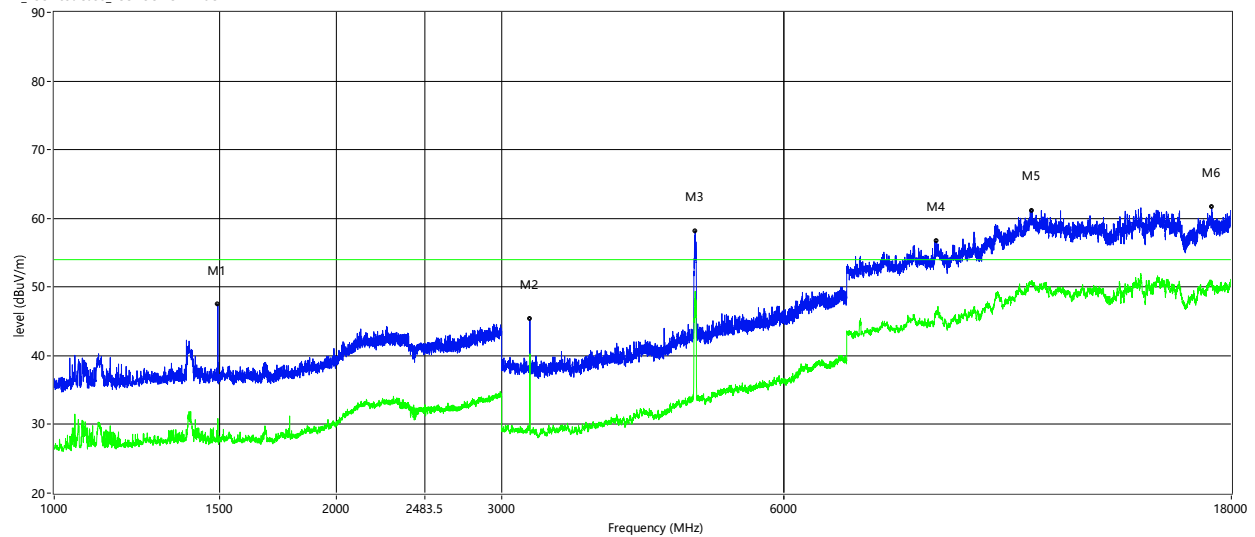




802.11 g mode
HARMONICS AND SPURIOUS EMISSIONS (01 CHANNEL, HORIZONTAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1494.500	47.50	30.87	-0.56	74.0	54.0	-23.13	Horizontal	Pass
3215.000	45.32	39.69	-12.14	74.0	54.0	-14.31	Horizontal	Pass
4825.000	58.15	49.39	-6.83	74.0	54.0	-4.61	Horizontal	Pass
8729.750	56.70	46.44	5.07	74.0	54.0	-7.56	Horizontal	Pass
11034.250	61.15	50.91	10.04	74.0	54.0	-3.09	Horizontal	Pass
17153.000	61.61	50.81	10.18	74.0	54.0	-3.19	Horizontal	Pass

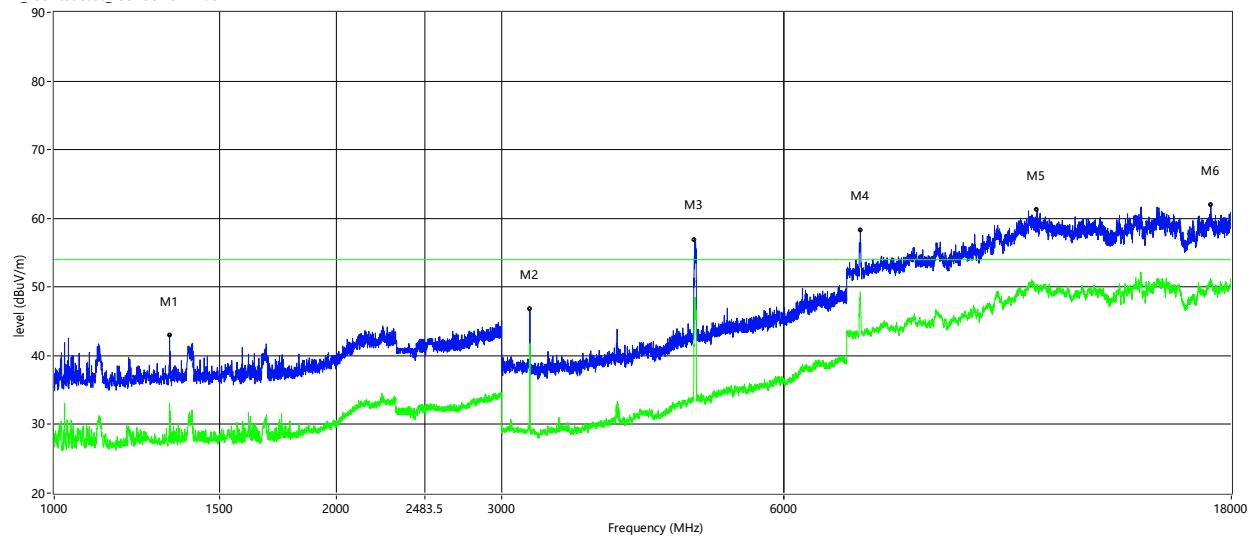
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (01 CHANNEL, VERTICAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1327.500	42.93	33.06	-0.86	74.0	54.0	-20.94	Vertical	Pass
3215.000	46.71	41.29	-12.14	74.0	54.0	-12.71	Vertical	Pass
4819.000	56.88	47.55	-6.87	74.0	54.0	-6.45	Vertical	Pass
7239.250	58.29	49.31	2.95	74.0	54.0	-4.69	Vertical	Pass
11171.750	61.24	49.73	9.62	74.0	54.0	-4.27	Vertical	Pass
17114.500	61.94	50.84	10.40	74.0	54.0	-3.16	Vertical	Pass

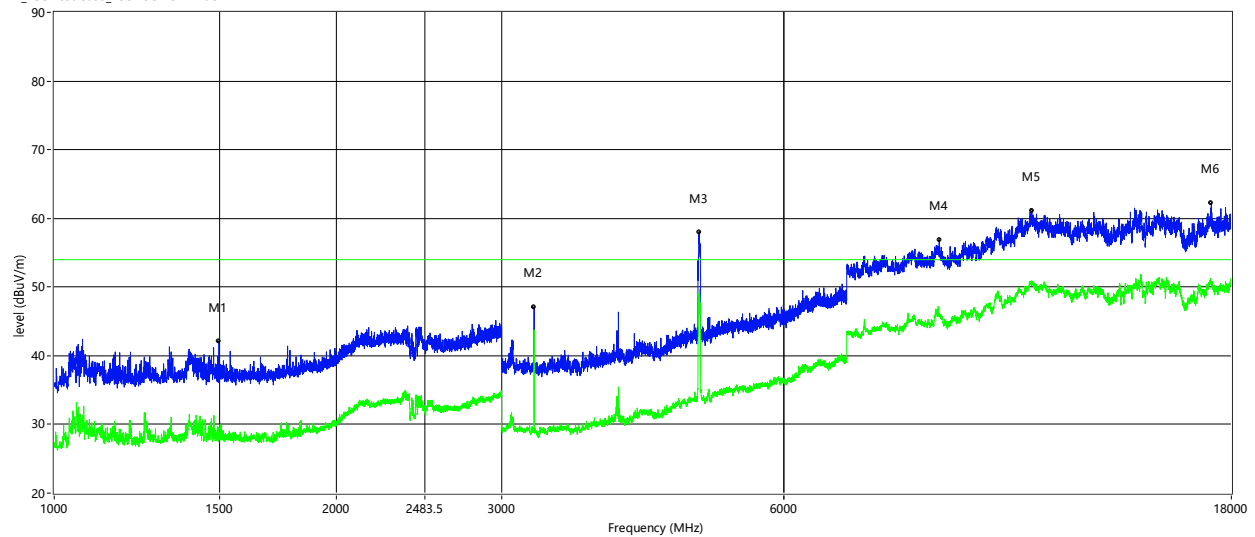
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (06 CHANNEL, HORIZONTAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1498.000	42.05	29.55	-0.56	74.0	54.0	-24.45	Horizontal	Pass
3249.000	47.11	43.76	-12.18	74.0	54.0	-10.24	Horizontal	Pass
4875.000	57.96	48.73	-6.54	74.0	54.0	-5.27	Horizontal	Pass
8784.750	56.86	46.00	4.90	74.0	54.0	-8.00	Horizontal	Pass
11028.750	61.08	50.92	10.06	74.0	54.0	-3.08	Horizontal	Pass
17133.750	62.22	50.45	10.29	74.0	54.0	-3.55	Horizontal	Pass

