

TEST REPORT

FCC ID: 2APMJBV6800PRO

Product: Smart phone

Model No.: BV6800Pro

Additional Model No.: N/A

Trade Mark: Blackview

Report No.: TCT181023E046

Issued Date: Nov. 20, 2018

Issued for:

Shenzhen DOKE Electronic Co., Ltd

13th Floor, Weidonglong commercial building B, Meilong avenue, Longhua
New District, Shenzhen, China

Issued By:

Shenzhen Tongce Testing Lab.

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1. Test Certification

Applicable

Standards:

Product: Smart phone Model No.: BV6800Pro Additional N/A Model: Trade Mark: **Blackview** Applicant: Shenzhen DOKE Electronic Co., Ltd 13th Floor, Weidonglong commercial building B, Meilong avenue, Address: Longhua New District, Shenzhen, China Manufacturer: Shenzhen DOKE Electronic Co., Ltd 13th Floor, Weidonglong commercial building B, Meilong avenue, Address: Longhua New District, Shenzhen, China **Date of Test:** Oct. 24, 2018 – Nov. 19, 2018

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

FCC CFR Title 47 Part 15 Subpart C Section 15.247

KDB 558074 D01 15.247 Meas Guidance v05

Tested By: _____ Tm Wang ____ Date: Nov. 19, 2018

Jin Wang

Reviewed By: Date: Nov. 20, 2018

Beryl Zhao

Approved By: | TMS M Date: Nov. 20, 2018

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2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	PASS
AC Power Line Conducted Emission	§15.207	PASS
Conducted Peak Output Power	§15.247 (b)(3) §2.1046	PASS
6dB Emission Bandwidth	§15.247 (a)(2) §2.1049	PASS
Power Spectral Density	§15.247 (e)	PASS
Band Edge	1§5.247(d) §2.1051, §2.1057	PASS
Spurious Emission	§15.205/§15.209 §2.1053, §2.1057	PASS

Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.



3. EUT Description

•	T Decerinties	
\ \ \	TESTING CENTRE TECHNOLOGY	Report No.: TCT181023E046

Product:	Smart phone
Model No.:	BV6800Pro
Additional Model:	N/A
Trade Mark:	Blackview
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20)) 2422MHz~2452MHz (802.11n(HT40))
Channel Separation:	5MHz
Number of Channel:	11 for 802.11b/802.11g/802.11n(HT20) 7 for 802.11n(HT40)
Modulation Technology: (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Modulation Technology: (IEEE 802.11g/802.11n)	Orthogonal Frequency Division Multiplexing(OFDM)
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
Data speed (IEEE 802.11n):	Up to 150Mbps
Antenna Type:	PIFA Antenna
Antenna Gain:	1.45dBi
Power Supply:	Rechargeable Li-ion Battery DC 3.85V
AC Adapter:	Model: HJ-FC018K7-US Input: 100-240V~50/60Hz 0.6A Output: 5V, 2A / 7V, 2A / 9V,2A



Operation Frequency each of channel For 802.11b/g/n(HT20)

			•				,	
	Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
١)	1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
	2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
	3	2422MHz	6	2437MHz	9	2452MHz		

Operation Frequency each of channel For 802.11n (HT40)

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
		4	2427MHz	7	2442MHz		
	(3	5	2432MHz	8	2447MHz	4	
3	2422MHz	6	2437MHz	9	2452MHz		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

802.11b/802.11g/802.11n (HT20)

Channel	Frequency	
The lowest channel	2412MHz	
The middle channel	2437MHz	
The Highest channel	2462MHz	

802.11n (HT40)

Channel	Frequency
The lowest channel	2422MHz
The middle channel	2437MHz
The Highest channel	2452MHz



4. General Information

4.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 98.46%)

The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. For the full battery state and The output power to the maximum state.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	Data rate		
802.11b	1Mbps		
802.11g	6Mbps		
802.11n(H20)	6.5Mbps		
802.11n(H40)	13.5Mbps		

Final Test Mode:

Operation mode:		Keep the EUT in continuous transmitting		
	W	with modulation		

- 1. For WIFI function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.
- 2.According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup" 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20), 13.5Mbps for 802.11(H40). Duty cycle setting during the transmission is 98.5% with maximum power setting for all modulations.



4.2. Description of Support Units

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.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
	1	1) 1	

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.



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5. Facilities and Accreditations

5.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

• IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District,

Shenzhen, Guangdong, China

TEL: +86-755-27673339

5.3. 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	MU
1	Conducted Emission	±2.56dB
2	RF power, conducted	±0.12dB
3	Spurious emissions, conducted	±0.11dB
4	All emissions, radiated(<1G)	±3.92dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
7	Humidity	±1.0%



Test Results and Measurement Data

6.1. Antenna requirement

FCC Part15 C Section 15.203 /247(c) Standard requirement:

15.203 requirement:

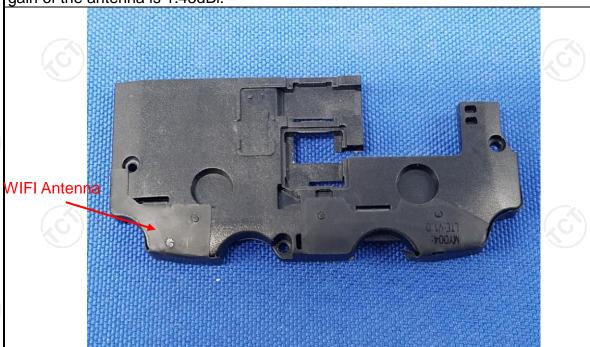
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The WIFI antenna is PIFA antenna which permanently attached, and the best case gain of the antenna is 1.45dBi.



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6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207				
Test Method:	ANSI C63.10:2013	ANSI C63.10:2013				
Frequency Range:	150 kHz to 30 MHz					
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto					
Limits:	Frequency range (MHz) 0.15-0.5 0.5-5 5-30	Average 56 to 46* 46 50				
Test Setup:	Reference Plane 40cm 80cm Filter AC power EMI Receiver Remark: E.U.T: Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m					
Test Mode:	Charging + transmitting	g with modulation				
Test Procedure:	 The E.U.T is connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 					
Test Result:	PASS					



6.2.2. Test Instruments

TESTING CENTRE TECHNOLOGY Report No.: TCT181023E046

Cond	Conducted Emission Shielding Room Test Site (843)						
Equipment	Manufacturer	Model	Serial Number	Calibration Due			
Test Receiver	R&S	ESPI	101401	Jul. 17, 2019			
LISN	Schwarzbeck	NSLK 8126	8126453	Sep. 20, 2019			
Coax cable (9KHz-30MHz)	тст	CE-05	N/A	Sep. 16, 2019			
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A			

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



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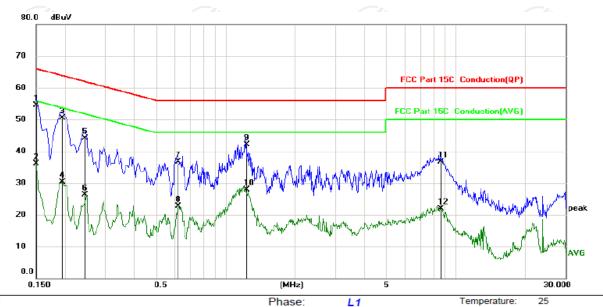
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6.2.3. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



