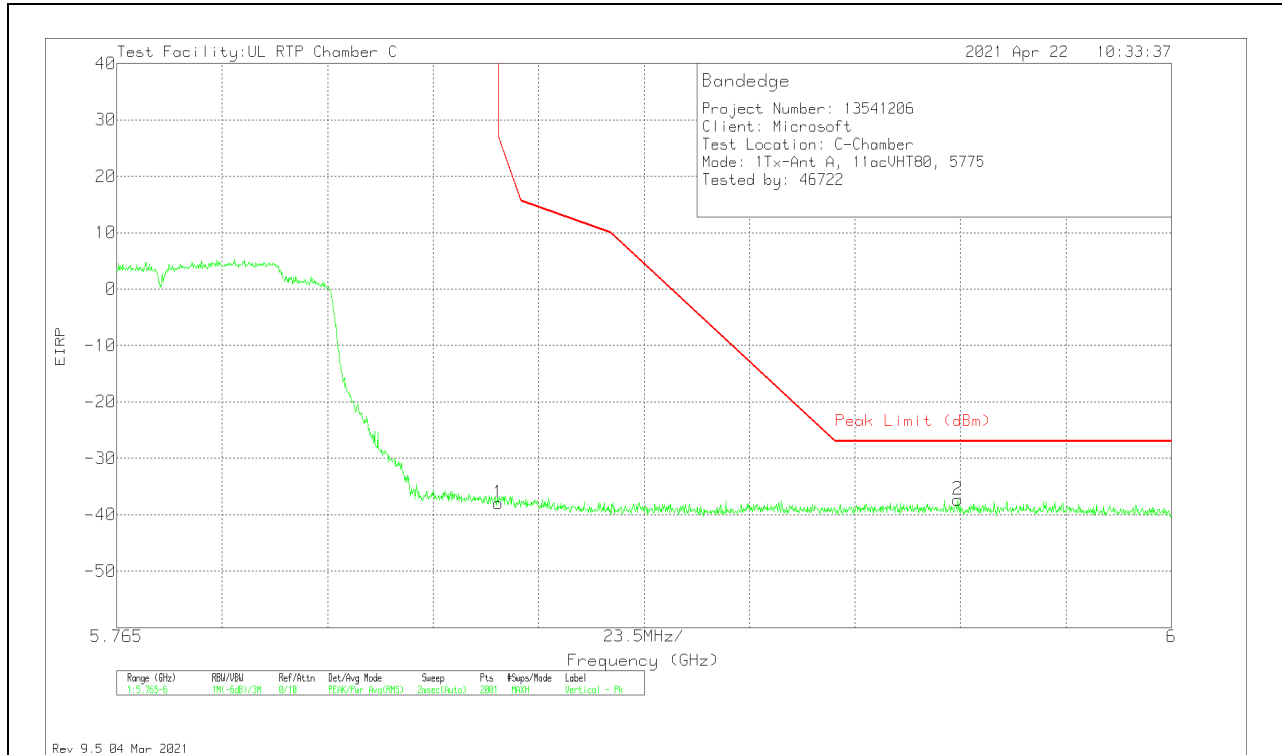
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Fitr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85007	-74.44	Pk	35.1	-11.9	11.8	-39.44	26.84	-66.28	205	258	H
2	5.955	-73.12	Pk	35.4	-12.1	11.8	-38.02	-27	-11.02	205	258	H

Pk - Peak detector

VERTICAL RESULT



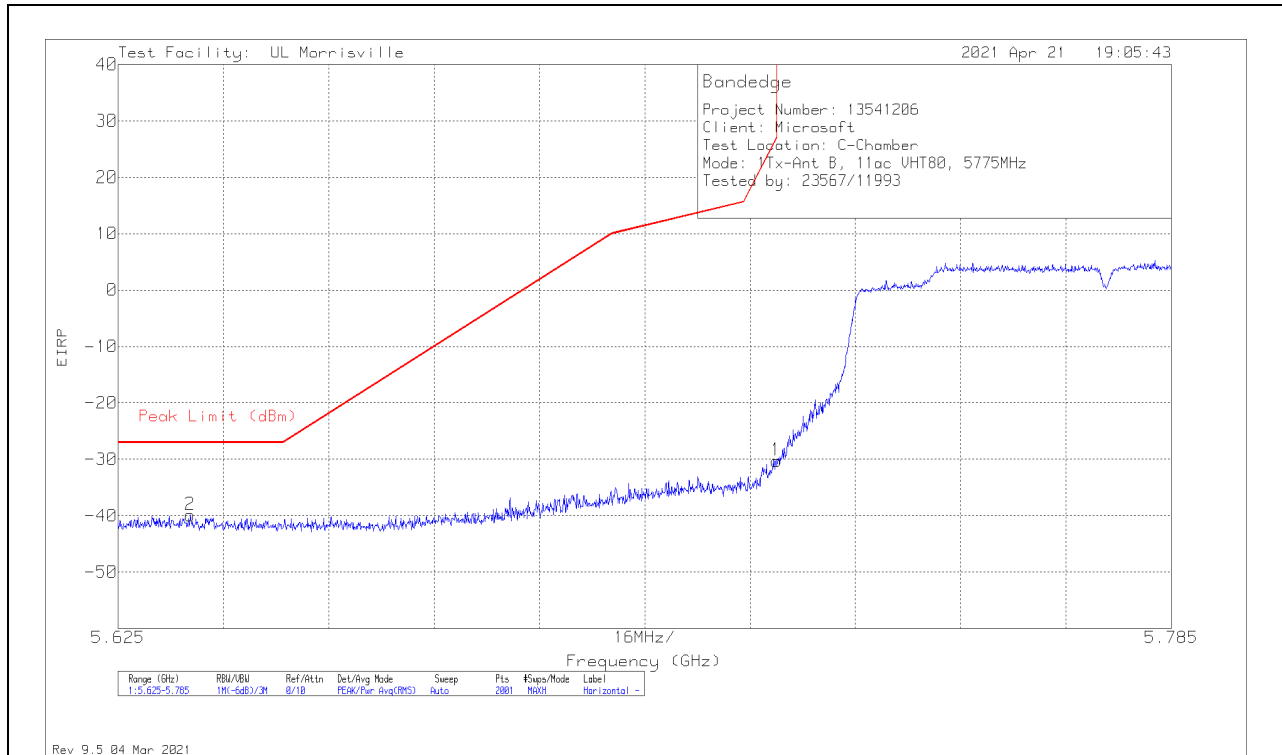
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85007	-72.9	Pk	35.1	-11.9	11.8	-37.9	26.84	-64.74	205	162	V
2	5.95241	-72.45	Pk	35.4	-12.1	11.8	-37.35	-27	-10.35	205	162	V

Pk - Peak detector

1TX Antenna B MODE

BANDEDGE (CHANNEL 155 LOW EDGE)

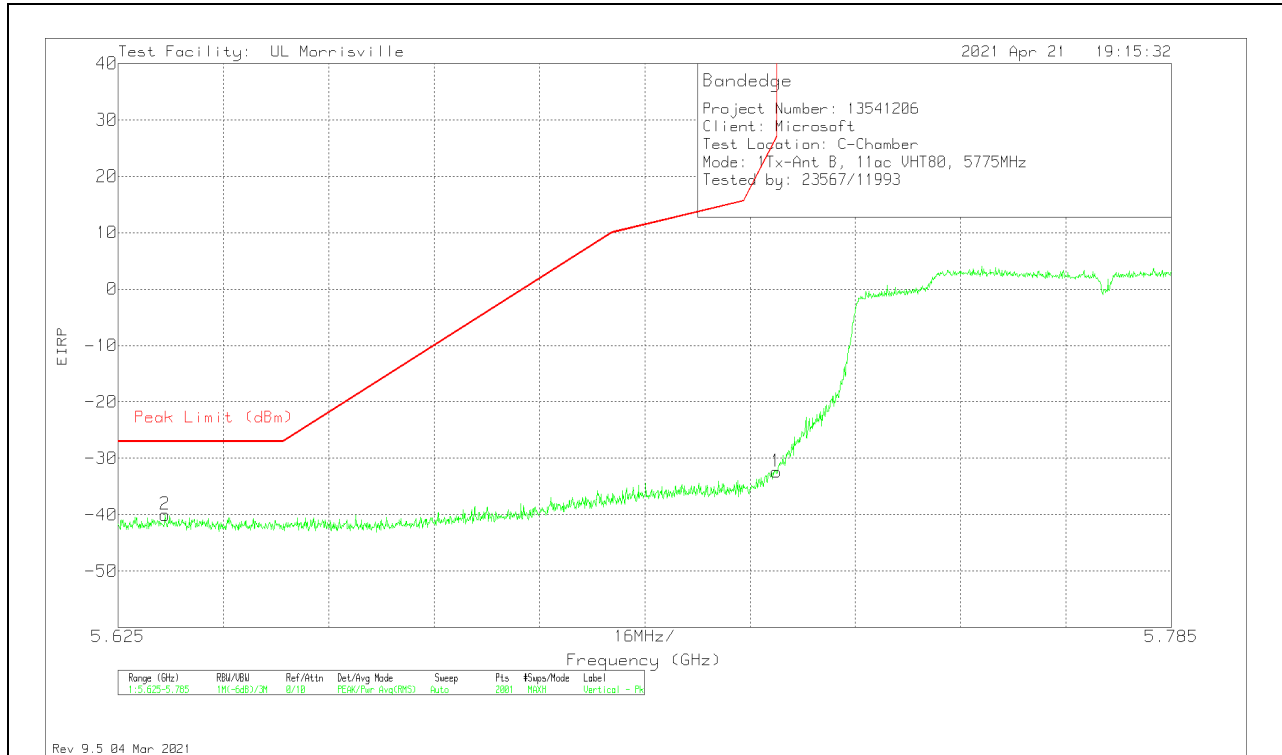
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63596	-74	Pk	34.8	-12.5	11.8	-39.9	-27	-12.9	208	101	H
1	5.725	-64.17	Pk	34.8	-12.7	11.8	-30.27	27	-57.27	208	101	H

