



CFR 47 FCC PART 15 SUBPART C ISED RSS-247 Issue 3

TEST REPORT

For

Open Wearable Stereo Gaming Earbuds

MODEL NUMBER: EDF700065

REPORT NUMBER: 4791228261-1-RF-1

ISSUE DATE: April 18, 2024

FCC ID: Z9G-EDF239 IC: 10004A-EDF239

Prepared for

Edifier International Limited P.O. Box 6264 General Post Office Hong Kong

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch

Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China

> Tel: +86 769 22038881 Fax: +86 769 33244054 Website: www.ul.com

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	April 18, 2024	Initial Issue	



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Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Antenna Requirement	N/A	FCC 15.203 RSS-GEN Clause 6.8	Pass
AC Power Line Conducted Emission	ANSI C63.10-2013 Clause 6.2	FCC Part 15.207	N/A
Conducted Output Power	ANSI C63.10-2013 Clause 7.8.5	FCC 15.247 (b) (1) RSS-247 Clause 5.1 (b)	Pass
20 dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2013 Clause 6.9.2	FCC 15.247 (a) (1) RSS-247 Clause 5.1 (a) RSS-Gen Clause 6.7	Pass
Carrier Hopping Channel Separation	ANSI C63.10-2013 Clause 7.8.2	FCC 15.247 (a) (1) RSS-247 Clause 5.1 (b)	Pass
Number of Hopping Frequency	ANSI C63.10-2013 Clause 7.8.3	15.247 (a) (1) III RSS-247 Clause 5.1 (d)	Pass
Time of Occupancy (Dwell Time)	ANSI C63.10-2013 Clause 7.8.4	15.247 (a) (1) III RSS-247 Clause 5.1 (d)	Pass
Conducted Bandedge and Spurious Emission	ANSI C63.10-2013 Clause 6.10.4 & Clause 7.8.8	FCC 15.247 (d) RSS-247 Clause 5.5	Pass
Duty Cycle	ANSI C63.10-2013, Clause 11.6	None; for reporting purposes only.	Pass
Radiated Band edge and Spurious Emission ANSI C63.10-2013 Clause 6.3 & 6.5 & 6.6		FCC 15.247 (d) FCC 15.209 FCC 15.205 RSS-247 Clause 5.5 RSS-GEN Clause 8.9 RSS-GEN Clause 8.10	Pass

Note:

ISED RSS-247 Issue 3> when <Simple Acceptance> decision rule is applied.

^{1.} N/A: In this whole report not applicable.

^{*}This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

^{*}The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SURPART C



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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Edifier International Limited

Address: P.O. Box 6264 General Post Office Hong Kong

Manufacturer Information

Company Name: Dongguan Edifier Esports Technology Co.,Ltd

Address: Room 2001, 20F, D1 Building, Everbright We Valley, No.15,

Science and Technology 4th Road, SongshanLake, Dongguan,

Guar

523808, China

EUT Information

EUT Name: Open Wearable Stereo Gaming Earbuds

Model: EDF700065

Brand: EDIFIER; HECATE Sample Received Date: March 26, 2024

Sample Status: Normal Sample ID: 7057292

Date of Tested: March 27, 2024 to April 18, 2024

APPLICABLE STANDARDS			
STANDARD TEST RESULTS			
CFR 47 FCC PART 15 SUBPART C ISED RSS-247 Issue 3	Pass		

Prepared By: Checked By:

Fanny Huang Denny Huang

Engineer Project Associate Senior Project Engineer

Approved By:

Stephen Guo

Operations Manager



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2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART C ISED RSS-247 Issue 3, KDB 558074 D01 15.247 Meas Guidance v05r02, 414788 D01 Radiated Test Site v01r01, CFR 47 FCC Part 2,ANSI C63.10-2013 and ISED RSS-GEN Issue 5.

3. FACILITIES AND ACCREDITATION

	A2LA (Certificate No.: 4102.01)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with A2LA.
	FCC (FCC Designation No.: CN1187)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	Has been recognized to perform compliance testing on equipment subject
	to the Commission's Declaration of Conformity (DoC) and Certification
	rules
	ISED (Company No.: 21320)
Accreditation	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Certificate	has been registered and fully described in a report filed with ISED.
	The Company Number is 21320 and the test lab Conformity Assessment
	Body Identifier (CABID) is CN0046.
	VCCI (Registration No.: G-20192, C-20153, T-20155 and R-20202)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with VCCI, the
	Membership No. is 3793.
	Facility Name:
	Chamber D, the VCCI registration No. is G-20192 and R-20202
	Shielding Room B, the VCCI registration No. is C-20153 and T-20155

Note 1:

All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China.

Note 2:

The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3:

For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.



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4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty			
Conduction emission	3.62 dB			
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB			
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB			
Radiated Emission	5.78 dB (1 GHz ~ 18 GHz)			
(Included Fundamental Emission) (1 GHz to 26 GHz)	5.23 dB (18 GHz ~ 26 GHz)			
Duty Cycle	±0.028%			
20dB Emission Bandwidth and 99% Occupied Bandwidth	±0.0196%			
Carrier Frequency Separation	±1.9%			
Maximum Conducted Output Power	±0.743 dB			
Number of Hopping Channel	±1.9%			
Time of Occupancy	±0.028%			
Conducted Band-edge Compliance	±1.328 dB			
Conducted Unwanted Emissions In Non-restricted	±0.746 dB (9 kHz ~ 1 GHz)			
Frequency Bands	±1.328dB (1 GHz ~ 26 GHz)			
Note: This uncertainty represents an expanded uncertainty expressed at approximately the				

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



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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Open Wearable Stereo Gaming Earbuds
Model	EDF700065

Frequency Range:	2402 MHz to 2480 MHz	
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)	
Type of Modulation:	GFSK, II/4DQPSK, 8DPSK	
Battery:	DC 3.7 V	

Note: Left earphone and right earphone have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction. The difference lies only the appearance and this difference do not degrade the unwanted emissions of the certified product. So only the test data of the right earphone were recorded in the report.

5.2. CHANNEL LIST

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2422	40	2442	60	2462
01	2403	21	2423	41	2443	61	2463
02	2404	22	2424	42	2444	62	2464
03	2405	23	2425	43	2445	63	2465
04	2406	24	2426	44	2446	64	2466
05	2407	25	2427	45	2447	65	2467
06	2408	26	2428	46	2448	66	2468
07	2409	27	2429	47	2449	67	2469
08	2410	28	2430	48	2450	68	2470
09	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461	/	/

5.3. MAXIMUM POWER

Test Mode	Frequency (MHz)	Channel Number	Maximum Peak Output Power (dBm)
GFSK	2402 ~ 2480	0-78[79]	7.61
8DPSK	2402 ~ 2480	0-78[79]	7.90



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5.4. TEST CHANNEL CONFIGURATION

Test Mode	Test Channel	Frequency	
GFSK-DH5 CH 00(Low Channel), CH 39(MID Channel), CH 78(High Channel)		2402 MHz, 2441 MHz, 2480 MHz	
8DPSK-3DH5 CH 00(Low Channel), CH 39(MID Channel), CH 78(High Channel)		2402 MHz, 2441 MHz, 2480 MHz	
GFSK-DH5	Hopping		
8DPSK-3DH5	Hopping		

PACKET TYPE CONFIGURATION

Test Mode	Packet Type	Setting (Packet Length)
	DH1	27
GFSK	DH3	183
	DH5	339
	2-DH1	54
∏/4-DQPSK	2-DH3	367
	2-DH5	679
	3-DH1	83
8DPSK	3-DH3	552
	3-DH5	1021



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5.5. THE WORSE CASE POWER SETTING PARAMETER

WORST-CASE CONFIGURATIONS

Bluetooth Mode	Modulation Technology	Modulation Type	Data Rate (Mbps)
BR	FHSS	GFSK	1Mbit/s
EDR	FHSS	8DPSK	3Mbit/s

Note: Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates.

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band						
Test So	oftware	RTLBTAPP				
Modulation Type	Transmit Antenna	Test Software setting value				
Woodilation Type	Number	CH 00	CH 39	CH 78		
GFSK	1	default	default	default		
8DPSK	1	default default default				

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)	
1	2402-2480	FPC Antenna	1.44	

Test Mode	Transmit and Receive Mode	Description
GFSK	⊠1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.
8DPSK	⊠1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.



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5.7. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	Lenovo	E42-80	R303U5AG

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	/	/	1.0	/

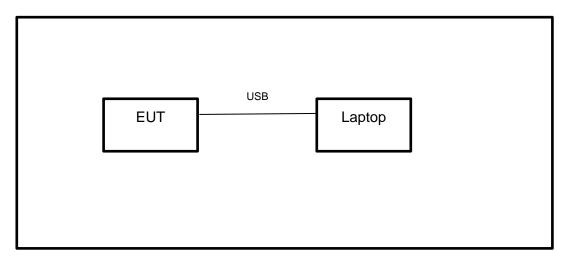
ACCESSORIES

Item	Accessory	Brand Name	Model Name	Description
/	/	/	/	/

TEST SETUP

The EUT can work in engineering mode with a software through a Laptop.

