9.6 RADIATED MEASUREMENT

9.6.1 RADIATED SPURIOUS EMISSIONS.

Test Requirements and limit, §15.205,§15.209, §15.407

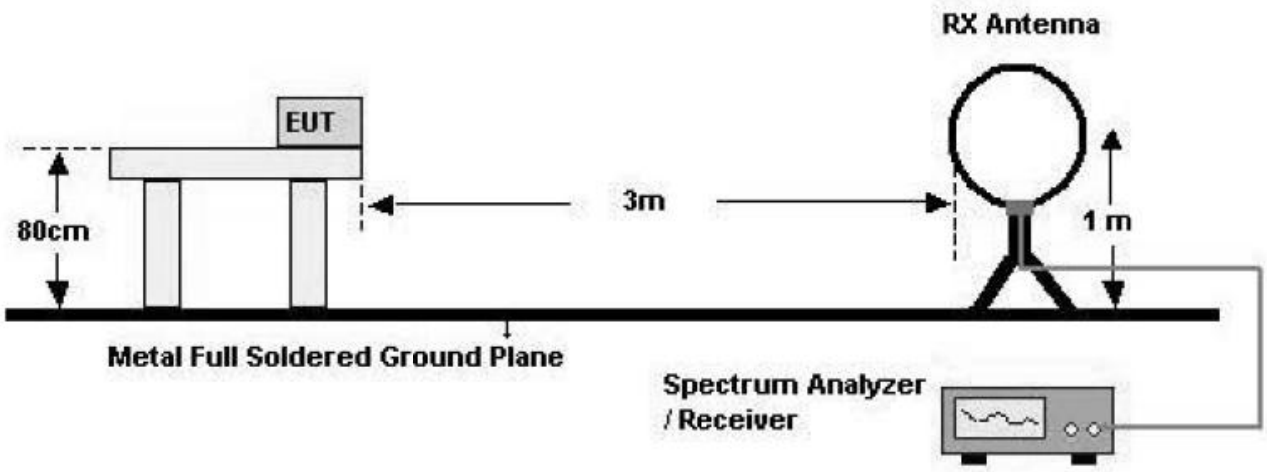
Frequency (MHz)	Field Strength (uV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

▣§15.407, KDB 789033D02 v01r02

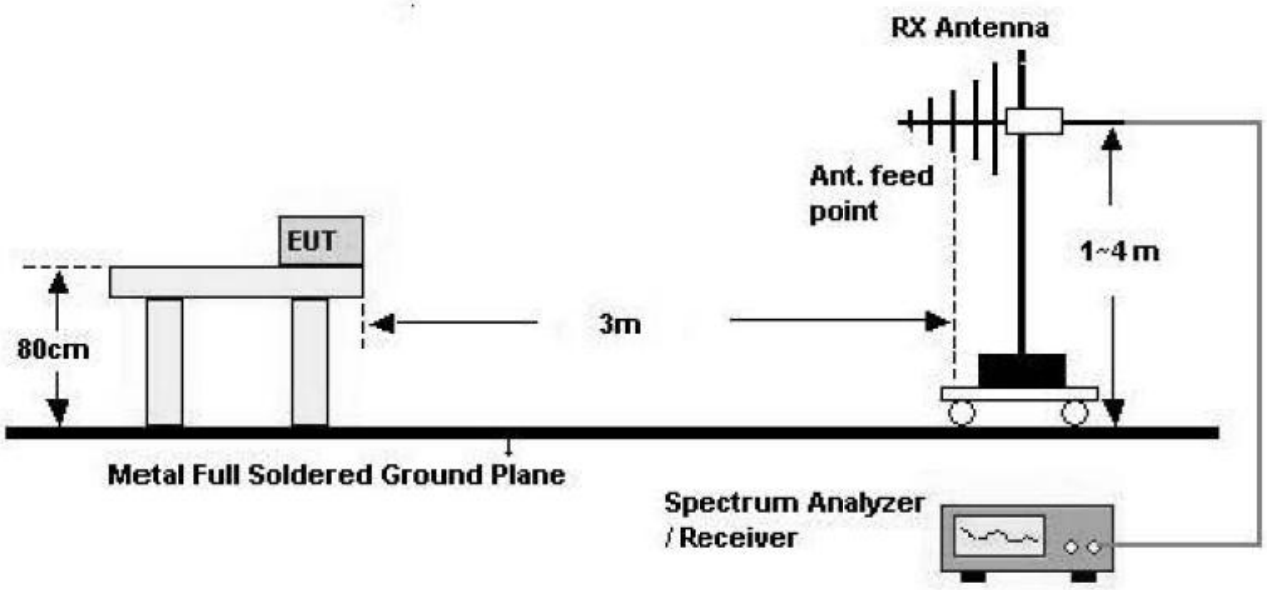
All harmonics that do not lie in a restricted band are subject to a peak limit of -27 dBm/MHz. At a distance of 3 meters the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2 dB to the EIRP limit of -27 dBm/MHz to obtain the limit for out of band spurious emissions of 68.2 dBμV/m. Espectally, for transmitter operating in the 5725 Mhz – 5850 MHz : all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequency 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Test Configuration

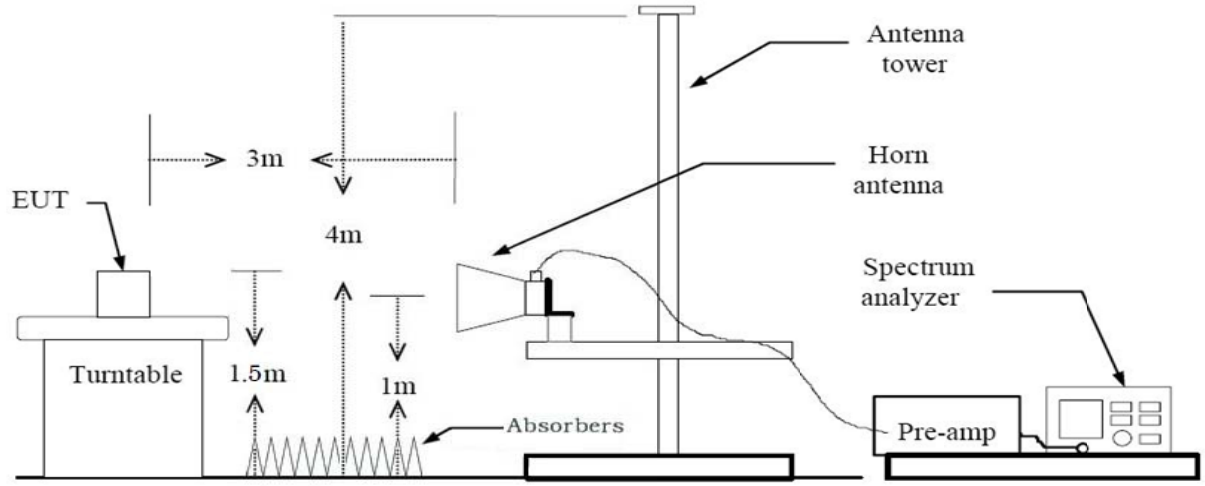
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



TEST PROCEDURE USED

ANSI C63.10:2013

Method G)5) in KDB 789033D02 v01r02(Peak)

Method G)6)d) in KDB 789033D02 v01r02 (Average)

. Spectrum setting:

- Peak.

1. RBW = 1 MHz
2. VBW ≥ 3 MHz
3. Detector = Peak
4. Sweep Time = auto
5. Trace mode = max hold
6. Allow sweeps to continue until the trace stabilizes.
7. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately 1/x, where x is the duty cycle.

- Average (Method VB :Averaging using reduced video bandwidth)

1. RBW = 1 MHz
2. VBW
   2.1. If the EUT is configured to transmit with duty cycle ≥ 98 percent, set VBW ≤ RBW/100(i.e., 10 kHz) but not less than 10 Hz.
   2.2. If the EUT duty cycle is < 98 percent, set VBW ≥ 1/T, where T is the minimum transmission duration.
3. The analyzer is set to linear detector mode.

4. Detector = Peak.
5. Sweep time = auto.
6. Trace mode = max hold.
7. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98 percent duty cycle. For lower duty cycles, increase the minimym number of traces by a factor of 1/x, where x is the duty cycle.

Note :

1. We used the Method VB for802.11a, n_HT20, n_HT40, ac_VHT40, ac_VHT80 mode to perform the average filed strength measurements.
2. The actual setting value of VBW for 802.11a, n_HT20, n_HT40, ac_VHT40, ac_VHT80 mode.

Mode	Worst Data rate (Mbps)	T_{on} (ms)	T_{total} (ms)	Duty Cycle (%)	VBW(1/T) (Hz)	The actual setting value of VBW (Hz)
a	**6**	**2.040**	**2.055**	**99.27**	**490**	**1000**
n_HT20	**MCS 0**	**1.878**	**1.898**	**98.95**	**532**	**1000**
ac_VHT20	**MCS 0**	**1.247**	**1.265**	**98.58**	**802**	**1000**
n_HT40	**MCS 0**	**0.976**	**0.995**	**98.09**	**1025**	**3000**
ac_VHT40	**MCS 0**	**0.491**	**0.510**	**96.27**	**2037**	**3000**
ac_VHT80	**MCS 0**	**0.249**	**0.268**	**92.91**	**4016**	**10000**

TEST RESULTS

9 kHz – 30MHz

Operation Mode: Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

Notes:

1. Measuring frequencies from 9 kHz to the 30MHz.
2. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
3. Distance extrapolation factor = 40 log (specific distance / test distance) (dB)
4. Limit line = specific Limits (dBuV) + Distance extrapolation factor
5. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

TEST RESULTS

Below 1 GHz

Operation Mode: Normal Mode

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

Notes:

