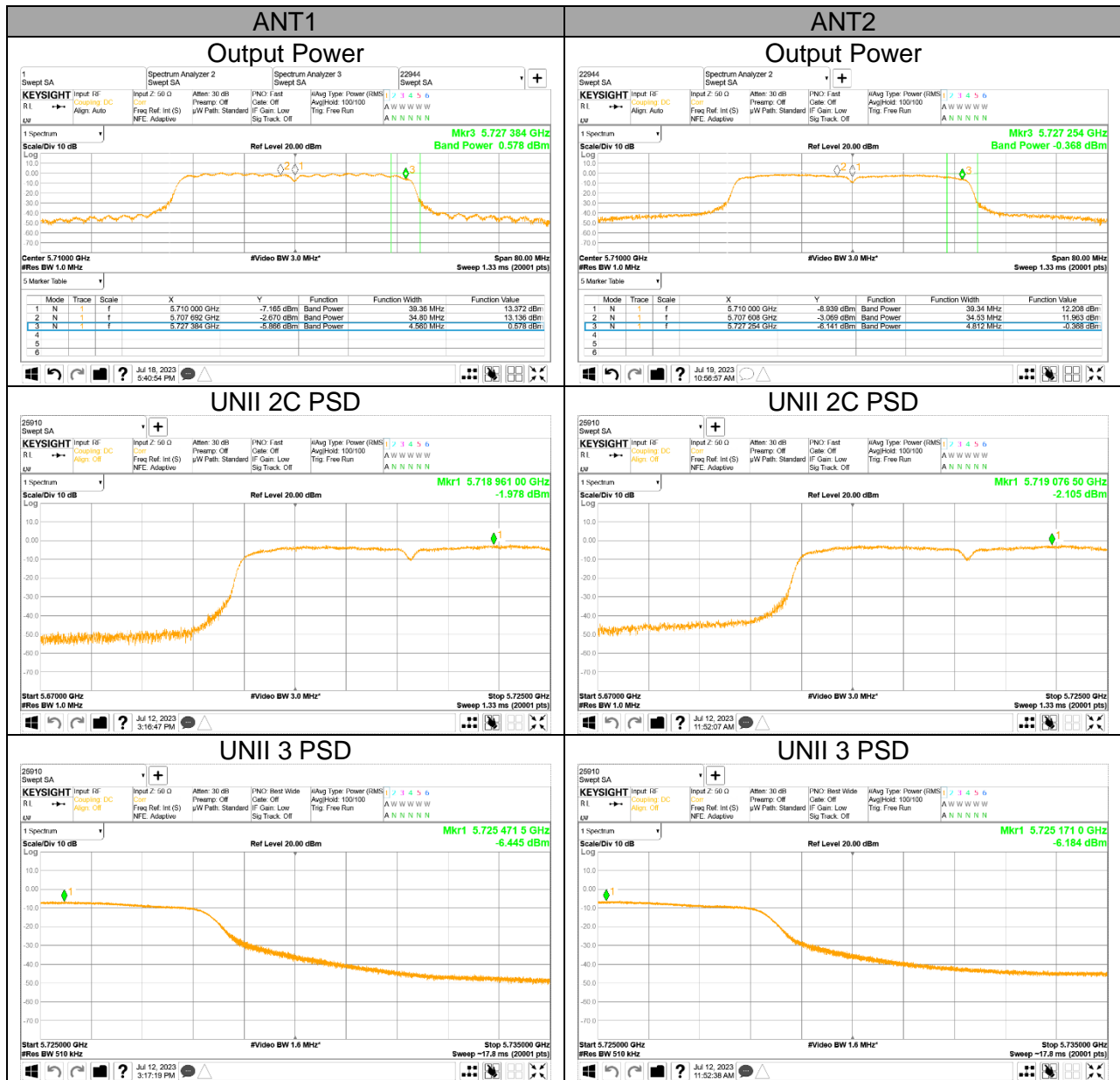
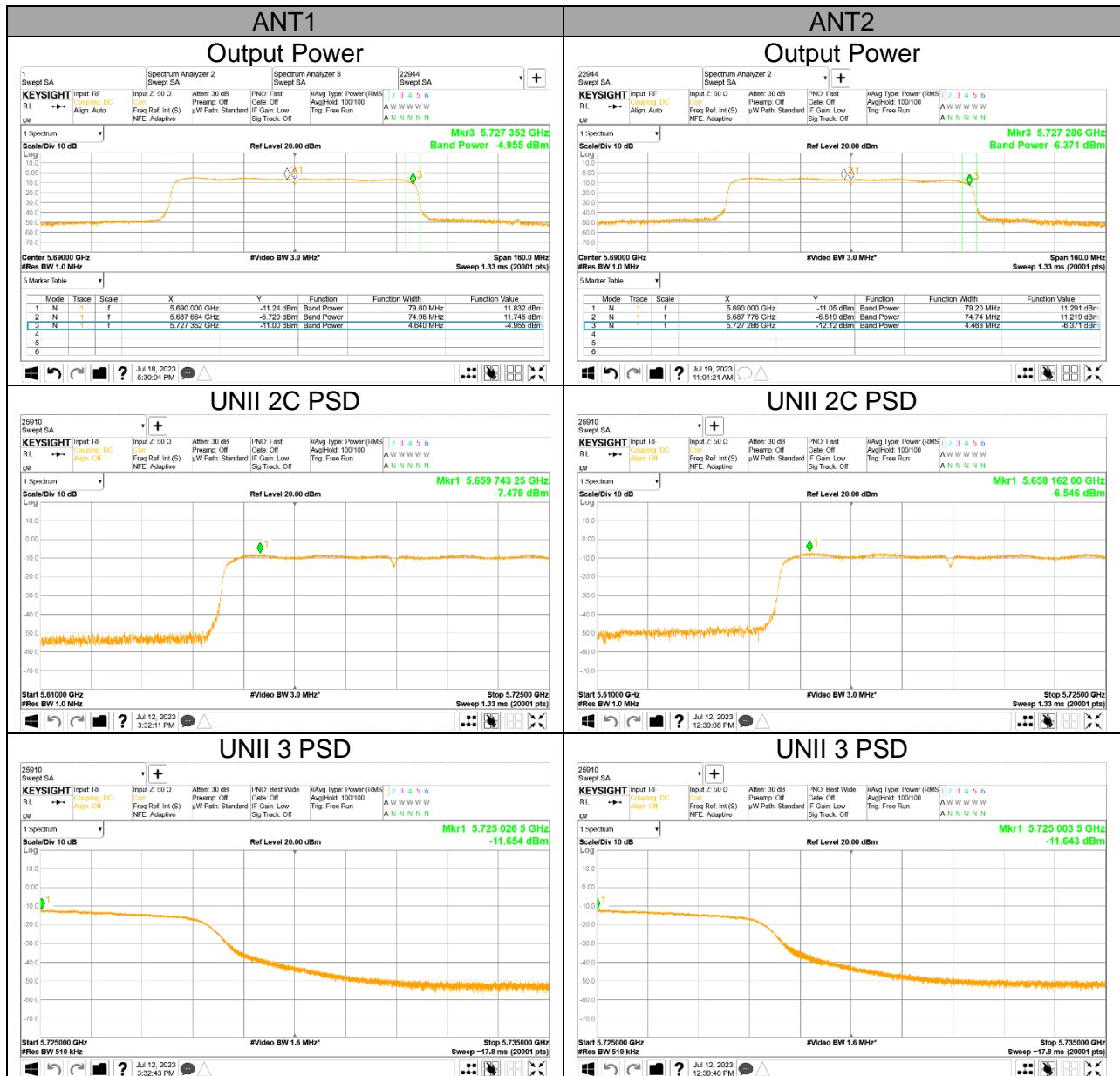


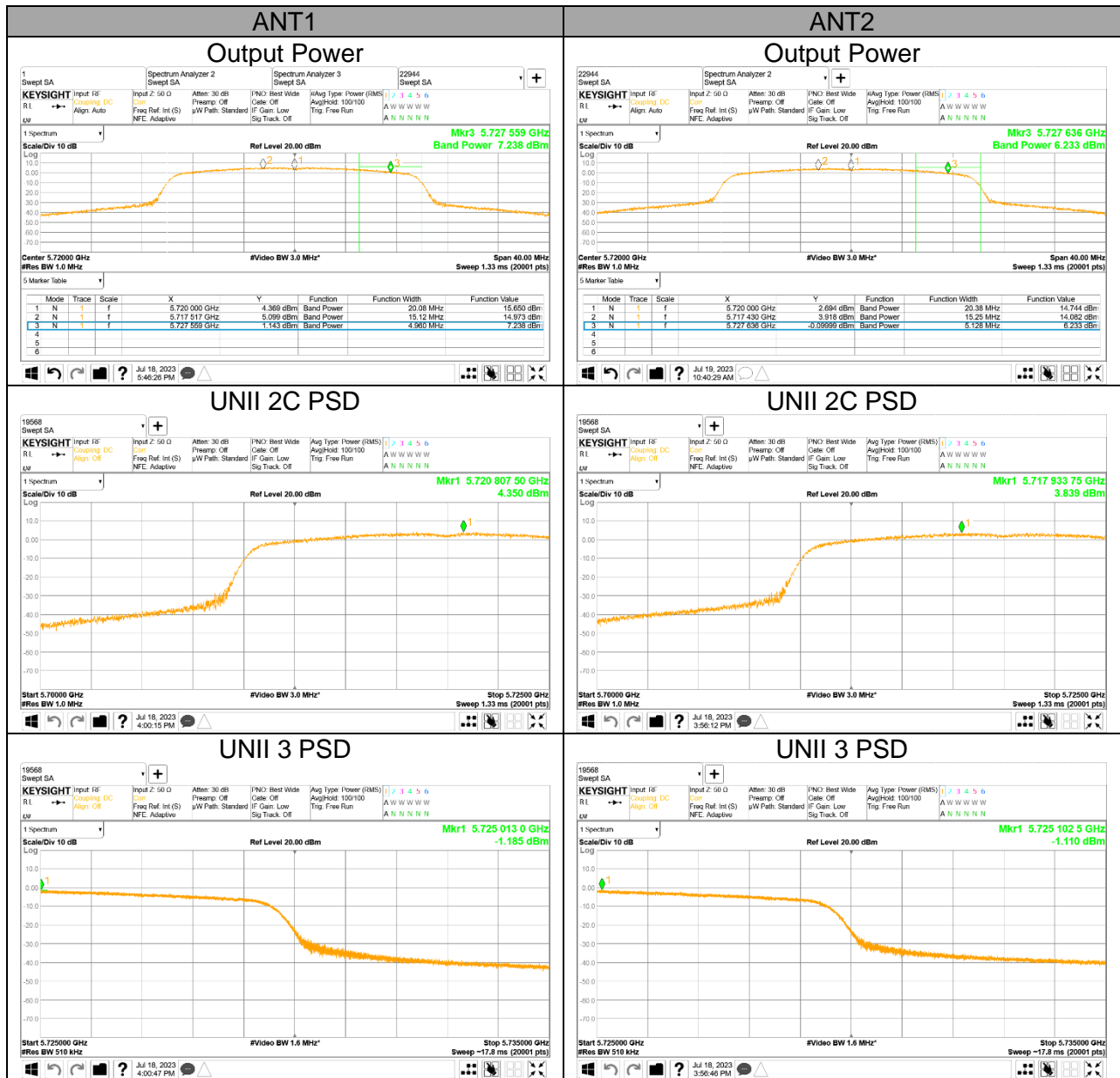
UNII Straddle Ch. IEEE 802.11n HT40 mode Output Power and PSD



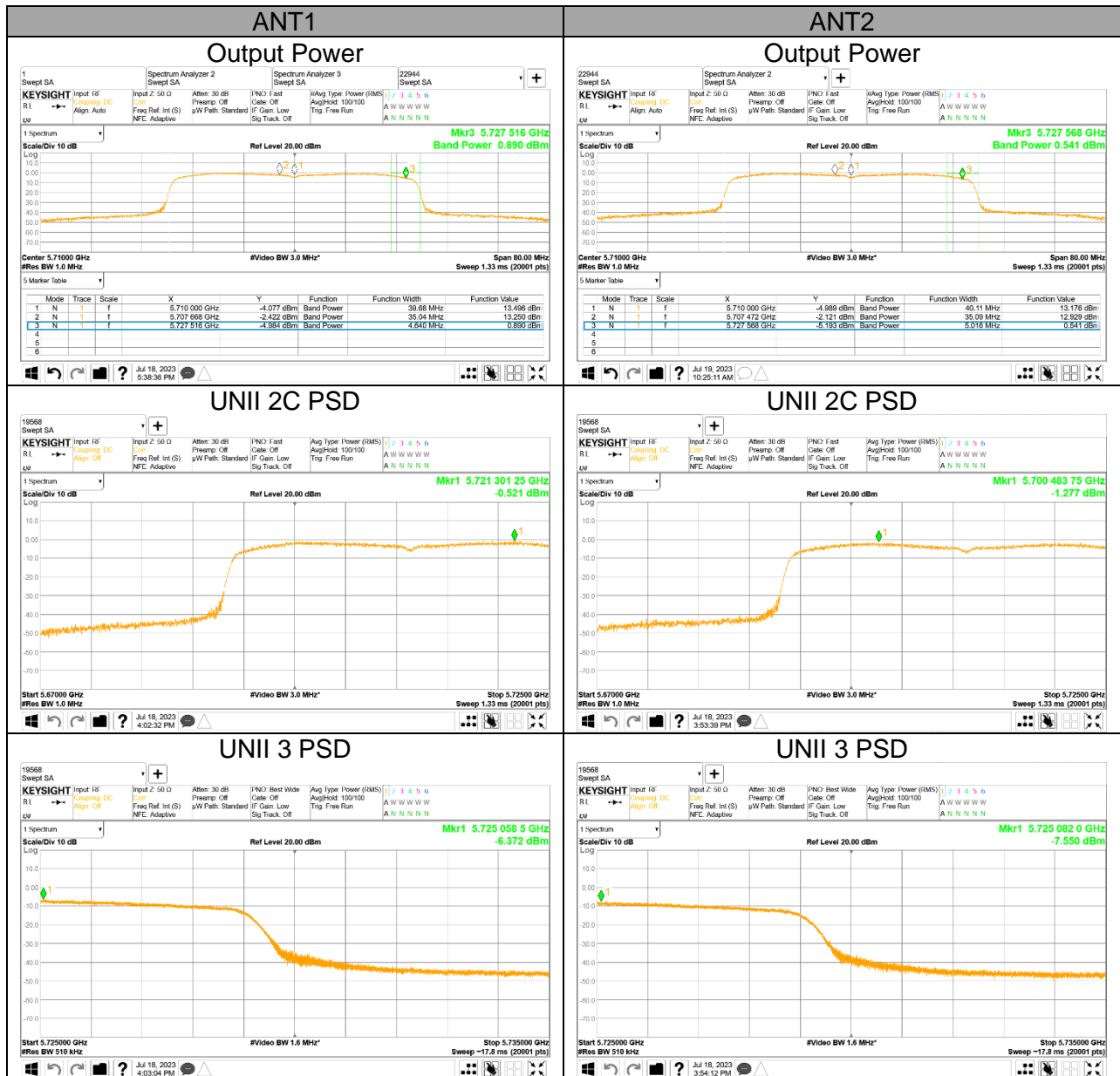
UNII Straddle Ch. IEEE 802.11ac VHT80 mode Output Power and PSD



