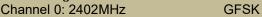


Test Mode

Band-edge Conducted Emissions Transmiting





Test Mode

Maximum Conduceted Level RBW=100kHz Transmiting



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Test Mode

Conduceted Spurious RF Conducted Emission Transmiting

Channel 39: 2441MHz GFSK



Test Mode

Maximum Conduceted Level RBW=100kHz Transmiting



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Test Mode

Conduceted Spurious RF Conducted Emission Transmiting

Channel 78: 2480MHz GFSK



Test Mode

Band-edge Conducted Emissions Transmiting

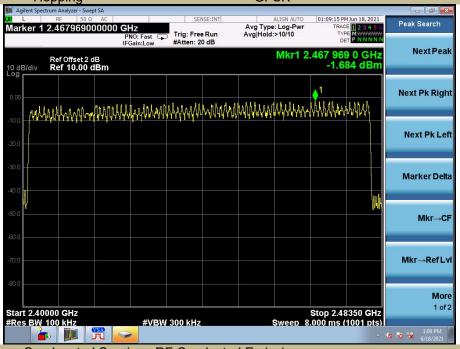
Channel 78: 2480MHz GFSK



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Test Mode Maximum Conduceted Level RBW=100kHz
Transmiting
Hopping GFSK



Test Mode

Conduceted Spurious RF Conducted Emission Transmiting Hopping GFSK

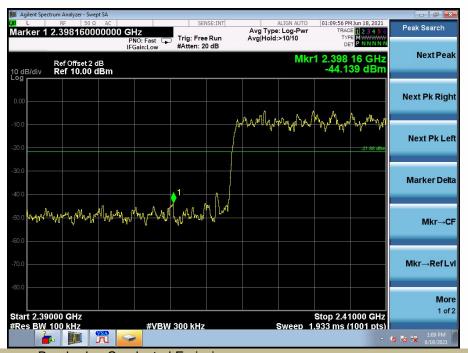


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Band-edge Conducted Emissions

Test Mode Transmiting
Hopping GFSK



Band-edge Conducted Emissions
Test Mode Transmiting
Hopping GFSK

Peak Search r 1 2.486950000000 GHz Avg Type: Log-Pwi Avg|Hold:>10/10 Next Peak 2.486 95 GHz -43.061 dBm Ref Offset 2 dB Ref 10.00 dBm **Next Pk Right** alayayaryayarana,ayay,laydarana,ayararaylarana,laran Jaren Jaren Jaren Jaren Jaren Jaren Jaren Jaren Jaren Jar Next Pk Left Marker Delta Mkr→CF Mkr→Ref Lvl 1 of 2 Start 2.45000 GHz #Res BW 100 kHz Stop 2.50000 GHz 4.800 ms (1001 pts) #VBW 300 kHz

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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 Part15.205, 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	8.291-8.294 149.9-150.05		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 Part15.205, the level of any transmitter spurious emission in Restricted bands shall not exceed the level of the emission specified in the following table

not exceed the level of the chinesian epochica in the fellowing table						
Restricted	Field Strength (µV/m)	Field Strength	Measurement			
Frequency(MHz)		(dBµV/m)	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

 $VBW \ge RBW$

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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

 $VBW \ge RBW$

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

 $VBW \ge RBW$

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

 $VBW \ge RBW$

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 20log(dwell time/100 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

Temperature:	26° C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

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

Freq. (MHz)	Ant.Pol.	Emis Level(d	ssion BuV/m)	Limit 3m	(dBuV/m)	Ove	er(dB)
(IVITZ)	H/V	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 =40log(Specific distance/ test distance)(dB);

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

■ Spurious Emission Above 1GHz (1GHz to 25GHz)

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

Test mode:	GFSK	Frequency:	Channel 0: 2402MHz

Freq.	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
(MHz) H/	H/V	PK `	AV	PK	AV	PK	AV
4801.334	V	47.35	36.59	74	54	-26.65	-17.41
7116.513	V	51.82	40.28	74	54	-22.18	-13.72
14443.86	V	57.75	46.73	74	54	-16.25	-7.27
5521.465	Н	47.35	38.19	74	54	-26.65	-15.81
8436.068	Н	52.07	41.05	74	54	-21.93	-12.95
11911.23	Н	56.51	45.31	74	54	-17.49	-8.69

