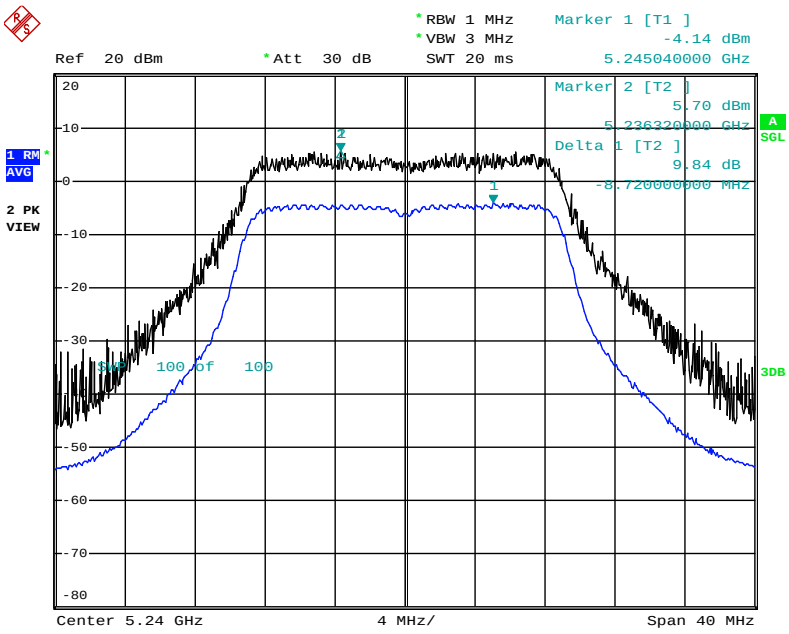
Mode 2 (Ant.3 Panel antenna / 12.5dBi)

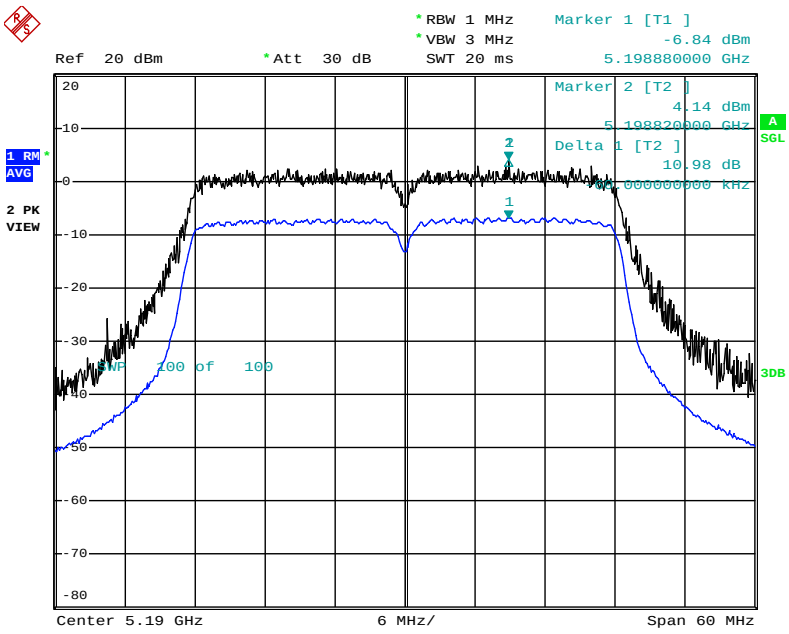
1TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 256QAM(MCS8) / 5240 MHz



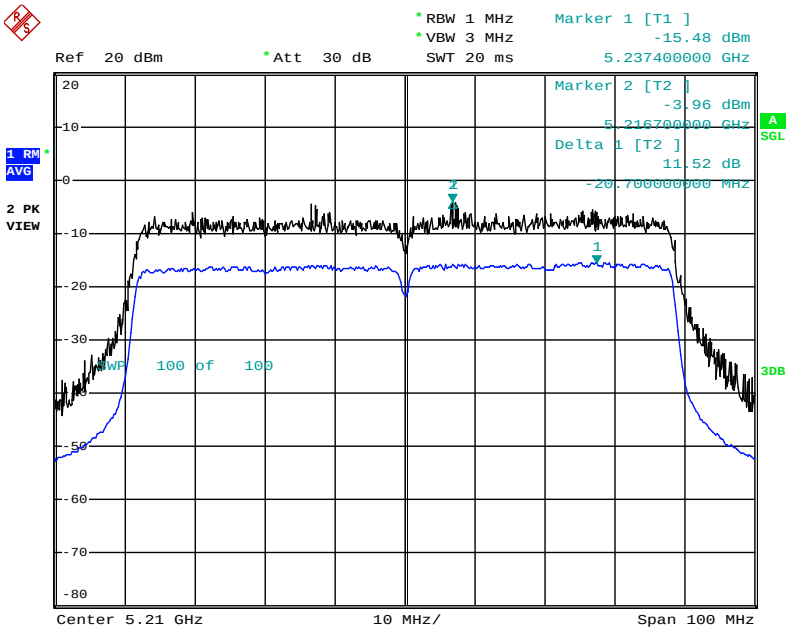
Date: 22.MAY.2013 18:53:52

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 16QAM(MCS3) / 5190 MHz



Date: 22.MAY.2013 19:04:39

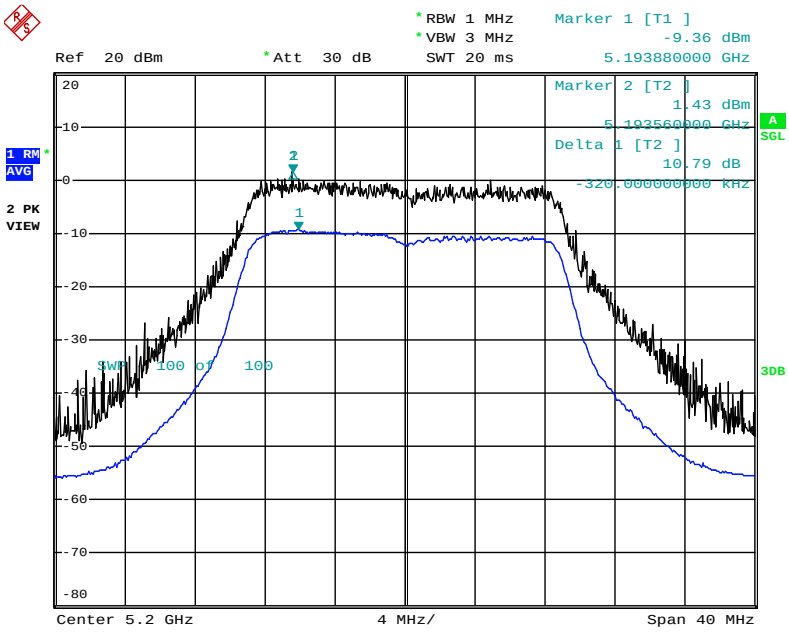
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5210 MHz



Date: 22.MAY.2013 19:07:43

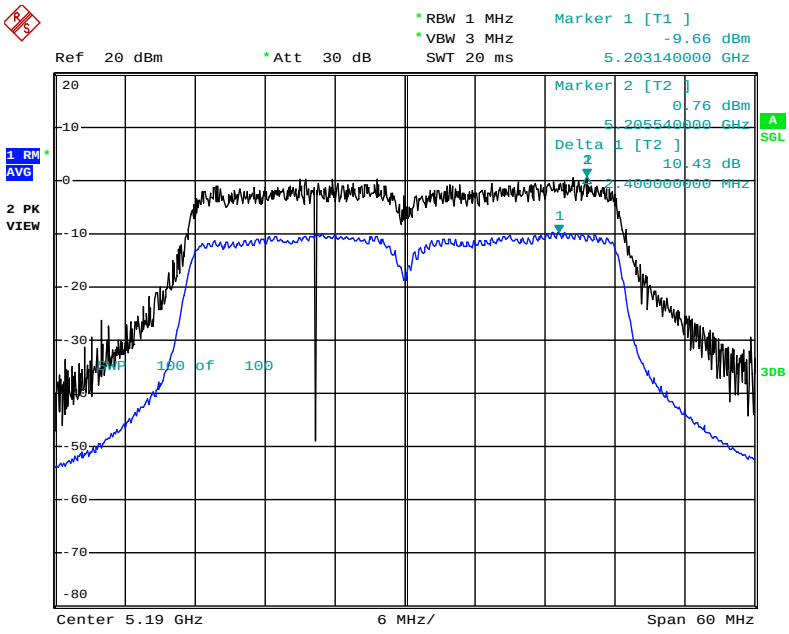
2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5200 MHz



