



RADIO TEST REPORT FCC ID: 2ANMU-2565

Product: Smart Phone Trade Mark: OUKITEL Model No.: C65 Family Model: C65 E, C65 S, C65 Pro, C65 Plus, C65 TITAN, C65 GT Report No.: S25021304405002 Issue Date: Mar. 14, 2025

Prepared for

SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN,LONGHUA SHENZHEN, 518XXX China

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd. No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China

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TEST RESULT

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1 TEST RESULT CERTIFICATION

Applicant's name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN,LONGHUA SHENZHEN, 518XXX China
Manufacturer's Name:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN,LONGHUA SHENZHEN, 518XXX China
Product description	
Product name:	Smart Phone
Model and/or type reference:	C65
Family Model	C65 E, C65 S, C65 Pro, C65 Plus, C65 TITAN, C65 GT
Sample number:	S250213044006
Date of Test:	Feb. 13, 2025 ~ Mar. 14, 2025

Measurement Procedure Used:

APPLICABLE STANDARDS

APPLICABLE STANDARD/ TEST PROCEDURE

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart C

ANSI C63.10-2013

KDB 558074 D01 15.247 Meas Guidance v05r02

This device described above has been tested by Shenzhen NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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

Prepared By: Gavan Zhang Reviewed By: Aaron Cheng Approved By: A Alex Li (Project Engineer) (Supervisor) (Manager)

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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			

ACCREDITED

Certificate #4298.01

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

No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of 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	: No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan
	District, Shenzhen, Guangdong, People's Republic of China.

3.3 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Conducted Emission Test	±2.80dB
2	RF power, conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	All emissions, radiated(30MHz~1GHz)	±2.64dB
5	All emissions, radiated(1GHz~6GHz)	±2.40dB
6	All emissions, radiated(>6GHz)	±2.52dB
7	Temperature	±0.5°C
8	Humidity	±2%
9	All emissions, radiated(9KHz~30MHz)	±6dB
10	Occupied bandwidth	±3.7dB

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4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification					
Equipment	Smart Phone				
Trade Mark	OUKITEL				
FCC ID	2ANMU-2565				
Model No.	C65				
Family Model	C65 E, C65 S, C65 Pro, C65 Plus, C65 TITAN, C65 GT				
Model Difference	All models are the same circuit and RF module, except for model names.				
Operating Frequency	2402MHz~2480MHz				
Modulation	GFSK				
Number of Channels	40 Channels				
Antenna Type	FPC Antenna				
Antenna Gain	1.37 dBi				
Adapter	Model: HJ-0502000N2-US Input: 100-240V~50/60Hz 0.3A Output(PD): 5.0V2.0A 10.0W				
Battery	DC 3.87V, 5150mAh, 19.93Wh				
Power supply	DC 3.87V from battery or DC 5V from adapter				
HW Version	SC6019U_MB_V2.0.0				
FW Version	version:7 29 ff 4				
SW Version	OUKITEL_C65_EEA_V01				

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.

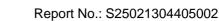




Revision History

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Report No.	Version	Description	Issued Date
S25021304405002	Rev.01	Initial issue of report	Mar. 14, 2025





5 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

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The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

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

Those data rates (1Mbps/2Mbps for GFSK modulation) were used for all test.

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

Carrier Frequency and Channel list:

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			
Cases	Mode 4: GFSK Tx Ch39_2480MHz_1Mbps/2Mbps			

Note:

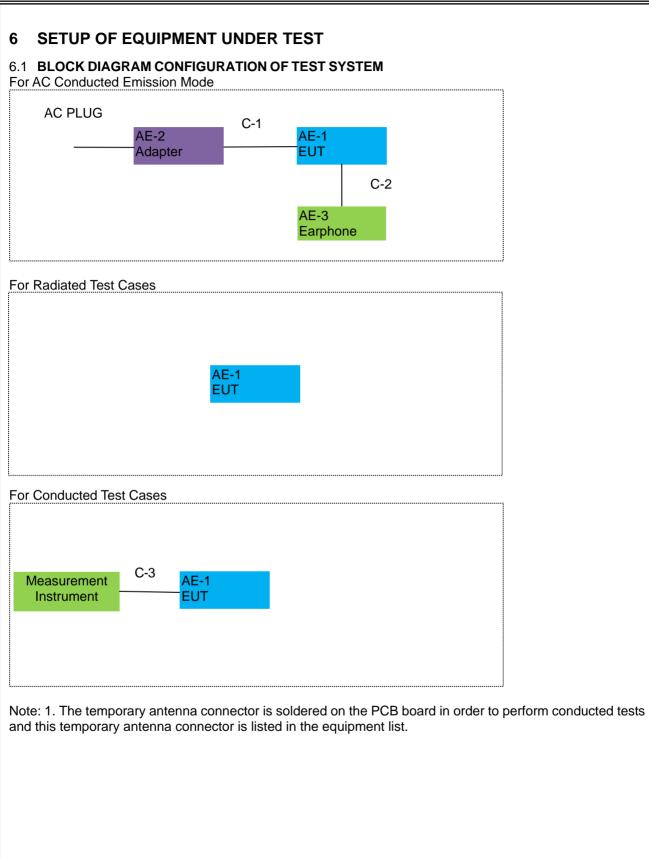
1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode

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.

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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
AE-1	Smart Phone	C65	N/A	EUT
AE-2	Adapter HJ-0502000N2-US		N/A	Peripherals
AE-3	Earphone	N/A	N/A	Peripherals

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

Notes:

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

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6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

	Und Conducted	loot oquipinont					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Agilent	E4440A	MY41000130	2024.04.26	2025.04.25	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2024.04.25	2025.04.24	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2024.04.25	2025.04.24	1 year
4	Test Receiver	R&S	ESPI7	101318	2024.04.26	2025.04.25	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2024.05.12	2025.05.11	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2024.04.26	2027.04.25	3 year
7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2024.05.12	2027.05.11	3 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2024.05.12	2027.05.11	3 year
9	Amplifier	EMC	EMC051835 SE	980246	2024.04.25	2025.04.24	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2024.05.17	2027.05.16	3 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2024.04.25	2025.04.24	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2023.05.06	2026.05.05	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2023.05.06	2026.05.05	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	2024.04.26	2027.04.25	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	AC Conduction Test equipment						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2024.04.26	2025.04.25	1 year
2	LISN	R&S	ENV216	101313	2024.04.25	2025.04.24	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2024.04.25	2025.04.24	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2024.04.26	2027.04.25	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.

Measurement Software

Item	Manufacturer	Software Name	Software Version	Description
1	MWRFtest	MTS 8310 2.4GHz/5GHz	2.0	RF Conducted Test
2	Farad	EZ-EMC_RE	AIT-03A	RadiatedTest
3	Farad	EZ-EMC_CE	AIT-03A	AC Conducted Test

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7 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a)

7.1.2 Conformance Limit

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

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

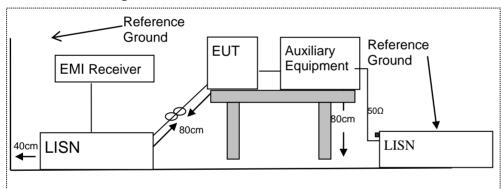
2. The lower limit shall apply at the transition frequencies

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

7.1.3 Measuring Instruments

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

7.1.4 Test Configuration



7.1.5 Test Procedure

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

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





7.1.6 Test Results

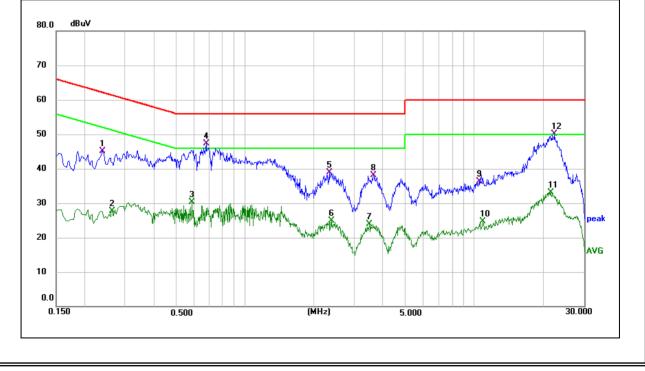
EUT:	Smart Phone	Model Name :	C65
Temperature:	22 °C	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.2380	34.85	10.23	45.08	62.17	-17.09	QP
0.2620	17.94	9.79	27.73	51.37	-23.64	AVG
0.5860	20.51	9.79	30.30	46.00	-15.70	AVG
0.6780	37.44	9.78	47.22	56.00	-8.78	QP
2.3220	29.26	9.72	38.98	56.00	-17.02	QP
2.3740	15.13	9.72	24.85	46.00	-21.15	AVG
3.4780	14.14	9.77	23.91	46.00	-22.09	AVG
3.6260	28.25	9.78	38.03	56.00	-17.97	QP
10.4660	26.46	9.86	36.32	60.00	-23.68	QP
10.8620	14.77	9.88	24.65	50.00	-25.35	AVG
21.4900	22.96	10.10	33.06	50.00	-16.94	AVG
22.1940	39.96	10.17	50.13	60.00	-9.87	QP

Remark:

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

2. Factor = Insertion Loss + Cable Loss.







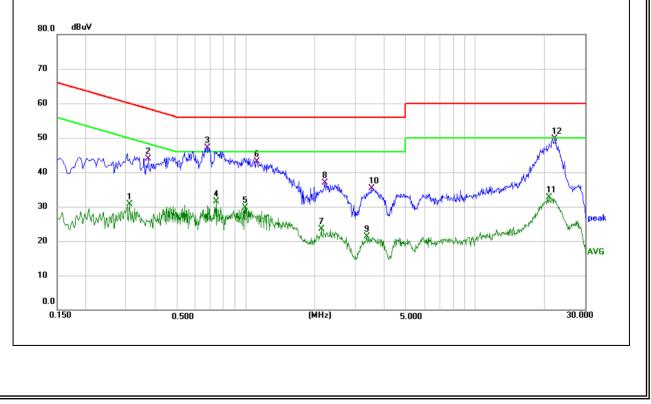
EUT:	Smart Phone	Model Name :	C65
Temperature:	22 ℃	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domorik
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.3100	20.95	9.74	30.69	49.97	-19.28	AVG
0.3740	34.18	9.79	43.97	58.41	-14.44	QP
0.6780	37.26	9.81	47.07	56.00	-8.93	QP
0.7420	21.73	9.81	31.54	46.00	-14.46	AVG
0.9940	20.09	9.71	29.80	46.00	-16.20	AVG
1.1140	33.45	9.71	43.16	56.00	-12.84	QP
2.1260	13.80	9.73	23.53	46.00	-22.47	AVG
2.2020	27.17	9.73	36.90	56.00	-19.10	QP
3.3580	11.51	9.78	21.29	46.00	-24.71	AVG
3.5460	25.57	9.79	35.36	56.00	-20.64	QP
20.9020	22.68	10.06	32.74	50.00	-17.26	AVG
22.1380	39.49	10.16	49.65	60.00	-10.35	QP

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 artifized, Restlicted 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)

Eroguopov(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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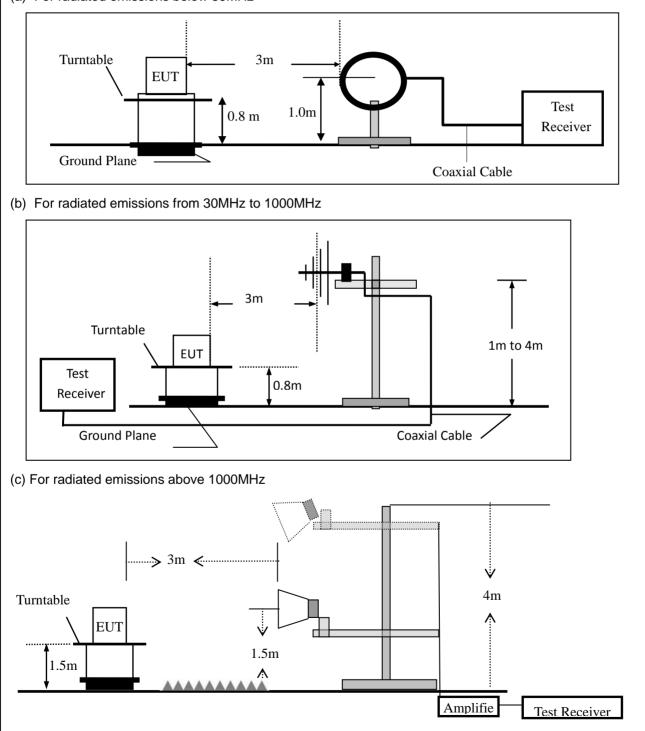


7.2.3 Measuring Instruments

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.

