

4.3 UNWANTED EMISSION MEASUREMENT (RADIATED VERSUS CONDUCTED)

4.3.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB.

4.

4.3.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

APPLICABLE TO	LIMIT	
789033 D02 General UNII Test Procedures New Rules v01	FIELD STRENGTH AT 3m	
	PK:74 (dBμV/m)	AV:54 (dBμV/m)
APPLICABLE TO	EIRP LIMIT	EQUIVALENT FIELD STRENGTH AT 3m
15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)	PK:-27 (dBm/MHz) ^{*1} PK:-17 (dBm/MHz) ^{*2}	PK: 68.2(dBμV/m) ^{*1} PK:78.2 (dBμV/m) ^{*2}

NOTE:

- The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \text{ } \mu\text{V/m, where P is the eirp (Watts).}$$



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4.3.3 TEST INSTRUMENTS

For Below 1GHz test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
MXE EMI Receiver Agilent	N9038A	MY51210105	July 21, 2014	July 20, 2015
Pre-Amplifier Mini-Circuits	ZFL-1000VH2 B	AMP-ZFL-03	Nov. 13, 2013	Nov. 12, 2014
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-360	Feb. 26, 2014	Feb. 25, 2015
RF Cable	NA	CHGCAB_001	Oct. 05, 2013	Oct. 04, 2014
Spectrum Analyzer R&S	FSV40	100964	July 05, 2014	July 04, 2015
Horn_Antenna AISI	AIH.8018	0000320091110	Nov. 18, 2013	Nov. 17, 2014
Pre-Amplifier Agilent	8449B	3008A02578	June 24, 2014	June 23, 2015
RF Cable	NA	RF104-201 RF104-203 RF104-204	Dec. 12, 2013	Dec. 11, 2014
Spectrum Analyzer Agilent	E4446A	MY48250253	Aug. 28, 2013	Aug. 27, 2014
Pre-Amplifier SPACEK LABS	SLKKa-48-6	9K16	Nov. 13, 2013	Nov. 12, 2014
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Oct. 08, 2013	Oct. 07, 2014
Software	ADT_Radiated _V8.7.07	NA	NA	NA
Antenna Tower & Turn Table CT	NA	NA	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The horn antenna, preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
- 3 The test was performed in 966 Chamber No. G.
4. The FCC Site Registration No. is 966073.
- 5 The VCCI Site Registration No. is G-137.
- 6 The CANADA Site Registration No. is IC 7450H-2.
- 7 Tested Date: Aug. 19, 2014



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For Above 1GHz test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
MXE EMI Receiver Agilent	N9038A	MY50010156	Aug. 11, 2014	Aug. 10, 2015
Pre-Amplifier Mini-Circuits	ZFL-1000VH2 B	AMP-ZFL-04	Nov. 13, 2013	Nov. 12, 2014
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Feb. 27, 2014	Feb. 26, 2015
RF Cable	NA	CHHCAB_001	Oct. 06, 2013	Oct. 05, 2014
Spectrum Analyzer R&S	FSV40	100964	July 05, 2014	July 04, 2015
Horn_Antenna AISI	AIH.8018	0000220091110	Dec. 06, 2013	Dec. 05, 2014
Pre-Amplifier Agilent	8449B	3008A01923	Oct. 29, 2013	Oct. 28, 2014
RF Cable	NA	RF104-205 RF104-207 RF104-202	Dec. 12, 2013	Dec. 11, 2014
Spectrum Analyzer Agilent	E4446A	MY48250253	Aug. 28, 2013	Aug. 27, 2014
Pre-Amplifier SPACEK LABS	SLKKa-48-6	9K16	Nov. 13, 2013	Nov. 12, 2014
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Oct. 08, 2013	Oct. 07, 2014
Software	ADT_Radiated _V8.7.07	NA	NA	NA
Antenna Tower & Turn Table CT	NA	NA	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The horn antenna, preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
- 3 The test was performed in 966 Chamber No. H.
4. The FCC Site Registration No. is 797305.
- 5 The CANADA Site Registration No. is IC 7450H-3.
- 6 Tested Date: Aug. 19, 2014

4.3.4 TEST PROCEDURES

Following FCC KDB 789033 D01 General UNII Test Procedures:

Radiated versus Conducted Measurements.

The unwanted emission limits in both the restricted and non-restricted bands are based on antenna-port conducted measurements in conjunction with cabinet emissions tests are permitted to demonstrate compliance.

The following steps was performed:

- a. Cabinet emissions measurements. Radiated measurement was performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna was replaced by a termination matching the nominal impedance of the antenna.
- b. Conducted tests was performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT
- c. EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater
- d. EIRP adjustments for multiple outputs. (Follow the procedures specified in FCC KDB Publication 662911)
- e. For all of Radiation emission test
 - e-1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
 - e-2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
 - e-3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
 - e-4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
 - e-5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
 - e-6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.



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NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

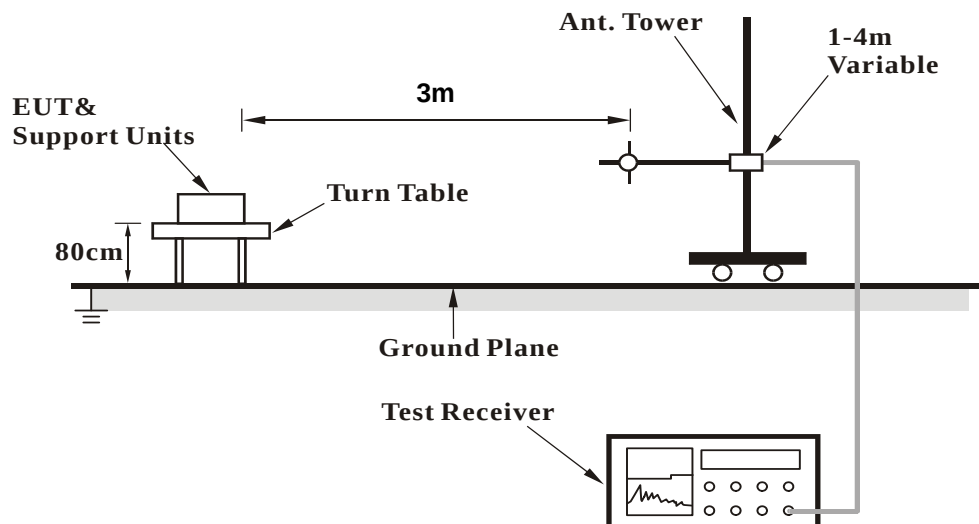
4.3.5 DEVIATION FROM TEST STANDARD

No deviation

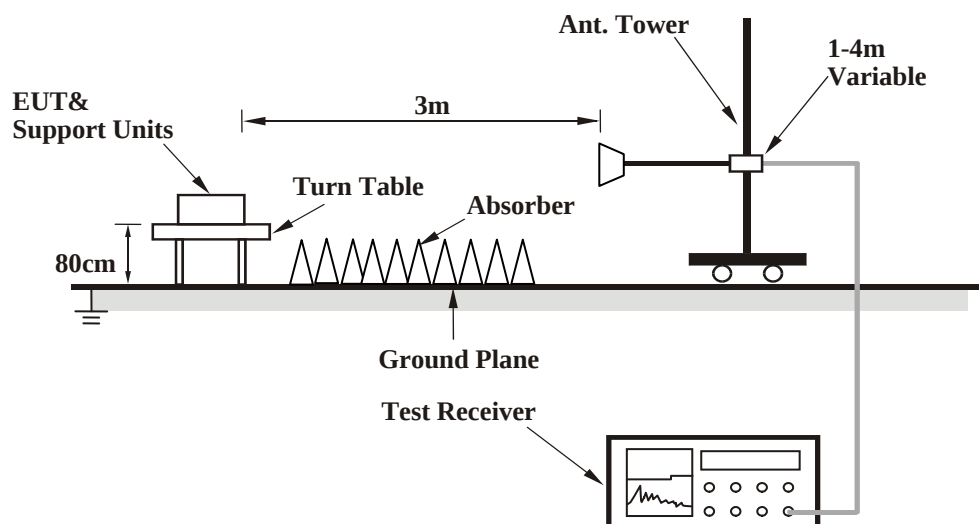
4.3.6 TEST SETUP

For radiated configuration:

<Frequency Range below 1GHz>

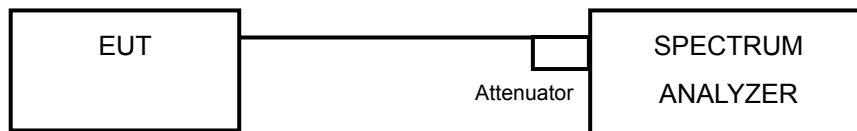


<Frequency Range above 1GHz>



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

For conducted configuration:



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.3.7 EUT OPERATING CONDITION

1. Connect the EUT with the support unit 1 (Notebook Computer) which is placed on a testing table.
2. The communication partner run test program “QCRT Version3.0.29.0” to enable EUT under transmission/receiving condition continuously at specific channel frequency.

4.3.8 TEST RESULTS (MODE 2, RADIATED MEASUREMENT)

Radiated versus Conducted Measurement	
☐ Conducted measurement	☒ Radiated measurement
<u>For Radiated measurement:</u> The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation) <u>For Conducted measurement:</u> The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).	