SETUP DIAGRAM FOR TESTS





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6. MEASURING EQUIPMENT AND SOFTWARE USED

R&S TS 8997 Test System										
Equipment		Mai	nufac	turer	Model I	No.	Serial No.	Last C	Cal.	Due. Date
Power sensor, Power M	leter	eter R&S			OSP1	20	100921	Mar.25,	2024	Mar.24, 2025
Vector Signal General	tor		R&S	;	SMBV1	00A	261637	Oct.12,	2023	Oct.11, 2024
Signal Generator			R&S		SMB10	00A	178553	Oct.12,	2023	Oct.11, 2024
Signal Analyzer			R&S	3	FSV4	0	101118	Oct.12,	2023	Oct.11, 2024
					Softwa	re				
Description			N	/lanuf	acturer		Nam	е		Version
For R&S TS 8997 Test	Syste	em	Rol	nde &	Schwar	z	EMC	32		10.60.10
Tonsend RF Test System										
Equipment	Man	ufac	turer	Mod	del No.	S	erial No.	Last Cal.		Due. Date
Wideband Radio Communication Tester		R&S	R&S CN		W500	155523		Oct.12, 2023		Oct.11, 2024
Wireless Connectivity Tester		R&S	3	СМ	W270	120 ⁻	1.0002N75- 102	Sep.25,	2023	Sep.24, 2024
PXA Signal Analyzer	Ke	eysiç	ght	N9	030A	MY	′55410512	Oct.12,	2023	Oct.11, 2024
MXG Vector Signal Generator	Ke	eysig	ght	N5	182B	MY	′56200284	Oct.12,	2023	Oct.11, 2024
MXG Vector Signal Generator	Ke	eysig	ght	N5	172B	MY	′56200301	Oct.12,	2023	Oct.11, 2024
DC power supply	Ke	eysiç	ght	E3	642A MY5		′55159130	Oct.12,	2023	Oct.11, 2024
Temperature & Humidity Chamber	IAS	NMC	OOD	SG-8	80-CC-2		2088	Oct.12,	2023	Oct.11, 2024
Attenuator	А	glie	nt	84	195B	28	14a12853	Oct.12,	2023	Oct.11, 2024
RF Control Unit	То	nscend JS0		806-2	23E	380620666	April 18,	2023	April 17, 2024	
					Softwa	re				
Description		Mar	nufact	urer	Name Version			Version		
Tonsend SRD Test Syst	tem	To	onser	nd	JS1	120-3	3 RF Test S	ystem		V3.2.22



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Conducted Emissions								
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date			
EMI Test Receiver	R&S	ESR3	101961	Oct.13, 2023	Oct.12, 2024			
Two-Line V- Network	R&S	ENV216	101983	Oct.13, 2023	Oct.12, 2024			
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Oct.13, 2023	Oct.12, 2024			
	Software							
I	Description		Manufacturer	Name	Version			
Test Software	for Conducted	Emissions	Farad	EZ-EMC	Ver. UL-3A1			

Radiated Emissions								
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date			
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Oct.12, 2023	Oct.11, 2024			
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	Aug.02, 2021	Aug.01, 2024			
Preamplifier	HP	8447D	2944A09099	Oct.12, 2023	Oct.11, 2024			
EMI Measurement Receiver	R&S	ESR26	101377	Oct.12, 2023	Oct.11, 2024			
Horn Antenna	TDK	HRN-0118	130940	July 20, 2021	July 19, 2024			
Preamplifier	TDK	PA-02-0118	TRS-305- 00067	Oct.12, 2023	Oct.11, 2024			
Horn Antenna	Schwarzbeck	BBHA9170	697	July 20, 2021	July 19, 2024			
Preamplifier	TDK	PA-02-2	TRS-307- 00003	Oct.12, 2023	Oct.11, 2024			
Preamplifier	TDK	PA-02-3	TRS-308- 00002	Oct.12, 2023	Oct.11, 2024			
Loop antenna	Schwarzbeck	1519B	80000	Dec.14, 2021	Dec.13, 2024			
Preamplifier	TDK	PA-02-001- 3000	TRS-302- 00050	Oct.12, 2023	Oct.11, 2024			
High Pass Filter	Wi	WHKX10- 2700-3000- 18000-40SS	23	Oct.12, 2023	Oct.11, 2024			
Band Reject Filter	Wainwright	WRCJV8- 2350-2400- 2483.5- 2533.5-40SS	4	Oct.12, 2023	Oct.11, 2024			
		So	ftware					
]	Description		Manufacturer	Name	Version			
Test Software	for Radiated E	missions	Farad	EZ-EMC	Ver. UL-3A1			



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Other Instrument								
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date			
Temperature humidity probe	OMEGA	ITHX-SD-5	18470007	Oct.21, 2023	Oct.20, 2024			
Barometer	Yiyi	Baro	N/A	Oct.19, 2023	Oct.18, 2024			
Attenuator	Agilent	8495B	2814a12853	Oct.12, 2023	Oct.11, 2024			



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7. ANTENNA PORT TEST RESULTS

7.1. CONDUCTED OUTPUT POWER

LIMITS

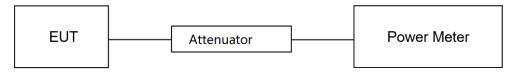
CFR 47 FCC Part15 (15.247), Subpart C ISED RSS-247 ISSUE 3			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247 (b) (1) ISED RSS-247 Clause 5.4 (b)	Peak Conducted Output Power	Hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel: 1 watt or 30 dBm; Hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel: 125 mW or 21 dBm	2400-2483.5

TEST PROCEDURE

Connect the EUT to a low loss RF cable from the antenna port to the power sensor (video bandwidth is greater than the occupied bandwidth).

Measure peak emission level, the indicated level is the peak output power, after any corrections for external attenuators and cables.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.1℃	Relative Humidity	55.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.7

TEST DATE / ENGINEER

Test Date	April 12, 2024	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix C



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7.2. 20 DB BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

CFR 47FCC Part15 (15.247) Subpart C ISED RSS-247 ISSUE 3			
Section Test Item Limit Frequency Rang (MHz)			Frequency Range (MHz)
CFR 47 FCC 15.247 (a) (1) RSS-247 Clause 5.1 (a)	20 dB Bandwidth	None; for reporting purposes only.	2400-2483.5
ISED RSS-Gen Clause 6.7	99 % Occupied Bandwidth	None; for reporting purposes only.	2400-2483.5

TEST PROCEDURE

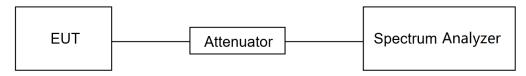
Refer to ANSI C63.10-2013 clause 6.9.2.

Connect the EUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 20 dB Bandwidth: 1 % to 5 % of the 20 dB bandwidth For 99 % Occupied Bandwidth: 1 % to 5 % of the occupied bandwidth
VBW	For 20 dB Bandwidth: approximately 3×RBW For 99 % Occupied Bandwidth: ≥ 3×RBW
Span	Approximately 2 to 3 times the 20dB bandwidth
Trace	Max hold
Sweep	Auto couple

a) Use the occupied bandwidth function of the instrument, allow the trace to stabilize and report the measured 99 % occupied bandwidth and 20 dB Bandwidth.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.1°C	Relative Humidity	55.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.7

TEST DATE / ENGINEER

Test Date A	April 12, 2024	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix A&B

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7.3. CARRIER HOPPING CHANNEL SEPARATION

LIMITS

CFR 47 FCC Part15 (15.247), Subpart C ISED RSS-247 ISSUE 3			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247 (a) (1) ISED RSS-247 Clause 5.1 (b)	Carrier Frequency Separation	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.	2400-2483.5

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 7.8.2.

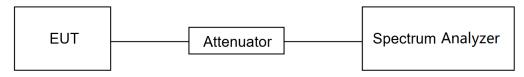
Connect the EUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Span	wide enough to capture the peaks of two adjacent channels
Detector	Peak
RBW	Start with the RBW set to approximately 30 % of the channel spacing; adjust as necessary to best identify the center of each individual channel.
VBW	≥RBW
Trace	Max hold
Sweep time	Auto couple

Allow the trace to stabilize and use the marker-delta function to determine the separation between the peaks of the adjacent channels.

Compliance of an EUT with the appropriate regulatory limit shall be determined.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.1℃	Relative Humidity	55.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.7



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TEST DATE / ENGINEER

Test Date	April 12, 2024	Test Bv	Walker Yuan
1001 2010	, .p, 202 .		Trainer radii

TEST RESULTS

Please refer to section "Test Data" - Appendix D



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7.4. NUMBER OF HOPPING FREQUENCY

LIMITS

CFR 47 FCC Part15 (15.247), Subpart C ISED RSS-247 ISSUE 3			
Section Test Item Limit			
CFR 47 15.247 (a) (1) III ISED RSS-247 Clause 5.1 (d)	Number of Hopping Frequency	at least 15 hopping channels	

TEST PROCEDURE

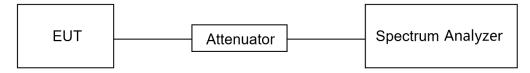
Refer to ANSI C63.10-2013 clause 7.8.3.

Connect the EUT to the spectrum Analyzer and use the following settings:

Detector	Peak
RBW	To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.
VBW	≥RBW
Span	The frequency band of operation. Depending on the number of channels the device supports, it may be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen.
Trace	Max hold
Sweep time	Auto couple

Set EUT to transmit maximum output power and switch on frequency hopping function. then set enough count time (larger than 5000 times) to get all the hopping frequency channel displayed on the screen of spectrum analyzer, count the quantity of peaks to get the number of hopping channels.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.1°C	Relative Humidity	55.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.7

TEST DATE / ENGINEER

Test Date	April 12, 2024	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix F



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7.5. TIME OF OCCUPANCY (DWELL TIME)

LIMITS

CFR 47 FCC Part15 (15.247), Subpart C ISED RSS-247 ISSUE 3			
Section Test Item Limit			
CFR 47 15.247 (a) (1) III ISED RSS-247 Clause 5.1 (d)	Time of Occupancy (Dwell Time)	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.	

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 7.8.4.

Connect the EUT to the spectrum Analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	1 MHz
VBW	≥RBW
Span	Zero span, centered on a hopping channel
Trace	Max hold
Sweep time	As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel

Use the marker-delta function to determine the transmit time per hop (Burst Width). If this value varies with different modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this test for each variation in transmit time.

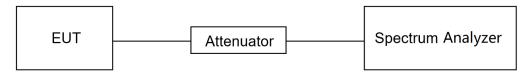
For FHSS Mode (79 Channel):

DH1/3DH1 Dwell Time: Burst Width * (1600/2) * 31.6 / (channel number) DH3/3DH3 Dwell Time: Burst Width * (1600/4) * 31.6 / (channel number) DH5/3DH5 Dwell Time: Burst Width * (1600/6) * 31.6 / (channel number)

For AFHSS Mode (20 Channel):

DH1/3DH1 Dwell Time: Burst Width * (800/2) * 8 / (channel number) DH3/3DH3 Dwell Time: Burst Width * (800/4) * 8 / (channel number) DH5/3DH5 Dwell Time: Burst Width * (800/6) * 8 / (channel number)

TEST SETUP





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TEST ENVIRONMENT

Temperature	23.1°C	Relative Humidity	55.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.7

TEST DATE / ENGINEER

Test Date	April 12, 2024	Test Bv	Fanny Huang
	•	,	, ,

TEST RESULTS

Please refer to section "Test Data" - Appendix E



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7.6. CONDUCTED BANDEDGE AND SPURIOUS EMISSION

LIMITS

CFR 47 FCC Part15 (15.247), Subpart C ISED RSS-247 ISSUE 3				
Section Test Item Limit				
CFR 47 FCC §15.247 (d) ISED RSS-247 5.5	Conducted Spurious Emission	at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power		

TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 7.8.6 and 7.8.8.

