

FCC AND ISED TEST REPORT FOR CERTIFICATION

On Behalf of

INMUSIC BRANDS INC

CD player

Model Number: DN-700CB

Additional Model: DP30

FCC ID:Y4O-DP30

IC: 11215A-DP30

Prepared for:	INMUSIC BRANDS INC
	200 SCENIC VIEW DRIVE, SUITE 201, CUMBERLAND, RI 02864,
	U.S.A
Prepared By:	EST Technology Co., Ltd.
	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China
	Tel: 86-769-83081888-808

Report Number:	ESTE-R1809086
Date of Test:	September 06 ~ 26, 2018
Date of Report:	September 28, 2018

TABLE OF CONTENTS

<u>Description</u>	<u>Page</u>
TEST REPORT VERIFICATION	3
1. GENERAL INFORMATION.....	5
1.1. Description of Device (EUT)	5
2. SUMMARY OF TEST	6
2.1. Summary of test result.....	6
2.2. Test Facilities.....	7
2.3. Measurement uncertainty	8
2.4. Assistant equipment used for test	8
2.5. Block Diagram.....	8
2.6. Test mode	9
2.7. Channel List.....	9
2.8. Test Equipment.....	10
3. MAXIMUM PEAK OUTPUT POWER.....	12
3.1. Limit	12
3.2. Test Procedure	12
3.3. Test Result	12
3.4. Test Data.....	13
4. 20 DB BANDWIDTH	17
4.1. Limit	17
4.2. Test Procedure	17
4.3. Test Result	17
4.4. Test Data.....	18
5. 99% BANDWIDTH	22
5.1. Test Procedure	22
5.2. Test Result	22
5.3. Test Data.....	23
6. CARRIER FREQUENCY SEPARATION.....	24
6.1. Limit	24
6.2. Test Procedure	24
6.3. Test Result	24
6.4. Test Data.....	25
7. NUMBER OF HOPPING CHANNEL	29
7.1. Limit	29
7.2. Test Procedure	29
7.3. Test Result	29
7.4. Test Data.....	30
8. DWELL TIME.....	32
8.1. Limit	32
8.2. Test procedure	32
8.3. Test Result	32
8.4. Test Data.....	33
9. RADIATED EMISSIONS	39

9.1.	Limit	39
9.2.	Block Diagram of Test setup.....	40
9.3.	Test Procedure	41
9.4.	Test Result.....	41
9.5.	Test Data.....	42
10.	BAND EDGE COMPLIANCE	80
10.1.	Block Diagram of Test setup.....	80
10.2.	Test Procedure	80
10.3.	Test Result.....	80
10.4.	Test Data.....	81
11.	POWER LINE CONDUCTED EMISSIONS	113
11.1.	Limit	113
11.2.	Test Procedure	113
11.3.	Test Result.....	113
11.4.	Test data.....	114
12.	ANTENNA REQUIREMENTS.....	120
12.1	Limit	120
12.2	Result.....	120
13.	TEST SETUP PHOTO.....	121
14.	PHOTO EUT	124

EST Technology Co., Ltd.

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:	CD player		
Model Number:	DN-700CB		
	DP30		
Additional Model:	Note: They are identical to each other, only except for model name, appearance in color or decorating parts and silkscreen for marketing purpose.		
Power Supply:	AC 100-240V ~ 50/60Hz, 20W		
Test Voltage:	AC 120V/60Hz AC 240V/60Hz		
Trade Name:	Denon professional	Serial No.:	-----
Date of Receipt:	August 30, 2018	Date of Test:	September 06 ~ 26, 2018
Test Specification:	FCC Rules and Regulations Part 15 Subpart C:2017 ANSI C63.10:2013 RSS 247 Issue 2.0 February 2017 RSS GEN Issue 5, April 2018		
Test Result:	<p>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 Regulations Part 15 Subpart C and RSS-247 requirements.</p> <p>This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.</p>		
Date: September 28, 2018			
Prepared by:	Reviewed by:	Approved by:	
			
Ring / Assistant	Tony / Engineer	Iceman Hu / Manager	
Other Aspects:			
None.			
Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested			
This test report is based 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	:	CD player				
Model Number	:	DN-700CB				
FCC ID	:	Y4O-DP30				
IC	:	11215A-DP30				
Operation frequency	:	2402MHz~2480MHz				
Number of channel	:	79	40			
Antenna	:	Antenna	M/N	Type		
	1	AN13-04	External Antenna	2.5 dBi		
	2	TQC-2400-1.8DXBNC		2.5 dBi		
Note: The device has one BNC jack, and include two antennas for customers to choose one to use.						
Modulation	:	Dual-mode Bluetooth 4.0 BT BDR: GFSK BT EDR: $\pi/4$ -DQPSK BT EDR: 8-DPSK	Dual-mode Bluetooth 4.0 BLE: GFSK			
Product Software Version	:	V1.07				
Product Hardware Version	:	HMS1				
Radio Software Version	:	BT V0101				
Radio Hardware Version	:	OTS1				
RF power setting in test SW	:	7				
Test SW Version	:	RTK BT MP TOOL				

2. SUMMARY OF TEST

2.1. Summary of test result

Description of Test Item	Standard	Results
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10:2013 KDB 558074 RSS Gen Issue 5 Section8.8	PASS
Radiated Emission Test	FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.10:2013 KDB 558074 RSS 247 Issue 2 Section5.5 RSS Gen Issue 5 Section8.9 RSS Gen Issue 5 Section8.10	PASS
Band Edge Compliance Test	FCC Part 15: 15.247(d) KDB 558074 RSS Gen Issue 5 Section6.6	PASS
99% BandWidth	RSS Gen Issue 4 Section6.6	PASS
Carrier Frequency Separation Test	FCC Part 15: 15.247(a)(1) KDB 558074 RSS 247 Issue 2 Section5.1 (a)	PASS
20 dB Bandwidth Test	FCC Part 15: 15.247a1 KDB 558074 RSS 247 Issue 2 Section5.1 (d)	PASS
Number Of Hopping Frequency Test	FCC Part 15: 15.247(a)(1)(iii) KDB 558074 RSS 247 Issue 2 Section5.1 (d)	PASS
Dwell Time Test	FCC Part 15: 15.247(a)(1)(iii) KDB 558074 RSS 247 Issue 2 Section5.4 (b)	PASS
Maximum Peak Output Power Test	FCC Part 15: 15.247(b)(1) KDB 558074 RSS Gen Issue 5 Section8.6	PASS
Antenna requirement	FCC Part 15: 15.203	PASS
Note: KDB 558074 D01 15.247 Meas Guidance v05		

2.2. Test Facilities

EMC Lab	:	<p>Certificated by CNAS, CHINA Registration No.: L5288 Date of registration: November 13, 2017</p> <p>Certificated by A2LA, USA Registration No.: 4366.01 Date of registration: November 07, 2017</p> <p>Certificated by FCC, USA Designation Number: CN1215 Registration No.: 722932 Date of registration: November 21, 2017</p> <p>Certificated by Industry Canada Registration No.: 9405A Date of registration: December 03, 2015</p> <p>Certificated by VCCI, Japan Registration No.: R-13663; C-14103 Date of registration: July 25, 2017 This Certificate is valid until: July 24, 2020</p> <p>Certificated by TUV Rheinland, Germany Registration No.: UA 50195514 0001 Date of registration: February 07, 2015</p> <p>Certificated by TUV/PS, Shenzhen Registration No.: SCN1017 Date of registration: January 27, 2011</p> <p>Certificated by Intertek ETL SEMKO Registration No.: 2011-RTL-L2-64 Date of registration: April 28, 2011</p> <p>Certificated by Nemko, Hong Kong Registration No.: 175193 Date of registration: May 4, 2011</p>
Name of Firm	:	EST Technology Co., Ltd.
Site Location	:	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China

2.3. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	$\pm 3.48\text{dB}$
Uncertainty for spurious emissions test (30MHz-1GHz)	$\pm 4.60 \text{ dB}(\text{Polarize: H})$
	$\pm 4.68 \text{ dB}(\text{Polarize: V})$
Uncertainty for spurious emissions test (1GHz to 18GHz)	$\pm 4.96\text{dB}$
Uncertainty for radio frequency	7×10^{-8}
Uncertainty for conducted RF Power	0.20dB
Uncertainty for Power density test	0.26dB

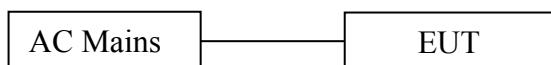
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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 set into Bluetooth test mode by software before test.



(EUT: CD player)

2.6. Test mode

The test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode

Mode	Channel	Frequency
GFSK	Low	2402MHz
	Middle	2441MHz
	High	2480MHz
8-DPSK	Low	2402MHz
	Middle	2441MHz
	High	2480MHz

2.7. Channel List

Channel No.	Frequency (MHz)						
1	2402	2	2403	3	2404	4	2405
5	2406	6	2407	7	2408	8	2409
9	2410	10	2411	11	2412	12	2413
13	2414	14	2415	15	2416	16	2417
17	2418	18	2419	19	2420	20	2421
21	2422	22	2423	23	2424	24	2425
25	2426	26	2427	27	2428	28	2429
29	2430	30	2431	31	2432	32	2433
33	2434	34	2435	35	2436	36	2437
37	2438	38	2439	39	2440	40	2441
41	2442	42	2443	43	2444	44	2445
45	2446	46	2447	47	2448	48	2449
49	2450	50	2451	51	2452	52	2453
53	2454	54	2455	55	2456	56	2457
57	2458	58	2459	59	2460	60	2461
61	2462	62	2463	63	2464	64	2465
65	2466	66	2467	67	2468	68	2469
69	2470	70	2471	71	2472	72	2473
73	2474	74	2475	75	2476	76	2477
77	2478	78	2479	79	2480	-	-

2.8. Test Equipment

2.8.1. For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	CEPREI	June 15,18	1 Year
Artificial Mains Network	Rohde & Schwarz	ENV216	101260	CEPREI	June 15,18	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	CEPREI	June 15,18	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

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

Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	101780	CEPREI	June 15,18	1 Year
Active Loop Antenna	SCHWARZB ECK	FMZB1519	1519-038	CEPREI	October 08,17	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

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

Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	101780	CEPREI	June 15,18	1 Year
Bilog Antenna	Teseq	CBL 6111D	27090	CEPREI	June 15,18	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

2.8.4. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
Horn Antenna	SCHWARZB ECK	BBHA 9120 D	BBHA912 0D1002	CEPREI	June 18,18	1 Year
Horn Antenna	SCHWARZB ECK	BBHA9170	BBHA917 0242	CEPREI	June 18,18	1 Year
Signal Amplifier	SCHWARZB ECK	BBV9718	9718-212	CEPREI	June 15,18	1 Year
Spectrum Analyzer	Rohde & Schwarz	FSV	103173	CEPREI	June 15,18	1 Year
PSA Series Spertrum Analyzer	Agilent	E4447A	MY50180 031	CEPREI	June 15,18	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

2.8.5. For connect EUT antenna terminal test

Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
Spectrum Analyzer	Rohde & Schwarz	FSV	103173	CEPREI	June 15,18	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211 139	CEPREI	June 15,18	1 Year

3. MAXIMUM PEAK OUTPUT POWER

3.1. Limit

For FHSs operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1.0 W if the hopset employing at least 75 non-overlapping hopping channels; shall not exceed 0.125 W if the hopset employing at greater than or equal to 15 and less than 75 non-overlapping hopping channels.

3.2. Test Procedure

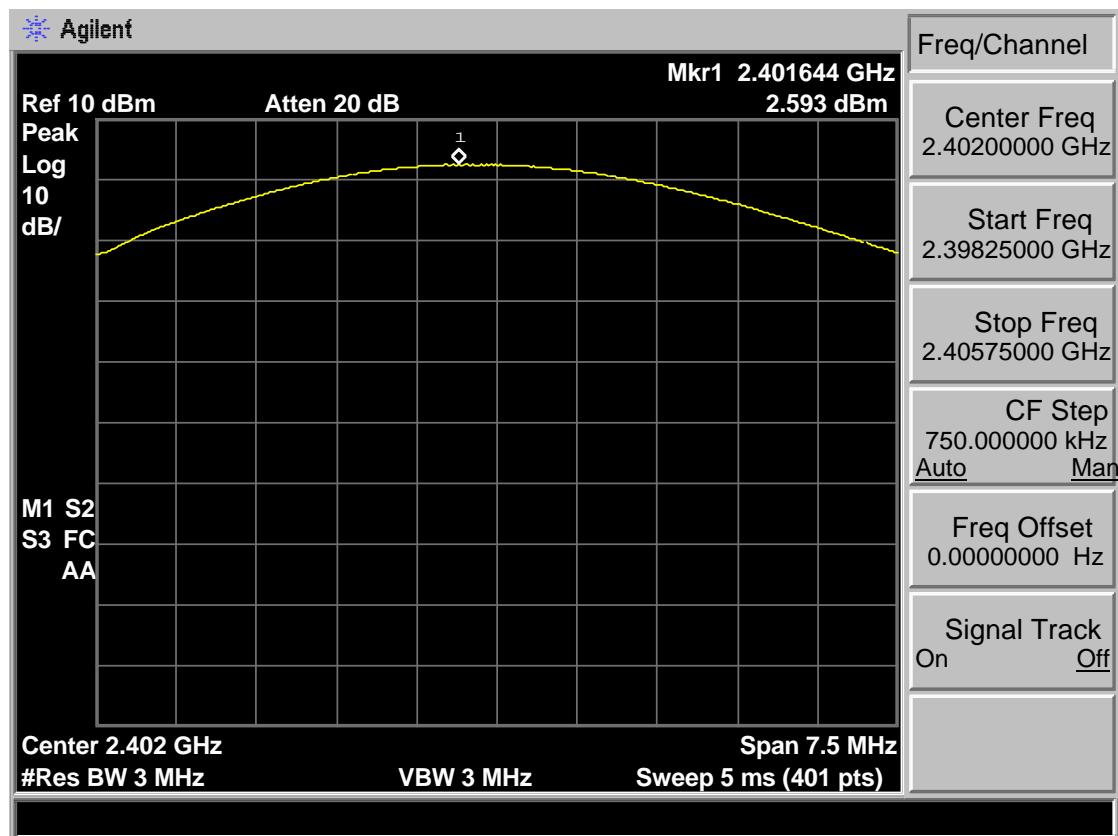
The transmitter output (antenna port) was connected to the spectrum analyzer. Connect EUT antenna terminal to the spectrum analyzer with a low loss SMA cable.

3.3. Test Result

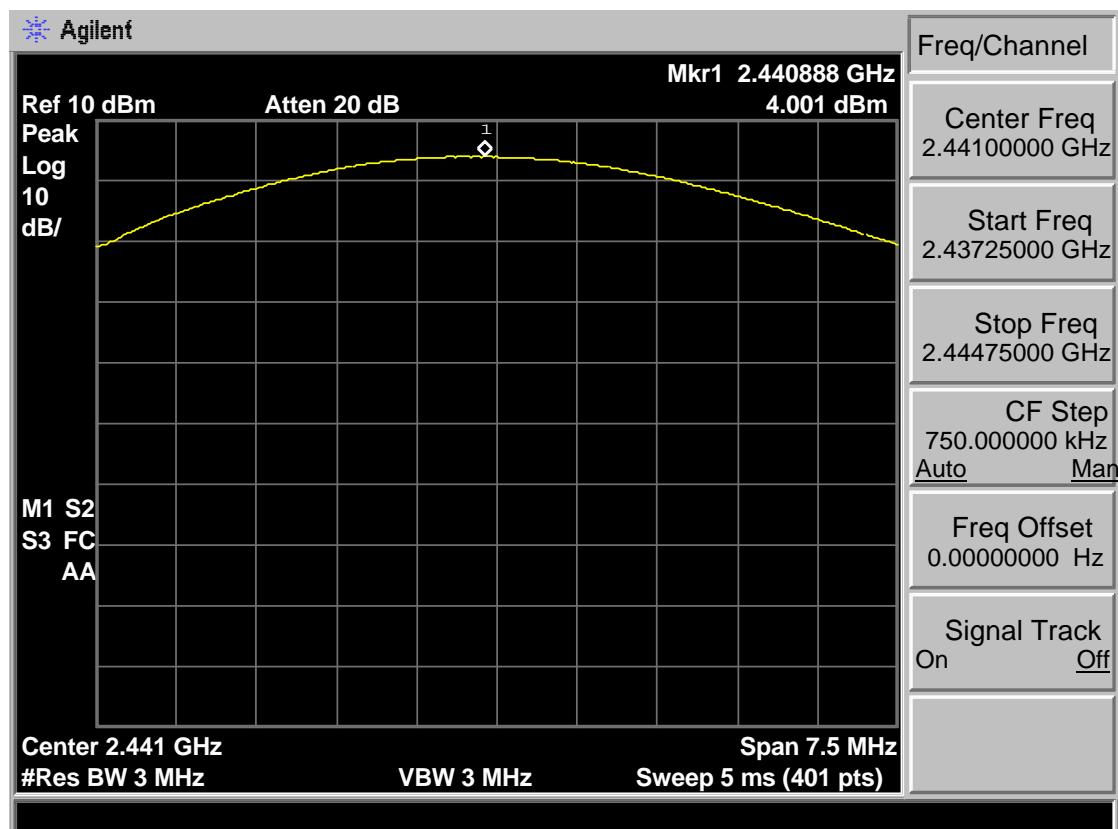
EUT: CD player M/N: DN-700CB					
Test date: 2018-09-14		Test site: RF site		Tested by: Tony	
Mode	Freq (MHz)	Result (dBm)	Limit		Conclusion
			dBm	W	
GFSK	2402	2.593	30.00	1	Pass
	2441	4.001	30.00	1	Pass
	2480	6.277	30.00	1	Pass
8-DPSK	2402	2.277	30.00	1	Pass
	2441	3.457	30.00	1	Pass
	2480	4.943	30.00	1	Pass

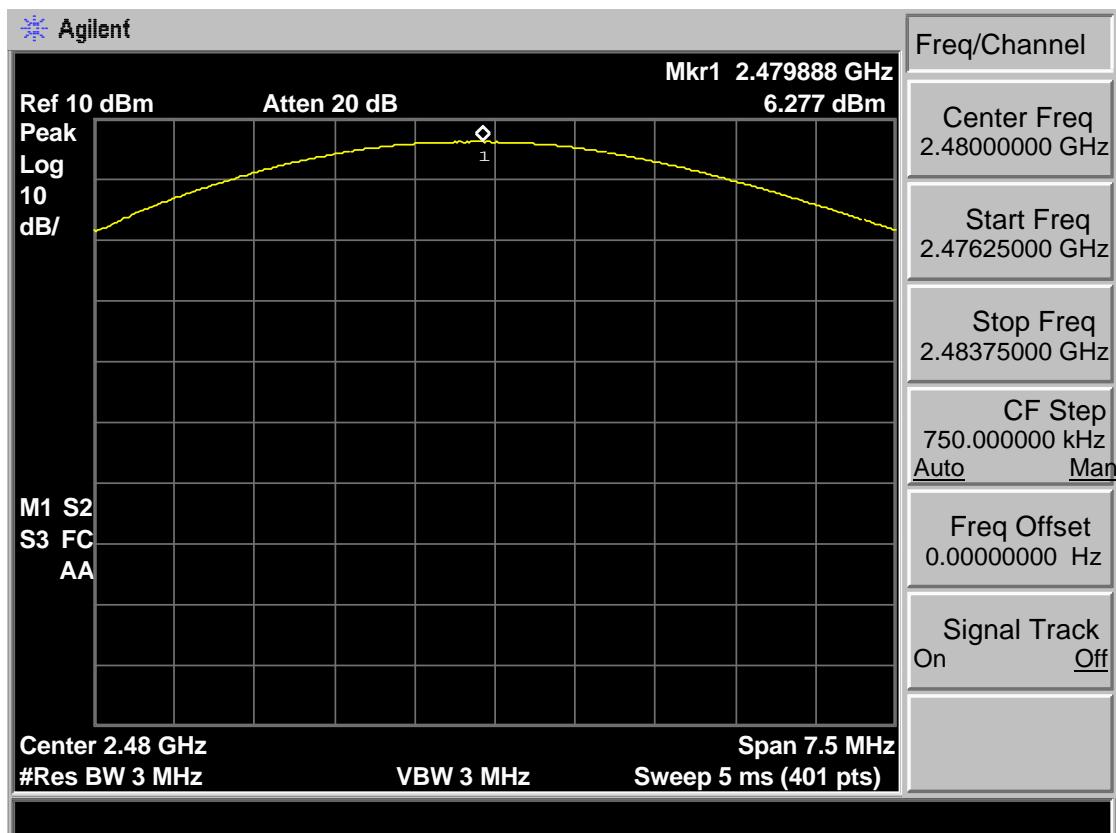
3.4. Test Data

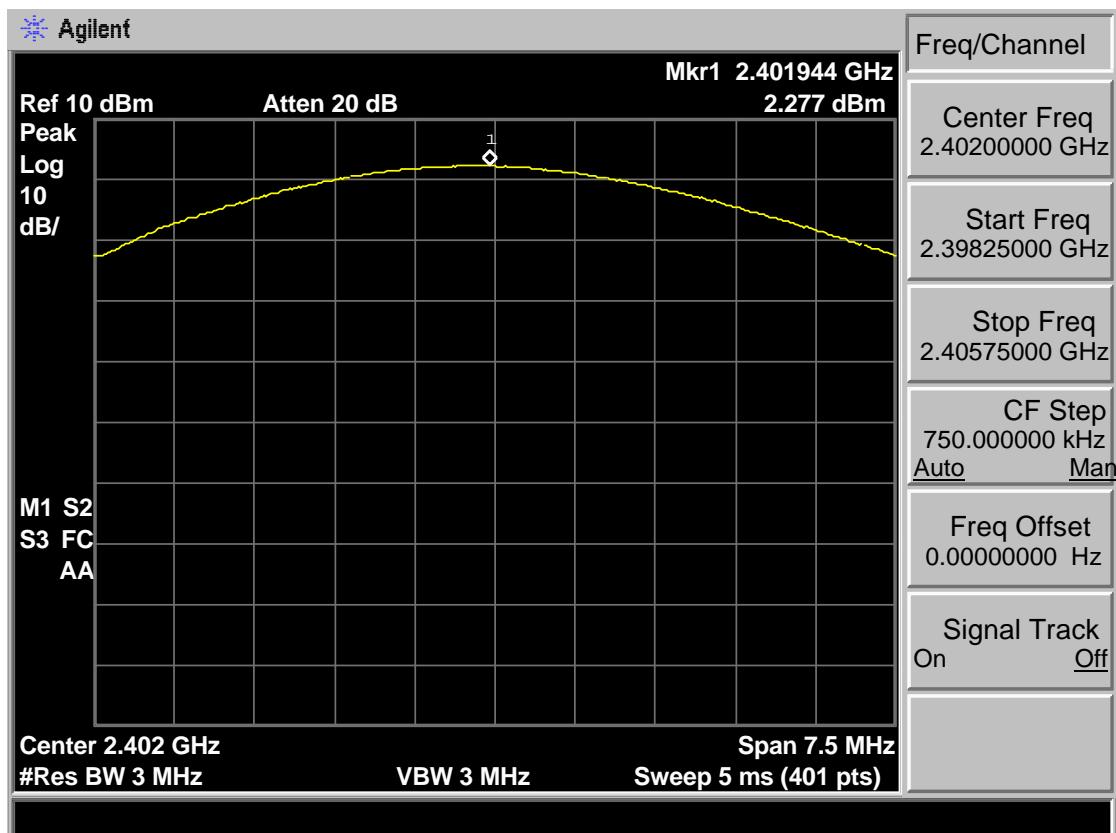
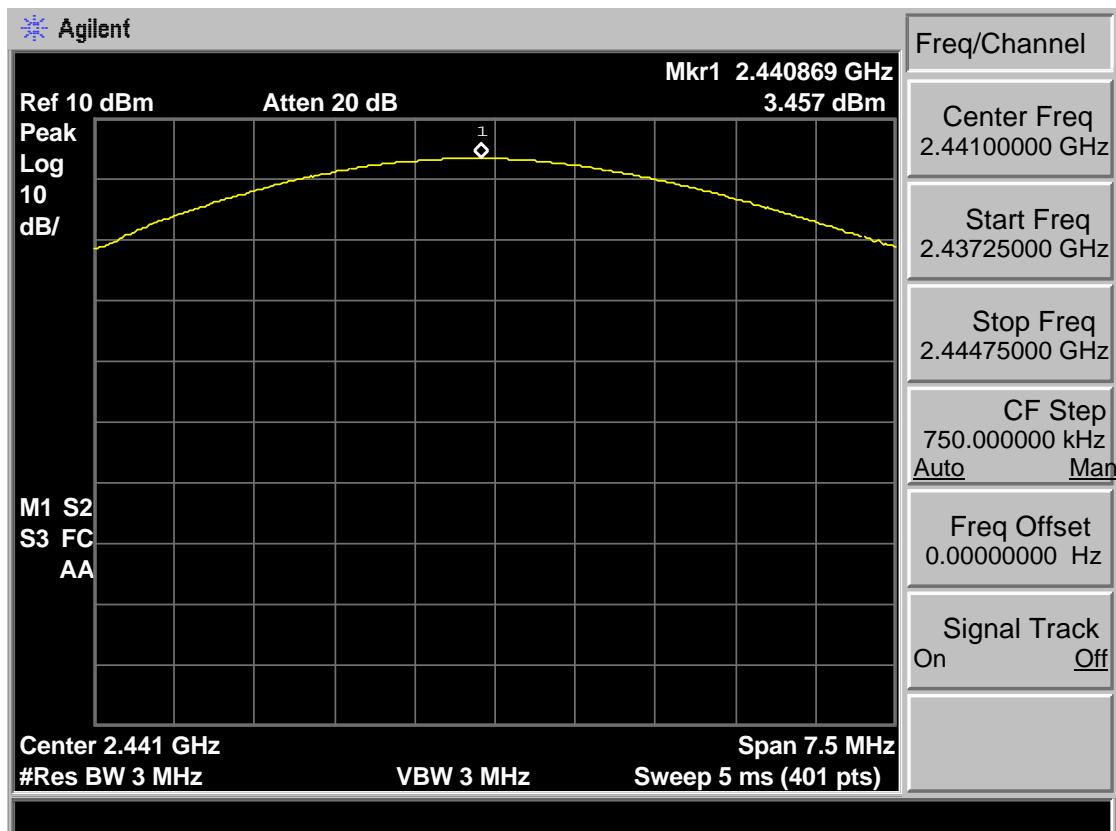
GFSK 2402 MHz

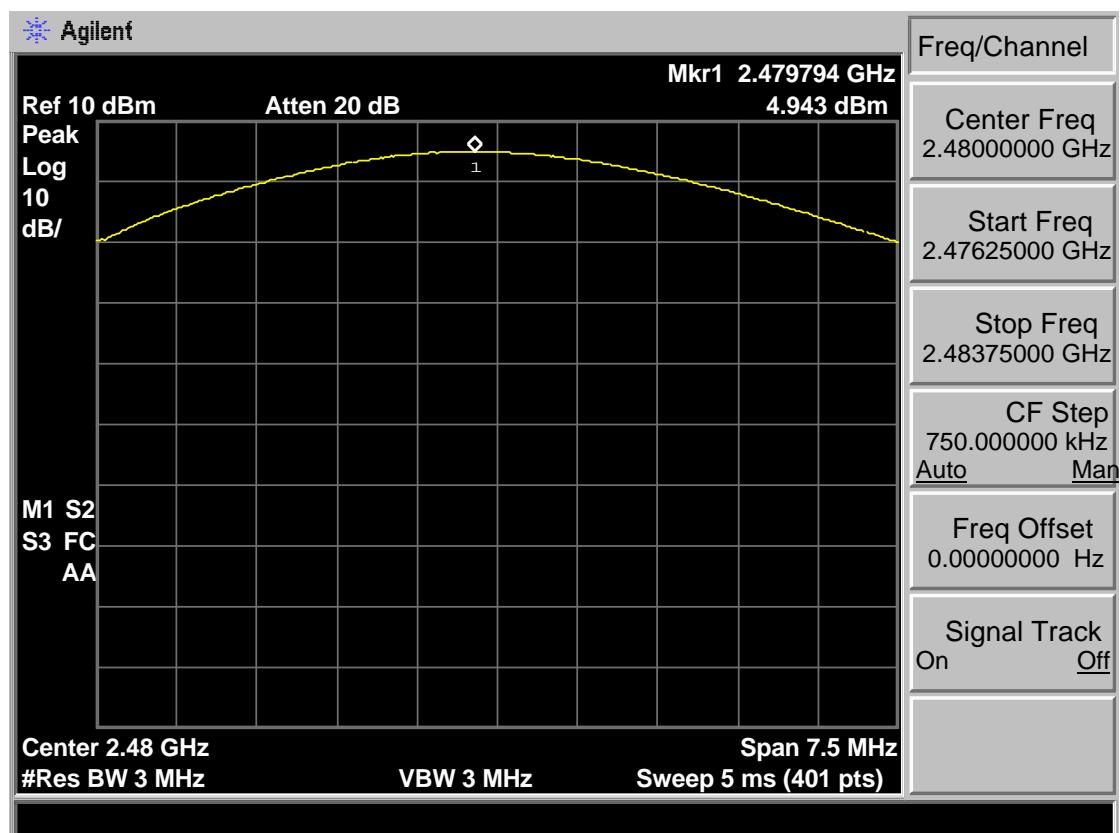


GFSK 2441 MHz



GFSK 2480 MHz

8-DPSK 2402 MHz**8-DPSK 2441 MHz**

8-DPSK 2480 MHz

4. 20 DB BANDWIDTH

4.1. Limit

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.2. Test Procedure

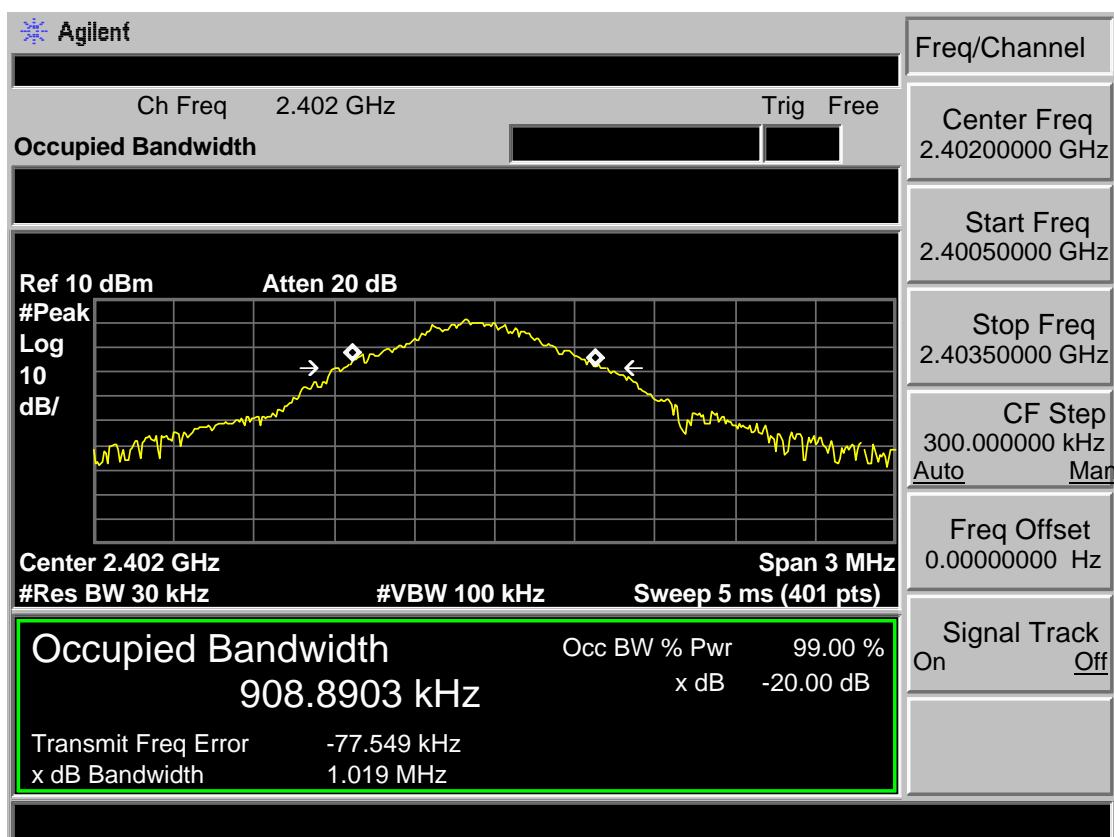
The transmitter output (antenna port) was connected to the spectrum analyzer. Connect EUT antenna terminal to the spectrum analyzer with a low loss SMA cable. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

4.3. Test Result

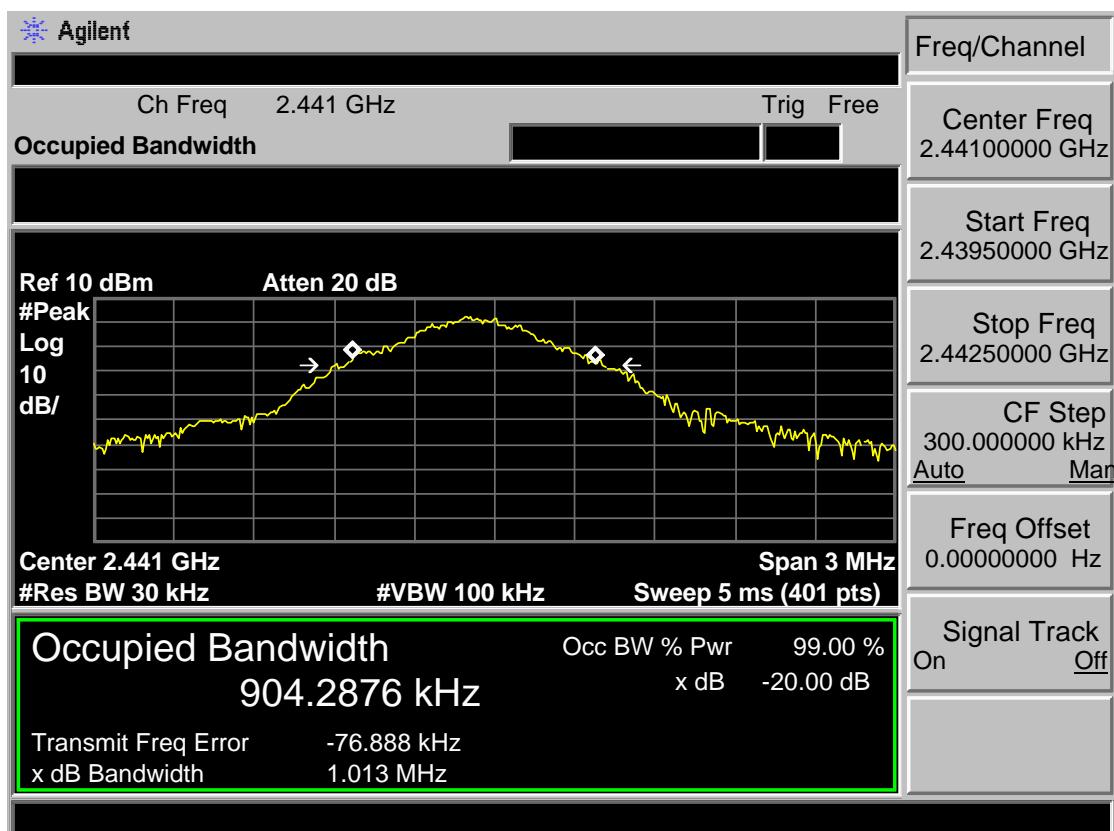
EUT: CD player M/N: DN-700CB				
Test date: 2018-09-14		Test site: RF site	Tested by: Tony	
Mode	Freq (MHz)	20dB Bandwidth (MHz)	Limit (kHz)	Conclusion
GFSK	2402	1.019	/	PASS
	2441	1.013	/	PASS
	2480	1.020	/	PASS
8-DPSK	2402	1.329	/	PASS
	2441	1.309	/	PASS
	2480	1.323	/	PASS

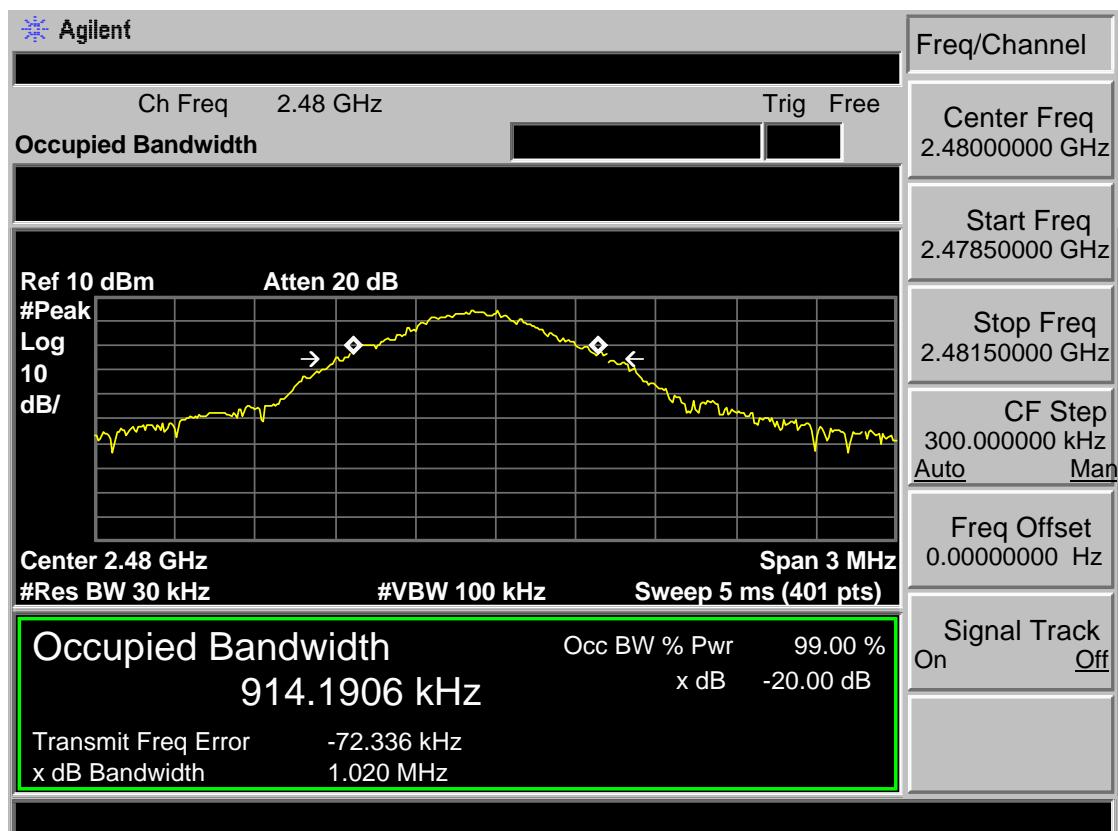
4.4. Test Data

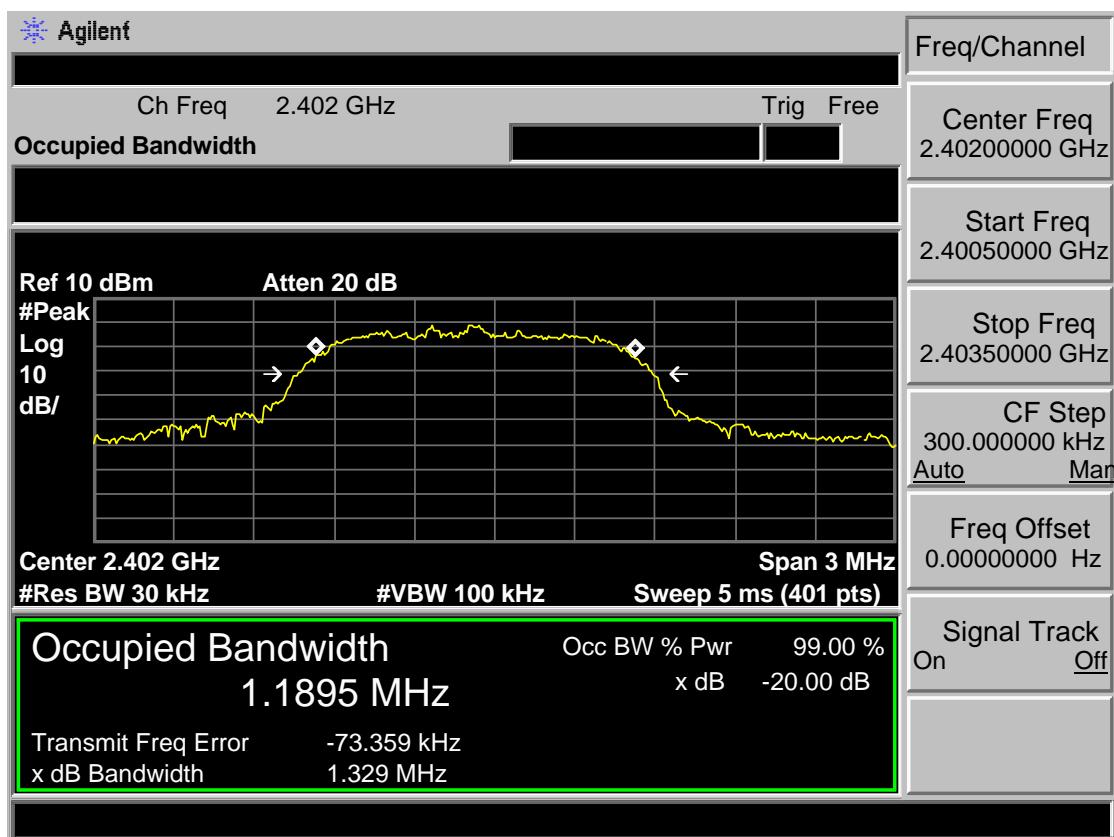
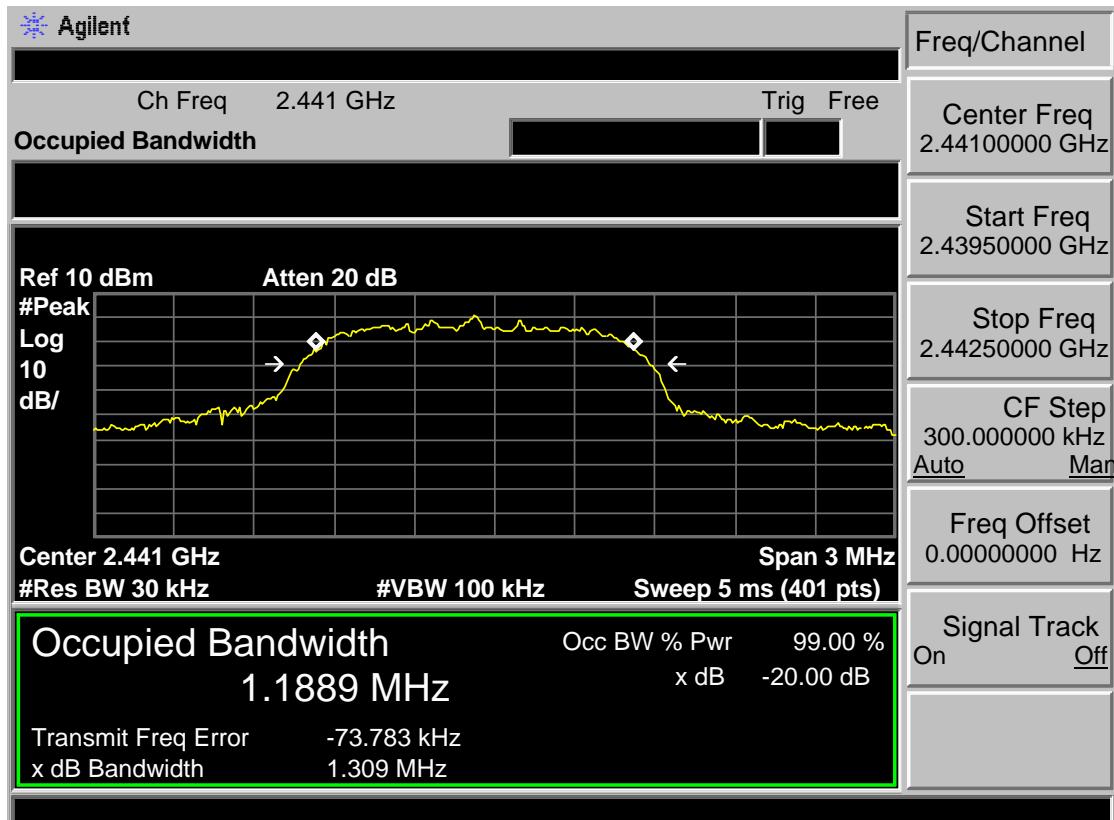
GFSK 2402MHz

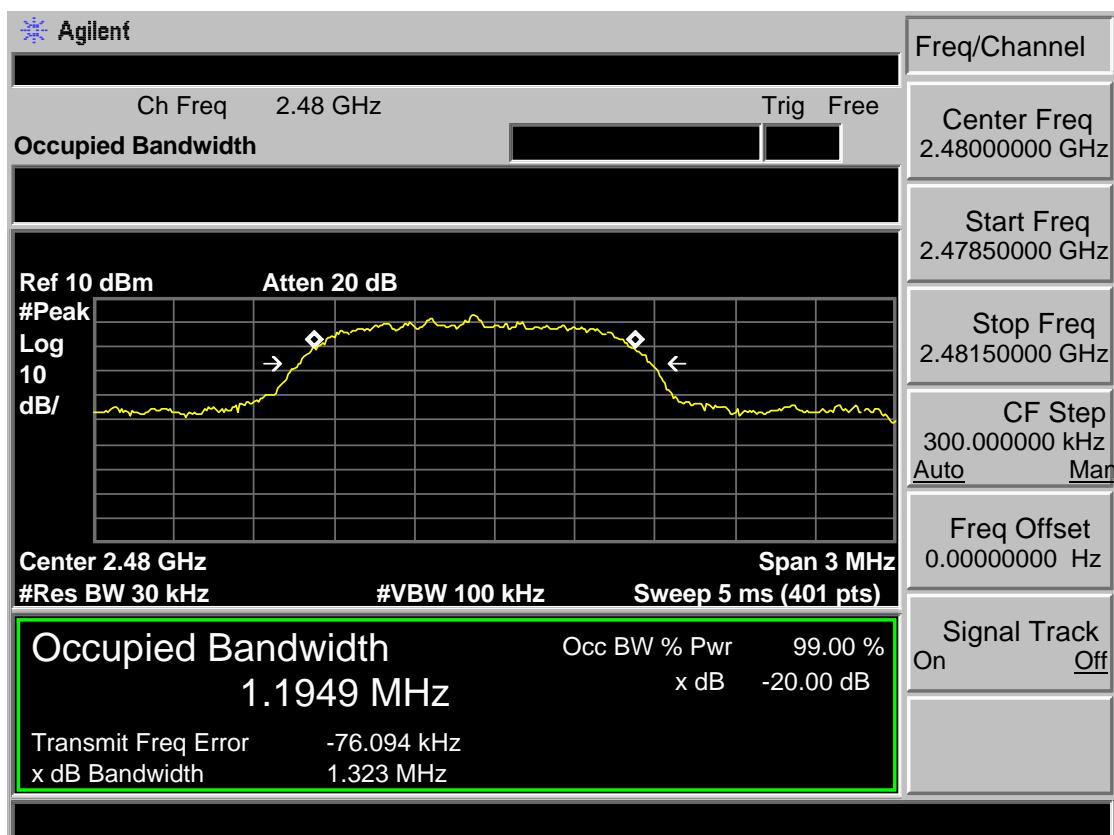


GFSK 2441MHz



GFSK 2480MHz

8-DPSK 2402MHz**8-DPSK 2441MHz**

8-DPSK 2480MHz

5. 99% BANDWIDTH

5.1. Test Procedure

The transmitter output was coupled to a spectrum analyzer via a antenna. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW. The transmitted signal bandwidth shall be reported as the 99% emission bandwidth, as calculated or measured.

