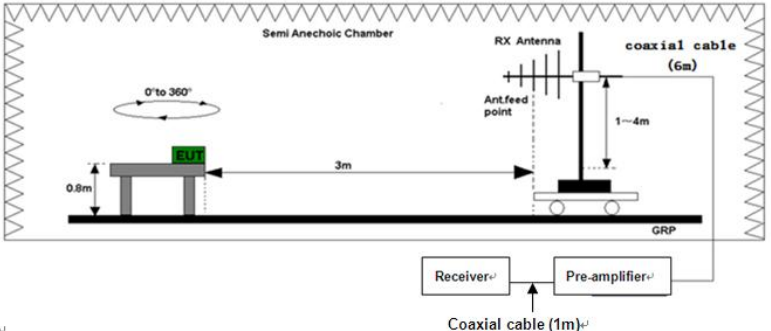
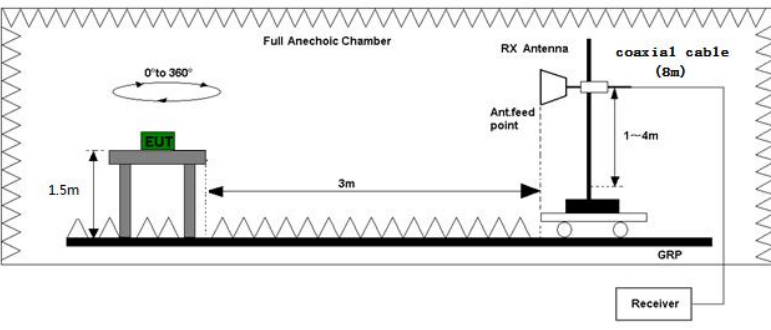


	 Above 1GHz 
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. The testing follows the guidelines in Spurious Radiated Emissions of ANSI C63.10:2014 Measurement Guidelines. 2. For the radiated emission test below 1GHz: The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level. For the radiated emission test above 1GHz: Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which

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	maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. 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, RBW=1MHz for $f > 1$GHz ; VBW$\geq$RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak (3) For average measurement: use duty cycle correction factor method per 15.35(c). Duty cycle = On time/100 milliseconds On time = $N_1 \cdot L_1 + N_2 \cdot L_2 + \dots + N_{n-1} \cdot L_{n-1} + N_n \cdot L_n$ Where N_1 is number of type 1 pulses, L_1 is length of type 1 pulses, etc Average Emission Level = Peak Emission Level + $20 \cdot \log(\text{Duty cycle})$ Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
Test results:	PASS

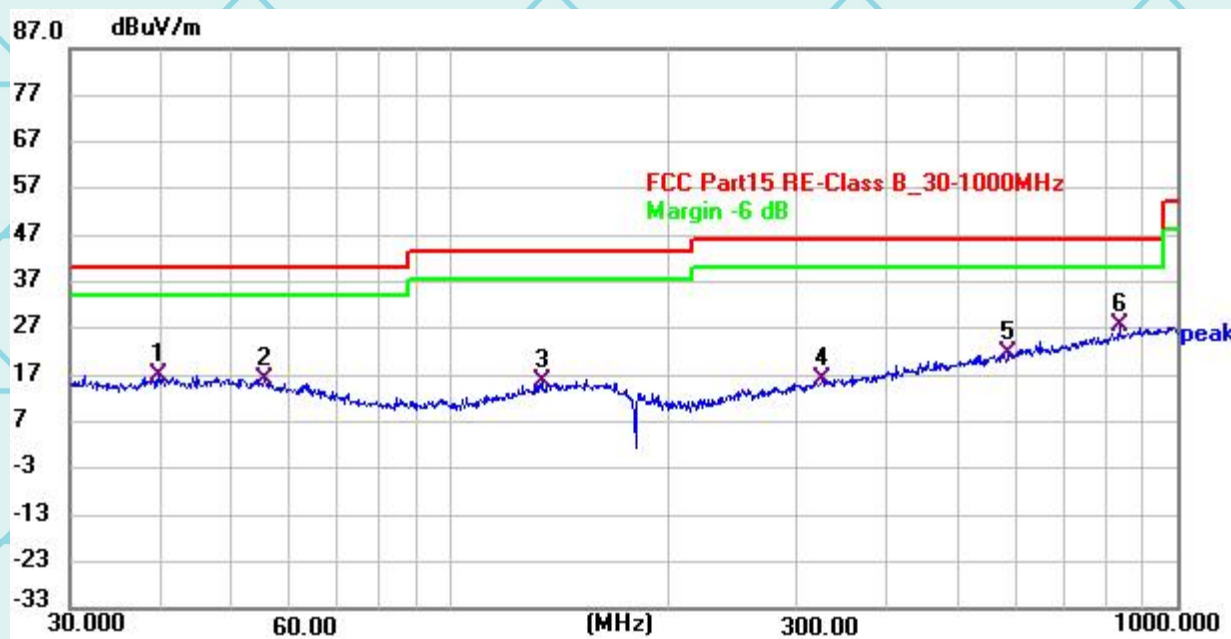
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6.11.2. Test Data

