

Test Model

Band-edge Conducted Emissions

Bluetooth

Channel 0: 2402MHz

GFSK



Date: 22.OCT.2020 15:21:30

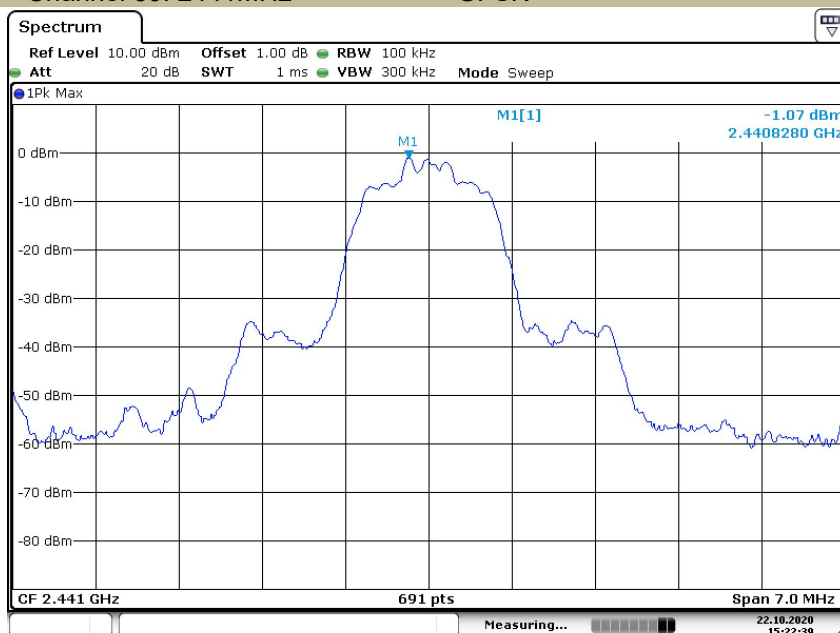
Test Model

Maximum Conduceted Level RBW=100kHz

Bluetooth

Channel 39: 2441MHz

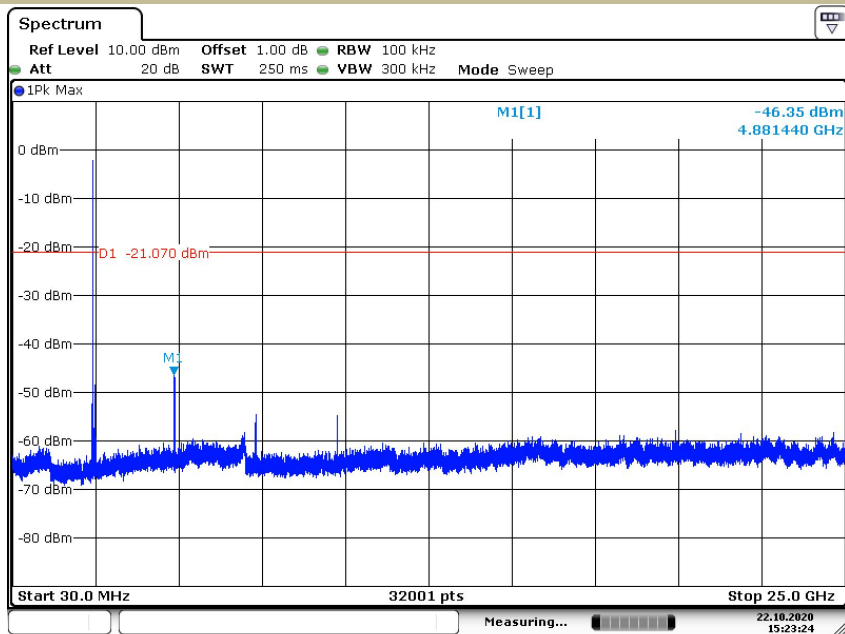
GFSK



Date: 22.OCT.2020 15:22:40

Test Model

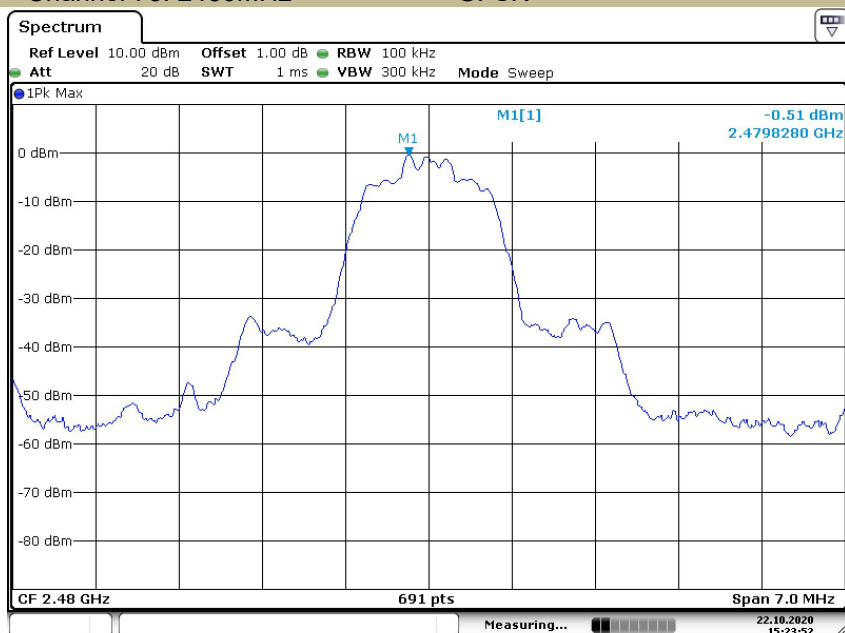
Conduceted Spurious RF Conducted Emission
Bluetooth
Channel 39: 2441MHz GFSK



Date: 22.OCT.2020 15:23:23

Test Model

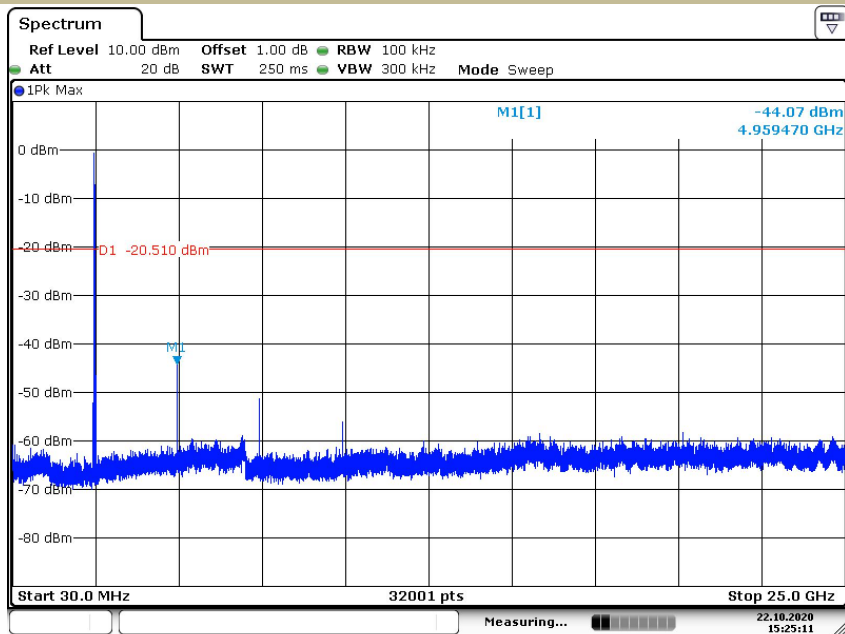
Maximum Conduceted Level RBW=100kHz
Bluetooth
Channel 78: 2480MHz GFSK