Pk - Peak detector

VERTICAL RESULT

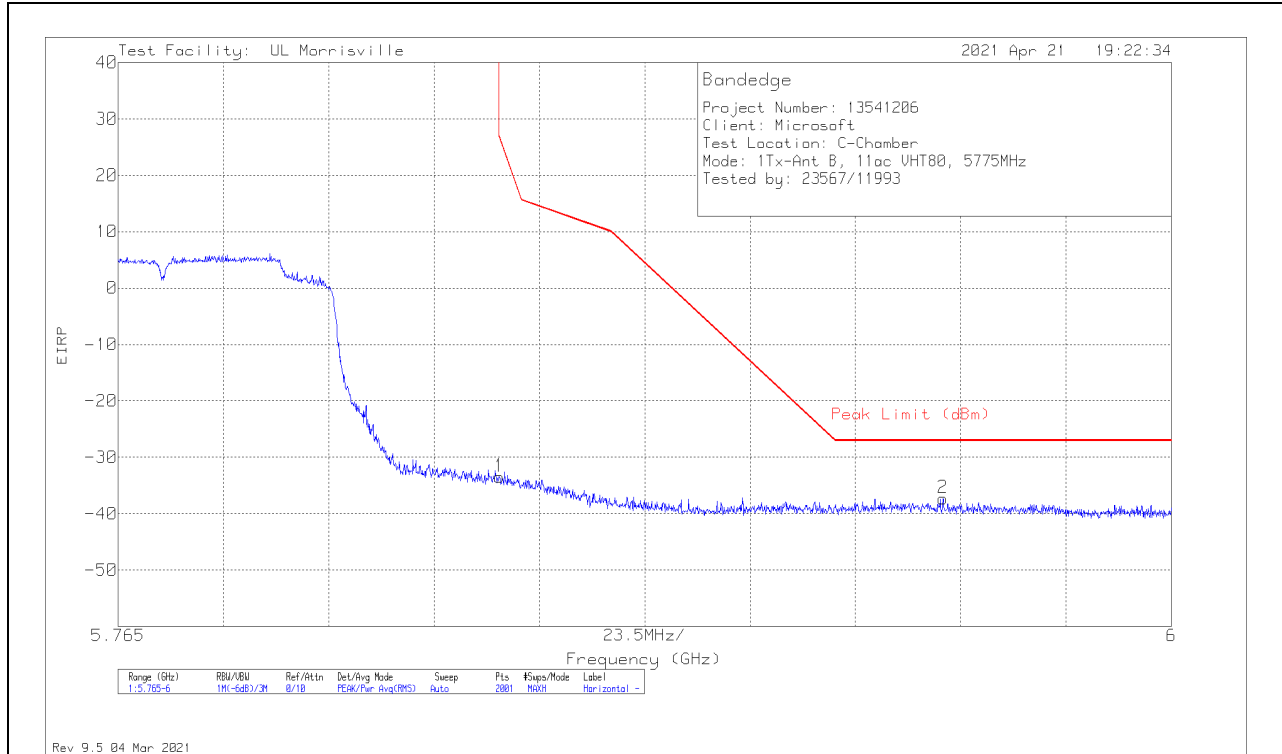


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63212	-74.32	Pk	34.8	-12.3	11.8	-40.02	-27	-13.02	225	101	V
1	5.725	-66.28	Pk	34.8	-12.7	11.8	-32.38	27	-59.38	225	101	V

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

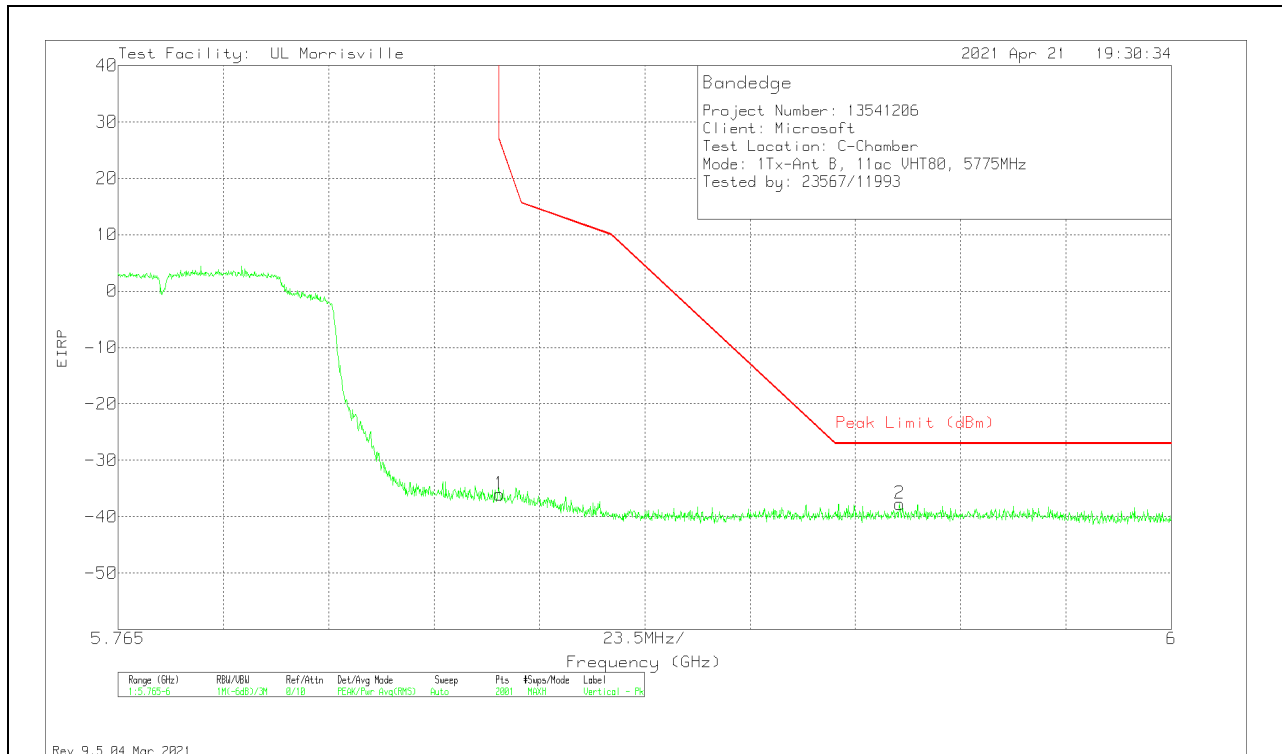
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85007	-68.45	Pk	35.1	-11.9	11.8	-33.45	26.84	-60.29	126	101	H
2	5.94901	-72.36	Pk	35.3	-12	11.8	-37.26	-27	-10.26	126	101	H

