Test Mode: 802.11b Test Channel: 11 100kHz PSD reference Level **Channel Plot** -50 dBm -60 dBm -70 dBm CF 2.462 GH Date: 1.JUN.2018 20:35:19 Date: 1.JUN.2018 20:42:29 Spurious Emission 30MHz~3GHz Spurious Emission 2GHz~25GHz Ref Level 14.00 dBm Att 10 dB Ref Level 14.00 dBm Att 10 dB M2[1] M2[1]

Date: 1.JUN.2018 20:42:49

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Date: 1.JUN.2018 20:42:41

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Test Mode: 802.11g Test Channel: 01 100kHz PSD reference Level **Channel Plot** 5.24 dBr 2.4169880 GH الوادان الوادا ال 01 -14.76 -50 dBm -50 dBm -60 dBm -60 dBm -70 dBm CF 2.412 GH Date: 1.JUN.2018 21:08:44 Spurious Emission 30MHz~3GHz Spurious Emission 2GHz~25GHz Ref Level 14.00 dBm Att 10 dB Ref Level 14.00 dBm Att 10 dB M2[1] M2[1] -10 dBm

Date: 1.JUN.2018 21:11:09

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ate: 1.JUN.2018 21:11:01

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Test Mode: 802.11g Test Channel: 06 100kHz PSD reference Level **Channel Plot** -39 dsm -50 dBm -70 dBm CF 2.437 GH Date: 1.JUN.2018 21:20:44 Spurious Emission 30MHz~3GHz Spurious Emission 2GHz~25GHz Ref Level 14.00 dBm Att 10 dB Ref Level 14.00 dBm Att 10 dB M2[1] M2[1]

ate: 1.JUN.2018 21:21:02

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ate: 1.JUN.2018 21:20:54

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Test Mode: 802.11g Test Channel: 11 100kHz PSD reference Level **Channel Plot** 4.16 dBn 2.4569650 GH -49.57 dB 2.484820 GI -50 dBm -70 dBm CF 2.462 GH Date: 1.JUN.2018 21:29:49 Date: 1.JUN.2018 21:30:43 Spurious Emission 30MHz~3GHz Spurious Emission 2GHz~25GHz Ref Level 14.00 dBm Att 10 dB Ref Level 14.00 dBm Att 10 dB M2[1] M2[1]

Date: 1.JUN.2018 21:31:07

ate: 1.JUN.2018 21:30:58

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Test Mode: 802.11n HT20 Test Channel: 01 100kHz PSD reference Level **Channel Plot** Ref Level 20.00 .00 dB **© RBW** 100 kHz 1 ms **© VBW** 300 kHz **Mode** Sweep Ref Level 20.00 -20 dBm -30,d8m -40 dBm ate: 1.JUN.2018 21:41:08 ate: 1.JUN.2018 21:41:29 Spurious Emission 30MHz~3GHz Spurious Emission 2GHz~25GHz M2[1] 1 -15.040

Date: 1.JUN.2018 21:41:47

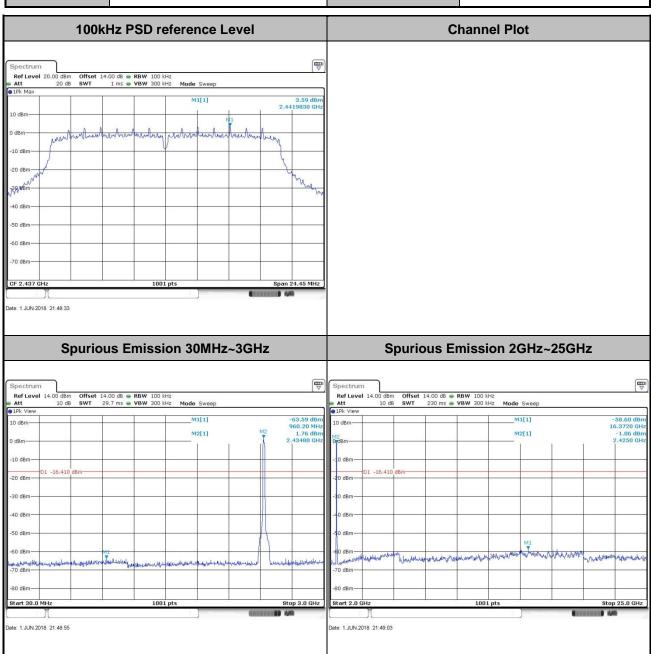
-50 dBm

80 dBm

Date: 1.JUN.2018 21:41:39

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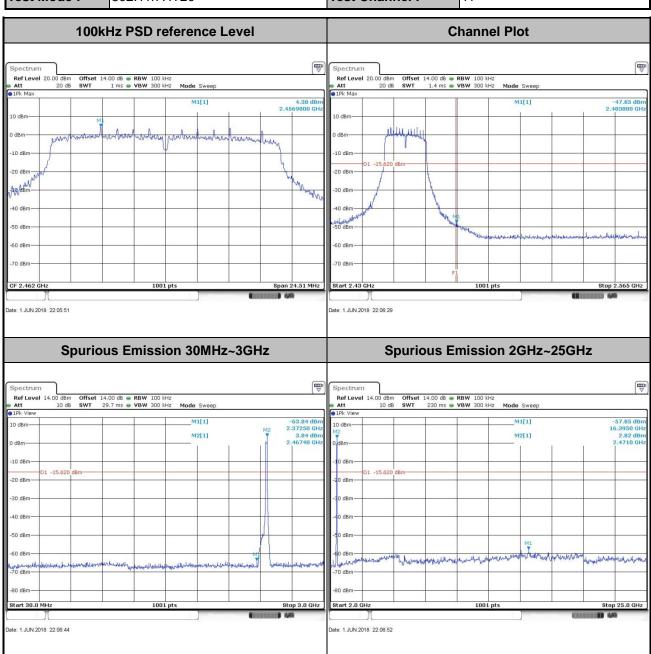
Test Mode: 802.11n HT20 Test Channel: 06



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Test Mode: 802.11n HT20 Test Channel: 11

