

## FCC RADIO TEST REPORT FCC ID: ZSW-30-140

Product: Mobile Phone Trade Mark: Bmobile Model No.: Venus Family Model: N/A Report No.: S25031804502003 Issue Date: Apr. 09, 2025

### **Prepared for**

b mobile HK Limited FLAT/RM 1202, 12/F GOLDEN STAR BUILDING, 20 LOCKHART ROAD, WANCHAI, HK, CHINA

### Prepared by

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

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Complied

#### **1 TEST RESULT CERTIFICATION**

Applicant's name:	b mobile HK Limited		
Address:	FLAT/RM 1202, 12/F GOLDEN STAR BUILDING, 20 LOCKHART ROAD, WANCHAI, HK, CHINA		
Manufacturer's Name:	b mobile HK Limited		
Address:	FLAT/RM 1202, 12/F GOLDEN STAR BUILDING, 20 LOCKHART ROAD, WANCHAI, HK, CHINA		
Product description			
Product name:	Mobile Phone		
Model and/or type reference:	Venus		
Family Model:	N/A		
Test Sample number:	S250318045002		
Date of Test:	Mar. 19, 2025 ~ Apr. 09, 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

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 <u>-</u> By <sup>-</sup> (Pr	Allen Liu Foject Engineer)	Reviewed . By <sup>·</sup> –	Aaron Cheng Aaron Cheng (Supervisor)	Approved . By <sup>·</sup> -	Alex Li Alex Li (Manager)

#### Report No.: S25031804502003



2 SUMMARY OF TE	SUMMARY OF TEST RESULTS						
	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)	Maximum 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					

#### Remark:

- 1. "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.
- This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



#### **3 FACILITIES AND ACCREDITATIONS**

#### 3.1 FACILITIES

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

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



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

	Product Feature and Specification					
Equipment Mobile Phone						
Trade Mark	Bmobile					
FCC ID	ZSW-30-140					
Model No.	Venus					
Family Model	N/A					
Model Difference	N/A					
Operating Frequency	2412-2462MHz for 802.11b/g/11n(HT20);					
Modulation	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;					
Number of Channels 11 channels for 802.11b/g/11n(HT20);						
Antenna Type	FPC Antenna					
Antenna Gain	0.9dBi					
Power supply	DC 3.85V from Battery or DC 5V from Adapter.					
Battery	Rated Capacity: DC 3.85V, 4900 mAh, 18.86Wh Typical Capacity: DC 3.85V, 5000 mAh, 19.25Wh					
Adapter INPUT: AC 100-240V~50-60Hz 0.3A OUTPUT: DC 5.0V2A						
HW Version	Bmobile_VENUS_HW_V1.0					
SW Version	Bmobile_VENUS_TIGO_LATAM_V001					

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

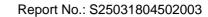




#### Report No.: S25031804502003

#### **Revision History**

	Revision History					
Report No.	Version	Description	Issued Date			
S25031804502003	Rev.01	Initial issue of report	Apr. 09, 2025			





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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.

Certificate #4298 01

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 (802.11b: 1 Mbps; 802.11g: 6 Mbps; 802.11n (HT20): MCS0) 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 Y-plane results were found as the worst case and were shown in this report.

Frequency and Channel list for 802.11b/g/n (HT20):

Channel	Frequency(MHz)
1	2412
2	2417
5	2432
6	2437
10	2457
11	2462

Note: fc=2412MHz+(k-1)×5MHz k=1 to 11

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

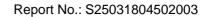




Test Items	Mode	Data Rate	Channel	Ant
AC Power Line Conducted Emissions	Normal Link	-	-	-
	11b/CCK	1 Mbps	1/6/11	1
Maximum Conducted Output	11g/BPSK	6 Mbps	1/6/11	1
Power	11n HT20	MCS0	1/6/11	1
	11b/CCK	1 Mbps	1/6/11	1
Power Spectral Density	11g/BPSK	6 Mbps	1/6/11	1
	11n HT20	MCS0	1/6/11	1
	11b/CCK	1 Mbps	1/6/11	1
6dB Spectrum Bandwidth	11g/BPSK	6 Mbps	1/6/11	1
	11n HT20	MCS0	1/6/11	1
Radiated Emissions Below 1GHz	Normal Link	-	-	-
Radiated Emissions Above	11b/CCK	1 Mbps	1/6/11	1
1GHz	11g/BPSK	6 Mbps	1/6/11	1
	11n HT20	MCS0	1/6/11	1
	445/001/	4 Mbm	4/0/44	
Band Edge Emissions	11b/CCK	1 Mbps	1/6/11	1
	11g/BPSK	6 Mbps	1/6/11	1
	11n HT20	MCS0	1/6/11	1



## SETUP OF EQUIPMENT UNDER TEST 6 6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM For AC Conducted Emission Mode AC PLUG C-1 AE-1 EUT Adapter C-2 AE-2 Earphone For Radiated Test Cases EU For Conducted Test Cases C-3 Measurement EUT Instrument Note: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.





#### 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
	Mobile Phone	Venus	N/A	EUT
AE-1	Adapter	N/A	N/A	Peripherals
AE-2 Earphone		N/A	N/A	Peripherals

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

#### Notes:

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

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#### 6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

#### Radiation& Conducted Test equipment

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	onduction Test	equipment					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2024.04.26	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

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



#### 7 TEST REQUIREMENTS

#### 7.1 CONDUCTED EMISSIONS TEST

#### 7.1.1 Applicable Standard

According to FCC Part 15.207(a)

#### 7.1.2 Conformance Limit

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

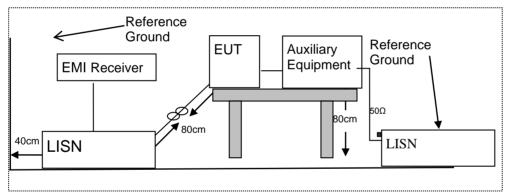
Note: 1. \*Decreases with the logarithm of the frequency

- 2. The lower limit shall apply at the transition frequencies
- 3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

#### 7.1.3 Measuring Instruments

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

#### 7.1.4 Test Configuration

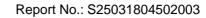


#### 7.1.5 Test Procedure

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

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





#### 7.1.6 Test Results

EUT:	Mobile Phone	Model Name :	Venus
Temperature:	<b>25</b> ℃	Relative Humidity:	47%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Normal Link

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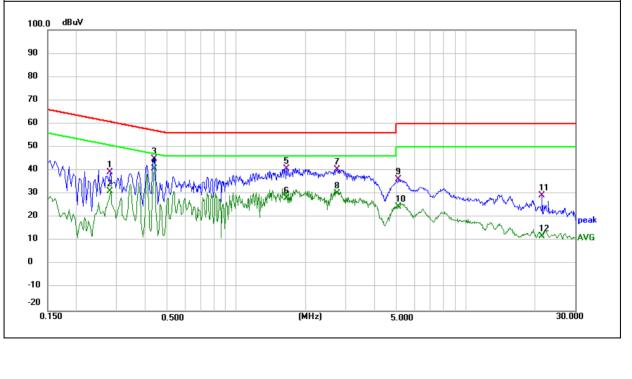
Certificate #4298.01

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Domork
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.2819	29.06	10.25	39.31	60.76	-21.45	QP
0.2819	20.77	10.25	31.02	50.76	-19.74	AVG
0.4380	34.50	10.57	45.07	57.10	-12.03	QP
0.4380	30.26	10.57	40.83	47.10	-6.27	AVG
1.6620	27.59	13.10	40.69	56.00	-15.31	QP
1.6620	14.97	13.10	28.07	46.00	-17.93	AVG
2.7420	30.72	9.86	40.58	56.00	-15.42	QP
2.7420	20.31	9.86	30.17	46.00	-15.83	AVG
5.0900	26.26	10.11	36.37	60.00	-23.63	QP
5.0900	14.38	10.11	24.49	50.00	-25.51	AVG
21.4980	16.41	12.96	29.37	60.00	-30.63	QP
21.4980	-0.95	12.96	12.01	50.00	-37.99	AVG

#### Remark:

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

2. Factor = Insertion Loss + Cable Loss.







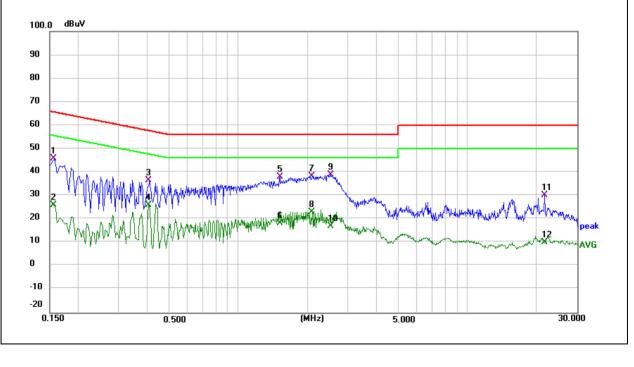
EUT:	Mobile Phone	Model Name :	Venus
Temperature:	<b>22</b> °C	Relative Humidity:	57%
Pressure:	1010hPa	Phase :	Ν
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Normal Link

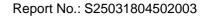
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1556	36.27	9.46	45.73	65.70	-19.97	QP
0.1556	16.71	9.46	26.17	55.70	-29.53	AVG
0.4060	26.69	9.89	36.58	57.73	-21.15	QP
0.4060	16.18	9.89	26.07	47.73	-21.66	AVG
1.5140	25.90	12.06	37.96	56.00	-18.04	QP
1.5140	6.06	12.06	18.12	46.00	-27.88	AVG
2.1099	29.31	9.07	38.38	56.00	-17.62	QP
2.1099	13.90	9.07	22.97	46.00	-23.03	AVG
2.5260	29.78	9.10	38.88	56.00	-17.12	QP
2.5260	7.91	9.10	17.01	46.00	-28.99	AVG
21.6540	17.97	12.15	30.12	60.00	-29.88	QP
21.6540	-2.07	12.15	10.08	50.00	-39.92	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

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

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

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

Limits of Radiated Emission Measurement(Above 1000MHz)

Frequency(MHz)	Class B (dBuV/	/m) (at 3M)
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.

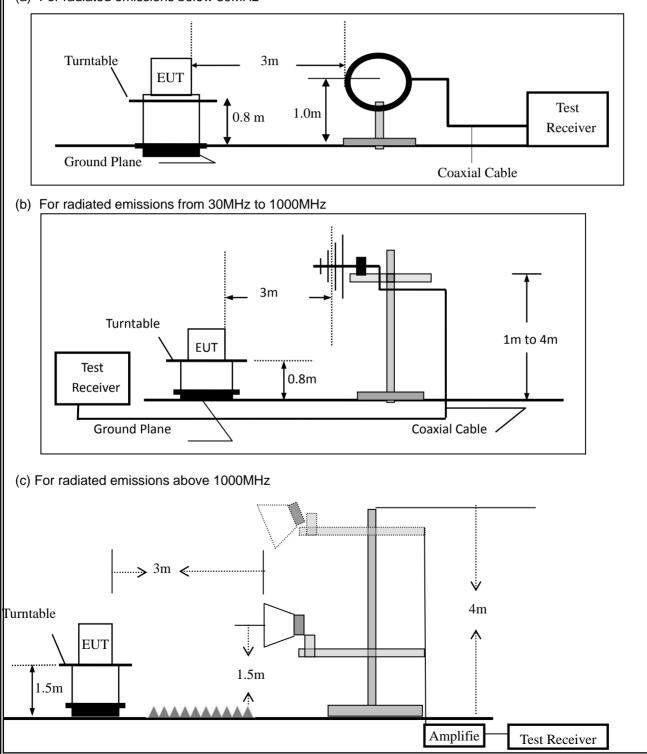


#### 7.2.3 Measuring Instruments

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:

Setting
Auto
1000 MHz
10th carrier harmonic
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 and frequencies above 1GHz,

- 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: For peak measurement:

Set RBW=120 kHz for f < 1 GHz; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold; Set RBW = 1 MHz, VBW= 3MHz for f≥1 GHz

For average measurement:

VBW = 10 Hz, when duty cycle is no less than 98 percent.