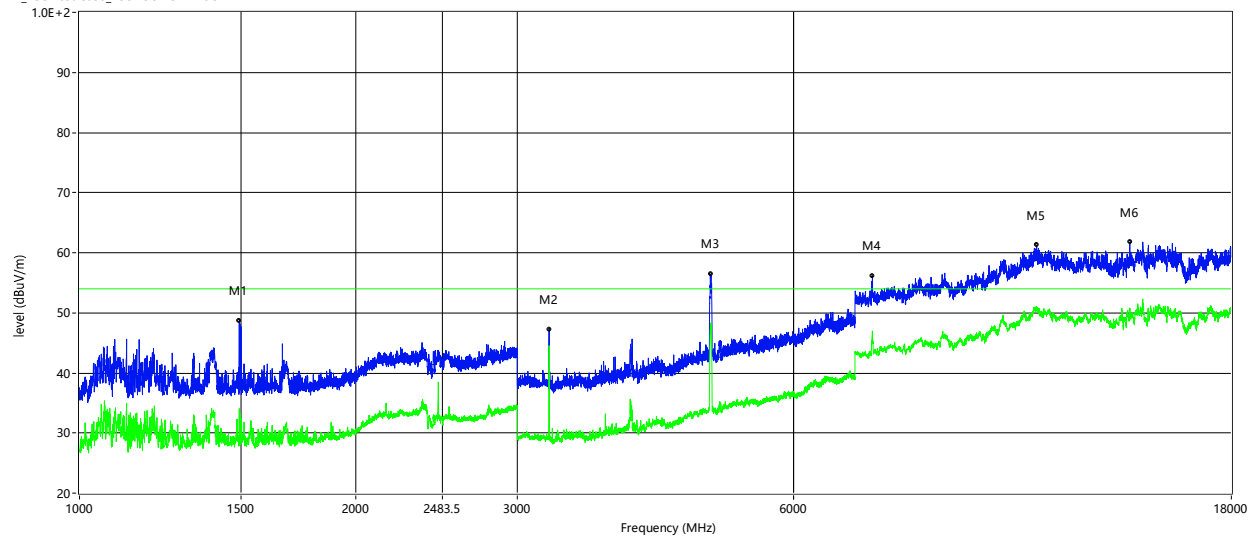
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (06 CHANNEL, VERTICAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1493.000	48.66	34.05	-0.56	74.0	54.0	-19.95	Vertical	Pass
3249.000	47.21	44.53	-12.18	74.0	54.0	-9.47	Vertical	Pass
4872.000	56.44	47.76	-6.56	74.0	54.0	-6.24	Vertical	Pass
7313.500	56.16	46.93	3.35	74.0	54.0	-7.07	Vertical	Pass
11045.250	61.22	50.69	9.98	74.0	54.0	-3.31	Vertical	Pass
13949.250	61.71	50.01	10.38	74.0	54.0	-3.99	Vertical	Pass

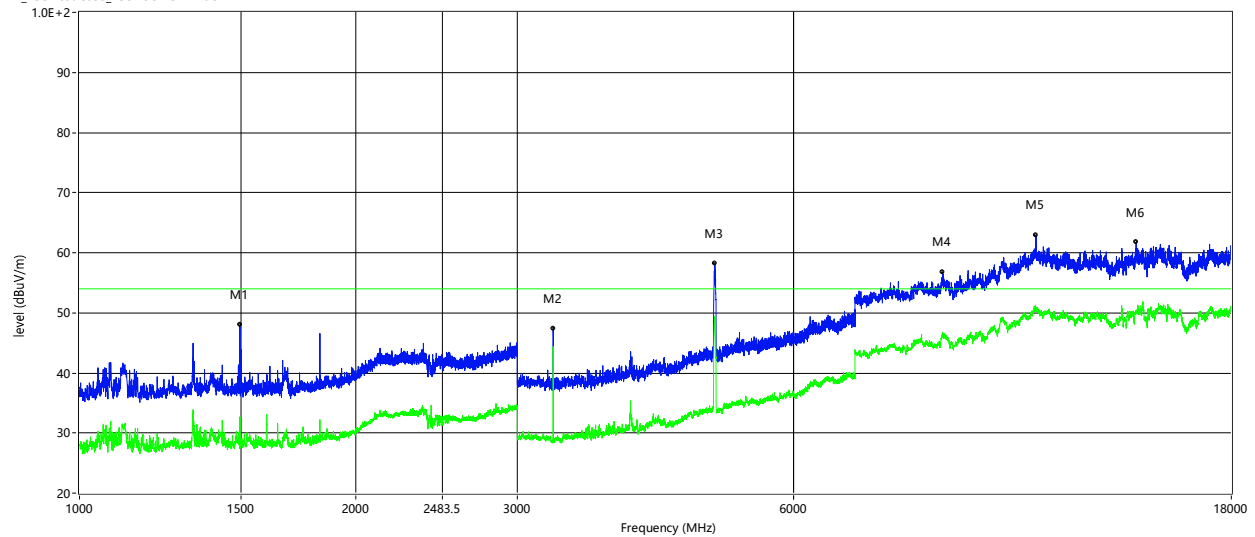
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (11 CHANNEL, HORIZONTAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



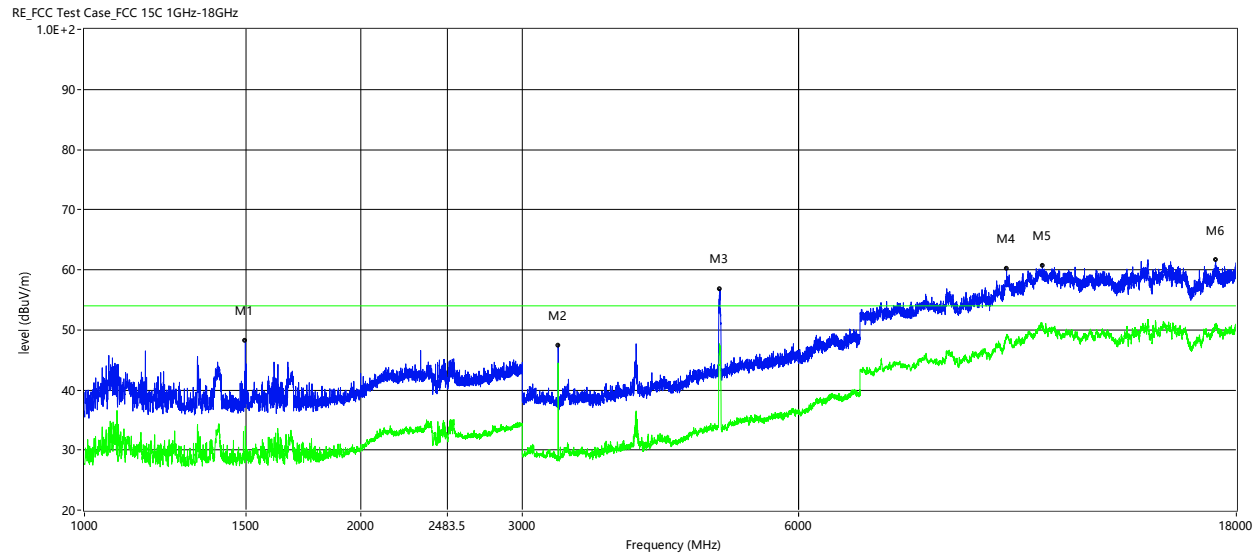
Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1495.500	48.00	32.69	-0.56	74.0	54.0	-21.31	Horizontal	Pass
3282.000	47.36	44.41	-12.22	74.0	54.0	-9.59	Horizontal	Pass
4924.000	58.17	49.39	-6.39	74.0	54.0	-4.61	Horizontal	Pass
8724.250	56.72	46.20	5.08	74.0	54.0	-7.80	Horizontal	Pass
11026.000	62.89	50.86	10.08	74.0	54.0	-3.14	Horizontal	Pass
14172.000	61.71	50.03	11.13	74.0	54.0	-3.97	Horizontal	Pass

