

FCC RADIO TEST REPORT FCC ID: ZSW-30-110

Product:	Mobile Phone
Trade Mark:	Bmobile
Model No.:	BL50
Family Model:	N/A
Report No.:	S21041200602003
Issue Date:	Apr. 25, 2021

Prepared for

b mobile HK Limited

Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung;New Territories; Hong Kong.

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.

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1 TEST RESULT CERTIFICATION

Applicant's name:	b mobile HK Limited
Address:	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung;New Territories; Hong Kong.
Manufacturer's Name:	b mobile HK Limited
Address:	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung;New Territories; Hong Kong.
Product description	
Product name:	Mobile Phone
Model and/or type reference:	BL50
Family Model	N/A

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	: Apr.12,2021 ~ Apr. 25,2021
	Know . Hu
Testing Engineer	
	(Mary Hu)
Technical Manager	Jasonchen
C C	(Jason Chen)
Authorized Signatory	Ales
Authorized Signatory	:(Alex Li)

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2 SUMMARY OF TEST RESULTS

SUMMART OF TE						
FCC Part15 (15.247), Subpart C						
Standard Section Test Item Verdict Remark						
15.207	Conducted Emission	PASS				
15.247 (a)(2)	6dB Bandwidth	PASS				
15.247 (b)	Maximum Output Power	PASS				
15.209 (a) 15.205 (a)	Radiated Spurious Emission	PASS				
15.247 (e)	Power Spectral Density	PASS				
15.247 (d)	Band Edge Emission	PASS				
15.247 (d)	Spurious RF Conducted Emission	PASS				
15.203	Antenna Requirement	PASS				

Remark:

1. "N/A" denotes test is not applicable in this Test Report.

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 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
	: 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	±1.38dB	
2	RF power, conducted	±0.16dB	
3	Spurious emissions, conducted	±0.21dB	
4	All emissions, radiated(<1G)	±4.68dB	
5	All emissions, radiated(>1G)	±4.89dB	
6	Temperature	±0.5°C	
7	Humidity	±2%	

4 GENERAL DESCRIPTION OF EUT

	Product Feature and Specification		
Equipment	Mobile Phone		
Trade Mark	Bmobile		
FCC ID	ZSW-30-110		
Model No.	BL50		
Family Model	N/A		
Model Difference	N/A		
Operating Frequency	2412-2462MHz for 802.11b/g/11n(HT20);		
Modulation	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;		
Number of Channels	11 channels for 802.11b/g/11n(HT20);		
Antenna Type	FPC Antenna		
Antenna Gain	0.9 dBi		
Power supply	DC 3.7V/ 2000mAh from battery or DC 5V from Adapter.		
Adapter	Input: 100-240V~50-60Hz 0.2A Output: 5.0V1A		
HW Version	Bmobile_BL50_HW_V1.0		
SW Version	Bmobile_BL50_TIGO_LATAM_V001		

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



Revision History				
Report No.	Version	Description	Issued Date	
S21041200602003	Rev.01	Initial issue of report	Apr. 25, 2021	



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;) were used for all test.

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

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

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

Note: fc=2412MHz+(k-1)×5MHz k=1 to 11

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



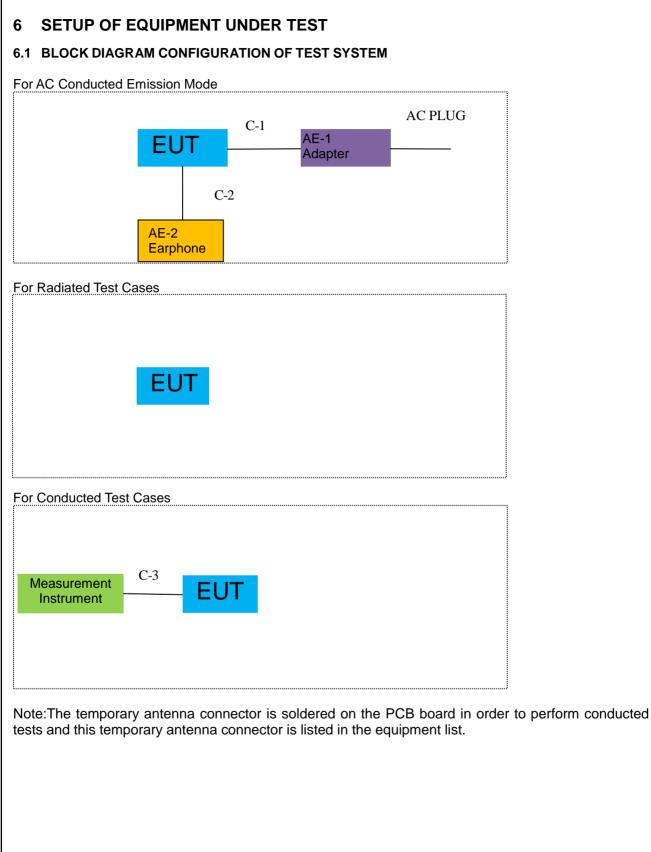


Test Items	Mode	Data Rate	Channel	Ant
AC Power Line Conducted Emissions	Normal Link	-	-	-
	11b/CCK	1 Mbps	1/6/11	1
Maximum Conducted Output Power	11g/BPSK	6 Mbps	1/6/11	1
Powei	11n HT20	MCS0	1/6/11	1
	11b/CCK	1 Mbps	1/6/11	1
Power Spectral Density	11g/BPSK	6 Mbps	1/6/11	1
i ower opeeral beholdy	11n HT20	MCS0	1/6/11	1
	11b/CCK	1 Mbps	1/6/11	1
6dB Spectrum Bandwidth				
	11g/BPSK	6 Mbps	1/6/11	1
	11n HT20	MCS0	1/6/11	1
Radiated Emissions Below 1GHz	Normal Link	-	-	-
Radiated Emissions Above		4. Milana	4/0/44	4
1GHz	11b/CCK	1 Mbps	1/6/11	1
10112	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

ACCREDITED

Certificate #4298.01







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	Adapter	N/A	N/A	Peripherals
AE-2	Earphone	N/A	N/A	Peripherals

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

Notes:

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

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6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

		estequipment					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibrati on period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2020.05.11	2021.05.10	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2020.07.13	2021.07.12	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2020.07.13	2021.07.12	1 year
4	Test Receiver	R&S	ESPI7	101318	2020.05.11	2021.05.10	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2020.05.11	2021.05.10	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	2020.05.11	2021.05.10	1 year
8	Broadband Horn Antenna	SCHWARZBE CK	BBHA 9170	803	2020.05.11	2021.05.10	1 year
9	Amplifier	EMC	EMC051835 SE	980246	2020.07.13	2021.07.12	1 year
10	Active Loop Antenna	SCHWARZBE CK	FMZB 1519 B	055	2020.05.11	2021.05.10	1 year
11	Power Meter	DARE	RPR3006W	15I00041SN 084	2020.07.13	2021.07.12	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	2019.06.28	2022.06.27	3 year
15	High Test Cable(1G-40G Hz)	N/A	R-04	N/A	2020.05.11	2021.05.10	1 year
16	Filter	TRILTHIC	2400MHz	29	2020.07.13	2021.07.12	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



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AC Co	AC Conduction Test equipment						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2020.05.11	2021.05.10	1 year
2	LISN	R&S	ENV216	101313	2020.05.11	2021.05.10	1 year
3	LISN	SCHWARZBE CK	NNLK 8129	8129245	2020.05.11	2021.05.10	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	2021.05.10	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

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a)

7.1.2 Conformance Limit

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

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

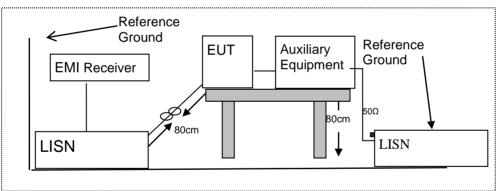
2. The lower limit shall apply at the transition frequencies

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

7.1.3 Measuring Instruments

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

7.1.4 Test Configuration



7.1.5 Test Procedure

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

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



7.1.6 Test Results

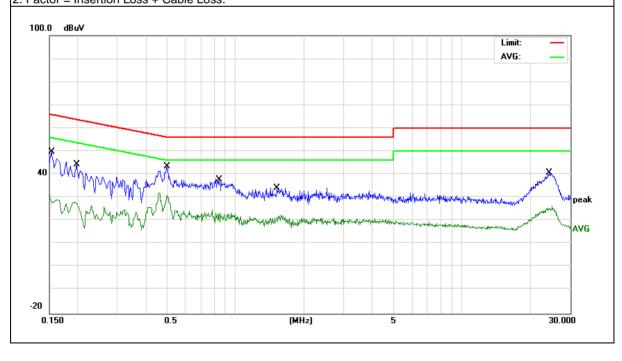
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EUT:	Mobile Phone	Model Name :	BL50
Temperature:	23 ℃	Relative Humidity:	40%
Pressure:	1010hPa	Phase :	L
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Normal Link

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Demeria
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1539	40.22	9.56	49.78	65.78	-16.00	QP
0.1539	21.46	9.56	31.02	55.78	-24.76	AVG
0.1980	34.92	9.55	44.47	63.69	-19.22	QP
0.1980	18.45	9.55	28.00	53.69	-25.69	AVG
0.4980	34.04	9.55	43.59	56.03	-12.44	QP
0.4980	22.51	9.55	32.06	46.03	-13.97	AVG
0.8460	28.23	9.55	37.78	56.00	-18.22	QP
0.8460	15.19	9.55	24.74	46.00	-21.26	AVG
1.5260	24.56	9.58	34.14	56.00	-21.86	QP
1.5260	12.99	9.58	22.57	46.00	-23.43	AVG
24.2020	30.82	9.94	40.76	60.00	-19.24	QP
24.2020	16.41	9.94	26.35	50.00	-23.65	AVG

Remark:

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





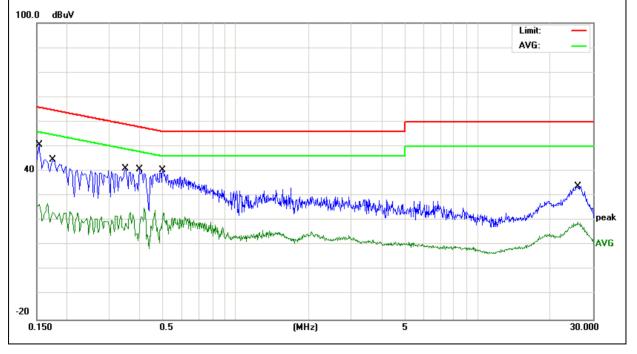
EUT:	Mobile Phone	Model Name :	BL50
Temperature:	23 °C	Relative Humidity:	40%
Pressure:	1010hPa	Phase :	Ν
Test Voltage :	DC 5V from Adapter AC 120V/60Hz	Test Mode:	Normal Link

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Remark
0.1539	40.97	9.55	50.52	65.78	-15.26	QP
0.1539	17.03	9.55	26.58	55.78	-29.20	AVG
0.1740	13.84	9.55	23.39	54.76	-31.37	AVG
0.1749	34.81	9.54	44.35	64.72	-20.37	QP
0.3500	31.55	9.53	41.08	58.96	-17.88	QP
0.3500	13.89	9.53	23.42	48.96	-25.54	AVG
0.3980	31.28	9.54	40.82	57.89	-17.07	QP
0.3980	15.51	9.54	25.05	47.89	-22.84	AVG
0.4980	30.85	9.54	40.39	56.03	-15.64	QP
0.4980	13.60	9.54	23.14	46.03	-22.89	AVG
26.0100	23.91	9.91	33.82	60.00	-26.18	QP
26.0100	9.68	9.91	19.59	50.00	-30.41	AVG

Remark:

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

2. Factor = Insertion Loss + Cable Loss.





7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

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

7.2.2 Conformance Limit

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

According to 1 00 1 art 15:200, Restricted bands				
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)		
Trequency(imrz)	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);

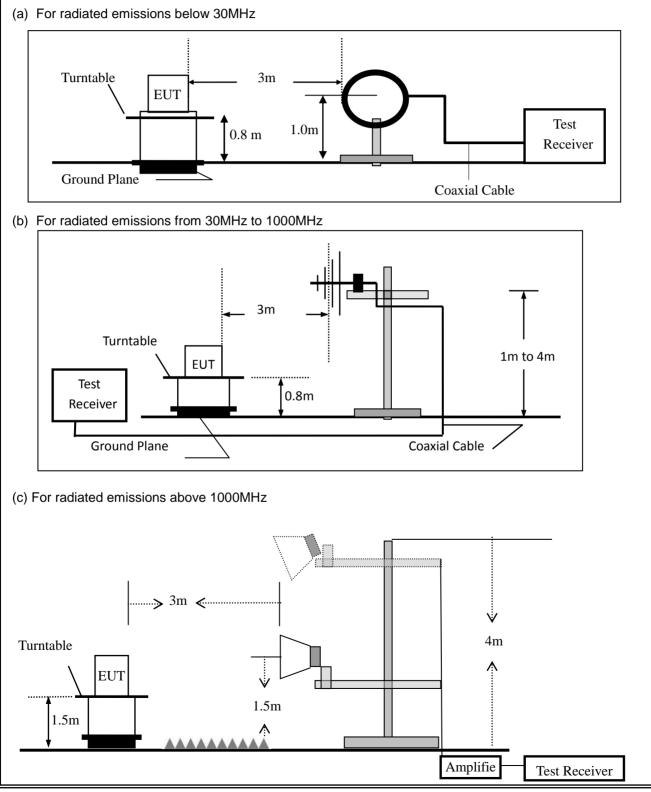
Limit line=Specific limits(dBuV) + distance extrapolation factor.