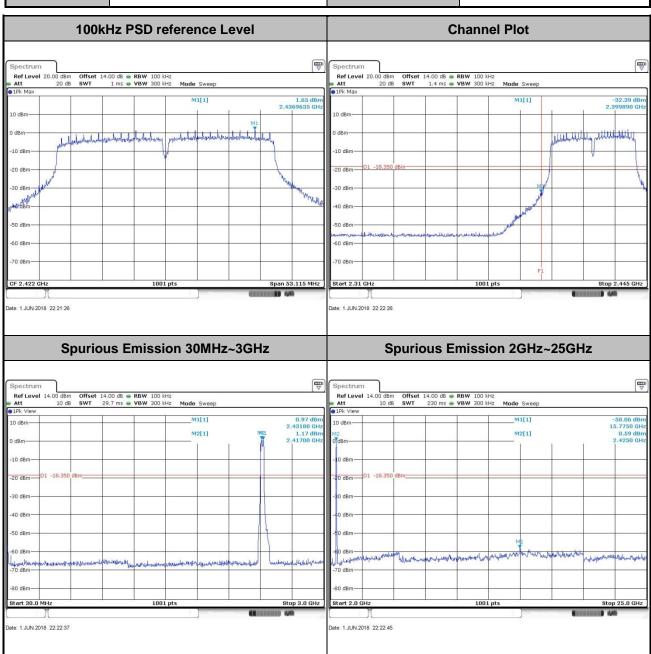


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Test Mode: 802.11n HT40 Test Channel: 03

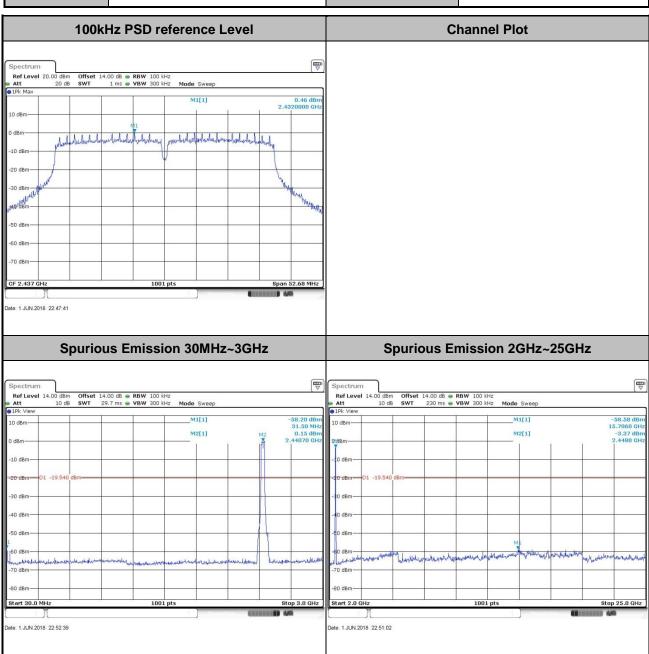


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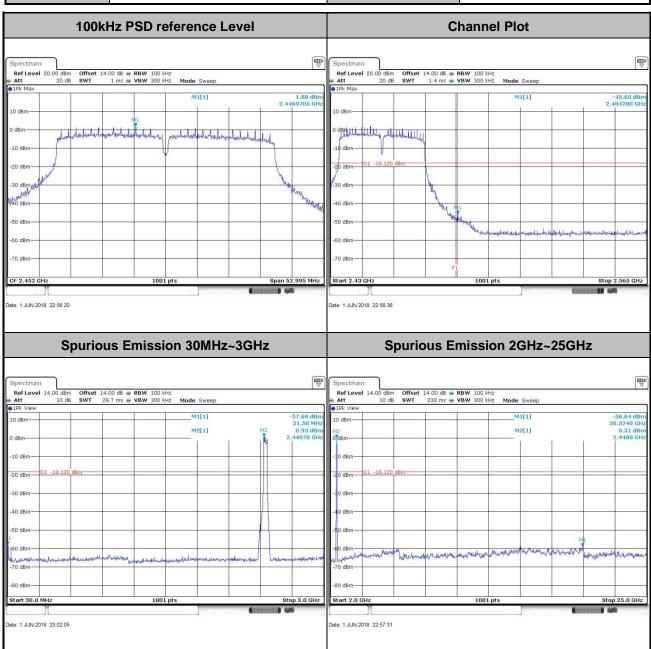
**Test Mode**: 802.11n HT40 **Test Channel**: 06



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Test Mode: 802.11n HT40 Test Channel: 09



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### 3.5 Radiated Band Edges and Spurious Emission Measurement

### 3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Field Strength	Measurement Distance
(microvolts/meter)	(meters)
2400/F(kHz)	300
24000/F(kHz)	30
30	30
100	3
150	3
200	3
500	3
	2400/F(kHz) 24000/F(kHz) 30 100 150 200

### 3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

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#### 3.5.3 Test Procedures

- The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04.
- 2. 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.
- 3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level
- For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
- 7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 8. 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  $f \ge 1$  GHz 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.

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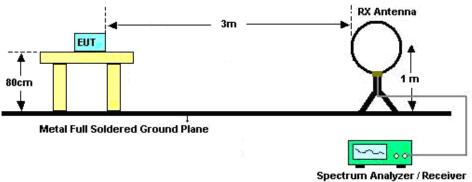
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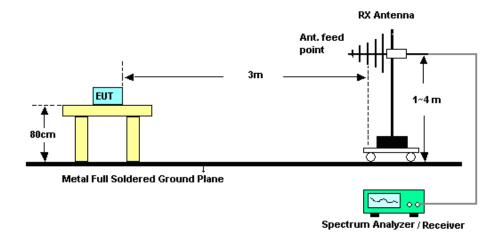
### 3.5.4 Test Setup

### For radiated emissions below 30MHz

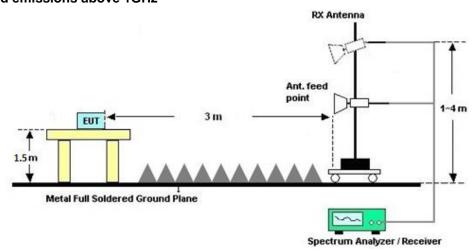


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#### For radiated emissions from 30MHz to 1GHz



### For radiated emissions above 1GHz



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### 3.5.5 Test Results of Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

### 3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

### 3.5.7 Duty Cycle

Please refer to Appendix D.

### 3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10<sup>th</sup> Harmonic)

Please refer to Appendix C.

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### 3.6 AC Conducted Emission Measurement

### 3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission	Conducted Limit (dΒμV)					
(MHz)	Quasi-Peak	Average				
0.15-0.5	66 to 56*	56 to 46*				
0.5-5	56	46				
5-30	60	50				

<sup>\*</sup>Decreases with the logarithm of the frequency.

