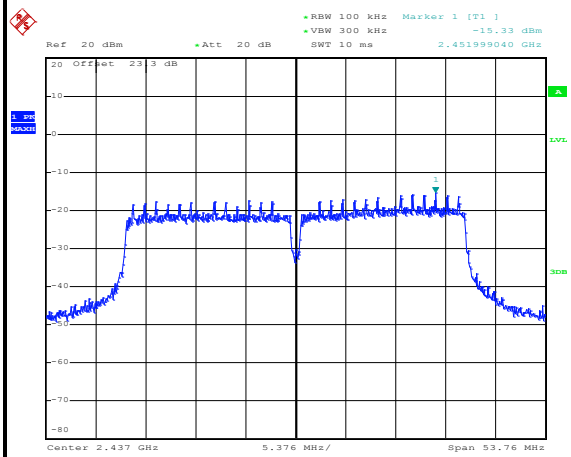
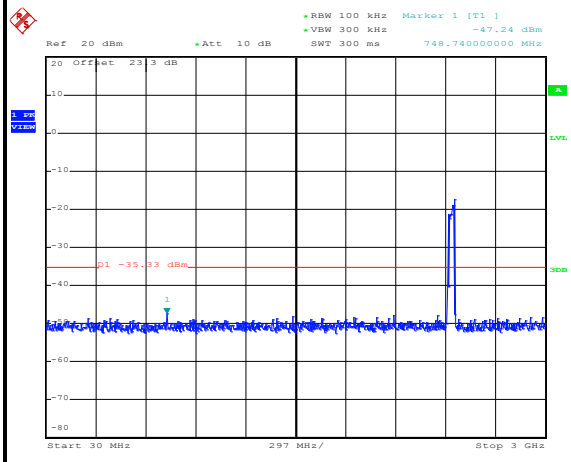
Number of TX	2	**Ant. :**	2
Test Mode :	802.11ac VHT40	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

WLAN 802.11ac VHT40 Channel 06

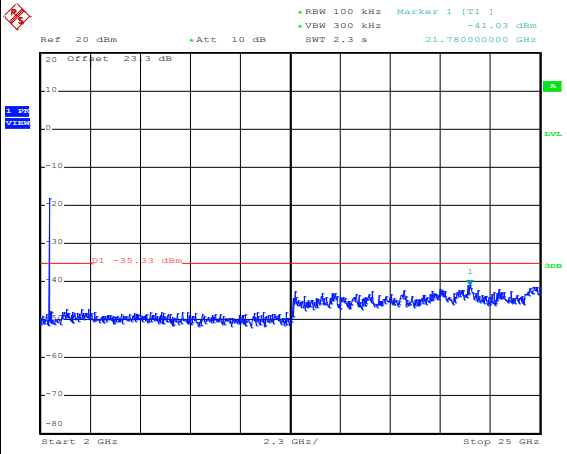
100kHz PSD reference Level



Spurious Emission 30MHz~3GHz



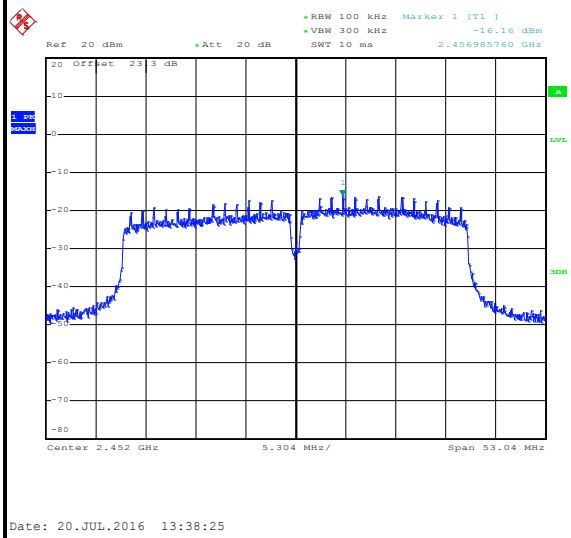
Spurious Emission 2GHz~25GHz



Number of TX	2	**Ant. :**	2
Test Mode :	802.11ac VHT40	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	09	**Test Engineer :**	Bill Kuo

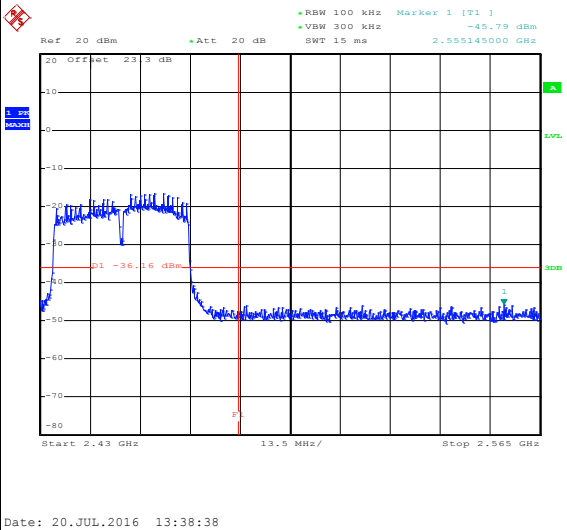
WLAN 802.11ac VHT40 Channel 09

100kHz PSD reference Level



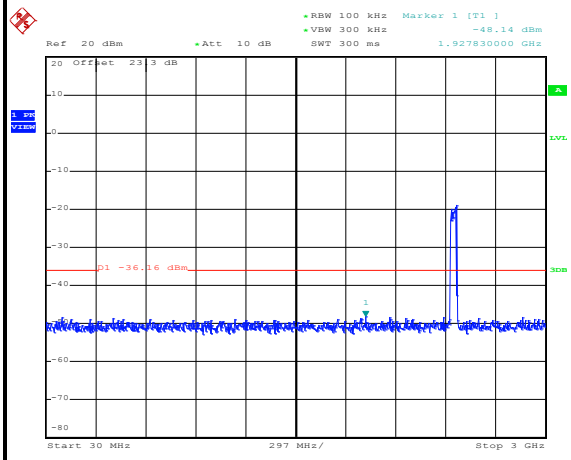
Date: 20.JUL.2016 13:38:25

High Channel Plot



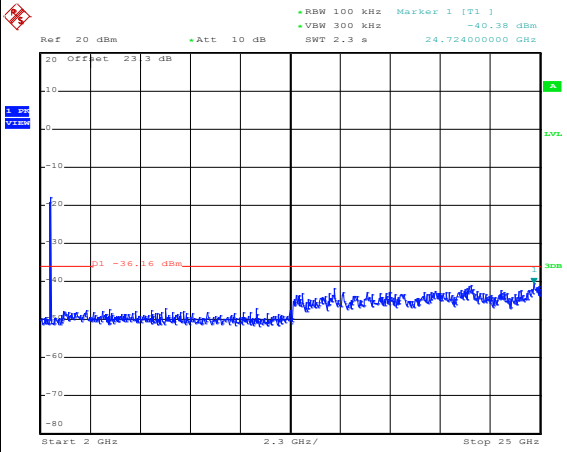
Date: 20.JUL.2016 13:38:38

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 13:38:49

Spurious Emission 2GHz~25GHz



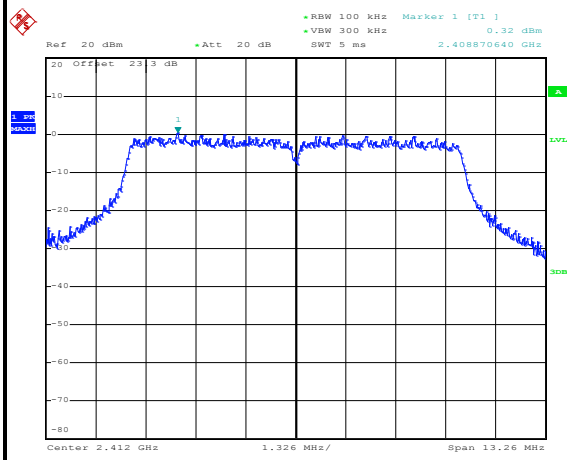
Date: 20.JUL.2016 13:38:58

<Ant. Type 3>

Number of TX	2	**Ant. :**	1
Test Mode :	802.11ac VHT10	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	01	**Test Engineer :**	Bill Kuo

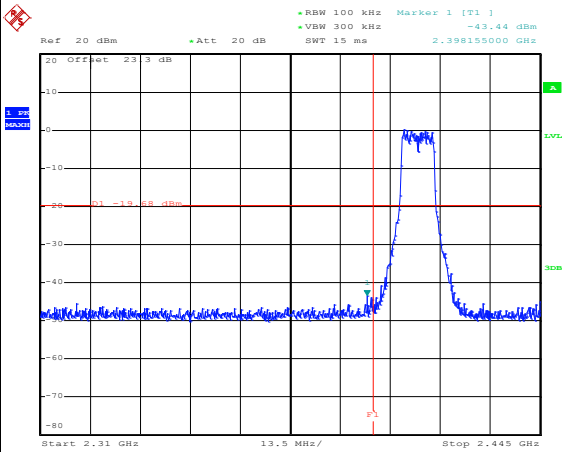
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



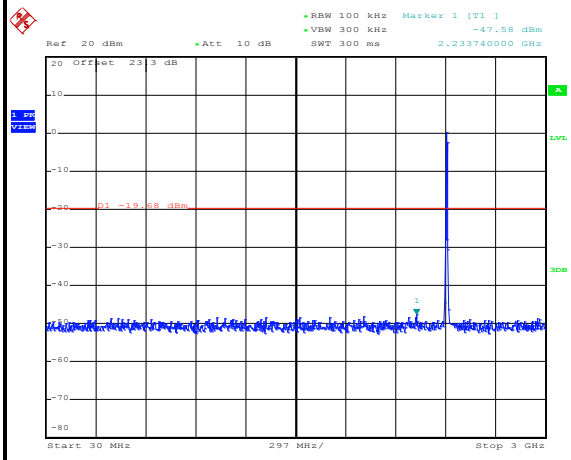
Date: 20.JUL.2016 15:11:48

Low Channel Plot



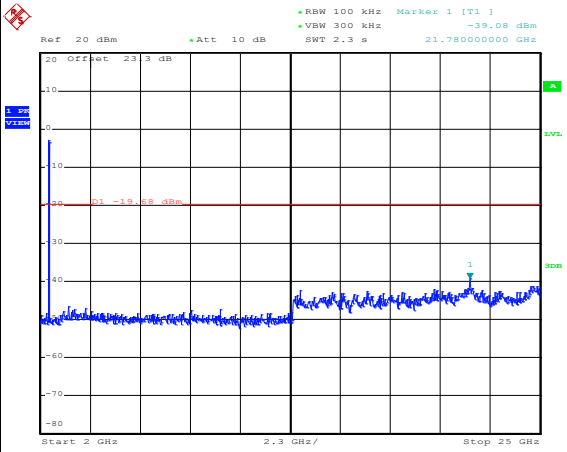
Date: 20.JUL.2016 15:12:02

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:12:13

Spurious Emission 2GHz~25GHz

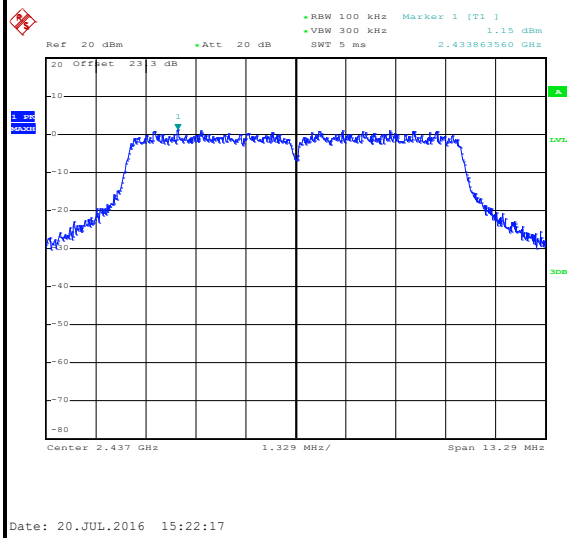


Date: 20.JUL.2016 15:12:22

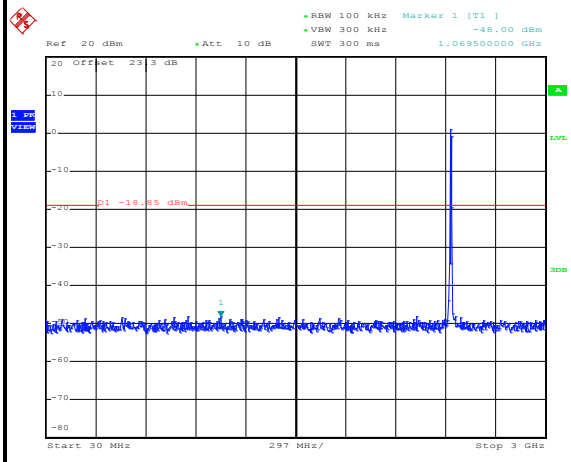
Number of TX	2	**Ant. :**	1
Test Mode :	802.11ac VHT10	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

WLAN 802.11n HT20 Channel 06

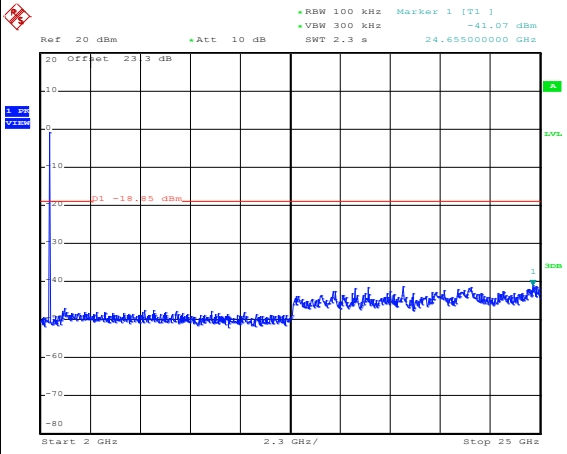
100kHz PSD reference Level



Spurious Emission 30MHz~3GHz



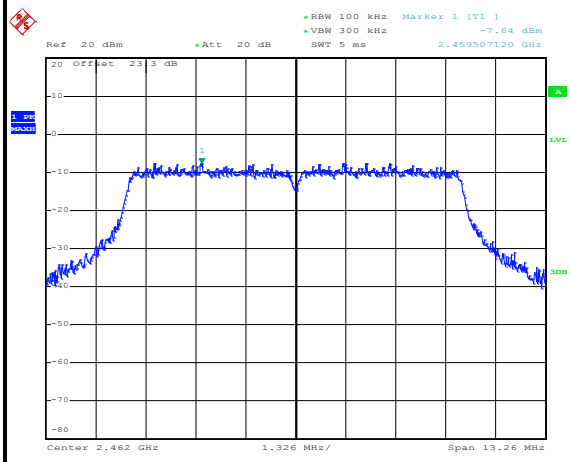
Spurious Emission 2GHz~25GHz



Number of TX	2	**Ant. :**	1
Test Mode :	802.11ac VHT10	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	11	**Test Engineer :**	Bill Kuo

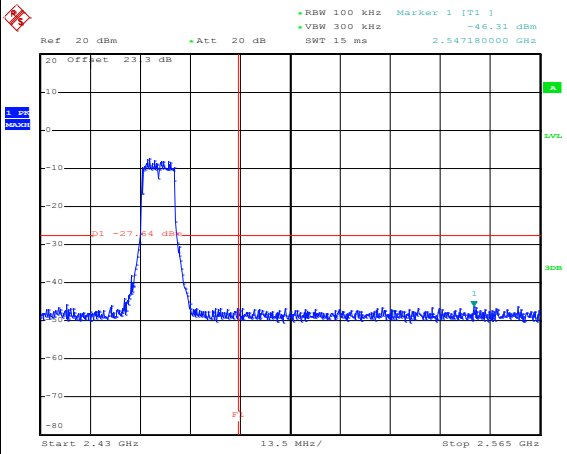
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



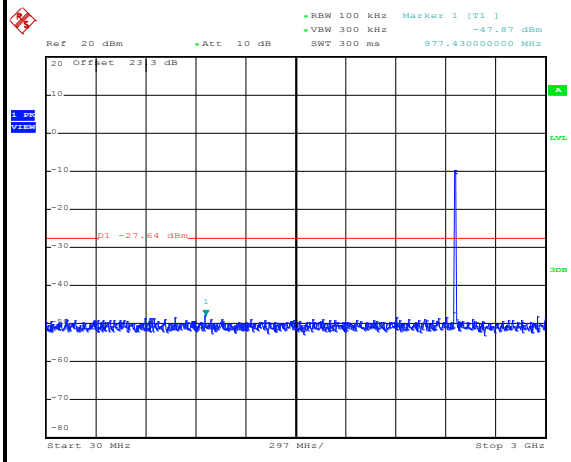
Date: 20.JUL.2016 10:59:52

High Channel Plot



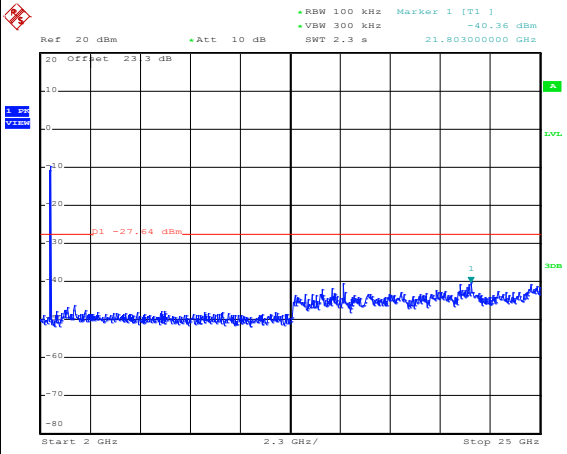
Date: 20.JUL.2016 11:00:05

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:00:18

Spurious Emission 2GHz~25GHz

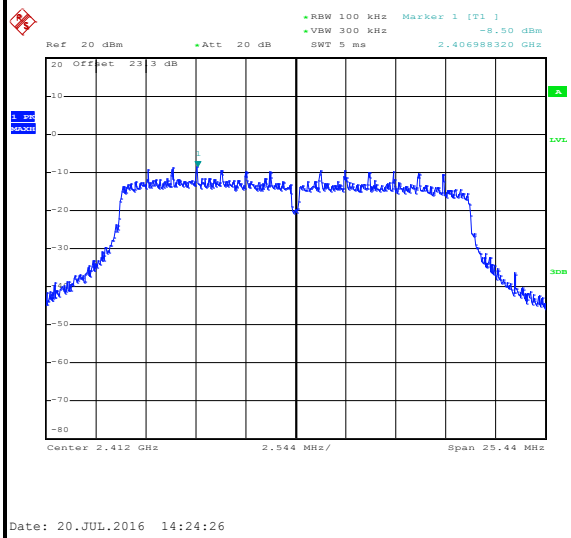


Date: 20.JUL.2016 11:00:26

Number of TX	2	**Ant. :**	1
Test Mode :	802.11ac VHT20	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	01	**Test Engineer :**	Bill Kuo

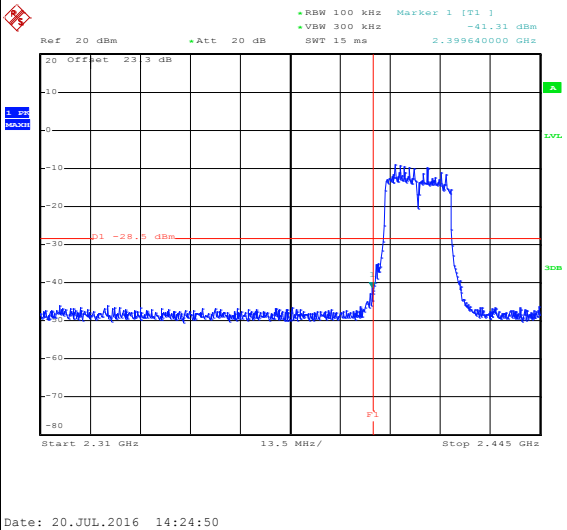
WLAN 802.11ac VHT20 Channel 01

100kHz PSD reference Level



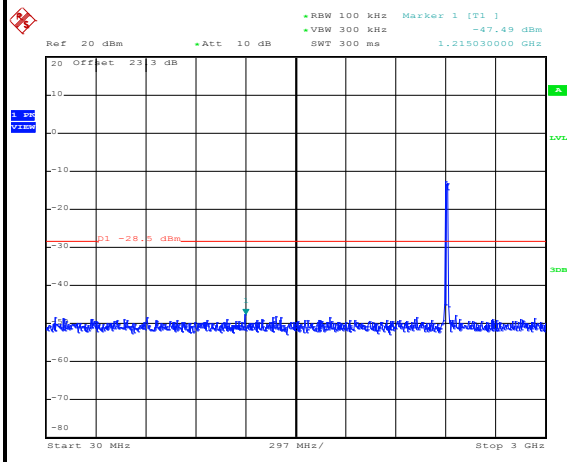
Date: 20.JUL.2016 14:24:26

Low Channel Plot



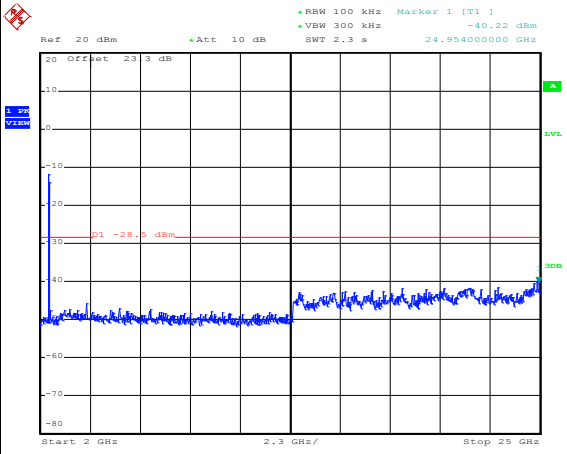
Date: 20.JUL.2016 14:24:50

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 14:27:01

Spurious Emission 2GHz~25GHz

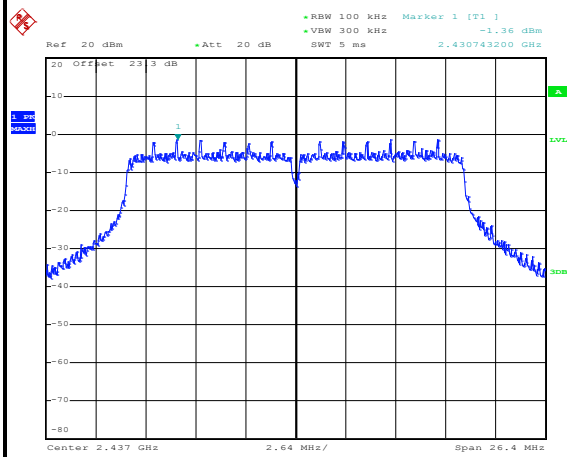


Date: 20.JUL.2016 14:27:09

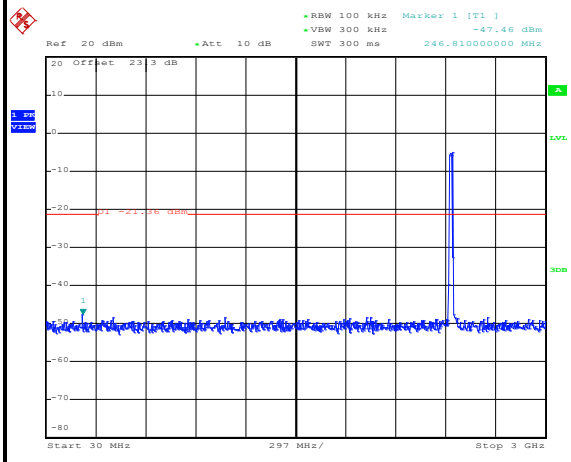
Number of TX	2	**Ant. :**	1
Test Mode :	802.11ac VHT20	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

WLAN 802.11ac VHT20 Channel 06

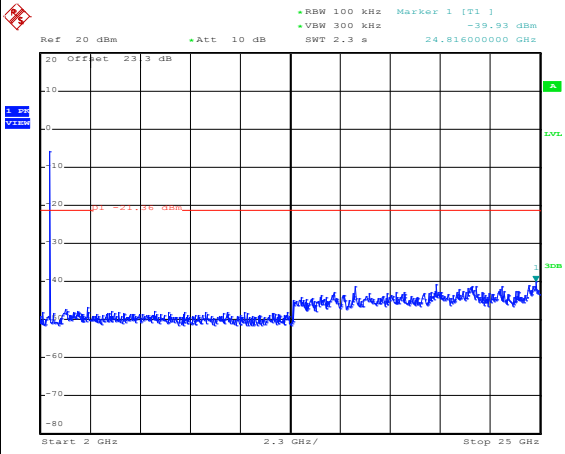
100kHz PSD reference Level



Spurious Emission 30MHz~3GHz



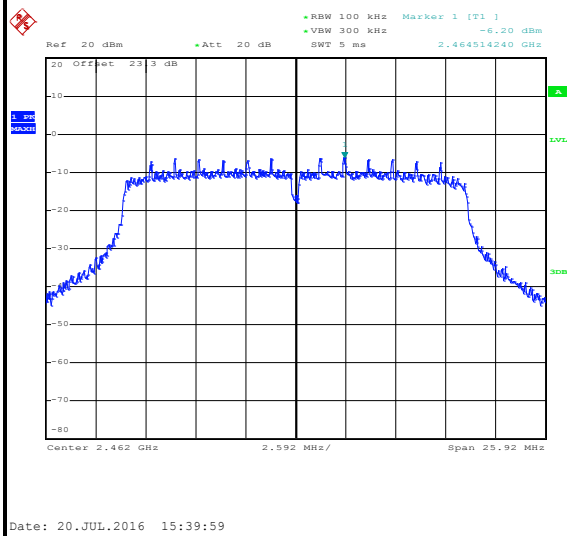
Spurious Emission 2GHz~25GHz



Number of TX	2	**Ant. :**	1
Test Mode :	802.11ac VHT20	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	11	**Test Engineer :**	Bill Kuo

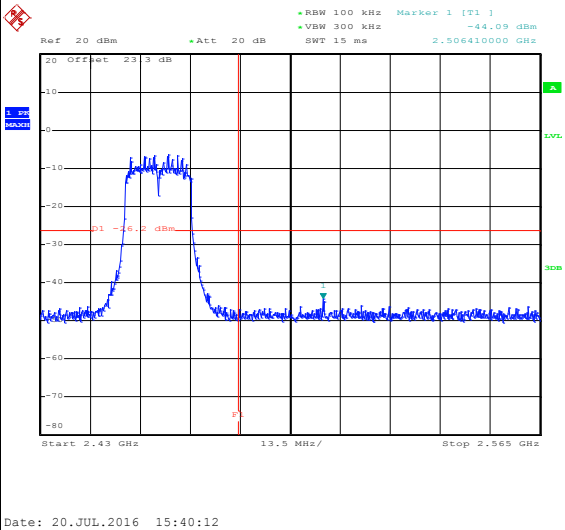
WLAN 802.11ac VHT20 Channel 11

100kHz PSD reference Level



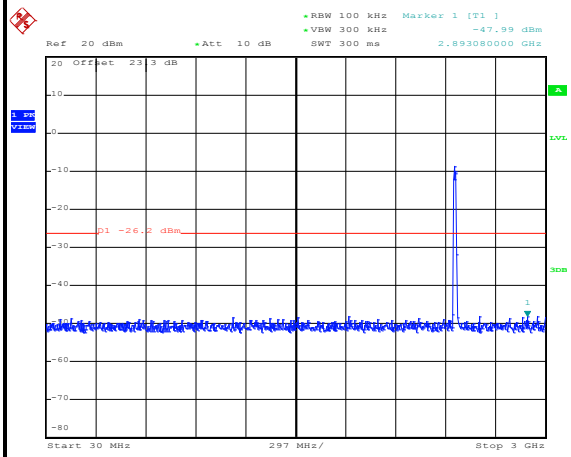
Date: 20.JUL.2016 15:39:59

High Channel Plot



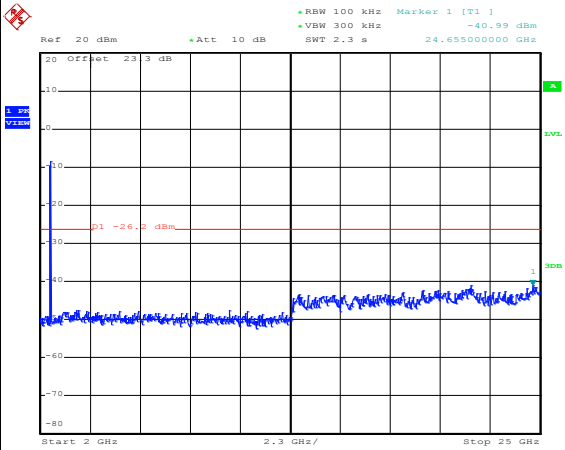
Date: 20.JUL.2016 15:40:12

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:40:23

Spurious Emission 2GHz~25GHz

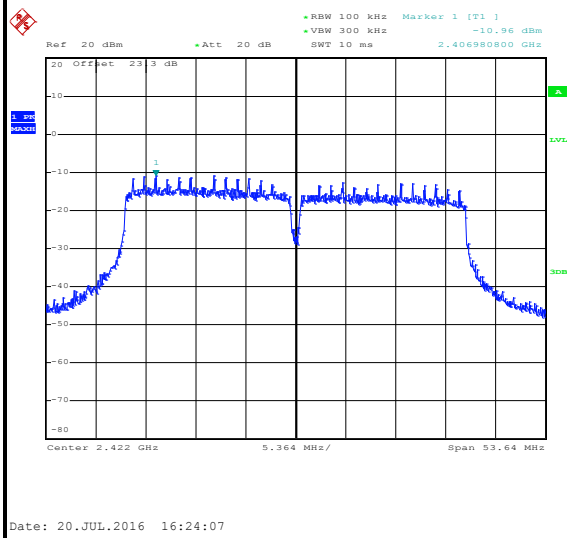


Date: 20.JUL.2016 15:40:31

Number of TX	2	**Ant. :**	1
Test Mode :	802.11ac VHT40	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	03	**Test Engineer :**	Bill Kuo

