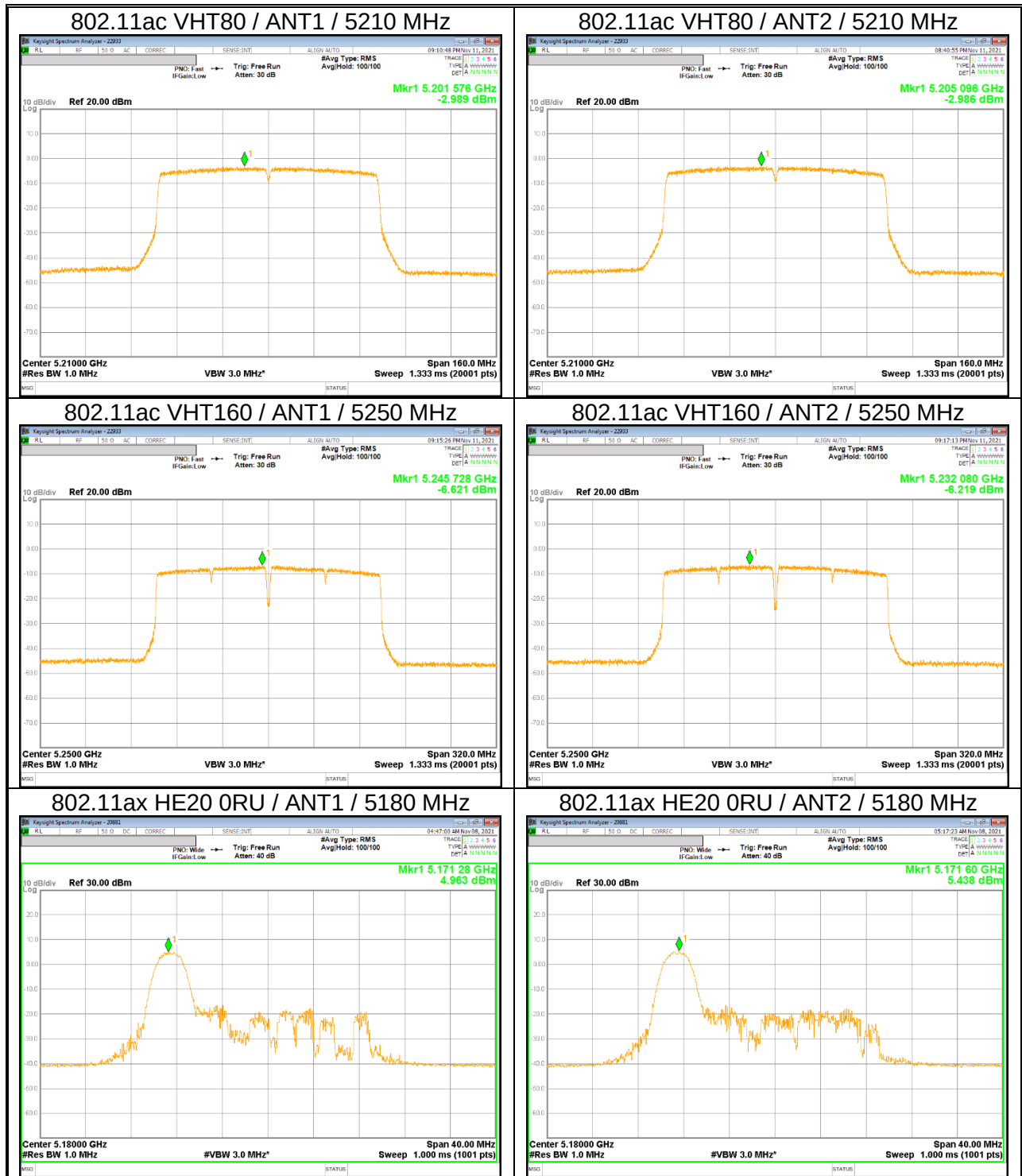
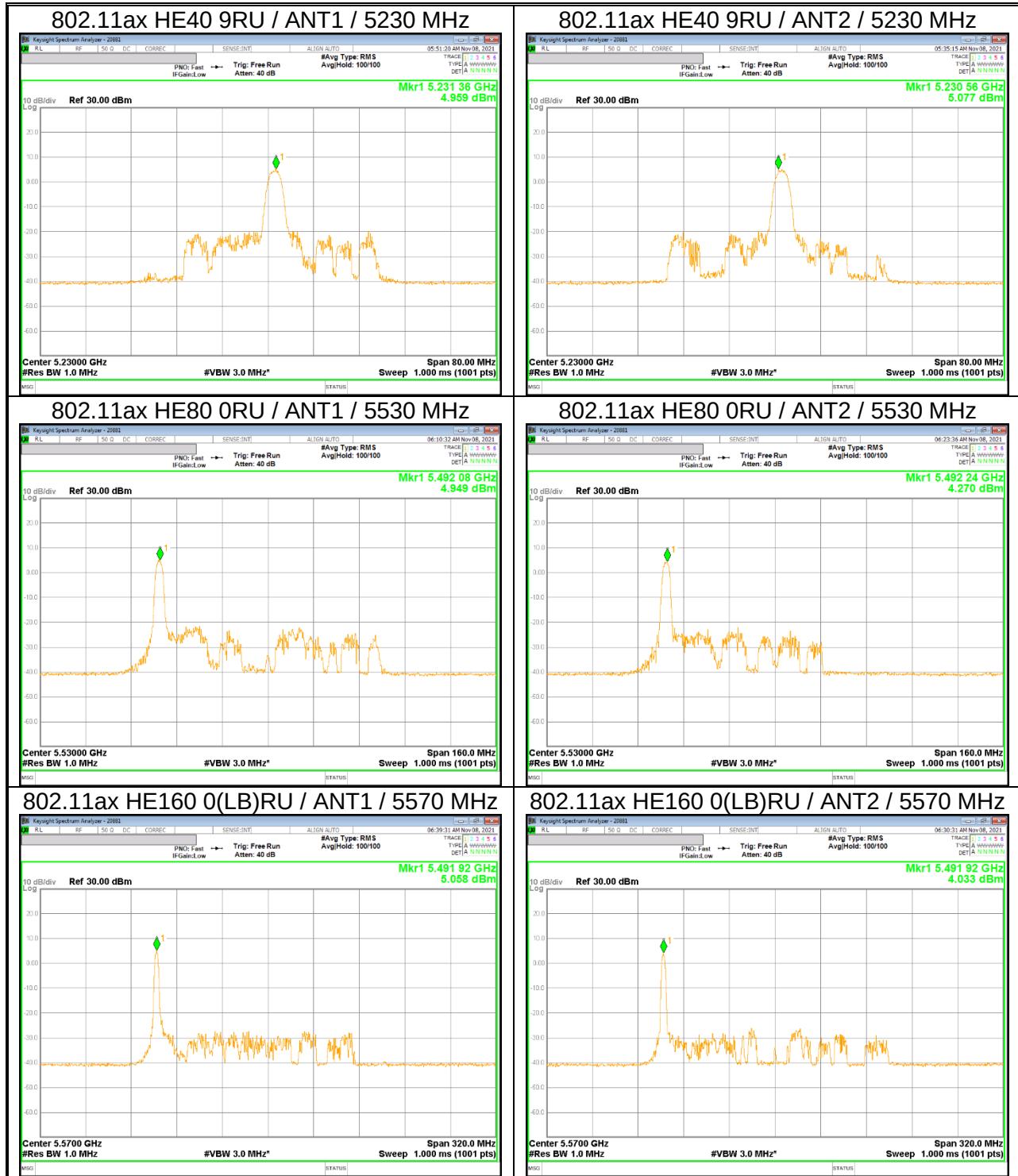
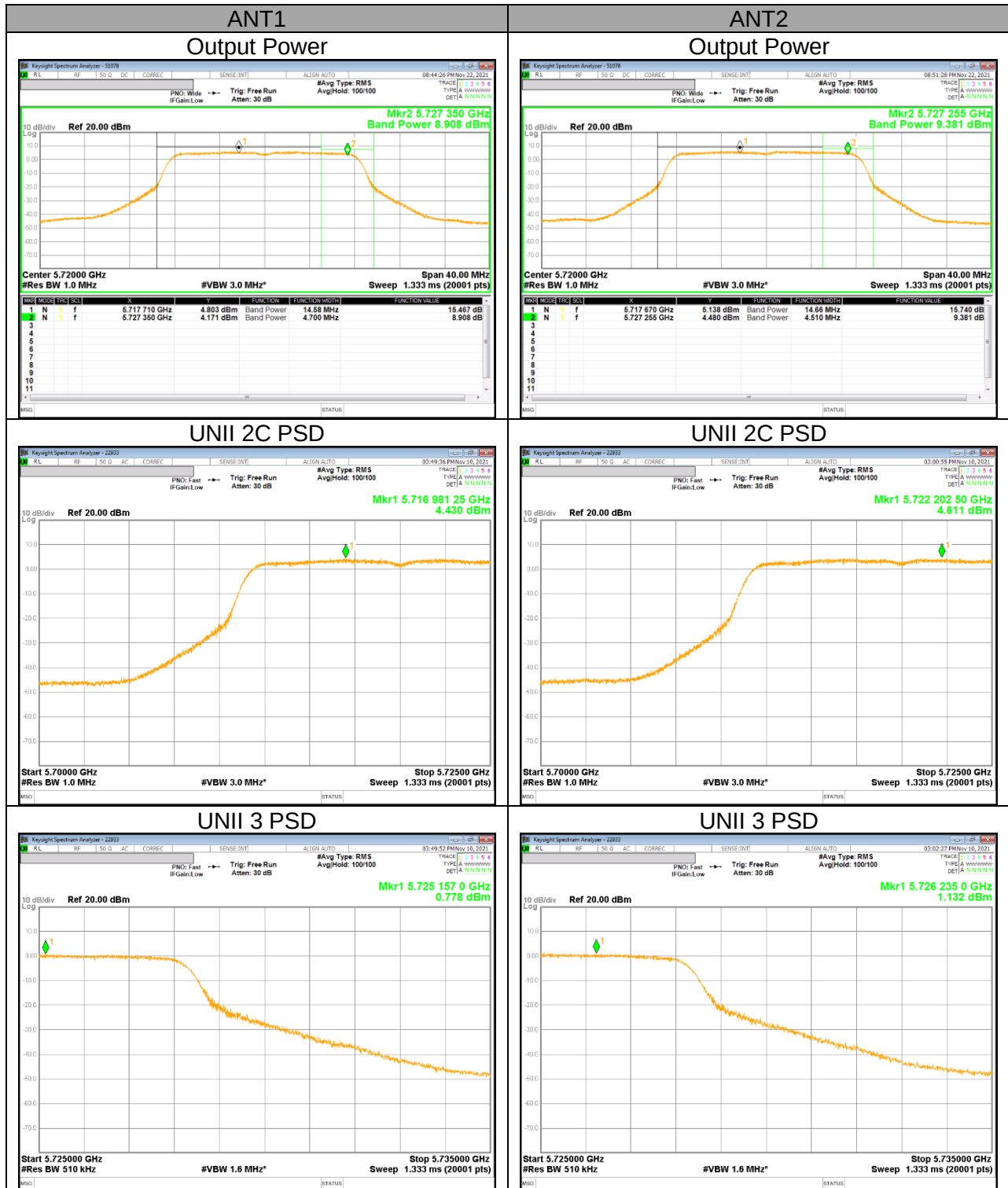


