

# RADIO TEST REPORT<br/>FCC ID: ZSHR7SProduct:Mobile phoneTrade Mark:Kenxinda, Ken mobile, KXD, EL, E&LModel No.:R7SFamily Model:N/AReport No.:STR190705002001EIssue Date:30 Jul. 2019

# **Prepared for**

SHENZHEN KENXINDA TECHNOLOGY CO.,LTD 18TH FLOOR,FUCHUN ORIENT BUILDING, SHENNAN AV 7006, SHENZHEN, China

# Prepared by

Shenzhen NTEK Testing Technology Co., Ltd. 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen 518126 P.R. China Tel.: +86-755-6115 6588 Fax.: +86-755-6115 6599 Website:http://www.ntek.org.cn





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Certificate #4298.01

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# **1 TEST RESULT CERTIFICATION**

Applicant's name:	SHENZHEN KENXINDA TECHNOLOGY CO.,LTD
Address:	18TH FLOOR,FUCHUN ORIENT BUILDING, SHENNAN AV 7006, SHENZHEN, China
Manufacturer's Name:	SHENZHEN KENXINDA TECHNOLOGY CO.,LTD
Address:	18TH FLOOR,FUCHUN ORIENT BUILDING, SHENNAN AV 7006, SHENZHEN, China
Product description	
Product name:	Mobile phone
Model and/or type reference:	R7S
Family Model:	N/A

Measurement Procedure Used:

## APPLICABLE STANDARDS

STANDARD/ TEST PROCEDURE	TEST RESULT
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart C KDB 174176 D01 Line Conducted FAQ v01r01 ANSI C63.10-2013	Complied

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	:	05 Jul. 2019 ~ 25 Jul, 2019
		Krang. Hu
Testing Engineer	:	· \
		(Mary Hu)
		Tason oven
Technical Manager	:	0001
		(Jason Chen)
		Sam. Chen
Authorized Signatory	:	
		(Sam Chen)

# 

# 2 SUMMARY OF TEST RESULTS

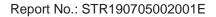
FCC Part15 (15.247), Subpart C					
Standard Section	Test Item	Verdict	Remark		
15.207	Conducted Emission	PASS			
15.209 (a) 15.205 (a)	Radiated Spurious Emission	PASS			
15.247(a)(1)	Hopping Channel Separation	PASS			
15.247(b)(1)	Peak Output Power	PASS			
15.247(a)(iii)	Number of Hopping Frequency	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:

1. "N/A" denotes test is not applicable in this Test Report.

2. All test items were verified and recorded according to the standards and without any deviation during the test.

This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.





# **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 Laboratory has been assessed and proved to be in compliance with
	CNAS-CL01:2006 (identical to ISO/IEC 17025:2005)
	The Certificate Registration Number is L5516.
IC-Registration	The Certificate Registration Number is 9270A.
-	CAB identifier:CN0074
FCC- Accredited	Test Firm Registration Number: 463705.
	Designation Number: CN1184
A2LA-Lab.	The Certificate Registration Number is 4298.01
	This laboratory is accredited in accordance with the recognized
	International Standard ISO/IEC 17025:2005 General requirements for
	the competence of testing and calibration laboratories.
	This accreditation demonstrates technical competence for a defined
	scope and the operation of a laboratory quality management system
	(refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).
Name of Firm	Shenzhen NTEK Testing Technology Co., Ltd.
Site Location	1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang
	Street, Bao'an District, Shenzhen 518126 P.R. China.

### 3.3 MEASUREMENT UNCERTAINTY

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

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



# 4 GENERAL DESCRIPTION OF EUT

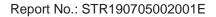
Product Feature and Specification		
Equipment	Mobile phone	
Trade Mark	Kenxinda, Ken mobile, KXD, EL, E&L	
FCC ID	ZSHR7S	
Model No.	R7S	
Family Model	N/A	
Model Difference	N/A	
Operating Frequency	2402MHz~2480MHz	
Modulation	GFSK, π/4-DQPSK, 8-DPSK	
Bluetooth Version	BT V4.0	
Number of Channels	79 Channels	
Antenna Type	LDS Antenna	
Antenna Gain	1.2dBi	
	DC supply: DC 3.85V/2650mAh from Battery or DC 5V from USB Port.	
Power supply	Adapter supply: Model: K12S Input: 100-240V~50/60Hz 0.25A Output: 5V1A	
HW Version	S1_MB_V2.0	
SW Version	MRA58K	

Note: 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**

Report No.	Version	Description	Issued Date
STR190705002001E	Rev.01	Initial issue of report	Jul 30, 2019





# 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  $\pi$ /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.

Frequency(MHz)
2402
2403
2441
2442
2479
2480

Note: fc=2402MHz+k×1MHz k=0 to 78

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

	For AC Conducted Emission	
Final Test Mode	Description	
Mode 1	normal link mode	

Note: 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 1Mbps 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 SETUP OF EQUIPMENT UNDER TEST

# 6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM

For AC Conducted Emission Mode

	AC PLUG
	EUT
or Radiated Test Ca	ases
	EUT
or Conducted Test	Cases
Measurement Instrument	C-1 EUT
	C-1 EUT

Note: 1. The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

2. EUT built-in battery-powered, the battery is fully-charged.



### 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	Mfr/Brand	Model/Type No.	Series No.	Note

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	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

Ť			iest equipment					
	Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
	1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2019.05.13	2020.05.12	1 year
	2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2018.10.08	2019.10.07	1 year
	3	Spectrum Analyzer	R&S	FSV40	101417	2018.10.08	2019.10.07	1 year
	4	Test Receiver	R&S	ESPI7	101318	2019.05.13	2020.05.12	1 year
	5	Bilog Antenna	TESEQ	CBL6111D	31216	2019.04.15	2020.04.14	1 year
	6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2018.05.19	2020.05.18	2 year
	7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2019.04.15	2020.04.14	1 year
	8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2018.12.11	2019.12.10	1 year
	9	Amplifier	EMC	EMC051835 SE	980246	2018.08.05	2019.08.04	1 year
	10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2018.12.11	2019.12.10	1 year
	11	Power Meter	DARE	RPR3006W	15I00041SN 084	2018.08.05	2019.08.04	1 year
	12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2017.04.21	2020.04.20	3 year
	13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2017.04.21	2020.04.20	3 year
	14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2017.04.21	2020.04.20	3 year
	15	High Test Cable(1G-40G Hz)	N/A	R-04	N/A	2017.04.21	2020.04.20	3 year
	16	Filter	TRILTHIC	2400MHz	29	2017.04.19	2020.04.18	3 year
	17	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



### Report No.: STR190705002001E

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	2019.05.13	2020.05.12	1 year	
2	LISN	R&S	ENV216	101313	2019.04.15	2020.04.14	1 year	
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2019.05.13	2020.05.12	1 year	
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2018.05.19	2020.05.18	2 year	
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2017.04.21	2020.04.20	3 year	
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2017.04.21	2020.04.20	3 year	
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2017.04.21	2020.04.20	3 year	

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# 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) and KDB 174176 D01 Line Conducted FAQ v01r01

### 7.1.2 Conformance Limit

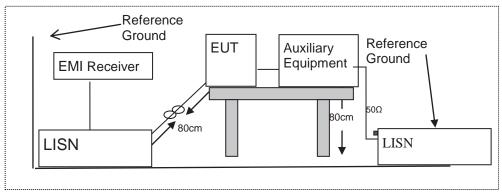
	Conducted Emission Limit			
Frequency(MHz)	Quasi-peak	Average		
0.15-0.5	66-56*	56-46*		
0.5-5.0	56	46		
5.0-30.0	60	50		
		1		

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



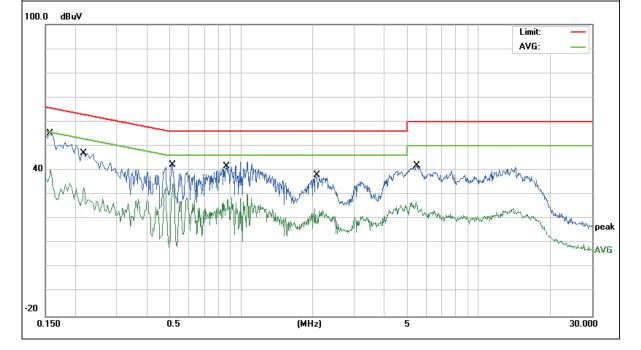
## 7.1.6 Test Results

EUT:	Mobile phone	Model Name :	R7S
Temperature:	<b>26</b> ℃	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	
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1580	45.50	9.75	55.25	65.56	-10.31	QP
0.1580	30.33	9.75	40.08	55.56	-15.48	AVG
0.2180	37.32	9.76	47.08	62.89	-15.81	QP
0.2180	23.05	9.76	32.81	52.89	-20.08	AVG
0.5140	32.45	9.74	42.19	56.00	-13.81	QP
0.5140	24.76	9.74	34.50	46.00	-11.50	AVG
0.8700	31.98	9.74	41.72	56.00	-14.28	QP
0.8700	19.12	9.74	28.86	46.00	-17.14	AVG
2.0980	28.18	9.78	37.96	56.00	-18.04	QP
2.0980	14.53	9.78	24.31	46.00	-21.69	AVG
5.4820	32.09	9.87	41.96	60.00	-18.04	QP
5.4820	17.31	9.87	27.18	50.00	-22.82	AVG

### Remark:

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





EUT:	Mobile phone	Model Name :	R7S
Temperature:	<b>26</b> ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

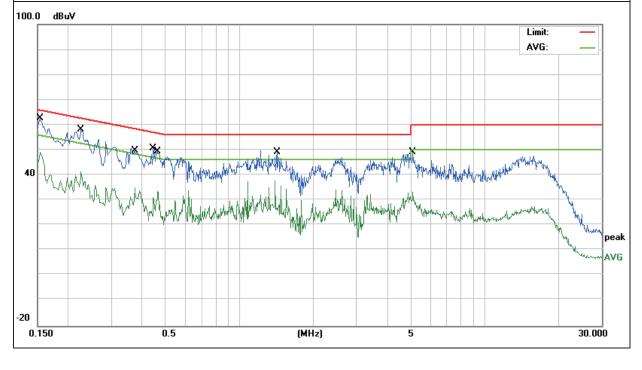
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Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demeril
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1539	45.76	9.74	55.50	65.78	-10.28	QP
0.1539	39.34	9.74	49.08	55.78	-6.70	AVG
0.2260	48.37	9.73	58.10	62.59	-4.49	QP
0.2260	31.66	9.73	41.39	52.59	-11.20	AVG
0.3750	39.38	9.75	49.13	58.39	-9.26	QP
0.3750	25.19	9.75	34.94	48.39	-13.45	AVG
0.4460	40.77	9.75	50.52	56.95	-6.43	QP
0.4660	23.72	9.75	33.47	46.58	-13.11	AVG
1.4220	39.46	9.76	49.22	56.00	-6.78	QP
1.4220	27.99	9.76	37.75	46.00	-8.25	AVG
5.0858	39.13	9.94	49.07	60.00	-10.93	QP
5.0858	23.16	9.94	33.10	50.00	-16.90	AVG

Remark:

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



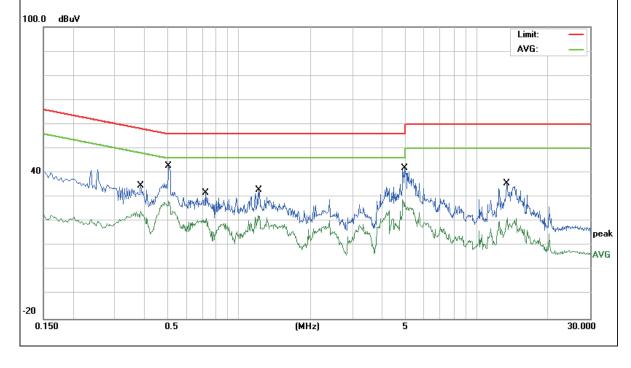


EUT:	Mobile phone	Model Name :	R7S
Temperature:	<b>26</b> ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 240V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.3860	25.00	9.74	34.74	58.15	-23.41	QP
0.3860	14.46	9.74	24.20	48.15	-23.95	AVG
0.5060	33.11	9.74	42.85	56.00	-13.15	QP
0.5060	18.71	9.74	28.45	46.00	-17.55	AVG
0.7219	22.01	9.74	31.75	56.00	-24.25	QP
0.7219	11.50	9.74	21.24	46.00	-24.76	AVG
1.2099	23.18	9.74	32.92	56.00	-23.08	QP
1.2099	12.80	9.74	22.54	46.00	-23.46	AVG
4.9618	32.08	9.87	41.95	56.00	-14.05	QP
4.9618	19.15	9.87	29.02	46.00	-16.98	AVG
13.3818	25.67	10.07	35.74	60.00	-24.26	QP
13.3818	11.52	10.07	21.59	50.00	-28.41	AVG

Remark:

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





EUT:	Mobile phone	Model Name :	R7S
Temperature:	<b>26</b> ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	Ν
Test Voltage :	DC 5V from Adapter AC 240V/60Hz	Test Mode:	Mode 1

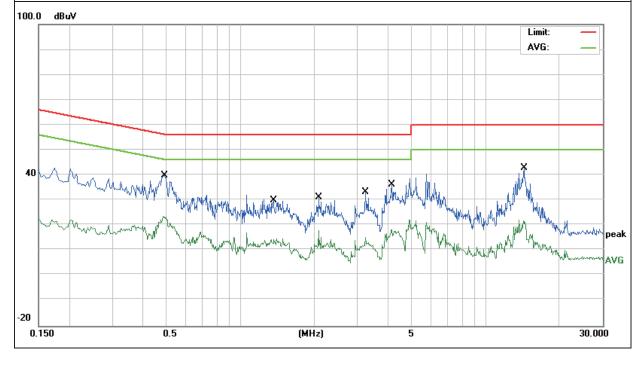
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Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.4899	30.05	9.75	39.80	56.17	-16.37	QP
0.4899	13.76	9.75	23.51	46.17	-22.66	AVG
1.3660	20.11	9.76	29.87	56.00	-26.13	QP
1.3660	5.03	9.76	14.79	46.00	-31.21	AVG
2.0819	21.44	9.79	31.23	56.00	-24.77	QP
2.0819	8.26	9.79	18.05	46.00	-27.95	AVG
3.2259	23.34	9.88	33.22	56.00	-22.78	QP
3.2259	5.29	9.88	15.17	46.00	-30.83	AVG
4.1379	26.38	9.92	36.30	56.00	-19.70	QP
4.1379	8.38	9.92	18.30	46.00	-27.70	AVG
14.3259	32.78	10.09	42.87	60.00	-17.13	QP
14.3259	12.11	10.09	22.20	50.00	-27.80	AVG

Remark:

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





### 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 00 1 art15.20	According to FOOT art 15.200, 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)		
Γιεφαειτογ(ινιπ2)	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.

