



RADIO TEST REPORT FCC ID: 2AQRE-M90

Product: Smart POS Terminal Trade Mark: N/A Model No.: M90 Family Model: N/A Report No.: S24110606102002 Issue Date: Feb. 21, 2025

Prepared for

Fujian Morefun Electronic Technology Co., Ltd.

4F, 15BLD, Jinshan, Gaishan Town, Cangshan Area, Fuzhou, Fujian, 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

Tel. 0755-23200050 Website: http://www.ntek.org.cn





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1 TEST RESULT CERTIFICATION

Fujian Morefun Electronic Technology Co., Ltd.		
4F, 15BLD, Jinshan, Gaishan Town, Cangshan Area, Fuzhou, Fujian, China		
Fujian Morefun Electronic Technology Co., Ltd.		
4F, 15BLD, Jinshan, Gaishan Town, Cangshan Area, Fuzhou, Fujian, China		
Smart POS Terminal		
M90		
N/A		
S241106061002		
Nov. 06, 2024 ~ Feb. 21, 2025		

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.

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

Prepared By: Joe Yan (Project Engineer) By: Aaron Cheng (Superviser) Alex Li (Project Engineer) (Manager) (Supervisor)

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2 SUMMARY OF TEST RESULTS

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FCC Part15 (15.247), Subpart C							
Standard Section Test Item Verdict Remark							
15.207	PASS						
15.247 (a)(2) 6dB Bandwidth PASS							
15.247 (b)	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 POS Terminal				
Trade Mark N/A				
FCC ID	2AQRE-M90			
Model No.	M90			
Family Model	N/A			
Model Difference	N/A			
Operating Frequency	2402MHz~2480MHz			
Modulation	GFSK			
Number of Channels	40 Channels			
Antenna Type	FPC Antenna			
Antenna Gain	1.3 dBi			
Adapter	Model: DGL0502000LUS Input: 100-240V~50/60Hz 0.3A Output: 5.0V2.0A			
Battery	DC 7.6V, 2500mAh			
Power supply	DC 7.6V from battery or DC 5V from adapter			
HW Version	N/A			
SW Version	N/A			

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.

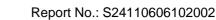




Revision History

Revision history					
Report No.	Version	Description	Issued Date		
S24110606102002	Rev.01	Initial issue of report	Feb. 21, 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:

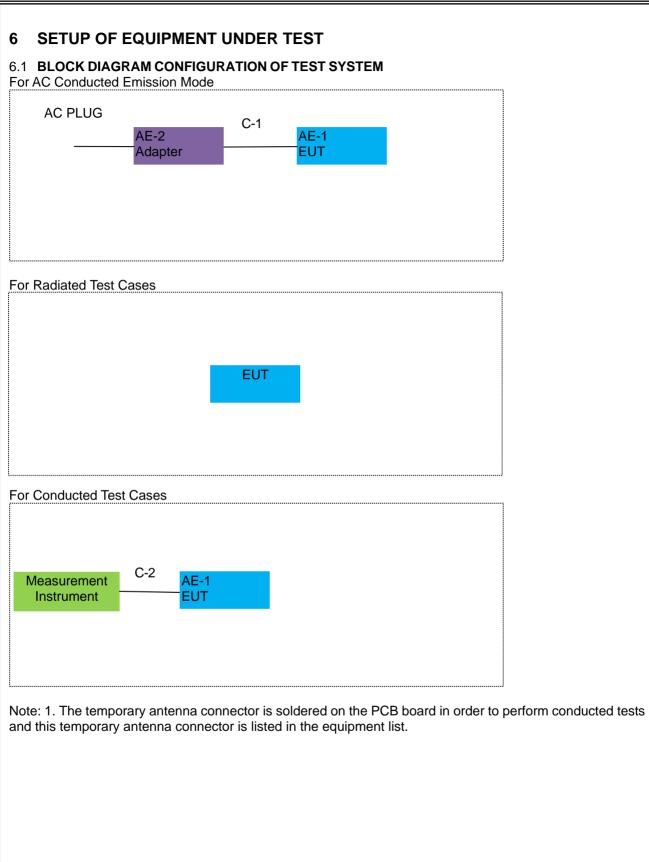
1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode

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 POS Terminal	M90	N/A	EUT
AE-2	Adapter	DGL0502000LUS	N/A	Peripherals

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

Notes:

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

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6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

adiatic		estequipment					
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	raditeq	RadiMation	2023.1.3	RadiatedTest
4	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

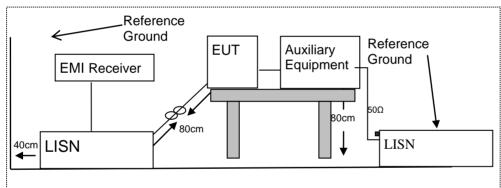
2. The lower limit shall apply at the transition frequencies

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.
- 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.





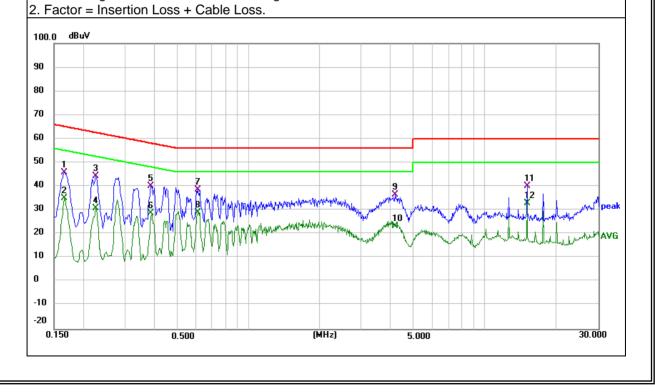
7.1.6 Test Results

EUT:	Smart POS Terminal	Model Name :	M90
Temperature:	23.7 ℃	Relative Humidity:	57.4%
Pressure:	1010hPa	Phase :	L
	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
0.1660	35.77	10.04	45.81	65.16	-19.35	QP
0.1660	24.93	10.04	34.97	55.16	-20.19	AVG
0.2260	34.17	10.16	44.33	62.60	-18.27	QP
0.2260	20.78	10.16	30.94	52.60	-21.66	AVG
0.3860	29.65	10.47	40.12	58.15	-18.03	QP
0.3860	18.24	10.47	28.71	48.15	-19.44	AVG
0.6100	27.61	10.92	38.53	56.00	-17.47	QP
0.6100	18.25	10.92	29.17	46.00	-16.83	AVG
4.1460	26.61	10.01	36.62	56.00	-19.38	QP
4.1460	13.37	10.01	23.38	46.00	-22.62	AVG
15.0340	28.24	11.86	40.10	60.00	-19.90	QP
15.0340	21.17	11.86	33.03	50.00	-16.97	AVG

Remark:

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







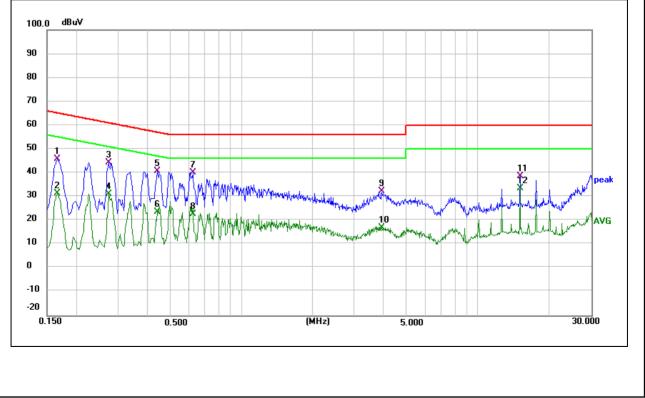
EUT:	Smart POS Terminal	Model Name :	M90
Temperature:	23.7 ℃	Relative Humidity:	57.4%
Pressure:	1010hPa	Phase :	N
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demerle
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1660	36.24	9.47	45.71	65.16	-19.45	QP
0.1660	21.88	9.47	31.35	55.16	-23.81	AVG
0.2740	34.67	9.65	44.32	61.00	-16.68	QP
0.2740	21.38	9.65	31.03	51.00	-19.97	AVG
0.4420	30.79	9.91	40.70	57.02	-16.32	QP
0.4420	13.70	9.91	23.61	47.02	-23.41	AVG
0.6220	29.86	10.22	40.08	56.00	-15.92	QP
0.6220	12.58	10.22	22.80	46.00	-23.20	AVG
3.9100	22.97	9.23	32.20	56.00	-23.80	QP
3.9100	7.81	9.23	17.04	46.00	-28.96	AVG
15.0340	27.64	11.06	38.70	60.00	-21.30	QP
15.0340	22.35	11.06	33.41	50.00	-16.59	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 OC 1 art 15.205, 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)

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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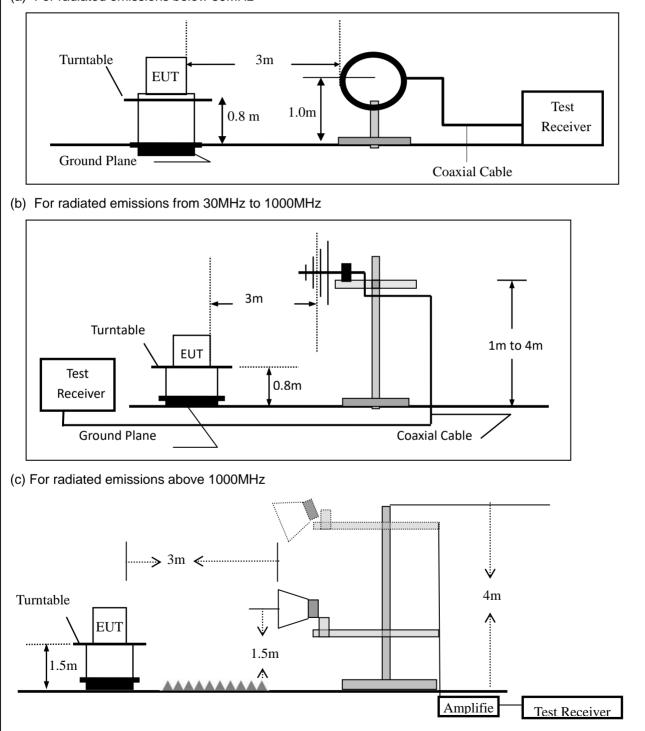


7.2.3 Measuring Instruments

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 POS Terminal	Model No.:	M90
Temperature:	20 ℃	Relative Humidity:	48%
Lest Mode.	Mode1/Mode2/Mode3/ Mode4	Test By:	Joe Yan

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

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



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

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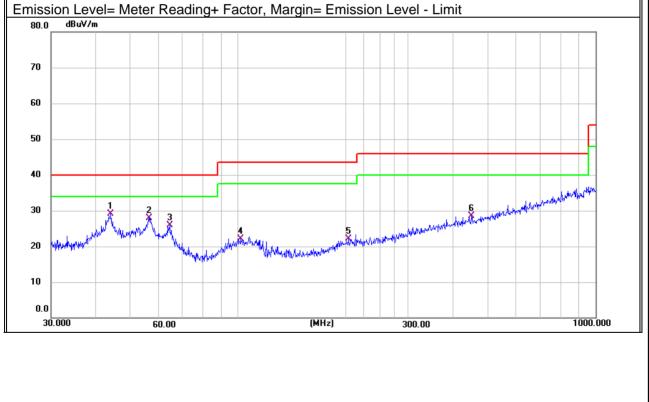
EUT:	Smart POS Terminal	Model Name :	M90
Temperature:	25.4 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Mode:	Mode 3 1Mbps
Test Voltage :	DC 7.6V		

