

TEST REPORT

FCC ID: 2AKPYCWO300

Product: titancore6BASIC

Model No.: CWO-300

Additional Model No.: CWO-301, CWO-302, CWO-303

Trade Mark: N/A

Report No.: TCT170922E006

Issued Date: Oct. 25, 2017

Issued for:

TiTANplatform Corp.

7th floor, Hyunik Blg., 146 Teheran-ro P.O. Box 06236, Gangnam-gu, Seoul, 06236 South Korea

Issued By:

Shenzhen Tongce Testing Lab.

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1. Test Certification

Product:	titancore6BASIC			
Model No.:	CWO-300			
Additional Model:	CWO-301, CWO-302, CWO-303			
Trade Mark:	N/A			
Applicant:	ïTANplatform Corp.			
Address:	7th floor, Hyunik Blg., 146 Teheran-ro P.O. Box 06236, Gangnam-gu, Seoul, 06236 South Korea			
Manufacturer:	Shenzhen Sunchip Technology Co., Ltd			
Address:	2nd-3rd Floor, Building 4, Fuan Industry Area Phase 2, Dayang Development Zone, Fuyong, Baoan, Shenzhen.			
Date of Test:	Sep. 23, 2017 – Oct. 23, 2017			
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247 KDB 558074 D01 DTS Meas Guidance v04			

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.

Tested By:	Brews Xu	Date:	Oct. 23. 2017
	Brews Xu	_	
Reviewed By:	Landhon	Date:	Oct. 23. 2017
	Joe Zhou	(C)	
Approved By:	foms in	Date:	Oct. 23. 2017
	Tomsin		



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

- 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

Product:	titancore6BASIC
Model No.:	CWO-300
Additional Model:	CWO-301, CWO-302, CWO-303
Trade Mark:	N/A
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:	Internal Antenna
Antenna Gain:	3.29dBi
Power Supply:	Adapter Information: Model: MX12W6-0502000UX Input: AC 100-240V, 50/60Hz, 0.3A Output: 5V, 2A
Remark:	All models above are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement.



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

0 0 1 0101 0 1		7 4.7	• • • • • • •		$\frac{1}{3}$		
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		(C)

Operation Frequency each of channel For 802.11n (HT40)

		<u> </u>				1 1 1 1 7		
\	Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1		(6)	4	2427MHz	7	2442MHz	(-)	
			5	2432MHz	8	2447MHz		
	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. Genera Information

4.1. Test environment and mode

25.0 °C
56 % RH
1010 mbar
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.

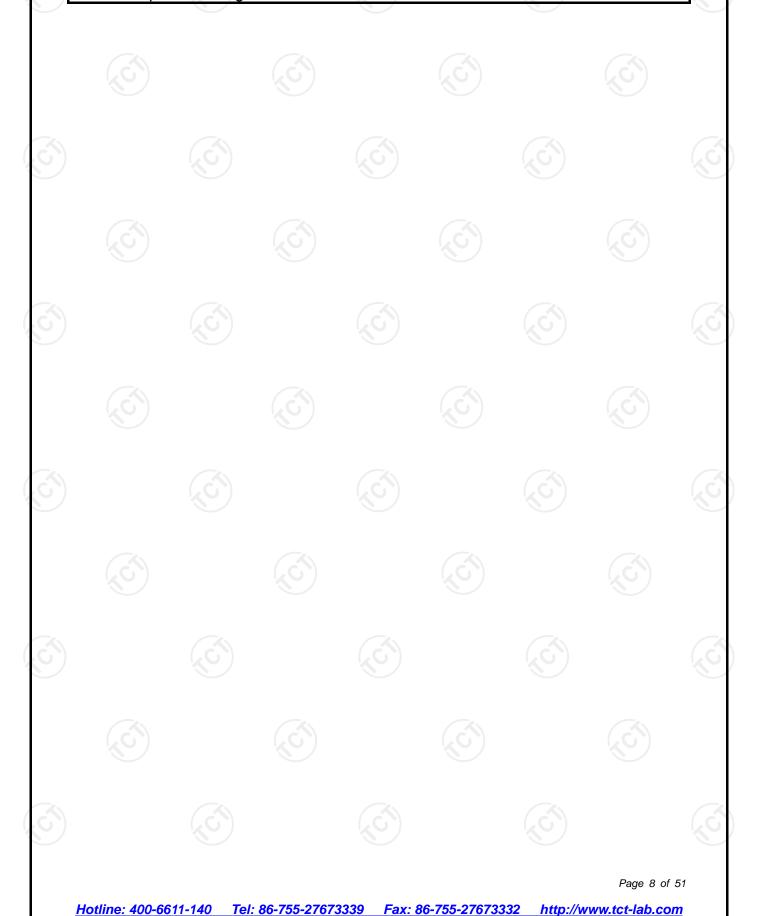
Mode	Data rate		
802.11b	1Mbps		
802.11g	6Mbps		
802.11n(H20)	6.5Mbps		
802.11n(H40)	13.5Mbps		
Final Test Mode:			

Operation mode:	Keep the EUT in continuous transmitting
	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.



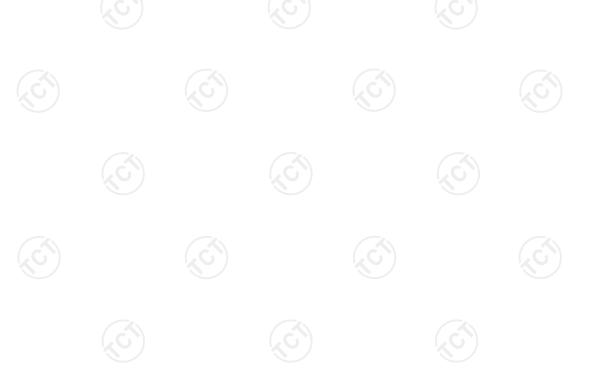


4.2. Description of Support Units

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	1	/

- 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.





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

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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%



6. Test Results and Measurement Data

6.1. Antenna requirement

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

15.203 requirement:

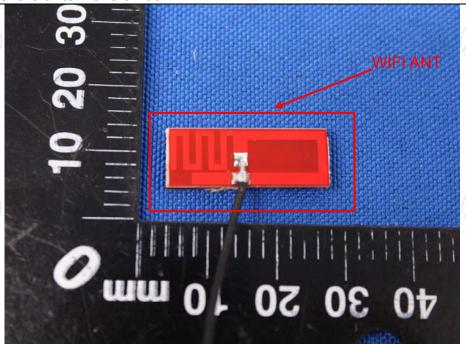
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 an internal antenna which permanently attached, and the best case gain of the antenna is 3.29dBi.