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (11 CHANNEL, VERTICAL)



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1497.000	48.25	33.99	-0.56	74.0	54.0	-20.01	Vertical	Pass
3282.000	47.40	44.49	-12.22	74.0	54.0	-9.51	Vertical	Pass
4926.000	56.78	47.29	-6.39	74.0	54.0	-6.71	Vertical	Pass
10113.000	60.16	49.27	7.17	74.0	54.0	-4.73	Vertical	Pass
11061.750	60.66	50.69	9.89	74.0	54.0	-3.31	Vertical	Pass
17087.000	61.54	50.59	10.39	74.0	54.0	-3.41	Vertical	Pass

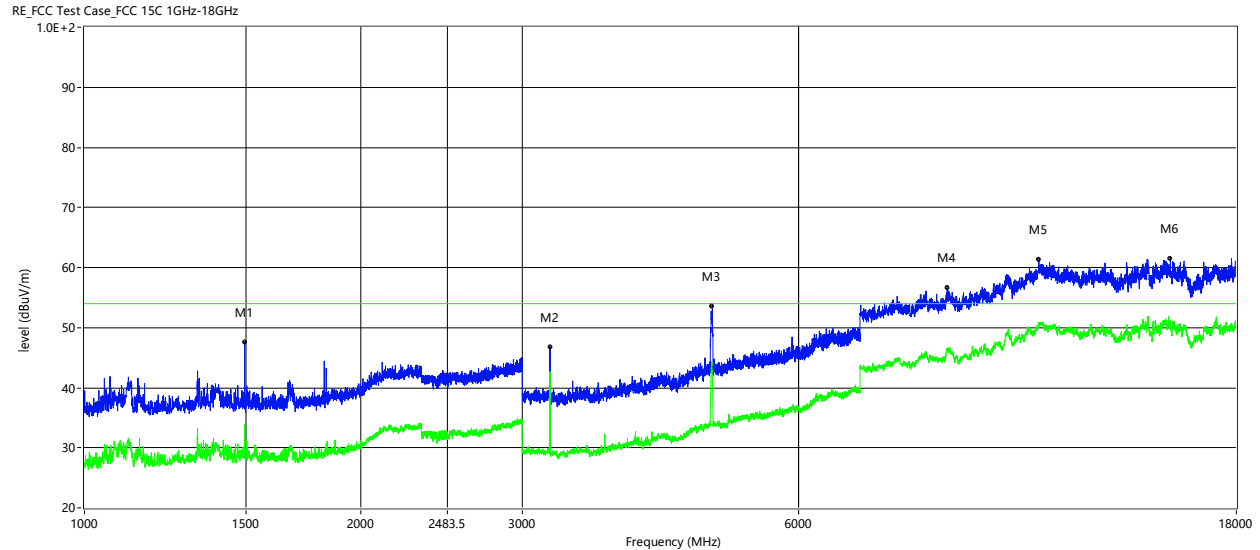
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



802.11 n20 mode

HARMONICS AND SPURIOUS EMISSIONS (01 CHANNEL, HORIZONTAL)



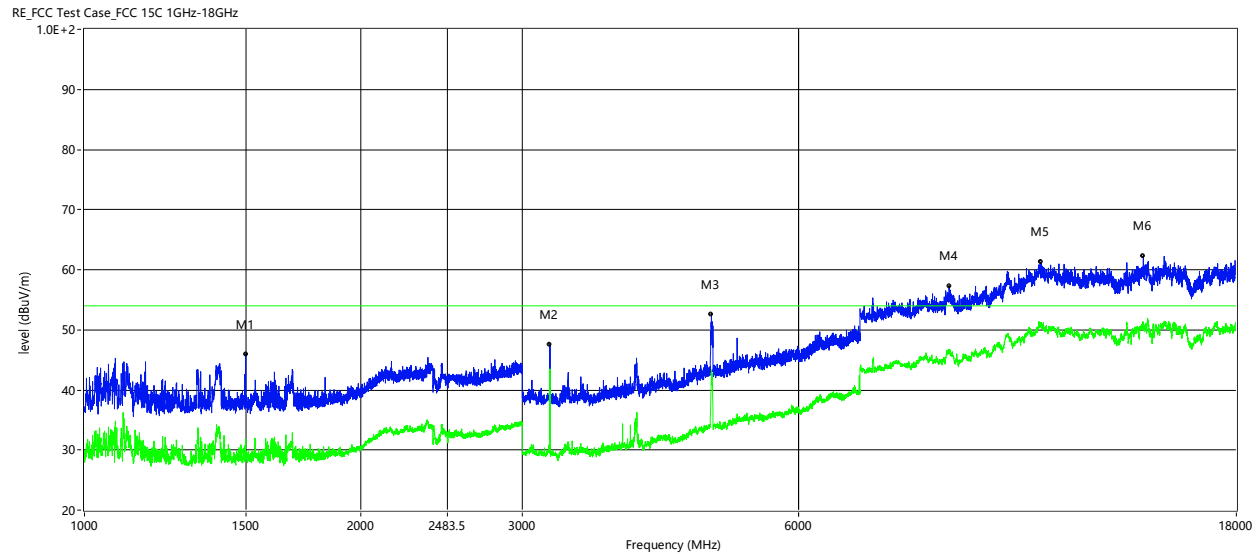
Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1494.500	47.50	33.92	-0.56	74.0	54.0	-20.08	Horizontal	Pass
3216.000	46.76	42.67	-12.14	74.0	54.0	-11.33	Horizontal	Pass
4832.000	53.59	42.14	-6.79	74.0	54.0	-11.86	Horizontal	Pass
8713.250	56.62	46.30	5.12	74.0	54.0	-7.70	Horizontal	Pass
10965.500	61.24	50.85	9.95	74.0	54.0	-3.15	Horizontal	Pass
15252.750	61.41	50.16	10.48	74.0	54.0	-3.84	Horizontal	Pass

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (01 CHANNEL, VERTICAL)



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1498.500	45.92	31.82	-0.56	74.0	54.0	-22.18	Vertical	Pass
3215.000	47.55	42.85	-12.14	74.0	54.0	-11.15	Vertical	Pass
4822.000	52.53	42.84	-6.85	74.0	54.0	-11.16	Vertical	Pass
8754.500	57.20	46.54	4.99	74.0	54.0	-7.46	Vertical	Pass
11006.750	61.24	50.20	10.18	74.0	54.0	-3.80	Vertical	Pass
14251.750	62.21	50.40	11.20	74.0	54.0	-3.60	Vertical	Pass

