



# RADIO TEST REPORT FCC ID: 2ANMU-WP35

Product: Smart Phone

Trade Mark: OUKITEL

Model No.: WP35 Family Model: WP35 S, WP35 Pro, WP35 Ultra, WP35 TITAN Report No.: S24031810108002 Issue Date: Apr 16, 2024

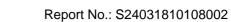
# **Prepared for**

SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA,SHENZHEN CHINA

## Prepared by

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**Table of Contents** 

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1 T	EST RESULT CERTIFICATION	
2 SU	JMMARY OF TEST RESULTS	4
	ACILITIES AND ACCREDITATIONS	
<b>3 F</b> A	CILITIES AND ACCREDITATIONS	
3.1	FACILITIES	
3.2	LABORATORY ACCREDITATIONS AND LISTINGS	
3.3	MEASUREMENT UNCERTAINTY	5
4 G	ENERAL DESCRIPTION OF EUT	6
	ESCRIPTION OF TEST MODES	
6 SI	TTUP OF EQUIPMENT UNDER TEST	
6.1	BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM	
6.2	SUPPORT EQUIPMENT.	
6.3	EQUIPMENTS LIST FOR ALL TEST ITEMS	
7 TI	EST REQUIREMENTS	14
7.1	CONDUCTED EMISSIONS TEST	
7.2	RADIATED SPURIOUS EMISSION	
7.3	6DB BANDWIDTH	
	DUTY CYCLE	
7.4	DUTYCYCLE	
	PEAK OUTPUT POWER	
7.4	PEAK OUTPUT POWER POWER SPECTRAL DENSITY	
7.4 7.5 7.6 7.7	PEAK OUTPUT POWER POWER SPECTRAL DENSITY CONDUCTED BAND EDGE MEASUREMENT	
7.4 7.5 7.6 7.7 7.8	PEAK OUTPUT POWER POWER SPECTRAL DENSITY CONDUCTED BAND EDGE MEASUREMENT SPURIOUS RF CONDUCTED EMISSIONS	29 30 32 33
7.4 7.5 7.6 7.7	PEAK OUTPUT POWER POWER SPECTRAL DENSITY CONDUCTED BAND EDGE MEASUREMENT	29 30 32 33
7.4 7.5 7.6 7.7 7.8 7.9	PEAK OUTPUT POWER POWER SPECTRAL DENSITY CONDUCTED BAND EDGE MEASUREMENT SPURIOUS RF CONDUCTED EMISSIONS	29 30 32 33 33 34
7.4 7.5 7.6 7.7 7.8 7.9	PEAK OUTPUT POWER POWER SPECTRAL DENSITY CONDUCTED BAND EDGE MEASUREMENT SPURIOUS RF CONDUCTED EMISSIONS ANTENNA APPLICATION	29 30 32 33 34 <b>35</b>

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TEST RESULT

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## **1 TEST RESULT CERTIFICATION**

Applicant's name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO., LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA,SHENZHEN CHINA
Manufacturer's Name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO., LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA,SHENZHEN CHINA
Product description	
Product name:	Smart Phone
Trade Mark:	OUKITEL
Model and/or type reference:	WP35
Family Model:	WP35 S, WP35 Pro, WP35 Ultra, WP35 TITAN
Test Sample number:	S240318101009
Date of Test:	Mar 18, 2024 ~ Apr 16, 2024

Measurement Procedure Used:

### APPLICABLE STANDARDS

APPLICABLE STANDARD/ TEST PROCEDURE

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart C

ANSI C63.10-2013

KDB 558074 D01 15.247 Meas Guidance v05r02

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.

Reviewed \_\_\_\_\_\_\_ By \_\_\_\_\_\_Aaron Cheng Approved : Alex Li Alex Li (Project Engineer) (Supervisor) (Manager)

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#### 2 SUMMARY OF TEST RESULTS

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FCC Part15 (15.247), Subpart C						
Standard Section Test Item Verdict Remark						
15.207	Conducted Emission	PASS				
15.247 (a)(2)	6dB Bandwidth	PASS				
15.247 (b) Peak Output Power PASS						
15.209 (a) 15.205 (a)	Radiated Spurious Emission	PASS				
15.247 (e)	Power Spectral Density	PASS				
15.247 (d)	Band Edge Emission	PASS				
15.247 (d)	Spurious RF Conducted Emission	PASS				
15.203	Antenna Requirement	PASS				

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#### Remark:

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





## **3 FACILITIES AND ACCREDITATIONS**

#### 3.1 FACILITIES

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

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

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

### 3.2 LABORATORY ACCREDITATIONS AND LISTINGS

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

#### 3.3 MEASUREMENT UNCERTAINTY

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

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

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#### **GENERAL DESCRIPTION OF EUT** 4

Product Feature and Specification				
Equipment Smart Phone				
Trade Mark OUKITEL				
FCC ID	2ANMU-WP35			
Model No.	WP35			
Family Model	WP35 S, WP35 Pro, WP35 Ultra, WP35 TITAN			
Model Difference	All the model are the same circuit and RF module, except the model names.			
Operating Frequency	BLE 1M: 2402~2480 MHz BLE 2M: 2404~2478 MHz			
Modulation GFSK				
Number of Channels Please refer channel list				
Antenna Type FPC Antenna				
Antenna Gain -0.17 dBi				
Adapter	Model: HJ-FG001K7-US Input: 100-240V~50/60Hz 0.6A Output: 5.0V3.0A 15.0W OR 9.0V2.0A 18.0W OR 12.0V1.5A 18.0W MAX			
Battery	DC 3.87V, 11000mAh, 42.57Wh			
Power supply DC 3.87V from battery or DC 5V from Adapter.				
HW Version	HCT-V511MB-B1			
SW Version OUKITEL_WP35_EEA_V03				

ı٢ ۶P I, F y User's Manual.

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

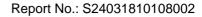




### **Revision History**

Revision history				
Report No.	Version	Description	Issued Date	
S24031810108002	Rev.01	Initial issue of report	Apr 16, 2024	





### 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.

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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/2Mbps for GFSK modulation) were used for all test.

The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

Carrier Frequency and Channel list:

BLE(1M)		BLE(2M)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402		
01	2404	01	2404
19	2440	19	2440
38	2478	38	2478
39	2480		

Note: fc=2402MHz+kx2MHz k=0 to 39

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

Test Cases				
Test Item	Data Rate/ Modulation			
AC Conducted Emission	Mode 1: normal link mode			
	Mode 1: normal link mode			
	Mode 2: GFSK Tx Ch00_2402MHz_1Mbps/			
Radiated Test	GFSK Tx Ch01_2404MHz_2Mbps			
Cases	Mode 3: GFSK Tx Ch19_2440MHz_1Mbps/2Mbps			
	Mode 4: GFSK Tx Ch39_2480MHz_1Mbps/			
	GFSK Tx Ch38_2478MHz_2Mbps			
	Mode 2: GFSK Tx Ch00_2402MHz_1Mbps/			
Conducted Test	GFSK Tx Ch01_2404MHz_2Mbps			
Conducted Test	Mode 3: GFSK Tx Ch19_2440MHz_1Mbps/2Mbps			
Cases	Mode 4: GFSK Tx Ch39_2480MHz_1Mbps/			
	GFSK Tx Ch38_2478MHz_2Mbps			



#### Note:

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

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2. AC power line Conducted Emission was tested under maximum output power.

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- 3. For radiated test cases, the worst mode data rate 2Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.
- 4. EUT built-in battery-powered, the battery is fully-charged.



6 SETUP OF EQUIPMENT UNDER TEST 6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM	
For AC Conducted Emission Mode AC PLUG C-1 AE-1 Adapter	
For Radiated Test Cases	
EUT	
For Conducted Test Cases	
Measurement Instrument EUT	
Note: The temporary antenna connector is soldered on the PCB board in orde tests and this temporary antenna connector is listed in the equipment list.	r to perform conducted

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#### 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.

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Item	Equipment	Model/Type No.	Series No.	Note
AE-1	Adapter	HJ-FG001K7-US	N/A	Peripherals

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

#### Notes:

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

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### 6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

		cst equipment					
	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4440A	MY41000130	2024.03.12	2025.03.11	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2023.05.29	2024.05.28	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2023.05.29	2024.05.28	1 year
4	Test Receiver	R&S	ESPI7	101318	2024.03.12	2025.03.11	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2024.03.11	2025.03.10	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2023.05.06	2026.05.05	3 year
7	Horn Antenna	SCHWARZBE CK	BBHA 9120 D	2816	2023.01.12	2026.01.11	3 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2022.11.07	2025.11.06	3 year
9	Amplifier	EMC	EMC051835 SE	980246	2023.05.29	2024.05.28	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2023.11.03	2026.11.02	3 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2023.05.29	2024.05.28	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2022.06.17	2025.06.16	3 year
13	Test Cable (30MHz-1GHz )	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2022.06.17	2025.06.16	3 year
15	Filter	TRILTHIC	2400MHz	29	2023.03.26	2026.03.25	3 year
16	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

Note:

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



AC Co	onduction Test	equipment					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2024.03.12	2025.03.11	1 year
2	LISN	R&S	ENV216	101313	2024.03.12	2025.03.11	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2024.03.12	2025.03.11	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2023.05.06	2026.05.05	3 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2023.05.06	2026.05.05	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2023.05.06	2026.05.05	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2023.05.06	2026.05.05	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.

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## 7 TEST REQUIREMENTS

### 7.1 CONDUCTED EMISSIONS TEST

#### 7.1.1 Applicable Standard

According to FCC Part 15.207(a)

#### 7.1.2 **Conformance Limit**

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

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

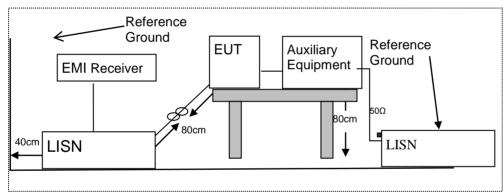
2. The lower limit shall apply at the transition frequencies

3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

#### 7.1.3 Measuring Instruments

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

#### 7.1.4 **Test Configuration**



#### 7.1.5 **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.





#### 7.1.6 Test Results

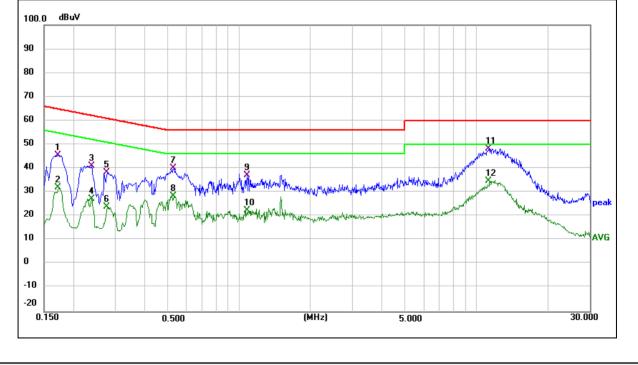
EUT:	Smart Phone	Model Name :	WP35
Temperature:	<b>22</b> ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	L
	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1720	35.58	9.97	45.55	64.86	-19.31	QP
0.1720	22.22	9.97	32.19	54.86	-22.67	AVG
0.2380	30.91	10.12	41.03	62.17	-21.14	QP
0.2380	17.27	10.12	27.39	52.17	-24.78	AVG
0.2779	28.10	10.20	38.30	60.88	-22.58	QP
0.2779	13.89	10.20	24.09	50.88	-26.79	AVG
0.5299	29.37	10.71	40.08	56.00	-15.92	QP
0.5299	17.81	10.71	28.52	46.00	-17.48	AVG
1.0780	25.22	11.82	37.04	56.00	-18.96	QP
1.0780	10.62	11.82	22.44	46.00	-23.56	AVG
11.3139	38.61	9.69	48.30	60.00	-11.70	QP
11.3139	25.08	9.69	34.77	50.00	-15.23	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.







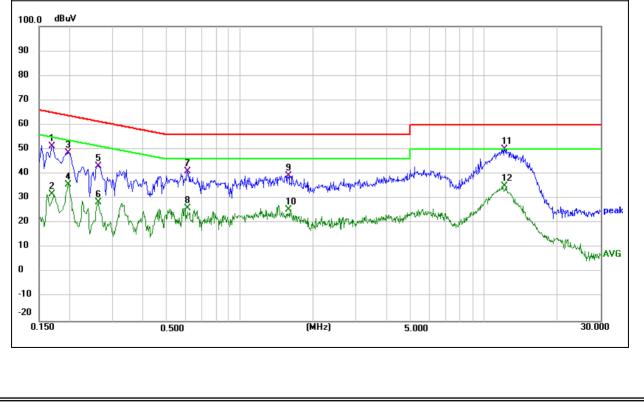
EUT:	Smart Phone	Model Name :	WP35
Temperature:	<b>22</b> °C	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	Ν
	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domorila
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1700	41.27	9.97	51.24	64.96	-13.72	QP
0.1700	21.67	9.97	31.64	54.96	-23.32	AVG
0.1980	38.49	10.03	48.52	63.69	-15.17	QP
0.1980	25.48	10.03	35.51	53.69	-18.18	AVG
0.2620	33.12	10.16	43.28	61.37	-18.09	QP
0.2620	18.38	10.16	28.54	51.37	-22.83	AVG
0.6100	30.16	10.87	41.03	56.00	-14.97	QP
0.6100	15.04	10.87	25.91	46.00	-20.09	AVG
1.5859	26.51	12.84	39.35	56.00	-16.65	QP
1.5859	12.48	12.84	25.32	46.00	-20.68	AVG
12.1340	40.35	9.70	50.05	60.00	-9.95	QP
12.1340	25.23	9.70	34.93	50.00	-15.07	AVG

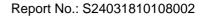
Remark:

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

2. Factor = Insertion Loss + Cable Loss.







#### 7.2 **RADIATED SPURIOUS EMISSION**

#### 7.2.1 Applicable Standard

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

#### 7.2.2 Conformance Limit

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

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MHz	MHz	GHz		
16.42-16.423	399.9-410	4.5-5.15		
16.69475-16.69525	608-614	5.35-5.46		
16.80425-16.80475	960-1240	7.25-7.75		
25.5-25.67	1300-1427	8.025-8.5		
37.5-38.25	1435-1626.5	9.0-9.2		
73-74.6	1645.5-1646.5	9.3-9.5		
74.8-75.2	1660-1710	10.6-12.7		
123-138	2200-2300	14.47-14.5		
149.9-150.05	2310-2390	15.35-16.2		
156.52475-156.52525	2483.5-2500	17.7-21.4		
156.7-156.9	2690-2900	22.01-23.12		
162.0125-167.17	3260-3267	23.6-24.0		
167.72-173.2	3332-3339	31.2-31.8		
240-285	3345.8-3358	36.43-36.5		
322-335.4	3600-4400	(2)		
	MHz 16.42-16.423 16.69475-16.69525 16.80425-16.80475 25.5-25.67 37.5-38.25 73-74.6 74.8-75.2 123-138 149.9-150.05 156.52475-156.52525 156.7-156.9 162.0125-167.17 167.72-173.2 240-285	MHzMHz16.42-16.423399.9-41016.69475-16.69525608-61416.80425-16.80475960-124025.5-25.671300-142737.5-38.251435-1626.573-74.61645.5-1646.574.8-75.21660-1710123-1382200-2300149.9-150.052310-2390156.52475-156.525252483.5-2500156.7-156.92690-2900162.0125-167.173260-3267167.72-173.23332-3339240-2853345.8-3358		

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

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

Limits of Radiated Emission Measurement(Above 1000MHz)

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

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

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.

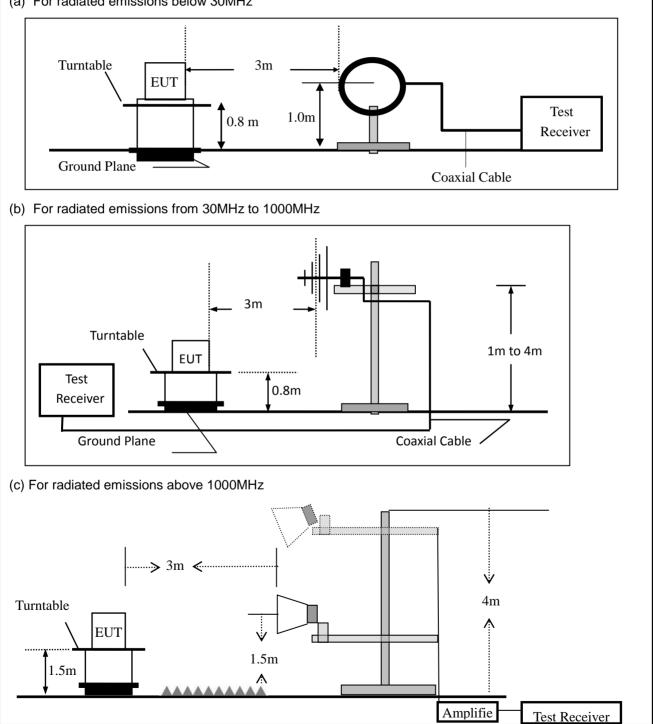
Certificate #4298.01

#### 7.2.3 **Measuring Instruments**

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

#### **Test Configuration** 7.2.4

(a) For radiated emissions below 30MHz







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.