Limit: FCC Part 15C Conduction(QP)

AC 120V/60Hz Power:

Humidity:

55 %

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	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
-	1	*	0.1500	44.40	10.12	54.52	66.00	-11.48	QP	
_	2		0.1500	26.03	10.12	36.15	56.00	-19.85	AVG	
-	3		0.1949	40.40	10.12	50.52	63.83	-13.31	QP	
_	4		0.1949	20.21	10.12	30.33	53.83	-23.50	AVG	
-	5		0.2445	34.00	10.13	44.13	61.94	-17.81	QP	
-	6		0.2445	16.08	10.13	26.21	51.94	-25.73	AVG	
-	7		0.6180	26.50	10.13	36.63	56.00	-19.37	QP	
-	8		0.6180	12.57	10.13	22.70	46.00	-23.30	AVG	
-	9		1.2300	32.00	10.12	42.12	56.00	-13.88	QP	
-	10		1.2300	17.75	10.12	27.87	46.00	-18.13	AVG	
ζ-	11		8.6235	26.60	10.14	36.74	60.00	-23.26	QP	
) _	12		8.6235	11.78	10.14	21.92	50.00	-28.08	AVG	
_										

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

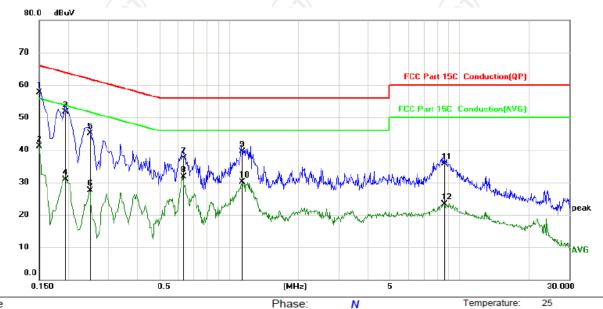
Q.P. =Quasi-Peak

AVG =average

^{*} is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.



Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Limit: FCC Part 15C Conduction(QP) Power: AC 120V/60Hz Humidity:

-	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
_			MHz	dBuV	dB	dBuV	dBu∨	dB	Detector	Comment
	1	*	0.1500	47.60	10.12	57.72	66.00	-8.28	QP	
	2		0.1500	30.96	10.12	41.08	56.00	-14.92	AVG	
-	3		0.1949	41.50	10.12	51.62	63.83	-12.21	QP	
-	4		0.1949	20.88	10.12	31.00	53.83	-22.83	AVG	
	5		0.2490	35.00	10.13	45.13	61.79	-16.66	QP	
ζ.	6		0.2490	17.34	10.13	27.47	51.79	-24.32	AVG	
-	7		0.6314	27.40	10.13	37.53	56.00	-18.47	QP	
	8		0.6314	21.66	10.13	31.79	46.00	-14.21	AVG	
	9		1.1400	29.40	10.12	39.52	56.00	-16.48	QP	
	10		1.1400	19.98	10.12	30.10	46.00	-15.90	AVG	
-	11		8.6235	25.60	10.14	35.74	60.00	-24.26	QP	
-	12		8.6235	13.23	10.14	23.37	50.00	-26.63	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

 $Limit (dB\mu V) = Limit stated in standard$

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

Q.P. =Quasi-Peak

AVG =average

^{*} is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.



6.3. Maximum Conducted (Average) Output Power

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6.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)					
Test Method:	KDB 558074					
Limit:	30dBm					
Test Setup:	Spectrum Analyzer EUT					
Test Mode:	Transmitting mode with modulation					
Test Procedure:	 The testing follows the Measurement Procedure of FCC KDB No. 558074 D01 15.247 Meas Guidance v05 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. Measure the conducted output power and record the results in the test report. 					
Test Result:	PASS					

6.3.2. Test Instruments

				/		
RF Test Room						
Equipment	Manufacturer	Model	Serial Number	Calibration Due		
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 20, 2019		
RF Cable (9KHz-26.5GHz)	TCT	RE-06	N/A	Sep. 20, 2019		
Antenna Connector	ТСТ	RFC-01	N/A	Sep. 20, 2019		

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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6.4. Emission Bandwidth

6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)				
Test Method:	KDB 558074				
Limit:	>500kHz				
Test Setup:					
	Spectrum Analyzer EUT				
Test Mode:	Transmitting mode with modulation				
Test Procedure:	 The testing follows FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05 Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report. 				
Test Result:	PASS				

6.4.2. Test Instruments

RF Test Room					
Equipment	Manufacturer	Model	Serial Number	Calibration Due	
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 20, 2019	
RF Cable (9KHz-26.5GHz)	тст	RE-06	N/A	Sep. 20, 2019	
Antenna Connector	TCT	RFC-01	N/A	Sep. 20, 2019	

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

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6.5. Power Spectral Density

6.5.1. Test Specification

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	KDB 558074
Limit:	The average power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	 The testing follows Measurement Procedure 10.3 Method AVGPSD of FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05 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. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. Set the span to at least 1.5 times the OBW. Detector = RMS, Sweep time = auto couple. Employ trace averaging (RMS) mode over a minimum of 100 traces. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report.
Test Result:	PASS

6.5.2. Test Instruments

RF Test Room					
Equipment	Manufacturer	Model	Serial Number	Calibration Due	
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 20, 2019	
RF Cable (9KHz-26.5GHz)	тст	RE-06	N/A	Sep. 20, 2019	
Antenna Connector	TCT	RFC-01	N/A	Sep. 20, 2019	

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).





6.6. Conducted Band Edge and Spurious Emission Measurement

6.6.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (d)					
Test Method:	KDB558074					
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).					
Test Setup:	Structure Andrew EUT					
Test Mode:	Transmitting mode with modulation					
Test Procedure:	 The testing follows FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05 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. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band. 					
Test Result:	PASS					



TESTING CENTRE TECHNOLOGY Report No.: TCT181023E046

6.6.2. Test Instruments

	RF Test Room										
Equipment	Manufacturer	Model	Serial Number	Calibration Due							
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 20, 2019							
RF Cable (9KHz-26.5GHz)	тст	RE-06	N/A	Sep. 20, 2019							
Antenna Connector	TCT	RFC-01	N/A	Sep. 20, 2019							

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



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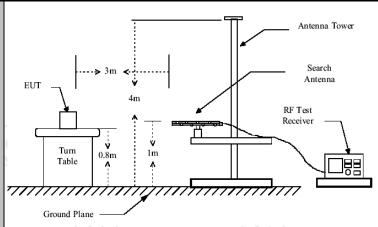
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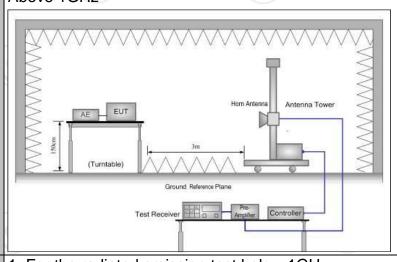
6.7. Radiated Spurious Emission Measurement