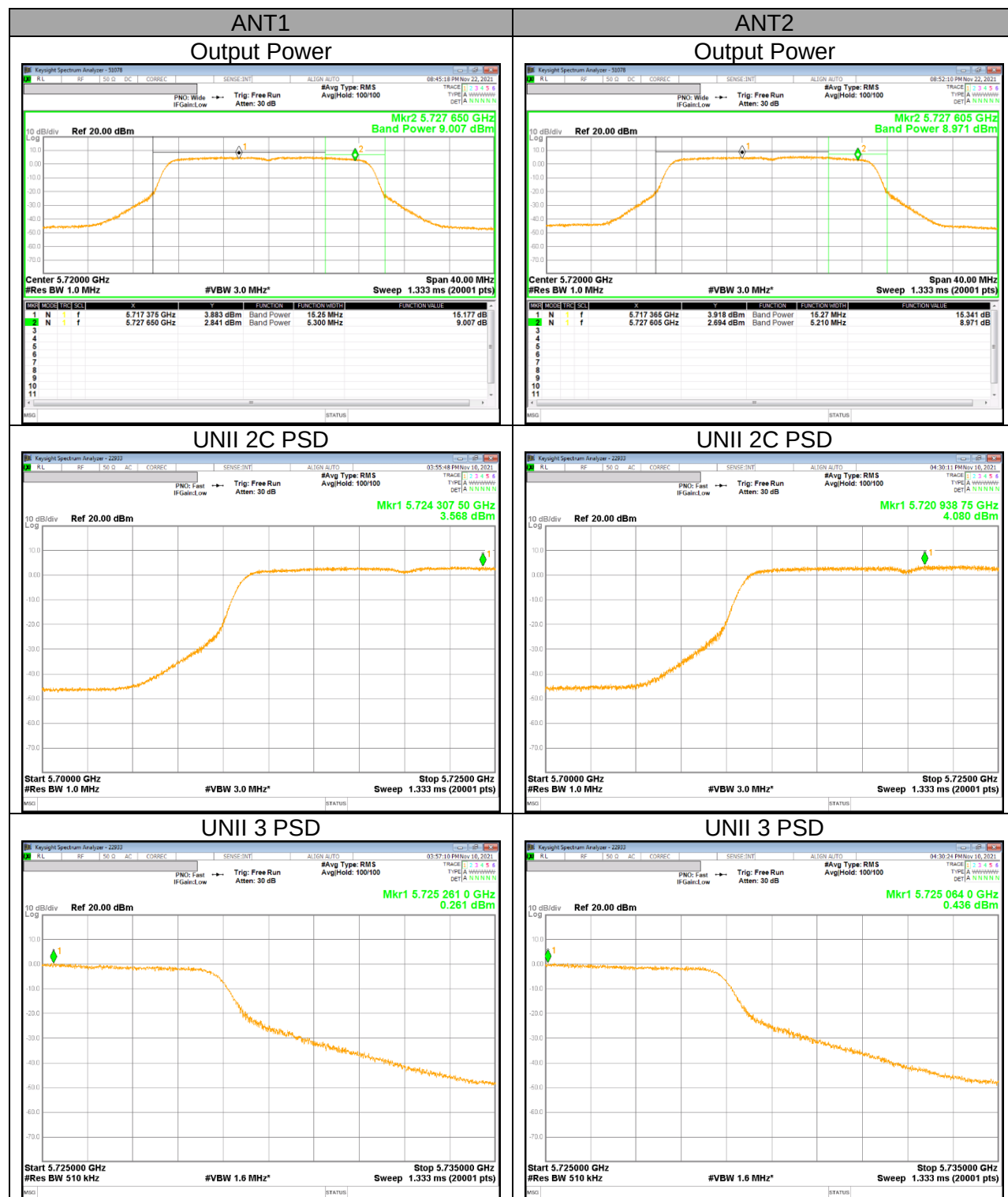




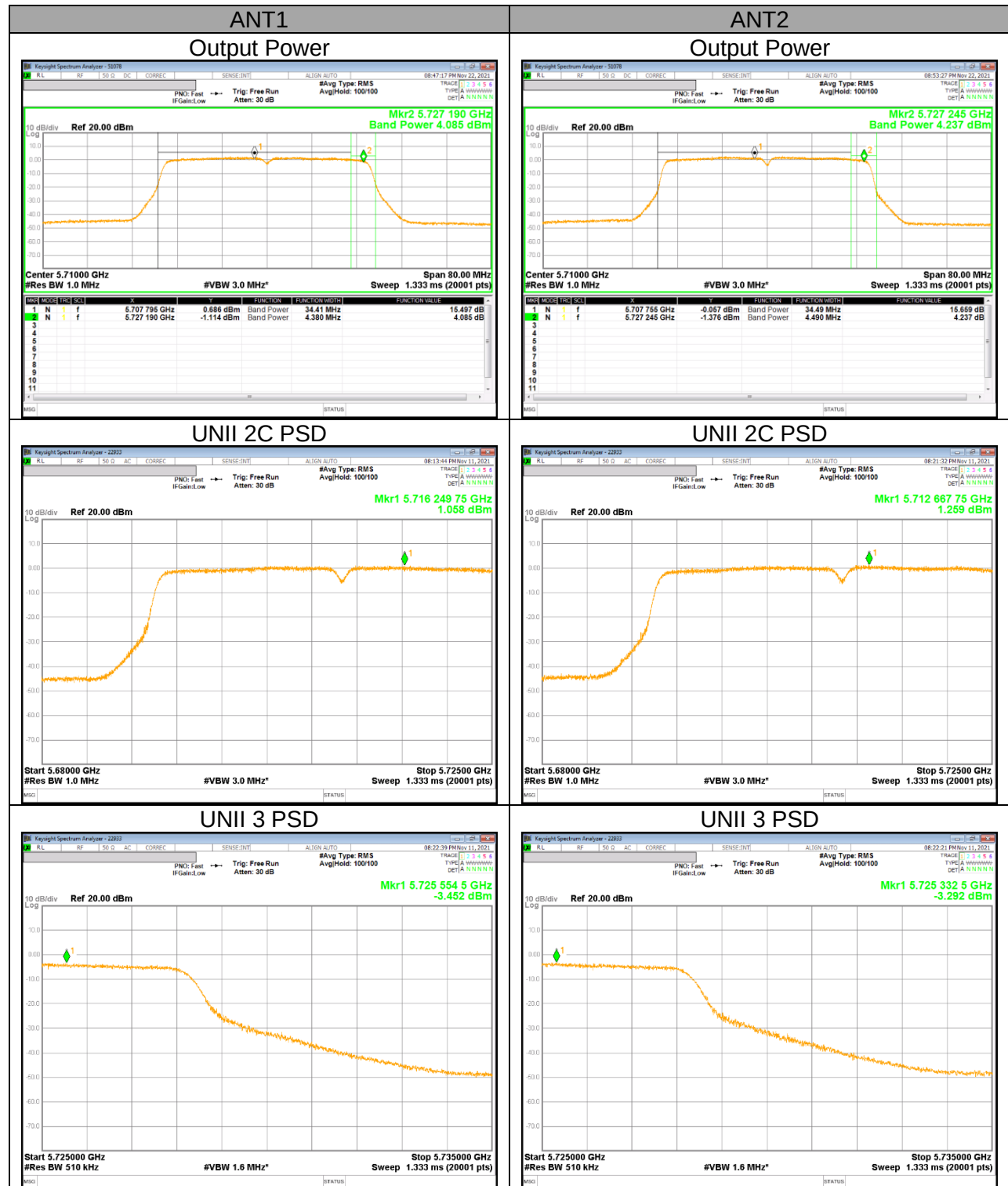
UNII Straddle Ch. IEEE 802.11a mode Output Power and PSD



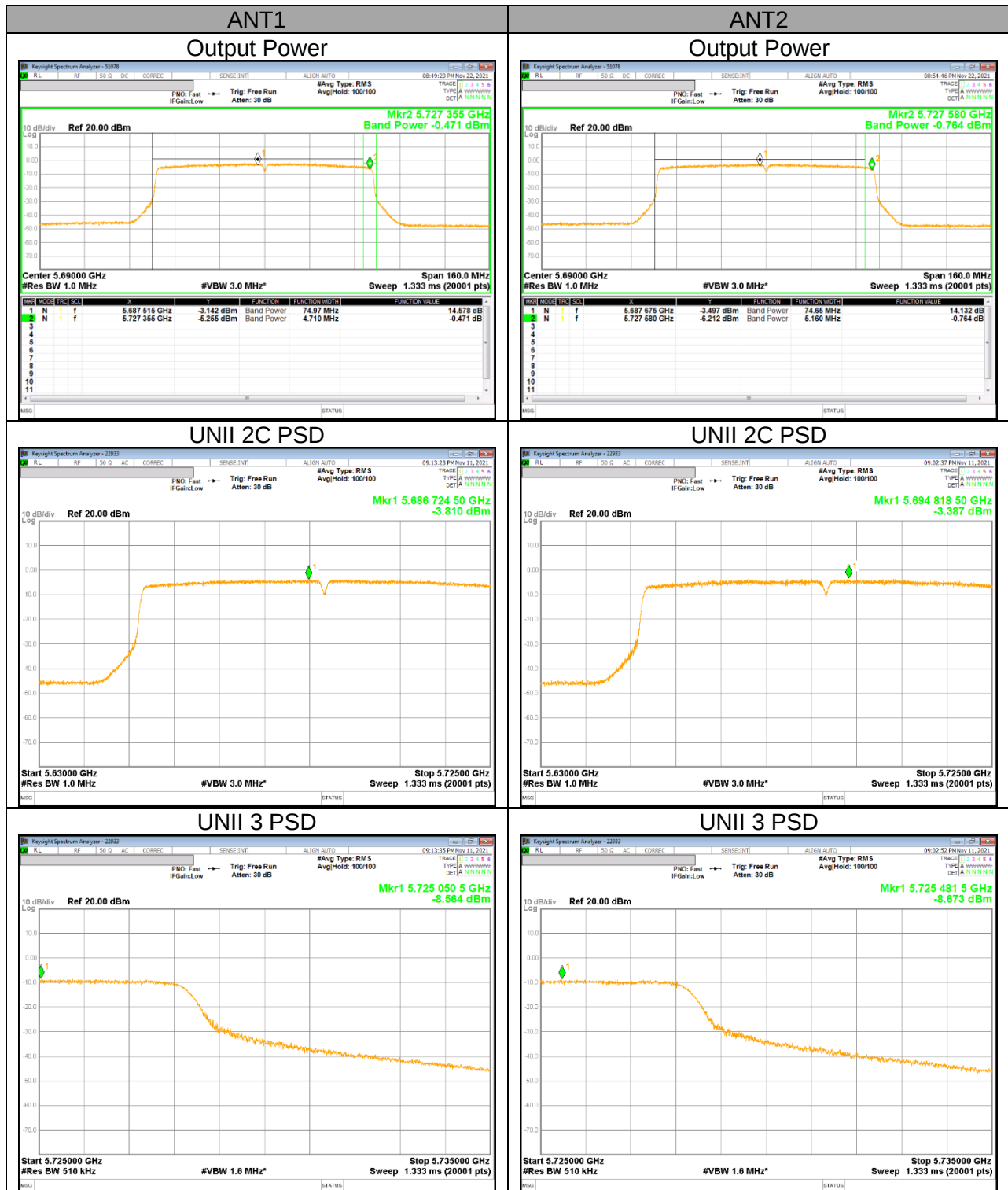
UNII Straddle Ch. IEEE 802.11n HT20 mode Output Power and PSD