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:	Smart Phone	Model No.:	C65
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode1/Mode2/Mode3/ Mode4	Test By:	Gavan Zhang

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

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



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

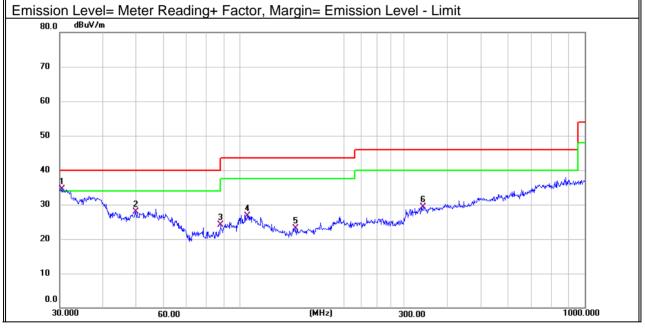
EUT:	Smart Phone	Model Name :	C65
Temperature:	25 ℃	Relative Humidity:	55%
Pressure:	1010hPa	Test Mode:	Mode 3 1Mbps
Test Voltage :	DC 3.87V		

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Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark	
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)		
V	30.4237	17.60	16.84	34.44	40.00	-5.56	QP	
V	49.8813	8.12	19.69	27.81	40.00	-12.19	QP	
V	87.7245	8.86	15.16	24.02	40.00	-15.98	QP	
V	105.2716	8.46	18.20	26.66	43.50	-16.84	QP	
V	145.3505	8.70	14.49	23.19	43.50	-20.31	QP	
V	339.5887	7.67	21.61	29.28	46.00	-16.72	QP	

Remark:







Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	43.0504	6.63	19.35	25.98	40.00	-14.02	QP
Н	72.3375	6.60	15.21	21.81	40.00	-18.19	QP
Н	167.8240	9.32	15.42	24.74	43.50	-18.76	QP
Н	207.8500	8.09	18.19	26.28	43.50	-17.22	QP
Н	526.3967	6.28	25.16	31.44	46.00	-14.56	QP
Н	938.8324	6.58	31.26	37.84	46.00	-8.16	QP
Remark Emissior ^{80.0}	Level= Meter I dBuV/m	Reading+ Fac	ctor, Margin	= Emission Le	vel - Limit		
70							
60 -							
50 -							
40					5	when have a start of the second	and a star
30 - 20 -	www.	nunn 3	manuf Manuf man	Freeman Herrican March 1944	a who will a made made the the		
10							
0.0 30.	000 6	i0.00		(MHz) ;	300.00		1000.000

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UT:	Sma	art Phon	е	Μ	odel No.:		C65			
emperature:	20 °	С		Relative Humidity:			48%	48%		
est Mode:	Mod	le2/Mod	e3/Mode4	Т	est By:		Gav	an Zhang	q	
									-	
Frequency	Read Level	Cable loss	Antenna Factor	Pream Facto		Lim	its	Margin	Remark	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ∖	//m)	(dB)		
Low Channel (2402 MHz)(GFSK)Above 1G										
4804	68.56	5.21	35.59	44.30	65.06	74.(00	-8.94	Pk	Vertical
4804	49.90	5.21	35.59	44.30	46.40	54.0	00	-7.60	AV	Vertical
7206	69.13	6.48	36.27	44.60	67.28	74.(00	-6.72	Pk	Vertical
7206	49.28	6.48	36.27	44.60	47.43	54.0	00	-6.57	AV	Vertical
4804	69.92	5.21	35.55	44.30	66.38	74.(00	-7.62	Pk	Horizontal
4804	48.73	5.21	35.55	44.30	45.19	54.0	00	-8.81	AV	Horizontal
7206	70.52	6.48	36.27	44.52	68.75	74.(00	-5.25	Pk	Horizontal
7206	48.19	6.48	36.27	44.52	46.42	54.0	00	-7.58	AV	Horizontal
Mid Channel (2440 MHz)(GFSK)Above 1G										
4880	70.34	5.21	35.66	44.20	67.01	74.(00	-6.99	Pk	Vertical
4880	47.17	5.21	35.66	44.20	43.84	54.0	00	-10.16	AV	Vertical
7320	70.48	7.10	36.50	44.43	69.65	74.(00	-4.35	Pk	Vertical
7320	47.91	7.10	36.50	44.43	47.08	54.0	00	-6.92	AV	Vertical
4880	69.46	5.21	35.66	44.20	66.13	74.(00	-7.87	Pk	Horizontal
4880	45.80	5.21	35.66	44.20	42.47	54.0	00	-11.53	AV	Horizontal
7320	69.26	7.10	36.50	44.43	68.43	74.(00	-5.57	Pk	Horizontal
7320	49.74	7.10	36.50	44.43	48.91	54.0	00	-5.09	AV	Horizontal
			High Cha	nnel (24	80 MHz)(GFSk	K) Abc	ove 10	3		
4960	69.51	5.21	35.52	44.21	66.03	74.(00	-7.97	Pk	Vertical
4960	45.95	5.21	35.52	44.21	42.47	54.0	00	-11.53	AV	Vertical
7440	68.22	7.10	36.53	44.60	67.25	74.(00	-6.75	Pk	Vertical
7440	50.46	7.10	36.53	44.60) 49.49	54.0	00	-4.51	AV	Vertical
4960	68.57	5.21	35.52	44.21	65.09	74.(00	-8.91	Pk	Horizontal
4960	47.48	5.21	35.52	44.21	44.00	54.0	00	-10.00	AV	Horizontal
7440	69.43	7.10	36.53	44.60	68.46	74.(00	-5.54	Pk	Horizontal
7440	50.54	7.10	36.53	44.60	49.57	54.0	00	-4.43	AV	Horizontal

Note:

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

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

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





Spurious E	mission ir	Restrict	ed Band 2	2310-23	0MHz and	2483.	5-25	500MHz		
EUT:	Smart Pl	none		Mod	Model No.: C65					
Temperature:	20 °C			Rela	Relative Humidity: 48%					
Fest Mode:	est Mode: Mode2/ Mode4			Test	By:		Gav	/an Zhan	g	
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limi	ts	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV	//m)	(dB)	Туре	
				1Mb	ps(GFSK)					
2310.00	68.07	2.97	27.80	43.80	55.04	74		-18.96	Pk	Horizontal
2310.00	48.00	2.97	27.80	43.80	34.97	54	ŀ	-19.03	AV	Horizontal
2310.00	69.43	2.97	27.80	43.80	56.40	74		-17.60	Pk	Vertical
2310.00	45.48	2.97	27.80	43.80	32.45	54		-21.55	AV	Vertical
2390.00	70.56	3.14	27.21	43.80	57.11	74		-16.89	Pk	Vertical
2390.00	46.81	3.14	27.21	43.80	33.36	54	ŀ	-20.64	AV	Vertical
2390.00	70.00	3.14	27.21	43.80	56.55	74	ŀ	-17.45	Pk	Horizontal
2390.00	47.60	3.14	27.21	43.80	34.15	54	ļ	-19.85	AV	Horizontal
2483.50	71.00	3.58	27.70	44.00	58.28	74	ļ	-15.72	Pk	Vertical
2483.50	45.35	3.58	27.70	44.00	32.63	54	ļ	-21.37	AV	Vertical
2483.50	69.01	3.58	27.70	44.00	56.29	74	ļ	-17.71	Pk	Horizontal

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

3.58

27.70

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

35.73

54

-18.27

AV

Horizontal

44.00

2483.50

48.45

IT:	Smart I	Phone		Model	Model No.:		C65			
mperature:	20 ℃			Relativ	e Humidit	y:	48%			
st Mode: Mode2/ Mode4			Test B	y:		Gava	an Zhang			
Frequency	Reading Level	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Lim	iits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ\	V/m)	(dB)	Туре	
3260	69.79	4.04	29.57	44.70	58.70	74	4	-15.30	Pk	Vertical
3260	47.55	4.04	29.57	44.70	36.46	54	4	-17.54	AV	Vertical
3260	70.95	4.04	29.57	44.70	59.86	74	4	-14.14	Pk	Horizontal
3260	50.27	4.04	29.57	44.70	39.18	54	4	-14.82	AV	Horizontal
3332	68.34	4.26	29.87	44.40	58.07	74	4	-15.93	Pk	Vertical
3332	47.95	4.26	29.87	44.40	37.68	54	4	-16.32	AV	Vertical
3332	69	4.26	29.87	44.40	58.73	74	4	-15.27	Pk	Horizontal
3332	49.45	4.26	29.87	44.40	39.18	54	4	-14.82	AV	Horizontal
17797	60.86	10.99	43.95	43.50	72.30	74	4	-1.70	Pk	Vertical
17797	35.06	10.99	43.95	43.50	46.50	54	4	-7.50	AV	Vertical
17788	59.41	11.81	43.69	44.60	70.31	74	4	-3.69	Pk	Horizontal
17788	37.13	11.81	43.69	44.60	48.03	54	4	-5.97	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:	Smart Phone	Model No.:	C65
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Gavan Zhang





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}





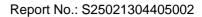
7.4.6 Test Results

EUT:	Smart Phone	Model No.:	C65
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Gavan Zhang

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7.5 **PEAK OUTPUT POWER**

7.5.1 Applicable Standard

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

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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:	Smart Phone	Model No.:	C65
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Gavan Zhang



7.6 POWER SPECTRAL DENSITY

7.6.1 Applicable Standard

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

7.6.2 Conformance Limit

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

7.6.3 Measuring Instruments

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

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

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

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

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

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

The EUT was operating in controlled its channel.

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





7.6.6 Test Results

EUT:	Smart Phone	Model No.:	C65
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Gavan Zhang



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.

7.7.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

7.7.3 Measuring Instruments

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

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

The testing follows FCC KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

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

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

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

The EUT was operating in controlled its channel.

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

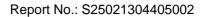
Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

Repeat above procedures until all measured frequencies were complete.