Certificate #4298.0

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

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

Certificate #4298.01

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	1 MHz

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

#### 7.2.6 Test Results

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

EUT:	Smart Phone	Model No.:	WP35
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode1/Mode2/Mode3/ Mode4	Test By:	Mary Hu

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

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



# Certificate #4298.01

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Spurious Emission below 1GHz (30MHz to 1GHz) All the modulation modes have been tested, and the worst result was report as below:

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EUT:	Smart Phone	Model Name :	WP35
Temperature:	<b>25</b> ℃	Relative Humidity:	55%
Pressure:	1010hPa	Test Mode:	Mode 4
Test Voltage :	DC 3.87V		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark	
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)		
V	59.0251	8.32	12.14	20.46	40.00	-19.54	QP	
V	73.6170	10.87	14.06	24.93	40.00	-15.07	QP	
V	92.1388	6.04	16.84	22.88	43.50	-20.62	QP	
V	143.3261	9.99	18.49	28.48	43.50	-15.02	QP	
V	319.9370	8.41	20.47	28.88	46.00	-17.12	QP	
V	760.7036	6.46	29.02	35.48	46.00	-10.52	QP	

#### Remark







(H/V)         (MHz)         (dBuV)         (dB)         (dBuV/m)         (dBuV/m)         (dB)           H         31.0706         4.33         25.75         30.08         40.00         -9.92         QI           H         81.4970         4.62         15.46         20.08         40.00         -19.92         QI           H         149.4857         5.86         18.38         24.24         43.50         -19.26         QI           H         360.4476         4.44         22.16         26.60         46.00         -19.40         QI           H         477.1694         5.30         24.57         29.87         46.00         -16.13         QI           H         716.6820         6.04         28.23         34.27         46.00         -11.73         QI	Polar	Freque	ency		eter ading	Fact	or	Emiss Leve		Lir	nits	Mar	gin	Rema	arł
H       81.4970       4.62       15.46       20.08       40.00       -19.92       QI         H       149.4857       5.86       18.38       24.24       43.50       -19.26       QI         H       360.4476       4.44       22.16       26.60       46.00       -19.40       QI         H       477.1694       5.30       24.57       29.87       46.00       -16.13       QI         H       716.6820       6.04       28.23       34.27       46.00       -11.73       QI         Remark:       Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit       80.0       dBuV/m       dBuV/	(H/V)	(MH:	z)	(dE	3uV)	(dB	) (	(dBuV	//m)	(dBı	ıV/m)	(dE	3)		
H       149.4857       5.86       18.38       24.24       43.50       -19.26       QI         H       360.4476       4.44       22.16       26.60       46.00       -19.40       QI         H       477.1694       5.30       24.57       29.87       46.00       -16.13       QI         H       716.6820       6.04       28.23       34.27       46.00       -11.73       QI         Remark:       Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit       90.0       dBuV/m       50 <th< td=""><td>Н</td><td>31.07</td><td>'06</td><td>4</td><td>.33</td><td>25.7</td><td>5</td><td>30.0</td><td>8</td><td>40</td><td>.00</td><td>-9.9</td><td>92</td><td>QF</td><td>&gt;</td></th<>	Н	31.07	'06	4	.33	25.7	5	30.0	8	40	.00	-9.9	92	QF	>
H       360.4476       4.44       22.16       26.60       46.00       -19.40       Qi         H       477.1694       5.30       24.57       29.87       46.00       -16.13       Qi         H       716.6820       6.04       28.23       34.27       46.00       -11.73       Qi         Remark:       Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit       80.0       dBuV/m	Н	81.49	70	4	.62	15.4	.6	20.0	8	40	.00	-19.	.92	QF	2
H       477.1694       5.30       24.57       29.87       46.00       -16.13       QI         H       716.6820       6.04       28.23       34.27       46.00       -11.73       QI         Remark:       Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit       80.0       dBuV/m       dBuV/m         70       0										43	.50			QF	
H 716.6820 6.04 28.23 34.27 46.00 -11.73 QI Remark: Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit 80.0 dBuV/m 70 60 50 40 10 10 10 10 10 10 10 10 10 1														QP	
Remark: Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit 80.0 dBuV/m 70 60 50 40 30 30 10 10														QP	
Emission Level= Meter Reading+ Factor, Margin= Emission Level - Limit 80.0 dBuV/m 70 60 50 40 30 10 10 10 10 10 10 10 10 10 1			820	6	.04	28.2	3	34.2	27	46	.00	-11.	.73	QP	<u>،</u>
60 50 40 30 20 10 10 10 10 10 10 10 10 10 1			Meter F	<u>Readir</u>	<u>ig+</u> Fa	actor, Ma	urgin= E	Emissi	ion Le	evel - Li	mit				
50     50       40     50       30     50       1     50       20     50       10     10	70														
40     40     5       30     5     5       40     5       10     10     10	60														
30     1     5     6     1       20     3     3     3     3     5     1       10     1     1     1     1     1     1	50														
10	40												6 Xunt	hamplow	
10	30 🐇	Well whether where			2 1	LA MARLANDALIN	3		when	humunum	HUMMAN ANTWHE	Mr. Multimeter	MANA.		
	20		han allowed	unterformer	Sed Mindow Pran	Area		eta <sub>n d</sub> ala per							
30.000 60.00 (MHz) 300.00 1000.			60.(	)0		<u> </u>	(MHz	:)		300.00		<u> </u>		1000.0	100





EUT:		Smart Pho	one		Moc	del No.:	WP35						
Temperatu	ure:	<b>20</b> ℃			Rela	ative Humid	dity:	48%	48%				
Test Mode	):	Mode2/Mr	ode3/Mode	<del>.</del> 4	Tes	st By:		Mary Hu					
		L											
Frequency	Read Level	Cable loss	Antenna Factor	Pream Facto		Emission Level	Limits	s Margin	Remark	Comment			
(MHz)	(dBµV)	(dB)	dB/m	(dB)	,	(dBµV/m)	(dBµV/r	, ,					
		<del></del>	Low	Channel	(2402	02 MHz)(GFSF	K)Above	) 1G					
4802.35	64.95	5.21	35.59	44.30		61.45	74.00			Vertical			
4802.35	43.51	5.21	35.59	44.30	0	40.01	54.00	0 -13.99	AV	Vertical			
7206.30	62.57	6.48	36.27	44.60	0	60.72	74.00			Vertical			
7206.30	43.37	6.48	36.27	44.60	0	41.52	54.00	0 -12.48	AV	Vertical			
4804.94	63.65	5.21	35.55	44.30	4.30 60.11 74.0			0 -13.89	Pk	Horizontal			
4804.94	43.50	5.21	35.55	44.30	.30 39.96 5		54.00	0 -14.04	AV	Horizontal			
7206.77	64.12	6.48	36.27	44.52	2	62.35	74.00	0 -11.65	Pk	Horizontal			
7206.77	43.15	6.48	36.27	44.52	2	41.38	54.00	0 -12.62	AV	Horizontal			
			1	Channel (	(2440	0 MHz)(GFSk	<)Above	: 1G	_ 				
4880.90	60.67	5.21	35.66	44.20	0	57.34	74.00	0 -16.66	Pk	Vertical			
4880.90	43.79	5.21	35.66	44.20	0	40.46	54.00	0 -13.54	AV	Vertical			
7320.07	64.48	7.10	36.50	44.43	3	63.65	74.00	0 -10.35	Pk	Vertical			
7320.07	43.16	7.10	36.50	44.43	3	42.33	54.00	0 -11.67	AV	Vertical			
4880.20	64.05	5.21	35.66	44.20	0	60.72	74.00	0 -13.28	Pk	Horizontal			
4880.20	43.36	5.21	35.66	44.20	0	40.03	54.00	0 -13.97	AV	Horizontal			
7320.50	61.39	7.10	36.50	44.43	3	60.56	74.00	0 -13.44	Pk	Horizontal			
7320.50	43.58	7.10	36.50	44.43	3	42.75	54.00	0 -11.25	AV	Horizontal			
			High	Channel	(248/	80 MHz)(GFSH	<) Abov	e 1G					
4960.38	63.15	5.21	35.52	44.21	1	59.67	74.00	0 -14.33	Pk	Vertical			
4960.38	43.57	5.21	35.52	44.21	1	40.09	54.00	0 -13.91	AV	Vertical			
7440.43	62.66	7.10	36.53	44.60	0	61.69	74.00	0 -12.31	Pk	Vertical			
7440.43	43.75	7.10	36.53	44.60	0	42.78	54.00	0 -11.22	AV	Vertical			
4960.51	64.82	5.21	35.52	44.21	1	61.34	74.00	0 -12.66	Pk	Horizontal			
4960.51	43.46	5.21	35.52	44.21	1	39.98	54.00	0 -14.02	AV	Horizontal			
7440.49	63.58	7.10	36.53	44.60	0	62.61	74.00	0 -11.39	Pk	Horizontal			
7440.49	43.57	7.10	36.53	44.60	0	42.60	54.00	0 -11.40	AV	Horizontal			

Note:

(1) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor

(2)All other emissions more than 20dB below the limit.

(3)Only the worst data is recorded in the report, the data rates (2Mbps for GFSK modulation) test result is the worst



Mode2/ Mode4

Test Mode:



Mary Hu

Spurious Er	Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz									
EUT:	Smart Phone	Model No.:	WP35							
Temperature:	<b>20</b> ℃	Relative Humidity:	48%							

Test By:

Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Commont
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m) (dBµV/m)		(dB)	Туре	Comment
			L	2Mbp	s(GFSK)	L			L
2310.00	63.46	2.97	27.80	43.80	50.43	74	-23.57	Pk	Horizontal
2310.00	39.16	2.97	27.80	43.80	26.13	54	-27.87	AV	Horizontal
2310.00	60.71	2.97	27.80	43.80	47.68	74	-26.32	Pk	Vertical
2310.00	43.16	2.97	27.80	43.80	30.13	54	-23.87	AV	Vertical
2390.00	64.90	3.14	27.21	43.80	51.45	74	-22.55	Pk	Vertical
2390.00	43.73	3.14	27.21	43.80	30.28	54	-23.72	AV	Vertical
2390.00	62.52	3.14	27.21	43.80	49.07	74	-24.93	Pk	Horizonta
2390.00	43.13	3.14	27.21	43.80	29.68	54	-24.32	AV	Horizonta
2483.50	60.16	3.58	27.70	44.00	47.44	74	-26.56	Pk	Vertical
2483.50	43.58	3.58	27.70	44.00	30.86	54	-23.14	AV	Vertical
2483.50	64.95	3.58	27.70	44.00	52.23	74	-21.77	Pk	Horizonta
2483.50	43.39	3.58	27.70	44.00	30.67	54	-23.33	AV	Horizonta

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

(2)Only the worst data is recorded in the report, the data rates (2Mbps for GFSK modulation) test result is the worst



Spurious	s Emis	ssion i	n Restric	ted Band 3	326	0MHz-	18000MHz					
EUT:	5	Smart	Phone			Model	No.:		WP35			
Temperature	e: 2	<b>20 ℃</b>				Relativ	e Humidity	:	48%			
Test Mode:	ſ	Mode	2/ Mode4			Test B	y:		Mary I	Чu		
								-				
Frequency	Rea Lev	0	Cable Loss	Antenna Factor		reamp actor	Emission Level	Li	imits	Margin	Detector	Comment
(MHz)	(dB	μV)	(dB)	dB/m		(dB)	(dBµV/m)	(dB	μV/m)	(dB)	Туре	
3260	63.	.52	4.04	29.57	4	14.70	52.43		74	-21.57	Pk	Vertical
3260	43.	.58	4.04	29.57	4	14.70	32.49	54		-21.51	AV	Vertical
3260	64.	.74	4.04	29.57	4	14.70	53.65		74	-20.35	Pk	Horizontal
3260	43.	19	4.04	29.57	4	14.70	32.10		54	-21.90	AV	Horizontal
3332	63.	.50	4.26	29.87	4	14.40	53.23		74	-20.77	Pk	Vertical
3332	43.	.51	4.26	29.87	4	14.40	33.24		54	-20.76	AV	Vertical
3332	60.	59	4.26	29.87	4	14.40	50.32		74	-23.68	Pk	Horizontal
3332	43.	.09	4.26	29.87	4	14.40	32.82		54	-21.18	AV	Horizontal
17797	45.	.88	10.99	43.95	4	13.50	57.32		74	-16.68	Pk	Vertical
17797	34.	.49	10.99	43.95	4	13.50	45.93		54	-8.07	AV	Vertical
17788	45.	.20	11.81	43.69	4	14.60	56.10		74	-17.90	Pk	Horizontal
17788	34.	.43	11.81	43.69	4	14.60	45.33		54	-8.67	AV	Horizontal

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

(2)Only the worst data is recorded in the report, the data rates (2Mbps for GFSK modulation) test result is the worst



#### 7.3 6DB BANDWIDTH

#### 7.3.1 Applicable Standard

According to FCC Part 15.247(a)(2) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.2.

Certificate #4298.01

#### 7.3.2 Conformance Limit

The minimum permissible 6dB bandwidth is 500 kHz.

#### 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 Subclause 11.8 of ANSI C63.10

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:

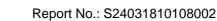
- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW)  $\geq$  3\*RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### 7.3.6 Test Results

EUT:	Smart Phone	Model No.:	WP35
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu





#### 7.4 DUTY CYCLE

#### 7.4.1 Applicable Standard

According to KDB 558074 D01 15.247 Meas Guidance v05r02s Section 6.

#### 7.4.2 **Conformance Limit**

No limit requirement.

#### 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 zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW  $\ge$  OBW if possible; otherwise, set RBW to the largest available value. Set VBW  $\ge$  RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T  $\le$  16.7 microseconds.)

Certificate #4298.01

The transmitter output is connected to the Spectrum Analyzer. We tested accroding to the zero-span measurement method, 6.0)b) in KDB 558074

The largest available value of RBW is 8 MHz and VBW is 50 MHz. The zero-span method of measuring duty cycle shall not be used if  $T \le 6.25$  microseconds. (50/6.25 = 8)

The zero-span method was used because all measured T data are > 6.25 microseconds and both RBW and VBW are > 50/T.

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 = Zero Span RBW = 8MHz(the largest available value) VBW = 8MHz ( $\geq$  RBW) Number of points in Sweep >100 Detector function = peak Trace = Clear write Measure T<sub>total</sub> and T<sub>on</sub> Calculate Duty Cycle = T<sub>on</sub> / T<sub>total</sub>





#### 7.4.6 Test Results

EUT:	Smart Phone	Model No.:	WP35
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu

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#### 7.5 PEAK OUTPUT POWER

#### 7.5.1 Applicable Standard

According to FCC Part 15.247(b)(3) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.3.1.

Certificate #4298.01

#### 7.5.2 **Conformance Limit**

The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm). If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

#### 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 Subclause 11.9.1.1 of ANSI C63.10 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: Set the RBW  $\geq$  DTS bandwidth. Set VBW =3\*RBW. Set the span  $\geq$  3\*RBW Set Sweep time = auto couple. Set Detector = peak. Set Trace mode = max hold. Allow trace to fully stabilize. Use peak marker function to determine the peak amplitude level.

#### 7.5.6 **Test Results**

EUT:	Smart Phone	Model No.:	WP35
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



#### 7.6 POWER SPECTRAL DENSITY

#### 7.6.1 Applicable Standard

According to FCC Part 15.247(e) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.4.

#### 7.6.2 **Conformance Limit**

The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

#### 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 Measurement Procedure Subclause 11.10.2 of ANSI C63.10 This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance, and is optional if the maximum conducted (average) output power was used to demonstrate compliance.

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

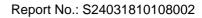
The path loss was compensated to the results for each measurement.

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

The EUT was operating in controlled its channel.

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5\*DTS bandwidth.
- c) Set the RBW to:  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .
- d) Set the VBW  $\geq$  3 RBW.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.





#### 7.6.6 Test Results

EUT:	Smart Phone	Model No.:	WP35
Temperature:	<b>20</b> °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu

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#### 7.7 CONDUCTED BAND EDGE MEASUREMENT

#### 7.7.1 Applicable Standard

According to FCC Part 15.247(d) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

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#### 7.7.2 **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.

#### 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 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

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.

Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.

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.