1. Measuring frequencies from 30 MHz to the 1 GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Above 1 GHz

Band :	UNII 1
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	42.64	7.23	V	49.87	68.20	18.33	PK
15540	45.74	11.95	V	57.69	73.98	16.29	PK
15540	31.48	11.95	V	43.43	53.98	10.55	AV
10360	42.63	7.23	H	49.86	68.20	18.34	PK
15540	45.81	11.95	H	57.76	73.98	16.22	PK
15540	31.52	11.95	H	43.47	53.98	10.51	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	41.66	7.24	V	48.90	68.20	19.30	PK
15600	45.57	11.32	V	56.89	73.98	17.09	PK
15600	31.74	11.32	V	43.06	53.98	10.92	AV
10400	41.63	7.24	H	48.87	68.20	19.33	PK
15600	45.56	11.32	H	56.88	73.98	17.10	PK
15600	31.78	11.32	H	43.10	53.98	10.88	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	42.14	7.25	V	49.39	68.20	18.81	PK
15720	48.22	12.06	V	60.28	73.98	13.70	PK
15720	32.77	12.06	V	44.83	53.98	9.15	AV
10480	42.13	7.25	H	49.38	68.20	18.82	PK
15720	48.23	12.06	H	60.29	73.98	13.69	PK
15720	32.82	12.06	H	44.88	53.98	9.10	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 1
Operation Mode:	802.11n_HT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	42.60	7.23	V	49.83	68.20	18.37	PK
15540	45.70	11.95	V	57.65	73.98	16.33	PK
15540	31.45	11.95	V	43.40	53.98	10.58	AV
10360	42.61	7.23	H	49.84	68.20	18.36	PK
15540	45.79	11.95	H	57.74	73.98	16.24	PK
15540	31.49	11.95	H	43.44	53.98	10.54	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11n_ HT20
Transfer MCS Index:	0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	41.62	7.24	V	48.86	68.20	19.34	PK
15600	45.53	11.32	V	56.85	73.98	17.13	PK
15600	31.71	11.32	V	43.03	53.98	10.95	AV
10400	41.61	7.24	H	48.85	68.20	19.35	PK
15600	45.54	11.32	H	56.86	73.98	17.12	PK
15600	31.75	11.32	H	43.07	53.98	10.91	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11n_ HT20
Transfer MCS Index:	0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	42.10	7.25	V	49.35	68.20	18.85	PK
15720	48.18	12.06	V	60.24	73.98	13.74	PK
15720	32.74	12.06	V	44.80	53.98	9.18	AV
10480	42.11	7.25	H	49.36	68.20	18.84	PK
15720	48.21	12.06	H	60.27	73.98	13.71	PK
15720	32.79	12.06	H	44.85	53.98	9.13	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10360	42.54	7.23	V	49.77	68.20	18.43	PK
15540	45.64	11.95	V	57.59	73.98	16.39	PK
15540	31.88	11.95	V	43.83	53.98	10.15	AV
10360	42.55	7.23	H	49.78	68.20	18.42	PK
15540	45.73	11.95	H	57.68	73.98	16.30	PK
15540	31.95	11.95	H	43.90	53.98	10.08	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5200 MHz
Channel No.	40 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10400	41.56	7.24	V	48.80	68.20	19.40	PK
15600	45.47	11.32	V	56.79	73.98	17.19	PK
15600	32.14	11.32	V	43.46	53.98	10.52	AV
10400	41.55	7.24	H	48.79	68.20	19.41	PK
15600	45.48	11.32	H	56.80	73.98	17.18	PK
15600	32.21	11.32	H	43.53	53.98	10.45	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5240 MHz
Channel No.	48 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10480	42.04	7.25	V	49.29	68.20	18.91	PK
15720	48.12	12.06	V	60.18	73.98	13.80	PK
15720	33.17	12.06	V	45.23	53.98	8.75	AV
10480	42.05	7.25	H	49.30	68.20	18.90	PK
15720	48.15	12.06	H	60.21	73.98	13.77	PK
15720	33.25	12.06	H	45.31	53.98	8.67	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	41.40	7.34	V	48.74	68.20	19.46	PK
15570	44.86	11.66	V	56.52	73.98	17.46	PK
15570	32.08	11.66	V	43.74	53.98	10.24	AV
10380	41.49	7.34	H	48.83	68.20	19.37	PK
15570	44.95	11.66	H	56.61	73.98	17.37	PK
15570	32.15	11.66	H	43.81	53.98	10.17	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	45.49	7.24	V	52.73	68.20	15.47	PK
15690	45.99	11.69	V	57.68	73.98	16.30	PK
15690	33.19	11.69	V	44.88	53.98	9.10	AV
10460	45.59	7.24	H	52.83	68.20	15.37	PK
15690	46.08	11.69	H	57.77	73.98	16.21	PK
15690	33.24	11.69	H	44.93	53.98	9.05	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10380	41.36	7.34	V	48.70	68.20	19.50	PK
15570	44.82	11.66	V	56.48	73.98	17.50	PK
15570	32.05	11.66	V	43.71	53.98	10.27	AV
10380	41.47	7.34	H	48.81	68.20	19.39	PK
15570	44.93	11.66	H	56.59	73.98	17.39	PK
15570	32.12	11.66	H	43.78	53.98	10.20	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 1
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5230 MHz
Channel No.	46 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10460	45.45	7.24	V	52.69	68.20	15.51	PK
15690	45.95	11.69	V	57.64	73.98	16.34	PK
15690	33.16	11.69	V	44.85	53.98	9.13	AV
10460	45.57	7.24	H	52.81	68.20	15.39	PK
15690	46.06	11.69	H	57.75	73.98	16.23	PK
15690	33.21	11.69	H	44.90	53.98	9.08	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 1
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10420	41.58	7.29	V	48.87	68.20	19.33	PK
15630	45.17	11.80	V	56.97	73.98	17.01	PK
15630	33.95	11.80	V	45.75	53.98	8.23	AV
10420	41.75	7.29	H	49.04	68.20	19.16	PK
15630	45.32	11.80	H	57.12	73.98	16.86	PK
15630	34.03	11.80	H	45.83	53.98	8.15	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11a
Transfer MCS Index:	6 Mbps
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	43.54	7.45	V	50.99	68.20	17.21	PK
15780	46.37	11.52	V	57.89	73.98	16.09	PK
15780	32.62	11.52	V	44.14	53.98	9.84	AV
10520	43.52	7.45	H	50.97	68.20	17.23	PK
15780	46.36	11.52	H	57.88	73.98	16.10	PK
15780	32.67	11.52	H	44.19	53.98	9.79	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	42.44	7.78	V	50.22	73.98	23.76	PK
10600	28.36	7.78	V	36.14	53.98	17.84	AV
15900	45.11	11.62	V	56.73	73.98	17.25	PK
15900	31.19	11.62	V	42.81	53.98	11.17	AV
10600	42.43	7.78	H	50.21	73.98	23.77	PK
10600	28.41	7.78	H	36.19	53.98	17.79	AV
15900	45.09	11.62	H	56.71	73.98	17.27	PK
15900	31.24	11.62	H	42.86	53.98	11.12	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	42.54	7.66	V	50.20	73.98	23.78	PK
10640	28.58	7.66	V	36.24	53.98	17.74	AV
15960	45.10	11.84	V	56.94	73.98	17.04	PK
15960	30.85	11.84	V	42.69	53.98	11.29	AV
10640	42.52	7.66	H	50.18	73.98	23.80	PK
10640	28.63	7.66	H	36.29	53.98	17.69	AV
15960	45.08	11.84	H	56.92	73.98	17.06	PK
15960	30.90	11.84	H	42.74	53.98	11.24	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5260 MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	43.50	7.45	V	50.95	68.20	17.25	PK
15780	46.33	11.52	V	57.85	73.98	16.13	PK
15780	32.59	11.52	V	44.11	53.98	9.87	AV
10520	43.50	7.45	H	50.95	68.20	17.25	PK
15780	46.34	11.52	H	57.86	73.98	16.12	PK
15780	32.64	11.52	H	44.16	53.98	9.82	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	42.40	7.78	V	50.18	73.98	23.80	PK
10600	28.33	7.78	V	36.11	53.98	17.87	AV
15900	45.07	11.62	V	56.69	73.98	17.29	PK
15900	31.16	11.62	V	42.78	53.98	11.20	AV
10600	42.41	7.78	H	50.19	73.98	23.79	PK
10600	28.38	7.78	H	36.16	53.98	17.82	AV
15900	45.07	11.62	H	56.69	73.98	17.29	PK
15900	31.21	11.62	H	42.83	53.98	11.15	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	42.50	7.66	V	50.16	73.98	23.82	PK
10640	28.55	7.66	V	36.21	53.98	17.77	AV
15960	45.06	11.84	V	56.90	73.98	17.08	PK
15960	30.82	11.84	V	42.66	53.98	11.32	AV
10640	42.50	7.66	H	50.16	73.98	23.82	PK
10640	28.60	7.66	H	36.26	53.98	17.72	AV
15960	45.06	11.84	H	56.90	73.98	17.08	PK
15960	30.87	11.84	H	42.71	53.98	11.27	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5260MHz
Channel No.	52 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10520	43.44	7.45	V	50.89	68.20	17.31	PK
15780	46.27	11.52	V	57.79	73.98	16.19	PK
15780	33.02	11.52	V	44.54	53.98	9.44	AV
10520	43.44	7.45	H	50.89	68.20	17.31	PK
15780	46.28	11.52	H	57.80	73.98	16.18	PK
15780	33.10	11.52	H	44.62	53.98	9.36	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5300 MHz
Channel No.	60 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10600	42.34	7.78	V	50.12	73.98	23.86	PK
10600	28.76	7.78	V	36.54	53.98	17.44	AV
15900	45.01	11.62	V	56.63	73.98	17.35	PK
15900	31.59	11.62	V	43.21	53.98	10.77	AV
10600	42.35	7.78	H	50.13	73.98	23.85	PK
10600	28.84	7.78	H	36.62	53.98	17.36	AV
15900	45.01	11.62	H	56.63	73.98	17.35	PK
15900	31.67	11.62	H	43.29	53.98	10.69	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10640	42.44	7.66	V	50.10	73.98	23.88	PK
10640	28.98	7.66	V	36.64	53.98	17.34	AV
15960	45.00	11.84	V	56.84	73.98	17.14	PK
15960	31.25	11.84	V	43.09	53.98	10.89	AV
10640	42.44	7.66	H	50.10	73.98	23.88	PK
10640	29.06	7.66	H	36.72	53.98	17.26	AV
15960	45.00	11.84	H	56.84	73.98	17.14	PK
15960	31.33	11.84	H	43.17	53.98	10.81	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	41.81	7.54	V	49.35	68.20	18.85	PK
15810	45.01	11.91	V	56.92	73.98	17.06	PK
15810	32.70	11.91	V	44.61	53.98	9.37	AV
10540	41.89	7.54	H	49.43	68.20	18.77	PK
15810	45.11	11.91	H	57.02	73.98	16.96	PK
15810	32.75	11.91	H	44.66	53.98	9.32	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	41.95	7.60	V	49.55	73.98	24.43	PK
10620	28.94	7.60	V	36.54	53.98	17.44	AV
15930	44.17	11.68	V	55.85	73.98	18.13	PK
15930	31.37	11.68	V	43.05	53.98	10.93	AV
10620	42.03	7.60	H	49.63	73.98	24.35	PK
10620	29.00	7.60	H	36.60	53.98	17.38	AV
15930	44.27	11.68	H	55.95	73.98	18.03	PK
15930	31.43	11.68	H	43.11	53.98	10.87	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5270 MHz
Channel No.	54 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10540	41.77	7.54	V	49.31	68.20	18.89	PK
15810	44.97	11.91	V	56.88	73.98	17.10	PK
15810	32.67	11.91	V	44.58	53.98	9.40	AV
10540	41.87	7.54	H	49.41	68.20	18.79	PK
15810	45.09	11.91	H	57.00	73.98	16.98	PK
15810	32.72	11.91	H	44.63	53.98	9.35	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2A
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10620	41.91	7.60	V	49.51	73.98	24.47	PK
10620	28.91	7.60	V	36.51	53.98	17.47	AV
15930	44.13	11.68	V	55.81	73.98	18.17	PK
15930	31.34	11.68	V	43.02	53.98	10.96	AV
10620	42.01	7.60	H	49.61	73.98	24.37	PK
10620	28.97	7.60	H	36.57	53.98	17.41	AV
15930	44.25	11.68	H	55.93	73.98	18.05	PK
15930	31.40	11.68	H	43.08	53.98	10.90	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2A
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
10580	41.78	7.67	V	49.45	68.20	18.75	PK
15870	44.92	11.43	V	56.35	73.98	17.63	PK
15870	33.50	11.43	V	44.93	53.98	9.05	AV
10580	41.94	7.67	H	49.61	68.20	18.59	PK
15870	45.11	11.43	H	56.54	73.98	17.44	PK
15870	33.58	11.43	H	45.01	53.98	8.97	AV