6.7.1. Test Specification

Test Requirement:	FCC Part15	C Section	n 1	5.209			
Test Method:	ANSI C63.10	D: 2013		Z\			
Frequency Range:	9 kHz to 25 (GHz					
Measurement Distance:	3 m						
Antenna Polarization:	Horizontal &	Vertical					
Operation mode:	Transmitting	mode w	ith	modulat	ion		
	Frequency Detect 9kHz- 150kHz Quasi-p 150kHz- Quasi-p		-peak 200Hz		VBW 1kHz 30kHz	Quas	Remark si-peak Value si-peak Value
Receiver Setup:	30MHz 30MHz-1GHz Above 1GHz	Quasi-pe Peak	ak	100KHz 1MHz	300KHz 3MHz	Р	si-peak Value eak Value
	Above Toriz	Peak		1MHz	10Hz	ı	erage Value
Limit:	0.009-0.4 0.490-1.7 1.705-3 30-88 88-216 216-96 Above 9	490 705 80 60 60	Field Stre (microvolts) 2400/F(k 24000/F(k 24000/F(k 30 100 150 200 5000 Field Strength nicrovolts/meter) 500 5000		/meter) KHz) KHz)	nce Detector	
Test setup:	For radiated Discourse of the second	Turn table	ns k		Pre -A	Compute	er P



Above 1GHz



1. For the radiated emission test below 1GHz: The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level. For the radiated emission test above 1GHz: Place the measurement antenna on a turntable with 1.5 meter above ground, which is 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

Test Procedure:

and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which

Π	一 一 正 通测检测		
	TESTING CENTRE TECHNOLOGY	Report No.: TCT181023E	046
		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. 3. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level	
		4. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.	
		 5. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=100 kHz for f < 1 GHz; VBW RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz 	8
		for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥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.	
	Test results:	PASS	

Fax: 86-755-27673332

http://www.tct-lab.com

Tel: 86-755-27673339

Hotline: 400-6611-140



6.7.2. Test Instruments

	Radiated Em	ission Test Si	te (966)	
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Test Receiver	ROHDE&SCHW ARZ	ESIB7	100197	Jul. 17, 2019
Spectrum Analyzer	ROHDE&SCHW ARZ	FSQ40	200061	Sep. 20, 2019
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 16, 2019
Pre-amplifier	HP	8447D	2727A05017	Sep. 16, 2019
Loop antenna	ZHINAN	ZN30900A	12024	Oct. 20, 2019
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 02, 2019
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Oct. 20, 2019
Antenna Mast	Keleto	CC-A-4M	N/A	N/A
Coax cable (9KHz-1GHz)	тст	RE-low-01	N/A	Aug. 27, 2019
Coax cable (9KHz-40GHz)	ТСТ	RE-high-02	N/A	Aug. 27, 2019
Coax cable (9KHz-1GHz)	тст	RE-low-03	N/A	Aug. 27, 2019
Coax cable (9KHz-40GHz)	ТСТ	RE-high-04	N/A	Aug. 27, 2019
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

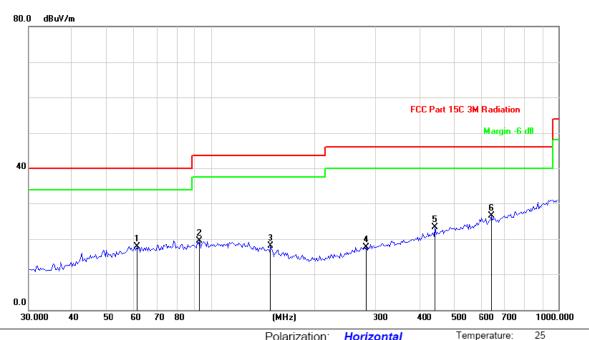
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6.7.3. Test Data

Please refer to following diagram for individual Below 1GHz

Horizontal:



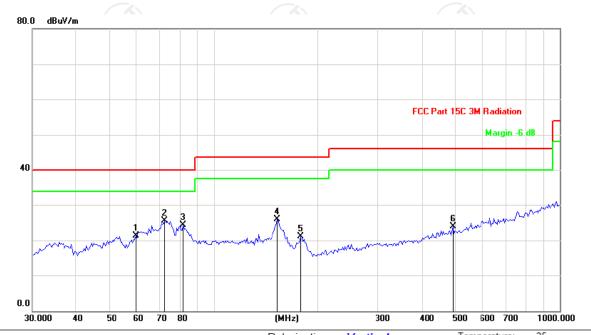
Site Polarization: Horizontal Temperature: 2
Limit: FCC Part 15C 3M Radiation Power: DC 3.85V Humidity: 55 %

	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree		
_			MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment	
-	1		61.4343	30.69	-12.84	17.85	40.00	-22.15	peak				
_	2		92.9972	29.18	-9.68	19.50	43.50	-24.00	peak				
	3		148.9173	34.18	-15.99	18.19	43.50	-25.31	peak				
_	4	:	280.2936	28.43	-10.67	17.76	46.00	-28.24	peak				
	5	4	442.5722	30.16	-6.93	23.23	46.00	-22.77	peak				
_	6	*	642.2921	29.78	-3.34	26.44	46.00	-19.56	peak				





Vertical:



Site Polarization: Vertical Temperature: 25
Limit: FCC Part 15C 3M Radiation Power: DC 3.85V Humidity: 55 %

No	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1		59.7315	33.58	-12.31	21.27	40.00	-18.73	peak			
2	*	72.2111	41.40	-15.87	25.53	40.00	-14.47	peak			
3		81.9477	39.75	-15.47	24.28	40.00	-15.72	peak			
4		153.1627	41.71	-15.85	25.86	43.50	-17.64	peak			
5		178.7697	35.61	-14.58	21.03	43.50	-22.47	peak			
6		491.7700	29.85	-5.89	23.96	46.00	-22.04	peak			

Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

2. Measurements were conducted in all three channels (high, middle, low) and all modulation(802.11b, 802.11g, 802.11n(HT20), 802.11n(HT40)), and the worst case Mode (highest channel and 802.11b) was submitted only.



