FCC PART 15C TEST REPORT FOR CERTIFICATION On Behalf of

HUIZHOU FORYOU GENERAL ELECTRONICS CO.,LTD.

Car Multimedia Player

Model Number: VX3014

FCC ID: 2AEIN-VX3014

Prepared for: HUIZHOU FORYOU GENERAL ELECTRONICS CO.,LTD.

North Shangxia Road, Dongjiang Hi tech Industry Park, Huizhou,

China

Prepared By: EST Technology Co., Ltd.

Santun(guantai Road), Houjie Town, DongGuan City, GuangDong,

China.

Tel: 86-769-83081888-808

Report Number: ESTE-R1601012

Date of Test : January 08,2016~January 16,2016

Date of Report: January 18,2016

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Test Report Verification

	rest Keport	V CI III CUI CIII				
Applicant: Address:	HUIZHOU FORYOU GENERAL ELECTRONICS CO.,LTD. North Shangxia Road, Dongjiang Hi tech Industry Park, Huizhou, China					
		U GENERAL ELECTI	RONICS CO. LTD			
Manufacturer			ndustry Park, Huizhou,			
Address:	China	a, Dongjiang in teen n	industry Turk, Huizilou,			
E.U.T:		Car Multimedia Player				
Model Number:	VX3014					
Power Supply:	DC 12V					
Test Voltage:	DC 12V					
Trade Name:	JENSEN	Serial No.:				
Date of Receipt:	January 08,2016	Date of Test:	January 08,2016~January 16,2016			
Test Specification:	FCC Rules and Regu ANSI C63.10:2013	ulations Part 15 Subpar	t C:2015			
Test Result:	The measurement re Technology Co., Ltd accuracy and comple shows that the EUT Rules and Regulation This report applies to	sults were contained in l. was assumed full resp	rements. Also, this report liance with the FCC equirements.			
Prepared by:	Tested	by:	Approved by			
Ada	Lo	my	Trementhe			
Ada / Assistant	Tony. Tan	g/ Engineer	IcemanHu / Manager			
Other Aspects: None.						
Abbreviations: OK/P=pass	sed fail/F=failed	n.a/N=not applicable H	E.U.T=equipment under tested			
		sample of above mentioned of EST Technology Co., Ltd.	products ,It is not permitted			



1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Product Name : Car Multimedia Player

Model Number : VX3014

FCC ID : 2AEIN-VX3014

Operation frequency : 2402MHz~2480MHz

Number of channel: 79

Antenna : Integrated PCB antenna, 1 dBi gain

Modulation : FHSS (GFSK, $\pi/4$ -DQPSK, 8-DPSK)

Sample Type : Prototype production

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2. SUMMARY OF TEST

2.1. Summary of test result

Description of Test Item	Standard	Results
Maximum Peak Output Power	FCC Part 15: 15.247(b)(1) DA 00-705	PASS
20dB Bandwidth	FCC Part 15: 15.215 DA 00-705	PASS
Carrier Frequency Separation	FCC Part 15: 15.247(a)(1) DA 00-705	PASS
Number Of Hopping Channel	FCC Part 15: 15.247(a)(1)(iii) DA 00-705	PASS
Dwell Time	FCC Part 15: 15.247(a)(1)(iii) DA 00-705	PASS
Radiated Emission	FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.10: 2013 DA 00-705	PASS
Band Edge Compliance	FCC Part 15: 15.247(d) DA 00-705	PASS
Power Line Conducted Emissions	FCC Part 15: 15.207 ANSI C63.4: 2003 DA 00-705	N/A
Antenna requirement	FCC Part 15: 15.203	PASS

Note: 15.207 only signals conducted onto the AC power lines are required to be measured. The equipment is only DC power supply, so "Power Line Conducted Emissions" is not required.

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2.2. Test Facilities

EMC Lab : Certificated by CNAL, CHINA

Registration No.: L5288

Date of registration: December 07, 2015

Certificated by FCC, USA Registration No.: 989591

Date of registration: November 20, 2013

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

Date of registration: December 30, 2015

Certificated by VCCI, Japan

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

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

Certificated by TUV/PS, Shenzhen

Registration No.: SCN1017

Date of registration: January 27, 2011

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

Certificated by Siemic, Inc. Registration No.: SLCN021

Date of registration: November 8, 2011

Certificated by Nemko, Hong Kong

Registration No.: 175193

Date of registration: May 4, 2011

Name of Firm : EST Technology Co., Ltd.

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

Guangdong, China



2.3. Measurement uncertainty

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

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

2.4. Assistant equipment used for test

2.4.1. N/A

2.5. Block Diagram

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



(EUT: Car Multimedia Player)

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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
	Low	2402MHz
GFSK	Middle	2441MHz
	High	2480MHz
	Low	2402MHz
8-DPSK	Middle	2441MHz
	High	2480MHz

2.7. Channel List for Bluetooth

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
No.	(MHz)	No.	(MHz)	No.	(MHz)	No.	(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.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	June,28,15	1 Year
Artificial Mains Networ	Rohde & Schwarz	ENV216	101260	June,28,15	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	June,28,15	1 Year

2.8.2. For radiated emission test(30-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESVS10	100004	June,28,15	1 Year
Spectrum Analyzer	Agilent	E4411B	MY5014069 7	June,28,15	1 Year
Bilog Antenna	Teseq	CBL 6111D	27090	June,28,15	1 Year
Signal Amplifier	Agilent	310N	187037	June,28,15	1 Year

2.8.3. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	SCHWARZBECK		BBHA9120D1 002	June,28,15	1 Year
Signal Amplifier	SCHWARZBECK	BBV9718	9718-212	June,28,15	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211139	June,28,15	1 Year

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3. MAXIMUM PEAK OUTPUT POWER

3.1. Limit

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts, the e.i.r.p shall not exceed 4W

3.2. Test Procedure

The transmitter output (antenna port) was connected to the spectrum analyzer

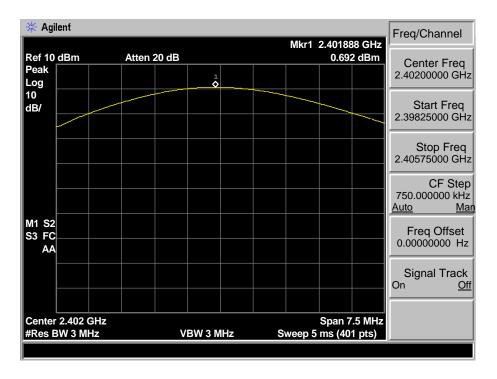
3.3. Test Result

EUT: Car Multimedia Player							
M/N: VX3014							
Test date: 20	16-01-15	Test site: RF site	Tested b	y: Tony Tang	5		
Mode	Freq Result		L	Margin			
Wiode	(MHz)	(dBm)	dBm	W	(dB)		
	2402	0.692	30.00	1	29.308		
GFSK	2441	-1.009	30.00	1	31.009		
	2480	-2.166	30.00	1	32.166		
	2402	0.469	21.00	0.125	20.531		
8-DPSK	2441	-0.651	21.00	0.125	21.651		
	2480	-1.879	21.00	0.125	22.879		
Conclusion:	Conclusion: PASS						

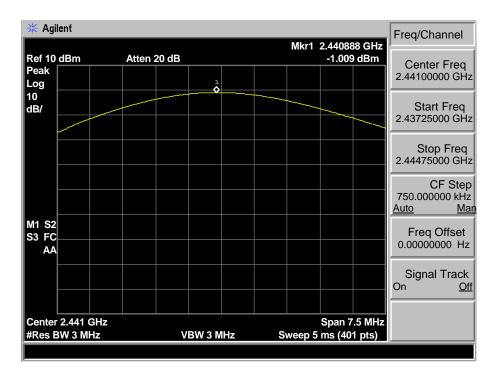


3.4. Test Data

GFSK 2402 MHz

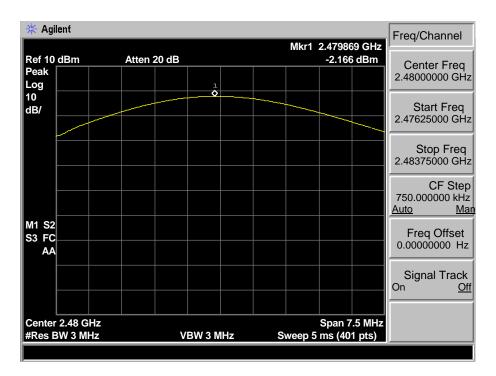


GFSK 2441 MHz



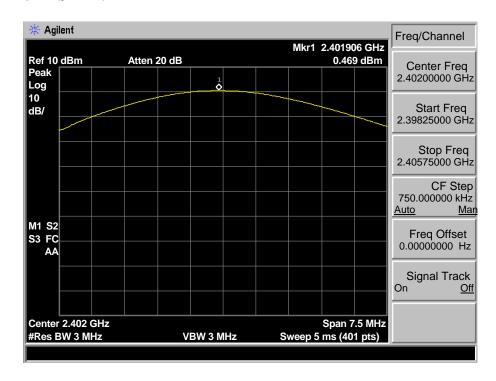


GFSK 2480 MHz

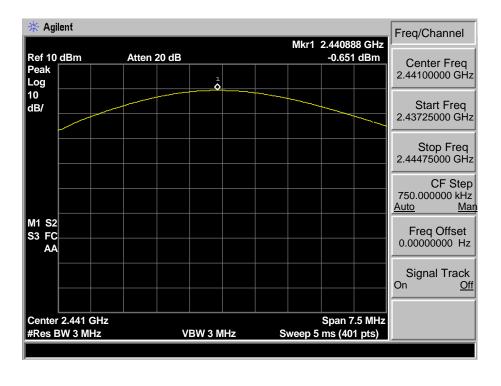




8-DPSK 2402 MHz

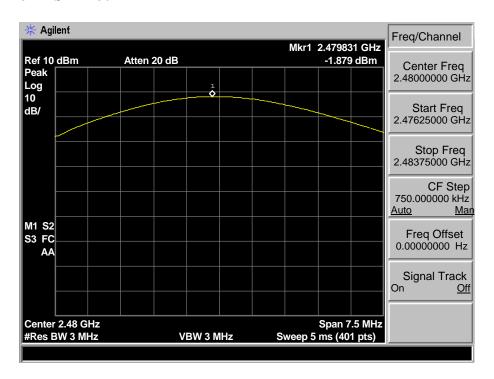


8-DPSK 2441 MHz





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 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 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

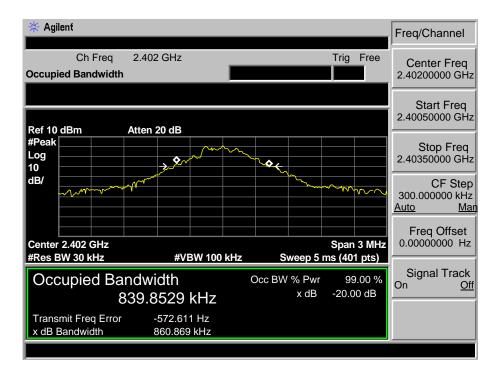
4.3. Test Result

EUT: Car Multimedia Player						
M/N: VX3014						
Test date: 2016-01-15 Test site: RF site Tested by: Tony Tang						
Mode	Freq (MHz)	20dB Bandwidth (MHz)	Limit (kHz)	Conclusion		
	2402	0.861	/	PASS		
GFSK	2441	0.859	/	PASS		
	2480	0.851	/	PASS		
	2402	1.213	/	PASS		
8-DPSK	2441	1.211	/	PASS		
	2480	1.212	/	PASS		

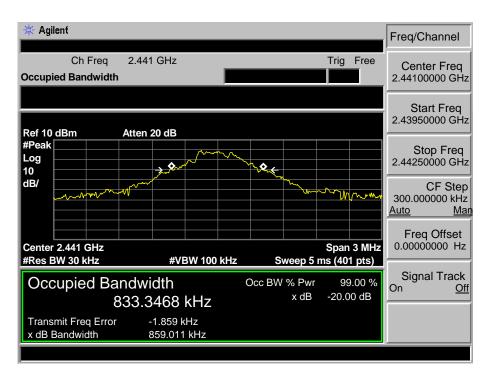


4.4. Test Data

GFSK 2402MHz

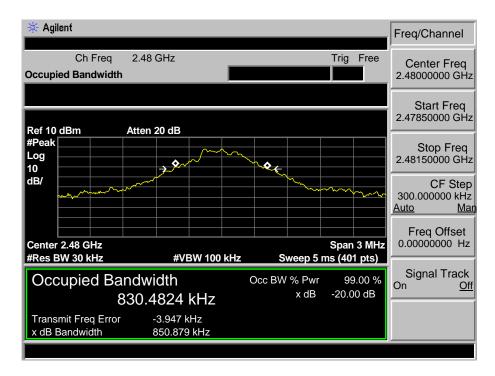


GFSK 2441MHz



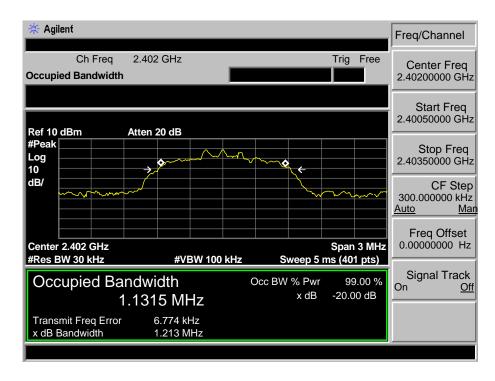


GFSK 2480MHz

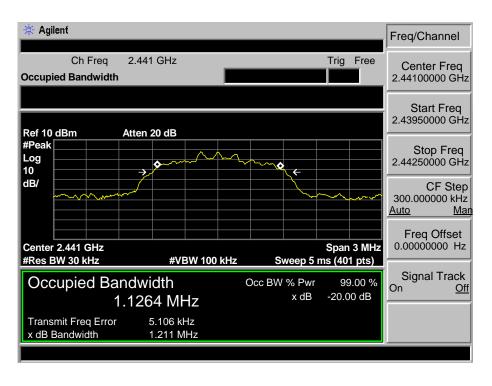




8-DPSK 2402MHz

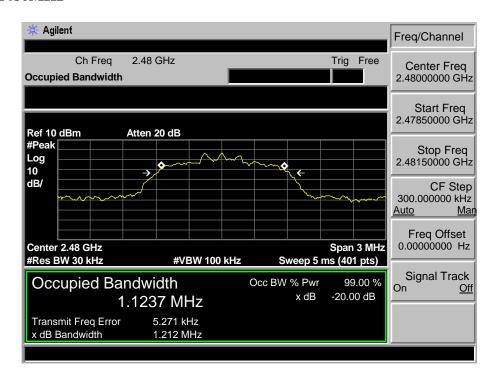


8-DPSK 2441MHz





8-DPSK 2480MHz





5. CARRIER FREQUENCY SEPARATION

5.1. Limit

Frequency hopping systems 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, frequency hopping systems operating in the 2400-2483.5 MHz band 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 the systems operate with an output power no greater than 125 mW

5.2. Test Procedure

The transmitter output was coupled to a spectrum analyzer via a antenna. The carrier frequency was measured by spectrum analyzer with 100kHz RBW and 100kHz VBW.