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	41.85	8.24	V	50.09	73.98	23.89	PK
11000	28.03	8.24	V	36.27	53.98	17.71	AV
16500	46.23	12.79	V	59.02	68.20	9.18	PK
11000	41.84	8.24	H	50.08	73.98	23.90	PK
11000	28.08	8.24	H	36.32	53.98	17.66	AV
16500	46.22	12.79	H	59.01	68.20	9.19	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	41.04	8.27	V	49.31	73.98	24.67	PK
11160	26.97	8.27	V	35.24	53.98	18.74	AV
16740	46.47	13.03	V	59.50	68.20	8.70	PK
11160	41.03	8.27	H	49.30	73.98	24.68	PK
11160	27.02	8.27	H	35.29	53.98	18.69	AV
16740	46.48	13.03	H	59.51	68.20	8.69	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	41.21	8.23	V	49.44	73.98	24.54	PK
11400	26.98	8.23	V	35.21	53.98	18.77	AV
17100	45.94	15.14	V	61.08	68.20	7.12	PK
11400	41.20	8.23	H	49.43	73.98	24.55	PK
11400	27.04	8.23	H	35.27	53.98	18.71	AV
17100	45.91	15.14	H	61.05	68.20	7.15	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	41.81	8.24	V	50.05	73.98	23.93	PK
11000	28.00	8.24	V	36.24	53.98	17.74	AV
16500	46.19	12.79	V	58.98	68.20	9.22	PK
11000	41.82	8.24	H	50.06	73.98	23.92	PK
11000	28.05	8.24	H	36.29	53.98	17.69	AV
16500	46.20	12.79	H	58.99	68.20	9.21	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	41.00	8.27	V	49.27	73.98	24.71	PK
11160	26.94	8.27	V	35.21	53.98	18.77	AV
16740	46.43	13.03	V	59.46	68.20	8.74	PK
11160	41.01	8.27	H	49.28	73.98	24.70	PK
11160	26.99	8.27	H	35.26	53.98	18.72	AV
16740	46.46	13.03	H	59.49	68.20	8.71	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	41.17	8.23	V	49.40	73.98	24.58	PK
11400	26.95	8.23	V	35.18	53.98	18.80	AV
17100	45.90	15.14	V	61.04	68.20	7.16	PK
11400	41.18	8.23	H	49.41	73.98	24.57	PK
11400	27.01	8.23	H	35.24	53.98	18.74	AV
17100	45.89	15.14	H	61.03	68.20	7.17	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5500MHz
Channel No.	100 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11000	41.75	8.24	V	49.99	73.98	23.99	PK
11000	28.43	8.24	V	36.67	53.98	17.31	AV
16500	46.13	12.79	V	58.92	68.20	9.28	PK
11000	41.76	8.24	H	50.00	73.98	23.98	PK
11000	28.51	8.24	H	36.75	53.98	17.23	AV
16500	46.14	12.79	H	58.93	68.20	9.27	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5580 MHz
Channel No.	116 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11160	40.94	8.27	V	49.21	73.98	24.77	PK
11160	27.37	8.27	V	35.64	53.98	18.34	AV
16740	46.37	13.03	V	59.40	68.20	8.80	PK
11160	40.95	8.27	H	49.22	73.98	24.76	PK
11160	27.45	8.27	H	35.72	53.98	18.26	AV
16740	46.40	13.03	H	59.43	68.20	8.77	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11400	41.11	8.23	V	49.34	73.98	24.64	PK
11400	27.38	8.23	V	35.61	53.98	18.37	AV
17100	45.84	15.14	V	60.98	68.20	7.22	PK
11400	41.12	8.23	H	49.35	73.98	24.63	PK
11400	27.47	8.23	H	35.70	53.98	18.28	AV
17100	45.83	15.14	H	60.97	68.20	7.23	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	41.49	8.49	V	49.98	73.98	24.00	PK
11020	28.20	8.49	V	36.69	53.98	17.29	AV
16530	45.04	12.78	V	57.82	68.20	10.38	PK
11020	41.60	8.49	H	50.09	73.98	23.89	PK
11020	28.25	8.49	H	36.74	53.98	17.24	AV
16530	45.14	12.78	H	57.92	68.20	10.28	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	39.71	8.23	V	47.94	73.98	26.04	PK
11100	27.19	8.23	V	35.42	53.98	18.56	AV
16650	45.28	13.41	V	58.69	68.20	9.51	PK
11100	39.81	8.23	H	48.04	73.98	25.94	PK
11100	27.24	8.23	H	35.47	53.98	18.51	AV
16650	45.54	13.41	H	58.95	68.20	9.25	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5670 MHz
Channel No.	134 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11340	39.78	8.24	V	48.02	73.98	25.96	PK
11340	27.10	8.24	V	35.34	53.98	18.64	AV
17010	44.95	15.44	V	60.39	68.20	7.81	PK
11340	39.88	8.24	H	48.12	73.98	25.86	PK
11340	27.16	8.24	H	35.40	53.98	18.58	AV
17010	45.11	15.44	H	60.55	68.20	7.65	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11020	41.45	8.49	V	49.94	73.98	24.04	PK
11020	28.17	8.49	V	36.66	53.98	17.32	AV
16530	45.00	12.78	V	57.78	68.20	10.42	PK
11020	41.58	8.49	H	50.07	73.98	23.91	PK
11020	28.22	8.49	H	36.71	53.98	17.27	AV
16530	45.12	12.78	H	57.90	68.20	10.30	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5550 MHz
Channel No.	110 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11100	40.28	8.23	V	48.51	73.98	25.47	PK
11100	27.80	8.23	V	36.03	53.98	17.95	AV
16650	45.50	13.41	V	58.91	68.20	9.29	PK
11100	40.39	8.23	H	48.62	73.98	25.36	PK
11100	27.87	8.23	H	36.10	53.98	17.88	AV
16650	45.59	13.41	H	59.00	68.20	9.20	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5670 MHz
Channel No.	134 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11420	39.74	8.24	V	47.98	73.98	26.00	PK
11420	27.07	8.24	V	35.31	53.98	18.67	AV
17130	44.91	15.44	V	60.35	68.20	7.85	PK
11420	39.86	8.24	H	48.10	73.98	25.88	PK
11420	27.13	8.24	H	35.37	53.98	18.61	AV
17130	45.09	15.44	H	60.53	68.20	7.67	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11060	40.58	8.47	V	49.05	73.98	24.93	PK
11060	29.47	8.47	V	37.94	53.98	16.04	AV
16590	44.93	13.05	V	57.98	68.20	10.22	PK
11060	40.75	8.47	H	49.22	73.98	24.76	PK
11060	29.58	8.47	H	38.05	53.98	15.93	AV
16590	45.10	13.05	H	58.15	68.20	10.05	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 2C
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5690 MHz
Channel No.	138 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11380	39.84	8.35	V	48.19	73.98	25.79	PK
11380	28.72	8.35	V	37.07	53.98	16.91	AV
17070	44.83	13.87	V	58.70	68.20	9.50	PK
11380	40.03	8.35	H	48.38	73.98	25.60	PK
11380	28.81	8.35	H	37.16	53.98	16.82	AV
17070	45.01	13.87	H	58.88	68.20	9.32	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	5745MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	41.64	8.17	V	49.81	73.98	24.17	PK
11490	27.24	8.17	V	35.41	53.98	18.57	AV
17235	46.01	15.31	V	61.32	68.20	6.88	PK
11490	41.62	8.17	H	49.79	73.98	24.19	PK
11490	27.29	8.17	H	35.46	53.98	18.52	AV
17235	45.99	15.31	H	61.30	68.20	6.90	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	40.88	8.29	V	49.17	73.98	24.81	PK
11570	26.90	8.29	V	35.19	53.98	18.79	AV
17355	45.09	16.47	V	61.56	68.20	6.64	PK
11570	40.87	8.29	H	49.16	73.98	24.82	PK
11570	26.94	8.29	H	35.23	53.98	18.75	AV
17355	45.26	16.47	H	61.73	68.20	6.47	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11a
Transfer Rate:	6 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	41.30	8.32	V	49.62	73.98	24.36	PK
11650	26.98	8.32	V	35.30	53.98	18.68	AV
17475	45.80	16.43	V	62.23	68.20	5.97	PK
11650	41.28	8.32	H	49.60	73.98	24.38	PK
11650	27.02	8.32	H	35.34	53.98	18.64	AV
17475	46.88	16.43	H	63.31	68.20	4.89	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11a. Worst case is 6 Mbps in 802.11a.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	41.60	8.17	V	49.77	73.98	24.21	PK
11490	27.21	8.17	V	35.38	53.98	18.60	AV
17235	45.97	15.31	V	61.28	68.20	6.92	PK
11490	41.60	8.17	H	49.77	73.98	24.21	PK
11490	27.26	8.17	H	35.43	53.98	18.55	AV
17235	45.97	15.31	H	61.28	68.20	6.92	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	40.84	8.29	V	49.13	73.98	24.85	PK
11570	26.87	8.29	V	35.16	53.98	18.82	AV
17355	45.05	16.47	V	61.52	68.20	6.68	PK
11570	40.85	8.29	H	49.14	73.98	24.84	PK
11570	26.91	8.29	H	35.20	53.98	18.78	AV
17355	45.24	16.47	H	61.71	68.20	6.49	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	41.26	8.32	V	49.58	73.98	24.40	PK
11650	26.95	8.32	V	35.27	53.98	18.71	AV
17475	45.76	16.43	V	62.19	68.20	6.01	PK
11650	41.26	8.32	H	49.58	73.98	24.40	PK
11650	26.99	8.32	H	35.31	53.98	18.67	AV
17475	46.42	16.43	H	62.85	68.20	5.35	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT20. Worst case is MCS0 in 802.11n_HT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11490	41.54	8.17	V	49.71	73.98	24.27	PK
11490	27.64	8.17	V	35.81	53.98	18.17	AV
17235	45.91	15.31	V	61.22	68.20	6.98	PK
11490	41.54	8.17	H	49.71	73.98	24.27	PK
11490	27.72	8.17	H	35.89	53.98	18.09	AV
17235	45.91	15.31	H	61.22	68.20	6.98	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5785 MHz
Channel No.	157 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11570	40.78	8.29	V	49.07	73.98	24.91	PK
11570	27.30	8.29	V	35.59	53.98	18.39	AV
17355	44.99	16.47	V	61.46	68.20	6.74	PK
11570	40.79	8.29	H	49.08	73.98	24.90	PK
11570	27.37	8.29	H	35.66	53.98	18.32	AV
17355	45.18	16.47	H	61.65	68.20	6.55	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11650	41.20	8.32	V	49.52	73.98	24.46	PK
11650	27.38	8.32	V	35.70	53.98	18.28	AV
17475	45.70	16.43	V	62.13	68.20	6.07	PK
11650	41.20	8.32	H	49.52	73.98	24.46	PK
11650	27.45	8.32	H	35.77	53.98	18.21	AV
17475	46.53	16.43	H	62.96	68.20	5.24	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT20. Worst case is MCS0 in 802.11ac_VHT20.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII3
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	39.76	8.05	V	47.81	73.98	26.17	PK
11510	27.32	8.05	V	35.37	53.98	18.61	AV
17265	45.16	15.32	V	60.48	68.20	7.72	PK
11510	39.96	8.05	H	48.01	73.98	25.97	PK
11510	27.40	8.05	H	35.45	53.98	18.53	AV
17265	45.29	15.32	H	60.61	68.20	7.59	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11n_HT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	41.32	8.31	V	49.63	73.98	24.35	PK
11590	27.71	8.31	V	36.02	53.98	17.96	AV
17385	44.35	16.47	V	60.82	68.20	7.38	PK
11590	41.51	8.31	H	49.82	73.98	24.16	PK
11590	27.80	8.31	H	36.11	53.98	17.87	AV
17385	45.15	16.47	H	61.62	68.20	6.58	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11n_HT40. Worst case is MCS0 in 802.11n_HT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11510	39.72	8.05	V	47.77	73.98	26.21	PK
11510	27.29	8.05	V	35.34	53.98	18.64	AV
17265	45.12	15.32	V	60.44	68.20	7.76	PK
11510	39.94	8.05	H	47.99	73.98	25.99	PK
11510	27.37	8.05	H	35.42	53.98	18.56	AV
17265	45.27	15.32	H	60.59	68.20	7.61	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

