



RADIO TEST REPORT FCC ID: ZSW-30-125

Product:	Mobile phone
Trade Mark:	Bmobile
Model No.:	BL63
Family Model:	N/A
Report No.:	S23030102801001
Issue Date:	27 Mar. 2023

Prepared for

b mobile HK Limited

Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong, China

Prepared by

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Report No.: S23030102801001

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NUMBER OF HOPPING CHANNEL HOPPING CHANNEL SEPARATION MEASUREMENT AVERAGE TIME OF OCCUPANCY (DWELL TIME) 20DB BANDWIDTH TEST PEAK OUTPUT POWER CONDUCTED BAND EDGE MEASUREMENT SPURIOUS RF CONDUCTED EMISSION 0 ANTENNA APPLICATION 1 FREQUENCY HOPPING SYSTEM (FHSS) EQUIPMENT REQUIREMENTS	16 25 26 27 29 30 31 32 33 34
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-20DB BANDWIDTH OCCUPIED CHANNEL BANDWIDTH CARRIER FREQUENCIES SEPARATION NUMBER OF HOPPING CHANNEL BAND EDGE BAND EDGE (HOPPING)	45 51 57 63 69 72 79
	FACILITIES. LABORATORY ACCREDITATIONS AND LISTINGS MEASUREMENT UNCERTAINTY. GENERAL DESCRIPTION OF EUT





1 TEST RESULT CERTIFICATION

b mobile HK Limited
Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong, China
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Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong, China
Mobile phone
BL63
N/A
S230301028001

Measurement Procedure Used:

APPLICABLE STANDARDS STANDARD/ TEST PROCEDURE TEST RESULT FCC 47 CFR Part 2, Subpart J ECC 47 CFR Part 15, Subpart C. Complied

FCC 47 CFR Part 15, Subpart C	
ANSI C63.10-2013	

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test 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.

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

Date of Test	:	01 Mar. 2023 ~ 27 Mar. 2023
Testing Engineer	:	Den lin
		(Allen Liu)
Authorized Signatory	:	Aless
		(Alex Li)



SUMMARY OF TEST RESULTS 2

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
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%



4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification		
Equipment	Mobile phone	
Trade Mark	Bmobile	
FCC ID	ZSW-30-125	
Model No.	BL63	
Family Model	N/A	
Model Difference	N/A	
Operating Frequency	2402MHz~2480MHz	
Modulation	GFSK, π/4-DQPSK, 8-DPSK	
Number of Channels	79 Channels	
Antenna Type	PIFA Antenna	
Antenna Gain	0.83dBi	
Power supply	DC 3.8V/3000mAh from battery or DC 5V from Adapter.	
Adapter	INPUT: AC 100-240V~50-60Hz 0.2A OUTPUT: DC 5.0V1A	
HW Version	Bmobile_BL63_HW_V1.0	
SW Version	Bmobile_BL63_TIGO_SV_V001	

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.





Revision History

Revision history			
Report No.	Version	Description	Issued Date
S23030102801001	Rev.01	Initial issue of report	27 Mar. 2023





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; 3Mbps for 8-DPSK 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	
Nate: AC newspling Conducted Environment to the day requirement of the transfer		

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)			

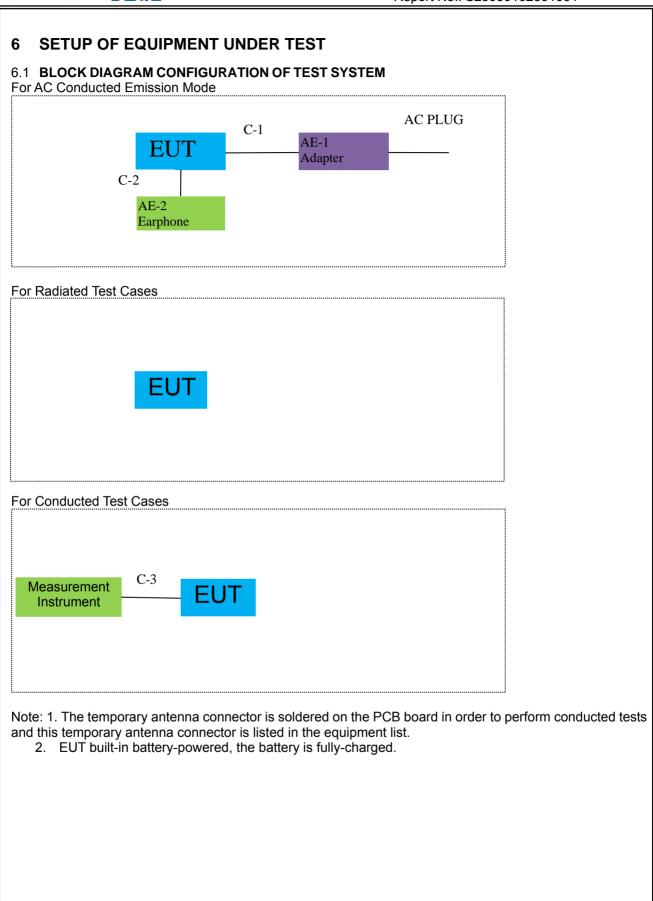
Note: For radiated test cases, the worst mode data rate 3Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

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.











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
AE-1	Adapter	N/A	N/A	Peripherals
AE-2	Earphone	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	USB Cable	YES	NO	1.0m
C-2	Earphone Cable	NO	NO	1.2m
C-3	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

addadd	JIN CONDUCTED	cor equipment					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2022.04.06	2023.04.05	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2022.04.06	2023.04.05	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2022.04.06	2023.04.05	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	2022.06.16	2023.06.15	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	2022.06.16	2023.06.15	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	2020.05.11	2023.05.10	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2020.05.11	2023.05.10	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	2022.02.22	2023.02.21	1 year
16	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

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 Cable (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

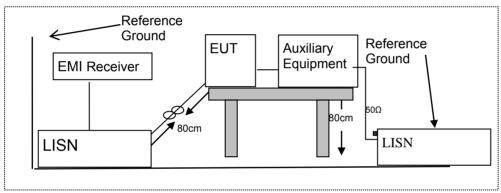
	Conducted	Emission Limit
Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56*	56-46*
0.5-5.0	56	46
5.0-30.0	60	50

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





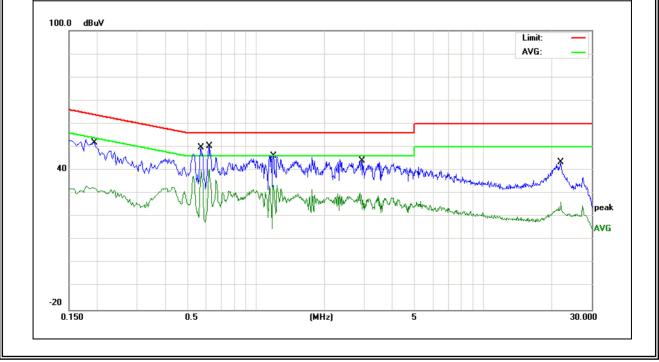
7.1.6 Test Results

EUT:	Mobile phone	Model Name :	BL63
Temperature:	24 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1940	42.37	9.61	51.98	63.86	-11.88	QP
0.1940	22.75	9.61	32.36	53.86	-21.50	AVG
0.5740	40.07	9.67	49.74	56.00	-6.26	QP
0.5740	30.52	9.67	40.19	46.00	-5.81	AVG
0.6220	40.70	9.67	50.37	56.00	-5.63	QP
0.6220	28.51	9.67	38.18	46.00	-7.82	AVG
1.1940	36.56	9.68	46.24	56.00	-9.76	QP
1.1940	23.93	9.68	33.61	46.00	-12.39	AVG
2.9180	34.19	9.73	43.92	56.00	-12.08	QP
2.9180	13.49	9.73	23.22	46.00	-22.78	AVG
21.9420	33.27	10.22	43.49	60.00	-16.51	QP
21.9420	16.03	10.22	26.25	50.00	-23.75	AVG

Remark:

All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.





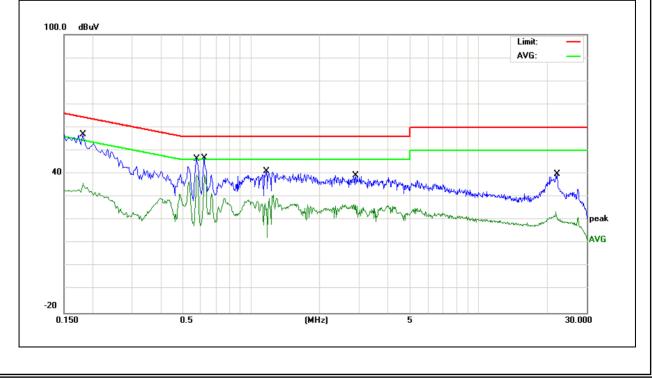


EUT:	Mobile phone	Model Name :	BL63
Temperature:	24 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1819	47.37	9.64	57.01	64.39	-7.38	QP
0.1819	25.94	9.64	35.58	54.39	-18.81	AVG
0.5780	36.78	9.67	46.45	56.00	-9.55	QP
0.5780	29.97	9.67	39.64	46.00	-6.36	AVG
0.6220	37.14	9.67	46.81	56.00	-9.19	QP
0.6220	29.94	9.67	39.61	46.00	-6.39	AVG
1.1660	31.36	9.67	41.03	56.00	-14.97	QP
1.1660	15.08	9.67	24.75	46.00	-21.25	AVG
2.8860	29.45	9.69	39.14	56.00	-16.86	QP
2.8860	16.40	9.69	26.09	46.00	-19.91	AVG
22.2060	29.65	10.18	39.83	60.00	-20.17	QP
22.2060	10.97	10.18	21.15	50.00	-28.85	AVG

Remark:

All readings are Quasi-Peak and Average values.
 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 Fait 13.20	According to FCC Part 15.205, Restricted bands						
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)
r requency(initz)	PEAK	AVERAGE
Above 1000	74	54

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

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. 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.



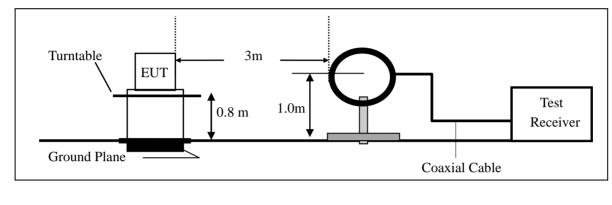


7.2.3 Measuring Instruments

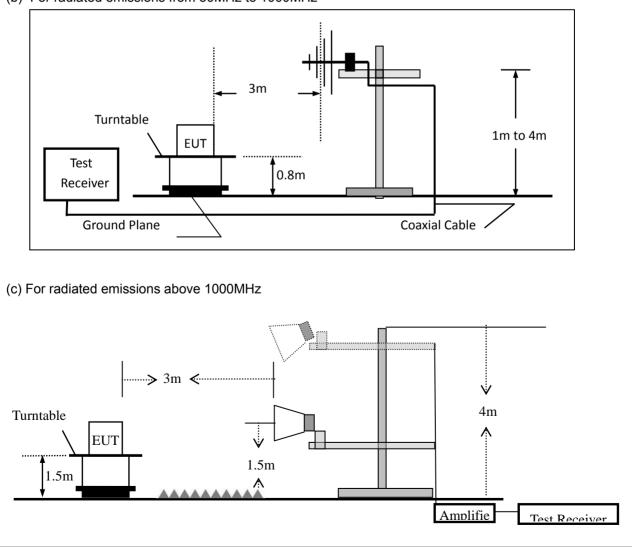
The Measuring equipment is listed in the section 6.3 of this test report.

7.2.4 Test Configuration

(a) For radiated emissions below 30MHz



(b) For radiated emissions from 30MHz to 1000MHz





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 t	est, the Spectrum An	alyzer was set with the follow	ving configurations:
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Abovo 1000	Peak	1 MHz	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

EUT:	Mobile phone	Model No.:	BL63
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Allen Liu

Freq.	Ant.Pol.	Emission L	.evel(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.





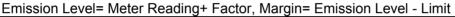
■ Spurious Emission below 1GHz (30MHz to 1GHz)

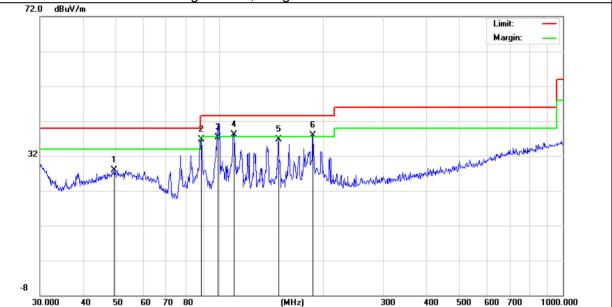
All the modulation modes have been tested, and the worst result was report as below:

EUT:	Mobile phone	Model Name :	BL63
Temperature:	24 ℃	Relative Humidity:	53%
Pressure:	1010hPa	Test Mode:	Mode 1
Test Voltage :	DC 3.8V		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	49.3594	7.10	20.87	27.97	40.00	-12.03	QP
V	88.6524	20.00	16.76	36.76	43.50	-6.74	QP
V	98.8326	18.64	18.66	37.30	43.50	-6.20	QP
V	110.1816	19.73	18.39	38.12	43.50	-5.38	QP
V	148.4410	21.50	15.13	36.63	43.50	-6.87	QP
V	187.0958	20.69	17.26	37.95	43.50	-5.55	QP

Remark:









Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark	
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)		
Н	88.0329	15.67	16.64	32.31	43.50	-11.19	QP	
Н	99.8777	19.03	18.77	37.80	43.50	-5.70	QP	
Н	110.1816	20.01	18.39	38.40	43.50	-5.10	QP	
Н	138.8735	21.95	15.11	37.06	43.50	-6.44	QP	
Н	148.4410	21.55	15.13	36.68	43.50	-6.82	QP	
Н	188.4125	21.68	17.31	38.99	43.50	-4.51	QP	
32			4 5					
	menter and an and an and	mandal	MAAAA	MMPUMMANIA	humangowala.uu			





UT:		Mobile phone			Model N	lo.:	BL63			
emperatur	e:	20 °C)		Relative	tive Humidity: 48%		48%		
est Mode:		Mode	e2/Mode3	/Mode4	Test By	:	Allen L	iu		
					,	orst result				
Frequency	Read Le	evel	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Remark	Commen
(MHz)	(dBµ∨	()	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)		
				Low Channe	el (2402 MHz	:)(8-DPSK)/	Above 1G			
4804.214	64.23	}	5.21	35.59	44.30	60.73	74.00	-13.27	Pk	Vertical
4804.214	41.10)	5.21	35.59	44.30	37.60	54.00	-16.40	AV	Vertical
7206.265	60.39)	6.48	36.27	44.60	58.54	74.00	-15.46	Pk	Vertical
7206.265	43.71		6.48	36.27	44.60	41.86	54.00	-12.14	AV	Vertical
4804.109	61.52	2	5.21	35.55	44.30	57.98	74.00	-16.02	Pk	Horizont
4804.109	43.51		5.21	35.55	44.30	39.97	54.00	-14.03	AV	Horizont
7206.224	63.62	2	6.48	36.27	44.52	61.85	74.00	-12.15	Pk	Horizont
7206.224	48.51		6.48	36.27	44.52	46.74	54.00	-7.26	AV	Horizont
				Mid Channe	el (2441 MHz)(8-DPSK)A	Above 1G			I
4882.396	63.08	3	5.21	35.66	44.20	59.75	74.00	-14.25	Pk	Vertica
4882.396	42.43	3	5.21	35.66	44.20	39.10	54.00	-14.90	AV	Vertical
7323.241	60.88	3	7.10	36.50	44.43	60.05	74.00	-13.95	Pk	Vertical
7323.241	47.16	6	7.10	36.50	44.43	46.33	54.00	-7.67	AV	Vertica
4882.108	61.90)	5.21	35.66	44.20	58.57	74.00	-15.43	Pk	Horizonta
4882.108	49.17	,	5.21	35.66	44.20	45.84	54.00	-8.16	AV	Horizonta
7323.132	61.50)	7.10	36.50	44.43	60.67	74.00	-13.33	Pk	Horizonta
7323.132	42.61		7.10	36.50	44.43	41.78	54.00	-12.22	AV	Horizonta
				High Channe	ei (2480 MHz	:)(8-DPSK)	Above 1G			1
4960.397	66.59		5.21	35.52	44.21	63.11	74.00	-10.89	Pk	Vertical
4960.397	43.03		5.21	35.52	44.21	39.55	54.00	-14.45	AV	Vertical
7440.201	62.27		7.10	36.53	44.60	61.30	74.00	-12.70	Pk	Vertical
7440.201	44.98		7.10	36.53	44.60	44.01	54.00	-9.99	AV	Vertical
4960.225	68.32		5.21	35.52	44.21	64.84	74.00	-9.16	Pk	Horizonta
4960.225	46.98		5.21	35.52	44.21	43.50	54.00	-10.50	AV	Horizonta
7440.298	61.14		7.10	36.53	44.60	60.17	74.00	-13.83	Pk	Horizonta

Note:

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





Report No.: S23030102801001

UT:	Mobile pho	one		Model I	No.:	BL63			
emperature	: 20 ℃			Relative	e Humidity	: 48%			
est Mode:	Mode2/ Mo	ode4		Test By	<u>,</u>	Allen	Liu		
	lation mode		en tested	,				w:	
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	
3Mbps(8-DPSK)-Non-hopping									
2310.00	59.13	2.97	27.80	43.80	46.10	74	-27.90	Pk	Horizontal
2310.00	43.96	2.97	27.80	43.80	30.93	54	-23.07	AV	Horizontal
2310.00	59.48	2.97	27.80	43.80	46.45	74	-27.55	Pk	Vertical
2310.00	43.13	2.97	27.80	43.80	30.10	54	-23.90	AV	Vertical
2390.00	58.54	3.14	27.21	43.80	45.09	74	-28.91	Pk	Vertical
2390.00	43.52	3.14	27.21	43.80	30.07	54	-23.93	AV	Vertical
2390.00	56.43	3.14	27.21	43.80	42.98	74	-31.02	Pk	Horizontal
2390.00	43.76	3.14	27.21	43.80	30.31	54	-23.69	AV	Horizontal
2483.50	58.55	3.58	27.70	44.00	45.83	74	-28.17	Pk	Vertical
2483.50	42.22	3.58	27.70	44.00	29.50	54	-24.50	AV	Vertical
2483.50	59.90	3.58	27.70	44.00	47.18	74	-26.82	Pk	Horizontal
2483.50	42.58	3.58	27.70	44.00	29.86	54	-24.14	AV	Horizontal
			3	Mbps(8-DP	SK)-hopping		-	-	-
2310.00	51.81	2.97	27.80	43.80	38.78	74.00	-35.22	Pk	Vertical
2310.00	44.94	2.97	27.80	43.80	31.91	54.00	-22.09	AV	Vertical
2310.00	50.71	2.97	27.80	43.80	37.68	74.00	-36.32	Pk	Horizontal
2310.00	41.51	2.97	27.80	43.80	28.48	54.00	-25.52	AV	Horizontal
2390.00	52.34	3.14	27.21	43.80	38.89	74.00	-35.11	Pk	Vertical
2390.00	44.21	3.14	27.21	43.80	30.76	54.00	-23.24	AV	Vertical
2390.00	53.76	3.14	27.21	43.80	40.31	74.00	-33.69	Pk	Horizontal
2390.00	44.90	3.14	27.21	43.80	31.45	54.00	-22.55	AV	Horizontal
2483.50	52.93	3.58	27.70	44.00	40.21	74.00	-33.79	Pk	Vertical
2483.50	44.01	3.58	27.70	44.00	31.29	54.00	-22.71	AV	Vertical
2483.50	54.26	3.58	27.70	44.00	41.54	74.00	-32.46	Pk	Horizontal
2483.50	44.85	3.58	27.70	44.00	32.13	54.00	-21.87	AV	Horizontal