	Test mode:	GFSK	Frequency:	Channel 39: 2441MHz
--	------------	------	------------	---------------------

Freq.	Ant.Pol.	Emission Lev	/el(dBuV/m)	Limit 3m	(dBuV/m)	Ove	r(dB)
(MHz)	H/V	PK	AV	PK	AV	PK	AV
4940.707	V	46.71	35.21	74	54	-27.29	-18.79
7697.468	V	51.66	40.81	74	54	-22.34	-13.19
14437.6	V	57.49	46.53	74	54	-16.51	-7.47
4801.334	Н	48.05	37.51	74	54	-25.95	-16.49
9602.322	Н	53.01	42.08	74	54	-20.99	-11.92
14425.09	Н	57.40	46.83	74	54	-16.60	-7.17

Test mode:	GFSK	Frequency:	Channel 78: 2480MHz
------------	------	------------	---------------------

Freq.	Ant.Pol.		Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV	
5431.244	V	46.87	35.18	74	54	-27.13	-18.82	
8025.768	V	51.26	40.33	74	54	-22.74	-13.67	
11885.44	V	56.10	45.67	74	54	-17.90	-8.33	
5469.051	Н	46.49	35.27	74	54	-27.51	-18.73	
11595.32	Н	55.66	45.13	74	54	-18.34	-8.87	
14481.49	Н	57.75	46.88	74	54	-16.25	-7.12	

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

- (2) Emission Level= Reading Level+Correct Factor.
- (3) Correct Factor= Ant_F + Cab_L Preamp
- (4) 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, 8DPSK, Hopping) mode have been tested, and the worst result (GFSK, Hopping) was report as below:

Test mode:	GFSK	Frequency:		annel 0: 2402MH	Z
Frequency (MHz)	Polarity H/V	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
2354.780	Н	54.49	74	43.58	54
2353.828	V	49.96	74	37.63	54

rest mode:	GFSK	Frequenc	cy: Cn	annei 78: 2480MF	1Z
	T		T	I	
Frequency (MHz)	Polarity H/V	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
2483.826	Н	41.54	74	33.57	54
2486.576	V	40.56	74	32.73	54

rest mode.	Gran	Frequenc	υу. πυ	pping	
Frequency (MHz)	Polarity H/V	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
2400	Н	47.14	74	38.69	54
2483.5	Н	40.48	74	30.25	54
2400	V	43.16	74	33.59	54
2483.5	V	39.58	74	31.07	54

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

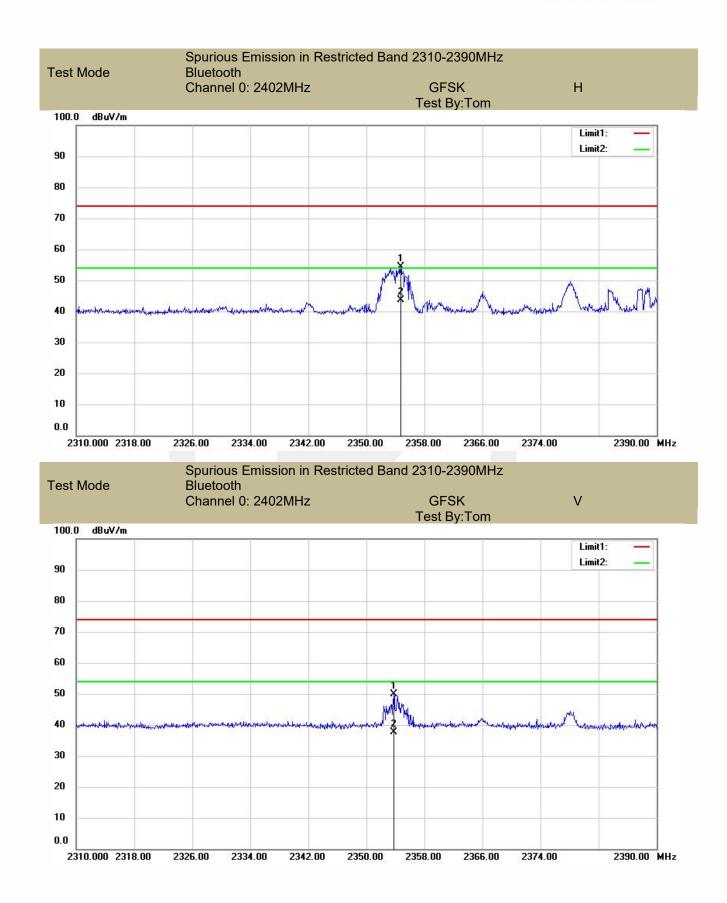
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⁽²⁾ Emission Level= Reading Level+Correct Factor.