Band :	UNII 3
Operation Mode:	802.11ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11590	41.28	8.31	V	49.59	73.98	24.39	PK
11590	27.68	8.31	V	35.99	53.98	17.99	AV
17385	44.31	16.47	V	60.78	68.20	7.42	PK
11590	41.49	8.31	H	49.80	73.98	24.18	PK
11590	27.77	8.31	H	36.08	53.98	17.90	AV
17385	44.92	16.47	H	61.39	68.20	6.81	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT40. Worst case is MCS0 in 802.11ac_VHT40.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna

Band :	UNII 3
Operation Mode:	802.11ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5775 MHz
Channel No.	155 Ch

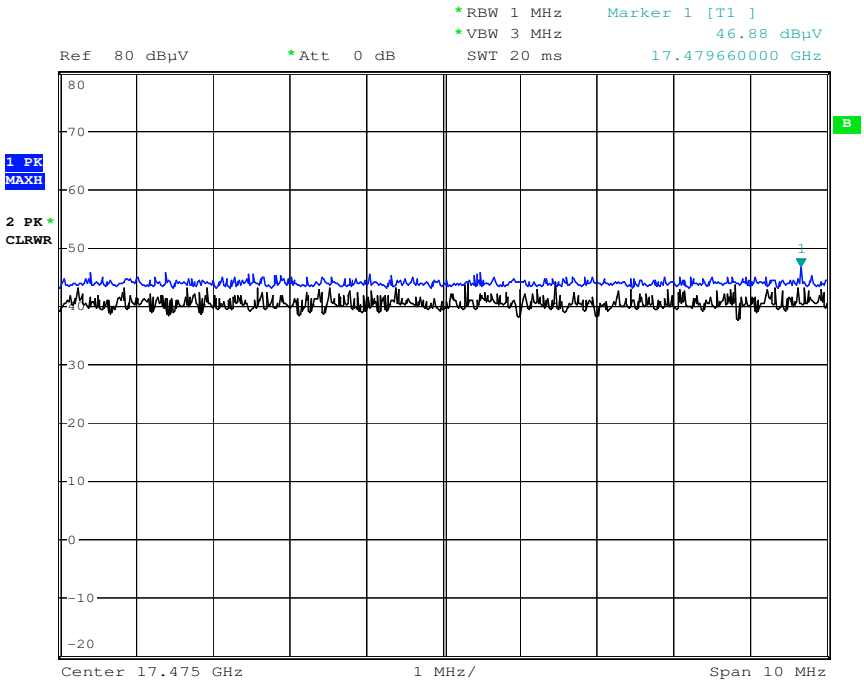
Frequency [MHz]	Reading dBuV	AN.+CL-Amp G. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
11550	39.75	8.29	V	48.04	73.98	25.94	PK
11550	28.75	8.29	V	37.04	53.98	16.94	AV
17325	44.31	16.67	V	60.98	68.20	7.22	PK
11550	39.92	8.29	H	48.21	73.98	25.77	PK
11550	28.84	8.29	H	37.13	53.98	16.85	AV
17325	45.43	16.67	H	62.10	68.20	6.10	PK

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
4. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain
5. We have done all data rate in 802.11ac_VHT80. Worst case is MCS0 in 802.11ac_VHT80.
6. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.

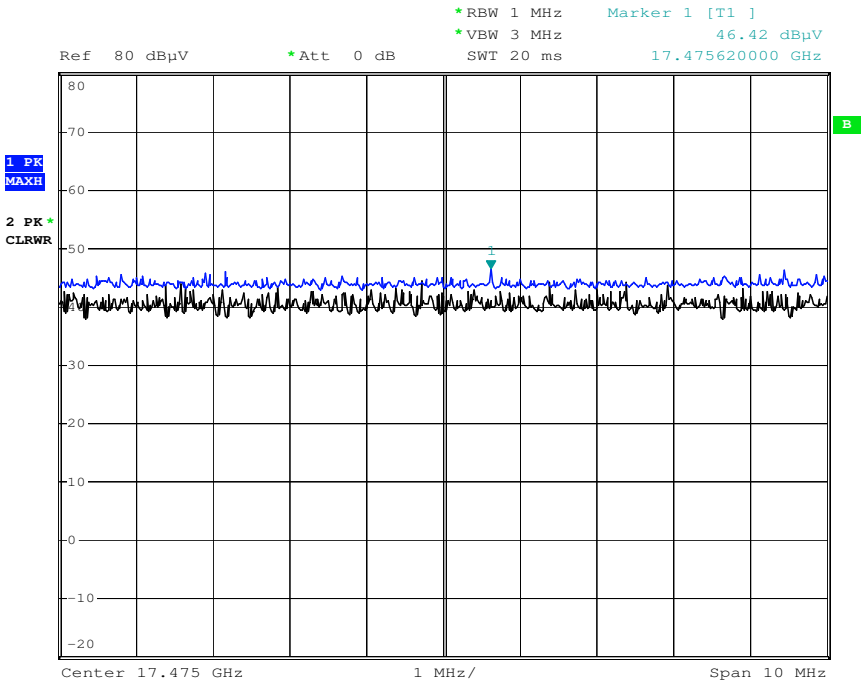
▣RESULT PLOTS

Radiated Spurious Emissions plot –Peak Reading (802.11a, Ch.165 2nd Harmonic, x-V)



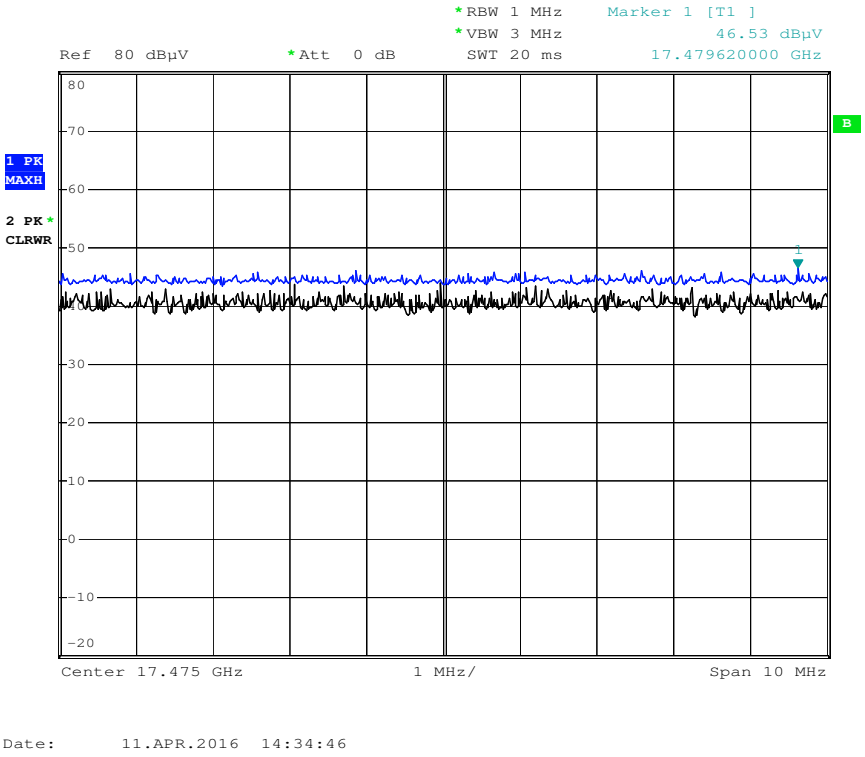
Date: 11.APR.2016 14:33:03

Radiated Spurious Emissions plot –Peak Reading(802.11n_HT20, Ch.1652nd Harmonic, x-V)

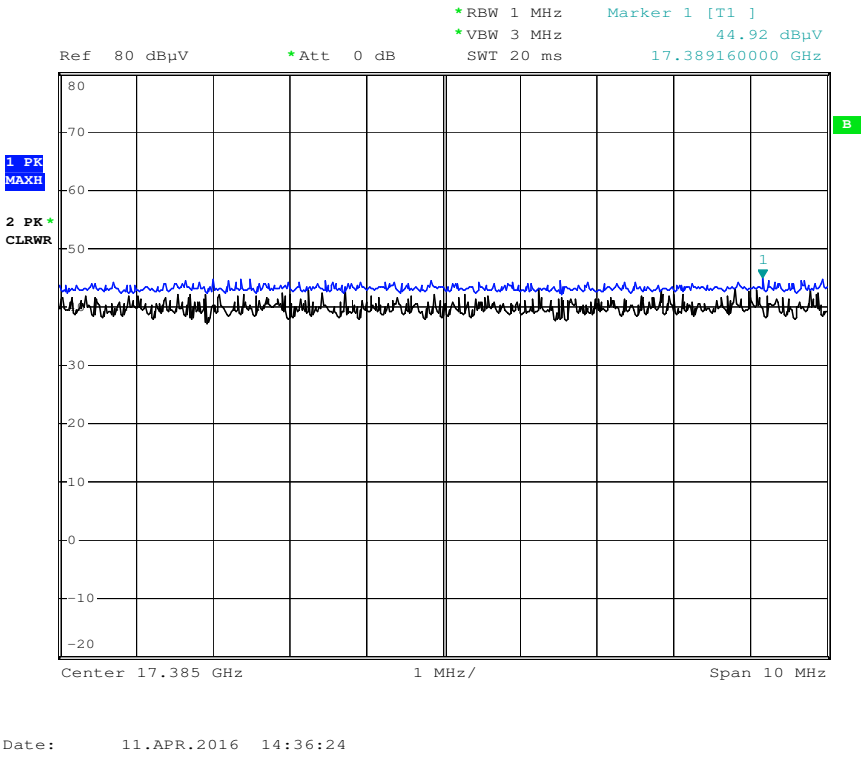


Date: 11.APR.2016 14:33:54

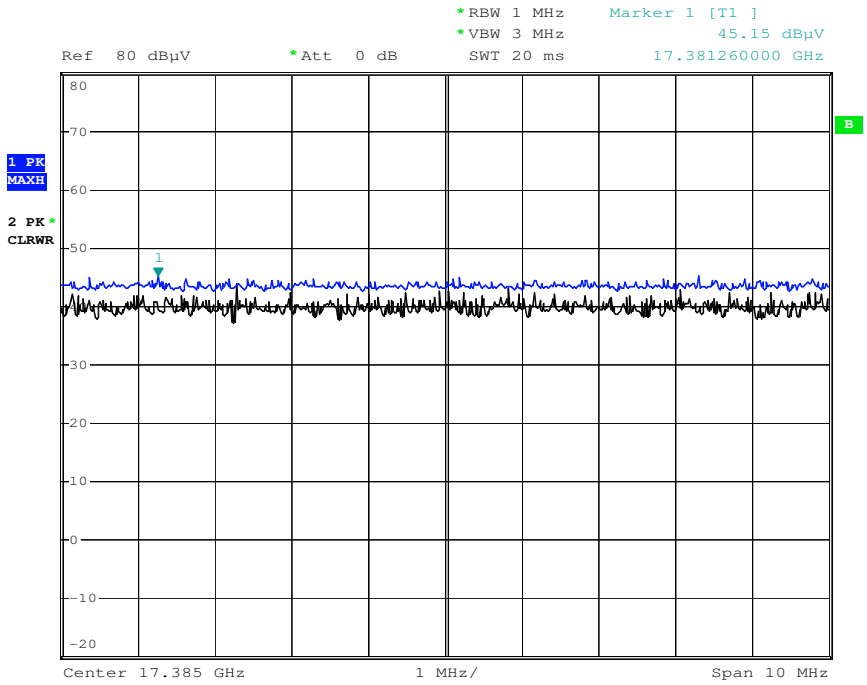
Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT20, Ch.1652nd Harmonic, x-V)