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





UT:		Mobil	e phone		Model N	lo.:		BL63			
emperature	e: 1	20 ℃			Relative	elative Humidity: 48%					
Test Mode: Mode2/ Mode4			Test By	Test By: Allen Liu							
All the modulation modes have been tested, a			, and the v	vorst resul	t wa	s repo	rt as belov	N:			
Frequency	equency Reading Level		Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Li	imits	Margin	Detector	Comment
(MHz)	(dBµ	V)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)		(dB)	Туре	
3260	60.1	16	4.04	29.57	44.70	49.07		74	-24.93	Pk	Vertical
3260	57.5	50	4.04	29.57	44.70	46.41		54	-7.59	AV	Vertical
3260	61.6	63	4.04	29.57	44.70	50.54		74	-23.46	Pk	Horizontal
3260	57.2	20	4.04	29.57	44.70	46.11		54	-7.89	AV	Horizonta
3332	65.8	39	4.26	29.87	44.40	55.62		74	-18.38	Pk	Vertical
3332	54.8	37	4.26	29.87	44.40	44.60		54	-9.40	AV	Vertical
3332	63.9	98	4.26	29.87	44.40	53.71		74	-20.29	Pk	Horizontal
3332	52.4	14	4.26	29.87	44.40	42.17		54	-11.83	AV	Horizontal
17797	43.6	60	10.99	43.95	43.50	55.04		74	-18.96	Pk	Vertical
17797	33.3	37	10.99	43.95	43.50	44.81		54	-9.19	AV	Vertical
17788	44.5	50	11.81	43.69	44.60	55.40		74	-18.60	Pk	Horizonta
17788	31.6	69	11.81	43.69	44.60	42.59		54	-11.41	AV	Horizonta

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 \geq RBW Sweep = auto Detector function = peak Trace = max hold

7.3.6 Test Results

EUT:	Mobile phone	Model No.:	BL63
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode 5(1Mbps)	Test By:	Allen Liu





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 3% of the channel spacing; adjust as necessary to best identify the center of each individual channel. VBW \geq RBW Sweep = auto Detector function = peak Trace = max hold

7.4.6 Test Results

EUT:	Mobile phone	Model No.:	BL63
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Allen Liu





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:	Mobile phone	Model No.:	BL63
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Allen Liu

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:	Mobile phone	Model No.:	BL63
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Allen Liu





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 \geq the 20 dB bandwidth of the emission being measured VBW \geq RBW Sweep = auto Detector function = peak Trace = max hold

7.7.6 Test Results

EUT:	Mobile phone	Model No.:	BL63
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Allen Liu



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:	Mobile phone	Model No.:	BL63
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2 /Mode4/ Mode 5	Test By:	Allen Liu



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 PIFA antenna (Gain: 0.83dBi). 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

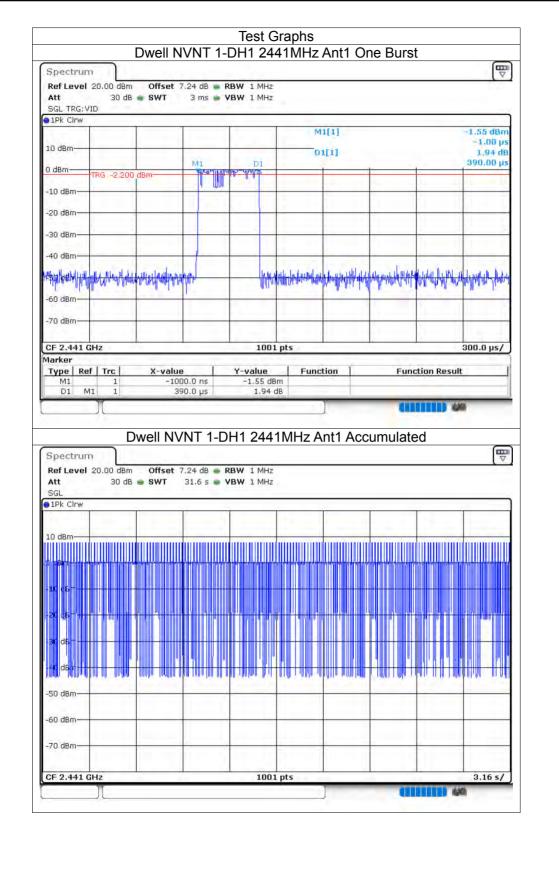
8.1 DWELL TIME

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	0.39	83.07	213	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.65	206.25	125	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.896	289.6	100	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.384	120.96	315	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.635	379.32	232	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.904	389.136	134	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.384	82.944	216	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.63	202.12	124	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.888	251.256	87	31600	400	Pass



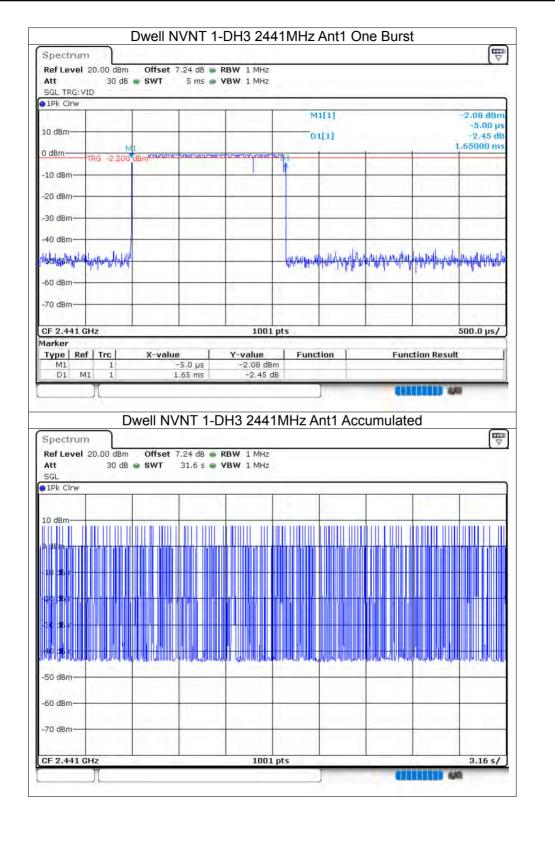


Report No.: S23030102801001



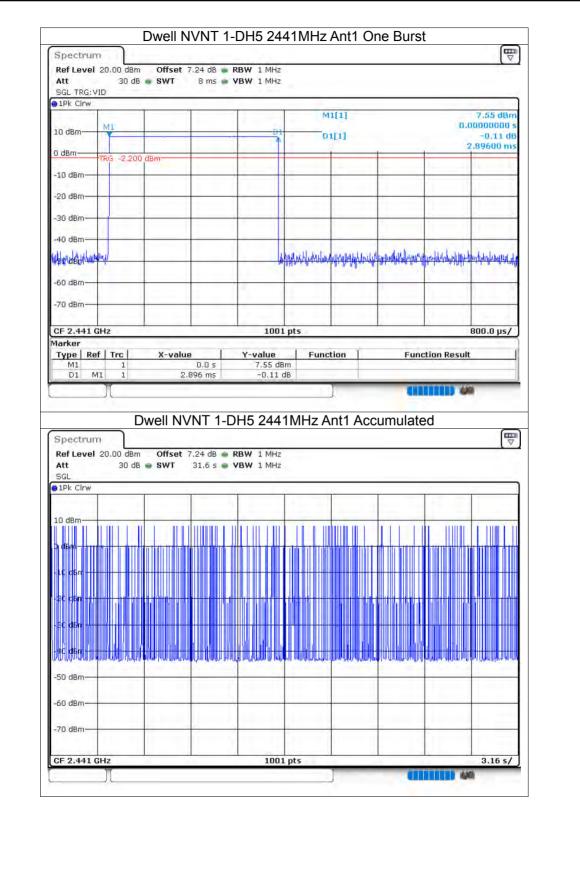






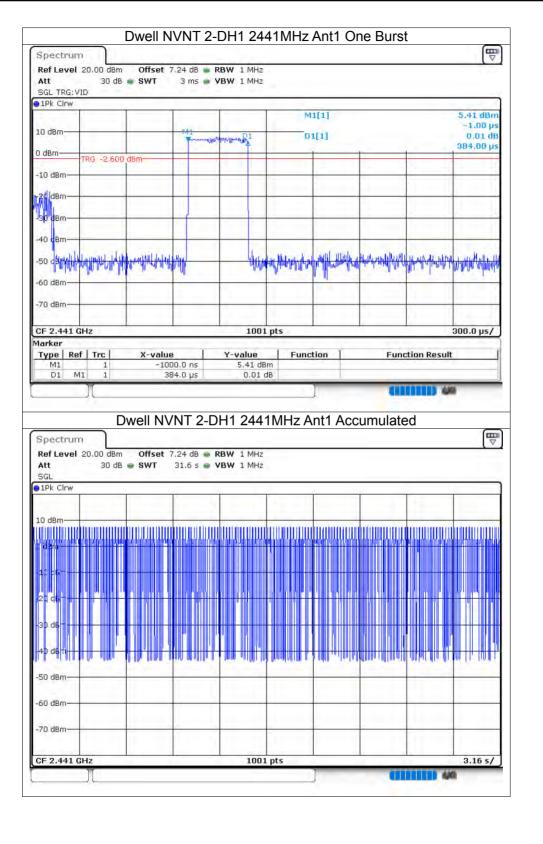






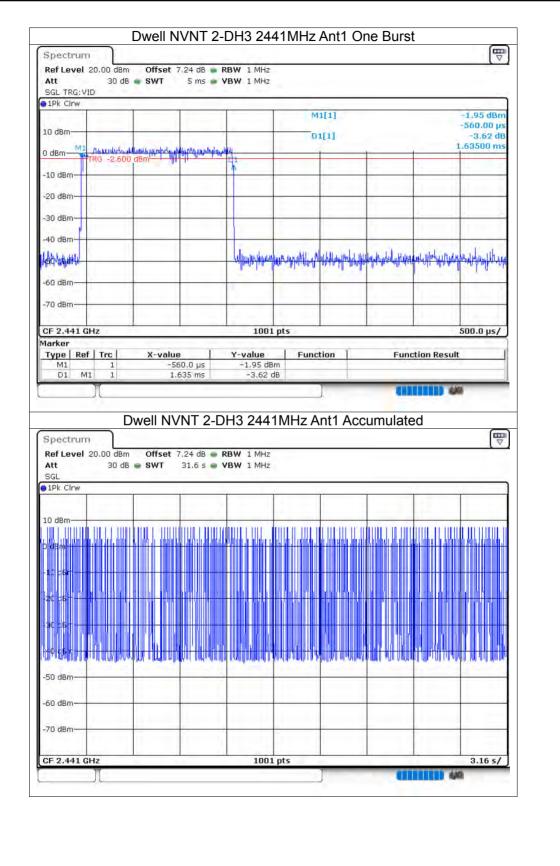






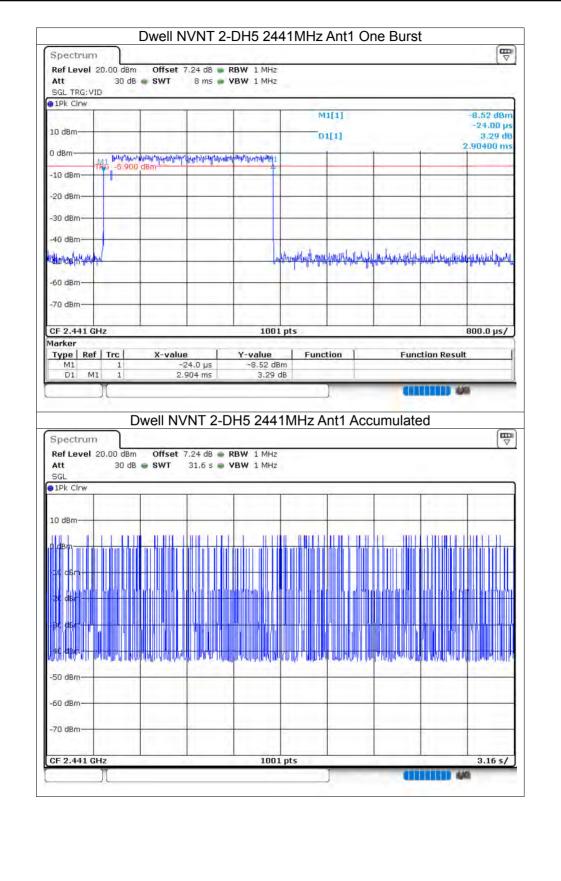






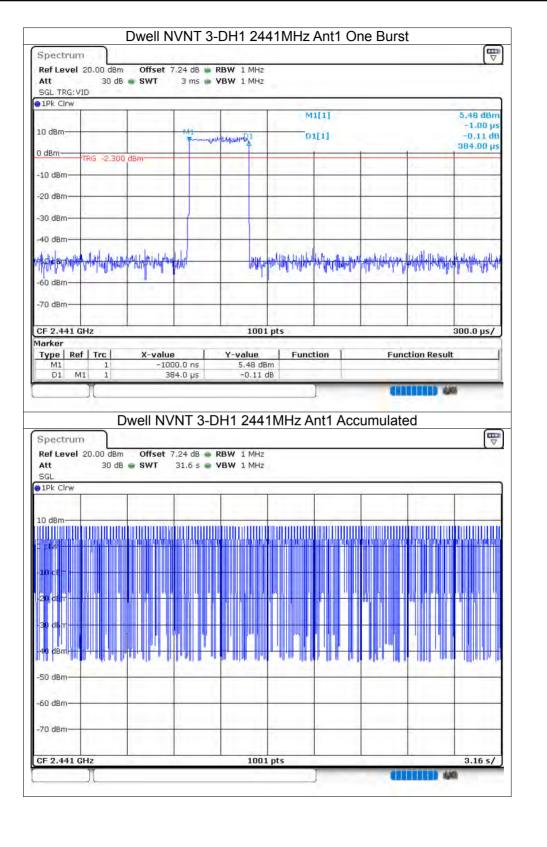






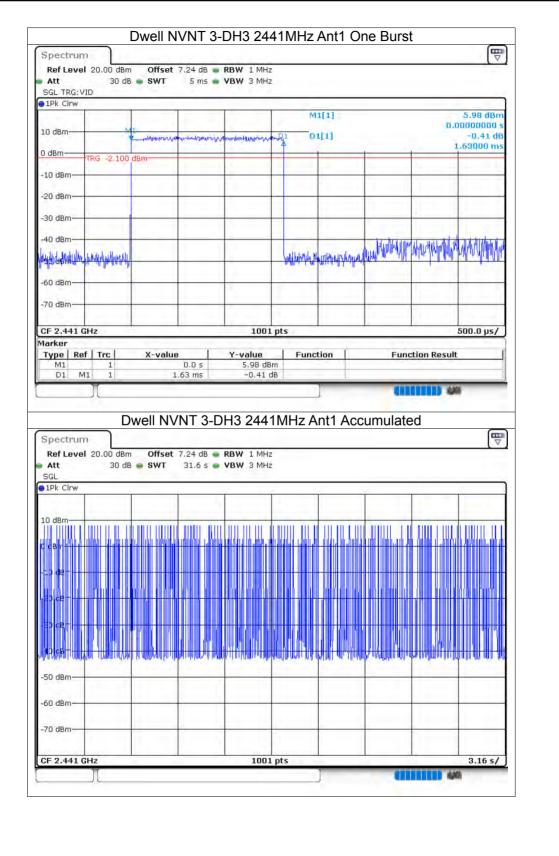






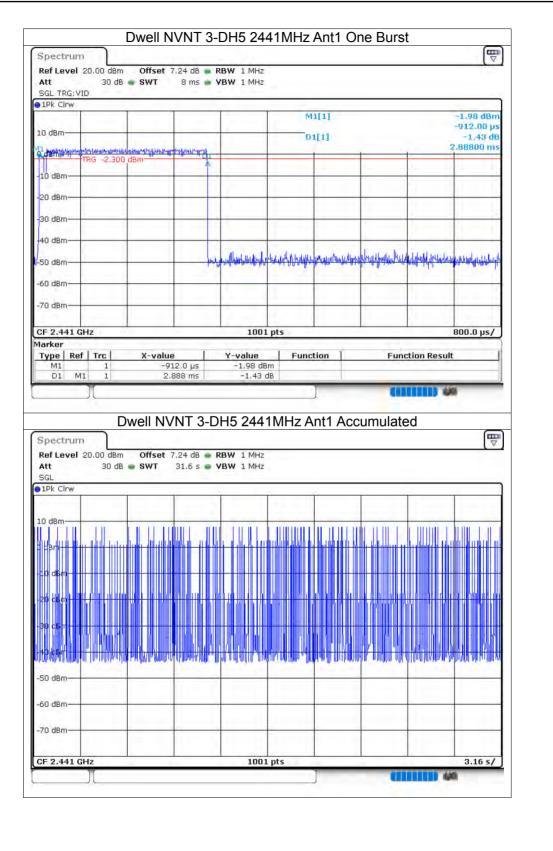
















8.2 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	6.88	21	Pass
NVNT	1-DH5	2441	Ant1	7.88	21	Pass
NVNT	1-DH5	2480	Ant1	8.05	21	Pass
NVNT	2-DH5	2402	Ant1	7.75	21	Pass
NVNT	2-DH5	2441	Ant1	8.16	21	Pass
NVNT	2-DH5	2480	Ant1	8.82	21	Pass
NVNT	3-DH5	2402	Ant1	8.04	21	Pass
NVNT	3-DH5	2441	Ant1	8.37	21	Pass
NVNT	3-DH5	2480	Ant1	8.99	21	Pass





		Po	wer N∖	Test G NT 1-DH/	15 ²⁴⁰²	/Hz Ant	1		
Spectrur	n	_							
	20.00 dBm				2010-000				
Att SGL Count		SWT	1 ms 🖷 🦌	BW 2 MHz	Mode Auto 9	5weep			
1Pk Max	0		1	<i>3</i>					
					W1[1	u .		2.403	6,88 dBm 217480 GHz
LO dBm		-			643		f		1
10-									
) dBm		-		-					
10 dBm-			-						
20 dBm									
30 dBm-								1	
									122 5
40 dBm	1 2			-					
50 dBm									
	_								
60 dBm				-			-		
70 dBm									
y u ubin			1						
and the second second			1	1001				- Cros	n 5.0 MHz
CF 2.402 (Spectrur		Pc	ower NV	1001 /NT 1-DF	H5 2441N	1Hz Ant	1		
Spectrun Ref Level Att	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF] H5 2441N		1		
Spectrun Ref Level Att SGL Count	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF	15 2441N		1		
Spectrun Ref Level Att	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF	H5 2441M Mode Auto S	Sweep	1		
Spectrun Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	15 2441N	Sweep	1		(The second seco
Spectrun Ref Level Att SGL Count	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DH RBW 2 MHz /BW 2 MHz	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrun Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrum Ref Level Att SGL Count IPk Max	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrur Ref Level SGL Count 1Pk Max 10 dBm- 10 dBm- 10 dBm- 20 dBm-	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrur Ref Level SGL Count 1Pk Max 10 dBm- 10 dBm- 10 dBm- 20 dBm-	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrum Ref Level Att SGL Count 11PK Max 0 dBm- 10 dBm- 20 dBm- 20 dBm- 30 dBm- 40 dBm-	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrun Ref Level Att SGL Count 11Pk Max 10 dBm- 10 dBm- 10 dBm- 20 dBm- 30 dBm- 30 dBm-	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrum Ref Level Att SGL Count 11PK Max 0 dBm- 10 dBm- 20 dBm- 20 dBm- 30 dBm- 40 dBm-	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrum Ref Level Att SGL Count 11Pk Max 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrum Ref Level Att SGL Count 11Pk Max 0 dBm- 0 dBm- 10 dBm- 20 dBm- 30 dBm- 40 dBm- 50 dBm-	n 20.00 dBm 30 dB	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441M Mode Auto S	Sweep	1		(₩) 7,88 dBm
Spectrum Ref Level Att SGL Count 11PK Max 10 dBm	n 20.00 dBm 30 dB 100/100	Offset 7	.24 dB 🐞 R	/NT 1-DP	H5 2441N Mode Auto S MI[]	Sweep	1	2.440	(₩) 7.88 dBm 191010 GHz
Spectrum Ref Level Att SGL Count 11Pk Max 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm	n 20.00 dBm 30 dB 100/100	Offset 7	.24 dB 🐞 R	/NT 1-DF RBW 2 MHz /BW 2 MHz 	H5 2441N Mode Auto S MI[]	Sweep		2.440	(₩) 7,88 dBm





