	3. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level 4. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 5. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Test results:	PASS

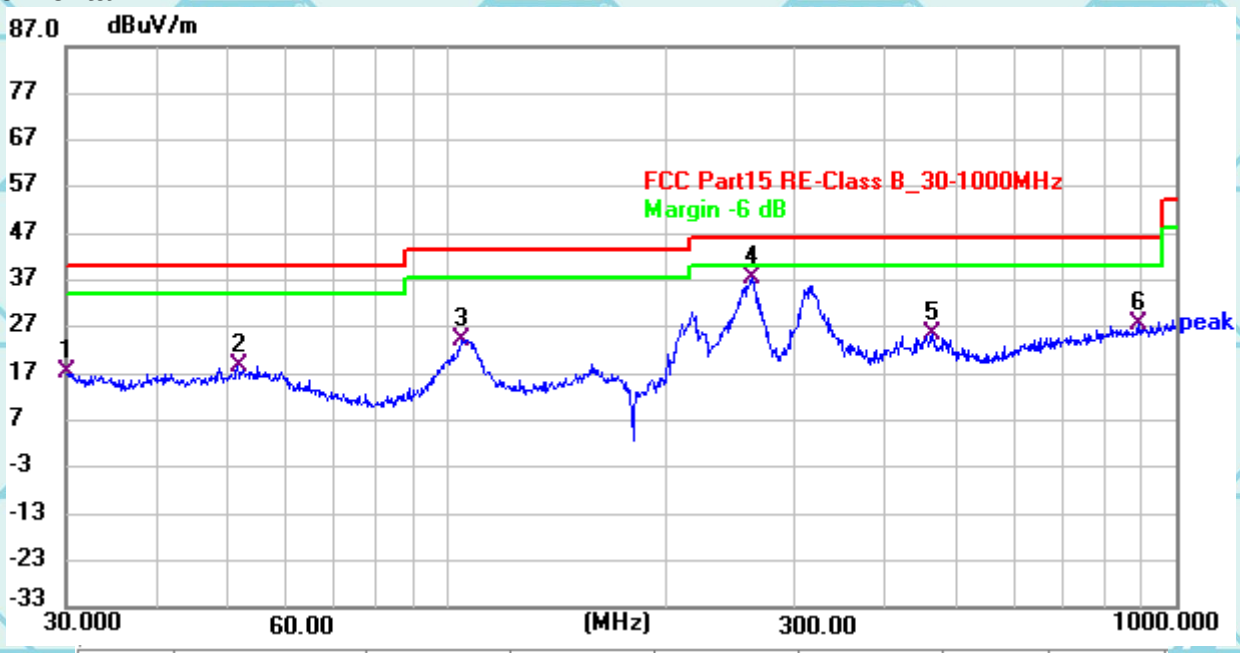
6.7.2. Test Data(worst case)