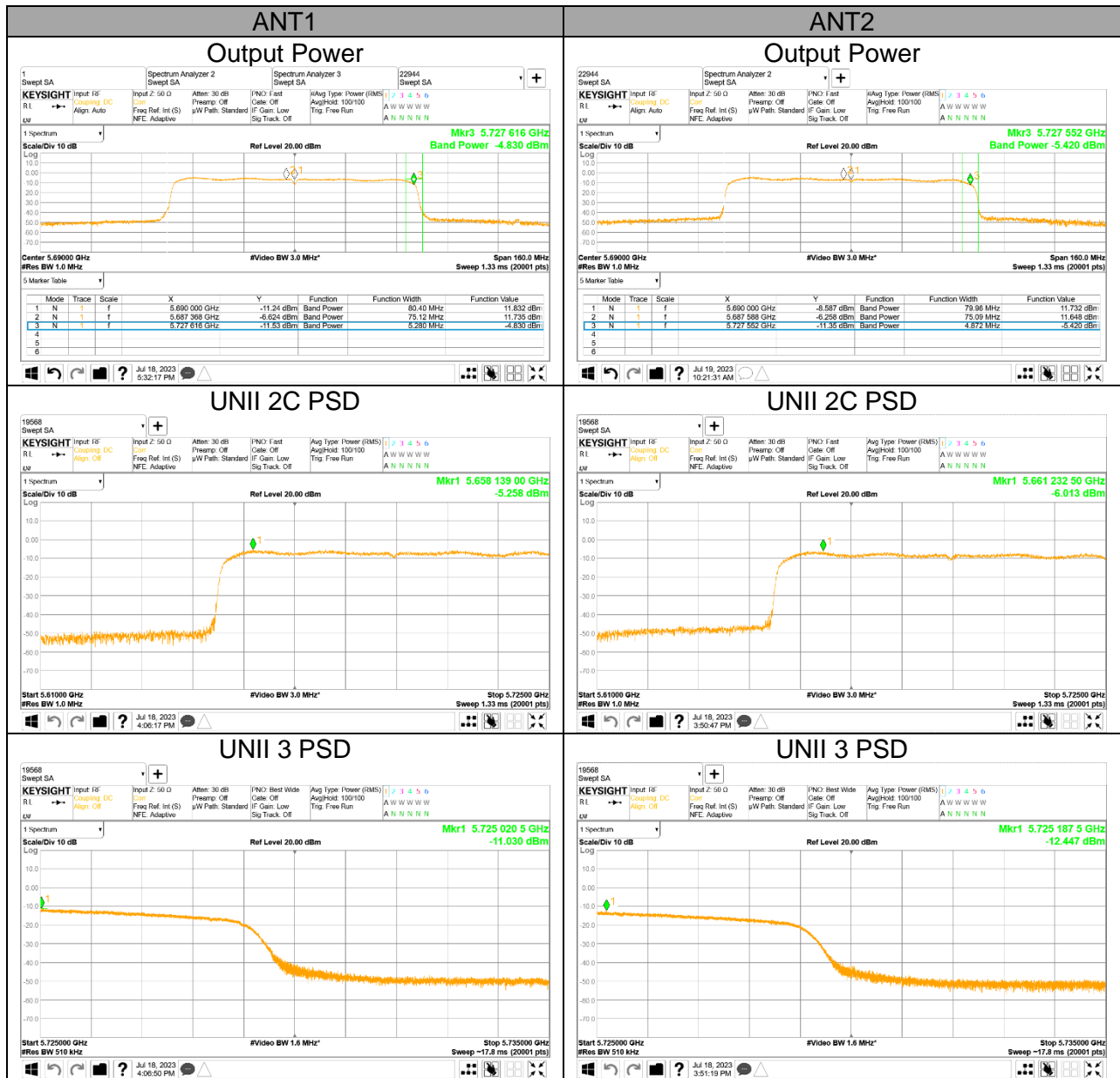
UNII Straddle Ch. IEEE 802.11ax HE20(SU) mode Output Power and PSD



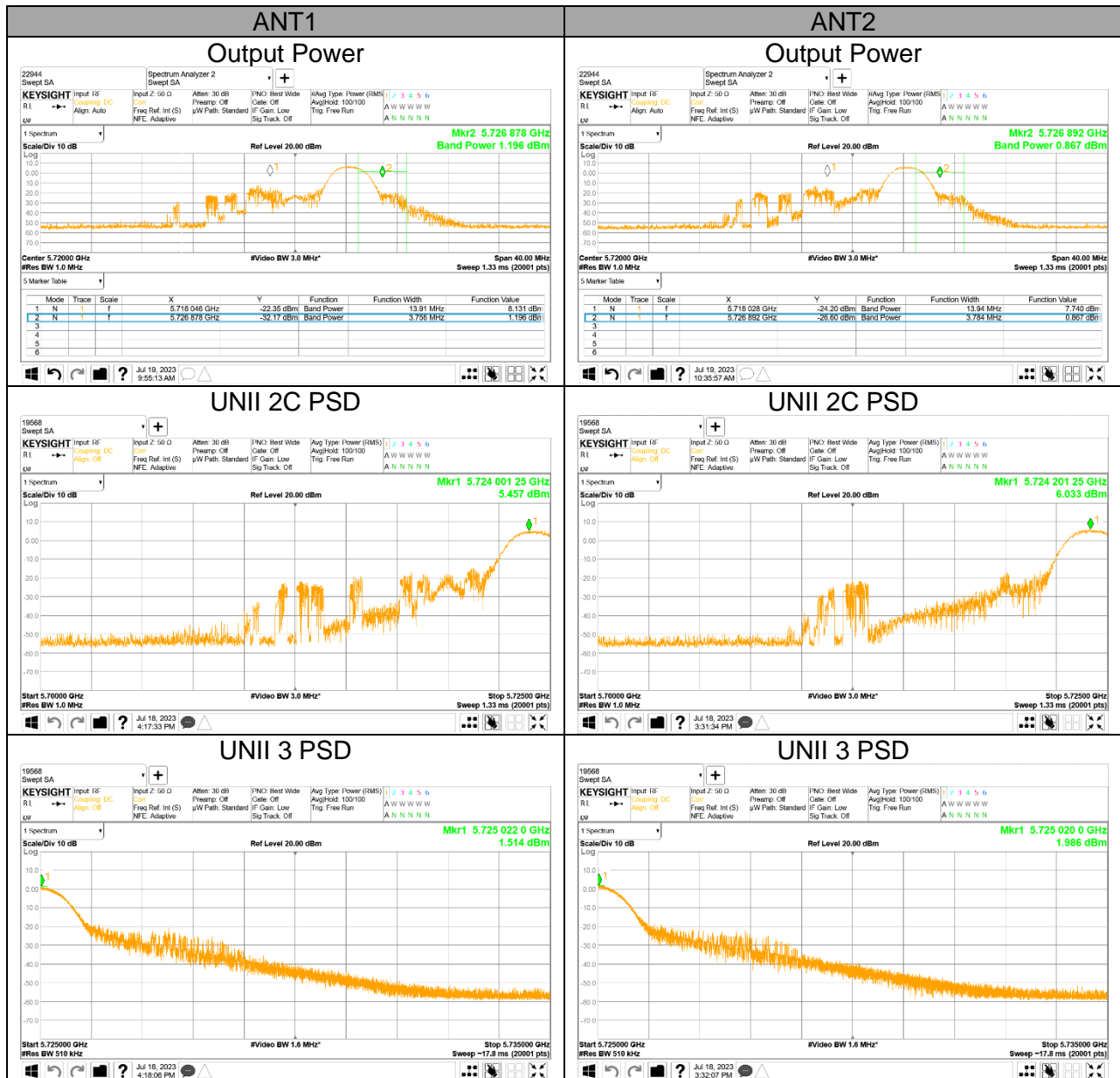
UNII Straddle Ch. IEEE 802.11ax HE40(SU) mode Output Power and PSD



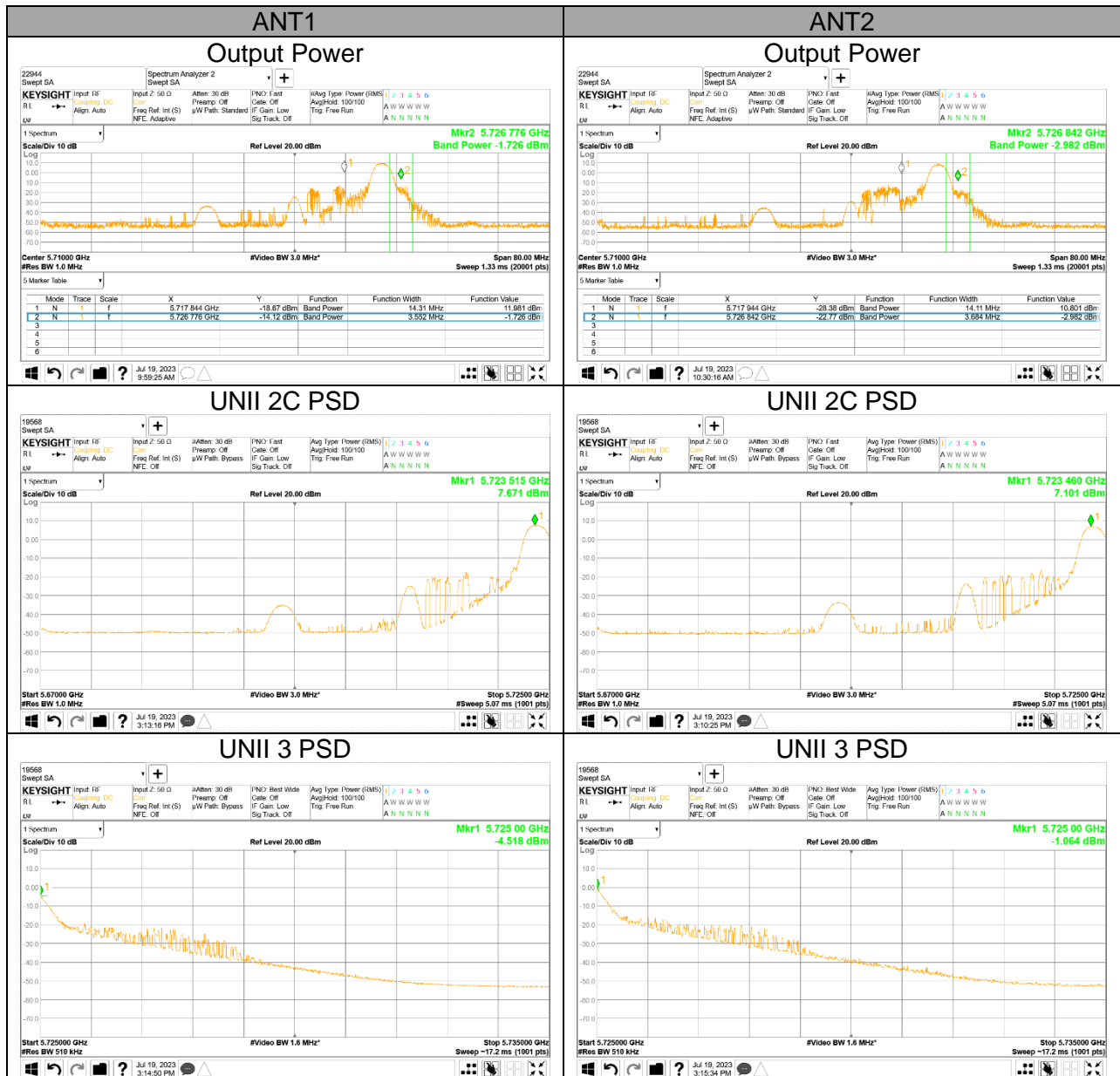
UNII Straddle Ch. IEEE 802.11ax HE80(SU) mode Output Power and PSD



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.

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.

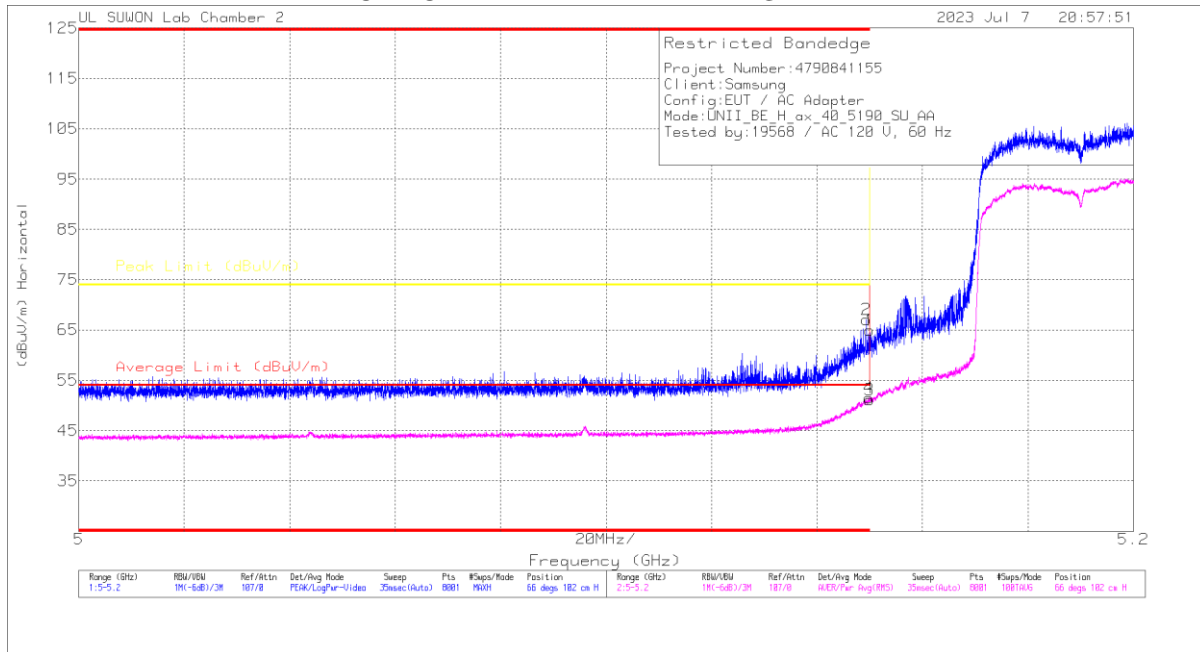
Note : Emission was pre-scanned from 9kHz to 30MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).
Per FCC part 15.31(o), test results were not reported.

Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open are 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: 802.11ax HE40 / 5190 MHz)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	Pk Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.15	47.91	Pk	34.2	-17.2	0	64.91	-	-	74	-9.09	66	102	H
2	* 5.1494	50.08	Pk	34.2	-17.2	0	67.08	-	-	74	-6.92	66	102	H
3	* 5.15	33.76	RMS	34.2	-17.2	.35	51.11	54	-2.89	-	-	66	102	H
4	* 5.14988	34.19	RMS	34.2	-17.2	.35	51.54	54	-2.46	-	-	66	102	H

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

Pk - Peak detector

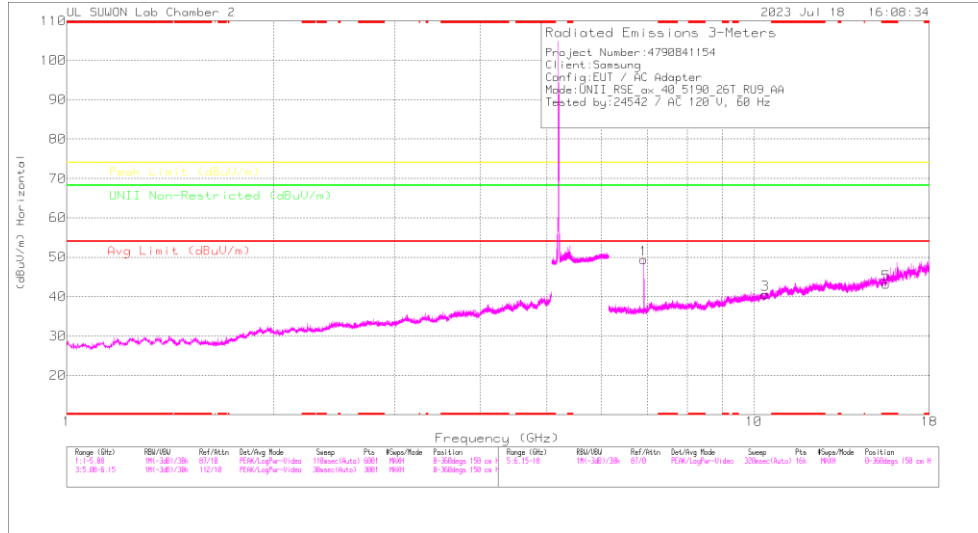
RMS - RMS detection

BANDEDGE TEST DATA

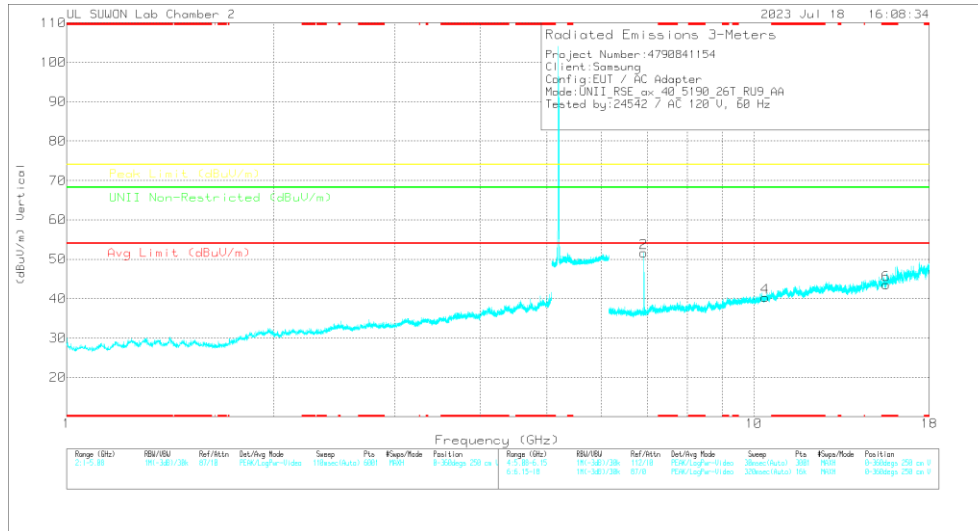
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5180	MIMO	* 5.15	41.34	Pk	34.20	-17.20	0.00	58.34	-	-	74.00	-15.66	63	118	H
			* 5.14778	47.61	Pk	34.20	-17.10	0.00	64.71	-	-	74.00	-9.29	63	118	H
			* 5.15	30.26	RMS	34.20	-17.20	0.13	47.39	54.00	-6.61	-	-	63	118	H
			* 5.14823	30.38	RMS	34.20	-17.10	0.13	47.61	54.00	-6.39	-	-	63	118	H
			* 5.15	40.44	Pk	34.20	-17.20	0.00	57.44	-	-	74.00	-16.56	78	100	V
			* 5.1486	46.25	Pk	34.20	-17.10	0.00	63.35	-	-	74.00	-10.65	78	100	V
			* 5.15	29.42	RMS	34.20	-17.20	0.13	46.55	54.00	-7.45	-	-	78	100	V
			* 5.14995	29.48	RMS	34.20	-17.20	0.13	46.61	54.00	-7.39	-	-	78	100	V
802.11n (HT20)	5180	MIMO	* 5.15	45.20	Pk	34.20	-17.20	0.00	62.20	-	-	74.00	-11.80	63	118	H
			* 5.1431	46.98	Pk	34.20	-17.20	0.00	63.98	-	-	74.00	-10.02	63	118	H
			* 5.15	29.90	RMS	34.20	-17.20	0.00	46.90	54.00	-7.10	-	-	63	118	H
			* 5.14873	30.19	RMS	34.20	-17.10	0.00	47.29	54.00	-6.71	-	-	63	118	H
			* 5.15	44.11	Pk	34.20	-17.20	0.00	61.11	-	-	74.00	-12.89	84	100	V
			* 5.14878	45.99	Pk	34.20	-17.10	0.00	63.09	-	-	74.00	-10.91	84	100	V
			* 5.15	28.86	RMS	34.20	-17.20	0.00	45.86	54.00	-8.14	-	-	84	100	V
			* 5.1499	29.78	RMS	34.20	-17.20	0.00	46.78	54.00	-7.22	-	-	84	100	V
802.11n (HT40)	5190	MIMO	* 5.15	41.77	Pk	34.20	-17.20	0.00	58.77	-	-	74.00	-15.23	62	160	H
			* 5.1498	45.35	Pk	34.20	-17.20	0.00	62.35	-	-	74.00	-11.65	62	160	H
			* 5.15	31.10	RMS	34.20	-17.20	0.10	48.20	54.00	-5.80	-	-	62	160	H
			* 5.14983	31.45	RMS	34.20	-17.20	0.10	48.55	54.00	-5.45	-	-	62	160	H
			* 5.15	42.51	Pk	34.20	-17.20	0.00	59.51	-	-	74.00	-14.49	93	116	V
			* 5.14998	46.62	Pk	34.20	-17.20	0.00	63.62	-	-	74.00	-10.38	93	116	V
			* 5.15	30.64	RMS	34.20	-17.20	0.10	47.74	54.00	-6.26	-	-	93	116	V
			* 5.1498	31.11	RMS	34.20	-17.20	0.10	48.21	54.00	-5.79	-	-	93	116	V
802.11ac (VHT80)	5210	MIMO	* 5.15	43.84	Pk	34.20	-17.20	0.00	60.84	-	-	74.00	-13.16	68	198	H
			* 5.14778	47.03	Pk	34.20	-17.10	0.00	64.13	-	-	74.00	-9.87	68	198	H
			* 5.15	31.65	RMS	34.20	-17.20	0.40	49.05	54.00	-4.95	-	-	68	198	H
			* 5.14755	32.05	RMS	34.20	-17.10	0.40	49.55	54.00	-4.45	-	-	68	198	H
			* 5.15	40.96	Pk	34.20	-17.20	0.00	57.96	-	-	74.00	-16.04	76	134	V
			* 5.1483	44.84	Pk	34.20	-17.10	0.00	61.94	-	-	74.00	-12.06	76	134	V
			* 5.15	29.86	RMS	34.20	-17.20	0.40	47.26	54.00	-6.74	-	-	76	134	V
			* 5.14935	30.75	RMS	34.20	-17.20	0.40	48.15	54.00	-5.85	-	-	76	134	V
802.11ax (HE20)	5180	MIMO	* 5.15	41.11	Pk	34.20	-17.20	0.00	58.11	-	-	74.00	-15.89	70	195	H
			* 5.1497	47.75	Pk	34.20	-17.20	0.00	64.75	-	-	74.00	-9.25	70	195	H
			* 5.15	29.31	RMS	34.20	-17.20	0.20	46.51	54.00	-7.49	-	-	70	195	H
			* 5.1496	30.16	RMS	34.20	-17.20	0.20	47.36	54.00	-6.64	-	-	70	195	H
			* 5.15	41.15	Pk	34.20	-17.20	0.00	58.15	-	-	74.00	-15.85	90	146	V
			* 5.14858	46.25	Pk	34.20	-17.10	0.00	63.35	-	-	74.00	-10.65	90	146	V
			* 5.15	27.97	RMS	34.20	-17.20	0.20	45.17	54.00	-8.83	-	-	90	146	V
			* 5.14988	29.02	RMS	34.20	-17.20	0.20	46.22	54.00	-7.78	-	-	90	146	V
802.11ax (HE40)	5190	MIMO	* 5.15	47.91	Pk	34.20	-17.20	0.00	64.91	-	-	74.00	-9.09	66	102	H
			* 5.1494	50.08	Pk	34.20	-17.20	0.00	67.08	-	-	74.00	-6.92	66	102	H
			* 5.15	33.76	RMS	34.20	-17.20	0.35	51.11	54.00	-2.89	-	-	66	102	H
			* 5.14988	34.19	RMS	34.20	-17.20	0.35	51.54	54.00	-2.46	-	-	66	102	H
			* 5.15	40.99	Pk	34.20	-17.20	0.00	57.99	-	-	74.00	-16.01	89	144	V
			* 5.14743	45.63	Pk	34.20	-17.10	0.00	62.63	-	-	74.00	-11.37	89	144	V
			* 5.15	31.85	RMS	34.20	-17.20	0.35	49.20	54.00	-4.80	-	-	89	144	V
			* 5.14968	32.43	RMS	34.20	-17.20	0.35	49.78	54.00	-4.22	-	-	89	144	V
802.11ax (HE80)	5210	MIMO	* 5.15	40.79	Pk	34.20	-17.20	0.00	57.79	-	-	74.00	-16.21	68	103	H
			* 5.14623	47.53	Pk	34.20	-17.20	0.00	64.53	-	-	74.00	-9.47	68	103	H
			* 5.15	29.38	RMS	34.20	-17.20	0.49	46.87	54.00	-7.13	-	-	68	103	H
			* 5.14713	29.99	RMS	34.20	-17.20	0.49	47.48	54.00	-6.52	-	-	68	103	H
			* 5.15	40.99	Pk	34.20	-17.20	0.00	57.99	-	-	74.00	-16.01	78	147	V
			* 5.1462	45.03	Pk	34.20	-17.20	0.00	62.03	-	-	74.00	-11.97	78	147	V
			* 5.15	28.55	RMS	34.20	-17.20	0.49	46.04	54.00	-7.96	-	-	78	147	V
			* 5.14783	28.97	RMS	34.20	-17.10	0.49	46.56	54.00	-7.44	-	-	78	147	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 9RU / 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)	Meas Reading (dBuV)	Det	317_00168724	60Hz HF(dB)	DC Corr (dB)	Corrected Reading (dBuV)	Avg Limit (dBuV/m)	Meas (dB)	Peak Limit (dBuV/m)	Meas (dB)	UNII Non-Restricted (dBuV/m)	Meas (dB)	Azimuth (Degs)	Height (cm)	Polarity
6.92002	46	PK-U	35.6	-24.3	0	67.3	-	-	-	-	68.2	-10.9	69	205	H
6.91978	43.96	PK-U	35.6	-24.3	0	55.26	-	-	-	-	68.2	-12.94	81	232	V
10.38213	33.61	PK-U	37.6	-20.5	0	50.11	-	-	-	-	68.2	-17.49	0	100	H
10.37755	33.65	PK-U	37.6	-20.5	0	50.75	-	-	-	-	68.2	-17.45	0	100	V
* 15.57804	33.73	PK-U	40	-19.1	0	54.63	-	-	74	-19.37	-	-	0	100	H
* 15.57133	33.86	PK-U	40	-19	0	54.86	-	-	74	-19.14	-	-	0	100	V

