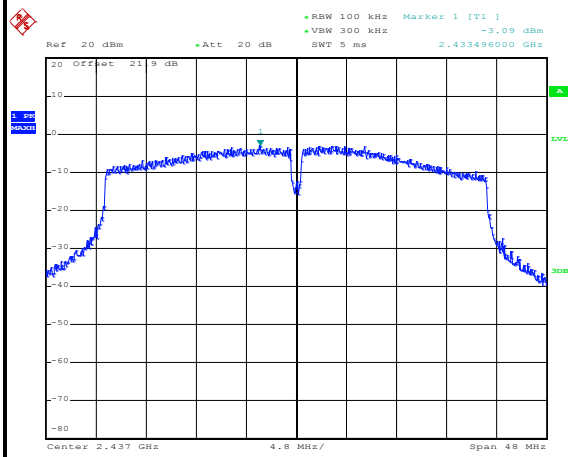
Number of TX :	3	**Ant. :**	1
Test Mode :	802.11n HT40	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

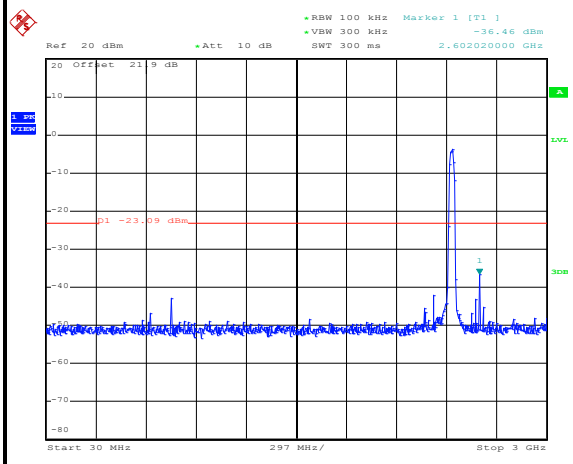
WLAN 802.11n HT40 Channel 06

100kHz PSD reference Level

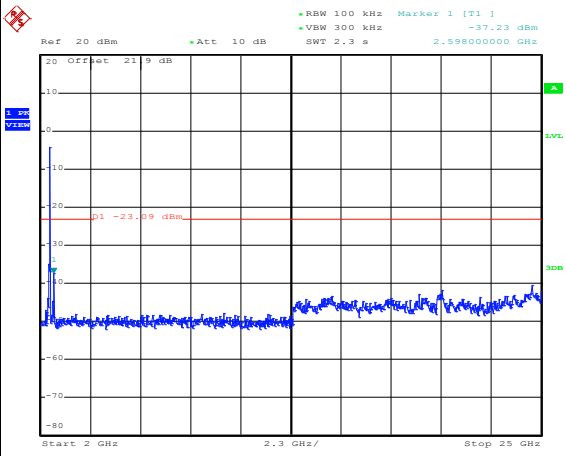


Mid Channel Plot

Spurious Emission 30MHz~3GHz



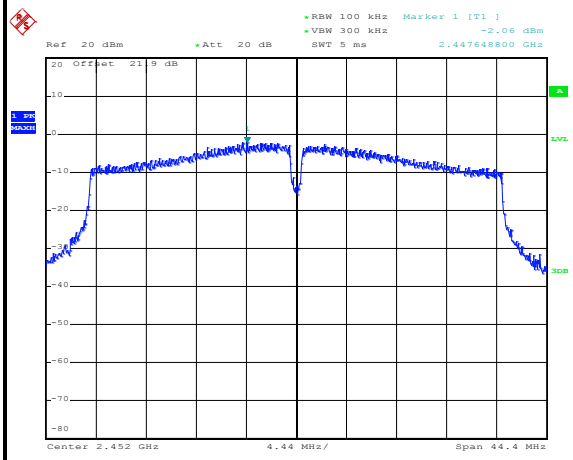
Spurious Emission 2GHz~25GHz



Number of TX :	3	**Ant. :**	1
Test Mode :	802.11n HT40	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	09	**Test Engineer :**	Bill Kuo

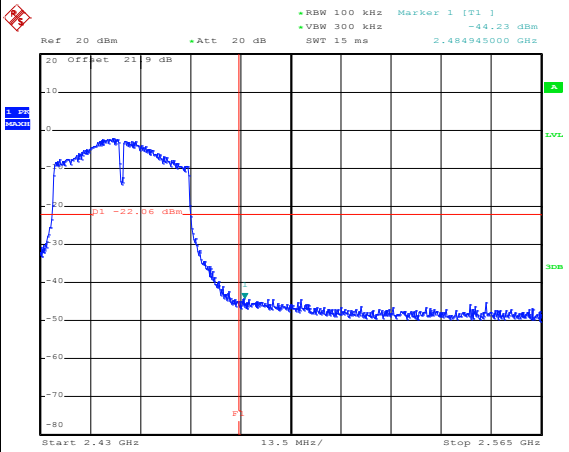
WLAN 802.11n HT40 Channel 09

100kHz PSD reference Level



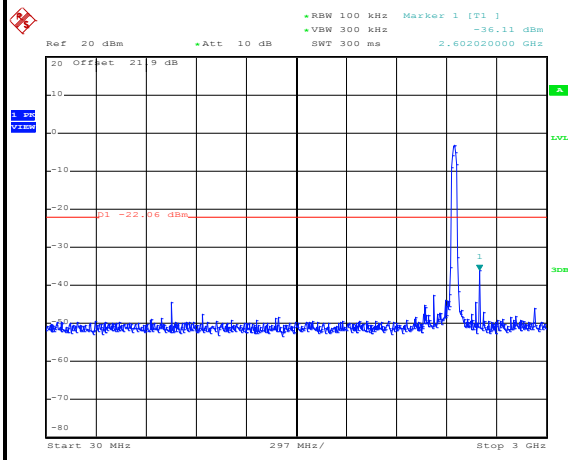
Date: 18.JUN.2016 04:44:43

High Channel Plot



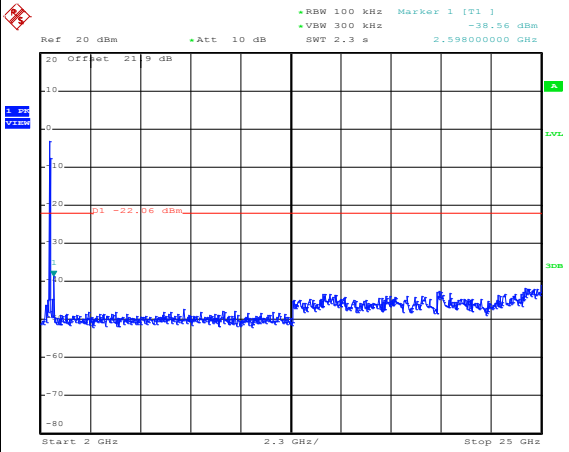
Date: 18.JUN.2016 04:45:11

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:45:23

Spurious Emission 2GHz~25GHz



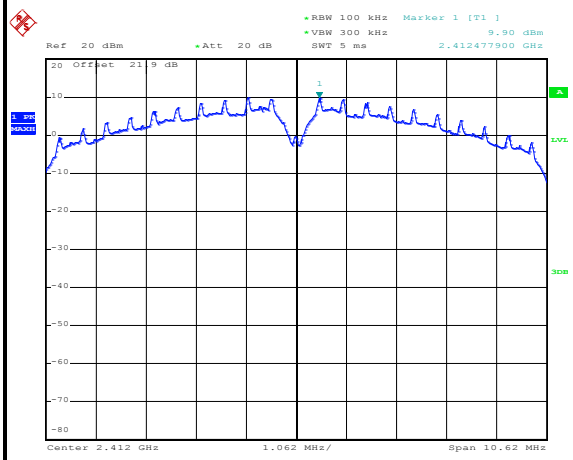
Date: 18.JUN.2016 04:45:31

Number of TX = 3, Ant. 2 (Measured)

Number of TX :	3	**Ant. :**	2
Test Mode :	802.11b	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	01	**Test Engineer :**	Bill Kuo

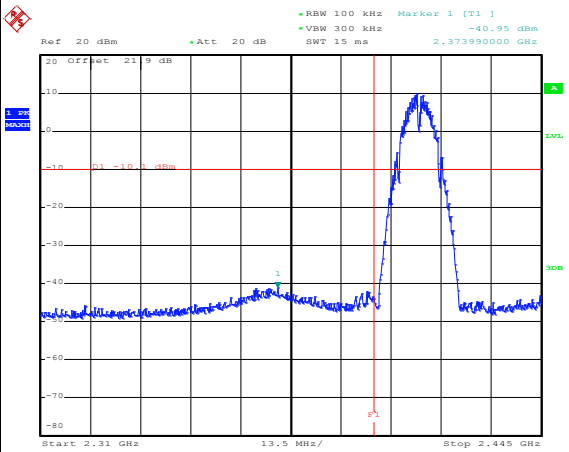
WLAN 802.11b Channel 01

100kHz PSD reference Level



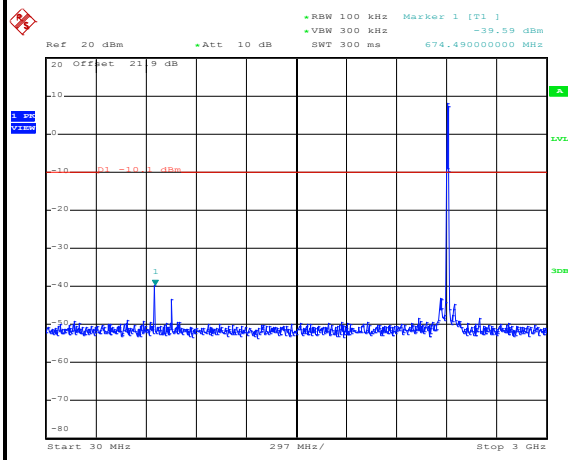
Date: 17.JUN.2016 07:18:41

Low Channel Plot



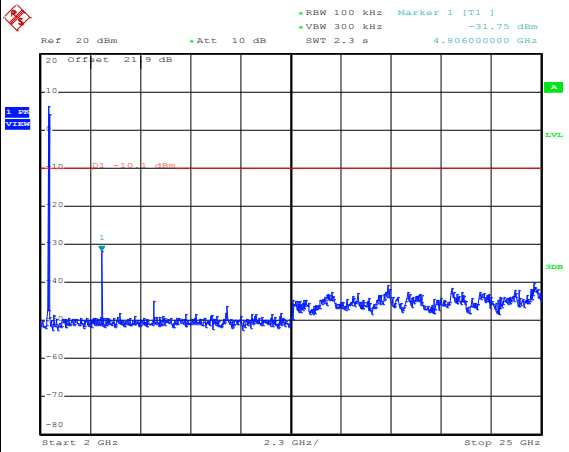
Date: 17.JUN.2016 07:19:27

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:21:47

Spurious Emission 2GHz~25GHz

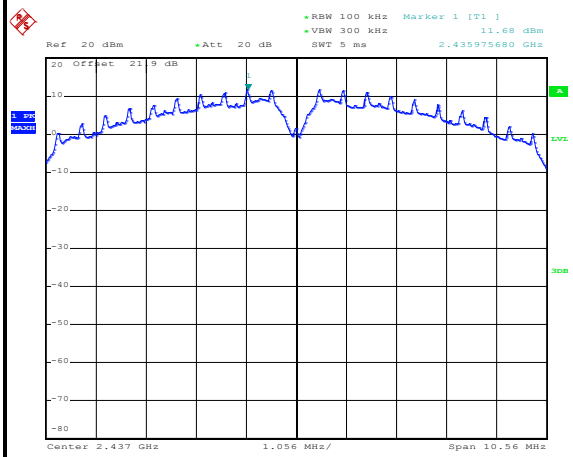


Date: 17.JUN.2016 07:21:55

Number of TX :	3	**Ant. :**	2
Test Mode :	802.11b	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

WLAN 802.11b Channel 06

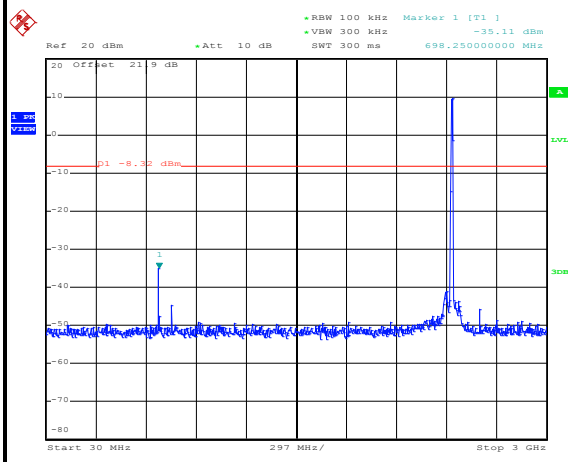
100kHz PSD reference Level



Date: 17.JUN.2016 07:23:38

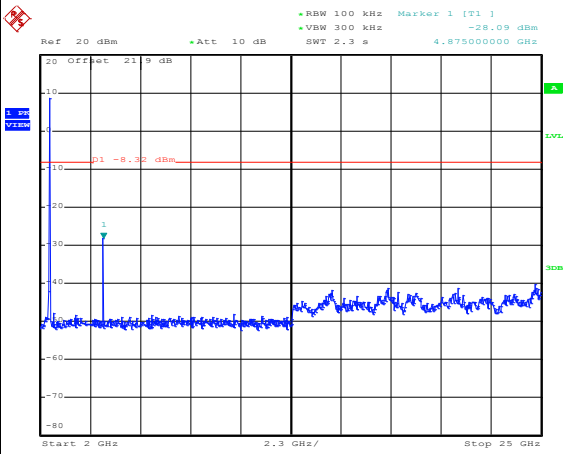
Mid Channel Plot

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:23:53

Spurious Emission 2GHz~25GHz

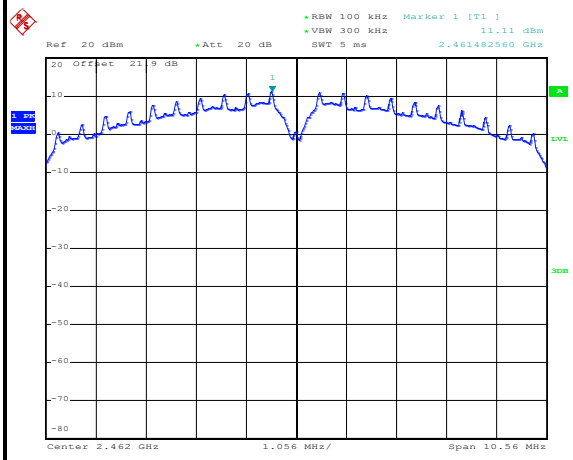


Date: 17.JUN.2016 07:24:01

Number of TX :	3	**Ant. :**	2
Test Mode :	802.11b	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	11	**Test Engineer :**	Bill Kuo

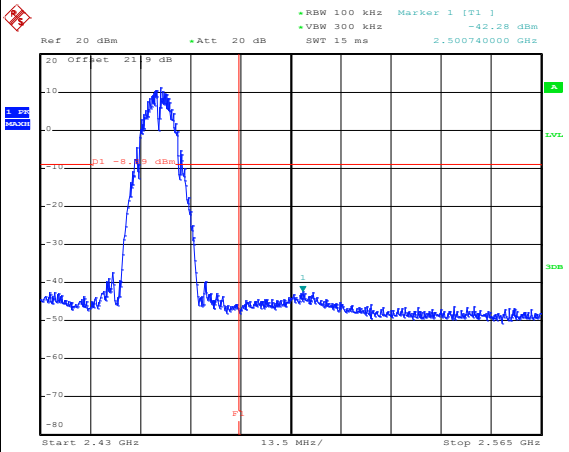
WLAN 802.11b Channel 11

100kHz PSD reference Level



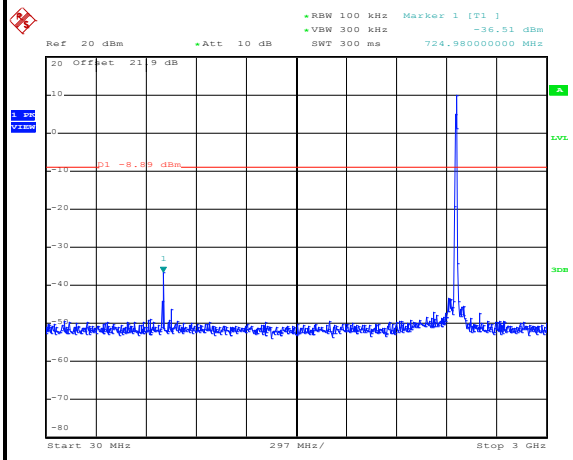
Date: 17.JUN.2016 07:28:36

High Channel Plot



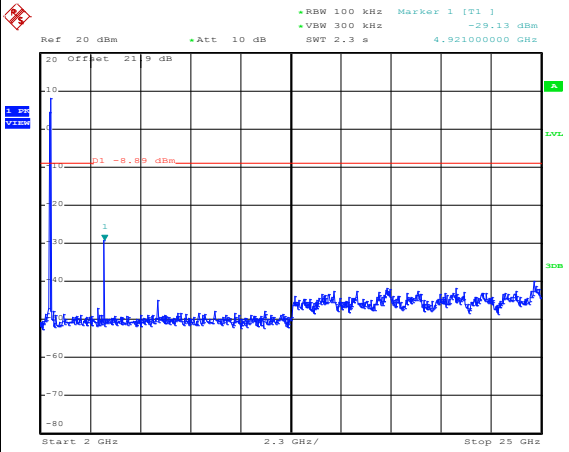
Date: 17.JUN.2016 07:29:01

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:29:16

Spurious Emission 2GHz~25GHz

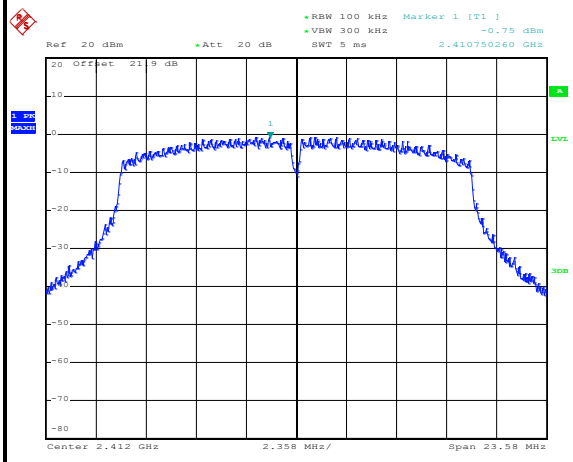


Date: 17.JUN.2016 07:29:24

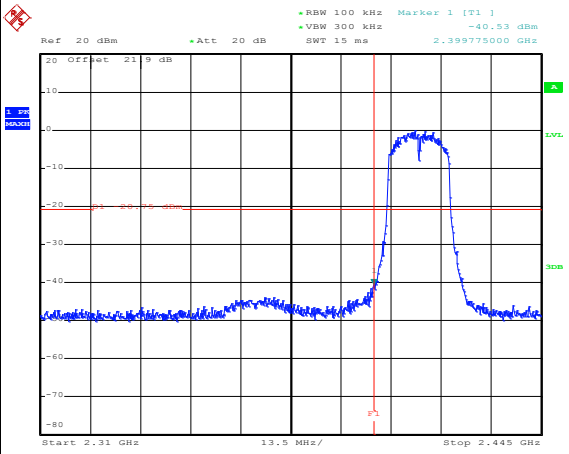
Number of TX :	3	**Ant. :**	2
Test Mode :	802.11g	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	01	**Test Engineer :**	Bill Kuo

WLAN 802.11g Channel 01

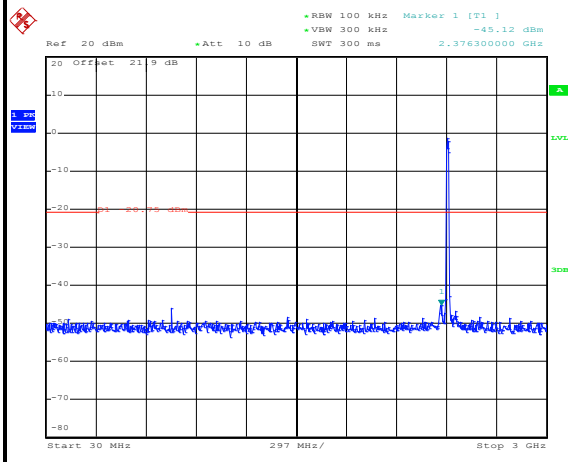
100kHz PSD reference Level



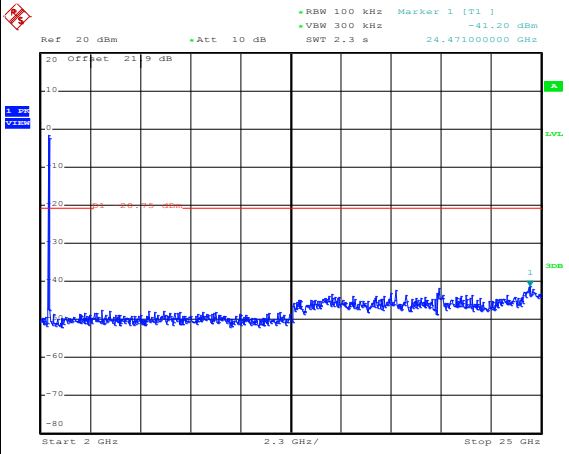
Low Channel Plot



Spurious Emission 30MHz~3GHz



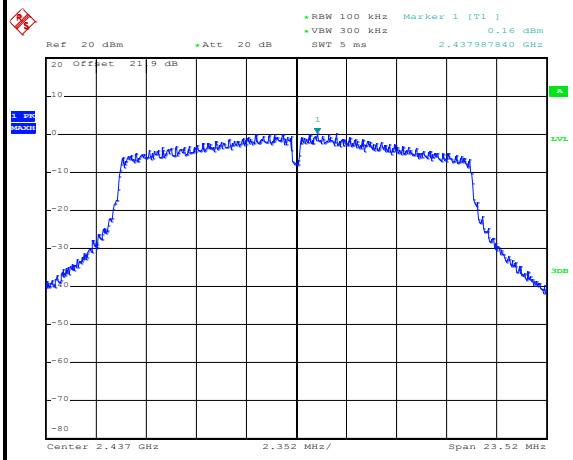
Spurious Emission 2GHz~25GHz



Number of TX :	3	**Ant. :**	2
Test Mode :	802.11g	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

WLAN 802.11g Channel 06

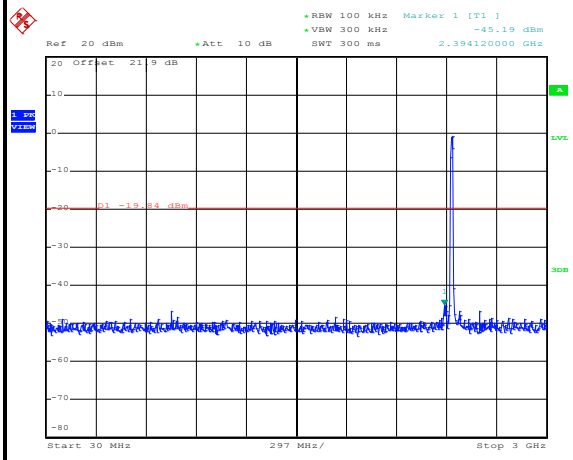
100kHz PSD reference Level



Date: 18.JUN.2016 03:27:03

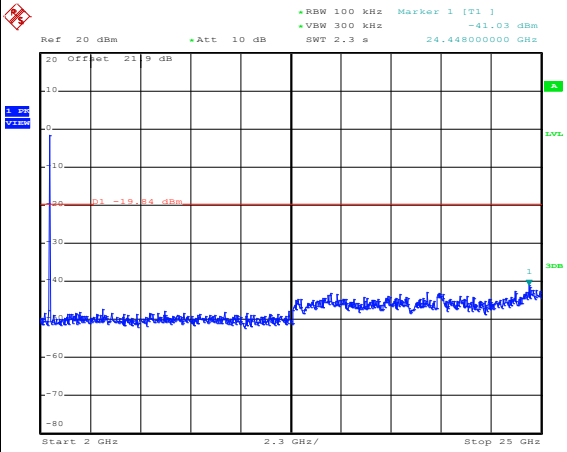
Mid Channel Plot

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 03:27:14

Spurious Emission 2GHz~25GHz

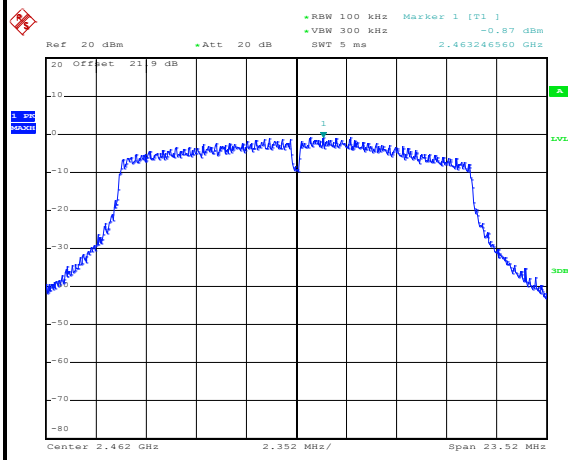


Date: 18.JUN.2016 03:27:23

Number of TX :	3	**Ant. :**	2
Test Mode :	802.11g	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	11	**Test Engineer :**	Bill Kuo

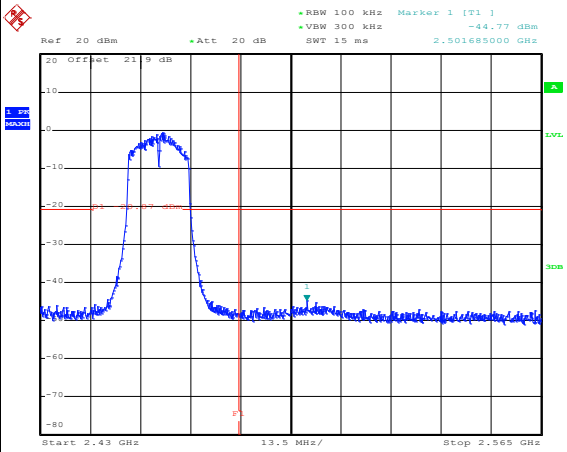
WLAN 802.11g Channel 11

100kHz PSD reference Level



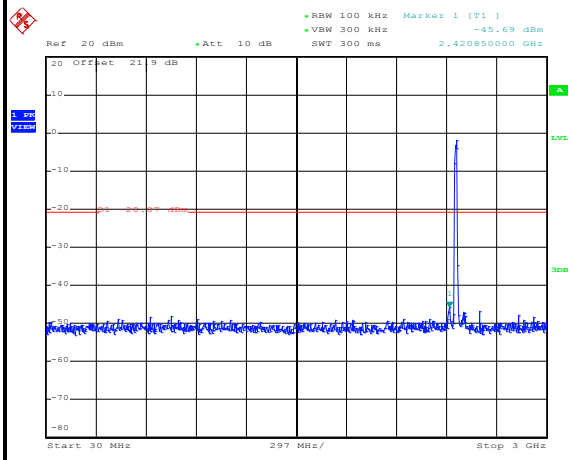
Date: 18.JUN.2016 03:21:44

High Channel Plot



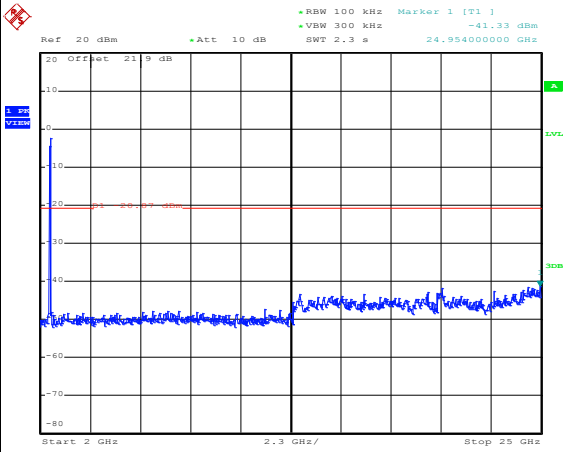
Date: 18.JUN.2016 03:21:59

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 03:22:11

Spurious Emission 2GHz~25GHz

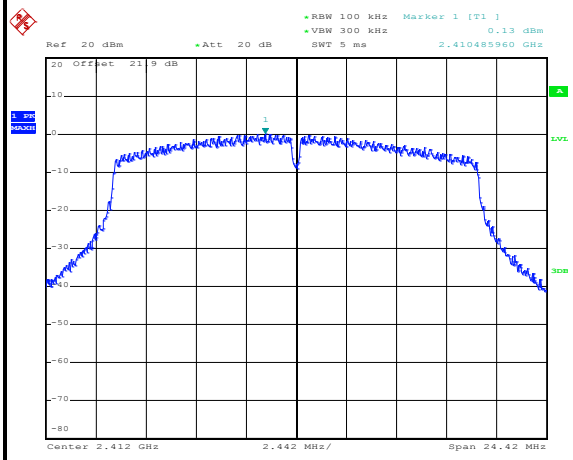


Date: 18.JUN.2016 03:22:19

Number of TX :	3	**Ant. :**	2
Test Mode :	802.11n HT20	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	01	**Test Engineer :**	Bill Kuo

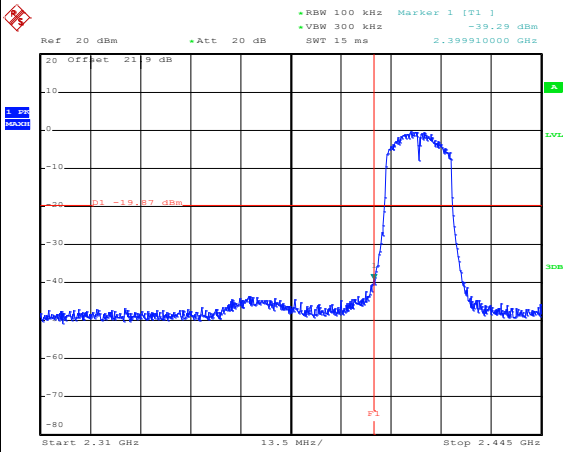
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



