

RADIO TEST REPORT FCC ID: 2ARRB-MBUDS135

Product: TRUE WIRELESS EARBUDS Trade Mark: Motorola Model No.: MOTO BUDS 135 Family Model: N/A Report No.: S23010500401001 Issue Date: Feb 02, 2023

Prepared for

Meizhou Guo Wei Electronics Co., Ltd

AD1 Section, Economic Development Area, Dongsheng Industrial District, Meizhou, Guangdong, China.

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd. 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen 518126 P.R. China Tel. 400-800-6106, 0755-2320 0050, 0755-2320 0090 Website: http://www.ntek.org.cn



I

TABLE OF CONTENTS

TED

1	TES	T RESULT CERTIFICATION	3
2	SUN	AMARY OF TEST RESULTS	4
3		CILITIES AND ACCREDITATIONS	
•			
	.1 .2	FACILITIES LABORATORY ACCREDITATIONS AND LISTINGS	
-	.2 .3	MEASUREMENT UNCERTAINTY	
4		NERAL DESCRIPTION OF EUT	
5		SCRIPTION OF TEST MODES	
6		UP OF EQUIPMENT UNDER TEST	
6	.1	BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM	. 9
	.2	SUPPORT EQUIPMENT.	
6	.3	EQUIPMENTS LIST FOR ALL TEST ITEMS	11
7	TES	ST REQUIREMENTS	13
7	.1	CONDUCTED EMISSIONS TEST	13
	.2	RADIATED SPURIOUS EMISSION	
	.3	NUMBER OF HOPPING CHANNEL	
	.4	HOPPING CHANNEL SEPARATION MEASUREMENT	30
	.5	AVERAGE TIME OF OCCUPANCY (DWELL TIME)	
	.6	20DB BANDWIDTH TEST	
	.7	PEAK OUTPUT POWER	
	.8	CONDUCTED BAND EDGE MEASUREMENT	
	.9	SPURIOUS RF CONDUCTED EMISSION	
	.10	ANTENNA APPLICATION	
	.11	FREQUENCY HOPPING SYSTEM (FHSS) EQUIPMENT REQUIREMENTS	
8	TES	ST RESULTS	39
8	.1	LEFT	
8	.2	RIGHT	81



1 TEST RESULT CERTIFICATION

Applicant's name:	Meizhou Guo Wei Electronics Co., Ltd
Address:	AD1 Section, Economic Development Area, Dongsheng Industrial District, Meizhou, Guangdong, China.
Manufacturer's Name:	Meizhou Guo Wei Electronics Co., Ltd
Address:	AD1 Section, Economic Development Area, Dongsheng Industrial District, Meizhou, Guangdong, China.
Product description	
Product name:	TRUE WIRELESS EARBUDS
Model and/or type reference:	MOTO BUDS 135
Family Model:	N/A
Test Sample Number	S230105004008

Measurement Procedure Used:

APPLICABLE STANDARDS			
STANDARD/ TEST PROCEDURE	TEST RESULT		
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart C ANSI C63.10-2013	Complied		
This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the tes results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is			

_ . . . _ . _

applicable only to the tested sample identified in the report. This report shall not be reproduced except in full, without the written approval of Shenzhen NTEK Testing Technology Co., Ltd., this document may be altered or revised by Shenzhen NTEK Testing Technology Co., Ltd., personnel only, and shall be noted in the revision of the document.

The test results of this report relate only to the tested sample identified in this report.

Date of Test	:	Jan 05, 2023 ~ Feb 02, 2023
Testing Engineer	:	Muhri Lee
		(Mukzi Lee)
Authorized Signatory		Alex
Autionzed Oignatory	·	(Alex Li)



FCC Part15 (15.247), Subpart C				
Standard Section	Test Item	Verdict	Remark	
15.207	Conducted Emission	PASS		
15.209 (a) 15.205 (a)	Radiated Spurious Emission	PASS		
15.247(a)(1)	Hopping Channel Separation	PASS		
15.247(b)(1)	Peak Output Power	PASS		
15.247(a)(iii)	Number of Hopping Frequency	PASS		
15.247(a)(iii)	Dwell Time	PASS		
15.247(a)(1)	Bandwidth	PASS		
15.247 (d)	Band Edge Emission	PASS		
15.247 (d)	Spurious RF Conducted Emission	PASS		
15.203	Antenna Requirement	PASS		

Remark:

 "N/A" denotes test is not applicable in this Test Report.
 All test items were verified and recorded according to the standards and without any deviation during the test.



3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description	
CNAS-Lab.	: The Certificate Registration Number is L5516.
IC-Registration	The Certificate Registration Number is 9270A.
	CAB identifier:CN0074
FCC- Accredited	Test Firm Registration Number: 463705.
	Designation Number: CN1184
A2LA-Lab.	The Certificate Registration Number is 4298.01
	This laboratory is accredited in accordance with the recognized
	International Standard ISO/IEC 17025:2005 General requirements for
	the competence of testing and calibration laboratories.
	This accreditation demonstrates technical competence for a defined
	scope and the operation of a laboratory quality management system
	(refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).
Name of Firm	: Shenzhen NTEK Testing Technology Co., Ltd.
Site Location	: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang
	Street, Bao'an District, Shenzhen 518126 P.R. China.

3.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y\pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	±2.80dB
2	RF power, conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	All emissions, radiated(30MHz~1GHz)	±2.64dB
5	All emissions, radiated(1GHz~6GHz)	±2.40dB
6	All emissions, radiated(>6GHz)	±2.52dB
7	Temperature	±0.5°C
8	Humidity	±2%
9	All emissions, radiated(9KHz~30MHz)	±6dB



4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification				
Equipment	TRUE WIRELESS EARBUDS			
Trade Mark	Motorola			
FCC ID	2ARRB- MBUDS135			
Model No.	MOTO BUDS 135			
Family Model	N/A			
Model Difference	N/A			
Operating Frequency	2402MHz~2480MHz			
Modulation	GFSK, π/4-DQPSK			
Number of Channels	79 Channels			
Antenna Type	Chip Antenna			
Antenna Gain	2.0 dBi			
Adapter	N/A			
Battery	Earphone: DC 3.7V, 45mAh Charging case: DC 3.7V, 315mAh			
Rating	Earphone: DC 3.7V from Battery or DC 5V form Charging case. Charging case: DC 3.7V from Battery or DC 5V from type-C port.			
Hardware version	V1.0			
Firmware version	V1.27			
Software version	V1.45			

Note 1: Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.

Note 2: The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.



	Re	Revision History			
Report No. Version Description Issued Date					
S23010500401001	Rev.01	Initial issue of report	Feb 02, 2023		
	· · ·				

ACCRED

Certificate #4298.01

ED



5 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively. The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on

this report.

Those data rates (1Mbps for GFSK modulation; 2Mbps for π /4-DQPSK modulation) were used for all test. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

Carrier Frequency and Channel list:

Channel	Frequency(MHz)
0	2402
1	2403
39	2441
40	2442
77	2479
78	2480

Note: fc=2402MHz+k×1MHz k=0 to 78

The following summary table is showing all test modes to demonstrate in compliance with the standard.

For AC Conducted Emission				
Final Test Mode Description				
Mode 1 normal link mode				
Note AO as welling Open Lated Exclusion and tests to demonstrate and the tax and				

Note: AC power line Conducted Emission was tested under maximum output power.

For Radiated Test Cases			
Final Test Mode	Description		
Mode 1	normal link mode		
Mode 2	CH00(2402MHz)		
Mode 3	CH39(2441MHz)		
Mode 4	CH78(2480MHz)		

Note: For radiated test cases, the worst mode data rate 2Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

	For Conducted Test Cases			
Final Test Mode	Description			
Mode 2	CH00(2402MHz)			
Mode 3	CH39(2441MHz)			
Mode 4	CH78(2480MHz)			
Mode 5	Hopping mode			

Note: The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.



	ate #4298.01
6 SETUP OF EQUIPMENT UNDER TE 6.1 BLOCK DIAGRAM CONFIGURATION OF TE For AC Conducted Emission Mode	
E-1.2 EUT C-1 E-1.1 EUT	AC PLUG E-2 Adapter
For Radiated Test Cases	
EUT	
For Conducted Test Cases	
Measurement Instrument EUT	
Note: 1. The temporary antenna connector is solde and this temporary antenna connector is listed in t 2. EUT built-in battery-powered, the battery i	



6.2 SUPPORT EQUIPMENT

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Model/Type No.	Series No.	Note	
E-1.1	TRUE WIRELESS	MOTO BUDS	N/A	EUT	
E-1.1	EARBUDS (Earphone)	135	IN/A	EUT	
E-1.2	TRUE WIRELESS EARBUDS (Charging case)	MOTO BUDS 135	N/A	EUT	
E-2	Adapter	N/A	N/A	Peripherals	

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	Type-C Cable	NO	NO	1.0m
C-2	RF Cable	YES	NO	0.1m

Notes:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in [Length] column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".



6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

Vaulatio		estequipment					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2022.04.01	2023.03.31	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2022.04.01	2023.03.31	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2022.06.16	2023.06.15	1 year
4	Test Receiver	R&S	ESPI7	101318	2022.04.06	2023.04.05	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2022.03.30	2023.03.29	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2022.03.31	2023.03.30	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2022.11.07	2023.11.06	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2022.06.17	2023.06.16	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2022.11.04	2023.11.03	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2022.06.16	2023.06.15	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2022.06.17	2025.06.16	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2022.06.17	2025.06.16	3 year
15	Filter	TRILTHIC	2400MHz	29	2020.04.07	2023.04.06	3 year
16	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

ACCREDITED Certificate #4298.01

Note:

We will use the temporary antenna connector (soldered on the PCB board) When conducted test And this temporary antenna connector is listed within the instrument list



AC Co	AC Conduction Test equipment						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2022.04.06	2023.04.05	1 year
2	LISN	R&S	ENV216	101313	2022.04.06	2023.04.05	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2022.04.06	2023.04.05	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Čable (9KHz-30MH z)	N/A	C03	N/A	2020.05.11	2023.05.10	3 year

Note: Each piece of equipment is scheduled for calibration once a year except the Aux Equipment & Test Cable which is scheduled for calibration every 2 or 3 years.

7 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a)

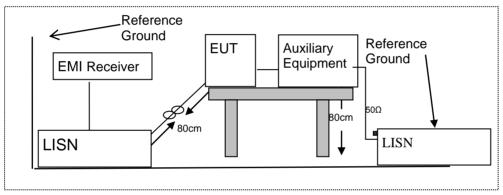
7.1.2 Conformance Limit

	Conducted Emission Limit		
Frequency(MHz)	Quasi-peak	Average	
0.15-0.5	66-56*	56-46*	
0.5-5.0	56	46	
5.0-30.0	60	50	

Note: 1. *Decreases with the logarithm of the frequency

- 2. The lower limit shall apply at the transition frequencies
 - 3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

7.1.3 Test Configuration



7.1.4 Test Procedure

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
- 2. The EUT was placed on a table which is 0.8m above ground plane.
- 3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- 4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
- 5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 6. LISN at least 80 cm from nearest part of EUT chassis.
- 7. The frequency range from 150KHz to 30MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
- 9. For the actual test configuration, please refer to the related Item -EUT Test Photos.

7.1.5 Test Results

Pass



7.1.6 Test Results

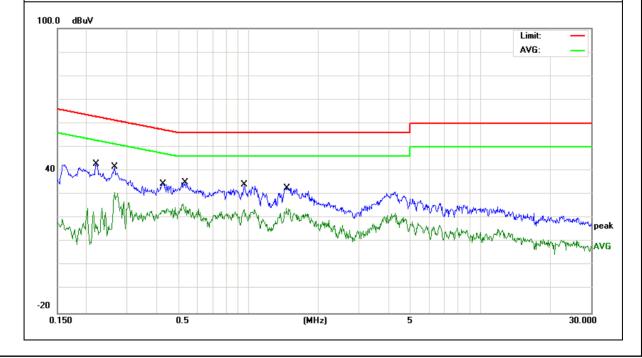
EUT:	TRUE WIRELESS EARBUDS	Model Name :	MOTO BUDS 135
Temperature:	22 ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

					1	-
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.2195	33.09	9.62	42.71	62.83	-20.12	QP
0.2195	6.11	9.62	15.73	52.83	-37.10	AVG
0.2644	32.01	9.63	41.64	61.29	-19.65	QP
0.2644	21.09	9.63	30.72	51.29	-20.57	AVG
0.4299	24.81	9.66	34.47	57.25	-22.78	QP
0.4299	13.29	9.66	22.95	47.25	-24.30	AVG
0.5340	25.32	9.66	34.98	56.00	-21.02	QP
0.5340	12.34	9.66	22.00	46.00	-24.00	AVG
0.9616	24.38	9.68	34.06	56.00	-21.94	QP
0.9616	14.01	9.68	23.69	46.00	-22.31	AVG
1.4697	23.10	9.67	32.77	56.00	-23.23	QP
1.4697	12.08	9.67	21.75	46.00	-24.25	AVG

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.





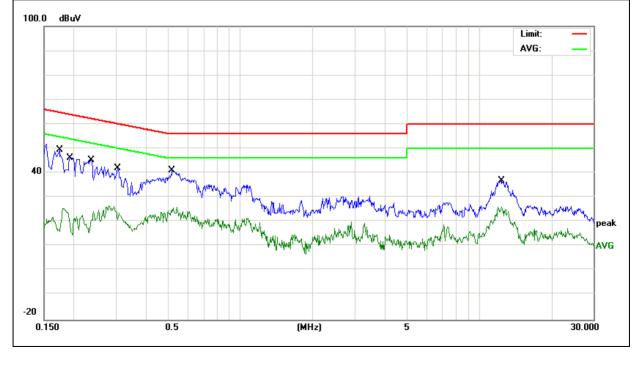
EUT:	TRUE WIRELESS EARBUDS	Model Name :	MOTO BUDS 135
Temperature:	25 ℃	Relative Humidity:	62%
Pressure:	1010hPa	Phase :	Ν
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demerle
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1737	39.74	9.65	49.39	64.78	-15.39	QP
0.1737	6.50	9.65	16.15	54.78	-38.63	AVG
0.1922	36.57	9.63	46.20	63.94	-17.74	QP
0.1922	9.14	9.63	18.77	53.94	-35.17	AVG
0.2363	35.70	9.62	45.32	62.22	-16.90	QP
0.2363	11.03	9.62	20.65	52.22	-31.57	AVG
0.3034	32.27	9.64	41.91	60.15	-18.24	QP
0.3034	12.33	9.64	21.97	50.15	-28.18	AVG
0.5180	31.42	9.66	41.08	56.00	-14.92	QP
0.5180	14.40	9.66	24.06	46.00	-21.94	AVG
12.4138	26.83	9.97	36.80	60.00	-23.20	QP
12.4138	15.85	9.97	25.82	50.00	-24.18	AVG

Remark:

1. All readings are Quasi-Peak and Average values.

2. Factor = Insertion Loss + Cable Loss.





7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and ANSI C63.10-2013

7.2.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). According to FCC Part15.205, Restricted bands

According to 1 CC Fart13.20			
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
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	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			

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Restricted Frequency(MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)	Measurement Distance
0.009~0.490	2400/F(KHz)	20 log (uV/m)	300
0.490~1.705	24000/F(KHz)	20 log (uV/m)	30
1.705~30.0	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Limits of Radiated Emission Measurement(Above 1000MHz)

Frequency(MHz)	Class B (dBuV/m) (at 3M)					
	PEAK	AVERAGE				
Above 1000	74	54				

Remark :1. Emission level in dBuV/m=20 log (uV/m)

Measurement was performed at an antenna to the closed point of EUT distance of meters.
 For Frequency 9kHz~30MHz:

Distance extrapolation factor =40log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

For Frequency above 30MHz:

Distance extrapolation factor =20log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

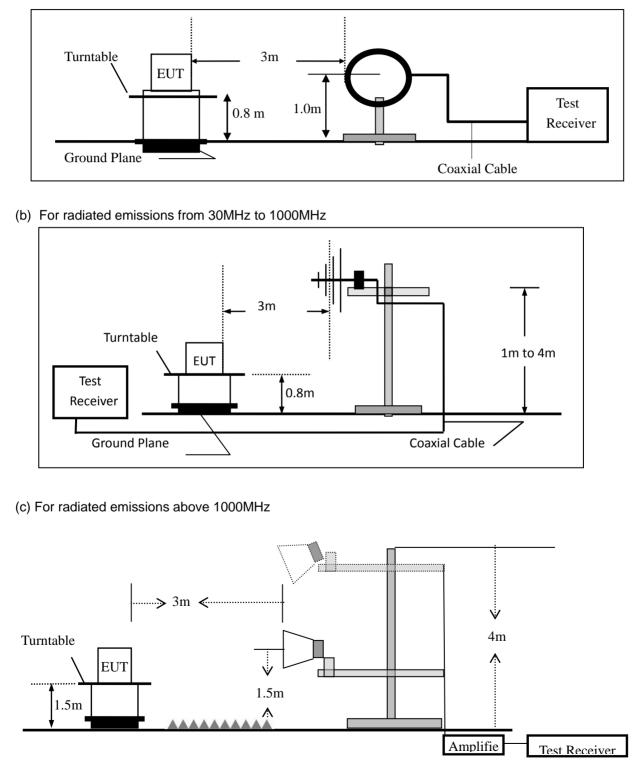


7.2.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.2.4 Test Configuration

(a) For radiated emissions below 30MHz





7.2.5 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

	-
Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 1 MHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- e. 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.
- f. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- g. For the actual test configuration, please refer to the related Item –EUT Test Photos.
 - Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported



During the radiated emission test, the Spectrum Analyzer was set with the following configurations:										
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth							
30 to 1000 QP		120 kHz	300 kHz							
Ab aug 1000	Peak		1 MHz							
Above 1000	Average	1 MHz	1 MHz							

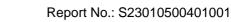
Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10*lg(100 [kHz]/narrower RBW [kHz]). , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

7.2.6 Test Results

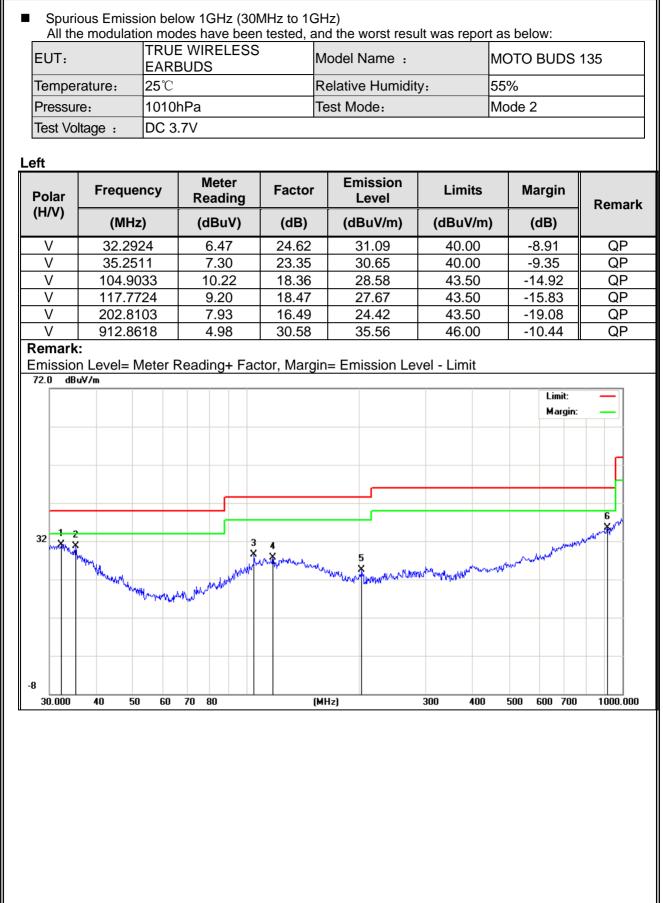
Spurious Emission below 30MHz (9KHz to 30MHz)										
EUT:	TRUE WIRELESS EARBUDS	Model No.:	MOTO BUDS 135							
Temperature:	20 ℃	Relative Humidity:	48%							
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee							

Freq.	Ant.Pol.	Emission Level(dBuV/m)		Limit 3	m(dBuV/m)	Over(dB)		
(MHz)	H/V	PK	AV	PK	AV	PK	AV	

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









Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	30.5304	6.11	25.87	31.98	40.00	-8.02	QP
Н	32.6340	6.06	24.55	30.61	40.00	-9.39	QP
Н	34.7601	4.74	23.49	28.23	40.00	-11.77	QP
Н	115.7256	9.52	18.57	28.09	43.50	-15.41	QP
Н	123.2655	9.17	18.85	28.02	43.50	-15.48	QP
Н	952.0937	6.67	30.86	37.53	46.00	-8.47	QP
						Margin:	
						Limit: Margin:	
32 X X 3		A Sand Market	4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	relation of the part of the second of the			
-8	40 50 60	70 80	(MH		300 400 5	500 600 700	1000.000



Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	31.1798	4.60	25.66	30.26	40.00	-9.74	QP
V	35.2511	4.80	23.35	28.15	40.00	-11.85	QP
V	121.9753	11.69	18.55	30.24	43.50	-13.26	QP
V	131.7572	11.63	18.60	30.23	43.50	-13.27	QP
V	836.2441	4.84	29.79	34.63	46.00	-11.37	QP
V	912.8618	5.48	30.58	36.06	46.00	-9.94	QP
						Margin:	
32 i	2		34 XX				5
Service 1	and the second	and the second second		Long way have weller when	terner Marine and Alexandre	hornwall we r	



Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	30.5304	6.11	25.87	31.98	40.00	-8.02	QP
Н	32.6340	6.06	24.55	30.61	40.00	-9.39	QP
Н	34.7601	5.74	23.49	29.23	40.00	-10.77	QP
Н	143.3257	9.79	18.47	28.26	43.50	-15.24	QP
Н	151.0663	9.66	18.71	28.37	43.50	-15.13	QP
Н	952.0937	5.67	30.86	36.53	46.00	-9.47	QP
	n Level= Meter dBu¥/m	Reading+ Fac	ctor, Margin	= Emission Le	evel - Limit	Limit:	
32 ¹⁻²	3 3 10 10 10 10 10 10 10 10 10 10 10 10 10	And the second sec	45 		and and a second a	Margin: Margin:	
-8	0 40 50 60	70 80	(MH	z)	300 400 50	0 600 700	1000.000



Spurious Emission Above 1GHz (1GHz to 25GHz)												
EUT:	TRI	JE WIRE	LESS EAF	RBUDS	Model N	No.:	МОТО	BUDS 13	5			
Temperature: 20 °C Relative Humidity: 48%												
Test Mode:		de2/Mode	e3/Mode4		Test By		Mukzi L	66				
	-			ed and the	,							
	All the modulation modes have been tested, and the worst result was report as below:											
Left												
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Remark	Comment			
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)					
		L	ow Channel	(2402 MHz	z)(π/4-DQPS	SK)Above 1	G					
4804	68.81	5.21	35.59	44.30	65.31	74.00	-8.69	Pk	Vertical			
4804	45.11	5.21	35.59	44.30	41.61	54.00	-12.39	AV	Vertical			
7206	70.99	6.48	36.27	44.60	69.14	74.00	-4.86	Pk	Vertical			
7206	49.05	6.48	36.27	44.60	47.20	54.00	-6.80	AV	Vertical			
4804	69.66	5.21	35.55	44.30	66.12	74.00	-7.88	Pk	Horizontal			
4804	48.68	5.21	35.55	44.30	45.14	54.00	-8.86	AV	Horizontal			
7206	68.88	6.48	36.27	44.52	67.11	74.00	-6.89	Pk	Horizontal			
7206	46.22	6.48	36.27	44.52	44.45	54.00	-9.55	AV	Horizontal			
		Ν	/lid Channel	(2441 MHz	z)(π/4-DQPS	K)Above 10	G					
4882	70.57	5.21	35.66	44.20	67.24	74.00	-6.76	Pk	Vertical			
4882	50.72	5.21	35.66	44.20	47.39	54.00	-6.61	AV	Vertical			
7323	69.14	7.10	36.50	44.43	68.31	74.00	-5.69	Pk	Vertical			
7323	50.91	7.10	36.50	44.43	50.08	54.00	-3.92	AV	Vertical			
4882	70.29	5.21	35.66	44.20	66.96	74.00	-7.04	Pk	Horizontal			
4882	49.47	5.21	35.66	44.20	46.14	54.00	-7.86	AV	Horizontal			
7323	70.76	7.10	36.50	44.43	69.93	74.00	-4.07	Pk	Horizontal			
7323	50.42	7.10	36.50	44.43	49.59	54.00	-4.41	AV	Horizontal			
		1	-	-	<u>z)(</u> π/4-DQPS	SK) Above 1	G	1				
4960	69.1	5.21	35.52	44.21	65.62	74.00	-8.38	Pk	Vertical			
4960	48.35	5.21	35.52	44.21	44.87	54.00	-9.13	AV	Vertical			
7440	70.26	7.10	36.53	44.60	69.29	74.00	-4.71	Pk	Vertical			
7440	46.45	7.10	36.53	44.60	45.48	54.00	-8.52	AV	Vertical			
4960	68.79	5.21	35.52	44.21	65.31	74.00	-8.69	Pk	Horizontal			
4960	50.81	5.21	35.52	44.21	47.33	54.00	-6.67	AV	Horizontal			
7440	69	7.10	36.53	44.60	68.03	74.00	-5.97	Pk	Horizontal			
7440	49.15	7.10	36.53	44.60	48.18	54.00	-5.82	AV	Horizontal			



Right									
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Remark	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)		
	Low Channel (2402 MHz)(π/4-DQPSK)Above 1G								
4804	68.81	5.21	35.59	44.30	65.31	74.00	-8.69	Pk	Vertical
4804	45.11	5.21	35.59	44.30	41.61	54.00	-12.39	AV	Vertical
7206	70.99	6.48	36.27	44.60	69.14	74.00	-4.86	Pk	Vertical
7206	49.05	6.48	36.27	44.60	47.20	54.00	-6.80	AV	Vertical
4804	69.66	5.21	35.55	44.30	66.12	74.00	-7.88	Pk	Horizontal
4804	48.68	5.21	35.55	44.30	45.14	54.00	-8.86	AV	Horizontal
7206	68.88	6.48	36.27	44.52	67.11	74.00	-6.89	Pk	Horizontal
7206	46.22	6.48	36.27	44.52	44.45	54.00	-9.55	AV	Horizontal
		Ν	lid Channel	(2441 MHz	:)(π/4-DQPS	K)Above 1	G		
4882	70.57	5.21	35.66	44.20	67.24	74.00	-6.76	Pk	Vertical
4882	50.72	5.21	35.66	44.20	47.39	54.00	-6.61	AV	Vertical
7323	69.14	7.10	36.50	44.43	68.31	74.00	-5.69	Pk	Vertical
7323	50.91	7.10	36.50	44.43	50.08	54.00	-3.92	AV	Vertical
4882	70.29	5.21	35.66	44.20	66.96	74.00	-7.04	Pk	Horizontal
4882	49.47	5.21	35.66	44.20	46.14	54.00	-7.86	AV	Horizontal
7323	70.76	7.10	36.50	44.43	69.93	74.00	-4.07	Pk	Horizontal
7323	50.42	7.10	36.50	44.43	49.59	54.00	-4.41	AV	Horizontal
		Hi	igh Channel	(2480 MHz	z)(π/4-DQPS	SK) Above ?	1G	-	-
4960	69.1	5.21	35.52	44.21	65.62	74.00	-8.38	Pk	Vertical
4960	48.35	5.21	35.52	44.21	44.87	54.00	-9.13	AV	Vertical
7440	70.26	7.10	36.53	44.60	69.29	74.00	-4.71	Pk	Vertical
7440	46.45	7.10	36.53	44.60	45.48	54.00	-8.52	AV	Vertical
4960	68.79	5.21	35.52	44.21	65.31	74.00	-8.69	Pk	Horizontal
4960	50.81	5.21	35.52	44.21	47.33	54.00	-6.67	AV	Horizontal
7440	69	7.10	36.53	44.60	68.03	74.00	-5.97	Pk	Horizontal
7440	49.15	7.10	36.53	44.60	48.18	54.00	-5.82	AV	Horizontal

Note:

(1) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor (2)All other emissions more than 20dB below the limit.



	Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz										
EUT:					Mode	I No.:		MOT	O BUDS	135	
Temperature:	20 ℃				Relati	Relative Humidity: 48%					
Test Mode:	Mode2/ M	ode4		-	Test I	Зу:		Mukz	i Lee		
All the modul	Il the modulation modes have been tested, and the worst result was report as below:										
Left											
	Motor Cable Antonna Preamp Emission										
Frequency	Reading	Loss	Factor		ctor	Level	Lin	nits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(d	IB)	(dBµV/m)	(dBµ	ıV/m)	(dB)	Туре	
	-		2Mb	ps(π/	4-DQ	PSK)-Non-ho	opping	9			
2310.00	68.51	2.97	27.80	43	.80	55.48	7	'4	-18.52	Pk	Horizontal
2310.00	50.6	2.97	27.80	43	.80	37.57	5	64	-16.43	AV	Horizontal
2310.00	70.24	2.97	27.80	43	.80	57.21	7	'4	-16.79	Pk	Vertical
2310.00	50.93	2.97	27.80	43	.80	37.90	5	64	-16.10	AV	Vertical
2390.00	70.46	3.14	27.21	43	.80	57.01	7	'4	-16.99	Pk	Vertical
2390.00	47.51	3.14	27.21	43	.80	34.06	5	64	-19.94	AV	Vertical
2390.00	70.57	3.14	27.21	43	.80	57.12	7	'4	-16.88	Pk	Horizontal
2390.00	50.14	3.14	27.21	43	.80	36.69	5	64	-17.31	AV	Horizontal
2483.50	70.86	3.58	27.70	44	.00	58.14	7	'4	-15.86	Pk	Vertical
2483.50	47.63	3.58	27.70	44	.00	34.91	5	64	-19.09	AV	Vertical
2483.50	69.39	3.58	27.70	44	.00	56.67	7	'4	-17.33	Pk	Horizontal
2483.50	45.04	3.58	27.70	44	.00	32.32	5	64	-21.68	AV	Horizontal
			21	/bps((π/4-C	QPSK)-hop	oing				
2310.00	68.43	2.97	27.80	43	.80	55.40	7	'4	-18.60	Pk	Horizontal
2310.00	46.7	2.97	27.80	43	.80	33.67	5	64	-20.33	AV	Horizontal
2310.00	69.2	2.97	27.80	43	.80	56.17	7	'4	-17.83	Pk	Vertical
2310.00	48.73	2.97	27.80	43	.80	35.70	5	64	-18.30	AV	Vertical
2390.00	70.46	3.14	27.21	43	.80	57.01	7	'4	-16.99	Pk	Vertical
2390.00	50.92	3.14	27.21	43	.80	37.47	5	64	-16.53	AV	Vertical
2390.00	68.79	3.14	27.21	43	.80	55.34	7	'4	-18.66	Pk	Horizontal
2390.00	49.36	3.14	27.21	43	.80	35.91	5	4	-18.09	AV	Horizontal
2483.50	69.59	3.58	27.70	44	.00	56.87	7	'4	-17.13	Pk	Vertical
2483.50	48.85	3.58	27.70	44	.00	36.13	5	4	-17.87	AV	Vertical
2483.50	70.6	3.58	27.70	44	.00	57.88	7	'4	-16.12	Pk	Horizontal
2483.50	48.19	3.58	27.70	44	.00	35.47	5	64	-18.53	AV	Horizontal



Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	
	2Mbps(π/4-DQPSK)-Non-hopping								
2310.00	68.51	2.97	27.80	43.80	55.48	74	-18.52	Pk	Horizonta
2310.00	50.6	2.97	27.80	43.80	37.57	54	-16.43	AV	Horizonta
2310.00	70.24	2.97	27.80	43.80	57.21	74	-16.79	Pk	Vertical
2310.00	50.93	2.97	27.80	43.80	37.90	54	-16.10	AV	Vertical
2390.00	70.46	3.14	27.21	43.80	57.01	74	-16.99	Pk	Vertical
2390.00	47.51	3.14	27.21	43.80	34.06	54	-19.94	AV	Vertical
2390.00	70.57	3.14	27.21	43.80	57.12	74	-16.88	Pk	Horizonta
2390.00	50.14	3.14	27.21	43.80	36.69	54	-17.31	AV	Horizonta
2483.50	70.86	3.58	27.70	44.00	58.14	74	-15.86	Pk	Vertical
2483.50	47.63	3.58	27.70	44.00	34.91	54	-19.09	AV	Vertical
2483.50	69.39	3.58	27.70	44.00	56.67	74	-17.33	Pk	Horizonta
2483.50	45.04	3.58	27.70	44.00	32.32	54	-21.68	AV	Horizonta
			21	Abps(π/4-D	QPSK)-hop	ping			
2310.00	68.43	2.97	27.80	43.80	55.40	74	-18.60	Pk	Horizonta
2310.00	46.7	2.97	27.80	43.80	33.67	54	-20.33	AV	Horizonta
2310.00	69.2	2.97	27.80	43.80	56.17	74	-17.83	Pk	Vertical
2310.00	48.73	2.97	27.80	43.80	35.70	54	-18.30	AV	Vertical
2390.00	70.46	3.14	27.21	43.80	57.01	74	-16.99	Pk	Vertical
2390.00	50.92	3.14	27.21	43.80	37.47	54	-16.53	AV	Vertical
2390.00	68.79	3.14	27.21	43.80	55.34	74	-18.66	Pk	Horizonta
2390.00	49.36	3.14	27.21	43.80	35.91	54	-18.09	AV	Horizonta
2483.50	69.59	3.58	27.70	44.00	56.87	74	-17.13	Pk	Vertical
2483.50	48.85	3.58	27.70	44.00	36.13	54	-17.87	AV	Vertical
2483.50	70.6	3.58	27.70	44.00	57.88	74	-16.12	Pk	Horizonta
2483.50	48.19	3.58	27.70	44.00	35.47	54	-18.53	AV	Horizonta

Note: (1) All other emissions more than 20dB below the limit.

NTEK 北测[®]



EUT: TRUE WIRELESS EARBUDS		ESS	Model No.:		MOTO BUDS 135						
Temperature	: 20	°C			Relat	ive Humidity	/:	48%			
Test Mode:	Мо	de2/ Mod	e4		Test I	Зу:		Mukzi	Lee		
All the modu	lation mo	des have	been teste	ed, a	and the	e worst resu	ult wa	is repo	ort as belo	ow:	
Left											
Frequency	Reading Level	Cable Loss	Antenna Factor		eamp actor	Emission Level	Lir	mits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dB	JV/m)	(dB)	Туре	
3260	70.02	4.04	29.57	44	4.70	58.93	7	74	-15.07	Pk	Vertical
3260	46.97	4.04	29.57	44	4.70	35.88	Ę	54	-18.12	AV	Vertical
3260	69.67	4.04	29.57	44	4.70	58.58	7	74	-15.42	Pk	Horizontal
3260	49.41	4.04	29.57	44	4.70	38.32	ę	54	-15.68	AV	Horizontal
3332	68.15	4.26	29.87	44	4.40	57.88	7	74	-16.12	Pk	Vertical
3332	45.04	4.26	29.87	44	4.40	34.77	Ę	54	-19.23	AV	Vertical
3332	70.83	4.26	29.87	44	4.40	60.56	7	74	-13.44	Pk	Horizontal
3332	47.61	4.26	29.87	44	4.40	37.34	ę	54	-16.66	AV	Horizontal
17797	57.96	10.99	43.95	43	3.50	69.40	-	74	-4.60	Pk	Vertical
17797	34.89	10.99	43.95	43	3.50	46.33	Ę	54	-7.67	AV	Vertical
17788	59.99	11.81	43.69	44	4.60	70.89	-	74	-3.11	Pk	Horizontal
17788	38.86	11.81	43.69	44	1.60	49.76	ţ	54	-4.24	AV	Horizontal

Right

Frequency	Reading Level	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	
3260	70.02	4.04	29.57	44.70	58.93	74	-15.07	Pk	Vertical
3260	46.97	4.04	29.57	44.70	35.88	54	-18.12	AV	Vertical
3260	69.67	4.04	29.57	44.70	58.58	74	-15.42	Pk	Horizontal
3260	49.41	4.04	29.57	44.70	38.32	54	-15.68	AV	Horizontal
3332	68.15	4.26	29.87	44.40	57.88	74	-16.12	Pk	Vertical
3332	45.04	4.26	29.87	44.40	34.77	54	-19.23	AV	Vertical
3332	70.83	4.26	29.87	44.40	60.56	74	-13.44	Pk	Horizontal
3332	47.61	4.26	29.87	44.40	37.34	54	-16.66	AV	Horizontal
17797	57.96	10.99	43.95	43.50	69.40	74	-4.60	Pk	Vertical
17797	34.89	10.99	43.95	43.50	46.33	54	-7.67	AV	Vertical
17788	59.99	11.81	43.69	44.60	70.89	74	-3.11	Pk	Horizontal
17788	38.86	11.81	43.69	44.60	49.76	54	-4.24	AV	Horizontal

Note: (1) All other emissions more than 20dB below the limit.



7.3 NUMBER OF HOPPING CHANNEL

7.3.1 Applicable Standard

According to FCC Part 15.247(a)(1) (iii)and ANSI C63.10-2013

7.3.2 Conformance Limit

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

7.3.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.3

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT must have its hopping function enabled.

Use the following spectrum analyzer settings:

Span = the frequency band of operation

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.

 $VBW \ge RBW$

Sweep = auto

Detector function = peak

Trace = max hold

7.3.6 Test Results

EUT:	TRUE WIRELESS EARBUDS	Model No.:	MOTO BUDS 135
Temperature:	20 (Relative Humidity:	48%
Test Mode:	Mode 5(1Mbps)	Test By:	Mukzi Lee



7.4 HOPPING CHANNEL SEPARATION MEASUREMENT

7.4.1 Applicable Standard

According to FCC Part 15.247(a)(1) and ANSI C63.10-2013

7.4.2 Conformance Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5MHz band shall have hopping channel carrier frequencies that are separated by 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.

7.4.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.2

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

Span = Measurement Bandwidth or Channel Separation

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

Sweep = auto

Detector function = peak Trace = max hold

7.4.6 Test Results

	TRUE WIRELESS EARBUDS	Model No.:	MOTO BUDS 135 48% Mukzi Lee
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee

7.5 AVERAGE TIME OF OCCUPANCY (DWELL TIME)

7.5.1 Applicable Standard

According to FCC Part 15.247(a)(1)(iii) and ANSI C63.10-2013

7.5.2 Conformance Limit

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

7.5.3 Measuring Instruments

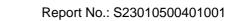
The Measuring equipment is listed in the section 6.3 of this test report.

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.4 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT must have its hopping function enabled. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel RBW \geq 1MHz VBW \geq RBW Sweep = as necessary to capture the entire dwell time per hopping channel Detector function = peak Trace = max hold Measure the maximum time duration of one single pulse. Set the EUT for DH5, DH3 and DH1 packet transmitting. Measure the maximum time duration of one single pulse.





7.5.6 Test Results

EUT:	TRUE WIRELESS EARBUDS	Model No.:	MOTO BUDS 135
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee

Test data reference attachment.

Note:

A Period Time = (channel number)*0.4 DH1 Dwell time: Reading * (1600/2)*31.6/(channel number) DH3 Dwell time: Reading * (1600/4)*31.6/(channel number) DH5 Dwell time: Reading * (1600/6)*31.6/(channel number)

For Example:

- 1. In normal mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels. With channel hopping rate (1600 / 6 / 79) in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600 / 6 / 79) \times (0.4 \times 79) = 106.67$ hops.
- In AFH mode, hopping rate is 800 hops/s with 6 slots in 20 hopping channels. With channel hopping rate (800 / 6 / 20) in Occupancy Time Limit (0.4 x 20) (s), Hops Over Occupancy Time comes to (800 / 6 / 20) x (0.4 x 20) = 53.33 hops.
- 3. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time



7.6 20DB BANDWIDTH TEST

7.6.1 Applicable Standard

According to FCC Part 15.247(a)(1) and ANSI C63.10-2013

7.6.2 Conformance Limit

No limit requirement.

7.6.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 6.9.2 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating in controlled its channel. Use the following spectrum analyzer settings: Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel RBW \geq 1% of the 20 dB bandwidth VBW \geq RBW Sweep = auto Detector function = peak Trace = max hold

7.6.6 Test Results

EUT:	TRUE WIRELESS EARBUDS	Model No.:	MOTO BUDS 135
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mukzi Lee



7.7 **PEAK OUTPUT POWER**

7.7.1 Applicable Standard

According to FCC Part 15.247(b)(1) and ANSI C63.10-2013

7.7.2 Conformance Limit

The maximum peak conducted output power of the intentional radiator shall not exceed the following: (1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts.

7.7.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.5.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT was operating in controlled its channel.

Use the following spectrum analyzer settings:

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

 $RBW \ge the 20 dB$ bandwidth of the emission being measured

 $VBW \ge RBW$

Sweep = auto

Detector function = peak Trace = max hold

7.7.6 Test Results

EUT:	TRUE WIRELESS EARBUDS	Model No.:	MOTO BUDS 135
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	48% Mukzi Lee



7.8 CONDUCTED BAND EDGE MEASUREMENT

7.8.1 Applicable Standard

According to FCC Part 15.247(d) and ANSI C63.10-2013

7.8.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Test Procedure

The testing follows ANSI C63.10-2013 clause 7.8.6.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously.

The EUT must have its hopping function enabled.