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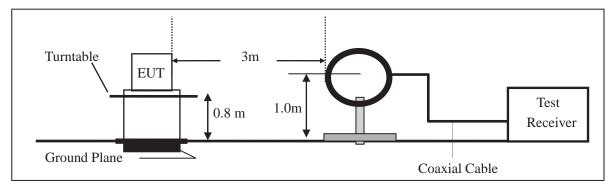


### 7.2.3 Measuring Instruments

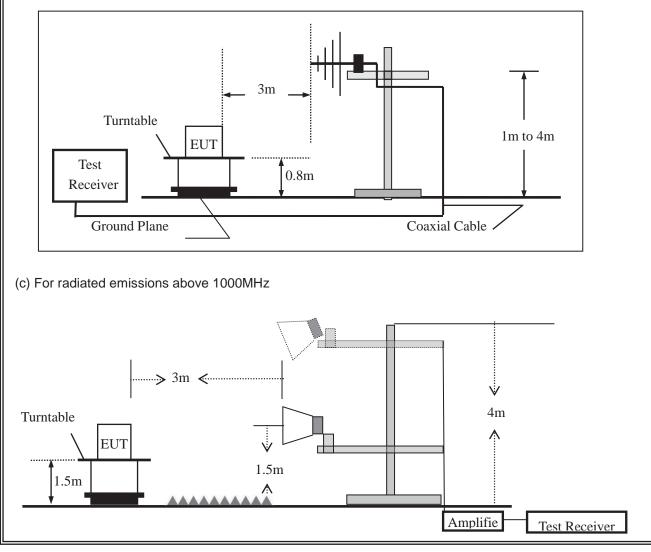
The Measuring equipment is listed in the section 6.3 of this test report.

### 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:

ose the following speetrum analyzer settinge	too and renowing opport and unaryzon obtaingo.				
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 / 10Hz for Average				

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

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.

b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

- d. For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- e. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- f. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.

g. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

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



During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 4000	Peak	1 MHz	1 MHz
Above 1000	Average	1 MHz	10 Hz

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

### 7.2.6 Test Results

Spurious Emission below 30MHz (9KHz to 30MHz)

EUT:	Mobile phone	Model No.:	R7S
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu

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

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



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

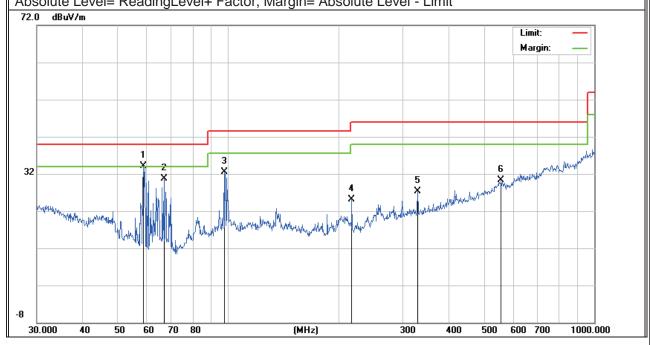
All the modulation modes have been tested, and the worst result was report as below:

EUT:	Mobile phone	Model Name :	R7S
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010hPa	Test Mode:	Mode 1
Test Voltage :	DC 3.85V		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	58.6126	27.45	6.66	34.11	40.00	-5.89	QP
V	66.7325	24.11	6.52	30.63	40.00	-9.37	QP
V	97.4560	21.36	11.22	32.58	43.50	-10.92	QP
V	217.5443	13.55	11.46	25.01	46.00	-20.99	QP
V	329.0389	10.59	16.75	27.34	46.00	-18.66	QP
V	556.7744	5.84	24.43	30.27	46.00	-15.73	QP

### Remark:

Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit





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Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	59.8588	27.66	6.50	34.16	40.00	-5.84	QP
Н	66.9669	21.95	6.51	28.46	40.00	-11.54	QP
Н	98.8326	19.80	11.49	31.29	43.50	-12.21	QP
Н	139.3613	20.22	13.31	33.53	43.50	-9.97	QP
Н	216.0240	16.36	11.10	27.46	46.00	-18.54	QP
H Remark	308.9126	15.60	16.32	31.92	46.00	-14.08	QP
72.0 dB	uV/m					Limit: – Margin: –	
32			4 X	5 X	Man Made and Man Market Mark	Contracting of the second s	
-8		Mar Marine					
30.000	40 50 60	70 80	(MHz)	300	) 400 500	600 700 10	000.000





Spurio	<ul> <li>Spurious Emission Above 1GHz (1GHz to 25GHz)</li> </ul>										
EUT:		Mobile	phone		Mod	el No.:		R7	S		
Temperatu	nperature: 20 °C R			Rela	tive Humic	lity:	48%				
Test Mode	:	Mode2	/Mode3/M	ode4	Test	: By:		Ma	ry Hu		
All the mod	ulation m	odes hav	e been tes	sted, a	nd the	e worst res	ult was	rep	ort as belo	ow:	
Frequenc		Cable	Antenna	Prea Fac		Emission Level	Limit	S	Margin		
y (MHz)	Level (dBµV)	loss (dB)	Factor dB/m	rac (dE		(dBµV/m)	(dBu)//	/m)	(dB)	Remark	Comment
(11112)	(uDµv)	(ub)			,	MHz)(GFS		,	, ,		
4804.704	62.16	5.21	35.59	44.		58.66	74.0		-15.34	Pk	Vertical
4804.704	42.39	5.21	35.59	44.		38.89	54.0		-15.11	AV	Vertical
7206.642	59.78	6.48	36.27	44.	60	57.93	74.0	0	-16.07	Pk	Vertical
7206.642	40.97	6.48	36.27	44.	60	39.12	54.0	0	-14.88	AV	Vertical
4804.471	60.09	5.21	35.55	44.	30	56.55	74.0	0	-17.45	Pk	Horizontal
4804.471	42.40	5.21	35.55	44.	30	38.86	54.0	0	-15.14	AV	Horizontal
7206.499	59.48	6.48	36.27	44.	52	57.71	74.0	0	-16.29	Pk	Horizontal
7206.499	48.35	6.48	36.27	44.52		46.58	54.0	0	-7.42	AV	Horizontal
Mid Channel (2441 MHz)(GFSK)Above 1G											
4882.814	65.33	5.21	35.66	44.	20	62.00	74.0	0	-12.00	Pk	Vertical
4882.814	45.24	5.21	35.66	44.	20	41.91	54.0	0	-12.09	AV	Vertical
7323.417	62.67	7.10	36.50	44.	43	61.84	74.0	0	-12.16	Pk	Vertical
7323.417	45.90	7.10	36.50	44.	43	45.07	54.0	0	-8.93	AV	Vertical
4882.56	62.60	5.21	35.66	44.	20	59.27	74.0	0	-14.73	Pk	Horizontal
4882.56	50.76	5.21	35.66	44.	20	47.43	54.0	0	-6.57	AV	Horizontal
7323.474	61.53	7.10	36.50	44.	43	60.70	74.0	0	-13.30	Pk	Horizontal
7323.474	47.44	7.10	36.50	44.	-	46.61	54.0	-	-7.39	AV	Horizontal
						MHz)(GFS					
4960.568	64.30	5.21	35.52	44.		60.82	74.0		-13.18	Pk	Vertical
4960.568	44.25	5.21	35.52	44.		40.77	54.0		-13.23	AV	Vertical
7440.546	65.39	7.10	36.53	44.		64.42	74.0		-9.58	Pk	Vertical
7440.546	41.83	7.10	36.53	44.		40.86	54.0		-13.14	AV	Vertical
4960.51	65.31	5.21	35.52	44.		61.83	74.0		-12.17	Pk	Horizontal
4960.51	51.80	5.21	35.52	44.		48.32	54.0		-5.68	AV	Horizontal
7440.609	63.18	7.10	36.53	44.		62.21	74.0		-11.79	Pk	Horizontal
7440.609	46.32	7.10	36.53	44.	60	45.35	54.0	0	-8.65	AV	Horizontal

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Note:

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





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Spuric	ous Emissio	on in Restr	icted Band	2310-239	0MHz and	2483.	5-25	00MHz		
EUT:		Mobile p	hone	Mode	I No.:		R7S			
Temperatu	perature: 20 °C Relative Humidity:			y:	48%					
Test Mode	):	Mode2/ M	Mode4	Test	By:	-	Mary Hu			
All the mo	dulation m	odes have	e been test	ed, and th	e worst res	ult wa	s rep	ort as belo	W:	
Frequenc	Meter	Cable	Antenna	Preamp	Emission	Lim		Margin	Detector	
у	Reading	Loss	Factor	Factor	Level			-	Delector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	V/m)	(dB)	Туре	
					SK)-hopping					
2310.00	67.95	2.97	27.80	43.80	54.92	74		-19.08	Pk	Horizontal
2310.00	49.71	2.97	27.80	43.80	36.68	54		-17.32	AV	Horizontal
2310.00	69.69	2.97	27.80	43.80	56.66	74		-17.34	Pk	Vertical
2310.00	48.64	2.97	27.80	43.80	35.61	54		-18.39	AV	Vertical
2390.00	67.00	3.14	27.21	43.80	53.55	74		-20.45	Pk	Vertical
2390.00	50.07	3.14	27.21	43.80	36.62	54	4	-17.38	AV	Vertical
2390.00	67.39	3.14	27.21	43.80	53.94	74	4	-20.06	Pk	Horizontal
2390.00	50.78	3.14	27.21	43.80	37.33	54	4	-16.67	AV	Horizontal
2483.50	69.75	3.58	27.70	44.00	57.03	74	4	-16.97	Pk	Vertical
2483.50	50.40	3.58	27.70	44.00	37.68	54	4	-16.32	AV	Vertical
2483.50	66.99	3.58	27.70	44.00	54.27	74	4	-19.73	Pk	Horizontal
2483.50	49.55	3.58	27.70	44.00	36.83	54	4	-17.17	AV	Horizontal
			1M	bps(GFSK)	- Non-hopp	bing				
2310.00	67.83	2.97	27.80	43.80	54.80	74		-19.2	Pk	Horizontal
2310.00	49.69	2.97	27.80	43.80	36.66	54	4	-17.34	AV	Horizontal
2310.00	70.79	2.97	27.80	43.80	57.76	74	4	-16.24	Pk	Vertical
2310.00	49.66	2.97	27.80	43.80	36.63	54	4	-17.37	AV	Vertical
2390.00	67.00	3.14	27.21	43.80	53.55	74	4	-20.45	Pk	Vertical
2390.00	48.54	3.14	27.21	43.80	35.09	54	4	-18.91	AV	Vertical
2390.00	67.10	3.14	27.21	43.80	53.65	74	4	-20.35	Pk	Horizontal
2390.00	49.69	3.14	27.21	43.80	36.24	54	4	-17.76	AV	Horizontal
2483.50	69.04	3.58	27.70	44.00	56.32	74	4	-17.68	Pk	Vertical
2483.50	47.64	3.58	27.70	44.00	34.92	54	4	-19.08	AV	Vertical
2483.50	67.95	3.58	27.70	44.00	55.23	74	4	-18.77	Pk	Horizontal
2483.50	49.70	3.58	27.70	44.00	36.98	54	4	-17.02	AV	Horizontal

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





Specific	Spurious Emission in Restricted Band 3260MHz-18000MHz										
EUT:		Mot	oile phon	e	Model N	No.:	I	R7S	6		
Temp	erature:	20 °	С		Relative	ative Humidity: 48%					
Test N	Node:	: Mode2/ Mode4 Test By: Mary Hu									
All th	e modulatio	n modes	have be	en tested	, and the v	worst resul	t was	s rep	oort as b	elow:	
	Frequenc y	Readin g Level	Cable Loss	Antenn a	Preamp Factor	Emission Level	Lim	iits	Margin	Detect or	0
	(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµ V/m)	(dE V/r		(dB)	Туре	Comment
	3260	62.35	4.04	29.57	44.70	51.26	74	4	-22.74	Pk	Vertical
	3260	50.98	4.04	29.57	44.70	39.89	54	4	-14.11	AV	Vertical
	3260	63.44	4.04	29.57	44.70	52.35	74	4	-21.65	Pk	Horizontal
	3260	54.40	4.04	29.57	44.70	43.31	54	4	-10.69	AV	Horizontal
	3332	63.29	4.26	29.87	44.40	53.02	74	4	-20.98	Pk	Vertical
	3332	52.93	4.26	29.87	44.40	42.66	54	4	-11.34	AV	Vertical
	3332	63.44	4.26	29.87	44.40	53.17	74	4	-20.83	Pk	Horizontal
	3332	51.07	4.26	29.87	44.40	40.80	54	4	-13.20	AV	Horizontal
	17797	44.35	10.99	43.95	43.50	55.79	74	4	-18.21	Pk	Vertical
	17797	32.04	10.99	43.95	43.50	43.48	54	4	-10.52	AV	Vertical
	17788	44.22	11.81	43.69	44.60	55.12	74	4	-18.88	Pk	Horizontal
	17788	30.67	11.81	43.69	44.60	41.57	54	4	-12.43	AV	Horizontal

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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.:	R7S
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode 5(1Mbps)	Test By:	Mary Hu



### 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.:	R7S
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



### 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.:	R7S
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu





### 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.:	R7S
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



### 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.:	R7S
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu





### 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 §15.205(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.:	R7S
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2 /Mode4/ Mode 5	Test By:	Mary Hu



### 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 9KHz 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.

The worst mode is GFSK mode, and the report only show the worst mode 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 partyshall be used with the device.

### 7.10.2 Result

The EUT antenna is permanent attached LDS Antenna (Gain: 1.2dBi). It comply with the standard requirement.