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:	Mobile Phone	N	/odel No.:	BL50
Temperature:	20 ℃	R	Relative Humidity:	48%
Test Mode:	802.11b/g/n(HT20)	Т	est By:	Mary Hu

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

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



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

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

EUT:	Mobile Phone	Model Name :	BL50
Temperature:	26 ℃	Relative Humidity:	53%
Pressure:	1010hPa	Test Mode:	Normal Link
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	30.1054	11.80	18.78	30.58	40.00	-9.42	QP
V	90.2205	20.93	9.76	30.69	43.50	-12.81	QP
V	130.8369	13.63	12.55	26.18	43.50	-17.32	QP
V	225.3080	15.06	10.87	25.93	46.00	-20.07	QP
V	790.6187	6.89	25.18	32.07	46.00	-13.93	QP
V	958.7943	6.74	28.41	35.15	46.00	-10.85	QP

Remark:



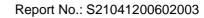




Report No.: S21041200602003

(H/V) (MHz) (dBuV) (dB) (dBuV/m) (dBuV/m) (dB) (dBuV/m) (dB) (dB) (dBuV/m) (dB) (dB) (dBuV/m) (dB) <	Polar	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Domori
H 90.2205 18.68 9.76 28.44 43.50 -15.06 QP H 261.9753 8.64 14.74 23.38 46.00 -22.62 QP H 731.9202 6.89 25.17 32.06 46.00 -13.94 QP H 854.0247 7.00 26.13 33.13 46.00 -12.87 QP H 932.2714 7.91 27.82 35.73 46.00 -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m 46.00 -10.27 QP 32 dBuV/m 0 0 -10.27 QP -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit -10.27 QP -10.27 -10.27 QP -10.27 -10.	(H/V)	(MHz)	-	(dB)		(dBuV/m)	(dB)	Remark
H 261.9753 8.64 14.74 23.38 46.00 -22.62 QP H 731.9202 6.89 25.17 32.06 46.00 -13.94 QP H 854.0247 7.00 26.13 33.13 46.00 -12.87 QP H 932.2714 7.91 27.82 35.73 46.00 -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m Margin: - 32 dBuV/m - <	Н	40.4172	6.58	13.77	20.35	40.00	-19.65	QP
H 731.9202 6.89 25.17 32.06 46.00 -13.94 QP H 854.0247 7.00 26.13 33.13 46.00 -12.87 QP H 932.2714 7.91 27.82 35.73 46.00 -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m	Н	90.2205	18.68	9.76	28.44	43.50	-15.06	QP
H 854.0247 7.00 26.13 33.13 46.00 -12.87 QP H 932.2714 7.91 27.82 35.73 46.00 -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m dBuV/m dBuV/m data data<	Н	261.9753	8.64	14.74	23.38	46.00	-22.62	QP
H 932.2714 7.91 27.82 35.73 46.00 -10.27 QP Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit Imit: Imit:	Н	731.9202	6.89	25.17	32.06	46.00	-13.94	QP
Remark: Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m	Н	854.0247	7.00	26.13	33.13	46.00	-12.87	QP
Emission Level = Meter Reading+ Factor, Margin= Emission Level- Limit 72.0 dBuV/m	Н	932.2714	7.91	27.82	35.73	46.00	-10.27	QP
	72.0 dBu	W/m						
							and the second	xan Xan
	8				annad Aller Indone			





■ Spuriou	s Emissio	n Above	1GHz (1Gl	Hz to 25G	,				
EUT: Mobile Phone				Mod	el No.:	BL5	0		
Temperature: 20 °C				Rela	Relative Humidity: 48%				
Test Mode:		802.11b	/g/n(HT20))	Tes	: By:	Mar	y Hu	
All the modu	ulation mo	des have	been teste	ed, and the	e worst res	ult was repo	rt as belo	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)		
		-	Low Char	nnel (2412 l	MHz)(802.1	b)Above 10	G		
4824.60	68.22	5.21	35.59	44.30	64.72	74.00	-9.28	Pk	Vertical
4824.60	50.08	5.21	35.59	44.30	46.58	54.00	-7.42	AV	Vertical
7326.59	69.57	6.48	36.27	44.60	67.72	74.00	-6.28	Pk	Vertical
7326.59	50.77	6.48	36.27	44.60	48.92	54.00	-5.08	AV	Vertical
4824.67	69.01	5.21	35.55	44.30	65.47	74.00	-8.53	Pk	Horizontal
4824.67	50.75	5.21	35.55	44.30	47.21	54.00	-6.79	AV	Horizontal
7326.64	68.42	6.48	36.27	44.52	66.65	74.00	-7.35	Pk	Horizontal
7326.64	49.05	6.48	36.27	44.52	47.28	54.00	-6.72	AV	Horizontal
			Middle Cha	annel (2437	′ MHz)(802.′	1b)Above 1	IG	1	
4874.49	70.72	5.21	35.66	44.20	67.39	74.00	-6.61	Pk	Vertical
4874.49	48.51	5.21	35.66	44.20	45.18	54.00	-8.82	AV	Vertical
7311.25	68.92	7.10	36.50	44.43	68.09	74.00	-5.91	Pk	Vertical
7311.25	47.48	7.10	36.50	44.43	46.65	54.00	-7.35	AV	Vertical
4874.64	69.41	5.21	35.66	44.20	66.08	74.00	-7.92	Pk	Horizontal
4874.64	50.15	5.21	35.66	44.20	46.82	54.00	-7.18	AV	Horizontal
7311.06	68.21	7.10	36.50	44.43	67.38	74.00	-6.62	Pk	Horizontal
7311.06	48.82	7.10	36.50	44.43	47.99	54.00	-6.01	AV	Horizontal
		T	High Cha	nnel (2462	MHz)(802.1	1b)Above 1	G	1	
4924.52	70.38	5.21	35.52	44.21	66.90	74.00	-7.10	Pk	Vertical
4924.52	50.17	5.21	35.52	44.21	46.69	54.00	-7.31	AV	Vertical
7386.95	69.61	7.10	36.53	44.60	68.64	74.00	-5.36	Pk	Vertical
7386.95	48.48	7.10	36.53	44.60	47.51	54.00	-6.49	AV	Vertical
4924.47	68.88	5.21	35.52	44.21	65.40	74.00	-8.60	Pk	Horizontal
4924.47	47.01	5.21	35.52	44.21	43.53	54.00	-10.47	AV	Horizontal
7386.15	69.85	7.10	36.53	44.60	68.88	74.00	-5.12	Pk	Horizontal
7386.15	47.93	7.10	36.53	44.60	46.96	54.00	-7.04	AV	Horizontal

ACCREDITED

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.



Report No.: S21041200602003

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

<u>I the modula</u>	tion mode	<u>s have b</u>	peen teste	d, and the	worst resu	ilt was repo	rt as belo	OW:	
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	
				80	02.11b				
2310.00	70.91	2.97	27.80	43.80	57.88	74	-16.12	Pk	Horizontal
2310.00	50.07	2.97	27.80	43.80	37.04	54	-16.96	AV	Horizontal
2310.00	69.71	2.97	27.80	43.80	56.68	74	-17.32	Pk	Vertical
2310.00	50.95	2.97	27.80	43.80	37.92	54	-16.08	AV	Vertical
2390.00	69.14	3.14	27.21	43.80	55.69	74	-18.31	Pk	Vertical
2390.00	48.91	3.14	27.21	43.80	35.46	54	-18.54	AV	Vertical
2390.00	68.03	3.14	27.21	43.80	54.58	74	-19.42	Pk	Horizontal
2390.00	47.34	3.14	27.21	43.80	33.89	54	-20.11	AV	Horizontal
2483.50	69.74	3.58	27.70	44.00	57.02	74	-16.98	Pk	Vertical
2483.50	46.61	3.58	27.70	44.00	33.89	54	-20.11	AV	Vertical
2483.50	69.81	3.58	27.70	44.00	57.09	74	-16.91	Pk	Horizontal
2483.50	46.34	3.58	27.70	44.00	33.62	54	-20.38	AV	Horizontal
				80	02.11g				
2310.00	69.56	2.97	27.80	43.80	56.53	74	-17.47	Pk	Horizontal
2310.00	50.90	2.97	27.80	43.80	37.87	54	-16.13	AV	Horizontal
2310.00	69.26	2.97	27.80	43.80	56.23	74	-17.77	Pk	Vertical
2310.00	50.29	2.97	27.80	43.80	37.26	54	-16.74	AV	Vertical
2390.00	70.39	3.14	27.21	43.80	56.94	74	-17.06	Pk	Vertical
2390.00	48.24	3.14	27.21	43.80	34.79	54	-19.21	AV	Vertical
2390.00	70.13	3.14	27.21	43.80	56.68	74	-17.32	Pk	Horizontal
2390.00	48.20	3.14	27.21	43.80	34.75	54	-19.25	AV	Horizontal
2483.50	69.01	3.58	27.70	44.00	56.29	74	-17.71	Pk	Vertical
2483.50	48.34	3.58	27.70	44.00	35.62	54	-18.38	AV	Vertical
2483.50	70.39	3.58	27.70	44.00	57.67	74	-16.33	Pk	Horizontal
2483.50	49.34	3.58	27.70	44.00	36.62	54	-17.38	AV	Horizontal
				802	2.11n20				
2310.00	59.40	2.97	27.80	43.80	46.37	74	-27.63	Pk	Horizontal
2310.00	48.75	2.97	27.80	43.80	35.72	54	-18.28	AV	Horizontal
2310.00	62.68	2.97	27.80	43.80	49.65	74	-24.35	Pk	Vertical
2310.00	51.30	2.97	27.80	43.80	38.27	54	-15.73	AV	Vertical
2390.00	60.06	3.14	27.21	43.80	46.61	74	-27.39	Pk	Vertical
2390.00	47.85	3.14	27.21	43.80	34.40	54	-19.60	AV	Vertical
2390.00	58.19	3.14	27.21	43.80	44.74	74	-29.26	Pk	Horizontal
2390.00	47.11	3.14	27.21	43.80	33.66	54	-20.34	AV	Horizontal
2483.50	59.05	3.58	27.70	44.00	46.33	74	-27.67	Pk	Vertical
2483.50	48.64	3.58	27.70	44.00	35.92	54	-18.08	AV	Vertical
2483.50	62.25	3.58	27.70	44.00	49.53	74	-24.47	Pk	Horizontal
2483.50	47.52	3.58	27.70	44.00	34.80	54	-19.20	AV	Horizontal

Spurious Emission in Restricted Bands 3260MHz- 18000MHz

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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	69.36	4.04	29.57	44.70	58.27	74	-15.73	Pk	Vertical
3260	46.67	4.04	29.57	44.70	35.58	54	-18.42	AV	Vertical
3260	69.64	4.04	29.57	44.70	58.55	74	-15.45	Pk	Horizontal
3260	47.52	4.04	29.57	44.70	36.43	54	-17.57	AV	Horizontal
3332	68.34	4.26	29.87	44.40	58.07	74	-15.93	Pk	Vertical
3332	46.21	4.26	29.87	44.40	35.94	54	-18.06	AV	Vertical
3332	69.71	4.26	29.87	44.40	59.44	74	-14.56	Pk	Horizontal
3332	49.82	4.26	29.87	44.40	39.55	54	-14.45	AV	Horizontal
17797	53.92	10.99	43.95	43.50	65.36	74	-8.64	Pk	Vertical
17797	32.38	10.99	43.95	43.50	43.82	54	-10.18	AV	Vertical
17788	57.24	11.81	43.69	44.60	68.14	74	-5.86	Pk	Horizontal
17788	32.38	11.81	43.69	44.60	43.28	54	-10.72	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 \geq 3*RBW Sweep = auto Detector function = peak Trace = max hold



7.3.6 Test Results

EUT:	Mobile Phone	Model No.:	BL50
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Mary Hu

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 = Ton / Ttotal

7.4.6 Test Results

EUT:	Mobile Phone	Model No.:	BL50
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	N/A

Note: Not applicable



7.5 MAXIMUM OUTPUT POWER

7.5.1 Applicable Standard

According to FCC Part 15.247(b)(3) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.3.2.3.

7.5.2 Conformance Limit

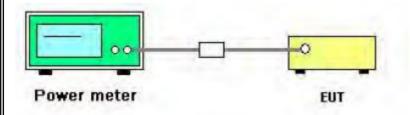
The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm). If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be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

7.5.3 Measuring Instruments

The following table is the setting of the power meter.

Power meter parameter	Setting
Detector	РК

7.5.4 Test Setup



7.5.5 Test Procedure

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

7.5.6 EUT operation during Test

The EUT was programmed to be in continuously transmitting mode.



7.5.7 Test Results

EUT:	Mobile Phone	Model No.:	BL50
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Mary Hu

Test data reference attachment.



7.6 POWER SPECTRAL DENSITY

7.6.1 Applicable Standard

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

7.6.2 Conformance Limit

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

7.6.3 Measuring Instruments

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

7.6.4 Test Setup

Please refer to Section 6.1 of this test report.

7.6.5 Test Procedure

The testing follows Measurement Procedure Subclause 11.10.2 of ANSI C63.10

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance, and is optional if the maximum conducted (average) output power was used to demonstrate compliance.

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

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

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

d) Set the VBW \geq 3 *RBW.

e) Detector = peak.

f) Sweep time = auto couple.

g) Trace mode = max hold.

h) Allow trace to fully stabilize.