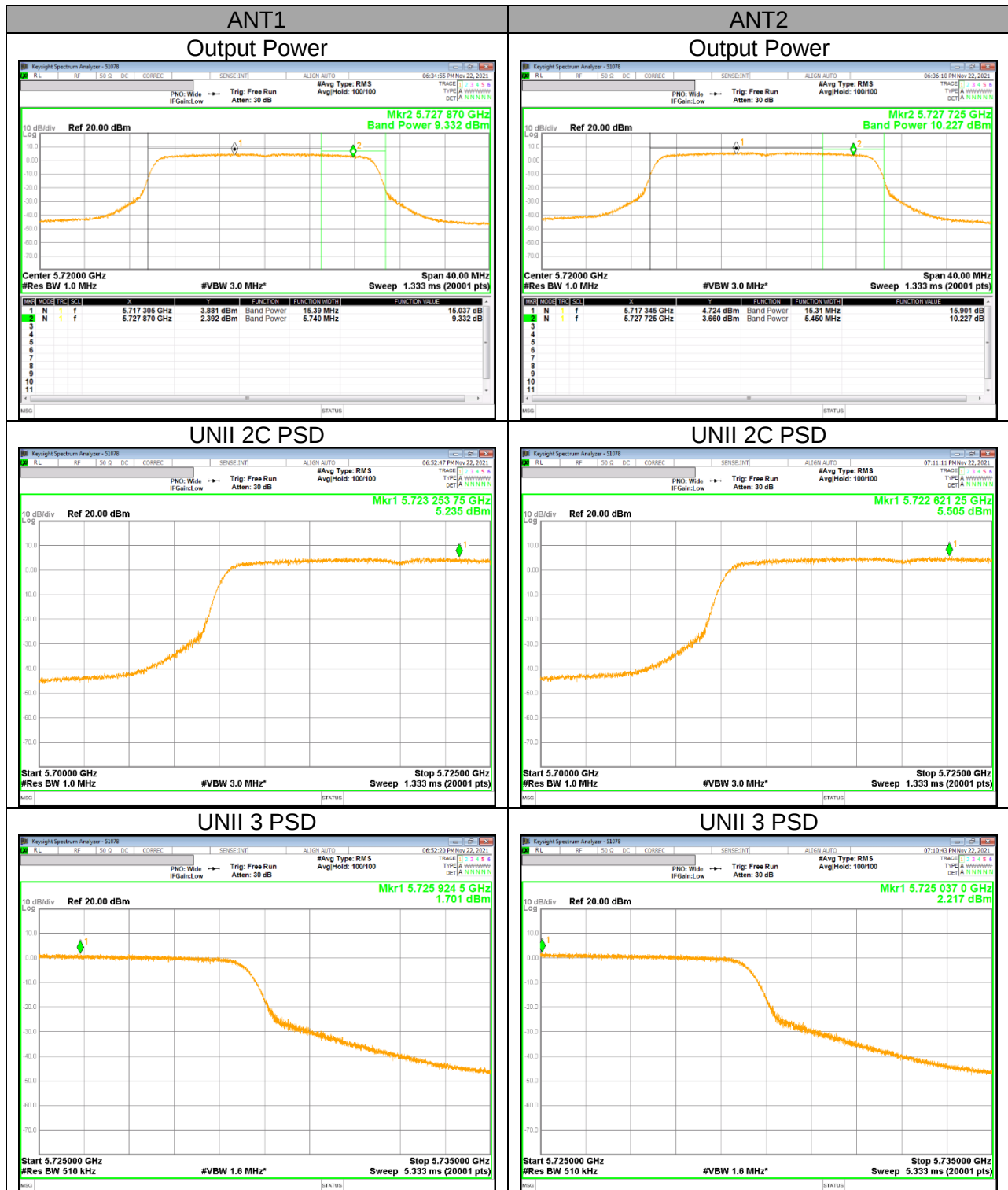
UNII Straddle Ch. IEEE 802.11n HT40 mode Output Power and PSD



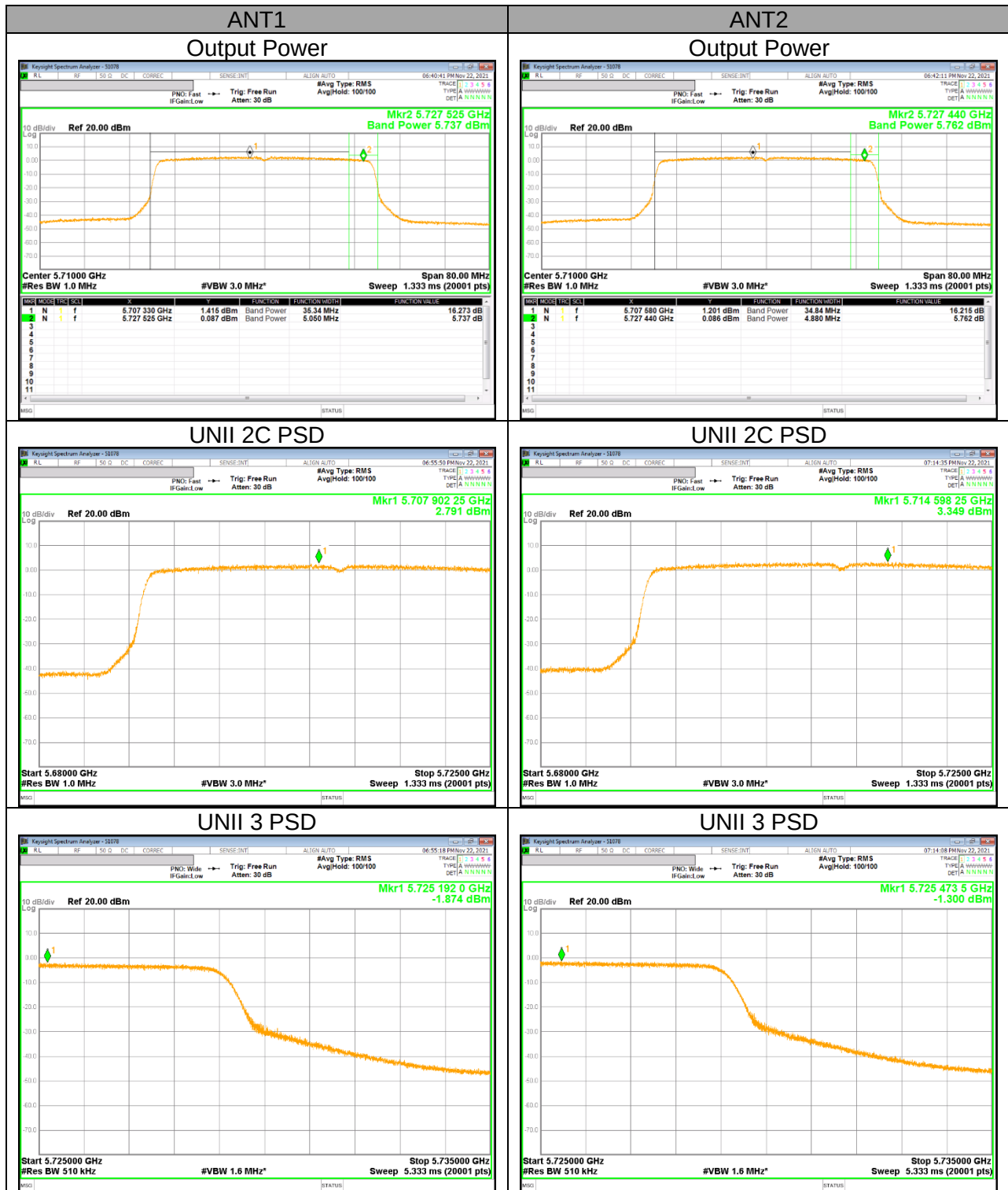
UNII Straddle Ch. IEEE 802.11ac VHT80 mode Output Power and PSD



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



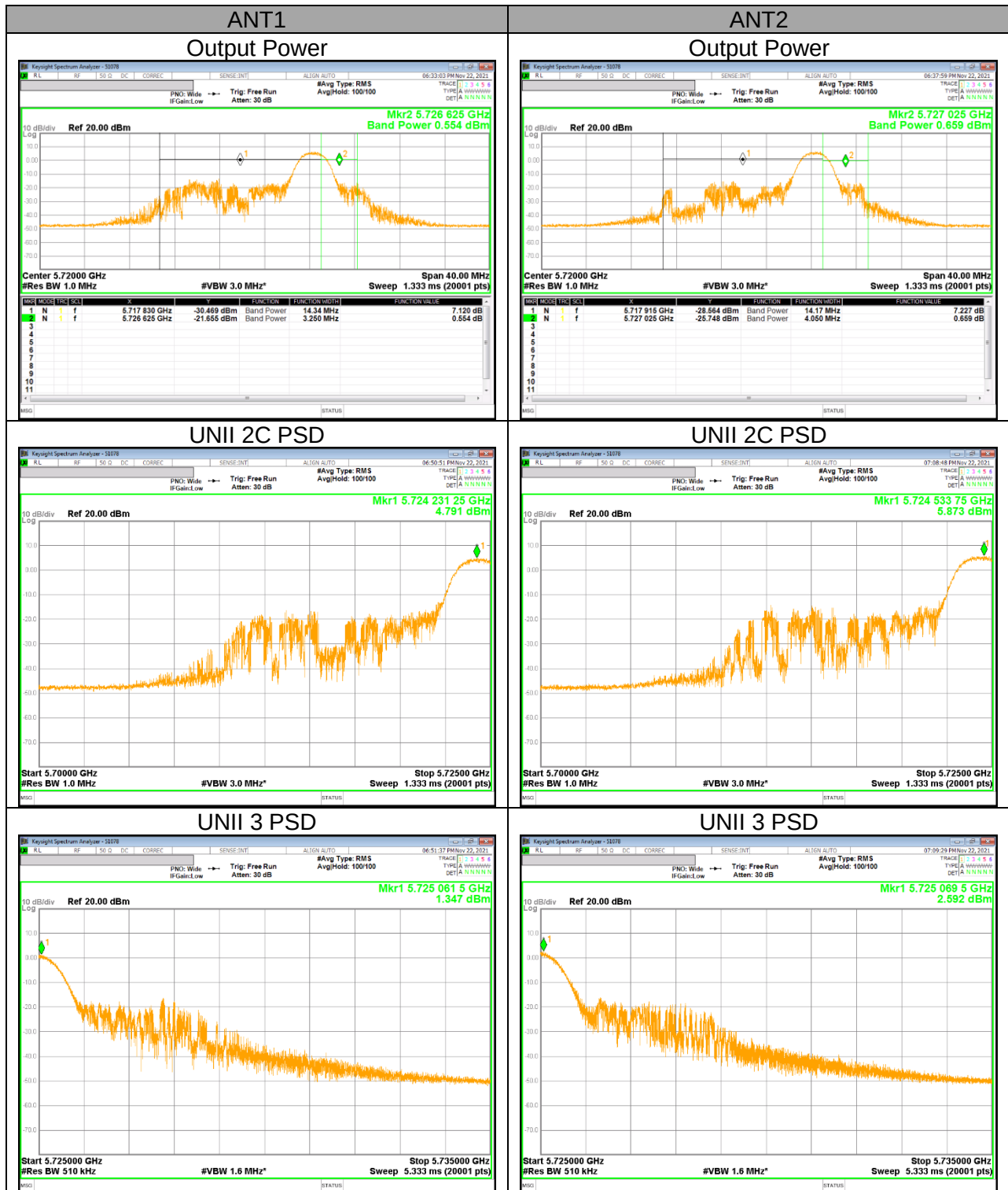
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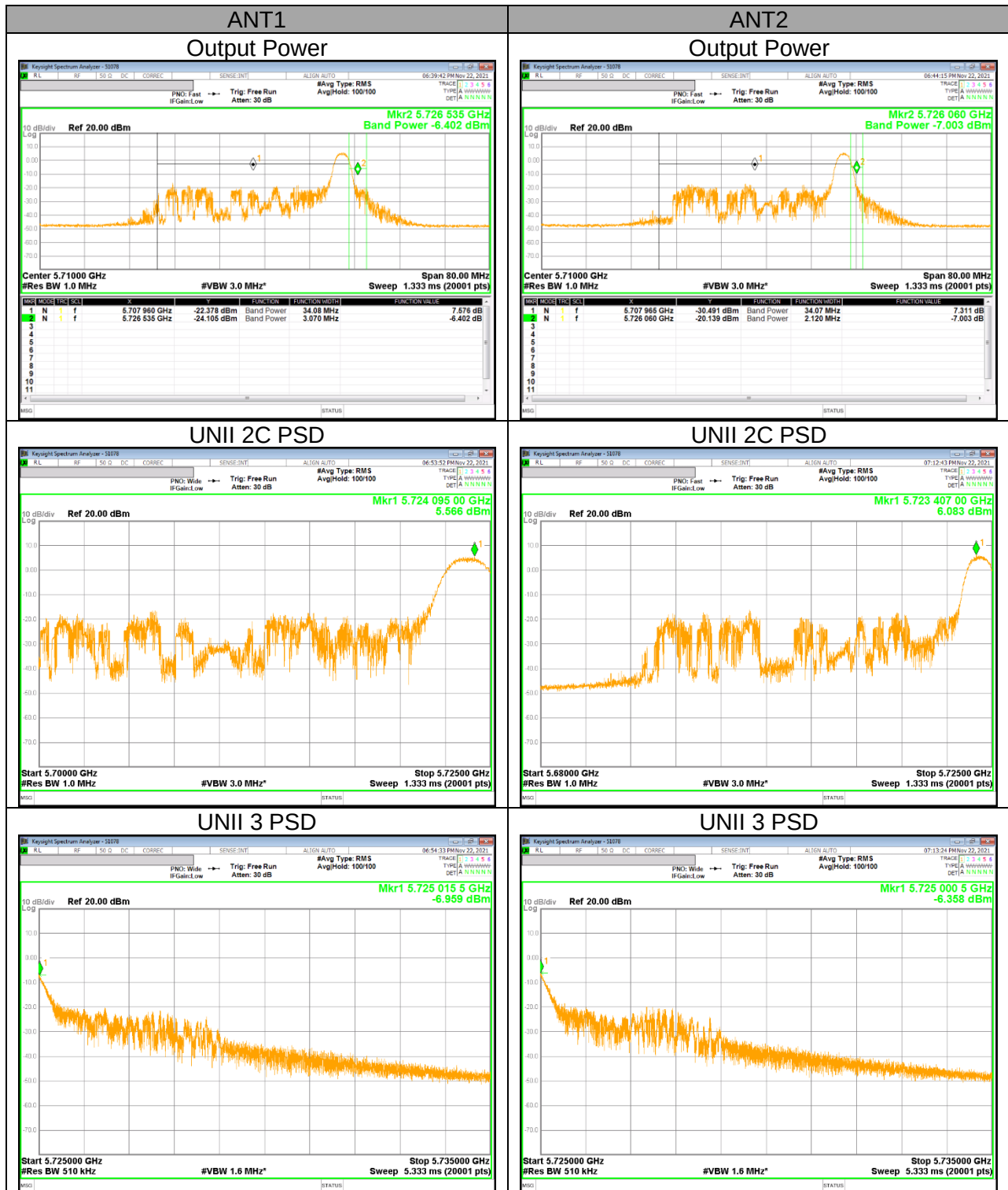
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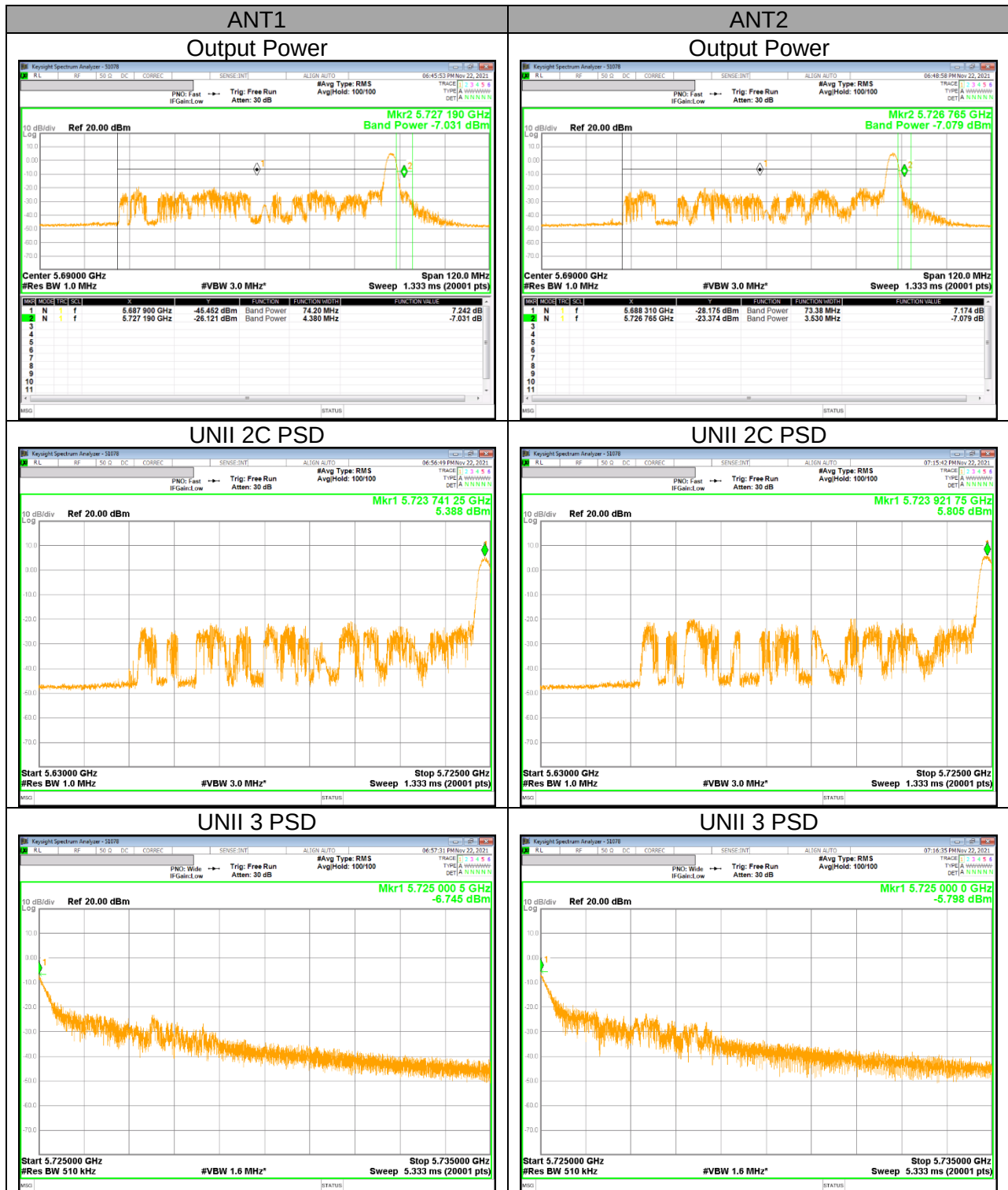
UNII Straddle Ch. IEEE 802.11ax HE20(6RU) mode PSD