Test Result of Radiated Spurious at Band edgesModulation Type: 802.11b

Low channel: 2412 MHz										
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	Correction Factor (dB/m)	Peak Final Emission Level	Peak limit (dBµV/m)	AV limit (dBµV/m)				
2310	Н	44.17	-4.16	40.01	74.00	54.00				
2377.38	Н	47.85	-4.37	43.48	74.00	54.00				
2390	Н	52.42	-3.82	48.60	74.00	54.00				
2310	V	45.07	-4.26	40.81	74.00	54.00				
2377.38	V	53.64	-4.75	48.89	74.00	54.00				
2390	V	54.58	-3.46	51.12	74.00	54.00				

Modulation Type: 802.11b

	High channel: 2462 MHz										
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	Correction Factor (dB/m)	Peak Final Emission Level	Peak limit (dBµV/m)	AV limit (dBµV/m)					
2483.5	Н	51.25	-3.27	47.98	74.00	54.00					
2487.09	Н	47.67	-3.19	44.48	74.00	54.00					
2500	Н	45.02	-3.52	41.50	74.00	54.00					
2483.5	V	54.58	-3.76	50.82	74.00	54.00					
2487.09	V	47.19	-3.58	43.61	74.00	54.00					
2500	V	42.37	-3.27	39.10	74.00	54.00					

Modulation Type: 802.11g

		Modu	iation Type. 66	2.119							
	Low channel: 2412 MHz										
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	Correction Factor (dB/m)	Peak Final Emission Level	Peak limit (dBµV/m)	AV limit (dBµV/m)					
2310	Н	43.17	-4.29	38.88	74.00	54.00					
2388.96	Н	50.85	-4.68	46.17	74.00	54.00					
2390	Н	53.62	-3.17	50.45	74.00	54.00					
2310	V	45.74	-4.62	41.12	74.00	54.00					
2388.96	V	49.08	-4.53	44.55	74.00	54.00					
2390	V	54.16	-3.94	50.22	74.00	54.00					

Modulation Type: 802.11g

	High channel: 2462 MHz											
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	Correction Factor (dB/m)	Peak Final Emission Level	Peak limit (dBµV/m)	AV limit (dBµV/m)						
2483.5	Н	52.56	-3.47	49.09	74.00	54.00						
2487.59	Н	50.47	-3.82	46.65	74.00	54.00						
2500	Н	46.62	-3.09	43.53	74.00	54.00						
2483. 5	V	51.95	-3.62	48.33	74.00	54.00						
2487.59	V	47.17	-3.56	43.61	74.00	54.00						
2500	V	47.08	-3.35	43.73	74.00	54.00						



Modulation Type: 802.11n(20MHz)

		เขเงนนเลเเง	11 1 ype. 002.11	11(20111112)							
	Low channel: 2412 MHz										
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	Correction Factor (dB/m)	Peak Final Emission Level	Peak limit (dBµV/m)	AV limit (dBµV/m)					
2310	H	46.17	-4.09	42.08	74.00	54.00					
2388.01	Н	53.68	-4.35	49.33	74.00	54.00					
2390	Н	54.07	-3.02	51.05	74.00	54.00					
2310	V	48.42	-4.28	44.14	74.00	54.00					
2388.01	V	54.76	-4.65	50.11	74.00	54.00					
2390	\/	55.10	-3 83	51 37	74.00	54.00					

Modulation Type: 802.11n(20MHz)

	High channel: 2462 MHz										
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	Correction Factor (dB/m)	Peak Final Emission Level	Peak limit (dBµV/m)	AV limit (dBµV/m)					
2483.5	H	52.75	-3.52	49.23	74.00	54.00					
2392.55	Н	51.96	-3.14	48.82	74.00	54.00					
2500	Н	47.21	-3.80	43.41	74.00	54.00					
2483. 5	V	53.62	-3.63	49.99	74.00	54.00					
2392.55	V	50.83	-3.27	47.56	74.00	54.00					
2500	V	48.47	-3.85	44.62	74.00	54.00					

Modulation Type: 802.11n(40MHz)

	Low channel: 2422 MHz													
Freque (MH		Ant. Pol. H/V	Peak reading (dBµV)	Correction Factor (dB/m)	Peak Final Emission Level	Peak limit (dBµV/m)	AV limit (dBµV/m)							
231	0	Н	50.14	-4.17	45.97	74.00	54.00							
2387	.85	Н	55.72	-4.68	51.04	74.00	54.00							
239	00	Η	52.06	-3.17	48.89	74.00	54.00							
231	0	V	51.27	-4.52	46.75	74.00	54.00							
2389	.98	V	50.82	-4.70	46.12	74.00	54.00							
239	0	V	49.49	-3.26	46.23	74.00	54.00							

Modulation Type: 802.11n(40MHz)

	High channel: 2452 MHz													
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	Correction Factor (dB/m)	Peak Final Emission Level	Peak limit (dBµV/m)	AV limit (dBµV/m)								
2483.5	Н	52.37	-3.62	48.75	74.00	54.00								
2493.51	Н	54.05	-3.57	50.48	74.00	54.00								
2500	Н	49.64	-3.38	46.26	74.00	54.00								
2493.51	V	54.18	-3.69	50.49	74.00	54.00								
2489.36	V	52.32	-3.43	48.89	74.00	54.00								
2500	V	50.73	-3.31	47.42	74.00	54.00								

Note:

- 1. Peak Final Emission Level=Peak Reading + Correction Factor;
- 2. Correction Factor= Antenna Factor + Cable loss Pre-amplifier





Above 1GHz Modulation Type: 802.11b

Report No.: TCT181023E046

			L	ow channe.	l: 2412 MH:	Z						
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emissio Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)			
4824	Н	48.27		0.75	49.02		74	54	-4.98			
7236	Н	40.74		9.87	50.61		74	54	-3.39			
	H		(N					X				
	(0)		(20)			(, 0,		(,0)				
4824	V	47.93	-77	0.75	48.68		74	54	-5.32			
7236	V	40.69		9.87	50.56		74	54	-3.44			
	V											

	Middle channel: 2437MHz												
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)				
4874	I	48.36		0.97	49.33		74	54	-4.67				
7311	Н	41.05		9.83	50.88	<u> </u>	74	54	-3.12				
//	H		TKO.	/	\	(O-7		750					
4874	V	49.80		0.97	50.77		74	54	-3.23				
7311	V	41.12		9.83	50.95		74	54	-3.05				
	V	()							(
5)		(0)			5 1		[0]						

			H	ligh channe	l: 2462 MH	Z			
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4924	Н	49.58	<i>fc</i> N	1.18	50.76		74	54	-3.24
7386	Н	38.41	*	10.07	48.48	-/-	74	54	-5.52
	Н								
4924	V	48.72		1.18	49.9		74	54	-4.10
7386	V	40.38		10.07	50.45		74	54	-3.55
/ /	V	Z=2 /		<	7 /		KD)		🕢

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.



Modulation Type: 802.11g

	The desired by the second seco												
	Low channel: 2412 MHz												
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)				
4824	Н	49.62		0.75	50.37		74	54	-3.63				
7236	Н	40.07		9.87	49.94		74	54	-4.06				
	Н												
/					/								
4824	OV	47.36	[_ C]	0.75	48.11	(O-4	74	54	-5.89				
7236	V	40.85	-33	9.87	50.72	<u></u>	74	54	-3.28				
	V												

Middle channel: 2437MHz												
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)			
4874	Н	48.70		0.97	49.67		74	54	-4.33			
7311	Н	40.24		9.83	50.07	-	74	54	-3.93			
/	Н			\	/			-4-				
	(0)		KO.			(0)		KO.				
4874	V	47.93		0.97	48.90		74	54	-5.10			
7311	V	40.48		9.83	50.31		74	54	-3.69			
	V											

()	High channel: 2462 MHz												
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)				
4924	Н	47.17		1.18	48.35		74	54	-5.65				
7386	H	39.63	fc	10.07	49.7	-1-1	74	54	-4.30				
	Н							-4-	/				
4924	V	46.09		1.18	47.27		74	54	-6.73				
7386	V	40.24		10.07	50.31		74	54	-3.69				
	V			((

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.