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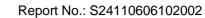
Certificate #4298.01

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark	
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)		
V	44.1200	9.94	19.17	29.11	40.00	-10.89	QP	
V	56.3950	8.71	19.11	27.82	40.00	-12.18	QP	
V	64.4330	8.14	17.70	25.84	40.00	-14.16	QP	
V	102.0010	4.35	17.74	22.09	43.50	-21.41	QP	
V	203.5230	4.56	17.64	22.20	43.50	-21.30	QP	
V	449.5560	5.03	23.39	28.42	46.00	-17.58	QP	

Remark:







Polar	Frequen	су	Meter Readin		Factor	Emiss Lev		Lim	its	Mar	gin	Re	emark
(H/V)	(MHz)		(dBuV)	(dB)	(dBu\	//m)	(dBu\	//m)	(d	B)		Jinan
Н	45.5350)	5.32		19.39	24.7	71	40.0	00	-15	.29		QP
Н	105.272	0	4.46		17.85	22.3	31	43.	50	-21	.19		QP
Н	193.094	0	5.28		17.27	22.5	55	43.	50	-20	.95		QP
Н	420.580	0	4.86		22.96	27.8	32	46.0	00	-18	.18		QP
Н	661.150	0	4.50		26.85	31.3	35	46.0	00	-14	.65		QP
Н	842.130	0	5.83		29.65	35.4	18	46.0	00	-10	.52		QP
	on Level= Me dBuV/m	eter R	eading+	Fac	tor, Margin			vei - Lin					1
70													-
60													
50						r							
40 -			ſ								-	5	
30	1			2		3		Laugh Hel Martin	A warden	Wardshing	A Marghan		
20 ₩	Abushatto of about the bold	Hillestenthalt	wanger le shigaran	- APP-ANN	and a second second	und any local for speeched	report of the second of	Mudoda					-
10 -													-
0.0													
30.0	000	60.0)0		(MHz)		300.00				1000	.000

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UT:	Emission Sm		Terminal		odel No.:		M90)		
emperature:	20				lative Humid	itv [.]	48%			
est Mode:			o2/Modo4		st By:	Joe Yan				
	t Mode: Mode2/Mode3/Mode4 Test						JUE	Tan		
Frequency	Read Level	Cable loss	Antenna Factor	Pream Factor		Lim	its	Margin	Remark	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ∖	//m)	(dB)	rtomant	Common
	、 . ,	. ,	Low Cha	nnel (24	02 MHz)(GFSł			3		
4804.80	68.26	5.21	35.59	44.30	64.76	74.	00	-9.24	Pk	Vertical
4804.80	52.39	5.21	35.59	44.30	48.89	54.	00	-5.11	AV	Vertical
7206.46	64.61	6.48	36.27	44.60	62.76	74.	00	-11.24	Pk	Vertical
7206.46	50.94	6.48	36.27	44.60	49.09	54.	00	-4.91	AV	Vertical
4804.98	68.26	5.21	35.55	44.30	64.72	74.	00	-9.28	Pk	Horizontal
4804.98	50.10	5.21	35.55	44.30	46.56	54.	00	-7.44	AV	Horizontal
7206.43	67.31	6.48	36.27	44.52	65.54	74.00		-8.46	Pk	Horizontal
7206.43	51.34	6.48	36.27	44.52	49.57	54.	00	-4.43	AV	Horizontal
			Mid Char	nnel (244	10 MHz)(GFSk	()Abo	ve 1G	3		
4880.48	67.52	5.21	35.66	44.20	64.19	74.	00	-9.81	Pk	Vertical
4880.48	50.65	5.21	35.66	44.20	47.32	54.	00	-6.68	AV	Vertical
7320.55	66.12	7.10	36.50	44.43	65.29	74.	00	-8.71	Pk	Vertical
7320.55	51.42	7.10	36.50	44.43	50.59	54.	00	-3.41	AV	Vertical
4880.19	64.11	5.21	35.66	44.20	60.78	74.	00	-13.22	Pk	Horizontal
4880.19	52.01	5.21	35.66	44.20	48.68	54.	00	-5.32	AV	Horizontal
7321.00	67.27	7.10	36.50	44.43	66.44	74.	00	-7.56	Pk	Horizontal
7321.00	51.03	7.10	36.50	44.43	50.20	54.	00	-3.80	AV	Horizontal
			High Cha	nnel (24	80 MHz)(GFSł	<) Abo	ove 10	G		
4960.20	68.89	5.21	35.66	44.20	65.56	74.	00	-8.44	Pk	Vertical
4960.20	50.47	5.21	35.66	44.20	47.14	54.	00	-6.86	AV	Vertical
7440.90	68.30	7.10	36.50	44.43	67.47	74.	00	-6.53	Pk	Vertical
7440.90	51.41	7.10	36.50	44.43	50.58	54.	00	-3.42	AV	Vertical
4960.09	67.59	5.21	35.66	44.20	64.26	74.	00	-9.74	Pk	Horizontal
4960.09	52.53	5.21	35.66	44.20	49.20	54.	00	-4.80	AV	Horizontal
7440.69	66.05	7.10	36.50	44.43	65.22	74.	00	-8.78	Pk	Horizontal
7440.69	52.54	7.10	36.50	44.43	51.71	54.	00	-2.29	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

NTEK 北测

2310.00

2310.00

2310.00

2310.00

2390.00

2390.00

2390.00

2390.00

2483.50

2483.50

2483.50

2483.50

66.31

45.45

67.58

44.34

65.69

45.39

65.00

45.10

65.08

44.11

66.01

46.92

2.97

2.97

2.97

2.97

3.14

3.14

3.14

3.14

3.58

3.58

3.58

3.58



– :	Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz											
EUT	:	Smart POS Terminal				Model No.:			M90			
Tem	perature:	ire: 20 ℃				Relative Humidity: 4			48%			
Test	t Mode: Mode2/ Mode4		Test	Test By:			Joe Yan					
				n	n							
	Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limi	its	Margin	Detector	Comment	
	(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV	//m)	(dB)	Туре		

1Mbps(GFSK)

53.28

32.42

54.55

31.31

52.24

31.94

51.55

31.65

52.36

31.39

53.29

34.20

74.00

54.00

74.00

54.00

74.00

54.00

74.00

54.00

74.00

54.00

74.00

54.00

-20.72

-21.58

-19.45

-22.69

-21.76

-22.06

-22.45

-22.35

-21.64

-22.61

-20.71

-19.80

Pk

AV

Pk

AV

Pk

AV

Pk

AV

Pk

AV

Pk

AV

Horizontal

Horizontal

Vertical

Vertical

Vertical

Vertical

Horizontal

Horizontal

Vertical

Vertical

Horizontal

Horizontal

43.80

43.80

43.80

43.80

43.80

43.80

43.80

43.80

44.00

44.00

44.00

44.00

27.80

27.80

27.80

27.80

27.21

27.21

27.21

27.21

27.70

27.70

27.70

27.70

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

UT:	Smart I	POS Terr	ninal	Model	No.:		M90			
emperature:	20 ℃		Relative Hu		e Humidit	y:	48%			
est Mode:	Mode2	Mode2/ Mode4			y:		Joe `	Yan		
Frequency	Reading Level	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Lim	nits	Margin	Detector	Comment
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµ	V/m)	(dB)	Туре	
3260	64.36	4.04	29.57	44.70	53.27	74.	.00	-20.73	Pk	Vertical
3260	46.35	4.04	29.57	44.70	35.26	54.	.00	-18.74	AV	Vertical
3260	67.43	4.04	29.57	44.70	56.34	74.	.00	-17.66	Pk	Horizonta
3260	45.22	4.04	29.57	44.70	34.13	54.	.00	-19.87	AV	Horizontal
3332	65.84	4.26	29.87	44.40	55.57	74.	.00	-18.43	Pk	Vertical
3332	46.09	4.26	29.87	44.40	35.82	54.	.00	-18.18	AV	Vertical
3332	68.27	4.26	29.87	44.40	58.00	74.	.00	-16.00	Pk	Horizontal
3332	45.12	4.26	29.87	44.40	34.85	54.	.00	-19.15	AV	Horizontal
17797	52.14	10.99	43.95	43.50	63.58	74.	.00	-10.42	Pk	Vertical
17797	34.77	10.99	43.95	43.50	46.21	54.	.00	-7.79	AV	Vertical
17788	53.01	11.81	43.69	44.60	63.91	74.	.00	-10.09	Pk	Horizontal
17788	33.82	11.81	43.69	44.60	44.72	54.	.00	-9.28	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 POS Terminal	Model No.:	M90
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Joe Yan





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 POS Terminal	Model No.:	M90
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Joe Yan





7.5 PEAK OUTPUT POWER

7.5.1 Applicable Standard

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

Certificate #4298.01

7.5.2 Conformance Limit

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

7.5.3 Measuring Instruments

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

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

The testing follows Subclause 11.9.1.1 of ANSI C63.10 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating in controlled its channel. Use the following spectrum analyzer settings: Set the RBW \geq DTS bandwidth. Set VBW =3*RBW. Set the span \geq 3*RBW Set Sweep time = auto couple. Set Detector = peak. Set Trace mode = max hold. Allow trace to fully stabilize. Use peak marker function to determine the peak amplitude level.

7.5.6 Test Results

EUT:	Smart POS Terminal	Model No.:	M90
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Joe Yan



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 POS Terminal	Model No.:	M90
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/Mode3/Mode4	Test By:	Joe Yan



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 POS Terminal	Model No.:	M90
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	Mode2/Mode4	Test By:	Joe Yan





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: 1.3 dBi). It comply with the standard requirement.





8 TEST RESULTS

8.1 **1M:**

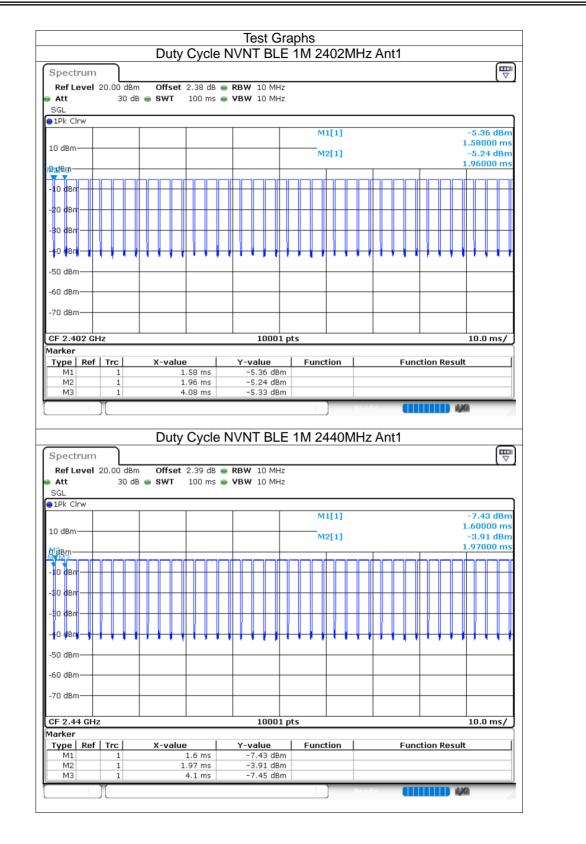
8.1.1 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	85.2	0.7	0.47
NVNT	BLE 1M	2440	Ant1	85.6	0.68	0.47
NVNT	BLE 1M	2480	Ant1	85.6	0.68	0.47