VBW  $\geq$  1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of



#### operation.

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

EUT:	Mobile Phone	Model No.:	Venus
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	802.11b/g/n(HT20)	Test By:	Allen Liu

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

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



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

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

EUT:	Mobile Phone	Model Name :	Venus
Temperature:	24 °C	Relative Humidity:	53%
Pressure:	1010hPa	Test Mode:	802.11b CH11
Test Voltage :	DC 3.85V		

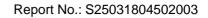
Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	32.6340	10.94	17.59	28.53	40.00	-11.47	QP
V	37.6800	14.08	18.13	32.21	40.00	-7.79	QP
V	48.3280	5.32	19.71	25.03	40.00	-14.97	QP
V	58.8190	12.70	19.25	31.95	40.00	-8.05	QP
V	69.6000	11.08	16.72	27.80	40.00	-12.20	QP
V	119.4360	7.85	16.75	24.60	43.50	-18.90	QP







Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Н	46.9950	1.69	19.54	21.23	40.00	-18.77	QP
Н	76.5119	10.21	14.96	25.17	40.00	-14.83	QP
Н	103.4419	6.80	17.58	24.38	43.50	-19.12	QP
Н	117.7730	3.91	17.01	20.92	43.50	-22.58	QP
Н	204.9550	4.12	17.36	21.48	43.50	-22.02	QP
Н	948.7610	1.38	30.90	32.28	46.00	-13.72	QP
Remark Emission 80.0	n Level = Meter dBuV/m	Reading+ Fa	ctor, Margin	= Emission L	evel- Limit		
70							
60 -							
50 -							
40							6
30 -	1	2	3	5	angthe alternation when the	Martin advantional Wine With	Sala Bar
20 -	1 wanter and a stranger	aliana francis	Away	white warming	waythe albert a how and		
10 0.0							
	000	60.00		MHz)	300.00		1000.000



UT	:	r	Nobile Pł	none		Mc	del No.:	N	/enus		
Гem	perature:	2	20 °C Relative Humidity: 48%								
Test	Mode:	8	302.11b/g	g/n(HT20)		Те	st By:	A	Allen Liu		
\II th	ne modulati	on mod	es have b	been teste	d, and the	worst re	sult was repo	ort as b	pelow:		
	Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emissio Level	n Limits	Marg	in Rema	ark	Comment
	(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m	i) (dBµV/m)	(dB	)		
				Low Chan	nel (2412 N	ИHz)(802.	11g)Above 1	G			
	4824.265	62.74	5.21	35.59	44.30	59.24	74.00	-14.7	′6 Pk		Vertical
	4824.265	40.57	5.21	35.59	44.30	37.07	54.00	-16.9	3 AV		Vertical
	7236.296	60.41	6.48	36.27	44.60	58.56	74.00	-15.4	4 Pk		Vertical
Γ	7236.296	43.69	6.48	36.27	44.60	41.84	54.00	-12.1	6 AV		Vertical
	4824.414	61.44	5.21	35.55	44.30	57.90	74.00	-16.1	0 Pk		Horizontal
	4824.414	42.61	5.21	35.55	44.30	39.07	54.00	-14.9	3 AV		Horizontal
	7236.428	63.39	6.48	36.27	44.52	61.62	74.00	-12.3	8 Pk		Horizontal
	7236.428	46.79	6.48	36.27	44.52	45.02	54.00	-8.98	B AV		Horizontal
				Mid Chan	nel (2437 N	/Hz)(802.1	11g)Above 1	G			
	4874.312	62.60	5.21	35.66	44.20	59.27	74.00	-14.7	'3 Pk		Vertical
	4874.312	43.06	5.21	35.66	44.20	39.73	54.00	-14.2	7 AV		Vertical
	7311.227	59.79	7.10	36.50	44.43	58.96	74.00	-15.0	94 Pk		Vertical
	7311.227	47.36	7.10	36.50	44.43	46.53	54.00	-7.4	7 AV		Vertical
	4874.529	61.10	5.21	35.66	44.20	57.77	74.00	-16.2	23 Pk		Horizontal
	4874.529	47.97	5.21	35.66	44.20	44.64	54.00	-9.3	6 AV		Horizontal
	7311.313	60.07	7.10	36.50	44.43	59.24	74.00	-14.7	′6 Pk		Horizontal
	7311.313	41.99	7.10	36.50	44.43	41.16	54.00	-12.8	4 AV		Horizontal
				High Chan	nel (2462 <b>l</b>	MHz)(802.	11g)Above 1	G			
[	4924.102	65.50	5.21	35.52	44.21	62.02	74.00	-11.9	8 Pk		Vertical
	4924.102	42.30	5.21	35.52	44.21	38.82	54.00	-15.1	8 AV		Vertical
	7386.425	60.71	7.10	36.53	44.60	59.74	74.00	-14.2	26 Pk		Vertical
[	7386.425	44.35	7.10	36.53	44.60	43.38	54.00	-10.6	2 AV		Vertical
	4924.066	66.86	5.21	35.52	44.21	63.38	74.00	-10.6	2 Pk		Horizontal
	4924.066	46.87	5.21	35.52	44.21	43.39	54.00	-10.6	51 AV		Horizontal
	7386.198	61.09	7.10	36.53	44.60	60.12	74.00	-13.8	88 Pk		Horizontal
	7386.198	44.75	7.10	36.53	44.60	43.78	54.00	-10.2	2 AV		Horizontal

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Note:

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

(2) Other emissions are attenuated more than 20dB below the permissible limits, so it does not recorded in the report.

(3)"802.11b" mode is the worst mode. When PK value is lower than the Average value limit, average don't record.





#### Report No.: S25031804502003

■ Spurious Emission in Restricted Band 2310MHz -18000MHz All the modulation modes have been tested, and the worst result was report as below:

the modula					e worst resu	ilt was repo	rt as belo	SW:		
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment	
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре		
802.11b										
2310.00	73.58	2.97	27.80	43.80	60.55	74	-13.45	Pk	Horizontal	
2310.00	59.28	2.97	27.80	43.80	46.25	54	-7.75	AV	Horizontal	
2310.00	74.37	2.97	27.80	43.80	61.34	74	-12.66	Pk	Vertical	
2310.00	58.13	2.97	27.80	43.80	45.10	54	-8.90	AV	Vertical	
2390.00	73.93	3.14	27.21	43.80	60.48	74	-13.52	Pk	Vertical	
2390.00	57.62	3.14	27.21	43.80	44.17	54	-9.83	AV	Vertical	
2390.00	72.42	3.14	27.21	43.80	58.97	74	-15.03	Pk	Horizontal	
2390.00	58.04	3.14	27.21	43.80	44.59	54	-9.41	AV	Horizontal	
2483.50	73.56	3.58	27.70	44.00	60.84	74	-13.16	Pk	Vertical	
2483.50	58.86	3.58	27.70	44.00	46.14	54	-7.86	AV	Vertical	
2483.50	74.46	3.58	27.70	44.00	61.74	74	-12.26	Pk	Horizontal	
2483.50	58.10	3.58	27.70	44.00	45.38	54	-8.62	AV	Horizontal	
				8	02.11g					
2310.00	75.03	2.97	27.80	43.80	62.00	74	-12.00	Pk	Horizontal	
2310.00	60.47	2.97	27.80	43.80	47.44	54	-6.56	AV	Horizontal	
2310.00	72.93	2.97	27.80	43.80	59.90	74	-14.10	Pk	Vertical	
2310.00	58.39	2.97	27.80	43.80	45.36	54	-8.64	AV	Vertical	
2390.00	73.30	3.14	27.21	43.80	59.85	74	-14.15	Pk	Vertical	
2390.00	58.45	3.14	27.21	43.80	45.00	54	-9.00	AV	Vertical	
2390.00	73.85	3.14	27.21	43.80	60.40	74	-13.60	Pk	Horizontal	
2390.00	60.14	3.14	27.21	43.80	46.69	54	-7.31	AV	Horizontal	
2483.50	74.46	3.58	27.70	44.00	61.74	74	-12.26	Pk	Vertical	
2483.50	60.36	3.58	27.70	44.00	47.64	54	-6.36	AV	Vertical	
2483.50	75.05	3.58	27.70	44.00	62.33	74	-11.67	Pk	Horizontal	
2483.50	58.22	3.58	27.70	44.00	45.50	54	-8.50	AV	Horizontal	
				80	2.11n20					
2310.00	73.64	2.97	27.80	43.80	60.61	74	-13.39	Pk	Horizontal	
2310.00	60.09	2.97	27.80	43.80	47.06	54	-6.94	AV	Horizontal	
2310.00	75.19	2.97	27.80	43.80	62.16	74	-11.84	Pk	Vertical	
2310.00	58.09	2.97	27.80	43.80	45.06	54	-8.94	AV	Vertical	
2390.00	73.70	3.14	27.21	43.80	60.25	74	-13.75	Pk	Vertical	
2390.00	57.77	3.14	27.21	43.80	44.32	54	-9.68	AV	Vertical	
2390.00	72.93	3.14	27.21	43.80	59.48	74	-14.52	Pk	Horizontal	
2390.00	58.39	3.14	27.21	43.80	44.94	54	-9.06	AV	Horizontal	
2483.50	73.52	3.58	27.70	44.00	60.80	74	-13.20	Pk	Vertical	
2483.50	58.63	3.58	27.70	44.00	45.91	54	-8.09	AV	Vertical	
2483.50	75.15	3.58	27.70	44.00	62.43	74	-11.57	Pk	Horizontal	
2483.50	58.58	3.58	27.70	44.00	45.86	54	-8.14	AV	Horizontal	



#### Spurious Emission in Restricted Bands 3260MHz- 18000MHz

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

Frequency	Reading Level	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment			
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре				
	Low Channel (2412 MHz)(802.11b)											
3260	60.67	4.04	29.57	44.7	49.58	74	-24.42	Pk	Vertical			
3260	56.28	4.04	29.57	44.7	45.19	54	-8.81	AV	Vertical			
3260	61.86	4.04	29.57	44.7	50.77	74	-23.23	Pk	Horizontal			
3260	56.33	4.04	29.57	44.7	45.24	54	-8.76	AV	Horizontal			
17797	42.85	10.99	43.95	43.5	54.29	74	-19.71	Pk	Vertical			
17797	33.01	10.99	43.95	43.5	44.45	54	-9.55	AV	Vertical			
			High	Channel (24	62 MHz)(802.	.11b)						
3332	64.87	4.26	29.87	44.4	54.60	74	-19.40	Pk	Vertical			
3332	53.81	4.26	29.87	44.4	43.54	54	-10.46	AV	Vertical			
3332	62.85	4.26	29.87	44.4	52.58	74	-21.42	Pk	Horizontal			
3332	52.67	4.26	29.87	44.4	42.40	54	-11.60	AV	Horizontal			
17788	44.18	11.81	43.69	44.6	55.08	74	-18.92	Pk	Horizontal			
17788	31.99	11.81	43.69	44.6	42.89	54	-11.11	AV	Horizontal			

"802.11b" mode is the worst mode. When PK value is lower than the Average value limit, average don't record.