Use the following spectrum analyzer settings:

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

RBW = 100KHz

VBW = 300KHz

Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.

Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

Repeat above procedures until all measured frequencies were complete.

7.8.6 Test Results

EUT:	TRUE WIRELESS EARBUDS	Model No.:	MOTO BUDS 135
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2 /Mode4/ Mode 5	Test By:	Mukzi Lee



7.9 SPURIOUS RF CONDUCTED EMISSION

7.9.1 Applicable Standard

According to FCC Part 15.247(d) and ANSI C63.10-2013.

7.9.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.9.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.9.4 Test Setup

Please refer to Section 6.1 of this test report.

7.9.5 Test Procedure

Establish an emission level by using the following procedure:

a) Set the center frequency and span to encompass frequency range to be measured.

- b) Set the RBW = 100 kHz.
- c) Set the VBW \geq [3 × RBW].
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.

g) Allow trace to fully stabilize.

h) Use the peak marker function to determine the maximum amplitude level.

Then the limit shall be attenuated by at least 20 dB relative to the maximum amplitude level in 100 kHz.

7.9.6 Test Results

Remark: The measurement frequency range is from 30MHzHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.



7.10 ANTENNA APPLICATION

7.10.1 Antenna Requirement

15.203 requirement: For intentional device, according to 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.

7.10.2 Result

The EUT antenna is permanent attached Chip antenna (Gain:2.0 dBi). It comply with the standard requirement.



7.11 FREQUENCY HOPPING SYSTEM (FHSS) EQUIPMENT REQUIREMENTS 7.11.1 Standard Applicable

According to FCC Part 15.247(a)(1), The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals. (g) Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section. (h) The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

7.11.2 Frequency Hopping System

This transmitter device is frequency hopping device, and complies with FCC part 15.247 rule. This device uses Bluetooth radio which operates in 2400-2483.5 MHz band. Bluetooth uses a radio technology called frequency-hopping spread spectrum, which chops up the data being sent and transmits chunks of it on up to 79 bands (1 MHz each: centred from 2402 to 2480 MHz) in the range 2,400-2,483.5 MHz. The transmitter switches hop frequencies 1,600 times per second to assure a high degree of data security. All Bluetooth devices participating in a given piconet are synchronized to the frequency-hopping channel for the piconet. The frequency hopping sequence is determined by the master's device address and the phase of the hopping sequence (the frequency to hop at a specific time) is determined by the master's internal clock. Therefore, all slaves in a piconet must know the master's device address and must synchronize their clocks with the master's clock. Adaptive Frequency Hopping (AFH) was introduced in the Bluetooth specification to provide an effective way for a Bluetooth radio to counteract normal interference. AFH identifies "bad" channels, where either other wireless devices are interfering with the Bluetooth signal or the Bluetooth signal is interfering with another device. The AFH-enabled Bluetooth device will then communicate with other devices within its piconet to share details of any identified bad channels. The devices will then switch to alternative available "good" channels, away from the areas of interference, thus having no impact on the bandwidth used.

This device was tested with an bluetooth system receiver to check that the device maintained hopping synchronization, and the device complied with these requirements for FCC Part 15.247 rule.

7.11.3 EUT Pseudorandom Frequency Hopping Sequence

Pseudorandom Frequency Hopping Sequence Table as below: Channel: 08, 24, 40, 56, 40, 56, 72, 09, 01, 09, 33, 41, 33, 41, 65, 73, 53, 69, 06, 22, 04, 20, 36, 52, 38, 46, 70, 78, 68, 76, 21, 29, 10, 26, 42, 58, 44, 60, 76, 13, 03, 11, 35, 43, 37, 45, 69, 77, 55, 71, 08, 24, 08, 24, 40, 56, 40, 48, 72, 01, 72, 01, 25, 33, 12, 28, 44, 60, 42, 58, 74, 11, 05, 13, 37, 45 etc.

The system receiver have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.



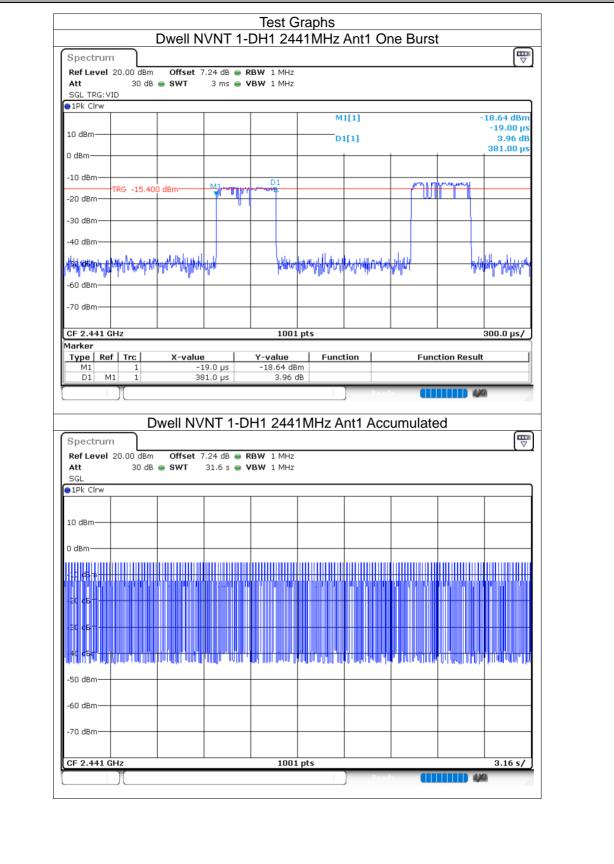
8 TEST RESULTS

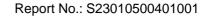
8.1 **Left**

8.1.1 **Dwell Time**

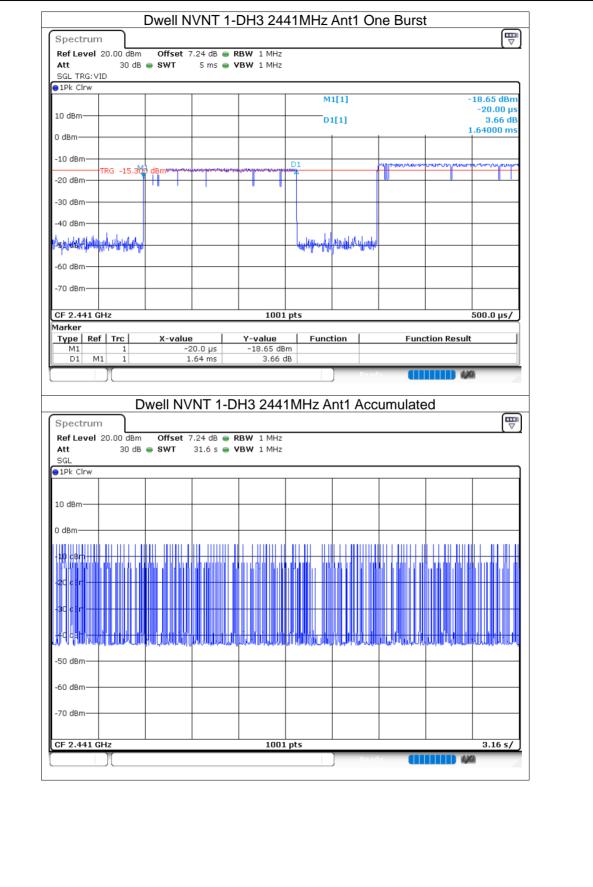
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.381	75.057	197	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.64	201.72	123	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.896	225.888	78	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.39	75.27	193	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.645	208.915	127	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.888	277.248	96	31600	400	Pass

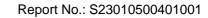






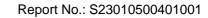




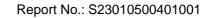




	/ID								
					м	1[1]		0.0	-5.88 dBm)0000000 s
10 dBm					D	1[1]			-5.40 dB 2.89600 ms
0 dBm	M1								
-10 dBm—									
-20 dBm—	-TRG -15.800) dBm							
-30 dBm—									
-40 dBm—									
reto aller the	(h)			n	www.	an the state of th	eylully Autom	Handrehand	whypersonally
-60 dBm					1			· ·	
-70 dBm—									
/o dom									
CF 2.441 Marker	GHz			1001	pts				800.0 µs/
Type Re		X-value		Y-value	Func	tion	Func	tion Result	
M1 D1 N	1		0.0 s	-5.88 dB -5.40 (
	41 1	2.8	396 ms	-5.40 (dB ∣				
	/1 1	2.8	396 ms	-5.40 (1B	Read	a		2
) Prod	umulate	ed	
Spectrur			/NT 1-D			nt1 Acc	umulate	ed	
Spectrur Ref Level	D 20.00 dBm	well NV	/NT 1-D 7.24 dB ● R	H5 244] Rood nt1 Acc	umulate	ed	
Spectrur Ref Level Att SGL	D 20.00 dBm	well NV	′NT 1-D	H5 244		nt1 Acc	umulate	ed and	
Spectrur Ref Level Att	D 20.00 dBm	well NV	/NT 1-D 7.24 dB ● R	H5 244		nt1 Acc	umulate	ed	
Spectrur Ref Level Att SGL	D 20.00 dBm	well NV	/NT 1-D 7.24 dB ● R	H5 244		nt1 Acc	umulate	ed	
Spectrur Ref Level Att SGL • 1Pk Clrw 10 dBm	D 20.00 dBm	well NV	/NT 1-D 7.24 dB ● R	H5 244		nt1 Acc	umulate	ed	
Spectrur Ref Level Att SGL Phy Clrw 10 dBm	D 20.00 dBm	well NV	/NT 1-D 7.24 dB ● R	H5 244		nt1 Acc	umulate	ed	
Spectrur Ref Level Att SGL • 1Pk Clrw 10 dBm	D 20.00 dBm	well NV	/NT 1-D 7.24 dB ● R	H5 244		nt1 Acc			
Spectrur Ref Level Att SGL Phy Clrw 10 dBm	D 20.00 dBm	well NV	/NT 1-D 7.24 dB ● R	H5 244		nt1 Acc			
Spectrur Ref Level Att SGL • 1Pk Clrw 10 dBm	D 20.00 dBm	Well NV Offset 7 • SWT	/NT 1-D 7.24 dB • R 31.6 s • V	H5 244		nt1 Acc			
Spectrur Ref Level Att SGL Phy Clrw 10 dBm	D 20.00 dBm	Well NV Offset 7 • SWT	/NT 1-D 7.24 dB • R 31.6 s • V	H5 244 BW 1 MHz BW 1 MHz		nt1 Acc			
Spectrur Ref Level Att SGL • 1Pk Clrw 10 dBm	D 20.00 dBm	Well NV Offset 7 • SWT	/NT 1-D 7.24 dB • R 31.6 s • V	H5 244 BW 1 MHz BW 1 MHz		nt1 Acc			
Spectrur Ref Level Att SGL • 1Pk Clrw 10 dBm	D 20.00 dBm	Well NV Offset 7 • SWT	/NT 1-D 7.24 dB • R 31.6 s • V	H5 244		nt1 Acc			
Spectrur Ref Level Att SGL 10 dBm -12 dBm -12 dBm -31 56m -31 56m -50 dBm	D 20.00 dBm	well NV Offset 7 • SWT	/NT 1-D 7.24 dB • R 31.6 s • V	H5 244		nt1 Acc			
Spectrur Ref Level Att SGL 1Pk Clrw 10 dBm -11 dBm -12 dBm -22 cBm -32 cBm -14 JEB -14 JEB	D 20.00 dBm	well NV Offset 7 • SWT	/NT 1-D 7.24 dB • R 31.6 s • V	H5 244					
Spectrur Ref Level Att SGL 10 dBm -12 dBm -12 dBm -31 56m -31 56m -50 dBm	D 20.00 dBm	well NV Offset 7 • SWT	/NT 1-D 7.24 dB • R 31.6 s • V	H5 244		nt1 Acc			
Spectrur Ref Level Att SGL 10 dBm -11 dBm -12 dBm -22 cBm -33 cBm -50 dBm -60 dBm		well NV Offset 7 • SWT	/NT 1-D 7.24 dB • R 31.6 s • V	H5 244					
Spectrur Ref Level Att SGL 10 dBm -12 dBm -12 dBm -31 26m -31 26m -50 dBm -60 dBm -70 dBm		well NV Offset 7 • SWT	/NT 1-D 7.24 dB • R 31.6 s • V	H5 244					3.16 s/

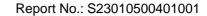


					M	1[1]			18.72 dBm
10 dBm						1[1]			-139.00 µs -3.15 dB
0 dBm							1		390.00 µs
-10 dBm—			kit and the	4					
-20 dBm	TRG -15.100) dBm M1	woodhardhar						
-30 dBm									
-40 dBm									
hz#Ngkphod	H daut 44g	Huphphalphal		- Weber Hall	And	all and a graph for the	aullaumpuhulla	hhut huhdested	http://www.http://www.ht
-60 dBm									
-70 dBm									
CF 2.441 G	Hz		1	100:	1 pts		1		300.0 µs/
	f Trc	X-value		Y-value	Func	tion	Fund	ction Result	:
M1 D1 M	1 1		39.0 µs 90.0 µs	-18.72 dE -3.15					
) Read	1×		n ///
			ח_2 TM'	H1 244		nt1 Acc	cumulate	h	
Spectrum					11011127		Junulau		□
opooran									
Ref Level	20.00 dBm		7.24 dB 😑 R	RBW 1 MHz					
Ref Level Att SGL		Offset 7 SWT	7.24 dB 👄 R 31.6 s 👄 V						
Att						1	1		
Att SGL									
Att SGL 1Pk Clrw 10 dBm-									
Att SGL 1Pk Clrw									
Att SGL 1Pk Clrw 10 dBm-									
Att SGL 1Pk Clrw 10 dBm-		• SWT	31.6 s • •	/BW 1 MHz					
Att SGL 1Pk Clrw 10 dBm-									
Att SGL 1Pk Clrw 10 dBm		• SWT	31.6 s • •	PBW 1 MHz		1000 Q. U.			
Att SGL 1Pk Clrw 10 dBm		• SWT	31.6 s • •	28W 1 MHz		1000 Q. U.			
Att SGL 1Pk Clrw 10 dBm 0 dBm -21 s6m -32 s6m -40 s6m		• SWT	31.6 s • •	28W 1 MHz		1000 Q. U.			
Att SGL 1Pk Clrw 10 dBm 0 dBm -21 56m -32 56m -40 56m -50 dBm -60 dBm		• SWT	31.6 s • •	28W 1 MHz		1000 Q. U.			
Att SGL 1Pk Clrw 10 dBm 0 dBm -21 s6m -32 s6m -40 s6m -40 s6m		• SWT	31.6 s • •	28W 1 MHz		1000 Q. U.			
Att SGL 1Pk Clrw 10 dBm 0 dBm -21 56m -32 56m -40 56m -50 dBm -60 dBm	30 dB	• SWT	31.6 s • •	28W 1 MHz		1000 Q. U.			3.16 s/

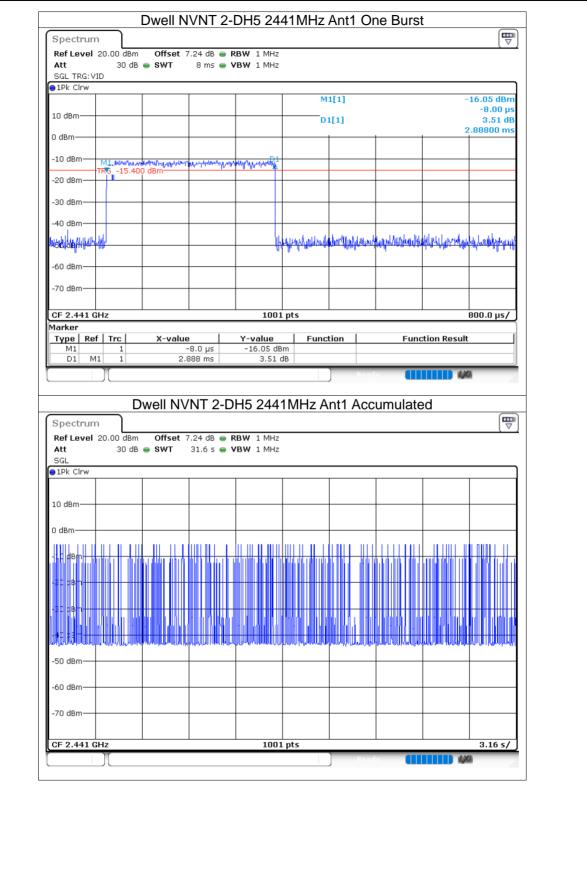


ACCREDITED Certificate #4298.01

SGL TRG: V		SWT		BW 1 MHz					
					M	1[1]		-	-18.54 dBm -100.00 µs
10 dBm					Di	1[1]			-3.27 dB 1.64500 ms
0 dBm									
-10 dBm	TRG -15,000) dem	har volution	aparter bally and	N1				
-30 dBm					4				
-30 ubin-									
N#qqqaari	44.44.66.co.66.etc				L.W. Landwick	a, Huy, yan an a	Koleken kerken kerke	Աստեսներ	all the part of the second second
-60 dBm	ա.լ դակո				the officience	an an all and and	, . It off released for	n fallos no su so	o alla and al
-70 dBm-									
CF 2.441 (Marker				1001					500.0 μs/
Type Re M1	1)0.0 µs	Y-value -18.54 dB		tion	Func	tion Result	t
D1 N	11 1	1.6	545 ms	-3.27 (3B	Read			4
	n 20.00 dBm	Offset 7	7.24 dB 👄 R		1MHz A	nt1 Acc	umulate	d	
	n 20.00 dBm			RBW 1 MHz	1MHz A	nt1 Acc	umulate	ed	
Ref Level Att SGL 1Pk Clrw	n 20.00 dBm	Offset 7	7.24 dB 👄 R	RBW 1 MHz	1MHz A	nt1 Acc	umulate	ed	
Ref Level Att SGL	n 20.00 dBm	Offset 7	7.24 dB 👄 R	RBW 1 MHz	1MHz A	nt1 Acc	umulate	ed	
Ref Level Att SGL 1Pk Clrw	n 20.00 dBm	Offset 7	7.24 dB 👄 R	RBW 1 MHz	1MHz A	nt1 Acc		ed	
Ref Level Att SGL 1Pk Cirw	n 20.00 dBm	Offset 7	7.24 dB 👄 R	RBW 1 MHz	1MHz A	nt1 Acc			
Ref Level Att SGL 1Pk Cirw	n 20.00 dBm	Offset 7	7.24 dB 👄 R	RBW 1 MHz	1MHz A	nt1 Acc			
Ref Level Att SGL 1Pk Cirw	n 20.00 dBm	Offset 7	7.24 dB 👄 R	RBW 1 MHz		nt1 Acc			
Ref Level Att SGL 1Pk Clrw 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	n 20.00 dBm 30 dB	Offset 7	7.24 dB	RBW 1 MHz /BW 1 MHz					
Ref Level Att SGL ● 1Pk Clrw 10 dBm - 10 dBm	n 20.00 dBm 30 dB	Offset 7	7.24 dB	RBW 1 MHz					
Ref Level Att SGL ● 1Pk Clrw 10 dBm - 10 dBm - 10 dBm - 20 dBm - 30 dBm - 50 dBm	n 20.00 dBm 30 dB	Offset 7	7.24 dB	RBW 1 MHz /BW 1 MHz					
Ref Level Att SGL ● 1Pk Clrw 10 dBm - 10 dBm	n 20.00 dBm 30 dB	Offset 7	7.24 dB	RBW 1 MHz /BW 1 MHz					
Ref Level Att SGL ● 1Pk Clrw 10 dBm - 10 dBm - 10 dBm - 20 dBm - 30 dBm - 50 dBm	n 20.00 dBm 30 dB	Offset 7	7.24 dB	RBW 1 MHz /BW 1 MHz					
Ref Level Att SGL ● 1Pk Clrw 10 dBm - 10 dBm - 10 dBm - 20 dBm - 30 dBm - 50 dBm - 60 dBm	n 20.00 dBm 30 dB	Offset 7	7.24 dB	RBW 1 MHz /BW 1 MHz					



VTEK	北测®	ACCREDITED Certificate #4298.01



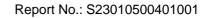


8.1.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-4.91	21	Pass
NVNT	1-DH5	2441	Ant1	-5.66	21	Pass
NVNT	1-DH5	2480	Ant1	-6.84	21	Pass
NVNT	2-DH5	2402	Ant1	-4.25	21	Pass
NVNT	2-DH5	2441	Ant1	-5	21	Pass
NVNT	2-DH5	2480	Ant1	-6.09	21	Pass