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

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



7.6.6 Test Results

EUT:	Mobile Phone	Model No.:	BL50
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Mary Hu

Test data reference attachment.





7.7 CONDUCTED BAND EDGE MEASUREMENT

7.7.1 Applicable Standard

According to FCC Part 15.247(d) and KDB 558074 D01 15.247 Meas Guidance v05r02 Section 8.7.

7.7.2 Conformance Limit

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

7.7.3 Measuring Instruments

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

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

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

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

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

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

The EUT was operating in controlled its channel.

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

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

Repeat above procedures until all measured frequencies were complete.



7.7.6 Test Results

EUT:	Mobile Phone	Model No.:	BL50
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	802.11b/g/n20	Test By:	Mary Hu

Test data reference attachment.



7.8 SPURIOUS RF CONDUCTED EMISSIONS

7.8.1 Conformance Limit

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

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

7.8.2 Measuring Instruments

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

7.8.3 Test Setup

Please refer to Section 6.1 of this test report.

7.8.4 Test Procedure

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

7.8.5 Test Results

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

Test data reference attachment.



7.9 ANTENNA APPLICATION

7.9.1 Antenna Requirement

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

7.9.2 Result

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



8 TEST RESULTS

8.1 MAXIMUM CONDUCTED OUTPUT POWER

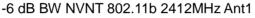
Condition	Mode	Frequency	Antenna	Conducted Power	Limit	Verdict
Condition NVNT NVNT NVNT NVNT NVNT NVNT NVNT NVN		(MHz)		(dBm)	(dBm)	
NVNT	802.11b	2412	Ant 1	14.26	30	Pass
NVNT	802.11b	2437	Ant 1	14.27	30	Pass
NVNT	802.11b	2462	Ant 1	14.42	30	Pass
NVNT	802.11g	2412	Ant 1	13.38	30	Pass
NVNT	802.11g	2437	Ant 1	13.17	30	Pass
NVNT	802.11g	2462	Ant 1	13.64	30	Pass
NVNT	802.11n(HT20)	2412	Ant 1	13.34	30	Pass
NVNT	802.11n(HT20)	2437	Ant 1	13.19	30	Pass
NVNT	802.11n(HT20)	2462	Ant 1	13.61	30	Pass

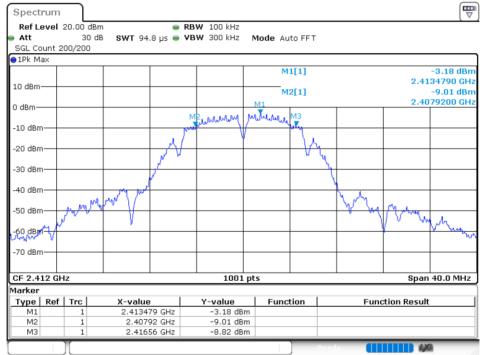


8.2 OCCUPIED CHANNEL BANDWIDTH

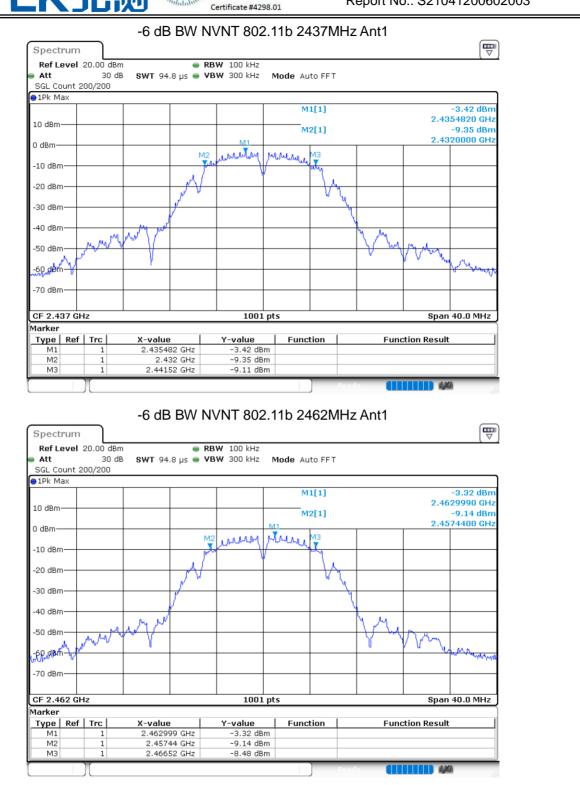
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8.2 UUU	, UPIED CHANNEL	BANDWIDIH				
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth	Limit -6 dB Bandwidth (MHz)	Verdict
				(MHz)	Bandwidth (IVII 12)	
NVNT	802.11b	2412	Ant 1	8.64	0.5	Pass
NVNT	802.11b	2437	Ant 1	9.52	0.5	Pass
NVNT	802.11b	2462	Ant 1	9.08	0.5	Pass
NVNT	802.11g	2412	Ant 1	16.56	0.5	Pass
NVNT	802.11g	2437	Ant 1	16.32	0.5	Pass
NVNT	802.11g	2462	Ant 1	16.56	0.5	Pass
NVNT	802.11n(HT20)	2412	Ant 1	17.6	0.5	Pass
NVNT	802.11n(HT20)	2437	Ant 1	16.36	0.5	Pass
NVNT	802.11n(HT20)	2462	Ant 1	17.6	0.5	Pass





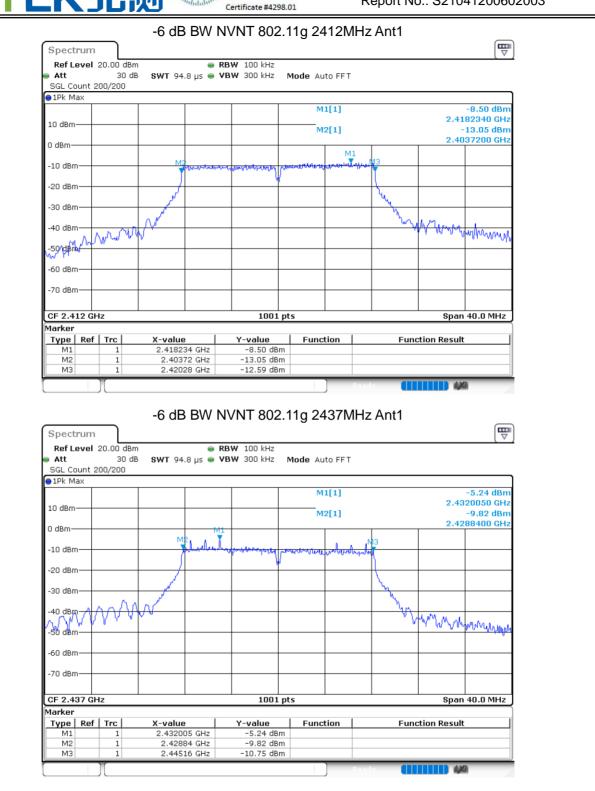




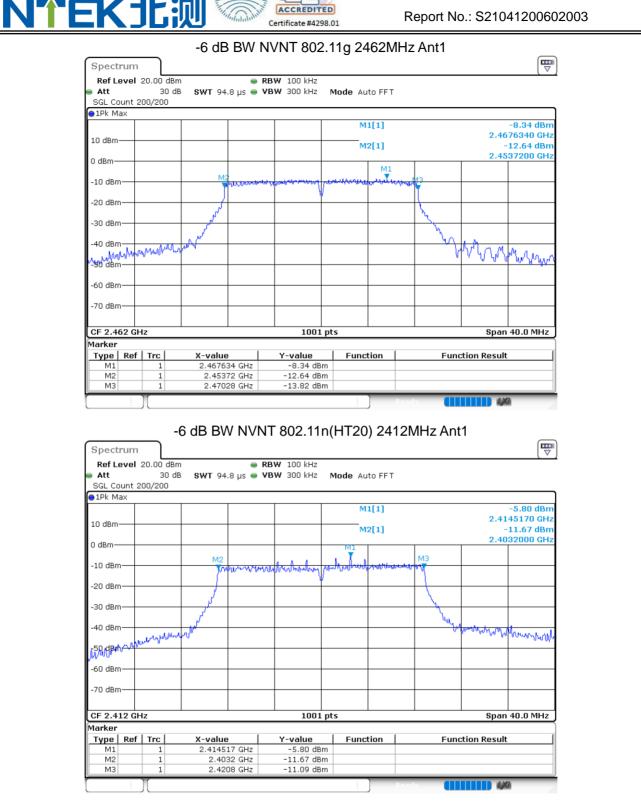
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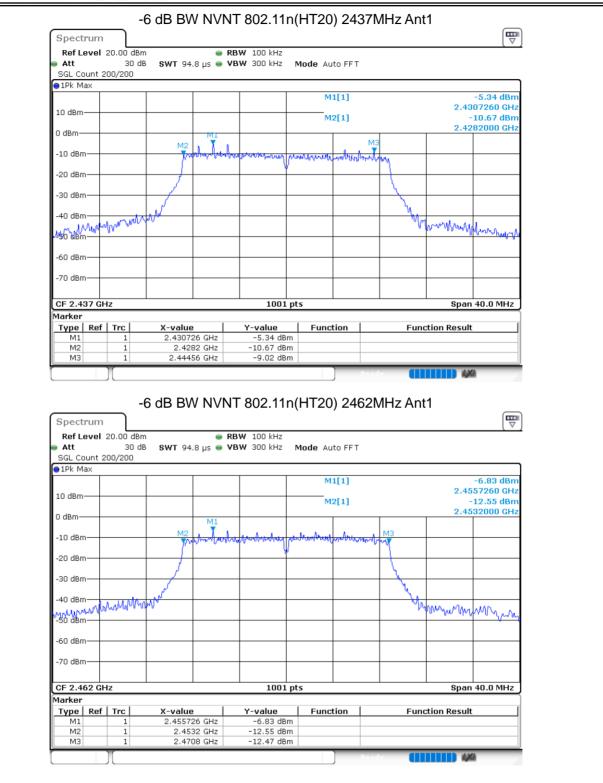
N











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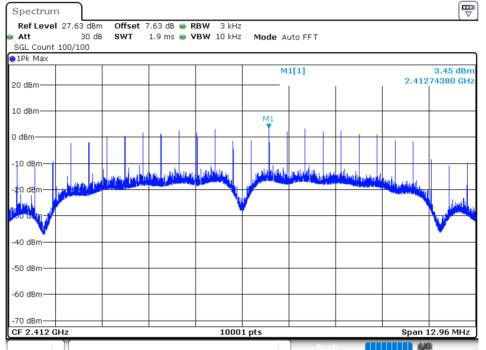


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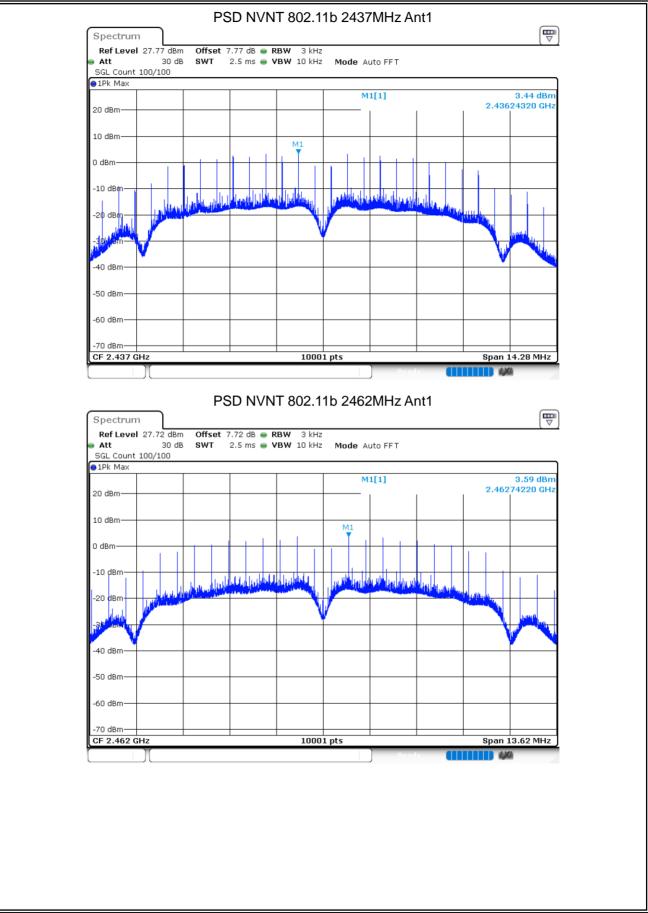
8.3 MAXIMUM POWER SPECTRAL DENSITY LEVEL

O.J IVIA/		CURAL DENS				
Condition	Mode	Frequency	Antenna	Max PSD	Limit	Verdict
		(MHz)		(dBm/3kHz)	(dBm/3kHz)	
NVNT	802.11b	2412	Ant 1	3.447	8	Pass
NVNT	802.11b	2437	Ant 1	3.441	8	Pass
NVNT	802.11b	2462	Ant 1	3.586	8	Pass
NVNT	802.11g	2412	Ant 1	-12.584	8	Pass
NVNT	802.11g	2437	Ant 1	-13.895	8	Pass
NVNT	802.11g	2462	Ant 1	-12.65	8	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-13.654	8	Pass
NVNT	802.11n(HT20)	2437	Ant 1	-13.235	8	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-13.194	8	Pass