5.2. Test Result

EUT: CD player M/N: DN-700CB				
Test date: 2018-09-14		Test site: RF site	Tested by: Tony	
Mode	Freq (MHz)	99% Bandwidth (MHz)	Limit (kHz)	Conclusion
GFSK	2402	0.909	/	PASS
	2441	0.904	/	PASS
	2480	0.914	/	PASS
8-DPSK	2402	1.190	/	PASS
	2441	1.189	/	PASS
	2480	1.195	/	PASS

5.3. Test Data

Note: Test plot, Please refer to 4.3.

6. CARRIER FREQUENCY SEPARATION

6.1. Limit

FHSs shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the -20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, FHSs operating in the band 2400-2483.5 MHz may have hopping channel carrier frequencies that are separated by 25 kHz or two thirds of the -20 dB bandwidth of the hopping channel, whichever is greater, provided that the systems operate with an output power no greater than 0.125 W. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

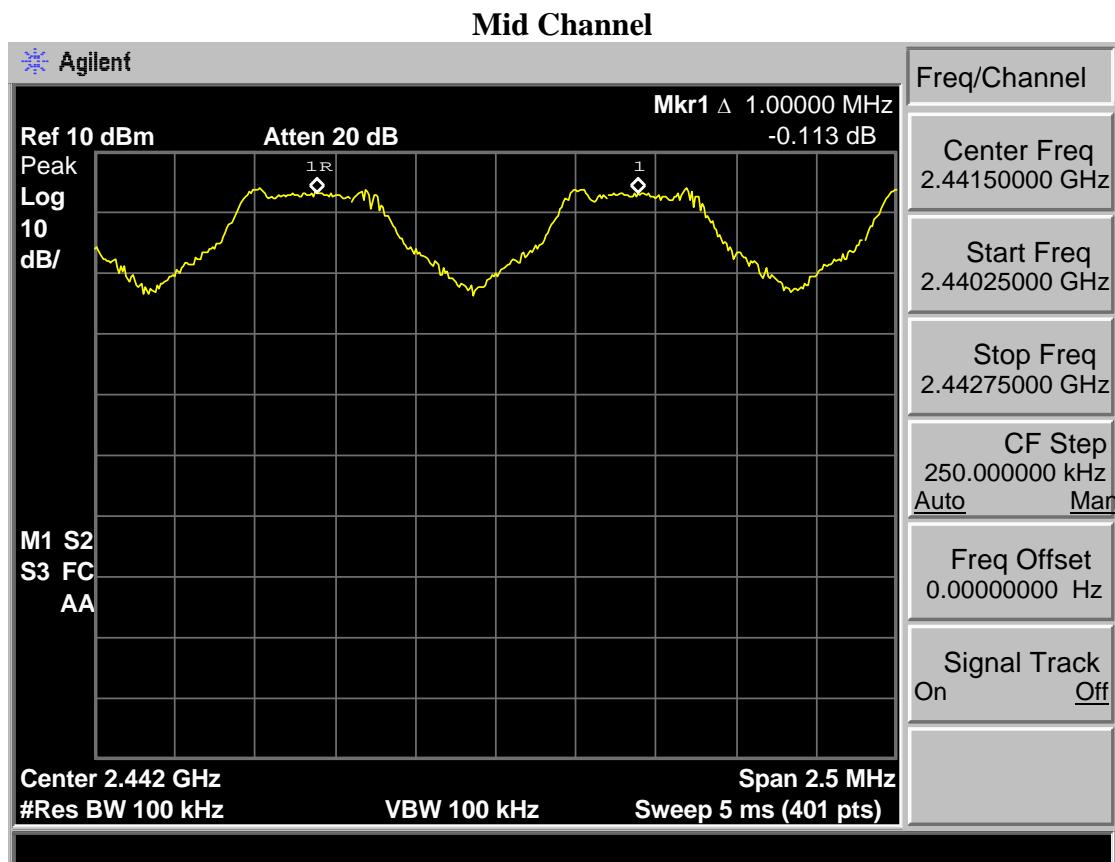
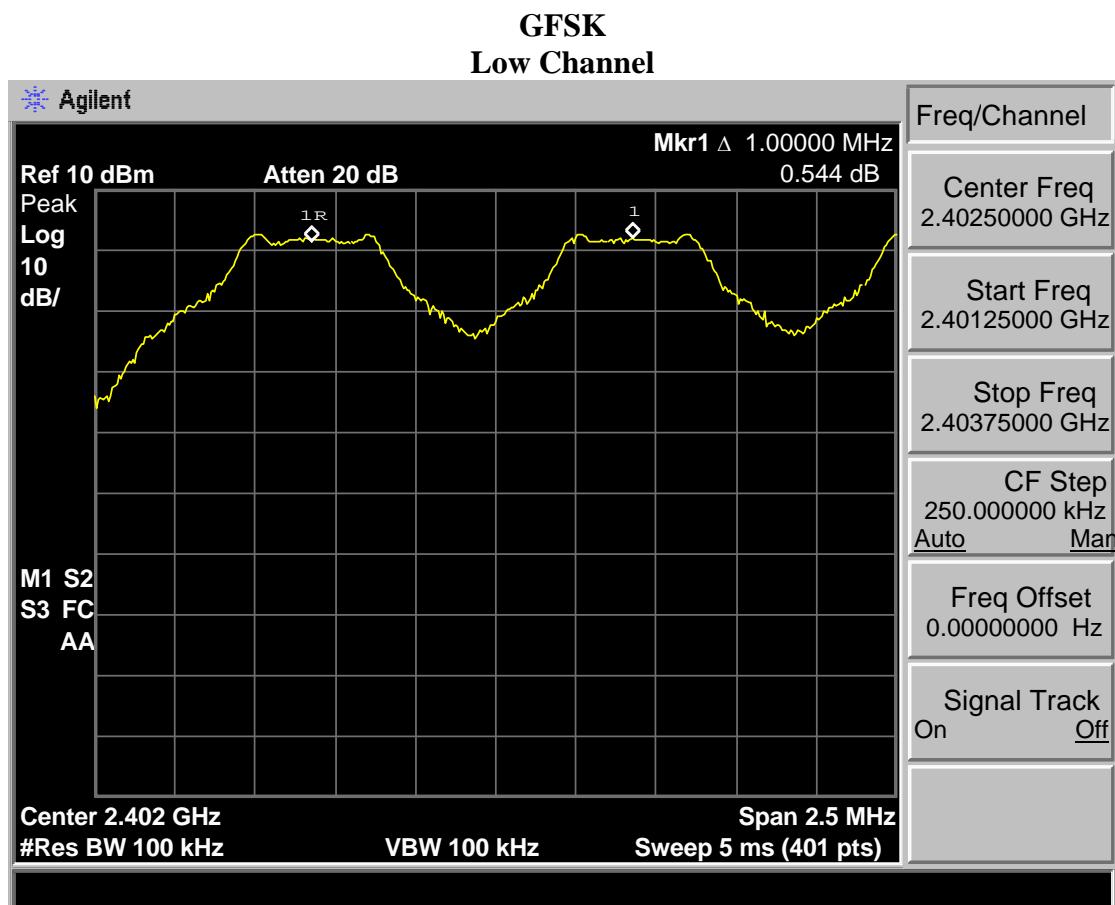
6.2. Test Procedure

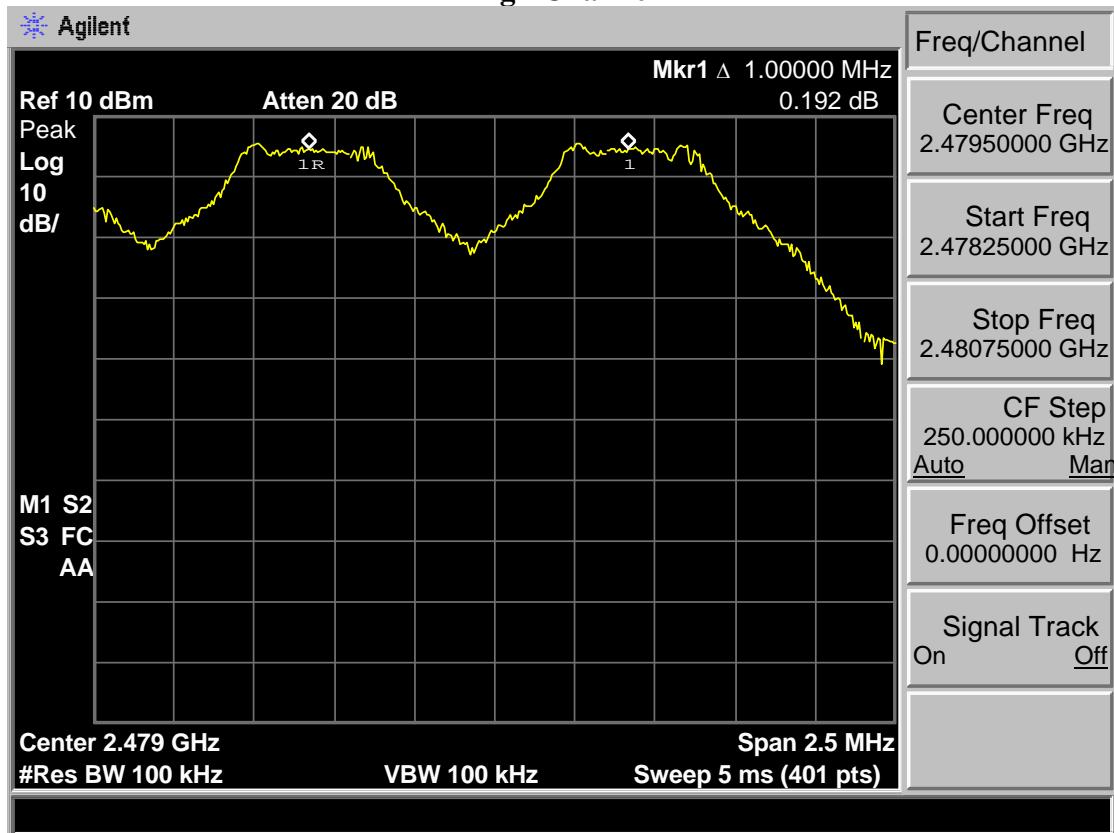
The transmitter output (antenna port) was connected to the spectrum analyzer. Connect EUT antenna terminal to the spectrum analyzer with a low loss SMA cable. The carrier frequency was measured by spectrum analyzer with 100kHz RBW and 100kHz VBW.

6.3. Test Result

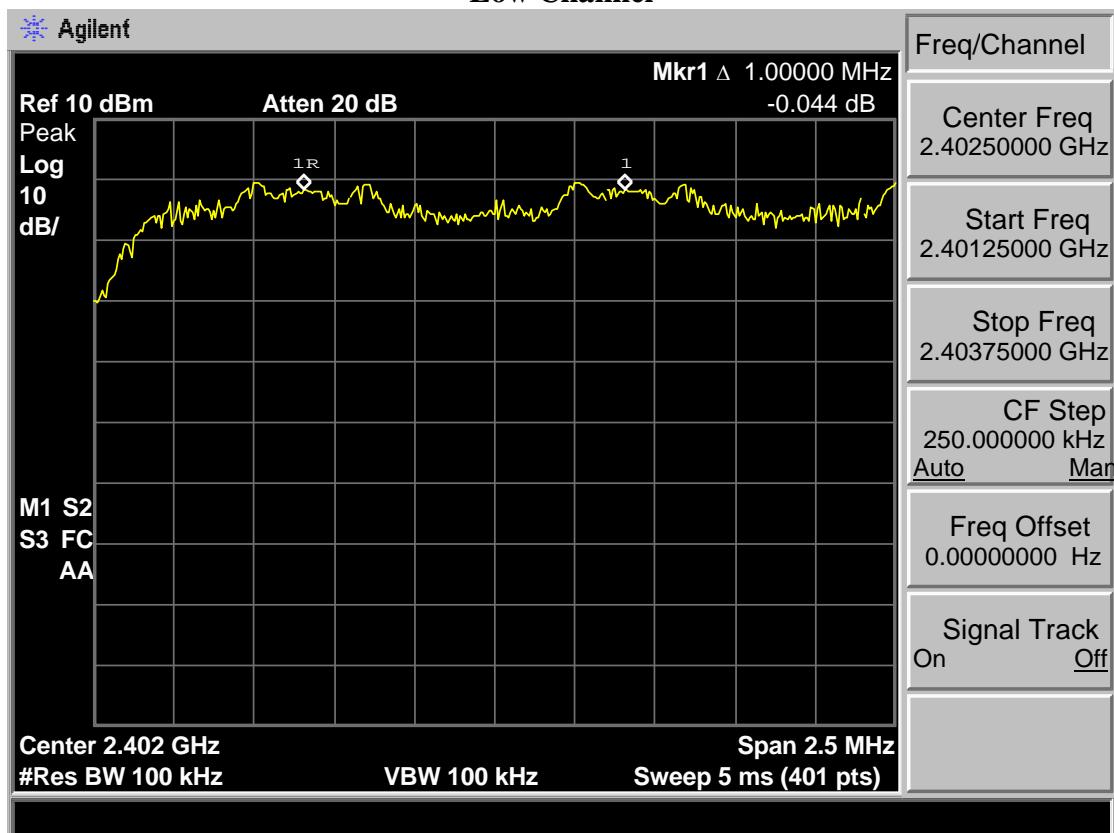
EUT: CD player M/N: DN-700CB				
Test date: 2018-09-14		Test site: RF site	Tested by: Tony	
Mode	Channel	Channel separation (MHz)	Limit	Conclusion
GFSK	Low CH	1.000	> 2/3 of the 20dB Bandwidth or 25[kHz](whichever is greater)	PASS
	Mid CH	1.000		PASS
	High CH	1.000		PASS
8-DPSK	Low CH	1.000	> 2/3 of the 20dB Bandwidth or 25[kHz](whichever is greater)	PASS
	Mid CH	1.000		PASS
	High CH	1.000		PASS

6.4. Test Data

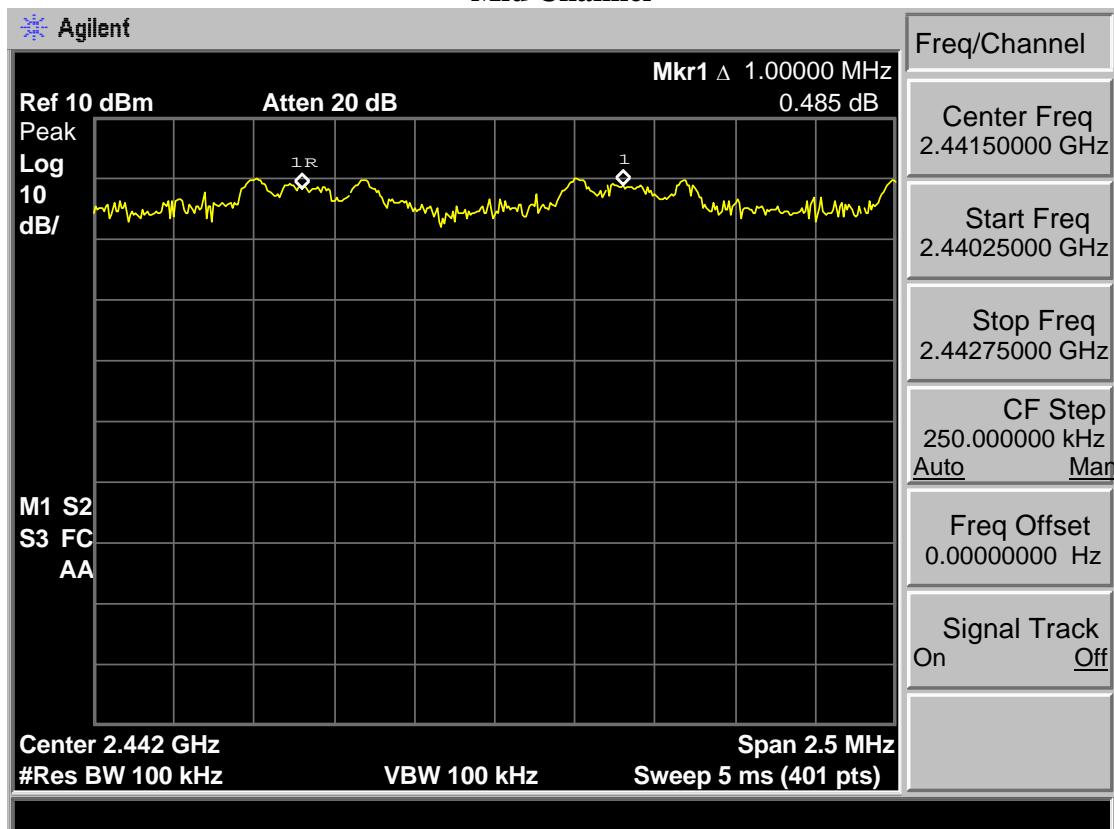


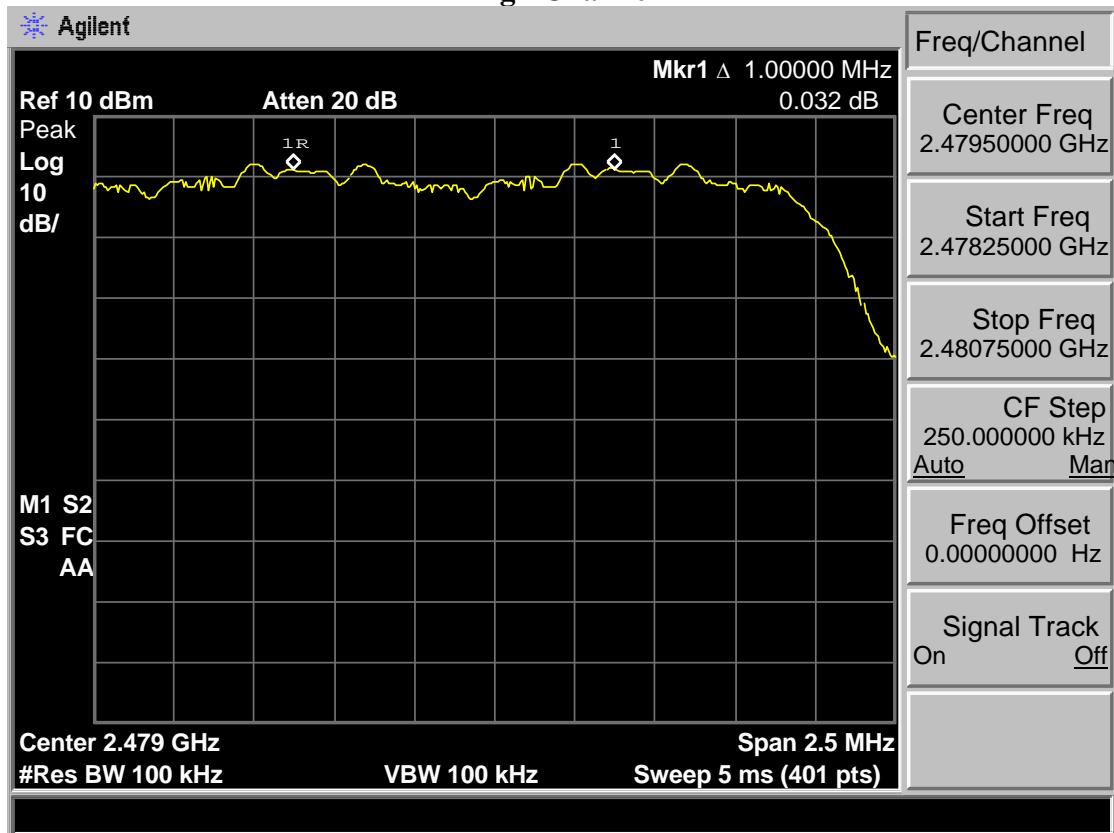
High Channel

8-DPSK Low Channel



Mid Channel



High Channel

7. NUMBER OF HOPPING CHANNEL

7.1. Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels

7.2. Test Procedure

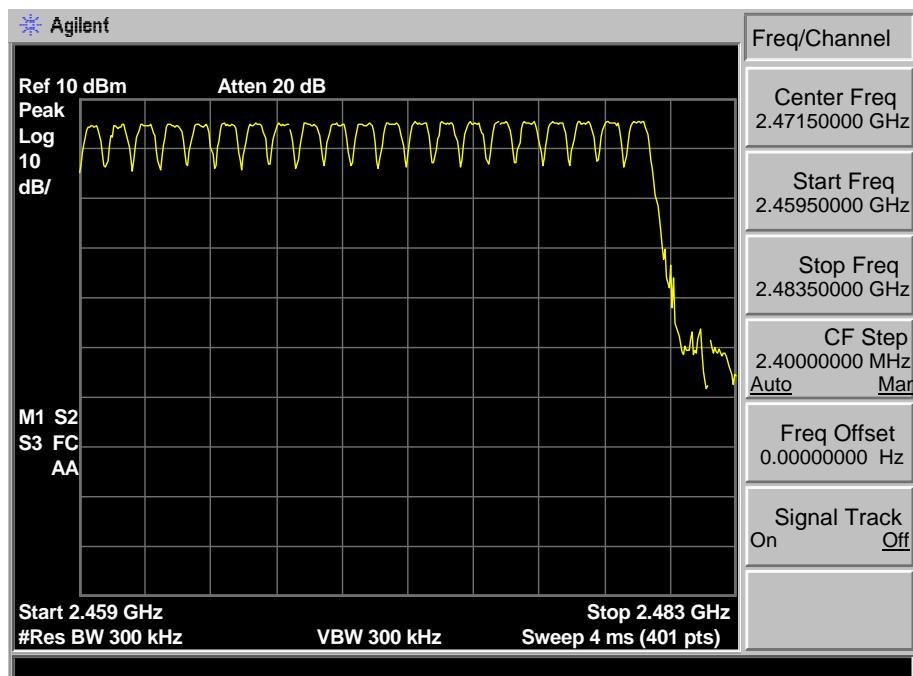
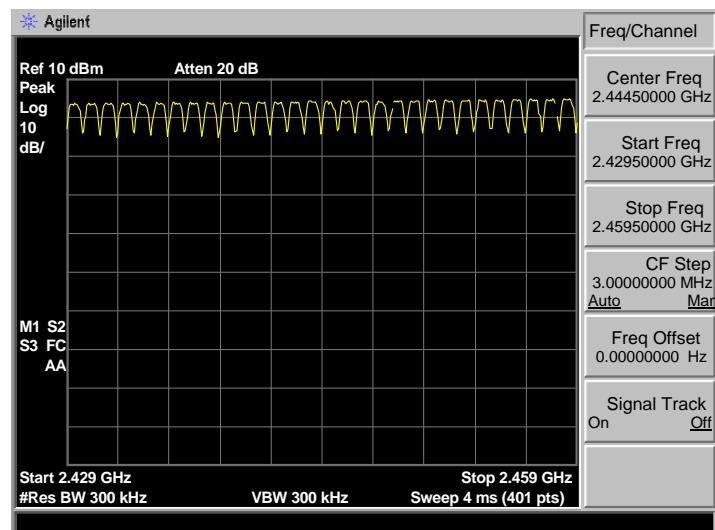
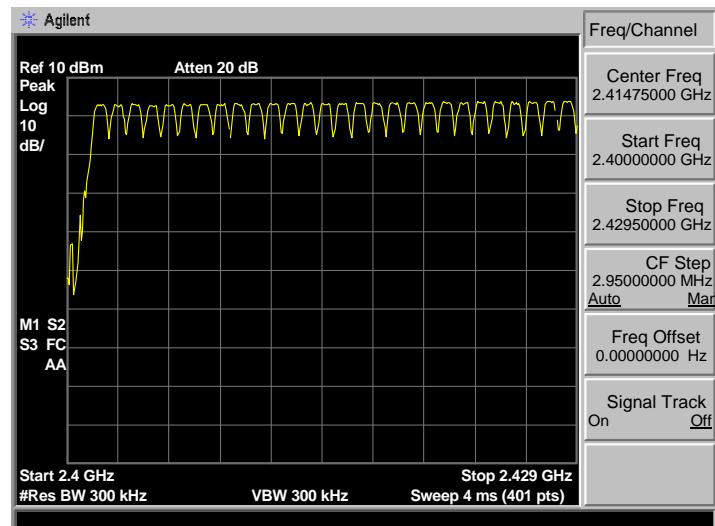
The transmitter output (antenna port) was connected to the spectrum analyzer. Connect EUT antenna terminal to the spectrum analyzer with a low loss SMA cable. The number of hopping channel was measured by spectrum analyzer with 300kHz RBW and 300kHz VBW.

7.3. Test Result

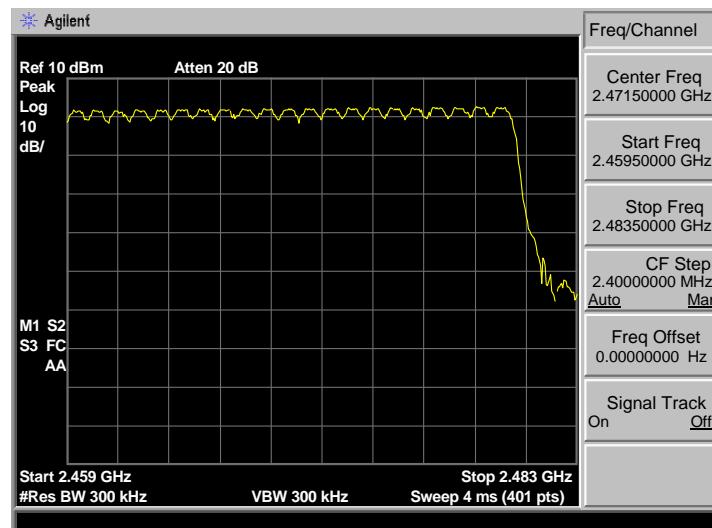
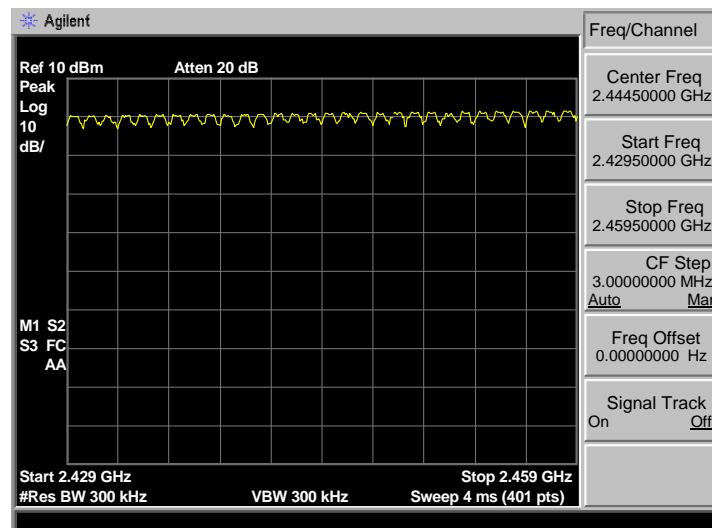
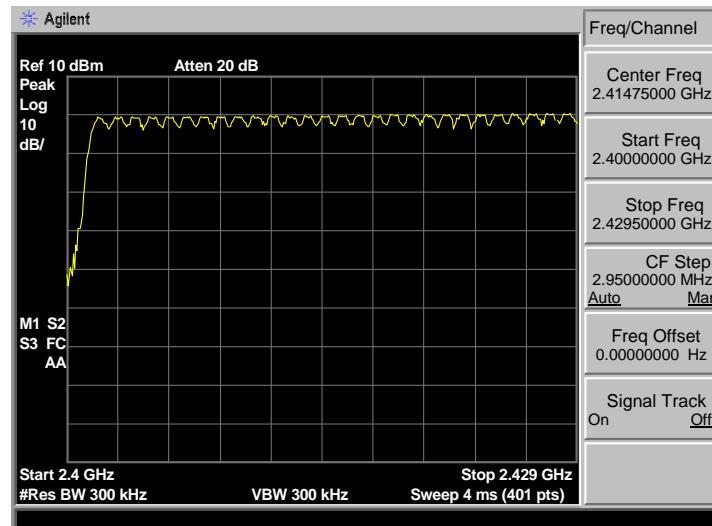
EUT: CD player M/N: DN-700CB			
Test date: 2018-09-14		Test site: RF site	Tested by: Tony
Mode	Number of hopping channel	Limit	Conclusion
GFSK	79	>15	PASS
8-DPSK	79	>15	PASS

7.4. Test Data

GFSK



8-DPSK



8. DWELL TIME

8.1. Limit

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

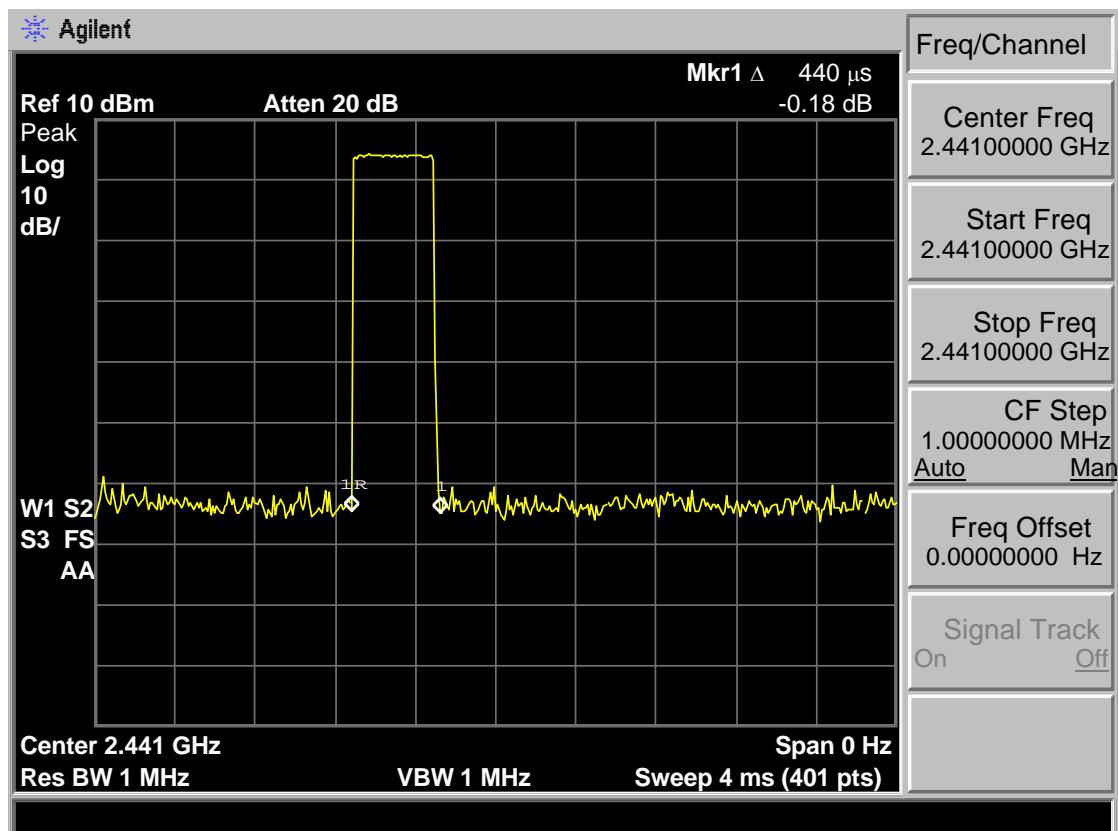
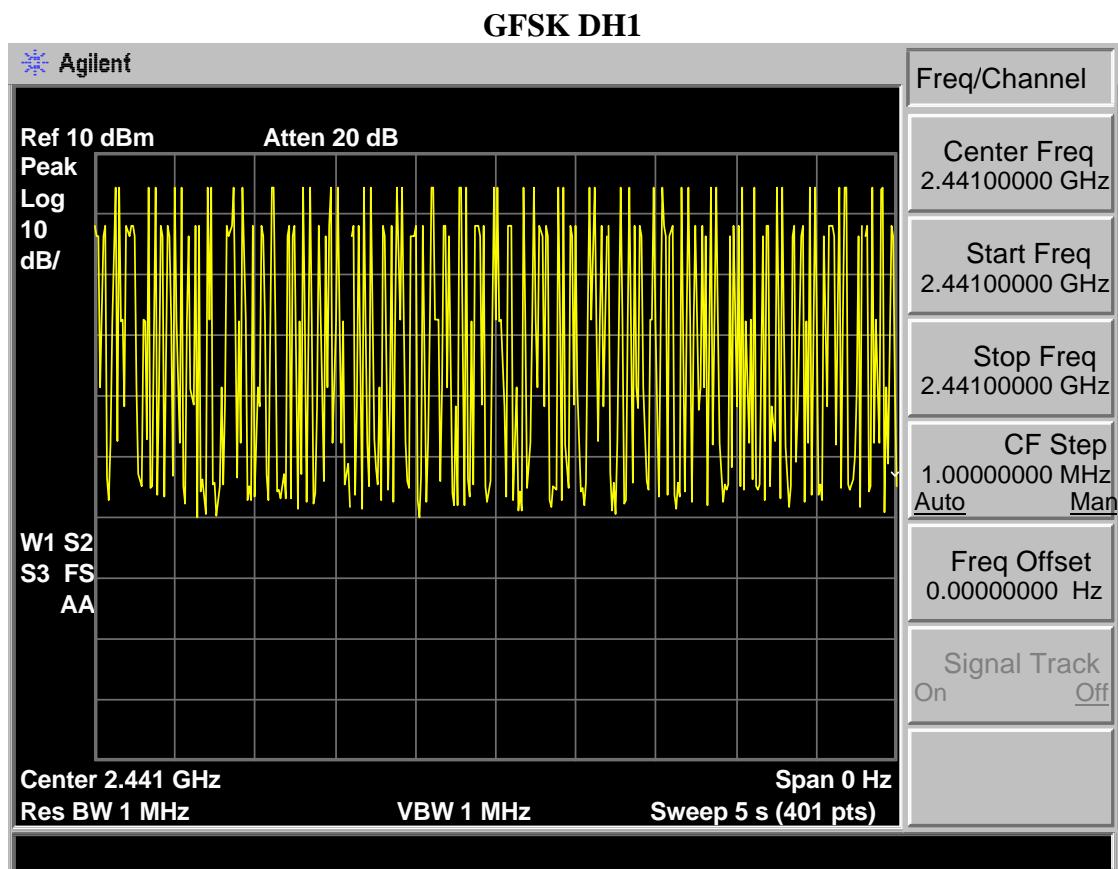
8.2. Test procedure

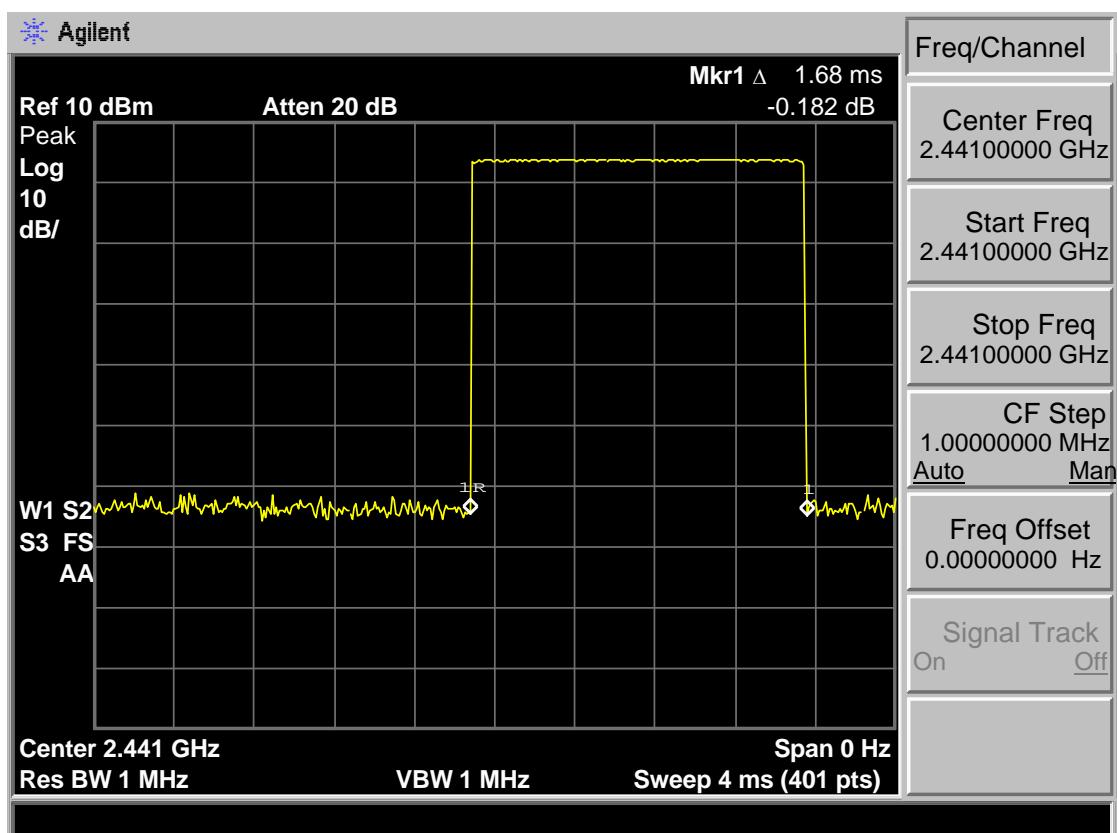
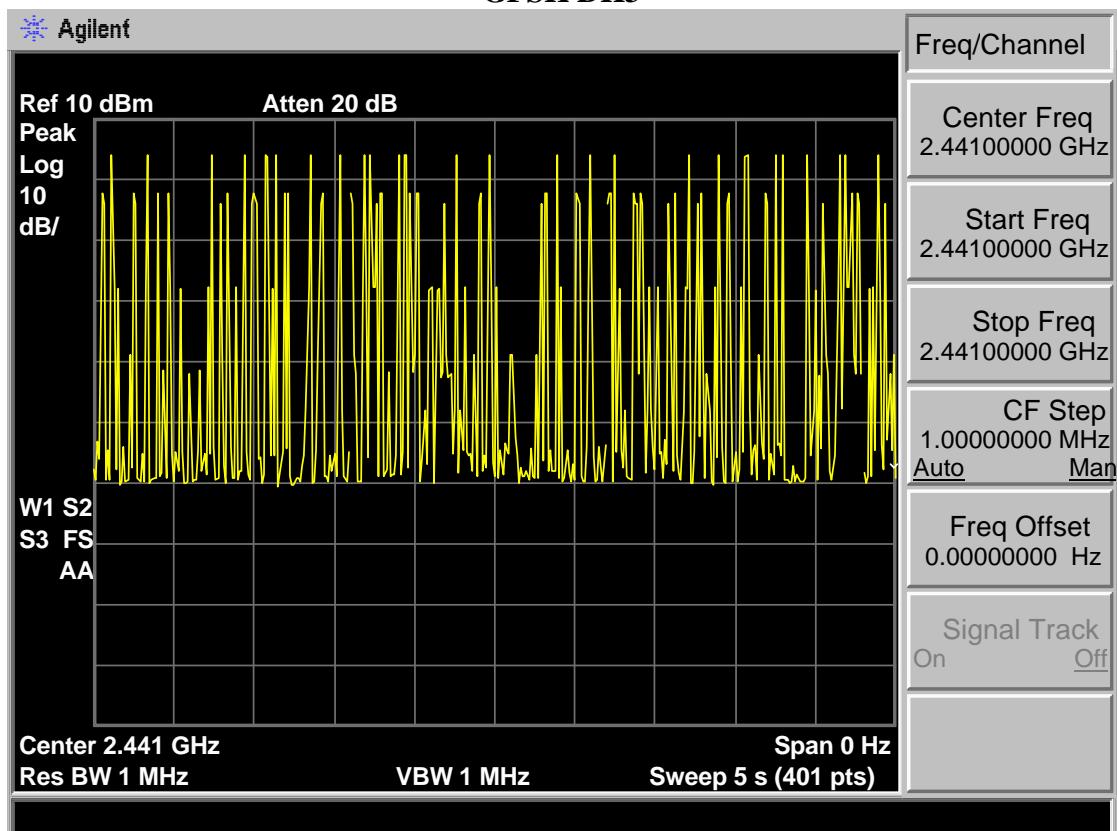
1. The transmitter output (antenna port) was connected to the spectrum analyzer. Connect EUT antenna terminal to the spectrum analyzer with a low loss SMA cable.
2. Set the EUT to proper test mode with relative test software and hardware.
3. Spectrum analyzer setting: Centered Frequency = measured channel, RBW = 1MHz, VBW= 1MHz, Frequency Span = 0 Hz.
4. Set sweep time properly to capture the entire dwell time per hopping channel.
5. Set detector type to Peak and trace mode to Max Hold and make the measurement.
6. Repeat step 3-5 until all channels measured were complete.