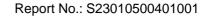


Spectrum								
Ref Level 20.00 dB Att 30 d SGL Count 100/100		.07 dB 曼 RB 1 ms 🖶 VB		Mode Aut	to Sweep			
1Pk Max				M	1[1]			-4.91 dBm
10 dBm					+		2.40	215480 GHz
0 dBm				MI				
				M1				
-10 dBm								
-20 dBm								
-30 dBm								
-40 dBm								
-50 dBm								ļ
-60 dBm								
-70 dBm								
CF 2.402 GHz			1001	pts			Sp	an 5.0 MHz
					Rea	dy un		
	Pr	wer N\/I	וח-1 TV	H5 244 [.]] Rea 1MH7 A	.nt1		
Spectrum	Pc	ower NVI	NT 1-DI	H5 244 [.]	1MHz A	.nt1		
Ref Level 20.00 dB Att 30 d	m Offset 7	.24 dB • RB 1 ms • VB	W 2 MHz			nt1		
Ref Level 20.00 dB Att 30 d SGL Count 100/100	m Offset 7	.24 dB 👄 RB	W 2 MHz	Mode Aut	to Sweep	nt1		
Ref Level 20.00 dB Att 30 d SGL Count 100/100 1Pk Max	m Offset 7	.24 dB 👄 RB	W 2 MHz	Mode Aut		nt1	2.44	-5.66 dBm 091010 GHz
Att 30 c	m Offset 7	.24 dB 👄 RB	W 2 MHz	Mode Aut	to Sweep	nt1	2.44	-5.66 dBm
Ref Level 20.00 dB Att 30 d SGL Count 100/100 1Pk Max	m Offset 7	.24 dB 👄 RB	W 2 MHz W 2 MHz MHz	Mode Aut	to Sweep	nt1	2.44	-5.66 dBm
Ref Level 20.00 dB Att 30 d SGL Count 100/100 1Pk Max 10 dBm 10 dBm	m Offset 7	.24 dB 👄 RB	W 2 MHz W 2 MHz	Mode Aut	to Sweep	nt1	2.44	-5.66 dBm
Ref Level 20.00 dB Att 30 d SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -10 dBm	m Offset 7	.24 dB 👄 RB	W 2 MHz W 2 MHz MHz	Mode Aut	to Sweep	nt1	2.44	-5.66 dBm
Ref Level 20.00 dB Att 30 d SGL Count 100/100 1Pk Max 10 dBm 0 dBm 0	m Offset 7	.24 dB 👄 RB	W 2 MHz W 2 MHz MHz	Mode Aut	to Sweep	nt1	2.44	-5.66 dBm
Ref Level 20.00 dB Att 30 d SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -10 dBm	m Offset 7	.24 dB 👄 RB	W 2 MHz W 2 MHz MHz	Mode Aut	to Sweep	nt1	2.44	-5.66 dBm
Ref Level 20.00 dB Att 30 d SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm	m Offset 7	.24 dB 👄 RB	W 2 MHz W 2 MHz MHz	Mode Aut	to Sweep	nt1	2.44	-5.66 dBm
Ref Level 20.00 dB Att 30 d SGL Count 100/100 IPk Max 10 dBm 10 dBm -0 dBm -10 dBm -30 dBm	m Offset 7	.24 dB 👄 RB	W 2 MHz W 2 MHz MHz	Mode Aut	to Sweep	nt1	2.44	-5.66 dBm
Ref Level 20.00 dB Att 30 d SGL Count 100/100 IPk Max 10 dBm 0 dBm -0 dBm -20 dBm -30 dBm -40 dBm -40 dBm	m Offset 7	.24 dB 👄 RB	W 2 MHz W 2 MHz MHz	Mode Aut	to Sweep	nt1	2.44	-5.66 dBm
Ref Level 20.00 dB Att 30 d SGL Count 100/100 IPk Max 10 dBm 0 0 dBm -0 -0 -10 dBm -0 -0 -20 dBm -30 dBm 0 -40 dBm 0 0	m Offset 7	.24 dB 👄 RB	W 2 MHz W 2 MHz MHz	Mode Aut	to Sweep	nt1	2.44	-5.66 dBm
Ref Level 20.00 dB Att 30 d SGL Court 100/100 IPk Max 10 dBm 10 dBm -0 dBm -20 dBm	m Offset 7	.24 dB 👄 RB	W 2 MHz 2 MHz MHz	Mode Aut	to Sweep	nt1		-5.66 dBm 091010 GHz
Ref Level 20.00 dB Att 30 d SGL Count 100/100 IPk Max 10 dBm 0 0 dBm -0 0 dBm -10 dBm -0 -0 -20 dBm -30 dBm -0 -50 dBm -60 dBm -0	m Offset 7	.24 dB 👄 RB	W 2 MHz W 2 MHz MHz	Mode Aut	to Sweep	nt1		-5.66 dBm 091010 GHz

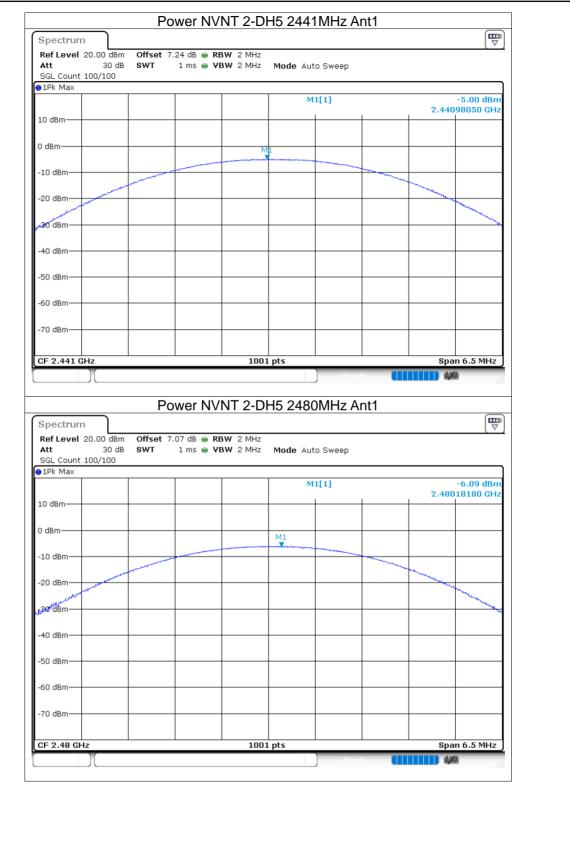




Att SGL Coun	l 20.00 dBm 30 dB t 100/100		7.07 dB 👄 RI 1 ms 👄 V	BW 2 MHz	Mode Au	uto Sweep			
⊜1Pk Max						M1[1]			-6.84 dBm
10 dBm							I	2.48	8017980 GHz
0 dBm					M1				
-10 dBm—									
-20 dBm—									
-30 dBm—									
-30 ubiii-									
-40 dBm—									
-50 dBm—									+
-60 dBm—			_						
70 db									
-70 dBm—									
CF 2.48 G	iHz			1001	l pts			Sp	an 5.0 MHz
						Read	v 🚺		
Spectru	m	Р	ower NV	'NT 2-DI	H5 240	2MHz A	nu		
Ref Level Att SGL Coun	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI			J2MHZ A			
Ref Level Att SGL Coun	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz	Mode Au				-4.25 dBm
Ref Level Att SGL Coun 1Pk Max	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz	Mode Au	uto Sweep		2.40	
Ref Level Att SGL Coun 1Pk Max 10 dBm-	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz	Mode Au	uto Sweep		2.40	-4.25 dBm
Ref Level Att SGL Coun 1Pk Max	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz	Mode Au	uto Sweep		2.40	-4.25 dBm
Ref Level Att SGL Coun 1Pk Max 10 dBm-	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz	Mode Au	uto Sweep		2.40	-4.25 dBm
Ref Level Att SGL Coun 1Pk Max	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz	Mode Au	uto Sweep		2.40	-4.25 dBm
Ref Level Att SGL Coun IN dBm 0 dBm -10 dBm -20 dBm -20 dBm	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz	Mode Au	uto Sweep		2.40	-4.25 dBm
Ref Level Att SGL Coun IN dBm 0 dBm -10 dBm -20 dBm -20 dBm	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz	Mode Au	uto Sweep		2.40	-4.25 dBm 1192860 GHz
Ref Level Att SGL Coun IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz	Mode Au	uto Sweep		2.40	-4.25 dBm 1192860 GHz
Ref Level Att SGL Coun SGL Coun ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz	Mode Au	uto Sweep		2.40	-4.25 dBm 1192860 GHz
Ref Level Att SGL Coun IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz	Mode Au	uto Sweep		2.40	-4.25 dBm 1192860 GHz
Ref Level Att SGL Coun SGL Coun ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	l 20.00 dBm 30 dB	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz	Mode Au	uto Sweep		2.40	-4.25 dBm 1192860 GHz
Ref Level Att SGL Coun IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -90 dBm -40 dBm -50 dBm -60 dBm	20.00 dBm 30 dB t 100/100	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz		uto Sweep			-4.25 dBm)192860 GHz
Ref Level Att SGL Coun IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -90 dBm -40 dBm -50 dBm -60 dBm	20.00 dBm 30 dB t 100/100	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz		uto Sweep		Sp	-4.25 dBm 1192860 GHz
Ref Level Att SGL Coun • IPk Max • IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	20.00 dBm 30 dB t 100/100	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz		uto Sweep		Sp	-4.25 dBm 1192860 GHz
Ref Level Att SGL Coun IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -90 dBm -40 dBm -50 dBm -60 dBm	20.00 dBm 30 dB t 100/100	Offset	7.07 dB 👄 RI	BW 2 MHz BW 2 MHz		uto Sweep		Sp	-4.25 dBm 1192860 GHz





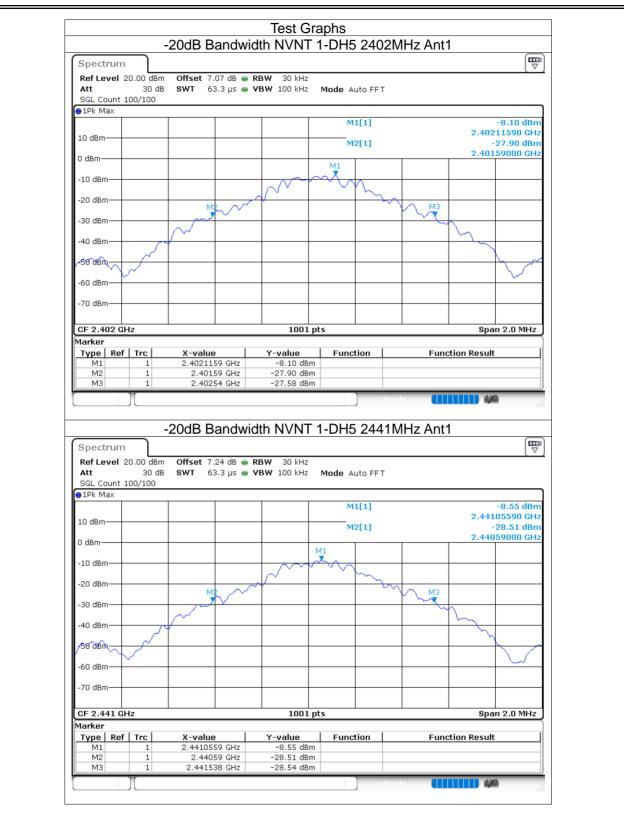


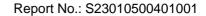


8.1.3 -20dB Bandwidth

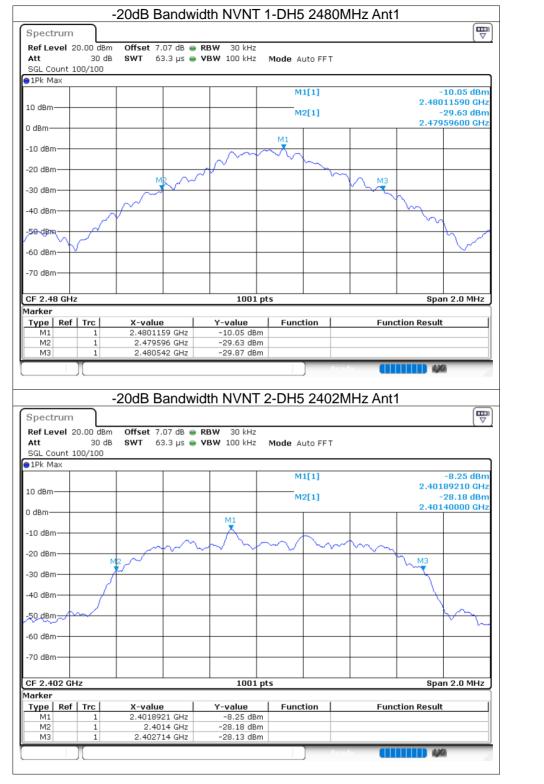
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.95	Pass
NVNT	1-DH5	2441	Ant1	0.948	Pass
NVNT	1-DH5	2480	Ant1	0.946	Pass
NVNT	2-DH5	2402	Ant1	1.314	Pass
NVNT	2-DH5	2441	Ant1	1.272	Pass
NVNT	2-DH5	2480	Ant1	1.316	Pass

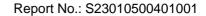




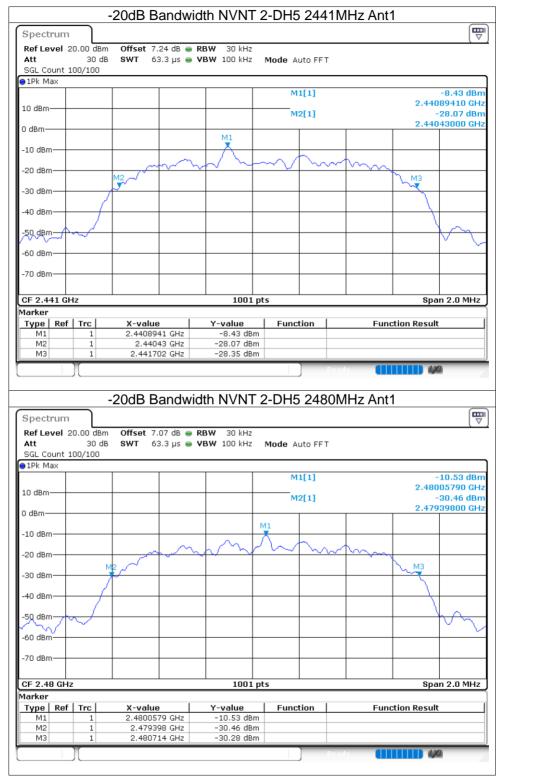










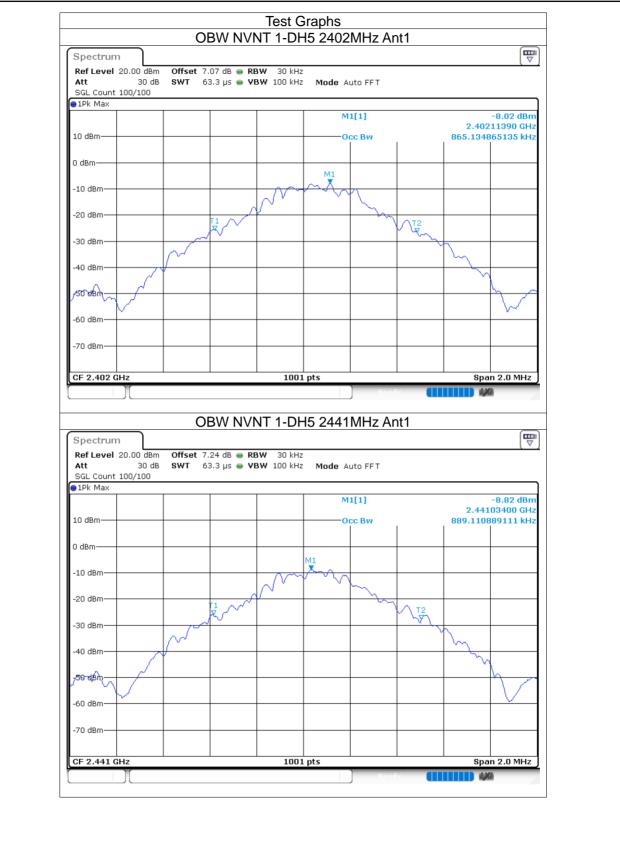




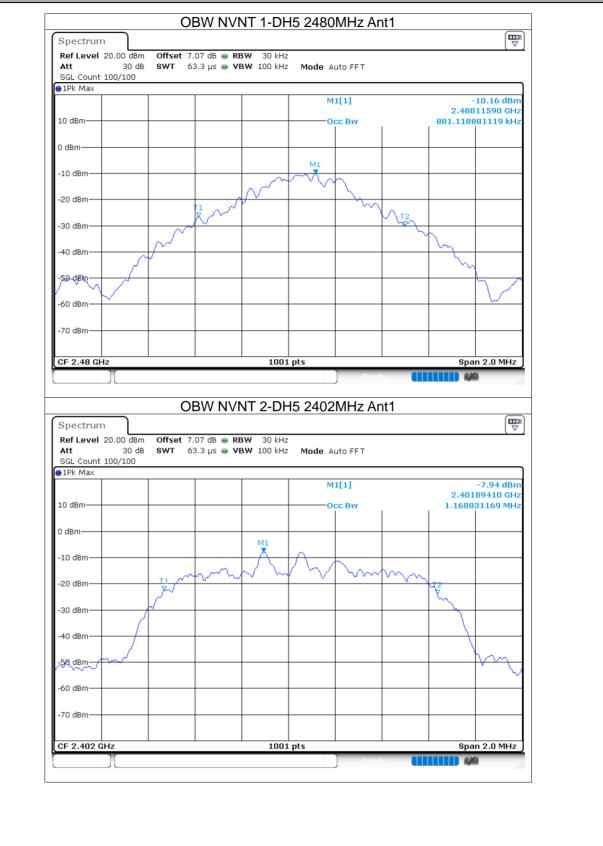
8.1.4 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.865
NVNT	1-DH5	2441	Ant1	0.889
NVNT	1-DH5	2480	Ant1	0.881
NVNT	2-DH5	2402	Ant1	1.169
NVNT	2-DH5	2441	Ant1	1.181
NVNT	2-DH5	2480	Ant1	1.187

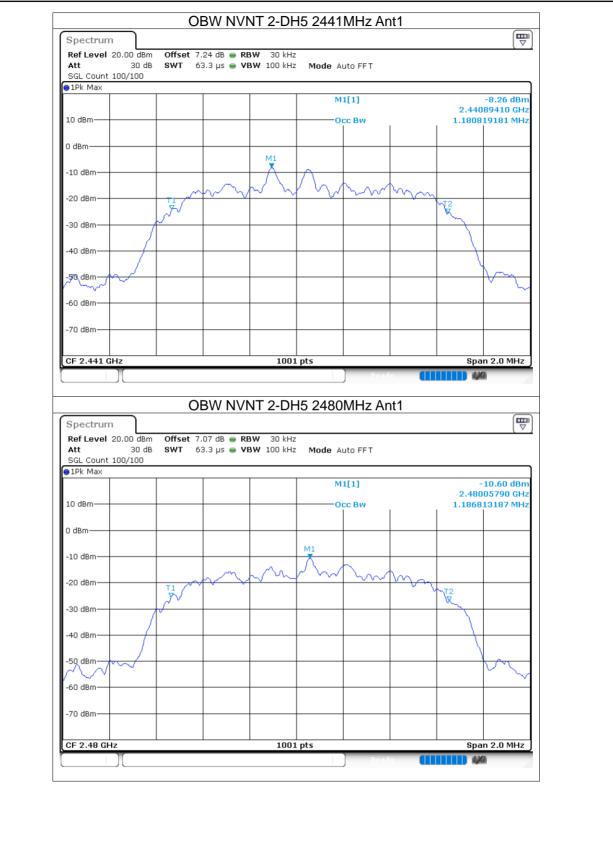












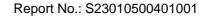


8.1.5 Carrier Frequencies Separation

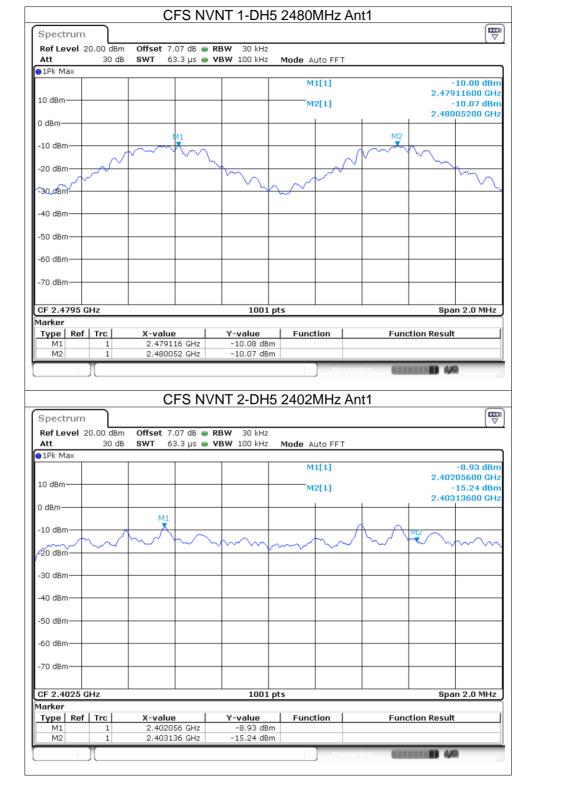
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.056	2403.056	1	0.633	Pass
NVNT	1-DH5	Ant1	2441.116	2442.052	0.936	0.632	Pass
NVNT	1-DH5	Ant1	2479.116	2480.052	0.936	0.631	Pass
NVNT	2-DH5	Ant1	2402.056	2403.136	1.08	0.876	Pass
NVNT	2-DH5	Ant1	2441.058	2442.137	1.079	0.848	Pass
NVNT	2-DH5	Ant1	2479.056	2480.052	0.996	0.877	Pass

