



RADIO TEST REPORT FCC ID: 2AZYA-A62LX

Product: Mobile Phone Trade Mark: ACER Model No.: A62LX Family Model: A62 ULTRA, A62 LITE Report No.: S23121106103002 Issue Date: Jan 04 , 2024

Prepared for

Senwa Global International, S.A. de C.V.

Carretera Mexico-Toluca No. 5324 PB Colonia El Yaqui Del. Cuajimalpa de Morelos, C.P. 05320 Ciudad de Mexico, Mexico

Prepared by

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1 TEST RESULT CERTIFICATION

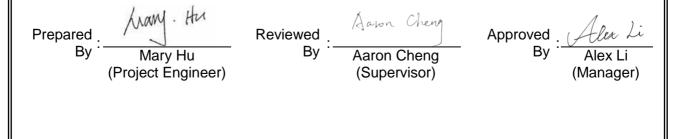
Applicant's name:	Senwa Global International, S.A. de C.V.
Address:	Carretera Mexico-Toluca No. 5324 PB Colonia El Yaqui Del. Cuajimalpa de Morelos, C.P. 05320 Ciudad de Mexico, Mexico
Manufacturer's Name::	Senwa Mobile China Ltd
Address :	A611, Languang technology building, No. 27, Gaoxin North 6th Road, songpingshan community, Xili street, Nanshan District, Shenzhen, Guangdong Province
Product description	
Product name:	Mobile Phone
Trade Mark:	ACER
Model name:	A62LX
Family Model:	A62 ULTRA, A62 LITE
Test Sample Number::	S231211061001
Date (s) of performance of tests	Dec. 11, 2023 ~ Jan 04 , 2024

Measurement Procedure Used:

APPLICABLE STANDARDS			
APPLICABLE STANDARD/ TEST PROCEDURE TEST RESULT			
FCC 47 CFR Part 2, Subpart J			
FCC 47 CFR Part 15, Subpart C	Complied		
ANSI C63.10-2013	Complied		
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. This report shall not be reproduced except in full, without the written approval of Shenzhen NTEK Testing Technology Co., Ltd., this desument may be altered or revised by Shenzhen NTEK Testing.

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SUMMARY OF TEST RESULTS 2

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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, PSD	±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
10	Occupied bandwidth	±4.7%

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4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification				
Equipment	Mobile Phone			
Trade Mark	ACER			
FCC ID	2AZYA-A62LX			
Model No.	A62LX			
Family Model	A62 ULTRA, A62 LITE			
Model Difference	All models have the same circuit and RF module, except for different model names and memory space (A62LX has the maximum memory.)			
Operating Frequency	2402MHz~2480MHz			
Modulation	GFSK			
Number of Channels	40 Channels			
Antenna Type	FPC Antenna			
Antenna Gain	-1.18dBi			
Adapter	Model: SOSPIRO Input: 100-240Vca, 50-60Hz 0.5A Output: 5.0Vcc 3A, 9.0Vcc 2A 18W			
Battery	Rated Capacity/ Capacidad Nominal: DC 3.87V, 4900mAh, 18.96Wh Typical Capacity/ Capacidad Typical: DC 3.87V, 5000mAh, 19.35Wh			
Power supply	DC 3.87V from battery or DC 5V from Adapter			
HW Version	ums5121h10_V1.0			
SW Version	Acer_A62LX_Ver01 Acer_A62 ULTRA_Ver01 Acer_A62 LITE _Ver01			

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

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





Revision History

Revision mistory					
Report No.	Version	Description	Issued Date		
S23121106103002	Rev.01	Initial issue of report	Jan 04 , 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.

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:

Channel	Frequency(MHz)
0	2402
1	2404
19	2440
20	2442
38	2478
39	2480

Note: fc=2402MHz+k×2MHz 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	
Radiated Test	Mode 2: GFSK Tx Ch00_2402MHz_1Mbps/2Mbps	
Cases	Mode 3: GFSK Tx Ch19_2440MHz_1Mbps/2Mbps	
	Mode 4: GFSK Tx Ch39_2480MHz_1Mbps/2Mbps	
Conducted Test	Mode 2: GFSK Tx Ch00_2402MHz_1Mbps/2Mbps	
Conducted Test	Mode 3: GFSK Tx Ch19_2440MHz_1Mbps/2Mbps	
Mode 4: GFSK Tx Ch39_2480MHz_1Mbps/2Mbps		

Note:

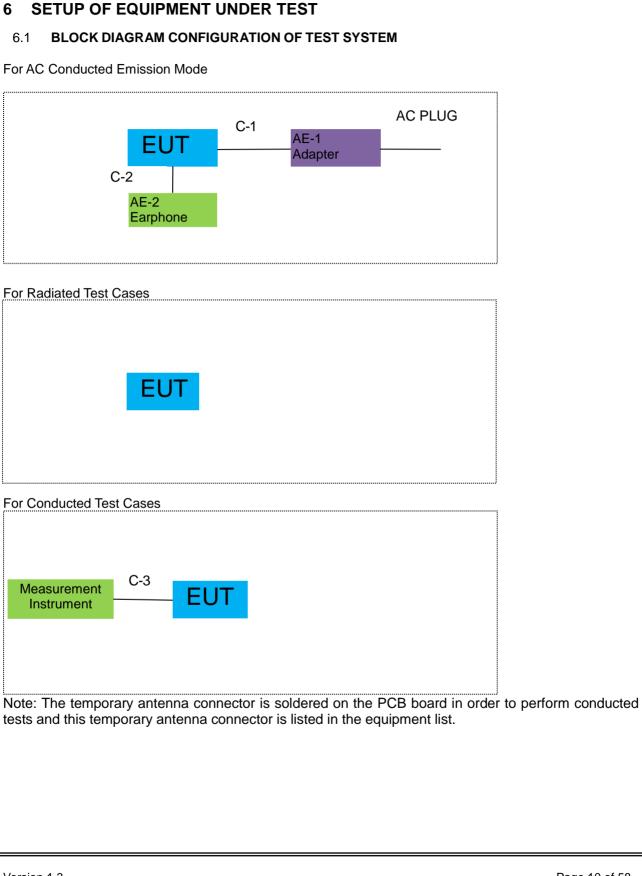
1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode(duty cycle =100% during the test)

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

3. For radiated test cases, the worst mode data rate 1Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

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





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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.

Item	Equipment	Model/Type No.	Series No.	Note
EUT	Mobile Phone	A62LX	N/A	N/A
AE-1	Adapter	SOSPIRO	N/A	Peripherals
AE-2	Earphone	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	USB Cable	NO	NO	1.0m
C-2	Earphone Cable	NO	NO	1.2m
C-3	RF Cable	YES	NO	0.1m

Notes:

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

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6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

							- ··· ·
	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Agilent	E4440A	MY41000130	2023.03.27	2024.03.26	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	2023.03.27	2024.04.26	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2023.03.16	2024.03.16	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	2024.01.11	1 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	2024.11.02	1 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	2023.03.27	2024.03.26	1 year
2	LISN	R&S	ENV216	101313	2023.03.27	2024.03.26	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2023.03.27	2024.03.26	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

Frequency (MHz)	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

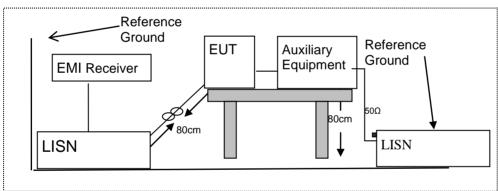
2. The lower limit shall apply at the transition frequencies

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

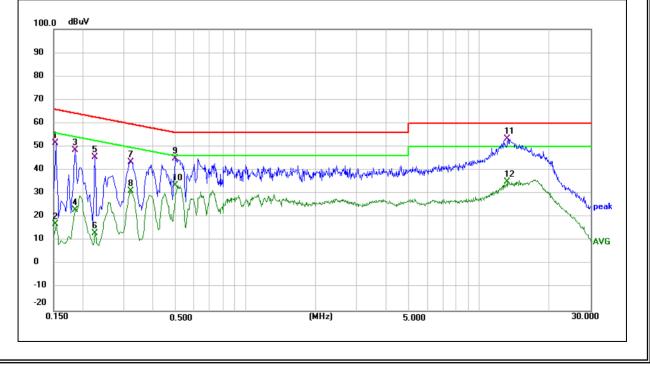
EUT:	Mobile Phone	Model Name :	A62LX
Temperature:	22 ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	L
	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demeril
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1539	41.76	9.93	51.69	65.79	-14.10	QP
0.1539	7.25	9.93	17.18	55.79	-38.61	AVG
0.1860	38.43	10.01	48.44	64.21	-15.77	QP
0.1860	13.08	10.01	23.09	54.21	-31.12	AVG
0.2260	35.34	10.10	45.44	62.60	-17.16	QP
0.2260	2.91	10.10	13.01	52.60	-39.59	AVG
0.3220	33.21	10.28	43.49	59.66	-16.17	QP
0.3220	20.85	10.28	31.13	49.66	-18.53	AVG
0.5020	34.24	10.65	44.89	56.00	-11.11	QP
0.5020	22.87	10.65	33.52	46.00	-12.48	AVG
13.2660	43.62	9.70	53.32	60.00	-6.68	QP
13.2660	25.31	9.70	35.01	50.00	-14.99	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.







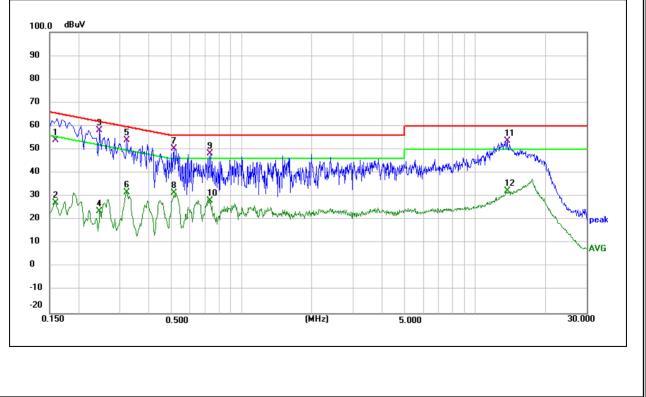
EUT:	Mobile Phone	Model Name :	A62LX
Temperature:	22 ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demerik
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1590	43.95	9.95	53.90	65.52	-11.62	QP
0.1590	17.22	9.95	27.17	55.52	-28.35	AVG
0.2460	47.91	10.14	58.05	61.89	-3.84	QP
0.2460	13.56	10.14	23.70	51.89	-28.19	AVG
0.3220	43.53	10.28	53.81	59.66	-5.85	QP
0.3220	21.48	10.28	31.76	49.66	-17.90	AVG
0.5140	39.60	10.67	50.27	56.00	-5.73	QP
0.5140	20.72	10.67	31.39	46.00	-14.61	AVG
0.7300	37.09	11.11	48.20	56.00	-7.80	QP
0.7300	17.02	11.11	28.13	46.00	-17.87	AVG
13.6980	43.97	9.70	53.67	60.00	-6.33	QP
13.6980	22.50	9.70	32.20	50.00	-17.80	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.







7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

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

7.2.2 Conformance Limit

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

According to 1 00 1 art 10.200; restricted bands			
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)

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

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

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

3. For Frequency 9kHz~30MHz: Distance extrapolation factor =40log(Specific distance/ test distance)(dB); Limit line=Specific limits(dBuV) + distance extrapolation factor.

For Frequency above 30MHz: Distance extrapolation factor =20log(Specific distance/ test distance)(dB); Limit line=Specific limits(dBuV) + distance extrapolation factor.

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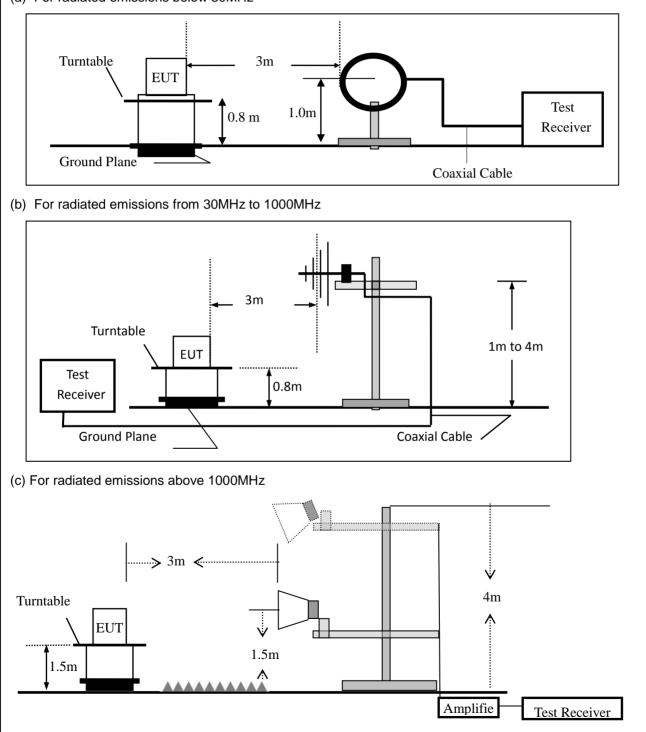


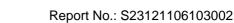
7.2.3 Measuring Instruments

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

7.2.4 Test Configuration

(a) For radiated emissions below 30MHz





7.2.5 Test Procedure

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

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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:

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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:	Mobile Phone	Model No.:	A62LX
Temperature:	20 °C	Relative Humidity:	48%
Lest 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.