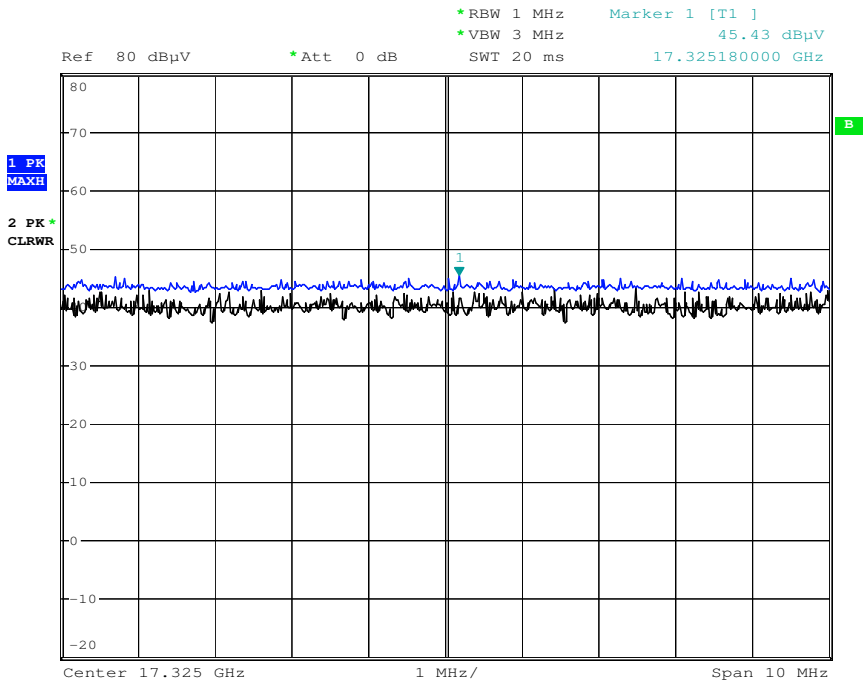
Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT40, Ch.1592rd Harmonic, x-V)



Radiated Spurious Emissions plot –Peak Reading (802.11n_HT40, Ch.159 3rd Harmonic, x-V)



Radiated Spurious Emissions plot –Peak Reading (802.11ac_VHT80, Ch.155 3rd Harmonic, x-V)



Note : Only the worst case plots for Radiated Spurious Emissions.

9.6.2 RADIATED RESTRICTED BAND EDGE MEASUREMENTS

Test Requirements and limit, §15.247(d) §15.205, §15.209

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a) (See section 15.205(c)).

Band :	UNII 1
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	51.81	3.78	H	55.59	73.98	18.39	PK
5150	40.90	3.78	H	44.68	53.98	9.30	AV
5150	51.25	3.78	V	55.03	73.98	18.95	PK
5150	40.24	3.78	V	44.02	53.98	9.96	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	50.96	3.78	H	54.74	73.98	19.24	PK
5150	38.95	3.78	H	42.73	53.98	11.25	AV
5150	50.66	3.78	V	54.44	73.98	19.54	PK
5150	38.54	3.78	V	42.32	53.98	11.66	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5180 MHz
Channel No.	36 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	51.79	3.78	H	55.57	73.98	18.41	PK
5150	39.48	3.78	H	43.26	53.98	10.72	AV
5150	51.41	3.78	V	55.19	73.98	18.79	PK
5150	39.02	3.78	V	42.8	53.98	11.18	AV

Band :	UNII 1
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	50.61	3.78	H	54.39	73.98	19.59	PK
5150	37.77	3.78	H	41.55	53.98	12.43	AV
5150	50.24	3.78	V	54.02	73.98	19.96	PK
5150	37.33	3.78	V	41.11	53.98	12.87	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5190 MHz
Channel No.	38 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	51.59	3.78	H	55.37	73.98	18.61	PK
5150	38.32	3.78	H	42.1	53.98	11.88	AV
5150	51.37	3.78	V	55.15	73.98	18.83	PK
5150	38.11	3.78	V	41.89	53.98	12.09	AV

Band :	UNII 1
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5210 MHz
Channel No.	42 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5150	52.78	3.78	H	56.56	73.98	17.42	PK
5150	40.48	3.78	H	44.26	53.98	9.72	AV
5150	47.80	8.18	V	55.98	73.98	18.00	PK
5150	37.21	8.18	V	45.39	53.98	8.59	AV

Band :	UNII 2A
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	52.76	3.89	H	56.65	73.98	17.33	PK
5350	39.21	3.89	H	43.1	53.98	10.88	AV
5350	52.33	3.89	V	56.22	73.98	17.76	PK
5350	38.84	3.89	V	42.73	53.98	11.25	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	50.94	3.89	H	54.83	73.98	19.15	PK
5350	38.16	3.89	H	42.05	53.98	11.93	AV
5350	50.66	3.89	V	54.55	73.98	19.43	PK
5350	37.88	3.89	V	41.77	53.98	12.21	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5320 MHz
Channel No.	64 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	50.70	3.89	H	54.59	73.98	19.39	PK
5350	38.48	3.89	H	42.37	53.98	11.61	AV
5350	50.31	3.89	V	54.2	73.98	19.78	PK
5350	38.11	3.89	V	42	53.98	11.98	AV

Band :	UNII 2A
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	49.47	3.89	H	53.36	73.98	20.62	PK
5350	37.27	3.89	H	41.16	53.98	12.82	AV
5350	49.22	3.89	V	53.11	73.98	20.87	PK
5350	37.01	3.89	V	40.9	53.98	13.08	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5310 MHz
Channel No.	62 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	50.49	3.89	H	54.38	73.98	19.60	PK
5350	37.43	3.89	H	41.32	53.98	12.66	AV
5350	50.27	3.89	V	54.16	73.98	19.82	PK
5350	37.19	3.89	V	41.08	53.98	12.90	AV

Band :	UNII 2A
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5290 MHz
Channel No.	58 Ch

Frequency [MHz]	Reading dBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5350	50.68	3.89	H	54.57	73.98	19.41	PK
5350	38.77	3.89	H	42.66	53.98	11.32	AV
5350	50.37	3.89	V	54.26	73.98	19.72	PK
5350	38.48	3.89	V	42.37	53.98	11.61	AV

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	51.77	4.04	H	55.81	73.98	18.17	PK
5460	38.68	4.04	H	42.72	53.98	11.26	AV
5470	54.50	3.96	H	58.46	68.20	9.74	PK
5460	47.44	9.62	V	57.06	73.98	16.92	PK
5460	34.23	9.62	V	43.85	53.98	10.13	AV
5470	47.21	9.52	V	56.73	68.20	11.47	PK

Band :	UNII 2C
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	54.36	4.36	H	58.72	68.20	9.48	PK
5725	54.18	4.36	V	58.54	68.20	9.66	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.73	4.04	H	53.77	73.98	20.21	PK
5460	37.48	4.04	H	41.52	53.98	12.46	AV
5470	49.64	3.96	H	53.6	68.20	14.60	PK
5460	49.64	4.04	V	53.68	73.98	20.30	PK
5460	37.11	4.04	V	41.15	53.98	12.83	AV
5470	49.22	3.96	V	53.18	68.20	15.02	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5700 MHz
Channel No.	140 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	50.82	4.36	H	55.18	68.20	13.02	PK
5725	50.44	4.36	V	54.80	68.20	13.40	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5500 MHz
Channel No.	100 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	50.04	4.04	H	54.08	73.98	19.90	PK
5460	37.78	4.04	H	41.82	53.98	12.16	AV
5470	49.99	3.96	H	53.95	68.20	14.25	PK
5460	49.71	4.04	V	53.75	73.98	20.23	PK
5460	37.33	4.04	V	41.37	53.98	12.61	AV
5470	49.61	3.96	V	53.57	68.20	14.63	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.58	4.04	H	53.62	73.98	20.36	PK
5460	36.66	4.04	H	40.7	53.98	13.28	AV
5470	51.31	3.96	H	55.27	68.20	12.93	PK
5460	47.52	9.62	V	57.14	73.98	16.84	PK
5460	34.61	9.62	V	44.23	53.98	9.75	AV
5470	47.36	9.52	V	56.88	68.20	11.32	PK

Band :	UNII 2C
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5670 MHz
Channel No.	134 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	51.13	4.36	H	55.49	68.20	12.71	PK
5725	50.89	4.36	V	55.25	68.20	12.95	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5510 MHz
Channel No.	102 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	49.49	4.04	H	53.53	73.98	20.45	PK
5460	36.54	4.04	H	40.58	53.98	13.40	AV
5470	50.72	3.96	H	54.68	68.20	13.52	PK
5460	49.31	4.04	V	53.35	73.98	20.63	PK
5460	36.31	4.04	V	40.35	53.98	13.63	AV
5470	50.48	3.96	V	54.44	68.20	13.76	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5670 MHz
Channel No.	134 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	50.31	4.36	H	54.67	68.20	13.53	PK
5725	50.11	4.36	V	54.47	68.20	13.73	PK

Band :	UNII 2C
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5530 MHz
Channel No.	106 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5460	50.21	4.04	H	54.25	73.98	19.73	PK
5460	38.88	4.04	H	42.92	53.98	11.06	AV
5470	51.09	3.96	H	55.05	68.20	13.15	PK
5460	50.01	4.04	V	54.05	73.98	19.93	PK
5460	38.56	4.04	V	42.6	53.98	11.38	AV
5470	50.68	3.96	V	54.64	68.20	13.56	PK

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	64.55	4.36	H	68.91	78.20	9.29	PK
5725	63.89	4.36	V	68.25	78.20	9.95	PK
5715	50.98	4.38	H	55.36	68.20	12.84	PK
5715	50.67	4.38	V	55.05	68.20	13.15	PK

Band :	UNII 3
Operation Mode:	802.11 a
Transfer Rate:	6 Mbps
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	52.74	4.63	H	57.37	78.20	20.83	PK
5850	52.47	4.63	V	57.1	78.20	21.10	PK
5860	50.66	4.66	H	55.32	68.20	12.88	PK
5860	50.31	4.66	V	54.97	68.20	13.23	PK

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	57.03	4.36	H	61.39	78.20	16.81	PK
5725	56.77	4.36	V	61.13	78.20	17.07	PK
5715	51.36	4.38	H	55.74	68.20	12.46	PK
5715	51.05	4.38	V	55.43	68.20	12.77	PK

Band :	UNII 3
Operation Mode:	802.11 n_HT20
Transfer MCS Index:	0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	51.28	4.63	H	55.91	78.20	22.29	PK
5850	50.97	4.63	V	55.6	78.20	22.60	PK
5860	50.54	4.66	H	55.2	68.20	13.00	PK
5860	50.22	4.66	V	54.88	68.20	13.32	PK

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5745 MHz
Channel No.	149 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	55.20	4.36	H	59.56	78.20	18.64	PK
5725	54.88	4.36	V	59.24	78.20	18.96	PK
5715	50.37	4.38	H	54.75	68.20	13.45	PK
5715	50.01	4.38	V	54.39	68.20	13.81	PK

Band :	UNII 3
Operation Mode:	802.11 ac_VHT20
Transfer MCS Index:	0
Operating Frequency	5825 MHz
Channel No.	165 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	50.47	4.63	H	55.10	78.20	23.10	PK
5850	50.11	4.63	V	54.74	78.20	23.46	PK
5860	50.84	4.66	H	55.5	68.20	12.70	PK
5860	50.47	4.66	V	55.13	68.20	13.07	PK

Band :	UNII 3
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	60.65	4.36	H	65.01	78.20	13.19	PK
5725	60.24	4.36	V	64.60	78.20	13.60	PK
5715	51.24	4.38	H	55.62	68.20	12.58	PK
5715	50.93	4.38	V	55.31	68.20	12.89	PK

Band :	UNII 3
Operation Mode:	802.11 n_HT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	50.86	4.63	H	55.49	78.20	22.71	PK
5850	50.48	4.63	V	55.11	78.20	23.09	PK
5860	49.40	4.66	H	54.06	68.20	14.14	PK
5860	49.18	4.66	V	53.84	68.20	14.36	PK

