FCC PART 15C TEST REPORT FOR CERTIFICATION On Behalf of

INMUSIC BRANDS INC

Rackmount Bluetooth Receiver

Model Number: DN-300BR

Project Code: DP26

FCC ID: Y4O-DP26

Prepared for:	INMUSIC BRANDS INC	
	200 SCENIC VIEW DRIVE, SUITE 201, CUMBERLAND,RI	
	02864,U.S.A.	
Prepared By:	EST Technology Co., Ltd.	
San Tun Management Zone, Houjie District, Dongguan, China		
Tel: 86-769-83081888-808		

Report Number:	ESTE-R1705116
Date of Test:	April 11 ~ May 19, 2017
Date of Report:	May 23, 2017



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Test Report Verification

Test Report Verification				
Applicant:	INMUSIC BRANDS INC			
Address:	200 SCENIC VIEW DRIVE, SUITE 201, CUMBERLAND,RI 02864,U.S.A.			
Manufacturer:	INMUSIC BRANDS INC			
Address:	200 SCENIC VIEW DRIVE, SUITE 201, CUMBERLAND,RI 02864,U.S.A.			
E.U.T:	Rackmount Bluetooth Receiver			
Model Number:	DN-300BR			
Project Code:	DP26			
Power Supply:	AC 100-240V ~ 50/60Hz			
Test Voltage:	AC 120V/60Hz AC 240V/60Hz			
Trade Name:	DENON PROFESSIONAL Serial No.:			
Date of Receipt:	April 11, 2017 Date of Test: April 11 ~ May 20, 2017			
Test	FCC Rules and Regulations Part 15 Subpart C:2016			
Specification:	ANSI C63.10:2013			
Test Result:	The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart C requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd. Date: May 23, 2017			
Prepared by:	Tested by: Lumenth			
Ada / Assistant	Tony.Tang/ Engineer IcemanHu / Manager			
Other Aspects: None.				
Abbreviations: OK/P=	passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested			
	d on a single evaluation of one sample of above mentioned products, It is not permitted to be			



duplicated in extracts without written approval of EST Technology Co., Ltd.

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Product Name	:	Rackmount Bluetooth Receiver				
FCC ID	:	Y4O-DP26				
Model Number	:	DN-300BR				
Operation frequency	:	2402MHz~2480MHz				
Number of channel	:	79 40				
Antenna	:	Dipole antenna, 2.00 dBi gain Note: The device has two external antennas with BNC jack, The Bleutooth module has two ipex connector. The one at the front panel, another one at the back panel. There is only one antenna when the product is sold to the market. The client can select the port connection of the front panel or the port connection of the back panel.				
Modulation	:	Dual-mode Bluetooth 4.0 BT BDR: GFSK BT EDR: π/4-DQPSK BT EDR: 8-DPSK				
Sample Type	:	Prototype production				



2. SUMMARY OF TEST

2.1. Summary of test result

Description of Test Item	Standard	Results
Decree Line Condented Envision	FCC Part 15: 15.207	
Power Line Conducted Emission	ANSI C63.10:2013	PASS
	FCC Part 15: 15.209	
Radiated Emission	ANSI C63.10:2013	PASS
	KDB 558074	
	FCC Part 15: 15.247	
Band Edge Compliance	ANSI C63.10:2013	PASS
	KDB 558074	
	FCC Part 15: 15.247	
6dB Bandwidth	ANSI C63.10:2013	PASS
	KDB 558074	
	FCC Part 15: 15.247	
Peak Output Power	ANSI C63.10:2013	PASS
	KDB 558074	
	FCC Part 15: 15.247	
Power Spectral Density	ANSI C63.10:2013	PASS
	KDB 558074	
Antenna requirement	FCC Part 15: 15.203	PASS



2.2. Test Facilities

EMC Lab : Certificated by CNAL, CHINA

Registration No.: L5288

Date of registration: December 07, 2015

Certificated by FCC, USA Registration No.: 989591

Date of registration: November 15, 2016

Certificated by Industry Canada Registration No.: 9405A-1

Date of registration: December 30, 2015

Certificated by VCCI, Japan

Registration No.: R-3663 & C-4103 Date of registration: July 25, 2011

Certificated by TUV Rheinland, Germany Registration No.: UA 50195514 0001 Date of registration: January 07, 2011

Certificated by TUV/PS, Shenzhen

Registration No.: SCN1017

Date of registration: January 27, 2011

Certificated by Intertek ETL SEMKO Registration No.: 2011-RTL-L1-18 Date of registration: April 28, 2011

Certificated by Siemic, Inc. Registration No.: SLCN021

Date of registration: November 8, 2011

Certificated by Nemko, Hong Kong

Registration No.: 175193

Date of registration: May 4, 2011

Name of Firm : EST Technology Co., Ltd.

Site Location : San Tun Management Zone, Houjie Town, Dongguan,

Guangdong, China



2.3. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	2.54dB
Uncertainty for Radiation Emission test (30MHz-1GHz)	3.62
Uncertainty for Radiation Emission test (1GHz to 18GHz)	4.86
Uncertainty for radio frequency	7×10-8
Uncertainty for conducted RF Power	0.20dB
Uncertainty for Power density test	0.26dB

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

2.4. Assistant equipment used for test

2.4.1. N/A

2.5. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 or 1.5 meter high above ground. EUT was be set into Bluetooth test mode by software before test.

AC Mains	FIIT
AC Mains	LUI

(EUT: Rackmount Bluetooth Receiver)



2.6. Test mode

A special test software was used to control EUT work in Continuous TX mode(100% duty cycle), and select test channel, wireless mode and data rate.

Mode	Channel	Frequency
	Low	2402MHz
BT 4.0-BLE GFSK	Middle	2440MHz
	High	2480MHz

2.7. Channel List for Bluetooth

Channel	Frequency	Channel	Frequency
No.	(MHz)	No.	(MHz)
1	2402	2	2404
3	2406	4	2408
5	2410	6	2412
7	2414	8	2416
9	2418	10	2420
11	2422	12	2424
13	2426	14	2428
15	2430	16	2432
17	2434	18	2436
19	2438	20	2440
21	2442	22	2444
23	2446	24	2448
25	2450	26	2452
27	2454	28	2456
29	2458	30	2460
31	2462	32	2464
33	2466	34	2468
35	2470	36	2472
37	2474	38	2476
39	2478	40	2480



2.8. Test Equipment

2.8.1. For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	June 25,16	1 Year
Artificial Mains Networ	Rohde & Schwarz	ENV216	101260	June 25,16	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	June 25,16	1 Year

2.8.2. For radiated emission test(9 kHz-30MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESCI	100435	June 25,16	1 Year
Loop Antenna	ETS-LINDGREN	6502	00071730	June 25,16	3 Year
RF Cable	MIYAZAKI	5D-2W	966 Chamber No.1	June 25,16	1 Year

2.8.3. For radiated emissions test (30-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESVS10	100004	June 25,16	1 Year
Spectrum Analyzer	Agilent	E4411B	MY50140697	June 25,16	1 Year
Bilog Antenna	Teseq	CBL 6111D	27090	June 28,15	3 Year
Signal Amplifier	Agilent	310N	187037	June 25,16	1 Year
RF Cable	MIYAZAKI	5D-2W	966 Chamber No.1	June 25,16	1 Year

2.8.4. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	SCHWARZB ECK		BBHA9120D1 002	June 28,15	3 Year
Board-Band Horn Antenna	SCHWARZB ECK	BBHA 9170	9170-497	June 28,15	3Year
Signal Amplifier	SCHWARZB ECK	BBV9718	9718-212	June 25,16	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211139	June 25,16	1 Year
Spectrum Analyzer	Rohde &Schwarz	FSV	103173	June 25,16	1 Year
RF Cable	Hubersuhner	RG 214/U	513423	June 25,16	1 Year



3 POWER LINE CONDUCTED EMISSION TEST

3.1Limit

	Maximum RF Line Voltage				
Frequency	Quasi-Peak Level	Average Level			
	$dB(\mu V)$	$dB(\mu V)$			
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*			
500kHz ~ 5MHz	56	46			
5MHz ~ 30MHz	60	50			

Notes: 1. * Decreasing linearly with logarithm of frequency.

3.2 Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

The frequency range from 150kHz to 30MHz is checked.

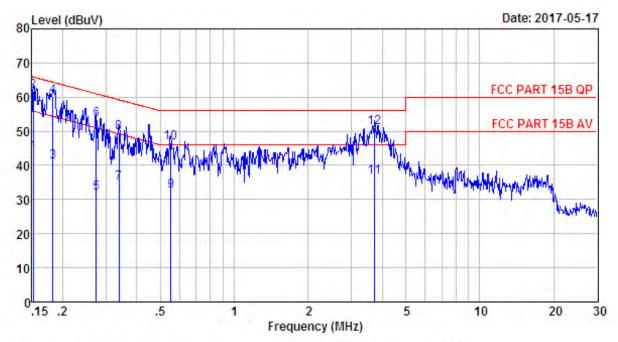
3.3. Test Result

PASS. (All emissions not reported below are too low against the prescribed limits.)



^{2.} The lower limit shall apply at the transition frequencies.