# 8 TEST RESULTS

### 8.1 DWELL TIME

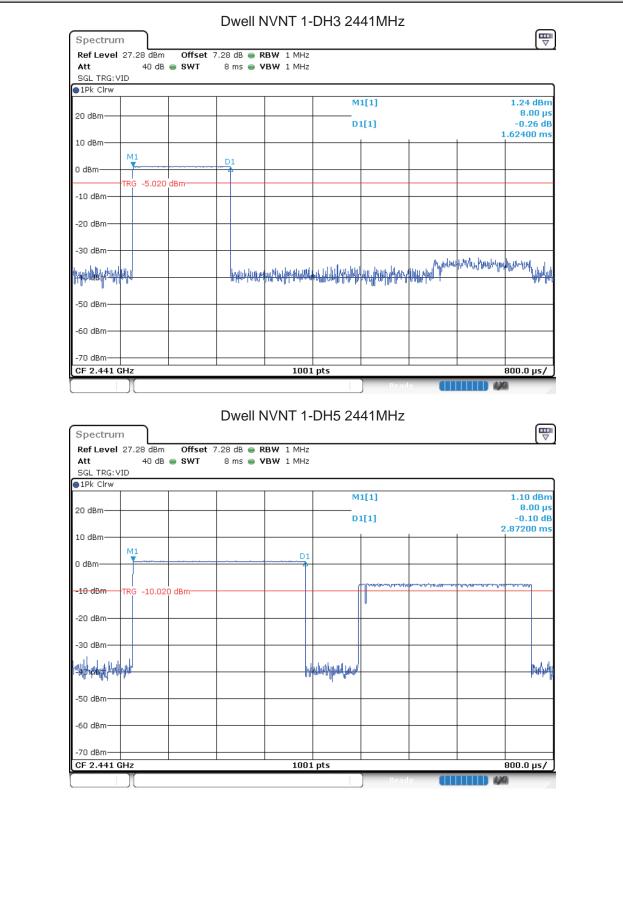
(MHz)(ms)Time (ms)(ms)(ms)NVNT1-DH124410.369118.08031600400FNVNT1-DH324411.624259.84031600400FNVNT1-DH524412.872306.35631600400FNVNT2-DH124410.375120.00031600400FNVNT2-DH324411.62259.20031600400FNVNT2-DH524412.872306.35631600400F	erdict Pass Pass Pass
NVNT         1-DH1         2441         0.369         118.080         31600         400         F           NVNT         1-DH3         2441         1.624         259.840         31600         400         F           NVNT         1-DH3         2441         1.624         259.840         31600         400         F           NVNT         1-DH5         2441         2.872         306.356         31600         400         F           NVNT         2-DH1         2441         0.375         120.000         31600         400         F           NVNT         2-DH3         2441         1.62         259.200         31600         400         F           NVNT         2-DH3         2441         2.872         306.356         31600         400         F           NVNT         2-DH5         2441         2.872         306.356         31600         400         F	Pass
NVNT         1-DH3         2441         1.624         259.840         31600         400         F           NVNT         1-DH5         2441         2.872         306.356         31600         400         F           NVNT         2-DH1         2441         0.375         120.000         31600         400         F           NVNT         2-DH3         2441         1.62         259.200         31600         400         F           NVNT         2-DH3         2441         1.62         259.200         31600         400         F           NVNT         2-DH5         2441         2.872         306.356         31600         400         F	Pass
NVNT         1-DH5         2441         2.872         306.356         31600         400         F           NVNT         2-DH1         2441         0.375         120.000         31600         400         F           NVNT         2-DH3         2441         1.62         259.200         31600         400         F           NVNT         2-DH3         2441         1.62         259.200         31600         400         F           NVNT         2-DH5         2441         2.872         306.356         31600         400         F	
NVNT         2-DH1         2441         0.375         120.000         31600         400         F           NVNT         2-DH3         2441         1.62         259.200         31600         400         F           NVNT         2-DH5         2441         1.62         259.200         31600         400         F	ass
NVNT         2-DH3         2441         1.62         259.200         31600         400         F           NVNT         2-DH5         2441         2.872         306.356         31600         400         F	
NVNT 2-DH5 2441 2.872 306.356 31600 400 F	Pass
	Pass
	Pass
NVNT 3-DH1 2441 0.375 120.000 31600 400 F	Pass
NVNT 3-DH3 2441 1.624 259.840 31600 400 F	Pass
NVNT 3-DH5 2441 2.88 307.210 31600 400 F	Pass
Dwell NVNT 1-DH1 2441MHz	

Att	27.28 dBm	Offset 7 SWT		ns 👄 VI							
SGL TRG: V		- 3WI	51	113 🔵 📢		191112					
●1Pk Clrw											
							M	1[1]			1.25 dB
20 dBm						D1[1]				2.00 µ -2.10 d	
							U.	[[1]			369.00
10 dBm										<u> </u>	
			M		_						
0 dBm					B	1					
	TRG -5.020	dBm									
-10 dBm—											
-20 dBm—											
-30 dBm											
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	KAMP HUVON	WWW.prwp	4W			hide	4441741444	WPY W	and the second second	MALL AND	MMM MARY
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-50 aBm—											
-60 dBm											
-00 0011											
-70 dBm											
CF 2.441 (	 2Hz					1001	nts				 300.0 μs/



Accredited Certificate #4298.01

Report No.: STR190705002001E

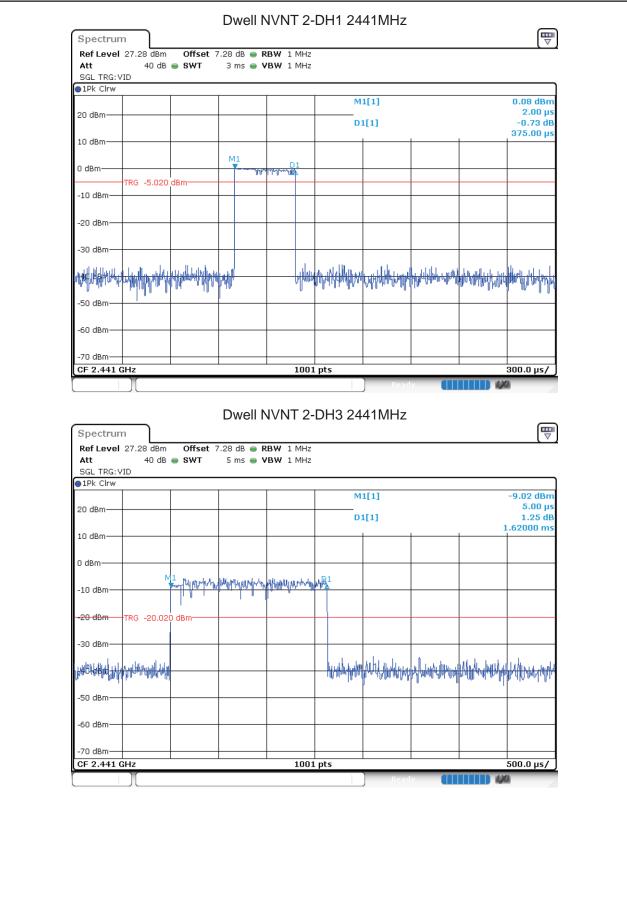




Iac-MR

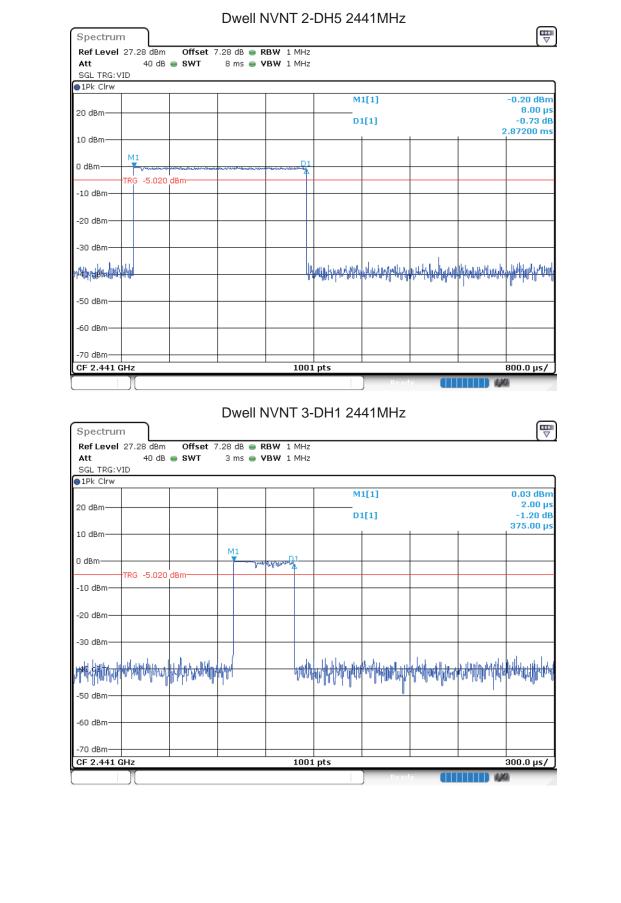
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Certificate #4298.01





ACCREDITED Certificate #4298.01

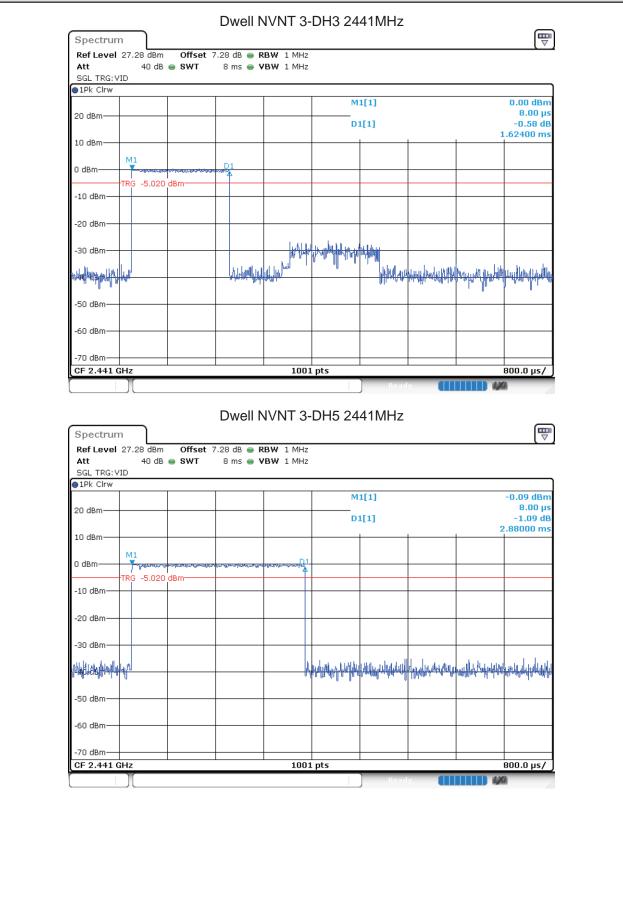




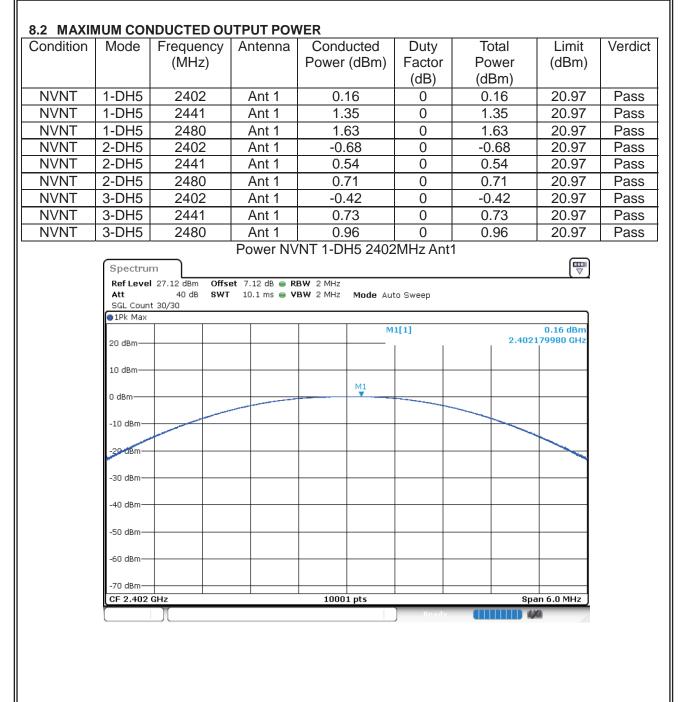
ilac-MR

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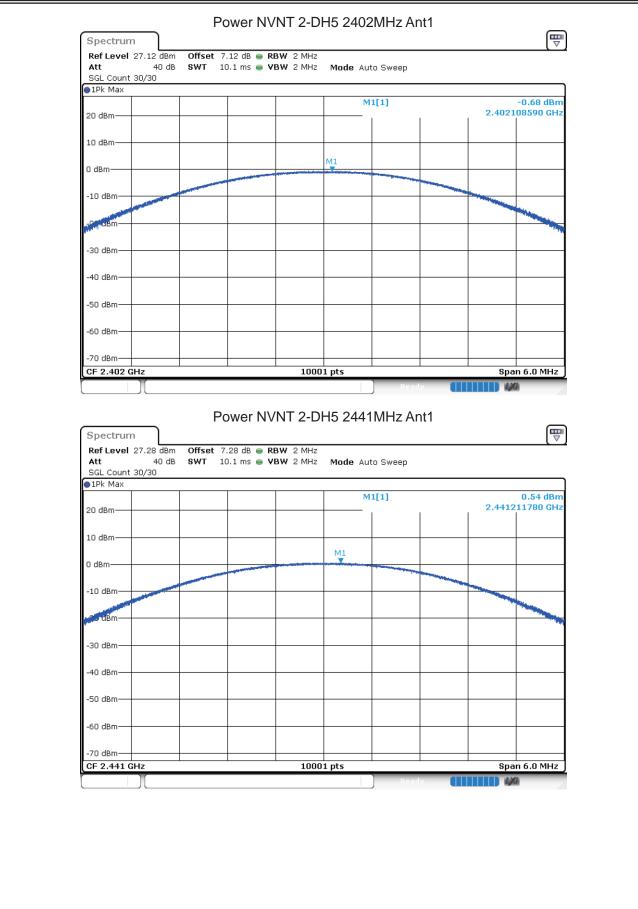
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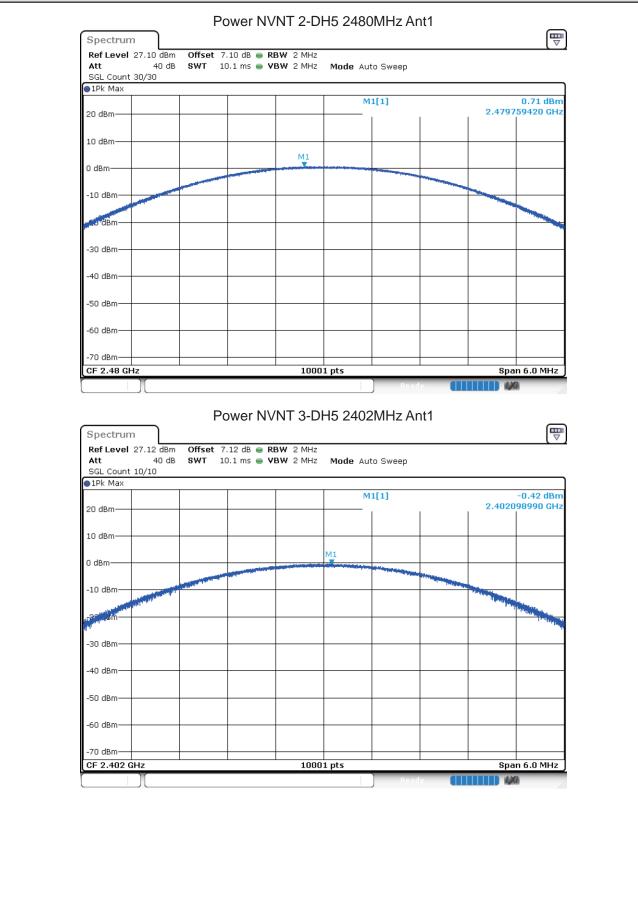
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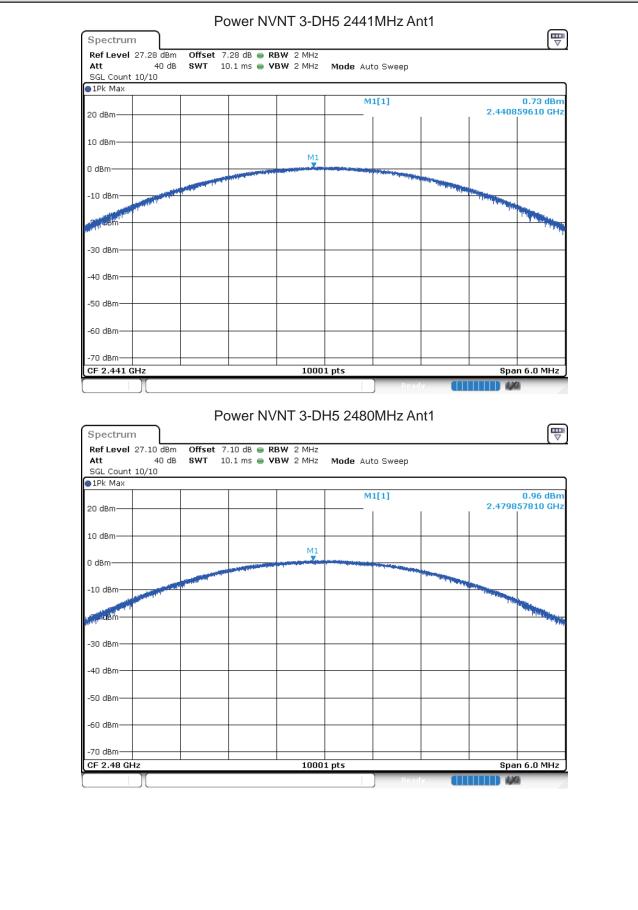
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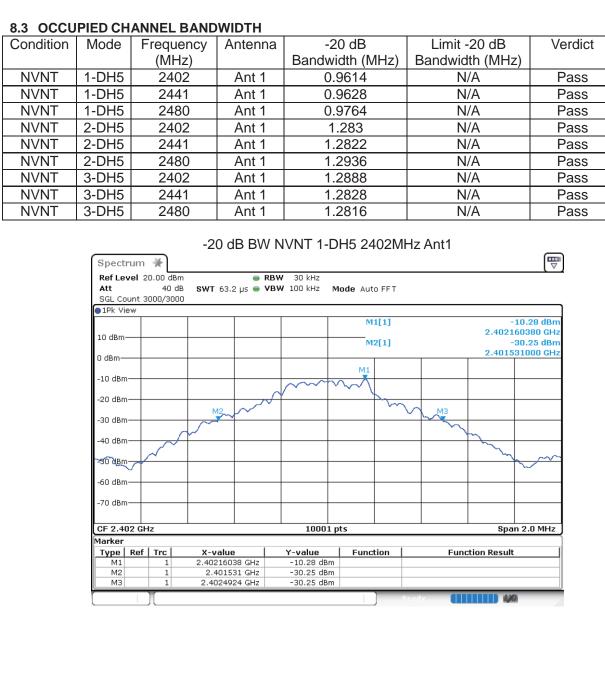
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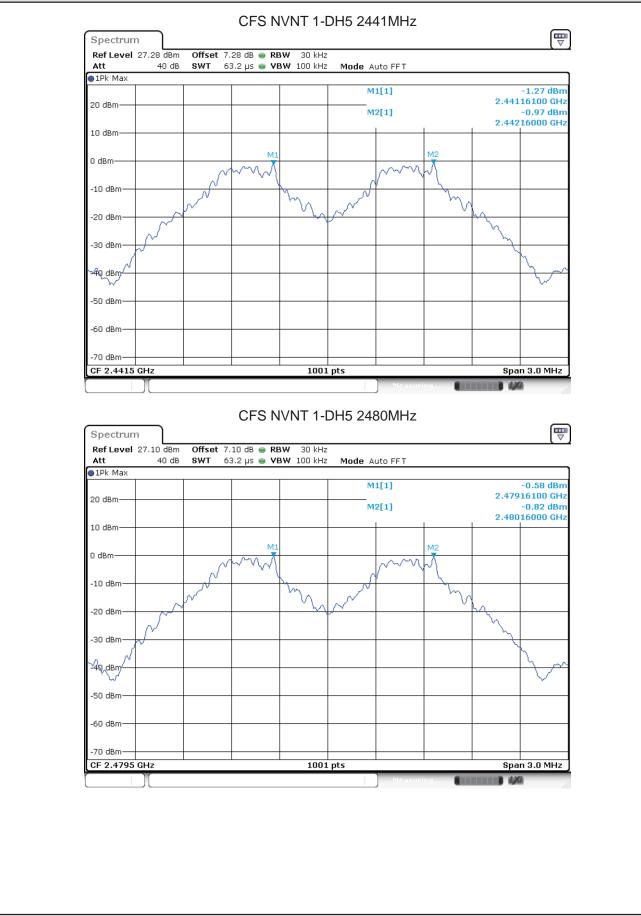




