

## FCC RADIO TEST REPORT FCC ID: 2AUDF-CG52X

Product: Smart Battery Camera

Trade Mark: N/A Model No.: CG5 Family Model: CG5A, X87 Report No.: S21092500206001 Issue Date: Oct 28. 2021

#### **Prepared for**

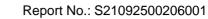
Shenzhen ADDX Innovation Technology co., LTD

NO.2902, Building 9A-1. Shenzhen Bay Technology and Ecological Park , Nanshan District, Shenzhen, China

### Prepared by

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

Applicant's name:	Shenzhen ADDX Innovation Technology co., LTD	
Address:	NO.2902,Building 9A-1.Shenzhen Bay Technology and Ecological Park ,Nanshan District,Shenzhen,China	
Manufacturer's Name:	Shenzhen ADDX Innovation Technology co., LTD	
Address:	NO.2902,Building 9A-1.Shenzhen Bay Technology and Ecological Park ,Nanshan District,Shenzhen,China	
Product description		
Product name:	Smart Battery Camera	
Model and/or type reference:	CG5	
Family Model:	CG5A, X87	

#### 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.

Date of Test	:	Sep 25, 2021 ~ Oct 27, 2021
Testing Engineer	:	Muhzi Lee (Mukzi Lee)
Authorized Signatory	:	(Alex Li)



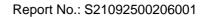
FCC Part15 (15.247), Subpart C					
Standard Section	Test Item	Verdict	Remark		
15.207	Conducted Emission	PASS			
15.247 (a)(2)	6dB Bandwidth	PASS			
15.247 (b) Maximum Output Power		PASS			
15.209 (a)Radiated Spurious Emission15.205 (a)		PASS			
15.247 (e) Power Spectral Density		PASS			
15.247 (d) 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.

2. 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 1/F, Building E, Fenda Science Park Sanwei, Xixiang, Bao'an District Shenzhen, Guangdong, China The sites are constructed in conformance with the requirements of ANSI C63 7, ANSI C63 10 and CIS

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

#### 3.2 LABORATORY ACCREDITATIONS AND LISTINGS

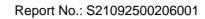
Site Description	
CNAS-Lab.	: The Certificate Registration Number is L5516.
IC-Registration	The Certificate Registration Number is 9270A.
	CAB identifier:CN0074
FCC- Accredited	Test Firm Registration Number: 463705.
	Designation Number: CN1184
A2LA-Lab.	The Certificate Registration Number is 4298.01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

#### 3.3 MEASUREMENT UNCERTAINTY

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

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

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#### 4 GENERAL DESCRIPTION OF EUT

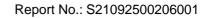
Product Feature and Specification					
Equipment	Smart Battery Camera				
Trade Mark	N/A				
FCC ID	2AUDF-CG52X				
Model No.	CG5				
Family Model	CG5A, X87				
Model Difference	All models are the same circuit and RF module, except the exterior.				
Operating Frequency	2412-2462MHz for 802.11b/g/11n(HT20);				
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	Rod Antenna				
Antenna Gain	1.4dBi				
Power supply	DC 3.7V from battery or DC 5V from USB port.				
Adapter	N/A				
Battery	DC 3.7V,9000mAh,33.3Wh				
HW Version	V1				
SW Version	V0.4.1				
Series No.	S210925002006				

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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.





Revision History							
Report No.	Report No.         Version         Description         Issued Date						
S21092500206001	Rev.01	Initial issue of report	Oct 28, 2021				

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#### 5 DESCRIPTION OF TEST MODES

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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.

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;): 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

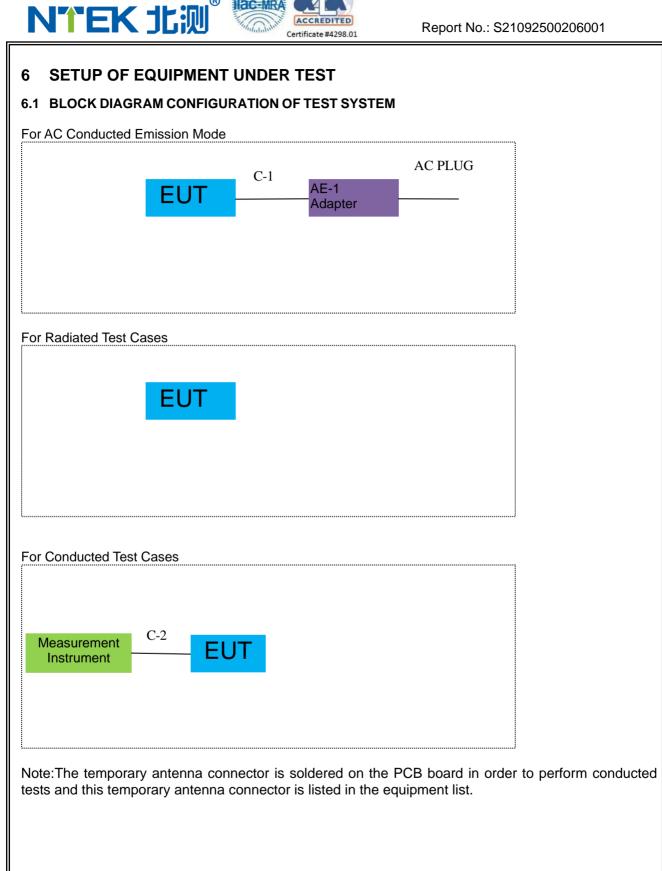
Note: fc=2412MHz+(k-1)×5MHz k=1 to 11

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

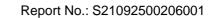




Fest Mode:					
Test Items	Mode	Data Rate	Channel	Ant	
AC Power Line Conducted Emissions	Normal Link	-	-	-	
	11b/CCK	1 Mbps	1/6/11	1	
Maximum Conducted Output	11g/BPSK	6 Mbps	1/6/11	1	
Power	11n HT20	MCS0	1/6/11	1	
		4.54			
Power Spectral Density	11b/CCK	1 Mbps	1/6/11	1	
	11g/BPSK 11n HT20	6 Mbps MCS0	1/6/11	1	
	110 H120	MCS0	1/6/11	1	
6dB Spectrum Bandwidth	11b/CCK	1 Mbps	1/6/11	1	
	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	
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	



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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	AE-1 Adapter CG5		S210925002006	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	USB Cable	NO	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".



#### 6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

#### Radiation& Conducted Test equipment

		estequipment					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2021.04.27	2022.04.26	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2021.07.01	2022.06.30	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2021.07.01	2022.06.30	1 year
4	Test Receiver	R&S	ESPI7	101318	2021.04.27	2022.04.26	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2021.03.29	2022.03.28	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
7	Horn Antenna	EM	EM-AH-1018 0	2011071402	2021.03.29	2022.03.28	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2020.11.20	2021.11.19	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2021.07.01	2022.06.30	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2020.11.20	2021.11.19	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2021.07.01	2022.06.30	1 year
12	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2019.08.06	2022.08.05	3 year
13	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2019.08.06	2022.08.05	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2020.05.11	2023.05.10	3 year
15	High Test Cable(1G-40G Hz)	N/A	R-04	N/A	2020.05.11	2023.05.10	3 year
16	Filter	TRILTHIC	2400MHz	29	2021.07.01	2022.06.30	1 year
17	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 Cc	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	2021.04.27	2022.04.26	1 year
2	LISN	R&S	ENV216	101313	2021.04.27	2022.04.26	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2021.04.27	2022.04.26	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MH z)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MH z)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Cable (9KHz-30MH z)	N/A	C03	N/A	2020.05.11	2023.05.10	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.

#### 7 TEST REQUIREMENTS

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#### 7.1 CONDUCTED EMISSIONS TEST

#### 7.1.1 Applicable Standard

According to FCC Part 15.207(a)

#### 7.1.2 Conformance Limit

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

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

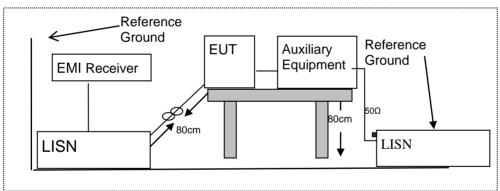
2. The lower limit shall apply at the transition frequencies

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

#### 7.1.3 Measuring Instruments

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

#### 7.1.4 Test Configuration



#### 7.1.5 Test Procedure

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

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





#### 7.1.6 Test Results

EUT:	Smart Battery Camera	Model Name :	CG5
Temperature:	<b>24.5</b> ℃	Relative Humidity:	52%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Normal Link

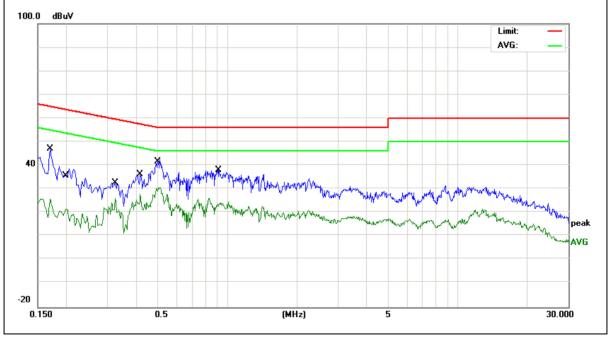
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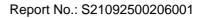
Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demorile
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1700	37.44	9.69	47.13	64.96	-17.83	QP
0.1700	16.14	9.69	25.83	54.96	-29.13	AVG
0.1980	28.89	9.63	38.52	63.69	-25.17	QP
0.1980	11.97	9.63	21.60	53.69	-32.09	AVG
0.3260	23.14	9.63	32.77	59.55	-26.78	QP
0.3260	16.35	9.63	25.98	49.55	-23.57	AVG
0.4180	26.58	9.64	36.22	57.49	-21.27	QP
0.4180	18.14	9.64	27.78	47.49	-19.71	AVG
0.5020	32.86	9.64	42.50	56.00	-13.50	QP
0.5020	20.98	9.64	30.62	46.00	-15.38	AVG
0.9180	28.35	9.75	38.10	56.00	-17.90	QP
0.9180	14.43	9.75	24.18	46.00	-21.82	AVG

Remark:

All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.







EUT:	Smart Battery Camera	Model Name :	CG5
Temperature:	<b>24.5</b> ℃	Relative Humidity:	52%
Pressure:	1010hPa	Phase :	Ν
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Normal Link

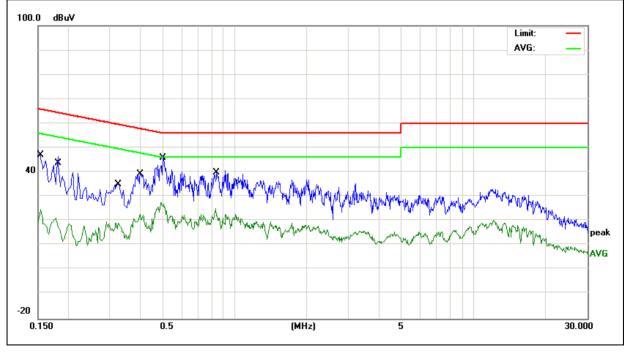
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Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1539	37.38	9.63	47.01	65.78	-18.77	QP
0.1539	15.14	9.63	24.77	55.78	-31.01	AVG
0.1780	36.92	9.63	46.55	64.57	-18.02	QP
0.1780	11.73	9.63	21.36	54.57	-33.21	AVG
0.3260	25.46	9.67	35.13	59.55	-24.42	QP
0.3260	9.58	9.67	19.25	49.55	-30.30	AVG
0.4020	29.56	9.71	39.27	57.81	-18.54	QP
0.4020	12.97	9.71	22.68	47.81	-25.13	AVG
0.4940	36.66	9.74	46.40	56.10	-9.70	QP
0.4940	17.69	9.74	27.43	46.10	-18.67	AVG
0.8340	30.26	9.68	39.94	56.00	-16.06	QP
0.8340	15.38	9.68	25.06	46.00	-20.94	AVG

Remark:

All readings are Quasi-Peak and Average values.
 Factor = Insertion Loss + Cable Loss.





#### 7.2 RADIATED SPURIOUS EMISSION

#### 7.2.1 Applicable Standard

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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 FCC Fait 15.205, Restricted barlds			
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

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);

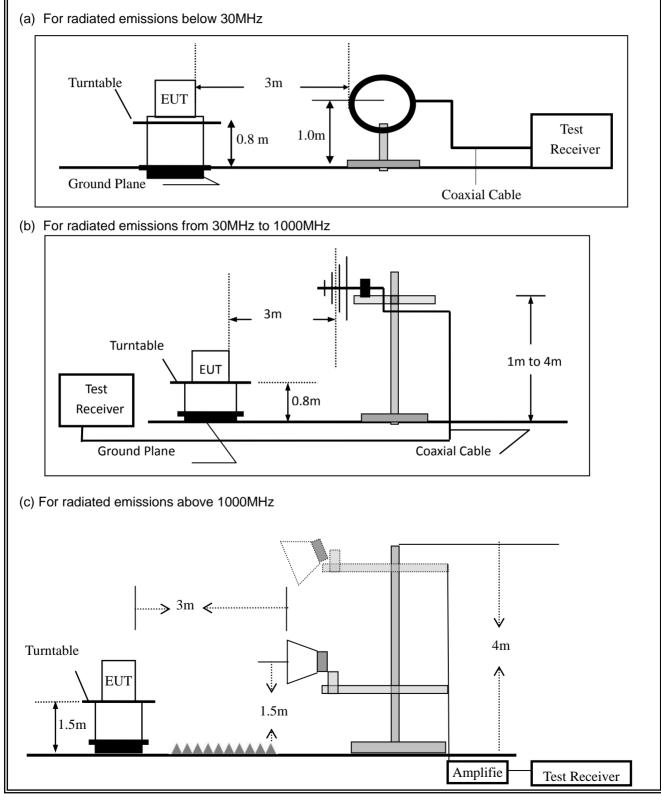
Limit line=Specific limits(dBuV) + distance extrapolation factor.