Please refer to following diagram for individual

The worst mode is 11b

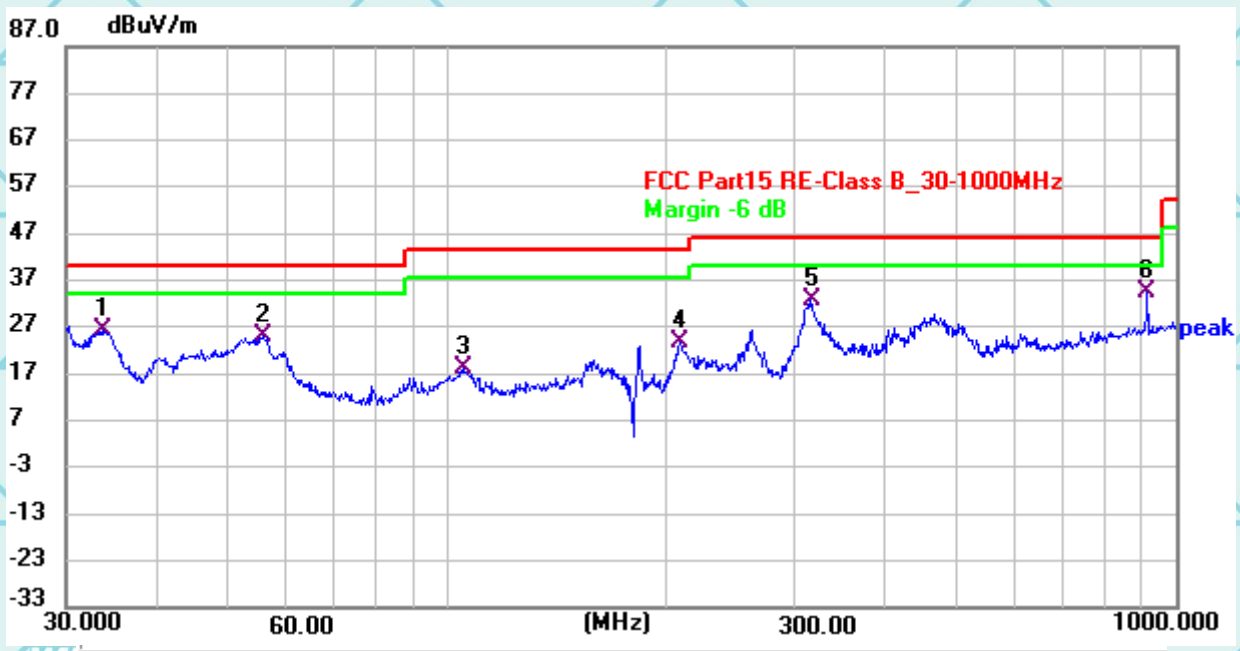
Below 1GHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.0000	36.67	-19.12	17.55	40.00	-22.45	QP
2	51.6616	37.58	-19.00	18.58	40.00	-21.42	QP
3	104.8573	47.43	-23.09	24.34	43.50	-19.16	QP
4 *	263.2415	59.06	-21.54	37.52	46.00	-8.48	QP
5	465.1914	41.75	-16.12	25.63	46.00	-20.37	QP
6	887.6099	37.28	-9.83	27.45	46.00	-18.55	QP

Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	33.8431	46.05	-19.52	26.53	40.00	-13.47	QP
2	55.9762	45.13	-19.85	25.28	40.00	-14.72	QP
3	105.5952	41.45	-23.03	18.42	43.50	-25.08	QP
4	209.4965	47.59	-24.00	23.59	43.50	-19.91	QP
5	315.4808	52.67	-19.73	32.94	46.00	-13.06	QP
6 *	912.8620	44.42	-9.84	34.58	46.00	-11.42	QP

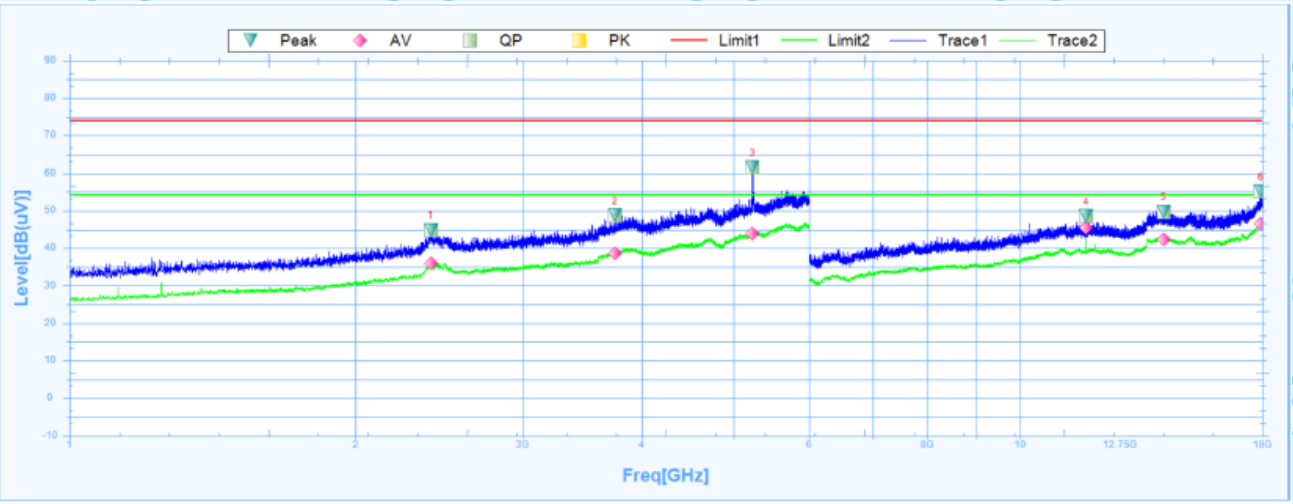
Note1:
Freq. = Emission frequency in MHz
Reading level (dBμV) = Receiver reading
Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor.
Measurement (dBμV) = Reading level (dBμV) + Corr. Factor (dB)
Limit (dBμV) = Limit stated in standard
Margin (dB) = Measurement (dBμV) – Limits (dBμV)