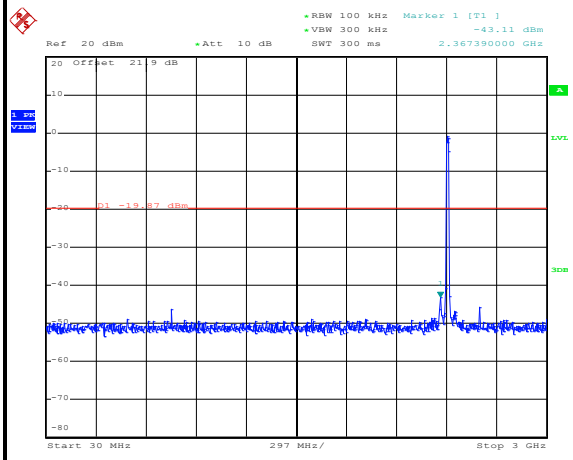
Date: 18.JUN.2016 04:18:17

Low Channel Plot



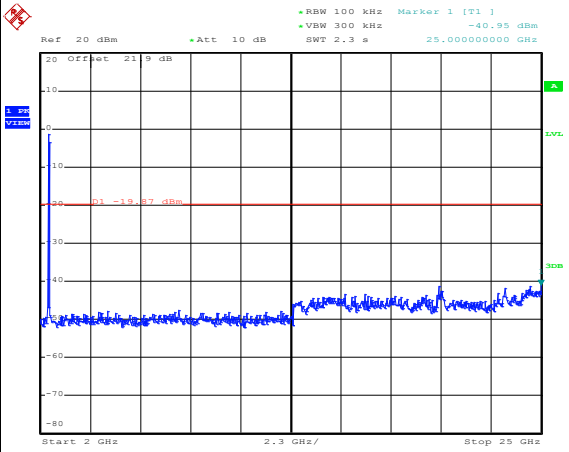
Date: 18.JUN.2016 04:18:32

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:18:43

Spurious Emission 2GHz~25GHz

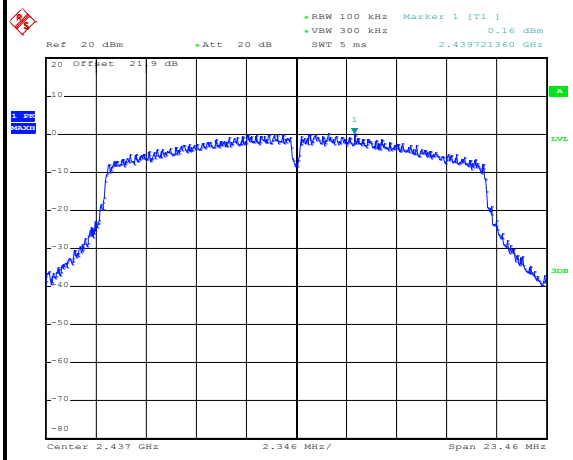


Date: 18.JUN.2016 04:18:51

Number of TX :	3	**Ant. :**	2
Test Mode :	802.11n HT20	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

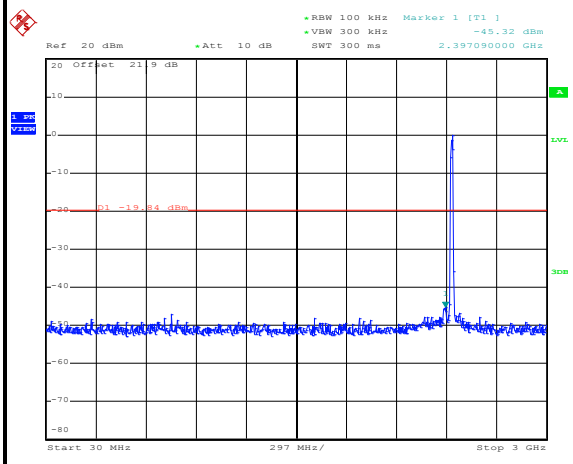
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level

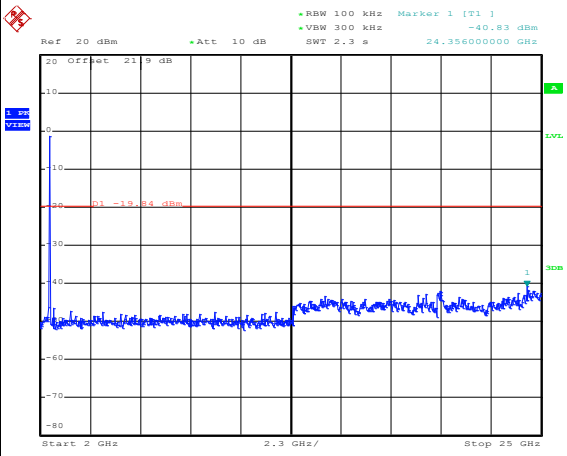


Mid Channel Plot

Spurious Emission 30MHz~3GHz



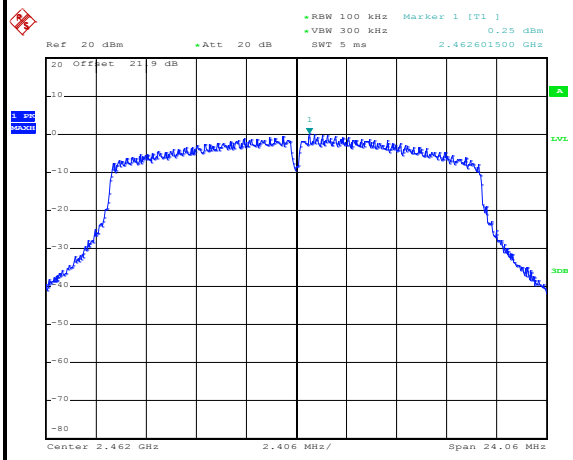
Spurious Emission 2GHz~25GHz



Number of TX :	3	**Ant. :**	2
Test Mode :	802.11n HT20	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	11	**Test Engineer :**	Bill Kuo

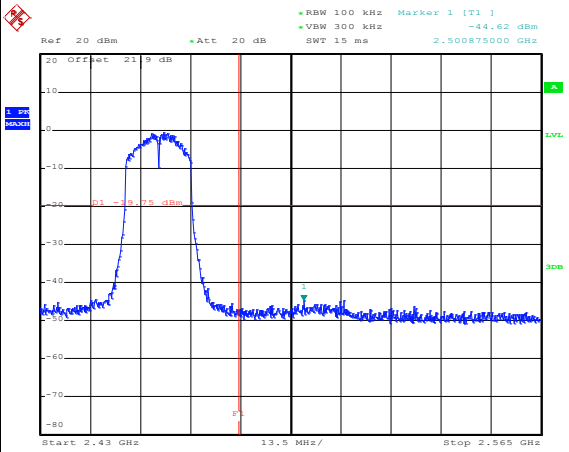
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



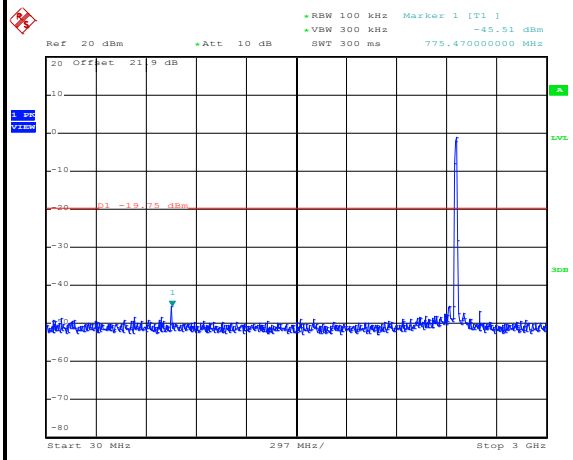
Date: 18.JUN.2016 04:24:38

High Channel Plot



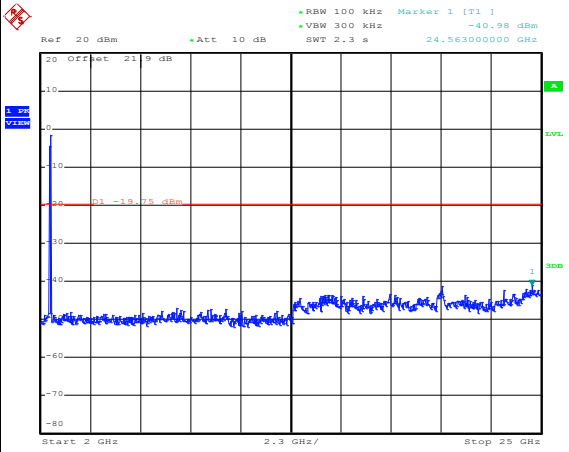
Date: 18.JUN.2016 04:24:51

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:25:02

Spurious Emission 2GHz~25GHz

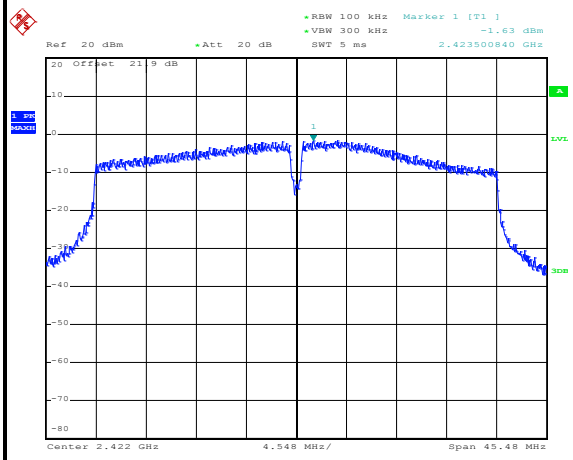


Date: 18.JUN.2016 04:25:11

Number of TX :	3	**Ant. :**	2
Test Mode :	802.11n HT40	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	03	**Test Engineer :**	Bill Kuo

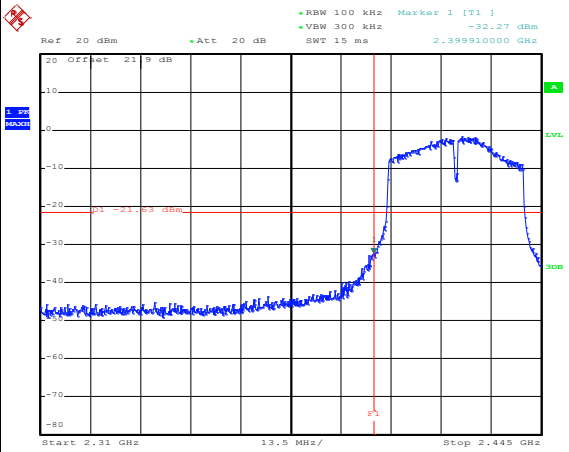
WLAN 802.11n HT40 Channel 03

100kHz PSD reference Level



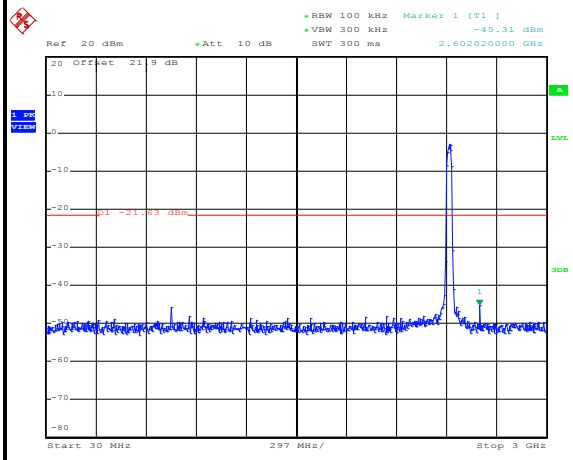
Date: 18.JUN.2016 04:55:06

Low Channel Plot



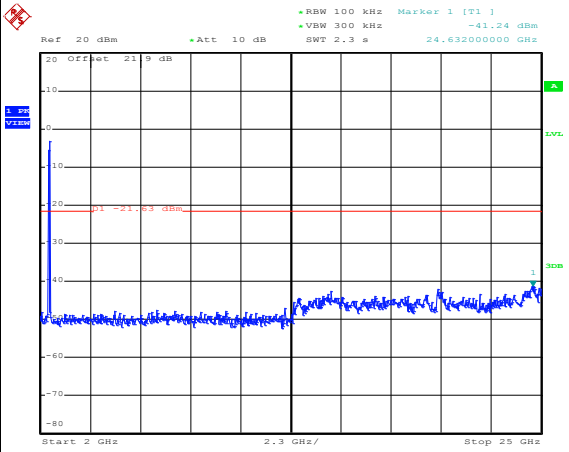
Date: 18.JUN.2016 04:55:40

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:55:51

Spurious Emission 2GHz~25GHz

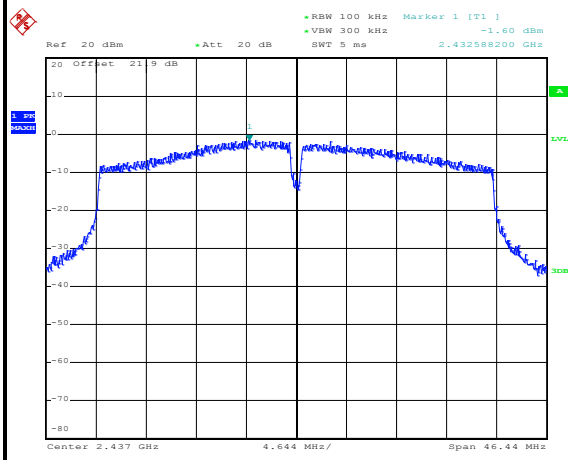


Date: 18.JUN.2016 04:56:00

Number of TX :	3	**Ant. :**	2
Test Mode :	802.11n HT40	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

WLAN 802.11n HT40 Channel 06

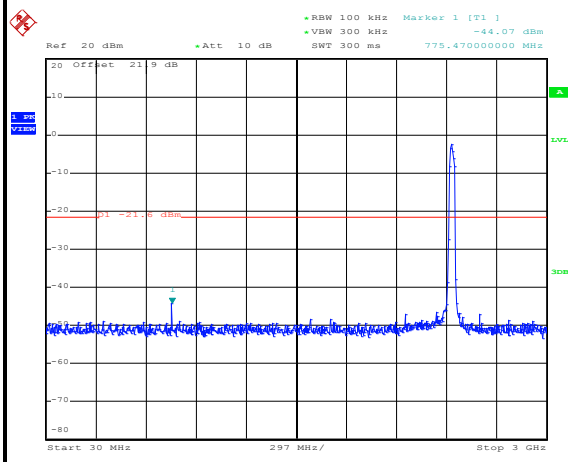
100kHz PSD reference Level



Date: 18.JUN.2016 04:52:09

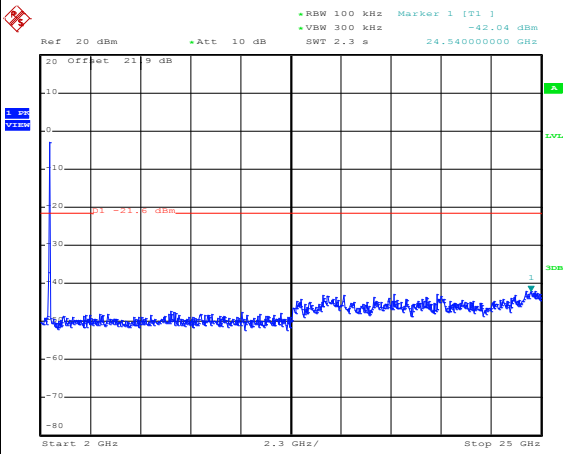
Mid Channel Plot

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:52:22

Spurious Emission 2GHz~25GHz

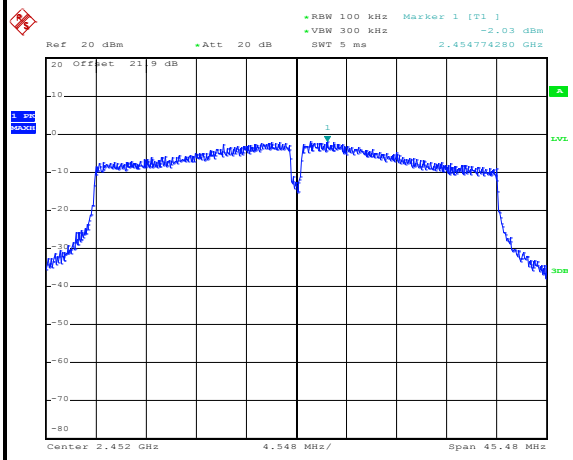


Date: 18.JUN.2016 04:52:30

Number of TX :	3	**Ant. :**	2
Test Mode :	802.11n HT40	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	09	**Test Engineer :**	Bill Kuo

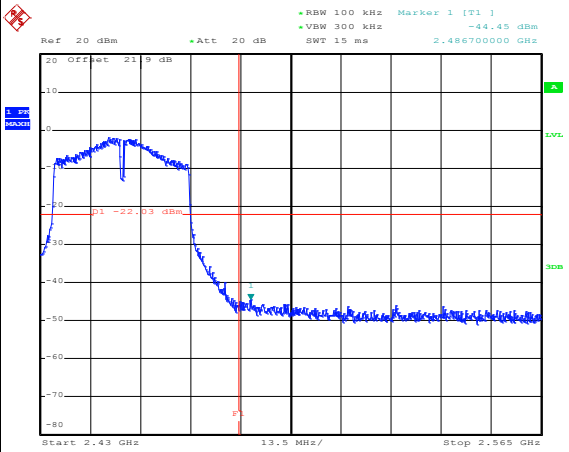
WLAN 802.11n HT40 Channel 09

100kHz PSD reference Level



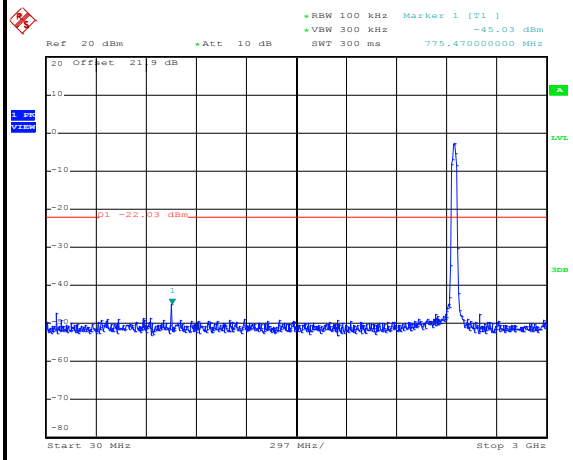
Date: 18.JUN.2016 04:48:01

High Channel Plot



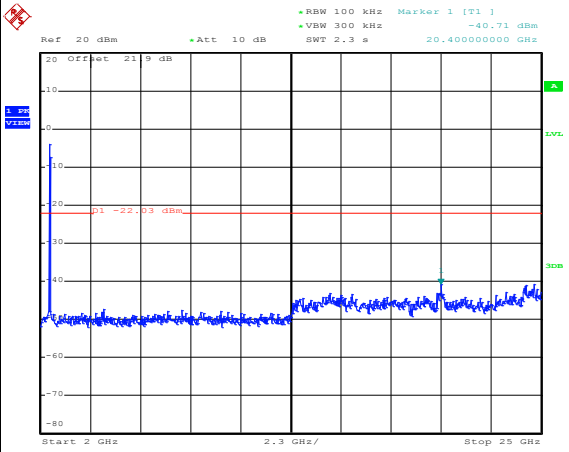
Date: 18.JUN.2016 04:48:41

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:48:52

Spurious Emission 2GHz~25GHz



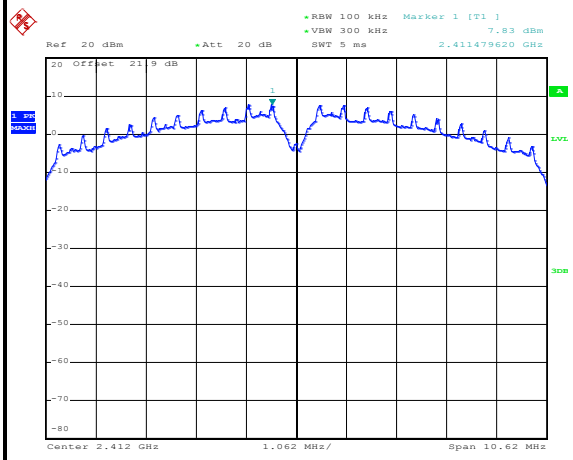
Date: 18.JUN.2016 04:49:00

Number of TX = 3, Ant. 3 (Measured)

Number of TX :	3	**Ant. :**	3
Test Mode :	802.11b	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	01	**Test Engineer :**	Bill Kuo

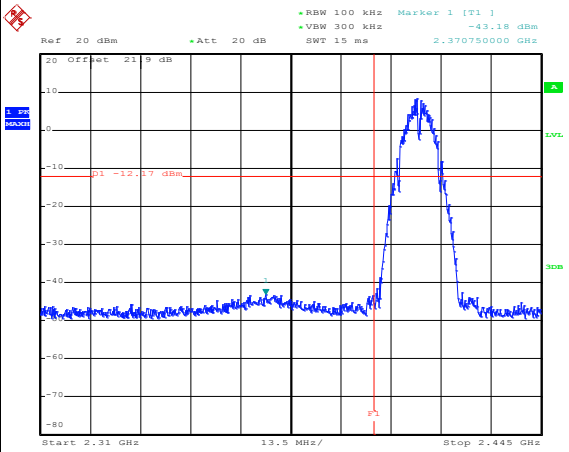
WLAN 802.11b Channel 01

100kHz PSD reference Level



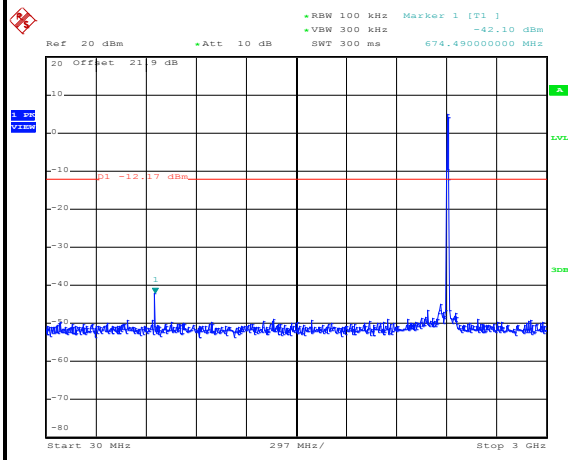
Date: 17.JUN.2016 07:39:39

Low Channel Plot



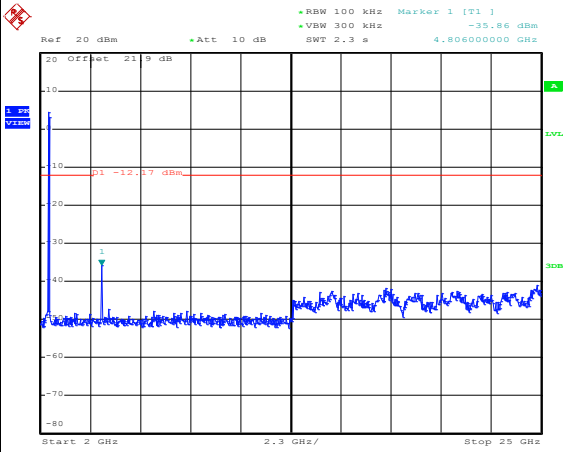
Date: 17.JUN.2016 07:39:55

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:40:06

Spurious Emission 2GHz~25GHz

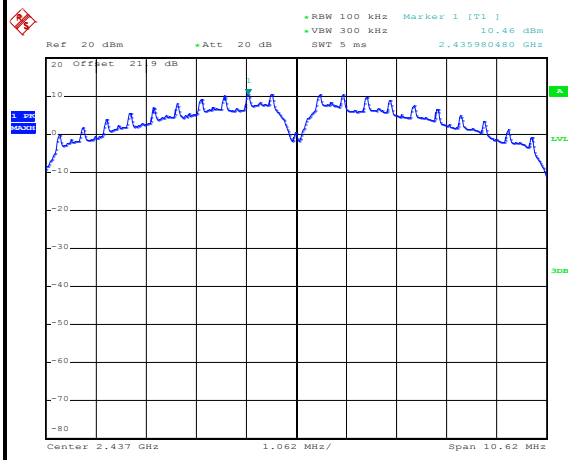


Date: 17.JUN.2016 07:40:14

Number of TX :	3	**Ant. :**	3
Test Mode :	802.11b	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

WLAN 802.11b Channel 06

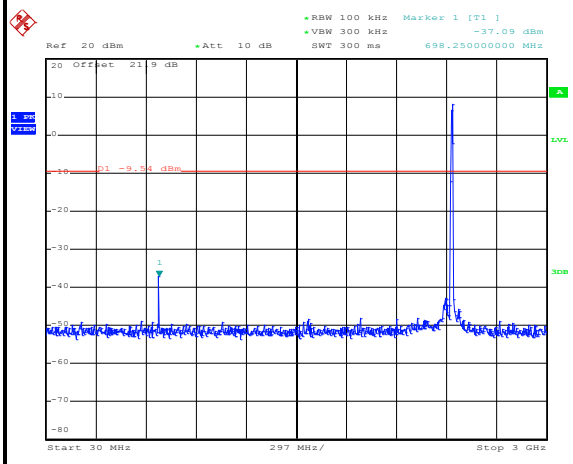
100kHz PSD reference Level



Date: 17.JUN.2016 07:37:36

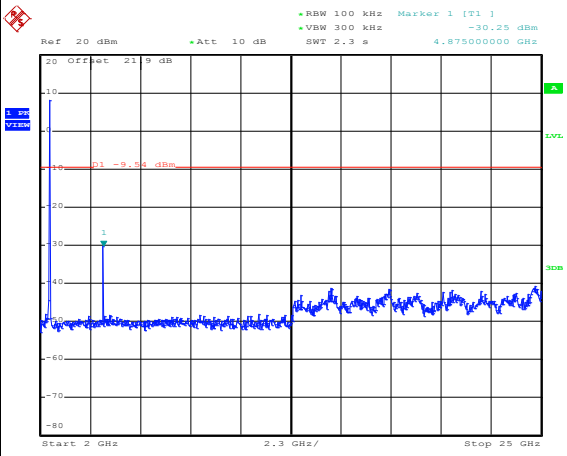
Mid Channel Plot

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:37:47

Spurious Emission 2GHz~25GHz

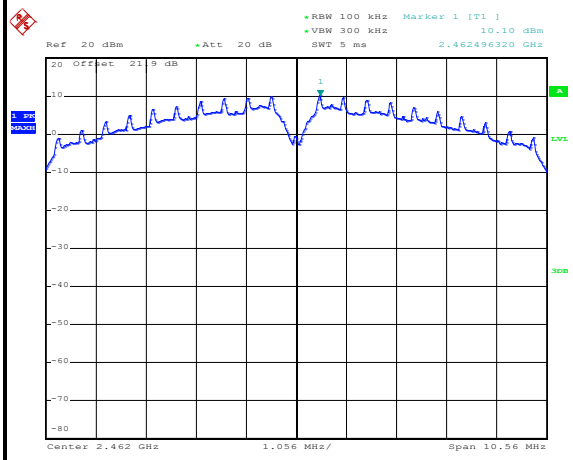


Date: 17.JUN.2016 07:37:56

Number of TX :	3	**Ant. :**	3
Test Mode :	802.11b	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	11	**Test Engineer :**	Bill Kuo

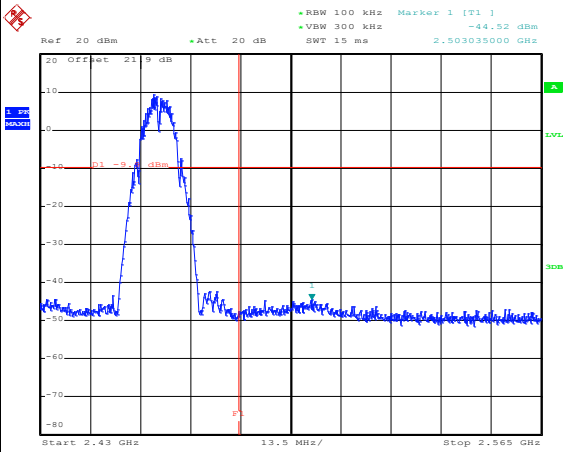
WLAN 802.11b Channel 11

100kHz PSD reference Level



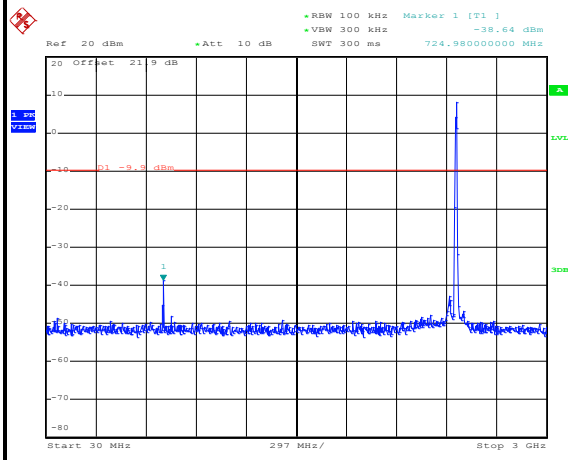
Date: 17.JUN.2016 07:33:25

High Channel Plot



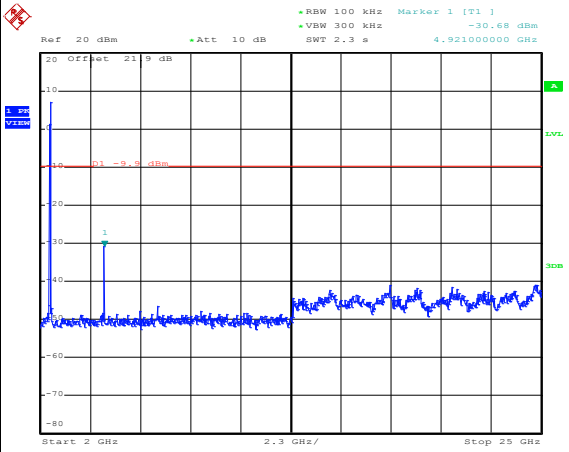
Date: 17.JUN.2016 07:33:37

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:33:49

Spurious Emission 2GHz~25GHz

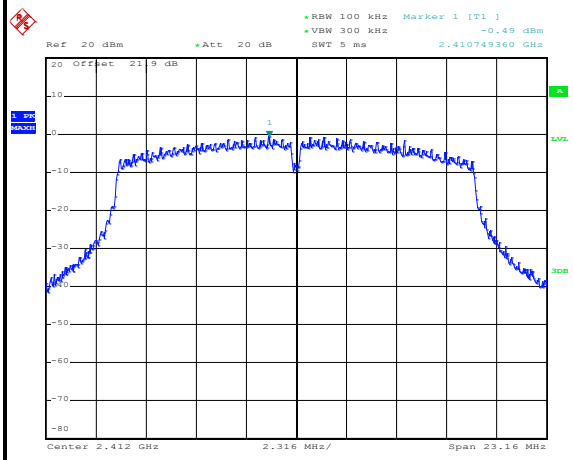


Date: 17.JUN.2016 07:33:57

Number of TX :	3	**Ant. :**	3
Test Mode :	802.11g	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	01	**Test Engineer :**	Bill Kuo