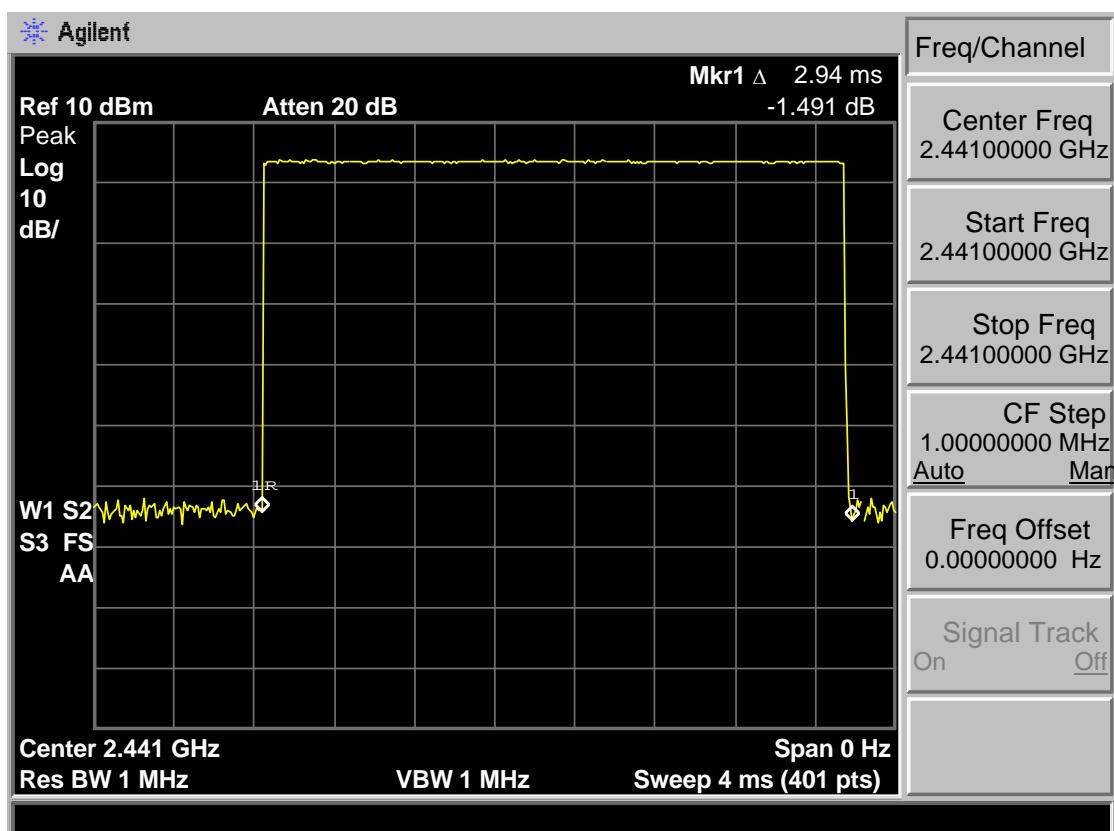
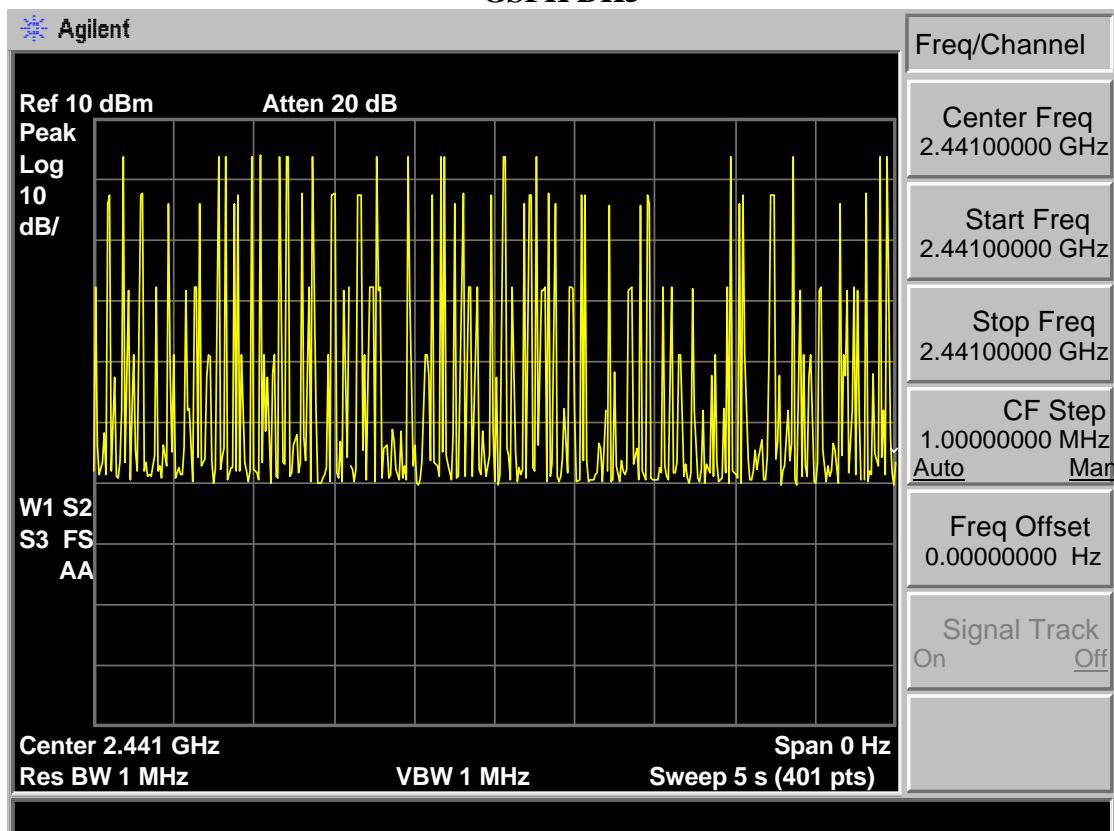
8.3. Test Result

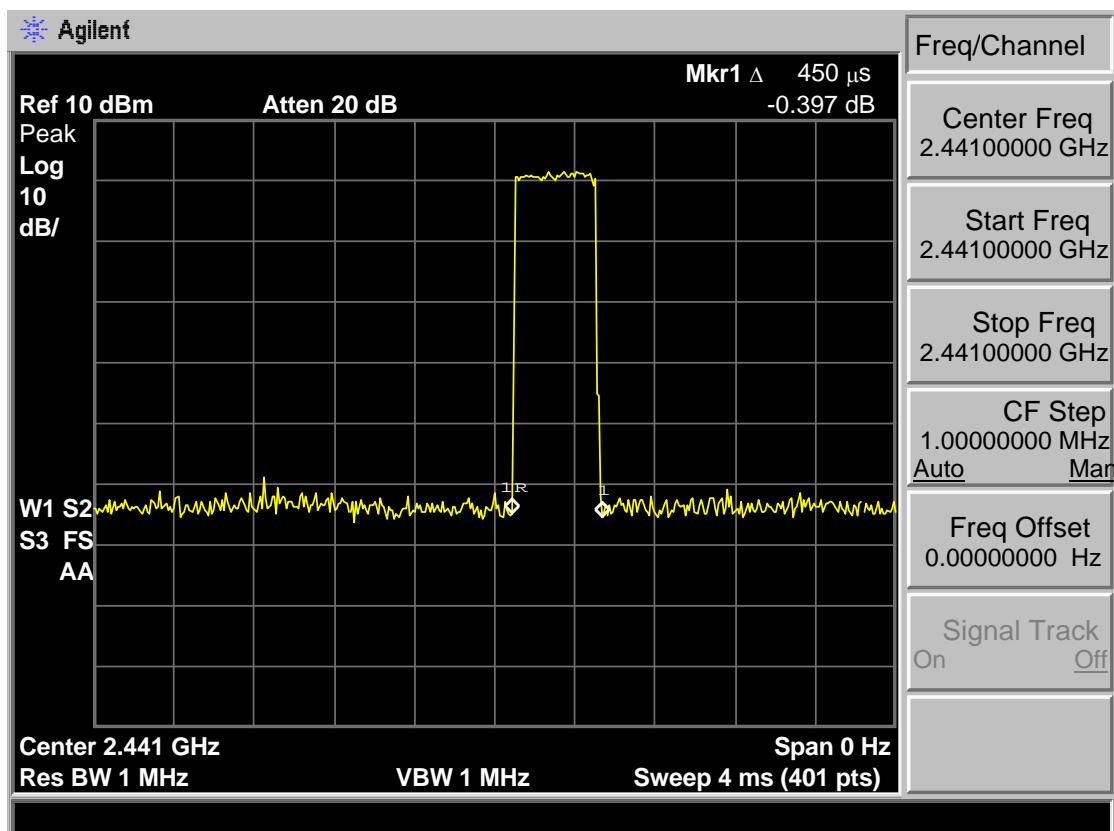
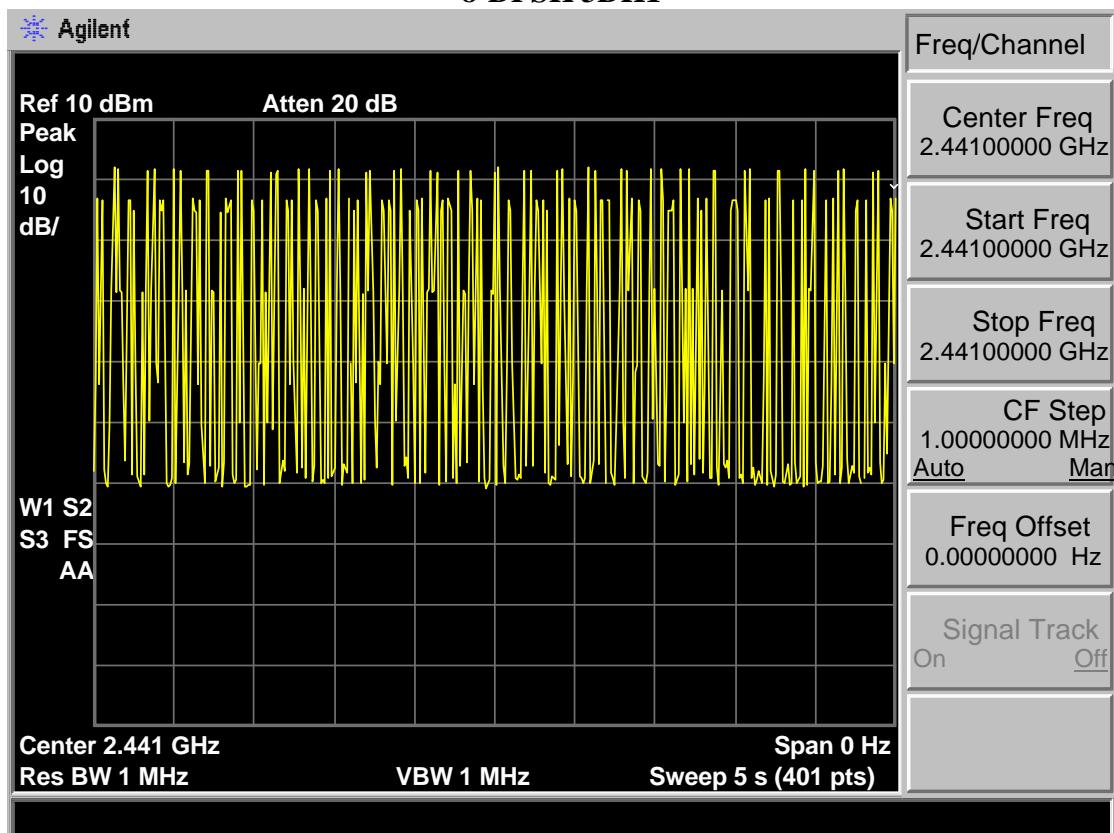
EUT: CD player M/N: DN-700CB						
Test date: 2018-9-14		Test site: RF site		Tested by: Tony		
Mode	Hopping number	Measure time (s)	Burst on time (ms)	Dwell time (ms)	Limit	Conclusion
GFSK DH1	48	5	0.44	133.48	<400ms	PASS
GFSK DH3	26	5	1.68	276.06	<400ms	PASS
GFSK DH5	18	5	2.94	334.45	<400ms	PASS
8-DPSK 3DH1	49	5	0.45	139.36	<400ms	PASS
8-DPSK 3DH3	26	5	1.70	279.34	<400ms	PASS
8-DPSK 3DH5	17	5	2.94	315.87	<400ms	PASS
Dwell time = Hopping number/measure time *0.4*79*burst on time.						

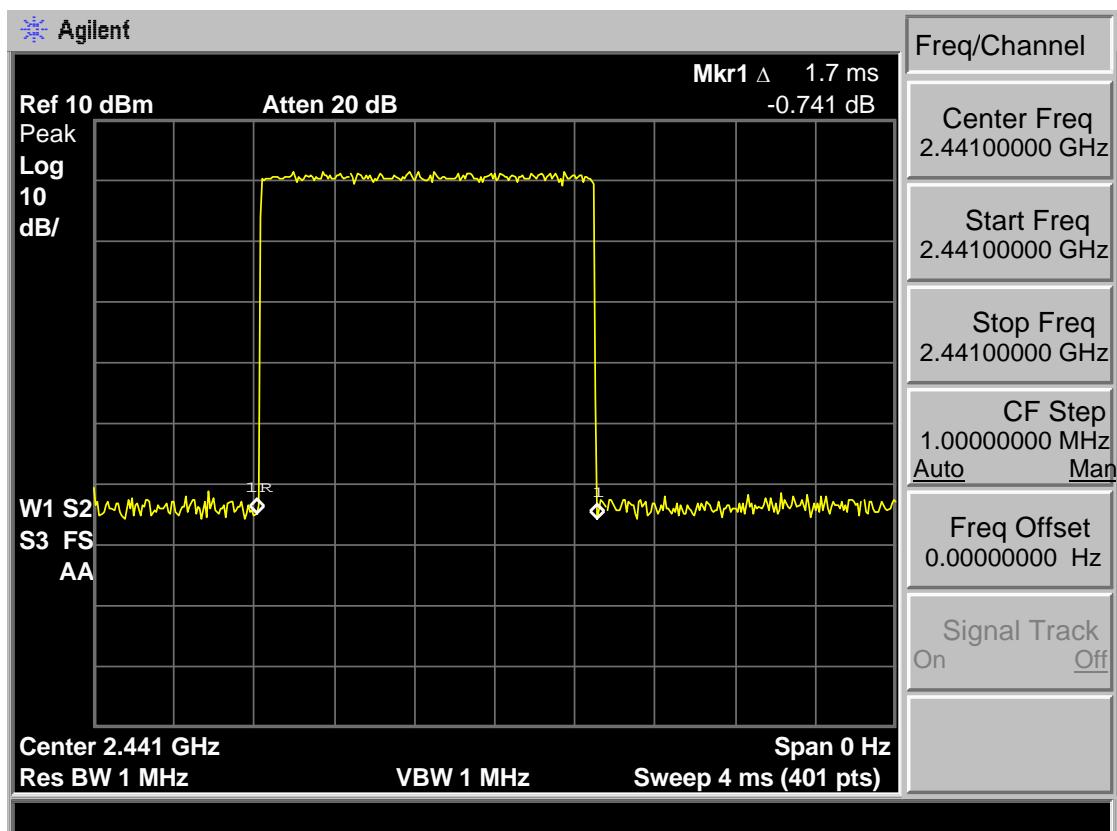
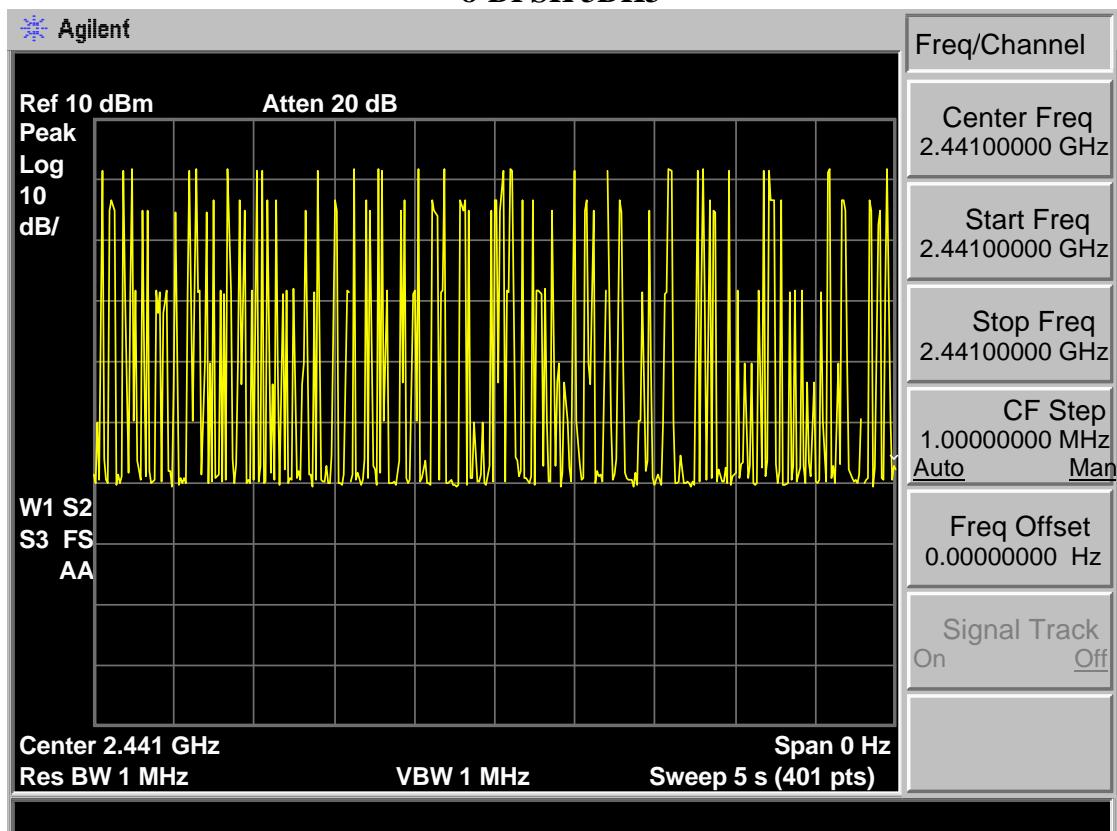
8.4. Test Data

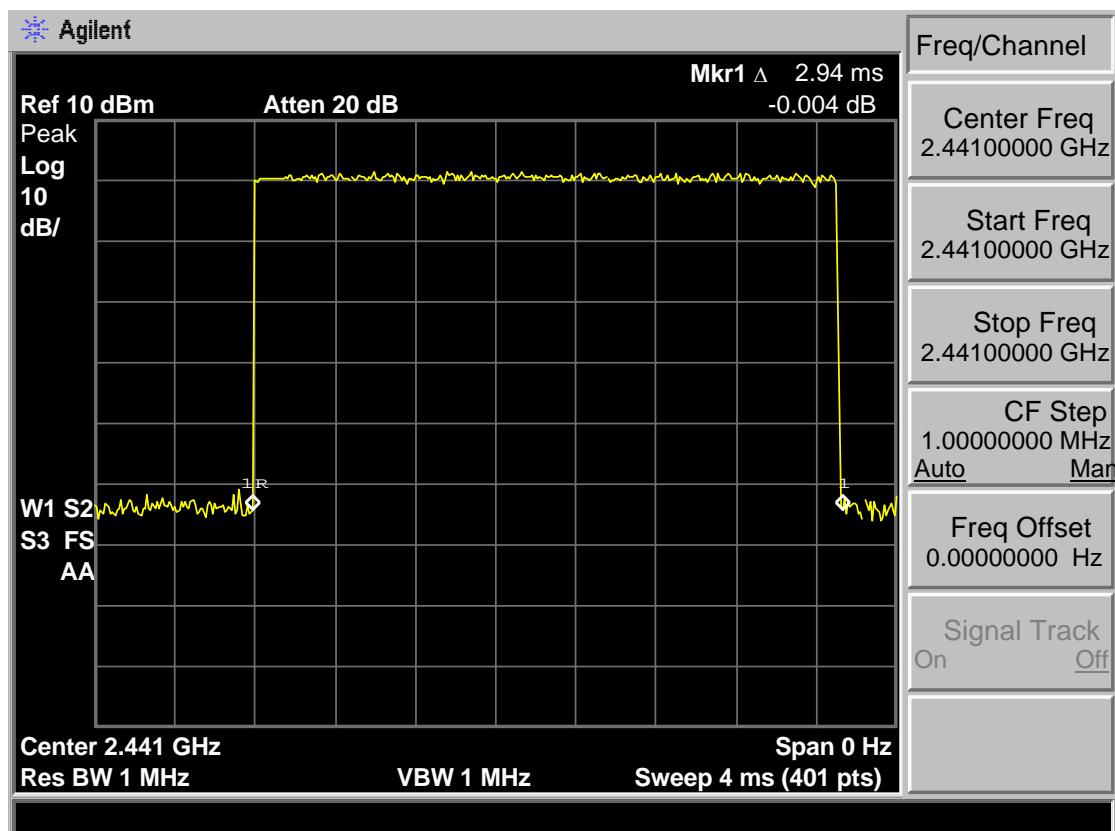
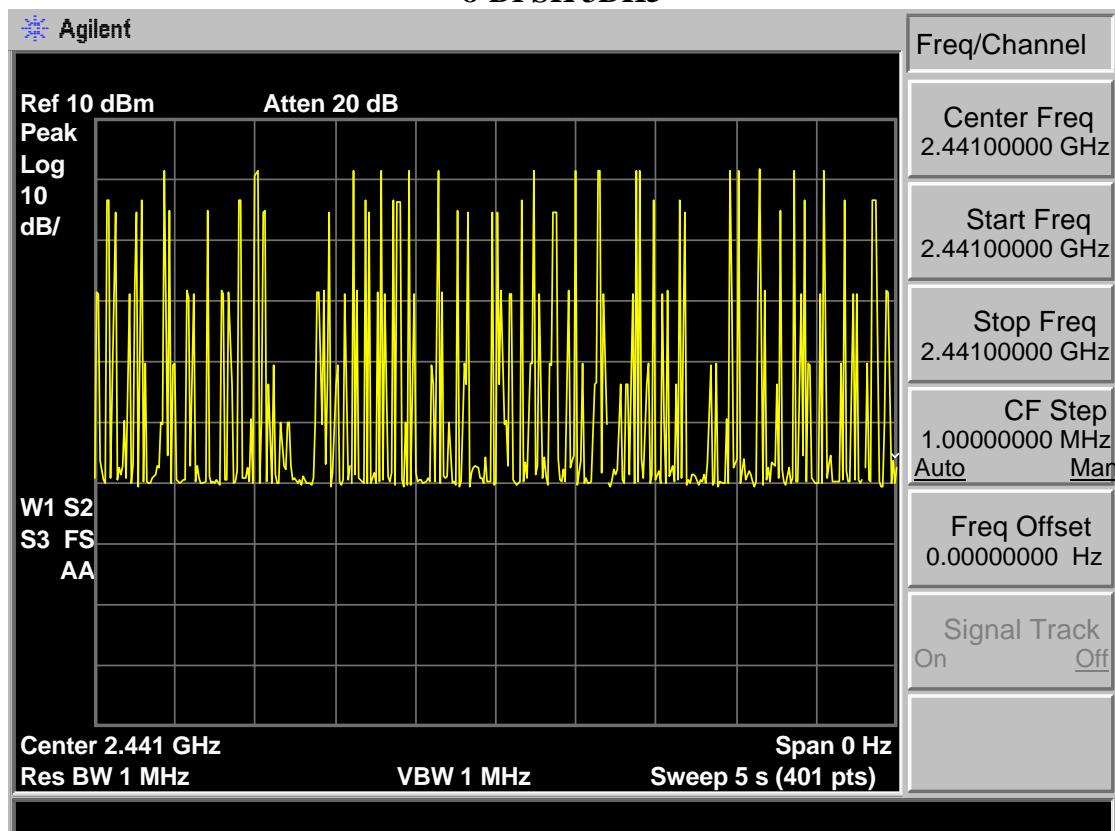


GFSK DH3

GSFK DH5

8-DPSK 3DH1

8-DPSK 3DH3

8-DPSK 3DH5

9. RADIATED EMISSIONS

9.1. Limit

9.1.1 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 μ V = 20 log Emission level μ 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.

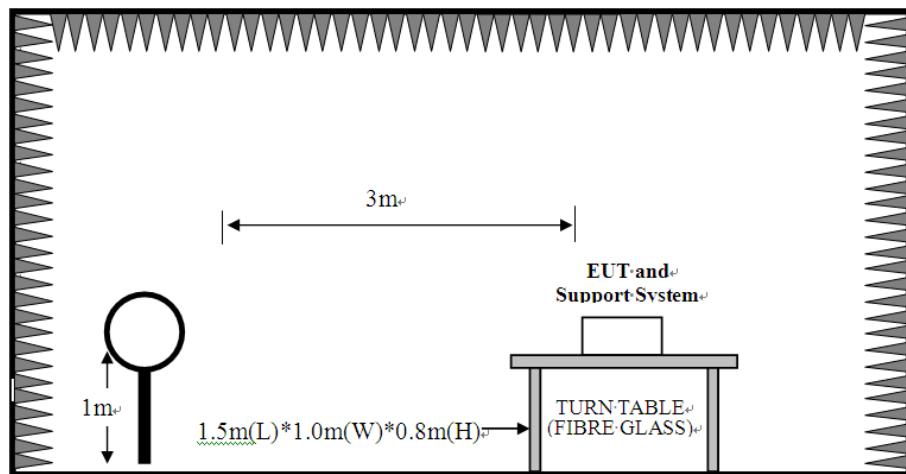
9.1.2 15.205 Restricted bands of operation

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)

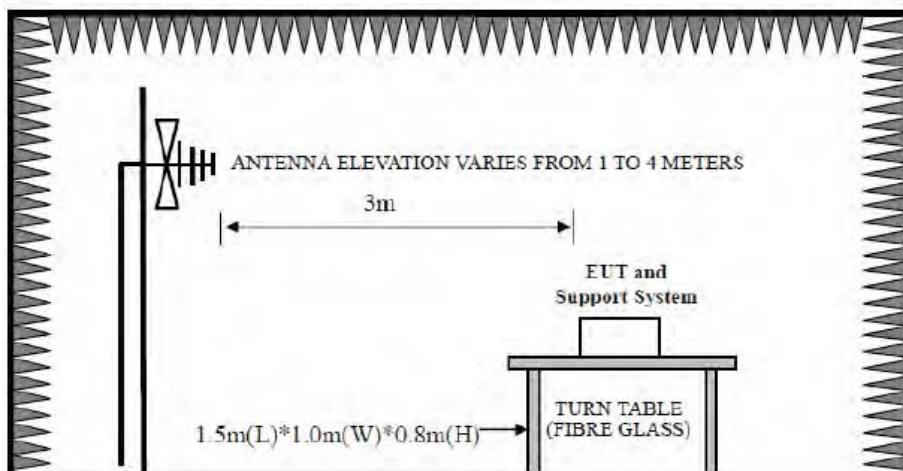
All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

9.2. Block Diagram of Test setup

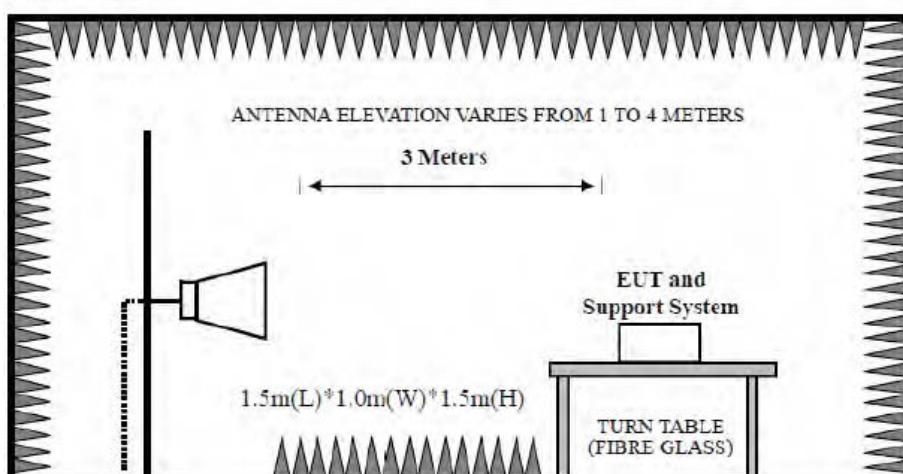
9kHz~30MHz



30~1000MHz



Above 1GHz



9.3. Test Procedure

EUT was placed on a turn table, which is 0.8 meter high above ground for 9kHz~1000MHz test, and which 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.

9.4. Test Result

Pass

- 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, 2441MHz and 2480MHz 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.

9.5. Test Data

9 kHz – 30 MHz

Pass

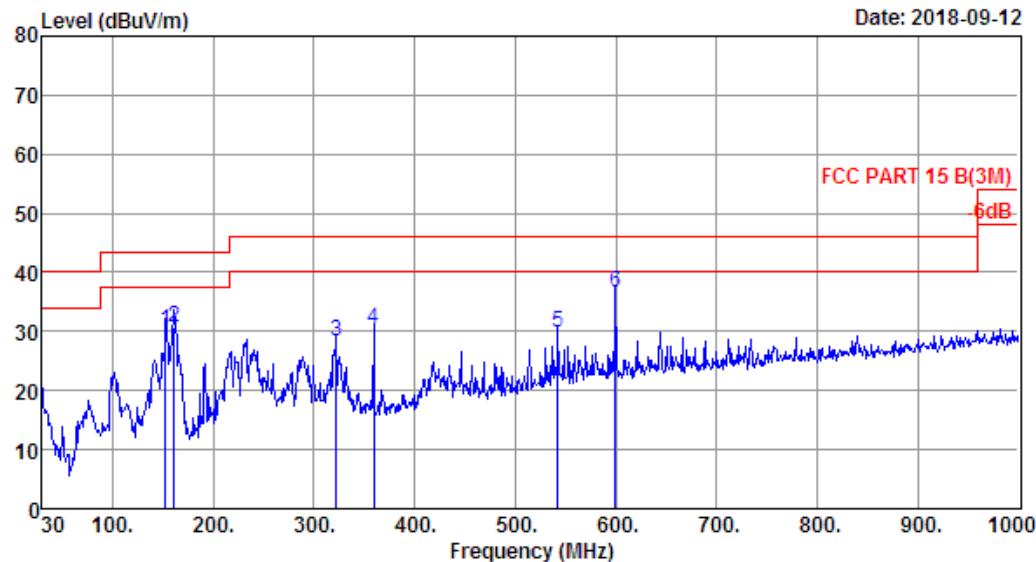
Note: The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

30 MHz – 1000 MHz

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Data: 235 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (250)



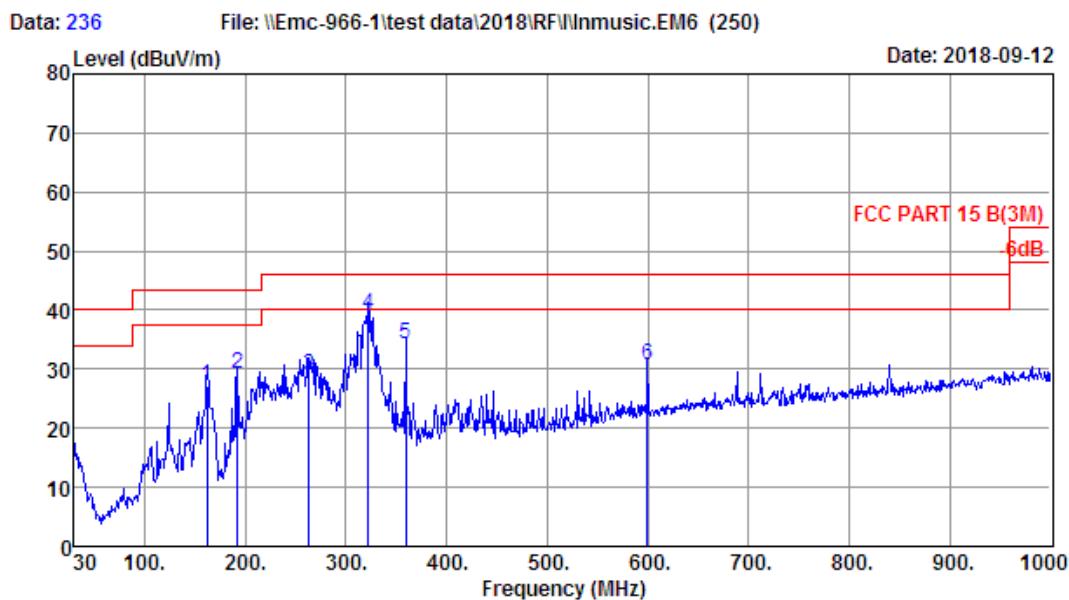
Site no. : 1# 966 Chamber Data no. : 235
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.2';Humi:53%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : TX Mode
 Antenna:AN13-04

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 152.22	11.56	1.32	17.20	30.08	43.50	13.42	QP
2 160.95	11.02	1.36	18.21	30.59	43.50	12.91	QP
3 321.97	14.24	2.13	12.12	28.49	46.00	17.51	QP
4 359.80	15.20	2.37	12.77	30.34	46.00	15.66	QP
5 542.16	19.04	3.01	7.69	29.74	46.00	16.26	QP
6 599.39	20.17	3.19	13.15	36.51	46.00	9.49	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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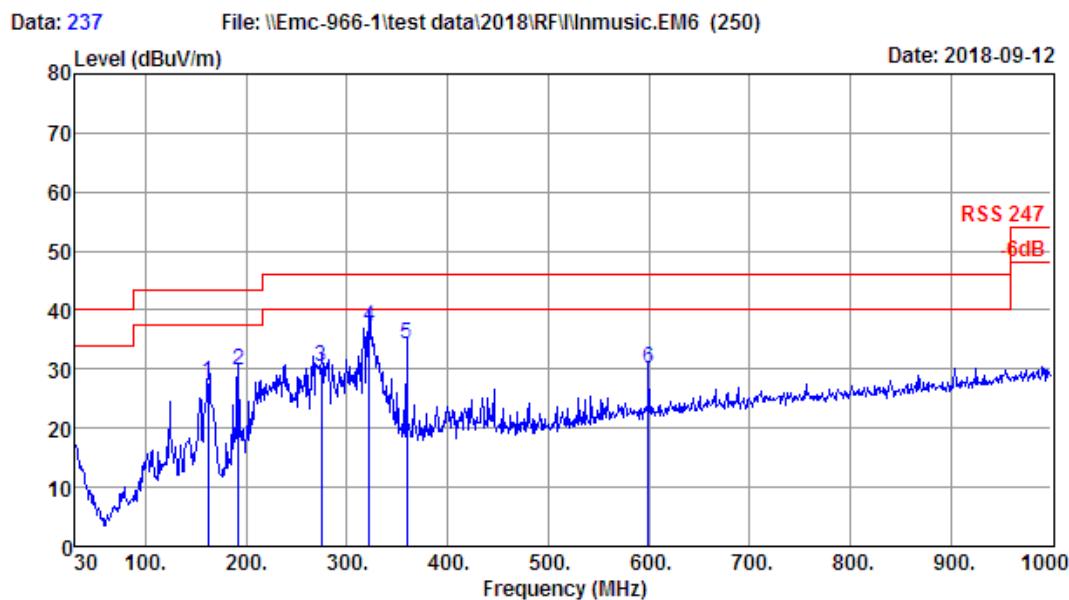
Site no. : 1# 966 Chamber Data no. : 236
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.2';Humi:53%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : TX Mode
 Antenna:AN13-04

	ANT	Cable	Emission				
Freq.	Factor	Loss	Reading	Level	Limit	Margin	Remark
(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	161.92	10.84	1.37	15.06	27.27	16.23	QP
2	191.99	8.52	1.45	19.35	29.32	14.18	QP
3	263.77	13.48	1.91	13.57	28.96	17.04	QP
4	321.97	14.24	2.13	22.87	39.24	6.76	QP
5	359.80	15.20	2.37	16.66	34.23	11.77	QP
6	599.39	20.17	3.19	7.25	30.61	15.39	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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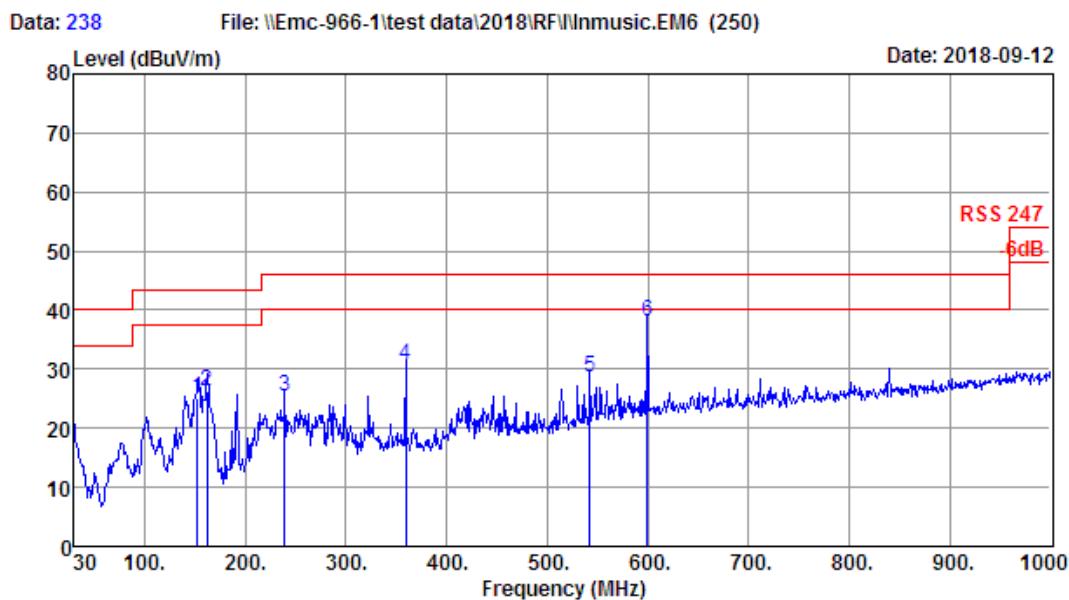
Site no.	:	1# 966 Chamber	Data no.	:	237
Dis. / Ant.	:	3m 37062	Ant. pol.	:	HORIZONTAL
Limit	:	RSS 247			
Env. / Ins.	:	Temp:23.2';Humi:53%;Press:101.52kPa			
Engineer	:	Viking			
EUT	:	CD player			
Power	:	AC 120V/60Hz			
M/N	:	DN-700CB			
Test Mode	:	RX Mode			
Antenna:AN13-04					

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	161.92	10.84	1.37	15.56	27.77	43.50	15.73	QP
2	191.99	8.52	1.45	19.90	29.87	43.50	13.63	QP
3	274.44	12.77	1.95	15.69	30.41	46.00	15.59	QP
4	321.97	14.24	2.13	20.82	37.19	46.00	8.81	QP
5	359.80	15.20	2.37	16.55	34.12	46.00	11.88	QP
6	599.39	20.17	3.19	6.69	30.05	46.00	15.95	QP

Remarks: 1. Emission Level = Antenna Factor + Cable Loss + Reading.
 2. Margin = Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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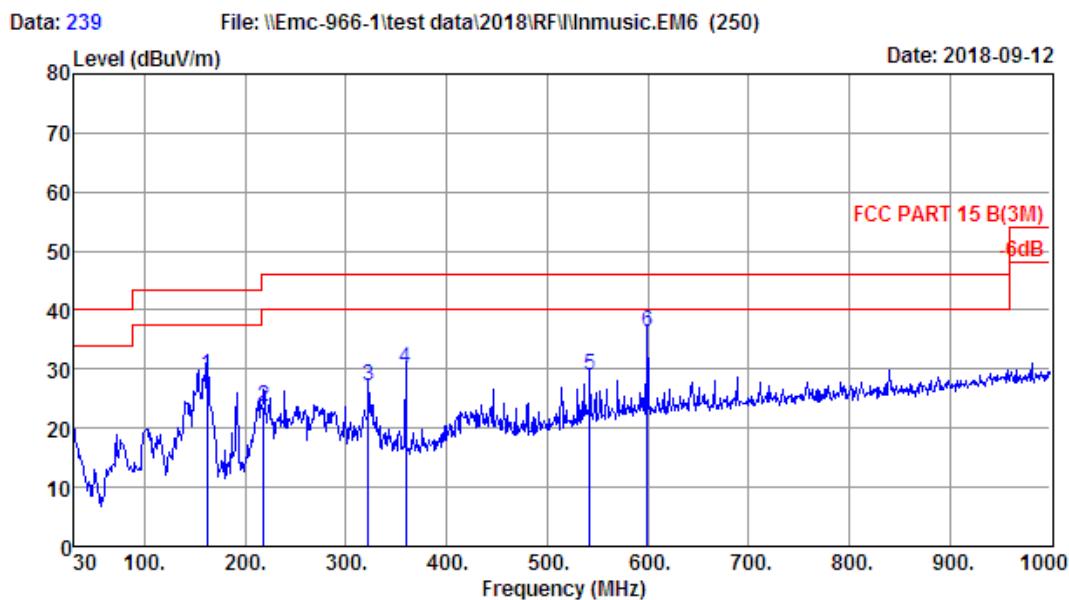
Site no. : 1# 966 Chamber Data no. : 238
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : RSS 247
 Env. / Ins. : Temp:23.2';Humi:53%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : RX Mode
 Antenna:AN13-04

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	152.22	11.56	1.32	12.29	25.17	43.50	18.33	QP
2	161.92	10.84	1.37	14.01	26.22	43.50	17.28	QP
3	239.52	11.00	1.78	12.62	25.40	46.00	20.60	QP
4	359.80	15.20	2.37	13.13	30.70	46.00	15.30	QP
5	542.16	19.04	3.01	6.58	28.63	46.00	17.37	QP
6	599.39	20.17	3.19	14.74	38.10	46.00	7.90	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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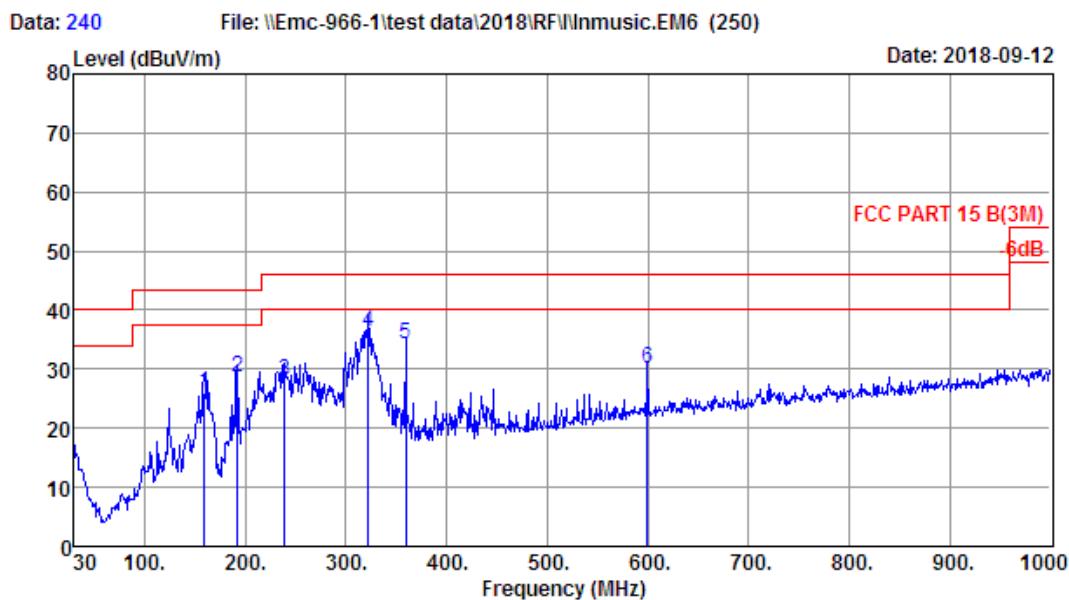
Site no. : 1# 966 Chamber Data no. : 239
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.2';Humi:53%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : TX Mode
 Antenna:TQC-2400-1.8DXBNC

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	161.92	10.84	1.37	16.83	29.04	43.50	14.46	QP
2	218.18	9.52	1.62	12.45	23.59	46.00	22.41	QP
3	321.97	14.24	2.13	10.74	27.11	46.00	18.89	QP
4	359.80	15.20	2.37	12.62	30.19	46.00	15.81	QP
5	542.16	19.04	3.01	6.81	28.86	46.00	17.14	QP
6	599.39	20.17	3.19	13.01	36.37	46.00	9.63	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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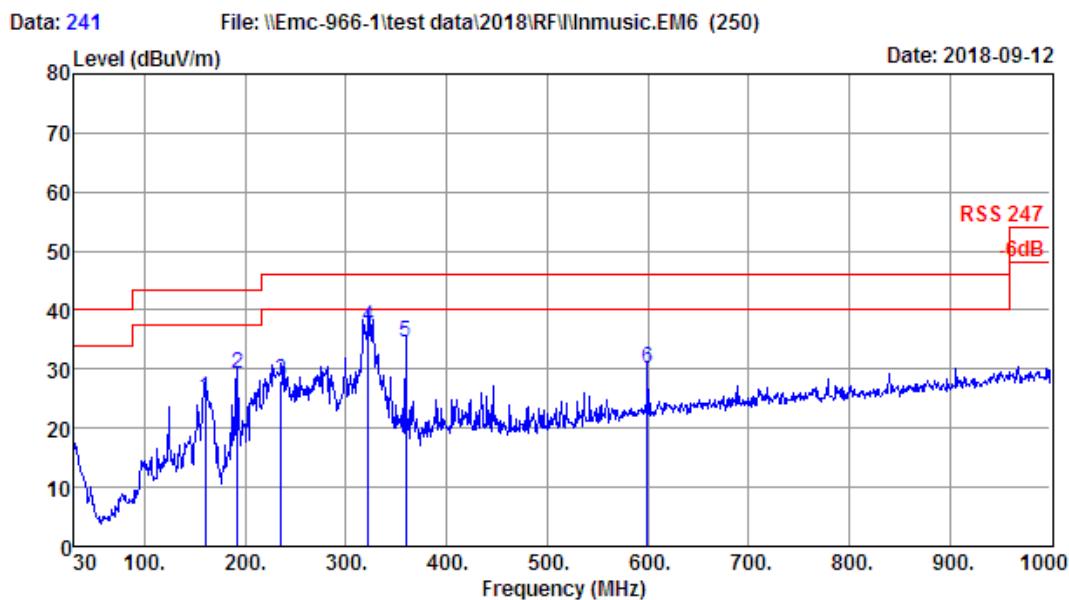
Site no. : 1# 966 Chamber Data no. : 240
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.2';Humi:53%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : TX Mode
 Antenna:TQC-2400-1.8DXBNC

	ANT	Cable	Emission				
Freq.	Factor	Loss	Reading	Level	Limit	Margin	Remark
(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	159.01	11.26	1.36	13.41	26.03	43.50	17.47 QP
2	191.99	8.52	1.45	18.68	28.65	43.50	14.85 QP
3	239.52	11.00	1.78	15.30	28.08	46.00	17.92 QP
4	321.97	14.24	2.13	19.99	36.36	46.00	9.64 QP
5	359.80	15.20	2.37	16.79	34.36	46.00	11.64 QP
6	599.39	20.17	3.19	6.82	30.18	46.00	15.82 QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 241
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : RSS 247
 Env. / Ins. : Temp:23.2';Humi:53%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : RX Mode
 Antenna:TQC-2400-1.8DXBNC

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	159.98	11.20	1.36	12.56	25.12	43.50	18.38	QP
2	191.99	8.52	1.45	19.32	29.29	43.50	14.21	QP
3	235.64	10.68	1.75	15.53	27.96	46.00	18.04	QP
4	321.97	14.24	2.13	20.73	37.10	46.00	8.90	QP
5	359.80	15.20	2.37	16.87	34.44	46.00	11.56	QP
6	599.39	20.17	3.19	6.64	30.00	46.00	16.00	QP

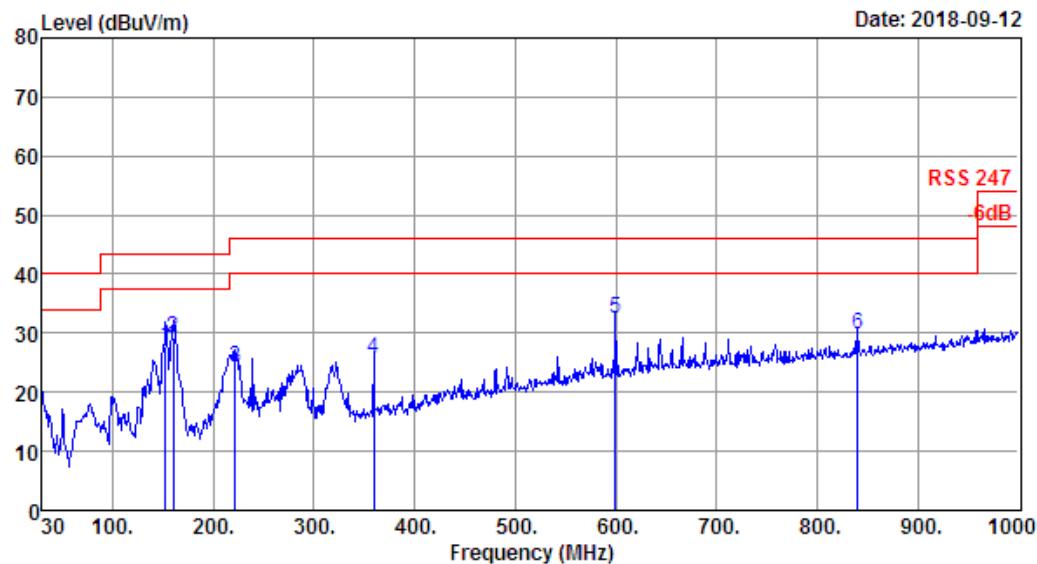
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 242 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (250)

Date: 2018-09-12



Site no.	:	1# 966 Chamber	Data no.	:	242
Dis. / Ant.	:	3m 37062	Ant. pol.	:	VERTICAL
Limit	:	RSS 247			
Env. / Ins.	:	Temp:23.2';Humi:53%;Press:101.52kPa			
Engineer	:	Viking			
EUT	:	CD player			
Power	:	AC 120V/60Hz			
M/N	:	DN-700CB			
Test Mode	:	RX Mode			
Antenna:TQC-2400-1.8DXBNC					

	Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	152.22	11.56	1.32	14.86	27.74	43.50	15.76	QP
2	159.98	11.20	1.36	16.52	29.08	43.50	14.42	QP
3	222.06	9.92	1.68	12.48	24.08	46.00	21.92	QP
4	359.80	15.20	2.37	8.18	25.75	46.00	20.25	QP
5	599.39	20.17	3.19	9.09	32.45	46.00	13.55	QP
6	839.95	23.20	3.89	2.59	29.68	46.00	16.32	QP

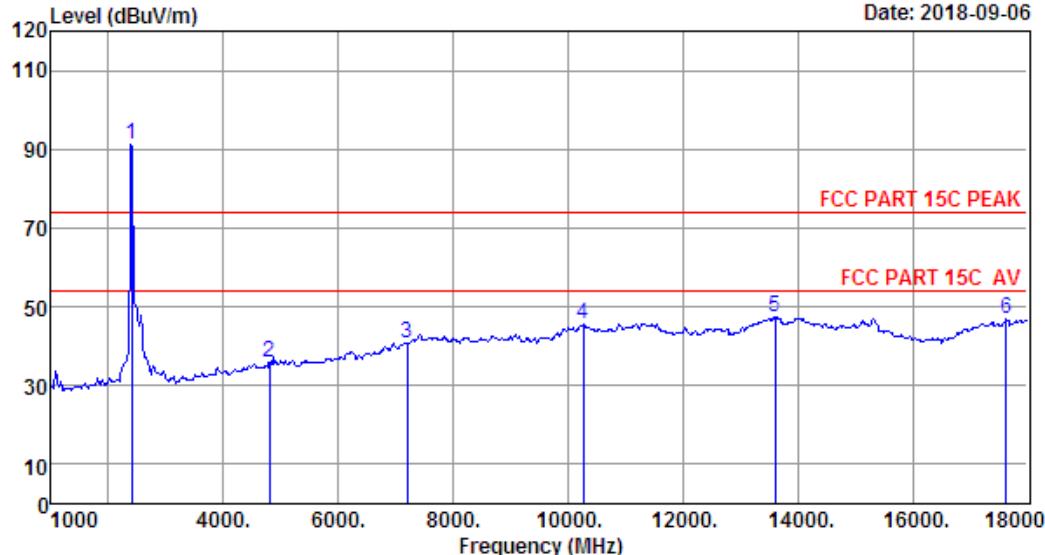
Remarks: 1. Emission Level = Antenna Factor + Cable Loss + Reading.
 2. Margin = Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