PSD NVNT 802.11b 2412MHz Ant1



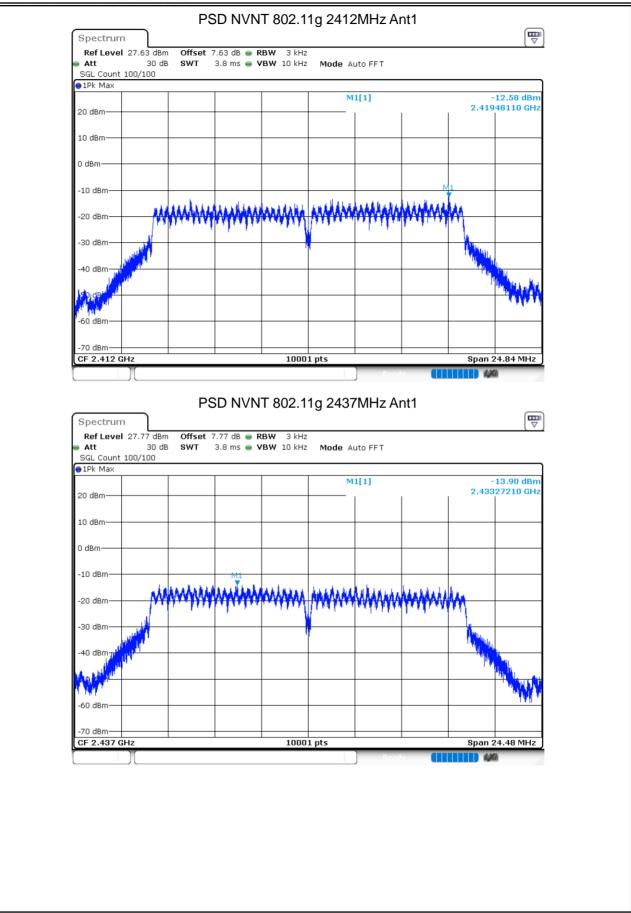




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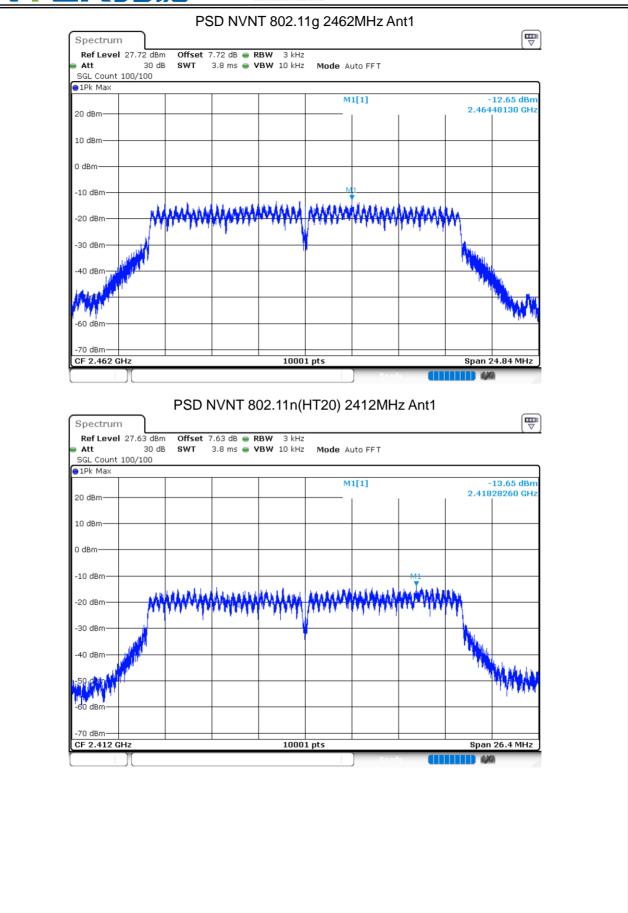
Certificate #4298.01

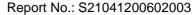


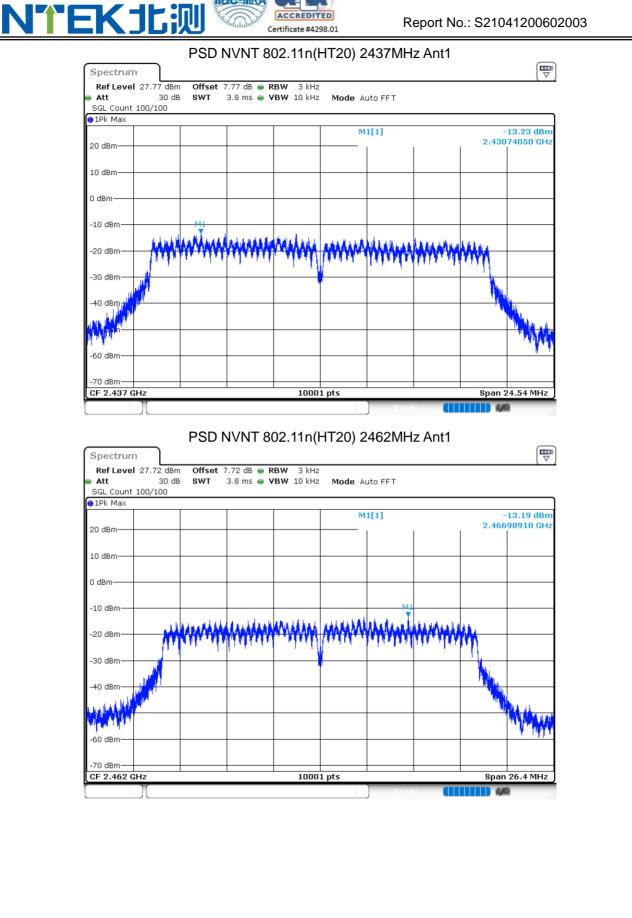


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AC-MR

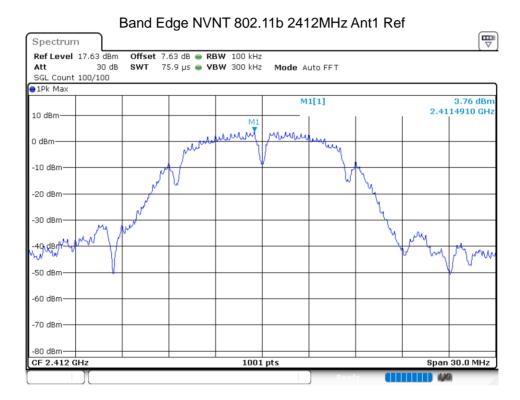
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8.4 BAND EDGE

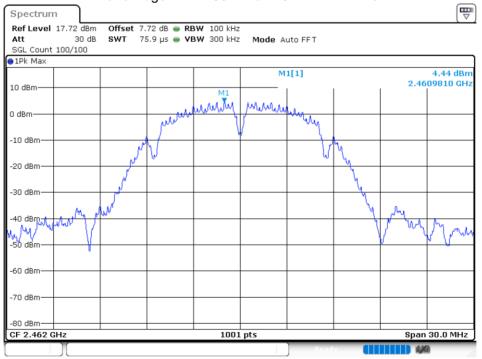
0.4 04						
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11b	2412	Ant 1	-55.12	-20	Pass
NVNT	802.11b	2462	Ant 1	-57.94	-20	Pass
NVNT	802.11g	2412	Ant 1	-49.75	-20	Pass
NVNT	802.11g	2462	Ant 1	-39.16	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-50.28	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-41.36	-20	Pass
	Condition NVNT NVNT NVNT NVNT NVNT	Condition Mode NVNT 802.11b NVNT 802.11b NVNT 802.11g NVNT 802.11g NVNT 802.11g NVNT 802.11g NVNT 802.11g	Condition Mode Frequency (MHz) NVNT 802.11b 2412 NVNT 802.11b 2462 NVNT 802.11g 2412 NVNT 802.11g 2462 NVNT 802.11g 2462 NVNT 802.11g 2462 NVNT 802.11g 2462	Condition Mode Frequency (MHz) Antenna NVNT 802.11b 2412 Ant 1 NVNT 802.11b 2462 Ant 1 NVNT 802.11g 2462 Ant 1 NVNT 802.11g 2412 Ant 1 NVNT 802.11g 2462 Ant 1 NVNT 802.11g 2462 Ant 1 NVNT 802.11g 2462 Ant 1 NVNT 802.11g 2412 Ant 1	ConditionModeFrequency (MHz)AntennaMax Value (dBc)NVNT802.11b2412Ant 1-55.12NVNT802.11b2462Ant 1-57.94NVNT802.11g2412Ant 1-49.75NVNT802.11g2462Ant 1-39.16NVNT802.11n(HT20)2412Ant 1-50.28	ConditionModeFrequency (MHz)AntennaMax Value (dBc)Limit (dBc)NVNT802.11b2412Ant 1-55.12-20NVNT802.11b2462Ant 1-57.94-20NVNT802.11g2412Ant 1-49.75-20NVNT802.11g2462Ant 1-39.16-20NVNT802.11n(HT20)2412Ant 1-50.28-20





	Bar	nd Edge	NVN	T 802.11b) 2412N	/Hz /	Ant1 E	missior	ı
Spectrum									
Ref Level 1	7.63 dBm	Offset 7	.63 dB 🧉	• RBW 100 kH:	z				
Att	30 dB	SWT 22	7.5 µs 🧉	• VBW 300 kH:	z Mode	Auto FF	т		
SGL Count 10	00/100								
∋1Pk Max									
					M	1[1]			4.27 dBm
10 dBm									A2.4134600 GHz
0 dBm					M	2[1]		ىللىن	-38.26 dBm
o ubiii						1	1	P -	2.400000 GHZ
-10 dBm						-		- 1	<u>'</u>
D	1 -16.243	dBm						/ /	
-20 dBm									
-30 dBm									
-So abiii							M2	NN I	1.6
-40 dBm							- N	₩	Vala
M4	4						l M	•	· \/**
-50 dBm	han Man Ali a	and the second		workgrowtheath		M3 .	J		
-60 dBm	URAN	moning	moun	runing	phonorman	har an	~ ^		
oo abiii									
-70 dBm						<u> </u>			
-80 dBm	011-			1001	nte				Stop 2.427 GHz
Aarker	GHZ			1001	prs				300µ 2.427 GH2
	Trc	X-value	1	Y-value	Fund		1	Function	D
Type Ref M1	1	2.4134		4.27 dB		aion		Function	Kesuit
M2	1		.4 GHz	-38.26 dB					
M3	1		39 GHz	-57.05 dB					
M4	1	2.338	33 GHz	-51.37 dB	m				
	1						Ready		420







	nd Edge		002.110	270210			11331		Ē
pectrum									
efLevel 17.72 dBm .tt 30 dB			(BW 100 kHz /BW 300 kHz						
GL Count 100/100	3001 227	.5 µ5 👅 ¥	(DYY 300 KH2	Mode A	Auto FFT				
LPk Max									
				M	1[1]				4.09 dBm
) dBm				M	2[1]				30300 GHz 54.59 dBm
dBm					2[1]				35000 GHz
	η. Ι								
0 dBm + D1 -15.55(5 dBm								
0 dBm									
0 dBm									
Q.dBm	1 VYM						-+		
0 dBm	Y 17	NM4		мз					
	רן ן	Winter	mounduranter	Martunikan	www.www.	hundredenter	danter	1 the sty work	murghandra
0 dBm								÷	
0 dBm									
0 dBm art 2.447 GHz	1 1		1001	nts				Stop 2	2.547 GHz
arker			1001	P13				0100	
ype Ref Trc	X-value		Y-value	Funct	tion		Funct	ion Result	
M1 1	2.46303	3 CHz	4.09 dBn	~					
M2 1	2.4835	5 GHz	-54.59 dBn	n					
	2.4835			n n					
M2 1 M3 1	2.4835	5 GHz 5 GHz	-54.59 dBn -56.57 dBn	n n	R	eady			N
M2 1 M3 1	2.4835	5 GHz 5 GHz	-54.59 dBn -56.57 dBn	n n) R	eady			1
M2 1 M3 1 M4 1	2.4835 2.5 2.484	5 GHz 5 GHz 4 GHz	-54.59 dBn -56.57 dBn -53.50 dBn	n n n) •	z Ant1	R ef		1
M2 1 M3 1 M4 1	2.4835	5 GHz 5 GHz 4 GHz	-54.59 dBn -56.57 dBn -53.50 dBn	n n n) R	adv z Ant1	Ref) 4/	
M2 1 M3 1 M4 1 pectrum	2.4835 2.484 2.484 Band Ed	ge NVI	-54.59 dBr -56.57 dBr -53.50 dBr	n n n) 2MH:	rody z Ant1	Ref		
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE	-54.59 dBr -56.57 dBr -53.50 dBr NT 802.1	n n 11g 241		z Ant1	Ref		
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE	-54.59 dBr -56.57 dBr -53.50 dBr	n n n		z Ant1	Ref		(Ţ
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE	-54.59 dBr -56.57 dBr -53.50 dBr NT 802.1	n n 11g 241		z Ant1	Ref		
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE	-54.59 dBr -56.57 dBr -53.50 dBr NT 802.1	n n I1g 241 Mode At		adv z Ant1	Ref		-0.68 dBm
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE	-54.59 dBr -56.57 dBr -53.50 dBr NT 802.1	n n I1g 241 Mode At	uto FFT	z Ant1	Ref	2.41	
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHZ 5 GHZ 4 GHZ ge NVI 3 dB • RE	-54.59 dBr -56.57 dBr -53.50 dBr NT 802.1	n n I1g 241 Mode At	uto FFT	z Ant1	Ref	2.41	-0.68 dBm
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz	Mode At	uto FFT	M1		2.41	-0.68 dBm
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBr -56.57 dBr -53.50 dBr NT 802.1	Mode At	uto FFT	M1		2.41	-0.68 dBm
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz	Mode At	uto FFT	M1		2.41	-0.68 dBm
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz	Mode At	uto FFT	M1		2.41	-0.68 dBm
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz	Mode At	uto FFT	M1		2.41	-0.68 dBm
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz	Mode At	uto FFT	M1		2.41	-0.68 dBm
M2 1 M3 1 M4 1 pectrum	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz	Mode At	uto FFT	M1		2.41	-0.68 dBm
M2 1 M3 1 M4 1 ef Level 17.63 dBm ef Level 17.63 dBm gL Count 100/100 JPk Max 0 dBm 0 0 dBm 0 0 dBm 0 0 dBm 0	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz	Mode At	uto FFT	M1		2.41	-0.68 dBm 82340 GHz
M2 1 M3 1 M4 1 ef Level 17.63 dBm ef Level 17.63 dBm tt 30 dB dBm 0 0 dBm 0 0 dBm 0	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz	Mode At	uto FFT	M1		2.41	-0.68 dBm 82340 GHz
M2 1 M3 1 M4 1 ef Level 17.63 dBm ef Level 17.63 dBm tt 30 dB dBm 0 dBm 0 0 dBm 0 0 dBm 0 0 dBm 0 0 dBm 0	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz	Mode At	uto FFT	M1		2.41	-0.68 dBm 82340 GHz
M2 1 M3 1 M4 1 Dectrum 1 of Level 17.63 dBm of Local 30 dB JBm 1 JBm 1 JBm 1 JBm 1 JBm 1 JBm 1 JBm 100 dBm	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz	Mode At	uto FFT	M1		2.41	-0.68 dBm 82340 GHz
M2 1 M3 1 M4 1 pectrum 1 af Level 17.63 dBm tt 30 dB JBm 1 JBm 1 JBm 1 JBm 1	2.483 2.5 2.484 Band Ed	5 GHz 5 GHz 4 GHz 9 QB NVI 3 dB е RE 9 µs е VI	-54.59 dBn -56.57 dBn -53.50 dBn NT 802.1 3W 100 kHz BW 300 kHz	Mode At	uto FFT	M1		2.41	-0.68 dBm 82340 GHz