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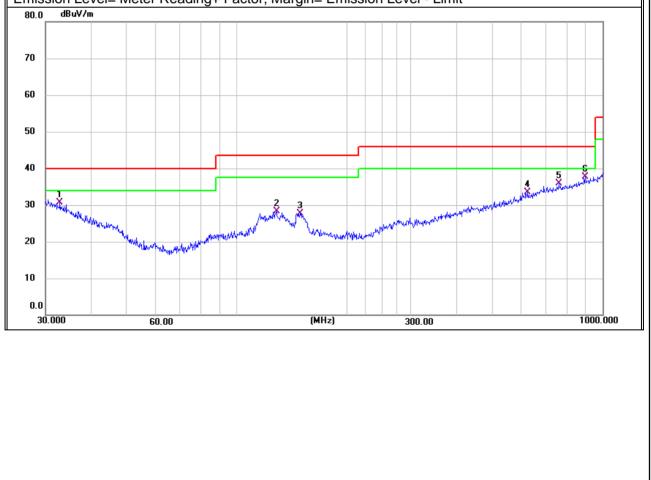
Spurious Emission below 1GHz (30MHz to 1GHz) All the modulation modes have been tested, and the worst result was report as below:

EUT:	Mobile Phone	Model Name :	A62LX
Temperature:	25 ℃	Relative Humidity:	55%
Pressure:	1010hPa	Test Mode:	Mode 2
Test Voltage :	DC 3.87V		

Polar	Frequency	Meter Reading	Factor	Factor Emission Level		Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	32.8637	5.83	24.83	30.66	40.00	-9.34	QP
V	128.5630	9.62	18.72	28.34	43.50	-15.16	QP
V	148.9625	9.37	18.41	27.78	43.50	-15.72	QP
V	625.0780	6.77	26.67	33.44	46.00	-12.56	QP
V	760.7035	7.02	28.88	35.90	46.00	-10.10	QP
V	896.9965	7.19	30.58	37.77	46.00	-8.23	QP

Remark:









Polar	Freque	ency		eter ding	Factor		nissi Leve		Lir	nits	Mar	gin	Rei	mark
(H/V)	(MH	z)	(dE	BuV)	(dB)	(dl	(dBuV/m)		(dBı	ıV/m)	(dl	B)		inan
Н	33.68	302	4.	98	24.37	2	29.35	5	40	.00	-10	.65	C	ΩP
Н	87.72	248	7.	39	16.34	2	23.73	3	40	.00	-16	.27	C	λЬ
Н	377.2	591	6.	31	22.64		28.95	5	46	6.00	-17	.05	C	λЬ
Н	605.6	592	6.	19	26.40		32.59	9	46	.00	-13	.41	C	ΩP
Н	807.4	290	6.	68	29.49		36.17	7	46	6.00	-9.	83	C	λЬ
H Remark	909.6	666	7.	18	30.72		37.90)	46	.00	-8.	10	C	ΩP
80.0 0	lBu¥/m]
70														
60														
50														
40							-				A	- Instruction	5 Xm 1	^
30 444	AND			2	Whether Marine Marine	AA		WHW YEAR	water and the second	3 Annon ann ann ann ann ann ann ann ann ann	And the second second			
20		Sandon Art	multice writes	N-MANA WAY		- waren af the	when the second	<i>p</i> .						
10														-
0.0 30.000)	60.	00			(MHz)			300.00				1000).000

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EUT:		Mobile Ph	ione		A62	2LX						
Temperatu	ure:	20 °C			Rela	ative Humid	dity:	48%	6			
Test Mode	ə:	Mode2/Mo	ode3/Mode	э4	Tes	st By:		Mai	ry Hu			
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	,	(dB)			
Low Channel (2402 MHz)(GFSK)Above 1G												
4802.97	64.15	5.21	35.59	44.3	0	60.65	74.00	0	-13.35	Pk	Vertical	
4802.97	43.90	5.21	35.59	44.3	,0	40.40	54.00	0	-13.60	AV	Vertical	
7206.32	64.09	6.48	36.27	44.6		62.24	74.00	0	-11.76	Pk	Vertical	
7206.32	43.74	6.48	36.27	44.6	0	41.89	54.00	0	-12.11	AV	Vertical	
4804.93	63.03	5.21	35.55	44.3	0	59.49	74.00	0	-14.51	Pk	Horizontal	
4804.93	43.83	5.21	35.55	44.3	0	40.29	54.00	0	-13.71	AV	Horizontal	
7206.56	60.22	6.48	36.27	44.5	2	58.45	74.00	0	-15.55	Pk	Horizontal	
7206.56	43.17	6.48	36.27	44.5	2	41.40	54.00	0	-12.60	AV	Horizontal	
Mid Channel (2440 MHz)(GFSK)Above 1G												
4880.17	63.79	5.21	35.66	44.2	-	60.46	74.00	-	-13.54	Pk	Vertical	
4880.17	43.89	5.21	35.66	44.2	-	40.56	54.00	-	-13.44	AV	Vertical	
7320.08	62.57	7.10	36.50	44.4		61.74	74.00		-12.26	Pk	Vertical	
7320.08	43.23	7.10	36.50	44.4	-	42.40	54.00	-	-11.60	AV	Vertical	
4880.45	60.67	5.21	35.66	44.2		57.34	74.00		-16.66	Pk	Horizontal	
4880.45	43.73	5.21	35.66	44.2		40.40	54.00	-	-13.60	AV	Horizontal	
7320.64	64.35	7.10	36.50	44.4	-	63.52	74.00	-	-10.48	Pk	Horizontal	
7320.64	43.08	7.10	36.50	44.4		42.25	54.00		-11.75	AV	Horizontal	
			<u> </u>	1	· ·	80 MHz)(GFSH	,				T	
4960.72	62.28	5.21	35.52	44.2		58.80	74.00		-15.20	Pk	Vertical	
4960.72	43.64	5.21	35.52	44.2		40.16	54.00	-	-13.84	AV	Vertical	
7440.05	63.14	7.10	36.53	44.6		62.17	74.00		-11.83	Pk	Vertical	
7440.05	43.18	7.10	36.53	44.6		42.21	54.00	-	-11.79	AV	Vertical	
4960.30	61.24	5.21	35.52	44.2		57.76	74.00	-	-16.24	Pk	Horizonta	
4960.30	43.87	5.21	35.52	44.2		40.39	54.00		-13.61	AV	Horizonta	
7440.17	61.52	7.10	36.53	44.6	,0	60.55	74.00	0	-13.45	Pk	Horizonta	
7440.17	43.65	7.10	36.53	44.6	0	42.68	54.00	0	-11.32	AV	Horizonta	

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 (1Mbps for GFSK modulation) test result is the worst



2390.00

2390.00

2390.00

2390.00

2483.50

2483.50

2483.50

2483.50

62.53

43.23

62.58

43.54

61.21

43.63

60.36

43.82



Pk

AV

Pk

AV

Pk

AV

Pk

AV

Vertical

Vertical

Horizontal

Horizontal

Vertical

Vertical

Horizontal

Horizontal

-24.92

-24.22

-24.87

-23.91

-25.51

-23.09

-26.36

-22.90

Spurious I	Emission i	ission in Restricted Band 2310-2390MHz and 2483.5-2500MHz										
EUT:	Mobile I	Phone		Ν	Node	No.:		A62LX				
Temperature:	20 ℃			F	Relati	ve Humidity	y:	48%				
Test Mode:	Mode2/	Mode4		Т	Fest E	By:		Mary	Hu			
									-			
Frequency	Meter Reading	Cable Loss	Antenna Factor		amp ctor	Emission Level	Lir	nits	Margin	Detector	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(d	B)	(dBµV/m)	/m) (dBµ\		(dB)	Туре		
					1Mbp	s(GFSK)						
2310.00	64.99	2.97	27.80	43	.80	51.96	7	74	-22.04	Pk	Horizontal	
2310.00	39.46	2.97	27.80	43	.80	26.43	Ę	54	-27.57	AV	Horizontal	
2310.00	60.84	2.97	27.80	43	.80	47.81	7	74	-26.19	Pk	Vertical	
2310.00	43.90	2.97	27.80	43	.80	30.87	Ę	54	-23.13	AV	Vertical	

49.08

29.78

49.13

30.09

48.49

30.91

47.64

31.10

74

54

74

54

74

54

74

54

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

3.14

3.14

3.14

3.14

3.58

3.58

3.58

3.58

27.21

27.21

27.21

27.21

27.70

27.70

27.70

27.70

43.80

43.80

43.80

43.80

44.00

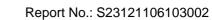
44.00

44.00

44.00

(2)Only the worst data is recorded in the report, the data rates (1Mbps for GFSK modulation) test result is the worst





Spurious	Spurious Emission in Restricted Band 3260MHz-18000MHz											
EUT:		Mobile	e Phone			Model	No.:		A62LX			
Temperature	: :	20 ℃				Relativ	e Humidity	:	48%			
Test Mode:		Mode	2/ Mode4	ļ		Test B	y:		Mary H	Hu		
								1				
Frequency		ading evel	Cable Loss	Antenna Factor		reamp actor	Emission Level	Li	mits	Margin	Detector	Comment
(MHz)	(dE	3μV)	(dB)	dB/m		(dB)	(dBµV/m)	(dB	μV/m)	(dB)	Туре	
3260	62	2.90	4.04	29.57	2	14.70	51.81		74	-22.19	Pk	Vertical
3260	43	3.83	4.04	29.57	Z	14.70	32.74		54	-21.26	AV	Vertical
3260	62	2.90	4.04	29.57	Z	14.70	51.81		74	-22.19	Pk	Horizontal
3260	43	3.49	4.04	29.57	2	14.70	32.40		54	-21.60	AV	Horizontal
3332	62	2.53	4.26	29.87	2	14.40	52.26		74	-21.74	Pk	Vertical
3332	43	3.81	4.26	29.87	Z	14.40	33.54		54	-20.46	AV	Vertical
3332	60).70	4.26	29.87	2	14.40	50.43		74	-23.57	Pk	Horizontal
3332	43	3.68	4.26	29.87	Z	14.40	33.41		54	-20.59	AV	Horizontal
17797	45	5.29	10.99	43.95	Z	43.50	56.73		74	-17.27	Pk	Vertical
17797	34	1.37	10.99	43.95	4	13.50	45.81		54	-8.19	AV	Vertical
17788	48	3.83	11.81	43.69	4	14.60	59.73		74	-14.27	Pk	Horizontal
17788	34	1.22	11.81	43.69	2	14.60	45.12		54	-8.88	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 (1Mbps 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.

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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:	Mobile Phone	Model No.:	A62LX
Temperature:	20 ℃	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 \geq OBW if possible; otherwise, set RBW to the largest available value. Set VBW \geq 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 \leq 16.7 microseconds.)

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_{total} and T_{on} Calculate Duty Cycle = T_{on} / T_{total}





7.4.6 Test Results

EUT:	Mobile Phone	Model No.:	A62LX
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	N/A	Test By:	N/A

Note: Not Applicable



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.

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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:	Mobile Phone	Model No.:	A62LX
Temperature:	20 ℃	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:	Mobile Phone	Model No.:	A62LX
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Mary Hu



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:	Mobile Phone	Model No.:	A62LX
Temperature:	20 ℃	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.

Certificate #4298.01

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: -1.18dBi). It comply with the standard requirement.



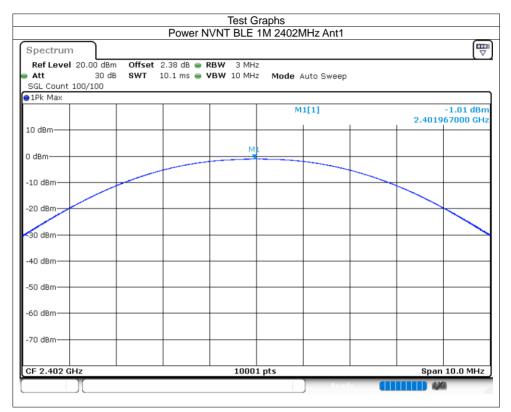


8 TEST RESULTS

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	-1.01	30	Pass
NVNT	BLE 1M	2440	Ant1	-1.72	30	Pass
NVNT	BLE 1M	2480	Ant1	-1.61	30	Pass





Report No.: S23121106103002

Att SGL Count 10	0.00 dBm 30 dB 0/100		RBW 3 MH: VBW 10 MH:		uto Sweep		
●1Pk Max	-			N/ 1	[1]		-1.72 dBm
10 40					[1]	2.440	000000 GHz
10 dBm							
0 dBm		 	M	1		 	
-10 dBm		 				 	
-20 dBm							
-20 UBIII							
30 dBm							
-40 dBm							
-50 dBm							
-60 dBm							
-70 dBm							
			1000	1 nts		Spar	n 10.0 MHz
Spectrum Ref Level 2		2.42 dB 🖷	1000 NVNT BLE RBW 3 MH:	1M 2480M			
Spectrum Ref Level 2 Att SGL Count 10 JPk Max	30 dB	2.42 dB 🖷	NVNT BLE	1M 2480M			
Spectrum Ref Level 2 Att SGL Count 10	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH:	1M 2480M			-1.61 dBm
Spectrum Ref Level 2 • Att SGL Count 10 • 1Pk Max	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH:	1M 2480M	uto Sweep		
Spectrum Ref Level 2 Att SGL Count 10	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH:	1M 2480M	uto Sweep		-1.61 dBm
Spectrum Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm 0 dBm	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH: VBW 10 MH:	1M 2480M	uto Sweep		-1.61 dBm
Spectrum Ref Level 2 • Att SGL Count 10 • 1Pk Max 10 dBm	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH: VBW 10 MH:	1M 2480M	uto Sweep		-1.61 dBm
Spectrum Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm 0 dBm	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH: VBW 10 MH:	1M 2480M	uto Sweep		-1.61 dBm
Spectrum Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH: VBW 10 MH:	1M 2480M	uto Sweep		-1.61 dBm
Spectrum Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH: VBW 10 MH:	1M 2480M	uto Sweep		-1.61 dBm 268000 GHz
Spectrum Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -40 dBm	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH: VBW 10 MH:	1M 2480M	uto Sweep		-1.61 dBm 268000 GHz
Spectrum Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH: VBW 10 MH:	1M 2480M	uto Sweep		-1.61 dBm 268000 GHz
Spectrum Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -40 dBm -50 dBm	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH: VBW 10 MH:	1M 2480M	uto Sweep		-1.61 dBm 268000 GHz
Spectrum Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -40 dBm	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH: VBW 10 MH:	1M 2480M	uto Sweep		-1.61 dBm 268000 GHz
Spectrum Ref Level 2 Att SGL Count 10 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -20 dBm -50 dBm -60 dBm	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH: VBW 10 MH:	1M 2480M	uto Sweep		-1.61 dBm 268000 GHz
Spectrum Ref Level 2 Att SGL Count 10 PIPk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -50 dBm -60 dBm	30 dB	2.42 dB 🖷	NVNT BLE RBW 3 MH: VBW 10 MH:	1M 2480M	uto Sweep	2.4799	-1.61 dBm 268000 GHz