Connect the EUT to the spectrum analyzer and use the following settings for reference level measurement:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	≥3 × RBW
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level.

Change the settings for emission level measurement:

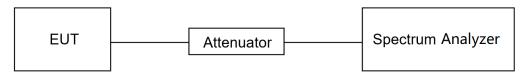
ISnan	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	≥3 × RBW
measurement points	≥span/RBW
Trace	Max hold
Sweep time	Auto couple.

Allow trace to fully stabilize and use the peak marker function to determine the maximum PSD level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum



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TEST SETUP



TEST ENVIRONMENT

Temperature	23.1°C	Relative Humidity	55.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.7

TEST DATE / ENGINEER

T + D +	A '' 40 0004	-	
Test Date	April 12, 2024	Test Bv	Walker Yuan
1 Ook Date	7 Pin 12, 2021	1 COL Dy	I vanci i aari

TEST RESULTS

Please refer to section "Test Data" - Appendix G&H



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7.7. DUTY CYCLE

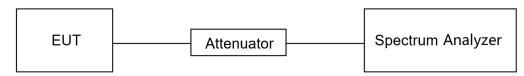
LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Refer to ANSI C63.10-2013 Zero – Span Spectrum Analyzer method.

TEST SETUP



TEST ENVIRONMENT

Temperature	23.1℃	Relative Humidity	55.9%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.7

TEST DATE / ENGINEER

T1 D-1-	A == =: 1 40 0004	T1 D.	\A/=II\
Test Date	April 12, 2024	Test By	Walker Yuan

TEST RESULTS

Please refer to section "Test Data" - Appendix I



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8. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205 and §15.209.

Please refer to ISED RSS-GEN Clause 8.9 and Clause 8.10.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz-1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range Field Strength Limit (MHz) (uV/m) at 3 m		Field Strer (dBuV/m	· ·
(IVIF1Z)	(uV/m) at 3 m	Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
Above 1000		74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz			
Frequency (MHz) Field strength (microvolts/meter) Measurement distance (meters)			
0.009-0.490	2400/F(kHz)	300	
0.490-1.705	24000/F(kHz)	30	
1.705-30.0	30	30	

ISED General field strength limits at frequencies below 30 MHz

Table 6 – General field strength limits at frequencies below 30 MHz			
Frequency	Magnetic field strength (H-Field) (μA/m)	Measurement distance (m)	
9 - 490 kHz ^{Note 1}	6.37/F (F in kHz)	300	
490 - 1705 kHz	63.7/F (F in kHz)	30	
1.705 - 30 MHz	0.08	30	

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

UL Solutions

ISED Restricted bands please refer to ISED RSS-GEN Clause 8.10

MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	158.52475 - 158.52525	9.3 - 9.5
2.1735 - 2.1905	158.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 – 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
8.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1845.5 - 1848.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3280 - 3287	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 – 138		
	ds listed in table 7 and in bands above 38.6	

FCC Restricted bands of operation refer to FCC §15.205 (a):

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)
13.36-13.41			

Note: 1 Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. 2 Above 38.6c



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TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.
- 2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80 cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
- 5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
- 6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode remeasured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the guasi-peak and average detector and reported.
- 7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.
- 8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.



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Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80 cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.



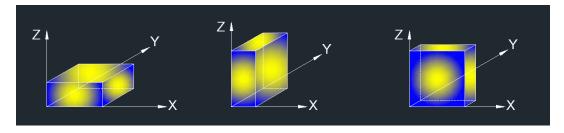
Above 1 GHz

The setting of the spectrum analyzer

RBW	1 MHz
1\/B\/\/	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.6.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 1.5 m above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
- 6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.7. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.



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For Restricted Bandedge:

Note:

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. PK=Peak: Peak detector.
- 4. AV=Average: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.7.
- 6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
- 7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
- 8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
- 3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
- 4. All modes have been tested, but only the worst data was recorded in the report.
- 5. $dBuA/m = dBuV/m 20Log10[120\pi] = dBuV/m 51.5$

For Radiate Spurious Emission (30 MHz ~ 1 GHz):

Note:

- 1. Result Level = Read Level + Correct Factor.
- 2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
- 3. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (1 GHz ~ 3 GHz):

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.7.
- 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
- 8. All modes have been tested, but only the worst data was recorded in the report.

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For Radiate Spurious Emission (3 GHz ~ 18 GHz):

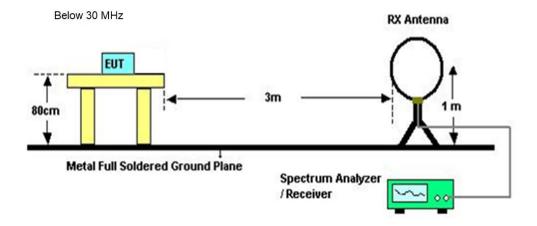
Note:

- 1. Peak Result = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.7.
- 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
- 8. All modes have been tested, but only the worst data was recorded in the report.

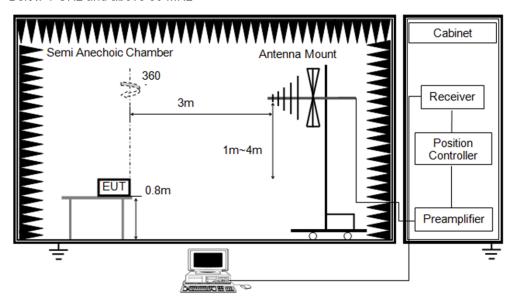
For Radiate Spurious emission (18 GHz ~ 26 GHz): Note:

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. All modes have been tested, but only the worst data was recorded in the report.

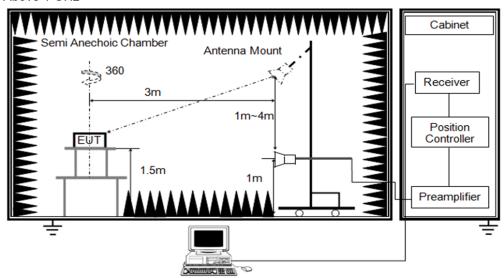
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1 GHz



TEST ENVIRONMENT

Temperature	23.8°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	

TEST DATE / ENGINEER

<u></u>			
Test Date	April 17, 2024	Test By	Mason Wang

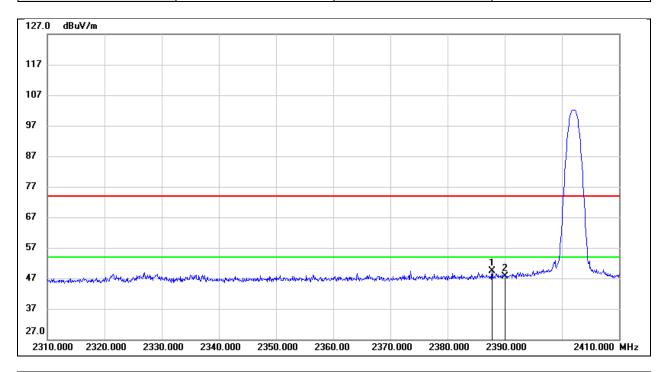
TEST RESULTS



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8.1. RESTRICTED BANDEDGE

Test Mode:	GFSK PK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

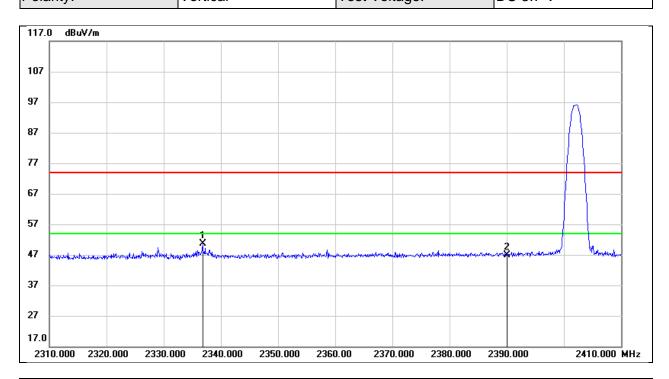


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2387.800	16.41	32.91	49.32	74.00	-24.68	peak
2	2390.000	14.59	32.92	47.51	74.00	-26.49	peak



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Test Mode: GFSK PK Frequency(MHz): 2402
Polarity: Vertical Test Voltage: DC 3.7 V

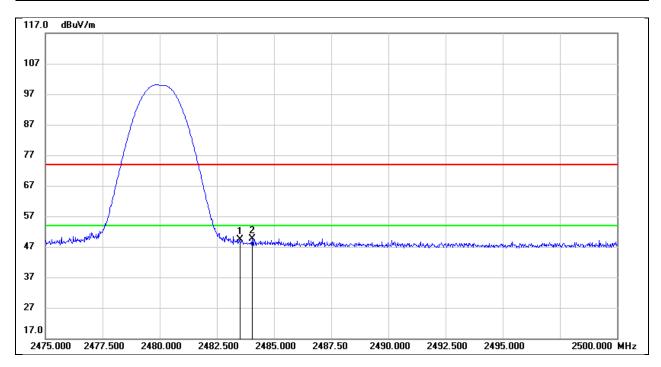


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2336.800	17.92	32.64	50.56	74.00	-23.44	peak
2	2390.000	14.05	32.92	46.97	74.00	-27.03	peak



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Test Mode:	GFSK PK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