and this are		UENCIES SEPAR						
ondition	Mode	Hopping Freq1		ping Freq2			Limit	Verdic
		(MHz)		(MHz)	(MF	,	(MHz)	
NVNT	1-DH5	2402.161		403.16	0.9		0.661	Pass
NVNT	1-DH5	2441.161		442.16	0.9		0.641	Pass
NVNT	1-DH5	2479.161		480.16	0.9		0.65	Pass
NVNT	2-DH5	2402.161		403.163	1.0		0.855	Pass
NVNT	2-DH5	2441.161		142.163	1.0		0.855	Pass
NVNT	2-DH5	2479.161		480.163	1.0		0.86	Pass
NVNT	3-DH5	2402.161		403.16	0.9		0.865	Pass
NVNT	3-DH5	2441.161		442.16	0.9		0.858	Pass
NVNT	3-DH5	2479.161		480.16	0.9	99	0.853	Pass
		C	FS NVNT 1-I	DH5 2402	MHz		_	
	Spectrur	n						
		27.12 dBm Offset 7.12						
	Att	40 dB <b>SWT</b> 63.2	µs 😑 <b>VBW</b> 100 kHz	Mode Auto	FFT			
	UTK Max			M1[1	]		-2.42 dBm	
	20 dBm			M2[1	1	2	2.40216100 GHz -2.16 dBm	
							2.40316000 GHz	
	10 dBm							
	0 dBm		M1		M2			
	o dbiii		~~~~~		MM			
	-10 dBm				<u> </u>	_		
			mo		m	10		
	-20 dBm					ŤΜ.		
	-30 dBm						m	
	-50 0011	$\sim$					5	
	~#Q dBm∕√							
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	-50 dBm							
	60 dBm							
	-60 dBm							
	-70 dBm							
	CF 2.4025	GHz	1001	. pts			Span 3.0 MHz	
		)(					B (6.97)	

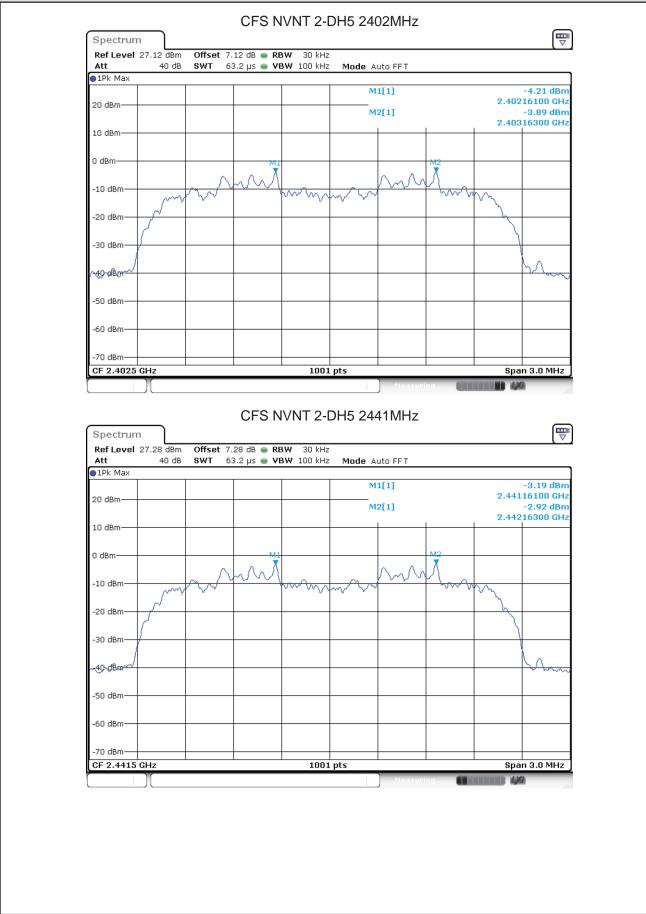
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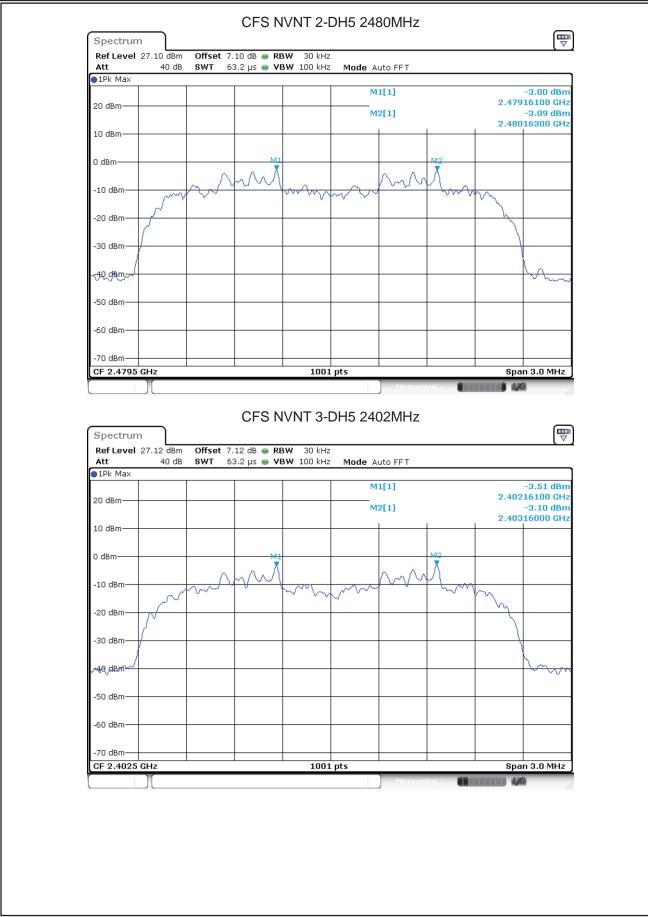
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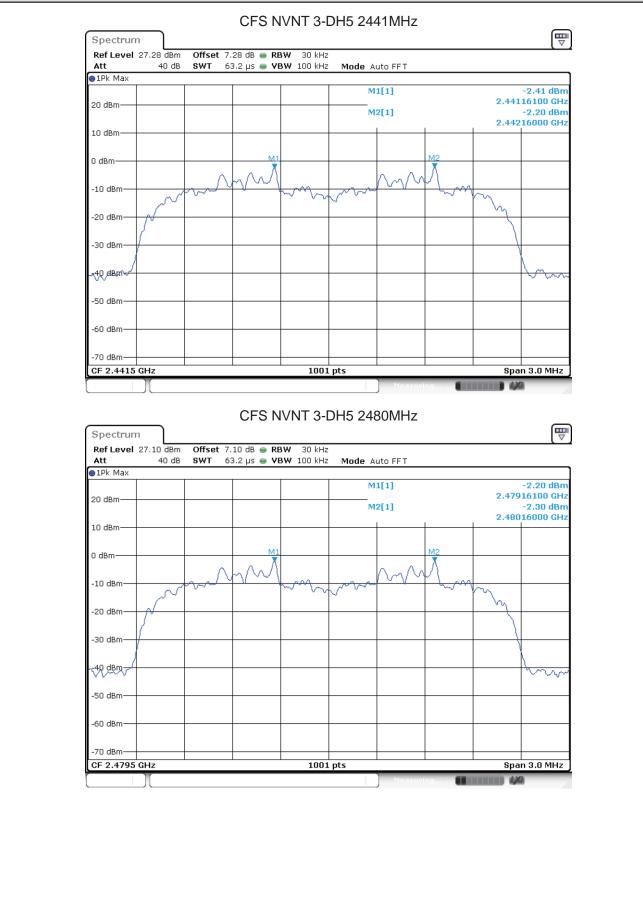
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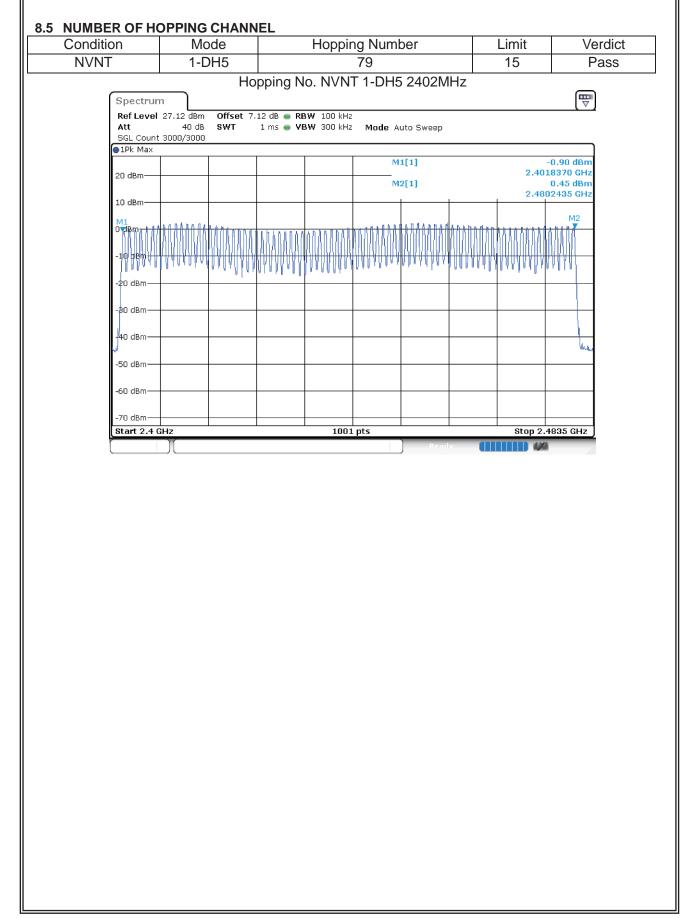




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# NTEKJLW

## Report No.: STR190705002001E

# 8.6 BAND EDGE

0.0 DAND	LDOL						
Condition	Mode	Frequency	Antenna	Hopping	Max Value (dBc)	Limit	Verdict
		(MHz)		Mode		(dBc)	
NVNT	1-DH5	2402	Ant 1	No-Hopping	-41.88922315091	-20	Pass
NVNT	1-DH5	2402	Ant 1	Hopping	-42.80791828156	-20	Pass
NVNT	1-DH5	2480	Ant 1	No-Hopping	-44.4862106657	-20	Pass
NVNT	1-DH5	2480	Ant 1	Hopping	-44.77680960178	-20	Pass
NVNT	2-DH5	2402	Ant 1	No-Hopping	-40.96035838604	-20	Pass
NVNT	2-DH5	2402	Ant 1	Hopping	-39.4346217823	-20	Pass
NVNT	2-DH5	2480	Ant 1	No-Hopping	-43.59141527772	-20	Pass
NVNT	2-DH5	2480	Ant 1	Hopping	-43.79613306224	-20	Pass
NVNT	3-DH5	2402	Ant 1	No-Hopping	-40.825294137	-20	Pass
NVNT	3-DH5	2402	Ant 1	Hopping	-39.42524364471	-20	Pass
NVNT	3-DH5	2480	Ant 1	No-Hopping	-41.08011035919	-20	Pass
NVNT	3-DH5	2480	Ant 1	Hopping	-42.51797154292	-20	Pass