5.3. Test Result

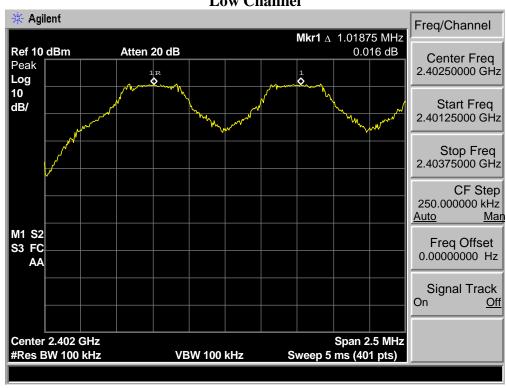
EUT: Car Multimedia Player							
M/N: VX3014							
Test date: 2016-01-15			Test site: RF site Tested by: Tony Tang				
Mode Channel Channel separation (MHz)			Limit	Conclusion			
GFSK	Low CH	1.019	0.861 MHz	PASS			
	Mid CH	1.025	0.859 MHz	PASS			
	High CH	1.000	0.851 MHz	PASS			
8-DPSK	Low CH	1.000	> 2/3 of the 20dB Bandwidth or	PASS			
	Mid CH	1.006	25[kHz](whichever is greater)	PASS			
	High CH	1.019	25[KHZ](whichever is greater)	PASS			

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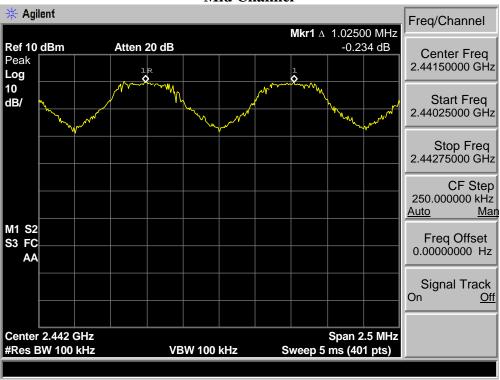


5.4. Test Data

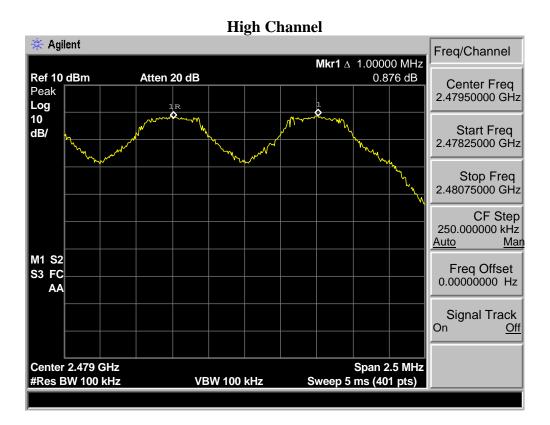
GFSKLow Channel



Mid Channel

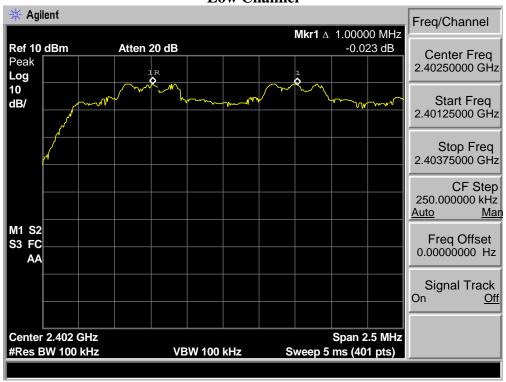




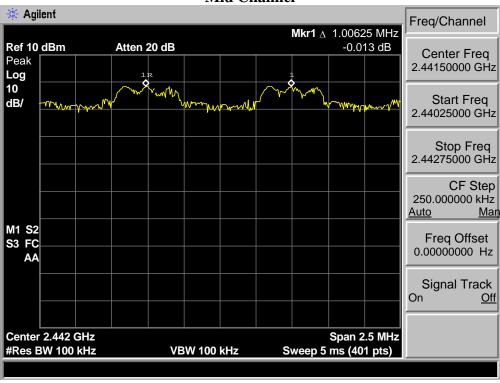




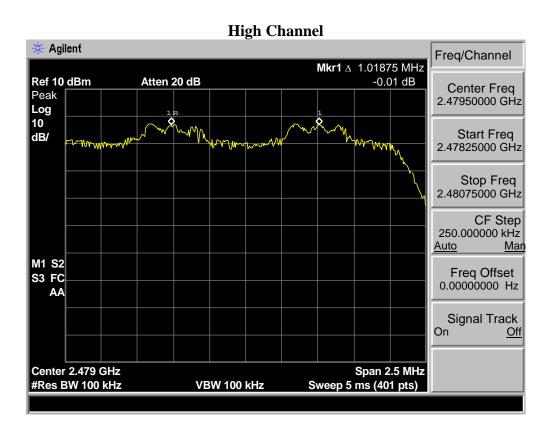
8-DPSK Low Channel



Mid Channel









6. NUMBER OF HOPPING CHANNEL

6.1. Limit

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

6.2. Test Procedure

The transmitter output was coupled to a spectrum analyzer via a antenna. The number of hopping channel was measured by spectrum analyzer with 300kHz RBW and 300kHz VBW.

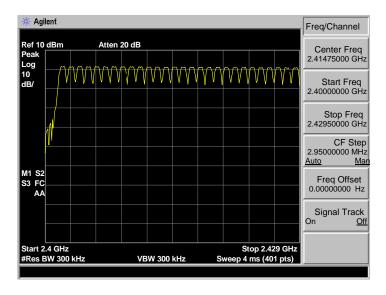
6.3. Test Result

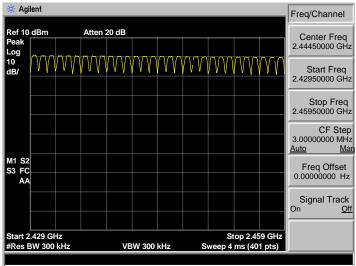
EUT: Car Multimedia Player							
M/N: VX3014							
Test date: 2016-01-15 Test site: RF site Tested by: Tony.Tang							
Mode	Number of h	opping channel	Limit	Conclusion			
GFSK		79	>15	PASS			
8-DPSK		79	>15	PASS			

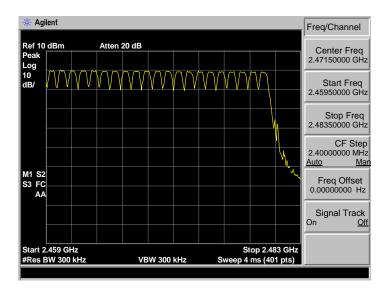


6.4. Test Data

GFSK

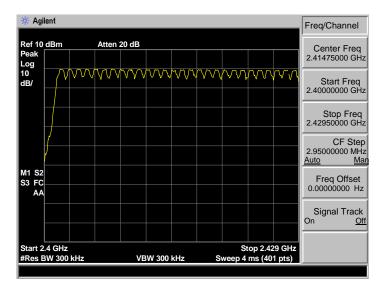


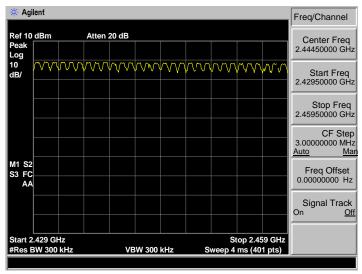


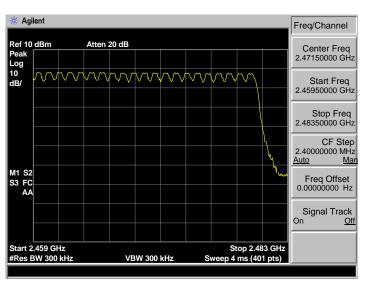




8-DPSK









7. DWELL TIME

7.1. 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.

7.2. Test Procedure

- (1.) Connect EUT antenna output to spectrum analyzer by RF cable.
- (2.) Measure the hopping number and on time of each pulse with spectrum analyzer in zero span Set, and calculate dwell time formula Dwell time=total hops*pulses on time.
- DH1 Packet permit maximum 1600/79/2=10.12 hops per second in each channel(1 time slot RX,1 time slot TX).So, total hops is 10.12*31. 6=320. 0
- DH3 Packet permit maximum 1600/79/4=5.06 hops per second in each channel(3 time slot RX,1time slot TX).So, total hops is 5.06*31. 6=160. 0
- DH5 Packet permit maximum 1600/79/6=3.37 hops per second in each channel(5 time slot RX,1time slot TX).So, total hops is 3.37*31. 6=106. 6
- 3DH1 Packet permit maximum 1600/79/2=10.12 hops per second in each channel(1 time slot RX,1 time slot TX).So, total hops is10.12*31.6=320.0
- 3DH3 Packet permit maximum 1600/79/4=5.06 hops per second in each channel(3 time slot RX,1time slot TX).So, total hops is5.06*31.6=160.0
- 3DH5 Packet permit maximum 1600/79/6=3.37 hops per second in each channel(5 time slot RX,1time slot TX).So, total hops is 3.37*31.6=106.0

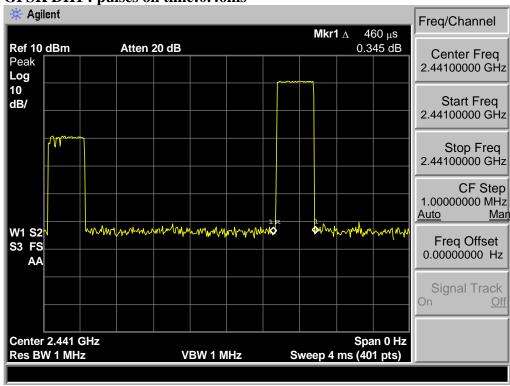
7.3. Test Result

EUT : Car Multimedia Player								
M/N: VX3014 Test Date: 2016-01-15 Test Engineer: Tony								
Mode Dwell time Pulses on Total hops Limit					Conclusion			
		time						
DH1	147.20 ms	0.46ms	320.0	<400ms	PASS			
DH3	270.40 ms	1.69ms	160.0	<400ms	PASS			
DH5	315.73 ms	2.96ms	106.6	<400ms	PASS			
3DH1	160.00 ms	0.50ms	320.0	<400ms	PASS			
3DH3	275.20 ms	1.72ms	160.0	<400ms	PASS			
3DH5 315.73 ms 2.96ms 106.6 <400ms PASS								
Note Dwell time :total hops*pulses on time								

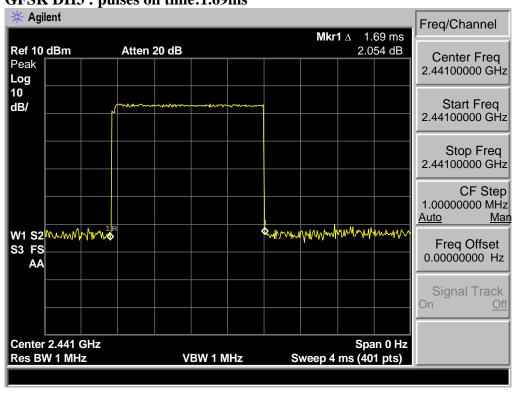
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7.4. Test Data

GFSK DH1: pulses on time:0.46ms

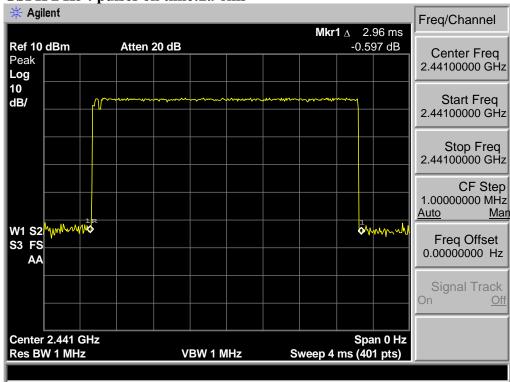


GFSK DH3: pulses on time:1.69ms

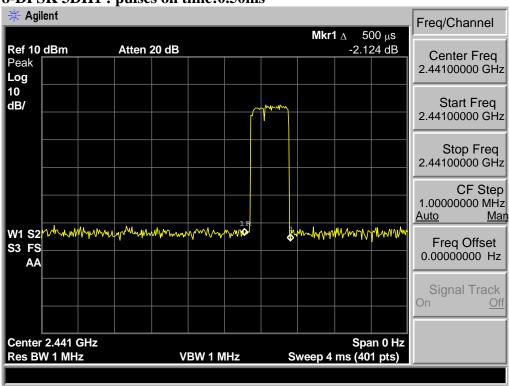






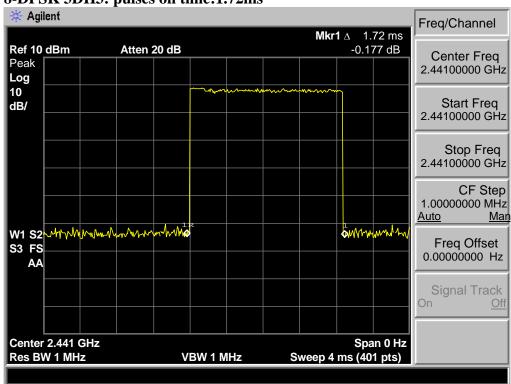


8-DPSK 3DH1: pulses on time:0.50ms

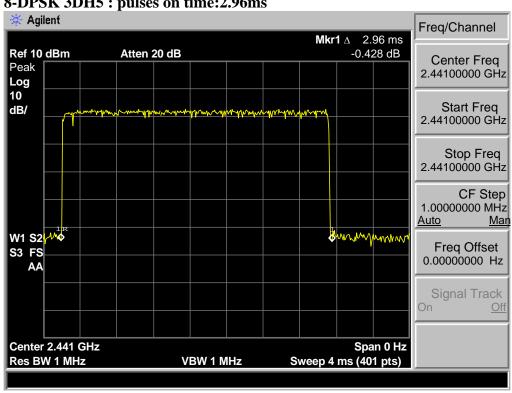








8-DPSK 3DH5: pulses on time: 2.96ms





8. RADIATED EMISSIONS

8.1. Limit

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.