Pk - Peak detector

VERTICAL RESULT



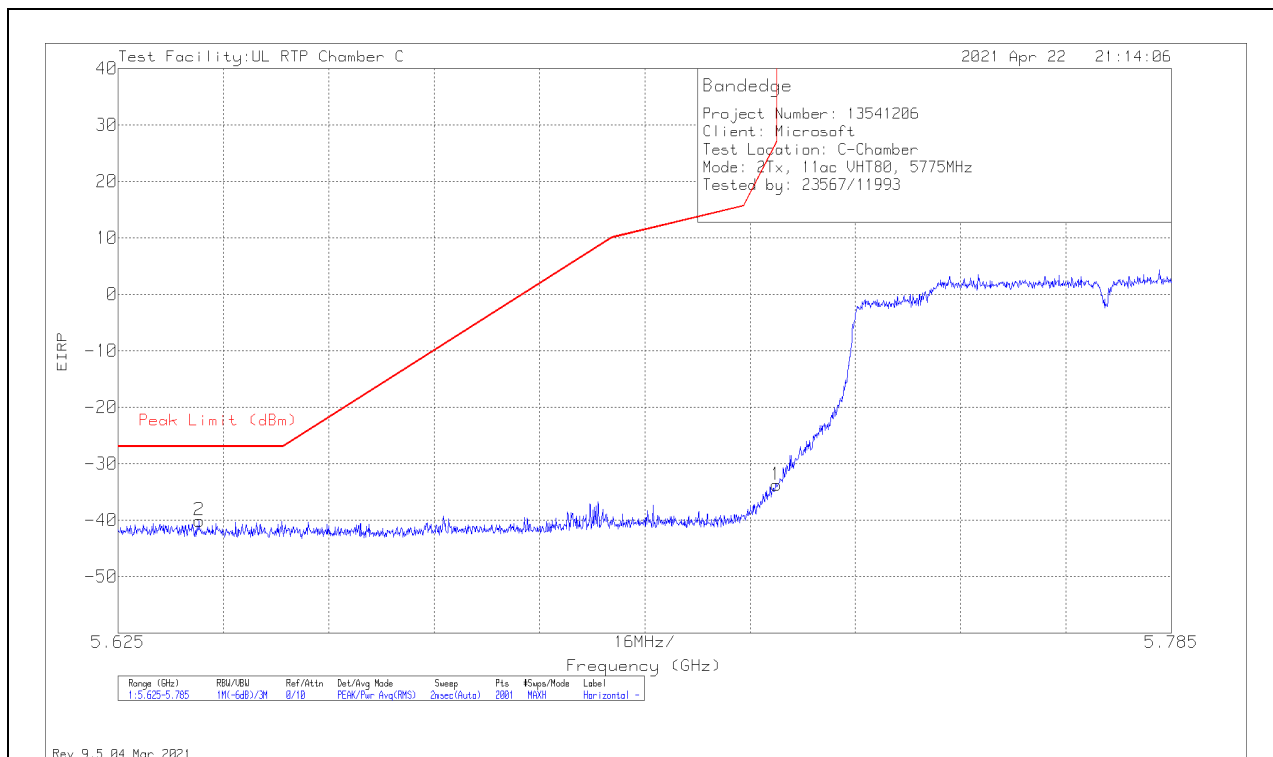
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85007	-71.04	Pk	35.1	-11.9	11.8	-36.04	26.84	-62.88	223	101	V
2	5.93937	-72.92	Pk	35.3	-11.9	11.8	-37.72	-27	-10.72	223	101	V

Pk - Peak detector

2TX Antenna A + Antenna B CDD MODE

BANDEDGE (CHANNEL 155 LOW EDGE)

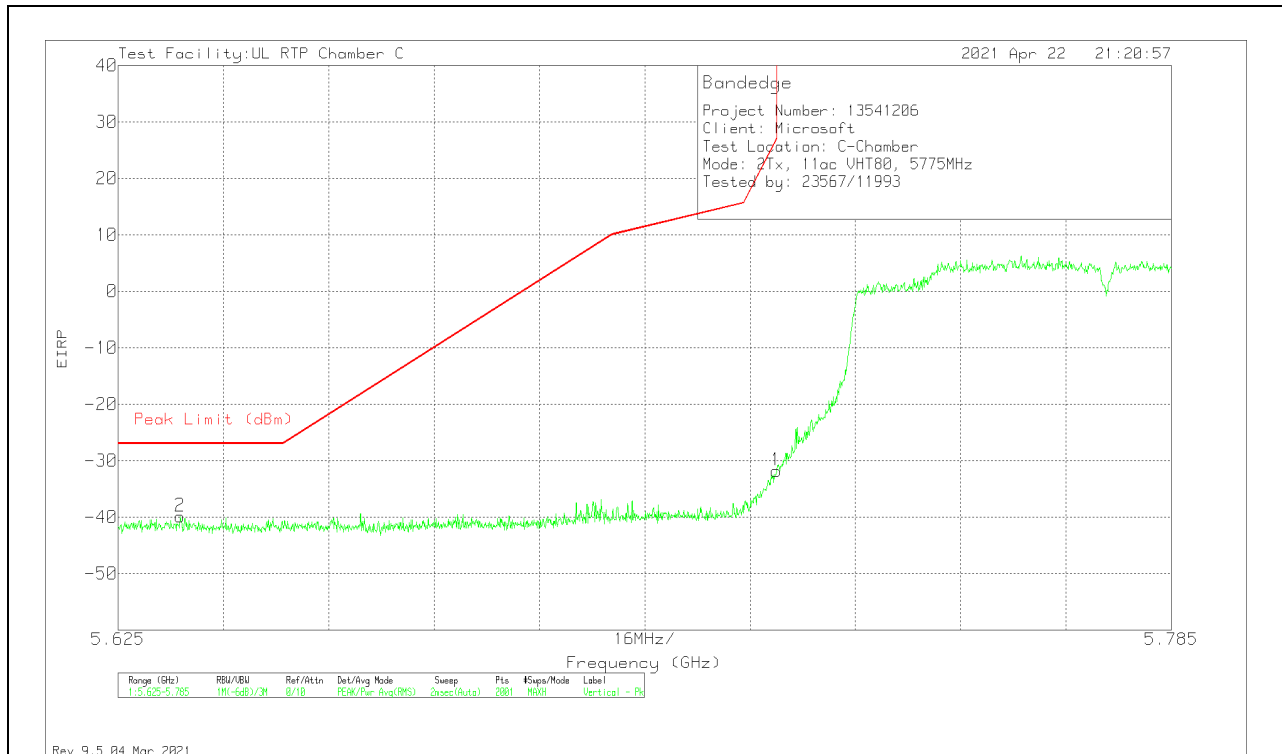
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63732	-74.08	Pk	34.8	-12.6	11.8	-40.08	-27	-13.08	18	233	H
1	5.725	-67.67	Pk	34.8	-12.7	11.8	-33.77	27	-60.77	18	233	H