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Radiated test was done with 50ohm terminator on antenna port

BELOW 1GHz WORST-CASE DATA

802.11a

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	Below 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	54.12	25.3 QP	40.0	-14.7	2.00 H	93	38.85	-13.55
2	166.02	35.2 QP	43.5	-8.3	2.00 H	118	48.71	-13.49
3	233.26	38.1 QP	46.0	-7.9	1.00 H	11	53.56	-15.46
4	428.38	33.3 QP	46.0	-12.7	2.00 H	66	42.07	-8.75
5	666.41	31.4 QP	46.0	-14.6	1.00 H	42	35.41	-3.99
6	770.70	33.3 QP	46.0	-12.7	2.00 H	107	34.93	-1.63
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.43	22.9 QP	40.0	-17.1	1.00 V	32	36.44	-13.52
2	166.58	24.7 QP	43.5	-18.8	2.00 V	202	38.22	-13.52
3	311.75	26.3 QP	46.0	-19.7	1.50 V	181	38.28	-11.98
4	428.30	26.8 QP	46.0	-19.2	2.00 V	133	35.52	-8.75
5	663.86	32.3 QP	46.0	-13.7	1.50 V	130	36.37	-4.03
6	906.65	40.1 QP	46.0	-5.9	1.50 V	116	39.90	0.23

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



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ABOVE 1GHz DATA

802.11a

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10360.00	54.6 PK	74.0	-19.4	1.74 H	109	44.54	10.06
2	#10360.00	42.1 AV	54.0	-11.9	1.74 H	109	32.04	10.06
3	15540.00	60.8 PK	74.0	-13.2	1.44 H	211	45.96	14.84
4	15540.00	47.6 AV	54.0	-6.4	1.44 H	211	32.76	14.84
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10360.00	52.5 PK	74.0	-21.5	1.14 V	238	42.44	10.06
2	#10360.00	42.2 AV	54.0	-11.8	1.14 V	238	32.14	10.06
3	15540.00	61.3 PK	74.0	-12.7	1.23 V	185	46.46	14.84
4	15540.00	48.1 AV	54.0	-5.9	1.23 V	185	33.26	14.84

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	55.2 PK	74.0	-18.8	1.72 H	96	45.13	10.07
2	#10400.00	41.8 AV	54.0	-12.2	1.72 H	96	31.73	10.07
3	15600.00	60.9 PK	74.0	-13.1	1.47 H	200	45.84	15.06
4	15600.00	48.4 AV	54.0	-5.6	1.47 H	200	33.34	15.06

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	55.1 PK	74.0	-18.9	1.18 V	254	45.03	10.07
2	#10400.00	42.0 AV	54.0	-12.0	1.18 V	254	31.93	10.07
3	15600.00	61.3 PK	74.0	-12.7	1.22 V	200	46.24	15.06
4	15600.00	43.5 AV	54.0	-10.5	1.22 V	200	28.44	15.06

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	55.4 PK	74.0	-18.6	1.73 H	106	45.14	10.26
2	#10480.00	41.8 AV	54.0	-12.2	1.73 H	106	31.54	10.26
3	15720.00	61.0 PK	74.0	-13.0	1.47 H	202	46.33	14.67
4	15720.00	48.7 AV	54.0	-5.3	1.47 H	202	34.03	14.67

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	54.6 PK	74.0	-19.4	1.16 V	259	44.34	10.26
2	#10480.00	41.7 AV	54.0	-12.3	1.16 V	259	31.44	10.26
3	15720.00	61.5 PK	74.0	-12.5	1.28 V	190	46.83	14.67
4	15720.00	43.9 AV	54.0	-10.1	1.28 V	190	29.23	14.67

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	54.8 PK	74.0	-19.2	1.68 H	89	44.43	10.37
2	#10520.00	41.4 AV	54.0	-12.6	1.68 H	89	31.03	10.37
3	15780.00	61.1 PK	74.0	-12.9	1.44 H	194	46.38	14.72
4	15780.00	48.4 AV	54.0	-5.6	1.44 H	194	33.68	14.72

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	55.0 PK	74.0	-19.0	1.18 V	244	44.63	10.37
2	#10520.00	42.0 AV	54.0	-12.0	1.18 V	244	31.63	10.37
3	15780.00	61.6 PK	74.0	-12.4	1.18 V	210	46.88	14.72
4	15780.00	44.0 AV	54.0	-10.0	1.18 V	210	29.28	14.72

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



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CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	55.0 PK	74.0	-19.0	1.78 H	85	44.32	10.68
2	10600.00	41.9 AV	54.0	-12.1	1.78 H	85	31.22	10.68
3	15900.00	60.7 PK	74.0	-13.3	1.53 H	213	45.65	15.05
4	15900.00	48.3 AV	54.0	-5.7	1.53 H	213	33.25	15.05

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	55.4 PK	74.0	-18.6	1.13 V	241	44.72	10.68
2	10600.00	42.5 AV	54.0	-11.5	1.13 V	241	31.82	10.68
3	15900.00	61.0 PK	74.0	-13.0	1.19 V	195	45.95	15.05
4	15900.00	43.1 AV	54.0	-10.9	1.19 V	195	28.05	15.05

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



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CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	55.1 PK	74.0	-18.9	1.73 H	81	44.47	10.63
2	10640.00	40.2 AV	54.0	-13.8	1.73 H	81	29.57	10.63
3	15960.00	58.4 PK	74.0	-15.6	1.50 H	217	43.43	14.97
4	15960.00	41.0 AV	54.0	-13.0	1.50 H	217	26.03	14.97

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	55.3 PK	74.0	-18.7	1.18 V	231	44.67	10.63
2	10640.00	41.3 AV	54.0	-12.7	1.18 V	231	30.67	10.63
3	15960.00	59.3 PK	74.0	-14.7	1.22 V	189	44.33	14.97
4	15960.00	42.3 AV	54.0	-11.7	1.22 V	189	27.33	14.97

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



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CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	54.2 PK	74.0	-19.8	1.69 H	86	43.35	10.85
2	11000.00	39.8 AV	54.0	-14.2	1.69 H	86	28.95	10.85
3	#16500.00	58.3 PK	74.0	-15.7	1.38 H	220	41.31	16.99
4	#16500.00	40.7 AV	54.0	-13.3	1.38 H	220	23.71	16.99

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	55.1 PK	74.0	-18.9	1.16 V	223	44.25	10.85
2	11000.00	41.2 AV	54.0	-12.8	1.16 V	223	30.35	10.85
3	#16500.00	59.0 PK	74.0	-15.0	1.07 V	198	42.01	16.99
4	#16500.00	42.1 AV	54.0	-11.9	1.07 V	198	25.11	16.99

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 120	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11200.00	54.4 PK	74.0	-19.6	1.79 H	87	43.66	10.74
2	11200.00	41.5 AV	54.0	-12.5	1.79 H	87	30.76	10.74
3	#16800.00	60.4 PK	74.0	-13.6	1.53 H	195	42.18	18.22
4	#16800.00	47.9 AV	54.0	-6.1	1.53 H	195	29.68	18.22

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11200.00	54.9 PK	74.0	-19.1	1.18 V	240	44.16	10.74
2	11200.00	42.0 AV	54.0	-12.0	1.18 V	240	31.26	10.74
3	#16800.00	60.7 PK	74.0	-13.3	1.17 V	182	42.48	18.22
4	#16800.00	43.2 AV	54.0	-10.8	1.17 V	182	24.98	18.22

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	53.8 PK	74.0	-20.2	1.66 H	63	43.17	10.63
2	11400.00	39.1 AV	54.0	-14.9	1.66 H	63	28.47	10.63
3	#17100.00	57.1 PK	74.0	-16.9	1.32 H	208	38.55	18.55
4	#17100.00	39.7 AV	54.0	-14.3	1.32 H	208	21.15	18.55
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	55.0 PK	74.0	-19.0	1.06 V	220	44.37	10.63
2	11400.00	40.9 AV	54.0	-13.1	1.06 V	220	30.27	10.63
3	#17100.00	58.8 PK	74.0	-15.2	1.05 V	200	40.25	18.55
4	#17100.00	41.9 AV	54.0	-12.1	1.05 V	200	23.35	18.55

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11440.00	53.8 PK	74.0	-20.2	1.75 H	46	43.16	10.64
2	11440.00	41.1 AV	54.0	-12.9	1.75 H	46	30.46	10.64
3	#17160.00	60.5 PK	74.0	-13.5	1.49 H	167	41.47	19.03
4	#17160.00	48.2 AV	54.0	-5.8	1.49 H	167	29.17	19.03

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11440.00	55.1 PK	74.0	-18.9	1.15 V	230	44.46	10.64
2	11440.00	42.3 AV	54.0	-11.7	1.15 V	230	31.66	10.64
3	#17160.00	59.9 PK	74.0	-14.1	1.13 V	195	40.87	19.03
4	#17160.00	42.8 AV	54.0	-11.2	1.13 V	195	23.77	19.03

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

802.11ac VHT20

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10360.00	53.7 PK	74.0	-20.3	1.67 H	109	43.64	10.06
2	#10360.00	41.5 AV	54.0	-12.5	1.67 H	109	31.44	10.06
3	15540.00	61.2 PK	74.0	-12.8	1.43 H	189	46.36	14.84
4	15540.00	47.9 AV	54.0	-6.1	1.43 H	189	33.06	14.84
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10360.00	53.1 PK	74.0	-20.9	1.13 V	234	43.04	10.06
2	#10360.00	42.6 AV	54.0	-11.4	1.13 V	234	32.54	10.06
3	15540.00	61.0 PK	74.0	-13.0	1.24 V	188	46.16	14.84
4	15540.00	47.6 AV	54.0	-6.4	1.24 V	188	32.76	14.84

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	53.2 PK	74.0	-20.8	1.67 H	104	43.13	10.07
2	#10400.00	41.0 AV	54.0	-13.0	1.67 H	104	30.93	10.07
3	15600.00	61.2 PK	74.0	-12.8	1.38 H	174	46.14	15.06
4	15600.00	47.7 AV	54.0	-6.3	1.38 H	174	32.64	15.06
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10400.00	52.6 PK	74.0	-21.4	1.17 V	242	42.53	10.07
2	#10400.00	42.2 AV	54.0	-11.8	1.17 V	242	32.13	10.07
3	15600.00	61.0 PK	74.0	-13.0	1.20 V	186	45.94	15.06
4	15600.00	47.8 AV	54.0	-6.2	1.20 V	186	32.74	15.06

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	52.5 PK	74.0	-21.5	1.68 H	111	42.24	10.26
2	#10480.00	40.6 AV	54.0	-13.4	1.68 H	111	30.34	10.26
3	15720.00	60.7 PK	74.0	-13.3	1.40 H	192	46.03	14.67
4	15720.00	47.4 AV	54.0	-6.6	1.40 H	192	32.73	14.67