Other emissions are attenuated more than 20dB below the permissible limits, so it does not recorded in the report.



#### 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.

#### 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: Span = the frequency band of operation RBW = 100KHz VBW  $\ge$  3\*RBW Sweep = auto Detector function = peak Trace = max hold



#### 7.3.6 Test Results

EUT:	Mobile Phone	Model No.:	Venus
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Allen Liu

Test data reference attachment.



#### 7.4 DUTY CYCLE

#### 7.4.1 Applicable Standard

According to KDB 558074 D01 15.247 Meas Guidance v05r02 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

a) A diode detector and an oscilloscope that together have a sufficiently short response time to permit accurate measurements of the ON and OFF times of the transmitted signal.

b) 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:

1) Set the center frequency of the instrument to the center frequency of the transmission.

2) Set RBW  $\geq$  OBW if possible; otherwise, set RBW to the largest available value.

3) Set VBW  $\geq$  RBW. Set detector = peak or average.

4) 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 the duty cycle shall not be used if T  $\leq$  16.7 µs.)

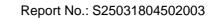
Measure T<sub>total</sub> and T<sub>on</sub>

Calculate Duty Cycle =  $T_{on} / T_{total}$ 

#### 7.4.6 Test Results

EUT:	Mobile Phone	Model No.:	Venus
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Allen Liu

Test data reference attachment.





#### 7.5 MAXIMUM 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 8.3.2.3.

#### 7.5.2 Conformance Limit

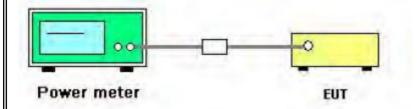
The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm). If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be 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 following table is the setting of the power meter.

Power meter parameter	Setting
Detector	РК

#### 7.5.4 Test Setup



#### 7.5.5 Test Procedure

The testing follows Measurement Procedure Subclause 11.9.1.3 of ANSI C63.10

#### 7.5.6 EUT operation during Test

The EUT was programmed to be in continuously transmitting mode.



#### 7.5.7 Test Results

EUT:	Mobile Phone	Model No.:	Venus
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Allen Liu

Test data reference attachment.



#### 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.

a) Set analyzer center frequency to DTS channel center frequency.

b) Set the span to 1.5 times the DTS bandwidth.

c) Set the RBW to:  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .

d) Set the VBW  $\geq$  3 \*RBW.

e) Detector = peak.

f) Sweep time = auto couple.

g) Trace mode = max hold.

h) Allow trace to fully stabilize.

i) Use the peak marker function to determine the maximum amplitude level within the RBW.

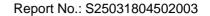
j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.



#### 7.6.6 Test Results

EUT:	Mobile Phone	Model No.:	Venus
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Allen Liu

Test data reference attachment.





#### 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:	Mobile Phone	Model No.:	Venus
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Allen Liu

Test data reference attachment.



#### 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.

#### 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.

Test data reference attachment.



#### 7.9 ANTENNA APPLICATION

#### 7.9.1 Antenna Requirement

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

#### 7.9.2 Result

The EUT antenna is permanent attached FPC Antenna (Gain:0.9dBi). It comply with the standard requirement.





# 8 TEST RESULTS

#### 8.1 DUTY CYCLE

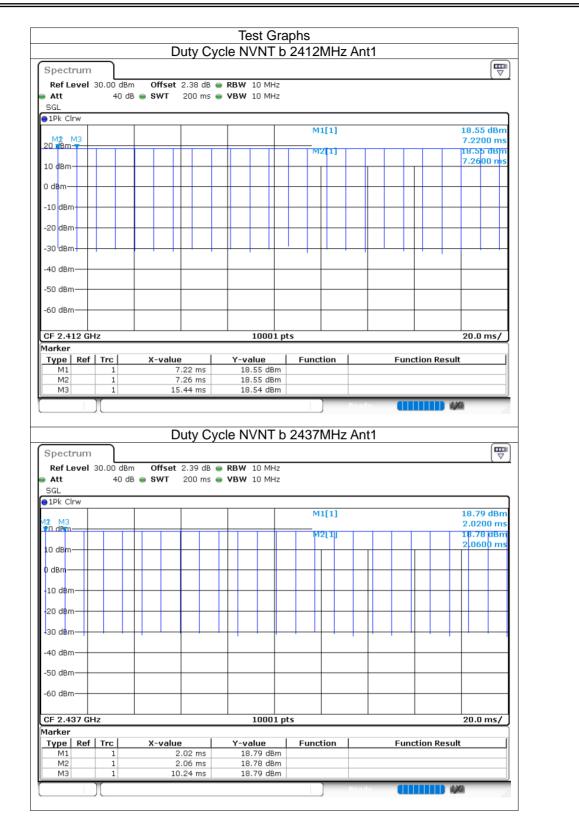
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.76	0.01	0.12
NVNT	b	2437	Ant1	99.75	0.01	0.12
NVNT	b	2462	Ant1	99.81	0.01	0.12
NVNT	g	2412	Ant1	97.98	0.09	0.74
NVNT	g	2437	Ant1	97.98	0.09	0.73
NVNT	g	2462	Ant1	97.98	0.09	0.74
NVNT	n20	2412	Ant1	97.56	0.11	0.87
NVNT	n20	2437	Ant1	97.54	0.11	0.87
NVNT	n20	2462	Ant1	97.56	0.11	0.87



ilac-MR

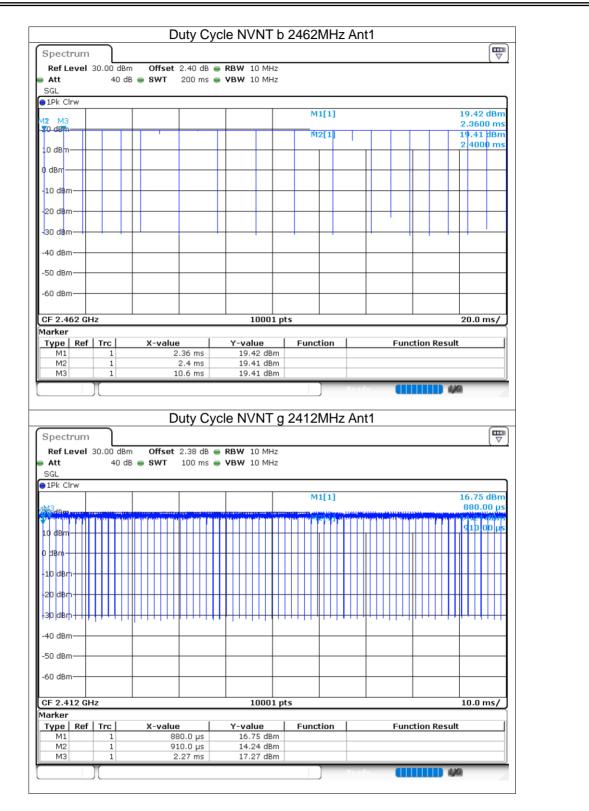
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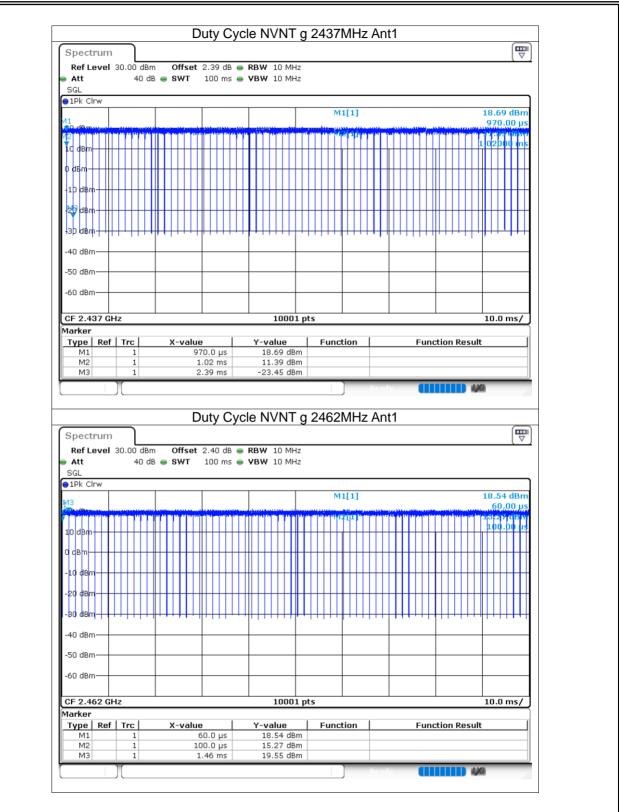




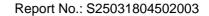


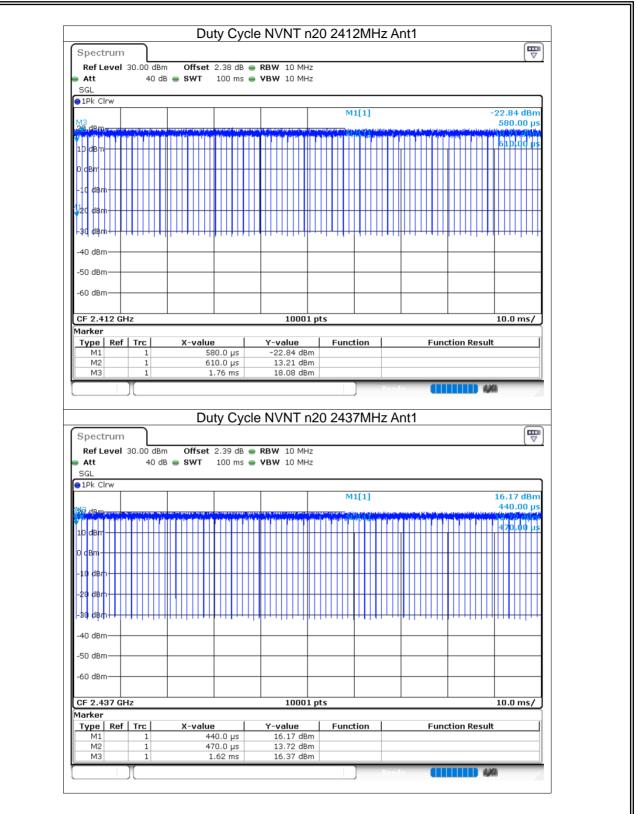








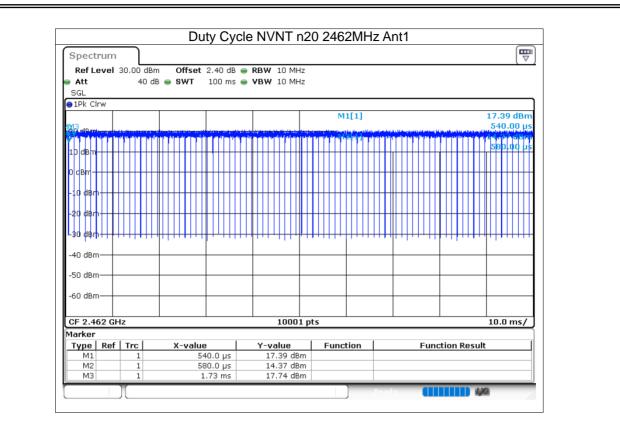








#### Report No.: S25031804502003







# 8.2 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	16.98	30	Pass
NVNT	b	2437	Ant1	16.95	30	Pass
NVNT	b	2462	Ant1	17.38	30	Pass
NVNT	g	2412	Ant1	14.64	30	Pass
NVNT	g	2437	Ant1	14.39	30	Pass
NVNT	g	2462	Ant1	14.9	30	Pass
NVNT	n20	2412	Ant1	13.35	30	Pass
NVNT	n20	2437	Ant1	13.51	30	Pass
NVNT	n20	2462	Ant1	13.87	30	Pass