Pk - Peak detector

VERTICAL RESULT

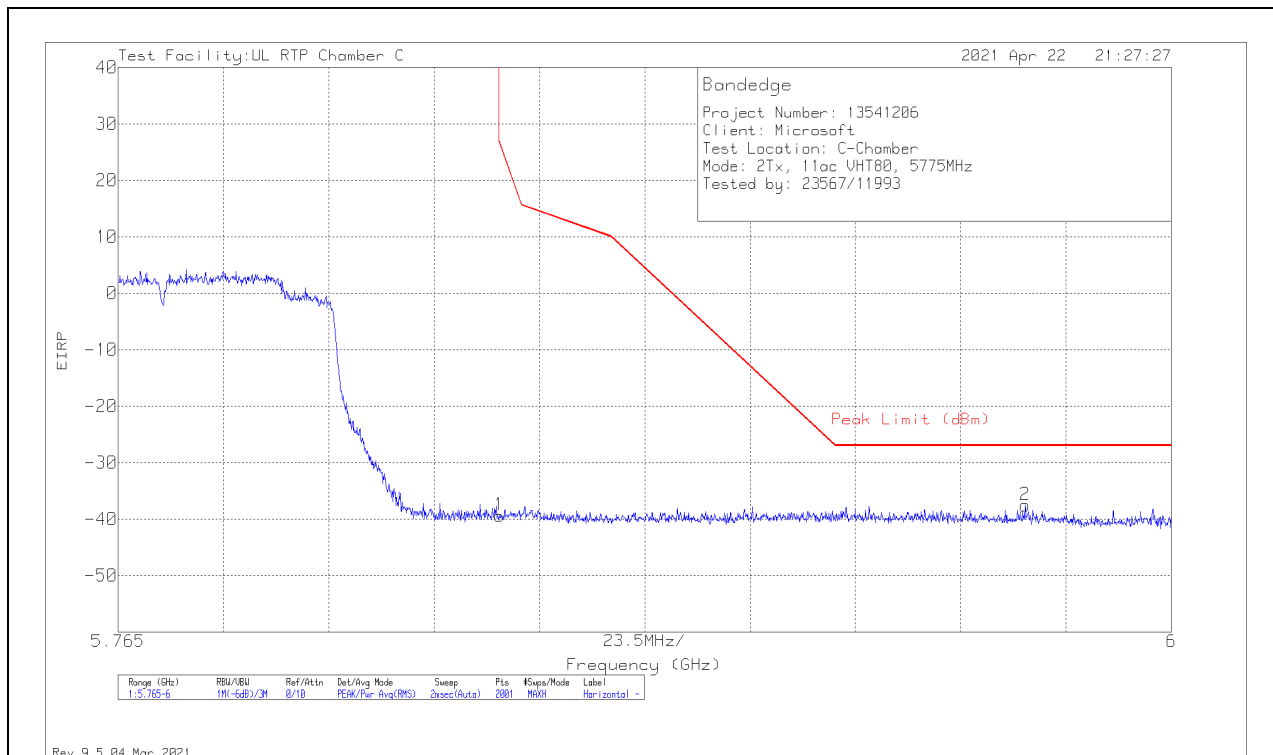


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63444	-73.96	Pk	34.8	-12.5	11.8	-39.86	-27	-12.86	24	318	V
1	5.725	-65.67	Pk	34.8	-12.7	11.8	-31.77	27	-58.77	24	318	V

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

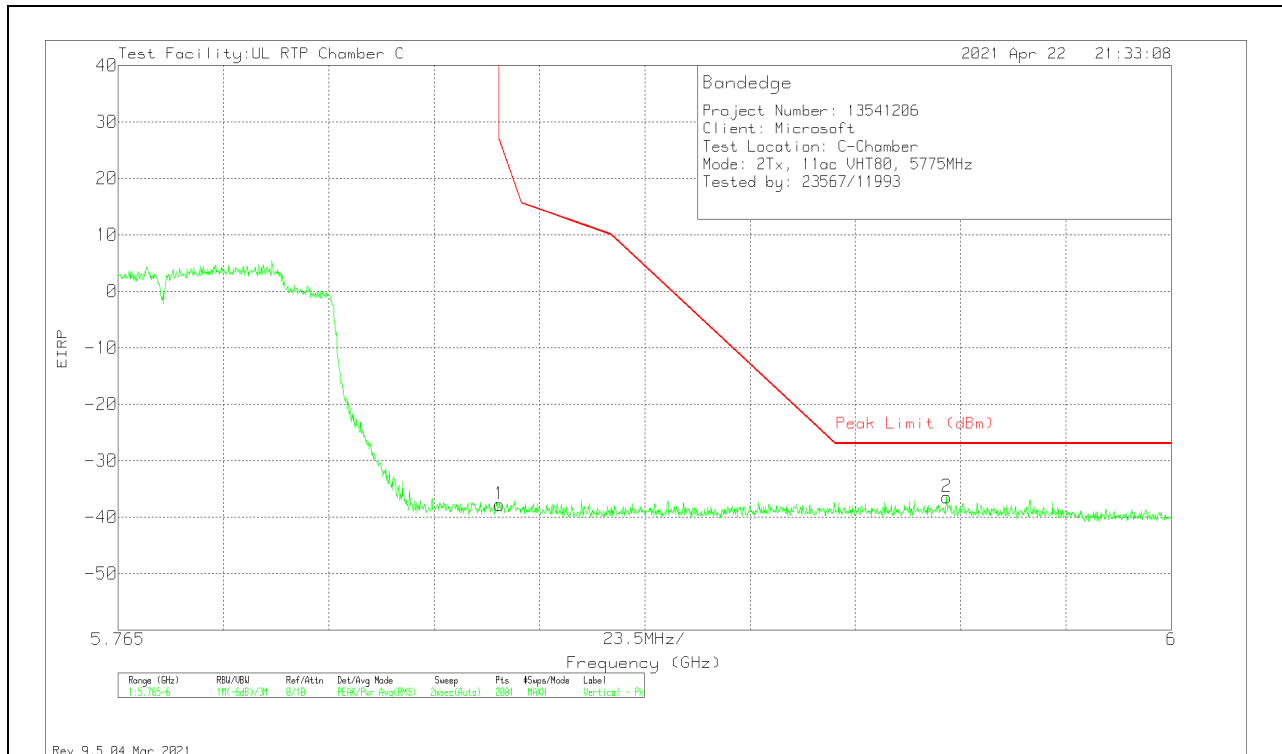
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85007	-74.36	Pk	35.1	-11.9	11.8	-39.36	26.84	-66.2	5	287	H
2	5.96734	-72.83	Pk	35.4	-11.9	11.8	-37.53	-27	-10.53	5	287	H

Pk - Peak detector

VERTICAL RESULT

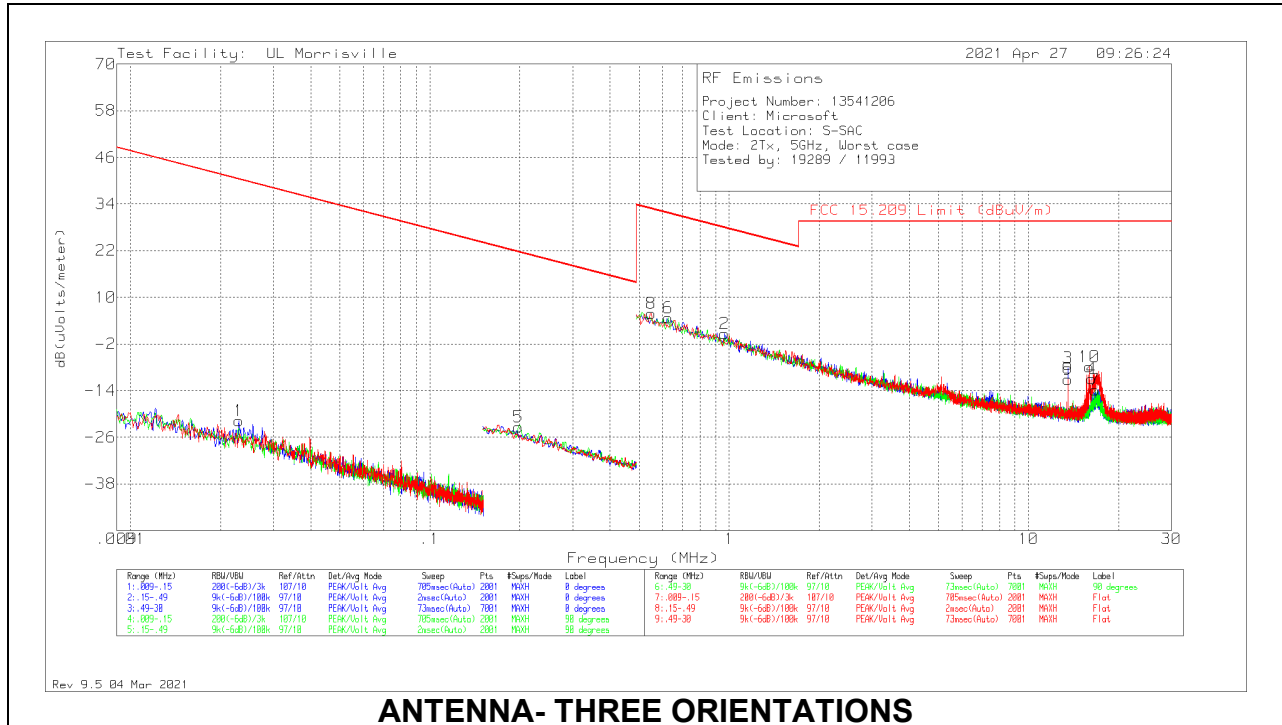


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AT0062 (dB/m)	Amp/Cbl/Filtr (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85007	-72.77	Pk	35.1	-11.9	11.8	-37.77	26.84	-64.61	19	212	V
2	5.94983	-71.56	Pk	35.3	-12	11.8	-36.46	-27	-9.46	19	212	V