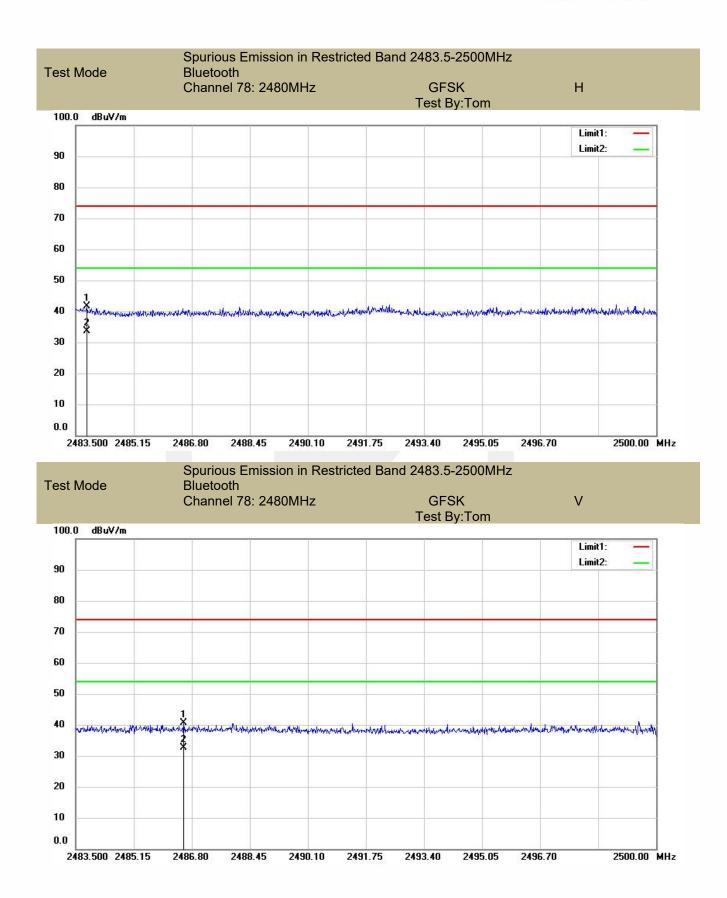
⁽³⁾ Correct Factor= Ant_F + Cab_L - Preamp