3.4. Test data



Site no : 844 Shield Room Data no. : 329 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : LINE

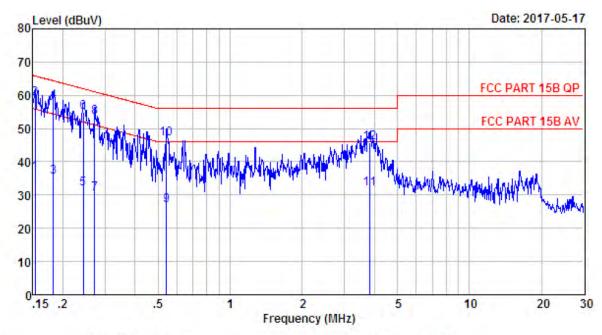
Limit : FCC PART 15B QP Engineer : Tony

EUT : Rackmount Bluetooth Receiver

: AC 120V/60Hz Power : DN-300BR : TX Mode M/N Test Mode

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.15	9.61	9.81	24.33	43.75	55.91	12.16	Average
2	0.15	9,61	9.81	42.27	61.69	65.91	4.22	QP
3	0.18	9.61	9.80	21.57	40.98	54.37	13.39	Average
4	0.18	9.61	9.80	40.84	60.25	64.37	4.12	QP
5	0.27	9.61	9.83	12.50	31.94	50.98	19.04	Average
6	0.27	9.61	9.83	34.05	53.49	60.98	7.49	QP
7	0.34	9.61	9.83	15.36	34.80	49.22	14.42	Average
8	0.34	9.61	9.83	30.14	49.58	59.22	9.64	QP
9	0.55	9.60	9.82	13.12	32.54	46.00	13.46	Average
10	0.55	9.60	9.82	27.29	46.71	56.00	9.29	QP
11	3.74	9.64	9.84	17.27	36.75	46.00	9.25	Average
12	3.74	9.64	9.84	31.73	51.21	56.00	4.79	QP





Site no : 844 Shield Room Data no. : 331 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL

Limit : FCC PART 15B QP

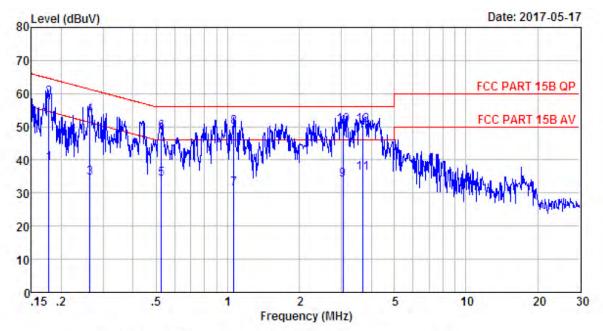
Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz
M/N : DN-300BR
Test Mode : TX Mode

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.15	9.47	9.81	17.33	36.61	55.82	19.21	Average
2	0.15	9,47	9.81	39.77	59.05	65.82	6.77	QP
3	0.18	9.56	9.80	15.97	35.33	54.37	19.04	Average
4	0.18	9.56	9.80	38.89	58.25	64.37	6.12	QP
5	0.24	9.60	9.82	12.46	31.88	52.00	20.12	Average
6	0.24	9.60	9.82	35.47	54.89	62.00	7.11	QP
7	0.27	9.60	9.83	10.84	30.27	51.07	20.80	Average
8	0.27	9.60	9.83	34.06	53.49	61.07	7.58	QP
9	0.54	9.60	9.82	7.54	26.96	46.00	19.04	Average
10	0.54	9.60	9.82	27.51	46.93	56.00	9.07	QP
11	3.82	9.64	9.85	12.27	31.76	46.00	14.24	Average
12	3.82	9.64	9.85	26.38	45.87	56.00	10.13	QP





Site no : 844 Shield Room Data no. : 333 Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa LINE Phase : LINE

Limit : FCC PART 15B QP

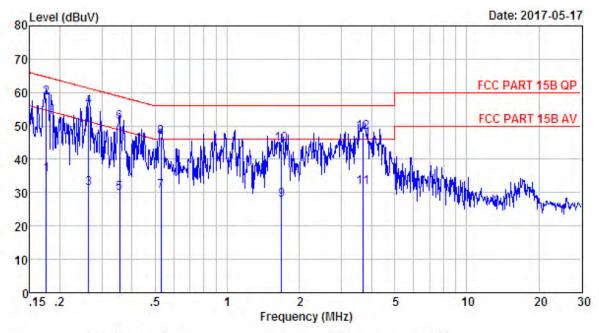
Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 240V/60Hz
M/N : DN-300BR
Test Mode : TX Mode

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.18	9.61	9.80	19.57	38,98	54.59	15,61	Average
2	0.18	9.61	9.80	39.32	58.73	64.59	5.86	QP
3	0.26	9.61	9.83	15.00	34.44	51.29	16.85	Average
4	0.26	9.61	9.83	33.91	53.35	61.29	7.94	QP
5	0.53	9.61	9.81	14.93	34.35	46.00	11.65	Average
6	0.53	9.61	9.81	28.97	48.39	56.00	7.61	QP
7	1.06	9.64	9.84	11.67	31.15	46.00	14.85	Average
8	1.06	9.64	9.84	30.39	49,87	56.00	6.13	QP
9	3.04	9.63	9.85	14.32	33.80	46.00	12.20	Average
10	3.04	9.63	9.85	30.99	50.47	56.00	5.53	QP
11	3.68	9.64	9.85	16.44	35.93	46.00	10.07	Average
12	3.68	9.64	9.85	30.87	50.36	56.00	5.64	QP





Site no : 844 Shield Room Data no. : 335 Env. / Ins. : Temp:24.3°C Humi:58% Press:101.50kPa LINE Phase : NEUTRAL

Limit : FCC PART 15B QP

Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 240V/60Hz M/N : DN-300BR Test Mode : TX Mode

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.18	9.54	9.80	15.97	35.31	54.68	19.37	Average
2	0.18	9.54	9.80	38.97	58.31	64.68	6.37	QP
3	0.26	9.60	9.83	11.81	31.24	51,29	20.05	Average
4	0.26	9.60	9.83	36.48	55.91	61.29	5.38	QP
5	0.36	9.59	9.82	10.30	29.71	48.83	19.12	Average
6	0.36	9.59	9.82	31.63	51.04	58.83	7.79	QP
7	0.53	9.60	9.81	10.93	30.34	46.00	15.66	Average
8	0.53	9.60	9.81	27.22	46.63	56.00	9.37	QP
9	1.69	9.62	9.83	8.24	27.69	46.00	18.31	Average
10	1.69	9.62	9.83	25.18	44.63	56.00	11.37	QP
11	3.68	9.64	9.85	12.11	31.60	46.00	14.40	Average
12	3.68	9.64	9.85	28.53	48.02	56.00	7.98	QP



4 RADIATED EMISSION TEST

4.1 Limit

4.1.1 15.209 limits

Frequency (MHz)	Field strength (μV/m)	Distance (m)	
0.009-0.490	2400/F(kHz)	300	
0.490-1.705	24000/F(kHz)	30	
1.705-30	30	30	
30-88	100	3	
88-216	150	3	
216-960	200	3	
Above 960	500	3	

Remark : (1) Emission level $dB\mu V = 20 \log Emission$ level $\mu V/m$

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.1.2 15.205 Restricted bands of operation

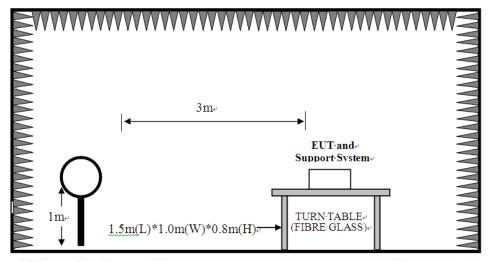
MHz	MHz MHz		GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 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	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	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)

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

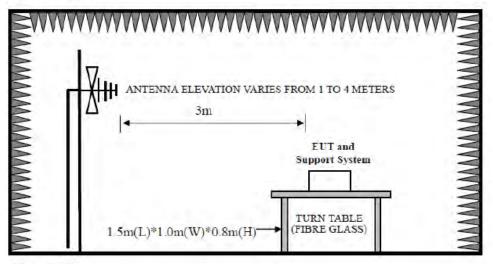


4.2. Block Diagram of Test setup

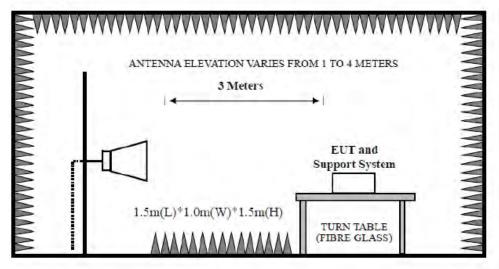
9kHz~30MHz



30~1000MHz



Above 1GHz





4.3. Test Procedure

EUT was placed on a turn table, which is 0.8 meter high above ground for 9kHz~1000MHz test, and with is 1.5 meter high above ground for above 1GHz test. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

The test frequency analyzer system was set to Peak Detect (300Hz RBW in 9kHz to 150kHz and 10kHz RBW in 150kHz to 30MHz) Function and Specified Bandwidth with Maximum Hold Mode.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 1MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

PEAK detector, 1MHz/1MHz for PAEK measurement,

PEAK detector, 1MHz/10Hz for Average measurement

The frequency range from 30MHz to 10th harmonic (25GHz) are checked.

4.4. Test Result

PASS.

All the emissions from 30MHz to 25 GHz were comply with 15.209 limits.

- Note: 1. For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
 - 2. The frequency 2402MHz \, 2440MHz and 2480 MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.