Pk - Peak detector

10.2. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data - FCC

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0079 (dB/m)	Cbl (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	FCC 15.209 Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Antenna Face
1	.02299	44.53	Pk	13.6	.1	-80	-21.77	40.37	-62.14	0-360	On
2	.96641	29.5	Pk	11	.2	-40	.7	27.9	-27.2	0-360	On
3	13.5596	20.76	Pk	10.4	.7	-40	-8.14	29.54	-37.68	0-360	On
4	16.24519	17.88	Pk	10.3	.8	-40	-11.02	29.54	-40.56	0-360	On
5	.1976	45.72	Pk	10.8	.1	-80	-23.38	21.69	-45.07	0-360	Off
6	.62491	33.73	Pk	10.8	.2	-40	4.73	31.69	-26.96	0-360	Off
7	16.62463	15.19	Pk	10.2	.8	-40	-13.81	29.54	-43.35	0-360	Off
8	.54902	34.96	Pk	10.8	.1	-40	5.86	32.81	-26.95	0-360	Flat
9	13.5596	17.86	Pk	10.4	.7	-40	-11.04	29.54	-40.58	0-360	Flat
10	15.93742	21.01	Pk	10.3	.8	-40	-7.89	29.54	-37.43	0-360	Flat

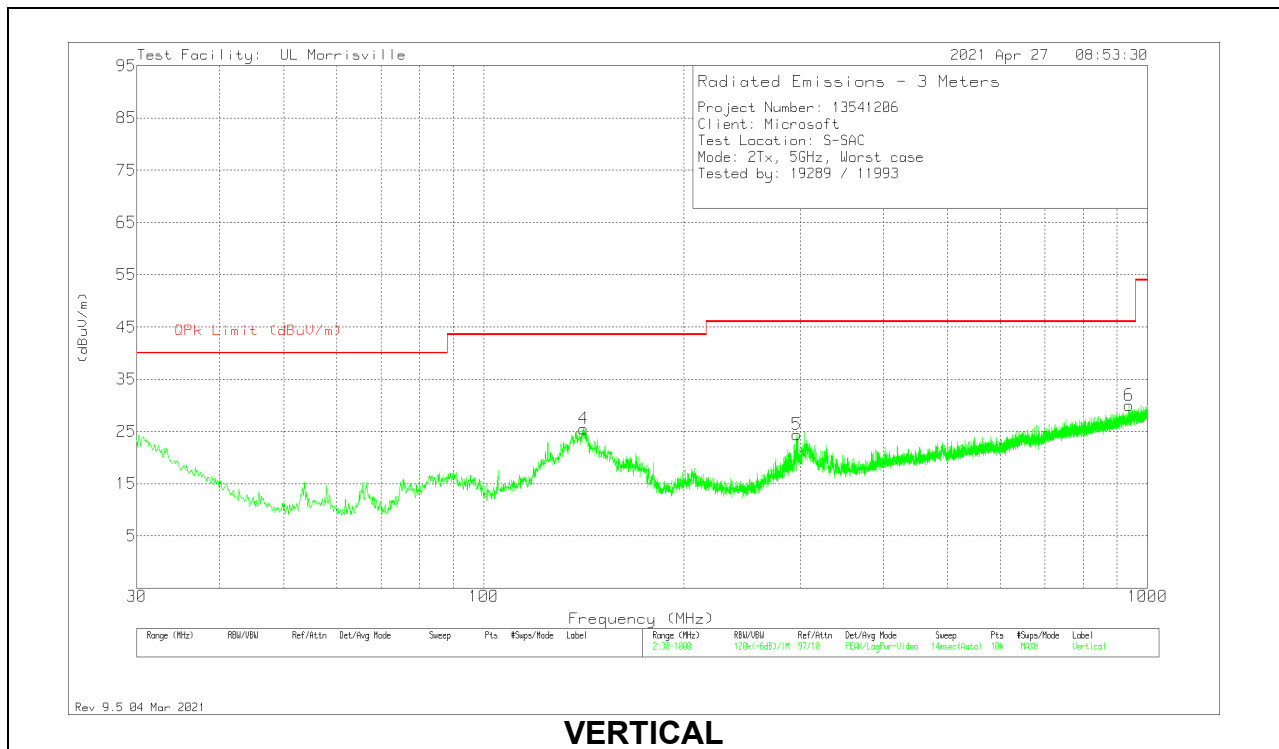
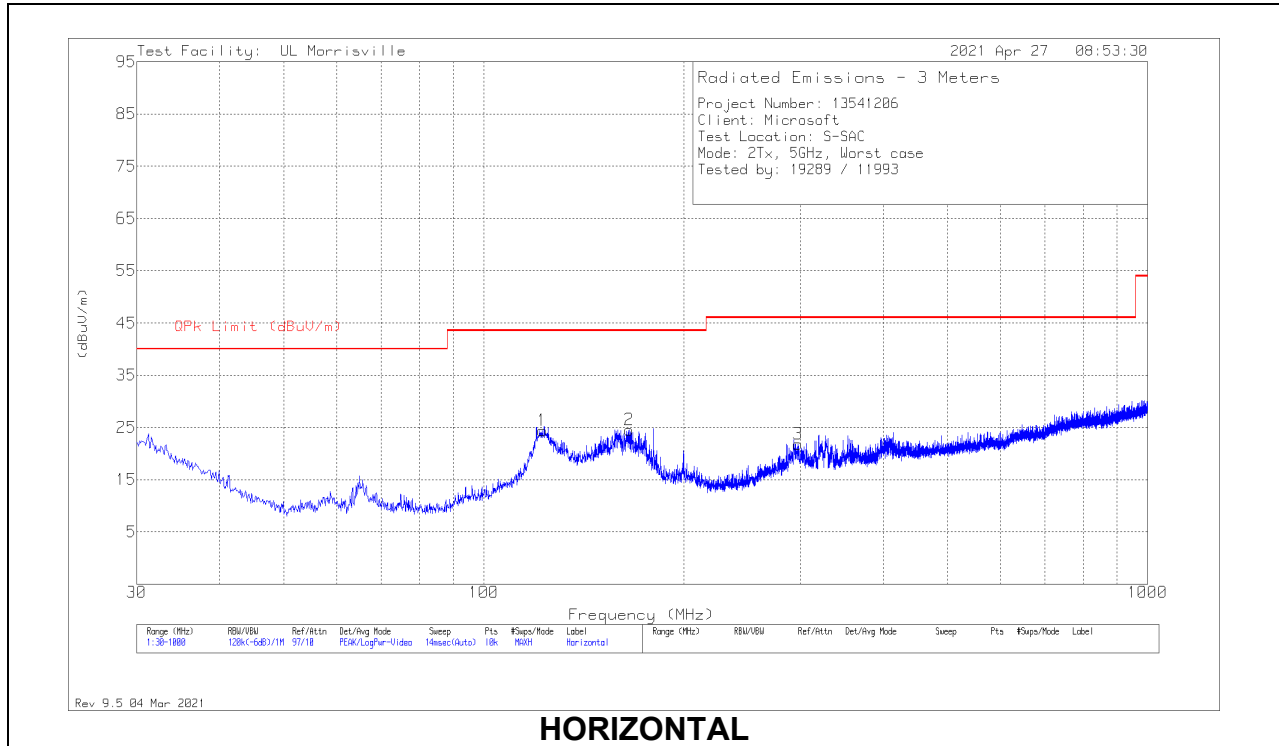
Pk - Peak detector

Below 30MHz Data - ISED

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0079 (dB/m)	Cbl (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uAmps/meter)	FCC 15.209 Limit (dBuA/m)	Margin (dB)	Azimuth (Degs)	Antenna Face
1	.02299	44.53	Pk	-37.9	.1	-80	-73.27	-11.13	-62.14	0-360	On
2	.96641	29.5	Pk	-40.5	.2	-40	-50.8	-23.6	-27.2	0-360	On
3	13.5596	20.76	Pk	-41.1	.7	-40	-59.64	-21.96	-37.68	0-360	On
4	16.24519	17.88	Pk	-41.2	.8	-40	-62.52	-21.96	-40.56	0-360	On
5	.1976	45.72	Pk	-40.7	.1	-80	-74.88	-29.81	-45.07	0-360	Off
6	.62491	33.73	Pk	-40.7	.2	-40	-46.77	-19.81	-26.96	0-360	Off
7	16.62463	15.19	Pk	-41.3	.8	-40	-65.31	-21.96	-43.35	0-360	Off
8	.54902	34.96	Pk	-40.7	.1	-40	-45.64	-18.69	-26.95	0-360	Flat
9	13.5596	17.86	Pk	-41.1	.7	-40	-62.54	-21.96	-40.58	0-360	Flat
10	15.93742	21.01	Pk	-41.2	.8	-40	-59.39	-21.96	-37.43	0-360	Flat