### 3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

#### 3.6.3 Test Procedures

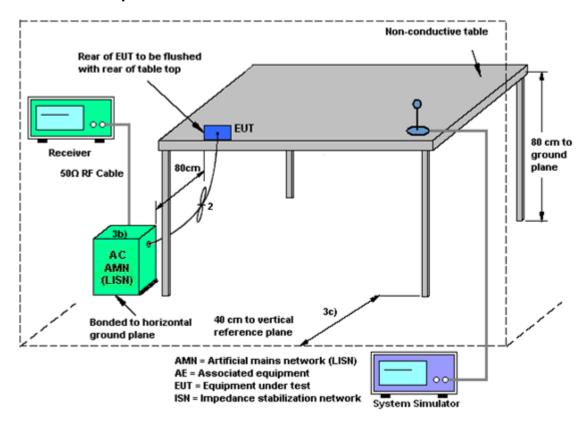
- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

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### 3.6.4 Test Setup



### 3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

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### 3.7 Antenna Requirements

### 3.7.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached Antenna or of an Antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

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### 3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used. (For Internal PCB Antenna)

A non-standard SMA connector antenna is used. (For External PCB Antenna)

#### 3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain =  $G_{ANT}$  + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain =  $10 \log(N_{ANT}/N_{SS}=1) dB$ .

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for  $N_{ANT} \le 4$ .

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain  $G_{ANT}$  is set equal to the antenna having the highest gain, i.e., F(2)f(i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 1	Ant. 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
2.4 GHz	4.40	4.40	4.40	7.41	0.00	1.41

 $PSD \ Limit \ Reduction = DG(PSD) - 6dBi = 1.41dB$ 

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### 4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	9kHz~40GHz	Apr. 19, 2018	May 31, 2018~ Jun. 01, 2018	Apr. 18, 2019	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1207253	30MHz~40GHz	Dec. 26, 2017	May 31, 2018~ Jun. 01, 2018	Dec. 25, 2018	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Dec. 26, 2017	May 31, 2018~ Jun. 01, 2018	Dec. 25, 2018	Conducted (TH01-SZ)
Spectrum Analyzer	R&S	FSV40	101041	10kHz~40GHz; Max 30dBm	Oct. 19, 2017	May 29, 2018	Oct. 18, 2018	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	May 14, 2018	May 29, 2018	May 13, 2019	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	May 10, 2018	May 29, 2018	May 09, 2019	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	SCHWARZBE CK	BBHA 9120D	9120D-128 5	1GHz~18GHz	Dec. 13, 2017	May 29, 2018	Dec. 12, 2018	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Jun. 16, 2017	May 29, 2018	Jun. 15, 2018	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct.19, 2017	May 29, 2018	Oct 18, 2018	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	AMF-7D-0010 1800-30-10P- R	1707137	1GHz~18GHz	Oct.19, 2017	May 29, 2018	Oct 18, 2018	Radiation (03CH02-SZ)
Amplifier	Agilent	8449B	3008A010 23	1GHz~26.5GHz	Oct.19, 2017	May 29, 2018	Oct 18, 2018	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35- HG	1871923	18GHz~40GHz	Jul. 21, 2017	May 29, 2018	Jul. 20, 2018	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010002 470	N/A	NCR	May 29, 2018	NCR	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	May 29, 2018	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	May 29, 2018	NCR	Radiation (03CH02-SZ)
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Dec. 26, 2017	May 30, 2018	Dec. 25, 2018	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103912	9kHz~30MHz	Dec. 26, 2017	May 30, 2018	Dec. 25, 2018	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	MessTec	3816/2SH	00103892	9kHz~30MHz	Nov. 01, 2017	May 30, 2018	Oct. 31, 2018	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000 891	100Vac~250Vac	Jul. 19, 2017	May 30, 2018	Jul. 18, 2018	Conduction (CO01-SZ)

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### 5 Uncertainty of Evaluation

### **Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)**

1	Massuring Uncortainty for a Loyal of Confidence	
	Measuring Uncertainty for a Level of Confidence	2.6dB
	of 95% (U = 2Uc(y))	2.002

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence	5.1dB
of 95% (U = 2Uc(y))	0.14.2

### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence	5.0dB
of 95% (U = 2Uc(y))	3.0GB

### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence	4.4dB
of 95% (U = 2Uc(y))	4.400

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### Appendix A. Conducted test results

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Test Engineer:	Wilson Chen	Temperature:	24~26	°C
Test Date:	2018/5/31~2018/6/1	Relative Humidity:	51~53	%

### TEST RESULTS DATA 6dB and 99% Occupied Bandwidth

	2.4GHz Band														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occ (M	upied BW Hz)		BW Hz)	6dB BW Limit (MHz)	Pass/Fail					
					Ant 1	Ant 2	Ant 1	Ant 2							
11b	1Mbps	2	1	2412	13.34	13.34	8.05	8.05	0.50	Pass					
11b	1Mbps	2	6	2437	13.54	13.29	8.07	8.07	0.50	Pass					
11b	1Mbps	2	11	2462	13.39	13.84	8.05	8.05	0.50	Pass					
11g	6Mbps	2	1	2412	17.08	17.18	15.62	15.70	0.50	Pass					
11g	6Mbps	2	6	2437	17.18	17.13	16.02	15.98	0.50	Pass					
11g	6Mbps	2	11	2462	17.18	17.13	15.92	15.70	0.50	Pass					
HT20	MCS0	2	1	2412	17.93	18.13	16.30	16.04	0.50	Pass					
HT20	MCS0	2	6	2437	17.98	18.18	16.50	16.30	0.50	Pass					
HT20	MCS0	2	11	2462	18.08	18.18	15.98	16.34	0.50	Pass					
HT40	MCS0	2	3	2422	36.36	36.36	35.05	35.41	0.50	Pass					
HT40	MCS0	2	6	2437	36.36	36.26	35.13	35.13	0.50	Pass					
HT40	MCS0	2	9	2452	36.46	36.26	35.33	35.33	0.50	Pass					

## TEST RESULTS DATA Peak Output Power

	2.4GHz Band																			
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	C	Peak Conducted Power (dBm)		Conducted Power Limit (dBm)		D (dl	G Bi)	EII Pov (dB	wer	EII Por Lir (dE	wer nit	Pass /Fail				
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2					
11b	1Mbps	2	1	2412	20.23	21.10	23.70	30.00		30.00		30.00		4.2	20	27.	.90	36	.00	Pass
11b	1Mbps	2	6	2437	18.04	19.00	21.56	30	30.00		4.20		25.76		36.00					
11b	1Mbps	2	11	2462	19.68	20.81	23.29	30	30.00		4.20		4.20 27.49		36	.00	Pass			
11g	6Mbps	2	1	2412	19.58	20.78	23.23	30	.00	4.20		27.	.43	36	.00	Pass				
11g	6Mbps	2	6	2437	18.42	19.70	22.12	30	.00	4.20		26.	.32	36.	.00	Pass				
11g	6Mbps	2	11	2462	19.30	20.58	23.00	30	30.00 4.20		20	27.	.20	36	.00	Pass				
HT20	MCS0	2	1	2412	19.88	20.72	23.33	30.00		4.2	20	27.	.53	36	.00	Pass				
HT20	MCS0	2	6	2437	18.98	19.53	22.27	30	30.00		20	26.	.47	36.	.00	Pass				
HT20	MCS0	2	11	2462	19.40	20.69	23.10	30	30.00		20	27.	.30	36	.00	Pass				
HT40	MCS0	2	3	2422	20.66	21.50	24.11	30	30.00		20	28.	.31	36	.00	Pass				
HT40	MCS0	2	6	2437	19.56	20.53	23.08	30	30.00		30.00		30.00 4.20		4.20 27.28		36.	.00	Pass	
HT40	MCS0	2	9	2452	20.41	21.52	24.01	30	.00	4.2	20	28.	.21	36	.00	Pass				

Note: Measured power (dBm) has offset with cable loss.