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



UNII Straddle Ch. IEEE 802.11ax HE80(34RU) mode 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.

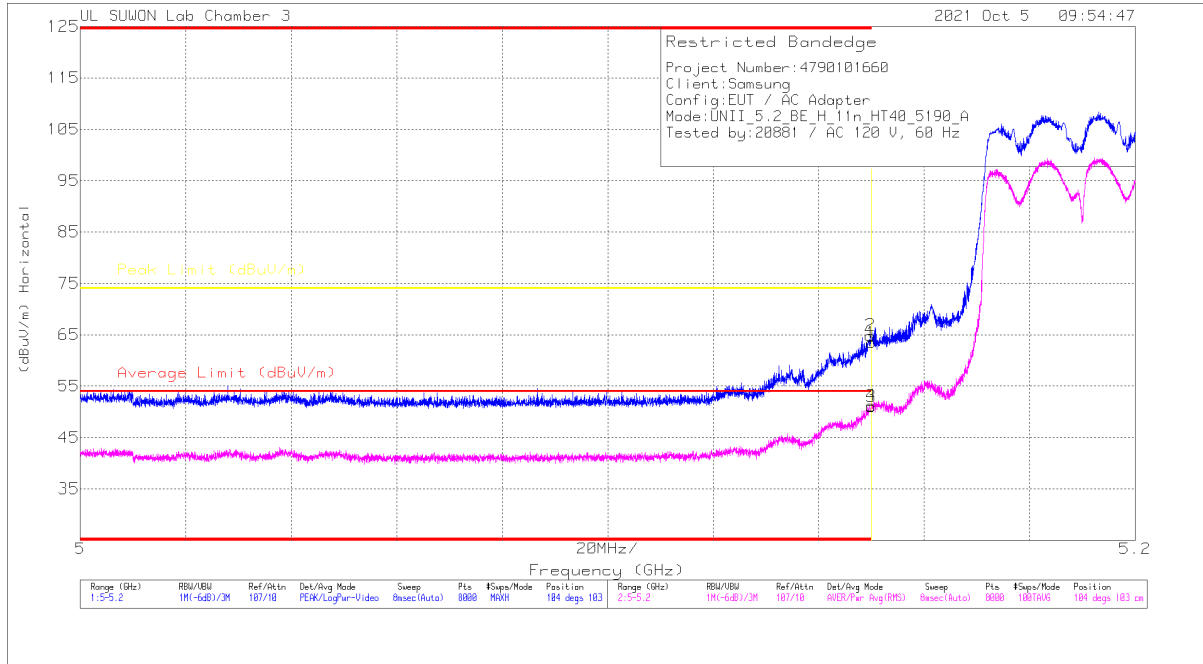
Note : Emission was pre-scanned from 9kHz to 30MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).
Per FCC part 15.31(o), test results were not reported.

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: 802.11n HT40 / 5190 MHz)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_90228957	10dB_ATT(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	49.89	Pk	34.8	-21.2	0	63.49	-	-	74	-10.51	104	103	H
2	* 5.14979	51.27	Pk	34.8	-21.2	0	64.87	-	-	74	-9.13	104	103	H
3	* 5.14999	37.46	RMS	34.8	-21.2	.17	51.23	54	-2.77	-	-	104	103	H
4	* 5.14992	37.62	RMS	34.8	-21.2	.17	51.39	54	-2.61	-	-	104	103	H