6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207			
Test Method:	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	Limit (d Quasi-peak 66 to 56* 56 60	BuV) 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 with modulation				
Test Procedure:	1. The E.U.T is connectine impedance state provides a 50ohm/5 measuring equipmer 2. The peripheral device power through a List coupling impedance refer to the block photographs). 3. Both sides of A.C. conducted interference emission, the relative the interface cables ANSI C63.10: 2013	cilization network in the coupling import. The coupling import. The coupling import. The coupling import. The coupling import in the coupling	(L.I.S.N.). This pedance for the cted to the main a 500hm/50uH ination. (Please test setup and d for maximum d the maximum pment and all of ed according to		
Test Result:	PASS				



6.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)								
Equipment	Manufacturer	Model	Serial Number	Calibration Due				
Test Receiver	R&S	ESPI	101401	Jun. 12, 2018				
LISN	Schwarzbeck	NSLK 8126	8126453	Sep. 27, 2018				
Coax cable (9KHz-30MHz)	тст	CE-05	N/A	Sep. 27, 2018				
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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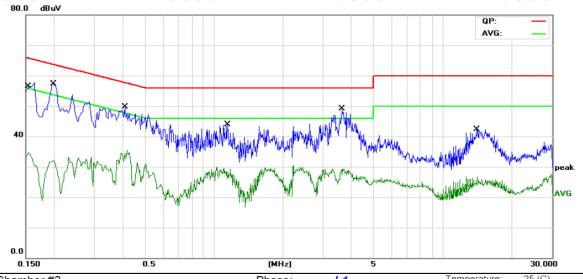




6.2.3. Test data

Please refer to following diagram for individual

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



Site Chamber #2	Phase:	L1	Temperature: 25 (C)
Limit: ECC Part 15B Class B Conduction(QP)	Power:	AC 120V/60Hz	Humidity: 55 %

No	. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBu∀	dB	Detector	Comment
		0.1544	46.17	11.47	57.64	65.75	-8.11	QP	
	2	0.1544	23.21	11.47	34.68	55.75	-21.07	AVG	
3	*	0.1995	45.93	11.45	57.38	63.63	-6.25	QP	
	ļ	0.1995	20.63	11.45	32.08	53.63	-21.55	AVG	
- 5	;	0.4062	38.27	11.35	49.62	57.72	-8.10	QP	
- 6	6	0.4062	24.25	11.35	35.60	47.72	-12.12	AVG	
	,	1.1444	32.55	11.27	43.82	56.00	-12.18	QP	
- 8	3	1.1444	18.22	11.27	29.49	46.00	-16.51	AVG	
- 5)	3.6330	37.92	11.10	49.02	56.00	-6.98	QP	
10)	3.6330	18.22	11.10	29.32	46.00	-16.68	AVG	
1		14.1989	30.79	11.59	42.38	60.00	-17.62	QP	
12	2	14.1989	15.06	11.59	26.65	50.00	-23.35	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

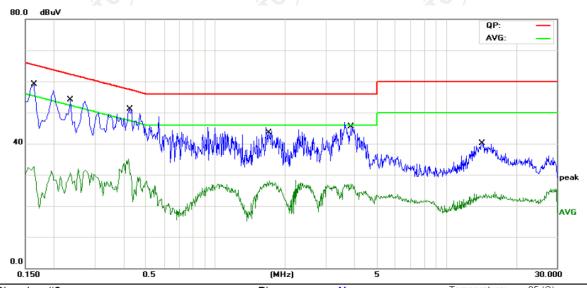
AVG =average

^{*} 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)



Site Chamber #2 Phase: N Temperature: 25 (C)
Limit: FCC Part 15B Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

1 '	*	MHz 0.1635 0.1635 0.2353	dBuV 47.61 21.21	dB 11.47 11.47	dBuV 59.08	dBu√ 65.28	dB	Detector	Comment	
2	*	0.1635	21.21			65.28	0.00			
				11.47	22.00		-6.20	QP		
3		0.2353			32.68	55.28	-22.60	AVG		
5		5.2500	42.77	11.43	54.20	62.26	-8.06	QP		
4		0.2353	19.25	11.43	30.68	52.26	-21.58	AVG		
5		0.4198	39.72	11.34	51.06	57.45	-6.39	QP		
6		0.4198	23.69	11.34	35.03	47.45	-12.42	AVG		
7		1.7114	33.69	11.54	45.23	56.00	-10.77	QP		
8		1.7114	16.49	11.54	28.03	46.00	-17.97	AVG		
9		3.8668	35.96	11.02	46.98	56.00	-9.02	QP		
10		3.8668	16.18	11.02	27.20	46.00	-18.80	AVG		
11	•	14.2260	28.59	11.59	40.18	60.00	-19.82	QP		
12	,	14.2260	12.40	11.59	23.99	50.00	-26.01	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)

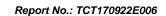
 $Limit (dB\mu V) = Limit stated in standard$

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

Q.P. =Quasi-Peak

AVG =average

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





6.2.4. Maximum Conducted (Average) Output Power

6.2.5. 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 DTS D01 Meas. Guidance v04. 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				

6.2.6. Test Instruments

RF Test Room								
Equipment Manufacturer Model Serial Number Calibration I								
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 27, 2018				
RF Cable (9KHz-26.5GHz)	тст	RE-06	N/A	Sep. 27, 2018				
Antenna Connector	тст	RFC-01	N/A	Sep. 27, 2018				

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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6.3. Emission Bandwidth

6.3.1. 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 DTS D01 Meas. Guidance v04. 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

6.3.2. Test Instruments

RF Test Room								
Equipment	Manufacturer	Model	Serial Number	Calibration Due				
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 27, 2018				
RF Cable (9KHz-26.5GHz)	тст	RE-06	N/A	Sep. 27, 2018				
Antenna Connector	тст	RFC-01	N/A	Sep. 27, 2018				

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. Power Spectral Density

6.4.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.247 (e)	
Test Method:	KDB 558074	(3)
Limit:	The average power spectral density shathan 8dBm in any 3kHz band at any continuous transmission.	
Test Setup:	Spectrum Analyzer EUT	
Test Mode:	Transmitting mode with modulation	
Test Procedure:	 The testing follows Measurement Pro Method AVGPSD of FCC KDB Public No.558074 D01 DTS Meas. Guidant 2. The RF output of EUT was connected analyzer by RF cable and attenuator was compensated to the results for emeasurement. Set to the maximum power setting an EUT transmit continuously. Make the measurement with the spectosolution bandwidth (RBW): 3 kHz skHz. Video bandwidth VBW ≥ 3 x RE to at least 1.5 times the OBW. Detector = RMS, Sweep time = auto of 100 traces. Use the peak marker of determine the maximum power level Measure and record the results in the 	cation ce v04 d to the spectrum r. The path loss each d enable the ctrum analyzer's ≤ RBW ≤ 100 BW. Set the span couple. cover a minimum function to
Test Result:	PASS	