⁽⁴⁾ The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

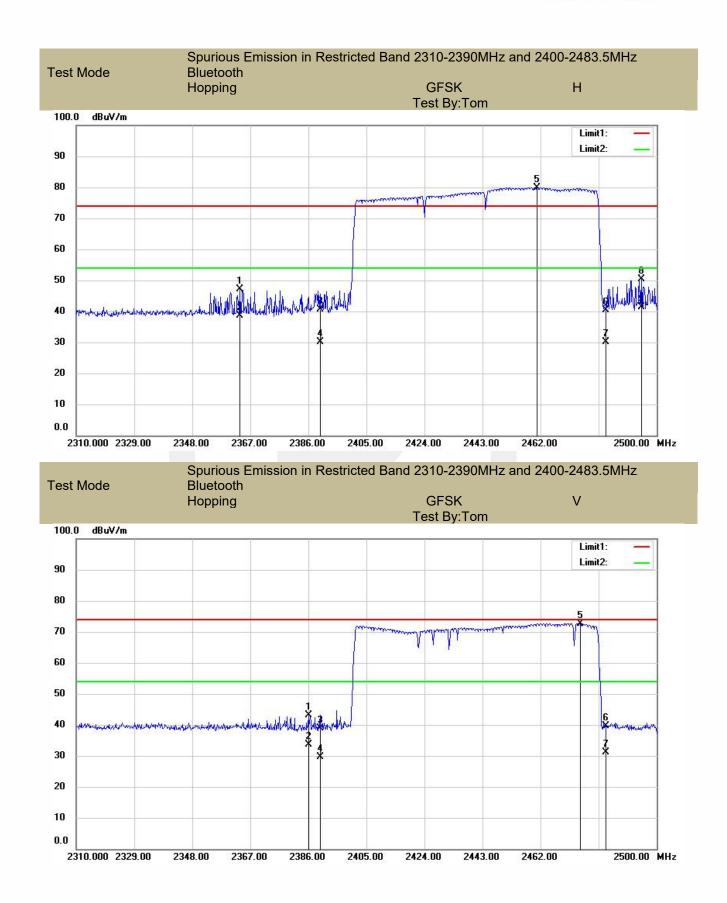








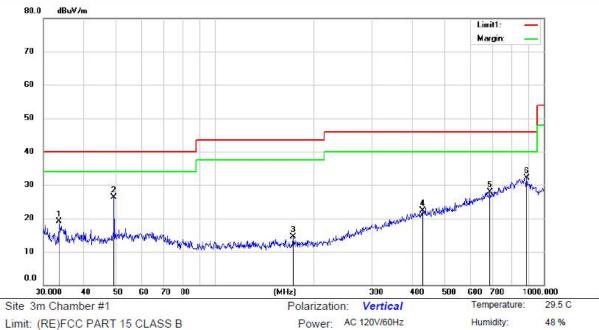






Spurious Emission below 1GHz (30MHz to 1GHz)

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



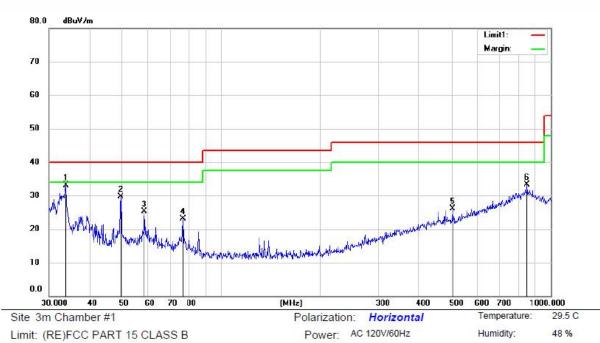
Limit: (RE)FCC PART 15 CLASS B

Mode:2402 Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		33.4742	33.27	-14.23	19.04	40.00	-20.96	QP			
2	*	49.2082	38.54	-12.21	26.33	40.00	-13.67	QP			
3		173.1291	28.28	-13.87	14.41	43.50	-29.09	QP			
4		428.5824	27.93	-5.69	22.24	46.00	-23.76	QP			
5		689.2622	28.95	-1.09	27.86	46.00	-18.14	QP			
6		888.3883	30.48	1.53	32.01	46.00	-13.99	QP			

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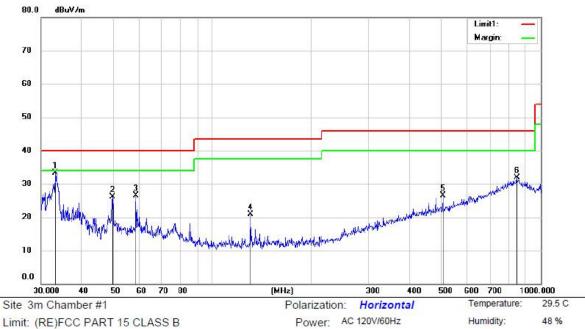