1000-18000 MHz**EST Technology**

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Data: 141 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-06



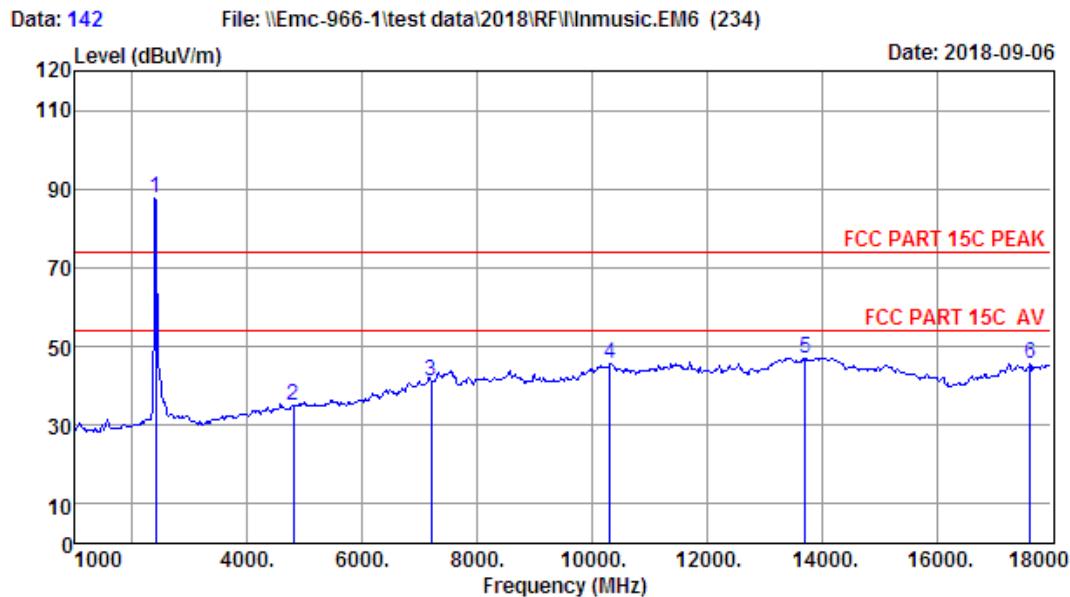
Site no. : 1# 966 Chamber Data no. : 141
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission				Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2402.00	27.35	3.21	34.94	95.72	91.34	74.00	-17.34	Peak	
2 4804.00	32.06	4.67	35.06	34.03	35.70	74.00	38.30	Peak	
3 7206.00	36.56	5.99	33.45	31.55	40.65	74.00	33.35	Peak	
4 10265.00	39.21	9.98	34.39	30.74	45.54	74.00	28.46	Peak	
5 13614.00	41.39	9.82	32.59	28.69	47.31	74.00	26.69	Peak	
6 17626.00	43.71	11.82	31.28	22.68	46.93	74.00	27.07	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 142
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2402.00	27.35	3.21	34.94	91.87	87.49	74.00	-13.49	Peak
2 4804.00	32.06	4.67	35.06	33.23	34.90	74.00	39.10	Peak
3 7206.00	36.56	5.99	33.45	32.29	41.39	74.00	32.61	Peak
4 10316.00	39.23	10.20	34.34	30.72	45.81	74.00	28.19	Peak
5 13716.00	41.47	9.96	32.66	28.38	47.15	74.00	26.85	Peak
6 17626.00	43.71	11.82	31.28	21.26	45.51	74.00	28.49	Peak

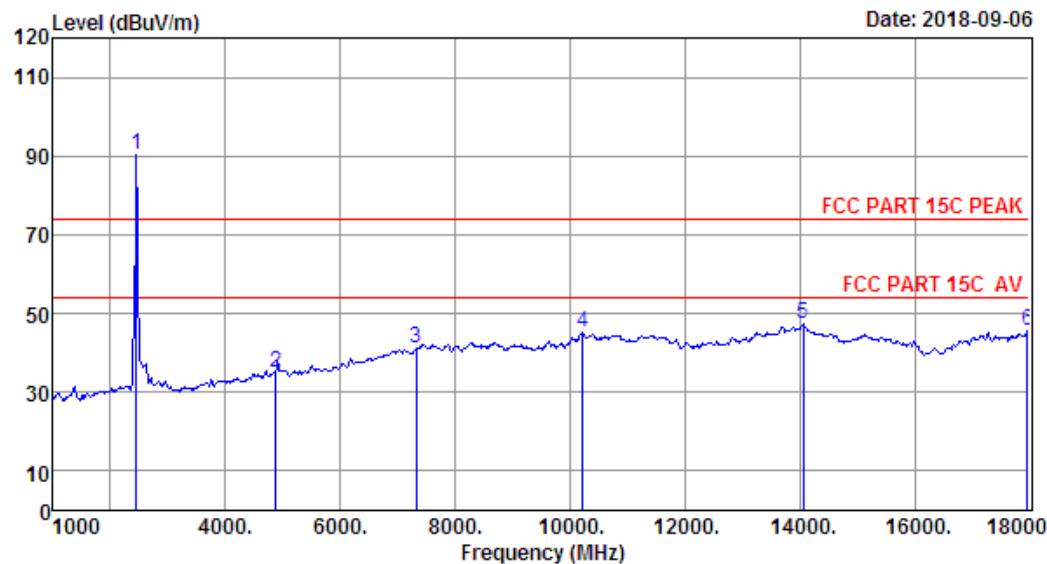
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 143 File: \\Emc-966-1\\test data\\2018\\RF\\Inmusic.EM6 (234)

Date: 2018-09-06



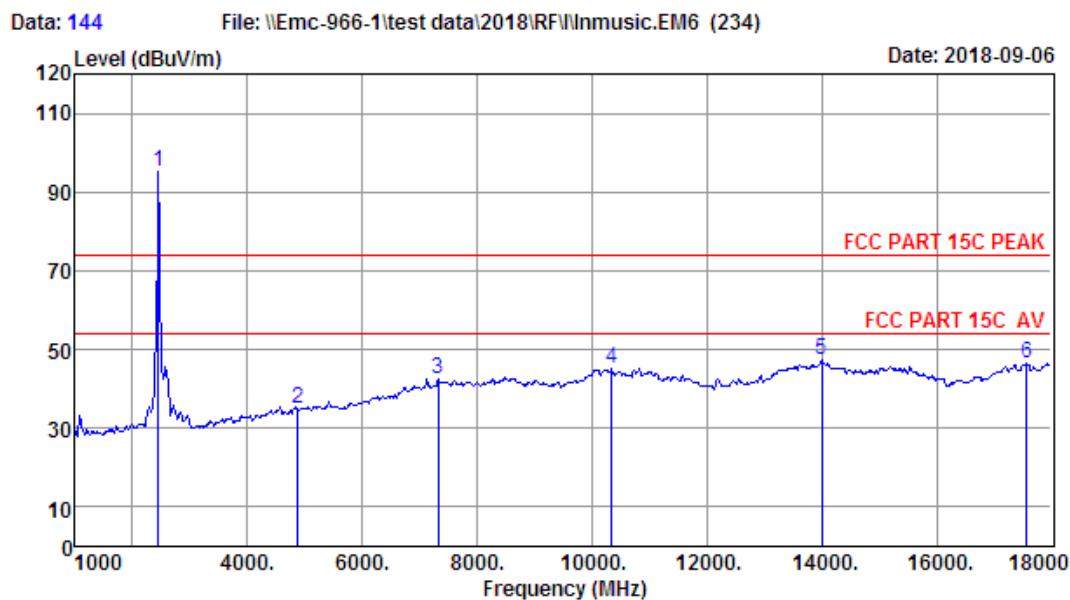
Site no. : 1# 966 Chamber Data no. : 143
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2441MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2441.00	27.48	3.26	35.07	94.65	90.32	74.00	-16.32	Peak	
2 4882.00	32.18	4.73	35.14	33.31	35.08	74.00	38.92	Peak	
3 7323.00	36.82	6.10	33.28	31.44	41.08	74.00	32.92	Peak	
4 10214.00	39.19	9.77	34.43	30.69	45.22	74.00	28.78	Peak	
5 14056.00	41.65	10.13	32.95	28.37	47.20	74.00	26.80	Peak	
6 17966.00	44.61	12.57	31.48	19.73	45.43	74.00	28.57	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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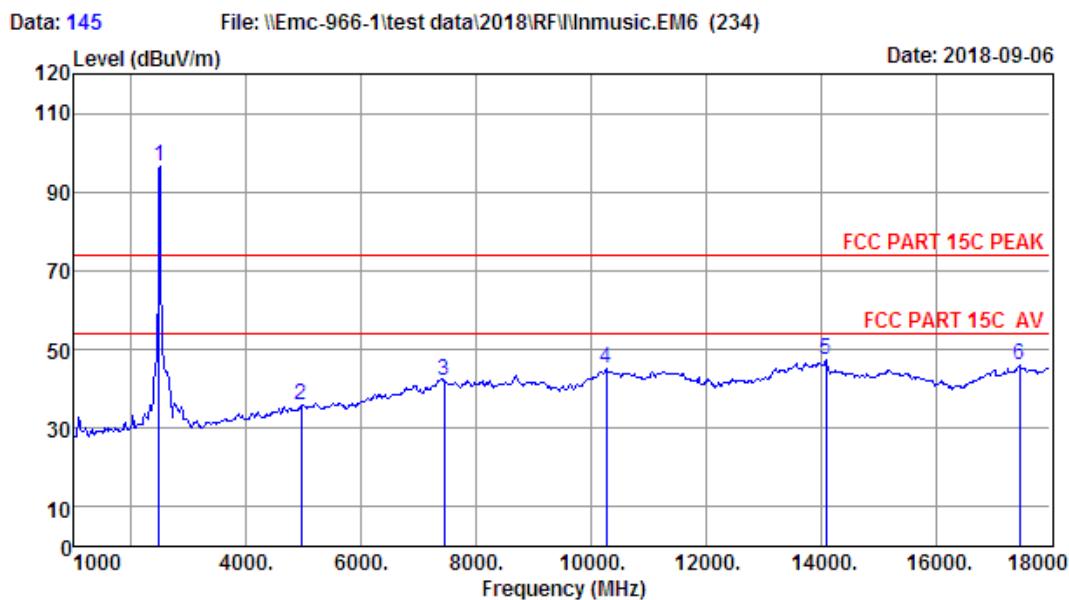
Site no. : 1# 966 Chamber Data no. : 144
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2441MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2441.00	27.48	3.26	35.07	99.63	95.30	74.00	-21.30	Peak
2 4882.00	32.18	4.73	35.14	33.03	34.80	74.00	39.20	Peak
3 7323.00	36.82	6.10	33.28	32.77	42.41	74.00	31.59	Peak
4 10350.00	39.24	10.10	34.30	30.08	45.12	74.00	28.88	Peak
5 14005.00	41.70	10.13	32.88	28.37	47.32	74.00	26.68	Peak
6 17575.00	43.58	11.71	31.27	22.48	46.50	74.00	27.50	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 145
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2480.00	27.56	3.29	35.21	101.01	96.65	74.00	-22.65	Peak
2 4960.00	32.34	4.80	35.24	33.76	35.66	74.00	38.34	Peak
3 7440.00	37.09	6.13	33.08	32.13	42.27	74.00	31.73	Peak
4 10265.00	39.21	9.98	34.39	30.38	45.18	74.00	28.82	Peak
5 14090.00	41.61	10.14	32.99	28.42	47.18	74.00	26.82	Peak
6 17456.00	43.21	11.44	31.05	22.45	46.05	74.00	27.95	Peak

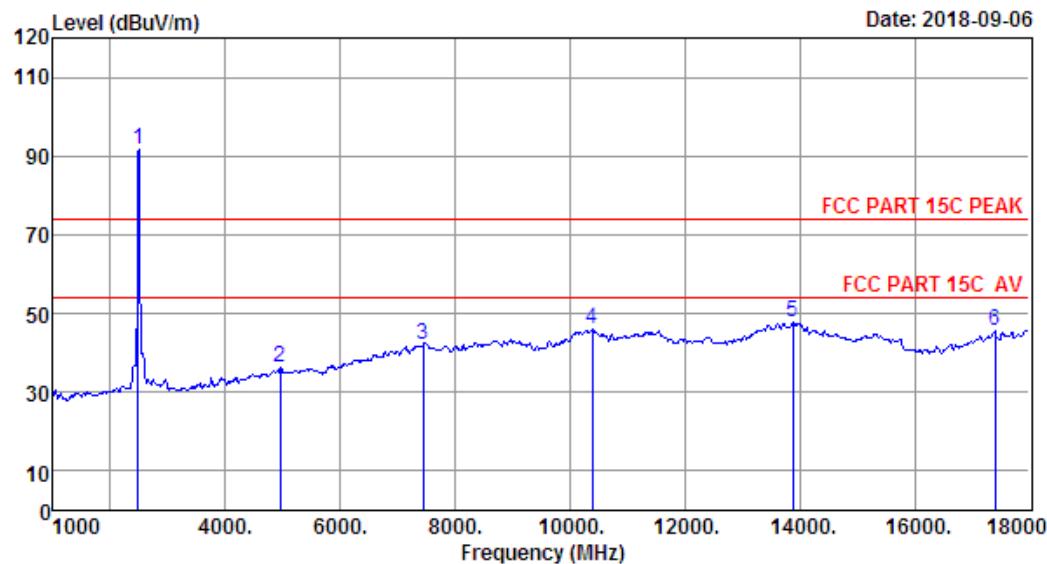
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 146 File: \\Emc-966-1\\test data\\2018\\RF\\Inmusic.EM6 (234)

Date: 2018-09-06



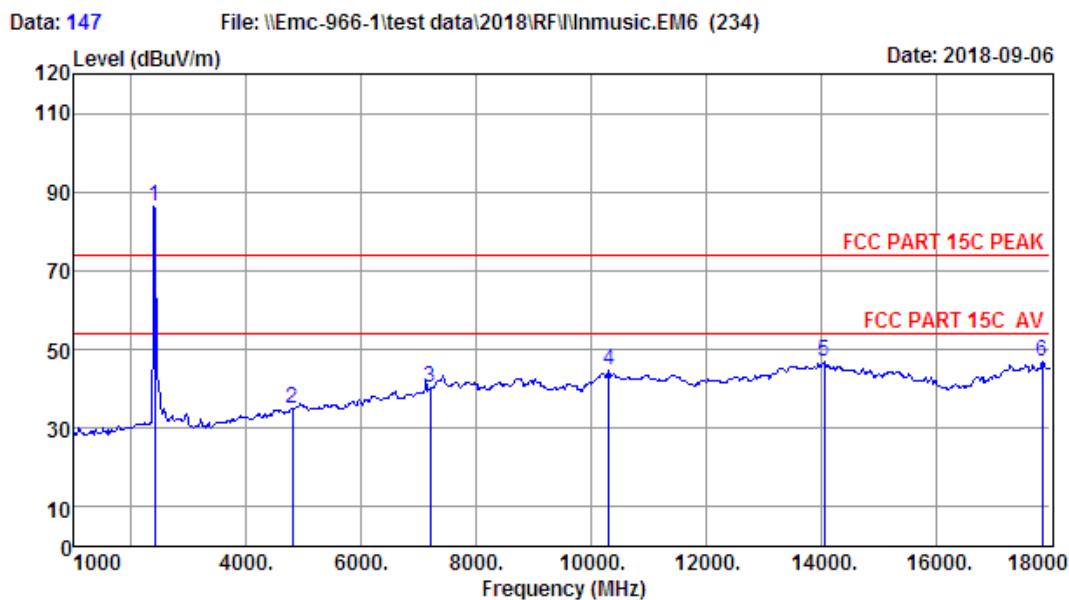
Site no. : 1# 966 Chamber Data no. : 146
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2480.00	27.56	3.29	35.21	95.88	91.52	74.00	-17.52	Peak	
2 4960.00	32.34	4.80	35.24	34.21	36.11	74.00	37.89	Peak	
3 7440.00	37.09	6.13	33.08	31.93	42.07	74.00	31.93	Peak	
4 10384.00	39.25	10.00	34.26	31.21	46.20	74.00	27.80	Peak	
5 13886.00	41.61	10.11	32.80	28.74	47.66	74.00	26.34	Peak	
6 17405.00	43.02	11.33	30.96	22.39	45.78	74.00	28.22	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 147
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2402.00	27.35	3.21	34.94	90.59	86.21	74.00	-12.21	Peak	
2 4804.00	32.06	4.67	35.06	33.29	34.96	74.00	39.04	Peak	
3 7206.00	36.56	5.99	33.45	31.04	40.14	74.00	33.86	Peak	
4 10316.00	39.23	10.20	34.34	29.67	44.76	74.00	29.24	Peak	
5 14056.00	41.65	10.13	32.95	28.20	47.03	74.00	26.97	Peak	
6 17864.00	44.34	12.34	31.29	21.45	46.84	74.00	27.16	Peak	

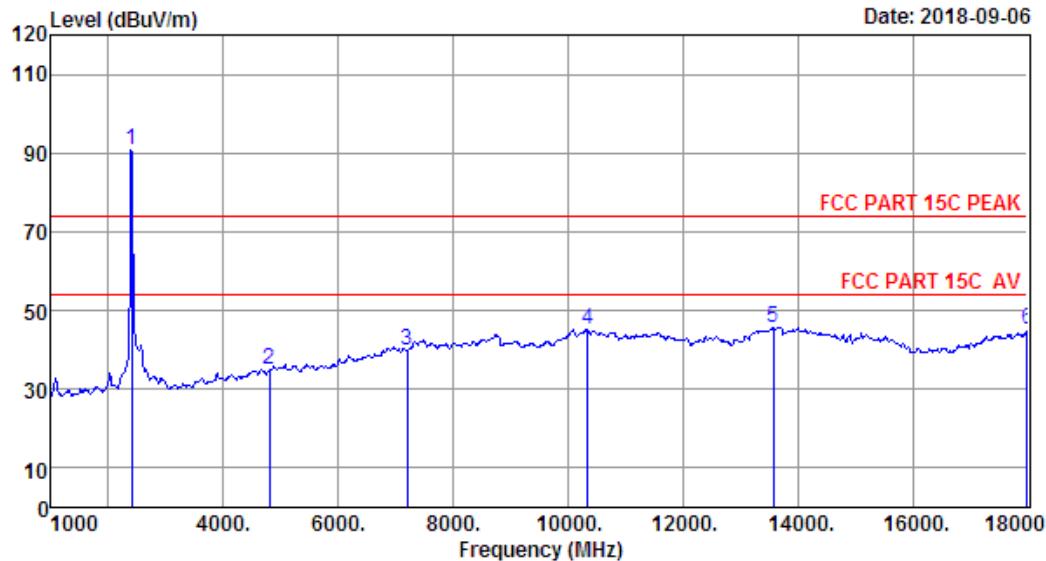
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 148 File: \\Emc-966-1\\test data\\2018\\RF\\Inmusic.EM6 (234)

Date: 2018-09-06



Site no. : 1# 966 Chamber Data no. : 148
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2402.00	27.35	3.21	34.94	95.20	90.82	74.00	-16.82	Peak
2 4804.00	32.06	4.67	35.06	33.13	34.80	74.00	39.20	Peak
3 7206.00	36.56	5.99	33.45	30.77	39.87	74.00	34.13	Peak
4 10350.00	39.24	10.10	34.30	30.03	45.07	74.00	28.93	Peak
5 13580.00	41.37	9.78	32.57	27.21	45.79	74.00	28.21	Peak
6 18000.00	44.70	12.64	31.56	19.17	44.95	74.00	29.05	Peak

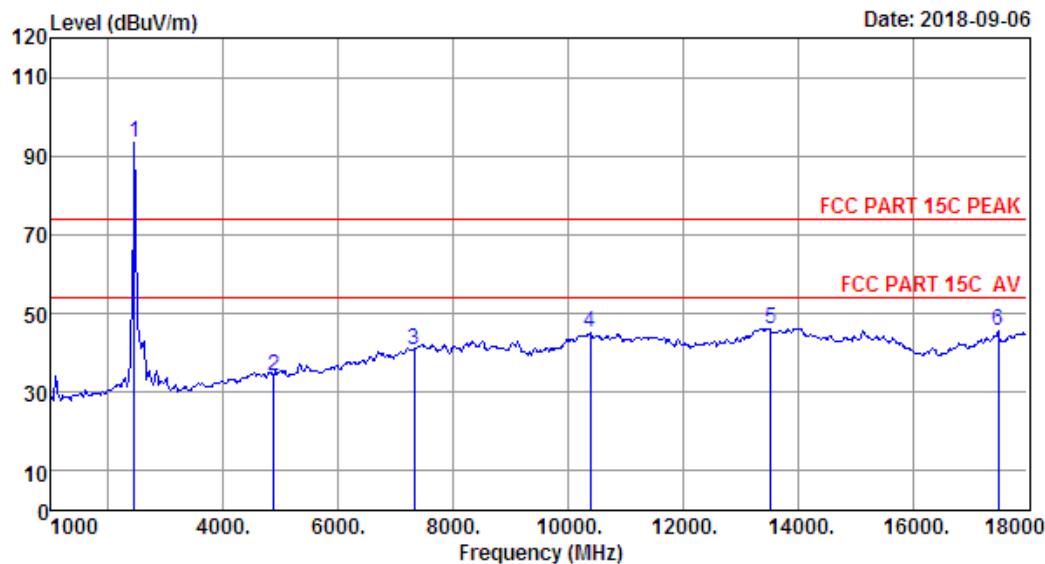
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 149 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-06



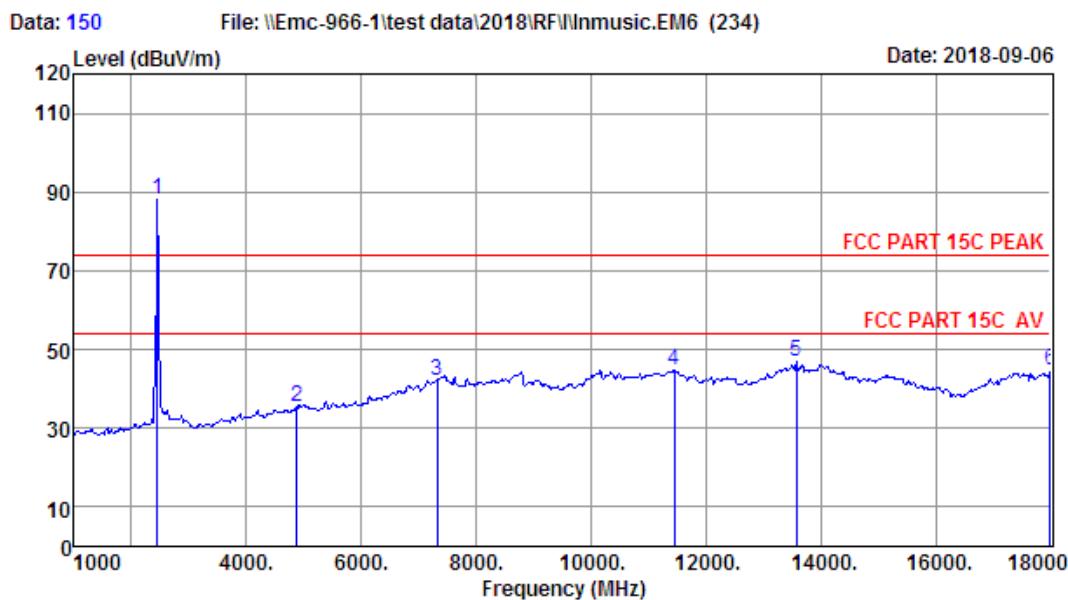
Site no. : 1# 966 Chamber Data no. : 149
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2441MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2441.00	27.48	3.26	35.07	97.73	93.40	74.00	-19.40	Peak
2 4882.00	32.18	4.73	35.14	32.26	34.03	74.00	39.97	Peak
3 7323.00	36.82	6.10	33.28	31.28	40.92	74.00	33.08	Peak
4 10384.00	39.25	10.00	34.26	29.96	44.95	74.00	29.05	Peak
5 13529.00	41.33	9.71	32.55	27.70	46.19	74.00	27.81	Peak
6 17490.00	43.34	11.52	31.11	21.86	45.61	74.00	28.39	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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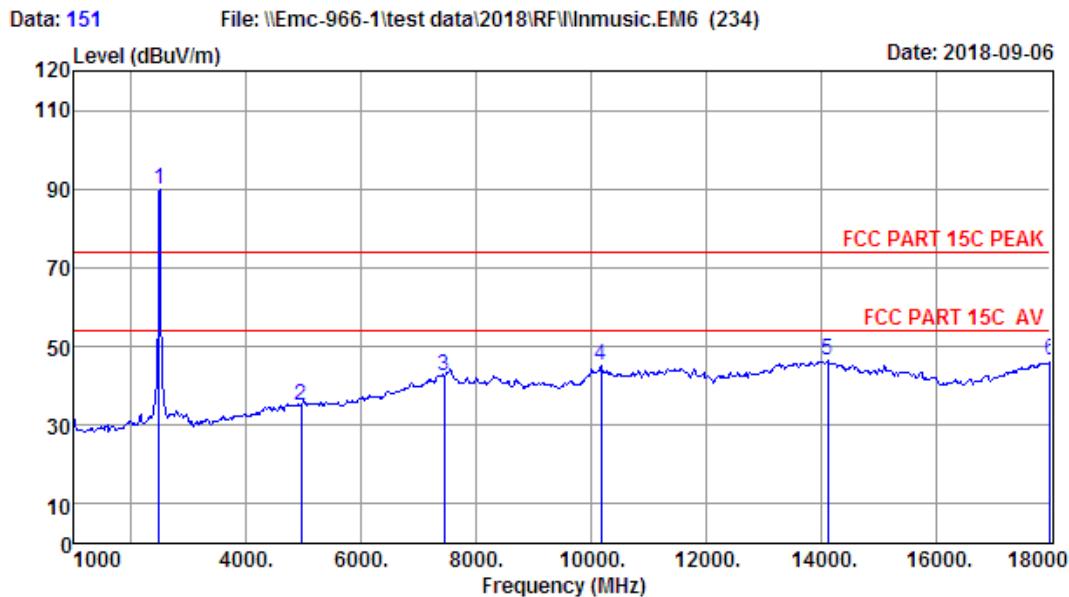
Site no. : 1# 966 Chamber Data no. : 150
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2441MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2441.00	27.48	3.26	35.07	92.61	88.28	74.00	-14.28	Peak
2 4882.00	32.18	4.73	35.14	33.66	35.43	74.00	38.57	Peak
3 7323.00	36.82	6.10	33.28	32.57	42.21	74.00	31.79	Peak
4 11455.00	40.08	8.28	32.62	28.92	44.66	74.00	29.34	Peak
5 13580.00	41.37	9.78	32.57	28.20	46.78	74.00	27.22	Peak
6 18000.00	44.70	12.64	31.56	19.03	44.81	74.00	29.19	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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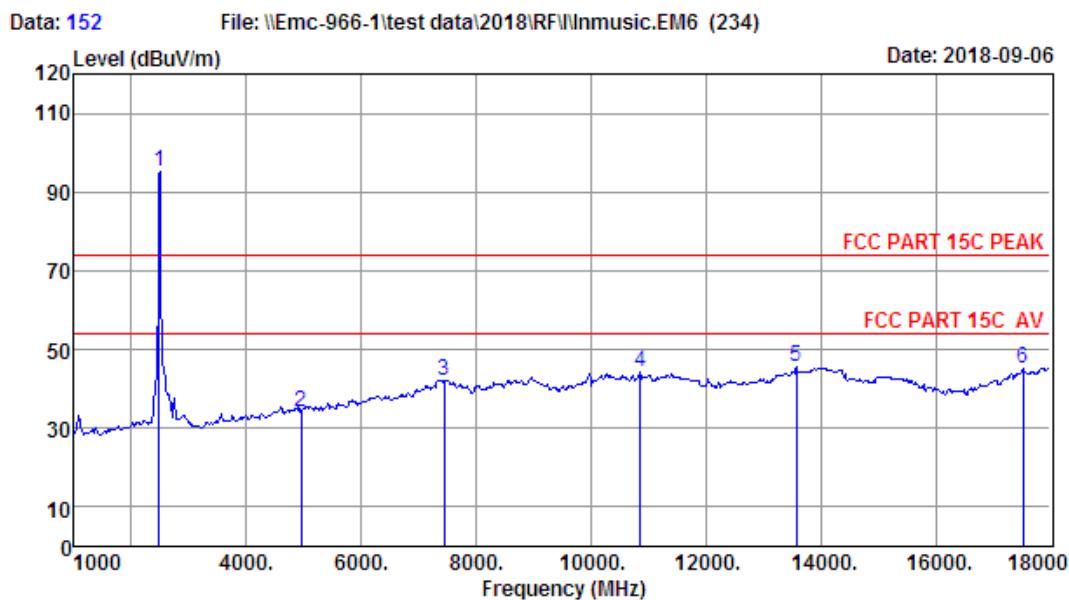
Site no. : 1# 966 Chamber Data no. : 151
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2480.00	27.56	3.29	35.21	94.40	90.04	74.00	-16.04	Peak	
2 4960.00	32.34	4.80	35.24	33.12	35.02	74.00	38.98	Peak	
3 7440.00	37.09	6.13	33.08	32.50	42.64	74.00	31.36	Peak	
4 10180.00	39.17	9.62	34.47	30.76	45.08	74.00	28.92	Peak	
5 14124.00	41.58	10.14	33.04	27.89	46.57	74.00	27.43	Peak	
6 18000.00	44.70	12.64	31.56	20.69	46.47	74.00	27.53	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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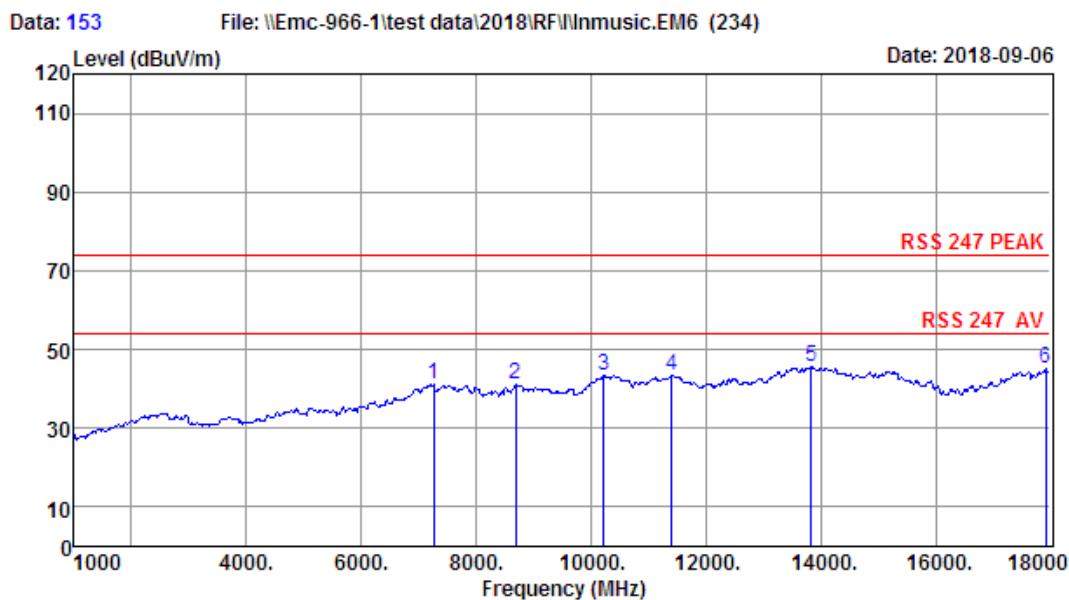
Site no. : 1# 966 Chamber Data no. : 152
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2480.00	27.56	3.29	35.21	99.56	95.20	74.00	-21.20	Peak
2 4960.00	32.34	4.80	35.24	32.15	34.05	74.00	39.95	Peak
3 7440.00	37.09	6.13	33.08	31.85	41.99	74.00	32.01	Peak
4 10860.00	39.73	8.68	33.62	29.27	44.06	74.00	29.94	Peak
5 13580.00	41.37	9.78	32.57	27.11	45.69	74.00	28.31	Peak
6 17524.00	43.44	11.60	31.18	21.39	45.25	74.00	28.75	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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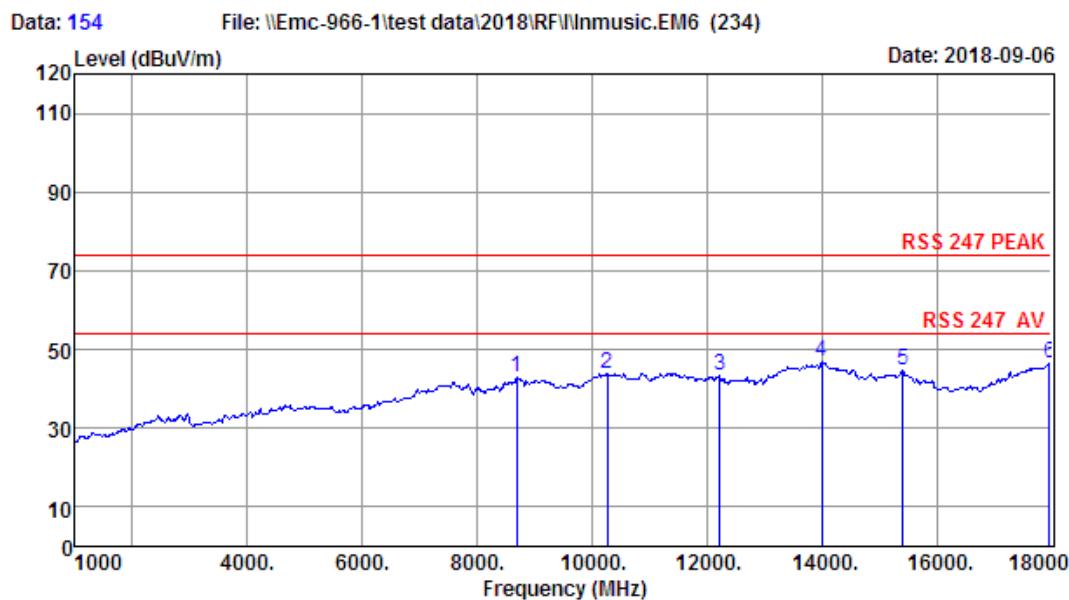
Site no. : 1# 966 Chamber Data no. : 153
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : RSS 247 PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : RX Mode
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 7256.00	36.67	6.04	33.39	31.90	41.22	74.00	32.78	Peak
2 8684.00	37.46	6.90	33.06	29.92	41.22	74.00	32.78	Peak
3 10214.00	39.19	9.77	34.43	28.93	43.46	74.00	30.54	Peak
4 11404.00	40.06	8.29	32.71	27.87	43.51	74.00	30.49	Peak
5 13835.00	41.57	10.10	32.76	26.61	45.52	74.00	28.48	Peak
6 17915.00	44.48	12.45	31.40	19.51	45.04	74.00	28.96	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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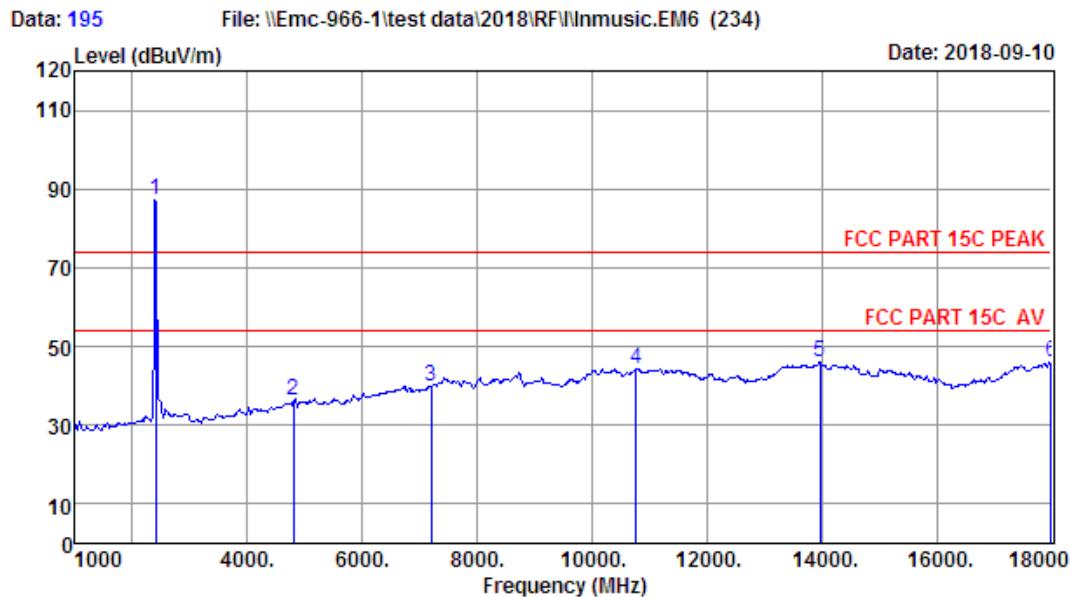
Site no. : 1# 966 Chamber Data no. : 154
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : RSS 247 PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : RX Mode
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 8684.00	37.46	6.90	33.06	31.67	42.97	74.00	31.03	Peak
2 10265.00	39.21	9.98	34.39	29.14	43.94	74.00	30.06	Peak
3 12220.00	39.36	8.39	32.60	28.04	43.19	74.00	30.81	Peak
4 14005.00	41.70	10.13	32.88	27.93	46.88	74.00	27.12	Peak
5 15416.00	39.64	10.90	32.53	26.87	44.88	74.00	29.12	Peak
6 17966.00	44.61	12.57	31.48	20.79	46.49	74.00	27.51	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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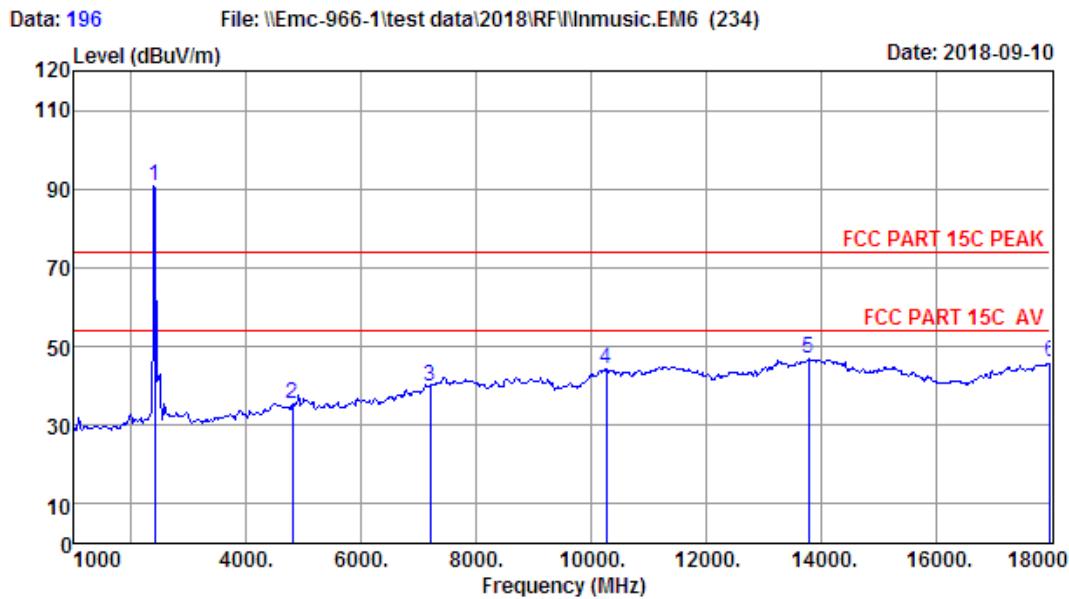
Site no. : 1# 966 Chamber Data no. : 195
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2402.00	27.35	3.21	34.94	91.59	87.21	74.00	-13.21	Peak	
2 4804.00	32.06	4.67	35.06	34.58	36.25	74.00	37.75	Peak	
3 7206.00	36.56	5.99	33.45	30.86	39.96	74.00	34.04	Peak	
4 10775.00	39.63	8.85	33.75	29.64	44.37	74.00	29.63	Peak	
5 13971.00	41.67	10.12	32.85	27.09	46.03	74.00	27.97	Peak	
6 18000.00	44.70	12.64	31.56	20.22	46.00	74.00	28.00	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 196
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2402.00	27.35	3.21	34.94	95.16	90.78	74.00	-16.78	Peak
2 4804.00	32.06	4.67	35.06	33.61	35.28	74.00	38.72	Peak
3 7206.00	36.56	5.99	33.45	30.93	40.03	74.00	33.97	Peak
4 10265.00	39.21	9.98	34.39	29.48	44.28	74.00	29.72	Peak
5 13784.00	41.53	10.05	32.72	28.22	47.08	74.00	26.92	Peak
6 18000.00	44.70	12.64	31.56	20.42	46.20	74.00	27.80	Peak

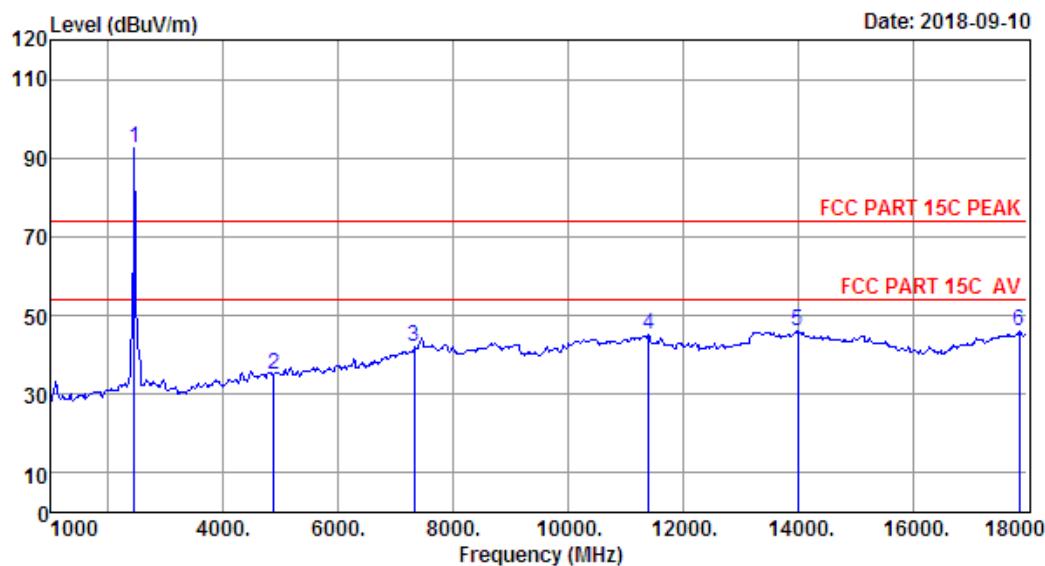
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 197 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



