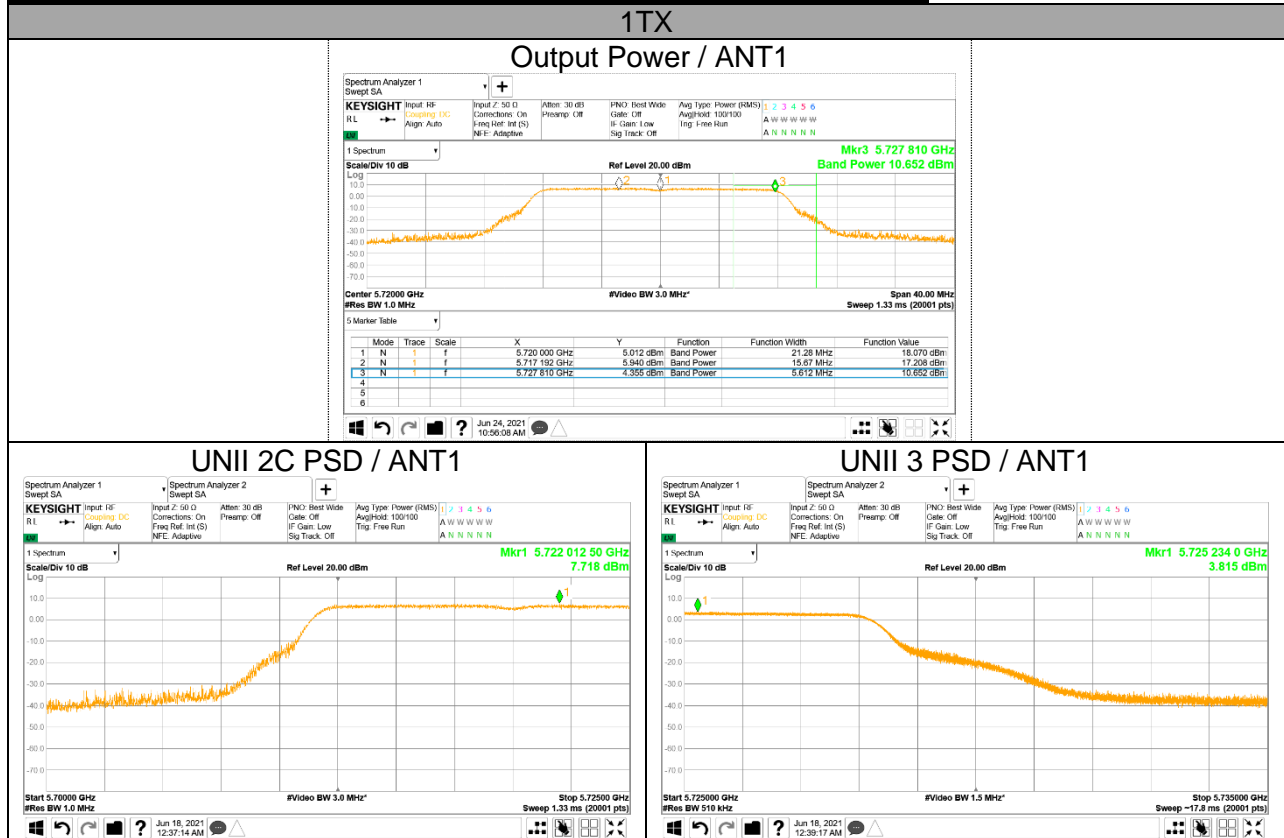
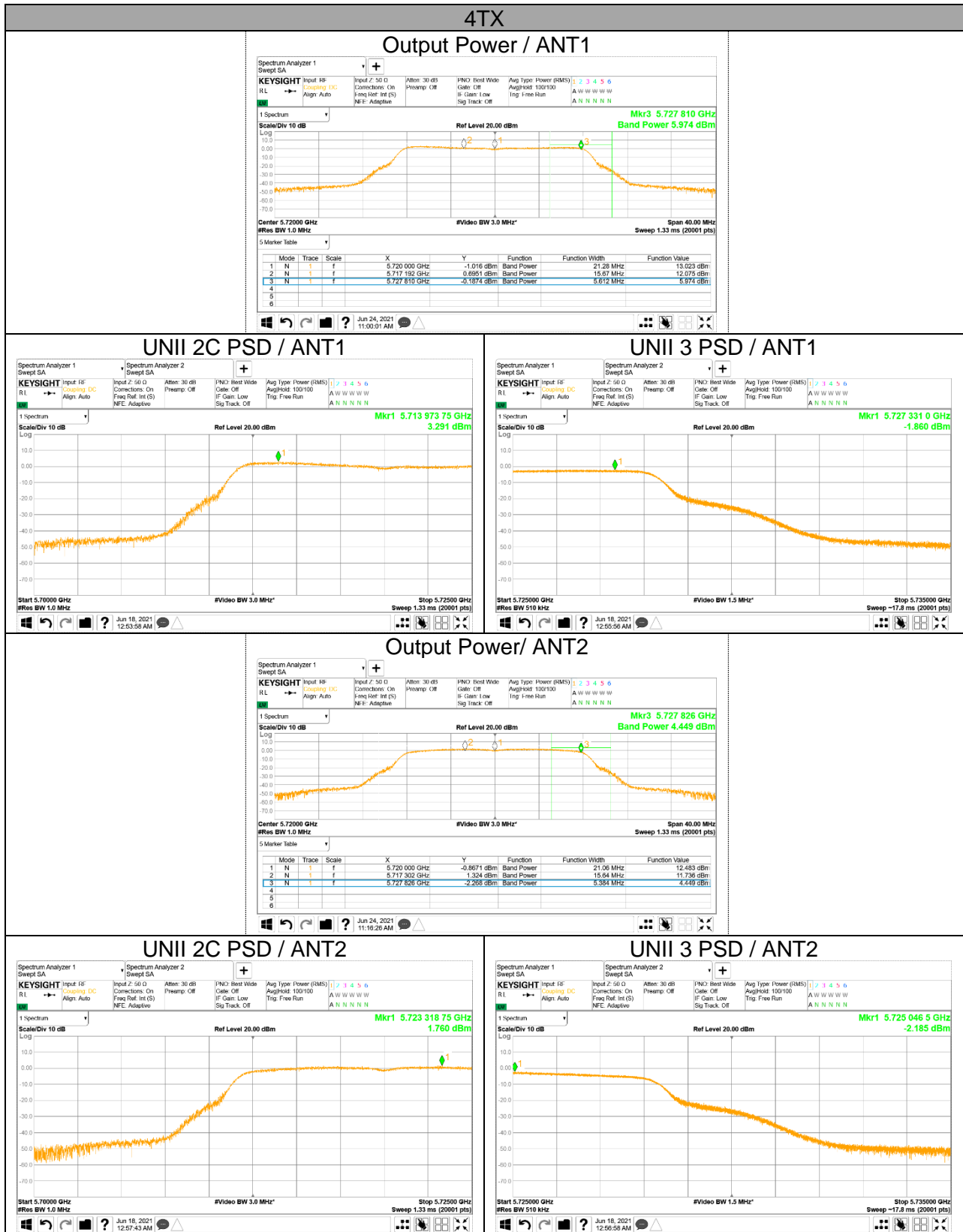
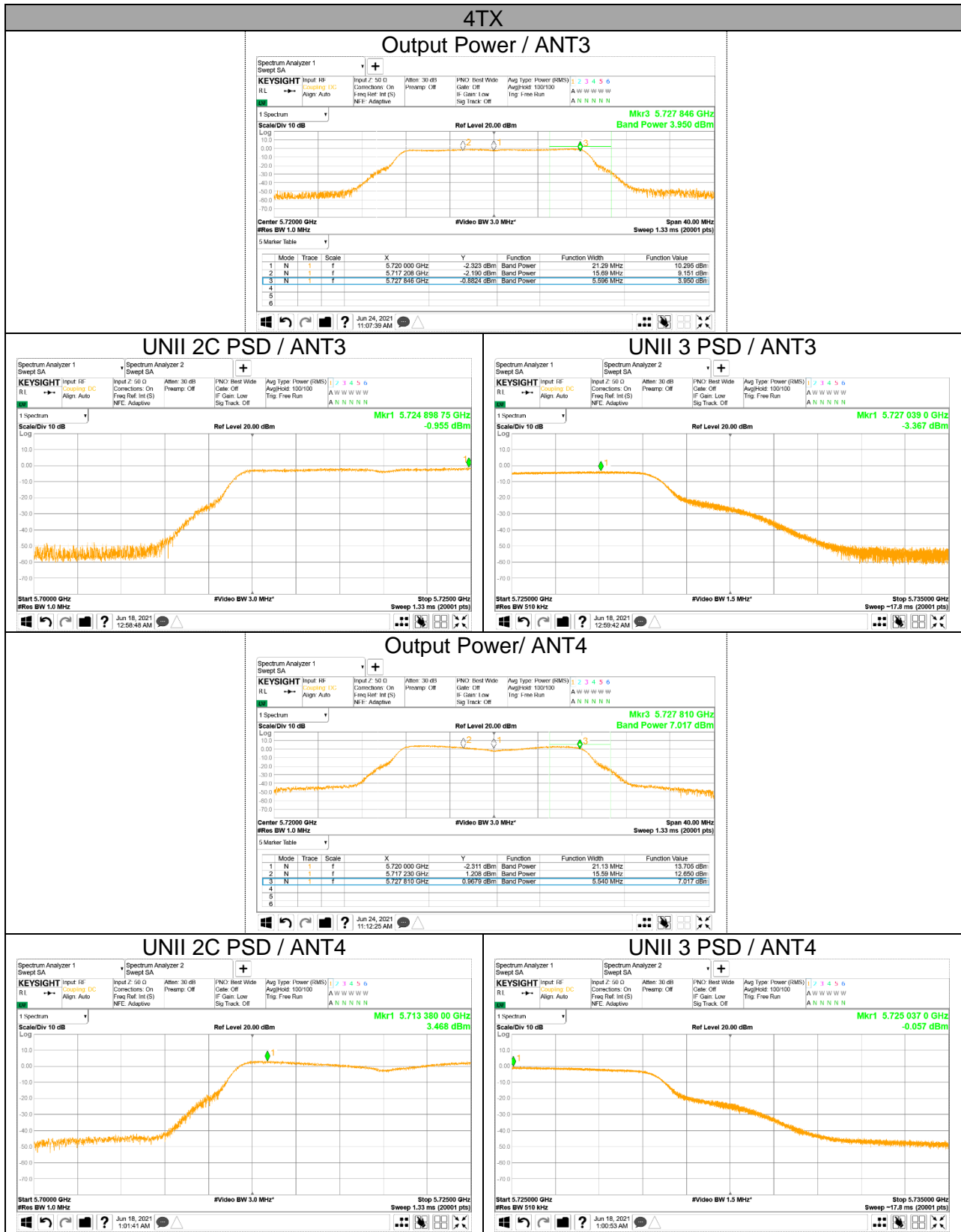


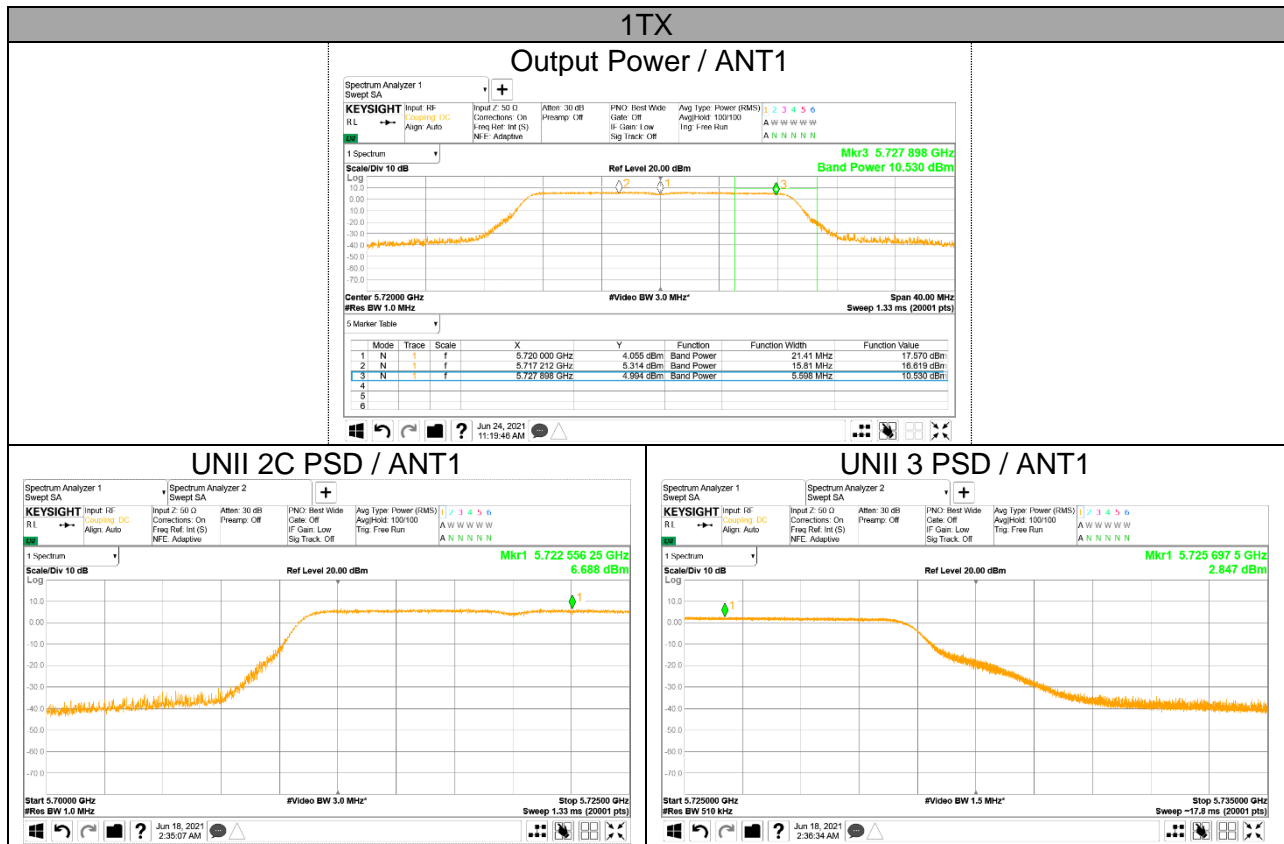
UNII Straddle Ch. IEEE 802.11a mode Output Power and PSD

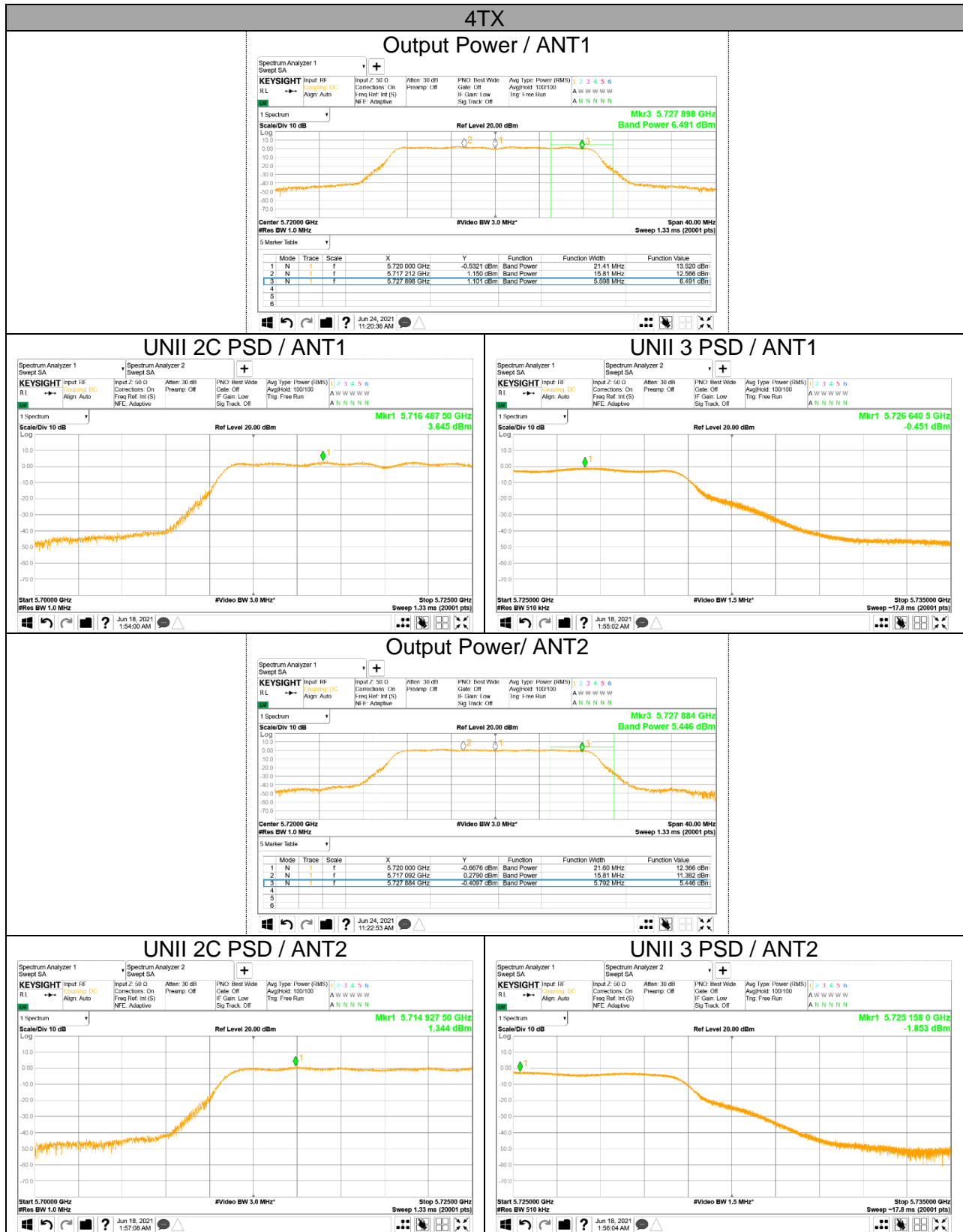


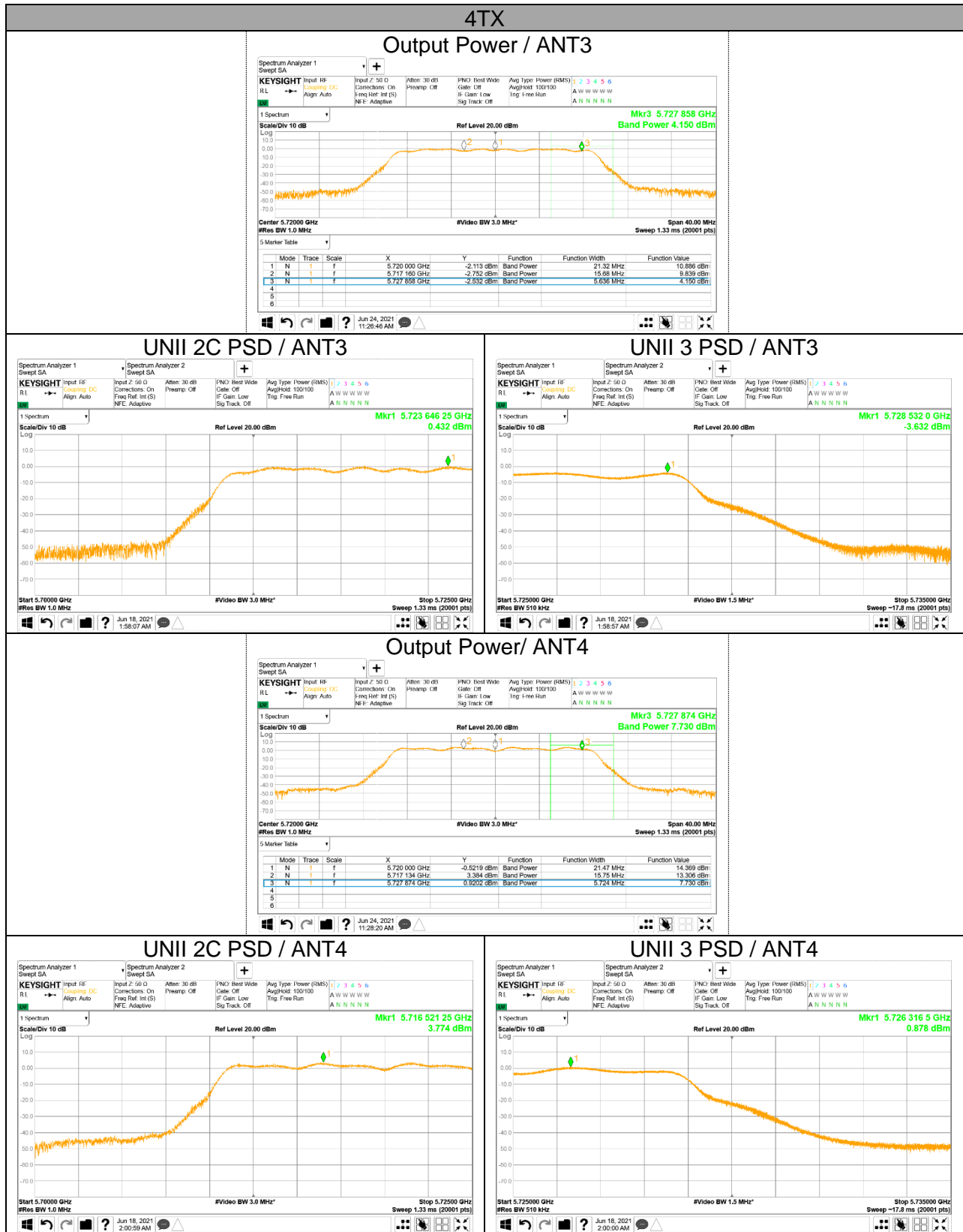




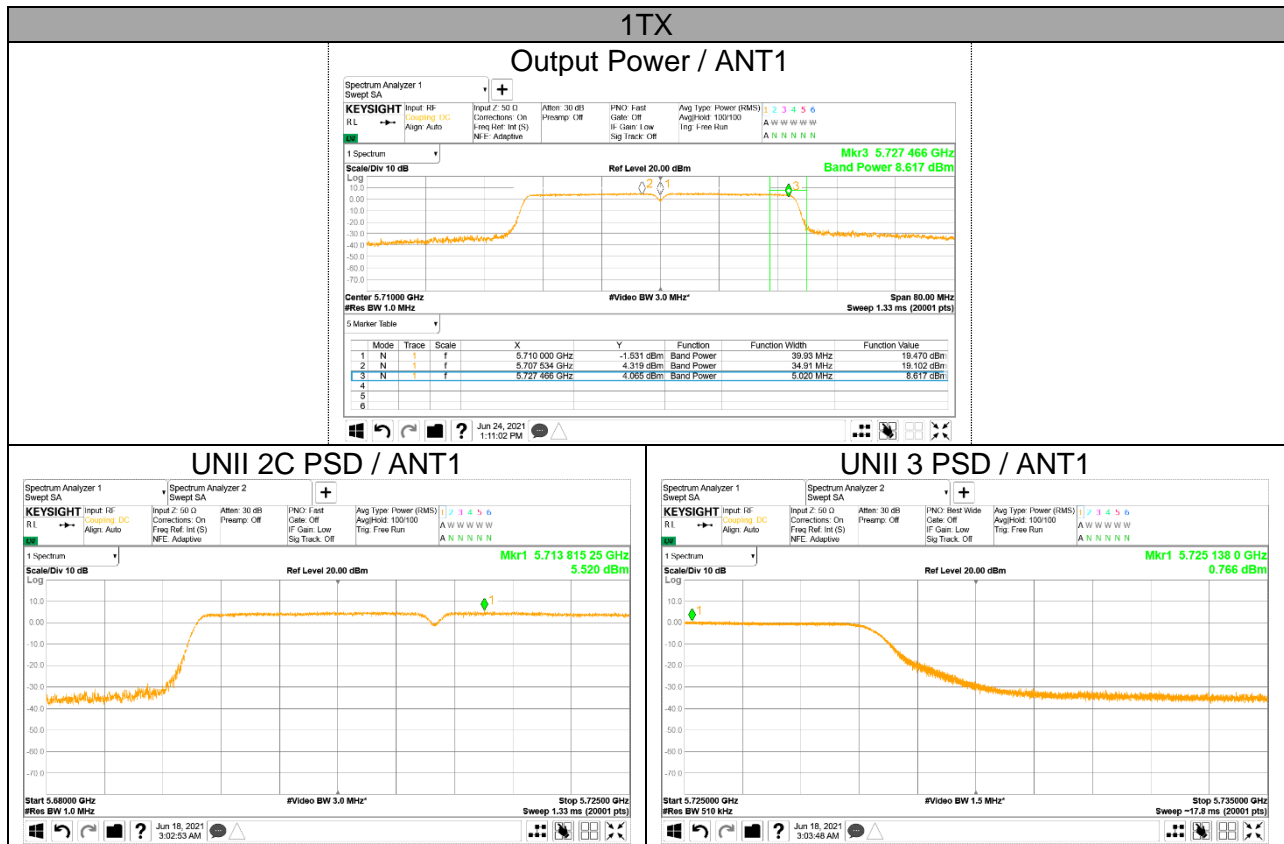
UNII Straddle Ch. IEEE 802.11n HT20 mode Output Power and PSD

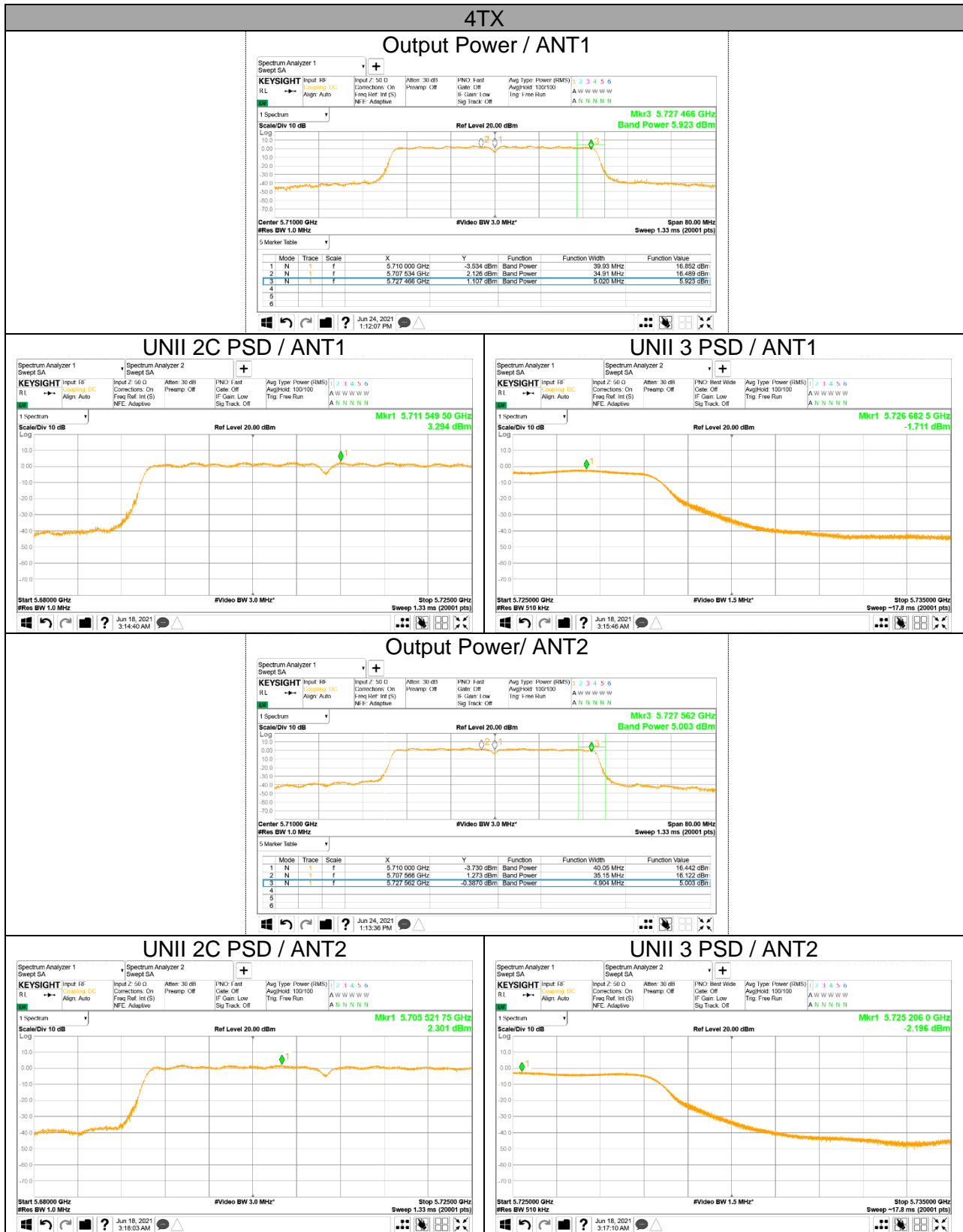


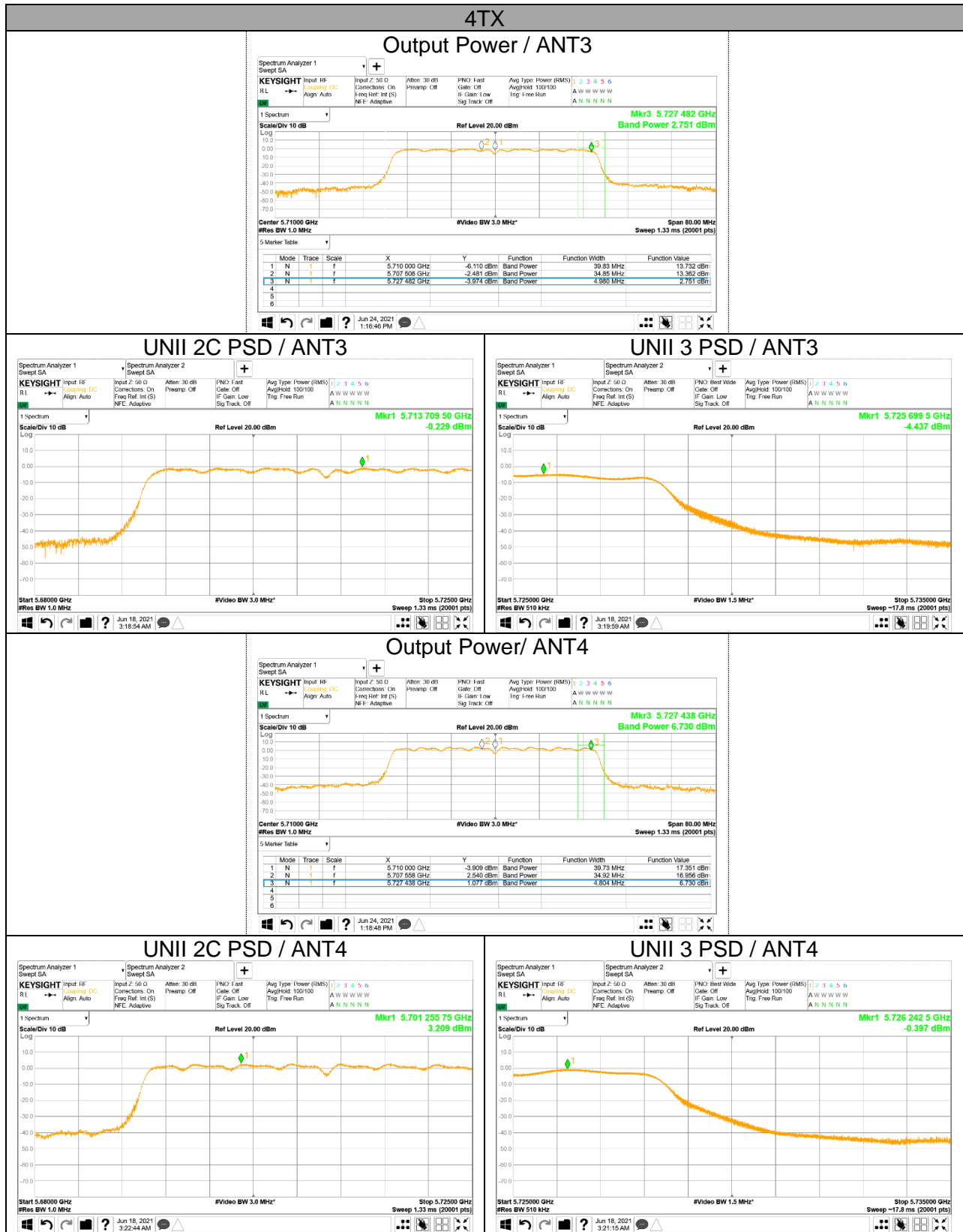




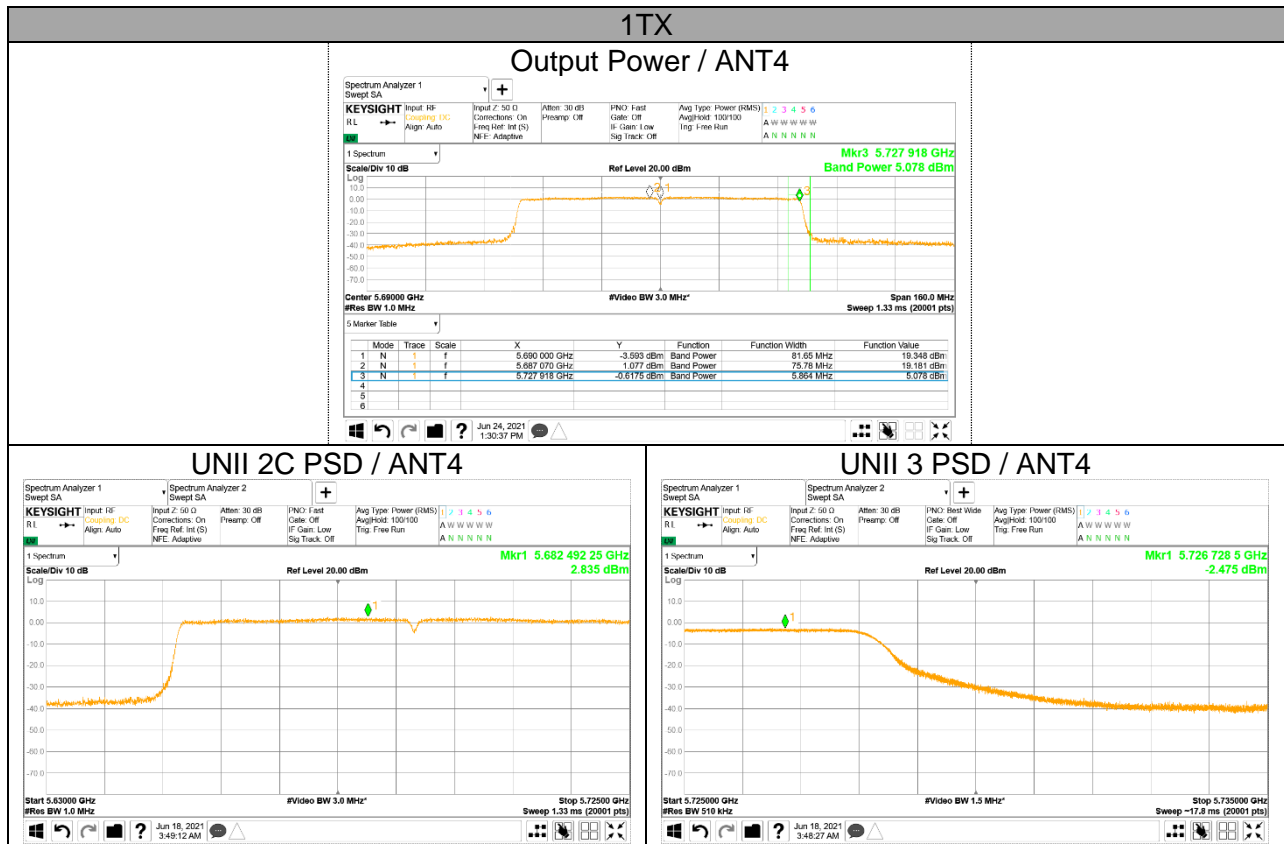
UNII Straddle Ch. IEEE 802.11n HT40 mode Output Power and PSD