15.205 Restricted frequency band

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)

15.209 Limit

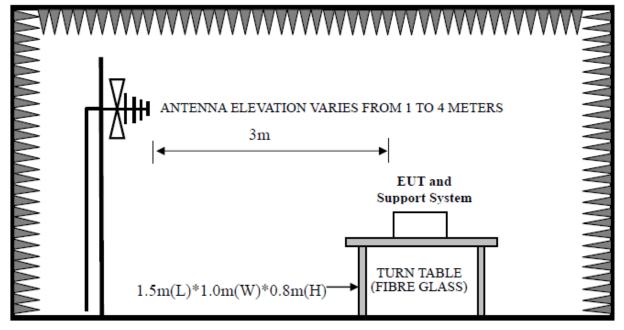
FREQUENCY		DISTANCE	FIELD STRENGTHS LIMIT		
MHz		Meters	μV/m	dB(μV)/m	
30 ~ 88		3	100	40.0	
88 ~ 216		3	150	43.5	
216 ~ 960		3	200	46.0	
960 ~ 1000		3	500 54.0		
Above	1000	3	74.0 dB(μV)/m (Peak)		
710010			$54.0 \text{ dB}(\mu\text{V})/\text{m} \text{ (Average)}$		

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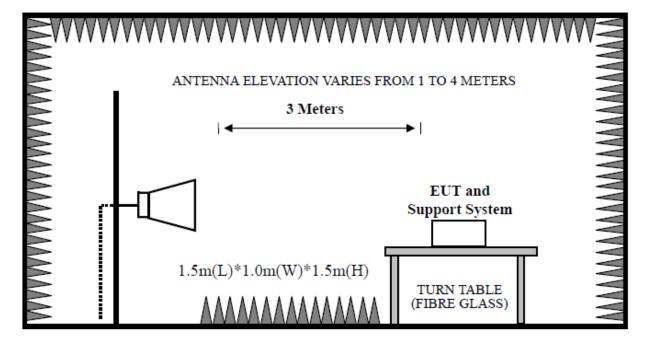


8.2. Block Diagram of Test setup

30~1000MHz



Above 1GHz



EST

8.3. Test Procedure

EUT was placed on a turn table, which is 0.8 meter high above ground for 30~1000MHz test, and wiich 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 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.

8.4. Test Result

30MHz—25GHz Radiated emissison Test result					
EUT: Car Multimedia Player					
M/N: VX3014					
Power: DC 12V					
Test date: 2016-01-08~01-14	Test site: 3m Chamber	Tested by: Tony Tang			
Test mode: Tx Mode					
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.

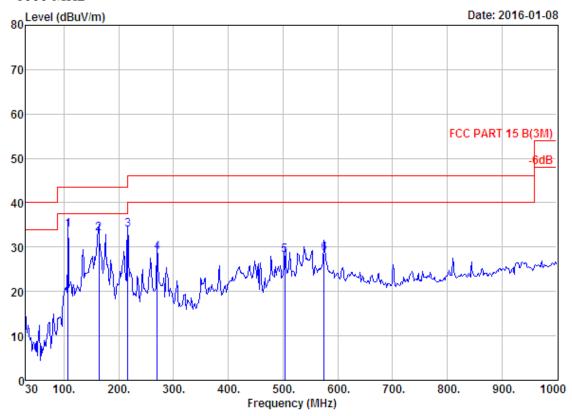
2. The frequency 2402MHz . 2441MHz and 2480MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.

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8.5. Test Data

30 MHz - 1000 MHz



Site no. : 966 1# chamber Data no. : 53
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL

Limit : FCC PART 15 B(3M)

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

Engineer : Tony

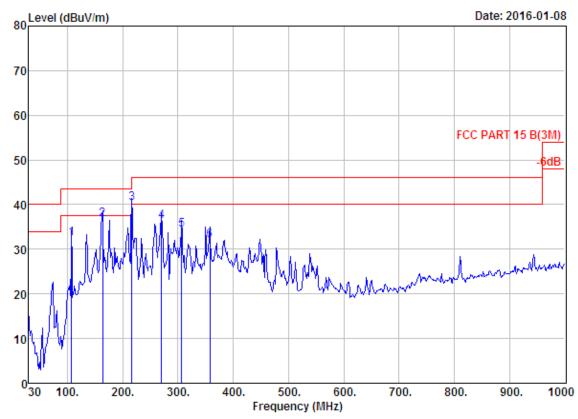
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2402MHz

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
 1	107.60	10.24	1.39	22.33	33.96	43.50	9.54	QP
2	163.86	9.89	1.67	21.60	33.16	43.50	10.34	QP
3	216.24	8.80	1.95	23.07	33.82	46.00	12.18	QP
4	270.56	12.53	2.27	14.09	28.89	46.00	17.11	QP
5	503.36	17.90	3.12	7.04	28.06	46.00	17.94	QP
6	575.14	19.55	3.40	5.61	28.56	46.00	17.44	OP





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

Limit : FCC PART 15 B(3M)

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

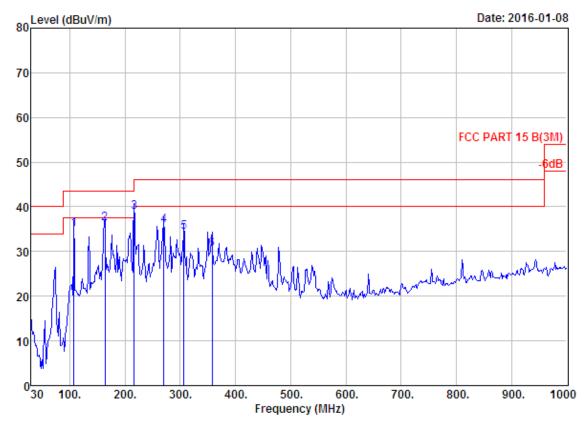
Engineer : Tony

EUT : Car Multimedia Player

Power : DC 12V 4/N : VX3014

[est Mode : GFSK TX 2402MHz

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
 1	107.60	10.24	1.39	20.80	32.43	43.50	11.07	QP
2	163.86	9.89	1.67	25.05	36.61	43.50	6.89	QP
3	216.24	8.80	1.95	29.63	40.38	46.00	5.62	QP
4	270.56	12.53	2.27	21.37	36.17	46.00	9.83	QP
5	306.45	13.13	2.35	18.89	34.37	46.00	11.63	QP
6	357.86	14.45	2.56	15.06	32.07	46.00	13.93	OP



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

Limit : FCC PART 15 B(3M)

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

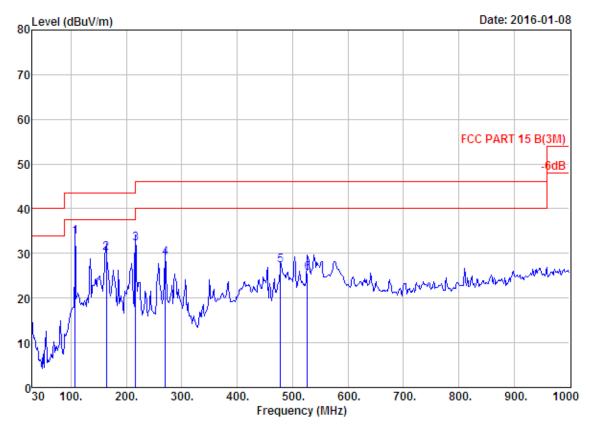
Engineer : Tony

EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2441MHz

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	107.60	10.24	1.39	23.32	34.95	43.50	8.55	QP
2	163.86	9.89	1.67	24.68	36.24	43.50	7.26	QP
3	216.24	8.80	1.95	28.10	38.85	46.00	7.15	QP
4	270.56	12.53	2.27	20.93	35.73	46.00	10.27	QP
5	306.45	13.13	2.35	18.77	34.25	46.00	11.75	QP
6	357.86	14.45	2.56	13.41	30.42	46.00	15.58	QP



Site no. : 966 1# chamber Data no. : 56
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL

Limit : FCC PART 15 B(3M)

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

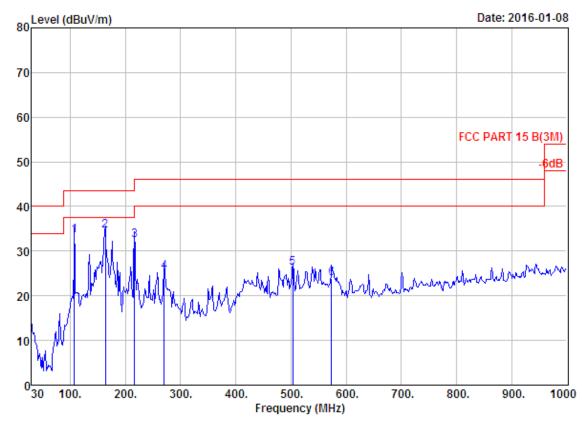
Engineer : Tony

EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2441MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	107.60	10.24	1.39	22.16	33.79	43.50	9.71	QP
2	163.86	9.89	1.67	18.60	30.16	43.50	13.34	QP
3	216.24	8.80	1.95	21.48	32.23	46.00	13.77	QP
4	270.56	12.53	2.27	14.23	29.03	46.00	16.97	QP
5	478.14	17.40	3.07	6.79	27.26	46.00	18.74	QP
6	526.64	18.15	3.16	4.29	25.60	46.00	20.40	QP



Site no. : 966 1# chamber Data no. : 57 : 3m 27137 : FCC PART 15 B(3M) Dis. / Ant. Ant. pol. : VERTICAL

Limit

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

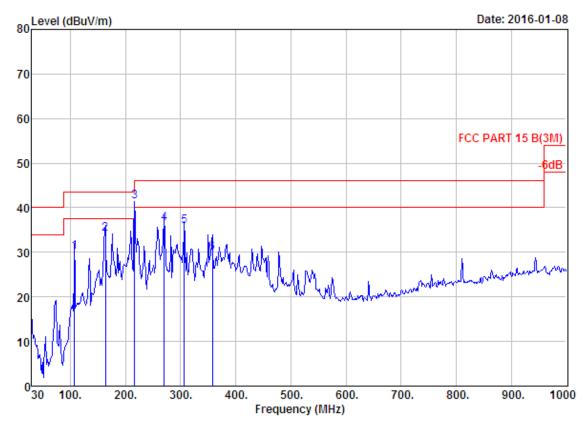
Engineer : Tony

: Car Multimedia Player EUT

Power : DC 12V M/N : VX3014

: GFSK TX 2480MHz Test Mode

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	107.60	10.24	1.39	21.87	33.50	43.50	10.00	QP
2	163.86	9.89	1.67	23.00	34.56	43.50	8.94	QP
3	216.24	8.80	1.95	21.67	32.42	46.00	13.58	QP
4	270.56	12.53	2.27	10.57	25.37	46.00	20.63	QP
5	503.36	17.90	3.12	5.21	26.23	46.00	19.77	QP
6	573.20	19.58	3.35	1.02	23.95	46.00	22.05	QP



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

Limit : FCC PART 15 B(3M)

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

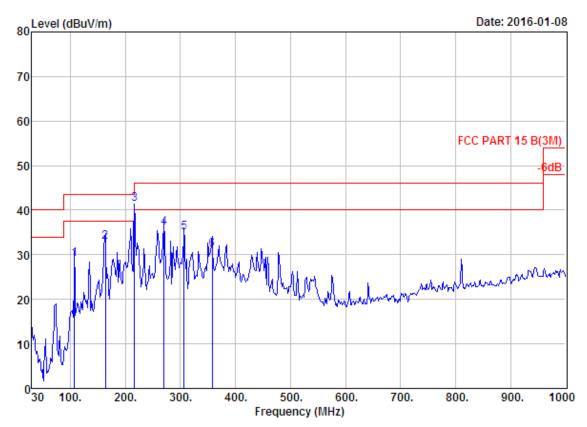
Engineer : Tony

EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2480MHz

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	107.60	10.24	1.39	18.39	30.02	43.50	13.48	QP
2	163.86	9.89	1.67	22.55	34.11	43.50	9.39	QP
3	216.24	8.80	1.95	30.62	41.37	46.00	4.63	QP
4	270.56	12.53	2.27	21.68	36.48	46.00	9.52	QP
5	306.45	13.13	2.35	20.36	35.84	46.00	10.16	QP
6	357.86	14.45	2.56	12.90	29.91	46.00	16.09	QP