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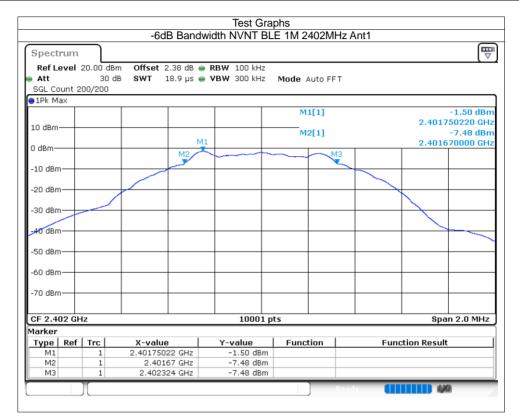
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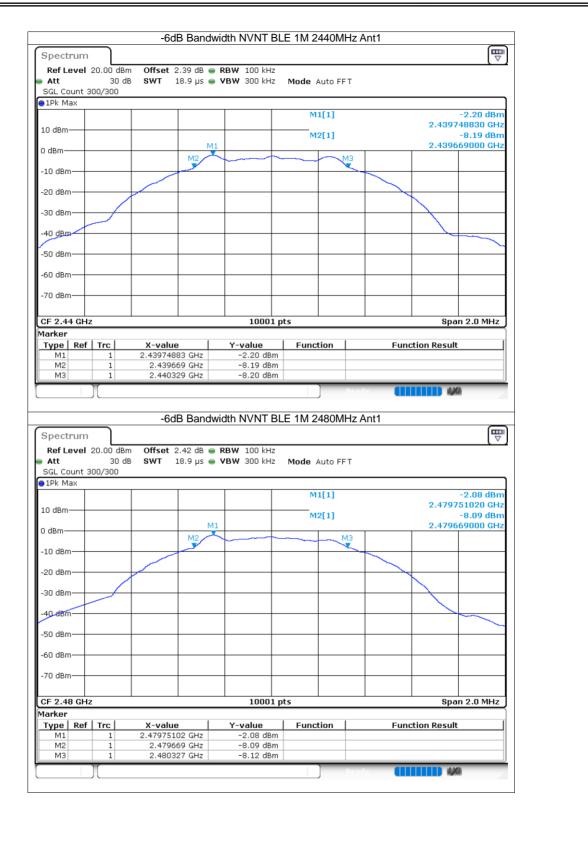


8.1.2 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.654	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.66	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.657	0.5	Pass







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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	-18.01	8	Pass
NVNT	BLE 1M	2440	Ant1	-18.61	8	Pass
NVNT	BLE 1M	2480	Ant1	-18.53	8	Pass

		PSD NVNT BLE	Graphs 1M 2402MHz Ant1		
Spectrum					
Ref Level 20.00	dBm Offset 2.3	38 dB 👄 RBW 3 k	Hz		(
		.9 µs 👄 VBW 10 k	Hz Mode Auto FFT		
SGL Count 300/30 1Pk Max	JU				
			M1[1]		-18.01 dBr
					2.401843200 GH
10 dBm					
0 dBm					
U UBIII					
-10 dBm					
		м1			
-20 dBm	In a will a to	Awwwwwww	www.www.warder.war	manante	
mont	Mr. Marian M. C.		and worker and the second	. a. an mar mark	monger
_N 201861	malmantan				
-40 dBm					
-50 dBm					
-50 UBIII					
-60 dBm					
-70 dBm					
CF 2.402 GHz		10)1 pts		Span 981.0 kHz
					4.97



Att SGL Count 200/2	30 dB SWT		RBW 3 kHz VBW 10 kHz	Mode Auto FF1	r		
∋1Pk Max			1	M1[1]			-18.61 dBm
				, milit			843740 GHz
10 dBm							
0 dBm							
-10 dBm		M1					
-20 dBm	00.0000	- AND AND	monor	and the second second second	2000 - 07 - 1		
-20 dBm	have			^{n, "} worder and are particulated	· · · · · ·	and many walk	Masmon
-40 dBm							
-50 dBm							
-60 dBm							
-70 dBm							
CF 2.44 GHz			1001	pts		Span	990.0 kHz
Spectrum Ref Level 20.0		2.42 dB 🖷 I	RBW 3 kHz	M 2480MHz Ant	neady 🚺		
Ref Level 20.0 Att SGL Count 300/3	30 dB SWT	2.42 dB 🖷 I	RBW 3 kHz	M 2480MHz Ant	teady 🚺		
Ref Level 20.0 Att	30 dB SWT	2.42 dB 🖷 I	RBW 3 kHz		leady 🚺		-18.53 dBm
Ref Level 20.0 Att SGL Count 300/3	30 dB SWT	2.42 dB 🖷 I	RBW 3 kHz	Mode Auto FFT	1 1		
Ref Level 20.0 Att SGL Count 300/3 1Pk Max	30 dB SWT	2.42 dB 🖷 I	RBW 3 kHz	Mode Auto FFT	1		-18.53 dBm
Ref Level 20.0 Att SGL Count 300/3 IPk Max 10 dBm -10 dBm	30 dB SWT	2.42 dB • 1	RBW 3 kHz VBW 10 kHz	Mode Auto FFT	toady 1		-18.53 dBm
Ref Level 20.0 Att SGL Count 300/3 IPk Max 10 dBm -10 dBm	30 dB SWT	2.42 dB • 1	RBW 3 kHz VBW 10 kHz	Mode Auto FFT		2.479	-18.53 dBm 843460 GHz
Ref Level 20.0 Att SGL Count 300/3 IPk Max 10 dBm -10 dBm	30 dB SWT	2.42 dB • 1	RBW 3 kHz VBW 10 kHz	Mode Auto FFT		2.479	-18.53 dBm 843460 GHz
Ref Level 20.0 Att SGL Count 300/3 IPk Max 10 dBm 0 dBm	30 dB SWT	2.42 dB • 1	RBW 3 kHz VBW 10 kHz	Mode Auto FFT		2.479	-18.53 dBm 843460 GHz
Ref Level 20.0 Att SGL Count 300/3 IPk Max 10 dBm -10 dBm	30 dB SWT	2.42 dB • 1	RBW 3 kHz VBW 10 kHz	Mode Auto FFT		2.479	-18.53 dBm 843460 GHz
Ref Level 20.0 Att SGL Count 300/3 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30/dBm	30 dB SWT	2.42 dB • 1	RBW 3 kHz VBW 10 kHz	Mode Auto FFT		2.479	-18.53 dBm 843460 GHz
Ref Level 20.0 Att SGL Count 300/3 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30/dBm -40 dBm	30 dB SWT	2.42 dB • 1	RBW 3 kHz VBW 10 kHz	Mode Auto FFT		2.479	-18.53 dBm 843460 GHz
Ref Level 20.0 Att SGL Count 300/3 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30/dBm -40 dBm -50 dBm	30 dB SWT	2.42 dB • 1	RBW 3 kHz VBW 10 kHz	Mode Auto FFT		2.479	-18.53 dBm 843460 GHz
Ref Level 20.0 Att SGL Count 300/3 SGL Count 300/3 10 km 10 dBm 0 -10 dBm	30 dB SWT	2.42 dB • 1	RBW 3 kHz	Mode Auto FFT M1[1] אוניייייייייייייייייייייייייייייייייייי		2.479	-18.53 dBm 843460 GHz
Ref Level 20.0 Att SGL Count 300/3 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30/dBm -40 dBm -60 dBm	30 dB SWT	2.42 dB • 1	RBW 3 kHz VBW 10 kHz	Mode Auto FFT M1[1] אוניייייייייייייייייייייייייייייייייייי		2.479	-18.53 dBm 843460 GHz

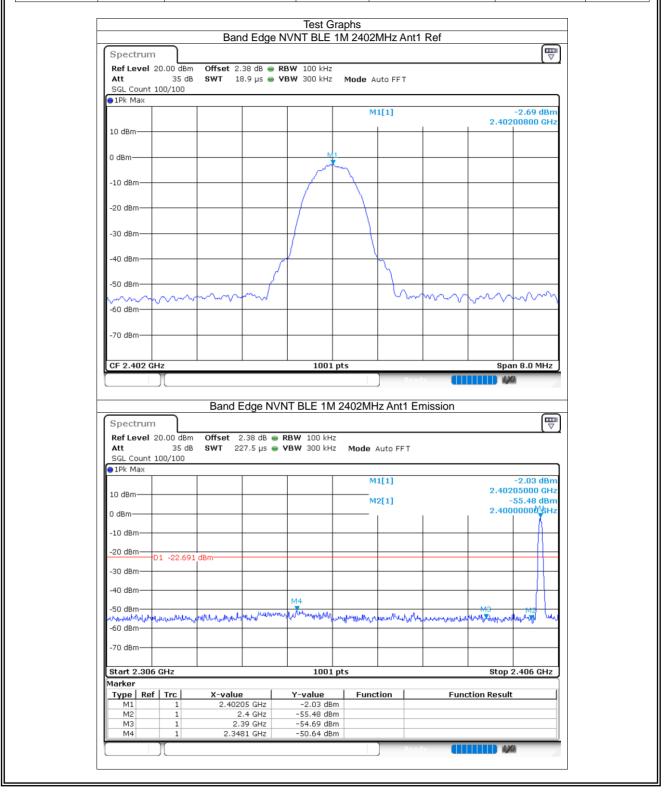
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8.1.4 Band Edge

Unit Build	Lago					
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-47.95	-20	Pass
NVNT	BLE 1M	2480	Ant1	-40.52	-20	Pass