Limit: (RE)FCC PART 15 CLASS B

Mode:2402 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	33.7986	47.20	-14.18	33.02	40.00	-6.98	QP			
2		49.5545	41.84	-12.11	29.73	40.00	-10.27	QP			
3		58.4330	37.44	-12.07	25.37	40.00	-14.63	QP			
4		76.5456	37.55	-14.42	23.13	40.00	-16.87	QP			
5		504.0430	31.17	-4.99	26.18	46.00	-19.82	QP			
6	(848.4281	30.31	2.91	33.22	46.00	-12.78	QP			



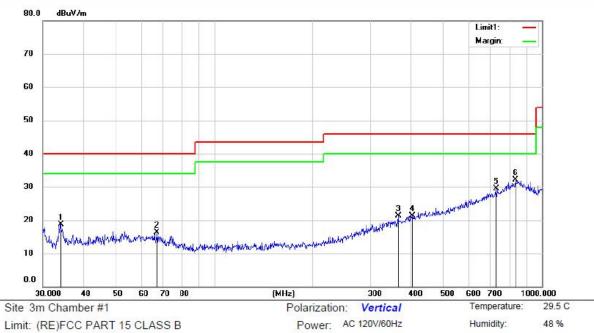


Limit: (RE)FCC PART 15 CLASS B

Mode:2441 Note:

Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
*	33.1095	47.59	-14.28	33.31	40.00	-6.69	QP			
	49.5328	38.28	-12.12	26.16	40.00	-13.84	QP			
	58.4331	38.56	-12.07	26.49	40.00	-13.51	QP			
	130.5505	35.05	-14.24	20.81	43.50	-22.69	QP			
į	504.0430	31.49	-4.99	26.50	46.00	-19.50	QP			
8	847.3132	29.00	2.91	31.91	46.00	-14.09	QP			
	*	MHz * 33.1095 49.5328	Mk. Freq. Level MHz dBuV * 33.1095 47.59 49.5328 38.28 58.4331 38.56 130.5505 35.05 504.0430 31.49	Mk. Freq. Level dBuV dB Factor dBuV dB * 33.1095 47.59 -14.28 49.5328 38.28 -12.12 58.4331 38.56 -12.07 130.5505 35.05 -14.24 504.0430 31.49 -4.99	Mk. Freq. Level Factor ment MHz dBuV dB dBuV/m * 33.1095 47.59 -14.28 33.31 49.5328 38.28 -12.12 26.16 58.4331 38.56 -12.07 26.49 130.5505 35.05 -14.24 20.81 504.0430 31.49 -4.99 26.50	Mk. Freq. Level Factor ment Limit MHz dBuV dB dBuV/m dBuV/m * 33.1095 47.59 -14.28 33.31 40.00 49.5328 38.28 -12.12 26.16 40.00 58.4331 38.56 -12.07 26.49 40.00 130.5505 35.05 -14.24 20.81 43.50 504.0430 31.49 -4.99 26.50 46.00	Mk. Freq. Level Factor ment Limit Over MHz dBuV dB dBuV/m dBuV/m dB * 33.1095 47.59 -14.28 33.31 40.00 -6.69 49.5328 38.28 -12.12 26.16 40.00 -13.84 58.4331 38.56 -12.07 26.49 40.00 -13.51 130.5505 35.05 -14.24 20.81 43.50 -22.69 504.0430 31.49 -4.99 26.50 46.00 -19.50	Mk. Freq. Level Factor ment Limit Over MHz dBuV dB dBuV/m dBuV/m dB Detector * 33.1095 47.59 -14.28 33.31 40.00 -6.69 QP 49.5328 38.28 -12.12 26.16 40.00 -13.84 QP 58.4331 38.56 -12.07 26.49 40.00 -13.51 QP 130.5505 35.05 -14.24 20.81 43.50 -22.69 QP 504.0430 31.49 -4.99 26.50 46.00 -19.50 QP	Mk. Freq. Level Factor ment Limit Over Height MHz dBuV dB dBuV/m dBuV/m dB Detector cm * 33.1095 47.59 -14.28 33.31 40.00 -6.69 QP 49.5328 38.28 -12.12 26.16 40.00 -13.84 QP 58.4331 38.56 -12.07 26.49 40.00 -13.51 QP 130.5505 35.05 -14.24 20.81 43.50 -22.69 QP 504.0430 31.49 -4.99 26.50 46.00 -19.50 QP	Mk. Freq. Level Factor ment Limit Over Height Degree MHz dBuV dB dBuV/m dB Detector cm degree * 33.1095 47.59 -14.28 33.31 40.00 -6.69 QP 49.5328 38.28 -12.12 26.16 40.00 -13.84 QP 58.4331 38.56 -12.07 26.49 40.00 -13.51 QP 130.5505 35.05 -14.24 20.81 43.50 -22.69 QP 504.0430 31.49 -4.99 26.50 46.00 -19.50 QP



