



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

TEST REPORT

For

WIFI+BT Module

MODEL NUMBER: DCT5CM2601

REPORT NUMBER: 4791685095-RF-2

ISSUE DATE: April 10, 2025

FCC ID: 2AC23-DCT5C IC: 12290A-DCT5C

Prepared for

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	April 10, 2025	Initial Issue	

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	Pass
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
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
Duty Cycle	ANSI C63.10-2013, Clause 11.6	None; for reporting purposes only.	Pass

*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 SUBPART C

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



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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name:	Hui Zhou Gaoshengda Technology Co.,LTD
Address:	No.6,Qiaoguang Road,Chenjiang Street,Zhongkai High-tech
	Zone,Huizhou,Guangdong,China

Manufacturer Information

Company Name:	Hui Zhou Gaoshengda Technology Co.,LTD
Address:	No.6,Qiaoguang Road,Chenjiang Street,Zhongkai High-tech
	Zone, Huizhou, Guangdong, China

EUT Information

EUT Name:	WIFI+BT Module
Model:	DCT5CM2601
Brand:	GSD
Sample Received Date:	February 25, 2025
Sample Status:	Normal
Sample ID:	8172194
Date of Tested:	February 27, 2025 to April 10, 2025

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

Prepared By:

Imson. Li'u

Checked By:

Johnson Liu Laboratory Engineer

Kebo Zhang Senior Project Engineer

Approved By:

Applien

Stephen Guo Operations Manager



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

Note 1:

All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, Zhihui City Phase I, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, 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.



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 95% confidence level using a coverage factor of k=2.	expressed at approximately the

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

	EUT Name:	WIFI+BT Module
Model: DC15CM2601	Model:	DCT5CM2601

Frequency Range:	2402 MHz to 2480 MHz
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Type of Modulation:	GFSK, π/4DQPSK, 8DPSK
Normal Test Voltage:	DC 3.3 V

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]	8.04
8DPSK	2402 ~ 2480	0-78[79]	10.90



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		

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 Se	oftware	WCN_Combo_Tool			
Modulation Type	Transmit Antenna	Test Software setting value			
	Number	CH 00	CH 39	CH 78	
GFSK	BT L&BT R	default	default	default	
8DPSK	BT L&BT R	default	default	default	

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5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
BT L&BT R	2402-2480	External	1.72

Test Mode	Transmit and Receive Mode	Description			
GFSK	⊠1TX, 1RX	Antenna BT L or Antenna BT R can be used as transmitting/receiving antenna.			
8DPSK	⊠1TX, 1RX	Antenna BT L or Antenna BT R can be used as transmitting/receiving antenna.			
Note: 1.BT&WLAN 2.4G, BT & WLAN 5G, WLAN 2.4G & WLAN 5G can't transmit simultaneously. (declared by client)					

Note: There are two models of this EUT, each model has only one BT antenna located on the left or right side of the shielding cover.



5.7. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remark
1	PC	Lenovo	E14	/
2	AC Adaptor	Lenovo	ADLX65YLC3D	Input: AC 100-240V, 1.8A, 50-60Hz Output: DC 20V, 3.25A,65.0W Max

I/O CABLES

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

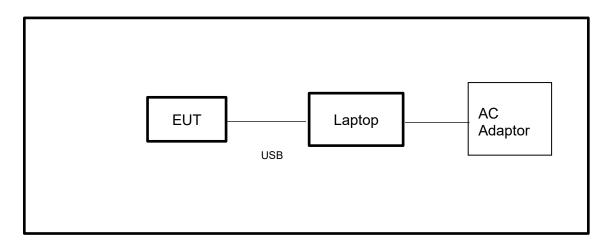
ACCESSORIES

Item	Accessory	Brand Name	Model Name	Description
/	/	/	1	/

TEST SETUP

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

SETUP DIAGRAM FOR TESTS

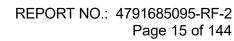


Note: AC Adaptor only use for AC POWER LINE CONDUCTED EMISSION test



6. MEASURING EQUIPMENT AND SOFTWARE USED

			R&	s ts	8997 Te	est S	system			
Equipment		Man	ufac	turer	Model	No.	Serial No.	Last (Cal.	Due. Date
Power sensor, Power M	leter		R&S	5	OSP1	20	100921	Dec.27	,2024	Dec.26,2025
Vector Signal Genera	tor		R&S	5	SMBV1	00A	261637	Sep.28,	2024	Sep.27, 2025
Signal Generator			R&S	5	SMB10	00A	178553	Sep.28,	2024	Sep.27, 2025
Signal Analyzer			R&S		FSV4	0	101118	Sep.28,	2024	Sep.27, 2025
					Softwa	re		I		
Description			Ν	/lanuf	acturer		Nam	е		Version
For R&S TS 8997 Test	Syste	em	Roł	nde &	Schwai	z	EMC	32		10.60.10
			То	nsen	d RF Te	st S	ystem			
Equipment	Man	ufact	urer	Мос	del No.	S	erial No.	Last (Cal.	Due. Date
Wireless Connectivity Tester		R&S		СМ	W270	120	1.0002N75- 102	Sep.13,	2024	Sep.12, 2025
PXA Signal Analyzer	Ke	eysigl	ht	N9	030A	MY	′55410512	Sep.28,	2024	Sep.27, 2025
MXG Vector Signal Generator	Ke	eysigl	ht	N5	182B	ΜY	′56200284	Sep.28,	2024	Sep.27, 2025
MXG Vector Signal Generator	Ke	eysigl	ht	N5	172B	MY	⁄56200301	Sep.28,	2024	Sep.27, 2025
DC power supply	Ke	eysigl	ht	E3	642A	MY	′55159130	Sep.28,	2024	Sep.27, 2025
Temperature & Humidity Chamber	SA	NMO	OD	SG-8	80-CC-2		2088	Sep.28,	2024	Sep.27, 2025
Attenuator	А	glien	t	84	195B	28	14a12853	Sep.28,	2024	Sep.27, 2025
RF Control Unit	То	nscei	nd	JSC	806-2	23E	380620666	Dec.27	,2024	Dec.26,2025
					Softwa	re				
Description		Manu	ufact	urer			Name			Version
Tonsend SRD Test Sys	tem	То	nser	nd	JS1	120-3	3 RF Test S	ystem		V3.2.22





Conducted Emissions						
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date	
EMI Test Receiver	R&S	ESR3	101961	Sep.28, 2024	Sep.27, 2025	
Two-Line V- Network	R&S	ENV216	101983	Sep.28, 2024	Sep.27, 2025	
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Sep.28, 2024	Sep.27, 2025	
Software						
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	Sep.28, 2024	Sep.27, 2025	
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	June 28, 2024	June.27 2027	
Preamplifier	HP	8447D	2944A09099	Sep.28, 2024	Sep.27, 2025	
EMI Measurement Receiver	R&S	ESR26	101377	Sep.28, 2024	Sep.27, 2025	
Horn Antenna	TDK	HRN-0118	130939	Apr.29, 2022	Apr.28, 2025	
Preamplifier	TDK	PA-02-0118	TRS-305- 00067	Sep.28, 2024	Sep.27, 2025	
Horn Antenna	Schwarzbeck	BBHA9170	697	Jun 30, 2024	Jun 29, 2027	
Preamplifier	TDK	PA-02-2	TRS-307- 00003	Sep.28, 2024	Sep.27, 2025	
Preamplifier	TDK	PA-02-3	TRS-308- 00002	Sep.28, 2024	Sep.27, 2025	
Loop antenna	Schwarzbeck	1519B	00008	Dec.09, 2024	Dec.08, 2027	
High Pass Filter	Wi	WHKX10- 2700-3000- 18000-40SS	23	Sep.28, 2024	Sep.27, 2025	
Band Reject Filter	Wainwright	WRCJV8- 2350-2400- 2483.5- 2533.5-40SS	4	Sep.28, 2024	Sep.27, 2025	
		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.8, 2024	Oct.7, 2025	
Barometer	Yiyi	Baro	N/A	Oct.10, 2024	Oct.9, 2025	
Attenuator	Agilent	8495B	2814a12853	Sep.28, 2024	Sep.27, 2025	



7. ANTENNA PORT TEST RESULTS

7.1. CONDUCTED OUTPUT POWER

LIMITS

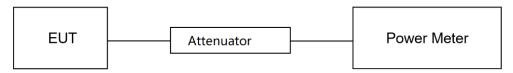
CFR 47 FCC Part15 (15.247), Subpart C ISED RSS-247 ISSUE 3				
Section	Test Item	Limit	Frequency Range (MHz)	
CFR 47 FCC 15.247 (b) (1) ISED RSS-247 Clause 5.4 (b)	Peak Conducted Output Power	Hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel: 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	22.5 ℃	Relative Humidity	51.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.3V

TEST DATE / ENGINEER

Test Date March 25, 2025 Test By Walker Yuan
--

TEST RESULTS

Please refer to section "Test Data" - Appendix C1&C2



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 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

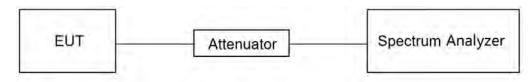
Refer to ANSI C63.10-2013 clause 6.9.2.

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

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

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	22.5℃	Relative Humidity	51.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.3V



TEST DATE / ENGINEER

Test Date	March 25, 2025	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix A1&A2&B1&B2



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.

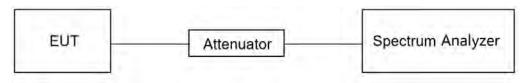
Connect the EUT to the spectrum analyzer and use the following settings:

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	22.5℃	Relative Humidity	51.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.3V

TEST DATE / ENGINEER

Test Date	March 25, 2025	Test By	Walker Yuan

TEST RESULTS

Please refer to section "Test Data" - Appendix D1&D2



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

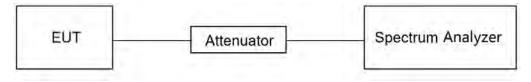
Refer to ANSI C63.10-2013 clause 7.8.3.

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
	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	22.5 ℃	Relative Humidity	51.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.3V



TEST DATE / ENGINEER

Test Date	March 25, 2025	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix F1&F2



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):

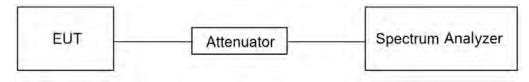
DH1/3DH1 Dwell Time: Burst Width * (1600/2) * 31.6 / (channel number) DH3/3DH3 Dwell Time: Burst Width * (1600/4) * 31.6 / (channel number) DH5/3DH5 Dwell Time: Burst Width * (1600/6) * 31.6 / (channel number)

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



TEST ENVIRONMENT

Temperature	22.5 ℃	Relative Humidity	51.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.3V

TEST DATE / ENGINEER

Test Date March 25, 2025 Test By Walker Yuan	Test Date	March 25, 2025	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix E1&E2



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:

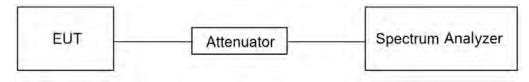
	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	≥3 × RBW
measurement points	≥span/RBW
Trace	Max hold
Sweep time	Auto couple.

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	22.5 ℃	Relative Humidity	51.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.3V

TEST DATE / ENGINEER

	Test Date	March 25, 2025	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix G1&G2&H1&H2



7.7. DUTY CYCLE

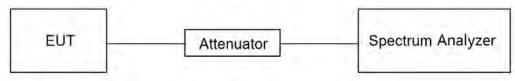
LIMITS

None; for reporting purposes only.

TEST PROCEDURE

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

TEST SETUP



TEST ENVIRONMENT

Temperature	22.5 ℃	Relative Humidity	51.7%
Atmosphere Pressure	101kPa	Test Voltage	DC 3.3V

TEST DATE / ENGINEER

Test Date March 25, 2025 Test By Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix I1&I2



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 (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strer (dBuV/m	0
(10112)	(uv/iii) at 5 lii	Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		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.



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	182.0125 - 187.17	13.25 - 13.4
4.125 - 4.128	187.72 - 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
6.215 - 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	1880 - 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	2855 - 2900	
13.36 - 13.41	3260 - 3267	
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	

Note 1: Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

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



Below 1 GHz and above 30 MHz

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

The setting of the spectrum analyzer

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
VBW	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.

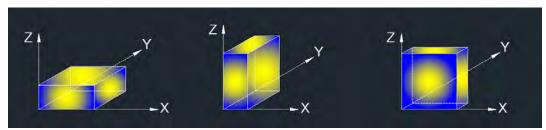
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations 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.



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): Note:

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[120π] = 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.



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:

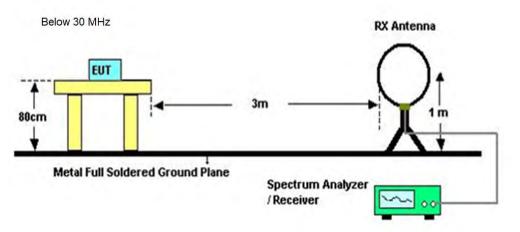
1. Measurement = Reading Level + Correct Factor.

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.

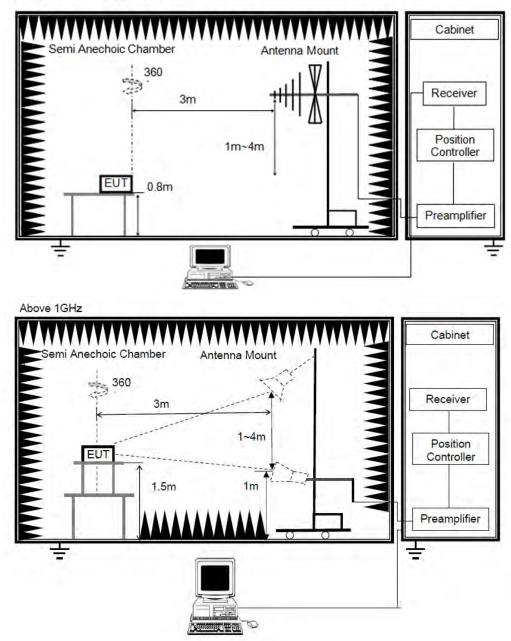
4. All modes have been tested, but only the worst data was recorded in the report.

TEST SETUP





Below 1 GHz and above 30 MHz



TEST ENVIRONMENT

Temperature	20.1 ℃	Relative Humidity	58.5%
Atmosphere Pressure	101kPa	Test Voltage	

TEST DATE / ENGINEER

Test Date April 9, 2025 Test	est By	Mason Wang
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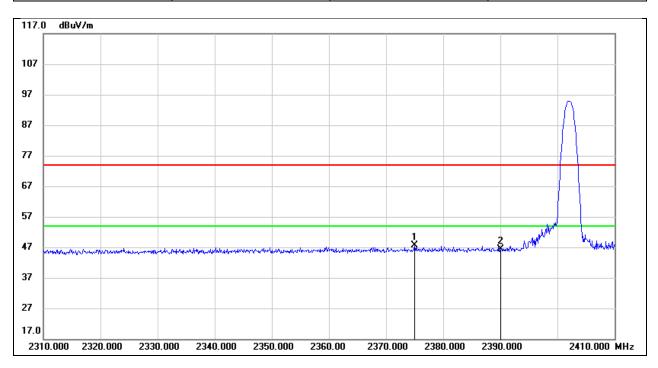
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TEST RESULTS

8.1. RESTRICTED BANDEDGE-ANT BT LEFT

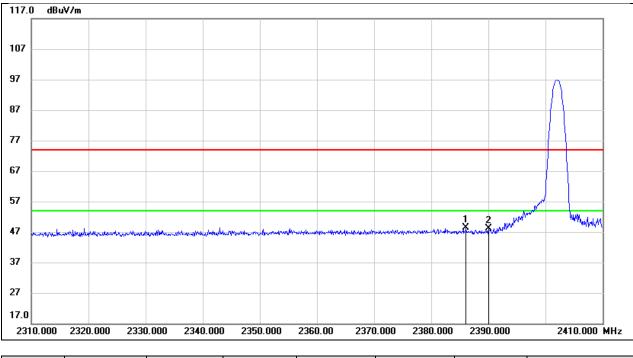
Test Mode:	GFSK PK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2375.000	15.87	31.67	47.54	74.00	-26.46	peak
2	2390.000	14.59	31.73	46.32	74.00	-27.68	peak



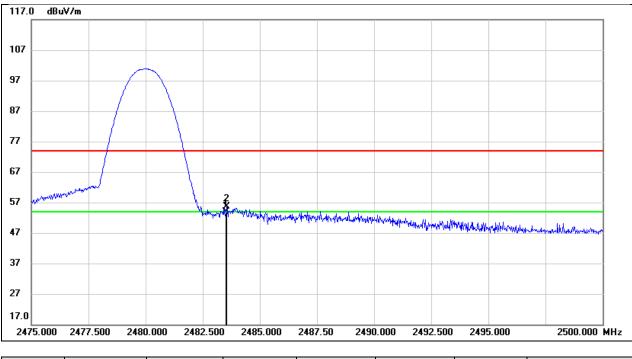
Test Mode:	GFSK PK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2386.100	15.82	32.53	48.35	74.00	-25.65	peak
2	2390.000	15.49	32.55	48.04	74.00	-25.96	peak



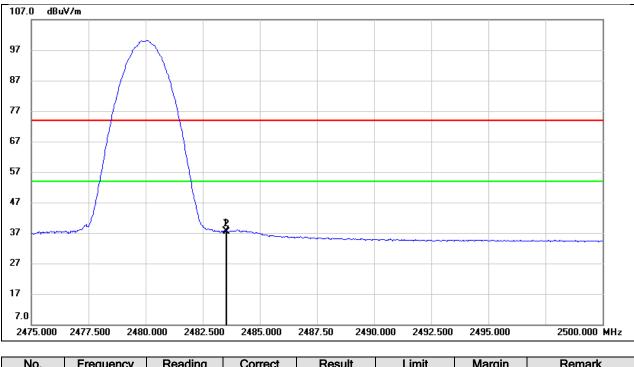
Test Mode:	GFSK PK	Frequency(MHz):	2480
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	21.07	32.80	53.87	74.00	-20.13	peak
2	2483.550	22.71	32.80	55.51	74.00	-18.49	peak