1001 pts

-70 dBm--80 dBm-

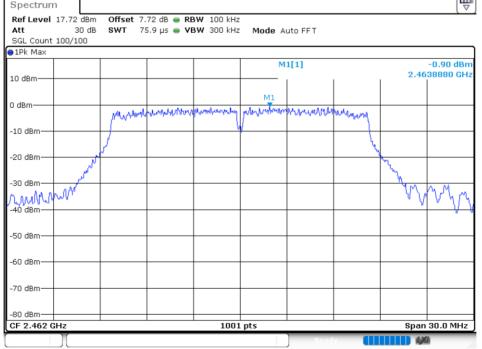
CF 2.412 GHz

Span 30.0 MHz

110



Att SGL Count	30 dB 100/100) SWT 227.5 µs (VBW 300 kHz	Mode Auto FF	т		
∋1Pk Max				M1[1]		2	.26 dBm
10 dBm						2.4194	600 GHz
0 dBm				M2[1]	1 Put	29-29 244000	31 dBm 000 GHz
-10 dBm—						V	
-20 dBm—	D1 -20.68	3 dBm					<u> </u>
-30 dBm—					M2 /		h hataphan
-40 dBm—					ATT		
-50 dBm	alize a co			N3.1	MANN.		
//////////////////////////////////////	mar wyd	a with Award Philippin	hand the second states and the second	under honories (
-70 dBm—							
-80 dBm—							
Start 2.32	7 GHz		1001 pt	5		Stop 2.4	27 GHz
Marker Type Re	ef Trc	X-value	Y-value	Function	Fun	ction Result	1
M1	1	2.41946 GHz	2.26 dBm				
M2	1	2.4 GHz	-29.31 dBm				
MЗ	1	2.39 GHz	-52.56 dBm				
M4	1	2.3899 GHz	-50.44 dBm				
	1				Ready		





Att 30 1 SGL Count 100/100 91Pk Max						
10 dBm			M1[1]		2.46	-0.74 dBm 45300 GHz
м	1		M2[1]		-	42.24 dBm 35000 GHz
0 dBm	Whathy				2.40	33000 GH2
-20 dBm-D1 -20.8						
-30 dBm						
-40 dBm	MMM	ANG				
-50 dBm		White the second second	M3			
-60 dBm		andrealland	M3 M3 mintellipeter	incommunity of the	mornautil	muuhnerth
-70 dBm						
-80 dBm						
Start 2.447 GHz Marker		1001	pts		Stop 2	2.547 GHz
TypeRefTrcM11	X-value 2.46453 GH	Y-value	Function	Fund	tion Result	
M2 1 M3 1	2.4835 GH 2.5 GH	iz -42.24 dB	m			
M4 1 Ba Spectrum Ref Level 17.63 dB	2.4839 GH and Edge NV m Offset 7.63 dE	-40.07 dB /NT 802.11n	m (HT20) 2412		Ref	
M4 1 Ba	2.4839 GH and Edge NV m Offset 7.63 dE	-40.07 dB /NT 802.11n	(HT20) 2412 Mode Auto FFT		Ref	
M4 1 Spectrum Ref Level 17.63 db Att 30 d SGL Count 100/100	2.4839 GH and Edge NV m Offset 7.63 dE	-40.07 dB /NT 802.11n	m (HT20) 2412			
M4 1 Spectrum Ref Level 17.63 de Att 30 de SGL Count 100/100 ● 1Pk Max 10 dBm	2.4839 GH and Edge NV .m Offset 7.63 dE dB swr 75.9 µs	/NT 802.11n	(HT20) 2412 Mode Auto FFT			1.85 dBm
M4 1 Spectrum Ref Level 17.63 dE Att 30 d SGL Count 100/100 ●1Pk Max	2.4839 GH and Edge NV .m Offset 7.63 dE dB swr 75.9 µs	/NT 802.11n	(HT20) 2412 Mode Auto FFT M1[1]			1.85 dBm
M4 1 Spectrum Ref Level 17.63 de Att 30 de SGL Count 100/100 ● 1Pk Max 10 dBm	2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs	/NT 802.11n	(HT20) 2412 Mode Auto FFT			1.85 dBm
M4 1 Ref Level 17.63 dE Att 30 m SGL Count 100/100 1Pk Max 10 dBm 0 dBm 0 dBm	2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs	/NT 802.11n	(HT20) 2412 Mode Auto FFT			1.85 dBm
M4 1 Spectrum Ref Level 17.63 df Att 30 m SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm	2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs	/NT 802.11n	(HT20) 2412 Mode Auto FFT		2.41	1.85 dBm 70050 GHz
M4 1 Ref Level 17.63 dE Att 30 dE SGL Count 100/100 ● IPK Max 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm	2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs	/NT 802.11n	(HT20) 2412 Mode Auto FFT		2.41	1.85 dBm
M4 1 Ref Level 17.63 dB Att 30 dB SGL Count 100/100 ● IPk Max 10 dBm 10 dBm -0 dBm -20 dBm -30 dBm -30 dBm -40 dBm	2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs	/NT 802.11n	(HT20) 2412 Mode Auto FFT		2.41	1.85 dBm 70050 GHz
M4 1 Spectrum Ref Level 17.63 df Att 300 SGL Count 100/100 9 1Pk Max 10 dBm -10 dBm -20 dBm	2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs	/NT 802.11n	(HT20) 2412 Mode Auto FFT		2.41	1.85 dBm 70050 GHz
M4 1 Ref Level 17.63 dE Att 30 dE SGL Count 100/100 IPK Max 10 dBm 10 dBm -0 dBm -20 dBm -30 dBm W40.dBm 40.dBm	2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs	/NT 802.11n	(HT20) 2412 Mode Auto FFT		2.41	1.85 dBm 70050 GHz
M4 1 Ref Level 17.63 dE SGL Count 100/100 © IPK Max 0 10 dBm 0 -10 dBm -0 -20 dBm -30 dBm -30 dBm -50 dBm	2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs	/NT 802.11n	(HT20) 2412 Mode Auto FFT		2.41	1.85 dBm 70050 GHz
M4 1 Ref Level 17.63 dE Att 30 r SGL Count 100/100 • 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	2.4839 GH and Edge NV m Offset 7.63 dE dB swr 75.9 μs	/NT 802.11n	m (HT20) 2412 Mode Auto FFT 		2.41	1.85 dBm 70050 GHz



Ref Level 1	7.63 dBm	Offset 7.6	3 dB 👄 I	RBW 100 kH	7				
Att	30 dB			VBW 300 kH		Auto FFT			
SGL Count 1	00/100								
⊖1Pk Max						1[1]			1.51 dBm
10 dBm						1[1]			169600 GHz
0.40					M	2[1]		1	⁴¹ 33.84 dBm
0 dBm							him h	permit Rola	RODOO GHZ
-10 dBm								U	
-20 dBm-D	1 -18.151	dBm							
							Mar		
-30 dBm							L.W.		MANNA
-40 dBm						March			
-50 dBm						M4 AV			
relegencederdontoper	trangeram	merkingungen	howwww	www.low-when	a gran the way	W ^{ren}			
-60 dBm			-						
-70 dBm									
00 40									
-80 dBm Start 2.327	GHz			1001	pts			Stop	2.427 GHz
Marker								F	
Type Ref		X-value		Y-value	Func	tion	Fun	ction Resul	t
M1 M2	1	2.41696	GHz GHz	1.51 dB -33.84 dB					
M3	1	2.39		-51.90 dB	m				
Spectrum		2.3898 d Edge N	IVNT		(HT20)) Ref 2462N	1Hz Ant1	Ref	
	Ban	d Edge N			(HT20)		1Hz Ant1	Ref	4
Spectrum Ref Level 1 Att SGL Count 10	Ban 7.72 dBm 30 dB	d Edge N		802.11n	(HT20)		1Hz Ant1	Ref	4
Spectrum Ref Level 1 Att	Ban 7.72 dBm 30 dB	d Edge N		802.11n	(HT20) Mode A	uto FFT	1Hz Ant1	Ref	
Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max	Ban 7.72 dBm 30 dB	d Edge N		802.11n	(HT20) Mode A		1Hz Ant1		0.47 dBm
Spectrum Ref Level 1 Att SGL Count 10	Ban 7.72 dBm 30 dB	d Edge N		802.11n RBW 100 kHz /BW 300 kHz	(HT20) Mode A	uto FFT	1Hz Ant1		
Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max 10 dBm	Ban 7.72 dBm 30 dB	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT			0.47 dBm
Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max	Ban 7.72 dBm 30 dB	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT			0.47 dBm
Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max 10 dBm	Ban 7.72 dBm 30 dB	d Edge N	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT	IHz Ant1		0.47 dBm
Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max 10 dBm 0 dBm	Ban 7.72 dBm 30 dB	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT			0.47 dBm
Spectrum Ref Level 1 Att SGL Count 11 @1Pk Max 10 dBm 0 dBm	Ban 7.72 dBm 30 dB	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT			0.47 dBm
Spectrum Ref Level 1 Att SGL Count 11 9 IPk Max 10 dBm 0 dBm -10 dBm	Ban 7.72 dBm 30 dB	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT			0.47 dBm
Spectrum Ref Level 1 Att SGL Count 11 9 IPk Max 10 dBm -10 dBm -20 dBm	Ban 7.72 dBm 30 dB 00/100	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT		2.4	0.47 dBm 507110 GHz
Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm May May May	Ban 7.72 dBm 30 dB 00/100	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT		2.4	0.47 dBm 507110 GHz
Spectrum Ref Level 1 Att SGL Count 11 PIPK Max 10 dBm -10 dBm -20 dBm	Ban 7.72 dBm 30 dB 00/100	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT		2.4	0.47 dBm
Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	Ban 7.72 dBm 30 dB 00/100	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT		2.4	0.47 dBm 507110 GHz
Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm May May May	Ban 7.72 dBm 30 dB 00/100	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT		2.4	0.47 dBm 507110 GHz
Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Ban 7.72 dBm 30 dB 00/100	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT		2.4	0.47 dBm 507110 GHz
Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm	Ban 7.72 dBm 30 dB 00/100	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT		2.4	0.47 dBm 507110 GHz
Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm	Ban 7.72 dBm 30 dB 00/100	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT		2.4	0.47 dBm 507110 GHz
Spectrum Ref Level 1 Att SGL Count 11 © 1Pk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	Ban 7.72 dBm 30 dB 00/100	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT		2.4	0.47 dBm 507110 GHz
Spectrum Ref Level 1 Att SGL Count 11 • IPk Max 10 dBm -10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	Ban 7.72 dBm 30 dB 00/100	d Edge N offset 7.72 swt 75.9	JVNT 2 dB ● R 9 μs ● V	802.11n BW 100 kHz BW 300 kHz	(HT20) Mode Al	uto FFT		2.4	0.47 dBm 507110 GHz