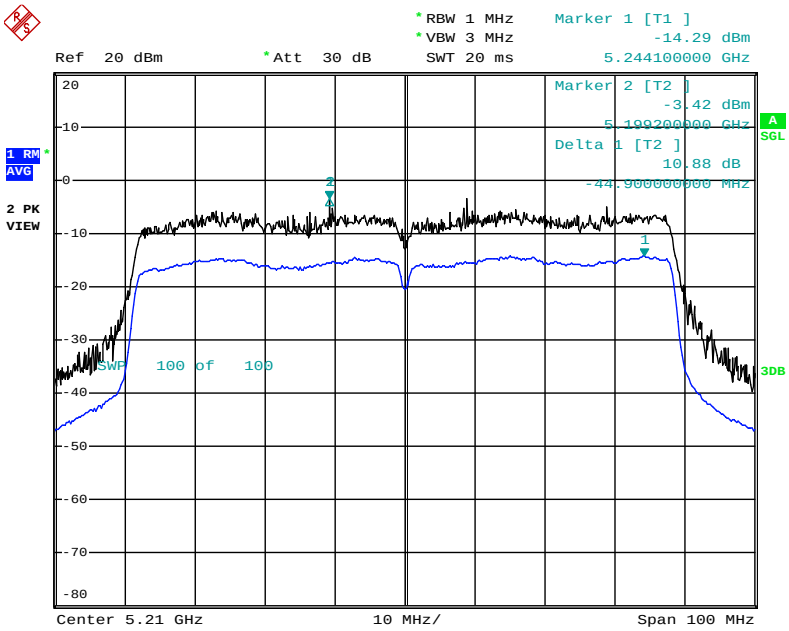
Date: 22.MAY.2013 19:16:30

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5190 MHz



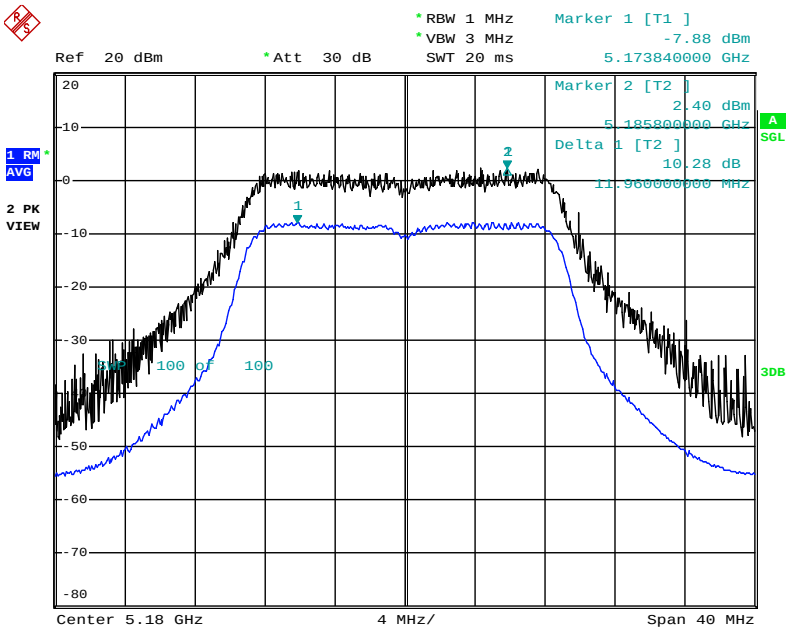
Date: 22.MAY.2013 19:19:01

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / QPSK(MCS1) / 5210 MHz



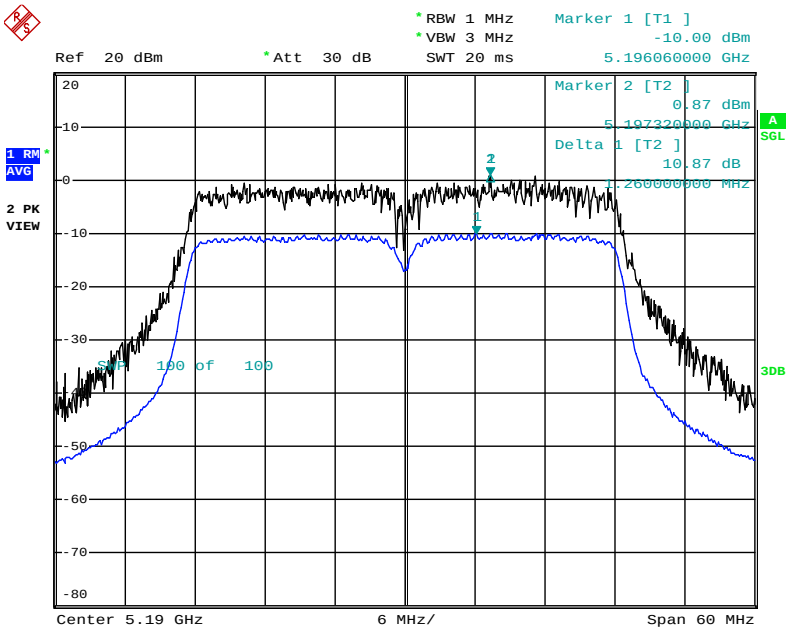
Date: 22.MAY.2013 19:20:26

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5180 MHz



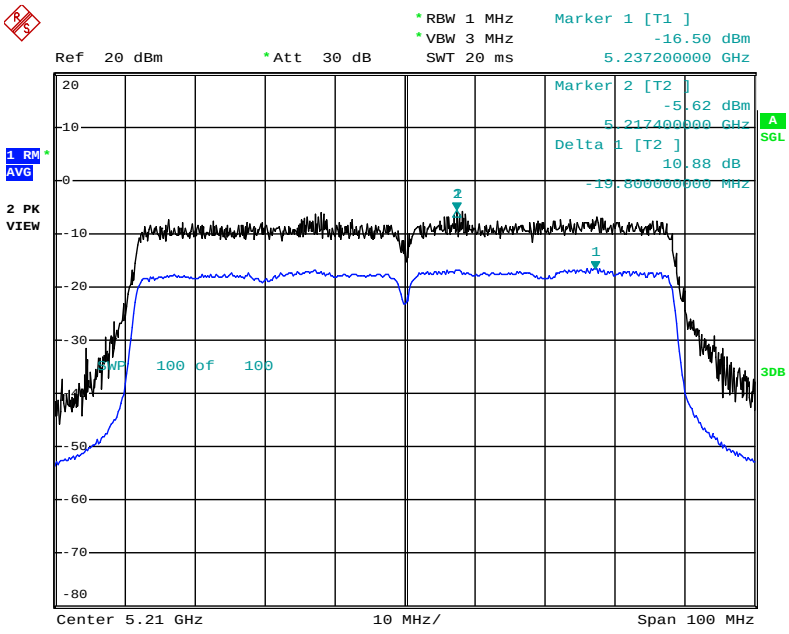
Date: 22.MAY.2013 19:32:12

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5190 MHz



Date: 22.MAY.2013 19:28:31

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5210 MHz

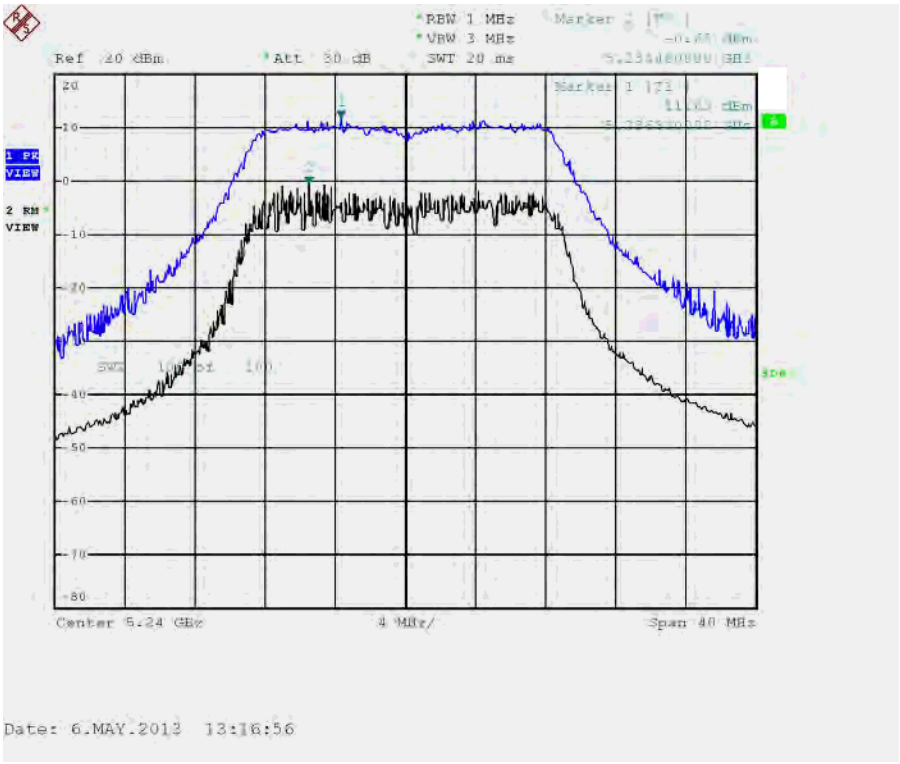


Date: 22.MAY.2013 19:25:27

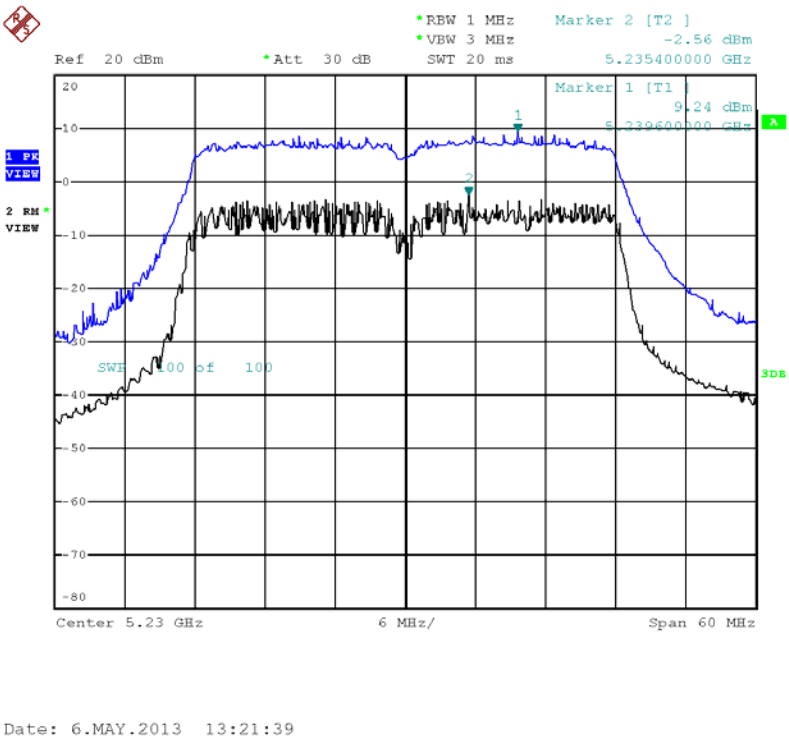
Mode 3 (Ant.4 Yagi antenna / 8dBi)

1TX

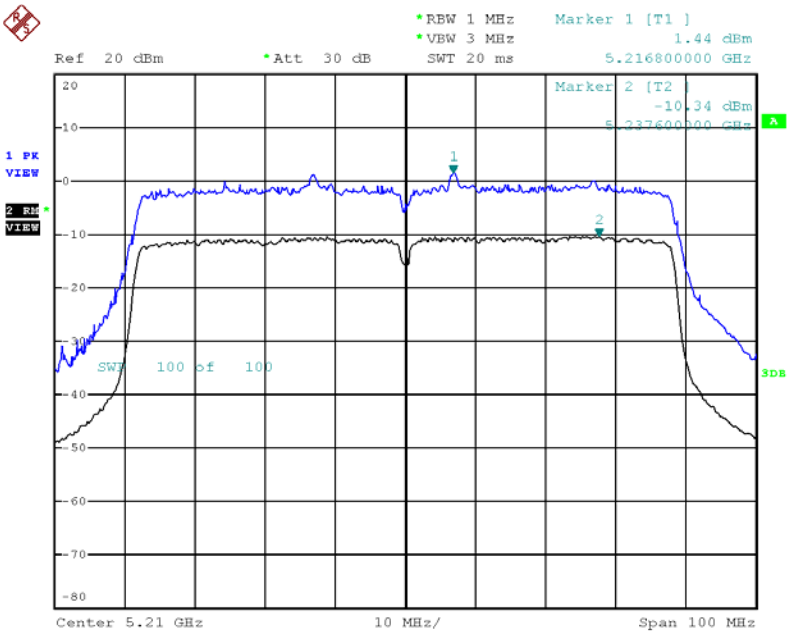
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 256QAM(MCS8) / 5240 MHz



Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 16QAM(MCS3) / 5230 MHz

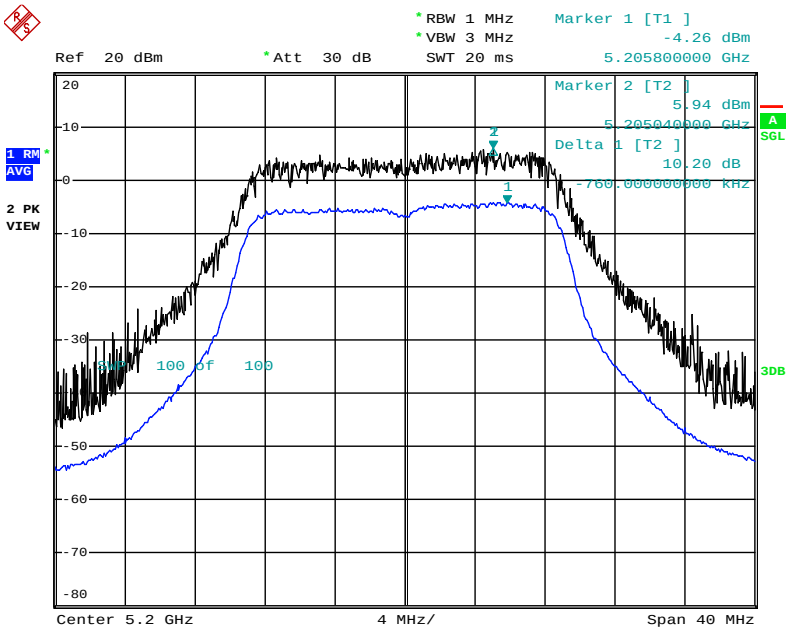


Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5210 MHz



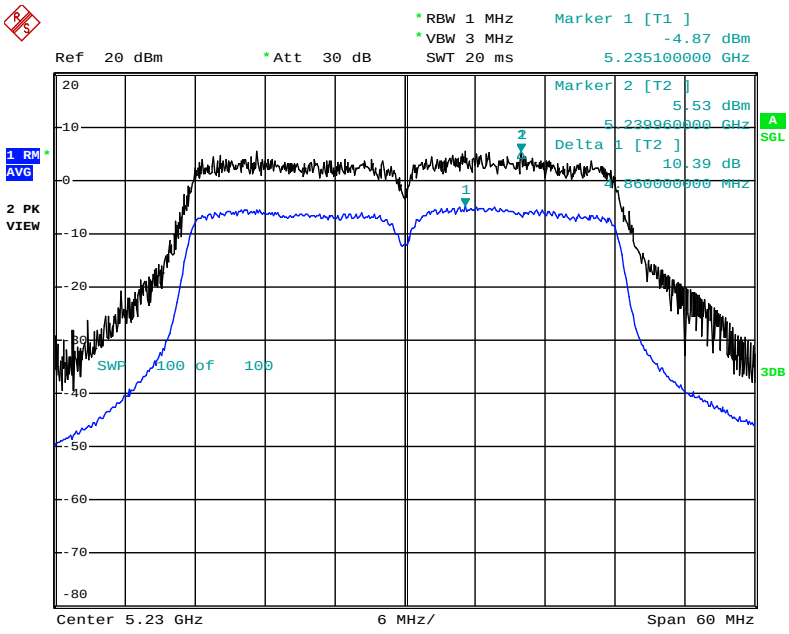
2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5200 MHz