Above 1GHz

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.
Note 2: The spurious above 18G is noise only, do not show on the report.
Note 3: Report and only recorded the worst-case scenario “MIMO Mode 802.11b”.

1 GHz to 18 GHz, MIMO Mode 802.11b Low Channel

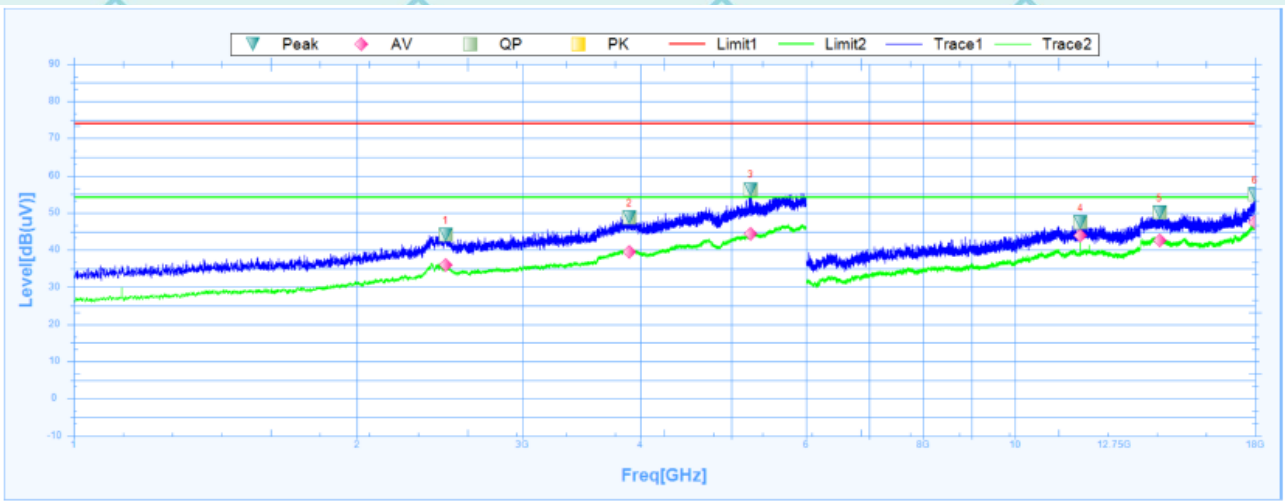
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2399.3750	44.89	27.26	17.63	74	-29.11	359.5	Horizontal	PK	Pass
1	2399.3750	36.02	27.26	8.76	54	-17.98	359.5	Horizontal	AV	Pass
2	3750.6250	48.82	29.1	19.72	74	-25.18	357.4	Horizontal	PK	Pass
2	3750.6250	38.64	29.1	9.54	54	-15.36	357.4	Horizontal	AV	Pass
3	5234.3750	61.59	31.79	29.8	74	-12.41	359.5	Horizontal	PK	Pass
3	5234.3750	43.89	31.79	12.1	54	-10.11	359.5	Horizontal	AV	Pass
4	11743.5000	48.58	16.11	32.47	74	-25.42	329.3	Horizontal	PK	Pass
4	11743.5000	45.47	16.11	29.36	54	-8.53	329.3	Horizontal	AV	Pass
5	14172.0000	49.76	18.96	30.8	74	-24.24	50.7	Horizontal	PK	Pass
5	14172.0000	42.34	18.96	23.38	54	-11.66	50.7	Horizontal	AV	Pass
6	17923.5000	55.16	23.41	31.75	74	-18.84	231.3	Horizontal	PK	Pass
6	17923.5000	46.49	23.41	23.08	54	-7.51	231.3	Horizontal	AV	Pass