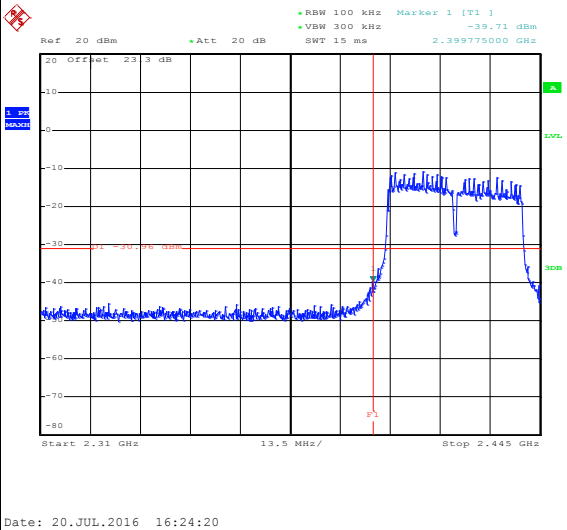
WLAN 802.11ac VHT40 Channel 03

100kHz PSD reference Level



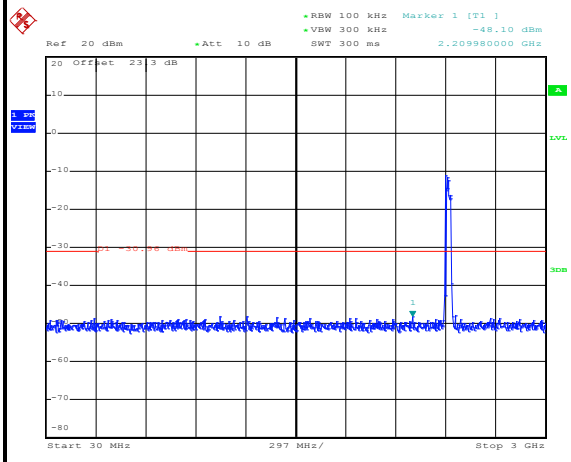
Date: 20.JUL.2016 16:24:07

Low Channel Plot



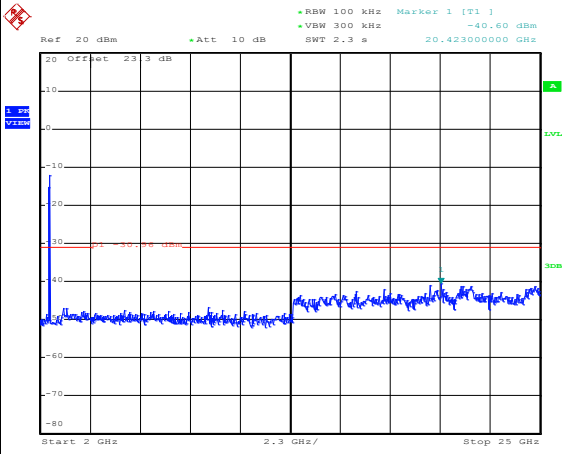
Date: 20.JUL.2016 16:24:20

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 16:25:18

Spurious Emission 2GHz~25GHz

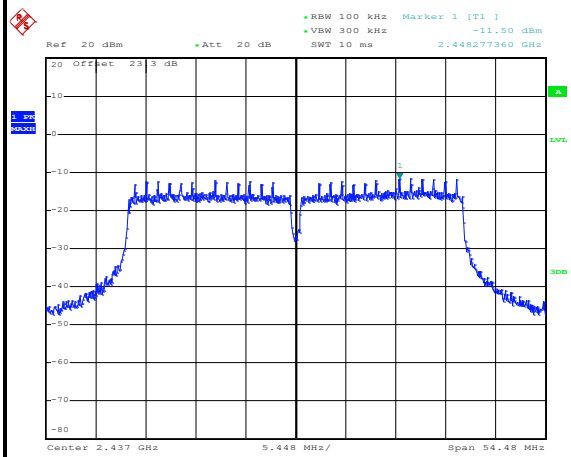


Date: 20.JUL.2016 16:24:40

Number of TX	2	**Ant. :**	1
Test Mode :	802.11ac VHT40	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

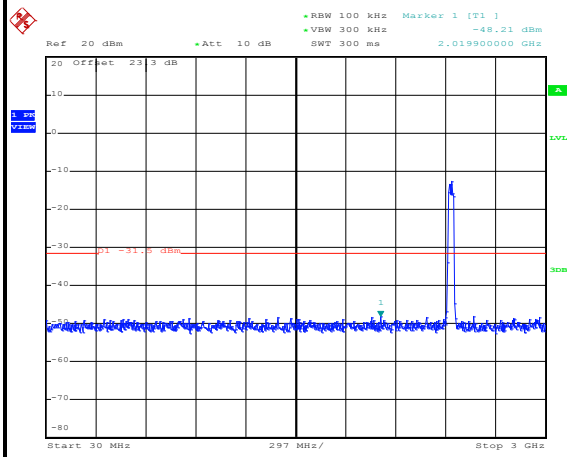
WLAN 802.11ac VHT40 Channel 06

100kHz PSD reference Level



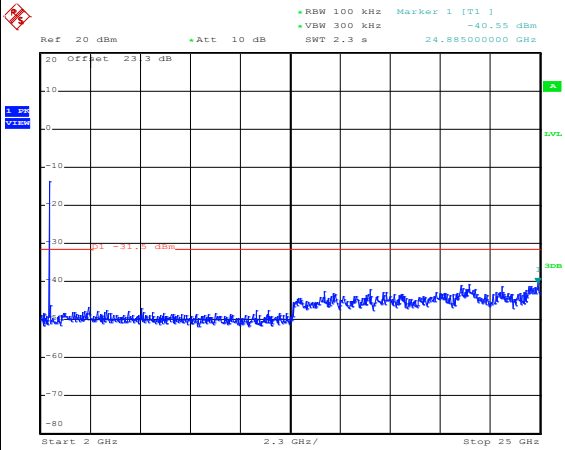
Date: 20.JUL.2016 14:47:13

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 14:49:15

Spurious Emission 2GHz~25GHz

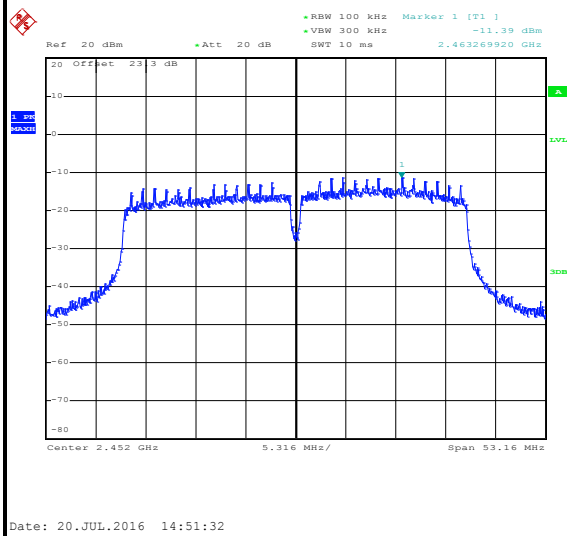


Date: 20.JUL.2016 14:49:23

Number of TX	2	**Ant. :**	1
Test Mode :	802.11ac VHT40	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	09	**Test Engineer :**	Bill Kuo

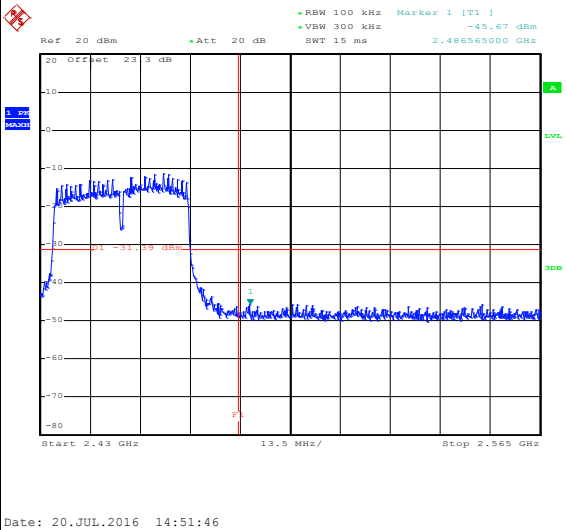
WLAN 802.11ac VHT40 Channel 09

100kHz PSD reference Level



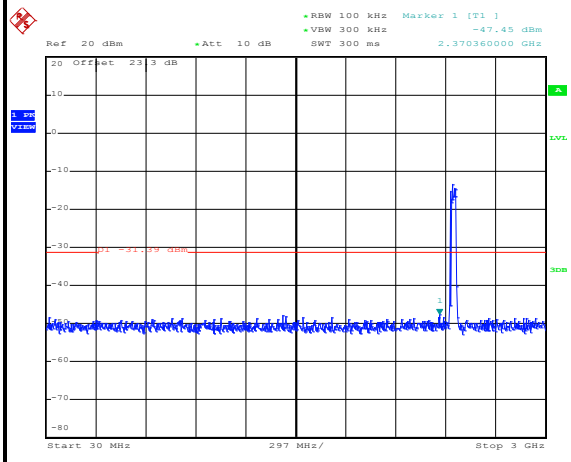
Date: 20.JUL.2016 14:51:32

High Channel Plot



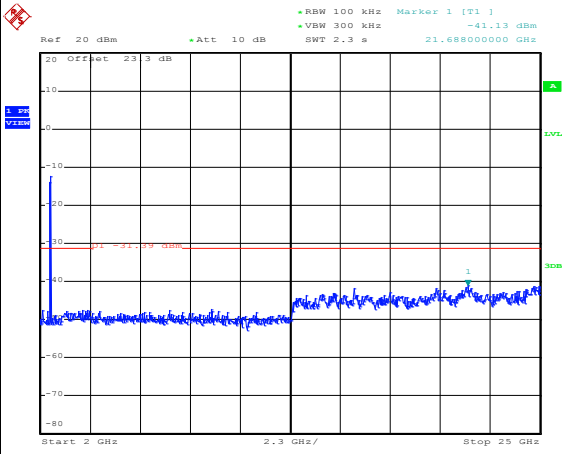
Date: 20.JUL.2016 14:51:46

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 14:51:57

Spurious Emission 2GHz~25GHz



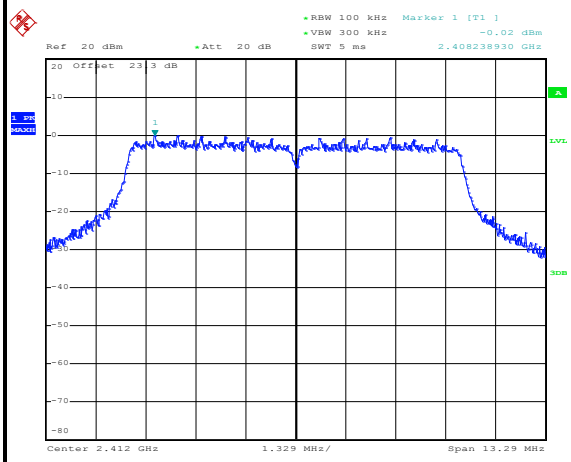
Date: 20.JUL.2016 14:52:05

Number of TX = 2, Ant. 2 (Measured)

Number of TX	2	**Ant. :**	2
Test Mode :	802.11ac VHT10	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	01	**Test Engineer :**	Bill Kuo

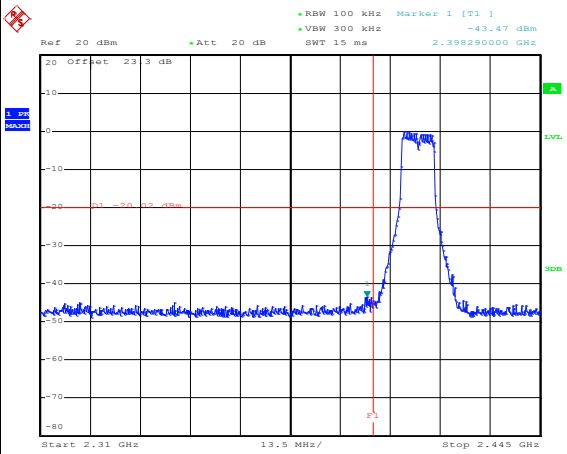
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



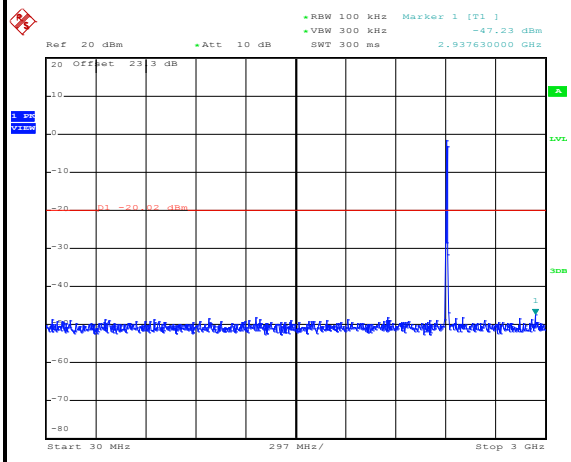
Date: 20.JUL.2016 15:14:58

Low Channel Plot



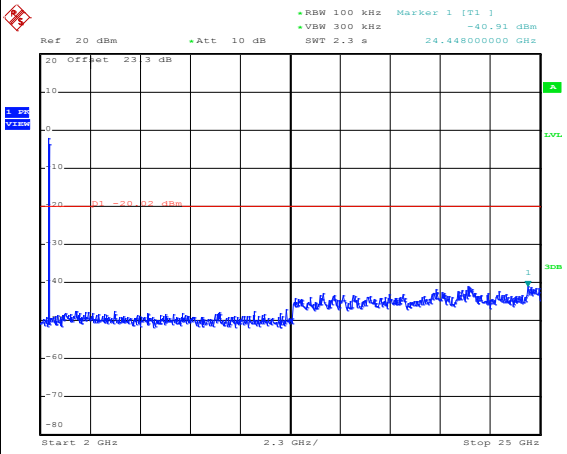
Date: 20.JUL.2016 15:15:40

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:15:53

Spurious Emission 2GHz~25GHz

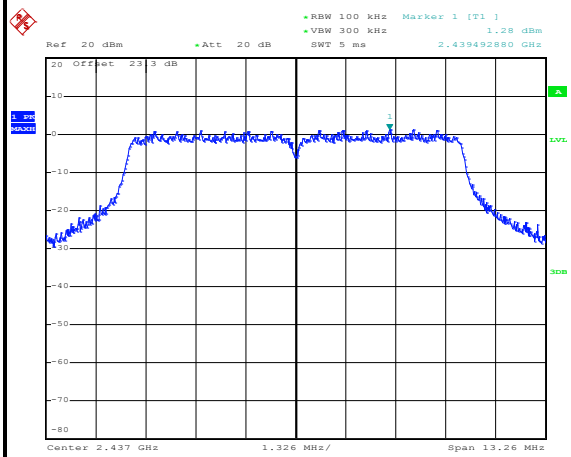


Date: 20.JUL.2016 15:16:01

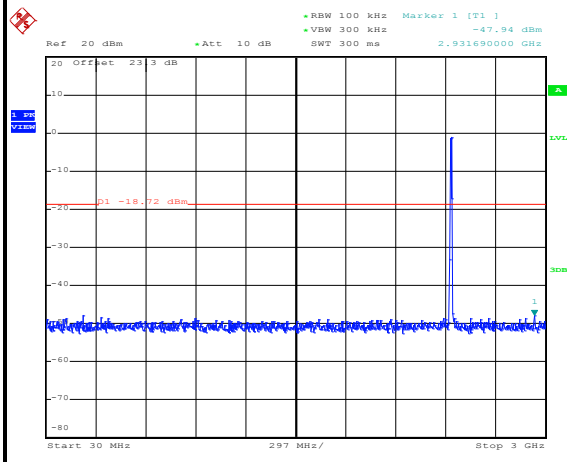
Number of TX	2	**Ant. :**	2
Test Mode :	802.11ac VHT10	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

WLAN 802.11n HT20 Channel 06

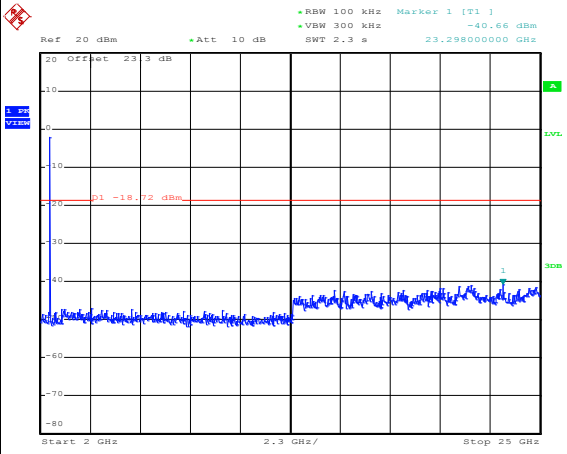
100kHz PSD reference Level



Spurious Emission 30MHz~3GHz



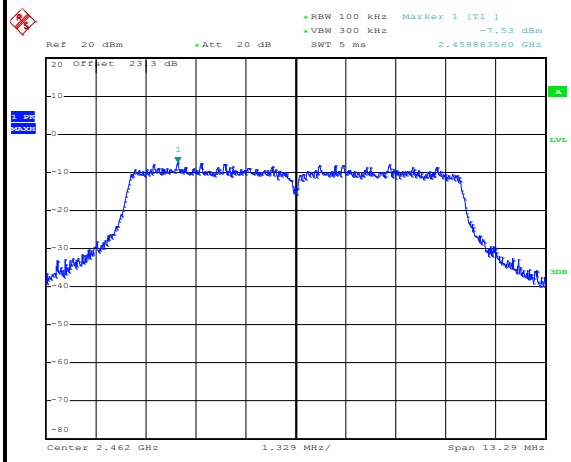
Spurious Emission 2GHz~25GHz



Number of TX	2	**Ant. :**	2
Test Mode :	802.11ac VHT10	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	11	**Test Engineer :**	Bill Kuo

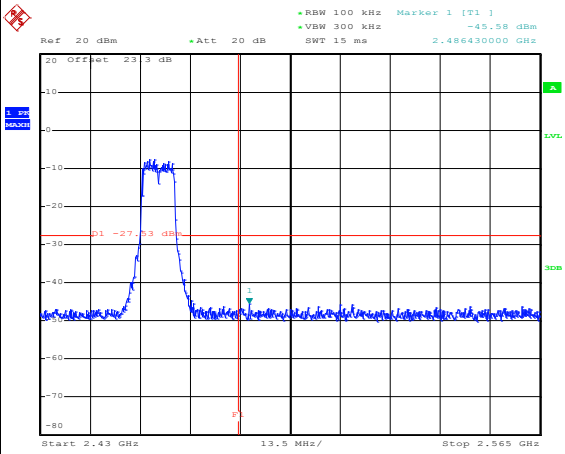
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



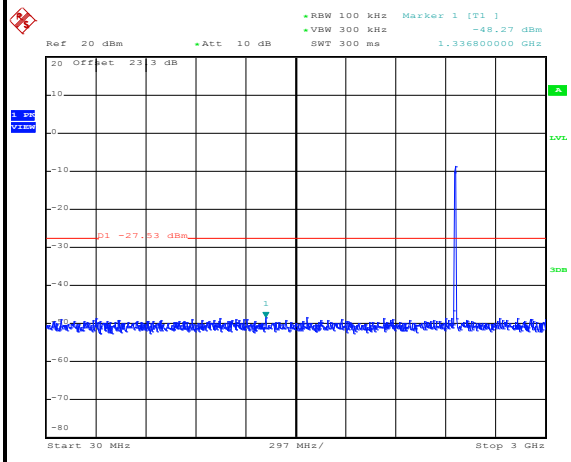
Date: 20.JUL.2016 11:04:40

High Channel Plot



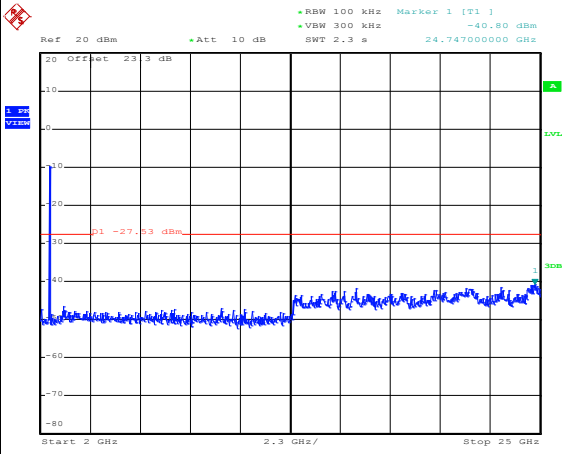
Date: 20.JUL.2016 11:04:55

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:05:07

Spurious Emission 2GHz~25GHz

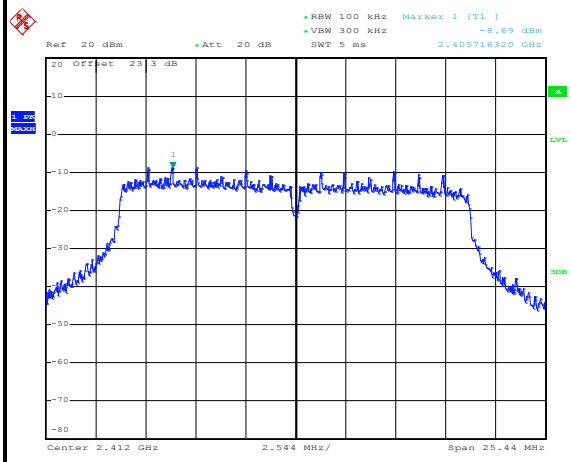


Date: 20.JUL.2016 11:05:15

Number of TX	2	**Ant. :**	2
Test Mode :	802.11ac VHT20	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	01	**Test Engineer :**	Bill Kuo

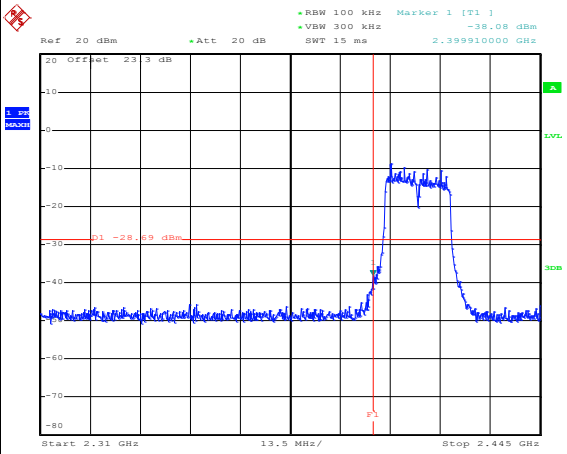
WLAN 802.11ac VHT20 Channel 01

100kHz PSD reference Level



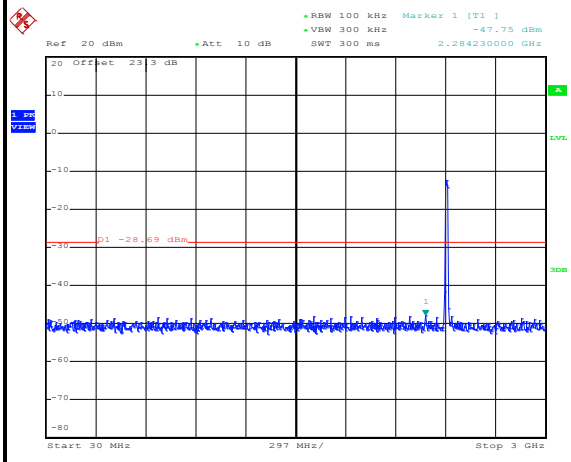
Date: 20.JUL.2016 14:29:03

Low Channel Plot



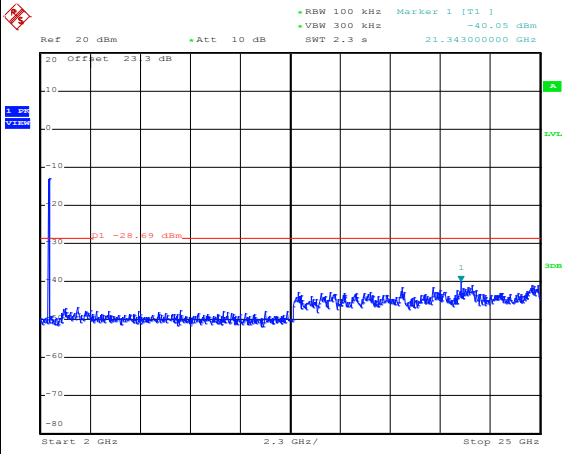
Date: 20.JUL.2016 14:29:14

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 14:31:10

Spurious Emission 2GHz~25GHz

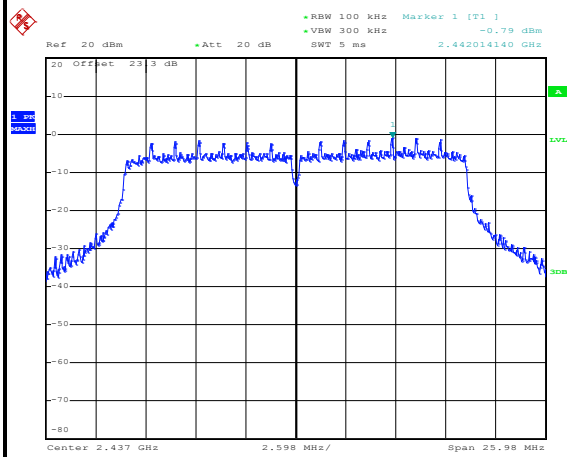


Date: 20.JUL.2016 14:31:18

Number of TX	2	**Ant. :**	2
Test Mode :	802.11ac VHT20	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

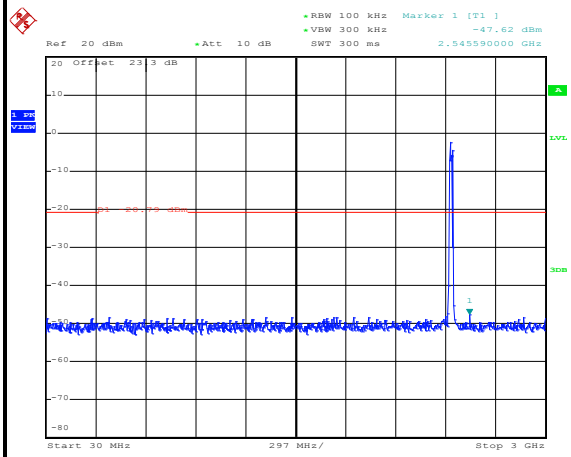
WLAN 802.11ac VHT20 Channel 06

100kHz PSD reference Level



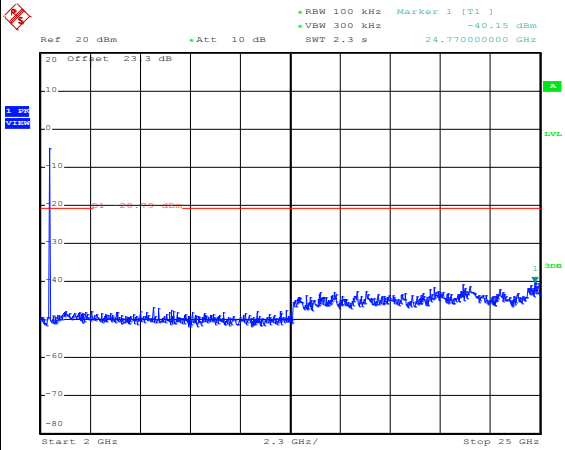
Date: 20.JUL.2016 15:31:56

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:32:08

Spurious Emission 2GHz~25GHz

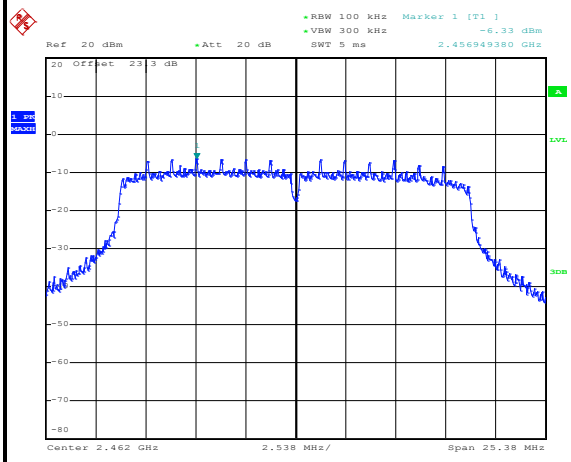


Date: 20.JUL.2016 15:32:17

Number of TX	2	**Ant. :**	2
Test Mode :	802.11ac VHT20	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	11	**Test Engineer :**	Bill Kuo

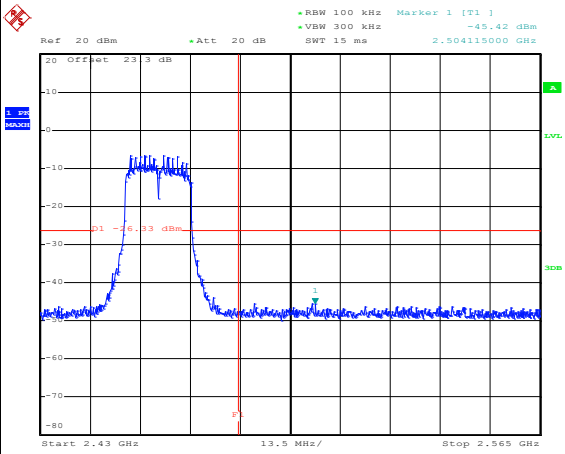
WLAN 802.11ac VHT20 Channel 11

100kHz PSD reference Level



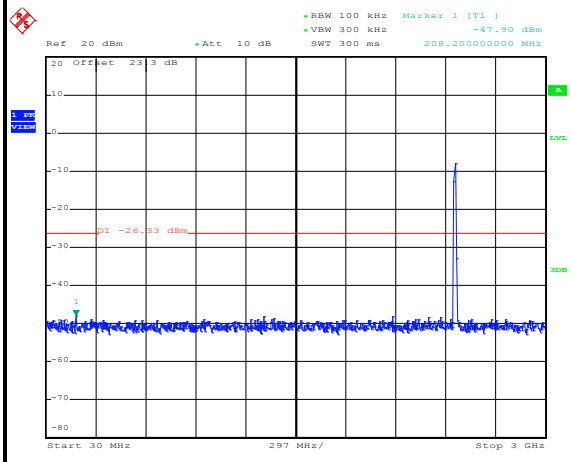
Date: 20.JUL.2016 15:37:46

High Channel Plot



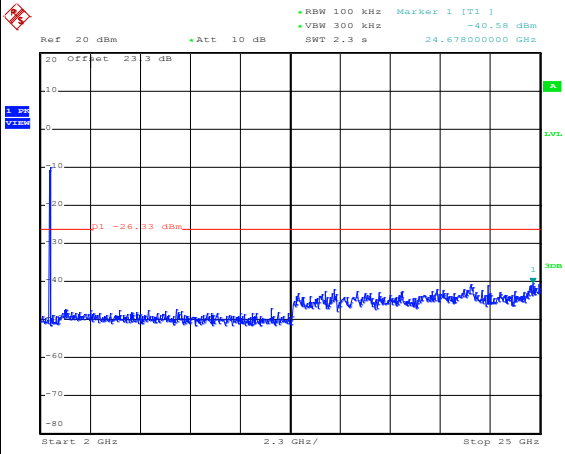
Date: 20.JUL.2016 15:38:06

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:38:17

Spurious Emission 2GHz~25GHz

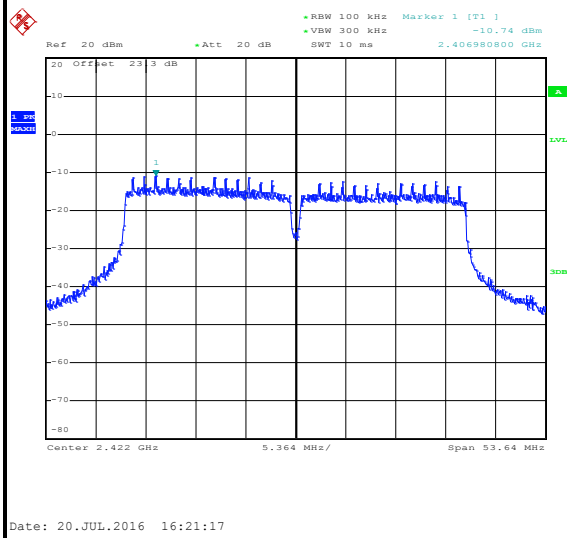


Date: 20.JUL.2016 15:38:26

Number of TX	2	**Ant. :**	2
Test Mode :	802.11ac VHT40	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	03	**Test Engineer :**	Bill Kuo