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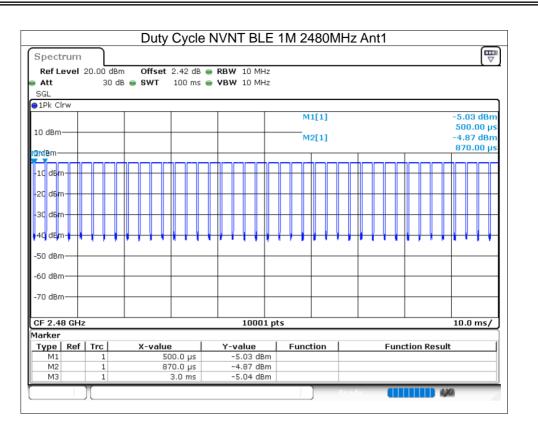
Report No.: S24110606102002



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Report No.: S24110606102002



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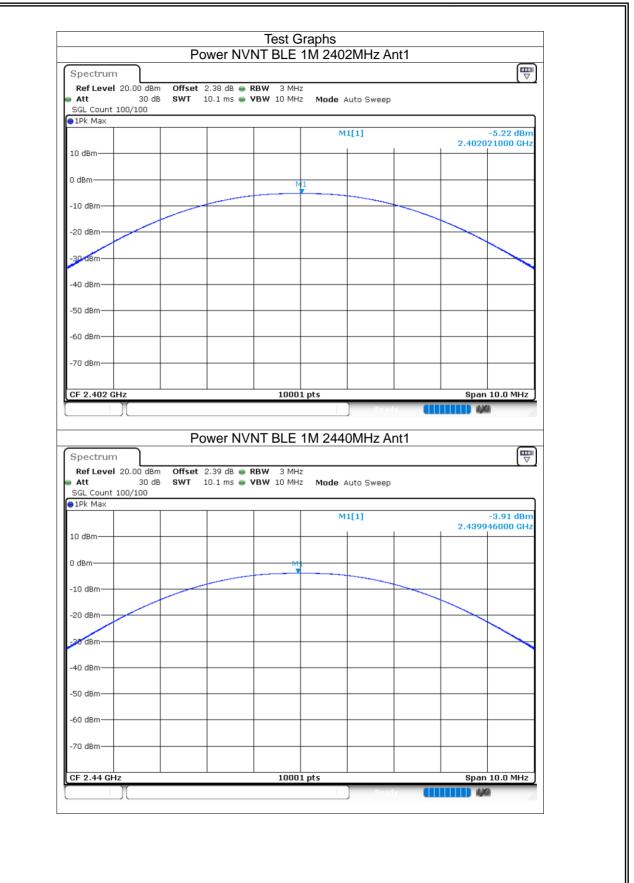


8.1.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-5.22	30	Pass
NVNT	BLE 1M	2440	Ant1	-3.91	30	Pass
NVNT	BLE 1M	2480	Ant1	-4.85	30	Pass

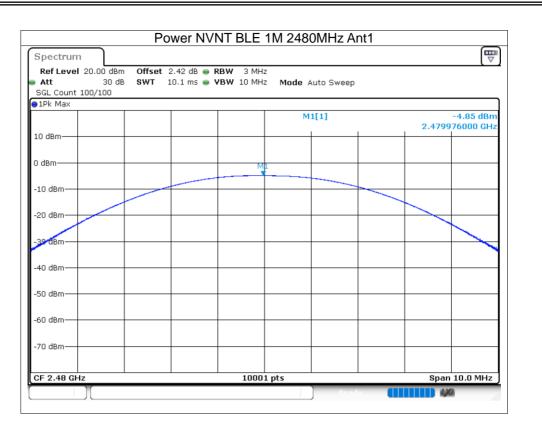
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8.1.3 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.656	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.665	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.664	0.5	Pass





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Spectrum								₽
Ref Level 20		Offset 2.42	dB 👄 RBW 10	10 kHz				L.
Att	30 dE		μs 👄 VBW 30		Mode Auto FFT			
SGL Count 100)/100							
1Pk Max								
					M1[1]			-5.38 dBm
.0 dBm							2.4802	46380 GHz
U UBIII					M2[1]			11.38 dBm
dBm					MI		2.4796	59000 GHz
				4	•			
10 dBm		M:		~~	M3			
20 dBm —						- <u>~</u>		
	/							
30 dBm							\sim	
40 dBm								
50 dBm								
60 dBm								
oo abiii								
70 dBm								
F 2.48 GHz			1	.0001 pts			Sna	n 2.0 MHz
larker			-	ooor pt	-			
Type Ref '	Trc	X-value	Y-val	ue	Function	Fund	tion Result	
M1	1	2.48024638 G		38 dBm				
M2	1	2.479659 G	Hz -11.3	38 dBm				
M3	1	2.480323 G	Hz -11.3	38 dBm				

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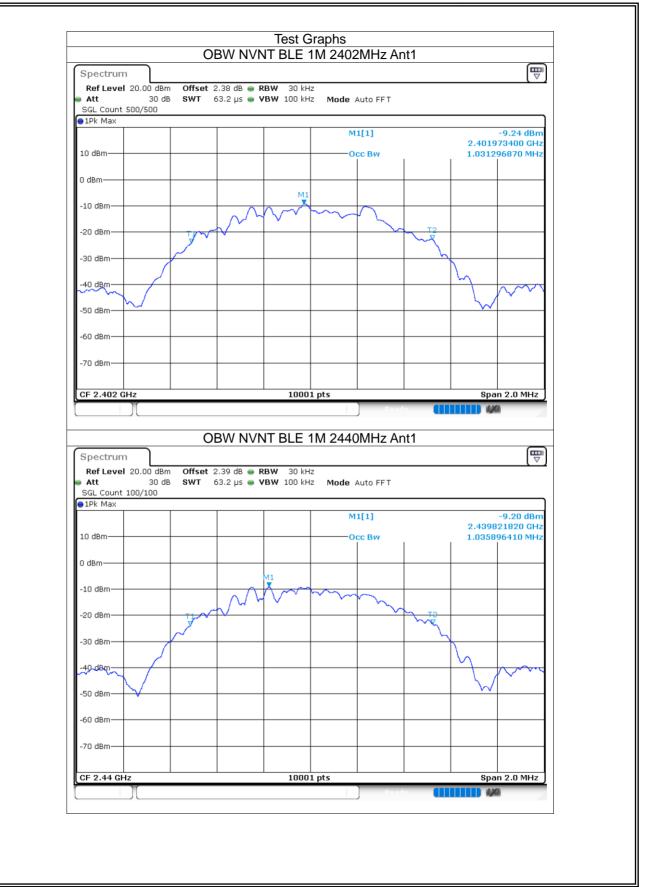




8.1.4 Occupied Channel Bandwidth

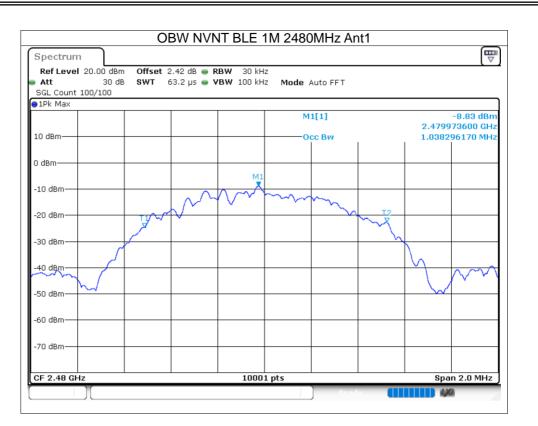
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.031
NVNT	BLE 1M	2440	Ant1	1.036
NVNT	BLE 1M	2480	Ant1	1.038





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8.1.5 Maximum Power Spectral Density Level

Condit	ion Mo	de	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVN	T BLE	1M	2402	Ant1	-22.05	0	-22.05	8	Pass
NVN [®]	T BLE	1M	2440	Ant1	-20.76	0	-20.76	8	Pass
NVN ⁻	T BLE	1M	2480	Ant1	-21.66	0	-21.66	8	Pass

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	_	P		NI BLE '	Graphs 1M 2402		11		
Spectrun									
Ref Level Att	l 20.00 dBm 30 dB			RBW 3 kH	iz Iz Mode i				
SGL Count	1000/1000			. DR 10 KF	- moue	Sato r'E I			
●1Pk Max						1[1]			22.05 dDm
					^M	1[1]			-22.05 dBm 328960 GHz
10 dBm									
0 dBm									
0 00									
-10 dBm—									
-20 dBm			M1						
-20 0811		a second c	mount	margara	mound	warm	NOL0.01.		
-30 dBm	Mann	mulan					whomp	www.	V.0.0.
									W WWWWY
-40 dBm									
-50 dBm									
-60 dBm									
-70 dBm									
CF 2.402 0	Hz			100	l pts	1		Span	984.0 kHz
)[Read		1111) Ø	0
	_	P	SD NVN		1M 2440)MHz An	it1		
Spectrun Ref Level)MHz Ar	it1		
Ref Level	l 20.00 dBm 30 dB	Offset	2.39 dB 👄	RBW 3 k⊦			ıt1		
Ref Level Att SGL Count	l 20.00 dBm 30 dB	Offset	2.39 dB 👄	RBW 3 k⊦	łz		it1		
Ref Level Att SGL Count	l 20.00 dBm 30 dB	Offset	2.39 dB 👄	RBW 3 k⊦	iz Iz Mode i		it1		-20.76 dBm
Ref Level Att SGL Count	l 20.00 dBm 30 dB	Offset	2.39 dB 👄	RBW 3 k⊦	lz Iz Mode .	Auto FFT	ht1		
Ref Level Att SGL Count 1Pk Max	l 20.00 dBm 30 dB	Offset	2.39 dB 👄	RBW 3 k⊦	lz Iz Mode .	Auto FFT	t1		-20.76 dBm
Ref Level Att SGL Count 1Pk Max	l 20.00 dBm 30 dB	Offset	2.39 dB 👄	RBW 3 k⊦	lz Iz Mode .	Auto FFT	it1		-20.76 dBm
Ref Level Att SGL Count 1Pk Max	l 20.00 dBm 30 dB	Offset	2.39 dB 👄	RBW 3 k⊦	lz Iz Mode .	Auto FFT	it1		-20.76 dBm
Ref Level Att SGL Count PIPk Max 10 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Mode . Mode .	Auto FFT		2.4398	-20.76 dBm 128600 GHz
Ref Level Att SGL Count PIPk Max 10 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Mode . Mode .	Auto FFT		2.4398	-20.76 dBm 128600 GHz
Ref Level Att SGL Count PIPk Max 10 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Mode . Mode .	Auto FFT		2.4398	-20.76 dBm 128600 GHz
Ref Level Att SGL Count PIPk Max 10 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Mode . Mode .	Auto FFT	t1	2.4398	-20.76 dBm 128600 GHz
Ref Level Att SGL Count PIPk Max 10 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Mode . Mode .	Auto FFT		2.4398	-20.76 dBm 128600 GHz
Ref Level Att SGL Count PIPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Mode . Mode .	Auto FFT		2.4398	-20.76 dBm 128600 GHz
Ref Level Att SGL Count PIPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Iz Mode . M	Auto FFT		2.4398	-20.76 dBm 128600 GHz
Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Iz Mode . M	Auto FFT		2.4398	-20.76 dBm 128600 GHz
Ref Level Att SGL Count PIPk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Iz Mode . M	Auto FFT		2.4398	-20.76 dBm 128600 GHz
Ref Level Att SGL Count PIPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Iz Mode . M	Auto FFT		2.4398	-20.76 dBm 128600 GHz
Ref Level Att SGL Count 9 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Mode . M	Auto FFT		2.4396	20.76 dBm 228600 GHz
Ref Level Att SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -60 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Iz Mode . M	Auto FFT		2.439E	20.76 dBm 228600 GHz
Ref Level Att SGL Count SGL Count ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm -70 dBm	1 20.00 dBm 30 dB 1000/1000	Offset SWT t	2.39 dB • 532.1 µs •	RBW 3 kH VBW 10 kH	iz Mode . M	Auto FFT		2.4396	20.76 dBm 228600 GHz