4.5. Test Data

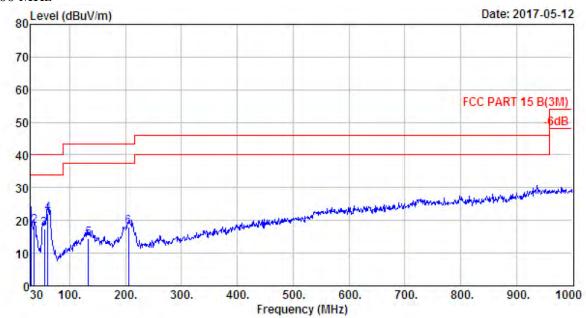
9 kHz – 30 MHz

Pass

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



30-1000 MHz



Site no. : 1# 966 Chamber Data no. : 853
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL

Limit : FCC PART 15 B(3M)

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

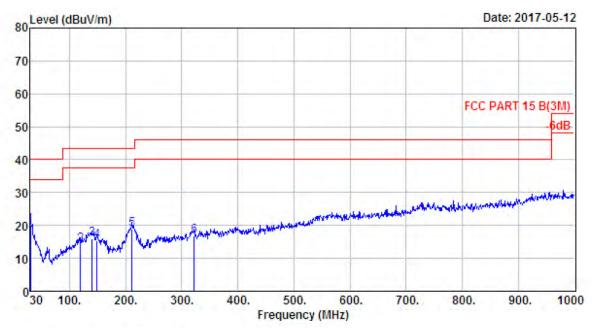
Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz
M/N : DN-300BR
Test Mode : GFSK TX 2402MHz
Antenna 1

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	
1	30.000	18.51	0.65	1.55	20.71	40.00	19.29	QP	
2	36.790	14.52	0.78	2.92	18.22	40.00	21.78	QP	
3	54.250	5.82	0.93	10.77	17.52	40.00	22.48	QP	
4	61.040	4.74	0.94	16.51	22.19	40.00	17.81	QP	
5	133.790	11.36	1.56	1.54	14.46	43.50	29.04	QP	
6	205.570	8.00	1.85	8.09	17.94	43.50	25.56	OP	





Site no. : 1# 966 Chamber Data no. : 854

Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

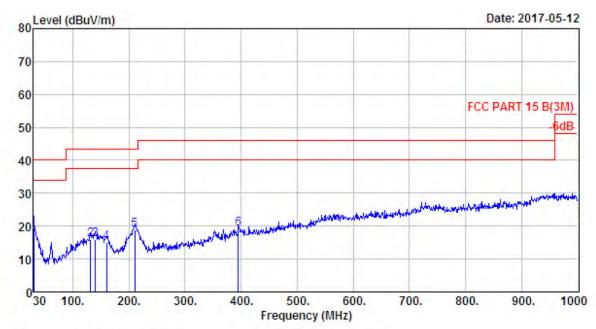
EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz
M/N : DN-300BR
Test Mode : GFSK TX 2402MHz

est Mode : GFSK TX 24021 Antenna 1

ANT Cable Emission Margin Remark Freq. Factor Loss Reading Level Limit (dB) (dBuV) (dBuV/m) (dBuV/m) (dB) (MHz) (dB/m) QP 18.51 30.000 0.65 0.91 20.07 40.00 19.93 1 1.42 11.11 14.20 2 119.240 43.50 QP 1.67 29.30 43.50 3 140.580 11.40 3.13 16.02 27.48 QP 18.94 40.50 1.65 10.93 4 149.310 2.85 28.07 QP 5 211.390 QP 8.51 8.58 43.50 24.56 6 321.970 13.63 2.42 16.96 46.00 29.04 0.91 QP





Site no. : 1# 966 Chamber Data no. : 855

Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B(3M)

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

EUT : Rackmount Bluetooth Receiver

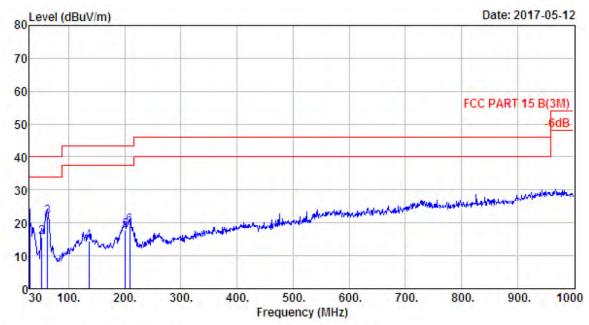
Power : AC 120V/60Hz M/N : DN-300BR

Test Mode : GFSK TX 2440MHz

Antenna 1

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.000	18.51	0.65	0.46	19.62	40.00	20.38	QP
2	131.850	11.34	1.50	3.08	15.92	43.50	27.58	QP
3	140.580	11.40	1.49	2.98	15.87	43.50	27.63	QP
4	159.980	10.36	1.71	2.86	14.93	43.50	28.57	QP
5	210,420	8.46	1.88	8.41	18.75	43.50	24.75	QP
6	394.720	15.82	2.58	0.74	19.14	46.00	26.86	QP





Site no. : 1# 966 Chamber Data no. : 856
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL

Limit : FCC PART 15 B(3M)

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

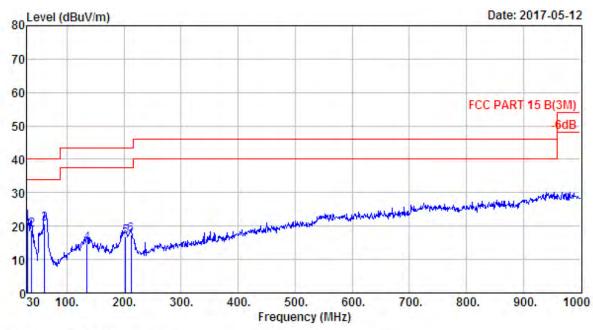
EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz
M/N : DN-300BR
Test Mode : GFSK TX 2440MHz

Antenna 1

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.000	18.51	0.65	1.44	20.60	40.00	19.40	QP
2	52.310	6.41	0.90	8.43	15.74	40.00	24.26	QP
3	62.010	4.78	0.99	16.17	21.94	40.00	18.06	QP
4	135.730	11.38	1.59	1.52	14.49	43.50	29.01	QP
5	200.720	7.75	1.77	8.10	17.62	43.50	25.88	QP
6	208.480	8.28	1.95	9.00	19.23	43.50	24.27	QP





Site no. : 1# 966 Chamber Data no. : 857
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

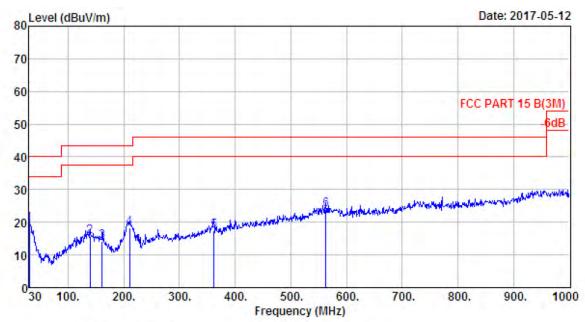
EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz M/N : DN-300BR

Test Mode : GFSK TX 2480MHz Antenna 1

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.000	18.51	0.65	2.09	21.25	40.00	18.75	QP
2	37.760	14.05	0.79	4.14	18.98	40.00	21.02	QP
3	61.040	4.74	0.94	14.84	20.52	40.00	19.48	QP
4	134.760	11.37	1.57	1.84	14.78	43.50	28.72	QP
5	202.660	7.83	1.84	7.06	16.73	43.50	26.77	QP
6	212.360	8.56	1.91	6.84	17.31	43.50	26.19	QP
-								





Site no. : 1# 966 Chamber Data no. : 858
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B(3M)

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

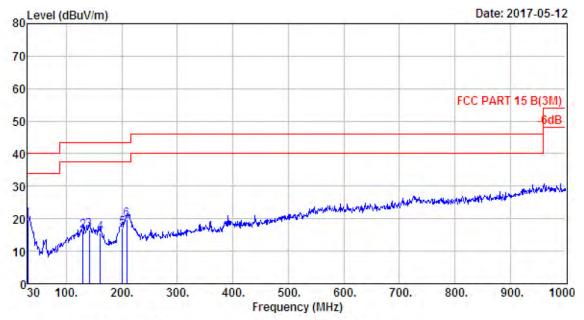
Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz
M/N : DN-300BR
Test Mode : GFSK TX 2480MHz
Antenna 1

Loss Reading Level (dB) (dBuV) ANT Emission Limit Margin Remark Freg. Factor (dBuV) (dBuV/m) (dBuV/m) (dB) (dB/m) (MHz) 0.65 0.42 19.58 1 30.000 18.51 40.00 20.42 QP 2 139.610 11.43 1.51 2.77 15.71 3 160.950 10.24 1.70 2.19 14.13 4 210.420 8.46 1.88 8.04 18.38 43.50 27.79 QP QP 43.50 29.37 43.50 25.12 46.00 28.45 46.00 22.17 QP 5 361.740 14.53 2.63 0.39 17.55 0.88 23.83 QP 6 563.500 19.67 QP





Site no. : 1# 966 Chamber Data no. : 871

Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B(3M)

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

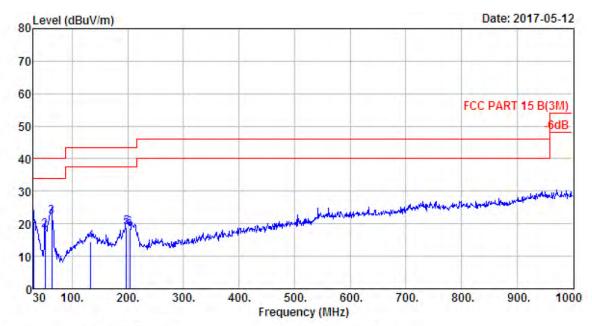
Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz
M/N : DN-300BR
Test Mode : GFSK TX 2402MHz
Antenna 2

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.000	18.51	0.65	0.50	19.66	40.00	20.34	QP
2	129.910	11.32	1.47	3.52	16.31	43.50	27.19	QP
3	141.550	11.36	1.51	3.58	16.45	43.50	27.05	QP
4	160.950	10.24	1.70	3.67	15.61	43.50	27.89	QP
5	200.720	7.75	1.77	7.49	17.01	43.50	26.49	QP
6	208.480	8.28	1.95	9.40	19.63	43.50	23.87	QP





Site no. : 1# 966 Chamber Data no. : 872
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

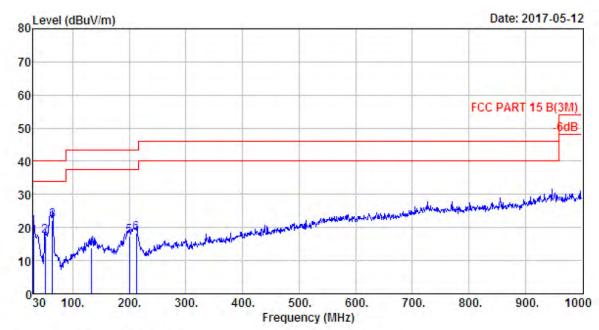
Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz
M/N : DN-300BR
Test Mode : GFSK TX 2402MHz
Antenna 2

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.000	18.51	0.65	1.40	20.56	40.00	19.44	QP
2	51.340	6.92	0.89	10.06	17.87	40.00	22.13	QP
3	62.980	4.82	1.03	16.30	22.15	40.00	17.85	QP
4	133.790	11.36	1.56	1.43	14.35	43.50	29.15	QP
5	197.810	7.71	1.79	9.41	18.91	43.50	24.59	QP
6	203.630	7.87	1.92	8.87	18.66	43.50	24.84	QP





: 1# 966 Chamber Data no. : 873 Site no. Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL

: FCC PART 15 B (3M) Limit

: Temp:23.6';Humi:56%;Press:101.52kPa : Tony Env. / Ins.

