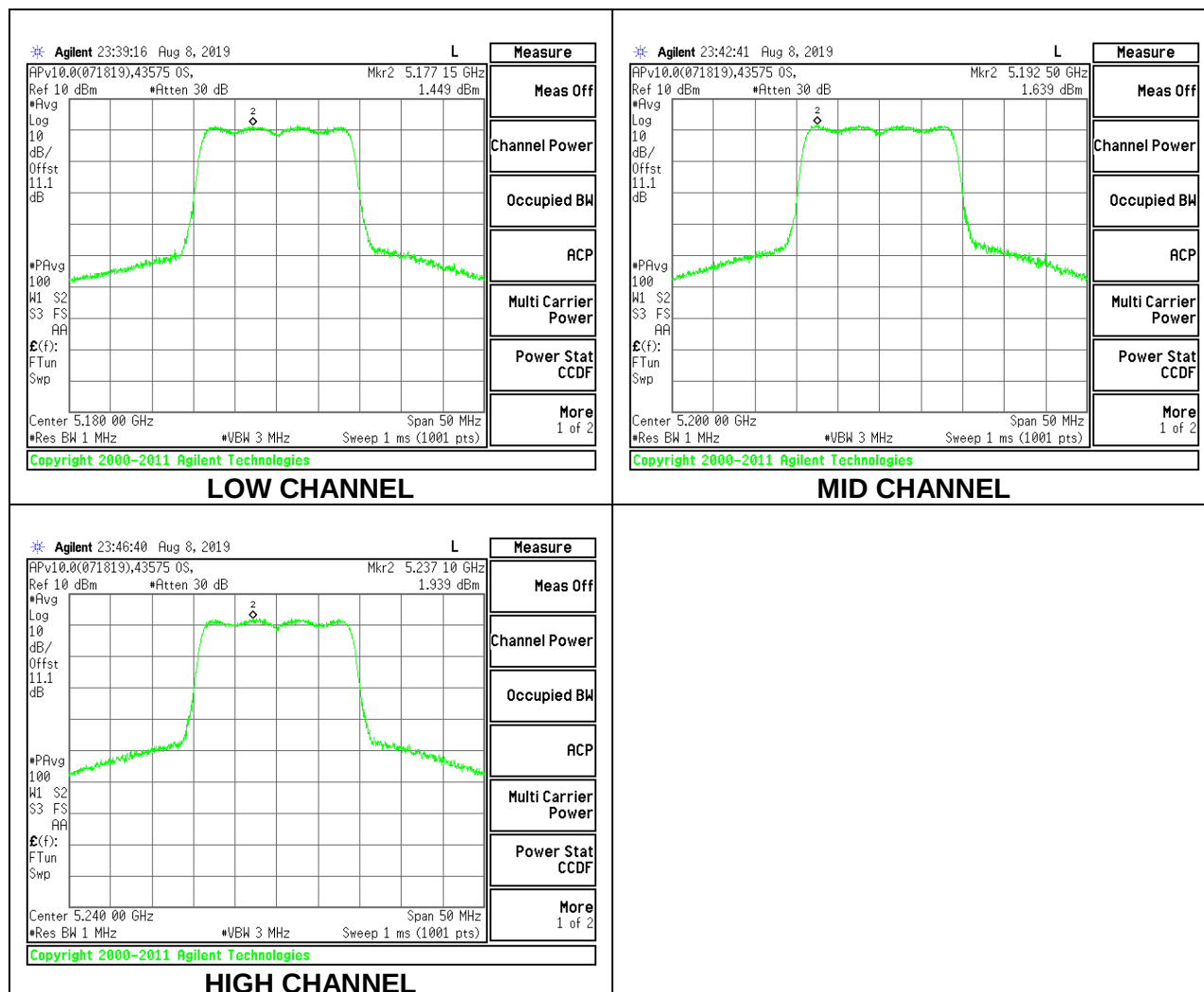




2TX Antenna 1 + Antenna 2 CDD MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	3.60	6.61	24.00	10.39
Mid	5200	3.60	6.61	24.00	10.39
High	5240	3.60	6.61	24.00	10.39

Duty Cycle CF (dB)	0.18	Included in Calculations of Corr'd Power & PSD
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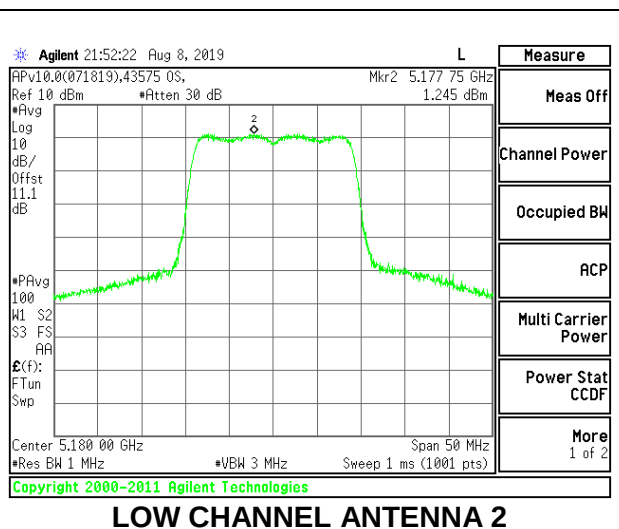
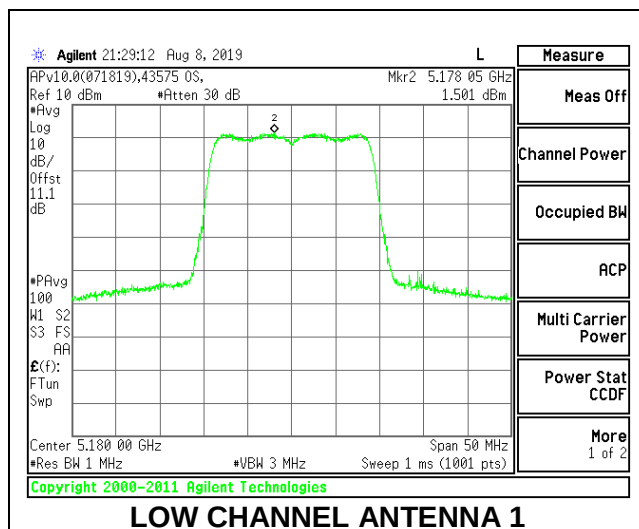
Output Power Results

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	5180	12.52	12.79	15.67	24.00	-8.33
Mid	5200	11.77	12.82	15.34	24.00	-8.66
High	5240	11.02	12.89	15.07	24.00	-8.93

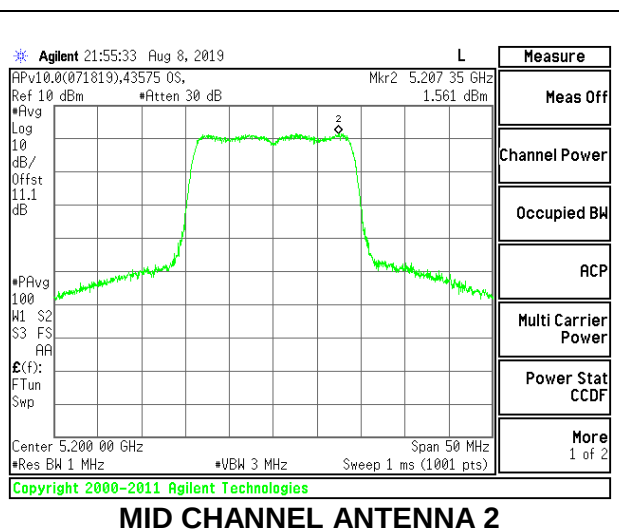
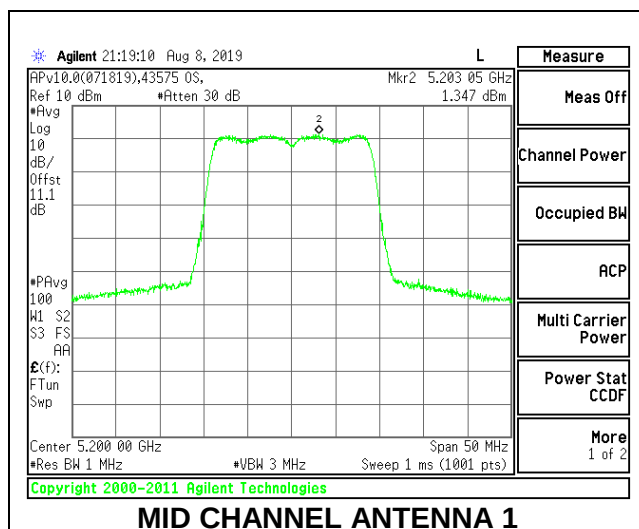
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/1MHz)	Antenna 2 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	1.50	1.25	4.57	10.39	-5.82
Mid	5200	1.35	1.56	4.65	10.39	-5.74
High	5240	1.42	2.20	5.02	10.39	-5.37

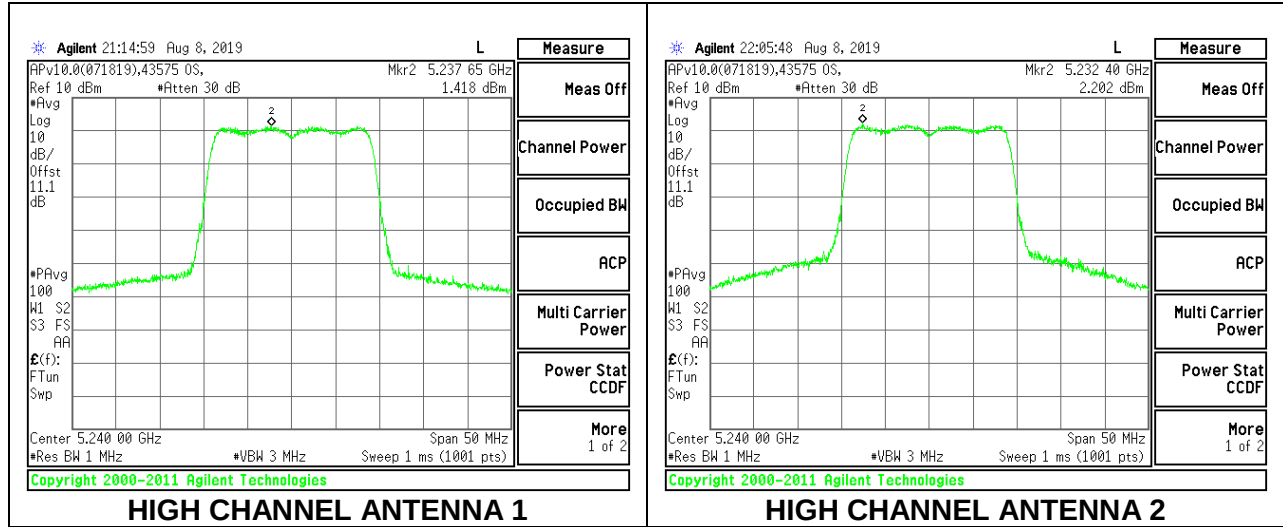
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



8.5.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	3.60	24.00	11.00
High	5230	3.60	24.00	11.00

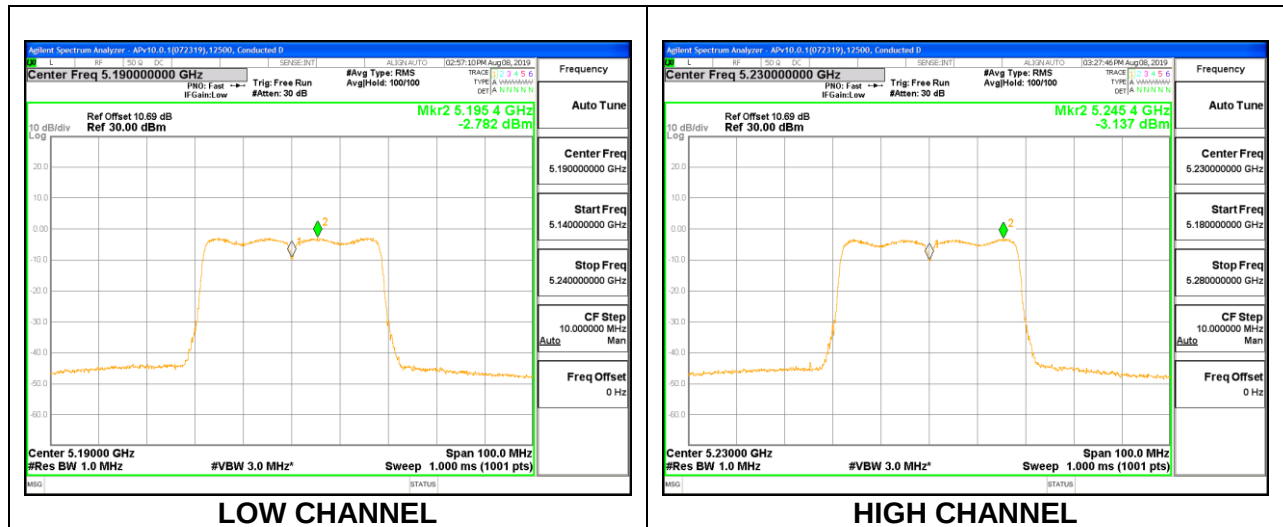
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	12.48	12.48	24.00	-11.52
High	5230	11.21	11.21	24.00	-12.79

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	-2.78	-2.59	11.00	-13.59
High	5230	-3.14	-2.95	11.00	-13.95



1TX Antenna 2 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	3.60	24.00	11.00
High	5230	3.60	24.00	11.00

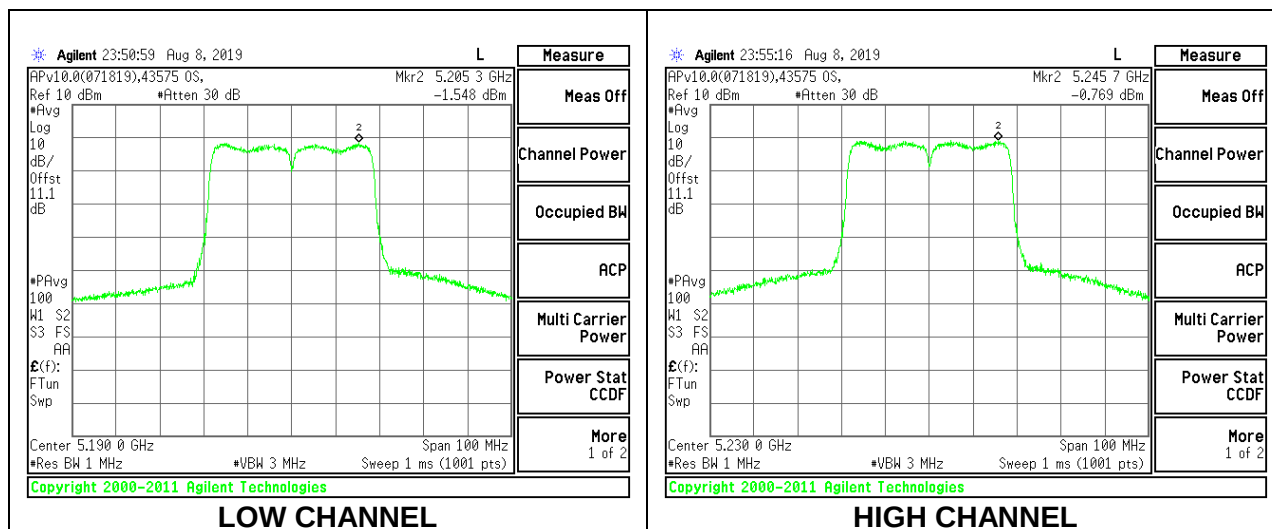
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	12.54	12.54	24.00	-11.46
High	5230	12.86	12.86	24.00	-11.14

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	-1.55	-1.36	11.00	-12.36
High	5230	-0.77	-0.58	11.00	-11.58



2TX Antenna 1 + Antenna 2 CDD MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	3.60	6.61	24.00	10.39
High	5230	3.60	6.61	24.00	10.39

Duty Cycle CF (dB)	0.35	Included in Calculations of Corr'd Power & PSD
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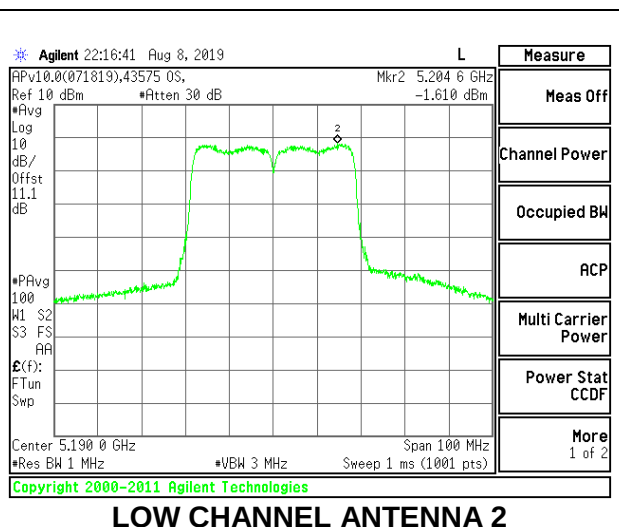
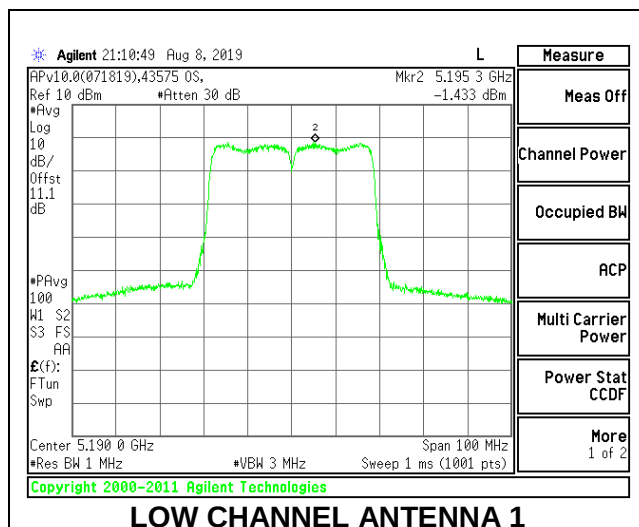
Output Power Results

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	5190	12.47	12.60	15.55	24.00	-8.45
High	5230	11.15	12.67	14.99	24.00	-9.01

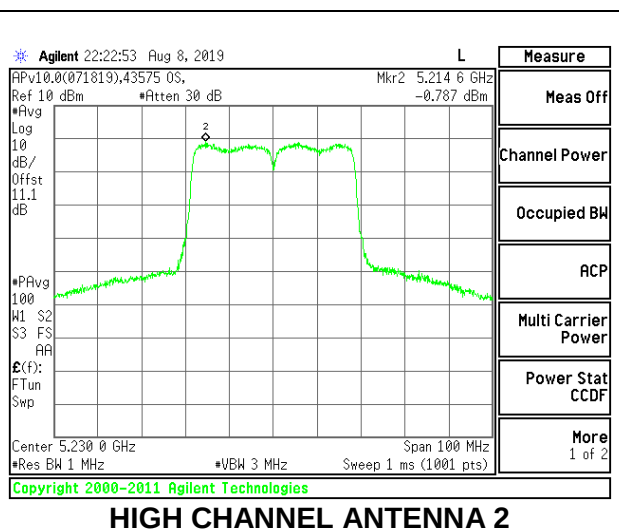
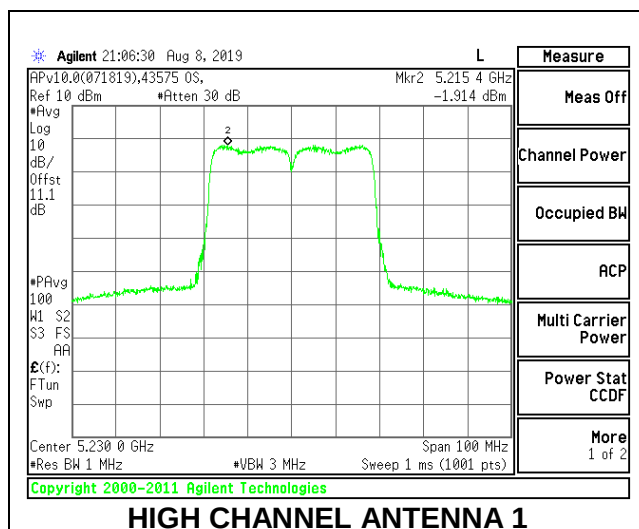
PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	-1.43	-1.61	1.84	10.39	-8.55
High	5230	-1.91	-0.79	2.05	10.39	-8.34

LOW CHANNEL



HIGH CHANNEL



8.5.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	3.60	24.00	11.00

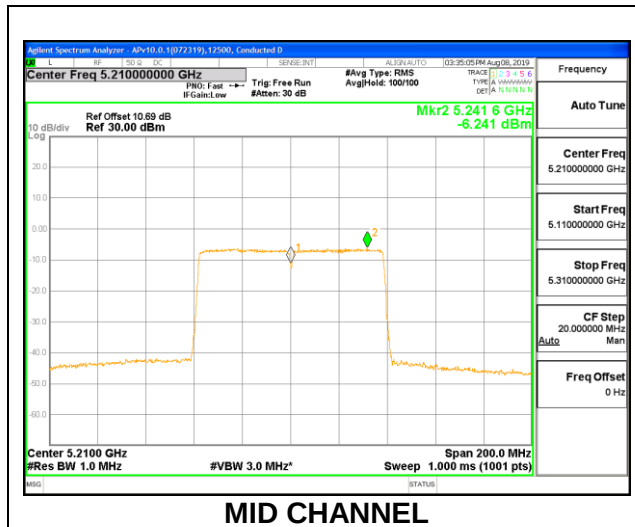
Duty Cycle CF (dB)	0.40	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	10.69	10.69	24.00	-13.31

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-6.24	-5.84	11.00	-16.84



1TX Antenna 2 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency	Directional Gain	Power Limit	PSD Limit
	(MHz)	(dBi)	(dBm)	(dBm/1MHz)
Mid	5210	3.60	24.00	11.00

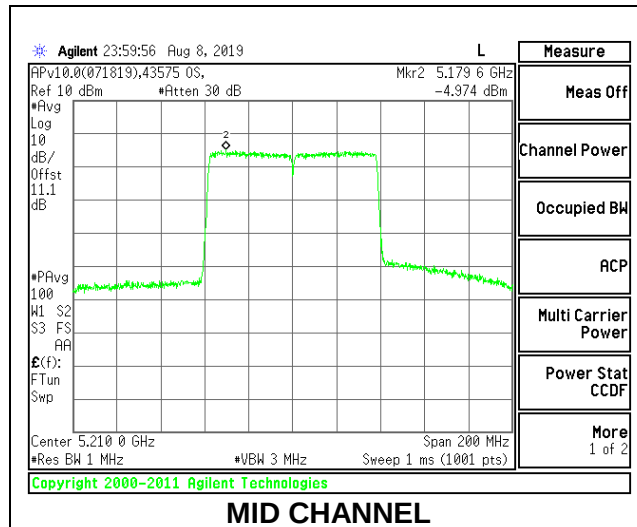
Duty Cycle CF (dB)	0.40	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency	Meas Power	Total Corr'd Power	Power Limit	Power Margin
	(MHz)	(dBm)	(dBm)	(dBm)	(dB)
Mid	5210	10.94	10.94	24.00	-13.06

PSD Results

Channel	Frequency	Meas PSD	Total Corr'd PSD	PSD Limit	PSD Margin
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dB)
Mid	5210	-4.97	-4.57	11.00	-15.57



2TX Antenna 1 + Antenna 2 CDD MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	3.60	6.61	24.00	10.39

Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd Power & PSD
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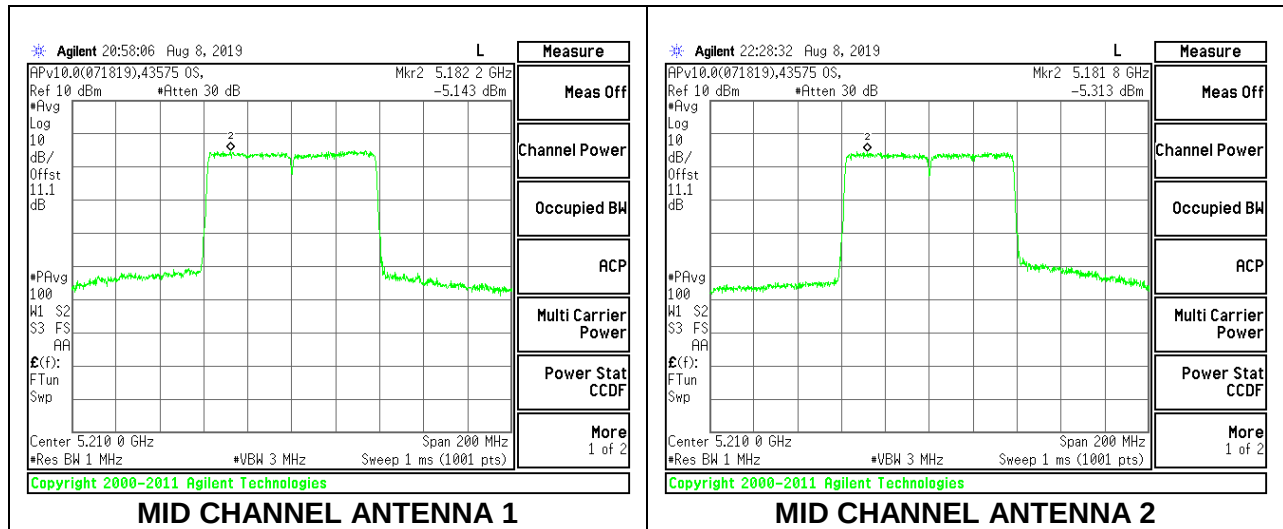
Output Power Results

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	5210	10.77	10.82	13.81	24.00	-10.19

PSD Results

Channel	Frequency (MHz)	Antenna 1 Meas PSD (dBm/ 1MHz)	Antenna 2 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	-5.14	-5.31	-1.95	10.39	-12.34

MID CHANNEL



8.5.4. 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	2.70	30.00	30.00
Mid	5785	2.70	30.00	30.00
High	5825	2.70	30.00	30.00

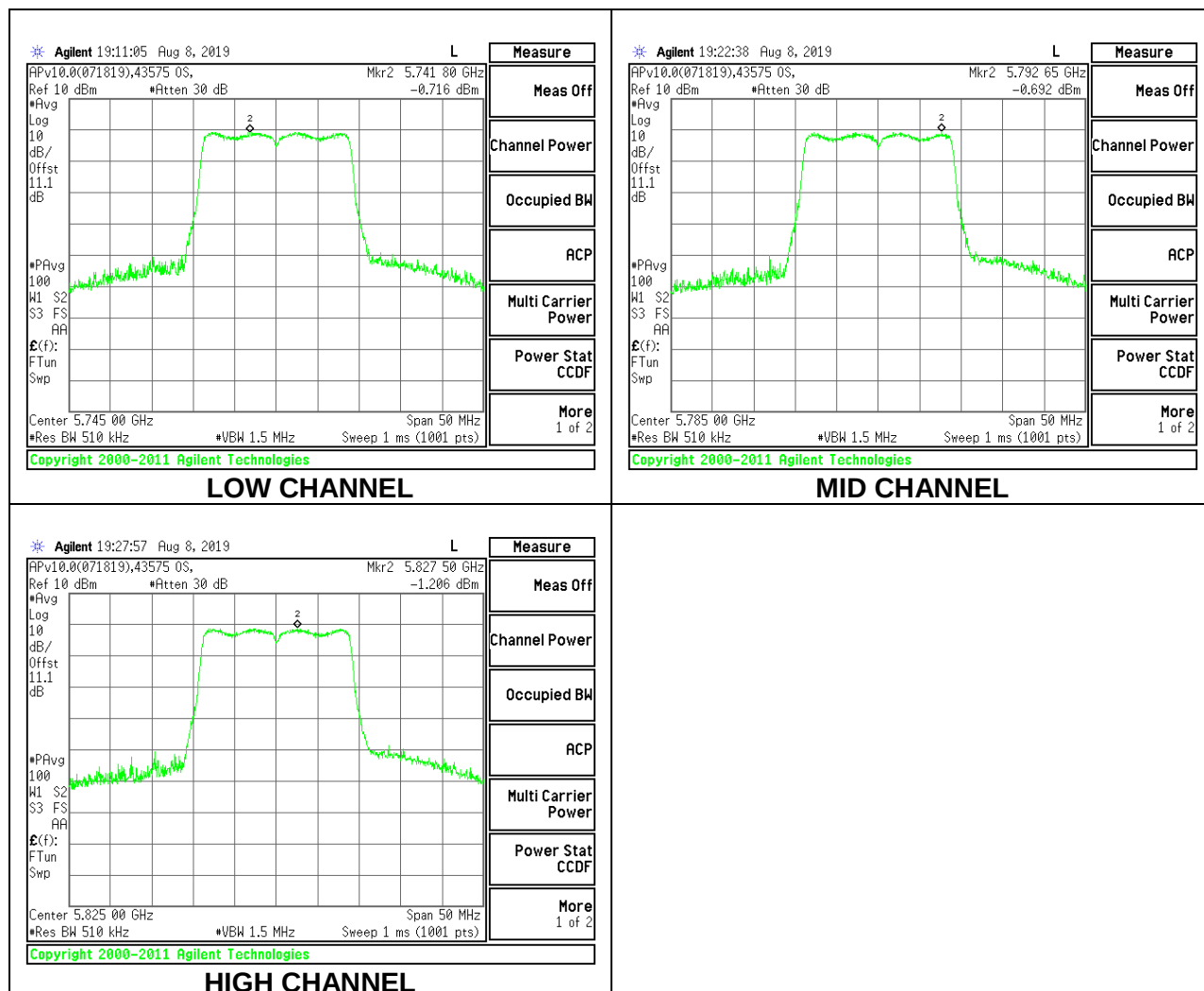
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	9.800	9.800	30.00	-20.20
Mid	5785	9.680	9.680	30.00	-20.32
High	5825	9.500	9.500	30.00	-20.50