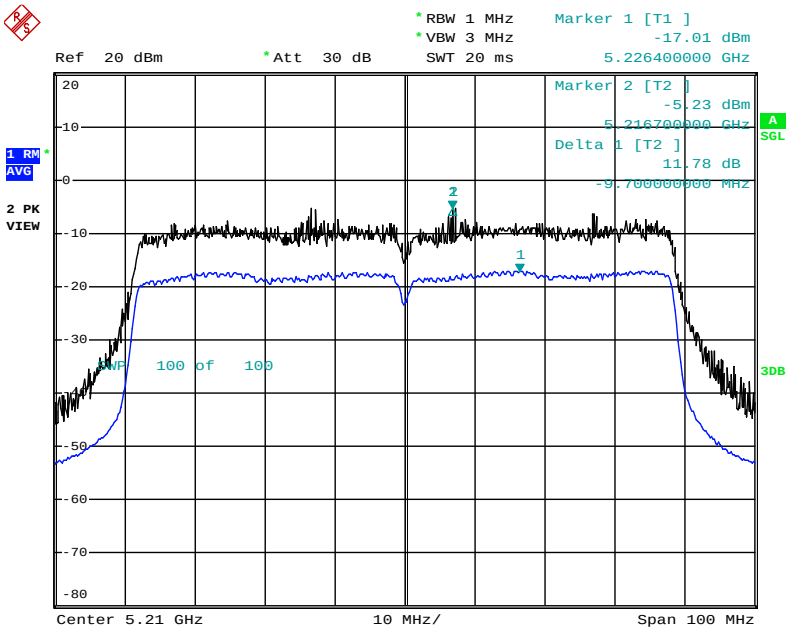
Date: 8.MAY.2013 20:29:24

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5230 MHz



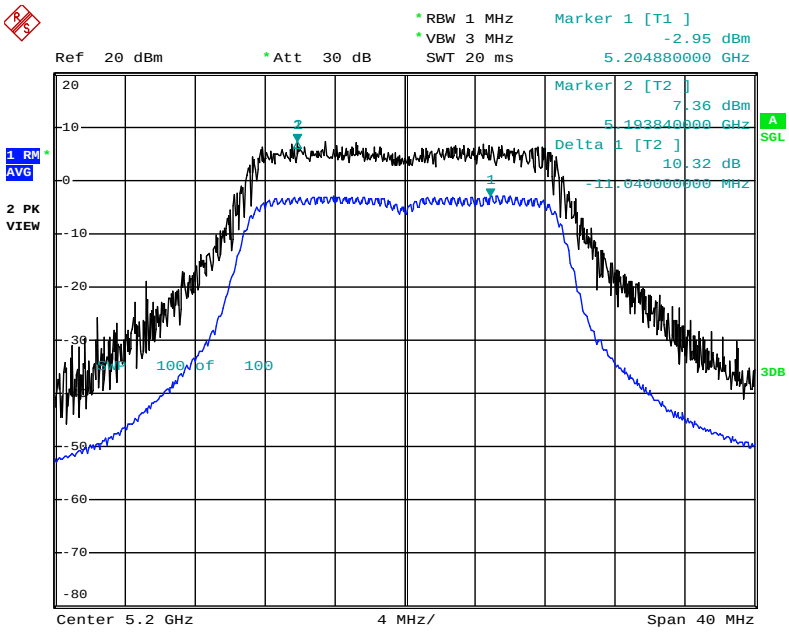
Date: 8.MAY.2013 23:15:15

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5210 MHz



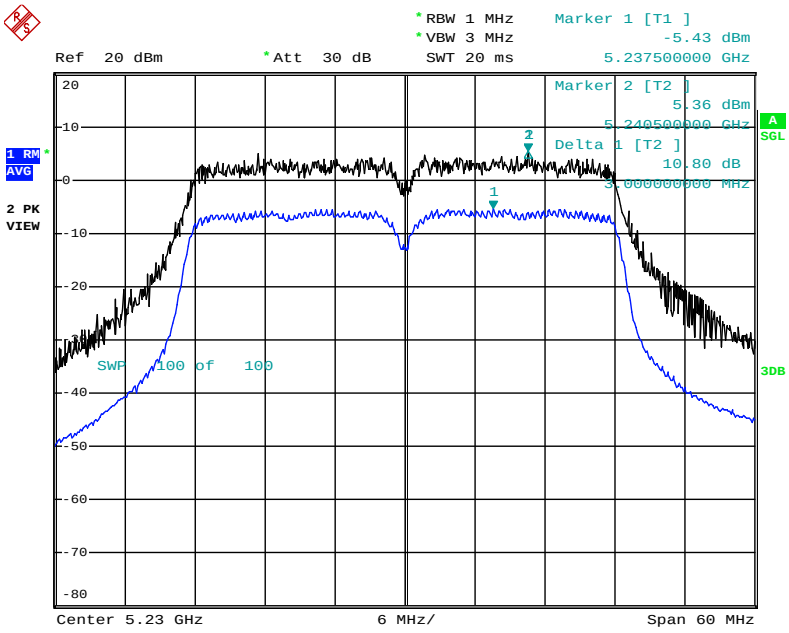
Date: 8.MAY.2013 23:18:14

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5200 MHz



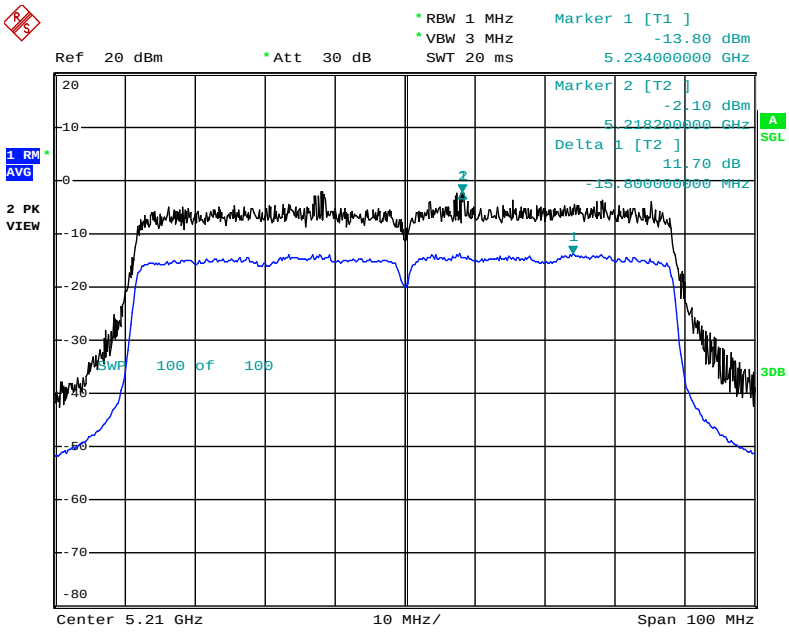
Date: 8.MAY.2013 21:03:16

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 64QAM(MCS5) / 5230 MHz



Date: 8.MAY.2013 23:30:28

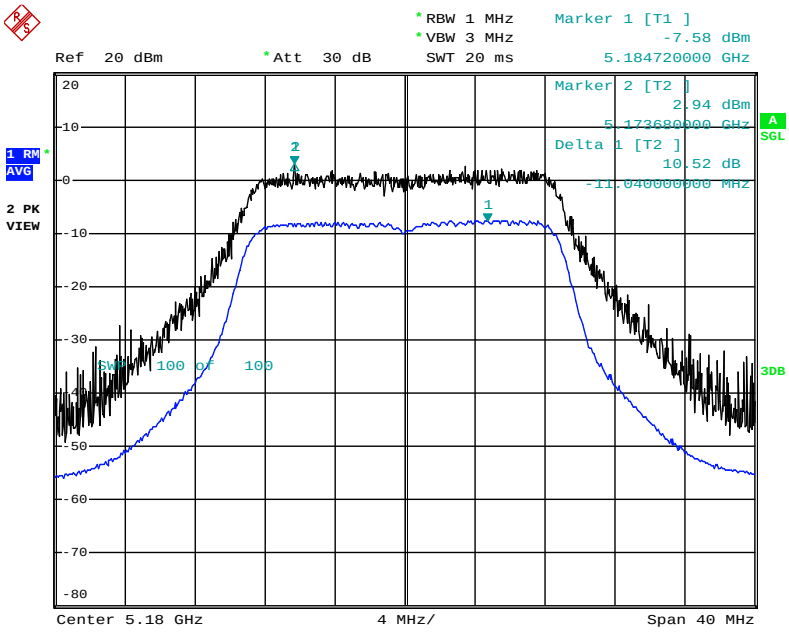
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5210 MHz



Date: 8.MAY.2013 23:26:02

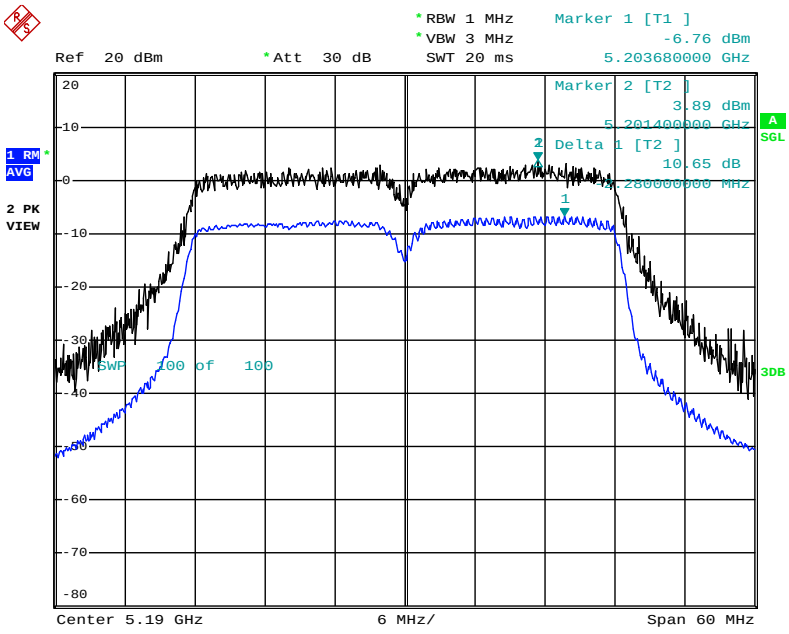
3TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5180 MHz