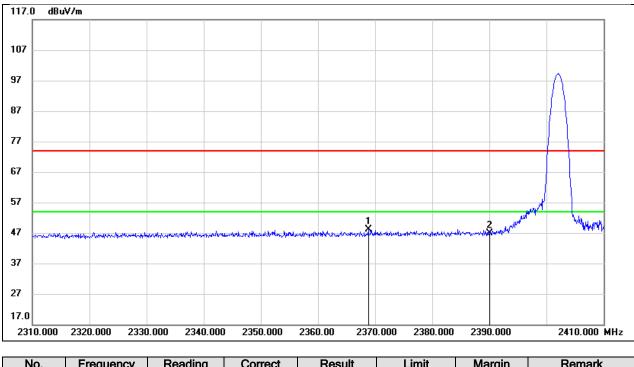
Test Mode:	GFSK AV	Frequency(MHz):	2480
Polarity:	Vertical	Test Voltage:	DC 3.3V



	NO.	Frequency	Reading	Correct	Result	Limit	margin	Remark
		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
ſ	1	2483.500	4.72	32.80	37.52	54.00	-16.48	AVG
ſ	2	2483.550	4.64	32.80	37.44	54.00	-16.56	AVG



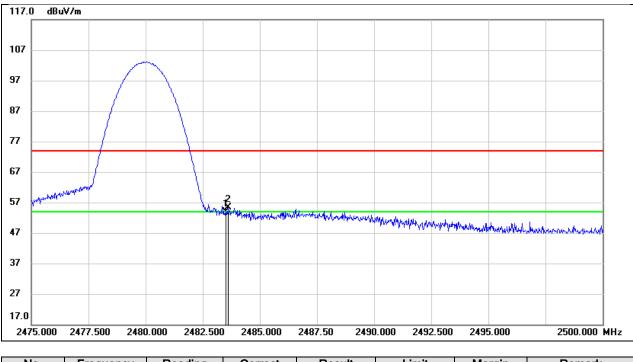
Test Mode:	8DPSK PK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V



NO.	Frequency	Reading	Correct	Result	Limit	margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2368.800	15.59	32.47	48.06	74.00	-25.94	peak
2	2390.000	14.42	32.55	46.97	74.00	-27.03	peak



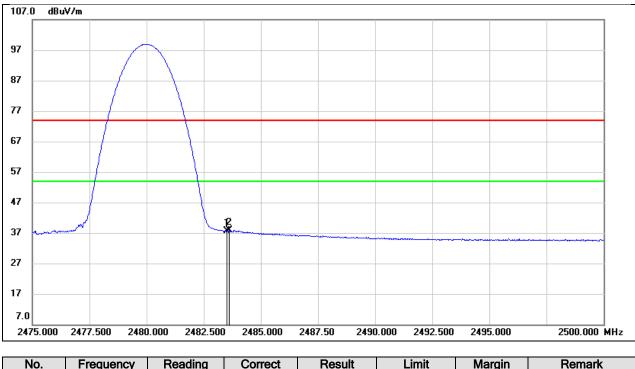
Test Mode:	8DPSK PK	Frequency(MHz):	2480
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	21.06	32.80	53.86	74.00	-20.14	peak
2	2483.625	22.48	32.80	55.28	74.00	-18.72	peak



Test Mode:	8DPSK AV	Frequency(MHz):	2480
Polarity:	Vertical	Test Voltage:	DC 3.3V

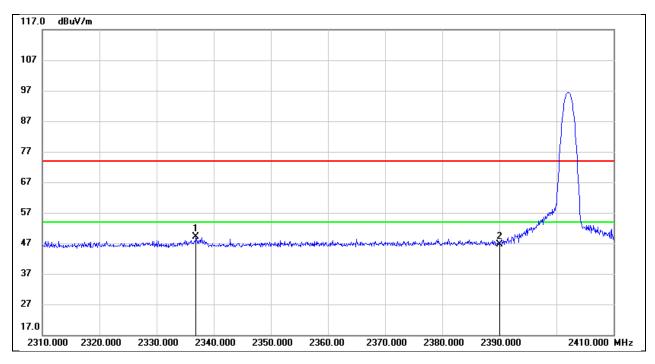


NO.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	4.77	32.80	37.57	54.00	-16.43	AVG
2	2483.625	4.99	32.80	37.79	54.00	-16.21	AVG



8.2. RESTRICTED BANDEDGE-ANT BT RIGHT

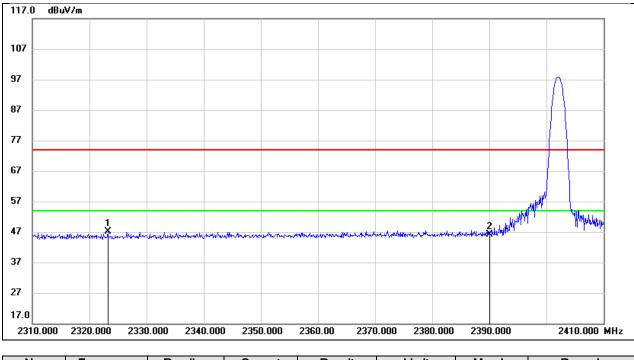
Test Mode:	GFSK PK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2336.900	16.77	32.36	49.13	74.00	-24.87	peak
2	2390.000	14.16	32.55	46.71	74.00	-27.29	peak



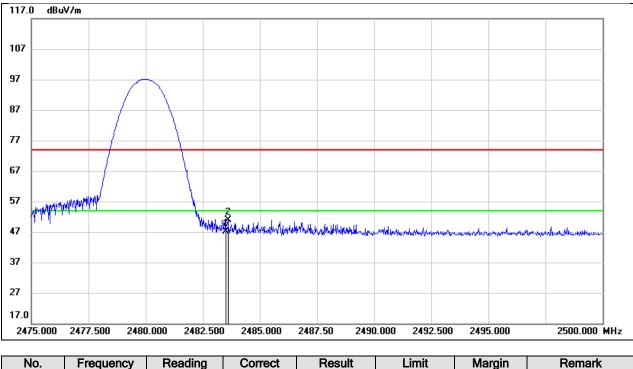
Test Mode:	GFSK PK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2323.200	15.61	31.48	47.09	74.00	-26.91	peak
2	2390.000	14.41	31.73	46.14	74.00	-27.86	peak



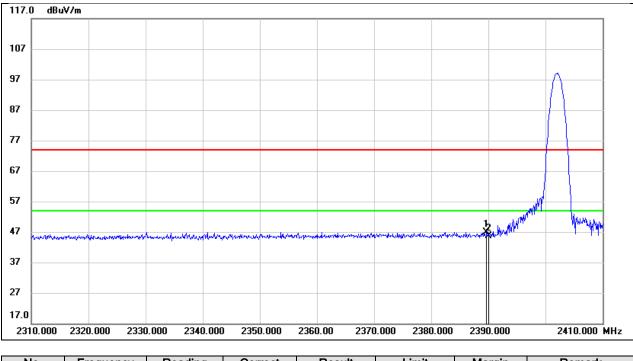
Test Mode:	GFSK PK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.3V



INO.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	15.24	32.00	47.24	74.00	-26.76	peak
2	2483.600	18.86	32.00	50.86	74.00	-23.14	peak



Test Mode:	8DPSK PK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



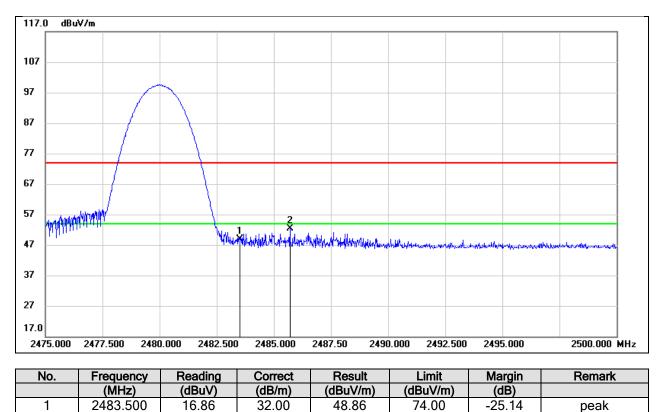
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.700	15.24	31.73	46.97	74.00	-27.03	peak
2	2390.000	13.95	31.73	45.68	74.00	-28.32	peak



2

2485.700

Test Mode:	8DPSK PK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.3V



52.50

74.00

-21.50

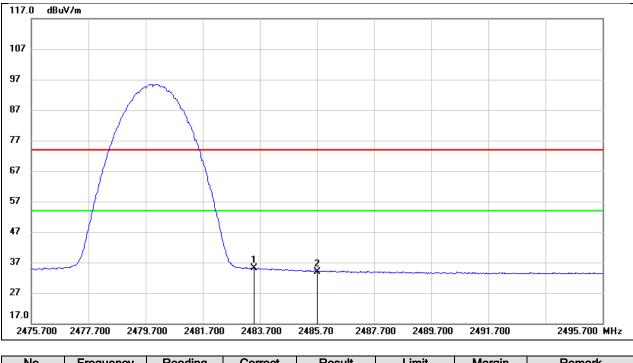
peak

32.00

20.50



Test Mode:	8DPSK AV	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.3V

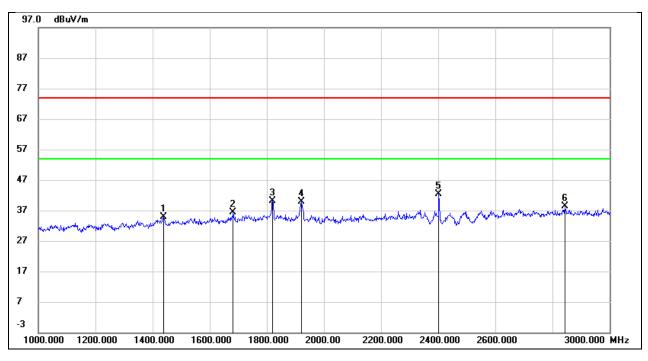


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.500	3.06	32.00	35.06	54.00	-18.94	AVG
2	2485.700	1.96	32.00	33.96	54.00	-20.04	AVG



8.3. SPURIOUS EMISSIONS(1 GHZ~3 GHZ) -ANT BT LEFT

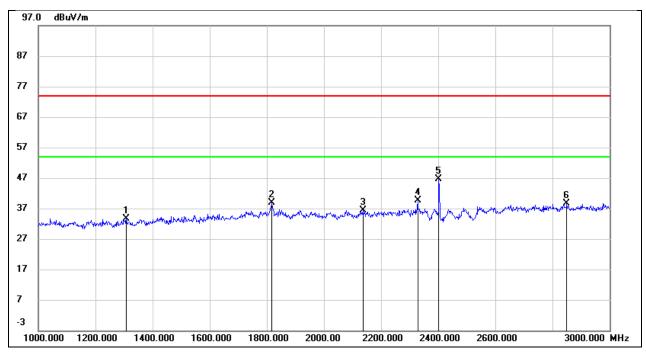
Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1438.000	47.21	-12.24	34.97	74.00	-39.03	peak
2	1682.000	47.07	-10.79	36.28	74.00	-37.72	peak
3	1820.000	50.08	-9.98	40.10	74.00	-33.90	peak
4	1920.000	49.81	-10.05	39.76	74.00	-34.24	peak
5	2402.000	50.94	-8.59	42.35	/	/	Fundamental
6	2844.000	45.04	-6.72	38.32	74.00	-35.68	peak



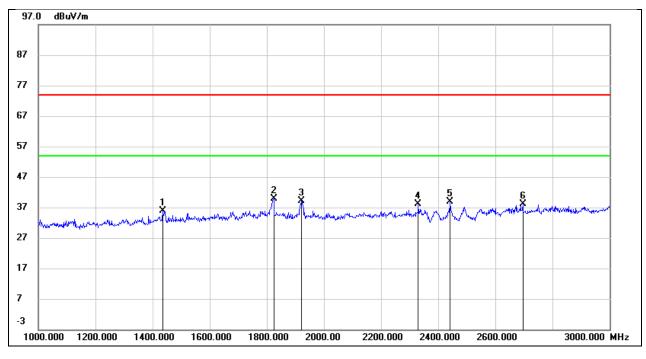
Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1308.000	46.14	-12.60	33.54	74.00	-40.46	peak
2	1818.000	48.35	-9.37	38.98	74.00	-35.02	peak
3	2136.000	45.15	-8.72	36.43	74.00	-37.57	peak
4	2328.000	47.58	-8.02	39.56	74.00	-34.44	peak
5	2402.000	54.47	-7.77	46.70	/	/	Fundamental
6	2850.000	44.15	-5.54	38.61	74.00	-35.39	peak



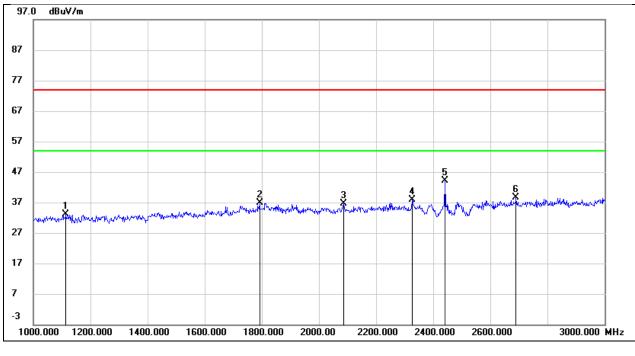
Test Mode:	GFSK	Frequency(MHz):	2441
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1436.000	48.05	-12.25	35.80	74.00	-38.20	peak
2	1824.000	49.81	-9.98	39.83	74.00	-34.17	peak
3	1922.000	49.08	-10.05	39.03	74.00	-34.97	peak
4	2330.000	46.86	-8.85	38.01	74.00	-35.99	peak
5	2441.000	47.37	-8.43	38.94	/	/	Fundamental
6	2696.000	45.36	-7.35	38.01	74.00	-35.99	peak



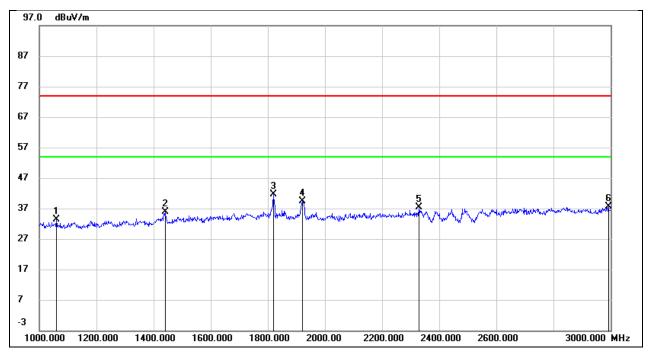
Test Mode:	GFSK	Frequency(MHz):	2441
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1114.000	46.45	-13.32	33.13	74.00	-40.87	peak
2	1792.000	46.23	-9.45	36.78	74.00	-37.22	peak
3	2086.000	45.48	-8.90	36.58	74.00	-37.42	peak
4	2326.000	46.01	-8.03	37.98	74.00	-36.02	peak
5	2441.000	51.62	-7.61	44.01	/	/	Fundamental
6	2690.000	45.08	-6.40	38.68	74.00	-35.32	peak



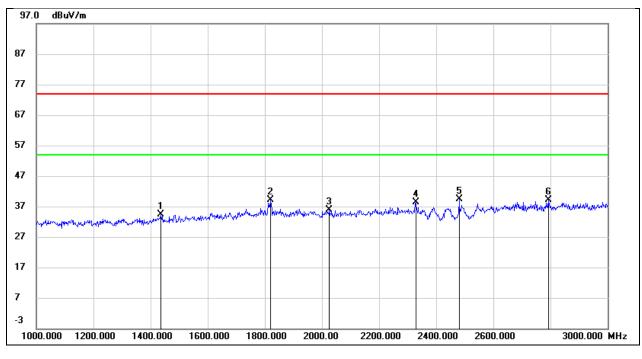
Test Mode:	GFSK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1060.000	47.53	-14.15	33.38	74.00	-40.62	peak
2	1440.000	48.15	-12.23	35.92	74.00	-38.08	peak
3	1820.000	51.54	-9.98	41.56	74.00	-32.44	peak
4	1922.000	49.52	-10.05	39.47	74.00	-34.53	peak
5	2330.000	46.27	-8.85	37.42	74.00	-36.58	peak
6	2992.000	43.64	-6.04	37.60	74.00	-36.40	peak



Test Mode:	GFSK	Frequency(MHz):	2480
Polarity:	Vertical	Test Voltage:	DC 3.3V

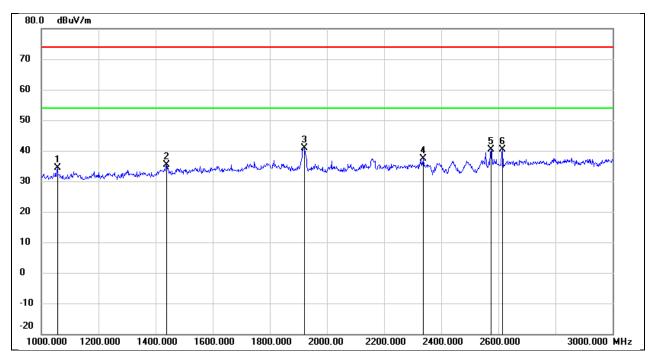


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1436.000	46.35	-12.08	34.27	74.00	-39.73	peak
2	1820.000	48.59	-9.36	39.23	74.00	-34.77	peak
3	2026.000	44.94	-9.10	35.84	74.00	-38.16	peak
4	2328.000	46.38	-8.02	38.36	74.00	-35.64	peak
5	2480.000	46.83	-7.48	39.35	/	/	Fundamental
6	2792.000	45.04	-5.86	39.18	74.00	-34.82	peak



8.4. SPURIOUS EMISSIONS(1 GHZ~3 GHZ) -ANT BT RIGHT

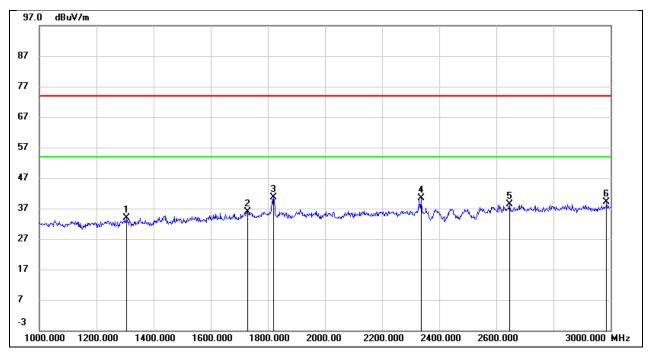
Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1056.000	48.49	-14.17	34.32	74.00	-39.68	peak
2	1438.000	47.59	-12.24	35.35	74.00	-38.65	peak
3	1922.000	50.99	-10.05	40.94	74.00	-33.06	peak
4	2338.000	46.09	-8.82	37.27	74.00	-36.73	peak
5	2574.000	48.24	-7.88	40.36	74.00	-33.64	peak
6	2614.000	48.04	-7.70	40.34	74.00	-33.66	peak