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	-0.716	-0.616	30.00	-30.62
Mid	5785	-0.692	-0.592	30.00	-30.59
High	5825	-1.206	-1.106	30.00	-31.11



1TX Antenna 2 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5745	2.70	30.00	30.00
Mid	5785	2.70	30.00	30.00
High	5825	2.70	30.00	30.00

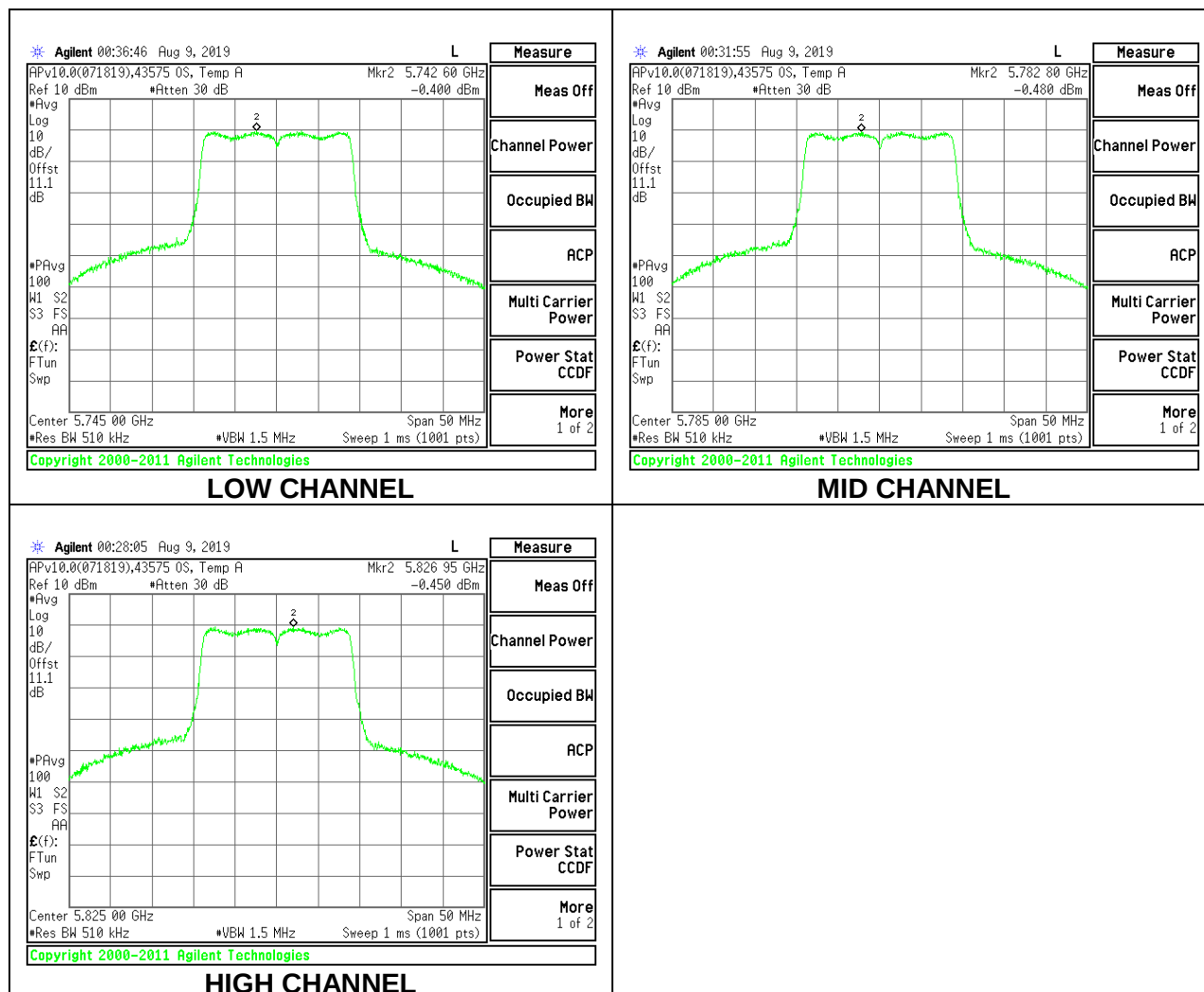
Duty Cycle CF (dB)	0.10	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	9.940	9.940	30.00	-20.06
Mid	5785	9.760	9.760	30.00	-20.24
High	5825	9.640	9.640	30.00	-20.36

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	-0.400	-0.300	30.00	-30.30
Mid	5785	-0.480	-0.380	30.00	-30.38
High	5825	-0.450	-0.350	30.00	-30.35



2TX Antenna 1 + Antenna 2 CDD MODE (FCC)

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	5745	2.70	5.71	30.00	30.00
Mid	5785	2.70	5.71	30.00	30.00
High	5825	2.70	5.71	30.00	30.00

Duty Cycle CF (dB)	0.18	Included in Calculations of Corr'd Power & PSD
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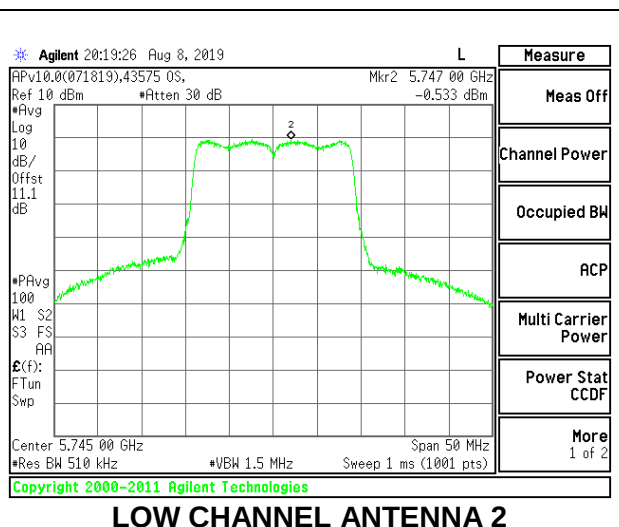
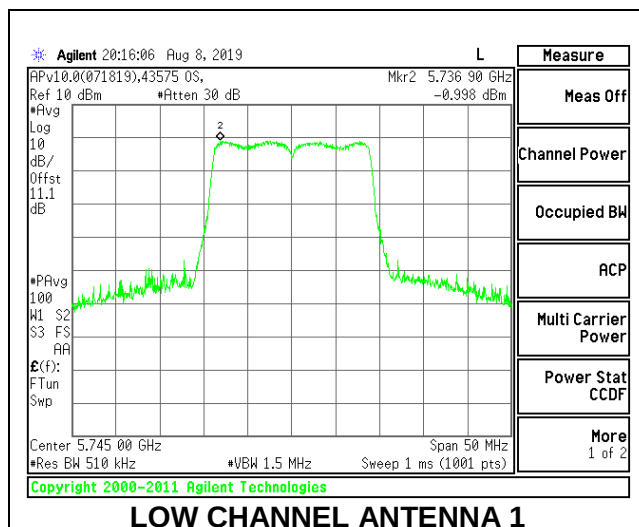
Output Power Results

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	5745	9.78	9.76	12.78	30.00	-17.22
Mid	5785	9.63	9.73	12.69	30.00	-17.31
High	5825	9.41	9.55	12.49	30.00	-17.51

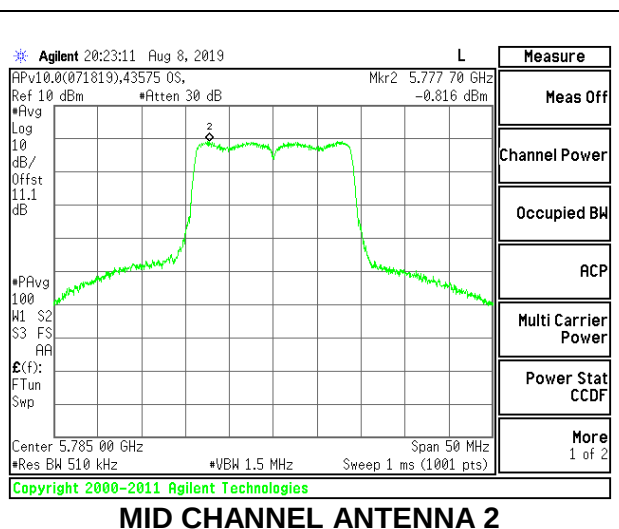
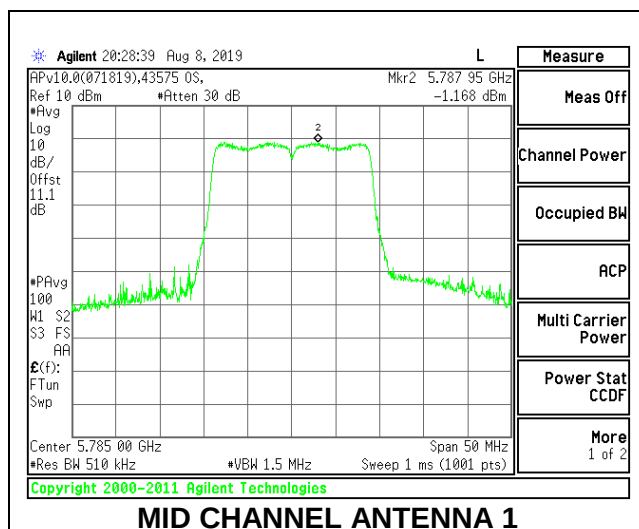
PSD Results

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	5745	-1.00	-0.53	2.43	30.00	-27.57
Mid	5785	-1.17	-0.82	2.20	30.00	-27.80
High	5825	-1.32	-0.67	2.21	30.00	-27.79

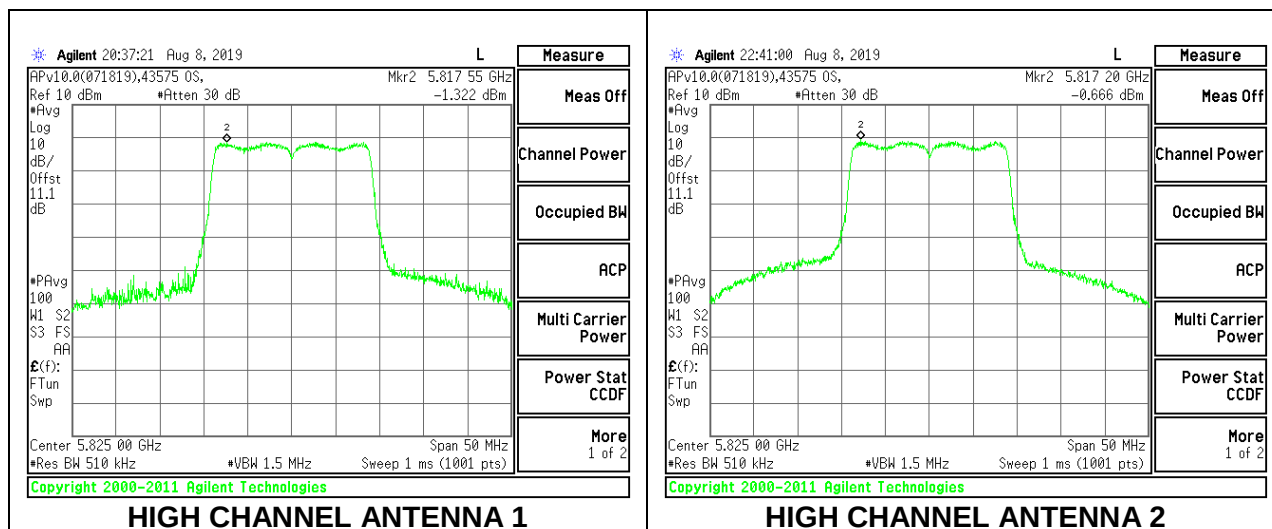
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



8.5.5. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5755	2.70	30.00	30.00
High	5795	2.70	30.00	30.00

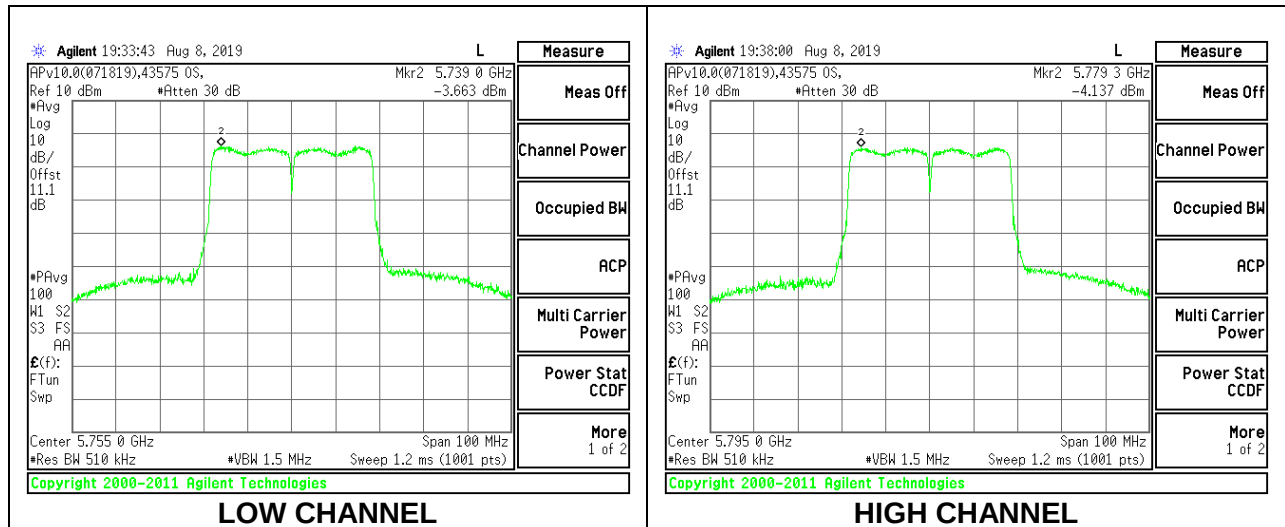
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	9.580	9.580	30.00	-20.42
High	5795	9.460	9.460	30.00	-20.54

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-3.663	-3.473	30.00	-33.47
High	5795	-4.137	-3.947	30.00	-33.95



1TX Antenna 2 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Low	5755	2.70	30.00	30.00
High	5795	2.70	30.00	30.00

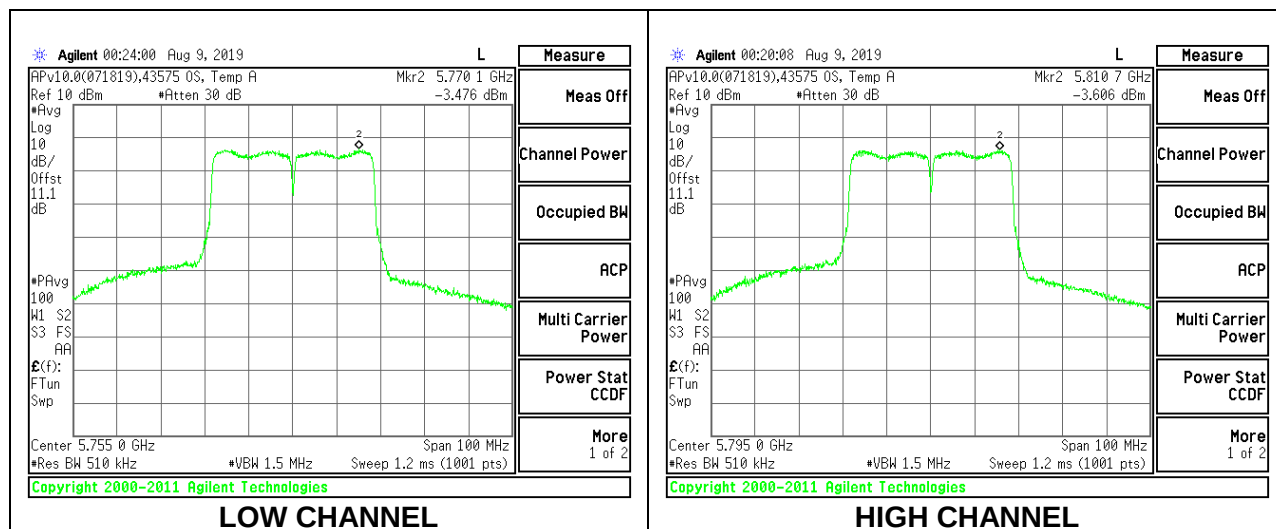
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	9.760	9.760	30.00	-20.24
High	5795	9.690	9.690	30.00	-20.31

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm)	Total Corr'd PSD (dBm)	PSD Limit (dBm)	PSD Margin (dB)
Low	5755	-3.476	-3.286	30.00	-33.29
High	5795	-3.606	-3.416	30.00	-33.42



2TX Antenna 1 + Antenna 2 CDD MODE (FCC)

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	2.70	5.71	30.00	30.00
High	5795	2.70	5.71	30.00	30.00

Duty Cycle CF (dB)	0.35	Included in Calculations of Corr'd Power & PSD
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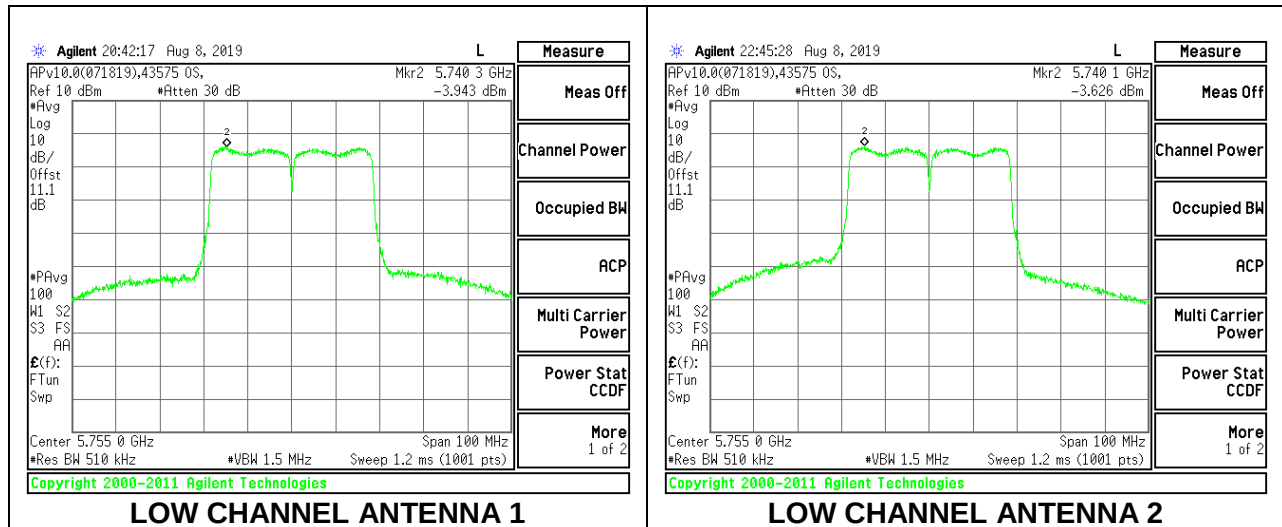
Output Power Results

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	9.53	9.62	12.59	30.00	-17.41
High	5795	9.29	9.44	12.38	30.00	-17.62

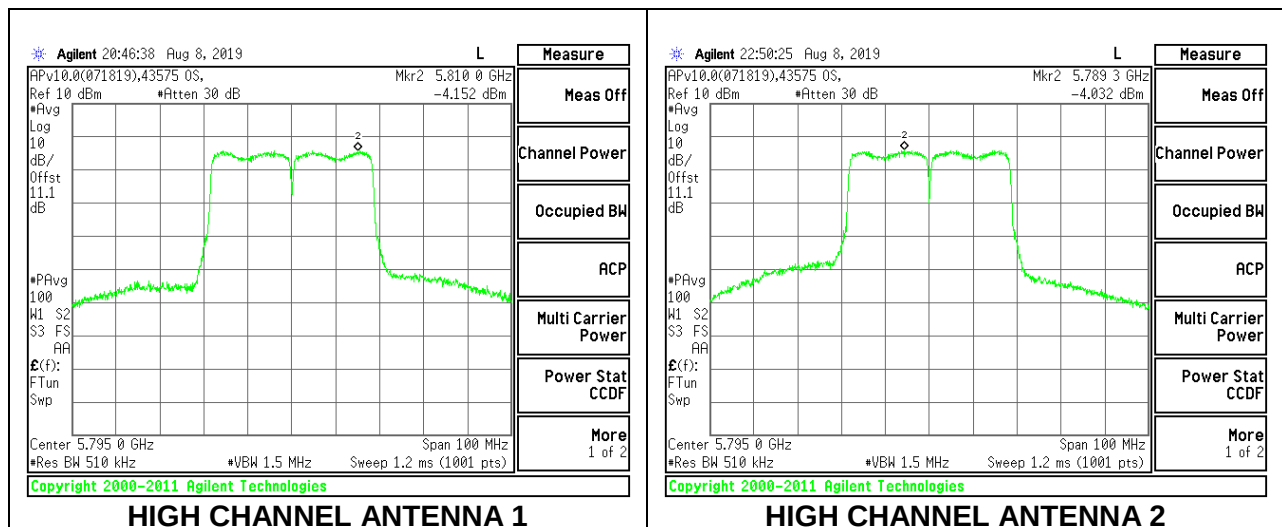
PSD Results

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	-3.94	-3.63	-0.42	30.00	-30.42
High	5795	-4.15	-4.03	-0.73	30.00	-30.73

LOW CHANNEL



HIGH CHANNEL



8.5.6. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Mid	5775	2.70	30.00	30.00

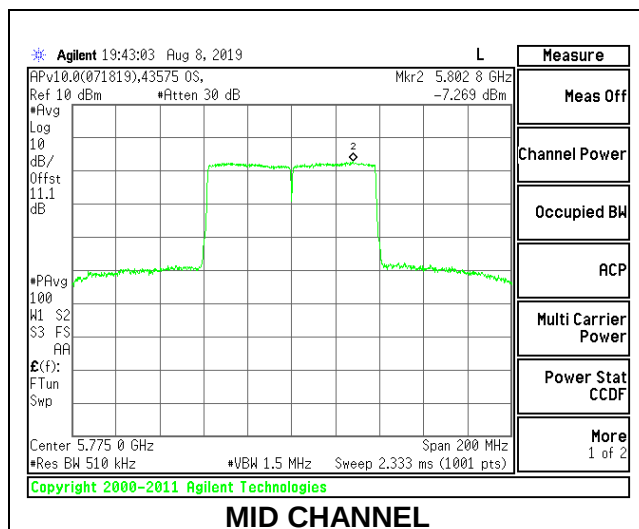
Duty Cycle CF (dB)	0.40	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	9.850	9.850	30.00	-20.15

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-7.269	-6.869	30.00	-36.87



1TX Antenna 2 MODE (FCC)

Antenna Gain and Limit

Channel	Frequency (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 500KHz)
Mid	5775	2.70	30.00	30.00

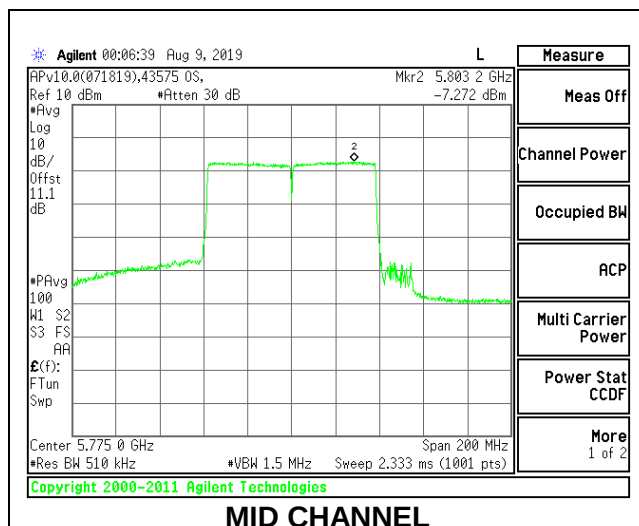
Duty Cycle CF (dB)	0.40	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	9.930	9.930	30.00	-20.07

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-7.272	-6.872	30.00	-36.87



2TX Antenna 1 + Antenna 2 CDD MODE (FCC)

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	5755	2.70	5.71	30.00	30.00

Duty Cycle CF (dB)	0.27	Included in Calculations of Corr'd Power & PSD
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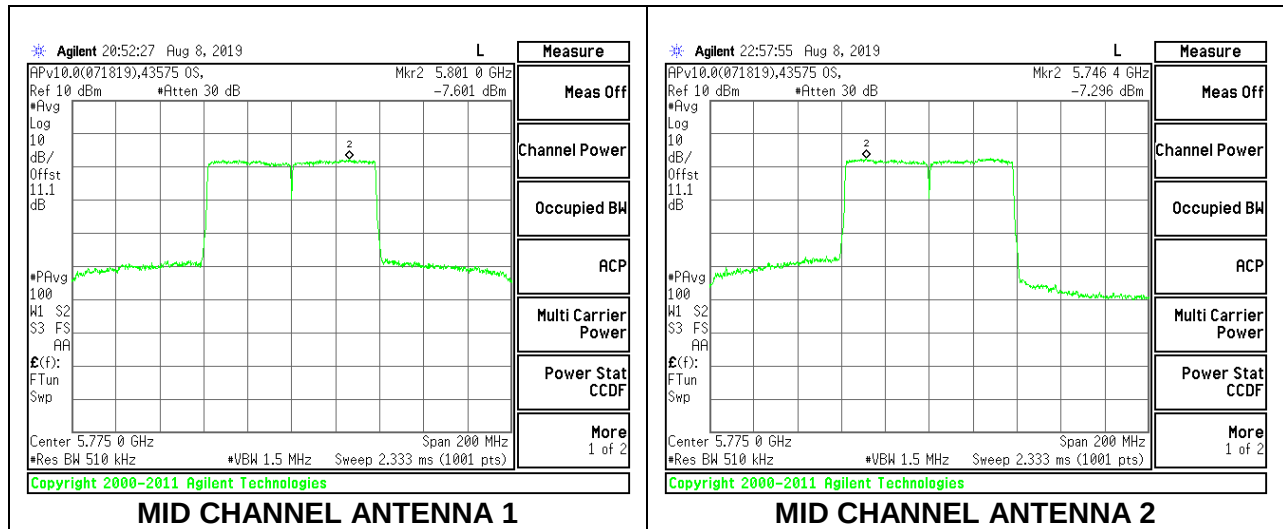
Output Power Results

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	5755	9.74	9.69	12.73	30.00	-17.27

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	-7.60	-7.30	-4.17	30.00	-34.17

MID CHANNEL



9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b)(1-3) -Un-Restricted bands

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

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

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

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

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

The spectrum from 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 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.

2D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

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

Based 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.