Modulation Type: 802.11n (HT20)

	Modulation Type: 802.11h (HT20)													
	Low channel: 2412 MHz													
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)					
4824	Н	49.76		0.75	50.51		74	54	-3.49					
7236	Н	40.15		9.87	50.02		74	54	-3.98					
	Н													
				\										
4824	C V	47.37	F-0,	0.75	48.12	(C-)	74	54	-5.88					
7236	V	40.95		9.87	50.82	<u></u>	74	54	-3.18					
	V													

Z	Middle channel: 2437MHz												
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)				
4874	Н	47.62		0.97	48.59		74	54	-5.41				
7311	Н	40.28		9.83	50.11		74	54	-3.89				
/	Н			\	/			- /-					
	(0)		KO.		,			KO.					
4874	V	47.50		0.97	48.47		74	54	-5.53				
7311	V	40.14		9.83	49.97		74	54	-4.03				
	V												

- //													
((High channel: 2462 MHz												
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)				
4924	Н	48.08		1.18	49.26		74	54	-4.74				
7386	Н	40.83	<i></i>	10.07	50.90	. ()-1-	74	54	-3.10				
	Н												
4924	V	47.92		1.18	49.10		74	54	-4.90				
7386	V	40.17		10.07	50.24		74	54	-3.76				
	V			((

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.





Modulation Type: 802.11n (HT40)

	Modulation Type. 802.1111 (H140)													
	Low channel: 2422 MHz													
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)					
4844	Η	45.92		0.66	46.58		74	54	-7.42					
7266	Ι	38.05		9.50	47.55		74	54	-6.45					
	Ι													
					/									
4824	\ \ \ \	44.37	[_ C_	0.66	45.03	(C)	74	54	-8.97					
7236	V	35.63	-33	9.50	45.13	<u> </u>	74	54	-8.87					
	V													

Z\	Middle channel: 2437MHz									
Freque (MH		Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
487	7 4	H	42.81		0.99	43.80		74	54	-10.20
731	11	Н	34.25		9.85	44.10	-	74	54	-9.90
	- /	H				/			- /-	
	1			KO.			(0)		KO.	
487	' 4	V	43.49		0.99	44.48		74	54	-9.52
731	11	V	37.74		9.85	47.59		74	54	-6.41
	-	V								

High channel: 2452 MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4904	Н	45.18		1.33	46.51		74	54	-7.49
7356	Н	36.50	fc	10.22	46.72	. ()-1-	74	54	-7.28
	Н							-4-	
4904	V	43.62		1.33	44.95		74	54	-9.05
7356	V	36.07		10.22	46.29		74	54	-7.71
	V			((

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/m)
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 25GHz.
- 5. Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.