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PSD NVNT	BLE 1M 2480MHz Ant1	
Spectrum		
Ref Level 20.00 dBm Offset 2.42 dB 👄 RE		
) Att 30 dB SWT 631.9 μs 👄 VI SGL Count 1000/1000	W 10 kHz Mode Auto FFT	
1Pk Max		
	M1[1]	-21.66 dBm
10 dBm		2.479828860 GHz
0 dBm		
-10 dBm		
-20 dBm		
-30 dBm	www.man	Marine.
-30 dBm		and a share all all and a share and a share a
		mound
-40 dBm		
-50 dBm		
-60 dBm		
-70 dBm		
CF 2.48 GHz	1001 pts	Span 996.0 kHz

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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	-53.29	-20	Pass
NVNT	BLE 1M	2480	Ant1	-55.21	-20	Pass

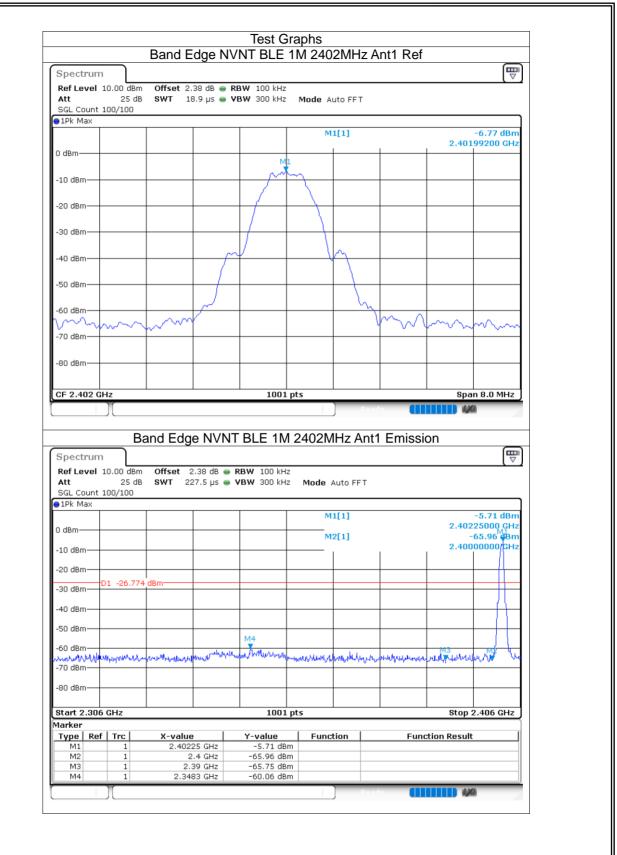


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	ount 1		n Offset 2. 3 SWT 18		BW 100 kHz BW 300 kHz		uto FFT			
1Pk M	ax					м	1[1]		0.400	-6.16 dBm
) dBm–	-				м	1			2.480	00000 GHz
10 dBn	-		_		m l	5				
20 dBn										
30 dBn	1						~			
40 dBn	ا ا						\frown			
50 dBn	1						\vdash			
60 dBn	-			~			ert			
₩~~ 70 dBn	M	$\sim \sim$	m m					m	~~~~	\sim
80 dBn										
CF 2.4	B GH:	z			1001	pts			Spa	n 8.0 MHz
Spect			and Edg	• • • • • • • •		1210010				
-			n Offset 2	2.42 dB 👄 F	RBW 100 kH:	z			-	
Ref Le Att	vel 1				RBW 100 kH: /BW 300 kH:		Auto FFT		-	
Ref Le Att SGL Co	vel 1 ount 1	10.00 dBn 25 dB				z Mode /			-	-6.22 dBm
Ref Le Att SGL Co 1Pk M	vel 1 ount 1	10.00 dBn 25 dB				Z Mode / M	Auto FFT 1[1] 2[1]		2.480	
Ref Le Att SGL Co IPk M	vel 1 ount 1 ax	10.00 dBn 25 dB				Z Mode / M	1[1]		2.480	-6.22 dBm 05000 GHz
Ref Le Att SGL Co 1Pk M 0 dBm- 10 dBm 20 dBn	vel 1 ount 1 ax	10.00 dBn 25 dE 100/100	3 SWT 22			Z Mode / M	1[1]		2.480	-6.22 dBm 05000 GHz 61.37 dBm
Ref Le Att SGL Cc 1Pk M 1Pk M 0 dBm - 20 dBm - 20 dBm - 30 dBm		10.00 dBn 25 dB	3 SWT 22			Z Mode / M	1[1]		2.480	-6.22 dBm 05000 GHz 61.37 dBm
Ref Le Att SGL Co 1Pk M 0 dBm 10 dBm 20 dBm 30 dBn 30 dBn 40 dBn		10.00 dBn 25 dE 100/100	3 SWT 22			Z Mode / M	1[1]		2.480	-6.22 dBm 05000 GHz 61.37 dBm
Ref Le Att SGL Cc 1Pk M 0 dBm 20 dBm 20 dBm 30 dBm 40 dBm 50 dBm		10.00 dBn 25 dE 100/100	8 dBm	27.5 μs • Υ	/BW 300 kH:	Z Mode /	1[1] 2[1]		2.480 - 2.483	-6.22 dBm 05000 GHz -61.37 dBm -50000 GHz
Ref Le Att SGL Cc 1Pk M 0 dBm 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm		10.00 dBn 25 dE 100/100	8 dBm	27.5 μs • Υ		Z Mode /	1[1]		2.480 - 2.483	-6.22 dBm 05000 GHz 61.37 dBm
Ref Le Att SGL Cc IPk M O dBm 20 dBm 20 dBm 30 dBm 40 dBm 50 dBm 60 dBm		10.00 dBm 25 df 100/100	8 dBm	27.5 μs • Υ	/BW 300 kH:	Z Mode /	1[1] 2[1]		2.480 - 2.483	-6.22 dBm 05000 GHz -61.37 dBm -50000 GHz
Ref Le Att SGL Cc 1Pk M 0 dBm- 10 dBm 20 dBm 30 dBm 40 dBm 50 dBm 60 dBm		10.00 dBm 25 dE 100/100	8 dBm	27.5 μs • Υ	אשע 300 kH:	Mode /	1[1] 2[1]		2.480 - 2.483	-6.22 dBm 05000 GHz -61.37 dBm -50000 GHz
Ref Le Att SGL CC SIPK M 0 dBm- 10 dBm- 10 dBm- 20 dBm- 20 dBm- 30 dBm- 50 dBm 50 dBm 70 dBm 80 dBm 80 dBm		0.00 dBm 25 dE 100/100 01 -26.15	8 dBm	27.5 μs • Υ	אפע 300 kH:	z Mode / 	1[1] 2[1] 		2.480 2.483	-6.22 dBm 05000 GHz -61.37 dBm -50000 GHz
Ref Le Att SGL Cc 1PK M 0 dBm- 10 dBm 20 dBm 30 dBm 30 dBm 50 dBm 60 dBm 70 dBm 80 dBm 80 dBm 80 dBm 80 dBm		0.00 dBm 25 dE 100/100 01 -26.15	3 SWT 22	27.5 μs • Υ	אשע 300 kH:	z Mode / 	1[1] 2[1] 		2.480 - 2.483	-6.22 dBm 05000 GHz -61.37 dBm -50000 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	-45.01	-20	Pass
NVNT	BLE 1M	2440	Ant1	-44.71	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.8	-20	Pass