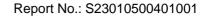




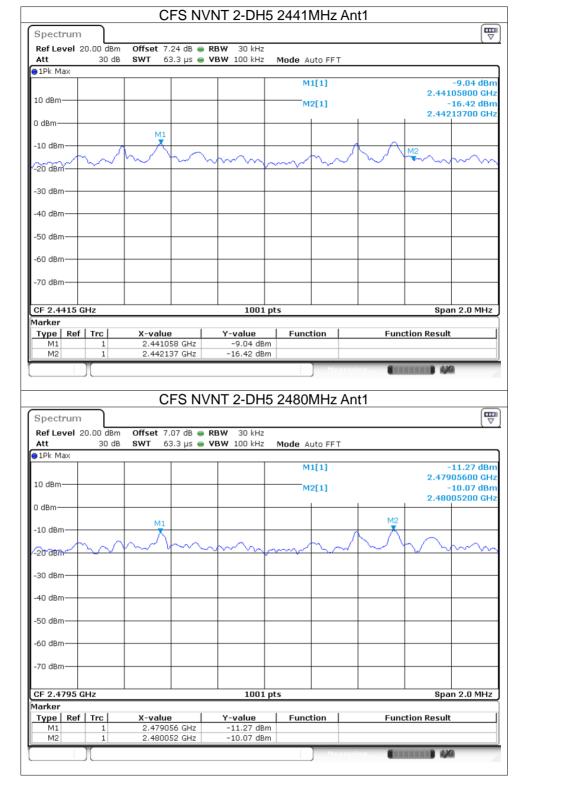














8.1.6 Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass



Spectrum)	oing No. I		2110 24	<u>, , , , , , , , , , , , , , , , , , , </u>	_ / u It I		
Ref Level 20.00		7.07 dB 👄 RE						(*)
Att 3 1Pk Max	BO dB SWT	1 ms 🛑 VE	3W 300 kHz	Mode Auto	o Sweep			
10 dBm				M1[-5.54 dBm 18370 GHz -7.67 dBm 01600 GHz
Q₁₫Bm								M2
-10=Bm++++++++++++++++++++++++++++++++++++								
-30 dBm								
-40 dBm								
-50 dBm								line
-60 dBm								
-70 dBm								
Start 2.4 GHz			1001	pts			Ston 2	.4835 GHz
1arker			1001				0100 2	
	1 2.4018	B37 GHz 016 GHz	<u>Y-value</u> -5.54 dBr -7.67 dBr		on	Fund	tion Result	<u> </u>
1	1 2,480		7.07 001			-		74
	1 2.480	510 GH2	7.07 40		Measuri			0
		bing No. I			Measuri 02MH:	_		
					02MH:	_	4	
Spectrum Ref Level 20.00	Hopp	Ding No. 1	NVNT 2:	-DH5 24		_		
Spectrum Ref Level 20.00 Att 3	Hopp	Ding No. 1	NVNT 2 [.]	DH5 24	o Sweep	_		
Spectrum Ref Level 20.00 Att 3 1Pk Max	Hopp	Ding No. 1	NVNT 2:	-DH5 24	o Sweep	_		
Spectrum Ref Level 20.00 Att 3 1Pk Max 10 dBm	Hopp	Ding No. 1	NVNT 2:	DH5 24	o Sweep	_	2.40	-9.79 dBm
Spectrum Ref Level 20.00 Att 3 1Pk Max 10 dBm-0 0 dBm-0	Hopp	7.07 dB • RE 1 ms • VE	NVNT 2: 3W 100 kHz 3W 300 kHz	-DH5 24	o Sweep 1] 1]	z Ant1	2.40	-9.79 dBm 118370 GHz 10.80 dBm
Spectrum Ref Level 20.00 Att 3 1Pk Max 10 dBm-0 0 dBm-0	Hopp	7.07 dB • RE 1 ms • VE	NVNT 2: 3W 100 kHz 3W 300 kHz	-DH5 24	o Sweep 1] 1]	z Ant1	2.40	-9.79 dBm 118370 GHz 10.80 dBm
Spectrum Ref Level 20.00 Att 3 1Pk Max 10 dBm-0 0 dBm-0	Hopp	7.07 dB • RE 1 ms • VE	NVNT 2: 3W 100 kHz 3W 300 kHz	-DH5 24	o Sweep 1] 1]	z Ant1	2.40	-9.79 dBm 118370 GHz 10.80 dBm
Spectrum Ref Level 20.00 Att 3 PIPk Max 10 dBm 0 dBm Mi 	Hopp	7.07 dB • RE 1 ms • VE	NVNT 2: 3W 100 kHz 3W 300 kHz	-DH5 24	o Sweep 1] 1]	z Ant1	2.40	-9.79 dBm 118370 GHz 10.80 dBm
Spectrum Ref Level 20.00 Att 3 PIPk Max 10 dBm 0 dBm -20 dBm -20 dBm	Hopp	7.07 dB • RE 1 ms • VE	NVNT 2: 3W 100 kHz 3W 300 kHz	-DH5 24	o Sweep 1] 1]	z Ant1	2.40	-9.79 dBm 118370 GHz 10.80 dBm
Spectrum Ref Level 20.00 Att 3 PIPk Max 10 dBm 0 dBm 20 dBm 30 dBm 40 dBm	Hopp	7.07 dB • RE 1 ms • VE	NVNT 2: 3W 100 kHz 3W 300 kHz	-DH5 24	o Sweep 1] 1]	z Ant1	2.40	-9.79 dBm 118370 GHz 10.80 dBm
Spectrum Ref Level 20.00 Att 3 10 dBm 0 dBm - 10 dBm - 20 dBm 30 dBm 50 dBm 50 dBm	Hopp	7.07 dB • RE 1 ms • VE	NVNT 2: 3W 100 kHz 3W 300 kHz	-DH5 24	o Sweep 1] 1]	z Ant1	2.40	-9.79 dBm 118370 GHz 10.80 dBm
Spectrum Ref Level 20.00 Att 3 IPk Max I0 dBm O dBm - D0 dBm - 20 dBm - 50 dBm - 60 dBm - 60 dBm -	Hopp	7.07 dB • RE 1 ms • VE	NVNT 2: 3W 100 kHz 3W 300 kHz	-DH5 24	o Sweep 1] 1]	z Ant1	2.40	-9.79 dBm 118370 GHz 10.80 dBm
Spectrum Ref Level 20.00 Att 3 PIPk Max 10 dBm 0 dBm -20 dBm -20 dBm -20 dBm -50 dBm -50 dBm	Hopp	7.07 dB • RE 1 ms • VE	NVNT 2: 3W 100 kHz 3W 300 kHz	-DH5 24	o Sweep 1] 1]	z Ant1	2.40	-9.79 dBm 118370 GHz 10.80 dBm
Spectrum Ref Level 20.00 Att 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -60 dBm -70 dBm -70 dBm -70 dBm	Hopp	7.07 dB • RE 1 ms • VE	NVNT 2: 3W 100 kHz 3W 300 kHz	DH5 24	o Sweep 1] 1]	z Ant1		-9.79 dBm 118370 GHz 10.80 dBm
Spectrum Ref Level 20.00 Att 3 IPk Max 10 dBm dBm dBm dBm dBm dBm dBm dBm	Hopp		NVNT 2	DH5 24	о Sweep 1] 1] 1] 0 ////////////////////////////////////			-9.79 dBm 018370 GHz 10.80 dBm 04105 GHz



8.1.7 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-50.71	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-50.29	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-50.26	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-50.62	-20	Pass



Spectrum		T 1-DH5 240			9 1.01	
Ref Level 20.00 d Att 25 SGL Count 100/100	dB SWT 18.9µ	dB ⊜ RBW 100 kHz µs ⊜ VBW 300 kHz	Mode Auto FFT			
1Pk Max						
			M1[1]			-2.68 dBm L1190 GHz
10 dBm				+ +		
0 dBm		M	11			
O UBIII			5			
-10 dBm			\rightarrow			
-20 dBm						
Lo dom			$\langle \rangle$			
-30 dBm						
-40 dBm						
		$\gamma \Psi$ T	V\		T	
-50 dBm		N + +				
-60 dBm		,			\sim	m
-70 dBm						
Band E	Edge NVNT 1	-DH5 2402M	Re	Hopping E		
Band E Spectrum Ref Level 20.00 d	3m Offset 10.35 d	-DH5 2402M	Hz Ant1 No-ł	Hopping E		
Band E Spectrum Ref Level 20.00 d Att 25	3m Offset 10.35 d dB SWT 227.5 j	-DH5 2402M	Hz Ant1 No-ł	Hopping E		n
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100	3m Offset 10.35 d dB SWT 227.5 j	-DH5 2402M	Hz Ant1 No-H	Hopping E	missio	n ())
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 1Pk Max	3m Offset 10.35 d dB SWT 227.5 j	-DH5 2402M	Hz Ant1 No-ł	Hopping E	mission	n
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 1Pk Max 10 dBm	3m Offset 10.35 d dB SWT 227.5 j	-DH5 2402M	Hz Ant1 No-H	Hopping E	2.4022	0 -2.69 dBm 25000 GHz 56.95 dBm
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 1Pk Max 10 dBm	3m Offset 10.35 d dB SWT 227.5 j	-DH5 2402M	Hz Ant1 No-H Mode Auto FFT	Hopping E	2.4022	0
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 1Pk Max 10 dBm 0 dBm	3m Offset 10.35 d dB SWT 227.5 j	-DH5 2402M	Hz Ant1 No-H Mode Auto FFT	Hopping E	2.4022	0 -2.69 dBm 25000 GHz 56.95 dBm
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 1Pk Max 10 dBm 0 dBm	Bm Offset 10.35 d dB SWT 227.5 j	-DH5 2402M	Hz Ant1 No-H Mode Auto FFT	Hopping E	2.4022	0 -2.69 dBm 25000 GHz 56.95 dBm
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm	Bm Offset 10.35 d dB SWT 227.5 j	-DH5 2402M	Hz Ant1 No-H Mode Auto FFT	Hopping E	2.4022	0 -2.69 dBm 25000 GHz 56.95 dBm
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 IPk Max 10 dBm -10 dBm -20 dBm D1 -22.0	Bm Offset 10.35 d dB SWT 227.5 j	-DH5 2402M	Hz Ant1 No-H Mode Auto FFT	Hopping E	2.4022	0 -2.69 dBm 25000 GHz 56.95 dBm
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	Bm Offset 10.35 d dB SWT 227.5 p	-DH5 2402M	Mode Auto FFT M1[1] M2[1] M1[1]	Hopping E	2.402 2.400	-2.69 dBm 25000 GHz 56.95 dBm 00000 GHz
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 IPk Max 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm	Bm Offset 10.35 d dB SWT 227.5 p	-DH5 2402M	Mode Auto FFT M1[1] M2[1] M1[1]		2.4022 	-2.69 dBm 25000 GHz 56.95 dBm 00000℃GHz
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 IPk Max 10 dBm -0 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Bm Offset 10.35 d dB SWT 227.5 p	-DH5 2402M	Mode Auto FFT M1[1] M2[1] M1[1]		2.4022 	-2.69 dBm 25000 GHz 56.95 dBm 00000℃GHz
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 IPk Max 10 dBm -0 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Bm Offset 10.35 d dB SWT 227.5 p	-DH5 2402M	Mode Auto FFT M1[1] M2[1] M1[1]		2.4022 	-2.69 dBm 25000 GHz 56.95 dBm 00000℃GHz
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm Start 2.306 GHz	Bm Offset 10.35 d dB SWT 227.5 p	-DH5 2402M	Mode Auto FFT Mode Auto FFT M1[1] M2[1] M2[1] M2[1]		2.4022 2.4002 2.4000	-2.69 dBm 25000 GHz 56.95 dBm 00000℃GHz
Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 IPK Max 10 Intervention 0 dBm	Bm Offset 10.35 d dB SWT 227.5 p	-DH5 2402M	Mode Auto FFT Mode Auto FFT M1[1] M2[1] M2[1] M2[1] M2[1] M2[1]	Vingut-Alure, Aluguda Pa	2.4022 2.4002 2.4000	-2.69 dBm 25000 GHz 56.95 dBm 00000/GHz
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 IPK Max 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -70 dBm -70 dBm -70 dBm -70 dBm Type Ref Trc M1	3m Offset 10.35 d dB SWT 227.5 l	-DH5 2402M	Hz Ant1 No-H Mode Auto FFT M1[1] M2[1] M	Vingut-Alure, Aluguda Pa	mission 2.402 2.400	-2.69 dBm 25000 GHz 56.95 dBm 00000/GHz
Band E Spectrum Ref Level 20.00 d Att 25 SGL Count 100/100 ID dBm 10 dBm -10 dBm -20 dBm -70 dBm	Bm Offset 10.35 dB SWT 227.5 p	-DH5 2402M	Mode Auto FFT Mode Auto FFT M1[1] M2[1]	Vingut-Alure, Aluguda Pa	mission 2.402 2.400	-2.69 dBm 25000 GHz 56.95 dBm 00000/GHz