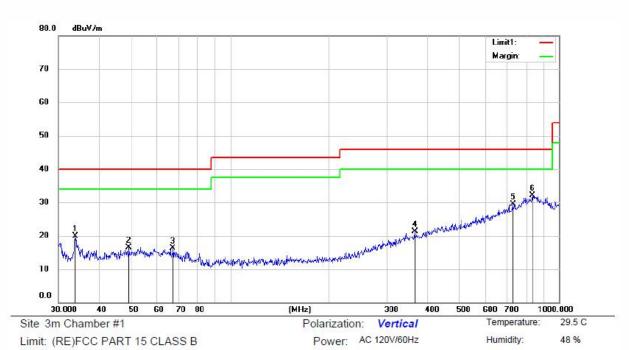


Limit: (RE)FCC PART 15 CLASS B

Mode:2441 Note:

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		34.1112	32.81	-14.11	18.70	40.00	-21.30	QP			
2		67.0845	28.88	-12.55	16.33	40.00	-23.67	QP			
3		365.0587	28.58	-7.33	21.25	46.00	-24.75	QP			
4	0	403.2500	27.67	-6.31	21.36	46.00	-24.64	QP			
5		724.8963	29.73	-0.28	29.45	46.00	-16.55	QP			
6	*	832.5870	29.60	2.54	32.14	46.00	-13.86	QP			

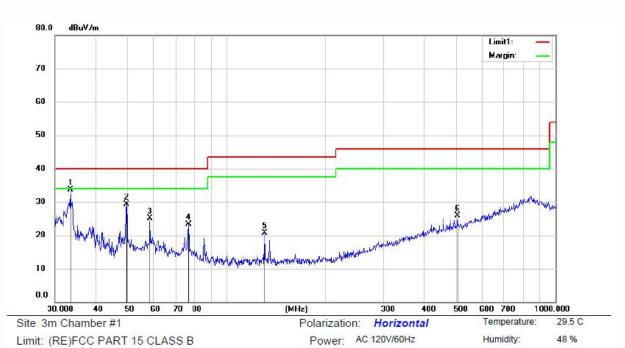




Mode:2480 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		33.8135	34.08	-14.18	19.90	40.00	-20.10	QP			
2		49.2730	28.67	-12.19	16.48	40.00	-23.52	QP			
3		67.0845	28.88	-12.55	16.33	40.00	-23.67	QP			
4		365.0587	28.58	-7.33	21.25	46.00	-24.75	QP			
5	-	724.8963	29.73	-0.28	29.45	46.00	-16.55	QP			
6	*	832.5870	29.60	2.54	32.14	46.00	-13.86	QP			





Mode: 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	33.5183	47.91	-14.22	33.69	40.00	-6.31	QP			
2		49.5762	41.45	-12.11	29.34	40.00	-10.66	QP			
3		58.4331	37.24	-12.07	25.17	40.00	-14.83	QP			
4		76.5456	37.78	-14.42	23.36	40.00	-16.64	QP			
5	1	130.6077	34.92	-14.24	20.68	43.50	-22.82	QP			
6	į	504.0430	30.83	-4.99	25.84	46.00	-20.16	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

