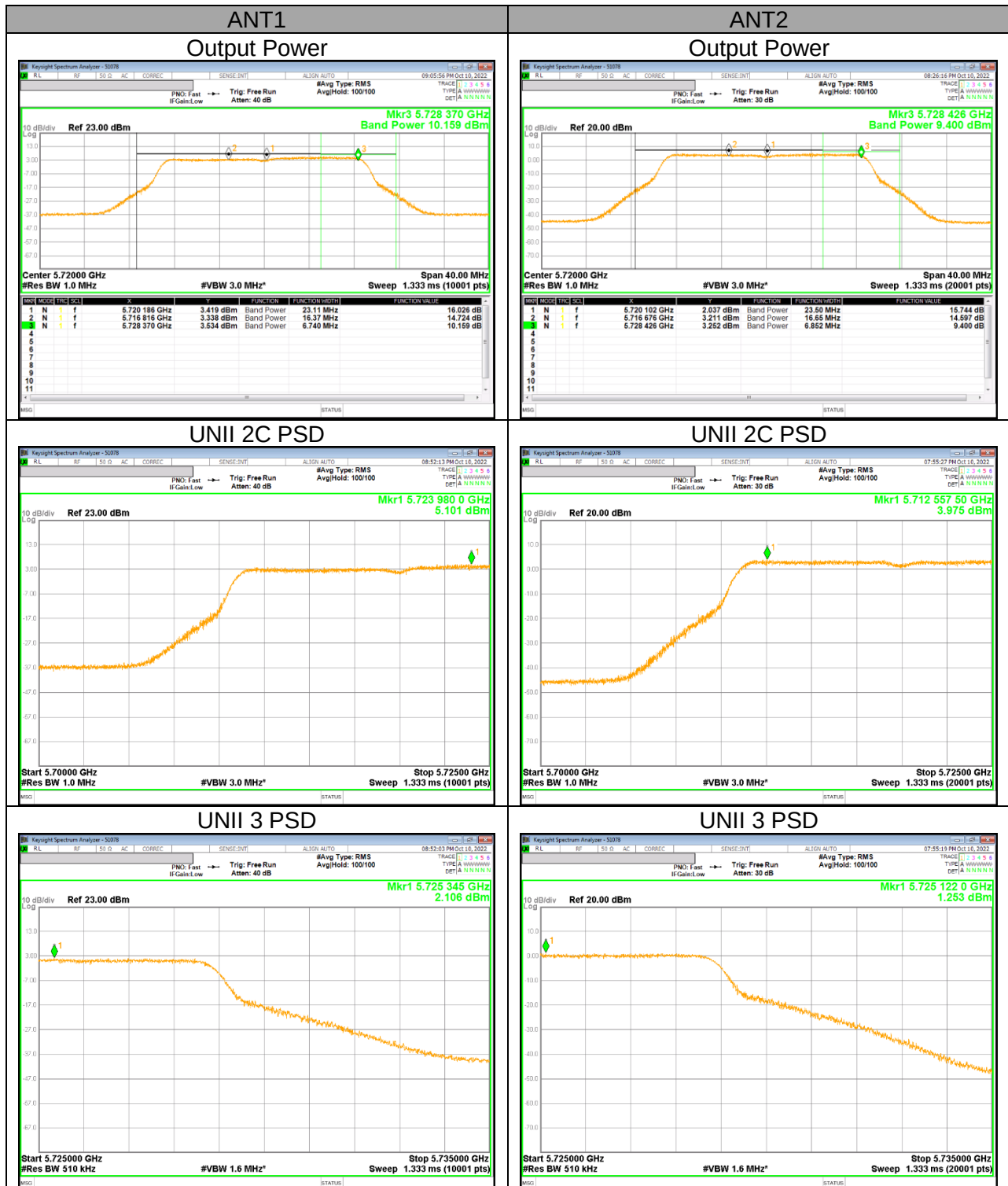


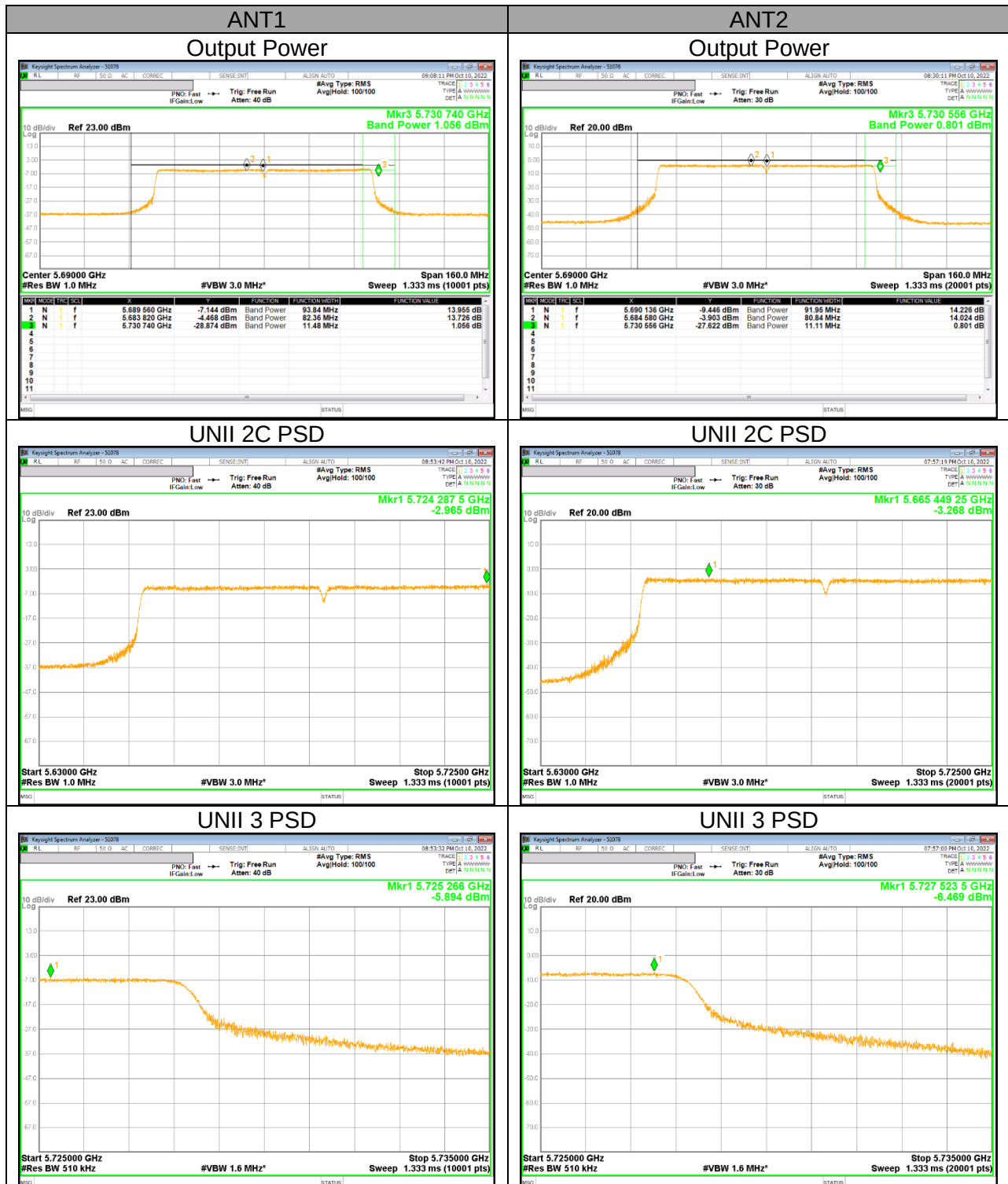
UNII Straddle Ch. IEEE 802.11n HT20 mode Output Power and PSD



UNII Straddle Ch. IEEE 802.11n HT40 mode Output Power and PSD



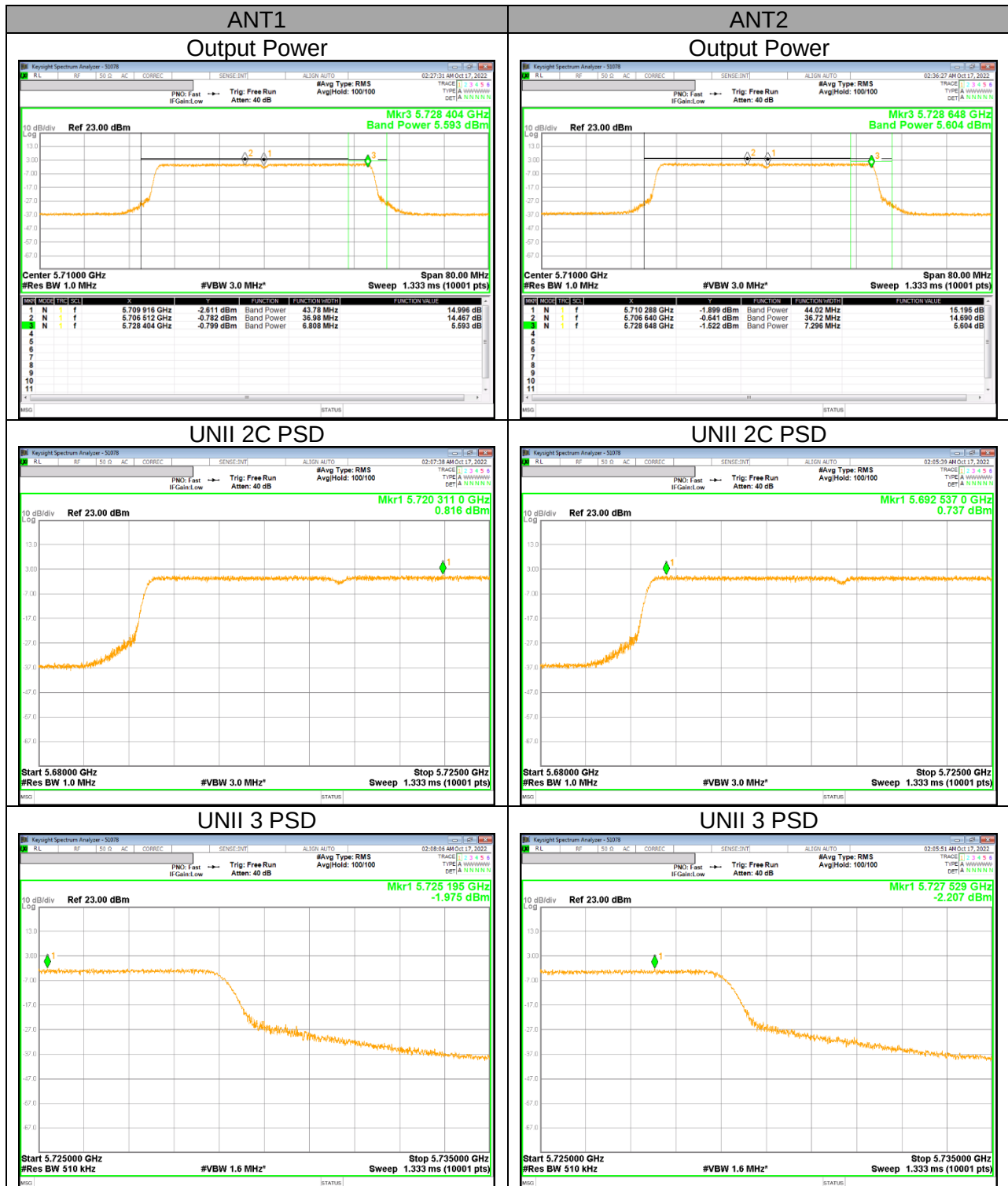
UNII Straddle Ch. IEEE 802.11ac VHT80 mode Output Power and PSD



UNII Straddle Ch. IEEE 802.11ax HE20(SU) mode Output Power and PSD



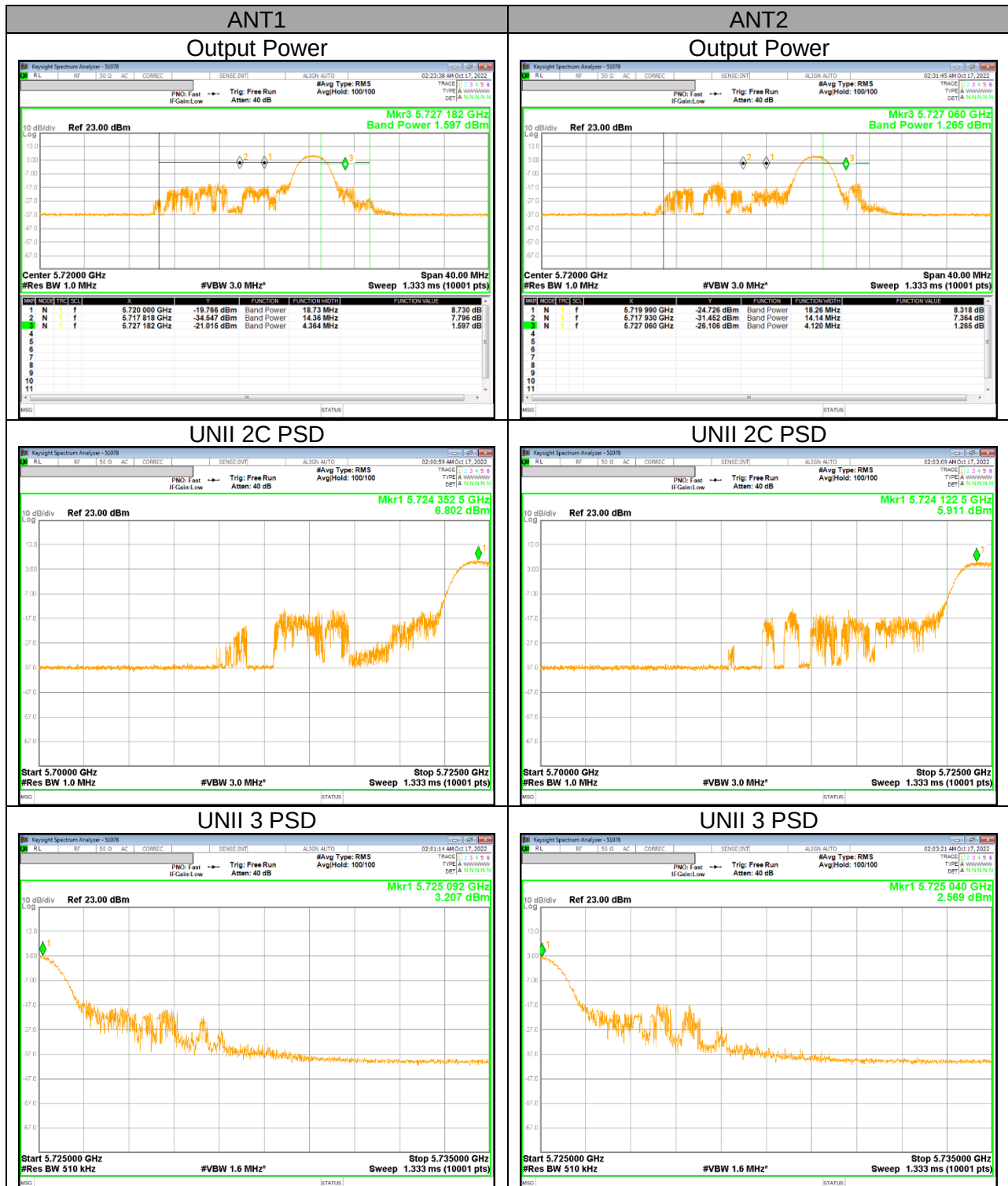
UNII Straddle Ch. IEEE 802.11ax HE40(SU) mode Output Power and PSD