7.7.6 Test Results

EUT:	Smart Phone	Model No.:	C65
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode4	Test By:	Gavan Zhang





7.8 SPURIOUS RF CONDUCTED EMISSIONS

7.8.1 Conformance Limit

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

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

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7.8.2 Measuring Instruments

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

7.8.3 Test Setup

Please refer to Section 6.1 of this test report.

7.8.4 Test Procedure

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

7.8.5 Test Results

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





7.9 ANTENNA APPLICATION

7.9.1 Antenna Requirement

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

7.9.2 Result

The EUT antenna is permanent attached FPC Antenna (Gain: 1.37 dBi). It comply with the standard requirement.





8 TEST RESULTS

8.1 **1M:**

8.1.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	88.07	0.55	0.61
NVNT	BLE 1M	2440	Ant1	88.01	0.55	0.61
NVNT	BLE 1M	2480	Ant1	87.85	0.56	0.61

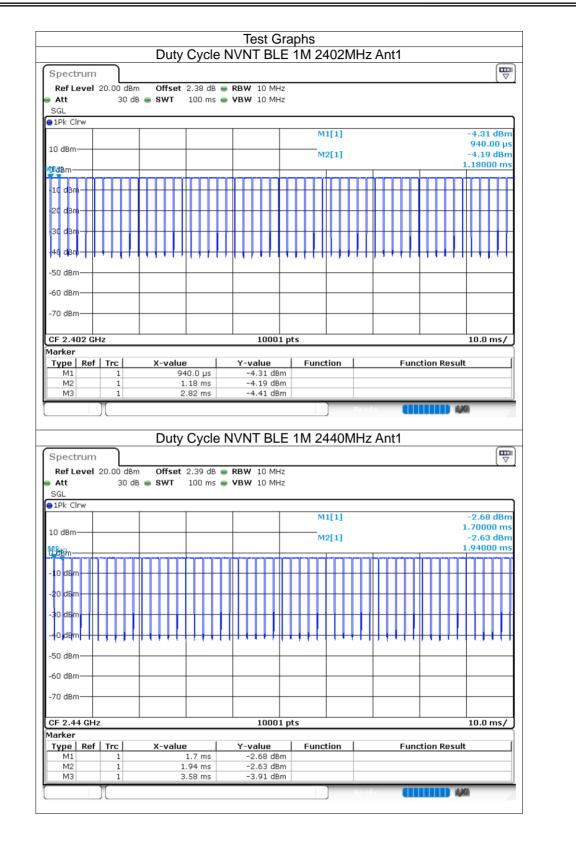


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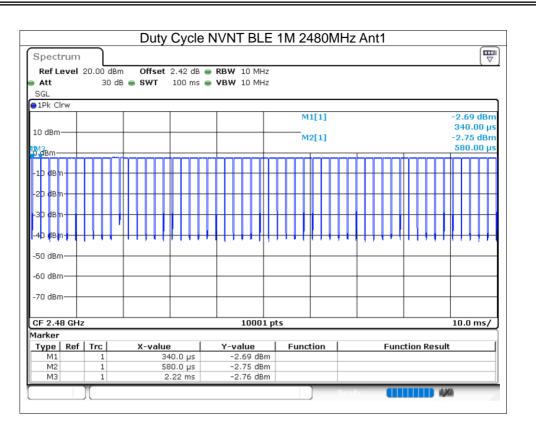
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Report No.: S25021304405002





Report No.: S25021304405002



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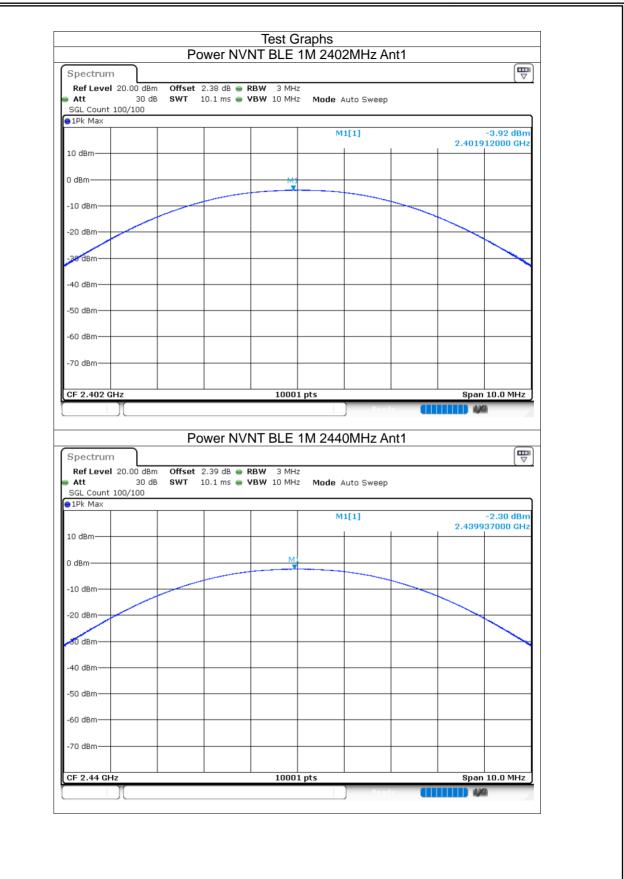


8.1.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-3.92	30	Pass
NVNT	BLE 1M	2440	Ant1	-2.3	30	Pass
NVNT	BLE 1M	2480	Ant1	-2.35	30	Pass

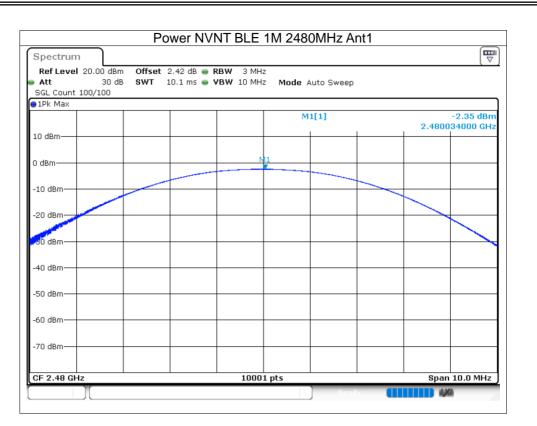
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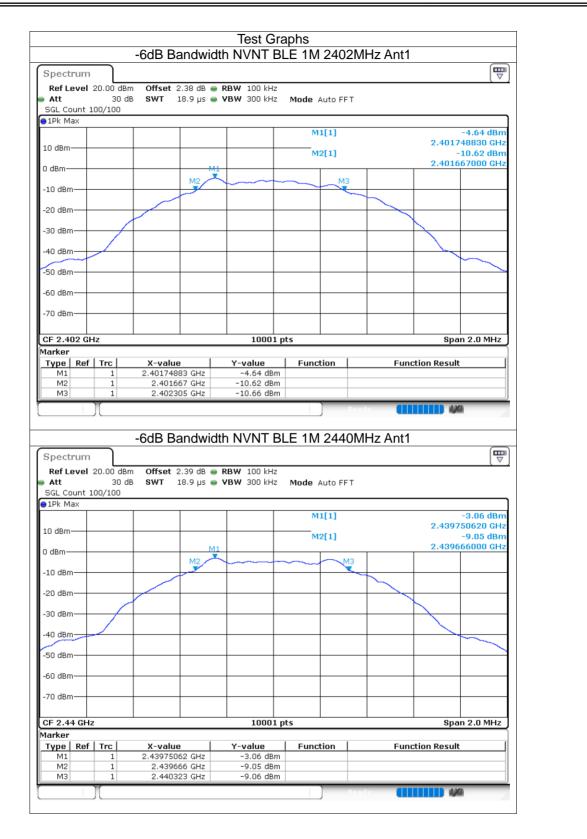




8.1.3 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.638	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.657	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.655	0.5	Pass





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Spectrum						
Ref Level		Bm Offset 2.42 d	B 👄 RBW 100 kHz			(*
Att			s 曼 VBW 300 kHz	Mode Auto FFT		
GL Count :	100/100			noue nate i i		
1Pk Max						
				M1[1]		-2.91 dBm
0 40						2.479748830 GHz
0 dBm				M2[1]		-8.92 dBm
dBm			M1			2.479666000 GHz
ubiii		M2		МЗ		
10 dBm		y				
20 dBm —						
30 dBm 🕂						\rightarrow
40 dBm						
50 dBm —						
50 dBm						
70 dBm						
o ubiii						
F 2.48 GH	z		10001	ots		Span 2.0 MHz
arker						
	Trc	X-value	Y-value	Function	Fund	tion Result
M1 M2	1	2.47974883 GH 2.479666 GH				
M3	1	2.479666 GH				

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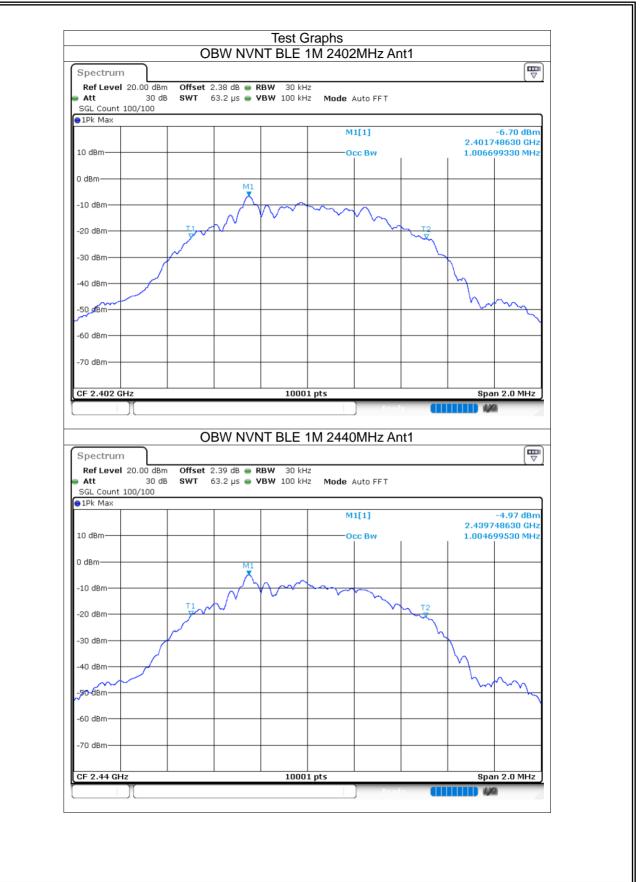




8.1.4 Occupied Channel Bandwidth

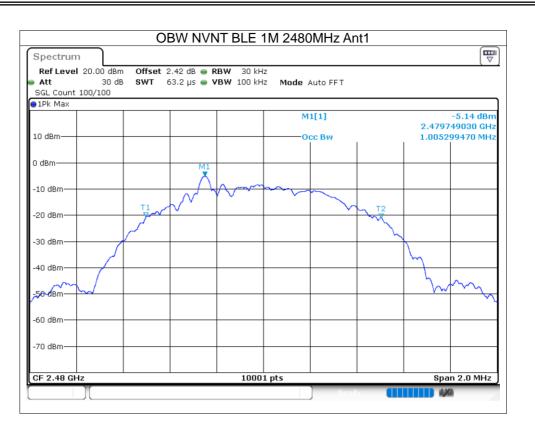
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.007
NVNT	BLE 1M	2440	Ant1	1.005
NVNT	BLE 1M	2480	Ant1	1.005