# TEST RESULTS DATA Average Output Power

	2.4GHz Band														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)			Average Conducte Power (dBm)							
					Ant 1	Ant 2	Ant 1	Ant 2	SUM						
11b	1Mbps	2	1	2412	0.03	0.03	17.62	18.63	21.16						
11b	1Mbps	2	6	2437	0.03	0.03	15.46	16.43	18.98						
11b	1Mbps	2	11	2462	0.03	0.03 0.03		18.41	20.86						
11g	6Mbps	2	1	2412	0.22	0.22	13.44	14.67	17.11						
11g	6Mbps	2	6	2437	0.22	0.22	12.32	13.44	15.93						
11g	6Mbps	2	11	2462	0.22	0.22	13.15	14.42	16.84						
HT20	MCS0	2	1	2412	0.24	0.24	13.40	14.52	17.00						
HT20	MCS0	2	6	2437	0.24	0.24	12.39	13.32	15.89						
HT20	MCS0	2	11	2462	0.24	0.24	12.94	14.30	16.68						
HT40	MCS0	2	3	2422	0.42	0.42 0.43		14.78	17.32						
HT40	MCS0	2	6	2437	0.42	0.43	12.64	13.78	16.26						
HT40	MCS0	2	9	2452	0.42	0.43	13.55	14.81	17.24						

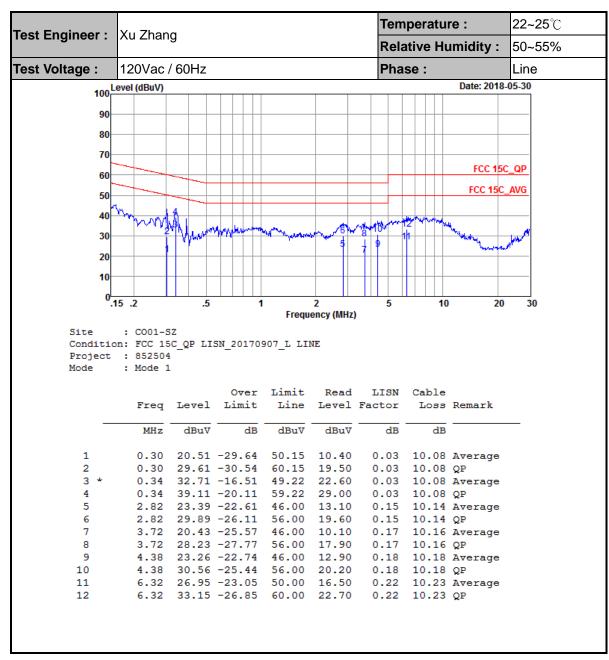
Note: Measured power (dBm) has offset with cable loss.

### <u>TEST RESULTS DATA</u> <u>Peak Power Spectral Density</u>

						:	2.4GHz Band	i				
Mod.	Data Rate	NTX	CH.	Freq.		Peak PSD (dBm/3kHz)			G Bi)	Liı	PSD mit /3kHz)	Pass/Fail
	Nate			(1011 12)	Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
11b	1Mbps	2	1	2412	-7.80			7.4	41	6.	59	Pass
11b	1Mbps	2	6	2437	-9.62			7.4	41	6.	59	Pass
11b	1Mbps	2	11	2462	-9.84	-7.08	-4.07	7.4	41	6.	59	Pass
11g	6Mbps	2	1	2412	-14.72	-11.79	-8.78	7.4	41	6.	59	Pass
11g	6Mbps	2	6	2437	-15.69	-13.66	-10.65	7.4	41	6.	59	Pass
11g	6Mbps	2	11	2462	-15.46	-11.64	-8.63	7.4	41	6.	59	Pass
HT20	MCS0	2	1	2412	-14.42	-11.62	-8.61	7.4	41	6.	59	Pass
HT20	MCS0	2	6	2437	-15.80	-13.06	-10.05	7.4	41	6.	59	Pass
HT20	MCS0	2	11	2462	-14.38	-11.44	-8.43	7.4	41	6.	59	Pass
HT40	MCS0	2	3	2422	-17.21	-13.52	-10.51	7.4	41	6.	59	Pass
HT40	MCS0	2	6	2437	-16.83	-16.09	-13.08	7.4	41	6.	59	Pass
HT40	MCS0	2	9	2452	-17.14	-14.71	-11.70	7.4	41	6.	59	Pass

Measured power density (dBm) has offset with cable loss.

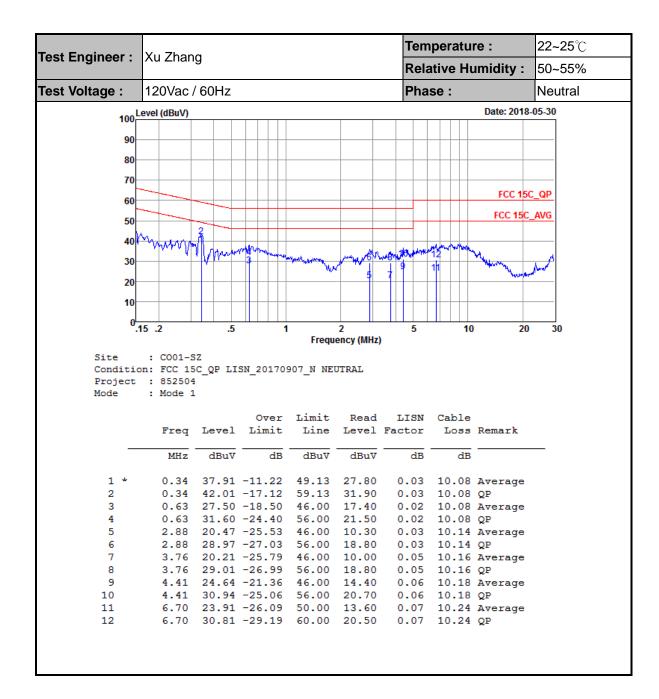
### **Appendix B. AC Conducted Emission Test Results**