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10480.00	53.2 PK	74.0	-20.8	1.13 V	232	42.94	10.26
2	#10480.00	43.1 AV	54.0	-10.9	1.13 V	232	32.84	10.26
3	15720.00	61.1 PK	74.0	-12.9	1.16 V	177	46.43	14.67
4	15720.00	47.6 AV	54.0	-6.4	1.16 V	177	32.93	14.67

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	54.9 PK	74.0	-19.1	1.77 H	84	44.53	10.37
2	#10520.00	41.6 AV	54.0	-12.4	1.77 H	84	31.23	10.37
3	15780.00	60.3 PK	74.0	-13.7	1.46 H	197	45.58	14.72
4	15780.00	48.2 AV	54.0	-5.8	1.46 H	197	33.48	14.72

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10520.00	54.8 PK	74.0	-19.2	1.22 V	256	44.43	10.37
2	#10520.00	41.8 AV	54.0	-12.2	1.22 V	256	31.43	10.37
3	15780.00	61.6 PK	74.0	-12.4	1.24 V	191	46.88	14.72
4	15780.00	43.8 AV	54.0	-10.2	1.24 V	191	29.08	14.72

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	54.8 PK	74.0	-19.2	1.78 H	62	44.12	10.68
2	10600.00	41.2 AV	54.0	-12.8	1.78 H	62	30.52	10.68
3	15900.00	60.5 PK	74.0	-13.5	1.44 H	206	45.45	15.05
4	15900.00	48.3 AV	54.0	-5.7	1.44 H	206	33.25	15.05

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10600.00	54.9 PK	74.0	-19.1	1.13 V	245	44.22	10.68
2	10600.00	41.9 AV	54.0	-12.1	1.13 V	245	31.22	10.68
3	15900.00	61.0 PK	74.0	-13.0	1.22 V	213	45.95	15.05
4	15900.00	43.1 AV	54.0	-10.9	1.22 V	213	28.05	15.05

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



A D T

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	54.1 PK	74.0	-19.9	1.62 H	73	43.47	10.63
2	10640.00	39.8 AV	54.0	-14.2	1.62 H	73	29.17	10.63
3	15960.00	58.9 PK	74.0	-15.1	1.40 H	227	43.93	14.97
4	15960.00	41.0 AV	54.0	-13.0	1.40 H	227	26.03	14.97

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10640.00	52.3 PK	74.0	-21.7	1.11 V	217	41.67	10.63
2	10640.00	43.0 AV	54.0	-11.0	1.11 V	217	32.37	10.63
3	15960.00	60.0 PK	74.0	-14.0	1.19 V	181	45.03	14.97
4	15960.00	46.5 AV	54.0	-7.5	1.19 V	181	31.53	14.97

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



A D T

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	53.4 PK	74.0	-20.6	1.68 H	92	42.55	10.85
2	11000.00	41.4 AV	54.0	-12.6	1.68 H	92	30.55	10.85
3	#16500.00	61.2 PK	74.0	-12.8	1.47 H	178	44.21	16.99
4	#16500.00	47.7 AV	54.0	-6.3	1.47 H	178	30.71	16.99

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11000.00	52.8 PK	74.0	-21.2	1.01 V	231	41.95	10.85
2	11000.00	42.7 AV	54.0	-11.3	1.01 V	231	31.85	10.85
3	#16500.00	61.2 PK	74.0	-12.8	1.14 V	189	44.21	16.99
4	#16500.00	47.4 AV	54.0	-6.6	1.14 V	189	30.41	16.99

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 120	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11200.00	53.6 PK	74.0	-20.4	1.74 H	38	42.86	10.74
2	11200.00	40.8 AV	54.0	-13.2	1.74 H	38	30.06	10.74
3	#16800.00	60.3 PK	74.0	-13.7	1.49 H	178	42.08	18.22
4	#16800.00	47.9 AV	54.0	-6.1	1.49 H	178	29.68	18.22

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11200.00	54.8 PK	74.0	-19.2	1.10 V	207	44.06	10.74
2	11200.00	41.9 AV	54.0	-12.1	1.10 V	207	31.16	10.74
3	#16800.00	59.9 PK	74.0	-14.1	1.05 V	208	41.68	18.22
4	#16800.00	42.6 AV	54.0	-11.4	1.05 V	208	24.38	18.22

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	54.2 PK	74.0	-19.8	1.65 H	66	43.57	10.63
2	11400.00	39.7 AV	54.0	-14.3	1.65 H	66	29.07	10.63
3	#17100.00	57.9 PK	74.0	-16.1	1.31 H	216	39.35	18.55
4	#17100.00	40.2 AV	54.0	-13.8	1.31 H	216	21.65	18.55

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11400.00	54.6 PK	74.0	-19.4	1.18 V	208	43.97	10.63
2	11400.00	41.0 AV	54.0	-13.0	1.18 V	208	30.37	10.63
3	#17100.00	58.3 PK	74.0	-15.7	1.03 V	206	39.75	18.55
4	#17100.00	42.1 AV	54.0	-11.9	1.03 V	206	23.55	18.55

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11440.00	53.1 PK	74.0	-20.9	1.67 H	45	42.46	10.64
2	11440.00	40.5 AV	54.0	-13.5	1.67 H	45	29.86	10.64
3	#17160.00	61.0 PK	74.0	-13.0	1.46 H	158	41.97	19.03
4	#17160.00	48.6 AV	54.0	-5.4	1.46 H	158	29.57	19.03

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11440.00	54.6 PK	74.0	-19.4	1.04 V	208	43.96	10.64
2	11440.00	41.6 AV	54.0	-12.4	1.04 V	208	30.96	10.64
3	#17160.00	59.4 PK	74.0	-14.6	1.03 V	220	40.37	19.03
4	#17160.00	42.2 AV	54.0	-11.8	1.03 V	220	23.17	19.03

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

802.11ac VHT40

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10380.00	54.4 PK	74.0	-19.6	1.57 H	71	44.33	10.07
2	#10380.00	40.1 AV	54.0	-13.9	1.57 H	71	30.03	10.07
3	15570.00	58.1 PK	74.0	-15.9	1.30 H	220	43.15	14.95
4	15570.00	40.4 AV	54.0	-13.6	1.30 H	220	25.45	14.95
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10380.00	53.9 PK	74.0	-20.1	1.17 V	220	43.83	10.07
2	#10380.00	40.6 AV	54.0	-13.4	1.17 V	220	30.53	10.07
3	15570.00	57.6 PK	74.0	-16.4	1.04 V	192	42.65	14.95
4	15570.00	41.4 AV	54.0	-12.6	1.04 V	192	26.45	14.95

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10460.00	53.3 PK	74.0	-20.7	1.73 H	54	43.09	10.21
2	#10460.00	41.4 AV	54.0	-12.6	1.73 H	54	31.19	10.21
3	15690.00	60.5 PK	74.0	-13.5	1.43 H	167	45.82	14.68
4	15690.00	47.4 AV	54.0	-6.6	1.43 H	167	32.72	14.68

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10460.00	52.2 PK	74.0	-21.8	1.11 V	214	41.99	10.21
2	#10460.00	43.1 AV	54.0	-10.9	1.11 V	214	32.89	10.21
3	15690.00	60.0 PK	74.0	-14.0	1.12 V	170	45.32	14.68
4	15690.00	46.5 AV	54.0	-7.5	1.12 V	170	31.82	14.68

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10540.00	53.4 PK	74.0	-20.6	1.72 H	102	42.95	10.45
2	#10540.00	41.6 AV	54.0	-12.4	1.72 H	102	31.15	10.45
3	15810.00	61.2 PK	74.0	-12.8	1.42 H	147	46.42	14.78
4	15810.00	47.6 AV	54.0	-6.4	1.42 H	147	32.82	14.78

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10540.00	52.0 PK	74.0	-22.0	1.14 V	191	41.55	10.45
2	#10540.00	42.9 AV	54.0	-11.1	1.14 V	191	32.45	10.45
3	15810.00	60.1 PK	74.0	-13.9	1.16 V	163	45.32	14.78
4	15810.00	46.3 AV	54.0	-7.7	1.16 V	163	31.52	14.78

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10620.00	54.0 PK	74.0	-20.0	1.60 H	81	43.35	10.65
2	10620.00	39.7 AV	54.0	-14.3	1.60 H	81	29.05	10.65
3	15930.00	58.1 PK	74.0	-15.9	1.33 H	210	43.09	15.01
4	15930.00	40.3 AV	54.0	-13.7	1.33 H	210	25.29	15.01
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	10620.00	53.3 PK	74.0	-20.7	1.12 V	206	42.65	10.65
2	10620.00	40.2 AV	54.0	-13.8	1.12 V	206	29.55	10.65
3	15930.00	57.7 PK	74.0	-16.3	1.01 V	184	42.69	15.01
4	15930.00	41.6 AV	54.0	-12.4	1.01 V	184	26.59	15.01

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



A D T

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11020.00	54.0 PK	74.0	-20.0	1.55 H	58	43.18	10.82
2	11020.00	39.7 AV	54.0	-14.3	1.55 H	58	28.88	10.82
3	#16530.00	57.6 PK	74.0	-16.4	1.22 H	215	40.56	17.04
4	#16530.00	39.9 AV	54.0	-14.1	1.22 H	215	22.86	17.04
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11020.00	52.7 PK	74.0	-21.3	1.10 V	210	41.88	10.82
2	11020.00	39.6 AV	54.0	-14.4	1.10 V	210	28.78	10.82
3	#16530.00	57.6 PK	74.0	-16.4	1.01 V	191	40.56	17.04
4	#16530.00	41.7 AV	54.0	-12.3	1.01 V	191	24.66	17.04

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11180.00	52.5 PK	74.0	-21.5	1.56 H	31	41.78	10.72
2	11180.00	40.3 AV	54.0	-13.7	1.56 H	31	29.58	10.72
3	#16770.00	60.6 PK	74.0	-13.4	1.50 H	152	42.56	18.04
4	#16770.00	48.2 AV	54.0	-5.8	1.50 H	152	30.16	18.04