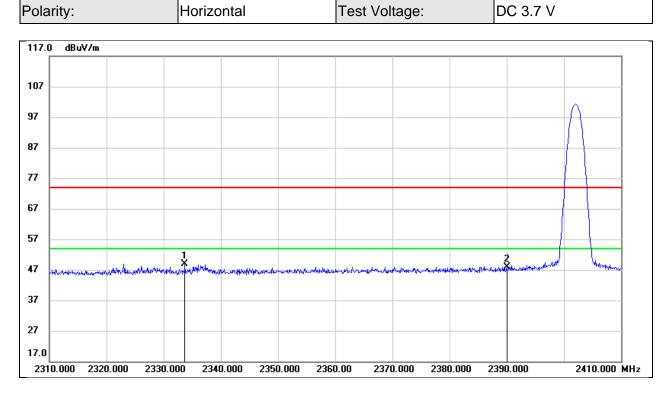


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	16.54	32.94	49.48	74.00	-24.52	peak
2	2484.050	16.68	32.94	49.62	74.00	-24.38	peak



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Test Mode: 8DPSK PK Frequency(MHz): 2402

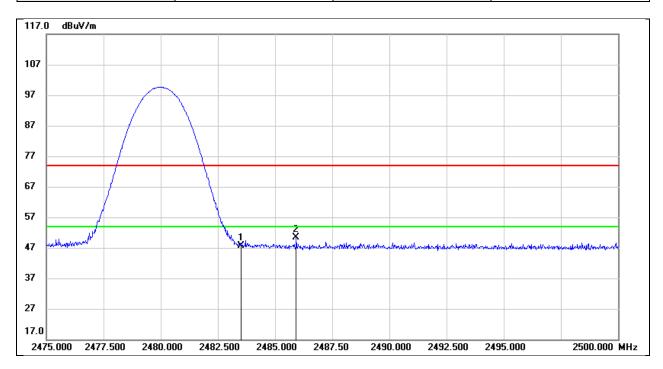


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2333.700	16.19	32.62	48.81	74.00	-25.19	peak
2	2390.000	14.96	32.92	47.88	74.00	-26.12	peak



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Test Mode:	8DPSK PK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.7 V



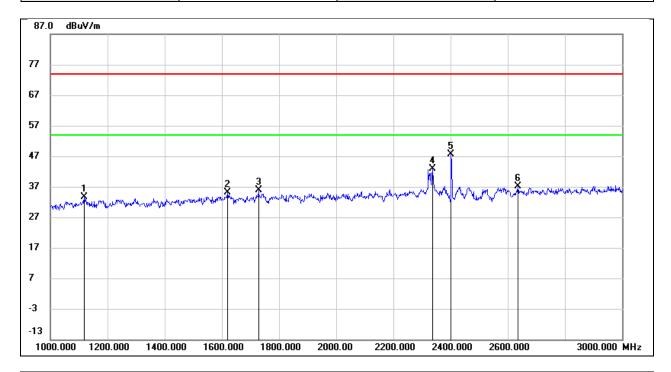
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	14.76	32.94	47.70	74.00	-26.30	peak
2	2485.925	17.41	32.93	50.34	74.00	-23.66	peak



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8.2. SPURIOUS EMISSIONS(1 GHZ~3 GHZ)

Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

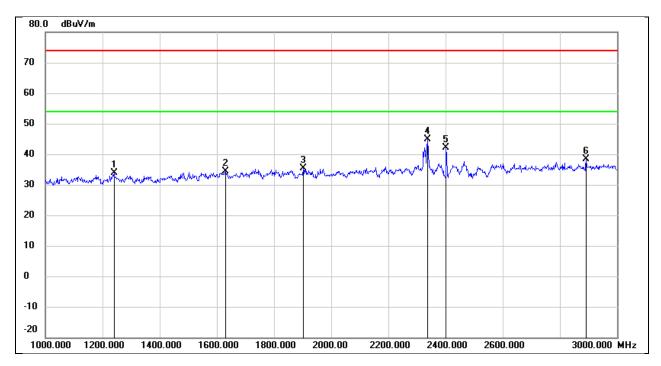


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1118.000	46.99	-13.37	33.62	74.00	-40.38	peak
2	1620.000	46.15	-11.07	35.08	74.00	-38.92	peak
3	1728.000	46.46	-10.57	35.89	74.00	-38.11	peak
4	2338.000	50.84	-7.85	42.99	74.00	-31.01	peak
5	2402.000	55.15	-7.40	47.75	/	/	fundamental
6	2636.000	44.70	-7.52	37.18	74.00	-36.82	peak



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Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.7 V

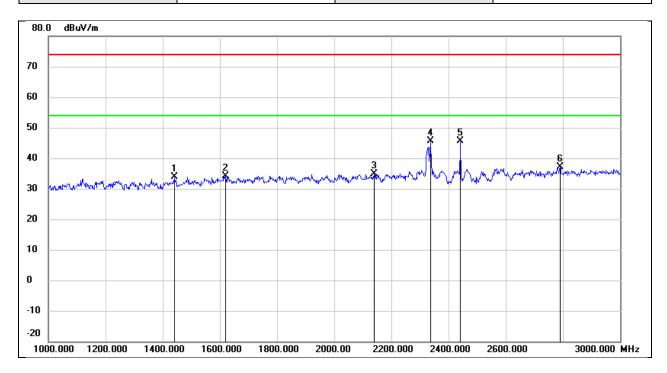


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1240.000	46.52	-12.59	33.93	74.00	-40.07	peak
2	1630.000	45.41	-11.03	34.38	74.00	-39.62	peak
3	1902.000	45.61	-10.18	35.43	74.00	-38.57	peak
4	2338.000	52.75	-7.85	44.90	74.00	-29.10	peak
5	2402.000	49.41	-7.40	42.01	/	/	fundamental
6	2892.000	44.76	-6.38	38.38	74.00	-35.62	peak



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Test Mode:	GFSK	Frequency(MHz):	2441
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

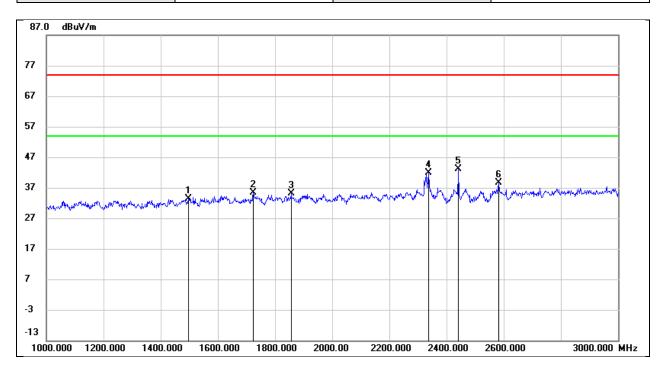


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1440.000	46.11	-12.14	33.97	74.00	-40.03	peak
2	1620.000	45.29	-11.07	34.22	74.00	-39.78	peak
3	2140.000	44.13	-9.25	34.88	74.00	-39.12	peak
4	2336.000	53.57	-7.87	45.70	74.00	-28.30	peak
5	2441.000	53.00	-7.44	45.56	/	/	fundamental
6	2790.000	43.90	-6.85	37.05	74.00	-36.95	peak



Test Mode: GFSK Frequency(MHz): 2441

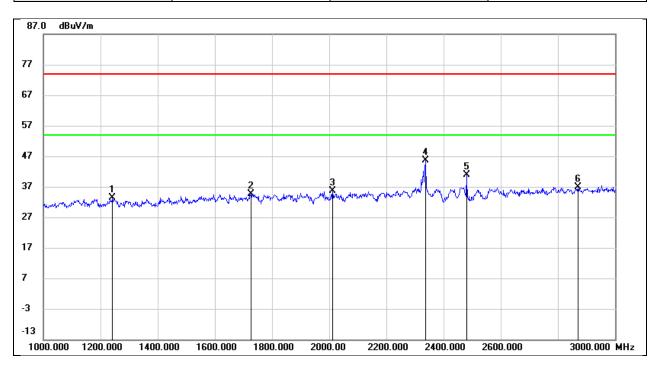
Polarity: Vertical Test Voltage: DC 3.7 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1496.000	45.08	-11.76	33.32	74.00	-40.68	peak
2	1724.000	45.90	-10.59	35.31	74.00	-38.69	peak
3	1856.000	45.28	-10.21	35.07	74.00	-38.93	peak
4	2338.000	49.72	-7.85	41.87	74.00	-32.13	peak
5	2441.000	50.53	-7.44	43.09	/	/	fundamental
6	2582.000	46.19	-7.64	38.55	74.00	-35.45	peak



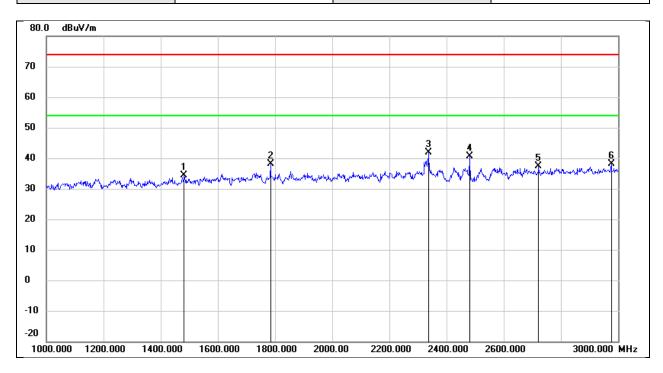
Test Mode:	GFSK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.7 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1242.000	45.85	-12.59	33.26	74.00	-40.74	peak
2	1726.000	45.14	-10.59	34.55	74.00	-39.45	peak
3	2012.000	45.77	-10.04	35.73	74.00	-38.27	peak
4	2336.000	53.50	-7.87	45.63	74.00	-28.37	peak
5	2480.000	48.44	-7.47	40.97	/	/	fundamental
6	2870.000	43.41	-6.48	36.93	74.00	-37.07	peak