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHZ

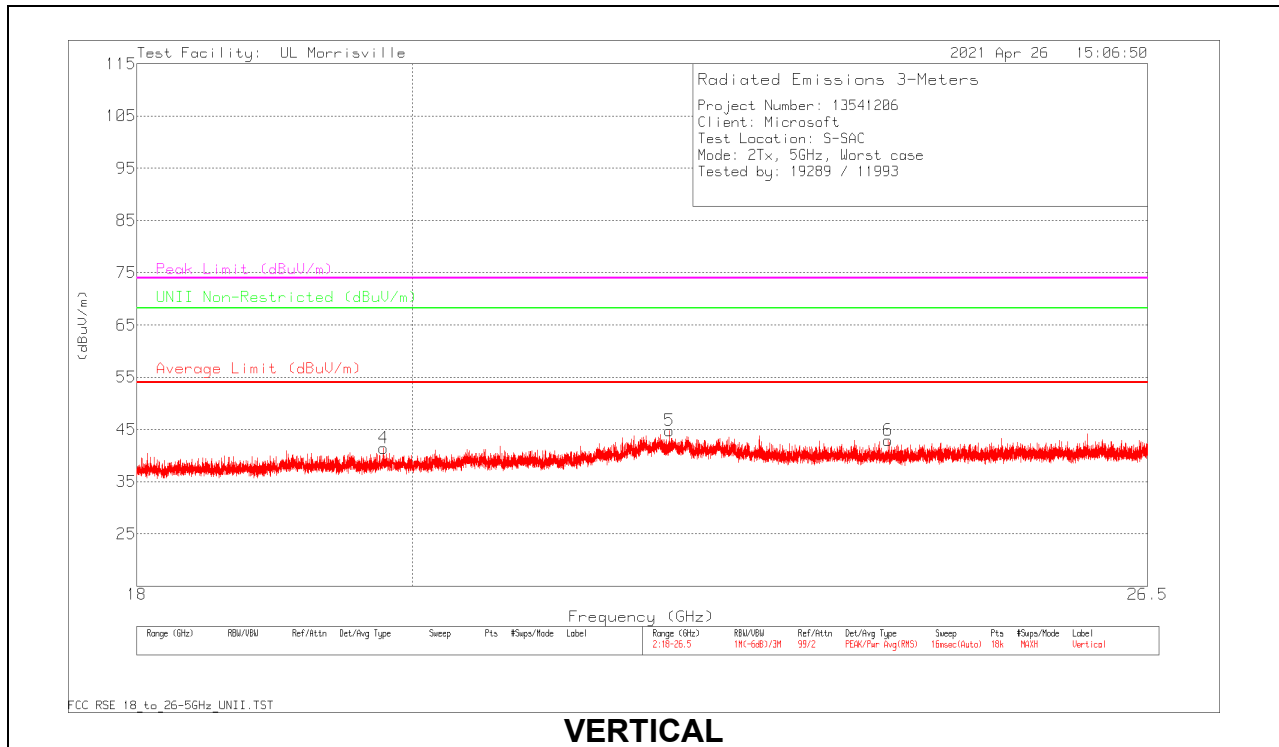
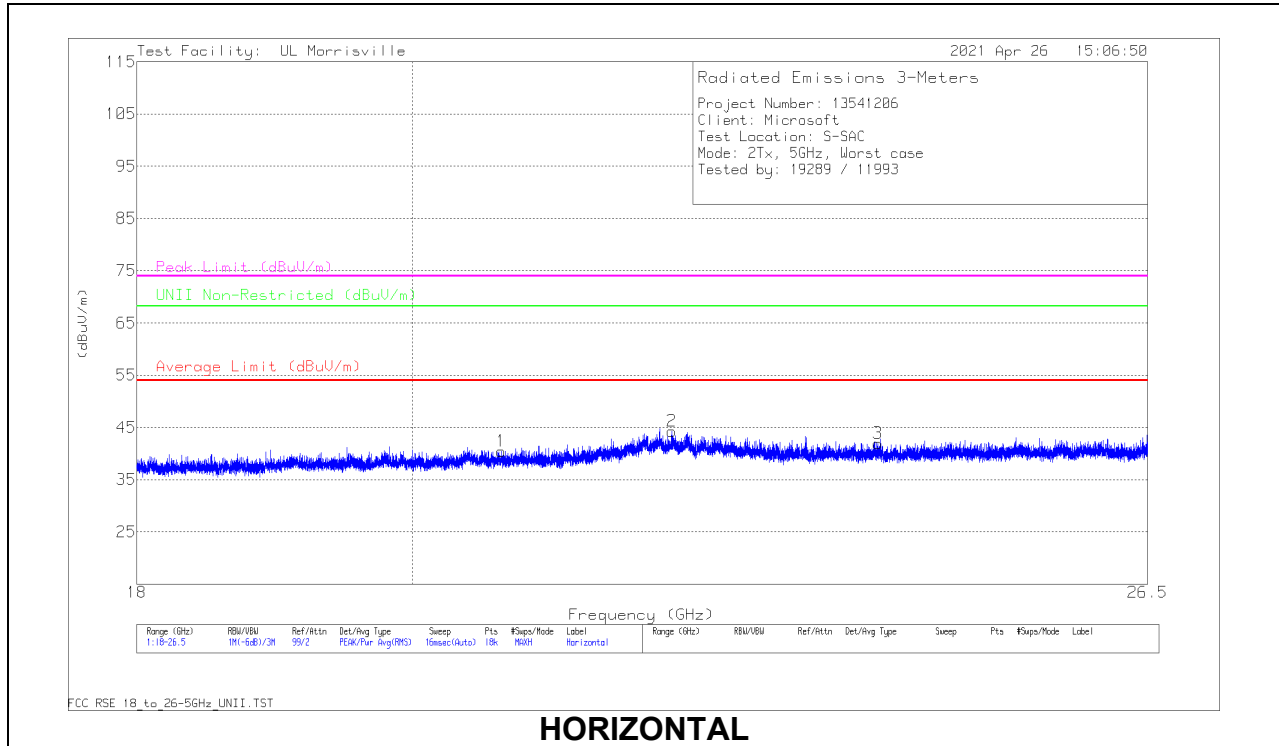


Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0075 AF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	122.538	34.58	Pk	20.1	-30.3	24.38	43.52	-19.14	0-360	199	H
4	141.356	36.51	Pk	19.1	-30.1	25.51	43.52	-18.01	0-360	101	V
2	165.509	36.15	Pk	18.3	-29.9	24.55	43.52	-18.97	0-360	199	H
5	295.974	33.8	Pk	19.4	-28.8	24.4	46.02	-21.62	0-360	101	V
3	297.235	31.05	Pk	19.5	-28.8	21.75	46.02	-24.27	0-360	100	H
6	936.853	26.03	Pk	29	-25.1	29.93	46.02	-16.09	0-360	101	V