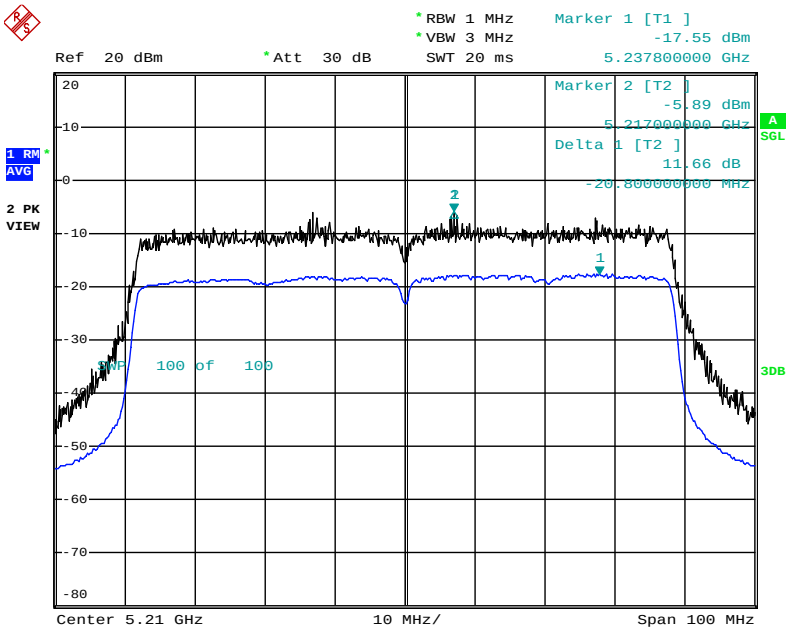
Date: 8.MAY.2013 22:22:22

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5190 MHz



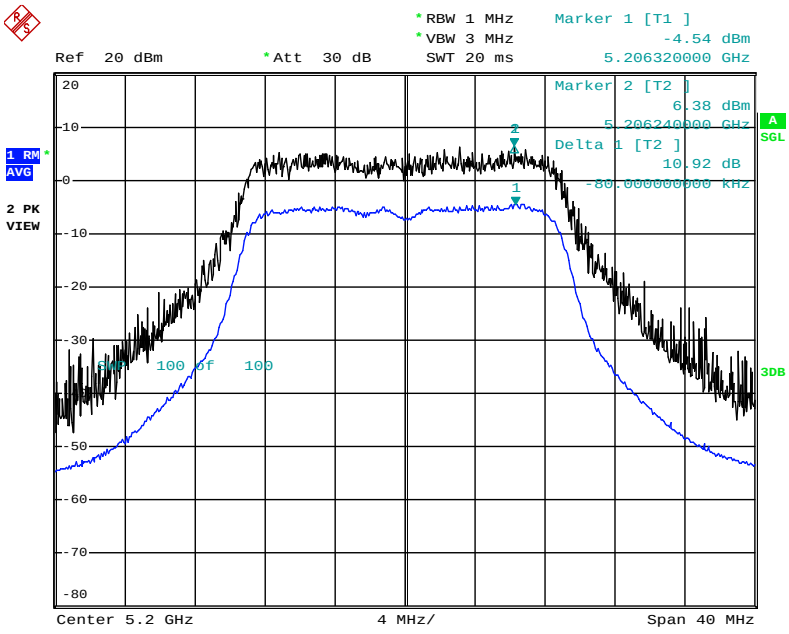
Date: 8.MAY.2013 21:15:16

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5210 MHz



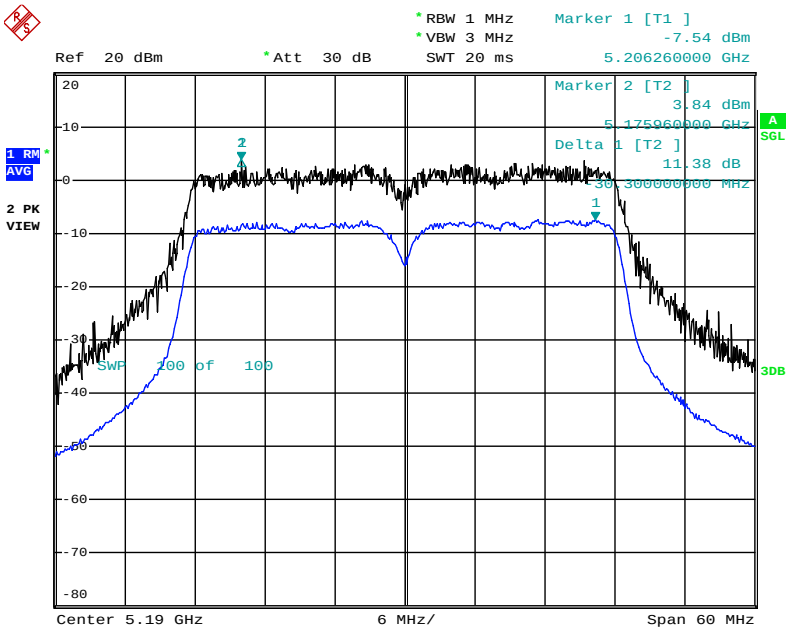
Date: 8.MAY.2013 22:03:10

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5200 MHz



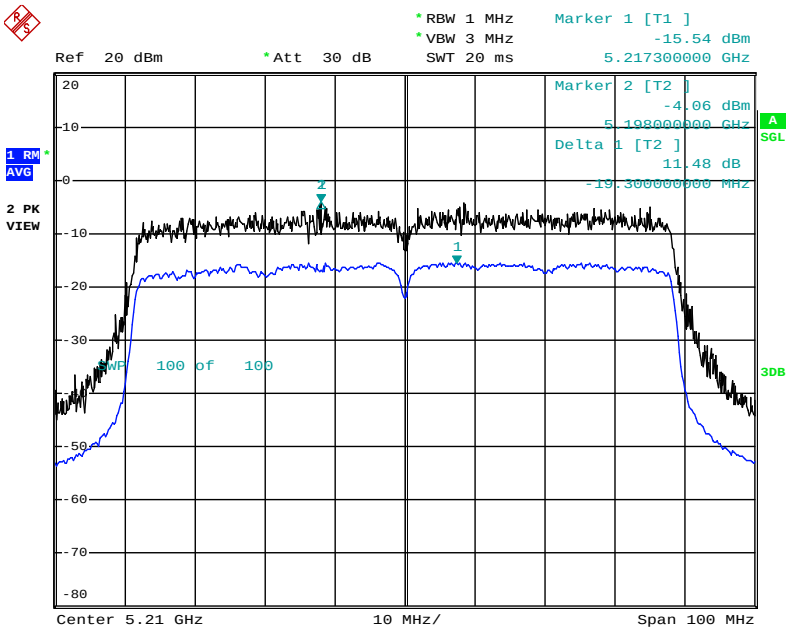
Date: 8.MAY.2013 21:42:20

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5190 MHz



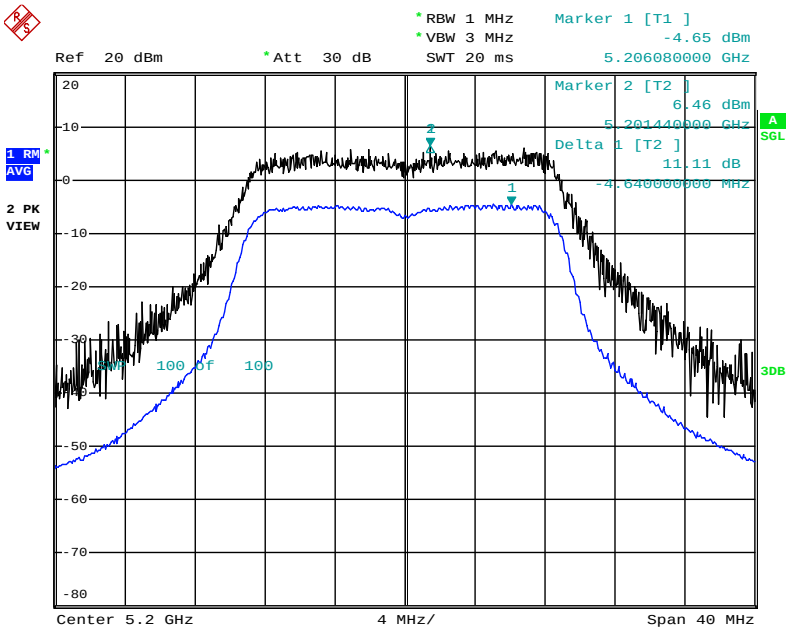
Date: 8.MAY.2013 21:31:14

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5210 MHz



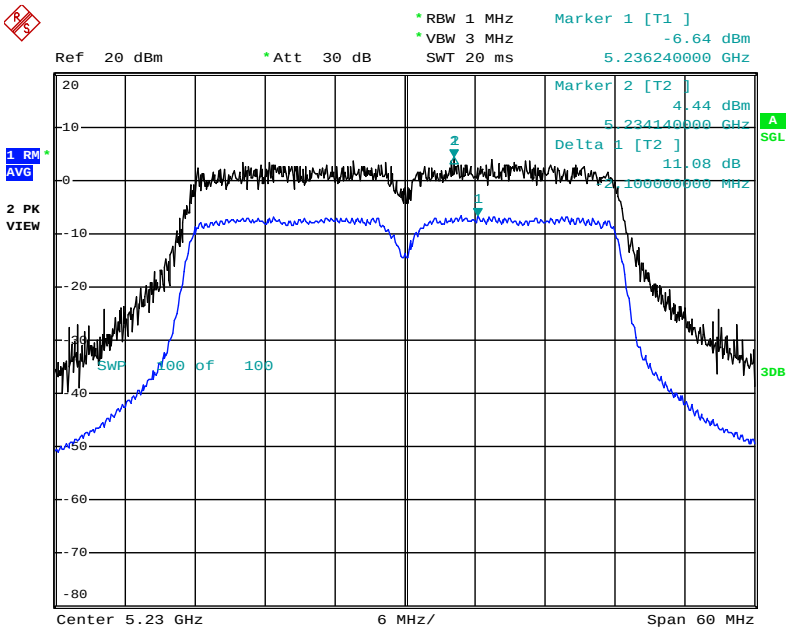
Date: 8.MAY.2013 22:35:24

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5200 MHz



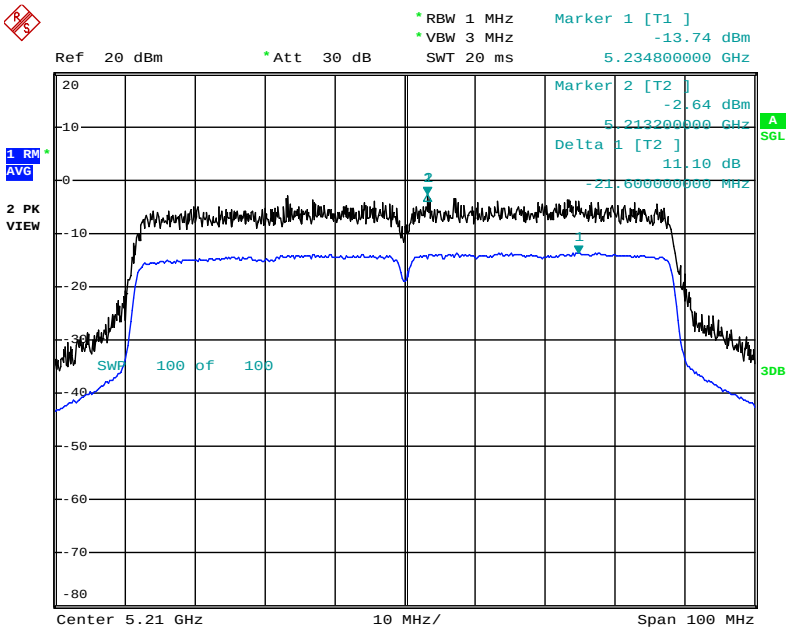
Date: 8.MAY.2013 21:47:55

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5230 MHz



Date: 8.MAY.2013 21:51:47

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / BSPK(MCS0) / 5210 MHz

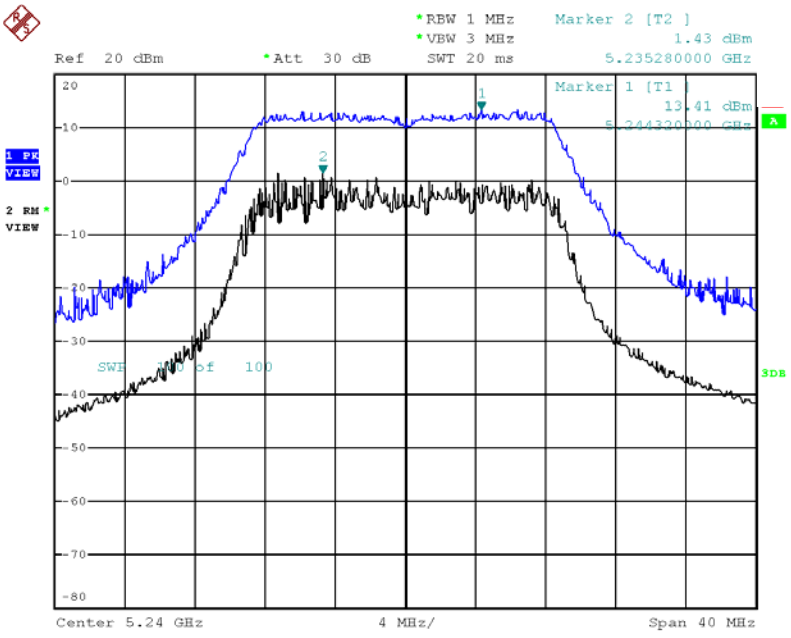


Date: 8.MAY.2013 22:39:07

Mode 4 (Ant.5 Patch antenna / 2.3dBi)

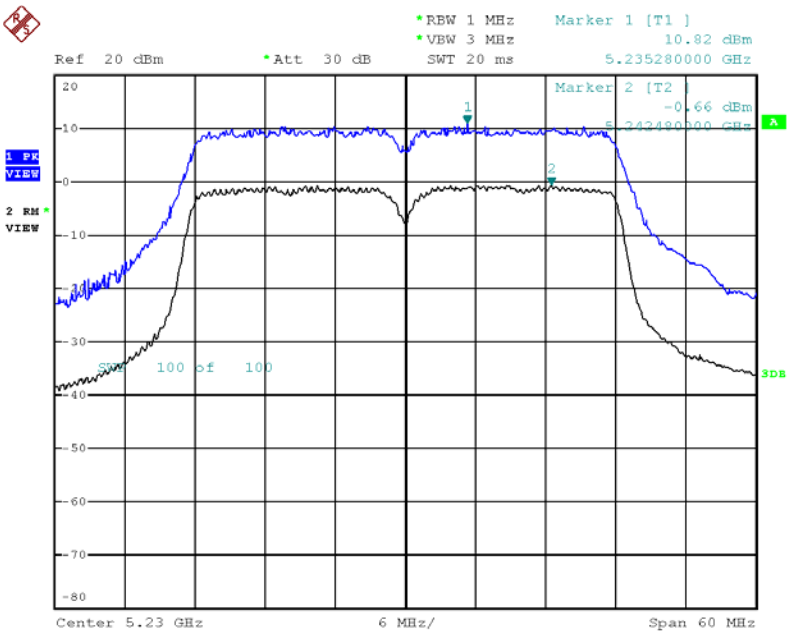
1TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 256QAM(MCS8) / 5240 MHz