Test Mode: GFSK Frequency(MHz): 2480
Polarity: Vertical Test Voltage: DC 3.7 V



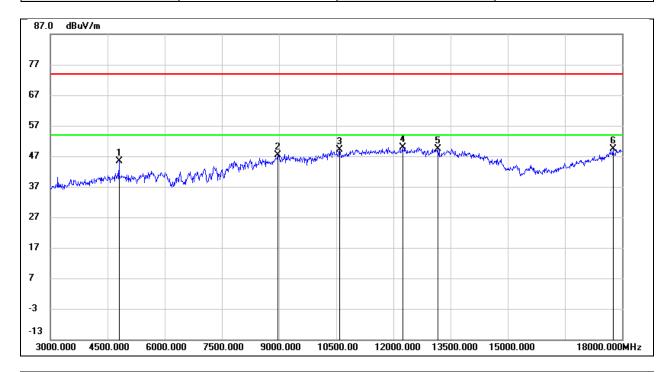
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1482.000	46.19	-11.86	34.33	74.00	-39.67	peak
2	1784.000	48.34	-10.32	38.02	74.00	-35.98	peak
3	2336.000	49.86	-7.87	41.99	74.00	-32.01	peak
4	2480.000	48.09	-7.47	40.62	/	/	fundamental
5	2722.000	44.44	-7.14	37.30	74.00	-36.70	peak
6	2976.000	44.02	-6.00	38.02	74.00	-35.98	peak



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8.3. SPURIOUS EMISSIONS(3 GHZ~18 GHZ)

Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

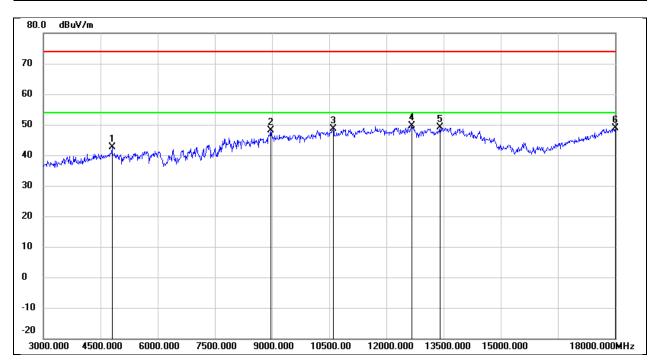


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4800.000	45.02	0.46	45.48	74.00	-28.52	peak
2	8970.000	36.74	10.75	47.49	74.00	-26.51	peak
3	10590.000	35.09	13.92	49.01	74.00	-24.99	peak
4	12240.000	31.48	18.46	49.94	74.00	-24.06	peak
5	13170.000	29.41	19.95	49.36	74.00	-24.64	peak
6	17760.000	23.60	25.72	49.32	74.00	-24.68	peak



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Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.7 V

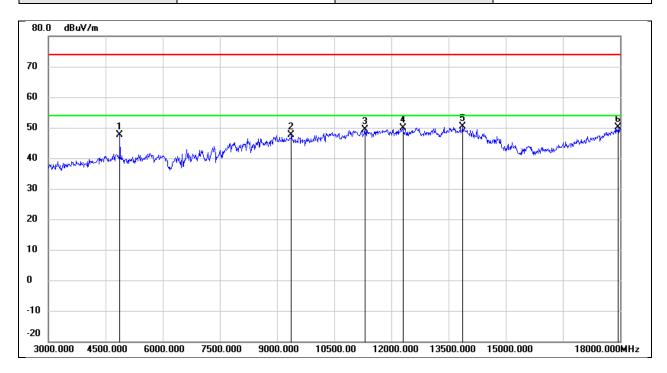


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4800.000	42.26	0.46	42.72	74.00	-31.28	peak
2	8970.000	37.46	10.75	48.21	74.00	-25.79	peak
3	10605.000	34.57	13.94	48.51	74.00	-25.49	peak
4	12675.000	31.09	18.54	49.63	74.00	-24.37	peak
5	13410.000	27.55	21.48	49.03	74.00	-24.97	peak
6	18000.000	21.97	26.83	48.80	74.00	-25.20	peak



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Test Mode:	GFSK	Frequency(MHz):	2441
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

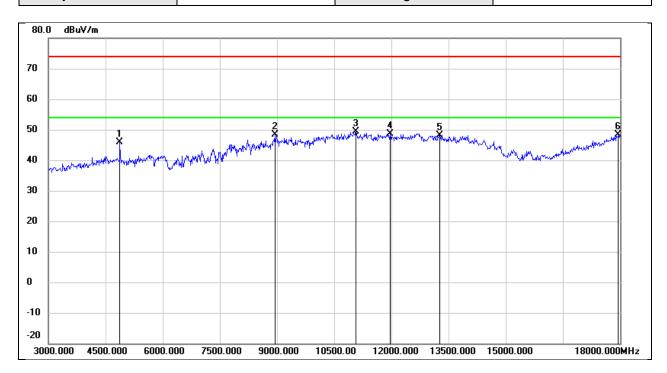


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4875.000	47.10	0.61	47.71	74.00	-26.29	peak
2	9375.000	37.12	10.40	47.52	74.00	-26.48	peak
3	11310.000	33.41	16.02	49.43	74.00	-24.57	peak
4	12300.000	31.18	18.65	49.83	74.00	-24.17	peak
5	13875.000	27.78	22.68	50.46	74.00	-23.54	peak
6	17955.000	23.51	26.66	50.17	74.00	-23.83	peak



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Test Mode:	GFSK	Frequency(MHz):	2441
Polarity:	Vertical	Test Voltage:	DC 3.7 V

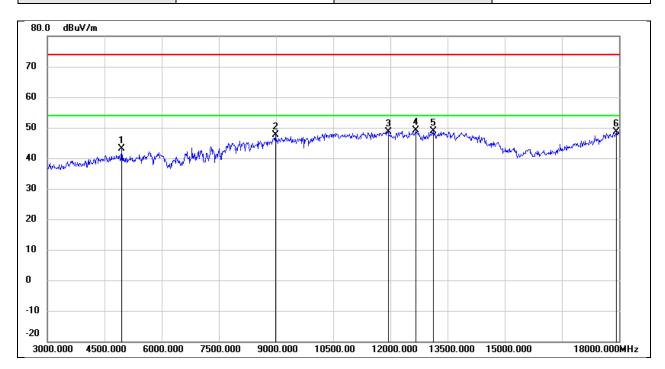


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4875.000	45.39	0.61	46.00	74.00	-28.00	peak
2	8940.000	37.97	10.35	48.32	74.00	-25.68	peak
3	11070.000	34.19	15.08	49.27	74.00	-24.73	peak
4	11970.000	30.34	18.37	48.71	74.00	-25.29	peak
5	13260.000	27.68	20.50	48.18	74.00	-25.82	peak
6	17955.000	21.79	26.66	48.45	74.00	-25.55	peak



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Test Mode:	GFSK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

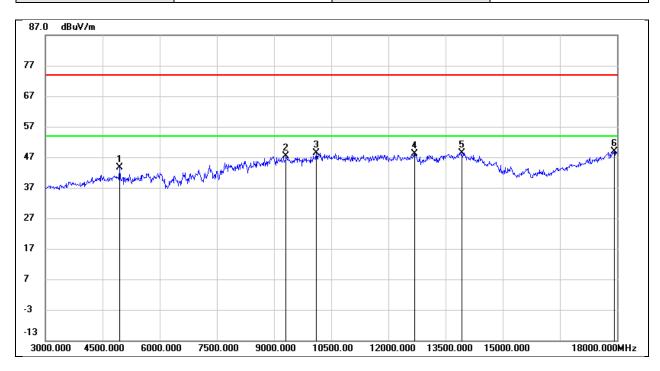


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4950.000	42.29	0.74	43.03	74.00	-30.97	peak
2	8985.000	36.54	10.97	47.51	74.00	-26.49	peak
3	11940.000	30.34	18.24	48.58	74.00	-25.42	peak
4	12675.000	30.50	18.54	49.04	74.00	-24.96	peak
5	13125.000	29.07	19.72	48.79	74.00	-25.21	peak
6	17925.000	22.12	26.55	48.67	74.00	-25.33	peak



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Test Mode: GFSK Frequency(MHz): 2480
Polarity: Vertical Test Voltage: DC 3.7 V

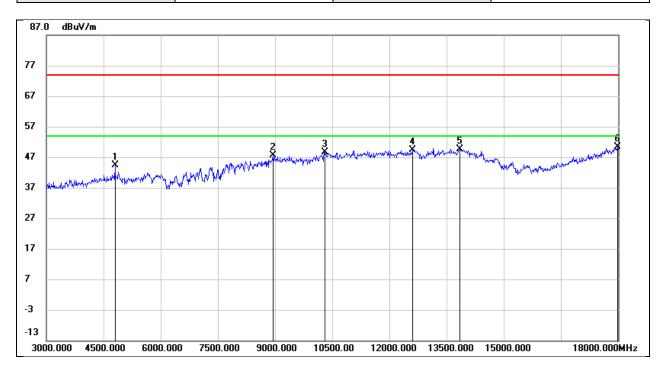


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4950.000	42.93	0.74	43.67	74.00	-30.33	peak
2	9315.000	37.12	10.26	47.38	74.00	-26.62	peak
3	10110.000	35.87	12.47	48.34	74.00	-25.66	peak
4	12690.000	29.52	18.60	48.12	74.00	-25.88	peak
5	13920.000	25.78	22.71	48.49	74.00	-25.51	peak
6	17925.000	22.37	26.55	48.92	74.00	-25.08	peak



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Test Mode:	8DPSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

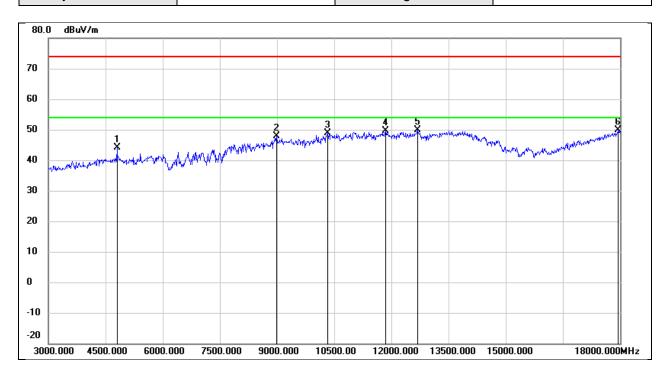


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4800.000	43.81	0.46	44.27	74.00	-29.73	peak
2	8940.000	37.19	10.35	47.54	74.00	-26.46	peak
3	10305.000	35.74	13.00	48.74	74.00	-25.26	peak
4	12600.000	31.09	18.27	49.36	74.00	-24.64	peak
5	13845.000	26.96	22.67	49.63	74.00	-24.37	peak
6	17985.000	23.72	26.77	50.49	74.00	-23.51	peak