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

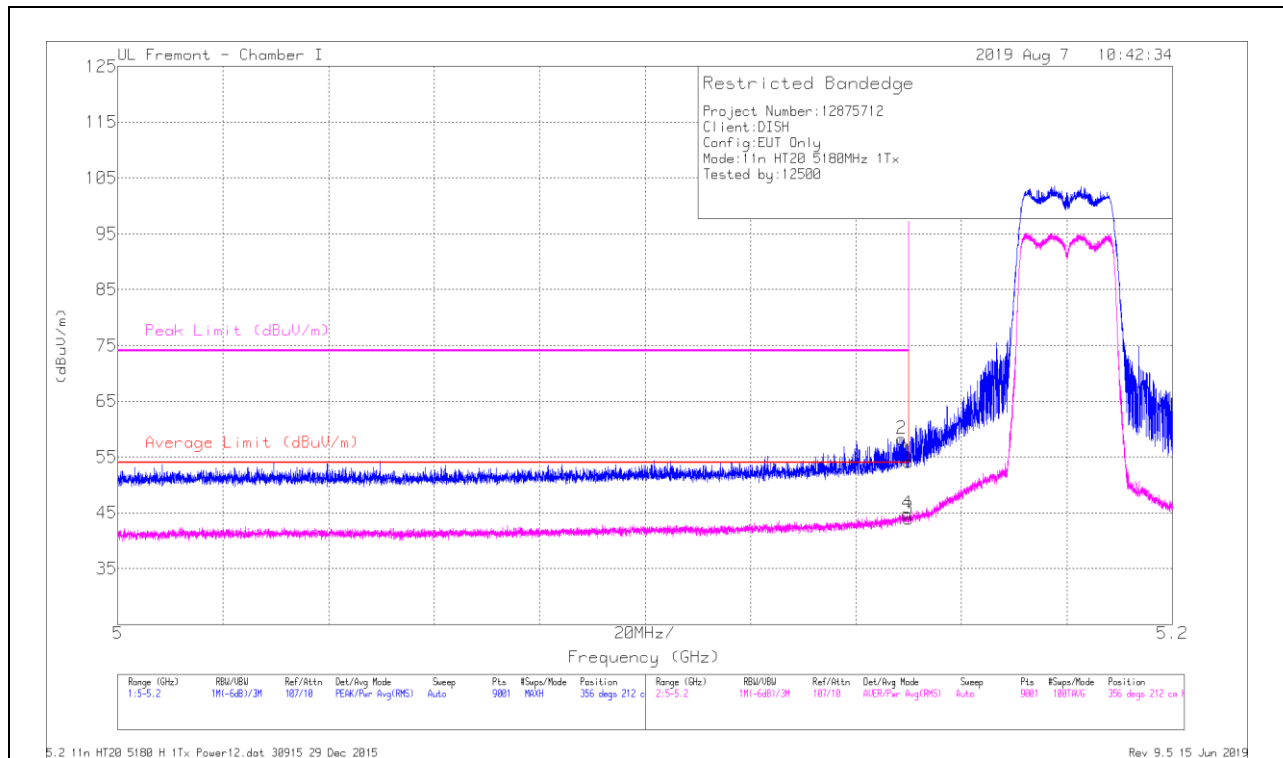
9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



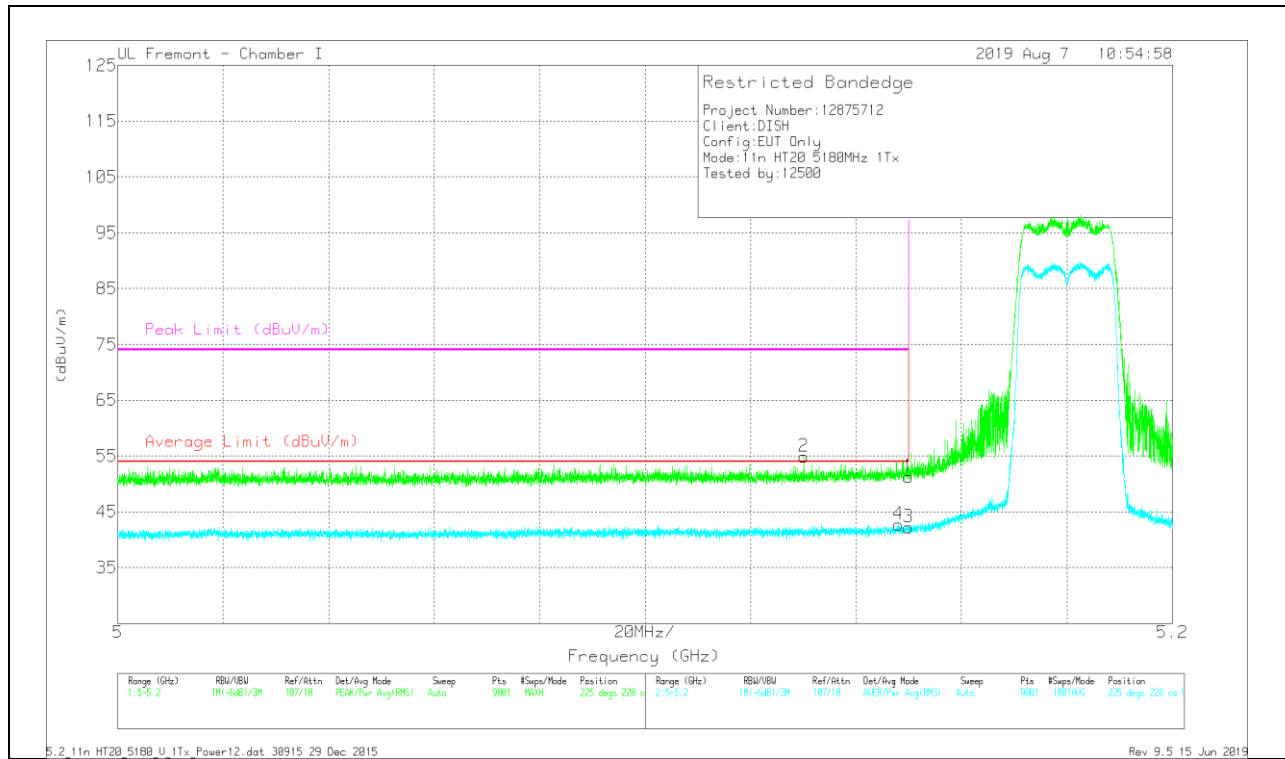
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/CbW/Ftr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.78	Pk	34.4	-19	0	54.18	-	-	74	-19.82	356	212	H
2	* 5.14871	42.86	Pk	34.4	-19	0	58.26	-	-	74	-15.74	356	212	H
3	* 5.15	28.46	RMS	34.4	-19	.1	43.96	54	-10.04	-	-	356	212	H
4	* 5.14973	29.31	RMS	34.4	-19	.1	44.81	54	-9.19	-	-	356	212	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

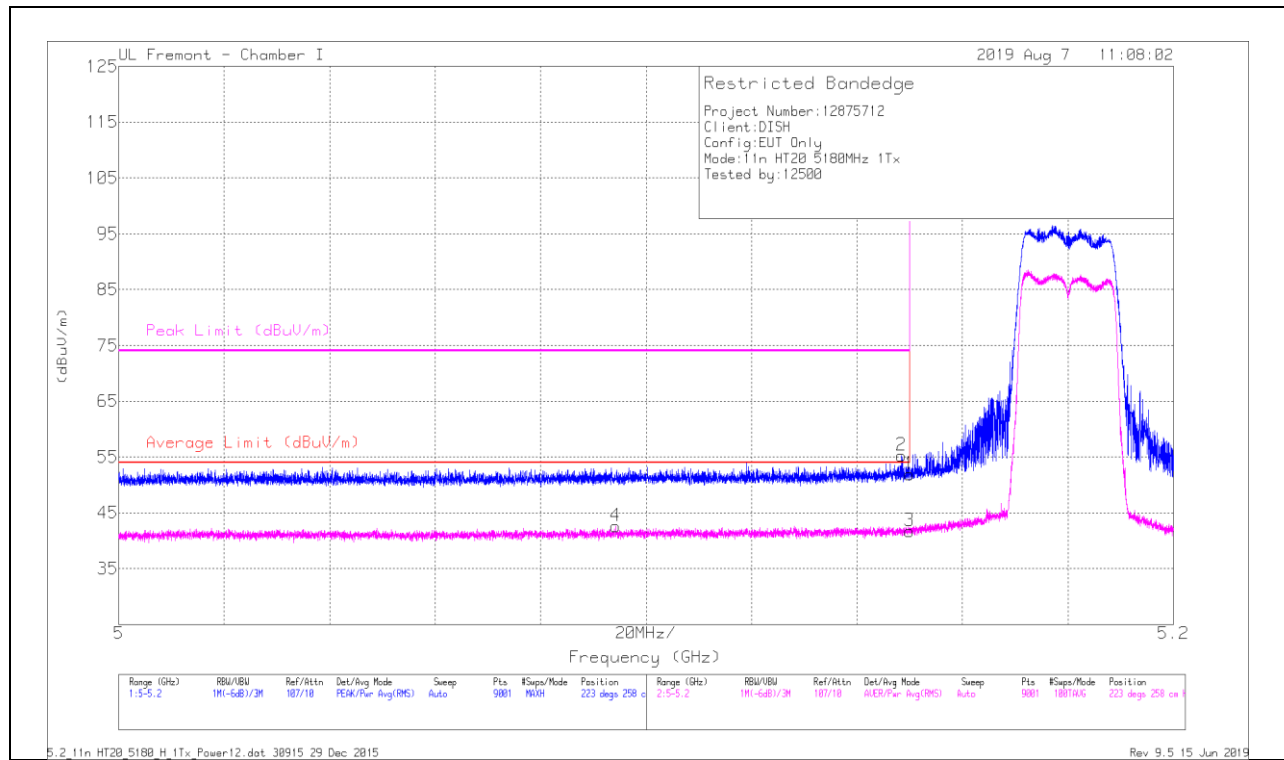


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T662 (dBm)	Amplifier/Pwr d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 5.15	35.91	Pk	34.4	-19	0	51.31	-	-	74	-22.69	225	228	V
2	* 5.13011	39.43	Pk	34.4	-19	0	54.83	-	-	74	-19.17	225	228	V
3	* 5.15	26.72	RMS	34.4	-19	.1	42.22	54	-11.78	-	-	225	228	V
4	* 5.14802	27.18	RMS	34.4	-19	.1	42.68	54	-11.32	-	-	225	228	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 2 MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

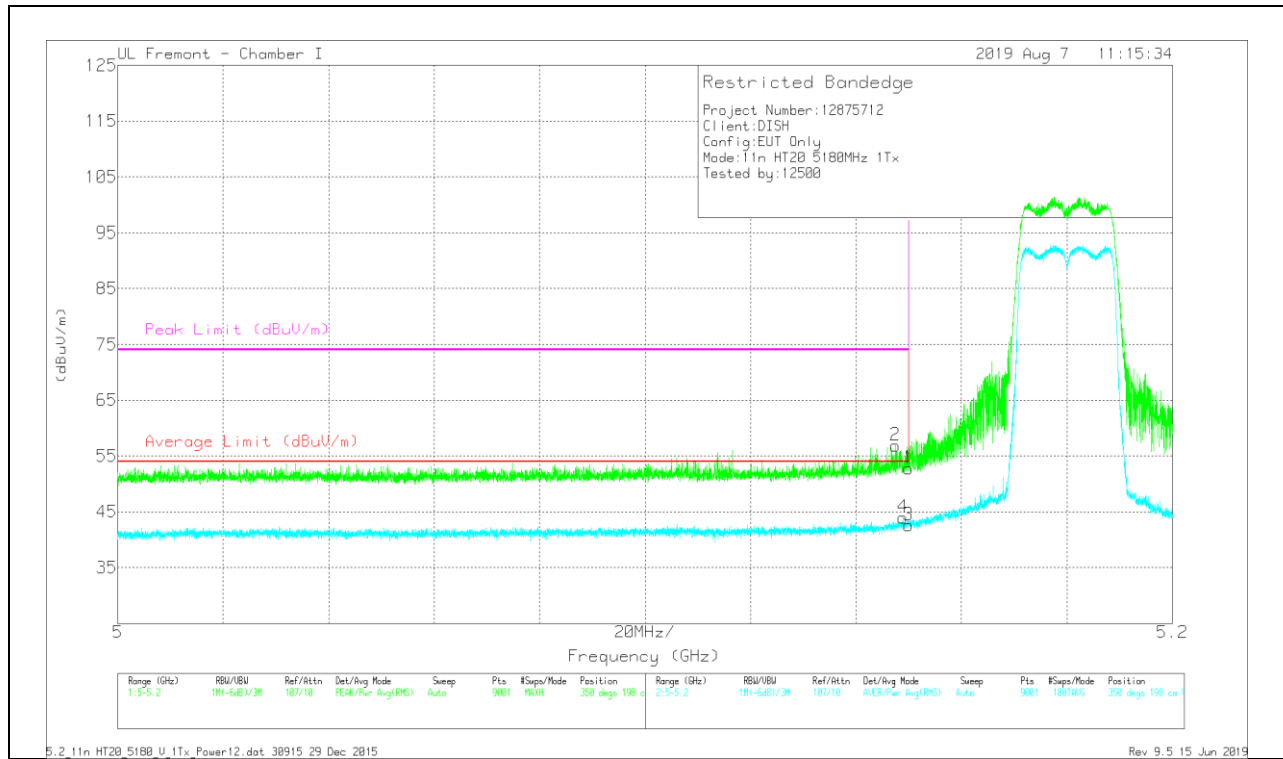
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Ch/IF/Tr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	36.49	Pk	34.4	-19	0	51.89	-	-	74	-22.11	223	258	H
2	* 5.14847	39.82	Pk	34.4	-19	0	55.22	-	-	74	-18.78	223	258	H
3	* 5.15	26.2	RMS	34.4	-19	.1	41.7	54	-12.3	-	-	223	258	H
4	* 5.09422	27.14	RMS	34.3	-19	.1	42.54	54	-11.46	-	-	223	258	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

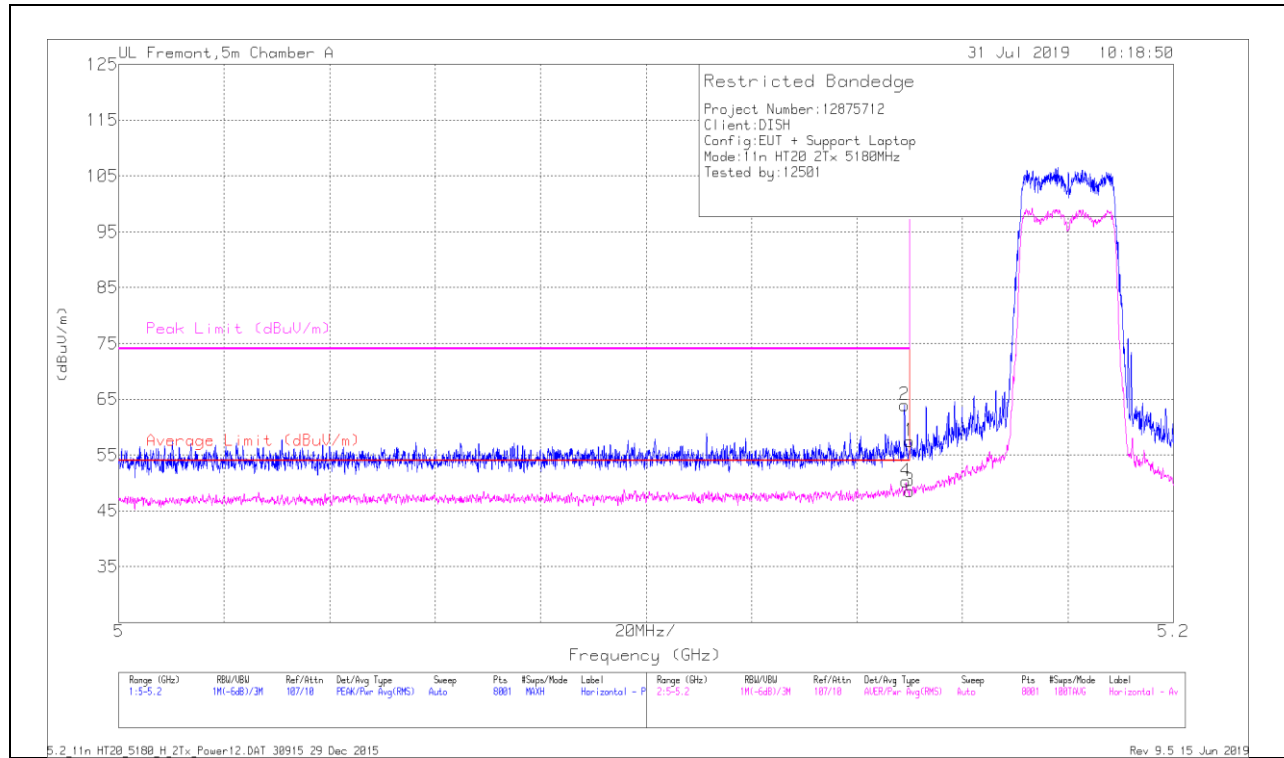


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T662 (dBm)	Ampl/Ch/Int/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 5.15	37.4	Pk	34.4	-19	0	52.8	-	-	74	-21.2	350	198	V
2	* 5.14751	41.62	Pk	34.3	-19	0	56.92	-	-	74	-17.08	350	198	V
3	* 5.15	27.1	RMS	34.4	-19	.1	42.6	54	-11.4	-	-	350	198	V
4	* 5.14889	28.47	RMS	34.4	-19	.1	43.97	54	-10.03	-	-	350	198	V

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

Pk - Peak detector

RMS - RMS detection

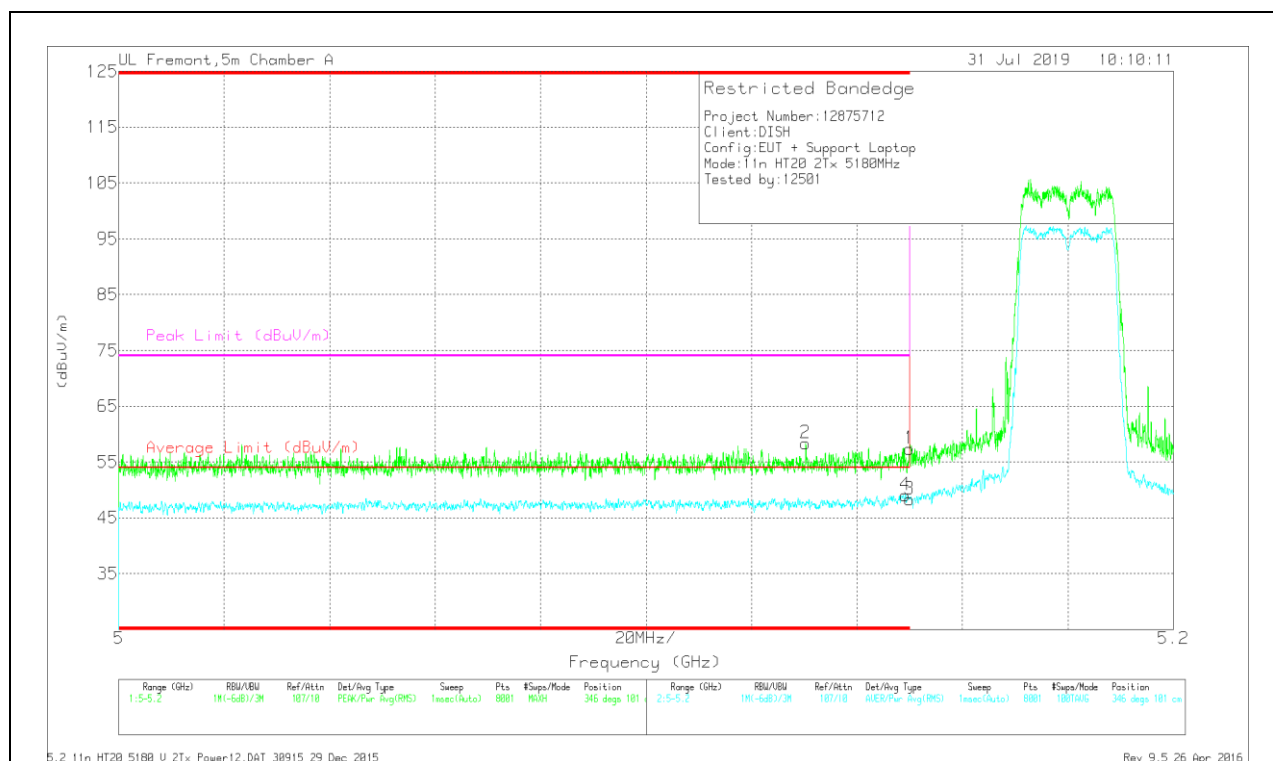
2TX Antenna 1 + Antenna 2 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amp/Cbl/Filtr/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	5.15	40.89	Pk	34.6	-18	0	57.49	-	-	74	-16.51	2	145	H
2	5.149	47.42	Pk	34.5	-18	0	63.92	-	-	74	-10.08	2	145	H
3	5.15	31.8	RMS	34.6	-18	.18	48.58	54	-5.42	-	-	2	145	H
4	5.1493	33.57	RMS	34.5	-18	.18	50.25	54	-3.75	-	-	2	145	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Ampl/Cable/Ftr/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
2	* 5.13	41.81	Pk	34.5	-18	0	59.81	-	-	74	-15.69	346	101	V
4	* 5.149	32.51	RMS	34.5	-18	18	49.19	54	-4.81	-	-	346	101	V
1	5.15	40.74	Pk	34.6	-18	0	57.34	-	-	74	-16.66	346	101	V
3	5.15	31.71	RMS	34.6	-18	18	48.49	54	-5.51	-	-	346	101	V

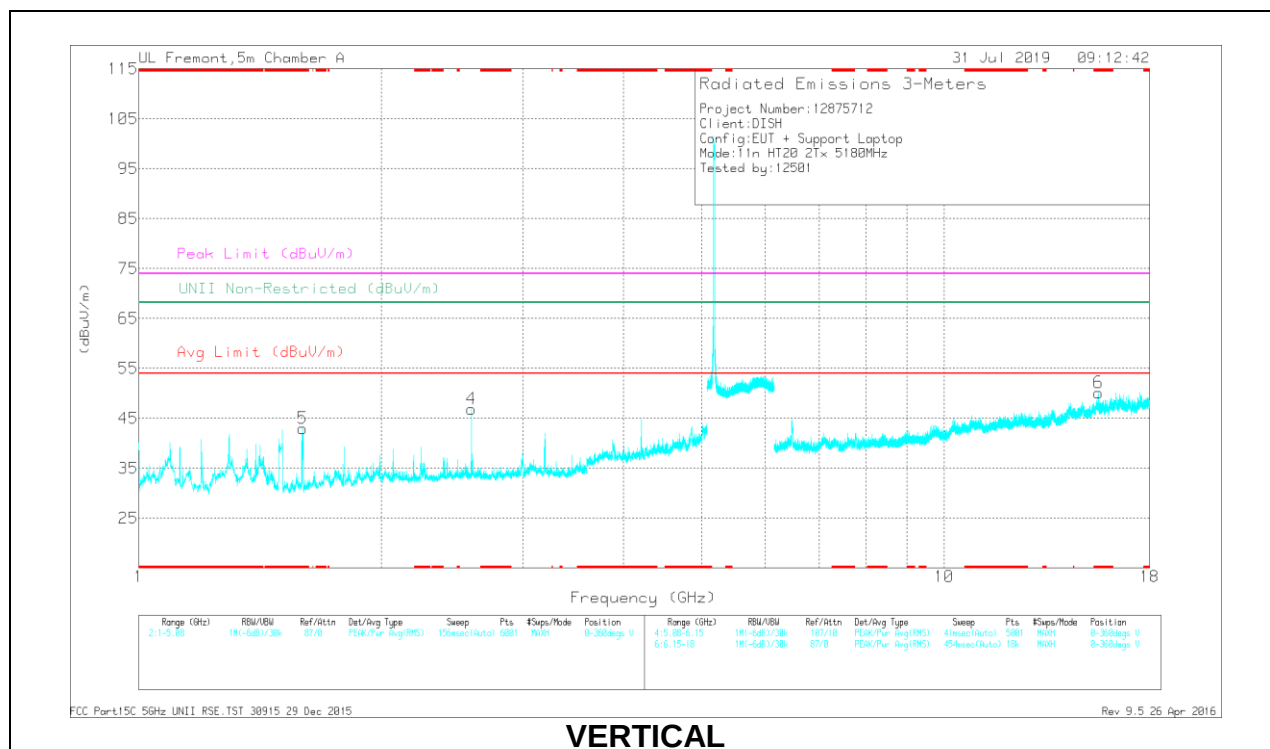
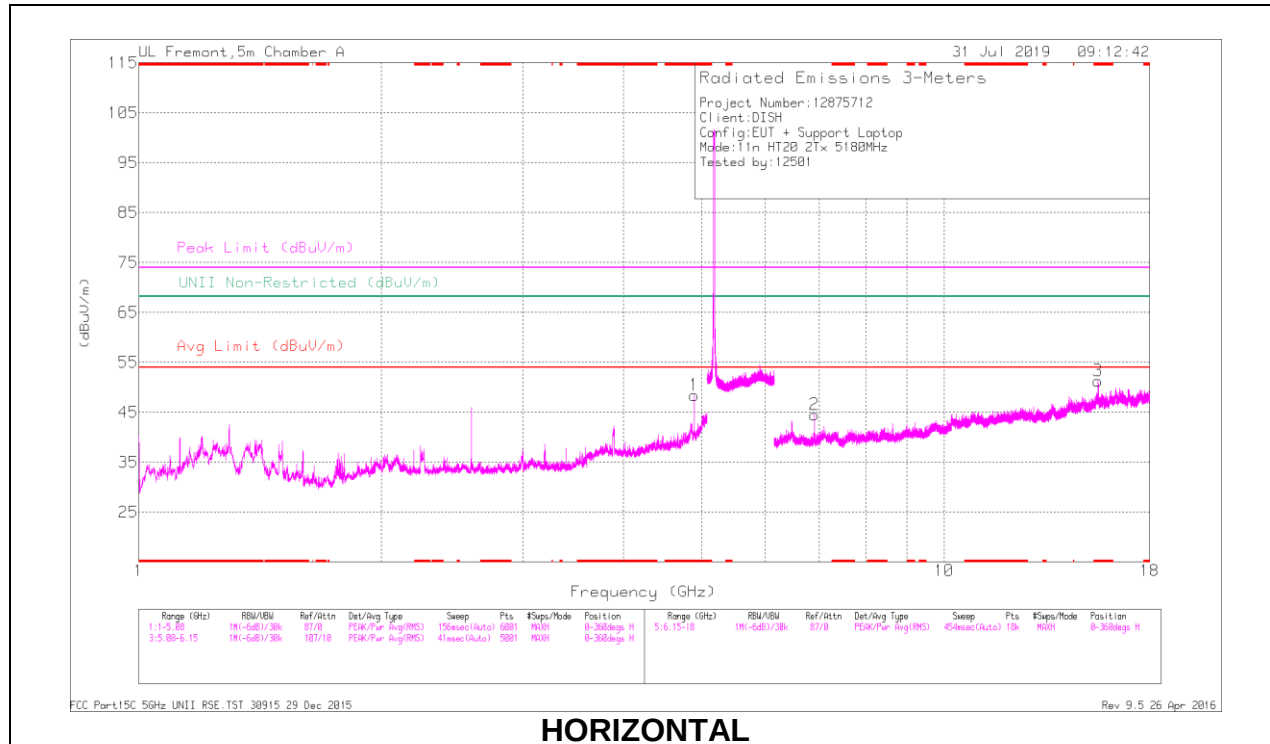
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