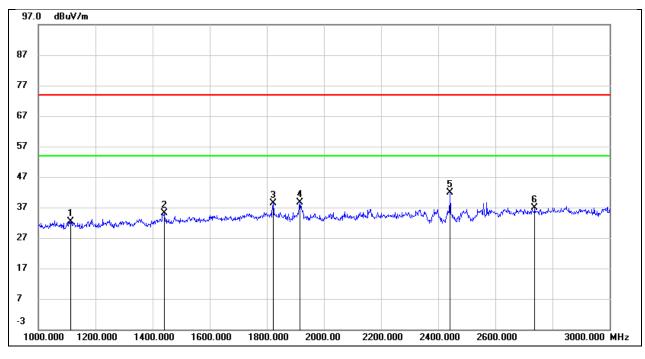
Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1306.000	46.45	-12.60	33.85	74.00	-40.15	peak
2	1728.000	45.93	-10.00	35.93	74.00	-38.07	peak
3	1820.000	50.11	-9.36	40.75	74.00	-33.25	peak
4	2338.000	48.27	-7.99	40.28	74.00	-33.72	peak
5	2646.000	44.89	-6.61	38.28	74.00	-35.72	peak
6	2986.000	43.84	-4.79	39.05	74.00	-34.95	peak



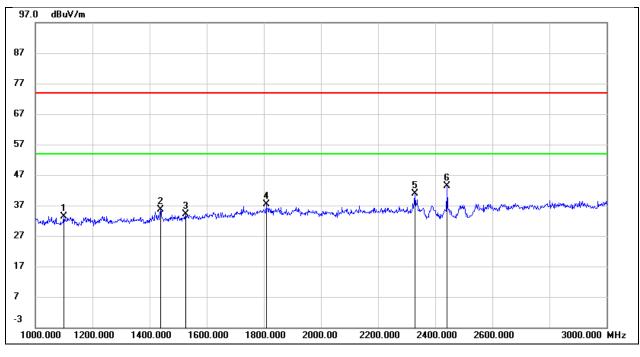
Test Mode:	GFSK	Frequency(MHz):	2441
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1112.000	46.19	-13.90	32.29	74.00	-41.71	peak
2	1440.000	47.35	-12.23	35.12	74.00	-38.88	peak
3	1822.000	48.47	-9.98	38.49	74.00	-35.51	peak
4	1916.000	48.66	-10.04	38.62	74.00	-35.38	peak
5	2441.000	50.34	-8.43	41.91	/	/	Fundamental
6	2738.000	44.09	-7.18	36.91	74.00	-37.09	peak



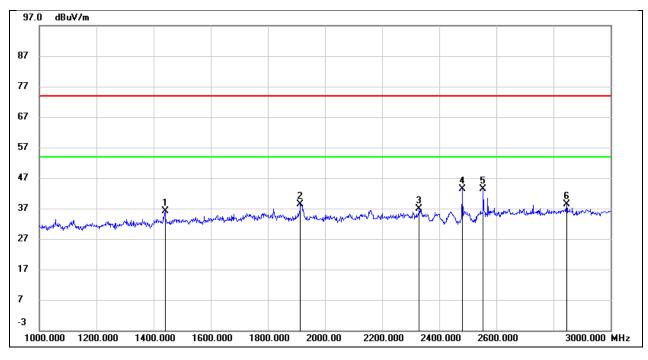
Test Mode:	GFSK	Frequency(MHz):	2441
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1100.000	46.74	-13.38	33.36	74.00	-40.64	peak
2	1438.000	47.72	-12.06	35.66	74.00	-38.34	peak
3	1526.000	45.80	-11.60	34.20	74.00	-39.80	peak
4	1808.000	46.67	-9.37	37.30	74.00	-36.70	peak
5	2328.000	48.90	-8.02	40.88	74.00	-33.12	peak
6	2441.000	51.07	-7.61	43.46	/	/	Fundamental



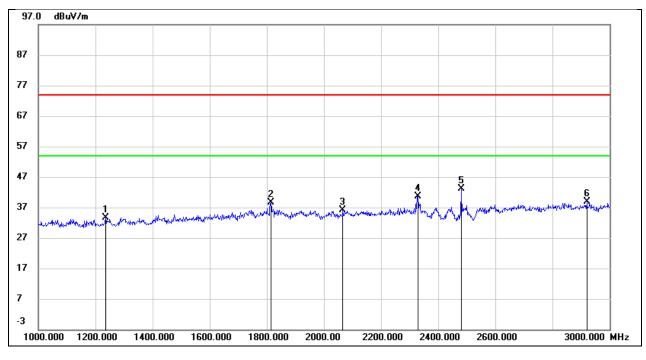
Test Mode:	GFSK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1440.000	48.35	-12.23	36.12	74.00	-37.88	peak
2	1914.000	48.48	-10.04	38.44	74.00	-35.56	peak
3	2330.000	45.83	-8.85	36.98	74.00	-37.02	peak
4	2480.000	51.58	-8.28	43.30	/	/	Fundamental
5	2554.000	51.23	-7.97	43.26	74.00	-30.74	peak
6	2846.000	44.98	-6.71	38.27	74.00	-35.73	peak



Test Mode:	GFSK	Frequency(MHz):	2480
Polarity:	Vertical	Test Voltage:	DC 3.3V

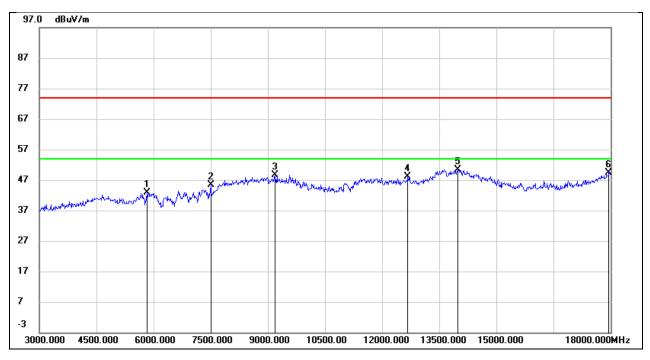


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1236.000	46.50	-12.87	33.63	74.00	-40.37	peak
2	1814.000	48.09	-9.37	38.72	74.00	-35.28	peak
3	2066.000	45.16	-8.96	36.20	74.00	-37.80	peak
4	2330.000	48.64	-8.02	40.62	74.00	-33.38	peak
5	2480.000	50.51	-7.48	43.03	/	/	Fundamental
6	2920.000	44.02	-5.16	38.86	74.00	-35.14	peak



8.5. SPURIOUS EMISSIONS(3 GHZ~18 GHZ) -ANT BT LEFT

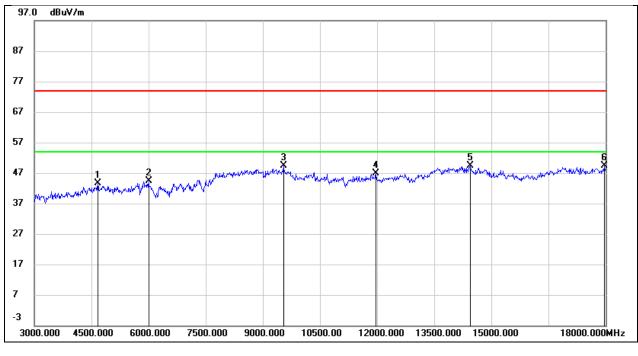
Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5820.000	40.21	2.77	42.98	74.00	-31.02	peak
2	7500.000	38.04	7.39	45.43	74.00	-28.57	peak
3	9180.000	37.73	11.00	48.73	74.00	-25.27	peak
4	12675.000	28.84	19.18	48.02	74.00	-25.98	peak
5	13995.000	26.69	23.78	50.47	74.00	-23.53	peak
6	17955.000	20.29	29.18	49.47	74.00	-24.53	peak



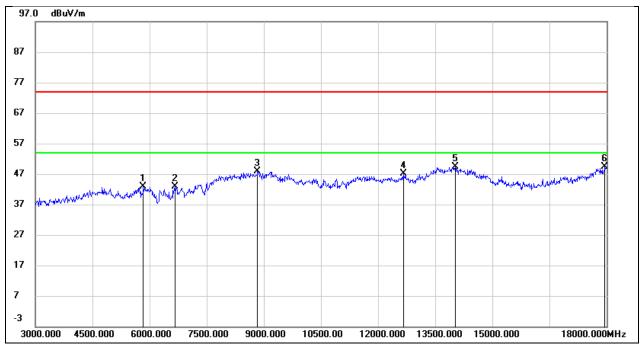
Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4665.000	42.48	1.06	43.54	74.00	-30.46	peak
2	6000.000	40.37	4.13	44.50	74.00	-29.50	peak
3	9540.000	36.75	12.52	49.27	74.00	-24.73	peak
4	11970.000	29.39	17.56	46.95	74.00	-27.05	peak
5	14445.000	27.74	21.66	49.40	74.00	-24.60	peak
6	17970.000	22.08	27.26	49.34	74.00	-24.66	peak



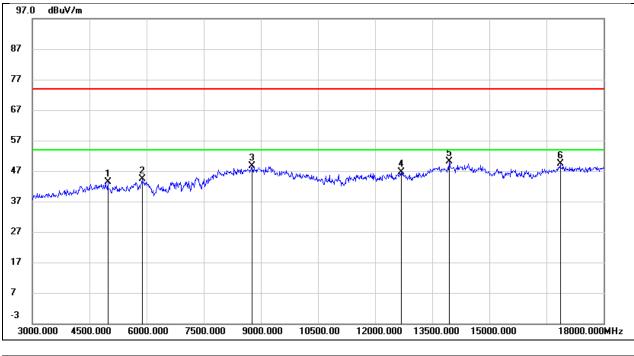
Test Mode:	GFSK	Frequency(MHz):	2441
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5835.000	39.96	2.82	42.78	74.00	-31.22	peak
2	6660.000	37.59	5.31	42.90	74.00	-31.10	peak
3	8835.000	38.18	9.67	47.85	74.00	-26.15	peak
4	12660.000	27.93	19.12	47.05	74.00	-26.95	peak
5	14025.000	25.54	23.74	49.28	74.00	-24.72	peak
6	17955.000	20.28	29.18	49.46	74.00	-24.54	peak



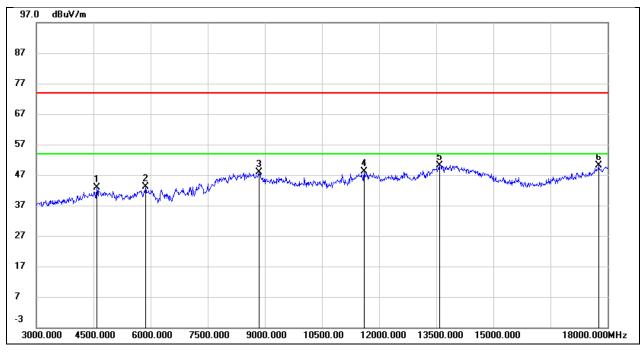
Test Mode:	GFSK	Frequency(MHz):	2441
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4980.000	41.24	2.09	43.33	74.00	-30.67	peak
2	5880.000	40.37	3.95	44.32	74.00	-29.68	peak
3	8760.000	38.56	10.01	48.57	74.00	-25.43	peak
4	12690.000	28.53	18.19	46.72	74.00	-27.28	peak
5	13950.000	28.19	21.97	50.16	74.00	-23.84	peak
6	16860.000	24.49	25.00	49.49	74.00	-24.51	peak



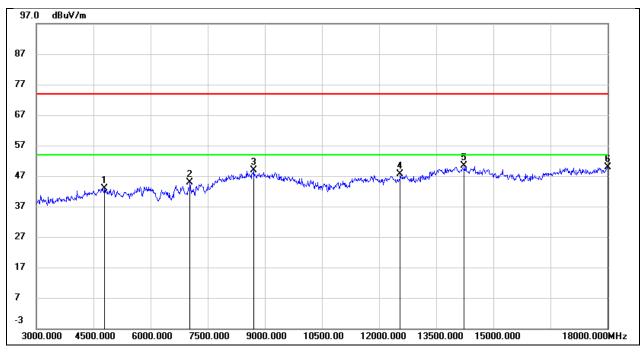
Test Mode:	GFSK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4590.000	43.00	-0.16	42.84	74.00	-31.16	peak
2	5865.000	40.23	2.86	43.09	74.00	-30.91	peak
3	8850.000	38.06	9.72	47.78	74.00	-26.22	peak
4	11610.000	29.87	18.17	48.04	74.00	-25.96	peak
5	13590.000	27.60	22.60	50.20	74.00	-23.80	peak
6	17760.000	22.71	27.31	50.02	74.00	-23.98	peak



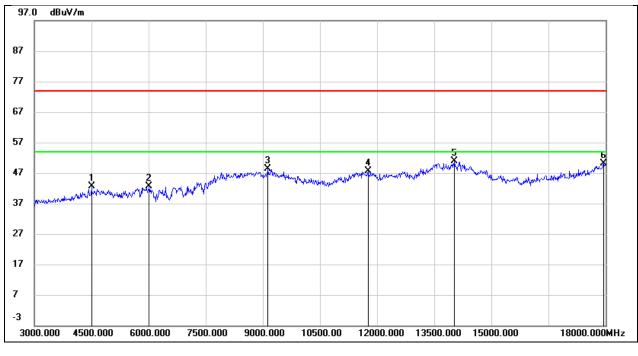
Test Mode:	GFSK	Frequency(MHz):	2480
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4785.000	41.49	1.50	42.99	74.00	-31.01	peak
2	7035.000	37.54	7.32	44.86	74.00	-29.14	peak
3	8700.000	38.93	9.95	48.88	74.00	-25.12	peak
4	12555.000	29.52	18.00	47.52	74.00	-26.48	peak
5	14235.000	28.11	22.17	50.28	74.00	-23.72	peak
6	18000.000	22.55	27.44	49.99	74.00	-24.01	peak



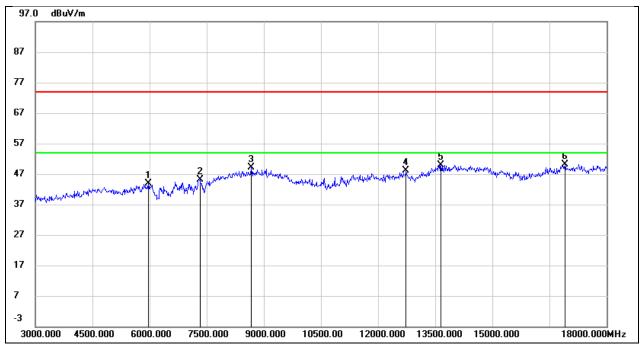
Test Mode:	8DPSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4500.000	42.96	-0.43	42.53	74.00	-31.47	peak
2	6015.000	39.44	3.20	42.64	74.00	-31.36	peak
3	9135.000	37.57	10.80	48.37	74.00	-25.63	peak
4	11760.000	29.10	18.42	47.52	74.00	-26.48	peak
5	14025.000	27.21	23.74	50.95	74.00	-23.05	peak
6	17940.000	21.22	29.03	50.25	74.00	-23.75	peak



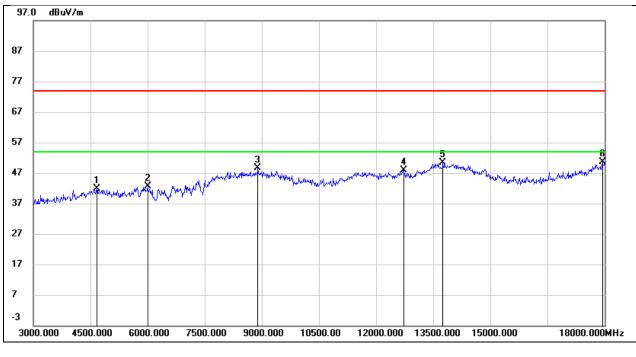
Test Mode:	8DPSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5970.000	39.72	4.08	43.80	74.00	-30.20	peak
2	7320.000	37.45	7.69	45.14	74.00	-28.86	peak
3	8670.000	39.25	9.94	49.19	74.00	-24.81	peak
4	12735.000	29.85	18.29	48.14	74.00	-25.86	peak
5	13650.000	28.96	21.02	49.98	74.00	-24.02	peak
6	16905.000	25.07	25.06	50.13	74.00	-23.87	peak



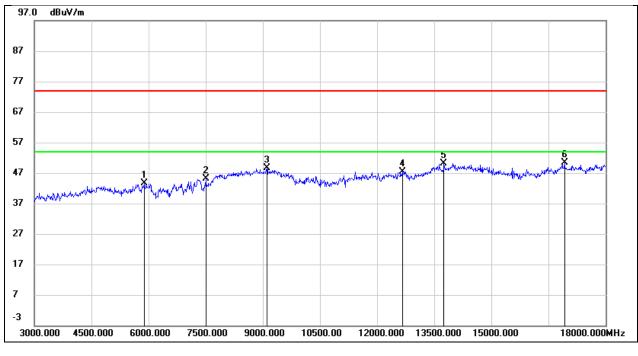
Test Mode:	8DPSK	Frequency(MHz):	2441
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4665.000	41.74	0.06	41.80	74.00	-32.20	peak
2	6000.000	39.56	3.13	42.69	74.00	-31.31	peak
3	8895.000	38.68	9.84	48.52	74.00	-25.48	peak
4	12720.000	28.69	19.29	47.98	74.00	-26.02	peak
5	13755.000	27.42	22.86	50.28	74.00	-23.72	peak
6	17940.000	21.53	29.03	50.56	74.00	-23.44	peak



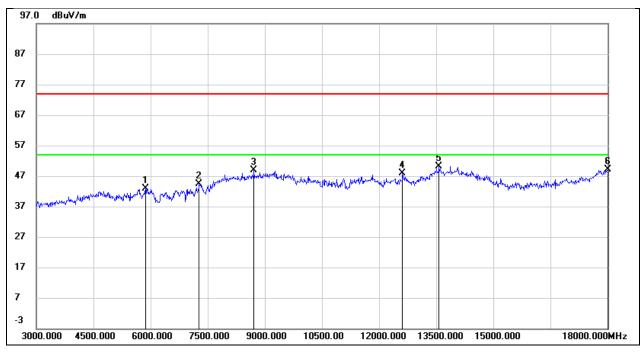
Test Mode:	8DPSK	Frequency(MHz):	2441
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5880.000	39.78	3.95	43.73	74.00	-30.27	peak
2	7500.000	37.15	7.89	45.04	74.00	-28.96	peak
3	9105.000	37.66	10.97	48.63	74.00	-25.37	peak
4	12660.000	29.30	18.13	47.43	74.00	-26.57	peak
5	13755.000	28.92	21.21	50.13	74.00	-23.87	peak
6	16920.000	25.30	25.08	50.38	74.00	-23.62	peak