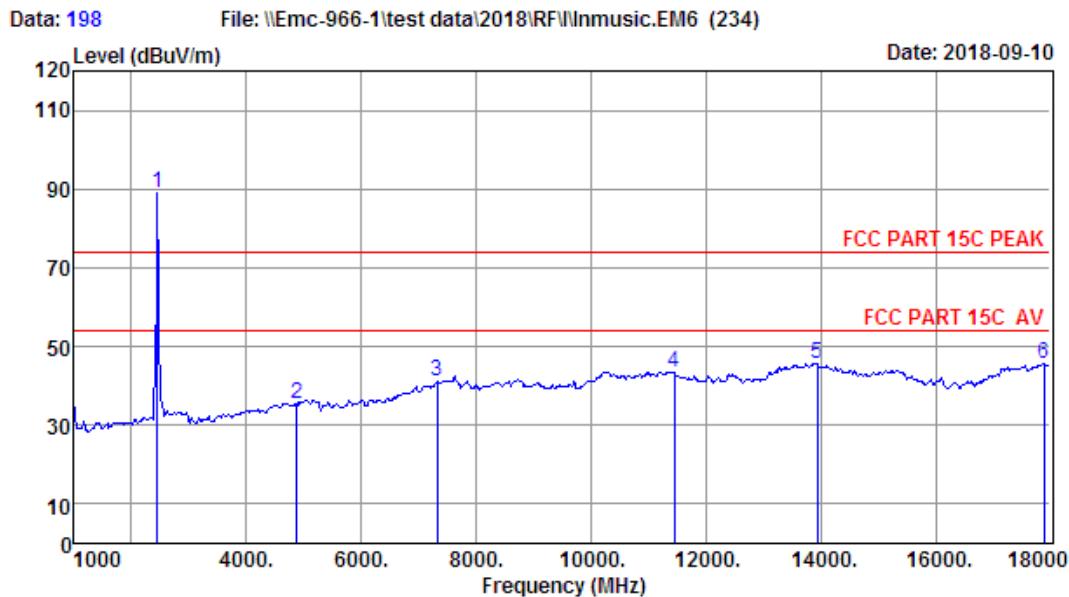
Site no. : 1# 966 Chamber Data no. : 197
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2441MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2441.00	27.48	3.26	35.07	97.04	92.71	74.00	-18.71		Peak
2 4882.00	32.18	4.73	35.14	33.33	35.10	74.00	38.90		Peak
3 7323.00	36.82	6.10	33.28	32.25	41.89	74.00	32.11		Peak
4 11404.00	40.06	8.29	32.71	29.55	45.19	74.00	28.81		Peak
5 14005.00	41.70	10.13	32.88	27.08	46.03	74.00	27.97		Peak
6 17864.00	44.34	12.34	31.29	20.59	45.98	74.00	28.02		Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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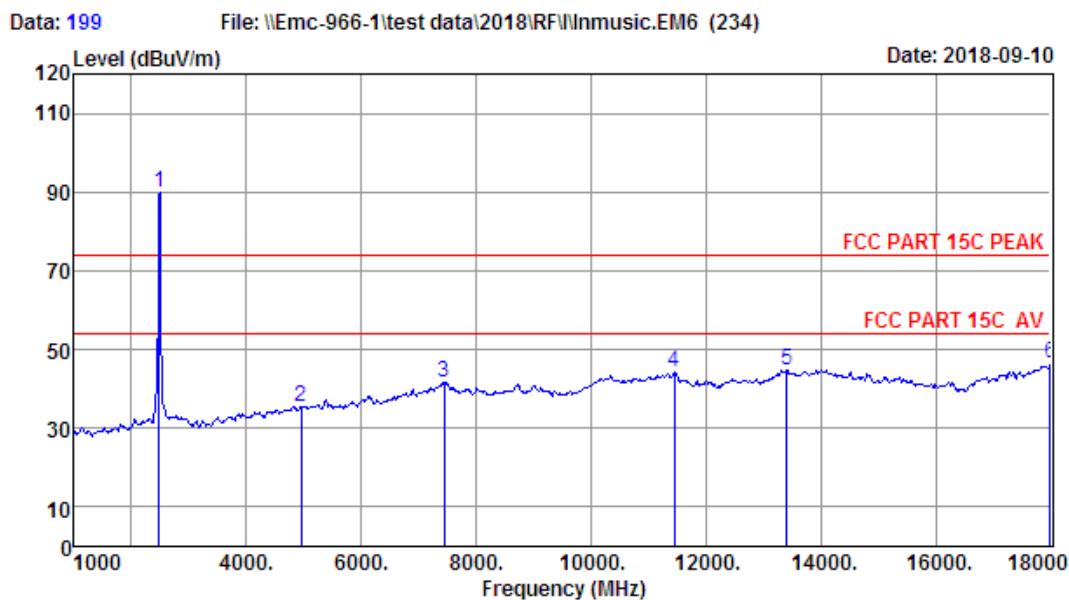
Site no. : 1# 966 Chamber Data no. : 198
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2441MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2441.00	27.48	3.26	35.07	93.54	89.21	74.00	-15.21	Peak
2 4882.00	32.18	4.73	35.14	33.80	35.57	74.00	38.43	Peak
3 7323.00	36.82	6.10	33.28	31.39	41.03	74.00	32.97	Peak
4 11455.00	40.08	8.28	32.62	27.87	43.61	74.00	30.39	Peak
5 13937.00	41.65	10.12	32.83	26.74	45.68	74.00	28.32	Peak
6 17881.00	44.39	12.38	31.33	20.27	45.71	74.00	28.29	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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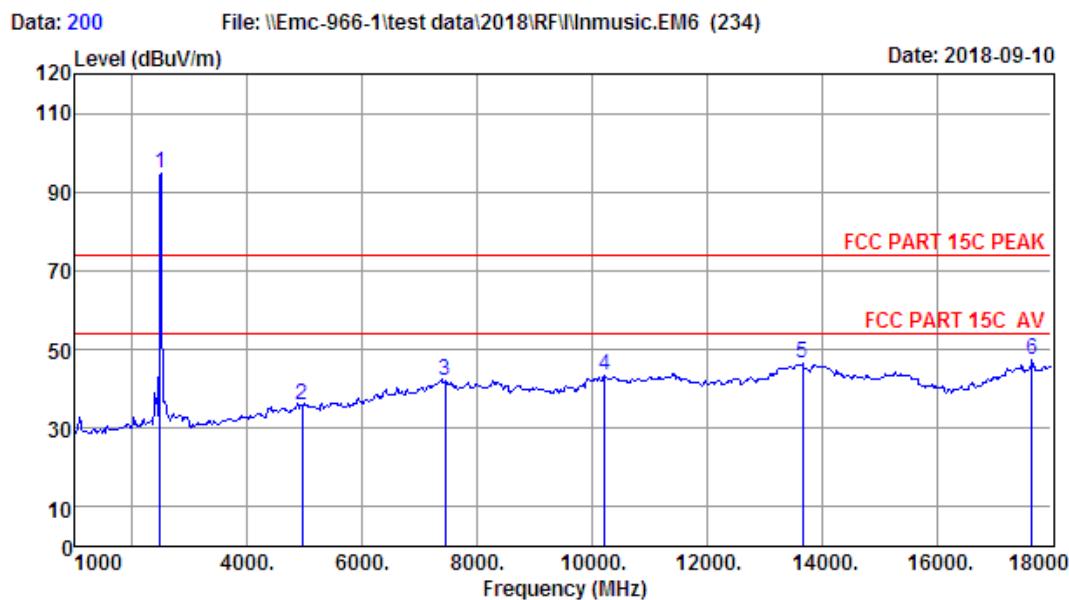
Site no. : 1# 966 Chamber Data no. : 199
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2480.00	27.56	3.29	35.21	94.36	90.00	74.00	-16.00	Peak	
2 4960.00	32.34	4.80	35.24	33.57	35.47	74.00	38.53	Peak	
3 7440.00	37.09	6.13	33.08	31.49	41.63	74.00	32.37	Peak	
4 11455.00	40.08	8.28	32.62	28.35	44.09	74.00	29.91	Peak	
5 13410.00	41.09	9.55	32.61	26.90	44.93	74.00	29.07	Peak	
6 18000.00	44.70	12.64	31.56	20.90	46.68	74.00	27.32	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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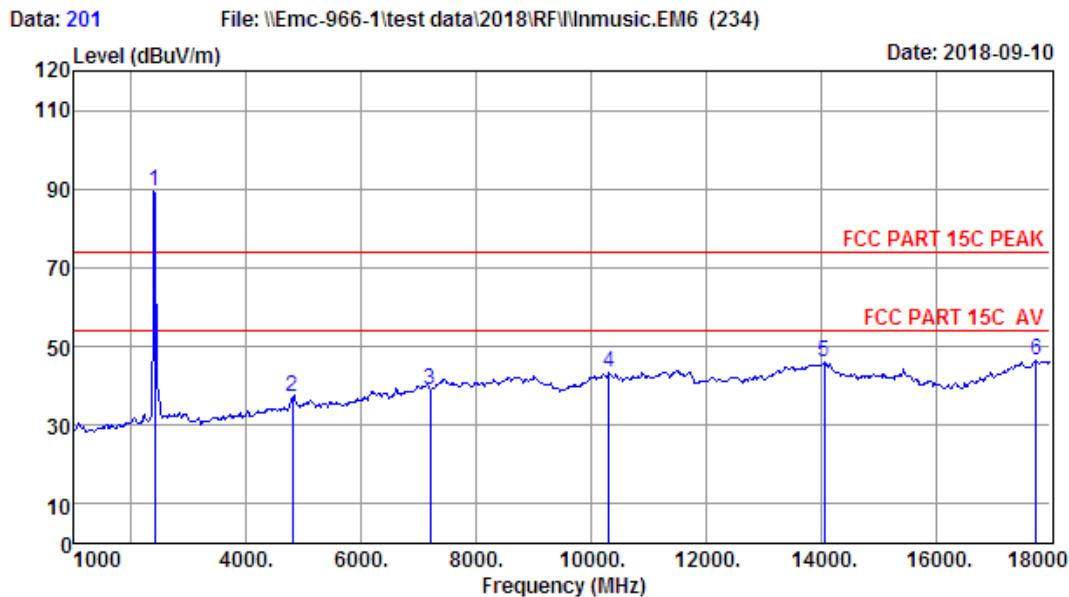
Site no. : 1# 966 Chamber Data no. : 200
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2480.00	27.56	3.29	35.21	99.09	94.73	74.00	-20.73	Peak	
2 4960.00	32.34	4.80	35.24	34.11	36.01	74.00	37.99	Peak	
3 7440.00	37.09	6.13	33.08	31.89	42.03	74.00	31.97	Peak	
4 10214.00	39.19	9.77	34.43	28.90	43.43	74.00	30.57	Peak	
5 13665.00	41.43	9.89	32.62	27.61	46.31	74.00	27.69	Peak	
6 17660.00	43.80	11.90	31.25	22.76	47.21	74.00	26.79	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 201
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark	
1 2402.00	27.35	3.21	34.94	93.96	89.58	74.00	-15.58	Peak	
2 4804.00	32.06	4.67	35.06	35.31	36.98	74.00	37.02	Peak	
3 7206.00	36.56	5.99	33.45	29.86	38.96	74.00	35.04	Peak	
4 10316.00	39.23	10.20	34.34	28.20	43.29	74.00	30.71	Peak	
5 14056.00	41.65	10.13	32.95	27.38	46.21	74.00	27.79	Peak	
6 17745.00	44.03	12.08	31.18	21.60	46.53	74.00	27.47	Peak	

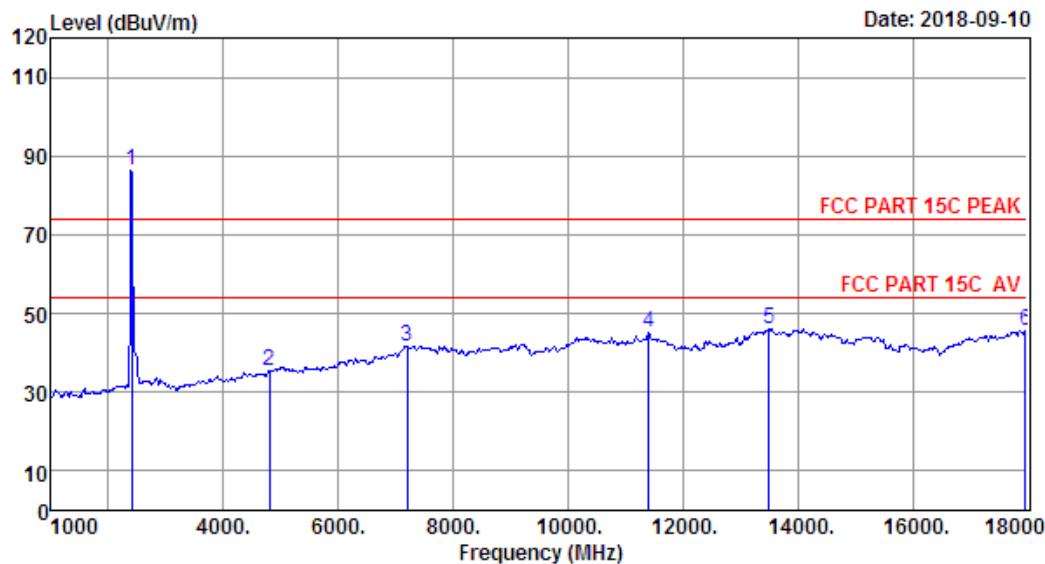
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 202 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



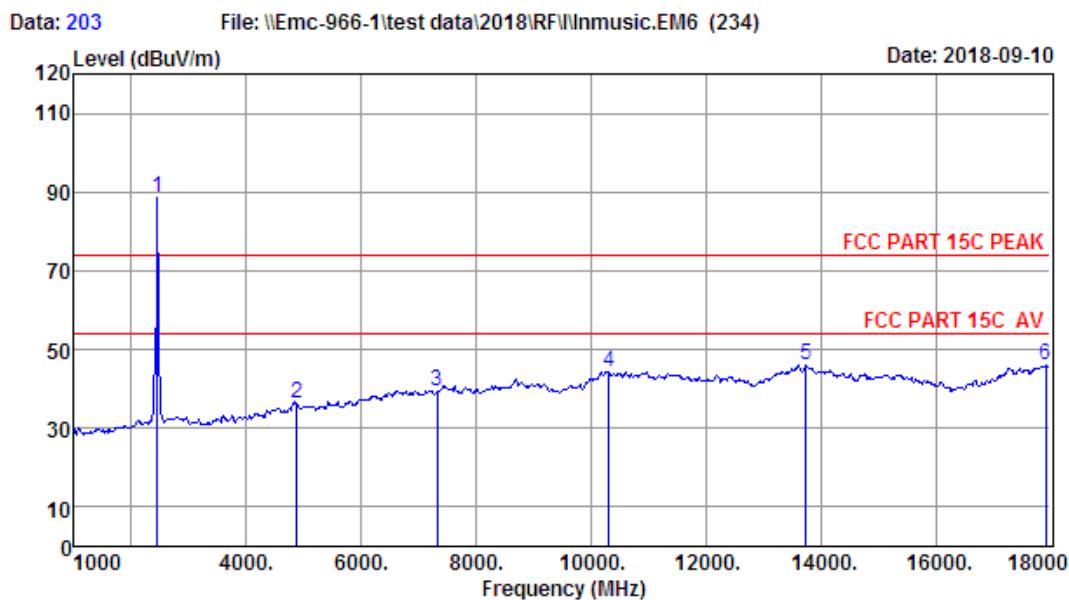
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 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2402.00	27.35	3.21	34.94	90.60	86.22	74.00	-12.22	Peak	
2 4804.00	32.06	4.67	35.06	33.65	35.32	74.00	38.68	Peak	
3 7206.00	36.56	5.99	33.45	32.34	41.44	74.00	32.56	Peak	
4 11404.00	40.06	8.29	32.71	29.73	45.37	74.00	28.63	Peak	
5 13495.00	41.30	9.66	32.56	27.75	46.15	74.00	27.85	Peak	
6 17966.00	44.61	12.57	31.48	19.89	45.59	74.00	28.41	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 203
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2441MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2441.00	27.48	3.26	35.07	92.72	88.39	74.00	-14.39	Peak	
2 4882.00	32.18	4.73	35.14	34.46	36.23	74.00	37.77	Peak	
3 7323.00	36.82	6.10	33.28	29.72	39.36	74.00	34.64	Peak	
4 10316.00	39.23	10.20	34.34	29.41	44.50	74.00	29.50	Peak	
5 13750.00	41.50	10.01	32.69	27.15	45.97	74.00	28.03	Peak	
6 17915.00	44.48	12.45	31.40	20.34	45.87	74.00	28.13	Peak	

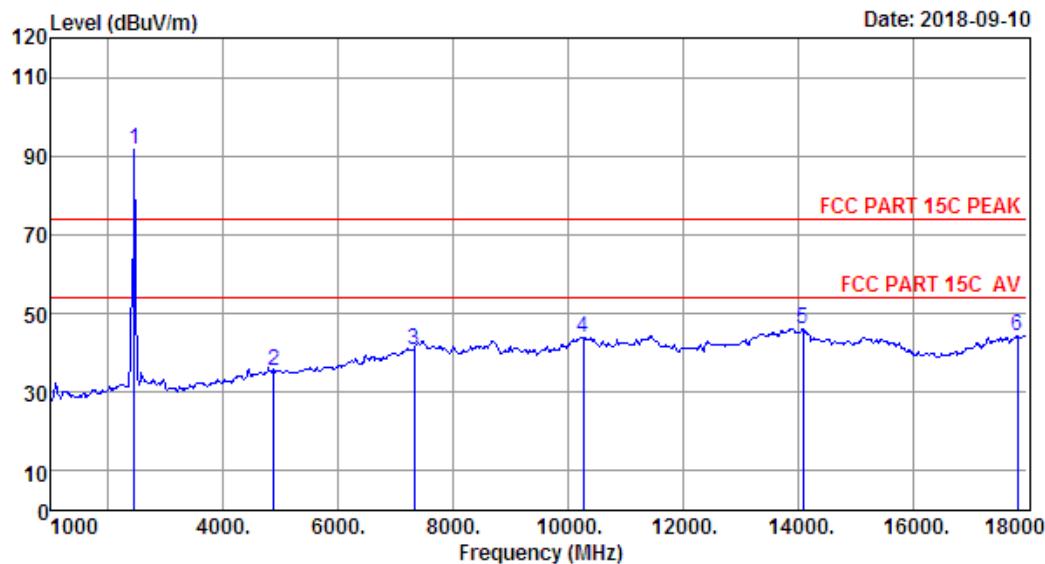
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 204 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



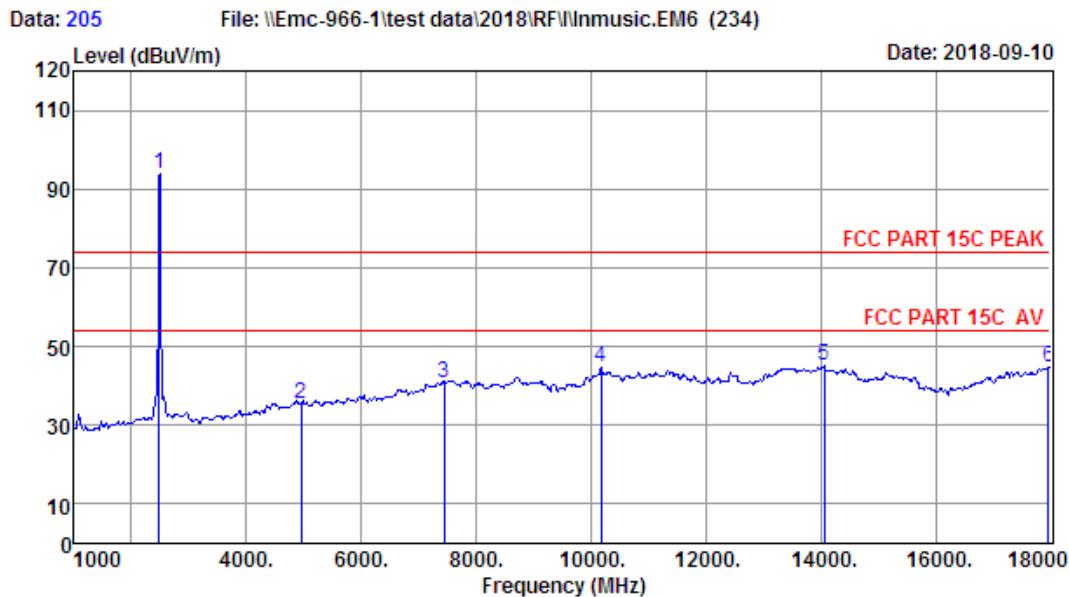
Site no. : 1# 966 Chamber Data no. : 204
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2441MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2441.00	27.48	3.26	35.07	96.14	91.81	74.00	-17.81	Peak	
2 4882.00	32.18	4.73	35.14	33.79	35.56	74.00	38.44	Peak	
3 7323.00	36.82	6.10	33.28	31.16	40.80	74.00	33.20	Peak	
4 10265.00	39.21	9.98	34.39	29.23	44.03	74.00	29.97	Peak	
5 14090.00	41.61	10.14	32.99	27.41	46.17	74.00	27.83	Peak	
6 17830.00	44.25	12.27	31.21	19.01	44.32	74.00	29.68	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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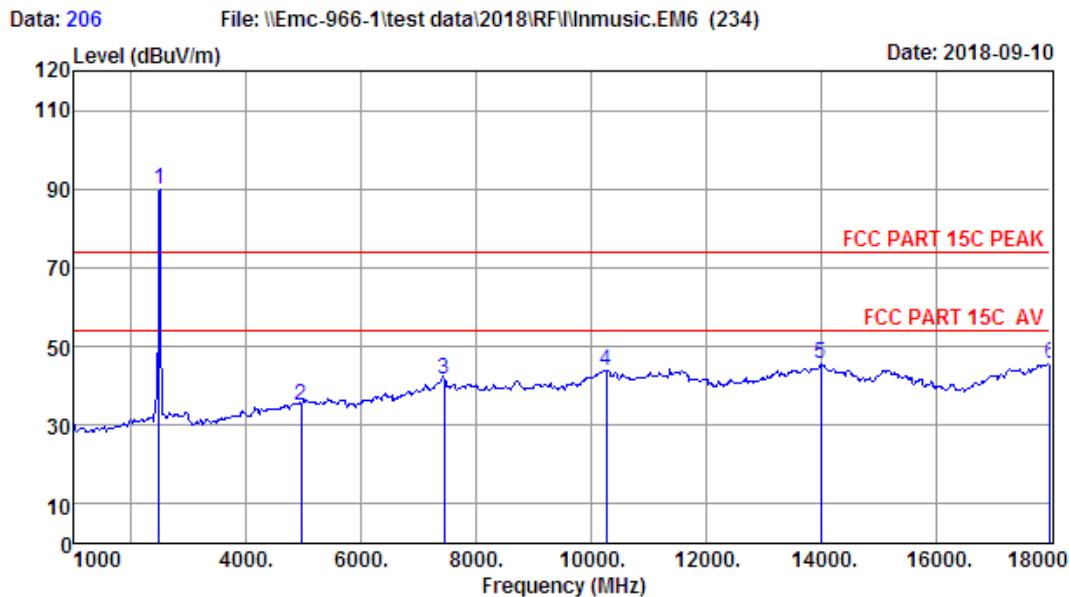
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 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2480.00	27.56	3.29	35.21	98.03	93.67	74.00	-19.67	Peak
2 4960.00	32.34	4.80	35.24	33.68	35.58	74.00	38.42	Peak
3 7440.00	37.09	6.13	33.08	30.41	40.55	74.00	33.45	Peak
4 10180.00	39.17	9.62	34.47	30.41	44.73	74.00	29.27	Peak
5 14056.00	41.65	10.13	32.95	26.12	44.95	74.00	29.05	Peak
6 17966.00	44.61	12.57	31.48	18.96	44.66	74.00	29.34	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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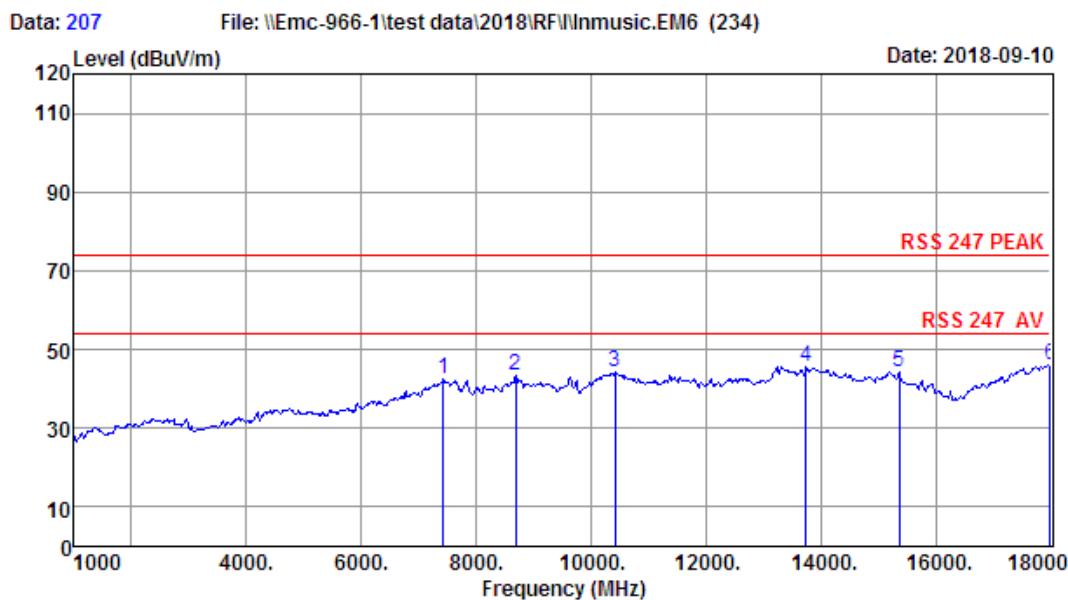
Site no. : 1# 966 Chamber Data no. : 206
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2480.00	27.56	3.29	35.21	94.28	89.92	74.00	-15.92	Peak	
2 4960.00	32.34	4.80	35.24	33.26	35.16	74.00	38.84	Peak	
3 7440.00	37.09	6.13	33.08	31.69	41.83	74.00	32.17	Peak	
4 10265.00	39.21	9.98	34.39	29.11	43.91	74.00	30.09	Peak	
5 14005.00	41.70	10.13	32.88	26.48	45.43	74.00	28.57	Peak	
6 18000.00	44.70	12.64	31.56	19.75	45.53	74.00	28.47	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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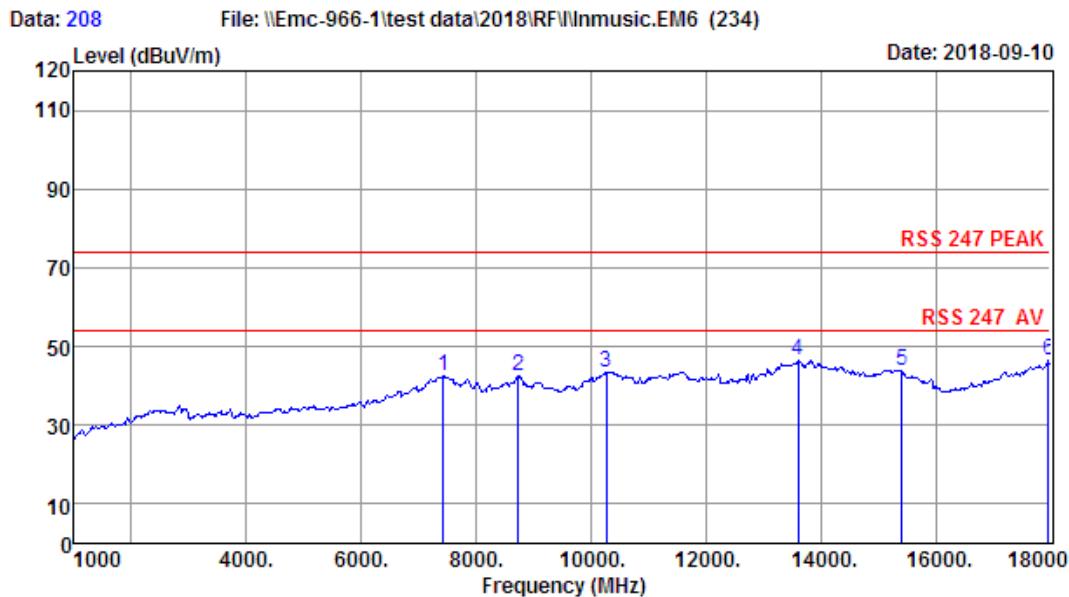
Site no. : 1# 966 Chamber Data no. : 207
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : RSS 247 PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : RX Mode
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 7426.00	37.05	6.13	33.11	32.24	42.31	74.00	31.69	Peak	
2 8684.00	37.46	6.90	33.06	32.22	43.52	74.00	30.48	Peak	
3 10418.00	39.27	9.90	34.22	29.29	44.24	74.00	29.76	Peak	
4 13750.00	41.50	10.01	32.69	26.90	45.72	74.00	28.28	Peak	
5 15365.00	39.72	10.93	32.64	26.46	44.47	74.00	29.53	Peak	
6 18000.00	44.70	12.64	31.56	20.40	46.18	74.00	27.82	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 208
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : RSS 247 PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : RX Mode
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 7426.00	37.05	6.13	33.11	32.37	42.44	74.00	31.56		Peak
2 8735.00	37.53	6.90	32.88	30.95	42.50	74.00	31.50		Peak
3 10265.00	39.21	9.98	34.39	28.59	43.39	74.00	30.61		Peak
4 13614.00	41.39	9.82	32.59	27.91	46.53	74.00	27.47		Peak
5 15416.00	39.64	10.90	32.53	25.79	43.80	74.00	30.20		Peak
6 17966.00	44.61	12.57	31.48	20.67	46.37	74.00	27.63		Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

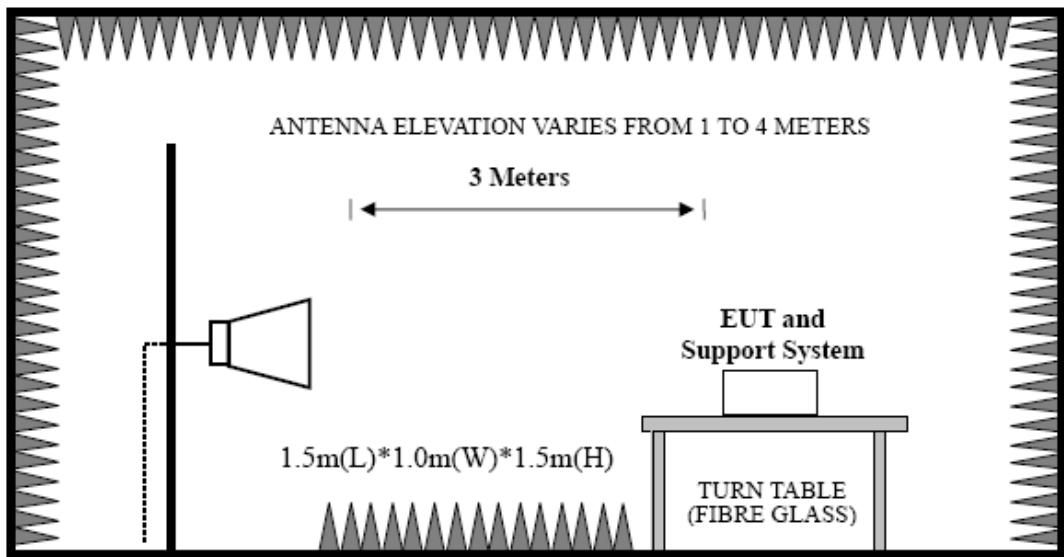
18000MHz – 25000MHz

Pass

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

10. BAND EDGE COMPLIANCE

10.1. Block Diagram of Test setup



10.2. Test Procedure

EUT was placed on a turn table, which is 1.5 meter high above ground. 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.

Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of emissions

- (a) Peak : RBW = 1MHz, VBW = 1MHz, Detector=PEAK detector, Sweep time = auto
- (b) AV : RBW = 1MHz, VBW = 10Hz, Detector=PEAK detector, Sweep time = auto .

10.3. Test Result

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

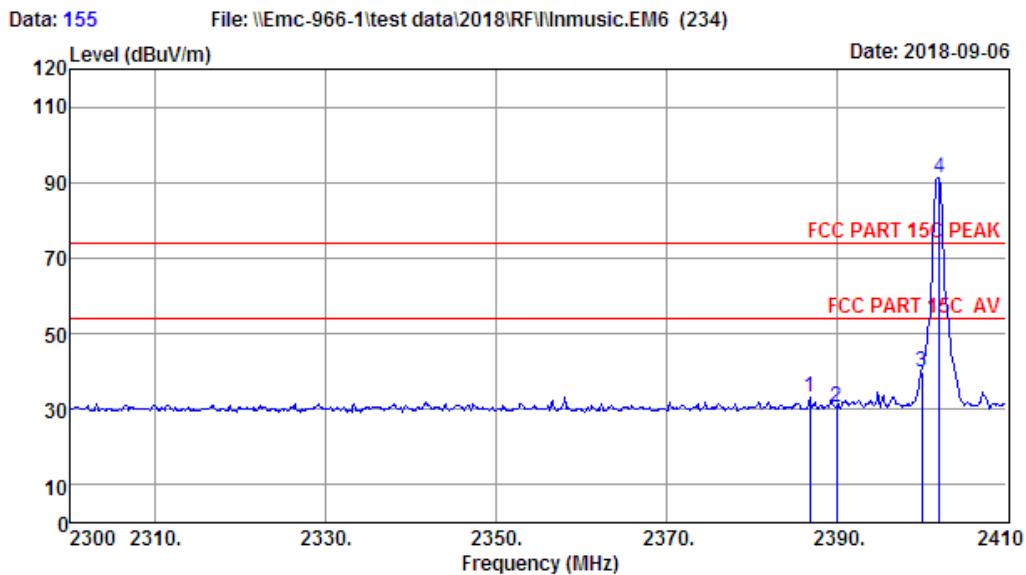
Note: 1、For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.

- 2、The frequency 2402MHz and 2480MHz 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.

10.4. Test Data

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Site no. : 1# 966 Chamber Data no. : 155
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz (No Hopping)
 Antenna:AN13-04

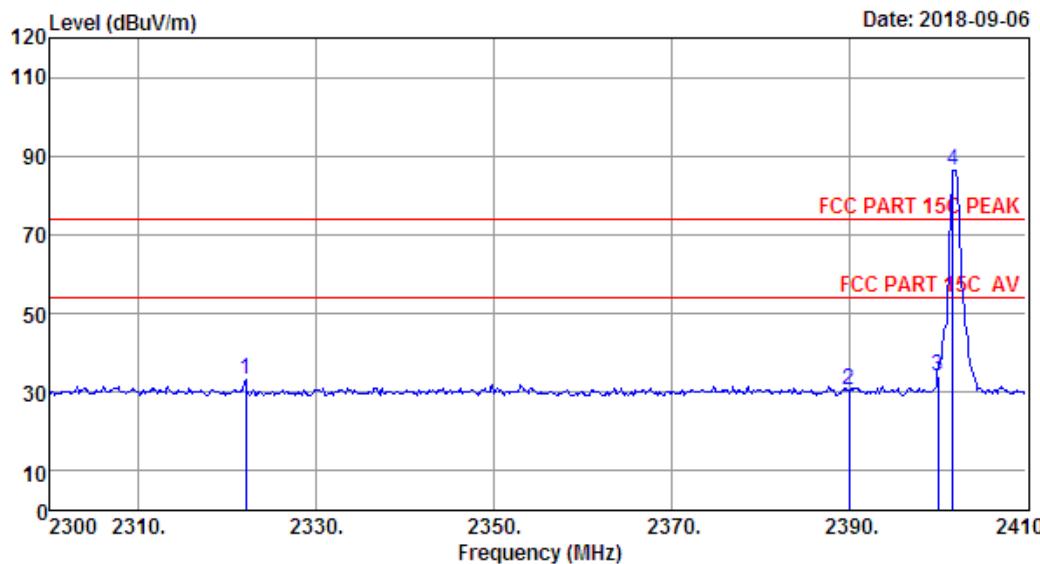
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)			
1 2386.90	27.35	3.21	34.87	37.49	33.18	74.00	40.82	Peak	
2 2390.00	27.35	3.21	34.87	34.97	30.66	74.00	43.34	Peak	
3 2400.00	27.35	3.21	34.94	44.44	40.06	74.00	33.94	Peak	
4 2402.08	27.35	3.21	34.94	95.75	91.37	74.00	-17.37	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 156 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)



Site no. : 1# 966 Chamber Data no. : 156
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz(No Hopping)
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2322.00	27.19	3.15	34.60	37.46	33.20	74.00	40.80	Peak	
2 2390.00	27.35	3.21	34.87	34.88	30.57	74.00	43.43	Peak	
3 2400.00	27.35	3.21	34.94	38.63	34.25	74.00	39.75	Peak	
4 2401.75	27.35	3.21	34.94	90.66	86.28	74.00	-12.28	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

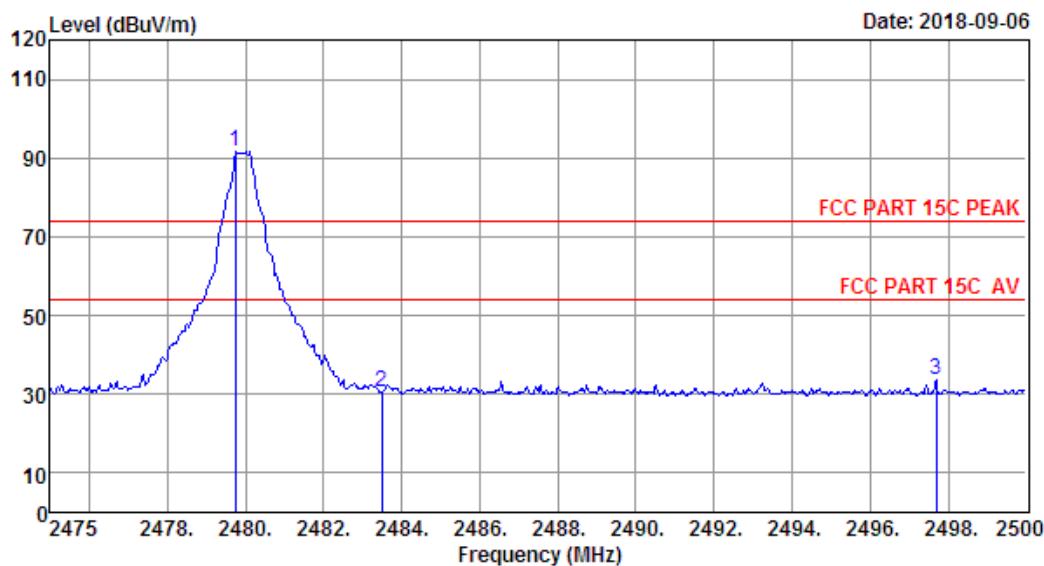
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Data: 157

File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-06



Site no. : 1# 966 Chamber Data no. : 157
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz(No Hopping)
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2479.75	27.56	3.29	35.21	96.22	91.86	74.00	-17.86	Peak	
2 2483.50	27.56	3.29	35.21	34.73	30.37	74.00	43.63	Peak	
3 2497.70	27.60	3.30	35.27	37.89	33.52	74.00	40.48	Peak	

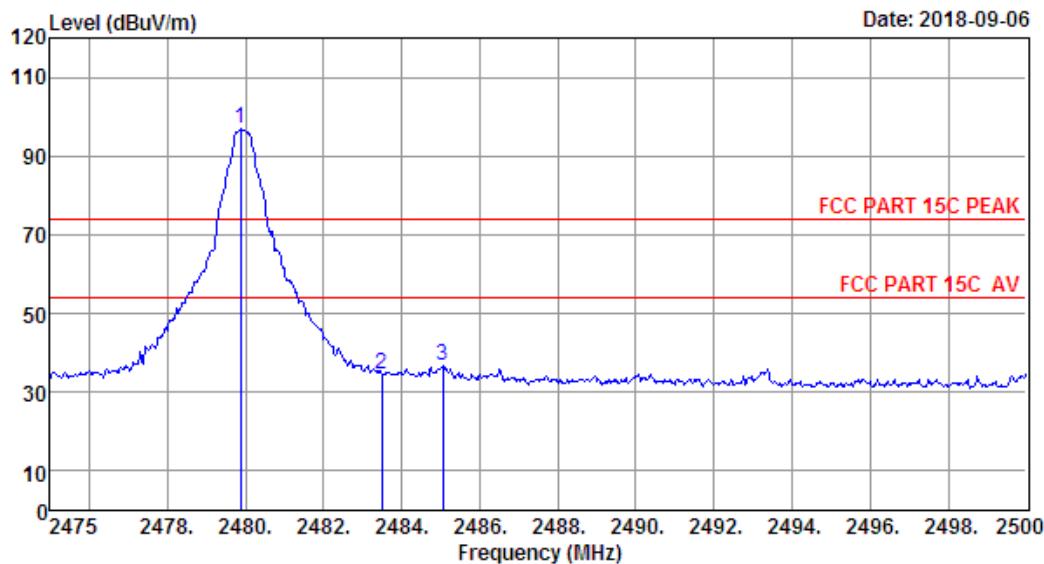
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 158 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-06



Site no. : 1# 966 Chamber Data no. : 158
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz(No Hopping)
 Antenna:AN13-04

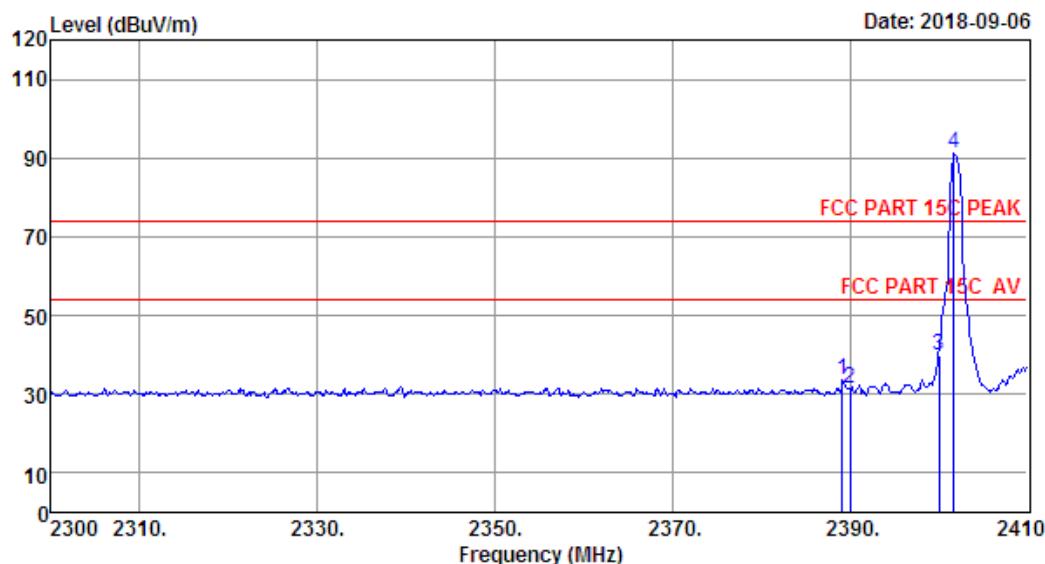
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2479.88	27.56	3.29	35.21	101.15	96.79	74.00	-22.79	Peak	
2 2483.50	27.56	3.29	35.21	39.02	34.66	74.00	39.34	Peak	
3 2485.05	27.56	3.29	35.21	41.21	36.85	74.00	37.15	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 159 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)



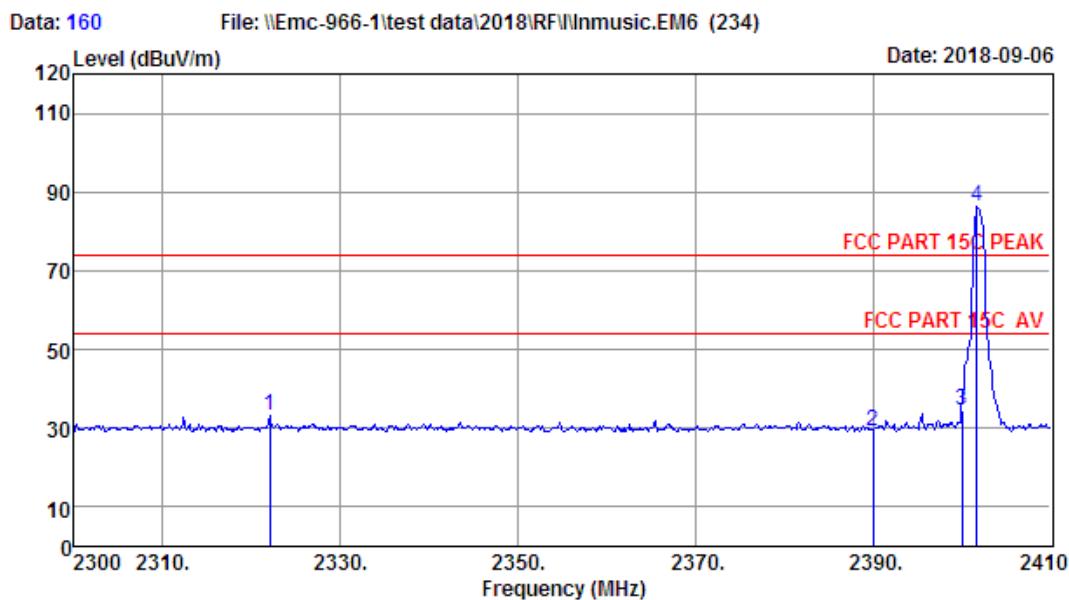
Site no. : 1# 966 Chamber Data no. : 159
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz (No Hopping)
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2389.10	27.35	3.21	34.87	37.89	33.58	74.00	40.42	Peak	
2 2390.00	27.35	3.21	34.87	35.66	31.35	74.00	42.65	Peak	
3 2400.00	27.35	3.21	34.94	44.22	39.84	74.00	34.16	Peak	
4 2401.75	27.35	3.21	34.94	95.44	91.06	74.00	-17.06	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 160
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz (No Hopping)
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2322.00	27.19	3.15	34.60	37.34	33.08	74.00	40.92	Peak	
2 2390.00	27.35	3.21	34.87	33.70	29.39	74.00	44.61	Peak	
3 2400.00	27.35	3.21	34.94	38.81	34.43	74.00	39.57	Peak	
4 2401.75	27.35	3.21	34.94	90.74	86.36	74.00	-12.36	Peak	

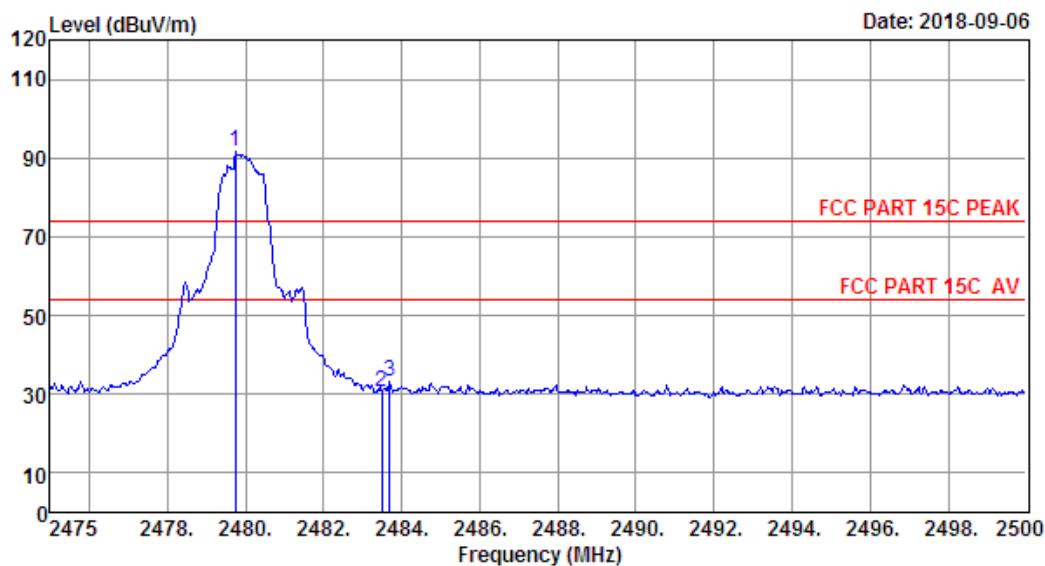
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 161 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-06



Site no. : 1# 966 Chamber Data no. : 161
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz (No Hopping)
 Antenna:AN13-04

Freq. (MHz)	Ant.	Cable	Amp	Emission					Remark
				Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	
1	2479.75	27.56	3.29	35.21	95.99	91.63	74.00	-17.63	Peak
2	2483.50	27.56	3.29	35.21	35.07	30.71	74.00	43.29	Peak
3	2483.70	27.56	3.29	35.21	37.55	33.19	74.00	40.81	Peak

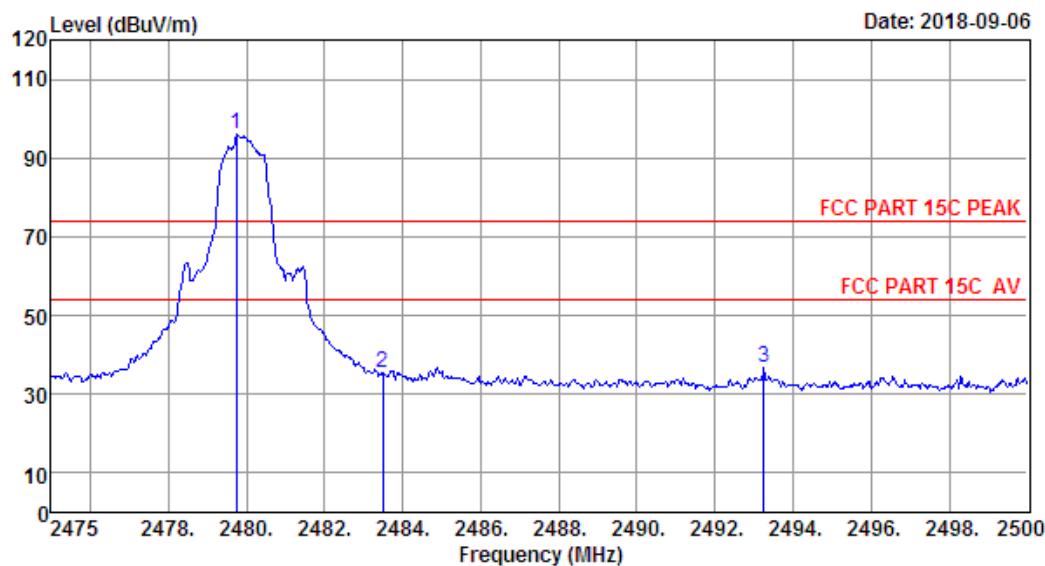
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 162 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-06