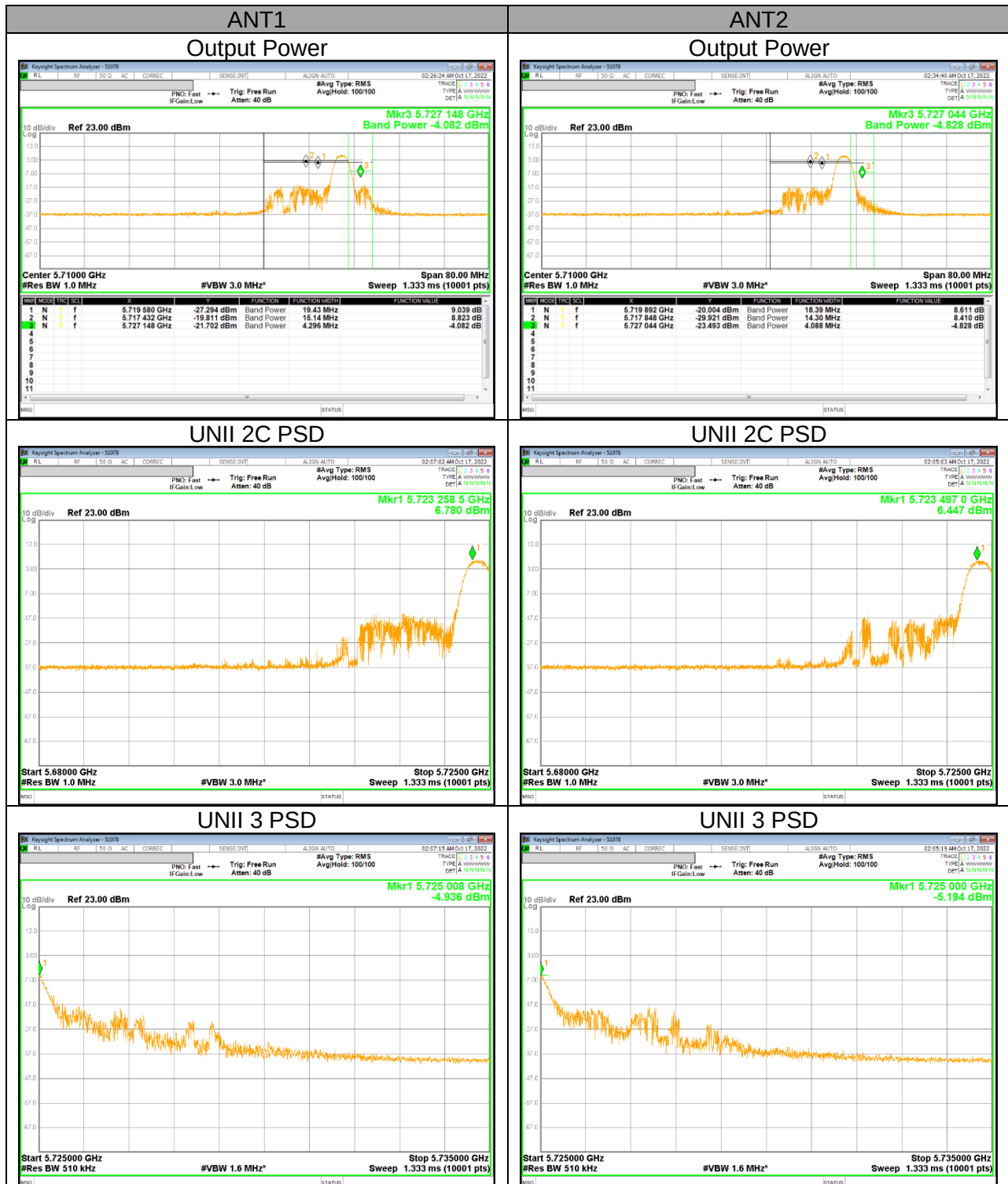
UNII Straddle Ch. IEEE 802.11ax HE80(SU) mode Output Power and PSD



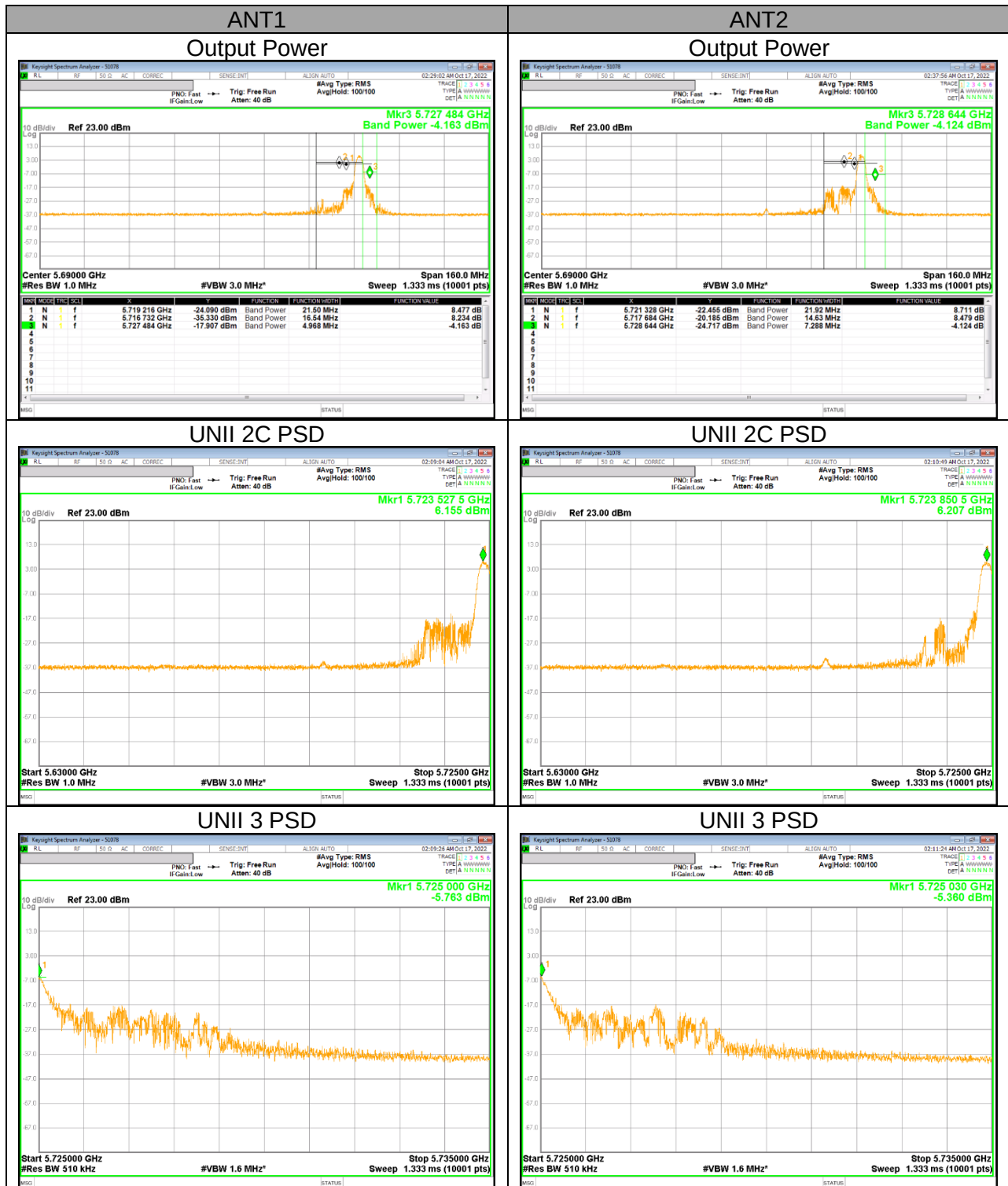
UNII Straddle Ch. IEEE 802.11ax HE20(6RU) mode Output Power and PSD



UNII Straddle Ch. IEEE 802.11ax HE40(15RU) mode Output Power and PSD



UNII Straddle Ch. IEEE 802.11ax HE80(34RU) mode Output Power and PSD



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 solely in the 5.850-5.895 GHz band or operating on a channel that spans across 5.725-5.895 GHz:
 - (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz
- (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 1GHz and 100 cm for 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.

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. In UNII-4, unwanted emissions outside of restricted bands are measured with an RMS detector.

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

(From 30MHz 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 9kHz to 30MHz; 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.

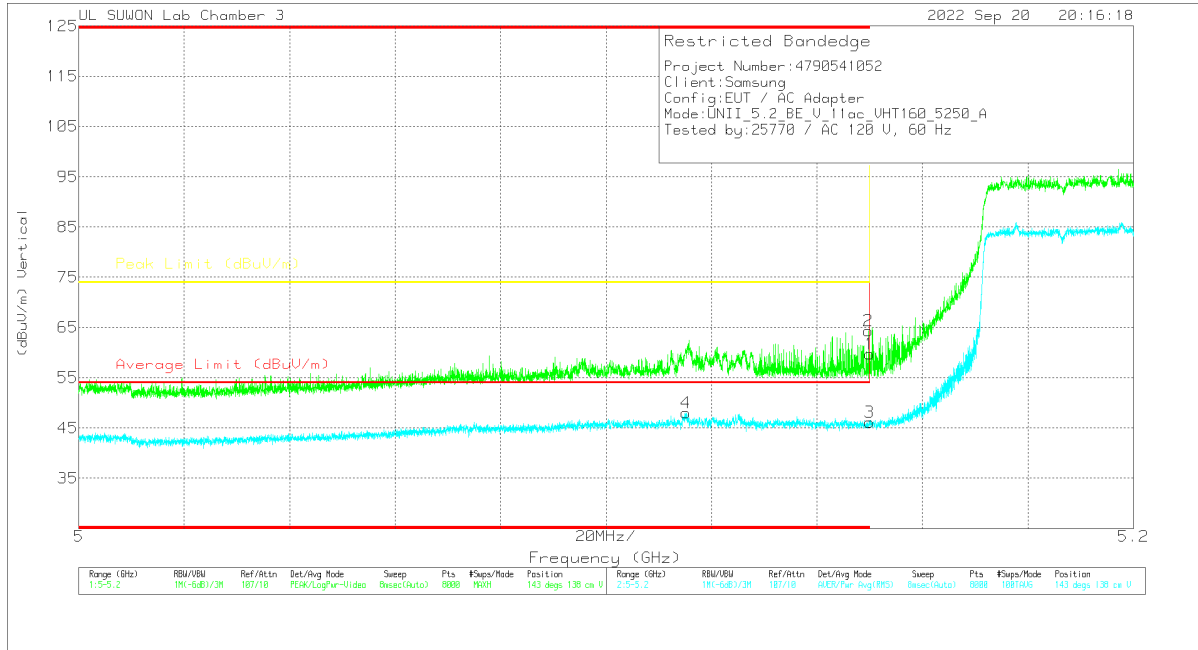
Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open area test site.