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

Limit : FCC PART 15 B(3M)

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

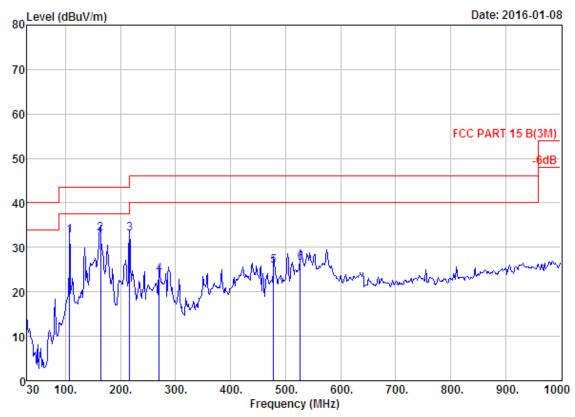
Engineer : Tony

EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2402MHz

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	107.60	10.24	1.39	17.41	29.04	43.50	14.46	QP
2	163.86	9.89	1.67	21.24	32.80	43.50	10.70	QP
3	216.24	8.80	1.95	30.69	41.44	46.00	4.56	QP
4	270.56	12.53	2.27	21.20	36.00	46.00	10.00	QP
5	306.45	13.13	2.35	19.50	34.98	46.00	11.02	QP
6	357.86	14.45	2.56	14.16	31.17	46.00	14.83	QP



Site no. : 966 1# chamber Data no. : 60
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL

Limit : FCC PART 15 B(3M)

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

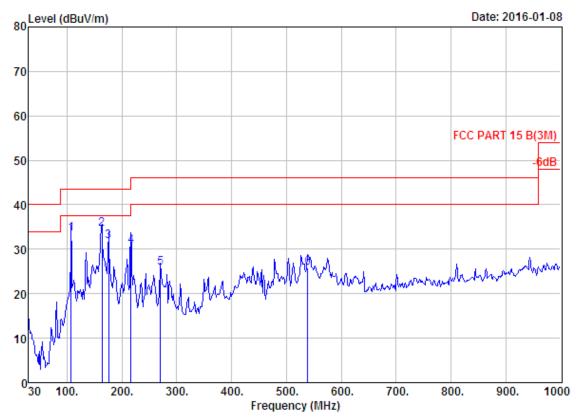
Engineer : Tony

EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2402MHz

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	107.60	10.24	1.39	21.01	32.64	43.50	10.86	QP
2	163.86	9.89	1.67	21.51	33.07	43.50	10.43	QP
3	216.24	8.80	1.95	22.27	33.02	46.00	12.98	QP
4	270.56	12.53	2.27	9.03	23.83	46.00	22.17	QP
5	478.14	17.40	3.07	5.39	25.86	46.00	20.14	QP
6	526.64	18.15	3.16	5.05	26.36	46.00	19.64	QP



Site no. : 966 1# chamber Data no. : 61
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL

Limit : FCC PART 15 B(3M)

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

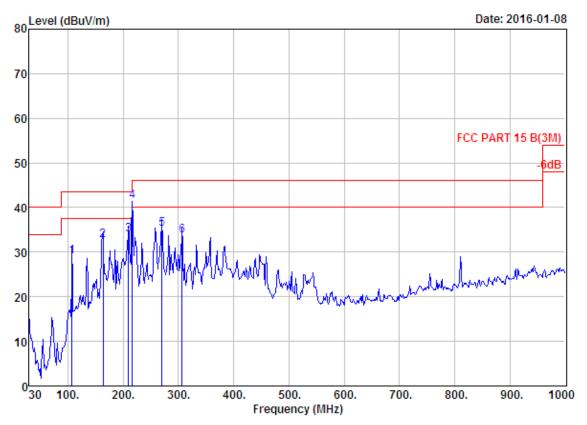
Engineer : Tony

EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2441MHz

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	107.60	10.24	1.39	21.76	33.39	43.50	10.11	QP
2	163.86	9.89	1.67	23.06	34.62	43.50	8.88	QP
3	175.50	8.98	1.68	21.17	31.83	43.50	11.67	QP
4	216.24	8.80	1.95	19.90	30.65	46.00	15.35	QP
5	270.56	12.53	2.27	10.99	25.79	46.00	20.21	QP
6	539.25	19.35	3.22	3.29	25.86	46.00	20.14	QP



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

Limit : FCC PART 15 B(3M)

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

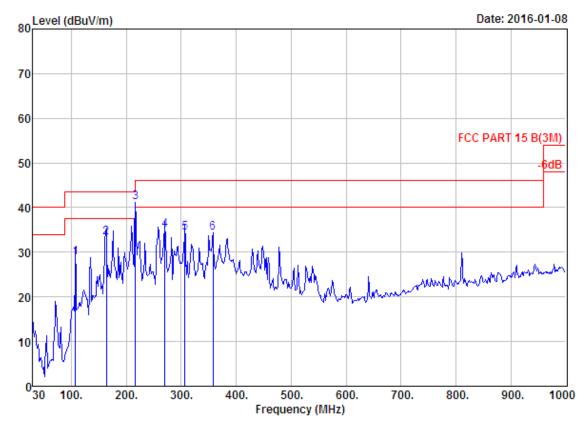
Engineer : Tony

EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2441MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	107.60	10.24	1.39	17.45	29.08	43.50	14.42	QP
2	163.86	9.89	1.67	21.03	32.59	43.50	10.91	QP
3	209.45	8.37	1.91	23.65	33.93	43.50	9.57	QP
4	216.24	8.80	1.95	30.68	41.43	46.00	4.57	QP
5	270.56	12.53	2.27	20.43	35.23	46.00	10.77	QP
6	306.45	13.13	2.35	18.17	33.65	46.00	12.35	QP



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

Limit : FCC PART 15 B(3M)

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

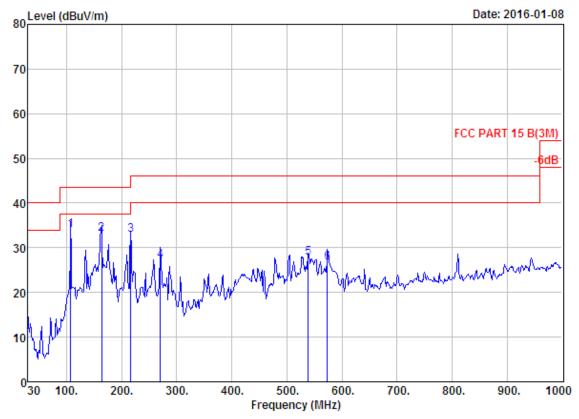
Engineer : Tony

EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	107.60	10.24	1.39	17.27	28.90	43.50	14.60	QP
2	163.86	9.89	1.67	21.81	33.37	43.50	10.13	QP
3	216.24	8.80	1.95	30.47	41.22	46.00	4.78	QP
4	270.56	12.53	2.27	20.17	34.97	46.00	11.03	QP
5	306.45	13.13	2.35	18.80	34.28	46.00	11.72	QP
6	357.86	14.45	2.56	17.34	34.35	46.00	11.65	QP



: 966 1# chamber Site no. Data no. : 64 : 3m 27137 : FCC PART 15 B(3M) Dis. / Ant. Ant. pol. : VERTICAL

Limit

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

Engineer : Tony

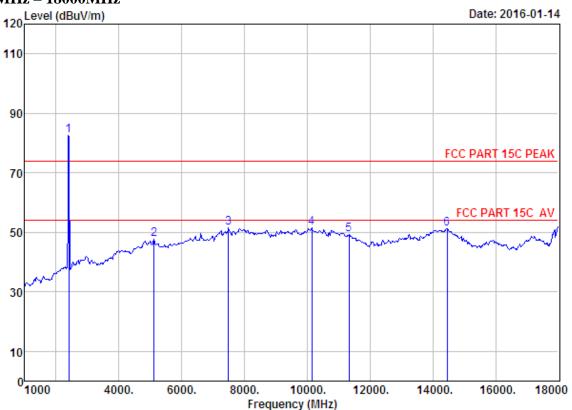
EUT : Car Multimedia Player

: DC 12V Power M/N : VX3014

: 8-DPSK TX 2480MHz Test Mode

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	107.60	10.24	1.39	22.29	33.92	43.50	9.58	QP
2	163.86	9.89	1.67	21.43	32.99	43.50	10.51	QP
3	216.24	8.80	1.95	22.02	32.77	46.00	13.23	QP
4	270.56	12.53	2.27	12.25	27.05	46.00	18.95	QP
5	539.25	19.35	3.22	5.19	27.76	46.00	18.24	QP
6	573.20	19.58	3.35	3.66	26.59	46.00	19.41	QP

1000 MHz - 18000MHz



Site no. : 1# 966 chamber Data no. : 65
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

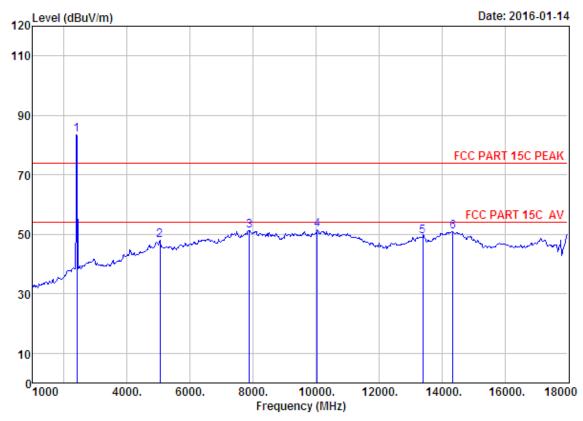
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2402MHz

	Freq.	Ant. Factor (dB/m)		•	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.00	27.61	6.62	34.18	82.62	82.67	74.00	-8.67	Peak
2	5114.00	31.62	12.45	32.17	35.78	47.68	74.00	26.32	Peak
3	7494.00	36.48	11.62	31.87	35.18	51.41	74.00	22.59	Peak
4	10146.00	38.36	11.51	32.05	33.60	51.42	74.00	22.58	Peak
5	11336.00	39.30	11.04	34.29	33.11	49.16	74.00	24.84	Peak
6	14464.00	41.85	10.93	32.96	31.39	51.21	74.00	22.79	Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

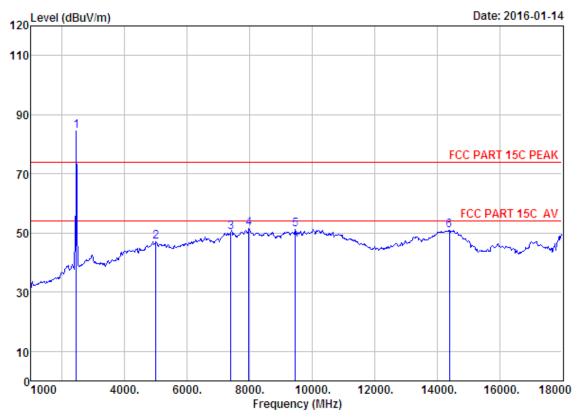
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.00	27.61	6.62	34.18	83.45	83.50	74.00	-9.50	Peak
2	5046.00	31.57	12.53	32.08	36.12	48.14	74.00	25.86	Peak
3	7885.00	36.78	11.45	31.33	34.34	51.24	74.00	22.76	Peak
4	10044.00	38.18	11.56	31.85	33.56	51.45	74.00	22.55	Peak
5	13393.00	39.83	11.49	35.03	33.13	49.42	74.00	24.58	Peak
6	14345.00	41.76	10.92	32.93	31.24	50.99	74.00	23.01	Peak

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



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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

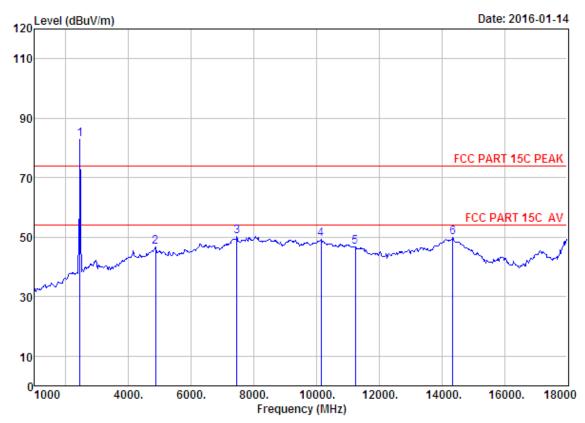
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2441MHz

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	-	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.00	27.60	6.67	34.12	84.47	84.62	74.00	-10.62	Peak
2	4995.00	31.54	12.59	32.00	34.96	47.09	74.00	26.91	Peak
3	7392.00	36.57	11.59	31.97	33.97	50.16	74.00	23.84	Peak
4	7970.00	36.94	11.41	31.25	34.45	51.55	74.00	22.45	Peak
5	9466.00	38.02	11.69	31.95	33.45	51.21	74.00	22.79	Peak
6	14396.00	41.79	10.92	32.83	30.97	50.85	74.00	23.15	Peak

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



Site no. : 1# 966 chamber Data no. : 70
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