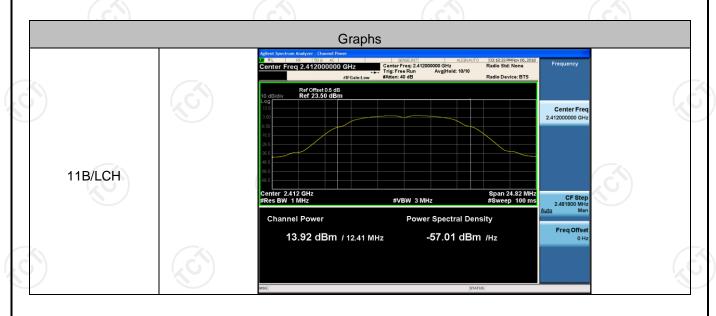


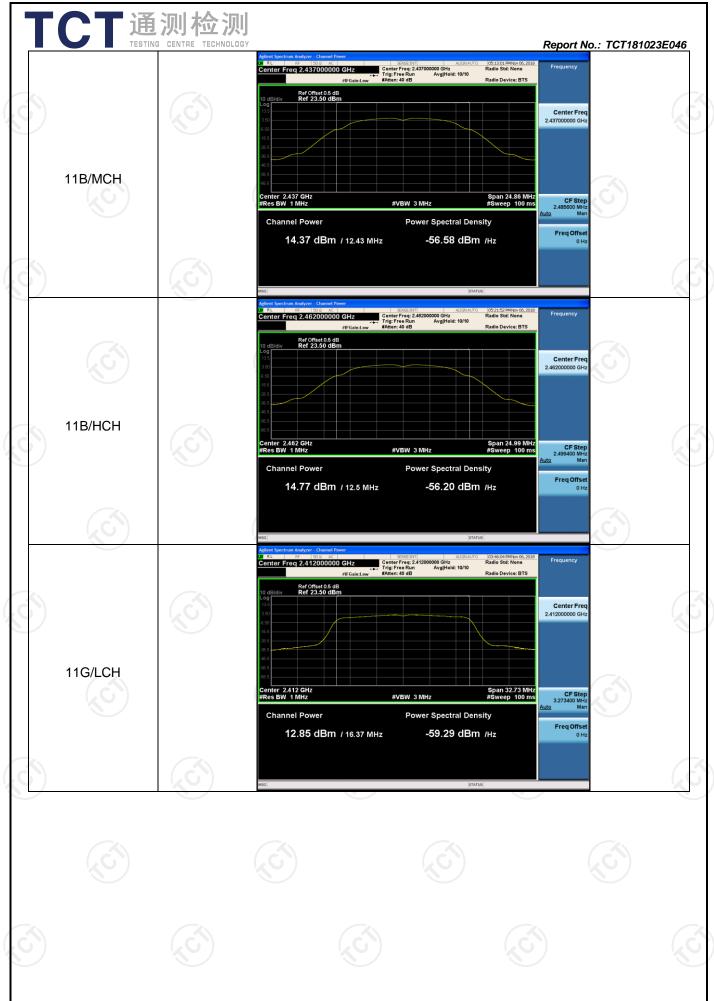


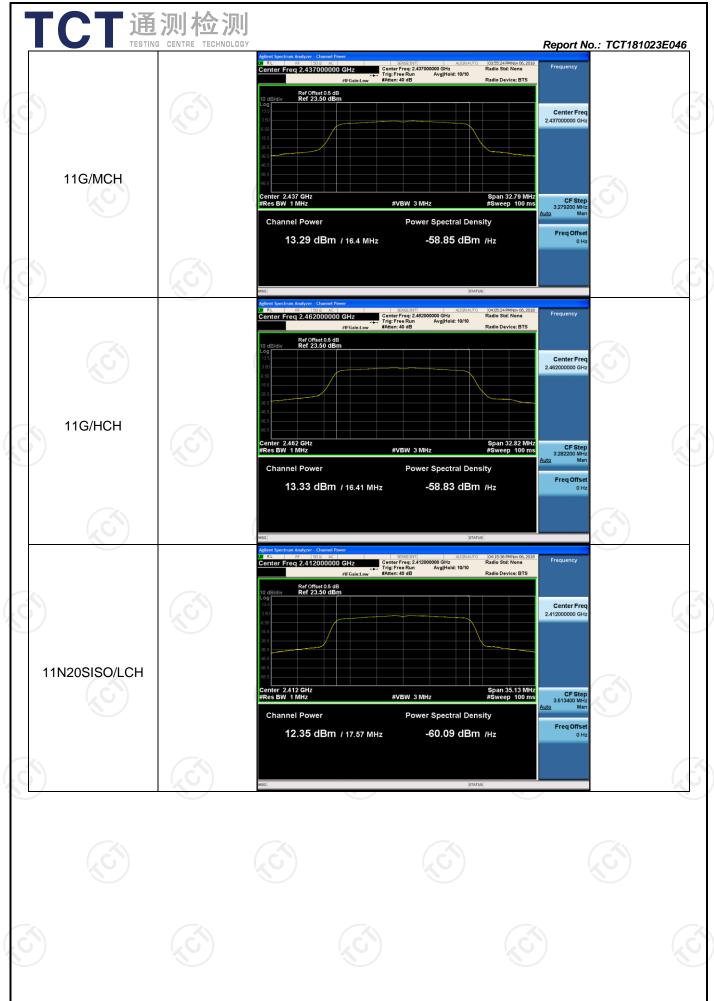
Conducted Average Output Power

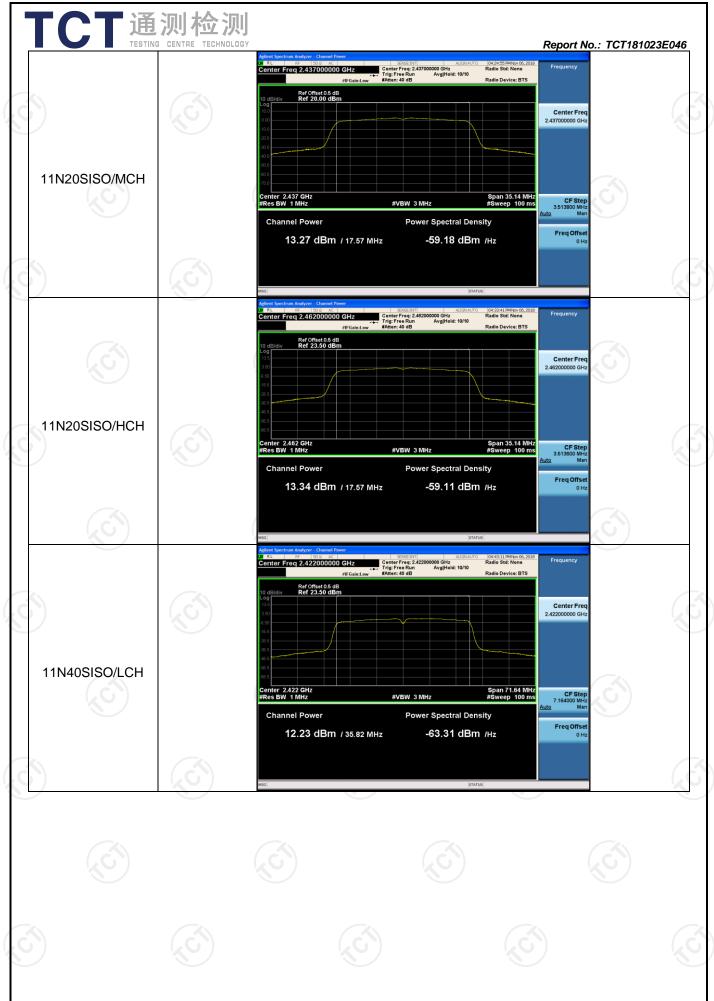
Result Table

Mode	Channel	Meas.Level [dBm]	Verdict
11B	LCH	13.92	PASS
11B	MCH	14.37	PASS
11B	HCH	14.77	PASS
11G	LCH	12.85	PASS
11G	MCH	13.29	PASS
11G	НСН	13.33	PASS
11N20SISO	LCH	12.35	PASS
11N20SISO	MCH	13.27	PASS
11N20SISO	нсн	13.34	PASS
11N40SISO	LCH	12.23	PASS
11N40SISO	MCH	12.23	PASS
11N40SISO	HCH	12.32	PASS