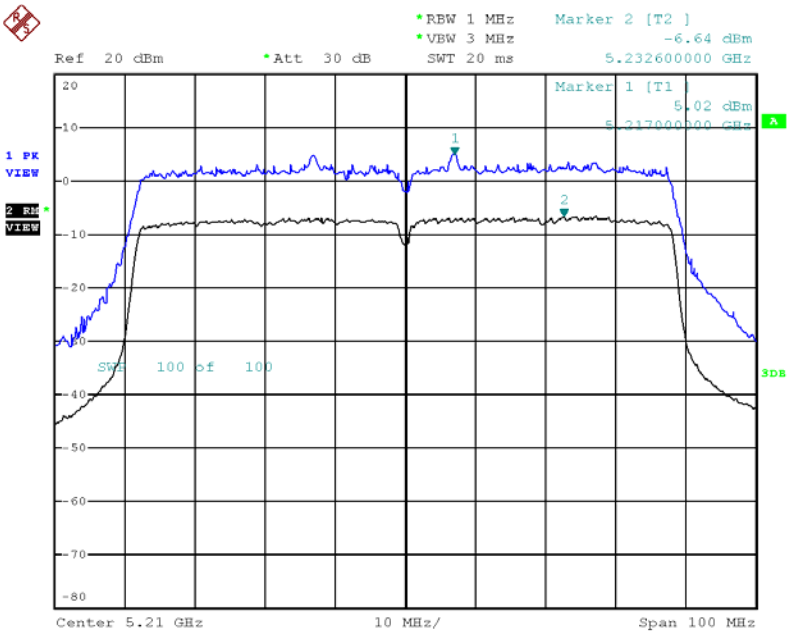
Date: 6.MAY.2013 13:06:35

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 256QAM(MCS8) / 5230 MHz



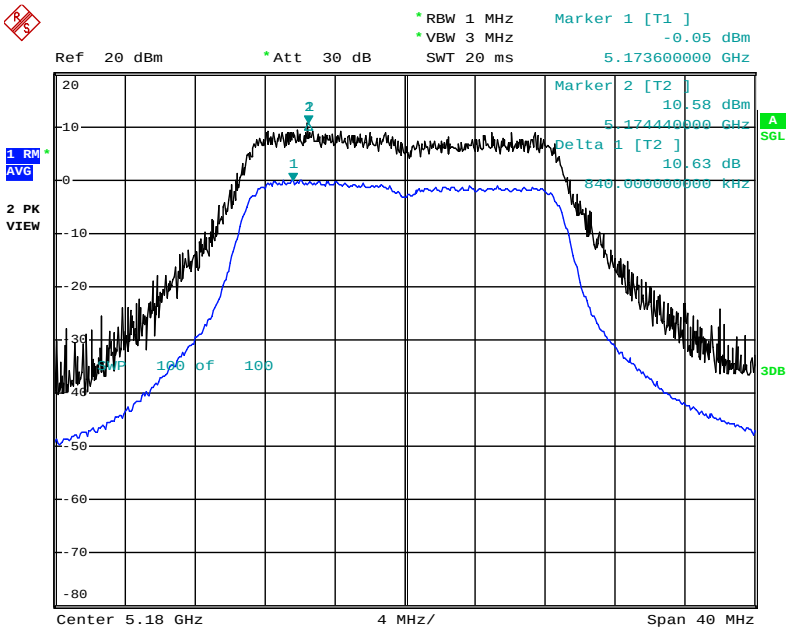
Date: 6.MAY.2013 14:33:50

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5210 MHz



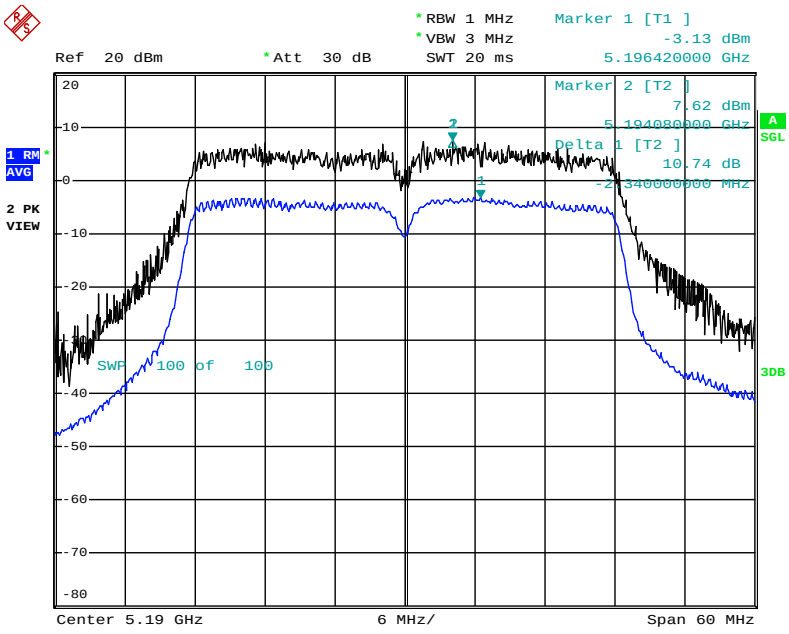
2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5180 MHz