Band :	UNII 3
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	151 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	51.84	4.36	H	56.20	78.20	22.00	PK
5725	51.57	4.36	V	55.93	78.20	22.27	PK
5715	52.23	4.38	H	56.61	68.20	11.59	PK
5715	51.78	4.38	V	56.16	68.20	12.04	PK

Band :	UNII 3
Operation Mode:	802.11 ac_VHT40
Transfer MCS Index:	0
Operating Frequency	5795 MHz
Channel No.	159 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5850	50.32	4.63	H	54.95	78.20	23.25	PK
5850	50.18	4.63	V	54.81	78.20	23.39	PK
5860	50.26	4.66	H	54.92	68.20	13.28	PK
5860	50.02	4.66	V	54.68	68.20	13.52	PK

Band :	UNII 3
Operation Mode:	802.11 ac_VHT80
Transfer MCS Index:	0
Operating Frequency	5755 MHz
Channel No.	155 Ch

Frequency [MHz]	Reading DBuV	AN.+CL+AMP+ATT. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
5725	55.27	4.36	H	59.63	78.20	18.57	PK
5725	54.89	4.36	V	59.25	78.20	18.95	PK
5715	51.98	4.38	H	56.36	68.20	11.84	PK
5715	51.67	4.38	V	56.05	68.20	12.15	PK
5850	50.66	4.63	H	55.29	78.20	22.91	PK
5850	50.41	4.63	V	55.04	78.20	23.16	PK
5860	49.89	4.66	H	54.55	68.20	13.65	PK
5860	49.78	4.66	V	54.44	68.20	13.76	PK

Notes:

1. Total = Reading Value + Antenna Factor + Cable Loss - Amp Gain + ATT
2. We have done all data rate in 802.11a/n/ac mode test. . Worst case of EUT is lowest data rate in 802.11a/n/ac.
3. We have done x, y, z planes in EUT and horizontal and vertical polarization in detecting antenna.
4. '*' is radiated band edge test frequency.(not restricted band emissions)
5. The mark '#' is testedaccording to Ⅱ.G.2.c in KDB 789033D02 v01r02

II. MEASUREMENT PROCEDURES

G. Unwanted Emission Measurement

2. Unwanted Emissions that fall Outside of the Restricted Bands

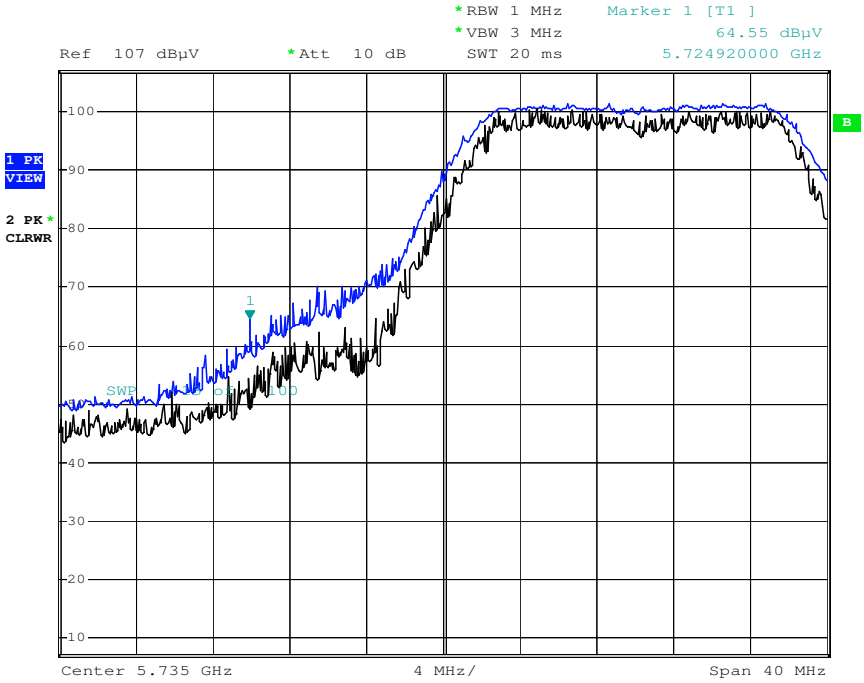
c) At frequencies above 1000 MHz, use the procedure for maximum emissions described in sectionII.G.5., "Procedure for Unwanted Maximum Unwanted Emissions Measurements Above 1000 MHz".

As specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209

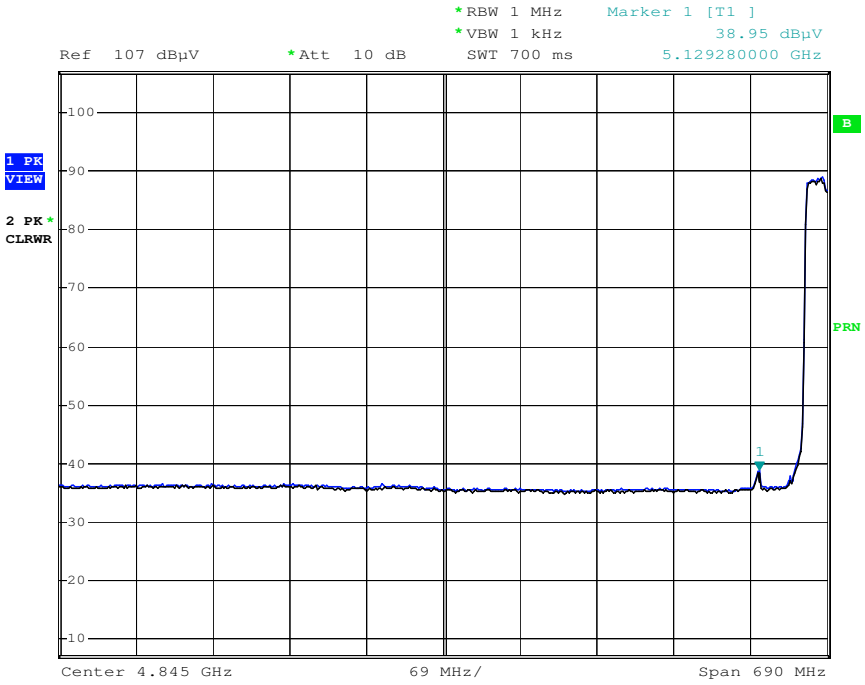
is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

▣RESULT PLOTS

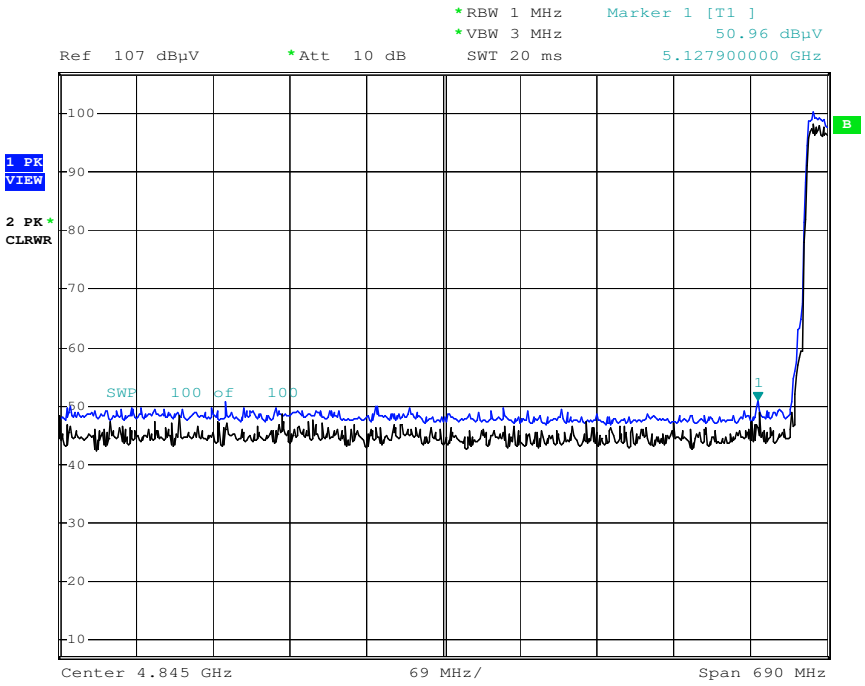
Radiated Restricted Band Edges plot – Peak Reading (802.11a, Ch.64, x-H)



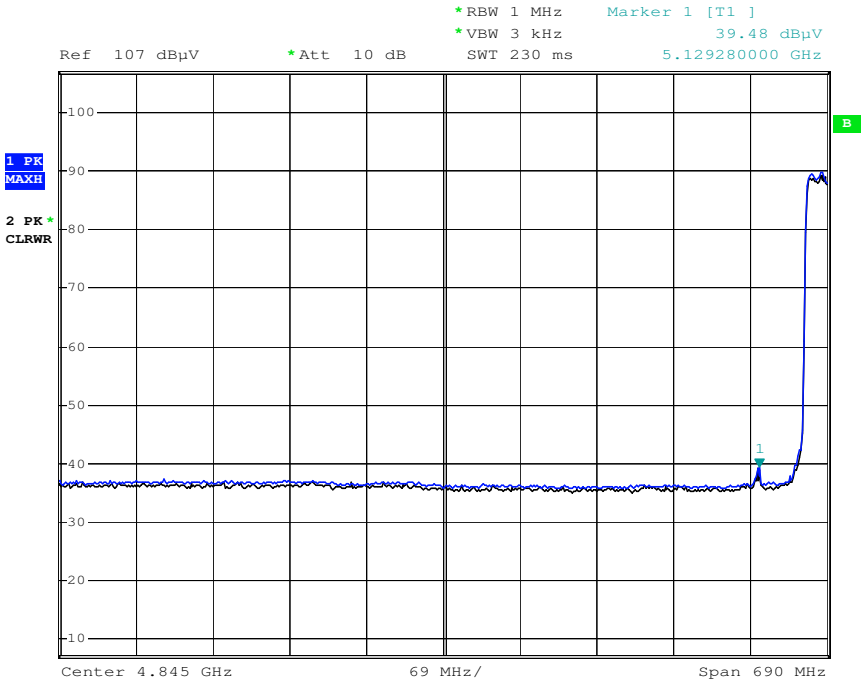
Radiated Restricted Band Edges plot – Average Reading (802.11n_HT20, Ch.64, x-H)



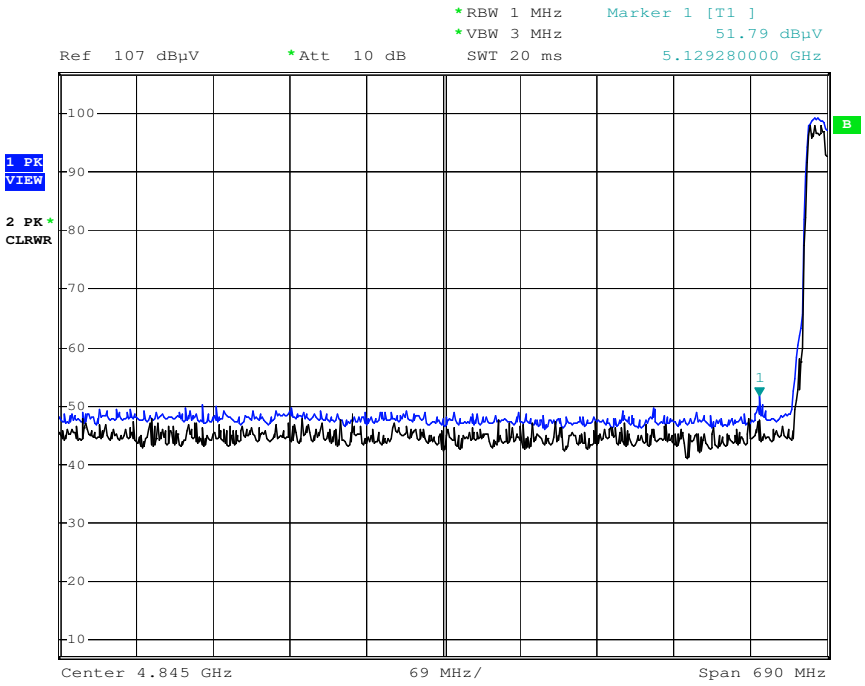
Radiated Restricted Band Edges plot – Peak Reading (802.11n_HT20, Ch.64, x-H)