Please refer to following diagram for individual

Below 1GHz

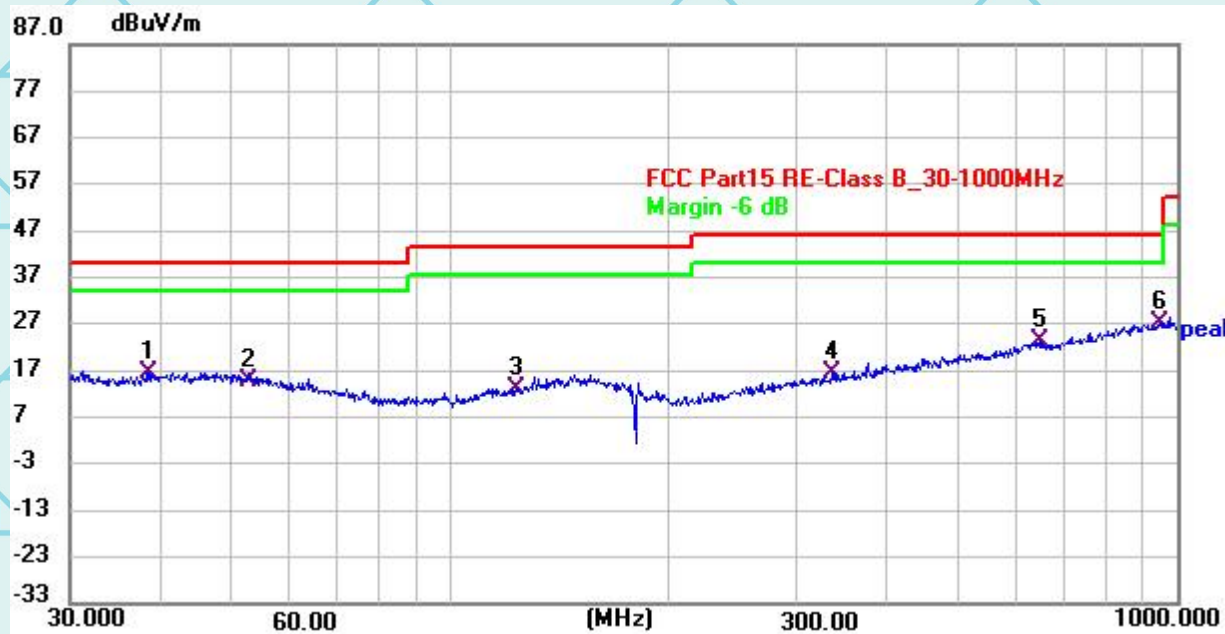
Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	39.9067	35.95	-19.08	16.87	40.00	-23.13	QP
2	55.7558	35.86	-19.79	16.07	40.00	-23.93	QP
3	133.9706	35.77	-20.23	15.54	43.50	-27.96	QP
4	326.4532	35.45	-19.39	16.06	46.00	-29.94	QP
5	587.3584	35.50	-14.07	21.43	46.00	-24.57	QP
6 *	833.6825	38.30	-10.55	27.75	46.00	-18.25	QP

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Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.5992	35.69	-19.21	16.48	40.00	-23.52	QP
2	52.7831	33.86	-18.94	14.92	40.00	-25.08	QP
3	123.8612	34.37	-21.11	13.26	43.50	-30.24	QP
4	336.6248	35.47	-19.12	16.35	46.00	-29.65	QP
5	650.2294	36.20	-12.82	23.38	46.00	-22.62	QP
6 *	947.0990	36.71	-9.38	27.33	46.00	-18.67	QP

Note1:

Freq. = Emission frequency in MHz

Reading level (dBuV) = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor.

Measurement (dBuV) = Reading level (dBuV) + Corr. Factor (dB)

Limit (dBuV) = Limit stated in standard

Margin (dB) = Measurement (dBuV) - Limits (dBuV)

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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.