6.4.2. Test Instruments

RF Test Room									
Equipment	Manufacturer	Model	Serial Number	Calibration Due					
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 27, 2018					
RF Cable (9KHz-26.5GHz)	тст	RE-06	N/A	Sep. 27, 2018					
Antenna Connector	TCT	RFC-01	N/A	Sep. 27, 2018					

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



6.5. Conducted Band Edge and Spurious Emission Measurement

6.5.1. Test Specification

Test Method: In any 100 kHz bandwidth outside of the authorize frequency band, the emissions which fall in non-restricted bands shall be attenuated at least 20 d 30dB relative to the maximum PSD level in 100 kHz RF conducted measurement and radiated emission which fall in the restricted bands, as defined in Sect 15.205(a), must also comply with the radiated emiss limits specified in Section 15.209(a).	Test Requirement:
In any 100 kHz bandwidth outside of the authorize frequency band, the emissions which fall in non-restricted bands shall be attenuated at least 20 december 30 dB relative to the maximum PSD level in 100 kHz RF conducted measurement and radiated emission which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emiss limits specified in Section 15.209(a).	
frequency band, the emissions which fall in non-restricted bands shall be attenuated at least 20 d 30dB relative to the maximum PSD level in 100 kHz RF conducted measurement and radiated emission which fall in the restricted bands, as defined in Sect 15.205(a), must also comply with the radiated emiss limits specified in Section 15.209(a).	Test Method:
Test Setup:	Limit:
	Test Setup:
Spectrum Analyzer EUT	
Test Mode: Transmitting mode with modulation	Test Mode:
1. The testing follows FCC KDB Publication No. 5580 D01 DTS Meas. Guidance v04. 2. The RF output of EUT was connected to the spectra analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detecto Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency bar shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz whe maximum peak conducted output power procedure used. If the transmitter complies with the conducte power limits based on the use of RMS averaging or a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). 5. Measure and record the results in the test report. 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency bar	Test Procedure:
Test Result: PASS	Test Result:



6.5.2. Test Instruments

RF Test Room									
Equipment	Manufacturer	Model	Serial Number	Calibration Due					
Spectrum Analyzer	Agilent	N9020A	MY49100060	Sep. 27, 2018					
RF Cable (9KHz-26.5GHz)	тст	RE-06	N/A	Sep. 27, 2018					
Antenna Connector	TCT	RFC-01	N/A	Sep. 27, 2018					

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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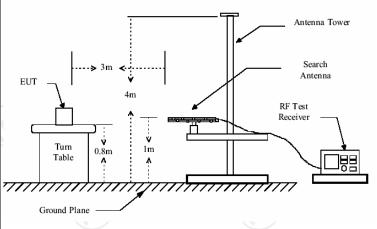
6.6. Radiated Spurious Emission Measurement

6.6.1. Test Specification

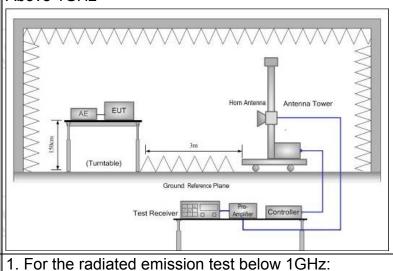
Test Requirement:	FCC Part15	FCC Part15 C Section 15.209							
Test Method:	ANSI C63.10	ANSI C63.10: 2013							
Frequency Range:	9 kHz to 25 (9 kHz to 25 GHz							
Measurement Distance:	3 m	3 m							
Antenna Polarization:	Horizontal &	Horizontal & Vertical							
Operation mode:	Transmitting	Transmitting mode with modulation							
	Frequency	Detector	r	RBW	VBW		Remark		
	9kHz- 150kHz	Quasi-pea	ak	200Hz	1kHz	Quas	si-peak Value		
Receiver Setup:	150kHz- 30MHz	Quasi-pea	ak	9kHz	30kHz		si-peak Value		
	30MHz-1GHz	Quasi-pea	ak	100KHz	300KHz	Quas	si-peak Value		
	Above 1GHz	Peak		1MHz	3MHz	Р	eak Value		
	760VC TGTIZ	Peak		1MHz	10Hz	Ave	erage Value		
	Frequen	псу	Field Stre (microvolts/		•	Measurement Distance (meters)			
	0.009-0.4	490	2400/F(K		(Hz)	300			
	0.490-1.7		24000/F(KHz)			30			
	1.705-3		30			30			
	30-88		100			3			
Limit:	88-216 216-96		150			3 3			
Limit	Above 9			200 500		3			
	Above 9	00		300					
	Frequency		Field Streng		Measure Distan (meter	се	Detector		
	Above 1GHz	7	5	00	3		Average		
	Above Tolliz	_	50	000	3		Peak		
Test setup:	For radiated emissions below 30MHz Distance = 3m Comp Pre - Amplified Receiver				1000	er			
	30MHz to 10) IC							







Above 1GHz



Test Procedure:

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 and staying aimed at the emission source for





	receiving the maximum signal. The final
	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. 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 for peak measurement.
	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





6.6.2. Test Instruments

	<u> </u>			
	Radiated Em	ission Test Sit	te (966)	
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Sep. 27, 2018
Spectrum Analyzer	ROHDE&SCHW ARZ	FSQ	200061	Sep. 27, 2018
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 27, 2018
Pre-amplifier	HP	8447D	2727A05017	Sep. 27, 2018
Loop antenna	ZHINAN	ZN30900A	12024	Sep. 27, 2018
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 27, 2018
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 27, 2018
Horn Antenna	Schwarzbeck	BBH 9170	582	Jun. 07, 2018
Antenna Mast	Keleto	CC-A-4M	N/A	N/A
Coax cable (9KHz-1GHz)	тст	RE-low-01	N/A	Sep. 27, 2018
Coax cable (9KHz-40GHz)	тст	RE-high-02	N/A	Sep. 27, 2018
Coax cable (9KHz-1GHz)	тст	RE-low-03	N/A	Sep. 27, 2018
Coax cable (9KHz-40GHz)	TCT	RE-high-04	N/A	Sep. 27, 2018
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).