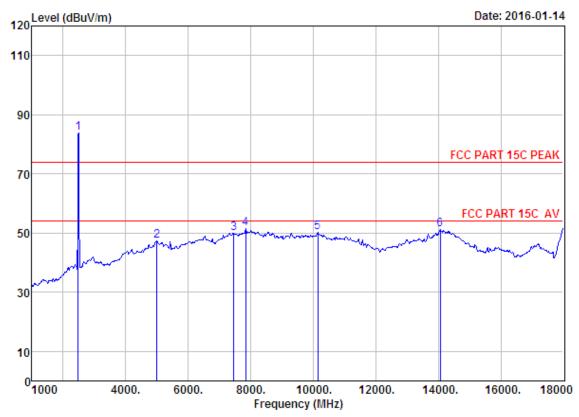
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2441MHz

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.00	27.60	6.67	34.12	82.61	82.76	74.00	-8.76	Peak
2	4859.00	31.34	11.99	31.88	35.14	46.59	74.00	27.41	Peak
3	7460.00	36.52	11.61	31.91	34.13	50.35	74.00	23.65	Peak
4	10146.00	38.36	11.51	32.05	31.41	49.23	74.00	24.77	Peak
5	11234.00	39.37	11.12	34.10	30.44	46.83	74.00	27.17	Peak
6	14345.00	41.76	10.92	32.93	30.22	49.97	74.00	24.03	Peak

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



Site no. : 1# 966 chamber Data no. : 71
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

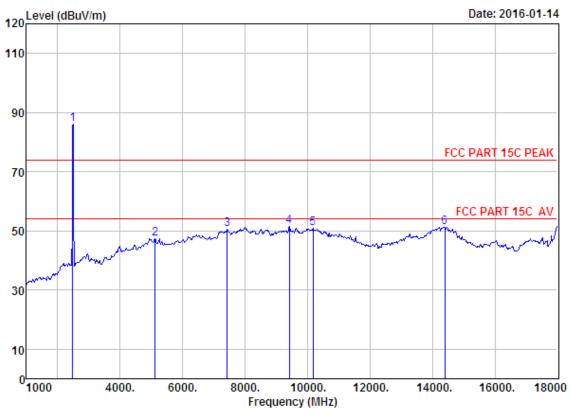
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2480MHz

	Freq. Fac	Ant.	Cable	Amp		Emission			Remark
		•		Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	2480.00	27.58	6.71	34.03	83.49	83.75	74.00	-9.75	Peak
2	4995.00	31.54	12.59	32.00	35.27	47.40	74.00	26.60	Peak
3	7460.00	36.52	11.61	31.91	33.71	49.93	74.00	24.07	Peak
4	7834.00	36.68	11.47	31.40	34.64	51.39	74.00	22.61	Peak
5	10146.00	38.36	11.51	32.05	32.52	50.34	74.00	23.66	Peak
6	14056.00	41.51	10.90	33.80	32.69	51.30	74.00	22.70	Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

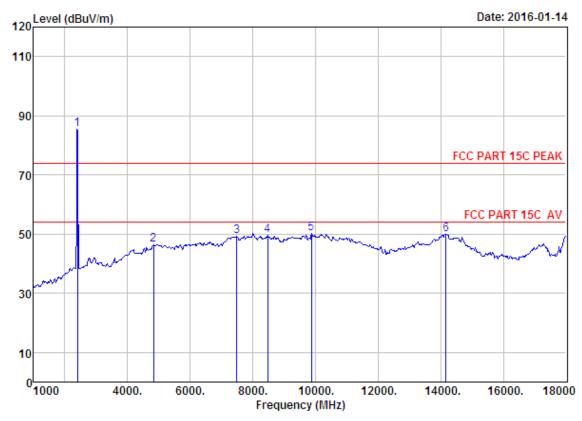
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2480MHz

		Ant.		Amp		Emission			
	Freq. (MHz)	Factor (dB/m)	Loss (dB)		Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	34.03	85.69	85.95	74.00	-11.95	Peak
2	5114.00	31.62	12.45	32.17	35.59	47.49	74.00	26.51	Peak
3	7426.00	36.56	11.60	31.95	34.40	50.61	74.00	23.39	Peak
4	9415.00	38.07	11.67	31.99	33.67	51.42	74.00	22.58	Peak
5	10180.00	38.42	11.49	32.11	33.06	50.86	74.00	23.14	Peak
6	14396.00	41.79	10.92	32.83	31.28	51.16	74.00	22.84	Peak

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



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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

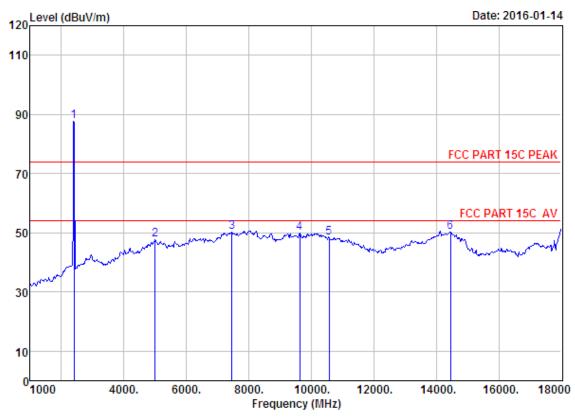
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2402MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
 1	2402.00	27.61	6.62	34.18	85.41	85.46	74.00	-11.46	Peak
2	4825.00	31.28	11.84	31.83	35.24	46.53	74.00	27.47	Peak
3	7494.00	36.48	11.62	31.87	32.97	49.20	74.00	24.80	Peak
4	8480.00	36.91	11.45	31.89	33.05	49.52	74.00	24.48	Peak
5	9874.00	38.15	11.62	31.77	32.09	50.09	74.00	23.91	Peak
6	14175.00	41.61	10.91	33.44	30.93	50.01	74.00	23.99	Peak

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



: 1# 966 chamber Data no. : 76 Site no. : 3m ANT 1-18G Ant. pol. : VERTICAL

Dis. / Ant. : FCC PART 15C PEAK

Limit

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

Engineer : Dick

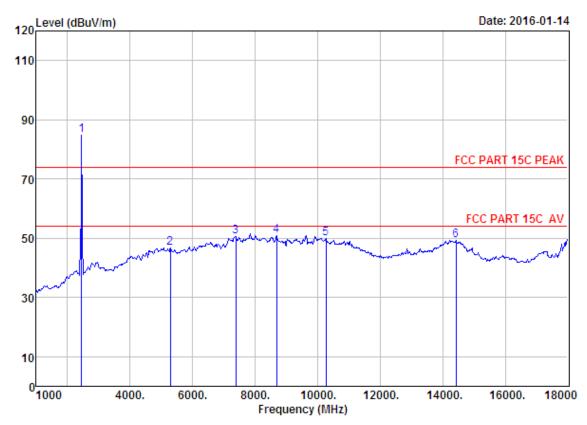
EUT : Car Multimedia Player

: DC 12V Power M/N : VX3014

Test Mode : 8-DPSK TX 2402MHz

	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.00	27.61	6.62	34.18	87.62	87.67	74.00	-13.67	Peak
2	4995.00	31.54	12.59	32.00	35.57	47.70	74.00	26.30	Peak
3	7460.00	36.52	11.61	31.91	33.90	50.12	74.00	23.88	Peak
4	9636.00	37.96	11.68	31.91	32.26	49.99	74.00	24.01	Peak
5	10571.00	39.05	11.31	32.85	30.78	48.29	74.00	25.71	Peak
6	14464.00	41.85	10.93	32.96	30.32	50.14	74.00	23.86	Peak

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



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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

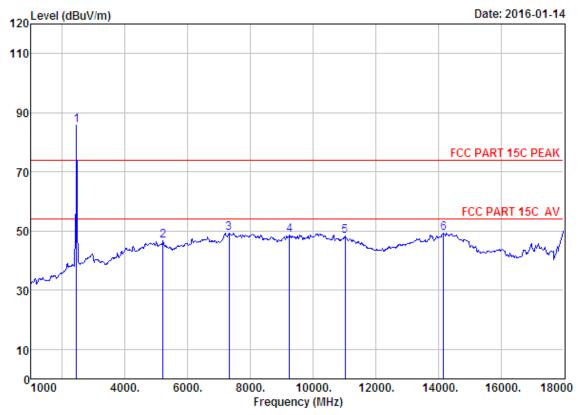
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2441MHz

	Freq.	Ant. Factor (dB/m)		Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.00	27.60	6.67	34.12	84.73	84.88	74.00	-10.88	Peak
2	5284.00	31.70	12.25	32.22	34.92	46.65	74.00	27.35	Peak
3	7375.00	36.57	11.59	31.98	34.34	50.52	74.00	23.48	Peak
4	8684.00	37.32	11.45	32.43	34.60	50.94	74.00	23.06	Peak
5	10265.00	38.56	11.44	32.27	32.11	49.84	74.00	24.16	Peak
6	14430.00	41.82	10.93	32.84	29.43	49.34	74.00	24.66	Peak

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



Site no. : 1# 966 chamber Data no. : 80
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

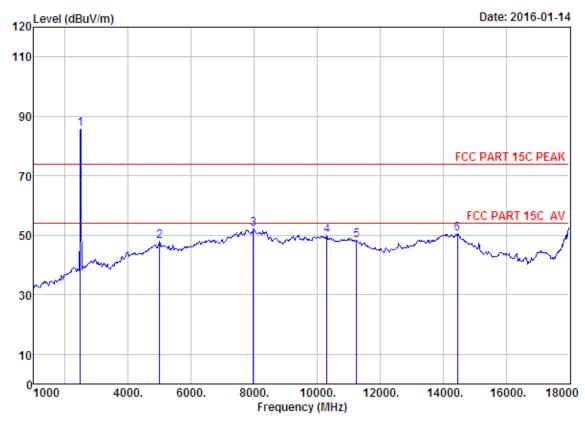
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2441MHz

	Freq.	Ant. Factor (dB/m)		Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.00	27.60	6.67	34.12	85.49	85.64	74.00	-11.64	Peak
2	5216.00	31.68	12.33	32.17	34.77	46.61	74.00	27.39	Peak
3	7324.00	36.55	11.57	31.99	33.24	49.37	74.00	24.63	Peak
4	9245.00	37.83	11.58	32.26	31.59	48.74	74.00	25.26	Peak
5	11030.00	39.50	11.27	33.71	31.17	48.23	74.00	25.77	Peak
6	14175.00	41.61	10.91	33.44	30.24	49.32	74.00	24.68	Peak

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



Site no. : 1# 966 chamber Data no. : 81
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

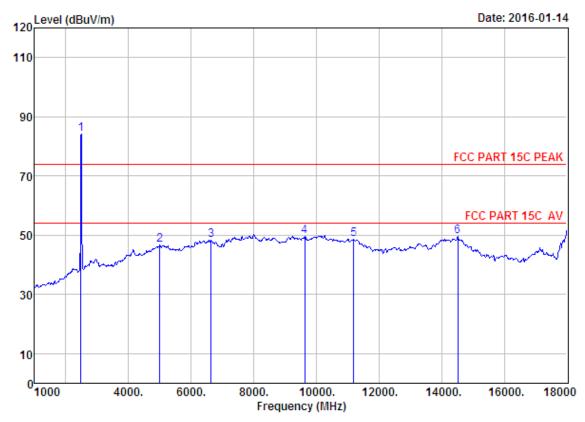
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2480MHz

		Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
-	1	2480.00	27.58	6.71	34.03	85.41	85.67	74.00	-11.67	Peak
	2	4995.00	31.54	12.59	32.00	35.96	48.09	74.00	25.91	Peak
	3	7970.00	36.94	11.41	31.25	34.93	52.03	74.00	21.97	Peak
	4	10316.00	38.65	11.41	32.37	32.14	49.83	74.00	24.17	Peak
	5	11251.00	39.35	11.10	34.13	31.89	48.21	74.00	25.79	Peak
	6	14464.00	41.85	10.93	32.96	30.74	50.56	74.00	23.44	Peak

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



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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

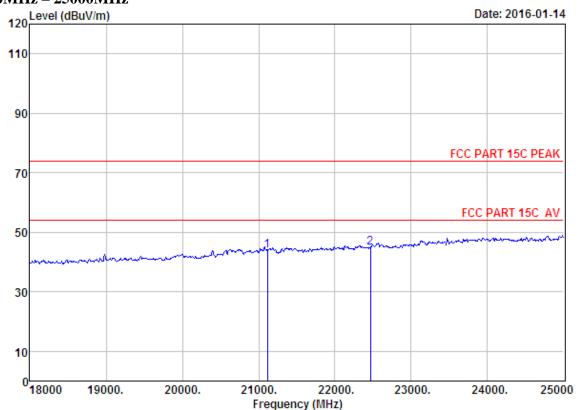
Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2480MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	34.03	83.82	84.08	74.00	-10.08	Peak
2	4995.00	31.54	12.59	32.00	34.55	46.68	74.00	27.32	Peak
3	6644.00	34.48	12.02	32.20	34.05	48.35	74.00	25.65	Peak
4	9636.00	37.96	11.68	31.91	32.02	49.75	74.00	24.25	Peak
5	11200.00	39.39	11.14	34.03	32.12	48.62	74.00	25.38	Peak
6	14515.00	41.89	10.93	33.14	29.96	49.64	74.00	24.36	Peak

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

18000MHz - 25000MHz



Site no. : 1# 966 chamber Data no. : 85
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

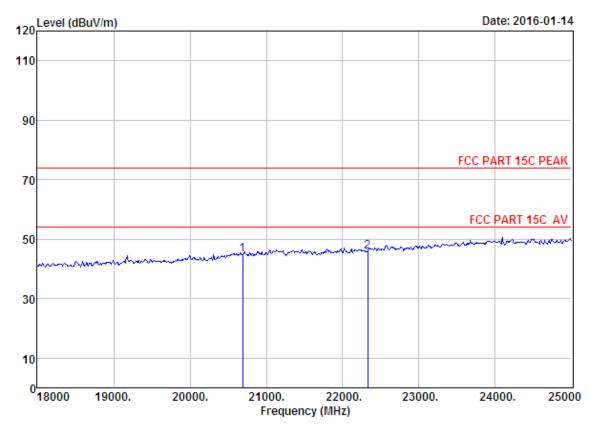
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2402MHz