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. TX ABOVE 1GHz 2Tx MODE IN THE 5.2GHz BAND

BANDEDGE (WORST CASE: 802.11ac VHT160 / 5250 MHz)

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 5.14999	45.53	Pk	34.8	-20.6	0	59.73	-	-	74	-14.27	143	138	V
2	* 5.14972	50.17	Pk	34.8	-20.6	0	64.37	-	-	74	-9.63	143	138	V
3	* 5.14999	31.61	RMS	34.8	-20.6	32	46.13	54	-7.87	-	-	143	138	V
4	* 5.11509	33.47	RMS	34.8	-20.6	32	47.99	54	-6.01	-	-	143	138	V

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

Pk - Peak detector

RMS - RMS detection

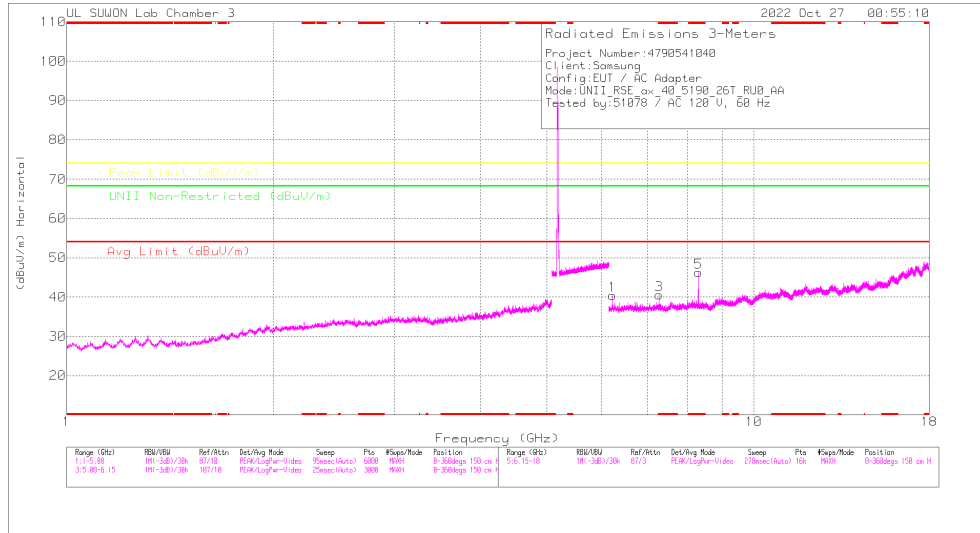
Bandedge Test Data

Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5180	MIMO	* 5.14999	41.83	Pk	34.80	-20.60	0.00	56.03	-	-	74.00	-17.97	252	100	H
			* 5.14739	44.49	Pk	34.80	-20.60	0.00	58.69	-	-	74.00	-15.31	252	100	H
			* 5.14999	29.74	RMS	34.80	-20.60	0.15	44.09	54.00	-9.91	-	-	252	100	H
			* 5.14922	30.71	RMS	34.80	-20.60	0.15	45.06	54.00	-8.94	-	-	252	100	H
			* 5.14999	40.59	Pk	34.80	-20.60	0.00	54.79	-	-	74.00	-19.21	140	100	V
			* 5.14752	45.21	Pk	34.80	-20.60	0.00	59.41	-	-	74.00	-14.59	140	100	V
			* 5.14999	30.23	RMS	34.80	-20.60	0.15	44.58	54.00	-9.42	-	-	140	100	V
802.11n (HT20)	5180	MIMO	* 5.14827	31.80	RMS	34.80	-20.60	0.15	46.15	54.00	-7.85	-	-	140	100	V
			* 5.14999	39.70	Pk	34.80	-20.60	0.00	53.90	-	-	74.00	-20.10	215	100	H
			* 5.14862	40.52	Pk	34.80	-20.60	0.00	54.72	-	-	74.00	-19.28	215	100	H
			* 5.14999	29.06	RMS	34.80	-20.60	0.17	43.43	54.00	-10.57	-	-	215	100	H
			* 5.14897	29.66	RMS	34.80	-20.60	0.17	44.03	54.00	-9.97	-	-	215	100	H
			* 5.14999	37.71	Pk	34.80	-20.60	0.00	51.91	-	-	74.00	-22.09	215	105	V
			* 5.14079	40.98	Pk	34.80	-20.60	0.00	55.18	-	-	74.00	-18.82	215	105	V
802.11n (HT40)	5190	MIMO	* 5.14999	28.51	RMS	34.80	-20.60	0.17	42.88	54.00	-11.12	-	-	215	105	V
			* 5.14917	29.04	RMS	34.80	-20.60	0.17	43.41	54.00	-10.59	-	-	215	105	V
			* 5.14999	44.53	Pk	34.80	-20.60	0.00	58.73	-	-	74.00	-15.27	221	100	H
			* 5.14652	45.25	Pk	34.80	-20.60	0.00	59.45	-	-	74.00	-14.55	221	100	H
			* 5.14999	32.50	RMS	34.80	-20.60	0.17	46.87	54.00	-7.13	-	-	221	100	H
			* 5.14832	33.27	RMS	34.80	-20.60	0.17	47.64	54.00	-6.36	-	-	221	100	H
			* 5.14999	42.46	Pk	34.80	-20.60	0.00	56.66	-	-	74.00	-17.34	140	100	V
802.11ac (VHT80)	5210	MIMO	* 5.14907	44.53	Pk	34.80	-20.60	0.00	58.73	-	-	74.00	-15.27	140	100	V
			* 5.14999	31.23	RMS	34.80	-20.60	0.17	45.60	54.00	-8.40	-	-	140	100	V
			* 5.14939	32.80	RMS	34.80	-20.60	0.17	47.17	54.00	-6.83	-	-	140	100	V
			* 5.14999	40.88	Pk	34.80	-20.60	0.00	55.08	-	-	74.00	-18.92	229	256	H
			* 5.14664	44.02	Pk	34.80	-20.60	0.00	58.22	-	-	74.00	-15.78	229	256	H
			* 5.14999	30.83	RMS	34.80	-20.60	0.27	45.30	54.00	-8.70	-	-	229	256	H
			* 5.14842	31.64	RMS	34.80	-20.60	0.27	46.11	54.00	-7.89	-	-	229	256	H
802.11ac (VHT160)	5250 Lower	MIMO	* 5.14999	41.90	Pk	34.80	-20.60	0.00	56.10	-	-	74.00	-17.90	140	100	V
			* 5.14879	44.12	Pk	34.80	-20.60	0.00	58.32	-	-	74.00	-15.68	140	100	V
			* 5.14999	31.32	RMS	34.80	-20.60	0.27	45.79	54.00	-8.21	-	-	140	100	V
			* 5.14802	32.00	RMS	34.80	-20.60	0.27	46.47	54.00	-7.53	-	-	140	100	V
			* 5.14999	44.30	Pk	34.80	-20.60	0.00	58.50	-	-	74.00	-15.50	240	141	H
			* 5.14839	50.25	Pk	34.80	-20.60	0.00	64.45	-	-	74.00	-9.55	240	141	H
			* 5.14999	31.65	RMS	34.80	-20.60	0.32	46.17	54.00	-7.83	-	-	240	141	H
802.11ax (HE20)	5180	MIMO	* 5.11896	33.45	RMS	34.80	-20.60	0.32	47.97	54.00	-6.03	-	-	240	141	H
			* 5.14999	45.53	Pk	34.80	-20.60	0.00	59.73	-	-	74.00	-14.27	143	138	V
			* 5.14972	50.17	Pk	34.80	-20.60	0.00	64.37	-	-	74.00	-9.63	143	138	V
			* 5.14999	31.61	RMS	34.80	-20.60	0.32	46.13	54.00	-7.87	-	-	143	138	V
			* 5.11509	33.47	RMS	34.80	-20.60	0.32	47.99	54.00	-6.01	-	-	143	138	V
			* 5.14999	39.49	Pk	34.80	-20.60	0.00	53.69	-	-	74.00	-20.31	237	130	H
			* 5.14857	41.78	Pk	34.80	-20.60	0.00	55.98	-	-	74.00	-18.02	237	130	H
802.11ax (HE40)	5190	MIMO	* 5.14999	28.85	RMS	34.80	-20.60	0.00	43.05	54.00	-10.95	-	-	237	130	H
			* 5.14984	30.37	RMS	34.80	-20.60	0.00	44.57	54.00	-9.43	-	-	237	130	H
			* 5.14999	39.42	Pk	34.80	-20.60	0.00	53.62	-	-	74.00	-20.38	132	101	V
			* 5.14719	42.35	Pk	34.80	-20.60	0.00	56.55	-	-	74.00	-17.45	132	101	V
			* 5.14999	29.71	RMS	34.80	-20.60	0.00	43.91	54.00	-10.09	-	-	132	101	V
			* 5.14962	30.09	RMS	34.80	-20.60	0.00	44.29	54.00	-9.71	-	-	132	101	V
			* 5.14999	41.02	Pk	34.80	-20.60	0.00	55.22	-	-	74.00	-18.78	229	265	H
802.11ax (HE80)	5210	MIMO	* 5.14989	42.66	Pk	34.80	-20.60	0.00	56.86	-	-	74.00	-17.14	229	265	H
			* 5.14999	29.33	RMS	34.80	-20.60	0.00	43.53	54.00	-10.47	-	-	229	265	H
			* 5.14982	30.47	RMS	34.80	-20.60	0.00	44.67	54.00	-9.33	-	-	229	265	H
			* 5.14999	38.67	Pk	34.80	-20.60	0.00	52.87	-	-	74.00	-21.13	140	100	V
			* 5.14322	41.57	Pk	34.80	-20.60	0.00	55.77	-	-	74.00	-18.23	140	100	V
			* 5.14999	29.75	RMS	34.80	-20.60	0.00	43.95	54.00	-10.05	-	-	140	100	V
			* 5.14617	30.06	RMS	34.80	-20.60	0.00	44.26	54.00	-9.74	-	-	140	100	V
802.11ax (HE160)	5250 Lower	MIMO	* 5.14999	41.03	Pk	34.80	-20.60	0.00	55.23	-	-	74.00	-18.77	232	372	H
			* 5.14959	43.39	Pk	34.80	-20.60	0.00	57.59	-	-	74.00	-16.41	232	372	H
			* 5.14999	31.66	RMS	34.80	-20.60	0.00	45.86	54.00	-8.14	-	-	232	372	H
			* 5.14859	32.30	RMS	34.80	-20.60	0.00	46.50	54.00	-7.50	-	-	232	372	H
			* 5.14999	41.36	Pk	34.80	-20.60	0.00	55.56	-	-	74.00	-18.44	124	324	V
			* 5.14109	43.59	Pk	34.80	-20.60	0.00	57.79	-	-	74.00	-16.21	124	324	V
			* 5.14999	30.40	RMS	34.80	-20.60	0.00	44.60	54.00	-9.40	-	-	124	324	V
802.11ax (HE160)	5250 Lower	MIMO	* 5.14137	32.68	RMS	34.80	-20.60	0.00	46.88	54.00	-7.12	-	-	124	324	V
			* 5.14999	39.81	Pk	34.80	-20.60	0.00	54.01	-	-	74.00	-19.99	255	101	H
			* 5.14602	44.24	Pk	34.80	-20.60	0.00	58.44	-	-	74.00	-15.56	255	101	H
			* 5.14999	30.18	RMS	34.80	-20.60	0.00	44.38	54.00	-9.62	-	-	255	101	H
			* 5.13329	31.21	RMS	34.80	-20.60	0.00	45.41	54.00	-8.59	-	-	255	101	H
			* 5.14999	40.71	Pk	34.80	-20.60	0.00	54.91	-	-	74.00	-19.09	138	135	V
			* 5.11509	43.87	Pk	34.80	-20.60	0.00	58.07	-	-	74.00	-15.93	138	135	V
802.11ax (HE160)	5250 Lower	MIMO	* 5.14999	30.48	RMS	34.80	-20.60	0.00	44.68	54.00	-9.32	-	-	138	135	V
			* 5.12286	31.46	RMS	34.80	-20.60	0.00	45.66	54.00	-8.34	-	-	138	135	V

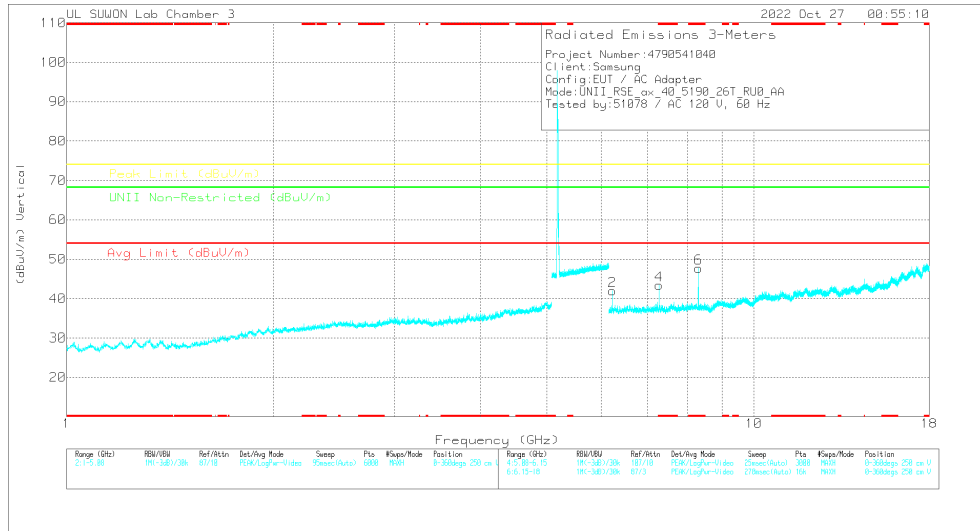
Note1. Pk - Peak detector, RMS - RMS detector

Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11ax HE40 0RU / 5190 MHz)
5190 MHz HORIZONTAL