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Test Mode:	8DPSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.7 V

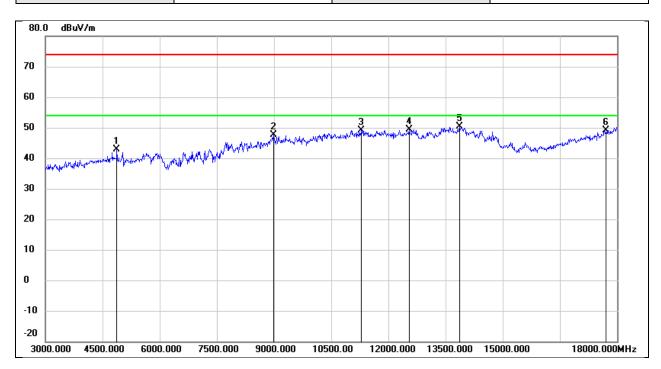


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4800.000	43.74	0.46	44.20	74.00	-29.80	peak
2	8985.000	36.91	10.97	47.88	74.00	-26.12	peak
3	10335.000	35.65	13.14	48.79	74.00	-25.21	peak
4	11850.000	31.73	17.84	49.57	74.00	-24.43	peak
5	12690.000	31.25	18.60	49.85	74.00	-24.15	peak
6	17955.000	23.13	26.66	49.79	74.00	-24.21	peak



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Test Mode:	8DPSK	Frequency(MHz):	2441
Polarity:	Horizontal	Test Voltage:	DC 3.7 V



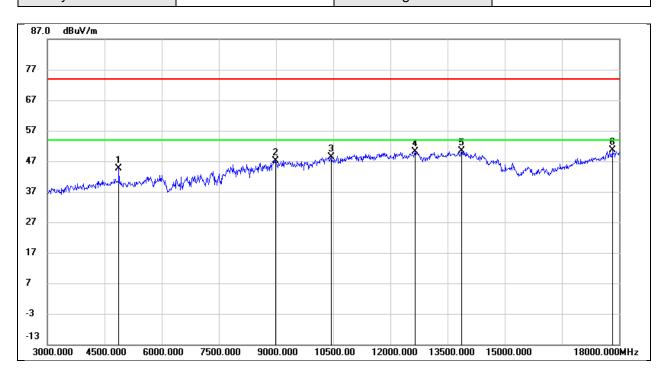
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4875.000	42.20	0.61	42.81	74.00	-31.19	peak
2	8985.000	36.61	10.97	47.58	74.00	-26.42	peak
3	11295.000	33.12	15.93	49.05	74.00	-24.95	peak
4	12540.000	30.99	18.44	49.43	74.00	-24.57	peak
5	13860.000	27.69	22.68	50.37	74.00	-23.63	peak
6	17715.000	23.80	25.31	49.11	74.00	-24.89	peak



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Test Mode: 8DPSK Frequency(MHz): 2441

Polarity: Vertical Test Voltage: DC 3.7 V

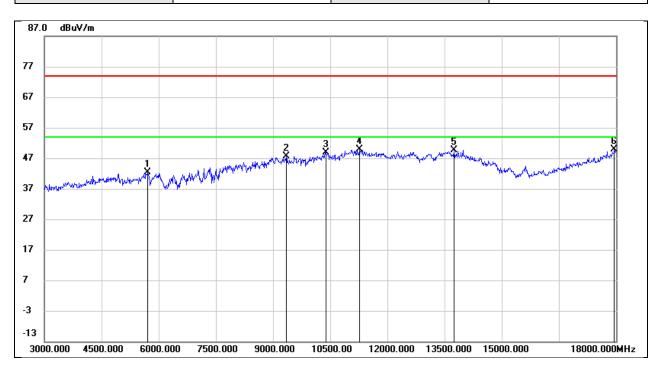


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4875.000	44.02	0.61	44.63	74.00	-29.37	peak
2	8985.000	36.14	10.97	47.11	74.00	-26.89	peak
3	10440.000	34.81	13.56	48.37	74.00	-25.63	peak
4	12645.000	31.67	18.44	50.11	74.00	-23.89	peak
5	13860.000	27.79	22.68	50.47	74.00	-23.53	peak
6	17820.000	24.36	26.16	50.52	74.00	-23.48	peak



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Test Mode:	8DPSK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

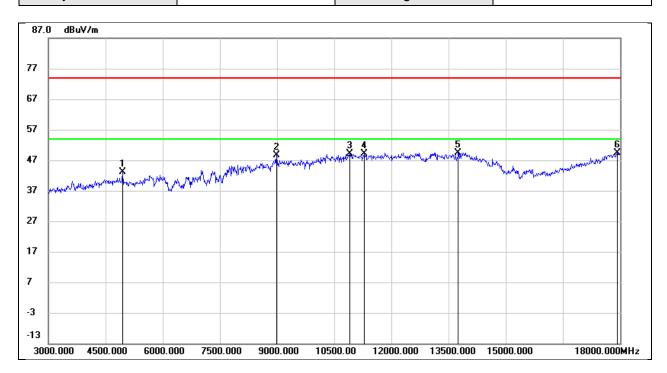


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5700.000	39.87	2.54	42.41	74.00	-31.59	peak
2	9345.000	37.23	10.32	47.55	74.00	-26.45	peak
3	10380.000	35.53	13.36	48.89	74.00	-25.11	peak
4	11265.000	34.07	15.75	49.82	74.00	-24.18	peak
5	13755.000	27.13	22.42	49.55	74.00	-24.45	peak
6	17955.000	23.32	26.66	49.98	74.00	-24.02	peak



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Test Mode:	8DPSK	Frequency(MHz):	2480
Polarity:	Vertical	Test Voltage:	DC 3.7 V

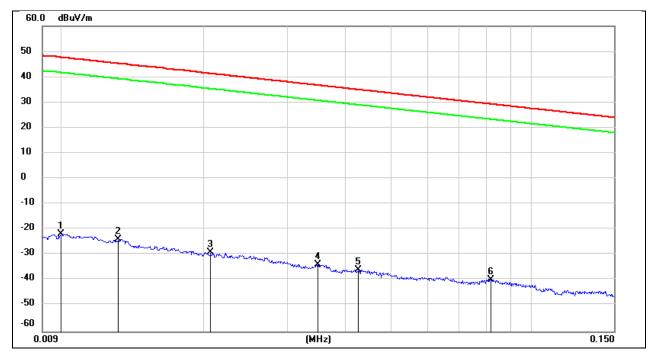


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4950.000	42.48	0.74	43.22	74.00	-30.78	peak
2	8985.000	37.78	10.97	48.75	74.00	-25.25	peak
3	10905.000	34.57	14.46	49.03	74.00	-24.97	peak
4	11280.000	33.41	15.84	49.25	74.00	-24.75	peak
5	13755.000	27.05	22.42	49.47	74.00	-24.53	peak
6	17925.000	22.93	26.55	49.48	74.00	-24.52	peak

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8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

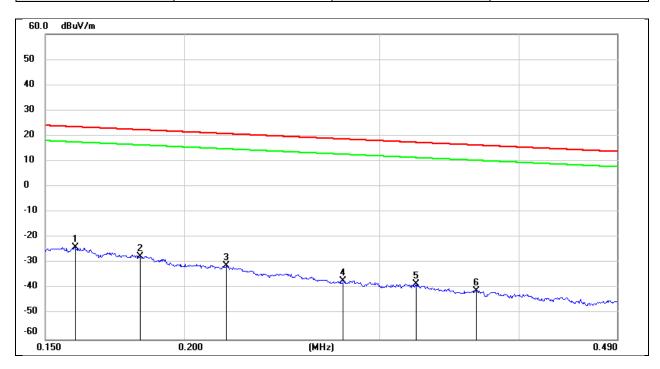
Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.7 V



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.01	79.72	-101.4	-21.68	47.6	-73.18	-3.9	-69.28	peak
2	0.0131	77.47	- 101.38	-23.91	45.25	-75.41	-6.25	-69.16	peak
3	0.0206	72.42	- 101.35	-28.93	41.32	-80.43	-10.18	-70.25	peak
4	0.0349	67.53	- 101.41	-33.88	36.75	-85.38	-14.75	-70.63	peak
5	0.0427	65.64	- 101.45	-35.81	34.99	-87.31	-16.51	-70.8	peak
6	0.0819	62.02	- 101.65	-39.63	29.34	-91.13	-22.16	-68.97	peak



Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

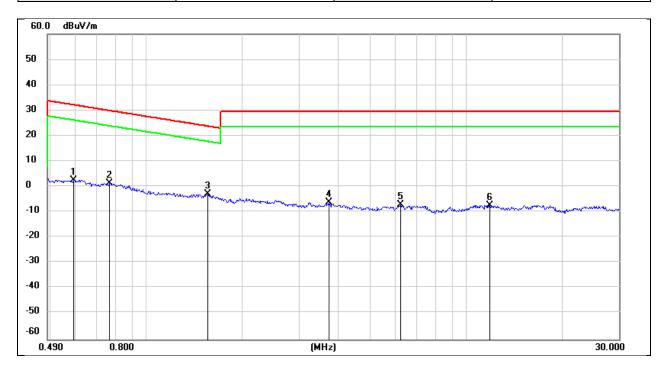


No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.1595	77.86	-101.65	-23.79	23.55	-75.29	-27.95	-47.34	peak
2	0.1826	74.26	-101.69	-27.43	22.38	-78.93	-29.12	-49.81	peak
3	0.2182	70.7	-101.75	-31.05	20.82	-82.55	-30.68	-51.87	peak
4	0.2782	64.79	-101.83	-37.04	18.71	-88.54	-32.79	-55.75	peak
5	0.3234	63.48	-101.88	-38.4	17.41	-89.9	-34.09	-55.81	peak
6	0.3662	61.08	-101.93	-40.85	16.33	-92.35	-35.17	-57.18	peak



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Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.7 V