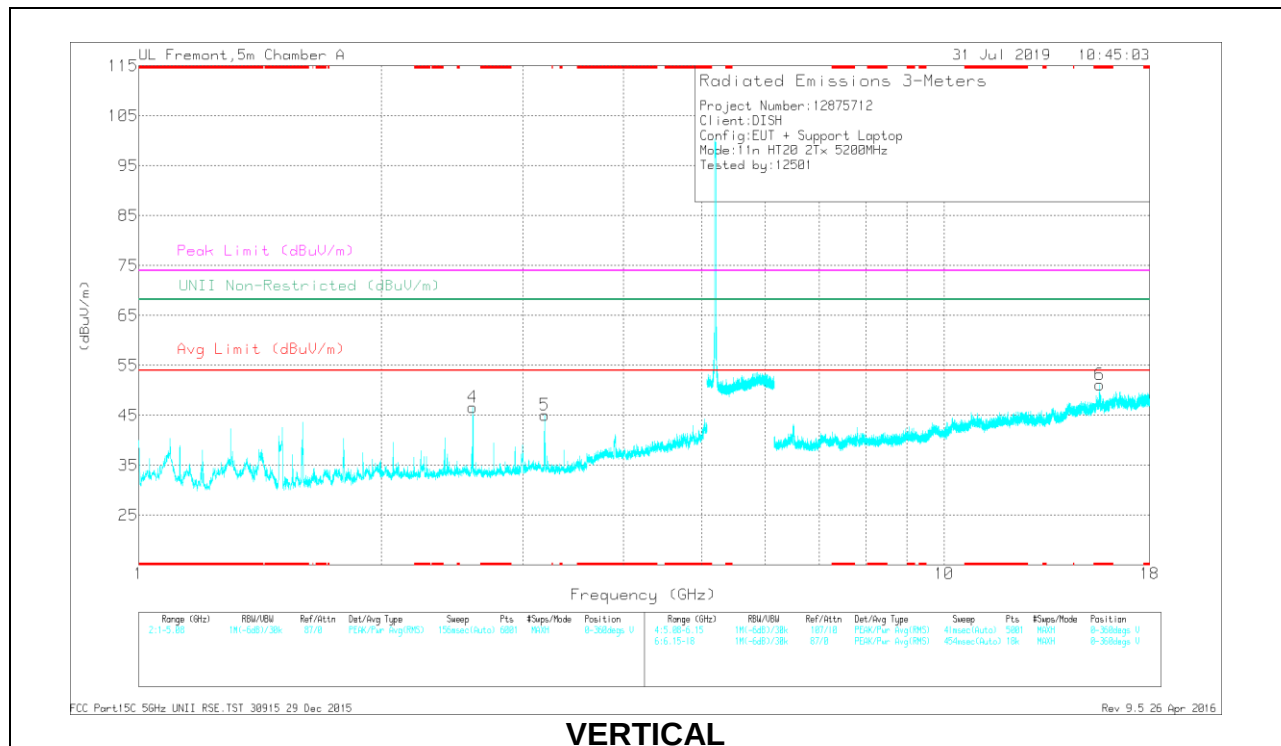
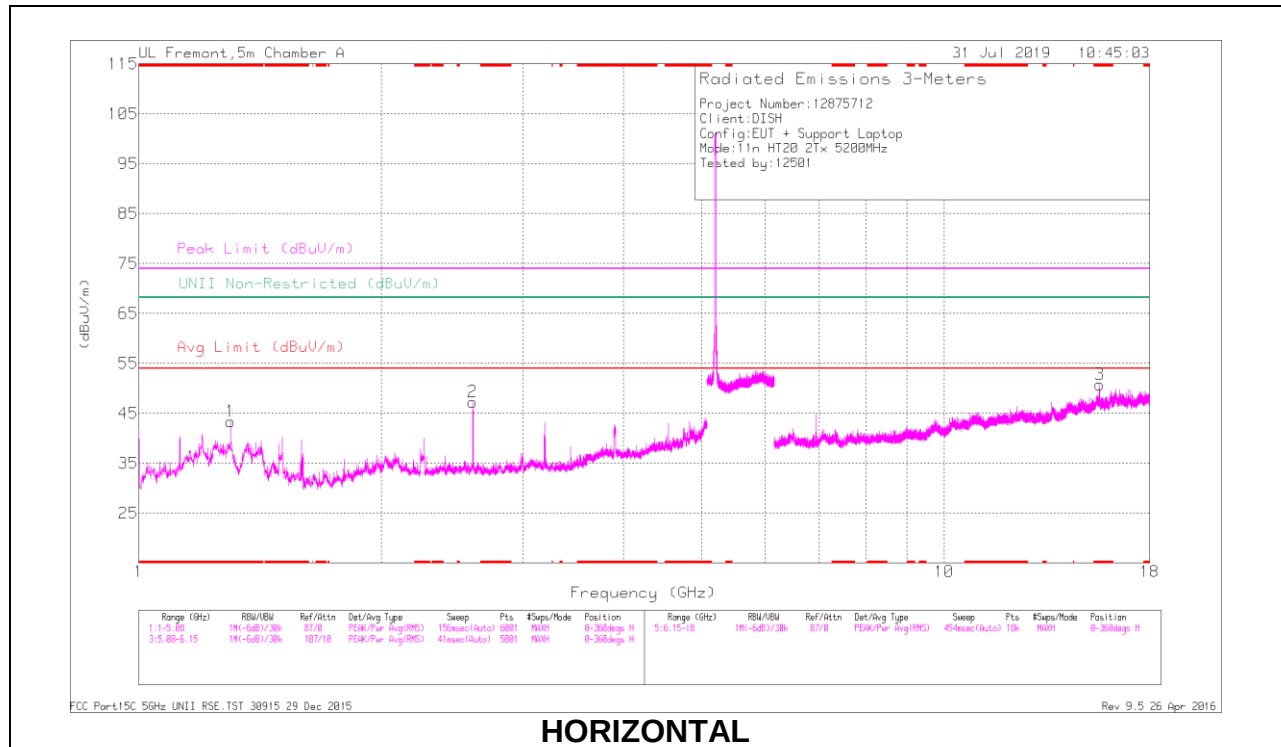
Marker	Frequency (GHz)	Meter Reading (dBμV)	Det	AF T346 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBμV/m)	Avg Limit (dBμV/m)	Margin (dB)	Peak Limit (dBμV/m)	PK Margin (dB)	UNII Non-Restricted (dBμV/m)	PK Margin (dB)	Altitude (Feet)	Height (cm)	Polarity
1	*4.895	39.78	PK-U	34.2	-26.3	0	47.68	-	-	74	-26.32	-	-	15	126	H
	*4.892	29.43	ADR	34.2	-26.2	.18	37.61	54	-16.39	-	-	-	-	15	126	H
5	*1.599	56.88	PK-U	28.1	-31.9	0	53.08	-	-	74	-20.92	-	-	126	195	V
	*1.599	36.14	ADR	28.1	-31.9	.18	32.52	54	-21.48	-	-	-	-	126	195	V
3	*15.53	33.28	PK-U	40.4	-18	0	55.68	-	-	74	-18.32	-	-	103	144	H
	*15.532	23.14	ADR	40.4	-18	.18	45.72	54	-8.28	-	-	-	-	103	144	H
6	*15.544	32.35	PK-U	40.5	-18.3	0	54.55	-	-	74	-19.45	-	-	66	240	V
	*15.545	21.31	ADR	40.5	-18.3	.18	43.69	54	-10.31	-	-	-	-	66	240	V
4	2.59	48.63	PK-U	32.5	-30.1	0	51.03	-	-	-	-	68.2	-17.17	346	228	V
	2.59	42.61	ADR	32.5	-30.1	.18	45.19	-	-	-	-	-	-	346	228	V
2	6.907	38.81	PK-U	35.9	-24.2	0	50.51	-	-	-	-	68.2	-17.69	274	161	H
	6.907	31.2	ADR	35.9	-24.2	.18	43.08	-	-	-	-	-	-	274	161	H

* - 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

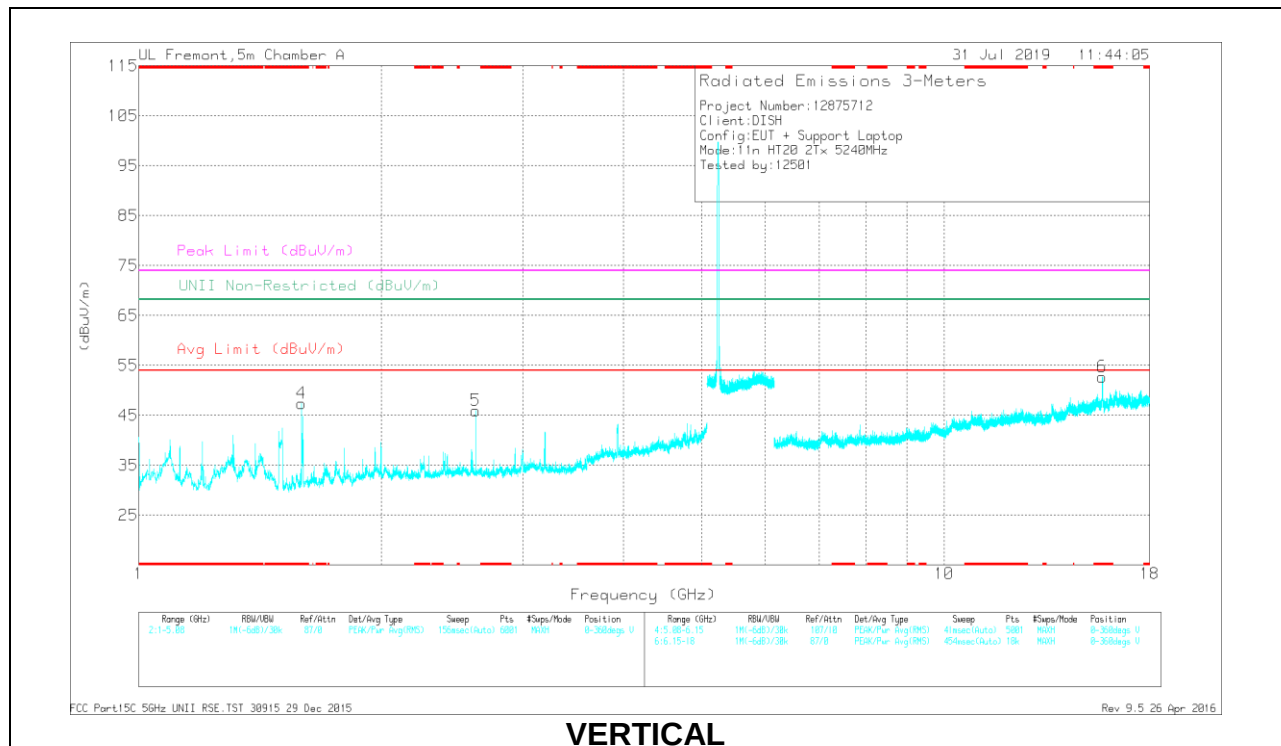
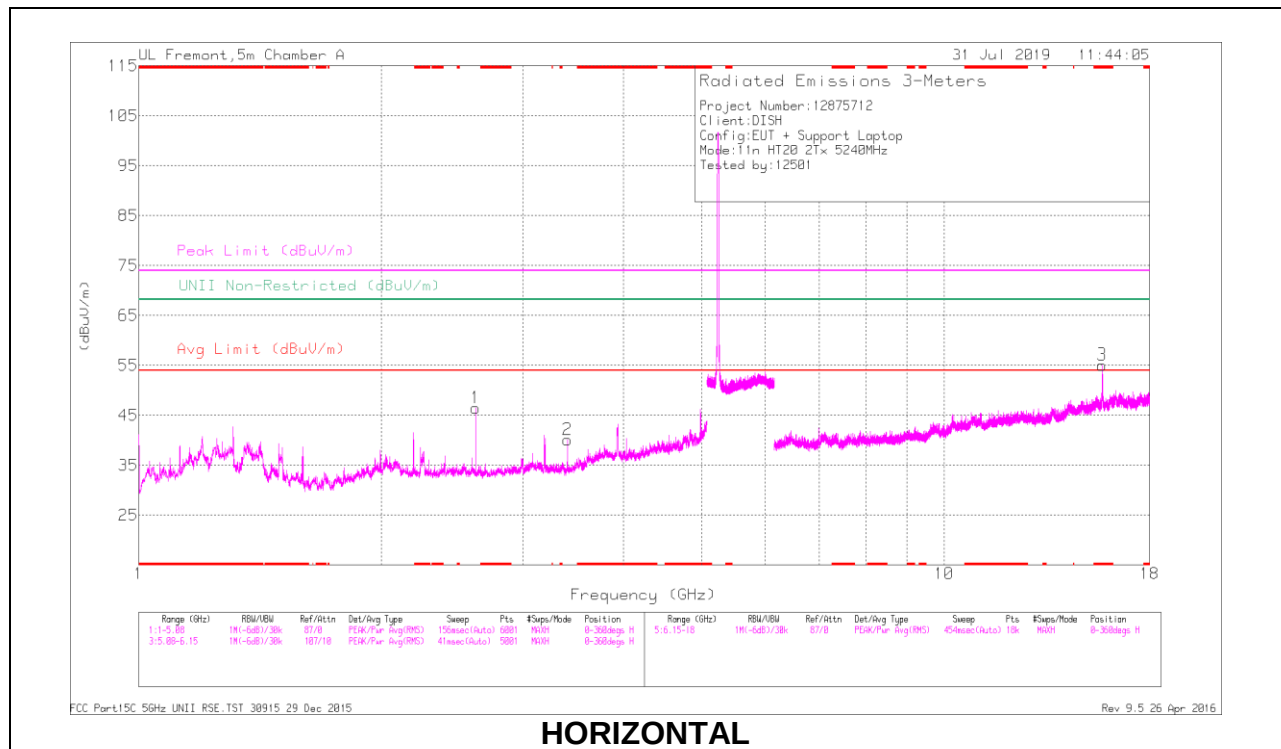
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (cm)	Polarity
1	* 1.3	50	PK-U	28.8	-32.1	0	46.7	-	-	74	-27.3	-	-	292	396	H
	* 1.3	41.98	ADR	28.8	-32.1	.18	38.86	54	-15.14	-	-	-	-	292	396	H
3	* 15.606	34.94	PK-U	40.5	-19	0	56.44	-	-	74	-17.56	-	-	333	210	H
	* 15.604	24.74	ADR	40.5	-19	.18	46.42	54	-7.58	-	-	-	-	333	210	H
6	* 15.609	37.17	PK-U	40.5	-19	0	58.67	-	-	74	-15.33	-	-	107	228	V
	* 15.607	25.36	ADR	40.5	-19	.18	47.04	54	-6.96	-	-	-	-	107	228	V
2	2.6	47.93	PK-U	32.5	-30.2	0	50.23	-	-	-	-	68.2	-17.97	292	200	H
	2.6	43.97	ADR	32.5	-30.2	.18	46.45	-	-	-	-	-	-	292	200	H
4	2.6	48.21	PK-U	32.5	-30.2	0	50.51	-	-	-	-	68.2	-17.69	52	238	V
	2.6	42.74	ADR	32.5	-30.2	.18	45.22	-	-	-	-	-	-	52	238	V
5	3.189	27.94	ADR	32.9	-29.3	.18	31.72	-	-	-	-	-	-	254	291	V
	3.192	46.83	PK-U	32.9	-29.3	0	50.43	-	-	-	-	68.2	-17.77	254	291	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 (GHz)	Meter Reading (dBμV)	Det	AF T346 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBμV/m)	Avg Limit (dBμV/m)	Margin (dB)	Peak Limit (dBμV/m)	PK Margin (dB)	UNII Non-Restricted (dBμV/m)	PK Margin (dB)	Altitude (Feet)	Height (cm)	Polarity
4	* 1.593	53.66	PK-U	28.1	-31.9	0	49.86	-	-	74	-24.14	-	-	109	234	V
	* 1.593	35.93	ADR	28.1	-31.9	.18	32.31	54	-21.69	-	-	-	-	109	234	V
3	* 15.716	41.4	PK-U	40.4	-19	0	62.8	-	-	74	-11.2	-	-	99	181	H
	* 15.717	29.75	ADR	40.4	-19	.18	51.33	54	-2.67	-	-	-	-	99	181	H
6	* 15.729	39.25	PK-U	40.4	-18.8	0	60.85	-	-	74	-13.15	-	-	114	221	V
	* 15.727	27.98	ADR	40.4	-18.8	.18	49.76	54	-4.24	-	-	-	-	114	221	V
1	2.62	46.83	PK-U	32.5	-30.3	0	49.03	-	-	-	-	68.2	-19.17	274	389	H
	2.62	41.16	ADR	32.5	-30.3	.18	43.54	-	-	-	-	-	-	274	389	H
5	2.62	46.04	PK-U	32.5	-30.3	0	48.24	-	-	-	-	68.2	-19.96	319	195	V
	2.62	41.43	ADR	32.5	-30.3	.18	43.81	-	-	-	-	-	-	319	195	V
2	3.404	38.02	PK-U	32.7	-29.2	0	41.52	-	-	-	-	68.2	-26.68	107	102	H
	3.408	26.55	ADR	32.8	-29.1	.18	30.43	-	-	-	-	-	-	107	102	H

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

PK-U - U-NII: Maximum Peak

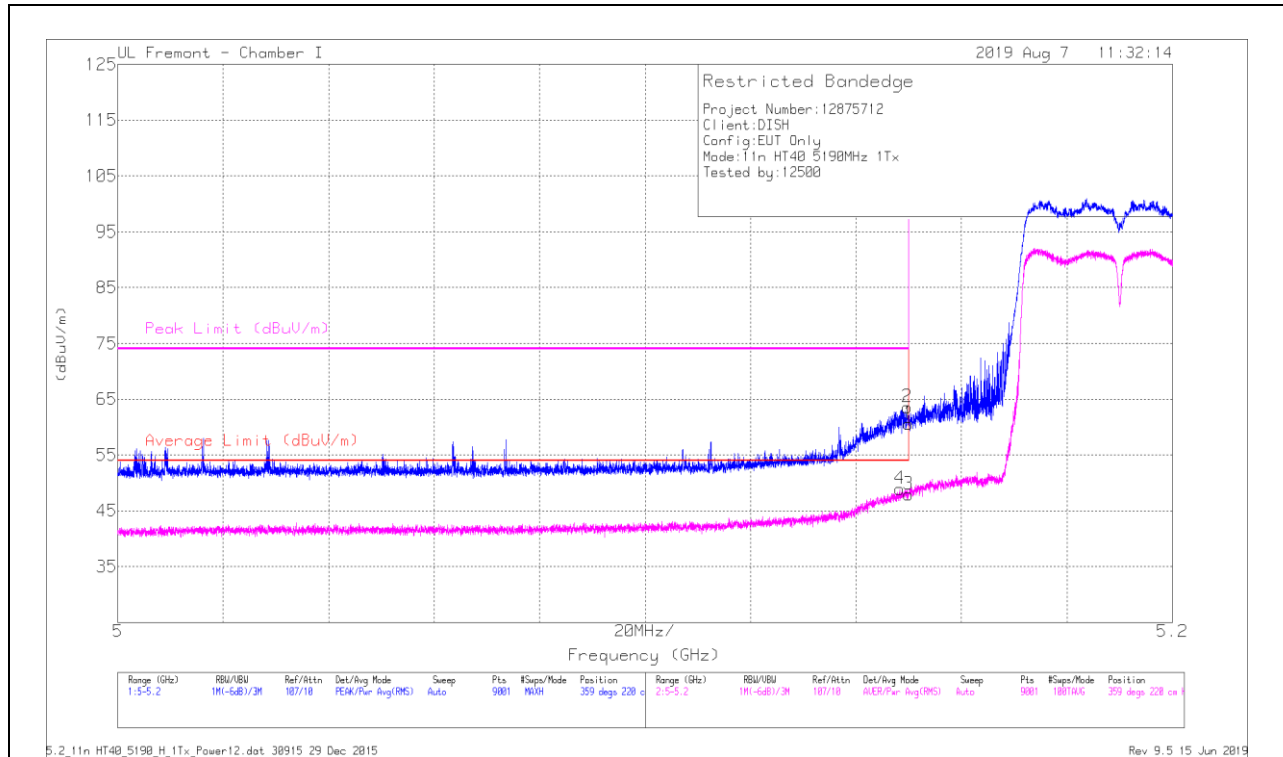
ADR - U-NII AD primary method, RMS average

9.1.2. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



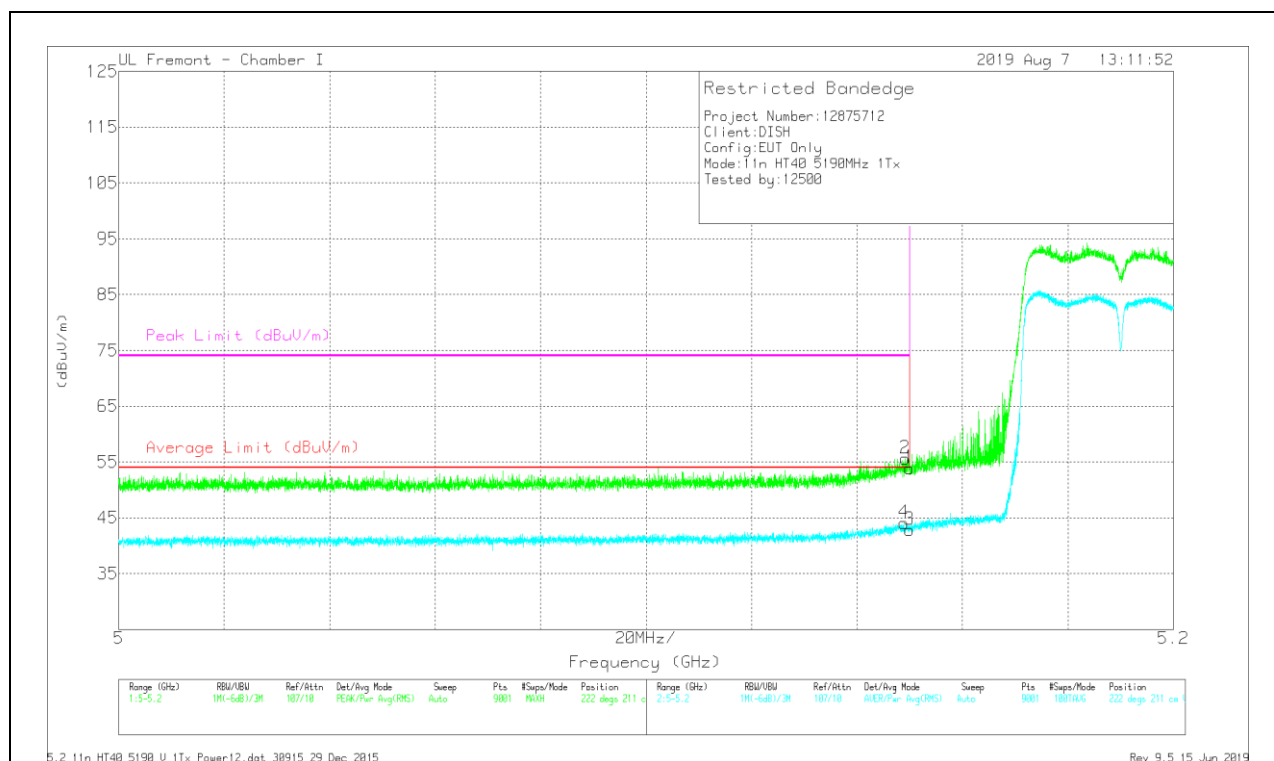
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Chl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	45.25	Pk	34.4	-19	0	60.65	-	-	74	-13.35	359	220	H
2	* 5.14971	48.13	Pk	34.4	-19	0	63.53	-	-	74	-10.47	359	220	H
3	* 5.15	32.38	RMS	34.4	-19	.19	47.97	54	-6.03	-	-	359	220	H
4	* 5.14827	33.36	RMS	34.4	-19	.19	48.95	54	-5.05	-	-	359	220	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

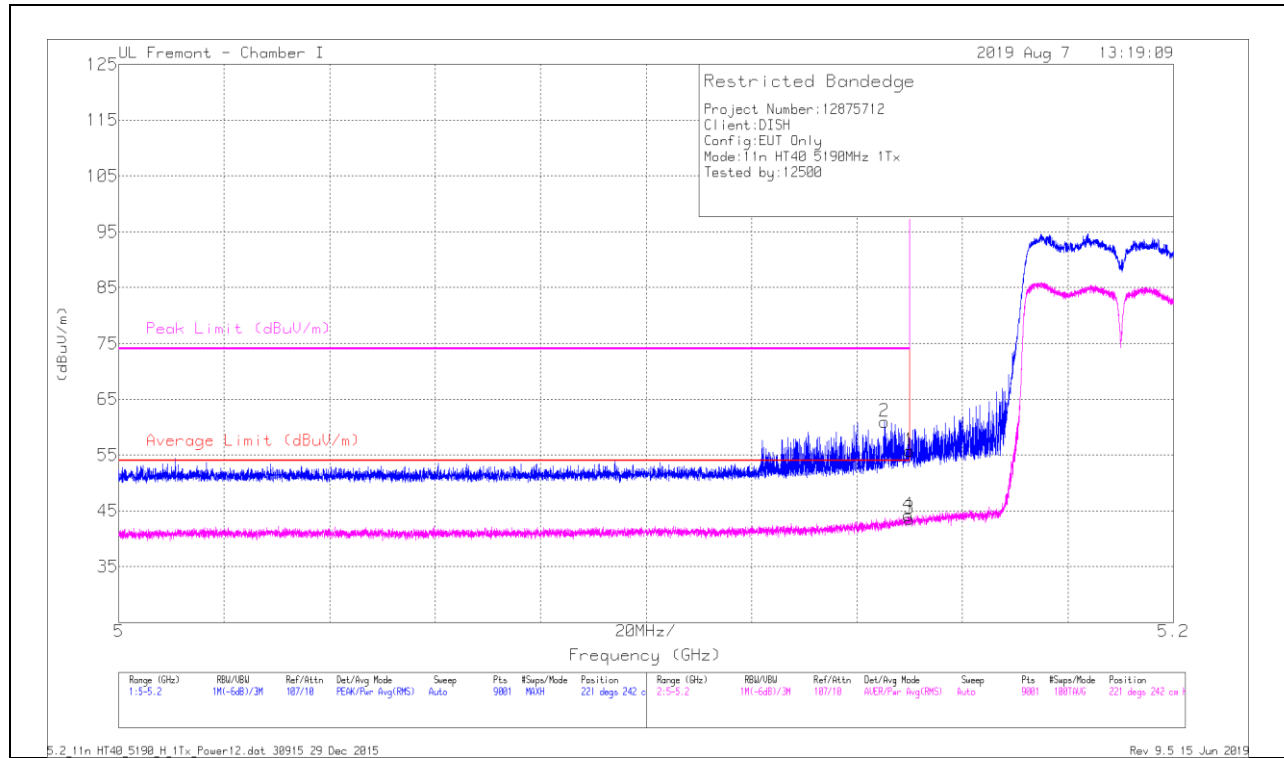


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T662 (dBm)	Amplitude (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.55	Pk	34.4	-19	0	53.95	-	-	74	-20.05	222	211	V
2	* 5.14913	40.26	Pk	34.4	-19	0	55.66	-	-	74	-18.34	222	211	V
3	* 5.15	27.27	RMS	34.4	-19	.19	42.86	54	-11.14	-	-	222	211	V
4	* 5.14884	28.54	RMS	34.4	-19	.19	44.13	54	-9.87	-	-	222	211	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 2 MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

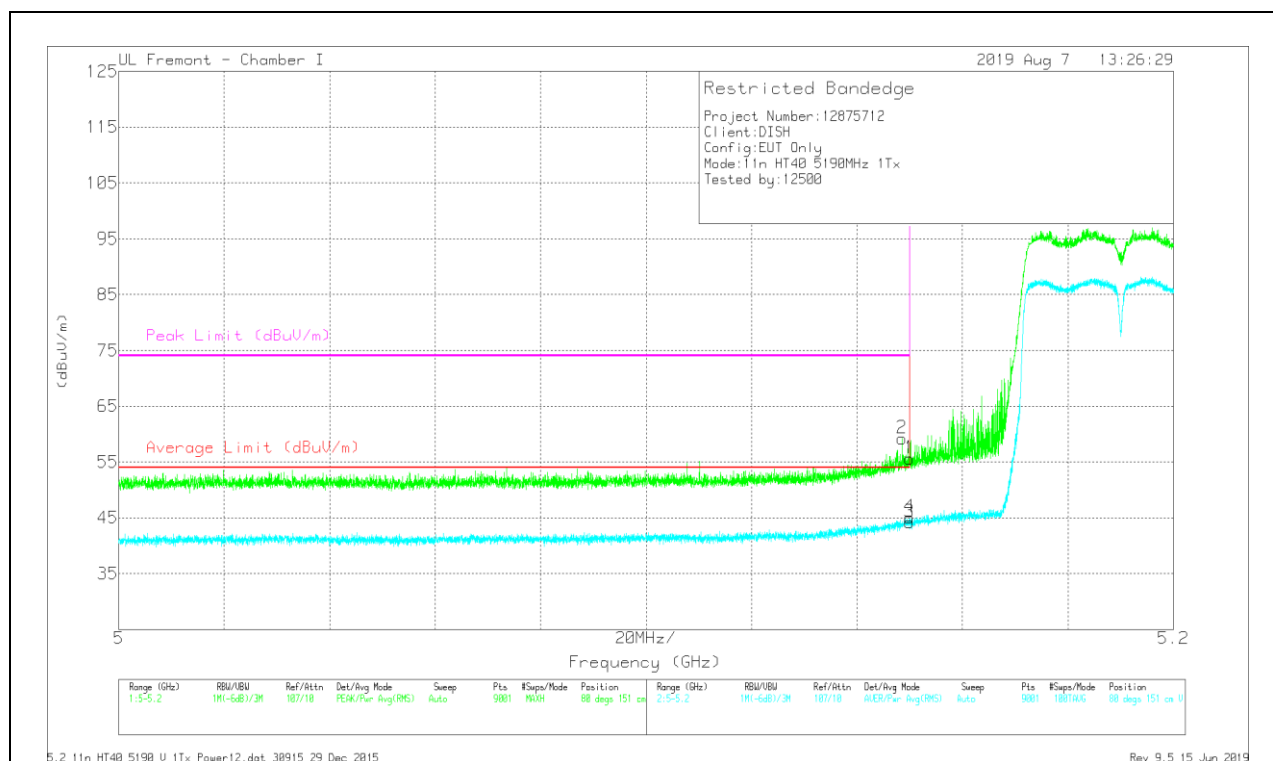
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cpl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.39	Pk	34.4	-19	0	55.79	-	-	74	-18.21	221	242	H
2	* 5.1452	45.67	Pk	34.4	-19.1	0	60.97	-	-	74	-13.03	221	242	H
3	* 5.15	28.01	RMS	34.4	-19	.19	43.6	54	-10.4	-	-	221	242	H
4	* 5.14973	28.59	RMS	34.4	-19	.19	44.18	54	-9.82	-	-	221	242	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