Date: 22.OCT.2020 15:23:52

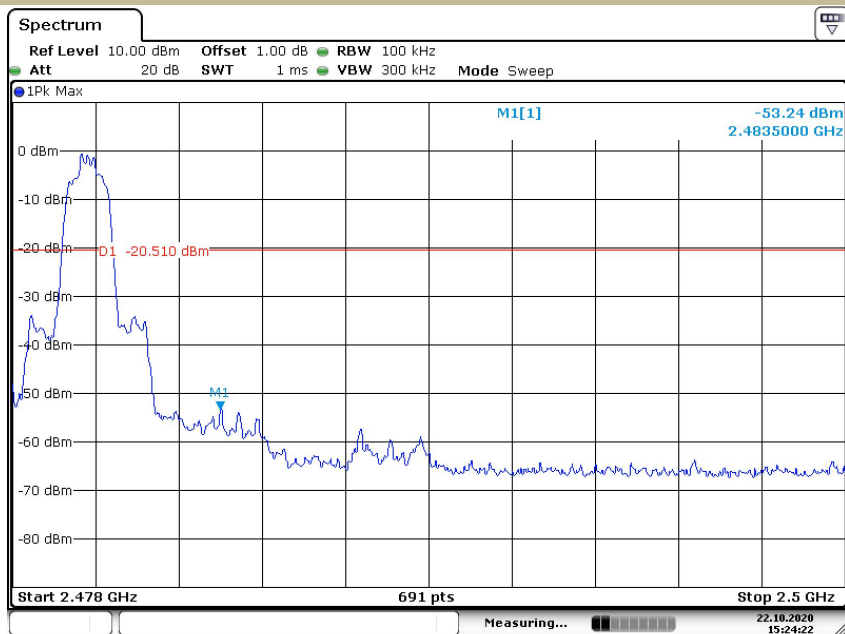
Test Model

Conducted Spurious RF Conducted Emission
Bluetooth
Channel 78: 2480MHz GFSK



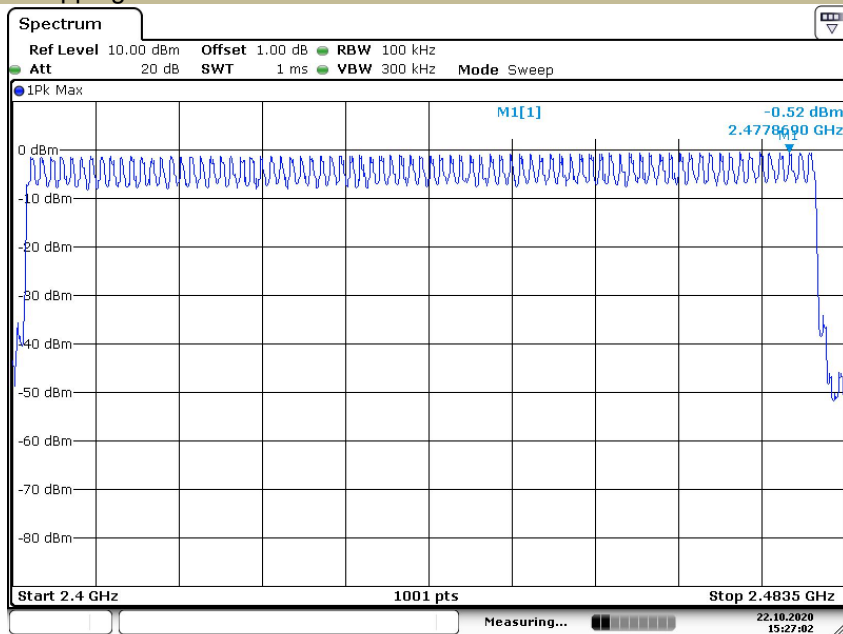
Test Model

Band-edge Conducted Emissions
Bluetooth
Channel 78: 2480MHz GFSK



Test Model

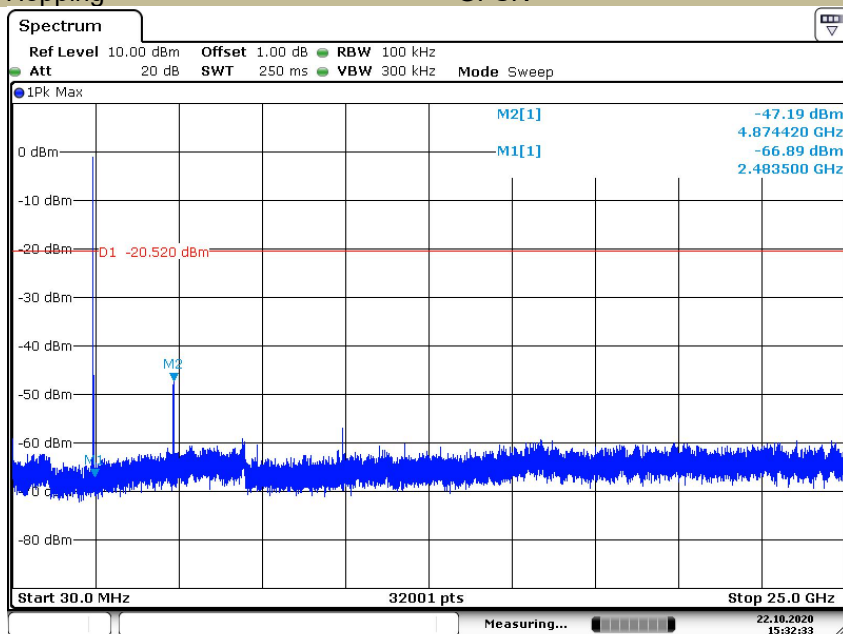
Maximum Conducted Level RBW=100kHz
Bluetooth
Hopping GFSK



Date: 22.OCT.2020 15:27:02

Test Model

Conducted Spurious RF Conducted Emission
Bluetooth
Hopping GFSK

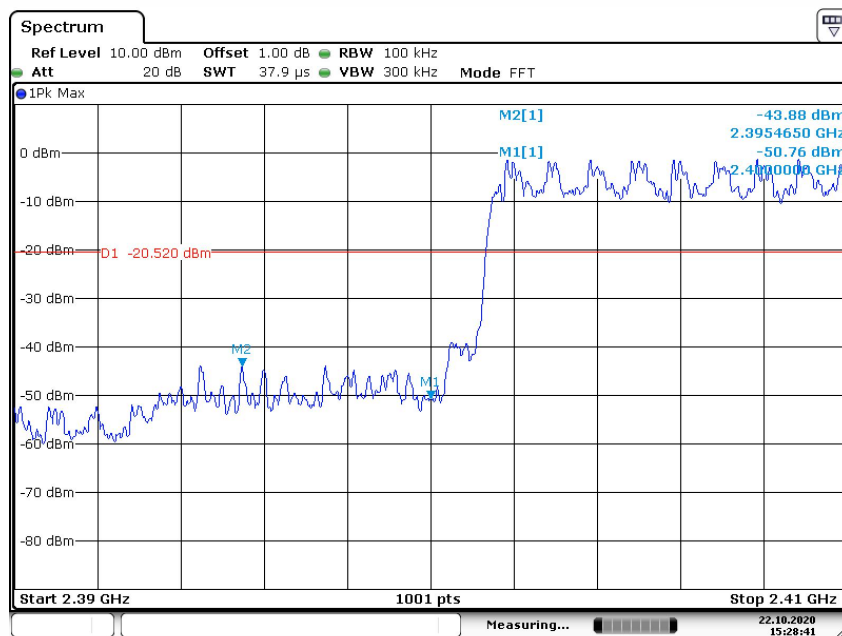


Date: 22.OCT.2020 15:32:34

Test Model

Band-edge Conducted Emissions
Bluetooth
Hopping

GFSK

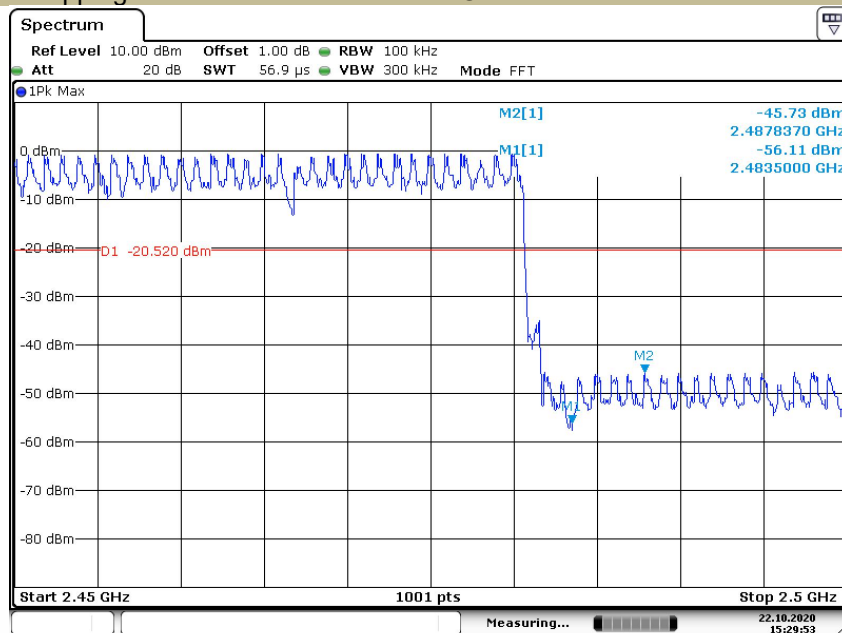


Date: 22.OCT.2020 15:28:41

Test Model

Band-edge Conducted Emissions
Bluetooth
Hopping

GFSK



Date: 22.OCT.2020 15:29:54

9.7 RADIATED SPURIOUS EMISSION

9.7.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and KDB 558074 D01 15.247 MEAS GUIDANCE v05r02