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### Appendix C. Radiated Spurious Emission

### 2.4GHz 2400~2483.5MHz

### WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	( dBµV/m )	(dB)	( dBµV/m )	(dBµV)	( dB/m )	(dB)	( dB )	( cm )	(deg)	(P/A)	(H/V)
		2389.91	49.05	-24.95	74	46.59	27.09	6.65	31.28	150	28	Р	Н
		2389.91	36.92	-17.08	54	34.46	27.09	6.65	31.28	150	28	Α	Н
000 446	*	2412	104.21	-	-	101.67	27.14	6.66	31.26	150	28	Р	Н
802.11b CH 01	*	2412	99.72	1	-	97.18	27.14	6.66	31.26	150	28	Α	Н
2412MHz		2389.38	53.44	-20.56	74	50.98	27.09	6.65	31.28	160	30	Р	V
2412141112		2390	41.57	-12.43	54	39.11	27.09	6.65	31.28	160	30	Α	V
	*	2412	114.56	1	-	112.02	27.14	6.66	31.26	160	30	Р	V
	*	2412	110.22	1	-	107.68	27.14	6.66	31.26	160	30	Α	V
		2313.08	48.26	-25.74	74	46.27	26.83	6.51	31.35	150	28	Р	Н
		2389.24	35.77	-18.23	54	33.31	27.09	6.65	31.28	150	28	Α	Н
	*	2437	92.87	-	-	90.26	27.24	6.63	31.26	150	28	Р	Н
	*	2437	88.83	-	-	86.22	27.24	6.63	31.26	150	28	Α	Н
		2499.51	48.5	-25.5	74	45.72	27.4	6.58	31.2	150	28	Р	Н
802.11b		2488.94	36.2	-17.8	54	33.44	27.4	6.58	31.22	150	28	Α	Н
CH 06 2437MHz		2389.94	50.81	-23.19	74	48.35	27.09	6.65	31.28	150	108	Р	V
2437 WIF12		2389.1	39.9	-14.1	54	37.44	27.09	6.65	31.28	150	108	Α	V
	*	2437	110.07	-	-	107.46	27.24	6.63	31.26	150	108	Р	٧
	*	2437	105.8	-	-	103.19	27.24	6.63	31.26	150	108	Α	V
		2483.62	53.3	-20.7	74	50.59	27.35	6.58	31.22	150	108	Р	V
		2483.55	41.53	-12.47	54	38.82	27.35	6.58	31.22	150	108	Α	V

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	*	2462	104.04	-	-	101.37	27.3	6.61	31.24	150	28	Р	Н
	*	2462	99.39	-	-	96.72	27.3	6.61	31.24	150	28	Α	Н
		2485.2	51.37	-22.63	74	48.66	27.35	6.58	31.22	150	28	Р	Н
802.11b		2483.52	37.74	-16.26	54	35.03	27.35	6.58	31.22	150	28	Α	Н
CH 11 2462MHz	*	2462	114.8	-	-	112.13	27.3	6.61	31.24	150	108	Р	V
2402WITI2	*	2462	110.66	-	-	107.99	27.3	6.61	31.24	150	108	Α	<b>V</b>
		2484.36	55.49	-18.51	74	52.78	27.35	6.58	31.22	150	108	Р	<b>V</b>
		2483.52	43.65	-10.35	54	40.94	27.35	6.58	31.22	150	108	Α	V

### Remark

1. No other spurious found.

2. All results are PASS against Peak and Average limit line.

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### 2.4GHz 2400~2483.5MHz

### WIFI 802.11b (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		( MHz )	( dBµV/m )	Limit (dB)	Line ( dBµV/m )	Level ( dBµV )	Factor ( dB/m )	Loss (dB)	Factor (dB)	Pos ( cm )		Avg. (P/A)	
802.11b CH 01		4824	42.07	-31.93	74	59.4	31.42	9.44	58.19	185	255	Р	Н
2412MHz		4824	44.03	-29.97	74	61.36	31.42	9.44	58.19	185	255	Р	V
		4874	41.69	-32.31	74	58.88	31.51	9.4	58.1	165	106	Р	Н
802.11b		7311	48.42	-25.58	74	57.98	36.36	12	57.92	174	100	Р	Н
CH 06		4874	42.53	-31.47	74	59.72	31.51	9.4	58.1	165	106	Р	V
2437MHz		7311	49.4	-24.6	74	58.96	36.36	12	57.92	174	100	Р	٧
		4924	41.99	-32.01	74	58.99	31.59	9.43	58.02	150	285	Р	Н
802.11b		7386	49.11	-24.89	74	58.1	36.65	12.01	57.65	155	274	Р	Н
CH 11		4924	45.22	-28.78	74	62.22	31.59	9.43	58.02	150	285	Р	V
2462MHz		7386	48.78	-25.22	74	57.77	36.65	12.01	57.65	155	274	Р	V

### Remark

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<sup>1.</sup> No other spurious found.

<sup>2.</sup> All results are PASS against Peak and Average limit line.

### 2.4GHz 2400~2483.5MHz WIFI 802.11g (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	( dBµV/m )	(dB <sub>µ</sub> V)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
		2389.91	49.66	-24.34	74	47.2	27.09	6.65	31.28	150	28	Р	Н
		2389.91	38.07	-15.93	54	35.61	27.09	6.65	31.28	150	28	Α	Н
000 44 =	*	2412	101.23	-	-	98.69	27.14	6.66	31.26	150	28	Р	Н
802.11g CH 01	*	2412	92.24	-	-	89.7	27.14	6.66	31.26	150	28	Α	Н
2412MHz		2388.86	57.88	-16.12	74	55.42	27.09	6.65	31.28	150	247	Р	٧
2412111112		2389.59	44.01	-9.99	54	41.55	27.09	6.65	31.28	150	247	Α	V
	*	2412	110.27	1	-	107.73	27.14	6.66	31.26	150	247	Р	V
	*	2412	101.93	-	-	99.39	27.14	6.66	31.26	150	247	Α	V
		2366	48.18	-25.82	74	45.89	26.99	6.61	31.31	150	28	Р	Н
		2365.44	36.25	-17.75	54	33.96	26.99	6.61	31.31	150	28	Α	Н
	*	2437	91.01	-	-	88.4	27.24	6.63	31.26	150	28	Р	Н
	*	2437	81.43	-	-	78.82	27.24	6.63	31.26	150	28	Α	Н
		2496.57	48.48	-25.52	74	45.7	27.4	6.58	31.2	150	28	Р	Н
802.11g		2489.01	36.74	-17.26	54	33.96	27.4	6.58	31.2	150	28	Α	Н
CH 06 2437MHz		2389.24	49.51	-24.49	74	47.05	27.09	6.65	31.28	150	42	Р	٧
2437 WIF12		2389.24	38.69	-15.31	54	36.23	27.09	6.65	31.28	150	42	Α	٧
	*	2437	107.34	-	-	104.73	27.24	6.63	31.26	150	42	Р	٧
	*	2437	97.42	-	-	94.81	27.24	6.63	31.26	150	42	Α	V
		2484.25	53.68	-20.32	74	50.97	27.35	6.58	31.22	150	42	Р	V
		2483.97	42.52	-11.48	54	39.81	27.35	6.58	31.22	150	42	Α	V