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8.1.5 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-20.97	8	Pass
NVNT	BLE 1M	2440	Ant1	-19.33	8	Pass
NVNT	BLE 1M	2480	Ant1	-19.35	8	Pass

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Spectrum							
Ref Level 20.00		2.38 dB 🖷 R					(•)
SGL Count 1000/1	30 dB SWT	632 µs 🖷 V	' BW 10 kHz	Mode Auto FF	Т		
●1Pk Max							
				M1[1]			-20.97 dBm 840340 GHz
10 dBm						2.4010	10310 012
0 dBm							
-10 dBm							
		M1					
-20 dBm	h	how	MANA	moundada	showing .		
-30 dBm	when have and he	VVV '' '		Monoronalary	a no physical	W wayer dyelad	Am
+NUN WA							an norther
-40 dBm							
-50 dBm							
-60 dBm							┼───┨│
-70 dBm							
-70 dBm							
CF 2.402 GHz			1001	nts			957.0 kHz
						opun	
	F	PSD NVN		M 2440MHz	Peady		
Spectrum Ref Level 20.00		2.39 dB • R	T BLE 1		z Ant1		
Spectrum Ref Level 20.00	dBm Offset 30 dB SWT	2.39 dB 🖷 R	TBLE 1 BW 3 kHz				
Spectrum Ref Level 20.00	dBm Offset 30 dB SWT	2.39 dB 🖷 R	TBLE 1 BW 3 kHz	M 2440MH2			
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1	dBm Offset 30 dB SWT	2.39 dB 🖷 R	TBLE 1 BW 3 kHz	M 2440MH2			₩ 19.33 dBm
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 1Pk Max	dBm Offset 30 dB SWT	2.39 dB 🖷 R	TBLE 1 BW 3 kHz	M 2440MHz Mode Auto FF			
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 1Pk Max 10 dBm	dBm Offset 30 dB SWT	2.39 dB 🖷 R	TBLE 1 BW 3 kHz	M 2440MHz Mode Auto FF			₩ 19.33 dBm
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 1Pk Max 10 dBm	dBm Offset 30 dB SWT	2.39 dB 🖷 R	TBLE 1 BW 3 kHz	M 2440MHz Mode Auto FF			₩ 19.33 dBm
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 1Pk Max 10 dBm 0 dBm	dBm Offset 30 dB SWT	2.39 dB 🖷 R	TBLE 1 BW 3 kHz	M 2440MHz Mode Auto FF			₩ 19.33 dBm
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 1Pk Max 10 dBm -10 dBm -10 dBm	I dBm Offset 30 dB SWT 1000	2.39 dB • R 632 µs • V	T BLE 1 BW 3 kHz BW 10 kHz	M 2440MHz Mode Auto FF M1[1]	т	2.4396	19.33 dBm 40510 GHz
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 1Pk Max 10 dBm -10 dBm -10 dBm	I dBm Offset 30 dB SWT 1000	2.39 dB • R 632 µs • V	T BLE 1 BW 3 kHz BW 10 kHz	M 2440MHz Mode Auto FF M1[1]	т	2.4396	19.33 dBm 40510 GHz
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 1Pk Max 10 dBm -10 dBm -10 dBm	I dBm Offset 30 dB SWT 1000	2.39 dB • R 632 µs • V	T BLE 1 BW 3 kHz BW 10 kHz	M 2440MHz Mode Auto FF M1[1]	т	2.4396	19.33 dBm 40510 GHz
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	I dBm Offset 30 dB SWT 1000	2.39 dB • R 632 µs • V	T BLE 1 BW 3 kHz BW 10 kHz	M 2440MHz Mode Auto FF M1[1]	т	2.4396	19.33 dBm 40510 GHz
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 1Pk Max 10 dBm -10 dBm -10 dBm	I dBm Offset 30 dB SWT 1000	2.39 dB • R 632 µs • V	T BLE 1 BW 3 kHz BW 10 kHz	M 2440MHz Mode Auto FF M1[1]	т	2.4396	19.33 dBm 40510 GHz
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/3 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	I dBm Offset 30 dB SWT 1000	2.39 dB • R 632 µs • V	T BLE 1 BW 3 kHz BW 10 kHz	M 2440MHz Mode Auto FF M1[1]	т	2.4396	19.33 dBm 40510 GHz
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30,dBm -40 dBm -50 dBm	I dBm Offset 30 dB SWT 1000	2.39 dB • R 632 µs • V	T BLE 1 BW 3 kHz BW 10 kHz	M 2440MHz Mode Auto FF M1[1]	т	2.4396	19.33 dBm 40510 GHz
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm -30,dBm -40 dBm -50 dBm	I dBm Offset 30 dB SWT 1000	2.39 dB • R 632 µs • V	T BLE 1 BW 3 kHz BW 10 kHz	M 2440MHz Mode Auto FF M1[1]	т	2.4396	19.33 dBm 40510 GHz
Spectrum Ref Level 20.00 Att	I dBm Offset 30 dB SWT 1000	2.39 dB • R 632 µs • V	T BLE 1 BW 3 kHz BW 10 kHz	M 2440MHz Mode Auto FF M1[1]	т	2.4396	19.33 dBm 40510 GHz
Spectrum Ref Level 20.00 Att 3 SGL Count 1000/1 Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	I dBm Offset 30 dB SWT 1000	2.39 dB • R 632 µs • V	T BLE 1 BW 3 kHz BW 10 kHz	M 2440MHz Mode Auto FF M1[1]	т	2.4396	19.33 dBm 40510 GHz
Spectrum Ref Level 20.00 Att	I dBm Offset 30 dB SWT 1000	2.39 dB • R 632 µs • V	T BLE 1 BW 3 kHz BW 10 kHz	M 2440MHz Mode Auto FF M1[1]	т	2.4396	19.33 dBm 40510 GHz

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Spectrum							
SGL Count 1000/1	80 dB SWT	2.42 dB 👄 RI 632 µs 👄 VI		Mode Auto F	FT		
1Pk Max				M1[1]			-19.35 dBn
10 dBm						2.4798	340010 GH:
) dBm							
-10 dBm							
-20 dBm		M1					
-20 dBm	wwww	Manager	WHAT RANAU	. Manana wana wana wana waka waka waka waka	wern from the the the server	monortunal	m
							Mouliur
40 dBm							
-50 dBm							
-60 dBm							
-70 dBm							
CF 2.48 GHz			1001	ots		Snan	982.5 kHz
CF 2.48 GHz			1001	ots	Ready	Span	982.5 kH

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8.1.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-56.09	-20	Pass
NVNT	BLE 1M	2480	Ant1	-59.08	-20	Pass

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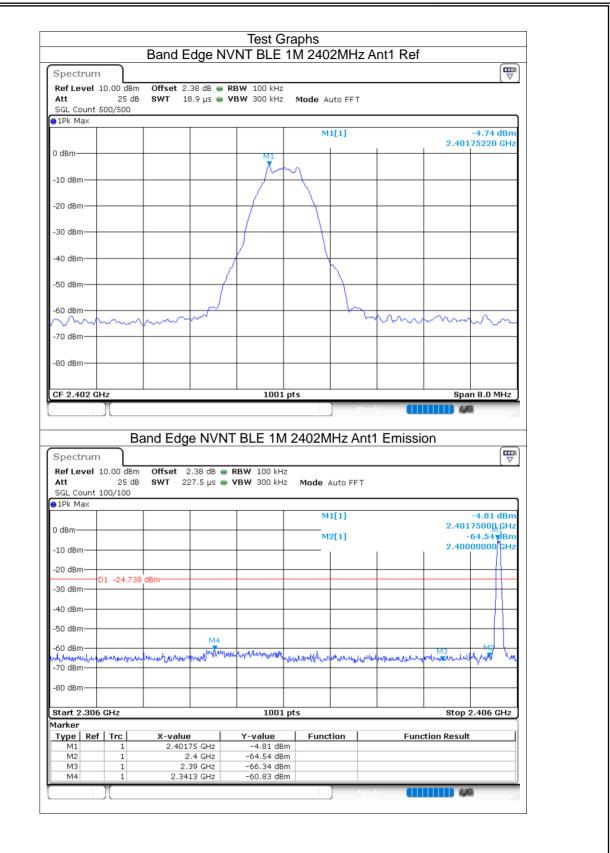