5190 MHz 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.

5190 MHz DATA

Radiated Emissions

Frequency (GHz)	Water Reading (dBuV)	Det	5117_00218957	50Hz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Antenna (dBi)	Height (cm)	Polarity
6.22738	40.64	PK-U	36.1	-27	0	49.74	-	-	-	-	68.2	-18.46	250	100	H
6.22781	40.99	PK-U	36.1	-27	0	50.09	-	-	-	-	68.2	-18.11	162	122	V
* 7.28395	39.2	PK-U	36	-24.9	0	50.3	-	-	74	-23.7	-	-	195	107	H
* 7.28429	28.43	ADR	36	-24.9	0	39.53	54	-14.47	-	-	-	-	195	107	H
* 7.28349	43.1	PK-U	36	-24.9	0	54.2	-	-	74	-19.8	-	-	192	128	V
* 7.28375	32.9	ADR	36	-24.9	0	43.4	54	-10.6	-	-	-	-	192	128	V
* 8.30367	38.16	PK-U	36.2	-23.6	0	50.76	-	-	74	-23.24	-	-	143	101	H
* 8.30407	31.68	ADR	36.2	-23.6	0	44.28	54	-9.72	-	-	-	-	143	101	H
* 8.30401	40.52	PK-U	36.2	-23.6	0	53.12	-	-	74	-20.88	-	-	209	117	V
* 8.30399	35.67	ADR	36.2	-23.6	0	48.27	54	-5.73	-	-	-	-	209	117	V

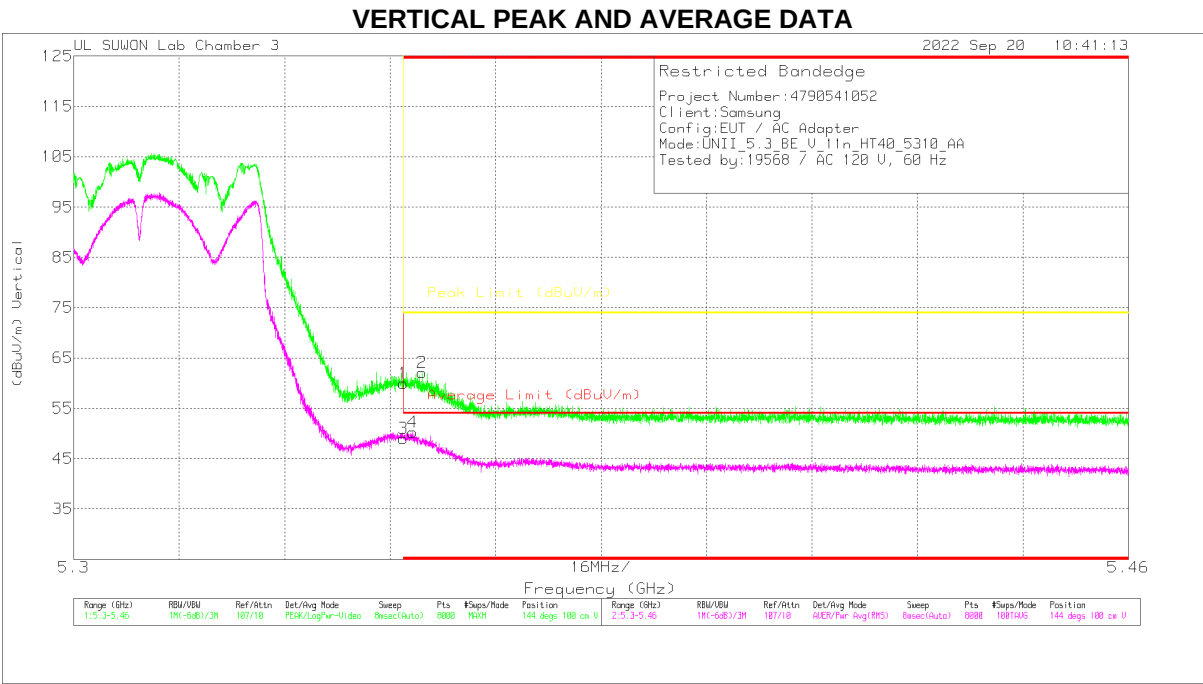
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK-U - U-NII: Maximum Peak
ADR - U-NII AD primary method, RMS average

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result dBuV/m	AV Limit dBuV/m	AV Margin [dB]	PK Limit dBuV/m	PK Margin [dB]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity		
802.11a	5180	MIMO	6.216	40.61	PK-U	36.10	-27.30	0.00	49.41	-	-	-	-	68.20	-18.79	121	112	H		
			6.216	43.29	PK-U	36.10	-27.30	0.00	52.09	-	-	-	-	68.20	-16.11	153	103	V		
			* 7.25215	41.03	PK-U	36.00	-25.00	0.00	52.03	-	-	74.00	-21.97	-	-	240	291	H		
			* 7.2588	30.45	ADR	36.00	-24.90	0.15	41.70	54.00	-12.30	-	-	-	-	240	291	H		
			* 7.25328	42.02	PK-U	36.00	-25.00	0.00	53.02	-	-	74.00	-20.98	-	-	193	100	V		
			* 7.25851	31.72	ADR	36.00	-24.90	0.15	42.97	54.00	-11.03	-	-	-	-	193	100	V		
			* 8.28801	37.54	PK-U	36.20	-23.70	0.00	50.04	-	-	74.00	-23.96	-	-	134	103	H		
			* 8.28803	29.92	ADR	36.20	-23.70	0.15	42.57	54.00	-11.43	-	-	-	-	134	103	H		
			* 8.28811	38.00	PK-U	36.20	-23.70	0.00	50.50	-	-	74.00	-23.50	-	-	195	110	V		
			* 8.28792	30.78	ADR	36.20	-23.70	0.15	43.43	54.00	-10.57	-	-	-	-	195	110	V		
			* 4.82404	44.30	PK-U	34.60	-29.90	0.00	49.00	-	-	74.00	-25.00	-	-	203	278	H		
			* 4.82388	34.55	ADR	34.60	-29.90	0.15	39.40	54.00	-14.60	-	-	-	-	203	278	H		
	* 4.82318	44.73	PK-U	34.60	-29.90	0.00	49.43	-	-	74.00	-24.57	-	-	134	120	V				
	* 4.82382	34.54	ADR	34.60	-29.90	0.15	39.39	54.00	-14.61	-	-	-	-	134	120	V				
	6.240	39.82	PK-U	36.10	-26.80	0.00	49.12	-	-	-	-	68.20	-19.08	123	101	H				
	6.240	41.64	PK-U	36.10	-26.80	0.00	50.94	-	-	-	-	68.20	-17.26	156	113	V				
	* 7.28692	38.94	PK-U	36.00	-25.00	0.00	49.94	-	-	74.00	-24.06	-	-	189	100	H				
	* 7.28642	27.90	ADR	36.00	-25.00	0.15	39.05	54.00	-14.95	-	-	-	-	189	100	H				
	* 7.28669	42.58	PK-U	36.00	-25.00	0.00	53.58	-	-	74.00	-20.42	-	-	188	100	V				
	* 7.28634	33.00	ADR	36.00	-25.00	0.15	44.15	54.00	-9.85	-	-	-	-	188	100	V				
	* 8.31998	39.28	PK-U	36.20	-23.50	0.00	51.98	-	-	74.00	-22.02	-	-	249	258	H				
	* 8.31992	33.27	ADR	36.20	-23.50	0.15	46.12	54.00	-7.88	-	-	-	-	249	258	H				
	* 8.31988	38.17	PK-U	36.20	-23.50	0.00	50.87	-	-	74.00	-23.13	-	-	205	103	V				
	* 8.32001	31.00	ADR	36.20	-23.50	0.15	43.85	54.00	-10.15	-	-	-	-	205	103	V				
5200	MIMO	6.288	41.28	PK-U	36.20	-26.90	0.00	50.58	-	-	-	-	68.20	-17.62	128	100	H			
		6.288	41.81	PK-U	36.20	-26.90	0.00	51.11	-	-	-	-	68.20	-17.09	153	117	V			
		* 7.34306	38.86	PK-U	36.00	-24.80	0.00	50.06	-	-	74.00	-23.94	-	-	192	100	H			
		* 7.34261	28.02	ADR	36.00	-24.80	0.15	39.37	54.00	-14.63	-	-	-	-	192	100	H			
		* 7.34204	42.09	PK-U	36.00	-24.80	0.00	53.29	-	-	74.00	-20.71	-	-	203	105	V			
		* 7.34229	31.55	ADR	36.00	-24.80	0.15	42.90	54.00	-11.10	-	-	-	-	203	105	V			
		* 8.38365	37.74	PK-U	36.30	-23.50	0.00	50.54	-	-	74.00	-23.46	-	-	249	106	H			
		* 8.38392	29.57	ADR	36.30	-23.50	0.15	42.52	54.00	-11.48	-	-	-	-	249	106	H			
		* 8.38393	38.13	PK-U	36.30	-23.50	0.00	50.93	-	-	74.00	-23.07	-	-	206	112	V			
		* 8.38395	29.97	ADR	36.30	-23.50	0.15	42.92	54.00	-11.08	-	-	-	-	206	112	V			
		802.11ax (HE20) Spot-Check	5180	MIMO	6.216	39.81	PK-U	36.10	-27.30	0.00	48.61	-	-	-	-	68.20	-19.59	248	100	H
					6.216	41.20	PK-U	36.10	-27.30	0.00	50.00	-	-	-	-	68.20	-18.20	161	134	V
* 7.25987	38.73				PK-U	36.00	-24.90	0.00	49.83	-	-	74.00	-24.17	-	-	193	100	H		
* 7.26001	27.97				ADR	36.00	-24.90	0.00	39.07	54.00	-14.93	-	-	-	-	193	100	H		
* 7.26053	42.22				PK-U	36.00	-24.90	0.00	53.32	-	-	74.00	-20.68	-	-	191	112	V		
* 7.26009	32.19				ADR	36.00	-24.90	0.00	43.29	54.00	-10.71	-	-	-	-	191	112	V		
* 8.28802	38.39				PK-U	36.20	-23.70	0.00	50.89	-	-	74.00	-23.11	-	-	141	105	H		
* 8.28796	31.72				ADR	36.20	-23.70	0.00	44.22	54.00	-9.78	-	-	-	-	141	105	H		
* 8.28784	40.10				PK-U	36.20	-23.70	0.00	52.60	-	-	74.00	-21.40	-	-	208	122	V		
* 8.288	35.29				ADR	36.20	-23.70	0.00	47.79	54.00	-6.21	-	-	-	-	208	122	V		
802.11ax (HE40) ORU Spot-Check	5190	MIMO	6.228	40.64	PK-U	36.10	-27.00	0.00	49.74	-	-	-	-	68.20	-18.46	250	100	H		
			6.228	40.99	PK-U	36.10	-27.00	0.00	50.09	-	-	-	-	68.20	-18.11	162	122	V		
			* 7.28395	39.20	PK-U	36.00	-24.90	0.00	50.30	-	-	74.00	-23.70	-	-	195	107	H		
			* 7.28429	28.43	ADR	36.00	-24.90	0.00	39.53	54.00	-14.47	-	-	-	-	195	107	H		
			* 7.28349	43.10	PK-U	36.00	-24.90	0.00	54.20	-	-	74.00	-19.80	-	-	192	128	V		
			* 7.28375	32.30	ADR	36.00	-24.90	0.00	43.40	54.00	-10.60	-	-	-	-	192	128	V		
			* 8.30367	38.16	PK-U	36.20	-23.60	0.00	50.76	-	-	74.00	-23.24	-	-	143	101	H		
			* 8.30407	31.68	ADR	36.20	-23.60	0.00	44.28	54.00	-9.72	-	-	-	-	143	101	H		
			* 8.30401	40.52	PK-U	36.20	-23.60	0.00	53.12	-	-	74.00	-20.88	-	-	209	117	V		
			* 8.30399	35.67	ADR	36.20	-23.60	0.00	48.27	54.00	-5.73	-	-	-	-	209	117	V		
802.11ax (HE80) ORU Spot-Check	5210	MIMO	6.252	39.84	PK-U	36.10	-26.70	0.00	49.24	-	-	-	-	68.20	-18.96	250	107	H		
			6.252	40.88	PK-U	36.10	-26.70	0.00	50.28	-	-	-	-	68.20	-17.92	162	110	V		
			* 7.33229	40.09	PK-U	36.00	-24.80	0.00	51.29	-	-	74.00	-22.71	-	-	188	100	H		
			* 7.33183	27.80	ADR	36.00	-24.80	0.00	39.00	54.00	-15.00	-	-	-	-	188	100	H		
			* 7.3318	42.62	PK-U	36.00	-24.80	0.00	53.82	-	-	74.00	-20.18	-	-	180	110	V		
			* 7.33223	31.40	ADR	36.00	-24.80	0.00	42.60	54.00	-11.40	-	-	-	-	180	110	V		
			* 8.336	39.60	PK-U	36.20	-23.60	0.00	52.20	-	-	74.00	-21.80	-	-	231	243	H		
			* 8.33594	34.89	ADR	36.20	-23.60	0.00	47.49	54.00	-6.51	-	-	-	-	231	243	H		
			* 8.33591	40.23	PK-U	36.20	-23.60	0.00	52.83	-	-	74.00	-21.17	-	-	207	119	V		
			* 8.33591	35.52	ADR	36.20	-23.60	0.00	48.12	54.00	-5.88	-	-	-	-	207	119	V		
802.11ax (HE160) ORU Spot-Check	5250	MIMO	6.300	42.13	PK-U	36.20	-27.30	0.00	51.03	-	-	-	-	68.20	-17.17	249	100	H		
			6.300	43.52	PK-U	36.20	-27.30	0.00	52.42	-	-	-	-	68.20	-15.78	162	138	V		
			* 7.34805	40.17	PK-U	36.00	-24.90	0.00	51.27	-	-	74.00	-22.73	-	-	190	100	H		
			* 7.34767	29.16	ADR	36.00	-24.90	0.00	40.26	54.00	-13.74	-	-	-	-	190	100	H		
			* 7.34789	43.93	PK-U	36.00	-24.90	0.00	55.03	-	-	74.00	-18.97	-	-	187	101	V		
			* 7.34846	32.60	ADR	36.00	-24.90	0.00	43.70	54.00	-10.30	-	-	-	-	187	101	V		
			* 8.39986	38.71	PK-U	36.30	-23.50	0.00	51.51	-	-	74.00	-22.49	-	-	252	261	H		
			* 8.3999	33.20	ADR	36.30	-23.50	0.00	46.00	54.00	-8.00	-	-	-	-	252	261	H		
			* 8.39984	39.53	PK-U	36.30	-23.50	0.00	52.33	-	-	74.00	-21.67	-	-	201	108	V		
			* 8.39986	34.34	ADR	36.30	-23.50	0.00	47.14	54.00	-6.86	-	-	-	-	201	108	V		