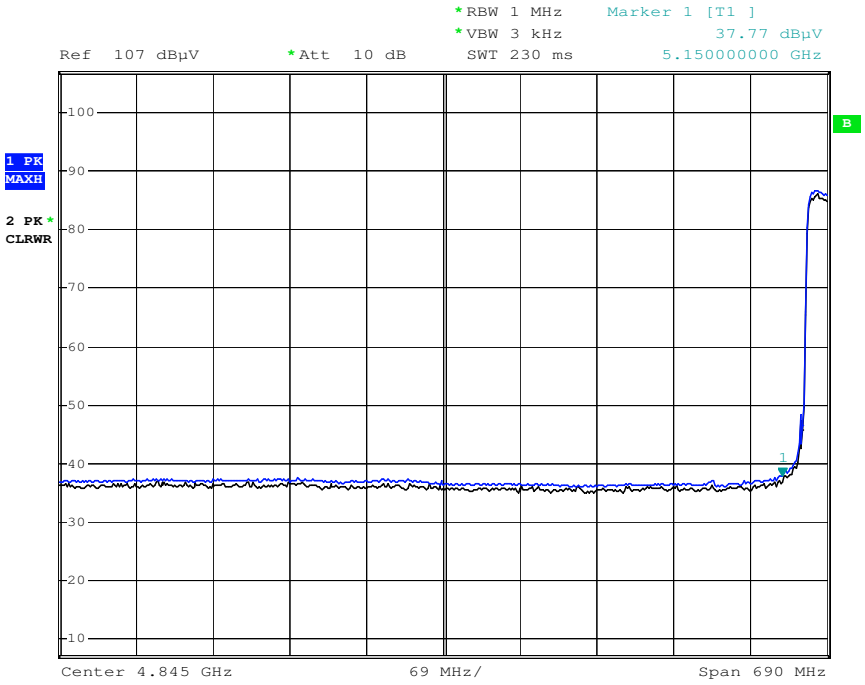
Radiated Restricted Band Edges plot – Average Reading (802.11ac_VHT20, Ch.64, x-H)



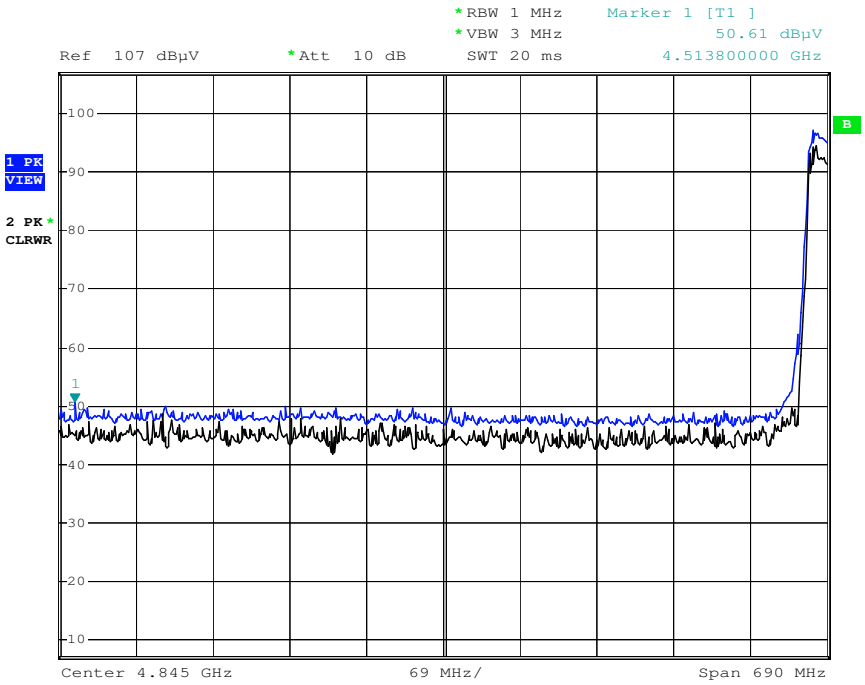
Radiated Restricted Band Edges plot – Peak Reading (802.11ac_VHT20, Ch.64, x-H)



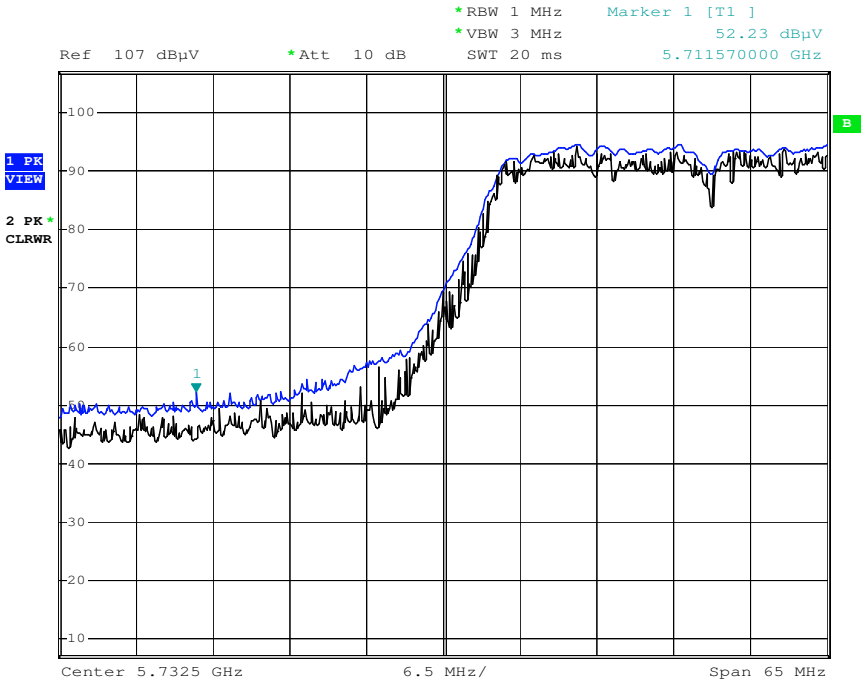
Radiated Restricted Band Edges plot –Peak Reading (802.11n_HT40, Ch.102, x-H)



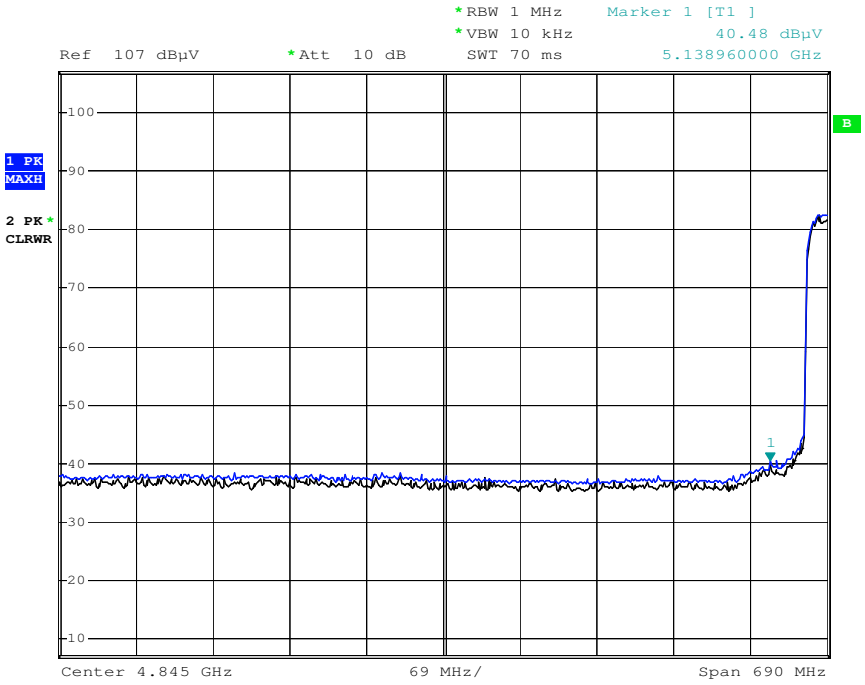
Radiated Restricted Band Edges plot –PeakReading (802.11n_HT40, Ch.102, x-H)



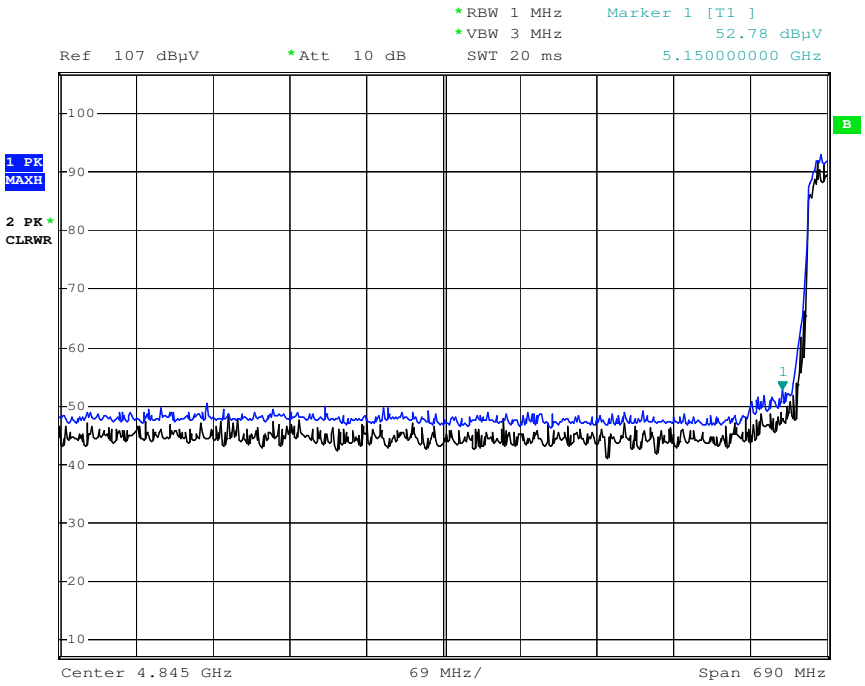
Radiated Restricted Band Edges plot –Peak Reading (802.11ac_VHT40, Ch.102, x-H)



Radiated Restricted Band Edges plot –AverageReading (802.11ac_VHT80, Ch.42, x-H)



Radiated Restricted Band Edges plot –PeakReading (802.11ac_VHT80, Ch.42, x-H)



9.7POWERLINE CONDUCTED EMISSIONS

Test Requirements and limit, §15.207

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

TEST PROCEDURE

1. The EUT is placed on a wooden table 80 cm above the reference groundplane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.