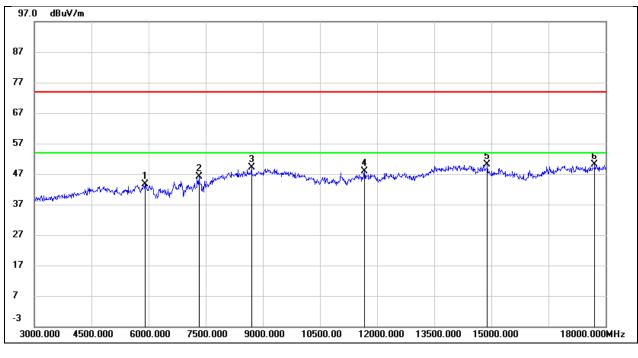
Test Mode:	8DPSK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5865.000	40.08	2.86	42.94	74.00	-31.06	peak
2	7275.000	37.49	6.99	44.48	74.00	-29.52	peak
3	8715.000	39.45	9.46	48.91	74.00	-25.09	peak
4	12615.000	28.90	19.01	47.91	74.00	-26.09	peak
5	13575.000	27.65	22.58	50.23	74.00	-23.77	peak
6	18000.000	19.38	29.64	49.02	74.00	-24.98	peak



Test Mode:	8DPSK	Frequency(MHz):	2480
Polarity:	Vertical	Test Voltage:	DC 3.3V

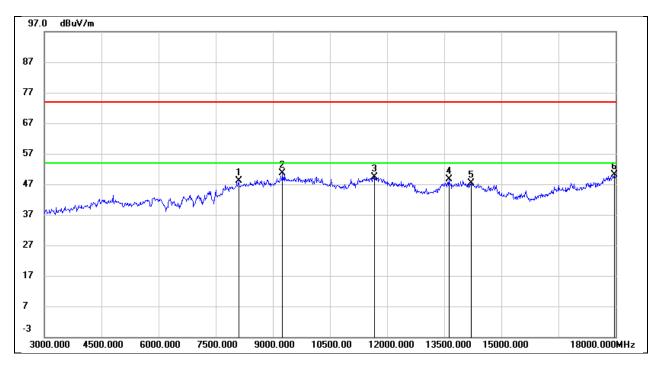


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5910.000	39.60	3.99	43.59	74.00	-30.41	peak
2	7320.000	38.50	7.69	46.19	74.00	-27.81	peak
3	8700.000	39.12	9.95	49.07	74.00	-24.93	peak
4	11670.000	31.00	16.91	47.91	74.00	-26.09	peak
5	14895.000	29.43	20.68	50.11	74.00	-23.89	peak
6	17715.000	24.05	26.04	50.09	74.00	-23.91	peak



8.6. SPURIOUS EMISSIONS(3 GHZ~18 GHZ) -ANT BT RIGHT

Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V

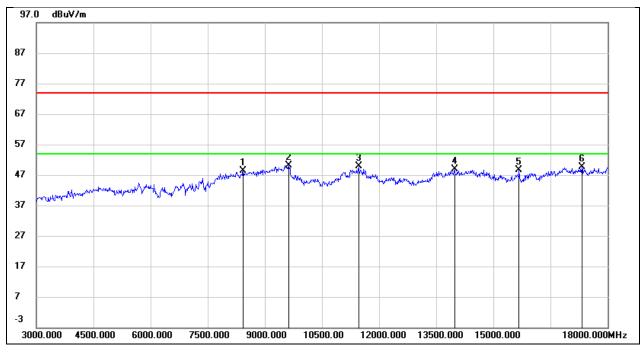


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	8100.000	39.85	8.29	48.14	74.00	-25.86	peak
2	9255.000	39.26	11.32	50.58	74.00	-23.42	peak
3	11670.000	31.22	18.27	49.49	74.00	-24.51	peak
4	13620.000	25.87	22.65	48.52	74.00	-25.48	peak
5	14205.000	23.94	23.32	47.26	74.00	-26.74	peak
6	17970.000	20.68	29.33	50.01	74.00	-23.99	peak

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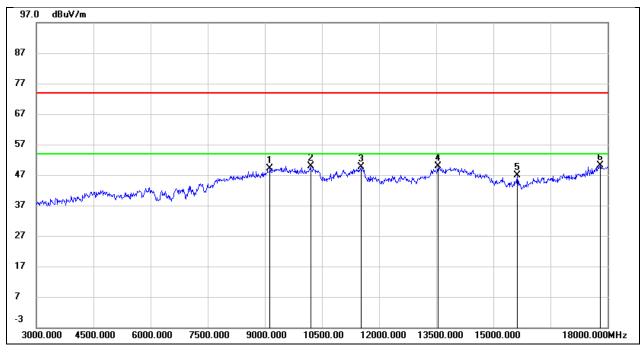
Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	8430.000	38.87	9.51	48.38	74.00	-25.62	peak
2	9630.000	37.52	12.72	50.24	74.00	-23.76	peak
3	11460.000	33.38	16.39	49.77	74.00	-24.23	peak
4	13980.000	26.80	22.11	48.91	74.00	-25.09	peak
5	15675.000	27.36	21.23	48.59	74.00	-25.41	peak
6	17325.000	24.20	25.36	49.56	74.00	-24.44	peak



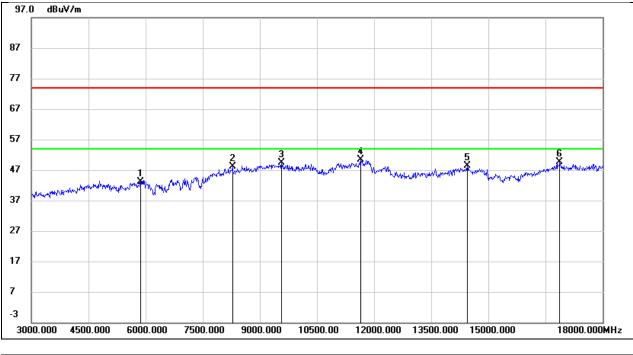
Test Mode:	GFSK	Frequency(MHz):	2441
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9135.000	38.38	10.80	49.18	74.00	-24.82	peak
2	10200.000	36.51	13.27	49.78	74.00	-24.22	peak
3	11520.000	31.56	18.01	49.57	74.00	-24.43	peak
4	13545.000	27.41	22.52	49.93	74.00	-24.07	peak
5	15630.000	27.26	19.50	46.76	74.00	-27.24	peak
6	17805.000	22.43	27.65	50.08	74.00	-23.92	peak



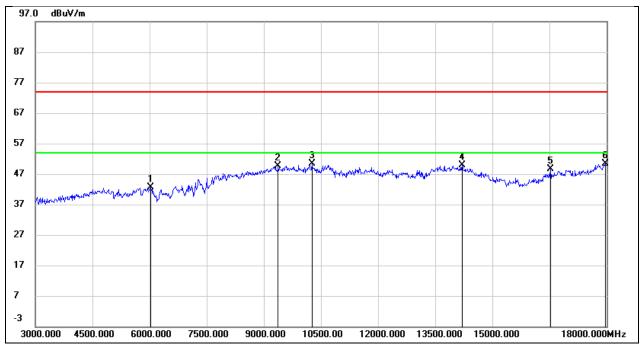
Test Mode:	GFSK	Frequency(MHz):	2441
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5865.000	39.15	3.92	43.07	74.00	-30.93	peak
2	8280.000	38.82	9.23	48.05	74.00	-25.95	peak
3	9570.000	36.71	12.60	49.31	74.00	-24.69	peak
4	11640.000	33.47	16.84	50.31	74.00	-23.69	peak
5	14445.000	26.81	21.66	48.47	74.00	-25.53	peak
6	16875.000	24.63	25.02	49.65	74.00	-24.35	peak



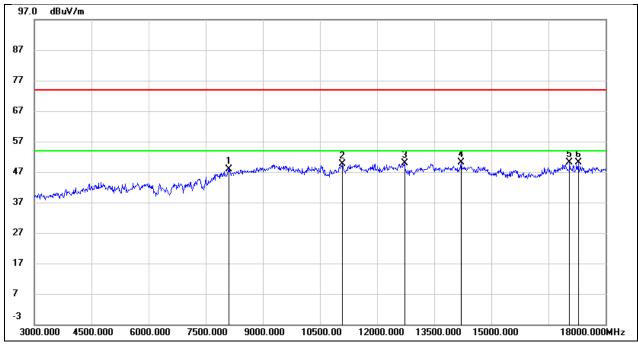
Test Mode:	GFSK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	6030.000	39.47	3.26	42.73	74.00	-31.27	peak
2	9375.000	37.70	11.84	49.54	74.00	-24.46	peak
3	10260.000	36.99	13.34	50.33	74.00	-23.67	peak
4	14205.000	26.45	23.32	49.77	74.00	-24.23	peak
5	16530.000	26.11	22.45	48.56	74.00	-25.44	peak
6	17970.000	21.00	29.33	50.33	74.00	-23.67	peak



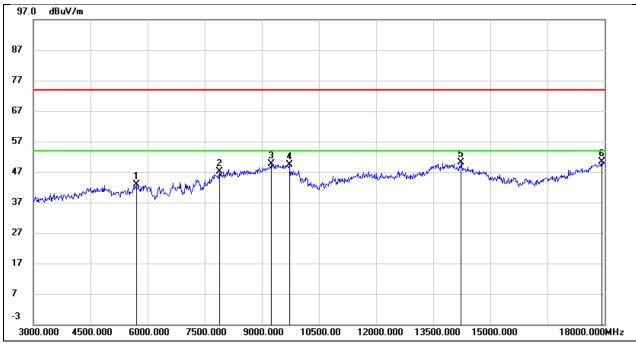
Test Mode:	GFSK	Frequency(MHz):	2480
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	8115.000	39.02	8.86	47.88	74.00	-26.12	peak
2	11085.000	34.14	15.54	49.68	74.00	-24.32	peak
3	12720.000	31.54	18.26	49.80	74.00	-24.20	peak
4	14205.000	27.89	22.26	50.15	74.00	-23.85	peak
5	17055.000	24.80	25.21	50.01	74.00	-23.99	peak
6	17280.000	24.68	25.35	50.03	74.00	-23.97	peak



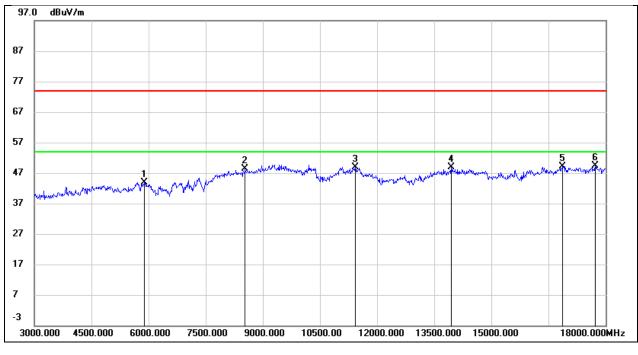
Test Mode:	8DPSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5700.000	40.35	2.53	42.88	74.00	-31.12	peak
2	7890.000	39.17	7.86	47.03	74.00	-26.97	peak
3	9255.000	38.36	11.32	49.68	74.00	-24.32	peak
4	9720.000	36.25	13.11	49.36	74.00	-24.64	peak
5	14235.000	26.85	23.16	50.01	74.00	-23.99	peak
6	17925.000	21.47	28.87	50.34	74.00	-23.66	peak



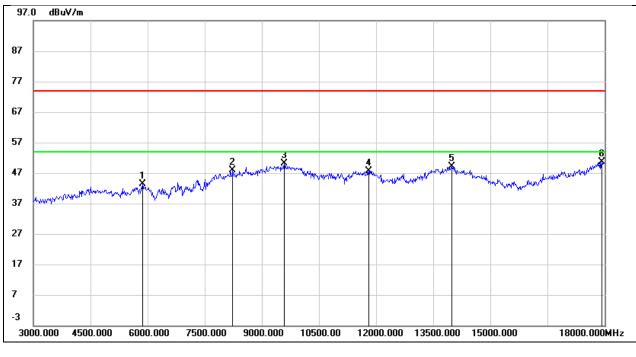
Test Mode:	8DPSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5880.000	40.04	3.95	43.99	74.00	-30.01	peak
2	8535.000	38.63	9.71	48.34	74.00	-25.66	peak
3	11430.000	32.48	16.31	48.79	74.00	-25.21	peak
4	13950.000	26.86	21.97	48.83	74.00	-25.17	peak
5	16875.000	24.11	25.02	49.13	74.00	-24.87	peak
6	17730.000	23.29	26.08	49.37	74.00	-24.63	peak



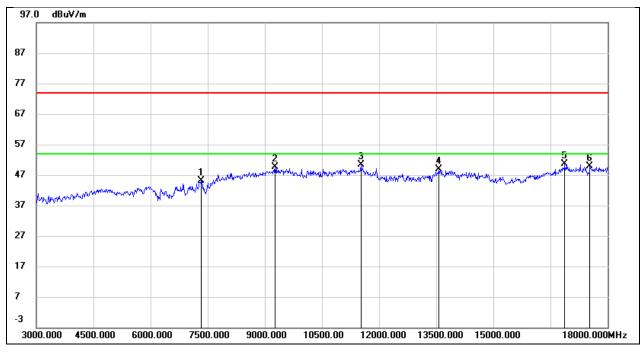
Test Mode:	8DPSK	Frequency(MHz):	2441
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5865.000	40.60	2.86	43.46	74.00	-30.54	peak
2	8235.000	39.15	8.61	47.76	74.00	-26.24	peak
3	9585.000	37.30	12.77	50.07	74.00	-23.93	peak
4	11805.000	29.23	18.50	47.73	74.00	-26.27	peak
5	13995.000	25.29	23.78	49.07	74.00	-24.93	peak
6	17925.000	21.75	28.87	50.62	74.00	-23.38	peak



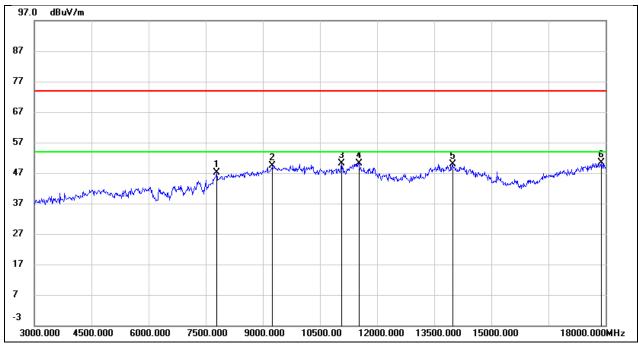
Test Mode:	8DPSK	Frequency(MHz):	2441
Polarity:	Vertical	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7320.000	37.46	7.69	45.15	74.00	-28.85	peak
2	9270.000	38.10	11.57	49.67	74.00	-24.33	peak
3	11520.000	33.97	16.53	50.50	74.00	-23.50	peak
4	13575.000	28.06	20.90	48.96	74.00	-25.04	peak
5	16875.000	25.63	25.02	50.65	74.00	-23.35	peak
6	17535.000	24.28	25.53	49.81	74.00	-24.19	peak



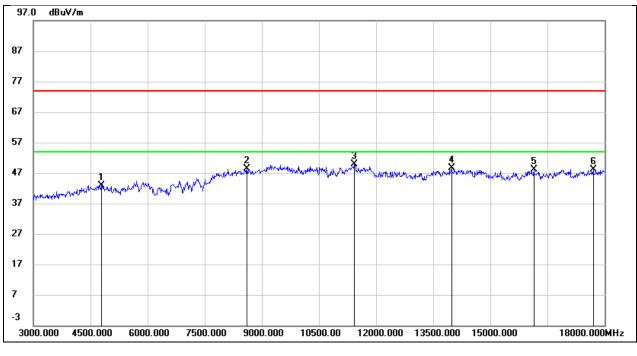
Test Mode:	8DPSK	Frequency(MHz):	2480
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7785.000	39.33	7.68	47.01	74.00	-26.99	peak
2	9255.000	38.01	11.32	49.33	74.00	-24.67	peak
3	11070.000	33.79	16.36	50.15	74.00	-23.85	peak
4	11520.000	32.07	18.01	50.08	74.00	-23.92	peak
5	13980.000	26.26	23.71	49.97	74.00	-24.03	peak
6	17880.000	22.00	28.42	50.42	74.00	-23.58	peak



Test Mode:	8DPSK	Frequency(MHz):	2480
Polarity:	Vertical	Test Voltage:	DC 3.3V

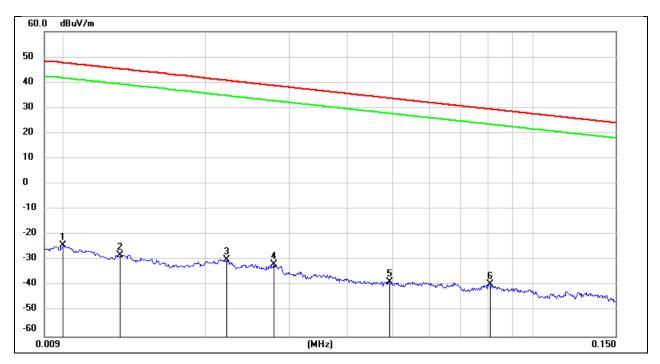


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4785.000	41.50	1.50	43.00	74.00	-31.00	peak
2	8610.000	38.48	9.88	48.36	74.00	-25.64	peak
3	11430.000	33.56	16.31	49.87	74.00	-24.13	peak
4	13980.000	26.64	22.11	48.75	74.00	-25.25	peak
5	16140.000	25.23	22.93	48.16	74.00	-25.84	peak
6	17700.000	22.21	25.99	48.20	74.00	-25.80	peak



8.7. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

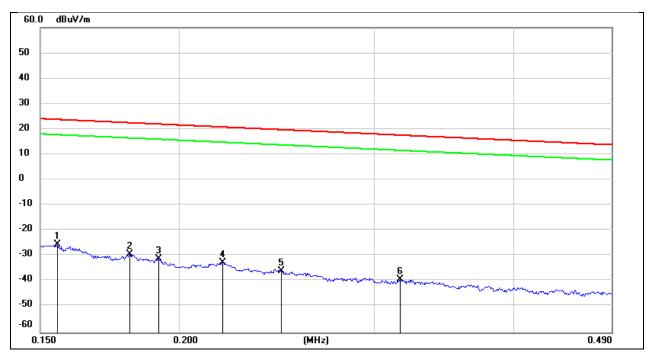
Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