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Report No.: S24110606102002





Ref Level 10.00 dE Att 30	3m Offset 2.39 dB 👄 dB SWT 18.9 μs 👄		Mode Auto FFT			
1Pk Max						
			M1[1]		0.4400	-5.71 dBm
) dBm					2.4400	793470 GHz
			M1			
-10 dBm						
-20 dBm						
-30 dBm						
-40 dBm						
50 dBm						
-60 dBm		+				┼───┨│
-70 dBm						
-80 dBm						
CF 2.44 GHz		30001 pt	s		Spa	an 1.5 MHz
Spectrum	x. Spurious NVN		2440MHz A	nt1 Emiss	ion	
Spectrum Ref Level 10.00 dE Att 30	·	RBW 100 kHz			ion	
Spectrum Ref Level 10.00 dE Att 30 SGL Count 20/20	3m Offset 2.39 dB 👄	RBW 100 kHz	Mode Auto Swe		ion	
Spectrum Ref Level 10.00 dE Att 30 SGL Count 20/20 DIPk Max	3m Offset 2.39 dB 👄	RBW 100 kHz				-4.99 dBm
Spectrum Ref Level 10.00 dE Att 30 SGL Count 20/20 1Pk Max 0 dBm M3	3m Offset 2.39 dB 👄	RBW 100 kHz	Mode Auto Swe		2.4	-4.99 dBm 440010 GHz -50.43 dBm
Spectrum Ref Level 10.00 dE Att 30 o SGL Count 20/20 91Pk Max 0 dBm Ma -10 dBm	3m Offset 2.39 dB 👄	RBW 100 kHz	Mode Auto Swe M1[1]		2.4	-4.99 dBm 440010 GHz
Spectrum Ref Level 10.00 dE Att 30 s SGL Count 20/20 1Pk Max 0 dBm 42 -10 dBm - 20 dBm	Bm Offset 2.39 dB dB SWT 265 ms	RBW 100 kHz	Mode Auto Swe M1[1]		2.4	-4.99 dBm 440010 GHz -50.43 dBm
Spectrum Ref Level 10.00 dE	Bm Offset 2.39 dB dB SWT 265 ms	RBW 100 kHz	Mode Auto Swe M1[1]		2.4	-4.99 dBm 440010 GHz -50.43 dBm
Spectrum Ref Level 10.00 dE Att 30 SGL Count 20/20 PIPK Max 0 dBm Max 10 dBm 20 dBm -20 dBm D1 -25.70	Bm Offset 2.39 dB dB SWT 265 ms	RBW 100 kHz	Mode Auto Swe M1[1]		2.4	-4.99 dBm 440010 GHz -50.43 dBm
Spectrum Ref Level 10.00 dE Att 30 dE SGL Count 20/20 PIPk Max 30 dBm 10 dBm 40 dBm 30 dBm 01 -25.70 40 dBm 40 dBm	3m Offset 2.39 dB ● dB SWT 265 ms ●	RBW 100 kHz VBW 300 kHz	Mode Auto Swe		2	-4.99 dBm t40010 GHz -50.43 dBm 127789 GHz
Spectrum Ref Level 10.00 dE Att 30 / SGL Count 20/20 PIPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	3m Offset 2.39 dB ● dB SWT 265 ms ●	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	ер 	2 20.:	-4.99 dBm 440010 GHz -50.43 dBm
Spectrum Ref Level 10.00 dE Att 30 SGL Count 20/20 11Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm	3m Offset 2.39 dB ● dB SWT 265 ms ●	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	еер 	2 20.:	-4.99 dBm t40010 GHz -50.43 dBm 127789 GHz
Spectrum Ref Level 10.00 dE Att 30 i SGL Count 20/20 01Pk Max 0 dBm Max 10 dBm	3m Offset 2.39 dB ● dB SWT 265 ms ●	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	еер 	2 20.:	-4.99 dBm t40010 GHz -50.43 dBm 127789 GHz
Spectrum Ref Level 10.00 dE Att 30 SGL Count 20/20 11Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm	3m Offset 2.39 dB ● dB SWT 265 ms ●	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	еер 	2 20.:	-4.99 dBm t40010 GHz -50.43 dBm 127789 GHz
Spectrum Ref Level 10.00 de Att SGL Count 20/20 PIPk Max 0 dBm 10 dBm 20 dBm 20 dBm 91 - 25.70 30 dBm 40 dBm 50 dBm 70 dBm 80 dBm	3m Offset 2.39 dB ● dB SWT 265 ms ●	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	еер 	2	-4.99 dBm t40010 GHz -50.43 dBm 127789 GHz
Spectrum Ref Level 10.00 dE Att 30 dS SGL Count 20/20 PK Max 0 dBm 40 dBm 20 dBm 01 -25.70 30 dBm 01 -25.70 30 dBm 40 dBm 50 dBm Max 70 dBm Max 80 dBm Max 30 dBm Max 30 dBm Max 40 dBm Max 50 dBm Max 70 dBm Max 80 dBm Max Start 30.0 MHz Max	Am Offset 2.39 dB dB SWT 265 ms	RBW 100 kHz VBW 300 kHz	Mode Auto Swe M1[1] M2[1] 	еер 	2 20.:	-4.99 dBm 440010 GHz -50.43 dBm 127789 GHz
Spectrum Ref Level 10.00 dE Att 30 r SGL Count 20/20 IPk Max 0 dBm 40 -10 dBm	3m Offset 2.39 dB ● dB SWT 265 ms ●	RBW 100 kHz VBW 300 kHz	Mode Auto Swe	еер 	2	-4.99 dBm 440010 GHz -50.43 dBm 127789 GHz
Spectrum Ref Level 10.00 dE Att 30 i SGL Count 20/20 IPk Max D dBm 40 -10 dBm	Bm Offset 2.39 dB Image: Constraint of the second seco	RBW 100 kHz VBW 300 kHz	Mode Auto Swe M1[1] M2[1] 	еер 	2 20.:	-4.99 dBm 440010 GHz -50.43 dBm 127789 GHz
Spectrum Ref Level 10.00 dE Att 30 r SGL Count 20/20 01Pk Max 0 dBm Max 10 dBm Max 20 dBm D1 -25.70 30 dBm D1 -25.70 30 dBm S0 dBm 40 dBm Max 50 dBm Max 70 dBm S0 dBm 80 dBm Max 80 dBm Max 70 dBm Start 30.0 MHz Iarker Max	3m Offset 2.39 dB dB SWT 265 ms 305 dBm 315 dBm 32 M4 33 M4 34 M5 35 M4 36 M4 37 M4 38 M4 39 M4 30 M4 31 M4 32 M4 33 M4 34 M5 35 M4	RBW 100 kHz VBW 300 kHz	Mode Auto Swe M1[1] M2[1] 	еер 	2 20.:	-4.99 dBm 440010 GHz -50.43 dBm 127789 GHz
Spectrum Ref Level 10.00 dE Att 30 r SGL Count 20/20 IPk Max J dBm 40 10 dBm 40 -20 dBm 01 -25.70 -30 dBm 01 -25.70 -30 dBm -01 -25.70 -40 dBm	3m Offset 2.39 dB Image: Constraint of the second seco	RBW 100 kHz VBW 300 kHz	Mode Auto Swe M1[1] M2[1] 	еер 	2 20.:	-4.99 dBm 440010 GHz -50.43 dBm 127789 GHz

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Spectrum Ref Level Att	10.00 dBm 30 dB		B e RBW 100 kHz s e VBW 300 kHz	Mode Auto FF	т		
SGL Count 1 1Pk Max	100/100						
JIPK Max				M1[1]			-5.25 dBm
						2.4802	2471420 GHz
0 dBm				M	11		
				~			
-10 dBm							
-20 dBm							
-20 UBIII							
-30 dBm							
-40 dBm							
-50 dBm							+1
60 d0							
-60 dBm							
-70 dBm							
-80 dBm							
CF 2.48 GH	z		30001 p	ts		Sp	an 1.5 MHz
Spectrum		Spurious N	IVNT BLE 1M) 2480MHz <i>A</i>	Ant1 Emis	ssion	
Att	10.00 dBm 30 dB	Offset 2.42 d	VNT BLE 1M			ssion	
Ref Level Att SGL Count 1	10.00 dBm 30 dB	Offset 2.42 d	B 😑 RBW 100 kHz			ssion	
Ref Level Att	10.00 dBm 30 dB	Offset 2.42 d	B 😑 RBW 100 kHz			ssion	-8.07 dBm
Ref Level Att SGL Count 1 1Pk Max	10.00 dBm 30 dB	Offset 2.42 d	B 😑 RBW 100 kHz	Mode Auto Sw			-8.07 dBm .480600 GHz
Ref Level Att SGL Count 1 1Pk Max 0 dBm	10.00 dBm 30 dB	Offset 2.42 d	B 😑 RBW 100 kHz	Mode Auto Sw		2	-8.07 dBm
Ref Level Att SGL Count 1 1Pk Max 0 dBm M1 -10 dBm	10.00 dBm 30 dB	Offset 2.42 d	B 😑 RBW 100 kHz	Mode Auto Sw		2	-8.07 dBm .480600 GHz -51.05 dBm
Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm	10.00 dBm 30 dB	Offset 2.42 d SWT 265 m	B 😑 RBW 100 kHz	Mode Auto Sw		2	-8.07 dBm .480600 GHz -51.05 dBm
Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm	10.00 dBm 30 dB 10/10	Offset 2.42 d SWT 265 m	B 😑 RBW 100 kHz	Mode Auto Sw		2	-8.07 dBm .480600 GHz -51.05 dBm
Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm	10.00 dBm 30 dB 10/10	Offset 2.42 d SWT 265 m	B 😑 RBW 100 kHz	Mode Auto Sw M1[1] M2[1]	reep	2	-8.07 dBm .480600 GHz -51.05 dBm
Ref Level Att SGL Count 1 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm	10.00 dBm 30 dB 10/10	Offset 2.42 d SWT 265 m dBm	B • RBW 100 kHz s • VBW 300 kHz	Mode Auto Sw M1[1] M2[1]		2	-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz
Ref Level Att SGL Count 1 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm	10.00 dBm 30 dB 10/10	Offset 2.42 d SWT 265 m dBm dBm dtimule 7, rows and	B • RBW 100 kHz • VBW 300 kHz	Mode Auto Sw M1[1] M2[1] N N N N	12	2	-8.07 dBm .480600 GHz -51.05 dBm
Ref Level Att SGL Count 3 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	10.00 dBm 30 dB 10/10	Offset 2.42 d SWT 265 m dBm	B • RBW 100 kHz • VBW 300 kHz	Mode Auto Sw M1[1] M2[1]	12	2	-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz
Ref Level Att SGL Count 1 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm	10.00 dBm 30 dB 10/10	Offset 2.42 d SWT 265 m dBm dBm dtimule 7, rows and	B • RBW 100 kHz • VBW 300 kHz	Mode Auto Sw M1[1] M2[1] N N N N	12	2	-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz
Ref Level Att SGL Count 3 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	10.00 dBm 30 dB 10/10	Offset 2.42 d SWT 265 m dBm dBm dtimule 7, rows and	B • RBW 100 kHz • VBW 300 kHz	Mode Auto Sw M1[1] M2[1] N N N N	12	2	-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz
Ref Level Att SGL Count 3 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm -80 dBm	10.00 dBm 30 dB 10/10 01 -25.249 01 -25.249	Offset 2.42 d SWT 265 m dBm dBm dtimule 7, rows and	B • RBW 100 kHz s • VBW 300 kHz 	Mode Auto Sw M1[1] M2[1] N _N	12	2 17	-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz
Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -80 dBm	10.00 dBm 30 dB 10/10 01 -25.249 01 -25.249	Offset 2.42 d SWT 265 m dBm dBm dtimule 7, rows and	B • RBW 100 kHz • VBW 300 kHz	Mode Auto Sw M1[1] M2[1] N _N	12	2 17	-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz
Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -70 dBm -80 dBm -80 dBm -80 dBm	10.00 dBm 30 dB 10/10 01 -25.249 01 -25.249 M3 M3 M4 M3	Offset 2.42 d SWT 265 m dBm dBm dtimule 7, rows and	B • RBW 100 kHz s • VBW 300 kHz 	Mode Auto Sw M1[1] M2[1] N _N	12	2 17	-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz
Ref Level Att SGL Count 1 SGL Max IPk Max 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -80 dBm -80 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -80 dBm -70 dBm	10.00 dBm 30 dB 10/10 01 -25.249 01 -25.249 1Hz 1Hz	Offset 2.42 d SWT 265 m dBm dBm dBm x-value 2.4806 GH	B RBW 100 kHz S VBW 300 kHz M5 M5 M5 M5 M5 M5 M5 M5 M5	Mode Auto Sw M1[1] M2[1] M2[1] N M2[1]	12	2 17	-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz
Ref Level Att SGL Count 3 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm -10 dBm <td< td=""><td>10.00 dBm 30 dB 10/10 01 -25.249 01 -25.249 1Hz 1Hz 1 1</td><td>Offset 2.42 d SWT 265 m dBm dBm dBm x-value 2.4806 GH 17.689902 GH</td><td>B RBW 100 kHz s VBW 300 kHz M5 M5 M5 M5 M5 M5 M5 M5 M5</td><td>Mode Auto Sw M1[1] M2[1] M2[1] N M2[1]</td><td>12</td><td>2 17</td><td>-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz</td></td<>	10.00 dBm 30 dB 10/10 01 -25.249 01 -25.249 1Hz 1Hz 1 1	Offset 2.42 d SWT 265 m dBm dBm dBm x-value 2.4806 GH 17.689902 GH	B RBW 100 kHz s VBW 300 kHz M5 M5 M5 M5 M5 M5 M5 M5 M5	Mode Auto Sw M1[1] M2[1] M2[1] N M2[1]	12	2 17	-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz
Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -80 dBm -70 dBm -80 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -80 dBm -70 dBm -70 dBm -80 dBm -70 dBm -80 dBm -80 dBm -81 darker Type M1 M2 M3 M4	10.00 dBm 30 dB 10/10 01 -25.249 01 -25.249 M3 MHz MHz	Offset 2.42 d SWT 265 m dBm dBm x-value 2.4806 GH 7.302191 GH 7.302191 GH	B RBW 100 kHz B VBW 300 kHz VBW 300 kHz MG AG AG AG AG AG AG AG AG AG A	Mode Auto Sw M1[1] M2[1] M2[1] N M2[1]	12	2 17	-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz
Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -30 dBm -20 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -80 dBm -70 dBm	10.00 dBm 30 dB 10/10 01 -25.249 01 -25.249 M3 M4 M4 Z	Offset 2.42 d SWT 265 m dBm dBm dBm x-value 2.4806 GH 17.689902 GH 4.988713 GH	B RBW 100 kHz B VBW 300 kHz VBW 300 kHz NG NG NG NG NG NG NG NG NG NG	Mode Auto Sw M1[1] M2[1] M2[1] N M2[1]	12	2 17	-8.07 dBm .480600 GHz -51.05 dBm .689902 GHz
Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -80 dBm -70 dBm -80 dBm -70 dBm -70 dBm -70 dBm -70 dBm -80 dBm -70 dBm -70 dBm -70 dBm -70 dBm -70 dBm -80 dBm -81 darker Type M1 M2 M3 M4	10.00 dBm 30 dB 10/10 01 -25.249 01 -25.249 M3 MHz MHz	Offset 2.42 d SWT 265 m dBm dBm x-value 2.4806 GH 7.302191 GH 7.302191 GH	B RBW 100 kHz B VBW 300 kHz VBW 300 kHz MG AG AG AG AG AG AG AG AG AG A	Mode Auto Sw M1[1] M2[1] M2[1] N M2[1]		2 17	-8.07 dBm .480600 GHz -51.05 dBm .689902 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	57.42	2.41	0.93
NVNT	BLE 2M	2440	Ant1	57.87	2.38	0.93
NVNT	BLE 2M	2480	Ant1	58.13	2.36	0.93