Spect Ref Le		0.00 dB	m Offset 10).35 dB 👄	RBW 100 kH	z				
Att		25 d 00/100			VBW 300 kH		Auto FFT			
SGL CU		00/100								
						м	1[1]		2.400	-4.46 dBm
10 dBm·									2.480	09590 GHz
0 dBm—						₩1 ▼.				
-10 dBm						7				
					1					
-20 dBm										
-30 dBm						$ \rightarrow $				
						\				
-40 dBm	-				1/		10			
-50 dBm			_	/	γ		۲Ľ.			
		~~~	mm	m			h	mm	ham	0000
-60 dBm	Y	- 01	and Maria					mari	N N	$\vee$ $\vee$ $\vee$ $\vee$
-70 dBm										
-70 UBII										
			1	1	1		1	1	1	
CF 2.44	Ba	)[	dge NVN	T 1-DF	1001 15 2480N		) Pear t1 No-H	opping		nn 8.0 MHz)
Spect Ref Le Att	Ba rum vel 2		m Offset 10	).35 dB 👄		/Hz Ant		opping		n
Specti Ref Le Att SGL Co	Ba rum vel 2 unt 1		m Offset 10	).35 dB 👄	15 2480N RBW 100 kH	/Hz Ant		opping		n
Spect Ref Le Att	Ba rum vel 2 unt 1		m Offset 10	).35 dB 👄	15 2480N RBW 100 kH	/Hz Ant ^z Mode		opping	Emissic	n 
Specti Ref Le Att SGL Co	Ba rum vel 2 unt 1		m Offset 10	).35 dB 👄	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	n (The second se
Spect Ref Le Att SGL Co 9 1Pk Ma	Ba rum vel 2 unt 1		m Offset 10	).35 dB 👄	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	000 (₩) -3.95 dBm 125000 GHz
Spect Ref Le Att SGL Co ID dBm	Ba rum vel 2 unt 1 ax		m Offset 10	).35 dB 👄	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	-3.95 dBm 25000 GHz -56.95 dBm
Specto Ref Le Att SGL Co PIPK MA 10 dBm- 0 dBm-	Ba rum vel 2 uunt 1		m Offset 10	).35 dB 👄	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	-3.95 dBm 25000 GHz -56.95 dBm
Spects Ref Le SGL Co ● 1Pk M. 10 dBm - 10 dBm -20 dBm	Ba rum vel 2 unt 1 ax		m Offset 10 B SWT 2:	).35 dB 👄	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	-3.95 dBm 25000 GHz -56.95 dBm
Specto Ref Le Att SGL Co IPk M 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	Ba rum vel 2 unt 1 ax	Ind E 0.00 dB 25 d 00/100	m Offset 10 B SWT 2:	).35 dB 👄	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	-3.95 dBm 25000 GHz -56.95 dBm
Specto Ref Le SGL Co IPK M: 0 dBm- -10 dBm -20 dBm -30 dBm -40 dBm	Barrum vel 2 uunt 1 ax	Ind E 0.00 dB 25 d 00/100	m Offset 10 B SWT 2:	).35 dB 👄	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	-3.95 dBm 25000 GHz -56.95 dBm
Specto Ref Le Att SGL Co IPk M 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	Barrum vel 2 uunt 1 ax	0.00 dBi 25 d 00/100	m Offset 10 B SWT 22	0.35 dB ●	H5 2480N	MHz Ant	Auto FFT  1[1]  2[1]		2.480	-3.95 dBm 25000 GHz 56.95 dBm 50000 GHz
Specto Ref Le SGL Co IPK M: 0 dBm- -10 dBm -20 dBm -30 dBm -40 dBm	Ba rum vel 2 unt 1 ax	0.00 dBi 25 d 00/100	m Offset 10 B SWT 2:	0.35 dB ●	H5 2480N	MHz Ant	Auto FFT  1[1]  2[1]		2.480	-3.95 dBm 25000 GHz 56.95 dBm 50000 GHz
Specto Ref Le Att SGL Co IPk M 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm	Ba rum vel 2 unt 1 ax	0.00 dBi 25 d 00/100	m Offset 10 B SWT 22	0.35 dB ●	H5 2480N	MHz Ant	Auto FFT  1[1]  2[1]		2.480	-3.95 dBm 25000 GHz 56.95 dBm 50000 GHz
Specto Ref Le Att SGL Co I D dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -40 dBm -40 dBm -70 dBm	Barry Control of the second se	1 -24.44	m Offset 10 B SWT 22	0.35 dB ●	15 2480N	MHz Ant z Mode . M M	Auto FFT  1[1]  2[1]		2.480 2.483	-3.95 dBm 25000 GHz 56.95 dBm 250000 GHz 0 0 0 0 0 0 0 0 0 0 0 0 0
Specto Ref Le Att SGL Co • 1Pk M: 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -40 dBm	Barry Control of the second se	1 -24.44	m Offset 10 B SWT 22	0.35 dB ●	H5 2480N	MHz Ant z Mode . M M	Auto FFT  1[1]  2[1]		2.480 2.483	-3.95 dBm 25000 GHz 56.95 dBm 50000 GHz
Specto Ref Le Att SGL Co • 1Pk M: 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -40 dBm -40 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	Ba rum vel 2 unt 1 ax	0.00 dBi 25 d 00/100 1 -24.4 4/1/-4/-4/-4	m Offset 1( B SWT 2) 	0.35 dB • 27.5 µs •	H5 2480N	MHz Ant	Auto FFT  1[1] 2[1]		2.480 2.483	000 -3.95 dBm 125000 GHz -56.95 dBm 56.95 dBm 1250000 GHz 10000 GHZ 1000000 GHZ 100000 GHZ 100000 GHZ 100000 GHZ 100000 GHZ 100000
Spect Ref Le SGL Ca ID dBm- 0 dBm- -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -70 dBm Start 2 Marker	Ba rum vel 2 unt 1 ax	1 -24.44 0,00 dBi 25 d 00/100	m Offset 1( B SWT 2) 57 dBm 57 dBm 5	0.35 dB • 27.5 µs •	H5 2480N	MHz Ant	Auto FFT  1[1] 2[1]		2.480 2.483	000 -3.95 dBm 125000 GHz -56.95 dBm 56.95 dBm 1250000 GHz 10000 GHZ 1000000 GHZ 100000 GHZ 100000 GHZ 100000 GHZ 100000 GHZ 100000



Ref Level Att SGL Count	n 20.00 dBm 25 dB : 100/100			RBW 100 kH /BW 300 kH		Auto FFT			
					М	1[1]		2.402	-2.19 dBm 221580 GHz
10 dBm									
0 dBm									
-10 dBm—				~~~	m				
-20 dBm—									
-30 dBm—									
-40 dBm—									
-50 dBm			$\sim$			Ŵ	<u> </u>		
-60 dBm	m	m	1				how	vm	$\sim$
-70 dBm—									
CF 2.402	GHz	1	•	1001	pts	Read	· (11	Spā	an 8.0 MHz
B	and Ed	Offset 10	0.35 dB 👄 F	1001 5 2402N RBW 100 kH VBW 300 kH	/Hz Ant		opping		<b>a</b>
B Spectrur Ref Level	Band Ed	Offset 10	0.35 dB 👄 F	5 2402N	/Hz Ant		opping		on
B Spectrur Ref Level Att SGL Count ● 1Pk Max	Band Ed	Offset 10	0.35 dB 👄 F	5 2402N	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	on
Spectrur Ref Level Att SGL Count	Band Ed	Offset 10	0.35 dB 👄 F	5 2402N	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	on ♥ -2.73 dBm
B Spectrur Ref Level Att SGL Count PIPk Max 10 dBm-	Band Ed	Offset 10	0.35 dB 👄 F	5 2402N	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	-2.73 dBm 85000 GHz -56.30 dBm
B Spectrur Ref Level Att SGL Count SGL Count I 0 dBm- 0 dBm-	Band Ed	Offset 10 SWT 22	0.35 dB 👄 F	5 2402N	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	-2.73 dBm 85000 GHz -56.30 dBm
E Spectrur Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm-	Band Ed	Offset 10 SWT 22	0.35 dB 👄 F	5 2402N	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	-2.73 dBm 85000 GHz -56.30 dBm
E Spectrur Ref Level Att SGL Count I OdBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Band Ed	Offset 10 SWT 22	0.35 dB 👄 F	5 2402N	/Hz Ant ^z Mode	Auto FFT	opping	Emissic	-2.73 dBm 85000 GHz -56.30 dBm
E Spectrur Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm-	Band Ed n 20.00 dBm 25 dB 100/100	Offset 10 SWT 22	D.35 dB ● F 27.5 μs ● V	5 2402N	/Hz Ant ^z Mode M M	Auto FFT 1[1] 2[1]	opping	2.401 2.400	-2.73 dBm B5000 GHz -56.30 dBm D000000 GHz
E Spectrur Ref Level Att SGL Count ● 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Band Ed n 20.00 dBm 25 dB 100/100	Offset 10 SWT 22	D.35 dB ● F 27.5 μs ● V	5 2402N	/Hz Ant ^z Mode M M	Auto FFT 1[1] 2[1]		2.401 2.400	-2.73 dBm B5000 GHz -56.30 dBm D000000 GHz
E Spectrur Ref Level Att SGL Count ● 1Pk Max 10 dBm - 0 dBm - 10 dBm - 20 dBm - 30 dBm - 40 dBm - 50 dBm	D1 -22,195	Offset 10 SWT 22	D.35 dB ● F 27.5 μs ● V	5 2402N	/Hz Ant z Mode . M M	Auto FFT 1[1] 2[1]		2.401 2.400	-2.73 dBm B5000 GHz -56.30 dBm D000000 GHz



Spectru	ım									
Ref Lev	el 20.0				RBW 100 kH					
Att SGL Cou	nt 100	25 dB /100	SWT	18.9 µs 🖷	<b>VBW</b> 300 kH	z Mode	Auto FFT			
OGL COU		100								
_						М	1[1]			-4.07 dBm
10 dBm—								1	2.479	989610 GHz
10 UBIII-										
0 dBm—					M1					
					X	-0				
-10 dBm-	_					1° m				
-20 dBm-	_									
-30 dBm-										
-40 dBm-										
				· ·	X		$ \rangle$			
-50 dBm-	_						- Yong			<u> </u>
-00-00-		, m		X				mar	man	h
-60 dBm-	-m	~ *	$\sim \sim $					~ \ * '	~ ~	1 Llower
-70 dBm-										
				_						
-	L)( Ban	d Ed	ge NVN	NT 2-DH	1001 15 2480N		) t1 No-H	tv 🔲 lopping	<b></b> ) W	
Spectru Ref Lev	Ban Im	O dBm	Offset 1	.0.35 dB 👄 I	15 2480N RBW 100 kH	/Hz Ant		lopping	<b></b> ) W	a //
Spectru	Ban Im I 20.0	0 dBm 25 dB	Offset 1	.0.35 dB 👄 I	15 2480N	/Hz Ant		lopping	<b></b> ) W	on
Spectru Ref Lev Att	Bang Im el 20.0	0 dBm 25 dB	Offset 1	.0.35 dB 👄 I	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	lopping	<b></b> ) W	n (The second se
Spectru Ref Leve Att SGL Cou PIPk May	Bang Im el 20.0	0 dBm 25 dB	Offset 1	.0.35 dB 👄 I	15 2480N RBW 100 kH	/Hz Ant ^z Mode		lopping	Emissic	on (₩) -5.12 dBm
Spectro Ref Lev Att SGL Cou	Bang Im el 20.0	0 dBm 25 dB	Offset 1	.0.35 dB 👄 I	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	lopping	Emissic	-5.12 dBm 115000 GHz -57.75 dBm
Spectru Ref Leve Att SGL Cou PIPk May	Bang Im el 20.0	0 dBm 25 dB	Offset 1	.0.35 dB 👄 I	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	lopping	Emissic	000 (₩) -5.12 dBm 015000 GHz
Spectru Ref Lev Att SGL Cou 1Pk Mas 10 dBm—	Bang Im el 20.0	0 dBm 25 dB	Offset 1	.0.35 dB 👄 I	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	lopping	Emissic	-5.12 dBm 115000 GHz -57.75 dBm
Spectru Ref Lev Att SGL Cou @ 1Pk May 10 dBm 0 dBm 0 dBm	Bang Im el 20.0	0 dBm 25 dB	Offset 1	.0.35 dB 👄 I	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	lopping	Emissic	-5.12 dBm 115000 GHz -57.75 dBm
Spectru Ref Lev Att SGL Cou P1Pk Max 10 dBm- 0 dBm-	Bane um el 20.0	0 dBm 25 dB	Offset 1 SWT 2	.0.35 dB 👄 I	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT	lopping	Emissic	-5.12 dBm 115000 GHz -57.75 dBm
Spectru Ref Lev Att SGL Cou @ 1Pk May 10 dBm- 0 dBm- -10 dBm-	Bane um el 20.0	0 dBm 25 dB /100	Offset 1 SWT 2	.0.35 dB 👄 I	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT		Emissic	-5.12 dBm 115000 GHz -57.75 dBm
Spectru Ref Lev SGL Cou 9 IPk May 10 dBm- 0 dBm- -10 dBm- -20 dBm-	Bane um el 20.0	0 dBm 25 dB /100	Offset 1 SWT 2	.0.35 dB 👄 I	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT		Emissic	-5.12 dBm 115000 GHz -57.75 dBm
Spectru Ref Lev Att SGL Cou • 1Pk Ma; 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm-	Bane um el 20.0	0 dBm 25 dB /100	Offset 1 SWT 2	.0.35 dB 👄 I	15 2480N RBW 100 kH	/Hz Ant ^z Mode	Auto FFT		Emissic	-5.12 dBm 115000 GHz -57.75 dBm
Spectru Ref Lev Att SGL Cou • 1Pk Ma; 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	Ban. Jum Jum Jum Jum Jum Jum Jum Jum Jum Jum	0 dBm 25 dB /100 24.069	Offset 1 SWT 2	0.35 dB • 1	15 2480N RBW 100 kH VBW 300 kH	/Hz Ant	Auto FFT  1[1]  2[1]		2.480 2.480	-5.12 dBm 015000 GHz -57.75 dBm 350000 GHz
Spectru Ref Lev Att SGL Cou • 1Pk Ma; 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	Ban. Jum Jum Jum Jum Jum Jum Jum Jum Jum Jum	0 dBm 25 dB /100	Offset 1 SWT 2	0.35 dB • 1	15 2480N RBW 100 kH	/Hz Ant	Auto FFT  1[1]  2[1]		2.480 2.480	-5.12 dBm 015000 GHz -57.75 dBm 350000 GHz
Spectru Ref Lev. Att SGL Cou • 1Pk Max 10 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- 40 dBm-	Ban. Jum Jum Jum Jum Jum Jum Jum Jum Jum Jum	0 dBm 25 dB /100 24.069	Offset 1 SWT 2	0.35 dB • 1	15 2480N RBW 100 kH VBW 300 kH	/Hz Ant	Auto FFT  1[1]  2[1]		2.480 2.480	-5.12 dBm 015000 GHz -57.75 dBm 350000 GHz
Spectru Ref Lev Att SGL Cou 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -40 dBm-	Ban. Jum Jum Jum Jum Jum Jum Jum Jum Jum Jum	0 dBm 25 dB /100 24.069	Offset 1 SWT 2	0.35 dB • 1	15 2480N RBW 100 kH VBW 300 kH	/Hz Ant	Auto FFT  1[1]  2[1]		2.480 2.480	-5.12 dBm 015000 GHz -57.75 dBm 350000 GHz
Spectru Ref Lev Att SGL Cou •1Pk May 10 dBm- -0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm- -40 dBm- -70 dBm- Start 2.4	Ban Jim Jim Jim D1	25 dB (100 24.069	Offset 1 SWT 2	0.35 dB • 1	15 2480N RBW 100 kH VBW 300 kH	MHz Ant	Auto FFT  1[1]  2[1]		2.480 2.480	-5.12 dBm 015000 GHz -57.75 dBm 350000 GHz
Spectru Ref Lev. Att SGL Cou 9 1Pk Max 10 dBm	D1	25 dB 25 dB /100 24.069	Offset 1 SWT 2	0.35 dB • 1	15 2480N	MHz Ani	Auto FFT  1[1]  2[1]  4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4		Emissic 2.480 2.480	000 -5.12 dBm 115000 GHz -57.75 dBm 557.75 dBm 0000 GHz 0000 GHZ 00000 GHZ 0000 GHZ 0000 GHZ 0000 GHZ 00
Spectru Ref Lev Att SGL Cou • 1Pk May 10 dBm- -0 dBm- -20 dBm- -20 dBm- -30 dBm- -40 dBm- -40 dBm- -70 dBm- Start 2.4	D1	25 dB 25 dB /100 24.069	Offset 1 SWT 2 dBm dBm M3 whytew (by white X-valu	0.35 dB • 1	15 2480N	MHz Ant	Auto FFT  1[1]  2[1]  4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4		2.480 2.480	000 -5.12 dBm 115000 GHz -57.75 dBm 557.75 dBm 0000 GHz 0000 GHZ 00000 GHZ 0000 GHZ 0000 GHZ 0000 GHZ 00
Spectru Ref Lev Att SGL Cou • 1Pk Ma; 10 dBm- -0 dBm- -20 dBm- -20 dBm- -30 dBm- -40 dBm- -40 dBm- -40 dBm- -70 dBm- Start 2.4 Marker Type I M11 M2	D1	24.069	Offset 1 SWT 2 dBm dBm www.www.www.www.www.www.www.www.www.ww	0.35 dB • 1 227.5 µs • 1 	I5 2480N	MHz Ant	Auto FFT  1[1]  2[1]  4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4		Emissic 2.480 2.480	000 -5.12 dBm 115000 GHz -57.75 dBm 557.75 dBm 0000 GHz 0000 GHZ 00000 GHZ 0000 GHZ 0000 GHZ 0000 GHZ 00
Spectru Ref Lev. Att SGL Cou 10 dBm- 10 dBm- -10 dBm- -20 dBm- -20 dBm- -40 dBm- -40 dBm- -40 dBm- -40 dBm- -70 dBm- -70 dBm- Type 1 Marker Type 1 M1	D1	25 dB (100 25 dB (100 24.069 24.069 24.069 24.069 24.069 24.069 24.069 24.069 24.069 24.069 24.069 24.069 24.069 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 25.06 2	Offset 1 SWT 2 dBm dBm xivswiji	0.35 dB 227.5 μs	15 2480N	MHz Ani	Auto FFT  1[1]  2[1]  4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4		Emissic 2.480 2.480	000 -5.12 dBm 115000 GHz -57.75 dBm 557.75 dBm 0000 GHz 0000 GHZ 00000 GHZ 0000 GHZ 0000 GHZ 0000 GHZ 00



# 8.1.8 Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-49.36	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-49.52	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-50.04	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-49.75	-20	Pass



D	and Edg	ge(Hopp	ing) N	/NT 1-D	H5 240	2MHz A	Ant1 Hop	oping R	
Spectrur	n								₩
Ref Level Att	20.00 dBm 25 dB			RBW 100 kH: VBW 300 kH:		Auto FFT			,
SGL Count 1Pk Max	8000/8000								
TEK MAX					M	1[1]			-2.05 dBm
10 d0m						1		2.403	506890 GHz
10 dBm									
0 dBm								M1	
				ГЛ	$\gamma$	$\bigwedge$	$\square$		1 /
-10 dBm—					$\langle \rangle$				$\mathbb{N}$
-20 dBm—					V		2	$\sim$	$\downarrow \lor$
-30 dBm—									
-40 dBm									
				¥					
-50 dBm—									
-60 dBm—	m	~~~~~	~~~~						
So abin									
-70 dBm—									
CF 2.402 (	GHz			1001				0	
Ban	d Edge(	Hopping	g) NVN	1001 T 1-DH5		) Prov IHz Ant	1 Hoppii	<b>111</b> ) Ø	
Band Spectrum Ref Level Att	d Edge( n 20.00 dBm 25 dB	Offset 10	1.35 dB 😑 I		2402M		1 Hoppin	<b>111</b> ) Ø	9
Ban Spectrur Ref Level Att SGL Count	d Edge(	Offset 10	1.35 dB 😑 I	T 1-DH5	2402M		1 Hoppin	<b>111</b> ) Ø	ssion
Bane Spectrum Ref Level Att SGL Count	d Edge( n 20.00 dBm 25 dB	Offset 10	1.35 dB 😑 I	T 1-DH5	2402M ^z Mode /		1 Hoppin	ng Emis	Ssion (₩ -2.76 dBm
Bane Spectrum Ref Level Att SGL Count	d Edge( n 20.00 dBm 25 dB	Offset 10	1.35 dB 😑 I	T 1-DH5	2402M ² Mode /	Auto FFT 1[1]	1 Hoppin	ng Emis 2.405	assion
Bane Spectrum Ref Level Att SGL Count PIPk Max	d Edge( n 20.00 dBm 25 dB	Offset 10	1.35 dB 😑 I	T 1-DH5	2402M ² Mode /	Auto FFT	1 Hoppin	ng Emis	Ssion 
Bane Spectrum Ref Level Att SGL Count 1Pk Max	d Edge( n 20.00 dBm 25 dB	Offset 10	1.35 dB 😑 I	T 1-DH5	2402M ² Mode /	Auto FFT 1[1]	1 Hoppin	ng Emis	SSION (₩ -2.76 dBm 15000 GH2 -55.96 dBm
Band Spectrun Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm-	d Edge( n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22	1.35 dB 😑 I	T 1-DH5	2402M ² Mode /	Auto FFT 1[1]	1 Hoppin	ng Emis	SSION (₩ -2.76 dBm 15000 GH2 -55.96 dBm
Band Spectrum Ref Level Att SGL Count SGL Count ID dBm- 0 dBm- -10 dBm- -20 dBm-	d Edge( n 20.00 dBm 25 dB	Offset 10 SWT 22	1.35 dB 😑 I	T 1-DH5	2402M ² Mode /	Auto FFT 1[1]	1 Hoppin	ng Emis	SSION (₩ -2.76 dBm 15000 GH2 -55.96 dBm
Band Spectrun Ref Level Att SGL Count • 1Pk Max 10 dBm	d Edge( n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22	1.35 dB 😑 I	T 1-DH5	2402M ² Mode /	Auto FFT 1[1]	1 Hoppin	ng Emis	SSION (₩ -2.76 dBm 15000 GH2 -55.96 dBm
Band Spectrum Ref Level Att SGL Count SGL Count ID dBm- 0 dBm- -10 dBm- -20 dBm-	d Edge( n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22	1.35 dB 👄 1 27.5 μs 👄 '	T 1-DH5	2402M ² Mode /	Auto FFT 1[1]	1 Hoppin	ng Emis	SSION (₩ -2.76 dBm 15000 GH2 -55.96 dBm
Band Spectrum Ref Level Att SGL Count • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	d Edge( n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22	0.35 dB ● 1 7.5 μs ● 1	Т 1-DH5	2402M ² Mode /	Auto FFT 1[1] 2[1]		2.400 2.400	-2.76 dBm -2.76 dBm -55.96 dBm 00000 GHz
Band Spectrum Ref Level Att SGL Count SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	d Edge( n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22	1.35 dB 👄 1 27.5 μs 👄 '	Т 1-DH5	2402M ² Mode /	Auto FFT 1[1]		2.403 2.400	SSION (₩ -2.76 dBm 15000 GH2 -55.96 dBm
Band Spectrum Ref Level Att SGL Count SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -50 dBm- -50 dBm-	d Edge( n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22	0.35 dB ● 1 7.5 μs ● 1	Т 1-DH5	2402M ² Mode /	Auto FFT 1[1] 2[1]		2.400 2.400	-2.76 dBm -2.76 dBm -55.96 dBm 00000 GHz
Band Spectrum Ref Level Att SGL Count 10 dBm- 0 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm-	d Edge( n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22	0.35 dB ● 1 7.5 μs ● 1		2402M	Auto FFT 1[1] 2[1]		2.400 2.400	-2.76 dBm -2.76 dBm -55.96 dBm 00000 GHz
Band Spectrum Ref Level Att SGL Count •10 dBm 0 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm -70 dBm -70 dBm	D1 -22.052	Offset 10 SWT 22	0.35 dB ● 1 7.5 μs ● 1	Т 1-DH5	2402M	Auto FFT 1[1] 2[1]		2.400	-2.76 dBm -2.76 dBm -55.96 dBm 00000 GHz
Bane Spectrum Ref Level Att SGL Count • 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm	D1 -22.052	Offset 10 SWT 22	.35 dB ● I ?7.5 µs ● ' М4 М4		2402M	Auto FFT  1[1] 2[1]		2.400	-2.76 dBm -2.76 dBm -55.96 dBm 00000 GHz -55.96 dBm 2.406 GHz
Band Spectrum Ref Level Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.30 Marker Type Re M1	d Edge( n 20.00 dBm 25 dB 1200/1200 D1 -22.052 Automotion 6 GHz f Trc 1	Offset 10 SWT 22 dBm dBm 	M4 M4 M4 M5 GHz	T 1-DH5	2402M	Auto FFT  1[1] 2[1]		ng Emis 2.400 2.400	-2.76 dBm -2.76 dBm -55.96 dBm 00000 GHz -55.96 dBm 2.406 GHz
Band Spectrum Ref Level Att SGL Count SGL Count O dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -70 dBm -70 dBm Type Ref	d Edge( n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22 dBm dBm dBm c	0.35 dB (7.5 μs (7.5	Т 1-DH5	2402M	Auto FFT  1[1] 2[1]		ng Emis 2.400 2.400	-2.76 dBm -2.76 dBm -55.96 dBm 00000 GHz -55.96 dBm 2.406 GHz



Ref Level         20.00 dBm         Offset         10.35 dB         ● RBW         100 kHz           Att         25 dB         SWT         18.9 μs         ● VBW         300 kHz         Mode         Auto FFT           SGL Count 8000/8000         ● 1Pk Max	
SGL Count 8000/8000 P1Pk Max  M1[1]  2.4780	
M1[1] - 2.4780	
2.4780	
	3.98 dBm 5000 GHz
	0000 0112
0 dBm	
-10/dBm	
-20 dBm	
-30 dBm	
-40 dBm	
-50 dBm	
	~~~~~
-60 dBm	
-70 dBm	
CF 2.48 GHz 1001 pts Span	8.0 MHz
Ref Level 20.00 dBm Offset 10.35 dB 🖷 RBW 100 kHz	
Att 25 dB SWT 227.5 μs 🖷 VBW 300 kHz Mode Auto FFT	
Att 25 dB SWT 227.5 µs ● VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 ● 1Pk Max M1[1] -	4.01 dBm
Att 25 dB SWT 227.5 µs ● VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 ● 1Pk Max 10 dBm M1[1] 2.4799	5000 GHz
Att 25 dB SWT 227.5 μs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 0 10 dBm M1[1] - 10 dBm M2[1] -5 -5	
Att 25 dB SWT 227.5 μs ♥ VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 -	5000 GHz 5.76 dBm
Att 25 dB SWT 227.5 μs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 91Pk Max M1[1] - - 10 dBm M2[1] -5 -5 - 10 dBm 910 dBm 910 dBm 910 dBm - -	5000 GHz 5.76 dBm
Att 25 dB SWT 227.5 µs ♥ VBW 300 kHz Mode Auto FFT SGL Count 1200/1200	5000 GHz 5.76 dBm
Att 25 dB SWT 227.5 µs ● VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 ● 1Pk Max 10 dBm	5000 GHz 5.76 dBm
Att 25 dB SWT 227.5 µs ● VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 ● 1Pk Max 10 dBm	5000 GHz 5.76 dBm
Att 25 dB SWT 227.5 μs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 Image: SGL Count 1200/1200	5000 GHz 5.76 dBm
Att 25 dB SWT 227.5 μs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 IPk Max M1[1] -<	5000 GHz 5.76 dBm
Att 25 dB SWT 227.5 μs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 •	5000 GHz
Att 25 dB SWT 227.5 μs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 91Pk Max M1[1] - <td< td=""><td>5000 GHz</td></td<>	5000 GHz
Att 25 dB SWT 227.5 μs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 •	5000 GHz
Att 25 dB SWT 227.5 μs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 I PIK Max Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 I PIK Max Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 I D dBm Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 I D dBm Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 I D dBm Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 I D dBm Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 I D I D Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 I D I D Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 I D I D I D Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200 Image: SGL Sector 1200/1200	5000 GH2 5.76 dBm 0000 GH2
Att 25 dB SWT 227.5 μs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 91Pk Max M1[1] 70 dBm 2.4790 10 dBm 0 M2[1] 50 50 dBmz M4M3 -50 dBmz M4M3 μμμμ μ	5000 GH2 5.76 dBm 0000 GH2
Att 25 dB SWT 227.5 μs VBW 300 kHz Mode Auto FFT SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200 Image: SGL Count 1200/1200	5000 GH2 5.76 dBm 0000 GH2