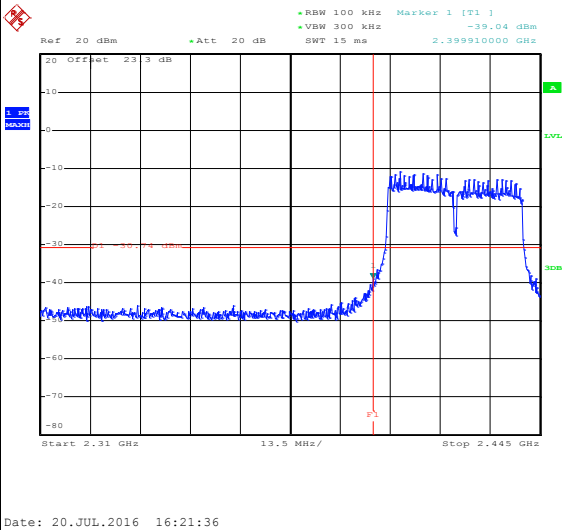
WLAN 802.11ac VHT40 Channel 03

100kHz PSD reference Level



Date: 20.JUL.2016 16:21:17

Low Channel Plot



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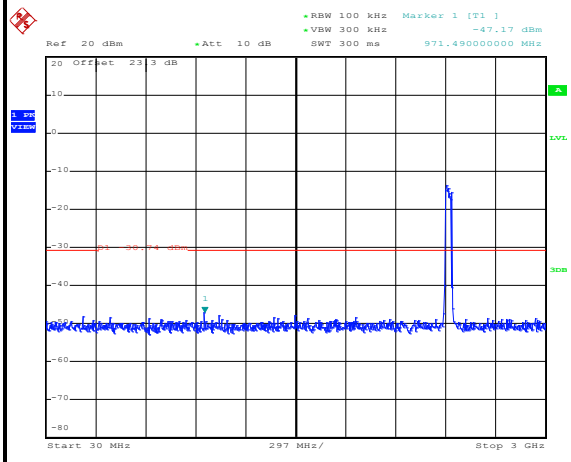
Spurious Emission 30MHz~3GHz



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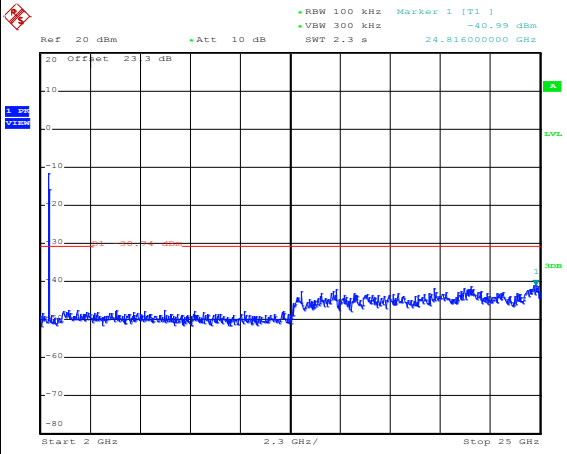
Spurious Emission 2GHz~25GHz

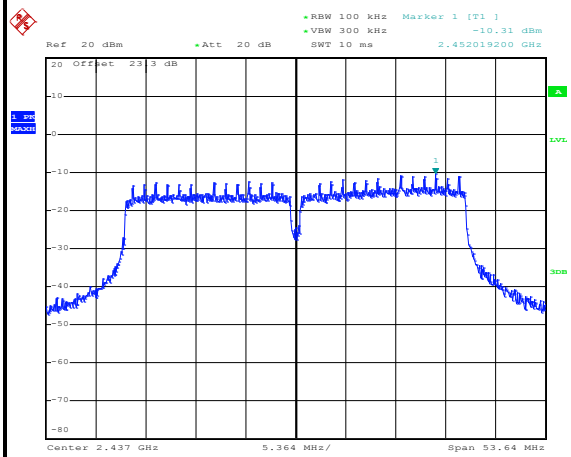


Date: 20.JUL.2016 16:22:17

Number of TX	2	**Ant. :**	2
Test Mode :	802.11ac VHT40	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

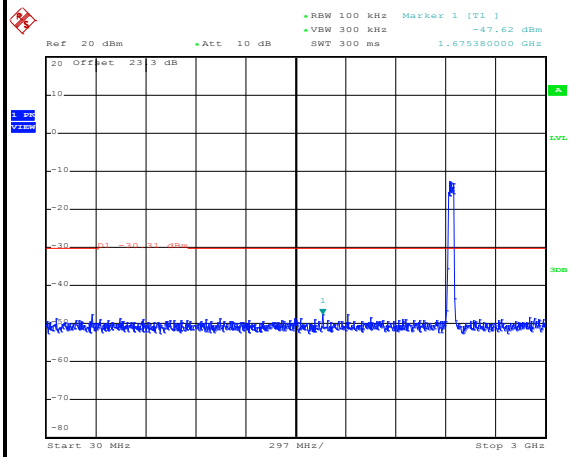
WLAN 802.11ac VHT40 Channel 06

100kHz PSD reference Level



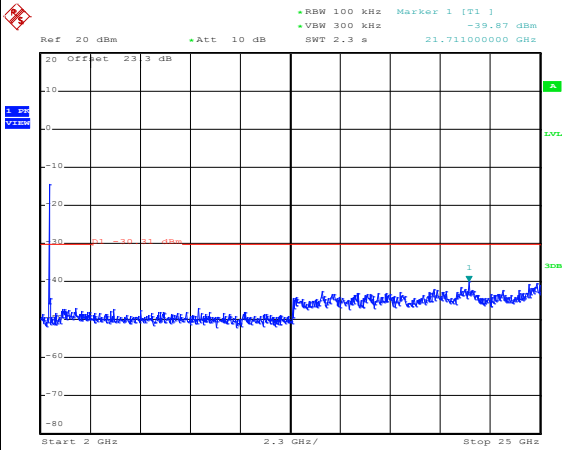
Date: 20.JUL.2016 14:44:21

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 14:44:52

Spurious Emission 2GHz~25GHz

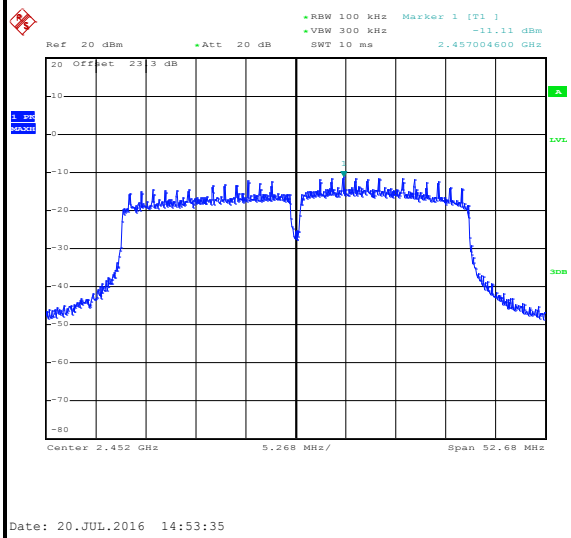


Date: 20.JUL.2016 14:45:00

Number of TX	2	**Ant. :**	2
Test Mode :	802.11ac VHT40	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	09	**Test Engineer :**	Bill Kuo

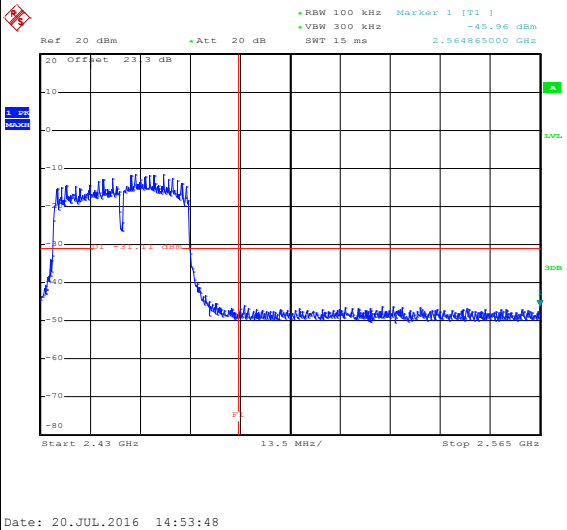
WLAN 802.11ac VHT40 Channel 09

100kHz PSD reference Level



Date: 20.JUL.2016 14:53:35

High Channel Plot



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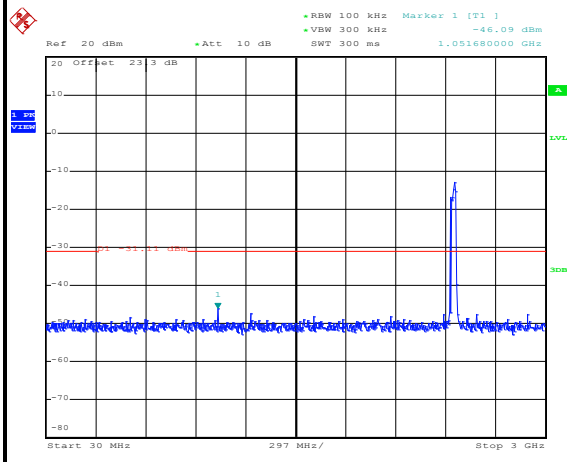
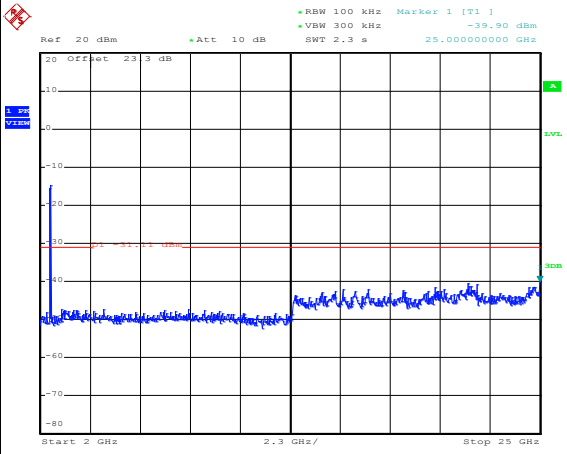
Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 14:53:59

Spurious Emission 2GHz~25GHz



Date: 20.JUL.2016 14:54:07

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 FCC section 15.209 limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.5.2 Measuring Instruments

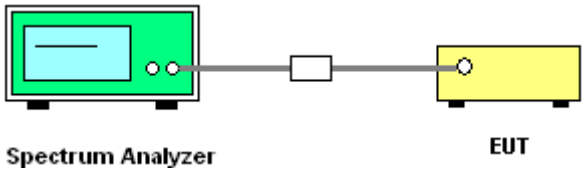
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedure

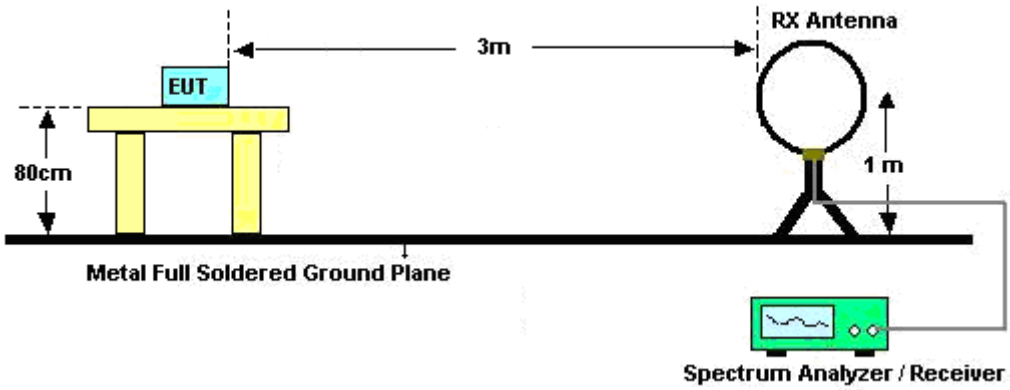
1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r05.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the 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
6. 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.
7. 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 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.

3.5.4 Test Setup

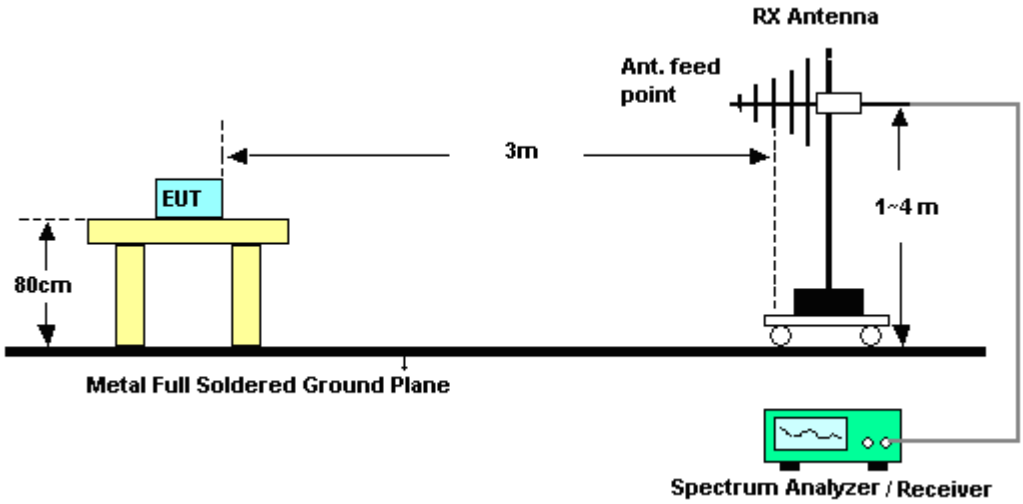
For Conducted Measurement Setup:



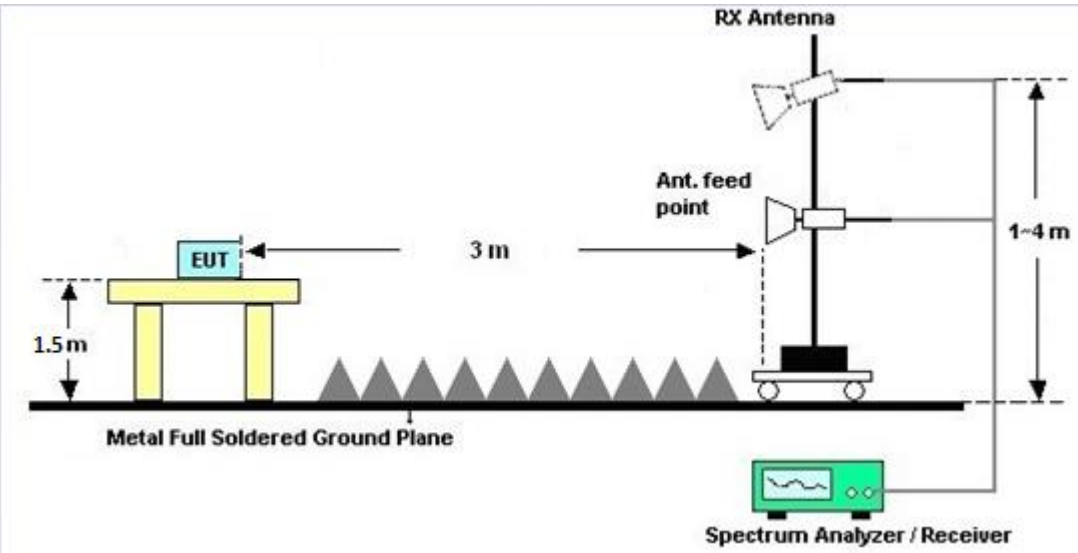
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.5.5 Test Results of Radiated 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 per 15.31(o) was not reported.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C of this report.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix B and C.

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

*Decreases with the logarithm of the frequency.

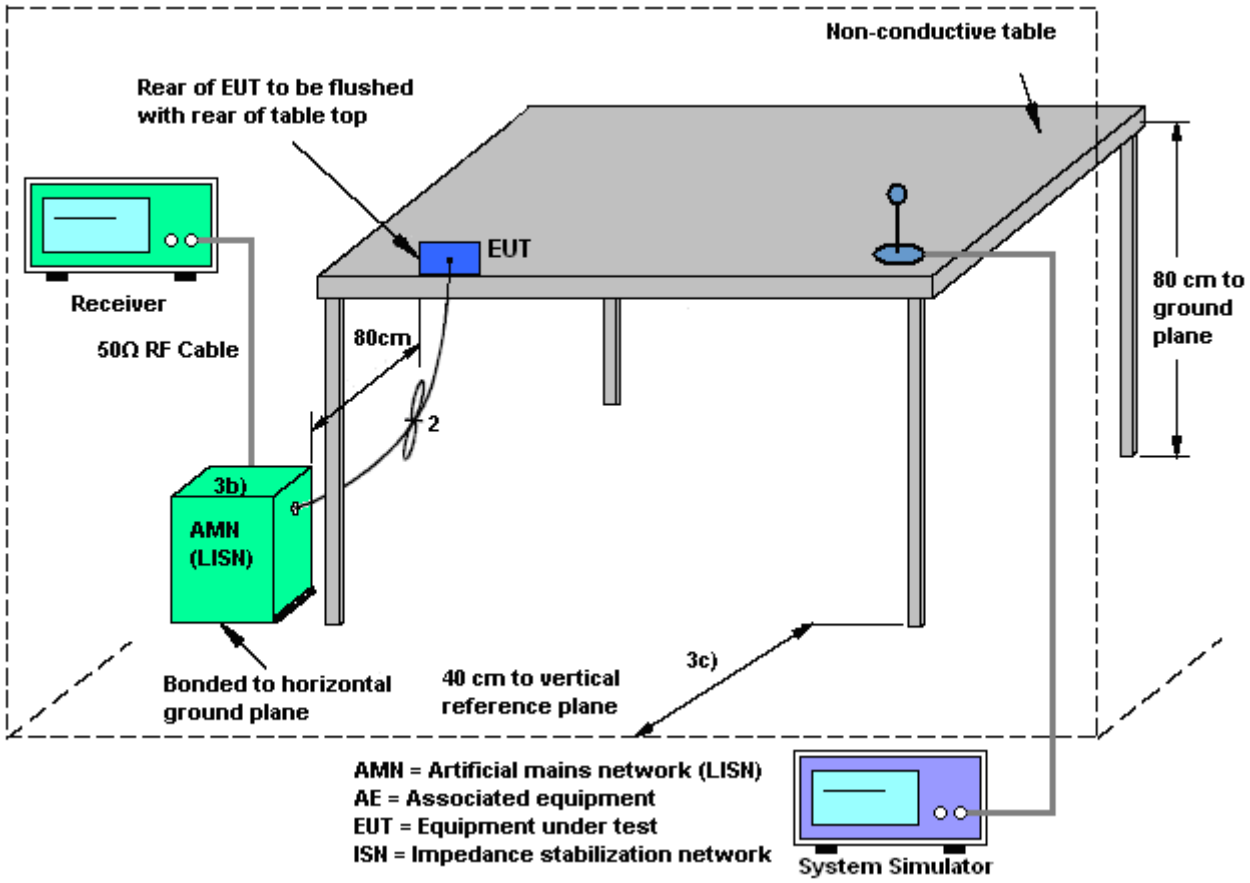
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

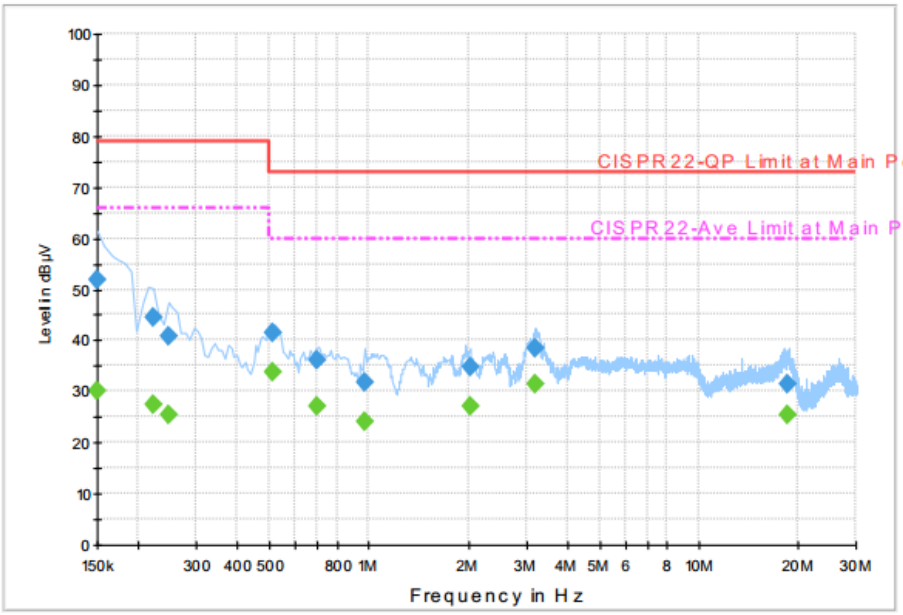
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other 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.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Test Mode :	Mode 2	Temperature :	23~24℃
Test Engineer :	Arthur Hsieh	Relative Humidity :	47~48%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WLAN Link + PoE Adapter + LAN Link + Antenna 3 + GPS		



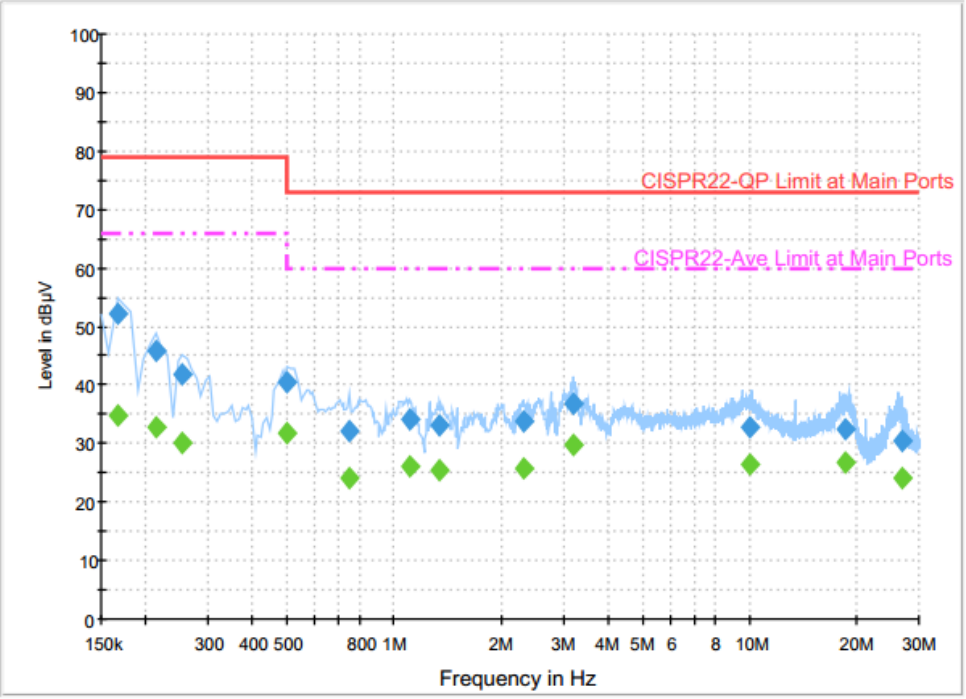
Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	51.8	Off	L1	19.6	27.2	79.0
0.222000	44.5	Off	L1	19.6	34.5	79.0
0.246000	40.7	Off	L1	19.6	38.3	79.0
0.510000	41.4	Off	L1	19.6	31.6	73.0
0.694000	36.0	Off	L1	19.6	37.0	73.0
0.974000	31.9	Off	L1	19.7	41.1	73.0
2.030000	34.8	Off	L1	19.6	38.2	73.0
3.190000	38.5	Off	L1	19.7	34.5	73.0
18.662000	31.5	Off	L1	20.6	41.5	73.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	30.1	Off	L1	19.6	35.9	66.0
0.222000	27.3	Off	L1	19.6	38.7	66.0
0.246000	25.6	Off	L1	19.6	40.4	66.0
0.510000	33.6	Off	L1	19.6	26.4	60.0
0.694000	27.1	Off	L1	19.6	32.9	60.0
0.974000	24.0	Off	L1	19.7	36.0	60.0
2.030000	27.1	Off	L1	19.6	32.9	60.0
3.190000	31.6	Off	L1	19.7	28.4	60.0
18.662000	25.5	Off	L1	20.6	34.5	60.0

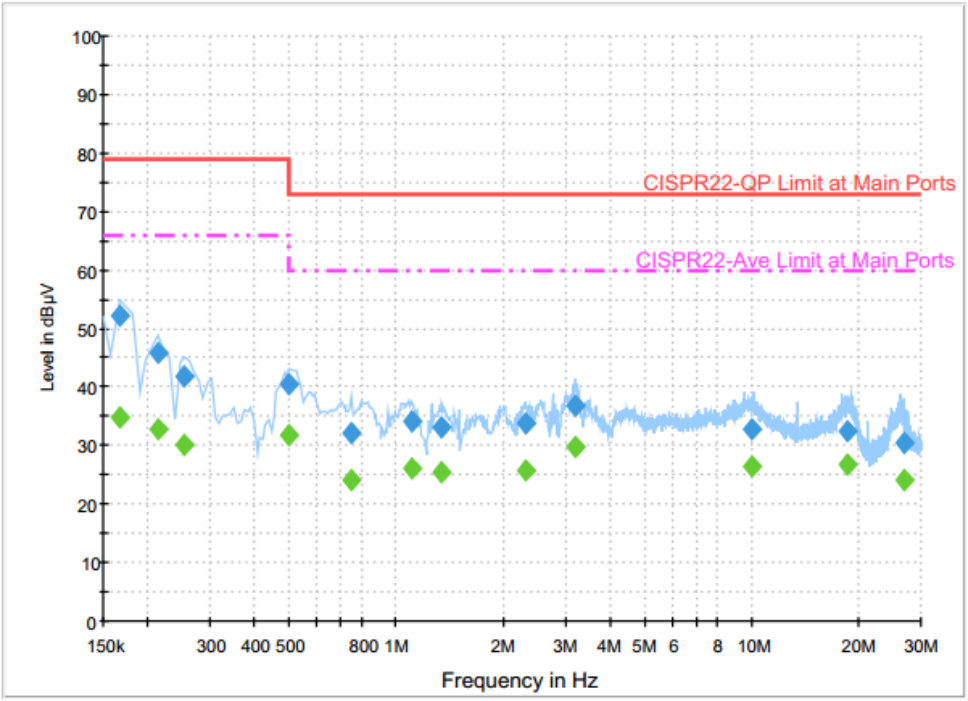
Test Mode :	Mode 2	Temperature :	23~24℃
Test Engineer :	Arthur Hsieh	Relative Humidity :	47~48%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN Link + PoE Adapter + LAN Link + Antenna 3 + GPS		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	52.2	Off	N	19.6	26.8	79.0
0.214000	45.8	Off	N	19.6	33.2	79.0
0.254000	41.8	Off	N	19.6	37.2	79.0
0.502000	40.6	Off	N	19.6	32.4	73.0
0.750000	32.1	Off	N	19.6	40.9	73.0
1.110000	34.1	Off	N	19.6	38.9	73.0
1.342000	33.3	Off	N	19.7	39.7	73.0
2.318000	33.8	Off	N	18.7	39.2	73.0
3.206000	36.7	Off	N	19.7	36.3	73.0
10.054000	32.9	Off	N	20.1	40.1	73.0
18.742000	32.5	Off	N	20.7	40.5	73.0
26.798000	30.4	Off	N	21.2	42.6	73.0

Test Mode :	Mode 2	Temperature :	23~24℃
Test Engineer :	Arthur Hsieh	Relative Humidity :	47~48%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN Link + PoE Adapter + LAN Link + Antenna 3 + GPS		



Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	34.8	Off	N	19.6	31.2	66.0
0.214000	32.9	Off	N	19.6	33.1	66.0
0.254000	30.0	Off	N	19.6	36.0	66.0
0.502000	31.8	Off	N	19.6	28.2	60.0
0.750000	24.0	Off	N	19.6	36.0	60.0
1.110000	26.0	Off	N	19.6	34.0	60.0
1.342000	25.4	Off	N	19.7	34.6	60.0
2.318000	25.9	Off	N	18.7	34.1	60.0
3.206000	29.8	Off	N	19.7	30.2	60.0
10.054000	26.5	Off	N	20.1	33.5	60.0
18.742000	26.7	Off	N	20.7	33.3	60.0
26.798000	24.0	Off	N	21.2	36.0	60.0

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. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the Antenna exceeds 6 dBi. 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 FCC rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

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 $N_{ANT} \leq 4$.

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

The EUT supports CDD mode.

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.