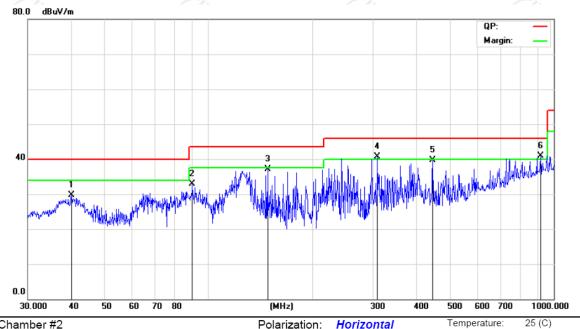
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6.6.3. Test Data

Please refer to following diagram for individual **Below 1GHz**

Horizontal:



Site Chamber #2 Limit: FCC Part 15B Class B 3M Radiation Polarization: Horizontal

AC 120V/60Hz

Temperature:

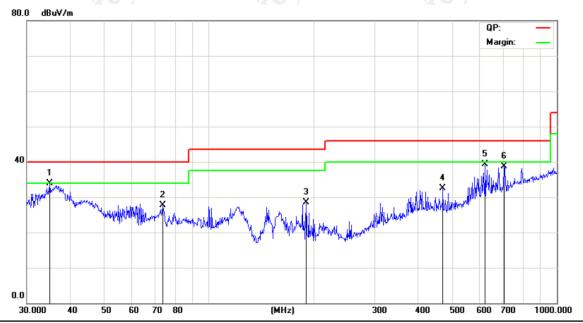
Humidity: 55 %

No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		40.1347	36.78	-7.04	29.74	40.00	-10.26	QP	
2		89.9047	40.74	-7.88	32.86	43.50	-10.64	QP	
3		148.4410	48.45	-11.35	37.10	43.50	-6.40	QP	
4	İ	308.9125	45.59	-4.90	40.69	46.00	-5.31	QP	
5		446.4141	41.51	-1.77	39.74	46.00	-6.26	QP	
6	*	916.0687	32.86	7.99	40.85	46.00	-5.15	QP	

Power:



Vertical:



Site Chamber #2 Polarization: Vertical Temperature: 25 (C)
Limit: FCC Part 15B Class B 3M Radiation Power: AC 120V/60Hz Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	34.8823	41.49	-7.55	33.94	40.00	-6.06	QP		
2		73.8756	38.75	-11.09	27.66	40.00	-12.34	QP		
3		190.4050	38.00	-9.52	28.48	43.50	-15.02	QP		
4		470.5231	34.00	-1.51	32.49	46.00	-13.51	QP		
5		622.8900	36.57	2.65	39.22	46.00	-6.78	QP		
6		704.2260	35.32	3.40	38.72	46.00	-7.28	QP		

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 (High channel and 802.11b) was submitted only.



Test Result of Radiated Spurious at Band edges Modulation Type: 802.11b

ш.				71							
	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)				
ſ	2310	Н	45.11	-4.20	40.91	74.00	54.00				
	2377.38	Н	47.76	-4.10	43.66	74.00	54.00				
	2390	Н	52.92	-3.94	48.98	74.00	54.00				
	2310	V	43.57	-4.20	39.37	74.00	54.00				
	2377.38	V	53.33	-4.10	49.23	74.00	54.00				
	2390	V	55.39	-3.94	51.45	74.00	54.00				

Modulation Type: 802.11b

		Modu	idilott Typo. oo	2.110				
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	49.89	-3.60	46.29	74.00	54.00		
2487.09	Н	47.42	-3.50	43.92	74.00	54.00		
2500	Н	44.26	-3.34	40.92	74.00	54.00		
2483.5	V	53.65	-3.60	50.05	74.00	54.00		
2487.09	V	46.72	-3.50	43.22	74.00	54.00		
2500	V	42.18	-3.34	38.84	74.00	54.00		

Modulation Type: 802.11a

			idilon Typo: co						
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	45.28	-4.20	41.08	74.00	54.00			
2388.96	Н	47.75	-4.10	43.65	74.00	54.00			
2390	Н	52.68	-3.94	48.74	74.00	54.00			
2310	V	43.61	-4.20	39.41	74.00	54.00			
2388.96	V	53.42	-4.10	49.32	74.00	54.00			
2390	V	55.59	-3.94	51.65	74.00	54.00			

Modulation Type: 802.11g

		Modu	iation Type. 00	2.119						
	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	50.17	-3.60	46.57	74.00	54.00				
2487.59	Н	47.42	-3.50	43.92	74.00	54.00				
2500	Н	44.56	-3.34	41.22	74.00	54.00				
2483. 5	V	53.94	-3.60	50.34	74.00	54.00				
2487.59	V	46.76	-3.50	43.26	74.00	54.00				
2500	V	41.57	-3.34	38.23	74.00	54.00				



Modulation Type: 802.11n(20MHz)

 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											
		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	44.92	-4.20	40.72	74.00	54.00					
2388.01	Н	47.88	-4.10	43.78	74.00	54.00					
2390	Н	52.69	-3.94	48.75	74.00	54.00					
2310	V	43.63	-4.20	39.43	74.00	54.00					
2388.01	V	53.82	-4.10	49.72	74.00	54.00					
2390	V	55.15	-3.94	51.21	74.00	54.00					

Modulation Type: 802.11n(20MHz)

	Link shapped 2400 Miles										
			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)				
Ī	2483.5	Н	50.17	-3.60	46.57	74.00	54.00				
	2392.55	Н	47.42	-3.50	43.92	74.00	54.00				
ſ	2500	Н	44.37	-3.34	41.03	74.00	54.00				
ſ	2483. 5	V	54.14	-3.60	50.54	74.00	54.00				
ĺ	2392.55	V	46.75	-3.50	43.25	74.00	54.00				
	2500	V	42.02	-3.34	38.68	74.00	54.00				

Modulation Type: 802.11n(40MHz)

		1 - /				
		Low	channel: 2422	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	45.14	-4.20	40.94	74.00	54.00
2387.85	Н	47.88	-4.10	43.78	74.00	54.00
2390	Н	52.79	-3.94	48.85	74.00	54.00
2310	V	43.69	-4.20	39.49	74.00	54.00
2389.98	V	53.58	-4.10	49.48	74.00	54.00
2390	V	55.12	-3.94	51.18	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	50.85	-3.60	47.25	74.00	54.00
2493.51	Н	47.27	-3.50	43.77	74.00	54.00
2500	Н	44.32	-3.34	40.98	74.00	54.00
2493.51	V	54.38	-3.60	50.78	74.00	54.00
2489.36	V	46.57	-3.50	43.07	74.00	54.00
2500	V	41.99	-3.34	38.65	74.00	54.00