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	0.0100	77.22	-101.40	-24.18	47.60	-75.68	-3.90	-71.78	peak
2	0.0131	73.45	-101.38	-27.93	45.25	-79.43	-6.25	-73.18	peak
3	0.0221	71.63	-101.35	-29.72	40.71	-81.22	-10.79	-70.43	peak
4	0.0279	69.67	-101.38	-31.71	38.69	-83.21	-12.81	-70.40	peak
5	0.0492	63.05	-101.47	-38.42	33.76	-89.92	-17.74	-72.18	peak
6	0.0806	62.18	-101.63	-39.45	29.47	-90.95	-22.03	-68.92	peak



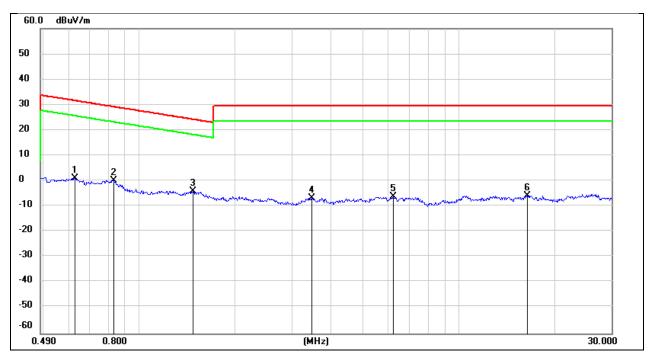
Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



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	0.1554	76.27	-101.65	-25.38	23.77	-76.88	-27.73	-49.15	peak
2	0.1804	72.43	-101.68	-29.25	22.48	-80.75	-29.02	-51.73	peak
3	0.1917	70.54	-101.70	-31.16	21.95	-82.66	-29.55	-53.11	peak
4	0.2190	69.27	-101.75	-32.48	20.79	-83.98	-30.71	-53.27	peak
5	0.2472	65.95	-101.80	-35.85	19.74	-87.35	-31.76	-55.59	peak



Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V

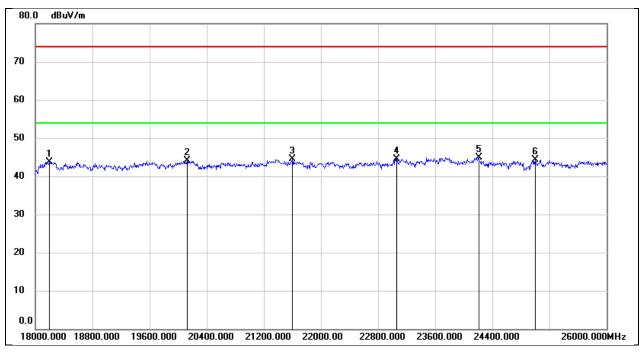


No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.6298	63.17	-62.09	1.08	31.62	-50.42	-19.88	-30.54	peak
2	0.8296	62.44	-62.17	0.27	29.23	-51.23	-22.27	-28.96	peak
3	1.4700	57.89	-62.05	-4.16	24.26	-55.66	-27.24	-28.42	peak
4	3.4704	54.85	-61.46	-6.61	29.54	-58.11	-21.96	-36.15	peak
5	6.2445	55.13	-61.32	-6.19	29.54	-57.69	-21.96	-35.73	peak
6	16.3959	55.17	-60.96	-5.79	29.54	-57.29	-21.96	-35.33	peak



8.8. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V

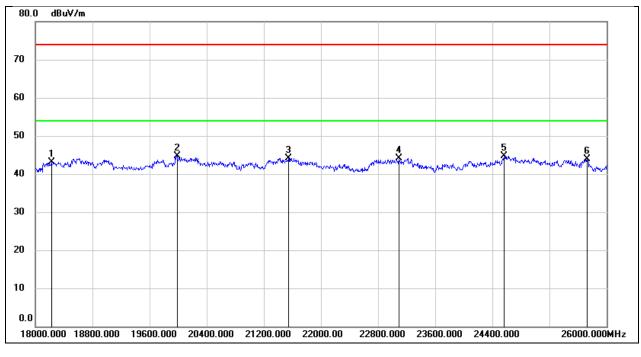


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18200.000	49.29	-5.52	43.77	74.00	-30.23	peak
2	20128.000	49.62	-5.53	44.09	74.00	-29.91	peak
3	21600.000	49.02	-4.54	44.48	74.00	-29.52	peak
4	23064.000	47.99	-3.42	44.57	74.00	-29.43	peak
5	24208.000	47.71	-2.81	44.90	74.00	-29.10	peak
6	25000.000	46.36	-2.10	44.26	74.00	-29.74	peak

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Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Vertical	Test Voltage:	DC 3.3V

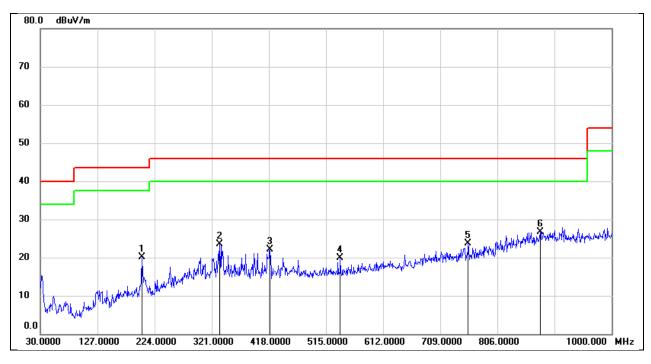


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18224.000	48.58	-5.53	43.05	74.00	-30.95	peak
2	19984.000	50.21	-5.44	44.77	74.00	-29.23	peak
3	21544.000	48.76	-4.63	44.13	74.00	-29.87	peak
4	23088.000	47.52	-3.41	44.11	74.00	-29.89	peak
5	24568.000	47.10	-2.33	44.77	74.00	-29.23	peak
6	25728.000	44.61	-0.72	43.89	74.00	-30.11	peak



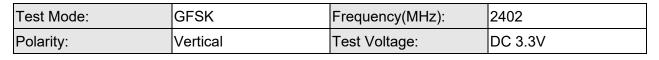
8.9. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

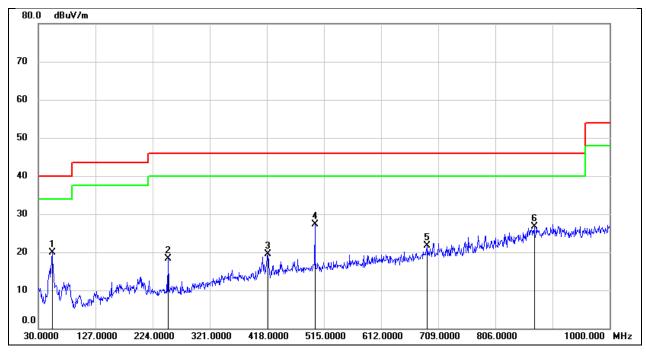
Test Mode:	GFSK	Frequency(MHz):	2402
Polarity:	Horizontal	Test Voltage:	DC 3.3V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	202.6600	32.56	-12.41	20.15	43.50	-23.35	QP
2	334.5799	33.67	-10.14	23.53	46.00	-22.47	QP
3	419.9400	31.21	-9.02	22.19	46.00	-23.81	QP
4	539.2500	27.10	-7.17	19.93	46.00	-26.07	QP
5	756.5300	27.03	-3.42	23.61	46.00	-22.39	QP
6	878.7500	27.47	-0.80	26.67	46.00	-19.33	QP







No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	53.2800	34.85	-15.03	19.82	40.00	-20.18	QP
2	250.1900	32.96	-14.56	18.40	46.00	-27.60	QP
3	419.9400	28.62	-9.02	19.60	46.00	-26.40	QP
4	499.4800	34.98	-7.69	27.29	46.00	-18.71	QP
5	690.5700	26.11	-4.48	21.63	46.00	-24.37	QP
6	871.9600	27.72	-0.93	26.79	46.00	-19.21	QP



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



10. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

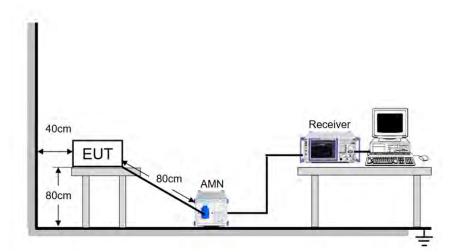
TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP



TEST ENVIRONMENT

Temperature	22.4 ℃	Relative Humidity	75.0%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V 60Hz

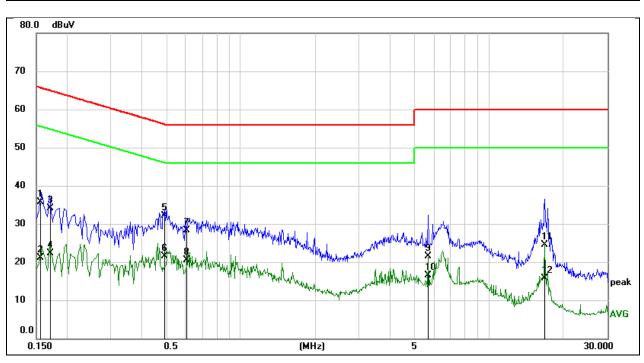


TEST DATE / ENGINEER

Test Date	March 28, 2025	Test By	Johnson Liu

TEST RESULTS

Test Mode:	DH5	Frequency(MHz):	2402
Line:	Line		



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1552	26.06	9.73	35.79	65.72	-29.93	QP
2	0.1552	11.34	9.73	21.07	55.72	-34.65	AVG
3	0.1703	24.41	9.70	34.11	64.95	-30.84	QP
4	0.1703	12.65	9.70	22.35	54.95	-32.60	AVG
5	0.4915	22.54	9.64	32.18	56.14	-23.96	QP
6	0.4915	11.82	9.64	21.46	46.14	-24.68	AVG
7	0.6059	18.69	9.64	28.33	56.00	-27.67	QP
8	0.6059	10.95	9.64	20.59	46.00	-25.41	AVG
9	5.7093	11.84	9.73	21.57	60.00	-38.43	QP
10	5.7093	6.76	9.73	16.49	50.00	-33.51	AVG
11	16.7979	14.74	9.74	24.48	60.00	-35.52	QP
12	16.7979	5.90	9.74	15.64	50.00	-34.36	AVG

Note:

1. Result = Reading + Correct Factor.

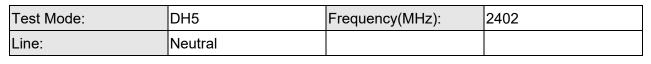
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

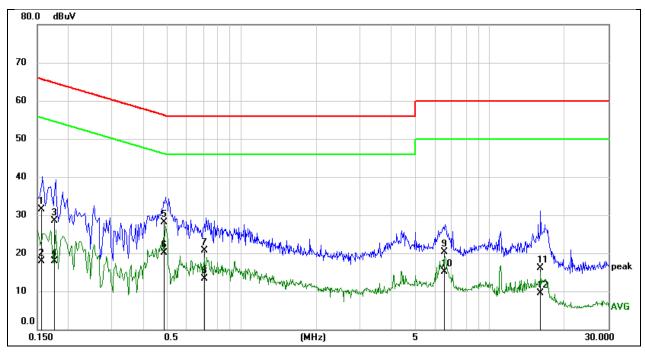
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).

4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.







No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1554	21.70	9.73	31.43	65.71	-34.28	QP
2	0.1554	8.13	9.73	17.86	55.71	-37.85	AVG
3	0.1749	18.75	9.69	28.44	64.72	-36.28	QP
4	0.1749	8.23	9.69	17.92	54.72	-36.80	AVG
5	0.4893	18.51	9.64	28.15	56.18	-28.03	QP
6	0.4893	10.42	9.64	20.06	46.18	-26.12	AVG
7	0.7090	10.98	9.63	20.61	56.00	-35.39	QP
8	0.7090	3.73	9.63	13.36	46.00	-32.64	AVG
9	6.5897	10.67	9.73	20.40	60.00	-39.60	QP
10	6.5897	5.38	9.73	15.11	50.00	-34.89	AVG
11	16.0157	6.32	9.74	16.06	60.00	-43.94	QP
12	16.0157	-0.33	9.74	9.41	50.00	-40.59	AVG

Note:

1. Result = Reading + Correct Factor.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).

4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.



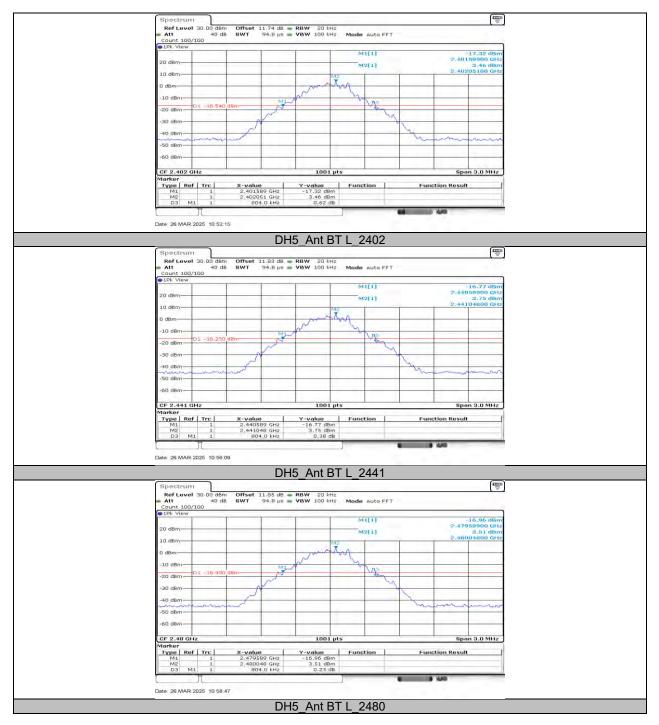
11. TEST DATA-Ant BT Left

11.1. APPENDIX A1: 20DB EMISSION BANDWIDTH 11.1.1. Test Result

Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
		2402	0.80	2401.59	2402.39	PASS
DH5	Ant BT L	2441	0.80	2440.59	2441.39	PASS
		2480	0.80	2479.59	2480.39	PASS
	Ant BT L	2402	1.29	2401.34	2402.63	PASS
3DH5		2441	1.29	2440.34	2441.63	PASS
		2480	1.29	2479.34	2480.63	PASS

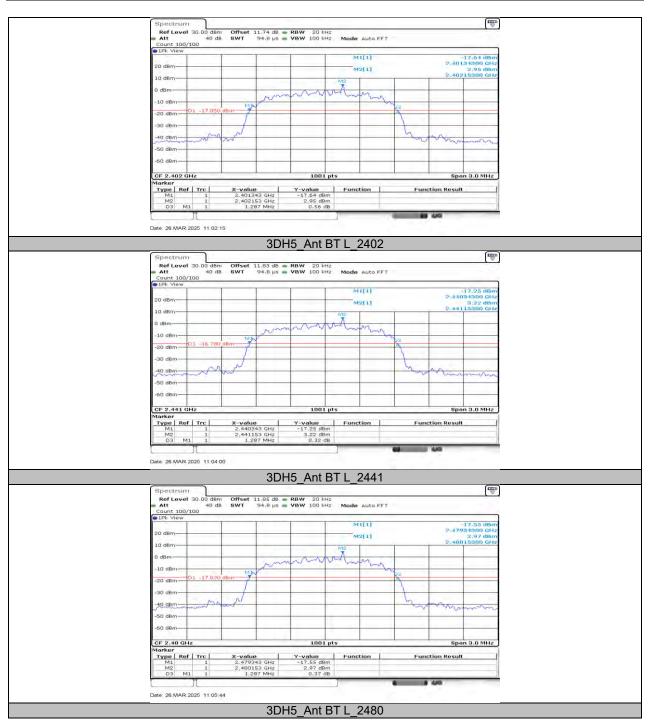


11.1.2. Test Graphs



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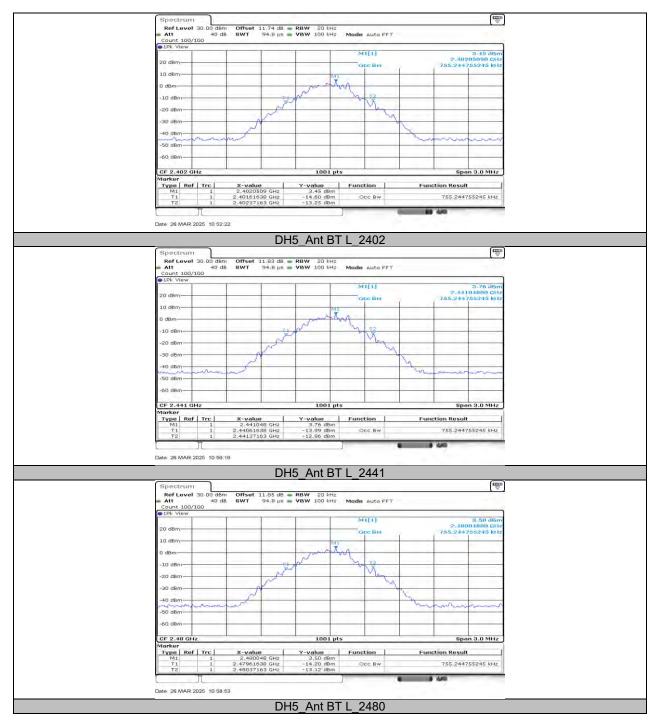


11.2. APPENDIX B1: OCCUPIED CHANNEL BANDWIDTH 11.2.1. Test Result

	Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict			
			2402	0.755	2401.6164	2402.3716	PASS			
	DH5	Ant BT L	2441	0.755	2440.6164	2441.3716	PASS			
						2480	0.755	2479.6164	2480.3716	PASS
	3DH5		2402	1.181	2401.3976	2402.5784	PASS			
		Ant BT L	2441	1.181	2440.3976	2441.5784	PASS			
			2480	1.181	2479.3976	2480.5784	PASS			