Ref Level 30. Att SGL Count 10(45 dB			RBW 100 kHz /BW 300 kHz	Mode A	uto FFT			
1Pk Max				1					
					м	1[1]		9 470	-2.17 dBm 75220 GHz
20 dBm				+				2.479	70220 GFI2
LO dBm				+ +					
) dBm				M1					
				An	\sim				
10 dBm				+	<u> </u>				
					\sim				
20 dBm									
30 dBm				- /	\rightarrow				
					1				
40 dBm				∾/		ή,			
50 dBm	\sim	\sim	~~~~			him	· · · · ·	- vw	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
60 dBm									
CF 2.48 GHz				1001	pts			Spa	n 8.0 MHz
	_								
	〔	Band I	Edge NV	NT BLE 1M	2480MH) Pead z Ant1 Em	iission		
Spectrum Ref Level 30. Att	45 dB	Offset 2	.42 dB 😑	NT BLE 1M RBW 100 kHz VBW 300 kHz			nission		
Spectrum	45 dB	Offset 2	.42 dB 😑	RBW 100 kHz	Mode /	Auto FFT	nission		
Spectrum Ref Level 30. Att SGL Count 10(11Pk Max	45 dB	Offset 2	.42 dB 😑	RBW 100 kHz	Mode /		nission		-2.19 dBm
Spectrum Ref Level 30. Att SGL Count 10(11Pk Max	45 dB	Offset 2	.42 dB 😑	RBW 100 kHz	Mode /	Auto FFT	nission	2.479	-2.19 dBm 75000 GHz 45.02 dBm
Spectrum Ref Level 30. Att SGL Count 100 11Pk Max 20 dBm	45 dB	Offset 2	.42 dB 😑	RBW 100 kHz	Mode /	Auto FFT 1[1]	nission	2.479	-2.19 dBm 175000 GHz
Spectrum Ref Level 30. Att SGL Count 100 11PK Max 20 dBm	45 dB	Offset 2	.42 dB 😑	RBW 100 kHz	Mode /	Auto FFT 1[1]	uission	2.479	-2.19 dBm 75000 GHz 45.02 dBm
Spectrum Ref Level 30. Att SGL Count 100 10Pk Max 20 dBm 0 dBm	45 dB	Offset 2	.42 dB 😑	RBW 100 kHz	Mode /	Auto FFT 1[1]	nission	2.479	-2.19 dBm 75000 GHz 45.02 dBm
Spectrum Ref Level 30, Att SGL Count 10(1Pk Max 20 dBm 10 dBm 10 dBm 10 dBm	45 dB 0/100	Offset 2 SWT 22	.42 dB 😑	RBW 100 kHz	Mode /	Auto FFT 1[1]	nission	2.479	-2.19 dBm 75000 GHz 45.02 dBm
Spectrum Ref Level 30, Att SGL Count 10()1Pk Max 20 dBm 10 dBm 10 dBm 20 dBm 20 dBm 20 dBm	45 dB	Offset 2 SWT 22	.42 dB 😑	RBW 100 kHz	Mode /	Auto FFT 1[1]	nission	2.479	-2.19 dBm 75000 GHz 45.02 dBm
Spectrum Ref Level 30, Att SGL Count 10(1Pk Max 20 dBm 10 dBm 10 dBm 10 dBm	45 dB 0/100	Offset 2 SWT 22	.42 dB 😑	RBW 100 kHz	Mode /	Auto FFT 1[1]		2.479	-2.19 dBm 75000 GHz 45.02 dBm
Spectrum Ref Level 30, Att SGL Count 10(11Pk Max 20 dBm 10 dBm 20 dBm 10 dBm	45 dB 0/100	Offset 2 SWT 22	42 dB ● 	RBW 100 kHz	Mode /	Auto FFT 1[1] 2[1]		2.479	-2.19 dBm 75000 GHz 45.02 dBm 50000 GHz
Spectrum Ref Level 30. Att SGL Count 10(11Pk Max 20 dBm 10 dBm 10 dBm 20 cBm D1 30 cBm	45 dB 0/100	Offset 2 SWT 22	.42 dB 😑	RBW 100 kHz	Mode /	Auto FFT 1[1]		2.479	-2.19 dBm 75000 GHz 45.02 dBm 50000 GHz
Spectrum Ref Level 30. Att SGL Count 10(11Pk Max 20 dBm 10 dBm 10 dBm 20 dBm 10 dBm 20 dBm 10 dBm 20 dBm 50 dBm 50 dBm	45 dB 0/100	Offset 2 SWT 22	42 dB ● 	RBW 100 kHz	Mode /	Auto FFT 1[1] 2[1]		2.479	-2.19 dBm 75000 GHz 45.02 dBm 50000 GHz
Spectrum Ref Level 30. Att SGL Count 10(11Pk Max 20 dBm 10 dBm 10 dBm 20 dBm 10 dBm 20 dBm 10 dBm 20 dBm 50 dBm 50 dBm	45 dB 0/100	Offset 2 SWT 22	42 dB ● 	RBW 100 kHz	Mode /	Auto FFT 1[1] 2[1]		2.479	-2.19 dBm 75000 GHz 45.02 dBm 50000 GHz
Spectrum Ref Level 30, Att SGL Count 10(DIPk Max 20 dBm 10 dBm 20 dBm 10 dBm 20 dBm 10 dBm 20 dBm 60 dBm 60 dBm 60 dBm	45 dB 0/100 -22.171	Offset 2 SWT 22	42 dB ● 	RBW 100 kHz	Mode /	Auto FFT 1[1] 2[1]		2.479 - 2.483 - 	-2.19 dBm 75000 GHz 45.02 dBm 50000 GHz
Spectrum Ref Level 30, Att SGL Count 10(11Pk Max 20 dBm 10 dBm 20 cBm 10 dBm 20 cBm 10 dBm 40 dBm	45 dB 0/100 -22.171	Offset 2 SWT 22	.42 dB .7.5 μs 	RBW 100 kHz	Mode / M M M	Auto FFT 1[1] 2[1]		2.479 2.483 ການໄ/ ^{ແປນປ} າງໃນ Stop	-2.19 dBm 75000 GHz 45.02 dBm 50000 GHz
Spectrum Ref Level 30. Att SG. Count 100 11Pk Max 20 dBm 10 dBm 20 dBm 10 dBm 20 dBm 10 dBm 20 dBm 50 dBm 60 dBm 60 dBm 61 arker Type M1	45 dB 0/100 -22.171 -22.171 -22.171 -22.171 	Offset 2 SWT 22 dBm Mtho Mtho Mtho X-value 2.4797	42 dB •	RBW 100 kHz VBW 300 kHz	Mode / M M M M M M M M M M M M M M M M M M M	Auto FFT 1[1] 2[1]		2.479 - 2.483 - 	-2.19 dBm 75000 GHz 45.02 dBm 50000 GHz
Spectrum Ref Level 30, Att SGL Count 100 1PK Max 20 dBm 10 dBm 20 dBm 10 dBm 20 dBm 20 dBm 30 dBm 40 dBm; 50 dBm 60 dBm 60 dBm 60 dBm 61 dBm 62 dBm 63 dBm 64 dBm; 65 dBm	45 dB 0/100 22.171 22.171 	Offset 2 SWT 22 dBm Mto Without X-value 2.4797 2.483	42 dB 	RBW 100 kHz VBW 300 kHz	Mode / M M M M M M M M M M M M M M M M M M M	Auto FFT 1[1] 2[1]		2.479 2.483 ການໄ/ ^{ແປນປ} າງໃນ Stop	-2.19 dBm 75000 GHz 45.02 dBm 50000 GHz
Spectrum Ref Level 30. Att SG. Count 100 11Pk Max 20 dBm 10 dBm 20 dBm 10 dBm 20 dBm 10 dBm 20 dBm 50 dBm 60 dBm 60 dBm 61 arker Type M1	45 dB 0/100 -22.171 -22.171 -22.171 -22.171 	Offset 2 SWT 22 dBm 	42 dB •	RBW 100 kHz VBW 300 kHz	Mode / M M M M M M M M M M M M M M M M M M M	Auto FFT 1[1] 2[1]		2.479 2.483 ການໄ/ ^{ແປນປ} າງໃນ Stop	-2.19 dBm 75000 GHz 45.02 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	-46.11	-20	Pass
NVNT	BLE 1M	2440	Ant1	-46.19	-20	Pass
NVNT	BLE 1M	2480	Ant1	-42.18	-20	Pass



	Tx. S	purious NVNT E	st Graphs BLE 1M 24	02MHz An	t1 Ref		
Spectrum							
Ref Level 20.00 (dBm Offset 2.3	38 dB 👄 RBW 100) kHz				
		.9 μs 👄 VBW 300) kHz Mod	e Auto FFT			
SGL Count 300/300 1Pk Max)						
LEN MON				M1[1]			-1.52 dBm
						2.4017	501080 GHz
LO dBm							
) dBm		M1					
o ubili		\sim $-$					
10 dBm							
-20 dBm							
-30 dBm							
40 dBm							
-50 dBm					_	ļ	
-60 dBm							┼───┨│
-70 dBm							+1
CF 2.402 GHz		30	0001 pts			Sp	an 1.5 MHz
	Tx. Spur	rious NVNT BLE	E 1M 2402I	MHz Ant1 I	edv	4	
· _	· ·			MHz Ant1 I	adv		
Ref Level 20.00 d	dBm Offset 2.3	38 dB 曼 RBW 100) kHz				
Ref Level 20.00 (Att 30 SGL Count 10/10	dBm Offset 2.3) kHz				
Ref Level 20.00 (Att 30 SGL Count 10/10	dBm Offset 2.3	38 dB 曼 RBW 100) kHz	e Auto Swee			
Ref Level 20.00 c Att 30 SGL Count 10/10 1Pk Max 30	dBm Offset 2.3	38 dB 曼 RBW 100) kHz				-2.56 dBm
Ref Level 20.00 c Att 30 SGL Count 10/10 PIPk Max 10 Max 10	dBm Offset 2.3	38 dB 曼 RBW 100) kHz	e Auto Swee			-2.56 dBm 402070 GHz -47.64 dBm
Ref Level 20.00 c Att 30 SGL Count 10/10 PIPk Max 10 Max 10	dBm Offset 2.3	38 dB 曼 RBW 100) kHz	e Auto Swee M1[1]			-2.56 dBm 402070 GHz
Ref Level 20.00 G Att 30 SGL Count 10/10 p1Pk Max L0 dBm M1	dBm Offset 2.3	38 dB 曼 RBW 100) kHz	e Auto Swee M1[1]			-2.56 dBm 402070 GHz -47.64 dBm
Ref Level 20.00 C Att 30 SGL Count 10/10 PIPk Max 30 10 dBm M1 10 dBm 10	dBm Offset 2.3 0 dB SWT 26	38 dB 曼 RBW 100) kHz	e Auto Swee M1[1]			-2.56 dBm 402070 GHz -47.64 dBm
Ref Level 20.00 C Att 30 SGL Count 10/10 1Pk Max 30 10 dBm 41 10 dBm 41 10 dBm 41 10 dBm 41 30 dBm 41 30 dBm 41 310 dBm 41 320 dBm 41	dBm Offset 2.3 0 dB SWT 26	38 dB 👄 RBW 100) kHz	e Auto Swee M1[1]			-2.56 dBm 402070 GHz -47.64 dBm
Ref Level 20,000 Att 30 SGL Count 10/10 PIPk Max 30 10 dBm 10 10 dBm 10 30 dBm D1 -20 dBm D1 -21,5 30 dBm	dBm Offset 2.3 0 dB SWT 26	38 dB 👄 RBW 100) kHz	e Auto Swee M1[1]			-2.56 dBm 402070 GHz -47.64 dBm
Ref Level 20,000 Att 30 SGL Count 10/10 PIPk Max 30 10 dBm 10 10 dBm 10 30 dBm D1 -20 dBm D1 -21,5 30 dBm	dBm Offset 2.3 0 dB SWT 26	38 dB 👄 RBW 100) kHz	e Auto Swee M1[1]			-2.56 dBm 402070 GHz -47.64 dBm
Ref Level 20.00 G Att 30 SGL Count 10/10 IPk Max 30 10 dBm 10 -10 dBm 10 -10 dBm 01 -20 dBm 01 -20 dBm 01 -21.5 -30 dBm -50 dBm -50 dBm	dBm Offset 2.3 0 dB SWT 26	38 dB • RBW 100 5 ms • VBW 300) kHz Mod	e Auto Swee	2p	8	-2.56 dBm 402070 GHz -47.64 dBm 97.334 MHz
Ref Level 20.00 of Att SGL Count 10/10 PIPk Max 10 dBm M1 0 dBm D1 -21.5 30 dBm D1 -21.5 30 dBm S0 dBm	dBm Offset 2.3 0 dB SWT 26	38 dB • RBW 100 5 ms • VBW 300) kHz Mod	e Auto Swee	2p		-2.56 dBm 402070 GHz -47.64 dBm 97.334 MHz
Ref Level 20.00 of Att SGL Count 10/10 PIPk Max 10 dBm M1 10 dBm D1 20 dBm D1 30 dBm 40 dBm	dBm Offset 2.3 0 dB SWT 26	38 dB • RBW 100 5 ms • VBW 300) kHz) kHz Mod	e Auto Swee	2p	E	-2.56 dBm 402070 GHz -47.64 dBm 97.334 MHz
Ref Level 20.00 of Att SGL Count 10/10 PIPk Max 10 dBm M1 10 dBm D1 20 dBm D1 30 dBm 40 dBm	dBm Offset 2.3 0 dB SWT 26	38 dB • RBW 100 5 ms • VBW 300) kHz) kHz Mod	e Auto Swee	2p	E	-2.56 dBm 402070 GHz -47.64 dBm 97.334 MHz
Ref Level 20.00 d Att 30 SGL Count 10/10 PIPk Max 10 10 dBm 10 10 dBm 10 20 dBm D1 -20 dBm 50 30 dBm 40 dBm 40 dBm 10 70 dBm 10	dBm Offset 2.3 0 dB SWT 26	38 dB ● RBW 100 55 ms ● VBW 300) kHz) kHz Mod	e Auto Swee	2p	e bis télénetles, és	-2.56 dBm 402070 GHz -47.64 dBm 97.334 MHz
Ref Level 20.00 G Att 30 SGL Count 10/10 1Pk Max 30 10 dBm 41 -10 dBm 91 -20 dBm 91 -20 dBm 91 -21.5 30 dBm -30 dBm 91 -70 dBm -70 dBm Start 30.0 MHz	dBm Offset 2.3 0 dB SWT 26 522 dBm 522 dBm M3 M4 M4 M4	38 dB • RBW 100 5 ms • VBW 300) kHz) kHz Mod	e Auto Swee M1[1] M2[1]	2p	Sto	-2.56 dBm 402070 GHz -47.64 dBm 97.334 MHz
Ref Level 20.00 G Att 30 SGL Count 10/10 1Pk Max 30 10 dBm 10 -10 dBm 10 -20 dBm D1 -20 dBm 50 dBm -30 dBm -10 -70 d	dBm Offset 2.3 0 dB SWT 26 522 dBm 522 dBm M3 M4 M4 M4 M4 M4 X-value	38 dB ● RBW 100 5 ms ● VBW 300) kHz) kHz Mod	e Auto Swee	2p	e bis télénetles, és	-2.56 dBm 402070 GHz -47.64 dBm 97.334 MHz
Att 30 SGL Count 10/10 91Pk Max 91Pk Max 10 dBm 91 10 dBm 91 -10 dBm 91 -20 dBm 91 -20 dBm 91 -20 dBm 91 -21.5 -30 dBm -30 dBm -40,28m -50 dBm -40,28m -50 dBm -40,28m -50 dBm -50 dBm -50 dBm -50 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm	dBm Offset 2.3) dB SWT 26 522 dBm 522 dBm M3 M4 M3 M4 M4 M4 M3 M4 M3 M4 M3 M4 M3 M4 M3 M4 M4 M4 M3 M4 M3 M4 M3 M4 M3 M4 M3 M4 M3 M4 M3 M4 M4 M4 M3 M4 M3 M4 M4 M4 M3 M4 M4 M4 M3 M4 M4 M4 M3 M4 M4 M4 M3 M4 M4 M4 M3 M4 M4 M4 M4 M4 M4 M4 M4 M4 M3 M4 M4 M4 M4 M4 M4 M4 M4 M4 M3 M4 M4 M4 M4 M4 M4 M4 M4 M4	38 dB ● RBW 100 5 ms ● VBW 300) kHz) kHz Mod	e Auto Swee M1[1] M2[1]	2p	Sto	-2.56 dBm 402070 GHz -47.64 dBm 97.334 MHz
Ref Level 20.00 G Att 30 SGL Court 10/10 11Pk Max 30 10 dBm 10 -10 dBm	dBm Offset 2.3 0 dB SWT 26 522 dBm 522 dBm M3 M4 M4 M4 M4 M4 M3 M4 M3 M4 M	38 dB ● RBW 100 5 ms ● VBW 300) kHz) kHz Mod	e Auto Swee M1[1] M2[1]	2p	Sto	-2.56 dBm 402070 GHz -47.64 dBm 97.334 MHz
Ref Level 20.00 G Att 30 SGL Count 10/10 PIPk Max 30 10 dBm 40 20 dBm D1 -20 dBm D1 -20 dBm D1 -20 dBm D1 -20 dBm -21.5 -30 dBm	dBm Offset 2.3) dB SWT 26 522 dBm 522 dBm M3 M4 M3 M4 M4 M4 M3 M4 M3 M4 M3 M4 M3 M4 M3 M4 M4 M4 M3 M4 M3 M4 M3 M4 M3 M4 M3 M4 M3 M4 M3 M4 M4 M4 M3 M4 M3 M4 M4 M4 M3 M4 M4 M4 M3 M4 M4 M4 M3 M4 M4 M4 M3 M4 M4 M4 M3 M4 M4 M4 M4 M4 M4 M4 M4 M4 M3 M4 M4 M4 M4 M4 M4 M4 M4 M4 M3 M4 M4 M4 M4 M4 M4 M4 M4 M4	38 dB ● RBW 100 5 ms ● VBW 300 15 ms ● VBW 300 10 ms 10 ms) kHz) kHz Mod	e Auto Swee M1[1] M2[1]	2p	Sto	-2.56 dBm 402070 GHz -47.64 dBm 97.334 MHz