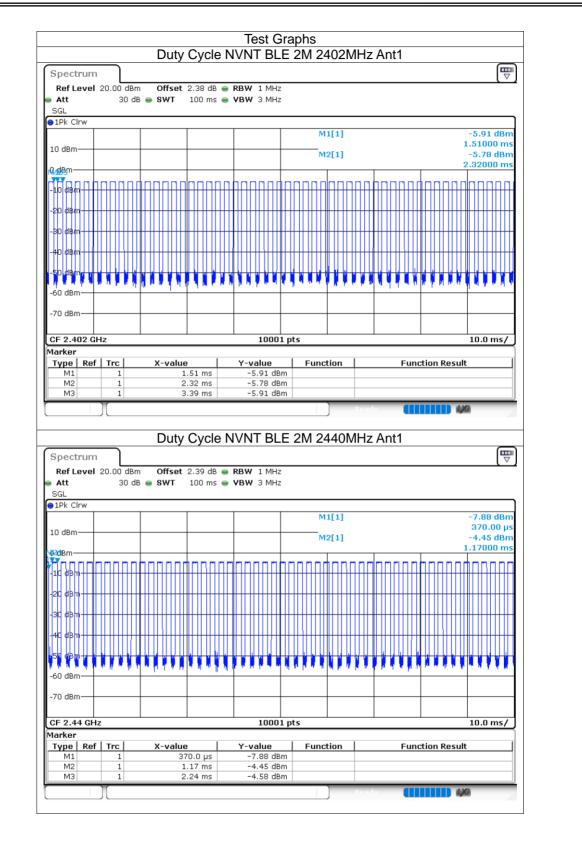


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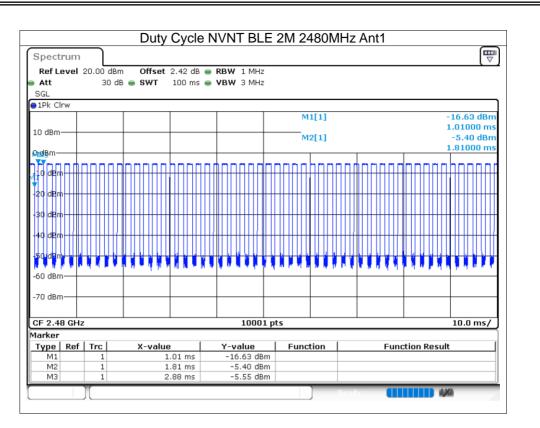
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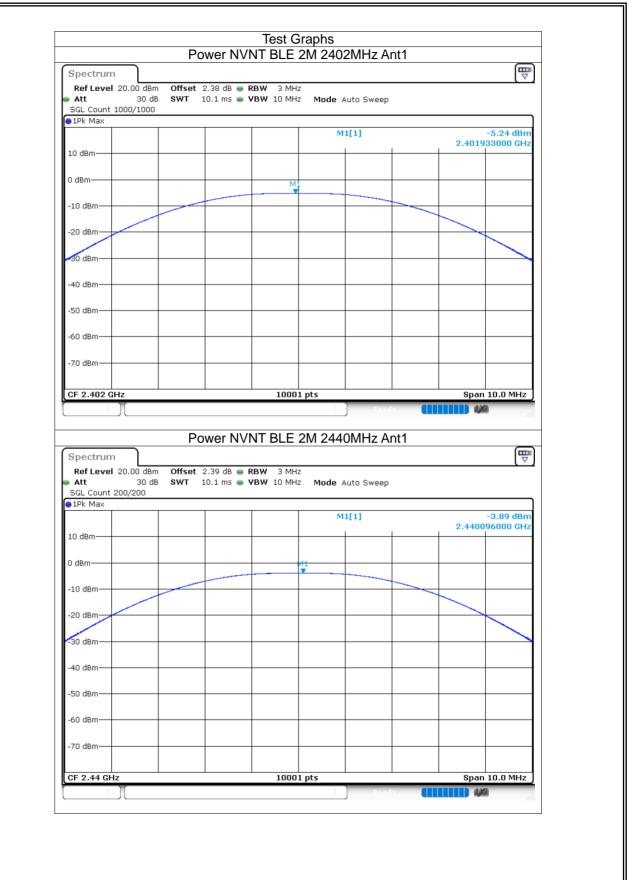


8.2.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	-5.24	30	Pass
NVNT	BLE 2M	2440	Ant1	-3.89	30	Pass
NVNT	BLE 2M	2480	Ant1	-4.82	30	Pass

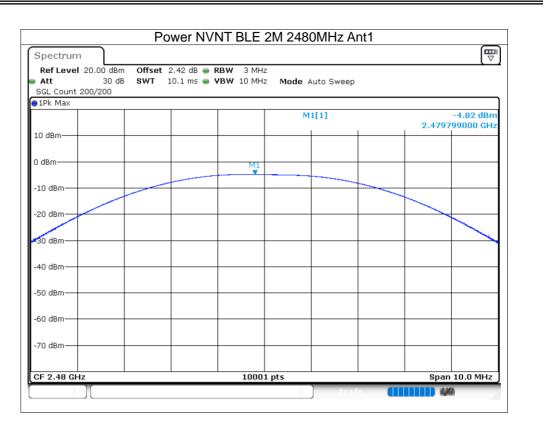
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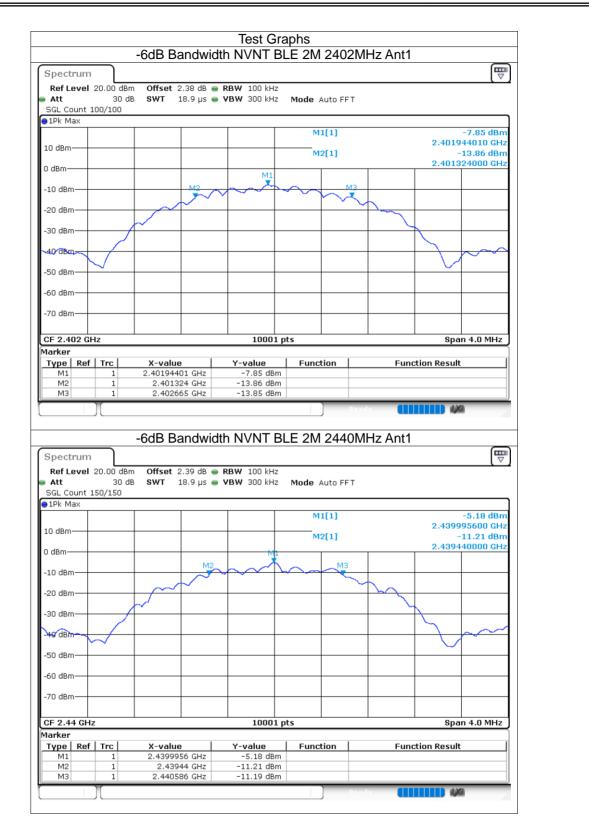




8.2.3 -6dB Bandwidth

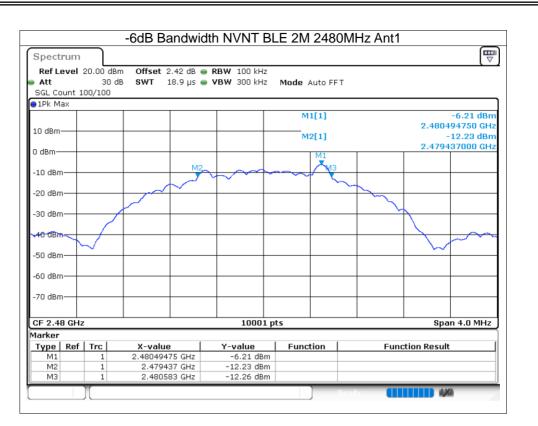
Conc	dition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NV	/NT	BLE 2M	2402	Ant1	1.34	0.5	Pass
NV	/NT	BLE 2M	2440	Ant1	1.145	0.5	Pass
NV	/NT	BLE 2M	2480	Ant1	1.146	0.5	Pass





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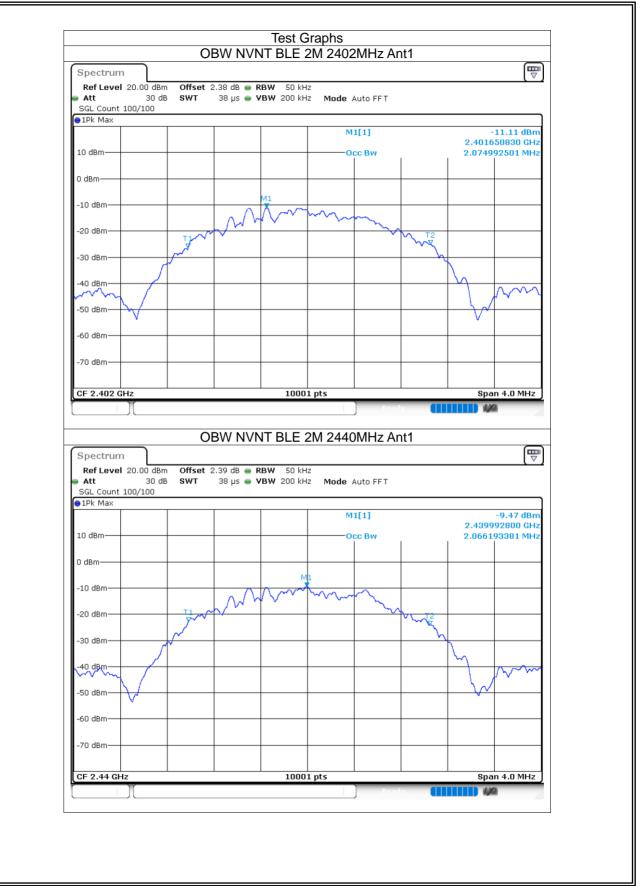




