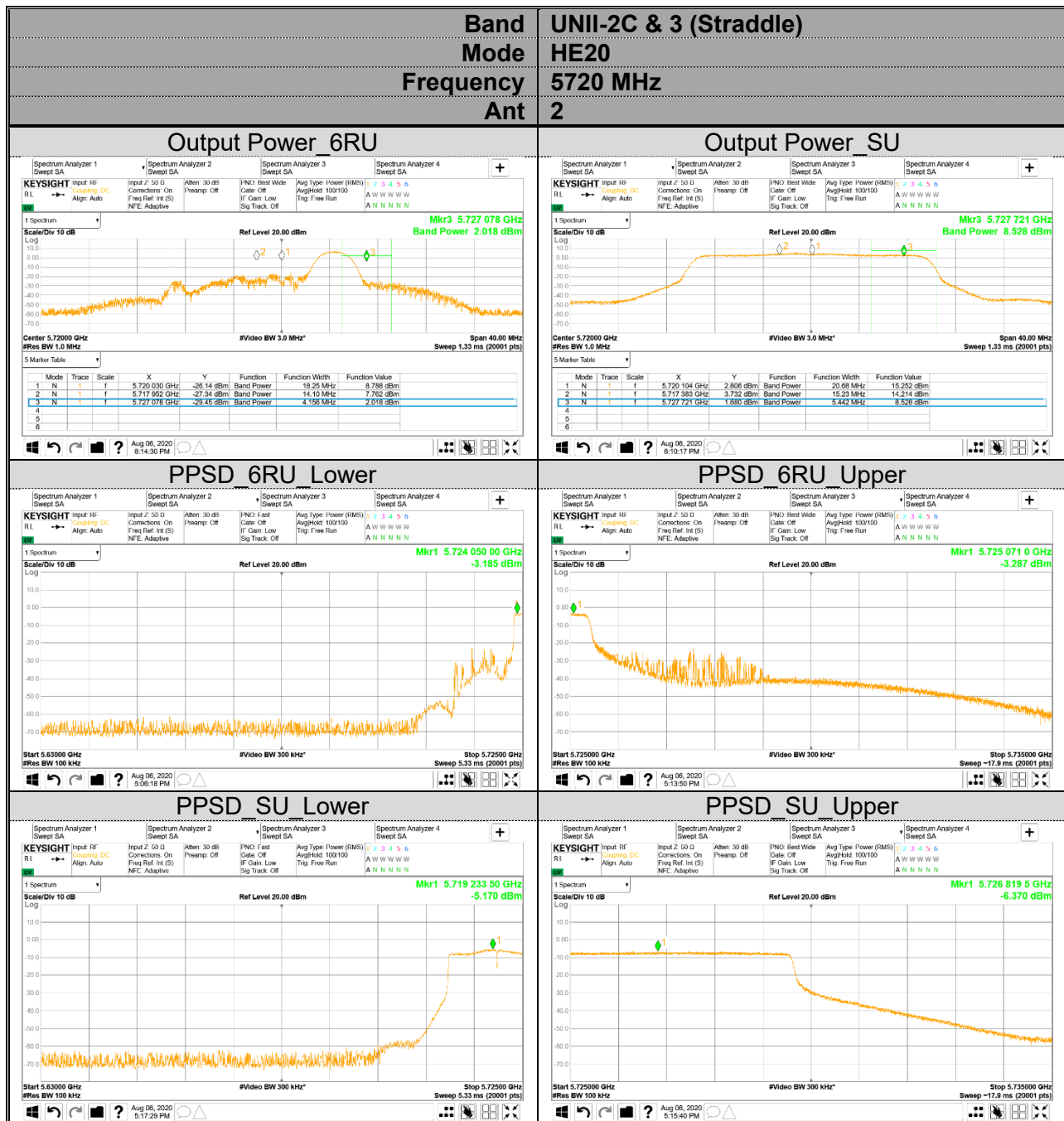
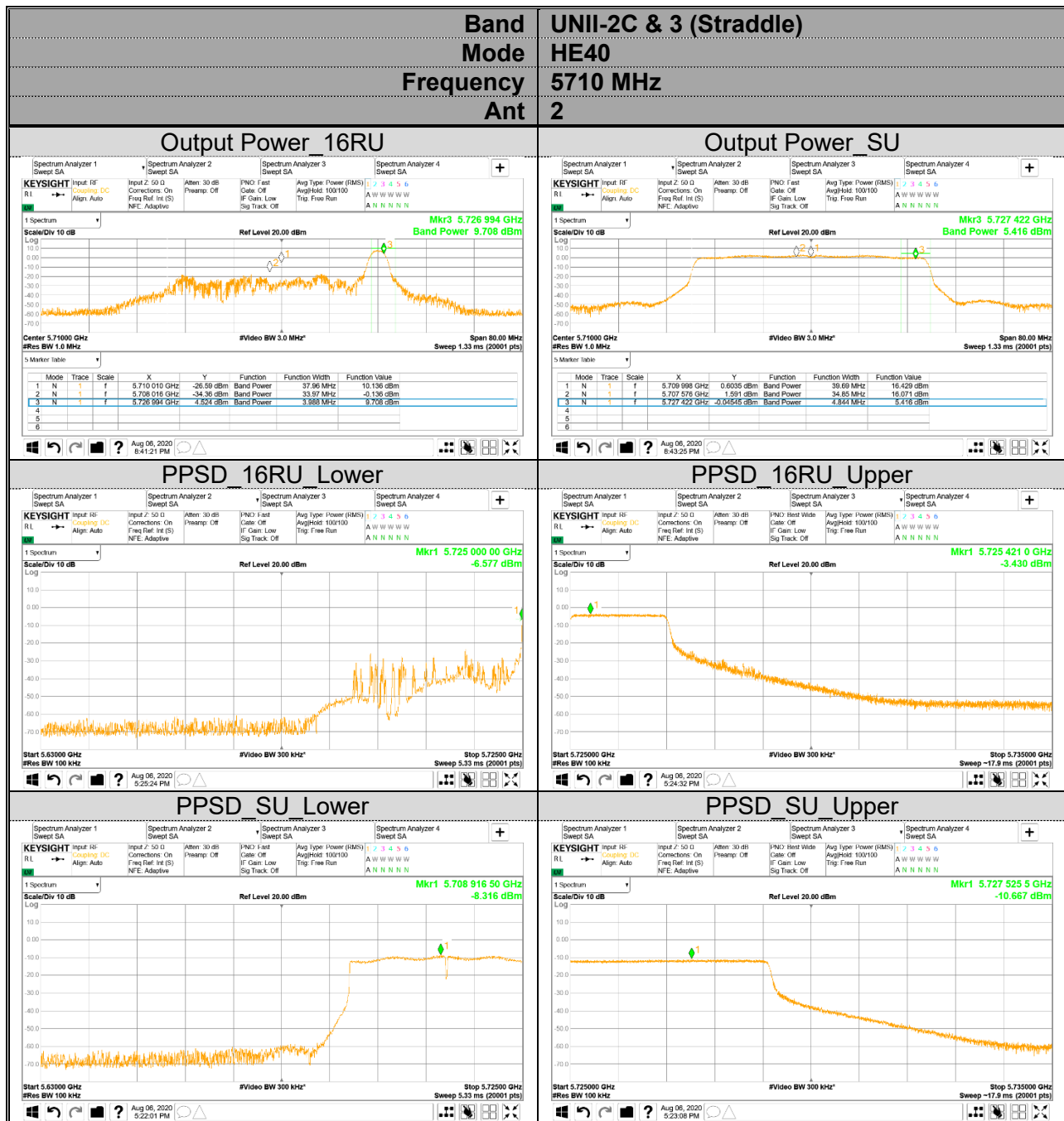
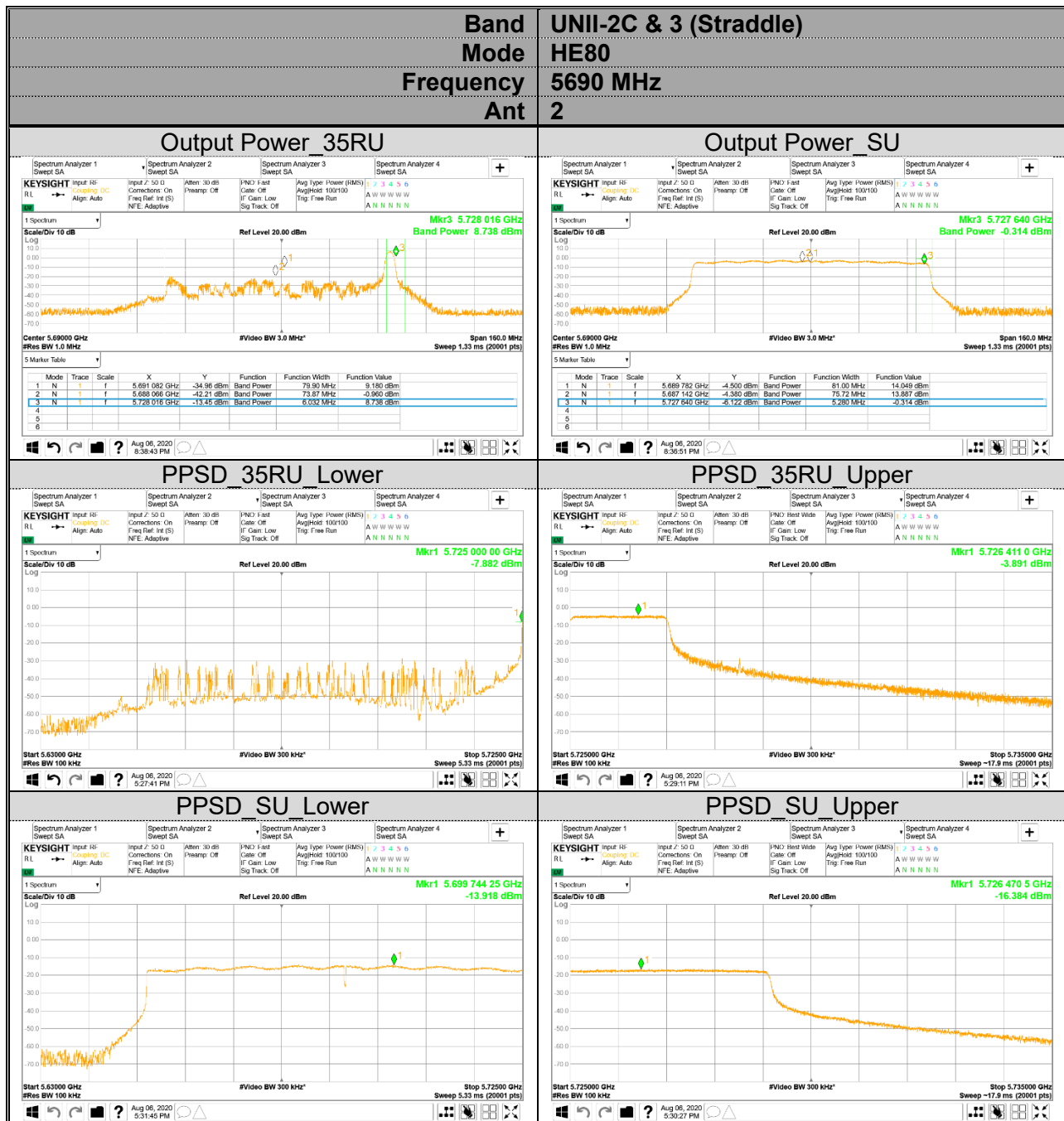
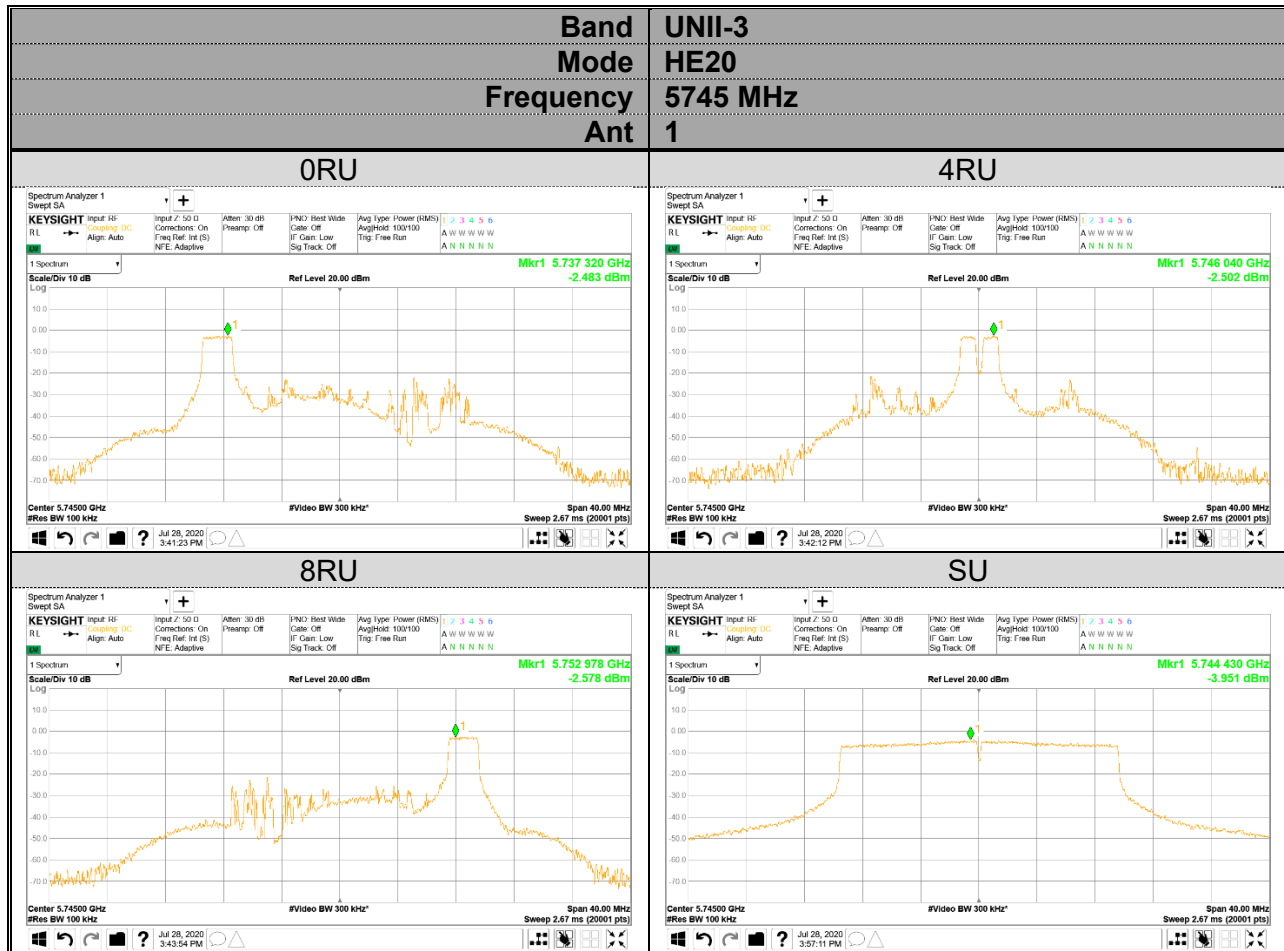