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

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	6.907	45.28	PK-U	35.50	-24.30	0.00	56.48	-	-	-	-	68.20	-11.72	70	210	H	
			6.907	43.54	PK-U	35.50	-24.30	0.00	54.74	-	-	-	-	-	68.20	-13.46	89	243	V
			10.359	33.56	PK-U	37.60	-20.40	0.00	50.76	-	-	-	-	-	68.20	-17.44	0	100	H
			10.359	33.06	PK-U	37.60	-20.40	0.00	50.26	-	-	-	-	-	68.20	-17.94	0	100	V
			* 15.54179	33.52	PK-U	39.90	-19.10	0.00	54.32	-	-	-	74.00	-19.68	-	-	0	100	H
			* 15.54178	33.47	PK-U	39.90	-19.10	0.00	54.27	-	-	-	74.00	-19.73	-	-	0	100	V
	5200	MIMO	6.934	37.87	PK	35.60	-24.30	0.00	49.17	-	-	-	-	68.20	-19.03	0-360	150	H	
			10.400	23.08	PK	37.60	-20.50	0.00	40.18	-	-	-	-	68.20	-28.02	0-360	150	H	
			* 15.60053	23.67	PK	40.00	-19.60	0.00	44.07	-	-	-	74.00	-29.93	-	-	0-360	150	H
			6.933	37.98	PK	35.60	-24.30	0.00	49.28	-	-	-	-	-	68.20	-18.92	0-360	250	V
			10.400	22.75	PK	37.60	-20.50	0.00	39.85	-	-	-	-	-	68.20	-28.35	0-360	250	V
			* 15.60053	23.36	PK	40.00	-19.60	0.00	43.76	-	-	-	74.00	-30.24	-	-	0-360	250	V
	5240	MIMO	6.987	42.90	PK-U	35.60	-24.70	0.00	53.80	-	-	-	-	68.20	-14.40	71	204	H	
			6.987	41.31	PK-U	35.60	-24.70	0.00	52.21	-	-	-	-	68.20	-15.99	86	238	V	
			10.480	33.62	PK-U	37.70	-20.10	0.00	51.22	-	-	-	-	-	68.20	-16.98	0	100	H
			10.482	33.19	PK-U	37.70	-20.10	0.00	50.79	-	-	-	-	-	68.20	-17.41	0	100	V
			* 15.72106	34.83	PK-U	40.10	-18.80	0.00	56.13	-	-	-	74.00	-17.87	-	-	0	100	H
			* 15.72112	34.57	PK-U	40.10	-18.80	0.00	55.87	-	-	-	74.00	-18.13	-	-	0	100	V
802.11n HT20	5180	MIMO	6.907	45.80	PK-U	35.50	-24.30	0.00	57.00	-	-	-	-	68.20	-11.20	71	209	H	
			6.907	43.82	PK-U	35.50	-24.30	0.00	55.02	-	-	-	-	68.20	-13.18	90	246	V	
			10.360	33.61	PK-U	37.60	-20.40	0.00	50.81	-	-	-	-	-	68.20	-17.39	0	100	H
			10.359	33.36	PK-U	37.60	-20.40	0.00	50.56	-	-	-	-	-	68.20	-17.64	0	100	V
			* 15.53849	33.65	PK-U	39.90	-19.10	0.00	54.45	-	-	-	74.00	-19.55	-	-	0	100	H
			* 15.54143	33.93	PK-U	39.90	-19.10	0.00	54.73	-	-	-	74.00	-19.27	-	-	0	100	V
802.11n HT40	5190	MIMO	6.920	44.94	PK-U	35.60	-24.30	0.00	56.24	-	-	-	-	68.20	-11.96	69	208	H	
			6.920	43.12	PK-U	35.60	-24.30	0.00	54.42	-	-	-	-	68.20	-13.78	82	167	V	
			10.380	33.71	PK-U	37.60	-20.50	0.00	50.81	-	-	-	-	-	68.20	-17.39	0	100	H
			10.379	33.62	PK-U	37.60	-20.50	0.00	50.72	-	-	-	-	-	68.20	-17.48	0	100	V
			* 15.56896	34.09	PK-U	40.00	-19.00	0.00	55.09	-	-	-	74.00	-18.91	-	-	0	100	H
			* 15.57294	33.88	PK-U	40.00	-19.10	0.00	54.78	-	-	-	74.00	-19.22	-	-	0	100	V
802.11ac VHT80	5210	MIMO	6.947	45.54	PK-U	35.60	-24.30	0.00	56.84	-	-	-	-	68.20	-11.36	73	195	H	
			6.947	41.86	PK-U	35.60	-24.30	0.00	53.16	-	-	-	-	68.20	-15.04	282	385	V	
			10.418	34.13	PK-U	37.60	-20.40	0.00	51.33	-	-	-	-	-	68.20	-16.87	0	100	H
			10.414	32.84	PK-U	37.60	-20.40	0.00	50.04	-	-	-	-	-	68.20	-18.16	0	100	V
			* 15.63501	34.35	PK-U	40.00	-19.50	0.00	54.85	-	-	-	74.00	-19.15	-	-	0	100	H
			* 15.63013	34.44	PK-U	40.00	-19.50	0.00	54.94	-	-	-	74.00	-19.06	-	-	0	100	V
802.11ax (HE20) 4RU Spot-Check	5180	MIMO	6.907	45.65	PK-U	35.50	-24.30	0.00	56.85	-	-	-	-	68.20	-11.35	71	207	H	
			6.907	43.75	PK-U	35.50	-24.30	0.00	54.95	-	-	-	-	68.20	-13.25	86	241	V	
			10.359	33.15	PK-U	37.60	-20.40	0.00	50.35	-	-	-	-	-	68.20	-17.85	0	100	H
			10.357	32.77	PK-U	37.60	-20.40	0.00	49.97	-	-	-	-	-	68.20	-18.23	0	100	V
			* 15.54141	33.55	PK-U	39.90	-19.10	0.00	54.35	-	-	-	74.00	-19.65	-	-	0	100	H
			* 15.54404	33.84	PK-U	39.90	-19.10	0.00	54.64	-	-	-	74.00	-19.36	-	-	0	100	V
	5200	MIMO	6.933	44.93	PK-U	35.60	-24.30	0.00	56.23	-	-	-	-	68.20	-11.97	71	206	H	
			6.933	42.81	PK-U	35.60	-24.30	0.00	54.11	-	-	-	-	68.20	-14.09	88	238	V	
			10.400	33.83	PK-U	37.60	-20.50	0.00	50.93	-	-	-	-	-	68.20	-17.27	0	100	H
			10.399	32.84	PK-U	37.60	-20.50	0.00	49.94	-	-	-	-	-	68.20	-18.26	0	100	V
			* 15.59903	34.47	PK-U	40.00	-19.50	0.00	54.97	-	-	-	74.00	-19.03	-	-	0	100	H
			* 15.60212	34.34	PK-U	40.00	-19.60	0.00	54.74	-	-	-	74.00	-19.26	-	-	0	100	V
	5240	MIMO	6.987	43.00	PK-U	35.60	-24.70	0.00	53.90	-	-	-	-	68.20	-14.30	70	202	H	
			6.987	41.66	PK-U	35.60	-24.70	0.00	52.56	-	-	-	-	68.20	-15.64	86	248	V	
			10.483	33.89	PK-U	37.70	-20.10	0.00	51.49	-	-	-	-	-	68.20	-15.71	0	100	V
			10.483	33.23	PK-U	37.70	-20.10	0.00	50.83	-	-	-	-	-	68.20	-17.37	0	100	V
			* 15.7181	33.79	PK-U	40.10	-18.80	0.00	55.09	-	-	-	74.00	-18.91	-	-	0	100	H
			* 15.72152	34.44	PK-U	40.10	-18.80	0.00	55.74	-	-	-	74.00	-18.26	-	-	0	100	V
802.11ax (HE40) 9RU Spot-Check	5190	MIMO	6.920	46.00	PK-U	35.60	-24.30	0.00	57.30	-	-	-	-	68.20	-10.90	69	205	H	
			6.920	43.96	PK-U	35.60	-24.30	0.00	55.26	-	-	-	-	68.20	-12.94	81	232	V	
			10.382	33.61	PK-U	37.60	-20.50	0.00	50.71	-	-	-	-	-	68.20	-17.49	0	100	H
			10.378	33.65	PK-U	37.60	-20.50	0.00	50.75	-	-	-	-	-	68.20	-17.45	0	100	V
			* 15.57804	33.73	PK-U	40.00	-19.10	0.00	54.63	-	-	-	74.00	-19.37	-	-	0	100	H
			* 15.57133	33.86	PK-U	40.00	-19.00	0.00	54.86	-	-	-	74.00	-19.14	-	-	0	100	V
802.11ax (HE80) 18RU Spot-Check	5210	MIMO	6.947	44.98	PK-U	35.60	-24.30	0.00	56.28	-	-	-	-	68.20	-11.92	68	198	H	
			6.947	43.17	PK-U	35.60	-24.30	0.00	54.47	-	-	-	-	68.20	-13.73	89	231	V	
			10.420	34.06	PK-U	37.60	-20.40	0.00	51.26	-	-	-	-	-	68.20	-16.94	0	100	H
			10.420	34.42	PK-U	37.60	-20.40	0.00	51.62	-	-	-	-	-	68.20	-16.58	0	100	V
			* 15.62967	35.99	PK-U	40.00	-19.50	0.00	56.49	-	-	-	74.00	-17.51	-	-	0	100	H
			* 15.6264	35.69	PK-U	40.00	-19.60	0.00	56.09	-	-	-	74.00	-17.91	-	-	0	100	V

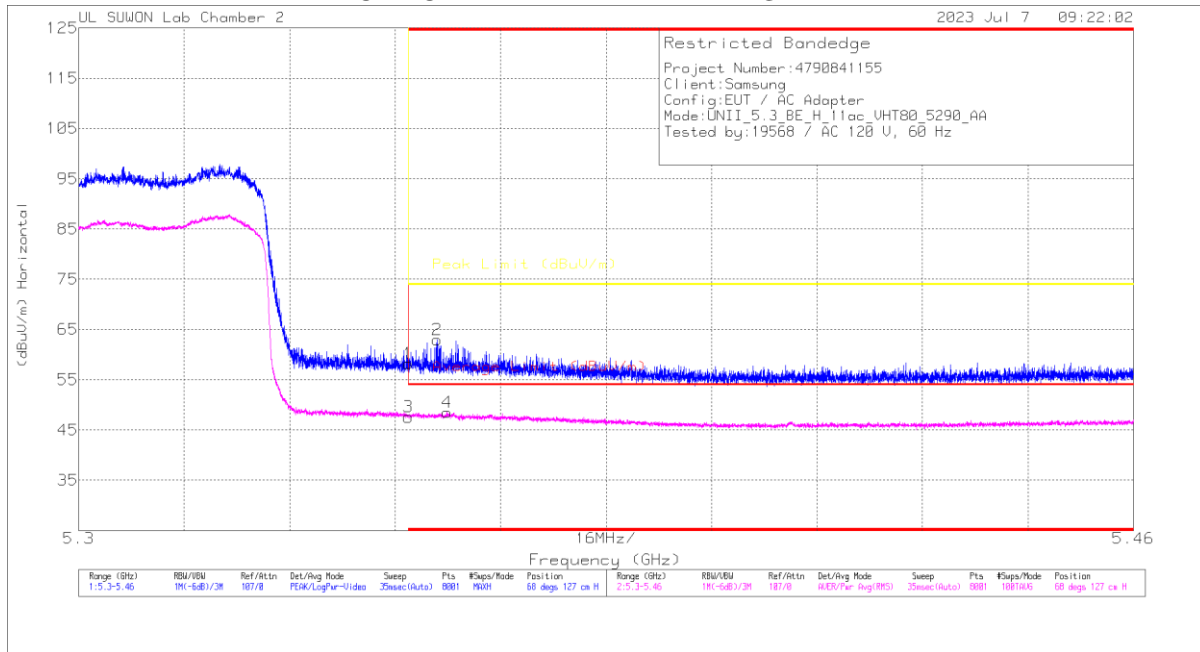
Note1. PK-U - U-NII: Maximum Peak

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

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

BANDEDGE (WORST CASE: 802.11ac VHT80 / 5290 MHz)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(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	* 5.35002	41.06	Pk	34.4	-17.2	0	58.26	-	-	74	-15.74	68	127	H
2	* 5.35434	45.79	Pk	34.4	-17.2	0	62.99	-	-	74	-11.01	68	127	H
3	* 5.35002	29.98	RMS	34.4	-17.2	.4	47.58	54	-6.42	-	-	68	127	H
4	* 5.3559	30.9	RMS	34.4	-17.2	.4	48.5	54	-5.5	-	-	68	127	H