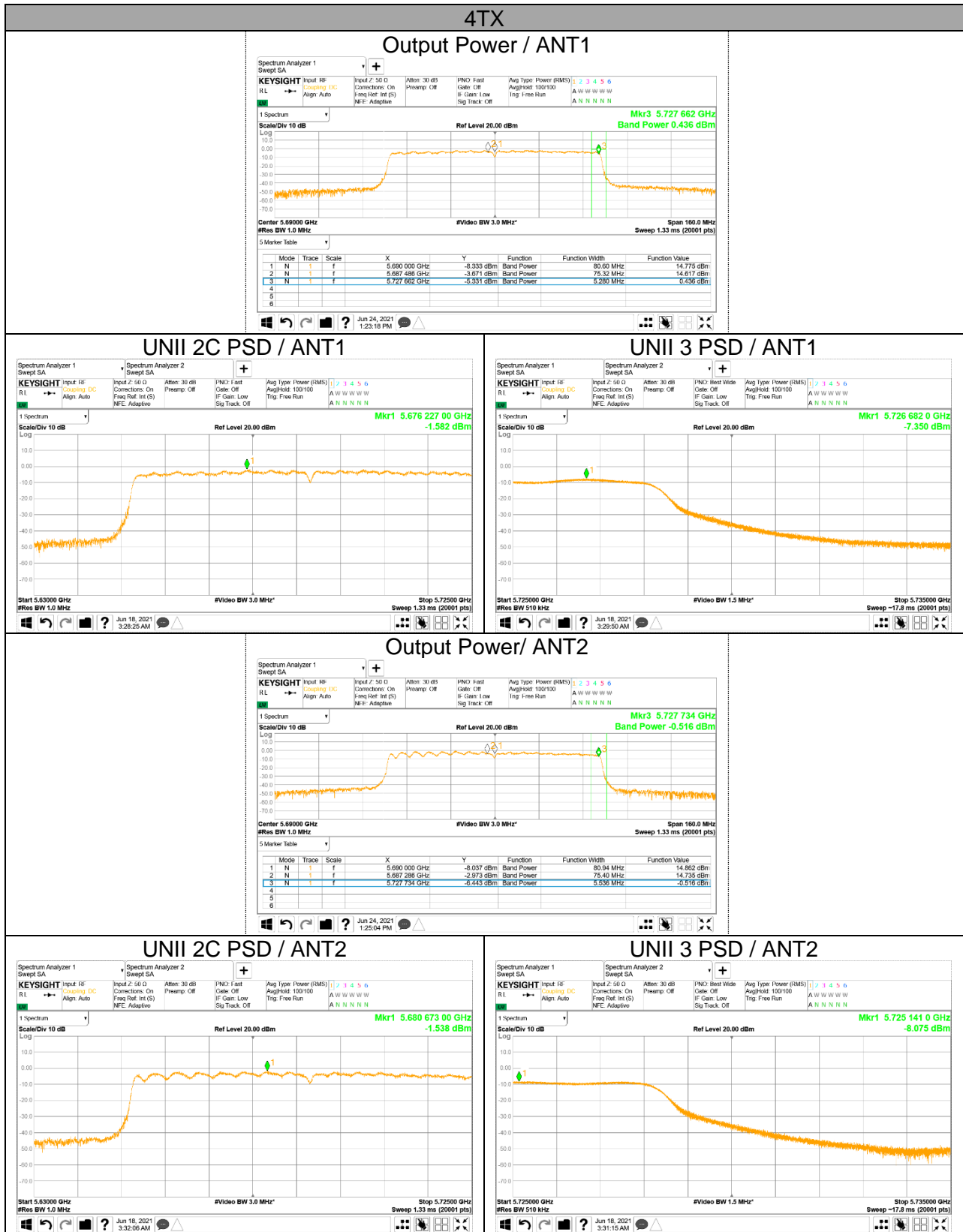


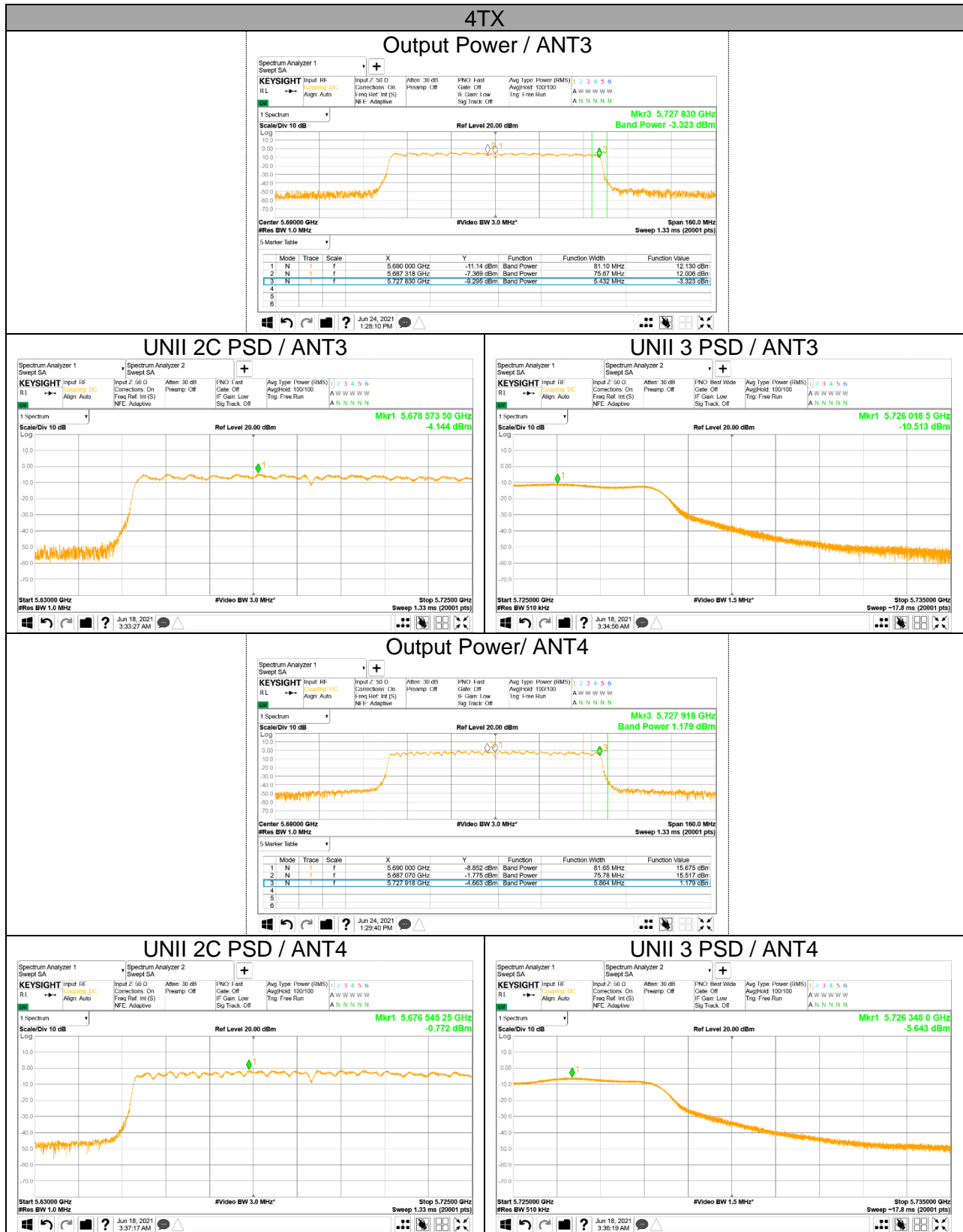




UNII Straddle Ch. IEEE 802.11ac VHT80 mode Output Power and PSD







11. TRANSMITTER ABOVE 1 GHz

LIMITS

FCC §15.205 and §15.209

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

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

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

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

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

FCC §15.407 (b)

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

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

Note

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

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

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

TEST PROCEDURE

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

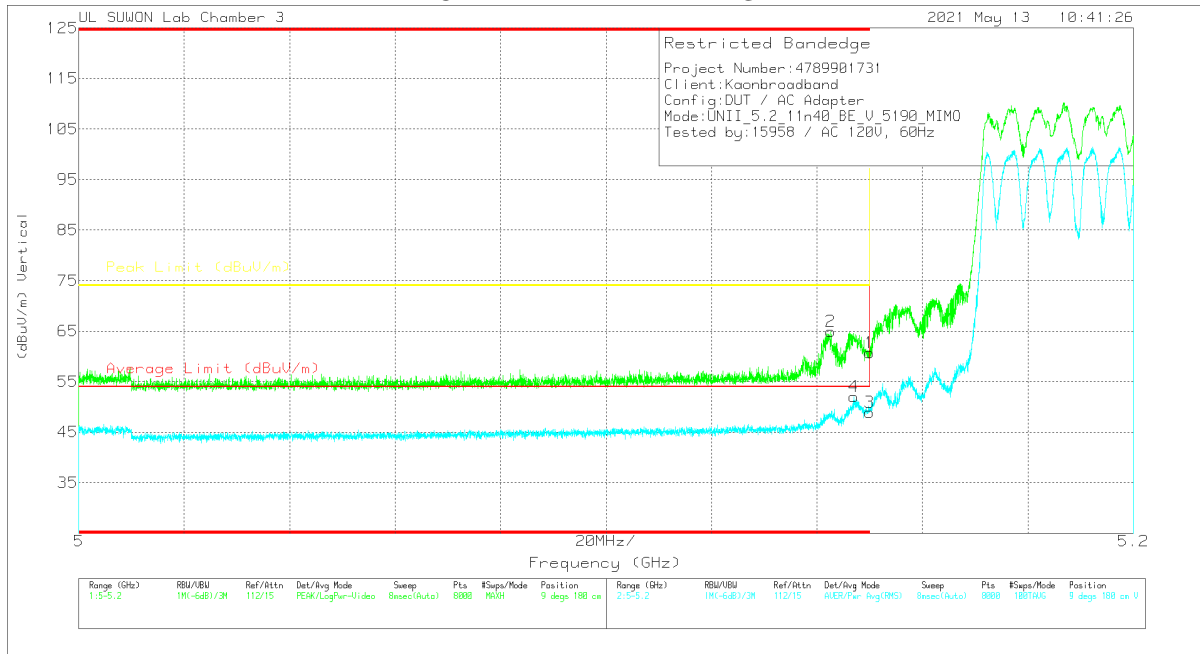
Note : Emission was pre-scanned from 9kHz to 30MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).
Per FCC part 15.31(o), test results were not reported.

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 IN THE 5.2GHz BAND

BANDEDGE (WORST CASE: 802.11n HT40 / MIMO / 5190 MHz)

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.14999	46.75	Pk	34.8	-20.8	60.75	-	-	74	-13.25	9	180	V
2	* 5.14264	50.96	Pk	34.8	-20.8	64.96	-	-	74	-9.04	9	180	V
3	* 5.14999	34.89	RMS	34.8	-20.8	48.89	54	-5.11	-	-	9	180	V
4	* 5.14699	37.98	RMS	34.8	-20.8	51.98	54	-2.02	-	-	9	180	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	50.17	Pk	34.80	-20.80	0	64.17	-	-	74.00	-9.83	202	147	H	
			* 5.14987	54.47	Pk	34.80	-20.80	0	68.47	-	-	74.00	-5.53	202	147	H	
			5.14999	33.57	RMS	34.80	-20.80	0	47.57	54.00	-6.43	-	-	-	202	147	H
			* 5.14952	35.45	RMS	34.80	-20.80	0	49.45	54.00	-4.55	-	-	-	202	147	H
			5.14999	53.07	Pk	34.80	-20.80	0	67.07	-	-	74.00	-6.93	9	178	V	
			* 5.14989	53.76	Pk	34.80	-20.80	0	67.76	-	-	74.00	-6.24	9	178	V	
			* 5.14999	34.97	RMS	34.80	-20.80	0	48.97	54.00	-5.03	-	-	-	9	178	V
			* 5.14929	35.83	RMS	34.80	-20.80	0	49.83	54.00	-4.17	-	-	-	9	178	V
802.11n(HT20)	5180	MIMO	* 5.14999	48.18	Pk	34.80	-20.80	0	62.18	-	-	74.00	-11.82	210	251	H	
			* 5.14169	52.57	Pk	34.80	-20.80	0	66.57	-	-	74.00	-7.43	210	251	H	
			* 5.14999	32.65	RMS	34.80	-20.80	0	46.65	54.00	-7.35	-	-	-	210	251	H
			* 5.14844	35.81	RMS	34.80	-20.80	0	49.81	54.00	-4.19	-	-	-	210	251	H
			* 5.14999	50.01	Pk	34.80	-20.80	0	64.01	-	-	74.00	-9.99	9	178	V	
			* 5.14757	52.86	Pk	34.80	-20.80	0	66.86	-	-	74.00	-7.14	9	178	V	
			5.14999	35.04	RMS	34.80	-20.80	0	49.04	54.00	-4.96	-	-	-	9	178	V
			* 5.14717	36.97	RMS	34.80	-20.80	0	50.97	54.00	-3.03	-	-	-	9	178	V
802.11n(HT40)	5190	MIMO	* 5.14999	45.69	Pk	34.80	-20.80	0	59.69	-	-	74.00	-14.31	347	191	H	
			* 5.14747	49.07	Pk	34.80	-20.80	0	63.07	-	-	74.00	-10.93	347	191	H	
			* 5.14989	34.07	RMS	34.80	-20.80	0	48.07	54.00	-5.93	-	-	-	347	191	H
			* 5.14749	35.76	RMS	34.80	-20.80	0	49.76	54.00	-4.24	-	-	-	347	191	H
			5.14999	46.75	Pk	34.80	-20.80	0	60.75	-	-	74.00	-13.25	9	180	V	
			* 5.14264	50.96	Pk	34.80	-20.80	0	64.96	-	-	74.00	-9.04	9	180	V	
			* 5.14999	34.89	RMS	34.80	-20.80	0	48.89	54.00	-5.11	-	-	-	9	180	V
			* 5.14699	37.98	RMS	34.80	-20.80	0	51.98	54.00	-2.02	-	-	-	9	180	V
802.11ac(VHT80)	5210	MIMO	* 5.14999	42.59	Pk	34.80	-20.80	0	56.59	-	-	74.00	-17.41	341	191	H	
			5.14237	47.14	Pk	34.80	-20.80	0	61.14	-	-	74.00	-12.96	341	191	H	
			* 5.14999	31.83	RMS	34.80	-20.80	0	45.83	54.00	-8.17	-	-	-	341	191	H
			* 5.14734	34.44	RMS	34.80	-20.80	0	48.44	54.00	-5.56	-	-	-	341	191	H
			* 5.14999	45.54	Pk	34.80	-20.80	0	59.54	-	-	74.00	-14.46	9	178	V	
			* 5.14679	49.99	Pk	34.80	-20.80	0	63.99	-	-	74.00	-10.01	9	178	V	
			* 5.14999	34.98	RMS	34.80	-20.80	0	48.98	54.00	-5.02	-	-	-	9	178	V
			* 5.14934	37.04	RMS	34.80	-20.80	0	51.04	54.00	-2.96	-	-	-	9	178	V
802.11ac(VHT160)	5250	MIMO	* 5.14999	42.84	Pk	34.80	-20.80	0	56.84	-	-	74.00	-17.16	6	167	H	
			* 5.13479	50.63	Pk	34.80	-20.70	0	64.73	-	-	74.00	-9.27	6	167	H	
			* 5.14999	32.89	RMS	34.80	-20.80	0	46.89	54.00	-7.11	-	-	-	6	167	H
			* 5.14749	35.59	RMS	34.80	-20.80	0	49.59	54.00	-4.41	-	-	-	6	167	H
			* 5.14999	47.33	Pk	34.80	-20.80	0	61.33	-	-	74.00	-12.67	14	189	V	
			* 5.12754	52.56	Pk	34.80	-20.80	0	66.56	-	-	74.00	-7.44	14	189	V	
			* 5.14999	36.32	RMS	34.80	-20.80	0	50.32	54.00	-3.68	-	-	-	14	189	V
			* 5.14909	37.65	RMS	34.80	-20.80	0	51.65	54.00	-2.35	-	-	-	14	189	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	
802.11a	5180	ANT1	* 5.14999	50.10	Pk	34.80	-20.80	0	64.10	-	-	74.00	-9.90	7	250	H	
			* 5.14849	51.47	Pk	34.80	-20.80	0	65.47	-	-	74.00	-8.53	7	250	H	
			* 5.14999	36.85	RMS	34.80	-20.80	0	50.85	54.00	-3.15	-	-	-	7	250	H
			* 5.14944	36.31	RMS	34.80	-20.80	0	50.31	54.00	-3.69	-	-	-	7	250	H
			* 5.14999	45.35	Pk	34.80	-20.80	0	59.35	-	-	74.00	-14.65	238	109	V	
			* 5.14897	46.63	Pk	34.80	-20.80	0	60.63	-	-	74.00	-13.37	238	109	V	
			* 5.14999	31.34	RMS	34.80	-20.80	0	45.34	54.00	-8.66	-	-	-	238	109	V
			* 5.14904	32.51	RMS	34.80	-20.80	0	46.51	54.00	-7.49	-	-	-	238	109	V
802.11n(HT20)	5180	ANT1	* 5.14999	50.86	Pk	34.80	-20.80	0	64.86	-	-	74.00	-9.14	12	277	H	
			* 5.14797	53.61	Pk	34.80	-20.80	0	67.61	-	-	74.00	-6.39	12	277	H	
			* 5.14999	35.96	RMS	34.80	-20.80	0	49.96	54.00	-4.04	-	-	-	12	277	H
			* 5.14994	37.35	RMS	34.80	-20.80	0	51.35	54.00	-2.65	-	-	-	12	277	H
			* 5.14999	45.70	Pk	34.80	-20.80	0	59.70	-	-	74.00	-14.30	238	111	V	
			* 5.14809	46.97	Pk	34.80	-20.80	0	60.97	-	-	74.00	-13.03	238	111	V	
			* 5.14999	31.77	RMS	34.80	-20.80	0	45.77	54.00	-8.23	-	-	-	238	111	V
			* 5.14992	32.89	RMS	34.80	-20.80	0	46.89	54.00	-7.11	-	-	-	238	111	V
802.11n(HT40)	5190	ANT1	* 5.14999	51.50	Pk	34.80	-20.80	0	65.50	-	-	74.00	-8.50	7	252	H	
			* 5.14992	53.31	Pk	34.80	-20.80	0	67.31	-	-	74.00	-6.69	7	252	H	
			* 5.14999	35.63	RMS	34.80	-20.80	0	49.63	54.00	-4.37	-	-	-	7	252	H
			* 5.14967	37.13	RMS	34.80	-20.80	0	51.13	54.00	-2.87	-	-	-	7	252	H
			* 5.14999	43.88	Pk	34.80	-20.80	0	57.88	-	-	74.00	-16.12	238	112	V	
			* 5.14857	47.09	Pk	34.80	-20.80	0	61.09	-	-	74.00	-12.91	238	112	V	
			* 5.14999	31.65	RMS	34.80	-20.80	0	45.65	54.00	-8.35	-	-	-	238	112	V
			* 5.00095	32.08	RMS	34.70	-20.80	0	45.98	54.00	-8.02	-	-	-	238	112	V
802.11ac(VHT80)	5210	ANT1	* 5.14999	48.56	Pk	34.80	-20.80	0	62.56	-	-	74.00	-11.44	7	277	H	
			* 5.14962	53.46	Pk	34.80	-20.80	0	67.46	-	-	74.00	-6.54	7	277	H	
			* 5.14999	35.86	RMS	34.80	-20.80	0	49.86	54.00	-4.14	-	-	-	7	277	H
			* 5.14452	37.00	RMS	34.80	-20.80	0	51.00	54.00	-3.00	-	-	-	7	277	H
			* 5.14999	47.09	Pk	34.80	-20.80	0	61.09	-	-	74.00	-12.91	238	110	V	
			* 5.14967	47.86	Pk	34.80	-20.80	0	61.86	-	-	74.00	-12.14	238	110	V	
			* 5.14999	30.19	RMS	34.80	-20.80	0	44.19	54.00	-9.81	-	-	-	238	110	V
			* 5.14067	32.19	RMS	34.80	-20.80	0	46.19	54.00	-7.81	-	-	-	238	110	V
802.11ac(VHT160)	5250	ANT1	* 5.14999	51.46	Pk	34.80	-20.80	0	65.46	-	-	74.00	-8.54	9	180	H	
			* 5.14744	54.09	Pk	34.80	-20.80	0	68.09	-	-	74.00	-5.91	9	180	H	
			* 5.14999	36.35	RMS	34.80	-20.80	0	50.35	54.00	-3.65	-	-	-	9	180	H
			* 5.14747	37.59	RMS	34.80	-20.80	0	51.59	54.00	-2.41	-	-	-	9	180	H
			* 5.14999	43.05	Pk	34.80	-20.80	0	57.05	-	-	74.00	-16.95	237	112	V	
			* 5.14694	46.72	Pk	34.80	-20.80	0	60.72	-	-	74.00	-13.28	237	112	V	
			* 5.14999	29.28	RMS	34.80	-20.80	0	43.28	54.00	-10.72	-	-	-	237	112	V
			* 5.14844	30.96	RMS	34.80	-20.80	0	44.96	54.00	-9.04	-	-	-	237	112	V

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

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	ANT2	* 5.14999	42.03	Pk	34.80	-20.80	0	56.03	-	-	74.00	-17.97	304	112	H
			* 5.14867	45.13	Pk	34.80	-20.80	0	59.13	-	-	74.00	-14.87	304	112	H
			* 5.14999	30.64	RMS	34.80	-20.80	0	44.64	54.00	-9.36	-	-	304	112	H
			* 5.00355	32.16	RMS	34.70	-20.80	0	46.06	54.00	-7.94	-	-	304	112	H
			* 5.14999	55.16	Pk	34.80	-20.80	0	69.16	-	-	74.00	-4.84	48	196	V
			* 5.14939	55.00	Pk	34.80	-20.80	0	69.00	-	-	74.00	-5.00	48	196	V
			* 5.14999	36.18	RMS	34.80	-20.80	0	50.18	54.00	-3.82	-	-	48	196	V
			* 5.14992	37.03	RMS	34.80	-20.80	0	51.03	54.00	-2.97	-	-	48	196	V
802.11n(HT20)	5180	ANT2	* 5.14999	38.39	Pk	34.80	-20.80	0	52.39	-	-	74.00	-21.61	306	131	H
			* 5.14957	42.83	Pk	34.80	-20.80	0	56.83	-	-	74.00	-17.17	306	131	H
			* 5.14999	28.25	RMS	34.80	-20.80	0	42.25	54.00	-11.75	-	-	306	131	H
			* 5.0039	29.55	RMS	34.70	-20.80	0	43.45	54.00	-10.55	-	-	306	131	H
			* 5.14999	51.18	Pk	34.80	-20.80	0	65.18	-	-	74.00	-8.82	52	194	V
			* 5.14964	53.57	Pk	34.80	-20.80	0	67.57	-	-	74.00	-6.43	52	194	V
			* 5.14999	37.09	RMS	34.80	-20.80	0	51.09	54.00	-2.91	-	-	52	194	V
			* 5.14937	36.89	RMS	34.80	-20.80	0	50.89	54.00	-3.11	-	-	52	194	V
802.11n(HT40)	5190	ANT2	* 5.14999	38.79	Pk	34.80	-20.80	0	52.79	-	-	74.00	-21.21	250	100	H
			* 5.00173	43.68	Pk	34.70	-20.80	0	57.58	-	-	74.00	-16.42	250	100	H
			* 5.14999	29.55	RMS	34.80	-20.80	0	43.55	54.00	-10.45	-	-	250	100	H
			* 5.00493	32.11	RMS	34.70	-20.90	0	45.91	54.00	-8.09	-	-	250	100	H
			* 5.14999	49.47	Pk	34.80	-20.80	0	63.47	-	-	74.00	-10.53	50	186	V
			* 5.14839	52.11	Pk	34.80	-20.80	0	66.11	-	-	74.00	-7.89	50	186	V
			* 5.14999	36.69	RMS	34.80	-20.80	0	50.69	54.00	-3.31	-	-	50	186	V
			* 5.14987	37.82	RMS	34.80	-20.80	0	51.82	54.00	-2.18	-	-	50	186	V
802.11ac(VHT80)	5210	ANT2	* 5.14999	38.18	Pk	34.80	-20.80	0	52.18	-	-	74.00	-21.82	300	111	H
			* 5.00515	43.39	Pk	34.70	-20.90	0	57.19	-	-	74.00	-16.81	300	111	H
			* 5.14999	29.52	RMS	34.80	-20.80	0	43.52	54.00	-10.48	-	-	300	111	H
			* 5.00185	31.90	RMS	34.70	-20.80	0	45.80	54.00	-8.20	-	-	300	111	H
			* 5.14999	51.99	Pk	34.80	-20.80	0	65.99	-	-	74.00	-8.01	51	193	V
			* 5.14974	52.68	Pk	34.80	-20.80	0	66.68	-	-	74.00	-7.32	51	193	V
			* 5.14999	36.93	RMS	34.80	-20.80	0	50.93	54.00	-3.07	-	-	51	193	V
			* 5.14867	37.68	RMS	34.80	-20.80	0	51.68	54.00	-2.32	-	-	51	193	V
802.11ac(VHT160)	5180	ANT2	* 5.14999	36.95	Pk	34.80	-20.80	0	50.95	-	-	74.00	-23.05	300	112	H
			* 5.00223	40.98	Pk	34.70	-20.80	0	54.88	-	-	74.00	-19.12	300	112	H
			* 5.14999	27.55	RMS	34.80	-20.80	0	41.55	54.00	-12.45	-	-	300	112	H
			* 5.00668	29.43	RMS	34.70	-20.90	0	43.23	54.00	-10.77	-	-	300	112	H
			* 5.14999	44.47	Pk	34.80	-20.80	0	58.47	-	-	74.00	-15.53	49	200	V
			* 5.14744	52.03	Pk	34.80	-20.80	0	66.03	-	-	74.00	-7.97	49	200	V
			* 5.14999	34.99	RMS	34.80	-20.80	0	48.99	54.00	-5.01	-	-	49	200	V
			* 5.14714	36.45	RMS	34.80	-20.80	0	50.45	54.00	-3.55	-	-	49	200	V

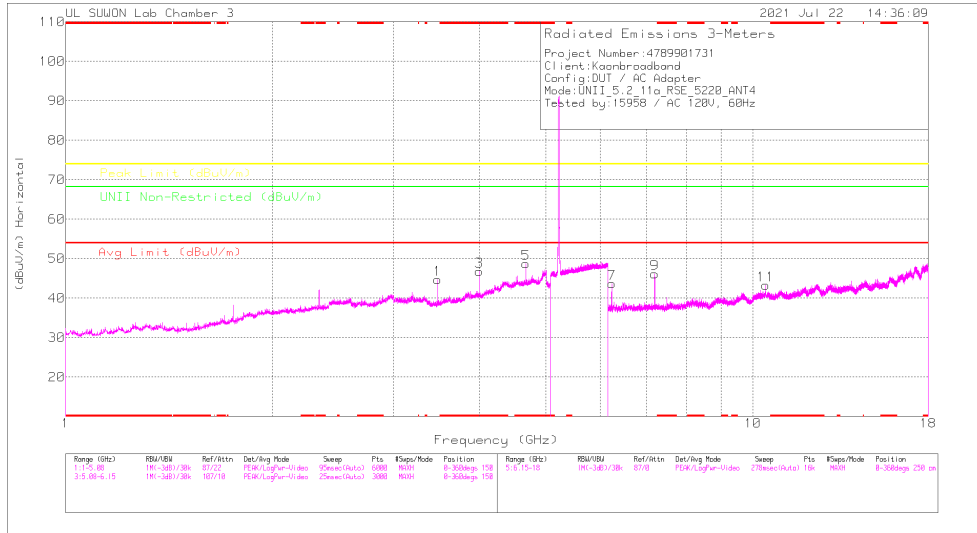
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5180	ANT3	* 5.14999	52.39	Pk	34.80	-20.80	0	66.39	-	-	74.00	-7.61	203	152	H
			* 5.14979	53.35	Pk	34.80	-20.80	0	67.35	-	-	74.00	-6.65	203	152	H
			* 5.14999	34.84	RMS	34.80	-20.80	0	48.84	54.00	-5.16	-	-	203	152	H
			* 5.14984	37.33	RMS	34.80	-20.80	0	51.33	54.00	-2.67	-	-	203	152	H
			* 5.14999	48.53	Pk	34.80	-20.80	0	62.53	-	-	74.00	-11.47	220	147	V
			* 5.14989	50.34	Pk	34.80	-20.80	0	64.34	-	-	74.00	-9.66	220	147	V
			* 5.14999	34.25	RMS	34.80	-20.80	0	48.25	54.00	-5.75	-	-	220	147	V
			* 5.14942	34.80	RMS	34.80	-20.80	0	48.80	54.00	-5.20	-	-	220	147	V
802.11n(HT20)	5180	ANT3	* 5.14999	50.18	Pk	34.80	-20.80	0	64.18	-	-	74.00	-9.82	203	152	H
			* 5.14987	54.46	Pk	34.80	-20.80	0	68.46	-	-	74.00	-5.54	203	152	H
			* 5.14999	35.98	RMS	34.80	-20.80	0	49.98	54.00	-4.02	-	-	203	152	H
			* 5.14874	36.79	RMS	34.80	-20.80	0	50.79	54.00	-3.21	-	-	203	152	H
			* 5.14999	49.07	Pk	34.80	-20.80	0	63.07	-	-	74.00	-10.93	220	145	V
			* 5.14872	51.28	Pk	34.80	-20.80	0	65.28	-	-	74.00	-8.72	220	145	V
			* 5.14999	33.91	RMS	34.80	-20.80	0	47.91	54.00	-6.09	-	-	220	145	V
			* 5.14964	35.92	RMS	34.80	-20.80	0	49.92	54.00	-4.08	-	-	220	145	V
802.11n(HT40)	5190	ANT3	* 5.14999	48.37	Pk	34.80	-20.80	0	62.37	-	-	74.00	-11.63	203	150	H
			* 5.14822	51.62	Pk	34.80	-20.80	0	65.62	-	-	74.00	-8.38	203	150	H
			* 5.14999	35.51	RMS	34.80	-20.80	0	49.51	54.00	-4.49	-	-	203	150	H
			* 5.14957	36.79	RMS	34.80	-20.80	0	50.79	54.00	-3.21	-	-	203	150	H
			* 5.14999	47.62	Pk	34.80	-20.80	0	61.62	-	-	74.00	-12.38	220	146	V
			* 5.14824	49.30	Pk	34.80	-20.80	0	63.30	-	-	74.00	-10.70	220	146	V
			* 5.14999	32.88	RMS	34.80	-20.80	0	46.88	54.00	-7.12	-	-	220	146	V
			* 5.14937	33.42	RMS	34.80	-20.80	0	47.42	54.00	-6.58	-	-	220	146	V
802.11ac(VHT80)	5210	ANT3	* 5.14999	47.45	Pk	34.80	-20.80	0	61.45	-	-	74.00	-12.55	203	173	H
			* 5.14959	51.13	Pk	34.80	-20.80	0	65.13	-	-	74.00	-8.87	203	173	H
			* 5.14999	36.23	RMS	34.80	-20.80	0	50.23	54.00	-3.77	-	-	203	173	H
			* 5.14889	36.74	RMS	34.80	-20.80	0	50.74	54.00	-3.26	-	-	203	173	H
			* 5.14999	46.34	Pk	34.80	-20.80	0	60.34	-	-	74.00	-13.66	220	145	V
			* 5.14822	51.40	Pk	34.80	-20.80	0	65.40	-	-	74.00	-8.60	220	145	V
			* 5.14999	32.20	RMS	34.80	-20.80	0	46.20	54.00	-7.80	-	-	220	145	V
			* 5.14934	33.72	RMS	34.80	-20.80	0	47.72	54.00	-6.28	-	-	220	145	V
802.11ac(VHT160)	5180	ANT3	* 5.14999	49.68	Pk	34.80	-20.80	0	63.68	-	-	74.00	-10.32	204	149	H
			* 5.14709	53.63	Pk	34.80	-20.80	0	67.63	-	-	74.00	-6.37	204	149	H
			* 5.14999	35.14	RMS	34.80	-20.80	0	49.14	54.00	-4.86	-	-	204	149	H
			* 5.14704	36.82	RMS	34.80	-20.80	0	50.82	54.00	-3.18	-	-	204	149	H
			* 5.14999	46.10	Pk	34.80	-20.80	0	60.10	-	-	74.00	-13.90	222	153	V
			* 5.14697	49.37	Pk	34.80	-20.80	0	63.37	-	-	74.00	-10.63	222	153	V
			* 5.14999	32.76	RMS	34.80	-20.80	0	46.76	54.00	-7.24	-	-	222	153	V
			* 5.13634	33.91	RMS	34.80	-20.80	0	47.91	54.00	-6.09	-	-	222	153	V