9.7.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

According to FCC Part 15.205, Restricted bands

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

According to FCC Part 15.205, the level of any transmitter spurious emission in Restricted bands shall not exceed the level of the emission specified in the following table

Restricted Frequency(MHz)	Field Strength (μV/m)	Field Strength (dBμV/m)	Measurement Distance
0.009-0.490	2400/F(KHz)	20 log (uV/m)	300
0.490-1.705	24000/F(KHz)	20 log (uV/m)	30
1.705-30	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

9.7.3 Test Configuration

Test according to clause 7.2 radio frequency test setup 2

9.7.4 Test Procedure

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

For Above 1GHz:

The EUT was placed on a turn table which is 1.5m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz

VBW ≥ RBW

Sweep = auto

Detector function = peak

Trace = max hold

For Below 1GHz:

The EUT was placed on a turn table which is 0.8m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Span = wide enough to fully capture the emission being measured

RBW = 100 kHz for

VBW ≥ RBW

Sweep = auto

Detector function = peak

Trace = max hold

For Below 30MHz:

The EUT was placed on a turn table which is 0.8m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Span = wide enough to fully capture the emission being measured

RBW = 9kHz

VBW ≥ RBW

Sweep = auto

Detector function = peak

Trace = max hold

For Below 150KHz:

The EUT was placed on a turn table which is 0.8m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Span = wide enough to fully capture the emission being measured

RBW = 200Hz

VBW ≥ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Follow the guidelines in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b). Submit this data.

Now set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit specified in Section 15.209. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a “duty cycle correction factor”, derived from $20\log(\text{dwell time}/100 \text{ ms})$, in an effort to demonstrate compliance with the 15.209 limit. Submit this data.

Repeat above procedures until all frequency measured was complete.

9.7.5 Test Results

■ Spurious Emission below 30MHz (9KHz to 30MHz)

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

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

Limit line = Specific limits(dBuV) + distance extrapolation factor

- Spurious Emission Above 1GHz (1GHz to 25GHz)
Bluetooth (GFSK, pi/4-DQPSK) mode have been tested, and the worst result(GFSK) was report as below:

Test mode: GFSK Frequency: Channel 0: 2402MHz

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
7167.60	V	51.85	36.54	74	54	-22.15	-17.46
10908.45	V	55.82	40.25	74	54	-18.18	-13.75
17975.35	V	65.94	43.08	74	54	-8.06	-10.92
7035.85	H	51.66	37.24	74	54	-22.34	-16.76
10997.70	H	55.74	41.32	74	54	-18.26	-12.68
17967.70	H	64.98	42.75	74	54	-9.02	-11.25

Test mode: GFSK Frequency: Channel 39: 2441MHz

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
7097.05	V	51.93	36.54	74	54	-22.07	-17.46
12361.10	V	55.77	40.25	74	54	-18.23	-13.75
17983.85	V	65.81	42.76	74	54	-8.19	-11.24
8376.30	H	52.06	37.65	74	54	-21.94	-16.35
12859.20	H	56.28	40.18	74	54	-17.72	-13.82
17966.00	H	65.46	42.67	74	54	-8.54	-11.33

Test mode: GFSK Frequency: Channel 78: 2480MHz

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
8165.50	V	51.76	36.54	74	54	-22.24	-17.46
12308.40	V	56.33	40.26	74	54	-17.67	-13.74
17800.25	V	65.71	42.47	74	54	-8.29	-11.53
7029.90	H	52.03	37.22	74	54	-21.97	-16.78
11035.10	H	56.33	40.35	74	54	-17.67	-13.65
17981.30	H	65.72	43.05	74	54	-8.28	-10.95

- Note:** (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz
Bluetooth (GFSK, pi/4-DQPSK, Hopping) mode have been tested, and the worst result(GFSK, Hopping)was report as below:

Test mode: GFSK Frequency: Channel 0: 2402MHz

Frequency (MHz)	Polarity H/V	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
2379.244	H	51.42	74	39.61	54
2389.580	V	51.65	74	39.22	54

Test mode: GFSK Frequency: Channel 78: 2480MHz

Frequency (MHz)	Polarity H/V	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
2484.200	H	53.73	74	42.67	54
2483.612	V	51.47	74	38.79	54

Test mode: GFSK Frequency: Hopping

Frequency (MHz)	Polarity H/V	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
2388.844	H	54.24	74	39.60	54
2483.724	H	55.06	74	39.80	54
2389.580	V	52.65	74	38.70	54
2485.387	V	52.07	74	37.80	54

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(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.