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





Above 1GHz

Modulation Type: 802.11b

l. 1						J 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-			
				L	ow channe	l: 2412 MH:	Z			
F	requency (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	Ŧ	50.21	-/-	0.75	50.96		74	54	-3.04
	7236	H C	41.81	 \frac{\fir}}}}}}{\frac}\frac{\frac}\frac{\frac{\frac{\frac{\fin}}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac	9.87	51.68	(O+)	74	54	-2.32
F		H					<u></u>			
	4824	V	49.51		0.75	50.26		74	54	-3.74
	7236	V	42.56		9.87	52.43		74	54	-1.57
G		V	(2G)		(¿C	(``ر		(¿&`)		(2)

	Middle channel: 2437MHz										
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emissio Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)		
4874	Н	49.16	140	0.97	50.13	(O+	74	54	-3.87		
7311	Н	41.48		9.83	51.31		74	54	-2.69		
	Н										
4874	V	48.86		0.97	49.83		74	54	-4.17		
7311	V	41.39		9.83	51.22		74	54	-2.78		
	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	Η	49.34		1.18	50.52		74	54	-3.48		
7386	Ι	40.32		10.07	50.39		74	54	-3.61		
	Η	ľ		-			-				
4924	>	47.61		1.18	48.79		74	54	-5.21		
7386	V	41.74		10.07	51.81		74	54	-2.19		
	V										

- 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	a	802.1	Tvpe:	ulation	Modu
--------------------------	---	-------	-------	---------	------

	Low channel: 2412 MHz									
Freque (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	4	Η	50.13		0.75	50.88		74	54	-3.12
723	6	Η	41.93		9.87	51.80		74	54	-2.20
		Н		7					7	
		(0)		(20))		(0)		(,0,	
482	4	V	49.55	-77	0.75	50.3		74	54	-3.70
723	6	V	42.79		9.87	52.66		74	54	-1.34
		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	Н	49.16		0.97	50.13		74	54	-3.87
7311	Ξ	41.47		9.83	51.30		74	54	-2.70
	H		TY O			7		<u> </u>	
					,				
4874	V	48.88		0.97	49.85		74	54	-4.15
7311	V	41.42		9.83	51.25		74	54	-2.75
<u></u>	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)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)		
4924	H	49.34		1.18	50.52		74	54	-3.48		
7386	Н	40.32		10.07	50.39	-	74	54	-3.61		
	Н										
4004	\ /	47.07	<u> </u>	4.40	40.45		74	F.4			
4924	V	47.27		1.18	48.45		74	54	-5.55		
7386	V	41.46		10.07	51.53		74	54	-2.47		
Y /	V	2)		2				

- 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)

			L	ow channe	I: 2412 MH				
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBuV)	Correction Factor (dB/m)	Emissic Peak (dBµV/m)	n Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4824	I	50.26		0.75	51.01		74	54	-2.99
7236	I	41.92		9.87	51.79		74	54	-2.21
	Ŧ		7					7	
()	(0)		(20))		(0)		(,0)	
4824	V	49.42	-77	0.75	50.17		74	54	-3.83
7236	V	42.59		9.87	52.46		74	54	-1.54
	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	Н	49.12		0.97	50.09		74	54	-3.91
7311	H	41.48	<i>+</i>	9.83	51.31		74	54	-2.69
\	H		KO	/		(O-7-		KO	
4874	V	49.08		0.97	50.05		74	54	-3.95
7311	V	41.39		9.83	51.22		74	54	-2.78
	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)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
4924	Н	49.31		1.18	50.49	. 6724	74	54	-3.51
7386	Н	40.38		10.07	50.45	-/-	74	54	-3.55
	Н								
4924	V	48.78		1.18	49.96		74	54	-4.04
7386	V	41.64		10.07	51.71		74	54	-2.29
Y /	V)			7 /		2		

- 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)

	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	Н	48.73		0.75	49.48		74	54	-4.52
7266	H	40.84	7	9.87	50.71		74	54	-3.29
()	CH		[- 0]		(.O.→		[- C]	
, and the second					*				
4824	V	49.39		0.75	50.14		74	54	-3.86
7236	V	39.33		9.87	49.2		74	54	-4.8
	V	-7		/					/

		(.C)		(, ((.C)		
			M	iddle chanr	nel: 2437MF	łz			
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	49.25	+-~	0.97	50.22		74	54	-3.78
7311	H	39.12	140	9.83	48.95	(U+	74	54	-5.05
	H					<u></u>			
4874	V	48.14		0.97	49.11		74	54	-4.89
7311	V	39.83		9.83	49.66		74	54	-4.34
)	V			()		(C)		🗸

				Park alamana	L 0450 MIL	_			
High channel: 2452 MHz									
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)		Margin (dB)
4904	Н	48.89	<u> </u>	1.18	50.07	7	74	54	-3.93
7356	T	38.20		10.17	48.37		74	54	-5.63
	Ι								
4904	V	48.96		1.18	50.14		74	54	-3.86
7356	V	37.63		10.17	47.8		74	54	-6.2
	V								

- 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.