Pk - Peak detector

10.4. WORST CASE 18-26 GHZ



18 – 26GHz DATA

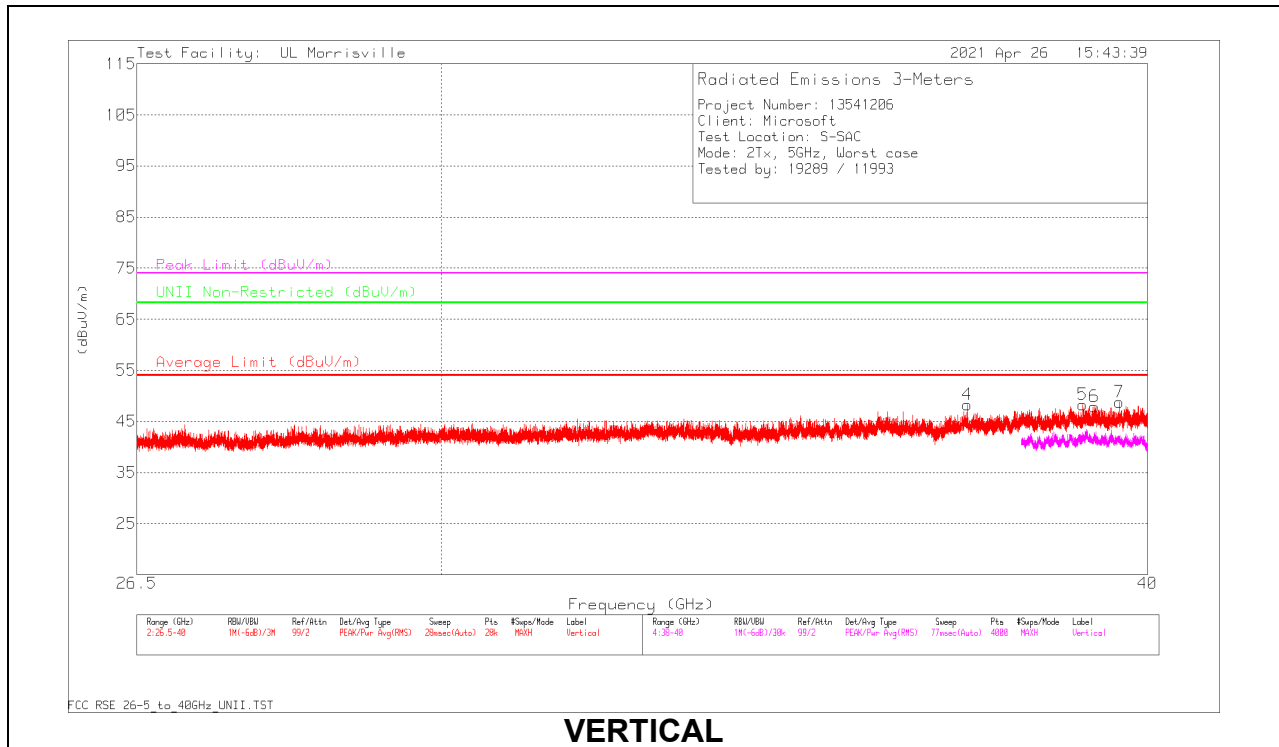
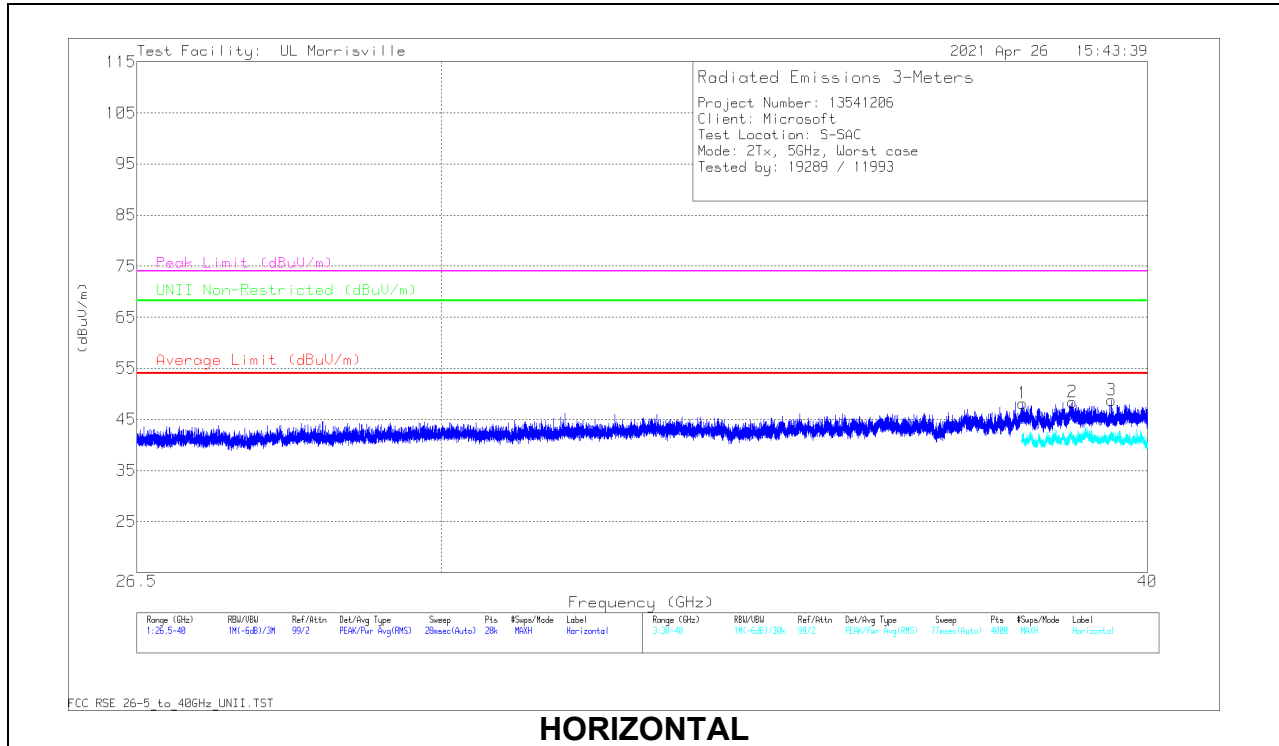
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0063 AF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.69417	45.47	Pk	34	-39	40.47	54	-13.53	74	-33.53	-	-	0-360	101	H
2	* ** 22.08778	46.79	Pk	36.8	-39.3	44.29	54	-9.71	74	-29.71	-	-	0-360	250	H
3	* ** 23.90357	45.55	Pk	34.9	-38.5	41.95	54	-12.05	74	-32.05	-	-	0-360	300	H
4	* ** 19.78179	46.79	Pk	33.6	-39	41.39	54	-12.61	74	-32.61	-	-	0-360	250	V
5	* ** 22.06889	47.36	Pk	36.8	-39.4	44.76	54	-9.24	74	-29.24	-	-	0-360	200	V
6	* ** 23.99661	46.63	Pk	34.9	-38.6	42.93	54	-11.07	74	-31.07	-	-	0-360	300	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.5. WORST CASE 26-40 GHZ



26 – 40GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0061 AF (dB/m)	Amp/Cbl (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* ** 38.79712	47.1	PK-U	38.9	-37.6	0	48.4	-	-	74	-25.6	-	-	138	137	H
	* ** 38.79676	33.73	ADV	38.9	-37.6	.19	35.22	54	-18.78	-	-	-	-	138	137	H
3	* ** 39.41612	47.16	PK-U	38.7	-37	0	48.86	-	-	74	-25.14	-	-	343	137	H
	* ** 39.41608	33.38	ADV	38.7	-37	.19	35.27	54	-18.73	-	-	-	-	343	137	H
5	* ** 38.95385	47.37	PK-U	38.7	-37	0	49.07	-	-	74	-24.93	-	-	282	158	V
	* ** 38.95321	34.21	ADV	38.7	-37	.19	36.1	54	-17.9	-	-	-	-	282	158	V
6	* ** 39.1427	46.38	PK-U	38.7	-36.9	0	48.18	-	-	74	-25.82	-	-	347	326	V
	* ** 39.14222	33.12	ADV	38.7	-36.9	.19	35.11	54	-18.89	-	-	-	-	347	326	V
7	* ** 39.54108	46.3	PK-U	38.6	-36.8	0	48.1	-	-	74	-25.9	-	-	299	290	V
	* ** 39.54096	32.64	ADV	38.6	-36.8	.19	34.63	54	-19.37	-	-	-	-	299	290	V
4	37.16715	47.77	PK-U	38.1	-37.7	0	48.17	-	-	-	-	68.2	-20.03	68	244	V
1	38.01465	48.59	PK-U	38.1	-37.5	0	49.19	-	-	-	-	68.2	-19.01	320	112	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