Ref Level Att SGL Count 1Pk Max			07 dB B RB 1 ms B VB		ode Auto Sweep			
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) dBm								
10 dBm								_
20 dBm								
30 dBm	1							
40 dBm				-				
50 dBm								
60 dBm								
70 dBm								
CF 2.48 GI	Hz			1001 pt			Con	n 5.0 MHz
Spectrur Ref Level	20.00 dBm	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MHz] 2402MHz /			
Spectrur	n 20.00 dBm 30 dB	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MHz	2402MHz /			(7)
Spectrun Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 30 dB	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MHz	2402MHz / ode Auto Sweep M1[1]			
Spectrun Ref Level Att SGL Count	n 20.00 dBm 30 dB	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MH2 W 2 MH2 M	2402MHz / ode Auto Sweep M1[1]			₩ 7.75 dBm
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBm 30 dB	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MH2 W 2 MH2 M	2402MHz / ode Auto Sweep M1[1]		2,402	7.75 dBm 19480 GHz
Spectrur Ref Level Att SGL Count J1Pk Max 10 dBm	n 20.00 dBm 30 dB	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MH2 W 2 MH2 M	2402MHz / ode Auto Sweep M1[1]		2,402	7.75 dBm 19480 GHz
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm	n 20.00 dBm 30 dB	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MH2 W 2 MH2 M	2402MHz / ode Auto Sweep M1[1]		2,402	₩ 7.75 dBm
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm 10 dBm	n 20.00 dBm 30 dB	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MH2 W 2 MH2 M	2402MHz / ode Auto Sweep M1[1]		2,402	7.75 dBm 19480 GHz
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm 10 dBm 20 dBm 20 dBm	n 20.00 dBm 30 dB	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MH2 W 2 MH2 M	2402MHz / ode Auto Sweep M1[1]		2,402	7.75 dBm 19480 GHz
Spectrur Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm 10 dBm 20 dBm 20 dBm 30 dBm 30 dBm	n 20.00 dBm 30 dB	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MH2 W 2 MH2 M	2402MHz / ode Auto Sweep M1[1]		2,402	7.75 dBm 19480 GHz
Spectrum Ref Level Att SGL Count IPK Max IO dBm 0 dBm 20 dBm 20 dBm 30 dBm 40 dBm	n 20.00 dBm 30 dB	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MH2 W 2 MH2 M	2402MHz / ode Auto Sweep M1[1]		2,402	7.75 dBm 19480 GHz
Spectrum Ref Level Att SGL Count IPK Max IO dBm 0 dBm 20 dBm 30 dBm 40 dBm 50 dBm	n 20.00 dBm 30 dB	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MH2 W 2 MH2 M	2402MHz / ode Auto Sweep M1[1]		2,402	7.75 dBm 19480 GHz
Spectrum Ref Level Att SGL Count IPk Max IO dBm 0 dBm 20 dBm 30 dBm 30 dBm 40 dBm 50 dBm 50 dBm	n	Offset 7.	07 dB 🖷 RB1	NT 2-DH5 W 2 MH2 W 2 MH2 M	2402MHz /		2,402	7.75 dBm 19480 GHz





Spectrum		. 0		NT 2-DH					
Ref Level 2		Offset 7	.24 dB 💼 RE	3W 2 MHz					
Att	30 dB			BW 2 MHz	Mode Auto	o Sweep			
SGL Count 1 1Pk Max	100/100	_							
					MU	I[1]		6.0.0	8,16 dBm
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Spectrum		Po	ower NV	NT 2-DH	15 2480)MHz A	nt1		P
Ref Level 2 Att	20.00 dBm 30 dB	Offset 7	.07 dB 🖷 RE				nt1		
Ref Level 2 Att SGL Count 1	20.00 dBm 30 dB	Offset 7	.07 dB 🖷 RE	3W 2 MHz			nt1		(The second seco
Ref Level 2 Att SGL Count 1	20.00 dBm 30 dB	Offset 7	.07 dB 🖷 RE	3W 2 MHz	Mode Auto		nt1		8,82 dBm
Ref Level 2 Att SGL Count 1 1Pk Max	20.00 dBm 30 dB	Offset 7	.07 dB 🖷 RE	3W 2 MHz	Mode Auto	o Sweep	nt1	2.479	
Ref Level 2 Att SGL Count 1 1Pk Max	20.00 dBm 30 dB	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2,479	8,82 dBm
Ref Level 2 Att SGL Count 1 1Pk Max	20.00 dBm 30 dB	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2,479	8,82 dBm
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2,479	8,82 dBm) 93510 GHz
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2.479	8,82 dBm
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2,479	8,82 dBm) 93510 GHz
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2,479	8,82 dBm) 93510 GHz
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2.479	8,82 dBm) 93510 GHz
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2.479	8,82 dBm) 93510 GHz
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2,479	8,82 dBm) 93510 GHz
Ref Level 2 Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2,479	8,82 dBm) 93510 GHz
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -20 dBm -30 dBm -50 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2,479	8,82 dBm) 93510 GHz
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -20 dBm -30 dBm -50 dBm -60 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2.479	8,82 dBm) 93510 GHz
Ref Level 2 Att SGL Count 1 SGL Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1	2,479	8,82 dBm) 93510 GHz
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -60 dBm -70 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	3W 2 MHz 2 MHz M1	Mode Auto	o Sweep	nt1		8,82 dBm 93510 GHz
Ref Level 2 Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -60 dBm -70 dBm	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	BW 2 MHz BW 2 MHz	Mode Auto	o Sweep	nt1		8,82 dBm) 93510 GHz
Ref Level 2 Att	20.00 dBm 30 dB 100/100	Offset 7	.07 dB 🖷 RE	3W 2 MHz 2 MHz M1	Mode Auto	o Sweep	nt1		8,82 dBm 93510 GHz





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Ref Level Att SGL Coun	20.00 dBm 30 dB		.07 dB 🗰 RE 1 ms 🛖 VE	BW 2 MHz BW 2 MHz	Mode Aut	o Sweep			
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Spectrui][NT 3-Dł] 1MHz A	nt1		
Spectrur Ref Level Att SGL Coun	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-Dł	H5 2441		nt1		
Spectrur Ref Level Att SGL Coun	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	15 2441 Mode Aut	o Sweep	nt1		(\vec{w})
Spectrur Ref Level Att SGL Coun 1Pk Max	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	15 2441 Mode Aut		nt1		
Spectrur Ref Level Att SGL Coun 1Pk Max	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Att SGL Coun 1Pk Max 10 dBm	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm- -20 dBm-	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm- -20 dBm-	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm	n 1 20.00 dBm 30 dB	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441 Mode Aut	o Sweep	nt1		(₩) 8,37 dBm
Spectrum Ref Level Att SGL Coun 10 dBm	n 20.00 dBm 30 dB t 100/100	Offset 7	.24 dB 🍙 RE	NT 3-Dł	H5 2441	o Sweep	nt1	2.441	8.37 dBm 06490 GHz
Spectrur Ref Level Att SGL Coun 1Pk Max 10 dBm	n 20.00 dBm 30 dB t 100/100	Offset 7	.24 dB 🍙 RE	NT 3-DI BW 2 MHz	H5 2441	o Sweep	nt1	2.441	(₩) 8,37 dBm





Spectrum				
	et 7.07 dB 🖷 RBW 2 1 ms 🖷 VBW 2	MHz MHz Mode Auto Swe	ер	
1Pk Max				
		M1[1]	4	8.99 dBm 2.48003250 GHz
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10 dBm			_	and the second
20 dBm				
30 dBm				
40 dBm				
50 dBm				
60 dBm-				
70 dBm-				-
CF 2.48 GHz		1001 pts		Span 6.5 MHz





8.3 -20DB BANDWIDTH

Condition	Mada		Antonno		Vardiat
Condition	Mode	Frequency	Antenna	-20 dB Bandwidth	Verdict
		(MHz)		(MHz)	
NVNT	1-DH5	2402	Ant1	0.952	Pass
NVNT	1-DH5	2441	Ant1	0.956	Pass
NVNT	1-DH5	2480	Ant1	0.942	Pass
NVNT	2-DH5	2402	Ant1	1.302	Pass
NVNT	2-DH5	2441	Ant1	1.282	Pass
NVNT	2-DH5	2480	Ant1	1.286	Pass
NVNT	3-DH5	2402	Ant1	1.28	Pass
NVNT	3-DH5	2441	Ant1	1.286	Pass
NVNT	3-DH5	2480	Ant1	1.278	Pass