Freq. (MHz)	Factor	Cable Loss (dB)	Factor	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
21115.00 22466.00				13.14 12.68	43.85 44.90	74.00 74.00	30.15 29.10	Peak Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

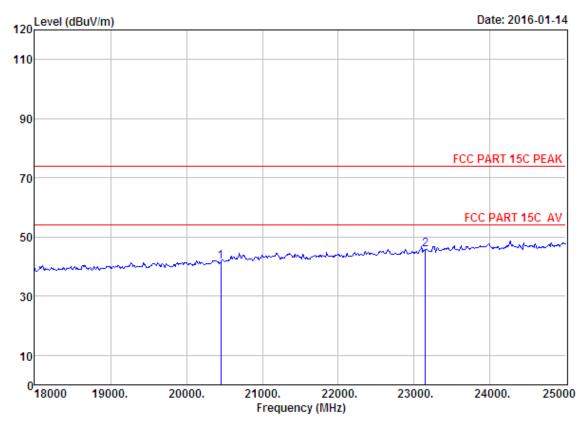
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2402MHz

-	Factor	Factor	Reading	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
20688.00 22326.00		 		44.81 45.92	74.00 74.00	29.19 28.08	Peak Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

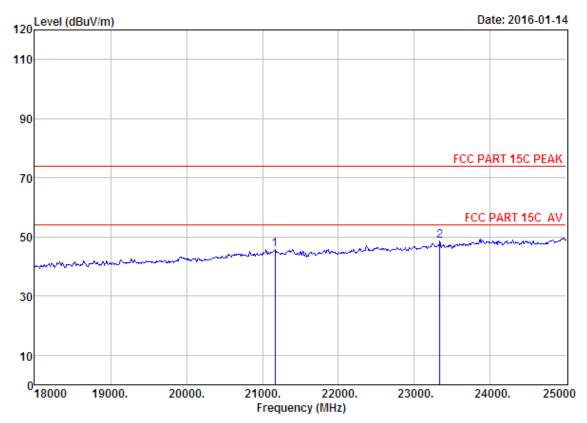
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2441MHz

	Freq. (MHz)			Factor	Reading (dBuV)	Emission Level (dBuV/m)		Margin (dB)	Remark
1	20450.00	46.01	19.88	36.30	12.16	41.75	74.00	32.25	Peak
2	23145.00	45.63	21.28	33.69	12.46	45.68	74.00	28.32	Peak

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





Site no. : 1# 966 chamber Data no. : 88
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

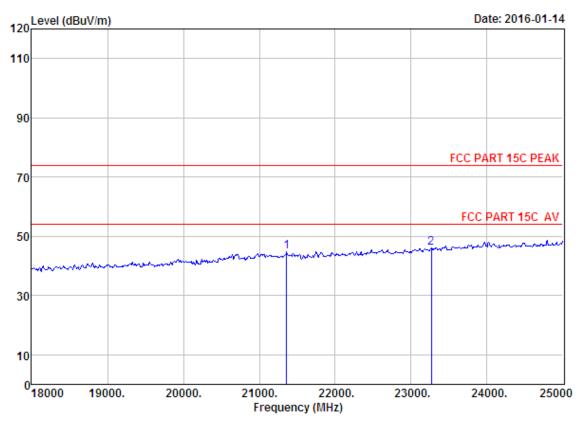
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2441MHz

Freq. (MHz)	Factor	Cable Loss (dB)	Factor	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
21164.00 23334.00					45.87 48.71	74.00 74.00	28.13 25.29	Peak Peak

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





Site no. : 1# 966 chamber Data no. : 89
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

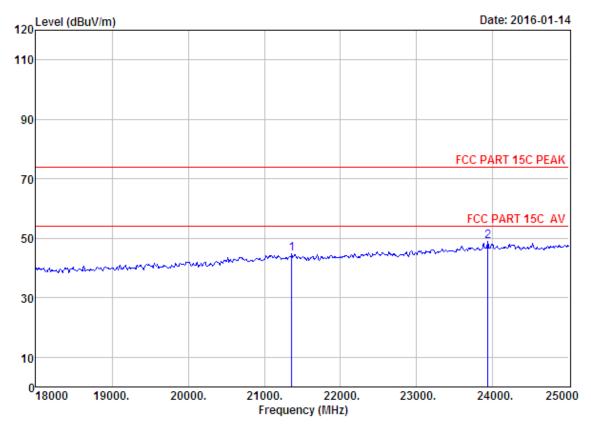
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2480MHz

Freq. (MHz)	Factor	Loss	Reading	Emission Level (dBuV/m)		Margin (dB)	Remark
1 21360.00 2 23264.00				44.66 46.02	74.00 74.00	29.34 27.98	Peak Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

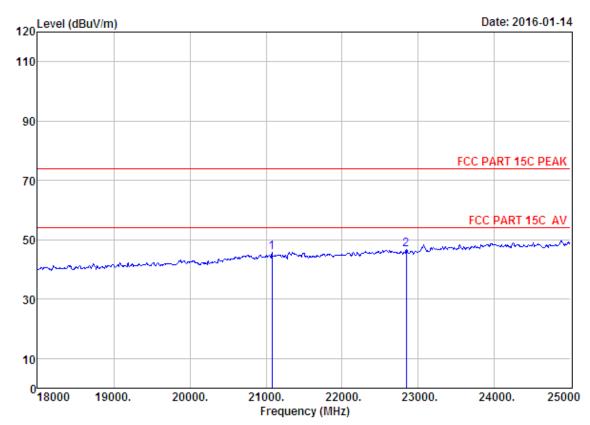
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2480MHz

		Ant.	Cable	Amp		Emission			
	Freq. (MHz)				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	21360.00	46.08	20.28	35.49	13.93	44.80	74.00	29.20	Peak
2	23936.00	45.61	21.99	32.88	14.25	48.97	74.00	25.03	Peak

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





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

Limit : FCC PART 15C PEAK

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

Ingineer : Dick

EUT : Car Multimedia Player

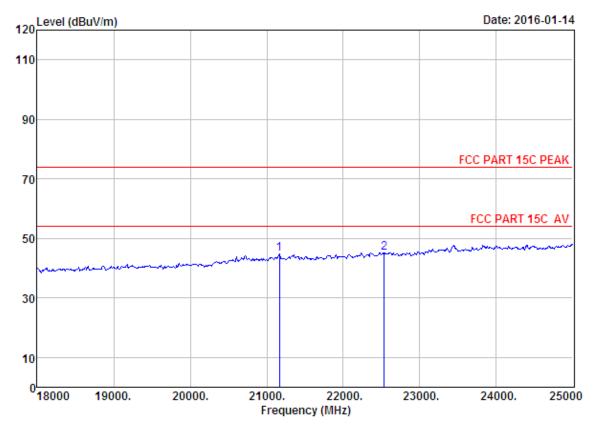
Power : DC 12V 4/N : VX3014

[est Mode : 8-DPSK TX 2402MHz

	Freq. (MHz)		Factor	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
_	21080.00 22844.00	 			45.72 46.77	74.00 74.00	28.28 27.23	Peak Peak

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





Site no. : 1# 966 chamber Data no. : 92
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

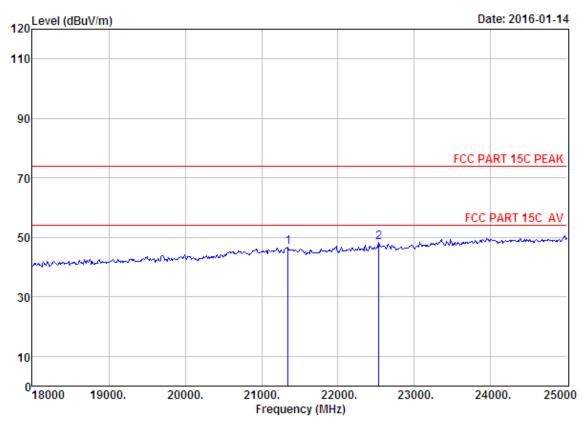
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2402MHz

	Freq.		-	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
_	21164.00 22536.00	 			44.65 45.27	74.00 74.00	29.35 28.73	Peak Peak

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



Site no. : 1# 966 chamber Data no. : 93
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

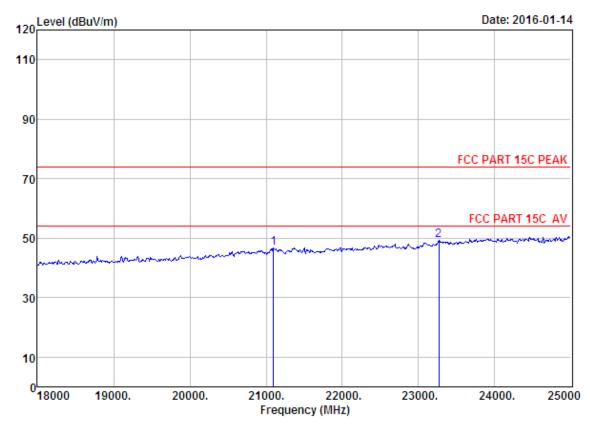
Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2441MHz

-	Factor	Factor	_	Level (dBuV/m)		Margin (dB)	Remark
21346.00 22536.00				46.69 48.33	74.00 74.00		Peak Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

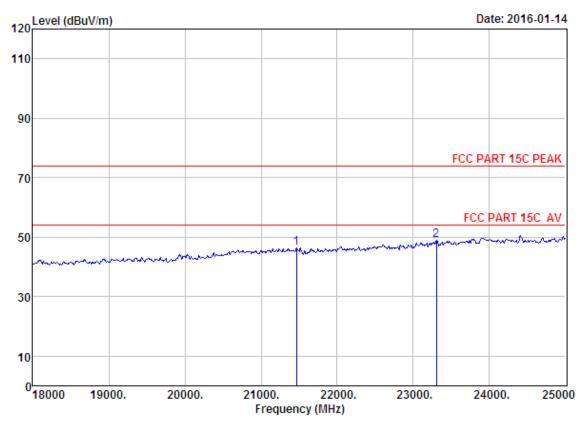
Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2441MHz

-	Factor	Cable Loss (dB)	Factor	_	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
21094.00 23264.00					46.70 49.31	74.00 74.00	27.30 24.69	Peak Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

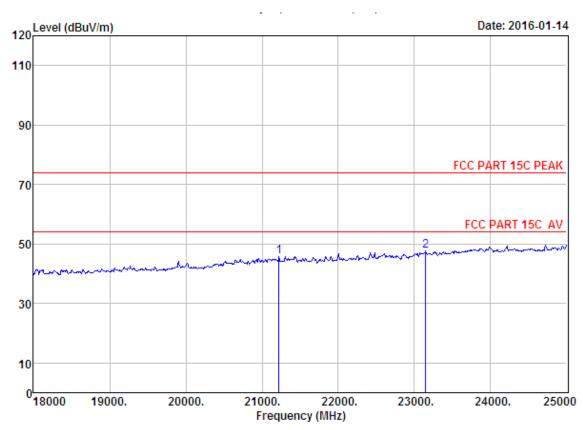
Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2480MHz

Freq.		-	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
21465.00 23306.00	 		46.43 48.85	74.00 74.00	27.57 25.15	Peak Peak

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





Site no. : 1# 966 chamber Data no. : 96
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2480MHz

-	Factor	Factor	_	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
21220.00 23145.00		 		45.86 47.54	74.00 74.00	28.14 26.46	Peak Peak

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



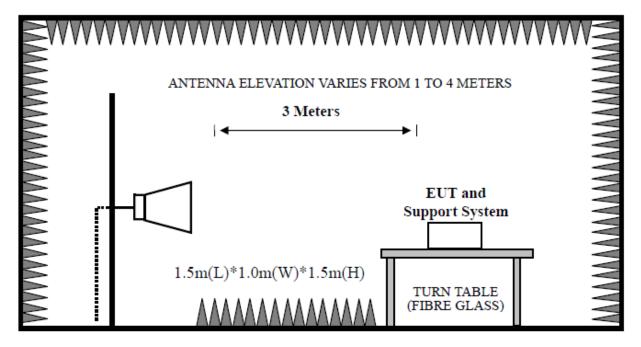
9. BAND EDGE COMPLIANCE

9.1. Limit

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

9.2. Block Diagram of Test setup

Above 1GHz



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9.3. 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.

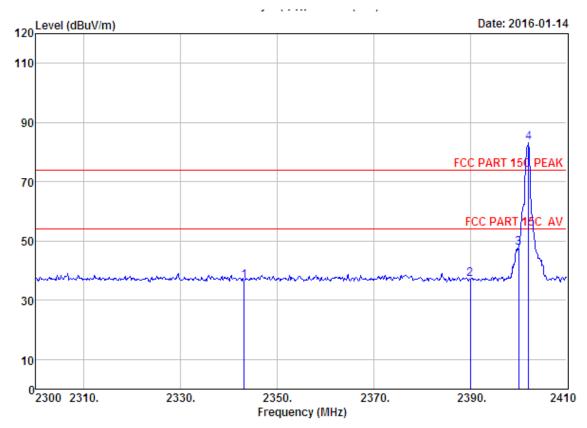
9.4. Test Result

EUT: Car Multimedia Player
M/N: VX3014
Power: DC 12V
Test date: 2016-01-14 Test site: 3m Chamber Tested by: Tony Tang
Test mode: Tx Mode (Hopping On & No Hopping)
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.