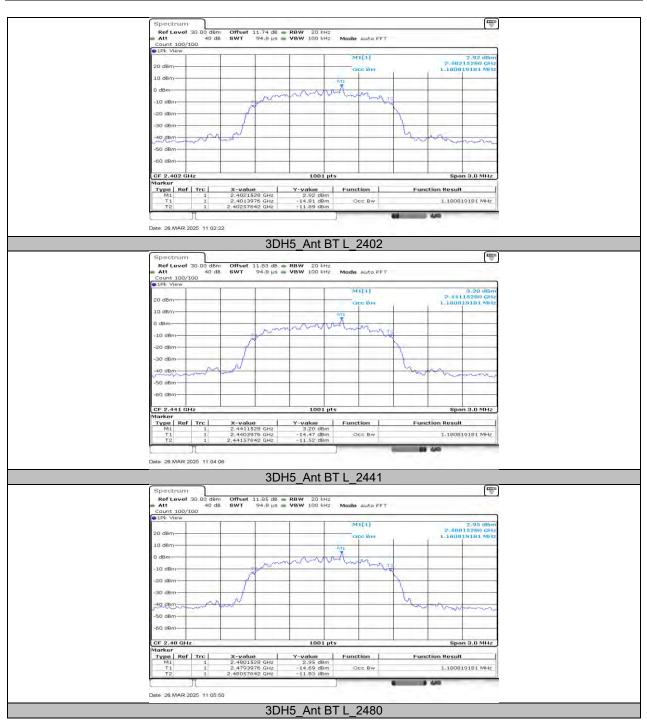


11.2.2. Test Graphs



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11.3. APPENDIX C1: MAXIMUM CONDUCTED OUTPUT POWER 11.3.1. Test Result

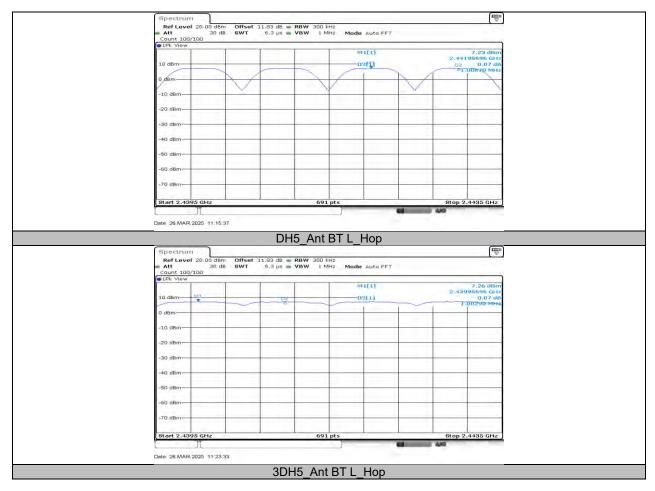
Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
		2402	7.30	≤20.97	PASS
DH5	Ant BT L	2441	7.59	≤20.97	PASS
		2480	7.33	≤20.97	PASS
		2402	10.02	≤20.97	PASS
3DH5	Ant BT L	2441	10.28	≤20.97	PASS
		2480	9.98	≤20.97	PASS



11.4. APPENDIX D1: CARRIER FREQUENCY SEPARATION 11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant BT L	Нор	1.009	≥0.800	PASS
3DH5	Ant BT L	Нор	1.003	≥0.860	PASS

11.4.2. Test Graphs





11.5. APPENDIX E1: TIME OF OCCUPANCY

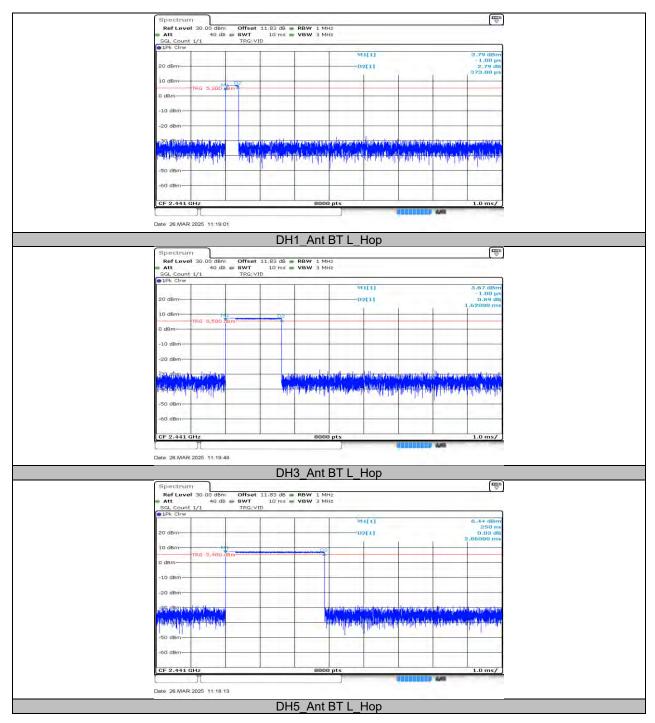
1	1	.5	.1		Tes	t R	les	ult	
---	---	----	----	--	-----	-----	-----	-----	--

FHSS Mode								
Test Mode	Antenna	Channel	BurstWidth	Result[s]	Limit[s]	Verdict		
			[ms]					
DH1	Ant BT L	Нор	0.373	0.119	≤0.4	PASS		
DH3	Ant BT L	Нор	1.620	0.259	≤0.4	PASS		
DH5	Ant BT L	Нор	2.860	0.305	≤0.4	PASS		
3DH1	Ant BT L	Нор	0.379	0.121	≤0.4	PASS		
3DH3	Ant BT L	Нор	1.623	0.260	≤0.4	PASS		
3DH5	Ant BT L	Нор	2.865	0.306	≤0.4	PASS		

AFHSS Mode								
Test Mode	Antenna	Channel	BurstWidth [ms]	Result[s]	Limit[s]	Verdict		
DH1	Ant BT L	Нор	0.373	0.060	≤0.4	PASS		
DH3	Ant BT L	Нор	1.620	0.130	≤0.4	PASS		
DH5	Ant BT L	Нор	2.860	0.153	≤0.4	PASS		
3DH1	Ant BT L	Нор	0.379	0.061	≤0.4	PASS		
3DH3	Ant BT L	Нор	1.623	0.130	≤0.4	PASS		
3DH5	Ant BT L	Нор	2.865	0.153	≤0.4	PASS		

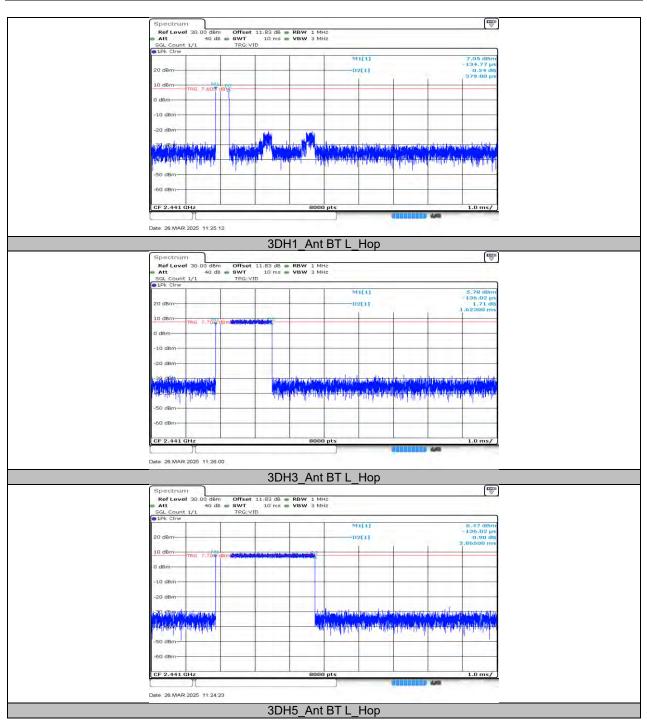


11.5.2. Test Graphs



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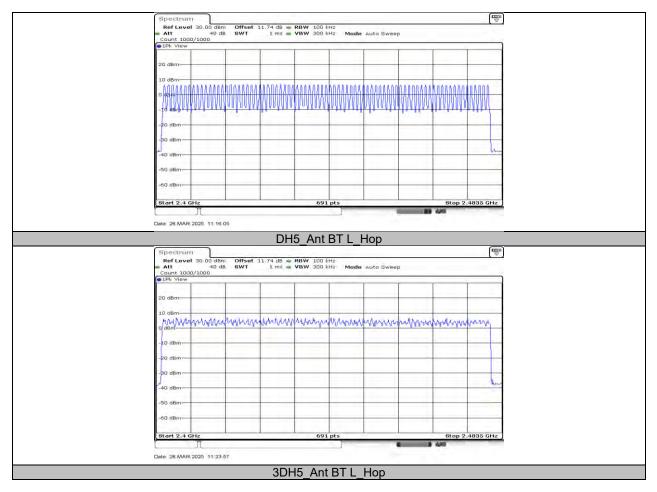




11.6. APPENDIX F1: NUMBER OF HOPPING CHANNELS 11.6.1. Test Result

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

11.6.2. Test Graphs



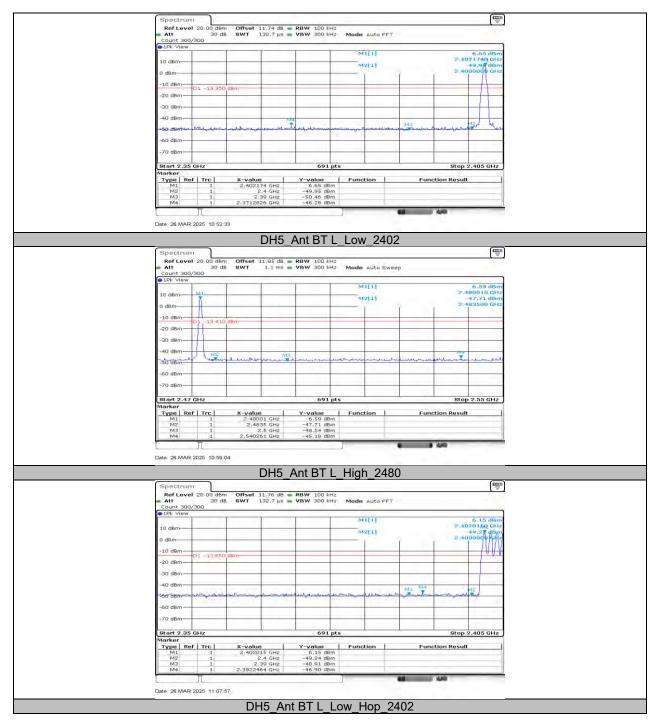


Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
		Low	2402	6.65	-46.28	≤-13.35	PASS
DH5	Ant BT L	High	2480	6.59	-45.18	≤-13.41	PASS
DHD	AIIL DT L	Low	Hop_2402	6.15	-46.9	≤-13.85	PASS
		High	Hop_2480	6.54	-45.18	≤-13.46	PASS
		Low	2402	6.09	-47.29	≤-13.91	PASS
3DH5	Ant BT L	High	2480	6.65	-45.44	≤-13.35	PASS
30H5	ANUBIL	Low	Hop_2402	6.14	-46.43	≤-13.86	PASS
		High	Hop_2480	6.57	-39.38	≤-13.43	PASS

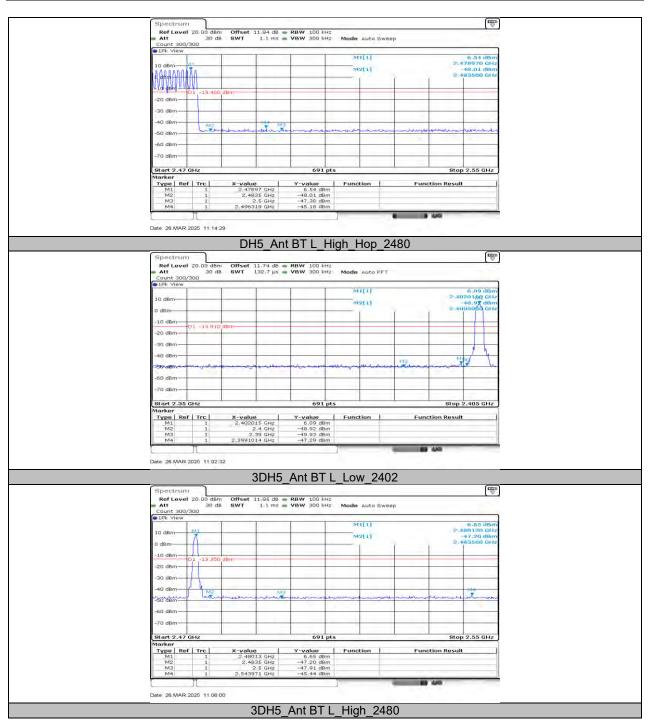
11.7. APPENDIX G1: BAND EDGE MEASUREMENTS 11.7.1. Test Result



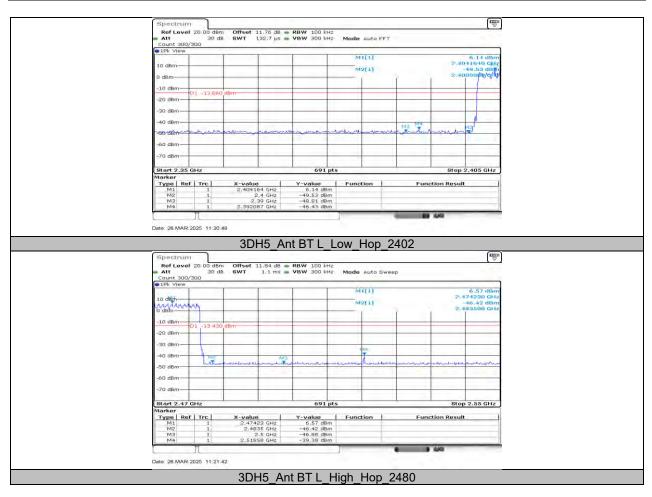
11.7.2. Test Graphs











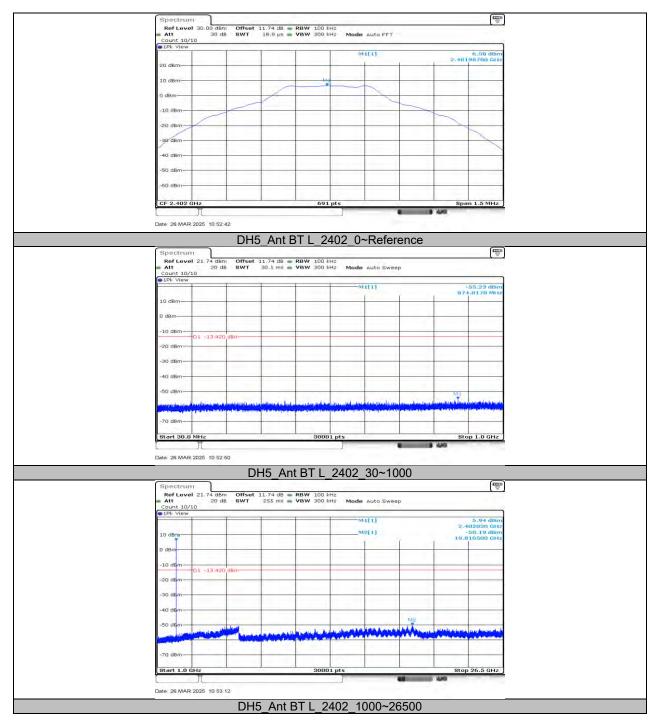


11.8. APPENDIX H1: CONDUCTED SPURIOUS EMISSION 11.8.1. Test Result

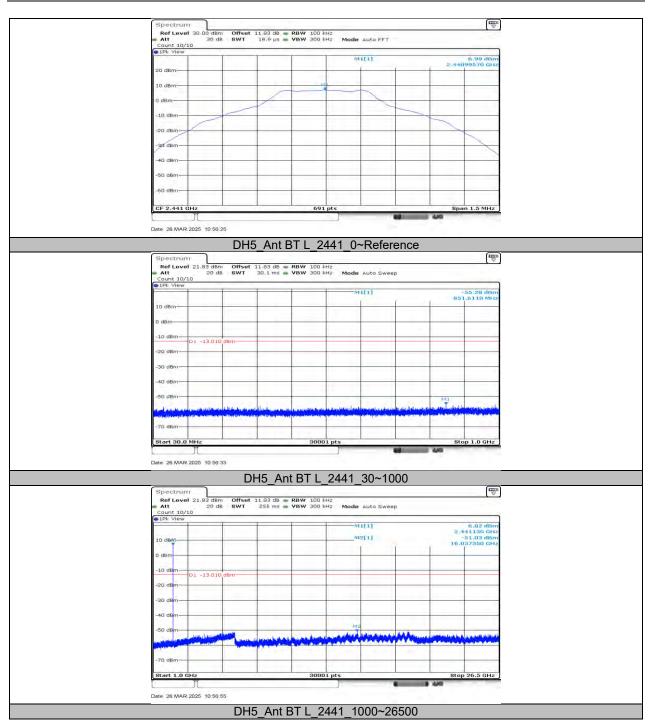
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
			Reference	6.58		PASS
		2402	30~1000	-55.23	≤-13.42	PASS
			1000~26500	-50.19	≤-13.42	PASS
			Reference	6.99		PASS
DH5	Ant BT L	2441	30~1000	-55.28	≤-13.01	PASS
			1000~26500	-51.03	≤-13.01	PASS
		2480	Reference	6.71		PASS
			30~1000	-54.98	≤-13.29	PASS
			1000~26500	-49.43	≤-13.29	PASS
		2402	Reference	6.76		PASS
			30~1000	-55.79	≤-13.24	PASS
			1000~26500	-50.57	≤-13.24	PASS
			Reference	6.99		PASS
3DH5	Ant BT L	2441	30~1000	-55.65	≤-13.01	PASS
			1000~26500	-50.16	≤-13.01	PASS
		2480	Reference	6.75		PASS
			30~1000	-55.58	≤-13.25	PASS
			1000~26500	-50.36	≤-13.25	PASS