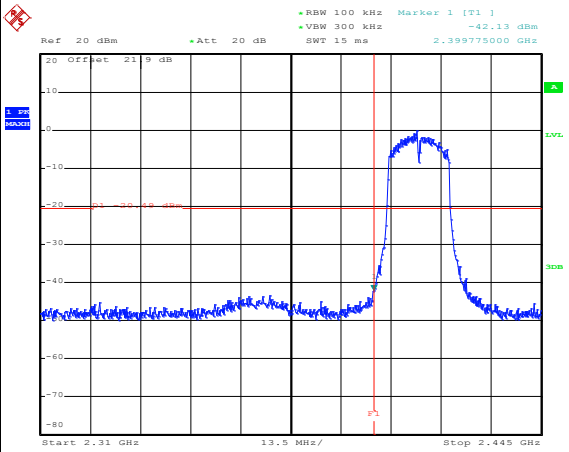
WLAN 802.11g Channel 01

100kHz PSD reference Level



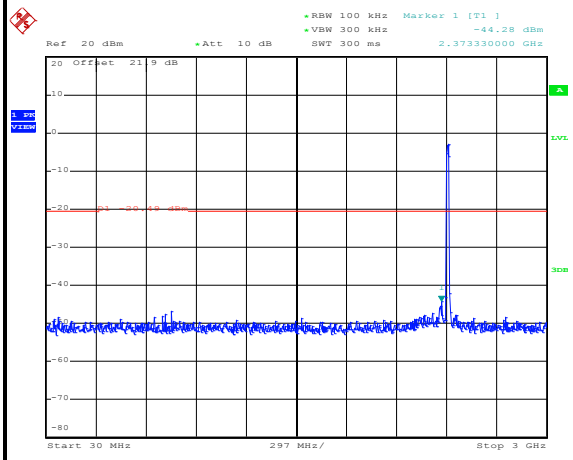
Date: 18.JUN.2016 04:02:38

Low Channel Plot



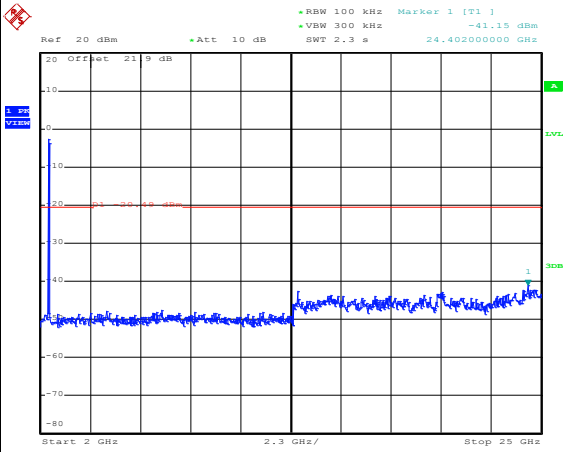
Date: 18.JUN.2016 04:03:18

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:03:29

Spurious Emission 2GHz~25GHz

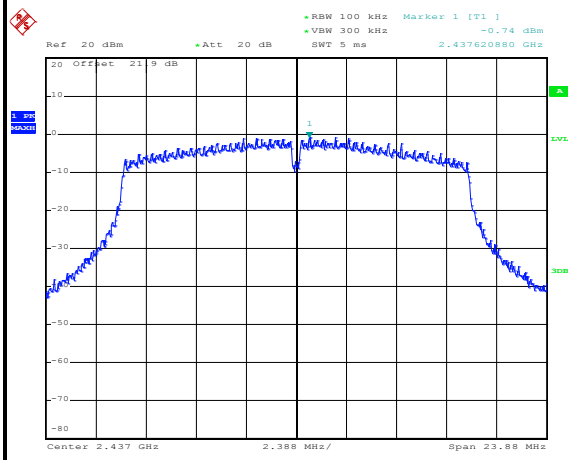


Date: 18.JUN.2016 04:03:38

Number of TX :	3	**Ant. :**	3
Test Mode :	802.11g	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

WLAN 802.11g Channel 06

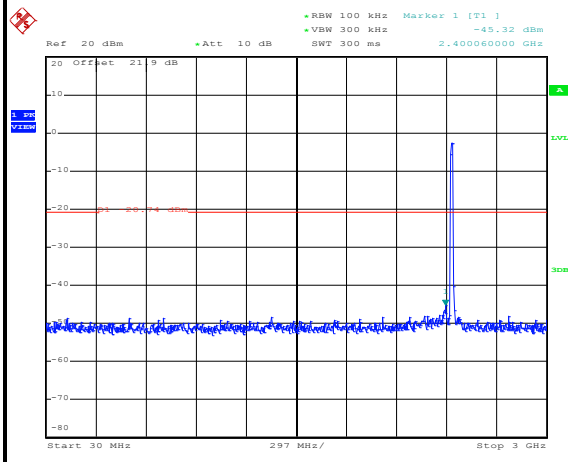
100kHz PSD reference Level



Date: 18.JUN.2016 03:36:36

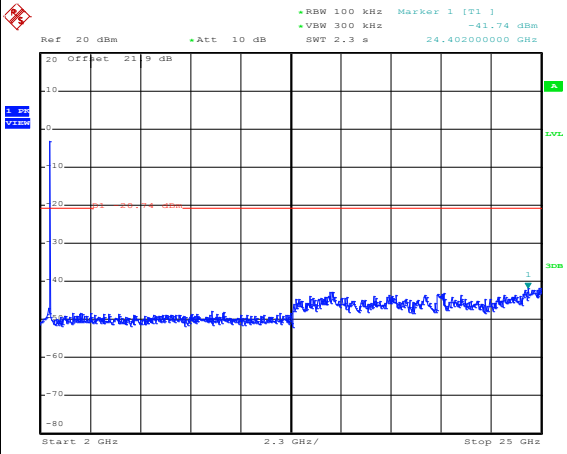
Mid Channel Plot

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 03:36:47

Spurious Emission 2GHz~25GHz

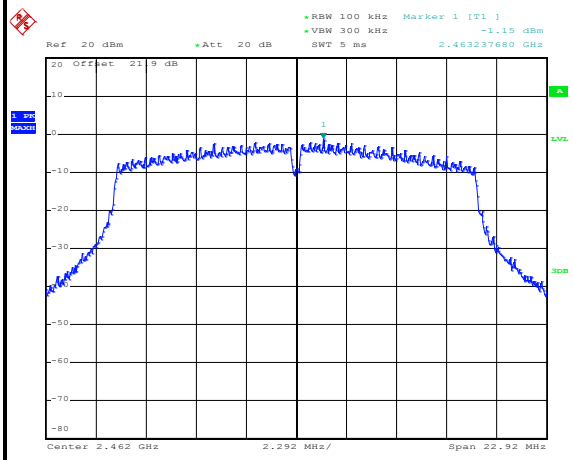


Date: 18.JUN.2016 03:36:56

Number of TX :	3	**Ant. :**	3
Test Mode :	802.11g	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	11	**Test Engineer :**	Bill Kuo

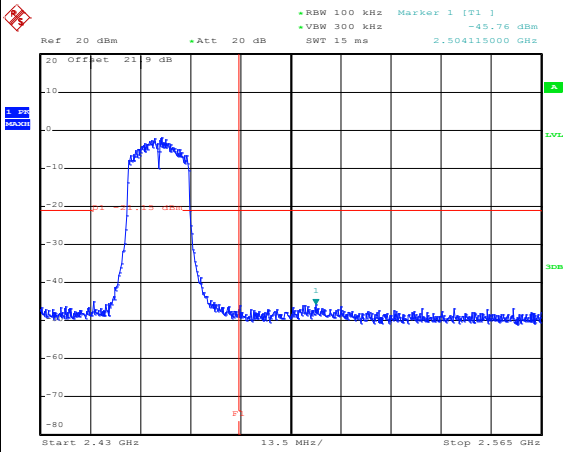
WLAN 802.11g Channel 11

100kHz PSD reference Level



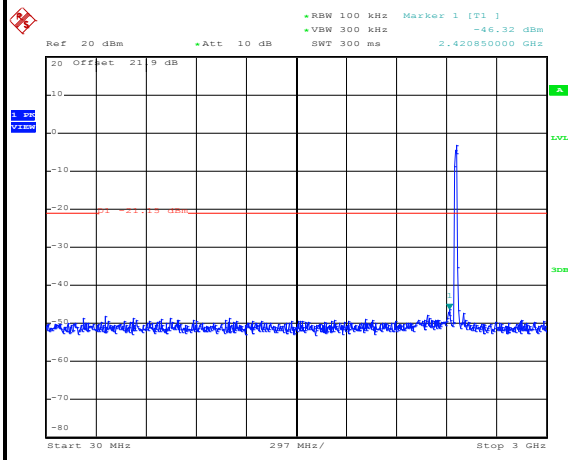
Date: 18.JUN.2016 04:06:13

High Channel Plot



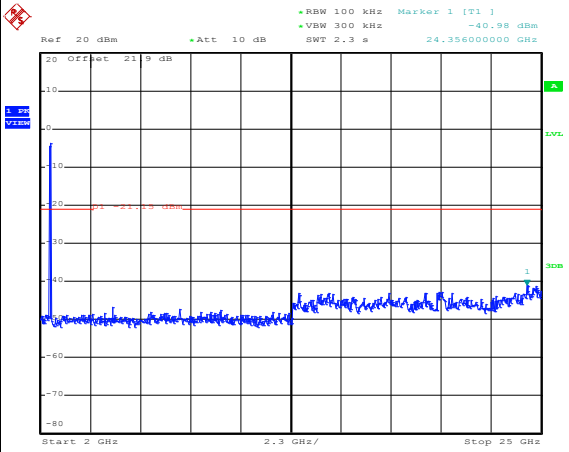
Date: 18.JUN.2016 04:06:41

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:06:53

Spurious Emission 2GHz~25GHz

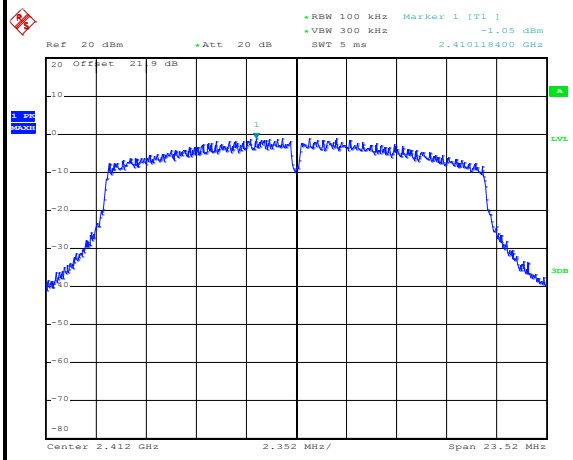


Date: 18.JUN.2016 04:07:01

Number of TX :	3	**Ant. :**	3
Test Mode :	802.11n HT20	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	01	**Test Engineer :**	Bill Kuo

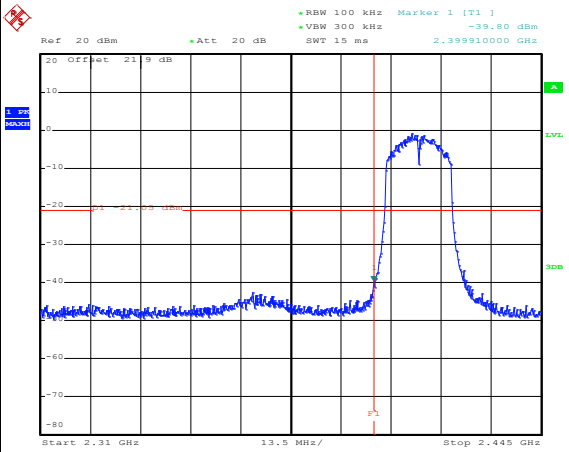
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



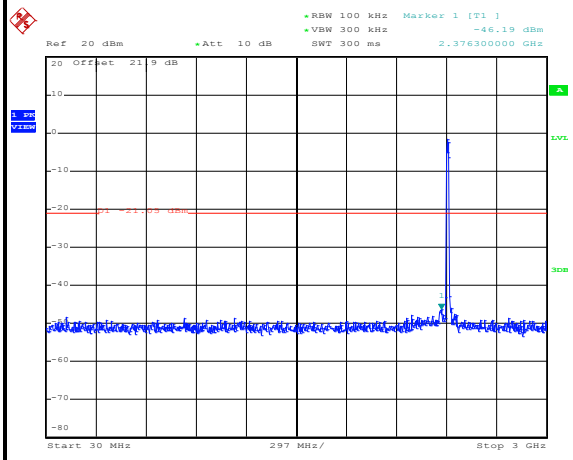
Date: 18.JUN.2016 04:15:11

Low Channel Plot



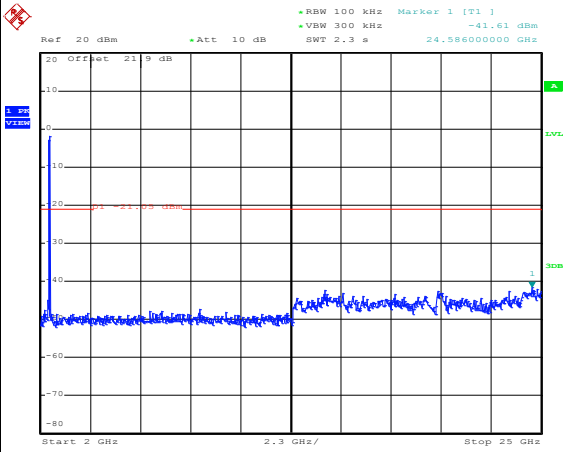
Date: 18.JUN.2016 04:15:54

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:16:06

Spurious Emission 2GHz~25GHz

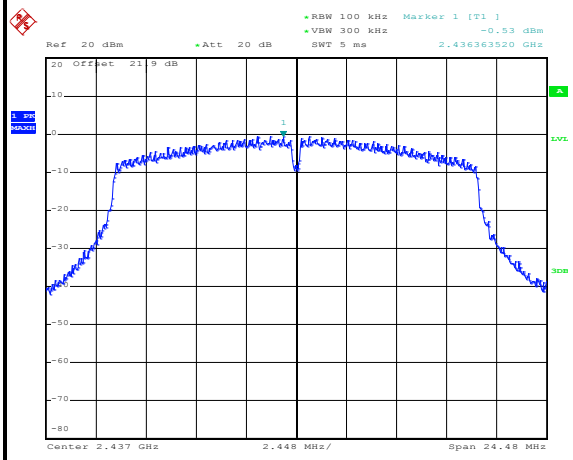


Date: 18.JUN.2016 04:16:14

Number of TX :	3	**Ant. :**	3
Test Mode :	802.11n HT20	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

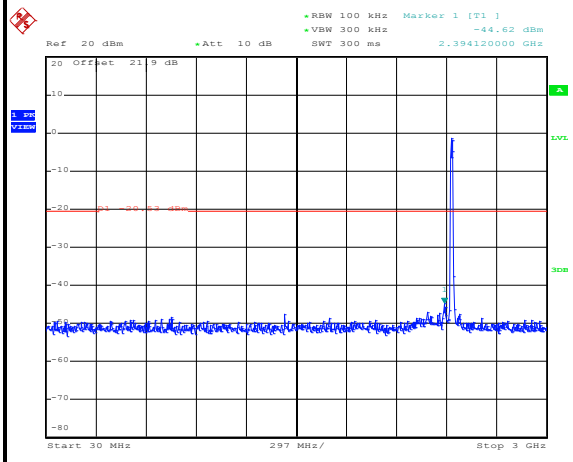
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level

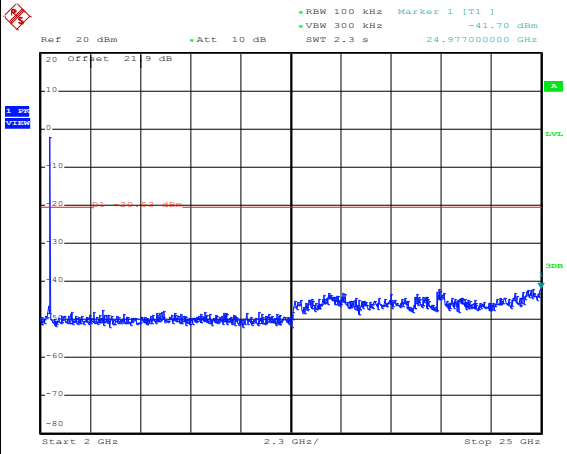


Mid Channel Plot

Spurious Emission 30MHz~3GHz



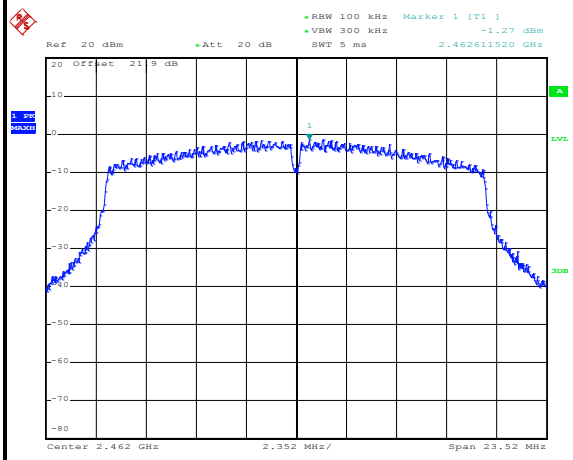
Spurious Emission 2GHz~25GHz



Number of TX :	3	**Ant. :**	3
Test Mode :	802.11n HT20	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	11	**Test Engineer :**	Bill Kuo

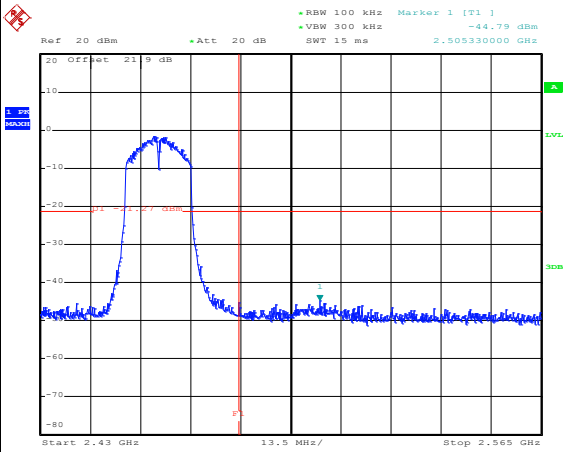
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



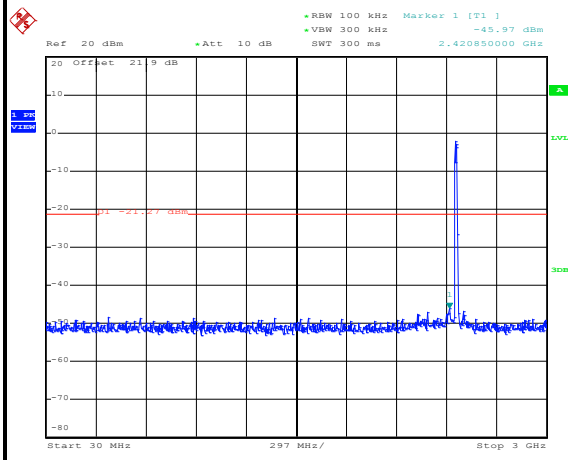
Date: 18.JUN.2016 04:10:51

High Channel Plot



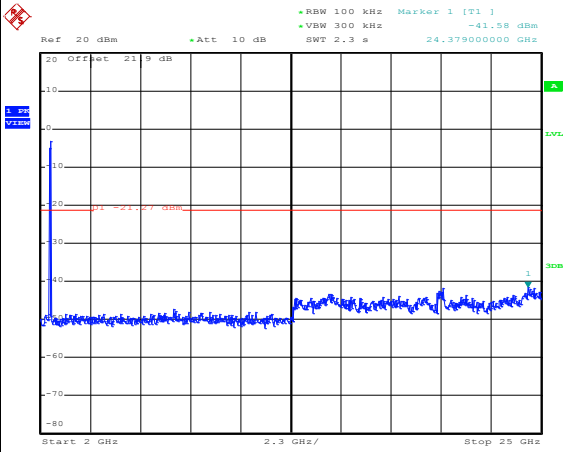
Date: 18.JUN.2016 04:11:03

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:11:15

Spurious Emission 2GHz~25GHz

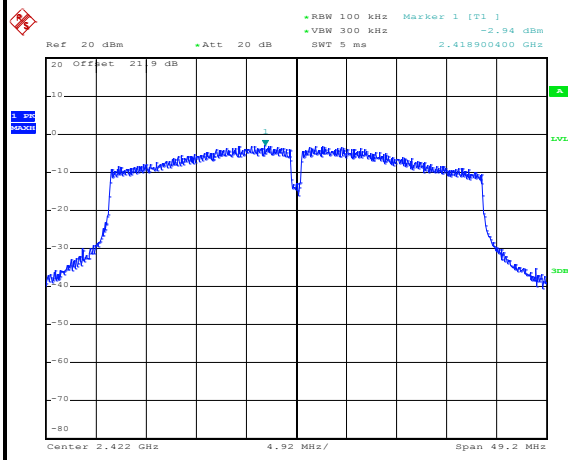


Date: 18.JUN.2016 04:11:23

Number of TX :	3	**Ant. :**	3
Test Mode :	802.11n HT40	**Temperature :**	21~25℃
Test Band :	2.4GHz Low	**Relative Humidity :**	51~54%
Test Channel :	03	**Test Engineer :**	Bill Kuo

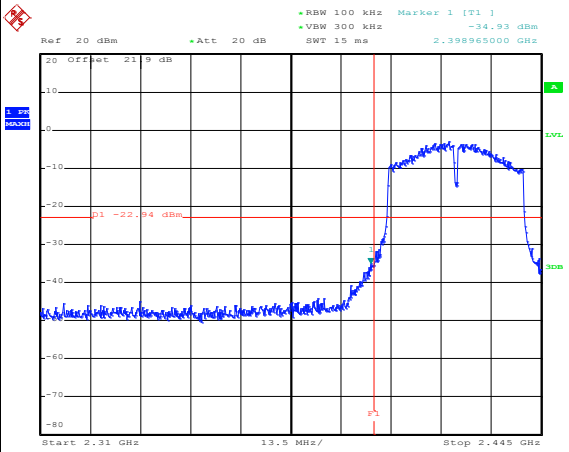
WLAN 802.11n HT40 Channel 03

100kHz PSD reference Level



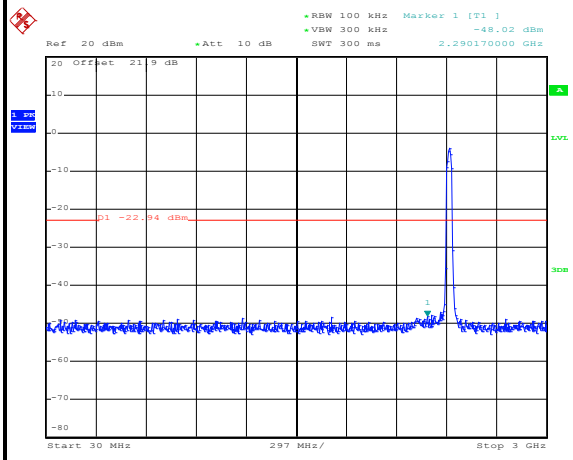
Date: 18.JUN.2016 04:58:45

Low Channel Plot



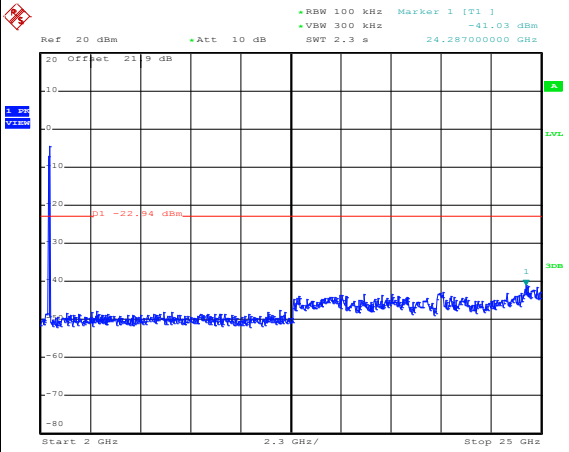
Date: 18.JUN.2016 04:58:57

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:59:08

Spurious Emission 2GHz~25GHz

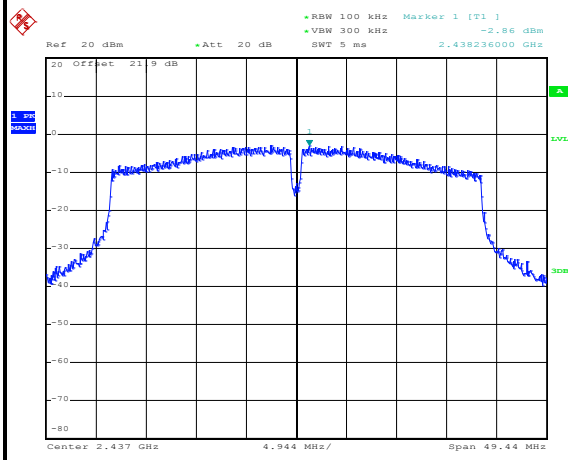


Date: 18.JUN.2016 04:59:17

Number of TX :	3	**Ant. :**	3
Test Mode :	802.11n HT40	**Temperature :**	21~25℃
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Bill Kuo

WLAN 802.11n HT40 Channel 06

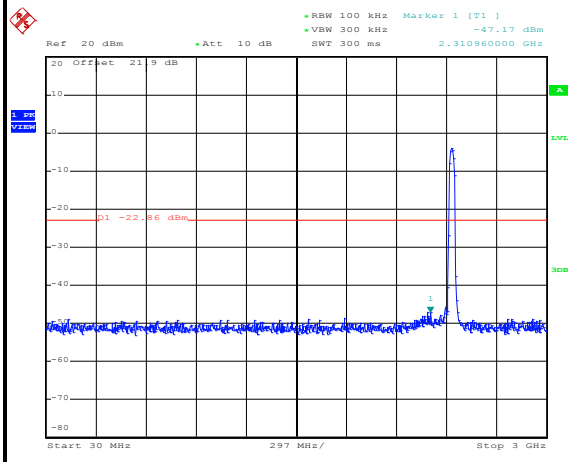
100kHz PSD reference Level



Date: 18.JUN.2016 05:02:58

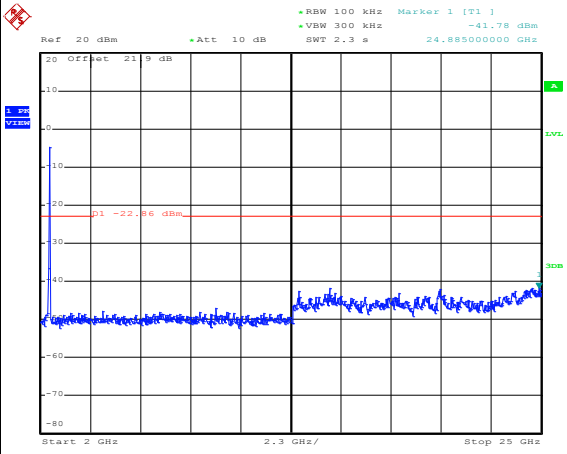
Mid Channel Plot

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 05:03:11

Spurious Emission 2GHz~25GHz

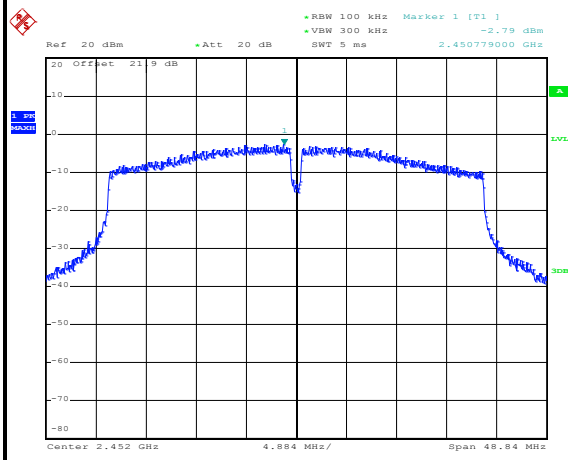


Date: 18.JUN.2016 05:03:19

Number of TX :	3	**Ant. :**	3
Test Mode :	802.11n HT40	**Temperature :**	21~25℃
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	09	**Test Engineer :**	Bill Kuo

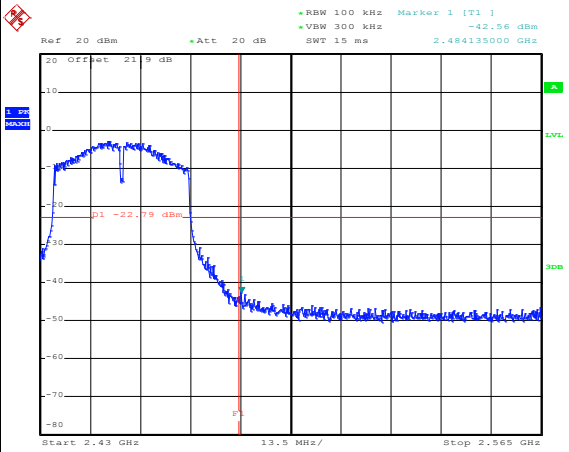
WLAN 802.11n HT40 Channel 09

100kHz PSD reference Level



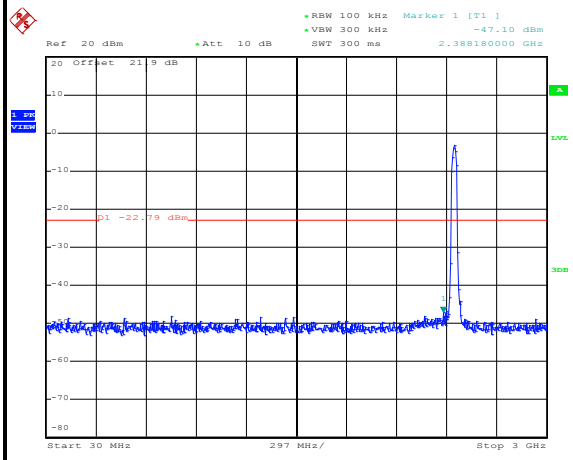
Date: 18.JUN.2016 05:05:35

High Channel Plot



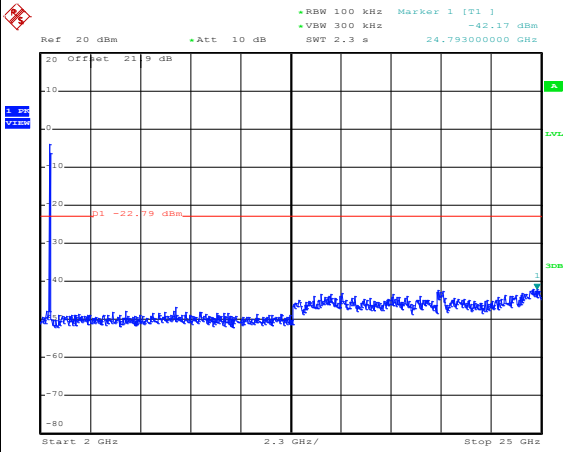
Date: 18.JUN.2016 05:05:52

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 05:07:47

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 05:07:55

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

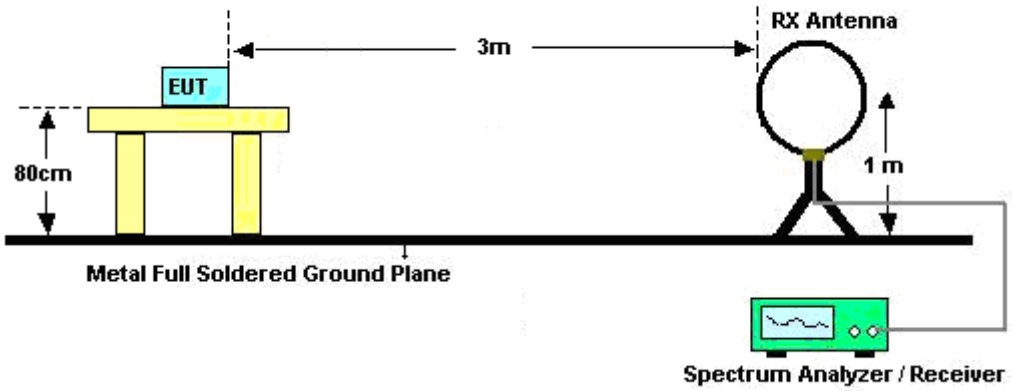
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedure

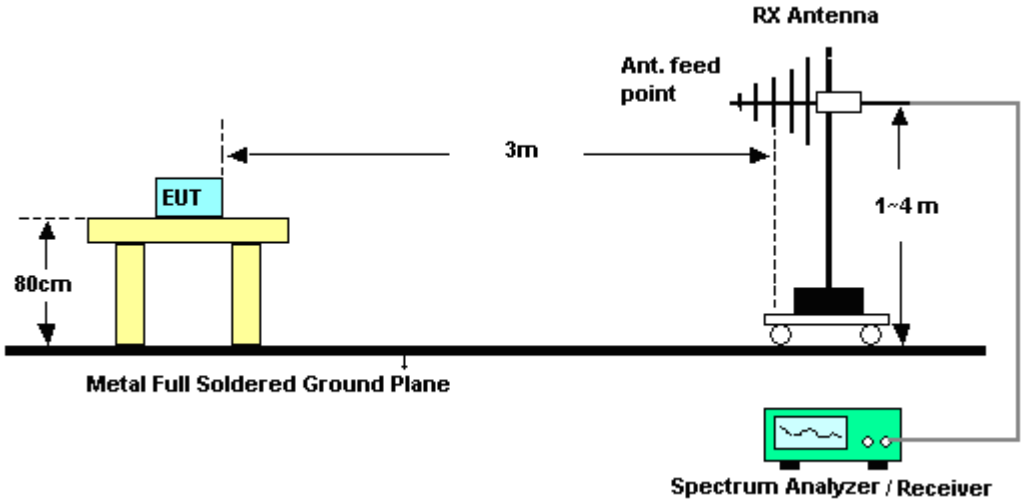
1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r05.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the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

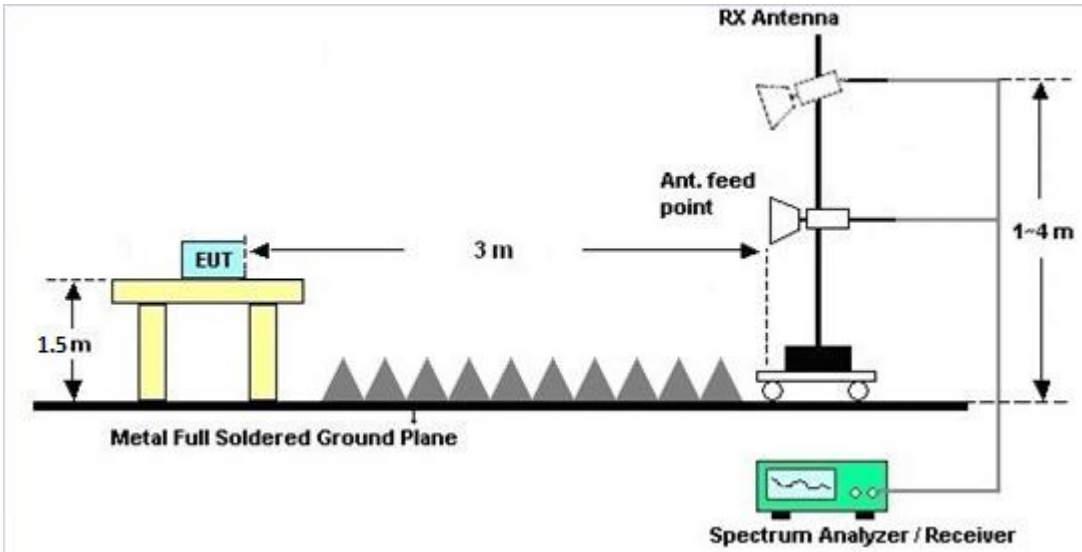
For radiated emissions below 30MHz



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 of this report.