#### 7.2.3 Measuring Instruments

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

#### 7.2.4 Test Configuration





#### 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 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

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

EUT:	Smart Battery Camera	Model No.:	CG5
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n(HT20)	Test By:	Mukzi Lee

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

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



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

EUT:	Smart Battery Camera	Model Name :	CG5
Temperature:	<b>24.9</b> ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Mode:	802.11b 2412
Test Voltage :	DC 3.7V		

Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	30.8535	6.04	24.31	30.35	40.00	-9.65	QP
V	46.5030	14.22	16.31	30.53	40.00	-9.47	QP
V	58.8185	19.59	11.71	31.30	40.00	-8.70	QP
V	74.6568	17.40	13.18	30.58	40.00	-9.42	QP
V	196.5098	15.23	16.23	31.46	43.50	-12.04	QP
V	455.9057	9.85	26.09	35.94	46.00	-10.06	QP

#### Remark:

Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit





Polar	Frequen	су		eter ding	Factor	Emissi Leve	-	imits	N	larg	in	Remar
(H/V)	(MHz)	)	(dB	SuV)	(dB)	(dBuV/	m) (dE	BuV/m)		(dB)	)	rtomar
Н	30.317	0	5.	89	24.88	30.77	7 4	0.00		-9.2	3	QP
Н	83.229	6	11	.07	14.68	25.75	5 4	0.00	-	14.2	5	QP
Н	128.112	26	6.	56	18.41	24.97	7 4	3.50	-	18.5	3	QP
Н	172.598	38	12	.77	17.15	29.92	2 4	3.50	-	13.5	8	QP
Н	315.480	06	11	.56	22.11	33.67	7 4	6.00	-	12.3	3	QP
Н	836.244	41	6.	83	33.13	39.96	6 4	6.00		-6.04	4	QP
	n Level = N luv/m			<b>J</b>							nit:	]
											argin:	
											-	
												6
							5		m		Norma AND	A MAN MAN
32						4	Å	much	man and a			
<b>M</b> .	manny man and	have the way	ANN AND A	e Yuruyenmu	3 เพราะกันการป	Man	man selection of the	Mark .				
-8	40 50	60	70 80			Hz)	300	400	500	600	700	1000.000



EUT:		n Above 1G Smart Batte			Model	No.:	CG5	CG5			
Temperatur	e:	<b>20</b> ℃			Relativ	e Humidity:		48%			
Test Mode:		802.11b/g/	n(HT20)		Test B		Mukzi	Lee			
All the modu		-		and the w							
Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Remark	Comment		
(MHz)	(dBµV)	(dB)	dB/m	(dB)	(dBµV/m)	(dBµV/m)	(dB)				
		L	ow Channe	l (2412 MH	z)(802.11b)-	-Above 1G					
4824.069	64.88	5.21	35.59	44.30	61.38	74.00	-12.62	Pk	Vertical		
4824.069	45.03	5.21	35.59	44.30	41.53	54.00	-12.47	AV	Vertical		
7236.154	65.54	6.48	36.27	44.60	63.69	74.00	-10.31	Pk	Vertical		
7236.154	49.17	6.48	36.27	44.60	47.32	54.00	-6.68	AV	Vertical		
4824.103	67.67	5.21	35.55	44.30	64.13	74.00	-9.87	Pk	Horizontal		
4824.103	50.02	5.21	35.55	44.30	46.48	54.00	-7.52	AV	Horizontal		
7236.146	64.66	6.48	36.27	44.52	62.89	74.00	-11.11	Pk	Horizontal		
7236.146	45.24	6.48	36.27	44.52	43.47	54.00	-10.53	AV	Horizontal		
Middle Channel (2437 MHz)(802.11b)Above 1G											
4874.135	65.95	5.21	35.66	44.20	62.62	74.00	-11.38	Pk	Vertical		
4874.135	44.79	5.21	35.66	44.20	41.46	54.00	-12.54	AV	Vertical		
7311.271	64.89	7.10	36.50	44.43	64.06	74.00	-9.94	Pk	Vertical		
7311.271	47.01	7.10	36.50	44.43	46.18	54.00	-7.82	AV	Vertical		
4874.089	65.05	5.21	35.66	44.20	61.72	74.00	-12.28	Pk	Horizontal		
4874.089	49.36	5.21	35.66	44.20	46.03	54.00	-7.97	AV	Horizontal		
7311.192	65.12	7.10	36.50	44.43	64.29	74.00	-9.71	Pk	Horizontal		
7311.192	45.41	7.10	36.50	44.43	44.58	54.00	-9.42	AV	Horizontal		
			GH Channe	el (2462 MI	lz)(802.11b)	Above 1G		<u>.</u>			
4924.055	65.84	5.21	35.52	44.21	62.36	74.00	-11.64	Pk	Vertical		
4924.055	46.43	5.21	35.52	44.21	42.95	54.00	-11.05	AV	Vertical		
7386.215	65.19	7.10	36.53	44.60	64.22	74.00	-9.78	Pk	Vertical		
7386.215	44.41	7.10	36.53	44.60	43.44	54.00	-10.56	AV	Vertical		
4924.183	63.28	5.21	35.52	44.21	59.80	74.00	-14.20	Pk	Horizontal		
4924.183	45.44	5.21	35.52	44.21	41.96	54.00	-12.04	AV	Horizontal		
7386.144	64.66	7.10	36.53	44.60	63.69	74.00	-10.31	Pk	Horizonta		
7386.144	48.00	7.10	36.53	44.60	47.03	54.00	-6.97	AV	Horizonta		

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Certificate #4298.01

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.



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

41	the modulation modes have been tested, and the worst result was report as below:									
	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	66.31	2.97	27.21	43.80	52.69	74	-21.31	Pk	Horizontal
	2310.00	46.73	2.97	27.21	43.80	33.11	54	-20.89	AV	Horizontal
	2310.00	68.50	2.97	27.21	43.80	54.88	74	-19.12	Pk	Vertical
Γ	2310.00	48.91	2.97	27.21	43.80	35.29	54	-18.71	AV	Vertical
	2390.00	66.26	3.14	27.33	43.80	52.93	74	-21.07	Pk	Vertical
	2390.00	49.02	3.14	27.33	43.80	35.69	54	-18.31	AV	Vertical
	2390.00	69.64	3.14	27.33	43.80	56.31	74	-17.69	Pk	Horizontal
	2390.00	51.12	3.14	27.33	43.80	37.79	54	-16.21	AV	Horizontal
	2483.50	70.16	3.58	27.70	44.00	57.44	74	-16.56	Pk	Vertical
Ī	2483.50	47.52	3.58	27.70	44.00	34.80	54	-19.20	AV	Vertical
Ī	2483.50	70.24	3.58	27.70	44.00	57.52	74	-16.48	Pk	Horizontal
	2483.50	52.22	3.58	27.70	44.00	39.50	54	-14.50	AV	Horizontal
Ī	802.11g									
Ī	2310.00	71.34	2.97	27.21	43.80	57.72	74	-16.28	Pk	Horizontal
Ī	2310.00	46.46	2.97	27.21	43.80	32.84	54	-21.16	AV	Horizontal
Ī	2310.00	73.36	2.97	27.21	43.80	59.74	74	-14.26	Pk	Vertical
Ī	2310.00	48.01	2.97	27.21	43.80	34.39	54	-19.61	AV	Vertical
	2390.00	71.70	3.14	27.33	43.80	58.37	74	-15.63	Pk	Vertical
	2390.00	47.03	3.14	27.33	43.80	33.70	54	-20.30	AV	Vertical
	2390.00	67.03	3.14	27.33	43.80	53.70	74	-20.30	Pk	Horizontal
	2390.00	50.56	3.14	27.33	43.80	37.23	54	-16.77	AV	Horizontal
Ī	2483.50	69.76	3.58	27.70	44.00	57.04	74	-16.96	Pk	Vertical
	2483.50	49.32	3.58	27.70	44.00	36.60	54	-17.40	AV	Vertical
	2483.50	70.22	3.58	27.70	44.00	57.50	74	-16.50	Pk	Horizontal
	2483.50	48.62	3.58	27.70	44.00	35.90	54	-18.10	AV	Horizontal
					802	2.11n20				
	2310.00	72.90	2.97	27.21	43.80	59.28	74	-14.72	Pk	Horizontal
	2310.00	50.47	2.97	27.21	43.80	36.85	54	-17.15	AV	Horizontal
	2310.00	68.35	2.97	27.21	43.80	54.73	74	-19.27	Pk	Vertical
	2310.00	49.26	2.97	27.21	43.80	35.64	54	-18.36	AV	Vertical
	2390.00	63.89	3.14	27.33	43.80	50.56	74	-23.44	Pk	Vertical
ſ	2390.00	46.26	3.14	27.33	43.80	32.93	54	-21.07	AV	Vertical
	2390.00	65.82	3.14	27.33	43.80	52.49	74	-21.51	Pk	Horizontal
ſ	2390.00	47.11	3.14	27.33	43.80	33.78	54	-20.22	AV	Horizontal
	2483.50	68.15	3.58	27.70	44.00	55.43	74	-18.57	Pk	Vertical
Ī	2483.50	48.63	3.58	27.70	44.00	35.91	54	-18.09	AV	Vertical
Ī	2483.50	64.58	3.58	27.70	44.00	51.86	74	-22.14	Pk	Horizontal
Ī	2483.50	48.20	3.58	27.70	44.00	35.48	54	-18.52	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	
3260	64.31	4.04	29.57	44.70	53.22	74	-20.78	Pk	Vertical
3260	51.22	4.04	29.57	44.70	40.13	54	-13.87	AV	Vertical
3260	68.92	4.04	29.57	44.70	57.83	74	-16.17	Pk	Horizontal
3260	49.41	4.04	29.57	44.70	38.32	54	-15.68	AV	Horizontal
3332	64.27	4.26	29.87	44.40	54.00	74	-20.00	Pk	Vertical
3332	45.76	4.26	29.87	44.40	35.49	54	-18.51	AV	Vertical
3332	64.43	4.26	29.87	44.40	54.16	74	-19.84	Pk	Horizontal
3332	49.64	4.26	29.87	44.40	39.37	54	-14.63	AV	Horizontal
17797	50.72	10.99	43.95	43.50	62.16	74	-11.84	Pk	Vertical
17797	36.68	10.99	43.95	43.50	48.12	54	-5.88	AV	Vertical
17788	50.85	11.81	43.69	44.60	61.75	74	-12.25	Pk	Horizontal
17788	36.15	11.81	43.69	44.60	47.05	54	-6.95	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

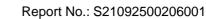
The testing follows Subclause 11.8 of ANSI C63.10. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. The EUT was operating 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:	Smart Battery Camera	Model No.:	CG5
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Mukzi Lee

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  $T_{total}$  and  $T_{on}$ 

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

#### 7.4.6 Test Results

EUT:	Smart Battery Camera	Model No.:	CG5
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Mukzi Lee

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

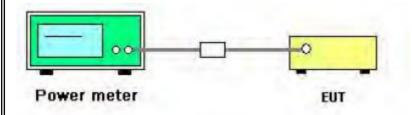
The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm). If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be 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:	Smart Battery Camera	Model No.:	CG5
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Mukzi Lee

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 kHz  $\leq$  RBW  $\leq$  100 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.

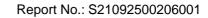
j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.



#### 7.6.6 Test Results

EUT:	Smart Battery Camera	Model No.:	CG5
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Mukzi Lee

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:	Smart Battery Camera	Model No.:	CG5
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Mukzi Lee

Test data reference attachment.



#### 7.8 SPURIOUS RF CONDUCTED EMISSIONS

#### 7.8.1 Conformance Limit

**NTEK** 北测

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 25GHz.

#### 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 Rod Antenna (Gain: 1.4dBi). It comply with the standard requirement.

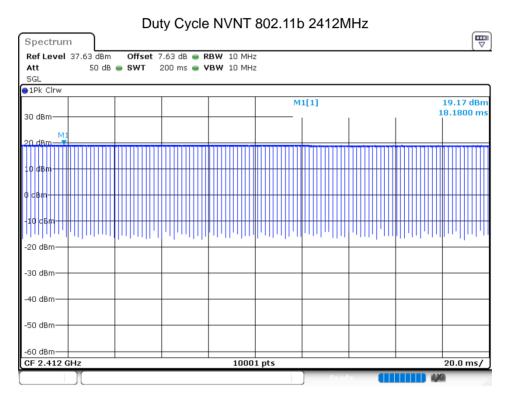


## 8 TEST RESULTS

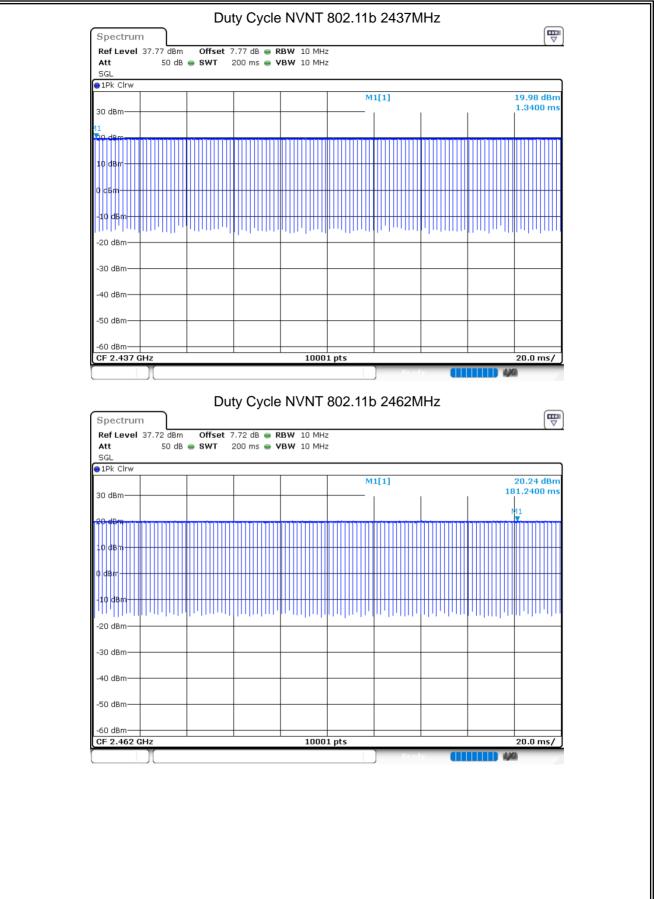
### 8.1 DUTY CYCLE

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	802.11b	2412	98.82	0.05
NVNT	802.11b	2437	98.82	0.05
NVNT	802.11b	2462	98.82	0.05
NVNT	802.11g	2412	92.27	0.35
NVNT	802.11g	2437	92.27	0.35
NVNT	802.11g	2462	92.25	0.35
NVNT	802.11n(HT20)	2412	91.43	0.39
NVNT	802.11n(HT20)	2437	91.4	0.39
NVNT	802.11n(HT20)	2462	91.41	0.39

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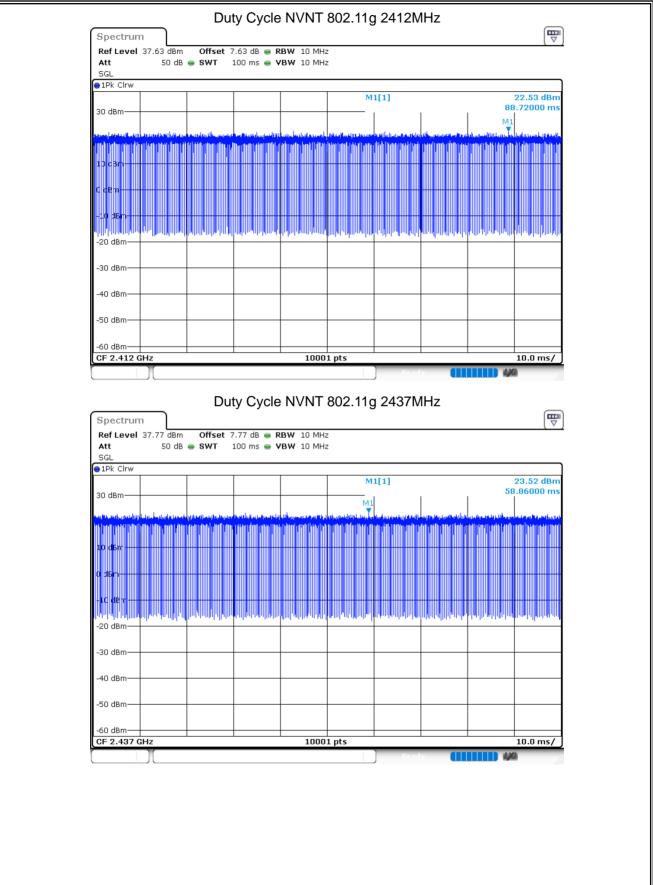