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

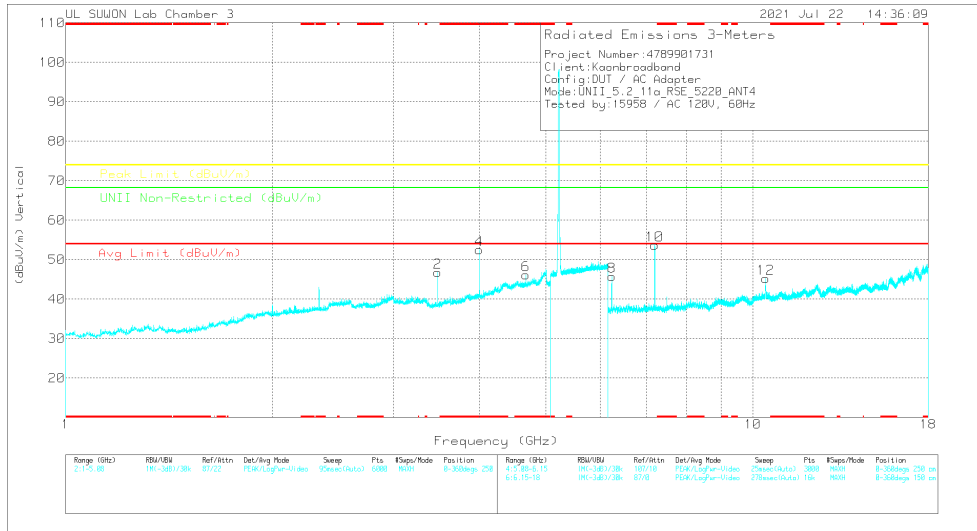
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5180	ANT4	* 5.14999	49.38	Pk	34.80	-20.80	0	63.38	-	-	74.00	-10.62	130	282	H
			5.14959	50.77	Pk	34.80	-20.80	0	64.77	-	-	74.00	-9.23	130	282	H
			5.14999	31.78	RMS	34.80	-20.80	0	45.78	54.00	-8.22	-	-	130	282	H
			* 5.14904	32.35	RMS	34.80	-20.80	0	46.35	54.00	-7.65	-	-	130	282	H
			* 5.14999	55.96	Pk	34.80	-20.80	0	69.96	-	-	74.00	-4.04	213	173	V
			* 5.14992	57.76	Pk	34.80	-20.80	0	71.76	-	-	74.00	-2.24	213	173	V
			* 5.14999	35.82	RMS	34.80	-20.80	0	49.82	54.00	-4.18	-	-	213	173	V
			* 5.14774	37.27	RMS	34.80	-20.80	0	51.27	54.00	-2.73	-	-	213	173	V
802.11n(HT20)	5180	ANT4	* 5.14999	47.62	Pk	34.80	-20.80	0	61.62	-	-	74.00	-12.38	133	280	H
			* 5.14897	49.01	Pk	34.80	-20.80	0	63.01	-	-	74.00	-10.99	133	280	H
			* 5.14999	31.04	RMS	34.80	-20.80	0	45.04	54.00	-8.96	-	-	133	280	H
			* 5.14994	32.69	RMS	34.80	-20.80	0	46.69	54.00	-7.31	-	-	133	280	H
			* 5.14999	53.80	Pk	34.80	-20.80	0	67.80	-	-	74.00	-6.20	218	173	V
			* 5.14697	53.59	Pk	34.80	-20.80	0	67.59	-	-	74.00	-6.41	218	173	V
			* 5.14999	35.49	RMS	34.80	-20.80	0	49.49	54.00	-4.51	-	-	218	173	V
			* 5.14982	36.34	RMS	34.80	-20.80	0	50.34	54.00	-3.66	-	-	218	173	V
802.11n(HT40)	5190	ANT4	* 5.14999	42.11	Pk	34.80	-20.80	0	56.11	-	-	74.00	-17.89	130	280	H
			* 5.14887	44.82	Pk	34.80	-20.80	0	58.82	-	-	74.00	-15.18	130	280	H
			* 5.14999	30.88	RMS	34.80	-20.80	0	44.88	54.00	-9.12	-	-	130	280	H
			* 5.00073	32.06	RMS	34.70	-20.80	0	45.96	54.00	-8.04	-	-	130	280	H
			* 5.14999	51.10	Pk	34.80	-20.80	0	65.10	-	-	74.00	-8.90	215	166	V
			* 5.14789	53.28	Pk	34.80	-20.80	0	67.28	-	-	74.00	-6.72	215	166	V
			* 5.14999	37.11	RMS	34.80	-20.80	0	51.11	54.00	-2.89	-	-	215	166	V
			* 5.14944	37.82	RMS	34.80	-20.80	0	51.82	54.00	-2.18	-	-	215	166	V
802.11ac(VHT80)	5210	ANT4	* 5.14999	42.21	Pk	34.80	-20.80	0	56.21	-	-	74.00	-17.79	132	280	H
			* 5.14417	44.48	Pk	34.80	-20.80	0	58.48	-	-	74.00	-15.52	132	280	H
			* 5.14999	31.56	RMS	34.80	-20.80	0	45.56	54.00	-8.44	-	-	132	280	H
			* 5.14569	32.14	RMS	34.80	-20.80	0	46.14	54.00	-7.86	-	-	132	280	H
			* 5.14999	48.62	Pk	34.80	-20.80	0	62.62	-	-	74.00	-11.38	215	167	V
			* 5.14999	37.58	RMS	34.80	-20.80	0	51.58	54.00	-2.42	-	-	215	167	V
			* 5.14794	37.80	RMS	34.80	-20.80	0	51.80	54.00	-2.20	-	-	215	167	V
			* 5.14999	41.84	Pk	34.80	-20.80	0	55.84	-	-	74.00	-18.16	139	280	H
802.11ac(VHT160)	5180	ANT4	* 5.11924	44.95	Pk	34.80	-20.80	0	58.95	-	-	74.00	-15.05	139	280	H
			* 5.14999	30.51	RMS	34.80	-20.80	0	44.51	54.00	-9.49	-	-	139	280	H
			* 5.11984	32.27	RMS	34.80	-20.80	0	46.27	54.00	-7.73	-	-	139	280	H
			* 5.14999	46.19	Pk	34.80	-20.80	0	60.19	-	-	74.00	-13.81	212	172	V
			* 5.14702	52.23	Pk	34.80	-20.80	0	66.23	-	-	74.00	-7.77	212	172	V
			* 5.14999	35.72	RMS	34.80	-20.80	0	49.72	54.00	-4.28	-	-	212	172	V
			* 5.14869	37.59	RMS	34.80	-20.80	0	51.59	54.00	-2.41	-	-	212	172	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 / ANT4 / 5220 MHz)
5220 MHz HORIZONTAL



5220 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.

5220 MHz DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBµV)	Det	3117_00218957	5GHz_LP(dB)	Corrected Reading (dBµV/m)	Avg Limit (dBµV/m)	Margin (dB)	Peak Limit (dBµV/m)	Margin (dB)	UNII Non-Restricted (dBµV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.48018	50.84	PK-U	33.3	-33	51.14	-	-	-	-	68.2	-17.06	333	103	H
* 3.9985	48.74	PK-U	33.9	-31.9	50.74	-	-	74	-23.26	-	-	298	232	H
* 3.99943	37.08	ADR	33.9	-31.9	39.08	54	-14.92	-	-	-	-	298	232	H
* 4.67489	51.31	PK-U	34.5	-30.6	55.21	-	-	74	-18.79	-	-	356	119	H
* 4.67561	39.49	ADR	34.5	-30.7	43.29	54	-10.71	-	-	-	-	356	119	H
6.23301	40.49	PK-U	36.1	-26.9	49.69	-	-	-	-	68.2	-18.51	81	207	H
7.19969	38.59	PK-U	36.1	-25.2	49.49	-	-	-	-	68.2	-18.71	61	164	H
10.43727	46.5	PK-U	38.1	-21.1	63.5	-	-	-	-	68.2	-4.7	215	194	H
3.47996	51.6	PK-U	33.3	-33	51.9	-	-	-	-	68.2	-16.3	30	128	V
* 3.99999	55.16	PK-U	33.9	-31.9	57.16	-	-	74	-16.84	-	-	9	103	V
* 4.00008	50.98	ADR	33.9	-31.9	52.98	54	-1.02	-	-	-	-	9	103	V
* 4.6859	49.73	PK-U	34.5	-30.7	53.53	-	-	74	-20.47	-	-	266	118	V
* 4.67175	38.49	ADR	34.5	-30.6	42.39	54	-11.61	-	-	-	-	266	118	V
6.29253	38.28	PK-U	36.2	-26.9	47.58	-	-	-	-	68.2	-20.62	237	236	V
7.20009	43.51	PK-U	36.1	-25.2	54.41	-	-	-	-	68.2	-13.79	321	231	V
10.43742	49.78	PK-U	38.1	-21.1	66.78	-	-	-	-	68.2	-1.42	128	279	V

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

Note: In the above emissions, frequencies other than harmonic are local oscillator generated during product operation regardless of RF transmission and were measured only in worst mode.

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	10.363	36.90	PK-U	38.10	-20.80	0	54.20	-	-	-	-	68.20	-14.00	346	101	H	
			10.364	46.28	PK-U	38.10	-20.80	0	63.58	-	-	-	-	-	68.20	-4.62	169	189	V
	5220	MIMO	10.446	45.07	PK-U	38.10	-21.10	0	62.07	-	-	-	-	68.20	-6.13	165	374	H	
			10.438	47.82	PK-U	38.10	-21.10	0	64.82	-	-	-	-	-	68.20	-3.38	173	180	V
	5240	MIMO	10.475	46.30	PK2	38.20	-21.00	0	63.50	-	-	-	-	68.20	-4.70	165	369	H	
			* 15.7208	39.74	PK2	40.50	-21.20	0	59.04	-	-	74.00	-14.96	-	-	209	100	H	
			* 15.72015	24.83	MAV1	40.50	-21.20	0	44.13	54.00	-9.87	-	-	-	-	-	209	100	H
			10.478	45.31	PK2	38.20	-21.00	0	62.51	-	-	-	-	-	68.20	-5.69	121	121	V
			* 15.7212	39.91	PK2	40.50	-21.10	0	59.31	-	-	-	-	-	-	-	191	121	V
			* 15.7216	25.68	MAV1	40.50	-21.10	0	45.08	54.00	-8.92	-	-	-	-	-	191	121	V
802.11n(HT20)	5180	MIMO	10.358	36.35	PK-U	38.10	-20.80	0	53.65	-	-	-	-	68.20	-14.55	342	103	H	
			10.360	46.00	PK-U	38.10	-20.80	0	63.30	-	-	-	-	-	68.20	-4.30	164	394	V
	5220	MIMO	10.436	41.22	PK-U	38.10	-21.10	0	58.22	-	-	-	-	68.20	-9.98	179	100	H	
			10.441	47.10	PK-U	38.10	-21.10	0	64.10	-	-	-	-	-	68.20	-4.10	169	386	H
	5240	MIMO	10.488	43.81	PK2	38.20	-21.00	0	61.01	-	-	-	-	68.20	-7.19	167	369	H	
			10.482	46.94	PK2	38.20	-20.90	0	64.24	-	-	-	-	-	68.20	-3.96	200	379	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]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5180	ANT1	10.360	35.20	PK-U	38.10	-20.80	0	52.50	-	-	-	-	68.20	-15.70	57	100	H	
			10.360	34.83	PK-U	38.10	-20.80	0	52.13	-	-	-	-	-	68.20	-16.07	47	215	V
			* 15.53578	35.16	PK-U	40.20	-21.70	0	53.66	-	-	74.00	-20.34	-	-	-	82	143	H
			* 15.54068	23.29	ADR	40.20	-21.60	0	41.89	54.00	-12.11	-	-	-	-	-	82	143	H
			* 15.54137	39.04	PK-U	40.20	-21.60	0	57.64	-	-	74.00	-16.36	-	-	-	110	143	V
			* 15.54074	25.27	ADR	40.20	-21.60	0	43.87	54.00	-10.13	-	-	-	-	-	110	143	V
	5220	ANT1	10.444	34.59	PK-U	38.10	-21.10	0	51.59	-	-	-	-	-	68.20	-16.61	343	106	H
			10.437	45.97	PK-U	38.10	-21.10	0	62.97	-	-	-	-	-	68.20	-5.23	210	142	V
			15.66136	38.81	PK-U	40.40	-21.30	0	57.91	-	-	74.00	-16.09	-	-	85	147	H	
			* 15.66072	25.98	ADR	40.40	-21.30	0	45.08	54.00	-8.92	-	-	-	-	-	85	147	H
			15.66106	39.30	ADR	40.40	-21.30	0	58.40	-	-	74.00	-15.60	-	-	-	139	188	V
			* 15.66254	26.41	PK-U	40.40	-21.30	0	45.51	54.00	-8.49	-	-	-	-	-	139	188	V
	5240	ANT1	10.480	35.56	PK-U	38.20	-21.00	0	52.76	-	-	-	-	-	68.20	-15.44	344	104	H
			10.480	36.20	PK-U	38.20	-21.00	0	53.40	-	-	-	-	-	68.20	-14.80	41	209	V
			* 15.7175	38.32	PK-U	40.50	-21.10	0	57.72	-	-	74.00	-16.28	-	-	209	119	H	
			* 15.7221	26.23	ADR	40.50	-21.10	0	45.63	54.00	-8.37	-	-	-	-	-	209	119	H
			* 15.7196	39.49	ADR	40.50	-21.20	0	58.79	-	-	74.00	-15.21	-	-	-	100	129	V
			* 15.7207	26.68	PK-U	40.50	-21.20	0	45.98	54.00	-8.02	-	-	-	-	-	100	129	V
	802.11n(HT20)	5180	ANT1	10.360	35.34	PK-U	38.10	-20.80	0	52.64	-	-	-	-	68.20	-15.56	59	100	H
				* 15.54255	38.16	PK-U	40.20	-21.60	0	56.76	-	-	74.00	-17.24	-	-	83	101	H
* 15.5407				24.38	ADR	40.20	-21.60	0	42.98	54.00	-11.02	-	-	-	-	83	101	H	
10.360				35.46	PK-U	38.10	-20.80	0	52.76	-	-	-	-	-	68.20	-15.44	45	213	V
* 15.5443				38.23	PK-U	40.20	-21.60	0	56.83	-	-	74.00	-17.17	-	-	-	112	148	V
* 15.53865				24.89	ADR	40.20	-21.70	0	43.39	54.00	-10.61	-	-	-	-	-	112	148	V
5220		ANT1	10.440	35.15	PK-U	38.10	-21.10	0	52.15	-	-	-	-	-	68.20	-16.05	344	100	H
			* 15.66426	39.36	PK-U	40.40	-21.30	0	58.46	-	-	74.00	-15.54	-	-	87	100	H	
			* 15.66306	26.50	ADR	40.40	-21.30	0	45.60	54.00	-8.40	-	-	-	-	87	100	H	
			10.440	36.60	PK-U	38.10	-21.10	0	53.60	-	-	-	-	-	68.20	-14.60	45	212	V
			* 15.66267	39.66	PK-U	40.40	-21.30	0	58.76	-	-	74.00	-15.24	-	-	-	107	149	V
			* 15.6606	26.53	ADR	40.40	-21.30	0	45.63	54.00	-8.37	-	-	-	-	-	107	149	V
5240		ANT1	10.480	34.90	PK2	38.20	-21.00	0	52.10	-	-	-	-	-	68.20	-16.10	341	104	H
			* 15.72458	39.24	PK2	40.50	-21.10	0	58.64	-	-	74.00	-15.36	-	-	205	100	H	
5240	ANT1	* 15.72091	26.10	MAV1	40.50	-21.10	0	45.50	54.00	-8.50	-	-	-	-	205	100	H		
		10.480	35.14	PK2	38.20	-21.00	0	52.34	-	-	-	-	-	68.20	-15.86	40	209	V	
5240	ANT1	* 15.72428	39.63	PK2	40.50	-21.10	0	59.03	-	-	-	-	-	68.20	-14.97	104	140	V	
		* 15.71905	26.66	MAV1	40.50	-21.10	0	46.06	54.00	-7.94	-	-	-	-	-	104	140	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]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5180	ANT2	10.358	36.45	PK-U	38.10	-20.80	0	53.75	-	-	-	-	68.20	-14.45	57	106	H	
			10.365	36.25	PK-U	38.10	-20.80	0	53.55	-	-	-	-	-	68.20	-14.65	48	212	V
			* 15.53578	35.16	PK-U	40.20	-21.70	0	53.66	-	-	74.00	-20.34	-	-	-	82	143	H
			* 15.54068	23.29	ADR	40.20	-21.60	0	41.89	54.00	-12.11	-	-	-	-	-	82	143	H
			* 15.54137	39.04	PK-U	40.20	-21.60	0	57.64	-	-	74.00	-16.36	-	-	-	110	143	V
			* 15.54074	25.27	ADR	40.20	-21.60	0	43.87	54.00	-10.13	-	-	-	-	-	110	143	V
	5200	ANT2	10.444	37.72	PK-U	38.10	-21.10	0	54.72	-	-	-	-	-	68.20	-13.48	55	103	H
			* 15.6509	33.61	PK-U	40.40	-21.30	0	52.71	-	-	74.00	-21.29	-	-	79	113	H	
			* 15.66079	23.24	ADR	40.40	-21.30	0	42.34	54.00	-11.66	-	-	-	-	79	113	H	
			10.440	49.19	PK-U	38.10	-21.10	0	66.19	-	-	-	-	-	68.20	-2.01	169	110	V
			* 15.66171	38.24	ADR	40.40	-21.30	0	57.34	-	-	74.00	-16.66	-	-	-	169	121	V
			* 15.66356	24.89	PK-U	40.40	-21.30	0	43.99	54.00	-10.01	-	-	-	-	-	169	121	V
	5240	ANT2	10.480	34.57	PK2	38.20	-21.00	0	51.77	-	-	-	-	-	68.20	-16.43	340	100	H
			* 15.72165	37.19	PK2	40.50	-21.10	0	56.59	-	-	74.00	-17.41	-	-	76	108	H	
			* 15.7226	23.61	MAV1	40.50	-21.10	0	43.01	54.00	-10.99	-	-	-	-	76	108	H	
			10.479	49.16	PK2	38.20	-21.00	0	66.36	-	-	-	-	-	68.20	-1.84	172	100	V
			* 15.7215	36.35	PK2	40.50	-21.10	0	55.75	-	-	74.00	-18.25	-	-	-	165	114	V
			* 15.72095	23.73	MAV1	40.50	-21.10	0	43.13	54.00	-10.87	-	-	-	-	-	165	114	V
	802.11n(HT20)	5180	ANT2	10.366	36.73	PK-U	38.10	-20.80	0	53.75	-	-	-	-	68.20	-14.17	60	100	H
				10.360	35.39	PK-U	38.10	-20.80	0	53.55	-	-							

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	ANT3	10.360	37.74	PK-U	38.10	-20.80	0	55.04	-	-	-	-	68.20	-13.16	57	100	H	
			10.360	43.54	PK-U	38.10	-20.80	0	60.84	-	-	-	-	68.20	-7.36	206	103	V	
			* 15.53578	35.16	PK-U	40.20	-21.70	0	53.66	-	-	74.00	-20.34	-	-	-	82	143	H
			* 15.54068	23.29	ADR	40.20	-21.60	0	41.89	54.00	-12.11	-	-	-	-	-	82	143	H
			* 15.54137	39.04	PK-U	40.20	-21.60	0	57.64	-	-	74.00	-16.36	-	-	-	110	143	V
			* 15.54074	25.27	ADR	40.20	-21.60	0	43.87	54.00	-10.13	-	-	-	-	-	110	143	V
	5220	ANT3	10.440	43.02	PK-U	38.10	-21.10	0	60.02	-	-	-	-	68.20	-8.18	174	103	H	
			10.437	47.83	PK-U	38.10	-21.10	0	64.83	-	-	-	-	68.20	-3.37	204	110	V	
			10.477	42.39	PK-U	38.20	-21.00	0	59.59	-	-	-	-	68.20	-8.61	177	100	H	
	5240	ANT3	10.477	46.52	PK-U	38.20	-21.00	0	63.72	-	-	-	-	68.20	-4.48	208	101	V	
			* 15.73058	35.15	PK-U	40.50	-21.10	0	54.55	-	-	74.00	-19.45	-	-	84	100	H	
			* 15.72273	23.25	ADR	40.50	-21.10	0	42.65	54.00	-11.35	-	-	-	-	84	100	H	
			* 15.72171	36.52	PK-U	40.50	-21.10	0	55.92	-	-	74.00	-18.08	-	-	181	147	V	
			* 15.72153	23.80	ADR	40.50	-21.10	0	43.20	54.00	-10.80	-	-	-	-	181	147	V	
			10.477	42.39	PK-U	38.20	-21.00	0	59.59	-	-	-	-	-	68.20	-8.61	177	100	H
802.11n(HT20)	5180	ANT3	10.361	38.26	PK-U	38.10	-20.80	0	55.56	-	-	-	-	68.20	-12.64	61	100	H	
			10.357	42.94	PK-U	38.10	-20.80	0	60.24	-	-	-	-	68.20	-7.96	209	110	V	
	5220	ANT3	10.439	40.83	PK-U	38.10	-21.10	0	57.83	-	-	-	-	68.20	-10.37	65	100	H	
			10.441	45.93	PK-U	38.10	-21.00	0	63.03	-	-	-	-	68.20	-5.17	209	103	V	
	5240	ANT3	10.476	41.11	PK2	38.20	-21.00	0	58.31	-	-	-	-	68.20	-9.89	172	101	H	
			10.483	42.31	PK2	38.20	-21.00	0	59.51	-	-	-	-	68.20	-8.69	202	106	V	

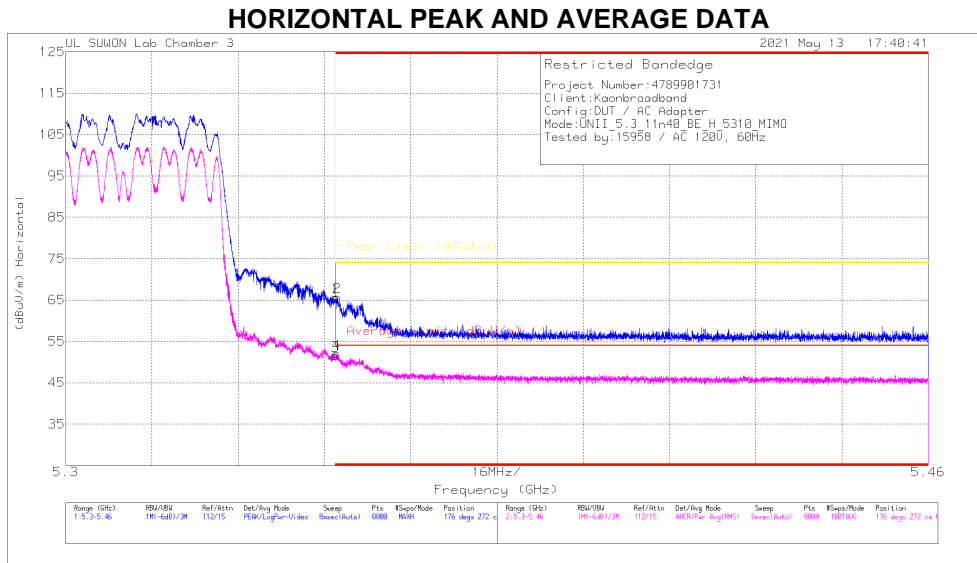
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5180	ANT4	10.360	38.37	PK-U	38.10	-20.80	0	53.67	-	-	-	-	68.20	-14.53	56	101	H
			10.360	45.47	PK-U	38.10	-20.80	0	62.77	-	-	-	-	68.20	-5.43	124	285	V
	5220	ANT4	10.437	46.50	PK-U	38.10	-21.10	0	63.50	-	-	-	-	68.20	-4.70	215	194	H
			10.437	49.78	PK-U	38.10	-21.10	0	66.78	-	-	-	-	68.20	-1.42	128	279	V
			10.478	43.72	PK2	38.20	-21.00	0	60.92	-	-	-	-	68.20	-7.28	183	191	H
			* 15.7175	40.22	PK2	40.50	-21.10	0	59.62	-	-	74.00	-14.38	-	-	78	101	H
			* 15.7211	26.71	MV1	40.50	-21.10	0	46.11	54.00	-7.89	-	-	-	-	78	101	H
			10.477	48.56	PK2	38.20	-21.00	0	65.76	-	-	-	-	68.20	-2.44	126	269	V
	5240	ANT4	* 15.721	37.86	PK2	40.50	-21.10	0	57.06	-	-	74.00	-16.94	-	-	96	100	V
			* 15.71825	24.81	MV1	40.50	-21.10	0	44.21	54.00	-9.79	-	-	-	-	96	100	V
			10.360	37.66	PK-U	38.10	-20.80	0	54.96	-	-	-	-	68.20	-13.24	344	103	H
			10.359	46.30	PK-U	38.10	-20.80	0	63.60	-	-	-	-	68.20	-4.60	127	286	V
802.11n(HT20)	5220	ANT4	10.439	41.88	PK-U	38.10	-21.10	0	58.88	-	-	-	-	68.20	-9.32	66	104	H
			10.439	48.68	PK-U	38.10	-21.10	0	65.68	-	-	-	-	68.20	-2.52	127	279	V
	5240	ANT4	10.480	41.44	PK-U	38.20	-21.00	0	58.64	-	-	-	-	68.20	-9.56	182	100	H
			10.479	49.49	PK-U	38.20	-21.00	0	66.69	-	-	-	-	68.20	-1.51	127	287	V

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

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

11.2. TX ABOVE 1GHz IN THE 5.3GHz BAND

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



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35001	51	Pk	35.1	-20.5	65.6	-	-	74	-8.4	176	272	H
2	* 5.35041	51.15	Pk	35.1	-20.5	65.75	-	-	74	-8.25	176	272	H
3	* 5.35001	36.99	RMS	35.1	-20.5	51.59	54	-2.41	-	-	176	272	H
4	* 5.35029	37.39	RMS	35.1	-20.5	51.99	54	-2.01	-	-	176	272	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	41.34	Pk	35.10	-20.50	0	55.94	-	-	74.00	-18.06	178	274	H
			* 5.37709	44.42	Pk	35.20	-20.40	0	59.22	-	-	74.00	-14.78	178	274	H
			* 5.35001	31.25	RMS	35.10	-20.50	0	45.85	54.00	-8.15	-	-	178	274	H
			* 5.42004	31.82	RMS	35.20	-20.30	0	46.72	54.00	-7.28	-	-	178	274	H
			* 5.35001	40.56	Pk	35.10	-20.50	0	55.16	-	-	74.00	-18.84	52	102	V
			* 5.35259	43.38	Pk	35.10	-20.50	0	57.98	-	-	74.00	-16.02	52	102	V
			* 5.35001	30.65	RMS	35.10	-20.50	0	45.25	54.00	-8.75	-	-	52	102	V
			* 5.36339	31.84	RMS	35.10	-20.40	0	46.54	54.00	-7.46	-	-	52	102	V
802.11n(HT20)	5320	MIMO	* 5.35001	42.16	Pk	35.10	-20.50	0	56.76	-	-	74.00	-17.24	178	177	H
			* 5.39085	43.89	Pk	35.20	-20.40	0	58.69	-	-	74.00	-15.31	178	177	H
			* 5.35001	31.52	RMS	35.10	-20.50	0	46.12	54.00	-7.88	-	-	178	177	H
			* 5.36511	32.06	RMS	35.10	-20.40	0	46.76	54.00	-7.24	-	-	178	177	H
			* 5.35001	42.19	Pk	35.10	-20.50	0	56.79	-	-	74.00	-17.21	51	192	V
			* 5.36691	43.57	Pk	35.10	-20.40	0	58.27	-	-	74.00	-15.73	51	192	V
			* 5.35001	30.81	RMS	35.10	-20.50	0	45.41	54.00	-8.59	-	-	51	192	V
			* 5.35131	32.32	RMS	35.10	-20.40	0	47.02	54.00	-6.98	-	-	51	192	V
802.11n(HT40)	5310	MIMO	* 5.35001	51.00	Pk	35.10	-20.50	0	65.60	-	-	74.00	-8.40	176	272	H
			* 5.35041	51.15	Pk	35.10	-20.50	0	65.75	-	-	74.00	-8.25	176	272	H
			* 5.35001	36.99	RMS	35.10	-20.50	0	51.59	54.00	-2.41	-	-	176	272	H
			* 5.35029	37.39	RMS	35.10	-20.50	0	51.99	54.00	-2.01	-	-	176	272	H
			* 5.35001	44.84	Pk	35.10	-20.50	0	59.44	-	-	74.00	-14.56	48	129	V
			* 5.35125	49.48	Pk	35.10	-20.40	0	64.18	-	-	74.00	-9.82	48	129	V
			* 5.35001	34.04	RMS	35.10	-20.50	0	48.64	54.00	-5.36	-	-	48	129	V
			* 5.35077	35.19	RMS	35.10	-20.50	0	49.79	54.00	-4.21	-	-	48	129	V
			* 5.35001	49.71	Pk	35.10	-20.50	0	64.31	-	-	74.00	-9.69	176	277	H
			* 5.35025	50.30	Pk	35.10	-20.50	0	64.90	-	-	74.00	-9.10	176	277	H
802.11ac(VHT80)	5290	MIMO	* 5.35001	36.33	RMS	35.10	-20.50	0	50.93	54.00	-3.07	-	-	176	277	H
			* 5.35035	37.30	RMS	35.10	-20.50	0	51.90	54.00	-2.10	-	-	176	277	H
			* 5.35001	44.73	Pk	35.10	-20.50	0	59.33	-	-	74.00	-14.67	48	100	V
			* 5.35197	50.06	Pk	35.10	-20.40	0	64.76	-	-	74.00	-9.24	48	100	V
			* 5.35001	34.09	RMS	35.10	-20.50	0	48.69	54.00	-5.31	-	-	48	100	V
			* 5.35093	35.53	RMS	35.10	-20.40	0	50.23	54.00	-3.77	-	-	48	100	V
			* 5.35001	44.02	Pk	35.10	-20.50	0	58.62	-	-	74.00	-15.38	6	167	H
			* 5.37553	48.20	Pk	35.20	-20.40	0	63.00	-	-	74.00	-11.00	6	167	H
			* 5.35001	32.71	RMS	35.10	-20.50	0	47.31	54.00	-6.69	-	-	6	167	H
			* 5.35833	34.87	RMS	35.10	-20.40	0	49.57	54.00	-4.43	-	-	6	167	H
802.11ac(VHT160)	5250	MIMO	* 5.35001	44.31	Pk	35.10	-20.50	0	58.91	-	-	74.00	-15.09	14	189	V
			* 5.38445	51.86	Pk	35.20	-20.40	0	66.66	-	-	74.00	-7.34	14	189	V
			* 5.35001	33.30	RMS	35.10	-20.50	0	47.90	54.00	-6.10	-	-	14	189	V
			* 5.35261	37.37	RMS	35.10	-20.50	0	51.97	54.00	-2.03	-	-	14	189	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
802.11a	5320	ANT1	* 5.35001	46.30	Pk	35.10	-20.50	0	60.90	-	-	74.00	-13.10	4	172	H
			* 5.35017	49.77	Pk	35.10	-20.50	0	64.37	-	-	74.00	-9.63	4	172	H
			* 5.35001	31.54	RMS	35.10	-20.50	0	46.14	54.00	-7.86	-	-	4	172	H
			* 5.35059	33.11	RMS	35.10	-20.50	0	47.71	54.00	-6.29	-	-	4	172	H
			* 5.35001	44.30	Pk	35.10	-20.50	0	58.90	-	-	74.00	-15.10	243	101	V
			* 5.35005	45.61	Pk	35.10	-20.50	0	60.21	-	-	74.00	-13.79	243	101	V
			* 5.35001	30.43	RMS	35.10	-20.50	0	45.03	54.00	-8.97	-	-	243	101	V
			* 5.36007	30.95	RMS	35.10	-20.40	0	45.69	54.00	-8.31	-	-	243	101	V
802.11n(HT20)	5320	ANT1	* 5.35001	44.47	Pk	35.10	-20.50	0	59.07	-	-	74.00	-14.93	8	173	H
			* 5.35137	49.59	Pk	35.10	-20.40	0	64.29	-	-	74.00	-9.71	8	173	H
			* 5.35001	31.83	RMS	35.10	-20.50	0	46.43	54.00	-7.57	-	-	8	173	H
			* 5.35007	33.28	RMS	35.10	-20.50	0	47.88	54.00	-6.12	-	-	8	173	H
			* 5.35001	40.80	Pk	35.10	-20.50	0	55.40	-	-	74.00	-18.60	243	101	V
			* 5.35241	46.27	Pk	35.10	-20.50	0	60.87	-	-	74.00	-13.13	243	101	V
			* 5.35001	30.50	RMS	35.10	-20.50	0	45.10	54.00	-8.90	-	-	243	101	V
			* 5.35019	31.30	RMS	35.10	-20.50	0	45.90	54.00	-8.10	-	-	243	101	V
			* 5.35001	51.96	Pk	35.10	-20.50	0	66.56	-	-	74.00	-7.44	8	173	H
			* 5.35071	53.69	Pk	35.10	-20.50	0	68.29	-	-	74.00	-5.71	8	173	H
802.11n(HT40)	5310	ANT1	* 5.35001	36.02	RMS	35.10	-20.50	0	50.62	54.00	-3.38	-	-	8	173	H
			* 5.35153	36.86	RMS	35.10	-20.40	0	51.56	54.00	-2.44	-	-	8	173	H
			* 5.35001	46.59	Pk	35.10	-20.50	0	61.19	-	-	74.00	-12.81	240	106	V
			* 5.35025	49.54	Pk	35.10	-20.50	0	64.14	-	-	74.00	-9.86	240	106	V
			* 5.35001	32.34	RMS	35.10	-20.50	0	46.94	54.00	-7.06	-	-	240	106	V
			* 5.35061	33.12	RMS	35.10	-20.50	0	47.72	54.00	-6.28	-	-	240	106	V
			* 5.35001	50.83	Pk	35.10	-20.50	0	65.43	-	-	74.00	-8.57	8	173	H
			* 5.35107	53.20	Pk	35.10	-20.40	0	67.90	-	-	74.00	-6.10	8	173	H
			* 5.35001	35.73	RMS	35.10	-20.50	0	50.33	54.00	-3.67	-	-	8	173	H
			* 5.35201	37.01	RMS	35.10	-20.40	0	51.71	54.00	-2.29	-	-	8	173	H
802.11ac(VHT80)	5290	ANT1	* 5.35001	46.76	Pk	35.10	-20.50	0	61.36	-	-	74.00	-12.64	239	100	V
			* 5.35571	49.92	Pk	35.10	-20.50	0	64.52	-	-	74.00	-9.48	239	100	V
			* 5.35001	31.51	RMS	35.10	-20.50	0	46.11	54.00	-7.89	-	-	239	100	V
			* 5.35611	33.55	RMS	35.10	-20.40	0	48.25	54.00	-5.75	-	-	239	100	V
			* 5.35001	47.11	Pk	35.10	-20.50	0	61.71	-	-	74.00	-12.29	9	180	H
			* 5.38299	52.57	Pk	35.20	-20.40	0	67.37	-	-	74.00	-6.63	9	180	H
			* 5.35001	35.45	RMS	35.10	-20.50	0	50.05	54.00	-3.95	-	-	9	180	H
			* 5.38329	36.95	RMS	35.20	-20.40	0	51.75	54.00	-2.25	-	-	9	180	H
			* 5.35001	42.77	Pk	35.10	-20.50	0	57.37	-	-	74.00	-16.63	237	112	V
			* 5.37505	47.85	Pk	35.20	-20.50	0	62.55	-	-	74.00	-11.45	237	112	V
802.11ac(VHT160)	5250	ANT1	* 5.35001	31.78	RMS	35.10	-20.50	0	46.38	54.00	-7.62	-	-	237	112	V
			* 5.35449	32.67	RMS	35.10	-20.40	0	47.37	54.00	-6.63	-	-	237	112	V