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Spect	'um			-	IVNT BLE					
Ref Le Att	vel 1	LO.OO de 25	db SWT		RBW 100 kHz VBW 300 kHz		uto FFT			(∨)
SGL Co 1Pk Ma		100/100								
TEV MG						M	1[1]			-2.93 dBm
									2.479	975220 GHz
) dBm—					M1					
						\sim				
-10 dBm										
20 dBm										
20 0011										
30 dBm	_		_							
						\				
40 dBm	+						2			
							\mathbf{i}			
50 dBm	+								1	<u> </u>
m	M	2					X			
60 dBn	+	M	nav	\sim			<u> </u>	The second		0000
-70 dBm			www v						The Ar	$\sim \sim \sim \sim$
, o abii										
80 dBm	\rightarrow		_							
05.0.40					1001				0	in 8.0 MHz
			Band Ed	dge NVN	NT BLE 1M	pts 1 2480M) Re IHz An	odv 🚺 t1 Emiss		
Specti Ref Le	rum) [3m Offset	: 2.42 dB	NT BLE 1N RBW 100 kH	1 2480M		atv 🚺 t1 Emiss		
Specti Ref Le [.] Att SGL Co	rum vel 1 unt 1		Bm Offset dB SWT	: 2.42 dB	NT BLE 1M	1 2480M		t1 Emiss		
Specti Ref Le [.] Att SGL Co	rum vel 1 unt 1	L0.00 df 25	Bm Offset dB SWT	: 2.42 dB	NT BLE 1N RBW 100 kH	1 2480M ^z Mode 4	Auto FFT	adv 🚺		
Specti Ref Le Att SGL Co 1Pk Ma	rum vel 1 unt 1	L0.00 df 25	Bm Offset dB SWT	: 2.42 dB	NT BLE 1N RBW 100 kH	1 2480M ^z Mode 4		t1 Emiss	ion	
Specti Ref Le ⁴ Att SGL Co 1Pk Ma 1Pk Ma	rum vel 1 unt 1 ax	L0.00 df 25	Bm Offset dB SWT	: 2.42 dB	NT BLE 1N RBW 100 kH	1 2480M ^z Mode 4 M:	Auto FFT	t1 Emiss	ion 2.480	-3.86 dBm 005000 GHz -62.02 dBm
Specti Ref Le Att SGL Co IPk Ma	rum vel 1 unt 1 ax	L0.00 df 25	Bm Offset dB SWT	: 2.42 dB	NT BLE 1N RBW 100 kH	1 2480M ^z Mode 4 M:	Auto FFT	t1 Emiss	ion 2.480	-3.86 dBm 005000 GHz
Spectr Ref Le SGL Co 1Pk Ma 1Pk Ma 10 dBm	rum vel 1 unt 1 ax)(10.00 dE 25 100/100	Bm Offset dB SWT	: 2.42 dB	NT BLE 1N RBW 100 kH	1 2480M ^z Mode 4 M:	Auto FFT	t1 Emiss	ion 2.480	-3.86 dBm 005000 GHz -62.02 dBm
Spect Ref Le SGL Co DPk Ma D dBm - 10 dBm - 20 dBm	rum vel 1 unt 1 ax)(10.00 dE 25 100/100	Bm Offset dB SWT	: 2.42 dB	NT BLE 1N RBW 100 kH	1 2480M ^z Mode 4 M:	Auto FFT	adv II t1 Emiss	ion 2.480	-3.86 dBm 005000 GHz -62.02 dBm
Spectr Ref Lev Att SGL Co 1Pk Ma 10 dBm 20 dBm 30 dBm	rum vel 1 unt 1 ax)(10.00 dE 25 100/100	Bm Offset dB SWT	: 2.42 dB	NT BLE 1N RBW 100 kH	1 2480M ^z Mode 4 M:	Auto FFT	t1 Emiss	ion 2.480	-3.86 dBm 005000 GHz -62.02 dBm
Spectr Ref Lev Att SGL Co 1Pk Ma 10 dBm 20 dBm 30 dBm	rum vel 1 unt 1 ax)(10.00 dE 25 100/100	Bm Offset dB SWT	: 2.42 dB	NT BLE 1N RBW 100 kH	1 2480M ^z Mode 4 M:	Auto FFT	t1 Emiss	ion 2.480	-3.86 dBm 005000 GHz -62.02 dBm
Att	rum vel 1 unt 1 ax)(10.00 dE 25 100/100	Bm Offset dB SWT	: 2.42 dB	NT BLE 1N RBW 100 kH	1 2480M ^z Mode 4 M:	Auto FFT	t1 Emiss	ion 2.480	-3.86 dBm 005000 GHz -62.02 dBm
Spectr Ref Le ⁻ SGL Co 1Pk Ma 0 dEm -10 dBm -20 dBm -30 dBm -40 dBm	rum vel 1 ax)(10.00 dE 25 100/100	Bin Offset dB SWT	227.5 μs	NT BLE 1M	1 2480M	Auto FFT 1[1] 2[1]		2.480 2.480	-3.86 dBm 005000 GHz -62.02 dBm 550000 GHz
Spectr Ref Le ⁻ SGL Co 1Pk Ma 10 dEm -10 dBm -20 dBm -30 dBm -40 dBm	rum vel 1 ax)(10.00 dE 25 100/100	Bin Offset dB SWT	227.5 μs	NT BLE 1N RBW 100 kH	1 2480M	Auto FFT 1[1] 2[1]		2.480 2.480	-3.86 dBm 005000 GHz -62.02 dBm 550000 GHz
Spectr Ref Le SGL Co IPk Ma O dEm 	rum vel 1 ax)(10.00 dE 25 100/100	Bin Offset dB SWT	227.5 μs	NT BLE 1M	1 2480M	Auto FFT 1[1] 2[1]		2.480 2.480	-3.86 dBm 005000 GHz -62.02 dBm 550000 GHz
Specta Ref Le SGL Co 1PK M: 10 dBm 30 cBm 30	rum vel 1 unt 1 ax)(10.00 dE 25 100/100	Bin Offset dB SWT	227.5 μs	NT BLE 1M	1 2480M	Auto FFT 1[1] 2[1]		2.480 2.480	-3.86 dBm 005000 GHz -62.02 dBm 550000 GHz
Specta Ref Le SGL Co 1PK M: 10 dBm 30 cBm 30	rum vel 1 unt 1 ax)(10.00 dE 25 100/100	Bin Offset dB SWT	227.5 μs	NT BLE 1M	1 2480M	Auto FFT 1[1] 2[1]		2.480 2.480	-3.86 dBm 005000 GHz -62.02 dBm 550000 GHz
Specture Ref Lee Att SGL Coo 11Pk Ma 20 dBm 	rum vel 1 ax	01 -22.5	Bin Offset dB SWT	227.5 μs	NT BLE 1M	1 2480M	Auto FFT 1[1] 2[1]		2.480 2.483	-3.86 dBm 005000 GHz -62.02 dBm 550000 GHz
Spectr Ref Le Att SGL Co 11Pk Ma 20 dBm 	rum vel 1 unt 1 ax)(Am Offset dB SWT	227.5 μs	NT BLE 1M	1 2480M	Auto FFT 1[1] 2[1]		ion 2.480 2.483	-3.86 dBm 005000 GHz -62.02 dBm 350000 GHz
Specture Ref Lee Att SGL Coo 11Pk Ma 20 dBm 	rum vel 1 unt 1 ax)(Am Offset dB SWT	227.5 μs	NT BLE 1M	1 2480M	Auto FFT 1[1] 2[1]		2.480 2.483	-3.86 dBm 005000 GHz -62.02 dBm 350000 GHz
Specta Ref Le' Att SGL Coo 1Pk M: 10 dBm 20 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm 50 dBm 50 dBm 770 dBm 80 dBm 80 dBm 80 dBm 70	rum vel 1 unt 1 ax	01 -22.9 GHz	Am Offset dB SWT	227.5 μs	NT BLE 1M	1 2480M	Auto FFT 1[1] 2[1]		ion 2.480 2.483	-3.86 dBm 005000 GHz -62.02 dBm 350000 GHz
Spectr Ref Ler Att SGL Co J dEm- 10 dBm 30 dBm 30 dBm 30 dBm 40 dBm 50 dBm 80 dBm 80 dBm 80 dBm 80 dBm 81 d	rum vel 1 unt 1 ax	GHz	Am Offset dB SWT	227.5 μs	NT BLE 1M	1 2480M	Auto FFT 1[1] 2[1]		ion 2.480 2.483	-3.86 dBm 005000 GHz -62.02 dBm 350000 GHz
Spects Ref Le' Att SGL Co 1Pk M: 10 dBm 10 dBm 10 dBm 20 dBm 40 dBm 40 dBm 50 dBm 50 dBm 50 dBm 50 dBm 70 dBm 80 dBm 80 dBm 80 dBm 71 dBm 71 dBm 70 dBm 80 dBm 71 dBm 71 dBm 70 dBm 80 dBm 71 d	rum vel 1 unt 1 ax	01 -22.9 GHz	Am Offset dB SWT	227.5 μs	NT BLE 1M	1 2480M	Auto FFT 1[1] 2[1]		ion 2.480 2.483	-3.86 dBm 005000 GHz -62.02 dBm 350000 GHz

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8.1.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-46.62	-20	Pass
NVNT	BLE 1M	2440	Ant1	-45.7	-20	Pass
NVNT	BLE 1M	2480	Ant1	-47.75	-20	Pass