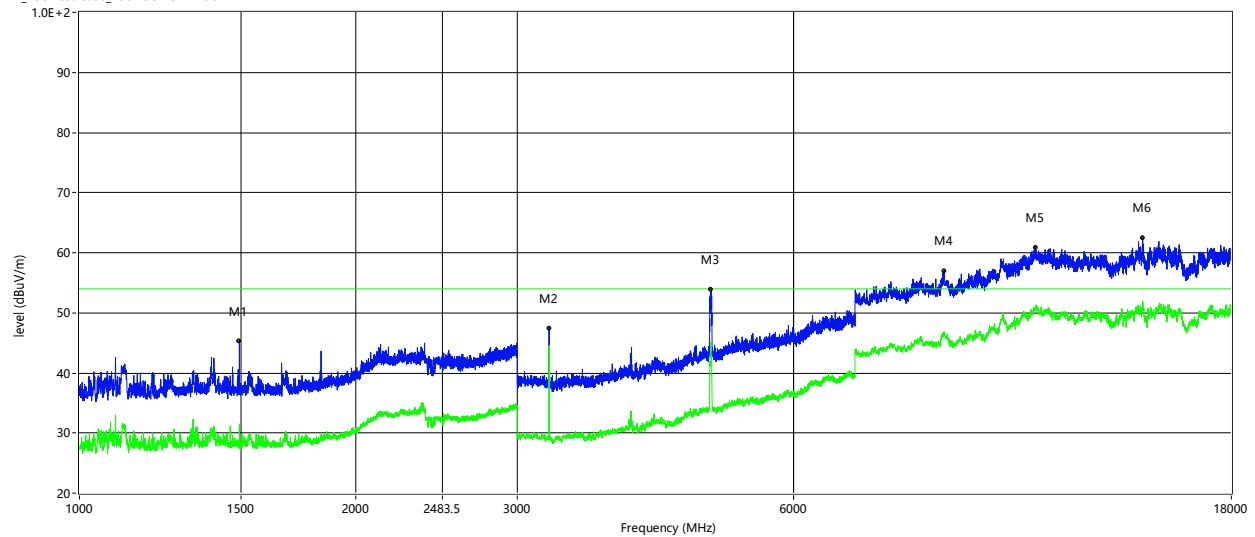
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (06 CHANNEL, HORIZONTAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1493.500	45.31	31.45	-0.56	74.0	54.0	-22.55	Horizontal	Pass
3249.000	47.37	44.54	-12.18	74.0	54.0	-9.46	Horizontal	Pass
4881.000	53.89	42.59	-6.50	74.0	54.0	-11.41	Horizontal	Pass
8754.500	56.92	46.51	4.99	74.0	54.0	-7.49	Horizontal	Pass
11009.500	60.85	50.64	10.17	74.0	54.0	-3.36	Horizontal	Pass
14408.500	62.43	50.38	11.32	74.0	54.0	-3.62	Horizontal	Pass

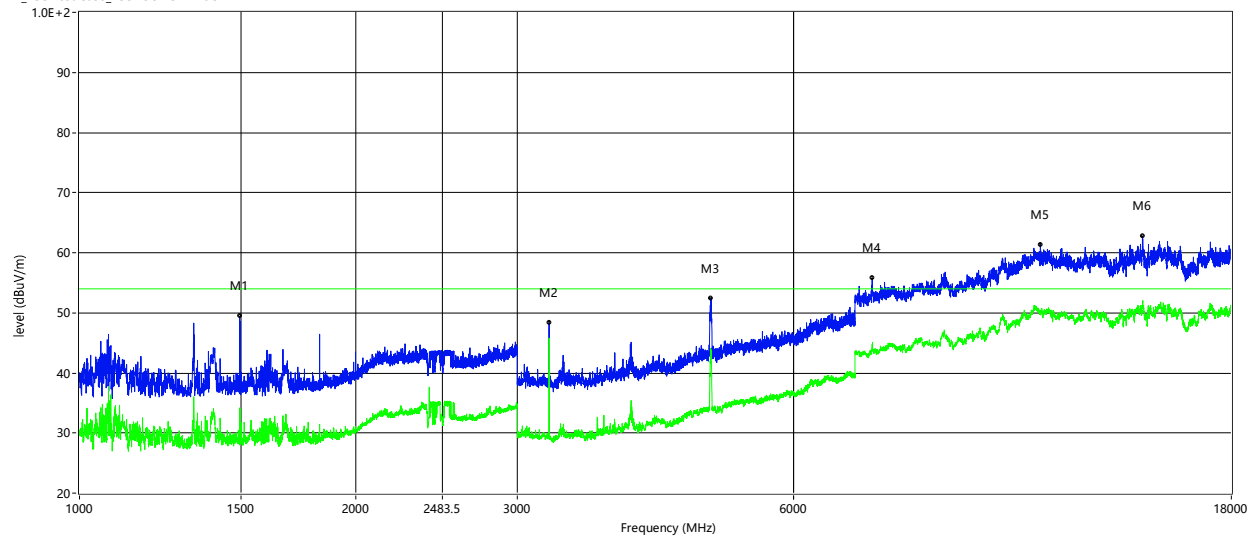
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (06 CHANNEL, VERTICAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1494.500	49.45	34.17	-0.56	74.0	54.0	-19.83	Vertical	Pass
3249.000	48.36	45.79	-12.18	74.0	54.0	-8.21	Vertical	Pass
4876.000	52.47	43.86	-6.53	74.0	54.0	-10.14	Vertical	Pass
7308.000	55.73	44.66	3.37	74.0	54.0	-9.34	Vertical	Pass
11147.000	61.35	49.99	9.64	74.0	54.0	-4.01	Vertical	Pass
14400.250	62.76	50.59	11.42	74.0	54.0	-3.41	Vertical	Pass

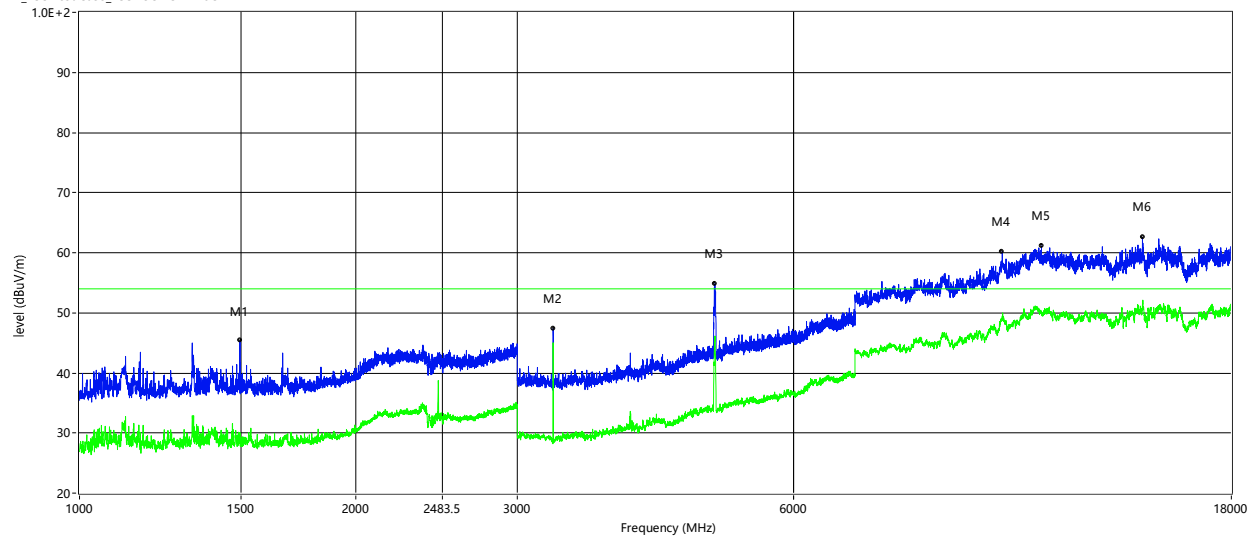
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (11 CHANNEL, HORIZONTAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1495.500	45.36	30.10	-0.56	74.0	54.0	-23.90	Horizontal	Pass
3282.000	47.37	45.02	-12.22	74.0	54.0	-8.98	Horizontal	Pass
4925.000	54.84	45.32	-6.39	74.0	54.0	-8.68	Horizontal	Pass
10129.500	60.23	49.48	7.16	74.0	54.0	-4.52	Horizontal	Pass
11177.250	61.13	49.96	9.62	74.0	54.0	-4.04	Horizontal	Pass
14400.250	62.54	50.44	11.42	74.0	54.0	-3.56	Horizontal	Pass