### 8.3 -6DB BANDWIDTH

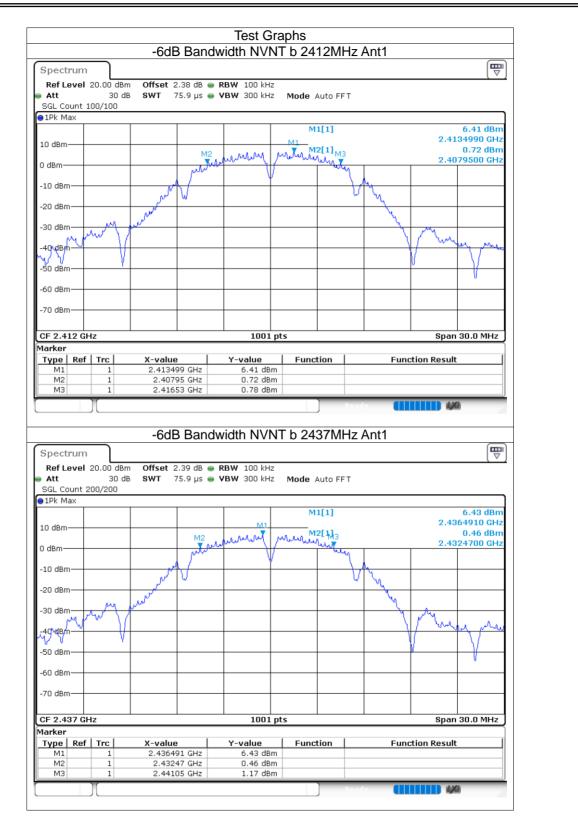
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.58	0.5	Pass
NVNT	b	2437	Ant1	8.58	0.5	Pass
NVNT	b	2462	Ant1	8.097	0.5	Pass
NVNT	g	2412	Ant1	16.302	0.5	Pass
NVNT	g	2437	Ant1	16.302	0.5	Pass
NVNT	g	2462	Ant1	16.116	0.5	Pass
NVNT	n20	2412	Ant1	17.715	0.5	Pass
NVNT	n20	2437	Ant1	17.391	0.5	Pass
NVNT	n20	2462	Ant1	16.878	0.5	Pass



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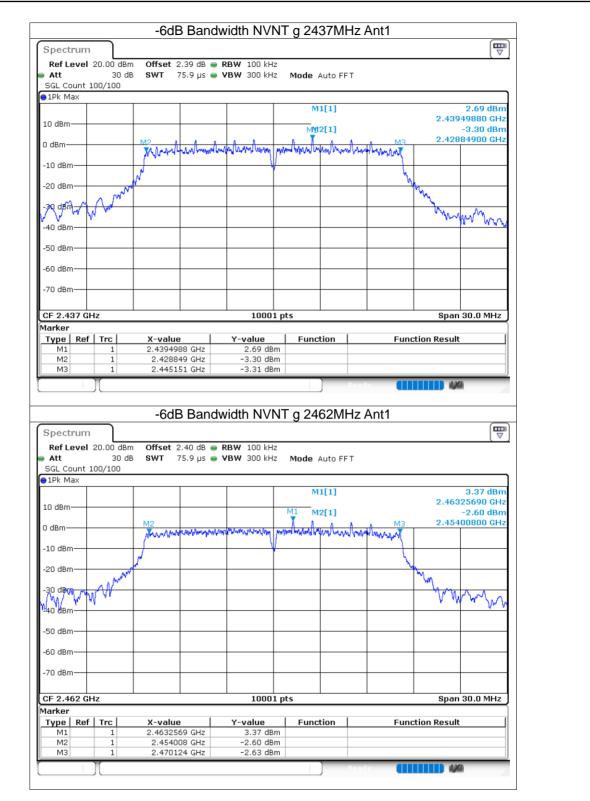




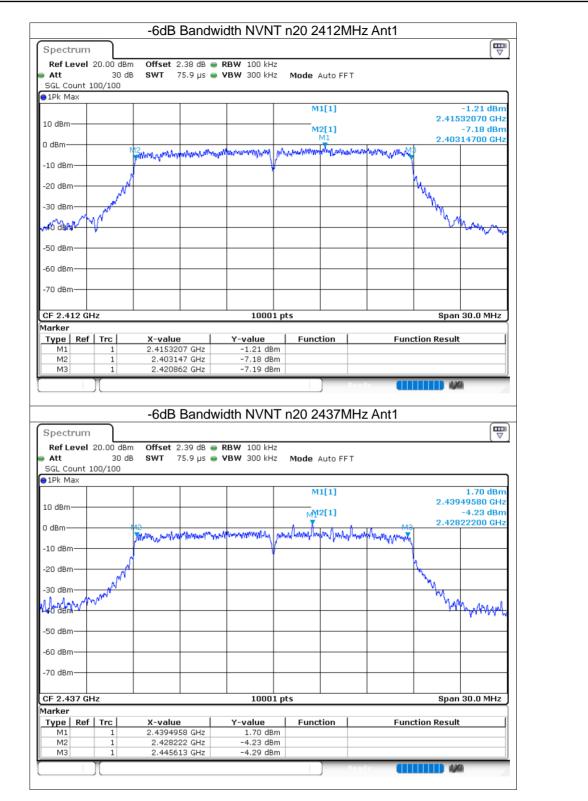




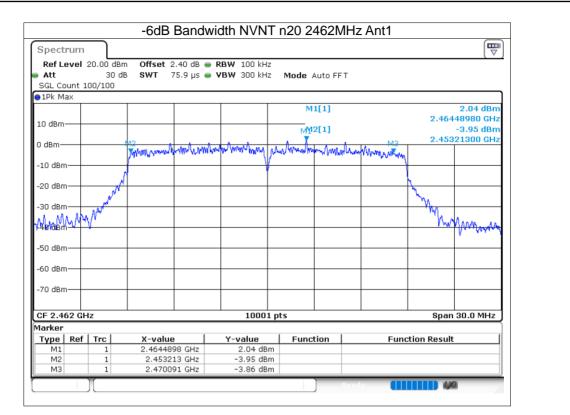
















### 8.4 OCCUPIED CHANNEL BANDWIDTH

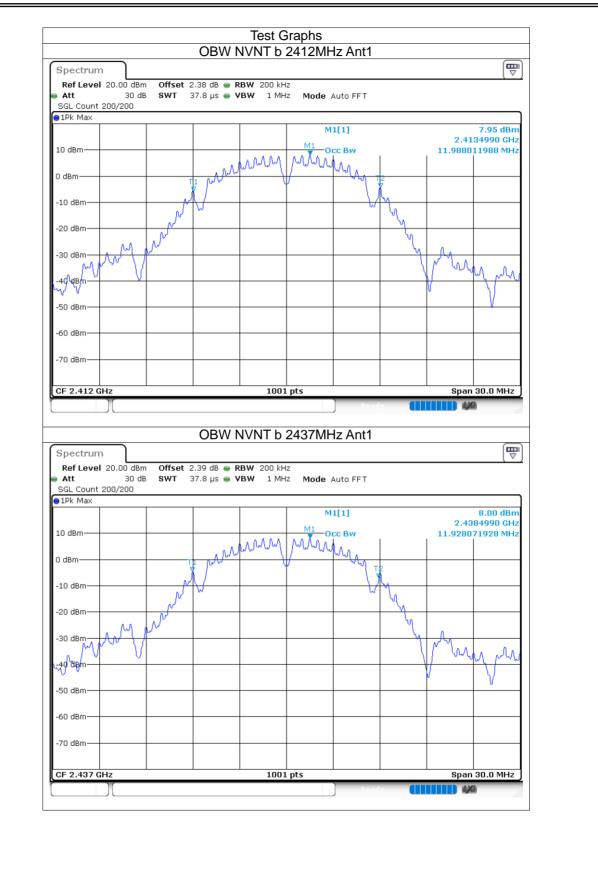
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	11.988
NVNT	b	2437	Ant1	11.928
NVNT	b	2462	Ant1	11.898
NVNT	g	2412	Ant1	16.699
NVNT	g	2437	Ant1	16.792
NVNT	g	2462	Ant1	16.594
NVNT	n20	2412	Ant1	17.695
NVNT	n20	2437	Ant1	17.599
NVNT	n20	2462	Ant1	17.674



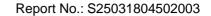
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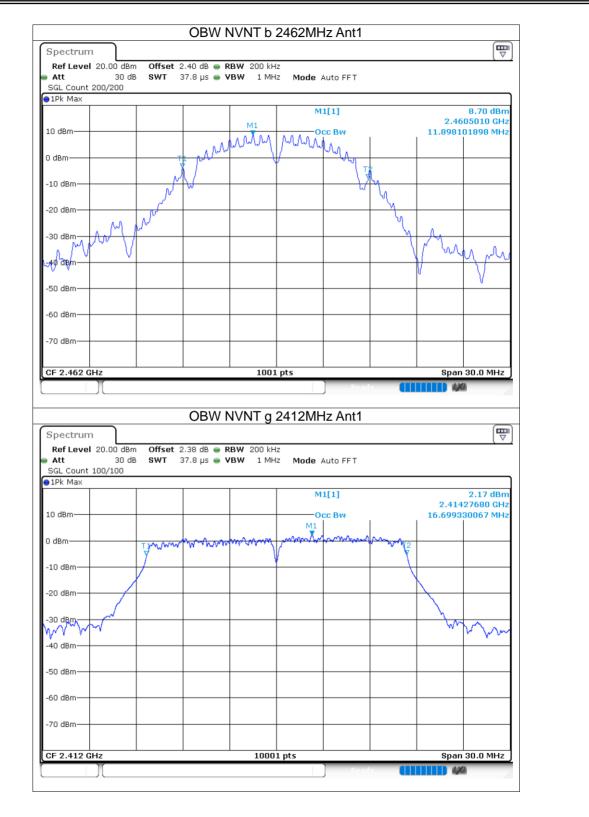
ACCREDITED