#### 7.7.6 Test Results

EUT:	Smart Phone	Model No.:	WP35
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode4	Test By:	Mary Hu





#### 7.8 SPURIOUS RF CONDUCTED EMISSIONS

#### 7.8.1 Conformance Limit

1. Below -20dB of the highest emission level in operating band.

2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

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#### 7.8.2 Measuring Instruments

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

#### 7.8.3 Test Setup

Please refer to Section 6.1 of this test report.

#### 7.8.4 **Test Procedure**

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300KHz to measure the peak field strength , and measure frequency range from 30MHz to 26.5GHz.

#### 7.8.5 Test Results

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





### 7.9 ANTENNA APPLICATION

#### 7.9.1 Antenna Requirement

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

#### 7.9.2 **Result**

The EUT antenna is permanent attached FPC Antenna (Gain:-0.17dBi). It comply with the standard requirement.



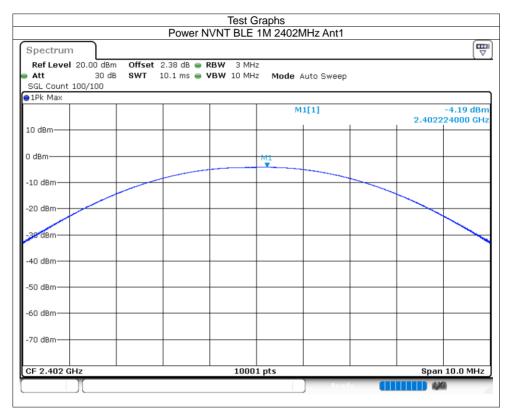


### 8 TEST RESULTS

#### 8.1 **1M**

#### 8.1.1 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-4.19	30	Pass
NVNT	BLE 1M	2440	Ant1	-2.83	30	Pass
NVNT	BLE 1M	2480	Ant1	-2.71	30	Pass



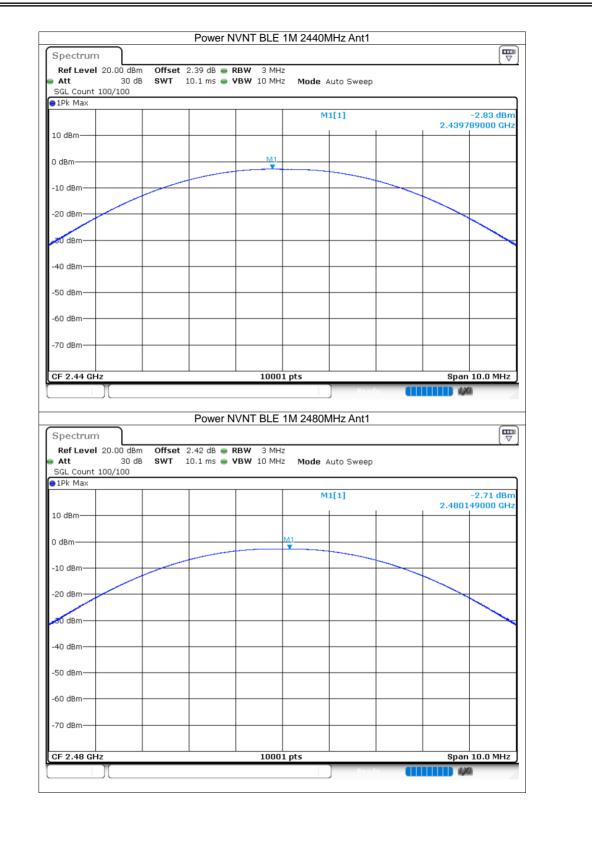


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#### Report No.: S24031810108002





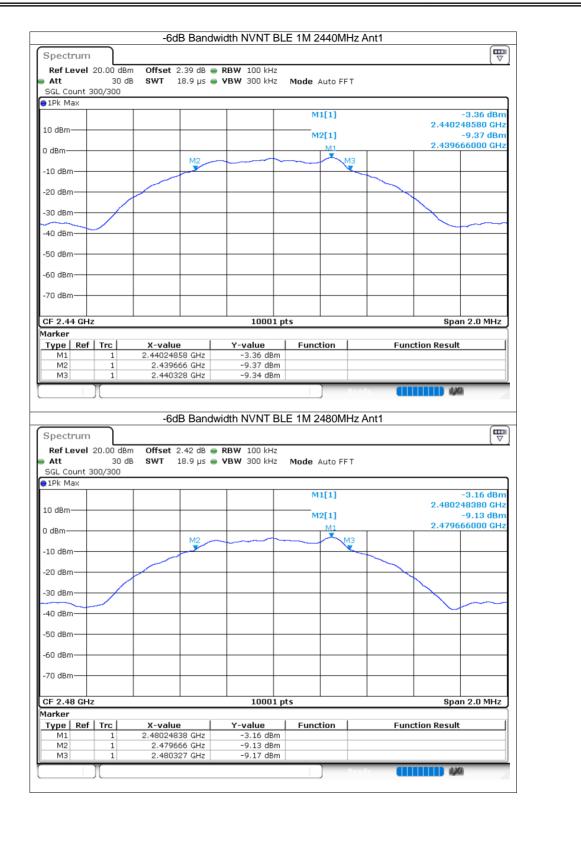
# 8.1.2 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.707	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.662	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.661	0.5	Pass

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		-6dB Bandv	width NVNT BLI	E 1M 2402M⊢	Iz Ant1		
Spectrum							l
Ref Level	20.00 dB	m Offset 2.38 dB 🖷	RBW 100 kHz				
Att	30 d		<b>VBW</b> 300 kHz	Mode Auto FF1	г		
SGL Count 1	100/100	-					
1Pk Max							
				M1[1]			-5.30 dBn
10 dBm							244180 GH
				M2[1]			-11.28 dBn
) dBm——		+		T MLT		2.4010	547000 GH
		M2			мз		
-10 dBm							
-20 dBm							
-30 dBm						$\wedge$	
-40 dBm							$\sim$
-50 dBm							
-60 dBm							
-oo ubiii							
-70 dBm							
CF 2.402 GI	lz		10001 pt	:s		Spa	n 2.0 MHz
1arker						· · ·	
Type   Ref	Trc	X-value	Y-value	Function	Fun	ction Resul	t
M1	1	2.40224418 GHz	-5.30 dBm				
M2	1	2.401647 GHz	-11.28 dBm				
MЗ	1	2.402354 GHz	-11.30 dBm				





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# 8.1.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-21.34	8	Pass
NVNT	BLE 1M	2440	Ant1	-19.95	8	Pass
NVNT	BLE 1M	2480	Ant1	-19.79	8	Pass

	)	1.001		2402MHz Ant1	I		Ē
Spectrum							[₩
Ref Level 20.0		_	RBW 3 kHz				
Att SGL Count 100/1	30 dB SWT	632.2 µs 🥌	VBW 10 kHz	Mode Auto FFT			
1Pk Max	00						
				M1[1]		-	21.34 dBr
						2.402	07095 GH
10 dBm							
0 dBm							
-10 dBm							
-10 0811							
-20 dBm				M1			
20 00.00		mony	moundary	horad work on the state	mouras.		
-30 dBm	mann	<b>v</b> · <b>v</b>			· · · · · · · · · · · · · · · · · · ·	multiply and	
y www.prew				harana ana ana ana ana ana ana ana ana an			When the true
-40 dBm							
-50 dBm							
-60 dBm							
-70 dBm			+ +				
CF 2.402 GHz	1		1001 p	ts	1	Snan 1.(	0605 MHz



Ref Level 20.00 Att	30 dB <b>SWT</b>	2.39 dB 👄 RE 632 µs 👄 VI		Mode A	uto FFT			
IPK Max				м	1[1]			-19.95 dBm
10 dBm					1	I	2.4400	070430 GHz
D dBm								
-10 dBm								
-20 dBm	Lan Down ramAy	Mumm	when when	MI	or all and a second	www.		
-30 damm	Ann N I						Jon Work Work	May Month
								6 10 V
-40 dBm								
-50 dBm		+ +						
-60 dBm								
-70 dBm		+ +						
CF 2.44 GHz			1001				0	
			1001	prs			span	993.0 kHz
Spectrum Ref Level 20.00		2.42 dB 🖷 R	NT BLE 11	M 2480M		× (11	<b></b> ) 4	
Spectrum Ref Level 20.00 Att 300/30	30 dB <b>SWT</b>		NT BLE 11	M 2480M		· •		
Spectrum Ref Level 20.00 Att 300/30	30 dB <b>SWT</b>	2.42 dB 🖷 R	NT BLE 11	M 2480M Mode /		y <b>(11</b>		
Spectrum Ref Level 20.00 Att : SGL Count 300/30 1Pk Max	30 dB <b>SWT</b>	2.42 dB 🖷 R	NT BLE 11	M 2480M Mode /	Auto FFT	× ••••		
Spectrum Ref Level 20.00	30 dB <b>SWT</b>	2.42 dB 🖷 R	NT BLE 11	M 2480M Mode /	Auto FFT	× <b>()</b>		-19.79 dBm
Spectrum Ref Level 20.00 Att SGL Count 300/30 1Pk Max	30 dB <b>SWT</b>	2.42 dB 🖷 R	NT BLE 11	M 2480M Mode /	Auto FFT	× <b>1</b>		-19.79 dBm
Spectrum Ref Level 20.00 Att :: SGL Count 300/30 1Pk Max 10 dBm	30 dB <b>SWT</b>	2.42 dB 🖷 R	NT BLE 11	M 2480M Mode /	Auto FFT	× ••••••••••••••••••••••••••••••••••••		-19.79 dBm
Spectrum Ref Level 20.00 Att SGL Count 300/30 91Pk Max 10 dBm -10 dBm	30 dB SWT	2.42 dB • F 632.2 µs • V	NT BLE 11	M 2480M Mode / M	Auto FFT	× ••••••••••••••••••••••••••••••••••••	2.4800	(
Spectrum Ref Level 20.00 Att 35 SGL Count 300/30 1Pk Max 10 dBm -10 dBm	30 dB SWT	2.42 dB • F 632.2 µs • V	NT BLE 11	M 2480M Mode / M	Auto FFT	www.	2.4800	(
Spectrum Ref Level 20.00 Att SGL Count 300/30 91Pk Max 10 dBm -10 dBm	30 dB SWT	2.42 dB • F 632.2 µs • V	NT BLE 11	M 2480M Mode / M	Auto FFT	www.ww	2.4800	(
Spectrum Ref Level 20.00 Att SGL Count 300/30 91Pk Max 10 dBm -10 dBm	30 dB SWT	2.42 dB • F 632.2 µs • V	NT BLE 11	M 2480M Mode / M	Auto FFT	www.w	2.4800	(
Spectrum Ref Level 20.00 Att :: SGL Count 300/30 11Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -40 dBm	30 dB SWT	2.42 dB • F 632.2 µs • V	NT BLE 11	M 2480M Mode / M	Auto FFT	www.	2.4800	(
Spectrum Ref Level 20.00 Att :: SGL Count 300/30 91Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm//w <sup>w</sup> W/w <sup>A</sup>	30 dB SWT	2.42 dB • F 632.2 µs • V	NT BLE 11	M 2480M Mode / M	Auto FFT	www.ww	2.4800	(
Spectrum Ref Level 20.00 Att :: SGL Count 300/30 11Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30	30 dB SWT	2.42 dB • F 632.2 µs • V	NT BLE 11	M 2480M Mode / M	Auto FFT		2.4800	(
Spectrum Ref Level 20.00 Att S SGL Count 300/30 11Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	30 dB SWT	2.42 dB • F 632.2 µs • V	NT BLE 11	M 2480M Mode / M	Auto FFT		2.4800	(
Spectrum Ref Level 20.00 Att :: SGL Count 300/30 11Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30	30 dB SWT	2.42 dB • F 632.2 µs • V	NT BLE 11	M 2480M Mode / M	Auto FFT		2.4800	(
Spectrum Ref Level 20.00 Att S SGL Count 300/30 11Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	30 dB SWT	2.42 dB • F 632.2 µs • V	NT BLE 11	Mode /	Auto FFT		2.4800	(

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# 8.1.4 Band Edge

ondition	Mode	Frequency	(MHz) Ante		alue (dBc)	Limit (dBc)	Verdi
NVNT	BLE 1M	2402	An		44.44	-20	Pass
NVNT	BLE 1M	2480	An	t1 -	39.14	-20	Pass
	[					1	
		Ron	Test C d Edge NVNT BLE	Graphs	1 Ref		
	Spectrum		a Lugo NVINT DLE		1 1101		
	Ref Level 2	0.00 dBm Offset 2.	38 dB 👄 RBW 100 kHz	:		[ ]	
	Att SGL Count 1		8.9 µs 👄 <b>VBW</b> 300 kHz	Mode Auto FFT			
	<ul> <li>1Pk Max</li> </ul>	00/100					
				M1[1]		-5.17 dBm 2.40199200 GHz	
	10 dBm				+ + +	2.10155200 012	
	0 dBm						
	0 dBill		M	1			
	-10 dBm		f~				
	-20 dBm						
	-20 0811						
	-30 dBm				+		
	-40 dBm		$\sim$	L Vm			
	-+o ubii						
	-50 dBm			$\vdash$			
	-60 dBm	$\sim$	~ *		hum	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	oo abiii						
	-70 dBm						
	-70 dBm CF 2.402 GH	z	1001	L pts		Span 8.0 MHz	
		iz	1001	L pts	ndy (	Span 8.0 MHz	
			1001 Edge NVNT BLE 1N	Rea	idy <b>Cullin</b>		
	CF 2.402 GH	Band E	Edge NVNT BLE 1N	/ 2402MHz Ant1 E	ndy <b>()</b>	Span 8.0 MHz	
	CF 2.402 GH Spectrum Ref Level 2	Band E	Edge NVNT BLE 1N .38 dB ● RBW 100 kH	A 2402MHz Ant1 E	mission		
	CF 2.402 GH Spectrum Ref Level 2 Att SGL Count 2	D.00 dBm Offset 2 35 dB SWT 22	Edge NVNT BLE 1N	A 2402MHz Ant1 E	mission		
	CF 2.402 GH Spectrum Ref Level 2 Att	D.00 dBm Offset 2 35 dB SWT 22	Edge NVNT BLE 1N .38 dB ● RBW 100 kH	A 2402MHz Ant1 E	indy <b>Constant</b>		
	CF 2.402 GH Spectrum Ref Level 2 Att SGL Count 2	D.00 dBm Offset 2 35 dB SWT 22	Edge NVNT BLE 1N .38 dB ● RBW 100 kH	A 2402MHz Ant1 E		-4.67 dBm 2.40225000 GHz	
	CF 2.402 GH Spectrum Ref Level 2 Att SGL Count 2 ● 1Pk Max	D.00 dBm Offset 2 35 dB SWT 22	Edge NVNT BLE 1N .38 dB ● RBW 100 kH	A 2402MHz Ant1 E		-4.67 dBm	
	CF 2.402 GH Spectrum Ref Level 2 Att SGL Count 2 • 1Pk Max 10 dBm 0 dBm	D.00 dBm Offset 2 35 dB SWT 22	Edge NVNT BLE 1N .38 dB ● RBW 100 kH	A 2402MHz Ant1 E		-4.67 dBm 2.40225000 GHz -56.01 dBm	
	CF 2.402 GH Spectrum Ref Level 2 Att SGL Count 2 • 1Pk Max 10 dBm - 10 dBm - 10 dBm	D.00 dBm Offset 2 35 dB SWT 22	Edge NVNT BLE 1N .38 dB ● RBW 100 kH	A 2402MHz Ant1 E		-4.67 dBm 2.40225000 GHz -56.01 dBm	
	CF 2.402 GH Spectrum Ref Level 2 Att SGL Count 2 P1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm D	D.00 dBm Offset 2 35 dB SWT 22	Edge NVNT BLE 1N .38 dB ● RBW 100 kH	A 2402MHz Ant1 E		-4.67 dBm 2.40225000 GHz -56.01 dBm	
	CF 2.402 GH Spectrum Ref Level 2 Att SGL Count 2 10 dBm 0 dBm -10 dBm -20 dBm	Band E Band E 0.00 dBm Offset 2 35 dB SWT 22 00/200	Edge NVNT BLE 1N .38 dB ● RBW 100 kH	A 2402MHz Ant1 E		-4.67 dBm 2.40225000 GHz -56.01 dBm	
	CF 2.402 GH Spectrum Ref Level 2 Att SGL Count 2 P1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm D	Band E Band E 0.00 dBm Offset 2 35 dB SWT 22 00/200	Edge NVNT BLE 1N .38 dB ● RBW 100 kH	A 2402MHz Ant1 E		-4.67 dBm 2.40225000 GHz -56.01 dBm 2.4000000000CHz	
	CF 2.402 GH Spectrum Ref Level 2 Att SGL Count 2 • 1Pk Max 10 dBm - 10 dBm - 20 dBm - 30 dBm - 40 dBm - 50 dBm	Band E Band E 0.00 dBm Offset 2 35 dB SWT 22 00/200	Edge NVNT BLE 1 .38 dB • RB₩ 100 k- 7.5 µs • YB₩ 300 k-	I         2402MHz Ant1 E           Iz         Image: Comparison of the second seco		-4.67 dBm 2.40225000 GHz -56.01 dBm 2.40000000,GHz	
	CF 2.402 GH Spectrum Ref Level 2 Att SGL Count 2 PIPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Band E Band E 0.00 dBm Offset 2 35 dB SWT 22 00/200	Edge NVNT BLE 1N .38 dB ● RBW 100 kH 7.5 µs ● VBW 300 kH	I         2402MHz Ant1 E           Iz         Image: Comparison of the second seco		-4.67 dBm 2.40225000 GHz -56.01 dBm 2.400000000CHz	
	CF 2.402 GH Ref Level 2 Att SGL Count 2 PIPk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Band E Band E 0.00 dBm Offset 2 35 dB SWT 22 00/200	Edge NVNT BLE 1 .38 dB • RB₩ 100 k- 7.5 µs • YB₩ 300 k-	I         2402MHz Ant1 E           Iz         Image: Comparison of the second seco		-4.67 dBm 2.40225000 GHz -56.01 dBm 2.40000000,GHz	
	CF 2.402 GH Ref Level 2 Att SGL Count 2 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm	Band E Band E 0.00 dBm Offset 2 35 dB SWT 22 00/200 1 -25.166 dBm 4//wm//	Edge NVNT BLE 1N .38 dB • RBW 100 kH 7.5 µs • VBW 300 kH 	M     2402MHz Ant1 E       Iz     Iz       Iz     Mode Auto FFT       M1[1]     M2[1]       M2[1]     I       Image:	M3	-4.67 dBm 2.40225000 GHz -56.01 dBm 2.40000000,GHz	
	CF 2.402 GH Ref Level 2 Att SGL Count 2 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm	Band E Band E 0.00 dBm Offset 2 35 dB SWT 22 00/200 1 -25.166 dBm 4//wm//	Edge NVNT BLE 1 .38 dB • RBW 100 k- 7.5 µs • YBW 300 k-	M     2402MHz Ant1 E       Iz     Iz       Iz     Mode Auto FFT       M1[1]     M2[1]       M2[1]     I       Image:	M3	-4.67 dBm 2.40225000 GHz -56.01 dBm 2.40000000,GHz	
	CF 2.402 GH	Band B           0.00 dBm         Offset         2           35 dB         SWT         22           00/200	Edge NVNT BLE 1N .38 dB • RBW 100 k- 7.5 µs • VBW 300 k- 	Image: Auge of the second s	M3	-4.67 dBm 2.40225000 GHz -56.01 dBm 2.40000000,GHz	
	CF 2.402 GH Ref Level 2 Att SGL Count 2 PIPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm Ref Level 2 Att SGL Count 2 PIPk Max -10 dBm -10 dBm -30 dBm -30 dBm -40 dBm -70 dBm -	Band E           0.00 dBm         Offset         2           35 dB         SWT         22           00/200	Edge NVNT BLE 1N .38 dB ● RB₩ 100 kH 7.5 µs ● VB₩ 300 kH 	M     2402MHz Ant1 E       Iz     Mode Auto FFT       M1[1]     M2[1]       M2[1]     Interview (March 100 mm/s)       Interview (March 100 mm/s)     Interview (March 100 mm/s) </td <td>Marin Marin Marina</td> <td>-4.67 dBm 2.40225000 GHz -56.01 dBm 2.40000000,GHz</td> <td></td>	Marin Marin Marina	-4.67 dBm 2.40225000 GHz -56.01 dBm 2.40000000,GHz	
	CF 2.402 GH	Band E 0.00 dBm Offset 2 35 dB SWT 22 00/200 1 -25.166 dBm 4/wm/n	Edge NVNT BLE 1N .38 dB • RBW 100 kF 7.5 µs • VBW 300 kF 	Image: Second state	Marin Marin Marina	-4.67 dBm 2.40225000 GHz -56.01 dBm 2.40000000,GHz	