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

Pk - Peak detector

RMS - RMS detection

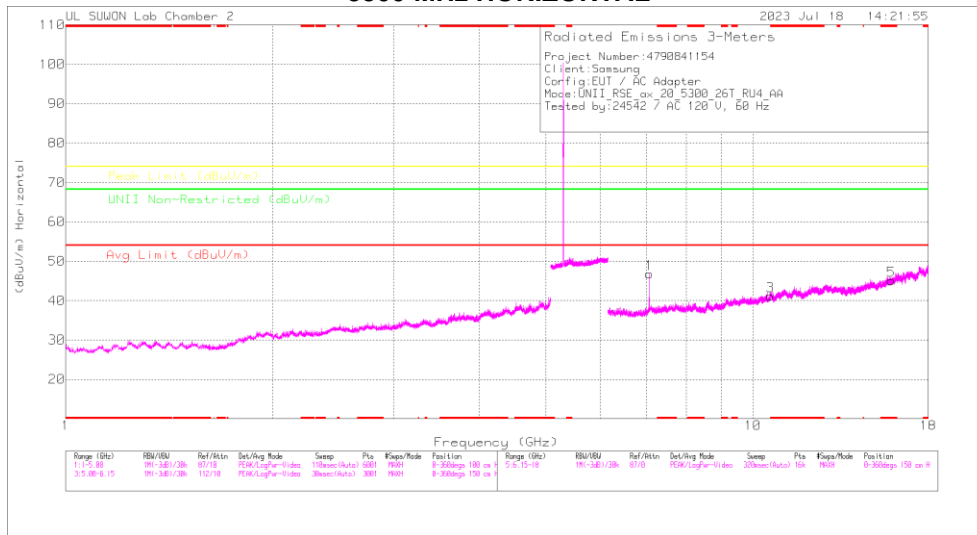
BANDEDGE TEST DATA

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	* 5.35002	38.96	Pk	34.40	-17.20	0.00	56.16	-	-	74.00	-17.84	64	138	H	
			* 5.35206	44.81	Pk	34.40	-17.20	0.00	62.01	-	-	74.00	-11.99	64	138	H	
			* 5.35002	28.83	RMS	34.40	-17.20	0.13	46.16	54.00	-7.84	-	-	64	138	H	
			* 5.42172	30.44	RMS	34.40	-17.30	0.13	47.67	54.00	-6.33	-	-	64	138	H	
			* 5.35002	40.30	Pk	34.40	-17.20	0.00	57.50	-	-	-	74.00	-16.50	83	100	V
			* 5.35568	43.16	Pk	34.40	-17.20	0.00	60.36	-	-	-	74.00	-13.64	83	100	V
			* 5.35002	28.36	RMS	34.40	-17.20	0.13	45.69	54.00	-8.31	-	-	-	83	100	V
			* 5.42626	29.54	RMS	34.40	-17.30	0.13	46.77	54.00	-7.23	-	-	-	83	100	V
802.11n (HT20)	5320	MIMO	* 5.35002	38.62	Pk	34.40	-17.20	0.00	55.82	-	-	74.00	-18.18	64	118	H	
			* 5.41482	42.53	Pk	34.40	-17.30	0.00	59.63	-	-	74.00	-14.37	64	118	H	
			* 5.35002	28.41	RMS	34.40	-17.20	0.00	45.61	54.00	-8.39	-	-	64	118	H	
			* 5.4248	30.16	RMS	34.40	-17.30	0.00	47.26	54.00	-6.74	-	-	64	118	H	
			* 5.35002	37.55	Pk	34.40	-17.20	0.00	54.75	-	-	-	74.00	-19.25	83	100	V
			* 5.3531	41.91	Pk	34.40	-17.20	0.00	59.11	-	-	-	74.00	-14.89	83	100	V
			* 5.35002	28.19	RMS	34.40	-17.20	0.00	45.39	54.00	-8.61	-	-	-	83	100	V
			* 5.4273	29.38	RMS	34.40	-17.30	0.00	46.48	54.00	-7.52	-	-	-	83	100	V
802.11n (HT40)	5310	MIMO	* 5.35002	41.07	Pk	34.40	-17.20	0.00	58.27	-	-	74.00	-15.73	66	100	H	
			* 5.35032	44.01	Pk	34.40	-17.20	0.00	61.21	-	-	74.00	-12.79	66	100	H	
			* 5.35002	30.11	RMS	34.40	-17.20	0.10	47.41	54.00	-6.59	-	-	66	100	H	
			* 5.35054	31.16	RMS	34.40	-17.20	0.10	48.46	54.00	-5.54	-	-	66	100	H	
			* 5.35002	39.74	Pk	34.40	-17.20	0.00	56.94	-	-	-	74.00	-17.06	90	135	V
			* 5.35292	43.39	Pk	34.40	-17.20	0.00	60.59	-	-	-	74.00	-13.41	90	135	V
			* 5.35002	29.95	RMS	34.40	-17.20	0.10	47.25	54.00	-6.75	-	-	-	90	135	V
			* 5.35008	30.62	RMS	34.40	-17.20	0.10	47.92	54.00	-6.08	-	-	-	90	135	V
			* 5.35002	41.06	Pk	34.40	-17.20	0.00	58.26	-	-	-	74.00	-15.74	68	127	H
			* 5.35434	45.79	Pk	34.40	-17.20	0.00	62.99	-	-	-	74.00	-11.01	68	127	H
802.11ac (VHT80)	5290	MIMO	* 5.35002	29.98	RMS	34.40	-17.20	0.40	47.58	54.00	-6.42	-	-	68	127	H	
			* 5.3559	30.90	RMS	34.40	-17.20	0.40	48.50	54.00	-5.50	-	-	68	127	H	
			* 5.35002	38.85	Pk	34.40	-17.20	0.00	56.05	-	-	-	74.00	-17.95	82	107	V
			* 5.35786	43.77	Pk	34.40	-17.20	0.00	60.97	-	-	-	74.00	-13.03	82	107	V
			* 5.35002	28.86	RMS	34.40	-17.20	0.40	46.46	54.00	-7.54	-	-	-	82	107	V
			* 5.35098	29.78	RMS	34.40	-17.20	0.40	47.38	54.00	-6.62	-	-	-	82	107	V
			* 5.35002	39.17	Pk	34.40	-17.20	0.00	56.37	-	-	-	74.00	-17.63	68	127	H
			* 5.35088	43.29	Pk	34.40	-17.20	0.00	60.49	-	-	-	74.00	-13.51	68	127	H
802.11ax (HE20)	5320	MIMO	* 5.35002	28.89	RMS	34.40	-17.20	0.20	46.29	54.00	-7.71	-	-	68	127	H	
			* 5.4077	29.88	RMS	34.40	-17.30	0.20	47.18	54.00	-6.82	-	-	68	127	H	
			* 5.35002	38.41	Pk	34.40	-17.20	0.00	55.61	-	-	-	74.00	-18.39	85	162	V
			* 5.3505	41.73	Pk	34.40	-17.20	0.00	58.93	-	-	-	74.00	-15.07	85	162	V
			* 5.35002	27.57	RMS	34.40	-17.20	0.20	44.97	54.00	-9.03	-	-	-	85	162	V
			* 5.40792	28.73	RMS	34.40	-17.30	0.20	46.03	54.00	-7.97	-	-	-	85	162	V
			* 5.35002	40.36	Pk	34.40	-17.20	0.00	57.56	-	-	-	74.00	-16.44	67	125	H
			* 5.35218	43.78	Pk	34.40	-17.20	0.00	60.98	-	-	-	74.00	-13.02	67	125	H
802.11ax (HE40)	5310	MIMO	* 5.35002	30.17	RMS	34.40	-17.20	0.35	47.72	54.00	-6.28	-	-	67	125	H	
			* 5.35004	30.66	RMS	34.40	-17.20	0.35	48.21	54.00	-5.79	-	-	67	125	H	
			* 5.35002	39.34	Pk	34.40	-17.20	0.00	56.54	-	-	-	74.00	-17.46	88	234	V
			* 5.37144	41.59	Pk	34.40	-17.20	0.00	58.79	-	-	-	74.00	-15.21	88	234	V
			* 5.35002	29.59	RMS	34.40	-17.20	0.35	47.14	54.00	-6.86	-	-	-	88	234	V
			* 5.35156	30.03	RMS	34.40	-17.20	0.35	47.58	54.00	-6.42	-	-	-	88	234	V
			* 5.35002	39.56	Pk	34.40	-17.20	0.00	56.76	-	-	-	74.00	-17.24	65	125	H
			* 5.3552	41.64	Pk	34.40	-17.20	0.00	58.84	-	-	-	74.00	-15.16	65	125	H
802.11ax (HE80)	5290	MIMO	* 5.35002	28.59	RMS	34.40	-17.20	0.49	46.28	54.00	-7.72	-	-	65	125	H	
			* 5.35582	29.65	RMS	34.40	-17.20	0.49	47.34	54.00	-6.66	-	-	65	125	H	
			* 5.35002	39.10	Pk	34.40	-17.20	0.00	56.30	-	-	-	74.00	-17.70	89	100	V
			* 5.36328	41.22	Pk	34.40	-17.20	0.00	58.42	-	-	-	74.00	-15.58	89	100	V
			* 5.35002	28.48	RMS	34.40	-17.20	0.49	46.17	54.00	-7.83	-	-	-	89	100	V
			* 5.3505	29.29	RMS	34.40	-17.20	0.49	46.98	54.00	-7.02	-	-	-	89	100	V

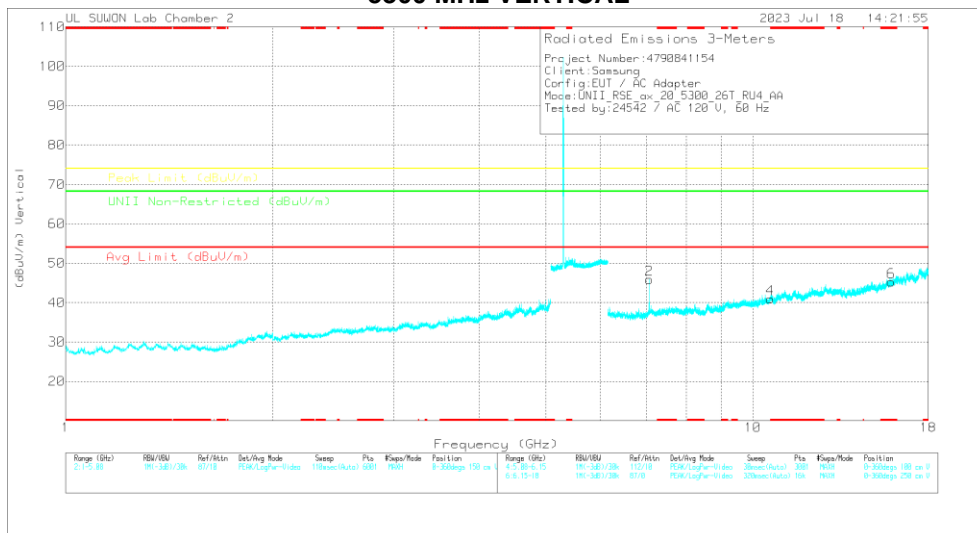
Note1. Pk - Peak detector, RMS - RMS detector
 Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11ax HE20 4RU / 5300 MHz)

5300 MHz HORIZONTAL



5300 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.

5300 MHz DATA

Radiated Emissions

Frequency (GHz)	Meas. Reading (dBuV)	Det.	317.00168724	6GHz_HPI(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)	Azimuth (Degs)	Height (cm)	Polarity
7.06663	40.77	PK-U	35.6	-23	0	53.37	-	-	-	-	68.2	-14.83	70	193	H
7.0663	38.91	PK-U	35.6	-23	0	51.51	-	-	-	-	68.2	-16.69	276	100	V
10.59864	33.13	PK-U	37.8	-18	0	51.93	-	-	-	-	68.2	-16.27	0	100	H
10.59752	33.24	PK-U	37.8	-18.9	0	52.14	-	-	-	-	68.2	-16.06	0	100	V
* 15.90294	34.07	PK-U	40.3	-18.5	0	55.87	-	-	74	-18.13	-	-	0	100	H
* 15.90016	34.39	PK-U	40.3	-18.5	0	56.19	-	-	74	-17.81	-	-	0	100	V

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

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

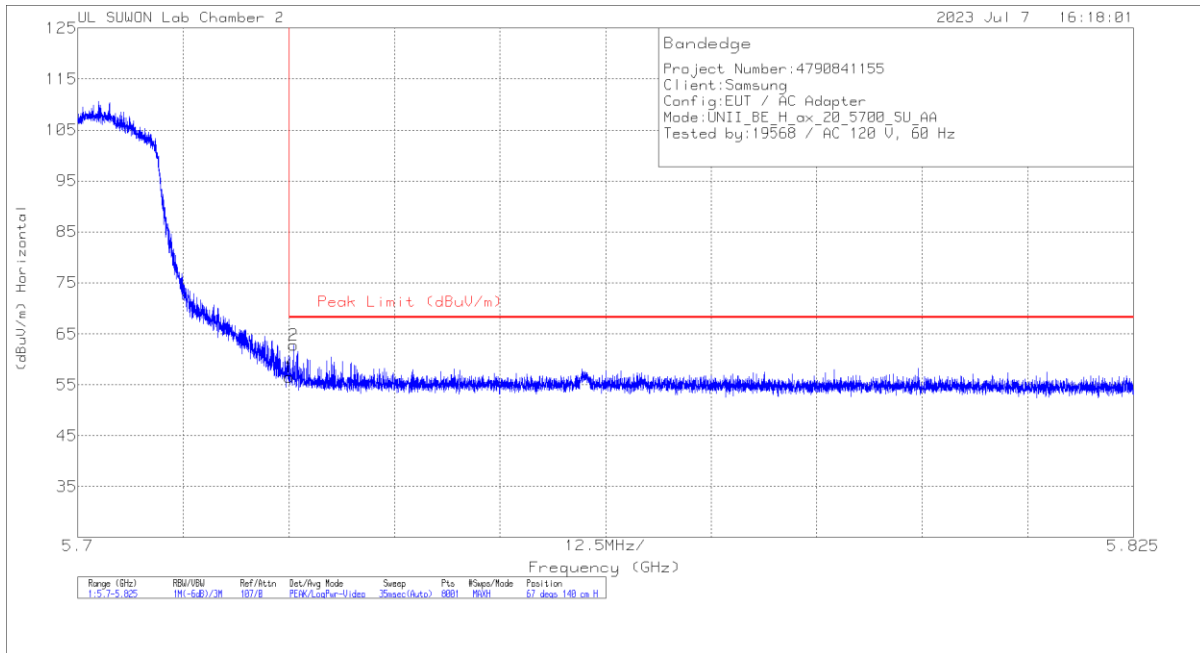
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5260	MIMO	7.013	41.80	PK-U	35.60	-24.60	0.00	52.80	-	-	-	-	68.20	-15.40	68	202	H	
			7.013	40.56	PK-U	35.60	-24.60	0.00	51.56	-	-	-	-	68.20	-16.64	87	238	V	
			10.521	33.26	PK-U	37.70	-20.20	0.00	50.76	-	-	-	-	68.20	-17.44	0	100	H	
			10.521	33.01	PK-U	37.70	-20.20	0.00	50.51	-	-	-	-	68.20	-17.69	0	100	V	
			* 15.78093	34.33	PK-U	40.20	-19.00	0.00	55.53	-	-	-	74.00	-18.47	-	-	0	100	H
			* 15.77889	34.76	PK-U	40.20	-19.00	0.00	55.96	-	-	-	74.00	-18.04	-	-	0	100	V
	5300	MIMO	7.067	40.04	PK-U	35.60	-23.00	0.00	52.64	-	-	-	-	68.20	-15.56	71	201	H	
			7.067	38.54	PK-U	35.60	-23.00	0.00	51.14	-	-	-	-	68.20	-17.06	84	177	V	
			10.599	32.67	PK-U	37.80	-18.90	0.00	51.57	-	-	-	-	68.20	-16.63	0	100	H	
			10.599	33.03	PK-U	37.80	-18.90	0.00	51.93	-	-	-	-	68.20	-16.27	0	100	V	
			* 15.90167	34.46	PK-U	40.30	-18.50	0.00	56.26	-	-	-	74.00	-17.74	-	-	0	100	H
			* 15.89878	33.75	PK-U	40.30	-18.50	0.00	55.55	-	-	-	74.00	-18.45	-	-	360	150	V
	5320	MIMO	7.093	39.58	PK-U	35.60	-22.40	0.00	52.78	-	-	-	-	68.20	-15.42	75	122	H	
			7.093	38.38	PK-U	35.60	-22.40	0.00	51.58	-	-	-	-	68.20	-16.62	189	275	V	
			* 10.63439	32.94	PK-U	37.80	-18.70	0.00	52.04	-	-	-	74.00	-21.96	-	-	0	100	H
			* 10.63033	32.71	PK-U	37.80	-18.70	0.00	51.81	-	-	-	74.00	-22.19	-	-	0	100	V
			* 15.96142	34.79	PK-U	40.40	-19.00	0.00	56.19	-	-	-	74.00	-17.81	-	-	0	100	H
			* 15.95168	34.94	PK-U	40.40	-18.70	0.00	56.64	-	-	-	74.00	-17.36	-	-	0	100	V
802.11ax (HE20) 4RU Spot-Check	5300	MIMO	7.067	40.77	PK-U	35.60	-23.00	0.00	53.37	-	-	-	-	68.20	-14.83	70	193	H	
			7.066	38.91	PK-U	35.60	-23.00	0.00	51.51	-	-	-	-	68.20	-16.69	276	100	V	
			10.591	33.13	PK-U	37.80	-19.00	0.00	51.93	-	-	-	-	68.20	-16.27	0	100	H	
			10.592	33.24	PK-U	37.80	-18.90	0.00	52.14	-	-	-	-	68.20	-16.06	0	100	V	
			* 15.90294	34.07	PK-U	40.30	-18.50	0.00	55.87	-	-	-	74.00	-18.13	-	-	0	100	H
			* 15.90016	34.39	PK-U	40.30	-18.50	0.00	56.19	-	-	-	74.00	-17.81	-	-	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: 802.11ax HE20 / 5700 MHz)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	38.51	Pk	34.6	-16.6	0	56.51	68.2	-11.69	67	140	H
2	5.72552	44.79	Pk	34.6	-16.6	0	62.79	68.2	-5.41	67	140	H