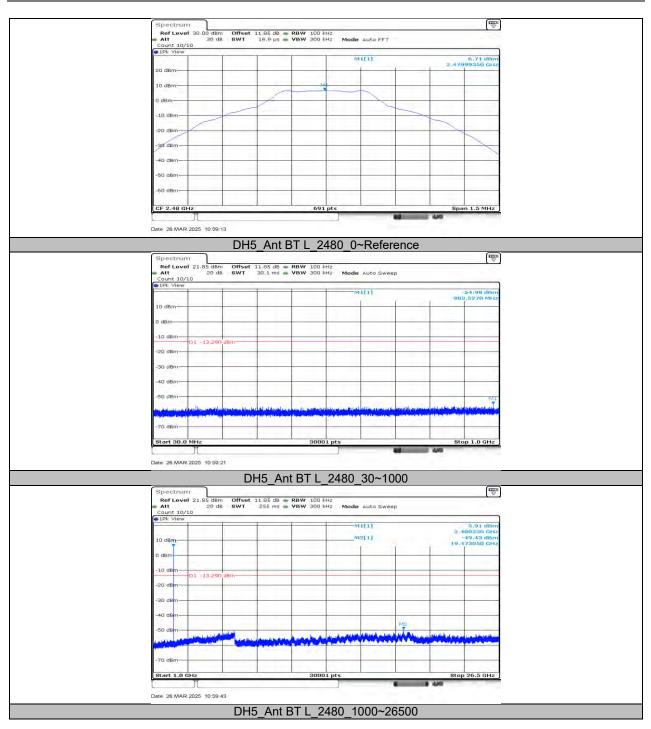
11.8.2. Test Graphs



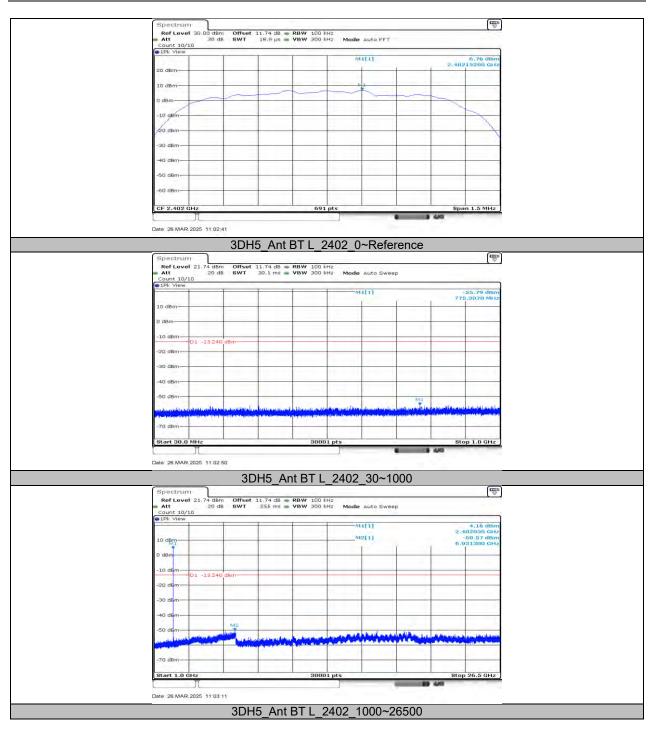




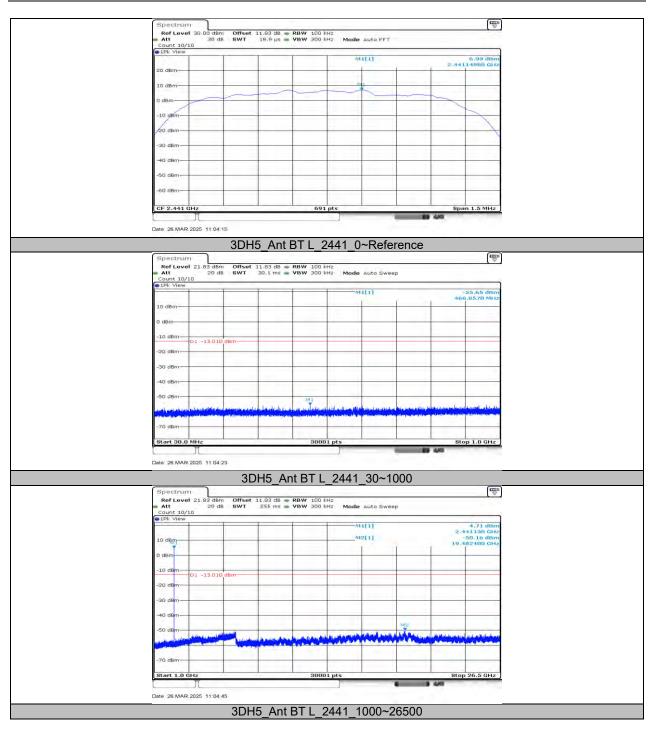




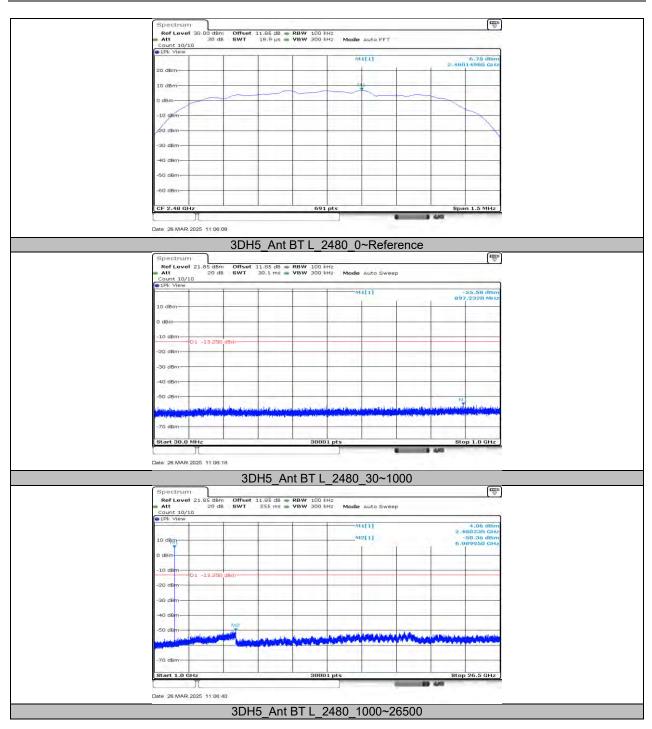














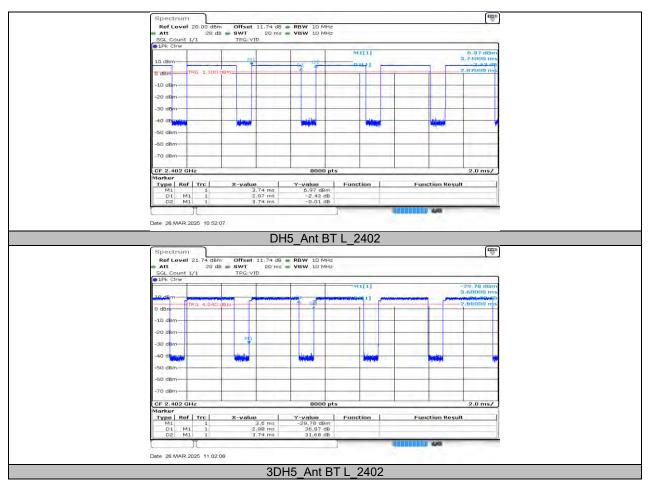
11.9. APPENDIX I1: DUTY CYCLE 11.9.1. Test Result

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	2.87	3.74	0.7674	76.74	1.15	0.35	1
3DH5	2.88	3.74	0.7701	77.01	1.13	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.

11.9.2. Test Graphs





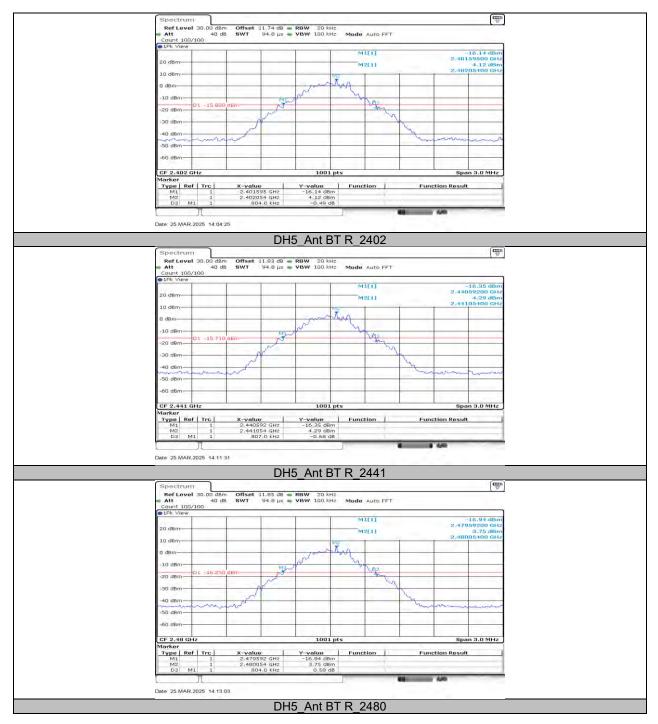
12. TEST DATA-Ant BT Right

12.1. APPENDIX A2: 20DB EMISSION BANDWIDTH 12.1.1. Test Result

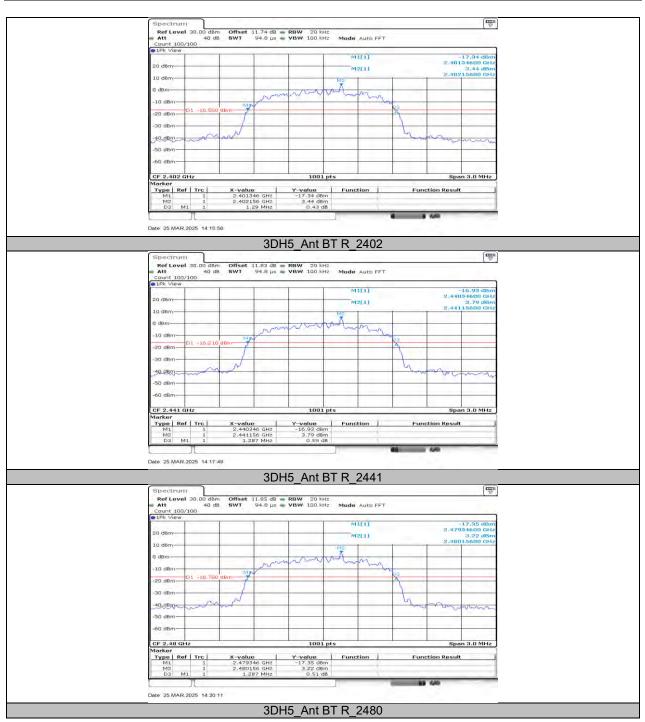
Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
		2402	0.80	2401.60	2402.40	PASS
DH5	Ant BT R	2441	0.81	2440.59	2441.40	PASS
		2480	0.80	2479.59	2480.40	PASS
		2402	1.29	2401.35	2402.64	PASS
3DH5 Ant BT R	Ant BT R	2441	1.29	2440.35	2441.63	PASS
		2480	1.29	2479.35	2480.63	PASS



12.1.2. Test Graphs







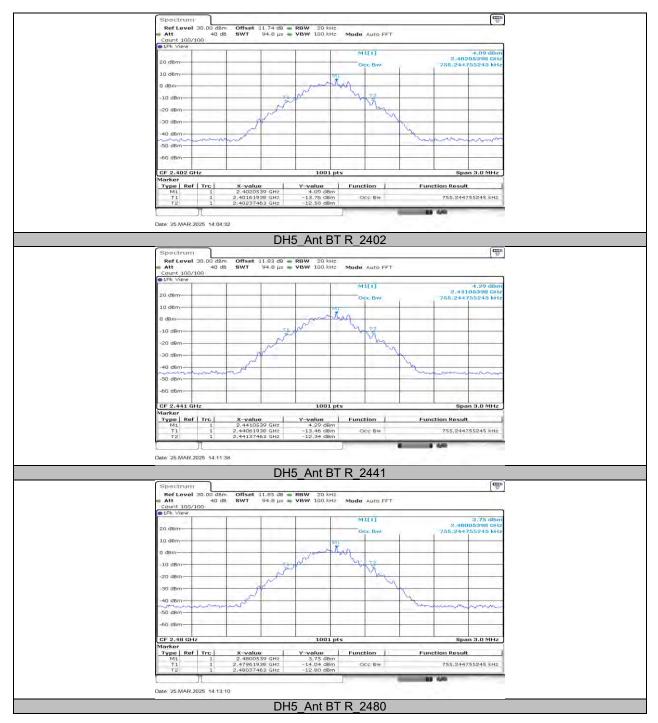


12.2. APPENDIX B2: OCCUPIED CHANNEL BANDWIDTH 12.2.1. Test Result

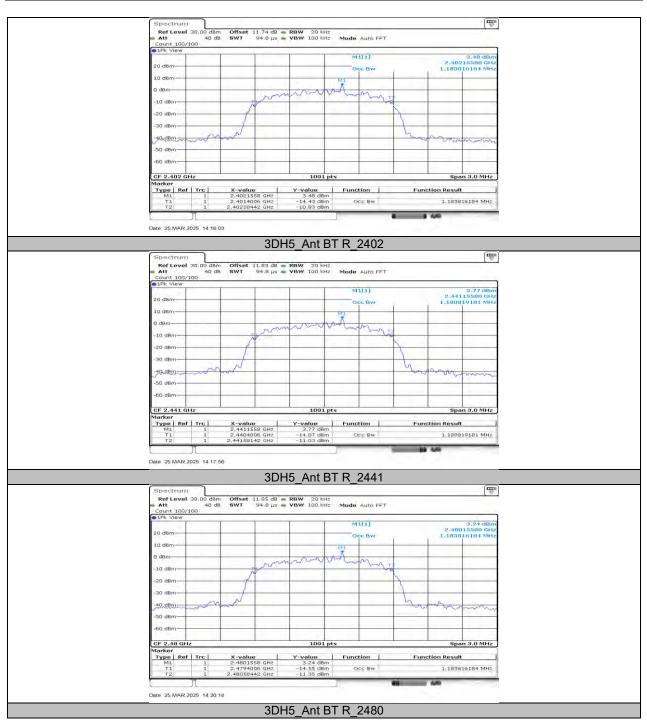
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
	2402	0.755	2401.6194	2402.3746	PASS	
DH5	DH5 Ant BT R	2441	0.755	2440.6194	2441.3746	PASS
		2480	0.755	2479.6194	2480.3746	PASS
		2402	1.184	2401.4006	2402.5844	PASS
3DH5	3DH5 Ant BT R	2441	1.181	2440.4006	2441.5814	PASS
		2480	1.184	2479.4006	2480.5844	PASS



12.2.2. Test Graphs









12.3. APPENDIX C2: MAXIMUM CONDUCTED OUTPUT POWER 12.3.1. Test Result

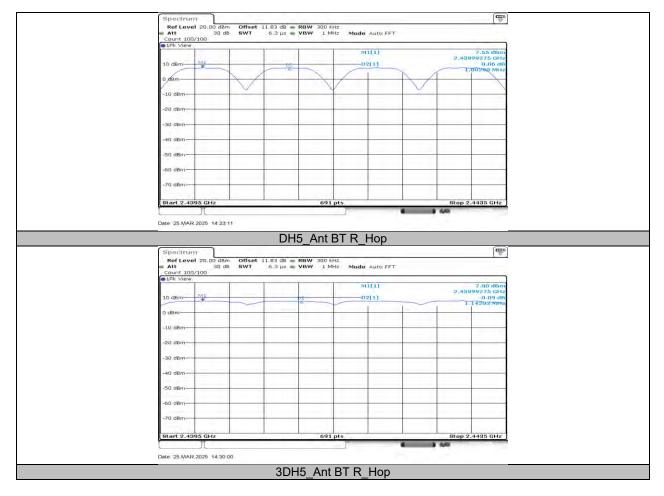
Test Mode	Antenna	Frequency[MHz] Result[dBm]		Limit[dBm]	Verdict
		2402	7.82	≤20.97	PASS
DH5	Ant BT R	2441	8.04	≤20.97	PASS
		2480	7.51	≤20.97	PASS
		2402	10.60	≤20.97	PASS
3DH5	Ant BT R	2441	10.90	≤20.97	PASS
		2480	10.23	≤20.97	PASS



12.4. APPENDIX D2: CARRIER FREQUENCY SEPARATION 12.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant BT R	Нор	1.003	≥0.810	PASS
3DH5	Ant BT R	Нор	1.142	≥0.860	PASS

12.4.2. Test Graphs





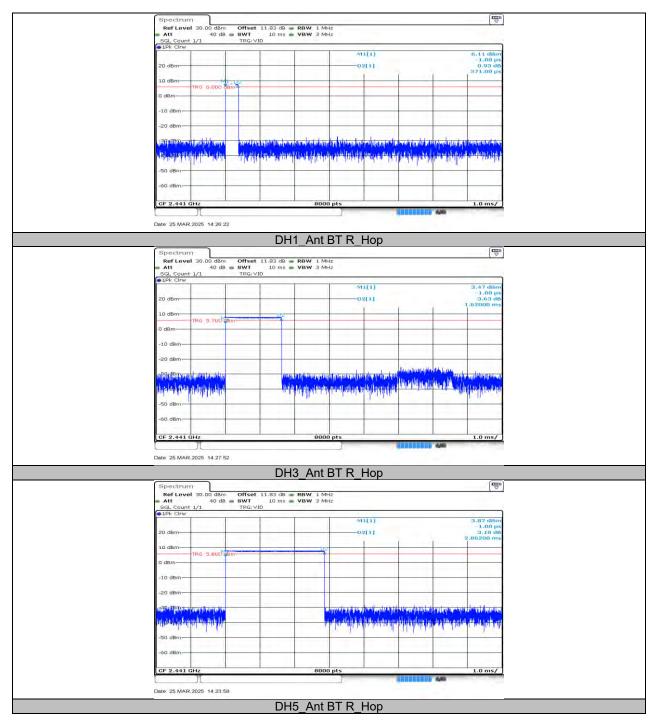
12.5. APPENDIX E2: TIME OF OCCUPANCY 12.5.1. Test Result

			FHSS Mode			
Test Mode Antenna	Channel	BurstWidth	Result[s]	Limit[s]	Verdict	
			[ms]			
DH1	Ant BT R	Нор	0.371	0.119	≤0.4	PASS
DH3	Ant BT R	Нор	1.620	0.259	≤0.4	PASS
DH5	Ant BT R	Нор	2.862	0.305	≤0.4	PASS
3DH1	Ant BT R	Нор	0.379	0.121	≤0.4	PASS
3DH3	Ant BT R	Нор	1.621	0.259	≤0.4	PASS
3DH5	Ant BT R	Нор	2.867	0.306	≤0.4	PASS