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Spectrum Ref Level 20.00 d	dBm Offset 2.39 dB 🥃	PRW 100 645				
Att 30	idB SWT 18.9 μs 👄	VBW 300 kHz N	1ode Auto FFT			
SGL Count 100/100 1Pk Max						
			M1[1]		-9 /	58 dBm
					2.44000615	
LO dBm]
		No 1				
) dBm						
-10 dBm						
10 0.011					~	
20 dBm						
30 dBm						
40 dBm						
50 dBm						
SU dBM						
60 dBm						
70 dBm						
CF 2.44 GHz		30001 pts			Span 1.	5 MHz
Ϋ́			`			
Spectrum	Tx. Spurious N	VNT BLE 1M 24	40MHz Ant1 E	adv		ē
Ref Level 20.00 d	iBm Offset 2.39 dB 🖷				6,61	
Ref Level 20.00 d Att 30 SGL Count 10/10	iBm Offset 2.39 dB 🖷	RBW 100 kHz			620	
Ref Level 20.00 d Att 30 SGL Count 10/10	iBm Offset 2.39 dB 🖷	RBW 100 kHz	1ode Auto Swee		-3.6	
Ref Level 20.00 c Att 30 SGL Count 10/10 1Pk Max	iBm Offset 2.39 dB 🖷	RBW 100 kHz	10de Auto Swee M1[1]		2.4400	33 dBm 10 GHz
Ref Level 20.00 c Att 30 SGL Count 10/10 1Pk Max 10 10 dBm 10 10	iBm Offset 2.39 dB 🖷	RBW 100 kHz	1ode Auto Swee		2.4400 -48.7	33 dBm 10 GHz 77 dBm
Ref Level 20.00 c Att 30 SGL Count 10/10 01Pk Max 10 dBm M1	iBm Offset 2.39 dB 🖷	RBW 100 kHz	10de Auto Swee M1[1]		2.4400 -48.7	33 dBm 10 GHz
Ref Level 20.00 c Att 30 SGL Count 10/10 PIPk Max 10 dBm M1 10 dBm 10 dBm	dBm Offset 2.39 dB • dB SWT 265 ms •	RBW 100 kHz	10de Auto Swee M1[1]		2.4400 -48.7	33 dBm 10 GHz 77 dBm
Ref Level 20.00 c Att 30 SGL Count 10/10 PIPk Max 10 dBm M1 10 dBm 10 dBm	dBm Offset 2.39 dB • dB SWT 265 ms •	RBW 100 kHz	10de Auto Swee M1[1]		2.4400 -48.7	33 dBm 10 GHz 77 dBm
Ref Level 20.00 c Att 30 SGL Count 10/10 IPk Max 30 0 dBm M1 10 dBm 10 20 dBm D1 -22.5	dBm Offset 2.39 dB • dB SWT 265 ms •	RBW 100 kHz	10de Auto Swee M1[1]		2.4400 -48.7	33 dBm 10 GHz 77 dBm
Att 30 SGL Count 10/10 0 PIPk Max 0 10 dBm 0 10 dBm 0 10 dBm 0 10 dBm 0 30 dBm 0 20 dBm 0 20 dBm 0 30 dBm 0	dBm Offset 2.39 dB • dB SWT 265 ms •	RBW 100 kHz	10de Auto Swee M1[1]		2.4400 -48.7	33 dBm 10 GHz 77 dBm
Ref Level 20.00 c Att 30 SGL Count 10/10 PPk Max 10 dBm 10 10 dBm 10 20 dBm D1 20 dBm D1 30 dBm Max	dBm Offset 2.39 dB • dB SWT 265 ms •	RBW 100 kHz	10de Auto Swee M1[1]		2.4400 -48.7	33 dBm 10 GHz 77 dBm
Ref Level 20.00 c Att 30 SGL Count 10/10 PPk Max 10 dBm 10 10 dBm 10 20 dBm D1 20 dBm D1 30 dBm 10 20 dBm 50 dBm	dBm Offset 2.39 dB • dB SWT 265 ms •	RBW 100 kHz	Iode Auto Swee		2.4400 -48.7	33 dBm 10 GHz 77 dBm
Ref Level 20.00 c Att 30 SGL Count 10/10 PPk Max 10 dBm 10 10 dBm 10 20 dBm D1 20 dBm D1 30 dBm 10 20 dBm 50 dBm	IBm Offset 2.39 dB dB SWT 265 ms	RBW 100 kHz	10de Auto Swee M1[1]		2.4400 -48.7	33 dBm 10 GHz 77 dBm
Ref Level 20.00 c Att 30 SGL Count 10/10 ID dBm 0 0 10 dBm 0 0 20 dBm 01 -22.5 30 dBm 01 -22.5 30 dBm 01 -22.5 30 dBm 01 -22.5 30 dBm 01 -22.5	IBm Offset 2.39 dB dB SWT 265 ms	RBW 100 kHz	Iode Auto Swee		2.4400 -48.7	33 dBm 10 GHz 77 dBm
Ref Level 20.00 c Att 30 SGL Count 10/10 IPK Max	IBm Offset 2.39 dB dB SWT 265 ms	RBW 100 kHz	Iode Auto Swee		2.4400 -48.7 896.43	33 dBm 10 GHz 77 dBm 51 MHz
Ref Level 20.00 c Att 30 SGL Count 10/10 IPk Max 30 ID dBm 40 10 dBm 10 20 dBm 10 20 dBm 10 30 dBm 40 40 dBm 40 70 dBm 40 70 dBm 40 70 dBm 40	IBm Offset 2.39 dB dB SWT 265 ms	RBW 100 kHz	Iode Auto Swee		2.4400 -48.7	33 dBm 10 GHz 77 dBm 51 MHz
Ref Level 20.00 c Att 30 SGL Count 10/10 IPk Max 30 .0 dBm	IBm Offset 2.39 dB ● dB SWT 265 ms ● 382 dBm 382 dBm M3 M4 M5	RBW 100 kHz VBW 300 kHz M	Iode Auto Swee		2.4400 -48.7 896.4	33 dBm 10 GHz 77 dBm 51 MHz
Ref Level 20.00 c Att 30 SGL Count 10/10 11Pk Max 10 10 dBm 10 10 10 dBm 10 10 20 dBm 01 -22.5 30 dBm 10 -22.5 30 dBm 01 -22.5 30 dBm 10 -22.5 30 dBm 01 -22.5 30 dBm -22.5 -25.5 40 dBm	IBm Offset 2.39 dB ● dB SWT 265 ms ●	RBW 100 kHz VBW 300 kHz M	Iode Auto Swee		2.4400 -48.7 896.43	33 dBm 10 GHz 77 dBm 51 MHz
Ref Level 20.00 C Att 30 SGL Count 10/10 IPPk Max 30 ID dBm 40 10 dBm 40 20 dBm 10 20 dBm 10 30 dBm 40 40 dBm 40 70 dBm 70 M1 11 M2 1	IBm Offset 2.39 dB ● idB SWT 265 ms ● 582 dBm ● ● ● 583 dBm ● ● ● 584 dBm ● ● ● 586 dBm ● ● ● 2.44001 GHz 896.451 MHz ●	RBW 100 kHz M VBW 300 kHz M	Iode Auto Swee		2.4400 -48.7 896.4	33 dBm 10 GHz 77 dBm 51 MHz
Ref Level 20.00 c Att 30 SGL Count 10/10 11Pk Max 10 10 dBm 10 10 10 dBm 10 10 20 dBm 01 -22.5 30 dBm 10 -22.5 30 dBm 01 -22.5 30 dBm 10 -22.5 30 dBm 01 -22.5 30 dBm -22.5 -25.5 40 dBm	IBm Offset 2.39 dB ● dB SWT 265 ms ●	RBW 100 kHz M VBW 300 kHz M Image: State of the st	Iode Auto Swee		2.4400 -48.7 896.4	33 dBm 10 GHz 77 dBm 51 MHz
Ref Level 20.00 c Att 30 SGL Count 10/10 IPPK Max 30 IO dBm 10 10 dBm 10 20 dBm D1 20 dBm 10 30 dBm 10 40 dBm 10 M2 50 50 dBm 10 70 dBm 10 Start 30.0 MHz Tarker 11 M2 1 M2 1	IBm Offset 2.39 dB ● i dB SWT 265 ms ● 382 dBm 382 dBm M3 M4 M5 2.44001 GHz 896.451 MHz 4.902245 GHz	RBW 100 kHz M VBW 300 kHz M	Iode Auto Swee		2.4400 -48.7 896.4	33 dBm 10 GHz 77 dBm 51 MHz
Ref Level 20.00 c Att 30 SGL Count 10/10 11Pk Max 30 10 dBm 10 10 dBm 10 20 dBm D1 20 dBm D1 30 dBm 20 40 dBm 20 M2 50 50 dBm 30 70 dBm 30 Start 30.0 MHz Iarker 1 M2 1 M2 1 M3 1 M4 1	JBm Offset 2.39 dB ● JBB SWT 265 ms ● JBB JBB JBB ● JBB SWT 265 ms ● JBB JBB JBB ● JBB JBB JBB ● JBB JBB JBB ● JBB JBB JBB JBB ● JBB JBB JBB JBB JBB JBB JBB	RBW 100 kHz M VBW 300 kHz M Image: State of the st	Iode Auto Swee	2p	2.4400 -48.7 896.4	33 dBm 10 GHz 77 dBm 51 MHz

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Deft 1		0#1 0	40 db -	nnu soo ka				
Ref Level Att	20.00 dBm 30 dB			RBW 100 kHz VBW 300 kHz	Mode Auto FF	т		
SGL Count	200/200							
1Pk Max					M1[1]			-2.10 dBm
					1	1	2.47974	195080 GHz
.0 dBm								
) dBm			M1					
			\frown	++				
10 dBm							\downarrow	
20 dBm								
30 d8m-								
40 dBm								
50 dBm				+				
60 dBm								
70 dBm								
CF 2.48 GH	z			30001	pts		Spa	in 1.5 MHz
	Y					Poadu		GA
								- ///
		Τχ. Spι	urious N	VNT BLE 1M	2480MHz Ant	1 Emission		
Spectrum	1	Tx. Spu	urious N	VNT BLE 1M	2480MHz Ant	1 Emission		-
Ref Level	20.00 dBm	Offset 2	.42 dB 👄	RBW 100 kHz				- ()
Ref Level Att	20.00 dBm 30 dB	Offset 2	.42 dB 👄	RBW 100 kHz	2480MHz Ant Mode Auto St			
Ref Level Att SGL Count	20.00 dBm 30 dB	Offset 2	.42 dB 👄	RBW 100 kHz	Mode Auto St			
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 2	.42 dB 👄	RBW 100 kHz			2.4	-3.69 dBm ⊦79720 GHz
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 2	.42 dB 👄	RBW 100 kHz	Mode Auto St			-3.69 dBm i79720 GHz -44.28 dBm
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 2	.42 dB 👄	RBW 100 kHz	Mode Auto St			-3.69 dBm F79720 GHz
Ref Level Att SGL Count 1Pk Max 0 dBm 10 dBm	20.00 dBm 30 dB 5/5	Offset 2 SWT 2	.42 dB 👄	RBW 100 kHz	Mode Auto St			-3.69 dBm i79720 GHz -44.28 dBm
Ref Level Att SGL Count 1Pk Max 0 dBm 10 dBm	20.00 dBm 30 dB 5/5	Offset 2 SWT 2	.42 dB 👄	RBW 100 kHz	Mode Auto St			-3.69 dBm i79720 GHz -44.28 dBm
Ref Level Att SGL Count (1Pk Max) 0 dBm 0 dBm 10 dBm 20 dBm	20.00 dBm 30 dB	Offset 2 SWT 2	.42 dB 👄	RBW 100 kHz	Mode Auto St			-3.69 dBm i79720 GHz -44.28 dBm
Att SGL Count 1Pk Max 10 dBm dBm 10 dBm	20.00 dBm 30 dB 5/5	Offset 2 SWT 2	.42 dB 👄	RBW 100 kHz	Mode Auto St			-3.69 dBm i79720 GHz -44.28 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 10 dBm 10 dBm 20 dBm 30 dBm	20.00 dBm 30 dB 5/5	Offset 2 SWT 2	.42 dB 👄	RBW 100 kHz	Mode Auto St			-3.69 dBm i79720 GHz -44.28 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 10 dBm 20 dBm 30 dBm	20.00 dBm 30 dB 5/5	Offset 2 SWT 2	.42 dB 👄	RBW 100 kHz VBW 300 kHz	Mode Auto Sr M1[1] M2[1]		8	-3.69 dBm i79720 GHz -44.28 dBm
Ref Level Att SGL Count SGL Max IPK Max 0 dBm 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm	20.00 dBm 30 dB 5/5	dBm	.42 dB 👄	RBW 100 kHz VBW 300 kHz	Mode Auto St			-3.69 dBm i79720 GHz -44.28 dBm
Ref Level Att SGL Count IPk Max 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm	20.00 dBm 30 dB 5/5	dBm	.42 dB 👄	RBW 100 kHz VBW 300 kHz	Mode Auto Sr M1[1] M2[1]		8	-3.69 dBm i79720 GHz -44.28 dBm
Ref Level Att SGL Count 1Pk Max 0 dBm 10 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 50 dBm 70 dBm	20.00 dBm 30 dB 5/5 D1 -22.095	dBm	.42 dB 👄	RBW 100 kHz VBW 300 kHz	Mode Auto St M1[1] M2[1]			-3.69 dBm i79720 GHz -44.28 dBm
Ref Level Att SGL Count IPk Max 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 70 dBm 50 dBm 50 dBm 50 dBm 50 dBm 50 dBm 50 dBm	20.00 dBm 30 dB 5/5 D1 -22.095	dBm	.42 dB	RBW 100 kHz VBW 300 kHz	Mode Auto Si M1[1] M2[1] _		8	-3.69 dBm F79720 GHz -44.28 dBm 77.334 MHz
Ref Level Att SGL Count IPk Max 0 dBm 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 70 dBm 70 dBm 70 dBm 70 dBm	20.00 dBm 30 dB 5/5 D1 -22.095	dBm	A42 dB C55 ms	RBW 100 kHz VBW 300 kHz	Mode Auto St M1[1] M2[1]			-3.69 dBm F79720 GHz -44.28 dBm 77.334 MHz
Ref Level Att SGL Count SGL Count 1Pk Max .0 dBm .0 dBm .	20.00 dBm 30 dB 5/5 D1 -22.095	Coffset 2 SWT 2 dBm- dBm- dBm- dBm- dBm- dBm- dBm- dBm-	.42 dB	RBW 100 kHz VBW 300 kHz	Mode Auto Si M1[1] M2		8	-3.69 dBm F79720 GHz -44.28 dBm 77.334 MHz
Ref Level Att SGL Count SGL Count	20.00 dBm 30 dB 5/5 D1 -22.095	dBm dBm dBm dBm		RBW 100 kHz VBW 300 kHz	Mode Auto Si M1[1] M2		8	-3.69 dBm F79720 GHz -44.28 dBm 77.334 MHz
Ref Level Att SGL Count SGL Count	20.00 dBm 30 dB 5/5 D1 -22.095	Coffset 2 SWT 2 dBm dBm x-value 2.4797 897.33 4.89165	.42 dB	RBW 100 kHz VBW 300 kHz 	Mode Auto St M1[1] M2[1] M2[1] D1 M2[1]		8	-3.69 dBm F79720 GHz -44.28 dBm 77.334 MHz