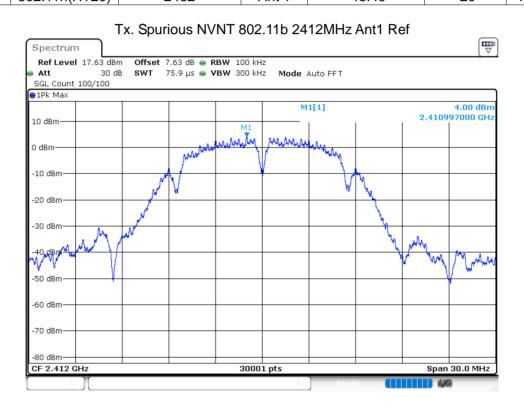
E	Band E	Edge NVNT 8	302.11n(HT2	20) 2462N	1Hz Ant1 E	mission
Spectrum						(T
Ref Level 17 Att SGL Count 10	30 dB		 RBW 100 kHz VBW 300 kHz 	Mode Auto F	FT	
●1Pk Max						
10 dBm				M1[1]		1.05 dBm 2.4632300 GHz
0 dBm	M1			M2[1]		-42.74 dBm 2.4835000 GHz
-10 dBm	operplaying	Marketin				
-20 dğm-01	1 -19.532	dBm				
-30 dBm						
-40 dBm		W Wayne	12 ^{M4}			
-50 dBm			how when the	мз		
-60 dBm			all and a second se	mphillerrallerlanderlighte	nnannennennannan	Hallymound flores where the
-70 dBm						
-80 dBm						
Start 2.447 (GHz		1001 p	ts		Stop 2.547 GHz
Marker						
Type Ref		X-value	Y-value	Function	Fun	ction Result
M1	1	2.46323 GHz	1.05 dBm			
M2	1	2.4835 GHz	-42.74 dBm			
M3 M4	1	2.5 GHz 2.4861 GHz	-53.27 dBm -40.89 dBm			
	<u> </u>	2.1001 012	.0.09 dbii		Ready	4/4



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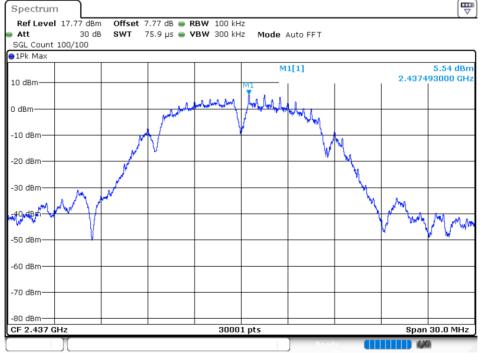
8.5 CONDUCTED RF SPURIOUS EMISSION

0.0						
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11b	2412	Ant 1	-50.17	-20	Pass
NVNT	802.11b	2437	Ant 1	-50.64	-20	Pass
NVNT	802.11b	2462	Ant 1	-50.39	-20	Pass
NVNT	802.11g	2412	Ant 1	-44.42	-20	Pass
NVNT	802.11g	2437	Ant 1	-47.31	-20	Pass
NVNT	802.11g	2462	Ant 1	-46.83	-20	Pass
NVNT	802.11n(HT20)	2412	Ant 1	-44.52	-20	Pass
NVNT	802.11n(HT20)	2437	Ant 1	-45.06	-20	Pass
NVNT	802.11n(HT20)	2462	Ant 1	-46.49	-20	Pass



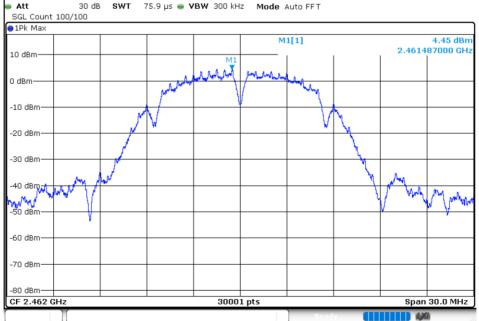


Pk Ma	ах									
						M1	1[1]			4.04 dBm
dBm-	M									2.414140 GHz
dBm—						M2	2[1]			-46.18 dBm
						1		1	1	18.184022 GHz
dBm										
dBm		005 dBr	n		_					
) dBm	-									
dBm	_							- M2		
		MB								
i dBm		19 P	M4		MS		فريق وفرقته وال			and the second of
and the second	n da. Una restantiva		M4		M5					atiles filesticessieses Antonio filestices
i asm	and a substantian		M4		M5					lastikus filmatisa aslavata Maria kangaraasi
			M4	elektikan kerdena kerde Persona kerdena kerdena kerdena kerdena kerdena kerdena kerdena kerdena kerdena kerdena Persona kerdena	M5					
			M4		M5					
) dBm) dBm art 31			M4			nts				iton 25.0 GHz
) dBm			M4		M5	pts			S	top 25.0 GHz
) dBm art 3			X-value		3000 J Y-value	Funct	tion		unction Re:	
) dBm art 3 rker /pe M1	D.0 MHz Ref Trc 1		X-value 2.414	e 14 GHz	30001 Y-value 4.04 dBr	Funct	tion			
dBm art 3 rker ype M1 M2	D.0 MHz Ref Trc 1		X-value 2.414 18.18403	2 GHZ	30001 30001 Y-value 4.04 dBr -46.18 dBr	Funct	tion			
dBm art 3 ker pe M1	D.0 MHz Ref Trc 1		X-value 2.414	2 GHZ 61 GHZ	30001 Y-value 4.04 dBr	Funct n n n n	tion			
dBm art 3 rker ype M1 M2 M3	Ref Trc 1 1 1 1		X-value 2.414 18.1840 4.9457	22 GHz 61 GHz 73 GHz	30001 30001 Y-value 4.04 dBr -46.18 dBr -49.86 dBr	Funct n n n n n n	tion			





				M1[1]		3.45 dBm
0 dBm						2.435780 GHz
dBm				M2[1]		-45.10 dBm 17.679628 GHz
LO dBm						
	01 -14.4	164 dBm				
20 dBm						
80 dBm						
in days						
10 dBm		MS M4	M5		¥.	
0 dBm	أأنعر والسمارين		to a Table to be seen to be		n haras bila ar an pitrin. Mana da barang	ومستخدا والمبر أرادا فأستا الدافل وفا
0 dBm	Altered Strength	lang film				
70 dBm						
	411-		30001	pts		Stop 25.0 GHz
	anz					
arker) (undur		. Function	l г	tion Dooult
arker Type Ref	Trc	X-value 2.43578 GH:	Y-value	Function	Func	tion Result
arker		X-value 2.43578 GH: 17.679628 GH:	Y-value z 3.45 dBm		Func	tion Result
M1 M2 M3	Trc 1 1 1	2.43578 GH: 17.679628 GH: 4.806761 GH:	Y-value z 3.45 dBm z -45.10 dBm z -49.78 dBm		Func	tion Result
arker Type Ref M1 M2	Trc 1	2.43578 GH: 17.679628 GH:	Y-value z 3.45 dBm z -45.10 dBm z -49.78 dBm z -49.99 dBm		Func	tion Result





Ref Level 17.72 dBm Att 30 dB SGL Count 10/10 1Pk Max			RBW 100 kHz VBW 300 kHz		uto Sweep)		
10 dBm				M	l[1]			3.87 dBm
0 dBm				M	2[1]			.463250 GHz -45.95 dBm
-10 dBm							17	.693778 GHz
D1 -15.549	dBm							
-20 dBm								
-30 dBm								
-40 dBm	B M4	i i	м5		and the state of the	1712 Y 44, 5		
-50 dBm	Party Party Print Party Party	an in the second se	(Internetionality)	Contraction of the second			A Construction of the second	
-60 dBm								
-70 dBm								
Start 30.0 MHz			30001	L pts			Sto	op 25.0 GHz
1arker	~ 1	1				-		
Type Ref Trc M1 1	X-value 2.4632	25 GHz	Y-value 3.87 dBr		ion	Fun	ction Resu	
M2 1 M3 1	17.69377 4.96407		-45.95 dBr -50.18 dBr					
M3 1	4.90407		-30.18 UBI					
M4 1	7.35453		-49.72 dBr	m				
M5 1	7.35453 9.95056 x. Spuri	ous N	-49.98 dBr	.11g 24	12MHz	Ant1 R	ef	
M5 1 Spectrum Ref Level 17.63 dBm Att 30 dE	7.35453 9.95058 7. Spuri 0 Offset 7	33 GHz 31 GHz OUS N	-49.98 dBr	.11g 24 ⁻		Ant1 R	ef	
M5 1 Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100	7.35453 9.95058 7. Spuri 0 Offset 7	33 GHz 31 GHz OUS N	-49.98 dBr /NT 802. RBW 100 kHz	.11g 24	uto FFT	Ant1 R	ef	
M5 1 Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100 1Pk Max	7.35453 9.95058 7. Spuri 0 Offset 7	33 GHz 31 GHz OUS N	-49.98 dBr /NT 802. RBW 100 kHz	.11g 24		Ant1 R		-0.91 dBm 5121900 GHz
M5 1 Spectrum Ref Level 17.63 dBm Att 30 dE SGL Count 100/100 1Pk Max	7.35453 9.95058 7. Spuri 0 Offset 7	33 GHz 31 GHz OUS N	-49.98 dBr /NT 802. RBW 100 kHz	.11g 24	uto FFT	Ant1 R		-0.91 dBm
M5 1 Spectrum Att 30 de SGL Count 100/100 1Pk Max 10 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz 0US N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa	m .11g 24: 2 Mode A 	uto FFT			-0.91 dBm
M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm 0 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz 0US N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHz VBW 300 kHz	.11g 24	uto FFT			-0.91 dBm
M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm 0 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz 0US N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa	m .11g 24: 2 Mode A 	uto FFT			-0.91 dBm
M5 1 Spectrum Ref Level 17.63 dBm Att 30 de SGL Count 100/100 1Pk Max 10 dBm -10 dBm -10 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz 0US N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa	m .11g 24: 2 Mode A 	uto FFT			-0.91 dBm
M5 1 T Spectrum Ref Level 17.63 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz 0US N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa	m .11g 24: 2 Mode A 	uto FFT		2.415	-0.91 dBm 5121900 GHz
M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz 0US N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa	m .11g 24: 2 Mode A 	uto FFT		2.415	-0.91 dBm
M5 1 Spectrum Ref Level 17.63 dBm 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz 0US N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa	m .11g 24: 2 Mode A 	uto FFT		2.415	-0.91 dBm 5121900 GHz
M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz OUS N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa	m .11g 24: 2 Mode A 	uto FFT		2.415	-0.91 dBm 5121900 GHz
M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz OUS N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa	m .11g 24: 2 Mode A 	uto FFT		2.415	-0.91 dBm 5121900 GHz
M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz OUS N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa	m .11g 24: 2 Mode A 	uto FFT		2.415	-0.91 dBm 5121900 GHz
M5 1 Spectrum Ref Level 17.63 dBm Att 30 dB 10 dBm 10 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz OUS N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHa yBW 300 kHa	m .11g 24: 2 Mode A 	uto FFT		2.415	-0.91 dBm 5121900 GHz
M5 1 Spectrum Ref Level 17.63 dBm 0 Att 30 dE SGL Count 100/100 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm	7.35453 9.95056 7. Spuri 9. offset 7 9. swr 7	33 GHz 31 GHz OUS N .63 dB е 5.9 µs е	-49.98 dBi /NT 802. RBW 100 kHz yBW 300 kHz	m .11g 24: 2 Mode A 	uto FFT		2.415	-0.91 dBm 5121900 GHz



Ref Level Att SGL Count 1Pk Max	17.63 dBm 30 dB 10/10			BW 100 kHz /BW 300 kHz		∖uto Sweep			
10 dBm-					M	1[1]		_	-1.27 dBm
м	L				M	2[1]		2.	419130 GHz -45.34 dBm
0 dBm								16.	387015 GHz
-10 dBm									
-20 dBm	D1 -20.908	dBm 							
-30 dBm									
-40 dBm	M	3 M4	M5			M2			
-50 dBm	Hara Barlanda Mara				المائية الإيرانية بيناية ويسمع مراسية بريونا والمائية معروسة م			الاردانين المراجعة الم المراجعة المراجعة المراجعة الم	
-60 asm	CONSTRUCTION OF CONSTRUCTION	· · · ·							
-70 dBm									
Start 30.0 Marker	MHz			30001	pts			Sto	p 25.0 GHz
Type Ref		X-value		Y-value	Funct	tion	Fund	tion Resu	lt
M1 M2	1	2.4191	L3 GHz L5 GHz	-1.27 dBn -45.34 dBn	n				
M3	1	4.99403		-49.98 dBn					
		7 05222							
M4 M5 Spectrum			ous NV	-49.76 dBn -50.84 dBn /NT 802.	n 11g 24) Post 37MHz	Ant1 Re	ef	
M4 M5 Spectrum	1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0	9.60516 x. Spuri Offset 7	OUS NV	-50.84 dBn /NT 802.	n 11g 24:		Ant1 Re	ef	
M4 M5 Spectrum Ref Level	1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0	9.60516 x. Spuri Offset 7	OUS NV	-50.84 dBn /NT 802. BW 100 kHz	n 11g 24:	Auto FFT	Ant1 Re	əf	
M4 M5 Spectrum Ref Level Att SGL Count 1Pk Max	1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0	9.60516 x. Spuri Offset 7	OUS NV	-50.84 dBn /NT 802. BW 100 kHz	n 11g 24:		Ant1 Re		2.35 dBm 736200 GHz
M4 M5 Spectrum Ref Level Att SGL Count	1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0	9.60516 x. Spuri Offset 7	OUS NV	-50.84 dBn /NT 802. BW 100 kHz	n 11g 24:	Auto FFT	Ant1 Re		2.35 dBm
M4 M5 Spectrum Ref Level Att SGL Count 1Pk Max	1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz	11g 24: 	Auto FFT			2.35 dBm
M4 M5 Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm	1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. BW 100 kHz	11g 24: Mode 4	Auto FFT			2.35 dBm
M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -10 dBm	1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0 0 0	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz	11g 24: Mode 4	Auto FFT			2.35 dBm
M4 M5 Spectrum Ref Level Att SGL Count 1Pk Max 10 dBm 0 dBm	1 1 T 1 1 1 1 1 1 1 1 7 0 8 0 0 0 0 0 0 0 0 0 0 0	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz	11g 24: Mode 4	Auto FFT		2,430	2.35 dBm
M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz	11g 24: Mode 4	Auto FFT			2.35 dBm
M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm -30 dBm	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz	11g 24: Mode 4	Auto FFT		2.430	2.35 dBm 736200 GHz
M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz	11g 24: Mode 4	Auto FFT		2.430	2.35 dBm
M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm -30 dBm	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz	11g 24: Mode 4	Auto FFT		2.430	2.35 dBm 736200 GHz
M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz	11g 24: Mode 4	Auto FFT		2.430	2.35 dBm 736200 GHz
M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm 40 dBm	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz	11g 24: Mode 4	Auto FFT		2.430	2.35 dBm 736200 GHz
M4 M5 Spectrum Ref Level Att SGL Count 10 dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -30 dBm	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz	11g 24: Mode 4	Auto FFT		2.430	2.35 dBm 736200 GHz
M4 M5 Spectrum Ref Level Att SGL Count ID dBm -10 dBm -20 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.60516 x. Spuri offset 7 swt 7	OUS NV .77 dB • R 5.9 μs • V	-50.84 dBn /NT 802. /BW 100 kHz /BW 300 kHz	11g 24: Mode 4	Auto FFT		2.430	2.35 dBm 736200 GHz