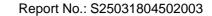










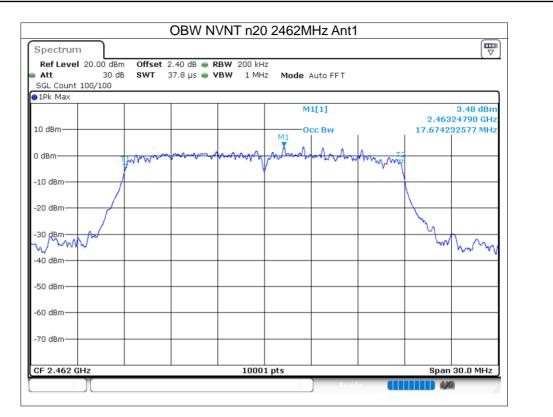
















## 8.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

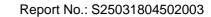
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	5.46	8	Pass
NVNT	b	2437	Ant1	5.59	8	Pass
NVNT	b	2462	Ant1	-8.56	8	Pass
NVNT	g	2412	Ant1	-12.69	8	Pass
NVNT	g	2437	Ant1	-12.77	8	Pass
NVNT	g	2462	Ant1	-11.65	8	Pass
NVNT	n20	2412	Ant1	-13.29	8	Pass
NVNT	n20	2437	Ant1	-12.97	8	Pass
NVNT	n20	2462	Ant1	-12.87	8	Pass

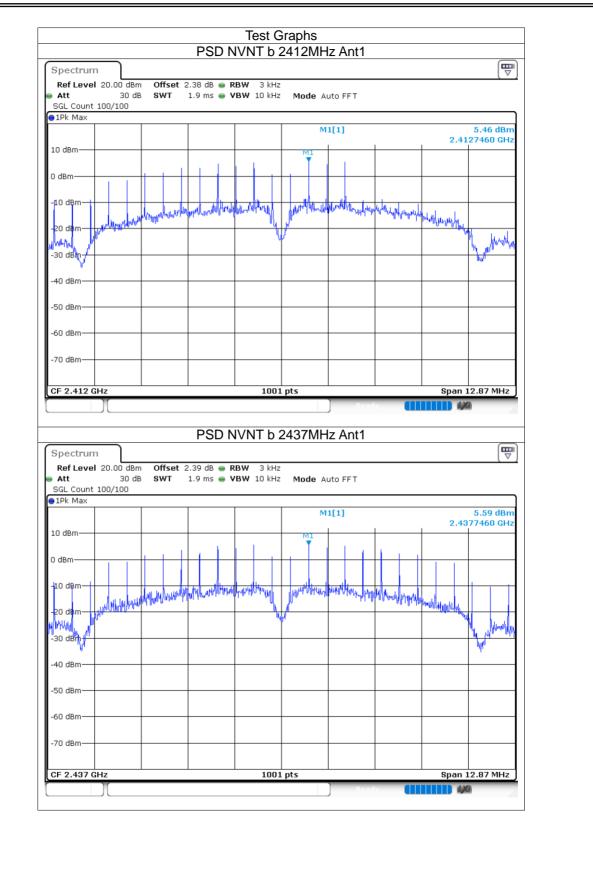
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Certificate #4298.01

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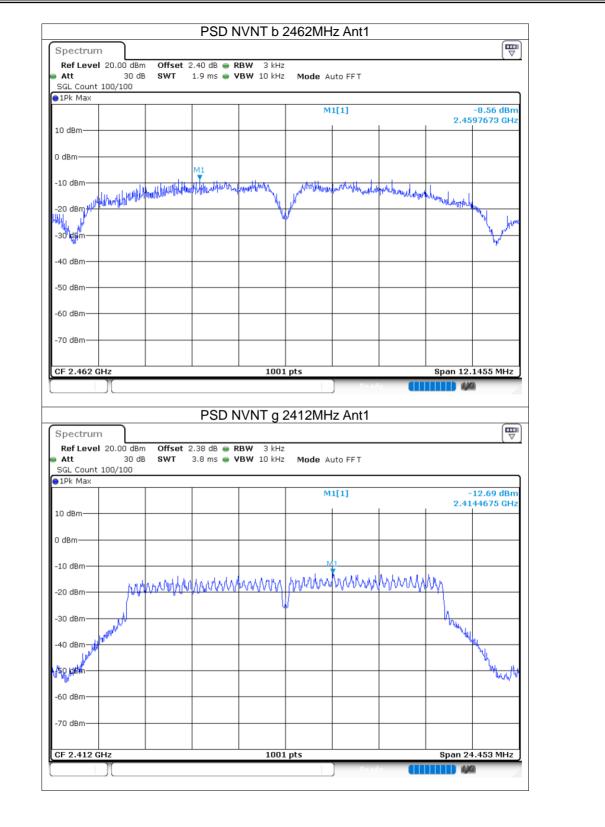






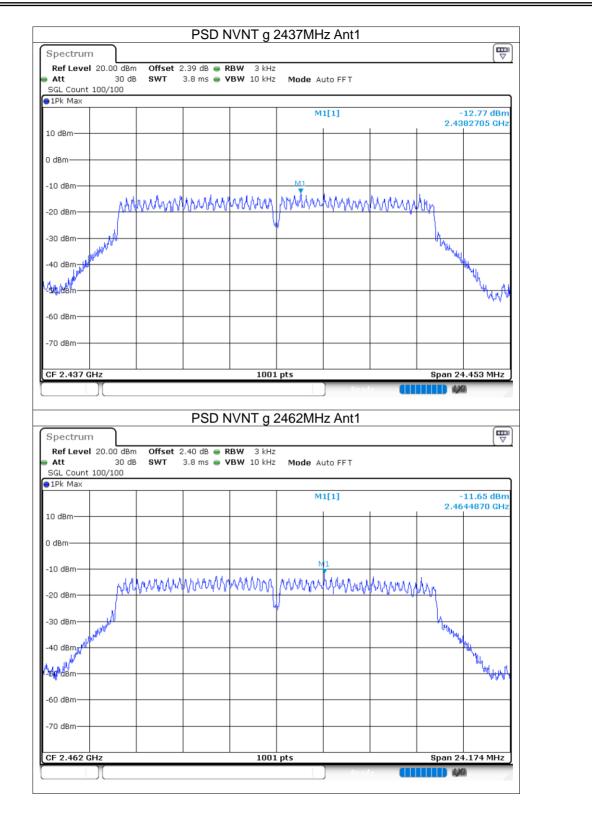






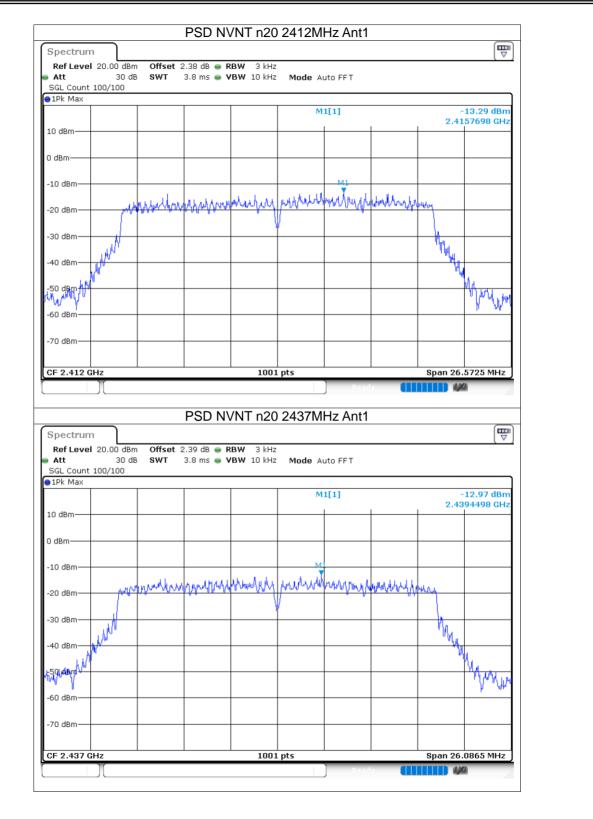
















Ref Level 20	.00 dBm (	Offset 2.	40 dB 🔵 R	BW 3 kHz					
Att		змт з	1.8 ms 👄 <b>V</b>	BW 10 kHz	Mode Au	uto FFT			
SGL Count 100, 1Pk Max	/100								
					M	1[1]		-	12.87 dBm
								2.45	95465 GHz
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-60 dBm									1 1
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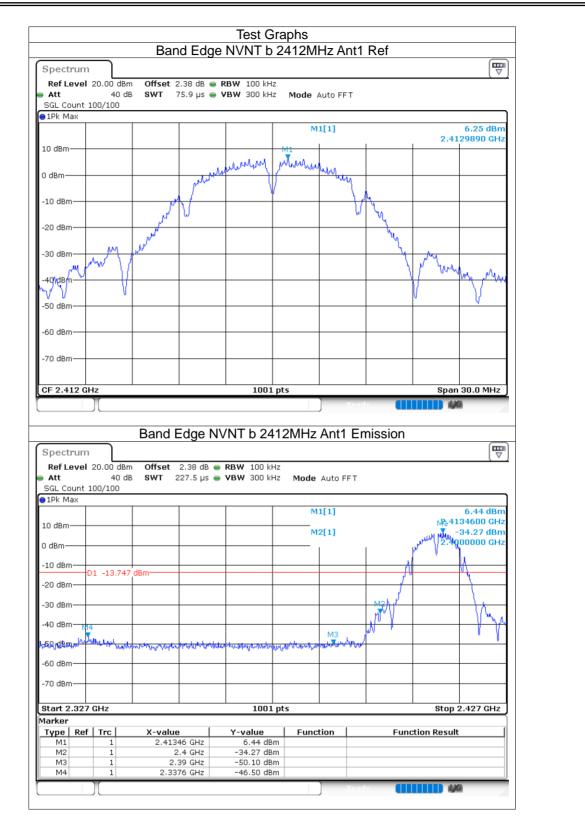


## 8.6 BAND EDGE

υ.							
	Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
	NVNT	b	2412	Ant1	-52.75	-20	Pass
	NVNT	b	2462	Ant1	-61.3	-20	Pass
Ī	NVNT	g	2412	Ant1	-50.21	-20	Pass
Ī	NVNT	g	2462	Ant1	-45.08	-20	Pass
ſ	NVNT	n20	2412	Ant1	-49.35	-20	Pass
Ī	NVNT	n20	2462	Ant1	-44.35	-20	Pass