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9.5. Test Data



Site no. : 1# 966 chamber

Data no. : 67 Ant. pol. : HORIZONTAL Dis. / Ant. : 3m ANT 1-18G

: FCC PART 15C PEAK Limit

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

: Dick Engineer

EUT : Car Multimedia Player

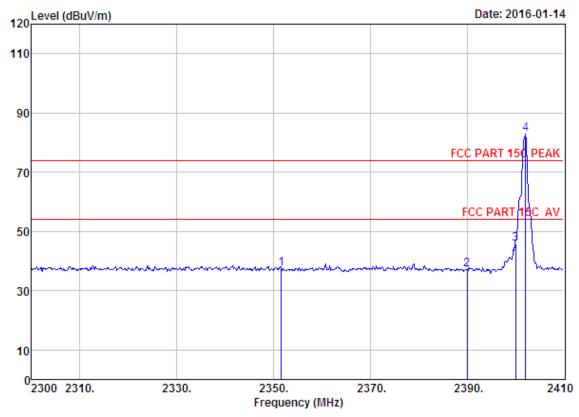
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2402MHz(No Hopping)

	Freq.			-	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2343.12	27.70	6.56	34.22	36.59	36.63	74.00	37.37	Peak
2	2390.00	27.64	6.62	34.19	37.15	37.22	74.00	36.78	Peak
3	2400.00	27.61	6.62	34.18	47.50	47.55	74.00	26.45	Peak
4	2402.08	27.61	6.62	34.18	83.04	83.09	74.00	-9.09	Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

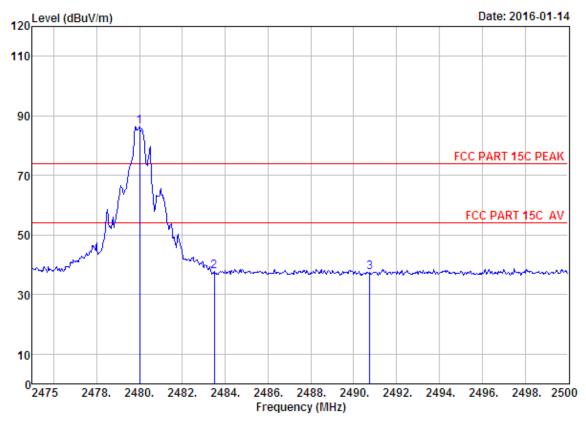
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2402MHz(No Hopping)

	Freq.		Loss	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2351.59	27.70	6.58	34.22	37.47	37.53	74.00	36.47	Peak
2	2390.00	27.64	6.62	34.19	36.96	37.03	74.00	36.97	Peak
3	2400.00	27.61	6.62	34.18	45.68	45.73	74.00	28.27	Peak
4	2402.08	27.61	6.62	34.18	82.95	83.00	74.00	-9.00	Peak

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





Site no. : 1# 966 chamber

Data no. : 73 Ant. pol. : HORIZONTAL : 3m ANT 1-18G Dis. / Ant.

: FCC PART 15C PEAK Limit

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

: Dick Engineer

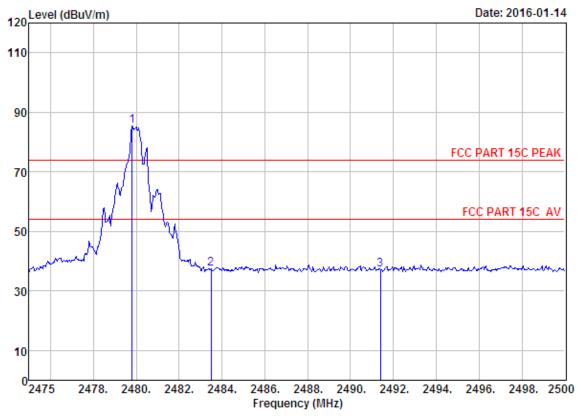
EUT : Car Multimedia Player

: DC 12V Power M/N : VX3014

: GFSK TX 2480MHz(No Hopping) Test Mode

	Freq.		Loss		Reading	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.00	27.58	6.71	34.03	86.17	86.43	74.00	-12.43	Peak
2	2483.50	27.58	6.71	34.03	37.60	37.86	74.00	36.14	Peak
3	2490.75	27.58	6.73	34.03	37.22	37.50	74.00	36.50	Peak

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



Site no. : 1# 966 chamber Data no. : 74
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

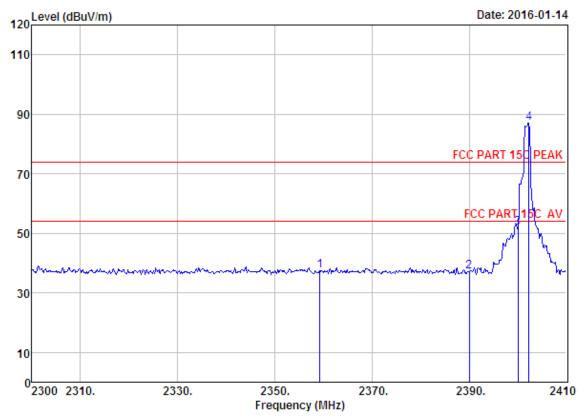
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2480MHz(No Hopping)

	Freq.	Loss	Reading	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
	2479.80			85.38	74.00	-11.38	Peak
2 3	2483.50 2491.40		37.15 36.94	37.41 37.22	74.00 74.00	36.59 36.78	Peak Peak

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





Site no. : 1# 966 chamber Data no. : 77
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

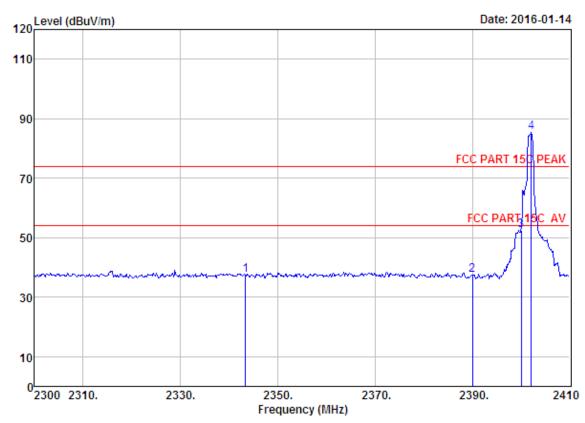
Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2402MHz(No Hopping)

	Freq.			-	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
 1	2359.29	27.67	6.58	34.20	37.26	37.31	74.00	36.69	Peak
2	2390.00	27.64	6.62	34.19	36.90	36.97	74.00	37.03	Peak
3	2400.00	27.61	6.62	34.18	51.65	51.70	74.00	22.30	Peak
4	2402.30	27.61	6.62	34.18	87.08	87.13	74.00	-13.13	Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

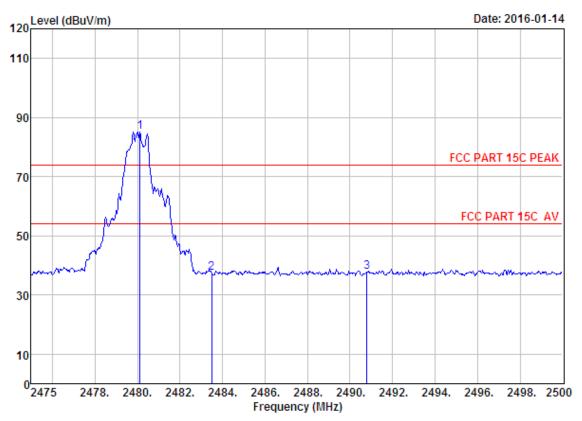
Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2402MHz (No Hopping)

	Freq.			-	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2343.34	27.70	6.56	34.22	37.38	37.42	74.00	36.58	Peak
2	2390.00	27.64	6.62	34.19	37.34	37.41	74.00	36.59	Peak
3	2400.00	27.61	6.62	34.18	52.29	52.34	74.00	21.66	Peak
4	2402.08	27.61	6.62	34.18	85.51	85.56	74.00	-11.56	Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

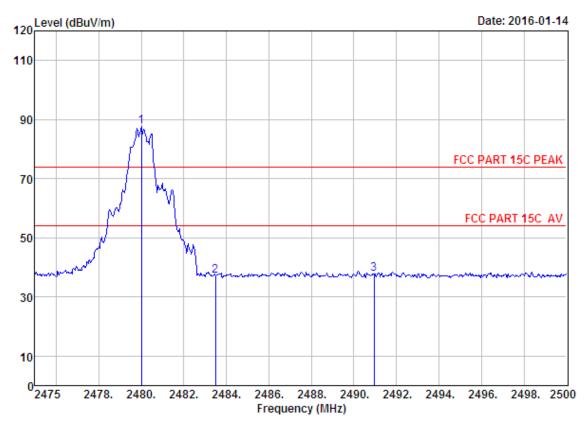
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2480MHz(No Hopping)

	Freq.			-	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.13	27.58	6.71	34.03	84.94	85.20	74.00	-11.20	Peak
2	2483.50	27.58	6.71	34.03	37.07	37.33	74.00	36.67	Peak
3	2490.80	27.58	6.73	34.03	37.37	37.65	74.00	36.35	Peak

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



Site no. : 1# 966 chamber Data no. : 84

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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

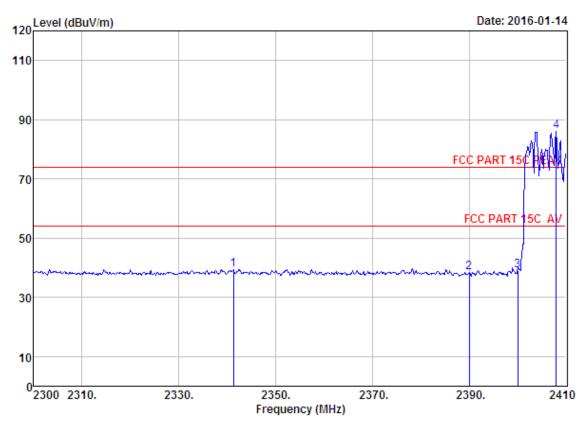
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2480MHz (No Hopping)

Margin (dB)	Remark
-13.60	Peak
37.01	Peak
36.27	Peak
	37.01

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



Site no. : 1# 966 chamber Data no. : 97
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

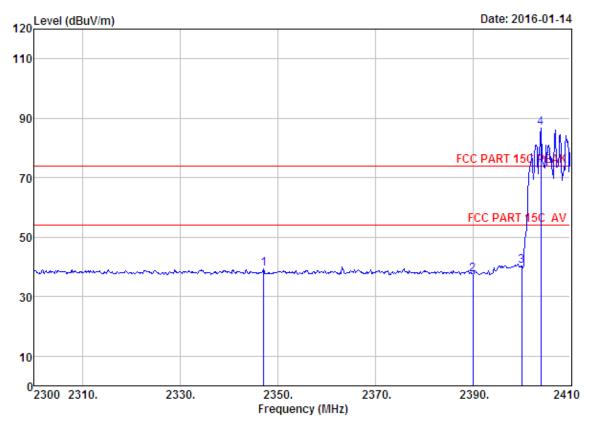
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2402MHz (Hopping On)

	Freq.			-	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2341.25	27.70	6.56	34.22	39.31	39.35	74.00	34.65	Peak
2	2390.00	27.64	6.62	34.19	38.35	38.42	74.00	35.58	Peak
3	2400.00	27.61	6.62	34.18	38.93	38.98	74.00	35.02	Peak
4	2408.02	27.61	6.64	34.18	86.09	86.16	74.00	-12.16	Peak

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



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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

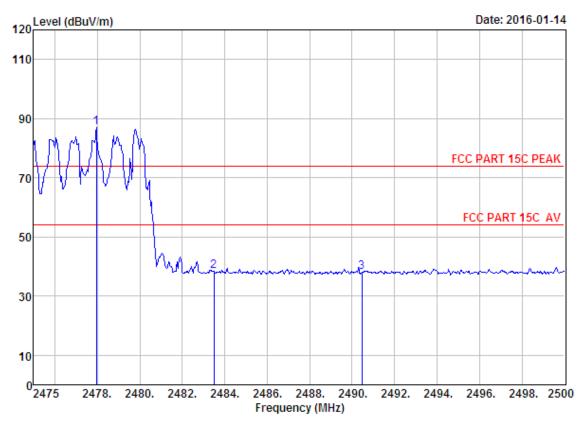
Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2402MHz (Hopping On)

	Freq.		Loss	Amp Factor (dB)	_	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2347.08	27.70	6.56	34.22	39.29	39.33	74.00	34.67	Peak
2	2390.00	27.64	6.62	34.19	37.30	37.37	74.00	36.63	Peak
3	2400.00	27.61	6.62	34.18	40.14	40.19	74.00	33.81	Peak
4	2403.95	27.61	6.64	34.18	86.74	86.81	74.00	-12.81	Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

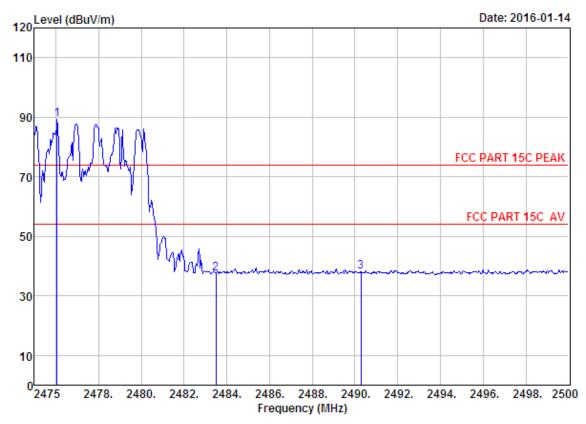
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2480MHz (Hopping On)

	Freq.			-		Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2477.95	27.58	6.71	34.03	86.72	86.98	74.00	-12.98	Peak
2	2483.50	27.58	6.71	34.03	37.98	38.24	74.00	35.76	Peak
3	2490.45	27.58	6.73	34.03	37.81	38.09	74.00	35.91	Peak