8.2.4 Occupied Channel Bandwidth

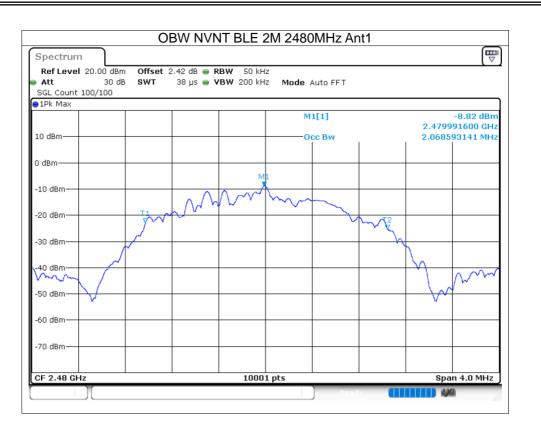
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 2M	2402	Ant1	2.075
NVNT	BLE 2M	2440	Ant1	2.066
NVNT	BLE 2M	2480	Ant1	2.069





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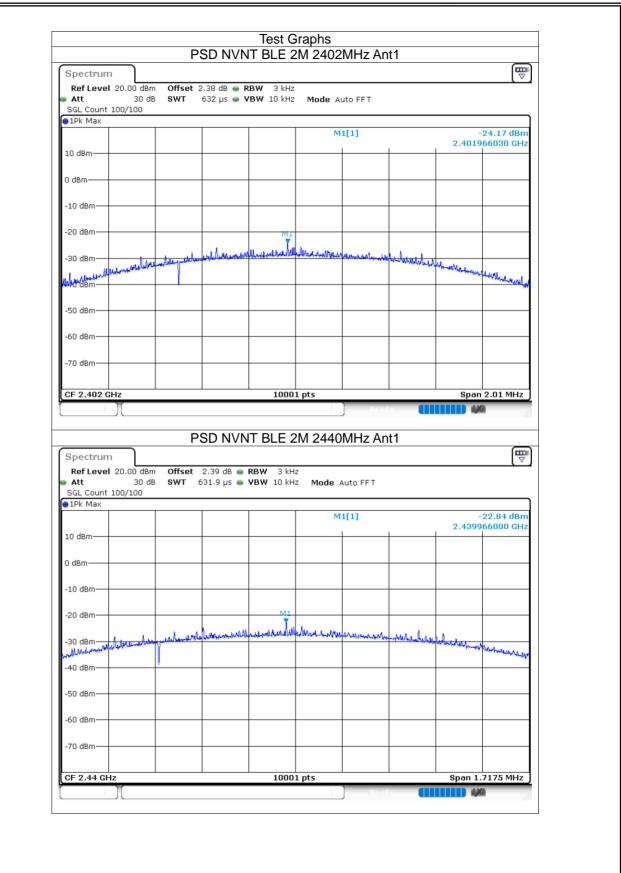


8.2.5 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	-24.17	8	Pass
NVNT	BLE 2M	2440	Ant1	-22.84	8	Pass
NVNT	BLE 2M	2480	Ant1	-23.82	8	Pass

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PSD NVNT	BLE 2M 2480MHz Ant	1
Spectrum		
RefLevel 20.00 dBm Offset 2.42 dB 🖷 RB		
) Att 30 dB SWT 632.1 µs ● VE	W 10 kHz Mode Auto FFT	
SGL Count 100/100 1Pk Max		
	M1[1]	-23.82 dBm
		2.479966140 GHz
10 dBm		
0 dBm		
-10 dBm		
-20 dBm	M1	
-30 dBm - 1 In a lot of the month of the second will be	had and William how was an and and	perturbation and and the second and the
-30 dBm		and the way and the property of the
-40 dBm		
-50 dBm		
-60 dBm		
70 40-		
-70 dBm		
CF 2.48 GHz	10001 pts	Span 1.719 MHz

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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	-50.77	-20	Pass
NVNT	BLE 2M	2480	Ant1	-44.23	-20	Pass

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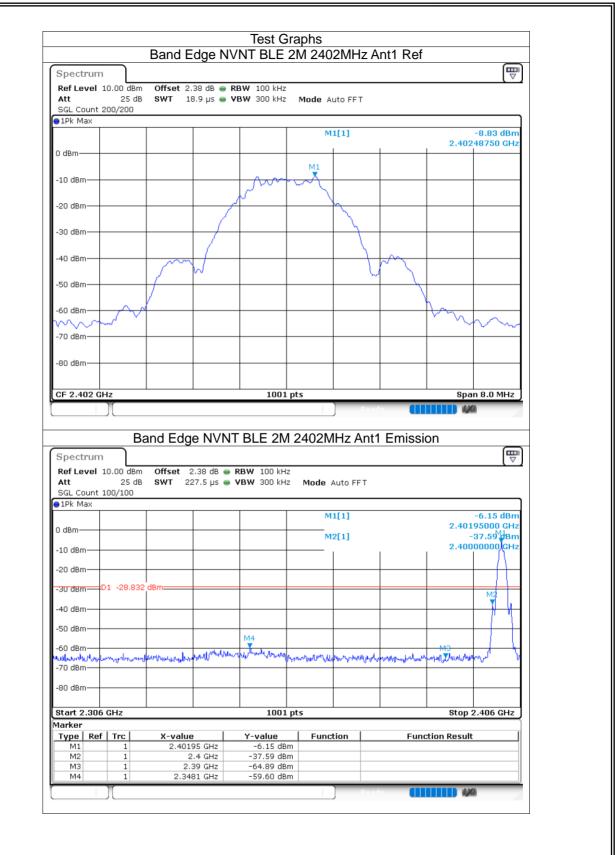


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Version.1.3



Att	vel 2				RBW 100 kHz VBW 300 kHz		uto FFT			
1Pk M	ax						1[1]			-9.21 dBm
						191	1[1]		2.479	-8.31 dBm 949650 GHz
LO dBm	+									
) dBm-	\rightarrow			_						
					M1					
10 dBr						Land				
20 dBr	n			,	4	~	<u> </u>			
30 dBr	n									
40 dBr	n- -						\rightarrow	m		
			1	۲°			\	1		
50 dBr		m							hm	nn
60 dBr	n	~ ~	-	_						
-70 dBr	n									
CF 2.4	0 0 0	7			1001	nts			Sna	in 8.0 MHz
		J E	Band Ec	lge NVN	IT BLE 2N) Rea IHz Ant	I Emissi		
Spect	rum		n Offset	2.42 dB e		1 2480N		I Emissi		
Spect Ref Le Att SGL Co	rum vel 2 punt 1) [20.00 dB	n Offset	2.42 dB e	IT BLE 2N	1 2480N		I Emissi		
Spect Ref Le Att	rum vel 2 punt 1	20.00 dB 35 d	n Offset	2.42 dB e		1 2480N ^z Mode /		I Emissi	ion	-8.26 dBm
Spect Ref Le Att SGL Co) 1Pk M	rum vel 2 ount 1 ax	20.00 dB 35 d	n Offset	2.42 dB e		1 2480W ^z Mode / M	Auto FFT	1 Emissi	ion 2.480	-8.26 dBm 015000 GHz
Spect Ref Le SGL Co 1Pk M 10 dBm	rum vel 2 ount 1 ax	20.00 dB 35 d	n Offset	2.42 dB e		1 2480W ^z Mode / M	Auto FFT	I Emissi	ion 2.480	-8.26 dBm
Spect Ref Le Att SGL Co	ovel 2	20.00 dB 35 d	n Offset	2.42 dB e		1 2480W ^z Mode / M	Auto FFT	1 Emissi	ion 2.480	-8.26 dBm 115000 GHz -52.54 dBm
Spect Ref Le SGL Co 1Pk M 10 dBm 0 dBm- M1	vel 2 ax	20.00 dB 35 d	n Offset	2.42 dB e		1 2480W ^z Mode / M	Auto FFT	1 Emissi	ion 2.480	-8.26 dBm 115000 GHz -52.54 dBm
Spect Ref Le SGL Cr 1Pk M 10 dBm 0 dBm- 10 dBm 20 dBr	n	20.00 dB 35 d	m Offset B SWT	2.42 dB e		1 2480W ^z Mode / M	Auto FFT		ion 2.480	-8.26 dBm 115000 GHz -52.54 dBm
Spect Ref Le Att SGL Co 1Pk M 10 dBm - 10 dBm - 20 dBm - 30 dBr	n	E 20.00 dB 35 d 100/100	m Offset B SWT	2.42 dB e		1 2480W ^z Mode / M	Auto FFT		ion 2.480	-8.26 dBm 115000 GHz -52.54 dBm
Spect Ref Le SGL Cr) 1Pk M 10 dBm- M1 10 dBm- 30 dBr 30 dBr 30 dBr	n	E 20.00 dB 35 d 100/100	m Offset B SWT	2.42 dB e		1 2480W ^z Mode / M	Auto FFT		ion 2.480	-8.26 dBm 115000 GHz -52.54 dBm
Spect Ref Le SGL CC 1Pk M 10 dBm 10 dBm 10 dBm 30 dBm 30 dBm 30 dBm 30 dBm		E 20.00 dB 35 d 100/100	m Offset B SWT	2.42 dB 227.5 µs		1 2480N	Auto FFT 1[1] 2[1]		2.480 2.480	-8.26 dBm 115000 GHz -52.54 dBm 550000 GHz
Spect Ref Le SGL Cr 1Pk M 10 dBm 0 dBm- 10 dBm 20 dBr		E 20.00 dB 35 d 100/100	m Offset B SWT	2.42 dB 227.5 µs	IT BLE 2N RBW 100 kH VBW 300 kH	1 2480N	Auto FFT 1[1] 2[1]		2.480 2.480	-8.26 dBm 115000 GHz -52.54 dBm 550000 GHz
Spect Ref Le SGL CC 1Pk M 10 dBm 10 dBm 10 dBm 30 dBm 30 dBm 30 dBm 30 dBm	rum vel 2 סטור 1 מא ח	E 20.00 dB 35 d 100/100	m Offset B SWT	2.42 dB 227.5 µs	IT BLE 2N RBW 100 kH VBW 300 kH	1 2480N	Auto FFT 1[1] 2[1]		2.480 2.480	-8.26 dBm 115000 GHz -52.54 dBm 550000 GHz
Spect Ref Le Att SGL Cd 1Pk M 10 dBm 10 dBm		ר באיז איז איז איז איז איז איז איז איז איז	m Offset B SWT	2.42 dB 227.5 µs	IT BLE 2N RBW 100 kH VBW 300 kH	1 2480N	Auto FFT 1[1] 2[1]		2.480 2.483	-8.26 dBm 115000 GHz -52.54 dBm 550000 GHz
Spect Ref Le Att SGL C: 1Pk M 10 dBm 10 dBm 20 dBm 20 dBm 20 dBm 50 dBm 50 dBm 50 dBm 70 dBm 70 dBm 70 dBm 70 dBm	rum vel : ax ח ח יעופ וועקאינו ג.476	ال 20.00 dB 35 d 100/100	m Offset B SWT	2.42 dB 227.5 µs	IT BLE 2N	2 Mode / Mode / M	Auto FFT 1[1] 2[1] 4		2.480 2.480	-8.26 dBm 015000 GHz -52.54 dBm 550000 GHz
Spect Ref Le Att SGL Cc 1Pk M 10 dBm 10 dBm	rum vel : ax ח ח יעופ וועקאינו ג.476	ال 20.00 dB 35 d 100/100 01 -28.3 01 -28.3 01 -28.3 01 -28.3	m Offset B SWT	2.42 dB 227.5 µs	IT BLE 2N	1 2480N 2 Mode م M M M M M M M M M M M M M	Auto FFT 1[1] 2[1] 4		2.480 2.483	-8.26 dBm 015000 GHz -52.54 dBm 550000 GHz
Spect Ref Le Att SGL Cr 1Pk M 10 dBm 10 dBm	rum vel : ax ח ח יעופ וועקאינו ג.476	E 20.00 dB 35 d 100/100 01 -28.3 01 -28.3 01 -28.3 01 -28.3	m Offset B SWT	2.42 dB 227.5 µs 227.5 µs 2	IT BLE 2N RBW 100 kH VBW 300 kH	1 2480W	Auto FFT 1[1] 2[1] 4		2.480 2.480	-8.26 dBm 015000 GHz -52.54 dBm 550000 GHz
Spect Ref Le Att SGL Cc 1Pk M 0 dBm 10rdBr 30 dBr 30 dBr 40 dB 50 dBr 50	rum vel : ax ח ח יעופ וועקאינו ג.476	ال 20.00 dB 35 d 100/100 01 -28.3 01 -28.3 01 -28.3 01 -28.3	M Offset B SWT	2.42 dB 227.5 µs	IT BLE 2N	1 2480N	Auto FFT 1[1] 2[1] 4		2.480 2.480	-8.26 dBm 015000 GHz -52.54 dBm 550000 GHz