<PTP>

<Ant. Type 1>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	17.00	17.00	17.00	20.01	3.00	4.00

<Ant. Type 2>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	24.00	24.00	24.00	27.01	6.00	7.00

<Ant. Type 3>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	13.00	13.00	13.00	16.01	2.00	3.00

<PTMP>

<Ant. Type 1>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	17.00	17.00	17.00	20.01	11.00	14.01

<Ant. Type 2>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	24.00	24.00	24.00	27.01	18.00	21.01

<Ant. Type 3>

	Ant. 1 (dBi)	Ant. 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
2.4 GHz	13.00	13.00	13.00	16.01	7.00	10.01

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1218006	300MHz~40GHz	Oct. 07, 2015	Mar. 03, 2016 ~ Aug. 04, 2016	Oct. 06, 2016	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Oct. 05, 2015	Mar. 03, 2016 ~ Aug. 04, 2016	Oct. 04, 2016	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 23, 2015	Mar. 03, 2016 ~ Aug. 04, 2016	Nov. 22, 2016	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 18, 2016 ~ Jul. 19, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 26, 2015	Jul. 18, 2016 ~ Jul. 19, 2016	Aug. 25, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2015	Jul. 18, 2016 ~ Jul. 19, 2016	Dec. 01, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 14, 2015	Jul. 18, 2016 ~ Jul. 19, 2016	Dec. 13, 2016	Conduction (CO05-HY)
Bilog Antenna	Schaffner	CBL6111C	2725	30MHz~1GHz	Nov. 17, 2015	Jul. 20, 2016 ~ Jul. 21, 2016	Nov. 16, 2016	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Jan. 07, 2016	Jul. 20, 2016 ~ Jul. 21, 2016	Jan. 06, 2017	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1156	1GHz~18GHz	Aug. 21, 2015	Jul. 20, 2016 ~ Jul. 21, 2016	Aug. 20, 2016	Radiation (03CH06-HY)
Preamplifier	Agilent	8449B	3008A01917	1GHz~26.5GHz	Apr. 18, 2016	Jul. 20, 2016 ~ Jul. 21, 2016	Apr. 17, 2017	Radiation (03CH06-HY)
Preamplifier	SONOMA	310N	186713	9kHz~1GHz	Apr. 19, 2016	Jul. 20, 2016 ~ Jul. 21, 2016	Apr. 18, 2017	Radiation (03CH06-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1850117	1GHz ~ 18GHz	Jun. 22, 2016	Jul. 20, 2016 ~ Jul. 21, 2016	Jun. 21, 2017	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF780208212	1m~4m	N/A	Jul. 20, 2016 ~ Jul. 21, 2016	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Jul. 20, 2016 ~ Jul. 21, 2016	N/A	Radiation (03CH06-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Jul. 20, 2016 ~ Jul. 21, 2016	Sep. 01, 2016	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz- 40GHz	Oct. 12, 2015	Jul. 20, 2016 ~ Jul. 21, 2016	Oct. 11, 2016	Radiation (03CH06-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	Jan. 05, 2016	Jul. 06, 2016 ~ Jul. 20, 2016	Jan. 04, 2017	Radiation (03CH13-HY)
Preamplifier	MITEQ	TTA 0204	1872107	2GHz ~ 40GHz	Feb. 15, 2016	Jul. 06, 2016 ~ Jul. 20, 2016	Feb. 14, 2017	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 14, 2016	Jul. 06, 2016 ~ Jul. 20, 2016	Mar. 13, 2017	Radiation (03CH13-HY)
Preamplifier	SONOMA	310N	187282	10MHz~1GHz	Dec. 31, 2015	Jul. 06, 2016 ~ Jul. 20, 2016	Dec. 30, 2016	Radiation (03CH13-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.26**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.9**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.3**

Appendix A. Conducted Test Results

<Antenna Type 1 with PTP Mode>

Report Number : FR581010

Test Engineer:	Bill Kuo	Temperature:	21~25	°C
Test Date:	2016/03/03~2016/08/04	Relative Humidity:	51~54	%

Report Number : FR581010

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	MCS0	2	1	2412	10.28	10.23	8.84	8.86	0.50	Pass
VHT10	MCS0	2	6	2437	10.23	10.22	8.86	8.84	0.50	Pass
VHT10	MCS0	2	11	2462	10.17	10.17	8.84	8.86	0.50	Pass
VHT20	MCS0	2	1	2412	18.55	18.65	16.96	16.96	0.50	Pass
VHT20	MCS0	2	6	2437	18.85	18.80	17.60	17.32	0.50	Pass
VHT20	MCS0	2	11	2462	18.35	18.25	17.28	16.92	0.50	Pass
VHT40	MCS0	2	3	2422	36.80	37.00	35.76	35.76	0.50	Pass
VHT40	MCS0	2	6	2437	37.10	37.10	36.32	35.76	0.50	Pass
VHT40	MCS0	2	9	2452	36.50	36.30	35.12	35.12	0.50	Pass

TEST RESULTS DATA
Peak Output Power

2.4GHz Band														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HT10	MCS0	2	1	2412	15.65	15.80	18.74	27.00		17.00		35.74		Pass
HT10	MCS0	2	6	2437	16.02	15.81	18.93	27.00		17.00		35.93		Pass
HT10	MCS0	2	11	2462	8.88	8.76	11.83	27.00		17.00		28.83		Pass
HT20	MCS0	2	1	2412	9.54	9.72	12.64	27.00		17.00		29.64		Pass
HT20	MCS0	2	6	2437	15.86	15.80	18.84	27.00		17.00		35.84		Pass
HT20	MCS0	2	11	2462	11.85	11.40	14.64	27.00		17.00		31.64		Pass
HT40	MCS0	2	3	2422	7.00	6.76	9.89	27.00		17.00		26.89		Pass
HT40	MCS0	2	6	2437	11.10	11.54	14.34	27.00		17.00		31.34		Pass
HT40	MCS0	2	9	2452	9.30	9.21	12.27	27.00		17.00		29.27		Pass
VHT10	MCS0	2	1	2412	16.10	15.82	18.97	27.00		17.00		35.97		Pass
VHT10	MCS0	2	6	2437	16.12	15.83	18.99	27.00		17.00		35.99		Pass
VHT10	MCS0	2	11	2462	8.98	8.89	11.95	27.00		17.00		28.95		Pass
VHT20	MCS0	2	1	2412	9.69	9.72	12.72	27.00		17.00		29.72		Pass
VHT20	MCS0	2	6	2437	15.99	15.95	18.98	27.00		17.00		35.98		Pass
VHT20	MCS0	2	11	2462	11.95	11.49	14.74	27.00		17.00		31.74		Pass
VHT40	MCS0	2	3	2422	7.05	6.85	9.96	27.00		17.00		26.96		Pass
VHT40	MCS0	2	6	2437	11.12	11.72	14.44	27.00		17.00		31.44		Pass
VHT40	MCS0	2	9	2452	9.36	9.39	12.39	27.00		17.00		29.39		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 Conducted Power (dBm)		
					Ant 1	Ant 2	Ant 1	Ant 2	SUM
HT10	MCS0	2	1	2412	0.39	0.33	10.69	10.09	13.41
HT10	MCS0	2	6	2437	0.39	0.33	11.70	11.65	14.68
HT10	MCS0	2	11	2462	0.39	0.33	2.85	2.75	5.81
HT20	MCS0	2	1	2412	0.48	0.45	3.60	3.09	6.37
HT20	MCS0	2	6	2437	0.48	0.45	10.35	9.96	13.17
HT20	MCS0	2	11	2462	0.48	0.45	5.29	4.91	8.12
HT40	MCS0	2	3	2422	0.93	0.85	0.92	0.15	3.56
HT40	MCS0	2	6	2437	0.93	0.85	4.99	5.90	8.48
HT40	MCS0	2	9	2452	0.93	0.85	2.56	2.57	5.58
VHT10	MCS0	2	1	2412	96.15	96.18	10.56	10.26	13.42
VHT10	MCS0	2	6	2437	96.15	96.18	11.76	11.69	14.74
VHT10	MCS0	2	11	2462	96.15	96.18	2.93	2.90	5.92
VHT20	MCS0	2	1	2412	0.23	0.23	3.52	3.42	6.48
VHT20	MCS0	2	6	2437	0.23	0.23	10.22	10.22	13.23
VHT20	MCS0	2	11	2462	0.23	0.23	5.35	5.08	8.23
VHT40	MCS0	2	3	2422	0.47	0.47	0.66	0.62	3.65
VHT40	MCS0	2	6	2437	0.47	0.47	5.39	5.59	8.51
VHT40	MCS0	2	9	2452	0.47	0.47	2.63	2.59	5.62

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
VHT10	MCS0	2	1	2412	-11.68	-12.97	-8.67	20.01		4.00		Pass
VHT10	MCS0	2	6	2437	-10.57	-10.88	-7.56	20.01		4.00		Pass
VHT10	MCS0	2	11	2462	-19.99	-20.96	-16.98	20.01		4.00		Pass
VHT20	MCS0	2	1	2412	-21.59	-21.88	-18.58	20.01		4.00		Pass
VHT20	MCS0	2	6	2437	-15.93	-16.00	-12.92	20.01		4.00		Pass
VHT20	MCS0	2	11	2462	-20.31	-20.81	-17.30	20.01		4.00		Pass
VHT40	MCS0	2	3	2422	-27.42	-26.64	-23.63	20.01		4.00		Pass
VHT40	MCS0	2	6	2437	-23.70	-23.09	-20.08	20.01		4.00		Pass
VHT40	MCS0	2	9	2452	-25.86	-26.49	-22.85	20.01		4.00		Pass

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

<Antenna Type 1 with PTMP Mode>

Report Number : FR581010

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	MCS0	2	1	2412	10.26	10.22	8.86	8.84	0.50	Pass
VHT10	MCS0	2	6	2437	10.32	10.23	8.86	8.84	0.50	Pass
VHT10	MCS0	2	11	2462	10.17	10.17	8.84	8.86	0.50	Pass
VHT20	MCS0	2	1	2412	18.60	18.70	16.96	16.96	0.50	Pass
VHT20	MCS0	2	6	2437	18.70	18.60	17.60	17.20	0.50	Pass
VHT20	MCS0	2	11	2462	18.50	18.30	17.32	16.96	0.50	Pass
VHT40	MCS0	2	3	2422	37.40	37.20	35.76	35.76	0.50	Pass
VHT40	MCS0	2	6	2437	37.10	37.20	36.32	35.76	0.50	Pass
VHT40	MCS0	2	9	2452	36.60	36.30	35.44	35.12	0.50	Pass

Report Number : FR581010

TEST RESULTS DATA
Peak Output Power

2.4GHz Band															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HT10	MCS0	2	1	2412	8.34	8.10	11.23	19.00		17.00		28.23		36.00		Pass
HT10	MCS0	2	6	2437	8.43	8.46	11.46	19.00		17.00		28.46		36.00		Pass
HT10	MCS0	2	11	2462	8.88	8.76	11.83	19.00		17.00		28.83		36.00		Pass
HT20	MCS0	2	1	2412	8.67	8.50	11.60	19.00		17.00		28.60		36.00		Pass
HT20	MCS0	2	6	2437	8.42	8.50	11.47	19.00		17.00		28.47		36.00		Pass
HT20	MCS0	2	11	2462	8.98	8.81	11.91	19.00		17.00		28.91		36.00		Pass
HT40	MCS0	2	3	2422	7.10	7.02	10.07	19.00		17.00		27.07		36.00		Pass
HT40	MCS0	2	6	2437	8.10	8.51	11.32	19.00		17.00		28.32		36.00		Pass
HT40	MCS0	2	9	2452	8.76	8.88	11.83	19.00		17.00		28.83		36.00		Pass
VHT10	MCS0	2	1	2412	8.44	8.15	11.31	19.00		17.00		28.31		36.00		Pass
VHT10	MCS0	2	6	2437	8.55	8.52	11.55	19.00		17.00		28.55		36.00		Pass
VHT10	MCS0	2	11	2462	8.98	8.89	11.95	19.00		17.00		28.95		36.00		Pass
VHT20	MCS0	2	1	2412	8.73	8.54	11.65	19.00		17.00		28.65		36.00		Pass
VHT20	MCS0	2	6	2437	8.57	8.52	11.56	19.00		17.00		28.56		36.00		Pass
VHT20	MCS0	2	11	2462	9.00	8.94	11.98	19.00		17.00		28.98		36.00		Pass
VHT40	MCS0	2	3	2422	7.12	7.09	10.12	19.00		17.00		27.12		36.00		Pass
VHT40	MCS0	2	6	2437	8.14	8.63	11.40	19.00		17.00		28.40		36.00		Pass
VHT40	MCS0	2	9	2452	8.82	9.08	11.96	19.00		17.00		28.96		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 Conducted Power (dBm)		
					Ant 1	Ant 2	Ant 1	Ant 2	SUM
HT10	MCS0	2	1	2412	0.39	0.33	2.39	2.13	5.27
HT10	MCS0	2	6	2437	0.39	0.33	2.51	2.55	5.54
HT10	MCS0	2	11	2462	0.39	0.33	2.94	2.98	5.97
HT20	MCS0	2	1	2412	0.48	0.45	2.44	2.21	5.34
HT20	MCS0	2	6	2437	0.48	0.45	2.57	2.51	5.55
HT20	MCS0	2	11	2462	0.48	0.45	2.73	2.57	5.66
HT40	MCS0	2	3	2422	0.93	0.85	1.13	0.90	4.03
HT40	MCS0	2	6	2437	0.93	0.85	2.79	2.97	5.89
HT40	MCS0	2	9	2452	0.93	0.85	2.53	2.61	5.58
VHT10	MCS0	2	1	2412	96.15	96.18	2.19	2.05	5.13
VHT10	MCS0	2	6	2437	96.15	96.18	2.34	2.46	5.41
VHT10	MCS0	2	11	2462	96.15	96.18	2.93	2.90	5.92
VHT20	MCS0	2	1	2412	0.23	0.23	2.23	2.12	5.19
VHT20	MCS0	2	6	2437	0.23	0.23	2.36	2.34	5.36
VHT20	MCS0	2	11	2462	0.23	0.23	2.58	2.46	5.53
VHT40	MCS0	2	3	2422	0.47	0.47	0.70	0.56	3.64
VHT40	MCS0	2	6	2437	0.47	0.47	2.40	2.65	5.54
VHT40	MCS0	2	9	2452	0.47	0.47	2.13	2.27	5.21

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

Report Number : FR581010

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
VHT10	MCS0	2	1	2412	-19.63	-20.27	-16.62	20.01		-6.01		Pass
VHT10	MCS0	2	6	2437	-18.92	-20.25	-15.91	20.01		-6.01		Pass
VHT10	MCS0	2	11	2462	-19.99	-20.96	-16.98	20.01		-6.01		Pass
VHT20	MCS0	2	1	2412	-23.88	-23.43	-20.42	20.01		-6.01		Pass
VHT20	MCS0	2	6	2437	-22.06	-22.03	-19.02	20.01		-6.01		Pass
VHT20	MCS0	2	11	2462	-22.42	-23.42	-19.41	20.01		-6.01		Pass
VHT40	MCS0	2	3	2422	-28.70	-27.68	-24.67	20.01		-6.01		Pass
VHT40	MCS0	2	6	2437	-25.89	-25.56	-22.55	20.01		-6.01		Pass
VHT40	MCS0	2	9	2452	-25.48	-25.81	-22.47	20.01		-6.01		Pass

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

<Antenna Type 2 with PTP Mode>

Report Number : FR581010

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	MCS0	2	1	2412	10.26	10.22	8.86	8.84	0.50	Pass
VHT10	MCS0	2	6	2437	10.32	10.23	8.86	8.84	0.50	Pass
VHT10	MCS0	2	11	2462	10.17	10.17	8.84	8.86	0.50	Pass
VHT20	MCS0	2	1	2412	18.60	18.70	16.96	17.00	0.50	Pass
VHT20	MCS0	2	6	2437	18.70	18.60	17.60	17.20	0.50	Pass
VHT20	MCS0	2	11	2462	18.50	18.30	17.32	16.96	0.50	Pass
VHT40	MCS0	2	3	2422	37.40	37.20	35.76	35.76	0.50	Pass
VHT40	MCS0	2	6	2437	37.10	37.20	36.36	35.84	0.50	Pass
VHT40	MCS0	2	9	2452	36.60	36.30	35.36	35.36	0.50	Pass

TEST RESULTS DATA
Peak Output Power

2.4GHz Band														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HT10	MCS0	2	1	2412	8.34	8.10	11.23	24.00		24.00		35.23		Pass
HT10	MCS0	2	6	2437	8.43	8.46	11.46	24.00		24.00		35.46		Pass
HT10	MCS0	2	11	2462	8.88	8.76	11.83	24.00		24.00		35.83		Pass
HT20	MCS0	2	1	2412	4.42	4.21	7.33	24.00		24.00		31.33		Pass
HT20	MCS0	2	6	2437	8.42	8.50	11.47	24.00		24.00		35.47		Pass
HT20	MCS0	2	11	2462	8.98	8.81	11.91	24.00		24.00		35.91		Pass
HT40	MCS0	2	3	2422	2.40	2.46	5.44	24.00		24.00		29.44		Pass
HT40	MCS0	2	6	2437	4.46	4.59	7.54	24.00		24.00		31.54		Pass
HT40	MCS0	2	9	2452	4.52	5.05	7.80	24.00		24.00		31.80		Pass
VHT10	MCS0	2	1	2412	8.44	8.15	11.31	24.00		24.00		35.31		Pass
VHT10	MCS0	2	6	2437	8.55	8.52	11.55	24.00		24.00		35.55		Pass
VHT10	MCS0	2	11	2462	8.98	8.89	11.95	24.00		24.00		35.95		Pass
VHT20	MCS0	2	1	2412	4.49	4.45	7.48	24.00		24.00		31.48		Pass
VHT20	MCS0	2	6	2437	8.57	8.52	11.56	24.00		24.00		35.56		Pass
VHT20	MCS0	2	11	2462	9.00	8.94	11.98	24.00		24.00		35.98		Pass
VHT40	MCS0	2	3	2422	2.45	2.49	5.48	24.00		24.00		29.48		Pass
VHT40	MCS0	2	6	2437	4.59	4.59	7.60	24.00		24.00		31.60		Pass
VHT40	MCS0	2	9	2452	4.57	5.09	7.85	24.00		24.00		31.85		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 Conducted Power (dBm)		
					Ant 1	Ant 2	Ant 1	Ant 2	SUM
HT10	MCS0	2	1	2412	0.39	0.33	2.39	2.13	5.27
HT10	MCS0	2	6	2437	0.39	0.33	2.51	2.55	5.54
HT10	MCS0	2	11	2462	0.39	0.33	2.94	2.98	5.97
HT20	MCS0	2	1	2412	0.48	0.45	-2.22	-2.57	0.62
HT20	MCS0	2	6	2437	0.48	0.45	2.57	2.51	5.55
HT20	MCS0	2	11	2462	0.48	0.45	2.73	2.57	5.66
HT40	MCS0	2	3	2422	0.93	0.85	-5.08	-5.11	-2.08
HT40	MCS0	2	6	2437	0.93	0.85	-1.87	-1.95	1.10
HT40	MCS0	2	9	2452	0.93	0.85	-1.86	-1.93	1.12
VHT10	MCS0	2	1	2412	96.15	96.18	2.19	2.05	5.13
VHT10	MCS0	2	6	2437	96.15	96.18	2.34	2.46	5.41
VHT10	MCS0	2	11	2462	96.15	96.18	2.93	2.90	5.92
VHT20	MCS0	2	1	2412	0.23	0.23	-2.52	-2.72	0.39
VHT20	MCS0	2	6	2437	0.23	0.23	2.36	2.34	5.36
VHT20	MCS0	2	11	2462	0.23	0.23	2.58	2.46	5.53
VHT40	MCS0	2	3	2422	0.47	0.47	-5.48	-5.44	-2.45
VHT40	MCS0	2	6	2437	0.47	0.47	-2.26	-2.28	0.74
VHT40	MCS0	2	9	2452	0.47	0.47	-2.24	-2.27	0.76

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

Report Number : FR581010

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
VHT10	MCS0	2	1	2412	-19.63	-20.27	-16.62	27.01		1.00		Pass
VHT10	MCS0	2	6	2437	-18.92	-20.25	-15.91	27.01		1.00		Pass
VHT10	MCS0	2	11	2462	-19.99	-20.96	-16.98	27.01		1.00		Pass
VHT20	MCS0	2	1	2412	-28.62	-28.53	-25.52	27.01		1.00		Pass
VHT20	MCS0	2	6	2437	-22.06	-22.03	-19.02	27.01		1.00		Pass
VHT20	MCS0	2	11	2462	-22.42	-23.42	-19.41	27.01		1.00		Pass
VHT40	MCS0	2	3	2422	-35.06	-34.29	-31.28	27.01		1.00		Pass
VHT40	MCS0	2	6	2437	-30.93	-30.85	-27.84	27.01		1.00		Pass
VHT40	MCS0	2	9	2452	-31.26	-31.27	-28.25	27.01		1.00		Pass

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

<Antenna Type 2 with PTMP Mode>

Report Number : FR581010

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	MCS0	2	1	2412	10.26	10.22	8.86	8.84	0.50	Pass
VHT10	MCS0	2	6	2437	10.32	10.23	8.86	8.84	0.50	Pass
VHT10	MCS0	2	11	2462	10.17	10.17	8.84	8.86	0.50	Pass
VHT20	MCS0	2	1	2412	18.60	18.70	16.96	17.00	0.50	Pass
VHT20	MCS0	2	6	2437	18.70	18.60	17.60	17.20	0.50	Pass
VHT20	MCS0	2	11	2462	18.50	18.30	17.32	16.96	0.50	Pass
VHT40	MCS0	2	3	2422	37.40	37.20	35.76	35.76	0.50	Pass
VHT40	MCS0	2	6	2437	37.10	37.20	36.36	35.84	0.50	Pass
VHT40	MCS0	2	9	2452	36.60	36.30	35.36	35.36	0.50	Pass

Report Number : FR581010

TEST RESULTS DATA
Peak Output Power

2.4GHz Band															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HT10	MCS0	2	1	2412	8.34	8.10	11.23	12.00		24.00		35.23		36.00		Pass
HT10	MCS0	2	6	2437	8.43	8.46	11.46	12.00		24.00		35.46		36.00		Pass
HT10	MCS0	2	11	2462	8.88	8.76	11.83	12.00		24.00		35.83		36.00		Pass
HT20	MCS0	2	1	2412	4.42	4.21	7.33	12.00		24.00		31.33		36.00		Pass
HT20	MCS0	2	6	2437	8.42	8.50	11.47	12.00		24.00		35.47		36.00		Pass
HT20	MCS0	2	11	2462	8.98	8.81	11.91	12.00		24.00		35.91		36.00		Pass
HT40	MCS0	2	3	2422	2.40	2.46	5.44	12.00		24.00		29.44		36.00		Pass
HT40	MCS0	2	6	2437	4.46	4.59	7.54	12.00		24.00		31.54		36.00		Pass
HT40	MCS0	2	9	2452	4.52	5.05	7.80	12.00		24.00		31.80		36.00		Pass
VHT10	MCS0	2	1	2412	8.44	8.15	11.31	12.00		24.00		35.31		36.00		Pass
VHT10	MCS0	2	6	2437	8.55	8.52	11.55	12.00		24.00		35.55		36.00		Pass
VHT10	MCS0	2	11	2462	8.98	8.89	11.95	12.00		24.00		35.95		36.00		Pass
VHT20	MCS0	2	1	2412	4.49	4.45	7.48	12.00		24.00		31.48		36.00		Pass
VHT20	MCS0	2	6	2437	8.57	8.52	11.56	12.00		24.00		35.56		36.00		Pass
VHT20	MCS0	2	11	2462	9.00	8.94	11.98	12.00		24.00		35.98		36.00		Pass
VHT40	MCS0	2	3	2422	2.45	2.49	5.48	12.00		24.00		29.48		36.00		Pass
VHT40	MCS0	2	6	2437	4.59	4.59	7.60	12.00		24.00		31.60		36.00		Pass
VHT40	MCS0	2	9	2452	4.57	5.09	7.85	12.00		24.00		31.85		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 Conducted Power (dBm)		
					Ant 1	Ant 2	Ant 1	Ant 2	SUM
HT10	MCS0	2	1	2412	0.39	0.33	2.39	2.13	5.27
HT10	MCS0	2	6	2437	0.39	0.33	2.51	2.55	5.54
HT10	MCS0	2	11	2462	0.39	0.33	2.94	2.98	5.97
HT20	MCS0	2	1	2412	0.48	0.45	-2.22	-2.57	0.62
HT20	MCS0	2	6	2437	0.48	0.45	2.57	2.51	5.55
HT20	MCS0	2	11	2462	0.48	0.45	2.73	2.57	5.66
HT40	MCS0	2	3	2422	0.93	0.85	-5.08	-5.11	-2.08
HT40	MCS0	2	6	2437	0.93	0.85	-1.87	-1.95	1.10
HT40	MCS0	2	9	2452	0.93	0.85	-1.86	-1.93	1.12
VHT10	MCS0	2	1	2412	96.15	96.18	2.19	2.05	5.13
VHT10	MCS0	2	6	2437	96.15	96.18	2.34	2.46	5.41
VHT10	MCS0	2	11	2462	96.15	96.18	2.93	2.90	5.92
VHT20	MCS0	2	1	2412	0.23	0.23	-2.52	-2.72	0.39
VHT20	MCS0	2	6	2437	0.23	0.23	2.36	2.34	5.36
VHT20	MCS0	2	11	2462	0.23	0.23	2.58	2.46	5.53
VHT40	MCS0	2	3	2422	0.47	0.47	-5.48	-5.44	-2.45
VHT40	MCS0	2	6	2437	0.47	0.47	-2.26	-2.28	0.74
VHT40	MCS0	2	9	2452	0.47	0.47	-2.24	-2.27	0.76

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

Report Number : FR581010

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
VHT10	MCS0	2	1	2412	-19.63	-20.27	-16.62	27.01		-13.01		Pass
VHT10	MCS0	2	6	2437	-18.92	-20.25	-15.91	27.01		-13.01		Pass
VHT10	MCS0	2	11	2462	-19.99	-20.96	-16.98	27.01		-13.01		Pass
VHT20	MCS0	2	1	2412	-28.62	-28.53	-25.52	27.01		-13.01		Pass
VHT20	MCS0	2	6	2437	-22.06	-22.03	-19.02	27.01		-13.01		Pass
VHT20	MCS0	2	11	2462	-22.42	-23.42	-19.41	27.01		-13.01		Pass
VHT40	MCS0	2	3	2422	-35.06	-34.29	-31.28	27.01		-13.01		Pass
VHT40	MCS0	2	6	2437	-30.93	-30.85	-27.84	27.01		-13.01		Pass
VHT40	MCS0	2	9	2452	-31.26	-31.27	-28.25	27.01		-13.01		Pass

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

<Antenna Type 3 with PTP Mode>

Report Number : FR581010

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	MCS0	2	1	2412	10.29	10.17	8.86	8.86	0.50	Pass
VHT10	MCS0	2	6	2437	10.22	10.26	8.86	8.84	0.50	Pass
VHT10	MCS0	2	11	2462	10.22	10.20	8.82	8.84	0.50	Pass
VHT20	MCS0	2	1	2412	18.55	18.55	16.96	16.96	0.50	Pass
VHT20	MCS0	2	6	2437	18.60	18.65	17.60	17.32	0.50	Pass
VHT20	MCS0	2	11	2462	18.50	18.50	17.32	16.68	0.50	Pass
VHT40	MCS0	2	3	2422	36.70	36.80	35.76	35.76	0.50	Pass
VHT40	MCS0	2	6	2437	37.10	37.10	36.32	35.76	0.50	Pass
VHT40	MCS0	2	9	2452	36.40	36.30	35.24	35.12	0.50	Pass

TEST RESULTS DATA
Peak Output Power

2.4GHz Band														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HT10	MCS0	2	1	2412	19.70	19.65	22.69	28.00		13.00		35.69		Pass
HT10	MCS0	2	6	2437	19.99	19.92	22.97	28.00		13.00		35.97		Pass
HT10	MCS0	2	11	2462	20.03	19.79	22.92	28.00		13.00		35.92		Pass
HT20	MCS0	2	1	2412	11.69	11.51	14.61	28.00		13.00		27.61		Pass
HT20	MCS0	2	6	2437	20.10	19.46	22.80	28.00		13.00		35.80		Pass
HT20	MCS0	2	11	2462	13.65	13.10	16.39	28.00		13.00		29.39		Pass
HT40	MCS0	2	3	2422	19.94	19.66	22.81	28.00		13.00		35.81		Pass
HT40	MCS0	2	6	2437	12.10	12.64	15.39	28.00		13.00		28.39		Pass
HT40	MCS0	2	9	2452	10.86	10.76	13.82	28.00		13.00		26.82		Pass
VHT10	MCS0	2	1	2412	19.79	19.69	22.75	28.00		13.00		35.75		Pass
VHT10	MCS0	2	6	2437	20.02	19.92	22.98	28.00		13.00		35.98		Pass
VHT10	MCS0	2	11	2462	20.10	19.81	22.97	28.00		13.00		35.97		Pass
VHT20	MCS0	2	1	2412	11.79	11.55	14.68	28.00		13.00		27.68		Pass
VHT20	MCS0	2	6	2437	20.01	19.95	22.99	28.00		13.00		35.99		Pass
VHT20	MCS0	2	11	2462	13.72	13.22	16.49	28.00		13.00		29.49		Pass
VHT40	MCS0	2	3	2422	20.05	19.91	22.99	28.00		13.00		35.99		Pass
VHT40	MCS0	2	6	2437	12.19	12.85	15.54	28.00		13.00		28.54		Pass
VHT40	MCS0	2	9	2452	11.09	10.99	14.05	28.00		13.00		27.05		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 Conducted Power (dBm)		
					Ant 1	Ant 2	Ant 1	Ant 2	SUM
HT10	MCS0	2	1	2412	0.39	0.33	14.93	14.44	17.70
HT10	MCS0	2	6	2437	0.39	0.33	15.09	15.09	18.10
HT10	MCS0	2	11	2462	0.39	0.33	15.47	14.79	18.15
HT20	MCS0	2	1	2412	0.48	0.45	5.28	5.21	8.26
HT20	MCS0	2	6	2437	0.48	0.45	15.13	15.05	18.10
HT20	MCS0	2	11	2462	0.48	0.45	7.31	6.90	10.12
HT40	MCS0	2	3	2422	0.93	0.85	14.18	13.40	16.82
HT40	MCS0	2	6	2437	0.93	0.85	6.24	6.28	9.27
HT40	MCS0	2	9	2452	0.93	0.85	4.05	4.01	7.04
VHT10	MCS0	2	1	2412	96.15	96.18	15.06	14.62	17.86
VHT10	MCS0	2	6	2437	96.15	96.18	15.22	15.26	18.25
VHT10	MCS0	2	11	2462	96.15	96.18	15.56	14.93	18.27
VHT20	MCS0	2	1	2412	0.23	0.23	5.32	5.22	8.28
VHT20	MCS0	2	6	2437	0.23	0.23	15.28	15.24	18.27
VHT20	MCS0	2	11	2462	0.23	0.23	7.35	6.88	10.14
VHT40	MCS0	2	3	2422	0.47	0.47	14.26	14.16	17.22
VHT40	MCS0	2	6	2437	0.47	0.47	6.36	6.66	9.53
VHT40	MCS0	2	9	2452	0.47	0.47	4.16	4.11	7.15

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
VHT10	MCS0	2	1	2412	-7.30	-8.24	-4.29	16.01		5.00		Pass
VHT10	MCS0	2	6	2437	-7.64	-6.97	-3.96	16.01		5.00		Pass
VHT10	MCS0	2	11	2462	-6.65	-7.68	-3.64	16.01		5.00		Pass
VHT20	MCS0	2	1	2412	-20.89	-20.75	-17.74	16.01		5.00		Pass
VHT20	MCS0	2	6	2437	-9.88	-10.06	-6.87	16.01		5.00		Pass
VHT20	MCS0	2	11	2462	-17.92	-18.16	-14.91	16.01		5.00		Pass
VHT40	MCS0	2	3	2422	-13.74	-14.62	-10.73	16.01		5.00		Pass
VHT40	MCS0	2	6	2437	-22.80	-20.94	-17.93	16.01		5.00		Pass
VHT40	MCS0	2	9	2452	-24.22	-23.70	-20.69	16.01		5.00		Pass