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



Site no. : 1# 966 chamber Data no. : 100
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

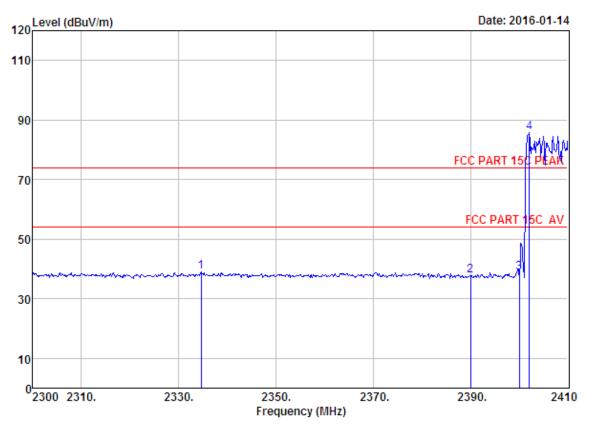
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : GFSK TX 2480MHz (Hopping On)

	Freq.		Loss		Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2476.05	27.58	6.71	34.06	88.93	89.16	74.00	-15.16	Peak
2	2483.50	27.58	6.71	34.03	37.21	37.47	74.00	36.53	Peak
3	2490.28	27.58	6.73	34.03	37.65	37.93	74.00	36.07	Peak

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



Site no. : 1# 966 chamber Data no. : 101
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

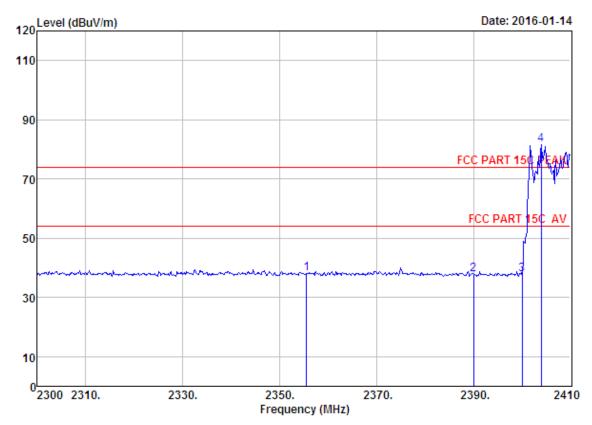
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2402MHz (Hopping On)

	Freq.			-	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2334.65	27.73	6.56	34.23	39.12	39.18	74.00	34.82	Peak
2	2390.00	27.64	6.62	34.19	37.59	37.66	74.00	36.34	Peak
3	2400.00	27.61	6.62	34.18	38.64	38.69	74.00	35.31	Peak
4	2402.08	27.61	6.62	34.18	85.75	85.80	74.00	-11.80	Peak

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



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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

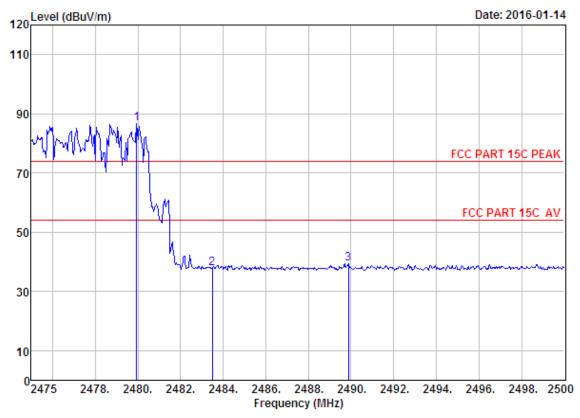
Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2402MHz (Hopping On)

		Freq. (MHz)		Loss	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
:	1	2355.55	27.70	6.58	34.22	38.03	38.09	74.00	35.91	Peak
	2	2390.00	27.64	6.62	34.19	37.82	37.89	74.00	36.11	Peak
	3	2400.00	27.61	6.62	34.18	37.81	37.86	74.00	36.14	Peak
4	4	2403.95	27.61	6.64	34.18	81.46	81.53	74.00	-7.53	Peak

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





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

Limit : FCC PART 15C PEAK

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

Engineer : Dick

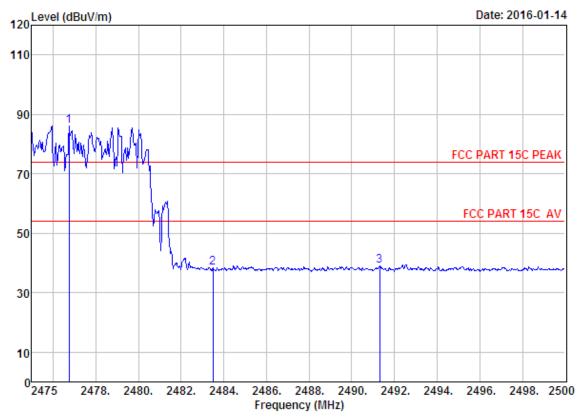
EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2480MHz (Hopping On)

	Freq.			Factor	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2479.95	27.58	6.71	34.03	86.45	86.71	74.00	-12.71	Peak
2	2483.50	27.58	6.71	34.03	37.34	37.60	74.00	36.40	Peak
3	2489.88	27.58	6.73	34.03	38.95	39.23	74.00	34.77	Peak

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



Site no. : 1# 966 chamber Data no. : 104
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL

Limit : FCC PART 15C PEAK

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

Engineer : Dick

EUT : Car Multimedia Player

Power : DC 12V M/N : VX3014

Test Mode : 8-DPSK TX 2480MHz (Hopping On)

	Freq.		Loss		_	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2476.75	27.58	6.71	34.06	85.79	86.02	74.00	-12.02	Peak
2	2483.50	27.58	6.71	34.03	38.25	38.51	74.00	35.49	Peak
3	2491.30	27.58	6.73	34.03	38.63	38.91	74.00	35.09	Peak

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

10. ANTENNA REQUIREMENTS

10.1.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.

10.2.Result

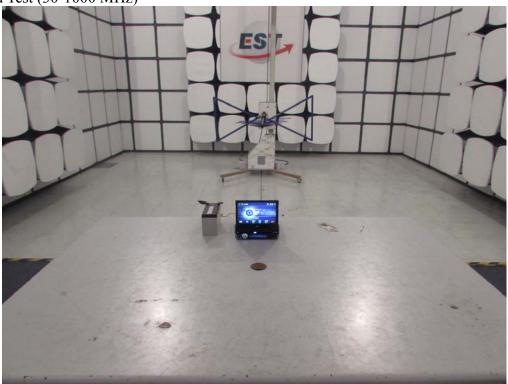
The antennas used for this product are Integrated PCB antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 1 dBi.

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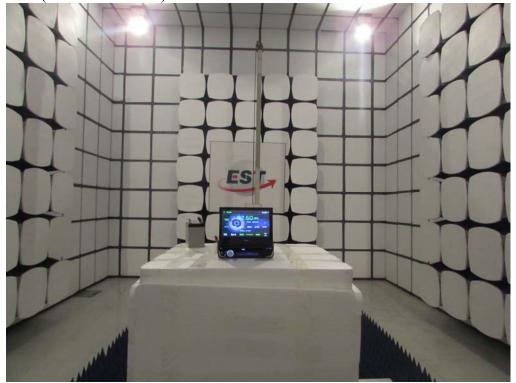


11. TEST SETUP PHOTO

Radiated Test (30-1000 MHz)



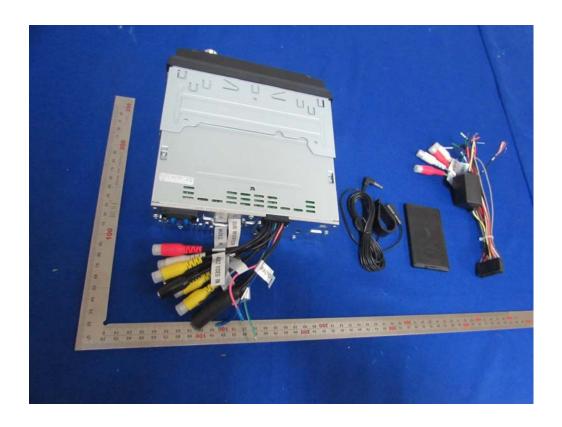
Radiated Test (1000-25000 MHz)



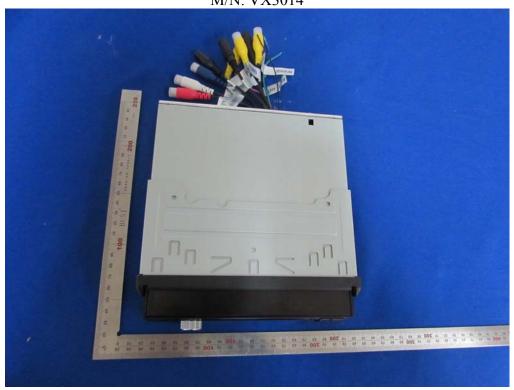
12.PHOTOS OF EUT

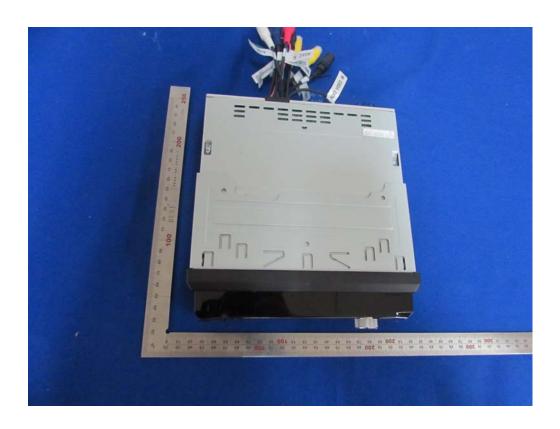
External Photos M/N: VX3014





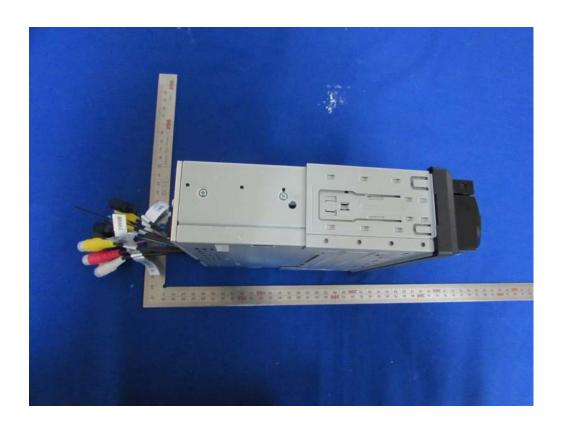
External Photos M/N: VX3014





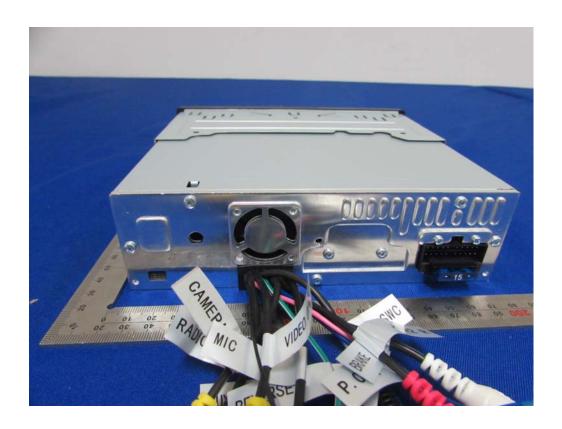
External Photos M/N: VX3014





External Photos M/N: VX3014



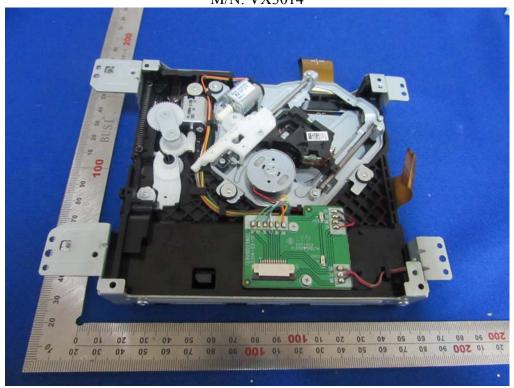


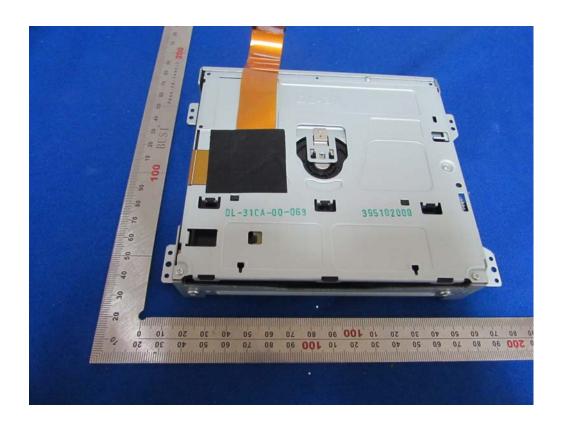
Internal Photos M/N: VX3014



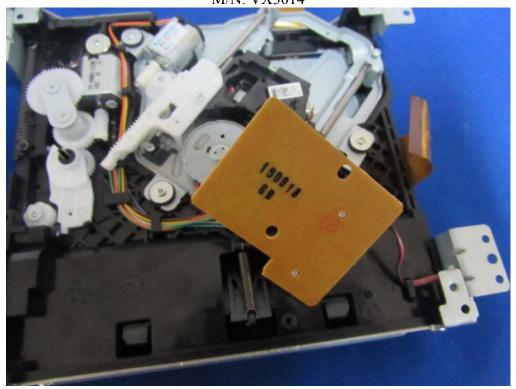


Internal Photos M/N: VX3014





Internal Photos M/N: VX3014













M/N: VX3014

Bluetooth Antenna