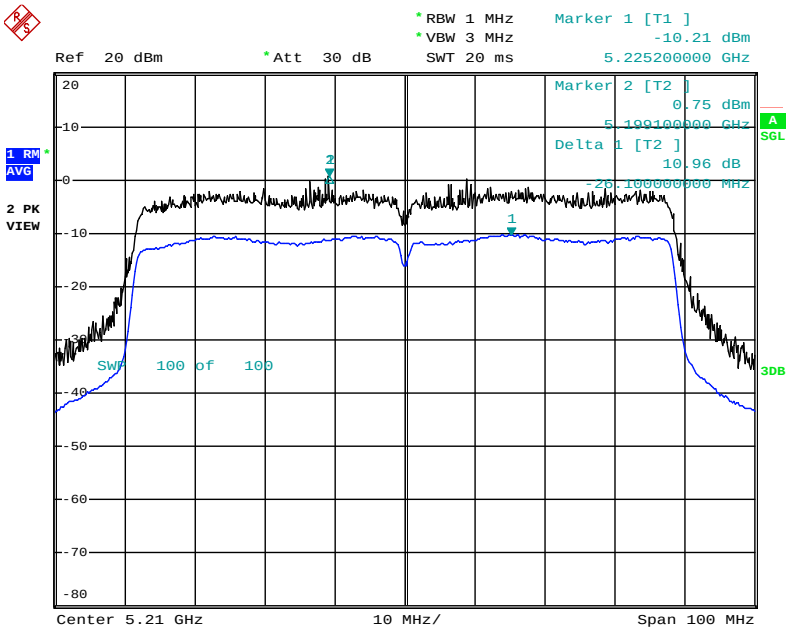
Date: 9.MAY.2013 01:08:00

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5190 MHz



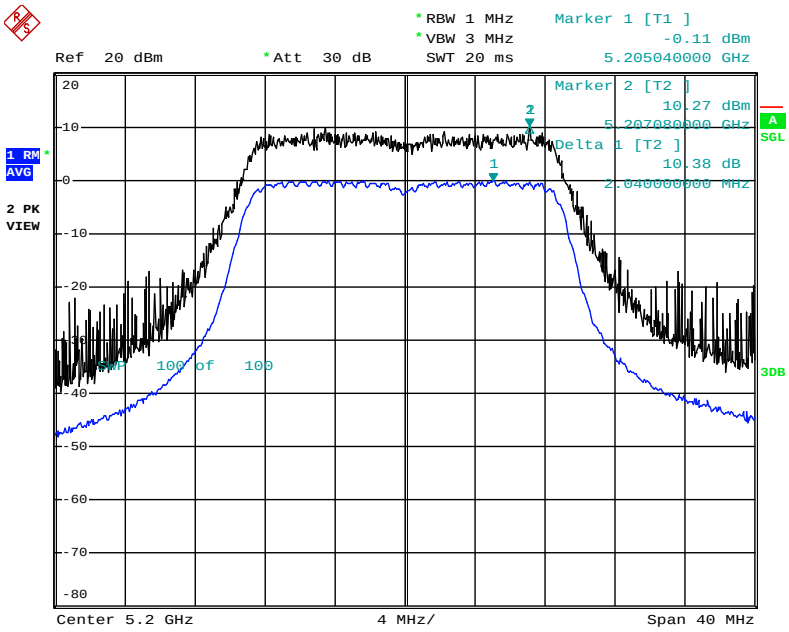
Date: 9.MAY.2013 01:10:45

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5210 MHz



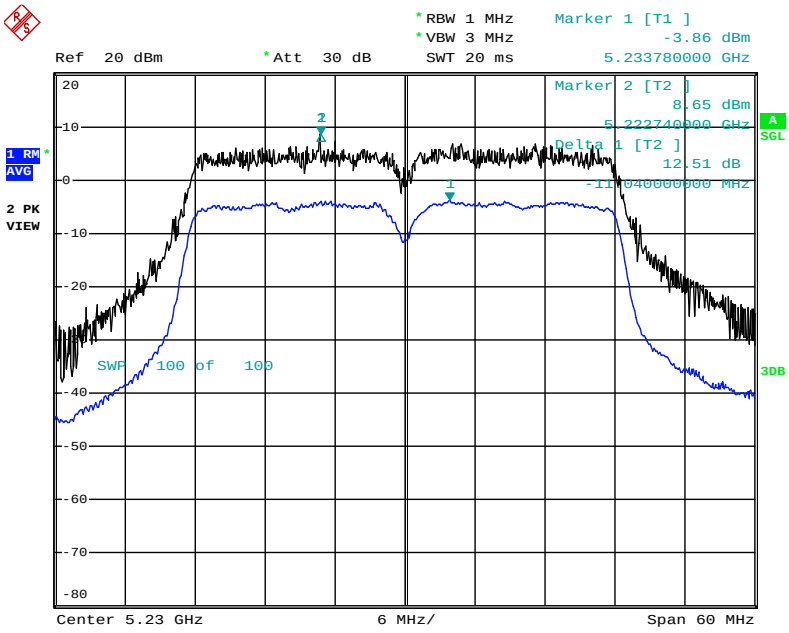
Date: 9.MAY.2013 01:12:49

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5200 MHz

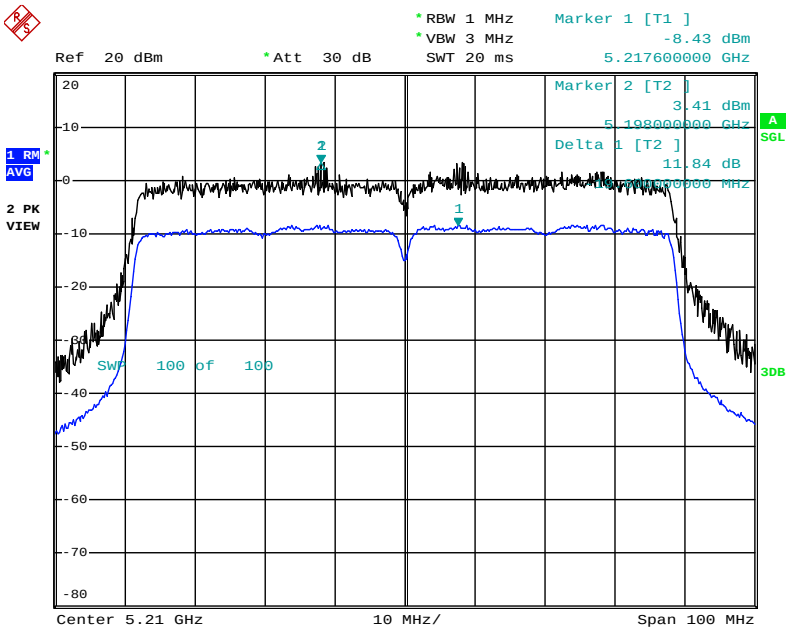


Date: 9.MAY.2013 01:23:06

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5230 MHz

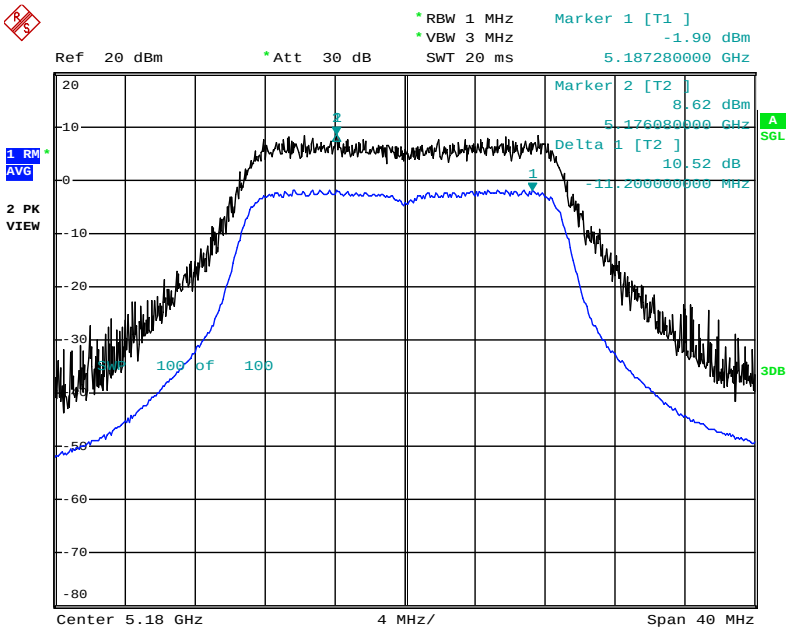


Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5210 MHz

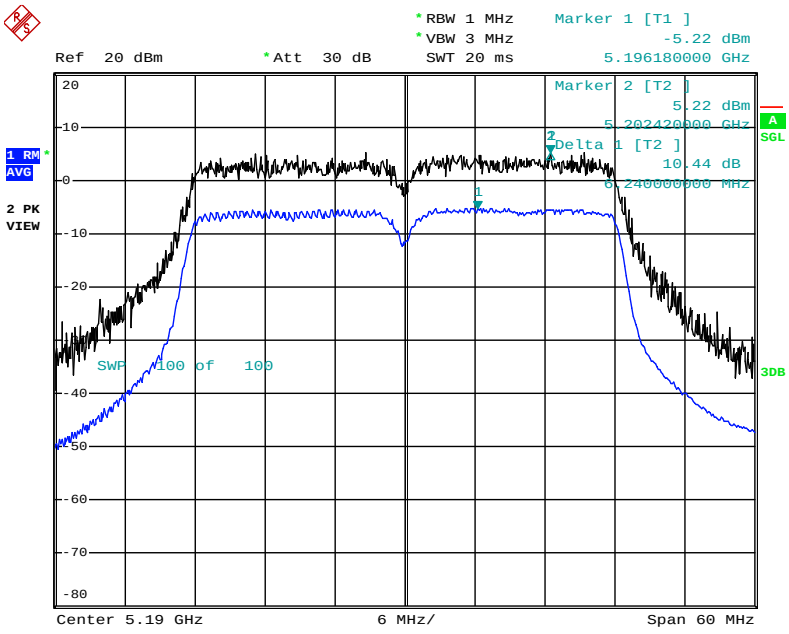


3TX

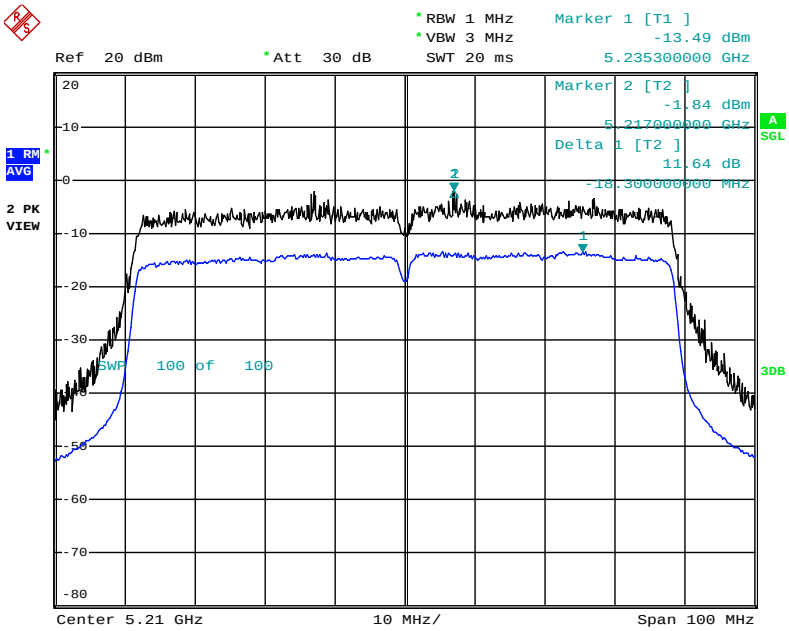
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5180 MHz



Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5190 MHz

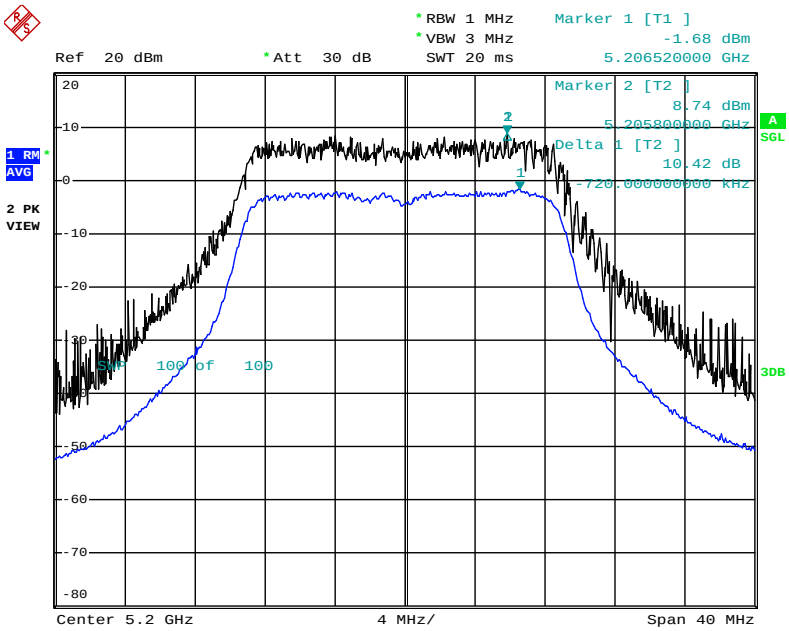


Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5210 MHz



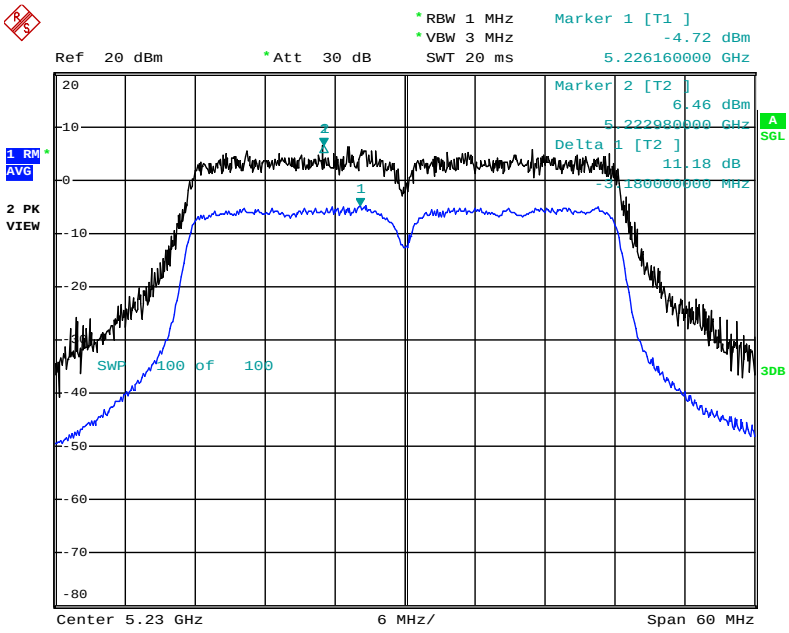
Date: 9.MAY.2013 00:36:16

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5200 MHz



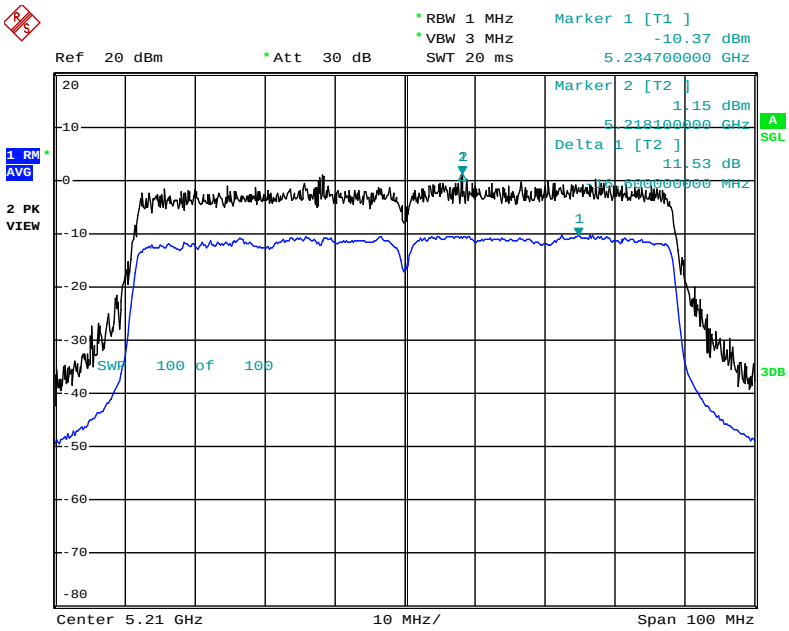
Date: 9.MAY.2013 00:46:55

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5230 MHz



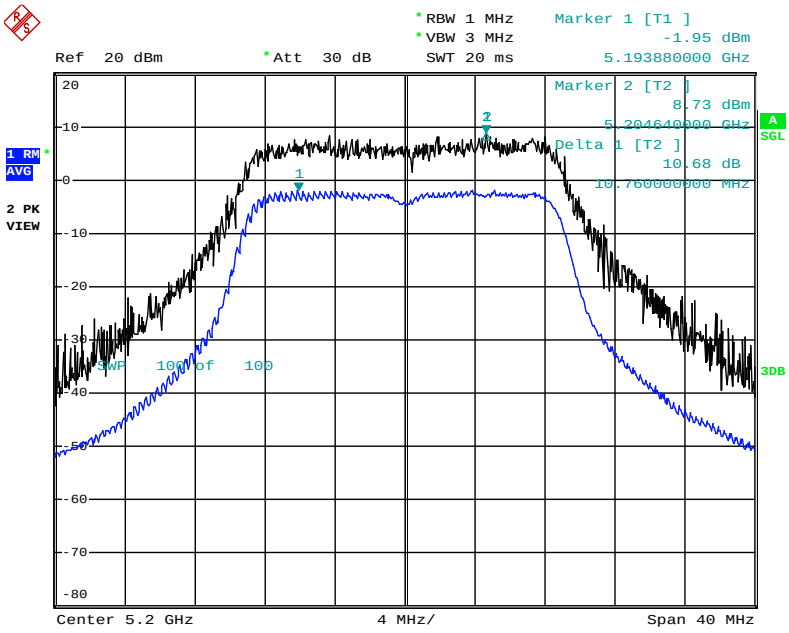
Date: 9.MAY.2013 00:50:34

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5210 MHz



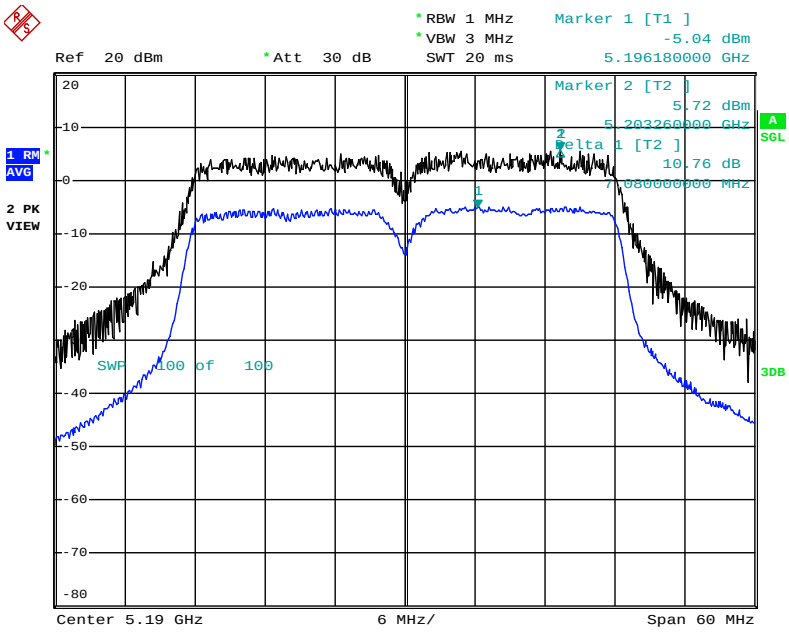
Date: 9.MAY.2013 00:53:28

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5200 MHz



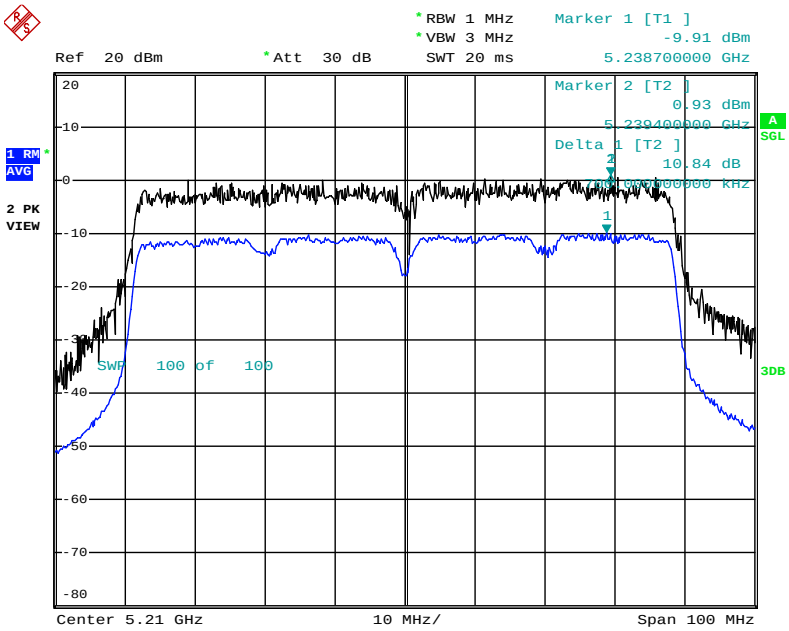
Date: 9.MAY.2013 01:03:34

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5190 MHz



Date: 9.MAY.2013 01:00:51

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5210 MHz

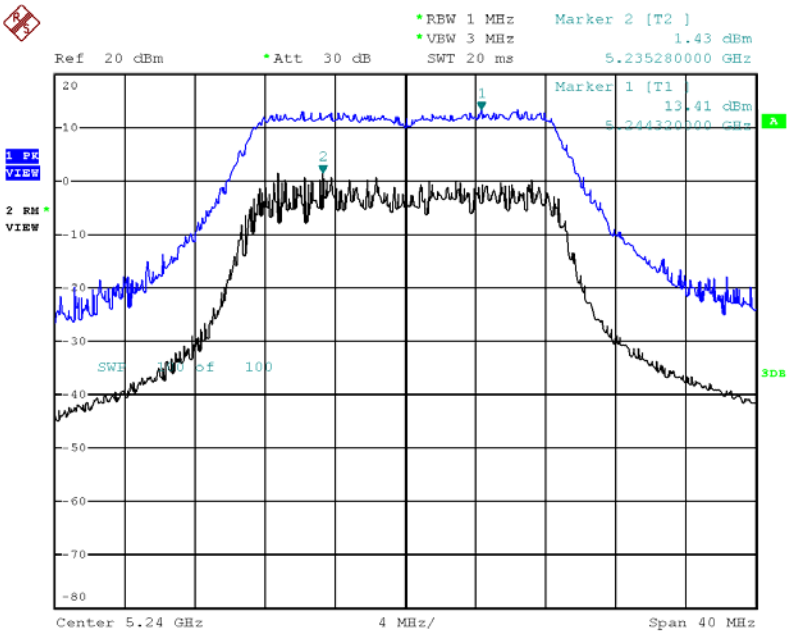


Date: 9.MAY.2013 00:57:54

Mode 5 (Ant.6 Facade antenna / 2.5dBi)

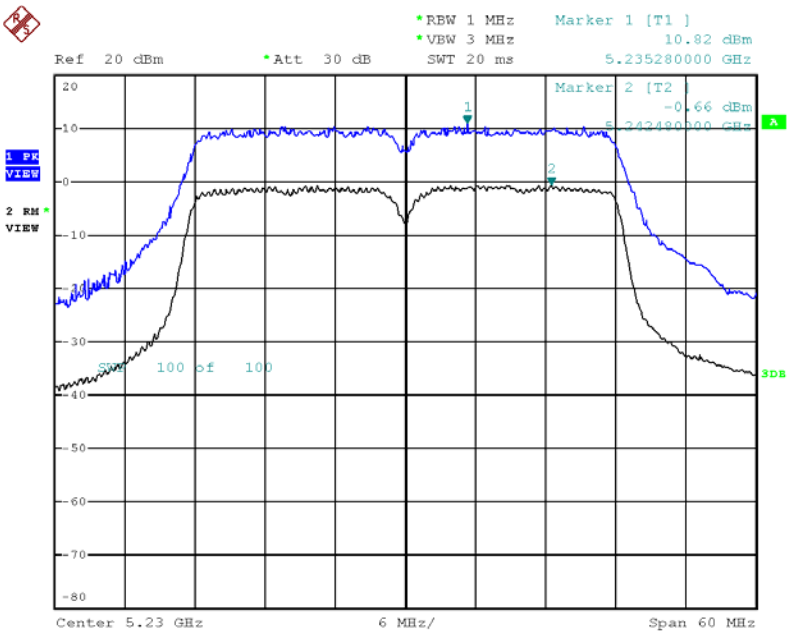
1TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 256QAM(MCS8) / 5240 MHz



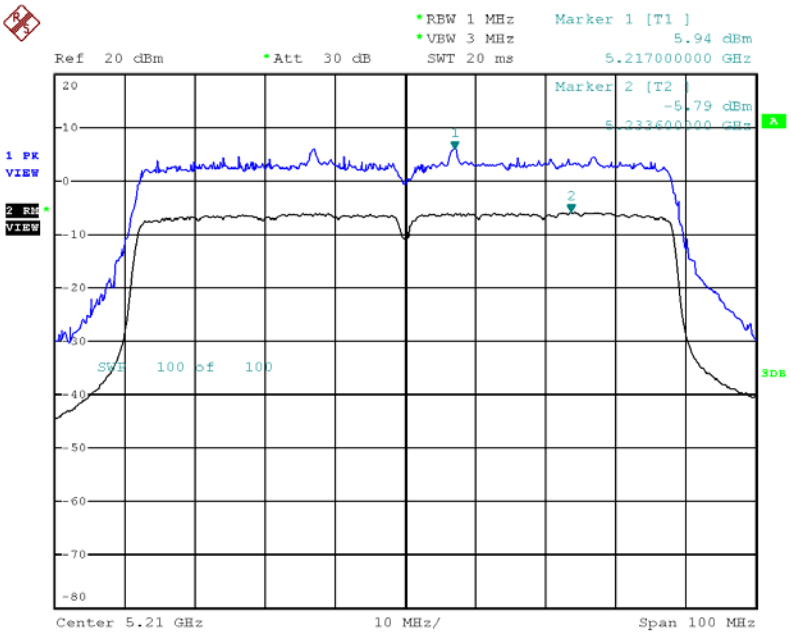
Date: 6.MAY.2013 13:06:35

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 256QAM(MCS8) / 5230 MHz



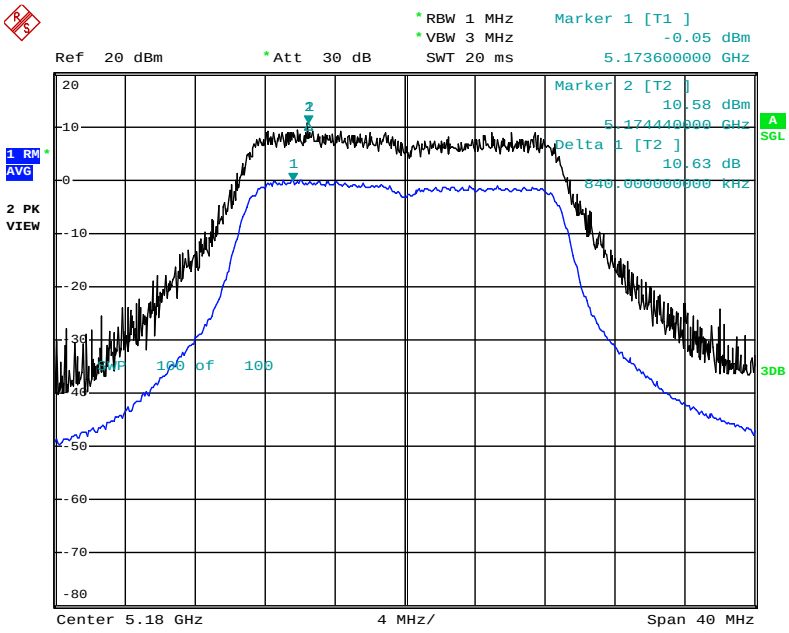
Date: 6.MAY.2013 14:33:50

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5210 MHz



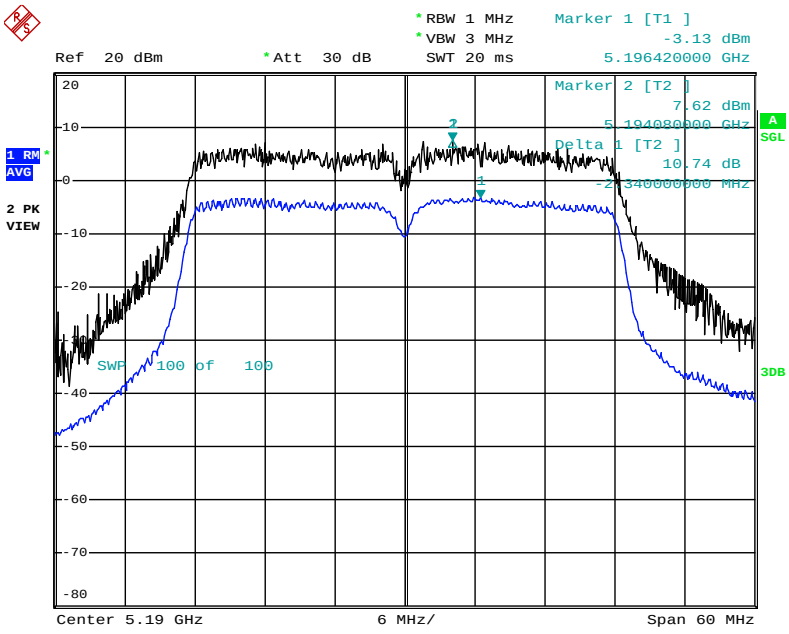
2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5180 MHz