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

<Antenna Type 3 with PTMP Mode>

Report Number : FR581010

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	MCS0	2	1	2412	10.26	10.22	8.86	8.84	0.50	Pass
VHT10	MCS0	2	6	2437	10.32	10.23	8.86	8.84	0.50	Pass
VHT10	MCS0	2	11	2462	10.17	10.17	8.84	8.86	0.50	Pass
VHT20	MCS0	2	1	2412	18.60	18.70	16.96	16.96	0.50	Pass
VHT20	MCS0	2	6	2437	18.70	18.60	17.60	17.20	0.50	Pass
VHT20	MCS0	2	11	2462	18.50	18.30	17.32	16.96	0.50	Pass
VHT40	MCS0	2	3	2422	36.80	37.00	35.76	35.76	0.50	Pass
VHT40	MCS0	2	6	2437	37.10	37.20	36.32	35.76	0.50	Pass
VHT40	MCS0	2	9	2452	36.60	36.30	35.44	35.12	0.50	Pass

Report Number : FR581010

TEST RESULTS DATA
Peak Output Power

2.4GHz Band															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HT10	MCS0	2	1	2412	8.34	8.10	11.23	23.00		13.00		24.23		36.00		Pass
HT10	MCS0	2	6	2437	8.43	8.46	11.46	23.00		13.00		24.46		36.00		Pass
HT10	MCS0	2	11	2462	8.88	8.76	11.83	23.00		13.00		24.83		36.00		Pass
HT20	MCS0	2	1	2412	8.67	8.50	11.60	23.00		13.00		24.60		36.00		Pass
HT20	MCS0	2	6	2437	8.42	8.50	11.47	23.00		13.00		24.47		36.00		Pass
HT20	MCS0	2	11	2462	8.98	8.81	11.91	23.00		13.00		24.91		36.00		Pass
HT40	MCS0	2	3	2422	9.15	9.05	12.11	23.00		13.00		25.11		36.00		Pass
HT40	MCS0	2	6	2437	8.10	8.51	11.32	23.00		13.00		24.32		36.00		Pass
HT40	MCS0	2	9	2452	8.76	8.88	11.83	23.00		13.00		24.83		36.00		Pass
VHT10	MCS0	2	1	2412	8.44	8.15	11.31	23.00		13.00		24.31		36.00		Pass
VHT10	MCS0	2	6	2437	8.55	8.52	11.55	23.00		13.00		24.55		36.00		Pass
VHT10	MCS0	2	11	2462	8.98	8.89	11.95	23.00		13.00		24.95		36.00		Pass
VHT20	MCS0	2	1	2412	8.73	8.54	11.65	23.00		13.00		24.65		36.00		Pass
VHT20	MCS0	2	6	2437	8.57	8.52	11.56	23.00		13.00		24.56		36.00		Pass
VHT20	MCS0	2	11	2462	9.00	8.94	11.98	23.00		13.00		24.98		36.00		Pass
VHT40	MCS0	2	3	2422	9.29	9.09	12.20	23.00		13.00		25.20		36.00		Pass
VHT40	MCS0	2	6	2437	8.14	8.63	11.40	23.00		13.00		24.40		36.00		Pass
VHT40	MCS0	2	9	2452	8.82	9.08	11.96	23.00		13.00		24.96		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 Conducted Power (dBm)		
					Ant 1	Ant 2	Ant 1	Ant 2	SUM
HT10	MCS0	2	1	2412	0.39	0.33	2.39	2.13	5.27
HT10	MCS0	2	6	2437	0.39	0.33	2.51	2.55	5.54
HT10	MCS0	2	11	2462	0.39	0.33	2.94	2.98	5.97
HT20	MCS0	2	1	2412	0.48	0.45	2.44	2.21	5.34
HT20	MCS0	2	6	2437	0.48	0.45	2.57	2.51	5.55
HT20	MCS0	2	11	2462	0.48	0.45	2.73	2.57	5.66
HT40	MCS0	2	3	2422	0.93	0.85	3.43	3.35	6.40
HT40	MCS0	2	6	2437	0.93	0.85	2.79	2.97	5.89
HT40	MCS0	2	9	2452	0.93	0.85	2.53	2.61	5.58
VHT10	MCS0	2	1	2412	96.15	96.18	2.19	2.05	5.13
VHT10	MCS0	2	6	2437	96.15	96.18	2.34	2.46	5.41
VHT10	MCS0	2	11	2462	96.15	96.18	2.93	2.90	5.92
VHT20	MCS0	2	1	2412	0.23	0.23	2.23	2.12	5.19
VHT20	MCS0	2	6	2437	0.23	0.23	2.36	2.34	5.36
VHT20	MCS0	2	11	2462	0.23	0.23	2.58	2.46	5.53
VHT40	MCS0	2	3	2422	0.47	0.47	3.02	3.06	6.05
VHT40	MCS0	2	6	2437	0.47	0.47	2.40	2.65	5.54
VHT40	MCS0	2	9	2452	0.47	0.47	2.13	2.27	5.21

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

Report Number : FR581010

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
VHT10	MCS0	2	1	2412	-19.63	-20.27	-16.62	16.01		-2.01		Pass
VHT10	MCS0	2	6	2437	-18.92	-20.25	-15.91	16.01		-2.01		Pass
VHT10	MCS0	2	11	2462	-19.99	-20.96	-16.98	16.01		-2.01		Pass
VHT20	MCS0	2	1	2412	-23.88	-23.43	-20.42	16.01		-2.01		Pass
VHT20	MCS0	2	6	2437	-22.06	-22.03	-19.02	16.01		-2.01		Pass
VHT20	MCS0	2	11	2462	-22.42	-23.42	-19.41	16.01		-2.01		Pass
VHT40	MCS0	2	3	2422	-26.07	-25.39	-22.38	16.01		-2.01		Pass
VHT40	MCS0	2	6	2437	-25.89	-25.56	-22.55	16.01		-2.01		Pass
VHT40	MCS0	2	9	2452	-25.48	-25.81	-22.47	16.01		-2.01		Pass

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

Appendix B. Radiated Spurious Emission

Test Engineer :	Donny Tang	Temperature :	23~24°C
		Relative Humidity :	47~49%

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		2330.58	47.21	-26.79	74	48.08	27.02	6.67	34.56	104	296	P	H
		2374.785	35.46	-18.54	54	36.18	27.13	6.71	34.56	104	296	A	H
		2412	80.8	-50.5	131.3	81.4	27.21	6.75	34.56	104	296	P	H
		2412	71.18	-60.12	131.3	71.78	27.21	6.75	34.56	104	296	A	H
802.11ac		2355.885	47.34	-26.66	74	48.09	27.1	6.71	34.56	100	332	P	H
VHT20		2383.185	35.4	-18.6	54	36.12	27.13	6.71	34.56	100	332	A	H
CH 01		2412	77.06	-54.24	131.3	77.66	27.21	6.75	34.56	100	332	P	V
2412MHz		2412	66.79	-64.51	131.3	67.39	27.21	6.75	34.56	100	332	A	V
													V
													V
													V
													V
		2345.56	46.92	-27.08	74	47.71	27.06	6.71	34.56	122	297	P	H
		2375.24	35.46	-18.54	54	36.18	27.13	6.71	34.56	122	297	A	H
		2437	81.15	-50.15	131.3	81.57	27.29	6.84	34.55	122	297	P	H
		2437	71.45	-59.85	131.3	71.87	27.29	6.84	34.55	122	297	A	H
802.11ac		2498.95	47.29	-26.71	74	47.5	27.4	6.94	34.55	122	297	P	H
VHT20		2499.93	36.59	-17.41	54	36.8	27.4	6.94	34.55	122	297	A	H
CH 06		2350.18	47.08	-26.92	74	47.87	27.06	6.71	34.56	100	332	P	V
2437MHz		2372.86	35.45	-18.55	54	36.17	27.13	6.71	34.56	100	332	A	V
		2437	77.03	-54.27	131.3	77.45	27.29	6.84	34.55	100	332	P	V
		2437	67.03	-64.27	131.3	67.45	27.29	6.84	34.55	100	332	A	V
		2499.93	47.41	-26.59	74	47.62	27.4	6.94	34.55	100	332	P	V
		2500	36.26	-17.74	54	36.47	27.4	6.94	34.55	100	332	A	V

		2462	80.4	-50.9	131.3	80.79	27.32	6.84	34.55	150	298	P	H
		2462	71.32	-59.98	131.3	71.71	27.32	6.84	34.55	150	298	A	H
		2497.8	47.63	-26.37	74	47.84	27.4	6.94	34.55	150	298	P	H
		2499.96	36.69	-17.31	54	36.9	27.4	6.94	34.55	150	298	A	H
802.11ac		2462	76.54	-54.76	131.3	76.93	27.32	6.84	34.55	118	330	P	H
VHT20		2462	67.98	-63.32	131.3	68.37	27.32	6.84	34.55	118	330	A	H
CH 11		2499.6	40.81	-33.19	74	41.02	27.4	6.94	34.55	118	330	P	V
2462MHz		2499.76	31.04	-22.96	54	31.25	27.4	6.94	34.55	118	330	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		4824	38.47	-35.53	74	56.49	31.22	11.01	60.25	100	0	P	H
													H
802.11ac													H
VHT20													H
CH 01		4824	39.02	-34.98	74	57.04	31.22	11.01	60.25	100	0	P	V
2412MHz													V
													V
													V
		4874	39.05	-34.95	74	56.77	31.31	11.06	60.09	100	0	P	H
		7311	41.88	-32.12	74	54.33	35.98	11.71	60.14	100	0	P	H
802.11ac													H
VHT20													H
CH 06		4874	39.08	-34.92	74	56.8	31.31	11.06	60.09	100	0	P	V
2437MHz		7311	41.77	-32.23	74	54.22	35.98	11.71	60.14	100	0	P	V
													V
													V
		4924	40.93	-33.07	74	58.29	31.39	11.17	59.92	100	0	P	H
		7386	42.73	-31.27	74	55.13	36.17	11.55	60.12	100	0	P	H
802.11ac													H
VHT20													H
CH 11		4924	40.65	-33.35	74	58.01	31.39	11.17	59.92	100	0	P	V
2462MHz		7386	42.11	-31.89	74	54.51	36.17	11.55	60.12	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

2.4GHz *WIFI 802.11ac VHT20* (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)
2.4GHz 802.11ac VHT20 LF		125.04	38.72	-4.78	43.5	50.53	17.85	2.05	31.71			P	H
		189.84	40.38	-3.12	43.5	54.84	15.3	1.96	31.72	100	213	P	H
		300	36.78	-9.22	46	46.69	19.5	2.28	31.69			P	H
		750.1	31.87	-14.13	46	32.68	27.8	3.4	32.01			P	H
		874.7	32.01	-13.99	46	31.04	29.25	3.35	31.63			P	H
		899.9	34.21	-11.79	46	32.95	29.4	3.39	31.53			P	H
													H
													H
													H
													H
													H
													H
		30.54	38.64	-1.36	40	43.4	25.14	1.9	31.8	100	123	Q	V
		34.86	37.33	-2.67	40	44.3	22.9	1.92	31.79	100	197	Q	V
		41.88	38.31	-1.69	40	49.46	18.88	1.75	31.78			P	V
		500.2	30.99	-15.01	46	35.88	24.1	2.9	31.89			P	V
		599.6	33.01	-12.99	46	36.3	25.59	3.11	31.99			P	V
		953.8	32.86	-13.14	46	30.12	30.7	3.06	31.02			P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. 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 **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

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 CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

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

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/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(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/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(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

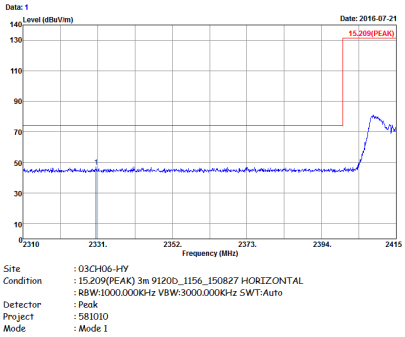
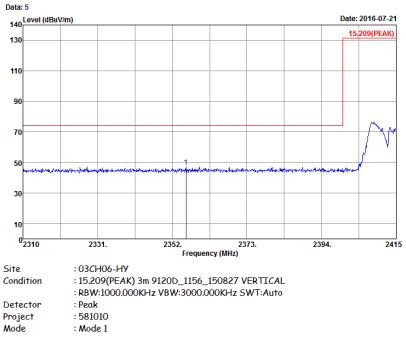
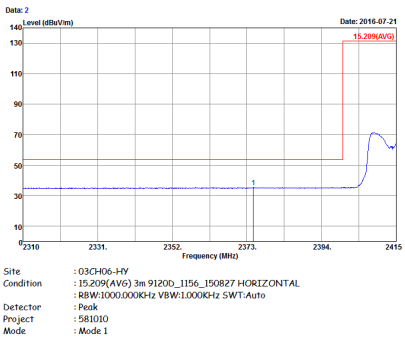
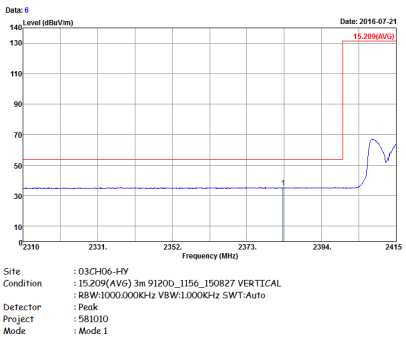
Appendix C. Radiated Spurious Emission Plots

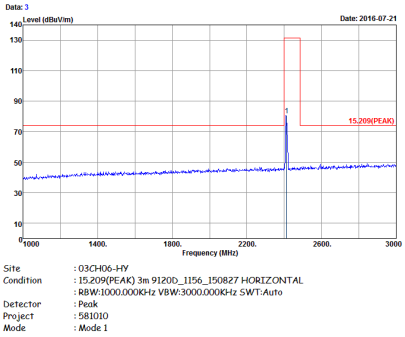
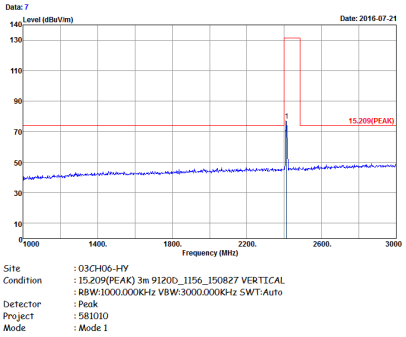
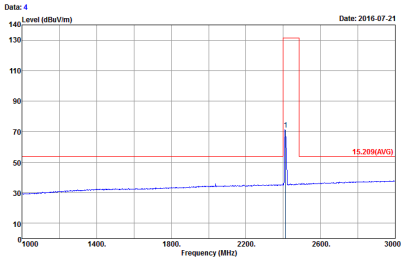
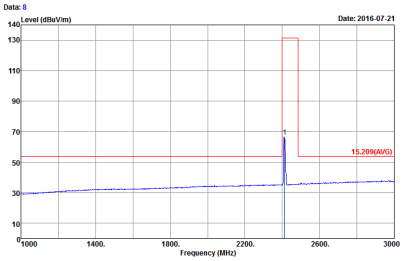
Note symbol

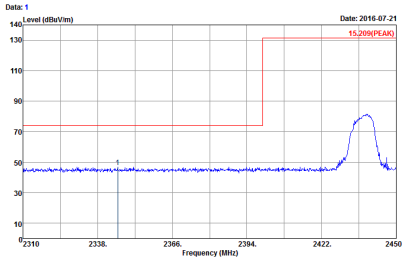
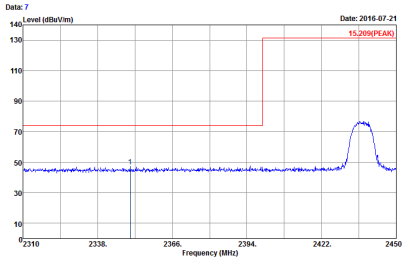
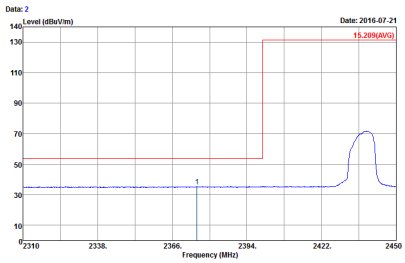
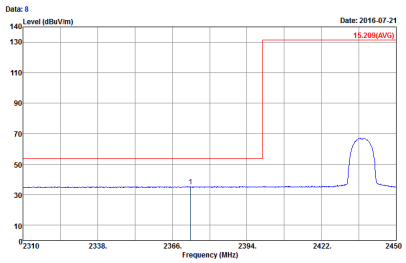
-L	**Low channel location**
-R	**High channel location**

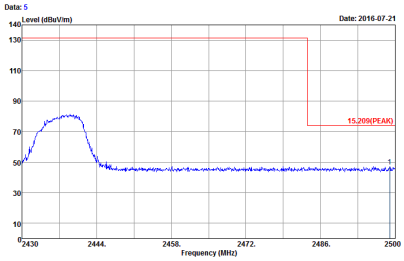
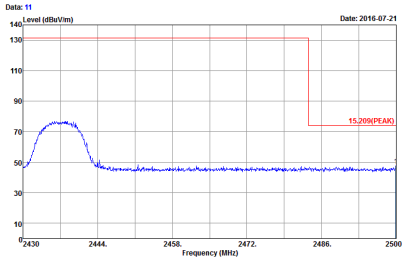
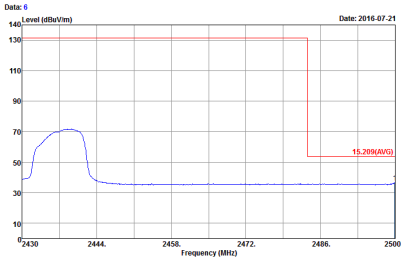
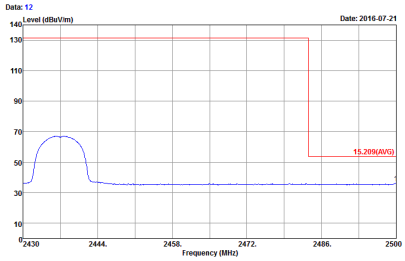
2.4GHz 2400~2483.5MHz

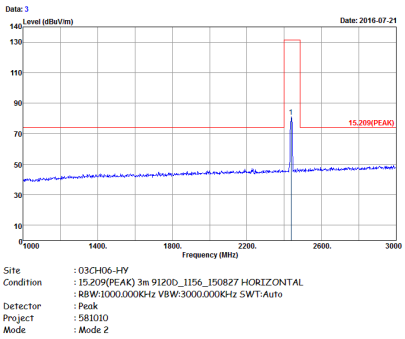
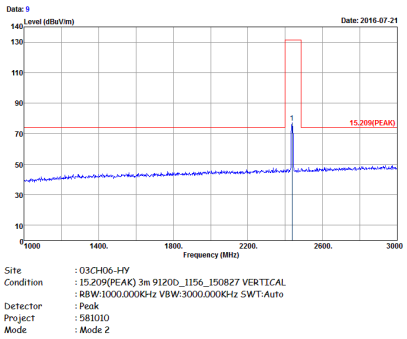
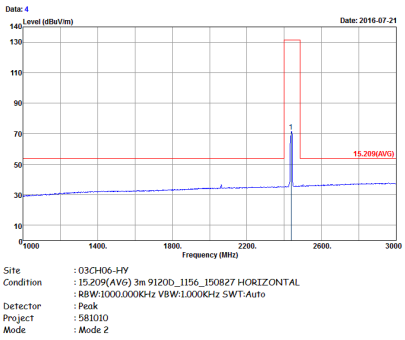
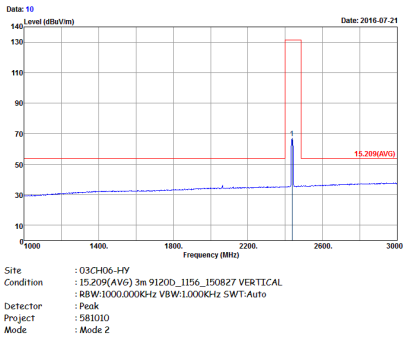
WIFI 802.11ac VHT20 (Band Edge @ 3m)

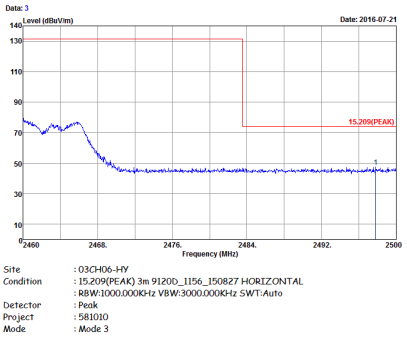
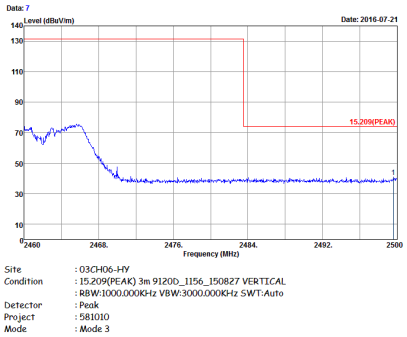
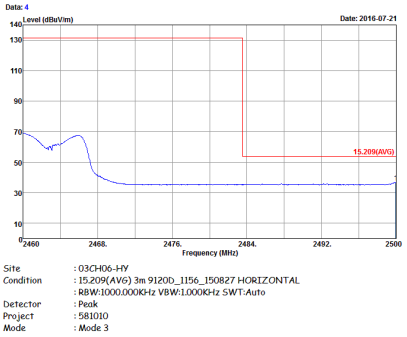
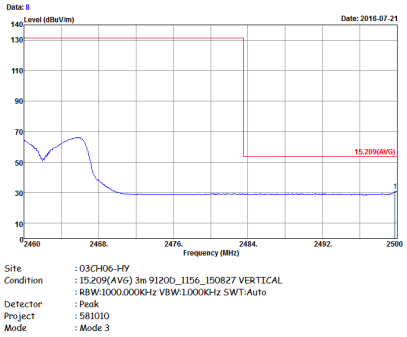
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH01 2412MHz	
1+2	Horizontal	Vertical
Peak		
Avg.		

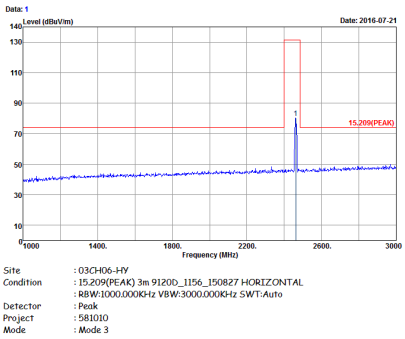
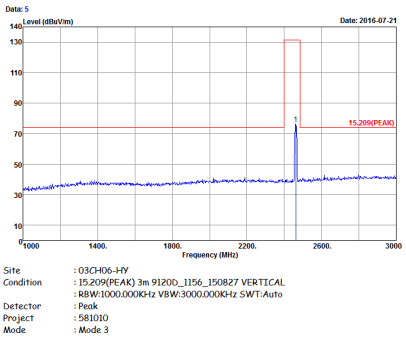
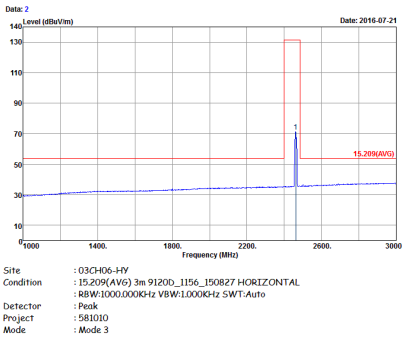
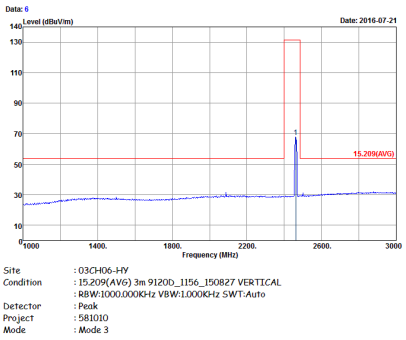
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11ac VHT20 CH01 2412MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH06-HY Condition : 15.209(PEAK) 3m 9120D_1156_150827 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 581010 Mode : Mode 1	 Site : 03CH06-HY Condition : 15.209(PEAK) 3m 9120D_1156_150827 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 581010 Mode : Mode 1
Avg.	 Site : 03CH06-HY Condition : 15.209(AVG) 3m 9120D_1156_150827 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 581010 Mode : Mode 1	 Site : 03CH06-HY Condition : 15.209(AVG) 3m 9120D_1156_150827 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 581010 Mode : Mode 1

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH06 2437MHz - L	
1+2	Horizontal	Vertical
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH06 2437MHz - R	
1+2	Horizontal	Vertical
Peak		
Avg.		

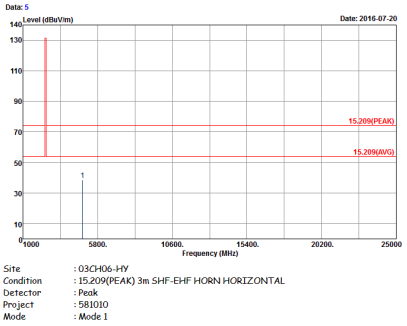
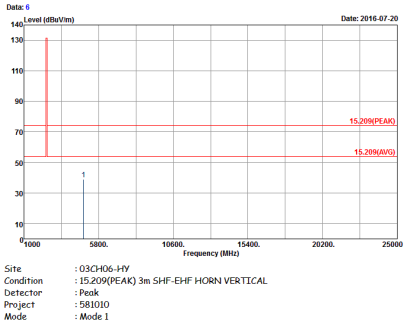
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11ac VHT20 CH06 2437MHz	
1+2	Horizontal	Vertical
Peak		
Avg.		

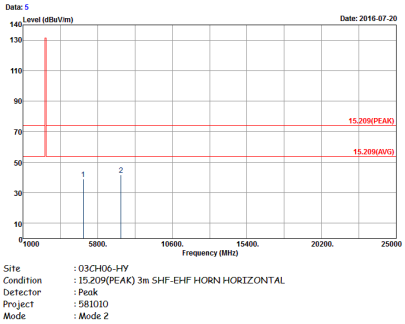
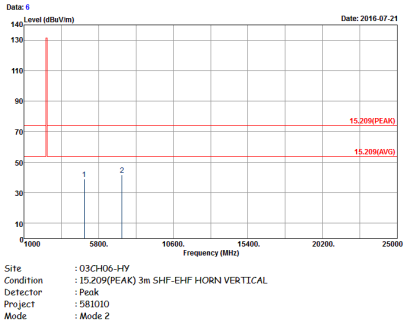
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH11 2462MHz	
1+2	Horizontal	Vertical
Peak		
Avg.		