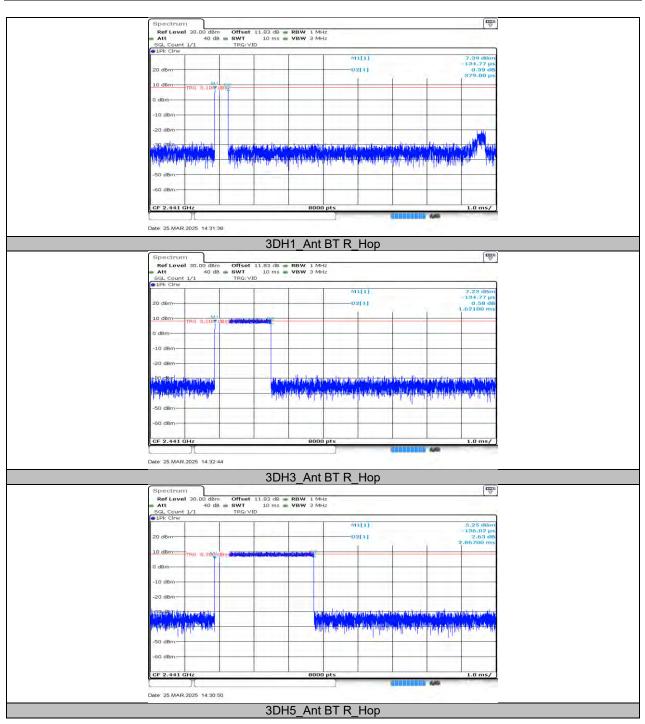
AFHSS Mode								
Test Mode	Antenna	Channel	BurstWidth [ms]	Result[s]	Limit[s]	Verdict		
DH1	Ant BT R	Нор	0.371	0.059	≤0.4	PASS		
DH3	Ant BT R	Нор	1.620	0.130	≤0.4	PASS		
DH5	Ant BT R	Нор	2.862	0.153	≤0.4	PASS		
3DH1	Ant BT R	Нор	0.379	0.061	≤0.4	PASS		
3DH3	Ant BT R	Нор	1.621	0.130	≤0.4	PASS		
3DH5	Ant BT R	Нор	2.867	0.153	≤0.4	PASS		



12.5.2. Test Graphs





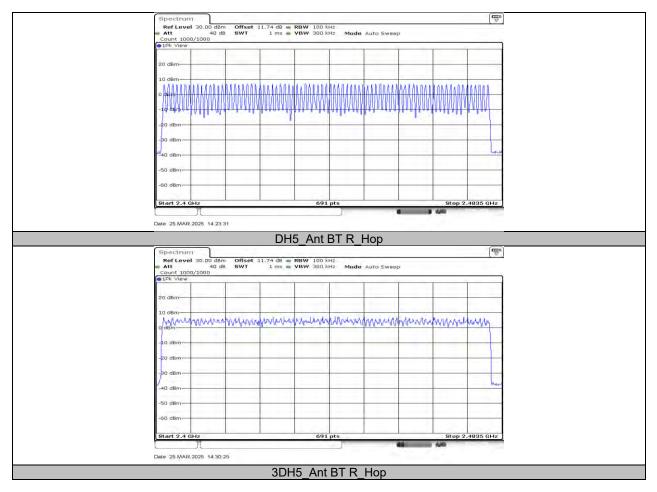




12.6. APPENDIX F2: NUMBER OF HOPPING CHANNELS 12.6.1. Test Result

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

12.6.2. Test Graphs



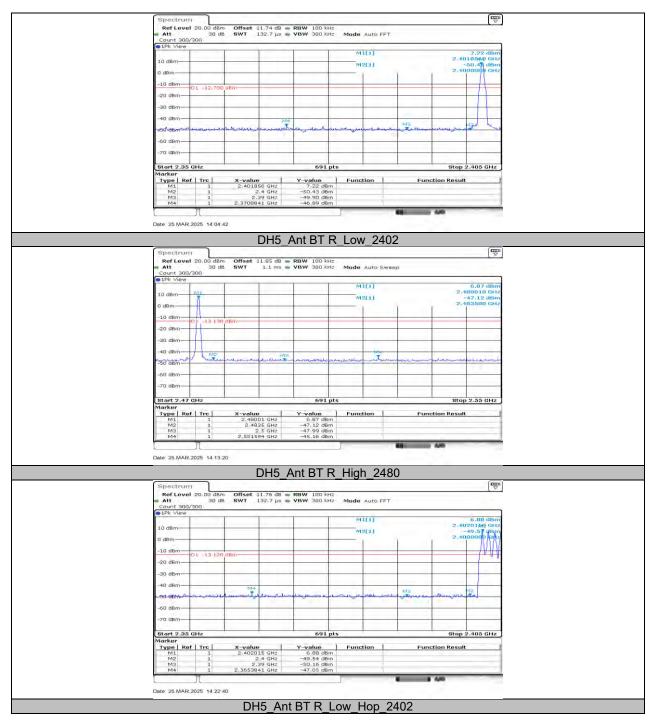


Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
		Low	2402	7.22	-46.89	≤-12.78	PASS
DH5	Ant BT R	High	2480	6.87	-45.16	≤-13.13	PASS
DHD		Low	Hop_2402	6.88	-47.05	≤-13.12	PASS
		High	Hop_2480	6.81	-45.39	≤-13.19	PASS
		Low	2402	7.30	-47.39	≤-12.7	PASS
3DH5	Ant BT R	High	2480	6.88	-45.52	≤-13.12	PASS
30H5	ANUBIR	Low	Hop_2402	5.27	-46.66	≤-14.73	PASS
		High	Hop_2480	6.46	-45.74	≤-13.54	PASS

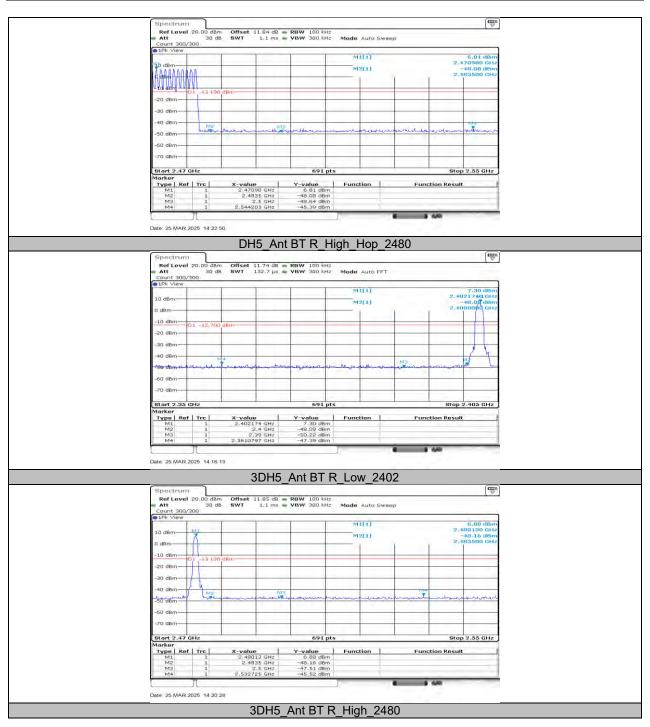
12.7. APPENDIX G2: BAND EDGE MEASUREMENTS 12.7.1. Test Result



12.7.2. Test Graphs











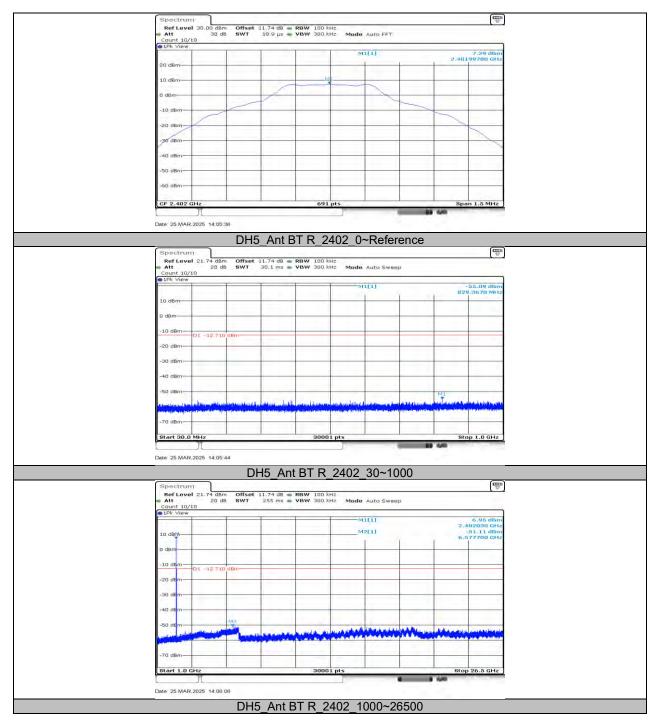


12.8. APPENDIX H2: CONDUCTED SPURIOUS EMISSION 12.8.1. Test Result

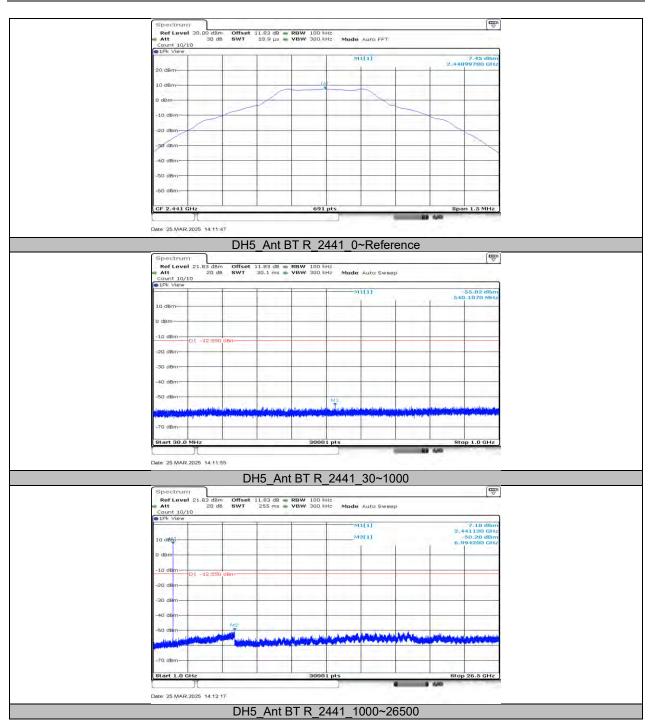
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
			Reference	7.29		PASS
		2402	30~1000	-55.09	≤-12.71	PASS
			1000~26500	-51.11	≤-12.71	PASS
			Reference	7.45		PASS
DH5	Ant BT R	2441	30~1000	-55.82	≤-12.55	PASS
			1000~26500	-50.2	≤-12.55	PASS
			Reference	6.90		PASS
		2480	30~1000	-55.89	≤-13.1	PASS
			1000~26500	-50.36	≤-13.1	PASS
		2402	Reference	7.30		PASS
			30~1000	-52.86	≤-12.7	PASS
			1000~26500	-50.44	≤-12.7	PASS
			Reference	7.56		PASS
3DH5	Ant BT R	2441	30~1000	-56.08	≤-12.44	PASS
			1000~26500	-50.84	≤-12.44	PASS
		2480	Reference	7.00		PASS
			30~1000	-50.41	≤-13	PASS
			1000~26500	-49.83	≤-13	PASS



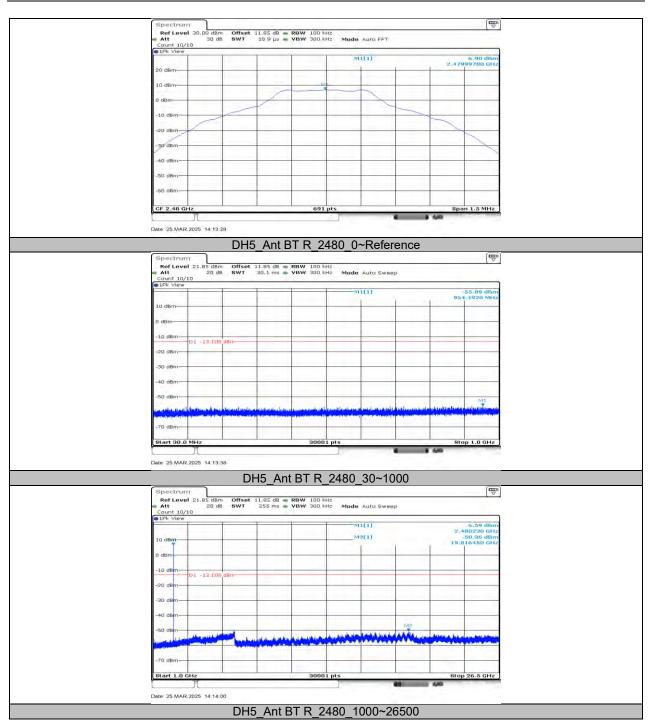
12.8.2. Test Graphs

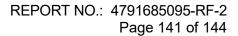




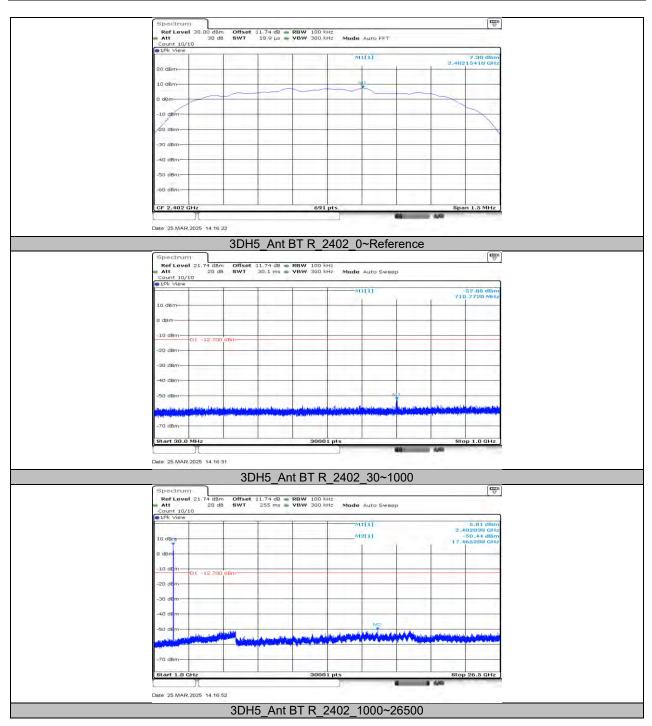


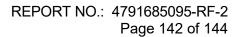




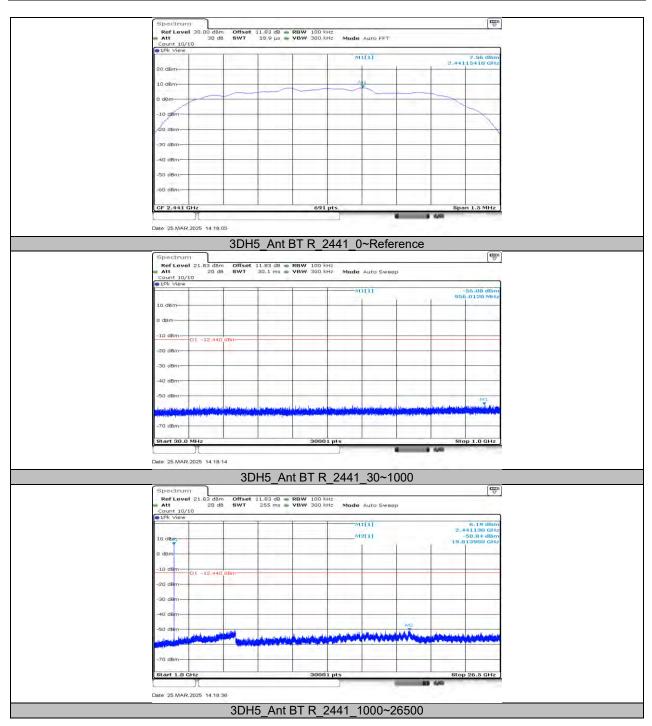


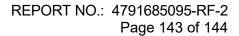




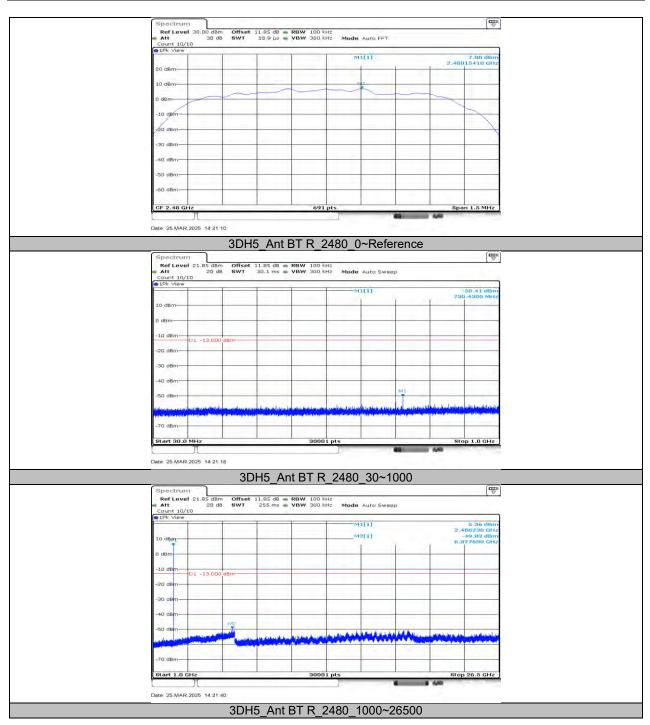












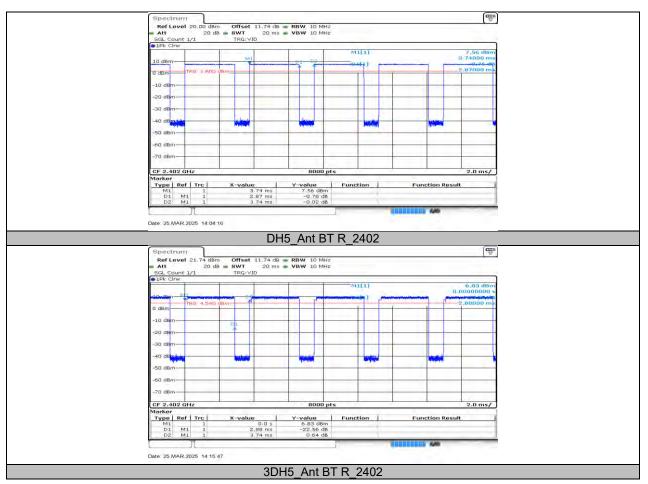


12.9. APPENDIX I2: DUTY CYCLE 12.9.1. Test Result

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	2.87	3.74	0.7674	76.74	1.15	0.35	1
3DH5	2.88	3.74	0.7701	77.01	1.13	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.



12.9.2. Test Graphs

END OF REPORT