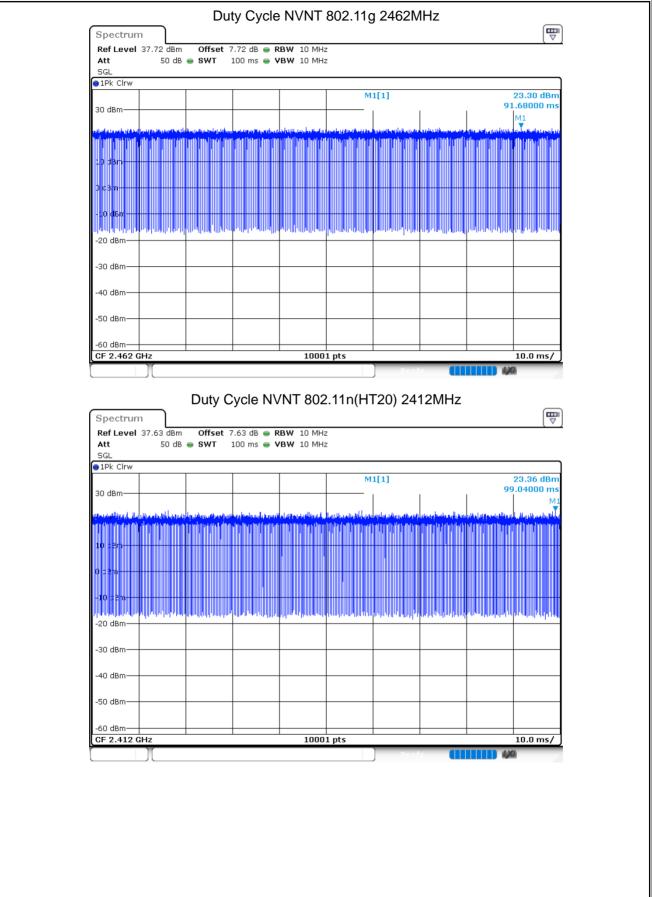
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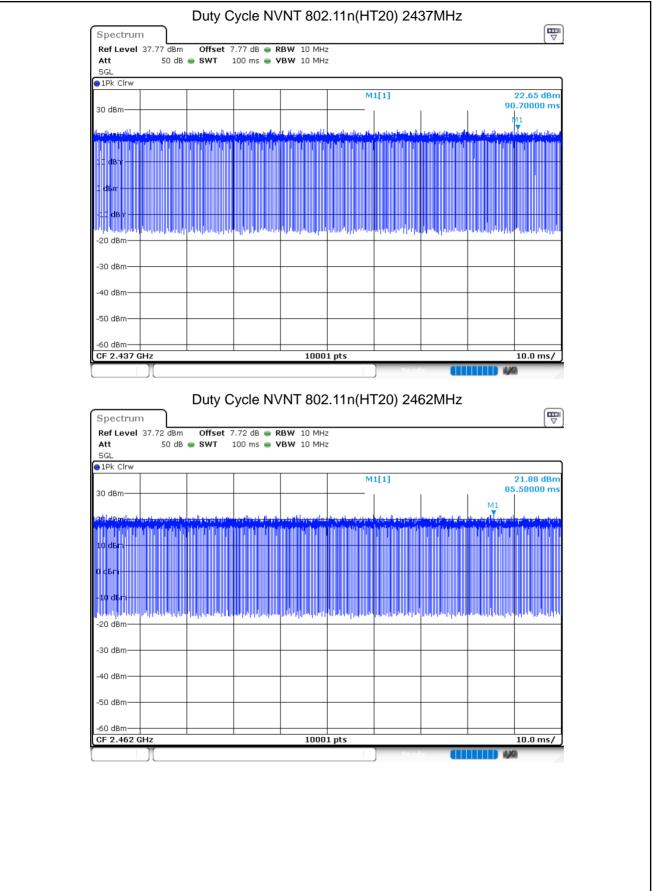
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#### 8.2 MAXIMUM CONDUCTED OUTPUT POWER

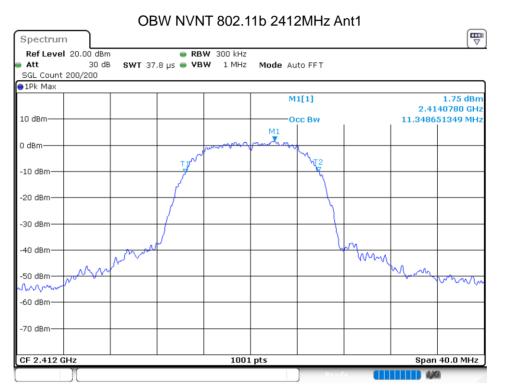
O.Z IVIAXI	MUM CONDUCTED C		1					
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	802.11b	2412	Ant 1	15.3	0.05	15.35	30	Pass
NVNT	802.11b	2437	Ant 1	15.99	0.05	16.04	30	Pass
NVNT	802.11b	2462	Ant 1	16.14	0.05	16.19	30	Pass
NVNT	802.11g	2412	Ant 1	13.56	0.35	13.91	30	Pass
NVNT	802.11g	2437	Ant 1	14.41	0.35	14.76	30	Pass
NVNT	802.11g	2456	Ant 1	14.4	0.35	14.75	30	Pass
NVNT	802.11n(HT20)	2412	Ant 1	14.08	0.39	14.47	30	Pass
NVNT	802.11n(HT20)	2437	Ant 1	13.73	0.39	14.12	30	Pass
NVNT	802.11n(HT20)	2462	Ant 1	12.9	0.39	13.29	30	Pass



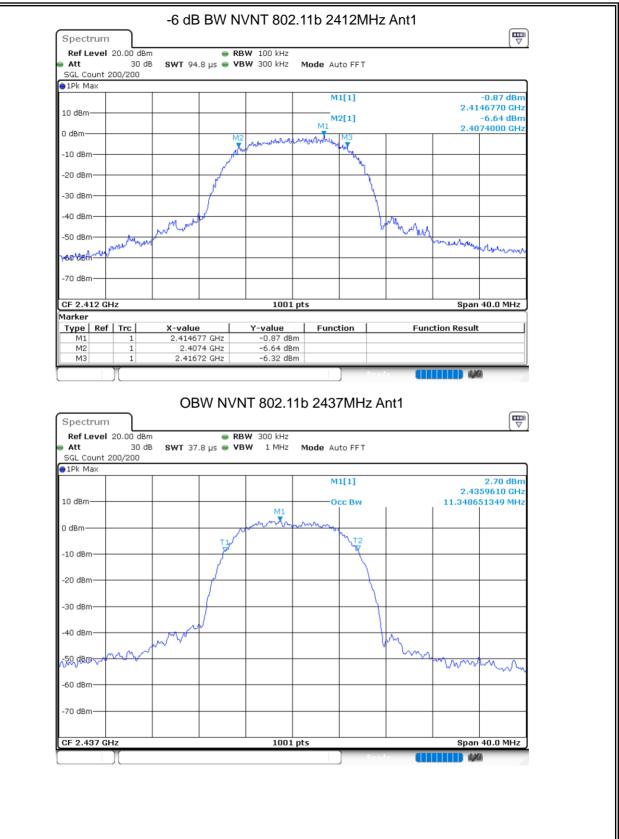
## NTEK 北测<sup>®</sup>

## 8.3 OCCUPIED CHANNEL BANDWIDTH

0.5 0000	FIED CHAINNEL DAN			1			<b>.</b>
		Frequency		99%	-6 dB	Limit -6 dB	
Condition	Mode		Antenna	OBW	Bandwidth	Bandwidth	Verdict
		(MHz)		(MHz)	(MHz)	(MHz)	
NVNT	802.11b	2412	Ant 1	11.3487	9.32	0.5	Pass
NVNT	802.11b	2437	Ant 1	11.3487	9.24	0.5	Pass
NVNT	802.11b	2462	Ant 1	11.28	8.8978	0.5	Pass
NVNT	802.11g	2412	Ant 1	16.5435	16.48	0.5	Pass
NVNT	802.11g	2437	Ant 1	16.6234	16.4	0.5	Pass
NVNT	802.11g	2462	Ant 1	16.6715	16.5217	0.5	Pass
NVNT	802.11n(HT20)	2412	Ant 1	17.7423	17.68	0.5	Pass
NVNT	802.11n(HT20)	2437	Ant 1	17.7023	17.68	0.5	Pass
NVNT	802.11n(HT20)	2462	Ant 1	17.76	17.7154	0.5	Pass

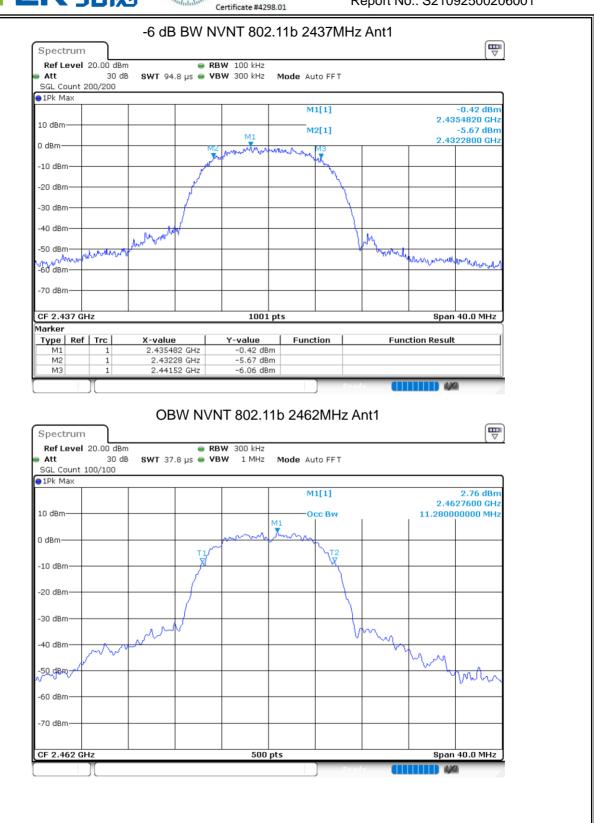






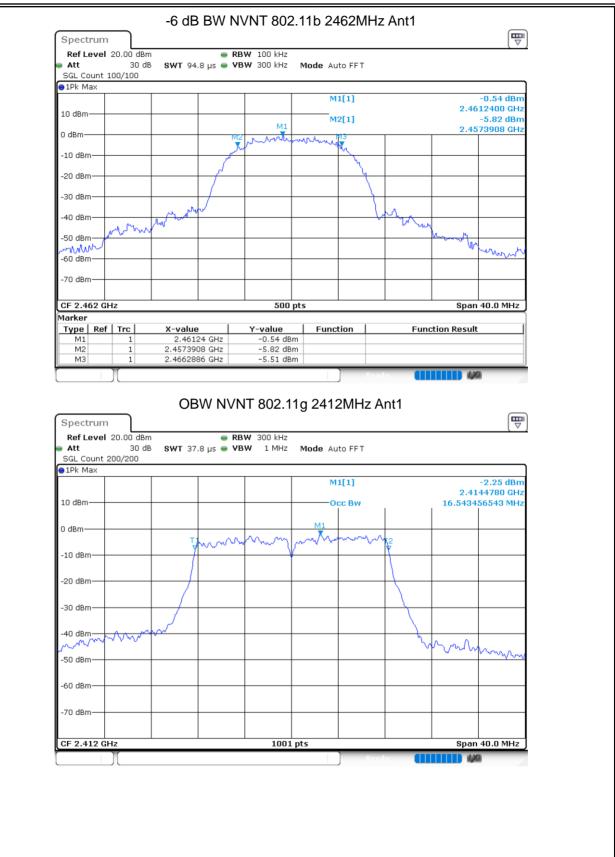
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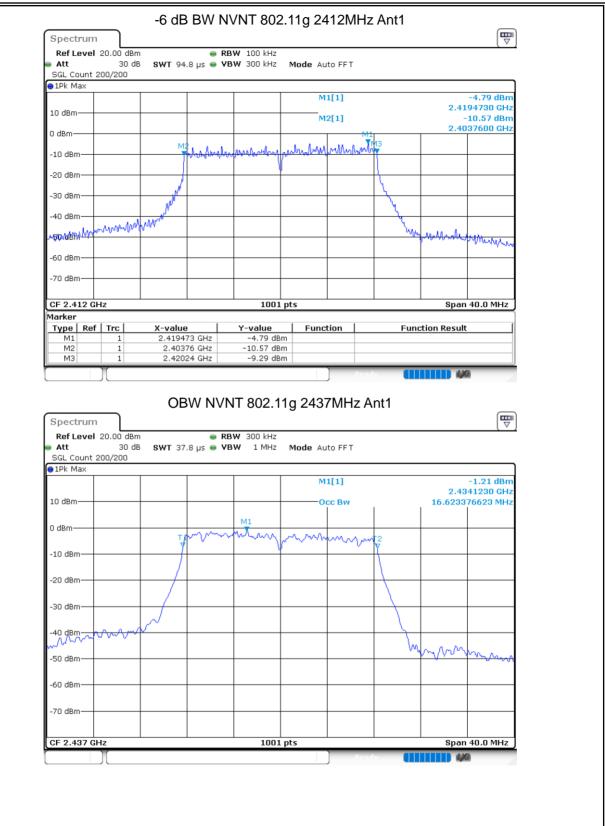
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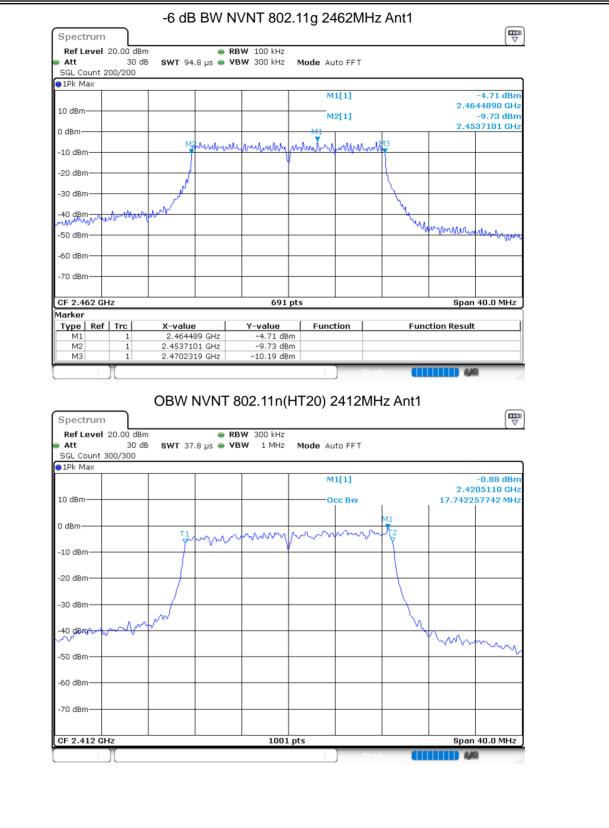
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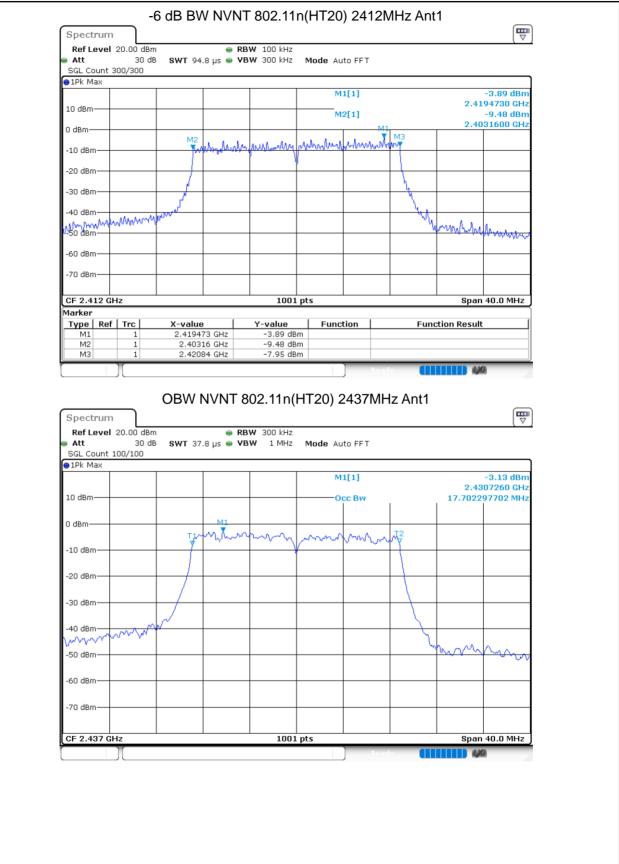
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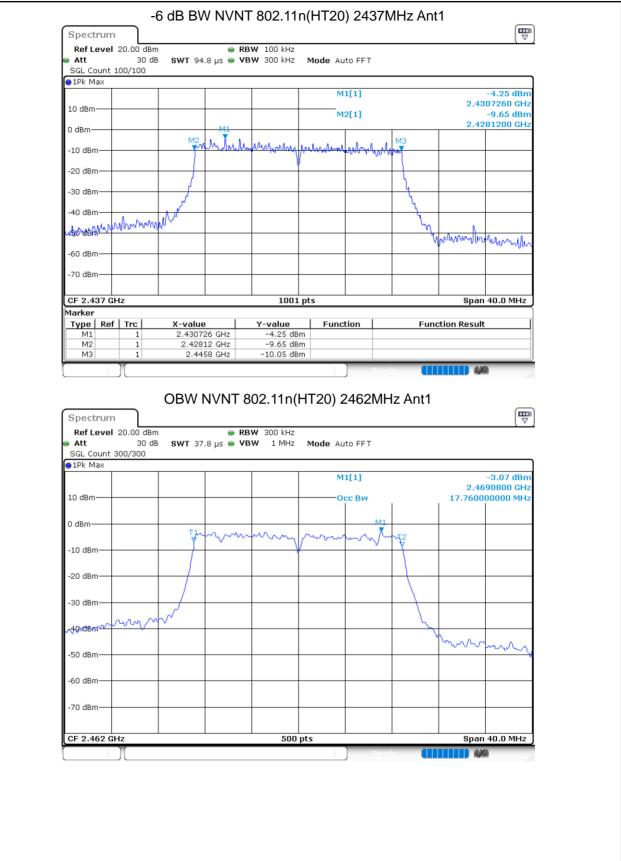