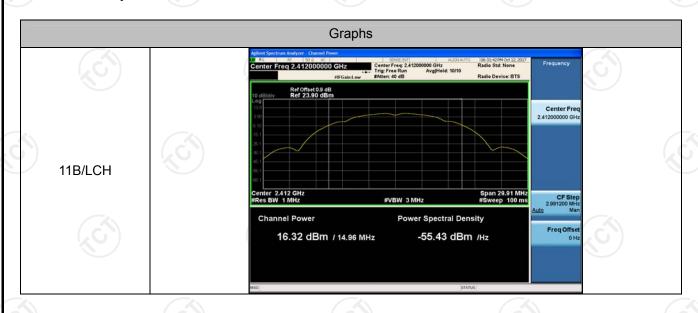


Appendix A: Test Result of Conducted Test Conducted Average Output Power

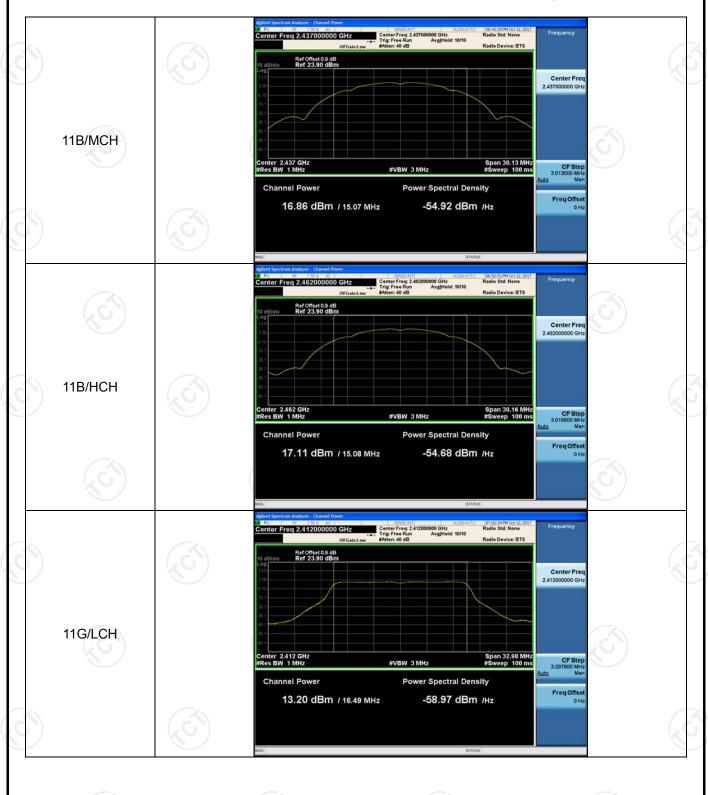
Result Table

Mode	Channel	Meas.Level [dBm]	Verdict
11B	LCH	16.32	PASS
11B	MCH	16.86	PASS
11B	HCH	17.11	PASS
11G	LCH	13.2	PASS
11G	MCH	13.26	PASS
11G	HCH	13.42	PASS
11N20SISO	LCH	13.39	PASS
11N20SISO	MCH	13.75	PASS
11N20SISO	HCH	13.43	PASS
11N40SISO	LCH	12.7	PASS
11N40SISO	MCH	13.3	PASS
11N40SISO	HCH	12.86	PASS