Engineer

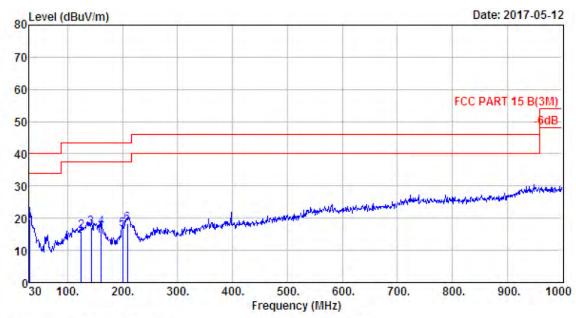
EUT : Rackmount Bluetooth Receiver

: AC 120V/60Hz Power M/N : DN-300BR Test Mode : GFSK TX 2440MHz

Antenna 2

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.000	18.51	0.65	0.81	19.97	40.00	20.03	QP
2	51.340	6.92	0.89	9.64	17,45	40.00	22.55	QP
3	63.950	4.87	1.02	16.21	22.10	40.00	17.90	QP
4	133.790	11.36	1.56	0.85	13.77	43.50	29.73	QP
5	199.750	7.71	1.77	8.08	17.56	43.50	25.94	QP
6	212.360	8.56	1.91	7.87	18.34	43.50	25.16	QP





Site no. : 1# 966 Chamber Data no. : 874
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B(3M)

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

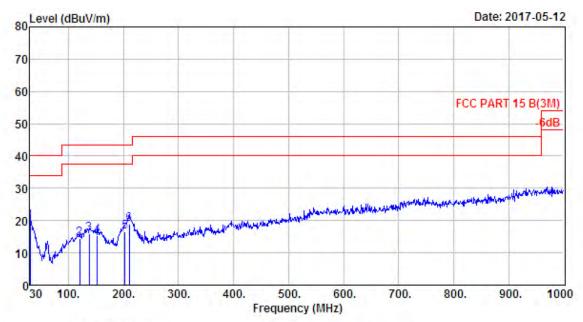
Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz
M/N : DN-300BR
Test Mode : GFSK TX 2440MHz
Antenna 2

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.000	18.51	0.65	0.70	19.86	40.00	20.14	QP
2	125.060	11.35	1.52	3.01	15.88	43.50	27.62	QP
3	142.520	11.33	1.53	4.27	17.13	43.50	26.37	QP
4	160.950	10.24	1.70	5.17	17.11	43.50	26.39	QP
5	199.750	7.71	1.77	7.12	16.60	43.50	26.90	QP
6	208.480	8.28	1.95	8.00	18.23	43.50	25.27	QP





Site no. : 1# 966 Chamber Dis. / Ant. : 3m 27137

Data no. : 875 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

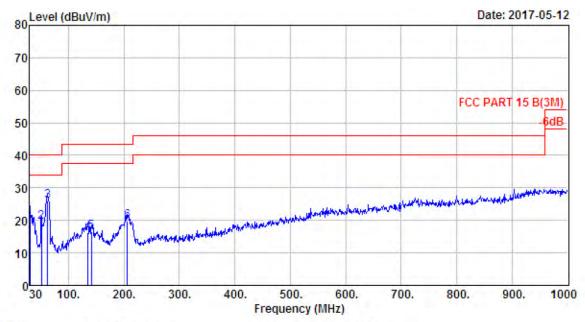
Engineer : Tony

EUT : Rackmount Bluetooth Receiver

: AC 120V/60Hz Power : DN-300BR M/N : GFSK TX 2480MHz Test Mode Antenna 2

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.000	18.51	0.65	0.51	19.67	40.00	20.33	QP
2	120.210	11.16	1.41	1.80	14.37	43.50	29.13	QP
3	137.670	11.41	1.56	2.85	15.82	43.50	27.68	QP
4	152.220	10.78	1.62	2.90	15.30	43.50	28.20	QP
5	202.660	7.83	1.84	6.97	16.64	43.50	26.86	QP
6	210.420	8.46	1.88	8.62	18.96	43.50	24.54	OP





Site no. : 1# 966 Chamber Data no. : 876
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL

Limit : FCC PART 15 B (3M)

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz
M/N : DN-300BR
Test Mode : GFSK TX 2480MHz

Antenna 2

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.000	18.51	0.65	1.78	20.94	40.00	19.06	QP
2	51.340	6.92	0.89	11.54	19.35	40.00	20.65	QP
3	62.010	4.78	0.99	20.23	26.00	40.00	14.00	QP
4	134.760	11.37	1.57	3.33	16.27	43.50	27.23	QP
5	141.550	11.36	1.51	3.78	16.65	43.50	26.85	QP
6	206.540	8.09	1.81	9.82	19.72	43.50	23.78	QP



Above 1000MHz

Site no. : 1# 966 Chamber Data no. : 743

Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

: Tony Engineer

: Rackmount Bluetooth Receiver

: AC 120V/60Hz Power M/N : DN-300BR Test Mode : GFSK TX 2402MHz

Antenna 2

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.00	27.61	6.62	34.64	90.67	90.26	74.00	-16.26	Peak
2	4804.00	31.25	11.77	35.64	31.56	38.94	74.00	35.06	Peak
3	7206.00	36.52	11.54	33.95	27.12	41.23	74.00	32.77	Peak
4	8735.00	37.40	11.45	33.76	28.71	43.80	74.00	30.20	Peak
5	11183.00	39.40	11.15	33.24	26.04	43.35	74.00	30.65	Peak
6	13206.00	39.38	11.46	32.79	26.06	44.11	74.00	29.89	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.

2. The emission levels that are 20dB below the official

limit are not reported.

: 1# 966 Chamber Site no. Data no. : 744 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz M/N : DN-300BR

Test Mode : GFSK TX 2402MHz

Antenna 2

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.00	27.61	6.62	34.64	91.57	91.16	74.00	-17.16	Peak
2	4804.00	31.25	11.77	35.64	30.58	37.96	74.00	36.04	Peak
3	7206.00	36.52	11.54	33.95	27.57	41.68	74.00	32.32	Peak
4	8684.00	37.32	11.45	33.66	27.85	42.96	74.00	31.04	Peak
5	11200.00	39.39	11.14	33.24	26.73	44.02	74.00	29.98	Peak
6	13954.00	41.35	10.96	32.99	25.31	44.63	74.00	29.37	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.



Site no. : 1# 966 Chamber Dis. / Ant. : 3m ANT 1-18G Data no. : 745 Ant. pol. : VERTICAL

: FCC PART 15C PEAK

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa
Engineer : Tony
EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz : DN-300BR M/N Test Mode : GFSK TX 2440MHz

Antenna 2

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.00	27.60	6.67	34.85	91.61	91.03	74.00	-17.03	Peak
2	4880.00	31.37	12.07	35.76	34.69	42.37	74.00	31.63	Peak
3	7320.00	36.55	11.57	34.14	28.60	42.58	74.00	31.42	Peak
4	8514.00	36.96	11.45	34.07	28.99	43.33	74.00	30.67	Peak
5	11285.00	39.33	11.08	33.32	27.34	44.43	74.00	29.57	Peak
6	13580.00	40.31	11.40	32.64	25.11	44.18	74.00	29.82	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.

2. The emission levels that are 20dB below the official

limit are not reported.

Site no. : 1# 966 Chamber Data no. : 746 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

: Rackmount Bluetooth Receiver

: AC 120V/60Hz Power M/N : DN-300BR

Test Mode : GFSK TX 2440MHz

Antenna 2

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.00	27.60	6.67	34.85	91.24	90.66	74.00	-16.66	Peak
2	4880.00	31.37	12.07	35.76	34.11	41.79	74.00	32.21	Peak
3	7320.00	36.55	11.57	34.14	29.12	43.10	74.00	30.90	Peak
4	9075.00	37.53	11.49	34.20	28.44	43.26	74.00	30.74	Peak
5	11285.00	39.33	11.08	33.32	26.62	43.71	74.00	30.29	Peak
6	13937.00	41.31	10.98	33.00	25.21	44.50	74.00	29.50	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.



Site no. : 1# 966 Chamber Data no. : 747
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORD Ant. pol. : HORIZONTAL : FCC PART 15C PEAK