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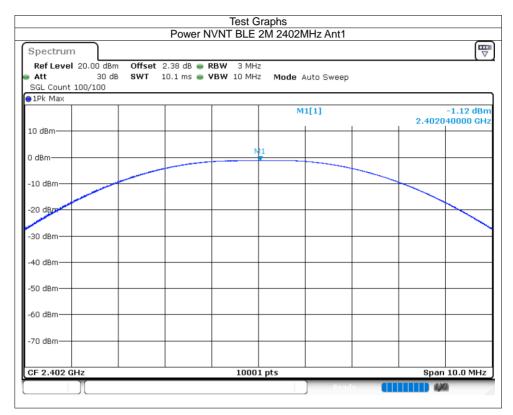




8.2 **2M**

8.2.1 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	-1.12	30	Pass
NVNT	BLE 2M	2440	Ant1	-1.85	30	Pass
NVNT	BLE 2M	2480	Ant1	-1.71	30	Pass





Att	20.00 dBm 30 dB			RBW 3 MHz VBW 10 MHz		uto Sweep			
SGL Count 1 1Pk Max	00/100								
					M1	[1]		2 440	-1.85 dBm)02000 GHz
10 dBm								2.440	
0 dBm				м	1				
-10 dBm		And the second se							
-20 dBm									
A REAL PROPERTY AND A REAL									
-30 dBm									
-40 dBm									
-50 dBm									
-60 dBm									
-70 dBm									
CF 2.44 GHz	,			10001	Ints			Snar	10.0 MHz
Ref Level			2.42 dB 👄 I	NNT BLE :	2		× •		
Spectrum Ref Level Att SGL Count 1 1Pk Max	30 dB		2.42 dB 👄 I		2		× • • • • • • • • • • • • • • • • • • •		
Ref Level Att SGL Count 1	30 dB		2.42 dB 👄 I	RBW 3 MHz	2 Mode Al		× ••••		-1.71 dBm
Ref Level Att SGL Count 1 1Pk Max	30 dB		2.42 dB 👄 I	RBW 3 MHz	2 Mode Al	uto Sweep	× •••••		
Ref Level Att SGL Count 1 1Pk Max 10 dBm	30 dB		2.42 dB 👄 I	RBW 3 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 1Pk Max	30 dB		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 1Pk Max 10 dBm	30 dB		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 1Pk Max 10 dBm 0 dBm	30 dB		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 PR Max 10 dBm 0 dBm -10 dBm -20 dBm	30 dB		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 IPk Max 10 dBm -10 dBm	30 dB		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 PR Max 10 dBm 0 dBm -10 dBm -20 dBm	30 dB		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	30 dB		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	30 dB		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	30 dB		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -60 dBm	30 dB		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	30 dB		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode Al	uto Sweep			-1.71 dBm
Ref Level Att SGL Count 1 SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	30 dB 00/100		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode A	uto Sweep		2.4799	-1.71 dBm
Ref Level Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -60 dBm	30 dB 00/100		2.42 dB 👄 I	RBW 3 MHz VBW 10 MHz	2 Mode A	uto Sweep		2.4799	-1.71 dBm 254000 GHz

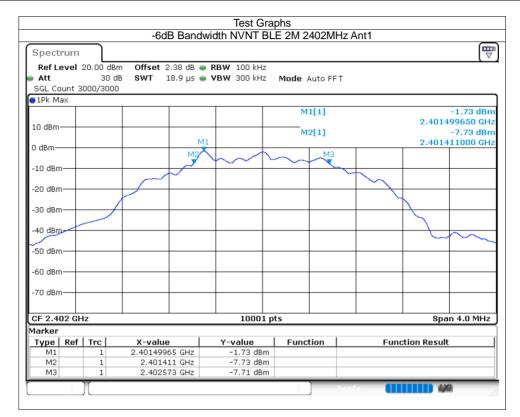
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8.2.2 -6dB Bandwidth

0.1.1	Banania					
Condition	Mode	Frequency	Antenna	-6 dB Bandwidth	Limit -6 dB	Verdict
		(MHz)		(MHz)	Bandwidth (MHz)	
NVNT	BLE 2M	2402	Ant1	1.162	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.129	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.382	0.5	Pass







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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	2402	Ant1	-20.97	8	Pass
NVNT	BLE 2M	2440	Ant1	-21.89	8	Pass
NVNT	BLE 2M	2480	Ant1	-21.62	8	Pass

		PSD NV/	Test Grap	ohs 2402MHz Ant1			
Spectrum	ר	100100					Ē
Ref Level 20.0	L DOdBm Offset	2.38 dB 👄 R	BW 3 kHz				(~
Att 🗧	30 dB SWT	632.1 µs 🖷 V	BW 10 kHz	Mode Auto FFT			
SGL Count 6000 1Pk Max	/6000						
				M1[1]		-	20.97 dBn
							67580 GH
10 dBm							
0 dBm							
-10 dBm							
10 0.0.0							
-20 dBm			M1				
	. Mallallar	rendly man and	an municipality	Augurt and and and	W monthe	A.o	
-30 dBm		++		haranan halanan harana		- Marthand	mallanter
-40 dBm							
-50 dBm							
-50 dBm							
-60 dBm							
-70 dBm							
CF 2.402 GHz			10001 pt	s		Span 1	.743 MHz



Spectrum Ref Level : Att SGL Count 1	30 dB			RBW 3 kH VBW 10 kH		Auto FFT			
1Pk Max	,								
					N	11[1]		9,490	-21.89 dBm 9967660 GHz
10 dBm						+	+	2.435	9907000 GH2
0 dBm									
-10 dBm									
-20 dBm			L	M1					
	and William	MMULA	reliniogen	البرمر المقرين البارية المحاركة المحار	الكراكام بالعاسة معاسرا	heller and have and	N-marmen lake	a la margan	and a
-30 dBm									where a show where a show where the state of
-40 dBm									
50 d0									
-50 dBm									
-60 dBm									
-70 dBm				1					
CF 2.44 GHz				1000	1 pts			·	1.6935 MHz
-		Offcot				1Hz Ant1	ay u		
Spectrum Ref Level : Att SGL Count 1	30 dB		2.42 dB 👄	RBW 3 kH	z				
Ref Level	30 dB		2.42 dB 👄	RBW 3kH	iz Iz Mode	Auto FFT			
Ref Level : Att SGL Count 1	30 dB		2.42 dB 👄	RBW 3kH	iz Iz Mode				-21.62 dBm
Ref Level	30 dB		2.42 dB 👄	RBW 3kH	iz Iz Mode	Auto FFT			
Ref Level 3 Att SGL Count 1 1Pk Max	30 dB		2.42 dB 👄	RBW 3kH	iz Iz Mode	Auto FFT			-21.62 dBm
Ref Level 3 Att SGL Count 1 1Pk Max	30 dB		2.42 dB 👄	RBW 3kH	iz Iz Mode	Auto FFT			-21.62 dBm
Ref Level 3 Att SGL Count 1 1Pk Max 10 dBm 0 dBm	30 dB		2.42 dB 👄	RBW 3kH	iz Iz Mode	Auto FFT			-21.62 dBm
Ref Level : Att SGL Count 1 1Pk Max 10 dBm -10 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	■ RBW 3 kH VBW 10 kH	Iz Iz Mode	Auto FFT		2.480	-21.62 dBm 0026740 GHz
Ref Level : Att SGL Count 1 1Pk Max 10 dBm -10 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	■ RBW 3 kH VBW 10 kH	Iz Iz Mode	Auto FFT		2.480	-21.62 dBm 0026740 GHz
Ref Level : Att SGL Count 1 1Pk Max 10 dBm -10 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	■ RBW 3 kH VBW 10 kH	Iz Iz Mode	Auto FFT		2.480	-21.62 dBm 0026740 GHz
Ref Level : Att SGL Count 1 PIPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	■ RBW 3 kH VBW 10 kH	Iz Iz Mode	Auto FFT		2.480	-21.62 dBm 0026740 GHz
Ref Level : Att SGL Count 1 1Pk Max 10 dBm -10 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	■ RBW 3 kH VBW 10 kH	Iz Iz Mode	Auto FFT		2.480	-21.62 dBm
Ref Level : Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	■ RBW 3 kH VBW 10 kH	Iz Iz Mode	Auto FFT		2.480	-21.62 dBm 0026740 GHz
Ref Level : Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	■ RBW 3 kH VBW 10 kH	Iz Iz Mode	Auto FFT		2.480	-21.62 dBm 0026740 GHz
Ref Level : Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	■ RBW 3 kH VBW 10 kH	Iz Iz Mode	Auto FFT		2.480	-21.62 dBm 0026740 GHz
Ref Level : Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	■ RBW 3 kH VBW 10 kH	Iz Iz Mode	Auto FFT		2.480	-21.62 dBm 0026740 GHz
Ref Level : Att SGL Count 1 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	■ RBW 3 kH VBW 10 kH	Iz Iz Mode	Auto FFT		2.480	-21.62 dBm 0026740 GHz
Ref Level : Att SGL Count 1 PIPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	RBW 3 k+ VBW 10 k+	Iz Iz Mode	Auto FFT			-21.62 dBm 0026740 GHz
Ref Level : Att SGL Count 1 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	30 dB 00/100	SWT	2.42 dB 632.2 µs	RBW 3 k+ VBW 10 k+	IZ Mode	Auto FFT			-21.62 dBm 0026740 GHz