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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	-38.86	-20	Pass
NVNT	BLE 2M	2440	Ant1	-46.33	-20	Pass
NVNT	BLE 2M	2480	Ant1	-44.08	-20	Pass

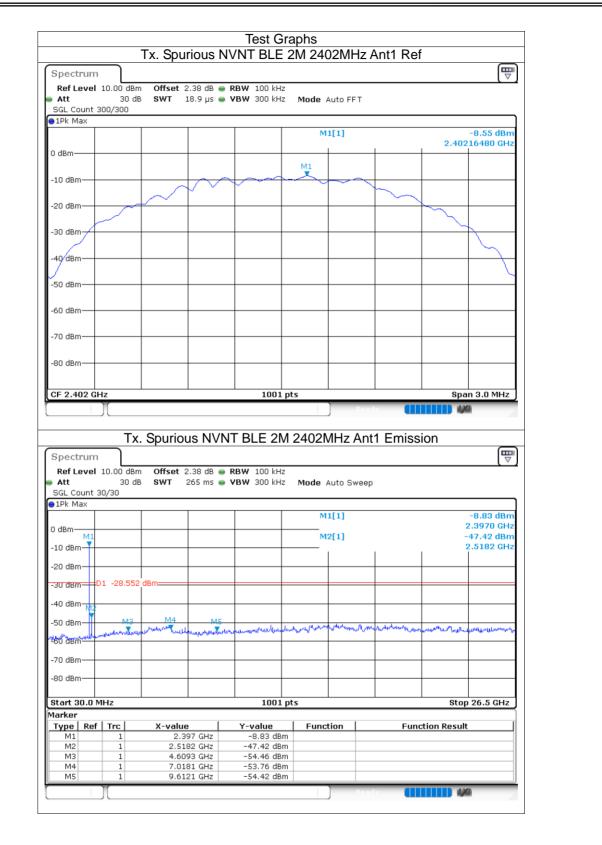


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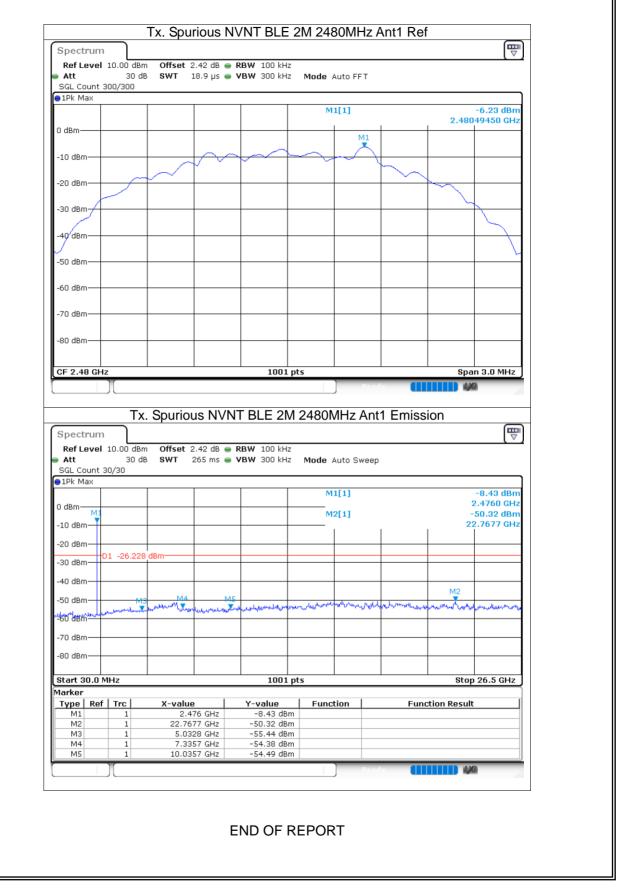




Spectrum Ref Level Att SGL Count 3	10.00 dBm 30 dB		dB e RBW 100 k µs e VBW 300 k		O FFT		
1Pk Max				M1[1	1		-4.64 dBm
				I I I I I I I I I I I I I I I I I I I	4	2.4	-4.64 dBm 3999700 GHz
0 dBm							
-10 dBm			\sim		\sim		
	~	<u>~</u>				\sim	
-20 dBm	Ť					$ \tilde{\lambda}$	
-30 dBm 🕂							
-40 dBm							+
-50 dBm				<u> </u>			
-60 dBm							+1
-70 dBm							
-80 dBm							+
						0	pan 3.0 MHz
CF 2.44 GH Spectrum Ref Level)[·	NVNT BLE 2		Ready Hz Ant1 Ei		
	Tx.	Offset 2.39		2440MH			
Spectrum Ref Level Att	Tx.	Offset 2.39	NVNT BLE 2	PM 2440MH	o Sweep		
Spectrum Ref Level Att SGL Count 3 1Pk Max	Tx.	Offset 2.39	NVNT BLE 2	HZ HZ Mode Aut	o Sweep L]		-7.31 dBm 2.4500 GHz
Spectrum Ref Level Att SGL Count 3 1Pk Max 0 dBm	Tx.	Offset 2.39	NVNT BLE 2	PM 2440MH	o Sweep L]		-7.31 dBm 2.4500 GHz -50.98 dBm
Spectrum Ref Level SGL Count 3 JIPk Max 0 dBm -10 dBm	Tx.	Offset 2.39	NVNT BLE 2	HZ HZ Mode Aut	o Sweep L]		-7.31 dBm 2.4500 GHz
Spectrum Ref Level Att SGL Count 3 1Pk Max 0 dBm 10 dBm -20 dBm	Tx.	Offset 2.39 SWT 265	NVNT BLE 2	HZ HZ Mode Aut	o Sweep L]		-7.31 dBm 2.4500 GHz -50.98 dBm
Spectrum Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm	Tx. 10.00 dBm 30 dB 30/30	Offset 2.39 SWT 265	NVNT BLE 2	HZ HZ Mode Aut	o Sweep L]		-7.31 dBm 2.4500 GHz -50.98 dBm
Spectrum Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 10.00 dBm 30 dB 30/30	Offset 2.39 SWT 265	NVNT BLE 2 dB • RBW 100 k ms • VBW 300 k	2M 2440MH	o Sweep	mission	-7.31 dBm 2.4500 GHz -50.98 dBm 15.8326 GHz
Spectrum Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	Tx. 10.00 dBm 30 dB 30/30	Offset 2.39 SWT 265	NVNT BLE 2 dB • RBW 100 k ms • VBW 300 k	2M 2440MH	o Sweep	mission	-7.31 dBm 2.4500 GHz -50.98 dBm 15.8326 GHz
Spectrum Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	Tx. 10.00 dBm 30 dB 30/30	Offset 2.39 SWT 265	NVNT BLE 2	2M 2440MH	o Sweep	mission	-7.31 dBm 2.4500 GHz -50.98 dBm 15.8326 GHz
Spectrum Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	Tx. 10.00 dBm 30 dB 30/30	Offset 2.39 SWT 265	NVNT BLE 2 dB • RBW 100 k ms • VBW 300 k	2M 2440MH	o Sweep	mission	-7.31 dBm 2.4500 GHz -50.98 dBm 15.8326 GHz
Spectrum Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -40 dBm -50 dBm	Tx. 10.00 dBm 30 dB 30/30	Offset 2.39 SWT 265	NVNT BLE 2 dB • RBW 100 k ms • VBW 300 k	2M 2440MH	o Sweep	mission	-7.31 dBm 2.4500 GHz -50.98 dBm 15.8326 GHz
Spectrum Ref Level Att SGL Count 3 SGL Count 3 SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -80 dBm -80 dBm	Tx. 10.00 dBm 30 dB 30/30 01 -24.644	Offset 2.39 SWT 265	NVNT BLE 2	2M 2440MH	o Sweep	mission	-7.31 dBm 2.4500 GHz -50.98 dBm 15.8326 GHz
Spectrum Ref Level Att SGL Count 3 IPk Max O dBm -10 dBm -20 dBm -30 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 d	Tx. 10.00 dBm 30 dB 30/30 01 -24.644 M2 MHz	Offset 2.39 SWT 265	NVNT BLE 2 dB • RBW 100 k ms • VBW 300 k 	M 2440MH	o Sweep	mission	-7.31 dBm 2.4500 GHz -50.98 dBm 15.8326 GHz
Spectrum Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -30 dBm -40 dBm -70 dBm -70 dBm -80 dBm Start 30.0 M Varker Type Ref	Tx. 10.00 dBm 30 dB 30/30 01 -24.644 M3 MHz MHz	Offset 2.39 SWT 265	NVNT BLE 2 dB • RBW 100 k ms • VBW 300 k 	M 2440MH	o Sweep	mission	-7.31 dBm 2.4500 GHz -50.98 dBm 15.8326 GHz
Spectrum Ref Level Att SGL Count 3 SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -70 dBm -80 dBm -80 dBm -80 dBm -70 dBm -80 dBm -80 dBm -70 dBm -80 dBm -80 dBm -80 dBm -10 dBm	Tx. 10.00 dBm 30 dB 30/30 01 -24.644 01 -24.644 MHz MHz 1 1	Offset 2.39 SWT 265	NVNT BLE 2 dB • RBW 100 k ms • VBW 300 k M5 4 100 100 100 Y-value SHz -7.31 c SHz -50.98 c	M 2440MH	o Sweep	mission	-7.31 dBm 2.4500 GHz -50.98 dBm 15.8326 GHz
Spectrum Ref Level Att SGL Count 3 IPk Max 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -40 dBm -70 dBm -70 dBm -70 dBm -70 dBm -80 dBm -8	Tx. 10.00 dBm 30 dB 30/30 01 -24.644 M2 MHz MHz MHz	Offset 2.39 SWT 265	NVNT BLE 2 dB • RBW 100 k ms • VBW 300 k 	M 2440MH	o Sweep	mission	-7.31 dBm 2.4500 GHz -50.98 dBm 15.8326 GHz
Spectrum Ref Level Att SGL Count 3 IPk Max IPk Max O dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -80 dBm -70 d	Tx. 10.00 dBm 30 dB 30/30 01 -24.644 M2 MHz MHz I 1 1 1	Offset 2.39 SWT 265	NVNT BLE 2 dB • RBW 100 k ms • VBW 300 k 	M 2440MH	o Sweep	mission	-7.31 dBm 2.4500 GHz -50.98 dBm 15.8326 GHz

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