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

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	ANT2	* 5.35001	40.88	Pk	35.10	-20.50	0	55.48	-	-	74.00	-18.52	180	180	H
			* 5.39481	43.03	Pk	35.20	-20.40	0	57.83	-	-	74.00	-16.17	180	180	H
			* 5.35001	29.67	RMS	35.10	-20.50	0	44.27	54.00	-9.73	-	-	180	180	H
			* 5.40948	30.88	RMS	35.20	-20.30	0	45.78	54.00	-8.22	-	-	180	180	H
			* 5.35001	48.01	Pk	35.10	-20.50	0	62.61	-	-	74.00	-11.39	48	205	V
			* 5.35031	48.60	Pk	35.10	-20.50	0	63.20	-	-	74.00	-10.80	48	205	V
			* 5.35001	33.95	RMS	35.10	-20.50	0	48.55	54.00	-5.45	-	-	48	205	V
			* 5.35189	33.85	RMS	35.10	-20.40	0	48.55	54.00	-5.45	-	-	48	205	V
			* 5.35001	38.90	Pk	35.10	-20.50	0	53.50	-	-	74.00	-20.50	180	180	H
			* 5.42628	42.46	Pk	35.30	-20.30	0	57.46	-	-	74.00	-16.54	180	180	H
802.11n(HT20)	5320	ANT2	* 5.35001	29.51	RMS	35.10	-20.50	0	44.11	54.00	-9.89	-	-	180	180	H
			* 5.45774	30.70	RMS	35.30	-20.30	0	45.70	54.00	-8.30	-	-	180	180	H
			* 5.35001	47.48	Pk	35.10	-20.50	0	62.08	-	-	74.00	-11.92	48	209	V
			* 5.35401	49.30	Pk	35.10	-20.40	0	64.00	-	-	74.00	-10.00	48	209	V
			* 5.35001	33.20	RMS	35.10	-20.50	0	47.80	54.00	-6.20	-	-	48	209	V
			* 5.35037	34.37	RMS	35.10	-20.50	0	48.97	54.00	-5.03	-	-	48	209	V
			* 5.35001	40.32	Pk	35.10	-20.50	0	54.92	-	-	74.00	-19.08	180	181	H
			* 5.39143	42.22	Pk	35.20	-20.30	0	57.12	-	-	74.00	-16.88	180	181	H
			* 5.35001	29.39	RMS	35.10	-20.50	0	43.99	54.00	-10.01	-	-	180	181	H
			* 5.41228	31.04	RMS	35.20	-20.30	0	45.94	54.00	-8.06	-	-	180	181	H
802.11n(HT40)	5310	ANT2	* 5.35001	47.82	Pk	35.10	-20.50	0	62.42	-	-	74.00	-11.58	48	188	V
			* 5.35047	50.00	Pk	35.10	-20.50	0	64.60	-	-	74.00	-9.40	48	188	V
			* 5.35001	35.36	RMS	35.10	-20.50	0	49.96	54.00	-4.04	-	-	48	188	V
			* 5.35095	36.54	RMS	35.10	-20.40	0	51.24	54.00	-2.76	-	-	48	188	V
			* 5.35001	39.30	Pk	35.10	-20.50	0	53.90	-	-	74.00	-20.10	195	197	H
			* 5.44118	42.49	Pk	35.30	-20.30	0	57.49	-	-	74.00	-16.51	195	197	H
			* 5.35001	29.43	RMS	35.10	-20.50	0	44.03	54.00	-9.97	-	-	195	197	H
			* 5.35815	31.11	RMS	35.10	-20.40	0	45.81	54.00	-8.19	-	-	195	197	H
			* 5.35001	47.55	Pk	35.10	-20.50	0	62.15	-	-	74.00	-11.85	48	189	V
			* 5.36029	51.60	Pk	35.10	-20.50	0	66.20	-	-	74.00	-7.80	48	189	V
802.11ac(VHT80)	5290	ANT2	* 5.35001	36.37	RMS	35.10	-20.50	0	50.97	54.00	-3.03	-	-	48	189	V
			* 5.35081	37.33	RMS	35.10	-20.50	0	51.93	54.00	-2.07	-	-	48	189	V
			* 5.35001	37.47	Pk	35.10	-20.50	0	52.07	-	-	74.00	-21.93	300	112	H
			* 5.40762	40.26	Pk	35.20	-20.30	0	55.16	-	-	74.00	-18.84	300	112	H
			* 5.35001	27.28	RMS	35.10	-20.50	0	41.88	54.00	-12.12	-	-	300	112	H
			* 5.39379	28.41	RMS	35.20	-20.30	0	43.31	54.00	-10.69	-	-	300	112	H
			* 5.35001	47.07	Pk	35.10	-20.50	0	61.67	-	-	74.00	-12.33	49	200	V
			* 5.35547	51.30	Pk	35.10	-20.50	0	65.90	-	-	74.00	-8.10	49	200	V
			* 5.35001	36.25	RMS	35.10	-20.50	0	50.85	54.00	-3.15	-	-	49	200	V
			* 5.35509	37.38	RMS	35.10	-20.50	0	51.98	54.00	-2.02	-	-	49	200	V

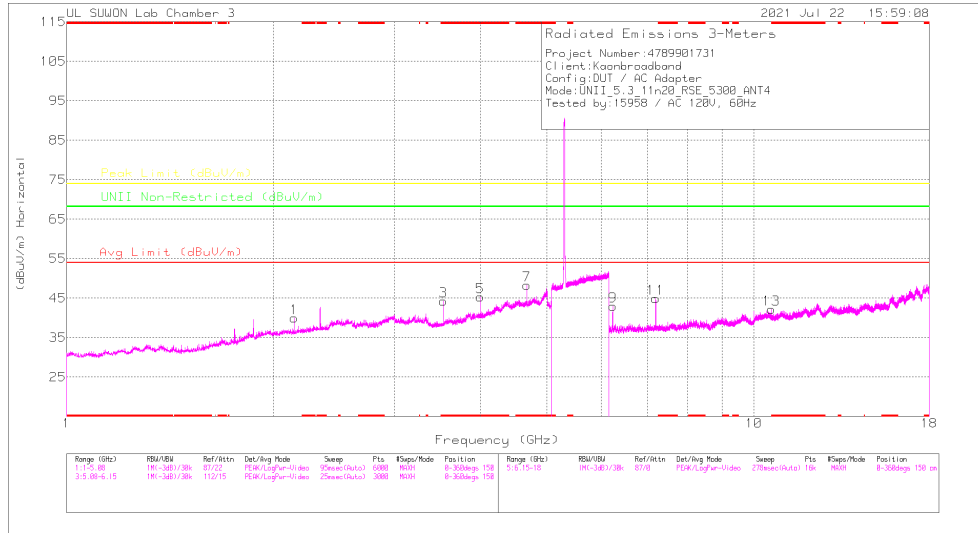
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5320	ANT3	* 5.35001	49.71	Pk	35.10	-20.50	0	64.31	-	-	74.00	-9.69	201	136	H
			* 5.35015	49.35	Pk	35.10	-20.50	0	63.95	-	-	74.00	-10.05	201	136	H
			* 5.35001	31.93	RMS	35.10	-20.50	0	46.53	54.00	-7.47	-	-	201	136	H
			* 5.35045	32.87	RMS	35.10	-20.50	0	47.47	54.00	-6.53	-	-	201	136	H
			* 5.35001	44.45	Pk	35.10	-20.50	0	59.05	-	-	74.00	-14.95	219	132	V
			* 5.35415	46.88	Pk	35.10	-20.40	0	61.58	-	-	74.00	-12.42	219	132	V
			* 5.35001	31.14	RMS	35.10	-20.50	0	45.74	54.00	-8.26	-	-	219	132	V
			* 5.35137	31.74	RMS	35.10	-20.40	0	46.44	54.00	-7.56	-	-	219	132	V
			* 5.35001	47.48	Pk	35.10	-20.50	0	62.08	-	-	74.00	-11.92	201	137	H
			* 5.35011	50.84	Pk	35.10	-20.50	0	65.44	-	-	74.00	-8.56	201	137	H
802.11n(HT20)	5320	ANT3	* 5.35001	32.26	RMS	35.10	-20.50	0	46.86	54.00	-7.14	-	-	201	137	H
			* 5.35007	33.07	RMS	35.10	-20.50	0	47.67	54.00	-6.33	-	-	201	137	H
			* 5.35001	44.45	Pk	35.10	-20.50	0	59.05	-	-	74.00	-14.95	219	132	V
			* 5.35415	46.88	Pk	35.10	-20.40	0	61.58	-	-	74.00	-12.42	219	132	V
			* 5.35001	31.14	RMS	35.10	-20.50	0	45.74	54.00	-8.26	-	-	219	132	V
			* 5.35137	31.74	RMS	35.10	-20.40	0	46.44	54.00	-7.56	-	-	219	132	V
			* 5.35001	51.52	Pk	35.10	-20.50	0	66.12	-	-	74.00	-7.88	205	136	H
			* 5.35061	54.06	Pk	35.10	-20.50	0	68.66	-	-	74.00	-5.34	205	136	H
			* 5.35001	34.08	RMS	35.10	-20.50	0	48.68	54.00	-5.32	-	-	205	136	H
			* 5.35097	35.61	RMS	35.10	-20.40	0	50.31	54.00	-3.69	-	-	205	136	H
802.11n(HT40)	5310	ANT3	* 5.35001	48.88	Pk	35.10	-20.50	0	63.48	-	-	74.00	-10.52	219	134	V
			* 5.35071	49.78	Pk	35.10	-20.50	0	64.38	-	-	74.00	-9.62	219	134	V
			* 5.35001	32.65	RMS	35.10	-20.50	0	47.25	54.00	-6.75	-	-	219	134	V
			* 5.35069	33.71	RMS	35.10	-20.50	0	48.31	54.00	-5.69	-	-	219	134	V
			* 5.35001	49.47	Pk	35.10	-20.50	0	64.07	-	-	74.00	-9.93	206	156	H
			* 5.35725	51.37	Pk	35.10	-20.40	0	66.07	-	-	74.00	-7.93	206	156	H
			* 5.35001	33.94	RMS	35.10	-20.50	0	48.54	54.00	-5.46	-	-	206	156	H
			* 5.35713	34.94	RMS	35.10	-20.40	0	49.64	54.00	-4.36	-	-	206	156	H
			* 5.35001	47.99	Pk	35.10	-20.50	0	62.59	-	-	74.00	-11.41	219	134	V
			* 5.35329	50.90	Pk	35.10	-20.50	0	65.50	-	-	74.00	-8.50	219	134	V
802.11ac(VHT80)	5290	ANT3	* 5.35001	31.67	RMS	35.10	-20.50	0	46.27	54.00	-7.73	-	-	219	134	V
			* 5.35253	33.62	RMS	35.10	-20.50	0	48.22	54.00	-5.78	-	-	219	134	V
			* 5.35001	46.63	Pk	35.10	-20.50	0	61.23	-	-	74.00	-12.77	204	149	H
			* 5.38357	52.06	Pk	35.20	-20.40	0	66.86	-	-	74.00	-7.14	204	149	H
			* 5.35001	33.07	RMS	35.10	-20.50	0	47.67	54.00	-6.33	-	-	204	149	H
			* 5.37629	35.23	RMS	35.20	-20.40	0	50.03	54.00	-3.97	-	-	204	149	H
			* 5.35001	40.80	Pk	35.10	-20.50	0	55.40	-	-	74.00	-18.60	222	153	V
			* 5.38561	47.86	Pk	35.20	-20.40	0	62.66	-	-	74.00	-11.34	222	153	V
			* 5.35001	30.63	RMS	35.10	-20.50	0	45.23	54.00	-8.77	-	-	222	153	V
			* 5.37533	31.91	RMS	35.20	-20.40	0	46.71	54.00	-7.29	-	-	222	153	V

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

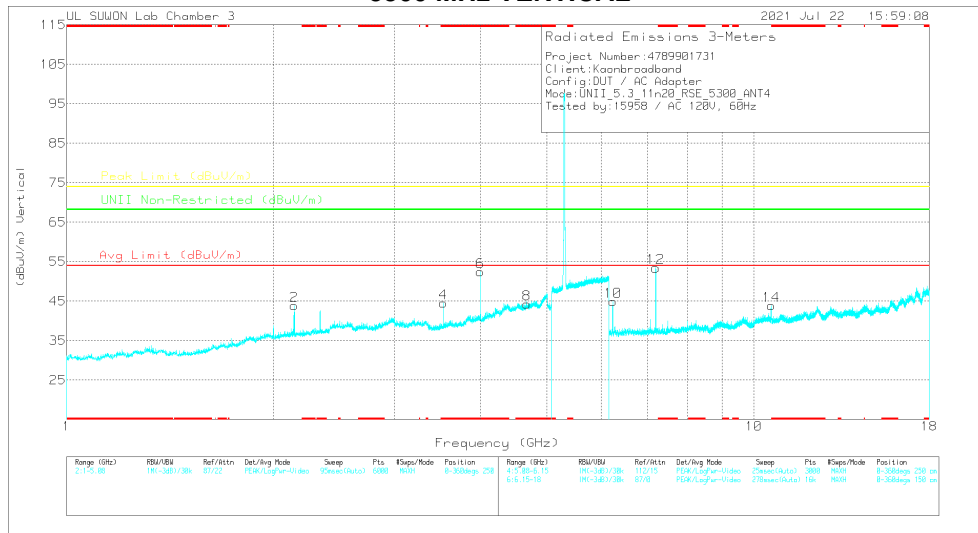
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5320	ANT4	* 5.35001	41.42	Pk	35.10	-20.50	0	56.02	-	-	74.00	-17.98	133	113	H
			* 5.35003	44.47	Pk	35.10	-20.50	0	59.07	-	-	74.00	-14.93	133	113	H
			* 5.35001	30.41	RMS	35.10	-20.50	0	45.01	54.00	-8.99	-	-	133	113	H
			* 5.40852	30.74	RMS	35.20	-20.30	0	45.64	54.00	-8.36	-	-	133	113	H
			* 5.35001	47.38	Pk	35.10	-20.50	0	61.98	-	-	74.00	-12.02	278	158	V
			* 5.35003	49.61	Pk	35.10	-20.50	0	64.21	-	-	74.00	-9.79	278	158	V
			* 5.35001	31.93	RMS	35.10	-20.50	0	46.53	54.00	-7.47	-	-	278	158	V
			* 5.35015	32.59	RMS	35.10	-20.50	0	47.19	54.00	-6.81	-	-	278	158	V
802.11n(HT20)	5320	ANT4	* 5.35001	40.74	Pk	35.10	-20.50	0	55.34	-	-	74.00	-18.66	132	108	H
			* 5.35375	44.42	Pk	35.10	-20.50	0	59.02	-	-	74.00	-14.98	132	108	H
			* 5.35001	29.34	RMS	35.10	-20.50	0	43.94	54.00	-10.06	-	-	132	108	H
			* 5.44688	30.63	RMS	35.30	-20.30	0	45.63	54.00	-8.37	-	-	132	108	H
			* 5.35001	46.90	Pk	35.10	-20.50	0	61.50	-	-	74.00	-12.50	282	111	V
			* 5.35181	49.56	Pk	35.10	-20.40	0	64.26	-	-	74.00	-9.74	282	111	V
			* 5.35001	31.33	RMS	35.10	-20.50	0	45.93	54.00	-8.07	-	-	282	111	V
			* 5.35059	32.64	RMS	35.10	-20.50	0	47.24	54.00	-6.76	-	-	282	111	V
802.11n(HT40)	5310	ANT4	* 5.35001	47.72	Pk	35.10	-20.50	0	62.32	-	-	74.00	-11.68	161	320	H
			* 5.35033	49.18	Pk	35.10	-20.50	0	63.78	-	-	74.00	-10.22	161	320	H
			* 5.35001	31.69	RMS	35.10	-20.50	0	46.29	54.00	-7.71	-	-	161	320	H
			* 5.35073	32.67	RMS	35.10	-20.50	0	47.27	54.00	-6.73	-	-	161	320	H
			* 5.35001	53.61	Pk	35.10	-20.50	0	68.21	-	-	74.00	-5.79	282	110	V
			* 5.35029	54.21	Pk	35.10	-20.50	0	68.81	-	-	74.00	-5.19	282	110	V
			* 5.35001	34.88	RMS	35.10	-20.50	0	49.48	54.00	-4.52	-	-	282	110	V
			* 5.35091	36.94	RMS	35.10	-20.50	0	51.54	54.00	-2.46	-	-	282	110	V
802.11ac(VHT80)	5290	ANT4	* 5.35001	47.04	Pk	35.10	-20.50	0	61.64	-	-	74.00	-12.36	165	194	H
			* 5.35367	52.20	Pk	35.10	-20.50	0	66.80	-	-	74.00	-7.20	165	194	H
			* 5.35001	31.35	RMS	35.10	-20.50	0	45.95	54.00	-8.05	-	-	165	194	H
			* 5.35921	32.49	RMS	35.10	-20.40	0	47.19	54.00	-6.81	-	-	165	194	H
			* 5.35001	50.67	Pk	35.10	-20.50	0	65.27	-	-	74.00	-8.73	282	116	V
			* 5.35087	53.89	Pk	35.10	-20.50	0	68.49	-	-	74.00	-5.51	282	116	V
			* 5.35001	34.80	RMS	35.10	-20.50	0	49.40	54.00	-4.60	-	-	282	116	V
			* 5.35125	36.73	RMS	35.10	-20.40	0	51.43	54.00	-2.57	-	-	282	116	V
802.11ac(VHT160)	5250	ANT4	* 5.35001	38.47	Pk	35.10	-20.50	0	53.07	-	-	74.00	-20.93	139	280	H
			* 5.35295	40.90	Pk	35.10	-20.50	0	55.50	-	-	74.00	-18.50	139	280	H
			* 5.35001	27.62	RMS	35.10	-20.50	0	42.22	54.00	-11.78	-	-	139	280	H
			* 5.38157	28.90	RMS	35.20	-20.40	0	43.70	54.00	-10.30	-	-	139	280	H
			* 5.35001	43.27	Pk	35.10	-20.50	0	57.87	-	-	74.00	-16.13	212	172	V
			* 5.35945	46.34	Pk	35.10	-20.40	0	61.04	-	-	74.00	-12.96	212	172	V
			* 5.35001	31.41	RMS	35.10	-20.50	0	46.01	54.00	-7.99	-	-	212	172	V
			* 5.35021	32.42	RMS	35.10	-20.50	0	47.02	54.00	-6.98	-	-	212	172	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: 802.11n HT20 / ANT4 / 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)	Meter Reading (dBuV)	Det	3117_00216957	5GHz_LP(dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNI Non-Restricted (dBuV/m)	Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
2.13883	50.54	PK-U	32	-34.7	47.84	-	-	-	-	68.2	-20.36	353	104	H
* 3.53365	50.01	PK-U	33.4	-32.7	50.71	-	-	74	-23.29	-	-	210	147	H
* 3.53321	41.98	ADR	33.4	-32.7	42.64	54	-11.36	-	-	-	-	210	147	H
* 3.99995	51.86	PK-U	33.9	-31.9	53.86	-	-	74	-20.14	-	-	33	105	H
* 3.99997	43.84	ADR	33.9	-31.9	45.84	54	-8.16	-	-	-	-	33	105	H
* 4.67582	51.56	PK-U	34.5	-30.7	55.36	-	-	74	-18.64	-	-	33	147	H
* 4.67558	38.93	ADR	34.5	-30.7	42.73	54	-11.27	-	-	-	-	33	147	H
6.23363	41.9	PK-U	36.1	-26.9	51.1	-	-	-	-	68.2	-17.1	32	190	H
7.19995	38.83	PK-U	36.1	-25.2	49.73	-	-	-	-	68.2	-18.47	26	111	H
* 10.60124	39.25	PK-U	38.3	-21	36.55	-	-	74	-17.45	-	-	48	138	H
* 10.60028	27.02	ADR	38.3	-21	44.32	54	-9.68	-	-	-	-	48	138	H
2.14234	61.35	PK-U	32	-34.7	58.65	-	-	-	-	68.2	-9.55	28	201	V
* 3.53324	51.1	PK-U	33.4	-32.7	51.8	-	-	74	-22.2	-	-	8	191	V
* 3.53332	42.23	ADR	33.4	-32.7	42.93	54	-11.07	-	-	-	-	8	191	V
* 3.99989	55.19	PK-U	33.9	-31.9	57.19	-	-	74	-16.81	-	-	8	103	V
* 4.00001	50.76	ADR	33.9	-31.9	52.76	54	-1.24	-	-	-	-	8	103	V
* 4.68088	50.14	PK-U	34.5	-30.7	53.94	-	-	74	-20.06	-	-	229	109	V
* 4.67736	38.41	ADR	34.5	-30.7	42.21	54	-11.79	-	-	-	-	229	109	V
6.23418	38.3	PK-U	36.1	-26.9	47.5	-	-	-	-	68.2	-20.7	260	178	V
7.19987	45.14	PK-U	36.1	-25.2	56.04	-	-	-	-	68.2	-12.16	358	147	V
* 10.60177	48.13	PK-U	38.3	-21	65.43	-	-	74	-8.57	-	-	172	222	V
* 10.6001	34.16	ADR	38.3	-21	51.46	54	-2.54	-	-	-	-	172	222	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

Note: In the above emissions, frequencies other than harmonic are local oscillator generated during product operation regardless of RF transmission and were measured only in worst mode.

HARMONICS AND SPOURIOUS 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	10.520	33.88	PK-U	38.20	-20.90	0	51.18	-	-	-	-	68.20	-17.02	12	102	H	
			10.520	43.38	PK-U	38.20	-20.90	0	60.68	-	-	-	-	-	68.20	-7.52	174	171	V
	5300	MIMO	* 10.60063	34.70	PK-U	38.30	-21.00	0	52.00	-	-	74.00	-22.00	-	-	-	49	100	H
			* 10.60017	25.41	ADR	38.30	-21.00	0	42.71	54.00	-11.29	-	-	-	-	-	49	100	H
			* 10.60055	43.98	PK-U	38.30	-21.00	0	61.28	-	-	74.00	-12.72	-	-	-	171	175	V
			* 10.60009	31.34	ADR	38.30	-21.00	0	48.64	54.00	-5.36	-	-	-	-	-	171	175	V
			* 10.6402	35.45	PK2	38.30	-21.10	0	52.65	-	-	74.00	-21.35	-	-	-	48	101	H
	5320	MIMO	* 10.63997	25.89	MAV1	38.30	-21.10	0	43.09	54.00	-10.91	-	-	-	-	-	48	101	H
			* 15.958	33.92	PK2	40.90	-20.50	0	54.32	-	-	74.00	-19.68	-	-	-	212	205	H
			* 15.96009	22.38	MAV1	40.90	-20.50	0	42.78	54.00	-11.22	-	-	-	-	-	212	205	H
			* 10.63981	36.31	PK2	38.30	-21.10	0	53.51	-	-	74.00	-20.49	-	-	-	42	221	V
			* 10.64002	26.60	MAV1	38.30	-21.10	0	43.80	54.00	-10.20	-	-	-	-	-	42	221	V
	802.11n(HT20)	5260	MIMO	10.519	34.63	PK-U	38.20	-21.00	0	51.83	-	-	-	-	68.20	-16.37	49	100	H
				10.525	41.18	PK-U	38.20	-20.90	0	58.48	-	-	-	-	-	68.20	-9.72	174	220
		5300	MIMO	* 10.60021	35.71	PK-U	38.30	-21.00	0	53.01	-	-	74.00	-20.99	-	-	-	50	100
* 10.60004				26.16	ADR	38.30	-21.00	0	43.46	54.00	-10.54	-	-	-	-	-	50	100	H
* 10.60497				41.42	PK-U	38.30	-20.90	0	58.82	-	-	74.00	-15.18	-	-	-	168	178	V
* 10.60014				29.96	ADR	38.30	-21.00	0	47.26	54.00	-6.74	-	-	-	-	-	168	178	V
* 10.64025				35.52	PK-U	38.30	-21.10	0	52.72	-	-	74.00	-21.28	-	-	-	49	101	H
5320		MIMO	* 10.64007	25.81	ADR	38.30	-21.10	0	43.01	54.00	-10.99	-	-	-	-	-	49	101	H
			* 10.63487	42.20	PK-U	38.30	-21.00	0	59.50	-	-	74.00	-14.50	-	-	-	167	193	V
			* 10.64042	29.41	ADR	38.30	-21.10	0	46.61	54.00	-7.39	-	-	-	-	-	167	193	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]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5260	ANT1	10.520	33.36	PK-U	38.20	-21.00	0	50.56	-	-	-	-	68.20	-17.64	16	100	H	
			10.520	35.64	PK-U	38.20	-21.00	0	52.84	-	-	-	-	-	68.20	-15.36	41	208	V
	5300	ANT1	* 10.60035	33.49	PK-U	38.30	-21.00	0	50.79	-	-	74.00	-23.21	-	-	-	10	100	H
			* 10.60007	24.33	ADR	38.30	-21.00	0	41.63	54.00	-12.37	-	-	-	-	-	10	100	H
			* 10.60017	34.10	PK-U	38.30	-21.00	0	51.40	-	-	74.00	-22.60	-	-	-	43	211	V
			* 10.60003	25.73	ADR	38.30	-21.00	0	43.03	54.00	-10.97	-	-	-	-	-	43	211	V
	5320	ANT1	* 10.64034	34.47	PK-U	38.30	-21.10	0	51.67	-	-	74.00	-22.33	-	-	-	12	103	H
			* 10.64007	25.58	ADR	38.30	-21.10	0	42.78	54.00	-11.22	-	-	-	-	-	12	103	H
			* 10.63995	35.06	PK-U	38.30	-21.10	0	52.26	-	-	74.00	-21.74	-	-	-	41	216	V
			* 10.6398	26.40	ADR	38.30	-21.10	0	43.60	54.00	-10.40	-	-	-	-	-	41	216	V
802.11n(HT20)	5260	ANT1	10.520	34.03	PK-U	38.20	-20.90	0	51.33	-	-	-	-	68.20	-16.87	12	101	H	
			10.520	34.59	PK-U	38.20	-21.00	0	51.79	-	-	-	-	-	68.20	-16.41	44	212	V
	5300	ANT1	* 10.60024	34.15	PK-U	38.30	-21.00	0	51.45	-	-	74.00	-22.55	-	-	-	15	100	H
			* 10.60014	24.90	ADR	38.30	-21.00	0	42.20	54.00	-11.80	-	-	-	-	-	15	100	H
			* 10.60001	36.18	PK-U	38.30	-21.00	0	53.48	-	-	74.00	-20.52	-	-	-	44	204	V
			* 10.60003	26.03	ADR	38.30	-21.00	0	43.33	54.00	-10.67	-	-	-	-	-	44	204	V
	5320	ANT1	* 10.63982	34.80	PK-U	38.30	-21.10	0	52.00	-	-	74.00	-22.00	-	-	-	49	101	H
			* 10.63999	24.96	ADR	38.30	-21.10	0	42.16	54.00	-11.84	-	-	-	-	-	49	101	H
			* 10.63997	26.13	ADR	38.30	-21.10	0	43.33	54.00	-10.67	-	-	-	-	-	47	209	V
			* 10.64016	35.10	PK-U	38.30	-21.10	0	52.30	-	-	74.00	-21.70	-	-	-	47	209	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]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5260	ANT2	10.519	34.98	PK-U	38.20	-21.00	0	52.18	-	-	-	-	68.20	-16.02	16	100	H	
			10.520	37.03	PK-U	38.20	-20.90	0	54.33	-	-	-	-	-	68.20	-13.87	44	213	V
	5300	ANT2	* 10.60116	34.95	PK-U	38.30	-21.00	0	52.25	-	-	74.00	-21.75	-	-	-	12	100	H
			* 10.60002	25.40	ADR	38.30	-21.00	0	42.70	54.00	-11.30	-	-	-	-	-	12	100	H
			* 10.60005	38.75	PK-U	38.30	-21.00	0	56.05	-	-	74.00	-17.95	-	-	-	41	210	V
			* 10.60003	26.58	ADR	38.30	-21.00	0	43.88	54.00	-10.12	-	-	-	-	-	41	210	V
			* 10.63804	37.41	PK2	38.30	-21.00	0	54.71	-	-	74.00	-19.29	-	-	-	47	100	H
	5320	ANT2	* 10.64006	25.46	MAV1	38.30	-21.10	0	42.66	54.00	-11.34	-	-	-	-	-	47	100	H
			* 15.96745	35.06	PK2	40.90	-20.50	0	55.46	-	-	74.00	-18.54	-	-	-	74	104	H
			* 15.95886	22.89	MAV1	40.90	-20.50	0	43.29	54.00	-10.71	-	-	-	-	-	74	104	H
			* 10.64015	36.79	PK2	38.30	-21.10	0	53.99	-	-	74.00	-20.01	-	-	-	41	227	V
			* 10.64	26.43	MAV1	38.30	-21.10	0	43.63	54.00	-10.37	-	-	-	-	-	41	227	V
	802.11n(HT20)	5260	ANT2	10.513	34.71	PK-U	38.20	-20.90	0	52.01	-	-	-	-	68.20	-16.19	15	101	H
				10.516	47.79	PK-U	38.20	-20.90	0	65.09	-	-	-	-	-	68.20	-3.11	168	107
		5300	ANT2	* 10.60041	40.17	PK-U	38.30	-21.00	0	57.47	-	-	74.00	-16.53	-	-	-	50	103
* 10.60002				25.62	ADR	38.30	-21.00	0	42.92	54.00	-11.08	-	-	-	-	-	50	103	H
* 10.60001				51.85	PK-U	38.30	-21.00	0	69.15	-	-	74.00	-4.85	-	-	-	167	124	V
* 10.60127				30.81	ADR	38.30	-21.00	0	48.11	54.00	-5.89	-	-	-	-	-	167	124	V
* 10.64002				25.06	ADR	38.30	-21.10	0	42.26	54.00	-11.74	-	-	-	-	-	343	104	H
5320		ANT2	* 10.64148	27.52	ADR	38.30	-21.00	0	44.82	54.00	-9.18	-	-	-	-	-	171	294	V
			* 10.63981	34.74	PK-U	38.30	-21.10	0	51.94	-	-	74.00	-22.06	-	-	-	343	104	H
			* 10.64707	48.94	PK-U	38.30	-21.10	0	66.14	-	-	74.00	-7.86	-	-	-	171	294	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

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	ANT3	10.520	38.37	PK-U	38.20	-20.90	0	55.67	-	-	-	-	68.20	-12.53	67	100	H	
			10.516	43.62	PK-U	38.20	-20.90	0	60.92	-	-	-	-	-	68.20	-7.28	204	101	V
	5300	ANT3	* 10.60017	37.35	PK-U	38.30	-21.00	0	54.65	-	-	74.00	-19.35	-	-	-	51	103	H
			* 10.60008	25.55	ADR	38.30	-21.00	0	42.85	54.00	-11.15	-	-	-	-	-	51	103	H
			* 10.60089	44.97	PK-U	38.30	-21.00	0	62.27	-	-	74.00	-11.73	-	-	-	204	100	V
			* 10.60128	31.47	ADR	38.30	-21.00	0	48.77	54.00	-5.23	-	-	-	-	-	204	100	V
	5320	ANT3	* 10.64013	38.20	PK-U	38.30	-21.10	0	55.40	-	-	74.00	-18.60	-	-	-	51	101	H
			* 10.64007	26.05	ADR	38.30	-21.10	0	43.25	54.00	-10.75	-	-	-	-	-	51	101	H
			* 10.64053	43.54	PK-U	38.30	-21.10	0	60.74	-	-	74.00	-13.26	-	-	-	203	103	V
			* 10.63968	28.39	ADR	38.30	-21.10	0	45.59	54.00	-8.41	-	-	-	-	-	203	103	V
	802.11n(HT20)	5260	ANT3	10.520	34.30	PK-U	38.20	-21.00	0	51.50	-	-	-	-	68.20	-16.70	343	103	H
				10.522	42.58	PK-U	38.20	-20.90	0	59.88	-	-	-	-	-	68.20	-8.32	208	103
5300		ANT3	* 10.60035	36.92	PK-U	38.30	-21.00	0	54.22	-	-	74.00	-19.78	-	-	-	51	106	H
			* 10.60013	25.52	ADR	38.30	-21.00	0	42.82	54.00	-11.18	-	-	-	-	51	106	H	
			* 10.60476	37.83	PK-U	38.30	-20.90	0	55.23	-	-	74.00	-18.77	-	-	-	72	233	V
			* 10.60011	24.28	ADR	38.30	-21.00	0	41.58	54.00	-12.42	-	-	-	-	-	72	233	V
5320		ANT3	* 10.63982	34.80	PK-U	38.30	-21.10	0	52.00	-	-	74.00	-22.00	-	-	-	49	101	H
			* 10.63999	24.96	ADR	38.30	-21.10	0	42.16	54.00	-11.84	-	-	-	-	-	49	101	H
			* 10.64000	44.62	PK-U	38.30	-21.10	0	62.27	-	-	74.00	-12.08	-	-	-	205	106	V
			* 10.63996	28.78	ADR	38.30	-21.10	0	45.98	54.00	-8.02	-	-	-	-	-	205	106	V

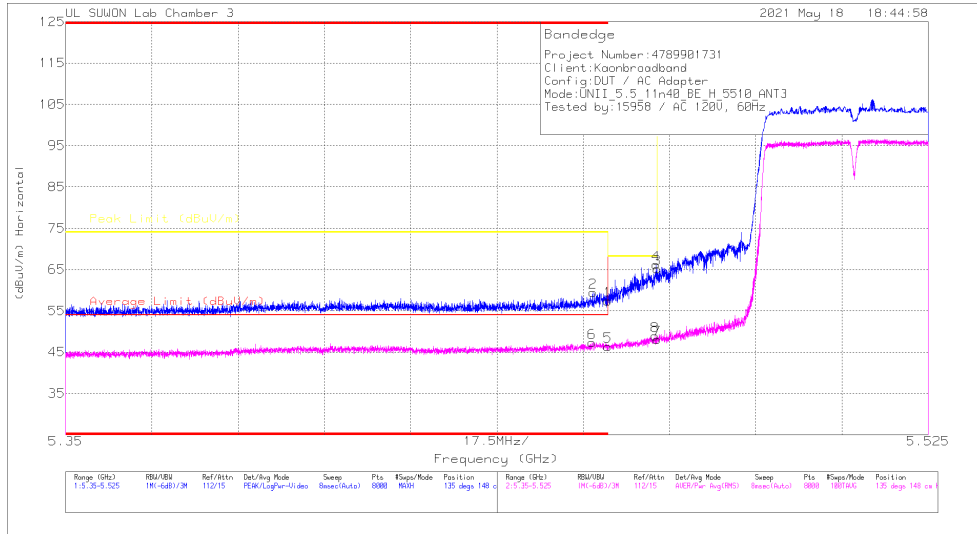
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5260	ANT4	10.519	37.97	PK-U	38.20	-21.00	0	55.17	-	-	-	-	68.20	-13.03	216	194	H	
			10.519	43.93	PK-U	38.20	-21.00	0	61.13	-	-	-	-	-	68.20	-7.07	129	283	V
	5300	ANT4	* 10.60094	38.01	PK-U	38.30	-21.00	0	55.31	-	-	74.00	-18.69	-	-	-	47	120	H
			* 10.60029	27.10	ADR	38.30	-21.00	0	44.40	54.00	-9.60	-	-	-	-	47	120	H	
			* 10.60099	42.88	PK-U	38.30	-21.00	0	60.18	-	-	74.00	-13.82	-	-	-	127	281	V
			* 10.60061	32.01	ADR	38.30	-21.00	0	49.31	54.00	-4.69	-	-	-	-	-	127	281	V
	5320	ANT4	* 10.63984	36.36	PK-U	38.30	-21.10	0	53.56	-	-	74.00	-20.44	-	-	-	46	102	H
			* 10.64006	26.08	ADR	38.30	-21.10	0	43.28	54.00	-10.72	-	-	-	-	46	102	H	
			* 10.6384	42.01	PK-U	38.30	-21.00	0	59.31	-	-	74.00	-14.69	-	-	-	129	160	V
			* 10.64035	30.92	ADR	38.30	-21.10	0	48.12	54.00	-5.88	-	-	-	-	-	129	160	V
	802.11n(HT20)	5260	ANT4	10.522	39.08	PK-U	38.20	-20.90	0	56.38	-	-	-	-	68.20	-11.82	49	150	H
				10.521	44.98	PK-U	38.20	-20.90	0	62.29	-	-	-	-	-	68.20	-5.91	130	286
5300		ANT4	* 10.60124	39.25	PK-U	38.30	-21.00	0	56.55	-	-	74.00	-17.45	-	-	-	48	138	H
			* 10.60028	27.02	ADR	38.30	-21.00	0	44.32	54.00	-9.68	-	-	-	-	48	138	H	
			* 10.60177	48.13	PK-U	38.30	-21.00	0	65.43	-	-	74.00	-8.57	-	-	-	172	222	V
			* 10.6001	34.16	ADR	38.30	-21.00	0	51.46	54.00	-2.54	-	-	-	-	-	172	222	V
5320		ANT4	10.600	47.51	PK-U	38.30	-21.00	0	64.81	-	-	-	-	-	68.20	-3.39	172	222	V
			* 10.63978	36.49	PK-U	38.30	-21.10	0	53.69	-	-	74.00	-20.31	-	-	-	49	108	H
			* 10.64005	26.24	ADR	38.30	-21.10	0	43.44	54.00	-10.56	-	-	-	-	-	49	108	H
			* 10.64384	42.45	PK-U	38.30	-21.10	0	59.65	-	-	74.00	-14.35	-	-	-	130	287	V
				* 10.6382	31.05	ADR	38.30	-21.00	0	48.35	54.00	-5.65	-	-	-	-	130	287	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 IN THE 5.5 GHz BAND