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

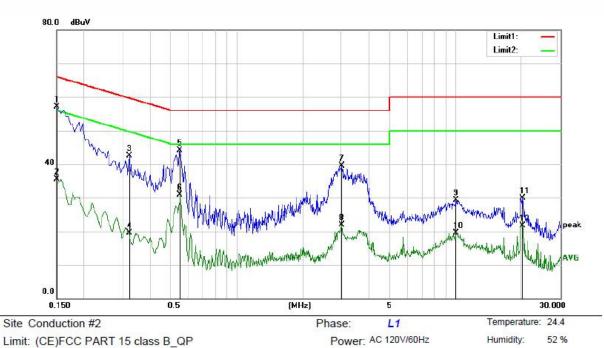
Pass

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

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^{2.} The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.





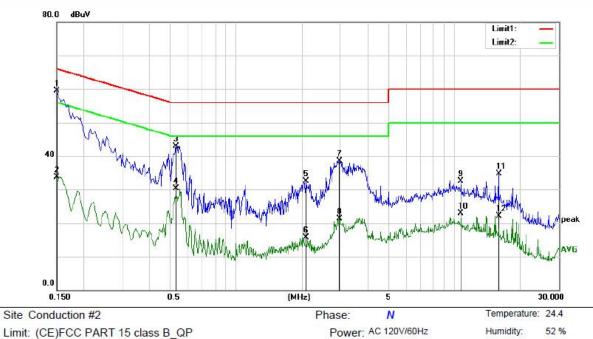
Limit: (CE)FCC PART 15 class B_QP

Mode: BT Mode

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	46.68	10.48	57.16	66.00	-8.84	QP	
2		0.1500	24.94	10.48	35.42	56.00	-20.58	AVG	
3		0.3220	32.20	10.39	42.59	59.66	-17.07	QP	
4		0.3220	9.03	10.39	19.42	49.66	-30.24	AVG	
5		0.5500	33.70	10.35	44.05	56.00	-11.95	QP	
6		0.5500	20.47	10.35	30.82	46.00	-15.18	AVG	
7		3.0180	29.10	10.38	39.48	56.00	-16.52	QP	
8		3.0180	11.57	10.38	21.95	46.00	-24.05	AVG	
9		10.0580	18.43	10.80	29.23	60.00	-30.77	QP	
10		10.0580	8.71	10.80	19.51	50.00	-30.49	AVG	
11	Š.	20.1220	19.06	10.76	29.82	60.00	-30.18	QP	
12	1	20.1220	10.98	10.76	21.74	50.00	-28.26	AVG	





Limit: (CE)FCC PART 15 class B_QP

Mode: BT Mode

Note:

No. MI	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBu∨	dB	Detector	Comment
1 *	0.1500	49.10	10.48	59.58	66.00	-6.42	QP	
2	0.1500	23.22	10.48	33.70	56.00	-22.30	AVG	
3	0.5300	32.52	10.35	42.87	56.00	-13.13	QP	
4	0.5300	19.87	10.35	30.22	46.00	-15.78	AVG	
5	2.0940	22.22	10.33	32.55	56.00	-23.45	QP	
6	2.0940	5.46	10.33	15.79	46.00	-30.21	AVG	
7	2.9660	28.10	10.38	38.48	56.00	-17.52	QP	
8	2.9660	10.97	10.38	21.35	46.00	-24.65	AVG	
9	10.6940	21.70	10.78	32.48	60.00	-27.52	QP	
10	10.6940	12.09	10.78	22.87	50.00	-27.13	AVG	
11	15.9260	24.01	10.72	34.73	60.00	-25.27	QP	
12	15.9260	11.47	10.72	22.19	50.00	-27.81	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 Antenna for BT , the Max. gain is -0.58 dBi;
Note:	\boxtimes	Antennas 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)
W	/hich	in accordance to section 15.203, please refer to the internal photos.

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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 -----