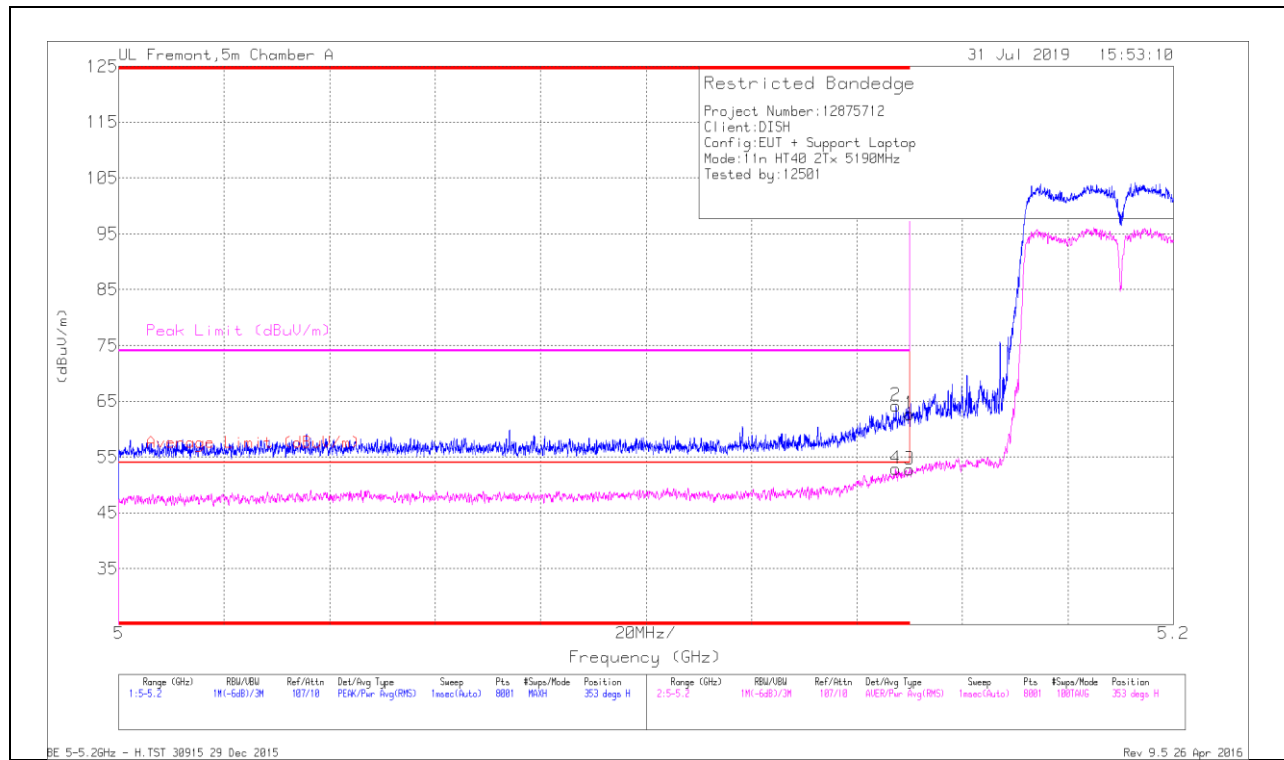


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T662 (dBm)	Ampl/Ch/IE/tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	40.2	Pk	34.4	-19	0	55.6	-	-	74	-18.4	80	151	V
2	* 5.14855	43.78	Pk	34.4	-19	0	59.18	-	-	74	-14.82	80	151	V
3	* 5.15	28.67	RMS	34.4	-19	.19	44.26	54	-9.74	-	-	80	151	V
4	* 5.14995	29.49	RMS	34.4	-19	.19	45.08	54	-8.92	-	-	80	151	V

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

Pk - Peak detector

RMS - RMS detection

2TX Antenna 1 + Antenna 2 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

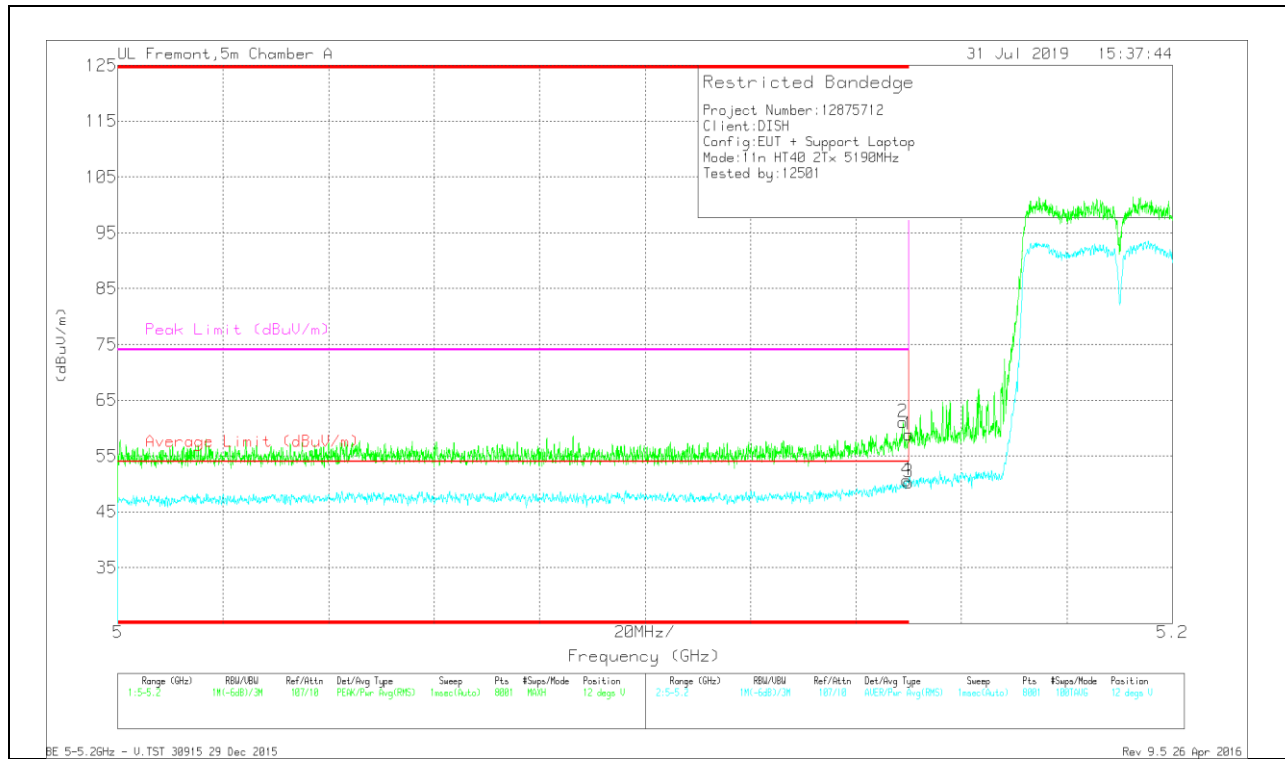
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cb/IFtr/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.147	47.67	PK	34.5	-18	0	64.17	-	-	74	-9.83	353	144	H
4	* 5.147	38.03	RMS	34.5	-18	35	52.88	54	-1.12	-	-	353	144	H
1	5.15	46.14	PK	34.6	-18	0	62.74	-	-	74	-11.26	353	144	H
3	5.15	35.87	RMS	34.6	-18	35	52.82	54	-1.18	-	-	353	144	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBim)	Ampl/Cou/Filt/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuVim)	Average Limit (dBuVim)	Margin (dB)	Peak Limit (dBuVim)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	*5.149	44.58	Pk	34.5	-18	0	61.08	-	-	74	-12.92	12	231	V
4	*5.15	33.7	RMS	34.6	-18	35	50.65	54	-3.35	-	-	12	231	V
1	5.15	42.28	Pk	34.6	-18	0	58.88	-	-	74	-15.12	12	231	V
3	5.15	33.38	RMS	34.6	-18	35	50.33	54	-3.67	-	-	12	231	V

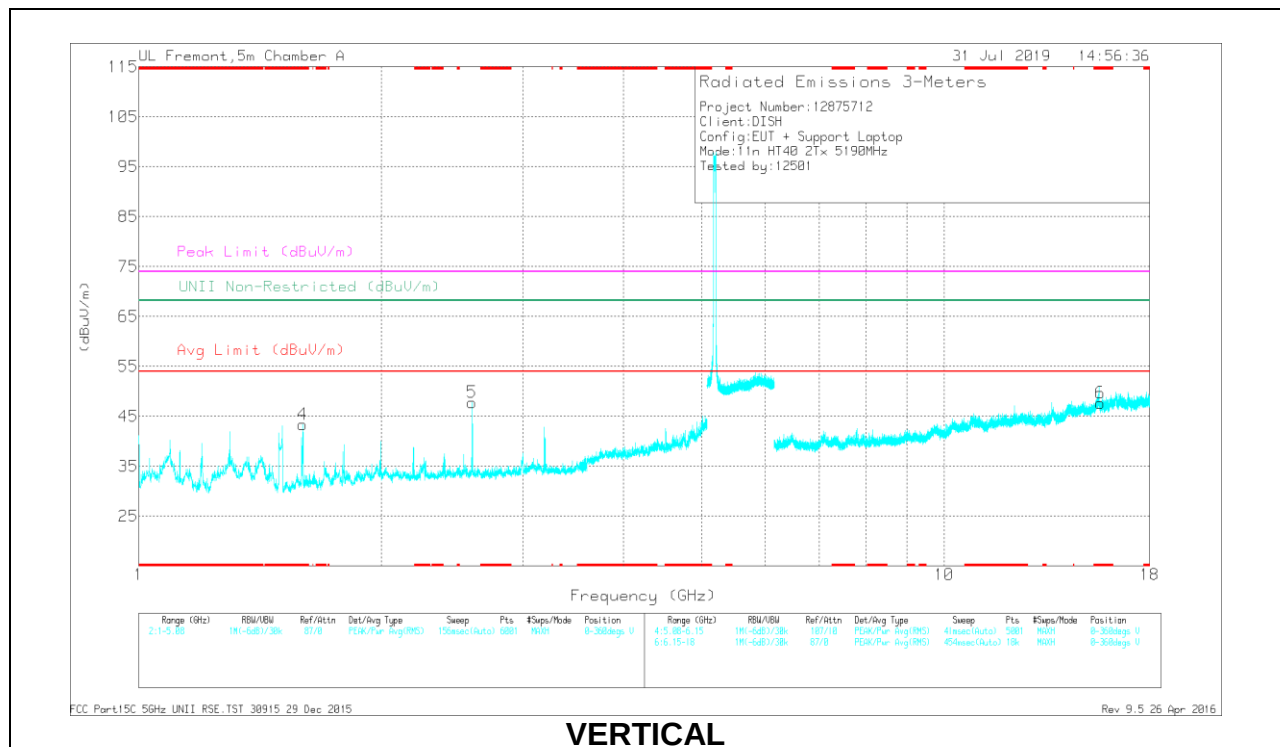
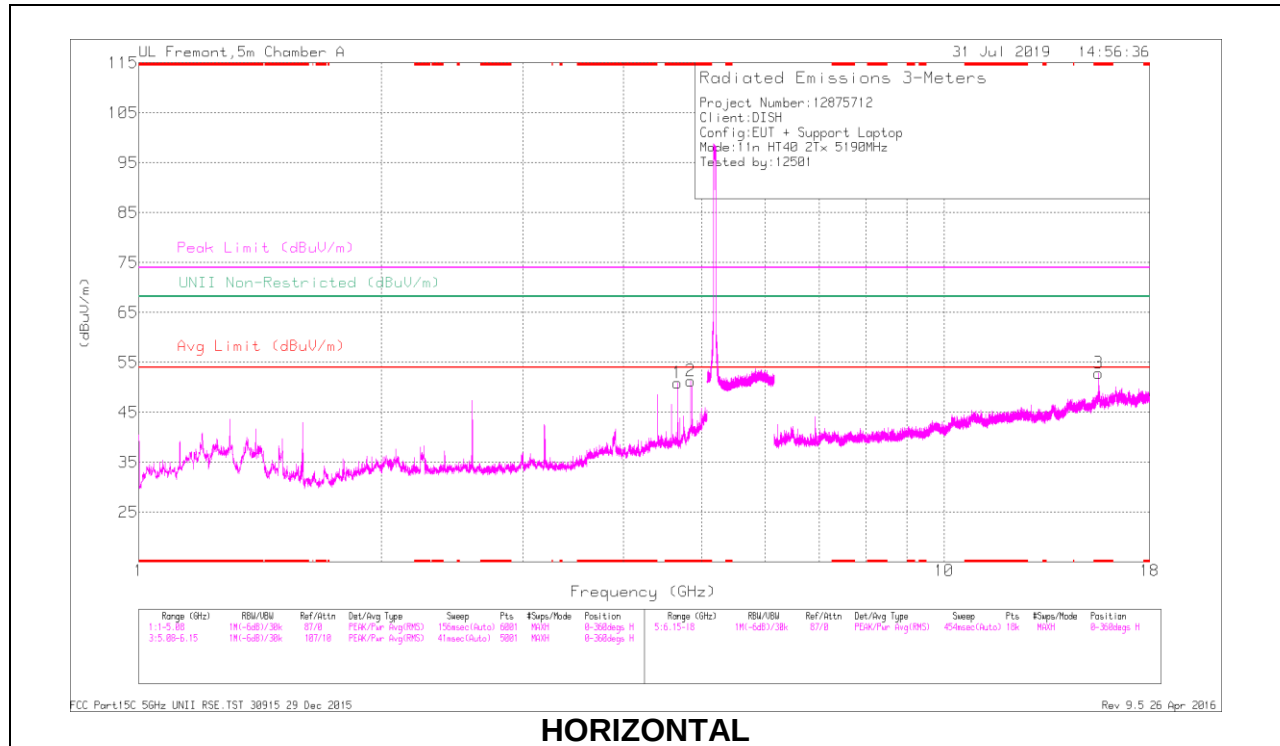
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

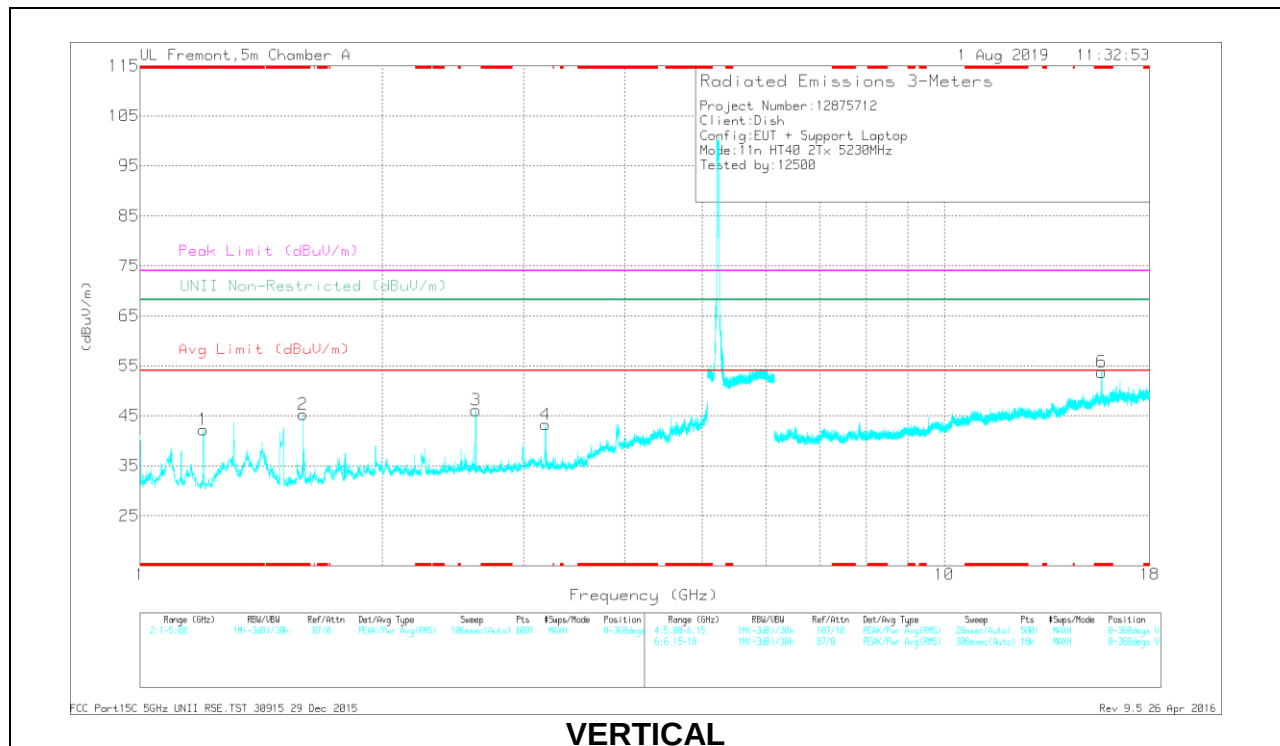
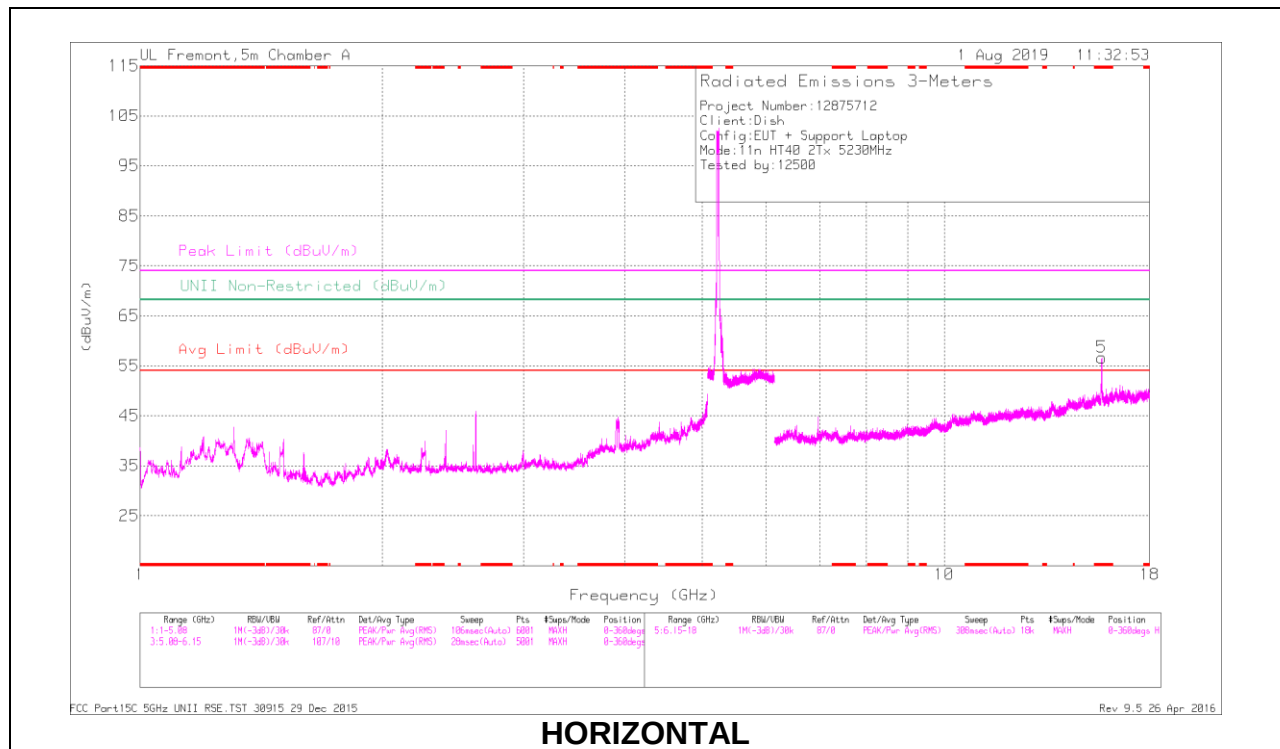
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Chl/FHz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Feet)	Height (cm)	Polarity
1	* 4.669	38.92	PK-U	34.2	-26.7	0	46.42	-	-	74	-27.58	-	-	4	207	H
	* 4.67	28.4	ADR	34.2	-26.7	.35	36.25	54	-17.75	-	-	-	-	4	207	H
2	* 4.848	42.93	PK-U	34.3	-26.9	0	50.33	-	-	74	-23.67	-	-	0	296	H
	* 4.848	31.64	ADR	34.2	-26.9	.35	39.29	54	-14.71	-	-	-	-	0	296	H
4	* 1.6	53.48	PK-U	28.1	-31.9	0	49.68	-	-	74	-24.32	-	-	307	102	V
	* 1.6	35.14	ADR	28.1	-31.9	.35	31.69	54	-22.31	-	-	-	-	307	102	V
3	* 15.563	34.31	PK-U	40.5	-18.7	0	56.11	-	-	74	-17.89	-	-	360	204	H
	* 15.564	23.78	ADR	40.4	-18.7	.35	45.83	54	-8.17	-	-	-	-	360	204	H
6	* 15.636	31.33	PK-U	40.4	-19.1	0	52.63	-	-	74	-21.37	-	-	73	352	V
	* 15.635	21.42	ADR	40.5	-19	.35	43.27	54	-10.73	-	-	-	-	73	352	V
5	2.595	46.9	PK-U	32.5	-30.2	0	49.2	-	-	-	-	68.2	-19	320	223	V
	2.595	43.14	ADR	32.5	-30.2	.35	45.79	-	-	-	-	-	-	320	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 (GHz)	Meter Reading (dBμV)	Det	AF 1346 (dB/m)	Amp/Ch/Flt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBμV/m)	Avg Limit (dBμV/m)	Margin (dB)	Peak Limit (dBμV/m)	PK Margin (dB)	UNII Non-Restricted (dBμV/m)	PK Margin (dB)	Altitude (Feet)	Height (cm)	Polarity
1	* 1.198	53.31	PK2	28.4	-32.6	0	49.11	-	-	74	-24.89	-	-	7	284	V
	* 1.199	36.67	MAv1	28.5	-32.6	35	32.92	54	-21.08	-	-	-	-	7	284	V
2	* 1.594	56.33	PK2	28.1	-31.9	0	52.53	-	-	74	-21.47	-	-	217	171	V
	* 1.593	36.72	MAv1	28.1	-31.9	35	33.27	54	-20.73	-	-	-	-	217	171	V
5	* 15.698	36.83	PK2	40.5	-18.8	0	58.53	-	-	74	-15.47	-	-	119	132	H
	* 15.698	27.44	MAv1	40.5	-18.8	35	49.49	54	-4.51	-	-	-	-	119	132	H
6	* 15.693	38.23	PK2	40.5	-18.9	0	59.83	-	-	74	-14.17	-	-	113	266	V
	* 15.693	28.98	MAv1	40.5	-18.9	35	50.93	54	-3.07	-	-	-	-	113	266	V
3	2.615	46.59	PK2	32.6	-30.3	0	48.89	-	-	-	-	68.2	-19.31	317	183	V
4	3.194	46.21	PK2	32.9	-29.3	0	49.81	-	-	-	-	68.2	-18.39	261	393	V

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

PK2 - KDB558074 Method: Maximum Peak

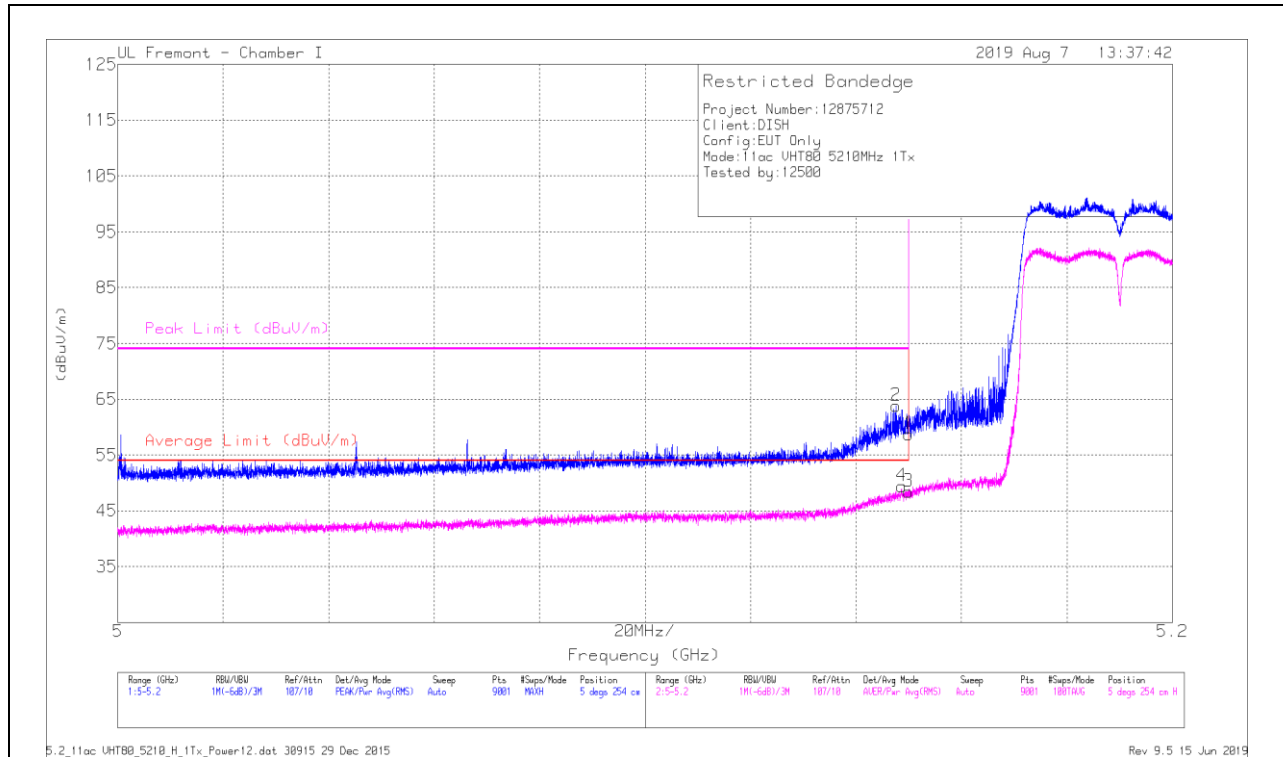
MAv1 - KDB558074 Option 1 Maximum RMS Average

9.1.3. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



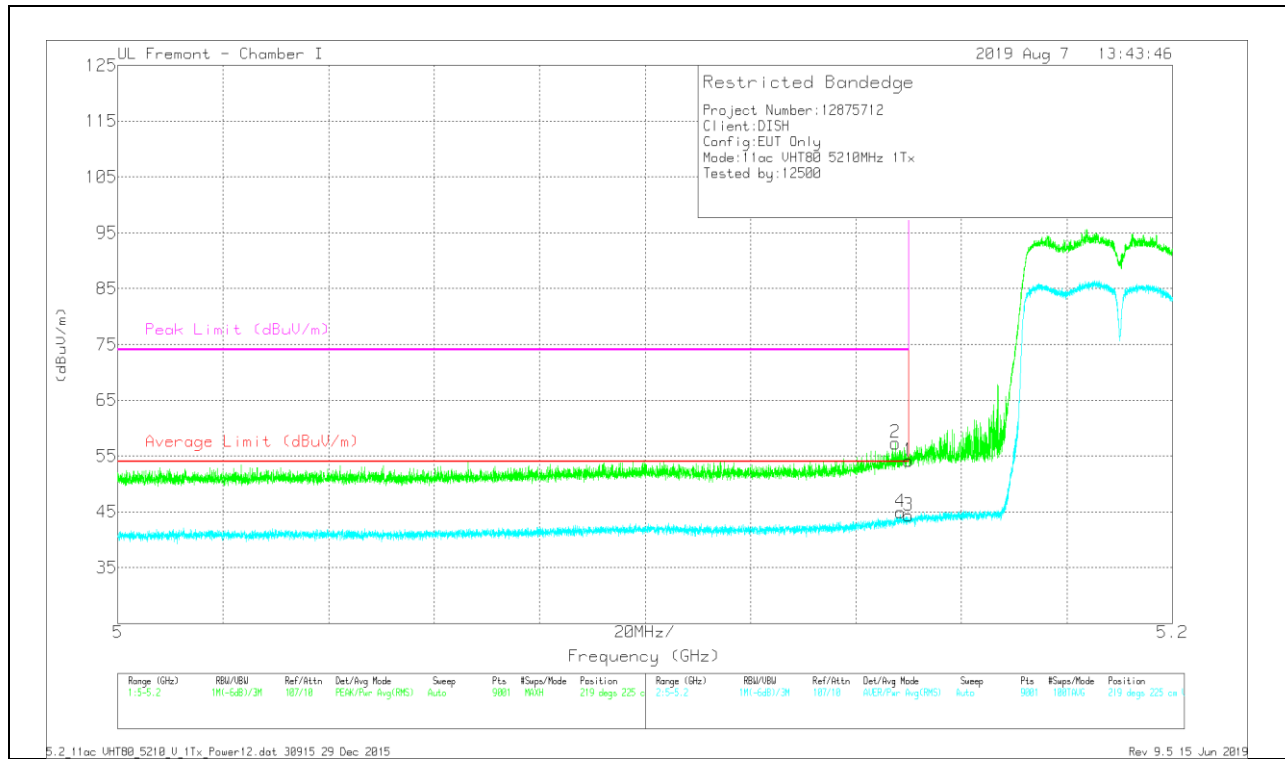
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cb/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	43.35	Pk	34.4	-19	0	53.75	-	-	74	-15.25	5	254	H
2	* 5.1476	48.51	Pk	34.3	-19	0	63.81	-	-	74	-10.19	5	254	H
3	* 5.15	32.59	RMS	34.4	-19	.4	48.39	54	-5.61	-	-	5	254	H
4	* 5.1486	33.57	RMS	34.4	-19	.4	49.37	54	-4.63	-	-	5	254	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