11.2. TX ABOVE 1GHz 2Tx MODE IN THE 5.3GHz BAND

BANDEDGE (WORST CASE: 802.11n HT40 / 5310 MHz)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (m)	Polarity
1	* 5.35001	45.06	PK	35.1	-20.2	0	59.96	-	-	74	-14.04	144	100	V
2	* 5.35205	47.21	PK	35.1	-20.2	0	62.11	-	-	74	-11.89	144	100	V
3	* 5.35001	33.95	RMS	35.1	-20.2	17	49.02	54	-4.98	-	-	144	100	V
4	* 5.35139	35.13	RMS	35.1	-20.2	17	50.2	54	-3.8	-	-	144	100	V

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

PK - Peak detector

RMS - RMS detection

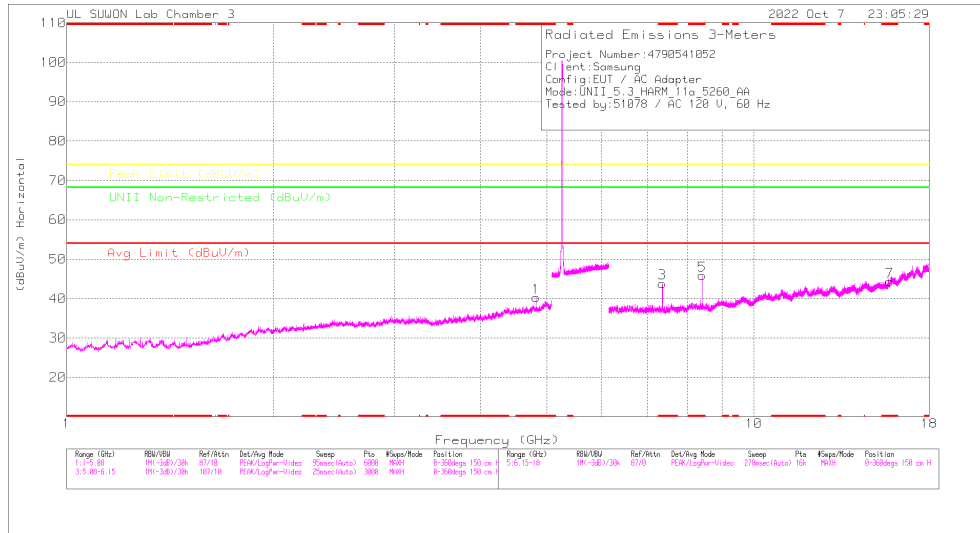
BANDEDGE TEST DATA

Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5320	MIMO	* 5.35001	38.60	Pk	35.10	-20.20	0.00	53.50	-	-	74.00	-20.50	224	100	H
			* 5.35165	41.09	Pk	35.10	-20.20	0.00	55.99	-	-	74.00	-18.01	224	100	H
			* 5.35001	28.72	RMS	35.10	-20.20	0.15	43.77	54.00	-10.23	-	-	224	100	H
			* 5.35227	29.56	RMS	35.10	-20.20	0.15	44.61	54.00	-9.39	-	-	224	100	H
			* 5.35001	41.09	Pk	35.10	-20.20	0.00	55.99	-	-	74.00	-18.01	144	100	V
			* 5.35289	44.94	Pk	35.10	-20.20	0.00	59.84	-	-	74.00	-14.16	144	100	V
			* 5.35001	30.10	RMS	35.10	-20.20	0.15	45.15	54.00	-8.85	-	-	144	100	V
802.11n (HT20)	5320	MIMO	* 5.35023	30.92	RMS	35.10	-20.20	0.15	45.97	54.00	-8.03	-	-	144	100	V
			* 5.35001	40.90	Pk	35.10	-20.20	0.00	55.80	-	-	74.00	-18.20	242	280	H
			* 5.35027	42.45	Pk	35.10	-20.20	0.00	57.35	-	-	74.00	-16.65	242	280	H
			* 5.35001	29.63	RMS	35.10	-20.20	0.17	44.70	54.00	-9.30	-	-	242	280	H
			* 5.35071	30.57	RMS	35.10	-20.20	0.17	45.64	54.00	-8.36	-	-	242	280	H
			* 5.35001	40.51	Pk	35.10	-20.20	0.00	55.41	-	-	74.00	-18.59	128	107	V
			* 5.35281	43.14	Pk	35.10	-20.20	0.00	58.04	-	-	74.00	-15.96	128	107	V
802.11n (HT40)	5310	MIMO	* 5.35001	30.80	RMS	35.10	-20.20	0.17	45.87	54.00	-8.13	-	-	128	107	V
			* 5.35005	31.14	RMS	35.10	-20.20	0.17	46.21	54.00	-7.79	-	-	128	107	V
			* 5.35001	41.20	Pk	35.10	-20.20	0.00	56.10	-	-	74.00	-17.90	234	102	H
			* 5.35083	42.31	Pk	35.10	-20.20	0.00	57.21	-	-	74.00	-16.79	234	102	H
			* 5.35001	30.06	RMS	35.10	-20.20	0.17	45.13	54.00	-8.87	-	-	234	102	H
			* 5.35023	31.31	RMS	35.10	-20.20	0.17	46.38	54.00	-7.62	-	-	234	102	H
			* 5.35001	45.06	Pk	35.10	-20.20	0.00	59.96	-	-	74.00	-14.04	144	100	V
802.11ac (VHT80)	5290	MIMO	* 5.35285	47.21	Pk	35.10	-20.20	0.00	62.11	-	-	74.00	-11.89	144	100	V
			* 5.35001	33.95	RMS	35.10	-20.20	0.17	49.02	54.00	-4.98	-	-	144	100	V
			* 5.35139	35.13	RMS	35.10	-20.20	0.17	50.20	54.00	-3.80	-	-	144	100	V
			* 5.35001	39.35	Pk	35.10	-20.20	0.00	54.25	-	-	74.00	-19.75	233	102	H
			* 5.35675	42.15	Pk	35.10	-20.20	0.00	57.05	-	-	74.00	-16.95	233	102	H
			* 5.35001	28.78	RMS	35.10	-20.20	0.27	43.95	54.00	-10.05	-	-	233	102	H
			* 5.35039	30.25	RMS	35.10	-20.20	0.27	45.42	54.00	-8.58	-	-	233	102	H
802.11ac (VHT160)	5250 Upper	MIMO	* 5.35001	42.70	Pk	35.10	-20.20	0.00	57.60	-	-	74.00	-16.40	138	100	V
			* 5.36365	44.58	Pk	35.10	-20.20	0.00	59.48	-	-	74.00	-14.52	138	100	V
			* 5.35001	31.29	RMS	35.10	-20.20	0.27	46.46	54.00	-7.54	-	-	138	100	V
			* 5.35133	32.19	RMS	35.10	-20.20	0.27	47.36	54.00	-6.64	-	-	138	100	V
			* 5.35001	44.57	Pk	35.10	-20.20	0.00	59.47	-	-	74.00	-14.53	239	150	H
			* 5.35319	47.44	Pk	35.10	-20.20	0.00	62.34	-	-	74.00	-11.66	239	150	H
			* 5.35001	30.11	RMS	35.10	-20.20	0.32	45.33	54.00	-8.67	-	-	239	150	H
802.11ax (HE20)	5320	MIMO	* 5.35409	31.07	RMS	35.10	-20.30	0.32	46.19	54.00	-7.81	-	-	239	150	H
			* 5.35001	44.76	Pk	35.10	-20.20	0.00	59.66	-	-	74.00	-14.34	138	100	V
			* 5.35125	50.80	Pk	35.10	-20.20	0.00	65.70	-	-	74.00	-8.30	138	100	V
			* 5.35001	32.29	RMS	35.10	-20.20	0.32	47.51	54.00	-6.49	-	-	138	100	V
			* 5.36739	33.76	RMS	35.10	-20.20	0.32	48.98	54.00	-5.02	-	-	138	100	V
			* 5.35001	38.63	Pk	35.10	-20.20	0.00	53.53	-	-	74.00	-20.47	221	105	H
			* 5.40704	39.85	Pk	35.20	-20.10	0.00	54.95	-	-	74.00	-19.05	221	105	H
802.11ax (HE40)	5310	MIMO	* 5.35001	27.70	RMS	35.10	-20.20	0.00	42.60	54.00	-11.40	-	-	221	105	H
			* 5.36515	28.93	RMS	35.10	-20.20	0.00	43.83	54.00	-10.17	-	-	221	105	H
			* 5.35001	37.96	Pk	35.10	-20.20	0.00	52.86	-	-	74.00	-21.14	135	100	V
			* 5.39755	40.92	Pk	35.20	-20.20	0.00	55.92	-	-	74.00	-18.08	135	100	V
			* 5.35001	28.80	RMS	35.10	-20.20	0.00	43.70	54.00	-10.30	-	-	135	100	V
			* 5.35081	29.37	RMS	35.10	-20.20	0.00	44.27	54.00	-9.73	-	-	135	100	V
			* 5.35001	44.60	Pk	35.10	-20.20	0.00	59.50	-	-	74.00	-14.50	240	133	H
802.11ax (HE80)	5290	MIMO	* 5.35883	45.58	Pk	35.10	-20.20	0.00	60.48	-	-	74.00	-13.52	240	133	H
			* 5.35001	32.24	RMS	35.10	-20.20	0.00	47.14	54.00	-6.86	-	-	240	133	H
			* 5.35023	32.66	RMS	35.10	-20.20	0.00	47.56	54.00	-6.44	-	-	240	133	H
			* 5.35001	43.84	Pk	35.10	-20.20	0.00	58.74	-	-	74.00	-15.26	136	100	V
			* 5.36119	46.61	Pk	35.10	-20.20	0.00	61.51	-	-	74.00	-12.49	136	100	V
			* 5.35001	33.45	RMS	35.10	-20.20	0.00	48.35	54.00	-5.65	-	-	136	100	V
			* 5.35015	34.02	RMS	35.10	-20.20	0.00	48.92	54.00	-5.08	-	-	136	100	V
802.11ax (HE160)	5250 Upper	MIMO	* 5.35001	41.27	Pk	35.10	-20.20	0.00	56.17	-	-	74.00	-17.83	254	101	H
			* 5.35639	43.45	Pk	35.10	-20.30	0.00	58.25	-	-	74.00	-15.75	254	101	H
			* 5.35001	30.25	RMS	35.10	-20.20	0.00	45.15	54.00	-8.85	-	-	254	100	H
			* 5.36001	31.71	RMS	35.10	-20.20	0.00	46.61	54.00	-7.39	-	-	254	100	H
			* 5.35001	40.73	Pk	35.10	-20.20	0.00	55.63	-	-	74.00	-18.37	142	100	V
			* 5.35289	44.28	Pk	35.10	-20.20	0.00	59.18	-	-	74.00	-14.82	142	100	V
			* 5.35001	32.12	RMS	35.10	-20.20	0.00	47.02	54.00	-6.98	-	-	142	100	V
802.11ax (HE160)	5250 Upper	MIMO	* 5.35415	32.33	RMS	35.10	-20.30	0.00	47.13	54.00	-6.87	-	-	142	100	V
			* 5.35001	42.74	Pk	35.10	-20.20	0.00	57.64	-	-	74.00	-16.36	160	121	H
			* 5.35111	44.22	Pk	35.10	-20.20	0.00	59.12	-	-	74.00	-14.88	160	121	H
			* 5.35001	28.78	RMS	35.10	-20.20	0.00	43.68	54.00	-10.32	-	-	160	121	H
			* 5.36143	30.41	RMS	35.10	-20.20	0.00	45.31	54.00	-8.69	-	-	160	121	H
			* 5.35001	41.09	Pk	35.10	-20.20	0.00	55.99	-	-	74.00	-18.01	135	100	V
			* 5.39417	43.45	Pk	35.20	-20.20	0.00	58.45	-	-	74.00	-15.55	135	100	V
802.11ax (HE160)	5250 Upper	MIMO	* 5.35001	30.91	RMS	35.10	-20.20	0.00	45.81	54.00	-8.19	-	-	135	100	V
			* 5.36513	31.53	RMS	35.10	-20.20	0.00	46.43	54.00	-7.57	-	-	135	100	V

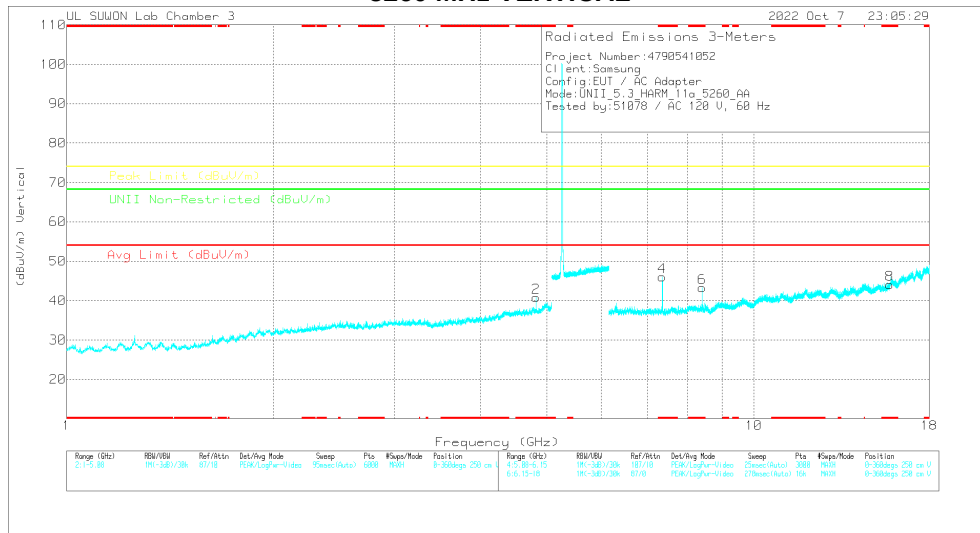
Note1. Pk - Peak detector, RMS - RMS detector

Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11a / 5260 MHz)
5260 MHz HORIZONTAL



5260 MHz 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.

5260 MHz DATA

Radiated Emissions

Frequency (GHz)	Meas. Reading (dBuV)	Det.	3117_00218957	5GHz_MPSdB	DC Cor (dB)	Corrected Reading (dBuV)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.82275	43.46	PK-U	34.6	-29.9	0	48.16	-	-	74	-25.84	-	-	170	101	H
* 4.82414	44.04	PK-U	34.6	-29.9	0	48.74	-	-	74	-25.26	-	-	125	110	V
* 4.82397	33.42	ADR	34.6	-29.9	15	38.27	54	-15.73	-	-	-	-	170	101	H
* 4.82382	34.9	ADR	34.6	-29.9	15	39.75	54	-14.25	-	-	-	-	125	110	V

Frequency (GHz)	Meas. Reading (dBuV)	Det.	3117_00218957	5GHz_MPSdB	DC Cor (dB)	Corrected Reading (dBuV)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 7.37063	29.72	ADR	36	-25.1	15	40.77	54	-13.23	-	-	-	-	177	104	H
* 7.36059	40.48	PK-U	36	-25	0	51.48	-	-	74	-22.52	-	-	177	104	H
* 7.37074	35.13	ADR	36	-25.1	15	48.18	54	-7.82	-	-	-	-	186	108	V
* 7.36075	44.91	PK-U	36	-25	0	55.91	-	-	74	-18.09	-	-	186	108	V
* 8.41599	33.17	ADR	36.3	-23.4	15	46.22	54	-7.78	-	-	-	-	253	247	H
* 8.41619	39.01	PK-U	36.3	-23.4	0	51.91	-	-	74	-22.09	-	-	253	247	H
* 8.41597	30.36	ADR	36.3	-23.4	15	43.41	54	-10.59	-	-	-	-	199	119	V
* 8.41615	37.93	PK-U	36.3	-23.4	0	50.83	-	-	74	-23.17	-	-	199	119	V
* 15.78309	34.41	PK-U	40.6	-20.8	0	54.21	-	-	74	-19.79	-	-	0	100	H
* 15.77733	34.29	PK-U	40.6	-20.8	0	54.09	-	-	74	-19.91	-	-	360	100	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

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5260	MIMO	* 4.82275	43.46	PK-U	34.60	-29.90	0.00	48.16	-	-	74.00	-25.84	-	-	170	101	H
			* 4.82414	44.04	PK-U	34.60	-29.90	0.00	48.74	-	-	74.00	-25.26	-	-	125	110	V
			* 4.82397	33.42	ADR	34.60	-29.90	0.15	38.27	54.00	-15.73	-	-	-	-	170	101	H
			* 4.82382	34.90	ADR	34.60	-29.90	0.15	39.75	54.00	-14.25	-	-	-	-	125	110	V
			* 7.37063	29.72	ADR	36.00	-25.10	0.15	40.77	54.00	-13.23	-	-	-	-	177	104	H
			* 7.36059	40.48	PK-U	36.00	-25.00	0.00	51.48	-	-	74.00	-22.52	-	-	177	104	H
			* 7.37074	35.13	ADR	36.00	-25.10	0.15	46.18	54.00	-7.82	-	-	-	-	186	108	V
			* 7.36075	44.91	PK-U	36.00	-25.00	0.00	55.91	-	-	74.00	-18.09	-	-	186	108	V
			* 8.41599	33.17	ADR	36.30	-23.40	0.15	46.22	54.00	-7.78	-	-	-	-	253	247	H
			* 8.41619	39.01	PK-U	36.30	-23.40	0.00	51.91	-	-	74.00	-22.09	-	-	253	247	H
			* 8.41597	30.36	ADR	36.30	-23.40	0.15	43.41	54.00	-10.59	-	-	-	-	199	119	V
			* 8.41615	37.93	PK-U	36.30	-23.40	0.00	50.83	-	-	74.00	-23.17	-	-	199	119	V
			* 15.78309	34.41	PK-U	40.60	-20.80	0.00	54.21	-	-	74.00	-19.79	-	-	0	100	H
			* 15.77733	34.29	PK-U	40.60	-20.80	0.00	54.09	-	-	74.00	-19.91	-	-	360	100	V
	5300	MIMO	* 7.41706	40.80	PK-U	36.00	-25.70	0.00	51.10	-	-	74.00	-22.90	-	-	185	101	H
			* 7.4271	30.67	ADR	36.00	-25.70	0.15	41.12	54.00	-12.88	-	-	-	-	185	101	H
			* 7.41594	43.83	PK-U	36.00	-25.60	0.00	54.23	-	-	74.00	-19.77	-	-	197	108	V
			* 7.42083	34.30	ADR	36.00	-25.70	0.15	44.75	54.00	-9.25	-	-	-	-	197	108	V
			* 8.47975	37.60	PK-U	36.40	-23.10	0.00	50.90	-	-	74.00	-23.10	-	-	253	235	H
			* 8.47991	30.77	ADR	36.40	-23.10	0.15	44.22	54.00	-9.78	-	-	-	-	253	235	H
			* 8.48007	36.11	PK-U	36.40	-23.10	0.00	49.41	-	-	74.00	-24.59	-	-	202	236	V
			* 8.47993	27.12	ADR	36.40	-23.10	0.15	40.57	54.00	-13.43	-	-	-	-	202	236	V
			* 15.90745	33.88	PK-U	40.80	-20.30	0.00	54.38	-	-	74.00	-19.62	-	-	0	100	H
			* 15.9053	34.37	PK-U	40.80	-20.30	0.00	54.87	-	-	74.00	-19.13	-	-	0	100	V
	5320	MIMO	6.384	41.15	PK-U	36.30	-27.60	0.00	49.85	-	-	-	-	68.20	-18.35	224	100	H
			6.384	41.49	PK-U	36.30	-27.60	0.00	50.19	-	-	-	-	68.20	-18.01	155	140	V
			* 7.44043	39.86	PK-U	36.00	-25.70	0.00	50.16	-	-	74.00	-23.84	-	-	181	100	H
			* 7.45501	29.03	ADR	36.00	-25.60	0.15	39.58	54.00	-14.42	-	-	-	-	181	100	H
			* 7.44489	42.62	PK-U	36.00	-25.70	0.00	52.92	-	-	74.00	-21.08	-	-	193	106	V
			* 7.45453	32.95	ADR	36.00	-25.70	0.15	43.40	54.00	-10.60	-	-	-	-	193	106	V
			8.512	36.25	PK-U	36.40	-22.90	0.00	49.75	-	-	-	-	68.20	-18.45	252	251	H
			8.512	35.35	PK-U	36.40	-22.90	0.00	48.85	-	-	-	-	68.20	-19.35	201	106	V
802.11ax (HE20) ORU Spot-Check	5300	MIMO	* 7.41111	41.62	PK-U	36.00	-25.60	0.00	52.02	-	-	74.00	-21.98	-	-	243	292	H
			* 7.41133	30.76	ADR	36.00	-25.60	0.00	41.16	54.00	-12.84	-	-	-	-	243	292	H
			* 7.41112	42.77	PK-U	36.00	-25.60	0.00	53.17	-	-	74.00	-20.83	-	-	185	238	V
			* 7.41114	32.45	ADR	36.00	-25.60	0.00	42.85	54.00	-11.15	-	-	-	-	185	238	V
			* 8.47979	35.95	PK-U	36.40	-23.10	0.00	49.25	-	-	74.00	-24.75	-	-	149	104	H
			* 8.47981	28.21	ADR	36.40	-23.10	0.00	41.51	54.00	-12.49	-	-	-	-	149	104	H
			* 8.47975	37.73	PK-U	36.40	-23.10	0.00	51.03	-	-	74.00	-22.97	-	-	194	103	V
			* 8.47991	31.09	ADR	36.40	-23.10	0.00	44.39	54.00	-9.61	-	-	-	-	194	103	V
			* 15.89455	33.27	PK-U	40.80	-20.30	0.00	53.77	-	-	74.00	-20.23	-	-	0	100	H
			* 15.90665	33.33	PK-U	40.80	-20.30	0.00	53.83	-	-	74.00	-20.17	-	-	0	100	V

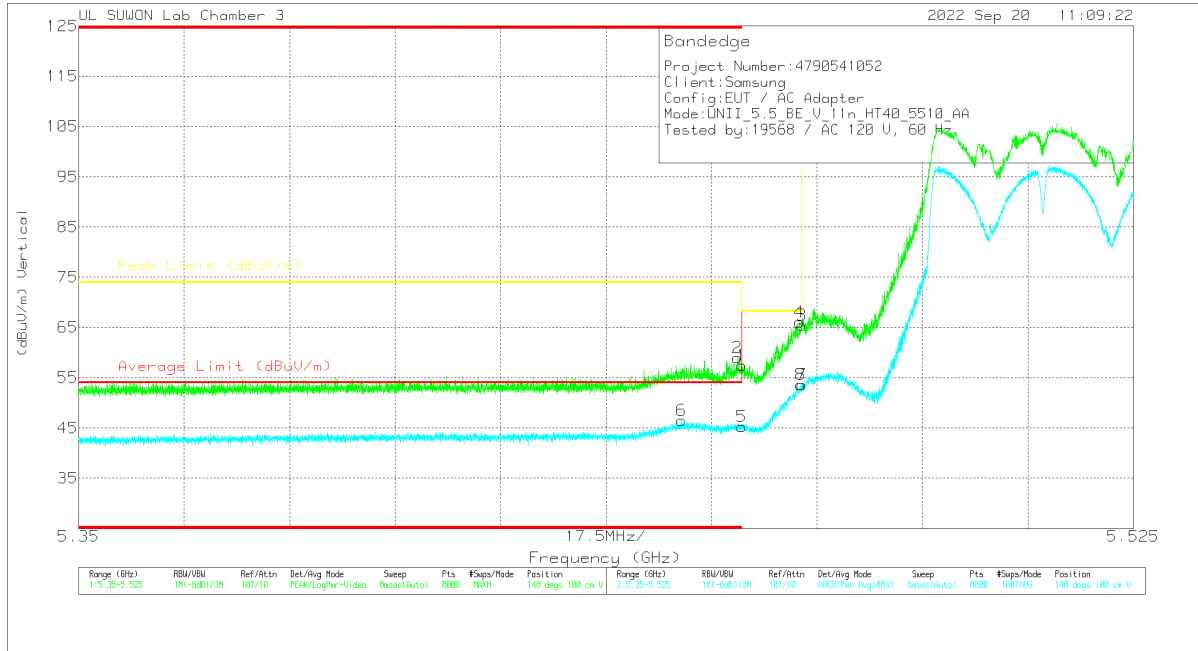
Note1. PK-U - U-NII: Maximum Peak / ADR - U-NII AD primary method, RMS average

Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

11.3. TX ABOVE 1GHz 2Tx MODE IN THE 5.5 GHz BAND

BANDEDGE (WORST CASE: 802.11n HT40 / 5510 MHz)

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	10dB_ATT[dB]	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (feet)	Height (m)	Polarity
1	* 5.45998	42.34	Pk	35.3	-20.1	0	57.54	-	-	74	-16.46	148	100	V
2	* 5.45928	43.73	Pk	35.3	-20.1	0	58.93	-	-	74	-15.07	148	100	V
3	5.46998	50.3	Pk	35.3	-20.1	0	65.5	-	-	68.2	-2.7	148	100	V
4	5.46959	50.84	Pk	35.3	-20.1	0	66.04	-	-	68.2	-2.16	148	100	V
5	* 5.45998	29.91	RMS	35.3	-20.1	17	45.28	54	-8.72	-	-	148	100	V
6	* 5.45903	31.13	RMS	35.3	-20.1	17	46.5	54	-7.5	-	-	148	100	V
7	5.46998	38.28	RMS	35.3	-20.1	17	53.05	-	-	-	-	148	100	V
8	5.46983	38.23	RMS	35.3	-20.1	17	53.6	-	-	-	-	148	100	V