Ref Level Att SGL Count	20.00 dBm 25 dB 8000/8000			(BW 100 kH /BW 300 kH		Auto FFT			
IFK Mdx					м	1[1]		2.403	-2.07 dBm 89410 GHz
10 dBm									
0 dBm							M1		
				~~	my	M	-	ham	m Λ
-10 dBm						· · · · · · · · · · · · · · · · · · ·			~~~
-20 dBm—									
-30 dBm									
-40 dBm			m	/					
-50 dBm			~~~						
-60 dBm-		m							
-00 ubiii									
-70 dBm—									
05 0 400 /	21.1-			1001				0	- 0.0 MU-
CF 2.402 C Band	d Edge(Hopping	g) NVN⁻	1001 T 2-DH5) Read IHz Ant [*]	1 Hoppi		ssion
Band Spectrum Ref Level Att	d Edge(Offset 10).35 dB 👄 R		5 2402N		1 Hoppin		sion
Band Spectrum Ref Level Att	d Edge(n 20.00 dBm 25 dB	Offset 10).35 dB 👄 R	T 2-DH5	2402N 2 Mode	Auto FFT	1 Hoppi	ng Emis	ssion
Band Spectrum Ref Level Att SGL Count	d Edge(n 20.00 dBm 25 dB	Offset 10).35 dB 👄 R	T 2-DH5	2402N	Auto FFT 1[1]	1 Hoppi	ng Emis 2.403	-2.36 dBm 95000 GHz
Band Spectrum Ref Level Att SGL Count PPk Max 10 dBm-	d Edge(n 20.00 dBm 25 dB	Offset 10).35 dB 👄 R	T 2-DH5	2402N	Auto FFT	1 Hoppi	ng Emis 2.403	ssion
Band Spectrum Ref Level Att SGL Count PIPK Max	d Edge(n 20.00 dBm 25 dB	Offset 10).35 dB 👄 R	T 2-DH5	2402N	Auto FFT 1[1]	1 Hoppi	ng Emis 2.403	-2.36 dBm 95000 GHz 56.10 dBm
Band Spectrum Ref Level Att SGL Count PIPK Max 10 dBm- 0 dBm- -10 dBm-	d Edge(n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22).35 dB 👄 R	T 2-DH5	2402N	Auto FFT 1[1]	1 Hoppin	ng Emis 2.403	-2.36 dBm 95000 GHz 56.10 dBm
Band Spectrum Ref Level Att SGL Count SGL Count I dBm 0 dBm -10 dBm -20 dBm	d Edge(n 20.00 dBm 25 dB	Offset 10 SWT 22).35 dB 👄 R	T 2-DH5	2402N	Auto FFT 1[1]	1 Hoppi	ng Emis 2.403	-2.36 dBm 95000 GHz 56.10 dBm
Band Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -10 dBm -30 dBm	d Edge(n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22).35 dB 👄 R	T 2-DH5	2402N	Auto FFT 1[1]	1 Hoppi	ng Emis 2.403	-2.36 dBm 95000 GHz 56.10 dBm
Band Spectrum Ref Level Att SGL Count I D dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	d Edge(n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22).35 dB 👄 R	T 2-DH5	2402N	Auto FFT 1[1]	1 Hoppin	2.403	-2.36 dBm 95000 GHz 56.10 dBm 00000 &Hz
Band Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -10 dBm -30 dBm -30 dBm -30 dBm -40 dBm	d Edge(n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22	0.35 dB ● R 27.5 μs ● V	T 2-DH5	2402N	Auto FFT 1[1] 2[1]		ng Emis 2.403	-2.36 dBm 95000 GHz 56.10 dBm
Band Spectrum Ref Level Att SGL Count PIPK Max 10 dBm- -0 dBm- -20 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm-	d Edge(n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22	0.35 dB ● R 27.5 μs ● V	T 2-DH5 RBW 100 kH yBW 300 kH	5 2402N	Auto FFT 1[1] 2[1]		2.400	-2.36 dBm 95000 GHz 56.10 dBm 00000 &Hz
Band Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -10 dBm -30 dBm -30 dBm -30 dBm -40 dBm	d Edge(n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22	0.35 dB ● R 27.5 μs ● V	T 2-DH5 RBW 100 kH yBW 300 kH	5 2402N	Auto FFT 1[1] 2[1]		2.400	-2.36 dBm 95000 GHz 56.10 dBm 00000 &Hz
Band Spectrum Ref Level Att SGL Count ● 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm	D1 -22.070	Offset 10 SWT 22	0.35 dB ● R 27.5 μs ● V	T 2-DH5 RBW 100 kH yBW 300 kH	2402N	Auto FFT 1[1] 2[1]		2.400	-2.36 dBm 95000 GHz 56.10 dBm 00000 &Hz
Band Spectrum Ref Level Att SGL Count SGL Count I dBm 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -40 dBm -50 dBm -70 dBm -7	d Edge(n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22 dBm dBm	0.35 dB	Т 2-DH5 КВW 100 kH /BW 300 kH ////////////////////////////////////	2402N	Auto FFT 1[1] 2[1]	duran a fair a f	2.400	-2.36 dBm 95000 GHz 56.10 dBm 00000 GHz .406 GHz
Band Spectrum Ref Level Att SGL Count ISGL Count ID dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm	d Edge(n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22 dBm dBm 	0.35 dB 27.5 μs	M4 100 1 100 1	2402N	Auto FFT 1[1] 2[1]	duran a fair a f	2.403	-2.36 dBm 95000 GHz 56.10 dBm 00000 GHz .406 GHz



Att	20.00 dBm 25 dB 8000/8000			RBW 100 kH: /BW 300 kH:		Auto FFT			
					м	1[1]		2.479	-3.94 dBm 106490 GHz
10 dBm									
0 dBm			M1						
-10 dBm	Λ_{m}	m	-	Man M	har				
			2						
-20 dBm—									
-30 dBm									
-40 dBm						<u> </u>			
-50 dBm						my,			
							have	mm	
-60 dBm									
-70 dBm—									
CE 9 49 CI				1001	nte				n O O MUT
CF 2.48 GI Band Spectrun	d Edge(Hopping	g) NVN ⁻	1001 T 2-DH5) Peed IHz Ant'	1 Hoppi		ssion
Band Spectrum Ref Level Att	d Edge(Offset 10).35 dB 👄 🖡		2480N		1 Hoppi		ssion
Band Spectrum Ref Level Att	d Edge(n 20.00 dBm 25 dB	Offset 10).35 dB 👄 🖡	T 2-DH5	2480N 2 2 Mode /	Auto FFT	1 Hoppi		ssion
Band Spectrum Ref Level Att SGL Count	d Edge(n 20.00 dBm 25 dB	Offset 10).35 dB 👄 🖡	T 2-DH5	2480W ² Mode / M	Auto FFT	1 Hoppi	ng Emis	-4.01 dBm 05000 GHz
Band Spectrum Ref Level Att SGL Count ● 1Pk Max	d Edge(n 20.00 dBm 25 dB	Offset 10).35 dB 👄 🖡	T 2-DH5	2480W ² Mode / M	Auto FFT	1 Hoppi	ng Emis 2.477	ssion -4.01 dBm
Band Spectrum Ref Level Att SGL Count PIPk Max 10 dBm-	d Edge(n 20.00 dBm 25 dB	Offset 10).35 dB 👄 🖡	T 2-DH5	2480W ² Mode / M	Auto FFT	1 Hoppi	ng Emis 2.477	-4.01 dBm 05000 GHz -55.46 dBm
Band Spectrun Ref Level Att SGL Count IPk Max	d Edge(n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 22).35 dB 👄 🖡	T 2-DH5	2480W ² Mode / M	Auto FFT	1 Hoppi	ng Emis 2.477	-4.01 dBm 05000 GHz -55.46 dBm
Band Spectrum Ref Level Att SGL Count PIPK Max 10 dBm- Ud dBm-	d Edge(n 20.00 dBm 25 dB	Offset 10 SWT 22).35 dB 👄 🖡	T 2-DH5	2480W ² Mode / M	Auto FFT	1 Hoppi	ng Emis 2.477	-4.01 dBm 05000 GHz -55.46 dBm
Band Spectrun Ref Level Att SGL Count SGL Count I D dBm I D dBm I D dBm -20 cBm	d Edge(n	Offset 10 SWT 22).35 dB 👄 🖡	T 2-DH5	2480W ² Mode / M	Auto FFT	1 Hoppi	ng Emis 2.477	-4.01 dBm 05000 GHz -55.46 dBm
Band Spectrum Ref Level Att SGL Count PIPK Max 10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm	d Edge(n	Offset 10 SWT 22	2.35 dB • F 27.5 μs • N	Т 2-DH5	2480W	Auto FFT 1[1] 2[1]		2.477 2.483	-4.01 dBm 05000 GHz 55.46 dBm 850000 GHz
Band Spectrum Ref Level Att SGL Count SGL Count 10 dBm 10 dBm -20 dBm -30 dBm -40 dBm	d Edge(n	Offset 10 SWT 22	2.35 dB • F 27.5 μs • N	T 2-DH5	2480W ² Mode / M	Auto FFT 1[1] 2[1]		ng Emis 2.477	-4.01 dBm 205000 GHz 55.46 dBm 50000 GHz
Band Spectrun Ref Level Att SGL Count IPk Max 10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm	d Edge(n	Offset 10 SWT 22	2.35 dB • F 27.5 μs • N	Т 2-DH5	2480W	Auto FFT 1[1] 2[1]		2.477 2.483	-4.01 dBm 05000 GHz 55.46 dBm 850000 GHz
Band Spectrum Ref Level Att SGL Count PIPK Max 10 dBm -20 cBm -20 cBm -30 dBm -40 dBm -50 dBm -50 dBm	D1 -23.941	Offset 10 SWT 22	2.35 dB • F 27.5 μs • N	Т 2-DH5	2480W	Auto FFT 1[1] 2[1]		2.477 2.483	-4.01 dBm 05000 GHz 55.46 dBm 850000 GHz
Band Spectrun Ref Level Att SGL Count IPK Max 10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm -70 dBm -70 dBm	d Edge(n 20.00 dBm 25 dB 1200/1200	dBm	0.35 dB • Γ 27.5 μs • Ν	T 2-DH5	2480W	Auto FF T		2.477 2.483	-4.01 dBm 05000 GHz 55.46 dBm 55.000 GHz 2.576 GHz
Band Spectrum Ref Level Att SGL Count PIC dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm	d Edge(n 20.00 dBm 25 dB 1200/1200	Offset 10 SWT 2: dBm dBm x-value X-value 2.4771	0.35 dB • Γ 27.5 μs • Ν	T 2-DH5	2480W	Auto FF T		2.477 2.483	-4.01 dBm 05000 GHz 55.46 dBm 55.000 GHz 2.576 GHz



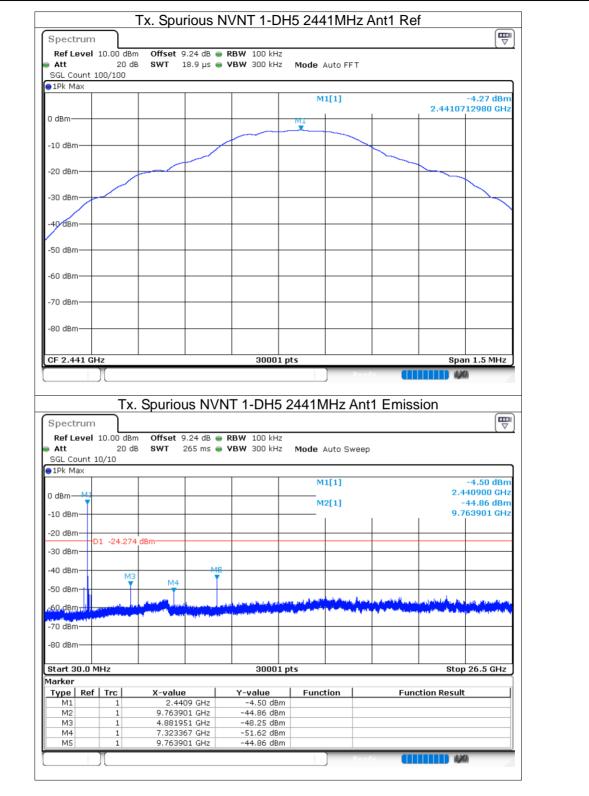
8.1.9 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-40.04	-20	Pass
NVNT	1-DH5	2441	Ant1	-40.59	-20	Pass
NVNT	1-DH5	2480	Ant1	-41.76	-20	Pass
NVNT	2-DH5	2402	Ant1	-37.94	-20	Pass
NVNT	2-DH5	2441	Ant1	-40.93	-20	Pass
NVNT	2-DH5	2480	Ant1	-41.41	-20	Pass



		_	17. 3		NVNT 1-DF	15 240			I	
Spect										
Ref L Att	.evel	10.00			• RBW 100 kHz					
	ount 1	20 100/100		18'A hz 🖷	• • • • • • • • • • • • • • • • • • •	Mode A	Uto FF I			
∎1Pk M	lax									
						MI	[1]		2 4020	-3.82 dBm 617480 GHz
0 dBm-						M1			2.4020	017400 GH2
						-	~			
-10 dBr	n									
				_					<u> </u>	
-20 dBr	n									
-30 dBr	n									
-40 dBr	n									
-50 dBr	n-+									<u> </u>
-60 dBr	n——									
-70 dBr	n									
, o ab.										
-80 dBr	n		_							
CF 2.4	-02 GF	Ηz	•		30001 (ots			Spa	an 1.5 MHz
CF 2.4	02 GH][x. Spur	ious NV	30001		Prod IHz Ant	1 Emiss		an 1.5 MHz
Spect	trum][]			NT 1-DH5		Peed IHz Ant	1 Emiss		an 1.5 MHz) Ø
Spect Ref L	trum][]	iBm Offse	et 9.07 dB 🖷	NT 1-DH5	2402M		1 Emiss		
Spect	trum .evel	10.00		et 9.07 dB 🖷	NT 1-DH5	2402M	Road IHz Ant uto Sweep	1 Emiss		
Spect Ref L Att SGL C	trum .evel	10.00	iBm Offse	et 9.07 dB 🖷	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss		
Spect Ref L Att SGL CI 1Pk M	trum .evel ount 1 lax	10.00	iBm Offse	et 9.07 dB 🖷	NT 1-DH5	2402M Mode A		1 Emiss	sion	-3.78 dBm
Spect Ref L Att SGL CI 1Pk M	trum .evel ount 1 lax	10.00	iBm Offse	et 9.07 dB 🖷	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss	sion	
Spect RefL Att SGL Co 1Pk M	trum evel ount 1 lax	10.00	iBm Offse	et 9.07 dB 🖷	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss	sion 2.4	-3.78 dBm 402070 GHz
Spect Ref L Att SGL Cr 1Pk M 0 dBm- -10 dBr	trum evel ount 1 lax	T 10.00 20 10/10	dBm Offse dB SWT	et 9.07 dB 🖷	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss	sion 2.4	-3.78 dBm 402070 GHz -43.87 dBm
Spect Ref L Att SGL C 1Pk M 0 dBm- -10 dBr -20 dBr	trum evel lax M1 n	T 10.00 20 10/10	iBm Offse	et 9.07 dB 🖷	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss	sion 2.4	-3.78 dBm 402070 GHz -43.87 dBm
Spect Ref L SGL Co 1Pk M 0 dBm- -10 dBr -20 dBr -30 dBr	trum evel lax m m c n	T 10.00 20 10/10	dBm Offse dB SWT	et 9.07 dB 🖷	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss	sion 2.4	-3.78 dBm 402070 GHz -43.87 dBm
Spect Ref L Att SGL C 1Pk M 0 dBm- -10 dBr -20 dBr -30 dBr	trum evel ount 1 lax n n n	T 10.00 20 10/10	dBm Offse dB SWT	et 9.07 dB 265 ms	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss	sion 2.4	-3.78 dBm 402070 GHz -43.87 dBm
Spect Ref L SGL Cr J1Pk M 0 dBm- -10 dBm -20 dBr -30 dBr -40 dBr	trum evel ount 1 lax n n n	T 10.00 20 10/10	dBm Offse dB SWT	et 9.07 dB 265 ms	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss	sion 2.4	-3.78 dBm 402070 GHz -43.87 dBm
Spect Att SGL Co IPk M 0 dBm- -10 dBr -20 dBr -30 dBr -40 dBr	trum evel ount 1 lax m n n n	T 10.00 20 10/10	dBm Offse dB SWT	et 9.07 dB 265 ms	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss	sion 2.4	-3.78 dBm 402070 GHz -43.87 dBm
Spect Ref L SGL Cr SGL Cr SGL Cr SGL Cr SGL Cr SGL Cr SGL Cr SSGL CR S	trum evel ount 1 lax m n n n n n	T 10.00 20 10/10	dBm Offse dB SWT	et 9.07 dB 265 ms	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss	sion 2.4	-3.78 dBm 402070 GHz -43.87 dBm
Spect Ref L SGL C. 1Pk M 0 dBm- -10 dBr -20 dBr -30 dBr -40 dBr -50 dBr -50 dBr -50 dBr	trum evel lax M1 n n n n n n n n n n n n n n n n n n	T 10.00 20 10/10	dBm Offse dB SWT	et 9.07 dB 265 ms	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss	sion 2.4	-3.78 dBm 402070 GHz -43.87 dBm
Spect Reft SGL C. 1Pk M 0 dBm- -10 dBr -20 dBr -20 dBr -30 dBr -40 dBr -50 dBr -50 dBr -50 dBr	trum evel lax M1 n n n n n n n n n n n n n n n n n n	T 10.00 20 10/10	dBm Offse dB SWT	et 9.07 dB 265 ms	NT 1-DH5	2402M Mode A	uto Sweep	1 Emiss	sion 2.4	-3.78 dBm 402070 GHz -43.87 dBm
Spect Ref L SGL Cr 1Pk M 0 dBm- -10 dBr -20 dBr -20 dBr -30 dBr -50 dBr -50 dBr -50 dBr -60 dBr -80 dBr	trum evel ount 1 lax n n n n n n n n n n n n n n n n n n n	10.00 2(10.0/10	dBm Offse dB SWT	et 9.07 dB 265 ms	NT 1-DH5	2402M	uto Sweep	1 Emiss	sion 2 9.1	-3.78 dBm 402070 GHz -43.87 dBm
Spect Ref L SGL CA J IPK M 0 dBm- -10 dBr -20 dBr -30 dBr -30 dBr -50 dBr -50 dBr -50 dBr -50 dBr -50 dBr -50 dBr -80 dBr -80 dBr	trum evel ount 1 lax n n n n n n n n n n n n n n n n n n n	10.00 2(10.0/10	dBm Offse dB SWT	et 9.07 dB 265 ms	NT 1-DH5	2402M	uto Sweep	1 Emiss	sion 2 9.1	-3.78 dBm 402070 GHz -43.87 dBm 607728 GHz
Spect Ref L SGL C: 1Pk M 1Pk M 0 dBm- -10 dBr -20 dBr -20 dBr -30 dBr -40 dBr -50	trum ount 1 lax n n n n n n n n n n n n n n n n n n n	10.00 20 00/10 01 -23.	IBm Offse dB SWT	at 9.07 dB 265 ms	NT 1-DH5	And the second s	uto Sweep		sion 2 9.1	-3.78 dBm 402070 GHz -43.87 dBm 607728 GHz
Spect Ref L SGL CT 1Pk M 0 dBm -10 dBr -20 dBr -30 dBr -30 dBr -50 dBr -50 dBr -60 dBr -80 dBr -80 dBr -80 dBr	trum evel lax m n n n n n n n n n n n n n n n n n n	10.00 20 10.0/10 01 -23.	IBm Offse dB SWT	et 9.07 dB 265 ms	NT 1-DH5	And the second s	uto Sweep		2 9.1	-3.78 dBm 402070 GHz -43.87 dBm 607728 GHz
Att SGL C: SGL C: S	trum evel ount 1 n n n n n n n n n n n n n n n n n n n	10.00 20 10.0/10 01 -23. 1Hz 1Hz	IBm Offse dB SWT	et 9.07 dB 265 ms	NT 1-DH5	And the second s	uto Sweep		2 9.1	-3.78 dBm 402070 GHz -43.87 dBm 607728 GHz
Spect Ref L SGL Cr -10 dBr -10 dBr -20 dBr -30 dBr -30 dBr -30 dBr -50 dBr -50 dBr -50 dBr -50 dBr -50 dBr -50 dBr -70 dBr -80 dBr -90	trum evel lax n n n n n n n n n Ref	10.00 2(10/10) 0)1 -23. 0)1 -2	IBm Offse dB SWT	et 9.07 dB 265 ms 	NT 1-DH5	And the second s	uto Sweep		2 9.1	-3.78 dBm 402070 GHz -43.87 dBm 607728 GHz
Spect Ref L SGL C: SGL	trum evel lax n n n n n n n n n Ref	10.00 20 00/10 01 -23, 1Hz 1Hz	IBm Offse dB SWT	at 9.07 dB 265 ms 14 14 14 14 14 14 14 14 14 14	NT 1-DH5	And the second s	uto Sweep		2 9.1	-3.78 dBm 402070 GHz -43.87 dBm 607728 GHz