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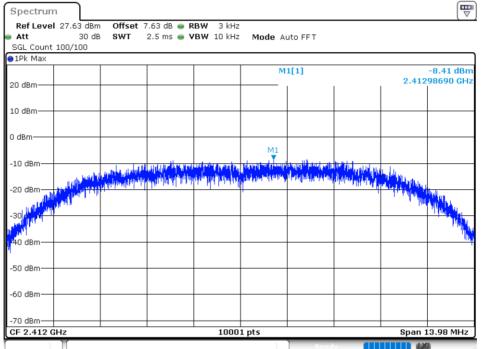
	vel 3	20.00 dE		● RBW 100 kHz					
Att SGL Cou	nt 3	30 : 00/300	dв <b>SWT</b> 94.8 µs	🔵 <b>VBW</b> 300 kHz	Mode Aut	o FFT			
1Pk Ma		,							
					M1	[1]			-5.57 dBm
10 dBm—	_							2.45	57200 GHz
					IM12	[1]		2.45	-9.86 dBm 31423 GHz
0 dBm—			M	1					
-10 dBm-			Man	andreamer polance	shallond	and the same	AND M3		
				`¥	1				
-20 dBm-	+		+ + + -						
-30 dBm-							<u>\</u>		
-30 UBIII-			5						
-40 dBm-		M. M. M	AN ANY				<u> </u>		
	www	oll ha was					1 W	ATA ILA ALA	
-50 dBm-								C WILL CON	Mulmuk
-60 dBm-									
-70 dBm-	+								
CF 2.46	2 GH	z		500 pt	s			Span	40.0 MHz
1arker Type   1	Pof	Trc	X-value	Y-value	Funct	ion I	Eupr	tion Result	. 1
M1	Rel	1	2.45572 GH				Fund	LION RESUL	·
M2		1	2.4531423 GH						
MЗ		1	2.4708577 GH	z -11.10 dBm					



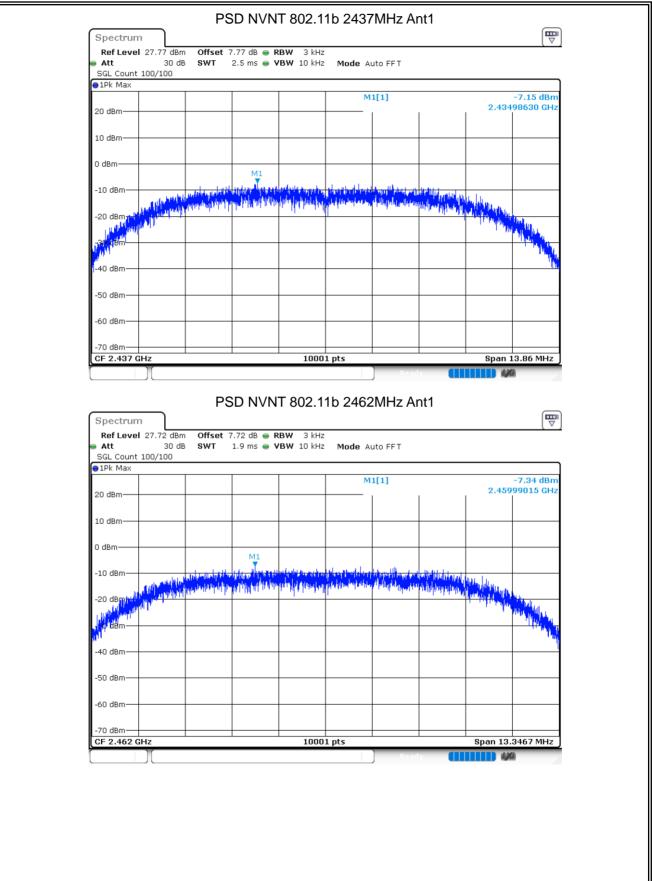
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Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	802.11b	2412	Ant 1	-8.407	8	Pass
NVNT	802.11b	2437	Ant 1	-7.15	8	Pass
NVNT	802.11b	2462	Ant 1	-7.338	8	Pass
NVNT	802.11g	2412	Ant 1	-10.193	8	Pass
NVNT	802.11g	2437	Ant 1	-8.266	8	Pass
NVNT	802.11g	2462	Ant 1	-9.971	8	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-9.736	8	Pass
NVNT	802.11n(HT20)	2437	Ant 1	-9.929	8	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-11.894	8	Pass

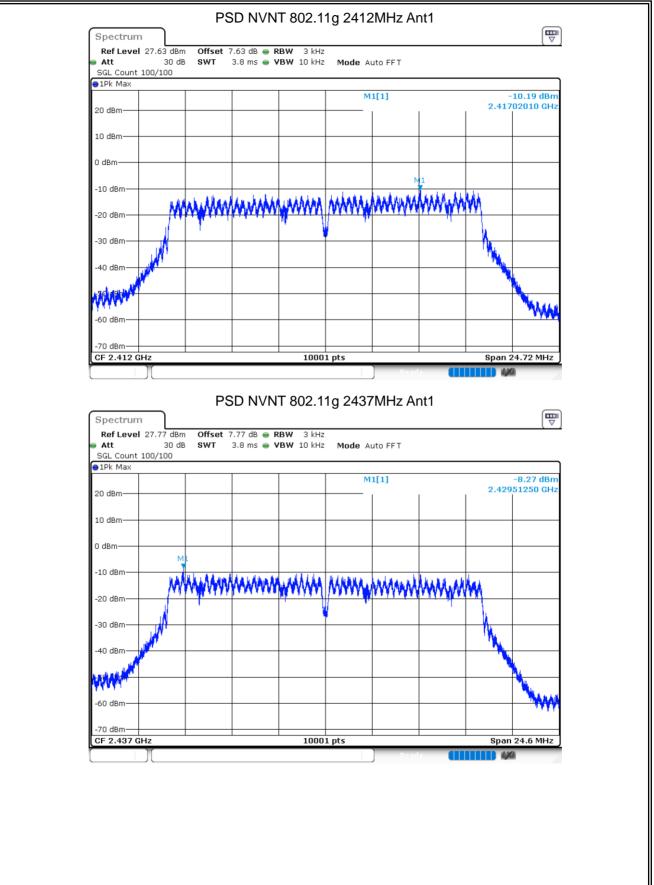
#### PSD NVNT 802.11b 2412MHz Ant1



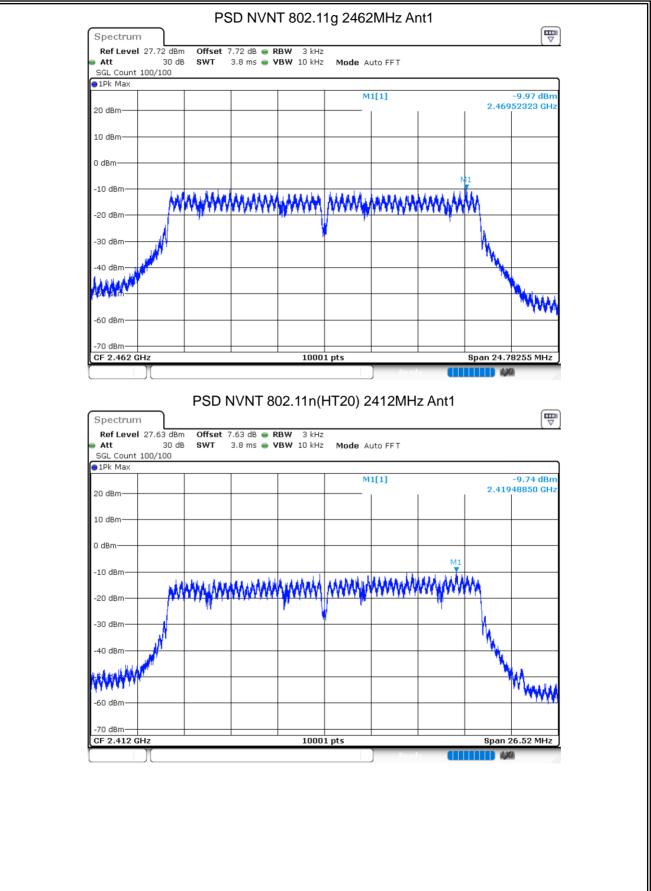






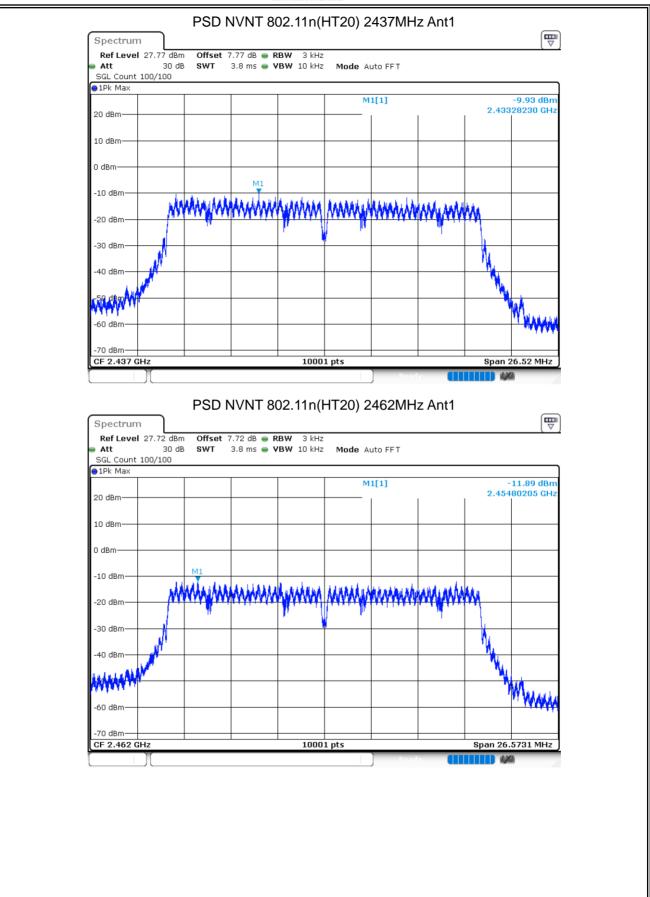








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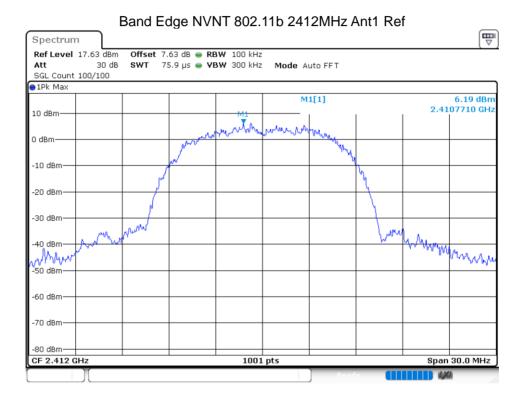




## 8.5 BAND EDGE

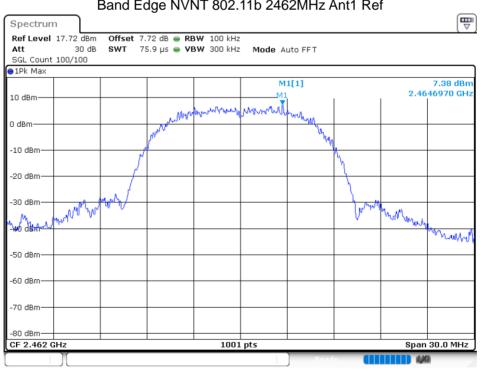
8.5 BAND	EDGE					
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11b	2412	Ant 1	-54.85	-20	Pass
NVNT	802.11b	2462	Ant 1	-54.43	-20	Pass
NVNT	802.11g	2412	Ant 1	-46.29	-20	Pass
NVNT	802.11g	2462	Ant 1	-46.39	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-45.95	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-46.09	-20	Pass