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

PK - Peak detector

RMS - RMS detection

BANDEDGE TEST DATA

Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5500	MIMO	* 5.45998	38.00	Pk	35.30	-20.10	0.00	53.20	-	-	74.00	-20.80	222	100	H
			* 5.45928	40.47	Pk	35.30	-20.10	0.00	55.67	-	-	74.00	-18.33	222	100	H
			5.46998	40.75	Pk	35.30	-20.10	0.00	55.95	-	-	68.20	-12.25	222	100	H
			5.46985	40.51	Pk	35.30	-20.10	0.00	55.71	-	-	68.20	-12.49	222	100	H
			* 5.45998	27.86	RMS	35.30	-20.10	0.15	43.21	54.00	-10.79	-	-	222	100	H
			* 5.45992	29.01	RMS	35.30	-20.10	0.15	44.36	54.00	-9.64	-	-	222	100	H
			5.46998	30.03	RMS	35.30	-20.10	0.15	45.38	-	-	-	-	222	100	H
			5.46991	29.89	RMS	35.30	-20.10	0.15	45.24	-	-	-	-	222	100	H
			* 5.45998	40.02	Pk	35.30	-20.10	0.00	55.22	-	-	74.00	-18.78	139	100	V
			* 5.44057	41.86	Pk	35.30	-20.10	0.00	57.06	-	-	74.00	-16.94	139	100	V
			5.46998	43.16	Pk	35.30	-20.10	0.00	58.36	-	-	68.20	-9.84	139	100	V
			5.46591	43.85	Pk	35.30	-20.10	0.00	59.05	-	-	68.20	-9.15	139	100	V
			* 5.45998	29.53	RMS	35.30	-20.10	0.15	44.88	54.00	-9.12	-	-	139	100	V
			* 5.45738	29.95	RMS	35.30	-20.10	0.15	45.30	54.00	-8.70	-	-	139	100	V
			5.46998	31.90	RMS	35.30	-20.10	0.15	47.25	-	-	-	-	139	100	V
			5.46974	32.17	RMS	35.30	-20.10	0.15	47.52	-	-	-	-	139	100	V
	5700	MIMO	5.72500	38.07	Pk	35.70	-19.50	0.00	54.27	-	-	68.20	-13.93	240	128	H
			* 5.75459	39.88	Pk	35.70	-19.40	0.00	56.18	-	-	68.20	-12.02	240	128	H
			5.72500	38.94	Pk	35.70	-19.50	0.00	55.14	-	-	68.20	-13.06	144	105	V
			5.72877	41.57	Pk	35.70	-19.50	0.00	57.77	-	-	68.20	-10.43	144	105	V
802.11n (HT20)	5500	MIMO	* 5.45998	38.50	Pk	35.30	-20.10	0.00	53.70	-	-	74.00	-20.30	156	281	H
			* 5.40382	40.44	Pk	35.20	-20.20	0.00	55.44	-	-	74.00	-18.56	156	281	H
			5.46998	38.25	Pk	35.30	-20.10	0.00	54.45	-	-	68.20	-13.75	156	281	H
			5.46834	40.06	Pk	35.30	-20.10	0.00	55.26	-	-	68.20	-12.94	156	281	H
			* 5.45998	27.45	RMS	35.30	-20.10	0.17	42.82	54.00	-11.18	-	-	156	281	H
			* 5.45025	28.97	RMS	35.30	-20.10	0.17	44.34	54.00	-9.66	-	-	156	281	H
			5.46998	27.73	RMS	35.30	-20.10	0.17	43.10	-	-	-	-	156	281	H
			5.46987	29.40	RMS	35.30	-20.10	0.17	44.77	-	-	-	-	156	281	H
			* 5.45998	37.63	Pk	35.30	-20.10	0.00	52.83	-	-	74.00	-21.17	209	103	V
			* 5.44893	41.05	Pk	35.30	-20.10	0.00	56.25	-	-	74.00	-17.75	209	103	V
			5.46998	39.14	Pk	35.30	-20.10	0.00	54.34	-	-	68.20	-13.86	209	103	V
			5.46926	40.79	Pk	35.30	-20.10	0.00	55.99	-	-	68.20	-12.21	209	103	V
			* 5.45998	28.33	RMS	35.30	-20.10	0.17	43.70	54.00	-10.30	-	-	209	103	V
			* 5.45952	29.18	RMS	35.30	-20.10	0.17	44.55	54.00	-9.45	-	-	209	103	V
			5.46998	28.38	RMS	35.30	-20.10	0.17	43.75	-	-	-	-	209	103	V
			5.46941	29.44	RMS	35.30	-20.10	0.17	44.81	-	-	-	-	209	103	V
	5700	MIMO	5.72500	37.91	Pk	35.70	-19.50	0.00	54.11	-	-	68.20	-14.09	240	390	H
			5.82406	39.51	Pk	35.80	-19.30	0.00	56.01	-	-	68.20	-12.19	240	390	H
			* 5.72500	38.83	Pk	35.70	-19.50	0.00	56.03	-	-	68.20	-12.17	215	112	V
			5.72575	41.72	Pk	35.70	-19.50	0.00	57.92	-	-	68.20	-10.28	215	112	V
802.11n (HT40)	5510	MIMO	* 5.45998	38.93	Pk	35.30	-20.10	0.00	54.13	-	-	74.00	-19.87	236	101	H
			* 5.45396	40.79	Pk	35.30	-20.10	0.00	55.99	-	-	74.00	-18.01	236	101	H
			5.46998	46.43	Pk	35.30	-20.10	0.00	61.63	-	-	68.20	-6.57	236	101	H
			5.46948	48.70	Pk	35.30	-20.10	0.00	63.90	-	-	68.20	-4.30	236	101	H
			* 5.45998	28.96	RMS	35.30	-20.10	0.17	44.33	54.00	-9.67	-	-	236	100	H
			* 5.45812	29.19	RMS	35.30	-20.10	0.17	44.56	54.00	-9.44	-	-	236	100	H
			5.46998	34.42	RMS	35.30	-20.10	0.17	49.79	-	-	-	-	236	100	H
			5.46967	35.26	RMS	35.30	-20.10	0.17	50.63	-	-	-	-	236	100	H
			* 5.45998	42.34	Pk	35.30	-20.10	0.00	57.54	-	-	74.00	-16.46	148	100	V
			* 5.45928	43.73	Pk	35.30	-20.10	0.00	58.93	-	-	74.00	-15.07	148	100	V
			5.46998	50.30	Pk	35.30	-20.10	0.00	65.50	-	-	68.20	-2.70	148	100	V
			5.46959	50.84	Pk	35.30	-20.10	0.00	66.04	-	-	68.20	-2.16	148	100	V
			* 5.45998	29.91	RMS	35.30	-20.10	0.17	45.28	54.00	-8.72	-	-	148	100	V
			* 5.45003	31.13	RMS	35.30	-20.10	0.17	46.50	54.00	-7.50	-	-	148	100	V
			5.46998	38.28	RMS	35.30	-20.10	0.17	53.65	-	-	-	-	148	100	V
			5.46983	38.23	RMS	35.30	-20.10	0.17	53.60	-	-	-	-	148	100	V
	5670	MIMO	5.72500	37.84	Pk	35.70	-19.50	0.00	54.04	-	-	68.20	-14.16	239	110	H
			5.74119	40.48	Pk	35.70	-19.50	0.00	56.68	-	-	68.20	-11.52	239	110	H
			5.72500	39.12	Pk	35.70	-19.50	0.00	55.32	-	-	68.20	-12.88	152	102	V
			5.72682	40.24	Pk	35.70	-19.50	0.00	56.44	-	-	68.20	-11.76	152	102	V
802.11ac (VHT80)	5530	MIMO	* 5.45998	40.06	Pk	35.30	-20.10	0.00	55.26	-	-	74.00	-18.74	237	104	H
			* 5.43401	41.67	Pk	35.30	-20.10	0.00	56.87	-	-	74.00	-17.13	237	104	H
			5.46998	38.88	Pk	35.30	-20.10	0.00	54.08	-	-	68.20	-14.12	237	104	H
			5.46245	42.15	Pk	35.30	-20.10	0.00	57.35	-	-	68.20	-10.85	237	104	H
			* 5.45998	28.89	RMS	35.30	-20.10	0.27	44.36	54.00	-9.64	-	-	237	104	H
			* 5.45392	29.81	RMS	35.30	-20.10	0.27	45.28	54.00	-8.72	-	-	237	104	H
			5.46998	28.48	RMS	35.30	-20.10	0.27	43.95	-	-	-	-	237	104	H
			5.46223	29.94	RMS	35.30	-20.10	0.27	45.41	-	-	-	-	237	104	H
			* 5.45998	41.36	Pk	35.30	-20.10	0.00	56.56	-	-	74.00	-17.44	137	112	V
			* 5.43935	43.86	Pk	35.30	-20.10	0.00	59.06	-	-	74.00	-14.94	137	112	V
			5.46998	41.15	Pk	35.30	-20.10	0.00	56.35	-	-	68.20	-11.85	137	112	V
			5.46352	43.48	Pk	35.30	-20.10	0.00	58.68	-	-	68.20	-9.52	137	112	V
			* 5.45998	31.34	RMS	35.30	-20.10	0.27	46.81	54.00	-7.19	-	-	137	112	V
			* 5.45939	31.71	RMS	35.30	-20.10	0.27	47.18	54.00	-6.82	-	-	137	112	V
			5.46998	30.43	RMS	35.30	-20.10	0.27	45.90	-	-	-	-	137	112	V
			5.46803	31.87	RMS	35.30	-20.10	0.27	47.34	-	-	-	-	137	112	V
	5610	MIMO	5.72500	37.08	Pk	35.70	-19.50	0.00	53.28	-	-	68.20	-14.92	223	100	H
			5.73441	39.17	Pk	35.70	-19.50	0.00	55.37	-	-	68.20	-12.83	223	100	H
			5.72500	37.46	Pk	35.70	-19.50	0.00	53.66	-	-	68.20	-14.54	137	102	V
			5.80575	40.06	Pk	35.80	-19.40	0.00	56.46	-	-	68.20	-11.74	137	102	V