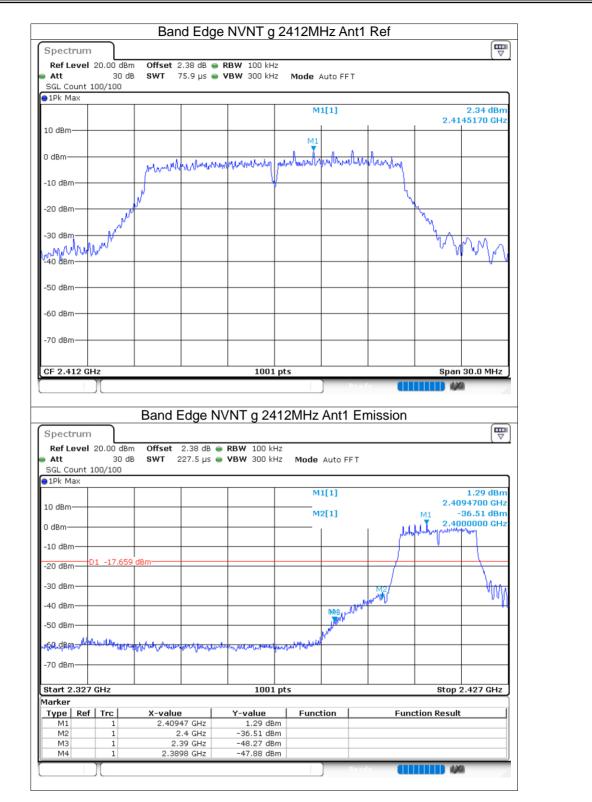




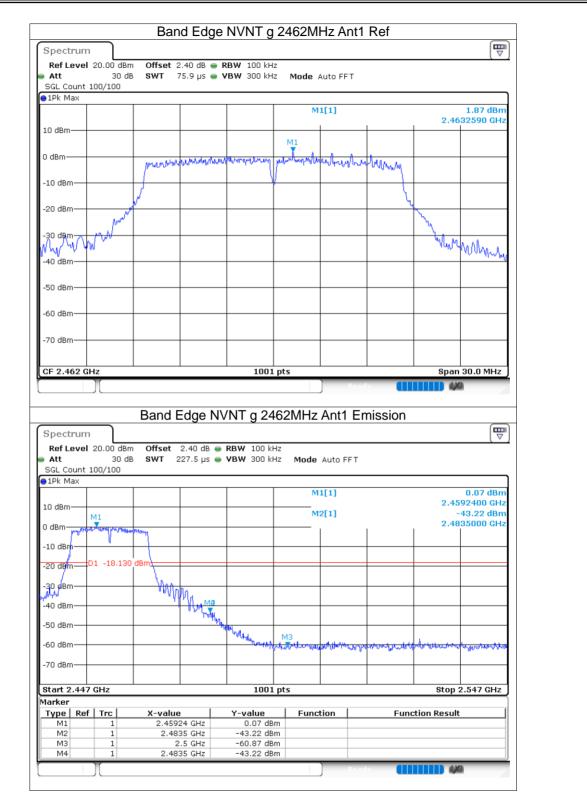














Spectru	Im				NVNT n20					1
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😑 1Pk Max	(									
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0 dBm						M1				
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		North Contraction						N.		
-30 dBm-	_									
		Mrd						N.		
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νv								1 V	Mr. Mar N	
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-70 dBm—	+							+	+	
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-	vel 2	20.00 dBi 30 d	n Offset 2	2.38 dB 🧉	/NT n20 24	12MHz Ant				_
Ref Lev Att	<b>vel</b> 2 nt 10	20.00 dBi 30 d	n Offset 2	2.38 dB 🧉	/NT n20 24	12MHz Ant Mode Auto F				
Ref Lev Att SGL Cour 1Pk Max	<b>vel</b> 2 nt 10	20.00 dBi 30 d	n Offset 2	2.38 dB 🧉	/NT n20 24	12MHz Ant		n	₩ (₩)	_
Ref Lev Att SGL Cour	<b>vel</b> 2 nt 10	20.00 dBi 30 d	n Offset 2	2.38 dB 🧉	/NT n20 24	12MHz Ant Mode Auto F		n 2.4	-0.57 dBm 195600 GHz	-
Ref Lev Att SGL Cour 1Pk Max	<b>vel</b> 2 nt 10	20.00 dBi 30 d	n Offset 2	2.38 dB 🧉	/NT n20 24	12MHz Ant Mode Auto F	ΈT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	-
Ref Lev Att SGL Cour 1Pk Max 10 dBm-	<b>vel</b> 2 nt 10	20.00 dBi 30 d	n Offset 2	2.38 dB 🧉	/NT n20 24	12MHz Ant Mode Auto F	ΈT	n 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	-
Ref Lev Att SGL Court 1Pk Max	<b>vel</b> 2 nt 10	20.00 dBi 30 d	n Offset 2	2.38 dB 🧉	/NT n20 24	12MHz Ant Mode Auto F	ΈT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	_
Ref Lev Att SGL Cour 1Pk Max 10 dBm-	/el 2	20.00 dBi 30 d 20/100	n Offset 2 B SWT 22	2.38 dB 🧉	/NT n20 24	12MHz Ant Mode Auto F	ΈT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	-
Ref Lev Att SGL Cour 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm-	/el 2	20.00 dBi 30 d 20/100	n Offset 2 B SWT 22	2.38 dB 🧉	/NT n20 24	12MHz Ant Mode Auto F	ΈT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	-
Ref Lev Att SGL Cour 1Pk Max 10 dBm- 0 dBm- -10 dBm-	/el 2	20.00 dBi 30 d 20/100	n Offset 2 B SWT 22	2.38 dB 🧉	/NT n20 24	12MHz Ant Mode Auto F M1[1] M2[1]	FT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	-
Ref Lev Att SGL Cour 1Pk Max 10 dBm- 0 dBm- -10 dBm- -20 dBm-	/el 2	20.00 dBi 30 d 20/100	n Offset 2 B SWT 22	2.38 dB 🧉	/NT n20 24	12MHz Ant Mode Auto F M1[1] M2[1]	FT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	-
Ref Lev Att SGL Cour 10 dBm	/el 2	20.00 dBi 30 d 20/100	n Offset 2 B SWT 22	2.38 dB 🧉	/NT n20 24	12MHz Ant Mode Auto F M1[1] M2[1]	ΈT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	
Ref Lev Att SGL Cour PIPK Max 10 dBm	/el 2	20.00 dBi 30 d 20/100	n Offset 2 B SWT 22	2.38 dB 27.5 μs	/NT n20 24 RBW 100 kHz YBW 300 kHz	12MHz Ant Mode Auto F 	FT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	
Ref Lev Att SGL Cour 10 dBm	/el 2	20.00 dBi 30 d 20/100	n Offset 2 B SWT 22	2.38 dB 27.5 μs	/NT n20 24 RBW 100 kHz YBW 300 kHz	12MHz Ant Mode Auto F M1[1] M2[1]	FT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	
Ref Lev Att SGL Cour PIPK Max 10 dBm	/el 2	20.00 dBi 30 d 20/100	n Offset 2 B SWT 22	2.38 dB 27.5 μs	/NT n20 24 RBW 100 kHz YBW 300 kHz	12MHz Ant Mode Auto F 	FT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	
Ref Lev Att SGL Cour 10 dBm	/el 2 nt 1( ; ; ; ; ; ; ; ; ; ;	20.00 dBr 30 d 30/100	n Offset 2 B SWT 22	2.38 dB 27.5 μs	/NT n20 24:	Mode Auto F Mode Auto F M1[1] M2[1] M2[1]	FT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000400 GHz 1/1/4	
Ref Lev Att SGL Cour 10 dBm	/el 2 nt 1( ; ; ; ; ; ; ; ; ; ;	20.00 dBr 30 d 30/100	n Offset 2 B SWT 22	2.38 dB 27.5 μs	/NT n20 24 RBW 100 kHz YBW 300 kHz	Mode Auto F Mode Auto F M1[1] M2[1] M2[1]	FT	n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 000000 GHz	
Ref Lev Att SGL Cour 9 1Pk Max 10 dBm	227 (	20.00 dB 30 d 30 d 00/100	n Offset 2 B SWT 22	2.38 dB 27.5 μs 27.5 μs	/NT n20 24'	12MHz Ant Mode Auto F M1[1] M2[1] M2[1]		n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 00000 GHz -44,44 	
Ref Lev Att SGL Cour 10 dBm	227 (	20.00 dB 30 d 30 d 00/100	n Offset 2 B SWT 22	2.38 dB 27.5 μs	/NT n20 24'	Mode Auto F Mode Auto F M1[1] M2[1] M2[1]		n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 00000 GHz -44,44 	
Ref Lev           Att           SG_Cour           9 1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           Start 2.3           Marker           Type In           M1           M2	227 (	20.00 dB 30 d 30 d 00/100 1 -19.04 GHz GHz Trc 1 1	n Offset 2 B SWT 22 dBm dBm dBm x-value 2.4195 2.	2.38 dB 27.5 μs 	/NT n20 24'	12MHz Ant Mode Auto F M1[1] M2[1] M2[1]		n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 00000 GHz -44,44 	
Ref Lev           Att           SGL Course           9 IPk Max           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           Start 2.3           Marker           Type I	227 (	20,00 dBa 30 d 00/100 1 -19.044 GHz Trc 1	n Offset 2 B SWT 22	2,38 dB 27.5 μs 27.5 μs 27	/NT n20 24 RBW 100 kHz VBW 300 kHz VBW 30	12MHz Ant Mode Auto F M1[1] M2[1] M2[1]		n 2.4 2.4	-0.57 dBm 195600 GHz -34,31 dBm 00000 GHz -44,44 	







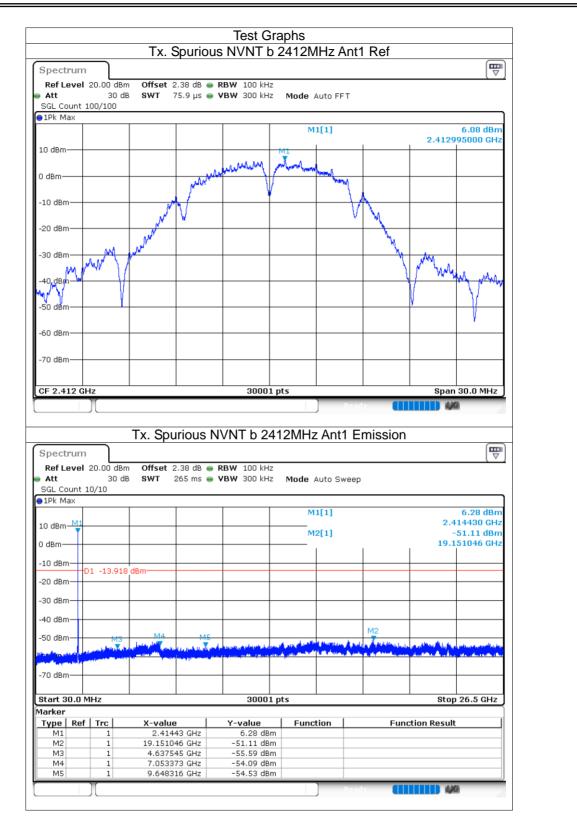


# 8.7 CONDUCTED RF SPURIOUS EMISSION

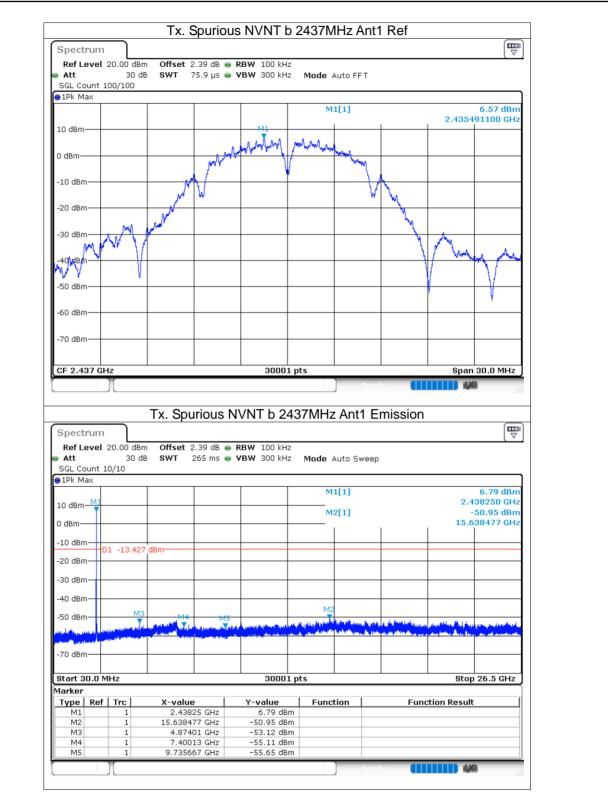
0							
	Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
	NVNT	b	2412	Ant1	-57.18	-20	Pass
	NVNT	b	2437	Ant1	-57.52	-20	Pass
	NVNT	b	2462	Ant1	-57.35	-20	Pass
	NVNT	g	2412	Ant1	-50.5	-20	Pass
	NVNT	g	2437	Ant1	-50.19	-20	Pass
	NVNT	g	2462	Ant1	-50.55	-20	Pass
	NVNT	n20	2412	Ant1	-49.48	-20	Pass
	NVNT	n20	2437	Ant1	-50.18	-20	Pass
	NVNT	n20	2462	Ant1	-50.22	-20	Pass