Att	30.00 dBm 45 dB			RBW 100 kHz /BW 300 kHz	Mode A	uto FFT			
SGL Count 1Pk Max	100/100								
					м	1[1]			-3.21 dBm
n din er						1		2.480	24780 GHz
:0 dBm									
0 dBm									
dBm					M1				
10 dB				m	$\sim$				
10 dBm—									
20 dBm—				+/+	$\rightarrow$				
				/	1				
30 dBm—				- /					
40 dB				$\forall$		$\sim$			
40 dBm—						h		man	$\sim$
50 dBm—	m .	m				- 000		• ~ • •	~~~~~~
60 dBm—				+ +					
F 2.48 GI	Hz			1001	pts			Spa	n 8.0 MHz
Spectrur	_][ n	Band	Edge NV	NT BLE 1M	2480MH	Z Ant1 Em	nission		
Ref Level Att	30.00 dBm 45 dB	Offset 2	2.42 dB 🔵	NT BLE 1M RBW 100 kHz VBW 300 kHz	!		nission		
Ref Level Att SGL Count	30.00 dBm 45 dB	Offset 2	2.42 dB 🔵	<b>RBW</b> 100 kHz	!		hission		
Ref Level Att SGL Count	30.00 dBm 45 dB	Offset 2	2.42 dB 🔵	<b>RBW</b> 100 kHz	Mode .		nission		-3.96 dBm
Ref Level Att GGL Count 1Pk Max	30.00 dBm 45 dB	Offset 2	2.42 dB 🔵	<b>RBW</b> 100 kHz	Mode . M	Auto FFT 1[1]	hission		-3.96 dBm 95000 GHz
Ref Level Att GGL Count 1Pk Max 0 dBm	30.00 dBm 45 dB	Offset 2	2.42 dB 🔵	<b>RBW</b> 100 kHz	Mode . M	Auto FFT	hission	-	-3.96 dBm
Ref Level Att GGL Count 1Pk Max 0 dBm	30.00 dBm 45 dB	Offset 2	2.42 dB 🔵	<b>RBW</b> 100 kHz	Mode . M	Auto FFT 1[1]	hission	-	-3.96 dBm 95000 GHz 44.24 dBm
Att SGL Count IPk Max 0 dBm 0 dBm 0 dBm	30.00 dBm 45 dB	Offset 2	2.42 dB 🔵	<b>RBW</b> 100 kHz	Mode . M	Auto FFT 1[1]	nission	-	-3.96 dBm 95000 GHz 44.24 dBm
Att SGL Count IPk Max 0 dBm 0 dBm 0 dBm	30.00 dBm 45 dB	Offset 2	2.42 dB 🔵	<b>RBW</b> 100 kHz	Mode . M	Auto FFT 1[1]	nission	-	-3.96 dBm 95000 GHz 44.24 dBm
Ref Level Att GGL Count 1Pk Max 0 dBm 0 dBm dBm 10 dBm	30.00 dBm 45 dB 100/100	Offset 2 SWT 22	2.42 dB 🔵	<b>RBW</b> 100 kHz	Mode . M	Auto FFT 1[1]	nission	-	-3.96 dBm 95000 GHz 44.24 dBm
Ref Level Att SGL Count 1Pk Max 0 dBm 0 dBm 0 dBm 10 dBm 20 dBm	30.00 dBm 45 dB	Offset 2 SWT 22	2.42 dB 🔵	<b>RBW</b> 100 kHz	Mode . M	Auto FFT 1[1]	hission	-	-3.96 dBm 95000 GHz 44.24 dBm
Ref Level Att SGL Count 1Pk Max 0 dBm	30.00 dBm 45 dB 100/100	Offset 2 SWT 22	2.42 dB ● 2.7.5 µs ●	RBW 100 kHz	Mode M	Auto FFT  1[1]  2[1]		2.483	-3.96 dBm 95000 GHz 44.24 dBm 50000 GHz
Att           SGL Count           SGL Count           1Pk Max           0 dBm           0 dBm           0 dBm           0 dBm           20 dBm           30 dBm           40 dBm	30.00 dBm 45 dB 100/100	Offset 2 SWT 22	2.42 dB ● 2.7.5 µs ●	<b>RBW</b> 100 kHz	Mode M	Auto FFT  1[1]  2[1]		2.483	-3.96 dBm 95000 GHz 44.24 dBm 50000 GHz
Ref Level           Att           SGL Count           IPK Max           0 dBm           0 dBm           0 dBm           0 dBm           10 dBm           20 dBm           30 dBm           40 dBm	30.00 dBm 45 dB 100/100	Offset 2 SWT 22	2.42 dB ● 2.7.5 µs ●	RBW 100 kHz	Mode M	Auto FFT  1[1]  2[1]		2.483	-3.96 dBm 95000 GHz 44.24 dBm 50000 GHz
Ref Level           Att           SGL Count           SGL Count           1Pk Max           0 dBm	30.00 dBm 45 dB 100/100	Offset 2 SWT 22	2.42 dB ● 2.7.5 µs ●	RBW 100 kHz	Mode M	Auto FFT  1[1]  2[1]		2.483	-3.96 dBm 95000 GHz 44.24 dBm 50000 GHz
Ref Level           Att           SGL Count           SGL Count           IPk Max           0 dBm           20 dBm           30 dBm           50 dBm           50 dBm	30.00 dBm 45 dB 100/100	Offset 2 SWT 22	2.42 dB ● 2.7.5 µs ●	RBW 100 kHz		Auto FFT  1[1]  2[1]		2.483	-3.96 dBm 95000 GHz 44.24 dBm 50000 GHz
Ref Level           Att           SGL Count           SGL Count           1Pk Max           0 dBm           50 dBm           50 dBm           50 dBm	30.00 dBm 45 dB 100/100	Offset 2 SWT 22	2.42 dB ● 2.7.5 µs ●	RBW 100 kHz		Auto FFT  1[1]  2[1]		2.483	-3.96 dBm 95000 GHz 44.24 dBm 50000 GHz
Ref Level           Att           SGL Count           SGL Count           1Pk Max           0 dBm           0 dBm           0 dBm           0 dBm           10 dBm           20 dBm           30 dBm           50 dBm           50 dBm           50 dBm	30.00 dBm 45 dB 100/100	Offset 2 SWT 22	2.42 dB ● 	RBW 100 kHz	Mode معلی المحل المحل امحل محل المحل المحل محل المحل محل محل المحل المحل المحل محل محل محل محل محل محل محل محل محل محل محل محل محل محل محل محل	Auto FFT  1[1] 2[1]	Marry	2.483	-3.96 dBm 95000 GHz 44.24 dBm 50000 GHz
Ref Level           Att           SGL Count           SGL Count           IPk Max           0 dBm           50 dBm	30.00 dBm 45 dB 100/100	Offset 2 SWT 22 dBm dBm M4 M2 data data dBm	2.42 dB • 27.5 μs • 27.5	RBW         100 kHz           VBW         300 kHz	۲ Mode . ۲ Mode . ۳ M ۲	Auto FFT  1[1] 2[1]	Marry	2.483	-3.96 dBm 95000 GHz 44.24 dBm 50000 GHz
Ref Level           Att           SGL Count           SGL Count           1Pk Max           0 dBm           0 dBm           0 dBm           10 dBm           20 dBm           10 dBm           20 dBm           50 dBm           50 dBm           50 dBm           start 2.47           arker           Type           M1           M2           M3	30.00 dBm 45 dB 100/100 	Offset 2 SWT 22 dBm dBm M4 M2 A M M M M M4 M2 A M M M M4 M2 A M M M4 M2 A M M M M M M M M M M M M M M M M M M M	2.42 dB .7.5 μs 	RBW 100 kHz VBW 300 kHz	۲ Mode .	Auto FFT  1[1] 2[1]	Marry	2.483	-3.96 dBm 95000 GHz 44.24 dBm 50000 GHz
Ref Level           Att           SGL Count           SGL Count           1Pk Max           0 dBm           20 dBm           30 dBm           50 dBm           50 dBm           50 dBm           50 dBm           50 dBm           50 dBm           60 dBm           70 dBm	30.00 dBm 45 dB 100/100 	Offset 2 SWT 22 dBm dBm M4 M2 A M M M M M4 M2 A M M M M4 M2 A M M M4 M2 A M M M M M M M M M M M M M M M M M M M	2.42 dB 77.5 μs 77.5	RBW 100 kHz	۲ Mode .	Auto FFT  1[1] 2[1]	Marry	2.483	-3.96 dBm 95000 GHz 44.24 dBm 50000 GHz

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### 8.1.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-44.86	-20	Pass
NVNT	BLE 1M	2440	Ant1	-47.03	-20	Pass
NVNT	BLE 1M	2480	Ant1	-48.11	-20	Pass