Limit

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa Engineer : Tony

: Rackmount Bluetooth Receiver EUT

Power : AC 120V/60Hz M/N : DN-300BR Test Mode : GFSK TX 2480MHz Antenna 2

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	35.11	92.48	91.66	74.00	-17.66	Peak
2	4960.00	31.49	12.44	36.01	32.68	40.60	74.00	33.40	Peak
3	7440.00	36.54	11.61	34.22	28.33	42.26	74.00	31.74	Peak
4	8684.00	37.32	11.45	33.66	27.89	43.00	74.00	31.00	Peak
5	11234.00	39.37	11.12	33.25	26.89	44.13	74.00	29.87	Peak
6	13733.00	40.74	11.22	32.98	25.01	43.99	74.00	30.01	Peak
	3 4 5	(MHz) 1 2480.00 2 4960.00 3 7440.00 4 8684.00 5 11234.00	Freq. Factor (MHz) (dB/m) 1 2480.00 27.58 2 4960.00 31.49 3 7440.00 36.54 4 8684.00 37.32 5 11234.00 39.37	Freq. Factor Loss (MHz) (dB/m) (dB) 1 2480.00 27.58 6.71 2 4960.00 31.49 12.44 3 7440.00 36.54 11.61 4 8684.00 37.32 11.45 5 11234.00 39.37 11.12	Freq. Factor Loss Factor (MHz) (dB/m) (dB) (dB) 1 2480.00 27.58 6.71 35.11 2 4960.00 31.49 12.44 36.01 3 7440.00 36.54 11.61 34.22 4 8684.00 37.32 11.45 33.66 5 11234.00 39.37 11.12 33.25	Freq. Factor Loss Factor Reading (MHz) (dB/m) (dB) (dB) (dBuV) 1 2480.00 27.58 6.71 35.11 92.48 2 4960.00 31.49 12.44 36.01 32.68 3 7440.00 36.54 11.61 34.22 28.33 4 8684.00 37.32 11.45 33.66 27.89 5 11234.00 39.37 11.12 33.25 26.89	Freq. Factor Loss Factor Reading Level (MHz) (dB/m) (dB) (dB) (dBuV) (dBuV/m) 1 2480.00 27.58 6.71 35.11 92.48 91.66 2 4960.00 31.49 12.44 36.01 32.68 40.60 3 7440.00 36.54 11.61 34.22 28.33 42.26 4 8684.00 37.32 11.45 33.66 27.89 43.00 5 11234.00 39.37 11.12 33.25 26.89 44.13	Freq. Factor Loss Factor Reading Level Limits (MHz) (dB/m) (dB) (dB) (dBuV) (dBuV/m) (dBuV/m) 1 2480.00 27.58 6.71 35.11 92.48 91.66 74.00 2 4960.00 31.49 12.44 36.01 32.68 40.60 74.00 3 7440.00 36.54 11.61 34.22 28.33 42.26 74.00 4 8684.00 37.32 11.45 33.66 27.89 43.00 74.00 5 11234.00 39.37 11.12 33.25 26.89 44.13 74.00	Freq. Factor Loss Factor Reading Level Limits Margin (MHz) (dB/m) (dB) (dB) (dBuV) (dBuV/m) (dBuV/m) (dB) 1 2480.00 27.58 6.71 35.11 92.48 91.66 74.00 -17.66 2 4960.00 31.49 12.44 36.01 32.68 40.60 74.00 33.40 3 7440.00 36.54 11.61 34.22 28.33 42.26 74.00 31.74 4 8684.00 37.32 11.45 33.66 27.89 43.00 74.00 31.00 5 11234.00 39.37 11.12 33.25 26.89 44.13 74.00 29.87

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.

2. The emission levels that are 20dB below the official limit are not reported.

Site no. : 1# 966 Chamber Data no. : 748 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

: FCC PART 15C PEAK Limit

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

EUT : Rackmount Bluetooth Receiver

: AC 120V/60Hz Power M/N : DN-300BR Test Mode : GFSK TX 2480MHz Antenna 2

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	35.11	93.03	92.21	74.00	-18.21	Peak
2	4960.00	31.49	12.44	36.01	32.28	40.20	74.00	33.80	Peak
3	7440.00	36.54	11.61	34.22	28.79	42.72	74.00	31.28	Peak
4	9024.00	37.43	11.47	34.30	27.96	42.56	74.00	31.44	Peak
5	11336.00	39.30	11.04	33.44	27.26	44.16	74.00	29.84	Peak
6	14090.00	41.54	10.91	33.13	24.55	43.87	74.00	30.13	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.



Site no. : 1# 966 Chamber Data no. : 753 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

: FCC PART 15C PEAK Limit

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

: Tony Engineer

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz : DN-300BR M/N Test Mode : GFSK TX 2402MHz Antenna 1

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.00	27.61	6.62	34.64	93.22	92.81	74.00	-18.81	Peak
2	4804.00	31.25	11.77	35.64	35.96	43.34	74.00	30.66	Peak
3	7206.00	36.52	11.54	33.95	27.97	42.08	74.00	31.92	Peak
4	8701.00	37.35	11.45	33.65	27.52	42.67	74.00	31.33	Peak
5	10180.00	38.42	11.49	34.53	27.47	42.85	74.00	31.15	Peak
6	13580.00	40.31	11.40	32.64	24.59	43.66	74.00	30.34	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.

2. The emission levels that are 20dB below the official

limit are not reported.

: 1# 966 Chamber Site no. Data no. : 754

Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa

Engineer : Tony
EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz : DN-300BR M/N

Test Mode : GFSK TX 2402MHz

Antenna 1

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.00	27.61	6.62	34.64	92.06	91.65	74.00	-17.65	Peak
2	4804.00	31,25	11.77	35.64	31.97	39.35	74.00	34.65	Peak
3	7206.00	36.52	11.54	33.95	29.14	43.25	74.00	30.75	Peak
4	8650.00	37.27	11.45	33.68	29.03	44.07	74.00	29.93	Peak
5	11115.00	39.44	11.20	33.55	26.47	43.56	74.00	30.44	Peak
6	13240.00	39.46	11.46	32.88	26.57	44.61	74.00	29.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.



Data no. : 755

Site no. : 1# 966 Chamber Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

: Tony Engineer

: Rackmount Bluetooth Receiver EUT

: AC 120V/60Hz Power : DN-300BR M/N Test Mode : GFSK TX 2440MHz

Antenna 1

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.00	27.60	6.67	34.85	91.86	91.28	74.00	-17.28	Peak
2	4880.00	31.37	12.07	35.76	32.65	40.33	74.00	33.67	Peak
3	7320.00	36.55	11.57	34.14	28.35	42.33	74.00	31.67	Peak
4	8684.00	37.32	11.45	33.66	28.99	44.10	74.00	29.90	Peak
5	11115.00	39.44	11.20	33.55	26.76	43.85	74.00	30.15	Peak
6	13325.00	39.66	11.48	32.94	25.22	43.42	74.00	30.58	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.

2. The emission levels that are 20dB below the official

limit are not reported.

Site no. : 1# 966 Chamber Data no. : 756 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

: FCC PART 15C PEAK Limit

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz M/N : DN-300BR Test Mode : GFSK TX 2440MHz

Antenna 1

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.00	27.60	6.67	34.85	93.30	92.72	74.00	-18.72	Peak
2	4880.00	31.37	12.07	35.76	34.74	42.42	74.00	31.58	Peak
3	7320.00	36.55	11.57	34.14	29.09	43.07	74.00	30.93	Peak
4	8735.00	37.40	11.45	33.76	27.94	43.03	74.00	30.97	Peak
5	11030.00	39.50	11.27	33.98	26.20	42.99	74.00	31.01	Peak
6	13580.00	40.31	11.40	32.64	25.01	44.08	74.00	29.92	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.



Site no. : 1# 966 Chamber Dis. / Ant. : 3m ANT 1-18G Data no. : 757 Ant. pol. : VERTICAL

: FCC PART 15C PEAK

Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Rackmount Bluetooth Receiver

: AC 120V/60Hz Power M/N : DN-300BR Test Mode : GFSK TX 2480MHz

Antenna 1

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	35,11	94.26	93.44	74.00	-19.44	Peak
2	4960.00	31.49	12.44	36.01	33.08	41.00	74.00	33.00	Peak
3	7440.00	36.54	11.61	34.22	29.14	43.07	74.00	30.93	Peak
4	8565.00	37.10	11.45	33.92	27.76	42.39	74.00	31.61	Peak
5	11115.00	39.44	11.20	33.55	25.38	42.47	74.00	31.53	Peak
6	13614.00	40.40	11.36	32.68	25.01	44.09	74.00	29.91	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.

2. The emission levels that are 20dB below the official

limit are not reported.

Data no. : 758

Site no. : 1# 966 Chamber Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz M/N : DN-300BR

Test Mode : GFSK TX 2480MHz

Antenna 1

(MHz)	Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
2480.00	27.58	6.71	35.11	92.76	91.94	74.00	-17.94	Peak
4960.00	31.49	12.44	36.01	33.78	41.70	74.00	32.30	Peak
7440.00	36.54	11.61	34.22	28.43	42.36	74.00	31.64	Peak
9160.00	37,69	11.54	34.07	28.39	43.55	74.00	30.45	Peak
1030.00	39.50	11.27	33.98	26.96	43.75	74.00	30.25	Peak
13597.00	40.36	11.38	32.65	23.97	43.06	74.00	30.94	Peak
	(MHz) 2480.00 4960.00 7440.00 9160.00	(MHz) (dB/m) 2480.00 27.58 4960.00 31.49 7440.00 36.54 9160.00 37.69 1030.00 39.50	(MHz) (dB/m) (dB) 2480.00 27.58 6.71 4960.00 31.49 12.44 7440.00 36.54 11.61 9160.00 37.69 11.54 1030.00 39.50 11.27	(MHz) (dB/m) (dB) (dB) 2480.00 27.58 6.71 35.11 4960.00 31.49 12.44 36.01 7440.00 36.54 11.61 34.22 9160.00 37.69 11.54 34.07 1030.00 39.50 11.27 33.98	(MHz) (dB/m) (dB) (dB) (dBuV) 2480.00 27.58 6.71 35.11 92.76 4960.00 31.49 12.44 36.01 33.78 7440.00 36.54 11.61 34.22 28.43 9160.00 37.69 11.54 34.07 28.39 1030.00 39.50 11.27 33.98 26.96	(MHz) (dB/m) (dB) (dB) (dBuV) (dBuV/m) 2480.00 27.58 6.71 35.11 92.76 91.94 4960.00 31.49 12.44 36.01 33.78 41.70 7440.00 36.54 11.61 34.22 28.43 42.36 9160.00 37.69 11.54 34.07 28.39 43.55 1030.00 39.50 11.27 33.98 26.96 43.75	(MHz) (dB/m) (dB) (dB) (dBuV) (dBuV/m) (dBuV/m) 2480.00 27.58 6.71 35.11 92.76 91.94 74.00 4960.00 31.49 12.44 36.01 33.78 41.70 74.00 7440.00 36.54 11.61 34.22 28.43 42.36 74.00 9160.00 37.69 11.54 34.07 28.39 43.55 74.00 1030.00 39.50 11.27 33.98 26.96 43.75 74.00	(MHz) (dB/m) (dB) (dB) (dBuV) (dBuV/m) (dBuV/m) (dB 2480.00 27.58 6.71 35.11 92.76 91.94 74.00 -17.94 4960.00 31.49 12.44 36.01 33.78 41.70 74.00 32.30 7440.00 36.54 11.61 34.22 28.43 42.36 74.00 31.64 9160.00 37.69 11.54 34.07 28.39 43.55 74.00 30.45 1030.00 39.50 11.27 33.98 26.96 43.75 74.00 30.25

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.