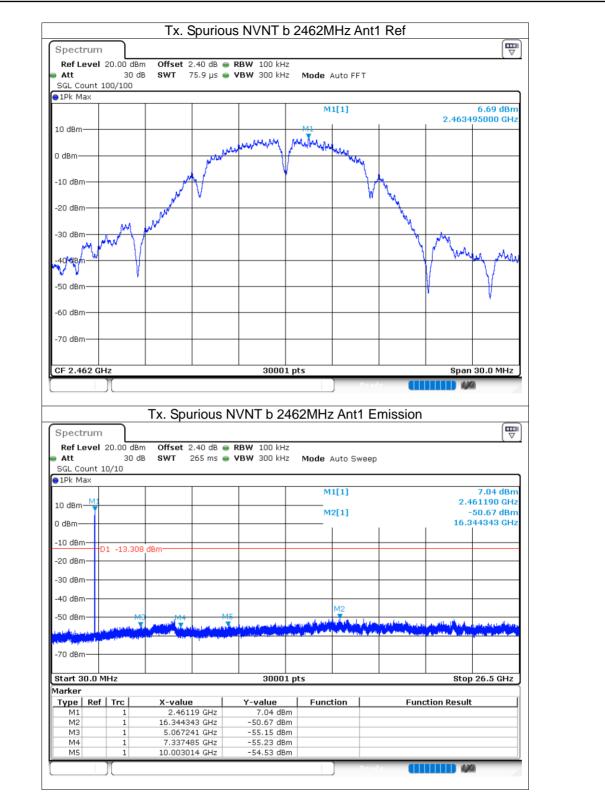












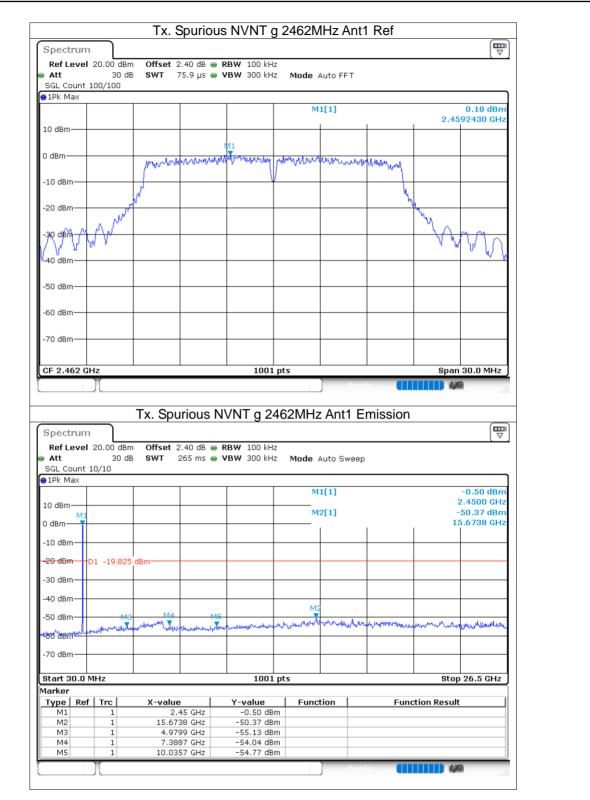


Att SGL Co	e <b>vel</b> unt 1	20.00 dBr 30 d 00/100	n Offset 2.3	38 dB 👄	JS NVNT g					
∍1Pk Ma	эх					M	1[1]			-0.54 dBm
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10 dBm-										
0 dBm—						Norwaylyn	M1 AUMUMMU			
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Att	rum	20.00 dBr 30 d	n Offset 2.3	38 dB 👄	NVNT g 24	I12MHz	Contraction Contractico Contra			
Specti Ref Le	rum evel	20.00 dBr 30 d	n Offset 2.3	38 dB 👄	NVNT g 24	112MHz Mode A	auto Sweep		Spar	
Specti Ref Le Att SGL Co 1Pk Ma	rum evel	20.00 dBr 30 d	n Offset 2.3	38 dB 👄	NVNT g 24	112MHz Mode A				-0.77 dBm
Specta Ref Le Att SGL Co 1Pk Ma 10 dBm-	rum evel	20.00 dBr 30 d	n Offset 2.3	38 dB 👄	NVNT g 24	Mode A	auto Sweep			-0.77 dBm 2.4230 GHz 51.04 dBm
Specti Ref Le Att SGL Co 1Pk Ma	rum evel unt 1 ax	20.00 dBr 30 d	n Offset 2.3	38 dB 👄	NVNT g 24	Mode A	uto Sweep L[1]			-0.77 dBm 2.4230 GHz
Specta Ref Le Att SGL Co 1Pk Ma 10 dBm-	rum evel unt 1 ex	20.00 dBr 30 d	n Offset 2.3	38 dB 👄	NVNT g 24	Mode A	uto Sweep L[1]			-0.77 dBm 2.4230 GHz 51.04 dBm
Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- 0 dBm- -10 dBm	rum evel unt 1 ex	20.00 dBr 30 d	n Offset 2.: B SWT 26	38 dB 👄	NVNT g 24	Mode A	uto Sweep L[1]			-0.77 dBm 2.4230 GHz 51.04 dBm
Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- 0 dBm- -10 dBm	rum evel unt 1 ax M1	)( 20.00 dBi 30 d 0/10	n Offset 2.: B SWT 26	38 dB 👄	NVNT g 24	Mode A	uto Sweep L[1]			-0.77 dBm 2.4230 GHz 51.04 dBm
Specta Ref Le Att SGL Co 1Pk Ma 10 dBm- 0 dBm- -10 dBm-	rum evel unt 1 ax M1	)( 20.00 dBi 30 d 0/10	n Offset 2.: B SWT 26	38 dB 👄	NVNT g 24	Mode A	uto Sweep L[1]			-0.77 dBm 2.4230 GHz 51.04 dBm
Spectu Ref Le Att SGL Co 10 dBm- 10 dBm- -10 dBm- -20 dBm -30 dBm	rum evel unt 1 ax M1	20.00 dBr 30 d 0/10	n Offset 2.: B SWT 26	38 dB 👄	NVNT g 24 RBW 100 kHz VBW 300 kHz	Mode A	uto Sweep 1[1] 2[1]			-0.77 dBm 2.4230 GHz 51.04 dBm
Specta Ref La SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -30 dBm	rum evel unt 1 ax	)( 20.00 dBi 30 d 0/10	n Offset 2.: B SWT 26	38 dB 👄	NVNT g 24 <b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode A	uto Sweep 1[1] 2[1]			-0.77 dBm 2.4230 GHz 51.04 dBm
Specta Ref Le SGL Co IPk Ma 10 dBm- -10 dBm- -20 dBm -30 dBm -40 dBm -50 dBm	M1	) (	n Offset 2.: B SWT 26	38 dB • 55 ms •	NVNT g 24 <b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode A	uto Sweep 1[1] 2[1]			-0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz
Specta Ref Le SGL Co IPk Ma 10 dBm- -10 dBm- -20 dBm -30 dBm -40 dBm -50 dBm	M1	) (	n Offset 2.: B SWT 26	38 dB • 55 ms •	NVNT g 24 <b>RBW</b> 100 kHz <b>VBW</b> 300 kHz	Mode A	uto Sweep 1[1] 2[1]			-0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz
Specta Ref La SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm	M1	20.00 dBr 30 d 0/10 1 -20.54	n Offset 2.: B SWT 26	38 dB • 55 ms •	NVNT g 24	Mode A	uto Sweep 1[1] 2[1]			-0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz
Specta Ref La SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -30 dBm	M1	20.00 dBn 30 d 0/10 1 -20.54%	m Offset 2.: B SWT 26	38 dB • 55 ms •	NVNT g 24 RBW 100 kHz VBW 300 kHz	Mode A	uto Sweep 1[1] 2[1]	eyd Mar Mar		-0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz
Spectr Ref Le SGL Co 1Pk Ma 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -70 dBm 50 dBm -70 dBm Start 3 Marker Type	M1	) (	n Offset 2.3 B SWT 26	38 dB = 55 ms =	NVNT g 24	Mode A Mode A M3 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	uto Sweep 1[1] 2[1]	eyd Mar Mar		-0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz
Specta Ref La SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm -20 dBm -20 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm Start 3 Marker Type M1 M2	M1	20.00 dBr 30 d 0/10 1 -20.54 1 -20.54 1 Hz Hz	m Offset 2.: B SWT 26 B SWT 26 B SWT 26 C C C C C C C C C C C C C C C C C C C	38 dB 55 ms	NVNT g 24 RBW 100 kHz VBW 300 kHz	Mode A Mode A M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	uto Sweep 1[1] 2[1]	eyd Mar Mar		-0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz
Specta Ref Le SGL Co IPk Ma ID dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm -50 dBm -70 dBm Start 3 Warker Type M1	M1	20.00 dBr 30 d 0/10 1 -20.54 1 -20.54	n Offset 2.: B SWT 26 B SWT 26 SWT 26 SWT 26 SWT 26 SWT 26 SWT 26 SWT 26 SWT 26 SWT	38 dB 55 ms	NVNT g 24 RBW 100 kHz VBW 300 kHz	Mode A Mode A M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3 M3	uto Sweep 1[1] 2[1]	eyd Mar Mar		-0.77 dBm 2.4230 GHz 51.04 dBm 6.9122 GHz