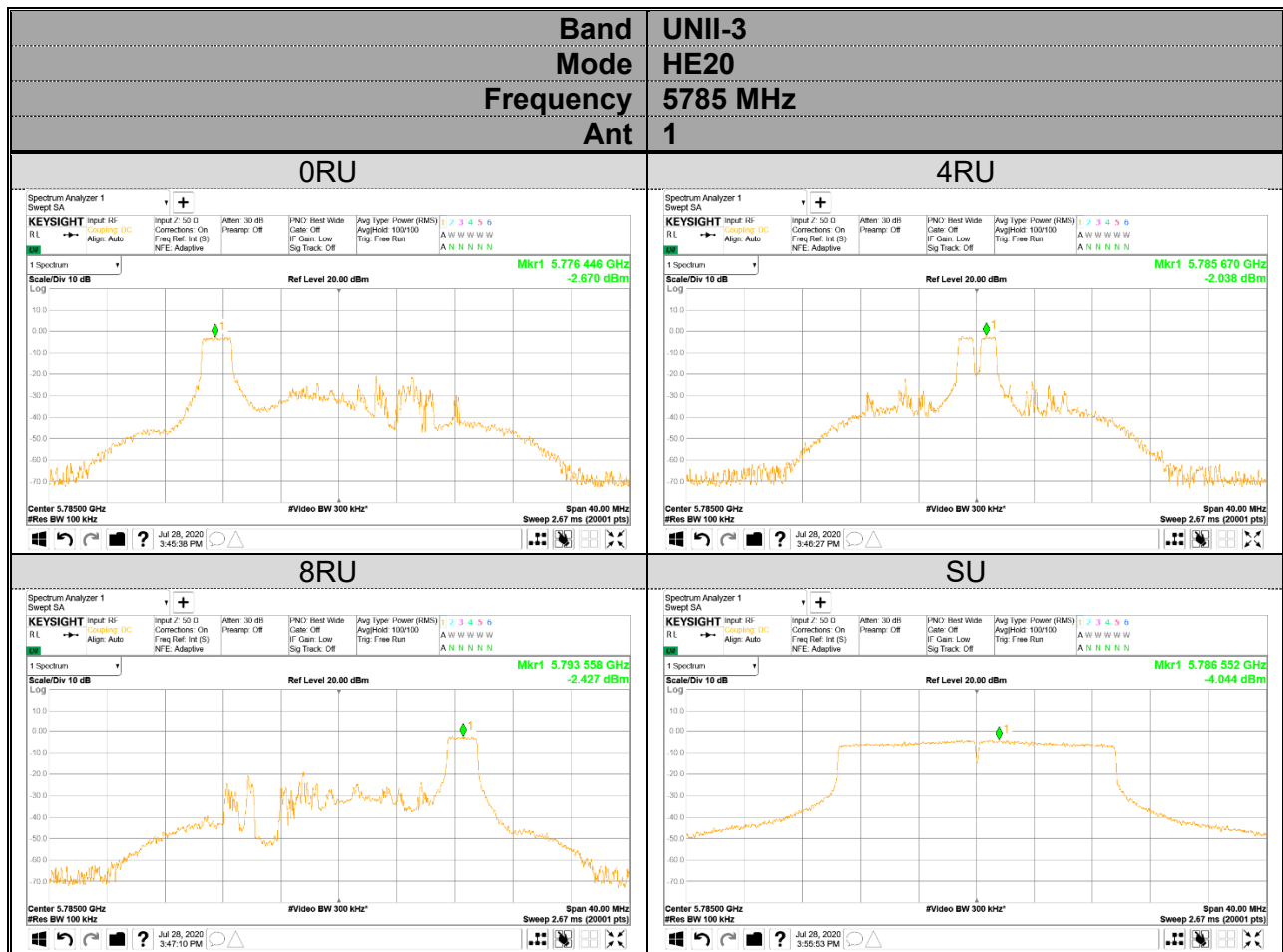


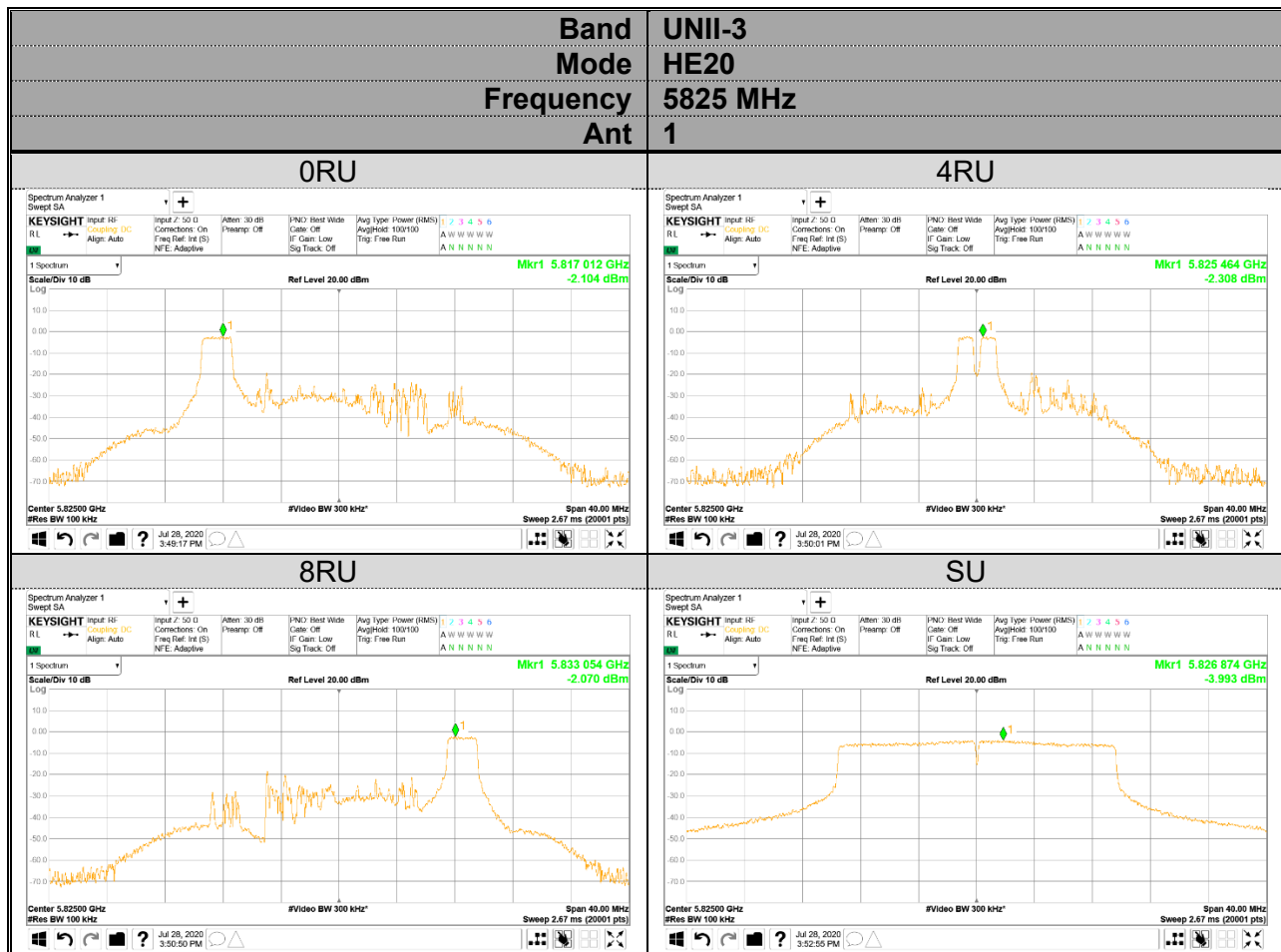


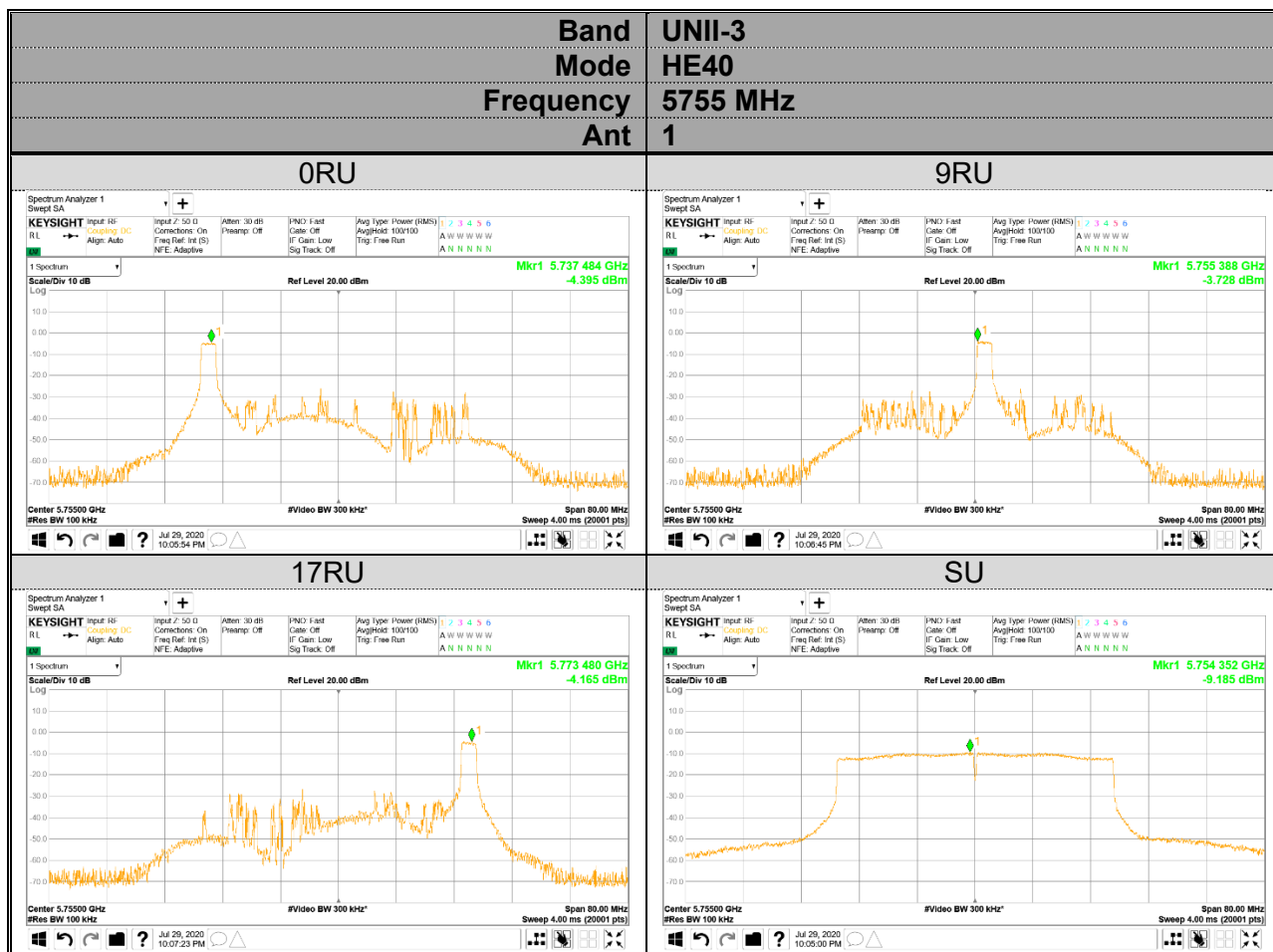


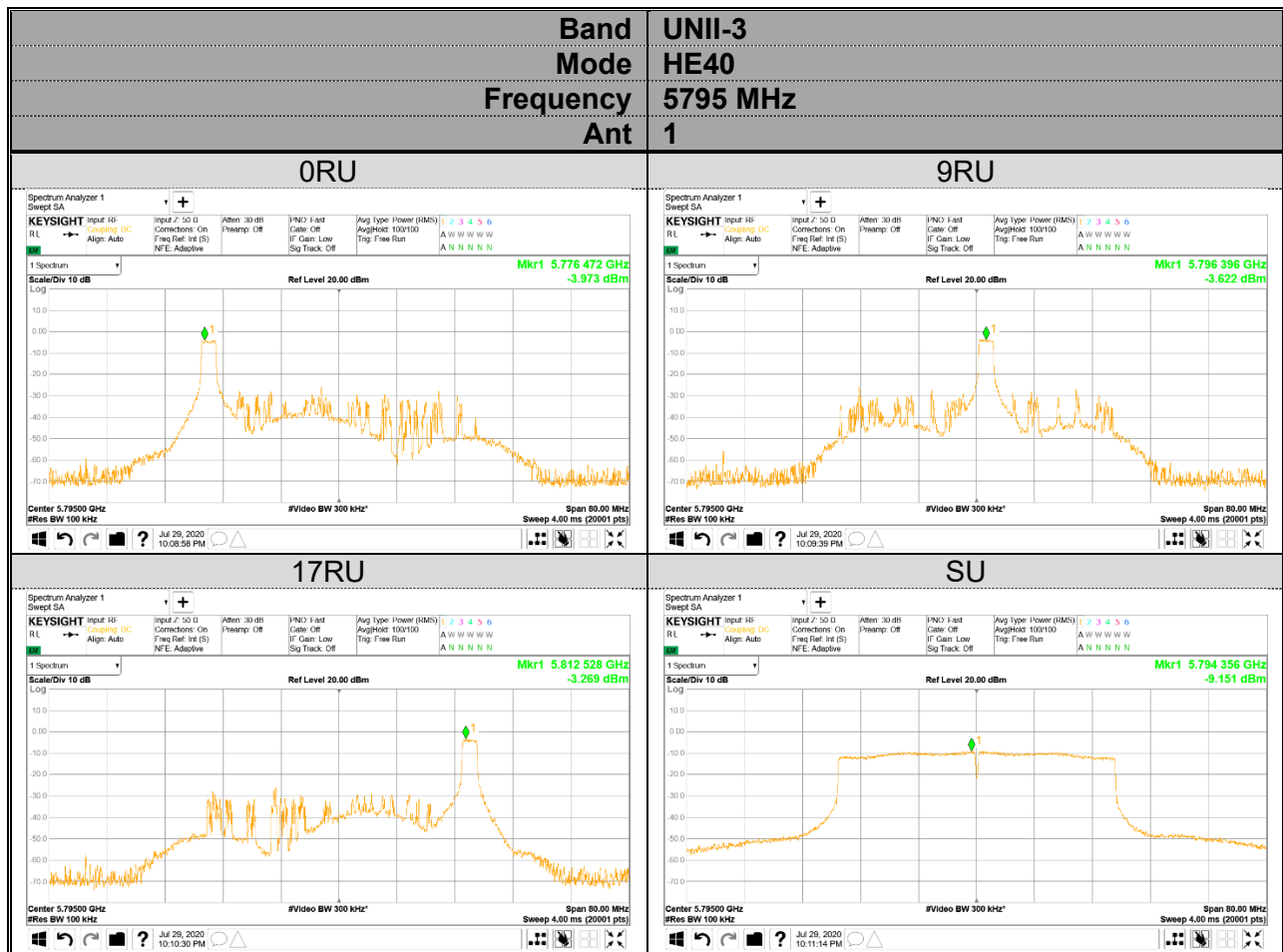
10.2.14. TEST PLOT_802.11ax 2Tx (MIMO) MODE 5.8 GHz BAND