BANDEDGE (WORST CASE: 802.11n HT40 / ANT3 / 5510 MHz)

VERTICAL PEAK AND AVERAGE DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	10dB_ATT[dB]	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.45998	42.43	Pk	35.3	-20.3	57.43	-	-	74	-16.57	135	148	H
2	* 5.45701	44.5	Pk	35.3	-20.3	59.5	-	-	74	-14.5	135	148	H
3	5.46998	50.07	Pk	35.3	-20.2	65.17	-	-	68.2	-3.03	135	148	H
4	5.46976	51.04	Pk	35.3	-20.2	66.14	-	-	68.2	-2.06	135	148	H
5	* 5.45998	31.38	RMS	35.3	-20.3	46.38	54	-7.62	-	-	135	148	H
6	* 5.45676	32.36	RMS	35.3	-20.3	47.36	54	-6.64	-	-	135	148	H
7	5.46998	32.98	RMS	35.3	-20.2	48.08	-	-	-	-	135	148	H
8	5.46956	33.92	RMS	35.3	-20.3	48.92	-	-	-	-	135	148	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	5500	MIMO	* 5.45998	41.32	Pk	35.30	-20.30	0	56.32	-	-	74.00	-17.68	132	143	H			
			* 5.41778	42.87	Pk	35.20	-20.30	0	57.77	-	-	74.00	-16.23	132	143	H			
			5.46998	40.03	Pk	35.30	-20.20	0	55.13	-	-	68.20	-13.07	132	143	H			
			5.46261	41.95	Pk	35.30	-20.30	0	56.95	-	-	68.20	-11.25	132	143	H			
			* 5.45998	30.63	RMS	35.30	-20.30	0	45.63	54.00	-8.37	-	-	-	132	143	H		
			* 5.45504	31.30	RMS	35.30	-20.30	0	46.30	54.00	-7.70	-	-	-	132	143	H		
			* 5.45998	40.54	Pk	35.30	-20.30	0	55.54	-	-	74.00	-18.46	35	197	V			
			* 5.45526	42.56	Pk	35.30	-20.30	0	57.56	-	-	74.00	-16.44	35	197	V			
			5.46998	40.83	Pk	35.30	-20.20	0	55.93	-	-	68.20	-12.27	35	197	V			
			5.46392	42.71	Pk	35.30	-20.20	0	57.81	-	-	68.20	-10.39	35	197	V			
			* 5.45998	29.61	RMS	35.30	-20.30	0	44.61	54.00	-9.39	-	-	-	35	197	V		
			* 5.45648	30.29	RMS	35.30	-20.20	0	45.39	54.00	-8.61	-	-	-	35	197	V		
			5.72500	39.46	Pk	35.70	-19.70	0	55.46	-	-	68.20	-12.74	165	247	H			
			5.73743	41.69	Pk	35.70	-19.60	0	57.79	-	-	68.20	-10.41	165	247	H			
			5.72500	39.44	Pk	35.70	-19.70	0	55.44	-	-	68.20	-12.76	324	200	V			
			5.72643	42.43	Pk	35.70	-19.60	0	58.53	-	-	68.20	-9.67	324	200	V			
			802.11n(HT20)	5500	MIMO	* 5.45998	40.05	Pk	35.30	-20.30	0	55.05	-	-	74.00	-18.95	130	144	H
						* 5.45666	42.92	Pk	35.30	-20.20	0	58.02	-	-	74.00	-15.98	130	144	H
5.46998	42.34	Pk				35.30	-20.20	0	57.44	-	-	68.20	-10.76	130	144	H			
5.46423	42.60	Pk				35.30	-20.20	0	57.70	-	-	68.20	-10.50	130	144	H			
* 5.45998	30.41	RMS				35.30	-20.30	0	45.41	54.00	-8.59	-	-	-	130	144	H		
* 5.45504	31.29	RMS				35.30	-20.30	0	46.29	54.00	-7.71	-	-	-	130	144	H		
* 5.45998	39.32	Pk				35.30	-20.30	0	54.32	-	-	74.00	-19.68	36	195	V			
* 5.44615	42.52	Pk				35.30	-20.30	0	57.52	-	-	74.00	-16.48	36	195	V			
5.46998	39.51	Pk				35.30	-20.20	0	54.61	-	-	68.20	-13.59	36	195	V			
5.46985	42.09	Pk				35.30	-20.20	0	57.19	-	-	68.20	-11.01	36	195	V			
* 5.45998	29.96	RMS				35.30	-20.30	0	44.96	54.00	-9.04	-	-	-	36	195	V		
* 5.45744	30.85	RMS				35.30	-20.30	0	45.85	54.00	-8.15	-	-	-	36	195	V		
5.72500	38.74	Pk		35.70	-19.70	0	54.74	-	-	68.20	-13.46	180	248	H					
5.72613	45.39	Pk		35.70	-19.60	0	61.49	-	-	68.20	-6.71	180	248	H					
5.72500	39.73	Pk		35.70	-19.70	0	55.73	-	-	68.20	-12.47	326	177	V					
5.72833	42.46	Pk		35.70	-19.60	0	58.56	-	-	68.20	-9.64	326	177	V					
802.11n(HT40)	5510	MIMO		* 5.45998	41.51	Pk	35.30	-20.30	0	56.51	-	-	74.00	-17.49	185	170	H		
				* 5.45576	43.37	Pk	35.30	-20.30	0	58.37	-	-	74.00	-15.63	185	170	H		
				5.46998	44.10	Pk	35.30	-20.20	0	59.20	-	-	68.20	-9.00	185	170	H		
				5.46902	46.58	Pk	35.30	-20.30	0	61.58	-	-	68.20	-6.62	185	170	H		
				* 5.45998	29.86	RMS	35.30	-20.30	0	44.86	54.00	-9.14	-	-	-	185	170	H	
				* 5.45858	32.10	RMS	35.30	-20.30	0	47.10	54.00	-6.90	-	-	-	185	170	H	
				* 5.45998	43.74	Pk	35.30	-20.30	0	58.74	-	-	74.00	-15.26	37	188	V		
				* 5.45816	45.58	Pk	35.30	-20.30	0	60.58	-	-	74.00	-13.42	37	188	V		
			5.46998	49.36	Pk	35.30	-20.20	0	64.46	-	-	68.20	-3.74	37	188	V			
			5.46991	50.15	Pk	35.30	-20.20	0	65.25	-	-	68.20	-2.95	37	188	V			
			* 5.45998	31.86	RMS	35.30	-20.30	0	46.86	54.00	-7.14	-	-	-	37	188	V		
			* 5.45806	32.98	RMS	35.30	-20.30	0	47.98	54.00	-6.02	-	-	-	37	188	V		
802.11ac(VHT80)	5530	MIMO	5.72500	41.91	Pk	35.70	-19.70	0	57.91	-	-	68.20	-10.29	215	177	H			
			5.73050	44.59	Pk	35.70	-19.60	0	60.69	-	-	68.20	-7.51	215	177	H			
			5.72500	45.88	Pk	35.70	-19.70	0	61.88	-	-	68.20	-6.32	304	195	V			
			5.72639	45.60	Pk	35.70	-19.60	0	61.70	-	-	68.20	-6.50	304	195	V			
			* 5.45998	42.35	Pk	35.30	-20.30	0	57.35	-	-	74.00	-16.65	221	176	H			
			* 5.45967	47.40	Pk	35.30	-20.30	0	62.40	-	-	74.00	-11.60	221	176	H			
	5560	MIMO	5.46998	43.12	Pk	35.30	-20.20	0	58.22	-	-	68.20	-9.98	221	176	H			
			5.46132	47.63	Pk	35.30	-20.20	0	62.73	-	-	68.20	-5.47	221	176	H			
			* 5.45998	31.80	RMS	35.30	-20.30	0	46.80	54.00	-7.20	-	-	-	221	176	H		
			* 5.45959	32.67	RMS	35.30	-20.30	0	47.67	54.00	-6.33	-	-	-	221	176	H		
			* 5.45998	46.60	Pk	35.30	-20.30	0	61.60	-	-	74.00	-12.40	31	177	V			
			* 5.45521	50.76	Pk	35.30	-20.30	0	65.76	-	-	74.00	-8.24	31	177	V			
802.11ac(VHT160)	5570 (Low)	MIMO	5.46998	47.86	Pk	35.30	-20.20	0	62.96	-	-	68.20	-5.24	31	177	V			
			5.46547	50.13	Pk	35.30	-20.30	0	65.13	-	-	68.20	-3.07	31	177	V			
			* 5.45998	34.34	RMS	35.30	-20.30	0	49.34	54.00	-4.66	-	-	-	31	177	V		
			* 5.45709	35.54	RMS	35.30	-20.30	0	50.54	54.00	-3.46	-	-	-	31	177	V		
			5.72500	40.50	Pk	35.70	-19.70	0	56.50	-	-	68.20	-11.70	165	218	H			
			5.72420	42.53	Pk	35.70	-19.60	0	58.63	-	-	68.20	-9.57	165	218	H			
	5570 (High)	MIMO	5.72500	40.30	Pk	35.70	-19.70	0	56.30	-	-	68.20	-11.90	313	102	V			
			5.72530	42.90	Pk	35.70	-19.70	0	58.90	-	-	68.20	-9.30	313	102	V			
			* 5.45998	43.82	Pk	35.30	-20.30	0	58.82	-	-	74.00	-15.18	185	257	H			
			* 5.456	50.80	Pk	35.30	-20.30	0	65.80	-	-	74.00	-8.20	185	257	H			
			5.46998	43.44	Pk	35.30	-20.20	0	58.54	-	-	68.20	-9.66	185	257	H			
			5.46829	48.67	Pk	35.30	-20.30	0	63.67	-	-	68.20	-4.53	185	257	H			
802.11ac(VHT160)	5570 (Low)	MIMO	* 5.45998	32.19	RMS	35.30	-20.30	0	47.19	54.00	-6.81	-	-	185	257	H			
			* 5.45821	35.16	RMS	35.30	-20.30	0	50.16	54.00	-3.84	-	-	185	257	H			
			* 5.45998	45.04	Pk	35.30	-20.30	0	60.04	-	-	74.00	-13.96	312	209	V			
			* 5.45488	48.42	Pk	35.30	-20.30	0	63.42	-	-	74.00	-10.58	312	209	V			
			5.46998	45.65	Pk	35.30	-20.20	0	60.75	-	-	68.20	-7.45	312	209	V			
			5.46685	50.82	Pk	35.30	-20.30	0	65.82	-	-	68.20	-2.38	312	209	V			
	5570 (High)	MIMO	* 5.45998	33.83	RMS	35.30	-20.30	0	48.83	54.00	-5.17	-	-	312	209	V			
			* 5.45661	35.19	RMS	35.30	-20.20	0	50.29	54.00	-3.71	-	-	312	209	V			
			5.72501	41.17	Pk	35.70	-19.70	0	57.17	-	-	68.20	-11.03	218	155	H			
			5.72596	44.11	Pk	35.70	-19.60	0	60.21	-	-	68.20	-7.99	218	155	H			
			5.72501	46.70	Pk	35.70	-19.70	0	62.70	-	-	68.20	-5.50	311	193	V			
			5.72503	47.98	Pk	35.70	-19.70	0	63.98	-	-	68.20	-4.22	311	193	V			

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

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	ANT1	* 5.45998	41.90	Pk	35.30	-20.30	0	56.90	-	-	74.00	-17.10	179	241	H
			* 5.45033	43.34	Pk	35.30	-20.30	0	58.34	-	-	74.00	-15.66	179	241	H
			5.46998	46.04	Pk	35.30	-20.20	0	61.14	-	-	68.20	-7.06	179	241	H
			5.46976	49.93	Pk	35.30	-20.20	0	65.03	-	-	68.20	-3.17	179	241	H
			* 5.45998	30.16	RMS	35.30	-20.30	0	45.16	54.00	-8.84	-	-	179	241	H
			* 5.45149	31.20	RMS	35.30	-20.20	0	46.30	54.00	-7.70	-	-	179	241	H
			* 5.45998	40.02	Pk	35.30	-20.30	0	55.02	-	-	74.00	-18.98	189	119	V
			* 5.4271	42.95	Pk	35.30	-20.30	0	57.95	-	-	74.00	-16.05	189	119	V
			5.46998	42.62	Pk	35.30	-20.20	0	57.72	-	-	68.20	-10.48	189	119	V
			5.46991	44.15	Pk	35.30	-20.20	0	59.25	-	-	68.20	-8.95	189	119	V
			* 5.45998	29.13	RMS	35.30	-20.30	0	44.13	54.00	-9.87	-	-	189	119	V
			* 5.45506	30.87	RMS	35.30	-20.30	0	45.87	54.00	-8.13	-	-	189	119	V
			5.72500	48.12	Pk	35.70	-19.70	0	64.12	-	-	68.20	-4.08	181	244	H
			5.72516	49.98	Pk	35.70	-19.70	0	65.98	-	-	68.20	-2.22	181	244	H
5.72500	40.44	Pk	35.70	-19.70	0	56.44	-	-	68.20	-11.76	240	122	V			
5.72538	43.74	Pk	35.70	-19.70	0	59.74	-	-	68.20	-8.46	240	122	V			
802.11n(HT20)	5500	ANT1	* 5.45998	41.23	Pk	35.30	-20.30	0	56.23	-	-	74.00	-17.77	191	314	H
			* 5.45937	44.61	Pk	35.30	-20.30	0	59.61	-	-	74.00	-14.39	191	314	H
			5.46998	44.59	Pk	35.30	-20.20	0	59.69	-	-	68.20	-8.51	191	314	H
			5.46805	47.33	Pk	35.30	-20.20	0	62.43	-	-	68.20	-5.77	191	314	H
			* 5.45998	31.36	RMS	35.30	-20.30	0	46.36	54.00	-7.64	-	-	191	314	H
			* 5.45886	32.26	RMS	35.30	-20.30	0	47.26	54.00	-6.74	-	-	191	314	H
			* 5.45998	39.57	Pk	35.30	-20.30	0	54.57	-	-	74.00	-19.43	190	127	V
			* 5.44344	42.10	Pk	35.30	-20.20	0	57.20	-	-	74.00	-16.80	190	127	V
			5.46998	40.15	Pk	35.30	-20.20	0	55.25	-	-	68.20	-12.95	190	127	V
			5.46803	42.87	Pk	35.30	-20.20	0	57.97	-	-	68.20	-10.23	190	127	V
			* 5.45998	29.18	RMS	35.30	-20.30	0	44.18	54.00	-9.82	-	-	190	127	V
			* 5.41738	30.96	RMS	35.20	-20.30	0	45.86	54.00	-8.14	-	-	190	127	V
			5.72500	47.37	Pk	35.70	-19.70	0	63.37	-	-	68.20	-4.83	182	280	H
			5.72647	49.09	Pk	35.70	-19.60	0	65.19	-	-	68.20	-3.01	182	280	H
5.72500	39.55	Pk	35.70	-19.70	0	55.55	-	-	68.20	-12.65	241	110	V			
5.72802	43.80	Pk	35.70	-19.60	0	59.80	-	-	68.20	-8.30	241	110	V			
802.11n(HT40)	5510	ANT1	* 5.45998	42.81	Pk	35.30	-20.30	0	57.81	-	-	74.00	-16.19	189	280	H
			* 5.45983	46.93	Pk	35.30	-20.30	0	61.93	-	-	74.00	-12.07	189	280	H
			5.46998	49.71	Pk	35.30	-20.20	0	64.81	-	-	68.20	-3.39	189	280	H
			5.46886	50.92	Pk	35.30	-20.30	0	65.92	-	-	68.20	-2.28	189	280	H
			* 5.45998	31.35	RMS	35.30	-20.30	0	46.35	54.00	-7.65	-	-	189	280	H
			* 5.45792	33.00	RMS	35.30	-20.30	0	48.00	54.00	-6.00	-	-	189	280	H
			* 5.45998	39.57	Pk	35.30	-20.30	0	54.57	-	-	74.00	-19.43	190	127	V
			* 5.44344	42.10	Pk	35.30	-20.20	0	57.20	-	-	74.00	-16.80	190	127	V
			5.46998	40.15	Pk	35.30	-20.20	0	55.25	-	-	68.20	-12.95	190	127	V
			5.46803	42.87	Pk	35.30	-20.20	0	57.97	-	-	68.20	-10.23	190	127	V
			* 5.45998	29.18	RMS	35.30	-20.30	0	44.18	54.00	-9.82	-	-	190	127	V
			* 5.41738	30.96	RMS	35.20	-20.30	0	45.86	54.00	-8.14	-	-	190	127	V
			5.72500	44.86	Pk	35.70	-19.70	0	60.86	-	-	68.20	-7.34	185	278	H
			5.72628	45.31	Pk	35.70	-19.60	0	61.41	-	-	68.20	-6.79	185	278	H
5.72500	40.35	Pk	35.70	-19.70	0	56.35	-	-	68.20	-11.85	240	100	V			
5.78889	42.12	Pk	35.80	-19.50	0	58.42	-	-	68.20	-9.78	240	100	V			
802.11ac(VHT80)	5530	ANT1	* 5.45998	45.05	Pk	35.30	-20.30	0	60.05	-	-	74.00	-13.95	186	279	H
			* 5.45928	48.08	Pk	35.30	-20.30	0	63.08	-	-	74.00	-10.92	186	279	H
			5.46998	47.91	Pk	35.30	-20.20	0	63.01	-	-	68.20	-5.19	186	279	H
			5.46948	50.38	Pk	35.30	-20.30	0	65.38	-	-	68.20	-2.82	186	279	H
			* 5.45998	33.97	RMS	35.30	-20.30	0	48.97	54.00	-5.03	-	-	186	279	H
			* 5.45532	34.50	RMS	35.30	-20.30	0	49.50	54.00	-4.50	-	-	186	279	H
			* 5.45998	39.16	Pk	35.30	-20.30	0	54.16	-	-	74.00	-19.84	184	116	V
			* 5.45821	42.93	Pk	35.30	-20.30	0	57.93	-	-	74.00	-16.07	184	116	V
			5.46998	40.19	Pk	35.30	-20.20	0	55.29	-	-	68.20	-12.91	184	116	V
			5.46355	42.96	Pk	35.30	-20.20	0	58.06	-	-	68.20	-10.14	184	116	V
			* 5.45998	29.98	RMS	35.30	-20.30	0	44.98	54.00	-9.02	-	-	184	116	V
			* 5.45709	31.01	RMS	35.30	-20.30	0	46.01	54.00	-7.99	-	-	184	116	V
			5.72500	41.17	Pk	35.70	-19.70	0	57.17	-	-	68.20	-11.03	185	252	H
			5.72619	44.09	Pk	35.70	-19.60	0	60.19	-	-	68.20	-8.01	185	252	H
5.72500	39.78	Pk	35.70	-19.70	0	55.78	-	-	68.20	-12.42	184	116	V			
5.77082	42.41	Pk	35.70	-19.50	0	58.61	-	-	68.20	-9.59	184	116	V			
802.11ac(VHT160)	5570 (Low)	ANT1	* 5.45998	46.64	Pk	35.30	-20.30	0	61.64	-	-	74.00	-12.36	188	272	H
			* 5.45926	48.74	Pk	35.30	-20.30	0	63.74	-	-	74.00	-10.26	188	272	H
			5.46998	48.81	Pk	35.30	-20.20	0	63.91	-	-	68.20	-4.29	188	272	H
			5.46790	50.59	Pk	35.30	-20.20	0	65.69	-	-	68.20	-2.51	188	272	H
			* 5.45998	34.12	RMS	35.30	-20.30	0	49.12	54.00	-4.88	-	-	188	272	H
			* 5.45904	34.61	RMS	35.30	-20.30	0	49.61	54.00	-4.39	-	-	188	272	H
			* 5.45998	39.26	Pk	35.30	-20.30	0	54.26	-	-	74.00	-19.74	160	379	V
			* 5.45959	43.94	Pk	35.30	-20.30	0	58.94	-	-	74.00	-15.06	160	379	V
			5.46998	41.07	Pk	35.30	-20.20	0	56.17	-	-	68.20	-12.03	160	379	V
			5.46746	44.48	Pk	35.30	-20.20	0	59.58	-	-	68.20	-8.62	160	379	V
			* 5.45998	29.32	RMS	35.30	-20.30	0	44.32	54.00	-9.68	-	-	160	379	V
			* 5.4476	29.84	RMS	35.30	-20.20	0	44.94	54.00	-9.06	-	-	160	379	V
			5.72501	41.98	Pk	35.70	-19.70	0	57.98	-	-	68.20	-10.22	187	244	H
			5.72621	43.10	Pk	35.70	-19.60	0	59.20	-	-	68.20	-9.00	187	244	H
5.72501	38.83	Pk	35.70	-19.70	0	54.83	-	-	68.20	-13.37	314	349	V			
5.74298	41.21	Pk	35.70	-19.60	0	57.31	-	-	68.20	-10.89	314	349	V			

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

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	ANT2	* 5.45998	39.79	Pk	35.30	-20.30	0	54.79	-	-	74.00	-19.21	263	100	H	
			* 5.44904	42.16	Pk	35.30	-20.30	0	57.16	-	-	74.00	-16.84	263	100	H	
			5.46998	40.82	Pk	35.30	-20.20	0	55.92	-	-	68.20	-12.28	263	100	H	
			5.46390	42.90	Pk	35.30	-20.20	0	58.00	-	-	68.20	-10.20	263	100	H	
			* 5.45998	30.09	RMS	35.30	-20.30	0	45.09	54.00	-8.91	-	-	263	100	H	
			* 5.4581	30.83	RMS	35.30	-20.30	0	45.83	54.00	-8.17	-	-	263	100	H	
			* 5.45998	40.50	Pk	35.30	-20.30	0	55.50	-	-	74.00	-18.50	30	172	V	
			* 5.45841	43.45	Pk	35.30	-20.30	0	58.45	-	-	74.00	-15.55	30	172	V	
			5.46998	46.37	Pk	35.30	-20.20	0	61.47	-	-	68.20	-6.73	30	172	V	
	5.46908	48.93	Pk	35.30	-20.30	0	63.93	-	-	68.20	-4.27	30	172	V			
	* 5.45998	30.39	RMS	35.30	-20.30	0	45.39	54.00	-8.61	-	-	30	172	V			
	* 5.45861	31.45	RMS	35.30	-20.20	0	46.55	54.00	-7.45	-	-	30	172	V			
	5.72500	40.96	Pk	35.70	-19.70	0	56.96	-	-	68.20	-11.24	136	100	H			
	5.72513	45.02	Pk	35.70	-19.70	0	61.02	-	-	68.20	-7.18	136	100	H			
	5.72500	43.68	Pk	35.70	-19.70	0	59.68	-	-	68.20	-8.52	80	150	V			
	5.72514	48.14	Pk	35.70	-19.70	0	64.14	-	-	68.20	-4.06	80	150	V			
	802.11n(HT20)	5500	ANT2	* 5.45998	38.53	Pk	35.30	-20.30	0	53.53	-	-	74.00	-20.47	263	173	H
				* 5.45852	40.23	Pk	35.30	-20.20	0	55.33	-	-	74.00	-18.67	263	173	H
5.46998				37.23	Pk	35.30	-20.20	0	52.33	-	-	68.20	-15.87	263	173	H	
5.46814				39.74	Pk	35.30	-20.20	0	54.84	-	-	68.20	-13.36	263	173	H	
* 5.45998				27.71	RMS	35.30	-20.30	0	42.71	54.00	-11.29	-	-	263	173	H	
* 5.44972				28.65	RMS	35.30	-20.30	0	43.65	54.00	-10.35	-	-	263	173	H	
* 5.45998				41.26	Pk	35.30	-20.30	0	56.26	-	-	74.00	-17.74	35	194	V	
* 5.39496				44.44	Pk	35.20	-20.40	0	59.24	-	-	74.00	-14.76	35	194	V	
5.46998				43.62	Pk	35.30	-20.20	0	58.72	-	-	68.20	-9.48	35	194	V	
5.46948		48.47	Pk	35.30	-20.30	0	63.47	-	-	68.20	-4.73	35	194	V			
* 5.45998		31.63	RMS	35.30	-20.30	0	46.63	54.00	-7.37	-	-	35	194	V			
* 5.45851		32.85	RMS	35.30	-20.30	0	47.85	54.00	-6.15	-	-	35	194	V			
5.72500		45.31	Pk	35.70	-19.70	0	61.31	-	-	68.20	-6.89	246	244	H			
5.72566		47.36	Pk	35.70	-19.70	0	63.36	-	-	68.20	-4.84	246	244	H			
5.72500		44.60	Pk	35.70	-19.70	0	60.60	-	-	68.20	-7.60	76	150	V			
5.72700		49.70	Pk	35.70	-19.60	0	65.80	-	-	68.20	-2.40	76	150	V			
802.11n(HT40)		5510	ANT2	* 5.45998	37.52	Pk	35.30	-20.30	0	52.52	-	-	74.00	-21.48	32	171	H
				* 5.4064	40.54	Pk	35.20	-20.30	0	55.44	-	-	74.00	-18.56	32	171	H
	5.46998			37.92	Pk	35.30	-20.20	0	53.02	-	-	68.20	-15.18	32	171	H	
	5.46482			40.14	Pk	35.30	-20.20	0	55.24	-	-	68.20	-12.96	32	171	H	
	* 5.45998			27.73	RMS	35.30	-20.30	0	42.73	54.00	-11.27	-	-	32	171	H	
	* 5.45729			28.73	RMS	35.30	-20.30	0	43.73	54.00	-10.27	-	-	32	171	H	
	* 5.45998			42.47	Pk	35.30	-20.30	0	57.47	-	-	74.00	-16.53	31	173	V	
	* 5.41922			44.90	Pk	35.20	-20.30	0	59.80	-	-	74.00	-14.20	31	173	V	
	5.46998			46.45	Pk	35.30	-20.20	0	61.55	-	-	68.20	-6.65	31	173	V	
	5.46799	50.29	Pk	35.30	-20.20	0	65.39	-	-	68.20	-2.81	31	173	V			
	* 5.45998	31.64	RMS	35.30	-20.30	0	46.64	54.00	-7.36	-	-	31	173	V			
	* 5.45806	33.08	RMS	35.30	-20.30	0	48.08	54.00	-5.92	-	-	31	173	V			
	5.72500	44.14	Pk	35.70	-19.70	0	60.14	-	-	68.20	-8.06	252	241	H			
	5.72771	44.28	Pk	35.70	-19.60	0	60.38	-	-	68.20	-7.82	252	241	H			
	5.72500	41.73	Pk	35.70	-19.70	0	57.73	-	-	68.20	-10.47	74	134	V			
	5.72846	46.10	Pk	35.70	-19.60	0	62.20	-	-	68.20	-6.00	74	134	V			
	802.11ac(VHT80)	5530	ANT2	* 5.45998	38.21	Pk	35.30	-20.30	0	53.21	-	-	74.00	-20.79	262	189	H
				* 5.45768	40.50	Pk	35.30	-20.30	0	55.50	-	-	74.00	-18.50	262	189	H
5.46998				38.20	Pk	35.30	-20.20	0	53.30	-	-	68.20	-14.90	262	189	H	
5.46766				43.28	Pk	35.30	-20.20	0	58.38	-	-	68.20	-9.82	262	189	H	
* 5.45998				28.29	RMS	35.30	-20.30	0	43.29	54.00	-10.71	-	-	262	189	H	
* 5.45908				28.98	RMS	35.30	-20.30	0	43.98	54.00	-10.02	-	-	262	189	H	
* 5.45998				45.46	Pk	35.30	-20.30	0	60.46	-	-	74.00	-13.54	37	171	V	
* 5.45965				51.60	Pk	35.30	-20.30	0	66.60	-	-	74.00	-7.40	37	171	V	
5.46998				46.74	Pk	35.30	-20.20	0	61.84	-	-	68.20	-6.36	37	171	V	
5.46654		50.80	Pk	35.30	-20.30	0	65.80	-	-	68.20	-2.40	37	171	V			
* 5.45998		35.48	RMS	35.30	-20.30	0	50.48	54.00	-3.52	-	-	37	171	V			
* 5.45617		36.16	RMS	35.30	-20.20	0	51.26	54.00	-2.74	-	-	37	171	V			
5.72500		40.08	Pk	35.70	-19.70	0	56.08	-	-	68.20	-12.12	241	246	H			
5.78734		43.18	Pk	35.80	-19.50	0	59.48	-	-	68.20	-8.72	241	246	H			
5.72500		41.82	Pk	35.70	-19.70	0	57.82	-	-	68.20	-10.38	32	195	V			
5.72930		43.97	Pk	35.70	-19.60	0	60.07	-	-	68.20	-8.13	32	195	V			
802.11ac(VHT160)		5570 (Low)	ANT2	* 5.45998	39.00	Pk	35.30	-20.30	0	54.00	-	-	74.00	-20.00	262	173	H
				* 5.44996	40.85	Pk	35.30	-20.30	0	55.85	-	-	74.00	-18.15	262	173	H
	5.46998			38.43	Pk	35.30	-20.20	0	53.53	-	-	68.20	-14.67	262	173	H	
	5.46921			42.52	Pk	35.30	-20.30	0	57.52	-	-	68.20	-10.68	262	173	H	
	* 5.45998			28.59	RMS	35.30	-20.30	0	43.59	54.00	-10.41	-	-	262	173	H	
	* 5.44887			29.08	RMS	35.30	-20.30	0	44.08	54.00	-9.92	-	-	262	173	H	
	* 5.45998			48.42	Pk	35.30	-20.30	0	63.42	-	-	74.00	-10.58	27	180	V	
	* 5.45957			49.84	Pk	35.30	-20.30	0	64.84	-	-	74.00	-9.16	27	180	V	
	5.46998			45.51	Pk	35.30	-20.20	0	60.61	-	-	68.20	-7.59	27	180	V	
	5.46766	50.80	Pk	35.30	-20.20	0	65.90	-	-	68.20	-2.30	27	180	V			
	* 5.45998	34.03	RMS	35.30	-20.30	0	49.03	54.00	-4.97	-	-	27	180	V			
	* 5.45882	35.04	RMS	35.30	-20.30	0	50.04	54.00	-3.96	-	-	27	180	V			
	5.72501	37.26	Pk	35.70	-19.70	0	53.26	-	-	68.20	-14.94	272	364	H			
	5.80250	39.86	Pk	35.80	-19.50	0	56.16	-	-	68.20	-12.04	272	364	H			
	5.72501	43.43	Pk	35.70	-19.70	0	59.43	-	-	68.20	-8.77	28	169	V			
	5.78644	42.99	Pk	35.80	-19.50	0	59.29	-	-	68.20	-8.91	28	169	V			