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8.2.4 Band Edge

ondition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verd
NVNT	BLE 2M	2402	Ant1	-47.7	-20	Pas
NVNT	BLE 2M	2480	Ant1	-49.07	-20	Pas
		Pond Edan M	Test Graphs VNT BLE 2M 240	12MUz Anti Daf		
	Spectrum		VINI DLE ZIVI Z40			
	Ref Level 20	.00 dBm Offset 2.38 dB 👄 RE	W 100 kHz		[∀]	
	Att SGL Count 150	35 dB SWT 18.9 µs 👄 VE		Auto FFT		
	 1Pk Max 	50/1300				
				M1[1]	-2.00 dBm 2.40149650 GHz	
	10 dBm					
	0 dBm		M1			
	o abiii		home			
	-10 dBm			<u>∽</u>		
	-20 dBm	~~		<u>N</u>		
	-30 dBm					
	-40 dBm					
	io abiii			- m		
	-50 dBm	man		- mm	mana	
	-60 dBm					
	-70 dBm					
	CF 2.402 GHz		1001 pts		Span 8.0 MHz	
	CF 2.402 GHz		1001 pts	Ready	Span 8.0 MHz	
	CF 2.402 GHz			Pendy MHz Ant1 Emission	Span 8.0 MHz	
	CF 2.402 GHz			Pendy MHz Ant1 Emission	Span 8.0 MHz	
	Spectrum Ref Level 20.	Band Edge NVN	T BLE 2M 2402N			
	Spectrum Ref Level 20. Att SGL Count 100	Band Edge NVN	T BLE 2M 2402N			
	Spectrum Ref Level 20. Att	Band Edge NVN	T BLE 2M 2402N	e Auto FFT		
	Spectrum Ref Level 20. Att SGL Count 100	Band Edge NVN	T BLE 2M 2402N	e Auto FFT M1[1]	-2.41 dBm 2.40195000 GHz	
	Spectrum Ref Level 20. Att SGL Count 100 • 1Pk Max 10 dBm	Band Edge NVN	T BLE 2M 2402N	e Auto FFT M1[1] M2[1]	-2.41 dBm	
	Spectrum Ref Level 20. Att SGL Count 100 • 1Pk Max 10 dBm- 0 dBm-	Band Edge NVN	T BLE 2M 2402N	e Auto FFT M1[1] M2[1]	-2.41 dBm 2.40195000 GHz -47.34 dBm	
	Spectrum Ref Level 20. Att SGL Count 100 • 1Pk Max 10 dBm -10 dBm -10 dBm	Band Edge NVN	T BLE 2M 2402N	e Auto FFT M1[1] M2[1]	-2.41 dBm 2.40195000 GHz -47.34 dBm	
	Spectrum Ref Level 20. Att SGL Count 100 • 1Pk Max 10 dBm -10 dBm -20 dBm D1	Band Edge NVN	T BLE 2M 2402N	e Auto FFT M1[1] M2[1]	-2.41 dBm 2.40195000 GHz -47.34 dBm	
	Spectrum Ref Level 20. Att SGL Count 100 • 1Pk Max 10 dBm - 10 dBm - 10 dBm	Band Edge NVN .00 dBm Offset 2.38 dB ● R 35 dB SWT 227.5 µs ● V 0/100	T BLE 2M 2402N	e Auto FFT M1[1] M2[1]	-2.41 dBm 2.40195000 GHz -47.34 dBm	
	Spectrum Ref Level 20. Att SGL Count 100 • 1Pk Max 10 dBm -10 dBm -20 dBm D1	Band Edge NVN .00 dBm Offset 2.38 dB • R 35 dB SWT 227.5 μs • V 0/100	T BLE 2M 2402M BW 100 kHz BW 300 kHz Mode	e Auto FFT M1[1] M2[1]	-2.41 dBm 2.40195000 GHz -47.34 dBm 2.40000000℃GHz	
	Spectrum Ref Level 20. Att SGL Count 100 ● 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Band Edge NVN .00 dBm Offset 2.38 dB • R 35 dB SWT 227.5 μs • V 0/100	T BLE 2M 2402M BW 100 kHz BW 300 kHz Mode	e Auto FFT M1[1] M2[1]	-2.41 dBm 2.40195000 GHz -47.34 dBm 2.40000000℃GHz	
	Spectrum Ref Level 20. Att SGL Count 100 ● 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Band Edge NVN .00 dBm Offset 2.38 dB • R 35 dB SWT 227.5 μs • V 0/100	T BLE 2M 2402M BW 100 kHz BW 300 kHz Mode	e Auto FFT M1[1] M2[1]	-2.41 dBm 2.40195000 GHz -47.34 dBm 2.40000000℃GHz	
	Spectrum Ref Level 20. Att SGL Count 100 ● 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Band Edge NVN .00 dBm Offset 2.38 dB • R 35 dB SWT 227.5 μs • V 0/100	T BLE 2M 2402M BW 100 kHz BW 300 kHz Mode	e Auto FFT M1[1] M2[1]	-2.41 dBm 2.40195000 GHz -47.34 dBm 2.40000000℃GHz	
	Spectrum Ref Level 20. Att SGL Count 100 ● 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm	Band Edge NVN .00 dBm Offset 2.38 dB • R 35 dB SWT 227.5 μs • V D/100 -21.996 dBm -21.996 dBm -21.996 dBm	T BLE 2M 2402M BW 100 kHz BW 300 kHz Mode	e Auto FFT M1[1] M2[1] M2[1] M3[1] M3[1	-2.41 dBm 2.40195000 GHz -47.34 dBm 2.40000000℃GHz	
	Spectrum Ref Level 20. Att SGL Count 100 ● 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -70 dBm -70 dBm	Band Edge NVN .00 dBm Offset 2.38 dB • R 35 dB SWT 227.5 μs • V D/100 -21.996 dBm -21.996 dBm -21.996 dBm	T BLE 2M 2402M BW 100 kHz BW 300 kHz Mode	e Auto FFT M1[1] M2[1] M2[1] M3[1] M3[1	-2.41 dBm 2.40195000 GHz -47.34 dBm 2.40000000℃GHz	
	Spectrum Ref Level 20. Att SGL Count 100 ● 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm	Band Edge NVN	T BLE 2M 2402M BW 100 kHz BW 300 kHz Mode M4 1001 pts Y-value Fu	e Auto FFT M1[1] M2[1] M2[1] M3[1] M3[1	-2.41 dBm 2.40195000 GHz -47.34 dBm 2.40000000 GHz .40000000 GHz	
	Spectrum Ref Level 20. Att SGL Count 100 • 1Pk Max 10 dBm • 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 2.306 G Marker Type Ref M1	Band Edge NVN	T BLE 2M 2402M BW 100 kHz BW 300 kHz Mode M4 1001 pts Y-value Fu -2.41 dBm	e Auto FFT M1[1] M2[1] M3[1] M3[1] M4[1] M4[1	-2.41 dBm 2.40195000 GHz -47.34 dBm 2.40000000 GHz .40000000 GHz	
	Spectrum Ref Level 20. Att SGL Count 100 • 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm Start 2.306 G Marker Type Type	Band Edge NVN	T BLE 2M 2402M BW 100 kHz BW 300 kHz Mode M4 1001 pts Y-value Fu	e Auto FFT M1[1] M2[1] M3[1] M3[1] M4[1] M4[1	-2.41 dBm 2.40195000 GHz -47.34 dBm 2.40000000 GHz .40000000 GHz	



	m Offset 2.42 dB 👄 dB SWT 18.9 µs 👄		ode Auto FFT		
1Pk Max					
			M1[1]		-2.78 dBm
10 dBm				2	.48000800 GHz
0 dBm		- <u> </u>		+	
		m	\sim		
-10 dBm					
-20 dBm		~	<u> </u>		
-30 dBm					
40 dBm					
-40 dBm				M	
-50 dBm	+		V		
m				1 mm	~~~~~
-60 dBm				+ +	
-70 dBm					
, o ubm					
CF 2.48 GHz					Span 8.0 MHz
			Rea	dy (1111)	4,44
Spectrum			80MHz Ant1 Er	nission	ł
Ref Level 20.00 dB Att 35 c	m Offset 2.42 dB (dB SWT 227.5 µs (• RBW 100 kHz		nission	
Ref Level 20.00 dB Att 35 c SGL Count 100/100	m Offset 2.42 dB	• RBW 100 kHz			
Ref Level 20.00 dB Att 35 c SGL Count 100/100	m Offset 2.42 dB	• RBW 100 kHz			-3.98 dBm
Ref Level 20.00 dB Att 35 c SGL Count 100/100) 1Pk Max	m Offset 2.42 dB	• RBW 100 kHz	Mode Auto FFT		
Ref Level 20.00 dB Att 35 c SGL Count 100/100 PIPk Max 10 dBm 10 dBm	m Offset 2.42 dB	• RBW 100 kHz	Mode Auto FFT	2	-3.98 dBm .47955000 GHz
Ref Level 20.00 dB Att 35 d SGL Count 100/100 IPk Max 10 dBm 0 dBm	m Offset 2.42 dB	• RBW 100 kHz	Mode Auto FFT	2	-3.98 dBm .47955000 GHz -52.66 dBm
Att 35 c SGL Count 100/100 PIPk Max 10 dBm -10 dBm -10 dBm	m Offset 2.42 dB B SWT 227.5 μs	• RBW 100 kHz	Mode Auto FFT	2	-3.98 dBm .47955000 GHz -52.66 dBm
Ref Level 20.00 dB Att 35 d SGL Count 100/100 IPk Max 10 dBm 10 dBm	m Offset 2.42 dB B SWT 227.5 μs	• RBW 100 kHz	Mode Auto FFT	2	-3.98 dBm .47955000 GHz -52.66 dBm
Ref Level 20.00 dB Att 35 c SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm	m Offset 2.42 dB B SWT 227.5 μs	• RBW 100 kHz	Mode Auto FFT	2	-3.98 dBm .47955000 GHz -52.66 dBm
Ref Level 20.00 dB Att 35 d SGL Count 100/100 IPk Max 10 dBm 10 dBm	m Offset 2.42 dB B SWT 227.5 μs	• RBW 100 kHz	Mode Auto FFT	2	-3.98 dBm .47955000 GHz -52.66 dBm
Ref Level 20.00 dB Att 35 c SGL Count 100/100 IPk Max 30 dBm 10 dBm - -10 dBm - -20 dBm - -40 dBm - -50 dBm -	m Offset 2.42 dB B SWT 227.5 μs 76 dBm	RBW 100 kHz VBW 300 kHz	Mode Auto FFT	2	-3.98 dBm .47955000 GHz -52.66 dBm .48350000 GHz
Ref Level 20.00 dB Att 35 d SGL Count 100/100 1Pk Max 30 dBm 10 dBm 0 dBm -10 dBm -01 -22.7 -30 dBm -01 -22.7 -30 dBm -01 -22.7 -40 dBm -01 -22.7 -40 dBm -01 -22.7	m Offset 2.42 dB B SWT 227.5 μs 76 dBm 76 dBm	• RBW 100 kHz	Mode Auto FFT	2	-3.98 dBm .47955000 GHz -52.66 dBm .48350000 GHz
Ref Level 20.00 dB Att 35 c SGL Count 100/100 IPk Max 30 dBm 10 dBm 0 dBm -10 dBm	m Offset 2.42 dB B SWT 227.5 μs 76 dBm	RBW 100 kHz VBW 300 kHz	Mode Auto FFT	2	-3.98 dBm .47955000 GHz -52.66 dBm .48350000 GHz
Ref Level 20.00 dB Att 35 c SGL Count 100/100 IPk Max 30 dBm 10 dBm 0 dBm -10 dBm	m Offset 2.42 dB B SWT 227.5 μs 76 dBm	RBW 100 kHz VBW 300 kHz	Mode Auto FFT	2	-3.98 dBm .47955000 GHz -52.66 dBm .48350000 GHz
Ref Level 20.00 dB Att 35 c SGL Count 100/100 IPk Max 30 dBm 10 dBm	m Offset 2.42 dB B SWT 227.5 μs 76 dBm	RBW 100 kHz VBW 300 kHz	Mode Auto FFT	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3.98 dBm .47955000 GHz -52.66 dBm .48350000 GHz
Ref Level 20.00 dB Att 35 d SGL Count 100/100 1Pk Max	m Offset 2.42 dB B SWT 227.5 μs 76 dBm Mt M2 And Mr Mourted And And And And And And And And And An	RBW 100 kHz VBW 300 kHz	Mode Auto FFT	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3.98 dBm .47955000 GHz -52.66 dBm .48350000 GHz
Ref Level 20.00 dB Att 35 d SGL Count 100/100 1Pk Max 10 10 dBm 0 -10 dBm 0 -20 dBm 01 -22.7 -30 dBm	m Offset 2.42 dB B SWT 227.5 μs 76 dBm	RBW 100 kHz VBW 300 kHz	Mode Auto FFT	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3.98 dBm .47955000 GHz -52.66 dBm .48350000 GHz
Ref Level 20.00 dB Att 35 c SGL Count 100/100 IPk Max	m Offset 2.42 dB iB SWT 227.5 µs 76 dBm 76 dBm 77 dBm 78 dBm	RBW 100 kHz VBW 300 kHz VBW 300 kHz	Mode Auto FFT	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3.98 dBm .47955000 GHz -52.66 dBm .48350000 GHz
Ref Level 20.00 dB Att 35 c SGL Count 100/100 IPk Max	m Offset 2.42 dB B SWT 227.5 μs 76 dBm 76 dBm 77 dBm 78 dBm 78 dBm 78 dBm 78 dBm 78 dBm 79 dBm 79 dBm 70	RBW 100 kHz VBW 300 kHz Image: state st	Mode Auto FFT	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3.98 dBm .47955000 GHz -52.66 dBm .48350000 GHz
Ref Level 20.00 dB Att 35 c SGL Count 100/100 1Pk Max	m Offset 2.42 dB iB SWT 227.5 μs 76 dBm 76 dBm 77 dBm 78 dBm 7	RBW 100 kHz VBW 300 kHz Image: state st	Mode Auto FFT	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-3.98 dBm .47955000 GHz -52.66 dBm .48350000 GHz

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8.2.5 Co	ducted RF \$	Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 2M	2402	Ant1	-45.34	-20	Pass
NVNT	BLE 2M	2440	Ant1	-45.05	-20	Pass
NVNT	BLE 2M	2480	Ant1	-46.58	-20	Pass