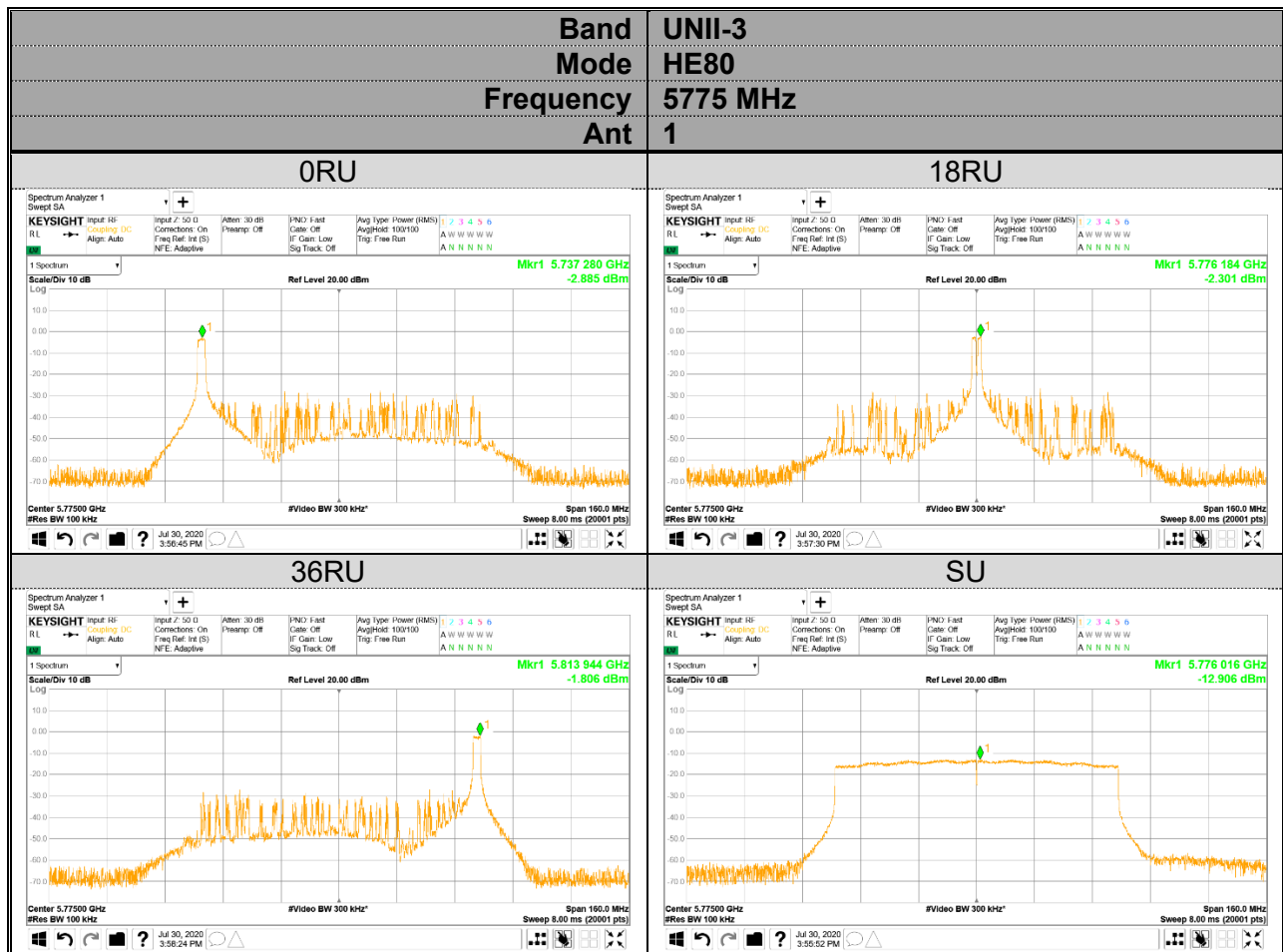


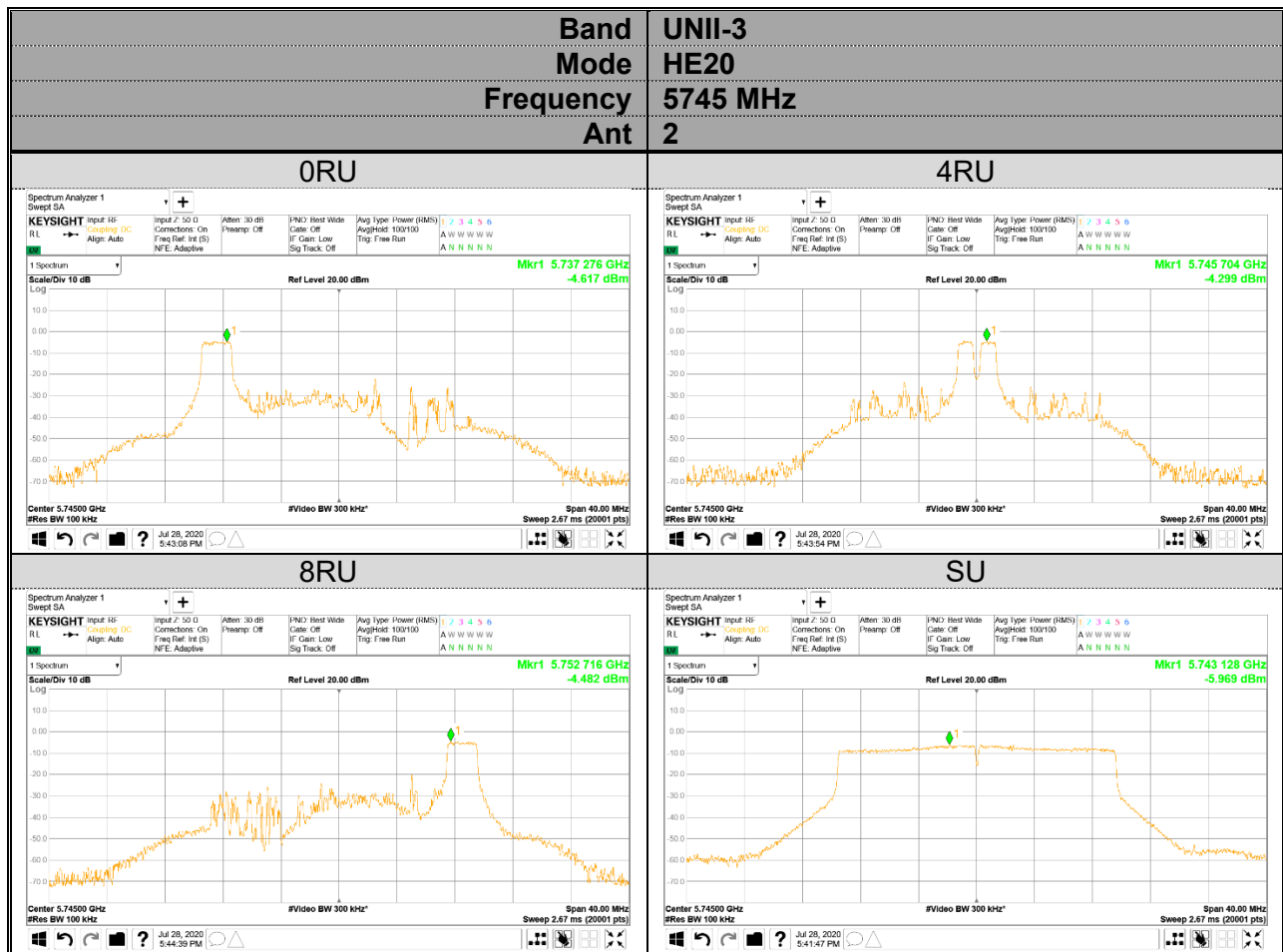


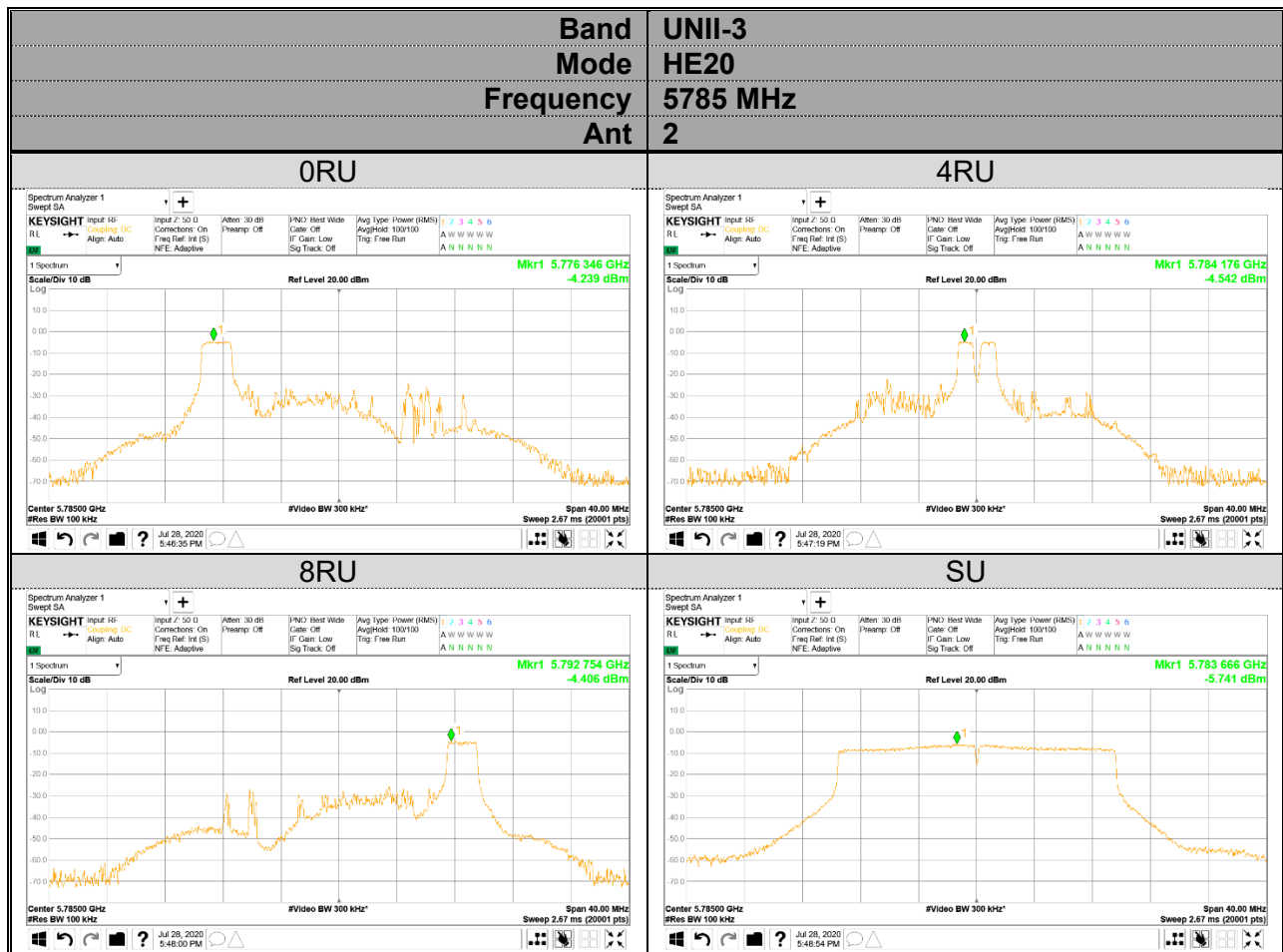


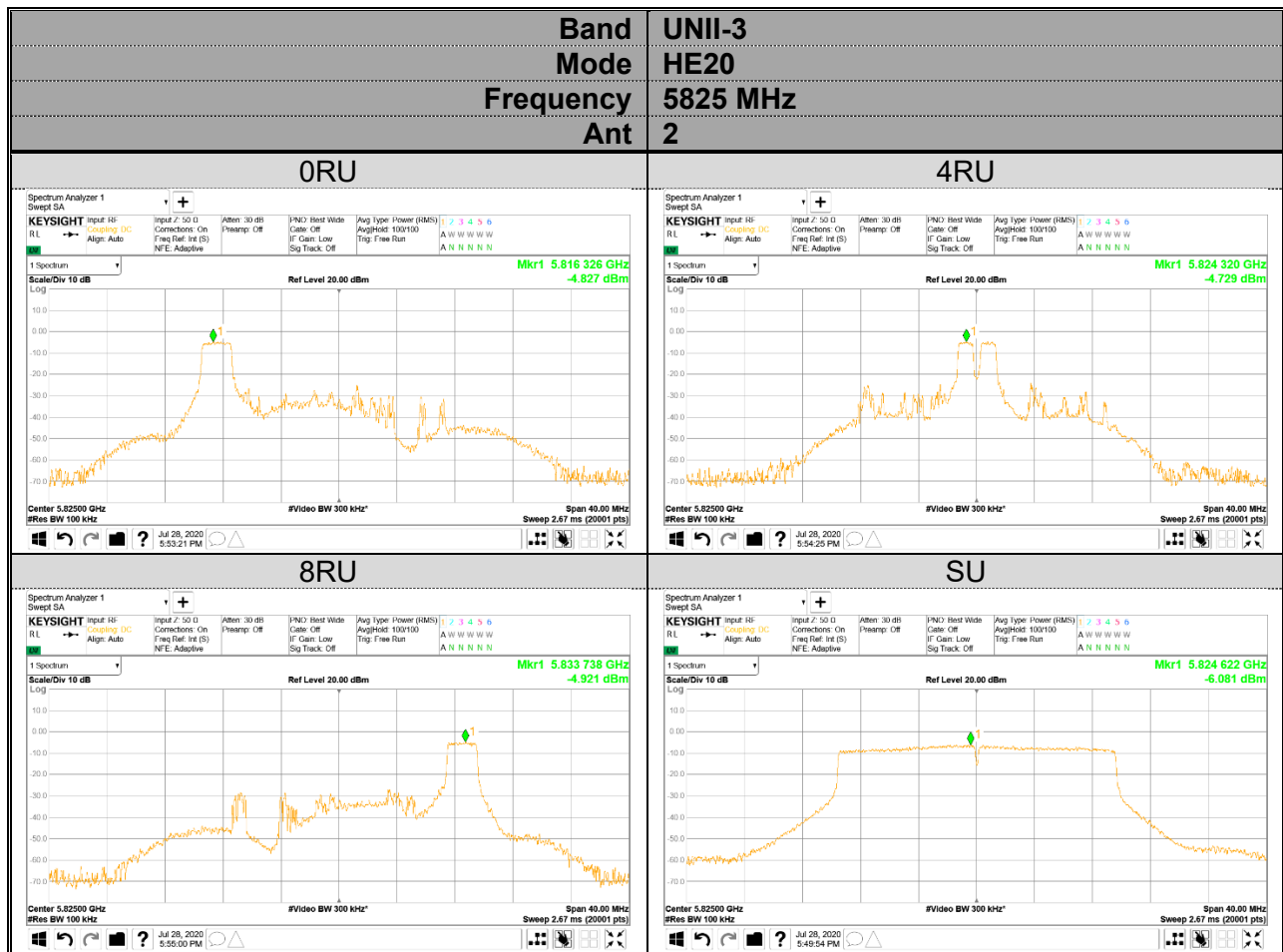


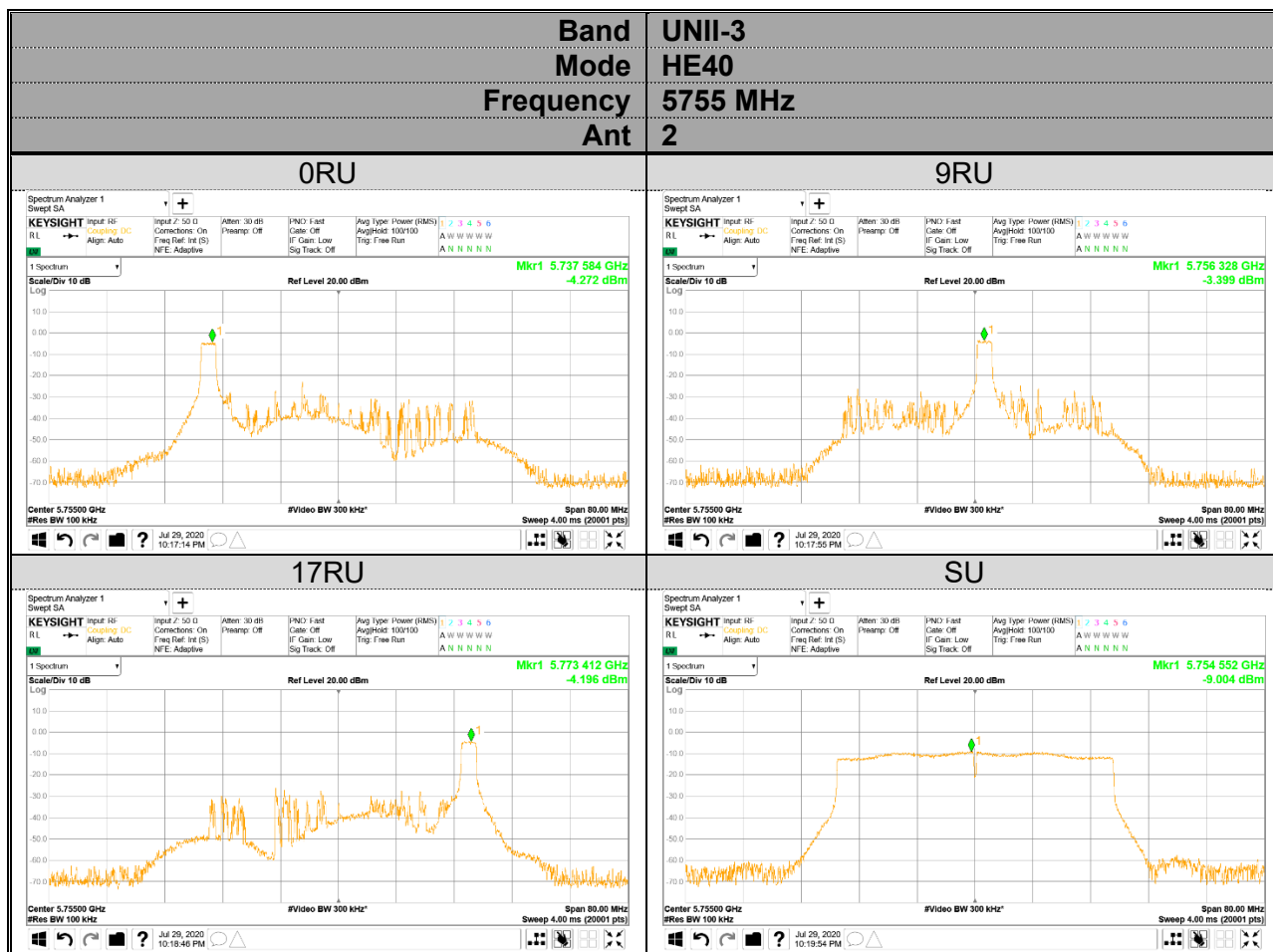


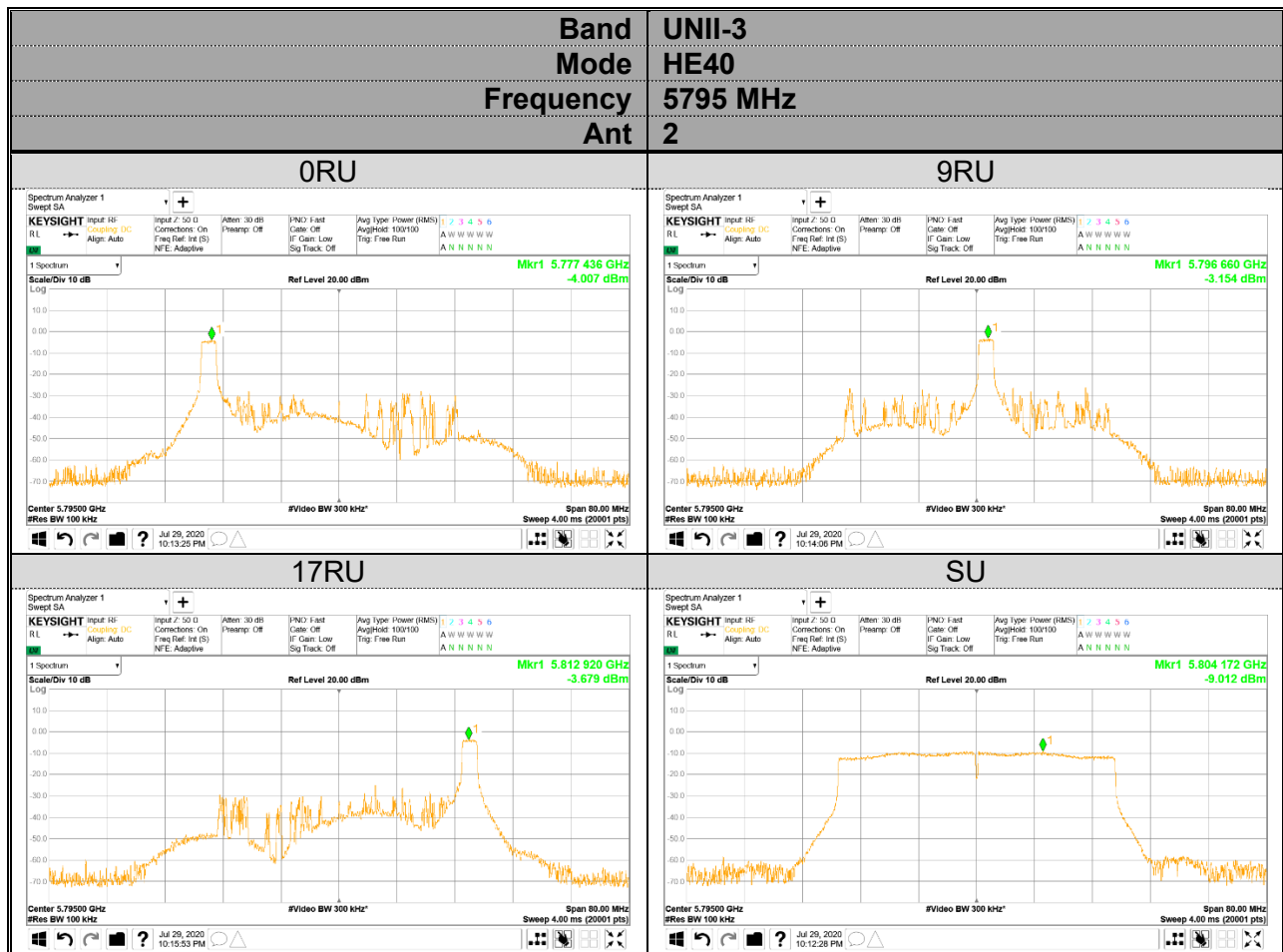


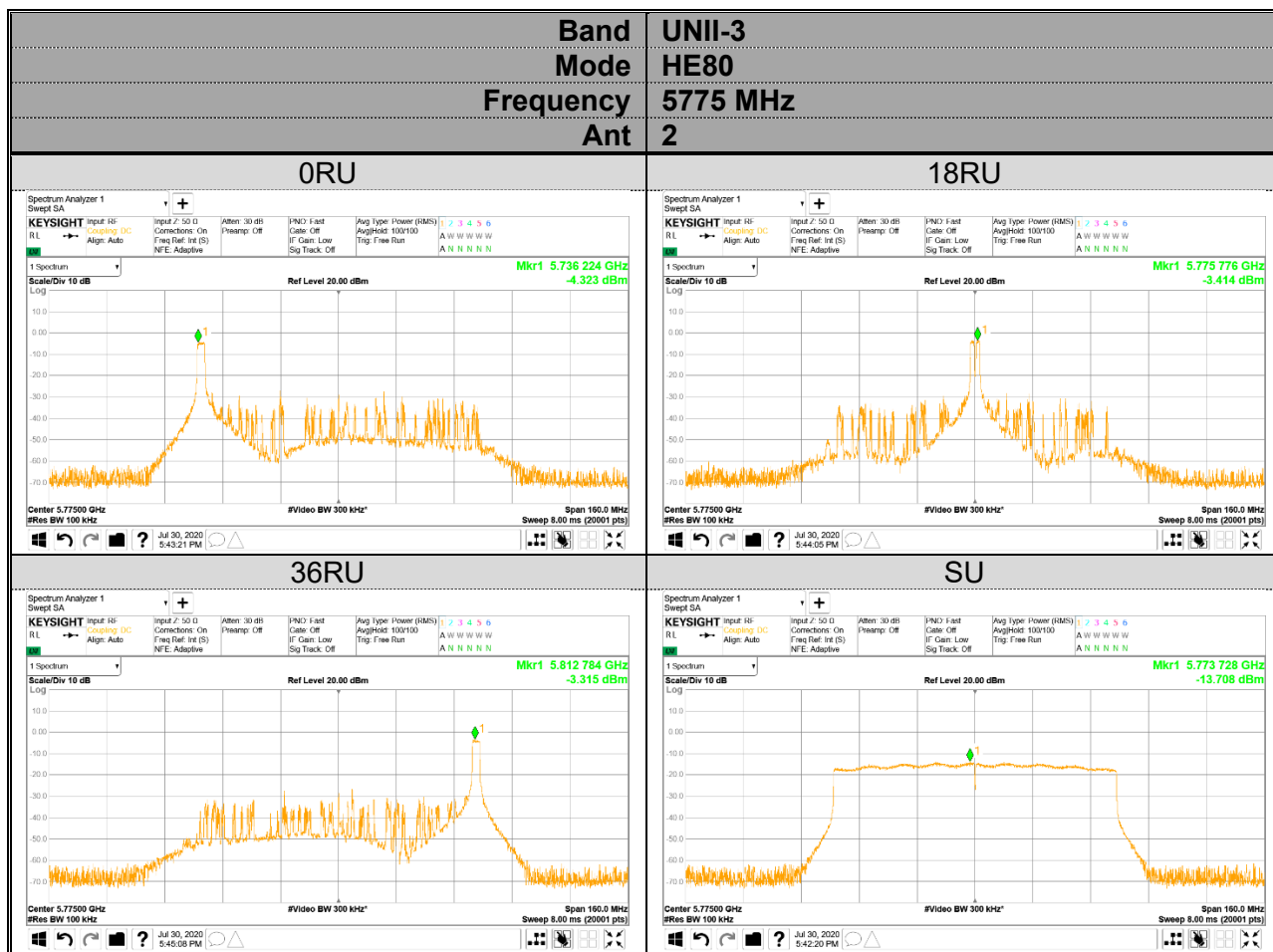












11. TRANSMITTER ABOVE 1 GHz

LIMITS

FCC §15.205 and §15.209

Limits for radiated disturbance of an intentional radiator		
Frequency range (MHz)	Limits (µV/m)	Measurement Distance (m)
0.009 – 0.490	2400 / F (kHz)	300
0.490 – 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30 – 88	100**	3
88 - 216	150**	3
216 – 960	200**	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g. §§ 15.231 and 15.241.