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11180.00	53.9 PK	74.0	-20.1	1.03 V	221	43.18	10.72
2	11180.00	41.6 AV	54.0	-12.4	1.03 V	221	30.88	10.72
3	#16770.00	59.1 PK	74.0	-14.9	1.08 V	215	41.06	18.04
4	#16770.00	42.5 AV	54.0	-11.5	1.08 V	215	24.46	18.04

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11340.00	52.5 PK	74.0	-21.5	1.69 H	35	41.74	10.76
2	11340.00	40.0 AV	54.0	-14.0	1.69 H	35	29.24	10.76
3	#17010.00	61.0 PK	74.0	-13.0	1.50 H	159	42.63	18.37
4	#17010.00	48.7 AV	54.0	-5.3	1.50 H	159	30.33	18.37

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11340.00	54.9 PK	74.0	-19.1	1.03 V	185	44.14	10.76
2	11340.00	42.1 AV	54.0	-11.9	1.03 V	185	31.34	10.76
3	#17010.00	59.6 PK	74.0	-14.4	1.08 V	218	41.23	18.37
4	#17010.00	42.5 AV	54.0	-11.5	1.08 V	218	24.13	18.37

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11420.00	52.4 PK	74.0	-21.6	1.63 H	54	41.76	10.64
2	11420.00	39.9 AV	54.0	-14.1	1.63 H	54	29.26	10.64
3	#17130.00	60.7 PK	74.0	-13.3	1.45 H	142	41.91	18.79
4	#17130.00	48.6 AV	54.0	-5.4	1.45 H	142	29.81	18.79

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11420.00	54.3 PK	74.0	-19.7	1.05 V	202	43.66	10.64
2	11420.00	41.4 AV	54.0	-12.6	1.05 V	202	30.76	10.64
3	#17130.00	59.7 PK	74.0	-14.3	1.07 V	218	40.91	18.79
4	#17130.00	42.7 AV	54.0	-11.3	1.07 V	218	23.91	18.79

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

802.11ac VHT80

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10420.00	53.7 PK	74.0	-20.3	1.52 H	71	43.59	10.11
2	#10420.00	39.2 AV	54.0	-14.8	1.52 H	71	29.09	10.11
3	15630.00	58.0 PK	74.0	-16.0	1.21 H	231	43.06	14.94
4	15630.00	40.3 AV	54.0	-13.7	1.21 H	231	25.36	14.94
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10420.00	52.4 PK	74.0	-21.6	1.10 V	194	42.29	10.11
2	#10420.00	39.3 AV	54.0	-14.7	1.10 V	194	29.19	10.11
3	15630.00	57.6 PK	74.0	-16.4	1.02 V	176	42.66	14.94
4	15630.00	41.8 AV	54.0	-12.2	1.02 V	176	26.86	14.94

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10580.00	52.9 PK	74.0	-21.1	1.59 H	43	42.29	10.61
2	#10580.00	39.2 AV	54.0	-14.8	1.59 H	43	28.59	10.61
3	15870.00	57.1 PK	74.0	-16.9	1.13 H	199	42.14	14.96
4	15870.00	39.7 AV	54.0	-14.3	1.13 H	199	24.74	14.96
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#10580.00	52.8 PK	74.0	-21.2	1.08 V	209	42.19	10.61
2	#10580.00	39.4 AV	54.0	-14.6	1.08 V	209	28.79	10.61
3	15870.00	56.7 PK	74.0	-17.3	1.00 V	190	41.74	14.96
4	15870.00	41.2 AV	54.0	-12.8	1.00 V	190	26.24	14.96

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11060.00	53.8 PK	74.0	-20.2	1.56 H	57	43.05	10.75
2	11060.00	39.8 AV	54.0	-14.2	1.56 H	57	29.05	10.75
3	#16590.00	57.8 PK	74.0	-16.2	1.10 H	231	40.64	17.16
4	#16590.00	40.0 AV	54.0	-14.0	1.10 H	231	22.84	17.16

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11060.00	52.0 PK	74.0	-22.0	1.02 V	216	41.25	10.75
2	11060.00	39.3 AV	54.0	-14.7	1.02 V	216	28.55	10.75
3	#16590.00	57.2 PK	74.0	-16.8	1.01 V	205	40.04	17.16
4	#16590.00	41.5 AV	54.0	-12.5	1.01 V	205	24.34	17.16

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11220.00	53.0 PK	74.0	-21.0	1.68 H	52	42.23	10.77
2	11220.00	40.2 AV	54.0	-13.8	1.68 H	52	29.43	10.77
3	#16830.00	60.9 PK	74.0	-13.1	1.48 H	124	42.63	18.27
4	#16830.00	48.7 AV	54.0	-5.3	1.48 H	124	30.43	18.27

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11220.00	54.9 PK	74.0	-19.1	1.08 V	216	44.13	10.77
2	11220.00	41.7 AV	54.0	-12.3	1.08 V	216	30.93	10.77
3	#16830.00	59.7 PK	74.0	-14.3	1.03 V	203	41.43	18.27
4	#16830.00	42.4 AV	54.0	-11.6	1.03 V	203	24.13	18.27

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



A D T

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11380.00	50.9 PK	74.0	-23.1	1.64 H	55	40.23	10.67
2	11380.00	39.0 AV	54.0	-15.0	1.64 H	55	28.33	10.67
3	#17070.00	59.6 PK	74.0	-14.4	1.50 H	136	41.11	18.49
4	#17070.00	48.3 AV	54.0	-5.7	1.50 H	136	29.81	18.49

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	11380.00	54.2 PK	74.0	-19.8	1.07 V	189	43.53	10.67
2	11380.00	41.6 AV	54.0	-12.4	1.07 V	189	30.93	10.67
3	#17070.00	60.1 PK	74.0	-13.9	1.02 V	216	41.61	18.49
4	#17070.00	43.0 AV	54.0	-11.0	1.02 V	216	24.51	18.49

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

4.3.9 TEST RESULTS (MODE 1, CONDUCTED MEASUREMENT)

Radiated versus Conducted Measurement	
☒ Conducted measurement	☐ Radiated measurement
<u>For Radiated measurement:</u> The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation) <u>For Conducted measurement:</u> The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).	

Conducted Measurement Factor
a. The antenna gain will be used. (antenna gain = 3.08dBi / antenna gain = 4.76dBi) b. For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands. c. For the band edge the gain for the specific band may have been used. d. In restricted bands below 1000 MHz, add upper bound on ground plane reflection: For $f = 30 - 1000$ MHz, add 4.7 dB. Note: The conducted emission test was considered some factor to compute test result.

ABOVE 1GHz DATA
802.11a - Channel 36

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3446.875 PK	49.98	74	-24.02	-48.36	3.08	-45.28
2	3443.75 AV	28.71	54	-25.29	-69.63	3.08	-66.55
3	6900 PK	49.67	74	-24.33	-48.67	3.08	-45.59
4	6906.25 AV	40.56	54	-13.44	-57.78	3.08	-54.7
5	10356.25 PK	58.12	74	-15.88	-40.22	3.08	-37.14
6	10359.375 AV	46.24	54	-7.76	-52.1	3.08	-49.02
7	15549.875 PK	48.58	74	-25.42	-49.76	3.08	-46.68
8	15538.375 AV	38.15	54	-15.85	-60.19	3.08	-57.11

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.



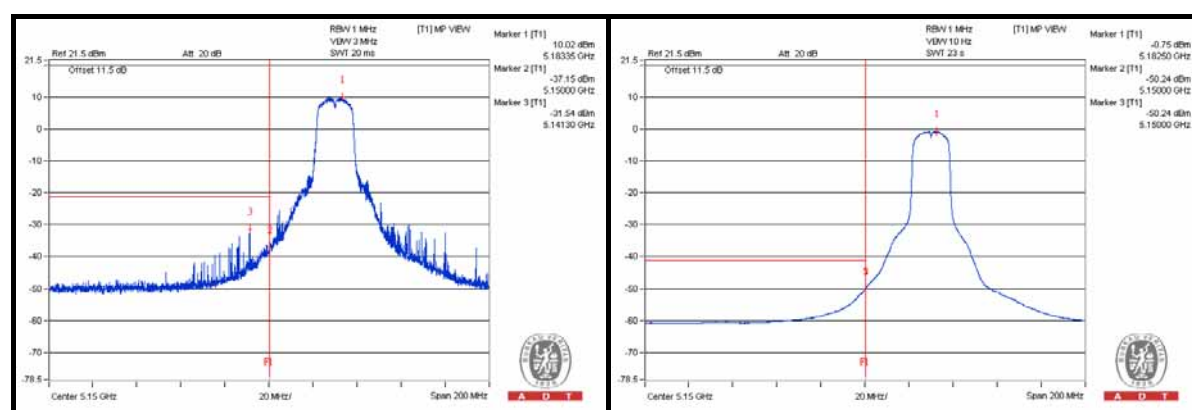
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5141.3 PK	66.8	74	-7.2	3.08	-28.46
2	5150 AV	48.1	54	-5.9	3.08	-47.16

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11a - Channel 64

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3540.625 PK	50.54	74	-23.46	-47.8	3.08	-44.72
2	3546.875 AV	29.34	54	-24.66	-69	3.08	-65.92
3	7093.75 PK	51.65	74	-22.35	-46.69	3.08	-43.61
4	7093.75 AV	33.34	54	-20.66	-65	3.08	-61.92
5	10643.75 PK	58.47	74	-15.53	-39.87	3.08	-36.79
6	10640.625 AV	46.68	54	-7.32	-51.66	3.08	-48.58
7	15969.625 PK	49.38	74	-24.62	-48.96	3.08	-45.88
8	15963.875 AV	37.36	54	-16.64	-60.98	3.08	-57.9