Site no. : 1# 966 Chamber Data no. : 162
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz (No Hopping)
 Antenna:AN13-04

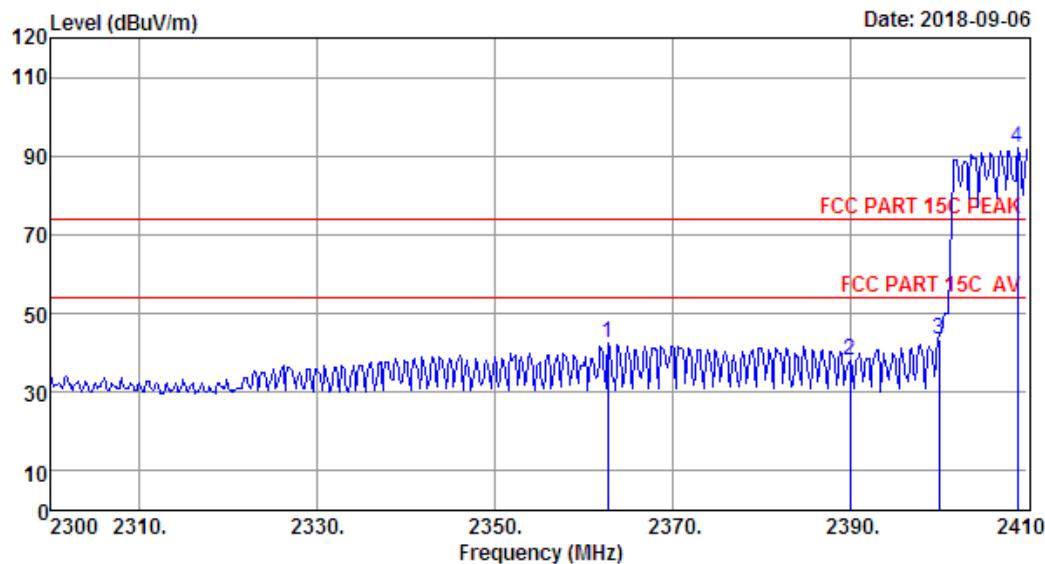
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2479.75	27.56	3.29	35.21	100.28	95.92	74.00	-21.92	Peak	
2 2483.50	27.56	3.29	35.21	39.71	35.35	74.00	38.65	Peak	
3 2493.25	27.60	3.30	35.27	41.31	36.94	74.00	37.06	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 163 File: \\Emc-966-1\\test data\\2018\\RF\\Inmusic.EM6 (234)



Site no. : 1# 966 Chamber Data no. : 163
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz(Hopping On)
 Antenna:AN13-04

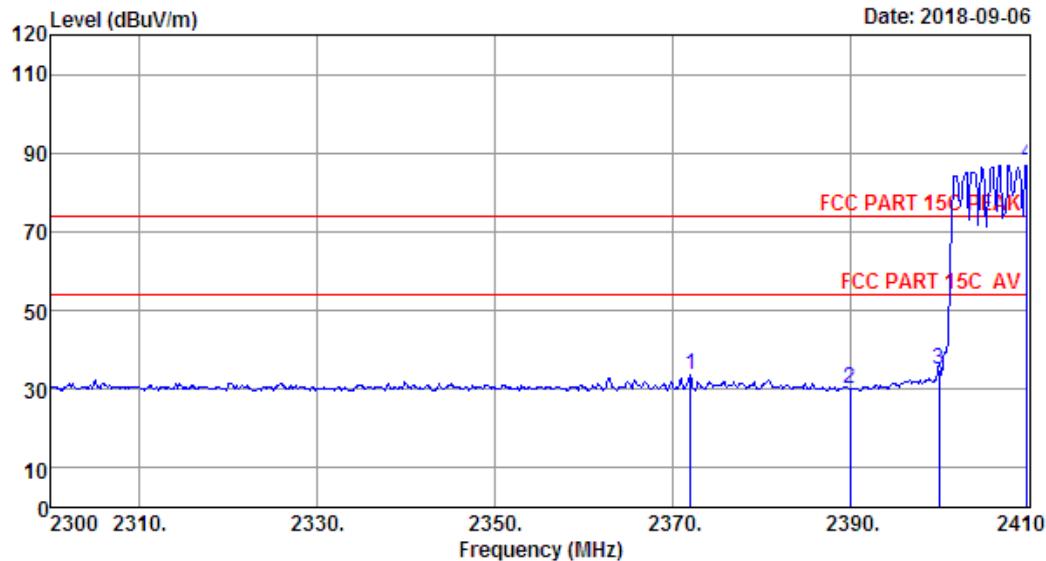
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2362.70	27.27	3.18	34.73	46.71	42.43	74.00	31.57	Peak	
2 2390.00	27.35	3.21	34.87	42.19	37.88	74.00	36.12	Peak	
3 2400.00	27.35	3.21	34.94	47.94	43.56	74.00	30.44	Peak	
4 2408.90	27.39	3.23	34.94	96.62	92.30	74.00	-18.30	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 164 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)



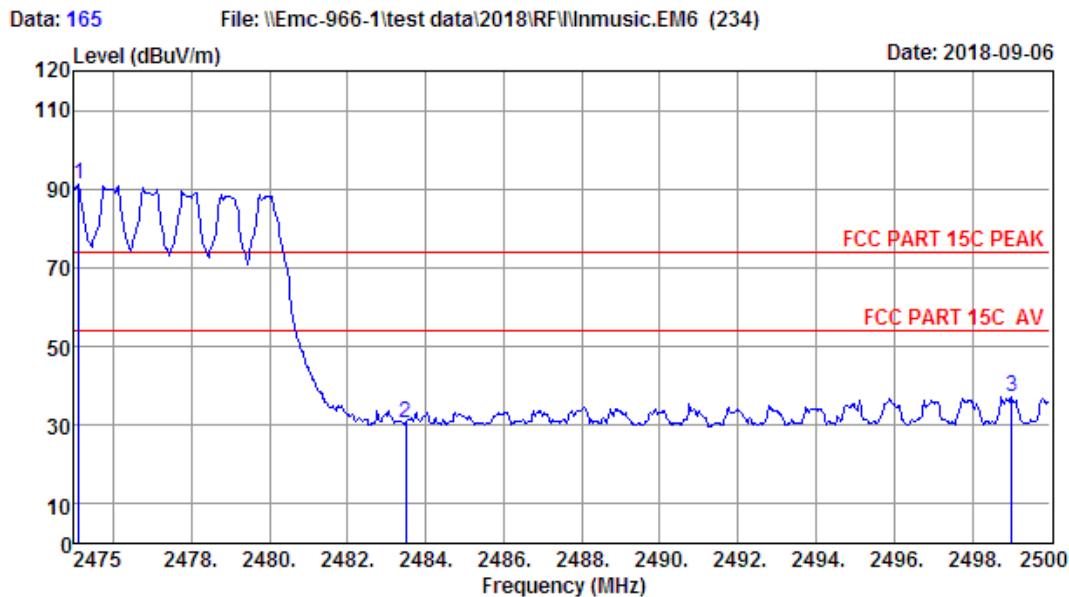
Site no. : 1# 966 Chamber Data no. : 164
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz(Hopping On)
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2372.05	27.31	3.20	34.80	37.92	33.63	74.00	40.37	Peak	
2 2390.00	27.35	3.21	34.87	34.50	30.19	74.00	43.81	Peak	
3 2400.00	27.35	3.21	34.94	39.26	34.88	74.00	39.12	Peak	
4 2410.00	27.39	3.23	34.94	91.38	87.06	74.00	-13.06	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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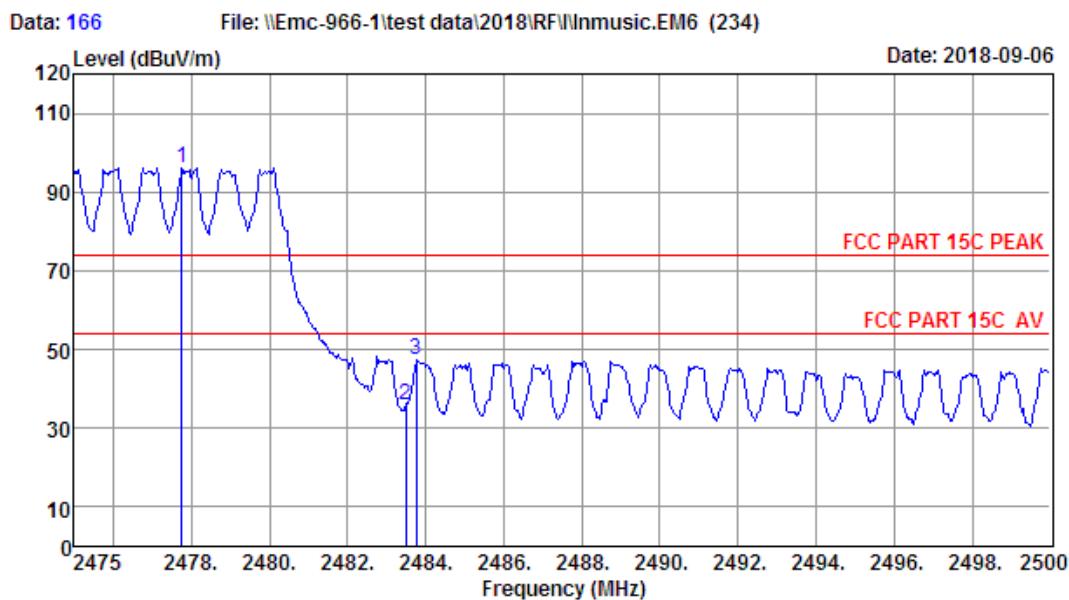
Site no. : 1# 966 Chamber Data no. : 165
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz(Hopping On)
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2475.13	27.56	3.29	35.21	95.79	91.43	74.00	-17.43	Peak	
2 2483.50	27.56	3.29	35.21	35.13	30.77	74.00	43.23	Peak	
3 2499.00	27.60	3.30	35.27	41.44	37.07	74.00	36.93	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 166
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz(Hopping On)
 Antenna:AN13-04

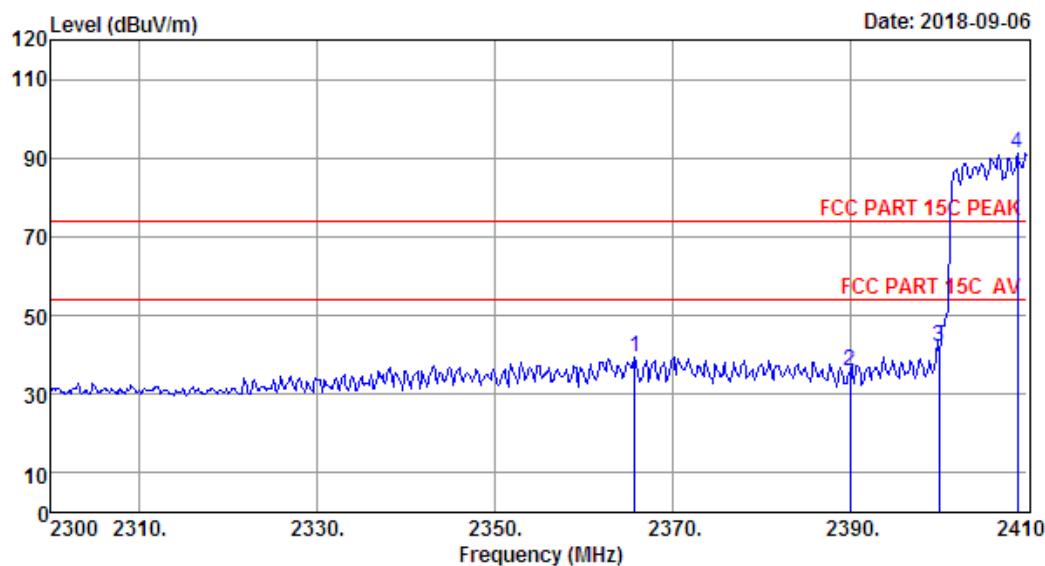
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2477.75	27.56	3.29	35.21	100.46	96.10	74.00	-22.10	Peak	
2 2483.50	27.56	3.29	35.21	40.32	35.96	74.00	38.04	Peak	
3 2483.75	27.56	3.29	35.21	51.72	47.36	74.00	26.64	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 167 File: \\Emc-966-1\\test data\\2018\\RF\\Inmusic.EM6 (234)



Site no. : 1# 966 Chamber Data no. : 167
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz(Hopping On)
 Antenna:AN13-04

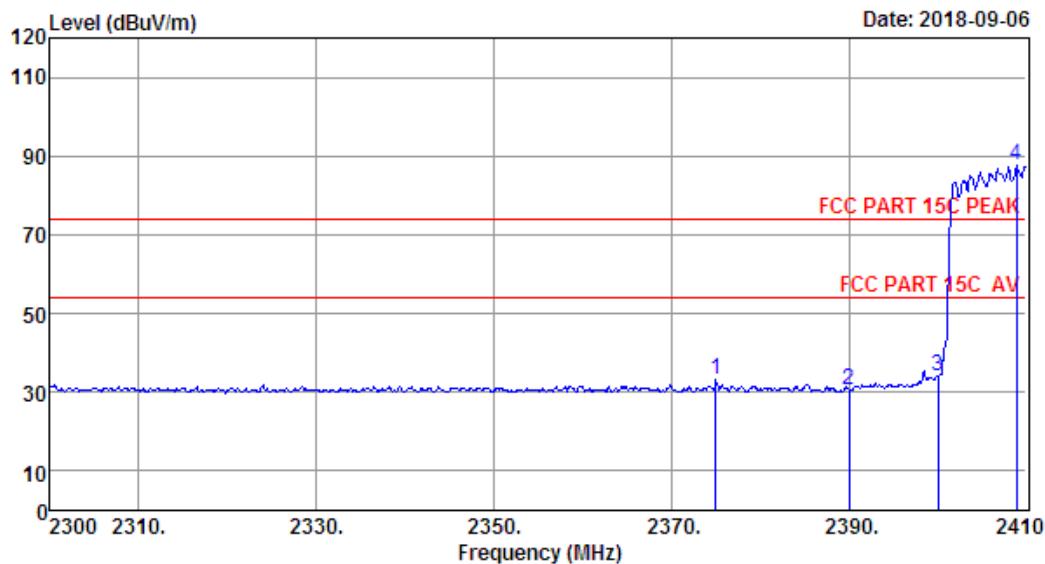
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2365.78	27.27	3.18	34.80	43.74	39.39	74.00	34.61	Peak	
2 2390.00	27.35	3.21	34.87	40.14	35.83	74.00	38.17	Peak	
3 2400.00	27.35	3.21	34.94	46.35	41.97	74.00	32.03	Peak	
4 2408.90	27.39	3.23	34.94	95.54	91.22	74.00	-17.22	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 168 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)



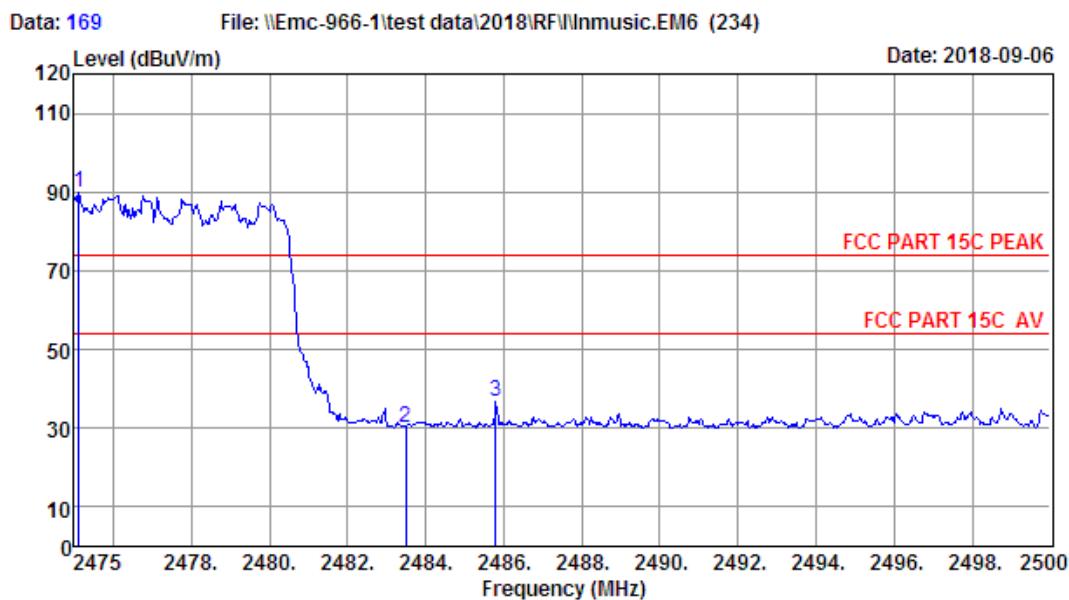
Site no. : 1# 966 Chamber Data no. : 168
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz(Hopping On)
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2375.02	27.31	3.20	34.80	37.44	33.15	74.00	40.85	Peak	
2 2390.00	27.35	3.21	34.87	34.93	30.62	74.00	43.38	Peak	
3 2400.00	27.35	3.21	34.94	38.58	34.20	74.00	39.80	Peak	
4 2408.90	27.39	3.23	34.94	91.95	87.63	74.00	-13.63	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 Chamber Data no. : 169
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz(Hopping On)
 Antenna:AN13-04

Freq. (MHz)	Ant.	Cable	Amp	Emission					Remark
				Factor (dB/m)	Loss (dB)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	
1 2475.13	27.56	3.29	35.21	94.37	90.01	74.00	-16.01	Peak	
2 2483.50	27.56	3.29	35.21	34.53	30.17	74.00	43.83	Peak	
3 2485.80	27.56	3.29	35.21	41.05	36.69	74.00	37.31	Peak	

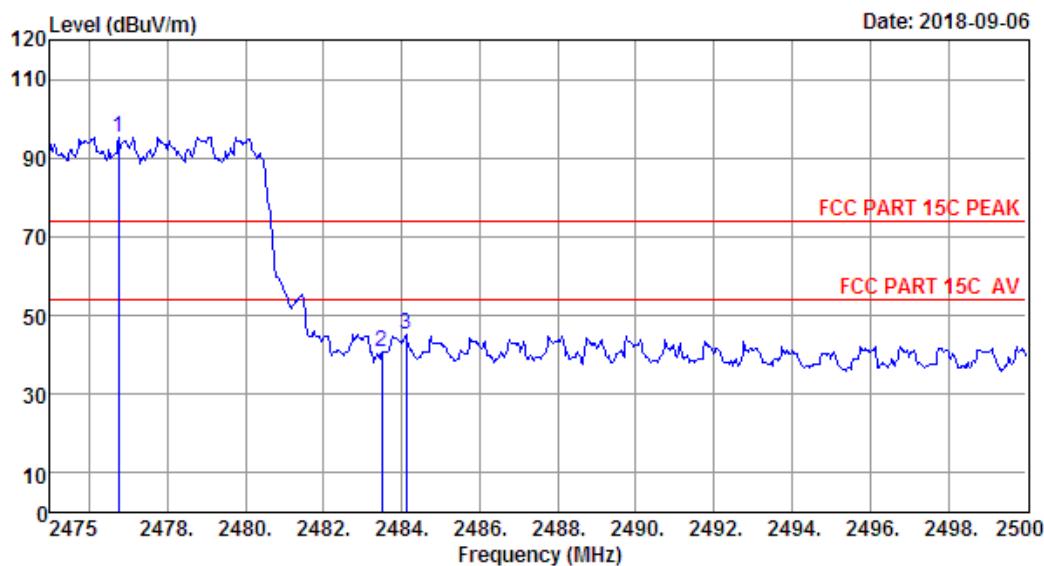
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 170 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-06



Site no. : 1# 966 Chamber Data no. : 170
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:23.9';Humi:52%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz(Hopping On)
 Antenna:AN13-04

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1 2476.75	27.56	3.29	35.21	99.78	95.42	74.00	-21.42	Peak
2 2483.50	27.56	3.29	35.21	45.19	40.83	74.00	33.17	Peak
3 2484.13	27.56	3.29	35.21	49.42	45.06	74.00	28.94	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

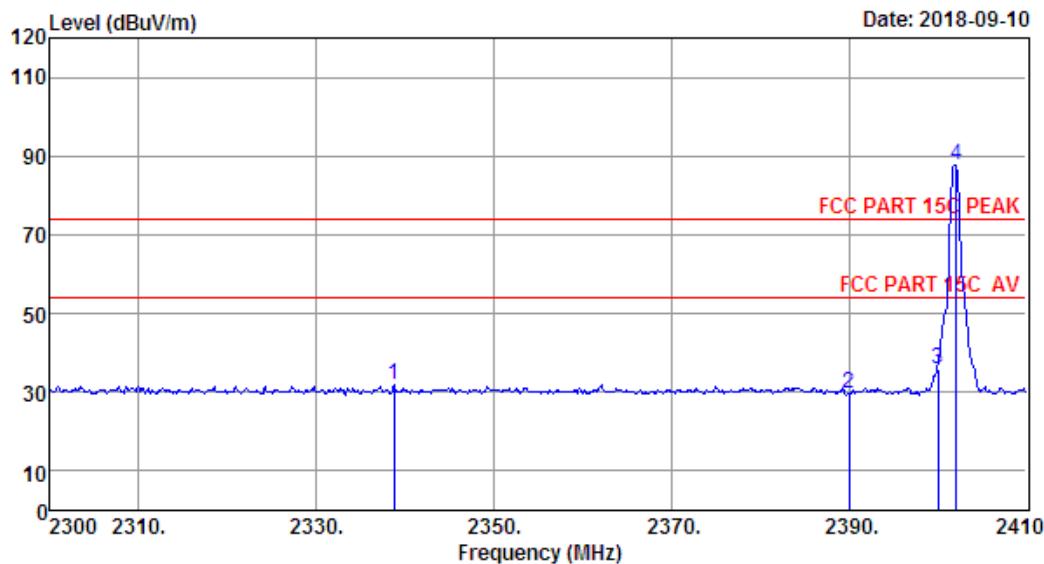
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Data: 209

File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



Site no. : 1# 966 Chamber Data no. : 209
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz(No Hopping)
 Antenna:TQC-2400-1.8DXBNC

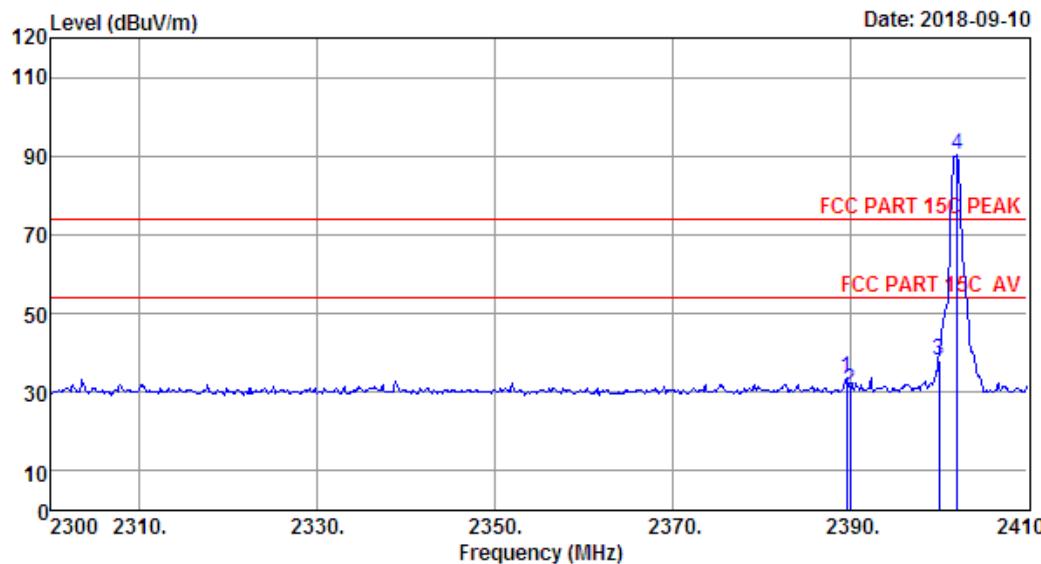
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2338.72	27.23	3.17	34.67	36.05	31.78	74.00	42.22	Peak	
2 2390.00	27.35	3.21	34.87	33.81	29.50	74.00	44.50	Peak	
3 2400.00	27.35	3.21	34.94	40.29	35.91	74.00	38.09	Peak	
4 2402.08	27.35	3.21	34.94	92.19	87.81	74.00	-13.81	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 210 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)



Site no. : 1# 966 Chamber Data no. : 210
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz(No Hopping)
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2389.65	27.35	3.21	34.87	37.98	33.67	74.00	40.33	Peak	
2 2390.00	27.35	3.21	34.87	35.03	30.72	74.00	43.28	Peak	
3 2400.00	27.35	3.21	34.94	42.60	38.22	74.00	35.78	Peak	
4 2402.08	27.35	3.21	34.94	94.87	90.49	74.00	-16.49	Peak	

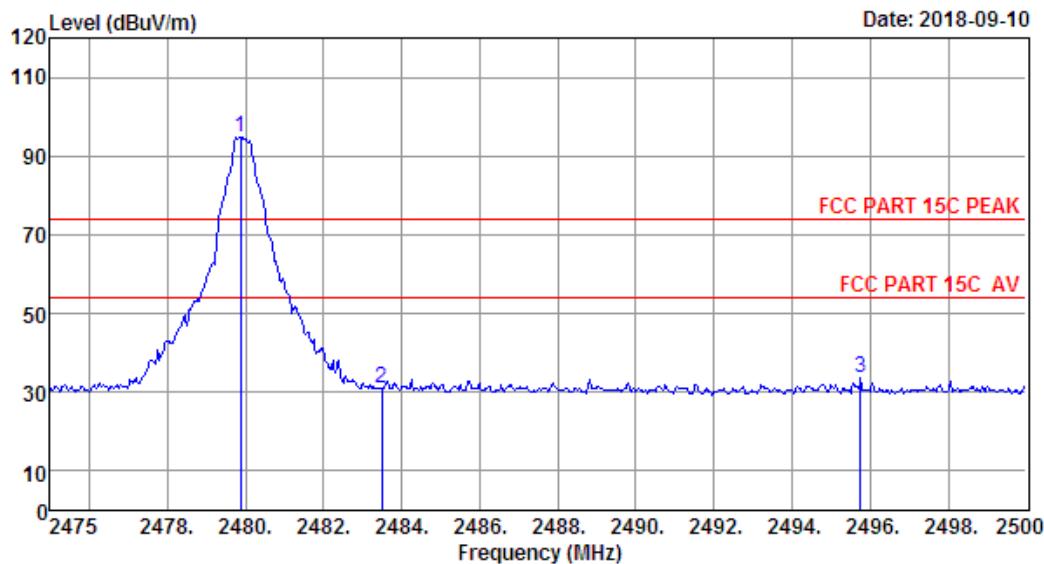
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 211 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



Site no. : 1# 966 Chamber Data no. : 211
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz(No Hopping)
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2479.88	27.56	3.29	35.21	99.16	94.80	74.00	-20.80	Peak	
2 2483.50	27.56	3.29	35.21	35.21	30.85	74.00	43.15	Peak	
3 2495.75	27.60	3.30	35.27	37.87	33.50	74.00	40.50	Peak	

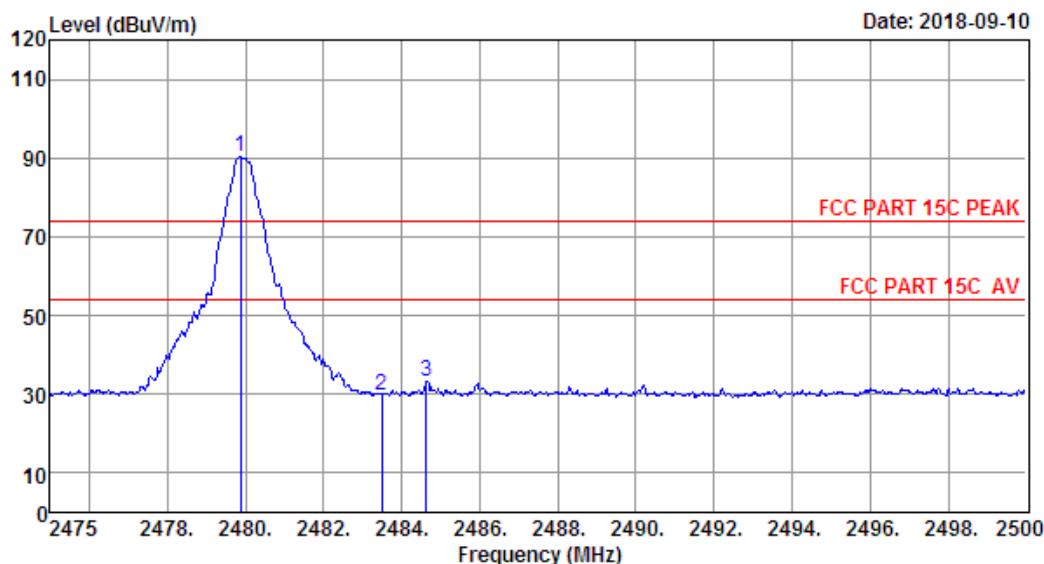
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 212 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



Site no. : 1# 966 Chamber Data no. : 212
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz(No Hopping)
 Antenna:TQC-2400-1.8DXBNC

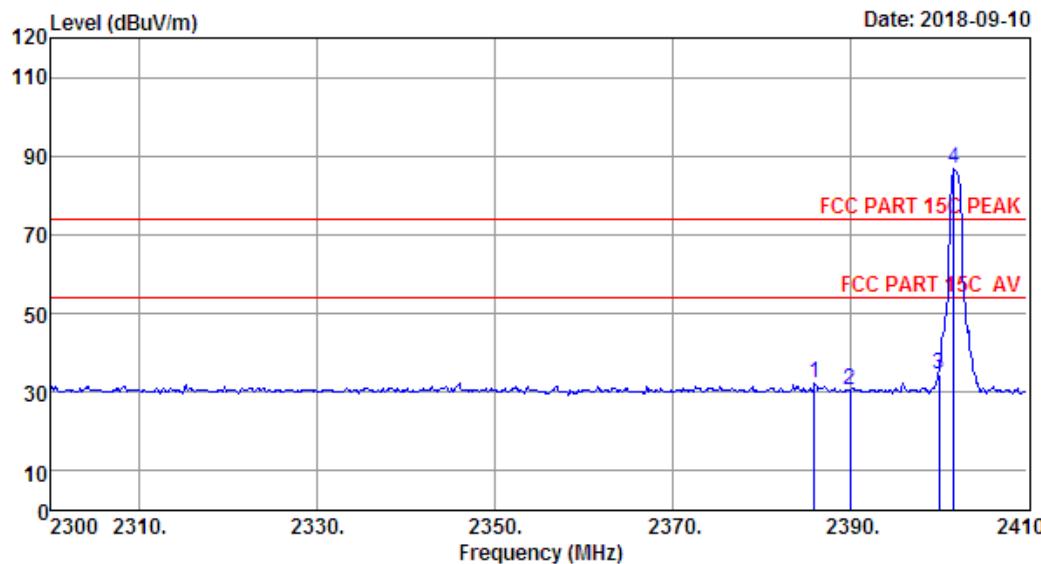
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2479.88	27.56	3.29	35.21	94.75	90.39	74.00	-16.39	Peak	
2 2483.50	27.56	3.29	35.21	34.18	29.82	74.00	44.18	Peak	
3 2484.63	27.56	3.29	35.21	37.64	33.28	74.00	40.72	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 213 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)



Site no. : 1# 966 Chamber Data no. : 213
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz (No Hopping)
 Antenna:TQC-2400-1.8DXBNC

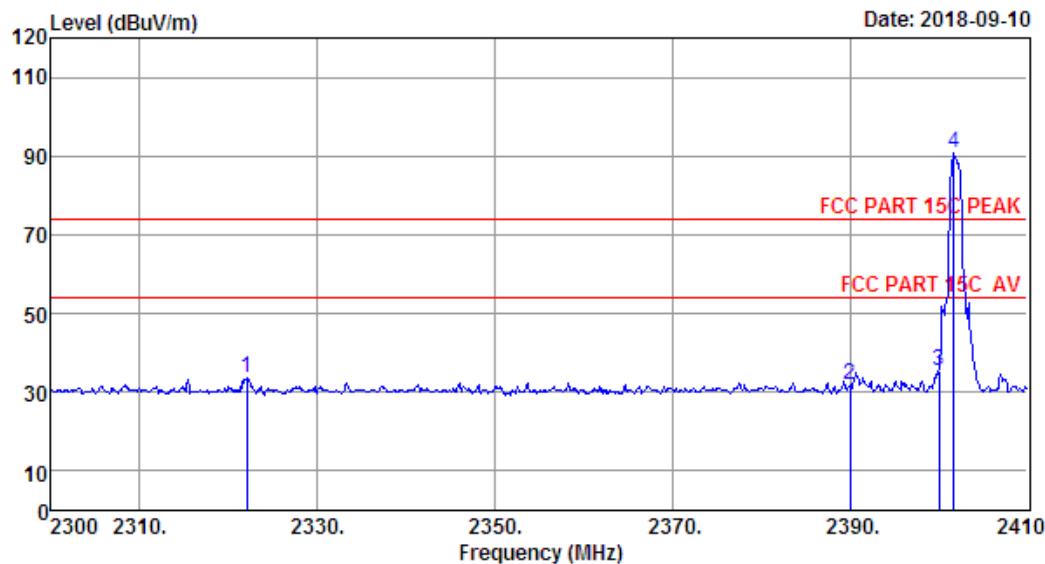
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2386.02	27.35	3.21	34.87	36.77	32.46	74.00	41.54	Peak	
2 2390.00	27.35	3.21	34.87	34.76	30.45	74.00	43.55	Peak	
3 2400.00	27.35	3.21	34.94	38.90	34.52	74.00	39.48	Peak	
4 2401.75	27.35	3.21	34.94	91.12	86.74	74.00	-12.74	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 214 File: \\Emc-966-1\\test data\\2018\\RF\\Inmusic.EM6 (234)



Site no. : 1# 966 Chamber Data no. : 214
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz (No Hopping)
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2322.00	27.19	3.15	34.60	37.93	33.67	74.00	40.33	Peak	
2 2390.00	27.35	3.21	34.87	36.32	32.01	74.00	41.99	Peak	
3 2400.00	27.35	3.21	34.94	39.59	35.21	74.00	38.79	Peak	
4 2401.75	27.35	3.21	34.94	95.20	90.82	74.00	-16.82	Peak	

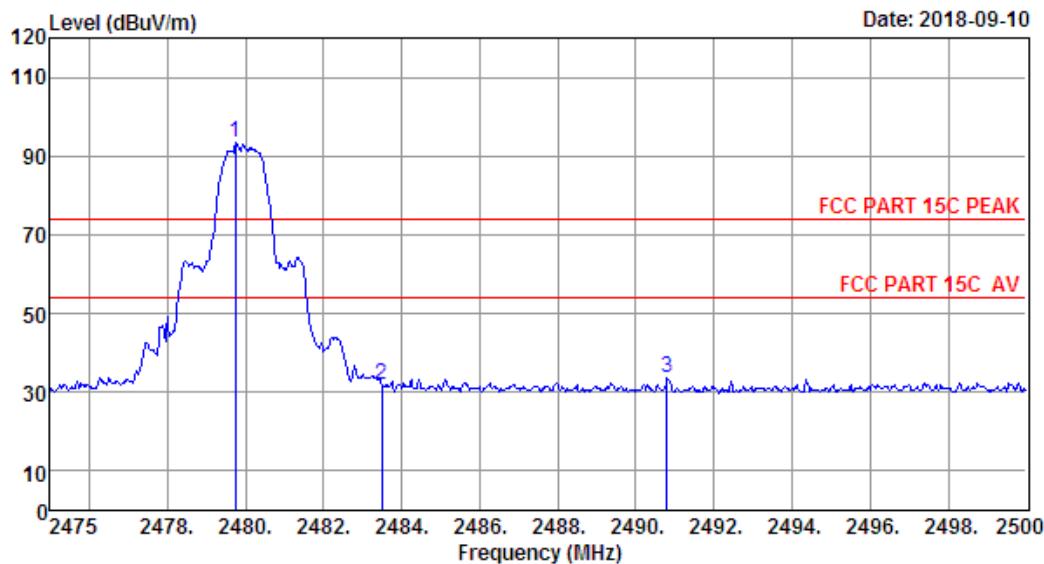
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 215 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



Site no. : 1# 966 Chamber Data no. : 215
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz (No Hopping)
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2479.75	27.56	3.29	35.21	97.80	93.44	74.00	-19.44	Peak	
2 2483.50	27.56	3.29	35.21	36.40	32.04	74.00	41.96	Peak	
3 2490.80	27.60	3.30	35.27	38.00	33.63	74.00	40.37	Peak	

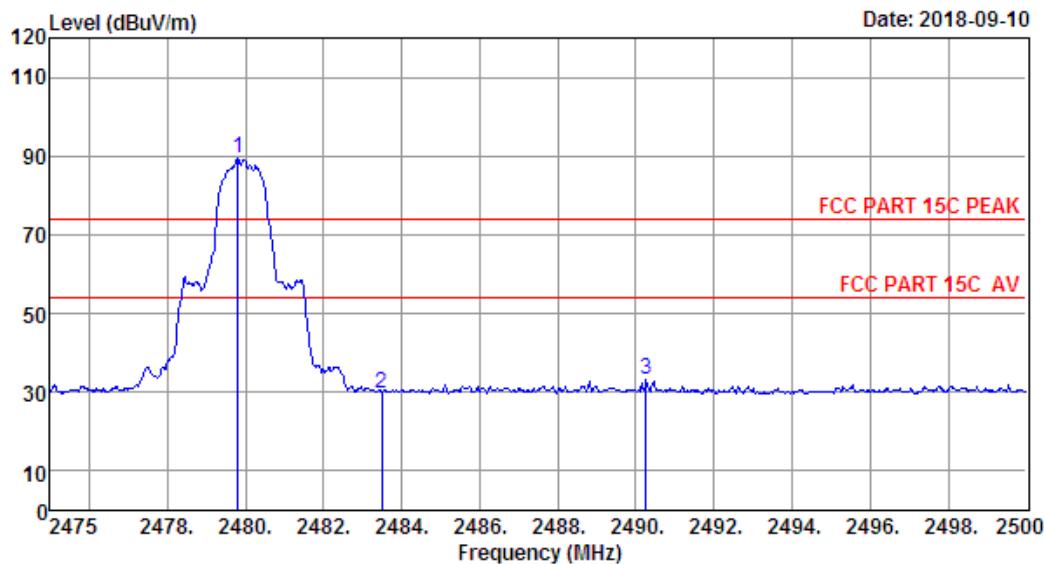
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 216 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



Site no. : 1# 966 Chamber Data no. : 216
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz (No Hopping)
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2479.80	27.56	3.29	35.21	93.90	89.54	74.00	-15.54	Peak	
2 2483.50	27.56	3.29	35.21	34.24	29.88	74.00	44.12	Peak	
3 2490.25	27.60	3.30	35.27	37.67	33.30	74.00	40.70	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

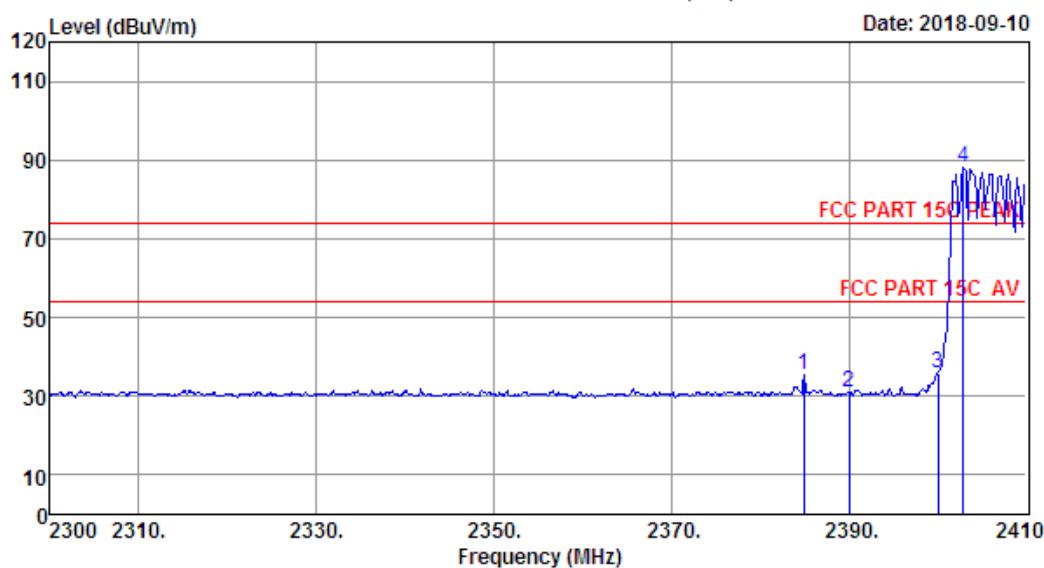
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Data: 217

File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



Site no. : 1# 966 Chamber Data no. : 217
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz(Hopping On)
 Antenna:TQC-2400-1.8DXBNC

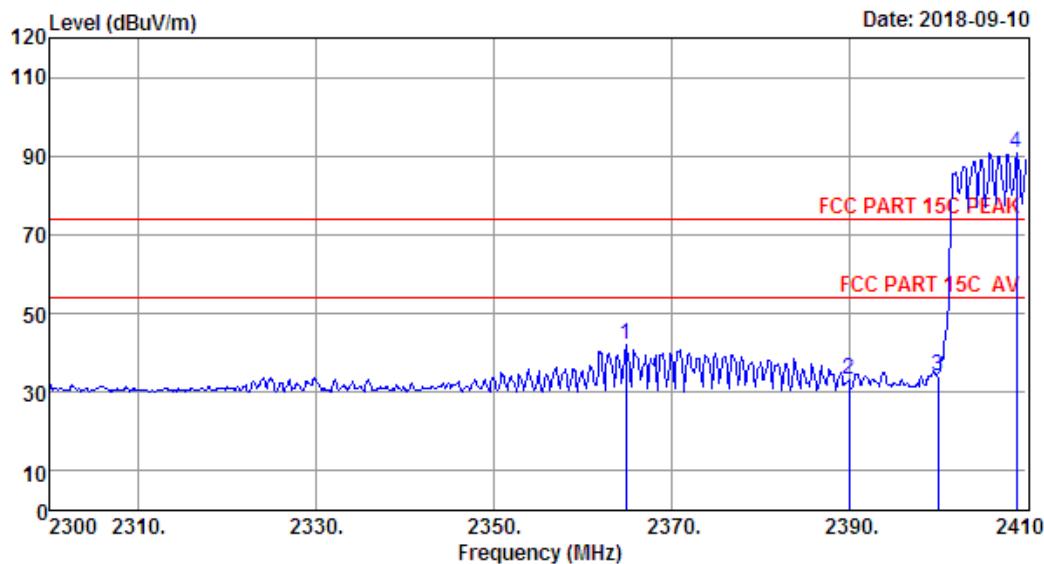
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2384.92	27.31	3.20	34.87	39.83	35.47	74.00	38.53	Peak	
2 2390.00	27.35	3.21	34.87	35.50	31.19	74.00	42.81	Peak	
3 2400.00	27.35	3.21	34.94	40.27	35.89	74.00	38.11	Peak	
4 2402.85	27.39	3.23	34.94	92.23	87.91	74.00	-13.91	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 218 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)



Site no. : 1# 966 Chamber Data no. : 218
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2402MHz(Hopping On)
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2364.90	27.27	3.18	34.80	46.60	42.25	74.00	31.75	Peak	
2 2390.00	27.35	3.21	34.87	37.34	33.03	74.00	40.97	Peak	
3 2400.00	27.35	3.21	34.94	38.56	34.18	74.00	39.82	Peak	
4 2408.90	27.39	3.23	34.94	95.29	90.97	74.00	-16.97	Peak	

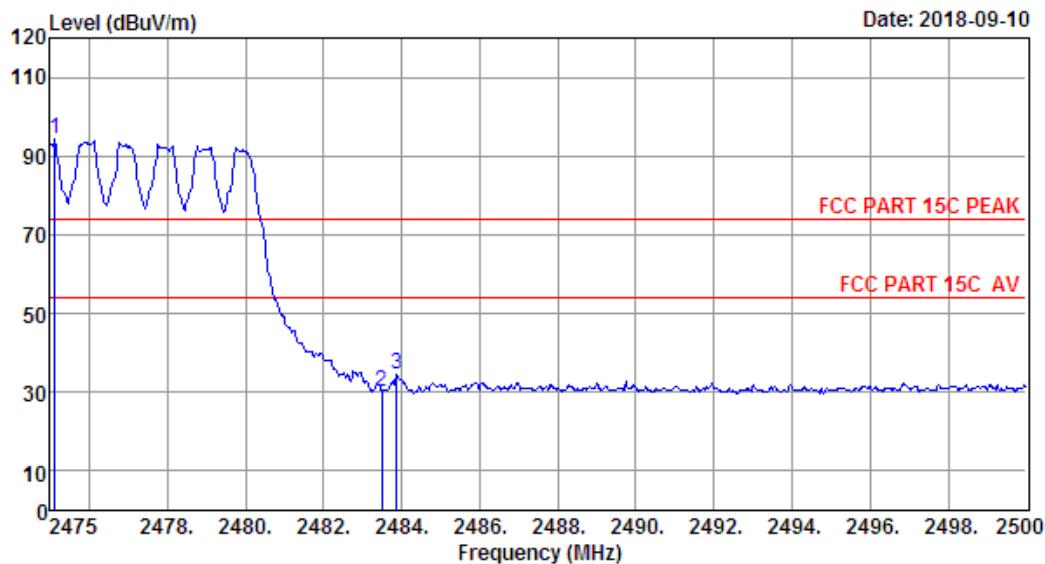
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 219 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



Site no. : 1# 966 Chamber Data no. : 219
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz(Hopping On)
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2475.13	27.56	3.29	35.21	98.53	94.17	74.00	-20.17	Peak	
2 2483.50	27.56	3.29	35.21	34.67	30.31	74.00	43.69	Peak	
3 2483.88	27.56	3.29	35.21	39.02	34.66	74.00	39.34	Peak	