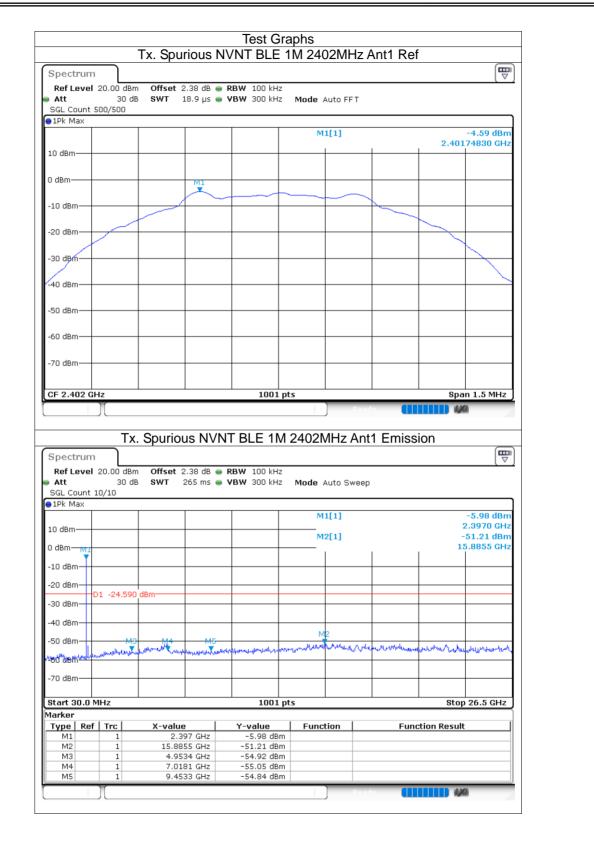


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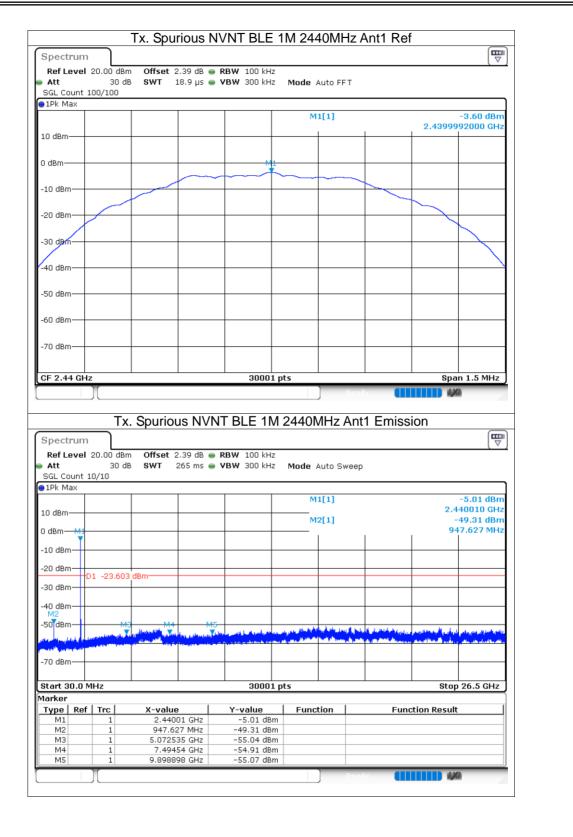
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Spectrum Ref Level	20.00 dBm	Offect 0	42 dB =	RBW 100 kH	2					
Att	20.00 dBm 30 dB			VBW 300 kH		uto FFT				
SGL Count	100/100									
1Pk Max				1		[1]			-9.46 dpm	
					[[M]	[1]		2.48000	-3.46 dBm 074500 GHz	
10 dBm										
0 dBm										
-10 dBm				~~~		~ `				
-10 dbiii										
-20 dBm										
-30 d8m										
-40 dBm										
-50 dBm										
-60 dBm									<u> </u>	
-70 dBm										
CF 2.48 GH	z			3000	1 pts			Spa	an 1.5 MHz	1
	II								1978.	
						Read	Y III			
		Courtier				Read				_
		Spuriou	ıs NVN	IT BLE 1	M 2480M	1Hz Ant	1 Emiss	ion		_
Spectrum	·	·				Read 1Hz Ant	1 Emiss	ion		_
Ref Level	20.00 dBm	Offset 2	2.42 dB 👄	RBW 100 kH	Iz			ion		-
-	20.00 dBm 30 dB	Offset 2	2.42 dB 👄		Iz			ion		-
Ref Level Att	20.00 dBm 30 dB	Offset 2	2.42 dB 👄	RBW 100 kH	iz Iz Mode A	uto Sweep		ion		-
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 2	2.42 dB 👄	RBW 100 kH	iz Iz Mode A				-4.46 dBm	-
Ref Level Att SGL Count	20.00 dBm 30 dB	Offset 2	2.42 dB 👄	RBW 100 kH	IZ Mode A	uto Sweep		2.4		-
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 2	2.42 dB 👄	RBW 100 kH	IZ Mode A	uto Sweep		2.4	-4.46 dBm 479720 GHz	-
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 2	2.42 dB 👄	RBW 100 kH	IZ Mode A	uto Sweep		2.4	-4.46 dBm 479720 GHz -51.22 dBm	-
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB	Offset 2	2.42 dB 👄	RBW 100 kH	IZ Mode A	uto Sweep		2.4	-4.46 dBm 479720 GHz -51.22 dBm	-
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB	Offset 2 SWT 2	2.42 dB 👄	RBW 100 kH	IZ Mode A	uto Sweep		2.4	-4.46 dBm 479720 GHz -51.22 dBm	-
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	20.00 dBm 30 dB 10/10	Offset 2 SWT 2	2.42 dB 👄	RBW 100 kH	IZ Mode A	uto Sweep		2.4	-4.46 dBm 479720 GHz -51.22 dBm	-
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB 10/10	Offset 2 SWT 2	2.42 dB 👄	RBW 100 kH	IZ Mode A	uto Sweep		2.4	-4.46 dBm 479720 GHz -51.22 dBm	-
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm	20.00 dBm 30 dB 10/10	Offset 2 SWT 2	2.42 dB 👄	RBW 100 kH	IZ Mode A	uto Sweep		2 21.9 	-4.46 dBm 479720 GHz -51.22 dBm	-
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 10/10	Offset 2 SWT 2	2.42 dB 👄	RBW 100 kH	IZ Mode A	uto Sweep		2.4	-4.46 dBm 479720 GHz -51.22 dBm	-
Ref Level Att SGL Count IPk Max 10 dBm -0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 30 dB 10/10	Offset 2 SWT 2	2.42 dB 👄	RBW 100 kH	Z Mode A M1 M2	uto Sweep		2 21.9 	-4.46 dBm 479720 GHz -51.22 dBm	-
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	20.00 dBm 30 dB 10/10	Offset 2 SWT 2	2.42 dB 👄	RBW 100 kH	Z Mode A M1 M2	uto Sweep		2 21.9 	-4.46 dBm 479720 GHz -51.22 dBm	-
Ref Level Att SGL Count IPk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -70 dBm	20.00 dBm 30 dB 10/10 D1 -23.463	Offset 2 SWT 2	2.42 dB 👄	RBW 100 kH	IZ IZ Mode A M1 M2	uto Sweep		2 21 M2	-4.46 dBm 479720 GHz -51.22 dBm 922455 GHz	-
Ref Level Att SGL Count IPk Max 10 dBm -0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	20.00 dBm 30 dB 10/10 D1 -23.463	Offset 2 SWT 2	2.42 dB 👄	RBW 100 kH	IZ IZ Mode A M1 M2	uto Sweep		2 21 M2	-4.46 dBm 479720 GHz -51.22 dBm	-
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30.0 f Marker Type	20.00 dBm 30 dB 10/10 D1 -23.463	dBm	42 dB	RBW 100 kH	Z Mode A	uto Sweep [[1] 2[1]		2 21 M2	-4.46 dBm 479720 GHz -51.22 dBm 922455 GHz	
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm Start 30.0 f Arker Type Ref M1	20.00 dBm 30 dB 10/10 D1 -23.463	Offset 2 SWT 2 dBm- dBm- M4		RBW 100 kH VBW 300 kH Image: State Stat	Z Mode A	uto Sweep [[1] 2[1]		2.4 21.9 M2	-4.46 dBm 479720 GHz -51.22 dBm 922455 GHz	
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30.0 f Marker Type M1 M2 M3	20.00 dBm 30 dB 10/10 D1 -23.463 M9 MHz MHz	Offset 2 SwT 2 dBm dBm x-value 2.4791 21.9224/ 5.03638	42 dB ● 265 ms ● 	RBW 100 kH VBW 300 kH 300 kH 300 kH 300 kH 4 kH 4 kH 4 kH 51.22 dB -51.22 dB -55.07 dB	Z Mode A	uto Sweep [[1] 2[1]		2.4 21.9 M2	-4.46 dBm 479720 GHz -51.22 dBm 922455 GHz	
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30.0 f Marker Type M1 M2 M3 M4	20.00 dBm 30 dB 10/10 D1 -23.463 M9 U(c):4 ¹⁰ c, 4 ¹⁰ MHz MHz 1 1 1 1	Offset 2 SWT 2 dBm dBm x-value 2.479 21.92244 5.03633 7.59600		RBW 100 kH VBW 300 kH 300 kH 300 kH 300 kH 300 kH 4.45 kH 4.46 kH -55.07 kH -55.07 kH -54.54 kH	Z Mode A	uto Sweep [[1] 2[1]		2.4 21.9 M2	-4.46 dBm 479720 GHz -51.22 dBm 922455 GHz	
Ref Level Att SGL Count IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm Start 30.0 f Marker Type M1 M2 M3	20.00 dBm 30 dB 10/10 D1 -23.463 M9 MHz MHz	Offset 2 SwT 2 dBm dBm x-value 2.4791 21.9224/ 5.03638		RBW 100 kH VBW 300 kH 300 kH 300 kH 300 kH 4 kH 4 kH 4 kH 51.22 dB -51.22 dB -55.07 dB	Z Mode A	uto Sweep [[1] 2[1]		2.4 21.9 M2	-4.46 dBm 479720 GHz -51.22 dBm 922455 GHz	

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8.2 **2M**:

8.2.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 2M	2402	Ant1	66.4	1.78	1.22
NVNT	BLE 2M	2440	Ant1	67.19	1.73	1.2
NVNT	BLE 2M	2480	Ant1	66.4	1.78	1.22

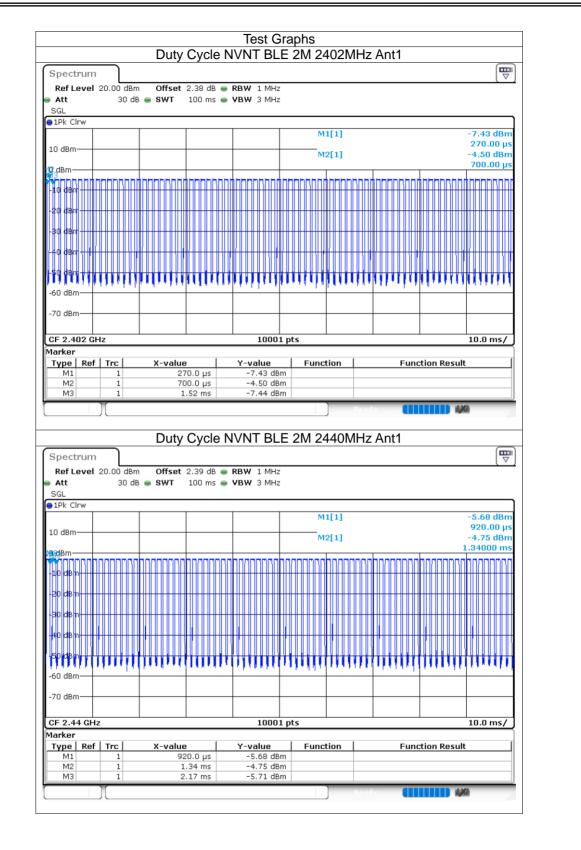


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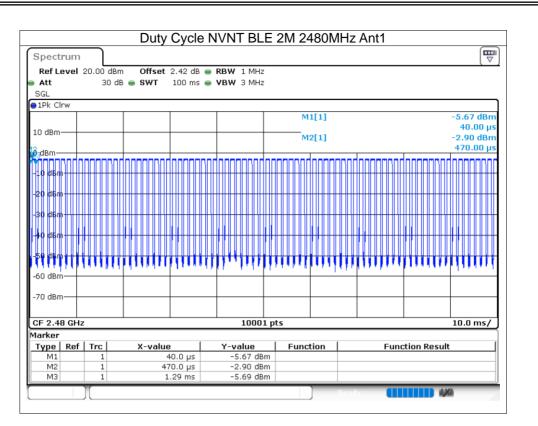
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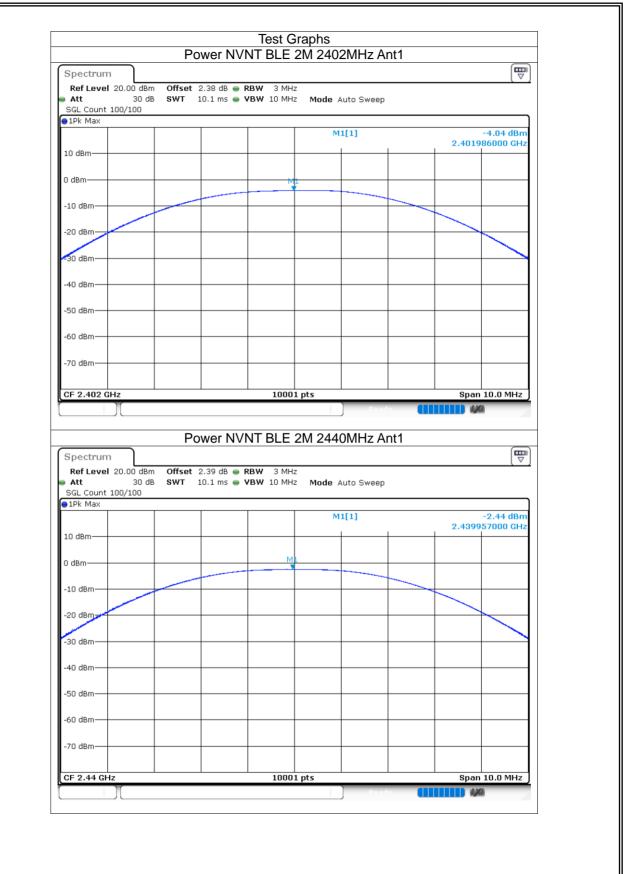


8.2.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	-4.04	30	Pass
NVNT	BLE 2M	2440	Ant1	-2.44	30	Pass
NVNT	BLE 2M	2480	Ant1	-2.5	30	Pass

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	Power NV	NT BLE 2M	2480MHz Ar	nt1		
Spectrum						
Ref Level 20.00 dBm	_					
Att 30 dB SGL Count 200/200	SWT 10.1 ms 👄 🕈	BW 10 MHz N	lode Auto Sweep			
• 1Pk Max						
			M1[1]		-2 2.479962	.50 dBm 000 GHz
10 dBm						
0 dBm		ML				
o dbiii						
-10 dBm						
-20 dBm						
-30 dBm						
-40 dBm						
-50 dBm						
-60 dBm						
-70 dBm						
CF 2.48 GHz		10001 pts			Span 10	.0 MHz
			Read	· •		

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8.2.3 -6dB Bandwidth

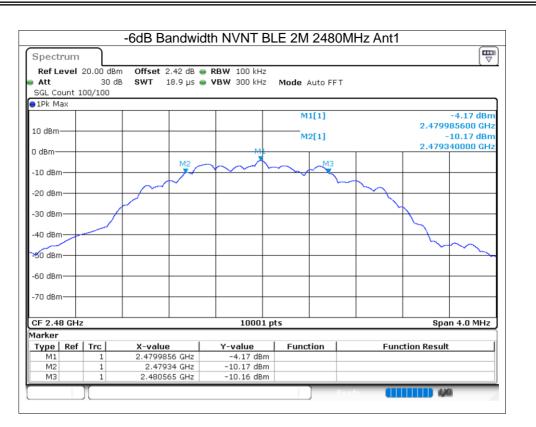
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 2M	2402	Ant1	1.236	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.144	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.225	0.5	Pass