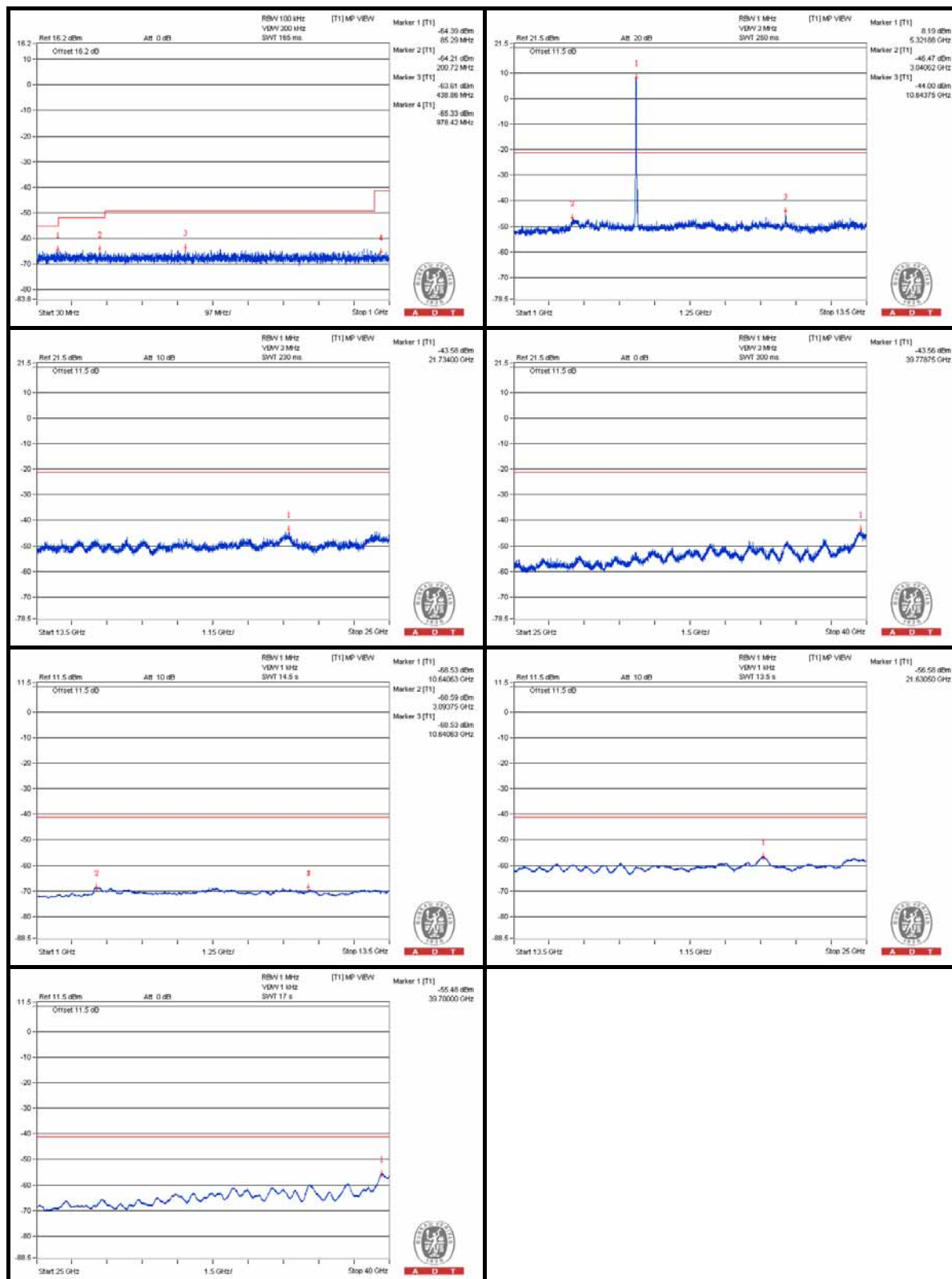
Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



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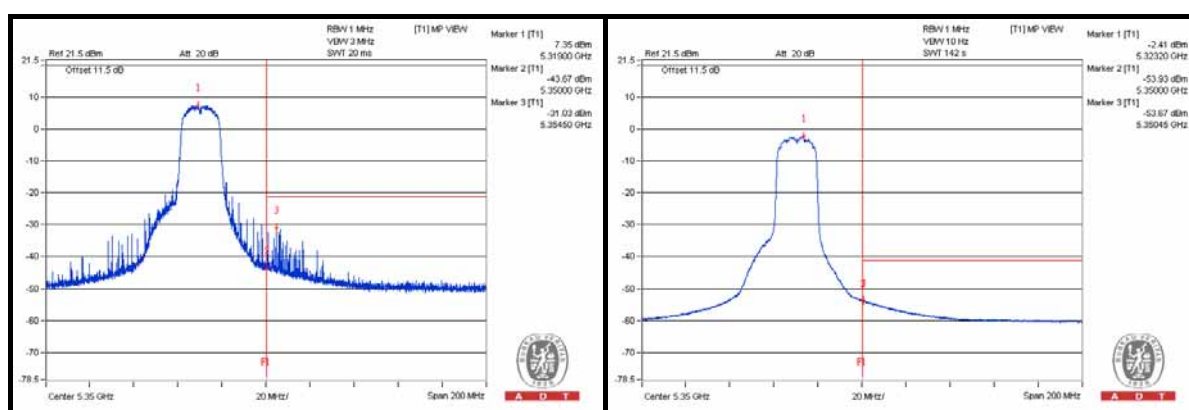
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5354.5 PK	67.31	74	-6.69	3.08	-27.95
2	5350.45 AV	44.67	54	-9.33	3.08	-50.59

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11a - Channel 100

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3665.625 PK	52.55	74	-21.45	-47.47	4.76	-42.71
2	3659.375 AV	30.79	54	-23.21	-69.23	4.76	-64.47
3	7334.375 PK	52.58	74	-21.42	-47.44	4.76	-42.68
4	7334.375 AV	32.49	54	-21.51	-67.53	4.76	-62.77
5	11003.125 PK	59.26	74	-14.74	-40.76	4.76	-36
6	11000 AV	47.74	54	-6.26	-52.28	4.76	-47.52
7	16498.625 PK	53.53	74	-20.47	-46.49	4.76	-41.73
8	16492.875 AV	40.18	54	-13.82	-59.84	4.76	-55.08

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



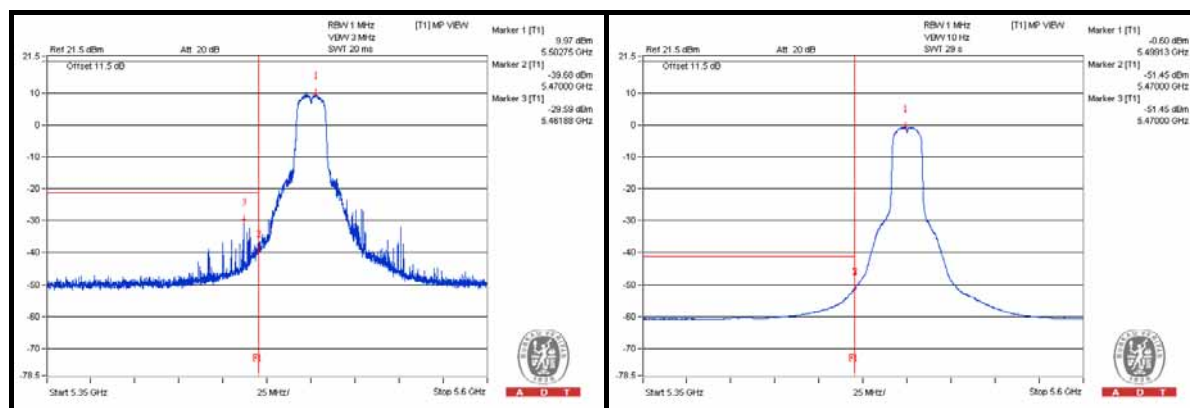
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5454.5625 PK	63.99	74	-10.01	4.76	-31.27
2	5459.875 AV	43.5	54	-10.5	4.76	-51.76
3	5461.875 PK	70.43	74	-3.57	4.76	-24.83
4	5470 AV	48.57	54	-5.43	4.76	-46.69

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11a - Channel 140

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3803.125 PK	51.16	74	-22.84	-48.86	4.76	-44.1
2	3790.625 AV	30	54	-24	-70.02	4.76	-65.26
3	7593.75 PK	51.19	74	-22.81	-48.83	4.76	-44.07
4	7600 AV	30.69	54	-23.31	-69.33	4.76	-64.57
5	11396.875 PK	53.66	74	-20.34	-46.36	4.76	-41.6
6	11400 AV	42.09	54	-11.91	-57.93	4.76	-53.17
7	17099.5 PK	52.09	74	-21.91	-47.93	4.76	-43.17
8	17096.625 AV	40.19	54	-13.81	-59.83	4.76	-55.07

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



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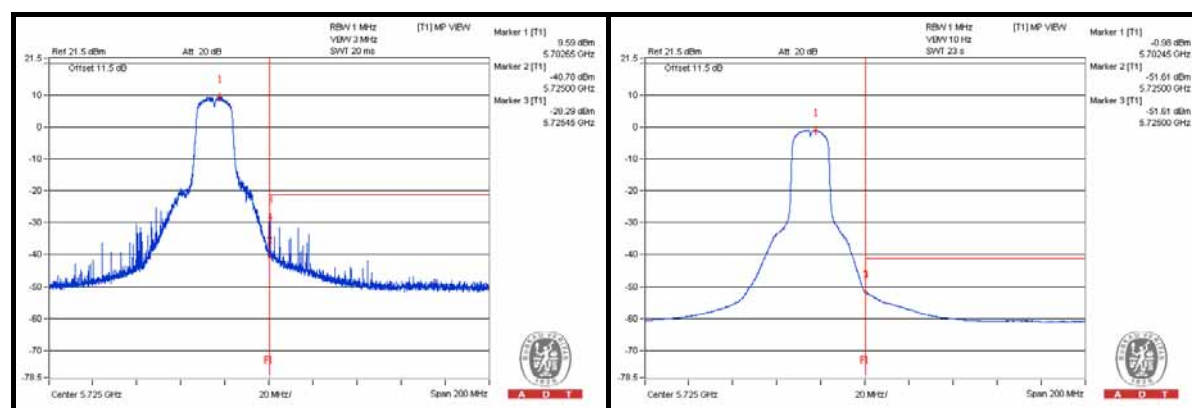
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5725.45 PK	71.73	74	-2.27	4.76	-23.53
2	5725 AV	48.41	54	-5.59	4.76	-46.85