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

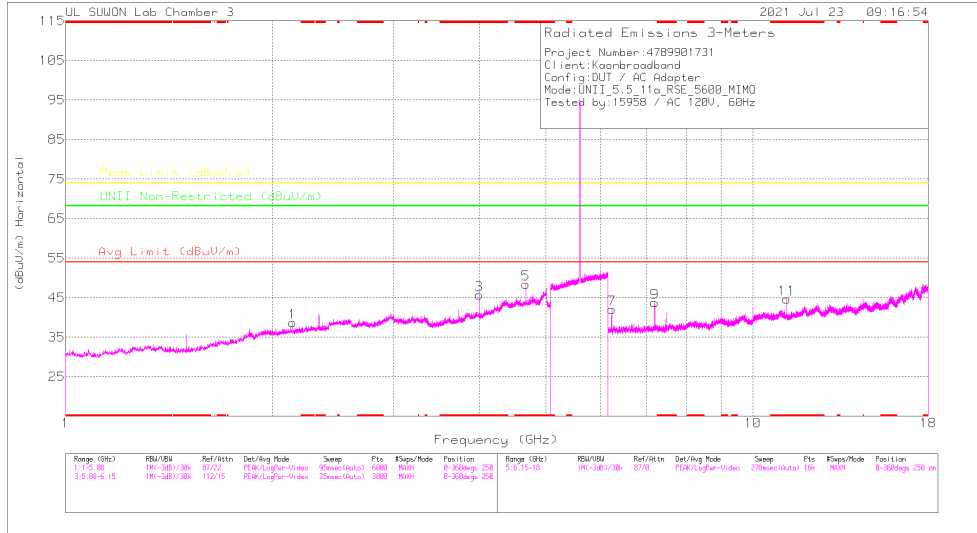
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5500	ANT3	* 5.45998	41.31	Pk	35.30	-20.30	0	56.31	-	-	74.00	-17.69	137	149	H	
			* 5.45515	45.23	Pk	35.30	-20.30	0	60.23	-	-	74.00	-13.77	137	149	H	
			5.46998	47.33	Pk	35.30	-20.20	0	62.43	-	-	68.20	-5.77	137	149	H	
			5.46963	47.34	Pk	35.30	-20.20	0	62.44	-	-	68.20	-5.76	137	149	H	
			* 5.45998	30.42	RMS	35.30	-20.30	0	45.42	54.00	-8.58	-	-	137	149	H	
			* 5.45423	30.90	RMS	35.30	-20.30	0	45.90	54.00	-8.10	-	-	137	149	H	
			* 5.45998	38.75	Pk	35.30	-20.30	0	53.75	-	-	74.00	-20.25	206	114	V	
			* 5.45508	41.54	Pk	35.30	-20.30	0	56.54	-	-	74.00	-17.46	206	114	V	
			5.46998	41.64	Pk	35.30	-20.20	0	56.74	-	-	68.20	-11.46	206	114	V	
	5.46994	43.38	Pk	35.30	-20.20	0	58.48	-	-	68.20	-9.72	206	114	V			
	* 5.45998	28.83	RMS	35.30	-20.30	0	43.83	54.00	-10.17	-	-	206	114	V			
	* 5.45801	29.32	RMS	35.30	-20.30	0	44.32	54.00	-9.68	-	-	206	114	V			
	5.72500	45.36	Pk	35.70	-19.70	0	61.36	-	-	68.20	-6.84	221	173	H			
	5.72591	49.30	Pk	35.70	-19.60	0	65.40	-	-	68.20	-2.80	221	173	H			
	5.72500	43.80	Pk	35.70	-19.70	0	59.80	-	-	68.20	-8.40	239	100	V			
	5.72614	44.14	Pk	35.70	-19.60	0	60.24	-	-	68.20	-7.96	239	100	V			
	802.11n(HT20)	5500	ANT3	* 5.45998	43.69	Pk	35.30	-20.30	0	58.69	-	-	74.00	-15.31	130	162	H
				* 5.45954	44.45	Pk	35.30	-20.30	0	59.45	-	-	74.00	-14.55	130	162	H
5.46998				45.85	Pk	35.30	-20.20	0	60.95	-	-	68.20	-7.25	130	162	H	
5.46882				48.64	Pk	35.30	-20.30	0	63.64	-	-	68.20	-4.56	130	162	H	
* 5.45998				31.11	RMS	35.30	-20.30	0	46.11	54.00	-7.89	-	-	130	162	H	
* 5.45727				32.11	RMS	35.30	-20.30	0	47.11	54.00	-6.89	-	-	130	162	H	
* 5.45998				40.81	Pk	35.30	-20.30	0	55.81	-	-	74.00	-18.19	211	115	V	
* 5.45521				43.07	Pk	35.30	-20.30	0	58.07	-	-	74.00	-15.93	211	115	V	
5.46998				42.94	Pk	35.30	-20.20	0	58.04	-	-	68.20	-10.16	211	115	V	
5.46924		46.56	Pk	35.30	-20.30	0	61.56	-	-	68.20	-6.64	211	115	V			
* 5.45998		30.73	RMS	35.30	-20.30	0	45.73	54.00	-8.27	-	-	211	115	V			
* 5.45611		31.19	RMS	35.30	-20.20	0	46.29	54.00	-7.71	-	-	211	115	V			
5.72500		49.23	Pk	35.70	-19.70	0	65.23	-	-	68.20	-2.97	237	249	H			
5.72502		49.59	Pk	35.70	-19.70	0	65.59	-	-	68.20	-2.61	237	249	H			
5.72500		42.32	Pk	35.70	-19.70	0	58.32	-	-	68.20	-9.88	286	250	V			
5.72582		46.76	Pk	35.70	-19.60	0	62.86	-	-	68.20	-5.34	286	250	V			
802.11n(HT40)		5510	ANT3	* 5.45998	42.43	Pk	35.30	-20.30	0	57.43	-	-	74.00	-16.57	135	148	H
				* 5.45701	44.50	Pk	35.30	-20.30	0	59.50	-	-	74.00	-14.50	135	148	H
	5.46998			50.07	Pk	35.30	-20.20	0	65.17	-	-	68.20	-3.03	135	148	H	
	5.46976			51.04	Pk	35.30	-20.20	0	66.14	-	-	68.20	-2.06	135	148	H	
	* 5.45998			31.38	RMS	35.30	-20.30	0	46.38	54.00	-7.62	-	-	135	148	H	
	* 5.45676			32.36	RMS	35.30	-20.30	0	47.36	54.00	-6.64	-	-	135	148	H	
	* 5.45998			40.54	Pk	35.30	-20.30	0	55.54	-	-	74.00	-18.46	211	115	V	
	* 5.4357			42.57	Pk	35.30	-20.30	0	57.57	-	-	74.00	-16.43	211	115	V	
	5.46998			44.96	Pk	35.30	-20.20	0	60.06	-	-	68.20	-8.14	211	115	V	
	5.46825	45.47	Pk	35.30	-20.20	0	60.57	-	-	68.20	-7.63	211	115	V			
	* 5.45998	30.02	RMS	35.30	-20.30	0	45.02	54.00	-8.98	-	-	211	115	V			
	* 5.42957	30.93	RMS	35.30	-20.20	0	46.03	54.00	-7.97	-	-	211	115	V			
	5.72500	46.83	Pk	35.70	-19.70	0	62.83	-	-	68.20	-5.37	214	167	H			
	5.72569	49.39	Pk	35.70	-19.60	0	65.49	-	-	68.20	-2.71	214	167	H			
	5.72500	41.64	Pk	35.70	-19.70	0	57.64	-	-	68.20	-10.56	201	184	V			
	5.73110	44.20	Pk	35.70	-19.70	0	60.20	-	-	68.20	-8.00	201	184	V			
	802.11ac(VHT80)	5530	ANT3	* 5.45998	46.44	Pk	35.30	-20.30	0	61.44	-	-	74.00	-12.56	133	201	H
				* 5.45814	47.99	Pk	35.30	-20.30	0	62.99	-	-	74.00	-11.01	133	201	H
5.46998				50.02	Pk	35.30	-20.20	0	65.12	-	-	68.20	-3.08	133	201	H	
5.46994				50.22	Pk	35.30	-20.20	0	65.32	-	-	68.20	-2.88	133	201	H	
* 5.45998				32.12	RMS	35.30	-20.30	0	47.12	54.00	-6.88	-	-	133	201	H	
* 5.45307				32.98	RMS	35.30	-20.30	0	47.98	54.00	-6.02	-	-	133	201	H	
* 5.45998				39.48	Pk	35.30	-20.30	0	54.48	-	-	74.00	-19.52	197	115	V	
* 5.45816				43.11	Pk	35.30	-20.30	0	58.11	-	-	74.00	-15.89	197	115	V	
5.46998				42.61	Pk	35.30	-20.20	0	57.71	-	-	68.20	-10.49	197	115	V	
5.46657		44.86	Pk	35.30	-20.30	0	59.86	-	-	68.20	-8.34	197	115	V			
* 5.45998		28.64	RMS	35.30	-20.30	0	43.64	54.00	-10.36	-	-	197	115	V			
* 5.44751		30.69	RMS	35.30	-20.20	0	45.79	54.00	-8.21	-	-	197	115	V			
5.72500		45.11	Pk	35.70	-19.70	0	61.11	-	-	68.20	-7.09	232	253	H			
5.72591		46.96	Pk	35.70	-19.60	0	63.06	-	-	68.20	-5.14	232	253	H			
5.72500		40.27	Pk	35.70	-19.70	0	56.27	-	-	68.20	-11.93	238	120	V			
5.73332		42.71	Pk	35.70	-19.60	0	58.81	-	-	68.20	-9.39	238	120	V			
802.11ac(VHT160)		5570 (Low)	ANT3	* 5.45998	45.66	Pk	35.30	-20.30	0	60.66	-	-	74.00	-13.34	0	126	H
				* 5.41819	48.40	Pk	35.20	-20.30	0	63.30	-	-	74.00	-10.70	0	126	H
	5.46998			48.66	Pk	35.30	-20.20	0	63.76	-	-	68.20	-4.44	0	126	H	
	5.46834			50.39	Pk	35.30	-20.30	0	65.39	-	-	68.20	-2.81	0	126	H	
	* 5.45998			30.73	RMS	35.30	-20.30	0	45.73	54.00	-8.27	-	-	0	126	H	
	* 5.45777			32.36	RMS	35.30	-20.30	0	47.36	54.00	-6.64	-	-	0	126	H	
	* 5.45998			43.22	Pk	35.30	-20.30	0	58.22	-	-	74.00	-15.78	205	136	V	
	* 5.41833			45.57	Pk	35.20	-20.30	0	60.47	-	-	74.00	-13.53	205	136	V	
	5.46998			42.84	Pk	35.30	-20.20	0	57.94	-	-	68.20	-10.26	205	136	V	
	5.46705	46.32	Pk	35.30	-20.20	0	61.42	-	-	68.20	-6.78	205	136	V			
	* 5.45998	29.00	RMS	35.30	-20.30	0	44.00	54.00	-10.00	-	-	205	136	V			
	* 5.44141	29.84	RMS	35.30	-20.30	0	44.84	54.00	-9.16	-	-	205	136	V			
	5.72501	46.23	Pk	35.70	-19.70	0	62.23	-	-	68.20	-5.97	133	159	H			
	5.72529	46.31	Pk	35.70	-19.70	0	62.31	-	-	68.20	-5.89	133	159	H			
	5.72501	38.76	Pk	35.70	-19.70	0	54.76	-	-	68.20	-13.44	206	119	V			
	5.80523	39.69	Pk	35.80	-19.50	0	55.99	-	-	68.20	-12.21	206	119	V			

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

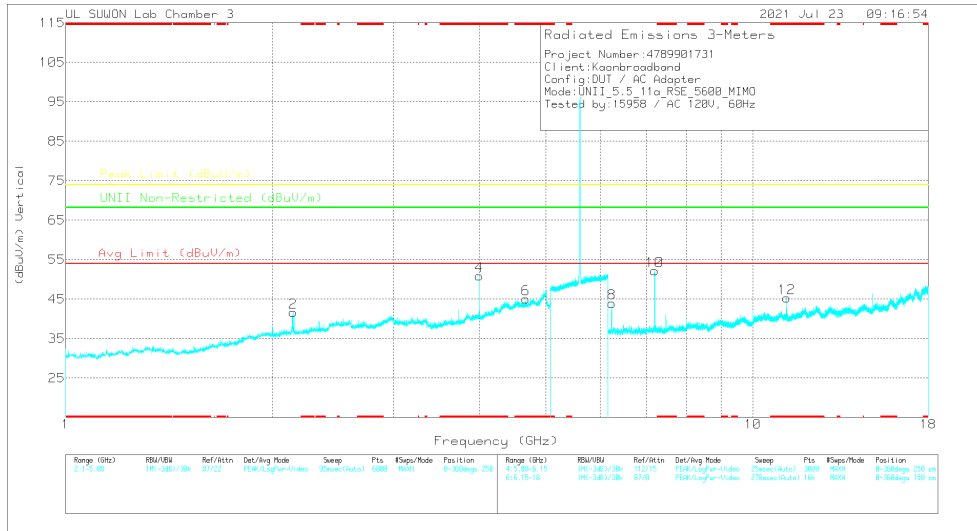
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5500	ANT4	* 5.45998	37.72	Pk	35.30	-20.30	0	52.72	-	-	74.00	-21.28	92	109	H	
			5.43642	40.08	Pk	35.30	-20.30	0	55.08	-	-	74.00	-18.92	92	109	H	
			5.46998	40.75	Pk	35.30	-20.20	0	55.85	-	-	68.20	-12.35	92	109	H	
			5.46808	41.19	Pk	35.30	-20.20	0	56.29	-	-	68.20	-11.91	92	109	H	
			* 5.45998	27.30	RMS	35.30	-20.30	0	42.30	54.00	-11.70	-	-	-	92	109	H
			* 5.42802	28.32	RMS	35.30	-20.30	0	43.32	54.00	-10.68	-	-	-	92	109	H
			* 5.45998	40.86	Pk	35.30	-20.30	0	55.86	-	-	74.00	-18.14	336	136	V	
			* 5.42025	42.67	Pk	35.20	-20.30	0	57.57	-	-	74.00	-16.43	336	136	V	
			5.46998	47.43	Pk	35.30	-20.20	0	62.53	-	-	68.20	-5.67	336	136	V	
	5.46698	47.99	Pk	35.30	-20.30	0	62.99	-	-	68.20	-5.21	336	136	V			
	* 5.45998	30.57	RMS	35.30	-20.30	0	45.57	54.00	-8.43	-	-	-	336	136	V		
	* 5.45694	31.37	RMS	35.30	-20.30	0	46.37	54.00	-7.63	-	-	-	336	136	V		
	5.72500	41.69	Pk	35.70	-19.70	0	57.69	-	-	68.20	-10.51	277	210	H			
	5.72664	44.44	Pk	35.70	-19.60	0	60.54	-	-	68.20	-7.66	277	210	H			
	5.72500	48.31	Pk	35.70	-19.70	0	64.31	-	-	68.20	-3.89	314	197	V			
	5.72538	49.39	Pk	35.70	-19.70	0	65.39	-	-	68.20	-2.81	314	197	V			
	802.11n(HT20)	5500	ANT4	* 5.45998	40.02	Pk	35.30	-20.30	0	55.02	-	-	74.00	-18.98	209	100	H
				* 5.45674	42.21	Pk	35.30	-20.20	0	57.31	-	-	74.00	-16.69	209	100	H
5.46998				41.34	Pk	35.30	-20.20	0	56.44	-	-	68.20	-11.76	209	100	H	
5.46821				43.90	Pk	35.30	-20.20	0	59.00	-	-	68.20	-9.20	209	100	H	
* 5.45998				29.65	RMS	35.30	-20.30	0	44.65	54.00	-9.35	-	-	-	209	100	H
* 5.45823				31.02	RMS	35.30	-20.30	0	46.02	54.00	-7.98	-	-	-	209	100	H
* 5.45998				43.08	Pk	35.30	-20.30	0	58.08	-	-	74.00	-15.92	281	231	V	
* 5.45342				45.96	Pk	35.30	-20.30	0	60.96	-	-	74.00	-13.04	281	231	V	
5.46998				47.64	Pk	35.30	-20.20	0	62.74	-	-	68.20	-5.46	281	231	V	
5.46742		49.91	Pk	35.30	-20.20	0	65.01	-	-	68.20	-3.19	281	231	V			
* 5.45998		30.76	RMS	35.30	-20.30	0	45.76	54.00	-8.24	-	-	-	281	231	V		
* 5.45924		32.42	RMS	35.30	-20.30	0	47.42	54.00	-6.58	-	-	-	281	231	V		
5.72500		42.09	Pk	35.70	-19.70	0	58.09	-	-	68.20	-10.11	274	208	H			
5.72882		45.20	Pk	35.70	-19.60	0	61.30	-	-	68.20	-6.90	274	208	H			
5.72500		46.56	Pk	35.70	-19.70	0	62.56	-	-	68.20	-5.64	321	209	V			
5.72635		49.11	Pk	35.70	-19.60	0	65.21	-	-	68.20	-2.99	321	209	V			
802.11n(HT40)		5510	ANT4	* 5.45998	40.31	Pk	35.30	-20.30	0	55.31	-	-	74.00	-18.69	207	100	H
				* 5.38352	42.68	Pk	35.20	-20.40	0	57.48	-	-	74.00	-16.52	207	100	H
	5.46998			42.76	Pk	35.30	-20.20	0	57.86	-	-	68.20	-10.34	207	100	H	
	5.46967			43.60	Pk	35.30	-20.20	0	58.70	-	-	68.20	-9.50	207	100	H	
	* 5.45998			29.73	RMS	35.30	-20.30	0	44.73	54.00	-9.27	-	-	-	207	100	H
	* 5.44355			30.50	RMS	35.30	-20.20	0	45.60	54.00	-8.40	-	-	-	207	100	H
	* 5.45998			43.17	Pk	35.30	-20.30	0	58.17	-	-	74.00	-15.83	308	209	V	
	* 5.45558			45.05	Pk	35.30	-20.30	0	60.05	-	-	74.00	-13.95	308	209	V	
	5.46998			50.39	Pk	35.30	-20.20	0	65.49	-	-	68.20	-2.71	308	209	V	
	5.46994	50.10	Pk	35.30	-20.20	0	65.20	-	-	68.20	-3.00	308	209	V			
	* 5.45998	31.54	RMS	35.30	-20.30	0	46.54	54.00	-7.46	-	-	-	308	209	V		
	* 5.45819	32.42	RMS	35.30	-20.30	0	47.42	54.00	-6.58	-	-	-	308	209	V		
	5.72500	43.04	Pk	35.70	-19.70	0	59.04	-	-	68.20	-9.16	285	203	H			
	5.72628	44.76	Pk	35.70	-19.60	0	60.86	-	-	68.20	-7.34	285	203	H			
	5.72500	48.96	Pk	35.70	-19.70	0	64.96	-	-	68.20	-3.24	313	201	V			
	5.72624	49.39	Pk	35.70	-19.60	0	65.49	-	-	68.20	-2.71	313	201	V			
	802.11ac(VHT80)	5530	ANT4	* 5.45998	39.46	Pk	35.30	-20.30	0	54.46	-	-	74.00	-19.54	168	201	H
				* 5.43066	42.27	Pk	35.30	-20.30	0	57.27	-	-	74.00	-16.73	168	201	H
5.46998				39.50	Pk	35.30	-20.20	0	54.60	-	-	68.20	-13.60	168	201	H	
5.46836				42.45	Pk	35.30	-20.30	0	57.45	-	-	68.20	-10.75	168	201	H	
* 5.45998				29.18	RMS	35.30	-20.30	0	44.18	54.00	-9.82	-	-	-	168	201	H
* 5.42905				30.74	RMS	35.30	-20.30	0	45.74	54.00	-8.26	-	-	-	168	201	H
* 5.45998				42.86	Pk	35.30	-20.30	0	57.86	-	-	74.00	-16.14	286	191	V	
* 5.45553				48.37	Pk	35.30	-20.30	0	63.37	-	-	74.00	-10.63	296	191	V	
5.46998				45.13	Pk	35.30	-20.20	0	60.23	-	-	68.20	-7.97	296	191	V	
5.46444		48.18	Pk	35.30	-20.20	0	63.28	-	-	68.20	-4.92	296	191	V			
* 5.45998		31.88	RMS	35.30	-20.30	0	46.88	54.00	-7.12	-	-	-	296	191	V		
* 5.45574		33.53	RMS	35.30	-20.30	0	48.53	54.00	-5.47	-	-	-	296	191	V		
5.72501		37.23	Pk	35.70	-19.70	0	53.23	-	-	68.20	-14.97	275	202	H			
5.74652		40.24	Pk	35.70	-19.60	0	56.34	-	-	68.20	-11.86	275	202	H			
5.72501		41.36	Pk	35.70	-19.70	0	57.36	-	-	68.20	-10.84	336	185	V			
5.74093		42.72	Pk	35.70	-19.60	0	58.82	-	-	68.20	-9.38	336	185	V			
802.11ac(VHT160)		5570 (Low)	ANT4	* 5.45998	39.15	Pk	35.30	-20.30	0	54.15	-	-	74.00	-19.85	137	110	H
				* 5.45471	40.51	Pk	35.30	-20.30	0	55.51	-	-	74.00	-18.49	137	110	H
	5.46998			38.40	Pk	35.30	-20.20	0	53.50	-	-	68.20	-14.70	137	110	H	
	5.46845			42.68	Pk	35.30	-20.30	0	57.68	-	-	68.20	-10.52	137	110	H	
	* 5.45998			27.60	RMS	35.30	-20.30	0	42.60	54.00	-11.40	-	-	-	137	110	H
	* 5.44786			29.01	RMS	35.30	-20.20	0	44.11	54.00	-9.89	-	-	-	137	110	H
	* 5.45998			47.09	Pk	35.30	-20.30	0	62.09	-	-	74.00	-11.91	312	205	V	
	* 5.45946			49.67	Pk	35.30	-20.30	0	64.67	-	-	74.00	-9.33	312	205	V	
	5.46998			47.03	Pk	35.30	-20.20	0	62.13	-	-	68.20	-6.07	312	205	V	
	5.46720	50.35	Pk	35.30	-20.20	0	65.45	-	-	68.20	-2.75	312	205	V			
	* 5.45998	33.30	RMS	35.30	-20.30	0	48.30	54.00	-5.70	-	-	-	312	205	V		
	* 5.45453	34.77	RMS	35.30	-20.30	0	49.77	54.00	-4.23	-	-	-	312	205	V		
	5.72501	37.82	Pk	35.70	-19.70	0	53.82	-	-	68.20	-14.38	283	100	H			
	5.72796	40.65	Pk	35.70	-19.60	0	56.75	-	-	68.20	-11.45	283	100	H			
	5.72501	45.44	Pk	35.70	-19.70	0	61.44	-	-	68.20	-6.76	306	192	V			
	5.72636	47.39	Pk	35.70	-19.60	0	63.49	-	-	68.20	-4.71	306	192	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 / MIMO / 5600 MHz)
5600 MHz HORIZONTAL



5600 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.

5600 MHz DATA

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00218957	5GHz_LP[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
2.14347	55.06	PK-U	32	-34.7	52.36	-	-	-	-	68.2	-15.84	45	165	H
* 4.00013	50.21	PK-U	33.9	-31.9	52.21	-	-	74	-21.79	-	-	28	103	H
* 3.99993	42.08	ADR	33.9	-31.9	44.08	54	-9.92	-	-	-	-	28	103	H
* 4.67593	50.42	PK-U	34.5	-30.7	54.22	-	-	74	-19.78	-	-	328	161	H
* 4.67485	35.45	ADR	34.5	-30.6	42.95	54	-11.65	-	-	-	-	328	161	H
6.23333	40.81	PK-U	36.1	-26.9	50.01	-	-	-	-	68.2	-18.19	42	144	H
7.20013	39.07	PK-U	36.1	-25.2	49.97	-	-	-	-	68.2	-18.23	28	382	H
6.23333	40.81	PK-U	36.1	-26.9	50.01	-	-	-	-	68.2	-18.19	42	144	H
7.20013	39.07	PK-U	36.1	-25.2	49.97	-	-	-	-	68.2	-18.23	28	382	H
* 11.20024	42.72	PK-U	38.6	-21.3	60.02	-	-	74	-13.98	-	-	242	100	H
* 11.20049	30.46	ADR	38.6	-21.3	47.76	54	-6.24	-	-	-	-	242	100	H
2.14283	64.96	PK-U	32	-34.7	62.26	-	-	-	-	68.2	-5.94	302	103	V
* 4.00013	54.49	PK-U	33.9	-31.9	56.49	-	-	74	-17.51	-	-	12	102	V
* 4.0001	49.75	ADR	33.9	-31.9	51.75	54	-2.25	-	-	-	-	12	102	V
* 4.67578	50.28	PK-U	34.5	-30.7	54.08	-	-	74	-19.92	-	-	342	106	V
* 4.67542	38.22	ADR	34.5	-30.7	42.02	54	-11.98	-	-	-	-	342	106	V
6.18274	38.14	PK-U	36.1	-27.8	46.44	-	-	-	-	68.2	-21.76	14	192	V
7.20029	43.19	PK-U	36.1	-25.2	54.09	-	-	-	-	68.2	-14.11	334	194	V
6.18274	38.14	PK-U	36.1	-27.8	46.44	-	-	-	-	68.2	-21.76	14	192	V
7.20029	43.19	PK-U	36.1	-25.2	54.09	-	-	-	-	68.2	-14.11	334	194	V
* 11.20026	47.71	PK-U	38.6	-21.3	65.01	-	-	74	-8.99	-	-	169	251	V
* 11.20096	35.55	ADR	38.6	-21.3	62.85	54	-1.15	-	-	-	-	169	251	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

Note: In the above emissions, frequencies other than harmonic are local oscillator generated during product operation regardless of RF transmission and were measured only in worst mode.

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	* 11.00012	34.82	PK-U	38.50	-21.20	0	52.12	-	-	74.00	-21.88	-	-	12	100	H	
			* 11.00024	25.86	ADR	38.50	-21.20	0	43.16	54.00	-10.84	-	-	-	-	-	12	100	H
			* 11.00045	44.42	PK-U	38.50	-21.20	0	61.72	-	-	-	74.00	-12.28	-	-	161	398	V
			* 10.99994	31.84	ADR	38.50	-21.20	0	49.14	54.00	-4.86	-	-	-	-	-	161	398	V
	5600	MIMO	* 11.20024	42.72	PK-U	38.60	-21.30	0	60.02	-	-	74.00	-13.98	-	-	242	100	H	
			* 11.20049	30.46	ADR	38.60	-21.30	0	47.76	54.00	-6.24	-	-	-	-	242	100	H	
			* 11.20026	47.71	PK-U	38.60	-21.30	0	65.01	-	-	74.00	-8.99	-	-	169	251	V	
			* 11.20096	35.55	ADR	38.60	-21.30	0	52.85	54.00	-1.15	-	-	-	-	169	251	V	
	5700	MIMO	* 11.40006	37.49	PK-U	38.60	-21.40	0	54.69	-	-	74.00	-19.31	-	-	219	100	H	
			* 11.40026	25.33	ADR	38.60	-21.40	0	42.53	54.00	-11.47	-	-	-	-	219	100	H	
			* 11.40051	40.67	PK-U	38.60	-21.40	0	57.87	-	-	74.00	-16.13	-	-	165	344	V	
			* 11.40106	29.15	ADR	38.60	-21.40	0	46.35	54.00	-7.65	-	-	-	-	165	344	V	
5720	MIMO	* 11.43956	34.40	PK-U	38.60	-21.30	0	51.70	-	-	74.00	-22.30	-	-	57	335	H		
		* 11.44004	24.52	ADR	38.60	-21.30	0	41.82	54.00	-12.18	-	-	-	-	57	335	H		
		* 11.44025	35.89	PK-U	38.60	-21.30	0	53.19	-	-	74.00	-20.81	-	-	336	391	V		
		* 11.44006	27.38	ADR	38.60	-21.30	0	44.68	54.00	-9.32	-	-	-	-	336	391	V		
802.11n(HT20)	5500	MIMO	* 10.99973	35.80	PK-U	38.50	-21.20	0	53.10	-	-	74.00	-20.90	-	-	19	100	H	
			* 11.00011	25.63	ADR	38.50	-21.20	0	42.93	54.00	-11.07	-	-	-	-	19	100	H	
			* 11.00039	42.64	PK-U	38.50	-21.20	0	59.94	-	-	74.00	-14.06	-	-	219	260	V	
			* 11.00025	30.79	ADR	38.50	-21.20	0	48.09	54.00	-5.91	-	-	-	-	219	260	V	
	5600	MIMO	* 11.20498	40.21	PK-U	38.60	-21.40	0	57.41	-	-	74.00	-16.59	-	-	241	101	H	
			* 11.19977	28.39	ADR	38.60	-21.30	0	45.69	54.00	-8.31	-	-	-	-	241	101	H	
			* 11.20009	47.41	PK-U	38.60	-21.30	0	64.71	-	-	74.00	-9.29	-	-	228	177	V	
			* 11.20054	35.40	ADR	38.60	-21.30	0	52.70	54.00	-1.30	-	-	-	-	228	177	V	
	5700	MIMO	* 11.39851	36.54	PK-U	38.60	-21.50	0	53.64	-	-	74.00	-20.36	-	-	213	101	H	
			* 11.40001	25.12	ADR	38.60	-21.40	0	42.32	54.00	-11.68	-	-	-	-	213	101	H	
			* 11.39496	39.44	PK-U	38.60	-21.40	0	56.64	-	-	74.00	-17.36	-	-	155	199	V	
			* 11.40003	28.13	ADR	38.60	-21.40	0	45.33	54.00	-8.67	-	-	-	-	155	199	V	
5720	MIMO	* 11.43981	35.37	PK-U	38.60	-21.30	0	52.67	-	-	74.00	-21.33	-	-	44	100	H		
		* 11.44011	24.87	ADR	38.60	-21.30	0	42.17	54.00	-11.83	-	-	-	-	44	100	H		
		* 11.44061	39.95	PK-U	38.60	-21.30	0	57.25	-	-	74.00	-16.75	-	-	154	203	V		
		* 11.44046	28.49	ADR	38.60	-21.30	0	45.79	54.00	-8.21	-	-	-	-	154	203	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]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5500	ANT1	* 11.00036	35.16	PK-U	38.50	-21.20	0	52.46	-	-	74.00	-21.54	-	-	18	100	H	
			* 10.99984	26.08	ADR	38.50	-21.20	0	43.38	54.00	-10.62	-	-	-	-	18	100	H	
			* 10.99972	35.52	PK-U	38.50	-21.20	0	52.82	-	-	74.00	-21.18	-	-	350	272	V	
			* 11.00003	28.24	ADR	38.50	-21.20	0	45.54	54.00	-8.46	-	-	-	-	350	272	V	
	5600	ANT1	* 11.20142	46.84	PK-U	38.60	-21.30	0	64.14	-	-	74.00	-9.86	-	-	301	361	H	
			* 11.19719	29.55	ADR	38.60	-21.30	0	46.85	54.00	-7.15	-	-	-	-	301	361	H	
			* 11.20098	53.36	PK-U	38.60	-21.30	0	70.66	-	-	74.00	-3.34	-	-	161	246	V	
			* 11.19838	35.50	ADR	38.60	-21.30	0	52.80	54.00	-1.20	-	-	-	-	161	246	V	
	5700	ANT1	* 11.40131	43.17	PK-U	38.60	-21.40	0	60.37	-	-	74.00	-13.63	-	-	211	104	H	
			* 11.39951	25.94	ADR	38.60	-21.50	0	43.04	54.00	-10.96	-	-	-	-	211	104	H	
			* 11.40149	48.44	PK-U	38.60	-21.40	0	65.64	-	-	74.00	-8.36	-	-	213	250	V	
			* 11.40209	31.57	ADR	38.60	-21.40	0	48.77	54.00	-5.23	-	-	-	-	213	250	V	
5720	ANT1	* 11.44156	42.04	PK-U	38.60	-21.30	0	59.34	-	-	74.00	-14.66	-	-	183	105	H		
		* 11.4404	25.91	ADR	38.60	-21.30	0	43.21	54.00	-10.79	-	-	-	-	183	105	H		
		* 11.44143	48.67	PK-U	38.60	-21.30	0	65.97	-	-	74.00	-8.03	-	-	160	203	V		
		* 11.44032	32.16	ADR	38.60	-21.30	0	49.46	54.00	-4.54	-	-	-	-	160	203	V		
802.11n(HT20)	5500	ANT1	* 11.00003	35.44	PK-U	38.50	-21.20	0	52.74	-	-	74.00	-21.26	-	-	14	100	H	
			* 11.00001	26.26	ADR	38.50	-21.20	0	43.56	54.00	-10.44	-	-	-	-	14	100	H	
			* 11.00008	35.49	PK-U	38.50	-21.20	0	52.79	-	-	74.00	-21.21	-	-	21	218	V	
			* 11.00004	26.24	ADR	38.50	-21.20	0	43.54	54.00	-10.46	-	-	-	-	21	218	V	
	5600	ANT1	* 11.19989	44.80	PK-U	38.60	-21.30	0	62.10	-	-	74.00	-11.90	-	-	52	101	H	
			* 11.19987	28.34	ADR	38.60	-21.30	0	45.64	54.00	-8.36	-	-	-	-	52	101	H	
			* 11.20086	52.62	PK-U	38.60	-21.30	0	69.92	-	-	74.00	-4.08	-	-	153	198	V	
			* 11.20006	34.15	ADR	38.60	-21.30	0	51.45	54.00	-2.55	-	-	-	-	153	198	V	
	5700	ANT1	* 11.39986	33.50	PK-U	42.40	-18.50	0	57.40	-	-	-	-	-	68.20	-10.80	277	112	H
			* 11.39987	27.34	ADR	38.60	-21.40	0	44.54	54.00	-9.46	-	-	-	-	337	383	V	
			* 11.39986	39.32	PK-U	38.60	-21.50	0	56.42	-	-	74.00	-17.58	-	-	46	101	H	
			* 11.39986	25.08	ADR	38.60	-21.40	0	42.28	54.00	-11.72	-	-	-	-	46	101	H	
5720	ANT1	* 11.39988	34.93	PK-U	38.60	-21.40	0	52.13	-	-	74.00	-21.87	-	-	337	383	V		
		* 11.39987	27.34	ADR	38.60	-21.40	0	44.54	54.00	-9.46	-	-	-	-	337	383	V		
		* 11.4412	39.33	PK-U	38.60	-21.30	0	56.63	-	-	74.00	-17.37	-	-	183	101	H		
		* 11.44	25.39	ADR	38.60	-21.30	0	42.69	54.00	-11.31	-	-	-	-	183	101	H		
5720	ANT1	* 11.44184	46.74	PK-U	38.60	-21.30	0	64.04	-	-	74.00	-9.96	-	-	214	159	V		
		* 11.44116	29.96	ADR	38.60	-21.30	0	47.26	54.00	-6.74	-	-	-	-	214	159	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

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	ANT2	* 11.00189	36.36	PK-U	38.50	-21.10	0	53.76	-	-10.42	74.00	-20.24	-	-	14	101	H	
			* 11.00002	26.28	ADR	38.50	-21.20	0	43.58	54.00	-	-	-	-	-	-	14	101	H
			* 11.00116	53.74	PK-U	38.50	-21.10	0	71.14	-	-	-	74.00	-2.86	-	-	159	249	V
			* 11.00151	34.76	ADR	38.50	-21.10	0	52.16	54.00	-1.84	-	-	-	-	-	159	249	V
	5600	ANT2	* 11.20142	46.84	PK-U	38.60	-21.30	0	64.14	-	-	74.00	-9.86	-	-	301	361	H	
			* 11.19719	29.55	ADR	38.60	-21.30	0	46.85	54.00	-7.15	-	-	-	-	301	361	H	
			* 11.20098	53.36	PK-U	38.60	-21.30	0	70.66	-	-	74.00	-3.34	-	-	161	246	V	
			* 11.19838	35.50	ADR	38.60	-21.30	0	52.80	54.00	-1.20	-	-	-	-	161	246	V	
	5700	ANT2	* 11.39981	42.06	PK-U	38.60	-21.40	0	59.26	-	-	74.00	-14.74	-	-	236	101	H	
			* 11.40011	26.41	ADR	38.60	-21.40	0	43.61	54.00	-10.39	-	-	-	-	236	101	H	
			* 11.4015	48.47	PK-U	38.60	-21.40	0	65.67	-	-	74.00	-8.33	-	-	213	205	V	
			* 11.39967	32.44	ADR	38.60	-21.50	0	49.54	54.00	-4.46	-	-	-	-	213	205	V	
	5720	ANT2	* 11.4412	40.71	PK-U	38.60	-21.30	0	58.01	-	-	74.00	-15.99	-	-	303	269	H	
			* 11.44048	25.60	ADR	38.60	-21.30	0	42.90	54.00	-11.10	-	-	-	-	303	269	H	
			* 11.44068	47.32	PK-U	38.60	-21.30	0	64.62	-	-	74.00	-9.38	-	-	213	252	V	
			* 11.43984	31.63	ADR	38.60	-21.30	0	48.93	54.00	-5.07	-	-	-	-	213	252	V	
802.11n(HT20)	5500	ANT2	* 11.00249	35.56	PK-U	38.50	-21.20	0	52.86	-	-	74.00	-21.14	-	-	17	102	H	
			* 10.99998	26.39	ADR	38.50	-21.20	0	43.69	54.00	-10.31	-	-	-	-	17	102	H	
			* 11.00569	52.62	PK-U	38.50	-21.20	0	69.92	-	-	74.00	-4.08	-	-	160	248	V	
			* 11.0017	33.79	ADR	38.50	-21.10	0	51.19	54.00	-2.81	-	-	-	-	160	248	V	
	5600	ANT2	* 11.20241	47.30	PK-U	38.60	-21.30	0	64.60	-	-	74.00	-9.40	-	-	305	101	H	
			* 11.20015	29.20	ADR	38.60	-21.30	0	46.50	54.00	-7.50	-	-	-	-	305	101	H	
			* 11.20041	52.26	PK-U	38.60	-21.30	0	69.56	-	-	74.00	-4.44	-	-	214	156	V	
			* 11.20001	34.65	ADR	38.60	-21.30	0	51.85	54.00	-2.05	-	-	-	-	214	156	V	
	5700	ANT2	* 11.40126	41.87	PK-U	38.60	-21.40	0	59.07	-	-	74.00	-14.93	-	-	304	100	H	
			* 11.40002	25.94	ADR	38.60	-21.40	0	43.14	54.00	-10.86	-	-	-	-	304	100	H	
			* 11.399	45.71	PK-U	38.60	-21.50	0	66.81	-	-	74.00	-11.19	-	-	212	204	V	
			* 11.39985	30.05	ADR	38.60	-21.40	0	47.25	54.00	-6.75	-	-	-	-	212	204	V	
	5720	ANT2	* 11.43848	39.84	PK-U	38.60	-21.30	0	57.14	-	-	74.00	-16.86	-	-	302	270	H	
			* 11.43992	25.69	ADR	38.60	-21.30	0	42.98	54.00	-11.01	-	-	-	-	302	270	H	
			* 11.43828	45.44	PK-U	38.60	-21.30	0	62.74	-	-	74.00	-11.26	-	-	213	292	V	
			* 11.44076	30.30	ADR	38.60	-21.30	0	47.60	54.00	-6.40	-	-	-	-	213	292	V	

Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Cor [dB]	Result dBuV/m	AV Lim dBuV/m	AV Marg [dB]	PK Lim dBuV/m	PK Marg [dB]	Non-Restrict [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5500	ANT3	* 10.99972	35.09	PK-U	38.50	-21.20	0	52.39	-	-	74.00	-21.61	-	-	13	101	H
			* 11.00002	26.70	ADR	38.50	-21.20	0	44.00	54.00	-10.00	-	-	-	-	13	101	H
			* 10.99998	51.10	PK-U	38.50	-21.20	0	68.40	-	-	74.00	-5.60	-	-	219	153	V
			* 10.99989	31.05	ADR	38.50	-21.20	0	48.35	54.00	-5.65	-	-	-	-	219	153	V
	5600	ANT3	* 11.20111	47.09	PK-U	38.60	-21.30	0	64.39	-	-	74.00	-9.61	-	-	305	101	H
			* 11.20015	29.18	ADR	38.60	-21.30	0	46.48	54.00	-7.52	-	-	-	-	305	101	H
			* 11.20096	54.58	PK-U	38.60	-21.30	0	71.88	-	-	74.00	-2.12	-	-	209	103	V
			* 11.19958	35.18	ADR	38.60	-21.30	0	52.48	54.00	-1.52	-	-	-	-	209	103	V
	5700	ANT3	* 11.39417	43.12	PK-U	38.60	-21.40	0	60.32	-	-	74.00	-13.68	-	-	300	104	H
			* 11.3986	25.58	ADR	38.60	-21.50	0	42.68	54.00	-11.32	-	-	-	-	300	104	H
			* 11.40549	50.29	PK-U	38.60	-21.40	0	67.49	-	-	74.00	-6.51	-	-	229	101	V
			* 11.40373	29.64	ADR	38.60	-21.50	0	46.74	54.00	-7.26	-	-	-	-	229	101	V
	5720	ANT3	* 11.44126	47.97	PK-U	38.60	-21.30	0	65.27	-	-	74.00	-8.73	-	-	307	101	H
			* 11.44009	30.38	ADR	38.60	-21.30	0	47.68	54.00	-6.32	-	-	-	-	307	101	H
			* 11.43757	53.62	PK-U	38.60	-21.30	0	70.92	-	-	74.00	-3.08	-	-	230	100	V
			* 11.43859	35.14	ADR	38.60	-21.30	0	52.44	54.00	-1.56	-	-	-	-	230	100	V
802.11n(HT20)	5500	ANT3	* 11.00003	34.98	PK-U	38.50	-21.20	0	52.28	-	-	74.00	-21.72	-	-	14	101	H
			* 10.99988	26.05	ADR	38.50	-21.20	0	43.35	54.00	-10.65	-	-	-	-	14	101	H
			* 11.00333	52.95	PK-U	38.50	-21.20	0	70.25	-	-	74.00	-3.75	-	-	203	202	V
			* 10.99982	31.25	ADR	38.50	-21.20	0	48.55	54.00	-5.45	-	-	-	-	203	202	V
	5600	ANT3	* 11.19721	47.62	PK-U	38.60	-21.30	0	64.92	-	-	74.00	-9.08	-	-	305	100	H
			* 11.19981	29.59	ADR	38.60	-21.30	0	46.89	54.00	-7.11	-	-	-	-	305	100	H
			* 11.2005	53.91	PK-U	38.60	-21.30	0	71.21	-	-	74.00	-2.79	-	-	213	200	V
			* 11.20036	35.15	ADR	38.60	-21.30	0	52.45	54.00	-1.55	-	-	-	-	213	200	V
	5700	ANT3	* 11.40215	42.43	PK-U	38.60	-21.40	0	59.63	-	-	74.00	-14.37	-	-	310	103	H
			* 11.4001	23.79	ADR	38.60	-21.40	0	40.99	54.00	-13.01	-	-	-	-	310	103	H
			* 11.40019	34.78	PK-U	38.60	-21.40	0	51.98	-	-	74.00	-22.02	-	-	342	256	V
			* 11.3999	27.06	ADR	38.60	-21.40	0	44.26	54.00	-9.74	-	-	-	-	342	256	V
	5720	ANT3	* 11.43876	49.39	PK-U	38.60	-21.30	0	66.69	-	-	74.00	-7.31	-	-	300	101	H
			* 11.43945	30.13	ADR	38.60	-21.30	0	47.43	54.00	-6.57	-	-	-	-	300	101	H
			* 11.4414	53.92	PK-U	38.60	-21.30	0	71.22	-	-	74.00	-2.78	-	-	231	101	V
			* 11.4406	34.75	ADR	38.60	-21.30	0	52.05	54.00	-1.95	-	-	-	-	231	101	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

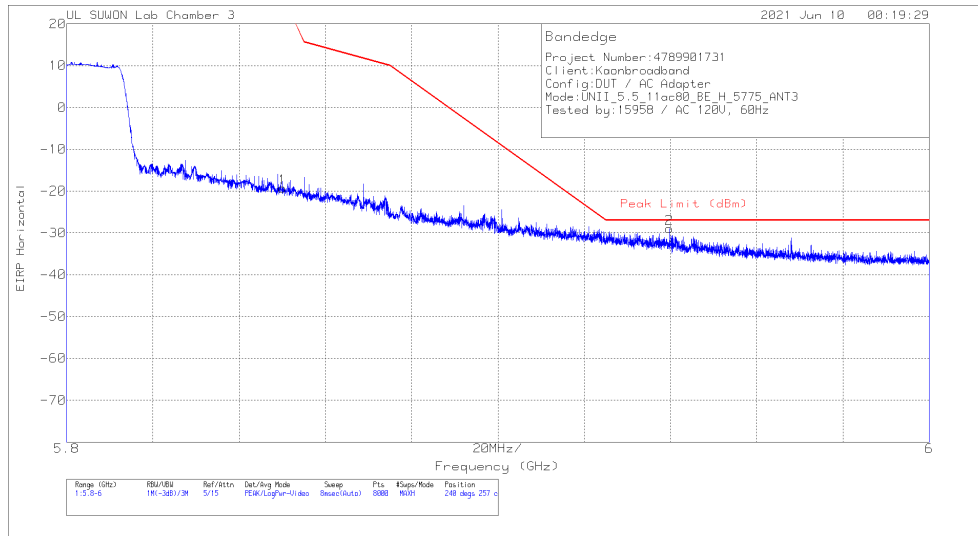
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5500	ANT4	* 11.00076	41.54	PK-U	38.50	-21.20	0	58.84	-	-	74.00	-15.16	-	-	238	273	H	
			11.00101	29.25	ADR	38.50	-21.20	0	46.55	54.00	-7.45	-	-	-	-	-	238	273	H
			* 11.00141	50.62	PK-U	38.50	-21.10	0	68.02	-	-	-	74.00	-5.98	-	-	132	167	V
			* 11.00045	35.44	ADR	38.50	-21.20	0	52.74	54.00	-1.26	-	-	-	-	-	132	167	V
	5600	ANT4	* 11.19818	36.92	PK-U	38.60	-21.30	0	54.22	-	-	74.00	-19.78	-	-	242	101	H	
			* 11.19854	26.28	ADR	38.60	-21.30	0	43.58	54.00	-10.42	-	-	-	-	242	101	H	
			* 11.20001	46.31	PK-U	38.60	-21.30	0	63.61	-	-	74.00	-10.39	-	-	209	322	V	
			* 11.20057	34.84	ADR	38.60	-21.30	0	52.14	54.00	-1.86	-	-	-	-	209	322	V	
	5700	ANT4	* 11.39832	40.50	PK-U	38.60	-21.50	0	57.60	-	-	74.00	-16.40	-	-	219	101	H	
			* 11.39867	29.30	ADR	38.60	-21.50	0	46.40	54.00	-7.60	-	-	-	-	219	101	H	
			* 11.39832	44.02	PK-U	38.60	-21.50	0	61.12	-	-	74.00	-12.88	-	-	215	206	V	
			* 11.40081	32.32	ADR	38.60	-21.40	0	49.52	54.00	-4.48	-	-	-	-	215	206	V	
	5720	ANT4	* 11.44124	38.71	PK-U	38.60	-21.30	0	56.01	-	-	74.00	-17.99	-	-	218	103	H	
			* 11.43988	27.28	ADR	38.60	-21.30	0	44.58	54.00	-9.42	-	-	-	-	218	103	H	
			* 11.44	38.74	PK-U	38.60	-21.30	0	56.04	-	-	74.00	-17.96	-	-	342	207	V	
			* 11.43988	27.85	ADR	38.60	-21.30	0	45.15	54.00	-8.85	-	-	-	-	342	207	V	
	802.11n(HT20)	5500	ANT4	* 10.99967	45.69	PK-U	38.50	-21.20	0	62.99	-	-	74.00	-11.01	-	-	33	100	H
				* 11.00009	29.27	ADR	38.50	-21.20	0	46.57	54.00	-7.43	-	-	-	-	33	100	H
				* 10.9941	50.81	PK-U	38.50	-21.20	0	68.11	-	-	74.00	-5.89	-	-	222	252	V
				* 11.00144	34.89	ADR	38.50	-21.10	0	52.29	54.00	-1.71	-	-	-	-	222	252	V
5600		ANT4	* 11.20039	42.00	PK-U	38.60	-21.30	0	59.30	-	-	74.00	-14.70	-	-	244	100	H	
			* 11.20027	29.08	ADR	38.60	-21.30	0	46.38	54.00	-7.62	-	-	-	-	244	100	H	
			* 11.19955	48.45	PK-U	38.60	-21.30	0	65.75	-	-	74.00	-8.25	-	-	217	214	V	
			* 11.19949	35.40	ADR	38.60	-21.30	0	52.70	54.00	-1.30	-	-	-	-	217	214	V	
5700		ANT4	* 11.39763	40.22	PK-U	38.60	-21.40	0	57.42	-	-	74.00	-16.58	-	-	216	100	H	
			* 11.39861	28.29	ADR	38.60	-21.50	0	45.39	54.00	-8.61	-	-	-	-	216	100	H	
			* 11.39841	43.78	PK-U	38.60	-21.50	0	60.88	-	-	74.00	-13.12	-	-	202	333	V	
			* 11.40084	31.72	ADR	38.60	-21.40	0	48.92	54.00	-5.08	-	-	-	-	202	333	V	
5720		ANT4	* 11.43826	38.32	PK-U	38.60	-21.30	0	55.62	-	-	74.00	-18.38	-	-	218	100	H	
			* 11.43987	26.68	ADR	38.60	-21.30	0	43.98	54.00	-10.02	-	-	-	-	218	100	H	
			* 11.43958	34.81	PK-U	38.60	-21.30	0	52.11	-	-	74.00	-21.89	-	-	341	261	V	
			* 11.43991	27.24	ADR	38.60	-21.30	0	44.54	54.00	-9.46	-	-	-	-	341	261	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 IN THE 5.8 GHz BAND

BANDEDGE (WORST CASE: 802.11ac VHT80 / ANT3 / 5775 MHz)

HORIZONTAL PEAK DATA



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	3117_00218957	10dB_ATT[dB]	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-47.62	Pk	35.9	-19.4	11.8	-19.32	26.99	-46.31	240	257	H
2	5.93977	-57.33	Pk	36	-19.4	11.8	-28.93	-27	-1.93	240	257	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	5.72500	-40.15	Pk	35.60	-19.70	11.80	0	-12.45	27.00	-39.45	157	250	H
			5.62848	-60.02	Pk	35.50	-20.00	11.80	0	-32.72	-27.00	-5.72	157	250	H
			5.72500	-41.17	Pk	35.60	-19.70	11.80	0	-13.47	27.00	-40.47	304	179	V
			5.64870	-61.67	Pk	35.50	-19.90	11.80	0	-34.27	-27.00	-7.27	304	179	V
	5825	MIMO	5.85001	-46.02	Pk	35.90	-19.40	11.80	0	-17.72	26.99	-44.71	155	253	H
			5.93602	-62.54	Pk	36.00	-19.40	11.80	0	-34.14	-27.00	-7.14	155	253	H
			5.85001	-48.48	Pk	35.90	-19.40	11.80	0	-20.18	26.99	-47.17	320	192	V
			5.92579	-61.90	Pk	36.00	-19.40	11.80	0	-33.50	-27.00	-6.50	320	192	V
802.11n(HT20)	5745	MIMO	5.72500	-48.43	Pk	35.60	-19.70	11.80	0	-20.73	27.00	-47.73	174	161	H
			5.64101	-61.69	Pk	35.50	-20.00	11.80	0	-34.39	-27.00	-7.39	174	161	H
			5.72500	-44.20	Pk	35.60	-19.70	11.80	0	-16.50	27.00	-43.50	304	197	V
			5.64442	-61.95	Pk	35.50	-20.00	11.80	0	-34.65	-27.00	-7.65	304	197	V
	5825	MIMO	5.85001	-48.99	Pk	35.90	-19.40	11.80	0	-20.69	26.99	-47.68	193	133	H
			5.94494	-61.79	Pk	36.00	-19.40	11.80	0	-33.39	-27.00	-6.39	193	133	H
			5.85001	-43.71	Pk	35.90	-19.40	11.80	0	-15.41	26.99	-42.40	321	192	V
			5.92717	-61.95	Pk	36.00	-19.40	11.80	0	-33.55	-27.00	-6.55	321	192	V
802.11n(HT40)	5755	MIMO	5.72500	-39.04	Pk	35.60	-19.70	11.80	0	-11.34	27.00	-38.34	174	161	H
			5.64842	-60.09	Pk	35.50	-19.90	11.80	0	-32.69	-27.00	-5.69	174	161	H
			5.72500	-42.39	Pk	35.60	-19.70	11.80	0	-14.69	27.00	-41.69	311	185	V
			5.64304	-60.34	Pk	35.50	-20.00	11.80	0	-33.04	-27.00	-6.04	311	185	V
	5795	MIMO	5.85001	-56.84	Pk	35.90	-19.40	11.80	0	-28.54	26.99	-55.53	220	195	H
			5.96237	-62.18	Pk	36.00	-19.40	11.80	0	-33.78	-27.00	-6.78	220	195	H
			5.85001	-55.37	Pk	35.90	-19.40	11.80	0	-27.07	26.99	-54.06	239	106	V
			5.95337	-62.74	Pk	36.00	-19.40	11.80	0	-34.34	-27.00	-7.34	239	106	V
802.11ac(VHT80)	5775 (Front)	MIMO	5.72500	-46.59	Pk	35.60	-19.70	11.80	0	-18.89	27.00	-45.89	218	172	H
			5.63981	-59.07	Pk	35.50	-20.00	11.80	0	-31.77	-27.00	-4.77	218	172	H
			5.72500	-45.45	Pk	35.60	-19.70	11.80	0	-17.75	27.00	-44.75	298	199	V
			5.63415	-59.45	Pk	35.50	-20.00	11.80	0	-32.15	-27.00	-5.15	298	199	V
	5775 (Rear)	MIMO	5.85001	-52.77	Pk	35.90	-19.40	11.80	0	-24.47	26.99	-51.46	218	171	H
			5.93362	-61.37	Pk	36.00	-19.50	11.80	0	-33.07	-27.00	-6.07	218	171	H
			5.85001	-51.61	Pk	35.90	-19.40	11.80	0	-23.31	26.99	-50.30	298	199	V
			5.92729	-60.53	Pk	36.00	-19.40	11.80	0	-32.13	-27.00	-5.13	298	199	V

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	ANT1	5.72500	-49.03	Pk	35.60	-19.70	11.80	0	-21.33	27.00	-48.33	162	185	H
			5.64283	-62.54	Pk	35.50	-20.00	11.80	0	-35.24	-27.00	-8.24	162	185	H
			5.72500	-51.66	Pk	35.60	-19.70	11.80	0	-23.96	27.00	-50.96	95	353	V
			5.64811	-62.29	Pk	35.50	-19.90	11.80	0	-34.89	-27.00	-7.89	95	353	V
	5825	ANT1	5.85001	-47.01	Pk	35.90	-19.40	11.80	0	-18.71	26.99	-45.70	188	232	H
			5.92934	-62.37	Pk	36.00	-19.40	11.80	0	-33.97	-27.00	-6.97	188	232	H
			5.85001	-55.67	Pk	35.90	-19.40	11.80	0	-27.37	26.99	-54.36	242	100	V
			5.95669	-63.58	Pk	36.00	-19.40	11.80	0	-35.18	-27.00	-8.18	242	100	V
802.11n(HT20)	5745	ANT1	5.72500	-41.64	Pk	35.60	-19.70	11.80	0	-13.94	27.00	-40.94	190	241	H
			5.63537	-62.07	Pk	35.50	-20.00	11.80	0	-34.77	-27.00	-7.77	190	241	H
			5.72500	-48.03	Pk	35.60	-19.70	11.80	0	-20.33	27.00	-47.33	244	129	V
			5.64211	-63.40	Pk	35.50	-20.00	11.80	0	-36.10	-27.00	-9.10	244	129	V
	5825	ANT1	5.85001	-43.71	Pk	35.90	-19.40	11.80	0	-15.41	26.99	-42.40	190	266	H
			5.93017	-62.90	Pk	36.00	-19.40	11.80	0	-34.50	-27.00	-7.50	190	266	H
			5.85001	-51.62	Pk	35.90	-19.40	11.80	0	-23.32	26.99	-50.31	237	100	V
			5.94579	-63.15	Pk	36.00	-19.40	11.80	0	-34.75	-27.00	-7.75	237	100	V
802.11n(HT40)	5755	ANT1	5.72500	-42.60	Pk	35.60	-19.70	11.80	0	-14.90	27.00	-41.90	190	256	H
			5.65157	-59.87	Pk	35.50	-19.90	11.80	0	-32.47	-25.84	-6.63	190	256	H
			5.72500	-52.07	Pk	35.60	-19.70	11.80	0	-24.37	27.00	-51.37	244	110	V
			5.64062	-63.02	Pk	35.50	-20.00	11.80	0	-35.72	-27.00	-8.72	244	110	V
	5795	ANT1	5.85001	-52.80	Pk	35.90	-19.40	11.80	0	-24.50	26.99	-51.49	184	232	H
			5.92459	-61.62	Pk	36.00	-19.50	11.80	0	-33.32	-26.70	-6.62	184	232	H
			5.85001	-59.85	Pk	35.90	-19.40	11.80	0	-31.55	26.99	-58.54	240	105	V
			5.93957	-63.34	Pk	36.00	-19.40	11.80	0	-34.94	-27.00	-7.94	240	105	V
802.11ac(VHT80)	5775 (Front)	ANT1	5.72500	-46.47	Pk	35.60	-19.70	11.80	0	-18.77	27.00	-45.77	180	233	H
			5.64837	-59.16	Pk	35.50	-19.90	11.80	0	-31.76	-27.00	-4.76	180	233	H
			5.72500	-56.46	Pk	35.60	-19.70	11.80	0	-28.76	27.00	-55.76	190	126	V
			5.64275	-61.40	Pk	35.50	-20.00	11.80	0	-34.10	-27.00	-7.10	190	126	V
	5775 (Rear)	ANT1	5.85001	-48.41	Pk	35.90	-19.40	11.80	0	-20.11	26.99	-47.10	180	233	H
			5.92927	-57.92	Pk	36.00	-19.40	11.80	0	-29.52	-27.00	-2.52	180	233	H
			5.85001	-55.66	Pk	35.90	-19.40	11.80	0	-27.36	26.99	-54.35	190	126	V
			5.93304	-61.12	Pk	36.00	-19.40	11.80	0	-32.72	-27.00	-5.72	190	126	V

Note. Pk - Peak detector

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	ANT2	5.72500	-42.87	Pk	35.60	-19.70	11.80	0	-15.17	27.00	-42.17	267	363	H
			5.62601	-63.34	Pk	35.50	-20.00	11.80	0	-36.04	-27.00	-9.04	267	363	H
			5.72500	-37.11	Pk	35.60	-19.70	11.80	0	-9.41	27.00	-36.41	72	175	V
			5.63799	-62.34	Pk	35.50	-20.00	11.80	0	-35.04	-27.00	-8.04	72	175	V
			5.85001	-53.49	Pk	35.90	-19.40	11.80	0	-25.19	26.99	-52.18	248	261	H
	5825	ANT2	5.99347	-62.87	Pk	36.00	-19.30	11.80	0	-34.37	-27.00	-7.37	248	261	H
			5.85001	-48.57	Pk	35.90	-19.40	11.80	0	-20.27	26.99	-47.26	105	194	V
			5.92687	-61.68	Pk	36.00	-19.40	11.80	0	-33.28	-27.00	-6.28	105	194	V
			5.72500	-44.73	Pk	35.60	-19.70	11.80	0	-17.03	27.00	-44.03	267	372	H
			5.63116	-62.99	Pk	35.50	-20.00	11.80	0	-35.69	-27.00	-8.69	267	372	H
802.11n(HT20)	5745	ANT2	5.72500	-41.49	Pk	35.60	-19.70	11.80	0	-13.79	27.00	-40.79	68	172	V
			5.64543	-63.12	Pk	35.50	-20.00	11.80	0	-35.82	-27.00	-8.82	68	172	V
			5.85001	-49.37	Pk	35.90	-19.40	11.80	0	-21.07	26.99	-48.06	245	258	H
			5.98820	-63.27	Pk	36.00	-19.30	11.80	0	-34.77	-27.00	-7.77	245	258	H
			5.85001	-45.25	Pk	35.90	-19.40	11.80	0	-16.95	26.99	-43.94	22	212	V
	5825	ANT2	5.92619	-62.01	Pk	36.00	-19.40	11.80	0	-33.61	-27.00	-6.61	22	212	V
			5.72500	-46.67	Pk	35.60	-19.70	11.80	0	-18.97	27.00	-45.97	262	175	H
			5.63620	-62.29	Pk	35.50	-20.00	11.80	0	-34.99	-27.00	-7.99	262	175	H
			5.72500	-43.89	Pk	35.60	-19.70	11.80	0	-16.19	27.00	-43.19	68	183	V
			5.62841	-62.76	Pk	35.50	-20.00	11.80	0	-35.46	-27.00	-8.46	68	183	V
802.11n(HT40)	5755	ANT2	5.85001	-59.44	Pk	35.90	-19.40	11.80	0	-31.14	26.99	-58.13	245	250	H
			5.93654	-63.66	Pk	36.00	-19.40	11.80	0	-35.26	-27.00	-8.26	245	250	H
			5.85001	-51.75	Pk	35.90	-19.40	11.80	0	-23.45	26.99	-50.44	83	191	V
			5.95977	-62.06	Pk	36.00	-19.40	11.80	0	-33.66	-27.00	-6.66	83	191	V
			5.72500	-50.76	Pk	35.60	-19.70	11.80	0	-23.06	27.00	-50.06	247	261	H
	5775 (Forn)	ANT2	5.64943	-62.35	Pk	35.50	-19.90	11.80	0	-34.95	-27.00	-7.95	247	261	H
			5.72500	-47.87	Pk	35.60	-19.70	11.80	0	-20.17	27.00	-47.17	23	183	V
			5.63340	-60.54	Pk	35.50	-20.00	11.80	0	-33.24	-27.00	-6.24	23	183	V
			5.85001	-51.90	Pk	35.90	-19.40	11.80	0	-23.60	26.99	-50.59	247	261	H
			5.94459	-62.23	Pk	36.00	-19.40	11.80	0	-33.83	-27.00	-6.83	247	261	H
5775 (Rear)	ANT2	5.85001	-47.89	Pk	35.90	-19.40	11.80	0	-19.59	26.99	-46.58	23	183	V	
		5.92629	-57.54	Pk	36.00	-19.40	11.80	0	-29.14	-27.00	-2.14	23	183	V	

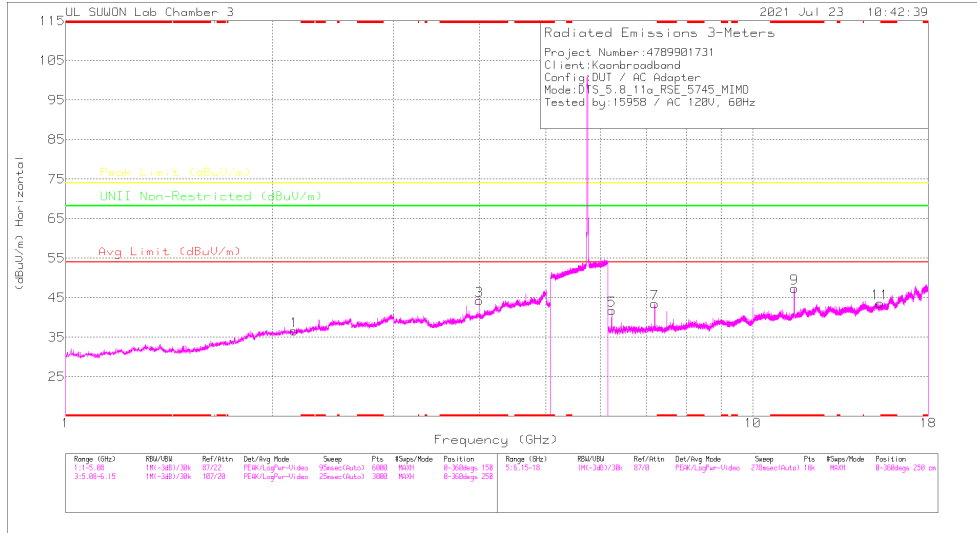
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBm]	Detector Mode	ANT Factor	Loss [dB]	Conv. F [dB]	DC Corr [dB]	Result [dBm]	PK Limit [dBm]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5745	ANT3	5.72500	-42.13	Pk	35.60	-19.70	11.80	0	-14.43	27.00	-41.43	222	195	H
			5.64239	-60.97	Pk	35.50	-20.00	11.80	0	-33.67	-27.00	-6.67	222	195	H
			5.72500	-42.50	Pk	35.60	-19.70	11.80	0	-14.80	27.00	-41.80	89	367	V
			5.63712	-62.38	Pk	35.50	-20.00	11.80	0	-35.08	-27.00	-8.08	89	367	V
			5.85001	-45.16	Pk	35.90	-19.40	11.80	0	-16.86	26.99	-43.85	239	256	H
	5825	ANT3	5.93867	-62.68	Pk	36.00	-19.40	11.80	0	-34.28	-27.00	-7.28	239	256	H
			5.85001	-49.27	Pk	35.90	-19.40	11.80	0	-20.97	26.99	-47.96	293	270	V
			5.99132	-63.56	Pk	36.00	-19.30	11.80	0	-35.06	-27.00	-8.06	293	270	V
			5.72500	-39.72	Pk	35.60	-19.70	11.80	0	-12.02	27.00	-39.02	228	262	H
			5.64889	-61.63	Pk	35.50	-19.90	11.80	0	-34.23	-27.00	-7.23	228	262	H
802.11n(HT20)	5745	ANT3	5.72500	-42.71	Pk	35.60	-19.70	11.80	0	-15.01	27.00	-42.01	286	316	V
			5.63643	-62.70	Pk	35.50	-20.00	11.80	0	-35.40	-27.00	-8.40	286	316	V
			5.85001	-41.09	Pk	35.90	-19.40	11.80	0	-12.79	26.99	-39.78	174	266	H
			5.92647	-62.54	Pk	36.00	-19.40	11.80	0	-34.14	-27.00	-7.14	174	266	H
			5.85001	-44.59	Pk	35.90	-19.40	11.80	0	-16.29	26.99	-43.28	220	311	V
	5825	ANT3	5.93509	-63.26	Pk	36.00	-19.40	11.80	0	-34.86	-27.00	-7.86	220	311	V
			5.72500	-40.49	Pk	35.60	-19.70	11.80	0	-12.79	27.00	-39.79	223	190	H
			5.64245	-59.97	Pk	35.50	-20.00	11.80	0	-32.67	-27.00	-5.67	223	190	H
			5.72500	-47.04	Pk	35.60	-19.70	11.80	0	-19.34	27.00	-46.34	94	330	V
			5.63868	-62.35	Pk	35.50	-20.00	11.80	0	-35.05	-27.00	-8.05	94	330	V
802.11n(HT40)	5755	ANT3	5.85001	-47.63	Pk	35.90	-19.40	11.80	0	-19.33	26.99	-46.32	237	267	H
			5.92729	-60.32	Pk	36.00	-19.40	11.80	0	-31.92	-27.00	-4.92	237	267	H
			5.85001	-51.61	Pk	35.90	-19.40	11.80	0	-23.31	26.99	-50.30	300	271	V
			5.92792	-61.85	Pk	36.00	-19.40	11.80	0	-33.45	-27.00	-6.45	300	271	V
			5.72500	-45.59	Pk	35.60	-19.70	11.80	0	-17.89	27.00	-44.89	237	261	H
	5775 (Forn)	ANT3	5.64809	-57.98	Pk	35.50	-19.90	11.80	0	-30.58	-27.00	-3.58	237	261	H
			5.72500	-47.71	Pk	35.60	-19.70	11.80	0	-20.01	27.00	-47.01	286	306	V
			5.64488	-61.25	Pk	35.50	-20.00	11.80	0	-33.95	-27.00	-6.95	286	306	V
			5.85001	-47.62	Pk	35.90	-19.40	11.80	0	-19.32	26.99	-46.31	240	257	H
			5.93977	-57.33	Pk	36.00	-19.40	11.80	0	-28.93	-27.00	-1.93	240	257	H
5775 (Rear)	ANT3	5.85001	-51.87	Pk	35.90	-19.40	11.80	0	-23.57	26.99	-50.56	293	326	V	
		5.92532	-60.15	Pk	36.00	-19.40	11.80	0	-31.75	-27.00	-4.75	293	326	V	

Note. Pk - Peak detector

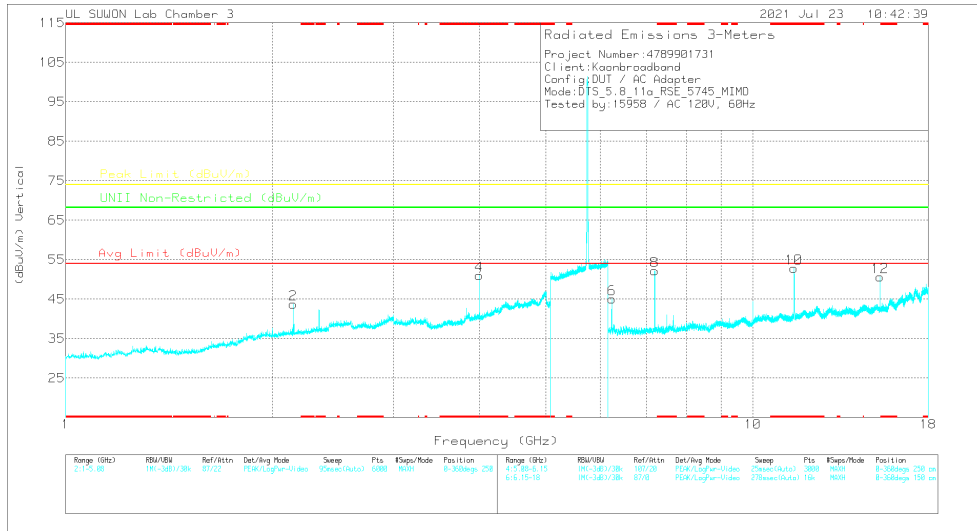
Mode	Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBm]	Detector Mode	ANT Factor	Loss [dB]	Conv. F [dB]	DC Corr [dB]	Result [dBm]	PK Limit [dBm]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5745	ANT4	5.72500	-43.74	Pk	35.60	-19.70	11.80	0	-16.04	27.00	-43.04	272	200	H
			5.64471	-62.73	Pk	35.50	-20.00	11.80	0	-35.43	-27.00	-8.43	272	200	H
			5.72500	-35.27	Pk	35.60	-19.70	11.80	0	-7.57	27.00	-34.57	320	207	V
			5.63220	-61.35	Pk	35.50	-20.00	11.80	0	-34.05	-27.00	-7.05	320	207	V
	5825	ANT4	5.85001	-50.07	Pk	35.90	-19.40	11.80	0	-21.77	26.99	-48.76	280	182	H
			5.96442	-63.03	Pk	36.00	-19.40	11.80	0	-34.63	-27.00	-7.63	280	182	H
			5.85001	-43.16	Pk	35.90	-19.40	11.80	0	-14.86	26.99	-41.85	271	198	V
			5.93379	-61.66	Pk	36.00	-19.50	11.80	0	-33.36	-27.00	-6.36	271	198	V
			5.72500	-44.77	Pk	35.60	-19.70	11.80	0	-17.07	27.00	-44.07	272	191	H
			5.63454	-62.36	Pk	35.50	-20.00	11.80	0	-35.06	-27.00	-8.06	272	191	H
802.11n(HT20)	5745	ANT4	5.72500	-38.36	Pk	35.60	-19.70	11.80	0	-10.66	27.00	-37.66	319	209	V
			5.64744	-61.84	Pk	35.50	-20.00	11.80	0	-34.54	-27.00	-7.54	319	209	V
			5.85001	-47.66	Pk	35.90	-19.40	11.80	0	-19.36	26.99	-46.35	284	194	H
			5.92757	-62.98	Pk	36.00	-19.40	11.80	0	-34.58	-27.00	-7.58	284	194	H
	5825	ANT4	5.85001	-40.88	Pk	35.90	-19.40	11.80	0	-12.58	26.99	-39.57	271	189	V
			5.92559	-62.19	Pk	36.00	-19.40	11.80	0	-33.79	-27.00	-6.79	271	189	V
			5.72500	-48.17	Pk	35.60	-19.70	11.80	0	-20.47	27.00	-47.47	274	212	H
			5.64657	-62.89	Pk	35.50	-19.90	11.80	0	-35.49	-27.00	-8.49	274	212	H
802.11n(HT40)	5755	ANT4	5.72500	-40.44	Pk	35.60	-19.70	11.80	0	-12.74	27.00	-39.74	319	209	V
			5.64848	-61.23	Pk	35.50	-19.90	11.80	0	-33.83	-27.00	-6.83	319	209	V
			5.85001	-57.95	Pk	35.90	-19.40	11.80	0	-29.65	26.99	-56.64	268	180	H
			5.92609	-63.42	Pk	36.00	-19.40	11.80	0	-35.02	-27.00	-8.02	268	180	H
	5795	ANT4	5.85001	-53.20	Pk	35.90	-19.40	11.80	0	-24.90	26.99	-51.89	318	215	V
			5.93022	-62.12	Pk	36.00	-19.40	11.80	0	-33.72	-27.00	-6.72	318	215	V
			5.72500	-51.50	Pk	35.60	-19.70	11.80	0	-23.80	27.00	-50.80	274	223	H
			5.64783	-61.63	Pk	35.50	-19.90	11.80	0	-34.23	-27.00	-7.23	274	223	H
802.11ac(VHT80)	5775 (Front)	ANT4	5.72500	-44.24	Pk	35.60	-19.70	11.80	0	-16.54	27.00	-43.54	271	108	V
			5.64509	-57.65	Pk	35.50	-20.00	11.80	0	-30.35	-27.00	-3.35	271	108	V
			5.85001	-54.24	Pk	35.90	-19.40	11.80	0	-25.94	26.99	-52.93	274	223	H
			5.92664	-62.76	Pk	36.00	-19.40	11.80	0	-34.36	-27.00	-7.36	274	223	H
	5775 (Rear)	ANT4	5.85001	-48.20	Pk	35.90	-19.40	11.80	0	-19.90	26.99	-46.89	271	108	V
			5.92652	-57.93	Pk	36.00	-19.40	11.80	0	-29.53	-27.00	-2.53	271	108	V

Note. Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 802.11a / MIMO / 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)	Meter Reading (dBuV)	Det	3117_00216957	5GHz_LP[dB]	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	Margin (dB)	Acimuh (Degs)	Height (cm)	Polarity
2.14328	59.24	PK-U	32	-34.7	56.54	-	-	-	-	68.2	-11.66	294	228	H
* 4.0003	51.65	PK-U	33.9	-31.9	53.65	-	-	74	-20.35	-	-	96	397	H
* 4.0001	44.3	ADR	33.9	-31.9	46.3	54	-7.7	-	-	-	-	96	397	H
6.23778	39.84	PK-U	36.1	-26.9	49.04	-	-	-	-	68.2	-19.16	0	236	H
7.19899	39.28	PK-U	36.1	-25.2	50.18	-	-	-	-	68.2	-18.02	17	331	H
* 11.48999	46.82	PK-U	38.7	-21.4	64.12	-	-	74	-9.88	-	-	211	101	H
* 11.4852	30.93	ADR	38.7	-21.4	48.23	54	-5.77	-	-	-	-	211	101	H
15.31978	36.14	PK-U	40	-21.1	55.04	-	-	-	-	68.2	-13.16	313	100	H
2.14291	62.63	PK-U	32	-34.7	59.93	-	-	-	-	68.2	-8.27	11	166	V
* 4.0003	54.21	PK-U	33.9	-31.9	56.21	-	-	74	-17.79	-	-	11	101	V
* 4.0005	49.81	ADR	33.9	-31.9	51.81	54	-2.19	-	-	-	-	11	101	V
6.23406	41.32	PK-U	36.1	-26.9	50.52	-	-	-	-	68.2	-17.68	0	135	V
7.2001	44.05	PK-U	36.1	-25.2	54.95	-	-	-	-	68.2	-13.25	7	132	V
* 11.49109	50.56	PK-U	38.7	-21.4	67.86	-	-	74	-6.14	-	-	145	154	V
* 11.48974	35.44	ADR	38.7	-21.4	52.74	54	-1.26	-	-	-	-	145	154	V
15.31977	38.56	PK-U	40	-21.1	57.46	-	-	-	-	68.2	-10.74	0	393	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

Note: In the above emissions, frequencies other than harmonic are local oscillator generated during product operation regardless of RF transmission and were measured only in worst mode.