Vertical：

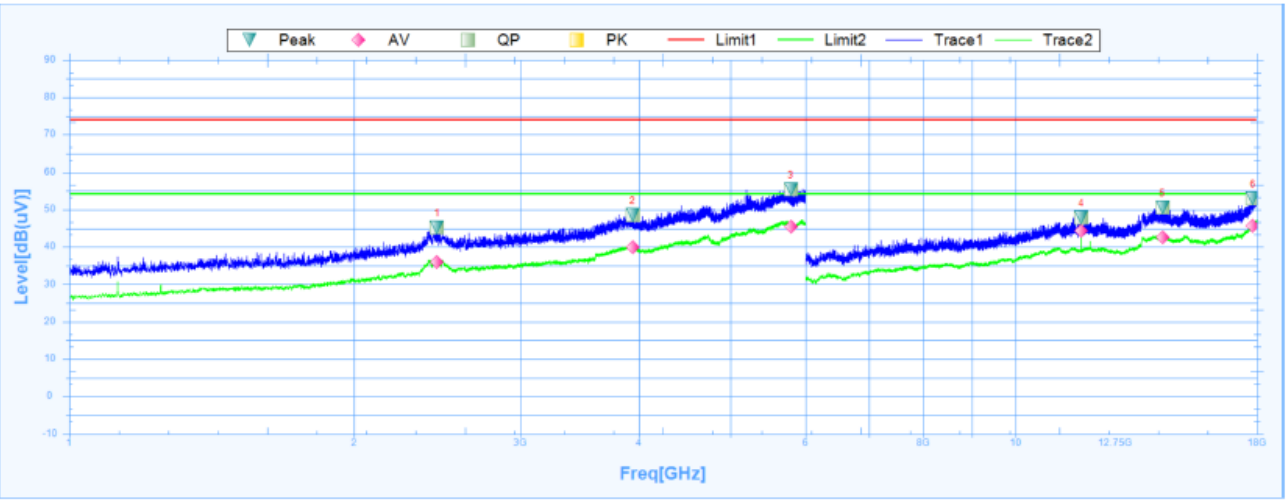


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2483.1250	44.03	27.54	16.49	74	-29.97	351.2	Vertical	PK	Pass
1	2483.1250	35.89	27.54	8.35	54	-18.11	351.2	Vertical	AV	Pass
2	3895.6250	48.85	29.45	19.4	74	-25.15	147.9	Vertical	PK	Pass
2	3895.6250	39.44	29.45	9.99	54	-14.56	147.9	Vertical	AV	Pass
3	5241.8750	56.39	31.79	24.6	74	-17.61	163.5	Vertical	PK	Pass
3	5241.8750	44.41	31.79	12.62	54	-9.59	163.5	Vertical	AV	Pass
4	11743.5000	47.35	16.11	31.24	74	-26.65	347	Vertical	PK	Pass
4	11743.5000	43.93	16.11	27.82	54	-10.07	347	Vertical	AV	Pass
5	14242.5000	50.03	18.87	31.16	74	-23.97	17.3	Vertical	PK	Pass
5	14242.5000	42.59	18.87	23.72	54	-11.41	17.3	Vertical	AV	Pass
6	17992.5000	54.86	23.88	30.98	74	-19.14	359.9	Vertical	PK	Pass
6	17992.5000	47.37	23.88	23.49	54	-6.63	359.9	Vertical	AV	Pass