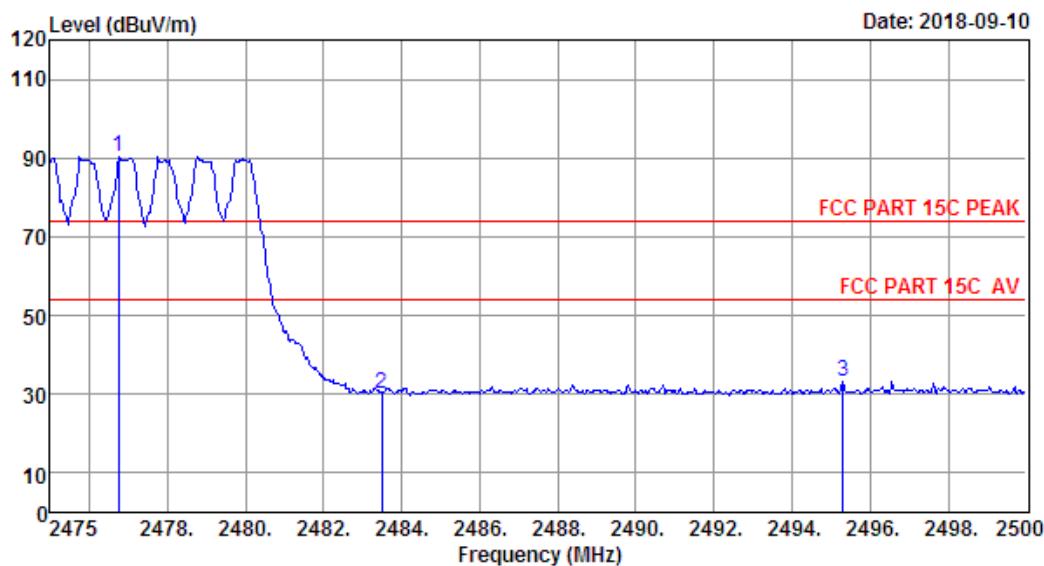
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 220 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



Site no. : 1# 966 Chamber Data no. : 220
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : GFSK TX 2480MHz(Hopping On)
 Antenna:TQC-2400-1.8DXBNC

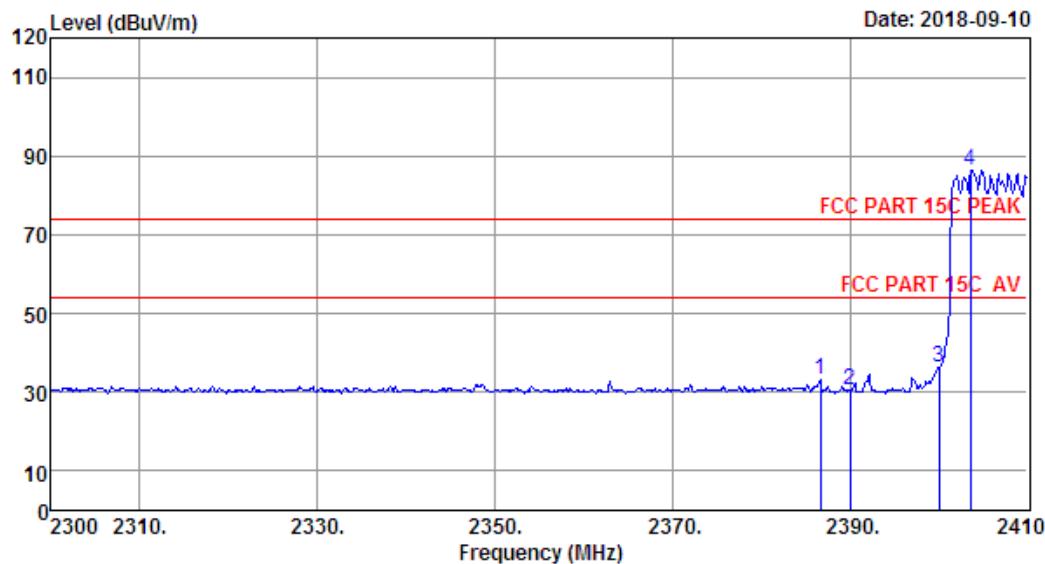
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2476.75	27.56	3.29	35.21	94.72	90.36	74.00	-16.36	Peak	
2 2483.50	27.56	3.29	35.21	34.68	30.32	74.00	43.68	Peak	
3 2495.30	27.60	3.30	35.27	37.72	33.35	74.00	40.65	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 221 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)



Site no. : 1# 966 Chamber Data no. : 221
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz(Hopping On)
 Antenna:TQC-2400-1.8DXBNC

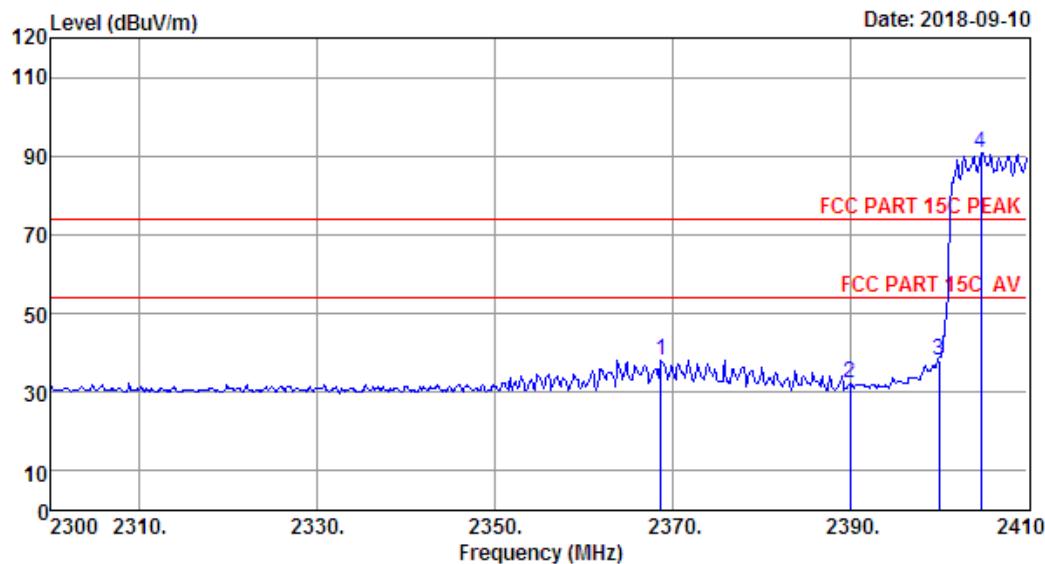
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2386.68	27.35	3.21	34.87	37.35	33.04	74.00	40.96	Peak	
2 2390.00	27.35	3.21	34.87	34.89	30.58	74.00	43.42	Peak	
3 2400.00	27.35	3.21	34.94	40.55	36.17	74.00	37.83	Peak	
4 2403.62	27.39	3.23	34.94	90.88	86.56	74.00	-12.56	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 222 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)



Site no. : 1# 966 Chamber Data no. : 222
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2402MHz(Hopping On)
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2368.75	27.31	3.20	34.80	42.56	38.27	74.00	35.73	Peak	
2 2390.00	27.35	3.21	34.87	36.73	32.42	74.00	41.58	Peak	
3 2400.00	27.35	3.21	34.94	42.52	38.14	74.00	35.86	Peak	
4 2404.72	27.39	3.23	34.94	95.24	90.92	74.00	-16.92	Peak	

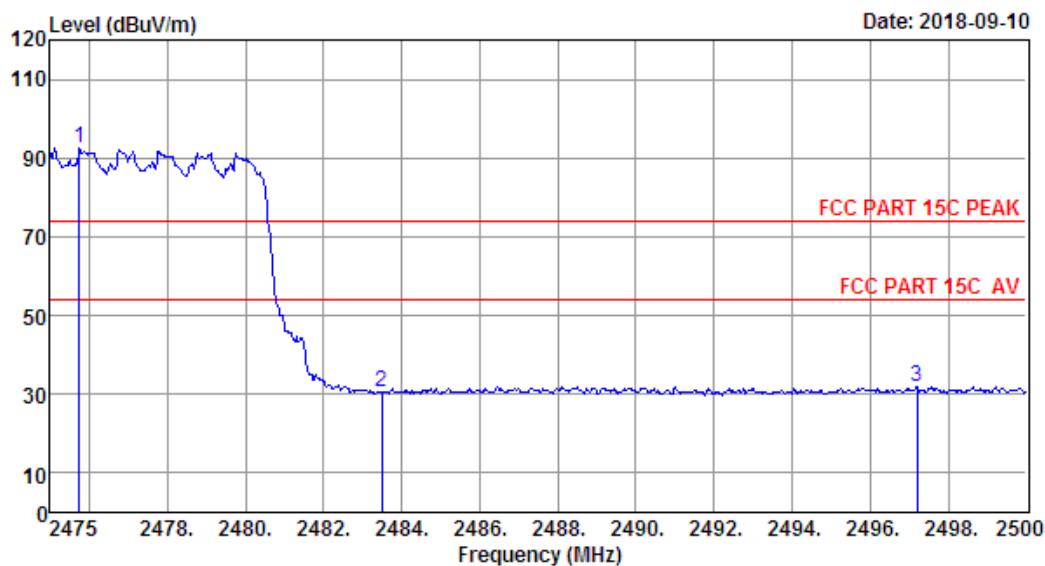
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 223 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



Site no. : 1# 966 Chamber Data no. : 223
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz(Hopping On)
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2475.75	27.56	3.29	35.21	96.89	92.53	74.00	-18.53	Peak	
2 2483.50	27.56	3.29	35.21	34.98	30.62	74.00	43.38	Peak	
3 2497.20	27.60	3.30	35.27	36.47	32.10	74.00	41.90	Peak	

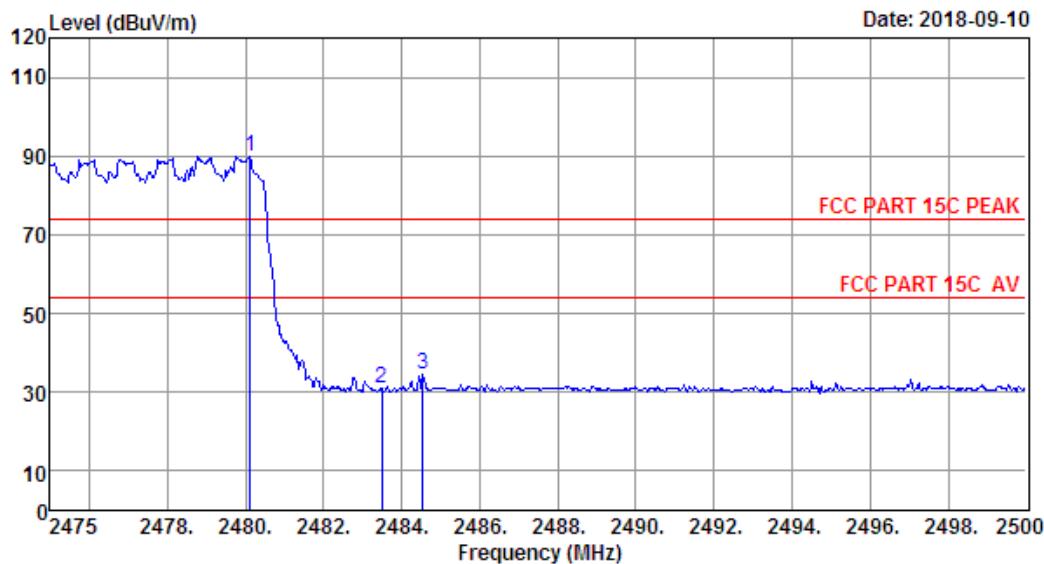
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 224 File: \Emc-966-1\test data\2018\RF\Inmusic.EM6 (234)

Date: 2018-09-10



Site no. : 1# 966 Chamber Data no. : 224
 Dis. / Ant. : 3m ANT9120D 1-18G Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : Temp:24.3';Humi:50%;Press:101.52kPa
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : 8-DPSK TX 2480MHz(Hopping On)
 Antenna:TQC-2400-1.8DXBNC

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission					Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1 2480.13	27.56	3.29	35.21	94.19	89.83	74.00	-15.83	Peak	
2 2483.50	27.56	3.29	35.21	35.47	31.11	74.00	42.89	Peak	
3 2484.55	27.56	3.29	35.21	38.90	34.54	74.00	39.46	Peak	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

11. POWER LINE CONDUCTED EMISSIONS

11.1. Limit

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

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

2. The lower limit shall apply at the transition frequencies.

11.2. 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.

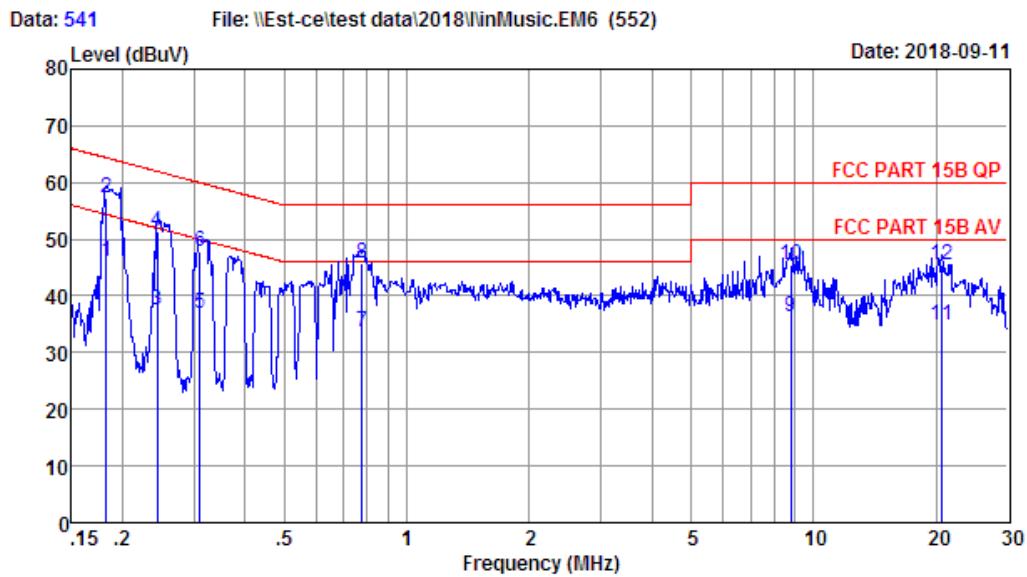
11.3. Test Result

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

11.4. Test data

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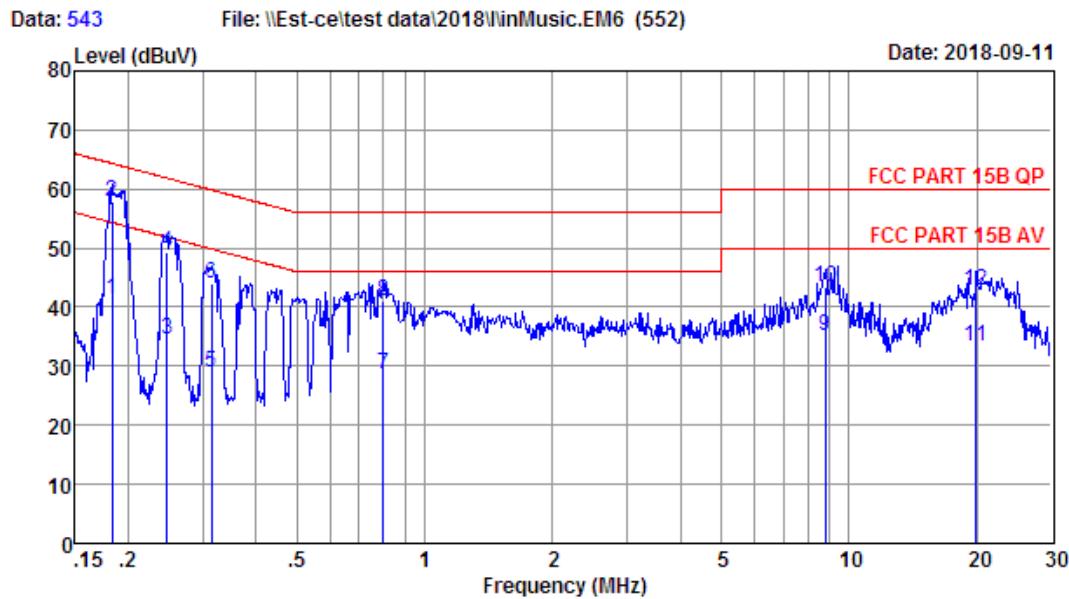
Site no : 844 Shield Room Data no. : 541
Env. / Ins. : Temp:23.4'C Humi:49% Press:101.50kPa LINE Phase : LINE
Limit : FCC PART 15B QP
Engineer : Viking
EUT : CD player
Power : AC 120V/60Hz
M/N : DN-700CB
Test Mode : TX Mode

Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1 0.182	9.73	9.77	26.43	45.93	54.37	8.44	Average
2 0.182	9.73	9.77	37.69	57.19	64.37	7.18	QP
3 0.243	9.72	9.92	17.90	37.54	52.00	14.46	Average
4 0.243	9.72	9.92	31.81	51.45	62.00	10.55	QP
5 0.310	9.72	9.92	17.30	36.94	49.97	13.03	Average
6 0.310	9.72	9.92	28.23	47.87	59.97	12.10	QP
7 0.775	9.72	9.93	13.93	33.58	46.00	12.42	Average
8 0.775	9.72	9.93	26.24	45.89	56.00	10.11	QP
9 8.776	9.81	10.05	16.43	36.29	50.00	13.71	Average
10 8.776	9.81	10.05	25.63	45.49	60.00	14.51	QP
11 20.594	10.07	10.16	14.67	34.90	50.00	15.10	Average
12 20.594	10.07	10.16	25.09	45.32	60.00	14.68	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

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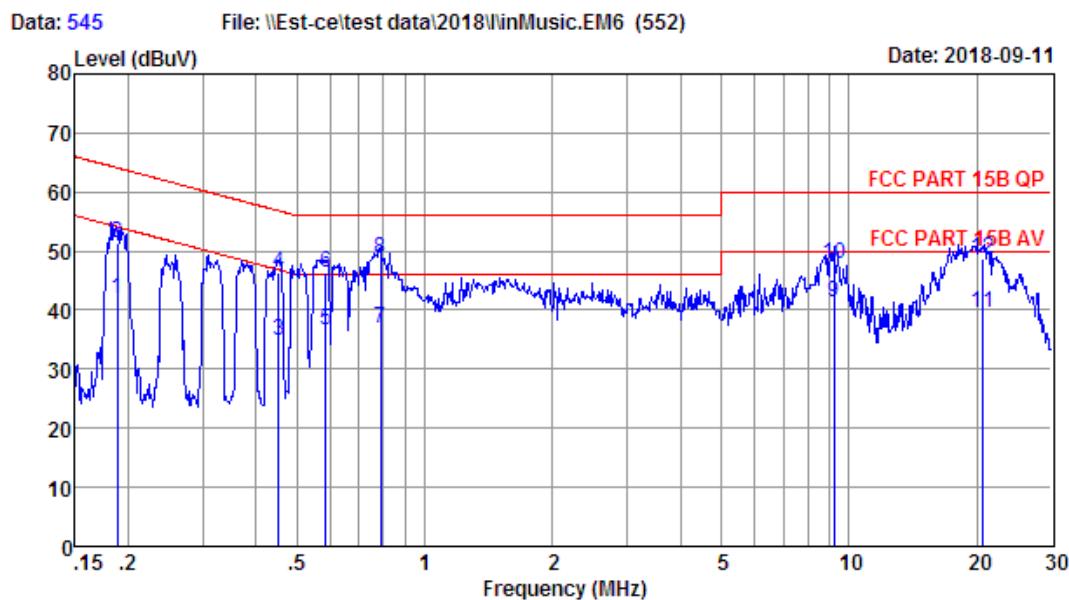
Site no : 844 Shield Room Data no. : 543
 Env. / Ins. : Temp:23.4'C Humi:49% Press:101.50kPa LINE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Viking
 EUT : CD player
 Power : AC 120V/60Hz
 M/N : DN-700CB
 Test Mode : TX Mode

	LISN	Cable	Emission					
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)		
1	0.183	9.62	9.77	22.04	41.43	54.33	12.90	Average
2	0.183	9.62	9.77	38.40	57.79	64.33	6.54	QP
3	0.247	9.62	9.92	14.90	34.44	51.86	17.42	Average
4	0.247	9.62	9.92	29.83	49.37	61.86	12.49	QP
5	0.315	9.63	9.92	9.30	28.85	49.84	20.99	Average
6	0.315	9.63	9.92	24.44	43.99	59.84	15.85	QP
7	0.800	9.70	9.93	8.93	28.56	46.00	17.44	Average
8	0.800	9.70	9.93	21.54	41.17	56.00	14.83	QP
9	8.776	10.00	10.05	15.06	35.11	50.00	14.89	Average
10	8.776	10.00	10.05	23.36	43.41	60.00	16.59	QP
11	19.950	10.18	10.16	13.15	33.49	50.00	16.51	Average
12	19.950	10.18	10.16	22.60	42.94	60.00	17.06	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector,
 the EUT shall be deemed to meet both limits and measurement
 with average detector is unnecessary.

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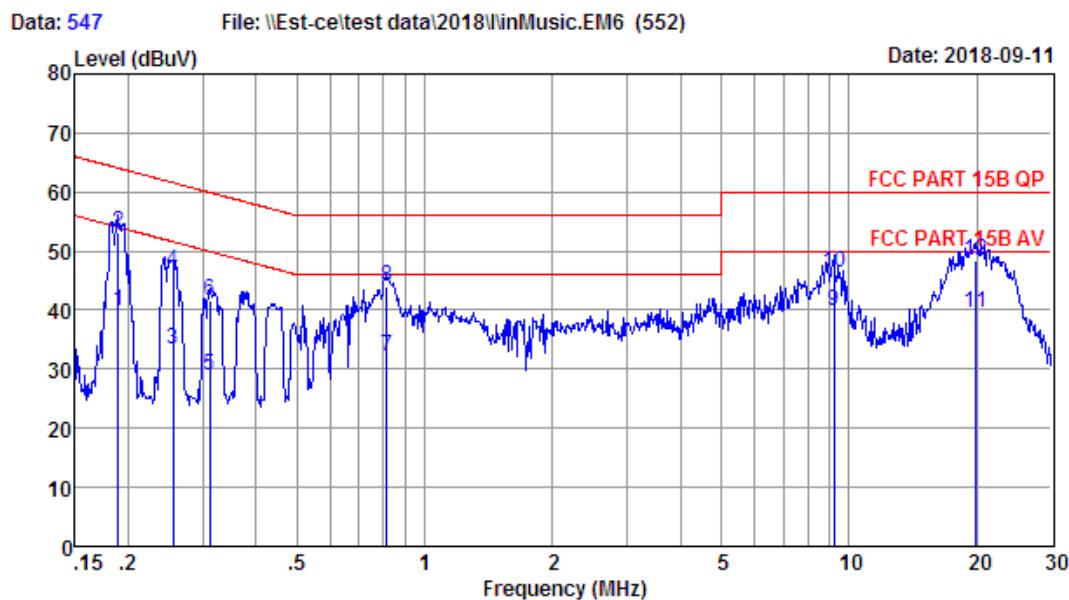
Site no : 844 Shield Room Data no. : 545
 Env. / Ins. : Temp:23.4'C Humi:49% Press:101.50kPa LINE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Viking
 EUT : CD player
 Power : AC 240V/60Hz
 M/N : DN-700CB
 Test Mode : TX Mode

	LISN Freq. (MHz)	Cable Factor (dB)	Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.188	9.73	9.77	22.43	41.93	54.11	12.18	Average
2	0.188	9.73	9.77	31.97	51.47	64.11	12.64	QP
3	0.452	9.72	9.92	15.20	34.84	46.85	12.01	Average
4	0.452	9.72	9.92	26.62	46.26	56.85	10.59	QP
5	0.585	9.72	9.92	17.05	36.69	46.00	9.31	Average
6	0.585	9.72	9.92	26.75	46.39	56.00	9.61	QP
7	0.788	9.72	9.93	17.33	36.98	46.00	9.02	Average
8	0.788	9.72	9.93	28.98	48.63	56.00	7.37	QP
9	9.204	9.81	10.06	21.59	41.46	50.00	8.54	Average
10	9.204	9.81	10.06	27.97	47.84	60.00	12.16	QP
11	20.704	10.07	10.15	19.20	39.42	50.00	10.58	Average
12	20.704	10.07	10.15	28.58	48.80	60.00	11.20	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
 2. Margin= Limit - Emission Level.
 3. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

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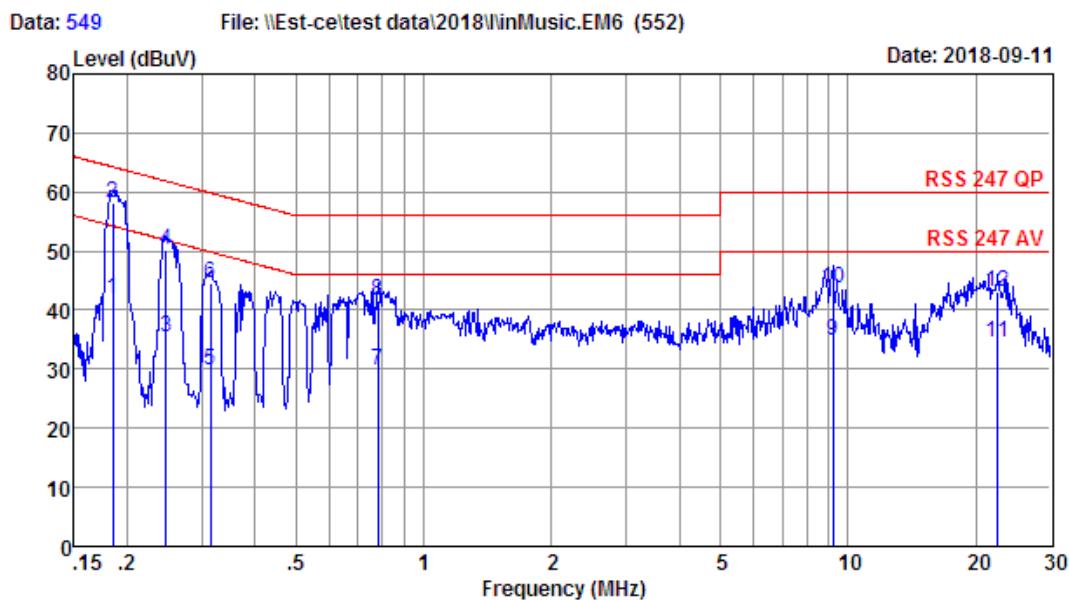
Site no : 844 Shield Room Data no. : 547
Env. / Ins. : Temp:23.4'C Humi:49% Press:101.50kPa LINE Phase : NEUTRAL
Limit : FCC PART 15B QP
Engineer : Viking
EUT : CD player
Power : AC 240V/60Hz
M/N : DN-700CB
Test Mode : TX Mode

	LISN Freq. (MHz)	Cable Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.189	9.62	9.77	20.43	39.82	54.06	14.24	Average
2	0.189	9.62	9.77	33.70	53.09	64.06	10.97	QP
3	0.255	9.62	9.92	13.90	33.44	51.60	18.16	Average
4	0.255	9.62	9.92	27.01	46.55	61.60	15.05	QP
5	0.312	9.63	9.92	9.30	28.85	49.93	21.08	Average
6	0.312	9.63	9.92	22.16	41.71	59.93	18.22	QP
7	0.813	9.70	9.93	12.57	32.20	46.00	13.80	Average
8	0.813	9.70	9.93	24.30	43.93	56.00	12.07	QP
9	9.204	10.00	10.06	19.69	39.75	50.00	10.25	Average
10	9.204	10.00	10.06	26.38	46.44	60.00	13.56	QP
11	19.950	10.18	10.16	19.15	39.49	50.00	10.51	Average
12	19.950	10.18	10.16	27.99	48.33	60.00	11.67	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

EST Technology

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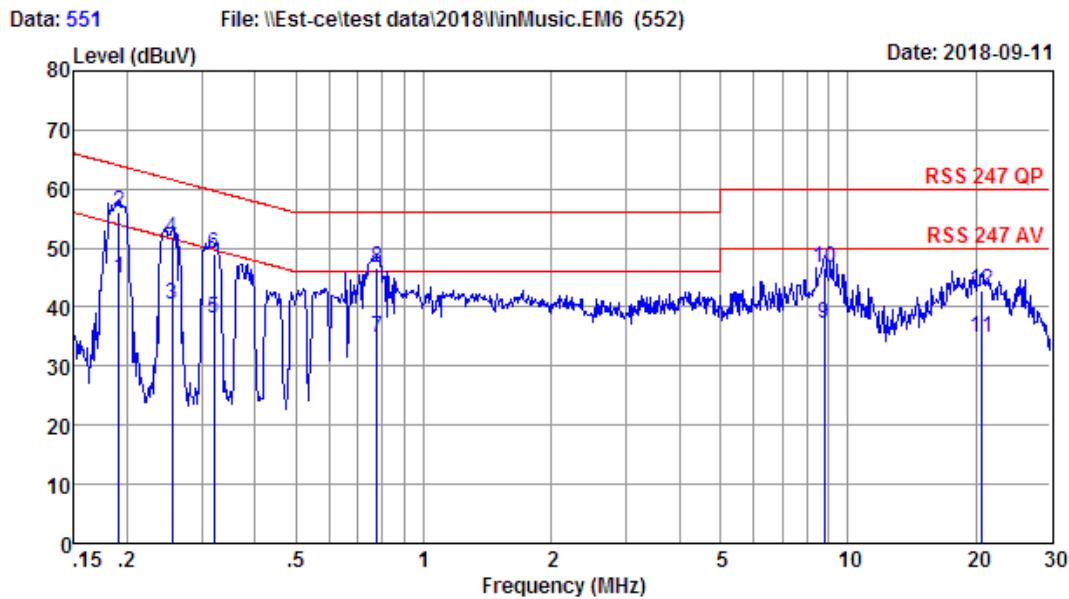
Site no : 844 Shield Room Data no. : 549
Env. / Ins. : Temp:23.4'C Humi:49% Press:101.50kPa LINE Phase : NEUTRAL
Limit : RSS 247 QP
Engineer : Viking
EUT : CD player
Power : AC 120V/60Hz
M/N : DN-700CB
Test Mode : RX Mode

	LISN Freq. (MHz)	Cable Factor (dB)	Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.185	9.62	9.77	22.43	41.82	54.24	12.42	Average
2	0.185	9.62	9.77	38.80	58.19	64.24	6.05	QP
3	0.247	9.62	9.92	15.90	35.44	51.86	16.42	Average
4	0.247	9.62	9.92	30.77	50.31	61.86	11.55	QP
5	0.315	9.63	9.92	10.30	29.85	49.84	19.99	Average
6	0.315	9.63	9.92	25.02	44.57	59.84	15.27	QP
7	0.779	9.70	9.93	10.26	29.89	46.00	16.11	Average
8	0.779	9.70	9.93	21.92	41.55	56.00	14.45	QP
9	9.204	10.00	10.06	14.69	34.75	50.00	15.25	Average
10	9.204	10.00	10.06	23.50	43.56	60.00	16.44	QP
11	22.535	10.20	10.16	14.22	34.58	50.00	15.42	Average
12	22.535	10.20	10.16	22.61	42.97	60.00	17.03	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

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Site no : 844 Shield Room Data no. : 551
Env. / Ins. : Temp:23.4'C Humi:49% Press:101.50kPa LINE Phase : LINE
Limit : RSS 247 QP
Engineer : Viking
EUT : CD player
Power : AC 120V/60Hz
M/N : DN-700CB
Test Mode : RX Mode

	LISN Freq. (MHz)	Cable Factor (dB)	Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.191	9.73	9.77	25.43	44.93	53.98	9.05	Average
2	0.191	9.73	9.77	36.55	56.05	63.98	7.93	QP
3	0.255	9.72	9.92	20.90	40.54	51.60	11.06	Average
4	0.255	9.72	9.92	32.13	51.77	61.60	9.83	QP
5	0.320	9.72	9.92	18.33	37.97	49.71	11.74	Average
6	0.320	9.72	9.92	29.23	48.87	59.71	10.84	QP
7	0.775	9.72	9.93	15.33	34.98	46.00	11.02	Average
8	0.775	9.72	9.93	26.94	46.59	56.00	9.41	QP
9	8.776	9.81	10.05	17.43	37.29	50.00	12.71	Average
10	8.776	9.81	10.05	26.83	46.69	60.00	13.31	QP
11	20.594	10.07	10.16	14.67	34.90	50.00	15.10	Average
12	20.594	10.07	10.16	22.67	42.90	60.00	17.10	QP

Remarks: 1. Emission Level = LISN Factor + Cable Loss + Reading.
2. Margin = Limit - Emission Level.
3. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

12. ANTENNA REQUIREMENTS

12.1 Limit

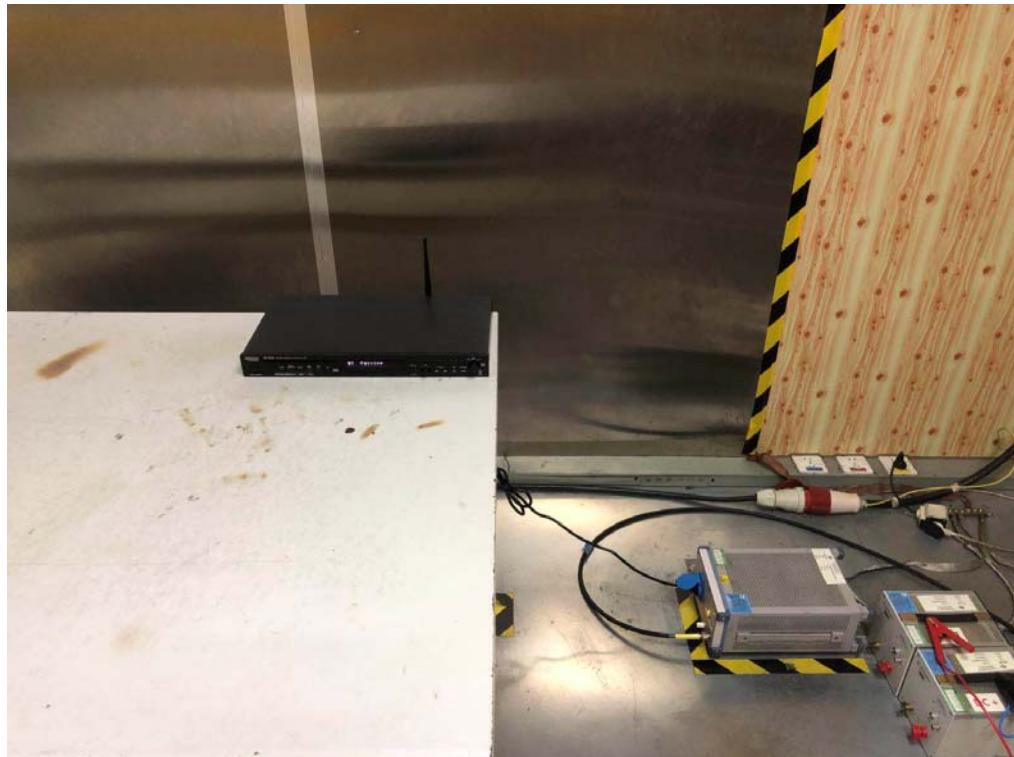
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional 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.

12.2 Result

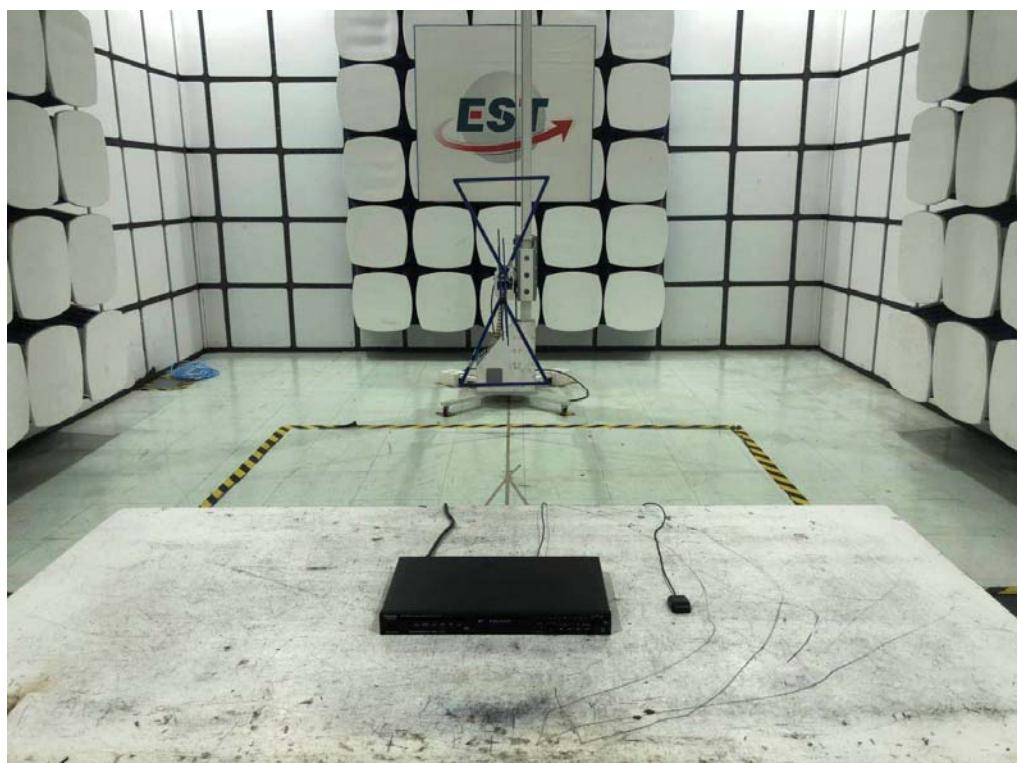
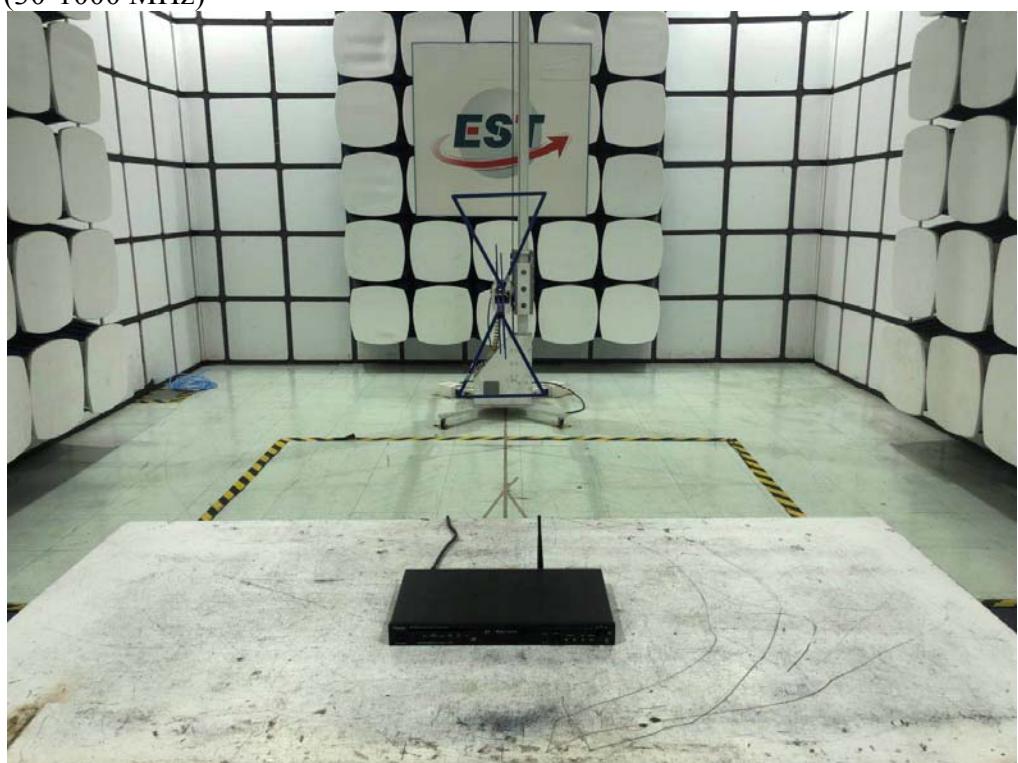
The antennas used for this product are External antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 2.5dBi.