Test Model

Spurious Emission in Restricted Band 2310-2390MHz

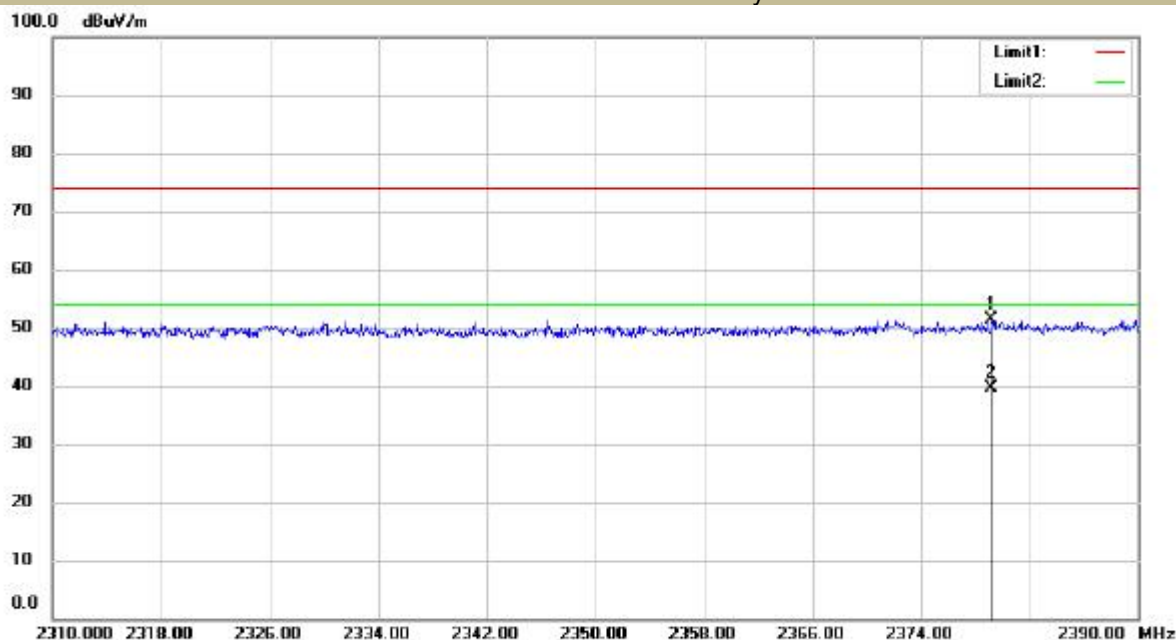
Bluetooth

Channel 0: 2402MHz

GFSK

H

Test By: XW



Site 3m Chamber #1

Polarization: **Horizontal**

Temperature: 29.5 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 48 %

Test Model

Spurious Emission in Restricted Band 2310-2390MHz

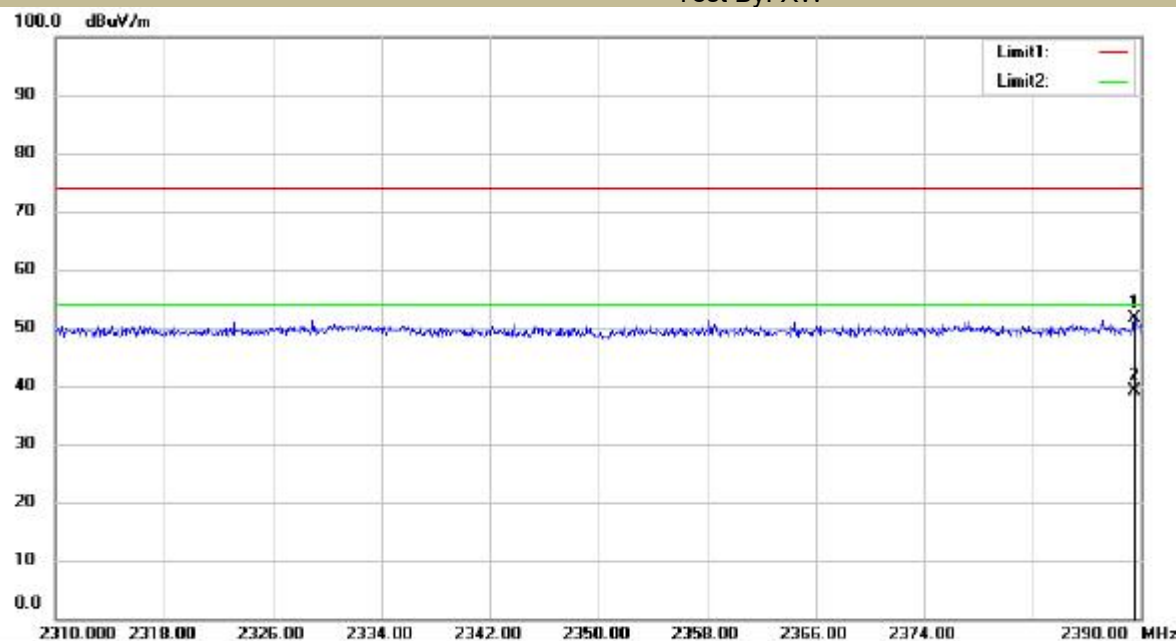
Bluetooth

Channel 0: 2402MHz

GFSK

V

Test By: XW



Site 3m Chamber #1

Polarization: **Vertical**

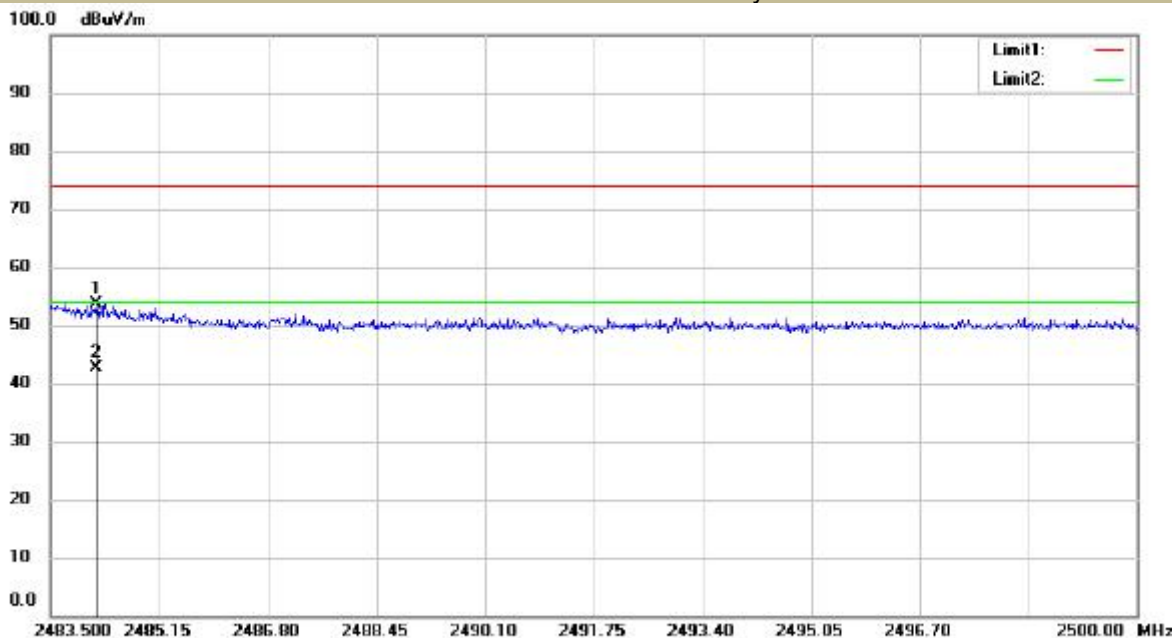
Temperature: 29.5 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

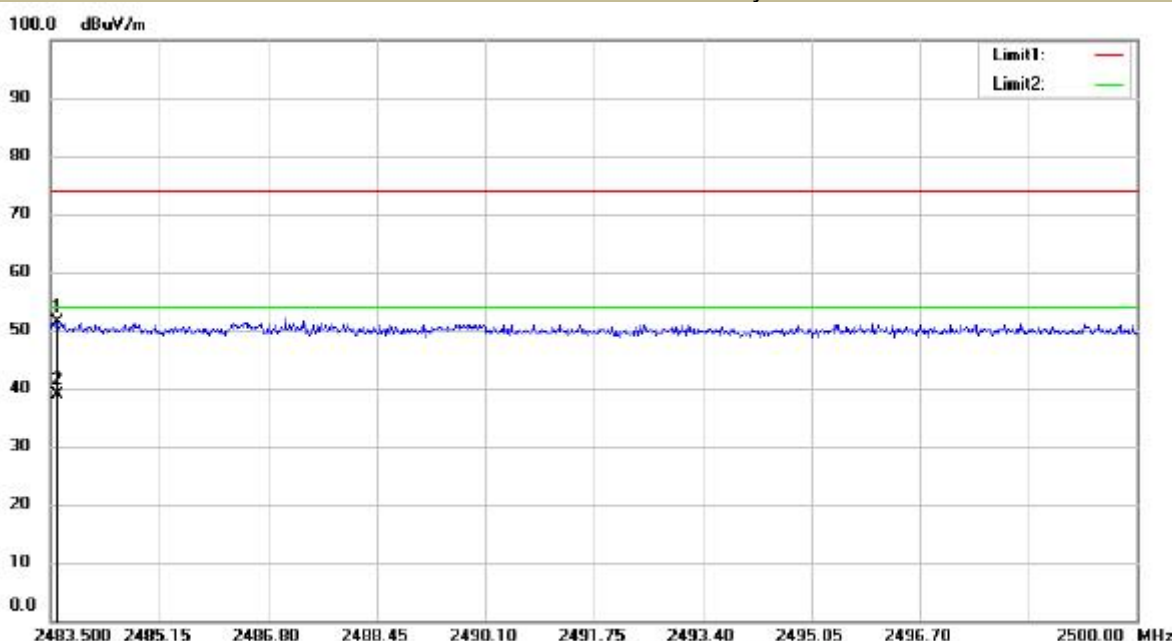
Humidity: 48 %

Test Model	Spurious Emission in Restricted Band 2483.5-2500MHz Bluetooth Channel 78: 2480MHz	GFSK	H
		Test By: XW	



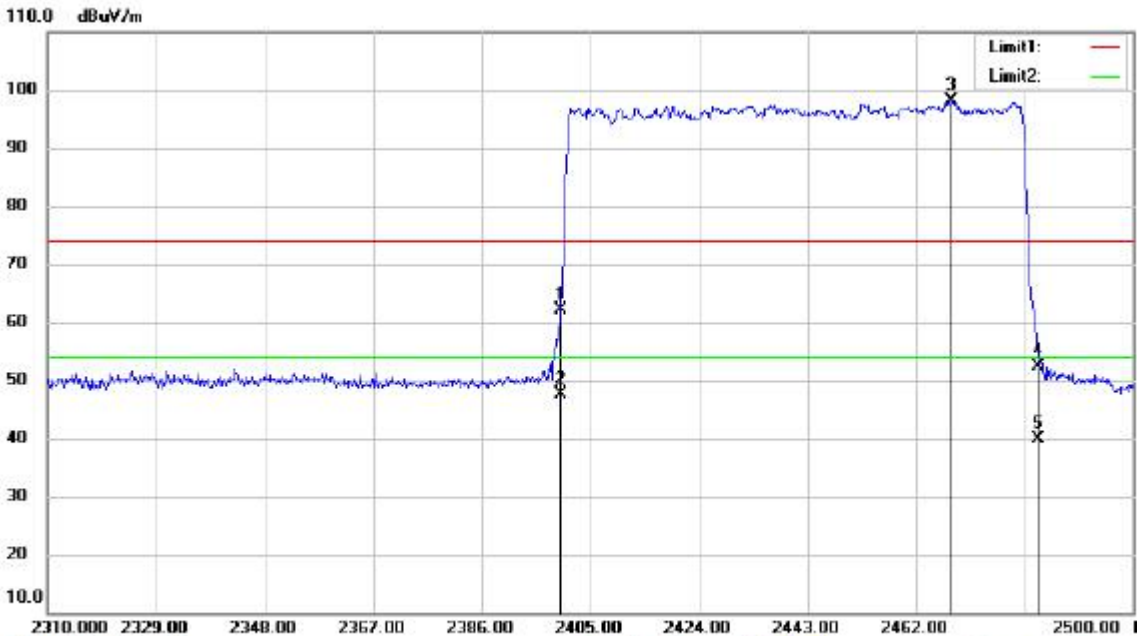
Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 29.5 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 48 %