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11ac (VHT20) - Channel 36

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3443.75 PK	49.29	74	-24.71	-49.05	3.08	-45.97
2	3453.125 AV	28.51	54	-25.49	-69.83	3.08	-66.75
3	6906.25 PK	51.09	74	-22.91	-47.25	3.08	-44.17
4	6906.25 AV	40.86	54	-13.14	-57.48	3.08	-54.4
5	10365.625 PK	57.25	74	-16.75	-41.09	3.08	-38.01
6	10356.25 AV	46.3	54	-7.7	-52.04	3.08	-48.96
7	15535.5 PK	49.5	74	-24.5	-48.84	3.08	-45.76
8	15532.625 AV	38.07	54	-15.93	-60.27	3.08	-57.19

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



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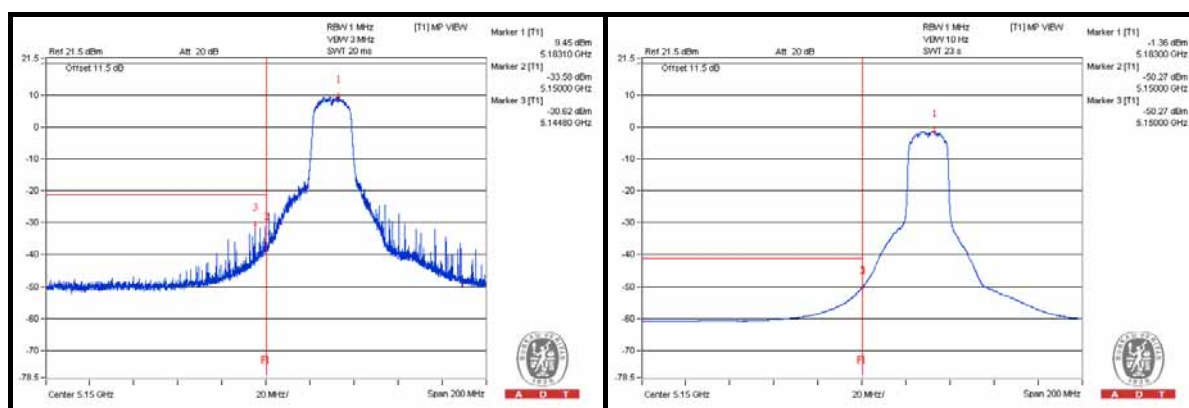
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5144.8 PK	67.72	74	-6.28	3.08	-27.54
2	5150 AV	48.07	54	-5.93	3.08	-47.19

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11av (VHT20) - Channel 64

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3537.5 PK	50.35	74	-23.65	-47.99	3.08	-44.91
2	3550 AV	29.38	54	-24.62	-68.96	3.08	-65.88
3	7096.875 PK	49.92	74	-24.08	-48.42	3.08	-45.34
4	7093.75 AV	33.14	54	-20.86	-65.2	3.08	-62.12
5	10643.75 PK	56.63	74	-17.37	-41.71	3.08	-38.63
6	10640.625 AV	45.86	54	-8.14	-52.48	3.08	-49.4
7	15952.375 PK	49.65	74	-24.35	-48.69	3.08	-45.61
8	15955.25 AV	37.5	54	-16.5	-60.84	3.08	-57.76

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



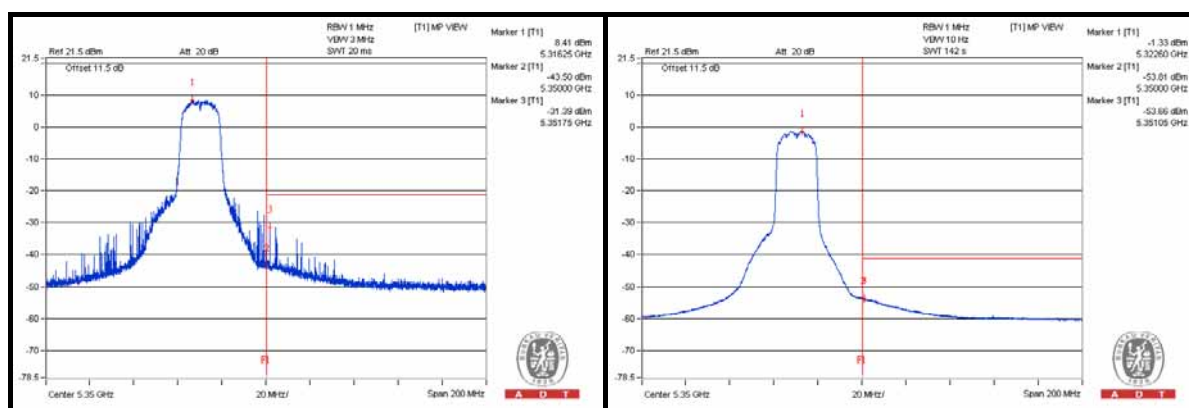
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5351.75 PK	66.95	74	-7.05	3.08	-28.31
2	5351.05 AV	44.68	54	-9.32	3.08	-50.58

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11ac (VHT20) - Channel 100

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3659.375 PK	52.65	74	-21.35	-47.37	4.76	-42.61
2	3662.5 AV	30.77	54	-23.23	-69.25	4.76	-64.49
3	7331.25 PK	51.48	74	-22.52	-48.54	4.76	-43.78
4	7334.375 AV	32.26	54	-21.74	-67.76	4.76	-63
5	11003.125 PK	59.52	74	-14.48	-40.5	4.76	-35.74
6	11000 AV	47.03	54	-6.97	-52.99	4.76	-48.23
7	16498.625 PK	50.87	74	-23.13	-49.15	4.76	-44.39
8	16490 AV	39.91	54	-14.09	-60.11	4.76	-55.35

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



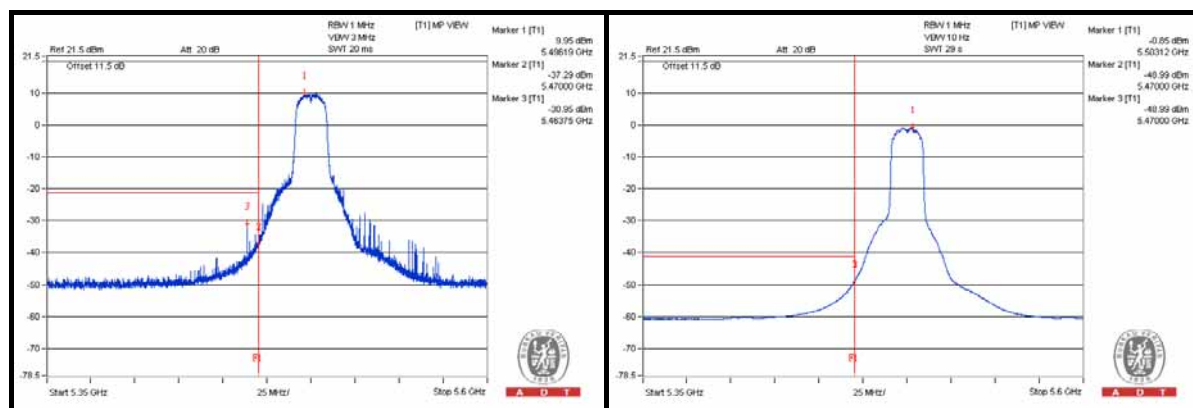
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5446.1875 PK	58.37	74	-15.63	4.76	-36.89
2	5460 AV	44.92	54	-9.08	4.76	-50.34
3	5463.75 PK	69.07	74	-4.93	4.76	-26.19
4	5470 AV	51.03	54	-2.97	4.76	-44.23

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11ac (VHT20) - Channel 140

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3790.625 PK	51.5	74	-22.5	-48.52	4.76	-43.76
2	3790.625 AV	30.27	54	-23.73	-69.75	4.76	-64.99
3	7596.875 PK	51.1	74	-22.9	-48.92	4.76	-44.16
4	7600 AV	30.55	54	-23.45	-69.47	4.76	-64.71
5	11403.125 PK	54.53	74	-19.47	-45.49	4.76	-40.73
6	11400 AV	41.92	54	-12.08	-58.1	4.76	-53.34
7	17102.375 PK	51.61	74	-22.39	-48.41	4.76	-43.65
8	17093.75 AV	40	54	-14	-60.02	4.76	-55.26

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



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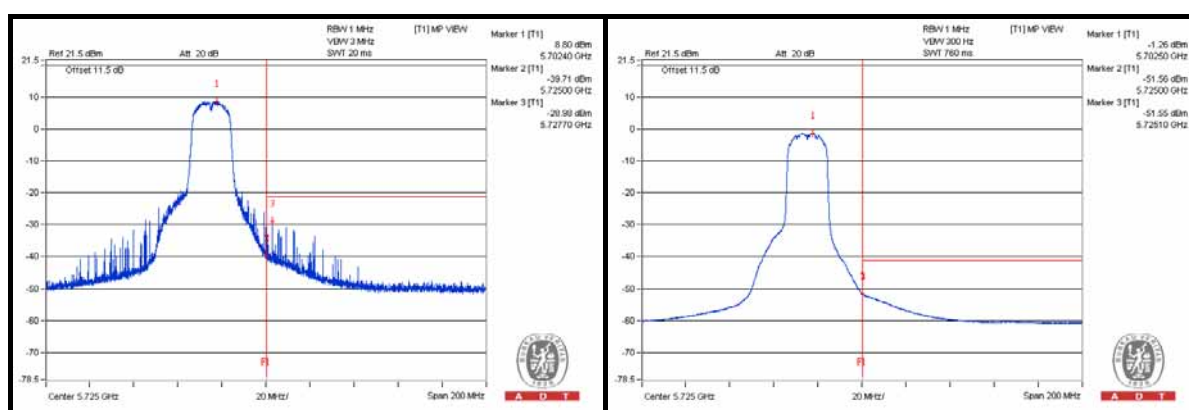
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5727.7 PK	71.04	74	-2.96	4.76	-24.22
2	5725.1 AV	48.47	54	-5.53	4.76	-46.79