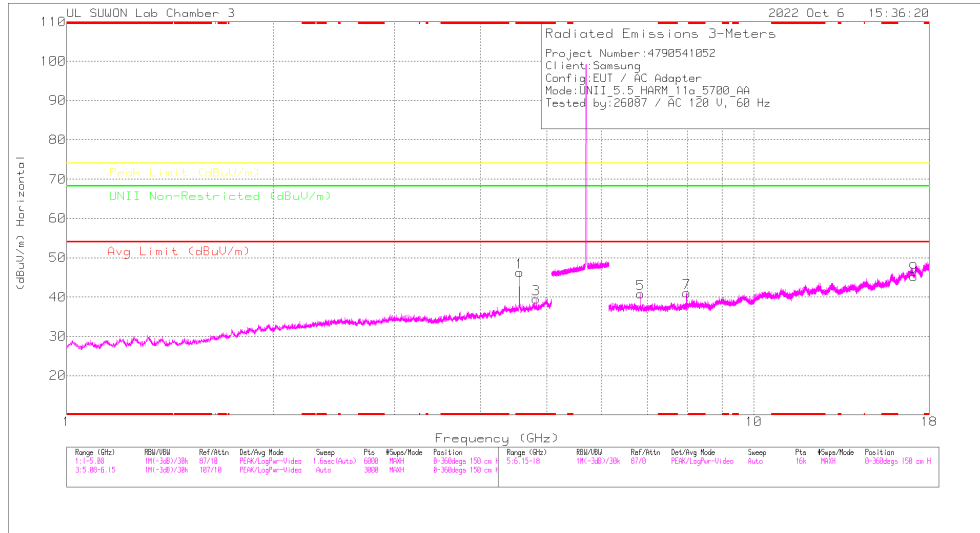
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11ac (VHT160)	5570 Lower	MIMO	* 5.45998	40.62	Pk	35.30	-20.10	0.00	55.82	-	-	74.00	-18.18	240	104	H
			* 5.45418	45.56	Pk	35.30	-20.10	0.00	60.76	-	-	74.00	-13.24	240	104	H
			5.46998	40.75	Pk	35.30	-20.10	0.00	55.95	-	-	68.20	-12.25	240	104	H
			5.46580	46.60	Pk	35.30	-20.10	0.00	61.80	-	-	68.20	-6.40	240	104	H
			* 5.45998	29.71	RMS	35.30	-20.10	0.32	45.23	54.00	-8.77	-	-	240	104	H
			* 5.43725	30.94	RMS	35.30	-20.10	0.32	46.46	54.00	-7.54	-	-	240	104	H
			5.46998	29.59	RMS	35.30	-20.10	0.32	45.11	-	-	-	-	240	104	H
			5.46834	30.34	RMS	35.30	-20.10	0.32	45.86	-	-	-	-	240	104	H
			* 5.45998	44.75	Pk	35.30	-20.10	0.00	59.95	-	-	74.00	-14.05	136	112	V
			* 5.45685	49.56	Pk	35.30	-20.10	0.00	64.76	-	-	74.00	-9.24	136	112	V
			5.46998	46.17	Pk	35.30	-20.10	0.00	61.37	-	-	68.20	-6.83	136	112	V
	5570 Upper	MIMO	5.46845	50.46	Pk	35.30	-20.10	0.00	65.66	-	-	68.20	-2.54	136	112	V
			* 5.45998	31.42	RMS	35.30	-20.10	0.32	46.94	54.00	-7.06	-	-	136	112	V
			* 5.44751	33.15	RMS	35.30	-20.10	0.32	48.67	54.00	-5.33	-	-	136	112	V
			5.46998	31.04	RMS	35.30	-20.10	0.32	46.56	-	-	-	-	136	112	V
			5.46541	32.42	RMS	35.30	-20.10	0.32	47.94	-	-	-	-	136	112	V
			5.72501	39.63	Pk	35.70	-19.50	0.00	55.83	-	-	68.20	-12.37	240	131	H
			5.73879	40.84	Pk	35.70	-19.50	0.00	57.04	-	-	68.20	-11.16	240	131	H
			5.72501	40.49	Pk	35.70	-19.50	0.00	56.69	-	-	68.20	-11.51	140	100	V
			5.72627	43.06	Pk	35.70	-19.50	0.00	59.26	-	-	68.20	-8.94	140	100	V
802.11ax (HE20)	5500	MIMO	* 5.45998	38.35	Pk	35.30	-20.10	0.00	53.55	-	-	74.00	-20.45	222	100	H
			* 5.44777	40.02	Pk	35.30	-20.10	0.00	55.22	-	-	74.00	-18.78	222	100	H
			5.46998	38.21	Pk	35.30	-20.10	0.00	53.41	-	-	68.20	-14.79	222	100	H
			5.46256	39.97	Pk	35.30	-20.10	0.00	55.17	-	-	68.20	-13.03	222	100	H
			* 5.45998	27.75	RMS	35.30	-20.10	0.00	42.95	54.00	-11.05	-	-	222	100	H
			* 5.42342	28.58	RMS	35.20	-20.10	0.00	43.68	54.00	-10.32	-	-	222	100	H
			5.46998	27.53	RMS	35.30	-20.10	0.00	42.73	-	-	-	-	222	100	H
			5.46854	28.62	RMS	35.30	-20.10	0.00	43.82	-	-	-	-	222	100	H
			* 5.45998	37.90	Pk	35.30	-20.10	0.00	53.10	-	-	74.00	-20.90	138	100	V
			* 5.45486	40.22	Pk	35.30	-20.10	0.00	55.42	-	-	74.00	-18.58	138	100	V
			5.46998	38.86	Pk	35.30	-20.10	0.00	54.06	-	-	68.20	-14.14	138	100	V
			5.46976	40.76	Pk	35.30	-20.10	0.00	55.96	-	-	68.20	-12.24	138	100	V
	5700	MIMO	* 5.45998	27.76	RMS	35.30	-20.10	0.00	42.96	54.00	-11.04	-	-	138	100	V
			* 5.45429	28.97	RMS	35.30	-20.10	0.00	44.17	54.00	-9.83	-	-	138	100	V
			5.46998	28.57	RMS	35.30	-20.10	0.00	43.77	-	-	-	-	138	100	V
			5.46878	29.57	RMS	35.30	-20.10	0.00	44.77	-	-	-	-	138	100	V
			5.72500	37.52	Pk	35.70	-19.50	0.00	53.72	-	-	68.20	-14.48	238	132	H
			5.75398	39.69	Pk	35.70	-19.40	0.00	55.99	-	-	68.20	-12.21	238	132	H
			5.72500	37.66	Pk	35.70	-19.50	0.00	53.86	-	-	68.20	-14.34	140	100	V
			5.72732	40.52	Pk	35.70	-19.50	0.00	56.72	-	-	68.20	-11.48	140	100	V
802.11ax (HE40)	5510	MIMO	* 5.45998	38.98	Pk	35.30	-20.10	0.00	54.18	-	-	74.00	-19.82	220	100	H
			* 5.45915	40.70	Pk	35.30	-20.10	0.00	55.90	-	-	74.00	-18.10	220	100	H
			5.46998	39.24	Pk	35.30	-20.10	0.00	54.44	-	-	68.20	-13.76	220	100	H
			5.46250	41.04	Pk	35.30	-20.10	0.00	56.24	-	-	68.20	-11.96	220	100	H
			* 5.45998	28.63	RMS	35.30	-20.10	0.00	43.83	54.00	-10.17	-	-	220	100	H
			* 5.4593	29.02	RMS	35.30	-20.10	0.00	44.22	54.00	-9.78	-	-	220	100	H
			5.46998	28.44	RMS	35.30	-20.10	0.00	43.64	-	-	-	-	220	100	H
			5.46845	29.72	RMS	35.30	-20.10	0.00	44.92	-	-	-	-	220	100	H
			* 5.45998	37.74	Pk	35.30	-20.10	0.00	52.94	-	-	74.00	-21.06	143	103	V
			* 5.45245	40.71	Pk	35.30	-20.10	0.00	55.91	-	-	74.00	-18.09	143	103	V
			5.46998	39.95	Pk	35.30	-20.10	0.00	55.15	-	-	68.20	-13.05	143	103	V
			5.46858	41.89	Pk	35.30	-20.10	0.00	57.09	-	-	68.20	-11.11	143	103	V
	5670	MIMO	* 5.45998	28.83	RMS	35.30	-20.10	0.00	44.03	54.00	-9.97	-	-	143	103	V
			* 5.45902	29.40	RMS	35.30	-20.10	0.00	44.60	54.00	-9.40	-	-	143	103	V
			5.46998	29.97	RMS	35.30	-20.10	0.00	45.17	-	-	-	-	143	103	V
			5.46882	30.72	RMS	35.30	-20.10	0.00	45.92	-	-	-	-	143	103	V
			5.72500	37.34	Pk	35.70	-19.50	0.00	53.54	-	-	68.20	-14.66	237	113	H
			5.74699	40.48	Pk	35.70	-19.50	0.00	56.68	-	-	68.20	-11.52	237	113	H
			5.72500	37.19	Pk	35.70	-19.50	0.00	53.39	-	-	68.20	-14.81	140	103	V
			5.79028	39.80	Pk	35.80	-19.40	0.00	56.20	-	-	68.20	-12.00	140	103	V
802.11ax (HE80)	5530	MIMO	* 5.45998	38.78	Pk	35.30	-20.10	0.00	53.98	-	-	74.00	-20.02	154	158	H
			* 5.45372	42.39	Pk	35.30	-20.10	0.00	57.59	-	-	74.00	-16.41	154	158	H
			5.46998	39.10	Pk	35.30	-20.10	0.00	54.30	-	-	68.20	-13.90	154	158	H
			5.46604	42.52	Pk	35.30	-20.10	0.00	57.72	-	-	68.20	-10.48	154	158	H
			* 5.45998	30.04	RMS	35.30	-20.10	0.00	45.24	54.00	-8.76	-	-	154	158	H
			* 5.45987	30.99	RMS	35.30	-20.10	0.00	46.19	54.00	-7.81	-	-	154	158	H
			5.46998	30.17	RMS	35.30	-20.10	0.00	45.37	-	-	-	-	154	158	H
			5.46808	30.76	RMS	35.30	-20.10	0.00	45.96	-	-	-	-	154	158	H
			* 5.45998	40.12	Pk	35.30	-20.10	0.00	55.32	-	-	74.00	-18.68	136	100	V
			* 5.45221	42.83	Pk	35.30	-20.10	0.00	58.03	-	-	74.00	-15.97	136	100	V
			5.46998	40.40	Pk	35.30	-20.10	0.00	55.60	-	-	68.20	-12.60	136	100	V
			5.46748	42.41	Pk	35.30	-20.10	0.00	57.61	-	-	68.20	-10.59	136	100	V
	5610	MIMO	* 5.45998	30.65	RMS	35.30	-20.10	0.00	45.85	54.00	-8.15	-	-	136	100	V
			* 5.45755	31.31	RMS	35.30	-20.10	0.00	46.51	54.00	-7.49	-	-	136	100	V
			5.46998	30.38	RMS	35.30	-20.10	0.00	45.58	-	-	-	-	136	100	V
			5.46985	31.37	RMS	35.30	-20.10	0.00	46.57	-	-	-	-	136	100	V
			5.72500	39.02	Pk	35.70	-19.50	0.00	55.22	-	-	68.20	-12.98	228	100	H
			5.77729	39.79	Pk	35.80	-19.40	0.00	56.19	-	-	68.20	-12.01	228	100	H
			5.72500	37.26	Pk	35.70	-19.50	0.00	53.46	-	-	68.20	-14.74	142	103	V
			5.74644	40.10	Pk	35.70	-19.50	0.00	56.30	-	-	68.20	-11.90	142	103	V

Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11ax (HE160)	5570 Lower	MIMO	* 5.45998	42.38	Pk	35.30	-20.10	0.00	57.58	-	-	74.00	-16.42	156	139	H
			* 5.43515	44.54	Pk	35.30	-20.10	0.00	59.74	-	-	74.00	-14.26	156	139	H
			5.46998	42.74	Pk	35.30	-20.10	0.00	57.94	-	-	68.20	-10.26	156	139	H
			5.46046	44.58	Pk	35.30	-20.10	0.00	59.78	-	-	68.20	-8.42	156	139	H
			* 5.45998	31.15	RMS	35.30	-20.10	0.00	46.35	54.00	-7.65	-	-	156	139	H
			* 5.42762	32.67	RMS	35.30	-20.10	0.00	47.87	54.00	-6.13	-	-	156	139	H
			5.46998	31.17	RMS	35.30	-20.10	0.00	46.37	-	-	-	-	156	139	H
			5.46232	32.61	RMS	35.30	-20.10	0.00	47.81	-	-	-	-	156	139	H
			* 5.45998	41.45	Pk	35.30	-20.10	0.00	56.65	-	-	74.00	-17.35	138	100	V
			* 5.41762	45.43	Pk	35.20	-20.10	0.00	60.53	-	-	74.00	-13.47	138	100	V
			5.46998	41.91	Pk	35.30	-20.10	0.00	57.11	-	-	68.20	-11.09	138	100	V
			5.46274	44.14	Pk	35.30	-20.10	0.00	59.34	-	-	68.20	-8.86	138	100	V
			* 5.45998	32.05	RMS	35.30	-20.10	0.00	47.25	54.00	-6.75	-	-	138	100	V
			* 5.44727	32.89	RMS	35.30	-20.10	0.00	48.09	54.00	-5.91	-	-	138	100	V
			5.46998	31.85	RMS	35.30	-20.10	0.00	47.05	-	-	-	-	138	100	V
			5.46549	32.68	RMS	35.30	-20.10	0.00	47.88	-	-	-	-	138	100	V
	5570 Upper	MIMO	5.72501	38.60	Pk	35.70	-19.50	0.00	54.80	-	-	68.20	-13.40	221	100	H
			5.73207	41.18	Pk	35.70	-19.50	0.00	57.38	-	-	68.20	-10.82	221	100	H
			5.72501	38.70	Pk	35.70	-19.50	0.00	54.90	-	-	68.20	-13.30	146	103	V
			5.73629	40.66	Pk	35.70	-19.50	0.00	56.86	-	-	68.20	-11.34	146	103	V

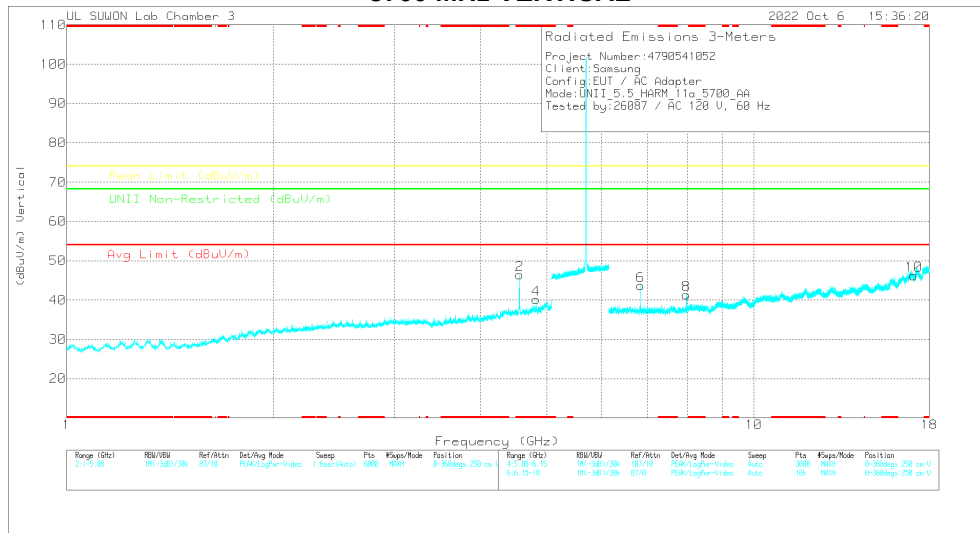
Note1. Pk - Peak detector, RMS - RMS detector

Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11a / 5700 MHz)
5700 MHz HORIZONTAL



5700 MHz 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.

5700 MHz DATA

Radiated Emissions

Frequency (GHz)	Meas. Reading (dBuV)	Det.	3117_00218957	5GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Admth. (dBuV)	Height (cm)	Polarity
* 4.56	49.97	PK-U	34.4	-30.1	0	54.17	-	-	74	-19.83	-	-	220	110	H
* 4.56008	42.83	ADR	34.4	-30.1	15	47.28	54	-6.72	-	-	-	-	220	110	H
* 4.56971	47.69	PK-U	34.4	-30.1	0	51.88	-	-	74	-22.02	-	-	110	325	V
* 4.56003	40.34	ADR	34.4	-30.1	15	44.79	54	-9.21	-	-	-	-	110	325	V
* 4.82402	44.33	PK-U	34.6	-29.9	0	49.03	-	-	74	-24.97	-	-	221	105	H
* 4.82398	34.69	ADR	34.6	-29.9	15	39.54	54	-14.46	-	-	-	-	221	105	H
* 4.82392	44.47	PK-U	34.6	-29.9	0	49.17	-	-	74	-24.83	-	-	130	119	V
* 4.82412	34.7	ADR	34.6	-29.9	15	39.55	54	-14.45	-	-	-	-	130	119	V

Frequency (GHz)	Meas. Reading (dBuV)	Det.	3117_00218957	5GHz_HF(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Admth. (dBuV)	Height (cm)	Polarity
6.83969	41.17	PK-U	36.2	-26.5	0	50.87	-	-	-	-	68.2	-17.33	234	330	H
6.83977	49.3	PK-U	36.2	-26.5	0	50.5	-	-	-	-	68.2	-17.7	165	115	V
7.98025	37.27	PK-U	36.3	-24.3	0	49.27	-	-	-	-	68.2	-18.93	123	105	H
7.97211	39.82	PK-U	36.3	-24.3	0	51.82	-	-	-	-	68.2	-16.38	190	105	V
17.10062	31.87	PK-U	42.3	-18	0	56.17	-	-	-	-	68.2	-12.03	0	100	H
17.10086	32.13	PK-U	42.3	-18	0	56.43	-	-	-	-	68.2	-11.77	0	100	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