Test Model	Spurious Emission in Restricted Band 2483.5-2500MHz Bluetooth Channel 78: 2480MHz	GFSK	V
		Test By: XW	



Site 3m Chamber #1 Polarization: **Vertical** Temperature: 29.5 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 48 %

Test Model	Spurious Emission in Restricted Band 2310-2390MHz and 2400-2483.5MHz		
	Bluetooth Hopping		
	GFSK Test By: XW		H



Site 3m Chamber #1

Polarization: **Vertical**

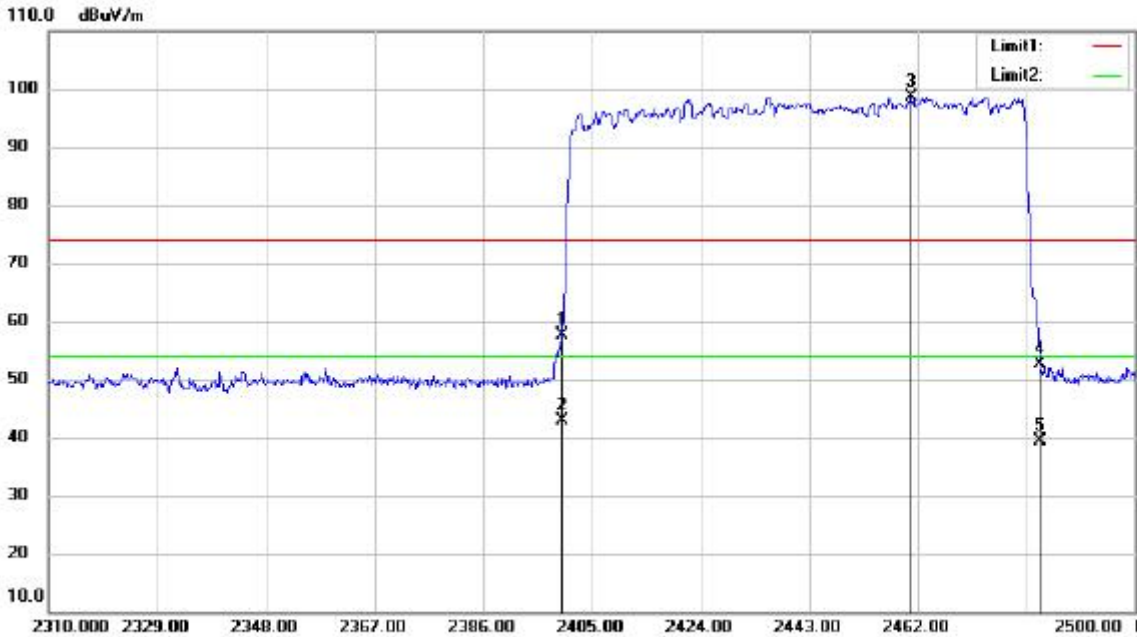
Temperature: 29.5 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 48 %

Test Model	Spurious Emission in Restricted Band 2310-2390MHz and 2400-2483.5MHz		
	Bluetooth Hopping		
	GFSK Test By: XW		V



Site 3m Chamber #1

Polarization: **Horizontal**

Temperature: 29.5 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 48 %

■ Spurious Emission below 1GHz (30MHz to 1GHz)

Bluetooth (GFSK, pi/4-DQPSK) mode have been tested, and the worst result(GFSK) was report as below:



Site 3m Chamber #1

Limit: (RE)FCC PART 15 CLASS B

Mode: BT 2402MHz

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Temperature: 29.5 C

Humidity: 48 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		41.8228	43.29	-12.87	30.42	40.00	-9.58	QP		
2		54.1660	44.59	-11.96	32.63	40.00	-7.37	QP		
3	*	76.8816	50.70	-14.47	36.23	40.00	-3.77	QP		
4	!	152.9990	53.14	-13.85	39.29	43.50	-4.21	QP		
5		343.0295	40.56	-7.76	32.80	46.00	-13.20	QP		
6		826.0438	30.80	2.26	33.06	46.00	-12.94	QP		



Site 3m Chamber #1

Polarization: **Horizontal**

Temperature: 29.5 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 48 %

Mode: BT 2402MHz

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		75.9771	48.26	-14.34	33.92	40.00	-6.08	QP		
2	*	156.5950	52.98	-13.91	39.07	43.50	-4.43	QP		
3		209.8641	48.58	-13.46	35.12	43.50	-8.38	QP		
4		320.6388	48.59	-8.72	39.87	46.00	-6.13	QP		
5		336.0350	46.18	-7.98	38.20	46.00	-7.80	QP		
6		832.5870	31.80	2.54	34.34	46.00	-11.66	QP		



Site 3m Chamber #1

Polarization: **Vertical**

Temperature: 29.5 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 48 %

Mode: BT 2441MHz

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		63.6471	45.27	-12.08	33.19	40.00	-6.81	QP		
2	!	75.9770	50.34	-14.34	36.00	40.00	-4.00	QP		
3		134.7950	50.32	-14.20	36.12	43.50	-7.38	QP		
4	*	156.5950	53.62	-13.91	39.71	43.50	-3.79	QP		
5		343.0295	39.06	-7.76	31.30	46.00	-14.70	QP		
6		826.0438	30.80	2.26	33.06	46.00	-12.94	QP		



Site 3m Chamber #1

Polarization: **Horizontal**

Temperature: 29.5 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 48 %

Mode: BT 2441MHz

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1	!	75.9771	48.76	-14.34	34.42	40.00	-5.58	QP		
2	*	156.5950	53.98	-13.91	40.07	43.50	-3.43	QP		
3		207.8500	47.52	-13.55	33.97	43.50	-9.53	QP		
4		320.6388	48.09	-8.72	39.37	46.00	-6.63	QP		
5		336.0350	46.18	-7.98	38.20	46.00	-7.80	QP		
6		832.5870	30.80	2.54	33.34	46.00	-12.66	QP		



Site 3m Chamber #1

Polarization: **Vertical**

Temperature: 29.5 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 48 %

Mode: BT 2480MHz

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		58.9217	44.41	-12.04	32.37	40.00	-7.63	QP		
2	!	79.7651	50.89	-14.89	36.00	40.00	-4.00	QP		
3		134.7950	50.32	-14.20	36.12	43.50	-7.38	QP		
4	*	152.9990	53.64	-13.85	39.79	43.50	-3.71	QP		
5		337.6591	41.97	-7.90	34.07	46.00	-11.93	QP		
6		848.4280	30.07	2.91	32.98	46.00	-13.02	QP		



Site 3m Chamber #1

Polarization: **Horizontal**

Temperature: 29.5 C

Limit: (RE)FCC PART 15 CLASS B
Mode: BT 2480MHz

Power: AC 120V/60Hz

Humidity: 48 %

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	!	75.9771	48.76	-14.34	34.42	40.00	-5.58	QP		
2	*	156.5950	53.48	-13.91	39.57	43.50	-3.93	QP		
3		207.8500	49.02	-13.55	35.47	43.50	-8.03	QP		
4	!	320.6388	49.09	-8.72	40.37	46.00	-5.63	QP		
5		336.0350	45.18	-7.98	37.20	46.00	-8.80	QP		
6		832.5870	31.30	2.54	33.84	46.00	-12.16	QP		

9.8 CONDUCTED EMISSION TEST

9.8.1 Applicable Standard

According to FCC Part 15.207(a)

9.8.2 Conformance Limit

Conducted Emission Limit		
Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50
Note: 1. The lower limit shall apply at the transition frequencies 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.		