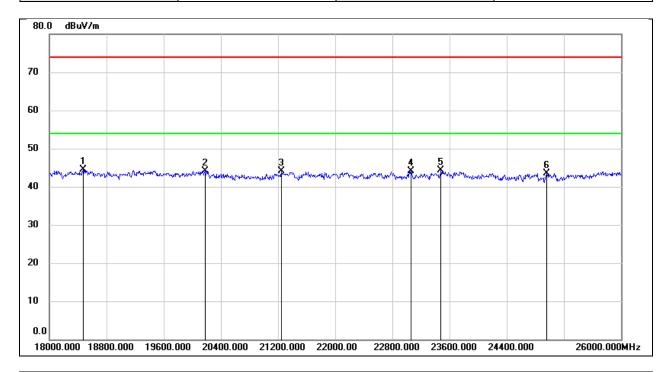
No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.5917	64.74	-62.08	2.66	32.16	-48.84	-19.34	-29.5	peak
2	0.7641	63.42	-62.12	1.3	29.94	-50.2	-21.56	-28.64	peak
3	1.5564	59.18	-62.02	-2.84	23.76	-54.34	-27.74	-26.6	peak
4	3.71	55.2	-61.41	-6.21	29.54	-57.71	-21.96	-35.75	peak
5	6.2445	54.13	-61.32	-7.19	29.54	-58.69	-21.96	-36.73	peak
6	11.8513	53.56	-60.88	-7.32	29.54	-58.82	-21.96	-36.86	peak



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8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

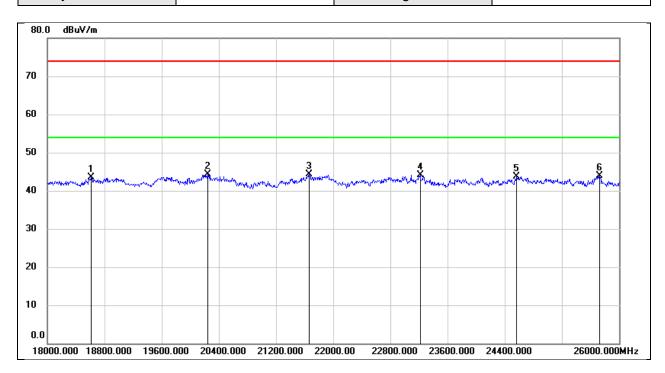


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18472.000	49.76	-5.28	44.48	74.00	-29.52	peak
2	20176.000	49.64	-5.56	44.08	74.00	-29.92	peak
3	21248.000	48.79	-4.77	44.02	74.00	-29.98	peak
4	23064.000	47.49	-3.42	44.07	74.00	-29.93	peak
5	23480.000	47.54	-3.16	44.38	74.00	-29.62	peak
6	24960.000	45.64	-2.14	43.50	74.00	-30.50	peak



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Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.7 V



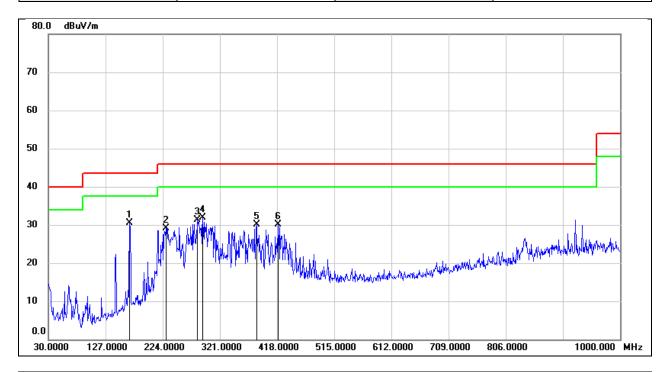
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18616.000	48.89	-5.34	43.55	74.00	-30.45	peak
2	20240.000	49.82	-5.61	44.21	74.00	-29.79	peak
3	21664.000	48.73	-4.45	44.28	74.00	-29.72	peak
4	23216.000	47.51	-3.38	44.13	74.00	-29.87	peak
5	24568.000	46.10	-2.33	43.77	74.00	-30.23	peak
6	25728.000	44.61	-0.72	43.89	74.00	-30.11	peak



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8.6. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.7 V

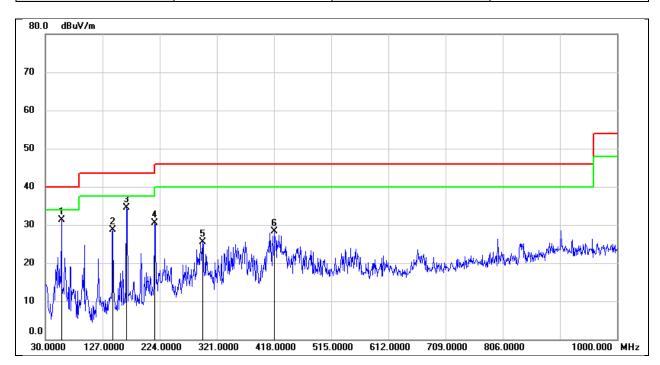


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	167.7400	42.89	-12.37	30.52	43.50	-12.98	QP
2	229.8200	42.66	-13.50	29.16	46.00	-16.84	QP
3	283.1700	44.07	-12.74	31.33	46.00	-14.67	QP
4	291.9000	44.18	-12.19	31.99	46.00	-14.01	QP
5	383.0799	39.81	-9.71	30.10	46.00	-15.90	QP
6	419.9400	39.50	-9.35	30.15	46.00	-15.85	QP



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Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.7 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	57.1600	46.66	-15.31	31.35	40.00	-8.65	QP
2	144.4600	42.51	-13.84	28.67	43.50	-14.83	QP
3	167.7400	46.80	-12.37	34.43	43.50	-9.07	QP
4	215.2700	43.33	-12.85	30.48	43.50	-13.02	QP
5	296.7500	37.41	-11.90	25.51	46.00	-20.49	QP
6	418.9700	37.68	-9.36	28.32	46.00	-17.68	QP



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9. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass



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10. TEST DATA

10.1. APPENDIX A: 20DB EMISSION BANDWIDTH

10.1.1. Test Result

Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
		2402	0.939	2401.541	2402.480	PASS
DH5	Ant1	2441	0.936	2440.544	2441.480	PASS
		2480	0.942	2479.544	2480.486	PASS
		2402	1.293	2401.355	2402.648	PASS
3DH5	Ant1	2441	1.296	2440.355	2441.651	PASS
		2480	1.287	2479.361	2480.648	PASS



10.1.2. Test Graphs









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10.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH 10.2.1. Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
DH5 Ant1	2402	0.87318	2401.5666	2402.4398	PASS	
	2441	0.87848	2440.5646	2441.4431	PASS	
	2480	0.86910	2479.5677	2480.4368	PASS	
3DH5 Ant1	2402	1.1858	2401.4100	2402.5958	PASS	
	2441	1.1705	2440.4204	2441.5909	PASS	
	2480	1.1880	2479.4062	2480.5942	PASS	



10.2.2. Test Graphs









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10.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER 10.3.1. Test Result-Right Earphone

Test Mode	Antenna	Frequency[MHz]	Peak Result[dBm]	AVG Result[dBm]	Limit[dBm]	Verdict
		2402	7.72	7.61	≤30	PASS
DH5	Ant1	2441	7.32	7.26	≤30	PASS
		2480	6.71	6.59	≤30	PASS
	3DH5 Ant1	2402	7.90	5.89	≤21	PASS
3DH5		2441	7.52	5.43	≤21	PASS
		2480	6.77	4.67	≤21	PASS

10.3.2. Test Result-Left Earphone

Test Mode	Antenna	Frequency[MHz]	Peak Result[dBm]	AVG Result[dBm]	Limit[dBm]	Verdict
			7.52	7.38	≤30	PASS
DH5	Ant1	2441	7.21	7.10	≤30	PASS
		2480	6.52	6.41	≤30	PASS
		2402	7.34	5.31	≤21	PASS
3DH5	Ant1	2441	7.02	4.96	≤21	PASS
		2480	6.36	4.39	≤21	PASS



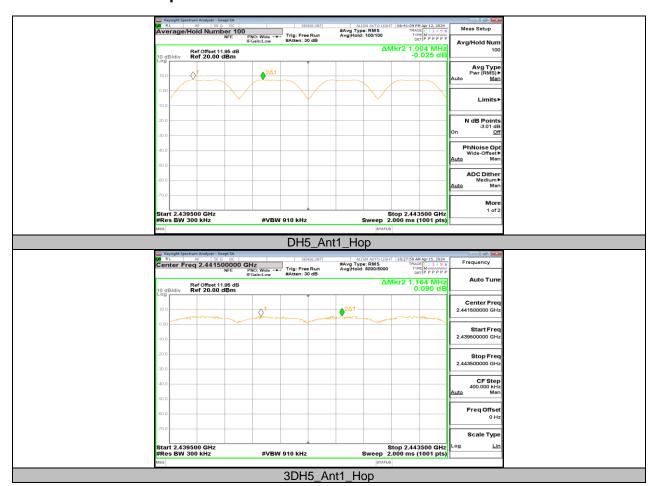
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10.4. APPENDIX D: CARRIER FREQUENCY SEPARATION 10.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Нор	1.004	≥0.942	PASS
3DH5	Ant1	Нор	1.164	≥0.864	PASS



10.4.2. Test Graphs





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10.5. APPENDIX E: TIME OF OCCUPANCY 10.5.1. Test Result

FHSS Mode								
TestMode	Antenna	Channel	BurstWidth Result[s]		Limit[s]	Verdict		
DH1	Ant1	Нор	0.381	0.122	<=0.4	PASS		
DH3	Ant1	Нор	1.637	0.262	<=0.4	PASS		
DH5	Ant1	Нор	2.884	0.308	<=0.4	PASS		
3DH1	Ant1	Нор	0.389	0.124	<=0.4	PASS		
3DH3	Ant1	Нор	1.642	0.263	<=0.4	PASS		
3DH5	Ant1	Нор	2.892	0.308	<=0.4	PASS		