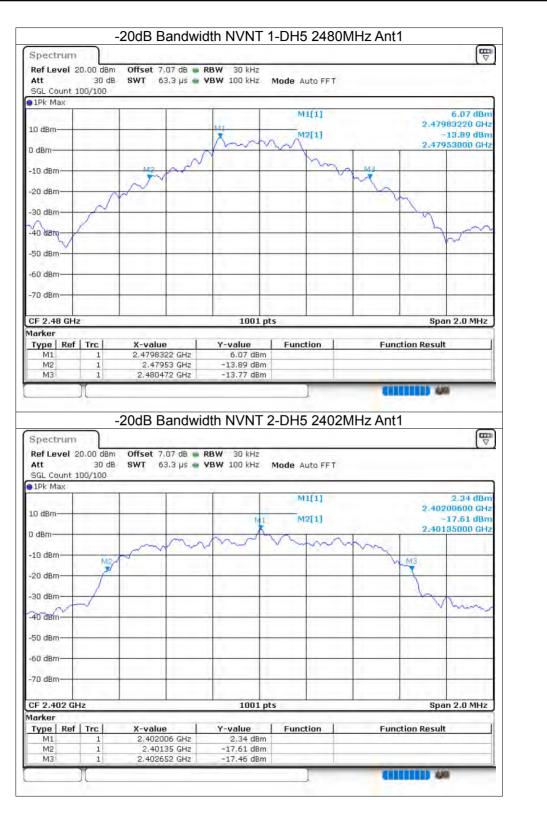






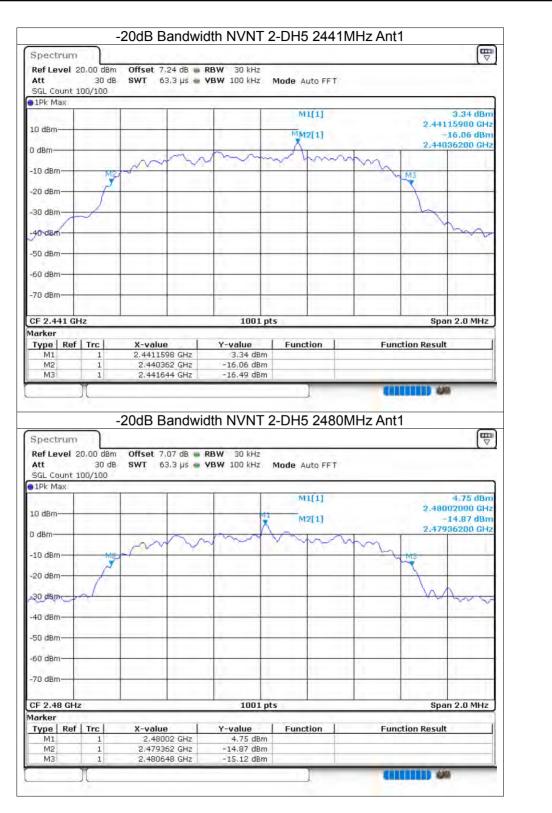






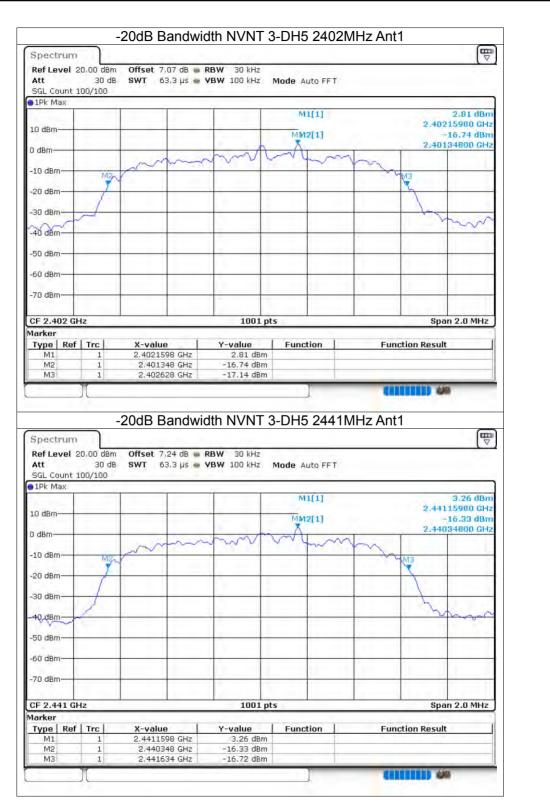
















Spectrum						
Ref Level 2 Att SGL Count 1	30 c			Mode Auto FFT		
1Pk Max			-			
10 dBm				M1[1] M2[1]		4,72 dBn 2,48002200 GH ~15,06 dBn 2,47934800 GH
		~~~~~	- m	and	m	-1
-10 dBm	M	n/			~	13 T
-20 dBm	1					2
20 dBm	~		15 11			- Martin
-40 dBm	_		-	-		
-50 dBm	_					
-60 dBm		_			_	
-70 dBm			1.0		1,1 1	
CF 2.48 GHz	1		1001 pts	5		Span 2.0 MHz
1arker Type   Ref	Trc	X-value	Y-value	Function	Funct	ion Result
M1	1	2.480022 GHz	4.72 dBm	. unction	, and	
M2 M3	1	2.479348 GHz 2.480626 GHz	-15.06 dBm -15.23 dBm			





## 8.4 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.873
NVNT	1-DH5	2441	Ant1	0.859
NVNT	1-DH5	2480	Ant1	0.887
NVNT	2-DH5	2402	Ant1	1.185
NVNT	2-DH5	2441	Ant1	1.187
NVNT	2-DH5	2480	Ant1	1.207
NVNT	3-DH5	2402	Ant1	1.205
NVNT	3-DH5	2441	Ant1	1.191
NVNT	3-DH5	2480	Ant1	1.209



















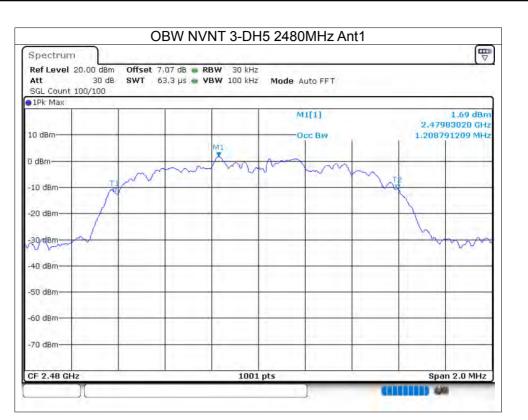
















#### 8.5 CARRIER FREQUENCIES SEPARATION

Condition	Mode	Antenna	Hopping	Hopping	HFS	Limit	Verdict
			Freq1 (MHz)	Freq2 (MHz)	(MHz)	(MHz)	
NVNT	1-DH5	Ant1	2402.022	2403.022	1	0.635	Pass
NVNT	1-DH5	Ant1	2440.828	2441.83	1.002	0.637	Pass
NVNT	1-DH5	Ant1	2478.83	2479.83	1	0.628	Pass
NVNT	2-DH5	Ant1	2402.004	2403.012	1.008	0.868	Pass
NVNT	2-DH5	Ant1	2441.071	2442.114	1.043	0.855	Pass
NVNT	2-DH5	Ant1	2479.008	2480.071	1.063	0.857	Pass
NVNT	3-DH5	Ant1	2402.022	2403.024	1.002	0.853	Pass
NVNT	3-DH5	Ant1	2440.972	2442.024	1.052	0.857	Pass
NVNT	3-DH5	Ant1	2479.022	2480.022	1	0.852	Pass

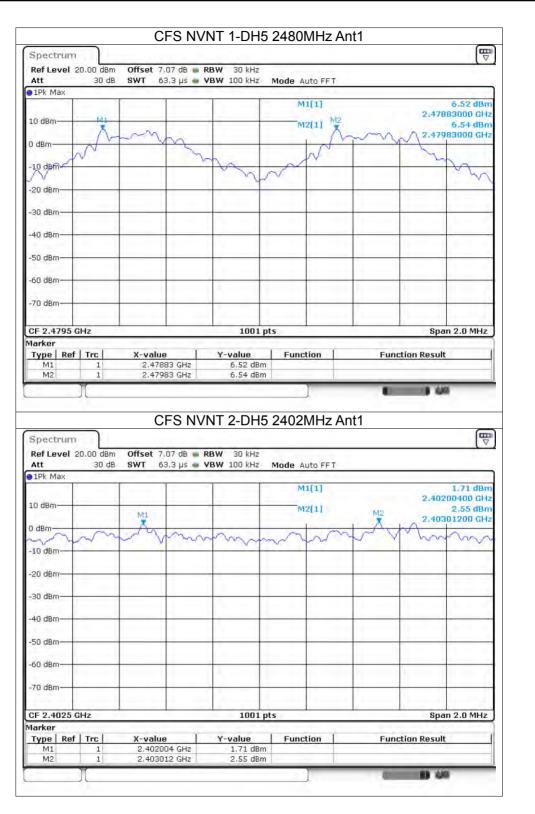






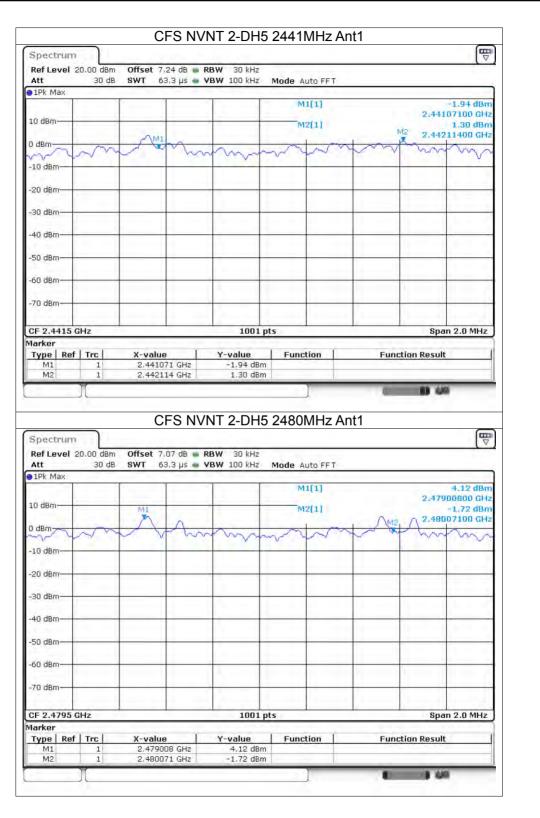






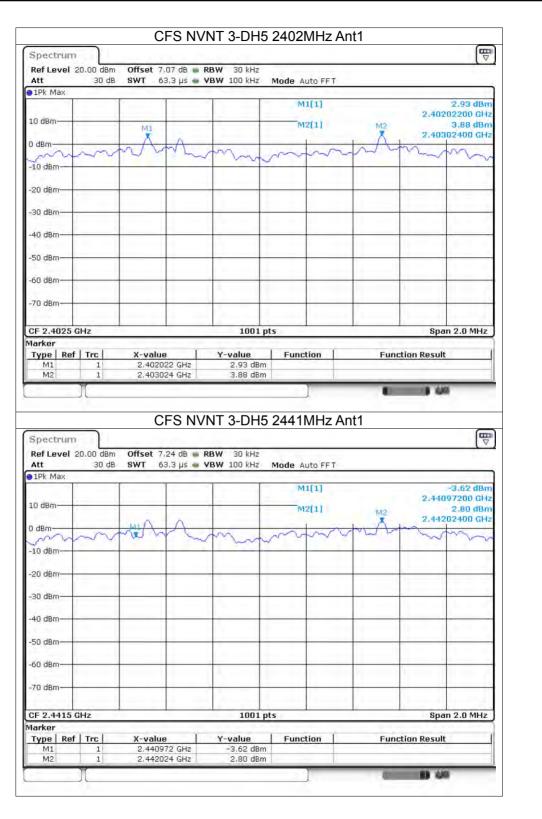






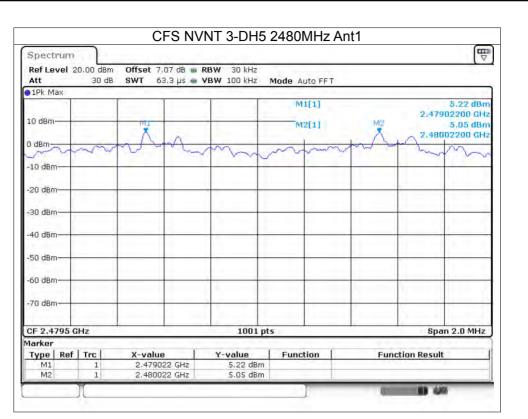
















## 8.6 NUMBER OF HOPPING CHANNEL

	Condition	Mode	Antenna	Hopping Number	Limit	Verdict
	NVNT	1-DH5	Ant1	79	15	Pass
Ī	NVNT	2-DH5	Ant1	79	15	Pass
Γ	NVNT	3-DH5	Ant1	79	15	Pass





pectrum Ref Level 20.00 dBm Att 30 dB		alian Ma			- 4	
ef Level 20.00 dBm	норр	Ding No	D. NVNT 1.	DH5 2402MH	iz Ant'i	m
	Offeret	- 95 70 5	DD14 100 (0)-			
	SWT		<b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode Auto Sweep		
1Pk Max						
			1	M1[1]		6.49 dBm 2.4018370,GHz
DidBm-	NABABAB	A A A A A A A A A	h A d A D I D A D A D A D A	honnon Mahhhanna		n na HALANDASTER
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<u>AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</u>	(I A A A A A A A	WYYYY	A A A MANA MARA	TAAAAAAAAAAAAAAAAAAAAAAAAAA	AARAA MAADA	148484848484
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10 dBm						
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			-			Witter
0 dBm		1			1	
0 dBm		-	-			
tart 2.4 GHz arker	-		1001	pts		Stop 2.4835 GHz
pectrum ef Level 20.00 dBm	Offcat	7 07 d0	RBW 100 kHz			
tt 30 dB	SWT		VBW 300 kHz	Mode Auto Sweep		
.Pk Max	_					
				M1[1]		-1.29 dBm 2.4014195 GHz
BBM TONNALAA	1		1.000	M2[1]	LI ON BELLI	1.54 dBm
BBMANNANAAAA	hranghaa	Bunghan	mall and a stranger	MANAAANANAMAA	www.www.	WHEN AND AND AND AND AND AND AND AND AND AN
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		-	-			
0 dBm				and the second s	(	the second se
0 dBm		1				
0 dBm			1001	pts	16	Stop 2.4835 GHz
0 dBm	V .uch					
0 dBm		Je	1001 Y-value -1.29 dBr 1.54 dBr	Function	Function	





Spectrum										
Ref Level 2	0.00 dBm	Offset 7.0	07 dB 🐞	RBW 100 kHz						
Att	30 dB	SWT	1 ms 🖷	<b>YBW</b> 300 kHz	Mod	le Auto Swe	ер			
1Pk Max										
					_	M1[1]		0.40	3.08 dBm 17535 GHz	
10 dBm	_			-		M2[1]		2.40	2 53 dBm	
MARIA	Adden	1.1.111	distil	MAN LAGAR	AMA	ALMMAAAAA	rol a she st day	at A hundred	MANANEHZ	
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10 dBm										
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40 dBm				-	-	-			1	
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-50 dBm								-	4	
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-60 dBm								1		
-70 dBm	_		_							
/ o dom				1	1.00					
Start 2.4 GH	z	-	-	100	pts			Stop 2	4835 GHz	
larker										
Type   Ref	Trc	X-value		Y-value		unction	Fu	Function Result		
M1	1			3.08 dBm						
M2	1	2,48049	4 GHz	2.53 di	sm					





# 8.7 BAND EDGE

Condition	Mode	Frequency	Antenna	Hopping	Max Value	Limit	Verdict
		(MHz)		Mode	(dBc)	(dBc)	
NVNT	1-DH5	2402	Ant1	No-Hopping	-58.37	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-60.07	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-57.41	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-55.61	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-54.22	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-58.23	-20	Pass





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	Band	Edge NV	'N I 1-l	DH5 2402	2MHz A	nti N	о-норрі	ng Ref		<b></b>
Spectrum										₽
Ref Level 20 Att	30 dB	Offset 7.90 SWT 18.9		3W 100 KHZ 3W 300 kHz	Mode Au	to FFT				
SGL Count 10		2012			101-00- 14-					
1Pk Max	1.1.1			<u> </u>		_				
					MI	[1]		2.40	7,53	
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) dBm			-		1		-	-	-	-
					1					
-10 dBm	-		-		1	-			1	
					$\lambda$				-	
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-30 dBm			6			~		1		
-40 dBm			IV		1	1				
-40 aBm			1			1		1		
-50 dBm						6				
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-60 dBm	and and	Warman	_				-	an an c	m. v	~
20,000	-							1.000	1	
-70 dBm							-	-	-	-
	10 - TO - 1			1.1				1.000		
CF 2.402 GH										1.1
Ba		ge NVNT	- 1-DH	1001 p 5 2402M		1 No-H	lopping		an 8.0 M	
Ba	nd Edg			5 2402M		1 No-H	lopping		10	Hz )
Ba Spectrum Ref Level 20	nd Edg	Offset 7.9	90 dB 🖷 🖪		Hz Ant	10.7.1	lopping		10	
Ba Spectrum Ref Level 20 Att SGL Count 10	nd Edg	Offset 7.9	90 dB 🖷 🖪	5 2402M	Hz Ant	10.7.1	lopping		10	
Ba Spectrum Ref Level 20 Att SGL Count 10	nd Edg	Offset 7.9	90 dB 🖷 🖪	5 2402M	Hz Ant Mode A	uto FFT	lopping		on	
Ba Spectrum Ref Level 20 Att SGL Count 10 1Pk Max	nd Edg	Offset 7.9	90 dB 🖷 🖪	5 2402M	Hz Ant	uto FFT	lopping	Emissi	on 6.86	(
Ba Spectrum Ref Level 20 Att SGL Count 10 1Pk Max	nd Edg	Offset 7.9	90 dB 🖷 🖪	5 2402M	Hz Ant Mode A	uto FFT	lopping	Emissio	6.86 21500( -53.07	IBm ĢHz Bm
Ba Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm-	nd Edg	Offset 7.9	90 dB 🖷 🖪	5 2402M	Hz Ant Mode A	uto FFT.	lopping	Emissio	000 6.86 ( 21500()	IBm ĢHz Bm
Ba Spectrum Ref Level 2( Att SGL Count 1( ) IPk Max 10 dBm 0 dBm	nd Edg D.00 dBm 30 dB 200/100	Offset 7.9 SWT 227	90 dB 🖷 🖪	5 2402M	Hz Ant Mode A	uto FFT.	lopping	Emissio	6.86 21500( -53.07	IBm ĢHz Bm
Ba Spectrum Ref Level 2( Att SGL Count 1( 1Pk Max 10 dBm 0 dBm	nd Edg	Offset 7.9 SWT 227	90 dB 🖷 🖪	5 2402M	Hz Ant Mode A	uto FFT.	lopping	Emissio	6.86 21500( -53.07	IBm ĢHz Bm
Ba Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm 0 dBm -10 dBm	nd Edg D.00 dBm 30 dB 200/100	Offset 7.9 SWT 227	90 dB 🖷 🖪	5 2402M	Hz Ant Mode A	uto FFT.	lopping	Emissio	6.86 21500( -53.07	IBm ĢHz Bm
Ba Spectrum Ref Level 20 Att SGL Count 10 10 PK Max 10 dBm 10 dBm 20 dBm 20 dBm	nd Edg D.00 dBm 30 dB 200/100	Offset 7.9 SWT 227	90 dB 🖷 🖪	5 2402M	Hz Ant Mode A	uto FFT.	lopping	Emissio	6.86 21500( -53.07	IBm ĢHz Bm
Ba Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm 10 dBm 20 dBm 30 dBm	nd Edg D.00 dBm 30 dB 200/100	Offset 7.9 SWT 227	90 dB 🖷 🖪	5 2402M	Hz Ant Mode A	uto FFT.	lopping	Emissio	6.86 21500( -53.07	IBm ĢHz Bm
Ba Spectrum Ref Level 20 Att SGL Count 10 IPk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm	nd Edg D.00 dBm 30 dB 200/100	Offset 7.9 SWT 227	90 dB 🖷 🖪	5 2402M BW 100 kHz BW 300 kHz	Hz Ant Mode A	uto FFT.	lopping	Emissio	6.86 21500( -53.07	IBm ĢHz Bm
Ba Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm 	nd Edg 0.00 d8m 30 d8 00/100	Offset 7.5 SWT 227	90 dB R	5 2402M	Mode A	uto FFT [1] [1]		Emissio	6.86 21500() -53.07 000000	Bm ĢHz BH
Ba Spectrum Ref Level 20 Att SGL Count 10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	nd Edg 0.00 d8m 30 d8 00/100	Offset 7.9 SWT 227	90 dB R	5 2402M	Mode A	uto FFT [1] [1]		Emissio	6.86 21500() -53.07 000000	IBm ĢHz Bm
Ba Spectrum Ref Level 20 Att SGL Count 10 11Pk Max 10 dBm 0 dBm 20 dBm 20 dBm 30 dBm 40 dBm 50 dBm	nd Edg 0.00 d8m 30 d8 00/100	Offset 7.5 SWT 227	90 dB R	5 2402M	Mode A	uto FFT [1] [1]		Emissio	6.86 21500() -53.07 000000	Bm ĢHz BH
Ba Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm 10 dBm 10 dBm 20 dBm 40 dBm 40 dBm 50 dBm 50 dBm 50 dBm	nd Edg 0.00 d8m 30 d8 00/100	Offset 7.5 SWT 227	90 dB R	5 2402M	Mode A	uto FFT [1] [1]		Emissio	6.86 21500() -53.07 000000	Bm ĢHz BH
Ba Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm 10 dBm 10 dBm 20 dBm 40 dBm 40 dBm 50 dBm 50 dBm 50 dBm	nd Edg 0.00 d8m 30 d8 00/100	Offset 7.5 SWT 227	90 dB R	5 2402M	Mode A	uto FFT [1] [1]		Emissio	6.86 21500() -53.07 000000	Bm ĢHz BH
Ba           Spectrum           Ref Level 20           Att           SGL Count 10           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -50 dBm           -50 dBm           -70 dBm           -70 dBm	nd Edg 0.00 dBm 30 dB 00/100	Offset 7.5 SWT 227	90 dB R	5 2402M	Mode A Mode A M1 M2	uto FFT [1] [1]		2.40 2.40	6.86 21500() -53.07 000000	IBm GHz GHz
Ba Spectrum Ref Level 20 Att SGL Count 10 IPk Max ID dBm I	nd Edg 0.00 d8m 30 d8 00/100	Offset 7.5 SWT 227	90 dB R	5 2402M	Hz Ant	(1) [1]	h shradur ma	Emissio	6.86 21500(x) -53.07 000000 000000 000000 000000 000000 0000	IBm GHz GHz
Ba Spectrum Ref Level 20 Att SGL Count 10 IPk Max ID dBm I	nd Edg 0.00 d8m 30 d8 00/100 1 -12,471	Offset 7.5 SWT 227	00 dB א דער 5 µs א ע. געלויארלאטער	5 2402M	Hz Ant	(1) [1]	h shradur ma	2.40 2.40	6.86 21500(x) -53.07 000000 000000 000000 000000 000000 0000	IBm GHz GHz
Ba Spectrum Ref Level 20 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	nd Edg 0.00 d8m 30 d8 00/100	Offset 7.5 SWT 227	00 dB א דער 5 µs א ע. געלויארלאטער	5 2402M	Hz Ant	(1) [1]	h shradur ma	Emissio	6.86 21500(x) -53.07 000000 000000 000000 000000 000000 0000	IBm GHz GHz
Ba Spectrum Ref Level 20 Att SGL Count 10 IPk Max I0 dBm I	nd Edg 0.00 dBm 30 dB 00/100 1 -12,471 444.445,4475 GHz <u>Trc</u> 1	Offset 7.5 SWT 227	20 dB R .5 µs V	5 2402M	Hz Ant	(1) [1]	h shradur ma	Emissio	6.86 21500(x) -53.07 000000 000000 000000 000000 000000 0000	IBm GHz GHz





pectrum						
Ref Level 20.00		dB 🐞 RBW 100 kHz	1			- 1.
Att 30 SGL Count 100/10		µs 🖷 YBW 300 kHz	Mode Auto FFT			
1Pk Max	10					
			M1[1]			8.64 dBm
		M		1	2,480	15980 GHz
0 dBm		m	1			
dBm			· · · · · · · · · · · · · · · · · · ·			
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F 2.48 GHz		1001 pt	5		Spar	18.0 MHz
Band	Edge NVNT	1-DH5 2480MH		Hopping		n
Band		1-DH5 2480MF		Hopping		
Band	dBm Offset 7.90	1-DH5 2480MH	Iz Ant1 No-	Hopping		n
Band pectrum tef Level 20.00 tt 3( GGL Count 100/10	dBm Offset 7.90 D dB SWT 227.3	1-DH5 2480MF	Iz Ant1 No-	Hopping		n
Band pectrum tef Level 20.00 tt 3( GGL Count 100/10	dBm Offset 7.90 D dB SWT 227.3	1-DH5 2480MH	Hz Ant1 No-	Hopping		n [₩
Band pectrum tef Level 20.00 tt 30 GL Count 100/10 JPk Max	dBm Offset 7.90 D dB SWT 227.3	1-DH5 2480MH	Iz Ant1 No-	Hopping	Emissio	n (₩ 8.06 dBm
Band pectrum tef Level 20.00 tt 30 GL Count 100/10 JPk Max	dBm Offset 7.90 D dB SWT 227.3	1-DH5 2480MH	Hz Ant1 No-	Hopping	Emission	n [₩
Band pectrum tef Level 20.00 tt 3(1) SGL Count 100/10 IPk Max	dBm Offset 7.90 D dB SWT 227.3	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT	Hopping	Emission	n (₩ 8.06 dBm 95000 GHz
Band pectrum tef Level 20.00 tt 30 GL Count 100/10 IPk Max dem dem	dBm Offset 7.90 0 dB SwT 227.3	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT	Hopping	Emission	n ( ▼ 8.06 dBm 95000 GH2 54.74 dBm
Band pectrum tef Level 20.00 tt 30 GL Count 100/10 IPk Max dem dem	dBm Offset 7.90 D dB SWT 227.3	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT	Hopping	Emission	n ( ▼ 8.06 dBm 95000 GH2 54.74 dBm
Band pectrum tef Level 20.00 tt 3(0 SGL Count 100/10 IPk Max 0 dBm 0 dBm 0 rBm 0 1 -11	dBm Offset 7.90 0 dB SwT 227.3	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT	Hopping	Emission	n ( ▼ 8.06 dBm 95000 GH2 54.74 dBm
Band pectrum tef Level 20.00 tt 31 SGL Count 100/10 IPk Max dBm dBm nrBm p1 -11 10 cBm	dBm Offset 7.90 0 dB SwT 227.3	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT	Hopping	Emission	n ( ▼ 8.06 dBm 95000 GH2 54.74 dBm
Band pectrum tef Level 20.00 tt 31 SGL Count 100/10 IPk Max dBm dBm nrBm p1 -11 10 cBm	dBm Offset 7.90 0 dB SwT 227.3	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT	Hopping	Emission	n ( ▼ 8.06 dBm 95000 GH2 54.74 dBm
Band           pectrum           Ref Level 20.00           Matt           3GL Count 100/10           IPk Max           0 dBm           0 dBm           00 dBm           00 dBm	dBm Offset 7.90 0 dB SwT 227.3	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT	Hopping	Emission	n ( ▼ 8.06 dBm 95000 GH2 54.74 dBm
Band           pectrum           Ref Level 20.00           Matter 30           SGL Count 100/10           IPk Max           D dBm	dBm Offset 7.90 0 dB SWT 227.3 00	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT		2.4799 2.483	N 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz
Band           pectrum           tef Level 20.00           SGL Count 100/10           Dic Count 100           Dic Count 100 <td>dBm Offset 7.90 0 dB SWT 227.3 00</td> <td>1-DH5 2480MH</td> <td>Hz Ant1 No- Mode Auto FFT</td> <td></td> <td>2.4799 2.483</td> <td>N 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz</td>	dBm Offset 7.90 0 dB SWT 227.3 00	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT		2.4799 2.483	N 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz
Band           pectrum           tef Level 20.00           SGL Count 100/10           Dic Count 100           Dic Count 100 <td>dBm Offset 7.90 0 dB SWT 227.3 00</td> <td>1-DH5 2480MH</td> <td>Hz Ant1 No- Mode Auto FFT</td> <td></td> <td>2.4799 2.483</td> <td>N 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz</td>	dBm Offset 7.90 0 dB SWT 227.3 00	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT		2.4799 2.483	N 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz
Band           pectrum           tef Level 20.00           tt         33           isGL Count 100/10           IPk Max           dem           dem           nrdem           p1 -11           c0 dBm	dBm Offset 7.90 0 dB SWT 227.3 00	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT		2.4799 2.483	N 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz
Band           pectrum           tef Level 20.00           tt         33           isGL Count 100/10           IPk Max           dem           dem           ncRm         p1 -11           c0 cBm           c0 cBm           c0 cBm           c0 dBm           c0 dBm           c0 dBm           c0 dBm           c0 dBm	dBm Offset 7.90 0 dB SWT 227.3 00	1-DH5 2480MH	Hz Ant1 No- Mode Auto FFT		2.4799 2.483	N 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz
Band           pectrum           tef Level 20.00           ttt         30           SGL Count 100/10           IPk Max           Debm           0 dbm           0 dbm           10 dbm	dBm Offset 7.90 0 dB SWT 227.3 00	1-DH5 2480MH	Az Ant1 No-		2.479	N 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz
Band           pectrum           tef Level 20.00           tef Level 20.00           SGL Count 100/10           Pik Max           Defm           dBm           0 dBm           co dBm           co dBm           co dBm           co dBm           co dBm	dBm Offset 7.90 0 dB SWT 227.3 00	1-DH5 2480MH D dB RBW 100 kHz 5 µs VBW 300 kHz VBW 300 kHz	Hz Ant1 No-           Mode         Auto FFT           M1[1]           M2[1]           Image: Market Mark		Emission	R 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz
Band           pectrum           tef Level 20.00           tt 33           iGL Count 100/10           Pk Max           Deem           dBm	dBm Offset 7.90 0 dB SwT 227.3 00 .,363 dBm	1-DH5 2480MH 0 dB RBW 100 kHz 5 µs VBW 300 kHz 0 dB RBW 100 kHz 0 dB RBW 100 kHz 0 dB RBW 100 kHz 0 dB RBW 100 kHz 100 kHz 100 hz 100 1 pt Y-value	Az Ant1 No-		2.479	R 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz
Band           Spectrum           Ref Level 20.00           Att 3(1)           SGL Count 100/10           IPk Max           0 d8m           10 d8m	dBm Offset 7.90 0 dB SWT 227.3 00 .363 dBm .363 dBm 	1-DH5 2480MH	Hz Ant1 No-           Mode         Auto FFT           M1[1]           M2[1]           Image: Market Mark		Emission	R 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz
Band           Spectrum           Ref Level 20.00           Att 33           SGL Count 100/10           IPK Max           0 dBm           10 dBm           10 dBm           10 dBm	dBm Offset 7.90 0 dB SWT 227.3 00 .,363 dBm 	1-DH5 2480MH	Hz Ant1 No-           Mode         Auto FFT           M1[1]           M2[1]           Image: Market Mark		Emission	R 8.06 dBm 95000 GHz 54.74 dBm 50000 GHz





spectrun			-	-DH5 2402			Ŭ	
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B	] and Ec		1	15 2402MH	]	Hopping		8
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B Spectrun Ref Level Att	and Ec 20.00 dBm 30 dB	Offset 7.	90 dB 📦	15 2402MF RBW 100 kHz	]			n
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B Spectrum Ref Level Att SGL Count 1Pk Max	and Ec 20.00 dBm 30 dB	Offset 7.	90 dB 📦	15 2402MF RBW 100 kHz	Iz Ant1 No-		Emissic	n (₩) 5.80 dBm
B Spectrum Ref Level Att SGL Count 1Pk Max	and Ec 20.00 dBm 30 dB	Offset 7.	90 dB 📦	15 2402MF RBW 100 kHz	Hz Ant1 No- Mode Auto FFT		Emissic	5.80 dBm 05000%⊆Hz
B Spectrum Ref Level Att SGL Count 1Pk Max 0 dBm	and Ec 20.00 dBm 30 dB	Offset 7.	90 dB 📦	15 2402MF RBW 100 kHz	HZ ANt1 NO-		Emissic	n (₩) 5.80 dBm
B Spectrun Ref Level Att SGL Count 1Pk Max 0 dBm	and Ec 20.00 dBm 30 dB	Offset 7.	90 dB 📦	15 2402MF RBW 100 kHz	Hz Ant1 No- Mode Auto FFT		Emissic	5.80 dBm 05000/242 48.07 #Bm
B Spectrum Ref Level Att SGL Count 1Pk Max 0 dBm	and Ec 20.00 dBm 30 dB 100/100	Offset 7. SWT 227	90 dB 📦	15 2402MF RBW 100 kHz	Hz Ant1 No- Mode Auto FFT		Emissic	5.80 dBm 05000/242 48.07 #Bm
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B Spectrum Ref Level Att SGL Count 1PK Max 0 dBm dBm 10 dBm 20 dBm	and Ec 20.00 dBm 30 dB 100/100	Offset 7. SWT 227	90 dB 📦	15 2402MF RBW 100 kHz	Hz Ant1 No- Mode Auto FFT		Emissic	5.80 dBm 05000/242 48.07 #Bm
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B Spectrum Ref Level Att SGL Count 1Pk Max 0 dBm	and Ec 20.00 dBm 30 dB 100/100	Offset 7. SWT 227	90 dB 7.5 μs	H5 2402MH RBW 100 kHz VBW 300 kHz	Hz Ant1 No- Mode Auto FFT M1[1] M2[1]		2:402 2:400	5.80 dBm 5.80 dBm 05000/gH2 48.07 #Bm 06000/gH2 M2
B Spectrum Ref Level Att SGL Count 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm	and Ec 20.00 dBm 30 dB 100/100	Offset 7. SWT 227	90 dB 📦	H5 2402MH RBW 100 kHz VBW 300 kHz	Hz Ant1 No- Mode Auto FFT M1[1] M2[1]		2:400	5.80 dBm 5.80 dBm 05000/gH2 48.07 #Bm 06000/gH2 M2
B Spectrum Ref Level Att SGL Count 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm	and Ec 20.00 dBm 30 dB 100/100	Offset 7. SWT 227	90 dB 7.5 μs	H5 2402MH RBW 100 kHz VBW 300 kHz	Hz Ant1 No- Mode Auto FFT		2:400	5.80 dBm 5.80 dBm 05000/gH2 48.07 #Bm 06000/gH2 M2
B Spectrum Ref Level Att SGL Count 1Pk Max 0 dBm dBm 20 dBm 20 dBm 30 dBm 30 dBm 40 dBm 50 dBm	and Ec 20.00 dBm 30 dB 100/100	Offset 7. SWT 227	90 dB 7.5 μs	H5 2402MH RBW 100 kHz VBW 300 kHz	Hz Ant1 No- Mode Auto FFT M1[1] M2[1]		2:400	5.80 dBm 5.80 dBm 05000/gH2 48.07 mBm 06000/gH2 M2
B Spectrum Ref Level Att SGL Count 1Pk Max 0 dBm dBm 20 dBm 20 dBm 30 dBm 40 dBm 50 dBm	and Ec 20.00 dBm 30 dB 100/100	Offset 7. SWT 227	90 dB 7.5 μs	H5 2402MH RBW 100 kHz VBW 300 kHz	Hz Ant1 No- Mode Auto FFT M1[1] M2[1]		2:400	5.80 dBm 5.80 dBm 05000/gH2 48.07 mBm 06000/gH2 M2
B Spectrum Ref Level Att SGL Count 1Pk Max 0 dBm dBm dBm 20 dBm 20 dBm 30 dBm 30 dBm 50 dBm 50 dBm 70 dBm	20.00 dBm 30 dB 100/100	Offset 7. SWT 227	90 dB 7.5 μs	H5 2402MH RBW 100 kHz VBW 300 kHz	Hz Ant1 No-		Emissic	5.80 dBm 5.80 dBm 05000/gH2 48.07 mBm 06000/gH2 M2
B Spectrum Ref Level Att SGL Count 1Pk Max 0 dBm dBm 10 dBm 10 dBm 20 dBm 30 dBm 30 dBm 50 dBm 50 dBm 70 dBm	20.00 dBm 30 dB 100/100	Offset 7. SWT 227	90 dB 7.5 μs	15 2402MH RBW 100 kHz YBW 300 kHz 100 kHz 10	Hz Ant1 No-		Emissic	5.80 dBm 05000/GHz 48.07 €Bm 06000/GHz
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Spectrun           Ref Level           Att           SGL Count           IPK Max           0 dBm           10 dBm           10 dBm           20 dBm           30 dBm           40 dBm           50 dBm           70 dBm           70 dBm           30 dBm           10 dBm	and Ec 20.00 dBm 30 dB 100/100 01 -14,128 01 -14,128 0 01 -14,128	Offset 7. SWT 227	90 dB = 7.5 μs =	H5 2402MH RBW 100 kHz VBW 300 kHz M4 M4 M4 1001 pt 1001 pt 5.80 dBm	Hz Ant1 No-	Josqueintederauen	Emissic	5.80 dBm 5.80 dBm 05000/GH2 48.07 Bm 00000/GH2 48.07 Bm 00000/GH2 48.07 Bm 00000/GH2 2.406 GH2
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Band           pectrum           ef Level 20.00           tt 3           GL Count 100/1           Pk Max           DdBm           DdBm           D dBm           B dBm           D dBm	dBm         Offset           0 dB         SWT           000         SWT           2,434         dBm           2,434         dBm           1         2,434           1         2,434	7.90 dB 227.5 µs	H5 2480M	Mode Auto FFT		2.483	00 6.05 dBm 05000 GHz 48.04 dBm 56000 GHz 48.04 dBm 44.04 dBm 44.04 dBm 56000 GHz 2.576 GHz





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		dge NVNT	- 3-DH	5 2402M	IHz Ant	1 No-H	opping	Emissio	n	
Spectrur Ref Level	n 20.00 dBm	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz			opping	Emissio	n	₽
pectrur Ref Level Att	n 20.00 dBm 30 dE	n Offset 7.9	90 dB 📦 R				opping	Emissio	n	₽
Spectrur	n 20.00 dBm 30 dE	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz	Mode A	uto FFT.	opping	Emissio	n	
Spectrur Ref Level Att SGL Count	n 20.00 dBm 30 dE	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz	Mode A		opping		4.01	dBm
Spectrun Ref Level Att SGL Count 1Pk Max	n 20.00 dBm 30 dE	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz	Mode A	uto FFT.	opping	2.402	4.01	dBm GHz
Spectrun Ref Level Att SGL Count 1Pk Max 0 dBm	n 20.00 dBm 30 dE	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz	Mode A	uto FFT.	opping	2.402	4.01	dBm GHz Bm
ipectrun Ref Level Att SGL Count 1Pk Max 0 dBm	n 20.00 dBm 30 dE	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz	Mode A	uto FFT.	opping	2.402	4.01 05000 48.42	dBm GHz Bm
ipectrun Ref Level Att SGL Count 1Pk Max 0 dBm	n 20.00 dBm 30 dE 100/100	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz	Mode A	uto FFT.	opping	2.402	4.01 05000 48.42	dBm GHz Bm
epectrum Ref Level SGL Count 1Pk Max D dBm	n 20.00 dBm 30 dE	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz	Mode A	uto FFT.	opping	2.402	4.01 05000 48.42	dBm GHz Bm
pectrur Ref Level Att GGL Count IPK Max 0 dBm dBm dBm 20 dBm 20 dBm	n 20.00 dBm 30 dE 100/100	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz	Mode A	uto FFT.	opping	2.402	4.01 05000 48.42	dBm GHz Bm
Spectrur Ref Level Att SGL Count IPK Max 0 dBm	n 20.00 dBm 30 dE 100/100	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz	Mode A	uto FFT.	opping	2.402	4.01 05000 48.42	dBm GHz Bm
Spectrur Ref Level Att SGL Count	n 20.00 dBm 30 dE 100/100	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz	Mode A	uto FFT.	opping	2.402	4.01 05000 48.42 00000	dBm GHz Bm
Spectrum Ref Level Att SGL Count 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm	n 20.00 dBm 30 dE 100/100	n Offset 7.9	90 dB 📦 R	<b>BW</b> 100 kHz	Mode A	uto FFT.	opping	2.402	4.01 05000 48.42	dBm GHz Bm
Spectrum Ref Level Att SGL Count IPK Max 0 dBm	n 20.00 dBm 30 dE 100/100	8 dBm	20 dB R .5 µs V М4	BW 100 kHz BW 300 kHz	Mode A M1 M2	uto FFT [1] [1]		2.402	4.01 05000 48.42 00000	dBm GHz Bm
pectrum tef Level tt GL Count IPK Max 0 dBm	n 20.00 dBm 30 dE 100/100	n Offset 7.9	20 dB R .5 µs V М4	BW 100 kHz BW 300 kHz	Mode A M1 M2	uto FFT [1] [1]	opping	2.402	4.01 05000 48.42 00000	dBm GHz Bm
pectrum tef Level tt GL Count IPk Max D dBm dBm 0 dBm 0 d	n 20.00 dBm 30 dE 100/100	8 dBm	20 dB R .5 µs V М4	BW 100 kHz BW 300 kHz	Mode A M1 M2	uto FFT [1] [1]		2.402	4.01 05000 48.42 00000	dBm GHz Bm
pectrum lef Level itt GL Count IPk Max 0 dBm	n 20.00 dBm 30 dE 100/100	8 dBm	20 dB R .5 µs V М4	BW 100 kHz BW 300 kHz	Mode A M1 M2	uto FFT [1] [1]		2.402	4.01 05000 48.42 00000	dBm GHz Bm
pectrum tef Level tt GL Count IPK Max D dBm	n 20.00 dBm 30 dE 100/100	8 dBm	20 dB R .5 µs V М4	BW 100 kHz BW 300 kHz	Mode A M1 M2	uto FFT [1] [1]		2.402 2.400	4.01 05000 48.42 00000 MP	dBm GHz Bm GHz
pectrum           Ref Level           Att           SGL Count           IPK Max           D dBm           dBm           dBm           20 dBm           30 dBm           40 dBm	n 20.00 dBm 30 dE 100/100	8 dBm	20 dB R .5 µs V М4	BW 100 kHz BW 300 kHz	Mode A	uto FFT [1] [1]		2.402 2.400	4.01 05000 48.42 00000	dBm GHz Bm GHz
Spectrum           Ref Level           Att           SGL Count           IPK Max           0 dBm           dBm           dBm           20 dBm           30 dBm           30 dBm           40 dBm           50 dBm           50 dBm           70 dBm           70 dBm           70 dBm           arker	n 20.00 dBm 30 dE 100/100 01 -16,31	8 dBm	20 dB R .5 µs V М4	BW 100 kHz BW 300 kHz	Mode A	uto FFT [1] 2[1] ภ.ษ. ¹ พฟ _พ -พ		2.402 2.400	4.01 05000 48.42 06600 MP	dBm GHz Bm GHz
Spectrum           Ref Level           Att           SGL Count           SGL Count           IPK Max           0 dBm           dBm           10 dBm           20 dBm           30 dBm           40 dBm           50 dBm           50 dBm           70 dBm           70 dBm           To dBm           S0 dBm           <	n 20.00 dBm 30 dE 100/100 	Offset         7.5           3         SWT         227           3         SWT         227           8         dBm         1	M4 GHz	BW 100 kHz BW 300 kHz	Mode A	uto FFT [1] 2[1] ภ.ษ. ¹ พฟ _พ -พ		2.402 2.400	4.01 05000 48.42 06600 MP	dBm GHz Bm GHz
Spectrum           Ref Level           Att           SGL Count           SGL Count           IPK Max           0 dBm           dBm           10 dBm           20 dBm           30 dBm           40 dBm           50 dBm           50 dBm           70 dBm           rtart 2.30           arker           Ive Re           M1	n 20.00 dBm 30 dE 100/100 	Offset         7.5           3         SWT         227           3         SWT         227           8         dBm         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1	M4 GHz GHz	BW 100 kHz BW 300 kHz	Mode A M1 M2	uto FFT [1] 2[1] ภ.ษ. ¹ พฟ _พ -พ		2.402 2.400	4.01 05000 48.42 06600 MP	dBm GHz Bm GHz