9.8.3 Test Configuration

Test according to clause 7.3 conducted emission test setup

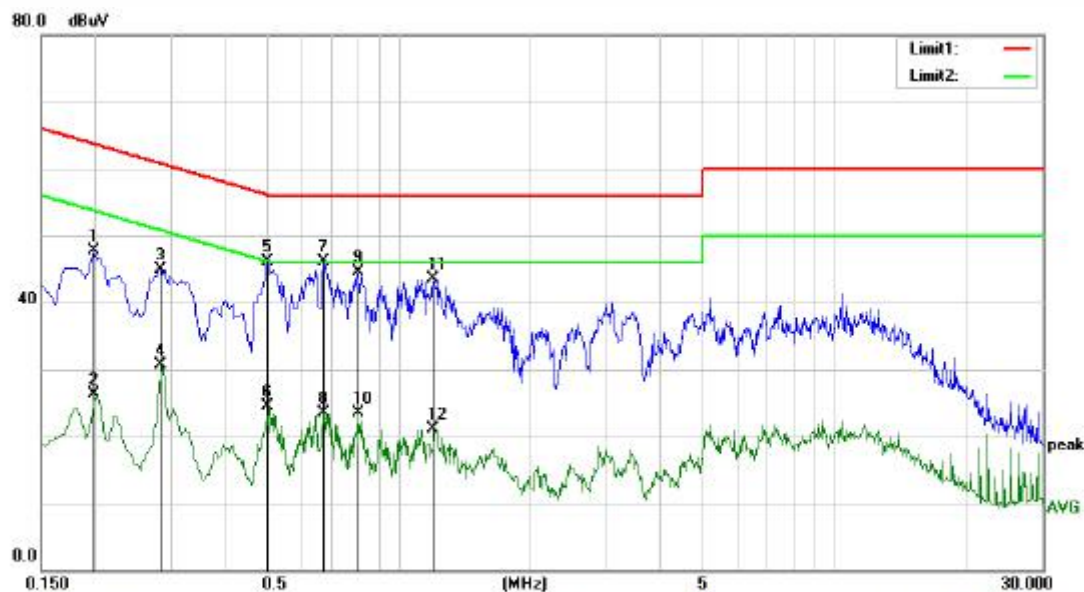
9.8.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Repeat above procedures until all frequency measured were complete.

9.8.5 Test Results

Pass

The 120V &240V voltage have been tested, and the worst result recorded was report as below:



Site: Conduction #2

Limit: (CE)FCC PART 15 class B_QP

Mode: USB PLAY+LIGHT

Note:

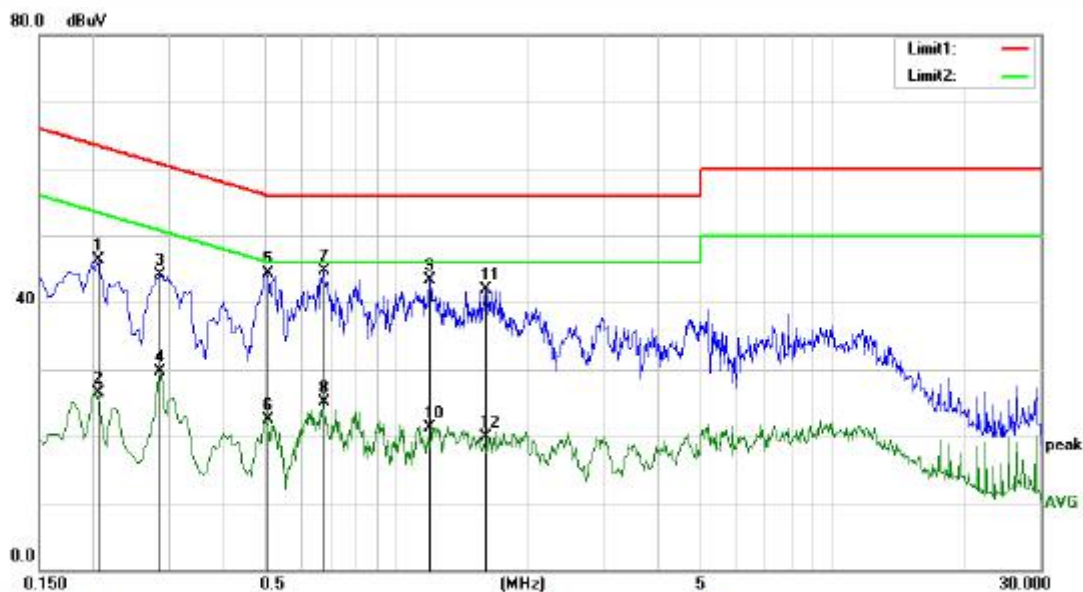
Phase: **N**

Power: AC 120V/60Hz

Temperature: 25.0

Humidity: 49 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1980	37.26	10.43	47.69	63.69	-16.00	QP	
2		0.1980	15.91	10.43	26.34	53.69	-27.35	AVG	
3		0.2820	34.51	10.40	44.91	60.76	-15.85	QP	
4		0.2820	20.30	10.40	30.70	50.76	-20.06	AVG	
5		0.4980	35.69	10.35	46.04	56.03	-9.99	QP	
6		0.4980	14.12	10.35	24.47	46.03	-21.56	AVG	
7	*	0.6700	35.83	10.35	46.18	56.00	-9.82	QP	
8		0.6700	13.09	10.35	23.44	46.00	-22.56	AVG	
9		0.8020	34.06	10.37	44.43	56.00	-11.57	QP	
10		0.8020	13.06	10.37	23.43	46.00	-22.57	AVG	
11		1.1940	33.12	10.40	43.52	56.00	-12.48	QP	
12		1.1940	10.69	10.40	21.09	46.00	-24.91	AVG	



Site Conduction #2

Limit: (CE)FCC PART 15 class B_QP

Mode: USB PLAY+LIGHT

Note:

Phase: L1

Power: AC 120V/60Hz

Temperature: 25.0

Humidity: 49 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2060	35.88	10.43	46.31	63.37	-17.06	QP	
2		0.2060	16.16	10.43	26.59	53.37	-26.78	AVG	
3		0.2860	33.64	10.40	44.04	60.64	-16.60	QP	
4		0.2860	19.38	10.40	29.78	50.64	-20.86	AVG	
5		0.5060	33.89	10.35	44.24	56.00	-11.76	QP	
6		0.5060	12.17	10.35	22.52	46.00	-23.48	AVG	
7	*	0.6780	34.29	10.35	44.64	56.00	-11.36	QP	
8		0.6780	14.75	10.35	25.10	46.00	-20.90	AVG	
9		1.1900	32.84	10.40	43.24	56.00	-12.76	QP	
10		1.1900	11.00	10.40	21.40	46.00	-24.60	AVG	
11		1.5980	31.55	10.36	41.91	56.00	-14.09	QP	
12		1.5980	9.49	10.36	19.85	46.00	-26.15	AVG	

9.9 ANTENNA APPLICATION

9.9.1 Antenna Requirement

Standard	Requirement
FCC CRF Part 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

9.9.2 Result

PASS.

The EUT has 1 antenna: a PCB Antennna for BT with classic model, the gain is1.5 dBi;

Note: ☒ Antenna use a permanently attached antenna which is not replaceable.
☐ Not using a standard antenna jack or electrical connector for antenna replacement
☐ The antenna has to be professionally installed (please provide method of installation)

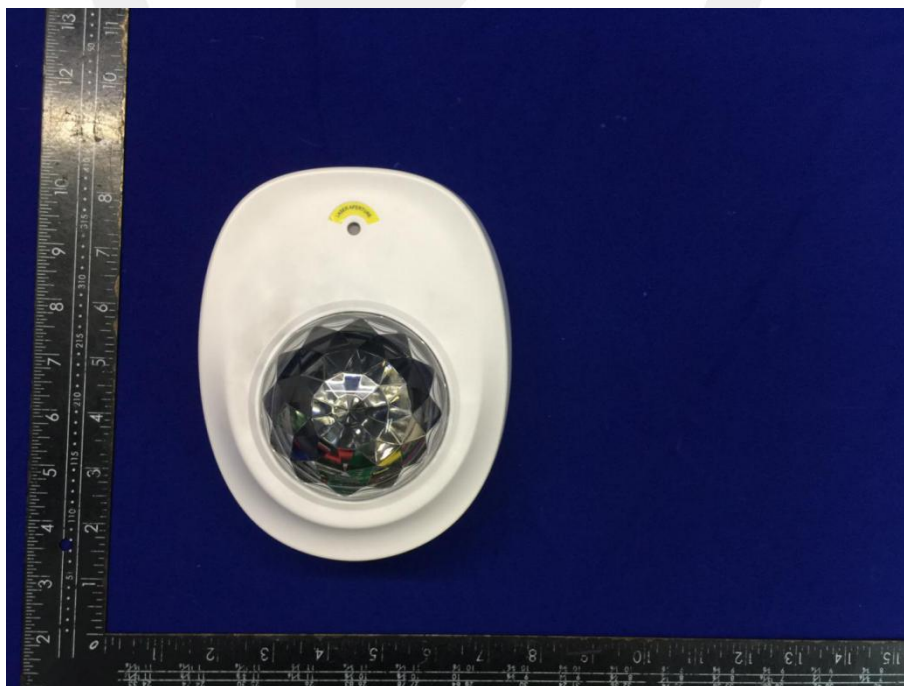
which in accordance to section 15.203, please refer to the internal photos.