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	*	2462	100.66	-	-	97.99	27.3	6.61	31.24	150	28	Р	Н
	*	2462	91.42	-	-	88.75	27.3	6.61	31.24	150	28	Α	Н
		2484.12	52.24	-21.76	74	49.53	27.35	6.58	31.22	150	28	Р	Н
802.11g		2483.56	39.33	-14.67	54	36.62	27.35	6.58	31.22	150	28	Α	Н
CH 11 2462MHz	*	2462	110.54	-	-	107.87	27.3	6.61	31.24	150	247	Р	V
2402141712	*	2462	101.38	1	ı	98.71	27.3	6.61	31.24	150	247	Α	V
		2483.56	59.2	-14.8	74	56.49	27.35	6.58	31.22	150	247	Р	V
		2483.52	46.05	-7.95	54	43.34	27.35	6.58	31.22	150	247	Α	V
Remark		o other spurio Il results are P		st Peak	and Avera	ae limit lin	e.						

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### 2.4GHz 2400~2483.5MHz

### WIFI 802.11g (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		( MHz )	( dBµV/m )	Limit (dB)	Line ( dBµV/m )	Level ( dBµV )	Factor ( dB/m )	Loss (dB)	Factor (dB)	Pos ( cm )		Avg. (P/A)	
802.11g		4824	42.84	-31.16	74	60.17	31.42	9.44	58.19	185	255	Р	Н
CH 01 2412MHz		4824	42.18	-31.82	74	59.51	31.42	9.44	58.19	185	255	Р	V
		4874	43.42	-30.58	74	60.61	31.51	9.4	58.1	165	106	Р	Н
802.11g		7311	49.23	-24.77	74	58.79	36.36	12	57.92	174	100	Р	Н
CH 06 2437MHz		4874	42.43	-31.57	74	59.62	31.51	9.4	58.1	165	106	Р	V
2437 WITIZ		7311	49.39	-24.61	74	58.95	36.36	12	57.92	174	100	Р	V
		4924	42.59	-31.41	74	59.59	31.59	9.43	58.02	150	285	Р	Н
802.11g		7386	49	-25	74	57.99	36.65	12.01	57.65	155	274	Р	Н
CH 11 2462MHz		4924	41.82	-32.18	74	58.82	31.59	9.43	58.02	150	285	Р	V
Z40ZIVIFIZ		7386	49.05	-24.95	74	58.04	36.65	12.01	57.65	155	274	Р	V

### Remark

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<sup>1.</sup> No other spurious found.

<sup>2.</sup> All results are PASS against Peak and Average limit line.

### 2.4GHz 2400~2483.5MHz WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos		Avg.	
1+2		(MHz)	( dBµV/m )	(dB)	( dBµV/m )	(dBµV)	( dB/m )	(dB)	(dB)	(cm)		(P/A)	
		2389.17	48.33	-25.67	74	45.87	27.09	6.65	31.28	150	237	Р	Н
		2389.59	37.69	-16.31	54	35.23	27.09	6.65	31.28	150	237	Α	Н
802.11n	*	2412	102.11	1	-	99.57	27.14	6.66	31.26	150	237	Р	Н
HT20	*	2412	92.98	-	-	90.44	27.14	6.66	31.26	150	237	Α	Н
CH 01		2389.17	58.31	-15.69	74	55.85	27.09	6.65	31.28	150	109	Р	٧
2412MHz		2389.91	44.67	-9.33	54	42.21	27.09	6.65	31.28	150	109	Α	٧
	*	2412	109.4	-	-	106.86	27.14	6.66	31.26	150	109	Р	٧
	*	2412	99.84	-	-	97.3	27.14	6.66	31.26	150	109	Α	٧
		2353.4	48.33	-25.67	74	46.09	26.99	6.58	31.33	150	237	Р	Н
		2389.38	36.63	-17.37	54	34.17	27.09	6.65	31.28	150	237	Α	Н
	*	2437	96.11	-	-	93.5	27.24	6.63	31.26	150	237	Р	Н
	*	2437	86.78	-	-	84.17	27.24	6.63	31.26	150	237	Α	Н
802.11n		2484.6	48.36	-25.64	74	45.65	27.35	6.58	31.22	150	237	Р	Н
HT20		2483.9	37.23	-16.77	54	34.52	27.35	6.58	31.22	150	237	Α	Н
CH 06		2389.38	51.49	-22.51	74	49.03	27.09	6.65	31.28	150	109	Р	٧
2437MHz		2389.1	40.02	-13.98	54	37.56	27.09	6.65	31.28	150	109	Α	٧
	*	2437	106.9	-	-	104.29	27.24	6.63	31.26	150	109	Р	٧
	*	2437	97	-	-	94.39	27.24	6.63	31.26	150	109	Α	٧
		2484.46	53.85	-20.15	74	51.14	27.35	6.58	31.22	150	109	Р	٧
		2483.5	41.93	-12.07	54	39.22	27.35	6.58	31.22	150	109	Α	٧

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	*	2462	102.18	-	-	99.51	27.3	6.61	31.24	150	237	Р	Н
	*	2462	92.84	-	-	90.17	27.3	6.61	31.24	150	237	Α	Н
802.11n		2483.68	51.27	-22.73	74	48.56	27.35	6.58	31.22	150	237	Р	Н
HT20		2483.52	39.89	-14.11	54	37.18	27.35	6.58	31.22	150	237	Α	Н
CH 11	*	2462	109.87	-	-	107.2	27.3	6.61	31.24	150	109	Р	V
2462MHz	*	2462	100.87	-	-	98.2	27.3	6.61	31.24	150	109	Α	V
		2484.32	56.66	-17.34	74	53.95	27.35	6.58	31.22	150	109	Р	V
		2483.88	43.98	-10.02	54	41.27	27.35	6.58	31.22	150	109	Α	V