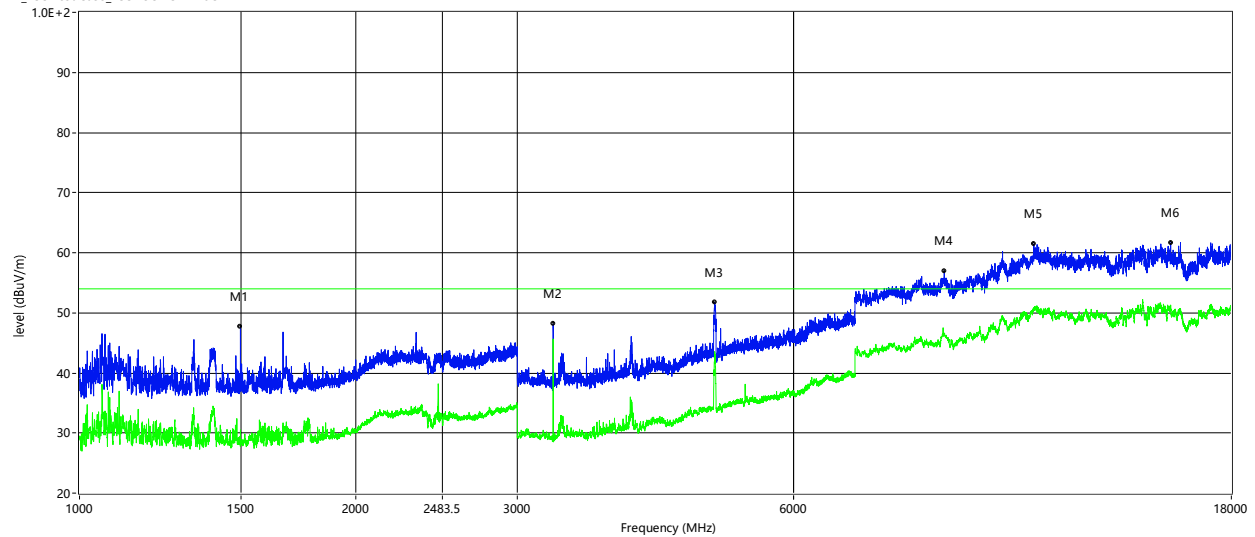
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (11 CHANNEL, VERTICAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1497.500	47.64	30.53	-0.56	74.0	54.0	-23.47	Vertical	Pass
3282.000	48.14	45.65	-12.22	74.0	54.0	-8.35	Vertical	Pass
4922.000	51.73	43.13	-6.39	74.0	54.0	-10.87	Vertical	Pass
8757.250	57.00	46.23	4.98	74.0	54.0	-7.77	Vertical	Pass
10965.500	61.47	50.52	9.95	74.0	54.0	-3.48	Vertical	Pass
15456.250	61.64	50.30	10.78	74.0	54.0	-3.70	Vertical	Pass

Remark:

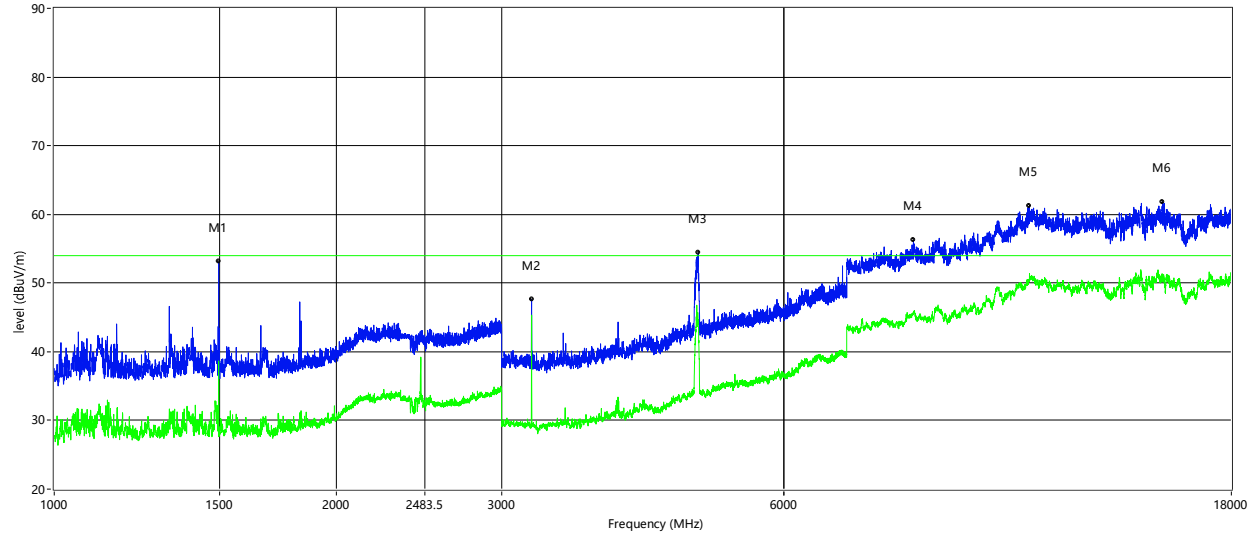
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



802.11 n40 mode

HARMONICS AND SPURIOUS EMISSIONS (03 CHANNEL, HORIZONTAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1497.500	53.10	38.66	-0.56	74.0	54.0	-15.34	Horizontal	Pass
3229.000	47.57	45.34	-12.15	74.0	54.0	-8.66	Horizontal	Pass
4862.000	54.40	44.29	-6.61	74.0	54.0	-9.71	Horizontal	Pass
8245.750	56.26	45.56	4.22	74.0	54.0	-8.44	Horizontal	Pass
10954.500	61.20	50.36	9.87	74.0	54.0	-3.64	Horizontal	Pass
15197.750	61.82	50.96	11.03	74.0	54.0	-3.04	Horizontal	Pass

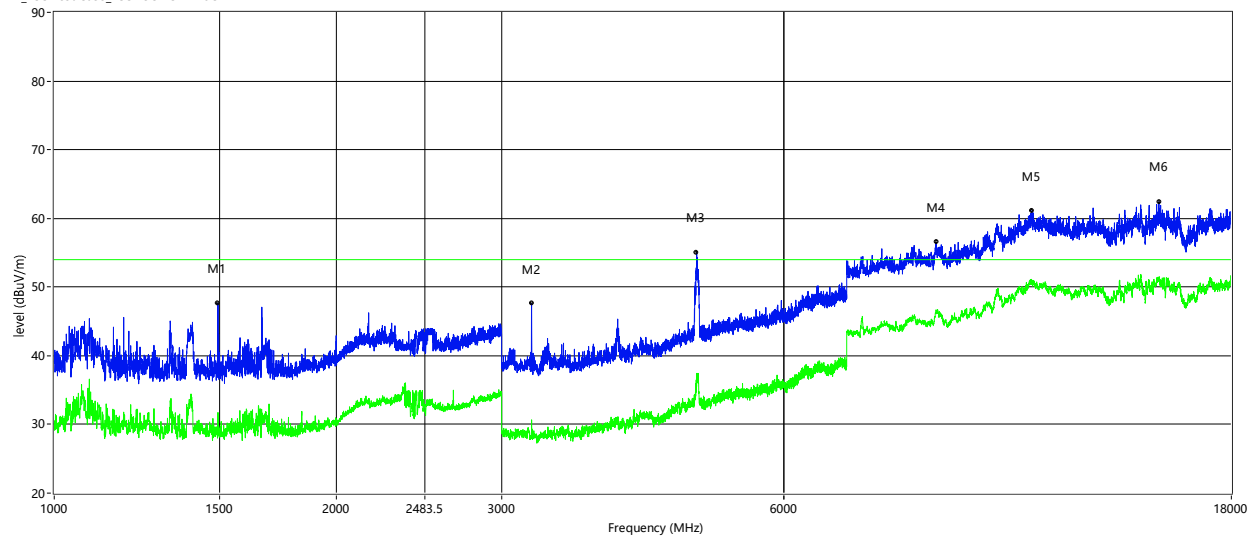
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (03 CHANNEL, VERTICAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1495.000	47.69	31.75	-0.56	74.0	54.0	-22.25	Vertical	Pass
3229.000	47.59	30.67	-12.15	74.0	54.0	-23.33	Vertical	Pass
4843.000	55.04	36.99	-6.73	74.0	54.0	-17.01	Vertical	Pass
8718.750	56.50	46.65	5.10	74.0	54.0	-7.35	Vertical	Pass
11028.750	61.10	50.99	10.06	74.0	54.0	-3.01	Vertical	Pass
15065.750	62.41	50.03	10.34	74.0	54.0	-3.97	Vertical	Pass