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Certificate #4298.01

Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref





20 dBm					M	1[1]		2.40	-0.81 dBm )205000 GHz
10 dBm					M	2[1]			-46.73 dBm
								2.40	0000000 GHz M1
0 dBm									
-10 dBm									
-20 dBm	D1 -20.111	dBm							
-30 dBm									
-40 dBm				M4				M3	M2
-50 dBm	NUMBER	workdywarm	num much	whenter	~mulphallmarth	www.hullin	havenerster	warmen Heren	manutar June
-60 dBm									
-70 dBm									
-/U dBm	6 GHz			1001	pts			Stop	0 2.406 GHz
Marker	<u></u>		4						
Type Re M1	f Trc 1	<u>X-valu</u> 2.402	e 205 GHz	<u>Y-value</u> -0.81 dB	Funct	tion	Fu	nction Resu	<u>ilt</u>
M2	1		2.4 GHz	-46.73 dB					
Spectrun Ref Level Att	n 27.12 dBm 40 dB	2.34 Ige(Hop Offset 7	.12 dB 👄 F	-46.15 dB -42.00 dB	<sup>m</sup> H5 240		nt1 Ho	pping R	ef
M4 E Spectrun Ref Level Att	Band Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	<sup>m</sup> H5 240		nt1 Ho	pping R	
M4 Spectrun Ref Level Att SGL Count • 1Pk Max	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A		nt1 Ho		.59 dBm
M4 Spectrum Ref Level Att SGL Count	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	nt1 Ho		
M4 Spectrun Ref Level Att SGL Count • 1Pk Max	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	Int1 Ho		.59 dBm
M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm-	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	nt1 Ho		.59 dBm
M4 Spectrun Ref Level Att SGL Count • 1Pk Max 20 dBm	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	nt1 Ho		0.59 dBm 0595600 GHz
M4 Spectrun Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm-	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	Int1 Ho		0.59 dBm 0595600 GHz
M4 Spectrun Ref Level Att SGL Count O dBm 10 dBm -10 dBm	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	nt1 Ho		0.59 dBm 0595600 GHz
M4 Spectrun Ref Level Att SGL Count O dBm 0 dBm 0 dBm	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	nt1 Ho		0.59 dBm 0595600 GHz
M4 Spectrun Ref Level Att SGL Count O dBm 10 dBm -10 dBm	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	int1 Ho		0.59 dBm 0595600 GHz
M4 Spectrun Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	nt1 Ho		0.59 dBm 0595600 GHz
M4 Spectrun Ref Level Att SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	nt1 Ho		0.59 dBm 0595600 GHz
M4 Spectrun Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	nt1 Ho		0.59 dBm 0595600 GHz
M4           E           Spectrun           Ref Level           Att           SGL Count           ID dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT			0.59 dBm 0595600 GHz
M4 Spectrun Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	3and Ed	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	m H5 240 Mode A	uto FFT	nt1 Ho		0.59 dBm 0595600 GHz
M4           E           Spectrun           Ref Level           Att           SGL Count           ID dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -60 dBm           -70 dBm	1 Band Ed 27.12 dBm 40 dB 1000/1000	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F		Mode A	uto FFT	int1 Ho	2.40	0.59 dBm 0595600 GHz
M4           E           Spectrun           Ref Level           Att           SGL Count           ID dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -60 dBm	1 Band Ed 27.12 dBm 40 dB 1000/1000	2.34 Ige(Hop Offset 7	•B2 GHZ •ping) N ∴12 dB ● F	-42.00 dB	Mode A	uto FFT	Int1 Ho	2.40	0.59 dBm 0595600 GHz



●1Pk Max		1			[1]			0.46 dBm
20 dBm			+					15000 GHz
10 dBm				M2	[1]			45.20 dBm 00000 GHz
0 dBm								
-10 dBm								MA
-20 dBm D1 -19	9.412 dBm							1000
-30 dBm								
-40 dBm			M4				1913	M2
-50 dBm	Upenter all all and an	all when when we	whend	Manar Marchally and	wheelphologend	hudrehowldele	un hy course	hayhard
-60 dBm			+					
-70 dBm								
Start 2.306 GHz Marker			1001	pts			Stop 2	2.406 GHz
Type   Ref   Tro		IE 515 GHz	Y-value 0.46 dBn	Functi	ion	Fun	ction Result	
		2.4 GHz	-45.20 dBn	n				
			46.04 - 10-					
M3 M4 Spectrum Ref Level 27.10 Att 4	and Edge I dBm Offset	NVNT 1	-46.24 dBn -42.22 dBn -DH5 248 RBW 100 kHz VBW 100 kHz VBW 300 kHz	n		-Hoppir	ng Ref	
M3 M4 Spectrum Ref Level 27.10 Att 4 SGL Count 1000/	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz	BOMHz A		-Hoppir	ng Ref	
M3 M4 Spectrum Ref Level 27.10 Att 4 SGL Count 1000/ • 1Pk Max	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz	n BOMHZ A Mode Au		-Hoppir		1.28 dBm
M3 M4 Spectrum Ref Level 27.10 Att 4 SGL Count 1000/	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz	n BOMHZ A Mode Au	to FFT	-Hoppir		
M3 M4 Spectrum Ref Level 27.10 Att 4 SGL Count 1000/ • 1Pk Max	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	Mode Au	to FFT	-Hoppir		1.28 dBm
M3 M4 B3 Spectrum Ref Level 27.10 Att 4 SGL Count 1000/ • 1Pk Max 20 dBm	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	n BOMHZ A Mode Au	to FFT	-Hoppir		1.28 dBm
M3	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	Mode Au	to FFT	-Hoppir		1.28 dBm
M3	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	Mode Au	to FFT	-Hoppir		1.28 dBm
M3	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	Mode Au	to FFT	-Hoppir		1.28 dBm
M3	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	Mode Au	to FFT	-Hoppir		1.28 dBm
M3         Image: M3           M4         M4           M4         M4           Spectrum         Ref Level 27.10           Att         4           SGL Count 1000/         100/           1Pk Max         20 dBm           10 dBm         0           -10 dBm	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	Mode Au	to FFT	-Hoppir		1.28 dBm
M3            M4            Ref Level 27.10            Att         .4           SGL Count 1000/            •1Pk Max            20 dBm            10 dBm            -10 dBm            -20 dBm            -30 dBm	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	Mode Au	to FFT	-Hoppir		1.28 dBm
M3         Image: M3           M4         M4           M4         M4           Spectrum         Ref Level 27.10           Att         4           SGL Count 1000/         100/           1Pk Max         20 dBm           10 dBm         0           -10 dBm	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	Mode Au	to FFT	-Hoppir		1.28 dBm
M3         I           M4         I           Ref Level         27.10           Att         4           SGL         Count           1Pk         Max           20 dBm         I           10 dBm         I           -10 dBm         I           -20 dBm         I           -30 dBm         I	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	Mode Au	to FFT	-Hoppir		1.28 dBm
M3       I         M4       I         Ref Level       27.10         Att       4         SGL Count       1000/         1Pk Max       20         20 dBm       I         10 dBm       I         0 dBm       I         -20 dBm       I         -30 dBm       I         -60 dBm       I	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	Mode Au	to FFT	-Hoppir		1.28 dBm
M3       I         M4       I         Ref Level       27.10         Att       4         SGL Count       1000/         1Pk Max       I         20 dBm       I         10 dBm       I         -10 dBm       I         -20 dBm       I         -30 dBm       I         -40 dBm       I	and Edge I dBm Offset	NVNT 1	-42.22 dBn -DH5 248 RBW 100 kHz VBW 300 kHz	Mode Au	to FFT		2.480	1.28 dBm



●1Pk Max						o no do
20 dBm			M1[1]		2.479	0.56 dBm 95000 GHz
10 dBm			M2[1]			46.25 dBm 50000 GHz
-10 dBm						
-20 dBm D1 -18.72	4_dBm					
-30 dBm						
-40 dBm						
-50 dBm	Warry House war Marge	whether the way and the way and	When you make you Make	mannersa	we the way	4 Hawker How
-60 dBm						
-70 dBm Start 2.476 GHz		1001 pts			Stop 2	.576 GHz
Marker Type   Ref   Trc	X-value	Y-value	Function	Functio	on Result	
M1 1 M2 1	2.47995 GHz 2.4835 GHz	0.56 dBm -46.25 dBm				
M3 1	2.5 GHz	-45.50 dBm				
M4         1           Band E           Spectrum           Ref Level 27.10 dBm           Att         40 dE           SGL Count 1000/1000	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm NVNT 1-DH5 RBW 100 kHz	2480MHz	edv ()) Ant1 Hopp	ing Re	f
M4 1 Band E Spectrum Att 40 dB	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm NVNT 1-DH5 RBW 100 kHz	ide Auto FFT	adv Ant1 Hopp	ing Re	
M4         1           Band E           Spectrum           Ref Level 27.10 dBm           Att         40 dE           SGL Count 1000/1000	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm NVNT 1-DH5 RBW 100 kHz		edv Montal Hopp		
M4 1 Band E4 Spectrum Ref Level 27.10 dBm Att 40 dE SGL Count 1000/1000	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	edv ())) Ant1 Hopp		₩ ▼ 1.25 dBm
M4         1           Band Ed           Spectrum           Ref Level 27.10 dBm           Att         40 dE           SGL Count 1000/1000           1Pk Max           20 dBm           10 dBm	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm NVNT 1-DH5 RBW 100 kHz	ide Auto FFT	Ant1 Hopp		₩ ▼ 1.25 dBm
M4         1           Band E           Spectrum           Ref Level 27.10 dBm           Att 40 dE           SGL Count 1000/1000           1Pk Max           20 dBm           10 dBm	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	edv Ant1 Hopp		₩ ▼ 1.25 dBm
M4         1           Band E           Spectrum           Ref Level         27.10 dBm           Att         40 dE           SGL Count         1000/1000           1Pk Max         20 dBm           10 dBm         -10 dBm	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	Ant1 Hopp		₩ ▼ 1.25 dBm
M4         1           Band E           Spectrum           Ref Level 27.10 dBm           Att 40 dE           SGL Count 1000/1000           1Pk Max           20 dBm           10 dBm	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	edv IIII Ant1 Hopp		₩ ▼ 1.25 dBm
M4         1           Band E           Spectrum           Ref Level 27.10 dBm           Att 40 dE           SGL Count 1000/1000           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	Ant1 Hopp		₩ ▼ 1.25 dBm
M4         1           Band Edited Spectrum           Ref Level 27.10 dBm           Att         40 dE           SGL Count 1000/1000         1000/1000           IPK Max         20 dBm           10 dBm         -0           -10 dBm         -0           -20 dBm         -0           -30 dBm         -0	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	Ant1 Hopp		₩ ▼ 1.25 dBm
M4         1           Band E           Spectrum           Ref Level 27.10 dBm           Att 40 dE           SGL Count 1000/1000           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	edx Ant1 Hopp		₩ ▼ 1.25 dBm
M4         1           Band Edited Spectrum           Ref Level 27.10 dBm           Att         40 dE           SGL Count 1000/1000         1000/1000           IPK Max         20 dBm           10 dBm         -0           -10 dBm         -0           -20 dBm         -0           -30 dBm         -0	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	Ant1 Hopp		₩ ▼ 1.25 dBm
M4         1           Band Edited Spectrum           Ref Level 27.10 dBm           Att         40 dE           SGL Count 1000/1000         1000/1000           IPk Max         20 dBm           10 dBm         -0           -10 dBm         -0           -20 dBm         -0           -30 dBm         -40 dBm	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	Ant1 Hopp		₩ ▼ 1.25 dBm
M4         1           Band Edited Spectrum           Ref Level 27.10 dBm           Att         40 dE           SGL Count 1000/1000         1000/1000           IPK Max         20 dBm           10 dBm         -0           -0 dBm         -0           -20 dBm         -0           -30 dBm         -0           -40 dBm         -60 dBm	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	Ant1 Hopp		₩ ▼ 1.25 dBm
M4         1           Band Edited Spectrum           Ref Level 27.10 dBm           Att         40 dE           SGL Count 1000/1000         1000/1000           PIPk Max         20 dBm           10 dBm         -0           9 dBm         -0           -20 dBm         -0           -30 dBm         -0           -40 dBm         -50 dBm           -60 dBm         -70 dBm	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	Ant1 Hopp	2.479	1.25 dBm 16080 GHz
M4         1           Band E           Spectrum           Ref Level         27.10 dBm           Att         40 dE           SGL Count         1000/1000           IPk Max         20 dBm           10 dBm         -0           -0 dBm         -0           -20 dBm         -0           -30 dBm         -0           -60 dBm         -60 dBm	2.4912 GHz dge(Hopping) I o offset 7.10 dB • 3 swr 18.9 µs •	-43.21 dBm	ide Auto FFT	Ant1 Hopp	2.479	₩ ▼ 1.25 dBm



●1Pk Max					м	1[1]			0.80 dBm
20 dBm									595000 GHz
10 dBm					M	2[1]			-45.66 dBm 350000 GHz
p <sub>i</sub> dam									
-10 dBm									
	18.753 d	dBm=====							
-30 qBm									
-40 dBm/2		M4		hymporplasticey					
-50 dBm	whenhalt	when marked	Hurba maring	www.unplandlaby	Auronalin maya	alastantinen yhnen	un un	harden and the standing	Muluman
-60 dBm									
-70 dBm									
Start 2.476 GH	z			1001	pts			Stop	2.576 GHz
Marker Type Ref Tr		X-valu		Y-value	Func	tion	Fun	ction Resul	t
M1	1	2.476	595 GHz	0.80 dB -45.66 dB					
M2	1	2.48	335 GHz						
M3	1	:	2.5 GHz	-46.14 dB					
M3 M4 E Spectrum Ref Level 27.1:	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R		)2MHz /		-Hoppir	ng Ref	
M3 M4 E	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dB -43.54 dB -DH5 24( BW 100 kHz	)2MHz / Mode A	uto FFT	-Hoppir	ng Ref	
M3 M4 Spectrum Ref Level 27.11 Att SGL Count 1000	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dB -43.54 dB -DH5 24( BW 100 kHz	)2MHz / Mode A		-Hoppir		-1.42 dBm L84020 GHz
M3 M4 Spectrum Ref Level 27.1: Att SGL Count 1000 1Pk Max 20 dBm	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dB -43.54 dB -DH5 24( BW 100 kHz	)2MHz / Mode A	uto FFT	-Hoppir		-1.42 dBm
M3 M4 Spectrum Ref Level 27.1: Att SGL Count 1000 • 1Pk Max	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dB -43.54 dB -DH5 24( BW 100 kHz	)2MHz / Mode A	uto FFT	-Hoppir		-1.42 dBm
M3 M4 Spectrum Ref Level 27.1: Att SGL Count 1000 1Pk Max 20 dBm	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dB -43.54 dB -DH5 24( BW 100 kHz	)2MHz / Mode A	uto FFT	-Hoppir		-1.42 dBm
M3 M4 E Spectrum Ref Level 27.1: Att SGL Count 1000 • 1Pk Max 20 dBm 10 dBm	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dBi -43.54 dBi -DH5 240 RBW 100 kHz /BW 300 kHz	)2MHz / Mode A	uto FFT	-Hoppir		-1.42 dBm
M3 M4 Spectrum Ref Level 27.1: Att SGL Count 1000 1Pk Max 20 dBm 10 dBm -10 dBm	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dBi -43.54 dBi -DH5 240 RBW 100 kHz /BW 300 kHz	)2MHz / Mode A	uto FFT	-Hoppir		-1.42 dBm
M3	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dBi -43.54 dBi -DH5 240 RBW 100 kHz /BW 300 kHz	)2MHz / Mode A	uto FFT	-Hoppir		-1.42 dBm
M3 M4 Spectrum Ref Level 27.1: Att SGL Count 1000 1Pk Max 20 dBm 10 dBm -10 dBm	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dBi -43.54 dBi -DH5 240 RBW 100 kHz /BW 300 kHz	)2MHz / Mode A	uto FF T	-Hoppir		-1.42 dBm
M3 M4 E Spectrum Ref Level 27.1: Att SGL Count 1000 • 1Pk Max 20 dBm -10 dBm -10 dBm -20 dBm	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dBi -43.54 dBi -DH5 240 RBW 100 kHz /BW 300 kHz	)2MHz / Mode A	uto FFT	-Hoppir		-1.42 dBm
M3         E           M4         Image: Constraint of the sector of the se	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dBi -43.54 dBi -DH5 240 RBW 100 kHz /BW 300 kHz	)2MHz / Mode A	uto FF T	-Hoppir		-1.42 dBm
M3	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dBi -43.54 dBi -DH5 240 RBW 100 kHz /BW 300 kHz	)2MHz / Mode A	uto FF T	-Hoppir		-1.42 dBm
M3         E           M4         Image: Construction of the sector of the	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dBi -43.54 dBi -DH5 240 RBW 100 kHz /BW 300 kHz	)2MHz / Mode A	uto FF T	-Hoppir		-1.42 dBm
M3         E           M4         Image: Construction of the sector of the	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dBi -43.54 dBi -DH5 240 RBW 100 kHz /BW 300 kHz	)2MHz / Mode A	uto FF T	-Hoppir		-1.42 dBm
M3         E           M4         Image: Construction of the sector of the	and 2 dBm 40 dB	2.49 Edge N Offset 7	2.5 GHz 988 GHz NVNT 2. 7.12 dB • R	-46.14 dBi -43.54 dBi -DH5 240 RBW 100 kHz /BW 300 kHz	Mode A	uto FF T	-Hoppir	2.40	-1.42 dBm