AFHSS Mode								
TootMode	Antonno	Channel	BurstWidth	Desultial	Limit[a]	Verdict		
TestMode Antenna	Antenna	Channel	[ms]	Result[s]	Limit[s]	verdict		
DH1	Ant1	Нор	0.381	0.061	<=0.4	PASS		
DH3	Ant1	Нор	1.637	0.131	<=0.4	PASS		
DH5	Ant1	Нор	2.884	0.154	<=0.4	PASS		
3DH1	Ant1	Нор	0.389	0.062	<=0.4	PASS		
3DH3	Ant1	Нор	1.642	0.131	<=0.4	PASS		
3DH5	Ant1	Нор	2.892	0.154	<=0.4	PASS		



10.5.2. Test Graphs









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10.6. APPENDIX F: NUMBER OF HOPPING CHANNELS 10.6.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Нор	79	≥15	PASS
3DH5	Ant1	Нор	79	≥15	PASS



10.6.2. Test Graphs





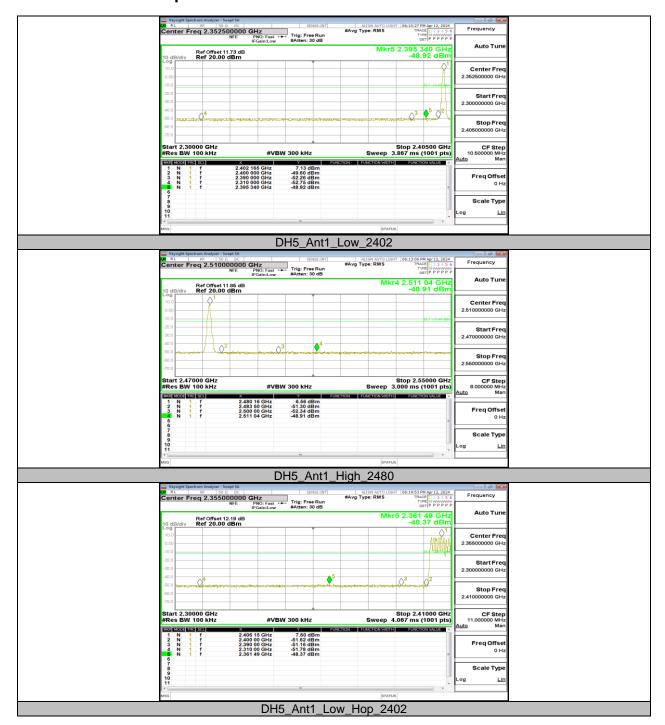
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10.7. APPENDIX G: BAND EDGE MEASUREMENTS 10.7.1. Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
		Low	2402	7.13	-48.92	≤-12.87	PASS
DH5	Ant1	High	2480	6.56	-48.91	≤-13.44	PASS
DHO	Anti	Low	Hop_2402	7.60	-48.37	≤-12.4	PASS
		High	Hop_2480	6.81	-49.23	≤-13.19	PASS
		Low	2402	5.80	-48.29	≤-14.2	PASS
3DH5	Ant1	High	2480	4.50	-48.64	≤-15.5	PASS
	Anti	Low	Hop_2402	3.12	-48.94	≤-16.88	PASS
		High	Hop_2480	3.06	-48.03	≤-16.94	PASS



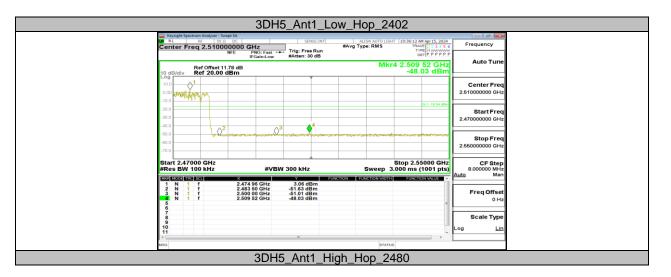
10.7.2. Test Graphs













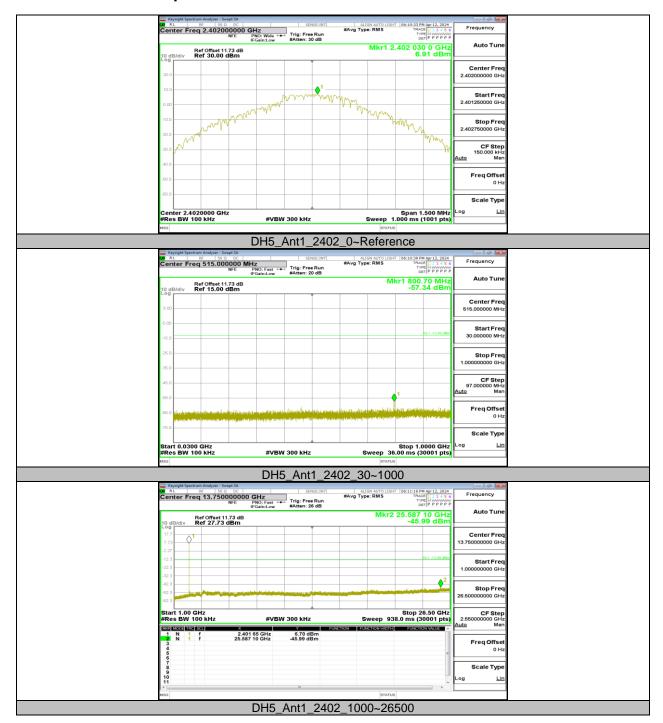
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10.8. APPENDIX H: CONDUCTED SPURIOUS EMISSION 10.8.1. Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
			Reference	6.91		PASS
		2402	30~1000	-57.34	≤-13.09	PASS
			1000~26500	[MHz] [dBm] eference 6.91 30~1000 -57.34 00~26500 -45.99 eference 7.21 30~1000 -57.25 00~26500 -46.18 eference 5.84 30~1000 -55.68 00~26500 -45.81 eference 5.45 30~1000 -59.62 00~26500 -45.86 eference 2.45 30~1000 -58.33 00~26500 -45.29 eference 3.22	≤-13.09	PASS
			Reference	7.21		PASS
DH5	Ant1	2441	30~1000	-57.25	≤-12.79	PASS
			1000~26500	-46.18	≤-12.79	PASS
		2480	Reference	5.84		PASS
			30~1000	-55.68	≤-14.16	PASS
			1000~26500	-45.81	≤-14.16	PASS
		2402	Reference	5.45		PASS
			30~1000	-59.62	≤-14.55	PASS
			1000~26500	-45.86	≤-14.55	PASS
			Reference	2.45		PASS
3DH5	Ant1	2441	30~1000	-58.33	≤-17.55	PASS
			1000~26500	-45.29	≤-17.55	PASS
			Reference	3.22		PASS
		2480	30~1000	-58.7	≤-16.78	PASS
			1000~26500	-46.23	≤-16.78	PASS



10.8.2. Test Graphs







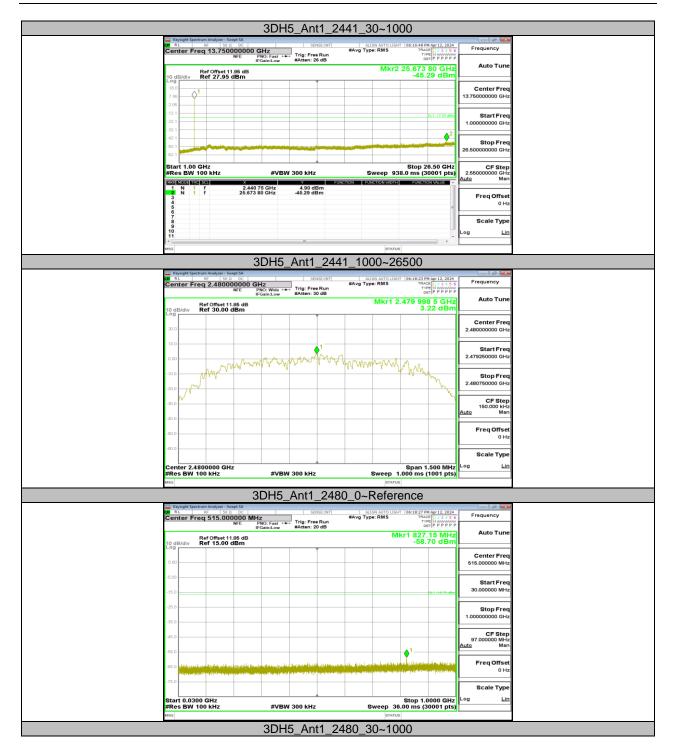




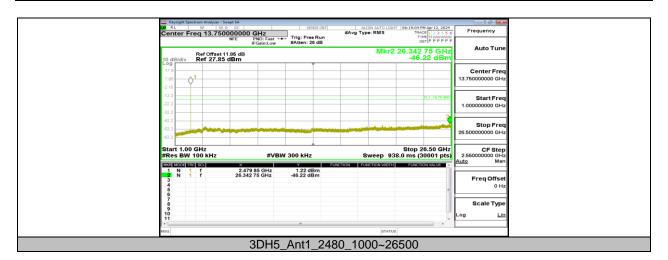














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10.9. APPENDIX I: DUTY CYCLE 10.9.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
DH5	2.88	3.72	0.7742	77.42	1.11	0.35	1
3DH5	2.89	3.73	0.7748	77.48	1.11	0.35	1

Note:

Duty Cycle Correction Factor=10log (1/x).

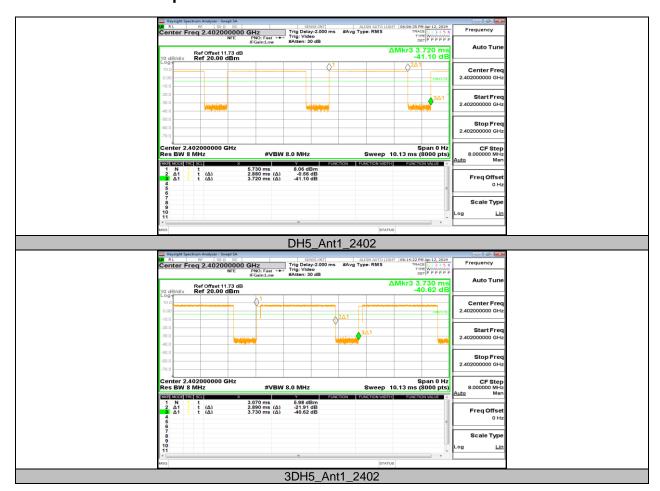
Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



10.9.2. Test Graphs





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END OF REPORT