Spectrum           Ref Level           Att           SGL Count           SGL Count           IPK Max           0 dBm           dBm           10 dBm           10 dBm           30 dBm           40 dBm           50 dBm           70 dBm           MI	n 20.00 dBm 30 dE 100/100 	Offset         7.5           3         SWT         227           3         SWT         227           8         dBm         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1           9         1         1	M4 GHz GHz GHz GHz	BW 100 kHz BW 300 kHz	Mode A M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto FFT [1] 2[1] ภ.ษ. ¹ พฟ _พ -พ		2.402 2.400	4.01 05000 48.42 06600 MP	dBm GHz Bm GHz





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Ref Level 2	0.00 dBm	Offset 7.9	0 dB 💼 1	RBW 100 kHz					(*)
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Ba pectrum ef Level 2 tt	Ind Ed	Offset 7.	90 dB 🖷	H5 2480№	1Hz Ant1		opping I		on
Ba pectrum ef Level 2 tt GL Count 1	Ind Ed	Offset 7.	90 dB 🖷	H5 2480M	1Hz Ant1		opping I		on
Ba pectrum lef Level 2 .tt GL Count 1	Ind Ed	Offset 7.	90 dB 🖷	H5 2480M	1Hz Ant1	to FFT	opping I		on (♥)
Ba pectrum tef Level 2 .tt IGL Count 1 IPk Max	Ind Ed	Offset 7.	90 dB 🖷	H5 2480M	1Hz Ant1	to FFT	opping I	Emissic	on
Ba pectrum tef Level 2 ttt iGL Count 1 IPk Max	Ind Ed	Offset 7.	90 dB 🖷	H5 2480M	1Hz Ant1	to FFT.	opping I	Emissic	000 000 6.31 dBm 005000 GHz -50.19 dBm
Ba pectrum ef Level 2 tt GL Count 1 LPk Max	Ind Ed	Offset 7.	90 dB 🖷	H5 2480M	1Hz Ant1 Mode Au	to FFT.	opping I	Emissic	00 6.31 dBm 005000 GHz
Ba pectrum ef Level 2 tt GL Count 1 IPk Max	Ind Ed	Offset 7. SWT 227	90 dB 🖷	H5 2480M	1Hz Ant1 Mode Au	to FFT.	opping I	Emissic	000 000 6.31 dBm 005000 GHz -50.19 dBm
Ba pectrum ef Level 2 tt GL Count 1 IPk Max dBm dBm dBm dBm	Ind Ed	Offset 7. SWT 227	90 dB 🖷	H5 2480M	1Hz Ant1 Mode Au	to FFT.	opping I	Emissic	000 000 6.31 dBm 005000 GHz -50.19 dBm
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Ba pectrum ef Level 2 tt GL Count 1 IPk Max Didem dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm	100 Ed. 0.00 dBm 30 dB 00/100	Offset 7. SWT 223	90 dB 7.5 µs	H5 2480N	1Hz Ant1 Mode Au M1[ M2]	to FFT.		2.480 2.480	00 6.31 dBm 005000 GHz -50.19 dBm 55000 GHz
Ba pectrum ef Level 2 tt GL Count 1 IPk Max Drd&m Drd&m D d&m D d&m D d&m D d&m D d&m D d&m D d&m	100 Ed. 0.00 dBm 30 dB 00/100	Offset 7. SWT 223	90 dB 7.5 µs	H5 2480M	1Hz Ant1 Mode Au M1[ M2]	to FFT.		2.480 2.480	00 6.31 dBm 005000 GHz -50.19 dBm 55000 GH2
Ba pectrum ef Level 2 tt GL Count 1 Pk Max Jidem dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm	100 Ed. 0.00 dBm 30 dB 00/100	Offset 7. SWT 223	90 dB 7.5 µs	H5 2480N	1Hz Ant1 Mode Au M1[ M2]	to FFT.		2.480 2.480	00 6.31 dBm 005000 GHz -50.19 dBm 55000 GH2
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Ba pectrum ef Level 2 tt GL Count 1 IPK Max Didem dBm 0 dBm 0 dBm	0.00 dBm 30 dB 00/100	Offset 7. SWT 223	90 dB 7.5 µs	H5 2480N	1Hz Ant1 Mode Au M1[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[	to FFT.		2.480 2.480	00 6.31 dBm 005000 GHz -50.19 dBm 55000 GH2
Ba pectrum ef Level 2 tt GL Count 1 Pk Max DdBm D dBm D d	Ind Ed 0.00 d8m 30 d8 00/100 1 <11,953 00/100 GHz	dBm	90 dB 7.5 μs	H5 2480N	1Hz Ant1 Mode Au M1[ M2]	to FFT.		Emissic 2.480 2.483	00 6.31 dBm 005000 GHz -50.19 dBm 550.00 GHz
Ba pectrum lef Level 2 tt GL Count 1 IPk Max odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odBm odB	Ind Ed 0.00 d8m 30 d8 00/100 1 <11,953 00/100 GHz	Offset 7. SWT 223	90 dB 7.5 μs	H5 2480N	1Hz Ant1 Mode Au M1[ M2[ pts Functio	to FFT.		2.480 2.480	00 6.31 dBm 005000 GHz -50.19 dBm 550.00 GHz
pectrum ef Level 2 tt GL Count 1 IPk Max Didam dan Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam Didam	0.00 dBm 30 dB 00/100 1 -11,953 01 -11,953 01 -11,953 01 -11,953 01 -11,953 01 -11,953 01 -11,953	Offset 7. SWT 223 dBm dBm via via via via via via via via via via	90 dB 7.5 μs	H5 2480N	1Hz Ant1 Mode Au M1[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[	to FFT.		Emissic 2.480 2.483	00 6.31 dBm 005000 GHz -50.19 dBm 550.00 GHz
Ba pectrum tef Level 2 tt GL Count 1 IPK Max DGBm 0 dBm 0	0.00 dBm 30 dB 00/100 1 -11,953 44X.A.A.M GHz 1 Trc 1	Offset 7. SWT 223	90 dB 7.5 μs	H5 2480N	1Hz Ant1 Mode Au M1[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M	to FFT.		Emissic 2.480 2.483	00 6.31 dBm 005000 GHz -50.19 dBm 550.00 GHz





## 8.8 BAND EDGE(HOPPING)

	(-						
Condition	Mode	Frequency	Antenna	Hopping	Max Value	Limit	Verdict
		(MHz)		Mode	(dBc)	(dBc)	
NVNT	1-DH5	2402	Ant1	Hopping	-58.05	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-60.52	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-56.59	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-58.81	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-56.36	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-59.7	-20	Pass





Hz Hz Mode Auto FFT MI[1]			f
Hz Mode Auto FFT		2,4058	7.78 dBm
Hz Mode Auto FFT		2,4058	7.78 dBm 2820 GHz MI
		2,4058	7.78 dBm 2820 GHz M1
MI[1]	m	2,4058	7.78 dBm 2820 GHz M1
MI[1]	m	2,4058	7.78 dBm 2820 GHz M1
hh	m	2.4058	2820 GHz
	m	m	
			m
	V V		$\langle f \rangle$
Y	V	V	20
kHz	-		<b>₩</b>
KH2 MODE AULU FF	al.		
M1[1]			7.76 dBm
M2[1]			3.39 dem
(inter ex			
			/YUU
-			_
		MS	Ma
muchantarensel	Americanicality	Min the work of the second	mand
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		and the second se	
	- 1	1 i i	
01 pts		Stop 2.	406 GHz
			406 GHz
Function	Funct	Stop 2. tion Result	406 GHz
Bm dBm	Func		406 GHz
E Function	Funct		406 GHz
1	KHZ KHZ Mode Auto FF M1[1] M2[1]	15 2402MHz Ant1 Hoppir	Miline Auto FFT.         MILINAL 2.40311         MILINAL 2.40011





pectrum		<b>~</b> \ r1		IVNT 1-DH					
Ref Level Att	20.00 dBm 30 dB 8000/8000	SWT 1		RBW 100 kHz YBW 300 kHz	Mode Auto	FFT			
1Pk Max		1		T I	M1[1	1			8,56 dBm
					in the	4	b	2.476	03600 GHz
0 dBm	3	hund	5	n m					
dem		$\downarrow \downarrow$							
V	2	P			1				
.0 dBm			-	V	1		1,	1,	1
0 dBm				1				d = 1	· · · · · · · · ·
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0 dBm									
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Banc	) d Edge(	Hoppin	g) NVN	1001 pt		z Ant1	Hoppir		ssion
Banc pectrum tef Level	d Edge(	Offset	7.90 dB 🖷	NT 1-DH5 2 RBW 100 kHz	2480MH		Hoppir		sion
Banc pectrum tef Level att GGL Count	ן <u>tEdge</u> ( יידרי	Offset SWT 2	7.90 dB 🖷	NT 1-DH5 2	2480MH		Hoppir		sion
Banc pectrum tef Level att GGL Count	20.00 dBm 30 dB	Offset SWT 2	7.90 dB 🖷	NT 1-DH5 2 RBW 100 kHz	2480MH Mode Autr	o FFT.	Hoppir		ssion
Banc pectrum tef Level att IGL Count IPk Max	20.00 dBm 30 dB	Offset SWT 2	7.90 dB 🖷	NT 1-DH5 2 RBW 100 kHz	2480MH Mode Auto M1[1	o FFT.	Hoppir	ng Emis	8.53 dBm 05000 GHz
Banc pectrum Ref Level Mt IGL Count IPk Max	20.00 dBm 30 dB	Offset SWT 2	7.90 dB 🖷	NT 1-DH5 2 RBW 100 kHz	2480MH Mode Autr	o FFT.	Hoppir	ng Emis 2.476	8.53 dBm
Banc pectrum tef Level tt GGL Count 1Pk Max 0 dBm	1 Edge( 20.00 dBm 30 dB 1200/1200	Offset SWT 2:	7.90 dB 🖷	NT 1-DH5 2 RBW 100 kHz	2480MH Mode Auto M1[1	o FFT.	Hoppir	ng Emis 2.476	8.53 dBm 0.5000 GHz 53.61 dBm
Banc pectrum tef Level ttt IPk Max dBm	20.00 dBm 30 dB	Offset SWT 2:	7.90 dB 🖷	NT 1-DH5 2 RBW 100 kHz	2480MH Mode Auto M1[1	o FFT.	Hoppir	ng Emis 2.476	8.53 dBm 0.5000 GHz 53.61 dBm
Banc pectrum tef Level tt IGL Count LPk Max dBm dBm 0 dBm	1 Edge( 20.00 dBm 30 dB 1200/1200	Offset SWT 2:	7.90 dB 🖷	NT 1-DH5 2 RBW 100 kHz	2480MH Mode Auto M1[1	o FFT.	Hoppir	ng Emis 2.476	8.53 dBm 0.5000 GHz 53.61 dBm
Banc pectrum lef Level tt GL Count IPk Max 0 dBm 0 dBm 0 dBm	1 Edge( 20.00 dBm 30 dB 1200/1200	Offset SWT 2:	7.90 dB 🖷	NT 1-DH5 2 RBW 100 kHz	2480MH Mode Auto M1[1	o FFT.	Hoppir	ng Emis 2.476	8.53 dBm 0.5000 GHz 53.61 dBm
Banc pectrum tef Level ttt GL Count 1Pk Max 0 dBm 0 dBm 0 dBm 0 dBm	1 Edge( 20.00 dBm 30 dB 1200/1200	Offset SWT 2:	7.90 dB 🖷	NT 1-DH5 2 RBW 100 kHz	2480MH Mode Auto M1[1	o FFT.	Hoppir	ng Emis 2.476	8.53 dBm 0.5000 GHz 53.61 dBm
pectrum Ref Level SGL Count IPK Max D dBm dBm dBm 20 dBm 20 dBm 40 dBm	D 20.00 dBm 30 dB 1200/1200	Offset SWT 2:	7.90 dB	NT 1-DH5 2 RBW 100 kHz YBW 300 kHz	2480MH Mode Autr M1[1 M2[1	0 FFT		2.476 2.483	8.53 dBm 0.5000 GHz 53.61 dBm 50000 GHz
Banc pectrum tef Level ttt GL Count LPk Max 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm	1 Edge( 20.00 dBm 30 dB 1200/1200	Offset SWT 2:	7.90 dB	NT 1-DH5 2 RBW 100 kHz	2480MH Mode Autr M1[1 M2[1	0 FFT		2.476 2.483	8.53 dBm 0.5000 GHz 53.61 dBm 50000 GHz
Banc pectrum ef Level tt :GL Count IPk Max 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm	D 20.00 dBm 30 dB 1200/1200	Offset SWT 2:	7.90 dB	NT 1-DH5 2 RBW 100 kHz YBW 300 kHz	2480MH Mode Autr M1[1 M2[1	0 FFT		2.476 2.483	8.53 dBm 0.5000 GHz 53.61 dBm 50000 GHz
Banc pectrum ef Level tt :GL Count IPk Max 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm	D 20.00 dBm 30 dB 1200/1200	Offset SWT 2:	7.90 dB	NT 1-DH5 2 RBW 100 kHz YBW 300 kHz	2480MH Mode Autr M1[1 M2[1	0 FFT		2.476 2.483	8.53 dBm 0.5000 GHz 53.61 dBm 50000 GHz
Banc pectrum tef Level ttt SGL Count IPk Max 0 dBm 0 dBm	D1 -11,442	Offset SWT 2:	7.90 dB	NT 1-DH5 2 RBW 100 kHz YBW 300 kHz	2480MH Mode Autr M1[1 M2[1	0 FFT		2.476 2.483	8.53 dBm 0.5000 GHz 53.61 dBm 50000 GHz
Banc pectrum tef Level tt GL Count IPk Max 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 10 dBm 10 dBm 10 dBm	D1 -11.442	Offset SWT 2: dBm MB	7.90 dB 27.5 µs	NT 1-DH5 2 RBW 100 kHz VBW 300 kHz 	2480MH Mode Autr M1[1 M2[1	0 FFT	therequire	2.476 2.483	8.53 dBm 0.5000 GHz 53.61 dBm 50.000 GHz 50.000 GHz 2.576 GHz
Banc pectrum tef Level tt SGL Count IPK Max 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm 10 dBm 1	D1 -11,442	Offset SWT 2: dBm M3 M3 X-value 2.476	7.90 dB 27.5 µs	NT 1-DH5 2 RBW 100 kHz VBW 300 kHz	2480MH Mode Autr M1[1 M2[1	0 FFT	therequire	2.476 2.483	8.53 dBm 0.5000 GHz 53.61 dBm 50.000 GHz 50.000 GHz 2.576 GHz
Banc pectrum ref Level stt SGL Count IPk Max D dBm dBm dBm dBm dBm dBm dBm dBm	20.00 dBm 30 dB 1200/1200	Offset SWT 2: dBm M3 M3 X-value X-value 2.476 2.48	7.90 dB 27.5 μs	NT 1-DH5 2 RBW 100 kHz VBW 300 kHz	2480MH Mode Autr M1[1 M2[1	0 FFT	therequire	2.476 2.483	8.53 dBm 0.5000 GHz 53.61 dBm 50.000 GHz 50.000 GHz 2.576 GHz





Spectru	m								
Ref Leve Att	l 20.00 dBm 30 dB			RBW 100 kHz VBW 300 kHz	Mode A	uto FFT			t.
SGL Cour 1Pk Max	t 8000/8000			an 11 m-1	_		_		
an o produc					M	1[1]		-	6,76 dBm
10 dBm								2.405	15680 GHz
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dBm				por	mon	now	-Mhr	hormal	harry
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-50 dBm-	mound		-						
-60 dBm—									
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-70 dBm—				-	_		-		-
Ban	d Edge	Hoppinç	g) NVN	1001 r		] IHz Ant ²	1 Hoppin		n 8.0 MHz
Ban Spectru Ref Leve	Id Edge(	Offset 7	7.90 dB 🍙	NT 2-DH5 RBW 100 kHz	2402N		1 Hoppin		sion
Ban Spectru Ref Leve Att	ud Edge(	Offset 7	7.90 dB 🍙	IT 2-DH5	2402N	] IHz Ant [*] Auto FFT	1 Hoppin		sion
Ban Spectru Ref Leve Att SGL Cour	Id Edge( m 1 20.00 dBm 30 dB	Offset 7	7.90 dB 🍙	NT 2-DH5 RBW 100 kHz	24021V Mode /	Auto FFT	1 Hoppin		ssion (₩
Ban Spectru Ref Leve Att SGL Cour 1Pk Max	Id Edge( m 1 20.00 dBm 30 dB	Offset 7	7.90 dB 🍙	NT 2-DH5 RBW 100 kHz	24021V Mode /		1 Hoppin	ng Emis	ssion (₩ 6.23 dBm
Ban Spectru Ref Leve Att SGL Cour 1Pk Max	Id Edge( m 1 20.00 dBm 30 dB	Offset 7	7.90 dB 🍙	NT 2-DH5 RBW 100 kHz	2402N Mode	Auto FFT	1 Hoppin	ng Emis	6.23 dBm 6.23 dBm 85000 GHz 49.00 dBm
Ban Spectru Ref Leve Att SGL Cour 1Pk Max	Id Edge( m 1 20.00 dBm 30 dB	Offset 7	7.90 dB 🍙	NT 2-DH5 RBW 100 kHz	2402N Mode	Auto FFT.	1 Hoppin	ng Emis	5.23 dBm 85000 ⊊hz
Ban Spectru Ref Leve Att SGL Coun IPk Max 10 dBm- 0 dBm-	I 20.00 dBm 30 dB tt 1200/1200	Offset 7 SWT 22	7.90 dB 🍙	NT 2-DH5 RBW 100 kHz	2402N Mode	Auto FFT.	1 Hoppin	ng Emis	6.23 dBm 6.23 dBm 85000 GHz 49.00 dBm
Ban Spectru Ref Leve Att SGL Coun 1Pk Max 10 dBm- -10 dBm-	Id Edge( m 1 20.00 dBm 30 dB	Offset 7 SWT 22	7.90 dB 🍙	NT 2-DH5 RBW 100 kHz	2402N Mode	Auto FFT.	1 Hoppin	ng Emis	6.23 dBm 6.23 dBm 85000 GHz 49.00 dBm
Ban Spectru Ref Leve Att SGL Coun 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm-	I 20.00 dBm 30 dB tt 1200/1200	Offset 7 SWT 22	7.90 dB 🍙	NT 2-DH5 RBW 100 kHz	2402N Mode	Auto FFT.	1 Hoppin	ng Emis	6.23 dBm 6.23 dBm 85000 GHz 49.00 dBm
Ban Spectru Ref Leve Att SGL Cour 1Pk Max 10 dBm- -0 dBm- -10 dBm- -20 dBm-	I 20.00 dBm 30 dB tt 1200/1200	Offset 7 SWT 22	7.90 dB 🍙	NT 2-DH5 RBW 100 kHz	2402N Mode	Auto FFT.	1 Hoppin	ng Emis	6.23 dBm 6.23 dBm 85000 GHz 49.00 dBm
Ban Spectru Ref Leve Att SGL Coun 1Pk Max 10 dBm- -10 dBm- -20 dBm-	I 20.00 dBm 30 dB tt 1200/1200	Offset 7 SWT 22	7.90 dB 🍙	NT 2-DH5 RBW 100 kHz VBW 300 kHz	2402N Mode	Auto FFT.		ng Emis	6.23 dBm 6.23 dBm 85000 GHz 49.00 dBm
Ban Spectru Ref Leve Att SGL Coun 1Pk Max 10 dBm	I 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	7.90 dB 27.5 μs	NT 2-DH5 RBW 100 kHz VBW 300 kHz	2402N Mode / M	Auto FFT		2.403 2.400	6.23 dBm 85000 GHz 49.00 dBm 00000 AMW
Ban Spectru Ref Leve Att SGL Cour 1Pk Max 10 dBm- -0 dBm- -10 dBm- -20 dBm- -30 dBm- -50 dBm-	I 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	7.90 dB 27.5 μs	NT 2-DH5 RBW 100 kHz YBW 300 kHz	2402N Mode	Auto FFT		2.403 2.400	6.23 dBm 85000 GHz 49.00 dBm 00000 AMW
Ban Spectru Ref Leve Att SGL Coun 1Pk Max 10 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -50 dBm-	I 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	7.90 dB 27.5 μs	NT 2-DH5 RBW 100 kHz VBW 300 kHz	2402N Mode / M	Auto FFT		2.403 2.400	6.23 dBm 85000 GHz 49.00 dBm 00000 AMW