FCC Part 15.205 (a) : Only spurious emissions are permitted in any of the frequency bands listed below :

MHz	MHz	MHz	MHz	GHz	GHz
0.009 ~ 0.110	8.41425 ~ 8.41475	108 ~ 121.94	1300 ~ 1427	4.5 ~ 5.15	14.47 ~ 14.5
0.495 ~ 0.505	12.29 ~ 12.293	123 ~ 138	1435 ~ 1626.5	5.35 ~ 5.46	15.35 ~ 16.2
2.1735 ~ 2.1905	12.51975 ~ 12.52025	149.9 ~ 150.05	1645.5 ~ 1646.5	7.25 ~ 7.75	17.7 ~ 21.4
4.125 ~ 4.128	12.57675 ~ 12.57725	156.52475 ~ 156.52525	1660 ~ 1710	8.025 ~ 8.5	22.01 ~ 23.12
4.17725 ~ 4.17775	13.36 ~ 13.41	156.7 ~ 156.9	1718.8 ~ 1722.2	9.0 ~ 9.2	23.6 ~ 24.0
4.20725 ~ 4.20775	16.42 ~ 16.423	162.0125 ~ 167.17	2200 ~ 2300	9.3 ~ 9.5	31.2 ~ 31.8
6.215 ~ 6.218	16.69475 ~ 16.69525	167.72 ~ 173.2	2310 ~ 2390	10.6 ~ 12.7	36.43 ~ 36.5
6.26775 ~ 6.26825	16.80425 ~ 16.80475	240 ~ 285	2483.5 ~ 2500	13.25 ~ 13.4	Above 38.6
6.31175 ~ 6.31225	25.5 ~ 25.67	322 ~ 335.4	2655 ~ 2900		
8.291 ~ 8.294	37.5 ~ 38.25	399.90 ~ 410	3260 ~ 3267		
8.362 ~ 8.366	73 ~ 74.6	608 ~ 614	3332 ~ 3339		
8.37625 ~ 8.38675	74.8 ~ 75.2	960 ~ 1240	3345.8 ~ 3358		
			3600 ~ 4400		

▪ FCC Part 15.205(b) : The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

FCC §15.407 (b)

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

Note

- Limit translation to field strength level (FCC §15.407)

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2 = -27\text{dBm} + 95.2 = 68.2\text{dBuV/m}$$

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2 = -17\text{dBm} + 95.2 = 78.2\text{dBuV/m}$$

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1 GHz and 150 cm for above 1 GHz. 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.

Reference to KDB 789033 D02 v02r01 UNII part G) 6) c) Method AD:

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor to the reading offset for average measurements.

Pre-scans to detect harmonic and spurious emissions, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

The spectrum from 1 GHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

(From 30 MHz to 1GHz, test was performed with the EUT set to transmit at the channel with highest output power)

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.

Note : Emission was pre-scanned from 9 kHz to 30 MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).

Per FCC part 15.31(o), test results were not reported.

Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open field test site.

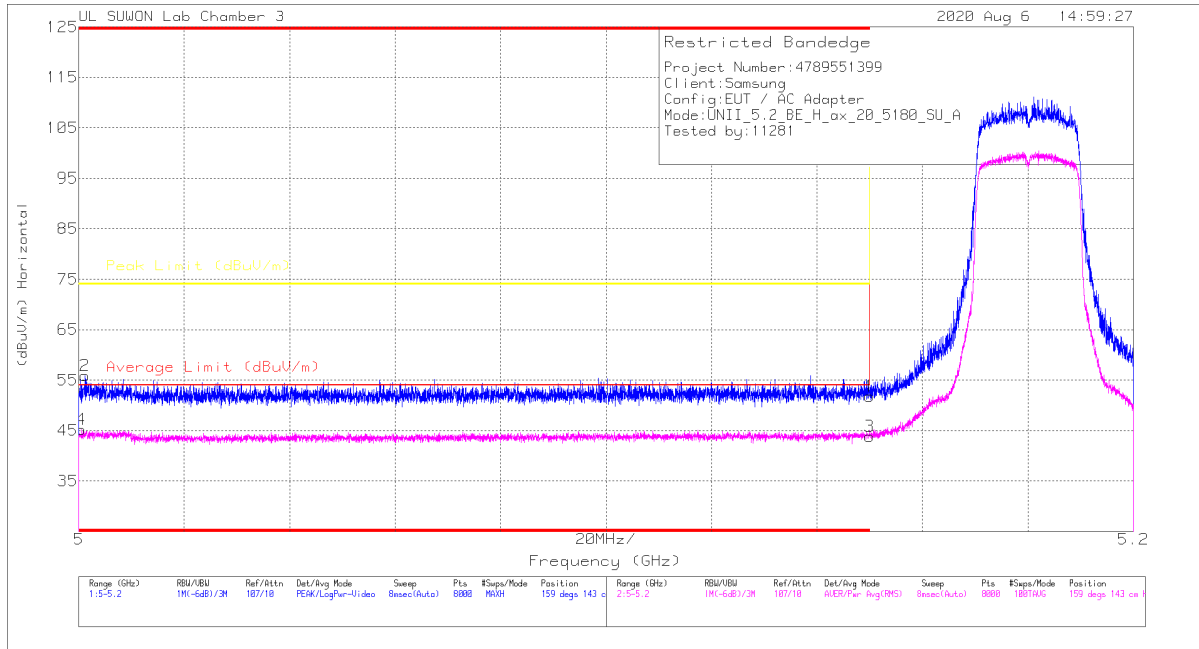
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

11.1. RADIATED TEST_2Tx (MIMO)

11.1.1. RESTRICTED BAND-EDGE_5.2GHz BAND LOW CHANNEL

HE20 SU mode (MIMO)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

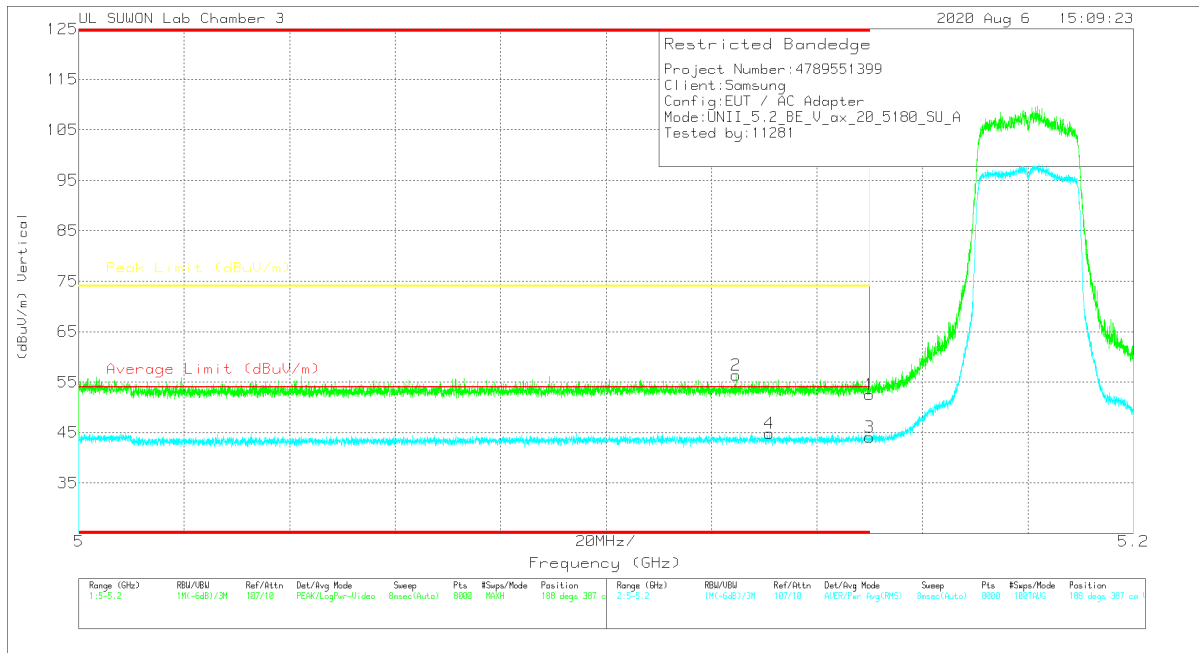
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	36.01	Pk	34.4	-18.6	51.81	-	-	74	-22.19	159	143	H
2	* 5.00123	40.37	Pk	34.2	-18.7	55.87	-	-	74	-18.13	159	143	H
3	* 5.14999	28.06	RMS	34.4	-18.6	43.86	54	-10.14	-	-	159	143	H
4	* 5.00045	29.71	RMS	34.2	-18.7	45.21	54	-8.79	-	-	159	143	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	36.67	Pk	34.4	-18.6	52.47	-	-	74	-21.53	188	387	V
2	* 5.12464	40.55	Pk	34.4	-18.6	56.35	-	-	74	-17.65	188	387	V
3	* 5.14999	28.31	RMS	34.4	-18.6	44.11	54	-9.89	-	-	188	387	V
4	* 5.13099	29.05	RMS	34.4	-18.6	44.85	54	-9.15	-	-	188	387	V

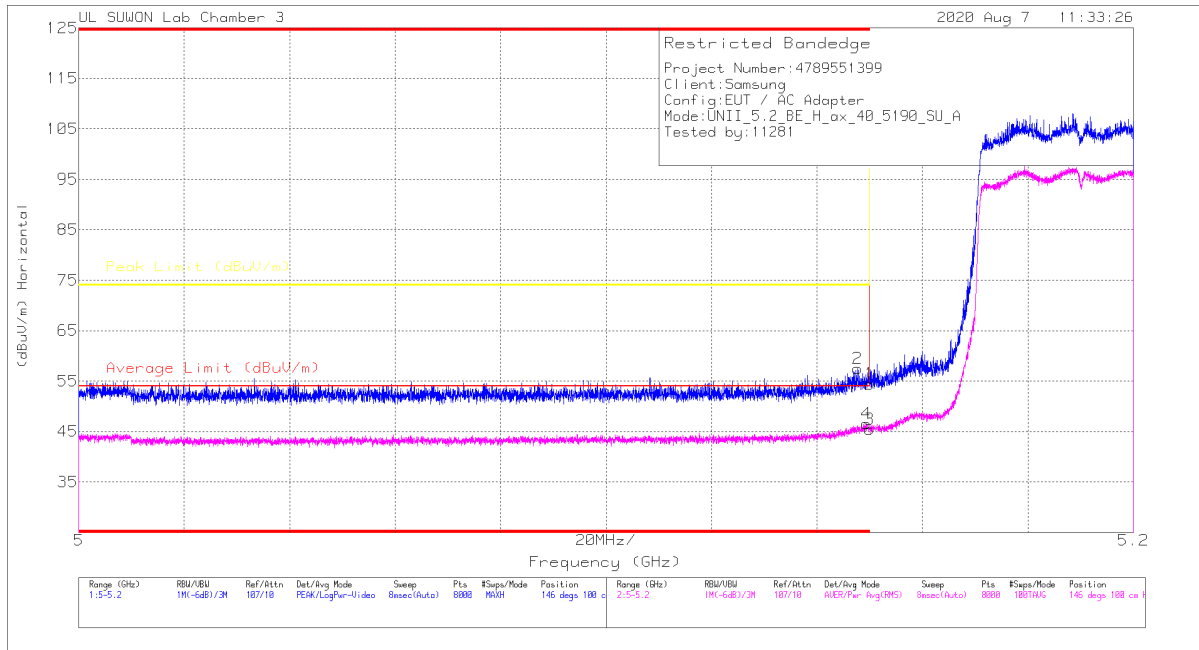
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE40 SU mode (MIMO)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

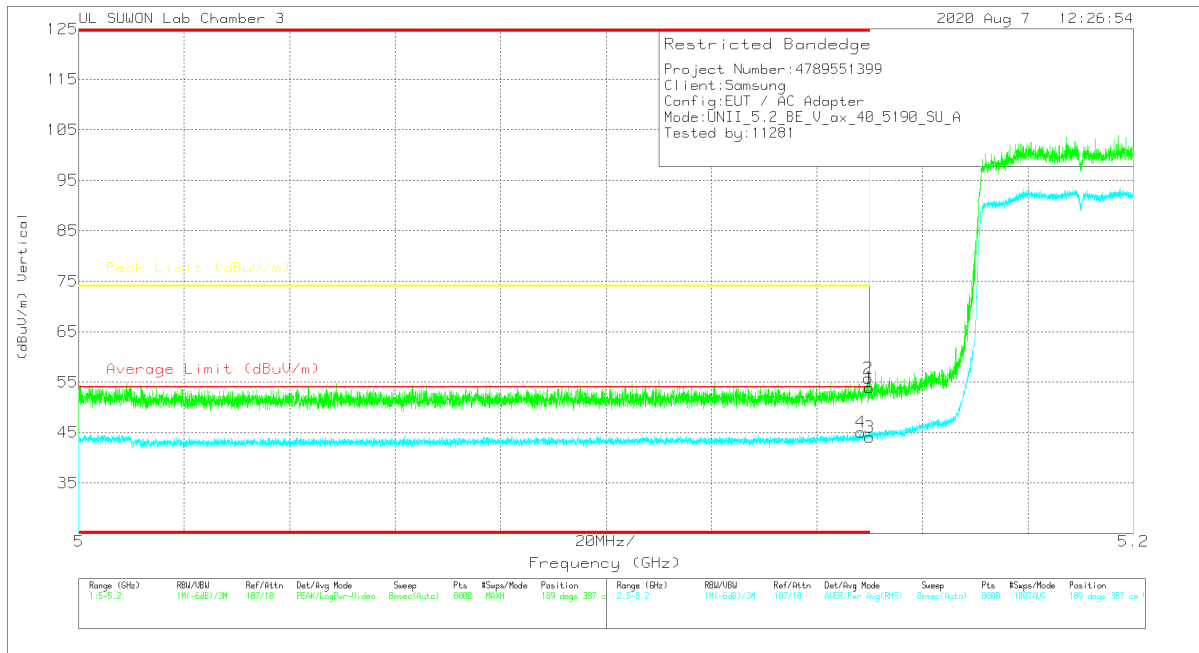
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	38.65	Pk	34.4	-18.6	54.45	-	-	74	-19.55	146	100	H
2	* 5.14767	41.67	Pk	34.4	-18.6	57.47	-	-	74	-16.53	146	100	H
3	* 5.14999	29.61	RMS	34.4	-18.6	45.41	54	-8.59	-	-	146	100	H
4	* 5.14937	30.82	RMS	34.4	-18.6	46.62	54	-7.38	-	-	146	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	38.04	Pk	34.4	-18.6	53.84	-	-	74	-20.16	189	387	V
2	* 5.14974	39.93	Pk	34.4	-18.6	55.73	-	-	74	-18.27	189	387	V
3	* 5.14999	28.24	RMS	34.4	-18.6	44.04	54	-9.96	-	-	189	387	V
4	* 5.14827	29.25	RMS	34.4	-18.6	45.05	54	-8.95	-	-	189	387	V

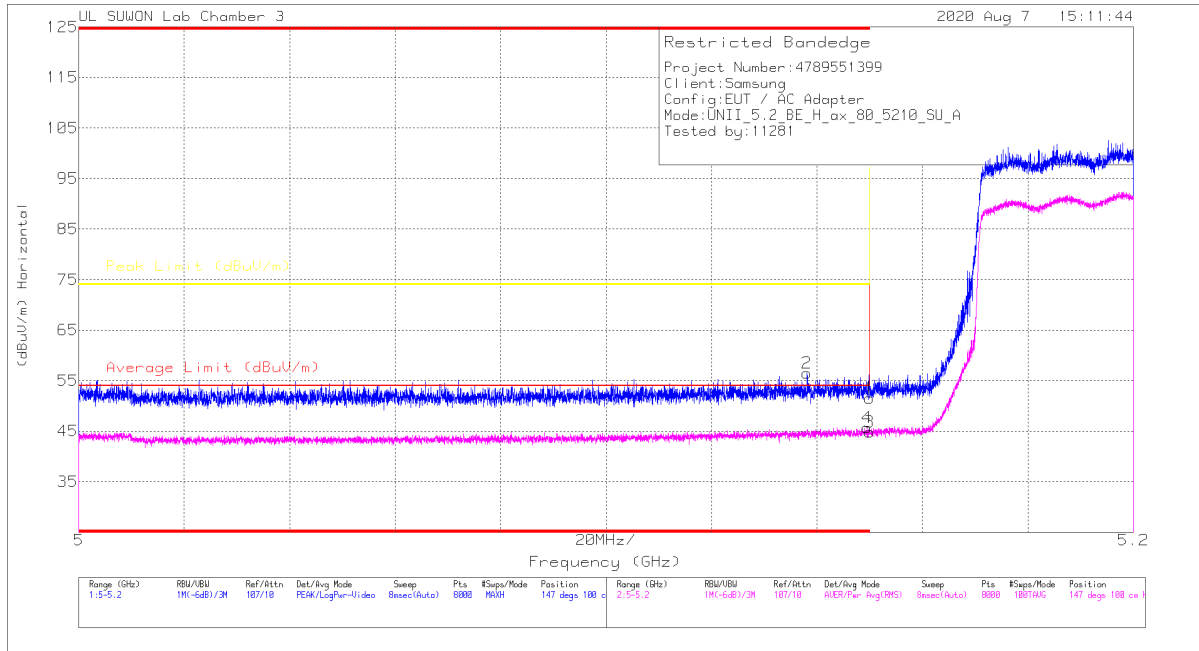
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE80 SU mode (MIMO)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

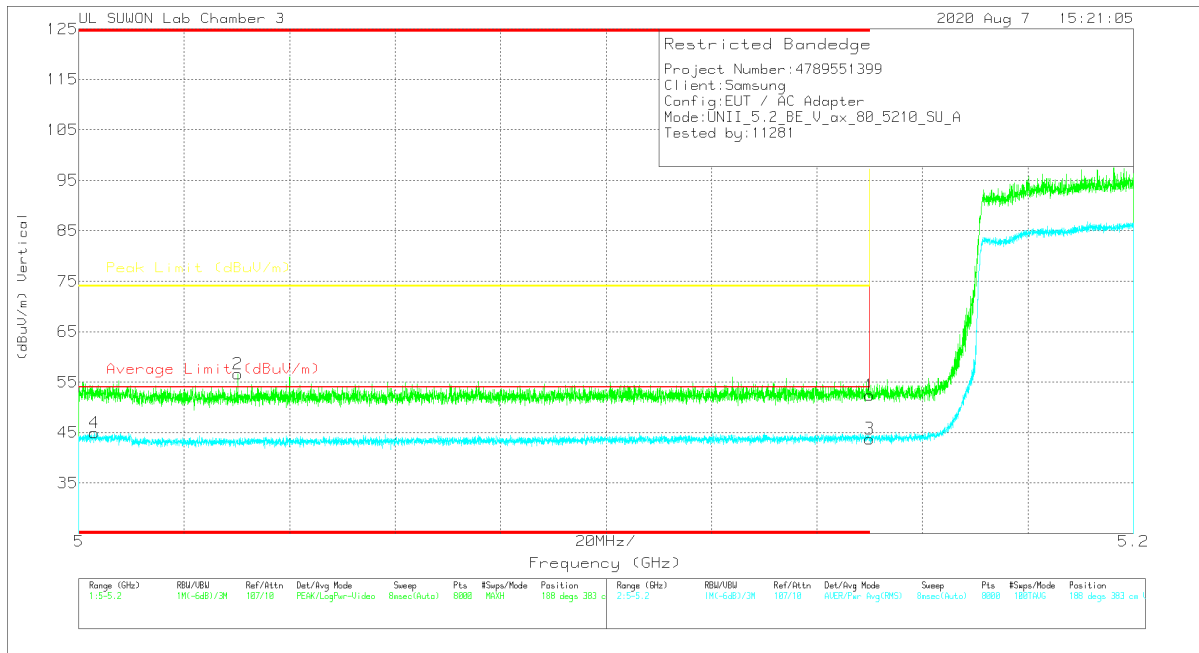
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	35.78	Pk	34.4	-18.6	51.58	-	-	74	-22.42	147	100	H
2	* 5.13812	40.72	Pk	34.4	-18.6	56.52	-	-	74	-17.48	147	100	H
3	* 5.14999	29.05	RMS	34.4	-18.6	44.85	54	-9.15	-	-	147	100	H
4	* 5.14947	29.95	RMS	34.4	-18.6	45.75	54	-8.25	-	-	147	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	36.64	Pk	34.4	-18.6	52.44	-	-	74	-21.56	188	383	V
2	* 5.0302	40.99	Pk	34.3	-18.7	56.59	-	-	74	-17.41	188	383	V
3	* 5.14999	27.97	RMS	34.4	-18.6	43.77	54	-10.23	-	-	188	383	V
4	* 5.00293	29.45	RMS	34.2	-18.7	44.95	54	-9.05	-	-	188	383	V