Ref Level 17. Att SGL Count 10/1	30 dB			RBW 100 ki VBW 300 ki		e Auto Swe	ер		
1Pk Max									
10 dBm						M1[1]		2.4	0.73 dBm 44930 GHz
0 dBm						M2[1]		-	44.96 dBm
						1	1	2.6	16060 GHz
-10 dBm	-17.650 d	lB m							
-20 dBm	.17.030 0								
-30 dBm									
-40 dBm - 12		2 M4		MB					
-50 dBm	M3 Martin Martin		ang nului para				and Kanda Calabia.	الله مع در المارينية (ماريكاني). المريد المريد المريد المارينية (ماريكانية). المريد المريد المريد المريد المريد المريد المريد المريد المريد الم	Andreastanti
-60 dBm	and the second secon	and the second second	and providence						
-70 dBm				_		_	_		
Start 30.0 MHz	: '			3000)1 pts	1	1	Stop	25.0 GHz
/larker Type Ref Ti	rc I	X-value	1	Y-value	Fui	nction	Fund	tion Result	
M1	1	2.4449	93 GHz	0.73 d	Bm				
M2 M3	1	2.6160	D6 GHz	-44.96 d -50.54 d					
M4	1	7.34787	75 GHz	-49.12 d	Bm				
M5	1	9.78411	14 GHz	-50.28 d	Bm				
-						462MH	z Ant1 Re	ef	
Ref Level 17. Att	72 dBm 30 dB	Offset 7	.72 dB 🧉	IVNT 802 RBW 100 ki VBW 300 ki	Ηz	2462MH	z Ant1 Re	əf	
Ref Level 17. Att SGL Count 100/	72 dBm 30 dB	Offset 7	.72 dB 🧉	RBW 100 kł	Ηz		z Ant1 Re	ef	
Ref Level 17. Att SGL Count 100/ 1Pk Max	72 dBm 30 dB	Offset 7	.72 dB 🧉	RBW 100 kł	Hz Hz Mode		z Ant1 Re		1.22 dBm
Ref Level 17. Att SGL Count 100/ 1Pk Max	72 dBm 30 dB	Offset 7	.72 dB 🧉	RBW 100 kł	Hz Hz Mode	• Auto FFT M1[1]	z Ant1 Re		
Ref Level 17. Att SGL Count 100/) IPk Max 10 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Ref Level 17. Att SGL Count 100/) IPk Max 10 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 kł	Hz Hz Mode	Auto FFT M1[1]	z Ant1 Re		1.22 dBm
Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm 0 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Att SGL Count 100/ JIPk Max 10 dBm 0 dBm -10 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm 0 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm 0 dBm -10 dBm -20 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm 0 dBm -10 dBm -20 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Ref Level 17. Att SGL Count 100/ 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm -0 dBm -20 dBm -30 dBm -30 dBm -50 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Ref Level 17. Att SGL Count 100/ 1Pk Max 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm -0 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm -0 dBm -20 dBm -30 dBm -30 dBm -50 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki	Hz Hz Mode	Auto FFT M1[1]			1.22 dBm
Ref Level 17. Att SGL Count 100/ IPk Max 10 dBm -0 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm	72 dBm 30 dB	Offset 7 SWT 7	2.72 dB 25.9 μs	RBW 100 ki VBW 300 ki	Hz Hz Mode	Auto FFT M1[1]		2.4645	1.22 dBm



●1Pk Max		1 1			
10 dBm			M1[1]	-1.28 2.464080	
			M2[1]	-45.62	dBm
			1 1	16.266326	GHZ
-10 dBm	777 d0 m				
-20 dBm	777 dBm				
-30 dBm					_
-40 dBm	M4		M2		
-50 dBm	MB M4	M5	مذياه الدينة بالمقاطعة وسالي	والالال المانية ومناجرة المتلاطريسة	
-60 dBm	and a second	na ang mang pang pang pang pang pang pang pang p		and the second se	J. C. Store and B.
-70 dBm					
, o dbiii					
Start 30.0 MHz		30001 pts		Stop 25.0	GHz
Marker	× • •			Freedland 1	
Type Ref Trc	2.46408 GHz	-1.28 dBm	unction	Function Result	
M2 1	16.266326 GHz	-45.62 dBm			
M3 1 M4 1	4.975725 GHz 7.521832 GHz	-51.00 dBm -48.94 dBm			
M5 1 Spectrum Ref Level 17.63 Att 3 SGL Count 100/100	0 dB SWT 75.9 µs 🥃	RBW 100 kHz	20) 2412MHz de Auto FFT	z Ant1 Ref	
M5 1 Spectrum Ref Level 17.63 Att 3	3. Spurious NVN dBm Offset 7.63 dB 0 dB SWT 75.9 μs €	T 802.11n(HT2	-	z Ant1 Ref	
M5 1 Spectrum Ref Level 17.63 Att 3 SGL Count 100/100	3. Spurious NVN dBm Offset 7.63 dB 0 dB SWT 75.9 μs €	T 802.11n(HT2	de Auto FFT		dBm
M5 1 Spectrum Ref Level 17.63 Ref Level 17.63 3 SGL Count 100/10 10 PIPk Max 10	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800	dBm
M5 1 Spectrum Ref Level 17.63 Att 3 SGL Count 100/10 91Pk Max	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800	dBm
M5 1 Spectrum Ref Level 17.63 Ref Level 17.63 3 SGL Count 100/10 10 PIPk Max 10	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2	de Auto FFT	-1.17 2.417243800	dBm
M5 1 Spectrum Tx Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 0 dBm -10 dBm	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800	dBm
M5 1 Spectrum Tx Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 0 dBm 0	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800	dBm
M5 1 Spectrum T Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 dBm -10 -10 dBm -20 dBm	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800 M/MM4	dBm) GHz
M5 1 Spectrum Tx Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 dBm - -10 dBm - -20 dBm -	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800	dBm) GHz
M5 1 Spectrum Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 dBm 0 -10 dBm -20 dBm	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800 M/MM4	dBm) GHz
M5 1 Spectrum T Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 dBm -10 -10 dBm -20 dBm	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800 M/MM4	dBm) GHz
M5 1 Spectrum T Ref Level 17.63 Att 3 SGL Count 10 dBm 10 -10 dBm -0 -20 dBm -30 dBm -30 dBm -50 dBm	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800 M/MM4	dBm) GHz
M5 1 Spectrum Ref Level 17.63 Att 3 SGL Count 100/100 1Pk Max 10 dBm 0 -10 dBm - -20 dBm - -30 dBm -	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800 M/MM4	dBm) GHz
M5 1 Spectrum T Ref Level 17.63 Att 3 SGL Count 10 dBm 10 -10 dBm -0 -20 dBm -30 dBm -30 dBm -50 dBm	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800 M/MM4	dBm) GHz
M5 1 Spectrum 3 Ref Level 17.63 Att 3 SGL Count 100/10 INK 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm -70 dBm	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800 M/MM4	dBm) GHz
M5 1 Spectrum 3 Ref Level 17.63 3 SGL Count 100/10 1 ● 1Pk Max 1 10 dBm 0 -10 dBm -1 -20 dBm -30 dBm -50 dBm -60 dBm	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 VBW 300 kH2 Mo	de Auto FFT	-1.17 2.417243800 M/MM4	dBm) GHz ₩∿₩
M5 1 Spectrum 3 Ref Level 17.63 Att 3 SGL Count 100/10 INK Max 10 O dBm - -10 dBm - -20 dBm - -30 dBm - -50 dBm - -70 dBm - -80 dBm -	dBm Offset 7.63 dB 0 dB SWT 75.9 μs	T 802.11n(HT2 RBW 100 kH2 YBW 300 kH2 Mon Wmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm	de Auto FFT	-1.17 2.417243800	dBm GHz



SGL Count 10/10 91Pk Max						
10 dBm			M1[1]		2.4	-2.26 dBm 17470 GHz
0 dBm ML			M2[1]		-	45.69 dBm 18411 GHz
-10 dBm						
-20.dBm-01 -21.173						
-30 dBm						
-40 dBm			M2			
-50,dBm	3 M4	MS	A DESCRIPTION OF THE OWNER	والمرجر وروالي أربار	March Carlos	and a star way by
	a fantas disatang ^{ad} h <mark>disa</mark> ta sa basa sa	and the second se	The state of the second s	the physical and the	May and an article	and the state of the state
-70 dBm						
Start 30.0 MHz Marker		3000	1 pts		Stop	25.0 GHz
Type Ref Trc	X-value	Y-value	Function	Func	tion Result	
M1 1 M2 1	2.41747 GH 15.918411 GH					
M3 1 M4 1	4.820911 GH 7.324569 GH					
	7.524509 GF					
M5 1	9.844875 GH	Hz -50.14 dB	im			
M5 1 Tx. 5 Spectrum Ref Level 17.77 dBr Att 30 d	Spurious N	VNT 802.11r db • RBW 100 kH	HT20) 2437	MHz Ant ¹	I Ref	
M5 1 TX. 5 Spectrum Ref Level 17.77 dBr	Spurious N	VNT 802.11r db • RBW 100 kH	n(HT20) 2437	MHz Ant	I Ref	-1.45 dBm
M5 1 Tx. 5 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100	Spurious N	VNT 802.11r db • RBW 100 kH	n(HT20) 2437	MHz Ant1		
M5 1 Tx. 5 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 1Pk Max	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH	(HT20) 2437			-1.45 dBm
M5 1 Tx. 5 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 P1Pk Max 10 dBm 0 dBm	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH	n(HT20) 2437			-1.45 dBm
M5 1 Tx. Tx. Spectrum Tx. Ref Level 17.77 dBr Att 30 d SGL Count 100/100 1Pk Max 10 dBm 0 dBm -10 dBm	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH	(HT20) 2437			-1.45 dBm
M5 1 TX. 5 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 9 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH	(HT20) 2437			-1.45 dBm
M5 1 Tx. 3 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 P1Pk Max 10 dBm -10 dBm -20 dBm	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH	(HT20) 2437		2.4310	-1.45 dBm 91200 GHz
M5 1 TX. 5 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 9 1Pk Max 10 dBm 0 dBm -10 dBm -20 dBm	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH	(HT20) 2437		2.4310	-1.45 dBm
M5 1 Tx. 3 Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 P1Pk Max 10 dBm -10 dBm -20 dBm	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH	(HT20) 2437		2.4310	-1.45 dBm 91200 GHz
M5 1 Tx. Tx. Spectrum Tx. Ref Level 17.77 dBr Att 30 d SGL Count 100/100 IPk Max 10 dBm I0 dBm -0 dBm -10 dBm -0 dBm -20 dBm -0 dBm 40 dBm -0 dBm	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH	(HT20) 2437		2.4310	-1.45 dBm 91200 GHz
M5 1 Tx. Tx. Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 10 dBm O dBm O O Max 10 dBm -10 dBm -20 dBm Max Max Max -20 dBm Max Max	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH	(HT20) 2437		2.4310	-1.45 dBm 91200 GHz
M5 1 Tx. Spectrum Ref Level 17.77 dBr Att 30 d SGL Count 100/100 IN Max 10 dBm 0 dBm	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH	(HT20) 2437		2.4310	-1.45 dBm 91200 GHz
MS 1 Tx. Tx. Spectrum 30 d Ref Level 17.77 dBr Att 30 d SGL Count 100/100 IN In In 0 dBm In In -10 dBm In In -20 dBm In In -30 dBm In In -50 dBm In In -60 dBm In In In	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r dB • RBW 100 kH µs • VBW 300 kH	2 2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4		2.4310	-1.45 dBm 91200 GHz
M5 1 Ref Level 17.77 dBr Ref Level 17.77 dBr Att 30 d SGL Count 100/100 IPk Max 10 dBm 10 dBm	Spurious N n offset 7.77 c B swr 75.9 p	VNT 802.11r	2 2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4		2.4310	-1.45 dBm 91200 GHz