Ban           Spectru           Ref Leve           Att           SGL Coun           1PK Max           1D dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -60 dBm	I 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	7.90 dB 27.5 μs	NT 2-DH5 RBW 100 kHz VBW 300 kHz	2402N Mode / M	Auto FFT		2.403 2.400	6.23 dBm 85000 GHz 49.00 dBm 00000 AMW
Ban           Spectru           Ref Leve           Att           SGL Cour           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -50 dBm           -70 dBm	1 20.00 dBm 30 dB 1 20.00 dBm 30 dB 1 200/1200	Offset 7 SWT 22	7.90 dB 27.5 μs	NT 2-DH5 RBW 100 kHz VBW 300 kHz	2402N Made / 	Auto FFT		ng Emis	6.23 dBm 85000 GHz 49.00 dBm 00000 AMW
Ban Spectru Ref Leve Att SGL Coun 1Pk Max 10 dBm- -0 dBm- -20 dBm- -20 dBm- -30 dBm- -50 dBm- -50 dBm- -70 dBm- -70 dBm-	1 20.00 dBm 30 dB t 1200/1200	dBm	7.90 dB 27.5 μs	NT 2-DH5 RBW 100 kHz VBW 300 kHz 100 kHz 1001 g	2402W Mode / M M	Auto FFT	ashered of property from	2.403 2.400	6.23 dBm 85000 GH2 49.00 dBm 00000 GH2 49.00 dBm 00000 GH2 2.406 GH2
Ban           Spectru           Ref Leve           Att           SGL Count           IPK Max           ID dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -70 dBm           Start 2.31           Marker           Type   R	d Edge( m 1 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22 dBm	7.90 dB	NT 2-DH5 RBW 100 kHz VBW 300 kHz 100 kHz N4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M	2402N Mode /  M	Auto FFT	ashered of property from	ng Emis	6.23 dBm 85000 GH2 49.00 dBm 00000 GH2 49.00 dBm 00000 GH2 2.406 GH2
Ban Spectru Ref Leve Att SGL Cour 1Pk Max 10 dBm- -10 dBm- -10 dBm- -10 dBm- -20 dBm- -30 dBm- -30 dBm- -30 dBm- -70 dBm	d Edge( m 1 20.00 dBm 30 dB 1 200/1200 01 -13.242 01 -13.242 06 GHz ef Trc 1 1	Offset 7 SWT 22 dBm dBm www.w.u.u.u.u.u.u.u.u.u.u.u.u.u.u.u.u.u	2.90 dB 27.5 μs	NT 2-DH5 RBW 100 kHz VBW 300 kHz	2402W	Auto FFT	ashered of property from	2.403 2.400	6.23 dBm 85000 GH2 49.00 dBm 00000 GH2 49.00 dBm 00000 GH2 2.406 GH2
Spectru           Ref Leve           Att           SGL Coun           IPk Max           ID dBm—           0 dBm—           -10 dBm—           -20 dBm—           -30 dBm—           -40 dBm—           -50 dBm—           -50 dBm—           -50 dBm—           -50 dBm—           -50 dBm—           -50 dBm—           -60 dBm—           -70 dBm—           Start 2.30           Marker	d Edge( m 1 20.00 dBm 30 dB t 1200/1200 01 -13,242 01 -13,242 01 -13,242 01 -13,242 01 -13,242 01 -13,242	Offset 7 SWT 22 dBm dBm x-value 2.403 2 2.1	7.90 dB 27.5 µs	NT 2-DH5 RBW 100 kHz VBW 300 kHz	2402W	Auto FFT	ashered of property from	2.403 2.400	6.23 dBm 85000 GH2 49.00 dBm 00000 GH2 49.00 dBm 00000 GH2 2.406 GH2





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ipectrui Ref Leve Att	d Edge( m 1 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	7.90 dB <b>β 1</b> 27.5 μs <b>6</b> ¹	T 2-DH5	2480M	uto FFT.		2.480 2.480	6.29 dBm 005000 GHz 53.20 dBm 50000 GHz
Ban pectrui tef Leve tt GGL Coun IPk Max DGBm- Co dBm- 20 dBm- 20 dBm- 30 dBm- 50 dBm- 50 dBm-	d Edge( m 1 20.00 dBm 30 dB t 1200/1200	Offset 5 SWT 22	7.90 dB <b>β 1</b> 27.5 μs <b>6</b> ¹	T 2-DH5	2480M	uto FFT.	Hoppin	2.480 2.480	6.29 dBm 005000 GHz 53.20 dBm 553.00 dHz
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Ban Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm-	d Edge( n 1 20.00 dBm 30 dB	Offset 7	.90 dB 🍙	IT 3-DH5 RBW 100 kHz	24021V Mode ,	Auto FFT.	1 Hoppir	ng Emis 2.405	5.34 dBn
Ban Spectrui Ref Level Att SGL Coun ) IPk Max 10 dBm	d Edge( 1 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	.90 dB 🍙	IT 3-DH5 RBW 100 kHz	24021V Mode ,	Auto FFT.	1 Hoppir	ng Emis 2.405	5.34 dBn 55.34 dBn 55.00 Gk 51.17 dBn
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Ban Spectrum Ref Level Att SGL Coun 1Pk Max 10 dBm	d Edge( 1 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	.90 dB 🍙	IT 3-DH5 RBW 100 kHz	24021V Mode ,	Auto FFT.	1 Hoppir	ng Emis 2.405	5.34 dBn 55.34 dBn 55.00 Gk 51.17 dBn
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Ban Spectrum Ref Level Att SGL Coun 10 dBm- 10 dBm- -10 dBm- -20 dBm- -30 dBm- -40 dBm-	d Edge( 1 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	.90 dB — .7.5 µs —	RBW 100 kHz VBW 300 kHz	2402N Mode M	Auto FFT.		2.405 2.400	5.34 dBn 55.34 dBn 55.00 Gk 51.17 dBn
Ban           Spectrum           Ref Level           Att           SGL Coun           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	d Edge( 1 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	.90 dB — .7.5 µs —	RBW 100 kHz VBW 300 kHz	2402N Mode M	Auto FFT.		2.405 2.400	5.34 dBn 55.34 dBn 55.00 Gk 51.17 dBn
Ban Spectrui Ref Level Att SGL Coun 1Pk Max 10 dBm- -0 dBm- -0 dBm- -0 dBm- -30 dBm- -30 dBm- -50 dBm-	d Edge( 1 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	.90 dB — .7.5 µs —	IT 3-DH5 RBW 100 kHz	2402N Mode M	Auto FFT.		2.405 2.400	5.34 dBn 55.34 dBn 55.00 Gk 51.17 dBn
Ban           Spectruit           Ref Level           Att           SGL Coun           1PK Max           1D dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -60 dBm	d Edge( 1 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	.90 dB — .7.5 µs —	RBW 100 kHz VBW 300 kHz	2402N Mode M	Auto FFT.		2.405 2.400	5.34 dBn 55.34 dBn 55.00 Gk 51.17 dBn
Ban           Spectruit           Ref Level           Att           SGL Coun           1PK Max           1D dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -60 dBm	d Edge( 1 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 22	.90 dB — .7.5 µs —	RBW 100 kHz VBW 300 kHz	2402N Mode M	Auto FFT.		2.405 2.400	5.34 dBn 55.34 dBn 55.00 Gk 51.17 dBn
Ban           Spectrum           Ref Level           Att           SGL Coun           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -50 dBm           -60 dBm           -70 dBm           -70 dBm	D1 -13,028	Offset 7 SWT 22	.90 dB — .7.5 µs —	RBW 100 kHz VBW 300 kHz	2402N Mode / M	Auto FFT.		2.405 2.400	5.34 dBn 55.34 dBn 55.00 Gk 51.17 dBn
Ban Spectrui Ref Level Att SGL Coun 1Pk Max 1Pk Max 10 dBm- -0 dBm- -20 dBm- -20 dBm- -30 dBm- -40 dBm- -50 dBm- -70 dBm- -70 dBm- -70 dBm-	d Edge( n 20.00 dBm 30 dB 1200/1200 01 -13,029 01 -13,029 01 -13,029 01 -13,029 01 -13,029 01 -13,029 01 -13,029	dBm	.90 dB .7.5 µs	RBW 100 kHz VBW 300 kHz	2402N Mode / M M	Auto FFT.	monunato	2.405 2.400	5.34 dBn 15000 GH 51.17 dBn 00000, 44 00000, 44 0000, 44 00000, 44 0000, 44 0000000, 44 0000000000
Ban Spectrum Ref Level Att SGL Coun 1Pk Max 1Pk Max 10 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm- -30 dBm- -50 dBm- -70 dB	d Edge( n 20.00 dBm 30 dB 1200/1200 D1 -13,028 01 -13,028 06 GHz ef [ Trc ]	Offset 7 SWT 22 dBm	.90 dB 7.5 µs	RBW 100 kHz yBW 300 kHz	2402N Mode /      	Auto FFT.	monunato	2.405 2.400	5.34 dBn 15000 GH 51.17 dBn 00000, 44 00000, 44 0000, 44 00000, 44 0000, 44 0000000, 44 0000000000
Ban           Spectrum           Ref Level           Att           SGL Coun           IPK Max           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           -50 dBm           -70 dBm           -70 dBm           Start 2.30           M1           M2	d Edge( n 20.00 dBm 30 dB 1200/1200 01 -13,028 01 -13,028 0	Offset 7 SWT 22 dBm dBm www.www.www.www. www.www. www. www. w	.90 dB 7.5 µs	T 3-DH5 RBW 100 kHz yBW 300 kHz	2402N Mode / M M M M	Auto FFT.	monunato	2.405 2.400	5.34 dBn 15000 GH 51.17 dBn 00000, 44 00000, 44 0000, 44 0000000, 44 0000, 44 0000000000
Ban           Spectrui           Ref Level           Att           SGL Coun           1PK Max           1D dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -70 dBm           Start 2.30           Type           Rr	d Edge( 1 20.00 dBm 30 dB 1 200/1200 D1 -13.028 0 00000000000000000000000000000000000	Offset 7 SWT 22 dBm dBm withu juneout x-value 2.4051 2 2.3	.90 dB .7.5 μs	T 3-DH5 RBW 100 kHz YBW 300 kHz 100	24021V Mode / M M M M 	Auto FFT.	monunato	2.405 2.400	5.34 dBn 15000 GH 51.17 dBn 00000, 44 00000, 44 0000, 44 0000000, 44 0000, 44 0000000000





Att		Offset 7.	.90 dB 🐞 )	IVNT 3-DH	Mode A				₽
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Ban Spectrui Ref Level Att SGL Coun 1Pk Max D dBm D dBm 10 dBm 20 dBm 20 dBm	d Edge( 1 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 23	7.90 dB 🍺	NT 3-DH5	2480M Mode /	Auto FFT.	1 Hoppi	ng Emi 	5.18 dBm 705000 GHz -53.82 dBm
Ban Spectrur Ref Level Att SGL Coun 11Pk Max 10 dBm	d Edge( 1 20.00 dBm 30 dB t 1200/1200	Offset 7 SWT 23	7.90 dB 🍺	NT 3-DH5	2480M Mode /	Auto FFT.	1 Hoppi	ng Emi 	5.18 dBm 705000 GHz -53.82 dBm
Ban Spectrur Ref Level Att SGL Coun 11 Pk Max D dBm 20 dBm 20 dBm 20 dBm 30 dBm 50 dBm 50 dBm	d Edge( 1 20.00 dBm 30 dB t 1200/1200	offset 7 SWT 22	7.90 dB 🍺	NT 3-DH5	2480M Mode /	Auto FFT.		ng Emi 	SSION
Ban Spectrur Ref Level Att SGL Coun 1Pk Max 0 dBm 0 dBm 20 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm	d Edge( 1 20.00 dBm 30 dB t 1200/1200	offset 7 SWT 22	7.90 dB 27.5 µs	NT 3-DH5	2480N Mode / M	Auto FFT.		ng Emi 2.47 2.48	SSION
Ban Spectrur Ref Level Att SGL Coun 11Pk Max 0 dBm 10 dBm 20 dBm 30 dBm 30 dBm 50 dBm 50 dBm 50 dBm 70 dBm	d Edge( n 20.00 dBm 30 dB t 1200/1200	offset 7 SWT 22	7.90 dB 27.5 µs	NT 3-DH5	2480N Mode / 	Auto FFT.		2.47 2.48	SSION
Ban Spectrur Ref Level Att SGL Coun 11Pk Max D dBm D dBm 20 dBm 20 dBm 20 dBm 30 dBm 50 dBm 50 dBm 50 dBm 70 dBm 70 dBm	d Edge( n	Offset 5 SWT 22	7.90 dB 27.5 µs	NT 3-DH5	2480M Mode / M M	Auto FFT.		ng Emi	SSION 5.18 dBm 705000 GH2 53.82 dBm 350000 GH2 1000 GH2 100
Ban Spectrur Ref Level Att SGL Coun 1Pk Max 0 dBm 10 dBm 10 dBm 20 dBm 30 dBm 30 dBm 50 dBm 50 dBm 70 dBm 70 dBm	d Edge( n	Offset 3 SWT 22 dBm dBm	7.90 dB 27.5 µs	NT 3-DH5	2480W	Auto FFT.		2.47 2.48	SSION 5.18 dBm 705000 GH2 53.82 dBm 350000 GH2 1000 GH2 100



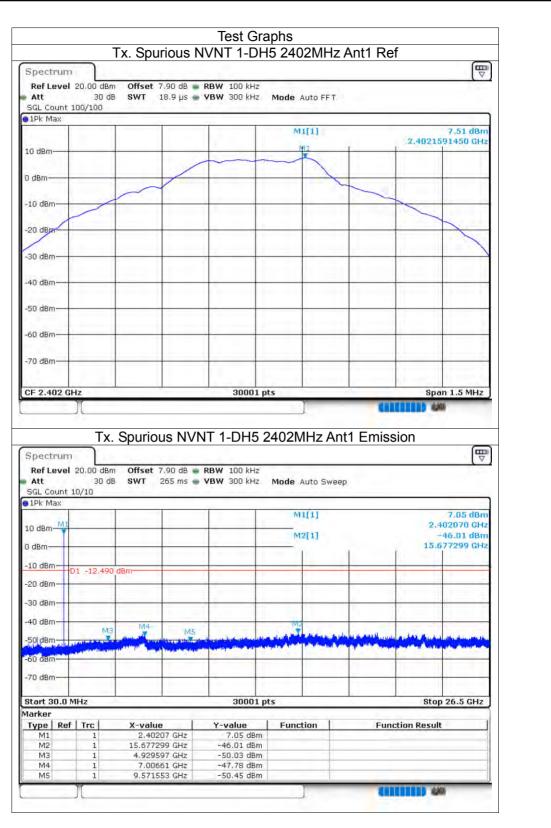


# 8.9 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency	Antenna	Max Value	Limit	Verdict
		(MHz)		(dBc)	(dBc)	
NVNT	1-DH5	2402	Ant1	-53.52	-20	Pass
NVNT	1-DH5	2441	Ant1	-53.58	-20	Pass
NVNT	1-DH5	2480	Ant1	-53.74	-20	Pass
NVNT	2-DH5	2402	Ant1	-51.79	-20	Pass
NVNT	2-DH5	2441	Ant1	-51.5	-20	Pass
NVNT	2-DH5	2480	Ant1	-51.21	-20	Pass
NVNT	3-DH5	2402	Ant1	-51.37	-20	Pass
NVNT	3-DH5	2441	Ant1	-51.54	-20	Pass
NVNT	3-DH5	2480	Ant1	-50.35	-20	Pass

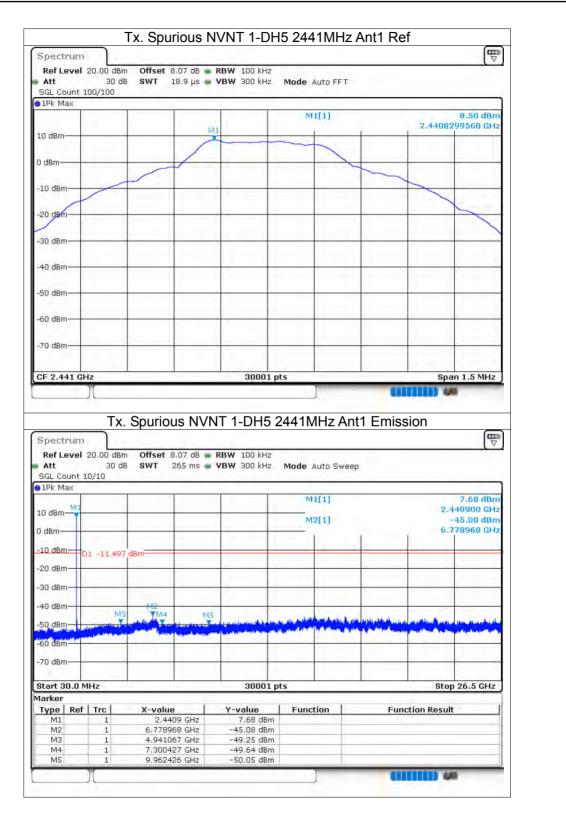






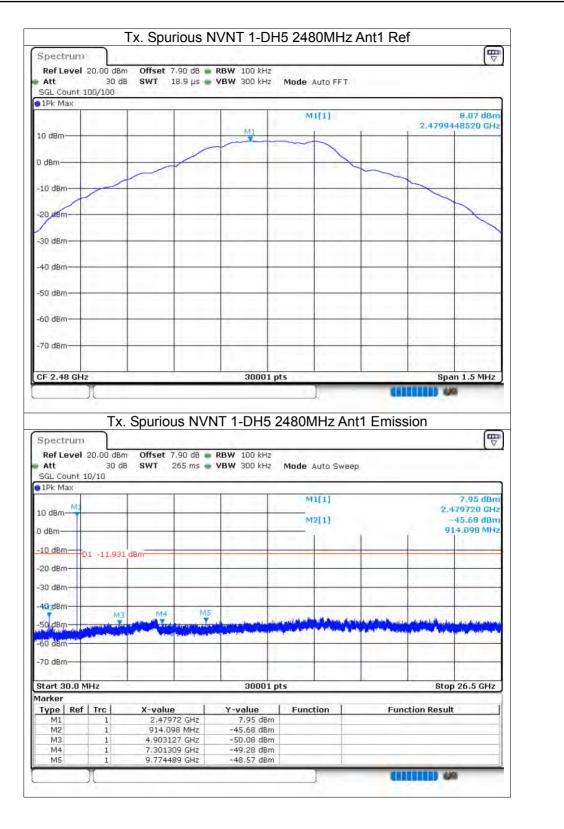






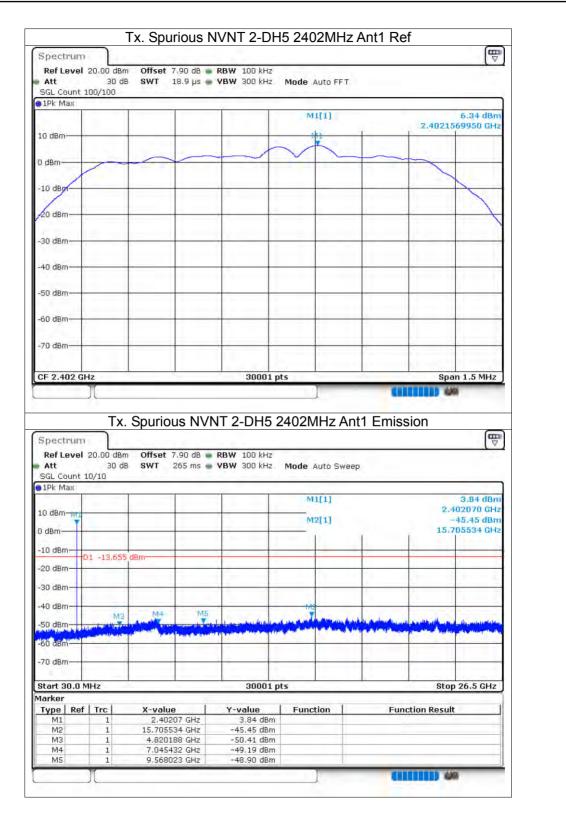












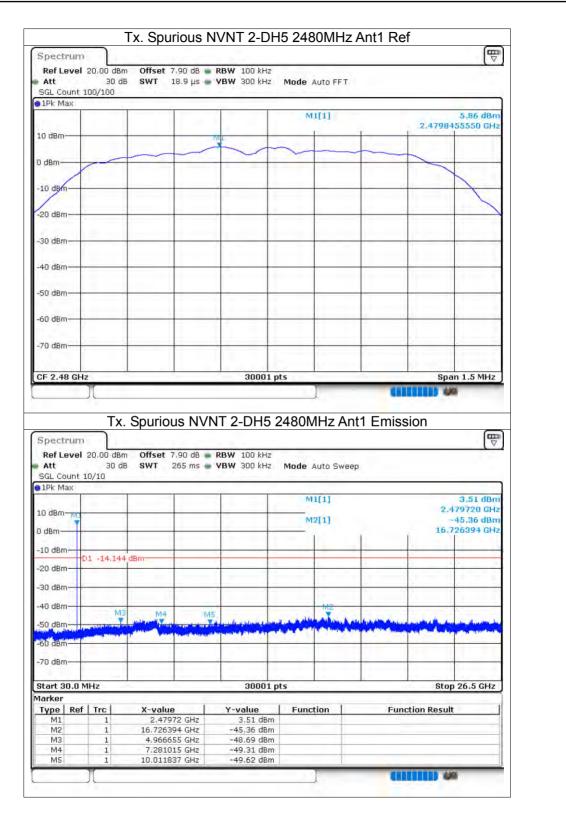




Spectrum					
Ref Level 20.00 di	Bm Offset 8.07 dB	RBW 100 kHz	V		
Att 30	dB SWT 18.9 µs	• VBW 300 kHz	Mode Auto FFT		
SGL Count 100/100 1Pk Max					
IFK Max			M1[1]		6.01 dBm
			increase.		2.4409878000 GHz
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dBm					
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o ubm		1.			
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F 2.441 GHz		30001 p			Span 1.5 MHz
				CHICU	
J(T			2441MHz Ar		
	x. Spurious NV	'NT 2-DH5 2	2441MHz Ar	nt1 Emission	
Spectrum			2441MHz Ar	nt1 Emission	n (77
Spectrum Ref Level 20.00 di	Bm Offset 8.07 dB	RBW 100 kHz		_	
Ref Level 20.00 di Att 30 SGL Count 10/10	Bm Offset 8.07 dB			_	
Ref Level 20.00 di Att 30 SGL Count 10/10	Bm Offset 8.07 dB	RBW 100 kHz	Mode Auto Swee	_	
Spectrum Ref Level 20.00 di Att 30 SGL Count 10/10 1Pk Max	Bm Offset 8.07 dB	RBW 100 kHz		_	4.05 dBm
Pectrum Ref Level 20,00 dl Att 30 SGL Count 10/10 IPk Max 0 dBm M1	Bm Offset 8.07 dB	RBW 100 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm
Spectrum Ref Level 20.00 dl Att 30 SGL Count 10/10 1Pk Max 0 dBm M1	Bm Offset 8.07 dB	RBW 100 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz
Spectrum Ref Level 20.00 dl Att 30 SGL Count 10/10 1Pk Max 0 dBm dBm 10 dBm	Bm Offset 8.07 dB dB SWT 265 ms	RBW 100 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm
Spectrum Ref Level 20.00 di Att 30 SGL Count 10/10 1Pk Max 0 0 dBm	Bm Offset 8.07 dB dB SWT 265 ms	RBW 100 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm
Pectrum Ref Level 20,00 di Att 30 GGL Count 10/10 1Pk Max 0 dBm dBm 10 dBm 20 dBm 20 dBm	Bm Offset 8.07 dB dB SWT 265 ms	RBW 100 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm
pectrum Ref Level 20,00 di Att 30 GL Count 10/10 LPK Max 0 dBm 0 dBm 0 dBm 0 dBm 0 dBm	Bm Offset 8.07 dB dB SWT 265 ms	RBW 100 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm
Pectrum Ref Level 20.00 dl Att 30 GGL Count 10/10 IPk Max 0 dBm-	Bm Offset 8.07 dB dB SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm
Spectrum Ref Level 20.00 dl Att 30 SGL Count 10/10 IPk Max 0 0 dBm 0 10 dBm 01 20 dBm 01 30 dBm 0	Bm Offset 8.07 dB dB SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm
Spectrum Ref Level 20.00 dl Att 30 SGL Count 10/10 1PK Max 30 0 dBm 10 10 dBm 11 20 dBm 11 30 dBm 11 30 dBm 10 40 dBm 11 40 dBm 11	Bm Offset 8.07 dB dB SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm
pectrum Ref Level 20.00 dl Att 30 GL Count 10/10 IPk Max 0 dBm	Bm Offset 8.07 dB dB SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm
Spectrum Ref Level 20.00 dl Att 30 SGL Count 10/10 1Pk Max 0 0 dBm 0 10 dBm 01 20 dBm 01 30 dBm 0	Bm Offset 8.07 dB dB SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm