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pectrum	Ļ						[	₹
Ref Level 🗆 Att	17.63 dBm 30 dB			RBW 100 kHz VBW 300 kHz	Mode Auto FF	- <b>T</b>		
GL Count 1		3991 22	r.5 µ5 🖷	YBYY 300 KHZ	MOUE AULO FF	. 1		
1Pk Max								
					M1[1]		6.65 dB	3m
0 dBm							2 <sup>4</sup> 4146600 G	
dBm					M2[1]			
asm						1	2.400000 G	Hz
LO dBm				+			A	_
	01 -13.809	dBm						
20 dBm								
30 dBm				_				_
						M2hr	M.	
10 dBm				+ +	M4	1. 1	1 (M)	
					▼МЗ	- Mar	`	"Ny P
+Approxim non	where the share	Willow rilpha	the showing	www.walkallana	margandarlowmark	Marrow Contraction of the Contra		
50 dBm —								_
70 dBm								
30 dBm —								_
tart 2.327	GHz			1001 pt	s		Stop 2.427 GH	Iz J
arker								_]
Type Ref		X-value	6.011-	Y-value	Function	Fun	ction Result	_
M1 M2	1	2.4146	6 GHZ 4 GHZ	6.65 dBm -41.39 dBm				-
M3	1		9 GHz	-52.74 dBm				
M4	1		9 GHz	-48.66 dBm				
			_					_





Ref Level         17.72 dBm           Att         30 dB           SGL Count         100/100			RBW 100 kH VBW 300 kH		Auto FFT			
10 dBm M1				M	1[1]			6.69 dBm
10 dBm	W			M	2[1]			601400 GHz -50.81 dBm 835000 GHz
-10 dBm	Λ						2.4	
-20 dBm	dBm							
-30 dB/m	MJ.							
40 dBm	1 VI	N	4					
-50 dBm		M M2	the work of the second	M3	wherethystat	y nur makhand	Wand	Harmburgang
-60 dBm								+
-70 dBm								+
-80 dBm			1001	L pts			Stop	2.547 GHz
larker Type   Ref   Trc	X-valu		Y-value	Funct	tion	Fun	ction Resu	lt
M1 1 M2 1		I14 GHz I35 GHz	6.69 dB -50.81 dB	Im				
M3 1 M4 1	2.48	dge NV	-50.42 dB -47.06 dB	3m	) non 2MHz /	Ant1 Re	ef	
M4         1           Spectrum	2.48 Band E Offset 7	dge NV	-47.06 dB	11g 241	uto FFT	Ant1 Re	if	
M4 1 Spectrum Ref Level 17.63 dBm Att 30 dB SGL Count 100/100 DIPk Max	2.48 Band E Offset 7	dge NV	-47.06 dB /NT 802.	11g 241				1.58 dBm 191630 GHz
M4 1 Spectrum Ref Level 17.63 dBm Att 30 dB SGL Count 100/100 91Pk Max 10 dBm	2.48 Band Ed Offset 7 SwT 7	66 GHz dge NV .63 dв ● R 5.9 µs ● V	-47.06 dB	11g 241 Mode Au	uto FFT	Ant1 Re		1.58 dBm
M4         1           Spectrum	2.48 Band Ed Offset 7 SwT 7	66 GHz dge NV .63 dв ● R 5.9 µs ● V	-47.06 dB /NT 802.	11g 241 Mode Au	uto FFT			1.58 dBm
M4         1           Spectrum	2.48 Band Ed Offset 7 SwT 7	66 GHz dge NV .63 dв ● R 5.9 µs ● V	-47.06 dB	11g 241 Mode Au	uto FFT			1.58 dBm
M4         1           Spectrum         Ref Level 17.63 dBm           Att 30 dB         30 dB           SGL Count 100/100         10 dBm           10 dBm	2.48 Band Ed Offset 7 SwT 7	66 GHz dge NV .63 dв ● R 5.9 µs ● V	-47.06 dB	11g 241 Mode Au	uto FFT			1.58 dBm
M4 1 Spectrum Ref Level 17.63 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	2.48 Band Ed Offset 7 SwT 7	66 GHz dge NV .63 dв ● R 5.9 µs ● V	-47.06 dB	11g 241 Mode Au	uto FFT		2.4	1.58 dBm 191630 GHz
M4 1 Spectrum Ref Level 17.63 dBm Att 30 dB SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm	2.48 Band Ed Offset 7 SwT 7	66 GHz dge NV .63 dв ● R 5.9 µs ● V	-47.06 dB	11g 241 Mode Au	uto FFT		2.4	1.58 dBm 191630 GHz
M4         1           Spectrum         Ref Level 17.63 dBm           Att 30 dB         30 dB           SGL Count 100/100         100/100           1Pk Max         100 dBm           10 dBm	2.48 Band Ed Offset 7 SwT 7	66 GHz dge NV .63 dв ● R 5.9 µs ● V	-47.06 dB	11g 241 Mode Au	uto FFT		2.4	1.58 dBm
M4     1       Spectrum     Ref Level 17.63 dBm       Att     30 dB       SGL Count 100/100     100 dBm       10 dBm     0       -10 dBm	2.48 Band Ed Offset 7 SwT 7	66 GHz dge NV .63 dв ● R 5.9 µs ● V	-47.06 dB	11g 241 Mode Au	uto FFT		2.4	1.58 dBm 191630 GHz
M4     1       Spectrum	2.48 Band Ed Offset 7 SwT 7	66 GHz dge NV .63 dв ● R 5.9 µs ● V	-47.06 dB	11g 241 Mode Au	uto FFT		2.4	1.58 dBm 191630 GHz
M4 1 Spectrum Ref Level 17.63 dBm	2.48 Band Ed Offset 7 SwT 7	66 GHz dge NV .63 dв ● R 5.9 µs ● V	-47.06 dB	11g 241 Mode Au	uto FFT		2.4	1.58 dBm 191630 GHz



Att SGL Co	ount 1	<b>ב</b> 17.63 d	dB			● RBW 100 k ● VBW 300 k		le Auto FFT			
1Pk M	ax							M1[1]			3.28 dBm
.0 dBm			+					_		2.43	194600 GHz
) dBm–			_					M2[1]		marine the statest	-3704 dBm 900000 GHz
10 dBn										lan so la	
				-							
20 dBn	n <sup>D</sup>	01 -18.	416 c	18m=							
30 dBn	n		$\rightarrow$		-				M2		
40 dBn	n							Maio	Mar		
								MS MA			44440
50 dBn የትሌላ	inme	adding	, When	on marken	mundu	alabor runder	ANNAL	Mp-10-10-10			
60 dBn			+								<u>                                      </u>
70 dBn	n		_								<b>  </b>
80 dBn											
start 2		GHz				100	1 pts			Stop	2.427 GHz
arker		1					1 =				
Type M1	Ref	Trc 1		X-valu 2.41	946 GHz	<u>Y-value</u> 3.28 d		unction	Fur	nction Resul	<u> </u>
M2		1			2.4 GHz	-37.04 d					
M3		1			.39 GHz	-45.05 d					
M4	rum		В		dge N	-44.72 d		2462MH	z Ant1 Re	əf	<u>م</u>
Spect Ref Le		) [ 17.72 d		and E	dge N		.11g 2		z Ant1 Re	əf	
Spect Ref Le Att SGL Co	<b>vel</b> 1 ount 1	) [ 17.72 d	Bm dB	and E	dge N	IVNT 802	.11g 2		z Ant1 Re	əf	
Spect Ref Le Att SGL Co	<b>vel</b> 1 ount 1	17.72 d	Bm dB	and E	dge N	IVNT 802	.11g 2	e Auto FFT	z Ant1 Re	əf	
Spect Ref Le Att	ount 1	17.72 d	Bm dB	Sand E	dge N 7.72 dв е 75.9 µs е	IVNT 802	.11g 2		z Ant1 Re		( 3.47 dBm 557360 GHz
Spect Ref Le Att SGL Co 1Pk M	ount 1	17.72 d	Bm dB	and E	dge N 7.72 dв е 75.9 µs е	IVNT 802	.11g 2	e Auto FFT	z Ant1 Re		3.47 dBm
Spect Ref Le Att SGL Co 1Pk M	ount 1	17.72 d	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802	.11g 2 <sup>z</sup> Mode	e Auto FFT			3.47 dBm
Spect Ref Le Att SGL Co 1Pk M .0 dBm I dBm-	ount 1	17.72 d	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2 <sup>z</sup> Mode	e Auto FFT			3.47 dBm
Spect Ref Le Att SGL Co 1Pk M	ount 1	17.72 d	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2 <sup>z</sup> Mode	e Auto FFT			3.47 dBm
Spect Ref Le Att SGL Co 1Pk M .0 dBm I dBm-	n	17.72 d	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2	e Auto FFT			3.47 dBm
Spect Ref Le GGL CC 1Pk M 0 dBm- 10 dBm 10 dBm 20 dBn	n	17.72 d 30	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2	e Auto FFT			3.47 dBm
Spect Ref Le GGL CC 1Pk M 0 dBm- 10 dBm 10 dBm 20 dBn	n	17.72 d 30	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2	e Auto FFT		2.4	3.47 dBm 557360 GHz
Spect Ref Le SGL Cc SGL SGL SGL SGL SGL SGL SGL SGL SGL SGL	n	17.72 d 30	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2	e Auto FFT		2.4	3.47 dBm 557360 GHz
Spect Ref Le SGL Cc SGL SGL SGL SGL SGL SGL SGL SGL SGL SGL	n	17.72 d 30	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2	e Auto FFT		2.4	3.47 dBm 557360 GHz
Spect Ref Le GGL CC 1Pk M 0 dBm- 10 dBm 10 dBm 20 dBn	nn	17.72 d 30	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2	e Auto FFT		2.4	3.47 dBm
Spect Ref Le GGL CC 1Pk M 0 dBm- 10 dBm- 10 dBm 20 dBm 20 dBm 30 dBm 40 dBm	nn	17.72 d 30	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2	e Auto FFT		2.4	3.47 dBm 557360 GHz
Spect Ref Le SGL Cc 1Pk M 0 dBm- 10 dBm- 10 dBm 20 dBm 20 dBm 40 dBm 40 dBm	n	17.72 d 30	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2	e Auto FFT		2.4	3.47 dBm 557360 GHz
Spect Ref Le SGL Cc 11Pk M 0 dBm- 10 dBm- 10 dBm- 10 dBm 20 dBn 30 dBn 40 dBn 50 dBn	sount 1           ax           n           n           n           n           n           n           n           n           n	17.72 d 30	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2	e Auto FFT		2.4	3.47 dBm 557360 GHz
Spect Ref Le SGL Cc 1Pk M 0 dBm- 10 dBm- 10 dBm 20 dBm 20 dBm 40 dBm 40 dBm	sount 1           ax           n           n           n           n           n           n           n           n           n	17.72 d 30	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2	e Auto FFT		2.4	3.47 dBm 557360 GHz
Spect Ref Le SGL Cc 11Pk M 0 dBm- 10 dBm- 10 dBm- 10 dBm 20 dBn 30 dBn 40 dBn 50 dBn	n         n           n         n           n         n           n         n           n         n           n         n           n         n	17.72 d 30	Bm dB	Sand E	7.72 dB 7.72 dB 75.9 μs	IVNT 802 RBW 100 kH VBW 300 kH	.11g 2	e Auto FFT		2.4	3.47 dBm 557360 GHz



SGL Count : 91Pk Max	100/100									
					м	1[1]		0.45	3.67 dBm	
10 dBm <u>M1</u>	والمراجع المراجع				м	2[1]		-	57400 GHz 44.11 dBm	
0 dBm 📕	and a March	P GWU					1	2.48	35000 GHz	
-10 dBm	01 -16.534	dBm <del>.</del>								
-20 dBm										
JSQ dBm		Muu								
-40 dBm		ւրույն Ապես	Mar Mary	4 Will more for a grade to a	мз					
-50 dBm				- mwwww.	the martine	In when the	annappun A	Tray where a provide the	-	
-60 dBm										
-70 dBm										
-80 dBm Start 2.447	CH2			1001	Ints			Stor	2.547 GHz	
Marker										
Type Ref	1 Trc	2.455	9	<u>Y-value</u> 3.67 dB	Func	tion	Fund	tion Result	<u> </u>	
M2	1	2.48	35 GHz	-44.11 dB	3m					
M3	1	2	.5 GHz	-50.81 dB	3m i					
M3 M4 Spectrum		2.48	NVNT	-50.81 dE -42.93 dE	Bm	) 2412M	Hz Ant1	Ref		
	1 Ban 17.63 dBm 30 dB	2.48. d Edge Offset 7.	55 GHZ NVNT 63 dB • 1	-42.93 dB	(HT20)		Hz Ant1	Ref		
M4 Spectrum Ref Level : Att SGL Count : •1Pk Max	1 Ban 17.63 dBm 30 dB	2.48. d Edge Offset 7.	55 GHZ NVNT 63 dB • 1	-42.93 de 802.11n RBW 100 kHz	(HT20)		Hz Ant1			
M4 Spectrum Ref Level 3 Att SGL Count 3	1 Ban 17.63 dBm 30 dB	2.48. d Edge Offset 7.	55 GHZ NVNT 63 dB • 1	-42.93 de 802.11n RBW 100 kHz	(HT20)	uto FFT	Hz Ant1		3.40 dBm	
M4 Spectrum Ref Level : Att SGL Count : •1Pk Max	1 Ban 17.63 dBm 30 dB	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz VBW 300 kHz	(HT2O)	uto FFT	Hz Ant1		3.40 dBm	
M4 Spectrum Ref Level a Att SGL Count 1 9 1Pk Max 10 dBm	1 Ban 17.63 dBm 30 dB	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz	(HT2O)	uto FFT			3.40 dBm	
M4 Spectrum Ref Level SGL Count : • 1Pk Max 10 dBm 0 dBm -10 dBm	1 Ban 17.63 dBm 30 dB	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz VBW 300 kHz	(HT2O)	uto FFT			3.40 dBm	
M4 Spectrum Ref Level SGL Count : • 1Pk Max 10 dBm 0 dBm	1 Ban 17.63 dBm 30 dB	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz VBW 300 kHz	(HT2O)	uto FFT			3.40 dBm	
M4 Spectrum Ref Level Att SGL Count : 9 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm	1 Ban 17.63 dBm 30 dB 100/100	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz VBW 300 kHz	(HT2O)	uto FFT		2.41	3.40 dBm 69750 GHz	
M4 Spectrum Ref Level Att SGL Count : 9 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm	1 Ban 17.63 dBm 30 dB 100/100	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz VBW 300 kHz	(HT2O)	uto FFT		2.41	3.40 dBm 69750 GHz	
M4 Spectrum Ref Level SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm 40 dBm	1 Ban 17.63 dBm 30 dB 100/100	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz VBW 300 kHz	(HT2O)	uto FFT		2.41	3.40 dBm	
M4 Spectrum Ref Level Att SGL Count : 9 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm	1 Ban 17.63 dBm 30 dB 100/100	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz VBW 300 kHz	(HT2O)	uto FFT		2.41	3.40 dBm 69750 GHz	
M4 Spectrum Ref Level SGL Count SGL Count 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm 40 dBm	1 Ban 17.63 dBm 30 dB 100/100	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz VBW 300 kHz	(HT2O)	uto FFT		2.41	3.40 dBm 69750 GHz	
M4 Spectrum Ref Level : Att SGL Count : SGL Count : 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	1 Ban 17.63 dBm 30 dB 100/100	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz VBW 300 kHz	(HT2O)	uto FFT		2.41	3.40 dBm 69750 GHz	
M4 Spectrum Ref Level : Att SGL Count : IO dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm	1 Ban 17.63 dBm 30 dB 100/100	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz VBW 300 kHz	(HT2O)	uto FFT		2.41	3.40 dBm 69750 GHz	
M4 Spectrum Ref Level : Att SGL Count : SGL Count : 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	1 Ban 30 dB 100/100	2.48 d Edge offset 7. swt 7!	55 GHz NVNT 63 dB • 1 5.9 μs • 1	-42.93 de 802.11n RBW 100 kHz VBW 300 kHz	(HT2O)	uto FFT		2.41	3.40 dBm 69750 GHz	