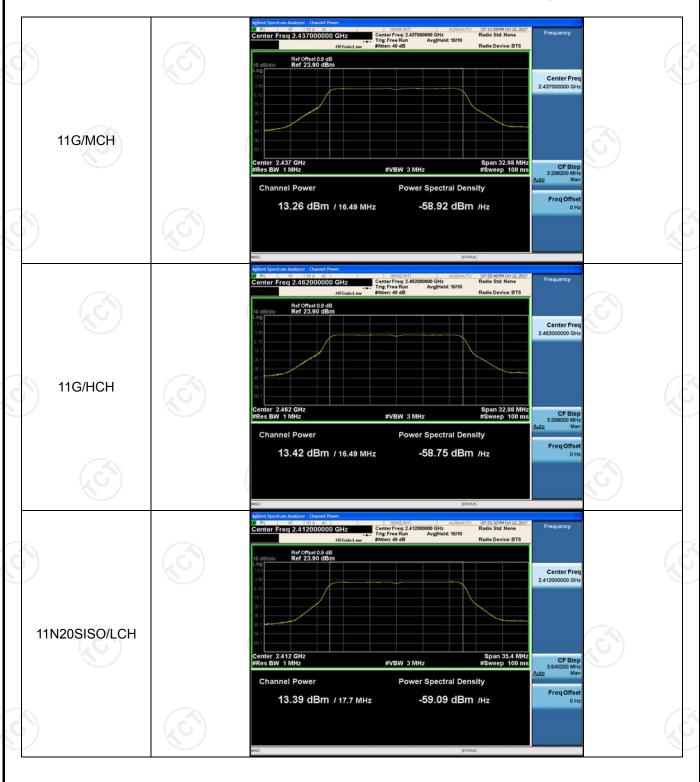
Test Graph



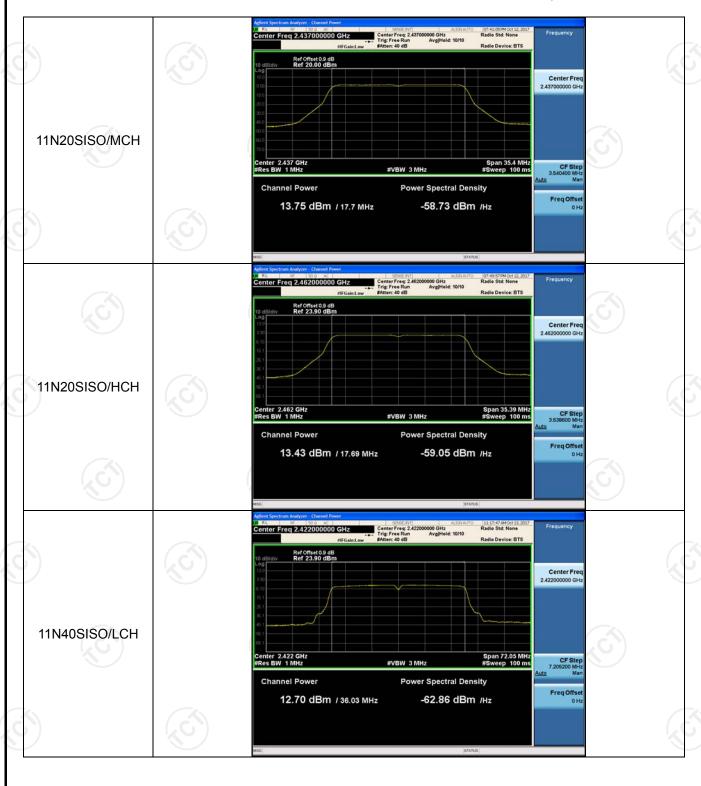


















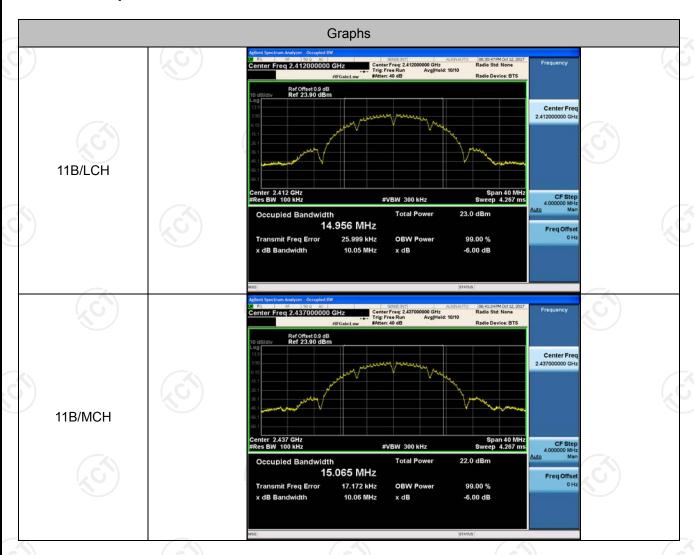


6dB Occupied Bandwidth

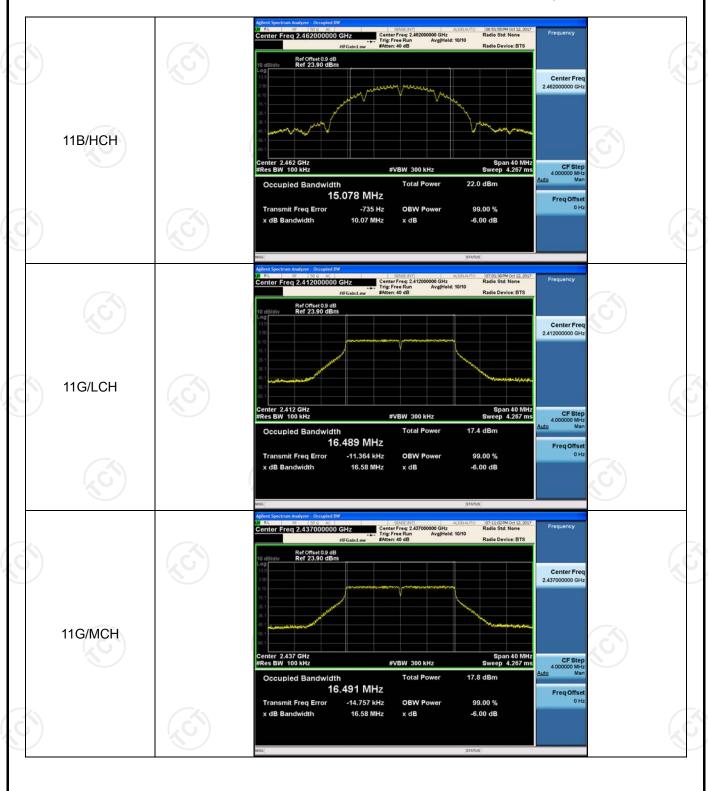
Result Table

Mode	Channel	6dB Bandwidth [MHz]	99% OBW [MHz]	Verdict
11B	LCH	10.05	14.956	PASS
11B	MCH	10.06	15.065	PASS
11B	HCH	10.07	15.078	PASS
11G	LCH	16.58	16.489	PASS
11G	MCH	16.58	16.491	PASS
11G	HCH	16.57	16.490	PASS
11N20SISO	LCH	17.81	17.701	PASS
11N20SISO	MCH	17.82	17.702	PASS
11N20SISO	HCH	17.80	17.693	PASS
11N40SISO	LCH	36.40	36.026	PASS
11N40SISO	MCH	36.39	36.025	PASS
11N40SISO	HCH	36.39	36.024	PASS