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.

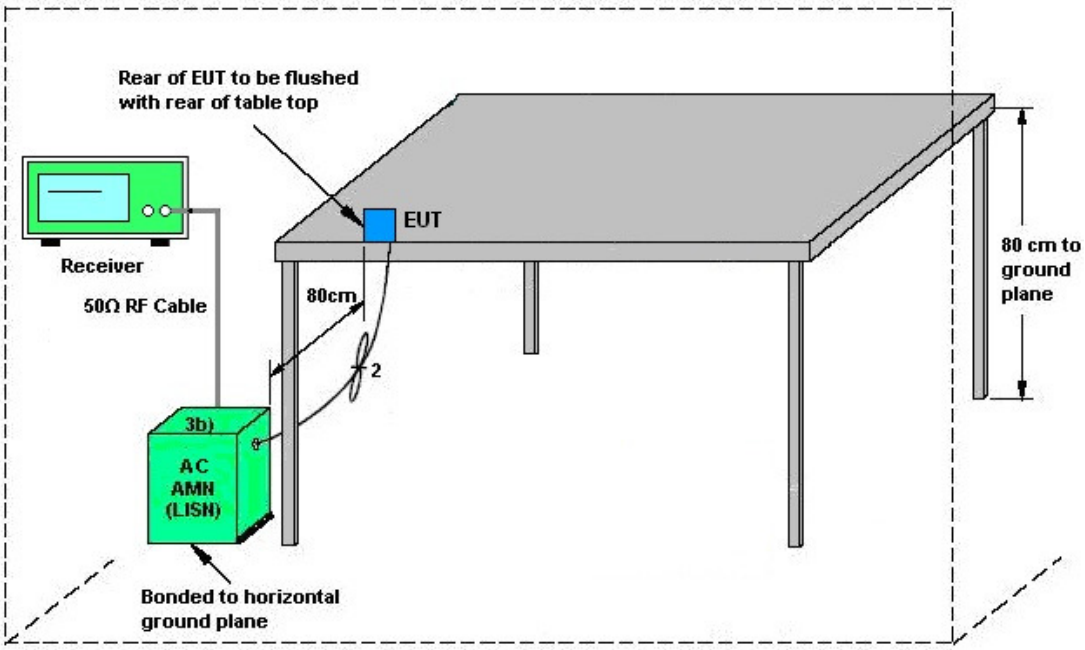
3.6.2 Measuring Instruments

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.

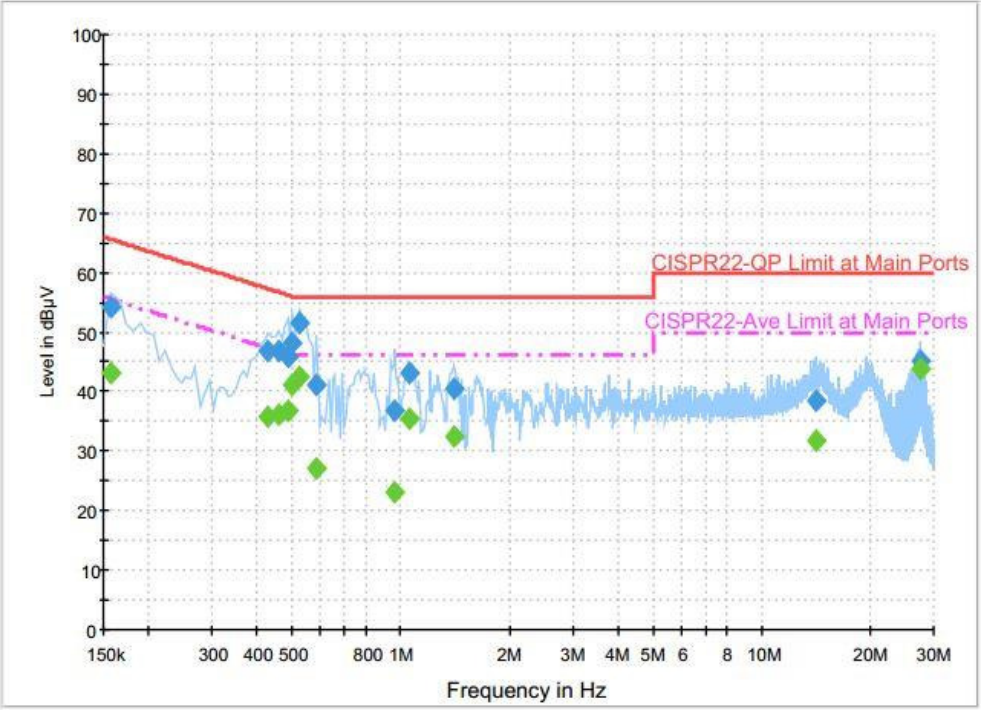
3.6.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.6.5 Test Result of AC Conducted Emission

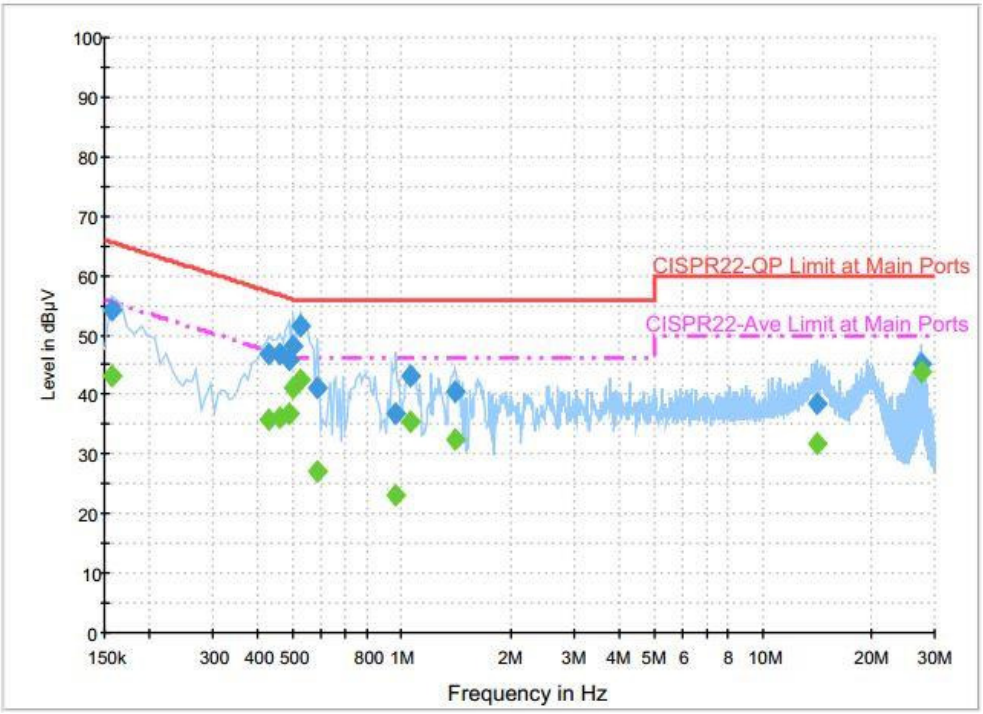
Test Mode :	Mode 1	Temperature :	23~24℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	41~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WLAN (2.4GHz) Link + PoE Adapter + LAN Link		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	54.1	Off	L1	19.6	11.5	65.6
0.430000	46.9	Off	L1	19.6	10.4	57.3
0.462000	46.8	Off	L1	19.6	9.9	56.7
0.486000	45.8	Off	L1	19.6	10.4	56.2
0.502000	48.2	Off	L1	19.6	7.8	56.0
0.526000	51.5	Off	L1	19.6	4.5	56.0
0.582000	41.3	Off	L1	19.6	14.7	56.0
0.966000	36.8	Off	L1	19.7	19.2	56.0
1.054000	43.1	Off	L1	19.7	12.9	56.0
1.414000	40.4	Off	L1	19.7	15.6	56.0
14.102000	38.3	Off	L1	20.3	21.7	60.0
27.534000	45.2	Off	L1	21.0	14.8	60.0

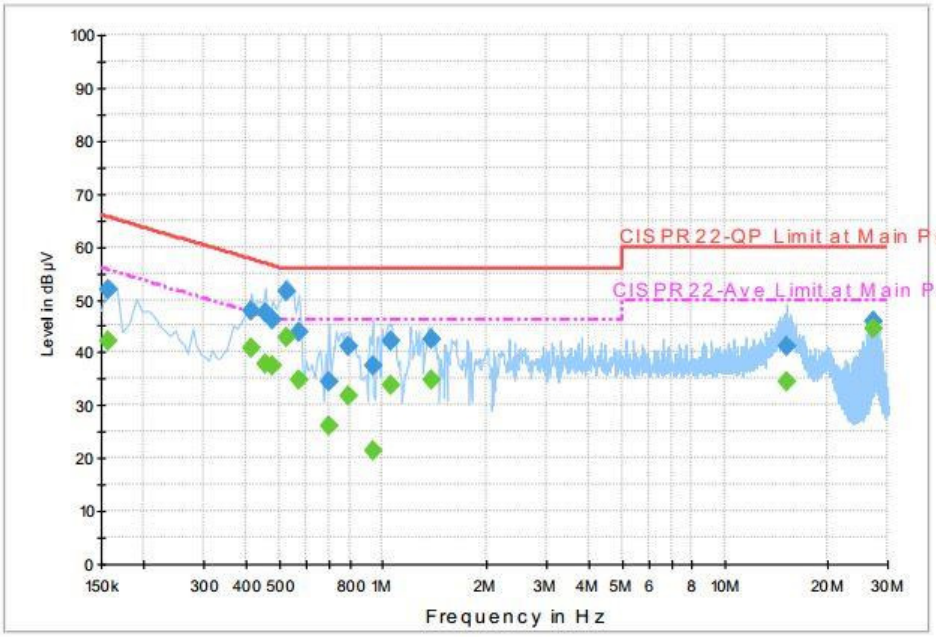
Test Mode :	Mode 1	Temperature :	23~24℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	41~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WLAN (2.4GHz) Link + PoE Adapter + LAN Link		



Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	43.1	Off	L1	19.6	12.5	55.6
0.430000	35.8	Off	L1	19.6	11.5	47.3
0.462000	36.2	Off	L1	19.6	10.5	46.7
0.486000	36.9	Off	L1	19.6	9.3	46.2
0.502000	41.3	Off	L1	19.6	4.7	46.0
0.526000	42.5	Off	L1	19.6	3.5	46.0
0.582000	27.0	Off	L1	19.6	19.0	46.0
0.966000	23.2	Off	L1	19.7	22.8	46.0
1.054000	35.3	Off	L1	19.7	10.7	46.0
1.414000	32.5	Off	L1	19.7	13.5	46.0
14.102000	31.9	Off	L1	20.3	18.1	50.0
27.534000	43.9	Off	L1	21.0	6.1	50.0

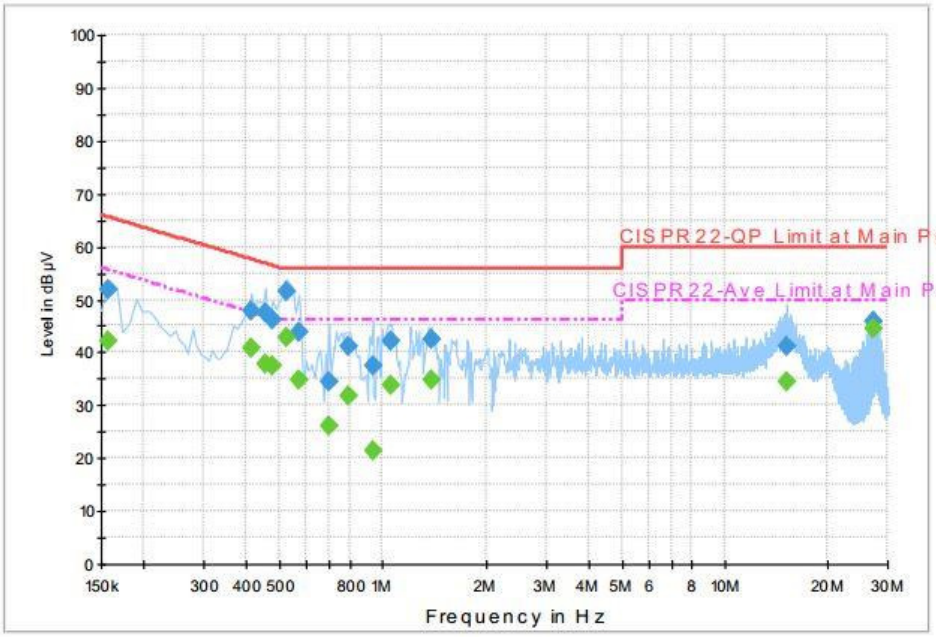
Test Mode :	Mode 1	Temperature :	23~24℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	41~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN (2.4GHz) Link + PoE Adapter + LAN Link		



Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	52.0	Off	N	19.6	13.6	65.6
0.414000	48.0	Off	N	19.6	9.6	57.6
0.454000	47.5	Off	N	19.6	9.3	56.8
0.478000	46.0	Off	N	19.6	10.4	56.4
0.526000	51.5	Off	N	19.6	4.5	56.0
0.566000	43.7	Off	N	19.6	12.3	56.0
0.694000	34.6	Off	N	19.6	21.4	56.0
0.798000	41.1	Off	N	19.6	14.9	56.0
0.934000	37.3	Off	N	19.6	18.7	56.0
1.062000	42.1	Off	N	19.6	13.9	56.0
1.382000	42.6	Off	N	19.6	13.4	56.0
15.142000	41.0	Off	N	20.4	19.0	60.0
27.278000	45.9	Off	N	21.2	14.1	60.0

Test Mode :	Mode 1	Temperature :	23~24℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	41~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN (2.4GHz) Link + PoE Adapter + LAN Link		



Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	42.3	Off	N	19.6	13.3	55.6
0.414000	40.7	Off	N	19.6	6.9	47.6
0.454000	37.6	Off	N	19.6	9.2	46.8
0.478000	37.4	Off	N	19.6	9.0	46.4
0.526000	42.9	Off	N	19.6	3.1	46.0
0.566000	34.6	Off	N	19.6	11.4	46.0
0.694000	26.0	Off	N	19.6	20.0	46.0
0.798000	31.7	Off	N	19.6	14.3	46.0
0.934000	21.6	Off	N	19.6	24.4	46.0
1.062000	33.9	Off	N	19.6	12.1	46.0
1.382000	34.9	Off	N	19.6	11.1	46.0
15.142000	34.4	Off	N	20.4	15.6	50.0
27.278000	44.5	Off	N	21.2	5.5	50.0

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

Non-standard antenna connector 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 GANT 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.

				DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant. 1 (dBi)	Ant. 2 (dBi)	Ant. 3 (dBi)	(dBi)	(dBi)	(dB)	(dB)
2.4 GHz	8.00	8.00	8.00	8.00	12.77	2.00	6.77

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. 16, 2016~ Jun. 18, 2016	Oct. 06, 2016	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Oct. 05, 2015	Mar. 16, 2016~ Jun. 18, 2016	Oct. 04, 2016	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 23, 2015	Mar. 16, 2016~ Jun. 18, 2016	Nov. 22, 2016	Conducted (TH05-HY)
AC Power Source y	AC POWER	AFC-500W	F104070011	50Hz~60Hz	Dec. 02, 2015	Mar. 16, 2016~ Jun. 18, 2016	Dec. 01, 2016	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Jun. 15, 2016	Sep. 01, 2016	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 20, 2015	Jun. 15, 2016	Nov. 19, 2016	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D	35414	30MHz~1GHz	Nov. 17, 2015	Jun. 15, 2016	Nov. 16, 2016	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Oct. 08, 2015	Jun. 15, 2016	Oct. 07, 2016	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 19, 2015	Jun. 15, 2016	Nov. 18, 2016	Radiation (03CH11-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1902247	1GHz~18GHz	Jul. 01, 2015	Jun. 15, 2016	Jun. 30, 2016	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHZ	Sep. 24, 2015	Jun. 15, 2016	Sep. 23, 2016	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jun. 15, 2016	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jun. 15, 2016	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jun. 15, 2016	N/A	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 02, 2015	Jun. 15, 2016	Nov. 01, 2016	Radiation (03CH11-HY)
Preamplifier	MITEQ	TTA0204	1872107	2GHz~40GHz	Feb. 15, 2016	Jun. 15, 2016	Feb. 14, 2017	Radiation (03CH11-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	May 31, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 26, 2015	May 31, 2016	Aug. 25, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2015	May 31, 2016	Dec. 01, 2016	Conduction (CO05-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))	**4.90**

Appendix A. Conducted Test Results

<PTP>

Test Engineer:	Bill Kuo	Temperature:	21~25	°C
Test Date:	2016/03/16~2016/6/18	Relative Humidity:	51~54	%

Report Number : FR622510-05A

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 3	Ant 1	Ant 2	Ant 3		
11b	1Mbps	3	1	2412	11.55	11.60	11.75	7.08	7.08	7.08	0.50	Pass
11b	1Mbps	3	6	2437	11.65	11.30	11.50	7.08	7.04	7.08	0.50	Pass
11b	1Mbps	3	11	2462	11.40	11.70	11.65	7.04	7.04	7.04	0.50	Pass
11g	6Mbps	3	1	2412	16.70	16.65	16.70	15.64	15.68	15.68	0.50	Pass
11g	6Mbps	3	6	2437	16.65	16.70	16.65	15.72	15.64	15.92	0.50	Pass
11g	6Mbps	3	11	2462	16.70	16.70	16.65	15.68	15.44	15.44	0.50	Pass
HT20	MCS0	3	1	2412	17.80	17.65	17.70	16.96	15.44	15.68	0.50	Pass
HT20	MCS0	3	6	2437	17.85	17.85	17.70	16.92	17.28	15.08	0.50	Pass
HT20	MCS0	3	11	2462	17.65	17.75	17.70	15.28	16.28	16.72	0.50	Pass
HT40	MCS0	3	3	2422	36.10	35.90	36.20	32.00	28.80	32.56	0.50	Pass
HT40	MCS0	3	6	2437	36.10	36.10	36.00	30.40	31.68	31.92	0.50	Pass
HT40	MCS0	3	9	2452	36.00	35.90	36.00	32.56	32.08	31.36	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)			Pass /Fail
					Ant 1	Ant 2	Ant 3	SUM	Ant 1	Ant 2	Ant 3	Ant 1	Ant 2	Ant 3	
11b	1Mbps	3	1	2412	19.39	20.45	19.39	24.54	29.33			8.00			Pass
11b	1Mbps	3	6	2437	22.15	22.85	21.79	27.06	29.33			8.00			Pass
11b	1Mbps	3	11	2462	22.29	22.99	21.32	27.02	29.33			8.00			Pass
11g	6Mbps	3	1	2412	24.21	24.77	24.17	29.16	29.33			8.00			Pass
11g	6Mbps	3	6	2437	23.63	24.44	23.74	28.72	29.33			8.00			Pass
11g	6Mbps	3	11	2462	23.78	24.73	23.82	28.90	29.33			8.00			Pass
HT20	MCS0	3	1	2412	23.77	24.80	23.98	28.98	29.33			8.00			Pass
HT20	MCS0	3	6	2437	24.16	24.61	24.02	29.04	29.33			8.00			Pass
HT20	MCS0	3	11	2462	24.07	24.50	23.81	28.91	29.33			8.00			Pass
HT40	MCS0	3	3	2422	23.82	24.54	23.51	28.75	29.33			8.00			Pass
HT40	MCS0	3	6	2437	23.71	24.45	23.85	28.79	29.33			8.00			Pass
HT40	MCS0	3	9	2452	23.86	24.50	23.89	28.86	29.33			8.00			Pass

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

TEST RESULTS DATA
Average Output Power
(Reporting Only)

2.4GHz Band											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)			Average Conducted Power (dBm)			
					Ant 1	Ant 2	Ant 3	Ant 1	Ant 2	Ant 3	SUM
11b	1Mbps	3	1	2412	0.00	0.00	0.00	16.29	17.32	16.25	21.42
11b	1Mbps	3	6	2437	0.00	0.00	0.00	18.75	19.59	18.49	23.74
11b	1Mbps	3	11	2462	0.00	0.00	0.00	18.89	19.69	18.12	23.72
11g	6Mbps	3	1	2412	0.00	0.00	0.00	14.98	15.86	14.49	19.92
11g	6Mbps	3	6	2437	0.00	0.00	0.00	14.35	15.63	14.19	19.54
11g	6Mbps	3	11	2462	0.00	0.00	0.00	14.54	15.60	14.37	19.64
HT20	MCS0	3	1	2412	0.00	0.00	0.00	14.29	16.32	14.49	19.90
HT20	MCS0	3	6	2437	0.00	0.00	0.00	14.76	15.61	14.52	19.76
HT20	MCS0	3	11	2462	0.00	0.00	0.00	14.27	15.44	14.21	19.45
HT40	MCS0	3	3	2422	0.00	0.00	0.00	15.35	16.81	15.13	20.60
HT40	MCS0	3	6	2437	0.00	0.00	0.00	15.58	16.86	15.77	20.88
HT40	MCS0	3	9	2452	0.00	0.00	0.00	15.45	16.74	15.25	20.64

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	Ant 3	Worse + 3.01	Ant 1	Ant 2	Ant 3	Ant 1	Ant 2	Ant 3	
11b	1Mbps	3	1	2412	-5.01	-4.88	-6.40	-0.11	12.77			5.74			Pass
11b	1Mbps	3	6	2437	-4.86	-4.86	-4.61	0.16	12.77			5.74			Pass
11b	1Mbps	3	11	2462	-3.85	-3.64	-4.13	1.13	12.77			5.74			Pass
11g	6Mbps	3	1	2412	-11.00	-9.55	-11.27	-4.78	12.77			5.74			Pass
11g	6Mbps	3	6	2437	-11.36	-10.64	-12.36	-5.87	12.77			5.74			Pass
11g	6Mbps	3	11	2462	-10.69	-10.61	-10.36	-5.59	12.77			5.74			Pass
HT20	MCS0	3	1	2412	-11.15	-10.24	-8.85	-4.08	12.77			5.74			Pass
HT20	MCS0	3	6	2437	-11.68	-11.70	-10.63	-5.86	12.77			5.74			Pass
HT20	MCS0	3	11	2462	-10.54	-9.96	-11.38	-5.19	12.77			5.74			Pass
HT40	MCS0	3	3	2422	-11.93	-11.70	-11.99	-6.93	12.77			5.74			Pass
HT40	MCS0	3	6	2437	-12.78	-11.80	-12.61	-7.03	12.77			5.74			Pass
HT40	MCS0	3	9	2452	-12.68	-12.18	-12.08	-7.31	12.77			5.74			Pass

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

<PTMP>

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 3	Ant 1	Ant 2	Ant 3		
11b	1Mbps	3	1	2412	11.55	11.60	11.75	7.08	7.08	7.08	0.50	Pass
11b	1Mbps	3	6	2437	11.65	11.30	11.50	7.08	7.04	7.08	0.50	Pass
11b	1Mbps	3	11	2462	11.40	11.70	11.65	7.04	7.04	7.04	0.50	Pass
11g	6Mbps	3	1	2412	16.70	16.65	16.65	15.32	15.72	15.44	0.50	Pass
11g	6Mbps	3	6	2437	16.70	16.70	16.60	15.64	15.68	15.92	0.50	Pass
11g	6Mbps	3	11	2462	16.70	16.70	16.70	15.04	15.68	15.28	0.50	Pass
HT20	MCS0	3	1	2412	17.65	17.75	17.70	15.56	16.28	15.68	0.50	Pass
HT20	MCS0	3	6	2437	17.85	17.55	17.70	16.96	15.64	16.32	0.50	Pass
HT20	MCS0	3	11	2462	17.65	17.70	17.70	16.40	16.04	15.68	0.50	Pass
HT40	MCS0	3	3	2422	36.20	36.10	35.90	30.08	30.32	32.80	0.50	Pass
HT40	MCS0	3	6	2437	36.00	36.10	36.00	32.00	30.96	32.96	0.50	Pass
HT40	MCS0	3	9	2452	36.10	36.10	36.10	29.60	30.32	32.56	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)			Pass /Fail
					Ant 1	Ant 2	Ant 3	SUM	Ant 1	Ant 2	Ant 3	Ant 1	Ant 2	Ant 3	
11b	1Mbps	3	1	2412	19.39	20.45	19.39	24.54	28.00			8.00			Pass
11b	1Mbps	3	6	2437	22.15	22.85	21.79	27.06	28.00			8.00			Pass
11b	1Mbps	3	11	2462	22.29	22.99	21.32	27.02	28.00			8.00			Pass
11g	6Mbps	3	1	2412	22.66	23.37	22.71	27.70	28.00			8.00			Pass
11g	6Mbps	3	6	2437	23.07	23.78	22.56	27.94	28.00			8.00			Pass
11g	6Mbps	3	11	2462	22.76	23.17	21.55	27.32	28.00			8.00			Pass
HT20	MCS0	3	1	2412	22.82	23.84	22.47	27.85	28.00			8.00			Pass
HT20	MCS0	3	6	2437	23.04	23.54	22.91	27.94	28.00			8.00			Pass
HT20	MCS0	3	11	2462	22.76	23.89	21.52	27.60	28.00			8.00			Pass
HT40	MCS0	3	3	2422	22.54	23.36	22.58	27.61	28.00			8.00			Pass
HT40	MCS0	3	6	2437	22.25	23.74	22.04	27.52	28.00			8.00			Pass
HT40	MCS0	3	9	2452	22.71	23.22	22.38	27.56	28.00			8.00			Pass

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

TEST RESULTS DATA
Average Output Power
(Reporting Only)

2.4GHz Band											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)			Average Conducted Power (dBm)			
					Ant 1	Ant 2	Ant 3	Ant 1	Ant 2	Ant 3	SUM
11b	1Mbps	3	1	2412	0.00	0.00	0.00	16.29	17.32	16.25	21.42
11b	1Mbps	3	6	2437	0.00	0.00	0.00	18.75	19.59	18.49	23.74
11b	1Mbps	3	11	2462	0.00	0.00	0.00	18.89	19.69	18.12	23.72
11g	6Mbps	3	1	2412	0.00	0.00	0.00	12.58	13.61	12.88	17.82
11g	6Mbps	3	6	2437	0.00	0.00	0.00	12.99	14.42	12.74	18.22
11g	6Mbps	3	11	2462	0.00	0.00	0.00	12.82	13.43	11.53	17.43
HT20	MCS0	3	1	2412	0.00	0.00	0.00	13.09	14.18	12.53	18.09
HT20	MCS0	3	6	2437	0.00	0.00	0.00	13.27	13.74	13.34	18.23
HT20	MCS0	3	11	2462	0.00	0.00	0.00	13.14	13.58	11.85	17.69
HT40	MCS0	3	3	2422	0.00	0.00	0.00	14.04	15.02	14.01	19.15
HT40	MCS0	3	6	2437	0.00	0.00	0.00	13.79	15.44	13.64	19.14
HT40	MCS0	3	9	2452	0.00	0.00	0.00	14.16	15.05	13.72	19.12