13. TEST SETUP PHOTO

Conducted Test



Radiated Test (30-1000 MHz)



Radiated Test (Above 1GHz)



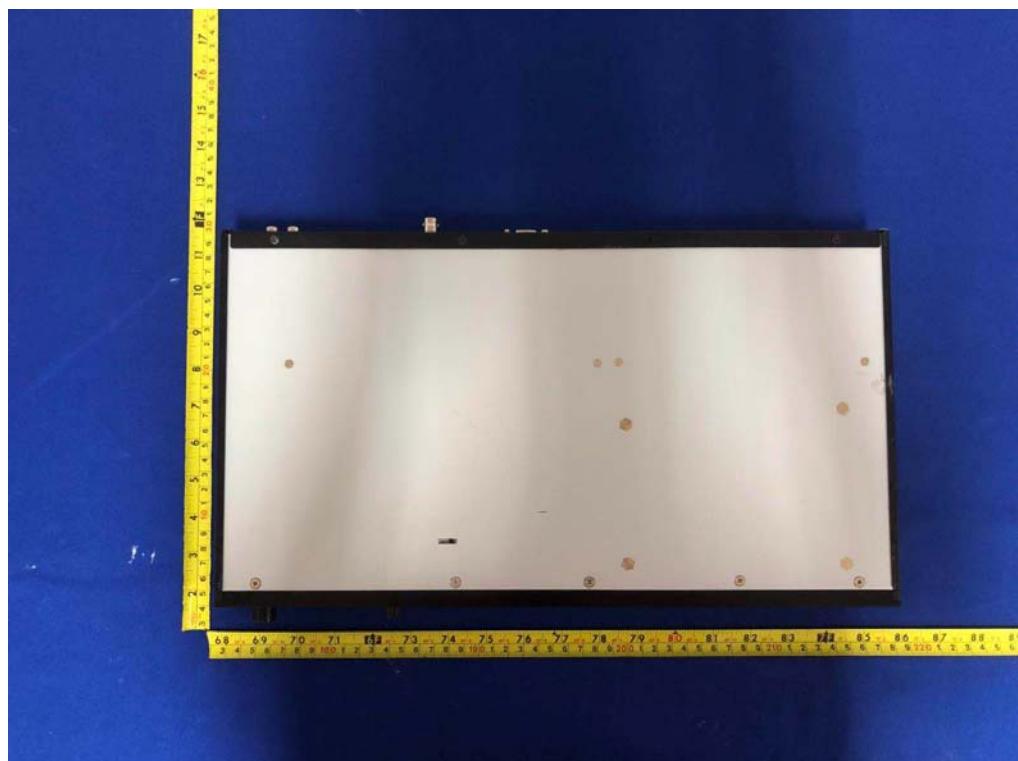
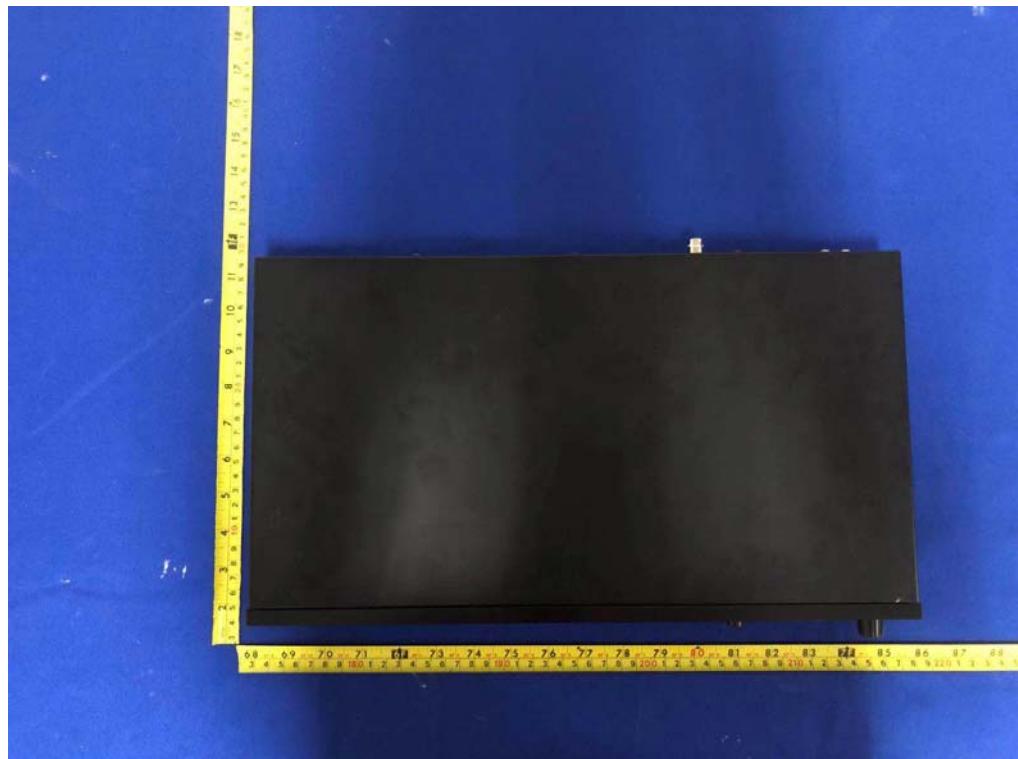
14.PHOTO EUT

External Photos

M/N: DN-700CB



External Photos
M/N: DN-700CB



External Photos
M/N: DN-700CB



External Photos
M/N: DN-700CB

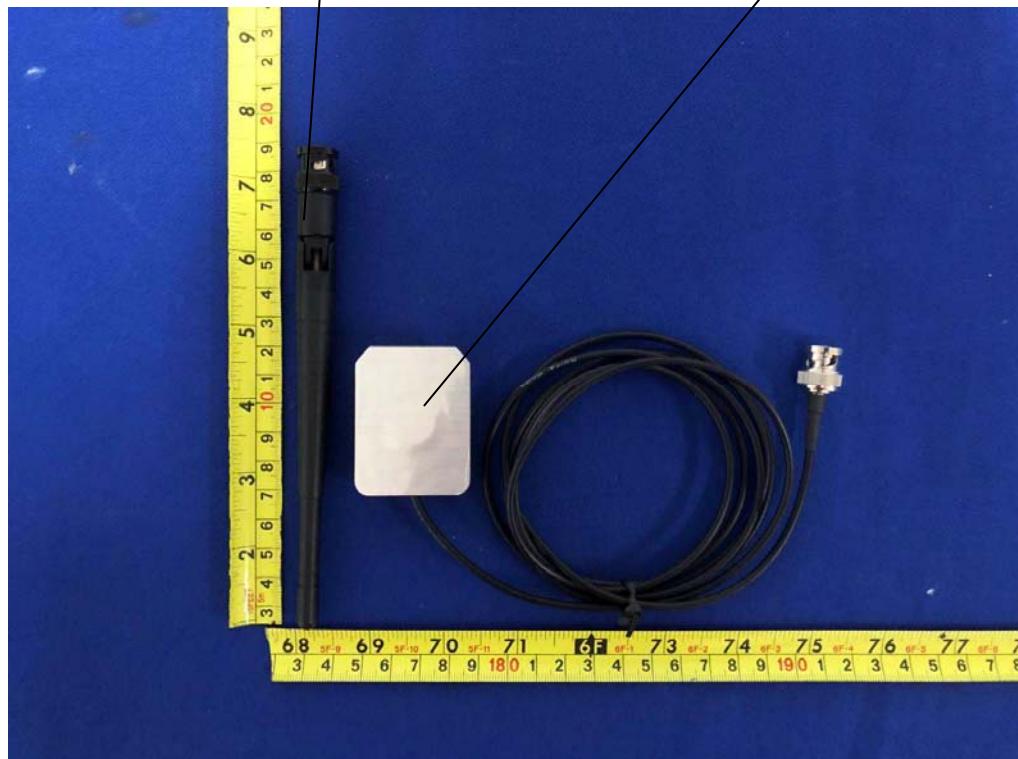


External Photos
M/N: DN-700CB

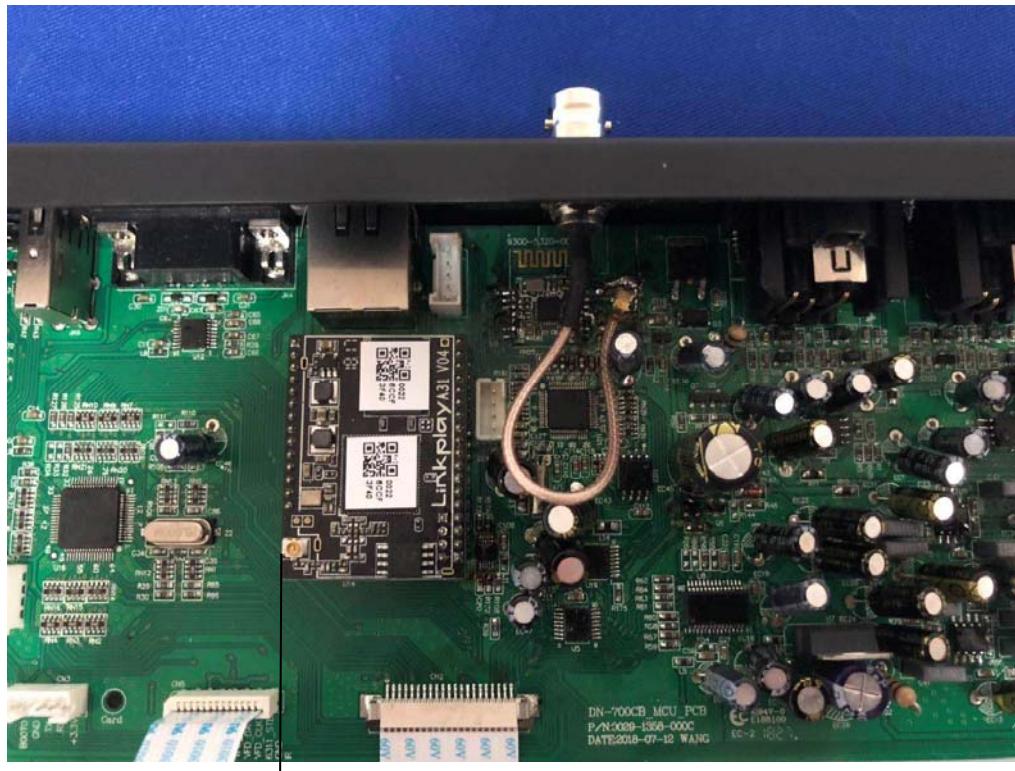
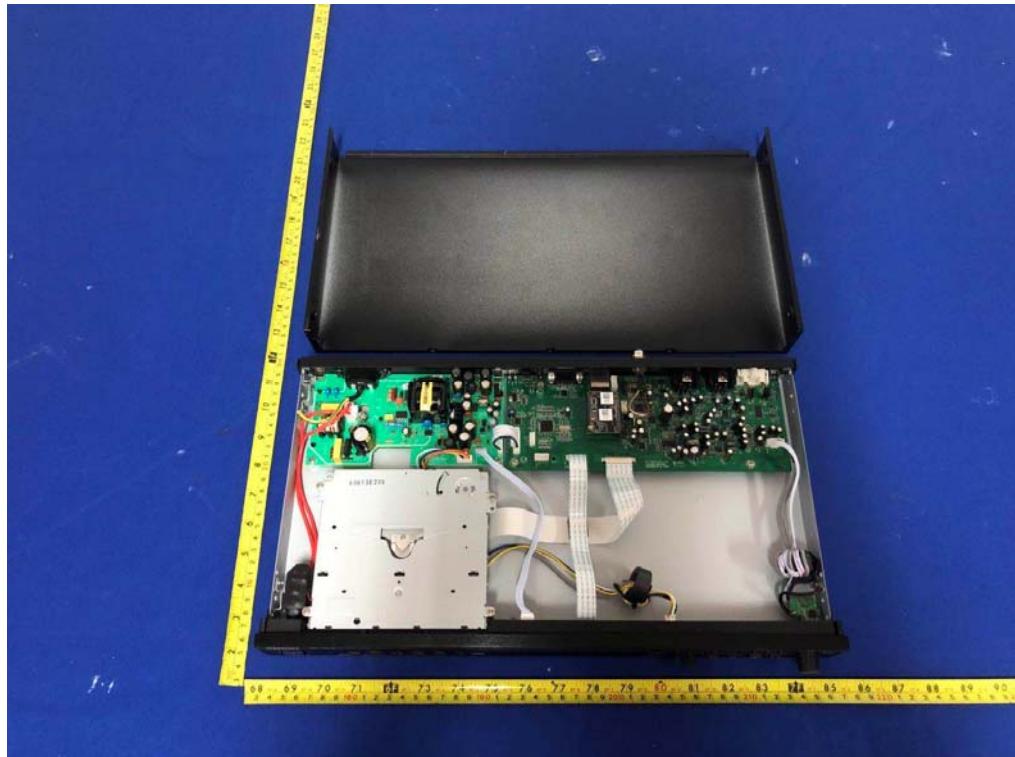


Antenna 1

Antenna 2

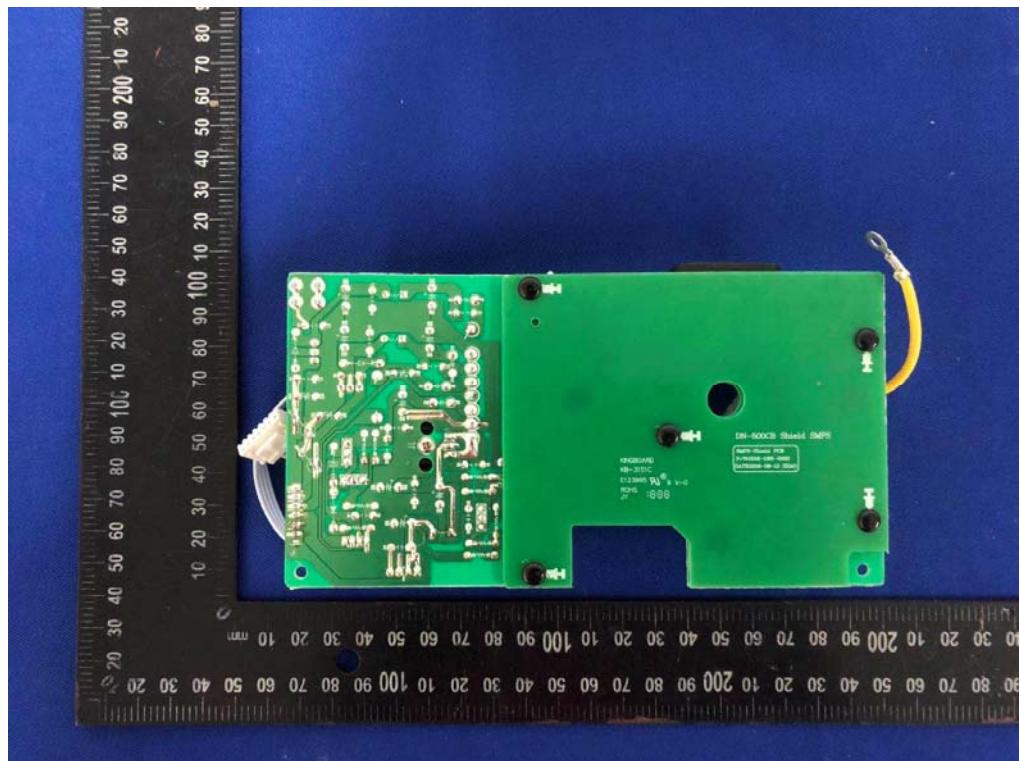
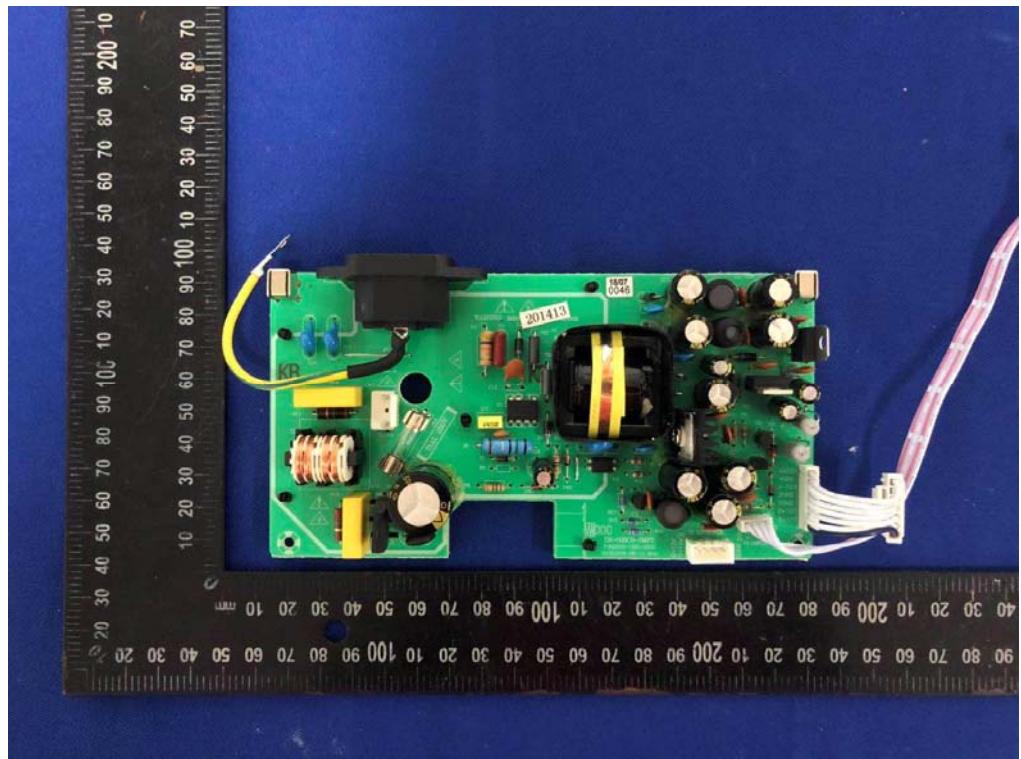


Internal Photos
M/N: DN-700CB

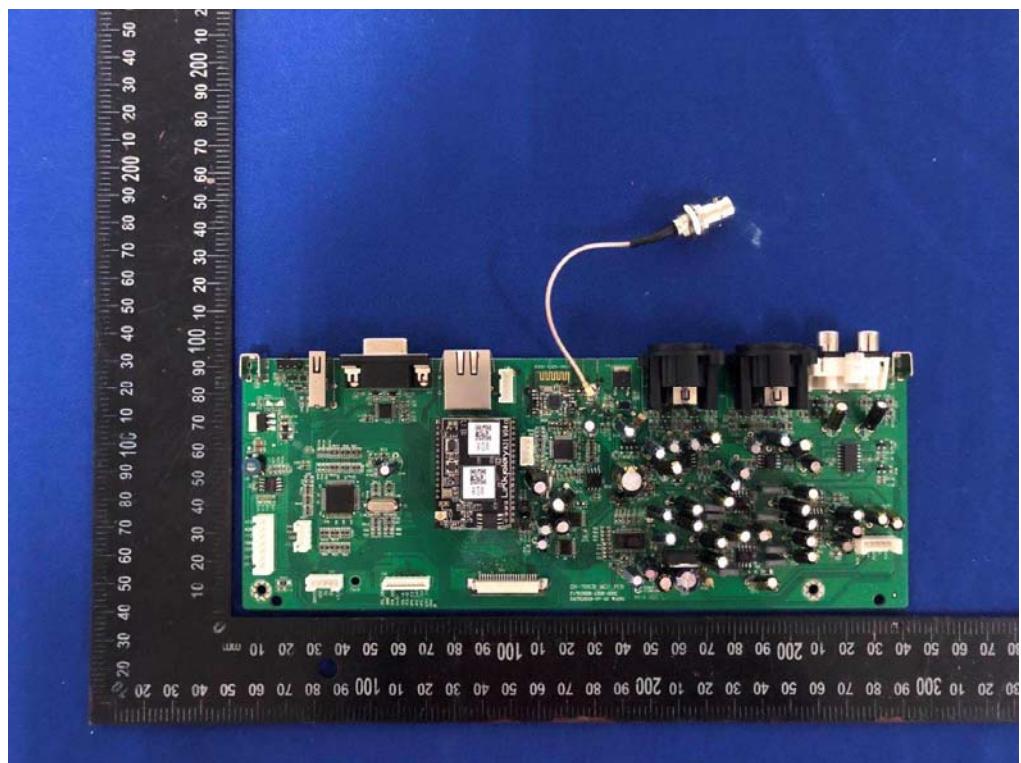
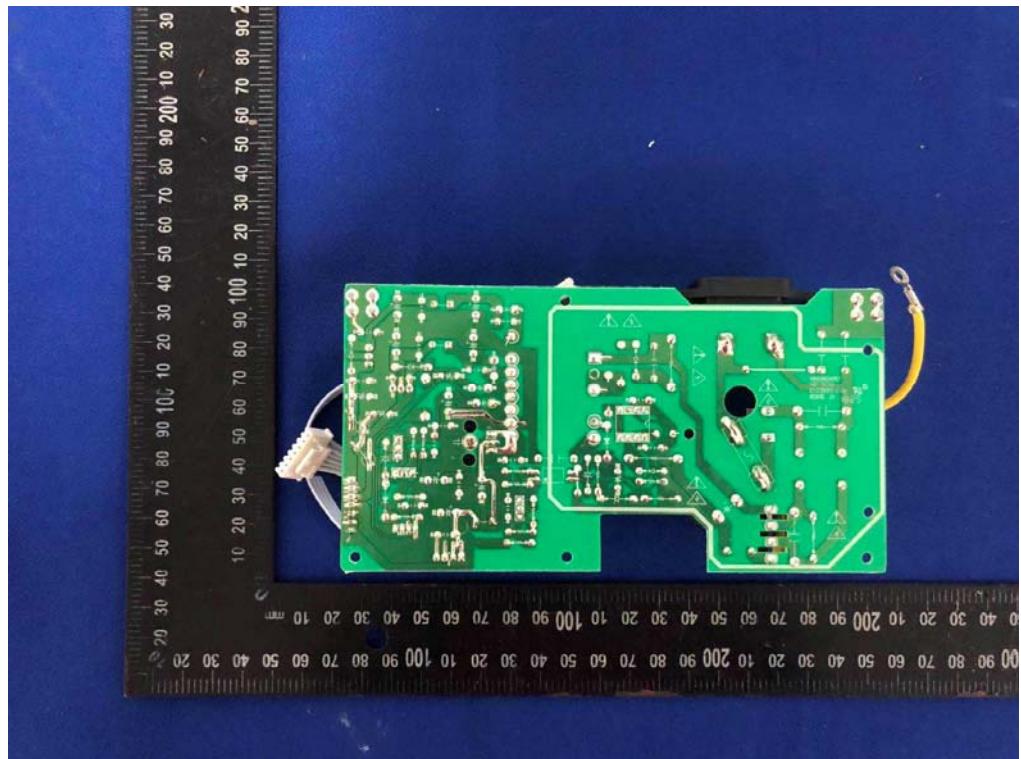


This is Wi-Fi module, But closed Wi-Fi function on this product, only used the RJ45 ethernet function. The Wi-Fi function has been closed, and this ipex connector have not used.

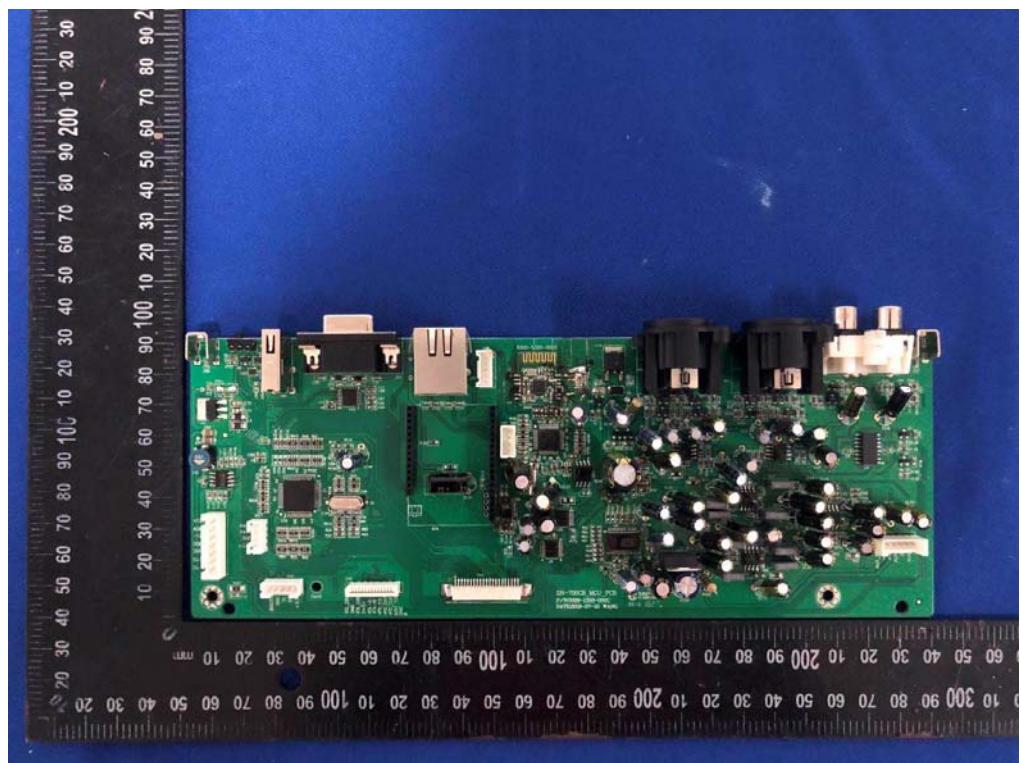
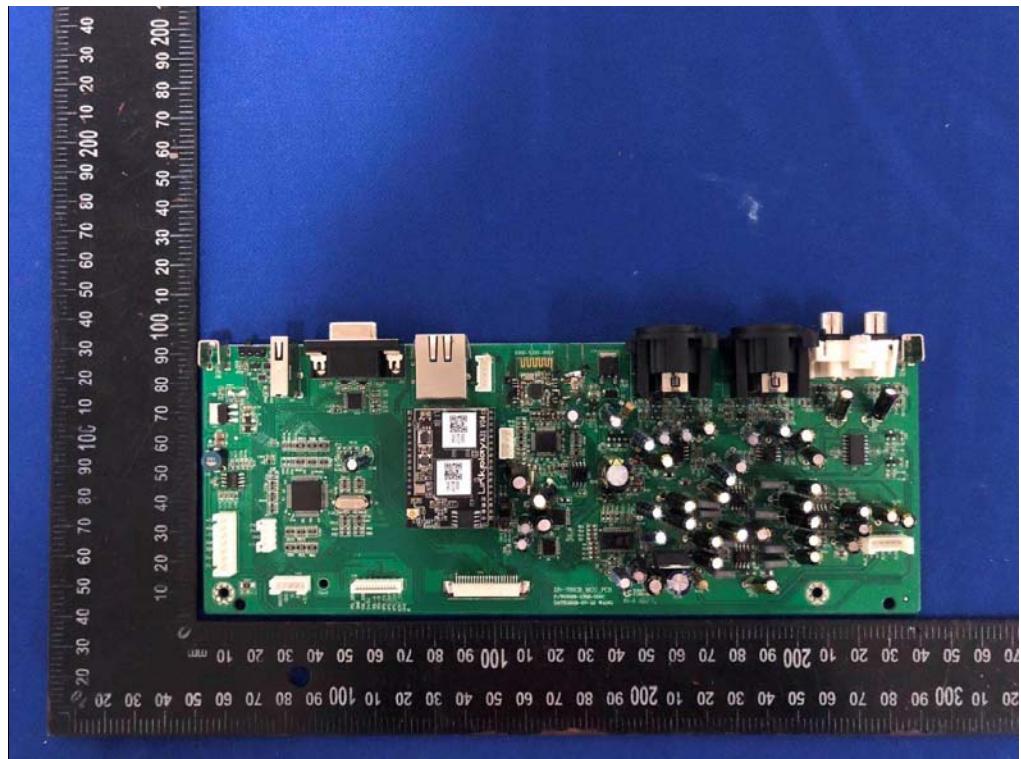
Internal Photos
M/N: DN-700CB



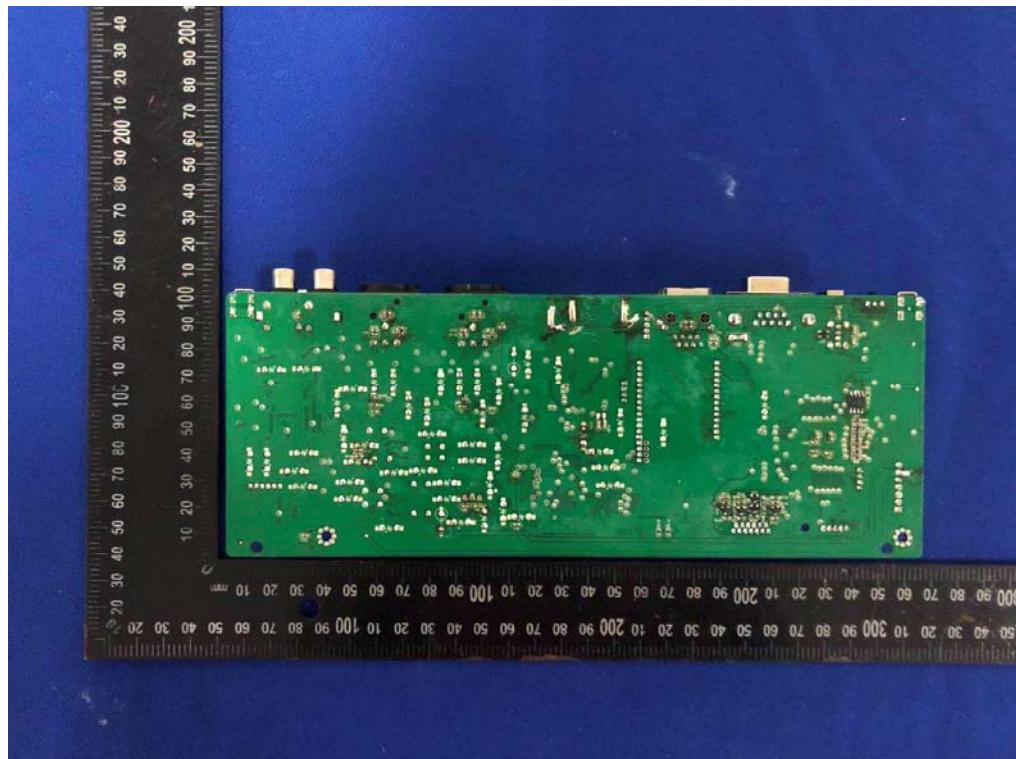
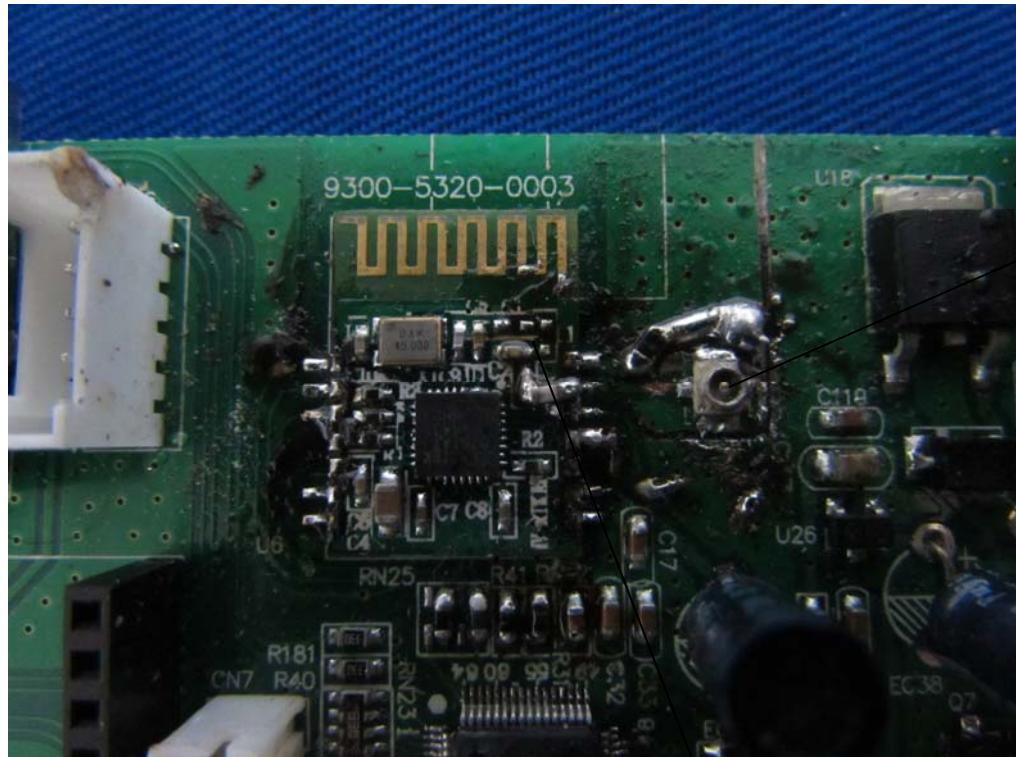
Internal Photos
M/N: DN-700CB



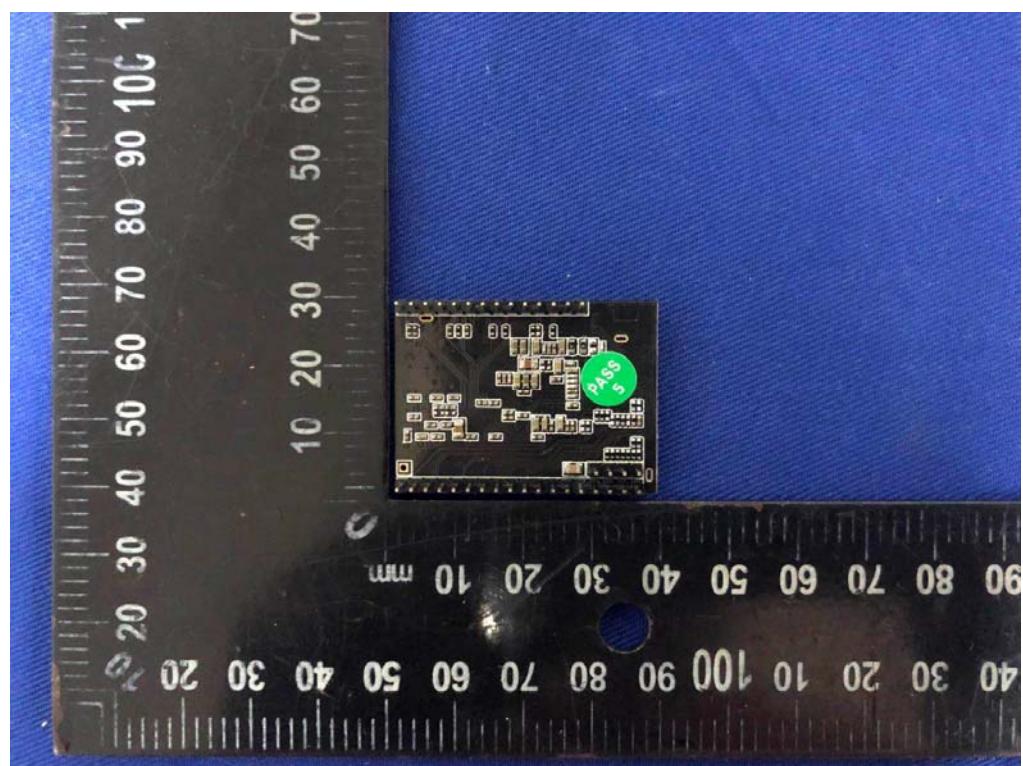
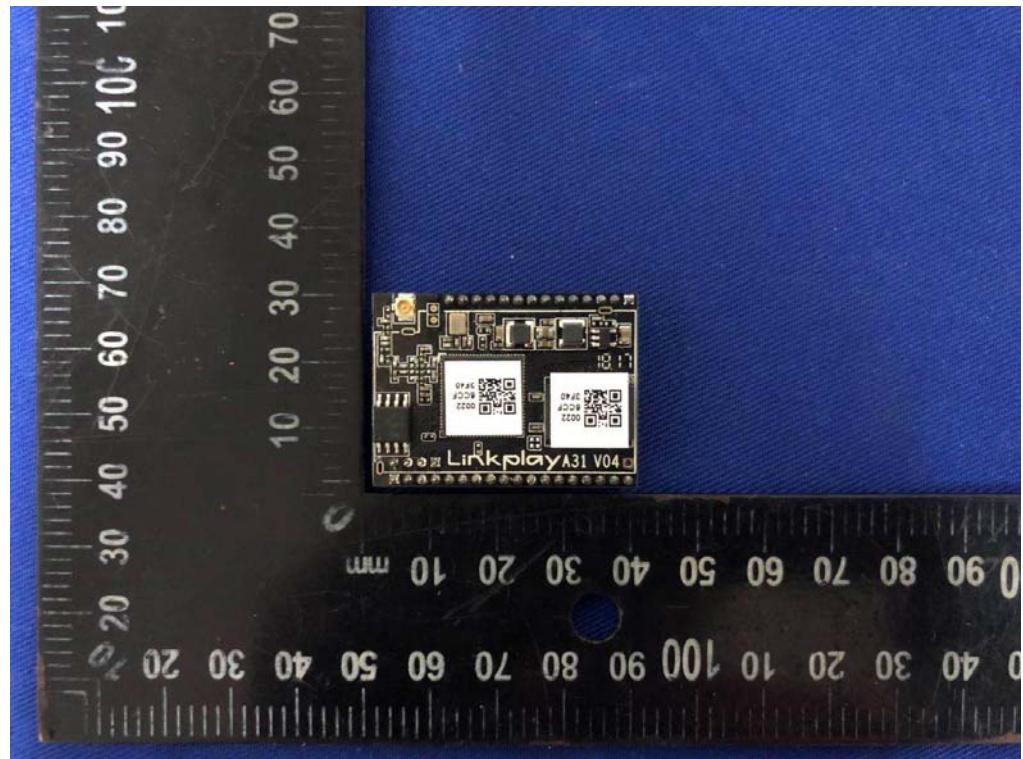
Internal Photos
M/N: DN-700CB



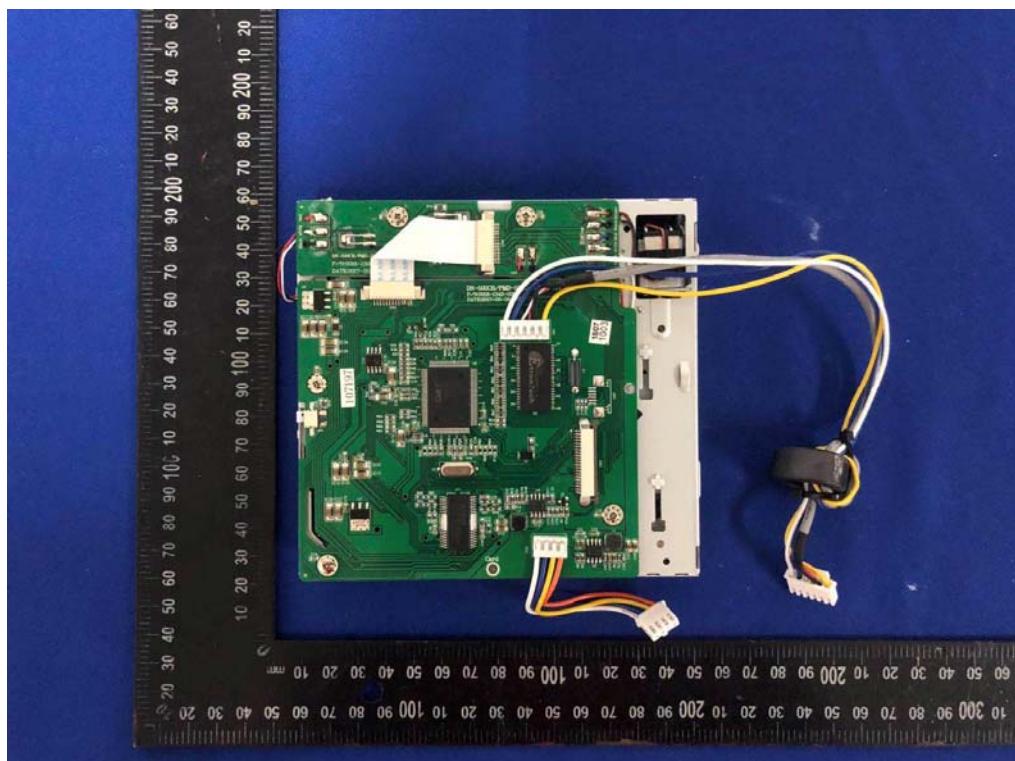
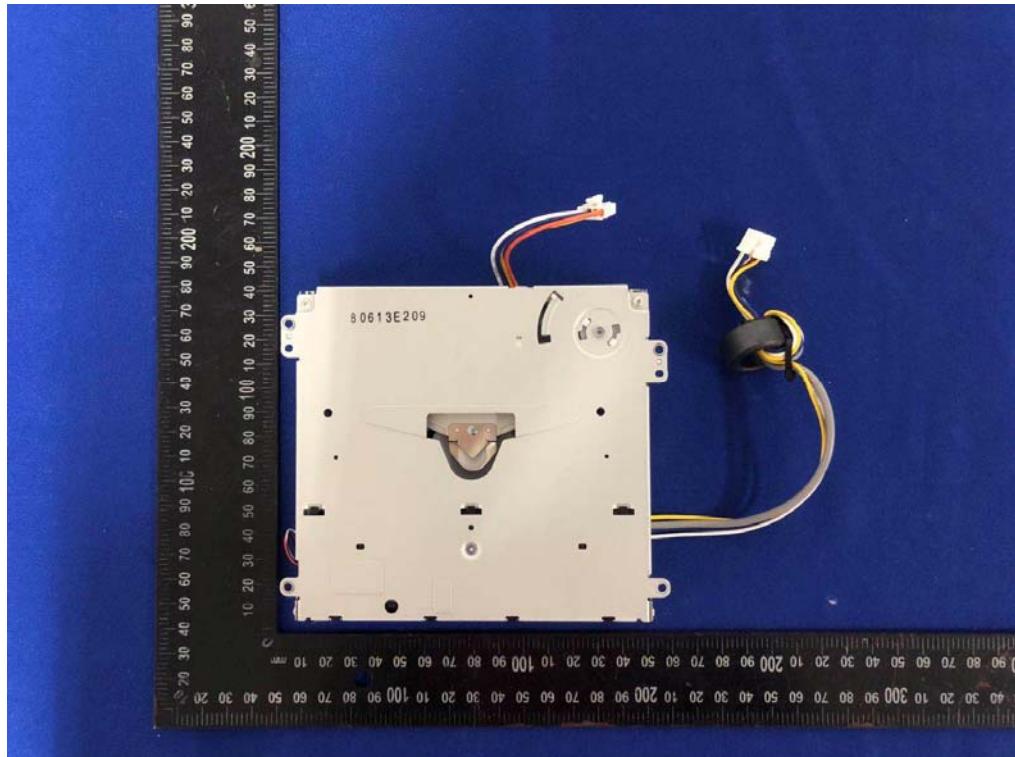
Internal Photos
M/N: DN-700CB



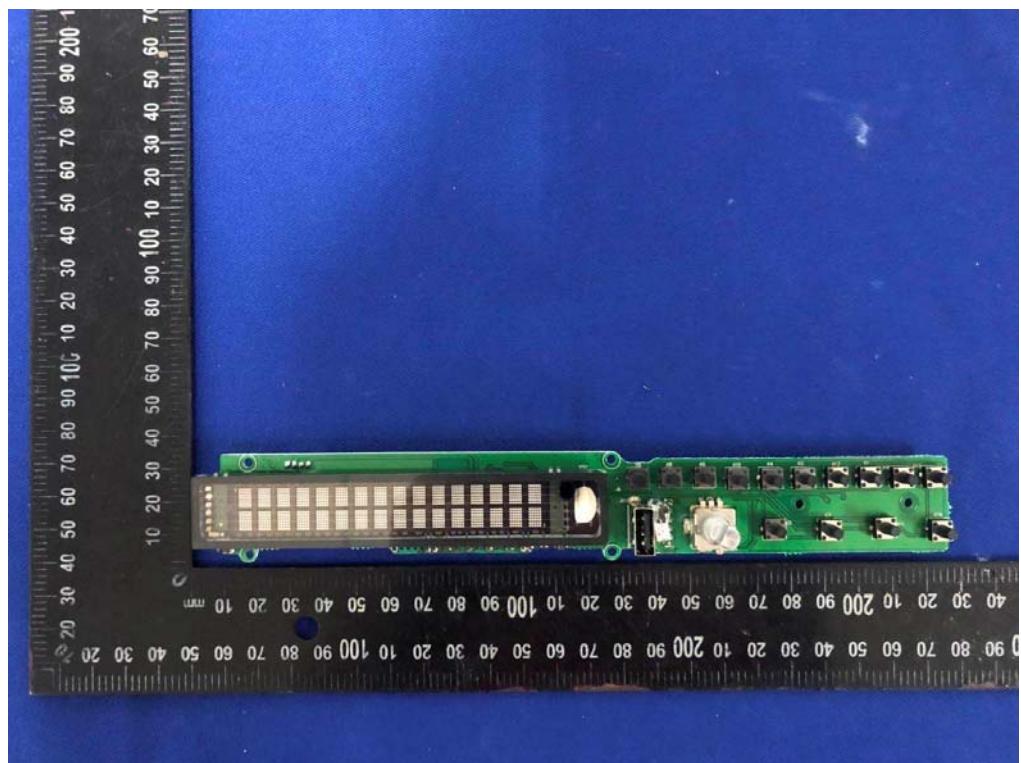
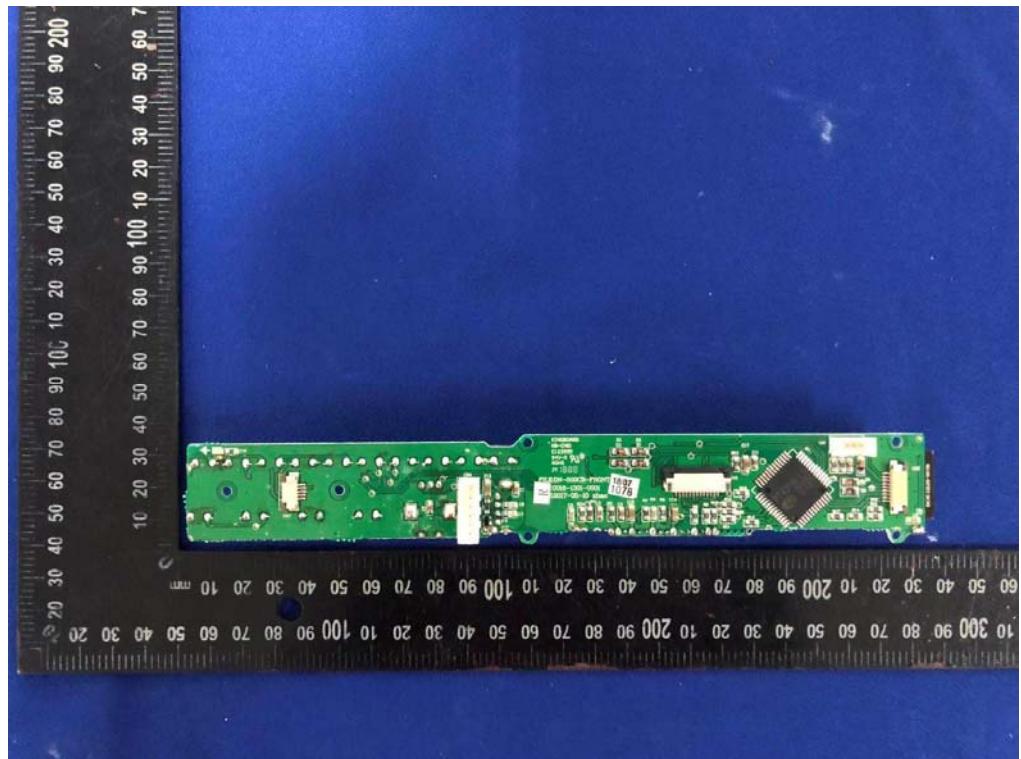
Internal Photos
M/N: DN-700CB



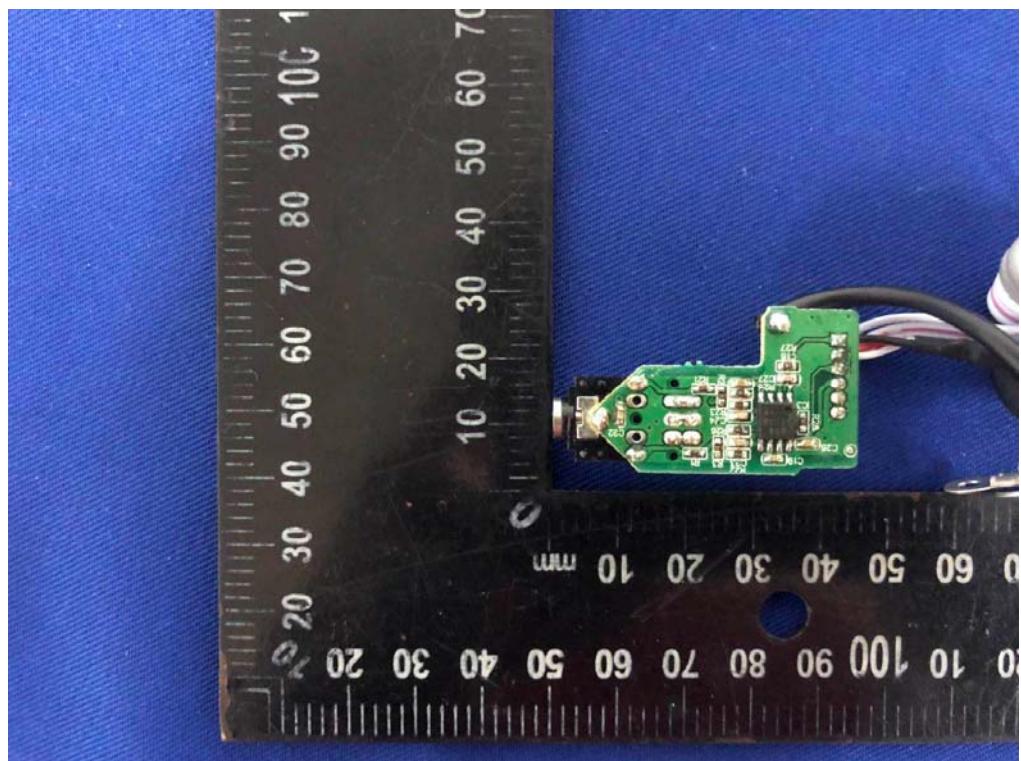
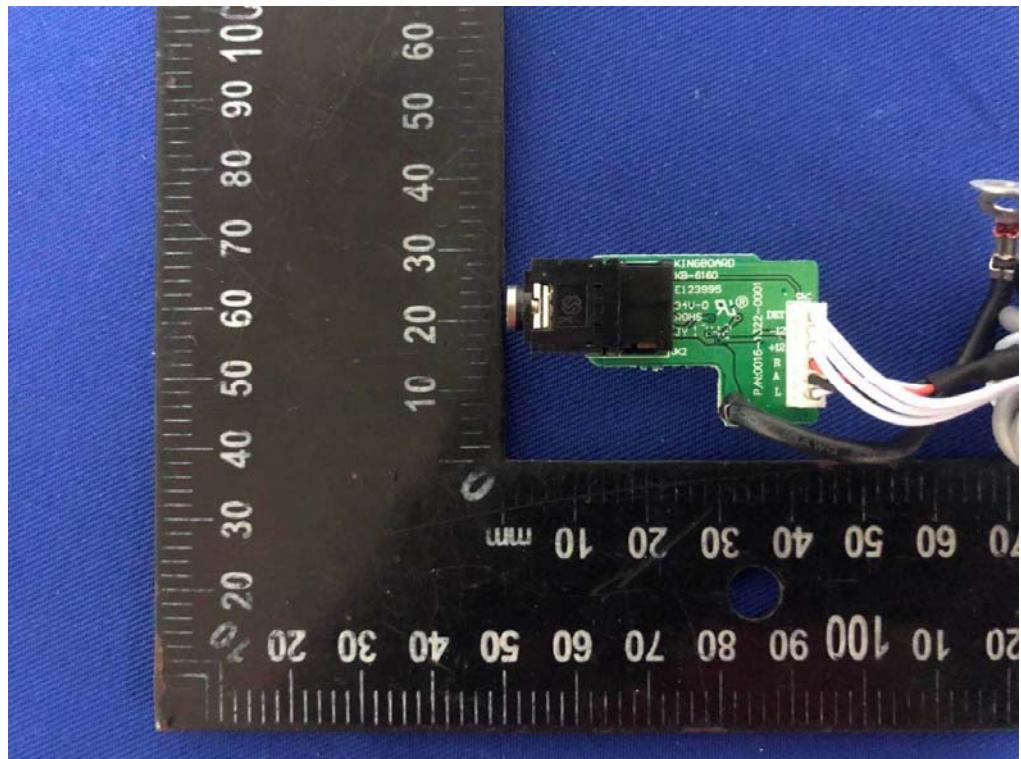
Internal Photos
M/N: DN-700CB



Internal Photos
M/N: DN-700CB



Internal Photos
M/N: DN-700CB



Internal Photos
M/N: DN-700CB