Spectrum Ref Level 1 Att SGL Count 10	20 dB			RBW 100 kHz VBW 300 kHz		Auto FFT			
⊖1Pk Max									
					м	1[1]		2 4709	-5.11 dBm 974030 GHz
0 dBm				M1				2.4790	974030 GH2
				-					
-10 dBm				1 +		-			
-20 dBm		~							
-30 dBm									
-40 dBm				++					
-50 dBm									
-60 dBm									
-70 dBm									
-80 dBm									
CF 2.48 GHz	С Тх.	Spuriou	ıs NVN	30001 T 1-DH5) Real	t Emis		an 1.5 MHz
Spectrum Ref Level 1 Att	.0.00 dBm 20 dB	Offset 9	.07 dB 👄 F		2480N				
Spectrum Ref Level 1 Att SGL Count 10	.0.00 dBm 20 dB	Offset 9	.07 dB 👄 F	T 1-DH5	2480N				
Spectrum Ref Level 1 Att SGL Count 10	.0.00 dBm 20 dB	Offset 9	.07 dB 👄 F	T 1-DH5	2480M			sion	-6.02 dBm
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max	.0.00 dBm 20 dB	Offset 9	.07 dB 👄 F	T 1-DH5	2480N Mode ,	Auto Sweep 1[1]		sion	-6.02 dBm 479720 GHz
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max	.0.00 dBm 20 dB	Offset 9	.07 dB 👄 F	T 1-DH5	2480N Mode ,	Auto Sweep		sion 2.	-6.02 dBm
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm	.0.00 dBm 20 dB	Offset 9	.07 dB 👄 F	T 1-DH5	2480N Mode ,	Auto Sweep 1[1]		sion 2.	-6.02 dBm 479720 GHz -46.88 dBm
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm D1	.0.00 dBm 20 dB	Offset 9 SWT 2	.07 dB 👄 F	T 1-DH5	2480N Mode ,	Auto Sweep 1[1]		sion 2.	-6.02 dBm 479720 GHz -46.88 dBm
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm	0.00 dBm 20 dB 1/10	Offset 9 SWT 2	.07 dB 👄 F	T 1-DH5	2480N Mode ,	Auto Sweep 1[1]		sion 2.	-6.02 dBm 479720 GHz -46.88 dBm
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm D1	0.00 dBm 20 dB 1/10	Offset 9 SWT 2	.07 dB 👄 F	T 1-DH5	2480N Mode ,	Auto Sweep 1[1]		sion 2.	-6.02 dBm 479720 GHz -46.88 dBm
Spectrum Ref Level 1 Att SGL Count 10 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	0.00 dBm 20 dB //10	Offset 9 SWT 2	.07 dB 🕳 F	T 1-DH5	2480M Mode / M	Auto Sweep		2. 4.	-6.02 dBm 479720 GHz -46.88 dBm
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	0.00 dBm 20 dB //10	Offset 9 SWT 2	.07 dB 🕳 F	T 1-DH5	2480N Mode ,	Auto Sweep 1[1] 2[1]		sion 2.	-6.02 dBm 479720 GHz -46.88 dBm
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	0.00 dBm 20 dB //10	Offset 9 SWT 2	.07 dB 🕳 F	T 1-DH5	2480M Mode / M	Auto Sweep		2. 4.	-6.02 dBm 479720 GHz -46.88 dBm
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm	0.00 dBm 20 dB //10	Offset 9 SWT 2	.07 dB 🕳 F	T 1-DH5	2480M Mode / M	Auto Sweep		2. 4.	-6.02 dBm 479720 GHz -46.88 dBm
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm	0.00 dBm 20 dB //10	Offset 9 SWT 2	.07 dB 🕳 F	T 1-DH5	2480M Mode / M	Auto Sweep		2. 4.	-6.02 dBm 479720 GHz -46.88 dBm
Spectrum Ref Level 1 Att SGL Count 10 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm	0.00 dBm 20 dB 1/10	Offset 9 SWT 2	.07 dB 🕳 F	T 1-DH5	2480M Mode / M	Auto Sweep		2. 4.	-6.02 dBm 479720 GHz -46.88 dBm
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm Start 30.0 MH	0.00 dBm 20 dB //10	Offset 9 SWT 2 dBm M4	.07 dB 265 ms	T 1-DH5	2480M Mode / M m pts	Auto Sweep		2. 4.	-6.02 dBm 479720 GHz -46.88 dBm 959596 GHz
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm	0.00 dBm 20 dB //10	Offset 9 SWT 2 dBm M4	.07 dB 265 ms	T 1-DH5	2480M Mode / M 	Auto Sweep		2. 4.	-6.02 dBm 479720 GHz -46.88 dBm 959596 GHz
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm Btart 30.0 MH Marker Type M1	0.00 dBm 20 dB //10 25.105.105.105.105.105.105.105.105.105.10	Offset 9 SWT 2 dBm M4 M4 X-value 2.4797 4.95955	.07 dB • F 265 ms • V 	T 1-DH5 RBW 100 kHz yBW 300 kHz 300 kHz 300 kHz -6.02 dBm -6.02 dBm -46.88 dBm -46.	2480M Mode / M M m m m	Auto Sweep		2. 4.	-6.02 dBm 479720 GHz -46.88 dBm 959596 GHz
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm -90 dBm -90 dBm -90 dBm -90 dBm -90 dBm	0.00 dBm 20 dB //10 	Offset 9 SWT 2 dBm M4 M4 X-value 2.4797 4.95955 4.95955	.07 dB 265 ms X5 X5 X65 X5 X65 X5 X65 X65 X	T 1-DH5 RBW 100 kHz yBW 300 kHz 300 kHz	2480M Mode / M m m m pts Func n n n	Auto Sweep		2. 4.	-6.02 dBm 479720 GHz -46.88 dBm 959596 GHz
Spectrum Ref Level 1 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm Btart 30.0 MH Marker Type M1	0.00 dBm 20 dB //10 25.105.105.105.105.105.105.105.105.105.10	Offset 9 SWT 2 dBm M4 M4 X-value 2.4797 4.95955	.07 dB 265 ms X5 X5 X5 X5 X5 X5 X5 X	T 1-DH5 RBW 100 kHz yBW 300 kHz 300 kHz 300 kHz -6.02 dBm -6.02 dBm -46.88 dBm -46.	2480M Mode / M 	Auto Sweep		2. 4.	-6.02 dBm 479720 GHz -46.88 dBm 959596 GHz



Spectrum										J.
Ref Level 1				RBW 100 kHz						-
SGL Count 10	20 dE 10/100	8 SWT 18	3.9 hz 👄	VBW 300 kHz	Mode Au	ito FFT				
●1Pk Max	,									1
					M1[[1]			-5.74 dBm	
0 dBm								2.4020	761970 GHz	
0 0.0.11					M1					
-10 dBm			\sim		~ \		~~~~			
-20 dBm										·
										1
-30 dBm										1
40 dBm										
10 dbiii										
-50 dBm										
-60 dBm				+ +						1
-70 d8m										
-70 dBm										
-80 dBm										
		Spuriou	s NVN	30001 30001		Ready Hz Ant1	Emiss) W	an 1.5 MHz	
Spectrum	Тх.			IT 2-DH5	2402MI	Peorly Hz Ant1	Emiss) W	an 1.5 MHz]
Spectrum Ref Level 1	Тх.	n Offset 9.	07 dB 👄		2402MI		Emiss) W	9]
Spectrum Ref Level 1 Att SGL Count 10	Tx.	n Offset 9.	07 dB 👄	IT 2-DH5 RBW 100 kH2	2402MI		Emiss) W	9]
Spectrum Ref Level 1 Att SGL Count 10	Tx.	n Offset 9.	07 dB 👄	IT 2-DH5 RBW 100 kH2	2402MI	ito Sweep	Emiss) W		
● Att SGL Count 10 ●1Pk Max	Tx.	n Offset 9.	07 dB 👄	IT 2-DH5 RBW 100 kH2	2402MI	ito Sweep	Emiss	ion	9	
Spectrum Ref Level 12 Att SGL Count 11 JPk Max 0 dBm	Tx.	n Offset 9.	07 dB 👄	IT 2-DH5 RBW 100 kH2	2402MI	ito Sweep	Emiss	ion 2.4	-6.10 dBm 402070 GHz -43.69 dBm	
Spectrum Ref Level 3 Att SGL Count 10 PIPk Max 0 dBm MI -10 dBm	Tx.	n Offset 9.	07 dB 👄	IT 2-DH5 RBW 100 kH2	2402MI Mode Au	ito Sweep	Emiss	ion 2.4	-6.10 dBm 402070 GH2	
Spectrum Ref Level 2 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm	Tx. 10.00 dBm 20 dE 0/10	n Offset 9. 3 SWT 20	07 dB 👄	IT 2-DH5 RBW 100 kH2	2402MI Mode Au	ito Sweep	Emiss	ion 2.4	-6.10 dBm 402070 GHz -43.69 dBm	
Spectrum Ref Level 12 Att SGL Count 1(1Pk Max 0 dBm -10 dBm -20 dBm	Tx.	n Offset 9. 3 SWT 20	07 dB 👄	IT 2-DH5 RBW 100 kH2	2402MI Mode Au	ito Sweep	Emiss	ion 2.4	-6.10 dBm 402070 GHz -43.69 dBm	
Spectrum Ref Level 12 Att SGL Count 1(1Pk Max 0 dBm -10 dBm -20 dBm	Tx. Tx. 10.00 dBm 20 dE 0/10 1 -25.741	n Offset 9. 3 SWT 20	07 dB 👄	IT 2-DH5 RBW 100 kH2	2402MI Mode Au	ito Sweep	Emiss	ion 2.4	-6.10 dBm 402070 GHz -43.69 dBm	
Spectrum Ref Level 3 Att SGL Count 10 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 10.00 dBm 20 dE 0/10	dBm M4	07 dB 🖷	IT 2-DH5 RBW 100 kH2	2402MI Mode Au	ito Sweep	Emiss	ion 2.4	-6.10 dBm 402070 GHz -43.69 dBm	
Spectrum Ref Level 3 Att SGL Count 1(DIPk Max 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm	Tx. Tx. 10.00 dBm 20 dE 0/10 1 -25.741 M3	B Offset 9. SWT 20	07 dB 🖷	IT 2-DH5 RBW 100 kH2	2402MI Mode Au	ito Sweep	Emiss	ion 2.4	-6.10 dBm 402070 GHz -43.69 dBm	
Spectrum Ref Level 3 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm	Tx. Tx. 10.00 dBm 20 dE 0/10 1 -25.741 M3	dBm M4	07 dB 🖷	IT 2-DH5 RBW 100 kH2	2402MI Mode Au	ito Sweep	Emiss	ion 2.4	-6.10 dBm 402070 GHz -43.69 dBm	
Spectrum Ref Level 3 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm	Tx. Tx. 10.00 dBm 20 dE 0/10 1 -25.741 M3	dBm M4	07 dB 🖷	IT 2-DH5 RBW 100 kH2	2402MI Mode Au	ito Sweep	Emiss	ion 2.4	-6.10 dBm 402070 GHz -43.69 dBm	
Spectrum Ref Level 3 Att SGL Count 10 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm	Tx. Tx. 10.00 dBm 20 dE 0/10 1 -25.741 M3	dBm M4	07 dB 🖷	IT 2-DH5 RBW 100 kH2	2402MI Mode Au	ito Sweep	Emiss	ion 2.4	-6.10 dBm 402070 GHz -43.69 dBm	
Spectrum Ref Level 3 Att SGL Count 10 PIPK Max 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -80 dBm	Tx. 10.00 dBm 20 dE 0/10 1 -25.741	dBm M4	07 dB 🖷	JT 2-DH5	2402Mł 2 Mode Au M1[ito Sweep	Emiss	2 9.0	-6.10 dBm t02070 GHz -43.69 dBm 607728 GHz	
Spectrum Ref Level Att SGL Count IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -80 dBm -80 dBm	Tx. 10.00 dBm 20 dE 0/10 1 -25.741	dBm M4	07 dB 🖷	IT 2-DH5 RBW 100 kH2	2402Mł 2 Mode Au M1[ito Sweep	Emiss	2 9.0	-6.10 dBm 402070 GHz -43.69 dBm	
Spectrum Ref Level 3 Att SGL Count 10 PIPk Max 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm -80 dBm Start 30.0 M Marker Type Ref	Tx. 10.00 dBm 20 dE 3/10 1 -25.741 M3 M3 Hz Hz	dBm	07 dB 65 ms M9	JT 2-DH5 RBW 100 kHz VBW 300 kHz	2402Mł	110 Sweep		2 9.0	-6.10 dBm +02070 GHz -43.69 dBm 507728 GHz	
Spectrum Ref Level 3 SGL Count 10 PIPK Max 0 dBm	Tx. 10.00 dBn 20 dE 0/10 1 -25.741 M3 Hz Hz Trc 1 1	 Offset 9. SWT 20 dBm dBm M4 iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	07 dB	JT 2-DH5 RBW 100 kHz VBW 300 kHz S00 k	2402Mł	110 Sweep		ion 2 9.0	-6.10 dBm +02070 GHz -43.69 dBm 507728 GHz	
Spectrum Ref Level Att SGL Count 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -80 dBm Start 30.0 M Marker Type Ref M1 M2 M3	Tx. Tx. 20 dBm 20 d	dBm	07 dB 65 ms	JT 2-DH5 RBW 100 kH2 VBW 300 kH2	2402Mi Mode Au M1[M2[M2	110 Sweep		ion 2 9.0	-6.10 dBm +02070 GHz -43.69 dBm 507728 GHz	
Spectrum Ref Level SGL Count IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60, dBm,	Tx. Tx. 10.00 dBm 20 dE 0/10 1 -25.741 M3 Hz Hz Trc 1 1	A Offset 9. SWT 20 CONTENT	07 dB 65 ms	JT 2-DH5 RBW 100 kH2 VBW 300 kH2 VBW 300 kH2 3000 kH2 Comparison of the second	2402Mł	110 Sweep		ion 2 9.0	-6.10 dBm +02070 GHz -43.69 dBm 507728 GHz	







Spectrum Ref Level Att SGL Count 1 1Pk Max	20 dB			BW 100 kHz BW 300 kHz	Mode Au	uto FFT			
● TPK Max					M1	[1]		2,4800	-5.53 dBm 420990 GHz
0 dBm					M1				
-10 dBm						~			
-20 dBm									
-30 dBm									
40 dBm									
-50 dBm									+
-60 dBm									
-70 dBm									
-80 dBm									
CF 2.48 GHz)[Spurious	s NVN	30001 T 2-DH5		Read Hz Ant'	1 Emiss		an 1.5 MHz
CF 2.48 GHz Spectrum Ref Level Att SGL Count 1	Tx. 10.00 dBm 20 dB	Offset 9.0)7 dB 👄 R] 2480M		1 Emiss		an 1.5 MHz) 20 20 20 20 20 20 20 20
Spectrum Ref Level Att	Tx. 10.00 dBm 20 dB	Offset 9.0)7 dB 👄 R	T 2-DH5	2480M Mode Au	uto Sweep	1 Emiss		
Spectrum Ref Level Att SGL Count 1 IPk Max 0 dBm	Tx. 10.00 dBm 20 dB	Offset 9.0)7 dB 👄 R	T 2-DH5	2480M	uto Sweep [1]	1 Emiss	sion	
Spectrum Ref Level Att SGL Count 1 IPk Max 0 dBm -10 dBm	Tx. 10.00 dBm 20 dB	Offset 9.0)7 dB 👄 R	T 2-DH5	2480M Mode Au	uto Sweep [1]	1 Emiss	sion 2.	-9.59 dBm 479720 GHz
Spectrum Ref Level Att SGL Count 1 PIPK Max 0 dBm -10 dBm -20 dBm	Tx. 10.00 dBm 20 dB	Offset 9.0 SWT 26)7 dB 👄 R	T 2-DH5	2480M	uto Sweep [1]	1 Emiss	sion 2.	-9.59 dBm 479720 GHz -46.94 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm	Tx. Tx. 10.00 dBm 20 dB 0/10	Offset 9.0 SWT 26	07 dB 👄 R 5 ms 🖶 V	T 2-DH5	2480M	uto Sweep [1]	1 Emiss	sion 2.	-9.59 dBm 479720 GHz -46.94 dBm
Spectrum Ref Level Att SGL Count 1 • 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm	Tx. Tx. 10.00 dBm 20 dB 0/10	Offset 9.0 SWT 26)7 dB 👄 R	T 2-DH5	2480M	(1)	1 Emiss	2. 9.	-9.59 dBm 479720 GHz -46.94 dBm
Spectrum Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Tx. Tx. 10.00 dBm 20 dB 0/10 1 -25.530 M3	Offset 9.0 SWT 26	07 dB 👄 R 5 ms 🖶 V	T 2-DH5	2480M	uto Sweep [1]	1 Emiss	sion 2.	-9.59 dBm 479720 GHz -46.94 dBm
Spectrum Ref Level Att SGL Count 1 9 IPK Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. Tx. 10.00 dBm 20 dB 0/10 1 -25.530 M3	Offset 9.0 SWT 26	07 dB 👄 R 5 ms 🖶 V	T 2-DH5	2480M	(1)		2. 9.	-9.59 dBm 479720 GHz -46.94 dBm
Spectrum Ref Level Att SGL Count 1 • 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Tx. Tx. 10.00 dBm 20 dB 0/10 1 -25.530 M3	Offset 9.0 SWT 26	07 dB 👄 R 5 ms 🖶 V	T 2-DH5	2480M	(1)		2. 9.	-9.59 dBm 479720 GHz -46.94 dBm
Spectrum Ref Level Att SGL Count 1 PIPk Max 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -80 dBm Start 30.0 M	Tx. Tx. 10.00 dBm 20 dB 0/10 1 -25.530 M3	Offset 9.0 SWT 26	07 dB 👄 R 5 ms 🖶 V	T 2-DH5	2480M	(1)		2. 9.	-9.59 dBm 479720 GHz -46.94 dBm
Spectrum Ref Level Att SGL Count 1 TPK Max 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm -50 dBm -50 dBm -60 dBm -70 dBm -70 dBm -70 dBm -70 dBm -80	Tx. Tx. 10.00 dBm 20 dB 0/10 1 -25.530 M3 Hz Hz	Offset 9.0 SWT 26	17 dB ● R 5 ms ● V M8	T 2-DH5 BW 100 kHz BW 300 kHz	2480M	(1) [1]		2. 9.	-9.59 dBm 479720 GHz -46.94 dBm 920074 GHz
Spectrum Ref Level Att SGL Count 1 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm -80 dBm -90 dBm <t< td=""><td>Tx. Tx. 10.00 dBm 20 dB 0/10 1 -25.530 M3 Hz Hz Trc 1 1</td><td>Offset 9.0 SWT 26</td><td>M8 M8 GHz GHz GHz</td><td>T 2-DH5 BW 100 kHz BW 300 kHz BW</td><td>2480M</td><td>(1) [1]</td><td></td><td>2. 9.</td><td>-9.59 dBm 479720 GHz -46.94 dBm 920074 GHz</td></t<>	Tx. Tx. 10.00 dBm 20 dB 0/10 1 -25.530 M3 Hz Hz Trc 1 1	Offset 9.0 SWT 26	M8 M8 GHz GHz GHz	T 2-DH5 BW 100 kHz BW 300 kHz BW	2480M	(1) [1]		2. 9.	-9.59 dBm 479720 GHz -46.94 dBm 920074 GHz
Spectrum Ref Level Att SGL Count 1 IPK Max 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60.dBm -70 dBm -80 dBm -80 dBm -70 dBm -80 dBm -80 dBm -70 dBm	Tx. 10.00 dBm 20 dB 0/10 1 -25.530 M3 M3 Hz Hz Trc 1 1	Offset 9.0 SWT 26	17 dB ● R 5 ms ● Y WS WS GHz GHz GHz GHz GHz	T 2-DH5 BW 100 kHz BW 300 kHz BW	2480M	(1) [1]		2. 9.	-9.59 dBm 479720 GHz -46.94 dBm 920074 GHz