Pk - Peak detector

BANDEDGE TEST DATA

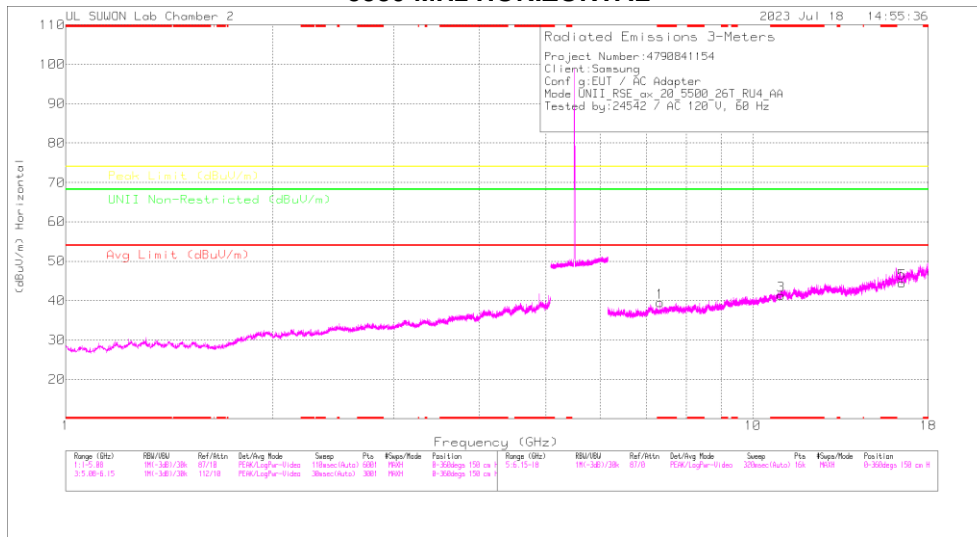
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result dBuV/m	AV Limit dBuV/m	AV Margin [dB]	PK Limit dBuV/m	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5500	MIMO	* 5.45999	36.64	Pk	34.40	-17.30	0.00	53.74	-	-	74.00	-20.26	66	124	H
			* 5.44166	41.28	Pk	34.40	-17.20	0.00	58.48	-	-	74.00	-15.52	66	124	H
			5.46998	37.81	Pk	34.40	-17.20	0.00	55.01	-	-	68.20	-13.19	66	124	H
			5.46992	42.95	Pk	34.40	-17.20	0.00	60.15	-	-	68.20	-8.05	66	124	H
			* 5.45999	27.83	RMS	34.40	-17.30	0.13	45.06	54.00	-8.94	-	-	66	124	H
			* 5.40786	28.71	RMS	34.40	-17.30	0.13	45.94	54.00	-8.06	-	-	66	124	H
			5.46998	27.79	RMS	34.40	-17.20	0.13	45.12	-	-	-	-	66	124	H
			5.46675	28.28	RMS	34.40	-17.20	0.13	45.61	-	-	-	-	66	124	H
			* 5.45999	36.07	Pk	34.40	-17.30	0.00	53.17	-	-	74.00	-20.83	93	265	V
			* 5.40729	40.59	Pk	34.40	-17.30	0.00	57.69	-	-	74.00	-16.31	93	265	V
	5.46998	39.50	Pk	34.40	-17.20	0.00	56.70	-	-	68.20	-11.50	93	265	V		
	5.46640	39.90	Pk	34.40	-17.30	0.00	57.00	-	-	68.20	-11.20	93	265	V		
	* 5.45999	27.23	RMS	34.40	-17.30	0.13	44.46	54.00	-9.54	-	-	93	265	V		
	* 5.42479	27.91	RMS	34.40	-17.30	0.13	45.14	54.00	-8.86	-	-	93	265	V		
	5.46998	27.17	RMS	34.40	-17.20	0.13	44.50	-	-	-	-	93	265	V		
	5.46784	27.91	RMS	34.40	-17.20	0.13	45.24	-	-	-	-	93	265	V		
	5.72502	38.70	Pk	34.60	-16.60	0.00	56.70	-	-	68.20	-11.50	68	118	H		
	5.72544	42.56	Pk	34.60	-16.60	0.00	60.56	-	-	68.20	-7.64	68	118	H		
	5.72502	37.66	Pk	34.60	-16.60	0.00	55.66	-	-	68.20	-12.54	96	109	V		
	5.72572	41.61	Pk	34.60	-16.60	0.00	59.61	-	-	68.20	-8.59	96	109	V		
802.11n (HT20)	5500	MIMO	* 5.45999	37.45	Pk	34.40	-17.30	0.00	54.55	-	-	74.00	-19.45	66	146	H
			* 5.43518	41.45	Pk	34.40	-17.30	0.00	58.55	-	-	74.00	-15.45	66	146	H
			5.46998	37.61	Pk	34.40	-17.20	0.00	54.81	-	-	68.20	-13.39	66	146	H
			5.46915	42.65	Pk	34.40	-17.20	0.00	59.85	-	-	68.20	-8.35	66	146	H
			* 5.45999	27.78	RMS	34.40	-17.30	0.00	44.88	54.00	-9.12	-	-	66	146	H
			* 5.4298	28.45	RMS	34.40	-17.30	0.00	45.55	54.00	-8.45	-	-	66	146	H
			5.46998	27.65	RMS	34.40	-17.20	0.00	44.85	-	-	-	-	66	146	H
			5.46677	28.15	RMS	34.40	-17.20	0.00	45.35	-	-	-	-	66	146	H
			* 5.45999	37.40	Pk	34.40	-17.30	0.00	54.50	-	-	74.00	-19.50	85	110	V
			* 5.41228	39.74	Pk	34.40	-17.30	0.00	56.84	-	-	74.00	-17.16	85	110	V
	5.46998	35.33	Pk	34.40	-17.20	0.00	52.53	-	-	68.20	-15.67	85	110	V		
	5.46305	39.87	Pk	34.40	-17.30	0.00	56.97	-	-	68.20	-11.23	85	110	V		
	* 5.45999	27.08	RMS	34.40	-17.30	0.00	44.18	54.00	-9.82	-	-	85	110	V		
	* 5.44439	27.91	RMS	34.40	-17.30	0.00	45.01	54.00	-8.99	-	-	85	110	V		
	5.46998	27.30	RMS	34.40	-17.20	0.00	44.50	-	-	-	-	85	110	V		
	5.46823	27.80	RMS	34.40	-17.20	0.00	45.00	-	-	-	-	85	110	V		
	5.72502	37.56	Pk	34.60	-16.60	0.00	55.56	-	-	68.20	-12.64	66	122	H		
	5.72588	42.52	Pk	34.60	-16.60	0.00	60.52	-	-	68.20	-7.68	66	122	H		
	5.72502	38.79	Pk	34.60	-16.60	0.00	56.79	-	-	68.20	-11.41	87	253	V		
	5.73444	41.68	Pk	34.60	-16.60	0.00	59.68	-	-	68.20	-8.52	87	253	V		
802.11n (HT40)	5510	MIMO	* 5.45999	36.31	Pk	34.40	-17.30	0.00	53.41	-	-	74.00	-20.59	67	164	H
			* 5.44548	41.63	Pk	34.40	-17.30	0.00	58.73	-	-	74.00	-15.27	67	164	H
			5.46998	37.07	Pk	34.40	-17.20	0.00	54.27	-	-	68.20	-13.93	67	164	H
			5.46819	40.28	Pk	34.40	-17.20	0.00	57.48	-	-	68.20	-10.72	67	164	H
			* 5.45999	27.40	RMS	34.40	-17.30	0.10	44.60	54.00	-9.40	-	-	67	164	H
			* 5.4352	28.16	RMS	34.40	-17.30	0.10	45.36	54.00	-8.64	-	-	67	164	H
			5.46998	28.65	RMS	34.40	-17.20	0.10	45.95	-	-	-	-	67	164	H
			5.46928	28.81	RMS	34.40	-17.20	0.10	46.11	-	-	-	-	67	164	H
			* 5.45999	36.70	Pk	34.40	-17.30	0.00	53.80	-	-	74.00	-20.20	89	125	V
			* 5.35337	40.01	Pk	34.40	-17.20	0.00	57.21	-	-	74.00	-16.79	89	125	V
	5.46998	37.75	Pk	34.40	-17.20	0.00	54.95	-	-	68.20	-13.25	89	125	V		
	5.46939	39.48	Pk	34.40	-17.20	0.00	56.68	-	-	68.20	-11.52	89	125	V		
	* 5.45999	27.08	RMS	34.40	-17.30	0.10	44.28	54.00	-9.72	-	-	89	125	V		
	* 5.45318	27.81	RMS	34.40	-17.30	0.10	45.01	54.00	-8.99	-	-	89	125	V		
	5.46998	27.35	RMS	34.40	-17.20	0.10	44.65	-	-	-	-	89	125	V		
	5.46963	27.99	RMS	34.40	-17.20	0.10	45.29	-	-	-	-	89	125	V		
	5.72502	37.20	Pk	34.60	-16.60	0.00	55.20	-	-	68.20	-13.00	71	209	H		
	5.75900	40.35	Pk	34.60	-16.60	0.00	58.35	-	-	68.20	-9.85	71	209	H		
	5.72502	38.16	Pk	34.60	-16.60	0.00	56.16	-	-	68.20	-12.04	90	231	V		
	5.79008	39.61	Pk	34.60	-16.60	0.00	57.61	-	-	68.20	-10.59	90	231	V		
802.11ac (VHT80)	5530	MIMO	* 5.45999	38.90	Pk	34.40	-17.30	0.00	56.00	-	-	74.00	-18.00	66	148	H
			* 5.45504	41.67	Pk	34.40	-17.30	0.00	58.77	-	-	74.00	-15.23	66	148	H
			5.46998	37.74	Pk	34.40	-17.20	0.00	54.94	-	-	68.20	-13.26	66	148	H
			5.46793	42.44	Pk	34.40	-17.20	0.00	59.64	-	-	68.20	-8.56	66	148	H
			* 5.45999	28.69	RMS	34.40	-17.30	0.40	46.19	54.00	-7.81	-	-	66	148	H
			* 5.45655	29.18	RMS	34.40	-17.30	0.40	46.68	54.00	-7.32	-	-	66	148	H
			5.46998	28.74	RMS	34.40	-17.20	0.40	46.34	-	-	-	-	66	148	H
			5.46767	29.40	RMS	34.40	-17.20	0.40	47.00	-	-	-	-	66	148	H
			* 5.45999	37.89	Pk	34.40	-17.30	0.00	54.99	-	-	74.00	-19.01	86	225	V
			* 5.44179	40.01	Pk	34.40	-17.20	0.00	57.21	-	-	74.00	-16.79	86	225	V
	5.46998	39.59	Pk	34.40	-17.20	0.00	56.79	-	-	68.20	-11.41	86	225	V		
	5.46821	40.04	Pk	34.40	-17.20	0.00	57.24	-	-	68.20	-10.96	86	225	V		
	* 5.45999	27.62	RMS	34.40	-17.30	0.40	45.12	54.00	-8.88	-	-	86	225	V		
	* 5.45601	28.19	RMS	34.40	-17.30	0.40	45.69	54.00	-8.31	-	-	86	225	V		
	5.46998	28.26	RMS	34.40	-17.20	0.40	45.86	-	-	-	-	86	225	V		
	5.46970	28.63	RMS	34.40	-17.20	0.40	46.23	-	-	-	-	86	225	V		
	5.72502	36.04	Pk	34.60	-16.60	0.00	54.04	-	-	68.20	-14.16	68	145	H		
	5.77650	39.66	Pk	34.60	-16.60	0.00	57.66	-	-	68.20	-10.54	68	145	H		
	5.72502	35.17	Pk	34.60	-16.60	0.00	53.17	-	-	68.20	-15.03	92	243	V		
	5.77006	39.87	Pk	34.60	-16.60	0.00	57.87	-	-	68.20	-10.33	92	243	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 (HE20)	5500	MIMO	* 5.45999	37.12	Pk	34.40	-17.30	0.00	54.22	-	-	74.00	-19.78	67	141	H			
			* 5.44489	42.33	Pk	34.40	-17.30	0.00	59.43	-	-	74.00	-14.57	67	141	H			
			5.46998	36.75	Pk	34.40	-17.20	0.00	53.95	-	-	68.20	-14.25	67	141	H			
			5.46889	42.29	Pk	34.40	-17.20	0.00	59.49	-	-	68.20	-8.71	67	141	H			
			* 5.45999	27.29	RMS	34.40	-17.30	0.20	44.59	54.00	-9.41	-	-	67	141	H			
			* 5.4391	28.43	RMS	34.40	-17.30	0.20	45.73	54.00	-8.27	-	-	67	141	H			
			5.46998	27.15	RMS	34.40	-17.20	0.20	44.55	-	-	-	-	67	141	H			
			5.46898	28.22	RMS	34.40	-17.20	0.20	45.62	-	-	-	-	67	141	H			
			* 5.45999	36.38	Pk	34.40	-17.30	0.00	53.48	-	-	74.00	-20.52	79	189	V			
			* 5.43606	39.85	Pk	34.40	-17.30	0.00	56.95	-	-	74.00	-17.05	79	189	V			
			5.46998	36.19	Pk	34.40	-17.20	0.00	53.39	-	-	68.20	-14.81	79	189	V			
			5.46769	42.07	Pk	34.40	-17.20	0.00	59.27	-	-	68.20	-8.93	79	189	V			
			* 5.45999	26.83	RMS	34.40	-17.30	0.20	44.13	54.00	-9.87	-	-	79	189	V			
			* 5.43603	27.79	RMS	34.40	-17.30	0.20	45.09	54.00	-8.91	-	-	79	189	V			
			5.46998	27.18	RMS	34.40	-17.20	0.20	44.58	-	-	-	-	79	189	V			
			5.46990	27.70	RMS	34.40	-17.20	0.20	45.10	-	-	-	-	79	189	V			
			802.11ax (HE20)	5700	MIMO	5.72502	38.51	Pk	34.60	-16.60	0.00	56.51	-	-	68.20	-11.69	67	140	H
						5.72552	44.79	Pk	34.60	-16.60	0.00	62.79	-	-	68.20	-5.41	67	140	H
						5.72502	36.77	Pk	34.60	-16.60	0.00	54.77	-	-	68.20	-13.43	90	249	V
						5.73920	40.27	Pk	34.60	-16.60	0.00	58.27	-	-	68.20	-9.93	90	249	V
* 5.45999	37.90	Pk				34.40	-17.30	0.00	55.00	-	-	74.00	-19.00	66	152	H			
802.11ax (HE40)	5510	MIMO	* 5.45386	42.16	Pk	34.40	-17.30	0.00	59.26	-	-	74.00	-14.74	66	152	H			
			5.46998	38.50	Pk	34.40	-17.20	0.00	55.70	-	-	68.20	-12.50	66	152	H			
			5.46970	40.92	Pk	34.40	-17.20	0.00	58.12	-	-	68.20	-10.08	66	152	H			
			* 5.45999	27.65	RMS	34.40	-17.30	0.35	45.10	54.00	-8.90	-	-	66	152	H			
			* 5.45325	28.29	RMS	34.40	-17.30	0.35	45.74	54.00	-8.26	-	-	66	152	H			
			5.46998	28.31	RMS	34.40	-17.20	0.35	45.86	-	-	-	-	66	152	H			
			5.46983	28.94	RMS	34.40	-17.20	0.35	46.49	-	-	-	-	66	152	H			
			* 5.45999	36.26	Pk	34.40	-17.30	0.00	53.36	-	-	74.00	-20.64	86	109	V			
			* 5.42527	39.75	Pk	34.40	-17.30	0.00	56.85	-	-	74.00	-17.15	86	109	V			
			5.46998	37.01	Pk	34.40	-17.20	0.00	54.21	-	-	68.20	-13.99	86	109	V			
			5.46250	40.26	Pk	34.40	-17.30	0.00	57.36	-	-	68.20	-10.84	86	109	V			
			* 5.45999	26.79	RMS	34.40	-17.30	0.35	44.24	54.00	-9.76	-	-	86	109	V			
			* 5.35871	27.77	RMS	34.40	-17.20	0.35	45.32	54.00	-8.68	-	-	86	109	V			
			5.46998	27.56	RMS	34.40	-17.20	0.35	45.11	-	-	-	-	86	109	V			
			5.46710	28.02	RMS	34.40	-17.20	0.35	45.57	-	-	-	-	86	109	V			
			802.11ax (HE40)	5670	MIMO	5.72502	36.26	Pk	34.60	-16.60	0.00	54.26	-	-	68.20	-13.94	68	120	H
						5.78925	39.78	Pk	34.60	-16.60	0.00	57.78	-	-	68.20	-10.42	68	120	H
						5.72502	35.86	Pk	34.60	-16.60	0.00	53.86	-	-	68.20	-14.34	91	256	V
						5.72522	41.79	Pk	34.60	-16.60	0.00	59.79	-	-	68.20	-8.41	91	256	V
						* 5.45999	38.15	Pk	34.40	-17.30	0.00	55.25	-	-	74.00	-18.75	67	148	H
802.11ax (HE80)	5530	MIMO	* 5.4562	41.22	Pk	34.40	-17.30	0.00	58.32	-	-	74.00	-15.68	67	148	H			
			5.46998	38.27	Pk	34.40	-17.20	0.00	55.47	-	-	68.20	-12.73	67	148	H			
			5.46889	43.35	Pk	34.40	-17.20	0.00	60.55	-	-	68.20	-7.65	67	148	H			
			* 5.45999	28.40	RMS	34.40	-17.30	0.49	45.99	54.00	-8.01	-	-	67	148	H			
			* 5.45896	28.84	RMS	34.40	-17.30	0.49	46.43	54.00	-7.57	-	-	67	148	H			
			5.46998	28.03	RMS	34.40	-17.20	0.49	45.72	-	-	-	-	67	148	H			
			5.46865	29.32	RMS	34.40	-17.20	0.49	47.01	-	-	-	-	67	148	H			
			* 5.45999	36.96	Pk	34.40	-17.30	0.00	54.06	-	-	74.00	-19.94	88	245	V			
			* 5.43982	40.37	Pk	34.40	-17.30	0.00	57.47	-	-	74.00	-16.53	88	245	V			
			5.46998	36.50	Pk	34.40	-17.20	0.00	53.70	-	-	68.20	-14.50	88	245	V			
			5.46222	40.29	Pk	34.40	-17.30	0.00	57.39	-	-	68.20	-10.81	88	245	V			
			* 5.45999	28.05	RMS	34.40	-17.30	0.49	45.64	54.00	-8.36	-	-	88	245	V			
			* 5.45642	28.32	RMS	34.40	-17.30	0.49	45.91	54.00	-8.09	-	-	88	245	V			
			5.46998	28.01	RMS	34.40	-17.20	0.49	45.70	-	-	-	-	88	245	V			
			5.46228	28.70	RMS	34.40	-17.30	0.49	46.29	-	-	-	-	88	245	V			
			802.11ax (HE80)	5610	MIMO	5.72502	34.59	Pk	34.60	-16.60	0.00	52.59	-	-	68.20	-15.61	67	124	H
						5.75980	40.47	Pk	34.60	-16.60	0.00	58.47	-	-	68.20	-9.73	67	124	H
						5.72502	35.75	Pk	34.60	-16.60	0.00	53.75	-	-	68.20	-14.45	85	232	V
						5.82308	39.15	Pk	34.70	-16.50	0.00	57.35	-	-	68.20	-10.85	85	232	V