GFSK

Low channel: 2402MHz

Horizontal:

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2448.1250	46.49	27.42	19.07	74	-27.51	228.9	Horizontal	PK	Pass
1	2448.1250	37.28	27.42	9.86	54	-16.72	228.9	Horizontal	AV	Pass
2	3924.3750	49.69	29.52	20.17	74	-24.31	1.4	Horizontal	PK	Pass
2	3924.3750	40.39	29.52	10.87	54	-13.61	1.4	Horizontal	AV	Pass
3	5186.2500	60.22	31.75	28.47	74	-13.78	360.1	Horizontal	PK	Pass
3	5186.2500	44.64	31.75	12.89	54	-9.36	360.1	Horizontal	AV	Pass
4	11016.0000	48.19	15.67	32.52	74	-25.81	-0.1	Horizontal	PK	Pass
4	11016.0000	39.38	15.67	23.71	54	-14.62	-0.1	Horizontal	AV	Pass
5	14017.5000	50.04	19.11	30.93	74	-23.96	274.6	Horizontal	PK	Pass
5	14017.5000	42.97	19.11	23.86	54	-11.03	274.6	Horizontal	AV	Pass
6	17971.5000	53.88	23.73	30.15	74	-20.12	159.8	Horizontal	PK	Pass
6	17971.5000	46.82	23.73	23.09	54	-7.18	159.8	Horizontal	AV	Pass

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Vertical:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2478.1250	46.33	7.84	38.49	74	-27.67	21	Vertical	PK	Pass
1	2478.1250	37.26	7.84	29.42	54	-16.74	21	Vertical	AV	Pass
2	3800.6250	49.28	11	38.28	74	-24.72	269.4	Vertical	PK	Pass
2	3800.6250	40.46	11	29.46	54	-13.54	269.4	Vertical	AV	Pass
3	5207.5000	58.78	18.36	40.42	74	-15.22	337.4	Vertical	PK	Pass
3	5207.5000	45.04	18.36	26.68	54	-8.96	337.4	Vertical	AV	Pass
4	11499.0000	47.19	39.05	8.14	74	-26.81	134.7	Vertical	PK	Pass
4	11499.0000	39.32	39.05	0.27	54	-14.68	134.7	Vertical	AV	Pass
5	14065.5000	50.07	41.41	8.66	74	-23.93	16.5	Vertical	PK	Pass
5	14065.5000	42.93	41.41	1.52	54	-11.07	16.5	Vertical	AV	Pass
6	17920.5000	53.65	45.97	7.68	74	-20.35	95.4	Vertical	PK	Pass
6	17920.5000	46.33	45.97	0.36	54	-7.67	95.4	Vertical	AV	Pass

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Middle channel: 2441MHz

Horizontal:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2439.3750	46.52	27.39	19.13	74	-27.48	269.3	Horizontal	PK	Pass
1	2439.3750	37.29	27.39	9.9	54	-16.71	269.3	Horizontal	AV	Pass
2	3885.0000	49.68	29.42	20.26	74	-24.32	81.6	Horizontal	PK	Pass
2	3885.0000	41.06	29.42	11.64	54	-12.94	81.6	Horizontal	AV	Pass
3	5791.2500	60.46	32.47	27.99	74	-13.54	6.5	Horizontal	PK	Pass
3	5791.2500	46.38	32.47	13.91	54	-7.62	6.5	Horizontal	AV	Pass
4	11499.0000	47.24	16.12	31.12	74	-26.76	195.8	Horizontal	PK	Pass
4	11499.0000	39.68	16.12	23.56	54	-14.32	195.8	Horizontal	AV	Pass
5	14005.5000	49.91	19.11	30.8	74	-24.09	359.5	Horizontal	PK	Pass
5	14005.5000	42.53	19.11	23.42	54	-11.47	359.5	Horizontal	AV	Pass
6	17958.0000	54.58	23.63	30.95	74	-19.42	236.5	Horizontal	PK	Pass
6	17958.0000	46.76	23.63	23.13	54	-7.24	236.5	Horizontal	AV	Pass

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Vertical:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2427.5000	46.15	27.35	18.8	74	-27.85	360.1	Vertical	PK	Pass
1	2427.5000	37	27.35	9.65	54	-17	360.1	Vertical	AV	Pass
2	3909.3750	49.79	29.48	20.31	74	-24.21	293.4	Vertical	PK	Pass
2	3909.3750	40.74	29.48	11.26	54	-13.26	293.4	Vertical	AV	Pass
3	5236.2500	60.34	31.79	28.55	74	-13.66	249.2	Vertical	PK	Pass
3	5236.2500	45.82	31.79	14.03	54	-8.18	249.2	Vertical	AV	Pass
4	11452.5000	47.25	15.99	31.26	74	-26.75	223.3	Vertical	PK	Pass
4	11452.5000	39.36	15.99	23.37	54	-14.64	223.3	Vertical	AV	Pass
5	14181.0000	50.7	18.94	31.76	74	-23.3	83.4	Vertical	PK	Pass
5	14181.0000	42.55	18.94	23.61	54	-11.45	83.4	Vertical	AV	Pass
6	17938.5000	53.67	23.51	30.16	74	-20.33	292.6	Vertical	PK	Pass
6	17938.5000	46.81	23.51	23.3	54	-7.19	292.6	Vertical	AV	Pass