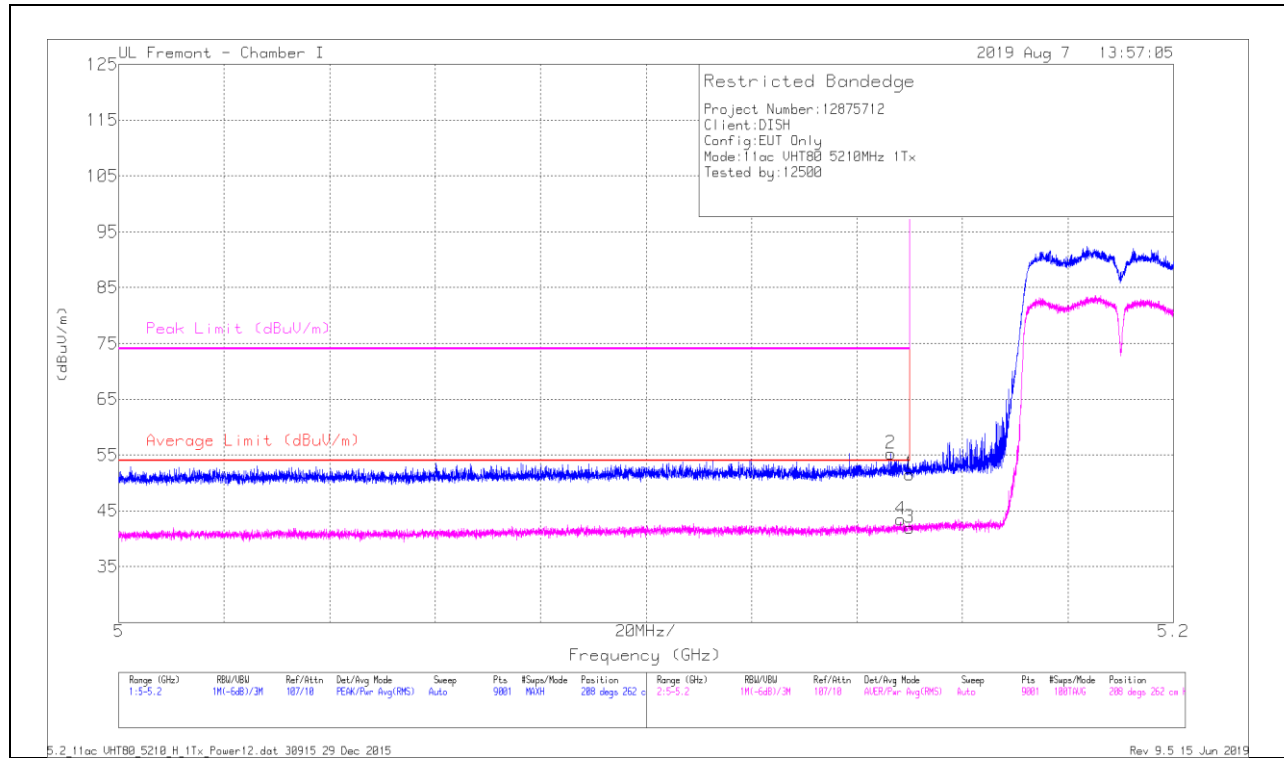


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T662 (dBm)	Amp/Ch/IE/tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	38.69	Pk	34.4	-19	0	54.09	-	-	74	-19.91	219	225	V
2	* 5.14742	42.01	Pk	34.3	-19	0	57.31	-	-	74	-16.69	219	225	V
3	* 5.15	28.58	RMS	34.4	-19	.4	44.38	54	-9.62	-	-	219	225	V
4	* 5.14838	29.11	RMS	34.4	-19	.4	44.91	54	-9.09	-	-	219	225	V

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

Pk - Peak detector

RMS - RMS detection

1TX Antenna 2 MODE**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

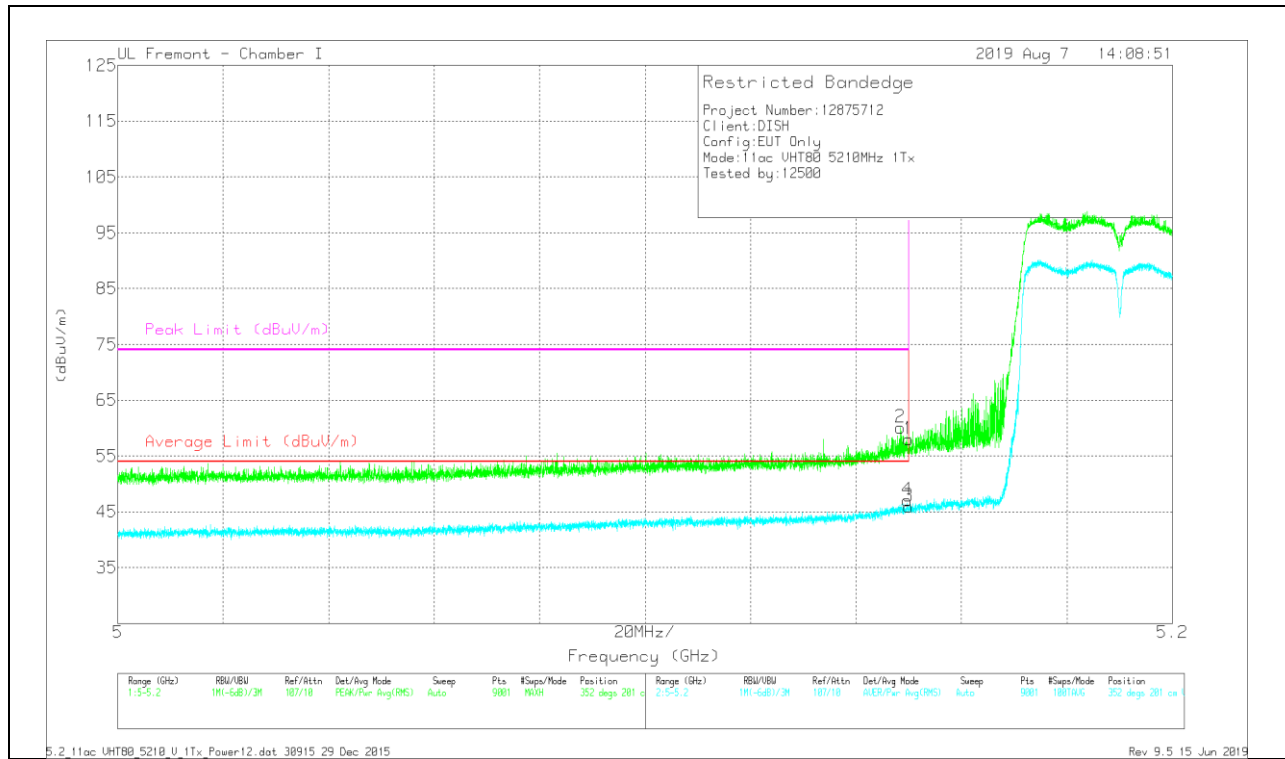
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Cb/IF/Tr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	36.17	Pk	34.4	-19	0	51.57	-	-	74	-22.43	208	262	H
2	* 5.14635	39.92	Pk	34.3	-19	0	55.22	-	-	74	-18.78	208	262	H
3	* 5.15	26.13	RMS	34.4	-19	.4	41.93	54	-12.07	-	-	208	262	H
4	* 5.14827	27.63	RMS	34.4	-19	.4	43.43	54	-10.57	-	-	208	262	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

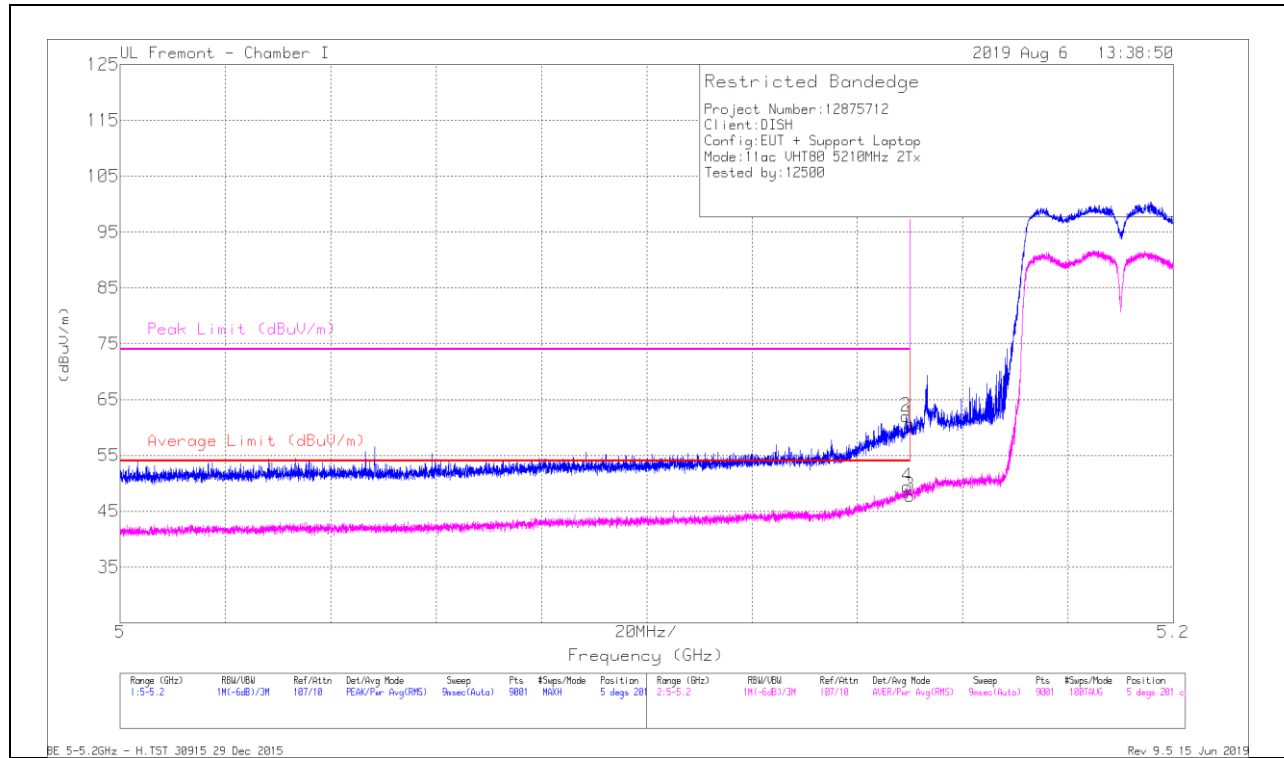


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T62 (dBm)	Ampl/Ch/IE/tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	42.59	Pk	34.4	-19	0	57.99	-	-	74	-16.01	352	201	V
2	* 5.14838	44.66	Pk	34.4	-19	0	60.06	-	-	74	-13.94	352	201	V
3	* 5.15	30.09	RMS	34.4	-19	.4	45.89	54	-8.11	-	-	352	201	V
4	* 5.14973	31.23	RMS	34.4	-19	.4	47.03	54	-6.97	-	-	352	201	V

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

Pk - Peak detector

RMS - RMS detection

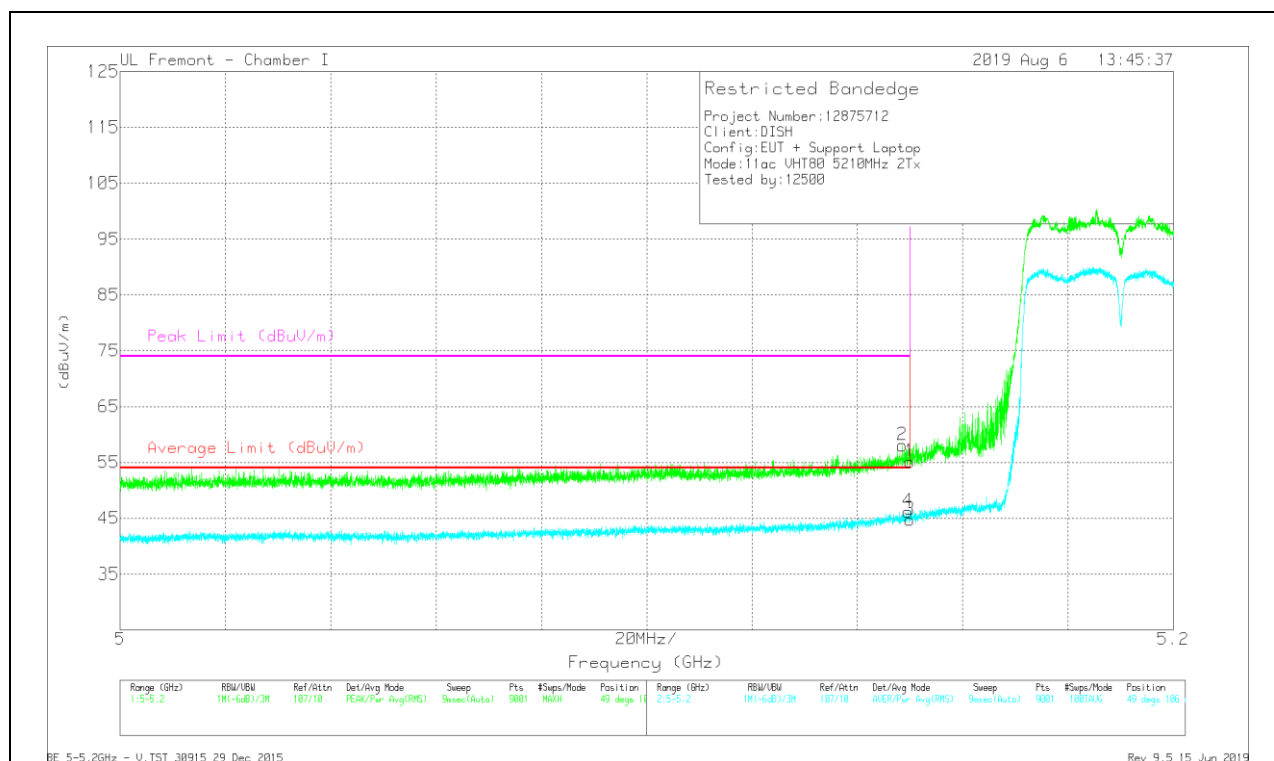
2TX Antenna 1 + Antenna 2 CDD MODE**BANDEDGE (MID CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Ampl(Cbi/Fttr/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	5.15	45.32	Pk	34.4	-19	0	60.72	-	-	74	-13.28	5	201	H
2	5.14924	46.63	PK	34.4	-19	0	62.03	-	-	74	-11.97	5	201	H
3	5.15	32.13	RMS	34.4	-19	27	47.8	54	-6.2	-	-	5	201	H
4	5.14951	33.81	RMS	34.4	-19	27	49.48	54	-4.52	-	-	5	201	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

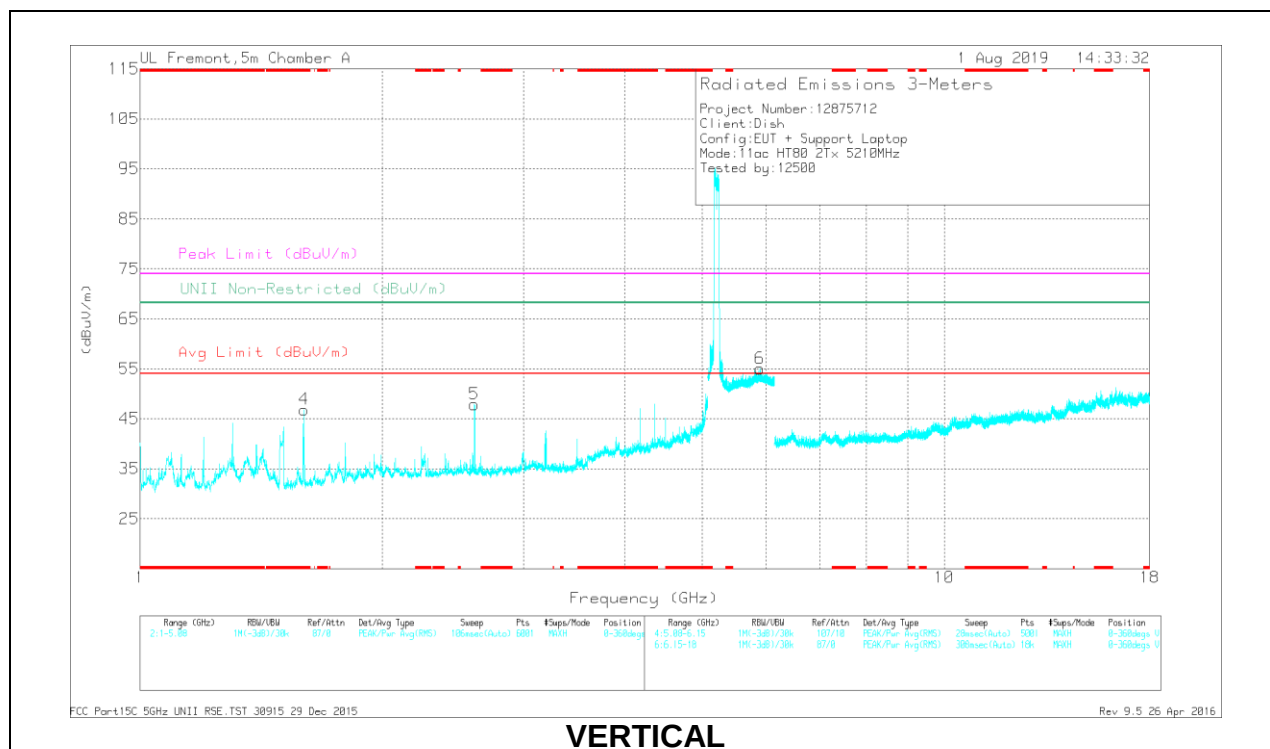
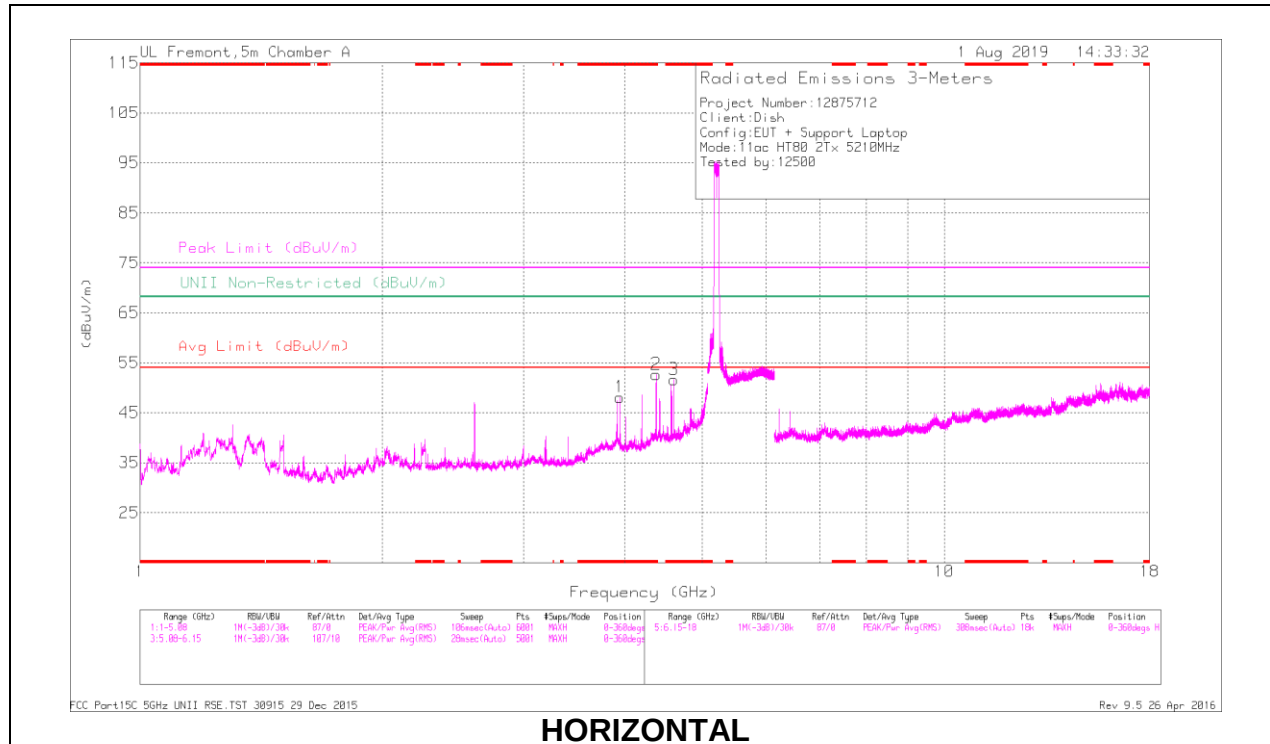


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp(CMU/Filtr)/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	39.72	Pk	34.4	-19	0	55.12	-	-	74	-18.88	49	106	V
2	5.14855	42.66	Pk	34.4	-19	0	58.06	-	-	74	-15.94	49	106	V
3	5.15	29.06	RMS	34.4	-19	27	44.73	54	-9.27	-	-	49	106	V
4	5.14964	30.53	RMS	34.4	-19	27	46.2	54	-7.8	-	-	49	106	V

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (Hz)	Meter Reading (dBuV)	Det	AFT346 (dB/m)	Amp/CM/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unlit Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 3.951	39.96	PK2	33.5	-28.5	0	44.96	-	-	74	-29.04	-	-	34	130	H
	* 3.949	29.52	MAv1	33.6	-28.6	-27	34.79	54	-19.21	-	-	-	-	34	130	H
2	* 4.381	53.38	PK2	33.6	-28.1	0	58.88	-	-	74	-15.12	-	-	347	179	H
	* 4.381	31.6	MAv1	33.6	-28.1	-27	37.37	54	-16.63	-	-	-	-	347	179	H
3	* 4.609	39.34	PK2	34.3	-27.3	0	46.34	-	-	74	-27.66	-	-	220	194	H
	* 4.608	28.38	MAv1	34.3	-27.3	-27	35.65	54	-18.35	-	-	-	-	220	194	H
4	* 1.6	56.85	PK2	28.1	-31.9	0	53.05	-	-	74	-20.95	-	-	212	126	V
	* 1.597	38.46	MAv1	28.1	-31.9	-27	34.93	54	-19.07	-	-	-	-	212	126	V
5	2.605	48.29	PK2	32.6	-30.3	0	50.59	-	-	-	-	68.2	-17.61	349	199	V
6	5.899	41.95	PK2	35.2	-16.7	0	60.45	-	-	-	-	68.2	-7.75	110	190	V

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

PK2 - KDB558074 Method: Maximum Peak

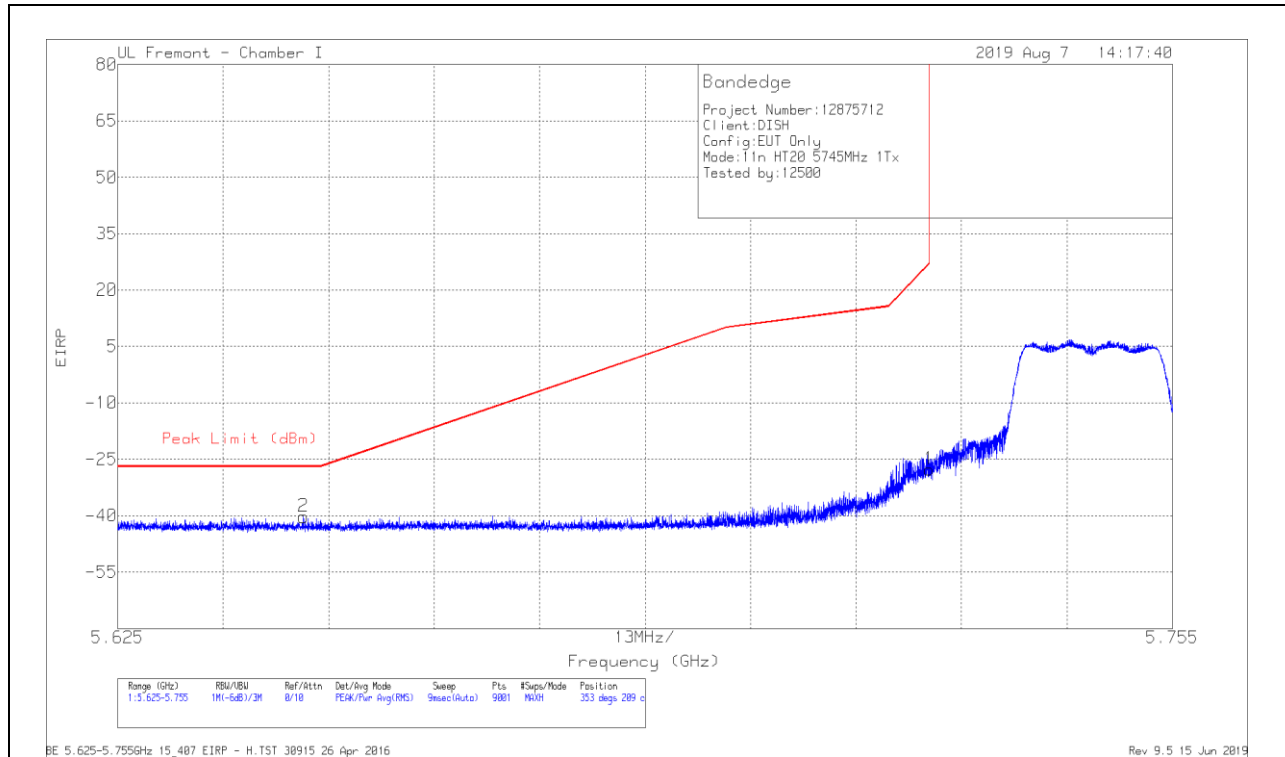
MAv1 - KDB558074 Option 1 Maximum RMS Average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