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	5745	MIMO	* 11.48999	46.82	PK-U	38.70	-21.40	0	64.12	-	-	74.00	-9.88	-	-	211	101	H	
			** 11.4852	30.93	ADR	38.70	-21.40	0	48.23	54.00	-7.77	-	-	-	-	-	211	101	H
			** 11.49109	50.56	PK-U	38.70	-21.40	0	67.86	-	-	-	74.00	-6.14	-	-	145	154	V
			** 11.48974	35.44	ADR	38.70	-21.40	0	52.74	54.00	-1.26	-	-	-	-	-	145	154	V
	5785	MIMO	* 11.57256	43.79	PK-U	38.80	-21.60	0	60.99	-	-	74.00	-13.01	-	-	131	325	H	
			** 11.57461	29.49	ADR	38.80	-21.50	0	46.79	54.00	-7.21	-	-	-	-	131	325	H	
			** 11.57034	49.27	PK-U	38.80	-21.60	0	66.47	-	-	74.00	-7.53	-	-	145	155	V	
			** 11.56989	35.15	ADR	38.80	-21.70	0	52.25	54.00	-1.75	-	-	-	-	145	155	V	
	5825	MIMO	* 11.65075	42.37	PK-U	38.90	-21.50	0	59.77	-	-	74.00	-14.23	-	-	42	131	H	
			** 11.65035	27.99	ADR	38.90	-21.50	0	45.39	54.00	-8.61	-	-	-	-	42	131	H	
			** 11.65092	48.83	PK-U	38.90	-21.60	0	66.13	-	-	74.00	-7.87	-	-	149	203	V	
			** 11.65197	35.08	ADR	38.90	-21.50	0	52.48	54.00	-1.52	-	-	-	-	149	203	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]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
802.11a	5745	ANT1	* 11.49126	52.61	PK-U	38.70	-21.40	0	69.91	-	-	74.00	-4.09	-	-	148	148	V
			** 11.49192	35.22	ADR	38.70	-21.40	0	52.52	54.00	-1.48	-	-	-	-	148	148	V
			** 11.49162	44.01	PK-U	38.70	-21.40	0	61.31	-	-	74.00	-12.69	-	-	243	328	H
			** 11.49063	27.51	ADR	38.70	-21.40	0	44.81	54.00	-9.19	-	-	-	-	243	328	H
	5785	ANT1	* 11.57174	45.17	PK-U	38.80	-21.60	0	62.37	-	-	74.00	-11.63	-	-	43	144	H
			** 11.56982	28.36	ADR	38.80	-21.70	0	45.46	54.00	-8.54	-	-	-	-	43	144	H
			** 11.5712	52.78	PK-U	38.80	-21.60	0	69.98	-	-	74.00	-4.02	-	-	150	150	V
			** 11.57114	35.43	ADR	38.80	-21.60	0	52.63	54.00	-1.37	-	-	-	-	150	150	V
	5825	MIMO	* 11.6473	45.85	PK-U	38.80	-21.50	0	63.15	-	-	74.00	-10.85	-	-	45	198	H
			** 11.65121	29.64	ADR	38.90	-21.60	0	46.94	54.00	-7.06	-	-	-	-	45	198	H
			** 11.64741	52.23	PK-U	38.80	-21.50	0	69.53	-	-	74.00	-4.47	-	-	147	141	V
			** 11.65045	35.28	ADR	38.90	-21.50	0	52.68	54.00	-1.32	-	-	-	-	147	141	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]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5745	ANT2	* 11.48724	45.20	PK-U	38.70	-21.40	0	62.50	-	-	74.00	-11.50	-	-	301	269	H	
			** 11.48994	30.43	ADR	38.70	-21.40	0	47.73	54.00	-6.27	-	-	-	-	301	269	H	
			** 11.48724	50.18	PK-U	38.70	-21.40	0	67.48	-	-	74.00	-6.52	-	-	212	197	V	
			** 11.49036	35.29	ADR	38.70	-21.40	0	52.59	54.00	-1.41	-	-	-	-	212	197	V	
			* 11.56733	44.36	PK-U	38.80	-21.60	0	61.56	-	-	74.00	-12.44	-	-	357	200	H	
			** 11.57114	29.65	ADR	38.80	-21.60	0	46.85	54.00	-7.15	-	-	-	-	357	200	H	
	5785	ANT2	* 11.56736	49.02	PK-U	38.80	-21.60	0	66.22	-	-	74.00	-7.78	-	-	188	150	V	
			** 11.57105	33.79	ADR	38.80	-21.60	0	50.99	54.00	-3.01	-	-	-	-	188	150	V	
			* 11.64735	43.51	PK2	38.80	-21.50	0	60.81	-	-	74.00	-13.19	-	-	224	117	H	
			** 11.64939	28.54	MAV1	38.80	-21.50	0	45.84	54.00	-8.16	-	-	-	-	224	117	H	
			** 15.53332	34.55	PK2	40.20	-21.70	0	53.05	-	-	74.00	-20.95	-	-	18	117	H	
			** 15.53316	26.22	MAV1	40.20	-21.70	0	44.72	54.00	-9.28	-	-	-	-	18	117	H	
	5825	ANT2	* 11.64725	45.99	PK2	38.80	-21.50	0	63.29	-	-	74.00	-10.71	-	-	171	246	V	
			** 11.65113	31.65	MAV1	38.90	-21.60	0	48.95	54.00	-5.05	-	-	-	-	171	246	V	
			** 15.53339	38.61	PK2	40.20	-21.70	0	57.11	-	-	74.00	-16.89	-	-	356	388	V	
			** 15.53323	33.02	MAV1	40.20	-21.70	0	51.52	54.00	-2.48	-	-	-	-	356	388	V	
			* 11.49501	44.31	PK-U	38.70	-21.40	0	61.61	-	-	74.00	-12.39	-	-	259	264	H	
			** 11.49011	28.86	ADR	38.70	-21.40	0	46.16	54.00	-7.84	-	-	-	-	259	264	H	
	802.11n(HT20)	5745	ANT2	** 11.49516	50.10	PK-U	38.70	-21.40	0	67.40	-	-	74.00	-6.80	-	-	214	205	V
				** 11.49031	35.27	ADR	38.70	-21.40	0	52.57	54.00	-1.43	-	-	-	-	214	205	V
				* 11.56981	46.19	PK-U	38.80	-21.70	0	63.29	-	-	74.00	-10.71	-	-	94	122	H
				** 11.56866	30.22	ADR	38.80	-21.60	0	47.42	54.00	-6.58	-	-	-	-	94	122	H
		5785	ANT2	** 11.57525	48.85	PK-U	38.80	-21.60	0	66.05	-	-	74.00	-7.95	-	-	155	249	V
				** 11.56931	34.25	ADR	38.80	-21.60	0	51.45	54.00	-2.55	-	-	-	-	155	249	V
* 11.6475				42.68	PK-U	38.80	-21.50	0	59.98	-	-	74.00	-14.02	-	-	225	115	H	
** 11.64965				28.51	ADR	38.80	-21.50	0	45.81	54.00	-8.19	-	-	-	-	225	115	H	
5825		ANT2	** 11.6472	46.38	PK-U	38.80	-21.50	0	63.68	-	-	74.00	-10.32	-	-	152	247	V	
			** 11.6506	32.03	ADR	38.90	-21.50	0	49.43	54.00	-4.57	-	-	-	-	152	247	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

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	5745	ANT3	* 11.4876	43.71	PK-U	38.70	-21.40	0	61.01	-	-	74.00	-12.99	-	-	155	306	H	
			* 11.492	29.97	ADR	38.70	-21.40	0	47.27	54.00	-6.73	-	-	-	-	-	155	306	H
			* 11.4901	36.28	PK-U	38.70	-21.40	0	53.58	-	-	-	74.00	-20.42	-	-	349	254	V
			* 11.48994	27.55	ADR	38.70	-21.40	0	44.85	54.00	-9.15	-	-	-	-	-	349	254	V
	5785	ANT3	* 11.56706	49.59	PK-U	38.80	-21.60	0	66.79	-	-	74.00	-7.21	-	-	-	215	370	H
			* 11.56811	32.34	ADR	38.80	-21.60	0	49.54	54.00	-4.46	-	-	-	-	-	215	370	H
			* 11.56716	52.79	PK-U	38.80	-21.60	0	69.99	-	-	74.00	-4.01	-	-	-	229	100	V
			* 11.5718	35.32	ADR	38.80	-21.60	0	52.52	54.00	-1.48	-	-	-	-	-	229	100	V
	5825	ANT3	* 11.64741	51.26	PK-U	38.80	-21.50	0	68.56	-	-	74.00	-5.44	-	-	-	212	396	H
			* 11.6513	34.95	ADR	38.90	-21.60	0	52.25	54.00	-1.75	-	-	-	-	-	212	396	H
			* 11.64731	51.54	PK-U	38.80	-21.50	0	68.84	-	-	74.00	-5.16	-	-	-	231	101	V
			* 11.65145	34.82	ADR	38.90	-21.60	0	52.12	54.00	-1.88	-	-	-	-	-	231	101	V
802.11n(HT20)	5745	ANT3	* 11.4867	49.43	PK-U	38.70	-21.30	0	66.83	-	-	74.00	-7.17	-	-	-	297	101	H
			* 11.49015	30.67	ADR	38.70	-21.40	0	47.97	54.00	-6.03	-	-	-	-	-	297	101	H
			* 11.4895	53.66	PK-U	38.70	-21.40	0	70.96	-	-	74.00	-3.04	-	-	-	228	100	V
			* 11.48765	35.39	ADR	38.70	-21.40	0	52.69	54.00	-1.31	-	-	-	-	-	228	100	V
	5785	ANT3	* 11.56724	47.34	PK-U	38.80	-21.60	0	64.54	-	-	74.00	-9.46	-	-	-	148	328	H
			* 11.57232	33.50	ADR	38.80	-21.60	0	50.70	54.00	-3.30	-	-	-	-	-	148	328	H
			* 11.5696	48.48	PK-U	38.80	-21.70	0	65.58	-	-	74.00	-8.42	-	-	-	148	301	V
			* 11.56996	34.33	ADR	38.80	-21.60	0	51.53	54.00	-2.47	-	-	-	-	-	148	301	V
	5825	ANT3	* 11.64728	48.20	PK-U	38.80	-21.50	0	65.50	-	-	74.00	-8.50	-	-	-	155	301	H
			* 11.65044	34.96	ADR	38.90	-21.50	0	52.36	54.00	-1.64	-	-	-	-	-	155	301	H
			* 11.65481	48.11	PK-U	38.90	-21.50	0	65.51	-	-	74.00	-8.49	-	-	-	146	306	V
			* 11.65065	35.08	ADR	38.90	-21.50	0	52.48	54.00	-1.52	-	-	-	-	-	146	306	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]	Non-Restricted [dBuV/m]	Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity	
802.11a	5745	ANT4	* 11.49081	42.27	PK-U	38.70	-21.40	0	59.57	-	-	74.00	-14.43	-	-	-	211	100	H
			* 11.49051	30.40	ADR	38.70	-21.40	0	47.70	54.00	-6.30	-	-	-	-	-	211	100	H
			* 11.49105	44.95	PK-U	38.70	-21.40	0	62.25	-	-	74.00	-11.75	-	-	-	164	359	V
			* 11.49057	33.53	ADR	38.70	-21.40	0	50.83	54.00	-3.17	-	-	-	-	-	164	359	V
	5785	ANT4	* 11.5758	41.99	PK-U	38.80	-21.60	0	59.19	-	-	74.00	-14.81	-	-	-	146	383	H
			* 11.569	27.57	ADR	38.80	-21.60	0	44.77	54.00	-9.23	-	-	-	-	-	146	383	H
			* 11.57016	37.13	PK-U	38.80	-21.60	0	54.33	-	-	74.00	-19.67	-	-	-	360	165	V
			* 11.56954	24.11	ADR	38.80	-21.70	0	41.21	54.00	-12.79	-	-	-	-	-	360	163	V
	5825	ANT4	* 11.6458	36.16	PK-U	38.80	-21.50	0	-	-	-	74.00	-20.54	-	-	-	41	391	H
			* 11.64982	25.37	ADR	38.80	-21.50	0	-	54.00	-11.33	-	-	-	-	-	41	391	H
			* 11.65024	36.23	PK-U	38.90	-21.50	0	-	-	-	74.00	-20.37	-	-	-	336	364	V
			* 11.65009	27.65	ADR	38.90	-21.50	0	-	54.00	-8.95	-	-	-	-	-	336	364	V
802.11n(HT20)	5745	ANT4	* 11.49091	41.53	PK-U	38.70	-21.40	0	58.83	-	-	74.00	-15.17	-	-	-	216	100	H
			* 11.48956	29.92	ADR	38.70	-21.40	0	47.22	54.00	-6.78	-	-	-	-	-	216	100	H
			* 11.49121	44.34	PK-U	38.70	-21.40	0	61.64	-	-	74.00	-12.36	-	-	-	197	386	V
			* 11.48906	32.65	ADR	38.70	-21.40	0	49.95	54.00	-4.05	-	-	-	-	-	197	386	V
	5785	ANT4	* 11.56421	43.23	PK-U	38.80	-21.60	0	60.43	-	-	74.00	-13.57	-	-	-	211	101	H
			* 11.57035	27.88	ADR	38.80	-21.60	0	45.08	54.00	-8.92	-	-	-	-	-	211	101	H
			* 11.56984	37.05	PK-U	38.80	-21.70	0	54.15	-	-	74.00	-19.85	-	-	-	339	380	V
			* 11.57	28.97	ADR	38.80	-21.60	0	46.07	54.00	-7.93	-	-	-	-	-	339	380	V
	5825	ANT4	* 11.65186	38.62	PK-U	38.90	-21.50	0	56.02	-	-	74.00	-17.98	-	-	-	39	391	H
			* 11.64998	25.27	ADR	38.80	-21.50	0	42.57	54.00	-11.43	-	-	-	-	-	39	391	H
			* 11.65006	36.12	PK-U	38.90	-21.50	0	53.52	-	-	74.00	-20.48	-	-	-	339	364	V
			* 11.65013	27.68	ADR	38.90	-21.50	0	45.08	54.00	-8.92	-	-	-	-	-	339	364	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

11.5. Spurious Emissions for Simultaneous Transmission

11.5.1. Worst test case RSDB condition

Case 1 (2.4GHz WLAN SISO & 5GHz WLAN MIMO)

Case 1	2.4 GHz WLAN Antenna ANT2	5GHz WLAN Antenna ALL
Mode	802.11b	802.11a
Channel	11	100
Frequency[MHz]	2462	5600
Data Rate	1Mbps	6Mbps

Case 2 (2.4GHz WLAN MIMO & 5GHz WLAN MIMO)

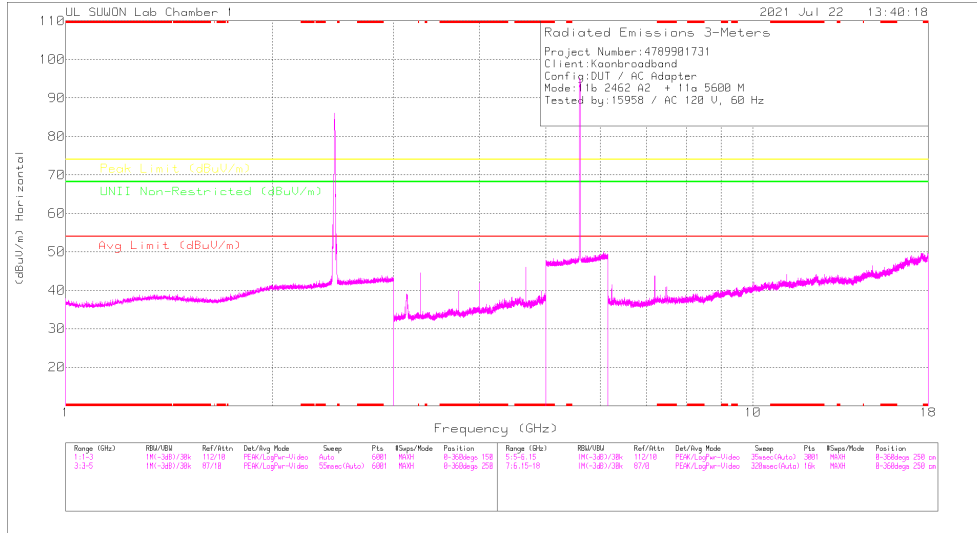
Case 1	2.4 GHz WLAN Antenna ALL	5GHz WLAN Antenna ALL
Mode	802.11b	802.11a
Channel	1	100
Frequency[MHz]	2412	5600
Data Rate	1Mbps	6Mbps

NOTE

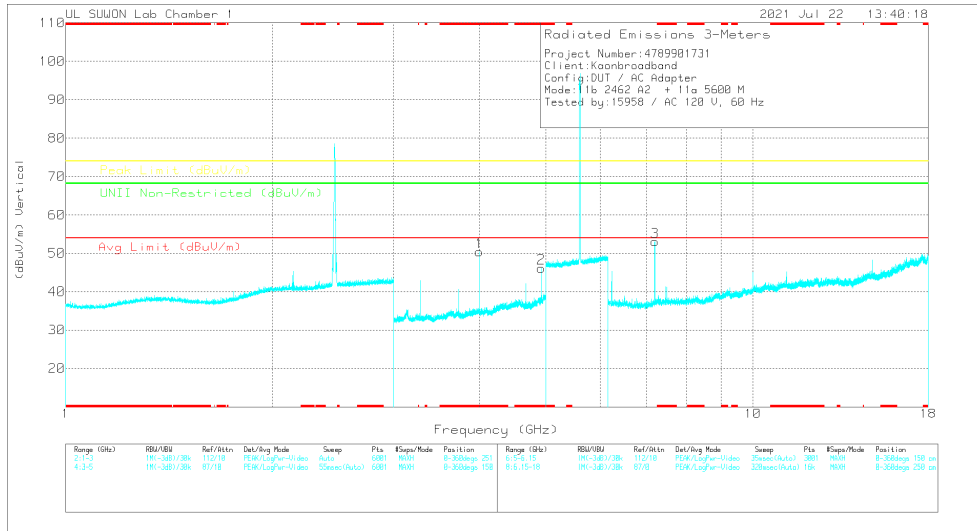
The lowest margin condition among the channels and modes were selected for test. Low, mid, and high channels of 2.4GH WLAN were tested, and the worst case configuration & data were listed in the test report.

HARMONICS AND SPURIOUS EMISSIONS (Case 1)

HORIZONTAL



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.

DATA

Radiated Emissions

Frequency (GHz)	Meas. Reading (dBuV)	Det.	317_00168717	5GHz_H(F)(dB)	DTS_Noise(dB)	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)	Azimuth (Degs)	Height (cm)	Polarity
* 4.00011	51.77	PK2	33.5	-31.4	-4	0	53.67	-	-	74	-20.33	-	-	0	146	V
* 3.98981	35.77	MAv1	33.4	-31.4	-4	0	38.77	54	-15.83	-	-	-	-	0	146	V
* 4.92424	49.95	PK2	34.1	-30.6	-4	0	53.85	-	-	74	-20.15	-	-	146	389	V
* 4.92408	44.03	MAv1	34.1	-30.6	-4	0	47.93	54	-6.07	-	-	-	-	146	389	V

Frequency (GHz)	Meas. Reading (dBuV)	Det.	317_00168717	6GHz_H(F)(dB)	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)	Azimuth (Degs)	Height (cm)	Polarity
* 7.20015	47.46	PK2	35.9	-27.5	0	55.86	-	-	-	-	68.2	-12.34	0	143	V

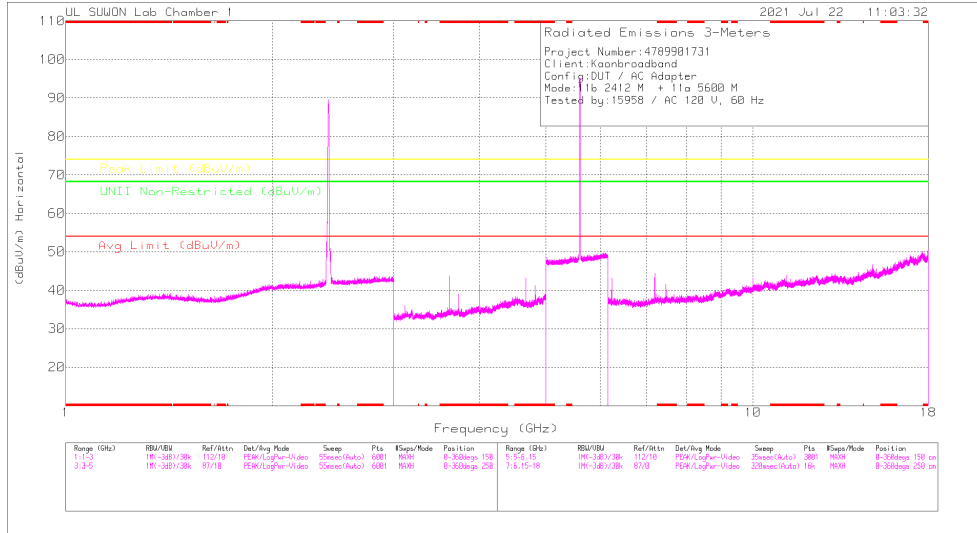
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

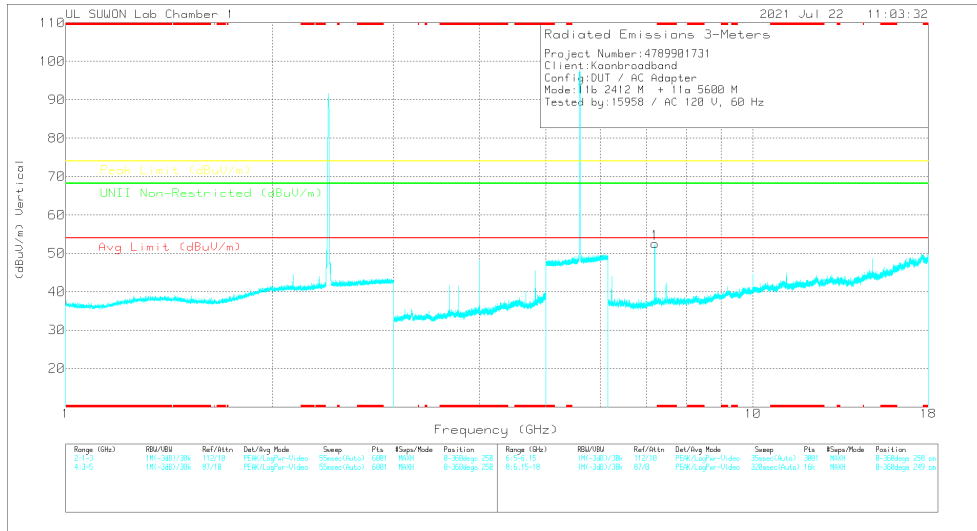
ADR - U-NII AD primary method, RMS average

HARMONICS AND SPURIOUS EMISSIONS (Case 2)

HORIZONTAL



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.

DATA

Radiated Emissions

Frequency (GHz)	Max Reading (dBuV)	Det	3117_01980717	4GHz_HF(98)	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
7.20021	46.88	PK2	35.0	-27.5	0	55.28	-	-	-	-	68.2	-12.92	0	143	V

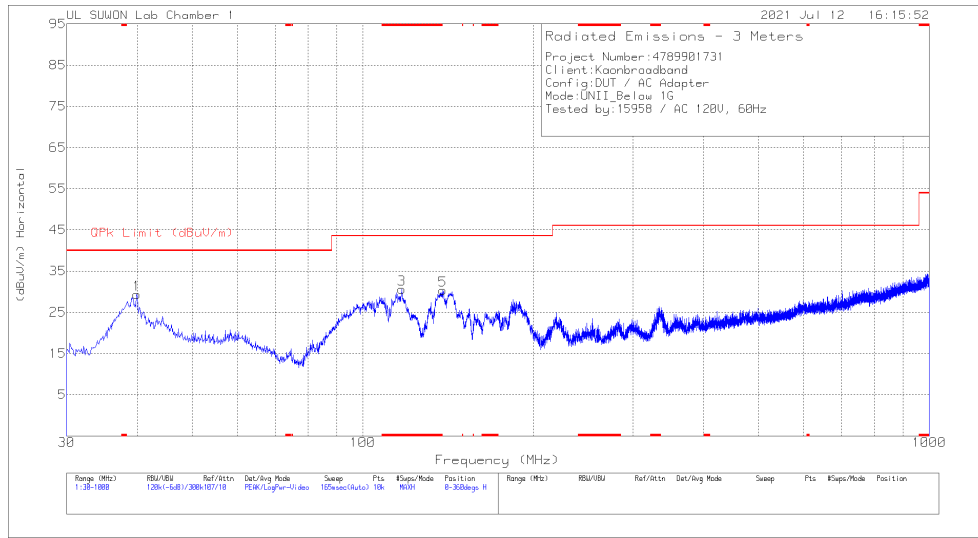
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

12. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (802.11n HT40 MIMO 5755 MHz, HORIZONTAL)



SPURIOUS EMISSIONS 30 TO 1000 MHz (802.11n HT40 MIMO 5755 MHz, VERTICAL)



Below 1G Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	39.894	41.75	Pk	18.7	-31.1	29.35	40	-10.65	0-360	200	H
3	* 117.106	44.55	Pk	16	-30	30.55	43.52	-12.97	0-360	300	H
5	138.543	46.34	Pk	13.8	-29.8	30.34	43.52	-13.18	0-360	200	H
2	39.312	52.94	Pk	18.5	-31.1	40.34	40	.34	0-360	100	V
2	39.312	47.46	Qp	18.5	-31.1	34.86	40	-5.14	221	100	V
4	107.212	43.15	Pk	17.6	-30.2	30.55	43.52	-12.97	0-360	100	V
6	* 136.7	46.24	Pk	13.9	-29.8	30.34	43.52	-13.18	0-360	100	V

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

Pk - Peak detector

Qp - Quasi-Peak detector

13. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
IC RSS-GEN Clause 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 [*]	56 to 46 [*]
0.5-5	56	46
5-30	60	50

^{*}Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

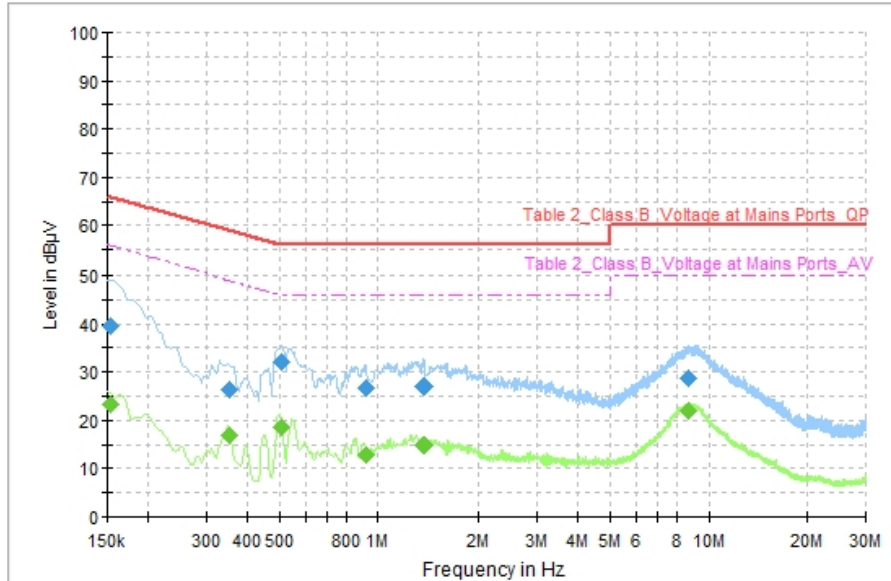
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

WORST EMISSIONS

LINE 1 DATA



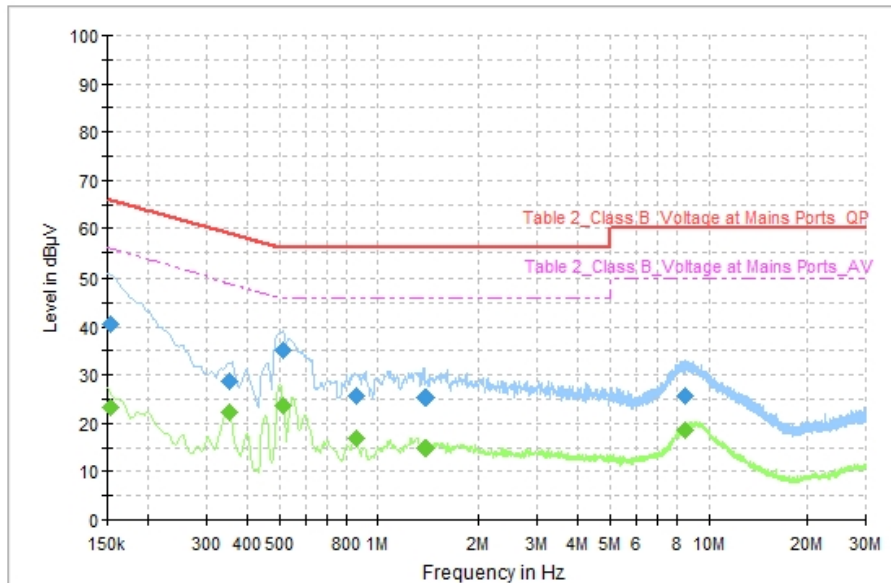
Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154000	39.64	65.78	26.14	L1	ON	9.8
0.352478	26.41	58.90	32.49	L1	ON	9.9
0.507846	32.08	56.00	23.92	L1	ON	10.0
0.915309	26.68	56.00	29.32	L1	ON	9.8
1.371838	27.14	56.00	28.86	L1	ON	9.8
8.669478	28.60	60.00	31.40	L1	ON	9.9

Final_Result_CAV

Frequency (MHz)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154000	23.45	55.78	32.33	L1	ON	9.8
0.352478	16.83	48.90	32.07	L1	ON	9.9
0.507846	18.62	46.00	27.38	L1	ON	10.0
0.915309	12.86	46.00	33.14	L1	ON	9.8
1.371838	14.80	46.00	31.20	L1	ON	9.8
8.669478	22.08	50.00	27.92	L1	ON	9.9

LINE 2 DATA



Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154000	40.49	65.78	25.30	N	ON	9.8
0.354206	28.58	58.86	30.29	N	ON	9.9
0.515846	35.06	56.00	20.94	N	ON	9.9
0.853463	25.73	56.00	30.27	N	ON	9.8
1.376228	25.20	56.00	30.80	N	ON	9.8
8.485603	25.82	60.00	34.18	N	ON	9.9

Final_Result_CAV

Frequency (MHz)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154000	23.42	55.78	32.36	N	ON	9.8
0.354206	22.40	48.86	26.47	N	ON	9.9
0.515846	23.60	46.00	22.40	N	ON	9.9
0.853463	16.89	46.00	29.11	N	ON	9.8
1.376228	14.96	46.00	31.04	N	ON	9.8
8.485603	18.67	50.00	31.33	N	ON	9.9

END OF TEST REPORT