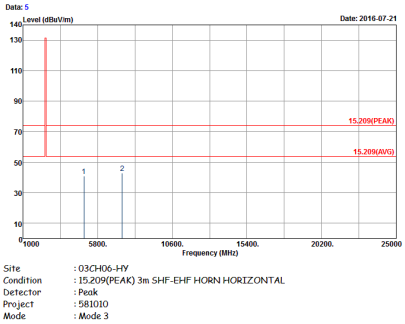
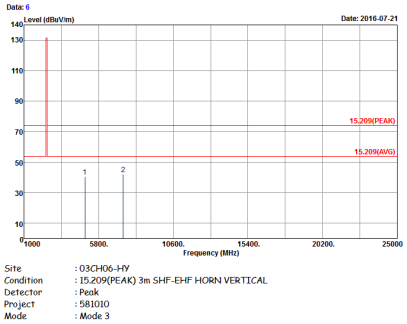
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11ac VHT20 CH11 2462MHz	
1+2	Horizontal	Vertical
Peak	 Site : 03CH06-HY Condition : 15.209(PEAK) 3m 9120D_1156_150827 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 581010 Mode : Mode 3	 Site : 03CH06-HY Condition : 15.209(PEAK) 3m 9120D_1156_150827 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 581010 Mode : Mode 3
Avg.	 Site : 03CH06-HY Condition : 15.209(AVG) 3m 9120D_1156_150827 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 581010 Mode : Mode 3	 Site : 03CH06-HY Condition : 15.209(AVG) 3m 9120D_1156_150827 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 581010 Mode : Mode 3

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

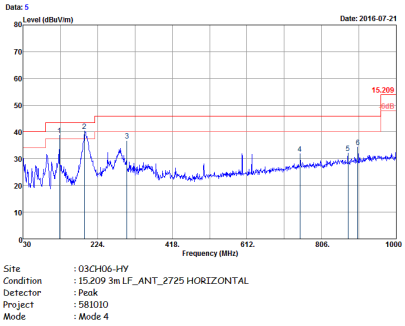
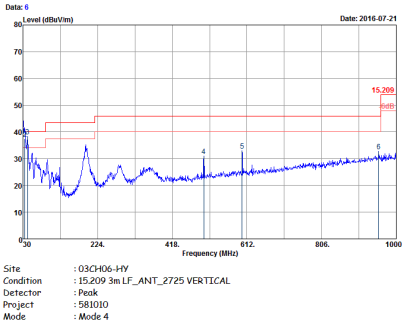
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH01 2412MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH06 2437MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH11 2462MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT20 (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ac VHT20 LF	
1+2	Horizontal	Vertical
QP / Peak		

Appendix D. Conducted Spurious Emission

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2390	-24.03	-2.83	-21.2	-8.55	13	2.5	33.99	0	3.01	P
		2390	-45.59	-4.39	-41.2	-30.11	13	2.5	33.99	0	3.01	A
	*	2410	24.87	-	-	40.35	13	2.5	33.99	0	3.01	P
	*	2408	14.97	-	-	30.45	13	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2390	-34.76	-13.56	-21.2	-19.28	13	2.5	33.99	0	3.01	P
		2390	-44.43	-3.23	-41.2	-28.95	13	2.5	33.99	0	3.01	A
	*	2440	14.55	-	-	30.06	13	2.5	34.02	0	3.01	P
	*	2440	6.88	-	-	22.39	13	2.5	34.02	0	3.01	A
802.11ac		2483.5	-37.4	-16.2	-21.2	-21.84	13	2.5	34.07	0	3.01	P
VHT10		2483.5	-48.94	-7.74	-41.2	-33.38	13	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2464	25.32	-	-	36.86	17	2.5	34.05	0	3.01	P	H
	*	2458	17.04	-	-	28.58	17	2.5	34.05	0	3.01	A	H
		2483.5	-21.38	-0.18	-21.2	-9.82	17	2.5	34.07	0	3.01	P	H
		2483.5	-45.13	-3.93	-41.2	-33.57	17	2.5	34.07	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4824	-79.92	-58.72	-21.2	-64.38	13	2.5	34.05	0	3.01	P
802.11ac												
VHT10												
CH 01												
2412MHz												
		4875	-80.53	-59.33	-21.2	-64.96	13	2.5	34.08	0	3.01	P
		7311	-71.25	-50.05	-21.2	-55.11	13	2.5	34.65	0	3.01	P
802.11ac												
VHT10												
CH 06												
2437MHz												
		4925	-77.09	-55.89	-21.2	-65.48	17	2.5	34.12	0	3.01	P
		7386	-69.4	-48.2	-21.2	-57.24	17	2.5	34.67	0	3.01	P
802.11ac												
VHT10												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2390	-28.45	-7.25	-21.2	-12.97	13	2.5	33.99	0	3.01	P
		2390	-41.68	-0.48	-41.2	-26.2	13	2.5	33.99	0	3.01	A
	*	2406	13.77	-	-	29.25	13	2.5	33.99	0	3.01	P
	*	2406	5.63	-	-	21.11	13	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2390	-27.18	-5.98	-21.2	-11.7	13	2.5	33.99	0	3.01	P
		2390	-42.69	-1.49	-41.2	-27.21	13	2.5	33.99	0	3.01	A
	*	2442	13.62	-	-	29.16	13	2.5	34.05	0	3.01	P
	*	2444	5.48	-	-	21.02	13	2.5	34.05	0	3.01	A
802.11ac		2483.5	-27.5	-6.3	-21.2	-11.94	13	2.5	34.07	0	3.01	P
VHT20		2483.5	-43.27	-2.07	-41.2	-27.71	13	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2458	14.2	-	-	29.74	13	2.5	34.05	0	3.01	P
	*	2460	6.34	-	-	21.88	13	2.5	34.05	0	3.01	A
		2483.5	-25.09	-3.89	-21.2	-9.53	13	2.5	34.07	0	3.01	P
		2483.5	-41.6	-0.4	-41.2	-26.04	13	2.5	34.07	0	3.01	A
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
802.11ac VHT20 CH 01 2412MHz		4825	-81.67	-60.47	-21.2	-66.13	13	2.5	34.05	0	3.01	P
802.11ac VHT20 CH 06 2437MHz		4875	-81.84	-60.64	-21.2	-66.27	13	2.5	34.08	0	3.01	P
		7311	-81.42	-60.22	-21.2	-65.28	13	2.5	34.65	0	3.01	P
802.11ac VHT20 CH 11 2462MHz		4925	-81.76	-60.56	-21.2	-66.15	13	2.5	34.12	0	3.01	P
		7386	-79.96	-58.76	-21.2	-63.8	13	2.5	34.67	0	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.38	-28.25	-7.05	-21.2	-12.79	13	2.5	33.97	0	3.01	P
		2389.785	-41.45	-0.25	-41.2	-25.97	13	2.5	33.99	0	3.01	A
	*	2422	9.28	-	-	24.79	13	2.5	34.02	0	3.01	P
	*	2422	0.25	-	-	15.76	13	2.5	34.02	0	3.01	A
802.11ac		2495.52	-42.73	-21.53	-21.2	-27.14	13	2.5	34.1	0	3.01	P
VHT40		2497.34	-53.8	-12.6	-41.2	-38.21	13	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2390	-30.22	-9.02	-21.2	-14.74	13	2.5	33.99	0	3.01	P
		2390	-43.34	-2.14	-41.2	-27.86	13	2.5	33.99	0	3.01	A
	*	2426	10.68	-	-	26.19	13	2.5	34.02	0	3.01	P
	*	2454	2.65	-	-	18.19	13	2.5	34.05	0	3.01	A
802.11ac		2483.5	-29.91	-8.71	-21.2	-14.35	13	2.5	34.07	0	3.01	P
VHT40		2483.5	-42.59	-1.39	-41.2	-27.03	13	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

		2390	-42.11	-20.91	-21.2	-26.63	13	2.5	33.99	0	3.01	P
		2390	-53.29	-12.09	-41.2	-37.81	13	2.5	33.99	0	3.01	A
	*	2460	8.39	-	-	23.93	13	2.5	34.05	0	3.01	P
	*	2462	0.78	-	-	16.32	13	2.5	34.05	0	3.01	A
802.11ac		2483.5	-28.86	-7.66	-21.2	-13.3	13	2.5	34.07	0	3.01	P
VHT40		2483.5	-41.55	-0.35	-41.2	-25.99	13	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-81.63	-60.43	-21.2	-66.08	13	2.5	34.06	0	3.01	P
		7266	-77.99	-56.79	-21.2	-61.85	13	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 03												
2422MHz												
		4875	-80.96	-59.76	-21.2	-65.39	13	2.5	34.08	0	3.01	P
		7311	-77.63	-56.43	-21.2	-61.49	13	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 06												
2437MHz												
		4900	-81.67	-60.47	-21.2	-66.08	13	2.5	34.1	0	3.01	P
		7356	-80.56	-59.36	-21.2	-64.4	13	2.5	34.67	0	3.01	P
802.11ac												
VHT40												
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
2.4GHz 802.11ac VHT10 LF		59.1	-87.75	-32.55	-55.2	-78.71	13	2.5	32.25	4.7	3.01	P
		136.7	-84.69	-32.99	-51.7	-75.7	13	2.5	32.2	4.7	3.01	P
		234.67	-84.68	-35.48	-49.2	-75.72	13	2.5	32.17	4.7	3.01	P
		369.5	-79.5	-30.3	-49.2	-70.61	13	2.5	32.1	4.7	3.01	P
		535.37	-77.63	-28.43	-49.2	-68.65	13	2.5	32.19	4.7	3.01	P
		827.34	-62.46	-13.26	-49.2	-53.86	13	2.5	31.81	4.7	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2390	-24.03	-2.83	-21.2	-8.55	13	2.5	33.99	0	3.01	P
		2390	-45.59	-4.39	-41.2	-30.11	13	2.5	33.99	0	3.01	A
	*	2410	24.87	-	-	40.35	13	2.5	33.99	0	3.01	P
	*	2408	14.97	-	-	30.45	13	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2390	-34.26	-13.06	-21.2	-18.78	13	2.5	33.99	0	3.01	P
		2390	-43.55	-2.35	-41.2	-28.07	13	2.5	33.99	0	3.01	A
	*	2440	14.54	-	-	30.05	13	2.5	34.02	0	3.01	P
	*	2440	6.15	-	-	21.66	13	2.5	34.02	0	3.01	A
802.11ac		2486.56	-38.04	-16.84	-21.2	-22.48	13	2.5	34.07	0	3.01	P
VHT10		2483.5	-49.3	-8.1	-41.2	-33.74	13	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2460	23.53	-	-	39.07	13	2.5	34.05	0	3.01	P	H
	*	2458	15.02	-	-	30.56	13	2.5	34.05	0	3.01	A	H
		2483.5	-24.69	-3.49	-21.2	-9.13	13	2.5	34.07	0	3.01	P	H
		2483.5	-49.35	-8.15	-41.2	-33.79	13	2.5	34.07	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-81.45	-60.25	-21.2	-65.91	13	2.5	34.05	0	3.01	P
802.11ac												
VHT10												
CH 01												
2412MHz												
		4875	-81.36	-60.16	-21.2	-65.79	13	2.5	34.08	0	3.01	P
		7266	-82.26	-61.06	-21.2	-66.12	13	2.5	34.65	0	3.01	P
802.11ac												
VHT10												
CH 06												
2437MHz												
		4925	-81.88	-60.68	-21.2	-66.27	13	2.5	34.12	0	3.01	P
		7386	-76.64	-55.44	-21.2	-60.48	13	2.5	34.67	0	3.01	P
802.11ac												
VHT10												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2390	-28.25	-7.05	-21.2	-12.77	13	2.5	33.99	0	3.01	P
		2390	-41.64	-0.44	-41.2	-26.16	13	2.5	33.99	0	3.01	A
	*	2406	13.88	-	-	29.36	13	2.5	33.99	0	3.01	P
	*	2406	5.59	-	-	21.07	13	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2389.65	-34.41	-13.21	-21.2	-18.95	13	2.5	33.97	0	3.01	P
		2389.515	-44.27	-3.07	-41.2	-28.81	13	2.5	33.97	0	3.01	P
	*	2430	14.3	-	-	29.81	13	2.5	34.02	0	3.01	P
	*	2446	5.49	-	-	21.03	13	2.5	34.05	0	3.01	A
802.11ac		2484.46	-38.92	-17.72	-21.2	-23.36	13	2.5	34.07	0	3.01	P
VHT20		2484.18	-48.95	-7.75	-41.2	-33.39	13	2.5	34.07	0	3.01	P
CH 06												
2437MHz												

	*	2458	14.09	-	-	29.63	13	2.5	34.05	0	3.01	P
	*	2456	6.23	-	-	21.77	13	2.5	34.05	0	3.01	A
		2483.5	-26.5	-5.3	-21.2	-10.94	13	2.5	34.07	0	3.01	P
		2483.5	-41.32	-0.12	-41.2	-25.76	13	2.5	34.07	0	3.01	A
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-81.24	-60.04	-21.2	-65.7	13	2.5	34.05	0	3.01	P
802.11ac												
VHT20												
CH 01												
2412MHz												
		4875	-82.07	-60.87	-21.2	-66.5	13	2.5	34.08	0	3.01	P
		7311	-76.1	-54.9	-21.2	-59.96	13	2.5	34.65	0	3.01	P
802.11ac												
VHT20												
CH 06												
2437MHz												
		4925	-81.2	-60	-21.2	-65.59	13	2.5	34.12	0	3.01	P
		7386	-82.2	-61	-21.2	-66.04	13	2.5	34.67	0	3.01	P
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2390	-27.89	-6.69	-21.2	-12.41	13	2.5	33.99	0	3.01	P
		2390	-41.96	-0.76	-41.2	-26.48	13	2.5	33.99	0	3.01	A
	*	2422	9.09	-	-	24.6	13	2.5	34.02	0	3.01	P
	*	2422	0.27	-	-	15.78	13	2.5	34.02	0	3.01	A
802.11ac		2496.89	-43.09	-21.89	-21.2	-27.5	13	2.5	34.1	0	3.01	P
VHT40		2496.71	-54.27	-13.07	-41.2	-38.68	13	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2386.68	-31.71	-10.51	-21.2	-16.25	13	2.5	33.97	0	3.01	P
		2390	-44.02	-2.82	-41.2	-28.54	13	2.5	33.99	0	3.01	A
	*	2437	11.24			26.75	13	2.5	34.02	0	3.01	P
	*	2437	3.02			18.53	13	2.5	34.02	0	3.01	A
802.11ac		2483.5	-28.77	-7.57	-21.2	-13.21	13	2.5	34.07	0	3.01	P
VHT40		2483.5	-41.45	-0.25	-41.2	-25.89	13	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

		2390	-42.7	-21.5	-21.2	-27.22	13	2.5	33.99	0	3.01	P
		2390	-52.68	-11.48	-41.2	-37.2	13	2.5	33.99	0	3.01	A
	*	2462	8.96	-	-	24.5	13	2.5	34.05	0	3.01	P
	*	2456	0.76	-	-	16.3	13	2.5	34.05	0	3.01	A
802.11ac		2483.5	-29.8	-8.6	-21.2	-14.24	13	2.5	34.07	0	3.01	P
VHT40		2483.5	-41.48	-0.28	-41.2	-25.92	13	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-82.11	-60.91	-21.2	-66.56	13	2.5	34.06	0	3.01	P
		7311	-79.55	-58.35	-21.2	-63.41	13	2.5	34.65	0	3.01	P
802.11ac VHT40 CH 03 2422MHz												
		4875	-81.84	-60.64	-21.2	-66.27	13	2.5	34.08	0	3.01	P
		7311	-82.16	-60.96	-21.2	-66.02	13	2.5	34.65	0	3.01	P
802.11ac VHT40 CH 06 2437MHz												
		4900	-81.56	-60.36	-21.2	-65.97	13	2.5	34.1	0	3.01	P
		7356	-82.54	-61.34	-21.2	-66.38	13	2.5	34.67	0	3.01	P
802.11ac VHT40 CH 09 2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
2.4GHz 802.11ac VHT10 LF		101.78	-82.19	-30.49	-51.7	-73.21	13	2.5	32.19	4.7	3.01	P
		199.75	-83.13	-31.43	-51.7	-74.11	13	2.5	32.23	4.7	3.01	P
		267.65	-83.57	-34.37	-49.2	-74.66	13	2.5	32.12	4.7	3.01	P
		470.38	-73.24	-24.04	-49.2	-64.29	13	2.5	32.16	4.7	3.01	P
		607.15	-66.78	-17.58	-49.2	-57.78	13	2.5	32.21	4.7	3.01	P
		823.46	-67.75	-18.55	-49.2	-59.13	13	2.5	31.83	4.7	3.01	P
Remark	1. No other spurious found. 2. 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 **over limit** line.
P/A	**P**eak or **A**verage

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

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2390	-42.32	-21.12	-21.2	-26.84	13	2.5	33.99	0	3.01	P
		2390	-52.3	-11.1	-41.2	-36.82	13	2.5	33.99	0	3.01	A
	*	2410	15.35	-	-	30.83	13	2.5	33.99	0	3.01	P
	*	2408	5.73	-	-	21.21	13	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2390	-34.76	-13.56	-21.2	-19.28	13	2.5	33.99	0	3.01	P
		2390	-44.43	-3.23	-41.2	-28.95	13	2.5	33.99	0	3.01	A
	*	2440	14.55	-	-	30.06	13	2.5	34.02	0	3.01	P
	*	2440	6.88	-	-	22.39	13	2.5	34.02	0	3.01	A
802.11ac		2485.09	-37.4	-16.2	-21.2	-21.84	13	2.5	34.07	0	3.01	P
VHT10		2483.5	-48.94	-7.74	-41.2	-33.38	13	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2464	15.31	-	-	30.85	13	2.5	34.05	0	3.01	P	H
	*	2466	5.57	-	-	21.11	13	2.5	34.05	0	3.01	A	H
		2483.7	-36.58	-15.38	-21.2	-21.02	13	2.5	34.07	0	3.01	P	H
		2497.7	-54.85	-13.65	-41.2	-39.26	13	2.5	34.1	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-81.58	-60.38	-21.2	-66.04	13	2.5	34.05	0	3.01	P
802.11ac												
VHT10												
CH 01												
2412MHz												
		4875	-80.53	-59.33	-21.2	-64.96	13	2.5	34.08	0	3.01	P
		7311	-71.25	-50.05	-21.2	-55.11	13	2.5	34.65	0	3.01	P
802.11ac												
VHT10												
CH 06												
2437MHz												
		4925	-81.15	-59.95	-21.2	-65.54	13	2.5	34.12	0	3.01	P
		7386	-81.67	-60.47	-21.2	-65.51	13	2.5	34.67	0	3.01	P
802.11ac												
VHT10												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.92	-35.2	-14	-21.2	-19.72	13	2.5	33.99	0	3.01	P
		2389.8	-48.7	-7.5	-41.2	-33.22	13	2.5	33.99	0	3.01	A
	*	2406	10.43	-	-	25.91	13	2.5	33.99	0	3.01	P
	*	2406	2.68	-	-	18.16	13	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2388.705	-39.78	-18.58	-21.2	-24.32	13	2.5	33.97	0	3.01	P
		2389.785	-49.87	-8.67	-41.2	-34.39	13	2.5	33.99	0	3.01	A
	*	2444	9.86	-	-	25.4	13	2.5	34.05	0	3.01	P
	*	2444	2.01	-	-	17.55	13	2.5	34.05	0	3.01	A
802.11ac		2484.74	-43.34	-22.14	-21.2	-27.78	13	2.5	34.07	0	3.01	P
VHT20		2483.62	-53.5	-12.3	-41.2	-37.94	13	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2464	10.16	-	-	25.7	13	2.5	34.05	0	3.01	P
	*	2460	2.18	-	-	17.72	13	2.5	34.05	0	3.01	A
		2483.5	-36.15	-14.95	-21.2	-20.59	13	2.5	34.07	0	3.01	P
		2483.5	-50.45	-9.25	-41.2	-34.89	13	2.5	34.07	0	3.01	A
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
802.11ac VHT20 CH 01 2412MHz		4825	-81.38	-60.18	-21.2	-65.84	13	2.5	34.05	0	3.01	P
802.11ac VHT20 CH 06 2437MHz		4875	-80.1	-58.9	-21.2	-64.53	13	2.5	34.08	0	3.01	P
		7311	-82.36	-61.16	-21.2	-66.22	13	2.5	34.65	0	3.01	P
802.11ac VHT20 CH 11 2462MHz		4925	-82.01	-60.81	-21.2	-66.4	13	2.5	34.12	0	3.01	P
		7386	-81.6	-60.4	-21.2	-65.44	13	2.5	34.67	0	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.785	-30.25	-9.05	-21.2	-14.77	13	2.5	33.99	0	3.01	P
		2389.92	-41.37	-0.17	-41.2	-25.89	13	2.5	33.99	0	3.01	A
	*	2412	8.79	-	-	24.27	13	2.5	33.99	0	3.01	P
	*	2410	0.35	-	-	15.83	13	2.5	33.99	0	3.01	A
802.11ac		2498.04	-46.66	-25.46	-21.2	-31.07	13	2.5	34.1	0	3.01	P
VHT40		2495.94	-56.64	-15.44	-41.2	-41.05	13	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2389.515	-38.55	-17.35	-21.2	-23.09	13	2.5	33.97	0	3.01	P
		2390	-50.38	-9.18	-41.2	-34.9	13	2.5	33.99	0	3.01	A
	*	2450	8.81	-	-	24.35	13	2.5	34.05	0	3.01	P
	*	2452	-0.31	-	-	15.23	13	2.5	34.05	0	3.01	A
802.11ac		2484.39	-38.6	-17.4	-21.2	-23.04	13	2.5	34.07	0	3.01	P
VHT40		2483.62	-51.55	-10.35	-41.2	-35.99	13	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

		2380.74	-43.04	-21.84	-21.2	-27.58	13	2.5	33.97	0	3.01	P
		2389.785	-53.48	-12.28	-41.2	-38	13	2.5	33.99	0	3.01	A
	*	2464	7.83	-	-	23.37	13	2.5	34.05	0	3.01	P
	*	2460	-0.36	-	-	15.18	13	2.5	34.05	0	3.01	A
802.11ac		2484.04	-32.84	-11.64	-21.2	-17.28	13	2.5	34.07	0	3.01	P
VHT40		2483.62	-43.72	-2.52	-41.2	-28.16	13	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-82.22	-61.02	-21.2	-66.67	13	2.5	34.06	0	3.01	P
		7266	-81.69	-60.49	-21.2	-65.55	13	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 03												
2422MHz												
		4875	-80.53	-59.33	-21.2	-64.96	13	2.5	34.08	0	3.01	P
		7311	-81.98	-60.78	-21.2	-65.84	13	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 06												
2437MHz												
		4900	-81.99	-60.79	-21.2	-66.4	13	2.5	34.1	0	3.01	P
		7356	-81.85	-60.65	-21.2	-65.69	13	2.5	34.67	0	3.01	P
802.11ac												
VHT40												
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
2.4GHz 802.11ac VHT10 LF		101.78	-83.3	-31.6	-51.7	-74.32	13	2.5	32.19	4.7	3.01	P
		142.52	-84.71	-33.01	-51.7	-75.71	13	2.5	32.21	4.7	3.01	P
		236.61	-84.03	-34.83	-49.2	-75.07	13	2.5	32.17	4.7	3.01	P
		401.51	-80.2	-31	-49.2	-71.3	13	2.5	32.11	4.7	3.01	P
		470.38	-78.15	-28.95	-49.2	-69.2	13	2.5	32.16	4.7	3.01	P
		826.37	-62.03	-12.83	-49.2	-53.42	13	2.5	31.82	4.7	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2390	-37.12	-15.92	-21.2	-21.64	13	2.5	33.99	0	3.01	P
		2390	-51.74	-10.54	-41.2	-36.26	13	2.5	33.99	0	3.01	A
	*	2408	15.14	-	-	30.62	13	2.5	33.99	0	3.01	P
	*	2408	5.78	-	-	21.26	13	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2390.055	-34.26	-13.06	-21.2	-18.78	13	2.5	33.99	0	3.01	P
		2390.055	-43.55	-2.35	-41.2	-28.07	13	2.5	33.99	0	3.01	A
	*	2440	14.54	-	-	30.05	13	2.5	34.02	0	3.01	P
	*	2440	6.15	-	-	21.66	13	2.5	34.02	0	3.01	A
802.11ac		2486.56	-38.04	-16.84	-21.2	-22.48	13	2.5	34.07	0	3.01	P
VHT10		2483.5	-49.3	-8.1	-41.2	-33.74	13	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2458	16.03	-	-	31.57	13	2.5	34.05	0	3.01	P	H
	*	2458	5.63	-	-	21.17	13	2.5	34.05	0	3.01	A	H
		2483.65	-37.01	-15.81	-21.2	-21.45	13	2.5	34.07	0	3.01	P	H
		2496.4	-54.68	-13.48	-41.2	-39.09	13	2.5	34.1	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
802.11g CH 01 2412MHz		4825	-81.08	-59.88	-21.2	-65.54	13	2.5	34.05	0	3.01	P
802.11g CH 06 2437MHz		4875	-82.06	-60.86	-21.2	-66.49	13	2.5	34.08	0	3.01	P
		7311	-82.88	-61.68	-21.2	-66.74	13	2.5	34.65	0	3.01	P
802.11g CH 11 2462MHz		4925	-81.88	-60.68	-21.2	-66.27	13	2.5	34.12	0	3.01	P
		7386	-82.9	-61.7	-21.2	-66.74	13	2.5	34.67	0	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.68	-35.86	-14.66	-21.2	-20.4	13	2.5	33.97	0	3.01	P
		2390	-48.08	-6.88	-41.2	-32.6	13	2.5	33.99	0	3.01	A
	*	2408	10.53	-	-	26.01	13	2.5	33.99	0	3.01	P
	*	2406	2.81	-	-	18.29	13	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2385.465	-39.34	-18.14	-21.2	-23.88	13	2.5	33.97	0	3.01	P
		2389.92	-49.15	-7.95	-41.2	-33.67	13	2.5	33.99	0	3.01	A
	*	2442	10.4	-	-	25.94	13	2.5	34.05	0	3.01	P
	*	2444	2.79	-	-	18.33	13	2.5	34.05	0	3.01	A
802.11ac		2486	-43.44	-22.24	-21.2	-27.88	13	2.5	34.07	0	3.01	P
VHT20		2484.95	-53.75	-12.55	-41.2	-38.19	13	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2458	10.66	-	-	26.2	13	2.5	34.05	0	3.01	P
	*	2456	2.52	-	-	18.06	13	2.5	34.05	0	3.01	A
		2485.05	-38.24	-17.04	-21.2	-22.68	13	2.5	34.07	0	3.01	P
		2483.5	-51.5	-10.3	-41.2	-35.94	13	2.5	34.07	0	3.01	A
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
802.11ac VHT20 CH 01 2412MHz		4825	-80.26	-59.06	-21.2	-64.72	13	2.5	34.05	0	3.01	P
802.11ac VHT20 CH 06 2437MHz		4875	-81.9	-60.7	-21.2	-66.33	13	2.5	34.08	0	3.01	P
		7311	-81.37	-60.17	-21.2	-65.23	13	2.5	34.65	0	3.01	P
802.11ac VHT20 CH 11 2462MHz		4925	-81.15	-59.95	-21.2	-65.54	13	2.5	34.12	0	3.01	P
		7386	-80.59	-59.39	-21.2	-64.43	13	2.5	34.67	0	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.38	-28.25	-7.05	-21.2	-12.79	13	2.5	33.97	0	3.01	P
		2389.785	-41.45	-0.25	-41.2	-25.97	13	2.5	33.99	0	3.01	A
	*	2422	9.28	-	-	24.79	13	2.5	34.02	0	3.01	P
	*	2422	0.25	-	-	15.76	13	2.5	34.02	0	3.01	A
802.11ac		2495.52	-42.73	-21.53	-21.2	-27.14	13	2.5	34.1	0	3.01	P
VHT40		2497.34	-53.8	-12.6	-41.2	-38.21	13	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2390	-37.81	-16.61	-21.2	-22.33	13	2.5	33.99	0	3.01	P
		2390	-49.47	-8.27	-41.2	-33.99	13	2.5	33.99	0	3.01	A
	*	2437	8.5	-	-	24.01	13	2.5	34.02	0	3.01	P
	*	2437	0.66	-	-	16.17	13	2.5	34.02	0	3.01	A
802.11ac		2483.97	-37.33	-16.13	-21.2	-21.77	13	2.5	34.07	0	3.01	P
VHT40		2483.5	-50.04	-8.84	-41.2	-34.48	13	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

		2389.92	-38.7	-17.5	-21.2	-23.22	13	2.5	33.99	0	3.01	P
		2389.785	-49.7	-8.5	-41.2	-34.22	13	2.5	33.99	0	3.01	A
	*	2452	8.45	-	-	23.99	13	2.5	34.05	0	3.01	P
	*	2450	0.59	-	-	16.13	13	2.5	34.05	0	3.01	A
802.11ac		2483.5	-35.98	-14.78	-21.2	-20.42	13	2.5	34.07	0	3.01	P
VHT40		2483.69	-50.11	-8.91	-41.2	-34.55	13	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-81.16	-59.96	-21.2	-65.61	13	2.5	34.06	0	3.01	P
		7266	-82.58	-61.38	-21.2	-66.44	13	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 03												
2422MHz												
		4875	-81.15	-59.95	-21.2	-65.58	13	2.5	34.08	0	3.01	P
		7311	-82.37	-61.17	-21.2	-66.23	13	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 06												
2437MHz												
		4900	-81.32	-60.12	-21.2	-65.73	13	2.5	34.1	0	3.01	P
		7356	-81.33	-60.13	-21.2	-65.17	13	2.5	34.67	0	3.01	P
802.11ac												
VHT40												
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
2.4GHz 802.11ac VHT10 LF		102.75	-83.36	-31.66	-51.7	-74.38	13	2.5	32.19	4.7	3.01	P
		165.8	-83.7	-32	-51.7	-74.69	13	2.5	32.22	4.7	3.01	P
		266.68	-83.19	-33.99	-49.2	-74.28	13	2.5	32.12	4.7	3.01	P
		469.41	-75.01	-25.81	-49.2	-66.06	13	2.5	32.16	4.7	3.01	P
		604.24	-67.23	-18.03	-49.2	-58.23	13	2.5	32.21	4.7	3.01	P
		826.37	-66.2	-17	-49.2	-57.59	13	2.5	31.82	4.7	3.01	P
Remark	1. No other spurious found. 2. 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 **over limit** line.
P/A	**P**eak or **A**verage

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

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2388	-27.6	-6.4	-21.2	-23.14	24	2.5	33.97	0	3.01	P
		2390	-41.59	-0.39	-41.2	-37.11	24	2.5	33.99	0	3.01	A
	*	2410	23.29	-	-	27.77	24	2.5	33.99	0	3.01	P
	*	2408	14.48	-	-	18.96	24	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2388.975	-30.8	-9.6	-21.2	-26.34	24	2.5	33.97	0	3.01	P
		2390	-41.94	-0.74	-41.2	-37.46	24	2.5	33.99	0	3.01	A
	*	2436	21.86	-	-	26.37	24	2.5	34.02	0	3.01	P
	*	2440	13.37	-	-	17.88	24	2.5	34.02	0	3.01	A
802.11ac		2484.04	-34.12	-12.92	-21.2	-29.56	24	2.5	34.07	0	3.01	P
VHT10		2484.32	-43.65	-2.45	-41.2	-39.09	24	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2466	23.09	-	-	27.63	24	2.5	34.05	0	3.01	P	H
	*	2460	14.47	-	-	19.01	24	2.5	34.05	0	3.01	A	H
		2483.55	-24.7	-3.5	-21.2	-20.14	24	2.5	34.07	0	3.01	P	H
		2497.4	-44.34	-3.14	-41.2	-39.75	24	2.5	34.1	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-69.33	-48.13	-21.2	-64.79	24	2.5	34.05	0	3.01	P
802.11ac												
VHT10												
CH 01												
2412MHz												
		4875	-71.7	-50.5	-21.2	-67.13	24	2.5	34.08	0	3.01	P
		7311	-71.36	-50.16	-21.2	-66.22	24	2.5	34.65	0	3.01	P
802.11ac												
VHT10												
CH 06												
2437MHz												
		4925	-70.82	-49.62	-21.2	-66.21	24	2.5	34.12	0	3.01	P
		7386	-69.91	-48.71	-21.2	-64.75	24	2.5	34.67	0	3.01	P
802.11ac												
VHT10												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2390	-30.49	-9.29	-21.2	-26.01	24	2.5	33.99	0	3.01	P
		2389.56	-41.69	-0.49	-41.2	-37.23	24	2.5	33.97	0	3.01	A
	*	2412	14.14	-	-	18.62	24	2.5	33.99	0	3.01	P
	*	2412	6.98	-	-	11.46	24	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2387.085	-31.46	-10.26	-21.2	-27	24	2.5	33.97	0	3.01	P
		2390	-41.44	-0.24	-41.2	-36.96	24	2.5	33.99	0	3.01	A
	*	2437	18.72	-	-	23.23	24	2.5	34.02	0	3.01	P
	*	2437	10.79	-	-	15.3	24	2.5	34.02	0	3.01	A
802.11ac		2485.09	-34.26	-13.06	-21.2	-29.7	24	2.5	34.07	0	3.01	P
VHT20		2483.55	-44.19	-2.99	-41.2	-39.63	24	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2464	19.24	-	-	23.78	24	2.5	34.05	0	3.01	P
	*	2466	11.43	-	-	15.97	24	2.5	34.05	0	3.01	A
		2484.45	-28.6	-7.4	-21.2	-24.04	24	2.5	34.07	0	3.01	P
		2483.5	-41.56	-0.36	-41.2	-37	24	2.5	34.07	0	3.01	A
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-70.2	-49	-21.2	-65.66	24	2.5	34.05	0	3.01	P
802.11ac												
VHT20												
CH 01												
2412MHz												
		4875	-70.66	-49.46	-21.2	-66.09	24	2.5	34.08	0	3.01	P
		7311	-71.26	-50.06	-21.2	-66.12	24	2.5	34.65	0	3.01	P
802.11ac												
VHT20												
CH 06												
2437MHz												
		4925	-71.14	-49.94	-21.2	-66.53	24	2.5	34.12	0	3.01	P
		7386	-70.66	-49.46	-21.2	-65.5	24	2.5	34.67	0	3.01	P
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.515	-30.39	-9.19	-21.2	-25.93	24	2.5	33.97	0	3.01	P
		2390	-41.66	-0.46	-41.2	-37.18	24	2.5	33.99	0	3.01	A
	*	2422	8.23	-	-	12.74	24	2.5	34.02	0	3.01	P
	*	2422	0.37	-	-	4.88	24	2.5	34.02	0	3.01	A
802.11ac		2484.46	-34.93	-13.73	-21.2	-30.37	24	2.5	34.07	0	3.01	P
VHT40		2499.23	-45.73	-4.53	-41.2	-41.14	24	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2389.92	-32.26	-11.06	-21.2	-27.78	24	2.5	33.99	0	3.01	P
		2389.92	-42.29	-1.09	-41.2	-37.81	24	2.5	33.99	0	3.01	A
	*	2437	11.12	-	-	15.63	24	2.5	34.02	0	3.01	P
	*	2437	2.83	-	-	7.34	24	2.5	34.02	0	3.01	A
802.11ac		2499.93	-34.9	-13.7	-21.2	-30.31	24	2.5	34.1	0	3.01	P
VHT40		2483.62	-45.69	-4.49	-41.2	-41.13	24	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