18000MHz - 25000MHz

Pass

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

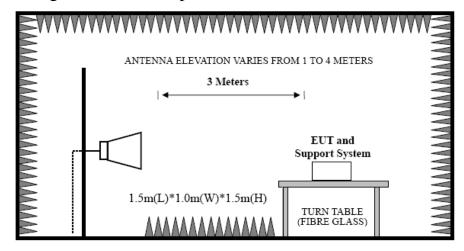


5 BAND EDGE COMPLIANCE TEST

5.1 Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits

5.2 Block Diagram of Test setup



5.3 Test Procedure

- 1. The EUT is placed on a turntable, which is 1.5m above the ground plane and worked at highest radiated power.
- 2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

Peak: RBW = 1MHz, VBW = 1MHz, Detector=PEAK detector, Sweep time = auto. AV: RBW = 1MHz, VBW = 10Hz, Detector=PEAK detector, Sweep time = auto.

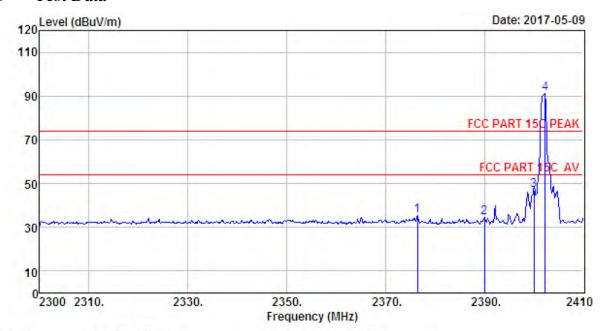
5.4 Test Result

Pass (The testing data was attached in the next pages.)

- Note: 1. For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
 - 2. The frequency 2402MHz and 2480 MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.



5.5 Test Data



: 1# 966 Chamber Data no. : 749 Site no. Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

: Temp:23.6'; Humi:56%; Press:101.52kPa Env. / Ins.

Engineer : Tony

EUT : Rackmount Bluetooth Receiver

: AC 120V/60Hz Power M/N : DN-300BR Test Mode

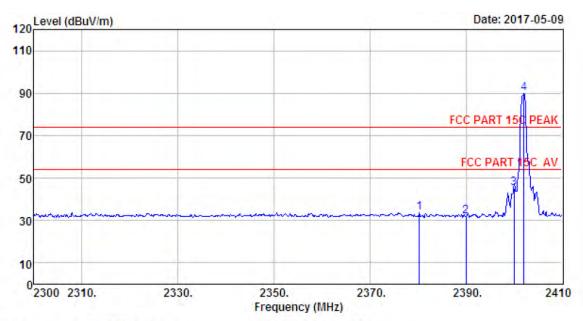
: GFSK TX 2402MHz

Antenna 2

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	*	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2376.45	27.64	6.60	34.59	35.65	35.30	74.00	38.70	Peak
2	2390.00	27.64	6.62	34.62	34.71	34.35	74.00	39.65	Peak
3	2400.00	27.61	6.62	34.64	47.34	46.93	74.00	27.07	Peak
4	2402.30	27.61	6.62	34.64	91.54	91.13	74.00	-17.13	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.





Site no. : 1# 966 Chamber Data no. : 750

Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

; Tony Engineer

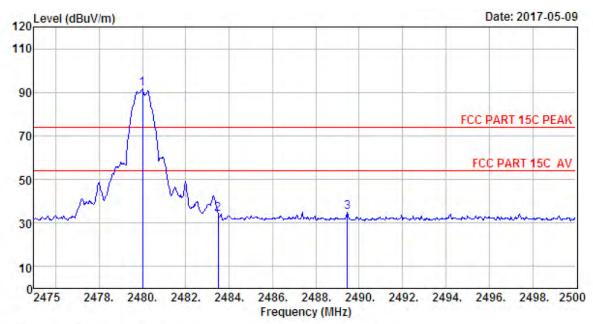
EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz : DN-300BR M/N : GFSK TX 2402MHz Test Mode Antenna 2

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2380.30	27.64	6.60	34.59	34.16	33.81	74.00	40.19	Peak
2	2390.00	27.64	6.62	34.62	32.10	31.74	74.00	42.26	Peak
3	2400.00	27.61	6.62	34.64	45.59	45.18	74.00	28.82	Peak
4	2402.08	27.61	6.62	34.64	90.47	90.06	74.00	-16.06	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.





Site no. : 1# 966 Chamber Data no. : 751
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL

Limit : FCC PART 15C PEAK

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz M/N : DN-300BR

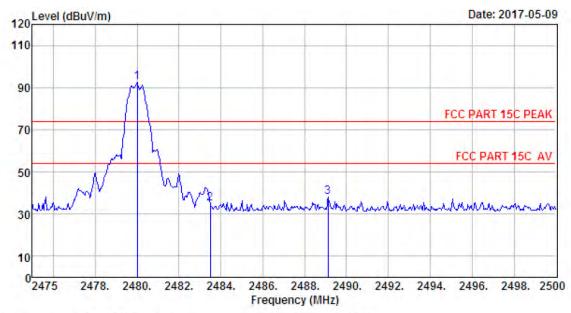
Test Mode : GFSK TX 2480MHz

Antenna 2

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)		Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	35.11	92.63	91.81	74.00	-17.81	Peak
2	2483.50	27.58	6.71	35.11	35.10	34.28	74.00	39.72	Peak
3	2489.45	27.58	6.73	35.24	35.98	35.05	74.00	38.95	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.





Site no. : 1# 966 Chamber Data no. : 752 Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

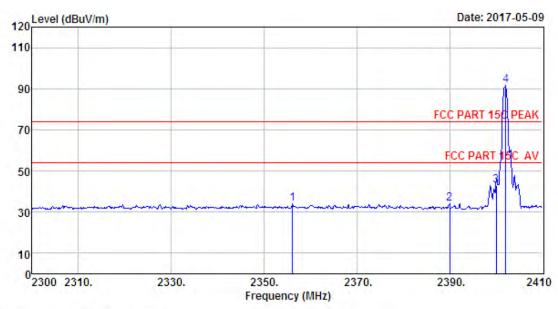
EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz M/N : DN-300BR : GFSK TX 2480MHz Test Mode Antenna 2

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	-	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	35.11	93.44	92.62	74.00	-18.62	Peak
2	2483.50	27.58	6.71	35.11	36.02	35.20	74.00	38.80	Peak
3	2489.13	27.58	6.73	35.24	39.22	38.29	74.00	35.71	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.





: 1# 966 Chamber Site no.

Data no. : 759 Ant. pol. : HORIZONTAL Dis. / Ant. : 3m ANT 1-18G

: FCC PART 15C PEAK Limit

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

EUT : Rackmount Bluetooth Receiver

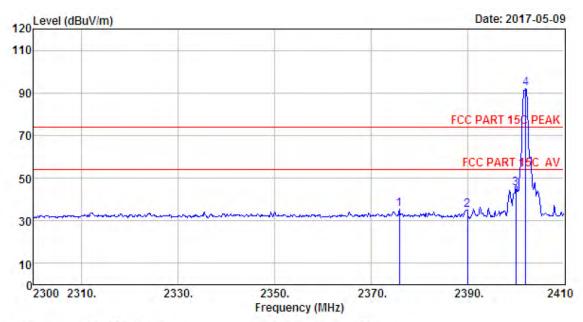
: AC 120V/60Hz Power M/N : DN-300BR Test Mode : GFSK TX 2402MHz

Antenna 1

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2356.10	27.70	6.58	34.57	34.19	33.90	74.00	40.10	Peak
2	2390.00	27.64	6.62	34.62	34.35	33.99	74.00	40.01	Peak
3	2400.00	27.61	6.62	34.64	43.33	42.92	74.00	31.08	Peak
4	2402.08	27.61	6.62	34.64	92.14	91.73	74.00	-17.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.





Site no. : 1# 966 Chamber Data no. : 760
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

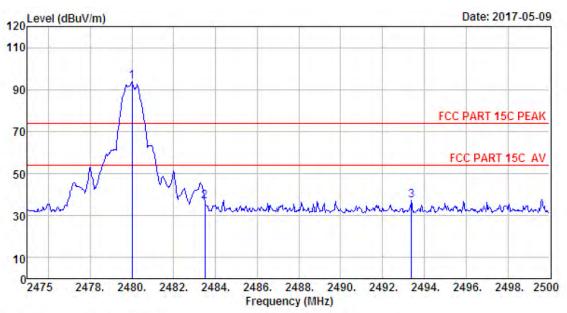
EUT : Rackmount Bluetooth Receiver

Power : AC 120V/60Hz
M/N : DN-300BR
Test Mode : GFSK TX 2402MHz
Antenna 1

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2375.90	27.64	6.60	34.59	35.64	35.29	74,00	38.71	Peak
2	2390.00	27.64	6.62	34.62	35.33	34.97	74.00	39.03	Peak
3	2400.00	27.61	6.62	34.64	45.37	44.96	74.00	29.04	Peak
4	2402.08	27.61	6.62	34.64	92.56	92.15	74.00	-18.15	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.





Site no. : 1# 966 Chamber Dis. / Ant. : 3m ANT 1-18G Data no. : 761 Ant. pol. : VERTICAL

: FCC PART 15C PEAK Limit

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

Engineer : Tony

EUT : Rackmount Bluetooth Receiver

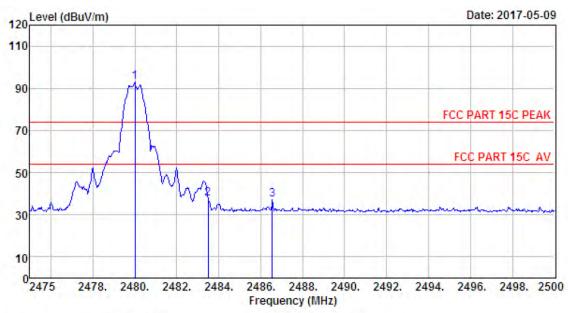
Power : AC 120V/60Hz M/N : DN-300BR : GFSK TX 2480MHz Test Mode

Antenna 1

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	35.11	94.65	93.83	74.00	-19.83	Peak
2	2483.50	27.58	6.71	35.11	37.56	36.74	74.00	37.26	Peak
3	2493.38	27.58	6.73	35.24	38.07	37.14	74.00	36.86	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.