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		Tv Q		Test Gr NVNT BLE	apris 1M 2/02M	Hz Ant1	Rof			
	_	17. 9		NVINI DLE					G	-
Spectrum									['	₹)
Ref Level				BW 100 kHz						
Att SGL Count 3	30 dE 200/300	5 SWT 18	r.a ha 👄 🗚	' <b>BW</b> 300 kHz	Mode Au	to FFT				
1Pk Max	300/300									
					M1[	1]			-5.14 dE	3m
						-		2.401	9920000 G	
0 dBm										
dBm				ML						_
					~~~~					
LO dBm										
20 dBm —	-	<u>     </u>								
30 dBm —									+	
40 dBm										
50 dBm		+ +		++					+	
50 dBm										
70 dBm										
F 2.402 G	Hz			30001	nts			S	pan 1.5 MH	12
										- 1
nostrum		Tx. Spur	rious NVI	NT BLE 1M		Read Ant1 En	nission		<b>i</b> ya	
						Read Ant1 En	nission		(C	₽)
Ref Level Att	20.00 dBm 30 dB	n Offset 2.3	38 dB 👄 R	NT BLE 1M BW 100 kHz BW 300 kHz	2402MHz		nission			
Ref Level Att GGL Count 1	20.00 dBm 30 dB	n Offset 2.3	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz		nission		<b>1</b> 1 1	
Ref Level Att GGL Count 1	20.00 dBm 30 dB	n Offset 2.3	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au	to Sweep	nission			₹
Ref Level Att GGL Count 1 1Pk Max	20.00 dBm 30 dB	n Offset 2.3	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz	to Sweep	nission	2	-6.39 dE	₩ ₩
Ref Level Att GGL Count 1 1Pk Max	20.00 dBm 30 dB	n Offset 2.3	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au	to Sweep	nission		-6.39 dE 2.402070 G -50.00 dE	₩ m Hz Sm
Ref Level Att GGL Count 1 1Pk Max	20.00 dBm 30 dB	n Offset 2.3	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au	to Sweep	nission		-6.39 dE .402070 G	₩ m Hz Sm
Ref Level Att GGL Count 1 1Pk Max D dBm M1	20.00 dBm 30 dB	n Offset 2.3	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au	to Sweep	nission		-6.39 dE 2.402070 G -50.00 dE	₩ m Hz Sm
Art SGL Count 1 SGL Count 1 1Pk Max 0 dBm dBm 10 dBm	20.00 dBm 30 dB	n Offset 2.3	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au	to Sweep	nission		-6.39 dE 2.402070 G -50.00 dE	₩ m Hz Sm
Ref Level Att SGL Count 1 1Pk Max 0 dBm dBm 10 dBm 20 dBm	20.00 dBm 30 dE 10/10	n Offset 2.3 3 SWT 26	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au	to Sweep	nission		-6.39 dE 2.402070 G -50.00 dE	₩ m Hz Sm
Ref Level Att GGL Count 1 1Pk Max 0 dBm dBm 10 dBm 20 dBm	20.00 dBm 30 dB	n Offset 2.3 3 SWT 26	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au	to Sweep	nission		-6.39 dE 2.402070 G -50.00 dE	₩ m Hz Sm
Ref Level Att GGL Count 3 1Pk Max 0 dBm M1 L0 dBm 20 dBm 30 dBm	20.00 dBm 30 dE 10/10	n Offset 2.3 3 SWT 26	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au	to Sweep	nission		-6.39 dE 2.402070 G -50.00 dE	₩ m Hz Sm
Ref Level Att GGL Count 3 1Pk Max 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm	20.00 dBm 30 dE 10/10	n Offset 2.3 3 SWT 26	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au	to Sweep	nission		-6.39 dE 2.402070 G -50.00 dE	₩ m Hz Sm
Ref Level Att SGL Count 1 1Pk Max 0 dBm dBm M1 10 dBm 40 dBm M2	20.00 dBm 30 dE 10/10	n Offset 2.3 3 SWT 26	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au	to Sweep	nission		-6.39 dE 2.402070 G -50.00 dE	₩ m Hz Sm
Ref Level Att SGL Count 1 1Pk Max 0 dBm dBm M1 10 dBm 40 dBm M2	20.00 dBm 30 dE 10/10	dBm	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au 	to Sweep	nission		-6.39 dE 2.402070 G -50.00 dE	₩ m Hz Sm
Ref Level Att SGL Count 1 1Pk Max 0 dBm dBm 0 dBm 20 dBm 40 dBm M2 50 dBm	20.00 dBm 30 dE 10/10	dBm	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au 	to Sweep 1] 1]	nission		-6.39 dE 2.402070 G -50.00 dE	₩ m Hz Sm
Ref Level Att GGL Count 1 IPk Max 0 dBm dBm 0 dBm 10 dBm 20 dBm 40 dBm 50 dBm	20.00 dBm 30 dE 10/10	dBm	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au 	to Sweep 1] 1]	nission		-6.39 dE 2.402070 G -50.00 dE	₩ m Hz Sm
Ref Level Att GGL Count 3 IPk Max 0 dBm 0 dBm 10 dBm 20 dBm 20 dBm 40 dBm	20.00 dBm 30 dE 10/10	dBm	38 dB 👄 R	BW 100 kHz	2402MHz Mode Au 	to Sweep 1] 1]	nission		-6.39 dE -50.00 dE 897.334 M	Bm ∀ Bm Hz Hz Hz
Ref Level Att GL Count 3 IPk Max 0 dBm 0 dBm 10 dBm 20 dBm 20 dBm 40 dBm	20.00 dBm 30 dE 10/10	dBm	38 dB 👄 R	<b>BW</b> 100 kHz	2402MHz Mode Au 	to Sweep 1] 1]	nission		-6.39 dE 2.402070 G -50.00 dE	Bm ∀ Bm Hz Hz Hz
Ref Level Att GGL Count 3 1Pk Max 0 dBm 0 dBm 10 dBm 20 dBm 20 dBm 40 dBm 10 dBm 70 dBm 70 dBm 70 dBm 40 dBm 70 dBm 70 dBm	20.00 dBm 30 dE 10/10 01 -25.138 M3 M42 MHz	dBm- M4	38 dB 👄 R	BW 100 kHz BW 300 kHz	2402MHz Mode Au M1[ M2[ M2[ M2[ M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2[ M2] M2] M2[ M2] M2] M2] M2] M2] M2] M2] M2]	to Sweep 1] 1]		Jahon Marina Jahon	-6.39 dE	Bm ∀ Bm Hz Hz Hz
Ref Level Att GGL Count 3 1Pk Max 0 dBm 0 dBm 10 dBm 20 dBm 20 dBm 40 dBm 10 dBm 70 dBm 70 dBm 70 dBm 40 dBm 70 dBm 70 dBm	20.00 dBm 30 dE 10/10 01 -25.138 M3 M4 M4 M4 M4 M4 M4 Z	D Offset 2.3 3 SWT 26 dBm dBm M4 M4 X-value 2.40207	38 dB	BW 100 kHz	2402MHz Mode Au M1[ M2[ D D D D D D D D D D D D D D D D D D D	to Sweep 1] 1]			-6.39 dE	Bm ∀ Bm Hz Hz Hz
30 dBm 40 dBm M2 50 dBm 70 dBm tart 30.0 N arker Fype [ Ref M1 M2	20.00 dBm 30 dE 10/10 01 -25.138 M3 MHz MHz Trc 1 1	dBm M4 M4 X-value 2.40207 897.334	38 dB	BW 100 kHz BW 300 kHz	2402MHz Mode Au M1[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2	to Sweep 1] 1]		Jahon Marina Jahon	-6.39 dE	Bm ∀ Bm Hz Hz Hz
Ref Level Att GGL Count 2 1Pk Max 0 dBm 0 dBm 10 dBm 20 dBm 20 dBm 40 dBm 40 dBm 70 dBm 70 dBm 70 dBm 40 dB	20.00 dBm 30 dE 10/10 01 -25.138 01 -25.138 M42 MHz 1 1 1 1	Offset 2.3           SWT 26           B           dBm           dBm           2           2           2           2           2           2           2           2           2           2           2           2           2           2           4           99301	38 dB 55 ms V V V V V V V V V V V V V	BW 100 kHz BW 300 kHz	2402MHz Mode Au M1[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2	to Sweep 1] 1]		Jahon Marina Jahon	-6.39 dE	Bm ∀ Bm Hz Hz Hz
Ref Level Att GL Count 3 IPk Max 0 dBm 0 dBm 10 dBm 20 dBm 20 dBm 20 dBm 40 dBm	20.00 dBm 30 dE 10/10 01 -25.138 M3 MHz MHz Trc 1 1	dBm M4 M4 X-value 2.40207 897.334	38 dB	BW 100 kHz BW 300 kHz	2402MHz Mode Au M1[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[	to Sweep 1] 1]		Jahon Marina Jahon	-6.39 dE	Bm ∀ Bm Hz Hz Hz
Ref Level Att GGL Count 2 1Pk Max 0 dBm dBm 10 dBm 20 dBm 20 dBm 40 dB	20.00 dBm 30 dE 10/10 D1 -25.138 M3 M4 MHz MHz	A         Offset 2.3           B         SWT         26           SWT         26         26<	38 dB	BW 100 kHz BW 300 kHz	2402MHz Mode Au M1[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[ M2[	to Sweep 1] 1]		store and a store	-6.39 dE	Bm ∀ Bm Hz Hz Hz

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	unt 1	30.00/100	ub <b>a</b> v	*I .	ro's h2 (	- + D W	300 KHZ	mode /	AULO FF I					
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			Т	x. Sp	urious I	NVNT E	BLE 1M	2440MH	) Pe Iz Ant1 I	ody Emissio	on		<i>ja</i>	
Ref Le Att	evel	20.00 d 30	Bm Of	fset 2	2.39 dB (	RBW	100 kHz	2440MH			on		<i>M</i>	
Ref Le Att GGL Co	e <b>vel</b> iunt 1	30	Bm Of	fset 2	2.39 dB (	RBW	100 kHz				on		<i>/</i> //	
Ref Le Att GGL Co	e <b>vel</b> iunt 1	30	Bm Of	fset 2	2.39 dB (	RBW	100 kHz	Mode /	Auto Swee		on		-3.4	
Ref Le Att GGL Co 1Pk Ma	evel iunt 1 ax	30	Bm Of	fset 2	2.39 dB (	RBW	100 kHz	Mode /	Auto Swee		on	2	.44001	9 dBm L0 GHz
Ref Le Att SGL Co 1Pk Ma	evel ount 1 ax	30	Bm Of	fset 2	2.39 dB (	RBW	100 kHz	Mode /	Auto Swee		on		.44001 -50.3	9 dBm 10 GHz 8 dBm
Ref Le Att SGL Co 1Pk Ma	evel ount 1 ax	30	Bm Of	fset 2	2.39 dB (	RBW	100 kHz	Mode /	Auto Swee		on I		.44001 -50.3	9 dBm L0 GHz
Ref Le Att SGL Co 1Pk Ma 0 dBm-	evel ount 1 ax M1	30	Bm Of	fset 2	2.39 dB (	RBW	100 kHz	Mode /	Auto Swee				.44001 -50.3	9 dBm 10 GHz 8 dBm
Ref Le Att SGL Co 1Pk Ma 0 dBm- 1 dBm- 10 dBm	evel	30	Bm Of dB SV	fset 2	2.39 dB (	RBW	100 kHz	Mode /	Auto Swee				.44001 -50.3	9 dBm 10 GHz 8 dBm
Ref Le Att SGL Co 1Pk Ma 0 dBm- 10 dBm- 10 dBm	M1	30	Bm Of dB SV	fset 2	2.39 dB (	RBW	100 kHz	Mode /	Auto Swee		on		.44001 -50.3	9 dBm 10 GHz 8 dBm
Ref Le Att SGL Co 1Pk Ma 0 dBm- 10 dBm- 10 dBm	M1	30	Bm Of dB SV	fset 2	2.39 dB (	RBW	100 kHz	Mode /	Auto Swee		on		.44001 -50.3	9 dBm 10 GHz 8 dBm
Ref La Att SGL Co 1Pk Ma 0 dBm- 1 dBm- 10 dBm 20 dBm 30 dBm	M1	30	Bm Of dB SV	fset 2	2.39 dB (	RBW	100 kHz	Mode /	Auto Swee	ep	on		.44001 -50.3	9 dBm 10 GHz 8 dBm
Ref La Att <u>SGL Co</u> 1Pk Ma 0 dBm- 10 dBm- 10 dBm 20 dBm 30 dBm	M1	30 0/10	Bm Of dB SV	fset 2 VT :	2.39 dB ( 265 ms (	• RBW • VBW	100 kHz 300 kHz	Mode /	Auto Swee	2p		18	.44001 -50.3 .06401	9 dBm 10 GHz 8 dBm 11 GHz
Ref La Att <u>SGL Co</u> 1Pk Ma 0 dBm- 10 dBm- 10 dBm 20 dBm 30 dBm	M1	30 0/10	Bm Of dB SV	fset 2 VT :	2.39 dB ( 265 ms (	RBW VBW	100 kHz 300 kHz	Mode /	Auto Swee	22		18.	.44001 -50.3 06401	9 dBm 10 GHz 8 dBm 11 GHz
Gpectu Ref La SGL Co SGL CO SG	M1	30 0/10	Bm Of dB SV	fset 2 VT :	2.39 dB ( 265 ms (	• RBW • VBW	100 kHz 300 kHz	Mode /	Auto Swee	2p		18	.44001 -50.3 06401	9 dBm 10 GHz 8 dBm 11 GHz
Ref Lo Att 5GL Co 1Pk Ma 0 dBm- 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm	MI MI	30 0/10	Bm Of dB SV	fset 2 VT :	2.39 dB ( 265 ms (	• RBW • VBW	100 kHz 300 kHz	Mode /	Auto Swee	22		18.	.44001 -50.3 06401	9 dBm 10 GHz 8 dBm 11 GHz
Ref Le           Att           GGL Co           1Pk Ma           0 dBm-           10 dBm           10 dBm           20 dBm           30 dBm           40 dBm           50 dBm           70 dBm	MI	30 .0/10	Bm Of dB SV	fset 2 VT :	2.39 dB ( 265 ms (	• RBW • VBW	100 kHz 300 kHz	Mode / M M	Auto Swee	22		18.	.44001 -50.3 .06401	9 dBm 10 GHz 8 dBm 11 GHz
Ref Lt           Att           SGL Co           1PK M2           0 dBm-           dBm-           10 dBm-           10 dBm-           30 dBm-           40 dBm-           50 dBm           50 dBm           50 dBm           70 dBm           70 dBm	MI	30 .0/10	Bm Of dB SV	fset 2 VT :	2.39 dB ( 265 ms (	• RBW • VBW	100 kHz 300 kHz	Mode / M M	Auto Swee	22		18.	.44001 -50.3 06401	9 dBm 10 GHz 8 dBm 11 GHz
Ref Lt           Att           SGL Co           1Pk M:           0 dBm-           10 dBm           10 dBm           20 dBm           30 dBm           30 dBm           50 dBm           70 dBm           70 dBm           70 dBm           arker	A constraints of the second se	30 0/10 11 -23.3	Bm Of dB SV	fset 2 VT :	2.39 dB (265 ms )	RBW     VBW	100 kHz 300 kHz	Mode /	Auto Swee	22		18.	.44001 -50.3 .06401	9 dBm 10 GHz 8 dBm 11 GHz
Ref Lef Att GGL Co 11Pk MA 0 dBm- 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 70 dBm 70 dBm 71 dBm 71 dBm 72 dBm	A constraints of the second se	30 0/10 1 -23.3 IHz	Bm Of dB SV	fset 2 VT :	2.39 dB ( 265 ms (	RBW VBW	100 kHz 300 kHz	Mode /	Auto Swee	22		18.	.44001 -50.3 .06401	9 dBm 10 GHz 8 dBm 11 GHz
Ref Let Att SGL Co SGL	A constraints of the second se	30 0/10 1 -23.3 IHz IHz	Bm Of dB SV	fset 2 VT : 	2.39 dB ( 265 ms ( ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) )	RBW     VBW     VBW     45     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     100     10	100 kHz 300 kHz 	Mode / M M M 	Auto Swee	22		18.	.44001 -50.3 .06401	9 dBm 10 GHz 8 dBm 11 GHz
Ref Lt           Att           SGL Co.           SGL Co.           SGL Co.           SGL Co.           O dBm-           dBm-           10 dBm-           10 dBm-           10 dBm-           30 dBm           30 dBm           50 dBm           50 dBm           50 dBm           40 dBm           70 dBm           40 dBm           40 dBm           50 dBm           start 3           arker           M1           M2           M3	A constraints of the second se	30 0/10 1 -23.3 IHz ITrc 1 1 1	Bm Of dB SV	Fset 2 VT : 	2.39 dB ( 265 ms ( 26	RBW VBW	100 kHz 300 kHz 	Mode /	Auto Swee	22		18.	.44001 -50.3 .06401	9 dBm 10 GHz 8 dBm 11 GHz
Ref Lt           Att           GGL Co           1Pk M           0 dBm           10 dBm           10 dBm           10 dBm           10 dBm           30 dBm           30 dBm           50 dBm           50 dBm           50 dBm           40 dBm           51 dBm           52 dBm           40 dBm           50 dBm           40 dBm           51 dBm           52 dBm           40 dBm           50 dBm           40 dBm           51 dBm           52 dBm           53 dBm           54 dBm           55 dBm           56 dBm           57 dBm           58 dBm           59 dBm           50 dBm           51 dBm           52 dBm           53 dBm           54 dBm           55 dBm           56 dBm<	A constraints of the second se	30 0/10 1 -23.3 IHz IHz	Bm Of dB SV	Fset 2 VT : 2.440 2.440 3.0640 2.440	2.39 dB ( 265 ms ( ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) )	RBW VBW	100 kHz 300 kHz	Mode /	Auto Swee	22		18.	.44001 -50.3 .06401	9 dBm 10 GHz 8 dBm 11 GHz
Ref Lt           Att           SGL Co.           SGL Co.           SGL Co.           SGL Co.           O dBm-           0 dBm-           10 dBm           10 dBm           10 dBm           10 dBm           30 dBm           30 dBm           50 dBm           50 dBm           40 dBm           50 dBm           start 3           arker           M1           M2           M3	A constraints of the second se	30 0/10 1 -23.3 IHz ITrc 1 1 1	Bm Of dB SV	Fset 2 VT : 2.440 2.440 3.0640 2.440	2.39 dB ( 265 ms ( 26	RBW VBW	100 kHz 300 kHz 	Mode /	Auto Swee	22		18.	.44001 -50.3 .06401	9 dBm 10 GHz 8 dBm 11 GHz