		2388.03	-32.33	-11.13	-21.2	-27.87	24	2.5	33.97	0	3.01	P
		2390.055	-42.27	-1.07	-41.2	-37.79	24	2.5	33.99	0	3.01	A
	*	2452	11.88	-	-	16.42	24	2.5	34.05	0	3.01	P
	*	2452	3.28	-	-	7.82	24	2.5	34.05	0	3.01	A
802.11ac		2483.9	-30.73	-9.53	-21.2	-26.17	24	2.5	34.07	0	3.01	P
VHT40		2483.5	-41.98	-0.78	-41.2	-37.42	24	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-70.3	-49.1	-21.2	-65.75	24	2.5	34.06	0	3.01	P
		7266	-70.76	-49.56	-21.2	-65.62	24	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 03												
2422MHz												
		4875	-70.98	-49.78	-21.2	-66.41	24	2.5	34.08	0	3.01	P
		7311	-71.67	-50.47	-21.2	-66.53	24	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 06												
2437MHz												
		4900	-69.08	-47.88	-21.2	-64.49	24	2.5	34.1	0	3.01	P
		7356	-71.43	-50.23	-21.2	-66.27	24	2.5	34.67	0	3.01	P
802.11ac												
VHT40												
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
2.4GHz 802.11ac VHT10 LF		70.74	-67.04	-11.84	-55.2	-72.82	24	6.3	32.23	4.7	3.01	P
		199.75	-69.11	-17.41	-51.7	-74.89	24	6.3	32.23	4.7	3.01	P
		369.5	-66.78	-17.58	-49.2	-72.69	24	6.3	32.1	4.7	3.01	P
		594.54	-50.91	-1.71	-49.2	-56.71	24	6.3	32.21	4.7	3.01	P
		827.34	-52.51	-3.31	-49.2	-58.71	24	6.3	31.81	4.7	3.01	P
		916.58	-53.22	-4.02	-49.2	-59.92	24	6.3	31.31	4.7	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2386.08	-27.51	-6.31	-21.2	-23.05	24	2.5	33.97	0	3.01	P
		2390	-42.17	-0.97	-41.2	-37.69	24	2.5	33.99	0	3.01	A
	*	2410	23.89	-	-	28.37	24	2.5	33.99	0	3.01	P
	*	2408	14.38	-	-	18.86	24	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2390	-29.84	-8.64	-21.2	-25.36	24	2.5	33.99	0	3.01	P
		2390	-42.18	-0.98	-41.2	-37.7	24	2.5	33.99	0	3.01	A
	*	2436	21.46	-	-	25.97	24	2.5	34.02	0	3.01	P
	*	2440	13.14	-	-	17.65	24	2.5	34.02	0	3.01	A
802.11ac		2483.69	-34.56	-13.36	-21.2	-30	24	2.5	34.07	0	3.01	P
VHT10		2484.46	-44.65	-3.45	-41.2	-40.09	24	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2460	24.01	-	-	28.55	24	2.5	34.05	0	3.01	P	H
	*	2458	14.64	-	-	19.18	24	2.5	34.05	0	3.01	A	H
		2483.95	-26.81	-5.61	-21.2	-22.25	24	2.5	34.07	0	3.01	P	H
		2498.8	-44.26	-3.06	-41.2	-39.67	24	2.5	34.1	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-71.11	-49.91	-21.2	-66.57	24	2.5	34.05	0	3.01	P
802.11ac												
VHT10												
CH 01												
2412MHz												
		4875	-70.9	-49.7	-21.2	-66.33	24	2.5	34.08	0	3.01	P
		7311	-71.9	-50.7	-21.2	-66.76	24	2.5	34.65	0	3.01	P
802.11ac												
VHT10												
CH 06												
2437MHz												
		4925	-70.76	-49.56	-21.2	-66.15	24	2.5	34.12	0	3.01	P
		7386	-70.34	-49.14	-21.2	-65.18	24	2.5	34.67	0	3.01	P
802.11ac												
VHT10												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.8	-31.51	-10.31	-21.2	-27.03	24	2.5	33.99	0	3.01	P
		2390	-41.74	-0.54	-41.2	-37.26	24	2.5	33.99	0	3.01	A
	*	2412	14.59	-	-	19.07	24	2.5	33.99	0	3.01	P
	*	2412	6.71	-	-	11.19	24	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2388.57	-31.45	-10.25	-21.2	-26.99	24	2.5	33.97	0	3.01	P
		2390	-41.56	-0.36	-41.2	-37.08	24	2.5	33.99	0	3.01	A
	*	2437	18.86	-	-	23.37	24	2.5	34.02	0	3.01	P
	*	2437	10.92	-	-	15.43	24	2.5	34.02	0	3.01	A
802.11ac		2488.94	-34.7	-13.5	-21.2	-30.14	24	2.5	34.07	0	3.01	P
VHT20		2485.16	-45.08	-3.88	-41.2	-40.52	24	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2458	19.3	-	-	23.84	24	2.5	34.05	0	3.01	P
	*	2458	11.42	-	-	15.96	24	2.5	34.05	0	3.01	A
		2483.55	-29.8	-8.6	-21.2	-25.24	24	2.5	34.07	0	3.01	P
		2483.5	-42.19	-0.99	-41.2	-37.63	24	2.5	34.07	0	3.01	A
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-70.07	-48.87	-21.2	-65.53	24	2.5	34.05	0	3.01	P
802.11ac												
VHT20												
CH 01												
2412MHz												
		4875	-69.86	-48.66	-21.2	-65.29	24	2.5	34.08	0	3.01	P
		7311	-70.17	-48.97	-21.2	-65.03	24	2.5	34.65	0	3.01	P
802.11ac												
VHT20												
CH 06												
2437MHz												
		4925	-70.99	-49.79	-21.2	-66.38	24	2.5	34.12	0	3.01	P
		7386	-70.79	-49.59	-21.2	-65.63	24	2.5	34.67	0	3.01	P
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.92	-30.36	-9.16	-21.2	-25.88	24	2.5	33.99	0	3.01	P
		2390	-41.42	-0.22	-41.2	-36.94	24	2.5	33.99	0	3.01	A
	*	2422	8.49	-	-	13	24	2.5	34.02	0	3.01	P
	*	2422	0.04	-	-	4.55	24	2.5	34.02	0	3.01	A
802.11ac		2496.92	-34.42	-13.22	-21.2	-29.83	24	2.5	34.1	0	3.01	P
VHT40		2500	-45.36	-4.16	-41.2	-40.77	24	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2388.975	-31.09	-9.89	-21.2	-26.63	24	2.5	33.97	0	3.01	P
		2390	-41.57	-0.37	-41.2	-37.09	24	2.5	33.99	0	3.01	A
	*	2437	12.51	-	-	17.02	24	2.5	34.02	0	3.01	P
	*	2437	4.39	-	-	8.9	24	2.5	34.02	0	3.01	A
802.11ac		2500	-34.04	-12.84	-21.2	-29.45	24	2.5	34.1	0	3.01	P
VHT40		2499.79	-44.95	-3.75	-41.2	-40.36	24	2.5	34.1	0	3.01	A
CH 06												
2437MHz												

		2386.68	-30.36	-9.16	-21.2	-25.9	24	2.5	33.97	0	3.01	P
		2390	-41.57	-0.37	-41.2	-37.09	24	2.5	33.99	0	3.01	A
	*	2460	13.18	-	-	17.72	24	2.5	34.05	0	3.01	P
	*	2460	4.38	-	-	8.92	24	2.5	34.05	0	3.01	A
802.11ac		2483.62	-30.41	-9.21	-21.2	-25.85	24	2.5	34.07	0	3.01	P
VHT40		2483.69	-42.11	-0.91	-41.2	-37.55	24	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-70.1	-48.9	-21.2	-65.55	24	2.5	34.06	0	3.01	P
		7266	-70.95	-49.75	-21.2	-65.81	24	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 03												
2422MHz												
		4875	-69.85	-48.65	-21.2	-65.28	24	2.5	34.08	0	3.01	P
		7311	-71.47	-50.27	-21.2	-66.33	24	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 06												
2437MHz												
		4900	-70.62	-49.42	-21.2	-66.03	24	2.5	34.1	0	3.01	P
		7356	-70.43	-49.23	-21.2	-65.27	24	2.5	34.67	0	3.01	P
802.11ac												
VHT40												
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
2.4GHz 802.11ac VHT10 LF		70.74	-69.04	-13.84	-55.2	-74.82	24	6.3	32.23	4.7	3.01	P
		168.71	-68.5	-16.8	-51.7	-74.29	24	6.3	32.22	4.7	3.01	P
		236.61	-68.27	-19.07	-49.2	-74.11	24	6.3	32.17	4.7	3.01	P
		499.48	-58.36	-9.16	-49.2	-64.19	24	6.3	32.18	4.7	3.01	P
		628.49	-52.73	-3.53	-49.2	-58.54	24	6.3	32.2	4.7	3.01	P
		826.37	-52.78	-3.58	-49.2	-58.97	24	6.3	31.82	4.7	3.01	P
Remark	1. No other spurious found. 2. 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 **over limit** line.
P/A	**P**eak or **A**verage

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

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2388	-27.6	-6.4	-21.2	-23.14	24	2.5	33.97	0	3.01	P
		2390	-41.59	-0.39	-41.2	-37.11	24	2.5	33.99	0	3.01	A
	*	2410	23.29	-	-	27.77	24	2.5	33.99	0	3.01	P
	*	2408	14.48	-	-	18.96	24	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2388.975	-30.8	-9.6	-21.2	-26.34	24	2.5	33.97	0	3.01	P
		2390	-41.94	-0.74	-41.2	-37.46	24	2.5	33.99	0	3.01	A
	*	2436	21.86	-	-	26.37	24	2.5	34.02	0	3.01	P
	*	2440	13.37	-	-	17.88	24	2.5	34.02	0	3.01	A
802.11ac		2484.04	-34.12	-12.92	-21.2	-29.56	24	2.5	34.07	0	3.01	P
VHT10		2484.32	-43.65	-2.45	-41.2	-39.09	24	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2466	23.09	-	-	27.63	24	2.5	34.05	0	3.01	P	H
	*	2460	14.47	-	-	19.01	24	2.5	34.05	0	3.01	A	H
		2483.55	-24.7	-3.5	-21.2	-20.14	24	2.5	34.07	0	3.01	P	H
		2497.4	-44.34	-3.14	-41.2	-39.75	24	2.5	34.1	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-70.1	-48.9	-21.2	-65.56	24	2.5	34.05	0	3.01	P
802.11ac												
VHT10												
CH 01												
2412MHz												
		4875	-70.21	-49.01	-21.2	-65.64	24	2.5	34.08	0	3.01	P
		7311	-70.03	-48.83	-21.2	-64.89	24	2.5	34.65	0	3.01	P
802.11ac												
VHT10												
CH 06												
2437MHz												
		4925	-70.4	-49.2	-21.2	-65.79	24	2.5	34.12	0	3.01	P
		7386	-70.65	-49.45	-21.2	-65.49	24	2.5	34.67	0	3.01	P
802.11ac												
VHT10												
CH 11												
2462MHz												

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2390	-30.49	-9.29	-21.2	-26.01	24	2.5	33.99	0	3.01	P
		2389.56	-41.69	-0.49	-41.2	-37.23	24	2.5	33.97	0	3.01	A
	*	2412	14.14	-	-	18.62	24	2.5	33.99	0	3.01	P
	*	2412	6.98	-	-	11.46	24	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2387.085	-31.46	-10.26	-21.2	-27	24	2.5	33.97	0	3.01	P
		2390	-41.44	-0.24	-41.2	-36.96	24	2.5	33.99	0	3.01	A
	*	2437	18.72	-	-	23.23	24	2.5	34.02	0	3.01	P
	*	2437	10.79	-	-	15.3	24	2.5	34.02	0	3.01	A
802.11ac		2485.09	-34.26	-13.06	-21.2	-29.7	24	2.5	34.07	0	3.01	P
VHT20		2483.55	-44.19	-2.99	-41.2	-39.63	24	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2464	19.24	-	-	23.78	24	2.5	34.05	0	3.01	P
	*	2466	11.43	-	-	15.97	24	2.5	34.05	0	3.01	A
		2484.45	-28.6	-7.4	-21.2	-24.04	24	2.5	34.07	0	3.01	P
		2483.5	-41.56	-0.36	-41.2	-37	24	2.5	34.07	0	3.01	A
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-70.62	-49.42	-21.2	-66.08	24	2.5	34.05	0	3.01	P
802.11ac												
VHT20												
CH 01												
2412MHz												
		4875	-69.67	-48.47	-21.2	-65.1	24	2.5	34.08	0	3.01	P
		7311	-71.02	-49.82	-21.2	-65.88	24	2.5	34.65	0	3.01	P
802.11ac												
VHT20												
CH 06												
2437MHz												
		4925	-70.59	-49.39	-21.2	-65.98	24	2.5	34.12	0	3.01	P
		7386	-70.48	-49.28	-21.2	-65.32	24	2.5	34.67	0	3.01	P
802.11ac												
VHT20												
CH 11												
2462MHz												

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.515	-30.39	-9.19	-21.2	-25.93	24	2.5	33.97	0	3.01	P
		2390	-41.66	-0.46	-41.2	-37.18	24	2.5	33.99	0	3.01	A
	*	2422	8.23	-	-	12.74	24	2.5	34.02	0	3.01	P
	*	2422	0.37	-	-	4.88	24	2.5	34.02	0	3.01	A
802.11ac		2484.46	-34.93	-13.73	-21.2	-30.37	24	2.5	34.07	0	3.01	P
VHT40		2499.23	-45.73	-4.53	-41.2	-41.14	24	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2389.92	-32.26	-11.06	-21.2	-27.78	24	2.5	33.99	0	3.01	P
		2389.92	-42.29	-1.09	-41.2	-37.81	24	2.5	33.99	0	3.01	A
	*	2437	11.12	-	-	15.63	24	2.5	34.02	0	3.01	P
	*	2437	2.83	-	-	7.34	24	2.5	34.02	0	3.01	A
802.11ac		2499.93	-34.9	-13.7	-21.2	-30.31	24	2.5	34.1	0	3.01	P
VHT40		2483.62	-45.69	-4.49	-41.2	-41.13	24	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

		2388.03	-32.33	-11.13	-21.2	-27.87	24	2.5	33.97	0	3.01	P
		2390.055	-42.27	-1.07	-41.2	-37.79	24	2.5	33.99	0	3.01	A
	*	2452	11.88	-	-	16.42	24	2.5	34.05	0	3.01	P
	*	2452	3.28	-	-	7.82	24	2.5	34.05	0	3.01	A
802.11ac		2483.9	-30.73	-9.53	-21.2	-26.17	24	2.5	34.07	0	3.01	P
VHT40		2483.5	-41.98	-0.78	-41.2	-37.42	24	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-69.86	-48.66	-21.2	-65.31	24	2.5	34.06	0	3.01	P
		7266	-71.06	-49.86	-21.2	-65.92	24	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 03												
2422MHz												
		4875	-69.98	-48.78	-21.2	-65.41	24	2.5	34.08	0	3.01	P
		7311	-71.15	-49.95	-21.2	-66.01	24	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 06												
2437MHz												
		4900	-70.21	-49.01	-21.2	-65.62	24	2.5	34.1	0	3.01	P
		7356	-70.19	-48.99	-21.2	-65.03	24	2.5	34.67	0	3.01	P
802.11ac												
VHT40												
CH 09												
2452MHz												

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Grounding	MIMO	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Gain	Avg.
1+2(1)		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(dB)	(dBi)	(P/A)
2.4GHz 802.11ac VHT10 LF		69.77	-67.28	-12.08	-55.2	-73.06	24	6.3	32.23	4.7	3.01	P
		199.75	-68.65	-16.95	-51.7	-74.43	24	6.3	32.23	4.7	3.01	P
		266.68	-66.66	-17.46	-49.2	-72.55	24	6.3	32.12	4.7	3.01	P
		401.51	-65.68	-16.48	-49.2	-71.58	24	6.3	32.11	4.7	3.01	P
		536.34	-52.82	-3.62	-49.2	-58.64	24	6.3	32.19	4.7	3.01	P
		696.39	-51.59	-2.39	-49.2	-57.44	24	6.3	32.16	4.7	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2386.08	-27.51	-6.31	-21.2	-23.05	24	2.5	33.97	0	3.01	P
		2390	-42.17	-0.97	-41.2	-37.69	24	2.5	33.99	0	3.01	A
	*	2410	23.89	-	-	28.37	24	2.5	33.99	0	3.01	P
	*	2408	14.38	-	-	18.86	24	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2390	-29.84	-8.64	-21.2	-25.36	24	2.5	33.99	0	3.01	P
		2390	-42.18	-0.98	-41.2	-37.7	24	2.5	33.99	0	3.01	A
	*	2436	21.46	-	-	25.97	24	2.5	34.02	0	3.01	P
	*	2440	13.14	-	-	17.65	24	2.5	34.02	0	3.01	A
802.11ac		2483.69	-34.56	-13.36	-21.2	-30	24	2.5	34.07	0	3.01	P
VHT10		2484.46	-44.65	-3.45	-41.2	-40.09	24	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2460	24.01	-	-	28.55	24	2.5	34.05	0	3.01	P	H
	*	2458	14.64	-	-	19.18	24	2.5	34.05	0	3.01	A	H
		2483.95	-26.81	-5.61	-21.2	-22.25	24	2.5	34.07	0	3.01	P	H
		2498.8	-44.26	-3.06	-41.2	-39.67	24	2.5	34.1	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-70.77	-49.57	-21.2	-66.23	24	2.5	34.05	0	3.01	P
802.11ac												
VHT10												
CH 01												
2412MHz												
		4875	-70.74	-49.54	-21.2	-66.17	24	2.5	34.08	0	3.01	P
		7311	-71.4	-50.2	-21.2	-66.26	24	2.5	34.65	0	3.01	P
802.11ac												
VHT10												
CH 06												
2437MHz												
		4925	-71.75	-50.55	-21.2	-67.14	24	2.5	34.12	0	3.01	P
		7386	-70.93	-49.73	-21.2	-65.77	24	2.5	34.67	0	3.01	P
802.11ac												
VHT10												
CH 11												
2462MHz												

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.8	-31.51	-10.31	-21.2	-27.03	24	2.5	33.99	0	3.01	P
		2390	-41.74	-0.54	-41.2	-37.26	24	2.5	33.99	0	3.01	A
	*	2412	14.59	-	-	19.07	24	2.5	33.99	0	3.01	P
	*	2412	6.71	-	-	11.19	24	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2388.57	-31.45	-10.25	-21.2	-26.99	24	2.5	33.97	0	3.01	P
		2390	-41.56	-0.36	-41.2	-37.08	24	2.5	33.99	0	3.01	A
	*	2437	18.86	-	-	23.37	24	2.5	34.02	0	3.01	P
	*	2437	10.92	-	-	15.43	24	2.5	34.02	0	3.01	A
802.11ac		2488.94	-34.7	-13.5	-21.2	-30.14	24	2.5	34.07	0	3.01	P
VHT20		2485.16	-45.08	-3.88	-41.2	-40.52	24	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2458	19.3	-	-	23.84	24	2.5	34.05	0	3.01	P
	*	2458	11.42	-	-	15.96	24	2.5	34.05	0	3.01	A
		2483.55	-29.8	-8.6	-21.2	-25.24	24	2.5	34.07	0	3.01	P
		2483.5	-42.19	-0.99	-41.2	-37.63	24	2.5	34.07	0	3.01	A
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-69.81	-48.61	-21.2	-65.27	24	2.5	34.05	0	3.01	P
802.11ac												
VHT20												
CH 01												
2412MHz												
		4875	-70.34	-49.14	-21.2	-65.77	24	2.5	34.08	0	3.01	P
		7311	-71.57	-50.37	-21.2	-66.43	24	2.5	34.65	0	3.01	P
802.11ac												
VHT20												
CH 06												
2437MHz												
		4925	-70.56	-49.36	-21.2	-65.95	24	2.5	34.12	0	3.01	P
		7386	-70.25	-49.05	-21.2	-65.09	24	2.5	34.67	0	3.01	P
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.92	-30.36	-9.16	-21.2	-25.88	24	2.5	33.99	0	3.01	P
		2390	-41.42	-0.22	-41.2	-36.94	24	2.5	33.99	0	3.01	A
	*	2422	8.49	-	-	13	24	2.5	34.02	0	3.01	P
	*	2422	0.04	-	-	4.55	24	2.5	34.02	0	3.01	A
802.11ac		2496.92	-34.42	-13.22	-21.2	-29.83	24	2.5	34.1	0	3.01	P
VHT40		2500	-45.36	-4.16	-41.2	-40.77	24	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2388.975	-31.09	-9.89	-21.2	-26.63	24	2.5	33.97	0	3.01	P
		2390	-41.57	-0.37	-41.2	-37.09	24	2.5	33.99	0	3.01	A
		2437	12.51			17.02	24	2.5	34.02	0	3.01	P
		2437	4.39			8.9	24	2.5	34.02	0	3.01	A
802.11ac		2500	-34.04	-12.84	-21.2	-29.45	24	2.5	34.1	0	3.01	P
VHT40		2499.79	-44.95	-3.75	-41.2	-40.36	24	2.5	34.1	0	3.01	A
CH 06												
2437MHz												

		2386.68	-30.36	-9.16	-21.2	-25.9	24	2.5	33.97	0	3.01	P
		2390	-41.57	-0.37	-41.2	-37.09	24	2.5	33.99	0	3.01	A
		2460	13.18			17.72	24	2.5	34.05	0	3.01	P
		2460	4.38			8.92	24	2.5	34.05	0	3.01	A
802.11ac		2483.62	-30.41	-9.21	-21.2	-25.85	24	2.5	34.07	0	3.01	P
VHT40		2483.69	-42.11	-0.91	-41.2	-37.55	24	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-70.87	-49.67	-21.2	-66.32	24	2.5	34.06	0	3.01	P
		7266	-70.83	-49.63	-21.2	-65.69	24	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 03												
2422MHz												
		4875	-70.28	-49.08	-21.2	-65.71	24	2.5	34.08	0	3.01	P
		7311	-71.98	-50.78	-21.2	-66.84	24	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 06												
2437MHz												
		4900	-69.61	-48.41	-21.2	-65.02	24	2.5	34.1	0	3.01	P
		7356	-71.61	-50.41	-21.2	-66.45	24	2.5	34.67	0	3.01	P
802.11ac												
VHT40												
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
2.4GHz 802.11ac VHT10 LF		82.38	-69.96	-14.76	-55.2	-75.75	24	6.3	32.22	4.7	3.01	P
		200.72	-68.35	-16.65	-51.7	-74.13	24	6.3	32.23	4.7	3.01	P
		266.68	-67.72	-18.52	-49.2	-73.61	24	6.3	32.12	4.7	3.01	P
		507.24	-55.77	-6.57	-49.2	-61.6	24	6.3	32.18	4.7	3.01	P
		594.54	-52.91	-3.71	-49.2	-58.71	24	6.3	32.21	4.7	3.01	P
		824.43	-52.63	-3.43	-49.2	-58.81	24	6.3	31.83	4.7	3.01	P
Remark	1. No other spurious found. 2. 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 **over limit** line.
P/A	**P**eak or **A**verage

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

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.56	-24.02	-2.82	-21.2	-12.56	17	2.5	33.97	0	3.01	P
		2387.88	-44.58	-3.38	-41.2	-33.12	17	2.5	33.97	0	3.01	A
	*	2410	25.82	-	-	37.3	17	2.5	33.99	0	3.01	P
	*	2408	16.83	-	-	28.31	17	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2390	-32.57	-11.37	-21.2	-21.09	17	2.5	33.99	0	3.01	P
		2389.92	-41.51	-0.31	-41.2	-30.03	17	2.5	33.99	0	3.01	A
	*	2440	18.32	-	-	29.83	17	2.5	34.02	0	3.01	P
	*	2440	10.21	-	-	21.72	17	2.5	34.02	0	3.01	A
802.11ac		2486.21	-36.19	-14.99	-21.2	-24.63	17	2.5	34.07	0	3.01	P
VHT10		2483.55	-47.38	-6.18	-41.2	-35.82	17	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2464	27.32	-	-	38.86	17	2.5	34.05	0	3.01	P	H
	*	2458	19.04	-	-	30.58	17	2.5	34.05	0	3.01	A	H
		2483.6	-21.76	-0.56	-21.2	-10.2	17	2.5	34.07	0	3.01	P	H
		2483.5	-45.13	-3.93	-41.2	-33.57	17	2.5	34.07	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-77.27	-56.07	-21.2	-65.73	17	2.5	34.05	0	3.01	P
802.11ac												
VHT10												
CH 01												
2412MHz												
		4875	-66.61	-45.41	-21.2	-55.04	17	2.5	34.08	0	3.01	P
		7311	-71.71	-50.51	-21.2	-59.57	17	2.5	34.65	0	3.01	P
802.11ac												
VHT10												
CH 06												
2437MHz												
		4925	-77.29	-56.09	-21.2	-65.68	17	2.5	34.12	0	3.01	P
		7386	-77.87	-56.67	-21.2	-65.71	17	2.5	34.67	0	3.01	P
802.11ac												
VHT10												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2390	-30.55	-9.35	-21.2	-19.07	17	2.5	33.99	0	3.01	P
		2390	-43.31	-2.11	-41.2	-31.83	17	2.5	33.99	0	3.01	A
	*	2404	15.14	-	-	26.62	17	2.5	33.99	0	3.01	P
	*	2406	7.72	-	-	19.2	17	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2390	-31.8	-10.6	-21.2	-20.32	17	2.5	33.99	0	3.01	P
		2389.11	-42.28	-1.08	-41.2	-30.82	17	2.5	33.97	0	3.01	A
	*	2420	17.01	-	-	28.52	17	2.5	34.02	0	3.01	P
	*	2434	9	-	-	20.51	17	2.5	34.02	0	3.01	A
802.11ac		2495.38	-39.09	-17.89	-21.2	-27.5	17	2.5	34.1	0	3.01	P
VHT20		2495.59	-50.06	-8.86	-41.2	-38.47	17	2.5	34.1	0	3.01	A
CH 06												
2437MHz												

	*	2464	16.91	-	-	28.45	17	2.5	34.05	0	3.01	P
	*	2458	8.55	-	-	20.09	17	2.5	34.05	0	3.01	A
		2484.3	-27.02	-5.82	-21.2	-15.46	17	2.5	34.07	0	3.01	P
		2483.5	-41.37	-0.17	-41.2	-29.81	17	2.5	34.07	0	3.01	P
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
802.11ac VHT20 CH 01 2412MHz		4825	-77.6	-56.4	-21.2	-66.06	17	2.5	34.05	0	3.01	P
802.11ac VHT20 CH 06 2437MHz		4875	-78.25	-57.05	-21.2	-66.68	17	2.5	34.08	0	3.01	P
		7311	-74.19	-52.99	-21.2	-62.05	17	2.5	34.65	0	3.01	P
802.11ac VHT20 CH 11 2462MHz		4925	-78.19	-56.99	-21.2	-66.58	17	2.5	34.12	0	3.01	P
		7386	-76.78	-55.58	-21.2	-64.62	17	2.5	34.67	0	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.245	-30.49	-9.29	-21.2	-19.03	17	2.5	33.97	0	3.01	P
		2390	-42.06	-0.86	-41.2	-30.58	17	2.5	33.99	0	3.01	A
	*	2418	10.62	-	-	22.13	17	2.5	34.02	0	3.01	P
	*	2412	1.92	-	-	13.4	17	2.5	33.99	0	3.01	A
802.11ac		2490.13	-41.84	-20.64	-21.2	-30.28	17	2.5	34.07	0	3.01	P
VHT40		2497.76	-52.96	-11.76	-41.2	-41.37	17	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2388.57	-29.76	-8.56	-21.2	-18.3	17	2.5	33.97	0	3.01	P
		2390	-41.4	-0.2	-41.2	-29.92	17	2.5	33.99	0	3.01	A
	*	2437	14.09	35.29	-21.2	25.6	17	2.5	34.02	0	3.01	P
	*	2437	5.89	47.09	-41.2	17.4	17	2.5	34.02	0	3.01	A
802.11ac		2484.53	-28.4	-7.2	-21.2	-16.84	17	2.5	34.07	0	3.01	P
VHT40		2483.9	-41.78	-0.58	-41.2	-30.22	17	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

		2389.38	-40.02	-18.82	-21.2	-28.56	17	2.5	33.97	0	3.01	P
		2389.92	-50.43	-9.23	-41.2	-38.95	17	2.5	33.99	0	3.01	A
	*	2458	10.83	-	-	22.37	17	2.5	34.05	0	3.01	P
	*	2458	2.45	-	-	13.99	17	2.5	34.05	0	3.01	A
802.11ac		2484.39	-29.94	-8.74	-21.2	-18.38	17	2.5	34.07	0	3.01	P
VHT40		2483.5	-42.54	-1.34	-41.2	-30.98	17	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-77.15	-55.95	-21.2	-65.6	17	2.5	34.06	0	3.01	P
		7266	-78.18	-56.98	-21.2	-66.04	17	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 03												
2422MHz												
		4875	-77.9	-56.7	-21.2	-66.33	17	2.5	34.08	0	3.01	P
		7311	-78.07	-56.87	-21.2	-65.93	17	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 06												
2437MHz												
		4900	-77.85	-56.65	-21.2	-66.26	17	2.5	34.1	0	3.01	P
		7356	-79.24	-58.04	-21.2	-67.08	17	2.5	34.67	0	3.01	P
802.11ac												
VHT40												
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
2.4GHz 802.11ac VHT10 LF		70.74	-80.9	-25.7	-55.2	-75.88	17	2.5	32.23	4.7	3.01	P
		162.89	-80.25	-28.55	-51.7	-75.24	17	2.5	32.22	4.7	3.01	P
		266.68	-79.43	-30.23	-49.2	-74.52	17	2.5	32.12	4.7	3.01	P
		401.51	-76.72	-27.52	-49.2	-71.82	17	2.5	32.11	4.7	3.01	P
		627.52	-68.1	-18.9	-49.2	-63.11	17	2.5	32.2	4.7	3.01	P
		730.34	-51.18	-1.98	-49.2	-46.3	17	2.5	32.09	4.7	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.2	-23.92	-2.72	-21.2	-12.46	17	2.5	33.97	0	3.01	P
		2389.32	-43.83	-2.63	-41.2	-32.37	17	2.5	33.97	0	3.01	A
	*	2414	25.33	-	-	36.81	17	2.5	33.99	0	3.01	P
	*	2410	16.46	-	-	27.94	17	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2390	-32.57	-11.37	-21.2	-21.09	17	2.5	33.99	0	3.01	P
		2389.92	-41.51	-0.31	-41.2	-30.03	17	2.5	33.99	0	3.01	A
	*	2440	18.32	-	-	29.83	17	2.5	34.02	0	3.01	P
	*	2440	10.21	-	-	21.72	17	2.5	34.02	0	3.01	A
802.11ac		2486.21	-36.19	-14.99	-21.2	-24.63	17	2.5	34.07	0	3.01	P
VHT10		2483.55	-47.38	-6.18	-41.2	-35.82	17	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2458	18.92	-	-	30.46	17	2.5	34.05	0	3.01	P	H
	*	2458	9.48	-	-	21.02	17	2.5	34.05	0	3.01	A	H
		2483.55	-33.24	-12.04	-21.2	-21.68	17	2.5	34.07	0	3.01	P	H
		2495.95	-50.63	-9.43	-41.2	-39.04	17	2.5	34.1	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-77.47	-56.27	-21.2	-65.93	17	2.5	34.05	0	3.01	P
802.11ac												
VHT10												
CH 01												
2412MHz												
		4875	-77.81	-56.61	-21.2	-66.24	17	2.5	34.08	0	3.01	P
		7311	-76.52	-55.32	-21.2	-64.38	17	2.5	34.65	0	3.01	P
802.11ac												
VHT10												
CH 06												
2437MHz												
		4925	-77.38	-56.18	-21.2	-65.77	17	2.5	34.12	0	3.01	P
		7386	-78.34	-57.14	-21.2	-66.18	17	2.5	34.67	0	3.01	P
802.11ac												
VHT10												
CH 11												
2462MHz												