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

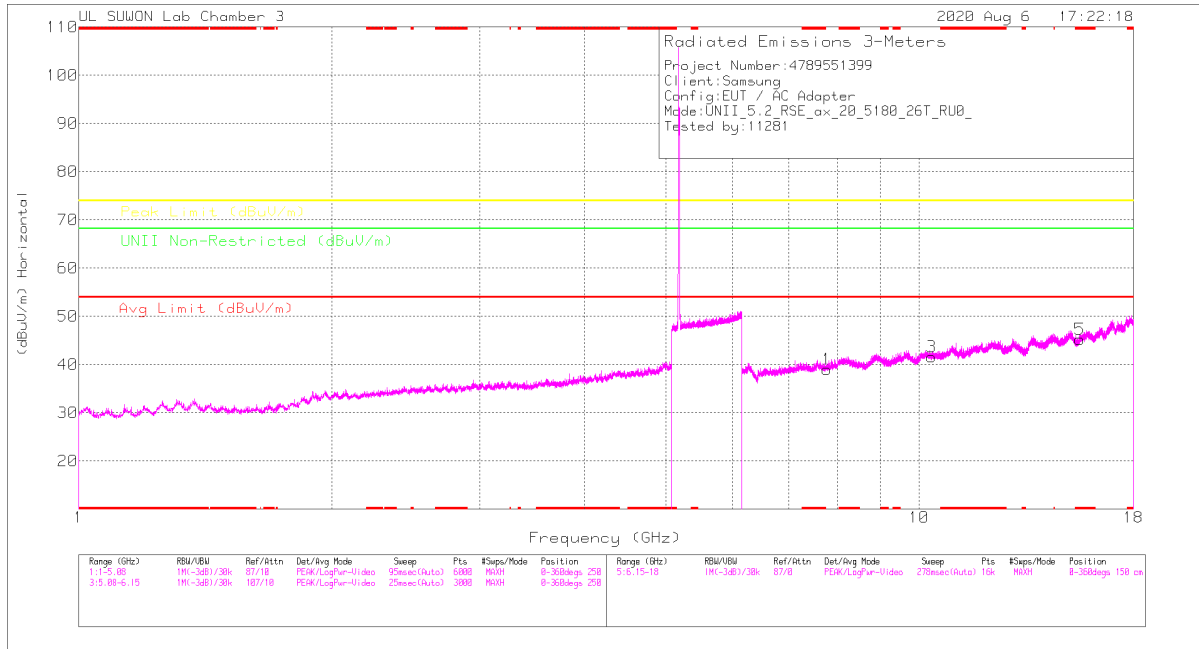
Pk - Peak detector

RMS - RMS detection

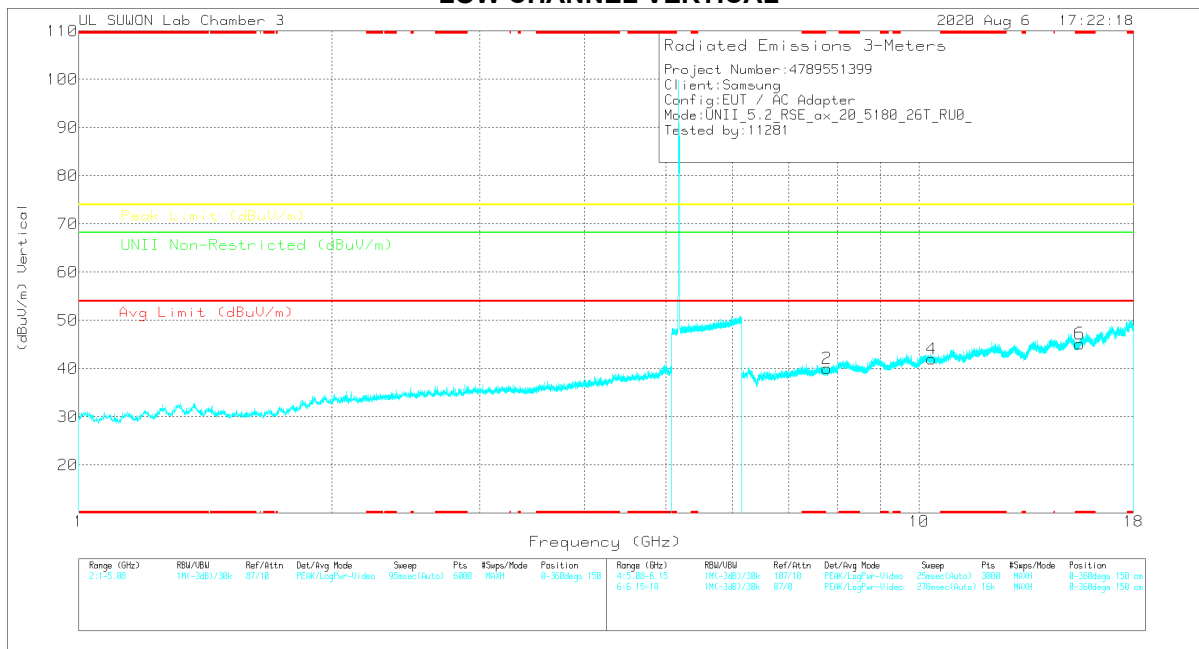
11.1.2. HARMONICS AND SPURIOUS EMISSIONS_5.2GHz BAND

HE20 RU mode (MIMO / 26T / Low: 0, Mid: 0, High: 4)

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

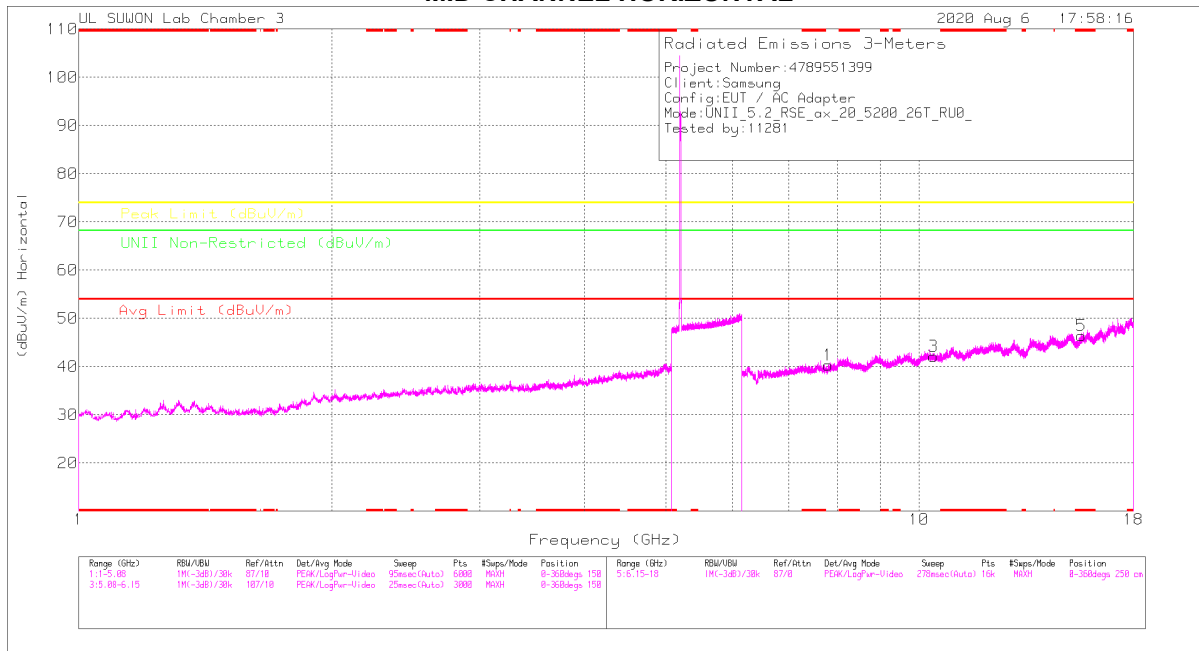
LOW CHANNEL DATA

Radiated Emissions

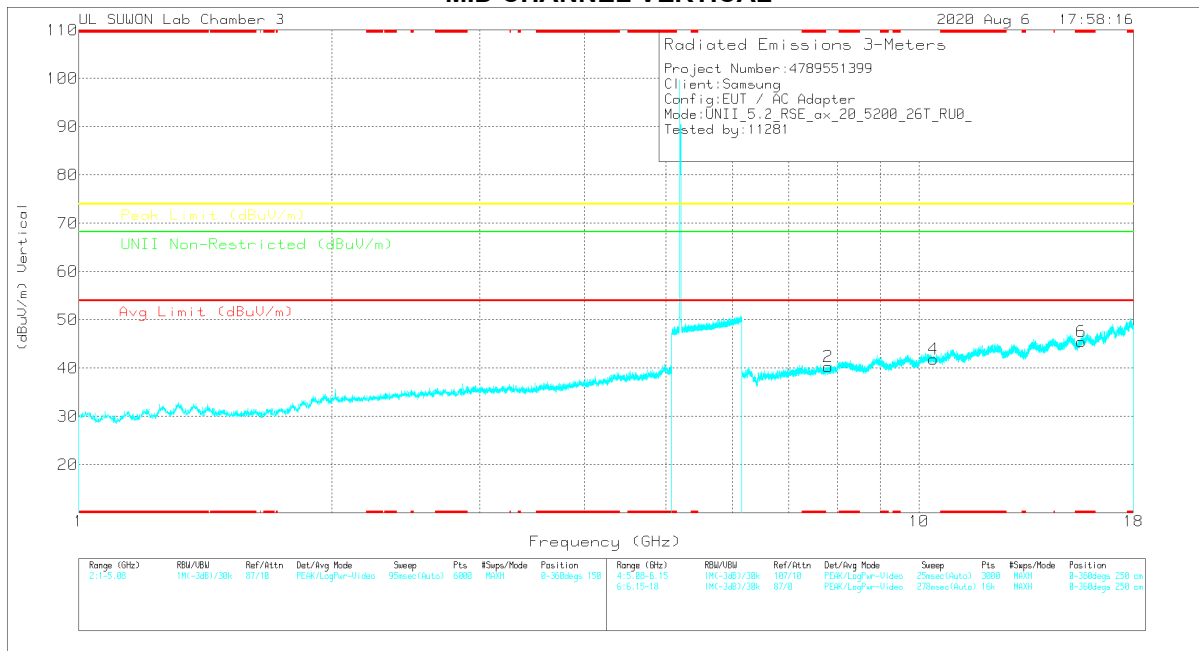
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP(dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.76491	36.2	PK-U	35.9	-22.7	49.4	-	-	-	-	68.2	-18.8	360	100	H
10.36672	33.84	PK-U	37.6	-18.9	52.54	-	-	-	-	68.2	-15.66	360	100	H
* 15.54686	34.1	PK-U	40.2	-19.6	54.7	-	-	74	-19.3	-	-	360	100	H
7.76933	36.77	PK-U	35.9	-22.7	49.97	-	-	-	-	68.2	-18.23	360	100	V
10.35413	34.19	PK-U	37.6	-18.9	52.89	-	-	-	-	68.2	-15.31	360	100	V
* 15.53715	34.36	PK-U	40.2	-19.6	54.96	-	-	74	-19.04	-	-	360	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

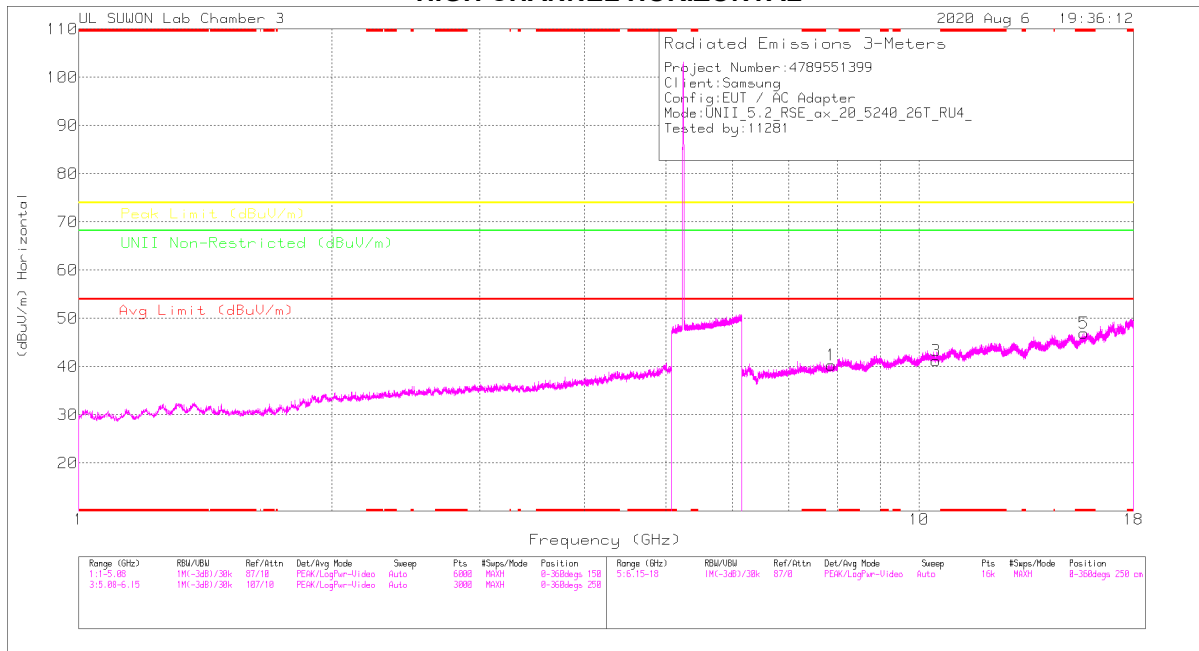
MID CHANNEL DATA

Radiated Emissions

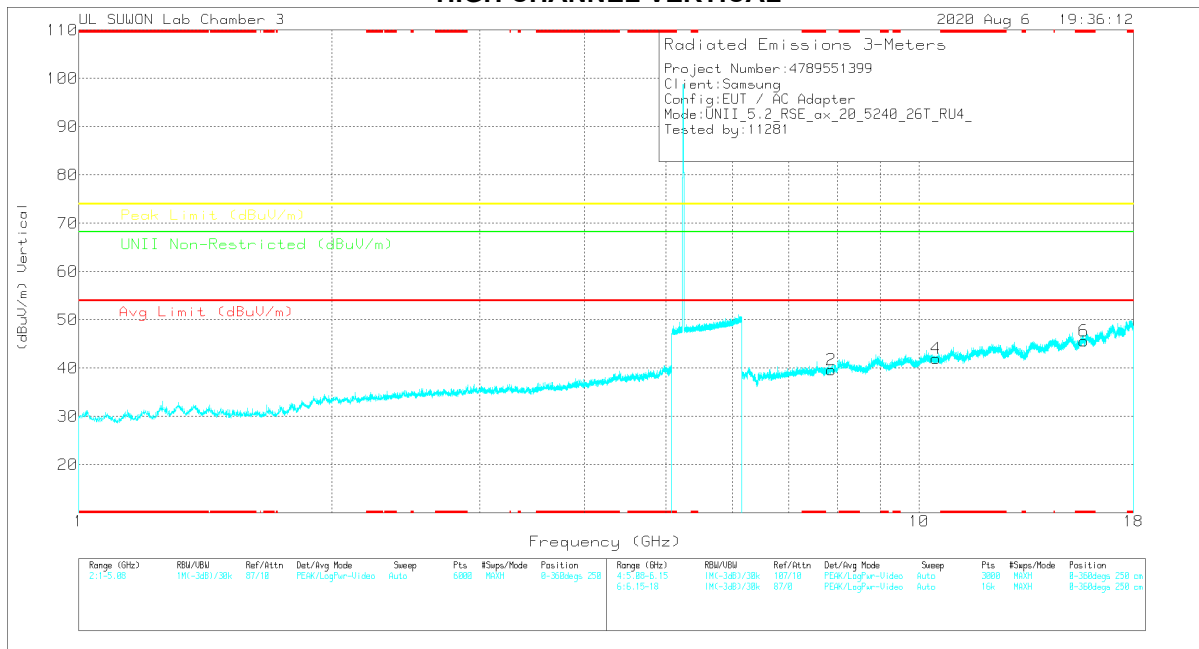
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.80537	36.66	PK-U	35.9	-22.4	50.16	-	-	-	-	68.2	-18.04	360	100	H
10.40488	33.39	PK-U	37.6	-19	51.99	-	-	-	-	68.2	-16.21	360	100	H
* 15.61089	34.15	PK-U	40.2	-19.3	55.05	-	-	74	-18.95	-	-	360	100	H
7.79813	36.19	PK-U	35.9	-22.4	49.69	-	-	-	-	68.2	-18.51	360	100	V
10.39944	33.68	PK-U	37.6	-19	52.28	-	-	-	-	68.2	-15.92	360	100	V
* 15.59911	35.09	PK-U	40.2	-19.4	55.89	-	-	74	-18.11	-	-	360	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
7.86942	36.56	PK-U	35.9	-21.9	50.56	-	-	-	-	68.2	-17.64	360	100	H
10.48085	33.43	PK-U	37.7	-19	52.13	-	-	-	-	68.2	-16.07	360	100	H
* 15.72189	34.63	PK-U	40.4	-19.2	55.83	-	-	74	-18.17	-	-	360	100	H
7.87075	36.48	PK-U	35.9	-21.9	50.48	-	-	-	-	68.2	-17.72	360	100	V
10.47987	34.35	PK-U	37.7	-19.1	52.95	-	-	-	-	68.2	-15.25	360	100	V
* 15.71229	34.36	PK-U	40.4	-19.2	55.56	-	-	74	-18.44	-	-	360	100	V