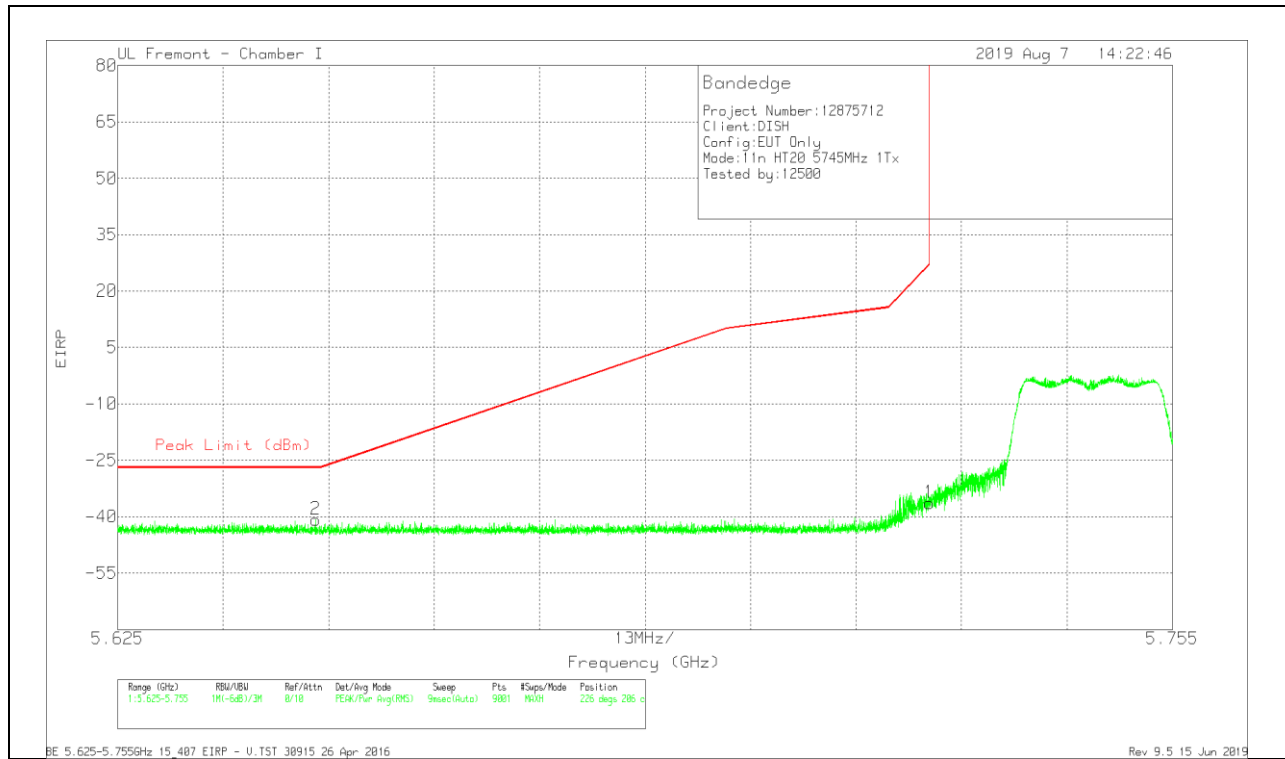
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-55.88	Pk	34.9	-18.5	11.8	0	-27.68	26.99	-54.67	353	209	H
2	5.64789	-68.63	Pk	35.1	-18.6	11.8	0	-40.33	-27	-13.33	353	209	H

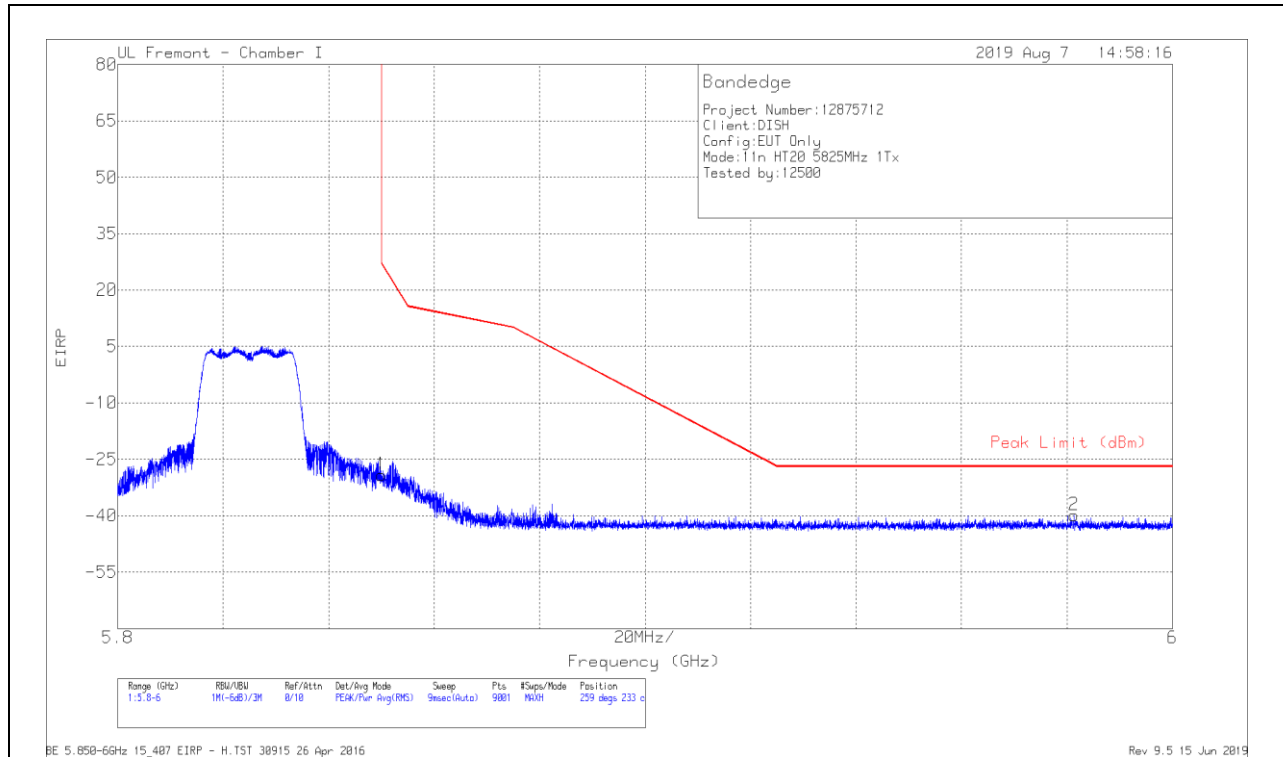
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-64.54	Pk	34.9	-18.5	11.8	0	-36.34	26.99	-63.33	226	206	V
2	5.6494	-69.07	Pk	35	-18.6	11.8	0	-40.87	-27	-13.87	226	206	V

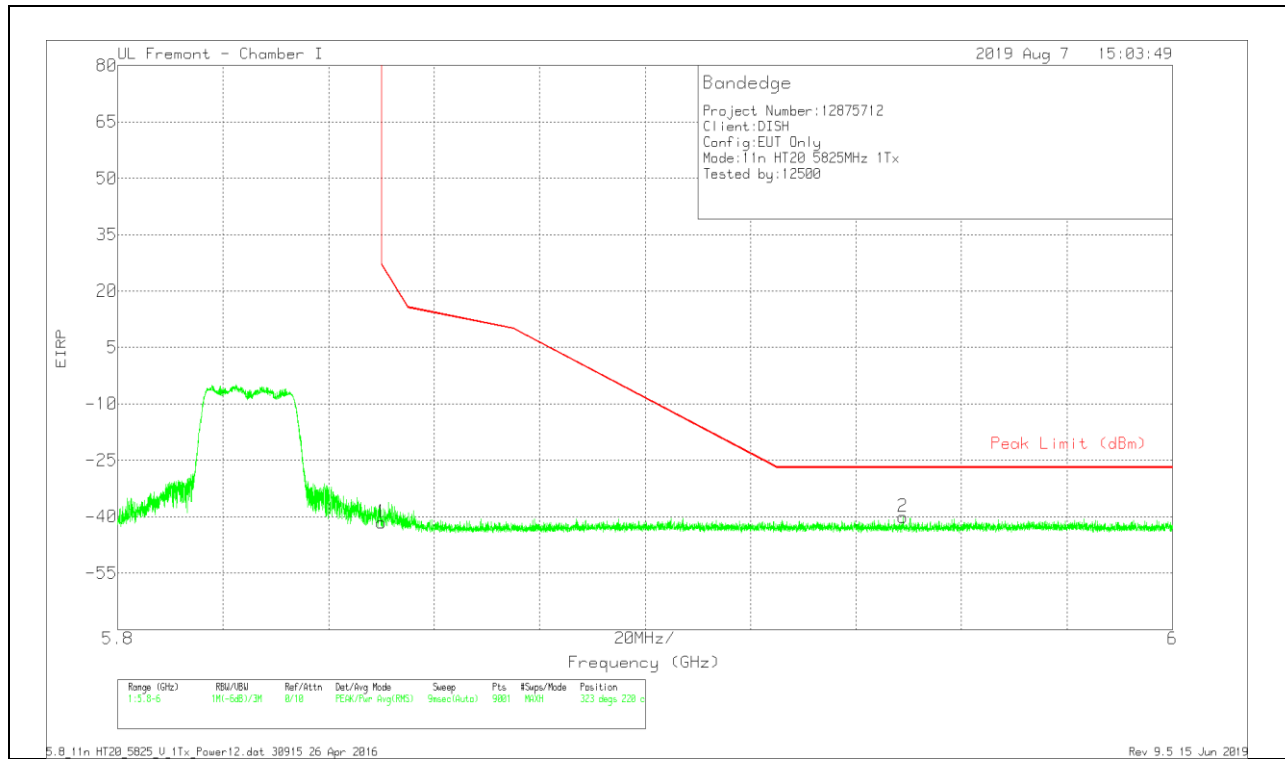
Pk - Peak detector

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Fil r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-58.76	Pk	35.1	-17.4	11.8	0	-29.26	26.95	-56.21	259	233	H
2	5.98131	-69.35	Pk	35.2	-17.5	11.8	0	-39.85	-27	-12.85	259	233	H

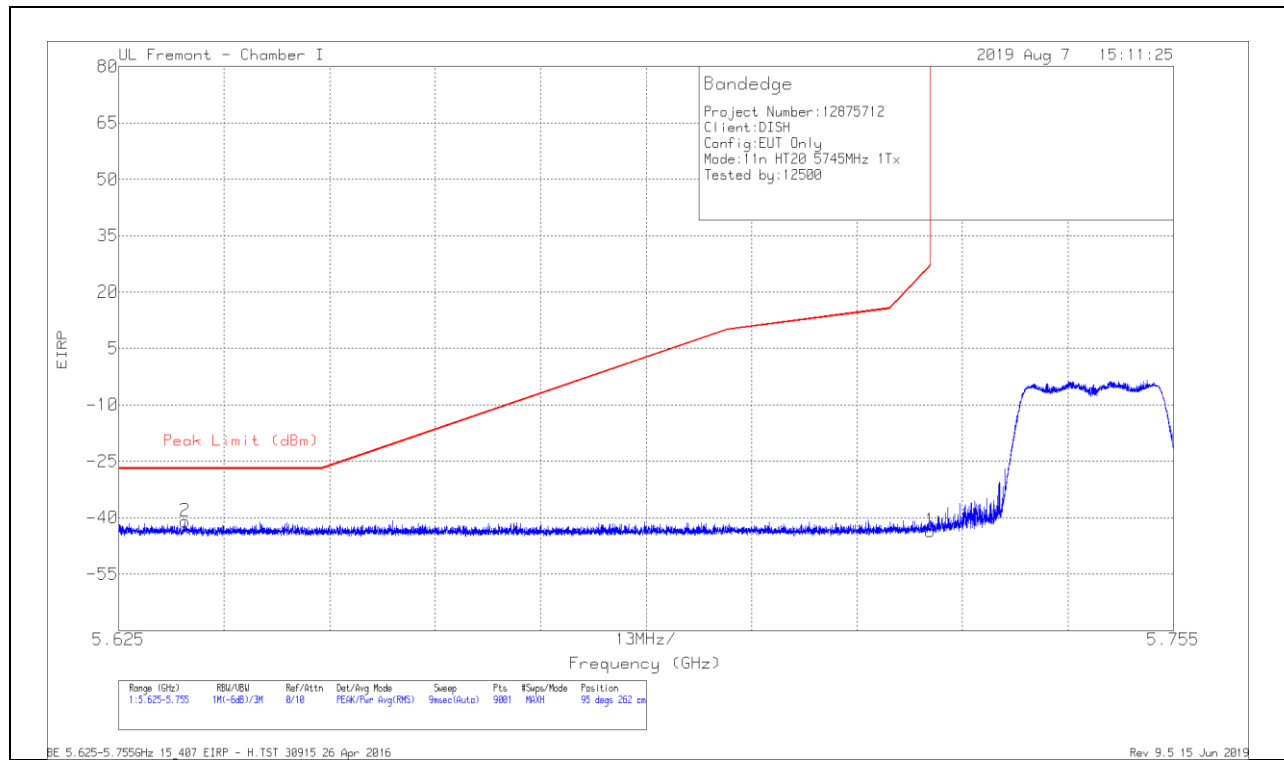
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-71.06	Pk	35.1	-17.4	11.8	-41.56	26.95	-68.51	323	220	V
2	5.94891	-69.63	Pk	35.2	-17.5	11.8	-40.13	-27	-13.13	323	220	V

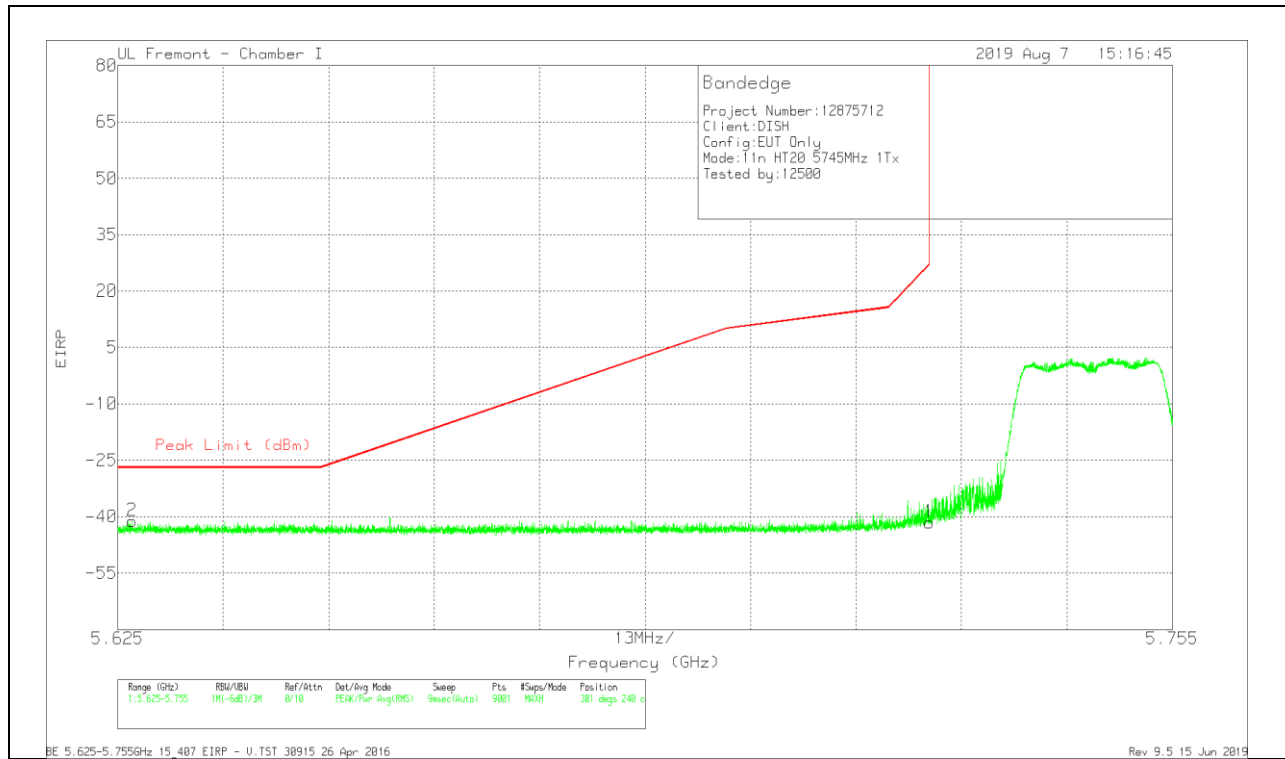
Pk - Peak detector

1TX Antenna 2 MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-71.83	Pk	34.9	-18.5	11.8	0	-43.63	26.99	-70.62	95	262	H
2	5.63318	-69.3	Pk	35.1	-18.6	11.8	0	-41	-27	-14	95	262	H

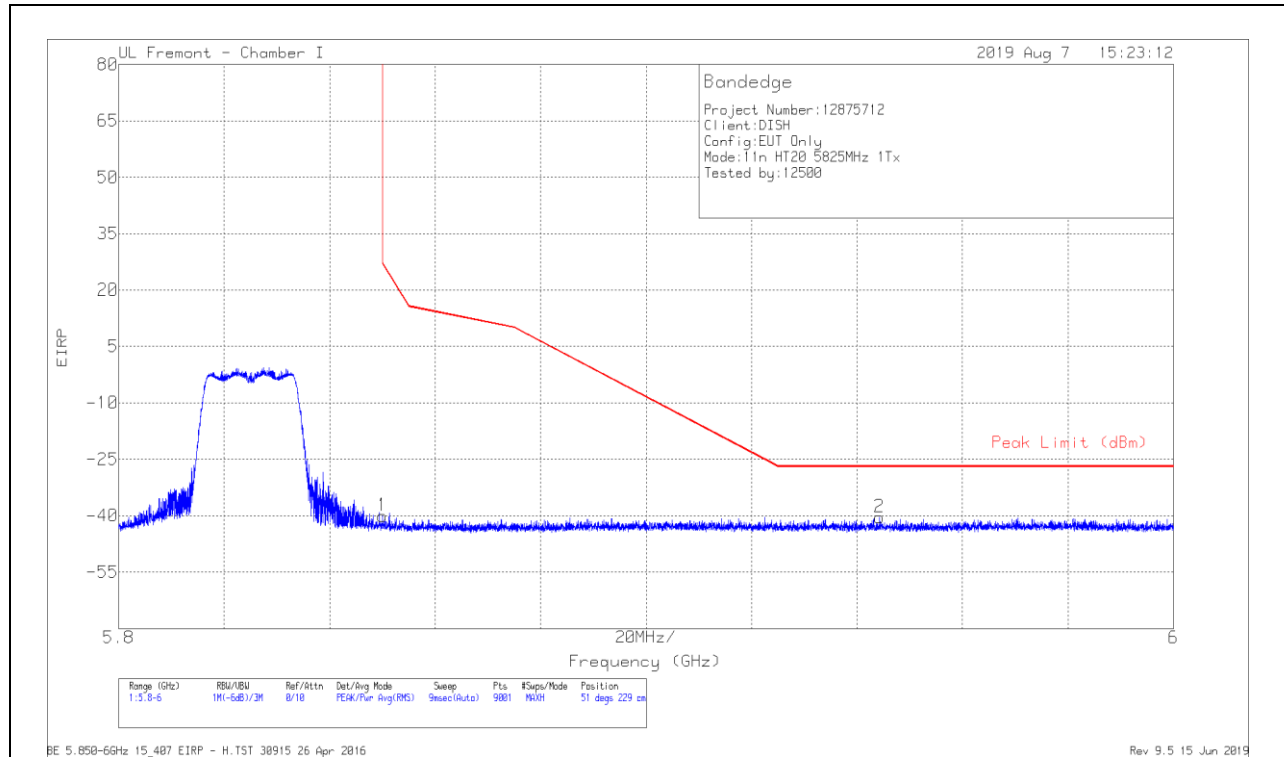
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-69.73	Pk	34.9	-18.5	11.8	0	-41.53	26.99	-68.52	301	240	V
2	5.62678	-69.59	Pk	35.2	-18.6	11.8	0	-41.19	-27	-14.19	301	240	V

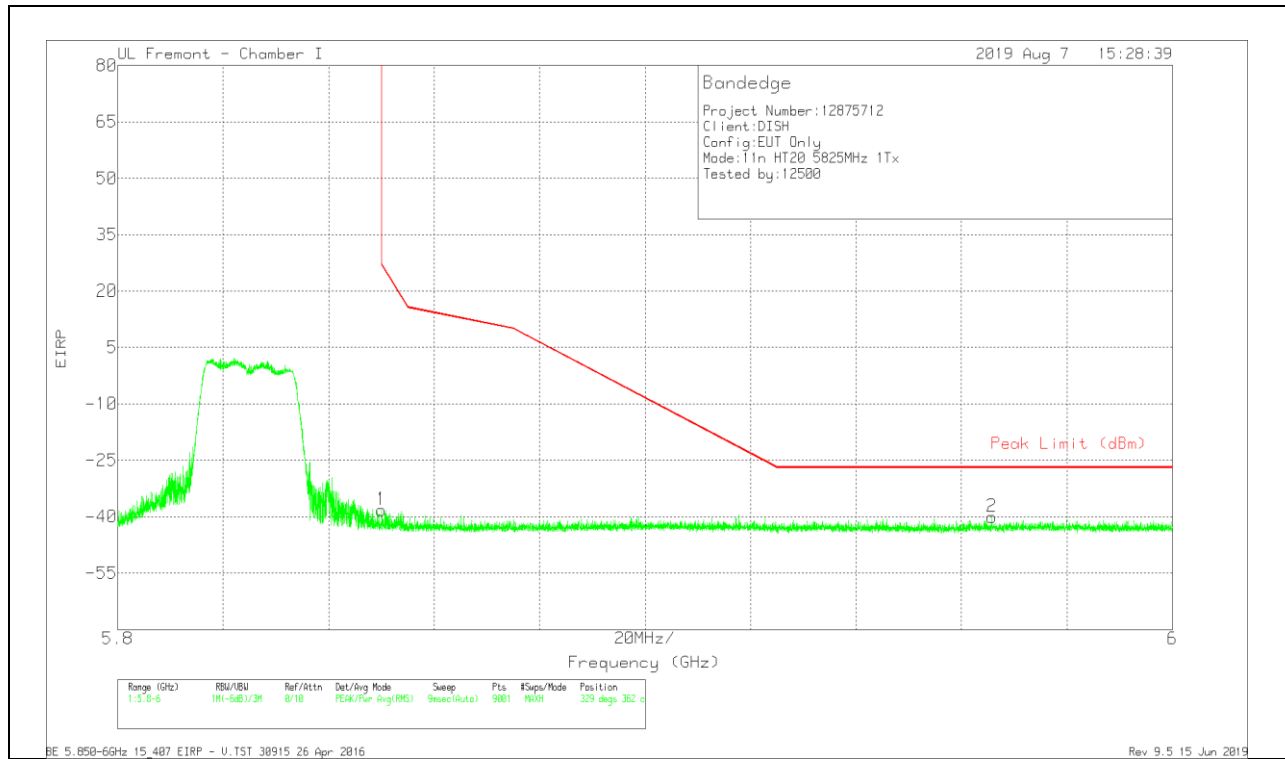
Pk - Peak detector

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Fil r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-69.49	Pk	35.1	-17.4	11.8	0	-39.99	26.95	-66.94	51	229	H
2	5.94431	-69.98	Pk	35.2	-17.4	11.8	0	-40.38	-27	-13.38	51	229	H

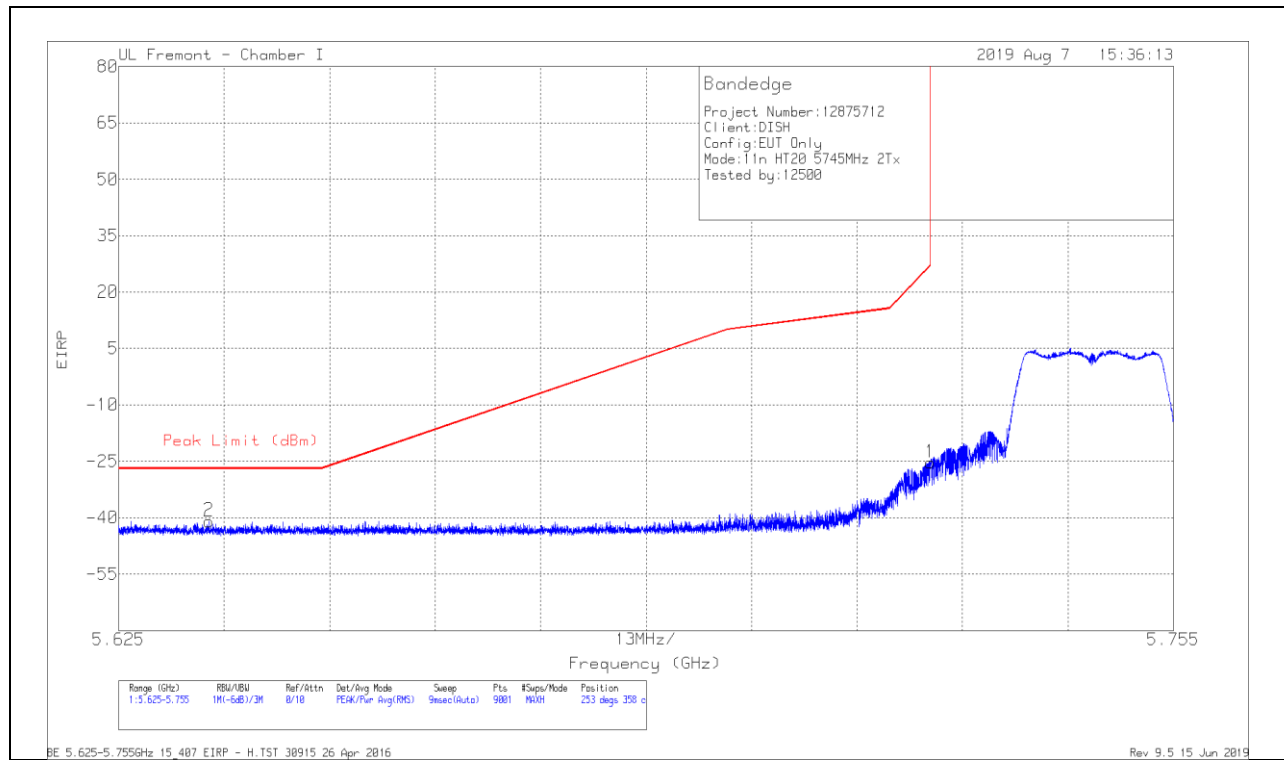
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-67.77	Pk	35.1	-17.4	11.8	0	-38.27	26.95	-65.22	329	362	V
2	5.96575	-69.55	Pk	35.2	-17.5	11.8	0	-40.05	-27	-13.05	329	362	V

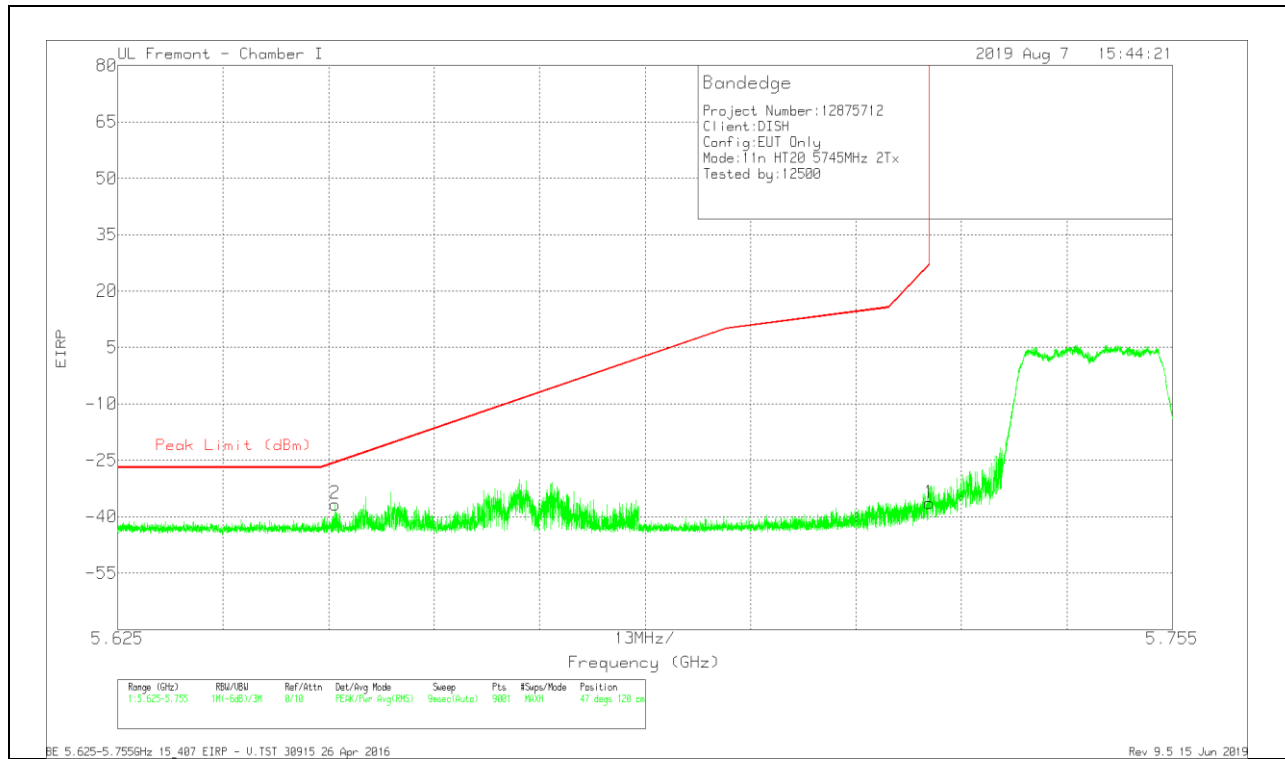
Pk - Peak detector

2TX Antenna 1 + Antenna 2 CDD MODE**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Fit r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-53.54	Pk	34.9	-18.5	11.8	0	-25.34	26.99	-52.33	253	358	H
2	5.63608	-69.09	Pk	35	-18.6	11.8	0	-40.89	-27	-13.89	253	358	H