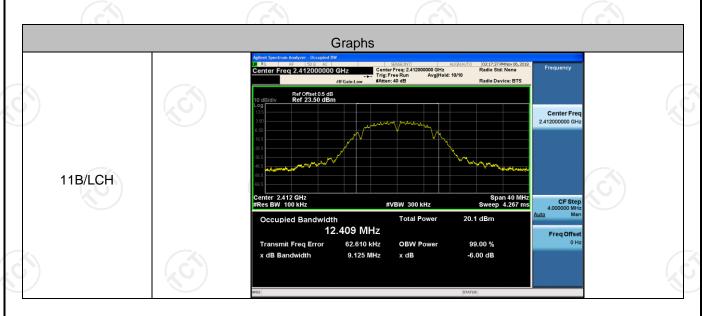




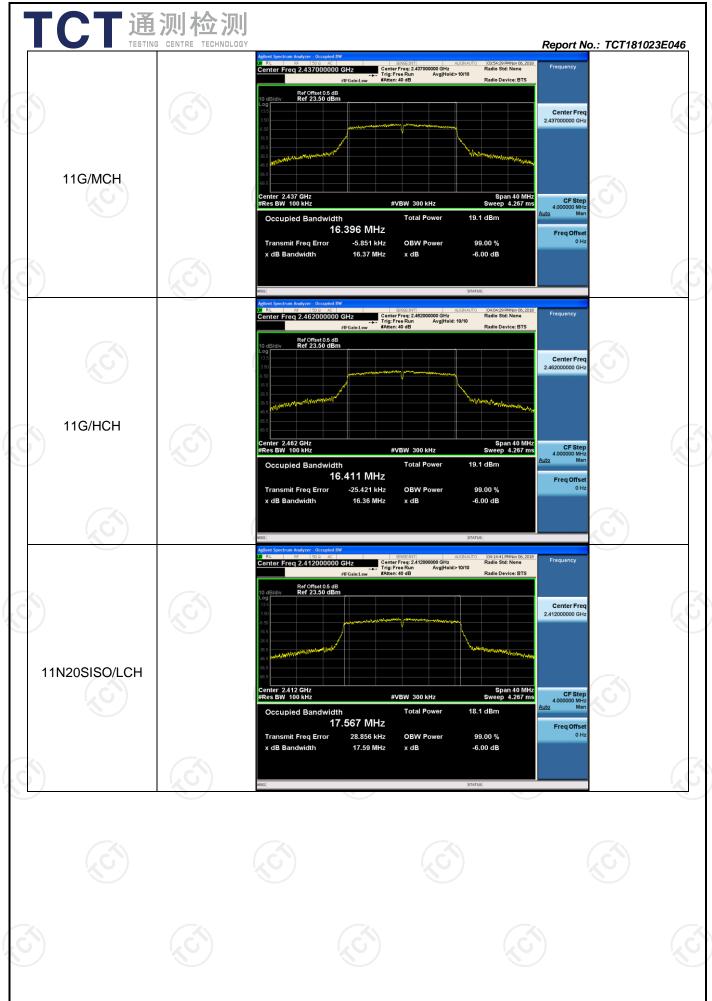
6dB Occupied Bandwidth

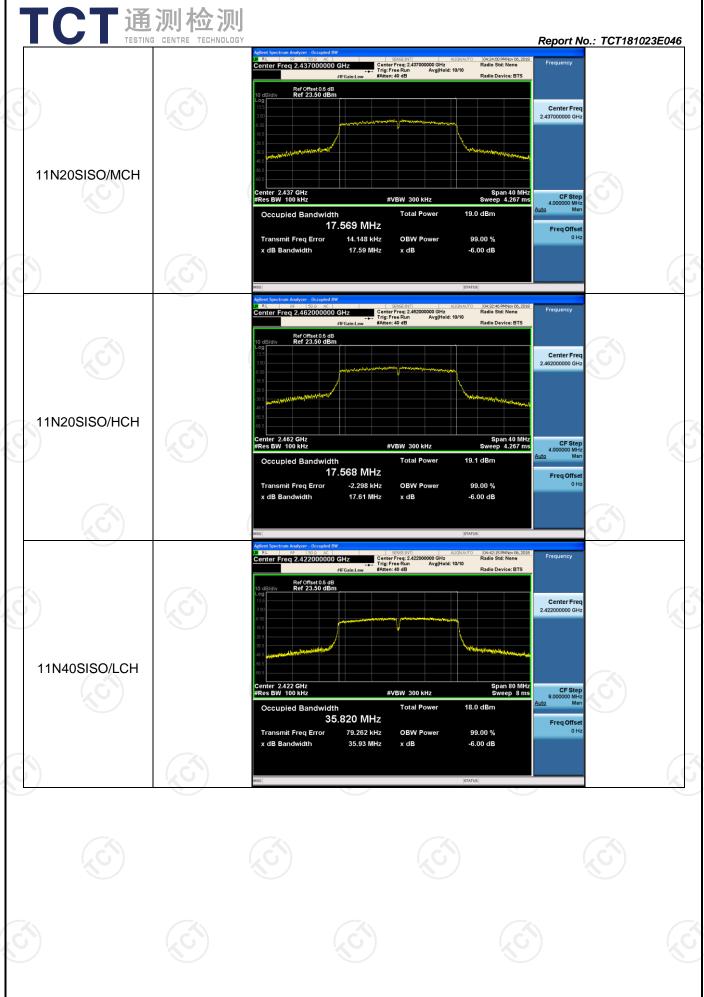
Result Table

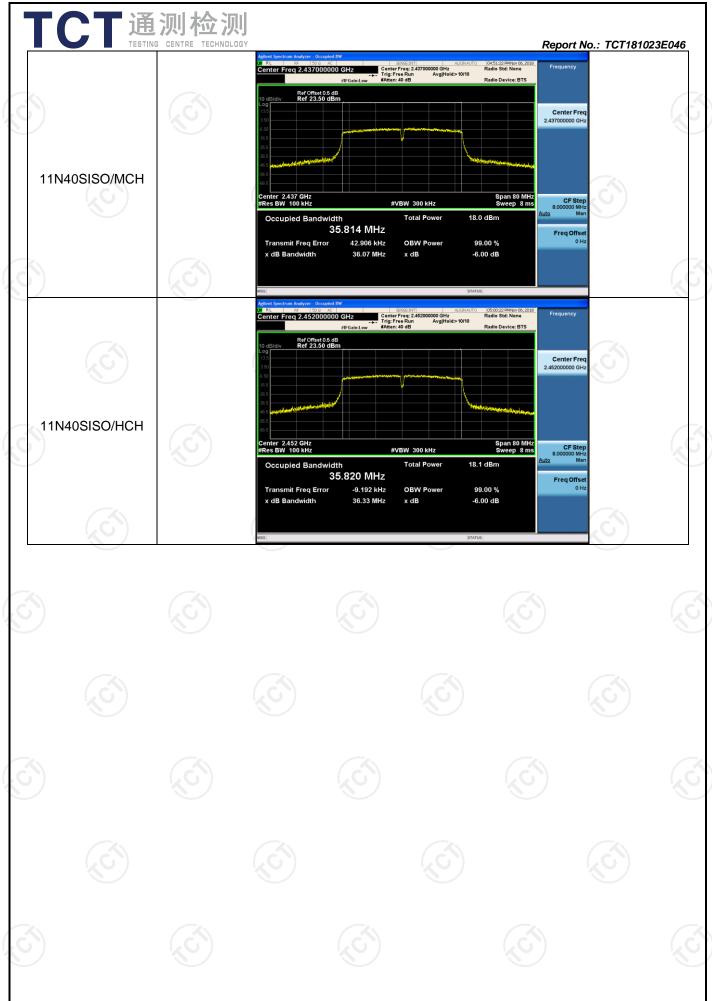
Mode	Channel	6dB Bandwidth [MHz]	99% OBW [MHz]	Verdict
11B	LCH	9.125	12.409	PASS
11B	MCH	9.122	12.428	PASS
11B	НСН	9.123	12.497	PASS
11G	LCH	16.38	16.367	PASS
11G	MCH	16.37	16.396	PASS
11G	нсн	16.36	16.411	PASS
11N20SISO	LCH	17.59	17.567	PASS
11N20SISO	MCH	17.59	17.569	PASS
11N20SISO	HCH	17.61	17.568	PASS
11N40SISO	LCH	35.93	35.820	PASS
11N40SISO	MCH	36.07	35.814	PASS
11N40SISO	нсн	36.33	35.820	PASS