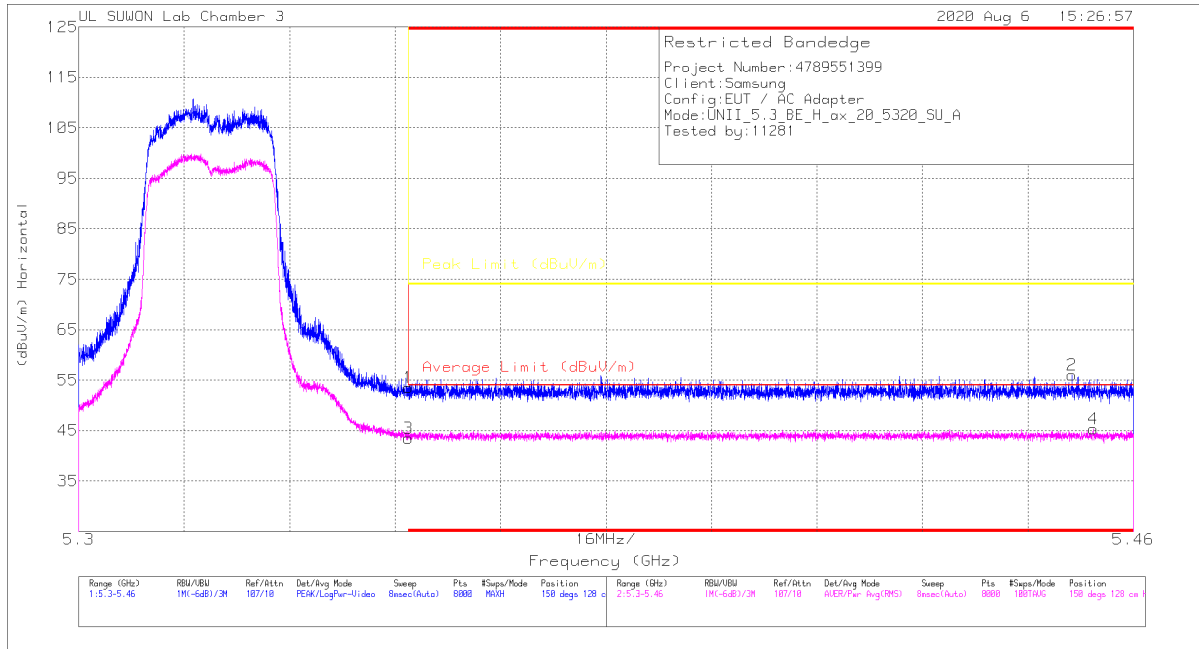
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

11.1.3.RESTRICTED BAND-EDGE_5.3GHz BAND LOW CHANNEL

HE20 SU mode (MIMO)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

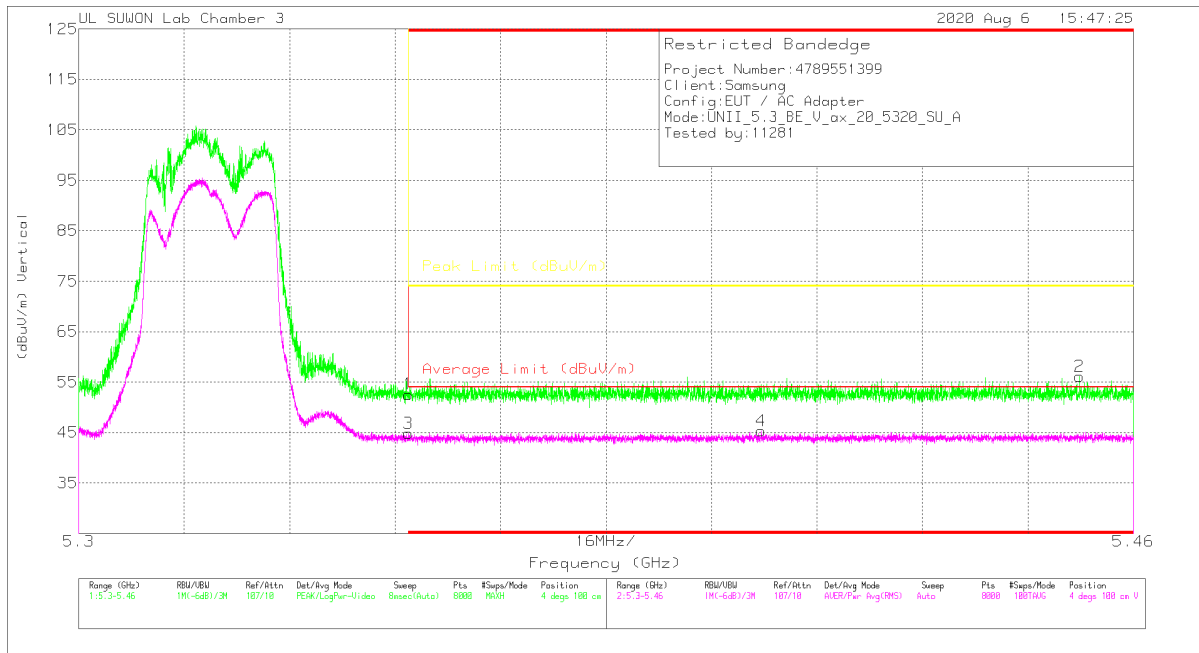
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	37.16	Pk	34.7	-18.3	53.56	-	-	74	-20.44	150	128	H
2	* 5.45072	39.38	Pk	34.7	-18.1	55.98	-	-	74	-18.02	150	128	H
3	* 5.35001	27.08	RMS	34.7	-18.3	43.48	54	-10.52	-	-	150	128	H
4	* 5.45388	28.67	RMS	34.7	-18.1	45.27	54	-8.73	-	-	150	128	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	36.19	Pk	34.7	-18.3	52.59	-	-	74	-21.41	4	100	V
2	* 5.45184	39.48	Pk	34.7	-18.1	56.08	-	-	74	-17.92	4	100	V
3	* 5.35001	28.4	RMS	34.7	-18.3	44.8	54	-9.2	-	-	4	100	V
4	* 5.4035	28.84	RMS	34.7	-18.2	45.34	54	-8.66	-	-	4	100	V

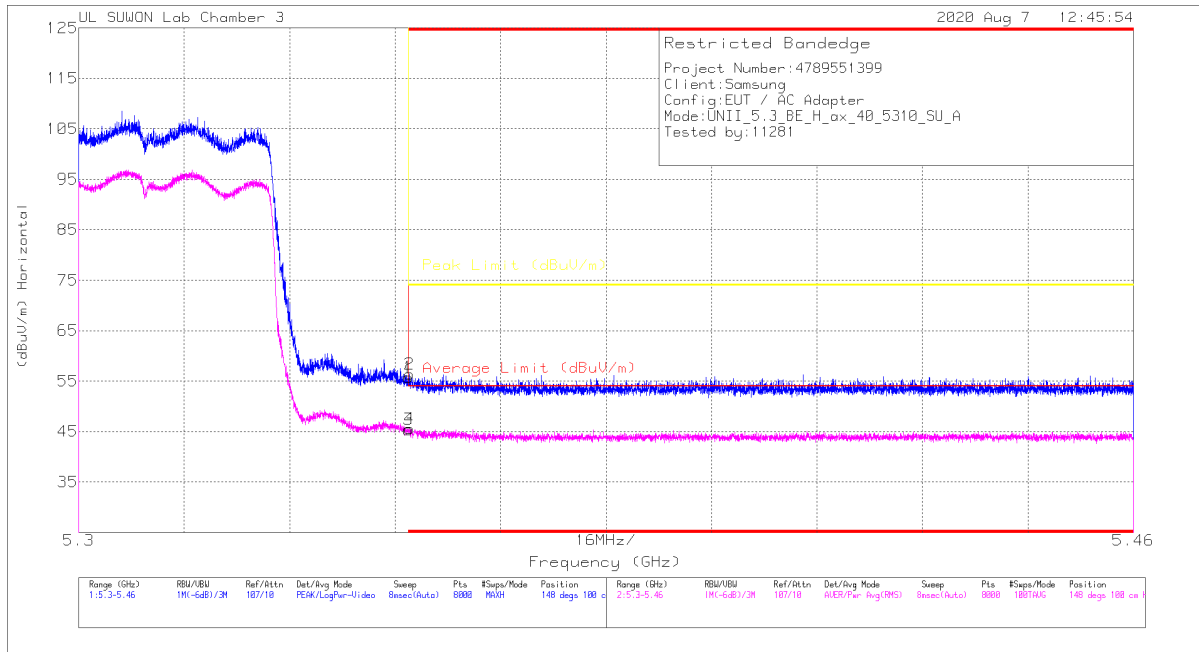
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE40 SU mode (MIMO)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

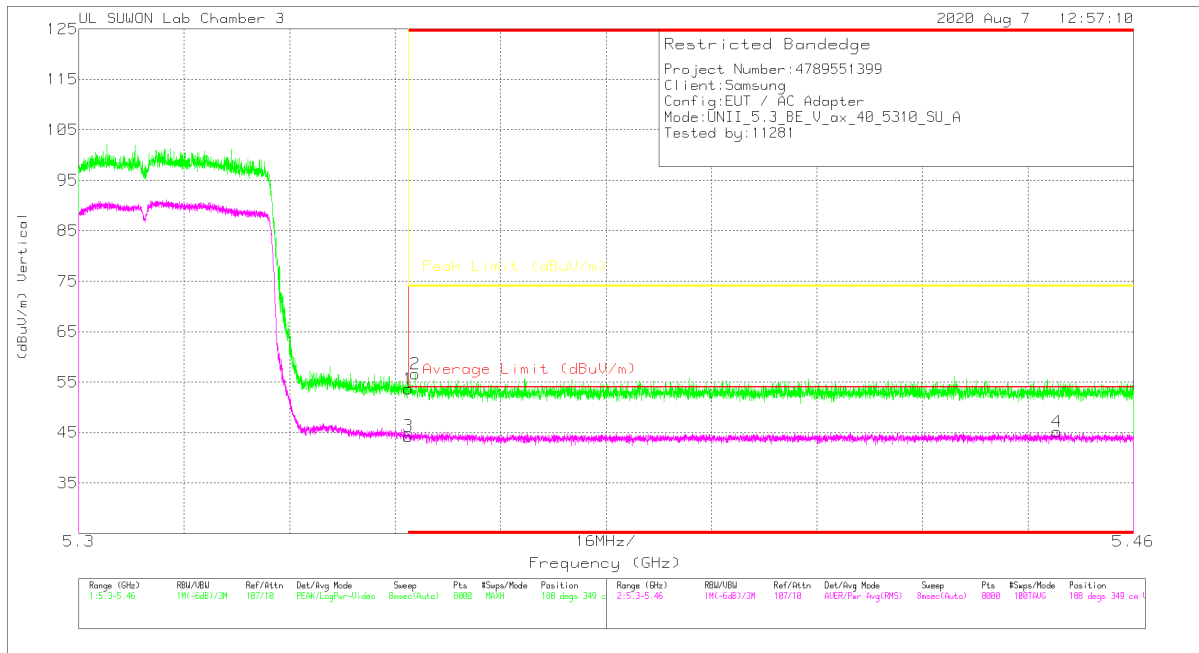
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	39.35	Pk	34.7	-18.3	55.75	-	-	74	-18.25	148	100	H
2	* 5.35021	40.03	Pk	34.7	-18.3	56.43	-	-	74	-17.57	148	100	H
3	* 5.35001	28.99	RMS	34.7	-18.3	45.39	54	-8.61	-	-	148	100	H
4	* 5.35019	29.13	RMS	34.7	-18.3	45.53	54	-8.47	-	-	148	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	37.23	Pk	34.7	-18.3	53.63	-	-	74	-20.37	188	349	V
2	* 5.35107	40.23	Pk	34.7	-18.3	56.63	-	-	74	-17.37	188	349	V
3	* 5.35001	27.87	RMS	34.7	-18.3	44.27	54	-9.73	-	-	188	349	V
4	* 5.44838	28.47	RMS	34.7	-18	45.17	54	-8.83	-	-	188	349	V

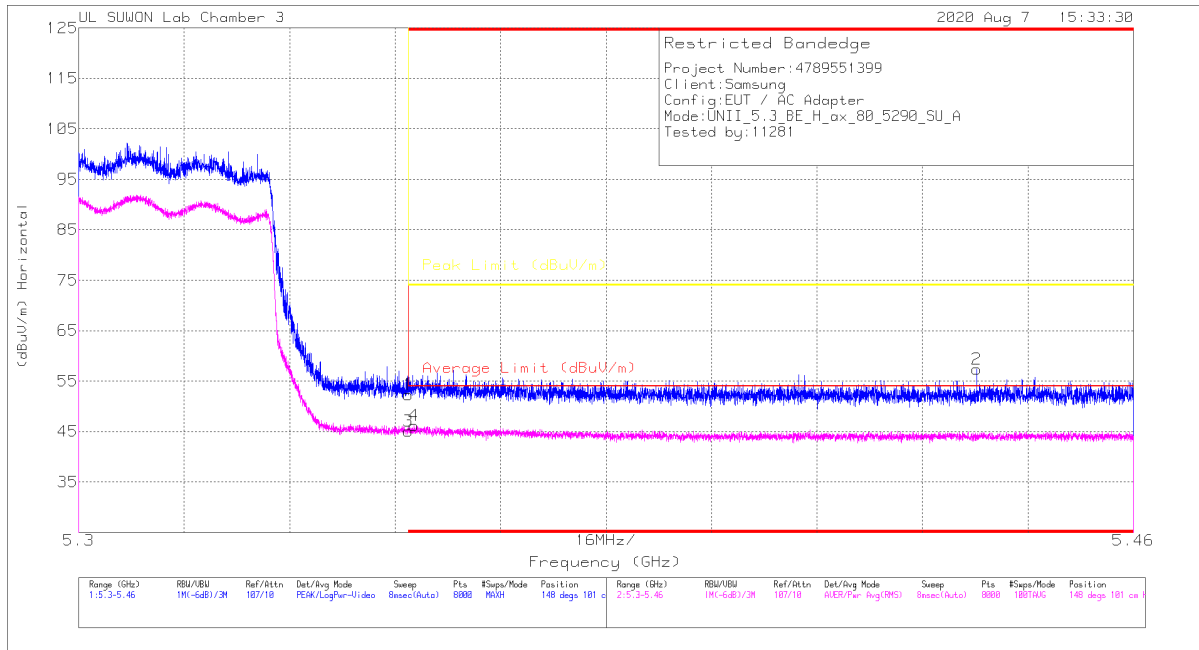
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE80 SU mode (MIMO)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

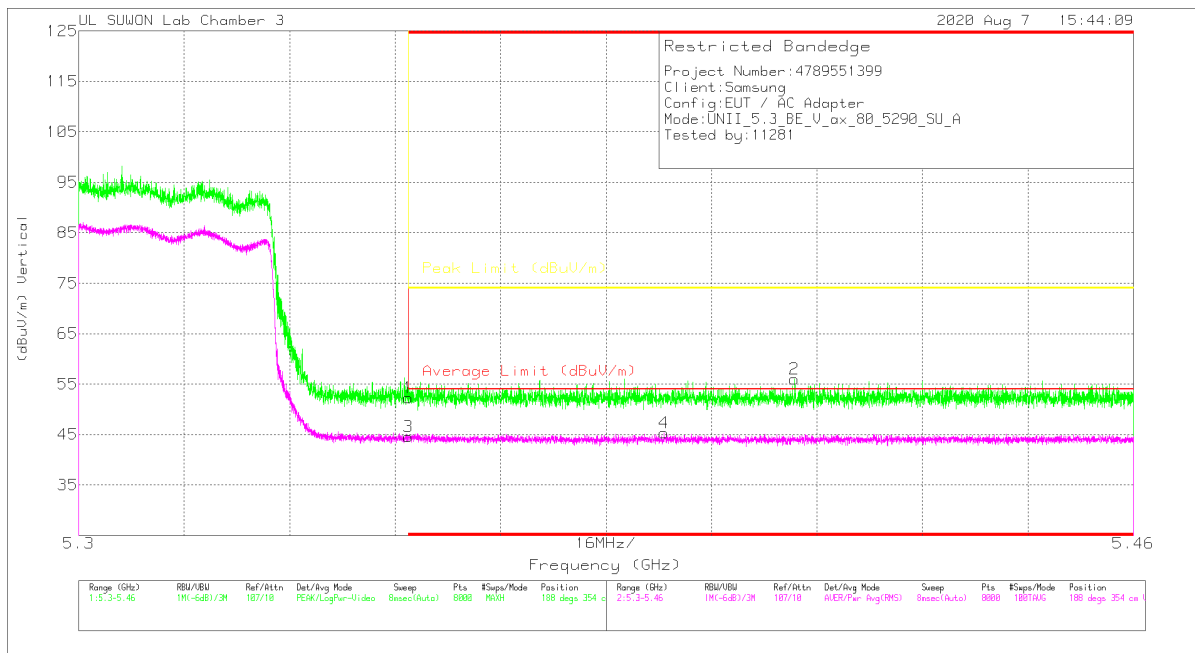
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	35.94	Pk	34.7	-18.3	52.34	-	-	74	-21.66	148	101	H
2	* 5.43624	40.75	Pk	34.7	-18.1	57.35	-	-	74	-16.65	148	101	H
3	* 5.35001	28.68	RMS	34.7	-18.3	45.08	54	-8.92	-	-	148	101	H
4	* 5.35089	29.74	RMS	34.7	-18.3	46.14	54	-7.86	-	-	148	101	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	35.88	Pk	34.7	-18.3	52.28	-	-	74	-21.72	188	354	V
2	* 5.40858	39.37	Pk	34.7	-18.1	55.97	-	-	74	-18.03	188	354	V
3	* 5.35001	28.18	RMS	34.7	-18.3	44.58	54	-9.42	-	-	188	354	V
4	* 5.38877	28.75	RMS	34.7	-18.1	45.35	54	-8.65	-	-	188	354	V