●1Pk Max	t 100/100				M1[1]	]			-1.76 dBm
20 dBm					M2[1]	]			185000 GHz -47.25 dBm
10 dBm							1	2.400	000000 GHz M1
0 dBm——									X
-10 dBm—									
-20 dBm—	D1 -21.42	) dBm							
-30 dBm—									
-40 dBm	h an and a local	الريا معله الرا	M4	whenwere	deal of all and the		and a second	M3	M2
-50 dBm-	mander	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	vision a const	0 100 . 100 . 00 . 100	warnen and an and a second	መትጉሥላ	and a for the second second	hum ann	-bull-that was
-60 dBm—				+					
-70 dBm—									
Start 2.30 Marker	D6 GHz			1001	pts			Stop	2.406 GHz
Type R	ef Trc	X-valu		Y-value	Function	1	Fun	ction Resul	t
M1	1		185 GHz	-1.76 dBn -47.25 dBn					
M2			2.4 GHZ						
M2 M3	1	2	2.4 GHz	-46.66 dBn					
M3 M4 Spectrur Ref Level Att	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-46.66 dBn -42.39 dBn	n		ant1 Hop	oping Re	a ef
M3 M4 Spectrur Ref Level Att	Band Edm	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402N		iv III	oping Re	
M3 M4 Spectrui Ref Level Att SGL Coun	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402N	FFT	nt1 Hop		
M3 M4 Spectrui Ref Level Att SGL Coun 1Pk Max	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402M	FFT	iv III Ant1 Hop		-2.04 dBm
M3 M4 Spectrui Ref Level Att SGL Coun 1Pk Max 20 dBm- 10 dBm-	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402M	FFT	Ant1 Hop		-2.04 dBm
M3 M4 Spectrui Ref Level Att SGL Coun • 1Pk Max 20 dBm-	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402M Mode Auto	FFT			-2.04 dBm
M3 M4 Spectrui Ref Level Att SGL Coun 1Pk Max 20 dBm- 10 dBm-	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402M Mode Auto	FFT			-2.04 dBm
M3 M4 Spectrum Ref Level Att SGL Coun 1Pk Max 20 dBm- 10 dBm- 0 dBm-	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402M Mode Auto	FFT			-2.04 dBm
M3 M4 Spectrum Ref Level Att SGL Coun 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402M Mode Auto	FFT			-2.04 dBm
M3 M4 Spectrum Ref Level Att SGL Coun 1Pk Max 20 dBm 10 dBm -10 dBm	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402M Mode Auto	FFT			-2.04 dBm
M3 M4 Spectrum Ref Level Att SGL Coun 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402M Mode Auto	FFT			-2.04 dBm
M3 M4 Spectrum Ref Level Att SGL Coun 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402M Mode Auto	FFT			-2.04 dBm
M3 M4 Spectrum Ref Level Att SGL Coun 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402M Mode Auto	FFT			-2.04 dBm
M3 M4 Spectrum Ref Level Att SGL Coun ID dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm	1 1 Band E( m 1 27.12 dBm 40 dB	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	H5 2402M Mode Auto	FFT			-2.04 dBm
M3 M4 Spectrum Ref Level Att SGL Coun ID dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -60 dBm	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2.3 dge(Hop offset 7 swr 3	2.39 GHz 341 GHz Oping) N 7.12 dB • F	-42.39 dBn	Mode Auto	FFT		2.40;	-2.04 dBm



●1Pk Max	t 500/500								
20 dBm					M	1[1]		2.403	-4.74 dBm 515000 GHz
10 dBm					M	2[1]			-45.01 dBm 000000 GHz
0 dBm									M3
-10 dBm—									rada Ma
-20 dBm—	D1 -22.035	dBm							,
-30 dBm—									
-40 dBm—	unhanar tui	ها الأمان	www.www.	M4	addin and a	n laura au	welderstander	M3	Mag .
-50 dBm-		Appendic of participants	HINH WAT		an anternation	የርጉተዋወላው ግንበው	and the second	malandan	an Attra
-60 dBm—									
-70 dBm-									
Start 2.30 Marker	l6 GHz			1001	. pts			Stop	2.406 GHz
Type   Re	ef   Trc	X-value	e	Y-value	Func	tion	Fund	tion Result	t I
M1	1		15 GHz 2.4 GHz	-4.74 dB -45.01 dB					
M2									
M2 M3	1		39 GHz	-45.48 dB					
M3 M4 Spectrur Ref Level Att	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 db • Re	-41.48 dB	BOMHz /		dx	g Ref	<b>4</b> ₩
M3 M4 Spectrur Ref Level Att	Band	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 db • Re	-41.48 dB DH5 248 3w 100 kHz	BOMHz /		o-Hoppin	g Ref	g (
M3 M4 Spectrur Ref Level Att SGL Count 1Pk Max	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 db • Re	-41.48 dB DH5 248 3w 100 kHz	m BOMHz / Mode A		o-Hoppin		-0.37 dBm
M3 M4 Spectrur Ref Level Att SGL Count	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 db • Re	-41.48 dB DH5 248 3w 100 kHz	m BOMHz / Mode A	uto FFT	o-Hoppin		
M3 M4 Spectrur Ref Level Att SGL Count 1Pk Max	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 db • Re	-41.48 dB DH5 248 3w 100 kHz	m BOMHz / Mode A	uto FFT	o-Hoppin		-0.37 dBm
M3 M4 Spectrur Ref Level Att SGL Coun • 1Pk Max 20 dBm	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 db • Re	-41.48 dB DH5 248 3w 100 kHz	m BOMHz / Mode A	uto FFT	o-Hoppin		-0.37 dBm
M3 M4 Spectrur Ref Level Att SGL Coun IPk Max 20 dBm 10 dBm 0 dBm	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 db • Re	-41.48 dB DH5 248 3w 100 kHz	Mode A	uto FFT	dy		-0.37 dBm
M3 M4 Spectrur Ref Level Att SGL Coun 1Pk Max 20 dBm- 10 dBm-	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 db • Re	-41.48 dB DH5 248 3w 100 kHz	Mode A	uto FFT	o-Hoppin		-0.37 dBm
M3 M4 Spectrur Ref Level Att SGL Coun IPk Max 20 dBm 10 dBm 0 dBm	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 db • Re	-41.48 dB DH5 248 3w 100 kHz	Mode A	uto FFT	D-Hoppin		-0.37 dBm
M3 M4 Spectrur Ref Level Att SGL Coun IPk Max 20 dBm 10 dBm -10 dBm	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 db • Re	-41.48 dB DH5 248 3w 100 kHz	Mode A	uto FFT	dy		-0.37 dBm
M3 M4 Spectrur Ref Level Att SGL Coun IVK Max 20 dBm 10 dBm -10 dBm -10 dBm -20 dBm	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 db • Re	-41.48 dB DH5 248 3w 100 kHz	Mode A	uto FFT	D-Hoppin		-0.37 dBm
M3 M4 Spectrur Ref Level Att SGL Coun ID dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 dB • Re 8.9 µs • VI	-41.48 dB DH5 248 3w 100 kHz	Mode A	uto FFT	D-Hoppin		-0.37 dBm
M3 M4 Spectrur Ref Level Att SGL Coun ID dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 dB • Re 8.9 µs • VI	-41.48 dB DH5 248 3w 100 kHz	Mode A	uto FFT			-0.37 dBm
M3           M4           Spectrur           Ref Level           Att           SGL Cour           1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 dB • Re 8.9 µs • VI	-41.48 dB DH5 248 3w 100 kHz	Mode A	uto FFT			-0.37 dBm
M3 M4 Spectrum Ref Level Att SGL Coun 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Band 1 27.10 dBm 40 dB	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 dB • Re 8.9 µs • VI	-41.48 dB DH5 248 3w 100 kHz	Mode A	uto FFT			-0.37 dBm
M3           M4           Ref Level           Att           SGL Coun           1D dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -60 dBm	Band	2.35 Edge N Offset 7.	12 GHz IVNT 2- 10 dB • Re 8.9 µs • VI	-41.48 dB DH5 248 3w 100 kHz	Mode A	uto FFT		2.48	-0.37 dBm



●1Pk Max	0/100								
20 dBm					M	1[1]		2.48	-3.42 dBm 005000 GHz
10 dBm					M	2[1]		2.48	-46.38 dBm 350000 GHz
o den									
-10 dBm									
	-20.369 (	dBm							
-30 dBm									
-40 d\$m		M4-5					_		
-50 dBm	weithyrpould	northingener	ulle prophy with	Montoning.	myharmark	hundruhan	general and the second	- upplant annu	mundunation
-60 dBm									
-70 dBm									
Start 2.476 G	Hz			1001	pts		1	Stop	2.576 GHz
Marker Type Ref		X-valu		Y-value	Func	tion	Fun	ction Resu	lt 🔤
M1 M2	1	2.48	005 GHz 335 GHz	-3.42 dBr -46.38 dBr	m				
M3	1		2.5 GHz	-46.12 dBr	m				
M4 Ba Spectrum Ref Level 27 Att	nd Edg	2,4 ge(Hop offset 7	2,10 dB ● RE 2,10 dB ● RE 18.9 µs ● VE	3W 100 kHz	H5 248		Ant1 Ho	oping R	ef
M4 Ba Spectrum Ref Level 27	nd Edg	2,4 ge(Hop offset 7	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Ho	oping R	
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max	nd Edg	2,4 ge(Hop offset 7	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A		Ant1 Ho		
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max 20 dBm	nd Edg	2,4 ge(Hop offset 7	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Ho		-0.05 dBm
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max	nd Edg	2.4 ge(Hop Offset 7 swT 1	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Ho		-0.05 dBm
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max 20 dBm 10 dBm	nd Edg	2,4 ge(Hop offset 7	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Ho		-0.05 dBm
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max 20 dBm 10 dBm	nd Edg	2.4 ge(Hop Offset 7 swT 1	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Ho		-0.05 dBm
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max 20 dBm 10 dBm 0 dBm	nd Edg	2.4 ge(Hop Offset 7 swT 1	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Ho		-0.05 dBm
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max 20 dBm 10 dBm 0 dBm	nd Edg	2.4 ge(Hop Offset 7 swT 1	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Ho		-0.05 dBm
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max 20 dBm 10 dBm 0 dBm	nd Edg	2.4 ge(Hop Offset 7 swT 1	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	uto FFT	Ant1 Hop		-0.05 dBm
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm	nd Edg	2.4 ge(Hop Offset 7 swT 1	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	1[1]			-0.05 dBm
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	nd Edg	2.4 ge(Hop Offset 7 swT 1	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	1[1]			-0.05 dBm
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	nd Edg	2.4 ge(Hop Offset 7 swT 1	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	1[1]			-0.05 dBm
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	nd Edg	2.4 ge(Hop Offset 7 swT 1	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	1[1]			-0.05 dBm
M4         Ba           Spectrum         Ref Level 27           Att         SGL Count 300           SGL Count 300         1Pk Max           20 dBm         10 dBm           10 dBm         -0           -20 dBm	nd Edg	2.4 ge(Hop Offset 7 swT 1	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	H5 248 Mode A	1[1]		2.47	-0.05 dBm 784220 GHz
M4 Ba Spectrum Ref Level 27 Att SGL Count 30 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm	nd Edg	2.4 ge(Hop Offset 7 swT 1	499 GHz ⊃ping) N\ 7.10 dB ● RE	/NT 2-D	Mode A	1[1]		2.47	-0.05 dBm



					м	1[1]			-1.55 dBm
20 dBm									05000 GHz
10 dBm						2[1]			-46.26 dBm 350000 GHz
-20 cBm D1	L -20.054	dBm							
-30 dBm									
-40 dBm	with the second	Ma	and the filter address	Hunner	ta ta ang tang ta	a na bahara da sa da sa	ion abor ana a k	white further white	mansarabakara
-50 dBm	Concern Mullion	to the party station	w	- has commend	waa a a ay	anti s i dibia functo i			2000 000 11 12 -
-60 dBm									
-70 dBm	3Hz			1001	nts			Stor	2.576 GHz
Marker									
Type Ref	1		05 GHz	Y-value -1.55 dB		tion	Fund	ction Result	t
M2	1	2.48	35 GHz	-46.26 dB -44.97 dB					
M3	1	2	2.5 GHz	44.97 UD	m				
M4 Spectrum Ref Level 27 Att SGL Count 10	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz BW 300 kHz	)2MHz /		-Hoppin	ıg Ref	
M4 Spectrum Ref Level 27 Att	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	)2MHz / Mode A	uto FFT	-Hoppin	ıg Ref	
M4 Spectrum Ref Level 27 Att SGL Count 10	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	)2MHz / Mode A		-Hoppin		-1.17 dBm 215980 GH2
M4 Spectrum Ref Level 27 Att SGL Count 10 • 1Pk Max	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	)2MHz / Mode A	uto FFT	-Hoppin		-1.17 dBm
M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max 20 dBm 10 dBm	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	)2MHz / Mode A	uto FFT	-Hoppin		-1.17 dBm
M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max 20 dBm	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	Mode A	uto FFT	-Hoppin		-1.17 dBm
M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max 20 dBm 10 dBm	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	Mode A	uto FFT	-Hoppin		-1.17 dBm
M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max 20 dBm 10 dBm 0 dBm	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	Mode A	uto FFT	-Hoppin		-1.17 dBm
M4 Spectrum Ref Level 27 Att SGL Count 10 9 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	Mode A	uto FFT	-Hoppin		-1.17 dBm
M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	Mode A	uto FFT	-Hoppin		-1.17 dBm
M4 Spectrum Ref Level 27 Att SGL Count 10 9 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	Mode A	uto FFT	-Hoppin		-1.17 dBm
M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	Mode A	uto FFT	-Hoppin		-1.17 dBm
M4 Spectrum Ref Level 27 Att SGL Count 10 1Pk Max 20 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -40 dBm	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	Mode A	uto FFT	-Hoppin		-1.17 dBm
M4           Ref Level 27           Att           SGL Count 10           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -60 dBm	1 Band 7.12 dBm 40 dB	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	Mode A	uto FFT	-Hoppin		-1.17 dBm
M4           Spectrum           Ref Level 27           Att           SGL Count 10           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm	1 Band 40 dB 90/100	2.49 Edge N Offset 7	193 GHz NVNT 3- .12 dB ● RI	-43.85 dB DH5 24( BW 100 kHz	Mode A	uto FFT	-Hoppin	2.402	-1.17 dBm