●1Pk M		100/100								
10 dBm	_					M	1[1]		2.4	3.95 dBm 19∯∯00 GHz
0 dBm-						M	2[1]	والد	Laplachilles robber	-36749 dBm 500000 GHz
-10 dBr	۱ <u> </u>									
-20 dBr	ו	D1 -16.596	dBm							
-30 dBr										
-40 dBr							MAL3 MAN	W WWWW		Y
							ry war			× 11 G
-60 dBr	Marth	unarticle on the	www.	when	monterral	por a construction of the				
-70 dBr										
-80 dBr Start 2		GHz	I		1001	pts			Stop	2.427 GHz
Marker Type	Ref	Trc	X-value		Y-value	Func	tion	Fu	nction Resul	t I
M1 M2		1 1	2.4194	46 GHz .4 GHz	3.95 dB -36.49 dB	m				
1012				39 GHz	-43.91 dB					
M3		1								
M4 Spect Ref Le Att	vel	Ban 17.72 dBm 30 dB	2.388 od Edge Offset 7.	NVNT 8	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	" (HT20)		Hz Ant	1 Ref	
M4 Spect Ref Le	vel ount	Ban 17.72 dBm	2.388 od Edge Offset 7.	NVNT 8	-42.55 dB 802.11n 3w 100 kHz	m (HT20) Mode A	uto FFT	W 🚺	1 Ref	
M4 Spect Ref Le SGL Co 91Pk M	vel iunt ax	Ban 17.72 dBm 30 dB	2.388 od Edge Offset 7.	NVNT 8	-42.55 dB 802.11n 3w 100 kHz	m (HT20) Mode A		lHz Ant		4 (₩ ▼ 1.49 dBm 544880 GHz
M4 Spect Ref Le Att SGL Co	vel iunt ax	Ban 17.72 dBm 30 dB	2.388 od Edge Offset 7.	NVNT 8	-42.55 dB 802.11n 3w 100 kHz	m (HT20) Mode A	uto FFT	Hz Ant		1.49 dBm
M4 Spect Ref Le Att SGL Co • 1Pk M	vel iunt ax	Ban 17.72 dBm 30 dB	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	(HT20) Mode A	uto FFT		2.4	1.49 dBm
M4 Spect Ref Le Att SGL CC • 1Pk M 10 dBm	vel ount ax	Ban 17.72 dBm 30 dB	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	(HT20) Mode A	uto FFT		2.4	1.49 dBm
M4 Spect Ref Le Att SGL Cr ID dBm 0 dBm- -10 dBr	vel ount ax	Ban 17.72 dBm 30 dB	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	(HT20) Mode A	uto FFT		2.4	1.49 dBm
M4 Spect Ref Le Att SGL Cc 91Pk M 10 dBm 0 dBm-	vel ount ax	Ban 17.72 dBm 30 dB	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	(HT20) Mode A	uto FFT		2.4	1.49 dBm
M4 Spect Ref Le Att SGL CC 1Pk M 10 dBm -10 dBm -20 dBr	vel ax	1 Ban 17.72 dBm 30 dB 100/100	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	(HT20) Mode A	uto FFT		2.4	1.49 dBm 544880 GHz
M4 Spect Ref Le Att SGL CC P1Pk M 10 dBm -10 dBm -20 dBr		1 Ban 17.72 dBm 30 dB 100/100	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	(HT20) Mode A	uto FFT		2.4	1.49 dBm 544880 GHz
M4 Spect Ref Le Att SGL Cr • 1Pk M 10 dBm - 10 dBm - 20 dBr - 30 dBr - 30 dBr		1 Ban 17.72 dBm 30 dB 100/100	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	(HT20) Mode A	uto FFT		2.4	1.49 dBm 544880 GHz
M4 Spect Ref Le Att SGL CC • 1Pk M 10 dBm - 10 dBm - 10 dBm - 20 dBr - 30 dBr		1 Ban 17.72 dBm 30 dB 100/100	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	(HT20) Mode A	uto FFT		2.4	1.49 dBm
M4 Spect Ref Le Att SGL Cr • 1Pk M 10 dBm - 10 dBm - 20 dBr - 30 dBr - 30 dBr		1 Ban 17.72 dBm 30 dB 100/100	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	(HT20) Mode A	uto FFT		2.4	1.49 dBm 544880 GHz
M4 Spect Ref Le Att SGL CC PIPK M 10 dBm -10 dBm -20 dBm -20 dBr -30 dBr -40 dBr -50 dBr		1 Ban 17.72 dBm 30 dB 100/100	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	(HT20) Mode A	uto FFT		2.4	1.49 dBm 544880 GHz
M4 Spect Ref Le Att SGL Cd • 1Pk M 10 dBm - 10 dBm - 20 dBr - 30 dBr - 30 dBr - 30 dBr - 50 dBr		1 Ban 17.72 dBm 30 dB 100/100	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	(HT20) Mode A	uto FFT		2.4	1.49 dBm 544880 GHz
M4 Spect Ref Le Att SGL CC 10 dBm -10 dBm -20 dBm -20 dBr -30 dBr -40 dBr -50 dBr -60 dBr		1 Ban 17.72 dBm 30 dB 100/100	2.386 offset 7. swt 75	NVNT { 72 dB • Rf 5.9 μs • VI	-42.55 dB 802.11n BW 100 kHz BW 300 kHz	m (HT2O) Mode A	uto FFT		2.4	1.49 dBm 544880 GHz



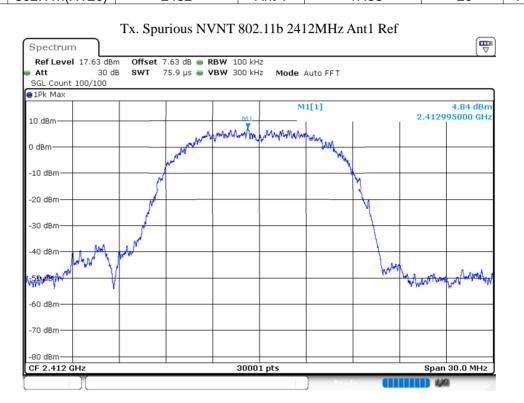
Spectrum								
Ref Level 17	.72 dBm	Offset 7.72 dB	RBW 100 kHz					
Att	30 dB	<b>SWT</b> 227.5 μs	🔵 VBW 300 kHz	Mode A	uto FFT			
SGL Count 10	0/100							
1Pk Max								
				M1	[1]			2.08 dBm
10 dBm								57400 GHz
-				M2	[1]			48.01 dBm
0 dBm	Mayerreta	ulmahty				I	2.48	35000 GHz
-10 dBm								
-20 dBm D1	-18.515	dBm						
-30 dBm								
40 dBm		4.						
-40 UBIII		Mugnow in N	na Nullalander vagt					
-50 dBm		. shall	They live mean by march	M3				
			4	manne	mandundu	hundpuller	When by person	and enough the served
-60 dBm								
-70 dBm								
-80 dBm								
Start 2.447 G	Hz		1001	nts			Ston '	2.547 GHz
Marker	1112		1001				0.00	
Type   Ref	Tro	X-value	Y-value	Functi	on I	Eup	tion Result	. 1
M1	1	2,45574 GHz	2.08 dBm			Fund	alon Kesult	
M2	1	2.4835 GHz	-48.01 dBm					
MЗ	1	2.5 GHz	-53.28 dBm					
M4	1	2.4839 GHz	-44.60 dBm	1				



## NTEK 北测<sup>®</sup>

8.6	CONDUCTED RF SPURIOUS EMISSION
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Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11b	2412	Ant 1	-50.22	-20	Pass
NVNT	802.11b	2437	Ant 1	-53.53	-20	Pass
NVNT	802.11b	2462	Ant 1	-51.76	-20	Pass
NVNT	802.11g	2412	Ant 1	-47.37	-20	Pass
NVNT	802.11g	2437	Ant 1	-48.03	-20	Pass
NVNT	802.11g	2462	Ant 1	-49.12	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-49.08	-20	Pass
NVNT	802.11n(HT20)	2437	Ant 1	-47.52	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-47.58	-20	Pass



Tx. Spurious NVNT 802.11b 2412MHz Ant1 Emission



pectrum										(₩
Ref Level				🖷 RBW 100 kHz						
Att	30 0	IB SWT :	250 ms	🔵 <b>VBW</b> 300 kHz	Mode .	Auto Swe	зер			
GL Count :	10/10									
LPk Max										
					M	1[1]				4.16 dBm
) dBm— <u>m</u>										12470 GHz
dBm					M	2[1]				45.39 dBm
							1		6.8	80936 GHz
0 dBm										
	01 -15.16	2.dBm								
0 dBm		-								
0 dBm										
U UBM										
0 dBm										
	м			M5						a .
0 dBm	and - Brink and		- Contractor	To all the location models	المسأحان أأخاصاتهم	n an			and deligenting of the	
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0 40.00										
art 30.0 M	٩Hz			30001	pts				Stop	25.0 GHz
arker										
ype   Ref	Trc	X-value	.	Y-value	Func	tion		Funct	ion Result	
M1	1	2.412	47 GHz	4.16 dBm						
M2	1	6.8809		-45.39 dBm						
MЗ	1	4.6569		-50.25 dBm						
M4	1	7.0657		-48.95 dBm						
M5	1	9.454	51 GHz	-49.92 dBm						

ACCREDITED

Certificate #4298.01

#### Tx. Spurious NVNT 802.11b 2437MHz Ant1 Ref





Att SGL Co	unt 1		lBm dB			RBW 1 VBW 3		Mode Auto	) Sweep	)			
⊜1Pk Ma	ix I				1			M1[1	1			6.55 dBm	
10 dBm-	ML		+								2.	439110 GHz	
0 dBm—			_					M2[1]	I		16.	-46.32 dBm 289632 GHz	
-10 dBm				0									
-20 dBm		1 -12.3	'85 a	Bm									
-30 dBm													
-40 dBm													
			MЗ	M	4	MS		الطويل والمعارية المالي	M2 Vinus	القصرية عاقدهم فأر	den an la second		
-50 dBm		article and	and here	<b>ANNO</b>	and the second sec		A set a set a set		ang the Arris	A Contract Contract	Contraction of the second	and the first state of	
-60 dBm			+										
-70 dBm	-		+										
01-15													
Start 30 Marker	J.U №	IHZ					30001 p	15			Sto	p 25.0 GHz	
Туре	Ref			X-value		Y-va		Function		Fund	ction Resu	lt	
M1		1		2.439	11 GHz 32 GHz		55 dBm 32 dBm						
M2				4 9948	68 GHz	-48.	46 dBm						
MЗ		1					08 dBm						
M3 M4 M5 Spectr		1	lBm	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	00 kHz			Ant1 Re	ef	×	
M3 M4 M5 Spectr Ref Le Att SGL Co	<b>vel</b> unt 1	1 1 1 17.72 ( 30	iBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm	1b 2462 Mode Auto		Ant1 Re	ef		
M3 M4 M5 Spectr Ref Le	<b>vel</b> unt 1	1 1 1 17.72 ( 30	iBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm	Mode Auto	) FFT	Ant1 Re	əf		
M3 M4 M5 Spectr Ref Le Att SGL Co	<b>vel</b> unt 1	1 1 1 17.72 ( 30	iBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm		) FFT	Ant1 Re		7.36 dBm 264000 GHz	
M3 M4 M5 Spectr Ref Le Att SGL Coi 1Pk Ma	<b>vel</b> unt 1	1 1 1 17.72 ( 30	iBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	Ant1 Re		7.36 dBm	
M3 M4 M5 Spectr Ref Le Att SGL Coi 1Pk Ma	<b>vel</b> unt 1	1 1 1 17.72 ( 30	iBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	Ant1 Re		7.36 dBm	
M3 M4 M5 Spectr Ref Le Att SGL Coi 1Pk Ma 10 dBm-	unt 1	1 1 1 17.72 ( 30	iBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	Ant1 Re		7.36 dBm	
M3 M4 M5 Spectr Ref Le Att SGL Cou 1Pk Ma 10 dBm- 0 dBm-	unt 1	1 1 1 17.72 ( 30	iBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	Ant1 Re		7.36 dBm	
M3 M4 M5 Spectr Ref Le Att SGL Cou 1Pk Ma 10 dBm- 0 dBm-	evel	1 1 1 17.72 ( 30	iBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	   	2.461	7.36 dBm 264000 GHz	
M3 M4 M5 Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm	evel	1 1 17.72 ( 30 00/100	IBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	   	2.461	7.36 dBm 264000 GHz	
M3 M4 M5 Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm	evel	1 1 17.72 ( 30 00/100	IBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	   	2.461	7.36 dBm 264000 GHz	
M3 M4 M5 Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm	evel	1 1 17.72 ( 30 00/100	IBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	   	2.461	7.36 dBm 264000 GHz	
M3 M4 M5 Spectr Ref Le Att SGL Co 10 dBm- 10 dBm- -10 dBm- -20 dBm -30 dBm	unt 1	1 1 17.72 ( 30 00/100	IBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	   	2.461	7.36 dBm	
M3 M4 M5 Spectr Ref Le Att SGL Co 1Pk Ma 10 dBm- -10 dBm- -20 dBm	unt 1	1 1 17.72 ( 30 00/100	IBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	   	2.461	7.36 dBm 264000 GHz	
M3 M4 M5 Spectr Ref Le Att SGL Co 10 dBm- 10 dBm- -10 dBm- -20 dBm -30 dBm	unt 1 XX	1 1 17.72 ( 30 00/100	IBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	   	2.461	7.36 dBm 264000 GHz	
M3 M4 M5 Spectr Ref Le Att SGL Co 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	well	1 1 17.72 ( 30 00/100	IBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	   	2.461	7.36 dBm 264000 GHz	
M3 M4 M5 Spectr Ref Le Att SGL Co 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -30 dBm	well	1 1 17.72 ( 30 00/100	IBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49.	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	   	2.461	7.36 dBm 264000 GHz	
M3 M4 M5 Spectr Ref Le Att SGL Co 10 dBm- -10 dBm- -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm			IBm dB	7.4261 9.8748 Spur	14 GHz 39 GHz ious N	-49. -49. -49. -49. 	40 dBm 802.1 00 kHz 00 kHz	Mode Auto	) FFT	   	2.461	7.36 dBm 264000 GHz	