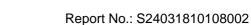
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Att		20.00 dBr 30 d 30 d			• RBW 100 kHz • VBW 300 kHz	Mode Auto	FFT			
1Pk M		,								
						M1[1]				-3.16 dBm
.0 dBm·					_				2.48024	87420 GHz
I dBm—							M1			
							$\frown$			
10 dBm										
20 dBm					_					
	$\wedge$									
30 d8m										
40 dBm										
TO UBIT	'									
50 dBm										
60 dBm										
70 dBm										
, o ubli	'									
CF 2.48	3 GH7				30001	nts				n 1.5 MHz
. 2.10	Junz				00001		Read			
										///
Snect	200		Tx. Sp	urious N	IVNT BLE 1M	2480MHz A	nt1 En	nission		m
Ref Le Att	evel 2	20.00 dBr 30 d	m Offset 2	2.42 dB 🖷	RBW 100 kHz			nission		
Ref Le Att SGL Co	e <b>vel</b> 2 iunt 5/	30 d	m Offset 2	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto	) Sweep	nission		
Ref Le Att SGL Co 1Pk Ma	evel 2 Junt 5/ BX	30 d	m Offset 2	2.42 dB 🖷	• <b>RBW</b> 100 kHz		) Sweep	nission	2.4	(∇) -3.79 dBm
Ref Lo Att SGL Co 1Pk Ma	evel 2 Junt 5/ BX	30 d	m Offset 2	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto	Sweep	nission	-	
Ref Lo Att SGL Co 1Pk Ma	evel 2 Junt 5/ BX	30 d	m Offset 2	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto	Sweep	nission	-	-3.79 dBm 79720 GHz
Ref Lo Att SGL Co IPk Ma O dBm	evel 2 ount 5/ ax	30 d	m Offset 2	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto	Sweep	nission	-	
Ref Lo Att 5GL Co 1Pk Ma 0 dBm dBm 10 dBm	evel 2	30 d /5	m Offset 2 B SWT :	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto	Sweep	nission	-	
Ref Lo Att SGL Co 1Pk Ma 0 dBm- 10 dBm- 10 dBm- 20 dBm	evel 2 ount 5/ ax	30 d	m Offset 2 B SWT :	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto	Sweep	nission	-	
<b>Ref Lo</b> <b>Att</b> <u>SGL Co</u> <u>1Pk Ma</u> <u>1 dBm</u> <u>1 dBm</u> <u>10 dBm</u> <u>20 dBm</u> <u>30 dBm</u>		30 d /5	m Offset 2 B SWT :	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto	Sweep	nission	-	
Ref Lo Att SGL Co 1Pk Ma 0 dBm- 0 dBm- 10 dBm- 20 dBm 30 dBm 40 dBm	MI DI	30 d /5	m Offset 2 B SWT :	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto M1[1] M2[1]	Sweep		-	
Ref Lo Att SGL Co 1Pk Ma 0 dBm- 0 dBm- 10 dBm- 20 dBm 30 dBm 40 dBm	MI DI	30 d /5	n Offset 2 B SWT	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto 	Sweep		-	
Att <u>SGL Co</u> <u>1Pk Ma</u> <u>0</u> dBm <u>0</u> dBm <u>10</u> dBm <u>20 dBm</u> <u>30 dBm</u> <u>40 dBm</u> <u>50 dBm</u>	evel 2	30 d /5 1 -23.155	n Offset 2 B SWT	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto M1[1] M2[1]	Sweep		-	
Ref Lo Att 5GL Co 1Pk Ma 0 dBm- 1 dBm- 10 dBm 20 dBm 30 dBm 40 dBm	evel 2	30 d /5 1 -23.155	n Offset 2 B SWT	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto 	Sweep		-	
Ref Lt           Att           GGL Cc           1Pk M.           0 dBm-           dBm-           10 dBm           10 dBm           30 dBm           30 dBm           40 dBm           50 dBm           40 dBm           70 dBm	M DI	30 d	n Offset 2 B SWT	2.42 dB 🖷	RBW 100 kHz     VBW 300 kHz	Mode Auto	Sweep			-3.79 dBm 79720 GHz 51.27 dBm 86695 GHz
Ref Lt           Att           SGL Cc           1Pk M.           0 dBm           dBm           10 dBm           10 dBm           10 dBm           30 dBm           40 dBm           50 dBm           50 dBm           50 dBm           70 dBm           70 dBm	M DI	30 d	n Offset 2 B SWT	2.42 dB 🖷	• <b>RBW</b> 100 kHz	Mode Auto	Sweep			
Ref Ld Att GGL Ca 1Pk M. 0 dBm- 10 dBm- 10 dBm- 20 dBm 30 dBm 40	M DI	30 d /5 1 -23.155 	n Offset 2 B SWT	2.42 dB 265 ms	RBW         100 kHz           VBW         300 kHz	Mode Auto	nst, kylet			-3.79 dBm 79720 GHz 51.27 dBm 86695 GHz
Ref Lo Att 5GL Co 1Pk M 0 dBm 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm	unt 5/           M1           01           01           01           01           01           01           01           01	30 d /5	n Offset 2 B SWT	2.42 dB 265 ms	RBW         100 kHz           VBW         300 kHz	Mode Auto	nst, kylet		- 16.3	-3.79 dBm 79720 GHz 51.27 dBm 86695 GHz
Ref Lu Att SGL Ca SGL C	unt 5/           M1           01           01           01           01           01           01           01           01	30 d /5	m Offset 2 B SWT : 6 dBm 6 dBm 7 dBm	2.42 dB 265 ms	RBW         100 kHz           VBW         300 kHz	Mode Auto	nst, kylet		- 16.3	-3.79 dBm 79720 GHz 51.27 dBm 86695 GHz
Ref Lt           Att           SGL Ca           SGL Ca           SGL Ca           SGL Ca           SGL Ca           JPk M.           0 dBm           dBm           10 dBm           10 dBm           20 dBm           30 dBm           40 dBm           50 dBm           70 dBm           40 dBm           70 dBm           To dBm           To dBm           To dBm	unt 5/           M1           01           01           01           01           01           01           01           01	30 d /5	m Offset 2 B SWT : 6 dBm 6 dBm 7 dBm	2.42 dB 265 ms	RBW         100 kHz           VBW         300 kHz	Mode Auto	nst, kylet		- 16.3	-3.79 dBm 79720 GHz 51.27 dBm 86695 GHz

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#### 8.2 **2M**

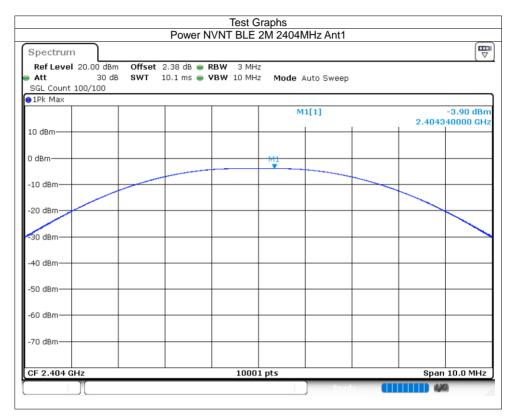
#### 8.2.1 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2404	Ant1	-3.9	30	Pass
NVNT	BLE 2M	2440	Ant1	-2.61	30	Pass
NVNT	BLE 2M	2478	Ant1	-2.53	30	Pass

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Certificate #4298.01

ilac-MR





Att SGL Count	20.00 dBm 30 dB 100/100		RBW 3 MH: VBW 10 MH:		Auto Sweep			
1Pk Max				м	1[1]			-2.61 dBm
10 dBm						I	2.4396	66000 GHz
10 0.0								
0 dBm——		 	M1	· •				
-10 dBm—		 						
-20 dBm <del></del>								
20 0011								
-30 dBm—								
-40 dBm								
-50 dBm								
-60 dBm								
-70 dBm								
CF 2.44 GH	lz '		1000	1 pts	\		Span	10.0 MHz
Ref Leve	20.00 dBm	2.42 dB 👄	IVNT BLE	2				
Ref Level Att SGL Count	I 20.00 dBm 30 dB	2.42 dB 👄		2				
Ref Level Att SGL Count	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z z Mode /				-2.53 dBm
Ref Level Att SGL Count 1Pk Max	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z z Mode /	Auto Sweep		2.4784	
Ref Level Att SGL Count 1Pk Max	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z z Mode /	Auto Sweep		2.4784	-2.53 dBm
Ref Level Att SGL Count 1Pk Max	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z Mode / Mode /	Auto Sweep		2.4784	-2.53 dBm
Ref Level Att SGL Count IPk Max 10 dBm	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z Mode / Mode /	Auto Sweep		2.4784	-2.53 dBm
Ref Level SGL Count SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z Mode / Mode /	Auto Sweep		2.4784	-2.53 dBm
Ref Level           Att           SGL Count           IPk Max           10 dBm           -10 dBm           -20 dBm	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z Mode / Mode /	Auto Sweep		2.4784	-2.53 dBm
Ref Level           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z Mode / Mode /	Auto Sweep		2.4784	-2.53 dBm
Ref Level           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z Mode / Mode /	Auto Sweep		2.4784	-2.53 dBm
Ref Level           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z Mode / Mode /	Auto Sweep		2.4784	-2.53 dBm
Ref Level           Att           SGL Count           IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z Mode / Mode /	Auto Sweep		2.4784	-2.53 dBm
Ref Level           Att           SGL Count           SGL Count           IPk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z Mode / Mode /	Auto Sweep		2.4784	-2.53 dBm
Ref Level           Att           SGL Count           SGL Count           IPk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm	I 20.00 dBm 30 dB	2.42 dB 👄	RBW 3 MH	z Mode / Mode /	Auto Sweep		2.4784	-2.53 dBm
Ref Level           Att           SGL Count           SGL Count           ID dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -60 dBm           -70 dBm	1 20.00 dBm 30 dB 100/100	2.42 dB 👄	RBW 3 MH	Z Mode /	Auto Sweep			-2.53 dBm 18000 GHz
Spectrum Ref Level SGL Count 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm -70 dBm	1 20.00 dBm 30 dB 100/100	2.42 dB 👄	RBW 3 MH	Z Mode /	Auto Sweep			-2.53 dBm 18000 GHz

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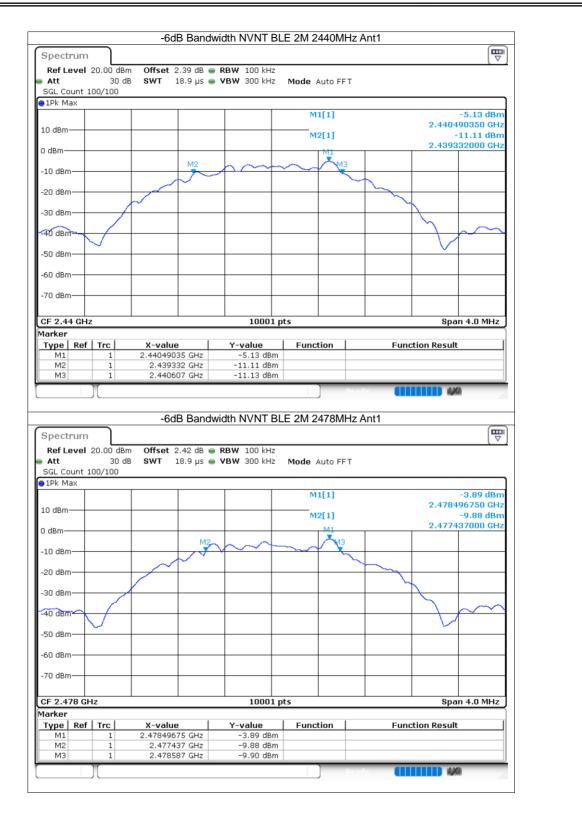


# 8.2.2 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 2M	2404	Ant1	1.159	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.275	0.5	Pass
NVNT	BLE 2M	2478	Ant1	1.15	0.5	Pass

Ref Level         20.00         dBm         Offset         2.38         dB         RBW         100 kHz           Att         30 dB         SWT         18.9 µs         VBW         300 kHz         Mode         Auto FFT           SGL         Count         3000/3000         M1[1]         2.403           ID         dBm         M2[1]         2.403           IO         dBm         M2         M3           -10         dBm         M2         M3           -20         dBm         M2         M3           -30 dBm         -40         -40         -40           -70 dBm         -40         -40         -40						rum	Spect
Att         30 dB         SWT         18.9 µs         VBW 300 kHz         Mode Auto FFT           SGL Count 3000/3000         Image: Solid State Stat					L		
SGL Count 3000/3000       IPk Max       10 dBm       -10 dBm       -20 dBm       -30 dBm       -50 dBm       -70 dBm			-			evel	
IPk Max       M1[1]       2.400         10 dBm       M2[1]       2.400         0 dBm       M2       M3         -10 dBm       M2       M3         -20 dBm       -30 dBm       -30 dBm         -50 dBm       -60 dBm       -70 dBm	de Auto FFT	Mode Auto	<b>VBW</b> 300 KHZ				
10 dBm     M1[1]     2.403       10 dBm     M2[1]     2.403       -10 dBm     M2     M3       -20 dBm     M1     -00       -30 dBm     -00     -00       -50 dBm     -00     -00       -70 dBm     -00     -00				00	UUU/3L		
10 dBm 2.403 0 dBm 2.403 10 dBm 2.403 10 dBm 2.403 10 dBm 4.403 10						ax -	ЭТЬК М
10 dBm M2[1] 2.403 0 dBm M2 -10 dBm	M1[1] -4.88 dBn 2.403991200 GH:	MILI					
0 dBm 2.403		MOLT					10 dBm
0 dBm     M2       -10 dBm     M2       -20 dBm     -30 dBm       -30 dBm     -30 dBm       -50 dBm     -30 dBm       -50 dBm     -30 dBm	M2[1] -10.87 UBH 2.403425000 GH	MZ[1]					
-10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm -70 dBm	2.+03+23000 GH		M				0 dBm-
-20 dBm -30 dBm -30 dBm -50 dBm -60 dBm -70 dBm	<u>∕</u> ••13	$\sim$		M2			
-30 dBm -40 dBm -50 dBm -60 dBm -70 dBm							-10 dBn
-30 dBm -30 dBm -50 dBm -60 dBm -70 dBm							00 d0-
-50 dBm -60 dBm -70 dBm							-20 UBII
-50 dBm -60 dBm -70 dBm							-30 dBn
-50 dBm						·	-00 abii
-60 dBm					-		-40 dBn
-60 dBm					$\sim$		
-70 dBm	<u> </u>					ı—	-50 dBn
-70 dBm							
							-60 dBn
							-70 dBn
CF 2.404 GHz 10001 pts Sp	Span 4.0 MHz	ts	10001 pt		z	04 GF	CF 2.4
Marker							
	unction Function Result	Function				Ref	
M1 1 2.4039912 GHz -4.88 dBm							
			-10.87 dBm	2.403425 GHz	1		M2 M3





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# 8.2.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2404	Ant1	-23	8	Pass
NVNT	BLE 2M	2440	Ant1	-21.84	8	Pass
NVNT	BLE 2M	2478	Ant1	-21.77	8	Pass

Spectrum	)						
Ref Level 20.0	OdBm Offse	t 2.38 dB 🕳	RBW 3 kHz				(*
	30 dB <b>SWT</b>	632 µs 👄	VBW 10 kHz	Mode Auto FF	т		
SGL Count 6000/ 1Pk Max	6000						
				M1[1]		-2	23.00 dBr
					1	2.40396	68190 GH
10 dBm							
D dBm							
J GBIII							
-10 dBm							
-20 dBm			MI				
		للابداريس مادرا أأرر	munnohun	monolulu	1. Mar. 1. 1. 1. 1.		
-30 dBm-	and the mark hand	and the second s		a contraction of the second	and the the the start of the		w
	U U						- the the the
-40 dBm							
-50 dBm							
-50 dBill							
-60 dBm							
-70 dBm							
CF 2.404 GHz			10001 p	+-		Span 1.7	205 MU-



Ref Level Att SGL Count	1 20.00 dBm 30 dB 100/100		2.39 dB 👄 R 632 µs 👄 V		Mode Auto F	FF T		
1Pk Max					M1[1]			-21.84 dBm
10 dBm						I	2.4	39968060 GHz
10 0.0								
D dBm								
-10 dBm								
				М1				
-20 dBm—			6.6	<b></b>	diament allowing and			
-30 dBm	malatere	Jongraham		Article for a set of	an a	-harden stationally	William Andrewing	and man and the second
		1.1						and the share
-40 dBm								
-50 dBm								
-60 dBm								
-70 dBm								
CF 2.44 GH				10001	ntc			n 1.9125 MHz
Spectrum Ref Level	20.00 dBm		2.42 dB 👄 R	BW 3 kHz	M 2478MHz .			
Spectrum Ref Level	20.00 dBm 30 dB		2.42 dB 👄 R	BW 3 kHz				
Spectrum Ref Level Att SGL Count	20.00 dBm 30 dB		2.42 dB 👄 R	BW 3 kHz	M 2478MHz	FFT		
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB		2.42 dB 👄 R	BW 3 kHz	M 2478MHz .	FFT	2.4	-21.77 dBm 77968090 GHz
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB		2.42 dB 👄 R	BW 3 kHz	M 2478MHz	FFT	2.4	(∇) -21.77 dBm
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB		2.42 dB 👄 R	BW 3 kHz	M 2478MHz	FFT	2.4	(∇) -21.77 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 30 dB		2.42 dB 👄 R	BW 3 kHz	M 2478MHz	FFT	2.4	(∇) -21.77 dBm
Spectrum Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB		2.42 dB 👄 R	BW 3 kHz BW 10 kHz	M 2478MHz	FFT	2.4	(∇) -21.77 dBm
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -10 dBm	20.00 dBm 30 dB 100/100	SWT	2.42 dB ● R 632 µs ● V	BW 3 kHz BW 10 kHz	M 2478MHz . Mode Auto P	FFT		-21.77 dBm 77968090 GHz
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB 100/100	SWT	2.42 dB ● R 632 µs ● V	BW 3 kHz BW 10 kHz	M 2478MHz . Mode Auto P	FFT		-21.77 dBm 77968090 GHz
Spectrum Ref Level SGL Count SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dBm 30 dB 100/100	SWT	2.42 dB ● R 632 µs ● V	BW 3 kHz BW 10 kHz	M 2478MHz . Mode Auto P	FFT		(∇) -21.77 dBm
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB 100/100	SWT	2.42 dB ● R 632 µs ● V	BW 3 kHz BW 10 kHz	M 2478MHz . Mode Auto P	FFT		-21.77 dBm 77968090 GHz
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm	20.00 dBm 30 dB 100/100	SWT	2.42 dB ● R 632 µs ● V	BW 3 kHz BW 10 kHz	M 2478MHz . Mode Auto P	FFT		-21.77 dBm 77968090 GHz
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 	20.00 dBm 30 dB 100/100	SWT	2.42 dB ● R 632 µs ● V	BW 3 kHz BW 10 kHz	M 2478MHz . Mode Auto P	FFT		-21.77 dBm 77968090 GHz
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 	20.00 dBm 30 dB 100/100	SWT	2.42 dB ● R 632 µs ● V	BW 3 kHz BW 10 kHz	M 2478MHz . Mode Auto P	FFT		-21.77 dBm 77968090 GHz
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm	20.00 dBm 30 dB 100/100	SWT	2.42 dB ● R 632 µs ● V	BW 3 kHz BW 10 kHz	M 2478MHz . Mode Auto P	FFT		-21.77 dBm 77968090 GHz
Spectrum Ref Level Att SGL Count ID dBm O	20.00 dBm 30 dB 100/100	SWT	2.42 dB ● R 632 µs ● V	BW 3 kHz BW 10 kHz	M 2478MHz . Mode Auto B M1[1]	FFT	- Int My helms Arey	-21.77 dBm 77968090 GHz
Spectrum Ref Level Att SGL Count ID dBm 0 dBm 	20.00 dBm 30 dB 100/100	SWT	2.42 dB ● R 632 µs ● V	BW 3 kHz BW 10 kHz	M 2478MHz . Mode Auto B M1[1]	FFT	- Int My helms Arey	-21.77 dBm 77968090 GHz