1 GHz to 18 GHz, MIMO Mode 802.11b Middle Channel

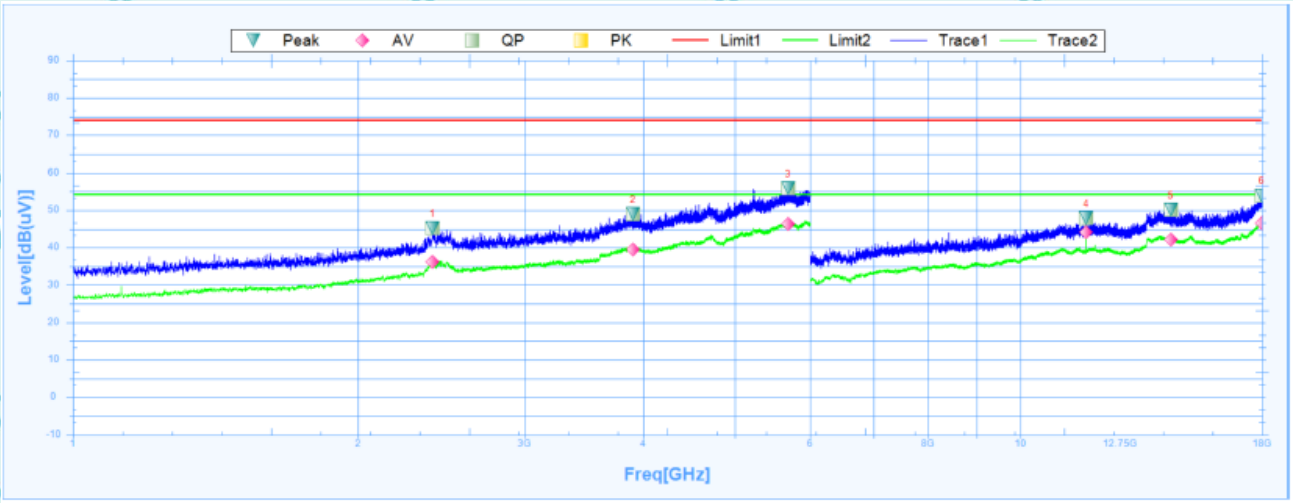
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2447.5000	45.22	27.42	17.8	74	-28.78	216.1	Horizontal	PK	Pass
1	2447.5000	35.96	27.42	8.54	54	-18.04	216.1	Horizontal	AV	Pass
2	3940.6250	48.58	29.56	19.02	74	-25.42	115.7	Horizontal	PK	Pass
2	3940.6250	39.96	29.56	10.4	54	-14.04	115.7	Horizontal	AV	Pass
3	5790.0000	55.45	32.46	22.99	74	-18.55	9.8	Horizontal	PK	Pass
3	5790.0000	45.48	32.46	13.02	54	-8.52	9.8	Horizontal	AV	Pass
4	11743.5000	47.91	16.11	31.8	74	-26.09	110.5	Horizontal	PK	Pass
4	11743.5000	44.38	16.11	28.27	54	-9.62	110.5	Horizontal	AV	Pass
5	14305.5000	50.58	18.81	31.77	74	-23.42	1.7	Horizontal	PK	Pass
5	14305.5000	42.58	18.81	23.77	54	-11.42	1.7	Horizontal	AV	Pass
6	17826.0000	53.05	22.78	30.27	74	-20.95	360.1	Horizontal	PK	Pass
6	17826.0000	45.74	22.78	22.96	54	-8.26	360.1	Horizontal	AV	Pass