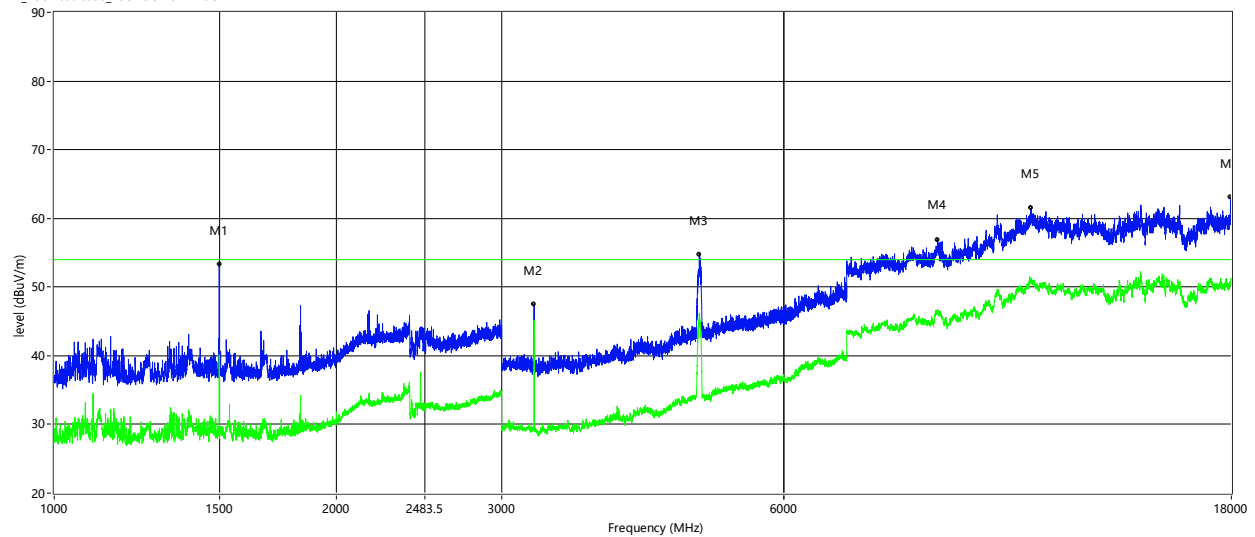
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (06 CHANNEL, HORIZONTAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1499.500	53.28	40.16	-0.56	74.0	54.0	-13.84	Horizontal	Pass
3248.000	47.48	40.05	-12.18	74.0	54.0	-13.95	Horizontal	Pass
4874.000	54.66	46.21	-6.54	74.0	54.0	-7.79	Horizontal	Pass
8751.750	56.89	46.48	5.00	74.0	54.0	-7.52	Horizontal	Pass
11004.000	61.50	50.28	10.20	74.0	54.0	-3.72	Horizontal	Pass
17961.501	63.07	50.76	11.24	74.0	54.0	-3.24	Horizontal	Pass

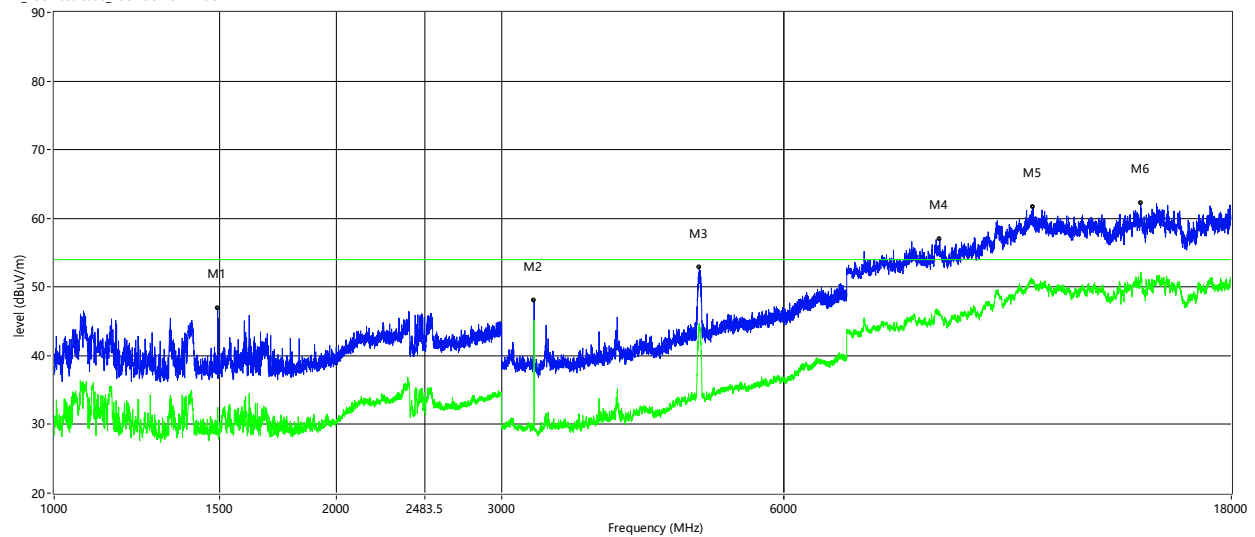
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (06 CHANNEL, VERTICAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1494.000	46.95	32.49	-0.56	74.0	54.0	-21.51	Vertical	Pass
3249.000	47.99	45.14	-12.18	74.0	54.0	-8.86	Vertical	Pass
4874.000	52.88	44.45	-6.54	74.0	54.0	-9.55	Vertical	Pass
8798.500	56.92	45.88	4.85	74.0	54.0	-8.12	Vertical	Pass
11059.000	61.62	50.11	9.90	74.0	54.0	-3.89	Vertical	Pass
14408.500	62.18	50.88	11.32	74.0	54.0	-3.12	Vertical	Pass