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11ac (VHT40) - Channel 38

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3462.5 PK	49.64	74	-24.36	-48.7	3.08	-45.62
2	3456.25 AV	28.46	54	-25.54	-69.88	3.08	-66.8
3	6915.625 PK	50.92	74	-23.08	-47.42	3.08	-44.34
4	6918.75 AV	40.36	54	-13.64	-57.98	3.08	-54.9
5	10381.25 PK	55.79	74	-18.21	-42.55	3.08	-39.47
6	10381.25 AV	45.31	54	-8.69	-53.03	3.08	-49.95
7	15564.25 PK	49.22	74	-24.78	-49.12	3.08	-46.04
8	15570 AV	37.71	54	-16.29	-60.63	3.08	-57.55

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



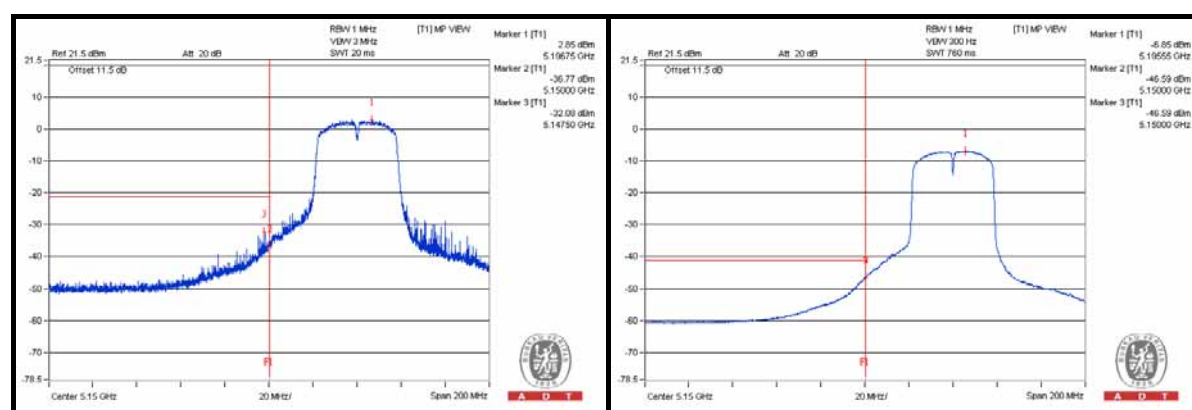
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5147.5 PK	66.26	74	-7.74	3.08	-29
2	5150 AV	51.75	54	-2.25	3.08	-43.51

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11ac (VHT40) - Channel 62

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3550 PK	50.43	74	-23.57	-47.91	3.08	-44.83
2	3543.75 AV	29.15	54	-24.85	-69.19	3.08	-66.11
3	7084.375 PK	49.99	74	-24.01	-48.35	3.08	-45.27
4	7081.25 AV	33.85	54	-20.15	-64.49	3.08	-61.41
5	10625 PK	54.6	74	-19.4	-43.74	3.08	-40.66
6	10621.875 AV	43.61	54	-10.39	-54.73	3.08	-51.65
7	15938 PK	49.67	74	-24.33	-48.67	3.08	-45.59
8	15926.5 AV	37.59	54	-16.41	-60.75	3.08	-57.67

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



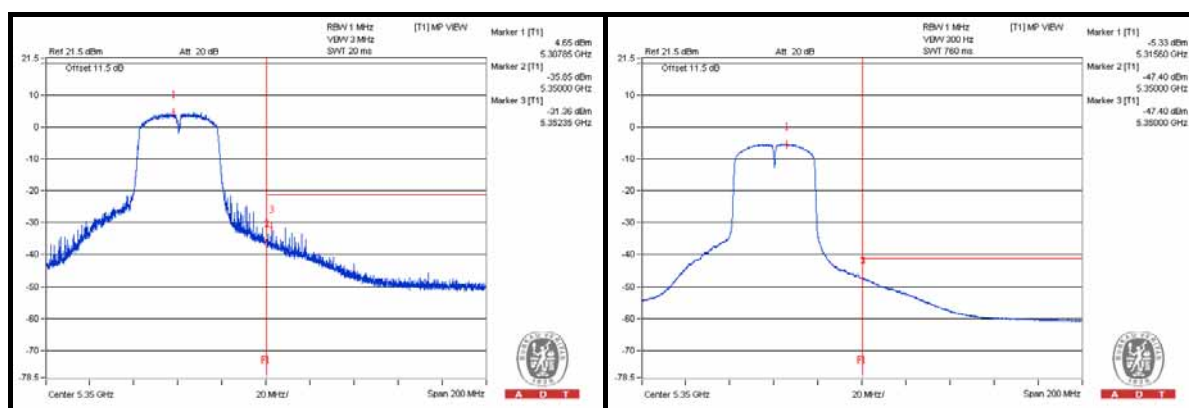
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5352.3 PK	69.55	74	-4.45	3.08	-25.71
2	5350.1 AV	50.54	54	-3.46	3.08	-44.72

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11ac (VHT40) - Channel 102

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3671.875 PK	51.81	74	-22.19	-48.21	4.76	-43.45
2	3671.875 AV	30.78	54	-23.22	-69.24	4.76	-64.48
3	7343.75 PK	52.04	74	-21.96	-47.98	4.76	-43.22
4	7346.875 AV	32.75	54	-21.25	-67.27	4.76	-62.51
5	11028.125 PK	56.43	74	-17.57	-43.59	4.76	-38.83
6	11021.875 AV	45.09	54	-8.91	-54.93	4.76	-50.17
7	16527.375 PK	50.16	74	-23.84	-49.86	4.76	-45.1
8	16524.5 AV	39.38	54	-14.62	-60.64	4.76	-55.88

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



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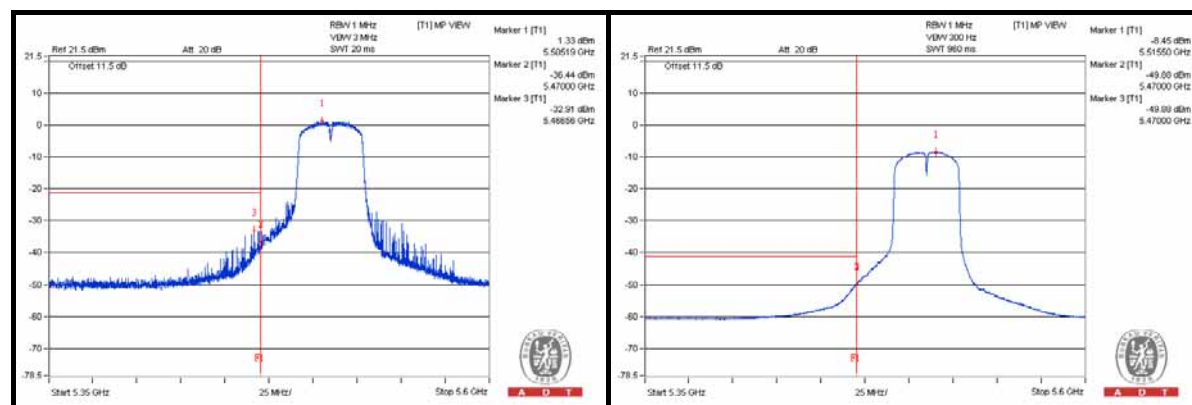
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5456.5 PK	61.65	74	-12.35	-38.37	4.76	-33.61
2	5460 AV	44.09	54	-9.91	-55.93	4.76	-51.17
3	5466.5625 PK	67.11	74	-6.89	-32.91	4.76	-28.15
4	5470 AV	50.14	54	-3.86	-49.88	4.76	-45.12

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11ac (VHT40) - Channel 134

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3771.875 PK	51.32	74	-22.68	-48.7	4.76	-43.94
2	3775 AV	30.54	54	-23.46	-69.48	4.76	-64.72
3	7550 PK	51.22	74	-22.78	-48.8	4.76	-44.04
4	7553.125 AV	30.68	54	-23.32	-69.34	4.76	-64.58
5	11343.75 PK	54.02	74	-19.98	-46	4.76	-41.24
6	11340.625 AV	42.38	54	-11.62	-57.64	4.76	-52.88
7	17016.125 PK	52.12	74	-21.88	-47.9	4.76	-43.14
8	17013.25 AV	40.88	54	-13.12	-59.14	4.76	-54.38

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



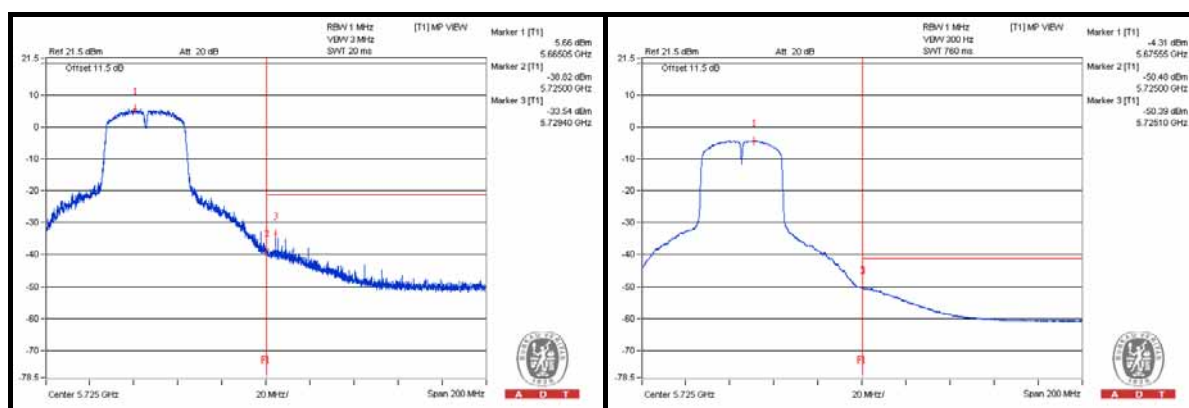
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5729.4 PK	66.48	74	-7.52	4.76	-28.78
2	5725.1 AV	49.63	54	-4.37	4.76	-45.63