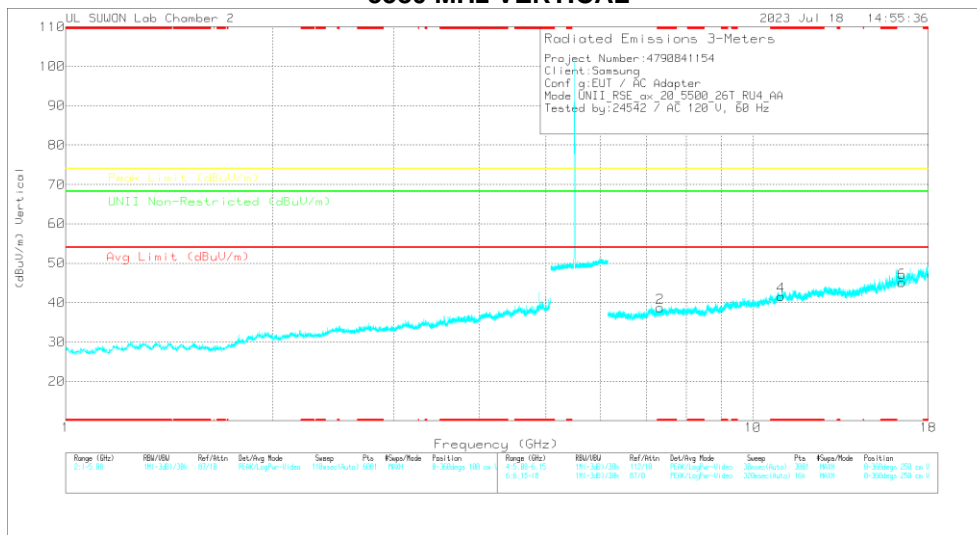
Note1. Pk - Peak detector, RMS - RMS detector
 Note2. * - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11ax HE20 4RU / 5580 MHz)

5580 MHz HORIZONTAL



5580 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.

5580 MHz DATA

Radiated Emissions

Frequency (GHz)	Meas. Reading (dBuV)	Det.	317_00168724	6GHz_HF(SB)	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)	Asimuth (Deg)	Height (cm)	Polarity
* 7.33369	38.16	PK-U		-24	0	49.86	-	-	74	-24.14	-	-	70	152	H
* 7.33343	29.14	ADR		-24	2	41.04	54	-12.96	-	-	-	-	70	152	H
* 7.33322	37.5	PK-U		-24	0	49.2	-	-	74	-24.8	-	-	25	116	V
* 7.33326	26.81	ADR		-24	2	38.71	54	-15.29	-	-	-	-	25	116	V
* 10.99298	33.78	PK-U		-19.9	0	51.78	-	-	74	-22.22	-	-	0	100	H
* 10.99519	33.9	PK-U		-19.9	0	51.9	-	-	74	-22.1	-	-	0	100	V
16.50744	34.54	PK-U		-19.4	0	56.04	-	-	-	-	68.2	-12.16	0	100	H
16.50669	34.67	PK-U		-19.4	0	56.17	-	-	-	-	68.2	-12.03	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

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

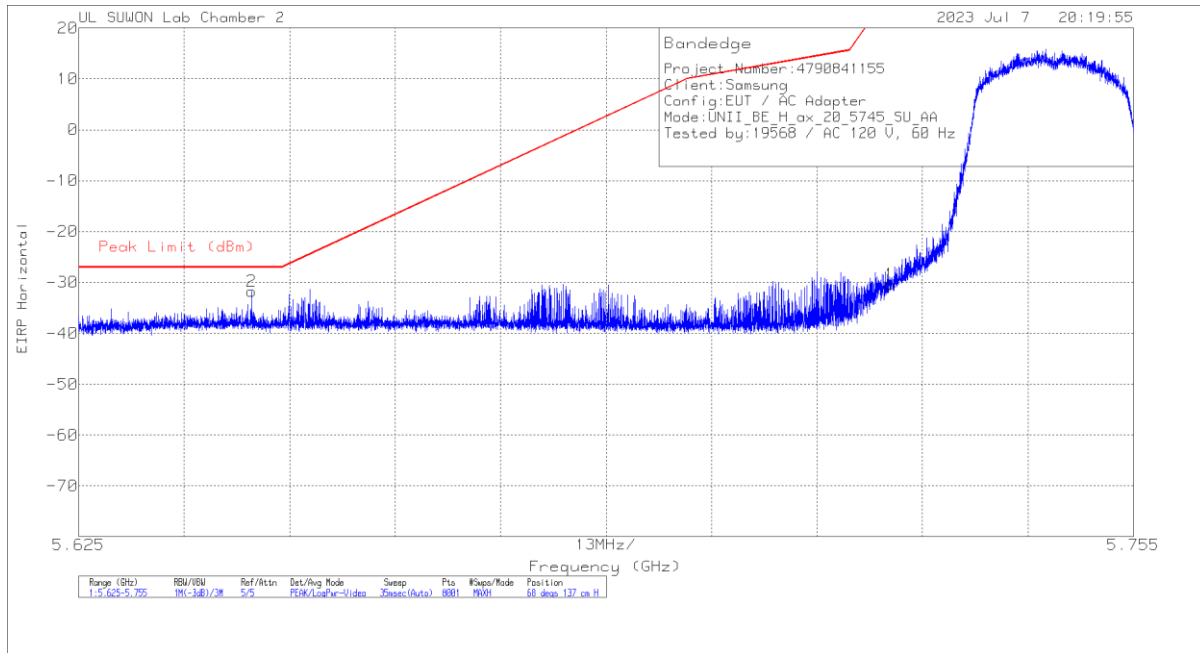
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity		
802.11a	5500	MIMO	* 7.33346	37.47	PK-U	35.70	-24.00	0.00	49.17	-	-	74.00	-24.83	-	-	78	132	H		
			* 7.33336	27.75	ADR	35.70	-24.00	0.13	39.58	54.00	-14.42	-	-	-	-	-	78	132	H	
			* 7.32696	37.15	PK-U	35.70	-24.00	0.00	48.85	-	-	-	74.00	-25.15	-	-	32	109	V	
			* 7.33328	26.07	ADR	35.70	-24.00	0.13	37.90	54.00	-16.10	-	-	-	-	-	32	109	V	
			* 11.00843	33.73	PK-U	38.00	-19.90	0.00	51.83	-	-	-	74.00	-22.17	-	-	0	100	H	
			* 11.00113	33.69	PK-U	38.00	-19.90	0.00	51.79	-	-	-	74.00	-22.21	-	-	0	100	V	
		16.496	34.89	PK-U	40.90	-19.20	0.00	56.59	-	-	-	-	-	68.20	-11.61	0	100	H		
		16.495	34.29	PK-U	40.90	-19.20	0.00	56.99	-	-	-	-	-	68.20	-12.21	0	100	V		
		* 8.37889	34.77	PK-U	35.90	-22.50	0.00	48.17	-	-	-	74.00	-25.83	-	-	0	100	H		
		* 8.36051	34.50	PK-U	35.90	-22.40	0.00	48.00	-	-	-	74.00	-26.00	-	-	0	100	V		
		* 11.15091	33.78	PK-U	38.00	-18.90	0.00	52.88	-	-	-	74.00	-21.12	-	-	0	100	H		
		* 11.16807	33.50	PK-U	38.00	-18.90	0.00	52.60	-	-	-	74.00	-21.40	-	-	0	100	V		
		16.748	33.68	PK-U	41.20	-18.30	0.00	56.58	-	-	-	-	-	68.20	-11.62	0	100	H		
		16.740	34.24	PK-U	41.20	-18.30	0.00	57.14	-	-	-	-	-	68.20	-11.06	0	100	V		
		8.541	34.33	PK-U	36.00	-21.30	0.00	49.03	-	-	-	-	-	68.20	-19.17	0	100	H		
		8.552	34.50	PK-U	36.00	-21.10	0.00	49.40	-	-	-	-	-	68.20	-18.80	0	100	V		
		* 11.40298	33.95	PK-U	38.10	-19.90	0.00	52.15	-	-	-	74.00	-21.85	-	-	0	100	H		
		* 11.40882	34.05	PK-U	38.10	-19.90	0.00	52.25	-	-	-	74.00	-21.75	-	-	0	100	V		
		17.098	33.38	PK-U	41.20	-17.90	0.00	56.68	-	-	-	-	-	68.20	-11.52	0	100	H		
		17.100	33.58	PK-U	41.20	-17.90	0.00	56.88	-	-	-	-	-	68.20	-11.32	0	100	V		
		8.582	33.76	PK-U	36.00	-20.70	0.00	49.06	-	-	-	-	-	68.20	-19.14	0	100	H		
		8.577	34.29	PK-U	36.00	-20.70	0.00	49.59	-	-	-	-	-	68.20	-18.61	0	100	V		
		* 11.44019	34.22	PK-U	38.10	-19.80	0.00	52.52	-	-	-	74.00	-21.48	-	-	0	100	H		
		* 11.44017	34.30	PK-U	38.10	-19.80	0.00	52.60	-	-	-	74.00	-21.40	-	-	0	100	V		
		17.151	33.28	PK-U	41.20	-18.20	0.00	56.28	-	-	-	-	-	68.20	-11.92	0	100	H		
		17.152	33.90	PK-U	41.20	-18.20	0.00	56.90	-	-	-	-	-	68.20	-11.30	0	100	V		
	802.11ax (HE20) 4RU Spot-Check	5580	MIMO	* 7.33369	38.16	PK-U	35.70	-24.00	0.00	49.86	-	-	74.00	-24.14	-	-	70	152	H	
				* 7.33343	29.14	ADR	35.70	-24.00	0.20	41.04	54.00	-12.96	-	-	-	-	70	152	H	
				* 7.33322	37.50	PK-U	35.70	-24.00	0.00	49.20	-	-	-	74.00	-24.80	-	-	25	116	V
				* 7.33326	26.81	ADR	35.70	-24.00	0.20	38.71	54.00	-15.29	-	-	-	-	25	116	V	
				* 10.99298	33.78	PK-U	37.90	-19.90	0.00	51.78	-	-	-	74.00	-22.22	-	-	0	100	H
				* 10.99519	33.90	PK-U	37.90	-19.90	0.00	51.90	-	-	-	74.00	-22.10	-	-	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