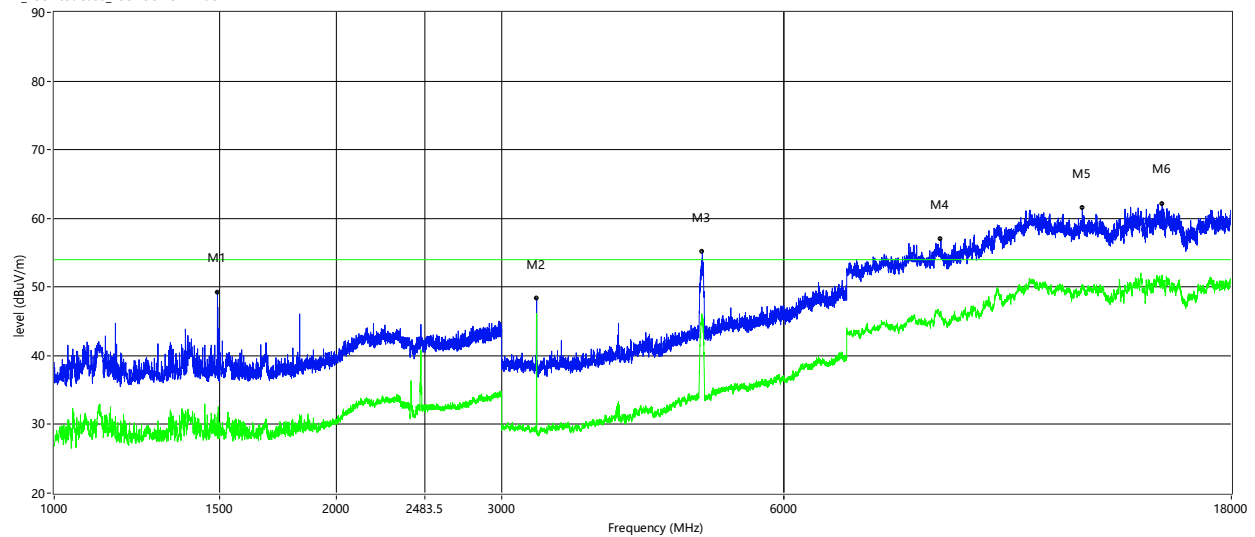
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (09 CHANNEL, HORIZONTAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1493.000	49.26	31.65	-0.56	74.0	54.0	-22.35	Horizontal	Pass
3269.000	48.31	46.13	-12.20	74.0	54.0	-7.87	Horizontal	Pass
4911.000	55.13	45.41	-6.39	74.0	54.0	-8.59	Horizontal	Pass
8820.500	56.97	46.48	4.72	74.0	54.0	-7.52	Horizontal	Pass
12483.500	61.45	50.18	8.81	74.0	54.0	-3.82	Horizontal	Pass
15189.500	62.15	50.26	10.96	74.0	54.0	-3.74	Horizontal	Pass

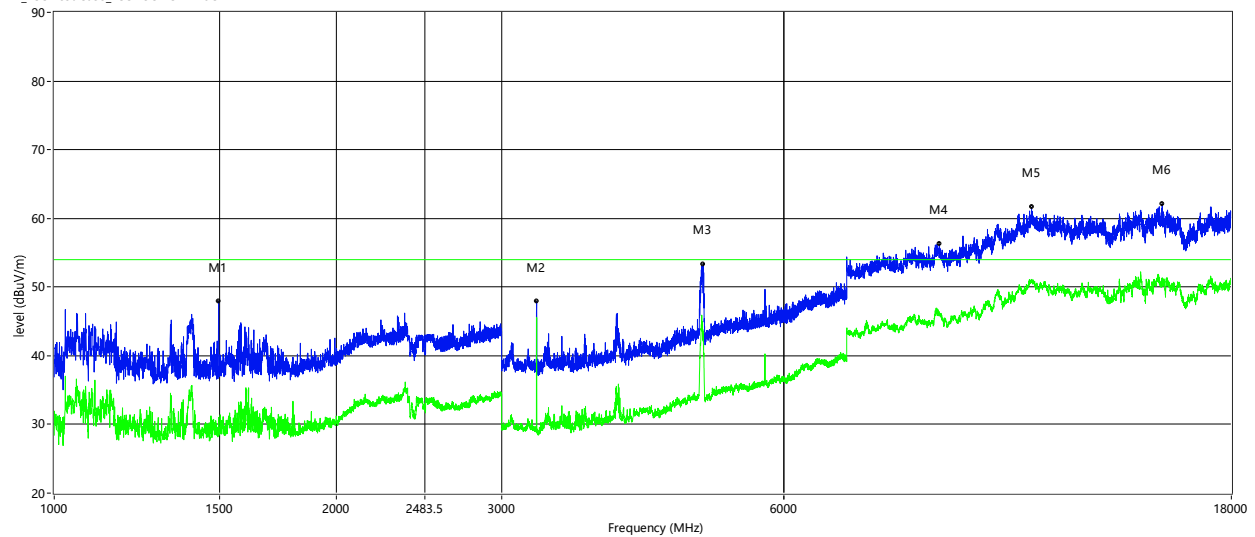
Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



HARMONICS AND SPURIOUS EMISSIONS (09 CHANNEL, VERTICAL)

RE_FCC Test Case_FCC 15C 1GHz-18GHz



Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	Over Limit (dB)	ANT	Verdict
1497.500	47.95	31.01	-0.56	74.0	54.0	-22.99	Vertical	Pass
3269.000	47.90	45.56	-12.20	74.0	54.0	-8.44	Vertical	Pass
4922.000	53.37	42.78	-6.39	74.0	54.0	-11.22	Vertical	Pass
8790.250	56.28	45.85	4.88	74.0	54.0	-8.15	Vertical	Pass
11020.500	61.63	50.96	10.11	74.0	54.0	-3.04	Vertical	Pass
15189.500	62.07	50.34	10.96	74.0	54.0	-3.66	Vertical	Pass

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier + BRF Factor.
2. Margin = Limit - Emission Level
3. Tests were performed in three frequency range 1GHz~3GHz, 3GHz~13GHz, 13GHz~18GHz.
4. Above 18GHz emissions are mainly from the environment noise, not show in report.



9.4. SPURIOUS EMISSIONS BELOW 30M

Freq.	Reading	Limit	Margin	State	Test Result
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F	
--	--	--	--	--	PASS
--	--	--	--	--	PASS

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance/test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

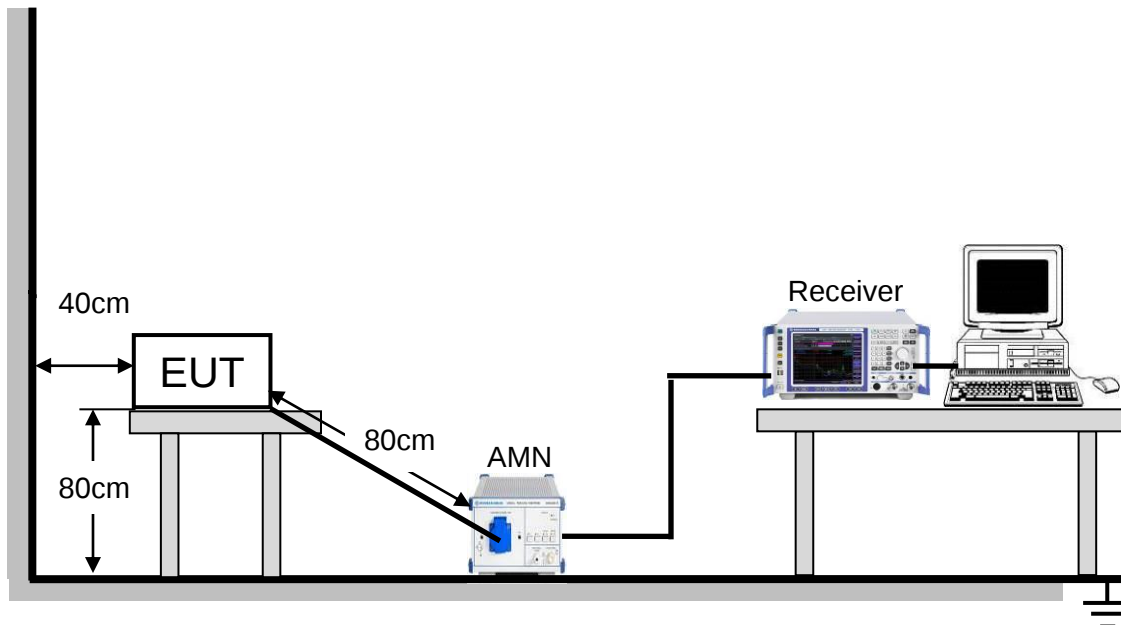
10. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

Please refer to FCC §15.207 (a) and RSS-Gen Clause 8.8

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

TEST SETUP AND PROCEDURE



The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 7 and 13 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