Site no. : 1# 966 Chamber Dis. / Ant. : 3m ANT 1-18G Data no. : 762

Ant. pol. : HORIZONTAL

: FCC PART 15C PEAK Limit

Env. / Ins. : Temp:23.6'; Humi:56%; Press:101.52kPa

: Tony Engineer

EUT : Rackmount Bluetooth Receiver

: AC 120V/60Hz Power M/N : DN-300BR : GFSK TX 2480MHz Test Mode

Antenna 1

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	-	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	35.11	93,67	92.85	74.00	-18.85	Peak
2	2483.50	27.58	6.71	35.11	38.30	37,48	74.00	36.52	Peak
3	2486.55	27.58	6.71	35.11	38.08	37.26	74.00	36.74	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.



6 6dB Bandwidth Test

6.1 Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

6.2 Test Procedure

- 1, The transmitter output (antenna port) was connected to the spectrum analyzer. Connect EUT antenna terminal to the spectrum analyzer with a low loss SMA cable.
- 2, Follow the test procedure as described in KDB 558074
 - (1). Set resolution bandwidth (RBW) = 100 kHz.
 - (2). Set the video bandwidth (VBW) $\geq 3 \times RBW$.
 - (3). Detector = Peak.
 - (4). Trace mode = max hold.
 - (5). Sweep = auto couple.
 - (6). Allow the trace to stabilize.
 - (7). Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.3 Test Result

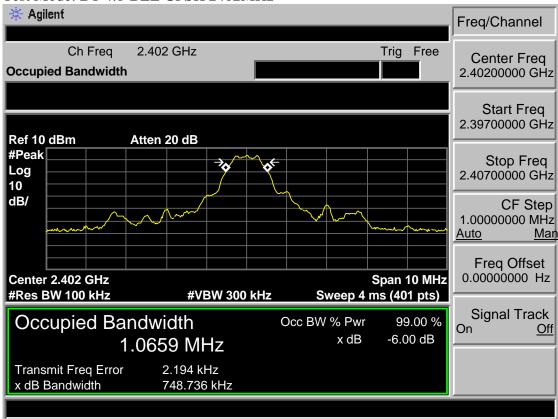
EUT: Rackmon	unt Bluetooth Re	eceiver	
M/N: DN-3001	BR		
Test date: 2017	7-05-06	Tested by: Tony.Tang	Test site: RF Site
Test Mode	СН	6dB bandwidth (MHz)	Limit (KHz)
		Antenna 1	<u>'</u>
DT 4 O DI E	CH1	0.749	>500
BT 4.0-BLE GFSK	CH20	0.750	>500
OFSK	CH40	0.755	>500
		Antenna 2	
DT 40 DIE	CH1	0.750	>500
BT 4.0-BLE GFSK	CH20	0.759	>500
OLSK	CH40	0.753	>500
Conclusion: F	PASS		



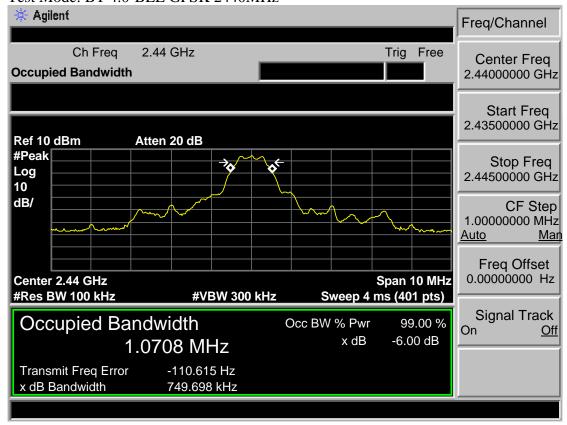
6.4 Test Data

Antenna 1

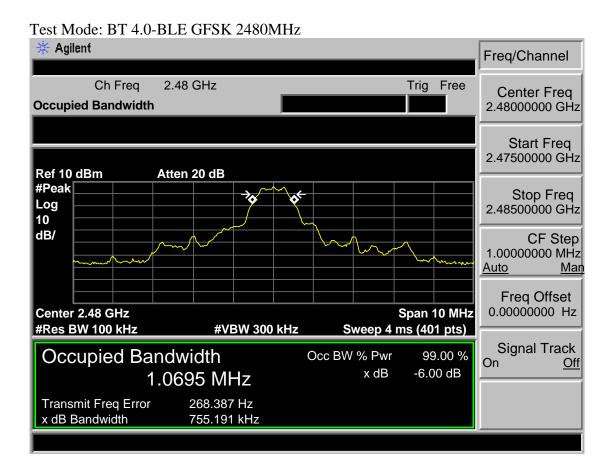
Test Mode: BT 4.0-BLE GFSK 2402MHz



Test Mode: BT 4.0-BLE GFSK 2440MHz



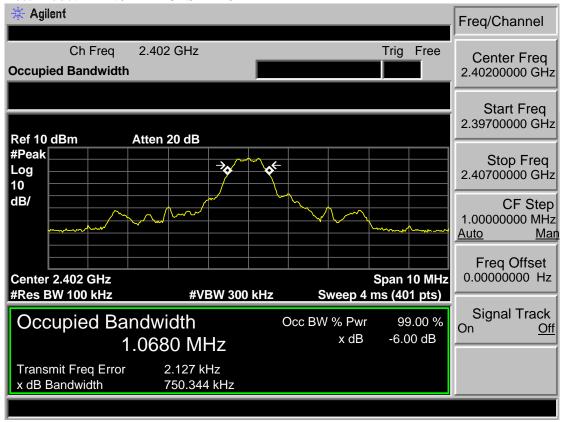




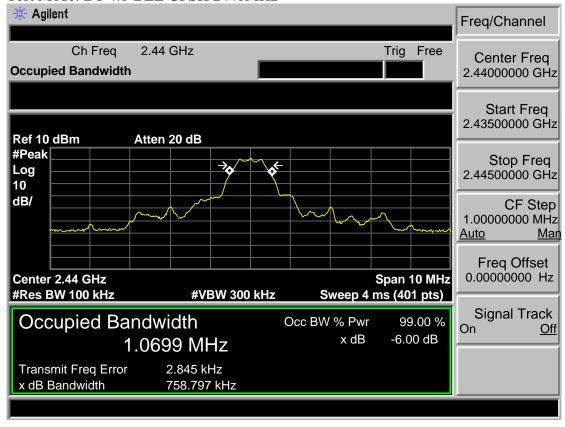


Antenna 2

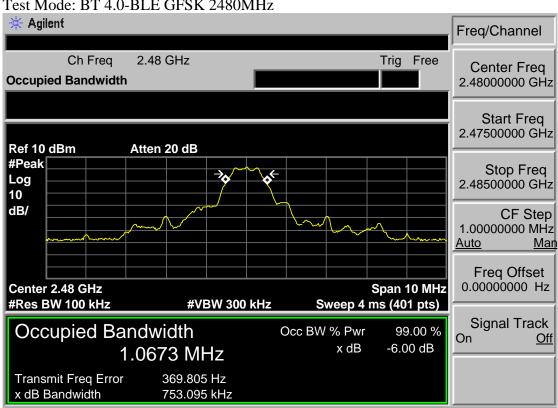
Test Mode: BT 4.0-BLE GFSK 2402MHz



Test Mode: BT 4.0-BLE GFSK 2440MHz











7 OUTPUT POWER TEST

7.1 Limit

For systems using digital modulation in the 2400—2483.5MHz, The Peak out put Power shall not exceed 1W(30dBm)

7.2 Test Procedure

- 1, The transmitter output (antenna port) was connected to the spectrum analyzer. Connect EUT antenna terminal to the spectrum analyzer with a low loss SMA cable.
- 2, Follow the test procedure as described in KDB 558074
 - (1). Set the RBW \geq DTS bandwidth.
 - (2). Set VBW $\geq 3 \times RBW$.
 - (3). Set span \geq 3 x RBW.
 - (4). Sweep time = auto couple.
 - (5). Detector = peak.
 - (6). Trace mode = max hold.
 - (7). Allow trace to fully stabilize.
 - (8). Use peak marker function to determine the peak amplitude level.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.



7.3 Test Result

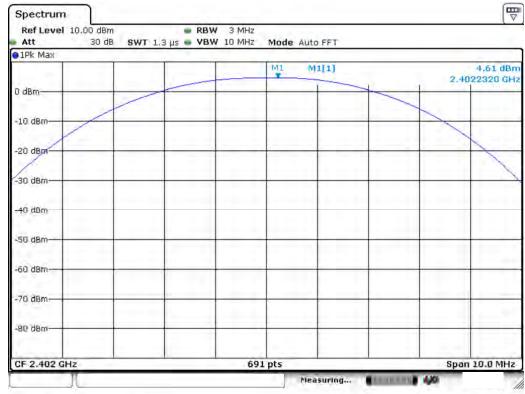
EUT:Rackmount Bluetooth Receiver									
M/N:DN-300BR									
Test date: 2017-	05-06	Test site: 3m Chamber	Tested by: Tony Tang						
Pass									
Test Mode CH Peak output Power (dBm) Limit (dBm)									
Antenna 1									
BT 4.0-BLE	CH1	4.61	30						
GFSK	CH20	5.76	30						
Orbix	CH40	5.48	30						
		Antenna 2							
DT 4 0 DI E	CH1	-0.09	30						
BT 4.0-BLE GFSK	CH20	1.02	30						
OFSK	CH40	3.18	30						
Conclusion: PASS									