Vertical：

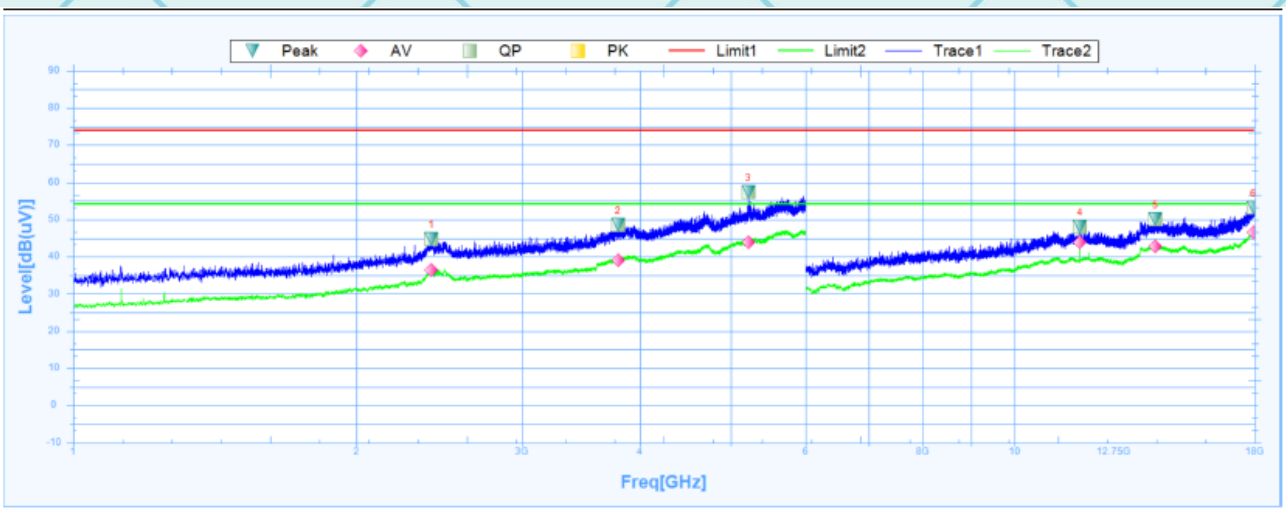


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2397.5000	45.18	27.25	17.93	74	-28.82	225.6	Vertical	PK	Pass
1	2397.5000	36.28	27.25	9.03	54	-17.72	225.6	Vertical	AV	Pass
2	3903.1250	48.93	29.47	19.46	74	-25.07	207.6	Vertical	PK	Pass
2	3903.1250	39.53	29.47	10.06	54	-14.47	207.6	Vertical	AV	Pass
3	5688.7500	55.81	32.3	23.51	74	-18.19	171.8	Vertical	PK	Pass
3	5688.7500	46.36	32.3	14.06	54	-7.64	171.8	Vertical	AV	Pass
4	11743.5000	47.85	16.11	31.74	74	-26.15	1.4	Vertical	PK	Pass
4	11743.5000	44.18	16.11	28.07	54	-9.82	1.4	Vertical	AV	Pass
5	14425.5000	50.13	18.7	31.43	74	-23.87	14.9	Vertical	PK	Pass
5	14425.5000	42.22	18.7	23.52	54	-11.78	14.9	Vertical	AV	Pass
6	17982.0000	53.96	23.8	30.16	74	-20.04	360.1	Vertical	PK	Pass
6	17982.0000	46.62	23.8	22.82	54	-7.38	360.1	Vertical	AV	Pass

1 GHz to 18 GHz, MIMO Mode 802.11b High Channel

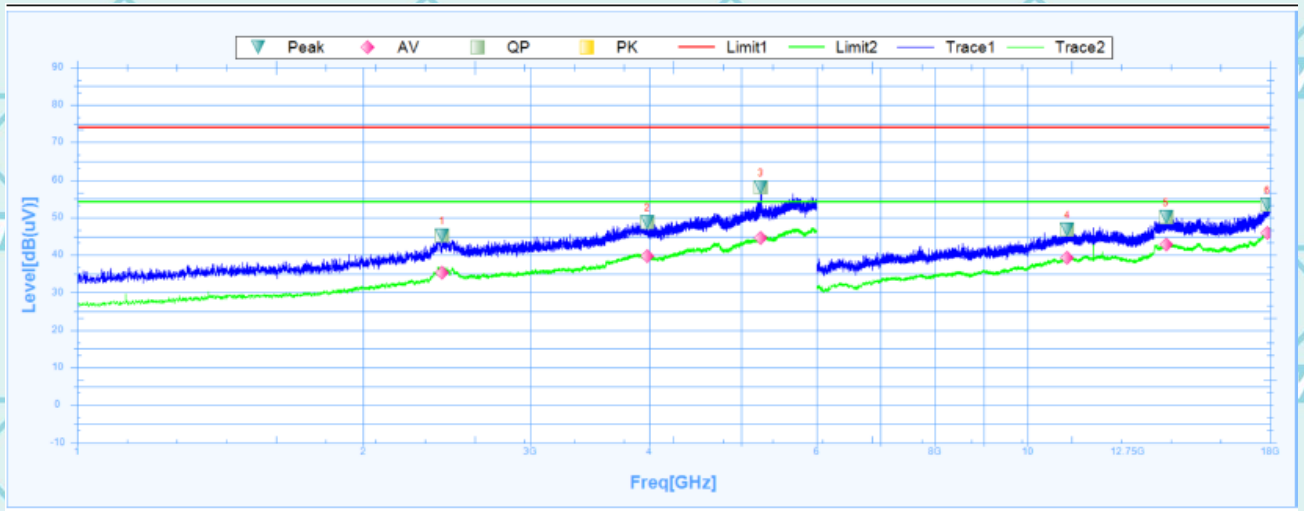
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2402.5000	44.69	27.27	17.42	74	-29.31	79.8	Horizontal	PK	Pass
1	2402.5000	36.44	27.27	9.17	54	-17.56	79.8	Horizontal	AV	Pass
2	3792.5000	48.61	29.2	19.41	74	-25.39	287.8	Horizontal	PK	Pass
2	3792.5000	39.01	29.2	9.81	54	-14.99	287.8	Horizontal	AV	Pass
3	5218.1250	57.38	31.77	25.61	74	-16.62	-0.1	Horizontal	PK	Pass
3	5218.1250	43.98	31.77	12.21	54	-10.02	-0.1	Horizontal	AV	Pass
4	11743.5000	48.01	16.11	31.9	74	-25.99	142.7	Horizontal	PK	Pass
4	11743.5000	43.92	16.11	27.81	54	-10.08	142.7	Horizontal	AV	Pass
5	14121.0000	50.04	19	31.04	74	-23.96	275.4	Horizontal	PK	Pass
5	14121.0000	42.71	19	23.71	54	-11.29	275.4	Horizontal	AV	Pass
6	17944.5000	53.19	23.54	29.65	74	-20.81	331.6	Horizontal	PK	Pass
6	17944.5000	46.47	23.54	22.93	54	-7.53	331.6	Horizontal	AV	Pass

Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2420.6250	45.13	27.33	17.8	74	-28.87	359	Vertical	PK	Pass
1	2420.6250	35.23	27.33	7.9	54	-18.77	359	Vertical	AV	Pass
2	3981.8750	48.86	29.66	19.2	74	-25.14	214.9	Vertical	PK	Pass
2	3981.8750	39.64	29.66	9.98	54	-14.36	214.9	Vertical	AV	Pass
3	5244.3750	58.12	31.8	26.32	74	-15.88	243.6	Vertical	PK	Pass
3	5244.3750	44.67	31.8	12.87	54	-9.33	243.6	Vertical	AV	Pass
4	11014.5000	46.73	15.67	31.06	74	-27.27	171.5	Vertical	PK	Pass
4	11014.5000	39.23	15.67	23.56	54	-14.77	171.5	Vertical	AV	Pass
5	13989.0000	50.12	19.09	31.03	74	-23.88	188.2	Vertical	PK	Pass
5	13989.0000	42.75	19.09	23.66	54	-11.25	188.2	Vertical	AV	Pass
6	17889.0000	53.49	23.19	30.3	74	-20.51	128.4	Vertical	PK	Pass
6	17889.0000	45.84	23.19	22.65	54	-8.16	128.4	Vertical	AV	Pass

Note:

1. All emissions not reported were more than 20dB below the specified limit or in the noise floor.
2. Emission Level= Reading Level+ Probe Factor +Cable Loss.
3. Data of measurement within this frequency range shown “--” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

6.7.3. Restricted Bands Requirements

Test result for 802.11b Mode (the worst case)

Frequency	Reading	Correct Factor	Emission Level	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel							
2390	64.52	-8.76	55.76	74	18.24	H	PK
2390	53.99	-8.76	45.23	54	8.77	H	AV
2390	63.62	-8.73	54.89	74	19.11	V	PK
2390	54.18	-8.73	45.45	54	8.55	V	AV
High Channel							
2483.5	64.71	-8.76	55.95	74	18.05	H	PK
2483.5	53.51	-8.76	44.75	54	9.25	H	AV
2483.5	62.81	-8.73	54.08	74	19.92	V	PK
2483.5	52.63	-8.73	43.90	54	10.10	V	AV

Note: Freq. = Emission frequency in MHz
Reading level (dBµV) = Receiver reading
Corr. Factor (dB) = Attenuation factor + Cable loss
Level (dBµV) = Reading level (dBµV) + Corr. Factor (dB)
Limit (dBµV) = Limit stated in standard
Margin (dB) = Level (dBµV) – Limits (dBµV)

7 Test Setup Photographs

"Please refer to Annex "Set Up Photos-15C" for test setup photos"

*******END OF REPORT*******