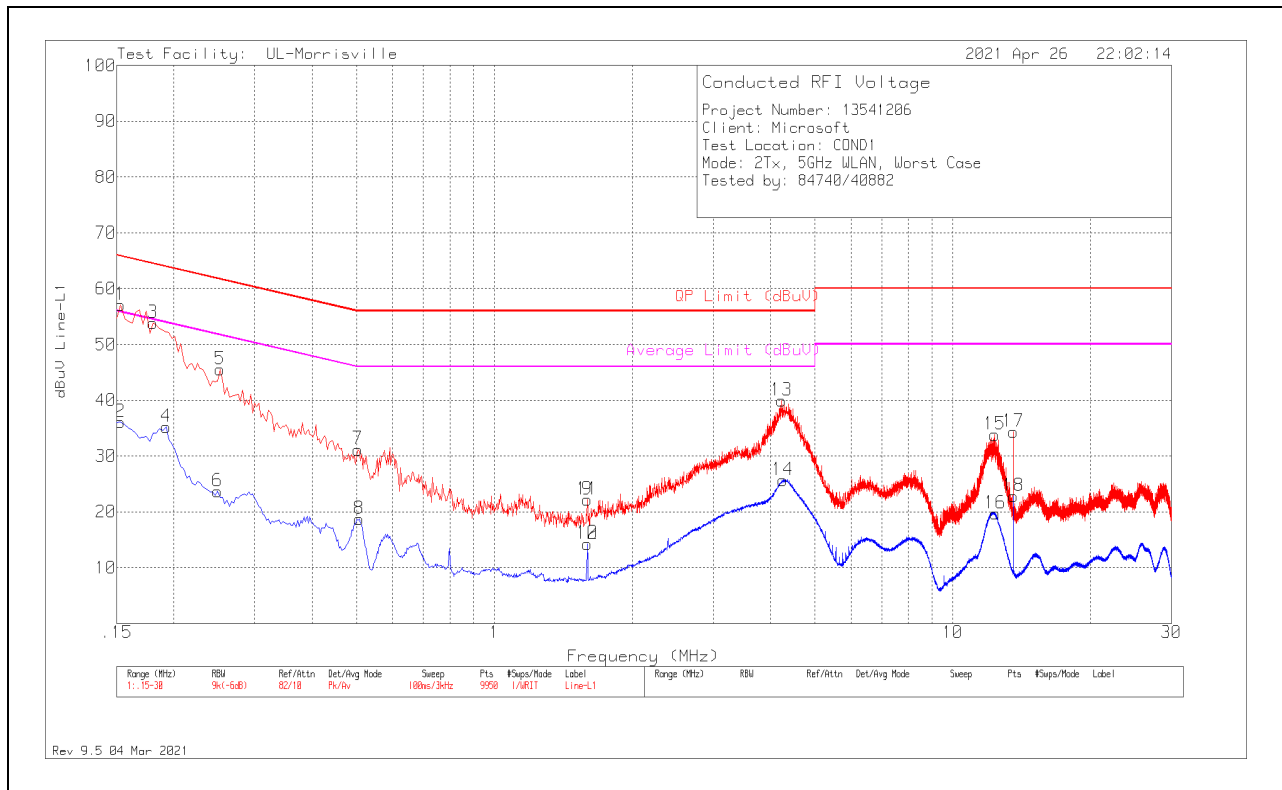
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

11.1.1. AC Power Line

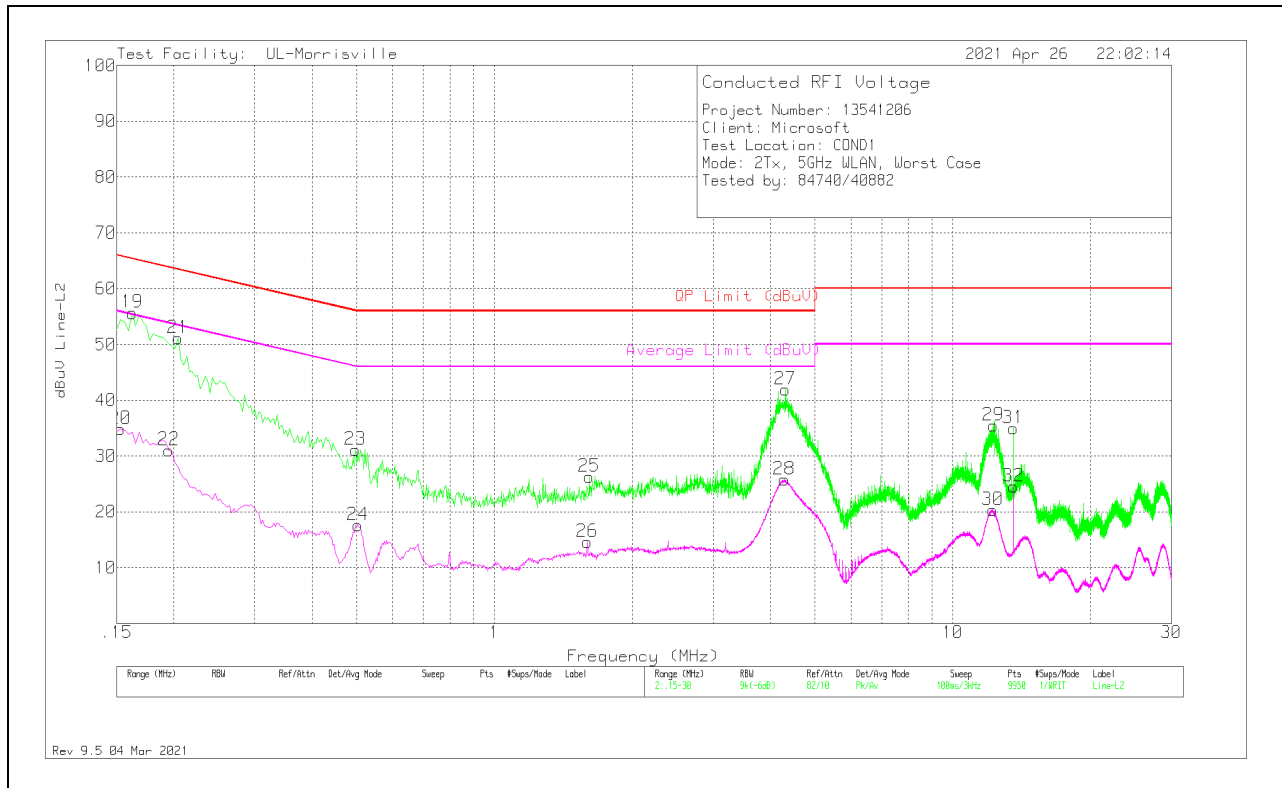
LINE 1 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.153	47.1	Pk	.2	9.8	57.1	65.84	-8.74	-	-
2	.153	26.12	Av	.2	9.8	36.12	-	-	55.84	-19.72
3	.18	43.89	Pk	.2	9.8	53.89	64.49	-10.6	-	-
4	.192	25.25	Av	.2	9.8	35.25	-	-	53.95	-18.7
5	.252	35.66	Pk	.1	9.8	45.56	61.69	-16.13	-	-
6	.249	13.74	Av	.1	9.8	23.64	-	-	51.79	-28.15
7	.504	21.39	Pk	0	9.8	31.19	56	-24.81	-	-
8	.507	8.94	Av	0	9.8	18.74	-	-	46	-27.26
9	1.596	12.42	Pk	0	9.8	22.22	56	-33.78	-	-
10	1.596	4.5	Av	0	9.8	14.3	-	-	46	-31.7
11	1.596	12.42	Pk	0	9.8	22.22	56	-33.78	-	-
12	1.596	4.5	Av	0	9.8	14.3	-	-	46	-31.7
13	4.236	30.08	Pk	0	9.9	39.98	56	-16.02	-	-
14	4.26	15.76	Av	0	9.9	25.66	-	-	46	-20.34
15	12.36	23.7	Pk	.1	10	33.8	60	-26.2	-	-
16	12.375	9.59	Av	.1	10	19.69	-	-	50	-30.31
17	13.56	24.2	Pk	.1	10.1	34.4	60	-25.6	-	-
18	13.56	12.59	Av	.1	10.1	22.79	-	-	50	-27.21

Pk - Peak detector
 Av - Average detector

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VCF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
19	.162	45.65	Pk	.2	9.8	55.65	65.36	-9.71	-	-
20	.153	24.89	Av	.2	9.8	34.89	-	-	55.84	-20.95
21	.204	41.08	Pk	.2	9.8	51.08	63.45	-12.37	-	-
22	.195	21.06	Av	.2	9.8	31.06	-	-	53.82	-22.76
23	.498	21.28	Pk	.1	9.8	31.18	56.03	-24.85	-	-
24	.504	7.74	Av	.1	9.8	17.64	-	-	46	-28.36
25	1.611	16.44	Pk	0	9.8	26.24	56	-29.76	-	-
26	1.596	4.85	Av	0	9.8	14.65	-	-	46	-31.35
27	4.311	31.91	Pk	.1	9.9	41.91	56	-14.09	-	-
28	4.293	15.76	Av	.1	9.9	25.76	-	-	46	-20.24
29	12.267	25.35	Pk	.1	10	35.45	60	-24.55	-	-
30	12.237	10.18	Av	.1	10	20.28	-	-	50	-29.72
31	13.56	24.78	Pk	.1	10.1	34.98	60	-25.02	-	-
32	13.56	14.38	Av	.1	10.1	24.58	-	-	50	-25.42

Pk - Peak detector
 Av - Average detector

12. SETUP PHOTOS

Please refer to R13541206-EP2 for setup photos.

END OF TEST REPORT