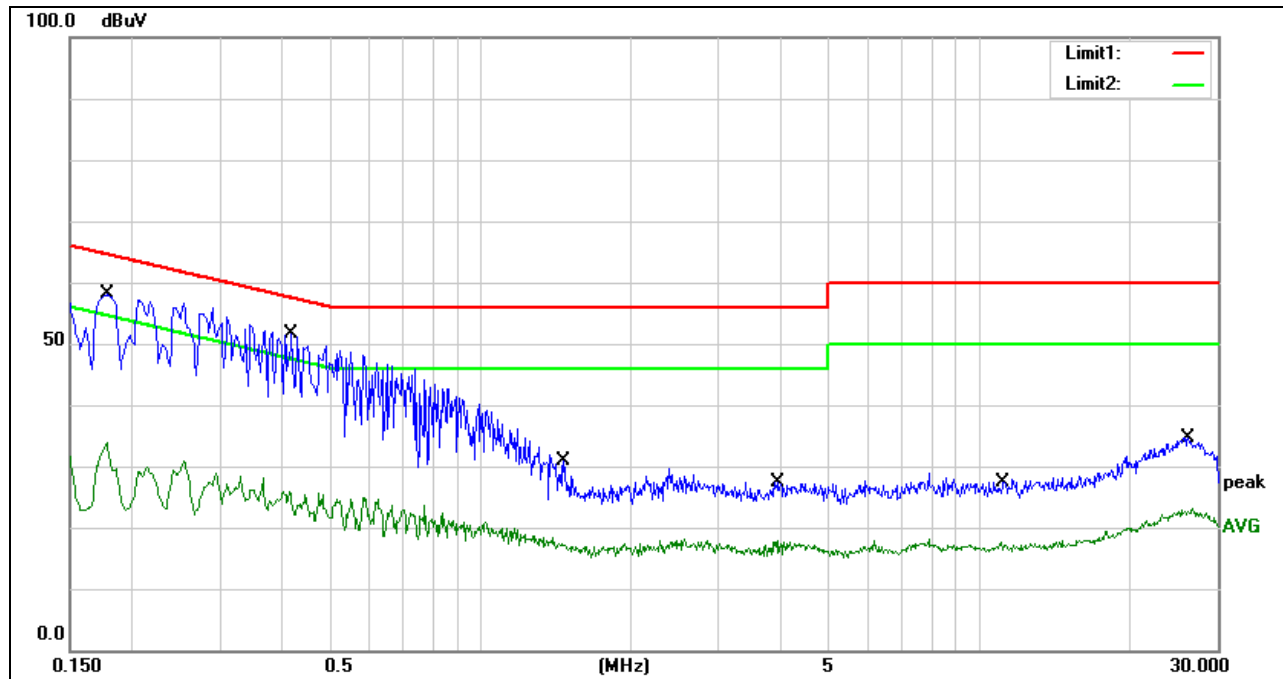
TEST ENVIRONMENT

Temperature	27.4°C	Relative Humidity	41%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V/60Hz



TEST RESULTS

NEUTRAL N RESULTS

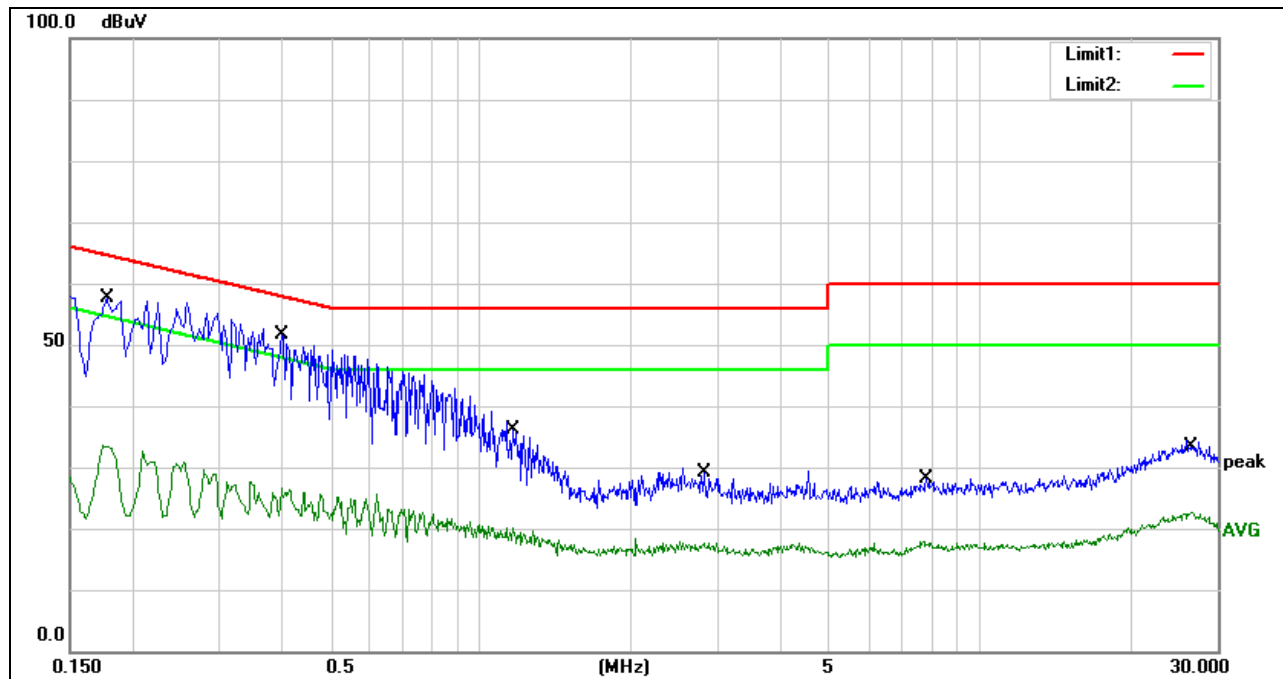


No.	Frequency (MHz)	Reading (dBuV)	Correct dB	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1780	37.69	20.35	58.04	64.58	-6.54	QP
2	0.1780	13.44	20.35	33.79	54.58	-20.79	AVG
3	0.4180	31.02	20.56	51.58	57.49	-5.91	QP
4	0.4180	5.40	20.56	25.96	47.49	-21.53	AVG
5	1.4660	10.49	20.34	30.83	56.00	-25.17	QP
6	1.4660	-2.94	20.34	17.40	46.00	-28.60	AVG
7	3.9620	6.81	20.51	27.32	56.00	-28.68	QP
8	3.9620	-2.63	20.51	17.88	46.00	-28.12	AVG
9	11.1900	6.30	21.08	27.38	60.00	-32.62	QP
10	11.1900	-3.45	21.08	17.63	50.00	-32.37	AVG
11	26.2140	11.73	22.84	34.57	60.00	-25.43	QP
12	26.2140	0.40	22.84	23.24	50.00	-26.76	AVG

- Note: 1. Result = Reading +Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.



LINE L RESULTS



No.	Frequency (MHz)	Reading (dBuV)	Correct dB	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1780	37.38	20.35	57.73	64.58	-6.85	QP
2	0.1780	13.20	20.35	33.55	54.58	-21.03	AVG
3	0.3980	31.10	20.57	51.67	57.90	-6.23	QP
4	0.3980	6.00	20.57	26.57	47.90	-21.33	AVG
5	1.1620	15.91	20.31	36.22	56.00	-19.78	QP
6	1.1620	-0.08	20.31	20.23	46.00	-25.77	AVG
7	2.8060	8.76	20.43	29.19	56.00	-26.81	QP
8	2.8060	-2.70	20.43	17.73	46.00	-28.27	AVG
9	7.8340	7.42	20.68	28.10	60.00	-31.90	QP
10	7.8340	-3.02	20.68	17.66	50.00	-32.34	AVG
11	26.6780	10.59	22.88	33.47	60.00	-26.53	QP
12	26.6780	-0.27	22.88	22.61	50.00	-27.39	AVG

- Note: 1. Result = Reading +Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.



11. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

ANTENNA CONNECTOR

EUT has an integral antenna without antenna connector.

ANTENNA GAIN

The antenna gain of EUT is less than 6 dBi.



Test photos

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

END OF REPORT