Sample Calculation

Quasi-peak(Final Result) = Reading Value + Correction Factor

▣RESULT PLOTS

Conducted Emissions (Line 1)

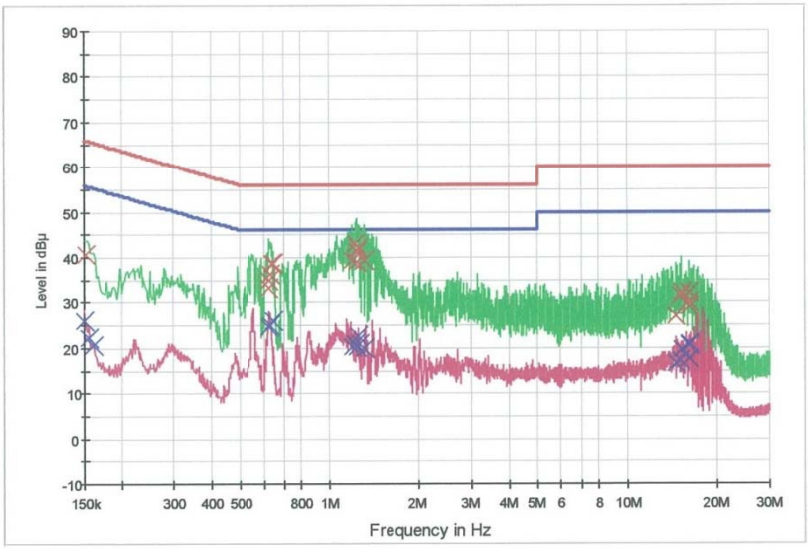
WLAN MODE 5G N 1 / 2

HCT TEST Report

Common Information

EUT:	KT1601
Manufacturer:	LG
Test Site:	SHIELD ROOM
Operating Conditions:	WLAN MODE _ 5G

FCC CLASS B



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.152000	40.7	9.000	Off	N	9.6	25.2	65.9
0.622000	33.2	9.000	Off	N	9.6	22.8	56.0
0.626000	34.9	9.000	Off	N	9.6	21.1	56.0
0.630000	36.2	9.000	Off	N	9.6	19.8	56.0
0.642000	38.5	9.000	Off	N	9.6	17.5	56.0
0.650000	38.6	9.000	Off	N	9.6	17.4	56.0
1.186000	39.5	9.000	Off	N	9.7	16.5	56.0
1.222000	43.1	9.000	Off	N	9.7	12.9	56.0
1.226000	41.4	9.000	Off	N	9.7	14.6	56.0
1.230000	38.8	9.000	Off	N	9.7	17.2	56.0
1.250000	42.1	9.000	Off	N	9.7	13.9	56.0
1.302000	39.4	9.000	Off	N	9.7	16.6	56.0
14.598000	27.2	9.000	Off	N	10.1	32.8	60.0
15.122000	31.6	9.000	Off	N	10.1	28.4	60.0
15.192000	32.1	9.000	Off	N	10.1	27.9	60.0
16.058000	30.2	9.000	Off	N	10.2	29.8	60.0
16.126000	32.1	9.000	Off	N	10.2	27.9	60.0
16.134000	29.0	9.000	Off	N	10.2	31.0	60.0

Final Result 2

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WLAN MODE 5G N 2 / 2

Frequency (MHz)	CAverage (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	26.1	9.000	Off	N	9.6	29.9	56.0
0.156000	22.4	9.000	Off	N	9.6	33.2	55.7
0.160000	20.7	9.000	Off	N	9.6	34.8	55.5
0.628000	24.5	9.000	Off	N	9.6	21.5	46.0
0.632000	25.0	9.000	Off	N	9.6	21.0	46.0
0.650000	26.0	9.000	Off	N	9.6	20.0	46.0
1.186000	20.3	9.000	Off	N	9.7	25.7	46.0
1.222000	21.1	9.000	Off	N	9.7	24.9	46.0
1.230000	20.4	9.000	Off	N	9.7	25.6	46.0
1.250000	22.6	9.000	Off	N	9.7	23.4	46.0
1.258000	21.1	9.000	Off	N	9.7	24.9	46.0
1.302000	20.0	9.000	Off	N	9.7	26.0	46.0
14.598000	16.6	9.000	Off	N	10.1	33.4	50.0
15.122000	17.4	9.000	Off	N	10.1	32.6	50.0
15.194000	19.6	9.000	Off	N	10.1	30.4	50.0
16.058000	17.7	9.000	Off	N	10.2	32.3	50.0
16.126000	20.7	9.000	Off	N	10.2	29.3	50.0
16.134000	20.9	9.000	Off	N	10.2	29.1	50.0

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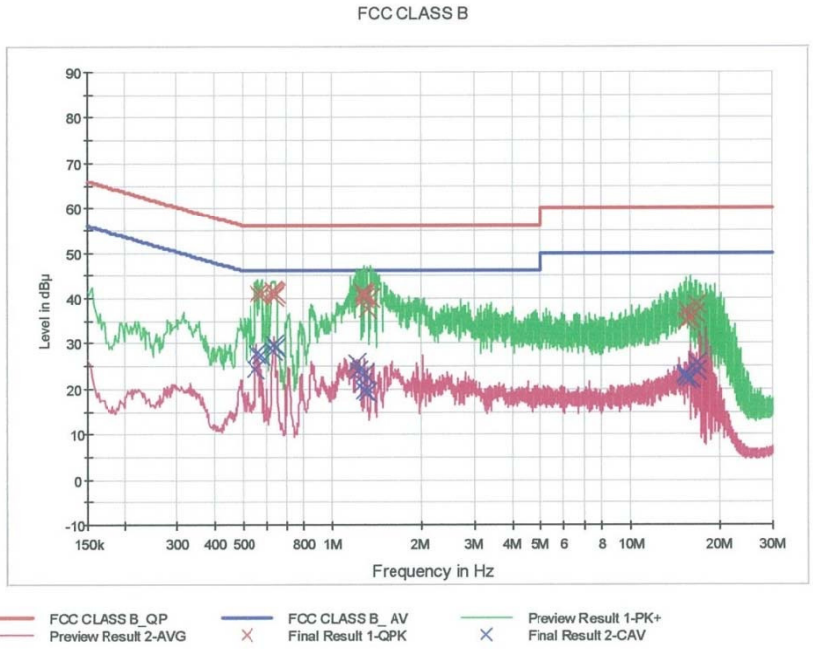
Conducted Emissions (Line 2)

WLAN MODE 5G L1 1 / 2

HCT TEST Report

Common Information

EUT:	KT1601
Manufacturer:	LG
Test Site:	SHIELD ROOM
Operating Conditions:	WLAN MODE _ 5G



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.564000	41.2	9.000	Off	L1	9.7	14.8	56.0
0.580000	40.9	9.000	Off	L1	9.7	15.1	56.0
0.630000	41.7	9.000	Off	L1	9.7	14.3	56.0
0.638000	41.4	9.000	Off	L1	9.7	14.6	56.0
0.642000	40.4	9.000	Off	L1	9.7	15.6	56.0
0.648000	41.2	9.000	Off	L1	9.7	14.8	56.0
1.254000	41.3	9.000	Off	L1	9.7	14.7	56.0
1.272000	41.0	9.000	Off	L1	9.7	15.0	56.0
1.278000	40.8	9.000	Off	L1	9.7	15.2	56.0
1.282000	39.9	9.000	Off	L1	9.7	16.1	56.0
1.298000	37.7	9.000	Off	L1	9.7	18.3	56.0
1.344000	39.8	9.000	Off	L1	9.7	16.2	56.0
15.366000	35.0	9.000	Off	L1	10.2	25.0	60.0
15.380000	37.2	9.000	Off	L1	10.2	22.8	60.0
15.730000	35.5	9.000	Off	L1	10.2	24.5	60.0
15.940000	35.7	9.000	Off	L1	10.2	24.3	60.0
16.576000	36.5	9.000	Off	L1	10.2	23.5	60.0
16.644000	38.6	9.000	Off	L1	10.2	21.4	60.0

Final Result 2

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WLAN MODE 5G L1 2 / 2

Frequency (MHz)	CAverage (dBµV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.552000	24.5	9.000	Off	L1	9.7	21.5	46.0
0.556000	27.9	9.000	Off	L1	9.7	18.1	46.0
0.578000	27.3	9.000	Off	L1	9.7	18.7	46.0
0.630000	28.3	9.000	Off	L1	9.7	17.7	46.0
0.638000	29.8	9.000	Off	L1	9.7	16.2	46.0
0.644000	29.2	9.000	Off	L1	9.7	16.8	46.0
1.198000	25.6	9.000	Off	L1	9.7	20.4	46.0
1.214000	24.1	9.000	Off	L1	9.7	21.9	46.0
1.254000	21.2	9.000	Off	L1	9.7	24.8	46.0
1.278000	23.3	9.000	Off	L1	9.7	22.7	46.0
1.282000	19.4	9.000	Off	L1	9.7	26.6	46.0
1.298000	19.1	9.000	Off	L1	9.7	26.9	46.0
15.288000	23.4	9.000	Off	L1	10.2	26.6	50.0
15.292000	23.1	9.000	Off	L1	10.2	27.0	50.0
15.366000	22.1	9.000	Off	L1	10.2	27.9	50.0
15.940000	22.2	9.000	Off	L1	10.2	27.8	50.0
16.646000	24.1	9.000	Off	L1	10.2	25.9	50.0
16.716000	25.8	9.000	Off	L1	10.2	24.2	50.0

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10. LIST OF TEST EQUIPMENT

10.1 LIST OF TEST EQUIPMENT(Conducted Test)

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216/ LISN	12/28/2015	Annual	100073
Rohde & Schwarz	ESCI / TEST RECEIVER	12/28/2015	Annual	100584
Agilent	E4440A/ Spectrum Analyzer	03/08/2016	Annual	US45303008
Agilent	N9020A/ SIGNAL ANALYZER	06/30/2015	Annual	MY51110085
Agilent	N9030A/ SIGNAL ANALYZER	11/24/2015	Annual	MY49431210
Agilent	N1911A/Power Meter	07/09/2015	Annual	MY45100523
Agilent	N1921A /Power Sensor	03/11/2016	Annual	MY52260025
Agilent	87300B/Directional Coupler	11/30/2015	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	06/15/2015	Annual	5001
Hewlett Packard	E3632A / DC POWER SUPPLY	03/09/2016	Annual	KR75303962
Agilent	8493C / Attenuator(10 dB)	07/23/2015	Annual	07560
Rohde & Schwarz	CBT / BLUETOOTH TESTER	05/11/2015	Annual	100422
ESPAC.	SH-642 / Temp & Humidity Chamber	07/23/2015	Annual	93000717

10.2 LIST OF TEST EQUIPMENT(Radiated Test)

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Schwarzbeck	VULB 9160/ TRILOG Antenna	10/10/2014	Biennial	3368
Audix	AM4000 / Antenna Position Tower	N/A	N/A	N/A
Audix	Turn Table	N/A	N/A	N/A
Audix	EM1000 / Controller	N/A	N/A	060520
Schwarzbeck	BBHA 9120D/ Horn Antenna	05/07/2015	Biennial	937
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	09/03/2015	Biennial	BBHA9170541
Rohde & Schwarz	FSP / Spectrum Analyzer	09/24/2015	Annual	100688
Rohde & Schwarz	FSV40-N / Spectrum Analyzer	09/23/2015	Annual	101068-SZ
Wainwright Instrument	WHF3.0/18G-10EF / High Pass Filter	06/29/2015	Annual	8
Wainwright Instrument	WHKX8-6090-7000-18000-40SS/ High Pass Filter	08/05/2015	Annual	5
Wainwright Instrument	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/16/2016	Annual	2
Wainwright Instrument	WRCJ2400/2483.5-2370/2520-60/14SS / Band Reject Filter	06/15/2015	Annual	1
Agilent	8493C-10 / Attenuator(10 dB)	08/20/2015	Annual	76649
Rohde & Schwarz	LOOP ANTENNA	02/23/2016	Biennial	1513-175
CERNEX	CBL26405040 / POWER AMP	07/21/2015	Annual	19660
CERNEX	CBLU1183540 / POWER AMP	07/21/2015	Annual	22964
CERNEX	CBL18265035 / POWER AMP	07/27/2015	Annual	22966
CERNEX	CBL06185030 / POWER AMP	07/21/2015	Annual	22965