Spectrum Ref Level 20.00 di Att 30 SGL Count 10/10 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 70 dBm	Bm Offset 8.07 dB dB SWT 265 ms	RBW 100 kHz YBW 300 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm 16.723747 GHz
Spectrum Ref Level 20.00 dl Att 30 SGL Count 10/10 1Pk Max 0 0 dBm 0 10 dBm 01 20 dBm 01 30 dBm 0 40 dBm 01 70 dBm 0 70 dBm 0 70 dBm 0 70 dBm 0	Bm Offset 8.07 dB dB SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm
Spectrum Ref Level 20.00 dl Att 30 SGL Count 10/10 1Pk Max 0 0 dBm 0 10 dBm 0 10 dBm 0 10 dBm 0 30 dBm 0 40 dBm 0 50 dBm 0 70 dBm 0 70 dBm 0 70 dBm 0 71 dBm 0	Bm Offset 8.07 dB dB SWT 265 ms 88 dBm 13 M4 M	RBW 100 kHz YBW 300 kHz	Mode Auto Swee		4.05 dBm 2.440900 GHz -45.50 dBm 16.723747 GHz
Ref Level 20.00 di Att 30 3GL Count 10/10 1Pk Max 0 0 dBm 0 10 dBm 0 30 dBm 0 40 dBm 0 30 dBm 0 40 dBm 0 50 dBm 0 10 dBm 0	Bm Offset 8.07 dB dB SWT 265 ms 88 dBm 13 M4 M 13 M4 M 13 M4 M 14 M 13 M4 M	RBW 100 kHz YBW 300 kHz 300 kHz 300 kHz 300 kHz 300 kHz 300 kHz 30001 p Y-value 4.05 dBm	Mode Auto Swee	_	4.05 dBm 2.440900 GHz -45.50 dBm 16.723747 GHz
Spectrum Ref Level 20.00 dl Att 30 SGL Count 10/10 1Pk Max 0 0 dBm 0 10 dBm 0 20 dBm 0 30 dBm 0 40 dBm 0 50 dBm 0 50 dBm 0 70 dBm 0 10 dBm 0 70 dBm 0 10 dBm 0 10 dBm 0	Bm Offset 8.07 dB dB SWT 265 ms 88 dBm 88 dBm 13 M4 M 13 M4 M 14 M 14 M 14 M 15 M4 M 15 M4 M 15 M4 M	RBW 100 kHz VBW 300 kHz	Mode Auto Swee		4.05 dBm 2.440900 GHz -45.50 dBm 16.723747 GHz
Pectrum Ref Level 20.00 di Att 30 3GL Count 10/10 1Pk Max 0 0 dBm 0 dBm 0 0 dBm 0 0 dBm 0 30 dBm 0 30 dBm 0 30 dBm 0 40 dBm 0 50 dBm 0 <t< td=""><td>Bm Offset 8.07 dB dB SWT 265 ms 88 dBm 13 M4 M 13 M4 M 13 M4 M 14 M 13 M4 M</td><td>RBW 100 kHz YBW 300 kHz 300 kHz 300 kHz 300 kHz 300 kHz 300 kHz 30001 p Y-value 4.05 dBm</td><td>Mode Auto Swee</td><td></td><td>4.05 dBm 2.440900 GHz -45.50 dBm 16.723747 GHz</td></t<>	Bm Offset 8.07 dB dB SWT 265 ms 88 dBm 13 M4 M 13 M4 M 13 M4 M 14 M 13 M4 M	RBW 100 kHz YBW 300 kHz 300 kHz 300 kHz 300 kHz 300 kHz 300 kHz 30001 p Y-value 4.05 dBm	Mode Auto Swee		4.05 dBm 2.440900 GHz -45.50 dBm 16.723747 GHz
pectrum Ref Level 20.00 dl Att 30 GL Count 10/10 .Pk Max 0 dBm	Bm Offset 8.07 dB dB SWT 265 ms 88 dBm 13 M4 M 13 M4 M 13 M4 M 13 M4 M 13 M4 M 13 M4 M 14 M 15 M4 M 15 M4 M 16 723747 GHz 16.723747 GHz 4.80607 GHz	RBW 100 kHz VBW 300 kHz 5 5 5 7 7 7 7 7 7 7 7 7 7 7 7 8 8 7 7 7 8 8 8 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8	Mode Auto Swee		4.05 dBm 2.440900 GHz -45.50 dBm 16.723747 GHz







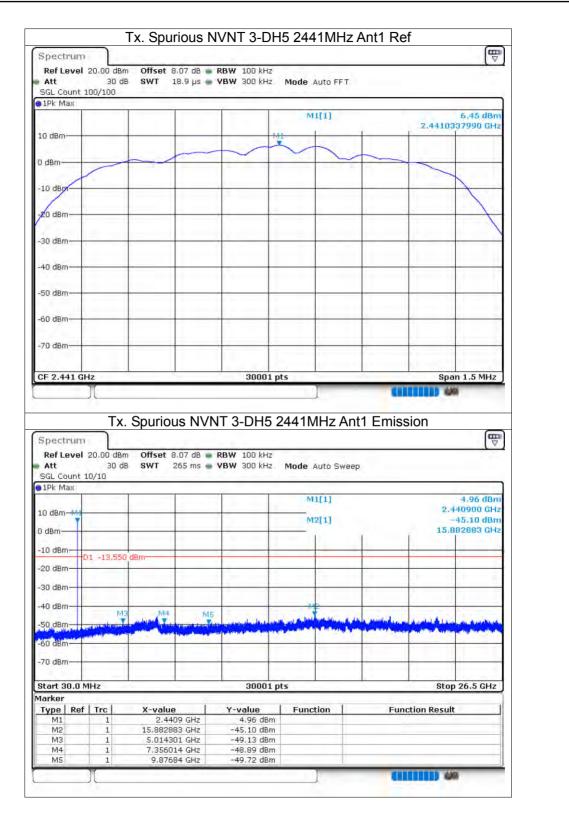




Spectrum) .		IVNT 3-DH					B
Ref Level 20.0	0 dBm Offset	7.90 dB 💼	RBW 100 kHz					1.
Att			VBW 300 kHz	Mode A	uto FFT			
SGL Count 100/1	.00	1121			1.12			
1Pk Max			7 E					-
				MI	[1]		0 40000	5,99 dBm
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F 2.402 GHz	-		30001	nts	-		Sna	n 1.5 MHz
'n o ofwiere	Tx. Spurio	us NVI	NT 3-DH5	2402M	Hz An	t1 Emiss	ion	
Ref Level 20.0	O dBm Offset	7.90 dB 📦	RBW 100 kHz				ion	
Ref Level 20.0 Att SGL Count 10/10	0 dBm Offset 30 dB SWT	7.90 dB 📦			Hz An		ion	E ♥
Ref Level 20.0 Att SGL Count 10/10	0 dBm Offset 30 dB SWT	7.90 dB 📦	RBW 100 kHz	Mode A	uto Sweep		ion	
Ref Level 20.0 Att SGL Count 10/10 1Pk Max	0 dBm Offset 30 dB SWT	7.90 dB 📦	RBW 100 kHz	Mode A				1,37 dBm
Ref Level 20.0 Att SGL Count 10/10 1Pk Max	0 dBm Offset 30 dB SWT	7.90 dB 📦	RBW 100 kHz	Mode A	uto Sweet		2.4	1.37 dBm 02070 GHz
Ref Level 20.0 Att SGL Count 10/10 1Pk Max	0 dBm Offset 30 dB SWT	7.90 dB 📦	RBW 100 kHz	Mode A	uto Sweep		2.4	1,37 dBm
Ref Level 20.0 Att SGL Count 10/10 11Pk Max 0 dBm 0 dBm	0 dBm Offset 30 dB SWT	7.90 dB 📦	RBW 100 kHz	Mode A	uto Sweet		2.4	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att SGL Count 10/10 1Pk Max 0 dBm 10 dBm	0 dBm Offset 30 dB SWT	7.90 dB 📦	RBW 100 kHz	Mode A	uto Sweet		2.4	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att	0 dBm Offset 30 dB SWT	7.90 dB 📦	RBW 100 kHz	Mode A	uto Sweet		2.4	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att	0 dBm Offset 30 dB SWT	7.90 dB 📦	RBW 100 kHz	Mode A	uto Sweet		2.4	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att SGL Count 10/10 IPk Max 0 dBm 0 IdBm M1 0 dBm 10 10 dBm D1 -1 -1 20 dBm -1 -1	0 dBm Offset 30 dB SWT	7.90 dB 📦	RBW 100 kHz	Mode A	uto Sweet		2.4	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 10/10 1Pk Max M1 0 0 dBm M1 0 10 dBm D1 -1 10 20 dBm 30 dBm 0	0 dBm Offset 30 dB SWT 4,015 dBm	7.90 dB 📦	RBW 100 kHz	Mode A	uto Sweet		2.4	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 10/10 11Pk Max MI 0 0 dBm MI 0 10 dBm D1 -1 20 dBm 30 dBm 40 dBm	0 dBm Offset 30 dB SWT 4,015 dBm	7.90 dB 📦	RBW 100 kHz	Mode A M1 M2	uto Sweet		2.4	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 11Pk Max L0 dBm M1 0 10 dBm D1 -1 -1 20 dBm 30 dBm 40 dBm	4,015 dBm	7.90 dB	RBW 100 kHz	Mode A M1 M2	uto Sweet		2.4	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 10/10 IPK Max M1 0 0 D dBm M1 0 0 0 1D dBm M1 0 0 0 0 30 dBm M1 0 0 0 0 0 0 30 dBm M1 0	0 dBm Offset 30 dB SWT 4,015 dBm	7.90 dB	RBW 100 kHz	Mode A M1 M2	uto Sweet		2.4	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 11/10 11Pk Max	0 dBm Offset 30 dB SWT 4,015 dBm	7.90 dB	RBW 100 kHz	Mode A M1 M2	uto Sweet		2.4	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 11/10 11Pk Max	0 dBm Offset 30 dB SWT 4,015 dBm	7.90 dB	RBW 100 kHz	Mode A M1 M2	uto Sweet		2.4	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 10/10 1Pk Max M1 0 0 dBm M1 0 10 dBm D1 -1 20 20 dBm 30 dBm 40 50 dBm 50 dBm 50 dBm 70 dBm 70 dBm 50 dBm	0 dBm Offset 30 dB SWT 4,015 dBm	7.90 dB	RBW 100 kHz	Mode A	uto Sweet		2.4 15.3	1,37 dBm 02070 GHz 45,38 dBm 87894 GHz
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 10/10 1Pk Max Mail 0 dBm Mail 0 10 dBm D1 -1 -1 20 dBm 30 dBm -1 30 dBm -1 -1 50 dBm -1 -1 50 dBm -1 -1 70 dBm -1 -1 70 dBm -1 -1 70 dBm -1 -1	0 dBm Offset 30 dB SWT 4,015 dBm	7.90 dB	RBW 100 kHz	Mode A	uto Sweet		2.4 15.3	1.37 dBm 02070 GHz 45.38 dBm
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 11/10 10 dBm //1 //1 10 dBm //1 //1 10 dBm //1 //1 20 dBm //1 //1 30 dBm //1 //1 40 dBm //1 //1 50 dBm //1 //1 60 dBm //1 //1 70 dBm //1 //1 30 dBm //1 //1 40 dBm //1 //1 40 dBm //1 //1 50 dBm //1 //1 60 dBm //1 //1 70 dBm //1 //1 3tart 30.0 MHz //1 //1	M3 M4	7.90 dB 265 ms MS MS	RBW 100 kHz VBW 300 kHz	Mode A	uto Sweep [1] [1]		2.4 15.3	1.37 dBm 02070 GHz 45.38 dBm 87894 GHz
Att SGL Count 10/10 11Pk Max 10 dBm	M3 M4	7.90 dB 265 ms MS MS	RBW 100 kHz	Mode A M1 M2	uto Sweep [1] [1]		2.4 15.3	1.37 dBm 02070 GHz 45.38 dBm 87894 GHz
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 10/10 11 Pk Max M1 0 10 dBm M1 0 0 10 dBm M1 0 0 0 10 dBm M1 0 0 0 0 10 dBm M1 0 0 0 0 0 10 dBm M1 0 <td>M3 M4 M3 M4 1 2.402 1 15.3876</td> <td>7.90 dB 265 ms MS MS 9.07 GHz 194 GHz</td> <td>RBW 100 kHz VBW 300 kHz</td> <td>Mode A M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2</td> <td>uto Sweep [1] [1]</td> <td></td> <td>2.4 15.3</td> <td>1.37 dBm 02070 GHz 45.38 dBm 87894 GHz</td>	M3 M4 M3 M4 1 2.402 1 15.3876	7.90 dB 265 ms MS MS 9.07 GHz 194 GHz	RBW 100 kHz VBW 300 kHz	Mode A M1 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto Sweep [1] [1]		2.4 15.3	1.37 dBm 02070 GHz 45.38 dBm 87894 GHz
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 10/10 ID dBm	M3 C X-valu	7.90 dB 265 ms MS MS Cr200 dB 107 GHz 107 GHz 171 GHz	RBW 100 kHz VBW 300 kHz	Mode A MI M2	uto Sweep [1] [1]		2.4 15.3	1.37 dBm 02070 GHz 45.38 dBm 87894 GHz
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 11Pk Max L0 dBm M1 0 10 dBm D1 -1 20 dBm 10 dBm D1 -1 30 dBm 40 dBm 50 dBm -10 50 dBm -10 -10 70 dBm -10 -10 60 dBm -10 -10 70 dBm -10 -10 70 dBm -10 -10 70 dBm -10 -10 70 dBm -10 -10 </td <td>4.015 dBm M3 M4 M3 M4 M3 M4 M4 M3 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4</td> <td>7.90 dB 265 ms MS MS 9.07 GHz 194 GHz</td> <td>RBW 100 kHz VBW 300 kHz</td> <td>Mode A</td> <td>uto Sweep [1] [1]</td> <td></td> <td>2.4 15.3</td> <td>1.37 dBm 02070 GHz 45.38 dBm 87894 GHz</td>	4.015 dBm M3 M4 M3 M4 M3 M4 M4 M3 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	7.90 dB 265 ms MS MS 9.07 GHz 194 GHz	RBW 100 kHz VBW 300 kHz	Mode A	uto Sweep [1] [1]		2.4 15.3	1.37 dBm 02070 GHz 45.38 dBm 87894 GHz
Ref Level 20.0 Att SGL Count 10/10 SGL Count 10/10 11Pk Max L0 dBm M1 0 10 dBm D1 -1 20 dBm 10 dBm D1 -1 30 dBm 40 dBm 50 dBm -10 50 dBm -10 -10 70 dBm -10 -10 60 dBm -10 -10 70 dBm -10 -10 70 dBm -10 -10 70 dBm -10 -10 70 dBm -10 -10 </td <td>A.015 dBm M3 M4 M3 M4 M3 M4 M3 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4</td> <td>7.90 dB 265 ms MS MS MS 107 GHz 194 GHz 171 GHz</td> <td>RBW 100 kHz VBW 300 kHz</td> <td>Mode A</td> <td>uto Sweep [1] [1]</td> <td></td> <td>2.4 15.3</td> <td>1.37 dBm 02070 GHz 45.38 dBm 87894 GHz</td>	A.015 dBm M3 M4 M3 M4 M3 M4 M3 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	7.90 dB 265 ms MS MS MS 107 GHz 194 GHz 171 GHz	RBW 100 kHz VBW 300 kHz	Mode A	uto Sweep [1] [1]		2.4 15.3	1.37 dBm 02070 GHz 45.38 dBm 87894 GHz











Spectrun	n								
	I 20.00 dBn			RBW 100 kHz		7.1			
Att SGL Count		SWT	18.9 µs 🖷	VBW 300 kHz	Mode Auto F	FT			
1Pk Max	100/100				-				
					M1[1]		1.000		4,97 dBm
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F 2.48 GI	Ηz			30001 p	ts			Span	1.5 MHz
Spectrun		Spuriou	us NVI	NT 3-DH5 2	2480MHz	Ant1 En	nission) 495	
Ref Leve Att	n I 20.00 dBn 30 dE	n Offset 7	7.90 dB 🖷	NT 3-DH5 2 RBW 100 kHz VBW 300 kHz			nission		E ▼
Ref Leve Att GGL Count	n I 20.00 dBn 30 dE	n Offset 7	7.90 dB 🖷	RBW 100 kHz	7.0 7 .0		nission		
Ref Leve Att GGL Count 1Pk Max	n I 20.00 dBn 30 dE	n Offset 7	7.90 dB 🖷	RBW 100 kHz	7.0 7 .0		nission		4.65 dBm
Ref Leve Att GGL Count 1Pk Max	n I 20.00 dBn 30 dE	n Offset 7	7.90 dB 🖷	RBW 100 kHz	Mode Auto S		nission	2.47	
Ref Leve Att GGL Count 1Pk Max 0 dBm-	n I 20.00 dBn 30 dE	n Offset 7	7.90 dB 🖷	RBW 100 kHz	Mode Auto S M1[1]		nission	2.47	4.65 dBm 9720 GHz
Ref Leve Att SGL Count 1Pk Max 0 dBm	n 20.00 dBn 30 dE 10/10	Offset 7	7.90 dB 🖷	RBW 100 kHz	Mode Auto S M1[1]		nission	2.47	4.65 dBm 9720 GHz 5.38 dBm
Ref Leve Att SGL Count 1Pk Max 0 dBm dBm 10 dBm	n I 20.00 dBn 30 dE	Offset 7	7.90 dB 🖷	RBW 100 kHz	Mode Auto S M1[1]		nission	2.47	4.65 dBm 9720 GHz 5.38 dBm
Ref Leve Att SGL Count 1Pk Max 0 dBm dBm 10 dBm 20 dBm	n 20.00 dBn 30 dE 10/10	Offset 7	7.90 dB 🖷	RBW 100 kHz	Mode Auto S M1[1]		nission	2.47	4.65 dBm 9720 GHz 5.38 dBm
Ref Leve Att SGL Count 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm	n 20.00 dBn 30 dE 10/10	Offset 7	7.90 dB 🖷	RBW 100 kHz	Mode Auto S M1[1]			2.47	4.65 dBm 9720 GHz 5.38 dBm
Ref Leve Att SGL Count 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm	n 20.00 dBn 30 dE 10/10	Offset 7	7.90 dB 🖷	RBW 100 kHz YBW 300 kHz	Mode Auto S M1[1]			2.47	4.65 dBm 9720 GHz 5.38 dBm
Ref Leve Att SGL Count 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm	n 30 dB 10/10	dBm	7.90 dB	RBW 100 kHz YBW 300 kHz	Mode Auto S M1[1]		nission	2.47	4.65 dBm 9720 GHz 5.38 dBm
Ref Leve Att SGL Count 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 40 dBm	n 30 dB 10/10	dBm	7.90 dB	RBW 100 kHz YBW 300 kHz	Mode Auto S M1[1]		nission	2.47	4.65 dBm 9720 GHz 5.38 dBm
Ref Leve Att GGL Count IPK Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm	n 30 dB 10/10	dBm	7.90 dB	RBW 100 kHz YBW 300 kHz	Mode Auto S M1[1]		nission	2.47	4.65 dBm 9720 GHz 5.38 dBm
Ref Leve Att GGL Count IPk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 70 dBm	n 30 dE 10/10	dBm	7.90 dB	RBW 100 kHz VBW 300 kHz	Mode Auto S M1[1] M2[1]			2.47 -4 15.93	4.65 dBm 9720 GHz 5.38 dBm 1411 GHz
Ref Leve Att GGL Count IPK Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 70 dBm 70 dBm 70 dBm	n 30 dE 10/10	dBm	7.90 dB	RBW 100 kHz YBW 300 kHz	Mode Auto S M1[1] M2[1]			2.47 -4 15.93	4.65 dBm 9720 GHz 5.38 dBm
Ref Leve Att SGL Count IPK Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 70 dBm tart 30.0 arker Type Re	n 30 dB 30 dB 10/10 01 -15.031 M3 M8 MHz f Trc	dBm	7.90 dB 265 ms Mi	RBW 100 kHz VBW 300 kHz	Mode Auto S M1[1] M2[1]	Sweep	Function R	2.47 -4 15.93	4.65 dBm 9720 GHz 5.38 dBm 1411 GHz
Ref Leve Att SGL Count IPK Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 70 dBm 70 dBm 70 dBm 70 dBm	n 30 dB 30 dB 10/10	dBm	7.90 dB 265 ms (M) (M) (M) (M) (M) (M) (M) (M) (M) (M)	RBW 100 kHz VBW 300 kHz	Mode Auto S	Sweep		2.47 -4 15.93	4.65 dBm 9720 GHz 5.38 dBm 1411 GHz
Ref Leve Att SGL Count IPK Max 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 70 dBm 7	n	dBm X-value 2.479 15.931 4.90313	7.90 dB 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto S	Sweep		2.47 -4 15.93	4.65 dBm 9720 GHz 5.38 dBm 1411 GHz
Ref Leve Att GGL Count IPK Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 40 dBm 50 dBm 40 dBm 40 dBm 40 dBm 40 dBm 40 dBm 50 dBm 70 dBm tart 30.0 arker Fype Re M1 M2	n 1 20,00 dBn 30 dE 10/10	dBm X-value 2.479 15.931 4.90313	7.90 dB 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto S	Sweep		2.47 -4 15.93	4.65 dBm 9720 GHz 5.38 dBm 1411 GHz
Ref Leve Att SGL Count IPK Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 30 dBm 50 dBm 50 dBm 70 dBm 60 dBm 70 dBm 70 dBm 80 dBm 70 dBm 70 dBm M1 M2 M3 M4	MHz	A Offset 7 3 SWT 2 dBm dBm km M4 km	7.90 dB 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto S	Sweep		2.47 -4 15.93	4.65 dBm 9720 GHz 5.38 dBm 1411 GHz

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