10 dBm 2.434950 GH 0 dBm M2[1] -46.52 dBm -20 dBm 01 -21.447 dBm -30 dBm -10 dBm -40 dBm -10 dBm -30 dBm -10 dBm -40 dBm -10 dBm -30 dBm -10 dBm -40 dBm -10 dBm -50 dBm -10 dBm -50 dBm -10 dBm -50 dBm -10 dBm -50 dBm -10 dBm -70 dBm -10 dBm -70 dBm -10 dBm -70 dBm -11 - 15.359083 GHz -11 - 15.359083 GHz -1.45 dBm M3 1 -2.3743 GHz -11 - 15.359083 GHz -46.52 dBm M3 1 -3.97437 GHz -50.50 dBm -1.45 dBm M4 1 7.384497 GHz -50.50 dBm -1.45 dBm M4 1 9.809917 GHz -50.50 dBm -1.45 dBm M4 1 9.8049 GHz -10 dBm -1.72 dB RBW 100 kHz Att 30 dB SW	SGL Count 10 91Pk Max	/10								
0 dbm M2[1] 1.3-45.52 dbm -10 dbm -10 dbm -10 dbm -10 dbm -20 dbm 01 - 21.447 dbm -10 dbm -10 dbm -30 dbm -10 dbm -10 dbm -10 dbm -10 dbm -30 dbm -10 dbm -10 dbm -10 dbm -10 dbm -30 dbm -10 dbm -10 dbm -10 dbm -10 dbm -30 dbm -10 dbm -10 dbm -10 dbm -10 dbm -30 dbm -10 dbm -10 dbm -10 dbm -10 dbm -30 dbm -11 dbm -10 dbm -10 dbm -10 dbm -70 dbm -10 dbm -10 dbm -10 dbm -10 dbm -70 dbm -10 dbm -1.45 dbm -1.45 dbm -1.45 dbm Mater -10 dbm -1.45 dbm -1.45 dbm -1.45 dbm M2 1 1.3359083 GHz -50.50 dbm -50.50 dbm -50.50 dbm M4 1 7.384497 GHz -50.50 dbm -50.50 dbm -50.50 dbm Spectrum -1.45 dbm -1.45 dbm -1.45 dbm -1.45 dbm -1.45 dbm -1.45 dbm <td< th=""><th>10 dBm</th><th></th><th></th><th></th><th></th><th>M</th><th>1[1]</th><th></th><th>2.4</th><th>-1.45 dBm 34950 GHz</th></td<>	10 dBm					M	1[1]		2.4	-1.45 dBm 34950 GHz
-10 dBm -20 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm -7	м					M	2[1]		-	46.52 dBm
-20.dBm 01 -21.447 dBm -30 dBm MB -40 dBm MB -50 dBm MB -50 dBm MB -70 dBm -1.45 dBm Markar -1.45 dBm M1 1 1 2.43495 GHz -4.65 22 dBm -1.45 dBm M2 1 1 2.43495 GHz -4.65 22 dBm -4.65 22 dBm M3 1 4.937437 GHz -50.91 dBm M4 1 1 9.809917 GHz -50.50 dBm -50.50 dBm M5 1 9.809917 GHz -50.50 dBm Current 100/100 -50.50 dBm M4 17.72 dBm Offset 7.72 dBm M4 17.59 µs VBW 300 kHz Att 30 dB M1 0 dBm -1.45 GHz -1.45									15.8	59083 GHZ
-30 dBm +0 dBm +0 dBm -30 dBm -30 dBm -70 d	0.0 10-1									
+00 dBm M3 M4 M3 M3 M3 M3 M4 M3		21.447	dBm							
S0 d8m MB										
-50 dBm -50 dBm -10 dBm -10 dBm -10 dBm -70 dBm -10 dBm -145 dBm -145 dBm -145 dBm Marker -145 dBm -145 dBm -145 dBm -145 dBm M2 1 15.350083 GHz -145 dBm -145 dBm -145 dBm M2 1 15.350083 GHz -46.52 dBm -145 dBm -145 dBm M3 1 4.937437 GHz -50.16 Hz -49.94 dBm -10 dBm -10 dBm M4 1 7.384497 GHz -50.50 dBm -50.50 dBm </td <td>-40 dBm</td> <td>M</td> <td>8 M4</td> <td>м</td> <td>9</td> <td></td> <td>M2</td> <td></td> <td></td> <td></td>	-40 dBm	M	8 M4	м	9		M2			
-70 dBm	-50 dBm			and the second property of the second se	i and a second second build	Last franksbille and be Marine part i part de			A second s	
Start 30.0 MHz Stop 25.0 GHz Marker Function Function Result M1 1 2.43495 GHz -1.45 dBm M2 1 15.359083 GHz -46.62 dBm - M3 1 4.937437 GHz -50.91 dBm - M4 1 7.384497 GHz -49.94 dBm - M5 1 9.809917 GHz -50.91 dBm - M6 1 9.809917 GHz -50.91 dBm - M5 1 9.809917 GHz -50.91 dBm - Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Ref - - - Spectrum - - - - - 0 dBm - - Mi10 <td>-60 dBm</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-60 dBm									
Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2.43495 GHz -1.45 dBm	-70 dBm				+					
Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2.43495 GHz -1.45 dBm Function Function Result M2 1 15.359083 GHz -46.52 dBm Function Function Result M3 1 4.937437 GHz -50.91 dBm Function Function Result M4 1 7.384497 GHz -50.50 dBm Function Function Result M5 1 9.809917 GHz -50.50 dBm Function Function M6 1 9.809917 GHz -50.50 dBm Function Function Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Ref Function Result Function Function Spectrum Swr 75.9 µs WBW 300 kHz Mode Auto FFT SGL Count 100/100 IPk Max 0 dBm M1[1] 0.94 dBm 2.466967800 GH Function -10 dBm	Start 30.0 Mi				30001	Ints			Stor	25.0 GHz
M1 1 2.43495 GHz 1.45 dBm M2 1 15.359083 GHz 46.52 dBm M3 1 4.937437 GHz -50.91 dBm M4 1 7.384497 GHz -50.91 dBm M5 1 9.809917 GHz -50.50 dBm M5 1 9.809917 GHz -50.50 dBm Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Ref Spectrum Ref Level 17.72 dBm Offset 7.72 dB RBW 100 kHz Att 30 dB SWT 75.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 91Pk Max 0 M1[1] 0.94 dBm 10 dBm	Marker								0.01	2010 0112
M2 1 15.359083 GHz -46.52 dBm M3 1 4.937437 GHz -50.91 dBm M4 1 7.384497 GHz -49.94 dBm M5 1 9.809917 GHz -50.50 dBm M5 1 9.809917 GHz -50.50 dBm Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Ref Spectrum ▼ Ref Level 17.72 dBm Offset 7.72 dB RBW 100 kHz Att 30 dB SWT 75.9 µs VBW 300 kHz Mode Auto FFT SGL Count 100/100 10 dBm 0.94 dBm M1 0.94 dBm 10 dBm M11 0.94 dBm -10 dBm M1 M4 -20 dBm M4 -30 dBm -50 dBm							tion	Func	tion Result	
M4 1 7.384497 GHz -49.94 dBm M5 1 9.809917 GHz -50.50 dBm Prevenue Tx. Spurious NVNT 802.11n(HT20) 2462MHz Ant1 Ref Spectrum Ref Level 17.72 dB RBW 100 kHz Att 30 dB SWT 75.9 µS VBW 300 kHz Mili 1 0.94 dBm 10 dBm 0.94 dBm 0.94 dBm -10 dBm 0.94 dBm M1 0.94 dBm -20 dBm 0.94 dBm 0.94 dBm 0.94 dBm -30 dBm 0.94 dBm 0.94 dBm 0.94 dBm -50 dBm 0.94 dBm 0.94 dBm 0.94 dBm	M2	1	15.35908	33 GHz	-46.52 dBr	m				
Image: Spectrum Mile	M4	1	7.38449	97 GHz	-49.94 dBr	m				
Spectrum T Ref Level 17.72 dBm Offset 7.72 dB RBW 100 kHz Att 30 dB SWT 75.9 μs VBW 300 kHz Mode Auto FFT SGL Count 100/100 IPk Max 0.94 dBm 2.466967800 GH 10 dBm M1[1] 2.466967800 GH 0 dBm M1 M1 -10 dBm M1 M1 -20 dBm M1 M1 -30 dBm M1 M1 -50 dBm M1 M1	M5	1	9.80991	.7 GHz	-50.50 dBr	m				
M1 M1 0 dBm M1 M1 -10 dBm M1 M1 -20 dBm M1 M1 -30 dBm M1 M1 -50 dBm M1 M1	Ref Level 1 Att	.7.72 dBm 30 dB	Offset 7	.72 dB 👄 I	RBW 100 kHz	2		1Hz Ant1	I Ref	
-10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -50 dBm	Ref Level 1 Att SGL Count 10 1Pk Max	.7.72 dBm 30 dB	Offset 7	.72 dB 👄 I	RBW 100 kHz	z z Mode	Auto FFT	1Hz Ant1		0.94 dBm
-10 dBm -20 dBm -30 dBm -40 dBm -50 dBm	Ref Level 1 Att SGL Count 10 1Pk Max	.7.72 dBm 30 dB	Offset 7	.72 dB 👄 I	RBW 100 kHz	z z Mode	Auto FFT 1[1]	1Hz Ant1		0.94 dBm
-30 dBm -30 dBm -40 dBm -50 dBm	Ref Level 1 Att SGL Count 10 PIPk Max 10 dBm	7.72 dBm 30 dB	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT			0.94 dBm
-30 dBm -30 dBm -40 dBm -50 dBm	Ref Level 1 Att SGL Count 10 PK Max 10 dBm 0 dBm	7.72 dBm 30 dB	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT			0.94 dBm
-40 dBm	Ref Level 1 Att SGL Count 10 1Pk Max 10 dBm 0 dBm	7.72 dBm 30 dB	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT			0.94 dBm
-50 dBm	Ref Level 1 Att SGL Count 10 1Pk Max 10 dBm 0 dBm	7.72 dBm 30 dB	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT			0.94 dBm
-50 dBm	Ref Level 1 Att SGL Count 10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm	7.72 dBm 30 dB 10/100	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT		2.4665	0.94 dBm 67800 GHz
	Ref Level 1 Att SGL Count 10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm	7.72 dBm 30 dB 10/100	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT		2.4665	0.94 dBm 67800 GHz
-60 dBm	Ref Level 1 Att SGL Count 10 IPk Max 10 dBm 0 dBm -10 dBm -20 dBm	7.72 dBm 30 dB 10/100	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT		2.4665	0.94 dBm 67800 GHz
	Ref Level 1 Att SGL Count 10 • 1Pk Max 10 dBm • 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	7.72 dBm 30 dB 10/100	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT		2.4665	0.94 dBm 67800 GHz
	Ref Level 1 Att SGL Count 10 ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	7.72 dBm 30 dB 10/100	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT		2.4665	0.94 dBm 67800 GHz
-70 dBm	Ref Level 1 Att SGL Count 10 ID dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm	7.72 dBm 30 dB 10/100	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT		2.4665	0.94 dBm 67800 GHz
-80 dBm	Ref Level 1 Att SGL Count 10 • IPk Max 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	7.72 dBm 30 dB 10/100	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT		2.4665	0.94 dBm 67800 GHz
CF 2.462 GHz 30001 pts Span 30.0 MHz	Ref Level 1 Att SGL Count 10 ID dBm 10 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -70 dBm	7.72 dBm 30 dB 10/100	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz VBW 300 kHz	z 2 Mode . M	Auto FFT		2.4665	0.94 dBm 67800 GHz
Ready (Ref Level 1 Att SGL Count 10 ID dBm 10 dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm -60 dBm -70 dBm -80 dBm	7.72 dBm 30 dB 10/100	Offset 7 SWT 7	.72 dB ⊕ Π 5.9 μs ⊕ Ν	RBW 100 kHz	2 Mode	Auto FFT		2.4665	0.94 dBm 67800 GHz



Spectru	<u> </u>	ourious NV	NT 80	02.11n(HT	Г20) 24	162MH	z Ant1 E	mission	
Ref Lev Att SGL Cour			-	RBW 100 kHz VBW 300 kHz	Mode /	luto Swee	p		(,
⊖1Pk Max									
					M	1[1]			0.05 dBm
10 dBm—								2.4	67410 GHz
0 dBm	4				M	2[1]			45.56 dBm
U UBM								16.3	42901 GHz
-10 dBm—									
-20 dBm—	D1 -19.0	55 dBm		++					
-30 dBm—									
-40 dBm—									
-40 ubiii		M3 M4		M5		M2			
-50 dBm—				. d. from the	أساميرا معيوي	and a fille	بالانتقارين وسيقابله	الخافة يرجي والباء المتلا	and subset of the second
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60 dBm—	1.000			++			+		
-70 dBm—									
Start 30.	1 MHz			30001	nts		1	Stor	25.0 GHz
larker					- · ·				
	ef Trc	X-value	1	Y-value	Fund	tion	Fund	tion Result	- 1
M1	1	2,46741	GHz	0.05 dBm			- Tun		
M2	1	16.342901		-45.56 dBm					
M3	1	5.090587		-50.29 dBm					
	1	7.303761		-49.84 dBm					
M4									

END OF REPORT