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.2	-28.49	-7.29	-21.2	-17.03	17	2.5	33.97	0	3.01	P
		2390	-41.45	-0.25	-41.2	-29.97	17	2.5	33.99	0	3.01	A
	*	2408	15.76	-	-	27.24	17	2.5	33.99	0	3.01	P
	*	2404	7.61	-	-	19.09	17	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2390	-31.8	-10.6	-21.2	-20.32	17	2.5	33.99	0	3.01	P
		2389.11	-42.28	-1.08	-41.2	-30.82	17	2.5	33.97	0	3.01	A
	*	2420	17.01	-	-	28.52	17	2.5	34.02	0	3.01	P
	*	2434	9	-	-	20.51	17	2.5	34.02	0	3.01	A
802.11ac		2495.38	-39.09	-17.89	-21.2	-27.5	17	2.5	34.1	0	3.01	P
VHT20		2495.59	-50.06	-8.86	-41.2	-38.47	17	2.5	34.1	0	3.01	A
CH 06												
2437MHz												

	*	2458	16.23	-	-	27.77	17	2.5	34.05	0	3.01	P
	*	2458	8.25	-	-	19.79	17	2.5	34.05	0	3.01	A
		2483.65	-28.36	-7.16	-21.2	-16.8	17	2.5	34.07	0	3.01	P
		2483.5	-42.02	-0.82	-41.2	-30.46	17	2.5	34.07	0	3.01	A
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-78.2	-57	-21.2	-66.66	17	2.5	34.05	0	3.01	P
802.11ac												
VHT20												
CH 01												
2412MHz												
		4875	-77.24	-56.04	-21.2	-65.67	17	2.5	34.08	0	3.01	P
		7311	-78.52	-57.32	-21.2	-66.38	17	2.5	34.65	0	3.01	P
802.11ac												
VHT20												
CH 06												
2437MHz												
		4925	-77.83	-56.63	-21.2	-66.22	17	2.5	34.12	0	3.01	P
		7386	-77.97	-56.77	-21.2	-65.81	17	2.5	34.67	0	3.01	P
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.785	-30.85	-9.65	-21.2	-19.37	17	2.5	33.99	0	3.01	P
		2389.92	-41.61	-0.41	-41.2	-30.13	17	2.5	33.99	0	3.01	A
	*	2412	10.39	-	-	21.87	17	2.5	33.99	0	3.01	P
	*	2410	1.57	-	-	13.05	17	2.5	33.99	0	3.01	A
802.11ac		2495.03	-42.33	-21.13	-21.2	-30.74	17	2.5	34.1	0	3.01	P
VHT40		2497.27	-52.61	-11.41	-41.2	-41.02	17	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2389.11	-31	-9.8	-21.2	-19.54	17	2.5	33.97	0	3.01	P
		2390	-42.92	-1.72	-41.2	-31.44	17	2.5	33.99	0	3.01	A
	*	2452	13.83	-	-	25.37	17	2.5	34.05	0	3.01	P
	*	2452	5.77	-	-	17.31	17	2.5	34.05	0	3.01	A
802.11ac		2483.5	-28.31	-7.11	-21.2	-16.75	17	2.5	34.07	0	3.01	P
VHT40		2483.83	-42.07	-0.87	-41.2	-30.51	17	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

		2389.245	-39.96	-18.76	-21.2	-28.5	17	2.5	33.97	0	3.01	P
		2389.92	-49.98	-8.78	-41.2	-38.5	17	2.5	33.99	0	3.01	A
	*	2460	11.05	-	-	22.59	17	2.5	34.05	0	3.01	P
	*	2456	2.57	-	-	14.11	17	2.5	34.05	0	3.01	A
802.11ac		2484.6	-30.89	-9.69	-21.2	-19.33	17	2.5	34.07	0	3.01	P
VHT40		2483.5	-42.43	-1.23	-41.2	-30.87	17	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-76.49	-55.29	-21.2	-64.94	17	2.5	34.06	0	3.01	P
		7266	-78.48	-57.28	-21.2	-66.34	17	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 03												
2422MHz												
		4875	-77.47	-56.27	-21.2	-65.9	17	2.5	34.08	0	3.01	P
		7311	-78.39	-57.19	-21.2	-66.25	17	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 06												
2437MHz												
		4900	-78.42	-57.22	-21.2	-66.83	17	2.5	34.1	0	3.01	P
		7356	-79.23	-58.03	-21.2	-67.07	17	2.5	34.67	0	3.01	P
802.11ac												
VHT40												
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Grounding	MIMO	Peak
Ant.				Limit	Line	Level	Gain	Loss	Factor	Factor	Gain	Avg.
1+2(2)		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(dB)	(dBi)	(P/A)
2.4GHz 802.11ac VHT10 LF		101.78	-80.24	-28.54	-51.7	-75.26	17	2.5	32.19	4.7	3.01	P
		166.77	-79.92	-28.22	-51.7	-74.91	17	2.5	32.22	4.7	3.01	P
		267.65	-79.83	-30.63	-49.2	-74.92	17	2.5	32.12	4.7	3.01	P
		500.45	-67.09	-17.89	-49.2	-62.12	17	2.5	32.18	4.7	3.01	P
		628.49	-63.5	-14.3	-49.2	-58.51	17	2.5	32.2	4.7	3.01	P
		824.43	-63.85	-14.65	-49.2	-59.23	17	2.5	31.83	4.7	3.01	P
Remark	1. No other spurious found. 2. 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 **over limit** line.
P/A	**P**eak or **A**verage

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

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2388	-32.59	-11.39	-21.2	-21.13	17	2.5	33.97	0	3.01	P
		2390	-48.25	-7.05	-41.2	-36.77	17	2.5	33.99	0	3.01	A
	*	2414	18.68	-	-	30.16	17	2.5	33.99	0	3.01	P
	*	2408	9.67	-	-	21.15	17	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2389.245	-35.27	-14.07	-21.2	-23.81	17	2.5	33.97	0	3.01	P
		2389.785	-45.01	-3.81	-41.2	-33.53	17	2.5	33.99	0	3.01	A
	*	2434	17.13	-	-	28.64	17	2.5	34.02	0	3.01	P
	*	2434	8.14	-	-	19.65	17	2.5	34.02	0	3.01	A
802.11ac		2484.67	-38.68	-17.48	-21.2	-27.12	17	2.5	34.07	0	3.01	P
VHT10		2483.9	-49	-7.8	-41.2	-37.44	17	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2464	27.32	-	-	38.86	17	2.5	34.05	0	3.01	P	H
	*	2458	19.04	-	-	30.58	17	2.5	34.05	0	3.01	A	H
		2483.6	-21.76	-0.56	-21.2	-10.2	17	2.5	34.07	0	3.01	P	H
		2483.5	-45.13	-3.93	-41.2	-33.57	17	2.5	34.07	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-77.56	-56.36	-21.2	-66.02	17	2.5	34.05	0	3.01	P
802.11ac												
VHT10												
CH 01												
2412MHz												
		4875	-76.82	-55.62	-21.2	-65.25	17	2.5	34.08	0	3.01	P
		7311	-77.96	-56.76	-21.2	-65.82	17	2.5	34.65	0	3.01	P
802.11ac												
VHT10												
CH 06												
2437MHz												
		4925	-78	-56.8	-21.2	-66.39	17	2.5	34.12	0	3.01	P
		7386	-78.53	-57.33	-21.2	-66.37	17	2.5	34.67	0	3.01	P
802.11ac												
VHT10												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.56	-34.06	-12.86	-21.2	-22.6	17	2.5	33.97	0	3.01	P
		2390	-44.84	-3.64	-41.2	-33.36	17	2.5	33.99	0	3.01	A
	*	2406	15.01	-	-	26.49	17	2.5	33.99	0	3.01	P
	*	2406	6.52	-	-	18	17	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2388.03	-35.92	-14.72	-21.2	-24.46	17	2.5	33.97	0	3.01	P
		2389.11	-45.82	-4.62	-41.2	-34.36	17	2.5	33.97	0	3.01	A
	*	2444	13.31	-	-	24.85	17	2.5	34.05	0	3.01	P
	*	2444	5.78	-	-	17.32	17	2.5	34.05	0	3.01	A
802.11ac		2483.5	-38.77	-17.57	-21.2	-27.21	17	2.5	34.07	0	3.01	P
VHT20		2483.55	-49.51	-8.31	-41.2	-37.95	17	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2460	15.1	-	-	26.64	17	2.5	34.05	0	3.01	P
	*	2458	6.07	-	-	17.61	17	2.5	34.05	0	3.01	A
		2484.55	-33.89	-12.69	-21.2	-22.33	17	2.5	34.07	0	3.01	P
		2483.55	-47.09	-5.89	-41.2	-35.53	17	2.5	34.07	0	3.01	A
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
802.11ac VHT20 CH 01 2412MHz		4825	-76.36	-55.16	-21.2	-64.82	17	2.5	34.05	0	3.01	P
802.11ac VHT20 CH 06 2437MHz		4875	-77.35	-56.15	-21.2	-65.78	17	2.5	34.08	0	3.01	P
		7311	-78.59	-57.39	-21.2	-66.45	17	2.5	34.65	0	3.01	P
802.11ac VHT20 CH 11 2462MHz		4925	-76.36	-55.16	-21.2	-64.75	17	2.5	34.12	0	3.01	P
		7386	-77.96	-56.76	-21.2	-65.8	17	2.5	34.67	0	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.245	-30.49	-9.29	-21.2	-19.03	17	2.5	33.97	0	3.01	P
		2390	-42.06	-0.86	-41.2	-30.58	17	2.5	33.99	0	3.01	A
	*	2418	10.62	-	-	22.13	17	2.5	34.02	0	3.01	P
	*	2412	1.92	-	-	13.4	17	2.5	33.99	0	3.01	A
802.11ac		2490.13	-41.84	-20.64	-21.2	-30.28	17	2.5	34.07	0	3.01	P
VHT40		2497.76	-52.96	-11.76	-41.2	-41.37	17	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2388.57	-31.85	-10.65	-21.2	-20.39	17	2.5	33.97	0	3.01	P
		2390	-43.45	-2.25	-41.2	-31.97	17	2.5	33.99	0	3.01	A
	*	2437	11.97	-	-	23.48	17	2.5	34.02	0	3.01	P
	*	2437	3.73	-	-	15.24	17	2.5	34.02	0	3.01	A
802.11ac		2483.5	-30.49	-9.29	-21.2	-18.93	17	2.5	34.07	0	3.01	P
VHT40		2483.9	-42.86	-1.66	-41.2	-31.3	17	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

		2389.38	-40.02	-18.82	-21.2	-28.56	17	2.5	33.97	0	3.01	P
		2389.92	-50.43	-9.23	-41.2	-38.95	17	2.5	33.99	0	3.01	A
	*	2458	10.83	-	-	22.37	17	2.5	34.05	0	3.01	P
	*	2458	2.45	-	-	13.99	17	2.5	34.05	0	3.01	A
802.11ac		2484.39	-29.94	-8.74	-21.2	-18.38	17	2.5	34.07	0	3.01	P
VHT40		2483.5	-42.54	-1.34	-41.2	-30.98	17	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-75.8	-54.6	-21.2	-64.25	17	2.5	34.06	0	3.01	P
		7266	-78.74	-57.54	-21.2	-66.6	17	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 03												
2422MHz												
		4875	-78.35	-57.15	-21.2	-66.78	17	2.5	34.08	0	3.01	P
		7311	-77.93	-56.73	-21.2	-65.79	17	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 06												
2437MHz												
		4900	-77.72	-56.52	-21.2	-66.13	17	2.5	34.1	0	3.01	P
		7356	-79.24	-58.04	-21.2	-67.08	17	2.5	34.67	0	3.01	P
802.11ac												
VHT40												
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI Ant. 1+2(1)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
2.4GHz 802.11ac VHT10 LF		71.71	-79.96	-24.76	-55.2	-74.94	17	2.5	32.23	4.7	3.01	P
		167.74	-79.93	-28.23	-51.7	-74.92	17	2.5	32.22	4.7	3.01	P
		267.65	-79.24	-30.04	-49.2	-74.33	17	2.5	32.12	4.7	3.01	P
		401.51	-76	-26.8	-49.2	-71.1	17	2.5	32.11	4.7	3.01	P
		667.29	-63.81	-14.61	-49.2	-58.84	17	2.5	32.18	4.7	3.01	P
		822.49	-59.57	-10.37	-49.2	-54.94	17	2.5	31.84	4.7	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2387.16	-34.45	-13.25	-21.2	-22.99	17	2.5	33.97	0	3.01	P
		2388.84	-47.84	-6.64	-41.2	-36.38	17	2.5	33.97	0	3.01	A
	*	2414	18.23	-	-	29.71	17	2.5	33.99	0	3.01	P
	*	2408	9.67	-	-	21.15	17	2.5	33.99	0	3.01	A
802.11ac												
VHT10												
CH 01												
2412MHz												
		2389.92	-35.25	-14.05	-21.2	-23.77	17	2.5	33.99	0	3.01	P
		2389.65	-44.9	-3.7	-41.2	-33.44	17	2.5	33.97	0	3.01	A
	*	2436	16.82	-	-	28.33	17	2.5	34.02	0	3.01	P
	*	2440	8.74	-	-	20.25	17	2.5	34.02	0	3.01	A
802.11ac		2484.25	-38.62	-17.42	-21.2	-27.06	17	2.5	34.07	0	3.01	P
VHT10		2483.76	-49.46	-8.26	-41.2	-37.9	17	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2458	18.92	-	-	30.46	17	2.5	34.05	0	3.01	P	H
	*	2458	9.48	-	-	21.02	17	2.5	34.05	0	3.01	A	H
		2483.55	-33.24	-12.04	-21.2	-21.68	17	2.5	34.07	0	3.01	P	H
		2495.95	-50.63	-9.43	-41.2	-39.04	17	2.5	34.1	0	3.01	A	H
802.11ac													H
VHT10													H
CH 11													V
2462MHz													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT10 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4825	-77.53	-56.33	-21.2	-65.99	17	2.5	34.05	0	3.01	P
802.11ac												
VHT10												
CH 01												
2412MHz												
		4875	-78.01	-56.81	-21.2	-66.44	17	2.5	34.08	0	3.01	P
		7311	-77.83	-56.63	-21.2	-65.69	17	2.5	34.65	0	3.01	P
802.11ac												
VHT10												
CH 06												
2437MHz												
		4925	-76.13	-54.93	-21.2	-64.52	17	2.5	34.12	0	3.01	P
		7386	-76.62	-55.42	-21.2	-64.46	17	2.5	34.67	0	3.01	P
802.11ac												
VHT10												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2390	-32.73	-11.53	-21.2	-21.25	17	2.5	33.99	0	3.01	P
		2390	-44.45	-3.25	-41.2	-32.97	17	2.5	33.99	0	3.01	A
	*	2408	14.7	-	-	26.18	17	2.5	33.99	0	3.01	P
	*	2406	6.72	-	-	18.2	17	2.5	33.99	0	3.01	A
802.11ac												
VHT20												
CH 01												
2412MHz												
		2389.785	-34	-12.8	-21.2	-22.52	17	2.5	33.99	0	3.01	P
		2389.38	-45.62	-4.42	-41.2	-34.16	17	2.5	33.97	0	3.01	A
	*	2442	14.08	-	-	25.62	17	2.5	34.05	0	3.01	P
	*	2444	6.55	-	-	18.09	17	2.5	34.05	0	3.01	A
802.11ac		2486.21	-39.25	-18.05	-21.2	-27.69	17	2.5	34.07	0	3.01	P
VHT20		2484.39	-49.69	-8.49	-41.2	-38.13	17	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

	*	2460	15.1	-	-	26.64	17	2.5	34.05	0	3.01	P
	*	2458	6.07	-	-	17.61	17	2.5	34.05	0	3.01	A
		2484.55	-33.89	-12.69	-21.2	-22.33	17	2.5	34.07	0	3.01	P
		2483.55	-47.09	-5.89	-41.2	-35.53	17	2.5	34.07	0	3.01	A
802.11ac												
VHT20												
CH 11												
2462MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT20 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
802.11ac VHT20 CH 01 2412MHz		4825	-77.39	-56.19	-21.2	-65.85	17	2.5	34.05	0	3.01	P
802.11ac VHT20 CH 06 2437MHz		4875	-76.25	-55.05	-21.2	-64.68	17	2.5	34.08	0	3.01	P
		7311	-79.43	-58.23	-21.2	-67.29	17	2.5	34.65	0	3.01	P
802.11ac VHT20 CH 11 2462MHz		4925	-76.16	-54.96	-21.2	-64.55	17	2.5	34.12	0	3.01	P
		7386	-77.51	-56.31	-21.2	-65.35	17	2.5	34.67	0	3.01	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Band Edge)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		2389.785	-30.85	-9.65	-21.2	-19.37	17	2.5	33.99	0	3.01	P
		2389.92	-41.61	-0.41	-41.2	-30.13	17	2.5	33.99	0	3.01	A
	*	2412	10.39	-	-	21.87	17	2.5	33.99	0	3.01	P
	*	2410	1.57	-	-	13.05	17	2.5	33.99	0	3.01	A
802.11ac		2495.03	-42.33	-21.13	-21.2	-30.74	17	2.5	34.1	0	3.01	P
VHT40		2497.27	-52.61	-11.41	-41.2	-41.02	17	2.5	34.1	0	3.01	A
CH 03												
2422MHz												
		2389.11	-33.08	-11.88	-21.2	-21.62	17	2.5	33.97	0	3.01	P
		2390	-45.11	-3.91	-41.2	-33.63	17	2.5	33.99	0	3.01	A
	*	2437	11.75	-	-	23.26	17	2.5	34.02	0	3.01	P
	*	2437	3.5	-	-	15.01	17	2.5	34.02	0	3.01	A
802.11ac		2485.3	-30.35	-9.15	-21.2	-18.79	17	2.5	34.07	0	3.01	P
VHT40		2483.83	-44.33	-3.13	-41.2	-32.77	17	2.5	34.07	0	3.01	A
CH 06												
2437MHz												

		2389.245	-39.96	-18.76	-21.2	-28.5	17	2.5	33.97	0	3.01	P
		2389.92	-49.98	-8.78	-41.2	-38.5	17	2.5	33.99	0	3.01	A
	*	2460	11.05	-	-	22.59	17	2.5	34.05	0	3.01	P
	*	2456	2.57	-	-	14.11	17	2.5	34.05	0	3.01	A
802.11ac		2484.6	-30.89	-9.69	-21.2	-19.33	17	2.5	34.07	0	3.01	P
VHT40		2483.5	-42.43	-1.23	-41.2	-30.87	17	2.5	34.07	0	3.01	A
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT40 (Harmonic)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
		4850	-77.34	-56.14	-21.2	-65.79	17	2.5	34.06	0	3.01	P
		7266	-78.8	-57.6	-21.2	-66.66	17	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 03												
2422MHz												
		4875	-78.41	-57.21	-21.2	-66.84	17	2.5	34.08	0	3.01	P
		7311	-78.51	-57.31	-21.2	-66.37	17	2.5	34.65	0	3.01	P
802.11ac												
VHT40												
CH 06												
2437MHz												
		4900	-77.31	-56.11	-21.2	-65.72	17	2.5	34.1	0	3.01	P
		7356	-77.55	-56.35	-21.2	-65.39	17	2.5	34.67	0	3.01	P
802.11ac												
VHT40												
CH 09												
2452MHz												
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Emission below 1GHz

2.4GHz WIFI 802.11ac VHT10 (LF)

WIFI Ant. 1+2(2)	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Grounding Factor (dB)	MIMO Gain (dBi)	Peak Avg. (P/A)
2.4GHz 802.11ac VHT10 LF		105.66	-79.96	-28.26	-51.7	-74.98	17	2.5	32.19	4.7	3.01	P
		167.74	-79.94	-28.24	-51.7	-74.93	17	2.5	32.22	4.7	3.01	P
		267.65	-80.23	-31.03	-49.2	-75.32	17	2.5	32.12	4.7	3.01	P
		505.3	-67.63	-18.43	-49.2	-62.66	17	2.5	32.18	4.7	3.01	P
		633.34	-63.53	-14.33	-49.2	-58.55	17	2.5	32.19	4.7	3.01	P
		729.37	-53.15	-3.95	-49.2	-48.26	17	2.5	32.1	4.7	3.01	P
Remark	1. No other spurious found. 2. 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 **over limit** line.
P/A	**P**eak or **A**verage

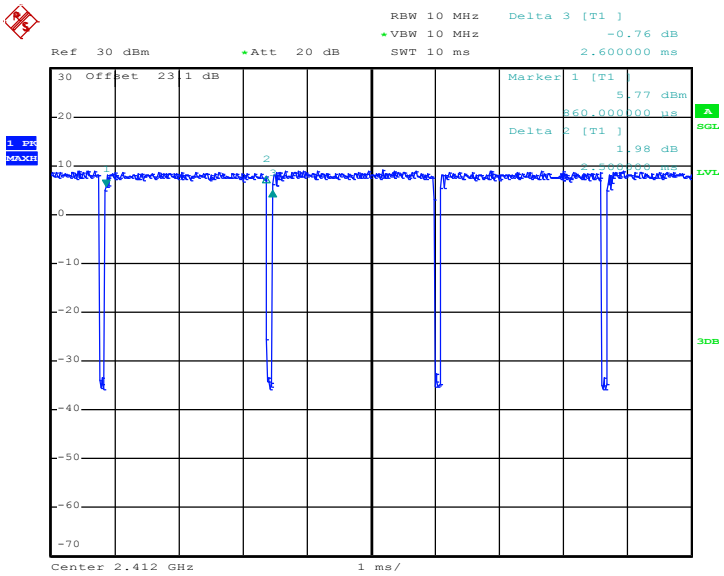
Both peak and average measured complies with the limit line, so test result is "PASS".

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	802.11ac VHT10 for Ant. 1	96.15	2500	0.4	1kHz
1+2	802.11ac VHT10 for Ant. 2	96.18	2520	0.396825397	1kHz
1+2	802.11ac VHT20 for Ant. 1	94.78	1270	0.787401575	1kHz
1+2	802.11ac VHT20 for Ant. 2	94.76	1265	0.790513834	1kHz
1+2	802.11ac VHT40 for Ant. 1	89.67	624	1.602564103	3kHz
1+2	802.11ac VHT40 for Ant. 2	89.66	624	1.602564103	3kHz

MIMO <Ant. 1+2(1)>

802.11ac VHT10



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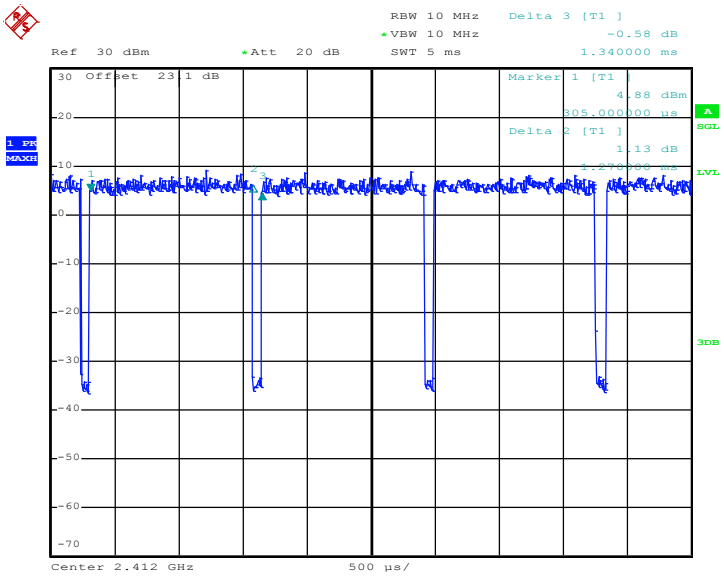
802.11ac VHT20



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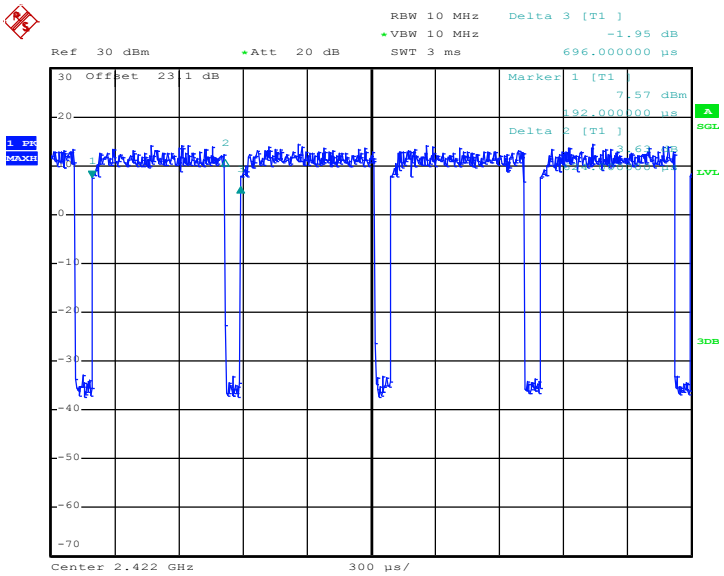
802.11ac VHT40



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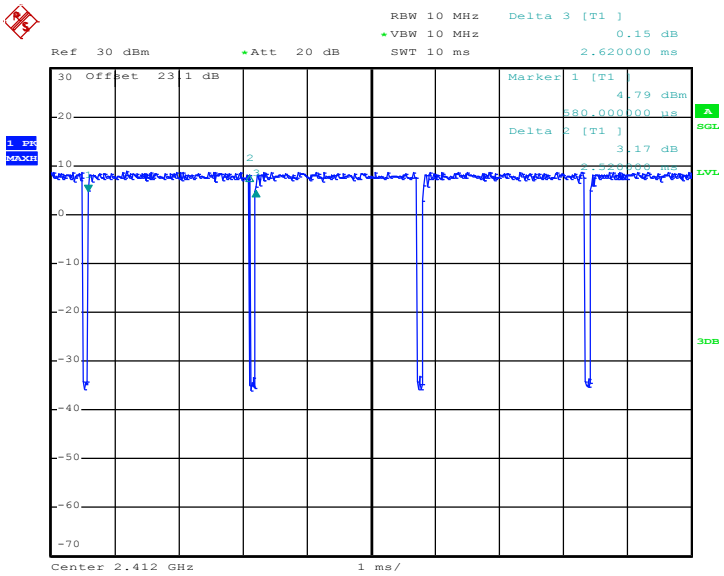
MIMO <Ant. 1+2(2)>

802.11ac VHT10



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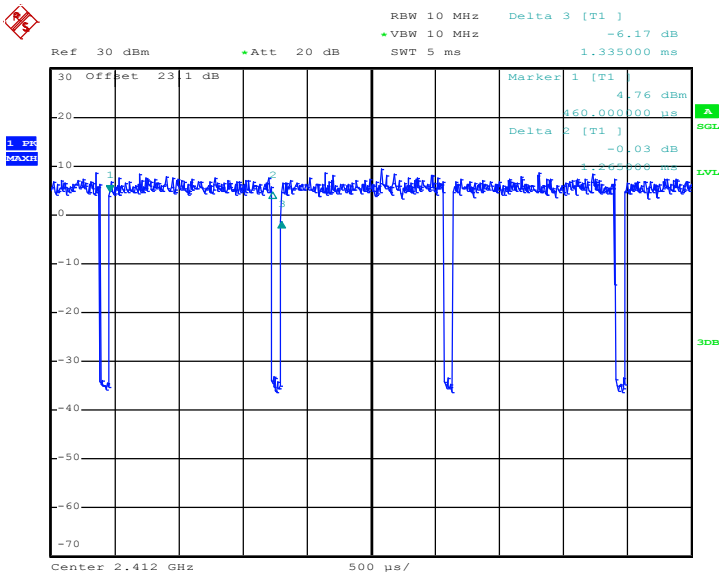
802.11ac VHT20



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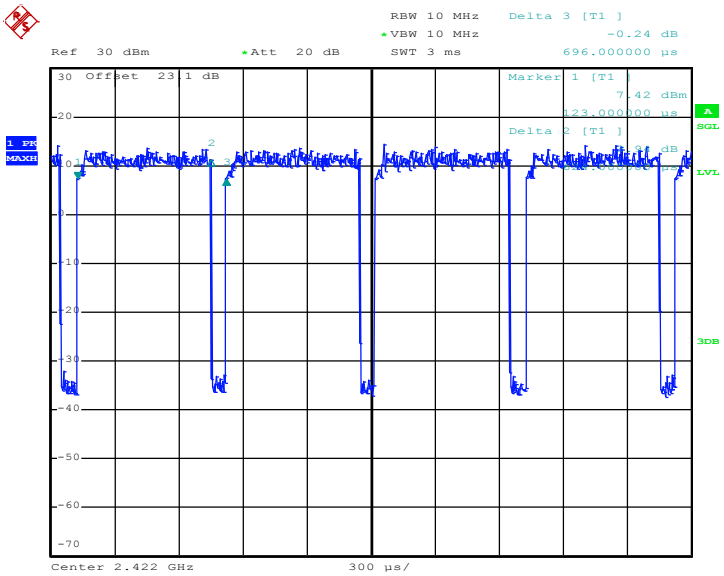
802.11ac VHT40



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