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

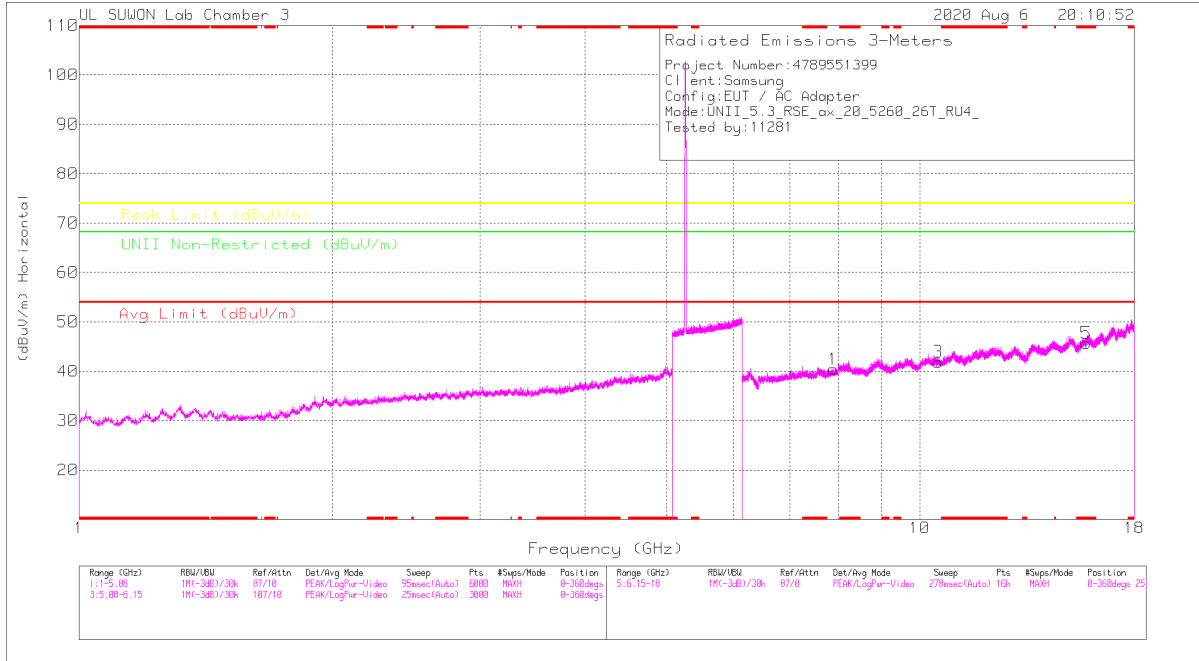
Pk - Peak detector

RMS - RMS detection

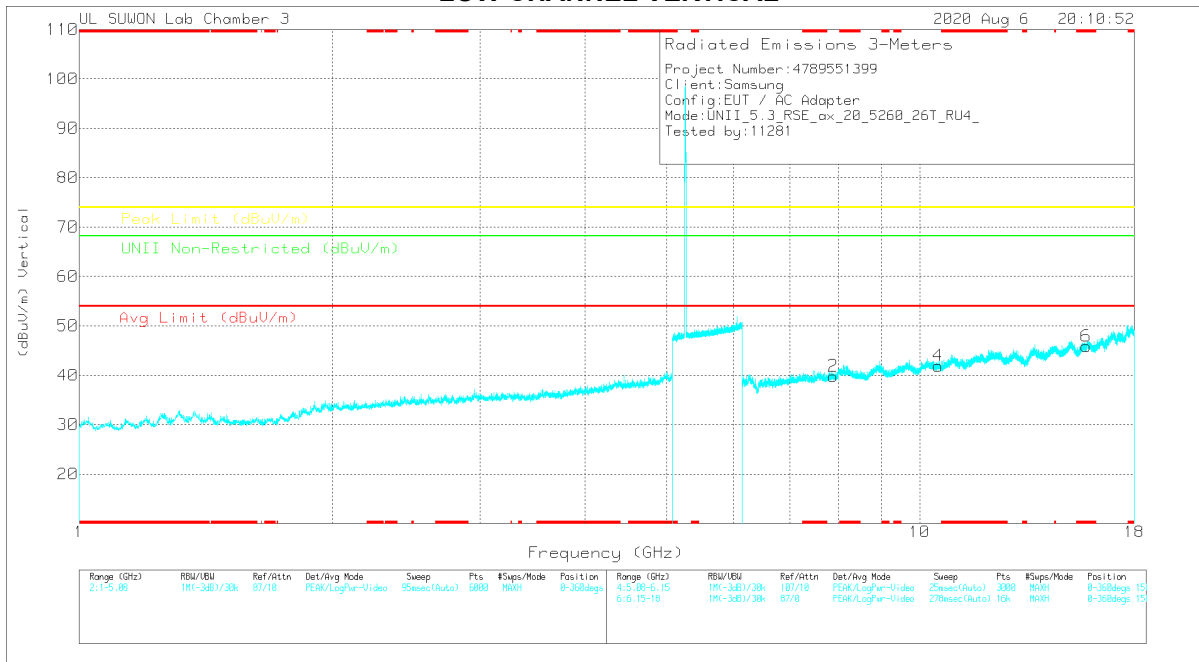
11.1.4. HARMONICS AND SPURIOUS EMISSIONS_5.3GHz BAND

HE20 RU mode (MIMO / 26T / Low: 4, Mid: 0, High: 0)

LOW CHANNEL HORIZONTAL



LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

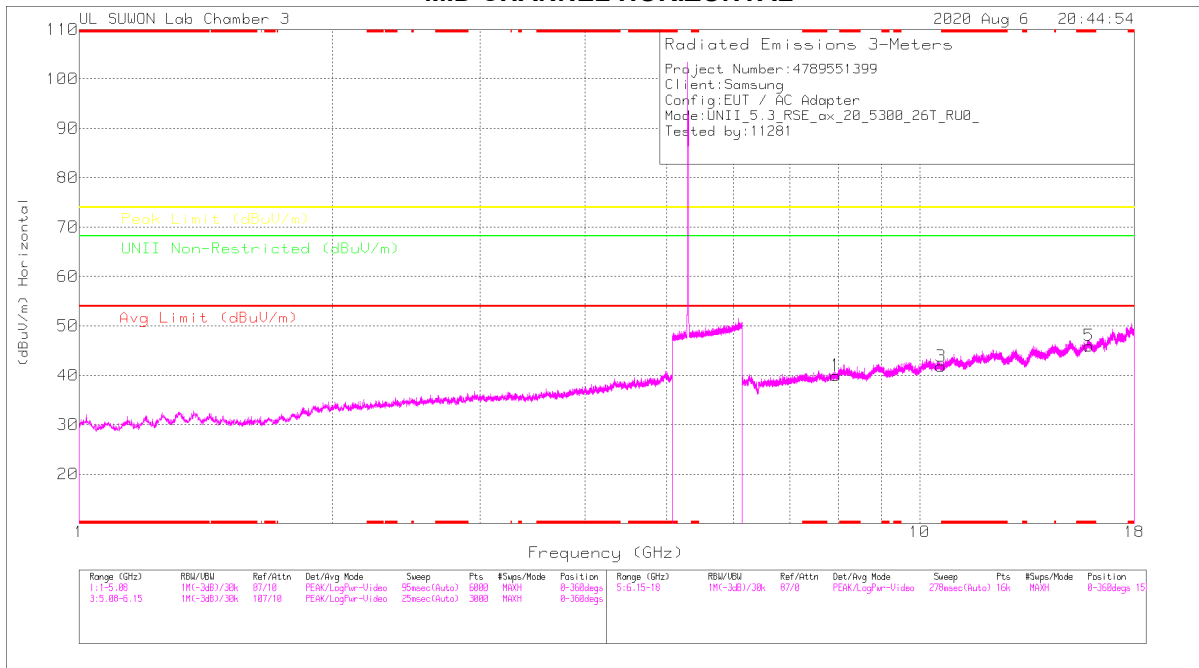
Radiated Emissions

Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00205959	6GHz_HP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.89079	35.94	PK-U	36	-22	49.94	-	-	-	-	68.2	-18.26	360	100	H
10.50562	32.53	PK-U	37.7	-19	51.23	-	-	-	-	68.2	-16.97	360	100	H
* 15.77181	34.1	PK-U	40.5	-19	55.6	-	-	74	-18.4	-	-	360	100	H
7.87707	36.37	PK-U	36	-21.9	50.47	-	-	-	-	68.2	-17.73	360	100	V
10.52017	33.43	PK-U	37.7	-19	52.13	-	-	-	-	68.2	-16.07	360	100	V
* 15.78556	34.37	PK-U	40.5	-18.9	55.97	-	-	74	-18.03	-	-	360	100	V

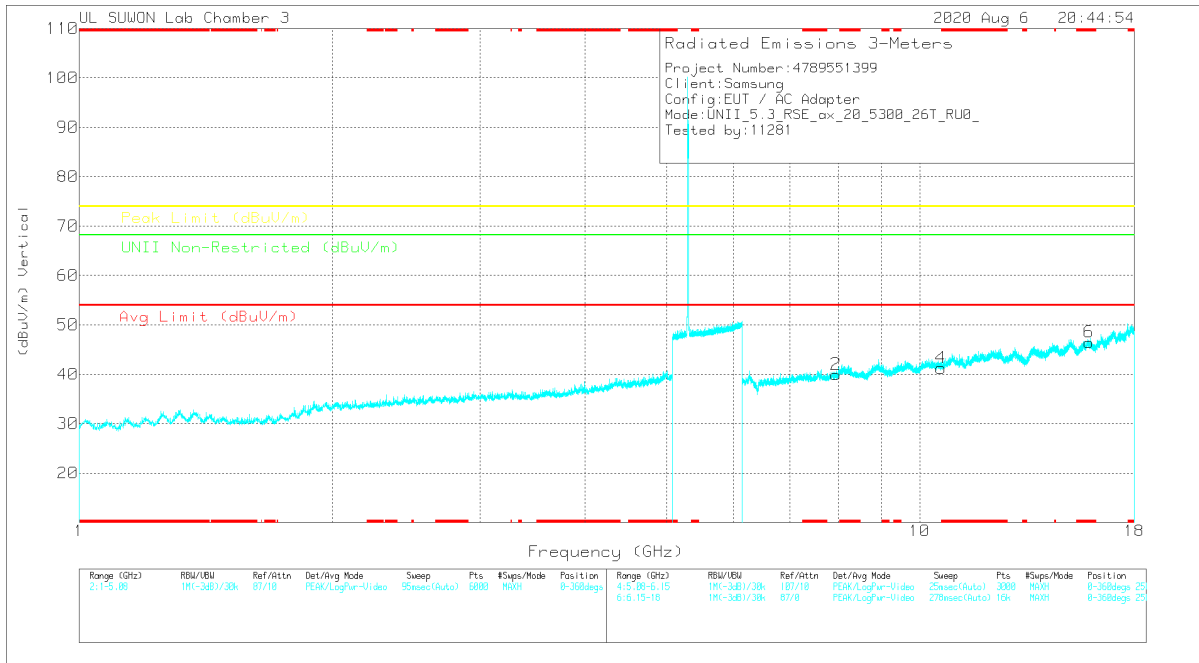
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

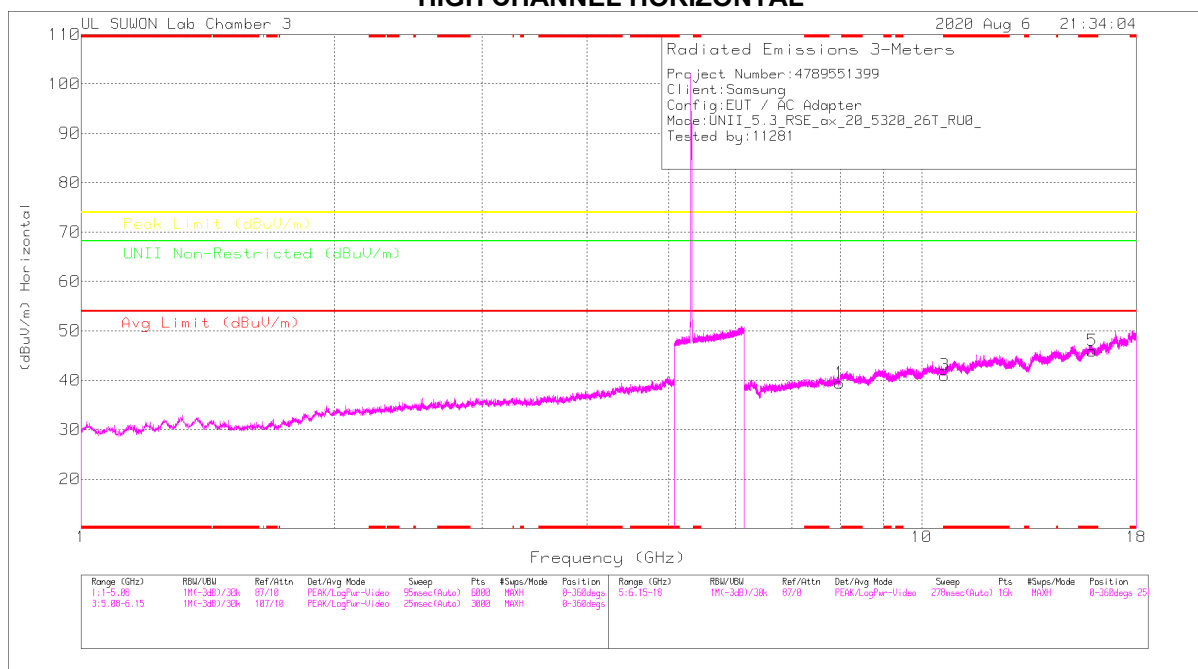
MID CHANNEL DATA

Radiated Emissions

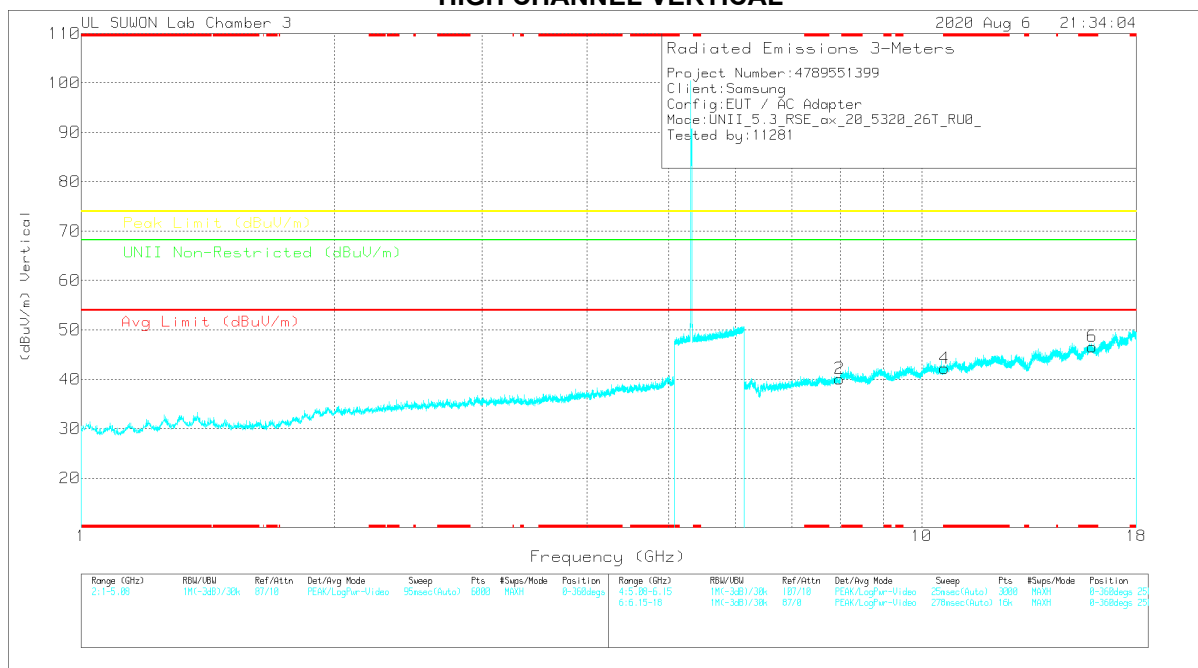
Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	6GHz_HP(dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.9588	36.05	PK-U	36	-22.3	49.75	-	-	-	-	68.2	-18.45	360	100	H
10.59896	32.47	PK-U	37.8	-19.1	51.17	-	-	-	-	68.2	-17.03	360	100	H
* 15.88167	34.02	PK-U	40.6	-18.4	56.22	-	-	74	-17.78	-	-	360	100	H
7.9549	36.34	PK-U	36	-22.3	50.04	-	-	-	-	68.2	-18.16	360	100	V
* 10.60776	33.42	PK-U	37.8	-19.1	52.12	-	-	74	-21.88	-	-	360	100	V
* 15.88729	33.54	PK-U	40.6	-18.5	55.64	-	-	74	-18.36	-	-	360	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak

HIGH CHANNEL HORIZONTAL



HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Radiated Emissions

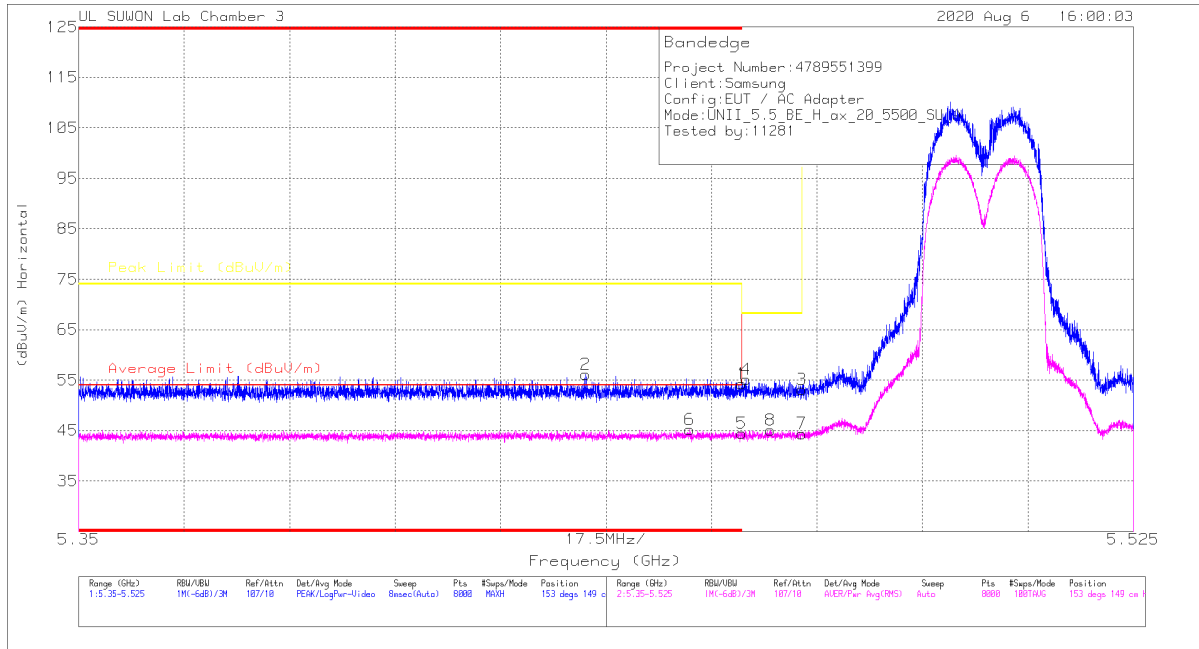
Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00205959	6GHz_HP(dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7.99076	36.42	PK-U	36.1	-22.3	50.22	-	-	-	-	68.2	-17.96	360	100	H
* 10.6567	32.9	PK-U	37.8	-19.1	51.6	-	-	74	-22.4	-	-	360	100	H
* 15.95586	33.32	PK-U	40.7	-18.3	55.72	-	-	74	-18.28	-	-	360	100	H
7.99138	36.44	PK-U	36.1	-22.3	50.24	-	-	-	-	68.2	-17.96	360	100	V
* 10.64709	33.09	PK-U	37.8	-19.1	51.79	-	-	74	-22.21	-	-	360	100	V
* 15.94731	33.33	PK-U	40.7	-18.4	55.63	-	-	74	-18.37	-	-	360	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak