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# NTEK 北测<sup>®</sup>



# nd Ed

dition	Mode	Frequency (MI		Max Value (dBc)	Limit (dBc)	Vero
'NT	BLE 2M	2404	Ant1	-44.76	-20	Pas
'NT	BLE 2M	2478	Ant1	-46.88	-20	Pa
			Test Graphs			
		Band Ed	dge NVNT BLE 2M 24	iu4ivinz Ant'i Ref		
	Spectrum					
	Ref Level 2 Att		6 👄 RBW 100 kHz 5 👄 VBW 300 kHz 🛛 Mod	le Auto FFT		
	SGL Count 1					
	O IPK Max			M1[1]	-5.02 dBm	
	10 dBm				2.40399200 GHz	
	10 dbm					
	0 dBm		M1			
			mathe	$\gamma$		
	-10 dBm					
	-20 dBm					
			/			
	-30 dBm	/				
	-40 dBm	-				
	-50 dBm	rmt -			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	-60 dBm					
	oo dbiii					
	-70 dBm					
	-70 dBm					
	-70 dBm	z	1001 pts		Span 8.0 MHz	
		z	1001 pts	Deady (	Span 8.0 MHz	
			· · · · · · · · · · · · · · · · · · ·	MHz Ant1 Emission	Span 8.0 MHz	
	CF 2.404 GH		1001 pts	MHz Ant1 Emission		
	CF 2.404 GH Spectrum Ref Level 20	Band Edge	NVNT BLE 2M 2404		Span 8.0 MHz	
	CF 2.404 GH Spectrum Ref Level 20 Att	Band Edge D.00 dBm Offset 2.38 d 35 dB SWT 227.5 μ	NVNT BLE 2M 2404			
	CF 2.404 GH Spectrum Ref Level 20	Band Edge D.00 dBm Offset 2.38 d 35 dB SWT 227.5 μ	NVNT BLE 2M 2404	de Auto FFT		
	CF 2.404 GH Spectrum Ref Level 21 Att SGL Count 11 ● 1Pk Max	Band Edge D.00 dBm Offset 2.38 d 35 dB SWT 227.5 μ	NVNT BLE 2M 2404		-5.45 dBm	
	Spectrum Ref Level 20 Att SGL Count 10 • 1Pk Max 10 dBm	Band Edge D.00 dBm Offset 2.38 d 35 dB SWT 227.5 μ	NVNT BLE 2M 2404	de Auto FFT	-5.45 dBm 2.40445000 GHz -55.94 dBm	
	CF 2.404 GH Spectrum Ref Level 21 Att SGL Count 11 ● 1Pk Max	Band Edge D.00 dBm Offset 2.38 d 35 dB SWT 227.5 μ	NVNT BLE 2M 2404	de Auto FFT M1[1]	-5.45 dBm 2.40445000 GHz	
	Spectrum Ref Level 20 Att SGL Count 10 • 1Pk Max 10 dBm	Band Edge D.00 dBm Offset 2.38 d 35 dB SWT 227.5 μ	NVNT BLE 2M 2404	de Auto FFT M1[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm	
	CF 2.404 GH	Band Edge 	NVNT BLE 2M 2404	de Auto FFT M1[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm	
	CF 2.404 GH Spectrum Ref Level 21 Att SGL Count 11 10 dBm 0 dBm -10 dBm -20 dBm	Band Edge D.00 dBm Offset 2.38 d 35 dB SWT 227.5 μ	NVNT BLE 2M 2404	de Auto FFT M1[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm	
	CF 2.404 GH Spectrum Ref Level 21 Att SGL Count 11 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	Band Edge 	NVNT BLE 2M 2404	de Auto FFT M1[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm	
	CF 2.404 GH Spectrum Ref Level 20 Att SGL Count 10 ● 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Band Edge .00 dBm Offset 2.38 d 35 dB SWT 227.5 μ 00/100 1 -25.017 dBm	NVNT BLE 2M 2404 B RBW 100 kHz IS VBW 300 kHz Mo	de Auto FFTM2[1]M2[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm 2.4000000 GHz	
	CF 2.404 GH	Band Edge .00 dBm Offset 2.38 d 35 dB SWT 227.5 μ 00/100 1 -25.017 dBm	NVNT BLE 2M 2404 B RBW 100 kHz IS VBW 300 kHz Mo	de Auto FFT M1[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm 2.4000000 GHz	
	CF 2.404 GH	Band Edge .00 dBm Offset 2.38 d 35 dB SWT 227.5 μ 00/100 1 -25.017 dBm	NVNT BLE 2M 2404 B RBW 100 kHz IS VBW 300 kHz Mo	de Auto FFTM2[1]M2[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm 2.4000000 GHz	
	CF 2.404 GH	Band Edge .00 dBm Offset 2.38 d 35 dB SWT 227.5 μ 00/100 1 -25.017 dBm	NVNT BLE 2M 2404 B RBW 100 kHz IS VBW 300 kHz Mo	de Auto FFTM2[1]M2[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm 2.4000000 GHz	
	CF 2.404 GH	Band Edge D.00 dBm Offset 2.38 d 35 dB SwT 227.5 μ D0/100 1 -25.017 dBm 	NVNT BLE 2M 2404	de Auto FFTM2[1]M2[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm 2.40000000 GHz	
	CF 2.404 GH	Band Edge D.00 dBm Offset 2.38 d 35 dB SwT 227.5 μ D0/100 1 -25.017 dBm 	NVNT BLE 2M 2404 B RBW 100 kHz IS VBW 300 kHz Mo	de Auto FFTM2[1]M2[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm 2.4000000 GHz	
	CF 2.404 GH	Band Edge 0.00 dBm Offset 2.38 d 35 dB SWT 227.5 µ 00/100 1 -25.017 dBm 1 -25.017 dBm GHz Trc X-value	NVNT BLE 2M 2404      B      RBW 100 kHz      s     VBW 300 kHz      Ma      M4      M4      1001 pts      Y-value     F	de Auto FFTM2[1]M2[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm 2.4000000 GHz	
	CF 2.404 GH	Band Edge D.00 dBm Offset 2.38 d 35 dB SWT 227.5 μ D0/100 1 -25.017 dBm 1 -25.017 dBm GHz	NVNT BLE 2M 2404      NVNT BLE 2M 2404	de Auto FFT         M1[1]         M2[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm 2.4000000 GHz	
	CF 2.404 GH	Валd Edge 0.00 dBm Offset 2.38 d 35 dB SWT 227.5 µ 00/100 1 -25.017 dBm 1 -25.017 dBm GHz Trc X-value 1 2.40445 GH	M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	de Auto FFT         M1[1]         M2[1]	-5.45 dBm 2.40445000 GHz -55.94 dBm 2.4000000 GHz	



Ref Level 20.00 dBm Att 35 dB SGL Count 200/200			BW 100 kHz BW 300 kHz	Mode A	uto FFT			
1Pk Max								
				M	1[1]		2.478	-4.12 dBm 349550 GHz
10 dBm								
) dBm								
dani			1	× ×				
-10 dBm			~~~	~~ r				
00 40 -		~	۲ I		$\sim$			
-20 dBm		7						
-30 dBm		_/			$\rightarrow$			
	m	1			7	$\sim$		
-40 dBm								
-50 dBm	/							
mum							$\sim$	www.
-60 dBm								
-70 dBm								
25.0.430.011-			1001	pts			Spa	n 8.0 MHz
CF 2.478 GHz								
Spectrum		Edge NVI	NT BLE 2M	2478MH	) Pead z Ant1 Em	nission		
	Offset 2	.42 dB 👄 F	NT BLE 2M RBW 100 kHz VBW 300 kHz	2		nission		
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100	Offset 2	.42 dB 👄 F	<b>RBW</b> 100 kHz	2 2 Mode /	Auto FFT	iission		
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 01Pk Max	Offset 2	.42 dB 👄 F	<b>RBW</b> 100 kHz	2 2 Mode # 	Auto FFT 1[1]	nission	2.478	-3.89 dBm 345000 GHz
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 2	.42 dB 👄 F	<b>RBW</b> 100 kHz	2 2 Mode # 	Auto FFT	nission		-3.89 dBm 345000 GHz -54.87 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 0 dbm	Offset 2	.42 dB 👄 F	<b>RBW</b> 100 kHz	2 2 Mode # 	Auto FFT 1[1]	nission		-3.89 dBm 345000 GHz
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm	Offset 2	.42 dB 👄 F	<b>RBW</b> 100 kHz	2 2 Mode # 	Auto FFT 1[1]	iission		-3.89 dBm 345000 GHz -54.87 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 10 dBm -10 dBm -20 dBm	Offset 2. SWT 22	.42 dB 👄 F	<b>RBW</b> 100 kHz	2 2 Mode # 	Auto FFT 1[1]	iission		-3.89 dBm 345000 GHz -54.87 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm	Offset 2. SWT 22	.42 dB 👄 F	<b>RBW</b> 100 kHz	2 2 Mode # 	Auto FFT 1[1]	nission		-3.89 dBm 345000 GHz -54.87 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm D1 -24.122	Offset 2. SWT 22	.42 dB 👄 F	<b>RBW</b> 100 kHz	2 2 Mode # 	Auto FFT 1[1]	nission		-3.89 dBm 345000 GHz -54.87 dBm
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 	Offset 2. SWT 22 dBm	42 dB ● F 7.5 μs ● V	RBW 100 kHz /BW 300 kHz	2 Mode / 	Auto FFT 1[1] 2[1]		2.483	-3.89 dBm 345000 GHz 54.87 dBm 350000 GHz
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 91Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -50 dBm	Offset 2. SWT 22 dBm	42 dB ● F 7.5 μs ● V	<b>RBW</b> 100 kHz	2 Mode / 	Auto FFT 1[1] 2[1]			-3.89 dBm 345000 GHz 54.87 dBm 350000 GHz
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm -10/dBm -20 dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dBm -10/dB	Offset 2. SWT 22 dBm	42 dB ● F 7.5 μs ● V	RBW 100 kHz /BW 300 kHz	2 Mode / 	Auto FFT 1[1] 2[1]		2.483	-3.89 dBm 345000 GHz 54.87 dBm 350000 GHz
Spectrum           Ref Level 20.00 dBm           Att 35 dB           SGL Count 100/100           11Pk Max           10 dBm           10 dBm           20 dBm           20 dBm           20 dBm           20 dBm           20 dBm           20 dBm           40 dBm           40 dBm           60 dBm	Offset 2. SWT 22 dBm	42 dB ● F 7.5 μs ● V	RBW 100 kHz /BW 300 kHz	2 Mode / 	Auto FFT 1[1] 2[1]		2.483	-3.89 dBm 345000 GHz 54.87 dBm 350000 GHz
Spectrum           Ref Level 20.00 dBm           Att 35 dB           SGL Count 100/100           ) IPk Max           10 dBm           10 dBm           20 dBm           10 dBm           30 dBm           30 dBm           40 dBm           50 dBm           40 dBm           50 dBm           70 dBm	Offset 2. SWT 22 dBm	42 dB ● F 7.5 μs ● V	RBW 100 kHz /BW 300 kHz	2 Mode 4	Auto FFT 1[1] 2[1]		2.485	-3.89 dBm 345000 GHz 54.87 dBm 350000 GHz
Spectrum           Ref Level 20.00 dBm           Att 35 dB           SGL Count 100/100           p1Pk Max           10 dBm           10 dBm           20 dBm           21 dBm           30 dBm           40 dBm           50 dBm           40 dBm           70 dBm           70 dBm           31 dtat 2.474 GHz           Tarker	Offset 2. SwT 22	42 dB ● F 7.5 μs ● V	28 100 kHz 78 300	2 Mode A M M M M	۱[1] 2[1] المراجع	warenalite	2.48: 	-3.89 dBm 345000 GHz -54.87 dBm 550000 GHz
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 PIPk Max 10 dBm 10 dBm 20 dBm 20 dBm 40 dBm 40 dBm 50 dBm 50 dBm 50 dBm 70 dBm	Offset 2. SWT 22 dBm M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	42 dB ● F 7.5 μs ● Y	RBW         100 kHz           //BW         300 kHz             //BW         300 kHz             //Image: state sta	2 2 Mode / M M M M M M M M M M M M M M M M M M M	۱[1] 2[1] المراجع	warenalite	2.485	-3.89 dBm 345000 GHz -54.87 dBm 550000 GHz
Spectrum Ref Level 20.00 dBm Att 35 dB SGL Count 100/100 1Pk Max 10 dBm 10 dBm 20 dBm 20 dBm 40 dBm 50 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm 40 dBm 50 dBm 70 dBm	Offset 2. SWT 22 dBm M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	42 dB	28w         100 kHz           /BW         300 kHz           /BW         300 kHz           ////////////////////////////////////	2 Mode 4 M M M M M M M M	۱[1] 2[1] المراجع	warenalite	2.48: 	-3.89 dBm 345000 GHz -54.87 dBm 550000 GHz
Spectrum           Ref Level 20.00 dBm           Att 35 dB           SGL Count 100/100           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           -50 dBm           -50 dBm           -70 dBm </td <td>Offset 2. SWT 22 dBm M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4</td> <td>42 dB  F 7.5 μs  V V S GHz 5 GHz</td> <td>RBW 100 kHz /BW 300 kHz /BW 300 kHz //BW //BW //BW //BW //BW //BW //BW //B</td> <td>2 Mode A M M M M M M M M M M M M M</td> <td>۱[1] 2[1] المراجع</td> <td>warenalite</td> <td>2.48: </td> <td>-3.89 dBm 345000 GHz -54.87 dBm 550000 GHz</td>	Offset 2. SWT 22 dBm M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	42 dB  F 7.5 μs  V V S GHz 5 GHz	RBW 100 kHz /BW 300 kHz /BW 300 kHz //BW //BW //BW //BW //BW //BW //BW //B	2 Mode A M M M M M M M M M M M M M	۱[1] 2[1] المراجع	warenalite	2.48: 	-3.89 dBm 345000 GHz -54.87 dBm 550000 GHz

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# Certificate #4298.01

# 8.2.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 2M	2404	Ant1	-45.75	-20	Pass
NVNT	BLE 2M	2440	Ant1	-45.23	-20	Pass
NVNT	BLE 2M	2478	Ant1	-46.84	-20	Pass