9.10 PHOTOGRAPHS OF EUT

EUT View 1



EUT View 2



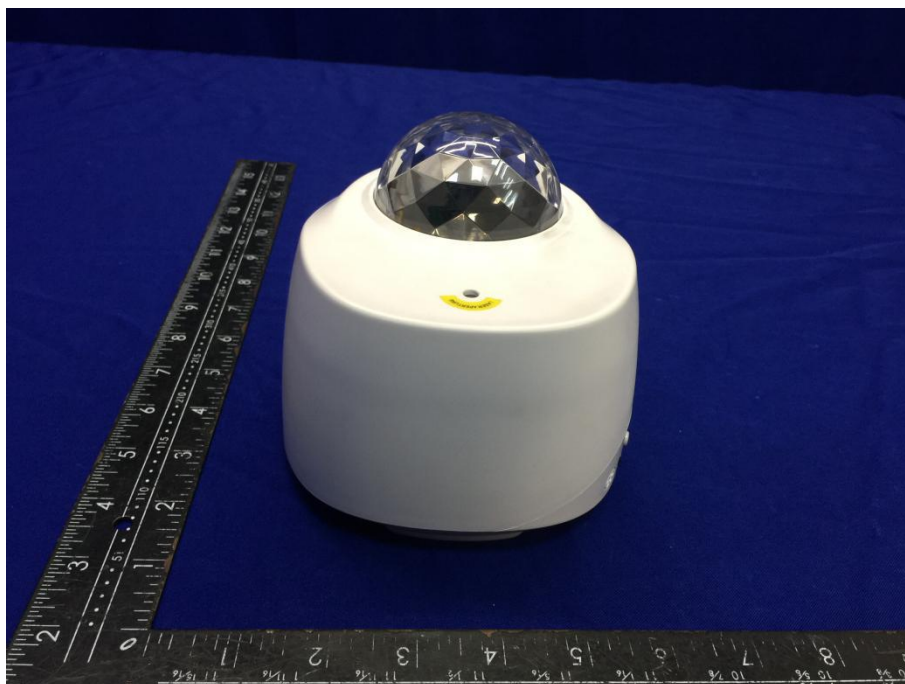
EUT View 3



EUT View 4



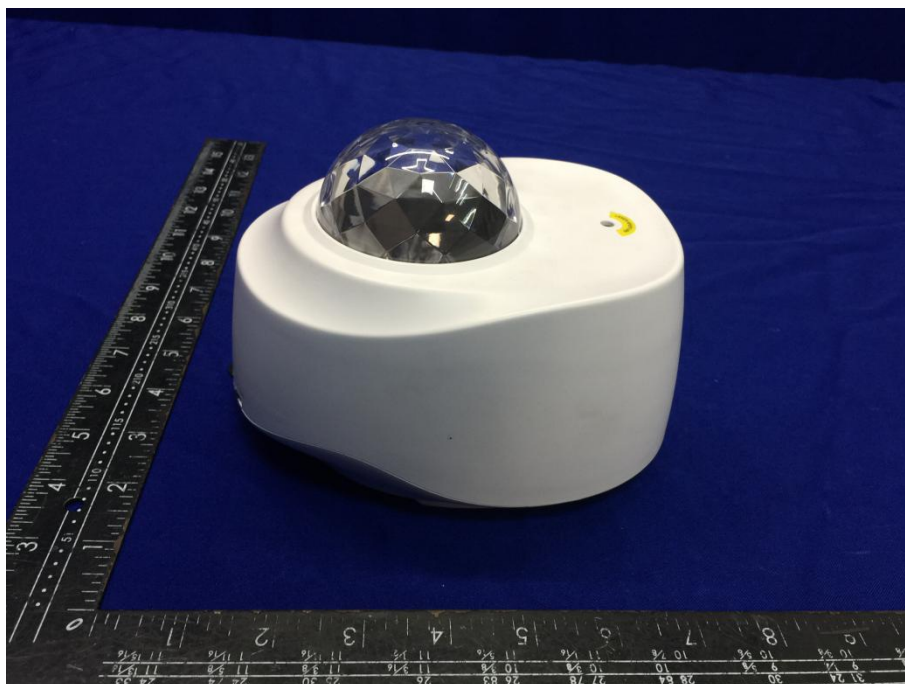
EUT View 5



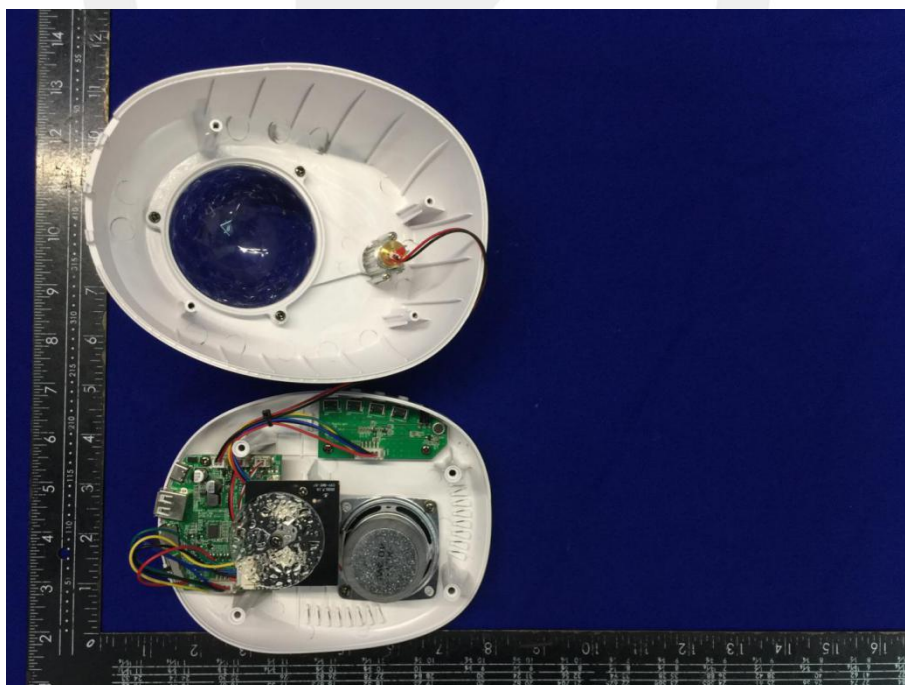
EUT View 6



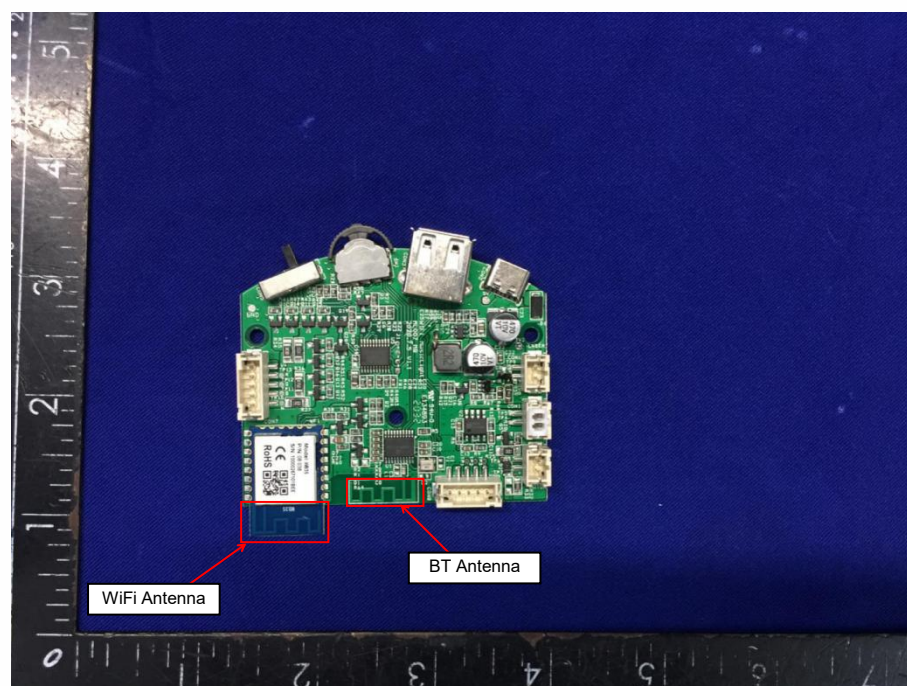
EUT View 7



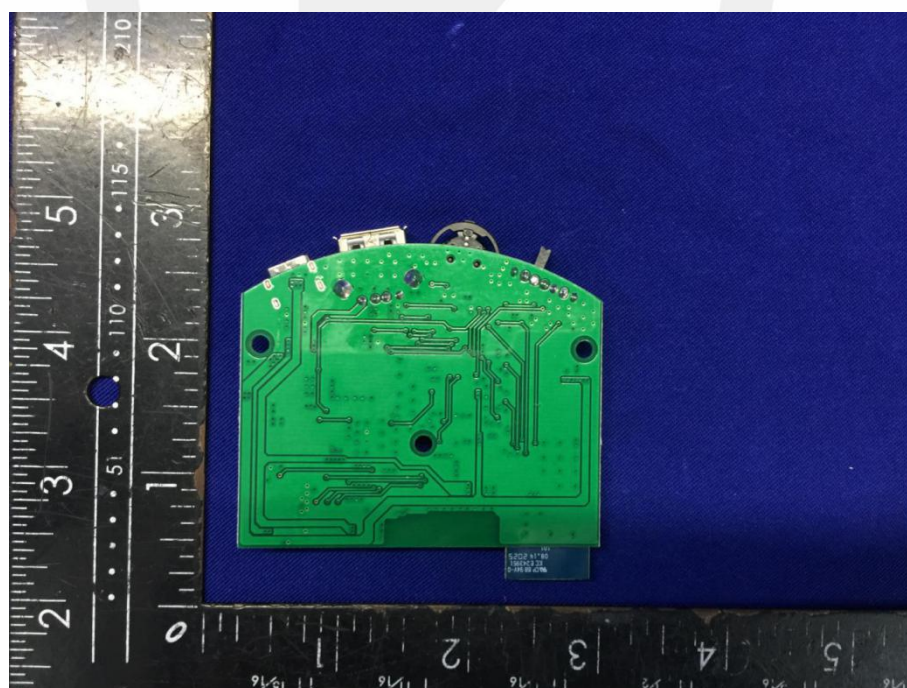
EUT Housing and Board View 1



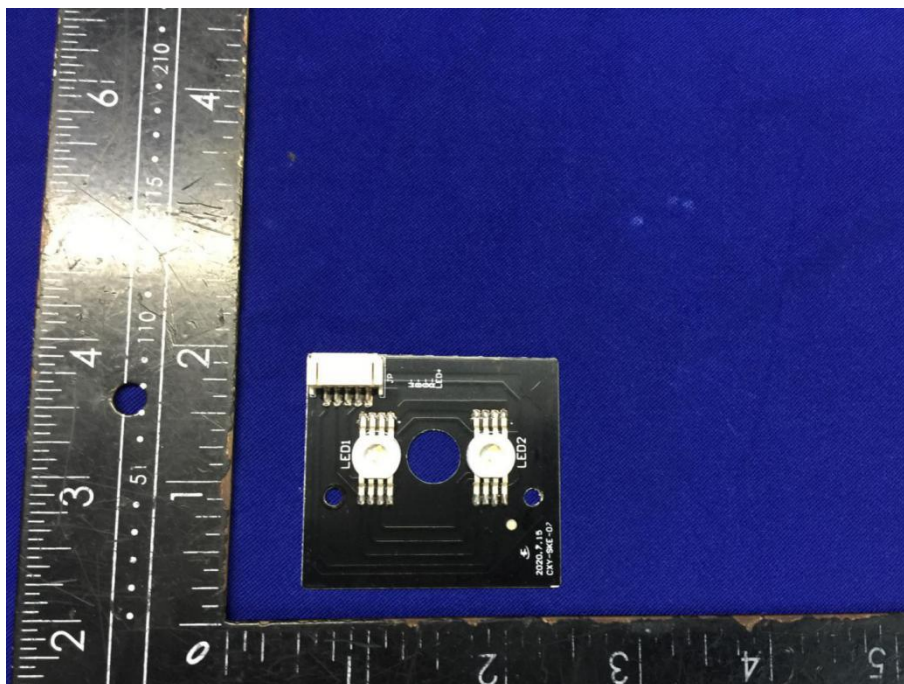