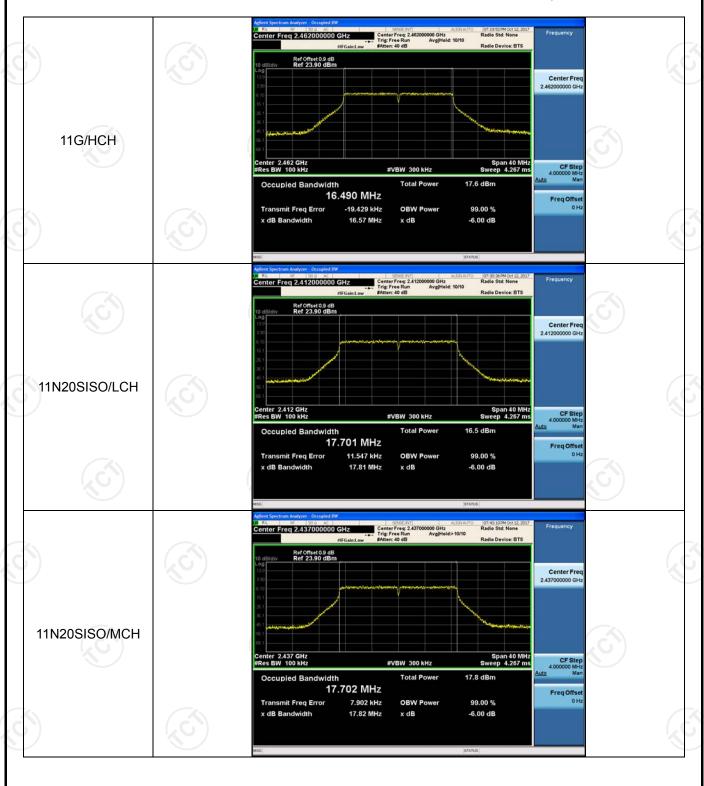
Test Graph



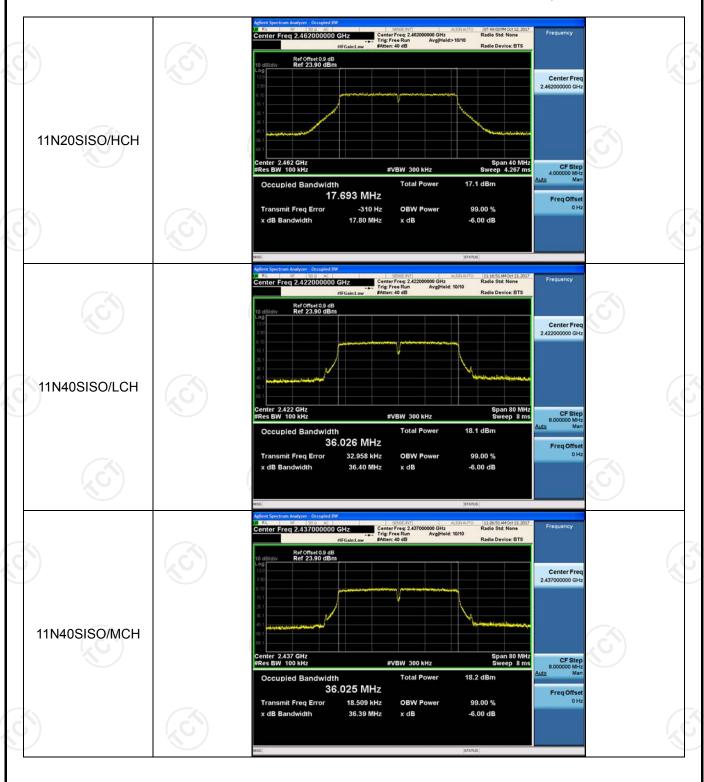


















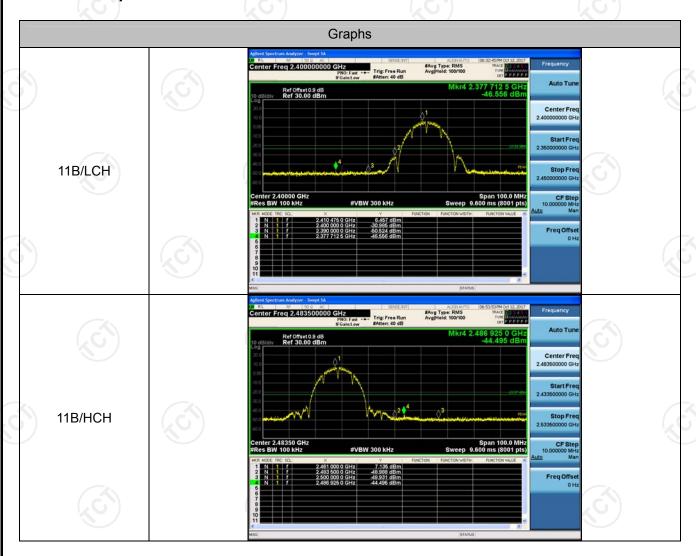


Band-edge for RF Conducted Emissions

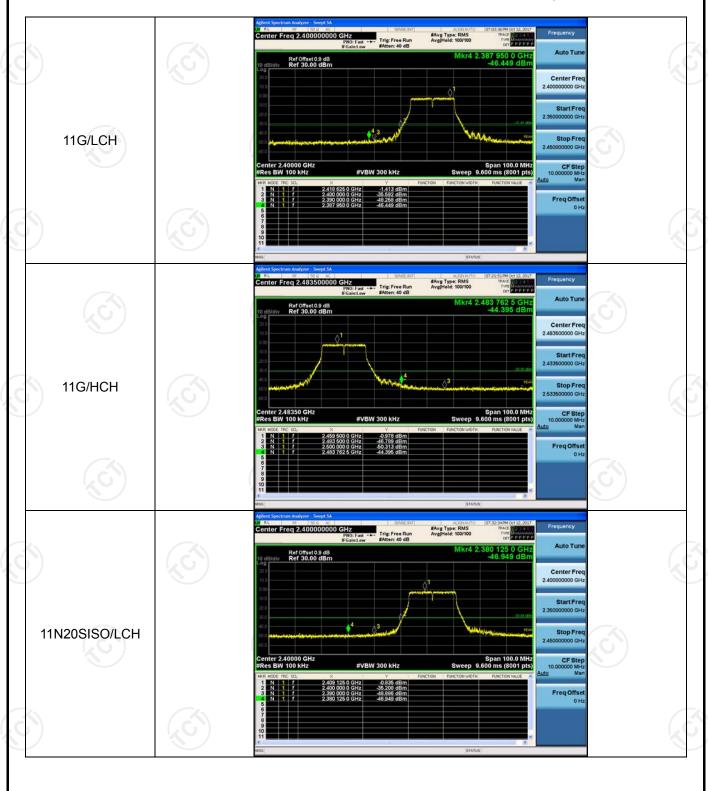
Result Table

Mode	Channel	Carrier Power [dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	6.457	-46.556	-23.54	PASS
11B	HCH	7.135	-44.495	-22.87	PASS
11G	LCH	-1.413	-46.449	-31.41	PASS
11G	HCH	-0.978	-44.395	-30.98	PASS
11N20SISO	LCH	-0.835	-46.949	-30.84	PASS
11N20SISO	HCH	-0.564	-44.038	-30.56	PASS
11N40SISO	LCH	-4.785	-46.489	-34.79	PASS
11N40SISO	HCH	-4.348	-41.150	-34.35	PASS

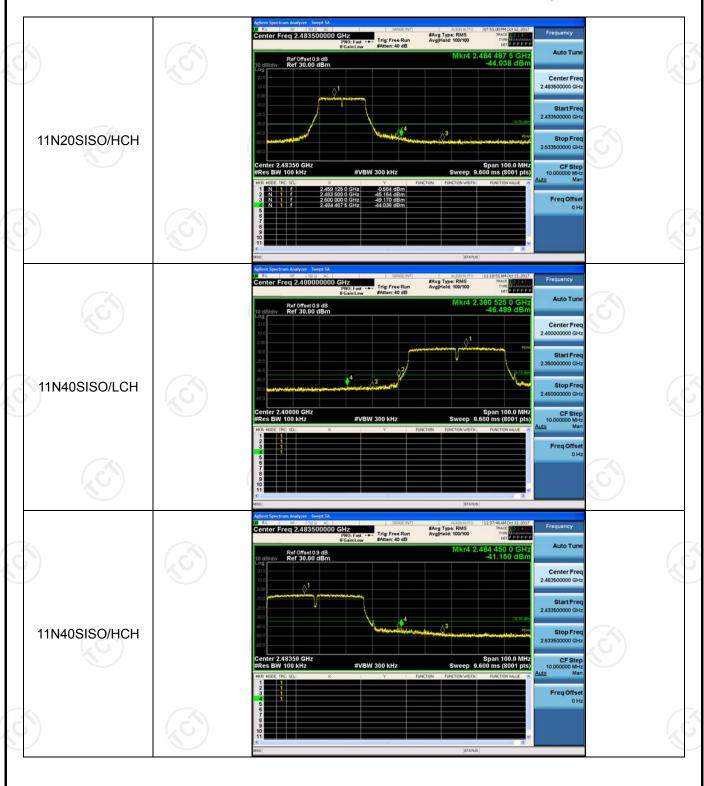
Test Graph















RF Conducted Spurious Emissions

Result Table

Mode	Channel	Pref [dBm]		Puw [dBm]	Verdict
11B	LCH	6.405		<limit< td=""><td>PASS</td></limit<>	PASS
11B	MCH	6.965	N O	<limit< td=""><td>PASS</td></limit<>	PASS
11B	HCH	7.148		<limit< td=""><td>PASS</td></limit<>	PASS
11G	LCH	-1.362		<limit< td=""><td>PASS</td></limit<>	PASS
11G	MCH	-1.221		<limit< td=""><td>PASS</td></limit<>	PASS
11G	HCH	-1.118		<limit< td=""><td>PASS</td></limit<>	PASS
11N20SISO	LCH	-1.386		<limit< td=""><td>PASS</td></limit<>	PASS
11N20SISO	MCH	-0.922		<limit< td=""><td>PASS</td></limit<>	PASS
11N20SISO	HCH	-1.119		<limit< td=""><td>PASS</td></limit<>	PASS
11N40SISO	LCH	-4.778		<limit< td=""><td>PASS</td></limit<>	PASS
11N40SISO	MCH	-3.947		<limit< td=""><td>PASS</td></limit<>	PASS
11N40SISO	HCH	-4.596	(.C)	<limit< td=""><td>PASS</td></limit<>	PASS

Test Graph