7.4 Test Data

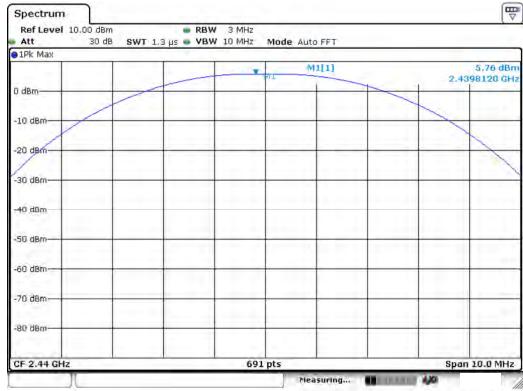
Antenna 1

Test Mode: BT 4.0-BLE GFSK 2402MHz



Dete: 6:MAY12017 38:28:30

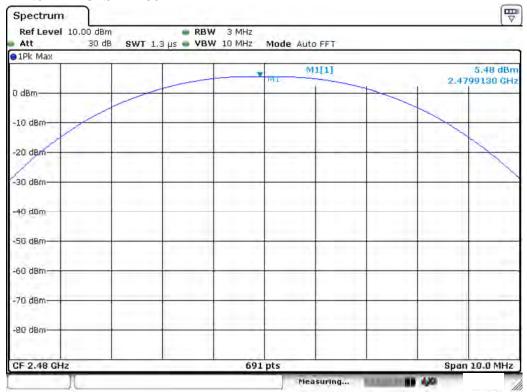
Test Mode: BT 4.0-BLE GFSK 2440MHz



Dote: 67MAY12017 30:36:07



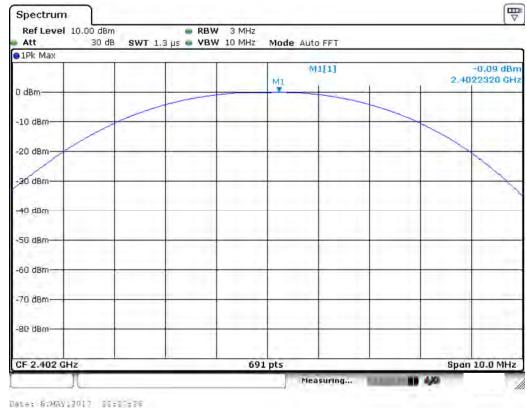
Test Mode: BT 4.0-BLE GFSK 2480MHz



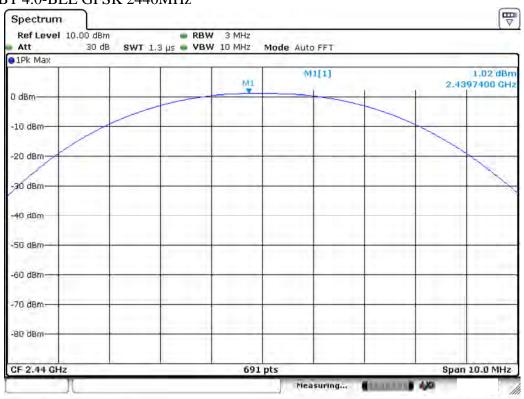
Date: 87MAY12017 30:36:36

Antenna 2

Test Mode: BT 4.0-BLE GFSK 2402MHz



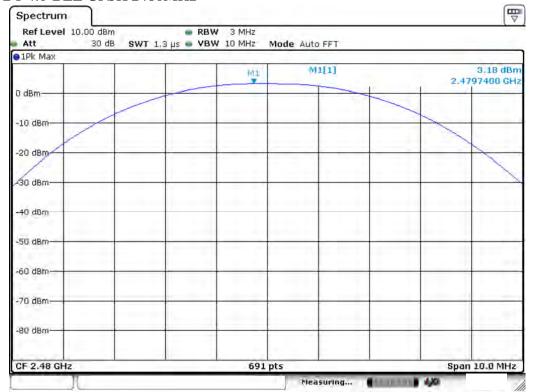
Test Mode: BT 4.0-BLE GFSK 2440MHz





Date: 8:MAY12017 33:37:44

Test Mode: BT 4.0-BLE GFSK 2480MHz



Date: 6:MAY12017 33:38:18

8 POWER SPECTRAL DENSITY TEST

8.1 Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

8.2 Test Procedure

- 1, The transmitter output (antenna port) was connected to the spectrum analyzer. Connect EUT antenna terminal to the spectrum analyzer with a low loss SMA cable.
- 2, Follow the test procedure as described in KDB 558074
- (1). Set analyzer center frequency to DTS channel center frequency.
- (2). Set the span to 1.5 times the DTS bandwidth.
- (3). Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- (4). Set the VBW \geq 3 RBW.
- (5). Detector = peak.
- (6). Sweep time = auto couple.
- (7). Trace mode = max hold.
- (8). Allow trace to fully stabilize.
- (9). Use the peak marker function to determine the maximum amplitude level.
- (10). If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.



8.3 Test Result

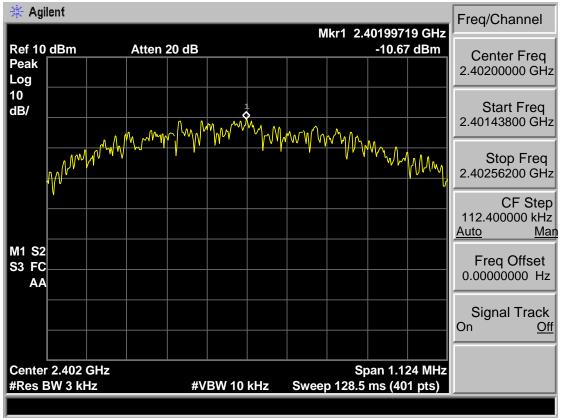
EUT: Rackmoun	nt Bluetooth Red	ceiver	
M/N: DN-300B	R		
Test date: 2017-05-06		Test site: 3m Chamber	Tested by: Tony Tang
		Pass	
Test Mode	СН	Power density (dBm/3kHz)	Limit (dBm/3kHz)
Antenna 1			
BT 4.0-BLE GFSK	CH1	-10.67	8
	CH20	-9.89	8
	CH40	-8.68	8
		Anetnna 2	
BT 4.0-BLE GFSK	CH1	-13.42	8
	CH20	-13.55	8
	CH40	-12.63	8
Conclusion: PA	ASS		



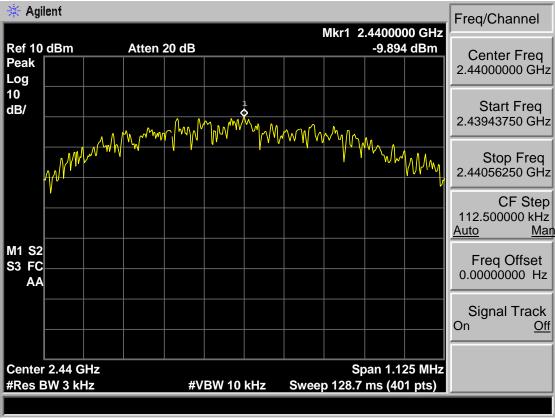
8.4 Test Data

Antenna 1

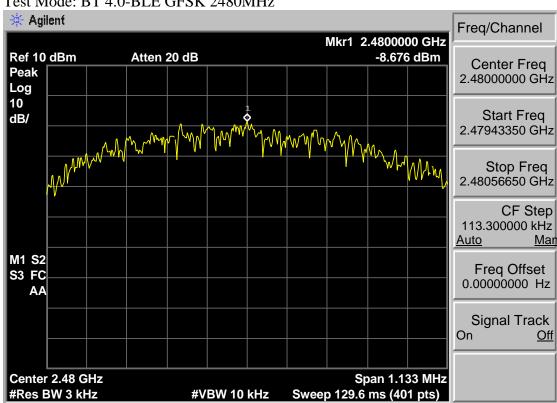
Test Mode: BT 4.0-BLE GFSK 2402MHz



Test Mode: BT 4.0-BLE GFSK 2440MHz





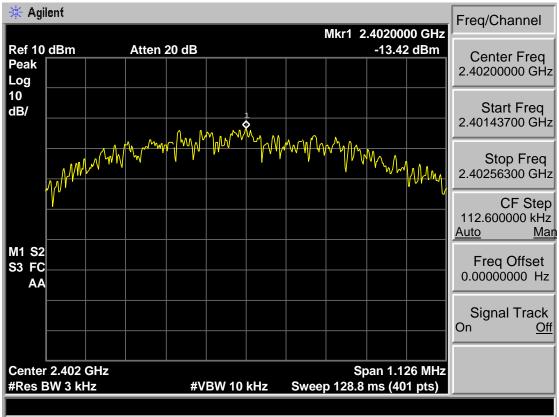


Test Mode: BT 4.0-BLE GFSK 2480MHz

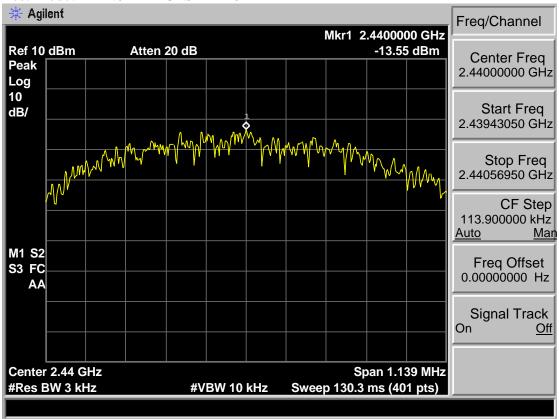


Antenna 2

Test Mode: BT 4.0-BLE GFSK 2402MHz

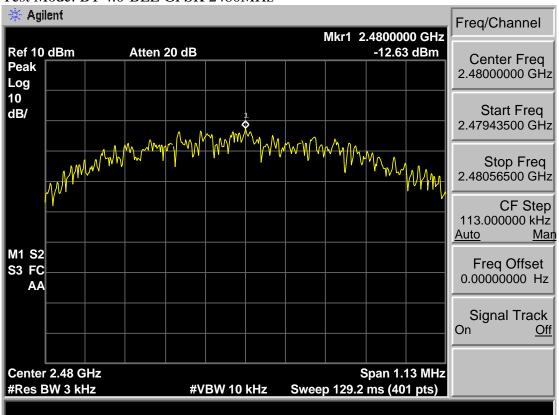


Test Mode: BT 4.0-BLE GFSK 2440MHz





Test Mode: BT 4.0-BLE GFSK 2480MHz





9 ANTENNA REQUIREMENTS

9.1 Limit

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.

9.2 Result

The antennas used for this product are Dipole antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 2.00dBi.



EST Technology Co., Ltd