Solder Board-Component View 1



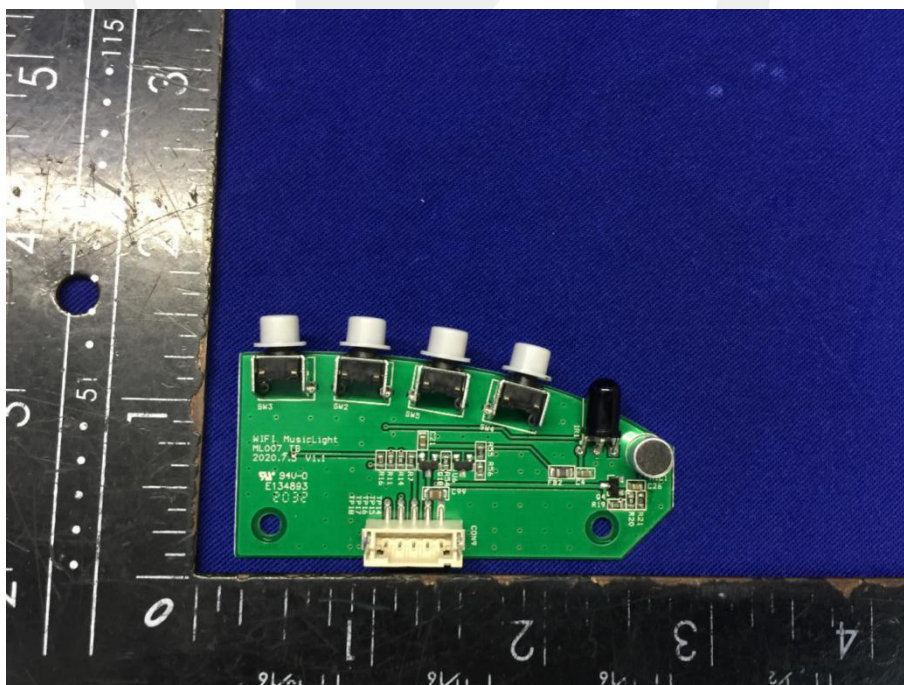
Solder Board-Component View 2



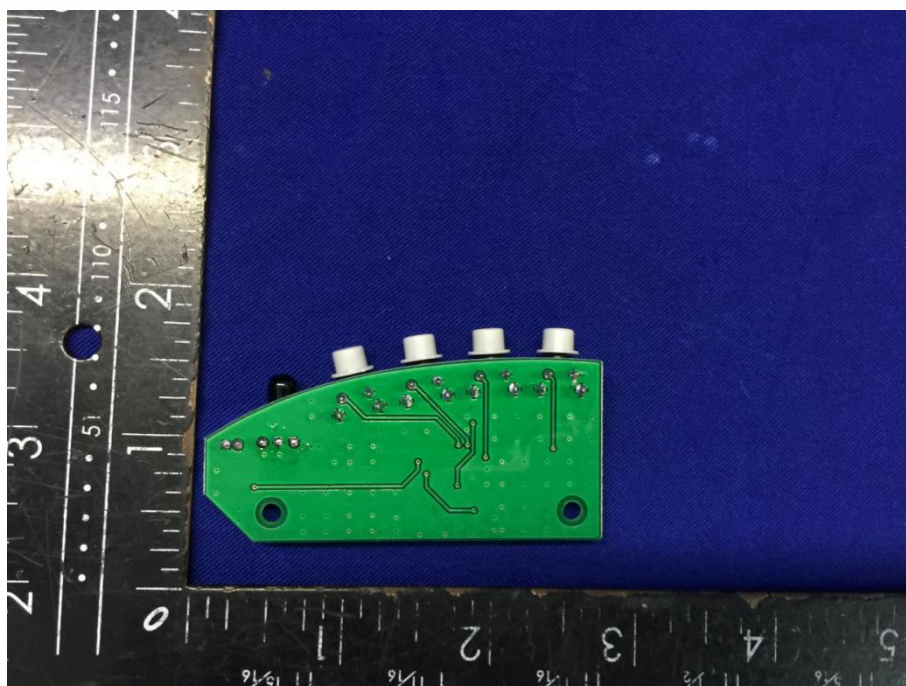
Solder Board-Component View 3



Solder Board-Component View 4



Solder Board-Component View 5



Detail of factor for radiated emission

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

----- END OF REPORT -----