Att SGL Co			) dB 10	<b>SWT</b> 22	27.5 µs 👄	<b>VBW</b> 300 kH	12 Mode	Auto FFT			
●1Pk Ma	ax						M	1[1]			-2.21 dBm
20 dBm·	-						м	2[1]			05000 GHz 46.74 dBm
10 dBm·	+							1	I		00000 GHz
0 dBm—	+										M1
-10 dBm	<u>+</u>										
-20 dBm		1 -21	.175	dBm							
-30 dBm	<u>+</u>										11
-40 dBm				a dual of the sec	Muru	M4	lation of the second	in the second	Jaboure Marine	M3	M2
-50 dBm	- mary	alanar	ህመጥ	annannahahan	P50000 **	000 (M	morenan	un l'harringen	Jar aller and and a series of the series of	www.www.	work with
-60 dBm	$\rightarrow$										
-70 dBm		0				100				01	
Start 2 Marker	.300	GHZ				100	1 pts			stop .	2.406 GHz
Type	Ref	Trc 1		X-value 2.402	9 05 GHz	<u>Y-value</u> -2.21 dl	Func 3m	tion	Fund	ction Result	:
M1				2	2.4 GHz	-46.74 dl					
M2		1				-45.68 di	3m i				
M2 M3 M4 Spect Ref Le Att	rum vel 2	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GHz 19 GHz ping) №	-45.68 di -42.00 di NVNT 3-E RBW 100 kH: VBW 100 kH:	<sup>3m</sup> 0H5 240		Ant1 Hop	pping Re	af (▽)
M2 M3 M4 Spect	rum <b>vel</b> 2 junt 3	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GHz 19 GHz ping) №	-42.00 dl	<sup>3m</sup> 0H5 240		Ant1 Hop	oping Re	
M2 M3 M4 Spect Ref Le Att SGL Co 1Pk M	rum <b>vel</b> 2 junt 3	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GHz 19 GHz ping) №	-42.00 dl	DH5 240		Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect Ref Le Att SGL Co	rum <b>vel</b> 2 junt 3	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GHz 19 GHz ping) №	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		
M2 M3 M4 Spect Ref Le Att SGL Co 1Pk M. 20 dBm	rum <b>vel</b> 2 junt 3	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GHz 19 GHz ping) №	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect Ref Le Att SGL Co 1Pk M 20 dBm	rum <b>vel</b> 2 junt 3	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GHz 19 GHz ping) №	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect Ref Le Att SGL Co 1Pk M 20 dBm 10 dBm	rum vel 2 ount 3 ax	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GHz 19 GHz ping) №	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect Ref Le Att SGL Co 1Pk M 20 dBm	rum vel 2 ount 3 ax	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GHz 19 GHz ping) №	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect Ref Le Att SGL Co 1Pk M 20 dBm 10 dBm	rum vel 2 bunt 3 ax	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GHz 19 GHz ping) №	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect Ref Le Att SGL Co 1Pk M 20 dBm 10 dBm -10 dBm	rum 2 vel 2 ax	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GHz 19 GHz ping) №	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect Ref Le Att SGL Co 1Pk M 20 dBm -10 dBm -10 dBm -20 dBm -30 dBm	rum vel 2 uunt 3 ax	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GHz 19 GHz ping) №	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect Ref Le Att SGL Co 1Pk M 20 dBm - 10 dBm - 10 dBm - 20 dBm	rum vel 2 uunt 3 ax	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GH2 19 GH2 рing) № .12 dB ● 8.9 µs ●	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect Ref Le Att SGL Co 1Pk M 20 dBm -10 dBm -10 dBm -20 dBm -30 dBm		1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GH2 19 GH2 рing) № .12 dB ● 8.9 µs ●	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect Ref Le Att SGL Co 1Pk M 20 dBm -10 dBm -10 dBm -20 dBm -30 dBm		1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GH2 19 GH2 рing) № .12 dB ● 8.9 µs ●	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect Ref Le Att SGL Co 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm	rum 2 vel 2 ax	1 1 and 7.12 40	Ed	2. 2.35 ge(Hop offset 7.	39 GH2 19 GH2 рing) № .12 dB ● 8.9 µs ●	-42.00 dl	DH5 240	uto FFT	Ant1 Hop		-1.85 dBm
M2 M3 M4 Spect SGL Co 1Pk M 20 dBm -10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ed	2. 2.35 ge(Hop offset 7.	39 GH2 19 GH2 рing) № .12 dB ● 8.9 µs ●		DH5 240	uto FFT	Ant1 Hop	2.402	-1.85 dBm



	1								
20 dBm					M	1[1]		<b>2.40</b> 4	-3.69 dBm 195000 GHz
10 dBm					M	2[1]			-44.93 dBm 000000 GHz
0 dBm								-	M1
-10 dBm									.ամս
-20 dBm—									(** )
-30 dBm	D1 -21.855	dBm							
-40 dBm-			M4						
enormouted.	Murnum	where have been	when anno	ununnunnuhling	which was proved by	Meteranualina	another with	waln the wal	and the second
-50 dBm									
-60 dBm									
-70 dBm- Start 2.30	6 GHz			1001	pts			Stop	2.406 GHz
Marker									
Type Re		X-valu		Y-value	Func	tion	Fun	ction Result	t
M1	1		495 GHz 2.4 GHz	-3.69 dBn -44.93 dBn					
MO									
M2 M3	1		.39 GHz	-46.06 dBn	n				
M3 M4 Spectrur	Band	2 2.3 Edge I	NVNT 3	-46.06 dBn -41.28 dBn -DH5 248 RBW 100 kHz VBW 100 kHz VBW 300 kHz	n		-Hoppir	ng Ref	
M3 M4 Spectrur Ref Level Att SGL Count	Band n 27.10 dBm 40 dB	2 2.3 Edge I	NVNT 3	-41.28 dBn -DH5 248 RBW 100 kHz	n BOMHz /		-Hoppir	ng Ref	
M3 M4 Spectrur Ref Level Att	Band n 27.10 dBm 40 dB	2 2.3 Edge I	NVNT 3	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A		-Hoppir		-2.47 dBm
M3 M4 Spectrur Ref Level Att SGL Count	Band n 27.10 dBm 40 dB	2 2.3 Edge I	NVNT 3	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FFT	-Hoppir		
M3 M4 Spectrur Ref Level Att SGL Count 1Pk Max	Band n 27.10 dBm 40 dB	2 2.3 Edge I	NVNT 3	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FFT	-Hoppir		-2.47 dBm
M3 M4 Spectrur Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm-	Band n 27.10 dBm 40 dB	2 2.3 Edge I	NVNT 3	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FFT	-Hoppir		-2.47 dBm
M3 M4 Spectrur Ref Level Att SGL Count 1Pk Max 20 dBm	Band n 27.10 dBm 40 dB	2 2.3 Edge I	NVNT 3	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FFT	-Hoppir		-2.47 dBm
M3 M4 Spectrur Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm-	Band n 27.10 dBm 40 dB	2 2.3 Edge I	NVNT 3	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FFT	-Hoppir		-2.47 dBm
M3 M4 Spectrur Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm- 0 dBm-	Band n 27.10 dBm 40 dB	2 2.3 Edge I	NVNT 3	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FFT	-Hoppir		-2.47 dBm
M3 M4 Spectrur Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm- -10 dBm- -20 dBm-	Band n 27.10 dBm 40 dB	2 2.3 Edge I	NVNT 3	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FFT	Hoppir		-2.47 dBm
M3 M4 Spectrur Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm- -10 dBm-	Band n 27.10 dBm 40 dB	2 2.3 Edge I	NVNT 3	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FFT	-Hoppir		-2.47 dBm
M3 M4 Spectrur Ref Level Att SGL Count 1Pk Max 20 dBm- 10 dBm- -10 dBm- -20 dBm-	Band n 27.10 dBm 40 dB	2 2.3 Edge I	NVNT 3	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FFT	-Hoppir		-2.47 dBm
M3           M4           Spectrur           Ref Level           Att           SGL Count           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	Band n 27.10 dBm 40 dB	2 2.3 Edge I	2.39 GHz 403 GHz NVNT 3 7.10 dB • 1 18.9 µs • 1	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FF T	-Hoppir		-2.47 dBm
M3 M4 Spectrur Ref Level Att SGL Count 1Pk Max 20 dBm- -10 dBm- -20 dBm- -20 dBm- -30 dBm-	Band n 27.10 dBm 40 dB	2 2.3 Edge I	2.39 GHz 403 GHz NVNT 3 7.10 dB • 1 18.9 µs • 1	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FF T	Iv Hoppir		-2.47 dBm 006390 GHz
M3           M4           Spectrur           Ref Level           Att           SGL Count           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	Band n 27.10 dBm 40 dB	2 2.3 Edge I	2.39 GHz 403 GHz NVNT 3 7.10 dB • 1 18.9 µs • 1	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FF T	-Hoppir		-2.47 dBm 006390 GHz
M3           M4           Spectrur           Ref Level           Att           SGL Count           1Pk Max           20 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	Band n 27.10 dBm 40 dB	2 2.3 Edge I	2.39 GHz 403 GHz NVNT 3 7.10 dB • 1 18.9 µs • 1	-41.28 dBn -DH5 248 RBW 100 kHz	n SOMHZ / Mode A	uto FF T	-Hoppir		-2.47 dBm 006390 GHz
M3 M4 Spectrur Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -60 dBm	Band 27.10 dBm 40 dB 100/100	2 2.3 Edge I	2.39 GHz 403 GHz NVNT 3 7.10 dB • 1 18.9 µs • 1	-41.28 dBn -DH5 248 RBW 100 kHz	Mode A	uto FF T	-Hoppir	2.480	-2.47 dBm 006390 GHz



●1Pk Max						0.15.15
20 dBm			M1[1] -2.15 dB 2.48005000 G			
10 dBm			M2[1] -47.74 dB 2.48350000 GF			
					2.100	
8						
-10 dBm						
-20 dBm-D1 -22.4	70 dBm					
-30 dBm						
-40 dBm	M4 M3	Winter march	A MAN A MARK A MARK A MARK	ash montaille	uhunahunhra	M. A. maratan
-50 dBm	to to to to the topological for		Mallara collanda da .	Dot of the Line of the Line	dire o lo o	- CP (GM (Der 0 Ind
-60 dBm						
-70 dBm	_					
Start 2.476 GHz Marker		1001 p	its		Stop	2.576 GHz
Type Ref Trc M1 1	X-value 2.48005 GHz	Y-value -2.15 dBm	Function	Fu	nction Result	
M2 1	2.4835 GHz	-47.74 dBm				
M3 1 M4 1	2.5 GHz 2.4983 GHz	-46.22 dBm -43.55 dBm				
Band E Spectrum Ref Level 27.10 dB Att 40 c	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DF			opping Re	f (T)
Band E Spectrum Ref Level 27.10 dB	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF		opping Re	
Band E Spectrum Ref Level 27.10 dB Att 40 c SGL Count 3000/300	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH				
Band E Spectrum Ref Level 27.10 dB Att 40 c SGL Count 3000/300 1Pk Max 20 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E Spectrum Ref Level 27.10 dB Att 40 c SGL Count 3000/300 1Pk Max	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E Spectrum Ref Level 27.10 dB Att 40 c SGL Count 3000/300 1Pk Max 20 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E Spectrum Ref Level 27.10 dB Att 40 c SGL Count 3000/300 1Pk Max 20 dBm 10 dBm 0 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E Spectrum Ref Level 27.10 dB Att 40 c SGL Count 3000/300 1Pk Max 20 dBm 10 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E Spectrum Ref Level 27.10 dB Att 40 c SGL Count 3000/300 1Pk Max 20 dBm 10 dBm 0 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E Spectrum Ref Level 27.10 dB Att 40 c SGL Count 3000/300 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E           Spectrum           Ref Level 27.10 dB           Att 40 c           SGL Count 3000/300           1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E Spectrum Ref Level 27.10 dB Att 40 c SGL Count 3000/300 1Pk Max 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E           Spectrum           Ref Level 27.10 dB           Att 40 c           SGL Count 3000/300           1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E           Spectrum           Ref Level 27.10 dB           Att 40 c           SGL Count 3000/300           1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E           Spectrum           Ref Level 27.10 dB           Att         40 c           SGL Count 3000/300           1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF			
Band E           Spectrum           Ref Level 27.10 dB           Att         40 c           SGL Count 3000/300           1Pk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF <sup>*</sup>		2.478	0.05 dBm 15380 GHz
Band E           Spectrum           Ref Level 27.10 dB           Att         40 c           SGL Count 3000/300           IPk Max           20 dBm           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm	Edge(Hopping) m Offset 7.10 dB B SWT 18.9 µs	NVNT 3-DH	Mode Auto FF <sup>*</sup>		2.478	0.05 dBm 15380 GHz



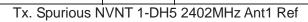
Band Edg	ge(Hopping) N\	/NT 3-DH5 2	480MHz A	nt1 Hoppin	ng Emission		
Spectrum							
Ref Level 27.10 di	Bm Offset 7.10 dB	RBW 100 kHz					
<b>Att</b> 40	dB <b>SWT</b> 227.5 μs	👄 <b>VBW</b> 300 kHz	Mode Auto FF	т			
SGL Count 500/500							
1Pk Max							
20 dBm			M1[1]		-3.10 dBm 2.47695000 GHz		
LO UDIN			M2[1]		2.47695000 GHz -45.04 dBm		
10 dBm			mz[1]		2.48350000 GHz		
dBm							
-10 dBm							
-20 dBm D1 -19.9	952 dBm						
-30 dBm							
	I4 M3						
		NAJMB		Null I and the same	mounderverterrenderal		
-50 dBm	www.www.www.		manadalan	New all all and a second and a second	wander		
So dom							
-60 dBm							
-70 dBm							
Start 2.476 GHz		1001 pt	s		Stop 2.576 GHz		
1arker		· · ·					
Type   Ref   Trc	X-value	Y-value	Function	Fund	tion Result		
M1 1	2.47695 GHz	-3.10 dBm					
M2 1	2.4835 GHz	-45.04 dBm					
M3 1 M4 1	2.5 GHz 2.4934 GHz	-43.34 dBm -42.47 dBm					
	2,1551 ditz	ierri dom					