Ref Level 17.72 a Att 30 SGL Count 10/10			<b>BW</b> 100 kH: <b>BW</b> 300 kH:		Auto Sweep			
●1Pk Max								
10 dBm	_			м	1[1]		2.4	6.68 dBm 61580 GHz
0 dBm				м	2[1]			44.40 dBm 63349 GHz
-10 dBm							10.0	00049 0112
D1 -12.6	544 dBm							
-20 dBm								
-30 dBm								
-40 dBm	мз .М4	м	5		M2	1		
-50 dBm			and the second sec	ار الأرامي المرجع ومراجع المراجع المحجور المرجع ومرجع والم			linia and a phone line Interaction of the second second	
-60 dBm								
-70 dBm								
Start 30.0 MHz Marker			3000:	1 pts			Stop	25.0 GHz
Type Ref Trc	X-value		Y-value	Func	tion	Fund	tion Result	
M1 1 M2 1	2.46158		6.68 dB -44.40 dB					
M3 1 M4 1	5.051467	7 GHz	-49.79 dB	m				
	7.261312		-48.55 dB -48.72 dB					
M5 1	10.000341							
Spectrum Ref Level 17.63 of	Tx. Spuric	DUS NV 63 db 🖷 R	NT 802. BW 100 kH: BW 300 kH:	z	) Dow 12MHz Auto FFT	Ant1 Re	ef	
Spectrum Ref Level 17.63 of	Tx. Spuric	DUS NV 63 db 🖷 R	<b>BW</b> 100 kH:	z z Mode /	Auto FFT	Ant1 Re	ef	
Spectrum Ref Level 17.63 o Att 30 SGL Count 100/100	Tx. Spuric	DUS NV 63 db 🖷 R	<b>BW</b> 100 kH:	z z Mode /				
Spectrum Ref Level 17.63 c Att 30 SGL Count 100/100 1Pk Max	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	Ant1 Re		1.56 dBm
Spectrum Ref Level 17.63 c Att 30 SGL Count 100/100 1Pk Max 10 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	<b>BW</b> 100 kH:	z Mode / M	Auto FFT 1[1]	M1		1.56 dBm
Spectrum Ref Level 17.63 c Att 30 SGL Count 100/100 IPk Max 10 dBm 0 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	M1		1.56 dBm
Spectrum Ref Level 17.63 c Att 30 SGL Count 100/100 IPk Max 10 dBm 0 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	M1		1.56 dBm
Spectrum           Ref Level 17.63 c           Att 30           SGL Count 100/100           IPk Max           10 dBm           -10 dBm           -20 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	M1	2.4188	1.56 dBm 66800 GHz
Spectrum           Ref Level 17.63 c           Att 30           SGL Count 100/100           IPk Max           10 dBm           -10 dBm           -20 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	M1	2.4188	1.56 dBm 66800 GHz
Spectrum           Ref Level 17.63 c           Att         30           SGL Count 100/100           IPk Max           10 dBm           -10 dBm           -20 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	M1	2.4188	1.56 dBm 66800 GHz
Spectrum           Ref Level 17.63 c           Att 30           SGL Count 100/100           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	M1	2.4188	1.56 dBm 66800 GHz
Spectrum           Ref Level 17.63 c           Att 30           SGL Count 100/100           IPk Max           10 dBm           -10 dBm           -20 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	M1	2.4188	1.56 dBm
Spectrum           Ref Level 17.63 c           Att 30           SGL Count 100/100           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	M1	2.4188	1.56 dBm 66800 GHz
Spectrum           Ref Level 17.63 c           Att         30           SGL Count 100/100           • IPk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	M1	2.4188	1.56 dBm 66800 GHz
Spectrum           Ref Level 17.63 c           Att 30           SGL Count 100/100           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -30 dBm           -50 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	M1	2.4188	1.56 dBm 66800 GHz
Spectrum           Ref Level 17.63 c           Att         30           SGL Count 100/100           • IPk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode / M	Auto FFT 1[1]	M1	2.4188	1.56 dBm 66800 GHz
Spectrum           Ref Level 17.63 c           Att         30           SGL Count 100/100           • IPk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -50 dBm           -60 dBm           -70 dBm	Tx. Spuric	DUS NV 63 dB — R 5.9 µs — V	BW 100 kH: BW 300 kH:	z Mode /	Auto FFT 1[1]	M1	2.4188	1.56 dBm 66800 GHz



<ul> <li>Att 30</li> <li>SGL Count 10/10</li> <li>1Pk Max</li> </ul>	dB SWT 250 ms 👄	VBW 300 kHz Mc	ode Auto Sweep		
			M1[1]		1.07 dBm
10 dBm			M2[1]		2.405820 GHz -45.81 dBm
0 dBm				1	5.309975 GHz
-10 dBm					
-20 dBm1D1 -18.4	-38 dBm				
-30 dBm					
-40 dBm	МВ М4 М5	5	M2		
-50 dBm					
-60 aBM					
-70 dBm		+ +			
Start 30.0 MHz		30001 pts		e	top 25.0 GHz
Marker					
TypeRefTrcM11	2.40582 GHz	Y-value   1.07 dBm	Function	Function Res	sult
M2 1	15.309975 GHz 4.992371 GHz	-45.81 dBm -49.16 dBm			
M3 1					
M3 1 M4 1	7.347042 GHz	-49.87 dBm			
M4         1           M5         1           Spectrum         1           Ref Level         17.77 c           Att         30	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB • dB SwT 75.9 µs •	-50.04 dBm	2437MHz A	Ant1 Ref	
M4         1           M5         1           Spectrum         1           Ref Level         17.77 c	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB • dB SwT 75.9 µs •	-50.04 dBm	ode Auto FFT	Ant1 Ref	
M4         1           M5         1           Spectrum         1           Ref Level         17.77           Att         30           SGL         Count           SGL         Count	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB • dB SwT 75.9 µs •	-50.04 dBm			2.43 dBm 84484100 GHz
M4         1           M5         1           Ref Level         17.77 c           Att         30           SGL         Count           100/100           1Pk	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	ode Auto FFT	2.43	2.43 dBm
M4         1           M5         1           Ref Level         17.77 cf           Att         30           SGL         Count           10 dBm         10 dBm	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	0de Auto FFT	2.43	2.43 dBm
M4         1           M5         1           Ref Level         17.77 c           Att         30           SGL Count         100/100           1Pk Max         10           dBm         -10 dBm	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	0de Auto FFT	2.43	2.43 dBm
M4         1           M5         1           Ref Level         17.77 c           Att         30           SGL Count         100/100           1Pk Max         10           dBm         0	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	0de Auto FFT	2.43	2.43 dBm
M4         1           M5         1           Ref Level         17.77 c           Att         30           SGL         Count           10 dBm         0           -10 dBm         -20 dBm	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	0de Auto FFT	2.40	2.43 dBm
M4         1           M5         1           Ref Level 17.77 c         Att           30         SGL Count 100/100           • 1Pk Max         10           0 dBm         -           -10 dBm         -           -20 dBm         -	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	0de Auto FFT	2.45	2.43 dBm 34484100 GHz
M4         1           M5         1           Ref Level         17.77 c           Att         30           SGL         Count           10 dBm         0           -10 dBm         -20 dBm	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	0de Auto FFT	2.45	2.43 dBm 34484100 GHz
M4         1           M5         1           Ref Level 17.77 c         Att           30         SGL Count 100/100           • 1Pk Max         10           0 dBm         -           -10 dBm         -           -20 dBm         -	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	0de Auto FFT	2.45	2.43 dBm
M4         1           M5         1           Ref Level 17.77 c         1           Att         30           SGL Count 100/100         1           PK Max         10           0 dBm         -           -10 dBm         -           -20 dBm         -           -30 dBm         -           -50 dBm         -	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	0de Auto FFT	2.45	2.43 dBm 34484100 GHz
M4         1           M5         1           Ref Level 17.77 c         1           Att         30           SGL Count 100/100         1           PK Max         10           0 dBm         -           -10 dBm         -           -20 dBm         -           -30 dBm         -           -30 dBm         -	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	0de Auto FFT	2.45	2.43 dBm 34484100 GHz
M4         1           M5         1           Ref Level 17.77 c         1           Att         30           SGL Count 100/100         1           PK Max         10           0 dBm         -           -10 dBm         -           -20 dBm         -           -30 dBm         -           -50 dBm         -	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	0de Auto FFT	2.45	2.43 dBm 34484100 GHz
M4         1           M5         1           Ref Level         17.77 c           Att         30           SGL         Count           10 dBm         0           -10 dBm         -           -20 dBm         -           -30 dBm         -           -50 dBm         -           -60 dBm         -	9.453678 GHz <b>Tx. Spurious N</b> IBm Offset 7.77 dB dB SWT 75.9 μs	-50.04 dBm	0de Auto FFT	2.45	2.43 dBm 34484100 GHz



Att 30 c SGL Count 10/10	iB SWT 250 ms 👄	VBW 300 kHz M	ode Auto Sweep	J		
●1Pk Max			M1[1]		3.10	dBm
10 dBm			 M2[1]		2.433280 -45.61	) GHz
0 dBm				1 1	6.979151	
-10 dBm						
-20 dBmD1 -17.57	2 dBm					
-30 dBm						
-40 dBm	M2 M3 <b>y</b> M4 ∣	MB				
-50 dBm						
-60 dBm						
-70 dBm						
Start 30.0 MHz	<u> </u>	30001 pts		<u>                                     </u>	Stop 25.0	GHz
Marker Type   Ref   Trc	X-value	Y-value	Function	Function	Result	
M1 1	2.43328 GHz	3.10 dBm		i unction		
M3 1	6.979151 GHz 5.033156 GHz	-45.61 dBm -49.36 dBm				
M4 1	7.498527 GHz	-49.63 dBm				
Spectrum Ref Level 17.72 dB Att 30 c		RBW 100 kHz	000 2462MHz	Ant1 Ref	4,X3	
Spectrum Ref Level 17.72 dB	Tx. Spurious N	VNT 802.11g	ode Auto FFT	Ant1 Ref	2.85	₩
Spectrum Ref Level 17.72 dB Att 30 d SGL Count 100/100	Tx. Spurious N	VNT 802.11g			2.85 2.455736200	dBm
Spectrum Ref Level 17.72 dB Att 30 c SGL Count 100/100 1Pk Max	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT			dBm
Spectrum Ref Level 17.72 dB Att 30 c SGL Count 100/100 1Pk Max 10 dBm	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT			dBm
Spectrum           Ref Level 17.72 dB           Att         30 c           SGL Count 100/100           1Pk Max           10 dBm           0 dBm           -10 dBm	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT			dBm
Spectrum Ref Level 17.72 dB Att 30 c SGL Count 100/100 1Pk Max 10 dBm 0 dBm	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT			dBm
Spectrum           Ref Level 17.72 dB           Att         30 c           SGL Count 100/100           1Pk Max           10 dBm           -10 dBm           -20 dBm	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT	- Antration	2.455736200	dBm
Spectrum           Ref Level 17.72 dB           Att         30 c           SGL Count 100/100           1Pk Max           10 dBm           0 dBm           -10 dBm	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT	- Antration	2.455736200	dBm
Spectrum           Ref Level 17.72 dB           Att         30 c           SGL Count 100/100           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT	- Antration		dBm
Spectrum           Ref Level 17.72 dB           Att         30 c           SGL Count 100/100           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT	- Antration	2.455736200	dBm
Spectrum           Ref Level 17.72 dB           Att         30 c           SGL Count 100/100           1Pk Max           10 dBm           0 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT	- Antration	2.455736200	dBm
Spectrum           Ref Level 17.72 dB           Att         30 c           SGL Count 100/100           • 1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT	- Antration	2.455736200	dBm
Spectrum           Ref Level 17.72 dB           Att         30 c           SGL Count 100/100           • 1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT	- Antration	2.455736200	dBm
Spectrum           Ref Level 17.72 dB           Att         30 c           SGL Count 100/100           1Pk Max           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm	Tx. Spurious N m Offset 7.72 dB B SWT 75.9 μs	VNT 802.11g RBW 100 kHz VBW 300 kHz M	ode Auto FFT	- Antration	2.455736200	dBm ) GHz



●1Pk Max	1		M1[1]			3.26 dBm
10 dBm					2.	455750 GHz
0 dBm			M2[1]		15.	-46.27 dBm 999147 GHz
-10 dBm						
-20 dBm D1 -17.19	54 dBm					
-30 dBm						
-40 dBm	M3 M4	Mā	MZ			
-50 dBm				Aller Ballers B		
-60 dBm						
-70 dBm						
Start 30.0 MHz						
Marker		30001	i pis		510	p 25.0 GHz
Type Ref Trc M1 1	2.45575 GH:	Z 3.26 dBr	Function	F	unction Resu	t
M2 1	15.999147 GH: 5.07394 GH:	z -46.27 dBr	m			
M2 1		2 49.00 UDI				
M3 1 M4 1	7.51018 GH:					
M4 1 M5 1	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl	z -49.93 dBr	n(HT20) 241		nt1 Ref	
M4         1           M5         1           Tx.           Spectrum           Ref Level         17.63 dl           Att         30	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl	z -49.93 dBr /NT 802.11n B <b>RBW</b> 100 kHz	n(HT20) 241			3.39 dBm
M4         1           M5         1           Tx.           Spectrum           Ref Level 17.63 di           Att         30           SGL Count 100/100	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl	z -49.93 dBr /NT 802.11n B <b>RBW</b> 100 kHz	m (HT20) 241 2 Mode Auto FF	т		
M4         1           M5         1           Tx.           Spectrum           Ref Level 17.63 di           Att         30           SGL Count 100/100           1Pk Max	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B • RBW 100 kHz s • VBW 300 kHz	m (HT20) 241 2 Mode Auto FF 	т	2.416	3.39 dBm
M4         1           M5         1           Tx.           Tx.           Spectrum           Ref Level         17.63 dl           Att         30           SGL Count         100/100           IPk Max         10           dBm         10	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B <b>RBW</b> 100 kHz	m (HT20) 241 2 Mode Auto FF 	т	2.416	3.39 dBm
M4         1           M5         1           TX.         Tx.           Spectrum         Image: Compare the system of	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B • RBW 100 kHz s • VBW 300 kHz	m (HT20) 241 2 Mode Auto FF 	т	2.416	3.39 dBm
M4         1           M5         1           Tx.         Tx.           Ref Level         17.63 dl           Att         30           SGL Count         100/100           IPk Max         10 dBm           0 dBm         0 dBm	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B • RBW 100 kHz s • VBW 300 kHz	m (HT20) 241 2 Mode Auto FF 	т	2.416	3.39 dBm
M4         1           M5         1           Tx.         Tx.           Spectrum         Tx.           Ref Level         17.63 di           Att         30           SGL Count         100/100           IPk Max         10           0 dBm	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B • RBW 100 kHz s • VBW 300 kHz	m (HT20) 241 2 Mode Auto FF 	т	2.416	3.39 dBm 643800 GHz
M4         1           M5         1           Tx.         Tx.           Spectrum         Tx.           Ref Level         17.63 di           Att         30           SGL Count         100/100           IPk Max         10           0 dBm	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B • RBW 100 kHz s • VBW 300 kHz	m (HT20) 241 2 Mode Auto FF 	т	2.416	3.39 dBm 643800 GHz
M4         1           M5         1           Tx.         Tx.           Spectrum         Tx.           Ref Level         17.63 dl           Att         30           SGL Count         100/100           ID dBm	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B • RBW 100 kHz s • VBW 300 kHz	m (HT20) 241 2 Mode Auto FF 	т	2.416	3.39 dBm 643800 GHz
M4         1           M5         1           Tx.         Tx.           Spectrum         Tx.           Ref Level         17.63 di           Att         30           SGL Count         100/100           IPk Max         10           0 dBm	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B • RBW 100 kHz s • VBW 300 kHz	m (HT20) 241 2 Mode Auto FF 	т	2.416	3.39 dBm 643800 GHz
M4         1           M5         1           Tx.         Tx.           Spectrum         Tx.           Ref Level         17.63 dl           Att         30           SGL Count         100/100           ID dBm	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B • RBW 100 kHz s • VBW 300 kHz	m (HT20) 241 2 Mode Auto FF 	т	2.416	3.39 dBm 643800 GHz
M4         1           M5         1           Tx.         Tx.           Spectrum         Tx.           Ref Level         17.63 dl           Att         30           SGL Count         100/100           ID dBm         0           O dBm         0           -10 dBm         0           -20 dBm         0           -30 dBm         0           -50 dBm         0           -60 dBm         0	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B • RBW 100 kHz s • VBW 300 kHz	m (HT20) 241 2 Mode Auto FF 	т	2.416	3.39 dBm 643800 GHz
M4         1           M5         1           Tx.         Tx.           Spectrum         Tx.           Ref Level         17.63 dl           Att         30           SGL         Count         100/100           IN         10         Max           10 dBm         -10 dBm         -20 dBm           -20 dBm         -30 dBm         -40 dBm           -50 dBm         -50 dBm         -50 dBm	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B • RBW 100 kHz s • VBW 300 kHz	m (HT20) 241 2 Mode Auto FF 	т	2.416	3.39 dBm 643800 GHz
M4         1           M5         1           Tx.         Tx.           Spectrum         Tx.           Ref Level         17.63 dl           Att         30           SGL Count         100/100           ID dBm         0           O dBm         0           -10 dBm         0           -20 dBm         0           -30 dBm         0           -50 dBm         0           -60 dBm         0	7.51018 GH: 9.922282 GH: Spurious NV 3m Offset 7.63 dl dB swT 75.9 μ	z -49.93 dBr /NT 802.11n B • RBW 100 kHz s • VBW 300 kHz	m (HT2O) 241 Mode Auto FF M1[1] M1[1]	т	2.416	3.39 dBm 643800 GHz