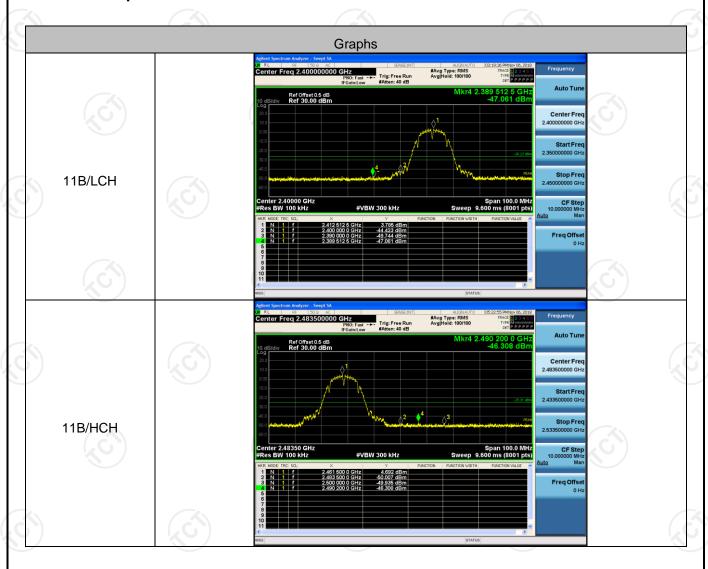


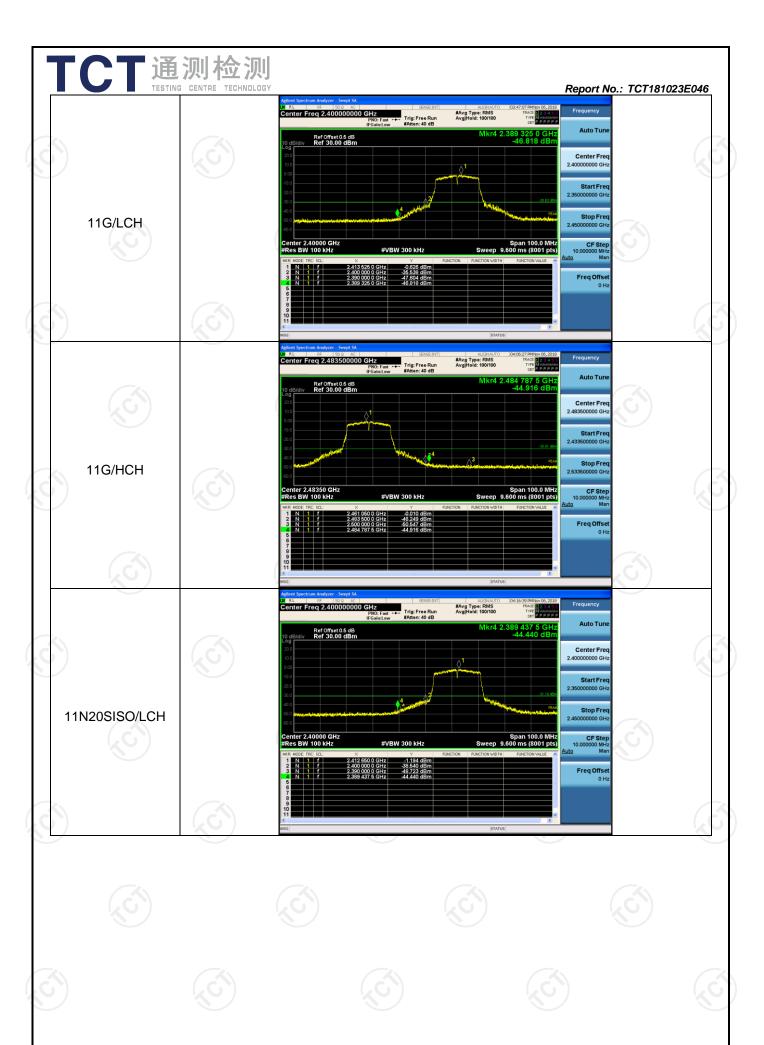


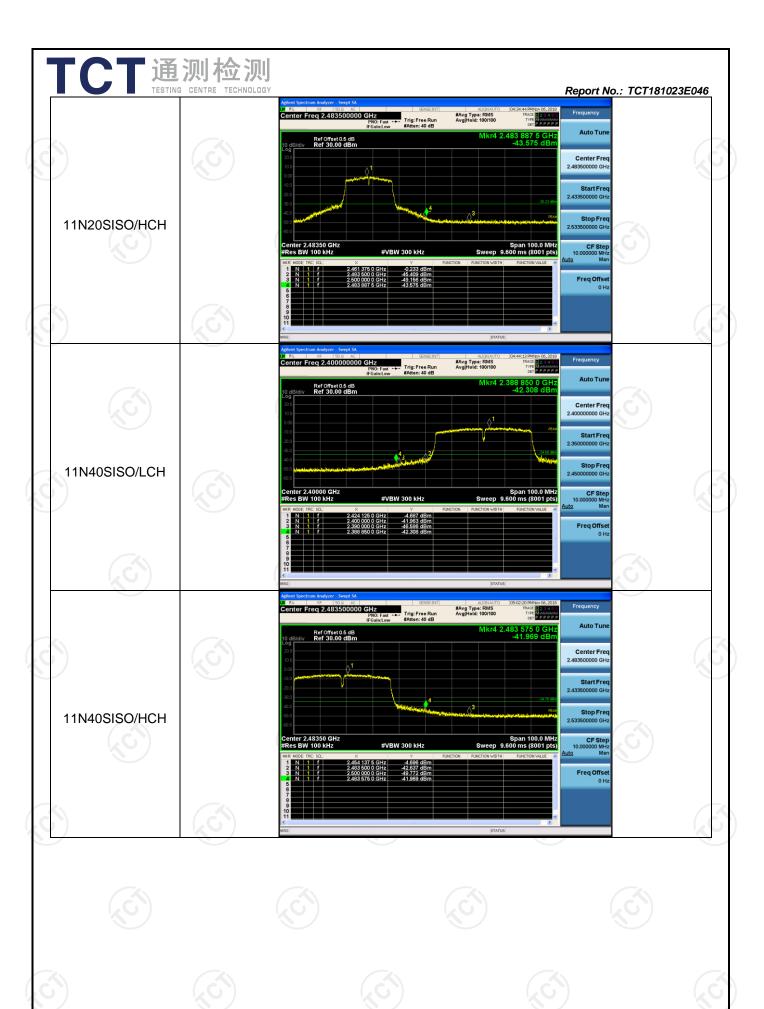
Band-edge for RF Conducted Emissions

Result Table

	- X		9	- 2	
Mode	Channel	Carrier Power [dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	3.785	-47.061	-26.22	PASS
11B	HCH	4.692	-46.308	-25.31	PASS
11G	LCH	-0.626	-46.818	-30.63	PASS
11G	HCH	-0.010	-44.916	-30.01	PASS
11N20SISO	LCH	-1.194	-44.440	-31.19	PASS
11N20SISO	HCH	-0.233	-43.575	-30.23	PASS
11N40SISO	LCH	-4.687	-42.308	-34.69	PASS
11N40SISO	НСН	-4.696	-41.969	-34.7	PASS









RF Conducted Spurious Emissions

Result Table

<u></u>				
Mode	Channel	Pref [dBm]	Puw [dBm]	Verdict
11B	LCH	3.738	<limit< td=""><td>PASS</td></limit<>	PASS
11B	MCH	4.189	<limit< td=""><td>PASS</td></limit<>	PASS
11B	HCH	4.624	<limit< td=""><td>PASS</td></limit<>	PASS
11G	LCH	-0.741	<limit< td=""><td>PASS</td></limit<>	PASS
11G	MCH	-0.292	<limit< td=""><td>PASS</td></limit<>	PASS
11G	HCH	-0.127	<limit< td=""><td>PASS</td></limit<>	PASS
11N20SISO	LCH	-1.194	<limit< td=""><td>PASS</td></limit<>	PASS
11N20SISO	MCH	0.041	<limit< td=""><td>PASS</td></limit<>	PASS
11N20SISO	НСН	-0.021	<limit< td=""><td>PASS</td></limit<>	PASS
11N40SISO	LCH	-4.832	<limit< td=""><td>PASS</td></limit<>	PASS
11N40SISO	MCH	-4.962	<limit< td=""><td>PASS</td></limit<>	PASS
11N40SISO	HCH	-4.806	<limit< td=""><td>PASS</td></limit<>	PASS