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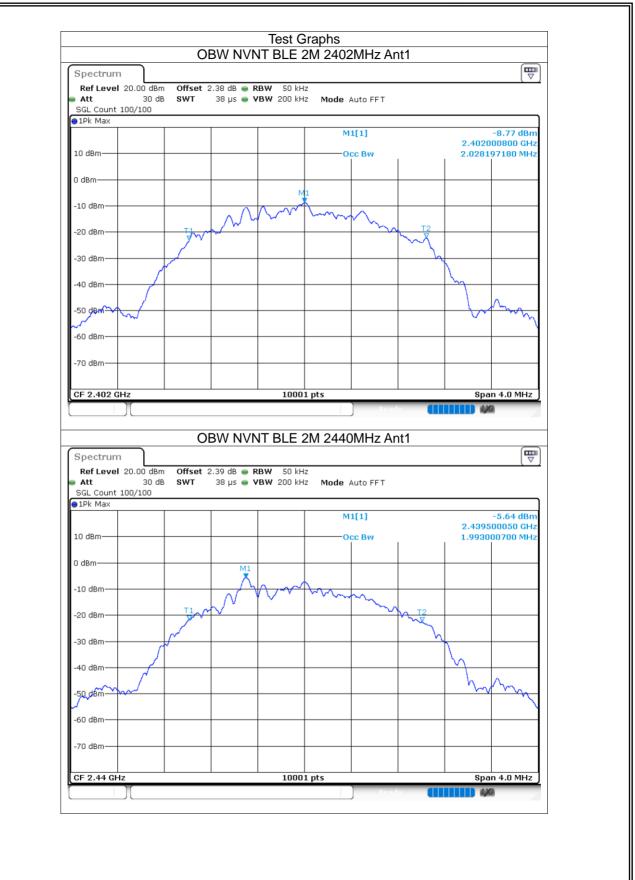




8.2.4 Occupied Channel Bandwidth

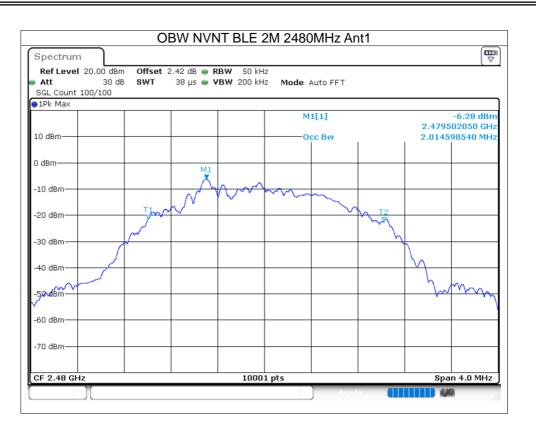
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 2M	2402	Ant1	2.028
NVNT	BLE 2M	2440	Ant1	1.993
NVNT	BLE 2M	2480	Ant1	2.015





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8.2.5 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	-24.23	8	Pass
NVNT	BLE 2M	2440	Ant1	-22.64	8	Pass
NVNT	BLE 2M	2480	Ant1	-22.67	8	Pass

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C a about			Test G NT BLE 2					
Spectrum Ref Level 20		set 2.38 dB 🧉	RBW 31-L	7				
🛛 Att	30 dB SW	τ 632.1 μs			Auto FFT			
SGL Count 100)/100							
				M	1[1]		-	24.23 dBm
10 dBm						1	2.4020	24100 GHz
0 dBm								
-10 dBm								
10 00.00								
-20 dBm				MT				
-30 dBm	www.utthe	Alexand march	moundation	4 los monorth	hoghlingholder	marching		
In the winder land	Joy Hyle Jeans Contraction						- When the fillenger	Mener here a
-40 dBm								1. And 1.
-50 dBm								
-60 dBm								
-70 dBm								
, o dbiii								
CF 2.402 GHz			1000	1 pts			Span :	1.854 MHz
					Read			
					Read			
		PSD NV	NT BLE 2	2M 2440	MHz Ar	nt1		
-					MHz Ar	nt1		
	1.00 dBm Offs	set 2.39 dB	● RBW 3 kH	Z		nt1		
Ref Level 20 Att SGL Count 100	30 dB SW		● RBW 3 kH	Z		nt1		
Ref Level 20 Att SGL Count 100	30 dB SW	set 2.39 dB	● RBW 3 kH	z z Mode .	Auto FFT	at1		
Ref Level 20 Att SGL Count 100 1Pk Max	30 dB SW	set 2.39 dB	● RBW 3 kH	z z Mode .		ht1		
Ref Level 20 Att SGL Count 100	30 dB SW	set 2.39 dB	● RBW 3 kH	z z Mode .	Auto FFT	ht1		
Ref Level 20 Att SGL Count 100 1Pk Max	30 dB SW	set 2.39 dB	● RBW 3 kH	z z Mode .	Auto FFT	nt1		
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm	30 dB SW	set 2.39 dB	● RBW 3 kH	z z Mode .	Auto FFT	ht1		
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm	30 dB SW	set 2.39 dB	● RBW 3 kH	z z Mode .	Auto FFT	ht1		
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm -10 dBm	30 dB SW 1/100	set 2.39 dB T 632.1 µs	RBW 3 kH VBW 10 kH	z Mode . Mode .	Auto FFT		2.4400	22.64 dBm 24190 GHz
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm -10 dBm	30 dB SW 1/100	set 2.39 dB T 632.1 µs	RBW 3 kH VBW 10 kH	z Mode . Mode .	Auto FFT		2.4400	22.64 dBm 24190 GHz
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm -10 dBm	30 dB SW	set 2.39 dB T 632.1 µs	RBW 3 kH VBW 10 kH	z Mode . Mode .	Auto FFT		2.4400	22.64 dBm 24190 GHz
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm -10 dBm	30 dB SW 1/100	set 2.39 dB T 632.1 µs	RBW 3 kH VBW 10 kH	z Mode . Mode .	Auto FFT		2.4400	22.64 dBm 24190 GHz
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	30 dB SW 1/100	set 2.39 dB T 632.1 µs	RBW 3 kH VBW 10 kH	z Mode . Mode .	Auto FFT		2.4400	22.64 dBm 24190 GHz
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	30 dB SW 1/100	set 2.39 dB T 632.1 µs	RBW 3 kH VBW 10 kH	z Mode . Mode .	Auto FFT		2.4400	22.64 dBm 24190 GHz
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	30 dB SW 1/100	set 2.39 dB T 632.1 µs	RBW 3 kH VBW 10 kH	z Mode . Mode .	Auto FFT		2.4400	22.64 dBm 24190 GHz
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	30 dB SW 1/100	set 2.39 dB T 632.1 µs	RBW 3 kH VBW 10 kH	z Mode . Mode .	Auto FFT		2.4400	22.64 dBm 24190 GHz
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	30 dB SW 1/100	set 2.39 dB T 632.1 µs	RBW 3 kH VBW 10 kH	z Mode . Mode .	Auto FFT		2.4400	22.64 dBm 24190 GHz
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	30 dB SW 1/100	set 2.39 dB T 632.1 µs	RBW 3 kH	z Mode . M	Auto FFT		2.4400	.22.64 dBm 24190 GHz
Ref Level 20 Att SGL Count 100 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	30 dB SW 1/100	set 2.39 dB T 632.1 µs	RBW 3 kH VBW 10 kH	z Mode . M	Auto FFT		2.4400	

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PSD	NVNT BLE 2M 2480MHz	
Spectrum		
Ref Level 20.00 dBm Offset 2.42	_	3
	µs 👄 VBW 10 kHz 🛛 Mode Auto FF	T
SGL Count 100/100 IPk Max		
	M1[1]	-22.67 dBm
		2.480024070 GHz
10 dBm		
0 dBm		
-10 dBm		
-20 dBm		
1 Malleyderlansmaller	happener and a strate all all and a service and the service of the	anthe manufacture of
-30 dBm		when man is have been adoughted for maller har har har har har har har har har ha
-40 dBm		
-50 dBm		
-50 080		
-60 dBm		
oo abiii		
-70 dBm		
	10001 mtr	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CF 2.48 GHz	10001 pts	Span 1.8375 MHz
八		Ready

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8.2.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 2M	2402	Ant1	-54.12	-20	Pass
NVNT	BLE 2M	2480	Ant1	-46.77	-20	Pass

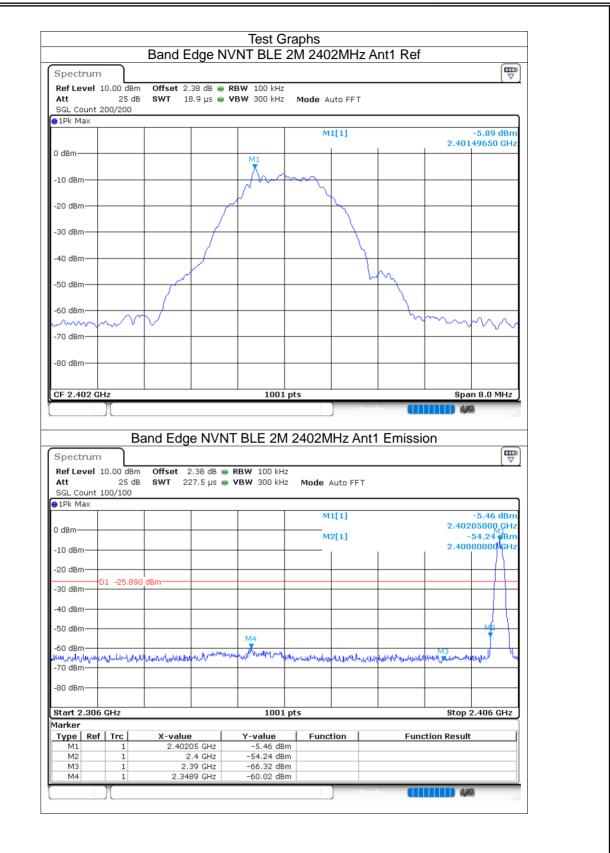


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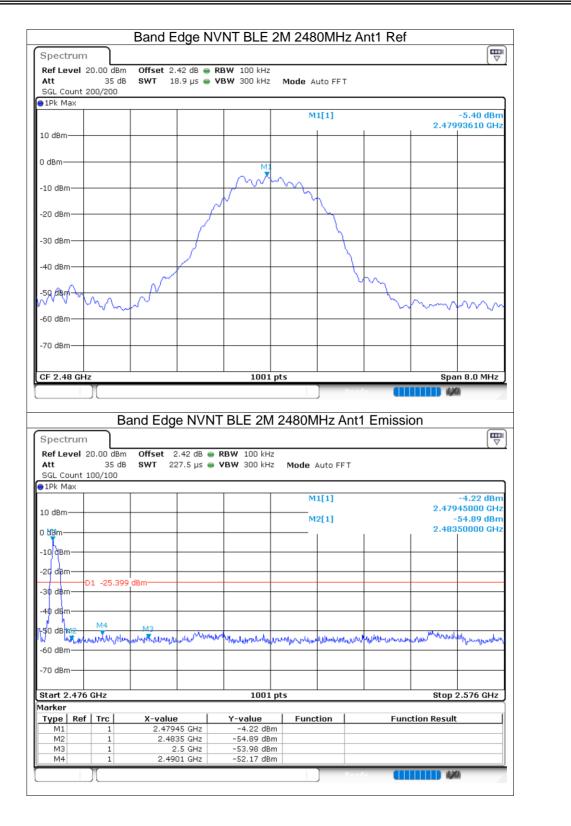
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8.2.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 2M	2402	Ant1	-45.52	-20	Pass
NVNT	BLE 2M	2440	Ant1	-47.62	-20	Pass
NVNT	BLE 2M	2480	Ant1	-47.48	-20	Pass