●1Pk Max								
10 dBm				M	1[1]		2.4	2.86 dBm 418300 GHz
0 dBm				M	2[1]			-45.70 dBm
							17.0	577131 GHz
-10 dBmD1 -16.6	512 dBm							
-20 dBm								
-30 dBm								
-40 dBm	ма М4					112		
-50 dBm	M3 M4	M5		and a stability of		ing Institute and the second	al multime district	مير المحد ال
-60 dem		girti <sup>ll</sup> eggenversistelsensel	ingen house and a little in the					
-70 dBm								
Start 30.0 MHz			30001 p	ots			Sto	p 25.0 GHz
Marker	y 1	1	V	1	I	-		
TypeRefTrcM11		B3 GHz	Y-value 2.86 dBm	Funct		Fun	ction Resul	L
M2 1 M3 1	17.67713	31 GHz 21 GHz	-45.70 dBm -50.20 dBm					
		59 GHz	-48.85 dBm					
M4 1	0.5660	10.011	50.00 ID					
M5 1 Tx Spectrum Ref Level 17.77 ( Att 30 SGL Count 100/100	db <b>SWT</b> 7	NVNT	-50.80 dBm 802.11n( RBW 100 kHz /BW 300 kHz	HT20)	2437N	dy 🚺 MHz Ant	1 Ref	0 (\
M5 1 Tx Spectrum Ref Level 17.77 ( Att 30	. Spurious	NVNT	802.11n( RBW 100 kHz	HT20) Mode 4	Auto FFT	MHz Ant	1 Ref	
M5 1 Tx Spectrum Ref Level 17.77 ( Att 30 SGL Count 100/100	. Spurious	NVNT	802.11n( RBW 100 kHz	HT20) Mode 4		MHz Ant		2.49 dBm 734200 GHz
M5 1 Tx Spectrum Ref Level 17.77 c Att 33 SGL Count 100/100 1Pk Max	. Spurious	NVNT	802.11n( RBW 100 kHz	HT20) Mode 4	Auto FFT	MHz Ant		2.49 dBm
M5 1 Tx Spectrum Ref Level 17.77 c Att 33 SGL Count 100/100 1Pk Max	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n(	HT20) Mode 4	Auto FFT		2.430	2.49 dBm
M5 1 Tx Spectrum Ref Level 17.77 ( Att 30 SGL Count 100/100 1Pk Max 10 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n( RBW 100 kHz	HT20) Mode 4	Auto FFT		2.430	2.49 dBm
M5 1 Tx Spectrum Ref Level 17.77 ( Att 30 SGL Count 100/100 1Pk Max 10 dBm 0 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n(	HT20) Mode 4	Auto FFT		2.430	2.49 dBm
M5 1 Tx Spectrum Ref Level 17.77 ( Att 30 SGL Count 100/100 1Pk Max 10 dBm 0 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n(	HT20) Mode 4	Auto FFT		2.430	2.49 dBm
M5 1 Tx Spectrum Ref Level 17.77 c Att 30 SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n(	HT20) Mode 4	Auto FFT		2.430	2.49 dBm
M5 1 Tx Spectrum Ref Level 17.77 c Att 30 SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n(	HT20) Mode 4	Auto FFT		2.430	2.49 dBm 734200 GHz
M5 1 Tx Spectrum Ref Level 17.77 ( Att 30 SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n( RBW 100 kHz ZBW 300 kHz	HT20) Mode 4	Auto FFT		2.430	2.49 dBm 734200 GHz
M5 1 Tx Spectrum Ref Level 17.77 of Att 300 SGL Count 100/100 PIPK Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n( RBW 100 kHz ZBW 300 kHz	HT20) Mode 4	Auto FFT		2.430	2.49 dBm 734200 GHz
M5 1 Tx Spectrum Ref Level 17.77 c Att 30 SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -20 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n( RBW 100 kHz ZBW 300 kHz	HT20) Mode 4	Auto FFT		2.430	2.49 dBm
M5 1 Tx Spectrum Ref Level 17.77 of Att 30 SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n( RBW 100 kHz ZBW 300 kHz	HT20) Mode 4	Auto FFT		2.430	2.49 dBm 734200 GHz
M5 1 Tx Spectrum Ref Level 17.77 c Att 33 SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n( RBW 100 kHz ZBW 300 kHz	HT20) Mode 4	Auto FFT		2.430	2.49 dBm 734200 GHz
M5 1 Tx Spectrum Ref Level 17.77 of Att 300 SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n( RBW 100 kHz ZBW 300 kHz	HT20) Mode 4	Auto FFT		2.430	2.49 dBm 734200 GHz
M5         1           Tx           Ref Level 17.77 (colspan="2">17.77 (colspan="2")           10 dBm           0 dBm           -20 dBm           -20 dBm           -50 dBm           -60 dBm           -70 dBm	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V		HT20)	Auto FFT		2.430	2.49 dBm 734200 GHz
M5         1           Ref Level         17.77 (c)           Att         30           SGL         Count           10 dBm         0           -10 dBm         -           -20 dBm         -           -50 dBm         -           -60 dBm         -	. Spurious	5 NVNT 7.77 dB • R 75.9 μs • V	802.11n( RBW 100 kHz ZBW 300 kHz	HT20)	Auto FFT		2.430	2.49 dBm 734200 GHz



●1Pk Max			1	M1[1]			2.82 dBm
10 dBm ML							31620 GHz
0 dBm				M2[1]			45.03 dBm 54554 GHz
-10 dBm					_		
-20 dBm D1 -17.5:	L5 dBm						
-30 dBm							
-40 dBm				M2			
-50 dBm	M3 M4	M5	المتعالية المعامية المعام	and enters the	يعاجرون وبالمليان أحت	Maria di Angli di Ang	Charlen and the second
-60 dBm	up no se de la contra de la contra de	And a second	and the state of the	a series of the barbarbarbarbarbarbarbarbarbarbarbarbarb		An and a second second	and the grand territy of the state of the
-70 dBm							
/0 db///							
Start 30.0 MHz			30001 pts			Stop	25.0 GHz
Marker Type   Ref   Trc	X-value	Y-u	alue   F	unction	Fun	tion Result	
M1 1 M2 1	2.43162 (	GHz :	2.82 dBm 5.03 dBm				
	5.022335 (		9.72 dBm				
M3 1							
M4 1 M5 1	7.363689 ( 9.933934 ( Spurious N 3m Offset 7.72	GHz -4 GHz -4	9.44 dBm 9.80 dBm 2.11n(HT 100 kHz	20) 2462	MHz Ant	I Ref	
M4         1           M5         1           Tx.           Spectrum           Ref Level         17.72 dd           Att         30         SGL Count 100/100	7.363689 ( 9.933934 ( Spurious N 3m Offset 7.72	GHZ -4 GHZ -4 IVNT 802 2 dB • RBW	9.44 dBm 9.80 dBm 2.11n(HT 100 kHz		MHz Ant		2.04 dBm
M4         1           M5         1           Tx.           Spectrum           Ref Level         17.72 dd           Att         30         SGL Count 100/100	7.363689 ( 9.933934 ( Spurious N 3m Offset 7.72	GHZ -4 GHZ -4 IVNT 802 2 dB • RBW	9.44 dBm 9.80 dBm 2.11n(HT 100 kHz	de Auto FFT	MHz Ant		
M4         1           M5         1           Tx.           Spectrum           Ref Level         17.72 df           Att         30           SGL Count         100/100           1Pk Max         10 dBm	7.363689 ( 9.933934 ( Spurious N 3m Offset 7.72 dB swT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 			2.04 dBm
M4 1 M5 1 Tx. Spectrum Ref Level 17.72 df Att 30 SGL Count 100/100 1Pk Max	7.363689 ( 9.933934 ( Spurious N Bm Offset 7.72 dB SwT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 			2.04 dBm
M4         1           M5         1           Tx.           Spectrum           Ref Level         17.72 dē           Att         30           SGL Count         100/100           1Pk Max         10           0 dBm         0	7.363689 ( 9.933934 ( Spurious N Bm Offset 7.72 dB SwT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 			2.04 dBm
M4         1           M5         1           TX.         Tx.           Spectrum         Tx.           Ref Level         17.72 dia           Att         30           SGL Count         100/100           1Pk Max         10           0 dBm	7.363689 ( 9.933934 ( Spurious N Bm Offset 7.72 dB SwT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 			2.04 dBm
M4         1           M5         1           Tx.         Tx.           Spectrum         Tx.           Ref Level         17.72 dB           Att         30           SGL Count         100/100           IPk Max         10           0 dBm         -0           -10 dBm         -20 dBm           -30 dBm         -30 dBm	7.363689 ( 9.933934 ( Spurious N Bm Offset 7.72 dB SwT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 		2.4557	2.04 dBm 34200 GHz
M4         1           M5         1           TX.         Tx.           Spectrum         Tx.           Ref Level         17.72 dia           Att         30           SGL Count         100/100           1Pk Max         10           0 dBm	7.363689 ( 9.933934 ( Spurious N Bm Offset 7.72 dB SwT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 		2.4557	2.04 dBm 34200 GHz
M4         1           M5         1           Tx.         Tx.           Spectrum         Tx.           Ref Level         17.72 db           Att         30           SGL Count         100/100           IPk Max         10 dBm           0 dBm         -0 dBm           -20 dBm         -30 dBm	7.363689 ( 9.933934 ( Spurious N Bm Offset 7.72 dB SwT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 		2.4557	2.04 dBm 34200 GHz
M4         1           M5         1           TX.         Tx.           Spectrum         Tx.           Ref Level         17.72 df           Att         30           SGL Count         100/100           IPk Max         10 dBm           0 dBm         -           -10 dBm         -           -20 dBm         -           -30 dBm         -	7.363689 ( 9.933934 ( Spurious N Bm Offset 7.72 dB SwT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 		2.4557	2.04 dBm
M4         1           M5         1           TX.         Tx.           Spectrum         Tx.           Ref Level         17.72 df           Att         30           SGL Count         100/100           IPk Max         10 dBm           0 dBm         -           -10 dBm         -           -20 dBm         -           -30 dBm         -	7.363689 ( 9.933934 ( Spurious N Bm Offset 7.72 dB SwT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 		2.4557	2.04 dBm 34200 GHz
M4         1           M5         1           TX.         Tx.           Spectrum         Image: Construction of the second s	7.363689 ( 9.933934 ( Spurious N Bm Offset 7.72 dB SwT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 		2.4557	2.04 dBm 34200 GHz
M4         1           M5         1           Tx.         Tx.           Spectrum         Tx.           Ref Level         17.72 dB           Att         30           SGL         Count         100/100           IPk Max         10         dBm           0 dBm	7.363689 ( 9.933934 ( Spurious N Bm Offset 7.72 dB SwT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 		2.4557	2.04 dBm 34200 GHz
M4         1           M5         1           TX.         Train and the second sec	7.363689 ( 9.933934 ( Spurious N Bm Offset 7.72 dB SwT 75.9	GHz         -4'           GHz         -4'           NVNT 802           e dB         RBW           θ μs         VBW	9.44 dBm 9.80 dBm 2.11n(HT) 100 kHz 300 kHz Mo	de Auto FFT 		2.4557	2.04 dBm 34200 GHz



	rum	L								(₩
Ref L Att	evel	17.72 c			RBW 100 kHz					
Att SGL C	nunt 1		db SWT	250 ms	● <b>VBW</b> 300 kHz	Mode A	luto Sweep			
1Pk M		0/10								
				1		M	1[1]			1.66 dBm
10 dBm									2.4	54920 GHz
	M					M	2[1]		-	45.54 dBm
0 dBm-				+					15.9	73345 GHz
-10 dBr	n									
10 001										
20 dBr	n—P	1 -17.9	959 dBm	+						
30 dBr	_									
30 UBI										
40 dBr	n						M2			
			мз	14	M5		. بايونية الأليرية .			
50 dBr	n Maria In	and a first date		I and starting		and a second	and a strand or store of the second		The second se	
	and the	and the second	and a second second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Contra and Participation of the					
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60 dBr	"									
				+						
-60 dBr -70 dBr Start 3	n	IHz			30001	pts			Stor	25.0 GHz
-70 dBr Start :	n	IHz			30001	pts			Stop	25.0 GHz
-70 dBr Start : 1arker	n	IHz	X-valu	e	30001 Y-value	pts	tion	Fund	Stor tion Result	
-70 dBr Start 3 1arker Type M1	n			ie 492 GHz		Funct	tion	Fund		
-70 dBr Start : Iarker Type M1 M2	n	<b>Trc</b> 1	2.45 15.973	492 GHz 345 GHz	<b>Y-value</b> 1.66 dBm -45.54 dBm	Funct	tion	Fund		
-70 dBr Start 3 Marker Type M1	n	Trc 1	2.45 15.973 4.753	492 GHz	Y-value 1.66 dBm	Funct	tion	Fund		

END OF REPORT