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	Ant 3	Worse + 3.01	Ant 1	Ant 2	Ant 3	Ant 1	Ant 2	Ant 3	
11b	1Mbps	3	1	2412	-5.01	-4.88	-6.40	-0.11	12.77			1.23			Pass
11b	1Mbps	3	6	2437	-4.86	-4.86	-4.61	0.16	12.77			1.23			Pass
11b	1Mbps	3	11	2462	-3.85	-3.64	-4.13	1.13	12.77			1.23			Pass
11g	6Mbps	3	1	2412	-12.47	-10.77	-12.73	-6.00	12.77			1.23			Pass
11g	6Mbps	3	6	2437	-13.55	-10.52	-13.61	-5.75	12.77			1.23			Pass
11g	6Mbps	3	11	2462	-13.32	-12.25	-12.90	-7.48	12.77			1.23			Pass
HT20	MCS0	3	1	2412	-12.74	-10.81	-13.05	-6.04	12.77			1.23			Pass
HT20	MCS0	3	6	2437	-12.87	-12.25	-12.92	-7.48	12.77			1.23			Pass
HT20	MCS0	3	11	2462	-12.50	-12.99	-12.60	-7.73	12.77			1.23			Pass
HT40	MCS0	3	3	2422	-14.30	-13.51	-15.39	-8.74	12.77			1.23			Pass
HT40	MCS0	3	6	2437	-14.12	-13.65	-13.58	-8.81	12.77			1.23			Pass
HT40	MCS0	3	9	2452	-14.18	-13.82	-13.56	-8.79	12.77			1.23			Pass

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

Appendix B. Radiated Spurious Emission

Test Engineer :	J.C. Liang and Ken Wu	Temperature :	20~23°C
		Relative Humidity :	50~55%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2372.28	63.89	-10.11	74	64.27	26.96	6.65	33.99	238	179	P	H
		2372.91	53.73	-0.27	54	54.11	26.96	6.65	33.99	238	179	A	H
	*	2412	111.94	-	-	112.15	27.06	6.71	33.98	238	179	P	H
	*	2412	107.63	-	-	107.84	27.06	6.71	33.98	238	179	A	H
		2493.6	54.36	-19.64	74	54.23	27.3	6.77	33.94	238	179	P	H
		2499.96	44.57	-9.43	54	44.44	27.3	6.77	33.94	238	179	A	H
		2372.01	60.73	-13.27	74	61.11	26.96	6.65	33.99	259	15	P	V
		2373.72	49.78	-4.22	54	50.16	26.96	6.65	33.99	259	15	A	V
	*	2412	108.12	-	-	108.33	27.06	6.71	33.98	259	15	P	V
	*	2412	103.86	-	-	104.07	27.06	6.71	33.98	259	15	A	V
		2499.8	52.78	-21.22	74	52.65	27.3	6.77	33.94	259	15	P	V
		2499.84	42.8	-11.2	54	42.67	27.3	6.77	33.94	259	15	A	V
802.11b CH 06 2437MHz		2389.65	64.6	-9.4	74	64.87	27.01	6.71	33.99	207	177	P	H
		2390	53.23	-0.77	54	53.49	27.01	6.71	33.98	207	177	A	H
	*	2438	114.86	-	-	114.93	27.16	6.74	33.97	207	177	P	H
	*	2436	110.56	-	-	110.68	27.11	6.74	33.97	207	177	A	H
		2483.56	60.89	-13.11	74	60.82	27.25	6.77	33.95	207	177	P	H
		2483.52	50.49	-3.51	54	50.42	27.25	6.77	33.95	207	177	A	H
		2389.83	56.93	-17.07	74	57.19	27.01	6.71	33.98	248	93	P	V
		2390	47.86	-6.14	54	48.12	27.01	6.71	33.98	248	93	A	V
	*	2438	110.65	-	-	110.72	27.16	6.74	33.97	248	93	P	V
	*	2438	106.25	-	-	106.32	27.16	6.74	33.97	248	93	A	V
		2484.04	59.45	-14.55	74	59.38	27.25	6.77	33.95	248	93	P	V
		2483.52	48.28	-5.72	54	48.21	27.25	6.77	33.95	248	93	A	V

802.11b CH 11 2462MHz		2325.03	57.28	-16.72	74	57.88	26.82	6.58	34	178	178	P	H
		2325.03	51.32	-2.68	54	51.92	26.82	6.58	34	178	178	A	H
	*	2462	114.46	-	-	114.45	27.2	6.77	33.96	178	178	P	H
	*	2462	110.07	-	-	110.06	27.2	6.77	33.96	178	178	A	H
		2498.76	63.87	-10.13	74	63.74	27.3	6.77	33.94	178	178	P	H
		2499.92	53.66	-0.34	54	53.53	27.3	6.77	33.94	178	178	A	H
		2360.58	52.94	-21.06	74	53.37	26.91	6.65	33.99	251	95	P	V
		2325.03	46.11	-7.89	54	46.71	26.82	6.58	34	251	95	A	V
	*	2462	109.58	-	-	109.57	27.2	6.77	33.96	251	95	P	V
	*	2462	105.26	-	-	105.25	27.2	6.77	33.96	251	95	A	V
		2498.36	60.65	-13.35	74	60.52	27.3	6.77	33.94	251	95	P	V
		2500	50.87	-3.13	54	50.74	27.3	6.77	33.94	251	95	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1+2+3	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)
802.11b CH 01 2412MHz		4824	39.48	-34.52	74	62.85	31.12	10.58	65.07	100	0	P	H
													H
													H
													H
		4824	39.33	-34.67	74	62.7	31.12	10.58	65.07	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	41.64	-32.36	74	64.97	31.21	10.48	65.02	100	0	P	H
		7311	37.39	-36.61	74	54.09	36.08	12.28	65.06	100	0	P	H
													H
													H
		4874	42.78	-31.22	74	66.11	31.21	10.48	65.02	100	0	P	V
		7311	38.07	-35.93	74	54.77	36.08	12.28	65.06	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4924	37.72	-36.28	74	61.01	31.29	10.39	64.97	100	0	P	H
		7386	38.78	-35.22	74	55.1	36.27	12.49	65.08	100	0	P	H
													H
													H
		4924	37.5	-36.5	74	60.79	31.29	10.39	64.97	100	0	P	V
		7386	38.71	-35.29	74	55.03	36.27	12.49	65.08	100	0	P	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 802.11g (Band Edge @ 3m)

WIFI Ant. 1+2+3	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)
802.11g CH 01 2412MHz		2369.22	62.76	-11.24	74	63.14	26.96	6.65	33.99	192	0	P	H
		2368.86	53.32	-0.68	54	53.7	26.96	6.65	33.99	192	0	A	H
	*	2412	108.17	-	-	108.38	27.06	6.71	33.98	192	0	P	H
	*	2412	100.69	-	-	100.9	27.06	6.71	33.98	192	0	A	H
		2496.76	54.23	-19.77	74	54.1	27.3	6.77	33.94	192	0	P	H
		2500	44.8	-9.2	54	44.67	27.3	6.77	33.94	192	0	A	H
		2367.24	57.72	-16.28	74	58.15	26.91	6.65	33.99	260	15	P	V
		2367.24	48.24	-5.76	54	48.67	26.91	6.65	33.99	260	15	A	V
	*	2410	103.91	-	-	104.12	27.06	6.71	33.98	260	15	P	V
	*	2410	96.25	-	-	96.46	27.06	6.71	33.98	260	15	A	V
		2486.16	52.96	-21.04	74	52.89	27.25	6.77	33.95	260	15	P	V
		2499.8	42.79	-11.21	54	42.66	27.3	6.77	33.94	260	15	A	V
802.11g CH 06 2437MHz		2389.11	61.43	-12.57	74	61.7	27.01	6.71	33.99	214	0	P	H
		2325.03	51.61	-2.39	54	52.21	26.82	6.58	34	214	0	A	H
	*	2438	107.13	-	-	107.2	27.16	6.74	33.97	214	0	P	H
	*	2438	99.6	-	-	99.67	27.16	6.74	33.97	214	0	A	H
		2483.52	57.74	-16.26	74	57.67	27.25	6.77	33.95	214	0	P	H
		2483.52	48.64	-5.36	54	48.57	27.25	6.77	33.95	214	0	A	H
		2387.49	56.66	-17.34	74	56.93	27.01	6.71	33.99	222	93	P	V
		2325.03	47.42	-6.58	54	48.02	26.82	6.58	34	222	93	A	V
	*	2436	103.8	-	-	103.92	27.11	6.74	33.97	222	93	P	V
	*	2436	96.5	-	-	96.62	27.11	6.74	33.97	222	93	A	V
		2484.8	57.09	-16.91	74	57.02	27.25	6.77	33.95	222	93	P	V
		2484.96	47.07	-6.93	54	47	27.25	6.77	33.95	222	93	A	V

802.11g CH 11 2462MHz		2324.94	57.4	-16.6	74	58	26.82	6.58	34	262	178	P	H
		2324.94	51.62	-2.38	54	52.22	26.82	6.58	34	262	178	A	H
	*	2462	107.26	-	-	107.25	27.2	6.77	33.96	262	178	P	H
	*	2460	100.14	-	-	100.16	27.2	6.74	33.96	262	178	A	H
		2499.52	57.51	-16.49	74	57.38	27.3	6.77	33.94	262	178	P	H
		2500	48.9	-5.1	54	48.77	27.3	6.77	33.94	262	178	A	H
		2324.85	53.83	-20.17	74	54.43	26.82	6.58	34	219	95	P	V
		2325.03	47.42	-6.58	54	48.02	26.82	6.58	34	219	95	A	V
	*	2462	102.76	-	-	102.75	27.2	6.77	33.96	219	95	P	V
	*	2462	95.43	-	-	95.42	27.2	6.77	33.96	219	95	A	V
		2499.88	56.37	-17.63	74	56.24	27.3	6.77	33.94	219	95	P	V
		2500	46.67	-7.33	54	46.54	27.3	6.77	33.94	219	95	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 1+2+3	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)
802.11g CH 01 2412MHz		4824	33.92	-40.08	74	57.29	31.12	10.58	65.07	100	0	P	H
													H
													H
													H
		4824	34.4	-39.6	74	57.77	31.12	10.58	65.07	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	35.55	-38.45	74	58.88	31.21	10.48	65.02	100	0	P	H
		7311	37.64	-36.36	74	54.34	36.08	12.28	65.06	100	0	P	H
													H
													H
		4874	34.78	-39.22	74	58.11	31.21	10.48	65.02	100	0	P	V
		7311	37.97	-36.03	74	54.67	36.08	12.28	65.06	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	34.49	-39.51	74	57.78	31.29	10.39	64.97	100	0	P	H
		7386	38.83	-35.17	74	55.15	36.27	12.49	65.08	100	0	P	H
													H
													H
		4924	35.09	-38.91	74	58.38	31.29	10.39	64.97	100	0	P	V
		7386	37.77	-36.23	74	54.09	36.27	12.49	65.08	100	0	P	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2+3	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)
		2372.46	63.48	-10.52	74	63.86	26.96	6.65	33.99	224	203	P	H
		2365.98	52.99	-1.01	54	53.42	26.91	6.65	33.99	224	203	A	H
	*	2410	108.06	-	-	108.27	27.06	6.71	33.98	224	203	P	H
	*	2410	100.37	-	-	100.58	27.06	6.71	33.98	224	203	A	H
802.11n													H
HT20													H
CH 01		2366.79	57.2	-16.8	74	57.63	26.91	6.65	33.99	258	11	P	V
2412MHz		2366.25	47.13	-6.87	54	47.56	26.91	6.65	33.99	258	11	A	V
	*	2410	102.69	-	-	102.9	27.06	6.71	33.98	258	11	P	V
	*	2410	95.06	-	-	95.27	27.06	6.71	33.98	258	11	A	V
													V
													V
		2389.2	61.19	-12.81	74	61.46	27.01	6.71	33.99	218	0	P	H
		2390	51.95	-2.05	54	52.21	27.01	6.71	33.98	218	0	A	H
	*	2437	106.78	-	-	106.85	27.16	6.74	33.97	218	0	P	H
	*	2437	99.34	-	-	99.41	27.16	6.74	33.97	218	0	A	H
802.11n		2488.4	57.37	-16.63	74	57.25	27.3	6.77	33.95	218	0	P	H
HT20		2487.24	46.68	-7.32	54	46.61	27.25	6.77	33.95	218	0	A	H
CH 06		2385.69	55.58	-18.42	74	55.85	27.01	6.71	33.99	209	94	P	V
2437MHz		2325.03	46.58	-7.42	54	47.18	26.82	6.58	34	209	94	A	V
	*	2437	103.74	-	-	103.81	27.16	6.74	33.97	209	94	P	V
	*	2437	96.08	-	-	96.15	27.16	6.74	33.97	209	94	A	V
		2484.08	58.77	-15.23	74	58.7	27.25	6.77	33.95	209	94	P	V
		2483.52	47.32	-6.68	54	47.25	27.25	6.77	33.95	209	94	A	V

802.11n HT20 CH 11 2462MHz		2324.76	56.41	-17.59	74	57.01	26.82	6.58	34	263	178	P	H
		2325.03	51.01	-2.99	54	51.61	26.82	6.58	34	263	178	A	H
	*	2464	107.24	-	-	107.23	27.2	6.77	33.96	263	178	P	H
	*	2464	99.56	-	-	99.55	27.2	6.77	33.96	263	178	A	H
		2499.12	58.2	-15.8	74	58.07	27.3	6.77	33.94	263	178	P	H
		2499.96	48.75	-5.25	54	48.62	27.3	6.77	33.94	263	178	A	H
		2325.12	53.31	-20.69	74	53.91	26.82	6.58	34	213	94	P	V
		2325.03	47.34	-6.66	54	47.94	26.82	6.58	34	213	94	A	V
	*	2460	104.51	-	-	104.53	27.2	6.74	33.96	213	94	P	V
	*	2460	97.01	-	-	97.03	27.2	6.74	33.96	213	94	A	V
		2498.12	56.87	-17.13	74	56.74	27.3	6.77	33.94	213	94	P	V
		2499.96	46.03	-7.97	54	45.9	27.3	6.77	33.94	213	94	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2+3	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	33.32	-40.68	74	56.69	31.12	10.58	65.07	100	0	P	H
													H
802.11n													H
HT20													H
CH 01		4824	33.51	-40.49	74	56.88	31.12	10.58	65.07	100	0	P	V
2412MHz													V
													V
													V
		4874	34.2	-39.8	74	57.53	31.21	10.48	65.02	100	0	P	H
		7311	37.49	-36.51	74	54.19	36.08	12.28	65.06	100	0	P	H
802.11n													H
HT20													H
CH 06		4874	34.4	-39.6	74	57.73	31.21	10.48	65.02	100	0	P	V
2437MHz		7311	38.05	-35.95	74	54.75	36.08	12.28	65.06	100	0	P	V
													V
													V
		4924	34.45	-39.55	74	57.74	31.29	10.39	64.97	100	0	P	H
		7386	38.13	-35.87	74	54.45	36.27	12.49	65.08	100	0	P	H
802.11n													H
HT20													H
CH 11		4924	33.77	-40.23	74	57.06	31.29	10.39	64.97	100	0	P	V
2462MHz		7386	38.25	-35.75	74	54.57	36.27	12.49	65.08	100	0	P	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2+3	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)
		2385.15	60.34	-13.66	74	60.66	26.96	6.71	33.99	271	179	P	H
		2325.03	51.23	-2.77	54	51.83	26.82	6.58	34	271	179	A	H
	*	2422	107.54	-	-	107.66	27.11	6.74	33.97	271	179	P	H
	*	2422	100.12	-	-	100.24	27.11	6.74	33.97	271	179	A	H
802.11n		2483.88	54.14	-19.86	74	54.07	27.25	6.77	33.95	271	179	P	H
HT40		2500	44.6	-9.4	54	44.47	27.3	6.77	33.94	271	179	A	H
CH 03		2386.32	56.36	-17.64	74	56.63	27.01	6.71	33.99	172	81	P	V
2422MHz		2325.03	46.62	-7.38	54	47.22	26.82	6.58	34	172	81	A	V
	*	2424	103.56	-	-	103.68	27.11	6.74	33.97	172	81	P	V
	*	2424	96.14	-	-	96.26	27.11	6.74	33.97	172	81	A	V
		2487.52	53.27	-20.73	74	53.15	27.3	6.77	33.95	172	81	P	V
		2499.96	44.31	-9.69	54	44.18	27.3	6.77	33.94	172	81	A	V
		2389.02	58.24	-15.76	74	58.51	27.01	6.71	33.99	273	178	P	H
		2325.03	51.58	-2.42	54	52.18	26.82	6.58	34	273	178	A	H
	*	2437	108.78	-	-	108.85	27.16	6.74	33.97	273	178	P	H
	*	2437	100.35	-	-	100.42	27.16	6.74	33.97	273	178	A	H
802.11n		2483.88	56.72	-17.28	74	56.65	27.25	6.77	33.95	273	178	P	H
HT40		2486.84	46.12	-7.88	54	46.05	27.25	6.77	33.95	273	178	A	H
CH 06		2389.2	55.05	-18.95	74	55.32	27.01	6.71	33.99	197	96	P	V
2437MHz		2325.03	46.66	-7.34	54	47.26	26.82	6.58	34	197	96	A	V
	*	2437	102.93	-	-	103	27.16	6.74	33.97	197	96	P	V
	*	2437	95.18	-	-	95.25	27.16	6.74	33.97	197	96	A	V
		2487.2	56.05	-17.95	74	55.98	27.25	6.77	33.95	197	96	P	V
		2486.76	44.44	-9.56	54	44.37	27.25	6.77	33.95	197	96	A	V

		2324.67	56.64	-17.36	74	57.24	26.82	6.58	34	262	178	P	H
		2325.03	50.87	-3.13	54	51.47	26.82	6.58	34	262	178	A	H
	*	2452	105.7	-	-	105.76	27.16	6.74	33.96	262	178	P	H
	*	2452	98.07	-	-	98.13	27.16	6.74	33.96	262	178	A	H
802.11n		2486.04	58.76	-15.24	74	58.69	27.25	6.77	33.95	262	178	P	H
HT40		2487.16	47.61	-6.39	54	47.54	27.25	6.77	33.95	262	178	A	H
CH 09		2376.87	53.14	-20.86	74	53.52	26.96	6.65	33.99	187	96	P	V
2452MHz		2324.94	45.73	-8.27	54	46.33	26.82	6.58	34	187	96	A	V
	*	2452	101.99	-	-	102.05	27.16	6.74	33.96	187	96	P	V
	*	2452	94.6	-	-	94.66	27.16	6.74	33.96	187	96	A	V
		2493.28	56.87	-17.13	74	56.74	27.3	6.77	33.94	187	96	P	V
		2483.52	45.84	-8.16	54	45.77	27.25	6.77	33.95	187	96	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2+3	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)
		4844	33.59	-40.41	74	56.92	31.15	10.58	65.06	100	0	P	H
		7266	37.26	-36.74	74	54.14	36.01	12.17	65.06	100	0	P	H
802.11n													H
HT40													H
CH 03		4844	33.72	-40.28	74	57.05	31.15	10.58	65.06	100	0	P	V
2422MHz		7266	37.68	-36.32	74	54.56	36.01	12.17	65.06	100	0	P	V
													V
													V
		4874	34.02	-39.98	74	57.35	31.21	10.48	65.02	100	0	P	H
		7311	37.49	-36.51	74	54.19	36.08	12.28	65.06	100	0	P	H
802.11n													H
HT40													H
CH 06		4874	34.09	-39.91	74	57.42	31.21	10.48	65.02	100	0	P	V
2437MHz		7311	37.59	-36.41	74	54.29	36.08	12.28	65.06	100	0	P	V
													V
													V
		4904	34.13	-39.87	74	57.47	31.26	10.39	64.99	100	0	P	H
		7356	38.74	-35.26	74	55.23	36.2	12.38	65.07	100	0	P	H
802.11n													H
HT40													H
CH 09		4904	33.89	-40.11	74	57.23	31.26	10.39	64.99	100	0	P	V
2452MHz		7356	38.9	-35.1	74	55.39	36.2	12.38	65.07	100	0	P	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

Emission below 1GHz

2.4GHz WIFI 802.11b (LF)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11b LF		71.58	34.24	-5.76	40	52.22	12.64	1.17	31.79	137	93	P	H
		136.65	31.52	-11.98	43.5	43.89	17.93	1.48	31.78	-	-	P	H
		219	34.54	-11.46	46	48.38	16.2	1.74	31.78	-	-	P	H
		325.27	26.97	-19.03	46	36.11	20.4	2.23	31.77	-	-	P	H
		650.48	33.22	-12.78	46	35.69	26.21	3.36	32.04	-	-	P	H
		974.8	37.78	-16.22	54	34.18	30.55	3.89	30.84	-	-	P	H
													H
													H
													H
													H
													H
													H
		40.8	36.49	-3.51	40	47.64	19.74	0.93	31.82	100	52	P	V
		84	36.02	-3.98	40	52.46	14.18	1.17	31.79	-	-	P	V
		219.27	27.33	-18.67	46	41.17	16.2	1.74	31.78	-	-	P	V
		519.1	25.1	-20.9	46	29.71	24.36	2.95	31.92	-	-	P	V
		776.7	30.07	-15.93	46	30.38	28.02	3.62	31.95	-	-	P	V
		969.9	33.9	-20.1	54	30.33	30.56	3.89	30.88	-	-	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

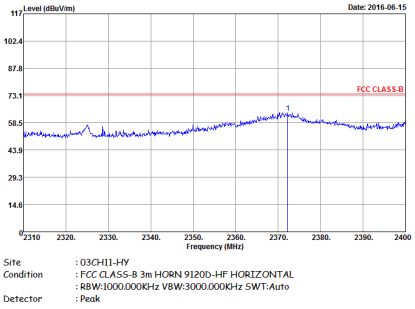
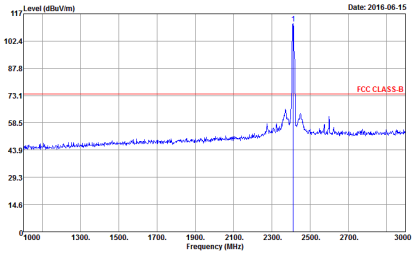
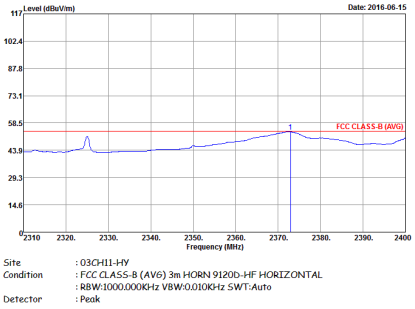
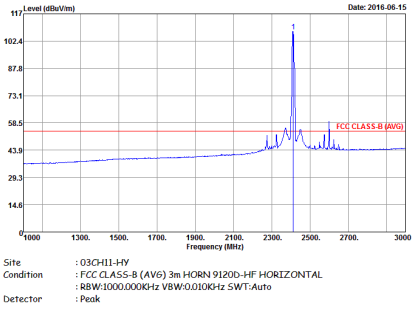
Test Engineer :	J.C. Liang and Ken Wu	**Temperature :**	20~23°C
		Relative Humidity :	50~55%

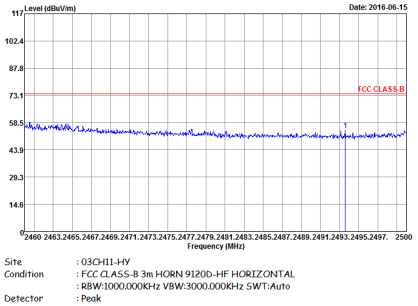
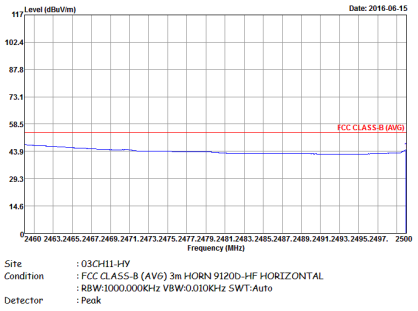
Note symbol

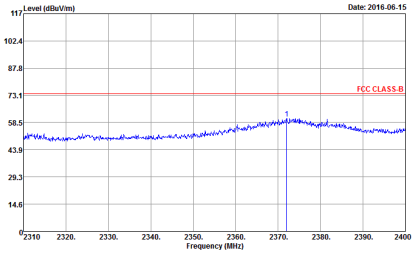
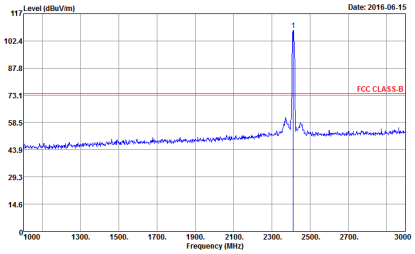
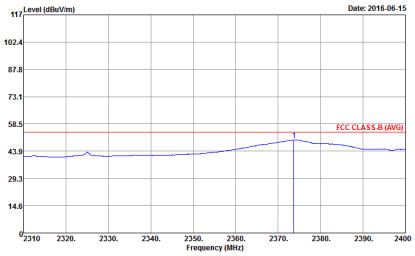
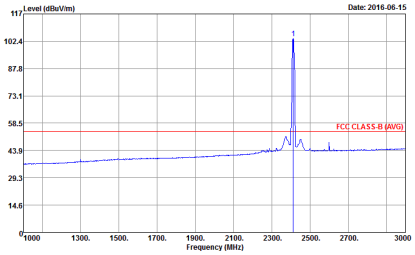
-L	**Low channel location**
-R	**High channel location**

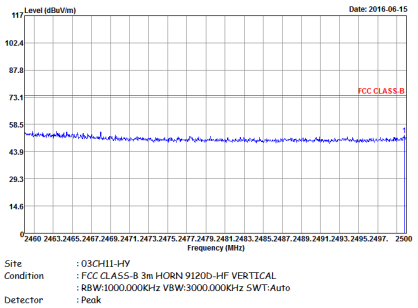
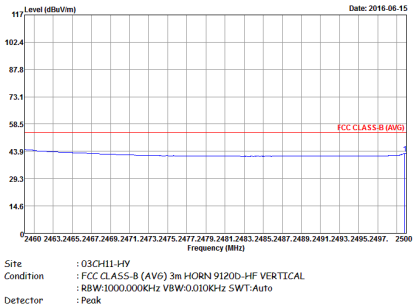
2.4GHz 2400~2483.5MHz

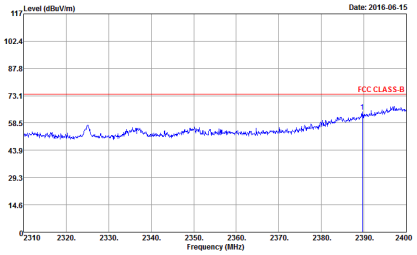
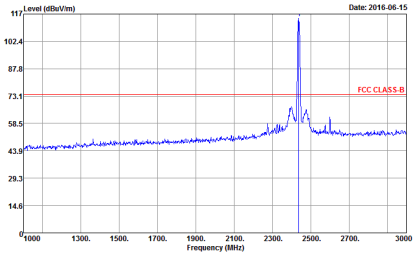
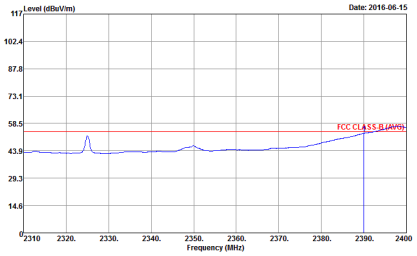
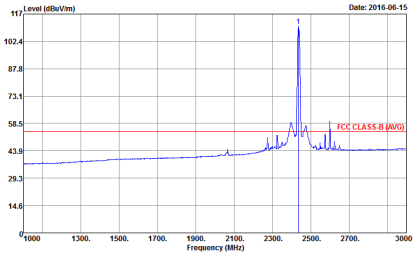
WIFI 802.11b (Band Edge @ 3m)

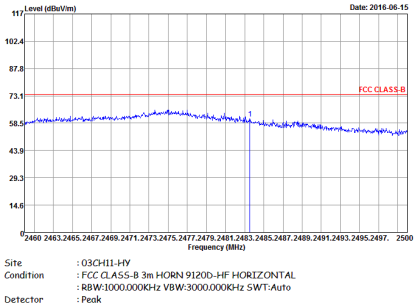
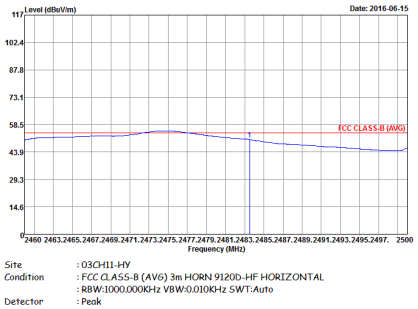
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

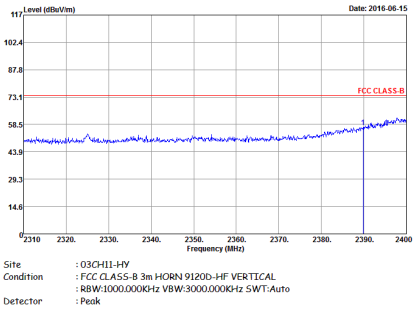
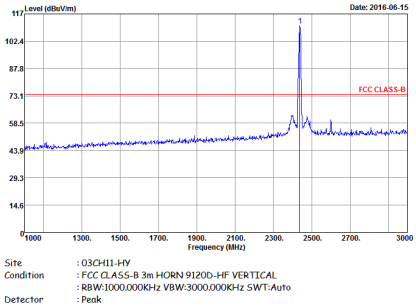
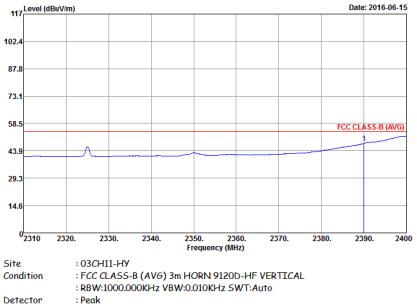
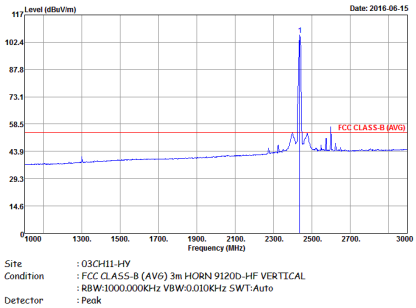
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

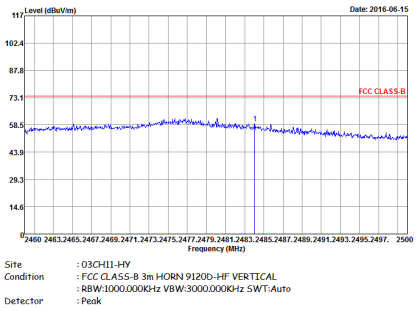
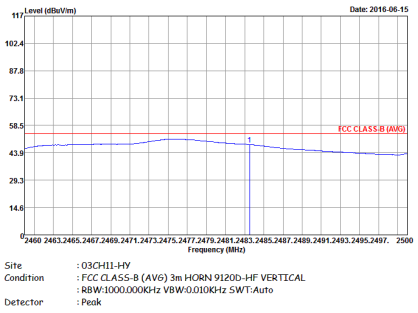
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz - L	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