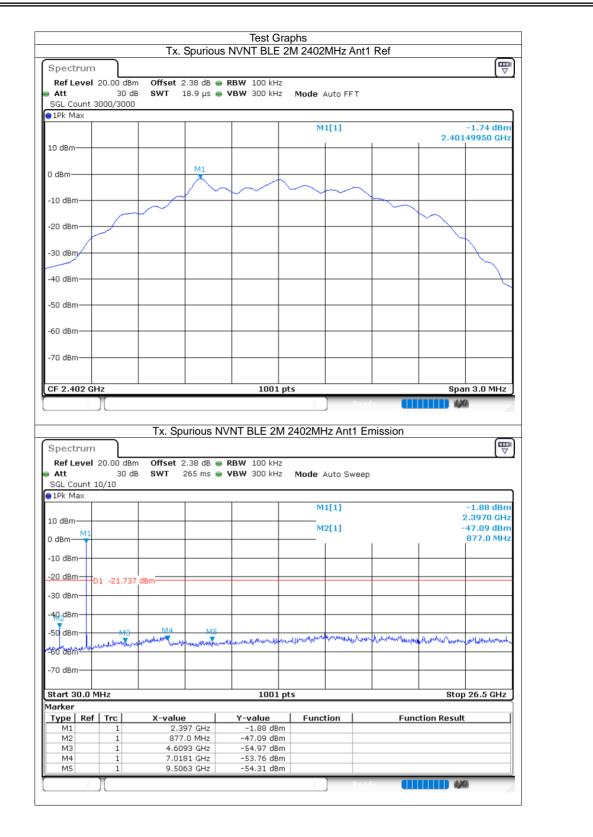


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Certificate #4298.01

Report No.: S23121106103002





Spectrum Ref Level Att GGL Count :	20.00 dBm 30 dB			RBW 100 kHz VBW 300 kHz		uto FFT			
1Pk Max	000,000								
					M	[1]			-2.94 dBm
0 dBm							1	2.43	949950 GHz
o ubili									
dBm			M1						
			▲.						
10 dBm		~	$/ \sim$		~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-		
	~	\sim							
20 dBm —								~~	
									∽
30 dBm									
10.45									
40 dBm									
50 dBm									
				T					
50 dBm									
70 dBm									
F 2.44 GH	7			1001	ntc		1	Sp	an 3.0 MHz
	2			1001	pus				
Pectrum				/NT BLE 2M	1 2440MH	Rea Iz Ant1 E	dy 🚺		
Ref Level Att	20.00 dBm 30 dB	Offset 2	.39 dB 👄 I		1 2440MH				
-	20.00 dBm 30 dB	Offset 2	.39 dB 👄 I	NT BLE 2M	1 2440MH Mode A	uto Sweep			
Ref Level Att GGL Count : 1Pk Max	20.00 dBm 30 dB	Offset 2	.39 dB 👄 I	NT BLE 2M	1 2440MH Mode A				₩ (₩)
Ref Level Att GGL Count : 1Pk Max 0 dBm	20.00 dBm 30 dB	Offset 2	.39 dB 👄 I	NT BLE 2M	1 2440MH Mode A	uto Sweep			-5.38 dBm 2.4500 GHz -48.00 dBm
Ref Level Att GGL Count : 1Pk Max	20.00 dBm 30 dB	Offset 2	.39 dB 👄 I	NT BLE 2M	1 2440MH Mode A	uto Sweer			-5.38 dBm 2.4500 GHz
Ref Level Att GGL Count : 1Pk Max 0 dBm	20.00 dBm 30 dB	Offset 2	.39 dB 👄 I	NT BLE 2M	1 2440MH Mode A	uto Sweer			-5.38 dBm 2.4500 GHz -48.00 dBm
Ref Level Att SGL Count : 1Pk Max 0 dBm dBm 10 dBm	20.00 dBm 30 dB 30/30	Offset 2 SWT 2	.39 dB 👄 I	NT BLE 2M	1 2440MH Mode A	uto Sweer			-5.38 dBm 2.4500 GHz -48.00 dBm
Ref Level Att SGL Count : 1Pk Max 0 dBm dBm M1 10 dBm	20.00 dBm 30 dB	Offset 2 SWT 2	.39 dB 👄 I	NT BLE 2M	1 2440MH Mode A	uto Sweer			-5.38 dBm 2.4500 GHz -48.00 dBm
Ref Level Att SGL Count : 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm	20.00 dBm 30 dB 30/30	Offset 2 SWT 2	.39 dB 👄 I	NT BLE 2M	1 2440MH Mode A	uto Sweer			-5.38 dBm 2.4500 GHz -48.00 dBm
Ref Level Att SGL Count : 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm	20.00 dBm 30 dB 30/30	Offset 2 SWT 2	.39 dB 👄 I	NT BLE 2M	1 2440MH Mode A	uto Sweer			-5.38 dBm 2.4500 GHz -48.00 dBm
Ref Level Att GGL Count : 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm	20.00 dBm 30 dB 30/30	Offset 2 SWT 2 dBm	.39 dB • 1 265 ms • 1	/NT BLE 2M	1 2440MH Mode A M3	uto Sweep [[1] 2[1]			-5.38 dBm 2.4500 GHz -48.00 dBm 877.0 MHz
Ref Level Att SGL Count : 1Pk Max 0 dBm dBm 10 dBm 20 dBm 130 dBm 40 dBm	20.00 dBm 30 dB 30/30	Offset 2 SWT 2	.39 dB • 1 265 ms • 1	NT BLE 2M	1 2440MH Mode A M3	uto Sweep [[1] 2[1]			-5.38 dBm 2.4500 GHz -48.00 dBm 877.0 MHz
Ref Level Att SGL Count : 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 50 dBm 50 dBm	20.00 dBm 30 dB 30/30	Offset 2 SWT 2 dBm	.39 dB • 1 265 ms • 1	/NT BLE 2M	1 2440MH Mode A M3	uto Sweep [[1] 2[1]			-5.38 dBm 2.4500 GHz -48.00 dBm 877.0 MHz
Ref Level Att SGL Count : 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 50 dBm 50 dBm	20.00 dBm 30 dB 30/30	Offset 2 SWT 2 dBm	.39 dB • 1 265 ms • 1	/NT BLE 2M	1 2440MH Mode A M3	uto Sweep [[1] 2[1]			-5.38 dBm 2.4500 GHz -48.00 dBm 877.0 MHz
Ref Level Att GGL Count 1Pk Max 0 dBm dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 50 dBm 50 dBm 50 dBm 70 dBm	20.00 dBm 30 dB 30/30	Offset 2 SWT 2 dBm	.39 dB • 1 265 ms • 1		1 2440MH Mode A M3	uto Sweep [[1] 2[1]		Jun Marchart	-5.38 dBm 2.4500 GHz -48.00 dBm 877.0 MHz
Ref Level Att SGL Count : 1Pk Max 0 dBm dBm 10 dBm 10 dBm 20 dBm 10 dBm 10 dBm 20 dBm 10 dBm	20.00 dBm 30 dB 30/30	Offset 2 SWT 2 dBm	.39 dB • 1 265 ms • 1	/NT BLE 2M	1 2440MH Mode A M3	uto Sweep [[1] 2[1]		Jun Marchart	-5.38 dBm 2.4500 GHz -48.00 dBm 877.0 MHz
Ref Level Att GGL Count 1Pk Max 0 dBm dBm 10 dBm 10 dBm 10 dBm 10 dBm 10 dBm 50 dBm 50 dBm 50 dBm 70 dBm	20.00 dBm 30 dB 30/30 D1 -22.936	Offset 2 SWT 2 dBm dBm	.39 dB ● 1 265 ms ● 1 		1 2440MH Mode A M3	uto Sweep [[1] 2[1]		Jun Marchart	-5.38 dBm 2.4500 GHz -48.00 dBm 877.0 MHz
Ref Level Att SGL Count 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 70 dBm 50 dBm 70 dBm Tarker Fype Ref	20.00 dBm 30 dB 30/30 D1 -22.936 MB MHz MHz	Offset 2 SWT 2 dBm dBm	.39 dB .65 ms .7 .65 ms .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	/NT BLE 2M RBW 100 kHz yBW 300 kHz yBW 300 kHz interval interval interval 1001 Y-value -5.38 dBr	1 2440MH Mode A M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	uto Sweep [[1] 2[1]		John Sto	-5.38 dBm 2.4500 GHz -48.00 dBm 877.0 MHz
Ref Level Att SGL Count : 1Pk Max 0 dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 70 dBm	20.00 dBm 30 dB 30/30	Offset 2 SWT 2 dBm dBm x-value X-value 2.4 877.	.39 dB .65 ms .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	/NT BLE 2M RBW 100 kHz VBW 300 kHz 	1 2440MH Mode A M3 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto Sweep [[1] 2[1]		John Sto	-5.38 dBm 2.4500 GHz -48.00 dBm 877.0 MHz
Ref Level Att GGL Count : 1Pk Max 0 dBm dBm 10 dBm 20 dBm 10 dBm 20 dBm 30 dBm 40 dBm 70 dBm 80 dBm 70 dBm 70 dBm 80 dBm 70 dBm 80 dBm	20.00 dBm 30 dB 30/30 D1 -22.936	Offset 2 SWT 2 dBm dBm M4 www.w.w. dBm 2.4 877. 5.055 7.494	.39 dB .65 ms .65 ms .7 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	/NT BLE 2M RBW 100 kHz yBW 300 kHz yBW 300 kHz interval interv	1 2440MH Mode A M3 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto Sweep [[1] 2[1]		John Sto	-5.38 dBm 2.4500 GHz -48.00 dBm 877.0 MHz
Ref Level Att SGL Count : SGL Max 0 dBm dBm dBm 10 dBm 20 dBm 30 dBm 40 dBm 30 dBm 40	20.00 dBm 30 dB 30/30 D1 -22.936	Offset 2 SWT 2 dBm dBm M4 www.w.w. dBm 2.4 877. 5.055 7.494	.39 dB .65 ms	/NT BLE 2M RBW 100 kHz yBW 300 kHz	1 2440MH Mode A M3 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto Sweep [[1] 2[1]		John Sto	-5.38 dBm 2.4500 GHz -48.00 dBm 877.0 MHz

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∋1Pk Max	300/300									
					M1[1]				-2.26 dBm 49950 GHz	
10 dBm								2.175	19900 0112	
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	n I 20.00 dBm			NT BLE 2M	2480MHz A	nt1 Em	ission			
Att SGL Count	l 20.00 dBm 30 dB	Offset 2	2.42 dB 😑 I				ission			-
Ref Leve Att SGL Count	l 20.00 dBm 30 dB	Offset 2	2.42 dB 😑 I	RBW 100 kHz		Sweep	ission		-5.10 dBm	
Ref Leve Att SGL Count 1Pk Max	l 20.00 dBm 30 dB	Offset 2	2.42 dB 😑 I	RBW 100 kHz	Mode Auto	Sweep	ission	2	-5.10 dBm 2.4760 GHz 48.84 dBm	-
Ref Leve Att SGL Count 1Pk Max 10 dBm	l 20.00 dBm 30 dB	Offset 2	2.42 dB 😑 I	RBW 100 kHz	Mode Auto M1[1]	Sweep	lission	2	-5.10 dBm 2.4760 GHz	-
Ref Leve Att SGL Count 1Pk Max 10 dBm	l 20.00 dBm 30 dB	Offset 2	2.42 dB 😑 I	RBW 100 kHz	Mode Auto M1[1]	Sweep		2	-5.10 dBm 2.4760 GHz 48.84 dBm	
Ref Leve Att SGL Count 1Pk Max 10 dBm -10 dBm -10 dBm	l 20.00 dBm 30 dB	Offset 2 SWT 2	2.42 dB 😑 I	RBW 100 kHz	Mode Auto M1[1]	Sweep		2	-5.10 dBm 2.4760 GHz 48.84 dBm	
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	1 20.00 dBm 30 dE 10/10	Offset 2 SWT 2	2.42 dB 😑 I	RBW 100 kHz	Mode Auto M1[1]	Sweep		2	-5.10 dBm 2.4760 GHz 48.84 dBm	
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm M2	01 20.00 dBm 30 d2 10/10	dBm M4	2.42 dB ● 1 265 ms ● 1	RBW 100 kHz	Mode Auto	Sweep		2	-5.10 dBm 2.4760 GHz 48.84 dBm	
Ref Leve Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	1 20.00 dBm 30 dE 10/10	Offset 2 SWT 2	2.42 dB 😑 I	RBW 100 kHz	Mode Auto M1[1] M2[1]	Sweep	y/lt/ ^{he} w/huw/h	2	-5.10 dBm 2.4760 GHz 48.84 dBm	
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm M2 -50 dBm	01 20.00 dBm 30 d2 10/10	dBm M4	2.42 dB ● 1 265 ms ● 1	RBW 100 kHz	Mode Auto	Sweep		2	-5.10 dBm 2.4760 GHz 48.84 dBm 877.0 MHz	
Ref Leve Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm	D1 -22.256	dBm M4	2.42 dB ● 1 265 ms ● 1	RBW 100 kHz VBW 300 kHz	Mode Auto	Sweep		2 	-5.10 dBm 2.4760 GHz 48.84 dBm 877.0 MHz	
Ref Leve Att SGL Count 1Pk Max 10 dBm -0 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -70 dBm -70 dBm	D1 -22.256	dBm	2.42 dB ● 1 265 ms ● 7	RBW 100 kHz VBW 300 kHz	Mode Auto	Sweep	yr Bu ^{t a} son th _a backy the	Jun tern Angeler	-5.10 dBm .4760 GHz 48.84 dBm 877.0 MHz ریسیناماینانامینام 26.5 GHz	
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm	D1 -22.256	dBm M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4 M4	2.42 dB 265 ms 265 ms 2	RBW 100 kHz VBW 300 kHz	Mode Auto	Sweep	yr Bu ^{t a} son th _a backy the	2 	-5.10 dBm .4760 GHz 48.84 dBm 877.0 MHz ریسیناماینانامینام 26.5 GHz	
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Marker Type M1 M2 M3	E 20.00 dBr 30 dB 10/10 D1 -22.256 MD MHZ MHZ f Trc 1 1 1	Contract 2 SWT 2 Contract 2 Contr	2.42 dB ● 1 265 ms ● 7 265 ms ● 7 27 265 ms ● 7 27 265 ms ● 7 27 27 27 27 27 27 27 27 27 27 27 27 27	RBW 100 kHz VBW 300 kHz	Mode Auto	Sweep	yr Bu ^{t a} son th _a backy the	Jun tern Angeler	-5.10 dBm .4760 GHz 48.84 dBm 877.0 MHz ریسیناماینانامینام 26.5 GHz	
Ref Leve Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -70 dBm -70 dBm Start 30.0 Varker Type M1 M2	D1 -22.256	Offset 2 SwT 2 SwT 2	2.42 dB 265 ms ///////////////////////////////////	RBW 100 kHz VBW 300 kHz	Mode Auto	Sweep	yr Bu ^{t a} son th _a backy the	Jun tern Angeler	-5.10 dBm .4760 GHz 48.84 dBm 877.0 MHz ریسیناماینانامینام 26.5 GHz	
Ref Leve Att SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -30 dBm -30 dBm -40 dBm -70 dBm -50 dBm -50 dBm -70 dBm	D1 -22.256	Offset 2 SwT 2 SwT 2	2.42 dB ● 1 265 ms ●	RBW 100 kHz VBW 300 kHz Image: state st	Mode Auto	Sweep	y ⁿ b ^{ris} տոննեսպում Func	Jun tern Angeler	-5.10 dBm .4760 GHz 48.84 dBm 877.0 MHz ریسیناماینانامینام 26.5 GHz	

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