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

Pk - Peak detector

RMS - RMS detection

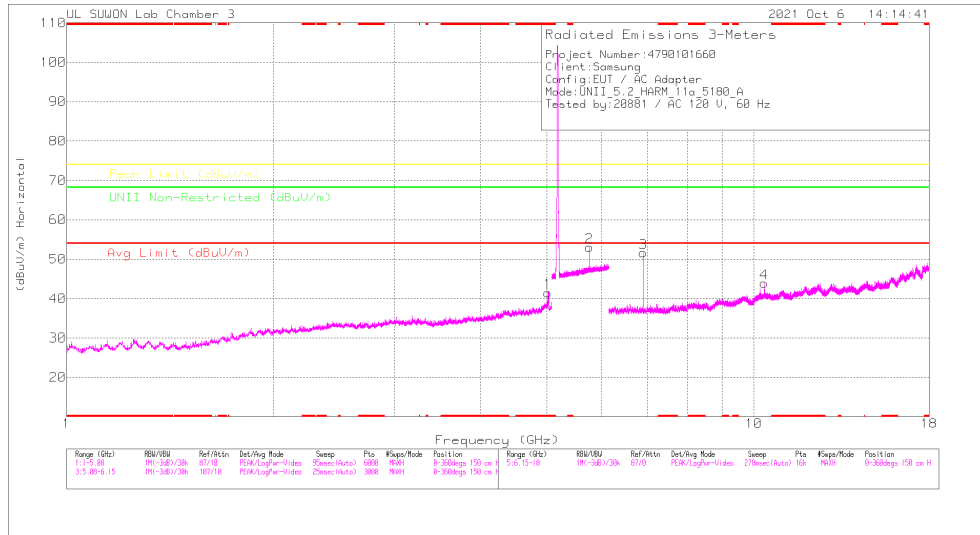
BANDEDGE TEST DATA

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	* 5.14999	42.60	Pk	34.80	-21.20	0.00	56.20	-	-	74.00	-17.80	106	113	H
			* 5.14934	44.36	Pk	34.80	-21.20	0.00	57.96	-	-	74.00	-16.04	106	113	H
			* 5.14999	29.68	RMS	34.80	-21.20	0.15	43.43	54.00	-10.57	-	-	106	113	H
			* 5.14742	30.20	RMS	34.80	-21.10	0.15	44.05	54.00	-9.95	-	-	106	113	H
			* 5.14999	41.90	Pk	34.80	-21.20	0.00	55.50	-	-	74.00	-18.50	91	100	V
			* 5.14897	44.73	Pk	34.80	-21.10	0.00	58.43	-	-	74.00	-15.57	91	100	V
			* 5.14999	29.84	RMS	34.80	-21.20	0.15	43.59	54.00	-10.41	-	-	91	100	V
802.11n (HT20)	5180	MIMO	* 5.14897	30.69	RMS	34.80	-21.10	0.15	44.54	54.00	-9.46	-	-	91	100	V
			* 5.14999	43.50	Pk	34.80	-21.20	0.00	57.10	-	-	74.00	-16.90	72	183	H
			* 5.14972	43.13	Pk	34.80	-21.20	0.00	56.73	-	-	74.00	-17.27	72	183	H
			* 5.14999	30.33	RMS	34.80	-21.20	0.17	44.10	54.00	-9.90	-	-	72	183	H
			* 5.14994	30.64	RMS	34.80	-21.20	0.17	44.41	54.00	-9.59	-	-	72	183	H
			* 5.14999	42.96	Pk	34.80	-21.20	0.00	56.56	-	-	74.00	-17.44	86	134	V
			* 5.14987	43.86	Pk	34.80	-21.20	0.00	57.46	-	-	74.00	-16.54	86	134	V
802.11n (HT40)	5190	MIMO	* 5.14999	29.77	RMS	34.80	-21.20	0.17	43.54	54.00	-10.46	-	-	86	134	V
			* 5.14969	31.20	RMS	34.80	-21.20	0.17	44.97	54.00	-9.03	-	-	86	134	V
			* 5.14999	49.89	Pk	34.80	-21.20	0.00	63.49	-	-	74.00	-10.51	104	103	H
			* 5.14979	51.27	Pk	34.80	-21.20	0.00	64.87	-	-	74.00	-9.13	104	103	H
			* 5.14999	37.46	RMS	34.80	-21.20	0.17	51.23	54.00	-2.77	-	-	104	103	H
			* 5.14992	37.62	RMS	34.80	-21.20	0.17	51.39	54.00	-2.61	-	-	104	103	H
			* 5.14999	47.11	Pk	34.80	-21.20	0.00	60.71	-	-	74.00	-13.29	86	130	V
802.11ac (VHT80)	5210	MIMO	* 5.14974	50.49	Pk	34.80	-21.20	0.00	64.09	-	-	74.00	-9.91	86	130	V
			* 5.14999	35.93	RMS	34.80	-21.20	0.17	49.70	54.00	-4.30	-	-	86	130	V
			* 5.14827	36.50	RMS	34.80	-21.10	0.17	50.37	54.00	-3.63	-	-	86	130	V
			* 5.14999	47.15	Pk	34.80	-21.20	0.00	60.75	-	-	74.00	-13.25	104	103	H
			* 5.14492	47.92	Pk	34.80	-21.20	0.00	61.52	-	-	74.00	-12.48	104	103	H
			* 5.14999	34.79	RMS	34.80	-21.20	0.24	48.63	54.00	-5.37	-	-	104	103	H
			* 5.14734	36.11	RMS	34.80	-21.10	0.24	50.05	54.00	-3.95	-	-	104	103	H
802.11ac (VHT160)	5250 Lower	MIMO	* 5.14999	46.18	Pk	34.80	-21.20	0.00	59.78	-	-	74.00	-14.22	87	101	V
			* 5.14499	49.07	Pk	34.80	-21.20	0.00	62.67	-	-	74.00	-11.33	87	101	V
			* 5.14999	35.74	RMS	34.80	-21.20	0.24	49.58	54.00	-4.42	-	-	87	100	V
			* 5.14689	36.52	RMS	34.80	-21.10	0.24	50.46	54.00	-3.54	-	-	87	100	V
			* 5.14999	48.14	Pk	34.80	-21.20	0.00	61.74	-	-	74.00	-12.26	109	111	H
			* 5.12742	49.83	Pk	34.80	-21.10	0.00	63.53	-	-	74.00	-10.47	109	111	H
			* 5.14999	36.39	RMS	34.80	-21.20	0.29	50.28	54.00	-3.72	-	-	109	111	H
802.11ax (HE20)	5180	MIMO	* 5.14622	37.11	RMS	34.80	-21.10	0.29	51.10	54.00	-2.90	-	-	109	111	H
			* 5.14999	47.91	Pk	34.80	-21.20	0.00	61.51	-	-	74.00	-12.49	86	102	V
			* 5.12754	49.83	Pk	34.80	-21.10	0.00	63.53	-	-	74.00	-10.47	86	102	V
			* 5.14999	35.55	RMS	34.80	-21.20	0.29	49.44	54.00	-4.56	-	-	86	102	V
			* 5.13774	37.34	RMS	34.80	-21.20	0.29	51.23	54.00	-2.77	-	-	86	102	V
			* 5.14999	38.40	Pk	34.80	-21.20	0.00	52.00	-	-	74.00	-22.00	109	113	H
			* 5.14822	40.84	Pk	34.80	-21.10	0.00	54.54	-	-	74.00	-19.46	109	113	H
802.11ax (HE40)	5190	MIMO	* 5.14999	28.63	RMS	34.80	-21.20	0.00	42.23	54.00	-11.77	-	-	109	113	H
			* 5.00777	29.02	RMS	34.70	-21.20	0.00	42.52	54.00	-11.48	-	-	109	113	H
			* 5.14999	39.32	Pk	34.80	-21.20	0.00	52.92	-	-	74.00	-21.08	92	103	V
			* 5.0015	40.55	Pk	34.70	-21.20	0.00	54.05	-	-	74.00	-19.95	92	103	V
			* 5.14999	27.42	RMS	34.80	-21.20	0.00	41.02	54.00	-12.98	-	-	92	103	V
			* 5.00423	29.11	RMS	34.70	-21.20	0.00	42.61	54.00	-11.39	-	-	92	103	V
			* 5.14999	46.88	Pk	34.80	-21.20	0.00	60.48	-	-	74.00	-13.52	109	113	H
802.11ax (HE80)	5210	MIMO	* 5.14967	47.75	Pk	34.80	-21.20	0.00	61.35	-	-	74.00	-12.65	109	113	H
			* 5.14999	34.18	RMS	34.80	-21.20	0.00	47.78	54.00	-6.22	-	-	109	113	H
			* 5.14894	34.30	RMS	34.80	-21.10	0.00	48.00	54.00	-6.00	-	-	109	113	H
			* 5.14999	45.61	Pk	34.80	-21.20	0.00	59.21	-	-	74.00	-14.79	94	100	V
			* 5.14994	49.01	Pk	34.80	-21.20	0.00	62.61	-	-	74.00	-11.39	94	100	V
			* 5.14999	33.66	RMS	34.80	-21.20	0.00	47.26	54.00	-6.74	-	-	94	100	V
			* 5.14987	34.20	RMS	34.80	-21.20	0.00	47.80	54.00	-6.20	-	-	94	100	V
802.11ax (HE160)	5250 Lower	MIMO	* 5.14999	46.92	Pk	34.80	-21.20	0.00	60.52	-	-	74.00	-13.48	109	113	H
			* 5.14459	48.95	Pk	34.80	-21.20	0.00	62.55	-	-	74.00	-11.45	109	113	H
			* 5.14999	35.67	RMS	34.80	-21.20	0.00	49.27	54.00	-4.73	-	-	109	113	H
			* 5.14924	35.98	RMS	34.80	-21.20	0.00	49.58	54.00	-4.42	-	-	109	113	H
			* 5.14999	47.50	Pk	34.80	-21.20	0.00	61.10	-	-	74.00	-12.90	93	100	V
			* 5.14764	48.95	Pk	34.80	-21.10	0.00	62.65	-	-	74.00	-11.35	93	100	V
			* 5.14999	34.19	RMS	34.80	-21.20	0.00	47.79	54.00	-6.21	-	-	93	100	V
802.11ax (HE160)	5250 Lower	MIMO	* 5.14909	35.68	RMS	34.80	-21.10	0.00	49.38	54.00	-4.62	-	-	93	100	V
			* 5.14999	45.86	Pk	34.80	-21.20	0.00	59.46	-	-	74.00	-14.54	107	114	H
			* 5.11711	48.94	Pk	34.80	-21.10	0.00	62.64	-	-	74.00	-11.36	107	114	H
			* 5.14999	35.83	RMS	34.80	-21.20	0.00	49.43	54.00	-4.57	-	-	107	114	H
			* 5.14204	36.30	RMS	34.80	-21.10	0.00	50.00	54.00	-4.00	-	-	107	114	H
			* 5.14999	46.81	Pk	34.80	-21.20	0.00	60.41	-	-	74.00	-13.59	91	101	V
			* 5.13574	48.74	Pk	34.80	-21.20	0.00	62.34	-	-	74.00	-11.66	91	101	V
802.11ax (HE160)	5250 Lower	MIMO	* 5.14999	35.91	RMS	34.80	-21.20	0.00	49.51	54.00	-4.49	-	-	91	100	V
			* 5.13387	36.42	RMS	34.80	-21.10	0.00	50.12	54.00	-3.88	-	-	91	100	V

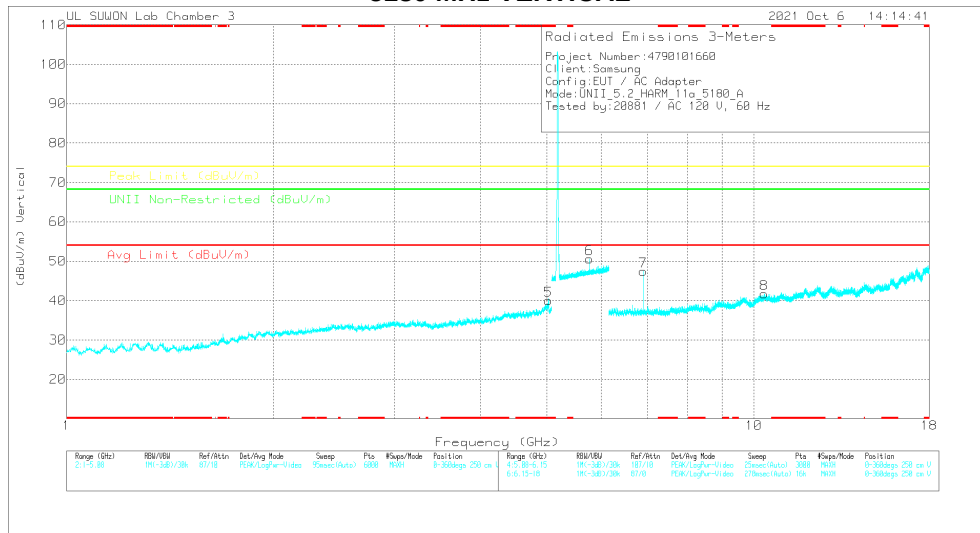
Note1. Pk - Peak detector, RMS - RMS detector

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

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11a / 5180 MHz) **5180 MHz HORIZONTAL**



5180 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.

5180 MHz DATA

Radiated Emissions

Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00218957	5GHz_H19dB	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
* 5.02374	45.7	PK-U	34.7	-28.4	0	52	-	-	74	-22	-	-	68	132	H
* 5.02224	44.39	PK-U	34.7	-28.3	0	50.78	-	-	74	-23.22	-	-	91	158	V
* 5.02426	35.17	ADR	34.7	-28.4	-15	41.62	54	-12.38	-	-	-	-	68	133	H
* 5.02228	33.71	ADR	34.7	-28.3	-15	40.26	54	-13.74	-	-	-	-	91	158	V

Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00218957	10dB_ATT9dB	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
5.75999	44.08	PK-U	35.7	-19.9	0	59.88	-	-	-	-	68.2	-8.32	106	121	H
5.76032	43.71	PK-U	35.7	-19.9	0	59.51	-	-	-	-	68.2	-8.69	86	100	V

Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00218957	5GHz_H19dB	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
6.90665	46.46	PK-U	36.2	-26.8	0	55.86	-	-	-	-	68.2	-12.34	104	132	H
6.90679	44.02	PK-U	36.2	-26.9	0	53.32	-	-	-	-	68.2	-14.88	86	214	V
10.36081	37.22	PK-U	38.1	-21.3	0	54.02	-	-	-	-	68.2	-14.18	101	136	H
10.36948	36.52	PK-U	38.1	-21.3	0	53.32	-	-	-	-	68.2	-14.88	337	123	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	* 5.02374	45.70	PK-U	34.70	-28.40	0.00	52.00	-	-	74.00	-22.00	-	-	68	132	H
			* 5.02224	44.38	PK-U	34.70	-28.30	0.00	50.78	-	-	74.00	-23.22	-	-	91	158	V
			* 5.02426	35.17	ADR	34.70	-28.40	0.15	41.62	54.00	-12.38	-	-	-	-	68	133	H
			* 5.02228	33.71	ADR	34.70	-28.30	0.15	40.26	54.00	-13.74	-	-	-	-	91	158	V
			5.760	44.08	PK-U	35.70	-19.90	0.00	59.88	-	-	-	-	68.20	-8.32	106	121	H
			5.760	43.71	PK-U	35.70	-19.90	0.00	59.51	-	-	-	-	68.20	-8.69	86	100	V
			6.907	46.46	PK-U	36.20	-26.80	0.00	55.86	-	-	-	-	68.20	-12.34	104	132	H
			6.907	44.02	PK-U	36.20	-26.90	0.00	53.32	-	-	-	-	68.20	-14.88	86	214	V
			10.361	37.22	PK-U	38.10	-21.30	0.00	54.02	-	-	-	-	68.20	-14.18	101	136	H
			10.359	36.52	PK-U	38.10	-21.30	0.00	53.32	-	-	-	-	68.20	-14.88	337	123	V
802.11a	5200	MIMO	* 5.04776	45.44	PK-U	34.70	-29.00	0.00	51.14	-	-	74.00	-22.86	-	-	68	202	H
			* 5.05188	44.21	PK-U	34.70	-29.00	0.00	49.91	-	-	74.00	-24.09	-	-	92	152	V
			* 5.05316	34.18	ADR	34.70	-29.00	0.15	40.03	54.00	-13.97	-	-	-	-	68	202	H
			* 5.05233	33.44	ADR	34.70	-28.90	0.15	39.39	54.00	-14.61	-	-	-	-	92	152	V
			5.760	42.16	PK-U	35.70	-19.90	0.00	57.96	-	-	-	-	68.20	-10.24	0	100	H
			5.761	41.30	PK-U	35.70	-20.00	0.00	57.00	-	-	-	-	68.20	-11.20	0	100	V
			6.933	45.13	PK-U	36.20	-26.70	0.00	54.63	-	-	-	-	68.20	-13.57	101	122	H
			6.933	44.45	PK-U	36.20	-26.70	0.00	53.95	-	-	-	-	68.20	-14.25	87	214	V
			10.401	37.37	PK-U	38.10	-21.40	0.00	54.07	-	-	-	-	68.20	-14.13	99	132	H
			10.402	34.82	PK-U	38.10	-21.40	0.00	51.52	-	-	-	-	68.20	-16.68	338	396	V
802.11a	5240	MIMO	* 5.07852	43.57	PK-U	34.80	-27.30	0.00	51.07	-	-	74.00	-22.93	-	-	104	258	H
			* 5.07937	42.95	PK-U	34.80	-27.10	0.00	50.65	-	-	74.00	-23.35	-	-	86	111	V
			* 5.07953	32.65	ADR	34.80	-27.10	0.15	40.50	54.00	-13.50	-	-	-	-	104	258	H
			* 5.07937	31.86	ADR	34.80	-27.10	0.15	39.71	54.00	-14.29	-	-	-	-	86	111	V
			5.760	41.08	PK-U	35.70	-19.90	0.00	56.88	-	-	-	-	68.20	-11.32	0	100	H
			5.760	41.27	PK-U	35.70	-19.90	0.00	57.07	-	-	-	-	68.20	-11.13	0	100	V
			6.987	45.03	PK-U	36.20	-26.40	0.00	54.83	-	-	-	-	68.20	-13.37	103	125	H
			6.987	43.71	PK-U	36.20	-26.40	0.00	53.51	-	-	-	-	68.20	-14.69	88	217	V
			10.480	38.77	PK-U	38.20	-21.50	0.00	55.47	-	-	-	-	68.20	-12.73	101	134	H
			10.480	35.44	PK-U	38.20	-21.50	0.00	52.14	-	-	-	-	68.20	-16.06	335	119	V
802.11n (HT20) Spot-Check	5180	MIMO	* 5.02256	45.30	PK-U	34.70	-28.30	0.00	51.70	-	-	74.00	-22.30	-	-	68	120	H
			* 5.02232	44.60	PK-U	34.70	-28.30	0.00	51.00	-	-	74.00	-23.00	-	-	89	101	V
			* 5.02224	34.90	ADR	34.70	-28.30	0.17	41.47	54.00	-12.53	-	-	-	-	68	120	H
			* 5.02172	34.07	ADR	34.70	-28.40	0.17	40.54	54.00	-13.46	-	-	-	-	89	101	V
			5.760	41.79	PK-U	35.70	-19.90	0.00	57.59	-	-	-	-	68.20	-10.61	0	100	H
			5.767	41.79	PK-U	35.70	-19.80	0.00	57.69	-	-	-	-	68.20	-10.51	0	100	V
			6.907	45.56	PK-U	36.20	-26.90	0.00	54.86	-	-	-	-	68.20	-13.34	76	116	H
			6.907	45.09	PK-U	36.20	-26.90	0.00	54.39	-	-	-	-	68.20	-13.81	89	212	V
			10.360	38.22	PK-U	38.10	-21.30	0.00	55.02	-	-	-	-	68.20	-13.18	103	137	H
			10.361	35.44	PK-U	38.10	-21.30	0.00	52.24	-	-	-	-	68.20	-15.96	333	399	V
802.11n (HT40) Spot-Check	5190	MIMO	* 5.05229	45.24	PK-U	34.70	-28.90	0.00	51.04	-	-	74.00	-22.96	-	-	67	121	H
			* 5.05127	34.27	ADR	34.70	-29.10	0.17	40.04	54.00	-13.96	-	-	-	-	67	121	H
			* 5.05125	44.64	PK-U	34.70	-29.10	0.00	50.24	-	-	74.00	-23.76	-	-	97	162	V
			* 5.04997	33.68	ADR	34.70	-29.00	0.17	39.55	54.00	-14.45	-	-	-	-	97	162	V
			5.757	41.47	PK-U	35.70	-19.80	0.00	57.37	-	-	-	-	68.20	-10.83	0	100	H
			5.763	41.50	PK-U	35.70	-19.90	0.00	57.30	-	-	-	-	68.20	-10.90	0	100	V
			6.920	45.76	PK-U	36.20	-26.80	0.00	55.16	-	-	-	-	68.20	-13.04	73	120	H
			6.920	44.21	PK-U	36.20	-26.80	0.00	53.61	-	-	-	-	68.20	-14.59	88	213	V
			10.375	34.57	PK-U	38.10	-21.30	0.00	51.37	-	-	-	-	68.20	-16.83	0	100	H
			10.389	34.91	PK-U	38.10	-21.40	0.00	51.61	-	-	-	-	68.20	-16.59	0	100	V
802.11ac (VHT80) Spot-Check	5210	MIMO	6.947	44.96	PK-U	36.20	-26.50	0.00	54.66	-	-	-	-	68.20	-13.54	105	118	H
			6.947	43.63	PK-U	36.20	-26.50	0.00	53.33	-	-	-	-	68.20	-14.87	89	211	V
			10.412	34.15	PK-U	38.10	-21.50	0.00	50.75	-	-	-	-	68.20	-17.45	0	100	H
			10.415	34.28	PK-U	38.10	-21.40	0.00	50.98	-	-	-	-	68.20	-17.22	0	100	V
			* 15.62095	34.56	PK-U	40.30	-21.60	0.00	53.26	-	-	74.00	-20.74	-	-	0	100	H
			* 15.63155	34.19	PK-U	40.40	-21.60	0.00	52.99	-	-	74.00	-21.01	-	-	0	100	V
			5.760	41.01	PK-U	35.70	-19.90	0.00	56.81	-	-	-	-	68.20	-11.39	0	100	H
			5.752	41.33	PK-U	35.70	-20.00	0.00	57.03	-	-	-	-	68.20	-11.17	0	100	V
			7.000	45.29	PK-U	36.20	-26.30	0.00	55.19	-	-	-	-	68.20	-13.01	104	122	H
			7.000	43.70	PK-U	36.20	-26.30	0.00	53.60	-	-	-	-	68.20	-14.60	92	213	V
802.11ac (VHT160) Spot-Check	5250	MIMO	10.496	34.25	PK-U	38.20	-21.50	0.00	50.95	-	-	-	-	68.20	-17.25	0	100	H
			10.498	33.96	PK-U	38.20	-21.50	0.00	50.66	-	-	-	-	68.20	-17.54	0	100	V
802.11ax (HE20) 4RU Spot-Check	5180	MIMO	* 5.02549	48.59	PK-U	34.70	-28.40	0.00	54.89	-	-	74.00	-19.11	-	-	109	136	H
			* 5.02571	37.66	ADR	34.70	-28.40	0.00	43.96	54.00	-10.04	-	-	-	-	109	136	H
			* 5.02543	47.28	PK-U	34.70	-28.40	0.00	53.58	-	-	74.00	-20.42	-	-	82	253	V
			* 5.02557	35.54	ADR	34.70	-28.40	0.00	41.84	54.00	-12.16	-	-	-	-	82	253	V
			5.760	43.98	PK-U	35.70	-19.90	0.00	59.78	-	-	-	-	68.20	-8.42	106	113	H
			5.760	43.84	PK-U	35.70	-19.90	0.00	59.64	-	-	-	-	68.20	-8.56	91	100	V
			6.907	46.76	PK-U	36.20	-26.80	0.00	55.17	-	-	-	-	68.20	-13.03	123	104	H
			10.361	34.70	PK-U	38.10	-21.30	0.00	51.50	-	-	-	-	68.20	-16.70	0	100	H
			10.357	34.68	PK-U	38.10	-21.30	0.00	51.48	-	-	-	-	68.20	-16.72	0	100	V

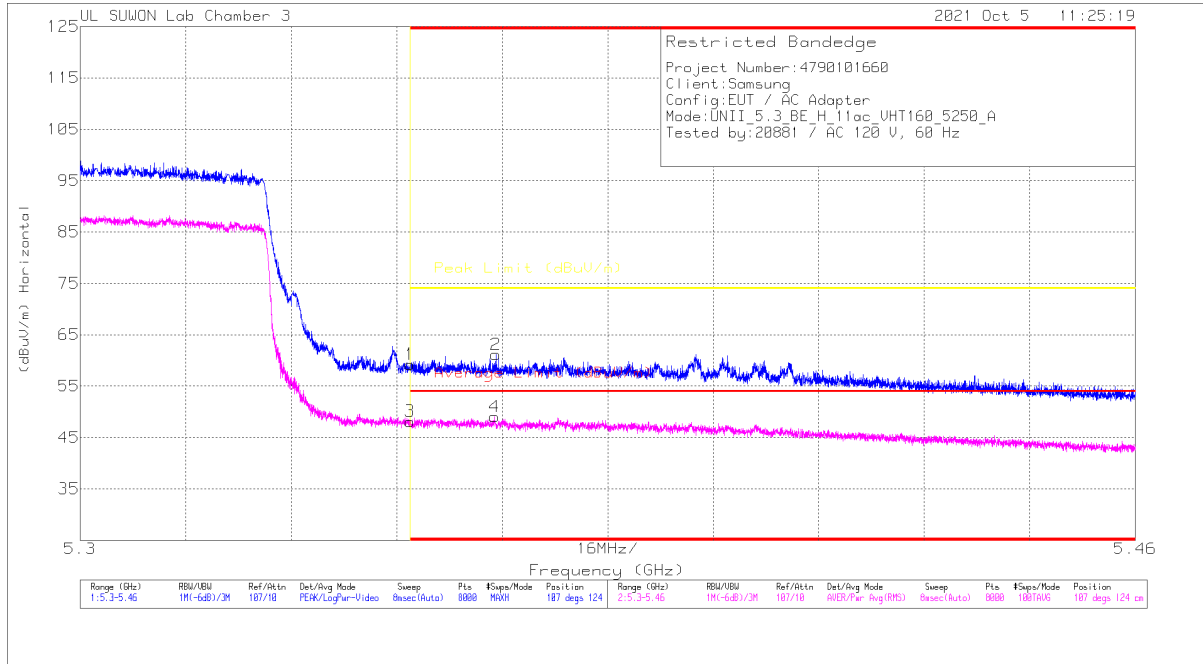
Note1. PK-U - U-NII: Maximum Peak

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 VHT160 / 5250 MHz UPPER SIDE)

HORIZONTAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Marker 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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	44.82	Pk	35.1	-20.7	0	59.22	-	-	74	-14.78	107	124	H
2	* 5.36303	46.74	Pk	35.1	-20.7	0	61.14	-	-	74	-12.86	107	124	H
3	* 5.35001	33.44	RMS	35.1	-20.7	29	48.13	54	-5.87	-	-	107	124	H
4	* 5.36283	34.35	RMS	35.1	-20.7	29	49.04	54	-4.96	-	-	107	124	H