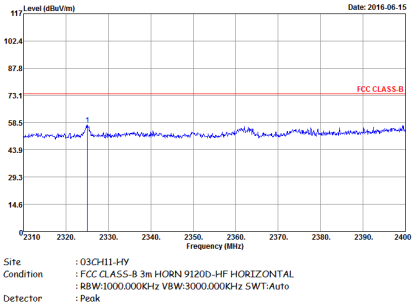
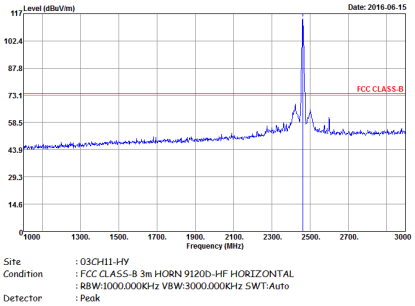
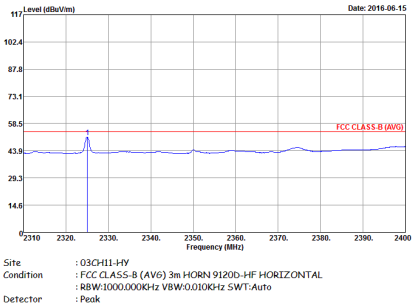
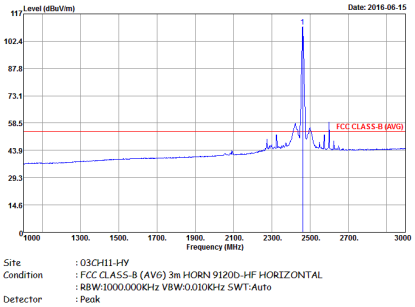
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz - R	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	
Avg.	 Site : 03CH11-HV Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	

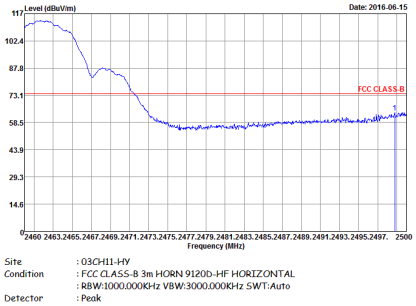
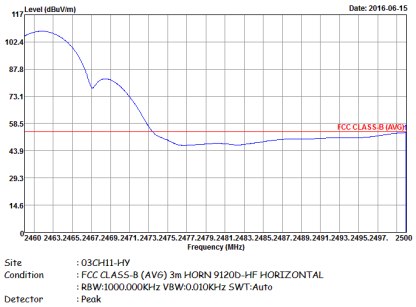
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

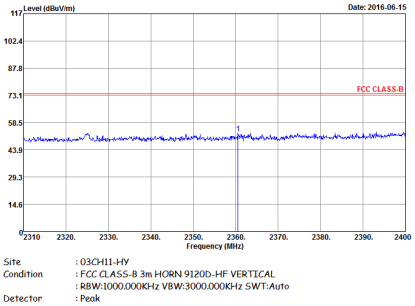
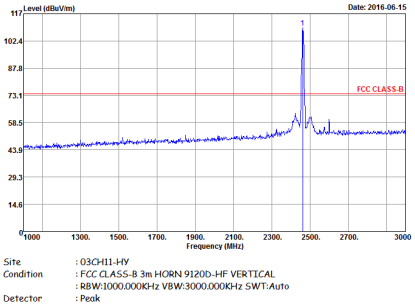
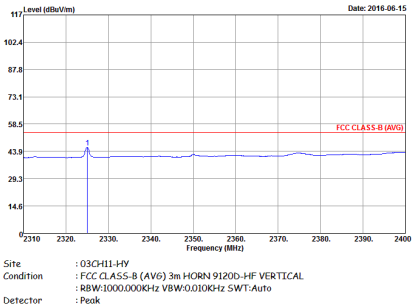
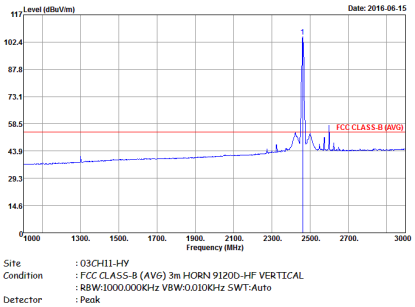
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

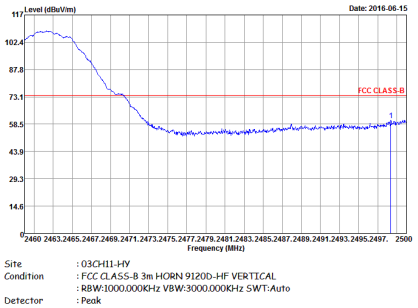
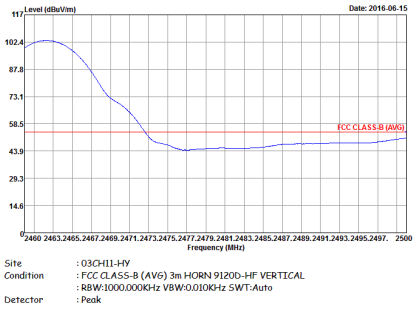
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

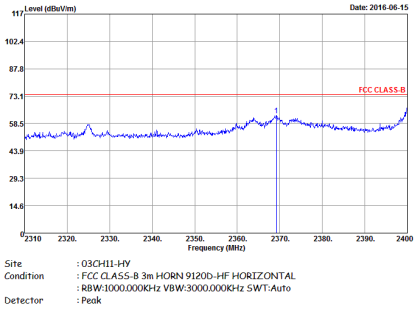
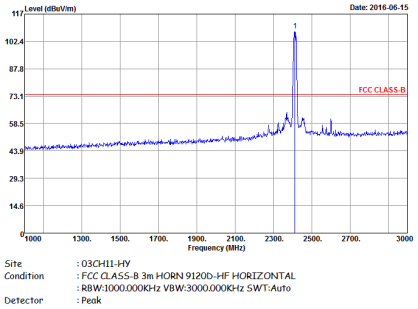
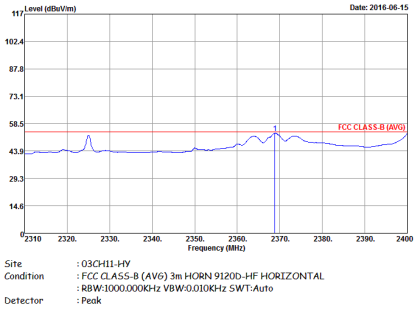
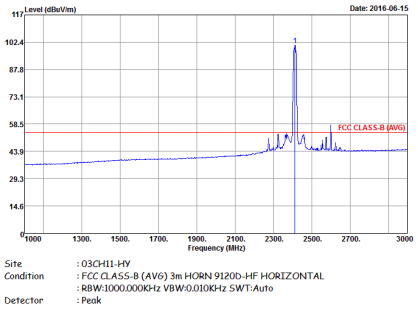
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

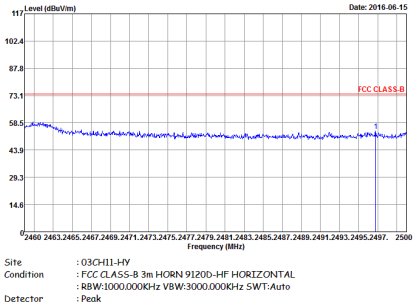
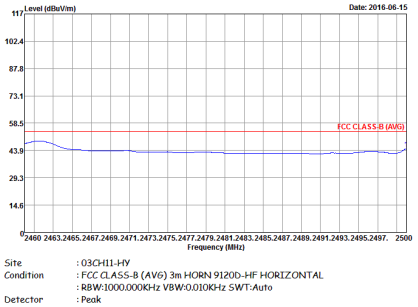
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

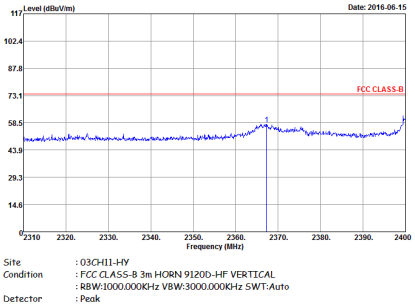
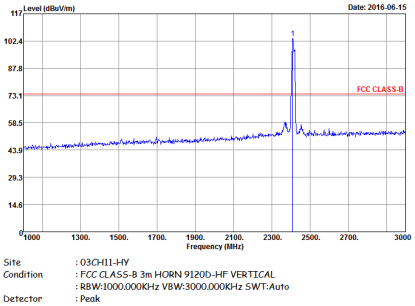
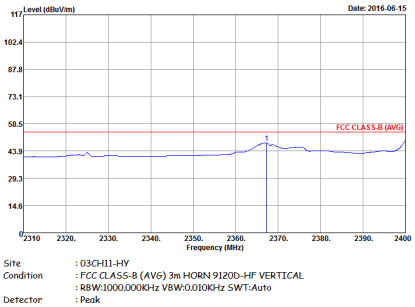
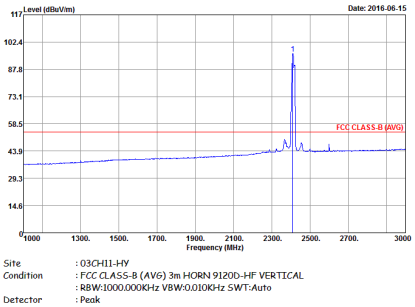
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz - R	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

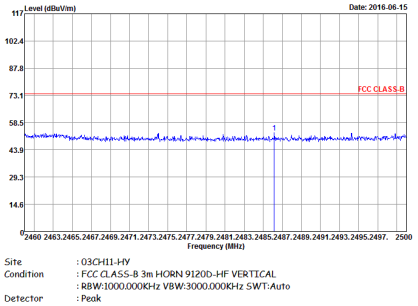
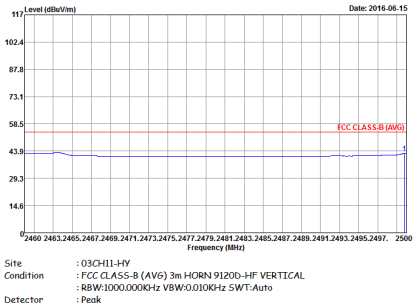
2.4GHz 2400~2483.5MHz

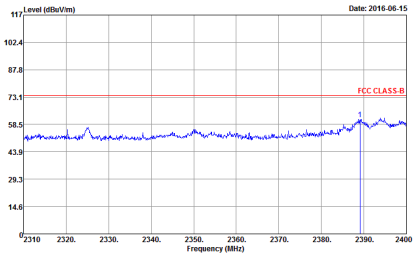
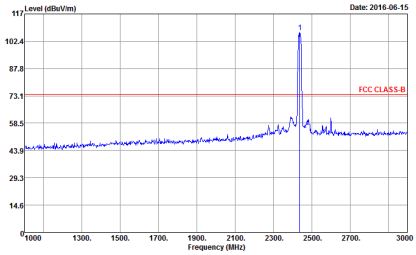
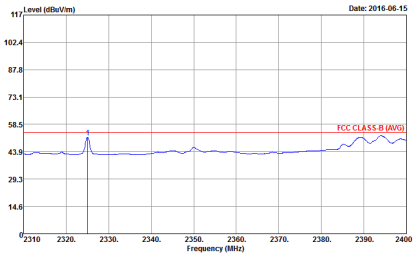
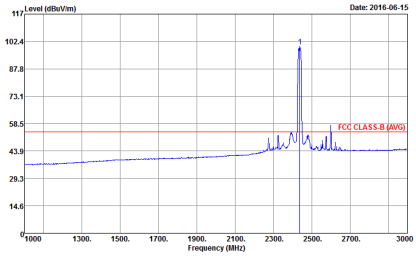
WIFI 802.11g (Band Edge @ 3m)

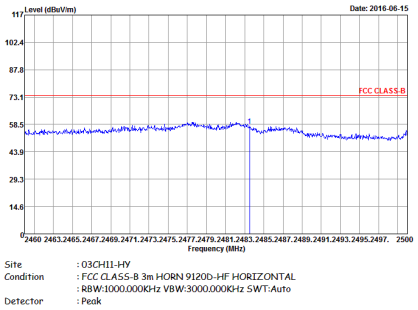
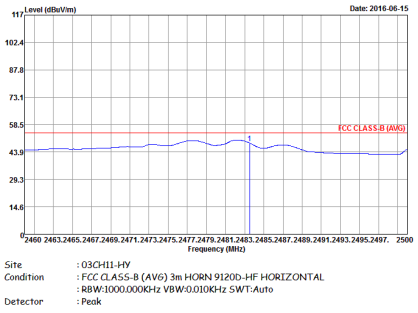
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

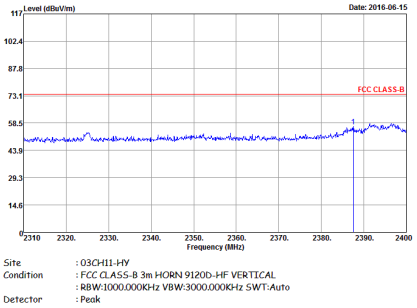
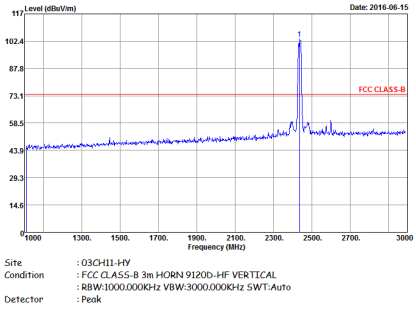
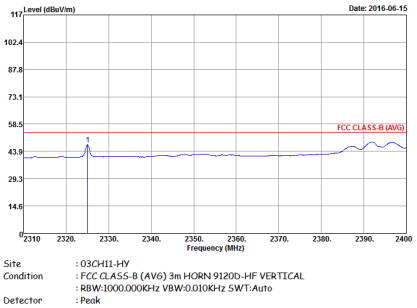
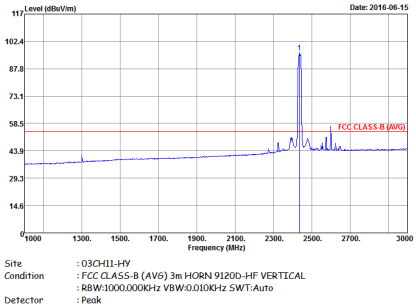
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

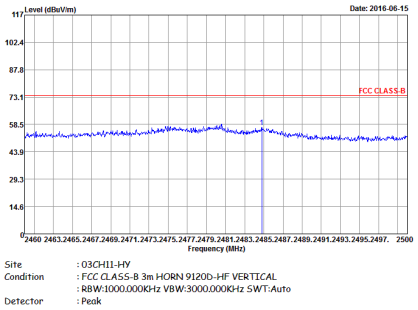
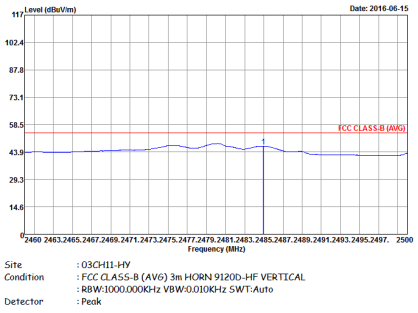
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

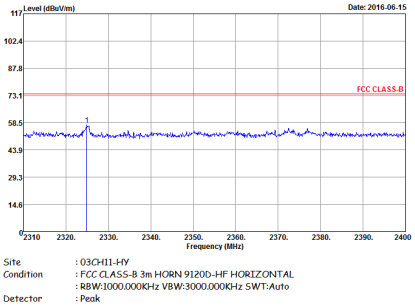
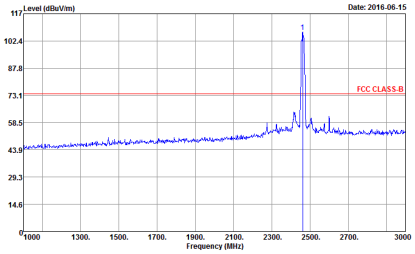
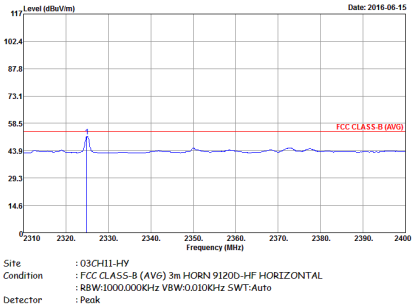
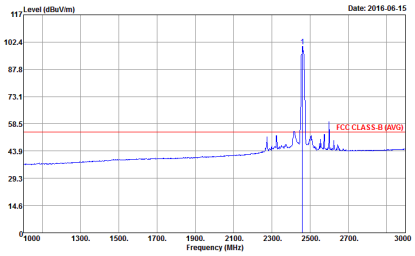
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz - R	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

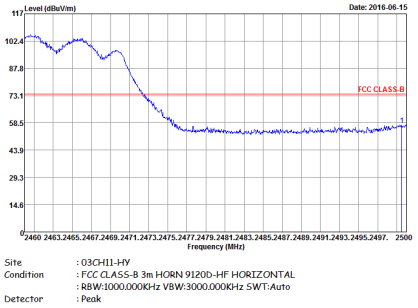
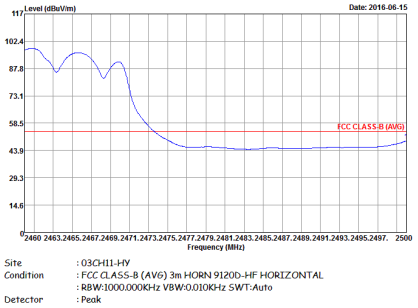
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

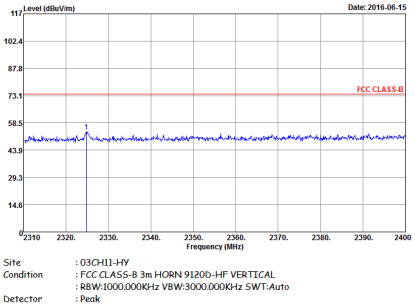
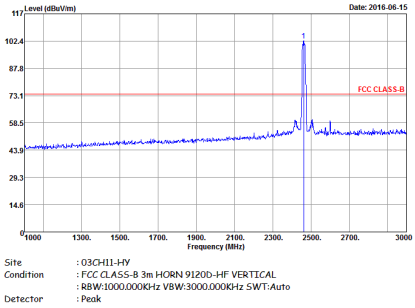
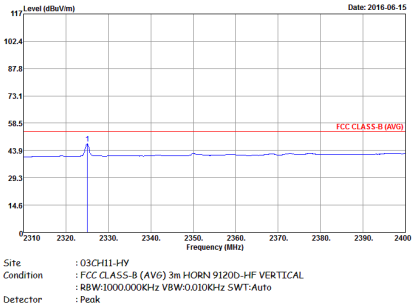
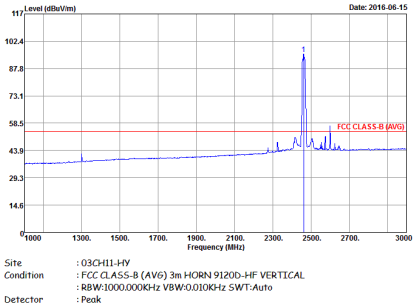
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

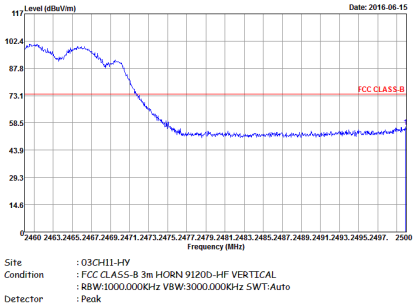
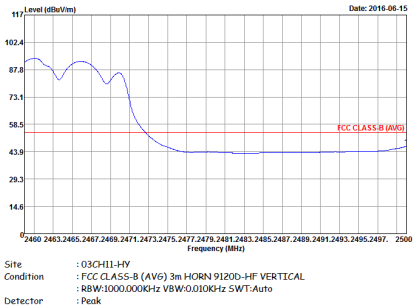
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

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

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

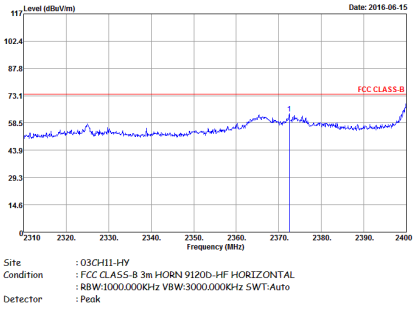
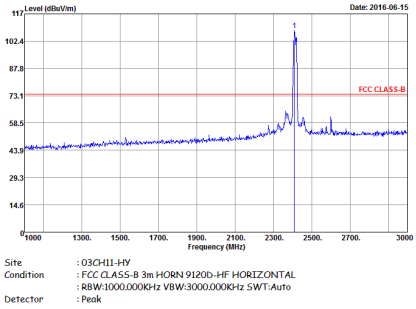
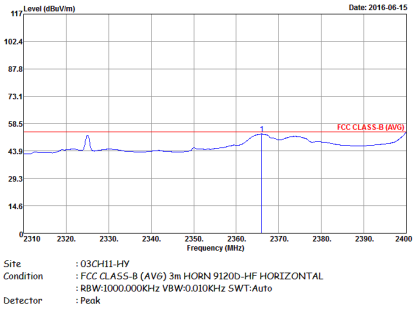
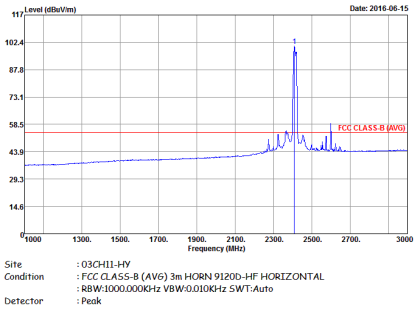
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

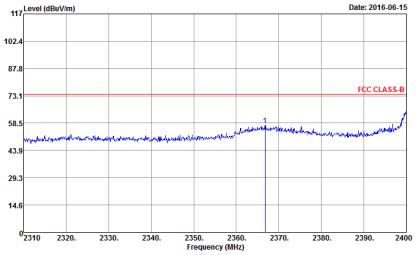
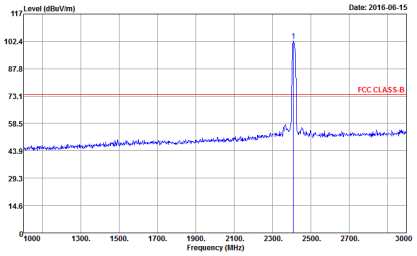
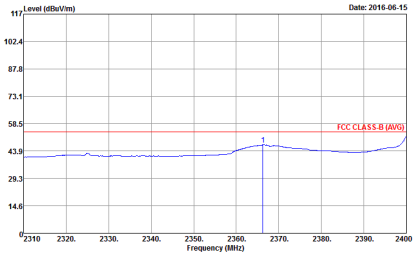
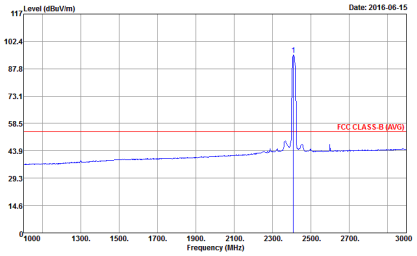
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz - L	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

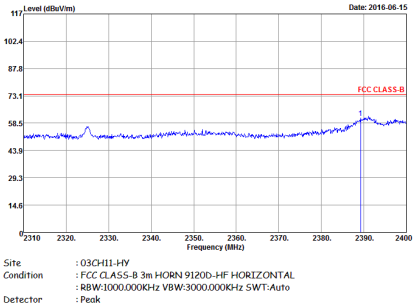
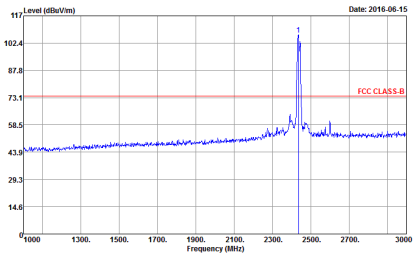
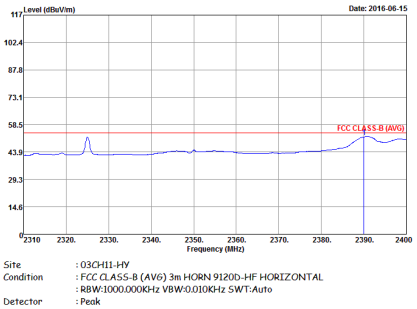
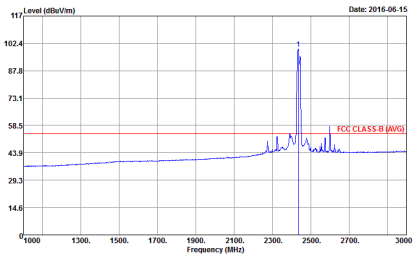
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz - R	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

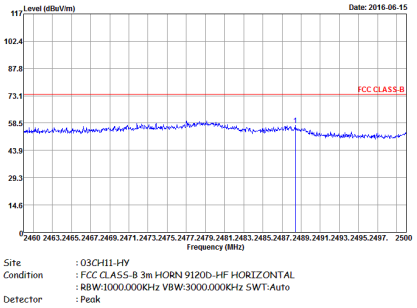
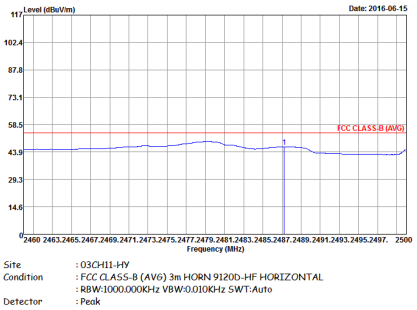
2.4GHz 2400~2483.5MHz

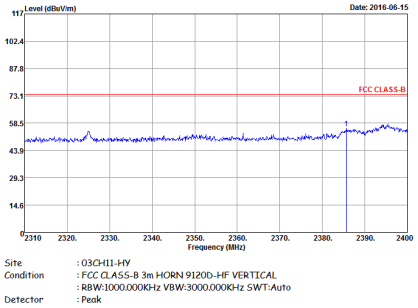
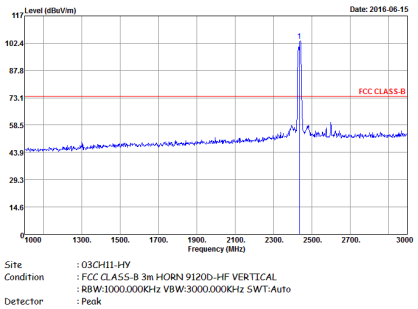
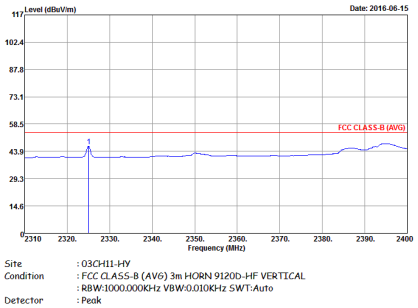
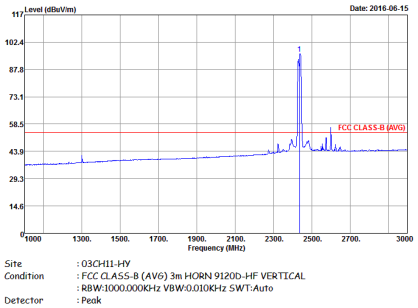
WIFI 802.11n HT20 (Band Edge @ 3m)

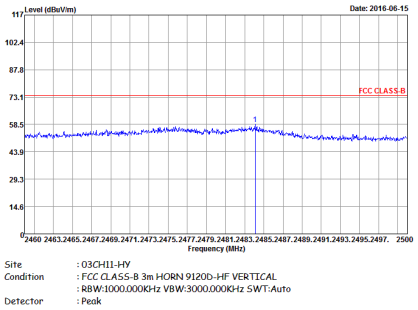
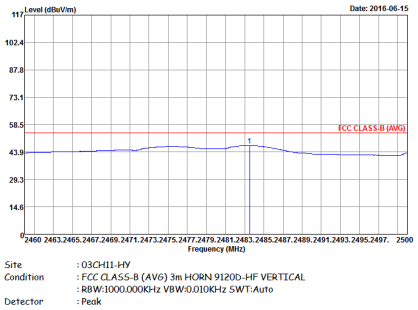
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

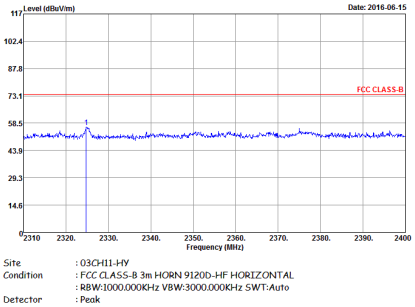
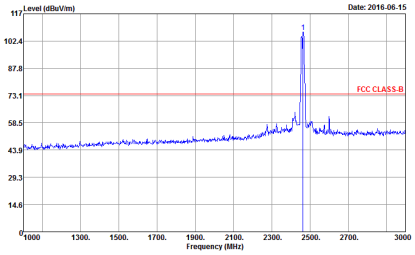
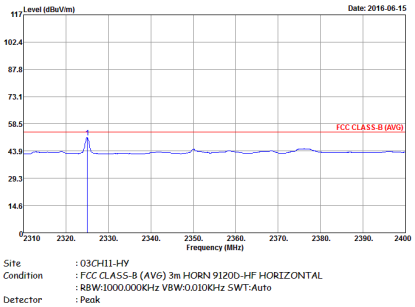
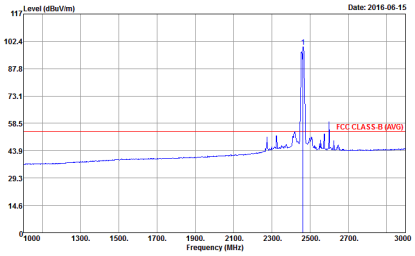
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

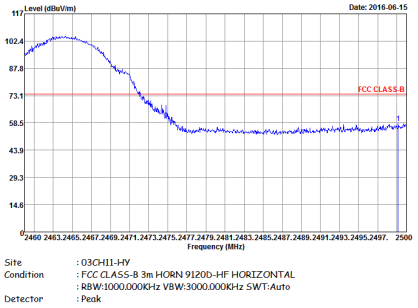
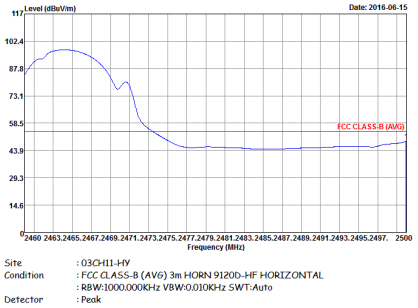
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