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11ac (VHT80) - Channel 42

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3465.625 PK	50.59	74	-23.41	-49.43	4.76	-44.67
2	3481.25 AV	30.08	54	-23.92	-69.94	4.76	-65.18
3	6940.625 PK	51.71	74	-22.29	-48.31	4.76	-43.55
4	6946.875 AV	40.67	54	-13.33	-59.35	4.76	-54.59
5	10425 PK	55.65	74	-18.35	-44.37	4.76	-39.61
6	10421.875 AV	44.47	54	-9.53	-55.55	4.76	-50.79
7	15624.625 PK	50.09	74	-23.91	-49.93	4.76	-45.17
8	15630.375 AV	38.74	54	-15.26	-61.28	4.76	-56.52

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



Bandedge table

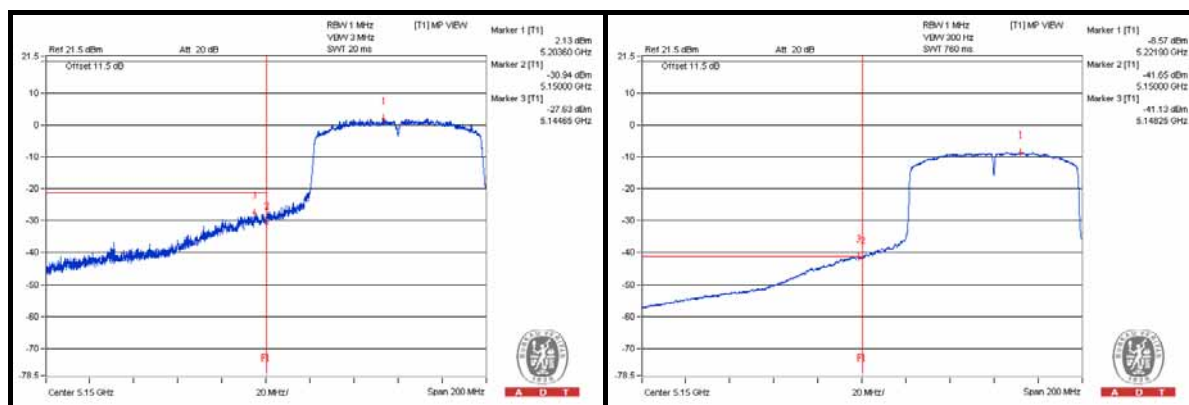
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5144.65 PK	70.71	74	-3.29	3.08	-24.55
2	5148.25 AV	57.21	54	* 3.21	3.08	-38.05

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)



802.11ac (VHT80) - Channel 58

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3528.125 PK	53.44	74	-20.56	-46.58	4.76	-41.82
2	3525 AV	30.89	54	-23.11	-69.13	4.76	-64.37
3	7050 PK	51.76	74	-22.24	-48.26	4.76	-43.5
4	7053.125 AV	36.9	54	-17.1	-63.12	4.76	-58.36
5	10587.5 PK	55.31	74	-18.69	-44.71	4.76	-39.95
6	10581.25 AV	42.77	54	-11.23	-57.25	4.76	-52.49
7	15877.625 PK	50.95	74	-23.05	-49.07	4.76	-44.31
8	15866.125 AV	39.88	54	-14.12	-60.14	4.76	-55.38

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



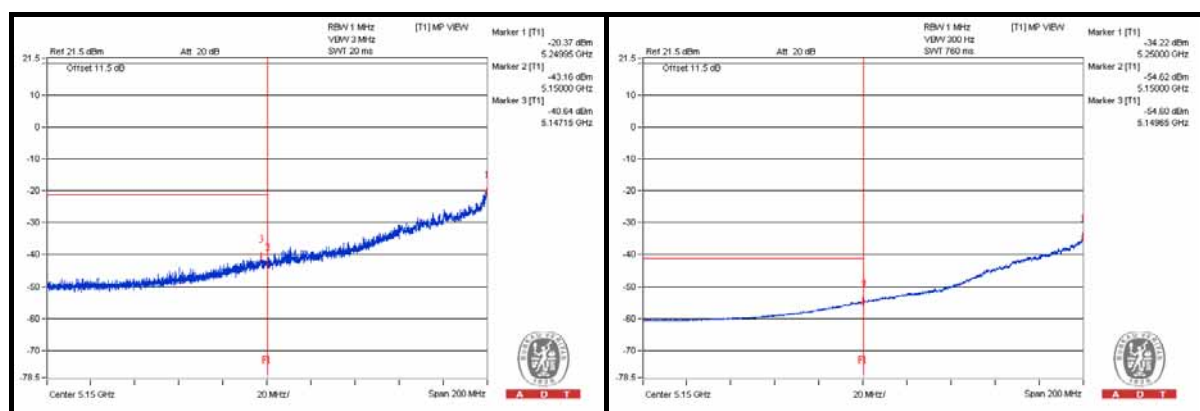
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	5363.95 PK	65.85	74	-8.15	-32.49	3.08	-29.41
2	5350 AV	50.75	54	-3.25	-47.59	3.08	-44.51

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11ac (VHT80) - Channel 106

Conducted spurious emission table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)	Correction Factor (dB)	EIRP Level (dBm)
1	3687.5 PK	53.03	74	-20.97	-46.99	4.76	-42.23
2	3684.375 AV	30.49	54	-23.51	-69.53	4.76	-64.77
3	7378.125 PK	52.42	74	-21.58	-47.6	4.76	-42.84
4	7371.875 AV	32.25	54	-21.75	-67.77	4.76	-63.01
5	11062.5 PK	54.17	74	-19.83	-45.85	4.76	-41.09
6	11062.5 AV	42.57	54	-11.43	-57.45	4.76	-52.69
7	16590.625 PK	49.41	74	-24.59	-50.61	4.76	-45.85
8	16587.75 AV	38.3	54	-15.7	-61.72	4.76	-56.96

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



Bandedge table

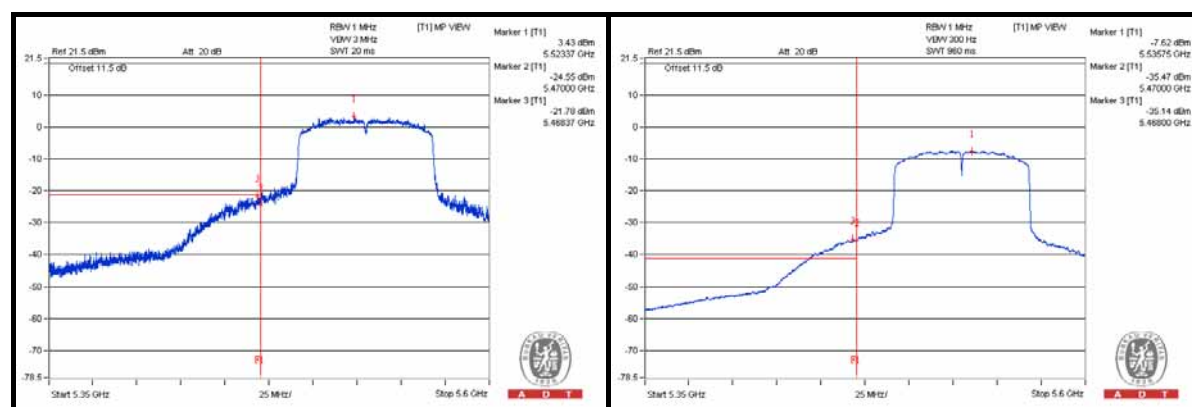
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5458.5 PK	77.25	74	* 3.25	4.76	-18.01
2	5460 AV	63.58	54	* 9.58	4.76	-31.68
3	5468.375 PK	78.24	74	* 4.24	4.76	-17.02
4	5468 AV	64.88	54	* 10.88	4.76	-30.38

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)



802.11ac (VHT80) - Channel 122

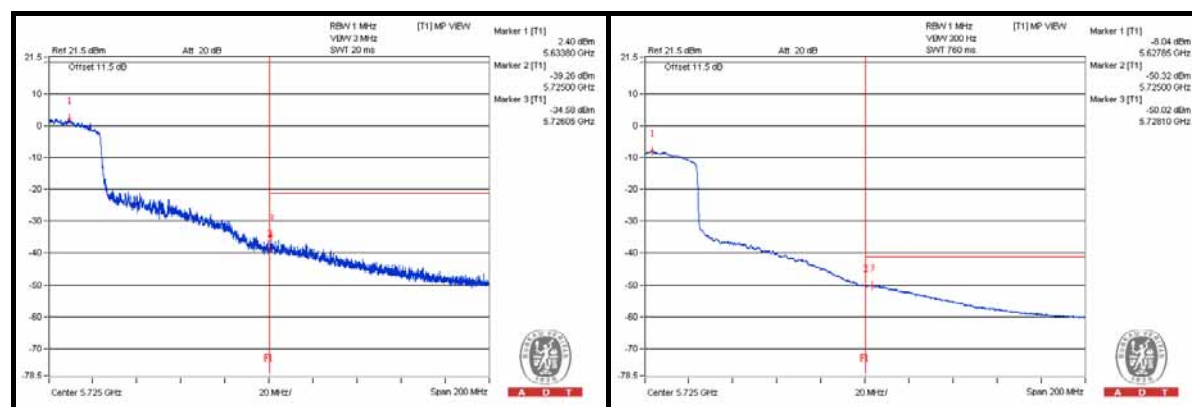
Bandedge table

No.	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5726.05 PK	65.44	74	-8.56	4.76	-29.82
2	5728.1 AV	50	54	-4	4.76	-45.26

Note :

Emission Level (dBUV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.



802.11ac (VHT80) - Channel 138

Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Correction Factor (dB)	EIRP Level (dBm)
1	5851.3 PK	57.37	74	-16.63	4.76	-37.89
2	5850.025 AV	44.29	54	-9.71	4.76	-50.97

Note :

Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