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

Pk - Peak detector

RMS - RMS detection

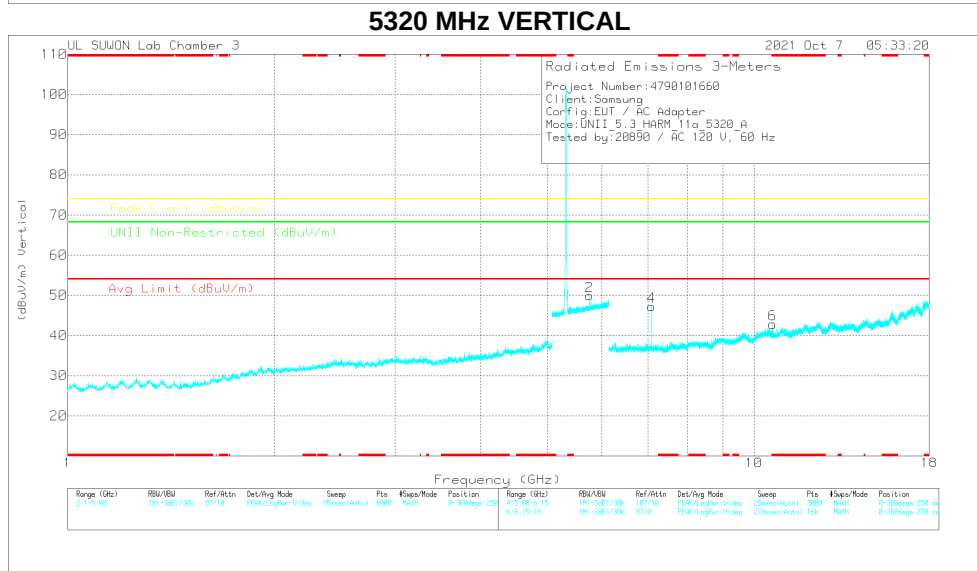
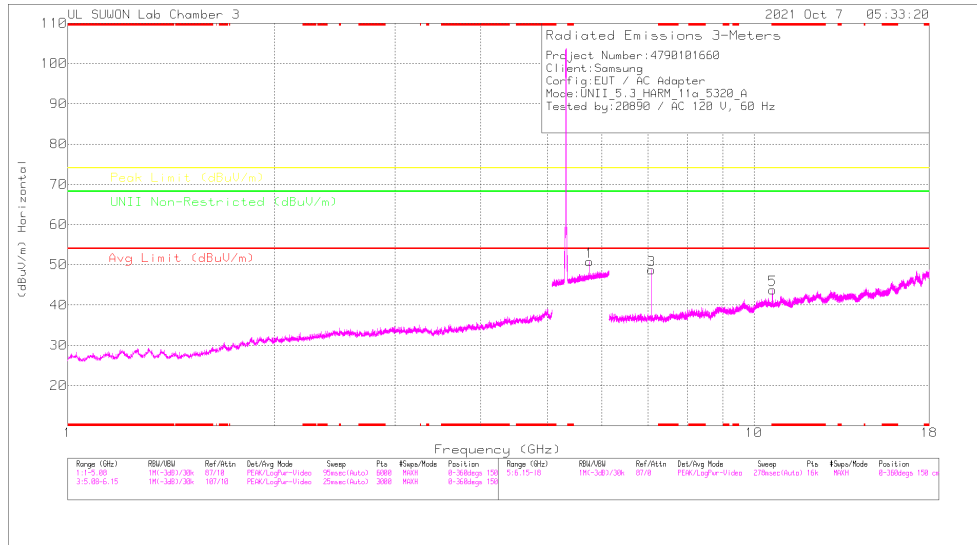
BANDEDGE TEST DATA

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	* 5.35001	39.75	Pk	35.10	-20.70	0.00	54.15	-	-	74.00	-19.85	107	102	H
			* 5.35079	42.29	Pk	35.10	-20.70	0.00	56.69	-	-	74.00	-17.31	107	102	H
			* 5.35001	28.13	RMS	35.10	-20.70	0.15	42.68	54.00	-11.32	-	-	107	102	H
			* 5.35051	29.75	RMS	35.10	-20.70	0.15	44.30	54.00	-9.70	-	-	107	102	H
			* 5.35001	41.12	Pk	35.10	-20.70	0.00	55.52	-	-	74.00	-18.48	91	142	V
			* 5.35007	41.39	Pk	35.10	-20.70	0.00	55.79	-	-	74.00	-18.21	91	142	V
802.11n (HT20)	5320	MIMO	* 5.35001	28.78	RMS	35.10	-20.70	0.15	43.33	54.00	-10.67	-	-	91	142	V
			* 5.35109	29.82	RMS	35.10	-20.80	0.15	44.27	54.00	-9.73	-	-	91	142	V
			* 5.35001	40.91	Pk	35.10	-20.70	0.00	55.31	-	-	74.00	-18.69	71	155	H
			* 5.35013	42.49	Pk	35.10	-20.70	0.00	56.89	-	-	74.00	-17.11	71	155	H
			* 5.35001	29.38	RMS	35.10	-20.70	0.17	43.95	54.00	-10.05	-	-	71	155	H
			* 5.35015	29.68	RMS	35.10	-20.70	0.17	44.25	54.00	-9.75	-	-	71	155	H
802.11n (HT40)	5310	MIMO	* 5.35001	39.25	Pk	35.10	-20.70	0.00	53.65	-	-	74.00	-20.35	85	117	V
			* 5.41554	40.50	Pk	35.20	-20.70	0.00	55.00	-	-	74.00	-19.00	85	117	V
			* 5.35001	28.59	RMS	35.10	-20.70	0.17	43.16	54.00	-10.84	-	-	85	117	V
			* 5.35037	29.11	RMS	35.10	-20.70	0.17	43.68	54.00	-10.32	-	-	85	117	V
			* 5.35001	44.26	Pk	35.10	-20.70	0.00	58.66	-	-	74.00	-15.34	71	155	H
			* 5.35005	44.82	Pk	35.10	-20.70	0.00	59.22	-	-	74.00	-14.78	71	155	H
802.11ac (VHT80)	5290	MIMO	* 5.35001	32.36	RMS	35.10	-20.70	0.17	46.93	54.00	-7.07	-	-	71	155	H
			* 5.35017	33.26	RMS	35.10	-20.70	0.17	47.83	54.00	-6.17	-	-	71	155	H
			* 5.35001	43.75	Pk	35.10	-20.70	0.00	58.15	-	-	74.00	-15.85	87	117	V
			* 5.35031	44.96	Pk	35.10	-20.70	0.00	59.36	-	-	74.00	-14.64	87	117	V
			* 5.35001	30.78	RMS	35.10	-20.70	0.17	45.35	54.00	-8.65	-	-	87	117	V
			* 5.35023	31.55	RMS	35.10	-20.70	0.17	46.12	54.00	-7.88	-	-	87	117	V
802.11ac (VHT160)	5250 Upper	MIMO	* 5.35001	43.39	Pk	35.10	-20.70	0.00	57.79	-	-	74.00	-16.21	107	126	H
			* 5.35011	44.87	Pk	35.10	-20.70	0.00	59.27	-	-	74.00	-14.73	107	126	H
			* 5.35001	32.06	RMS	35.10	-20.70	0.24	46.70	54.00	-7.30	-	-	107	126	H
			* 5.35389	32.58	RMS	35.10	-20.70	0.24	47.22	54.00	-6.78	-	-	107	126	H
			* 5.35001	40.85	Pk	35.10	-20.70	0.00	55.25	-	-	74.00	-18.75	89	101	V
			* 5.35027	43.52	Pk	35.10	-20.70	0.00	57.92	-	-	74.00	-16.08	89	101	V
802.11ax (HE20)	5320	MIMO	* 5.35001	30.87	RMS	35.10	-20.70	0.24	45.51	54.00	-8.49	-	-	89	100	V
			* 5.35337	31.14	RMS	35.10	-20.70	0.24	45.78	54.00	-8.22	-	-	89	100	V
			* 5.35001	44.82	Pk	35.10	-20.70	0.00	59.22	-	-	74.00	-14.78	107	124	H
			* 5.36303	46.74	Pk	35.10	-20.70	0.00	61.14	-	-	74.00	-12.86	107	124	H
			* 5.35001	33.44	RMS	35.10	-20.70	0.29	48.13	54.00	-5.87	-	-	107	124	H
			* 5.36283	34.35	RMS	35.10	-20.70	0.29	49.04	54.00	-4.96	-	-	107	124	H
802.11ax (HE40)	5310	MIMO	* 5.35001	44.10	Pk	35.10	-20.70	0.00	58.50	-	-	74.00	-15.50	93	101	V
			* 5.35481	45.93	Pk	35.10	-20.70	0.00	60.33	-	-	74.00	-13.67	93	101	V
			* 5.35001	32.45	RMS	35.10	-20.70	0.29	47.14	54.00	-6.86	-	-	93	100	V
			* 5.37081	33.73	RMS	35.10	-20.70	0.29	48.42	54.00	-5.58	-	-	93	100	V
			* 5.35001	42.96	Pk	35.10	-20.70	0.00	57.36	-	-	74.00	-16.64	108	124	H
			* 5.35003	44.28	Pk	35.10	-20.70	0.00	58.68	-	-	74.00	-15.32	108	124	H
802.11ax (HE80)	5290	MIMO	* 5.35001	29.60	RMS	35.10	-20.70	0.00	44.00	54.00	-10.00	-	-	108	124	H
			* 5.35079	30.26	RMS	35.10	-20.70	0.00	44.66	54.00	-9.34	-	-	108	124	H
			* 5.35001	42.21	Pk	35.10	-20.70	0.00	56.61	-	-	74.00	-17.39	92	101	V
			* 5.35019	43.51	Pk	35.10	-20.70	0.00	57.91	-	-	74.00	-16.09	92	101	V
			* 5.35001	29.28	RMS	35.10	-20.70	0.00	43.69	54.00	-10.31	-	-	92	100	V
			* 5.35039	29.94	RMS	35.10	-20.70	0.00	44.34	54.00	-9.66	-	-	92	100	V
802.11ax (HE160)	5250 Upper	MIMO	* 5.35001	44.39	Pk	35.10	-20.70	0.00	58.79	-	-	74.00	-15.21	107	111	H
			* 5.35239	47.02	Pk	35.10	-20.80	0.00	61.32	-	-	74.00	-12.68	107	111	H
			* 5.35001	32.23	RMS	35.10	-20.70	0.00	46.63	54.00	-7.37	-	-	107	111	H
			* 5.35045	33.40	RMS	35.10	-20.70	0.00	47.80	54.00	-6.20	-	-	107	111	H
			* 5.35001	45.30	Pk	35.10	-20.70	0.00	59.70	-	-	74.00	-14.30	92	100	V
			* 5.35037	46.62	Pk	35.10	-20.70	0.00	61.02	-	-	74.00	-12.98	92	100	V
802.11ax (HE20)	5290	MIMO	* 5.35001	31.23	RMS	35.10	-20.70	0.00	45.63	54.00	-8.37	-	-	92	100	V
			* 5.35037	32.45	RMS	35.10	-20.70	0.00	46.85	54.00	-7.15	-	-	92	100	V
			* 5.35001	45.07	Pk	35.10	-20.70	0.00	59.47	-	-	74.00	-14.53	107	115	H
			* 5.35589	48.30	Pk	35.10	-20.70	0.00	62.70	-	-	74.00	-11.30	107	115	H
			* 5.35001	32.68	RMS	35.10	-20.70	0.00	47.08	54.00	-6.92	-	-	107	115	H
			* 5.35269	34.21	RMS	35.10	-20.80	0.00	48.51	54.00	-5.49	-	-	107	115	H
802.11ax (HE160)	5250 Upper	MIMO	* 5.35001	43.74	Pk	35.10	-20.70	0.00	58.14	-	-	74.00	-15.86	88	101	V
			* 5.36361	47.69	Pk	35.10	-20.70	0.00	62.09	-	-	74.00	-11.91	88	101	V
			* 5.35001	32.14	RMS	35.10	-20.70	0.00	46.54	54.00	-7.46	-	-	88	100	V
			* 5.35341	33.50	RMS	35.10	-20.70	0.00	47.90	54.00	-6.10	-	-	88	100	V
			* 5.35001	43.17	Pk	35.10	-20.70	0.00	57.57	-	-	74.00	-16.43	108	115	H
			* 5.37787	46.76	Pk	35.20	-20.80	0.00	61.16	-	-	74.00	-12.84	108	115	H
802.11ax (HE160)	5250 Upper	MIMO	* 5.35001	33.63	RMS	35.10	-20.70	0.00	48.03	54.00	-5.97	-	-	108	115	H
			* 5.36965	34.31	RMS	35.10	-20.70	0.00	48.71	54.00	-5.29	-	-	108	115	H
			* 5.35001	43.52	Pk	35.10	-20.70	0.00	57.92	-	-	74.00	-16.08	89	101	V
			* 5.35759	47.58	Pk	35.10	-20.70	0.00	61.98	-	-	74.00	-12.02	89	101	V
			* 5.35001	33.17	RMS	35.10	-20.70	0.00	47.57	54.00	-6.43	-	-	89	100	V
			* 5.35285	33.93	RMS	35.10	-20.70	0.00	48.33	54.00	-5.67	-	-	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: 802.11a / 5320 MHz) **5320 MHz HORIZONTAL**