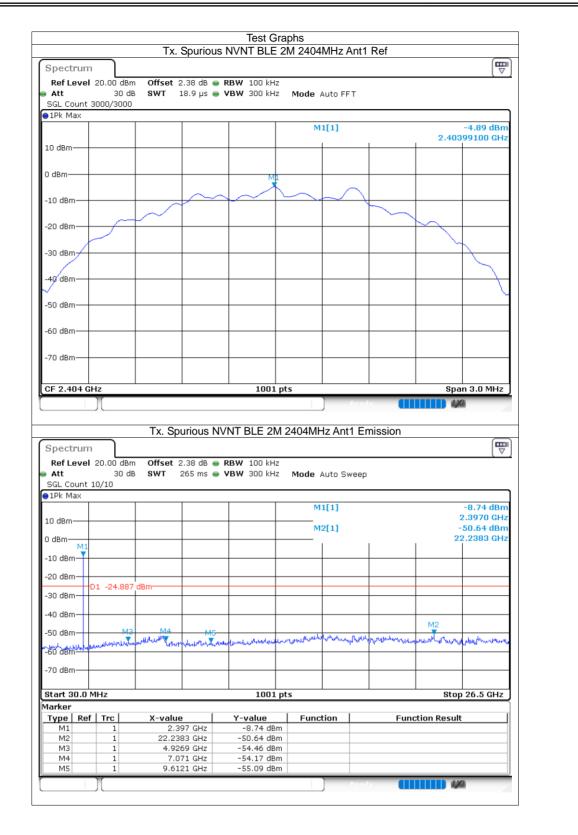


ilac-MR

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Certificate #4298.01

#### Report No.: S24031810108002





Ref Level 3 Att SGL Count 3	30 dE			RBW 100 kHz VBW 300 kHz	Mode Auto F	FT		[	$\nabla$
1Pk Max									
					M1[1]		_	-5.19 di	
.0 dBm							2	.44049150 G	Hz
) dBm									
						M1			
10 dBm			$\sim$	$\rightarrow \sim \uparrow$	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
						~			
20 dBm —	-						<u> </u>		
	_							$\sim$	
30 dBm									
10-10-0									
40 dBm —									$\Box$
50 dBm									
60 dBm									
70 dBm				+					
F 2.44 GHz		I		1001 p	ots			Span 3.0 MH	IZ
	)(					Ready	ann	4,40	
	_	Tx. Spu	urious N	IVNT BLE 2M	2440MHz Ar	nt1 Emissio	n		
Ref Level 3 Att	30 dE	Offset 2	.39 dB 👄	RBW 100 kHz VBW 300 kHz			n	(1	♥
Att SGL Count 1	30 dE	Offset 2	.39 dB 👄	• <b>RBW</b> 100 kHz			n		
Ref Level 3 Att SGL Count 1	30 dE	Offset 2	.39 dB 👄	• <b>RBW</b> 100 kHz	Mode Auto S		n	X	
Ref Level 3 Att SGL Count 1 1Pk Max	30 dE	Offset 2	.39 dB 👄	• <b>RBW</b> 100 kHz	Mode Auto 9		n	-5.63 di 2.4500 G	3m Hz
Ref Level 3 Att SGL Count 11 1Pk Max	30 dE	Offset 2	.39 dB 👄	• <b>RBW</b> 100 kHz	Mode Auto S		n	-5.63 di 2.4500 G -50.42 di	3m Hz 3m
Ref Level : Att SGL Count 11 1Pk Max	30 dE	Offset 2	.39 dB 👄	• <b>RBW</b> 100 kHz	Mode Auto 9		n	-5.63 di 2.4500 G	3m Hz 3m
Ref Level 3 Att SGL Count 11 1Pk Max 0 dBm	30 dE	Offset 2	.39 dB 👄	• <b>RBW</b> 100 kHz	Mode Auto 9		n	-5.63 di 2.4500 G -50.42 di	3m Hz 3m
Ref Level 3 Att SGL Count 11 1Pk Max 0 dBm 10 dBm 10 dBm 20 dBm	30 dE	Offset 2 SWT 2	.39 dB 👄	• <b>RBW</b> 100 kHz	Mode Auto 9		n	-5.63 di 2.4500 G -50.42 di	3m Hz 3m
Ref Level : Att SGL Count 11 1Pk Max 0 dBm 10 dBm 20 dBm D	30 dE	Offset 2 SWT 2	.39 dB 👄	• <b>RBW</b> 100 kHz	Mode Auto 9		n	-5.63 di 2.4500 G -50.42 di	3m Hz 3m
Ref Level :           Att           SGL Count 11           SGL Max           0 dBm           10 dBm           20 dBm           30 dBm	30 dE	Offset 2 SWT 2	.39 dB 👄	• <b>RBW</b> 100 kHz	Mode Auto 9		n	-5.63 di 2.4500 G -50.42 di	3m Hz 3m
Ref Level :           Att           SGL Count 11           1Pk Max           0 dBm           10 dBm           20 dBm           30 dBm	30 dE	Offset 2 SWT 2	.39 dB 👄	• <b>RBW</b> 100 kHz	Mode Auto 9		n	-5.63 di 2.4500 G -50.42 di	3m Hz 3m
Ref Level 3 Att SGL Count 11 1Pk Max 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm	30 dE 0/10 1 -25.186	dBm	.39 dB  .39 dB  .35 ms	<b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode Auto S M1[1] M2[1]	Sweep		-5.63 dl 2.4500 G -50.42 dl 15.9385 G	3m Hz 3m Hz
Ref Level :           Att           SGL Count 11           1Pk Max           0 dBm           10 dBm           20 dBm           20 dBm           30 dBm           40 dBm           50 dBm	30 dE 0/10 1 -25.186	Offset 2 SWT 2	.39 dB 👄	<b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode Auto S 	Sweep		-5.63 dl 2.4500 G -50.42 dl 15.9385 G	3m Hz 3m Hz
Ref Level :           Att           SGL Count 11           1Pk Max           0 dBm           10 dBm           20 dBm           20 dBm           30 dBm           40 dBm           50 dBm           50 dBm	30 dE 0/10 1 -25.186	dBm	.39 dB  .39 dB  .35 ms	<b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode Auto S M1[1] M2[1]	Sweep		-5.63 dl 2.4500 G -50.42 dl 15.9385 G	3m Hz 3m Hz
Ref Level :           Att           SGL Count 11           1Pk Max           0 dBm           10 dBm           20 dBm           20 dBm           30 dBm           40 dBm           50 dBm           50 dBm	30 dE 0/10 1 -25.186	dBm	.39 dB  .39 dB  .35 ms	<b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode Auto S M1[1] M2[1]	Sweep		-5.63 dl 2.4500 G -50.42 dl 15.9385 G	3m Hz 3m Hz
Ref Level         Att           SGL Count         11           1Pk Max         0           0         dBm           10         dBm           20         dBm           30         dBm           40         dBm           50         dBm           70         dBm	30 de 0/10 1 -25.186	dBm	.39 dB  .39 dB  .35 ms	<b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode Auto S	Sweep		-5.63 dl 2.4500 G -50.42 dl 15.9385 G	3m Hz Hz
Ref Level :       Att       SGL Count 11       1Pk Max       0 dBm       0 dBm       10 dBm    1	30 de 0/10 1 -25.186 <u>M3</u> 	dBm	.39 dB 265 ms	RBW 100 kHz     VBW 300 kHz	Mode Auto S	Sweep	Verning had Midel	-5.63 dl 2.4500 G -50.42 dl 15.9385 G	3m Hz Hz
Ref Level : Att SGL Count 11 1Pk Max 0 dBm 10 dBm 20 dBm 40 dBm 50 dBm 50 dBm 70 dBm 70 dBm 71 dBm 72 dBm 70 dBm	30 de 0/10 1 -25.186 <u>M3</u> 	dBm	.39 dB 65 ms	RBW         100 kHz           VBW         300 kHz	Mode Auto S M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[	Sweep		-5.63 dl 2.4500 G -50.42 dl 15.9385 G	3m Hz Hz
Ref Level :           Att           SGL Count 11           1Pk Max           0 dBm           10 dBm           20 dBm           20 dBm           30 dBm           40 dBm	30 de 0/10 1 -25.186 <u>M3</u> 	dBm X-value 2.4	.39 dB 265 ms	RBW 100 kHz     VBW 300 kHz	Mode Auto S M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[	Sweep	Verning had Midel	-5.63 dl 2.4500 G -50.42 dl 15.9385 G	3m Hz Hz
Ref Level         Att           SGL Count 11         SGL Count 11           1Pk Max         0           0 dBm         0           10 dBm         0           20 dBm         0           30 dBm         0           40 dBm         0           50 dBm         0           60 dBm         0           70 dBm         0           60 dBm         0           60 dBm         0           70 dBm         0           61 dBm         0           70 dBm         0           70 dBm         0           70 dBm         0           8         0           70 dBm         0           70 dBm <t< td=""><td>30 de 0/10 1 -25.186 Hz Hz Trc 1 1 1 1</td><td>Contract 2 SWT 2 Contract 2 Contr</td><td>.39 dB 265 ms 44 44 44 44 45 GHz 55 GHz 51 GHz 11 GHz</td><td><b>RBW</b>         100 kHz           <b>VBW</b>         300 kHz</td><td>Mode Auto S M1[1] M2[1] M2[1] M2[1] M2[1] M2 M2 M2 M2 M2 M2 M2 M2 M2 M2</td><td>Sweep</td><td>Verning had Midel</td><td>-5.63 dl 2.4500 G -50.42 dl 15.9385 G</td><td>3m Hz Hz</td></t<>	30 de 0/10 1 -25.186 Hz Hz Trc 1 1 1 1	Contract 2 SWT 2 Contract 2 Contr	.39 dB 265 ms 44 44 44 44 45 GHz 55 GHz 51 GHz 11 GHz	<b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode Auto S M1[1] M2[1] M2[1] M2[1] M2[1] M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	Sweep	Verning had Midel	-5.63 dl 2.4500 G -50.42 dl 15.9385 G	3m Hz Hz
Ref Level         Att           SGL Count         11           1Pk Max         0           0         dBm           10         dBm           20         dBm           20         dBm           30         dBm           40         dBm           70         dBm           70         dBm           70         dBm           70         dBm           70         dBm           71         dBm           72         dBm           74         dBm           75         dBm           76         dBm           77         dBm           78         dBm           79         Ref           M1         M2	30 de 0/10 1 -25.186 M3 	Contract 2 SWT 2 Contract 2 Contr	.39 dB 265 ms 265	<b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode Auto S M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1]	Sweep	Verning had Midel	-5.63 dl 2.4500 G -50.42 dl 15.9385 G	3m Hz Hz
Ref Level         Second State           SGL Count 11         SGL Count 11           IPK Max         0           0         dBm           10         dBm           11         max           12 <td>30 de 0/10 1 -25.186 Hz Hz Trc 1 1 1 1</td> <td>Contract 2 SWT 2 Contract 2 Contr</td> <td>.39 dB 265 ms 44 44 44 44 45 GHz 55 GHz 51 GHz 11 GHz</td> <td><b>RBW</b>         100 kHz           <b>VBW</b>         300 kHz</td> <td>Mode Auto S M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1]</td> <td>Sweep</td> <td>Verning had Midel</td> <td>-5.63 dl 2.4500 G -50.42 dl 15.9385 G</td> <td>3m Hz Hz</td>	30 de 0/10 1 -25.186 Hz Hz Trc 1 1 1 1	Contract 2 SWT 2 Contract 2 Contr	.39 dB 265 ms 44 44 44 44 45 GHz 55 GHz 51 GHz 11 GHz	<b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode Auto S M1[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1] M2[1]	Sweep	Verning had Midel	-5.63 dl 2.4500 G -50.42 dl 15.9385 G	3m Hz Hz

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●1Pk Max	300/300									
IFK Max					M1[	1]			-3.53 dBm	
10 dBm								2.477	99100 GHz	
0 dBm										
-10 dBm			<u> </u>			~ \				
-20 dBm	$\sim$						~ \	$\sim$		
-30 dBm									$\leq$	
-40 dBm-									$\rightarrow$	
-50 dBm										
50 0.011										
-60 dBm										
-70 dBm										
CF 2.478 G				1001 p	ots			Spa	n 3.0 MHz	
Spectrum Ref Level	20.00 dBm 30 dE	n Offset 2	42 dB 👄 F	NT BLE 2M	2478MHz		nission			_
Spectrum Ref Level	20.00 dBm 30 dE	n Offset 2	42 dB 👄 F	NT BLE 2M	2478MHz		nission			_
Spectrum Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dE	n Offset 2	42 dB 👄 F	NT BLE 2M	2478MHz	to Sweep	nission			_
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm	20.00 dBm 30 dE	n Offset 2	42 dB 👄 F	NT BLE 2M	2478MHz Mode Au	to Sweep 1]	nission	-	-6.82 dBm 2.4760 GHz 50.38 dBm	_
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm	20.00 dBm 30 dE	n Offset 2	42 dB 👄 F	NT BLE 2M	2478MHz Mode Au	to Sweep 1]	nission	-	-6.82 dBm 2.4760 GHz	
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dE	n Offset 2	42 dB 👄 F	NT BLE 2M	2478MHz Mode Au	to Sweep 1]	nission	-	-6.82 dBm 2.4760 GHz 50.38 dBm	
Spectrum Ref Level SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dE	n Offset 2. 3 SWT 20	42 dB 👄 F	NT BLE 2M	2478MHz Mode Au	to Sweep 1]	nission	-	-6.82 dBm 2.4760 GHz 50.38 dBm	-
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBn 30 dE 10/10	n Offset 2. 3 SWT 20	42 dB 👄 F	NT BLE 2M	2478MHz Mode Au	to Sweep 1]	nission	-	-6.82 dBm 2.4760 GHz 50.38 dBm	-
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	20.00 dBn 30 dE 10/10	dBm	42 dB 👄 F	NT BLE 2M	2478MHz Mode Au M1[ 	to Sweep 1] 1]		1	-6.82 dBm 2.4760 GHz 50.38 dBm 6.2826 GHz	
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBn 30 dE 10/10	dBm	42 dB 👄 F	NT BLE 2M	2478MHz Mode Au M1[ 	to Sweep 1] 1]		1	-6.82 dBm 2.4760 GHz 50.38 dBm	
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBn 30 dE 10/10	dBm	42 dB 👄 F	NT BLE 2M	2478MHz Mode Au M1[ 	to Sweep 1] 1]		1	-6.82 dBm 2.4760 GHz 50.38 dBm 6.2826 GHz	
Spectrum Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm	20.00 dBn 30 dE 10/10	dBm	42 dB 👄 F	NT BLE 2M	2478MHz Mode Au M1[ 	to Sweep 1] 1]		1 gungang Augus	-6.82 dBm 2.4760 GHz 50.38 dBm 6.2826 GHz	
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Marker	20.00 dBm 30 dE 10/10 D1 -23.534	dBm	42 dB 👄 F	NT BLE 2M	2478MHz Mode Au M1[ 	to Sweep 1] 1] 2 2 4 4 4 4 4 4 4 4 4 4 4 7 4 7 4 7 4 7	مرین ماریک کرد مرین ماریک کردی کرد مرین ماریک کردی کرد	ی پرلیم ا <sup>مری</sup> م را مریک می Stop	-6.82 dBm 2.4760 GHz 50.38 dBm 6.2826 GHz	
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70 dBm	20.00 dBn 30 dE 10/10 D1 -23.534	dBm dBm x-value 2,476	42 dB • • • • • • • • • • • • • • • • • •	NT BLE 2M RBW 100 kHz /BW 300 kHz /BW 100	2478MHz Mode Au M1[ 	to Sweep 1] 1] 2 2 4 4 4 4 4 4 4 4 4 4 4 7 4 7 4 7 4 7	مرین ماریک کرد مرین ماریک کردی کرد مرین ماریک کردی کرد	1 gungang Augus	-6.82 dBm 2.4760 GHz 50.38 dBm 6.2826 GHz	
Spectrum           Ref Level           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -70 dBm           -70 dBm           Start 30.0           Marker           Type	D1 -23.534	dBm	42 dB	NT BLE 2M	2478MHz Mode Au M1[ 	to Sweep 1] 1] 2 2 4 4 4 4 4 4 4 4 4 4 4 7 4 7 4 7 4 7	مرین ماریک کرد مرین ماریک کردی کرد مرین ماریک کردی کرد	ی پرلیم ا <sup>مری</sup> م را مریک می Stop	-6.82 dBm 2.4760 GHz 50.38 dBm 6.2826 GHz	
Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm -70 d	D1 -23.534	dBm X-value 2.477 16.2820	42 dB	NT BLE 2M RBW 100 kHz /BW 300 kHz /BW 100	2478MHz Mode Au M1[ M2[ 	to Sweep 1] 1] 2 2 4 4 4 4 4 4 4 4 4 4 4 7 4 7 4 7 4 7	مرین ماریک کرد مرین ماریک کردی کرد مرین ماریک کردی کرد	ی پرلیم ا <sup>مری</sup> م را مریک می Stop	-6.82 dBm 2.4760 GHz 50.38 dBm 6.2826 GHz	
Spectrum Ref Level Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -70	D1 -23.534	dBm dBm x-value 2.47( 16.282( 4.926( 7.415)	42 dB	NT BLE 2M 8BW 100 kHz 7BW 300 kHz 100 kHz 10	2478MHz Mode Au M1[ M2[ 	to Sweep 1] 1] 2 2 4 4 4 4 4 4 4 4 4 4 4 7 4 7 4 7 4 7	յչ <sub>ուս</sub> իսյյիսույյի Func	ی پرلیم ا <sup>مری</sup> م را مریک می Stop	-6.82 dBm 2.4760 GHz 5.0.38 dBm 6.2826 GHz	

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