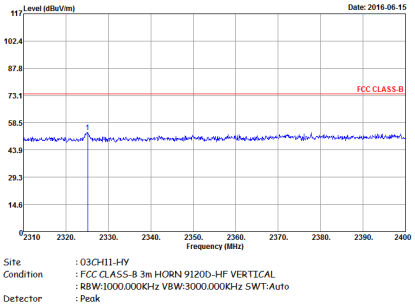
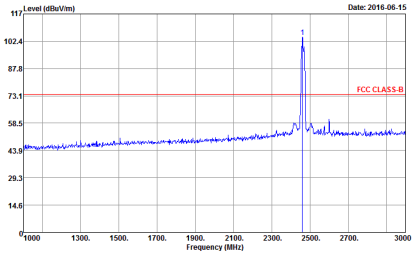
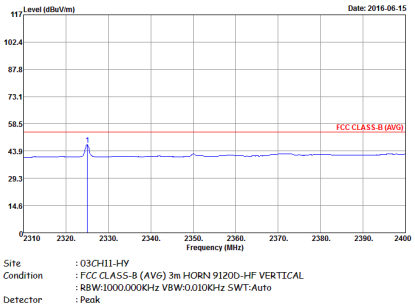
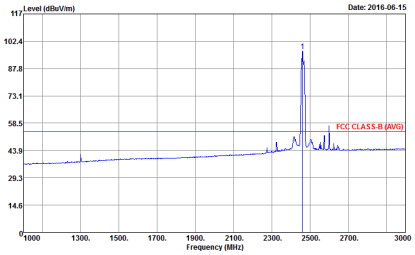
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

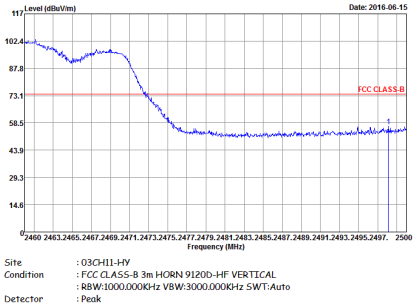
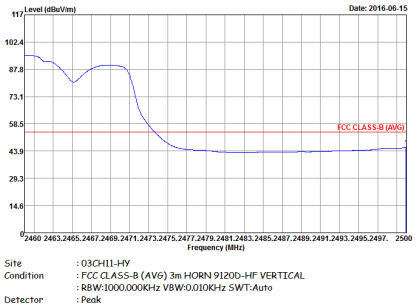
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz - L	
1+2+3	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

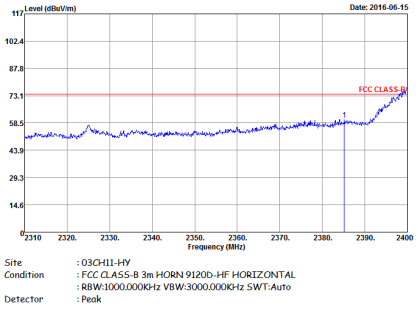
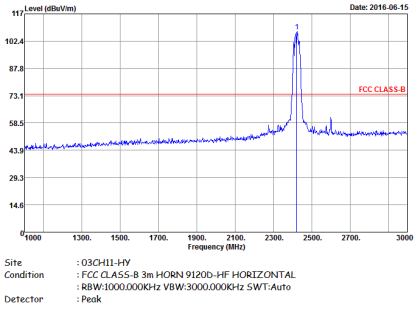
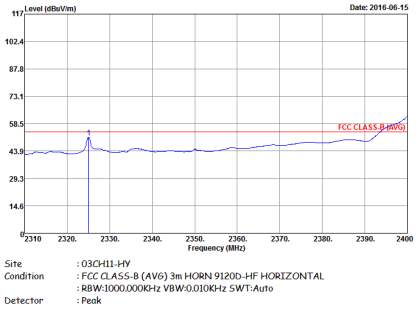
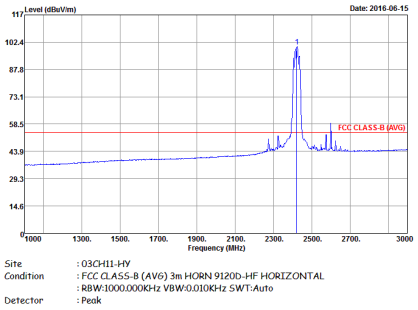
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

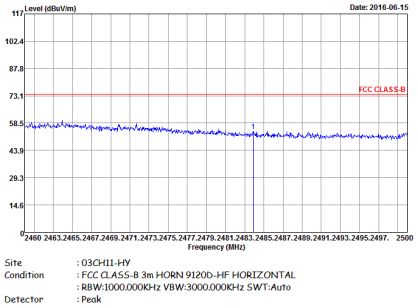
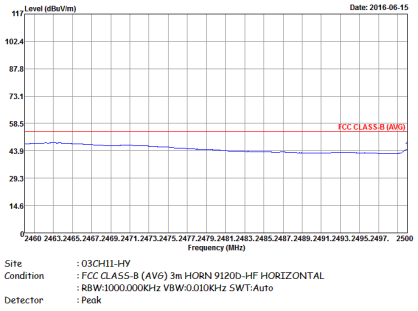
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz - L	
1+2+3	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak	 Site : 03CH11-HY Condition : FCC CLASS-B (AVG) 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak

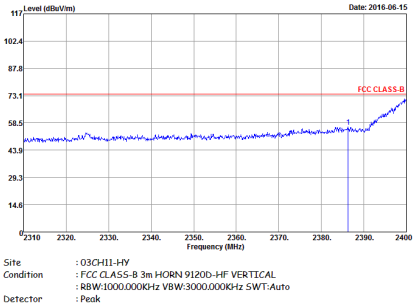
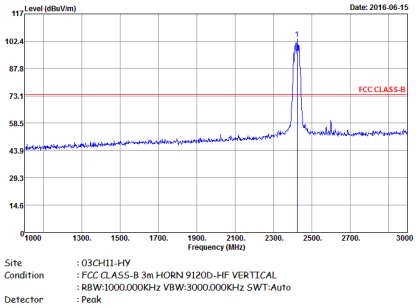
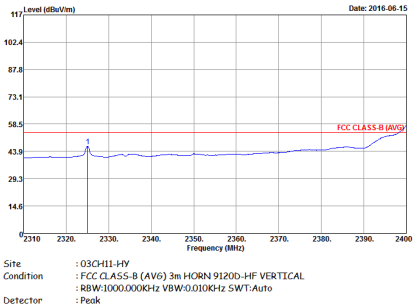
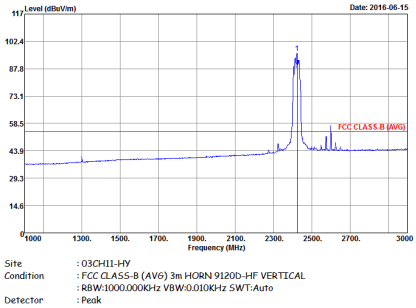
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz - R	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

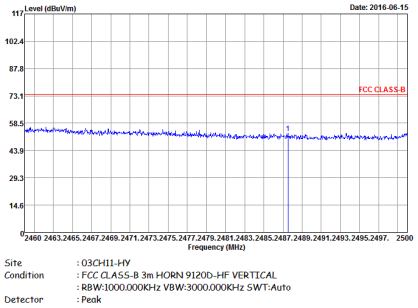
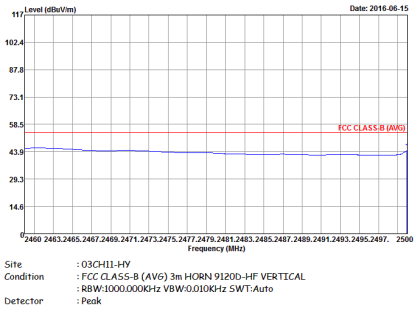
2.4GHz 2400~2483.5MHz

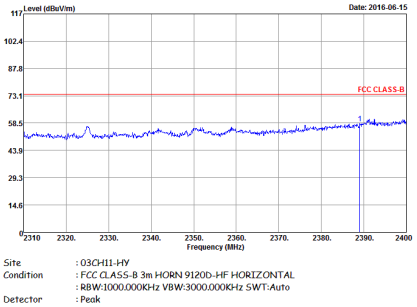
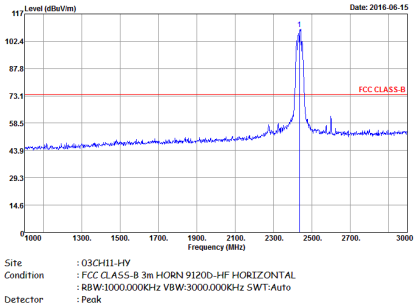
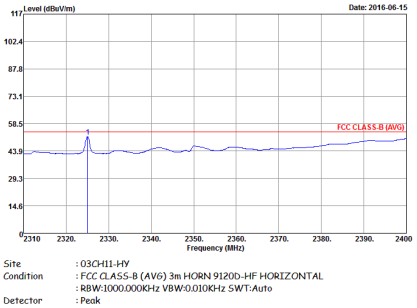
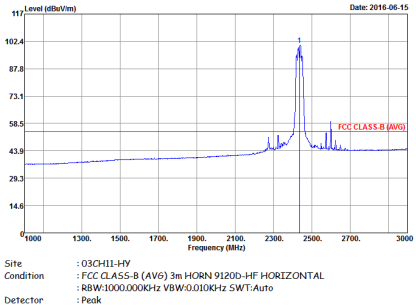
WIFI 802.11n HT40 (Band Edge @ 3m)

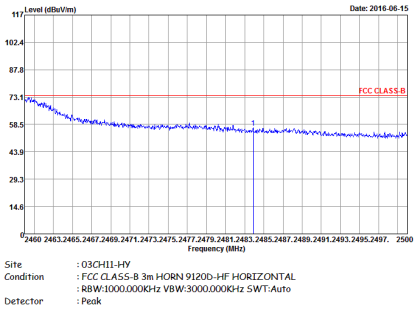
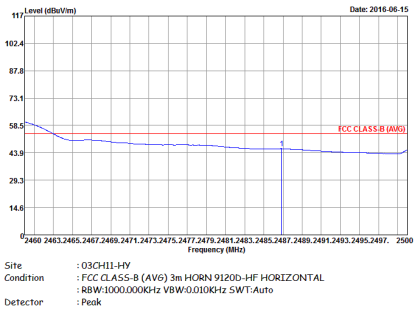
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

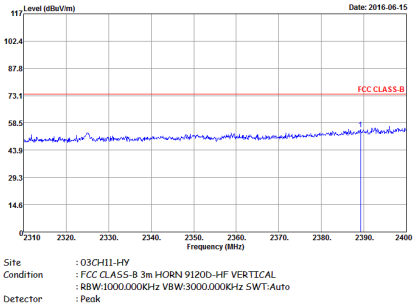
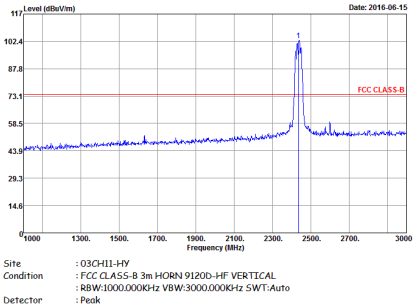
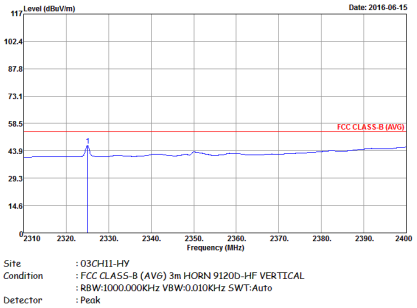
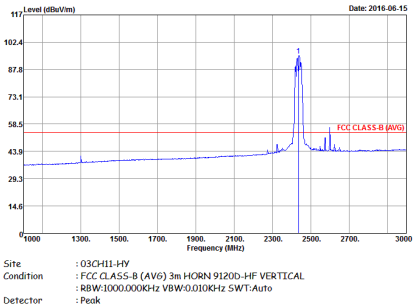
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

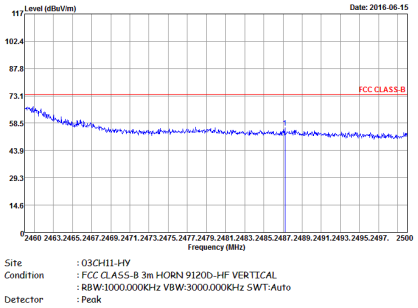
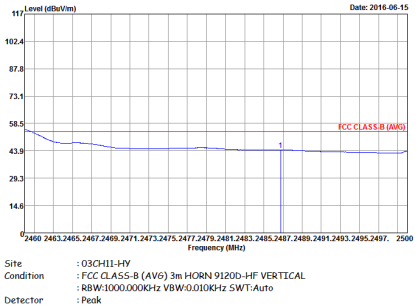
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

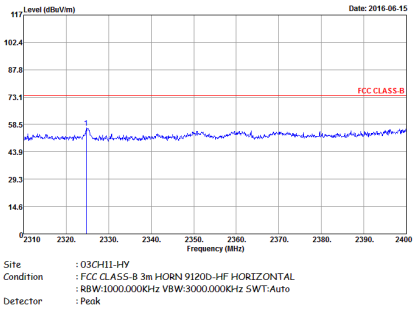
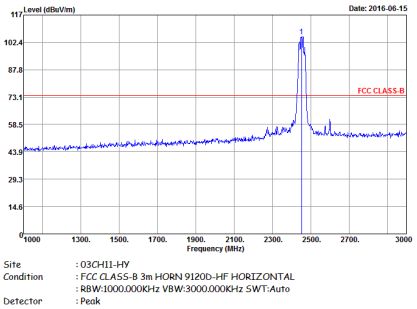
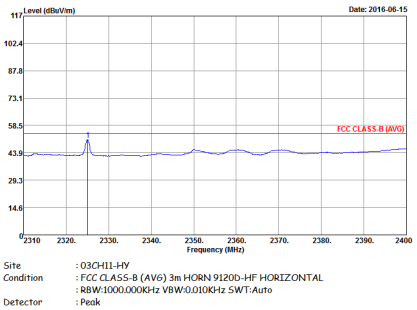
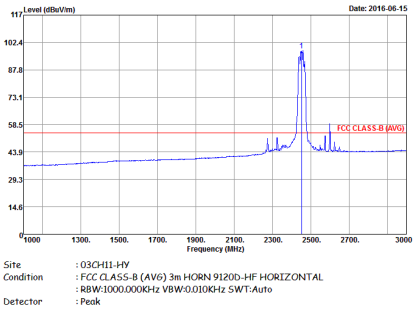
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

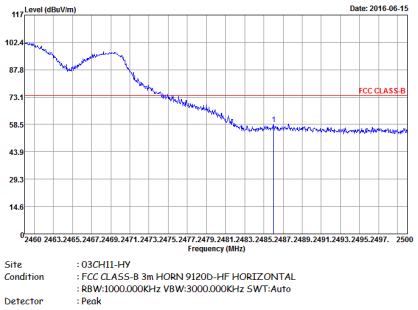
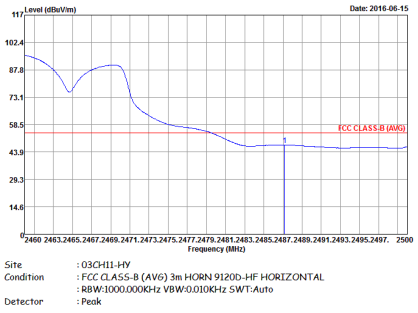
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

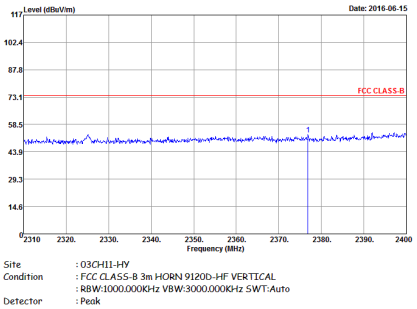
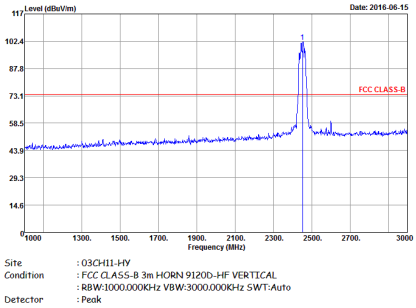
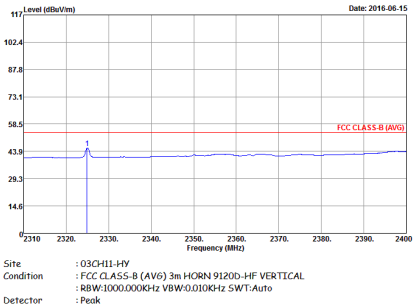
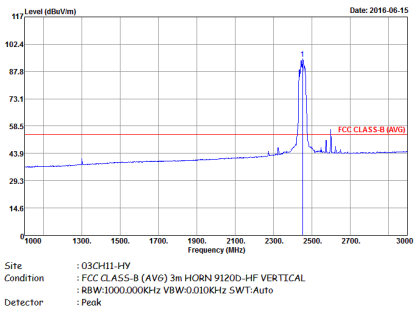
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

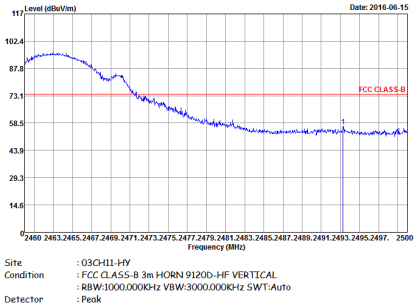
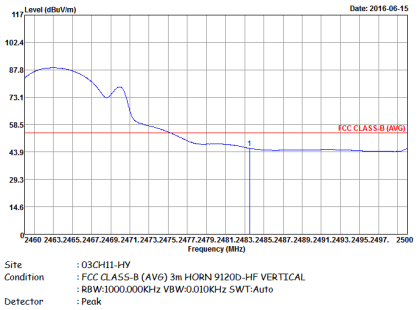
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

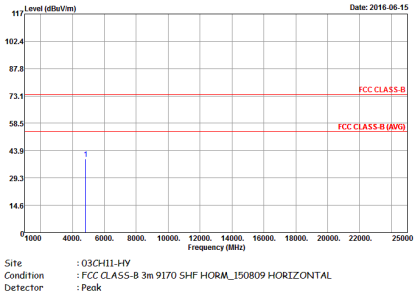
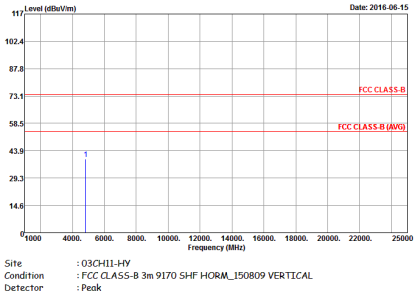
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1+2+3	Horizontal	Fundamental
Peak		
Avg.		

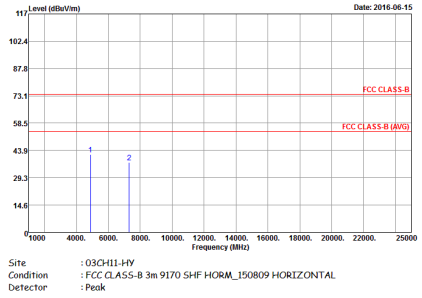
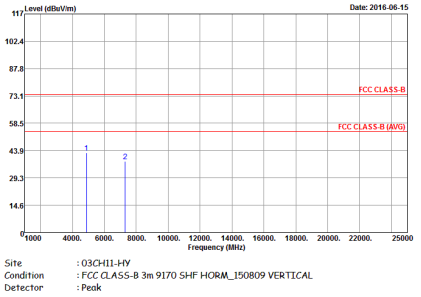
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

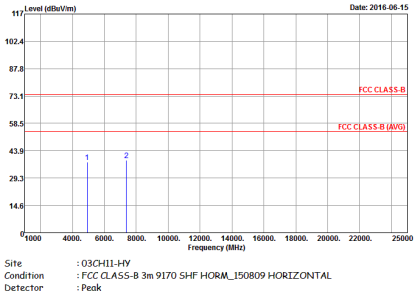
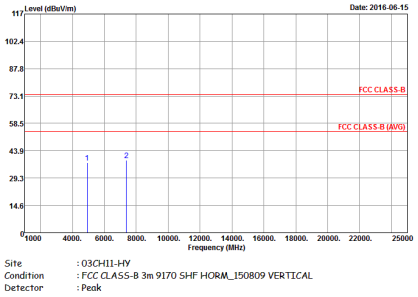
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1+2+3	Vertical	Fundamental
Peak		
Avg.		

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

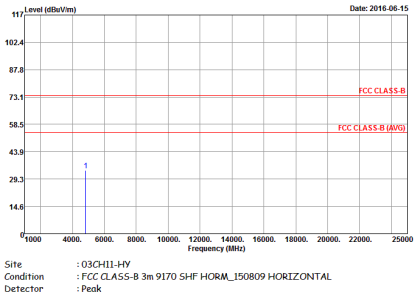
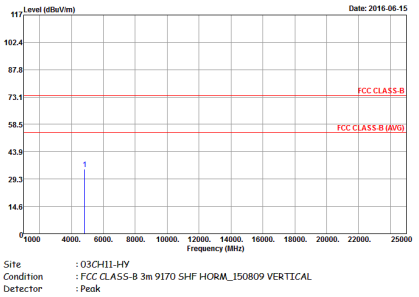
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

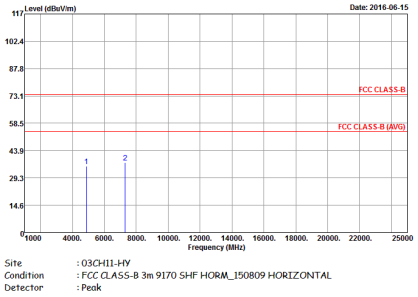
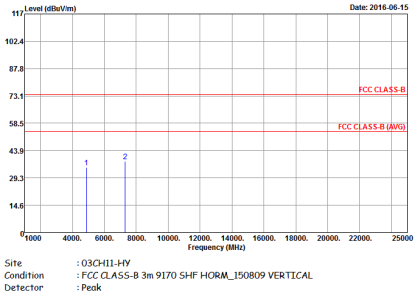
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

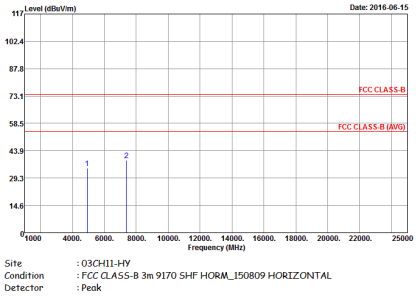
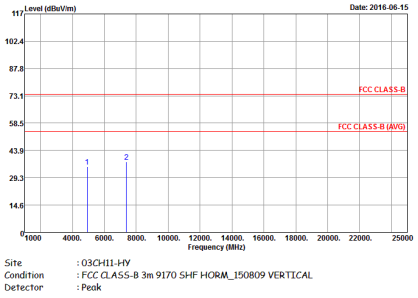
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

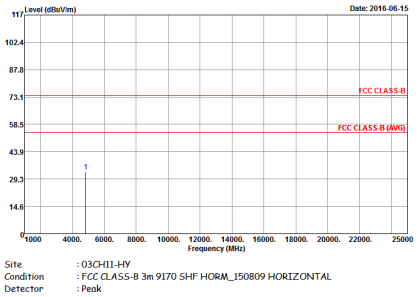
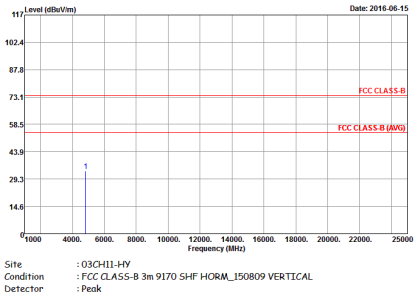
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

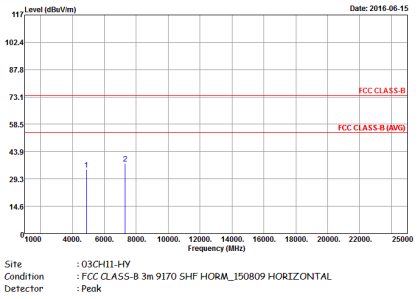
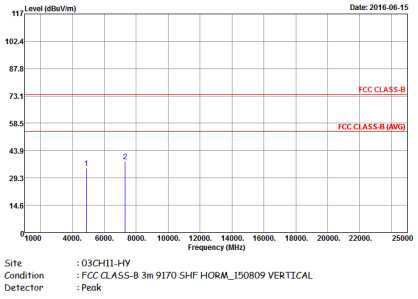
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

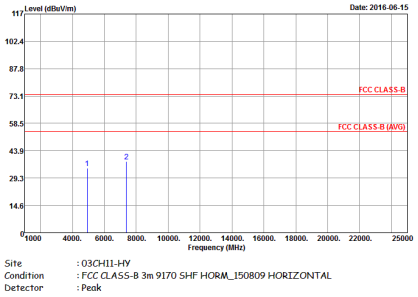
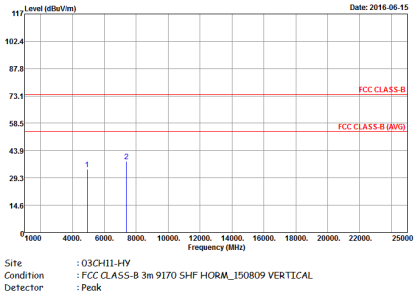
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

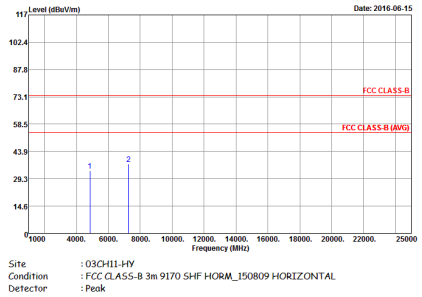
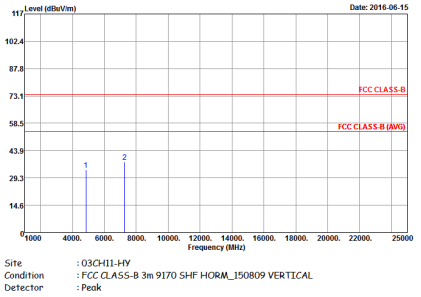
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

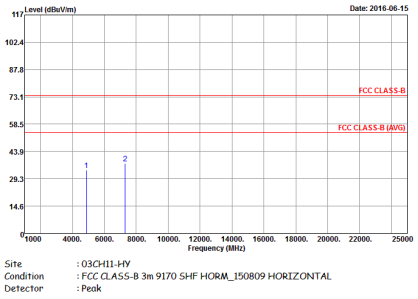
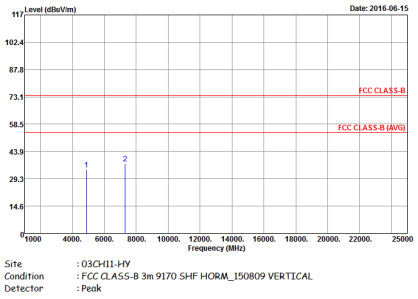
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

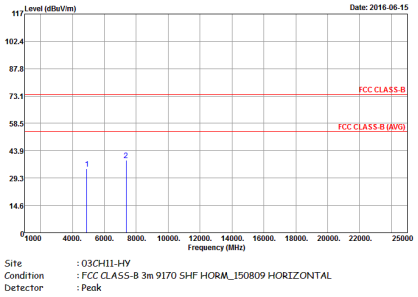
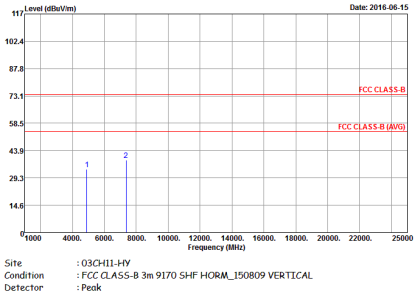
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

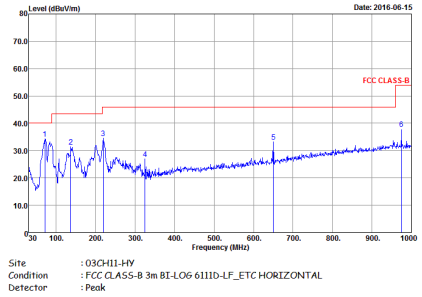
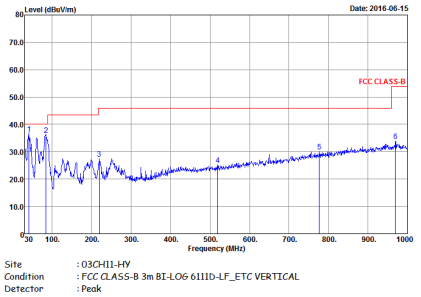
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH03 2422MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH06 2437MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH09 2452MHz	
1+2+3	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

2.4GHz WIFI 802.11b (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11b LF	
1+2+3	Horizontal	Vertical
QP / Peak		

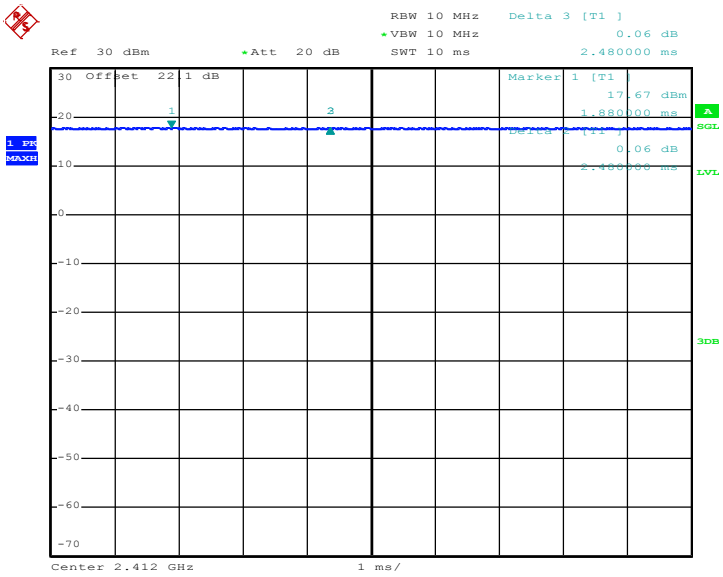
Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
MIMO Ant. 1	802.11b	100	-	-	10Hz
MIMO Ant. 2	802.11b	100	-	-	10Hz
MIMO Ant. 3	802.11b	100	-	-	10Hz
MIMO Ant. 1	802.11g	100	-	-	10Hz
MIMO Ant. 2	802.11g	100	-	-	10Hz
MIMO Ant. 3	802.11g	100	-	-	10Hz
MIMO Ant. 1	2.4GHz 802.11n HT20	100	-	-	10Hz
MIMO Ant. 2	2.4GHz 802.11n HT20	100	-	-	10Hz
MIMO Ant. 3	2.4GHz 802.11n HT20	100	-	-	10Hz
MIMO Ant. 1	2.4GHz 802.11n HT40	100	-	-	10Hz
MIMO Ant. 2	2.4GHz 802.11n HT40	100	-	-	10Hz
MIMO Ant. 3	2.4GHz 802.11n HT40	100	-	-	10Hz