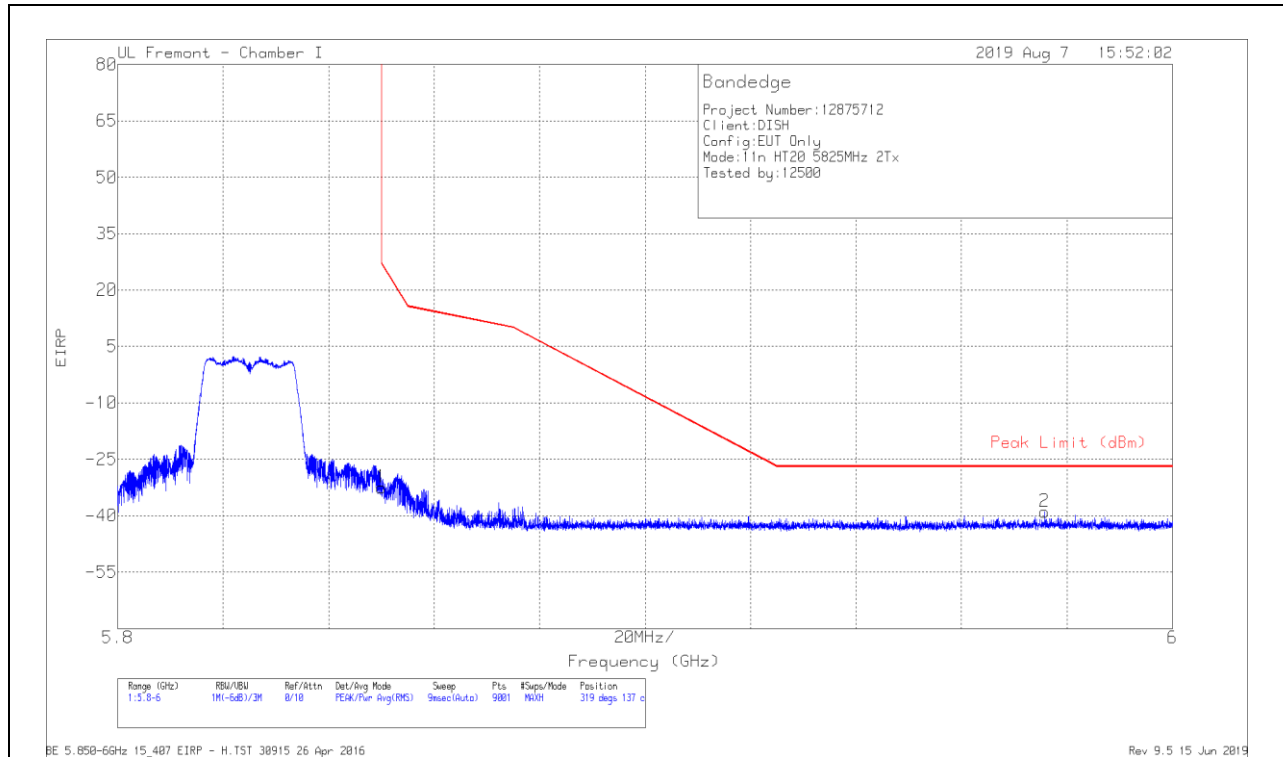
Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-64.55	Pk	34.9	-18.5	11.8	0	-36.35	26.99	-63.34	47	120	V
2	5.65177	-64.85	Pk	35	-18.6	11.8	0	-36.65	-25.69	-10.96	47	120	V

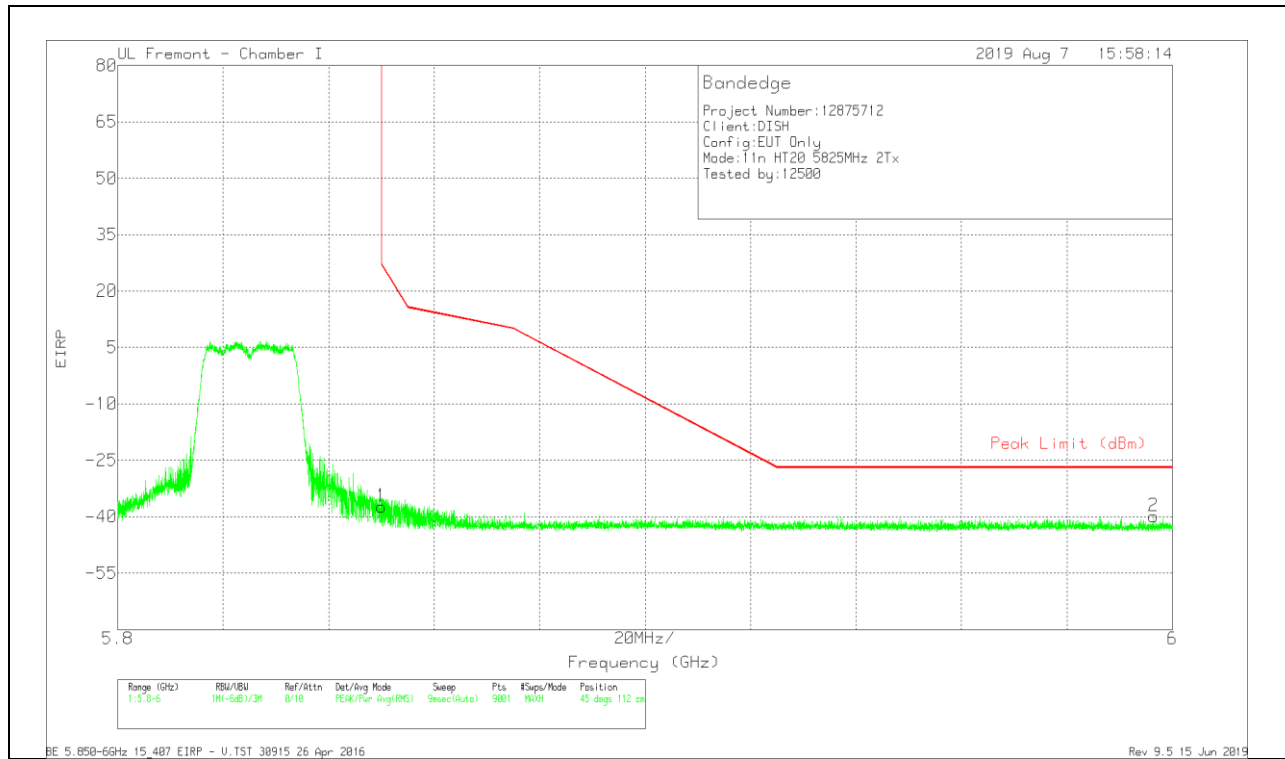
Pk - Peak detector

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dB/m)	Amp/Cbl/Fil r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-62	Pk	35.1	-17.4	11.8	0	-32.5	26.95	-59.45	319	137	H
2	5.97573	-68.55	Pk	35.2	-17.4	11.8	0	-38.95	-27	-11.95	319	137	H

Pk - Peak detector

VERTICAL RESULT

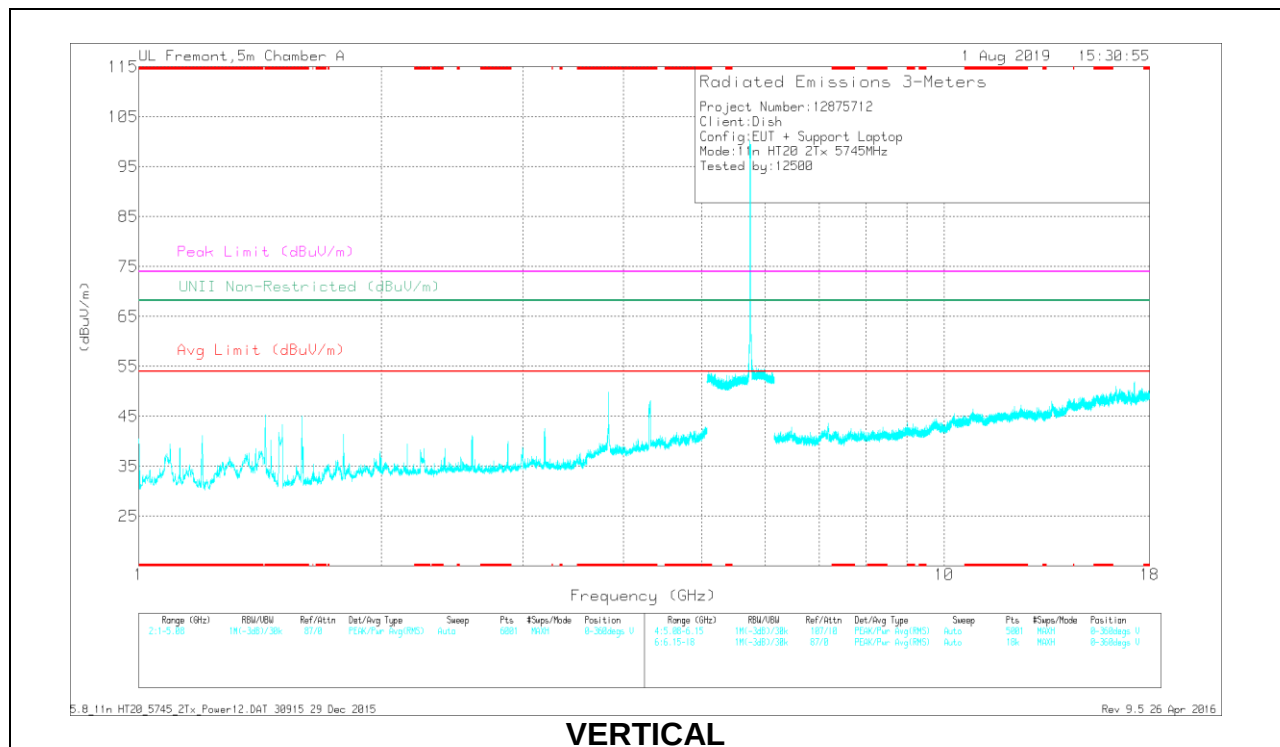
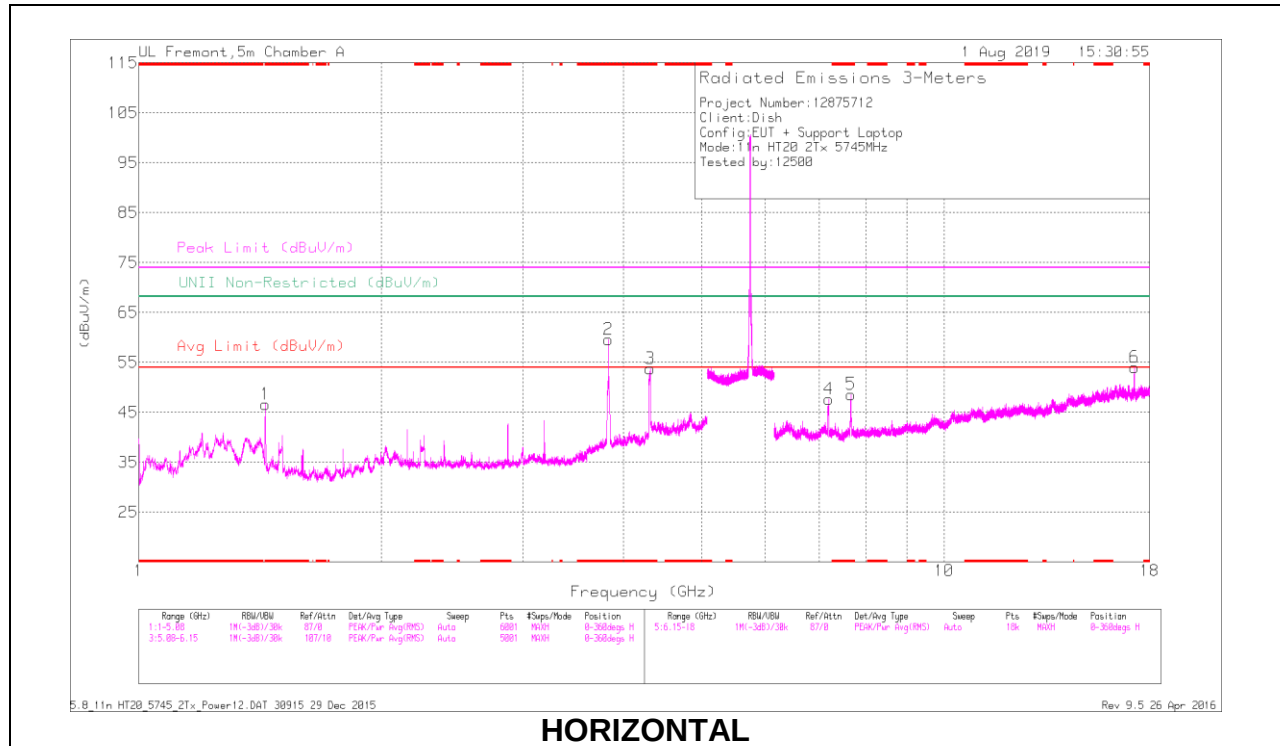


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T862 (dBm)	Amp/Cbl/Filt r/Pad (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-66.73	Pk	35.1	-17.4	11.8	0	-37.23	26.95	-64.18	45	112	V
2	5.99647	-69.38	Pk	35.2	-17.5	11.8	0	-39.88	-27	-12.88	45	112	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

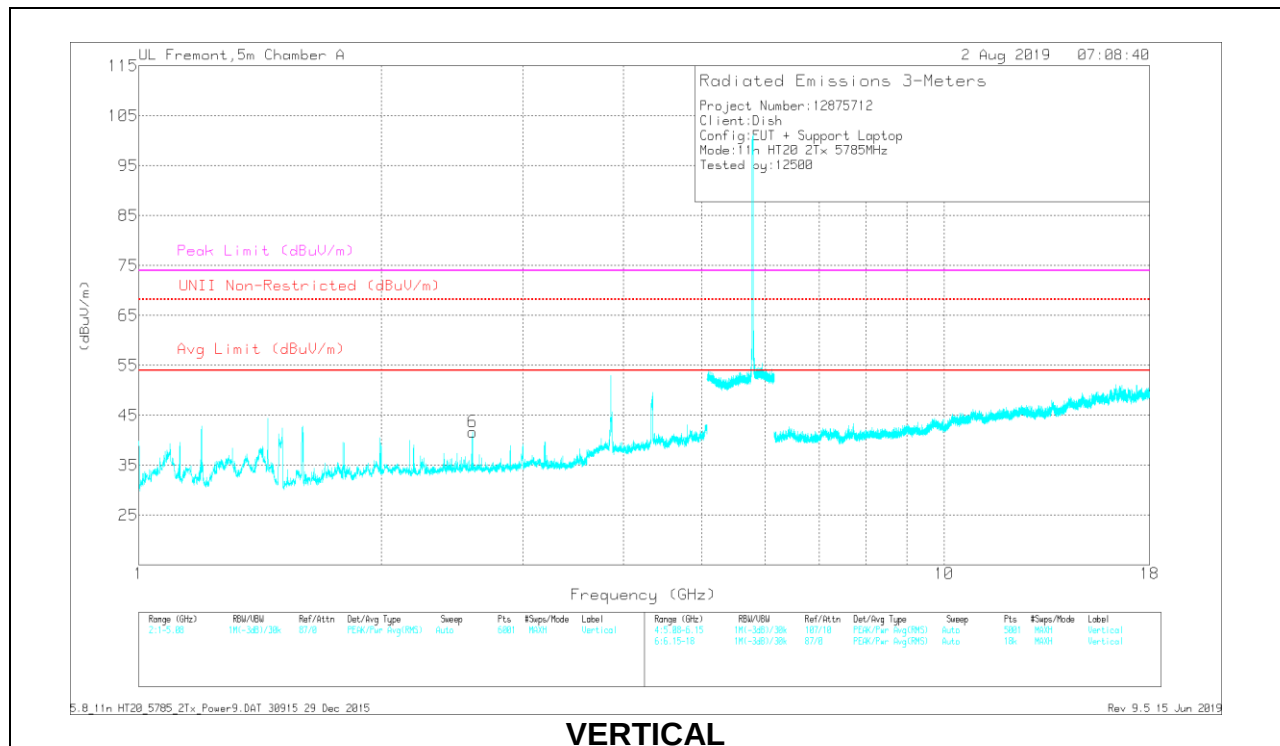
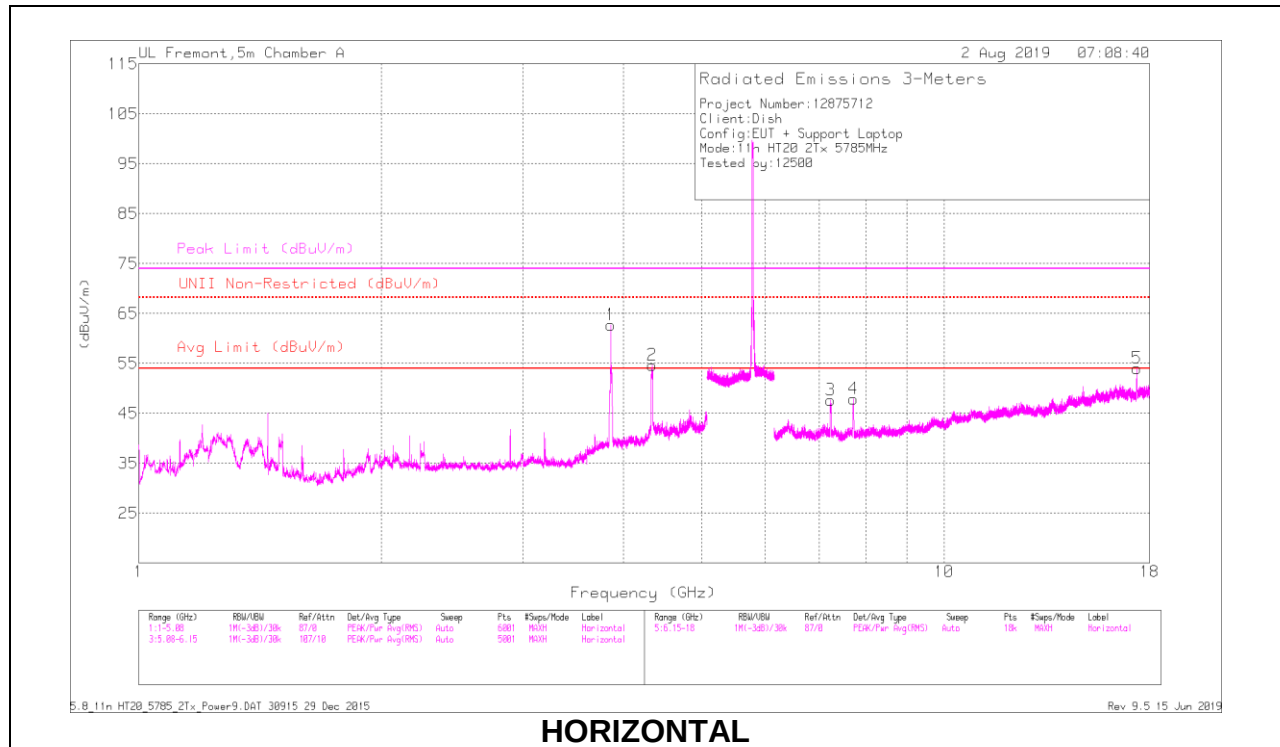
Marker	Frequency (Hz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	U-NII Non-Restricted (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 1.436	53.09	PK-U	28.4	-31.7	0	49.79	-	-	74	-24.21	-	-	20	275	H
	* 1.436	48.31	ADR	28.4	-31.7	.18	45.19	54	-8.81	-	-	-	-	20	275	H
3	* 4.316	55.75	PK-U	33.6	-27.5	0	61.85	-	-	74	-12.15	-	-	48	265	H
	* 4.316	45.24	ADR	33.6	-27.5	.18	51.52	54	-2.48	-	-	-	-	48	265	H
2	* 3.83	55.49	PK-U	33.7	-28.1	0	61.09	-	-	74	-12.91	-	-	15	317	H
	* 3.83	46.05	ADR	33.7	-28.1	.18	51.83	54	-2.17	-	-	-	-	15	317	H
5	* 7.66	44.14	PK-U	35.8	-22.4	0	57.54	-	-	74	-16.46	-	-	4	250	H
	* 7.66	33.51	ADR	35.8	-22.4	.18	47.09	54	-6.91	-	-	-	-	4	250	H
4	7.189	41.98	PK-U	36	-24.2	0	53.78	-	-	-	-	68.2	-14.42	353	207	H
6	17.234	38.12	PK-U	41	-19.2	0	59.92	-	-	-	-	68.2	-8.28	349	288	H

* - 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



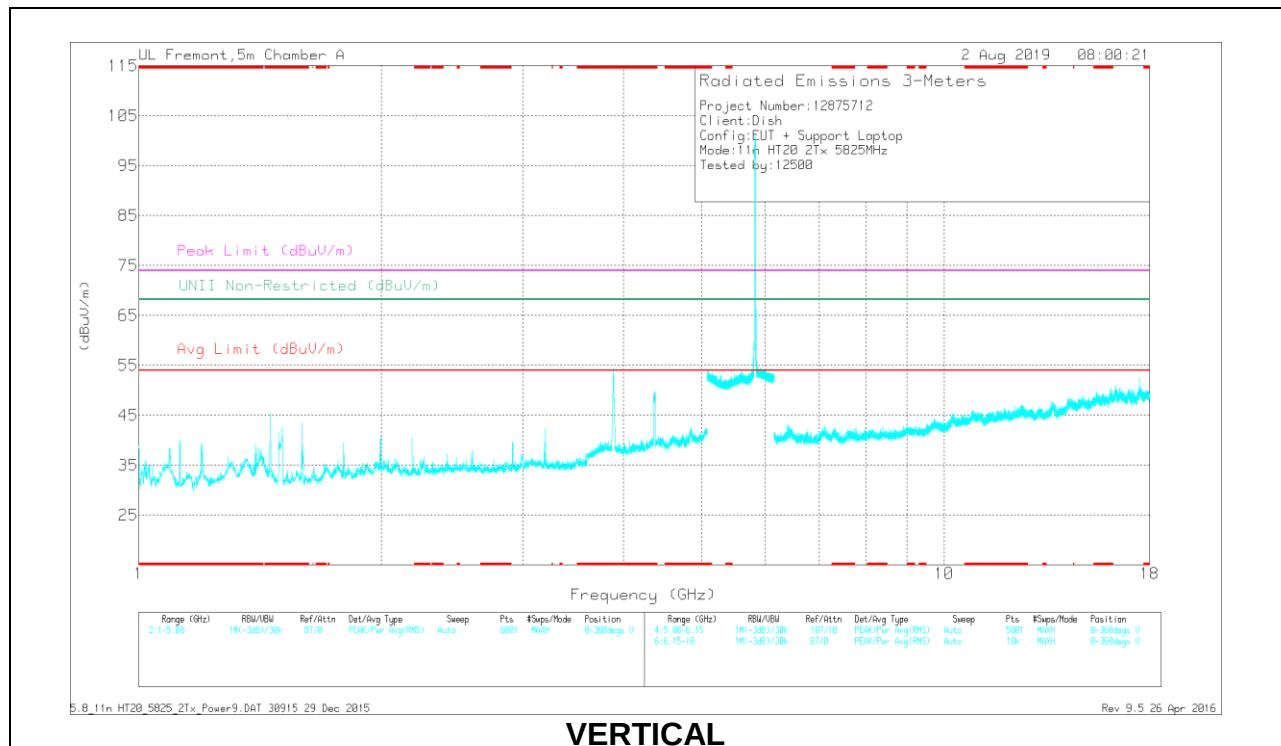
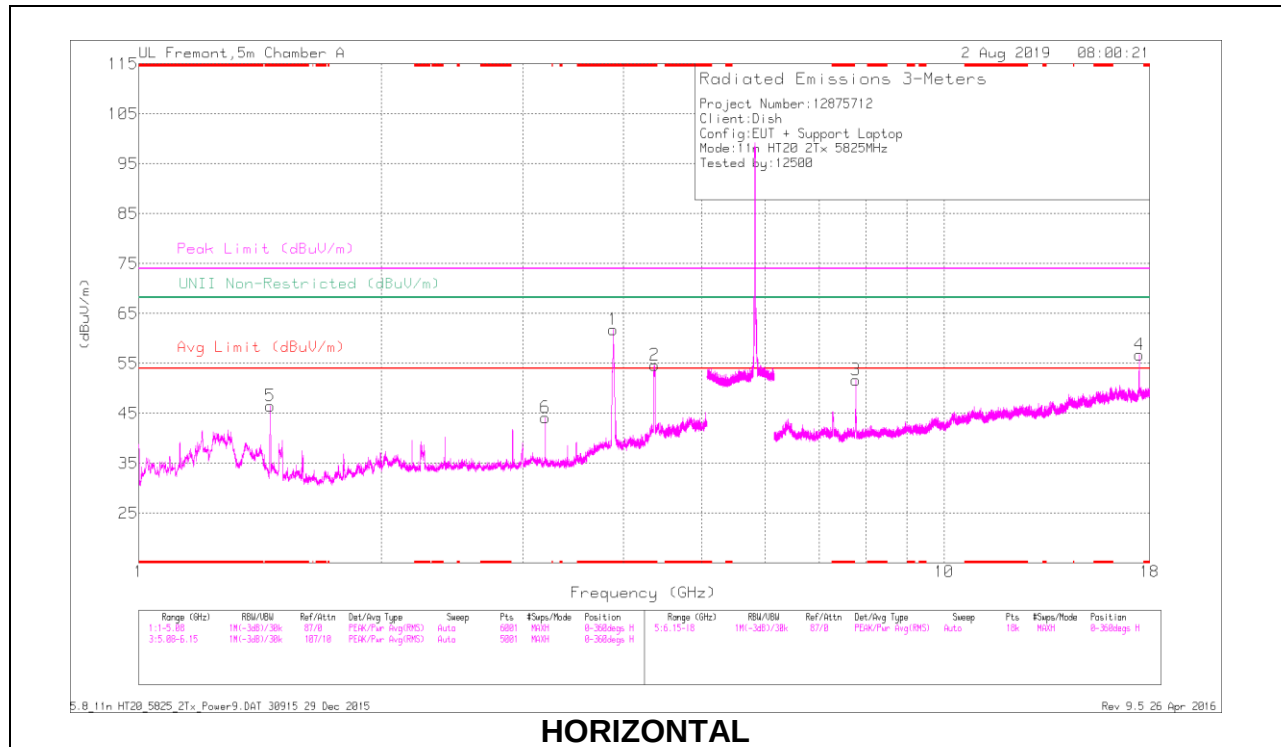
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Amplitude (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)	Altitude (Degs)	Height (cm)	Polarity
2	4.3413	56.64	PK-U	33.7	-28.1	0	62.24	-	-	74	-11.76	-	-	52	265	H
	4.34076	46.18	ADR	33.7	-28.1	.18	51.96	54	-2.04	-	-	-	-	52	265	H
1	3.85711	57.36	PK-U	33.7	-28.4	0	62.66	-	-	74	-11.34	-	-	6	293	H
	3.85667	47	ADR	33.7	-28.4	.18	52.48	54	-1.52	-	-	-	-	6	293	H
6	2.597	48.34	PK-U	32.5	-30.2	0	50.64	-	-	-	-	68.2	-17.56	184	400	V
4	7.71441	42.67	PK-U	35.9	-23.1	0	55.47	-	-	74	-18.53	-	-	10	208	H
	7.71422	30.87	ADR	35.8	-23.1	.18	43.75	54	-10.25	-	-	-	-	10	208	H
3	7.23288	40.96	PK-U	36	-24.1	0	52.86	-	-	-	-	68.2	-15.34	337	287	H
5	17.36322	39.36	PK-U	41	-19.4	0	60.96	-	-	-	-	68.2	-7.24	181	202	H

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Frequenc y (MHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Ctrl/Fir/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Unlit Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.371	58.16	PK-U	33.6	-28.3	0	63.46	-	-	74	-10.54	-	-	47	292	H
* 4.371	47.69	ADR	33.6	-28.3	.18	53.17	54	-.83	-	-	-	-	47	292	H
* 3.883	59.65	PK-U	33.5	-28.7	0	64.45	-	-	74	-9.55	-	-	18	288	H
* 3.883	48.68	ADR	33.5	-28.7	.18	53.66	54	-.34	-	-	-	-	18	284	H
* 1.456	51.06	PK-U	28.4	-31.7	0	47.76	-	-	74	-26.24	-	-	10	218	H
* 1.456	46.9	ADR	28.4	-31.7	.18	43.78	54	-10.22	-	-	-	-	10	218	H
3.197	49.95	PK-U	32.9	-29.3	0	52.55	-	-	-	-	68.2	-15.65	271	293	H
7.767	43.42	PK-U	35.8	-23.4	0	55.82	-	-	-	-	68.2	-12.38	9	250	H
17.47	40.11	PK-U	41.1	-19	0	62.21	-	-	-	-	68.2	-5.99	205	271	H

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

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average