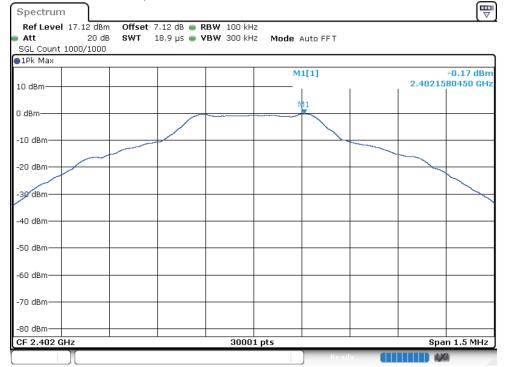


# 8.7 CONDUCTED RF SPURIOUS EMISSION

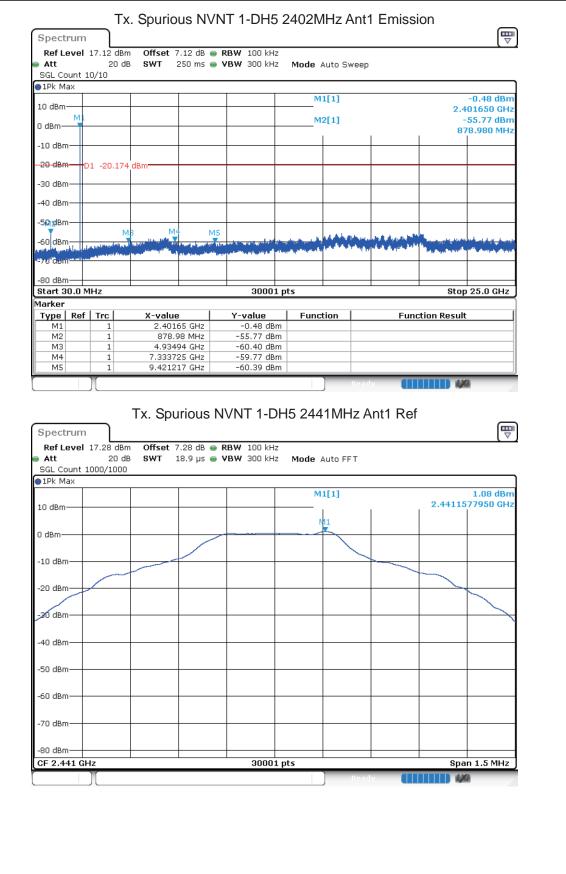
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant 1	-55.58624396682	-20	Pass
NVNT	1-DH5	2441	Ant 1	-56.85725787163	-20	Pass
NVNT	1-DH5	2480	Ant 1	-56.09398159266	-20	Pass
NVNT	2-DH5	2402	Ant 1	-33.58434776306	-20	Pass
NVNT	2-DH5	2441	Ant 1	-33.13108994663	-20	Pass
NVNT	2-DH5	2480	Ant 1	-53.85946517944	-20	Pass
NVNT	3-DH5	2402	Ant 1	-53.93047447681	-20	Pass
NVNT	3-DH5	2441	Ant 1	-54.83456456125	-20	Pass
NVNT	3-DH5	2480	Ant 1	-53.64710639708	-20	Pass

ACCREDITED

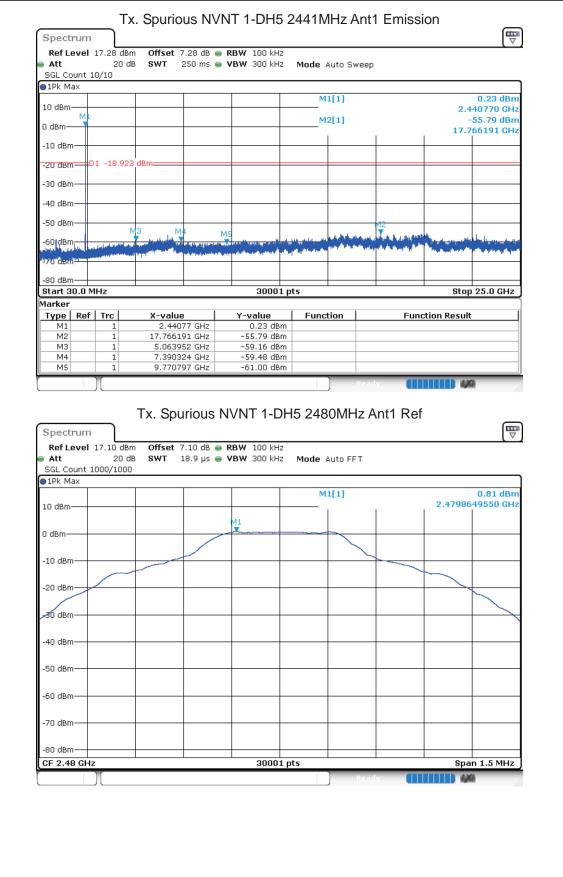




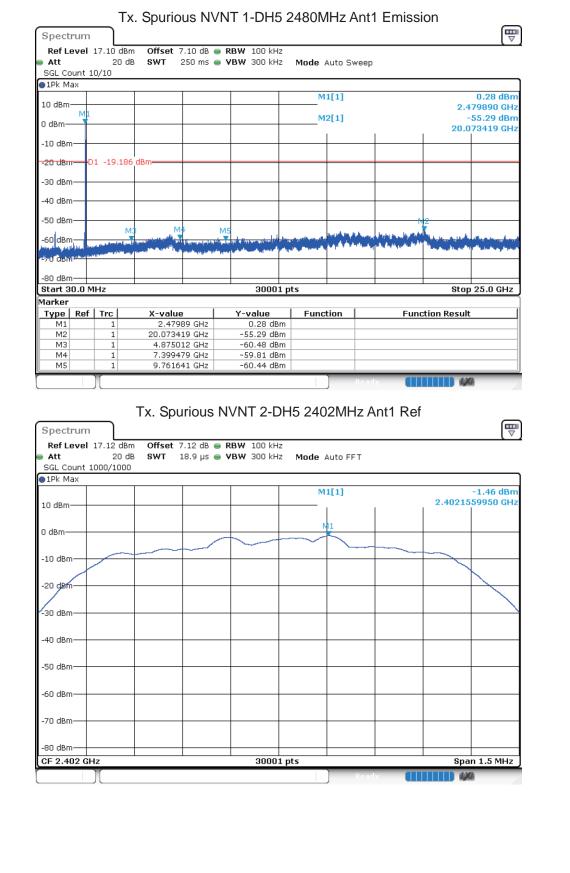




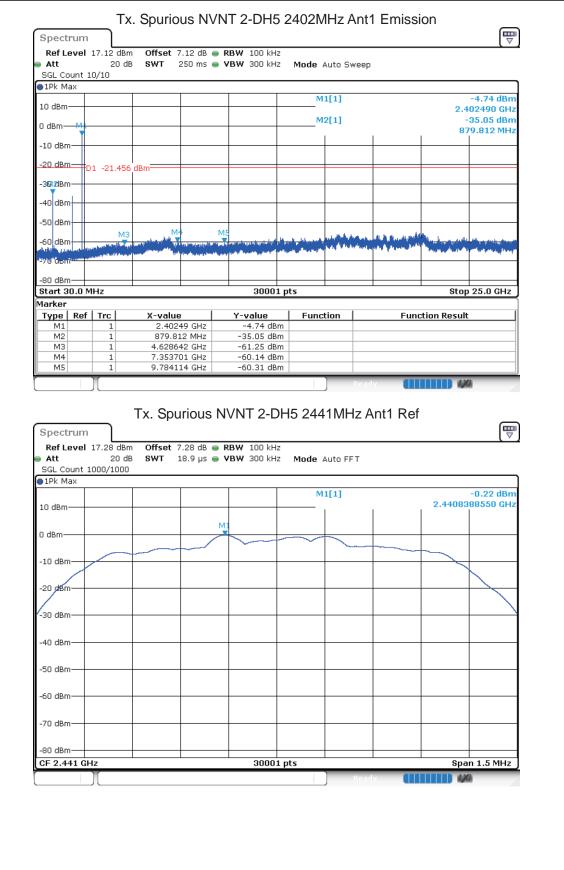




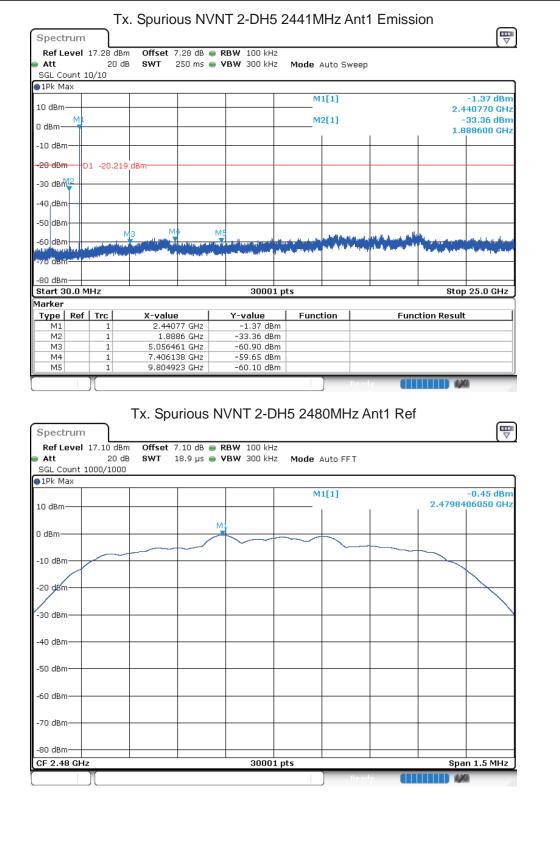




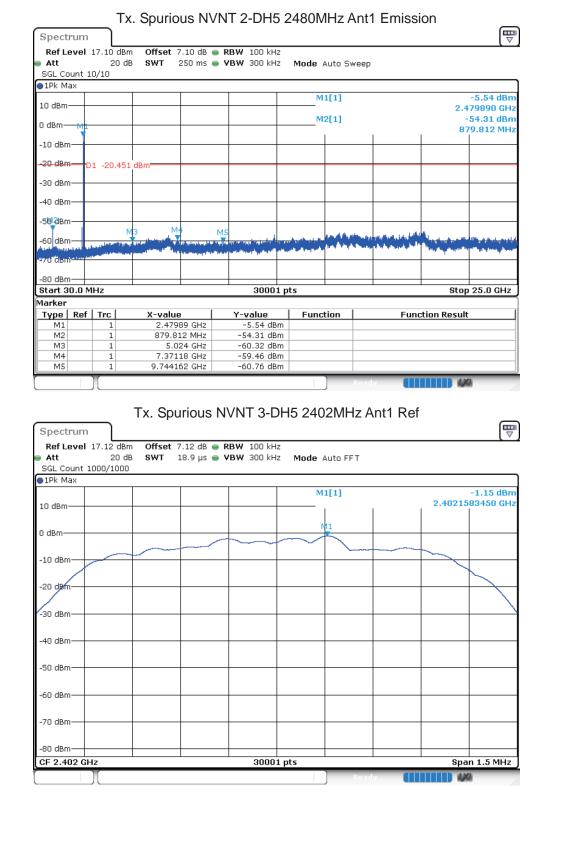




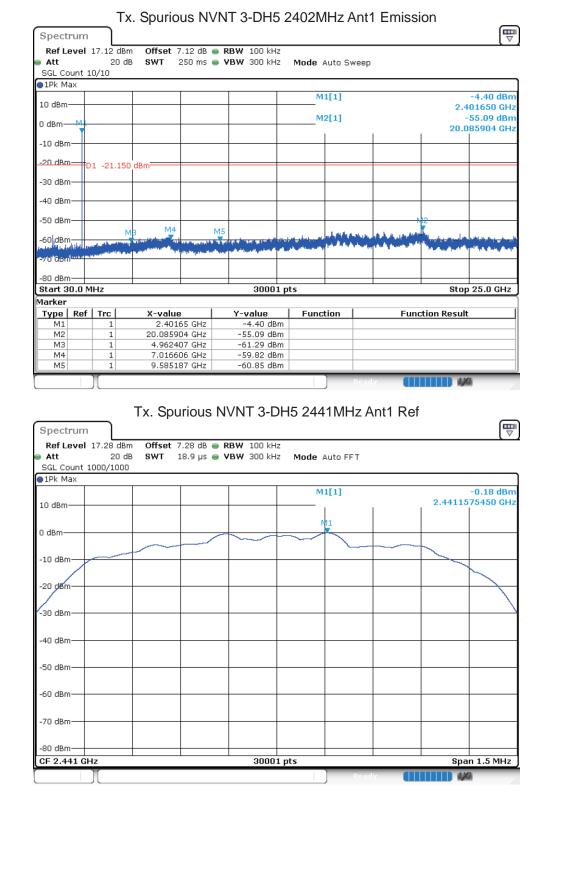




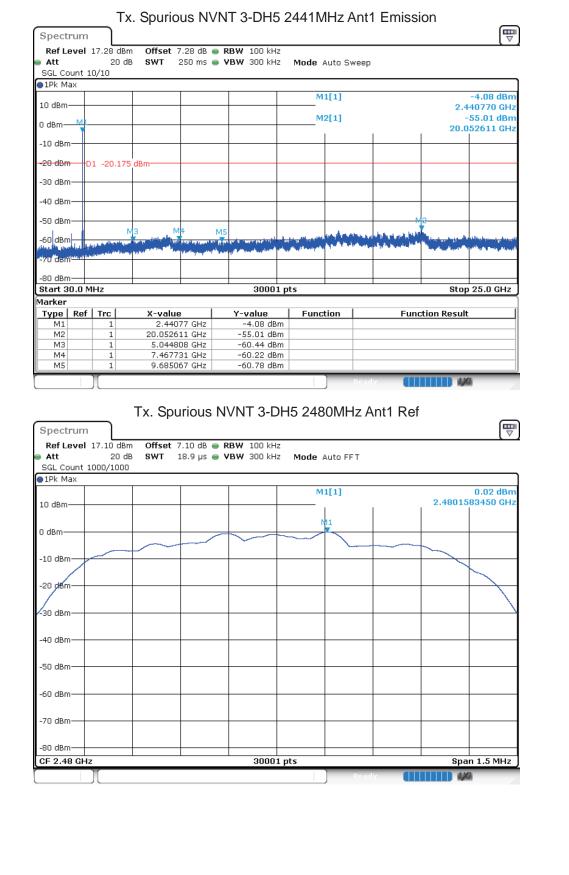




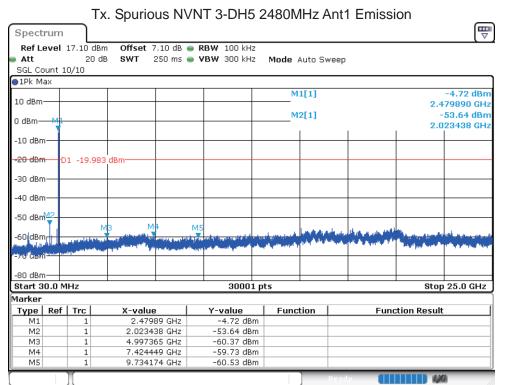












END OF REPORT