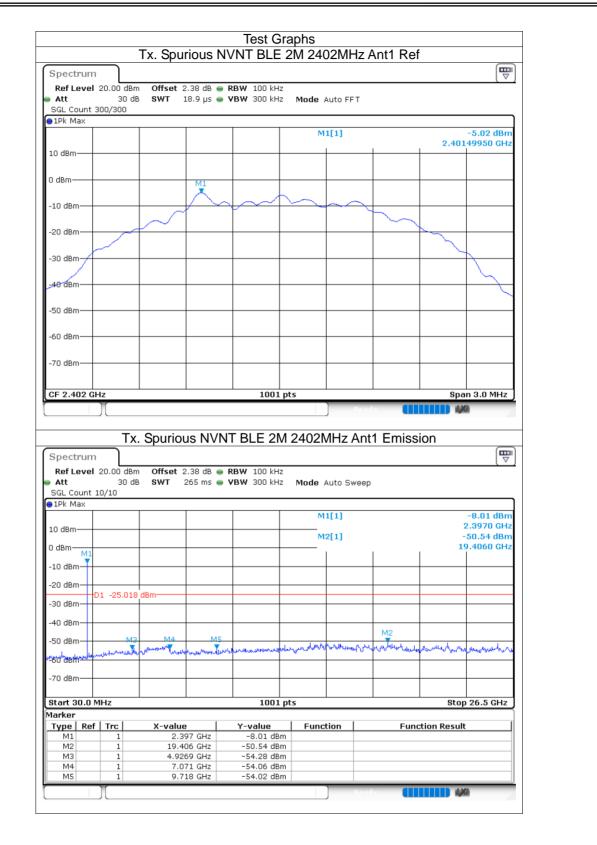


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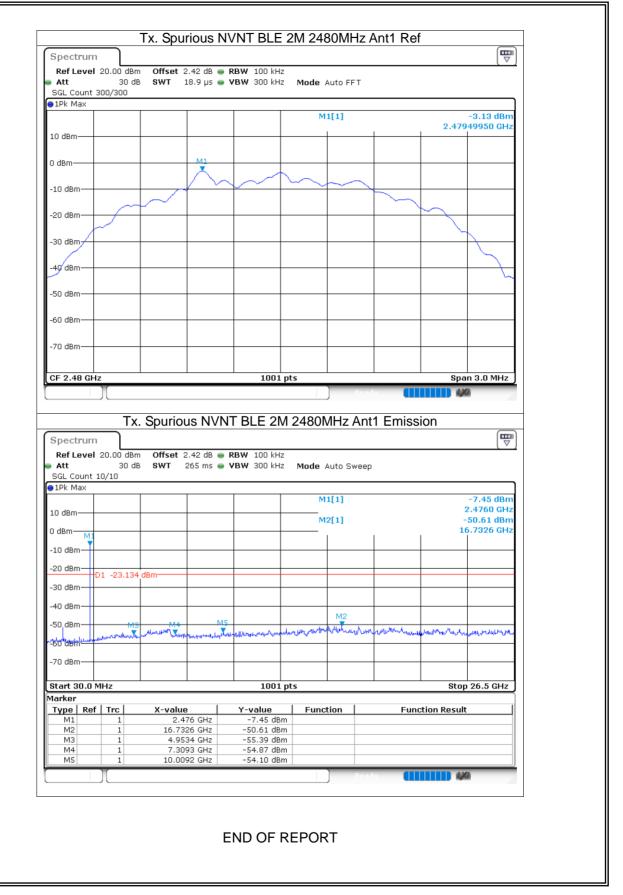




Poflour	n L I 20.00 dBr	n Offcot 0	20 db	RBW 100 kHz					
Att SGL Count	30 d			VBW 300 kHz		to FFT			
●1Pk Max	300/300								
					M1[1]			-3.18 dBm
10 - 10					1		1	2.439	949950 GHz
10 dBm									
0 dBm			M1						
			\mathbf{X}						
-10 dBm—					~~~	$\sim \sim$	~		
		\sim 1					\sim		
-20 dBm—								\sim	
-30 dBm									
-30 UBIII-									
-40 dBm				_					
-50 dBm		+		-					
-60 dBm									
-70 dBm									
CF 2.44 GI				1001	nts			See.	in 3.0 MHz
01 2.44 0	12			1001	pcs			орс	110.0 Miliz
Spectrur		. Spuriou	s NVN	NT BLE 2M	1 2440MI	Pool Hz Ant	1 Emiss	ion	
Ref Leve Att	n I 20.00 dBr 30 d	n Offset 2.	.39 dB 👄	NT BLE 2M	!		1 Emiss	ion	
Ref Leve Att SGL Count	n I 20.00 dBr 30 d	n Offset 2.	.39 dB 👄	RBW 100 kHz	!		1 Emiss	ion	
Ref Leve Att SGL Count	n I 20.00 dBr 30 d	n Offset 2.	.39 dB 👄	RBW 100 kHz	!	to Sweep	1 Emiss	ion	₩₩₩ ₩₩ -7.37 dBm
Ref Leve Att	n I 20.00 dBr 30 d	n Offset 2.	.39 dB 👄	RBW 100 kHz	: • Mode Au 	to Sweep 1]	1 Emiss		-7.37 dBm 2.4500 GHz
Ref Leve Att SGL Count 1Pk Max 10 dBm	n I 20.00 dBr 30 d	n Offset 2.	.39 dB 👄	RBW 100 kHz	: Mode Au	to Sweep 1]	1 Emiss		-7.37 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm	n I 20.00 dBr 30 d	n Offset 2.	.39 dB 👄	RBW 100 kHz	: • Mode Au 	to Sweep 1]	1 Emiss		-7.37 dBm 2.4500 GHz -50.81 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	n I 20.00 dBr 30 d	n Offset 2.	.39 dB 👄	RBW 100 kHz	: • Mode Au 	to Sweep 1]	1 Emiss		-7.37 dBm 2.4500 GHz -50.81 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm- 0 dBm- Mi -10 dBm- -20 dBm-	n I 20.00 dBr 30 d	n Offset 2. B SWT 2	.39 dB 👄	RBW 100 kHz	: • Mode Au 	to Sweep 1]	1 Emiss		-7.37 dBm 2.4500 GHz -50.81 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm	n 20.00 dBr 30 d 10/10	n Offset 2. B SWT 2	.39 dB 👄	RBW 100 kHz	: • Mode Au 	to Sweep 1]	1 Emiss		-7.37 dBm 2.4500 GHz -50.81 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm- 0 dBm- Mi -10 dBm- -20 dBm-	n 20.00 dBr 30 d 10/10	n Offset 2. B SWT 2	.39 dB 👄	RBW 100 kHz	: • Mode Au 	to Sweep 1] 1]	1 Emiss		-7.37 dBm 2.4500 GHz -50.81 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	n 30 d 30 d 10/10	n Offset 2. B SWT 2	39 dB ● 65 ms ●	RBW 100 kHz VBW 300 kHz		to Sweep 1] 1]		1	-7.37 dBm 2.4500 GHz -50.81 dBm
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 20.00 dBr 30 d 10/10	n Offset 2. B SWT 2	.39 dB 👄	RBW 100 kHz VBW 300 kHz	: • Mode Au 	to Sweep 1] 1]			-7.37 dBm 2.4500 GHz -50.81 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	n 30 d 30 d 10/10	n Offset 2. B SWT 2	39 dB ● 65 ms ●	RBW 100 kHz VBW 300 kHz		to Sweep 1] 1]		1	-7.37 dBm 2.4500 GHz -50.81 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 30 d 30 d 10/10	n Offset 2. B SWT 2	39 dB ● 65 ms ●	RBW 100 kHz VBW 300 kHz		to Sweep 1] 1]		1	-7.37 dBm 2.4500 GHz -50.81 dBm
Ref Leve Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	-D1 -23.18	n Offset 2. B SWT 2	39 dB ● 65 ms ●	RBW 100 kHz VBW 300 kHz	: Mode Au M1[to Sweep 1] 1]		1	-7.37 dBm 2.4500 GHz -50.81 dBm
Ref Level Att SGL Count ID dBm 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -70 dBm -70 dBm Start 30.0 Marker	D1 -23.18:	n Offset 2. B SWT 2	39 dB	RBW 100 kHz VBW 300 kHz	Mode Au M1[M2[M2[M2[M2[M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2] M2[M2] M2] M2[M2] M2] M2[M2] M2] M2] M2] M2] M2] M2] M2]	to Sweep 1] 1] 1] M2 M2	pry the state of t	,	-7.37 dBm 2.4500 GHz -50.81 dBm 7.7120 GHz
Ref Leve Att SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Marker Type	n 1 20.00 dBr 30 d 10/10 D1 -23.18: MHz MHz f Trc	n Offset 2. B SWT 2	39 dB	RBW 100 kHz VBW 300 kHz	: Mode Au M1[to Sweep 1] 1] 1] M2 M2	pry the state of t	1	-7.37 dBm 2.4500 GHz -50.81 dBm 7.7120 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Marker Type M1 M2	m I 20.00 dBr 30 d 10/10 -D1 -23.18: -D1 -23.18: 	n Offset 2. B SWT 2 	39 dB	RBW 100 kHz VBW 300 kHz VBW 300 kHz 100 kHz	: Mode Au M1[M2[M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2[M2] M2] M2[M2] M2] M2[M2] M2] M2[M2] M2] M2] M2[M2] M2] M2] M2] M2] M2] M2] M2]	to Sweep 1] 1] 1] M2 M2	pry the state of t	,	-7.37 dBm 2.4500 GHz -50.81 dBm 7.7120 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Marker Type Re M1 M2 M3	MHz f Trc 1 1 1 20.00 dBr 30 d 10/10 1 1 1 1 1 1	n Offset 2. B SWT 2 C dBm C	39 dB ● 65 ms ● 	RBW 100 kHz VBW 300 kHz VBW 300 kHz 100 kHz	: Mode Au M1[M2[to Sweep 1] 1] 1] M2 M2	pry the state of t	,	-7.37 dBm 2.4500 GHz -50.81 dBm 7.7120 GHz
Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -50 dBm -50 dBm -70 dBm Start 30.0 Marker Type M1 M2	m I 20.00 dBr 30 d 10/10 -D1 -23.18: -D1 -23.18: 	n Offset 2. B SWT 2 C dBm C	39 dB 65 ms 65 ms 5 GHz 2 GHz 3 GHz	RBW 100 kHz VBW 300 kHz VBW 300 kHz 100 kHz	: Mode Au M1[M2[to Sweep 1] 1] 1] M2 M2	pry the state of t	,	-7.37 dBm 2.4500 GHz -50.81 dBm 7.7120 GHz

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