11.1.5.RESTRICTED BAND-EDGE_5.5GHz BAND LOW CHANNEL

HE20 SU mode (MIMO)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

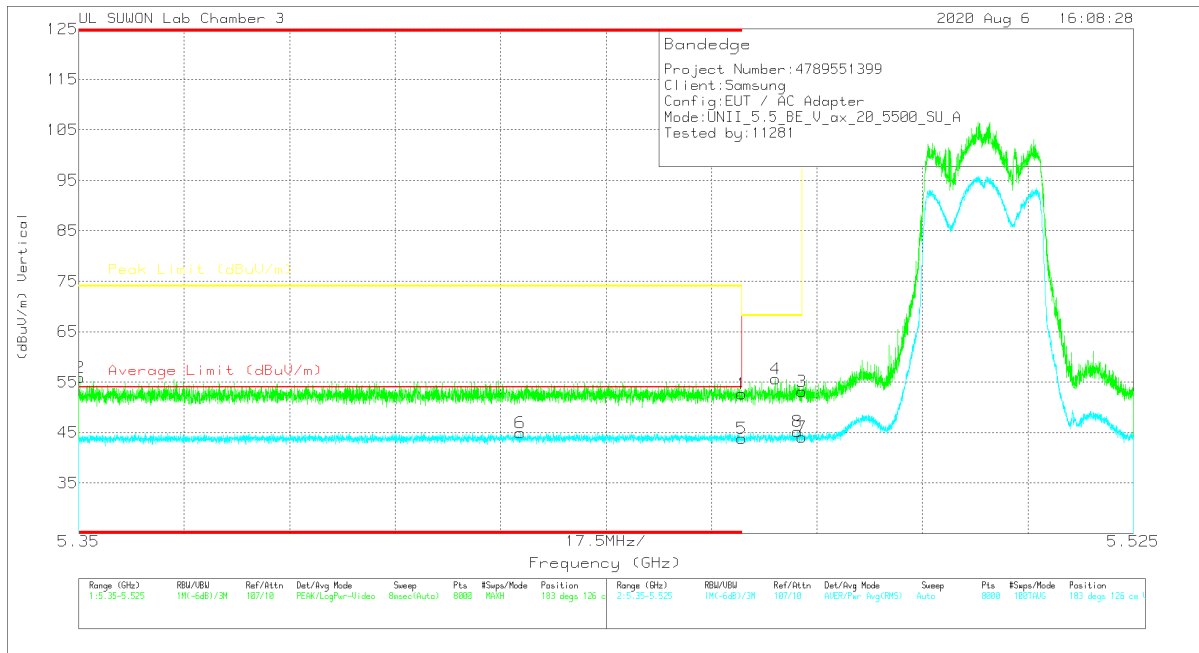
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45998	37.52	Pk	34.7	-18	54.22	-	-	74	-19.78	153	149	H
2	* 5.43414	39.56	Pk	34.7	-18.1	56.16	-	-	74	-17.84	153	149	H
3	5.46998	36.46	Pk	34.7	-18	53.16	-	-	68.2	-15.04	153	149	H
4	5.46075	38.47	Pk	34.7	-18	55.17	-	-	68.2	-13.03	153	149	H
5	* 5.45998	27.7	RMS	34.7	-18	44.4	54	-9.6	-	-	153	149	H
6	* 5.4514	28.5	RMS	34.7	-18	45.2	54	-8.8	-	-	153	149	H
7	5.46998	27.69	RMS	34.7	-18	44.39	-	-	-	-	153	149	H
8	5.46475	28.43	RMS	34.7	-18.1	45.03	-	-	-	-	153	149	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45998	35.9	Pk	34.7	-18	52.6	-	-	74	-21.4	183	126	V
2	* 5.3502	39.51	Pk	34.7	-18.3	55.91	-	-	74	-18.09	183	126	V
3	5.46998	36.46	Pk	34.7	-18	53.16	-	-	68.2	-15.04	183	126	V
4	5.46563	39.07	Pk	34.7	-18.1	55.67	-	-	68.2	-12.53	183	126	V
5	* 5.45998	27.13	RMS	34.7	-18	43.83	54	-10.17	-	-	183	126	V
6	* 5.42325	28.33	RMS	34.7	-18.1	44.93	54	-9.07	-	-	183	126	V
7	5.46998	27.35	RMS	34.7	-18	44.05	-	-	-	-	183	126	V
8	5.46928	28.5	RMS	34.7	-18	45.2	-	-	-	-	183	126	V

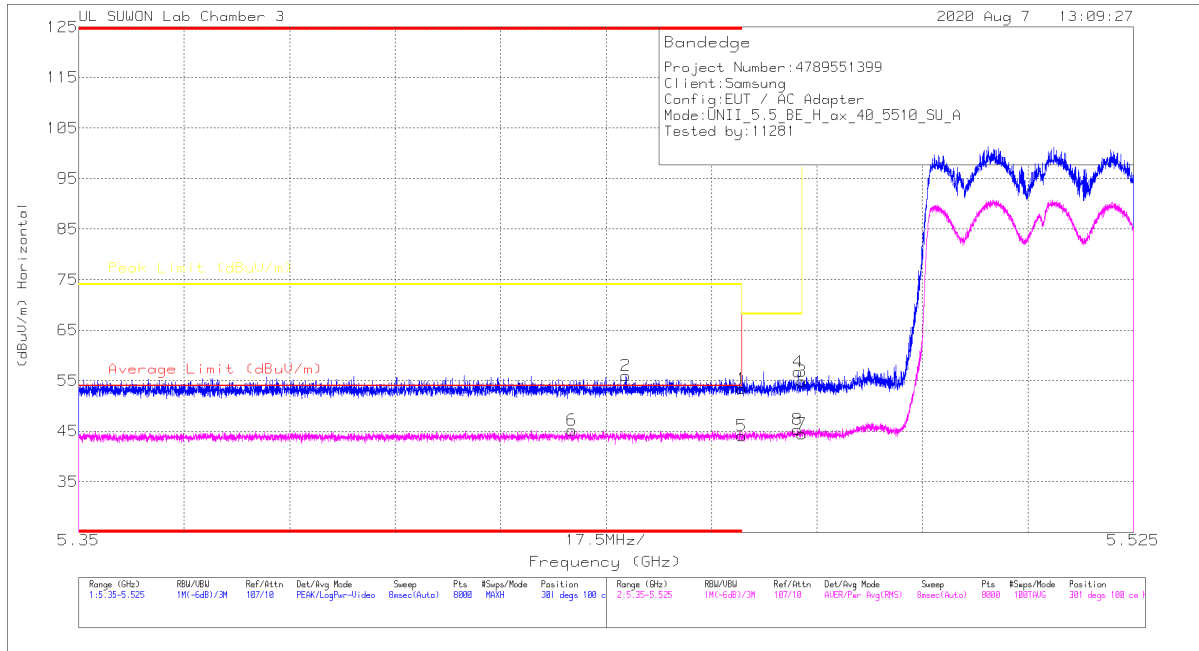
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE40 SU mode (MIMO)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

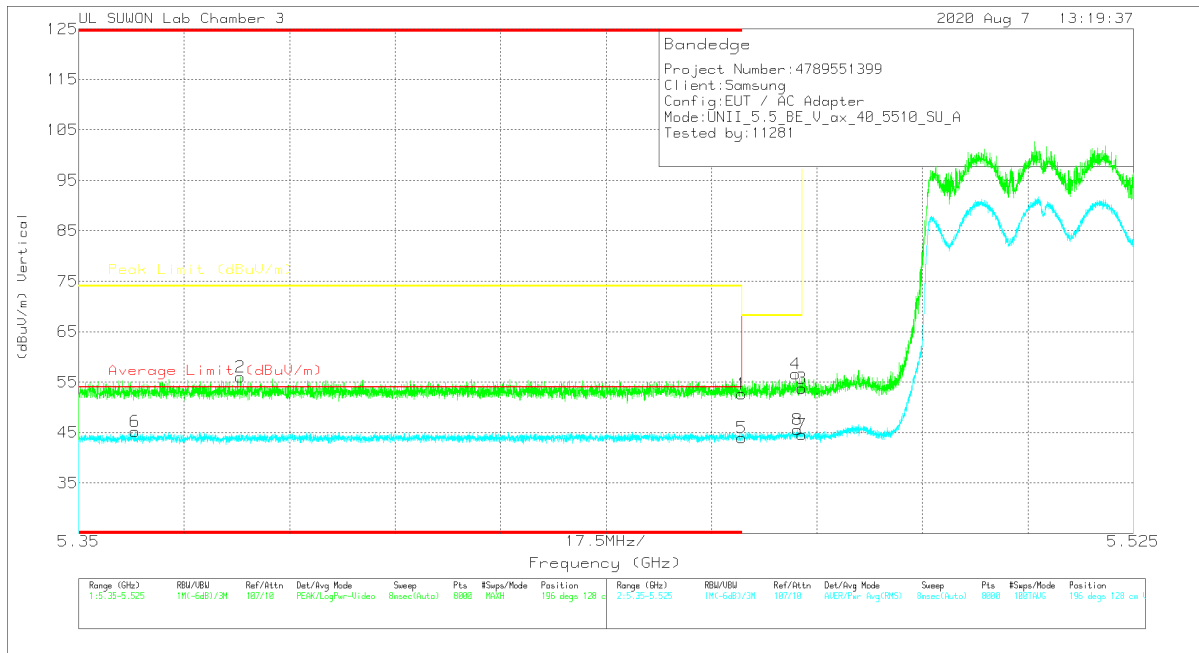
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degree)	Height (cm)	Polarity
1	* 5.45998	36.72	Pk	34.7	-18	53.42	-	-	74	-20.58	301	100	H
2	* 5.44082	39.45	Pk	34.7	-18.1	56.05	-	-	74	-17.95	301	100	H
3	5.46998	38.23	Pk	34.7	-18	54.93	-	-	68.2	-13.27	301	100	H
4	5.46937	40	Pk	34.7	-18	56.7	-	-	68.2	-11.5	301	100	H
5	* 5.45998	27.35	RMS	34.7	-18	44.05	54	-9.95	-	-	301	100	H
6	* 5.4318	28.59	RMS	34.7	-18.1	45.19	54	-8.81	-	-	301	100	H
7	5.46998	27.71	RMS	34.7	-18	44.41	-	-	-	-	301	100	H
8	5.4693	28.65	RMS	34.7	-18	45.35	-	-	-	-	301	100	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45998	35.94	Pk	34.7	-18	52.64	-	-	74	-21.36	196	128	V
2	* 5.37687	39.47	Pk	34.7	-18.2	55.97	-	-	74	-18.03	196	128	V
3	5.46998	37.04	Pk	34.7	-18	53.74	-	-	68.2	-14.46	196	128	V
4	5.46897	40.04	Pk	34.7	-18.1	56.64	-	-	68.2	-11.56	196	128	V
5	* 5.45998	27.22	RMS	34.7	-18	43.92	54	-10.08	-	-	196	128	V
6	* 5.3593	28.75	RMS	34.7	-18.3	45.15	54	-8.85	-	-	196	128	V
7	5.46998	27.85	RMS	34.7	-18	44.55	-	-	-	-	196	128	V
8	5.46928	28.88	RMS	34.7	-18	45.58	-	-	-	-	196	128	V

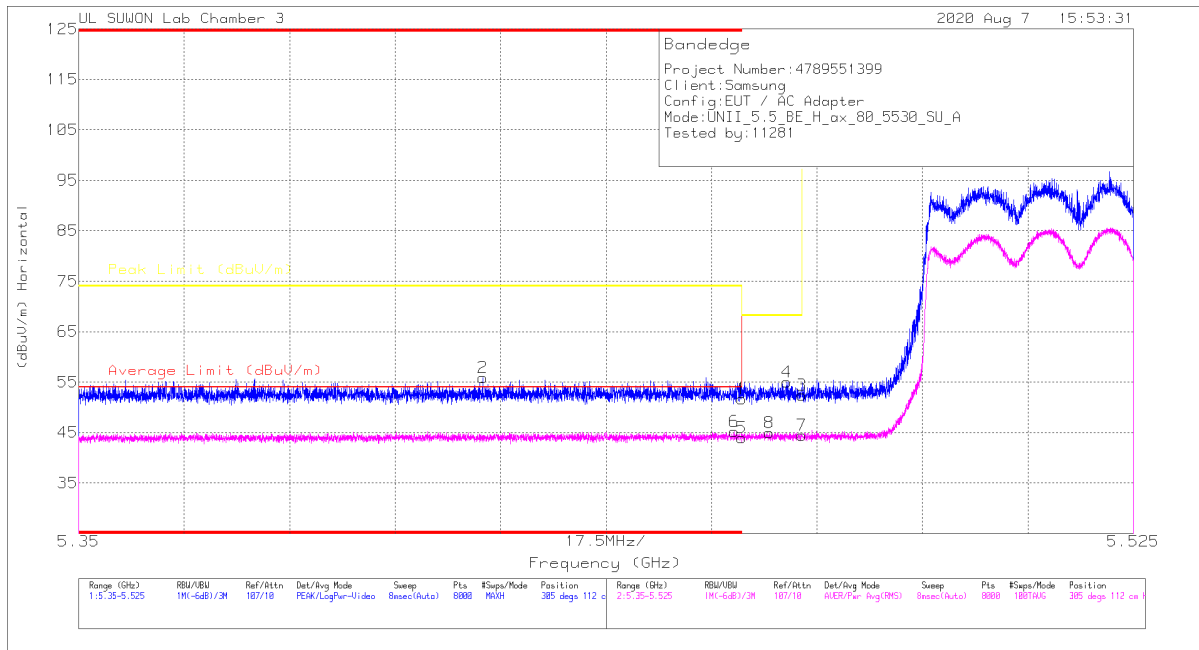
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HE80 SU mode (MIMO)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

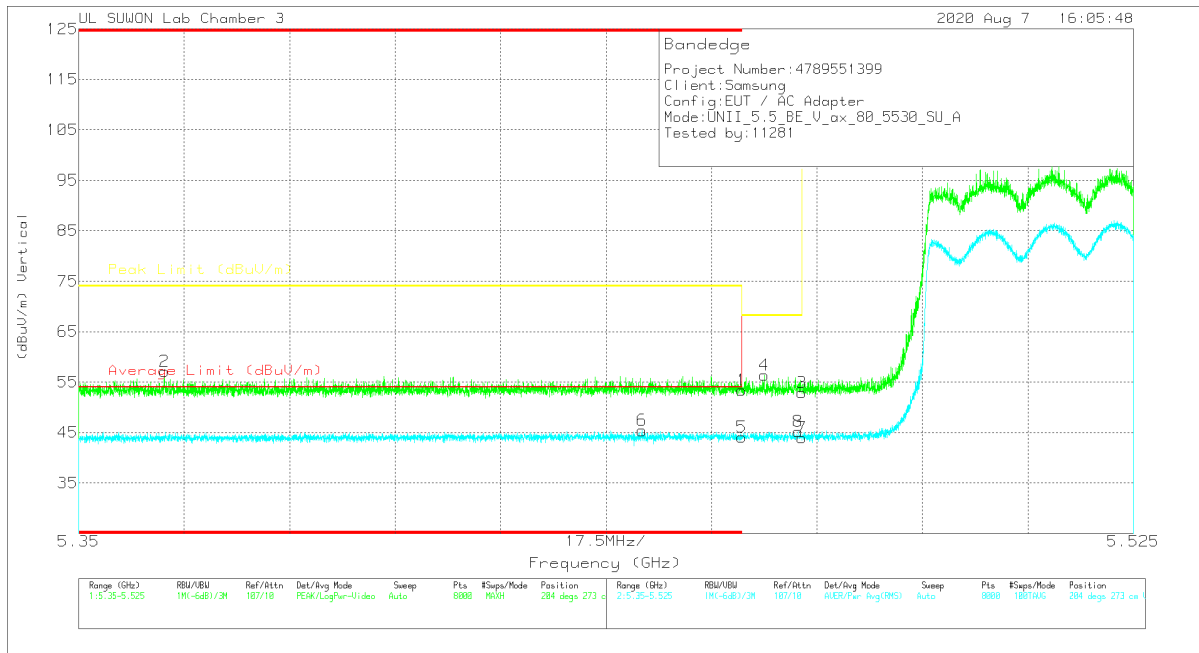
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45998	34.93	Pk	34.7	-18	51.63	-	-	74	-22.37	305	112	H
2	* 5.41708	39.42	Pk	34.7	-18.2	55.92	-	-	74	-18.08	305	112	H
3	5.46998	35.72	Pk	34.7	-18	52.42	-	-	68.2	-15.78	305	112	H
4	5.46748	38.28	Pk	34.7	-18	54.98	-	-	68.2	-13.22	305	112	H
5	* 5.45998	27.27	RMS	34.7	-18	43.97	54	-10.03	-	-	305	112	H
6	* 5.45871	28.57	RMS	34.7	-18.1	45.17	54	-8.83	-	-	305	112	H
7	5.46998	27.7	RMS	34.7	-18	44.4	-	-	-	-	305	112	H
8	5.46455	28.4	RMS	34.7	-18.1	45	-	-	-	-	305	112	H

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

PK - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45998	36.72	Pk	34.7	-18	53.42	-	-	74	-20.58	204	273	V
2	* 5.3642	40.6	Pk	34.7	-18.2	57.1	-	-	74	-16.9	204	273	V
3	5.46998	36.16	Pk	34.7	-18	52.86	-	-	68.2	-15.34	204	273	V
4	5.46374	39.62	Pk	34.7	-18	56.32	-	-	68.2	-11.88	204	273	V
5	* 5.45998	27.41	RMS	34.7	-18	44.11	54	-9.89	-	-	204	273	V
6	* 5.44344	28.79	RMS	34.7	-18.1	45.39	54	-8.61	-	-	204	273	V
7	5.46998	27.28	RMS	34.7	-18	43.98	-	-	-	-	204	273	V
8	5.46939	28.49	RMS	34.7	-18	45.19	-	-	-	-	204	273	V

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

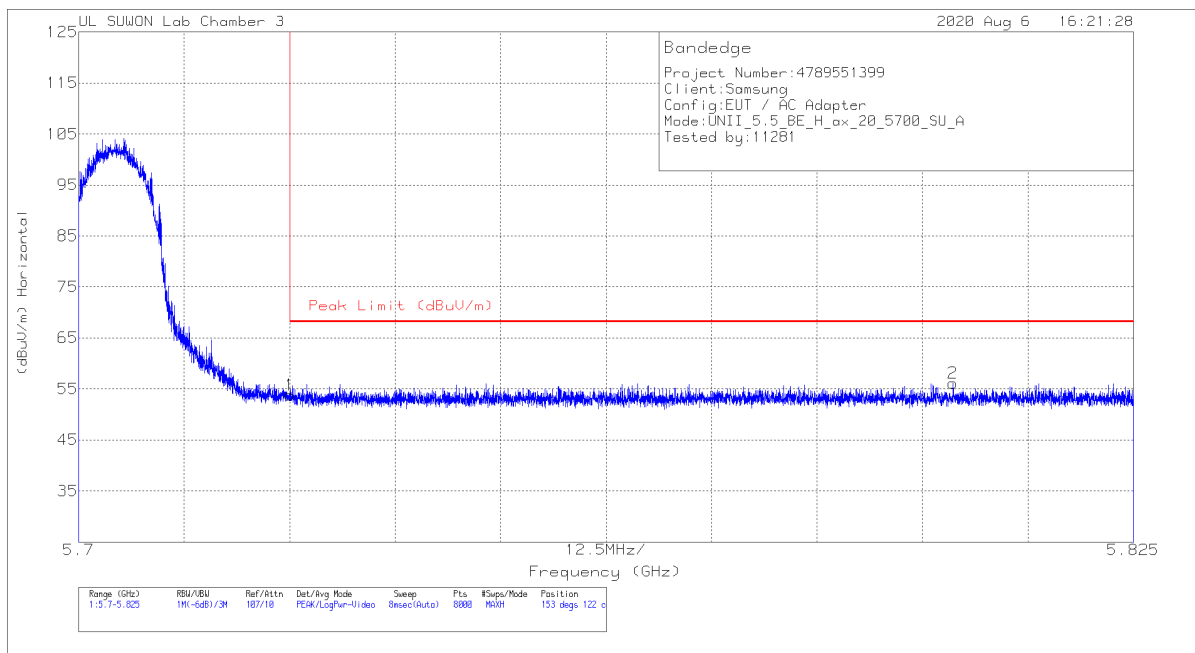
Pk - Peak detector

RMS - RMS detection

HIGH CHANNEL

HE20 SU mode (MIMO)

HORIZONTAL PEAK PLOT



HORIZONTAL DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00205959	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	36.49	Pk	34.8	-17.5	53.79	68.2	-14.41	153	122	H
2	5.80359	38.56	Pk	34.9	-17.3	56.16	68.2	-12.04	153	122	H

Pk - Peak detector