### Remark

1. No other spurious found.

2. All results are PASS against Peak and Average limit line.

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### 2.4GHz 2400~2483.5MHz

### WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	$(dB\mu V/m)$	(dB)	( dBµV/m )	( $dB\mu V$ )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11n		4824	42.35	-31.65	74	59.68	31.42	9.44	58.19	185	255	Р	Н
HT20		4024	42.00	-31.03	74	39.00	31.42	3.44	30.19	100	200	Į.	11
CH 01		4824	42.05	-31.95	74	59.38	31.42	9.44	58.19	185	255	Р	V
2412MHz		4024	42.00	-51.95	74	39.30	31.42	3.44	30.19	100	200		V
802.11n		4874	41.8	-32.2	74	58.99	31.51	9.4	58.1	165	106	Р	Н
HT20		7311	48.9	-25.1	74	58.46	36.36	12	57.92	174	100	Р	Н
CH 06		4874	42.9	-31.1	74	60.09	31.51	9.4	58.1	165	106	Р	V
2437MHz		7311	48.79	-25.21	74	58.35	36.36	12	57.92	174	100	Р	V
802.11n		4924	41.32	-32.68	74	58.32	31.59	9.43	58.02	150	285	Р	Н
HT20		7386	48.72	-25.28	74	57.71	36.65	12.01	57.65	155	274	Р	Н
CH 11		4924	42.41	-31.59	74	59.41	31.59	9.43	58.02	150	285	Р	V
2462MHz		7386	48.29	-25.71	74	57.28	36.65	12.01	57.65	155	274	Р	V

### Remark

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<sup>1.</sup> No other spurious found.

<sup>2.</sup> All results are PASS against Peak and Average limit line.

### 2.4GHz 2400~2483.5MHz WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		/ MU- )	( dBu\//m \	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	(44)
1+2		( MHz ) 2389.66	( dBµV/m ) 53.76	(dB) -20.24	( dBµV/m )	51.3	(dB/m) 27.09	(dB) 6.65	(dB) 31.28	( <b>cm</b> )	( deg ) 233	(P/A)	( <b>m/v)</b> H
	*	2389.8	42.66	-11.34	54	40.2	27.09	6.65	31.28	150	233	A	H
		2422	100.8	-	-	98.21	27.19	6.66	31.26	150	233	Р	Н
	*	2422	90.75	-	-	88.16	27.19	6.66	31.26	150	233	Α	Н
802.11n		2485.79	53.96	-20.04	74	51.25	27.35	6.58	31.22	150	233	Р	Н
HT40		2486	38.38	-15.62	54	35.67	27.35	6.58	31.22	150	233	Α	Н
CH 03		2388.54	65.4	-8.6	74	62.94	27.09	6.65	31.28	150	108	Р	V
2422MHz		2389.94	49.94	-4.06	54	47.48	27.09	6.65	31.28	150	108	Α	V
	*	2422	110.21	-	-	107.62	27.19	6.66	31.26	150	108	Р	V
	*	2422	100.09	-	-	97.5	27.19	6.66	31.26	150	108	Α	V
		2484.88	62.91	-11.09	74	60.2	27.35	6.58	31.22	150	108	Р	V
		2483.5	43	-11	54	40.29	27.35	6.58	31.22	150	108	Α	V
		2353.4	49.19	-24.81	74	46.95	26.99	6.58	31.33	100	105	Р	Н
		2389.38	37.02	-16.98	54	34.56	27.09	6.65	31.28	100	105	Α	Н
	*	2437	101	-	-	98.39	27.24	6.63	31.26	100	105	Р	Н
	*	2437	91.61	-	-	89	27.24	6.63	31.26	100	105	Α	Н
802.11n		2483.5	53.3	-20.7	74	50.59	27.35	6.58	31.22	100	105	Р	Н
HT40		2483.9	37.66	-16.34	54	34.95	27.35	6.58	31.22	100	105	Α	Н
CH 06		2389.8	61.41	-12.59	74	58.95	27.09	6.65	31.28	100	94	Р	V
2437MHz		2389.66	41.6	-12.4	54	39.14	27.09	6.65	31.28	100	94	Α	V
	*	2437	108.49	-	-	105.88	27.24	6.63	31.26	100	94	Р	V
	*	2437	100.96	-	-	98.35	27.24	6.63	31.26	100	94	Р	V
		2483.69	63.7	-10.3	74	60.99	27.35	6.58	31.22	100	94	Р	V
		2484.81	42.8	-11.2	54	40.09	27.35	6.58	31.22	100	94	Α	V

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		2389.8	55.75	-18.25	74	53.29	27.09	6.65	31.28	155	244	Р	Н
		2389.66	36.93	-17.07	54	34.47	27.09	6.65	31.28	155	244	Α	Н
	*	2452	98.91	-	-	96.3	27.24	6.61	31.24	155	244	Р	Н
	*	2452	89.43	-	-	86.82	27.24	6.61	31.24	155	244	Α	Н
802.11n		2484.81	62.06	-11.94	74	59.35	27.35	6.58	31.22	155	244	Р	Н
HT40		2483.69	41.05	-12.95	54	38.34	27.35	6.58	31.22	155	244	Α	Н
CH 09		2387.56	56.85	-17.15	74	54.39	27.09	6.65	31.28	150	42	Р	V
2452MHz		2389.66	39.74	-14.26	54	37.28	27.09	6.65	31.28	150	42	Α	V
	*	2452	109.98	-	-	107.37	27.24	6.61	31.24	150	42	Р	V
	*	2452	100.25	-	-	97.64	27.24	6.61	31.24	150	42	Α	V
		2485.23	69.15	-4.85	74	66.44	27.35	6.58	31.22	150	42	Р	V
		2483.55	51.6	-2.4	54	48.89	27.35	6.58	31.22	150	42	Α	V
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### Remark

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<sup>1.</sup> No other spurious found.

<sup>2.</sup> All results are PASS against Peak and Average limit line.