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	' <b>L</b> 20.00 dBm	Offset 2.3	39 dB 👄	RBW 100 kHz					( > )
Att	30 dB			<b>VBW</b> 300 kHz		ito FFT			
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Spectrum	)(			IVNT g 24	37MHz	Pear Ant1 E	mission		
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-	20.00 dBm 30 dB	Offset 2.3	39 dB 👄	IVNT g 24	37MHz		mission		
Ref Level Att	20.00 dBm 30 dB	Offset 2.3	39 dB 👄	IVNT g 24 RBW 100 kHz	37MHz Mode Au	ito Sweep	mission		
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 2.3	39 dB 👄	IVNT g 24 RBW 100 kHz	37MHz	ito Sweep	mission		-0.92 dBm
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 2.3	39 dB 👄	IVNT g 24 RBW 100 kHz	37MHz Mode Au	ito Sweep	mission		
Ref Level Att SGL Count 1Pk Max	20.00 dBm 30 dB	Offset 2.3	39 dB 👄	IVNT g 24 RBW 100 kHz	37MHz Mode Au	ito Sweep	mission		-0.92 dBm 2.4500 GHz
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Main         Main           10 dBm         M1           0 dBm         M1           -10 dBm         -10 dBm           -20 dBm         -30 dBm	D1 -20.472	dBm	39 dB ● 55 ms ●	IVNT g 24	Mode Au Mode Au M1 M2	(1) (1) (1) (1) (1)			-0.92 dBm .4500 GHz 50.67 dBm .7061 GHz
Mathematical Count           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	D1 -20.472	dBm	39 dB 🖷	IVNT g 24	Mode Au Mode Au M1 M2	(1) (1) (1) (1) (1)			-0.92 dBm .4500 GHz 50.67 dBm
Mail         Mail           10 dBm         M1           0 dBm         M1           -10 dBm         -10 dBm           -20 dBm         -30 dBm           -30 dBm         -50 dBm	D1 -20.472	dBm	39 dB ● 55 ms ●	IVNT g 24	Mode Au Mode Au M1 M2	(1) (1) (1) (1) (1)			-0.92 dBm .4500 GHz 50.67 dBm .7061 GHz
Mathematical         Mathematical           10 dBm         10 dBm           10 dBm         10 dBm           -10 dBm         -10 dBm           -30 dBm         -30 dBm           -30 dBm         -30 dBm	D1 -20.472	dBm	39 dB ● 55 ms ●	IVNT g 24	Mode Au Mode Au M1 M2	(1) (1) (1) (1) (1)			-0.92 dBm .4500 GHz 50.67 dBm .7061 GHz
Mathematical SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -70 dBm	D1 -20.472	dBm	39 dB ● 55 ms ●	IVNT g 24	Mode Au Mode Au M11 M2	(1) (1) (1) (1) (1)		2 - 16 	-0.92 dBm 2,4500 GHz 50.67 dBm 5.7061 GHz
Main         Main           10 dBm         M1           0 dBm         M1           -10 dBm         -10 dBm           -20 dBm         -30 dBm           -30 dBm         -50 dBm	D1 -20.472	dBm	39 dB ● 55 ms ●	IVNT g 24	Mode Au Mode Au M11 M2	(1) (1) (1) (1) (1)		2 - 16 	-0.92 dBm .4500 GHz 50.67 dBm .7061 GHz
Marker           Type	D1 -20.472	dBm	39 dB ● 55 ms ● 	IVNT g 24	Mode Au Mode Au M1 M2 http://www.wiki	ito Sweep [1] [1] [1] [1]	han a the second s	2 - 16 	-0.92 dBm 2.4500 GHz 50.67 dBm 5.7061 GHz
Marker           Type         Ref	D1 -20.472	Offset 2.3           SWT 26           dBm           dBm	39 dB ● 55 ms ● 	IVNT g 24	Mode Au Mode Au M1  M2	ito Sweep [1] [1] [1] [1]	han a the second s	2 	-0.92 dBm 2.4500 GHz 50.67 dBm 5.7061 GHz
Mathematical Count           Att           SGL Count           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -70 dBm           -70 dBm           -70 dBm           Marker           Type         Ret           M1           M2	D1 -20.472	dBm X-value 2.45 2.45 2.45 16.7061	39 dB ) 55 ms ) 	IVNT g 24	Mode Au Mode Au M11 M2 M2 M2 M2 M2 M2 M2 M2 M2 M2	ito Sweep [1] [1] [1] [1]	han a the second s	2 	-0.92 dBm 2.4500 GHz 50.67 dBm 5.7061 GHz
Marker           Type         Ref	D1 -20.472	Offset 2.3           SWT 26           dBm           dBm	39 dB 55 ms 55 ms 55 ms 55 ms 55 ms 55 ms 55 ms 5 ms 5 ms 5 ms 5 ms 7 GHz 7 GHz 7 GHz 7 GHz 1	IVNT g 24	Mode Au Mode Au M11 M2 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M2 M1 M1 M2 M1 M1 M2 M1 M1 M2 M1 M1 M2 M1 M1 M1 M1 M2 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1 M1	ito Sweep [1] [1] [1] [1]	han a the second s	2 	-0.92 dBm 2.4500 GHz 50.67 dBm 5.7061 GHz







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-	um vel 20.00 dE 30	Bm Offset 2	.38 dB (	VVNT n20 2	z			איז <b>איז איז איז איז איז איז איז איז איז איז </b>	
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Ref Leve Att SGL Court 1Pk Max	/el 20.00 dE 30 nt 10/10	Bm Offset 2	.38 dB (	<b>• RBW</b> 100 kH	z Mode / M	Auto Sweep		:	-1.58 dBm 2.4230 GHz 50.71 dBm
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Ref Lev           Att           SGL Court           SGL Court           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -70 dBm           Start 30.           Marker           Type	vel 20,00 df 30 nt 10/10	Am Offset 2 dB SWT 2 27 dBm 13 M4 13 M4 14 M4 X-value		RBW 100 kH     VBW 300 kH	z Mode / M M M m m m m m m m m m m m m m m m m	Auto Sweep 1[1] 2[1] 		2 	
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Ref Lev           Att           SGL Court           SGL Court           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -50 dBm           -70 dBm	vel 20.00 df 30 nt 10/10 01 -21.22 01 -21.22 0 0.0 MHz Ref Trc 1 1 1 1	Bit         Offset 2           dB         SWT           dB         SWT           27         dBm           12         Max           13         Max           14         Max           15         Max           16         SWT           17         GBm           27         Max           18         Max           19         Max           12         Max           13         Max           14         Max           17         GB           17.61         4.920		RBW 100 kH     VBW 300 kH     VBW 300 kH     U	z z Mode / M س س pts Func m m m	Auto Sweep 1[1] 2[1] 		: 1 پاسرالیمین <sup>ر</sup> ایدرمیر Stop	
Ref Lev           Att           SGL Course           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -70 dBm           50 dBm           -70 dBm           Marker           Type Is           M1           M2	rel 20.00 df 30 nt 10/10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Bim Offset 2 dB SWT 2 27 dBm 27 dBm 33 jiii 34 jiiii 34 jiiiii 34 jiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	.38 dB (265 ms (	RBW 100 kH     VBW 300 kH     V	z Mode / / /////////////////////////////////	Auto Sweep 1[1] 2[1] 		: 1 پاسرالیمین <sup>ر</sup> ایدرمیر Stop	



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-	'' I 20.00 dBn	Offset 23	39 dA ค	<b>RBW</b> 100 kHz					(∀)	
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SGL Count	: 100/100									
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Ref Leve Att SGL Count 1Pk Max 10 dBm -10 dBm -10 dBm	n 20.00 dBn 30 dE 10/10	n Offset 2.3 3 SWT 26	39 dB 👄	RBW 100 kHz	Mode A	uto Sweep [1]			1.35 dBm 2.4230 GHz -50.69 dBm	_
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Ref Leve Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 30 dBn 30 dE : 10/10	n Offset 2.3 3 SWT 26	39 dB 👄	RBW 100 kHz	Mode A 	uto Sweep [1]			1.35 dBm 2.4230 GHz -50.69 dBm	_
Ref Leve Att SGL Count 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	n 30 dE : 10/10	dBm	39 dB 🖷	RBW 100 kHz VBW 300 kHz	Mode A	uto Sweep [1] [1]		1	1.35 dBm 2.4230 GHz -50.69 dBm 6.3355 GHz	
Ref Leve Att SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	n 30 dB 30 dE : 10/10	dBm	39 dB 🖷	RBW 100 kHz	Mode A	uto Sweep [1] [1]		1	1.35 dBm 2.4230 GHz -50.69 dBm 6.3355 GHz	
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Ref Leve Att SGL Count SGL Count 10 dBm 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -50 dBm -50 dBm -70 dBm	n 30 dE 30 dE 10/10	dBm	39 dB 🖷	RBW 100 kHz VBW 300 kHz	Mode A	uto Sweep [1] [1] [1] [1]		L Marken	1.35 dBm 2.4230 GHz -50.69 dBm 6.3355 GHz	
Ref Leve           Att           SGL Count           SGL Count           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -70 dBm           Start 30.0           Marker           Type         Re	n 30 dE 30 dE 10/10 D1 -20.499 MD Aur#utuMMutum MHz	dBm	39 dB ● 55 ms ● 1/15	RBW 100 kHz VBW 300 kHz	Mode A M1 M2 	uto Sweep [1] [1] [1] [1]	allarity roll in second	L Marken	1.35 dBm 2.4230 GHz -50.69 dBm 6.3355 GHz	
Ref Leve           Att           SGL Count           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -70 dBm           Start 30.0           Marker           Type         Re           M1	n 30 dE 30 dE 30 dE 10/10 01 -20,499 01 -20,490 01 -20,	dBm dBm vmvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv	39 dB ● 55 ms ●	RBW 100 kHz VBW 300 kHz VBW 100 kHz VBW 1	Mode A M1 M2 M2 say, Jyluvit star pts Funct	uto Sweep [1] [1] [1] [1]	allarity roll in second	J Jun Markark Sto	1.35 dBm 2.4230 GHz -50.69 dBm 6.3355 GHz	
Ref Leve           Att           SGL Count           SGL Count           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm           -50 dBm           -70 dBm           Start 30.0           Marker           Type           M1           M2           M3	n 1 20.00 dBn 30 dE 10/10 1 1 1 1 1 1 1 1 1 1 1	dBm X-value 2.422 4.8211	39 dB 55 ms	RBW 100 kHz VBW 300 kHz	Mode A M1 M2 m2 m4 m2 m4 m4 m4 m4 m4 m4 m4 m4 m4 m4 m4 m4 m4	uto Sweep [1] [1] [1] [1]	allarity roll in second	J Jun Markark Sto	1.35 dBm 2.4230 GHz -50.69 dBm 6.3355 GHz	
Ref Leve           Att           SGL Count           IO dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -70 dBm           Start 30.0           Marker           Type           M1           M2	n 30 df 1 20.00 dBn 30 df 1 10/10	dBm K-value 2.422 16.3355	139 dB 55 ms 55 ms 155 m	RBW 100 kHz VBW 300 kHz	Mode A	uto Sweep [1] [1] [1] [1]	allarity roll in second	J Jun Markark Sto	1.35 dBm 2.4230 GHz -50.69 dBm 6.3355 GHz	



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Spect Ref L	rum evel	20.00 dB 30 d	m Offset 2	2.40 dB 👄	VNT n20	2462MF <sup>12</sup> <sup>12</sup> Mode	Auto Sweep				
Spect Ref L Att SGL Co	rum evel	20.00 dB 30 d	m Offset 2	2.40 dB 👄	VNT n20	2462MH	Auto Sweep			0.39 dBm 2.4500 GHz	
Spect Ref Li Att SGL Cc P1Pk M 10 dBm	rum evel	20.00 dB 30 d	m Offset 2	2.40 dB 👄	VNT n20	2462MH	Auto Sweep		n	0.39 dBm 2.4500 GHz -50.69 dBm	
Spect RefL SGL Cc PIPk M 10 dBm 0 dBm-	rum evel ount ax	20.00 dB 30 d	m Offset 2	2.40 dB 👄	VNT n20	2462MH	Auto Sweep		n	0.39 dBm 2.4500 GHz	
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END OF REPORT