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

5320 MHz DATA

Radiated Emissions

Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00208507	50Hz_HFdB	DC Cor (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Feet)	Height (cm)	Polarity
5.76113	42.41	PK-U	35.7	-20	0	58.11	-	-	-	-	68.2	-10.09	0	100	H
5.76997	41.02	PK-U	35.7	-19.8	0	56.92	-	-	-	-	68.2	-11.28	0	100	V

Frequency (GHz)	Meas Reading (dBuV)	Det	3117_00208507	50Hz_HFdB	DC Cor (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Altitude (Feet)	Height (cm)	Polarity
7.09325	43.47	PK-U	36.2	-26.4	0	53.27	-	-	-	-	68.2	-14.93	103	115	H
7.09333	42.96	PK-U	36.2	-26.4	0	52.76	-	-	-	-	68.2	-15.44	93	214	V
* 10.64113	39.92	PK-U	38.3	-21.5	0	56.72	-	-	74	-17.28	-	-	101	127	H
* 10.64077	28.51	ADR	38.3	-21.5	.15	45.46	54	-8.54	-	-	-	-	101	127	H
* 10.64093	36.32	PK-U	38.3	-21.5	0	53.12	-	-	74	-20.88	-	-	50	100	V
* 10.64055	24.56	ADR	38.3	-21.5	.15	41.91	54	-12.49	-	-	-	-	50	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

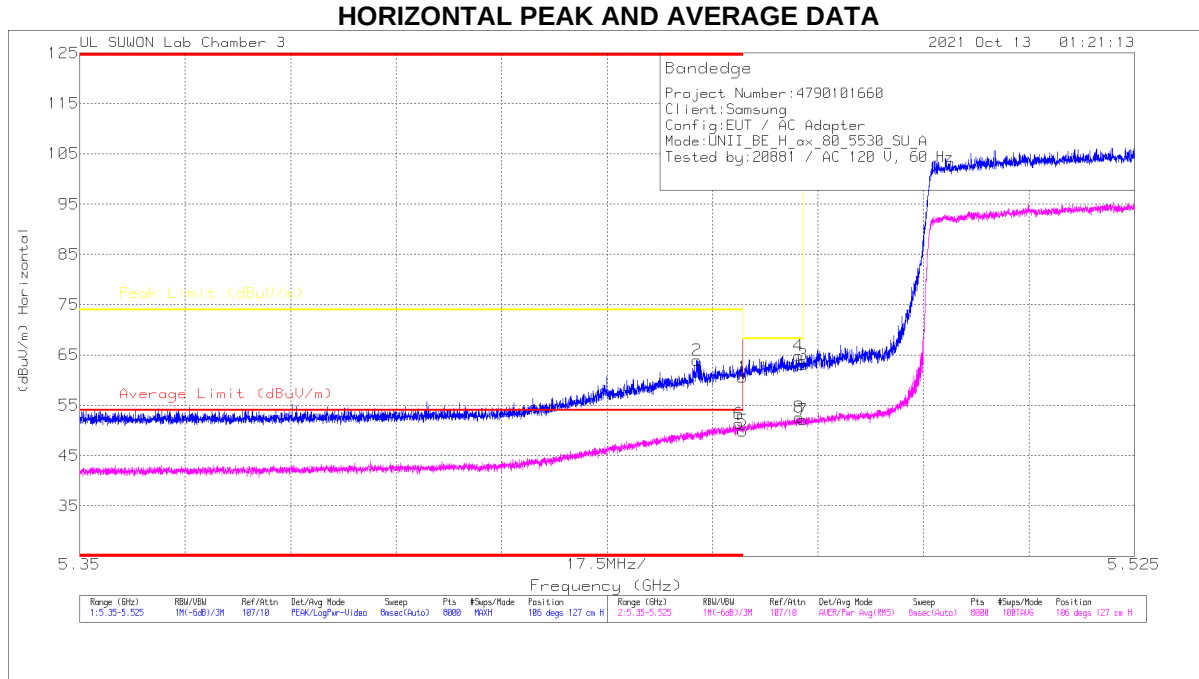
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBμV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	PK Limit [dBμV/m]	PK Margin [dB]	Non-Restricted [dBμV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5260	MIMO	5.755	41.28	PK-U	35.70	-19.80	0.00	57.18	-	-	-	-	68.20	-11.02	360	100	H
			5.762	41.50	PK-U	35.70	-19.90	0.00	57.30	-	-	-	-	68.20	-10.90	360	100	V
			7.013	43.28	PK-U	36.20	-26.20	0.00	53.28	-	-	-	-	68.20	-14.92	102	115	H
			7.013	42.72	PK-U	36.20	-26.20	0.00	52.72	-	-	-	-	68.20	-15.48	90	209	V
			10.521	38.97	PK-U	38.20	-21.40	0.00	55.77	-	-	-	-	68.20	-12.43	101	132	H
			10.521	35.74	PK-U	38.20	-21.40	0.00	52.54	-	-	-	-	68.20	-15.66	20	100	V
	5300	MIMO	5.767	41.30	PK-U	35.70	-19.90	0.00	57.10	-	-	-	-	68.20	-11.10	0	100	H
			5.769	40.96	PK-U	35.70	-19.80	0.00	56.86	-	-	-	-	68.20	-11.34	0	100	V
			7.066	43.71	PK-U	36.20	-26.20	0.00	53.71	-	-	-	-	68.20	-14.49	105	115	H
			7.067	43.13	PK-U	36.20	-26.20	0.00	53.13	-	-	-	-	68.20	-15.07	92	214	V
			10.600	40.32	PK-U	38.30	-21.50	0.00	57.12	-	-	-	-	68.20	-11.08	101	123	H
			10.600	36.42	PK-U	38.30	-21.50	0.00	53.22	-	-	-	-	68.20	-14.98	49	100	V
	5320	MIMO	5.761	42.41	PK-U	35.70	-20.00	0.00	58.11	-	-	-	-	68.20	-10.09	0	100	H
			5.767	41.02	PK-U	35.70	-19.80	0.00	56.92	-	-	-	-	68.20	-11.28	0	100	V
			7.093	43.47	PK-U	36.20	-26.40	0.00	53.27	-	-	-	-	68.20	-14.93	103	115	H
			7.093	42.96	PK-U	36.20	-26.40	0.00	52.76	-	-	-	-	68.20	-15.44	93	214	V
			* 10.64113	39.92	PK-U	38.30	-21.50	0.00	56.72	-	-	74.00	-17.28	-	-	101	127	H
			* 10.64077	28.51	ADR	38.30	-21.50	0.15	45.46	54.00	-8.54	-	-	-	-	101	127	H
			* 10.64093	36.32	PK-U	38.30	-21.50	0.00	53.12	-	-	74.00	-20.88	-	-	50	100	V
			* 10.64055	24.56	ADR	38.30	-21.50	0.15	41.51	54.00	-12.49	-	-	-	-	50	100	V
			5.757	41.20	PK-U	35.70	-19.80	0.00	57.10	-	-	-	-	68.20	-11.10	0	100	H
			5.764	41.01	PK-U	35.70	-19.80	0.00	56.91	-	-	-	-	68.20	-11.29	0	100	V
			7.067	44.54	PK-U	36.20	-26.20	0.00	54.54	-	-	-	-	68.20	-13.66	106	120	H
			7.067	43.29	PK-U	36.20	-26.20	0.00	53.29	-	-	-	-	68.20	-14.91	91	207	V
802.11n (HT20) Spot-Check	5300	MIMO	10.600	40.86	PK-U	38.30	-21.50	0.00	57.66	-	-	-	-	68.20	-10.54	101	125	H
			10.600	36.82	PK-U	38.30	-21.50	0.00	53.62	-	-	-	-	68.20	-14.58	35	100	V
			5.760	41.30	PK-U	35.70	-19.90	0.00	57.10	-	-	-	-	68.20	-11.10	0	100	H
			5.764	41.17	PK-U	35.70	-19.90	0.00	56.97	-	-	-	-	68.20	-11.23	0	100	V
			7.080	44.30	PK-U	36.20	-26.30	0.00	54.20	-	-	-	-	68.20	-14.00	107	118	H
			7.080	43.10	PK-U	36.20	-26.30	0.00	53.00	-	-	-	-	68.20	-15.20	85	208	V
	5310	MIMO	* 10.62321	33.98	PK-U	38.30	-21.50	0.00	50.78	-	-	74.00	-23.22	-	-	0	100	H
			* 10.60658	33.87	PK-U	38.30	-21.50	0.00	50.67	-	-	74.00	-23.33	-	-	0	100	V
			5.760	41.82	PK-U	35.70	-19.90	0.00	57.62	-	-	-	-	68.20	-10.58	0	100	H
			5.760	40.89	PK-U	35.70	-19.90	0.00	56.69	-	-	-	-	68.20	-11.51	0	100	V
			7.053	44.44	PK-U	36.20	-26.20	0.00	54.44	-	-	-	-	68.20	-13.76	74	115	H
			7.053	43.86	PK-U	36.20	-26.20	0.00	53.86	-	-	-	-	68.20	-14.34	92	209	V
	5290	MIMO	10.576	33.57	PK-U	38.30	-21.50	0.00	50.37	-	-	-	-	68.20	-17.83	0	100	H
			10.585	33.62	PK-U	38.30	-21.50	0.00	50.42	-	-	-	-	68.20	-17.78	0	100	V
			5.753	41.84	PK-U	35.70	-19.90	0.00	57.44	-	-	-	-	68.20	-10.76	0	100	H
			5.769	41.15	PK-U	35.70	-19.80	0.00	57.05	-	-	-	-	68.20	-11.15	0	100	V
			7.093	48.93	PK-U	36.20	-26.40	0.00	58.73	-	-	-	-	68.20	-9.47	105	121	H
			7.093	46.30	PK-U	36.20	-26.40	0.00	56.10	-	-	-	-	68.20	-12.10	93	110	V
802.11ac (HE20) 4RU Spot-Check	5320	MIMO	* 10.6375	33.28	PK-U	38.30	-21.50	0.00	50.08	-	-	74.00	-23.92	-	-	0	100	H
			* 10.62854	33.16	PK-U	38.30	-21.50	0.00	49.96	-	-	74.00	-24.04	-	-	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 HE80 / 5530 MHz LOWER SIDE)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	10dB_ATT[dB]	DC Cor (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45998	45.93	Pk	35.3	-20.6	0	65.53	-	-	74	-13.37	106	127	H
2	* 5.45245	49.28	Pk	35.3	-20.6	0	63.98	-	-	74	-10.02	106	127	H
3	5.46998	48.43	Pk	35.3	-20.6	0	63.13	-	-	-	-5.07	106	127	H
4	5.4693	50.17	Pk	35.3	-20.6	0	64.87	-	-	68.2	-3.33	106	127	H
5	* 5.45998	35.24	RMS	35.3	-20.6	0	49.94	54	-4.06	-	-	106	127	H
6	* 5.45937	36.53	RMS	35.3	-20.5	0	51.33	54	-2.67	-	-	106	127	H
7	5.46998	37.41	RMS	35.3	-20.6	0	52.11	-	-	-	-	106	127	H
8	5.46939	37.98	RMS	35.3	-20.6	0	52.68	-	-	-	-	106	127	H

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

Pk - Peak detector

RMS - RMS detection