## 2.4GHz 2400~2483.5MHz

### WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant. 1+2		(MHz)	( dBµV/m )	Limit (dB)	Line ( dBµV/m )	Level ( dBµV )	Factor ( dB/m )	Loss (dB)	Factor (dB)	Pos ( cm )	Pos ( deg )	Avg. (P/A)	
802.11n		4844	42.19	-31.81	74	59.47	31.45	9.43	58.16	150	350	Р	Н
HT40		7266	48.6	-25.4	74	58.43	36.24	11.96	58.03	200	360	Р	Н
CH 03		4844	42.55	-31.45	74	59.83	31.45	9.43	58.16	150	350	Р	V
2422MHz		7266	48.35	-25.65	74	58.18	36.24	11.96	58.03	200	360	Р	V
802.11n		4874	42.22	-31.78	74	59.41	31.51	9.4	58.1	165	230	Р	Н
HT40		7311	48.91	-25.09	74	58.47	36.36	12	57.92	186	323	Р	Н
CH 06		4874	42.79	-31.21	74	59.98	31.51	9.4	58.1	165	230	Р	V
2437MHz		7311	47.96	-26.04	74	57.52	36.36	12	57.92	186	323	Р	V
802.11n		4904	41.97	-32.03	74	59.07	31.56	9.38	58.04	150	360	Р	Н
HT40		7356	48.45	-25.55	74	57.67	36.53	12.01	57.76	165	335	Р	Н
CH 09		4904	42.32	-31.68	74	59.42	31.56	9.38	58.04	150	360	Р	V
2452MHz		7356	49.13	-24.87	74	58.35	36.53	12.01	57.76	165	335	Р	V

### Remark

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<sup>1.</sup> No other spurious found.

<sup>2.</sup> All results are PASS against Peak and Average limit line.

#### 2.4GHz 2400~2483.5MHz

### **Emission below 1GHz**

### 2.4GHz WIFI 802.11n HT40 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	( dBµV/m )	(dBµV)	( dB/m )	(dB)	(dB)	( cm )	(deg)	(P/A)	(H/V)
		30	24.68	-15.32	40	31.5	24.9	0.25	31.97	-	-	Р	Н
		127.97	22.59	-20.91	43.5	35.49	17.54	1.18	31.62	-	•	Р	Н
		305.48	22.52	-23.48	46	32.31	19.55	1.88	31.22	-	•	Р	Н
		475.23	27.17	-18.83	46	32.58	23.48	2.37	31.26	-	-	Р	Н
2.4GHz		646.92	30.08	-15.92	46	32.28	26.22	2.81	31.23	-	1	Р	Н
802.11n		820.55	34.02	-11.98	46	33.33	28.66	3.2	31.17	100	38	Р	Н
HT40		30	28.16	-11.84	40	34.98	24.9	0.25	31.97	-	•	Р	V
LF		59.1	29.37	-10.63	40	48.3	12.16	0.82	31.91	100	49	Р	٧
		150.28	22.58	-20.92	43.5	35.89	16.97	1.27	31.55	-	-	Р	V
		317.12	25.11	-20.89	46	34.55	19.84	1.94	31.22	-	-	Р	V
		768.17	31.92	-14.08	46	32.11	27.92	3.08	31.19	-	-	Р	V
		944.71	34.27	-11.73	46	32.29	29.84	3.46	31.32	-	-	Р	V

#### Remark

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<sup>1.</sup> No other spurious found.

<sup>2.</sup> All results are PASS against limit line.

### Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any
	unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is <b>over limit</b> line.
P/A	Peak or Average
H/V	Horizontal or Vertical

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### A calculation example for radiated spurious emission is shown as below:

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WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	( dBµV/m )	(dB)	( dBµV/m )	(dBµV)	( dB/m )	( dB )	( dB )	( cm )	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	Р	Н
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	Α	Н

1. Level( $dB\mu V/m$ ) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBµV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dB $\mu$ V/m) – Limit Line(dB $\mu$ V/m)

#### For Peak Limit @ 2390MHz:

- 1. Level(dBµV/m)
- = Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBµV) Preamp Factor(dB)
- $= 32.22(dB/m) + 4.58(dB) + 54.51(dB\mu V) 35.86 (dB)$
- $= 55.45 (dB\mu V/m)$
- 2. Over Limit(dB)
- = Level(dBµV/m) Limit Line(dBµV/m)
- $= 55.45(dB\mu V/m) 74(dB\mu V/m)$
- = -18.55(dB)

### For Average Limit @ 2390MHz:

- 1. Level(dBµV/m)
- = Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBµV) Preamp Factor(dB)
- $= 32.22(dB/m) + 4.58(dB) + 42.6(dB\mu V) 35.86 (dB)$
- $= 43.54 (dB\mu V/m)$
- 2. Over Limit(dB)
- = Level( $dB\mu V/m$ ) Limit Line( $dB\mu V/m$ )
- $= 43.54(dB\mu V/m) 54(dB\mu V/m)$
- = -10.46(dB)

Both peak and average measured complies with the limit line, so test result is "PASS".

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### Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting		
11b	99.36	12.442	0.080	10Hz		
11g	95.00	2.065	0.484	1KHz		
11n HT20	94.66	1.928	0.519	1KHz		
11n HT40	90.85	0.949	1.053	3KHz		

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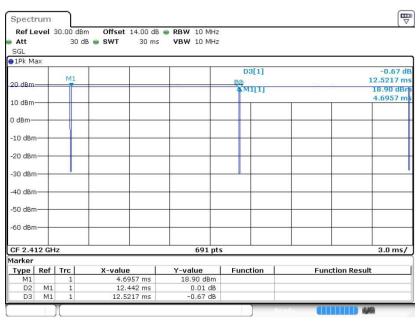
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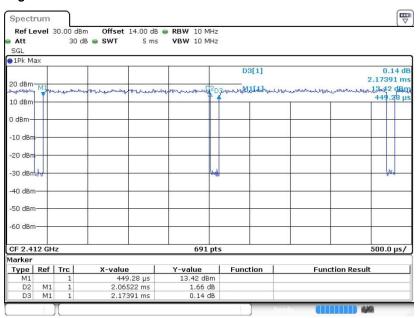
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Date: 29.MAY.2018 16:05:25

### 11g



Date: 29.MAY.2018 16:08:24

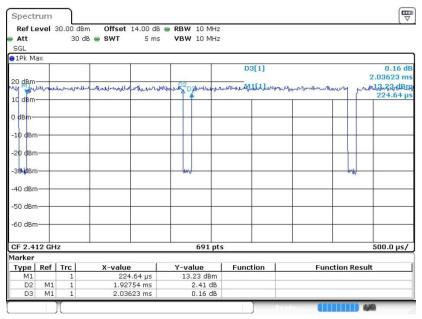
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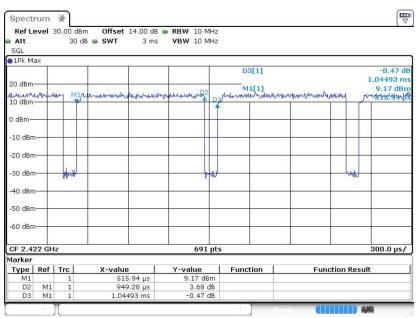
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#### 11n HT20



Date: 29.MAY.2018 16:12:06

#### 11n HT40



Date: 29.MAY.2018 16:16:54

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