<PTP>

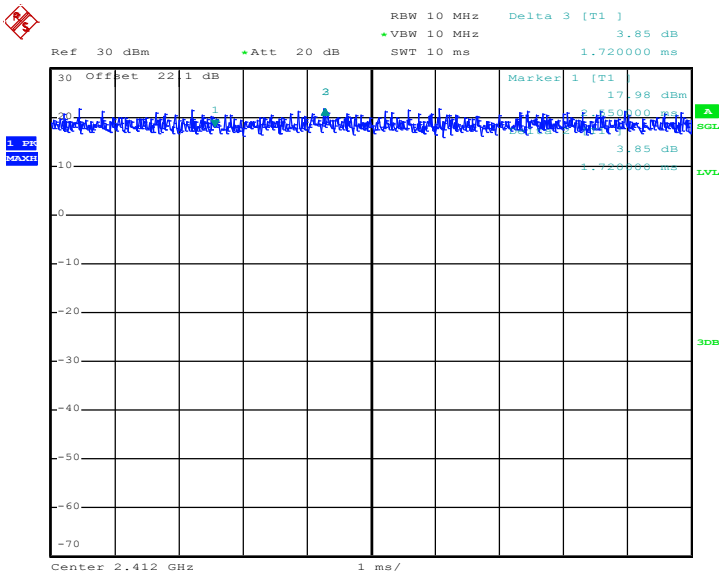
<MIMO Ant. Port 1+2+3(1)>

802.11b



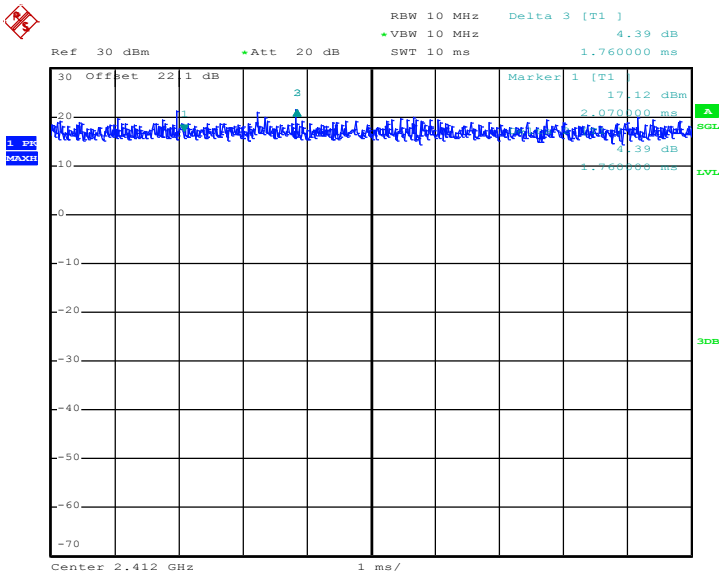
Date: 15.MAR.2016 22:20:24

802.11g



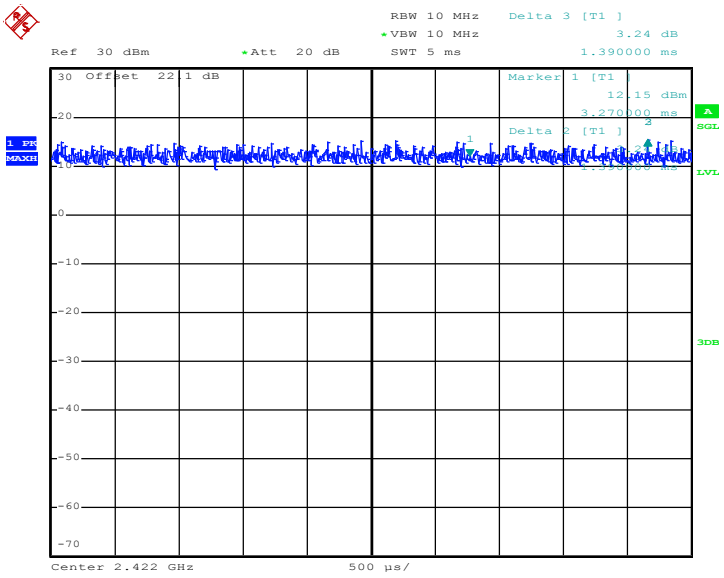
Date: 15.MAR.2016 22:44:23

802.11n HT20



Date: 15.MAR.2016 23:29:21

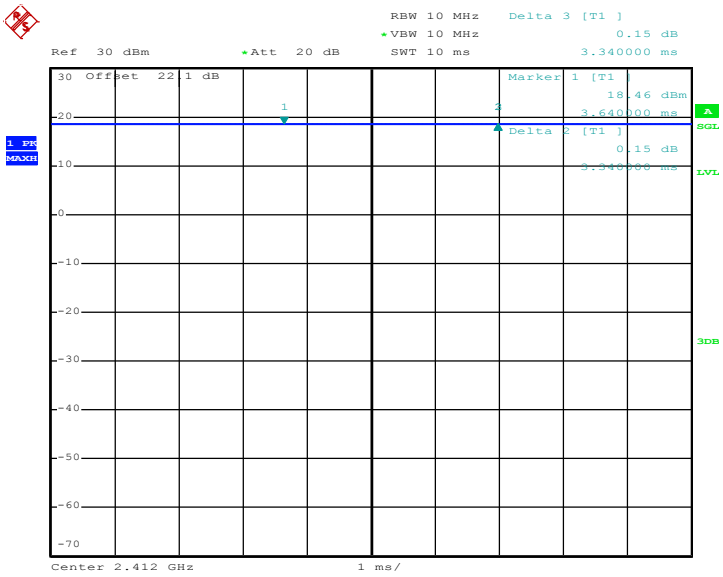
802.11n HT40



Date: 15.MAR.2016 23:50:52

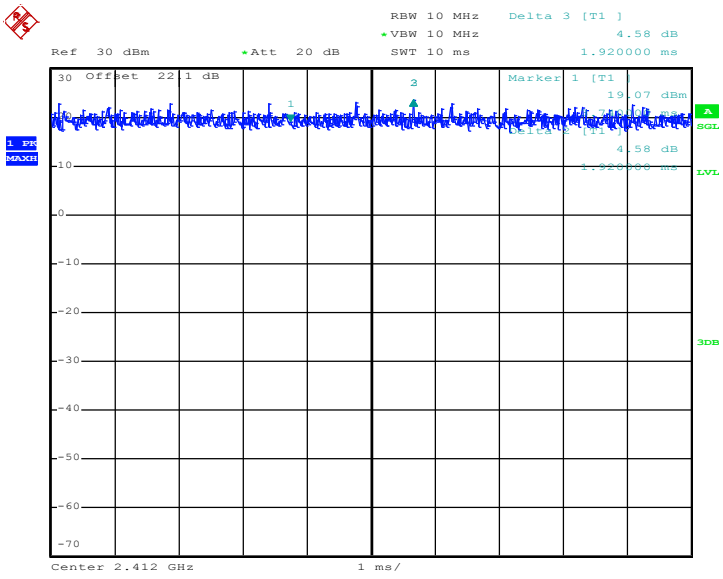
<MIMO Ant. Port 1+2+3(2)>

802.11b



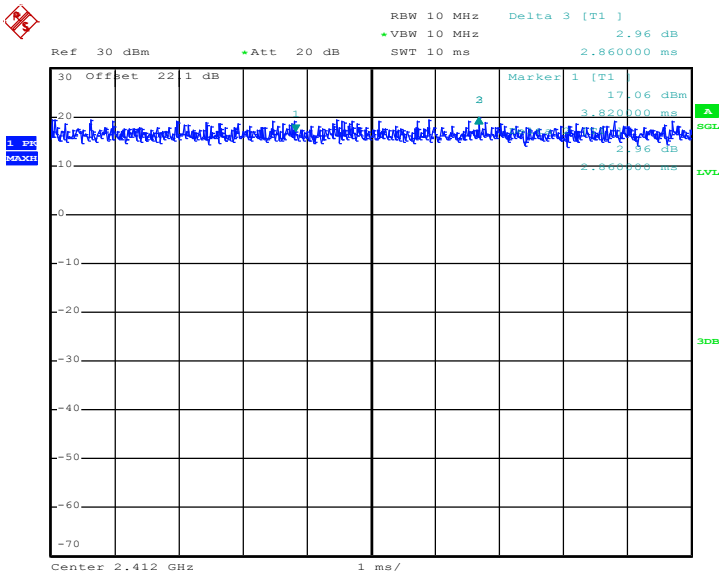
Date: 15.MAR.2016 22:21:40

802.11g



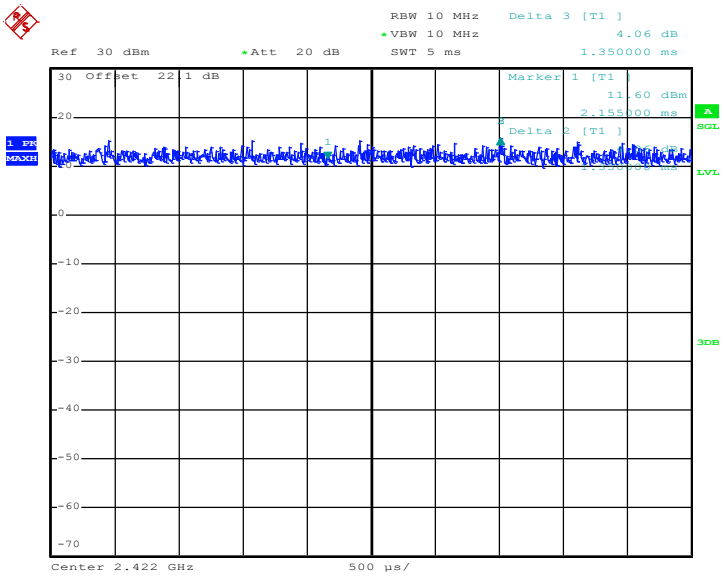
Date: 15.MAR.2016 22:46:43

802.11n HT20



Date: 15.MAR.2016 23:30:21

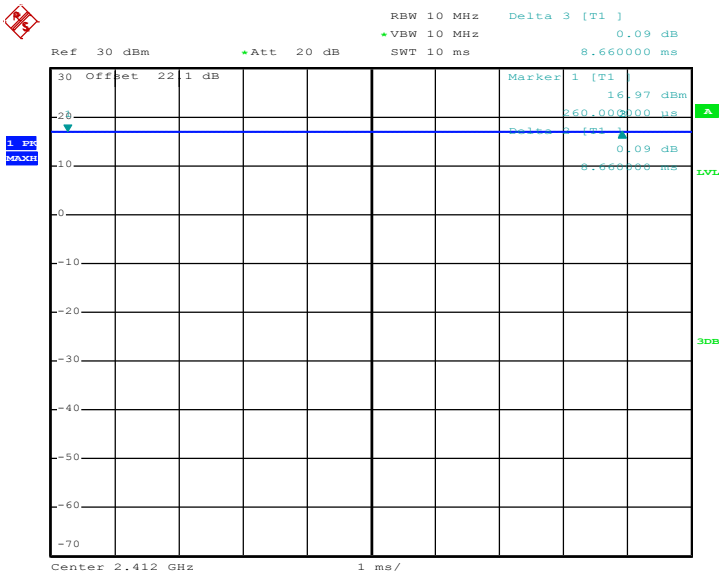
802.11n HT40



Date: 15.MAR.2016 23:54:41

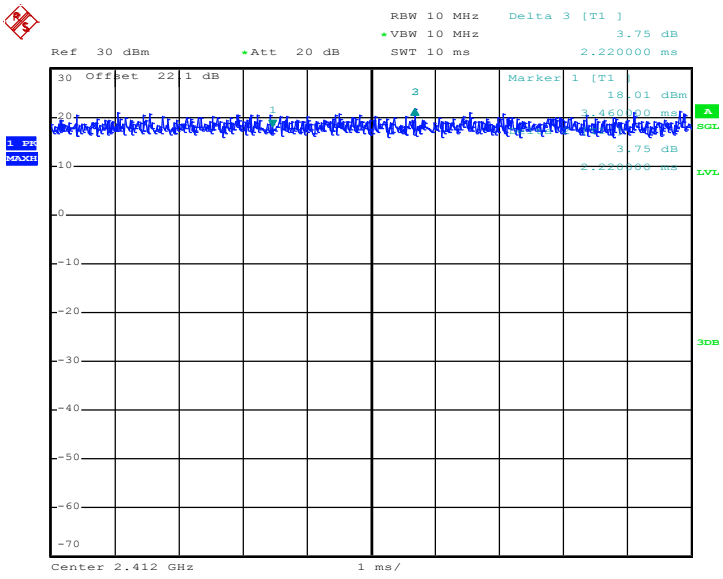
<MIMO Ant. Port 1+2+3(3)>

802.11b



Date: 15.MAR.2016 22:22:50

802.11g



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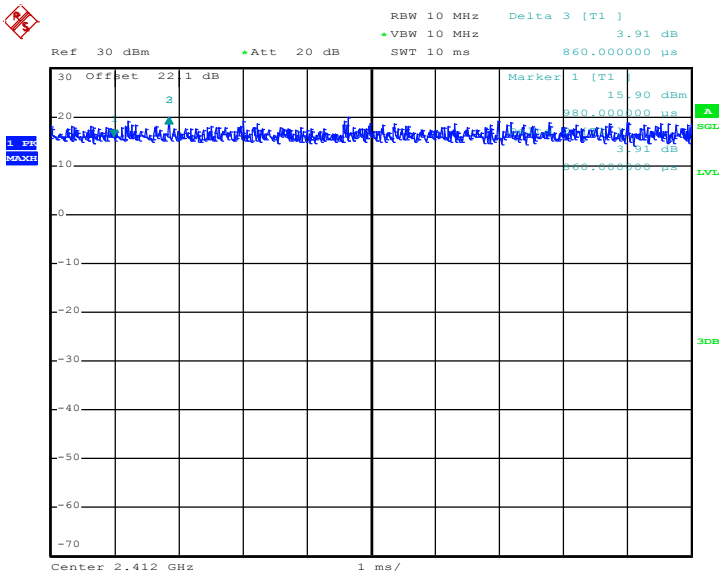
802.11n HT20



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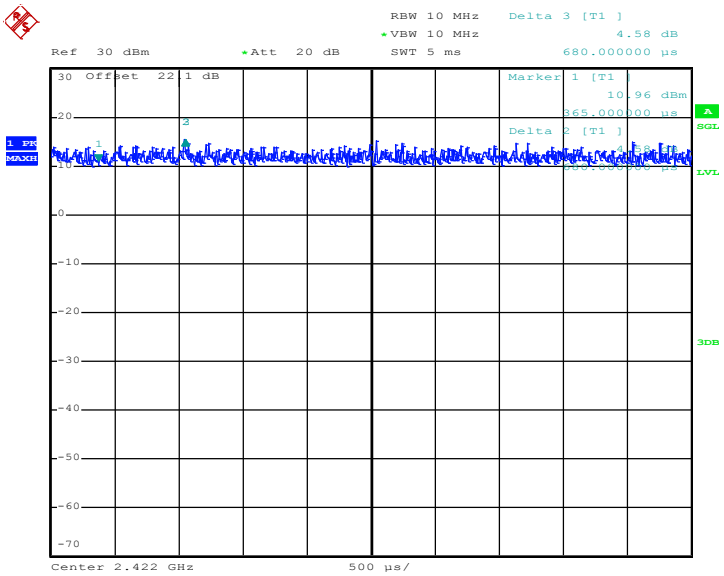
802.11n HT40

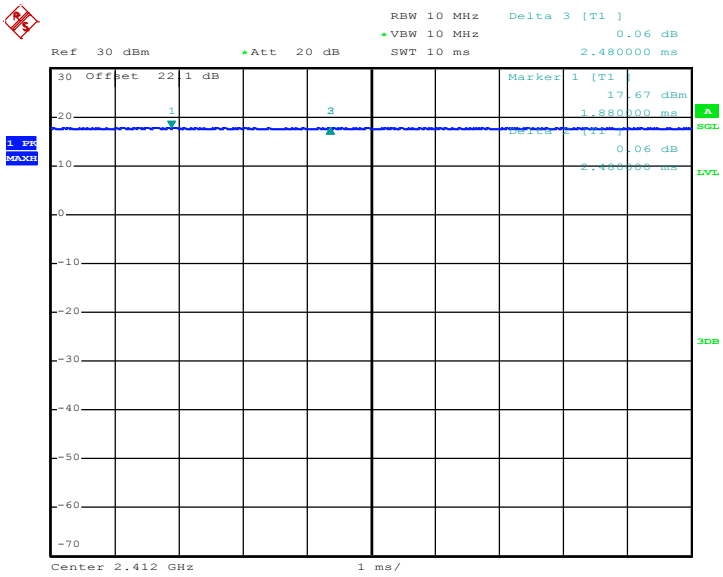


Date: 16.MAR.2016 00:04:45

<PTMP>

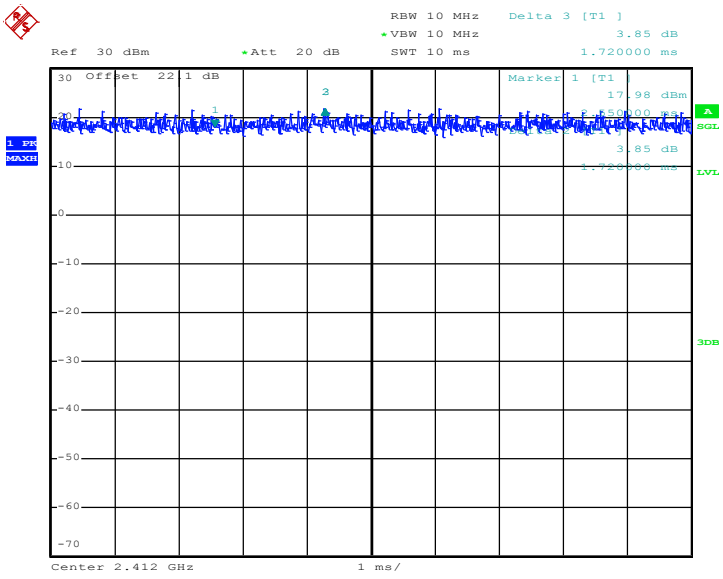
<MIMO Ant. Port 1+2+3(1)>

802.11b



Date: 15.MAR.2016 22:20:24

802.11g



Date: 15.MAR.2016 22:44:23

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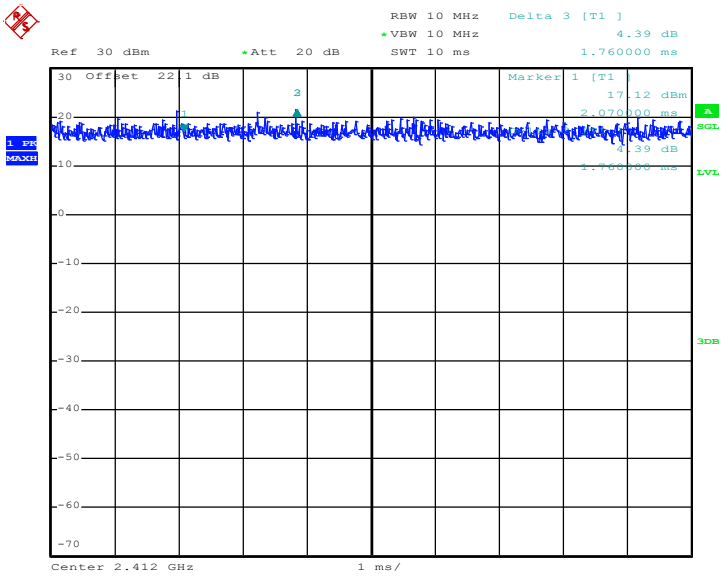

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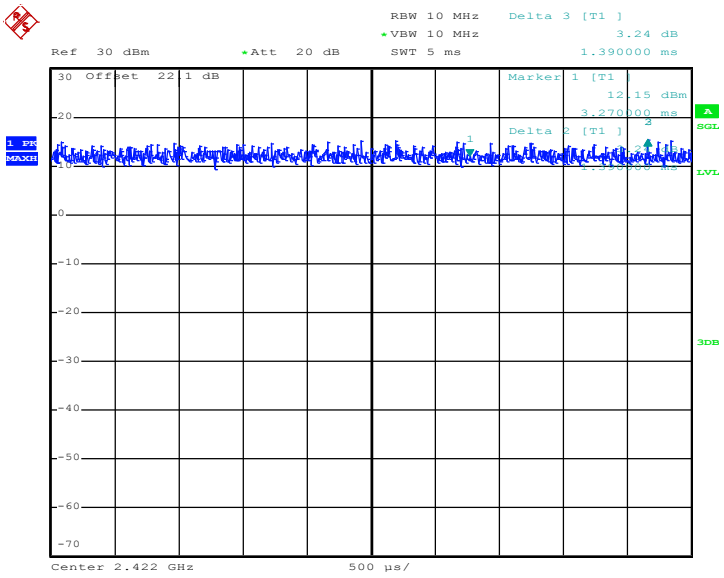
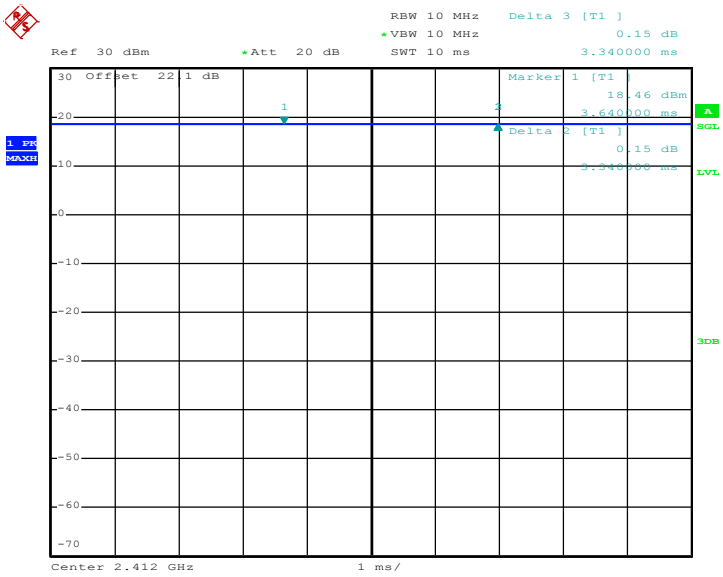


Date: 15.MAR.2016 23:50:52

<MIMO Ant. Port 1+2+3(2)>

802.11b



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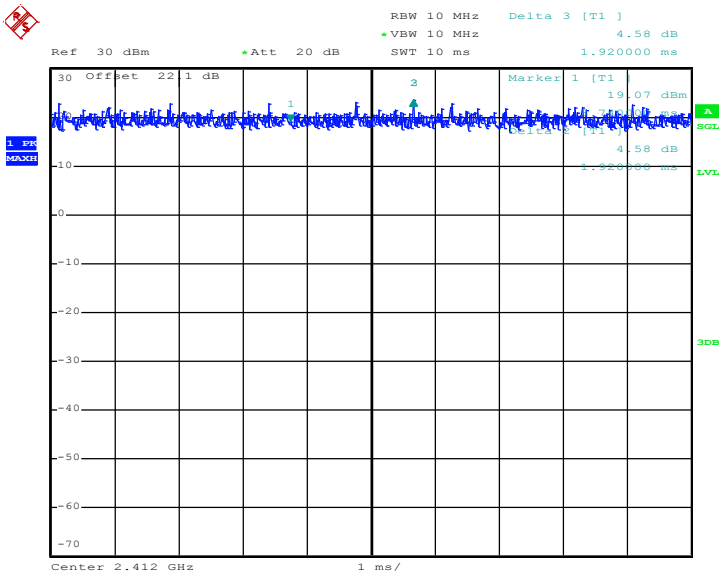
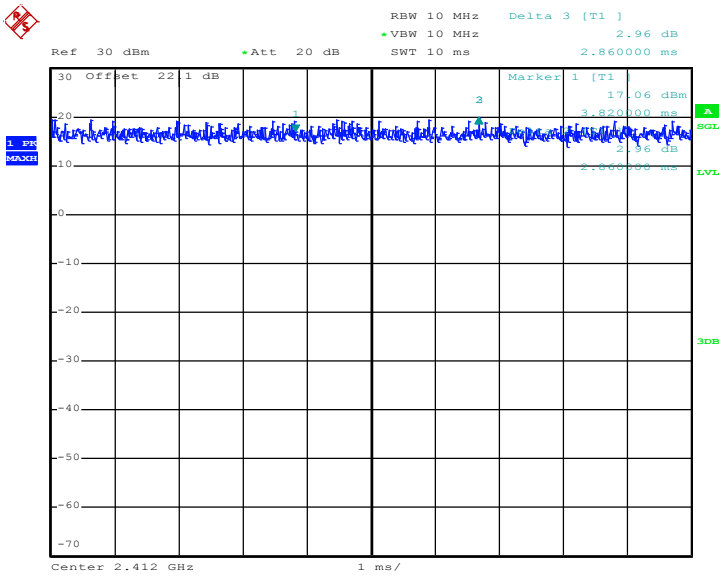


Date: 15.MAR.2016 22:46:43

802.11n HT20



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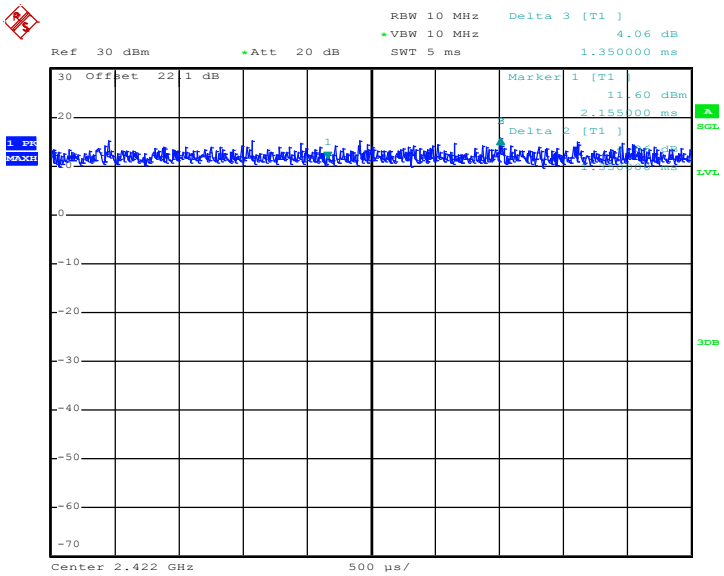

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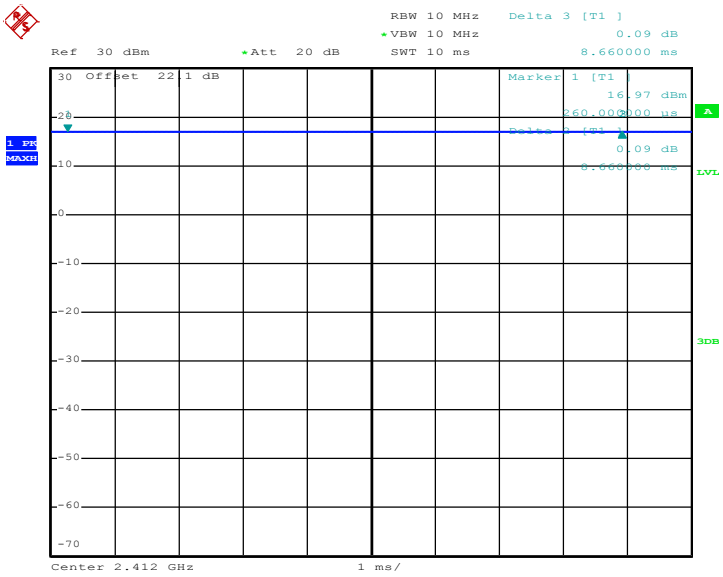
802.11b



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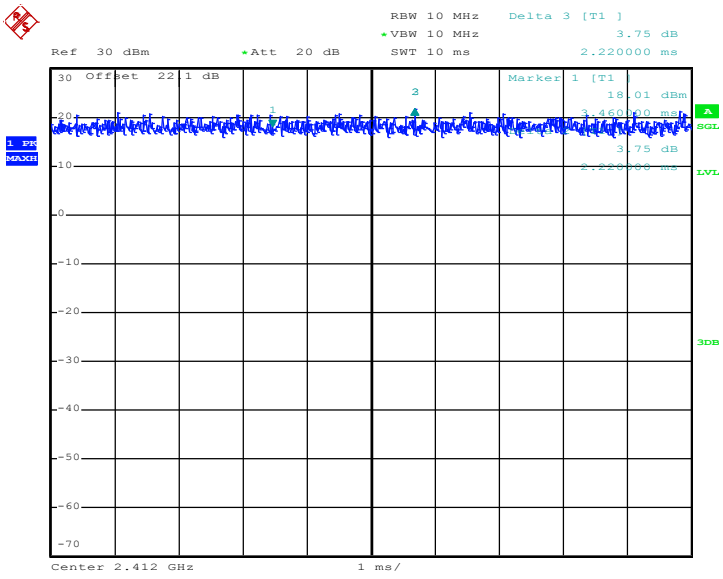

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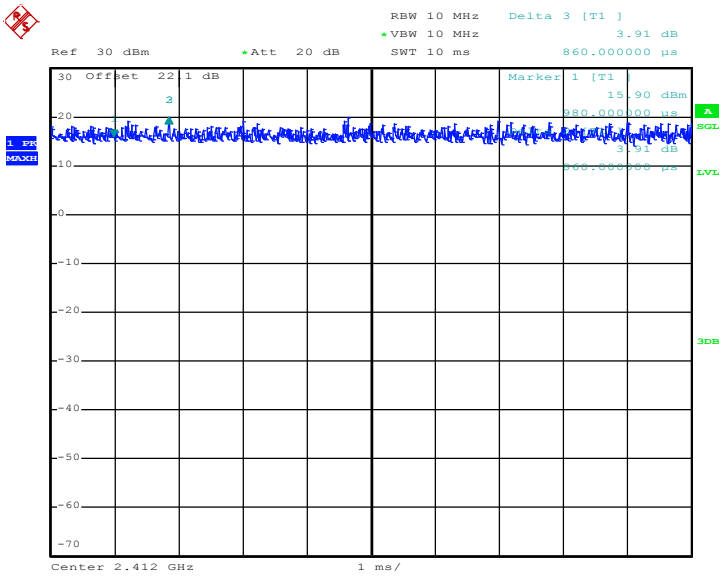

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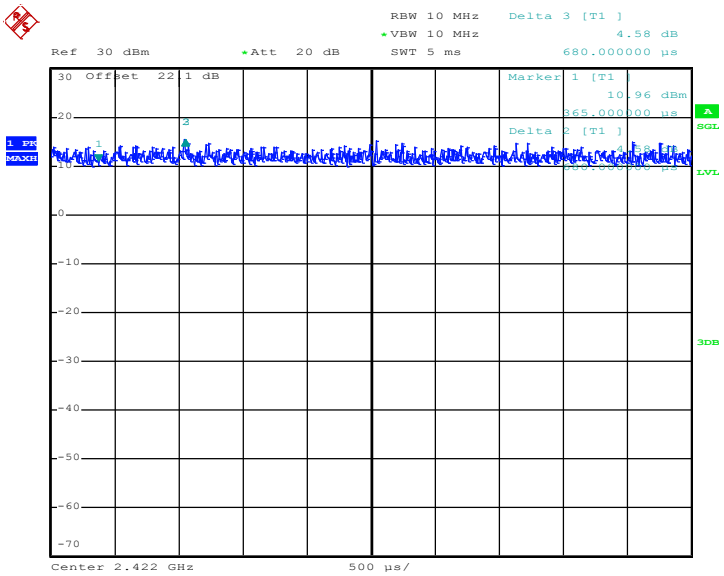

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