11.4. TX ABOVE 1GHz 2Tx MODE IN THE 5.8 GHz BAND

BANDEDGE (WORST CASE: 802.11ax HE20 / 5745 MHz)

HORIZONTAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00168724	10dB_ATT(dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72499	-60.2	Pk	34.6	-16.6	11.8	0	-30.4	26.97	-57.37	68	137	H
2	5.64629	-61.3	Pk	34.5	-16.7	11.8	0	-31.7	-27	-4.7	68	137	H

Pk - Peak detector

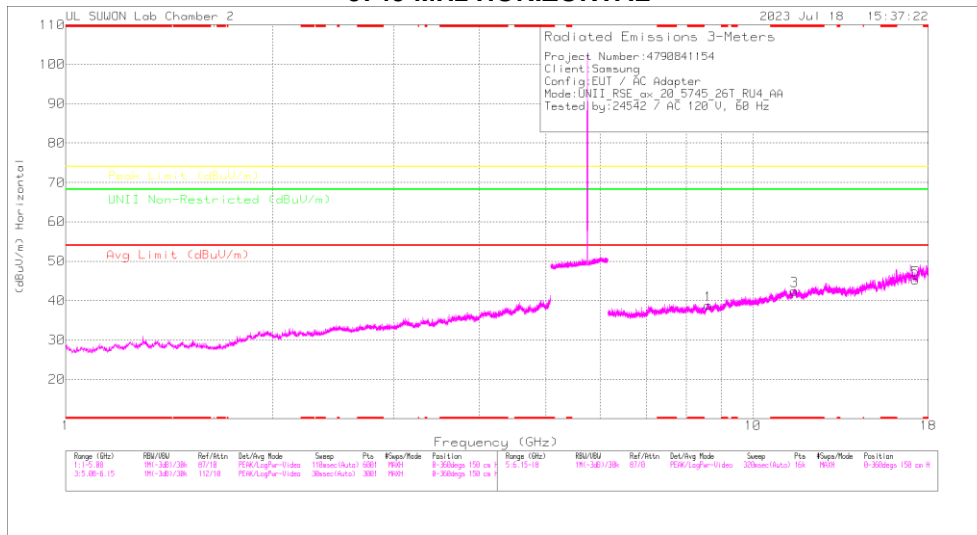
BANDEDGE TEST DATA

Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBm]	Detector Mode	ANT Factor	Loss [dB]	Conv. F [dB]	DC Corr [dB]	Result [dBm]	PK Limit [dBm]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5745	MIMO	5.72499	-55.43	Pk	34.60	-16.60	11.80	0.00	-25.63	26.97	-52.60	66	125	H
			5.64907	-62.98	Pk	34.50	-16.70	11.80	0.00	-33.38	-27.00	-6.38	66	125	H
			5.72499	-60.40	Pk	34.60	-16.60	11.80	0.00	-30.60	26.97	-57.57	75	104	V
			5.65069	-63.82	Pk	34.50	-16.60	11.80	0.00	-34.12	-26.49	-7.63	75	104	V
			5.85003	-66.70	Pk	34.80	-16.50	11.80	0.00	-36.60	26.94	-63.54	65	164	H
	5825	MIMO	5.94165	-67.15	Pk	34.90	-16.40	11.80	0.00	-36.85	-27.00	-9.85	65	164	H
			5.85003	-67.39	Pk	34.80	-16.50	11.80	0.00	-37.29	26.94	-64.23	81	120	V
			5.94045	-67.84	Pk	34.90	-16.40	11.80	0.00	-37.54	-27.00	-10.54	81	120	V
			5.72499	-56.03	Pk	34.60	-16.60	11.80	0.00	-26.23	26.97	-53.20	64	148	H
			5.65107	-61.47	Pk	34.50	-16.60	11.80	0.00	-31.77	-26.21	-5.56	64	148	H
802.11n (HT20)	5745	MIMO	5.72499	-59.98	Pk	34.60	-16.60	11.80	0.00	-30.18	26.97	-57.15	73	104	V
			5.64385	-66.49	Pk	34.50	-16.70	11.80	0.00	-36.89	-27.00	-9.89	73	104	V
			5.85003	-65.11	Pk	34.80	-16.50	11.80	0.00	-35.01	26.94	-61.95	64	142	H
			5.94218	-67.33	Pk	34.90	-16.30	11.80	0.00	-36.93	-27.00	-9.93	64	142	H
			5.85003	-68.46	Pk	34.80	-16.50	11.80	0.00	-38.36	26.94	-65.30	75	100	V
	5825	MIMO	5.97678	-67.71	Pk	35.00	-16.30	11.80	0.00	-37.21	-27.00	-10.21	75	100	V
			5.72499	-56.73	Pk	34.60	-16.60	11.80	0.00	-26.93	26.97	-53.90	65	107	H
			5.62550	-65.73	Pk	34.50	-16.80	11.80	0.00	-36.23	-27.00	-9.23	65	107	H
			5.72499	-60.69	Pk	34.60	-16.60	11.80	0.00	-30.89	26.97	-57.86	73	139	V
			5.63909	-66.57	Pk	34.50	-16.60	11.80	0.00	-36.87	-27.00	-9.87	73	139	V
802.11n (HT40)	5755	MIMO	5.85003	-70.53	Pk	34.80	-16.50	11.80	0.00	-40.43	26.94	-67.37	66	130	H
			5.93515	-67.90	Pk	34.90	-16.40	11.80	0.00	-37.60	-27.00	-10.60	66	130	H
			5.85003	-70.19	Pk	34.80	-16.50	11.80	0.00	-40.09	26.94	-67.03	78	100	V
			5.99513	-67.85	Pk	35.00	-16.30	11.80	0.00	-37.35	-27.00	-10.35	78	100	V
			5.72499	-58.50	Pk	34.60	-16.60	11.80	0.00	-28.70	26.97	-55.67	68	140	H
	5775 (Lower Side)	MIMO	5.64993	-65.90	Pk	34.50	-16.60	11.80	0.00	-36.20	-27.00	-9.20	68	140	H
			5.72499	-63.10	Pk	34.60	-16.60	11.80	0.00	-33.30	26.97	-60.27	74	171	V
			5.63020	-66.94	Pk	34.50	-16.80	11.80	0.00	-37.44	-27.00	-10.44	74	171	V
			5.85003	-66.28	Pk	34.80	-16.50	11.80	0.00	-36.18	26.94	-63.12	69	135	H
			5.94533	-67.93	Pk	34.90	-16.30	11.80	0.00	-37.53	-27.00	-10.53	69	135	H
5775 (Upper Side)	MIMO	5.85003	-70.64	Pk	34.80	-16.50	11.80	0.00	-40.54	26.94	-67.48	89	100	V	
		5.94588	-67.49	Pk	34.90	-16.30	11.80	0.00	-37.09	-27.00	-10.09	89	100	V	
		5.72499	-60.20	Pk	34.60	-16.60	11.80	0.00	-30.40	26.97	-57.37	68	137	H	
		5.64629	-61.30	Pk	34.50	-16.70	11.80	0.00	-31.70	-27.00	-4.70	68	137	H	
		5.72499	-57.68	Pk	34.60	-16.60	11.80	0.00	-27.88	26.97	-54.85	87	104	V	
802.11ax (HE20)	5745	MIMO	5.65224	-63.91	Pk	34.50	-16.60	11.80	0.00	-34.21	-25.35	-8.86	87	104	V
			5.85003	-65.20	Pk	34.80	-16.50	11.80	0.00	-35.10	26.94	-62.04	67	152	H
			5.97090	-67.67	Pk	35.00	-16.30	11.80	0.00	-37.17	-27.00	-10.17	67	152	H
			5.85003	-68.01	Pk	34.80	-16.50	11.80	0.00	-37.91	26.94	-64.85	90	100	V
			5.97048	-67.45	Pk	35.00	-16.30	11.80	0.00	-36.95	-27.00	-9.95	90	100	V
	5825	MIMO	5.72499	-57.53	Pk	34.60	-16.60	11.80	0.00	-27.73	26.97	-54.70	67	135	H
			5.63485	-65.56	Pk	34.50	-16.70	11.80	0.00	-35.96	-27.00	-8.96	67	135	H
			5.72499	-54.25	Pk	34.60	-16.60	11.80	0.00	-24.45	26.97	-51.42	81	104	V
			5.64559	-66.47	Pk	34.50	-16.70	11.80	0.00	-36.87	-27.00	-9.87	81	104	V
			5.85003	-69.80	Pk	34.80	-16.50	11.80	0.00	-39.70	26.94	-66.64	69	138	H
5755	MIMO	5.94033	-67.02	Pk	34.90	-16.40	11.80	0.00	-36.72	-27.00	-9.72	69	138	H	
		5.85003	-66.35	Pk	34.80	-16.50	11.80	0.00	-36.25	26.94	-63.19	89	100	V	
		5.98383	-67.51	Pk	35.00	-16.30	11.80	0.00	-37.01	-27.00	-10.01	89	100	V	
		5.72499	-53.13	Pk	34.60	-16.60	11.80	0.00	-23.33	26.97	-50.30	69	127	H	
		5.64856	-65.44	Pk	34.50	-16.70	11.80	0.00	-35.84	-27.00	-8.84	69	127	H	
802.11ax (HE40)	5745	MIMO	5.72499	-56.59	Pk	34.60	-16.60	11.80	0.00	-26.79	26.97	-53.76	88	104	V
			5.64996	-65.79	Pk	34.50	-16.60	11.80	0.00	-36.09	-27.00	-9.09	88	104	V
			5.85003	-65.84	Pk	34.80	-16.50	11.80	0.00	-35.74	26.94	-62.68	69	136	H
			5.98033	-67.79	Pk	35.00	-16.30	11.80	0.00	-37.29	-27.00	-10.29	69	136	H
			5.85003	-67.81	Pk	34.80	-16.50	11.80	0.00	-37.71	26.94	-64.65	86	100	V
	5775 (Upper Side)	MIMO	5.92590	-67.51	Pk	34.90	-16.30	11.80	0.00	-37.11	-27.00	-10.11	86	100	V

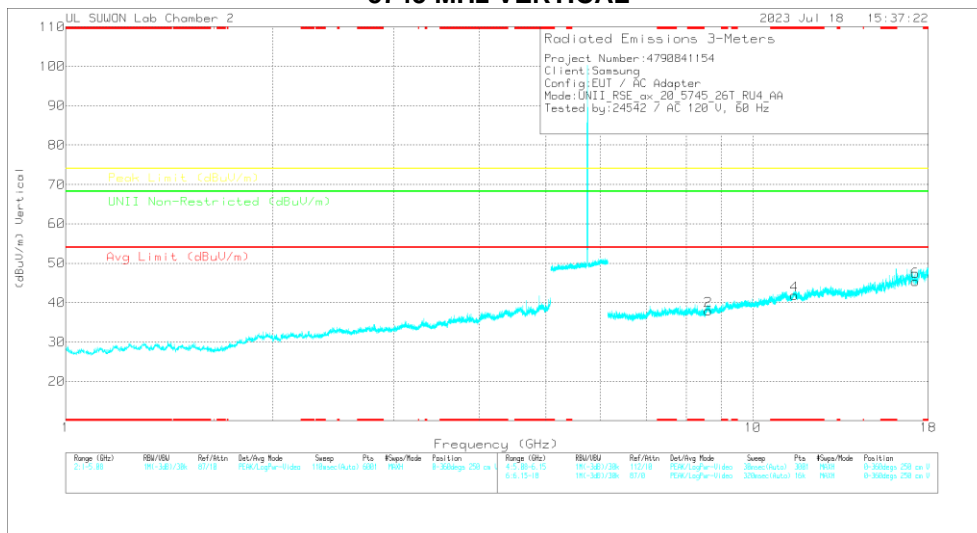
Note. Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11ax HE20 4RU / 5745 MHz)

5745 MHz HORIZONTAL



5745 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.

5745 MHz DATA

Radiated Emissions

Frequency (GHz)	Mask Reading (dBuV)	Det	317_00168724	6GHz_HPI(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)	Azimuth (Deg)	Height (cm)	Polarity
8.61346	34.27	PK-U	36	-20.6	0	49.67	-	-	-	-	68.2	-18.53	0	100	H
8.62588	34.62	PK-U	36	-20.8	0	49.82	-	-	-	-	68.2	-18.38	0	100	V
*11.48685	34.05	PK-U	38.2	-19.4	0	52.85	-	-	74	-21.15	-	-	0	100	H
*11.48216	34.21	PK-U	38.2	-19.4	0	53.01	-	-	74	-20.99	-	-	0	100	V
17.24227	34.64	PK-U	41.2	-18.4	0	57.44	-	-	-	-	68.2	-10.76	0	100	H
17.23609	34.1	PK-U	41.2	-18.4	0	56.9	-	-	-	-	68.2	-11.3	0	100	V

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