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High channel: 2480MHz

Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2445.0000	46.22	7.72	38.5	74	-27.78	87.8	Horizontal	PK	Pass
1	2445.0000	36.28	7.72	28.56	54	-17.72	87.8	Horizontal	AV	Pass
2	3937.5000	49.79	11.92	37.87	74	-24.21	296.9	Horizontal	PK	Pass
2	3937.5000	40.66	11.92	28.74	54	-13.34	296.9	Horizontal	AV	Pass
3	5674.3750	56.52	21.16	35.36	74	-17.48	339.9	Horizontal	PK	Pass
3	5674.3750	47.35	21.16	26.19	54	-6.65	339.9	Horizontal	AV	Pass
4	11535.0000	46.89	39.02	7.87	74	-27.11	20	Horizontal	PK	Pass
4	11535.0000	39.55	39.02	0.53	54	-14.45	20	Horizontal	AV	Pass
5	14256.0000	50.96	41.17	9.79	74	-23.04	358	Horizontal	PK	Pass
5	14256.0000	42.66	41.17	1.49	54	-11.34	358	Horizontal	AV	Pass
6	17784.0000	53.11	45.05	8.06	74	-20.89	-0.1	Horizontal	PK	Pass
6	17784.0000	45.79	45.05	0.74	54	-8.21	-0.1	Horizontal	AV	Pass

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Vertical:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2436.8750	45.44	7.7	37.74	74	-28.56	11.3	Vertical	PK	Pass
1	2436.8750	37.09	7.7	29.39	54	-16.91	11.3	Vertical	AV	Pass
2	3939.3750	50.34	11.91	38.43	74	-23.66	80.6	Vertical	PK	Pass
2	3939.3750	40.65	11.91	28.74	54	-13.35	80.6	Vertical	AV	Pass
3	5971.2500	57.06	21.81	35.25	74	-16.94	19	Vertical	PK	Pass
3	5971.2500	47.34	21.81	25.53	54	-6.66	19	Vertical	AV	Pass
4	11842.5000	47.75	38.74	9.01	74	-26.25	139.5	Vertical	PK	Pass
4	11842.5000	39.9	38.74	1.16	54	-14.1	139.5	Vertical	AV	Pass
5	14038.5000	50.71	41.45	9.26	74	-23.29	324.8	Vertical	PK	Pass
5	14038.5000	42.77	41.45	1.32	54	-11.23	324.8	Vertical	AV	Pass
6	17904.0000	53.97	45.86	8.11	74	-20.03	218.4	Vertical	PK	Pass
6	17904.0000	46.48	45.86	0.62	54	-7.52	218.4	Vertical	AV	Pass

Note:

1. The emission levels of other frequencies are very lower than the limit and not show in test report.
2. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
3. Data of measurement shown "—" in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
4. Measurements were conducted in all three modulation (GFSK, Pi/4 DQPSK, 8DPSK), and the worst case Mode (GFSK) was submitted only.
5. EUT has been tested in unfolded states, and the report only reflects data in the unfolded state (worst-case scenario)

6.11.3. Restricted Bands Requirements

Bluetooth (GFSK, Pi/4-DQPSK, 8DPSK) mode have been tested, and the worst result GFSK model was report as below

Frequency	Reading	Correct Factor	Emission Level	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel							
2387	62.75	-8.76	53.99	74	20.01	H	PK
2387	54.39	-8.76	45.63	54	8.37	H	AV
2387	62.61	-8.73	53.88	74	20.12	V	PK
2387	54.64	-8.73	45.91	54	8.09	V	AV
2390	64.91	-8.76	56.15	74	17.85	H	PK
2390	54.65	-8.76	45.89	54	8.11	H	AV
2390	63.63	-8.73	54.90	74	19.10	V	PK
2390	54.55	-8.73	45.82	54	8.18	V	AV
High Channel							
2483.5	63.83	-8.17	55.66	74	18.34	H	PK
2483.5	54.96	-8.17	46.79	54	7.21	H	AV
2483.5	64.13	-8.17	55.96	74	18.04	V	PK
2483.5	54.94	-8.17	46.77	54	7.23	V	AV

Note: Freq. = Emission frequency in MHz

Reading level (dBuV) = Receiver reading

Corr. Factor (dB) = Attenuation factor + Cable loss

Level (dBuV) = Reading level (dBuV) + Corr. Factor (dB)

Limit (dBuV) = Limit stated in standard

Margin (dB) = Level (dBuV) – Limits (dBuV)

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7. Test Setup Photographs

Please refer to the attachment "Set Up Photos-15C" for relevant test setup photos

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