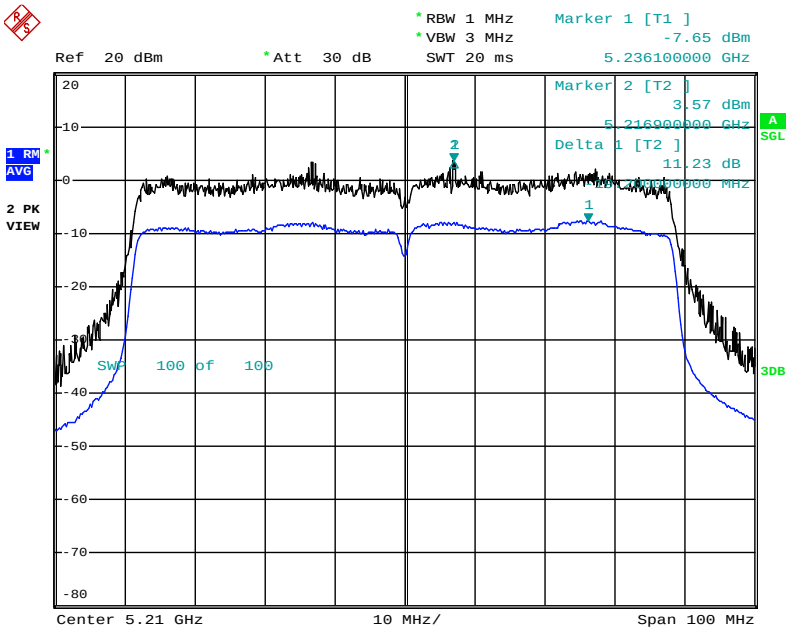
Date: 9.MAY.2013 01:08:00

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5190 MHz

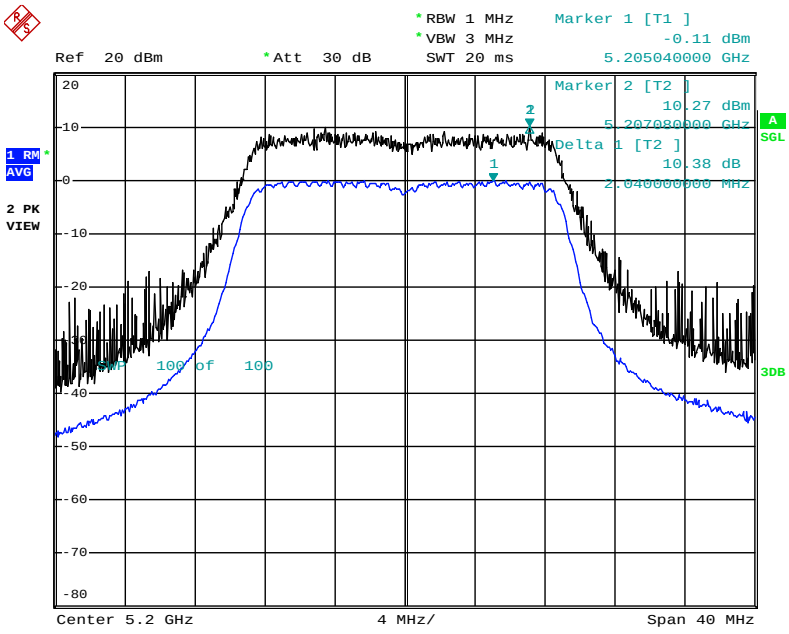


Date: 9.MAY.2013 01:10:45

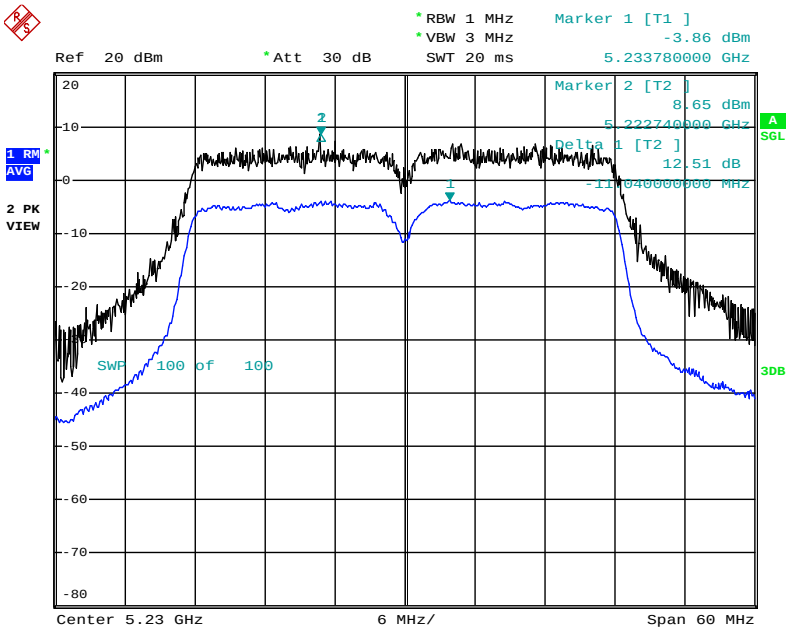
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5210 MHz



Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5200 MHz

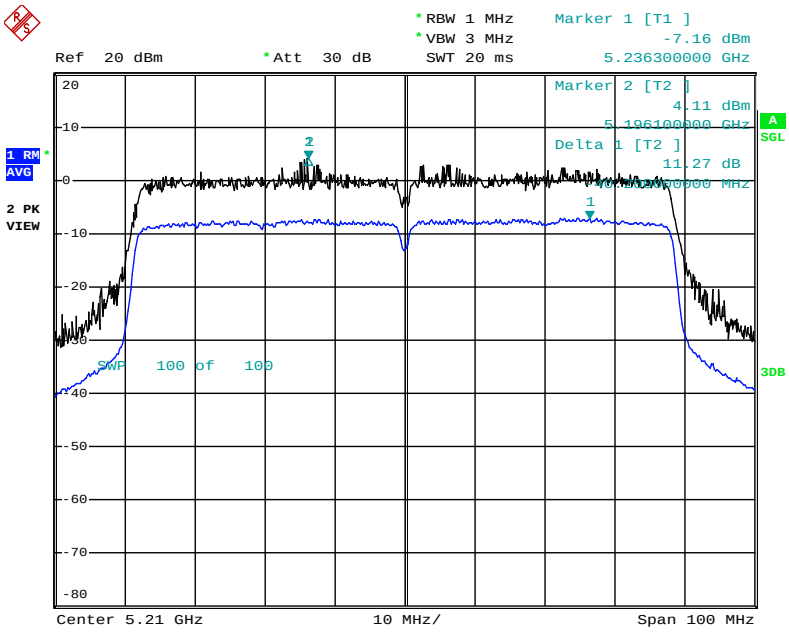


Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5230 MHz



Date: 9.MAY.2013 01:21:19

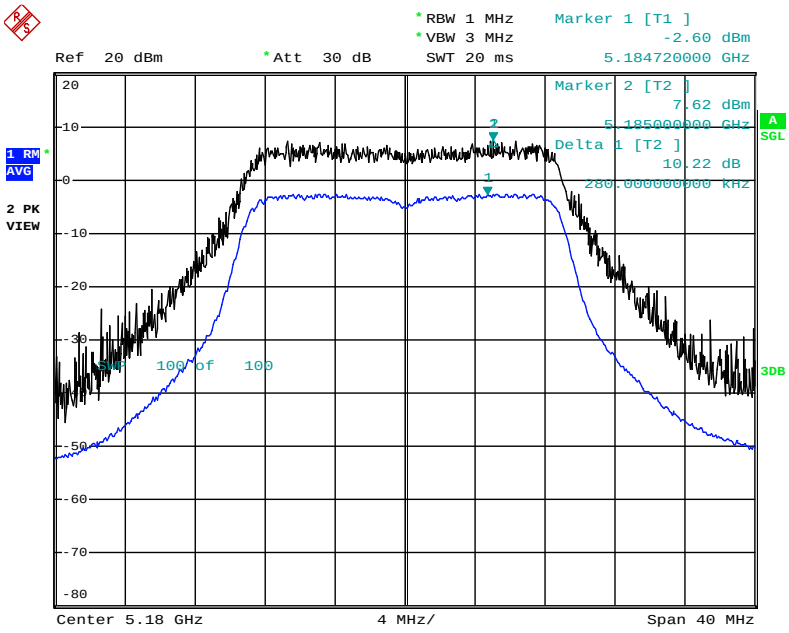
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / QPSK(MCS1) / 5210 MHz



Date: 9.MAY.2013 01:39:09

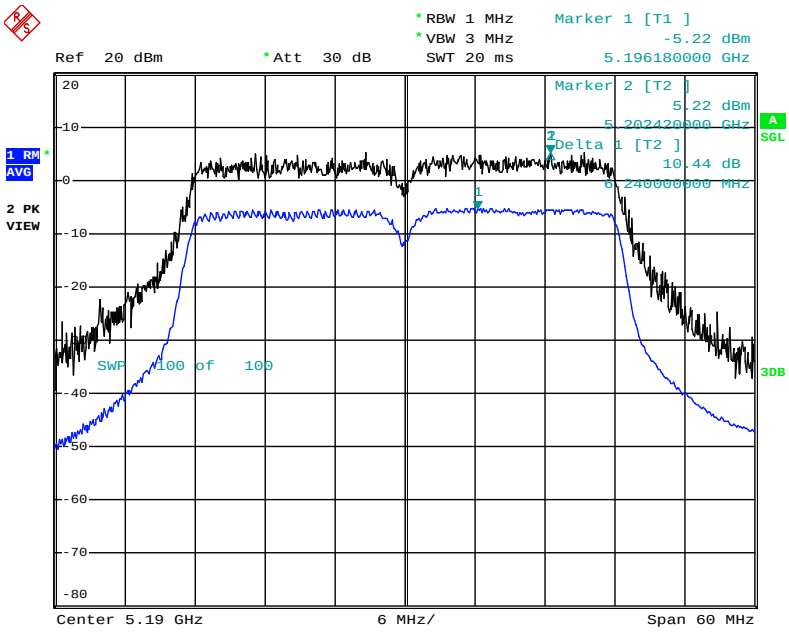
3TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5180 MHz



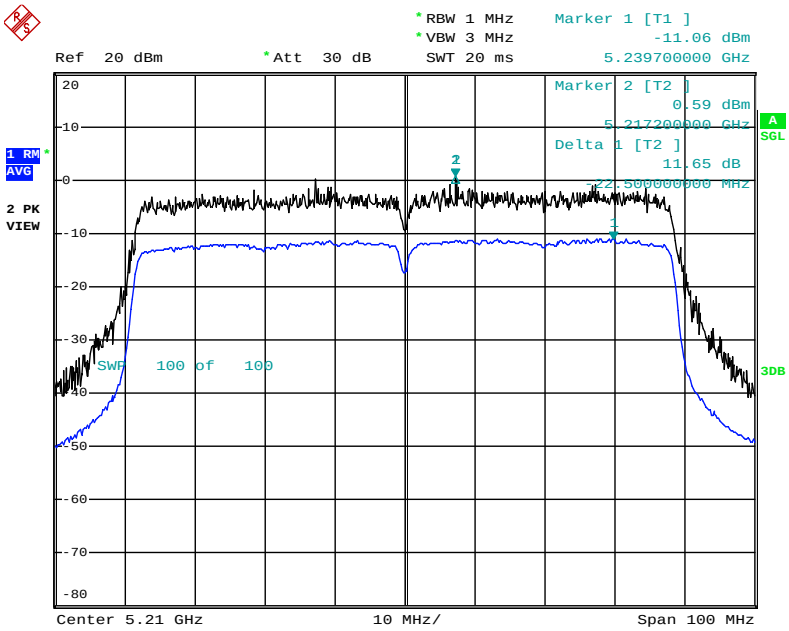
Date: 9.MAY.2013 01:50:40

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5190 MHz

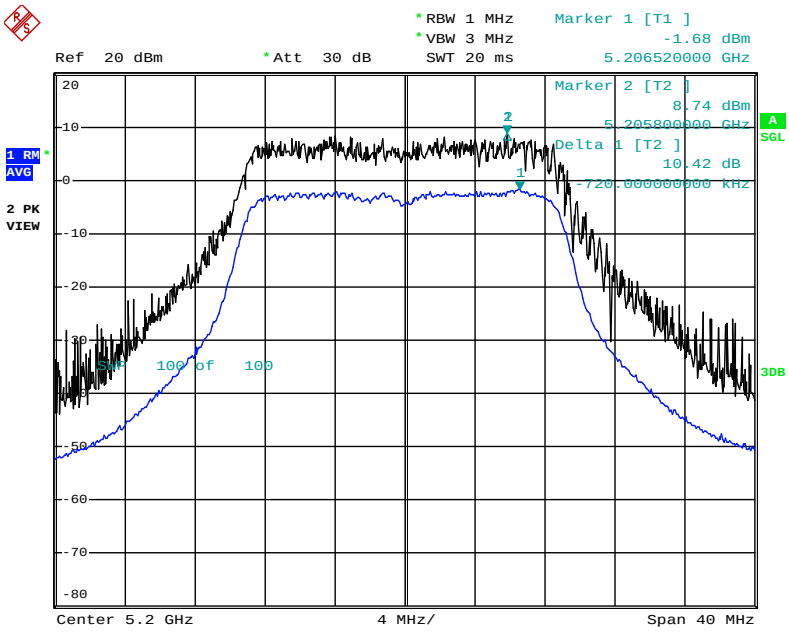


Date: 9.MAY.2013 00:40:51

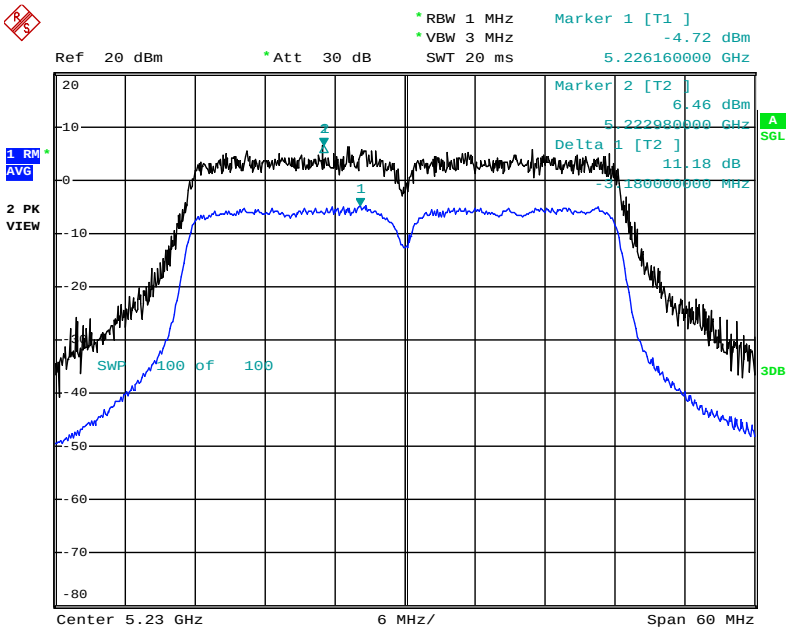
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5210 MHz



Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5200 MHz

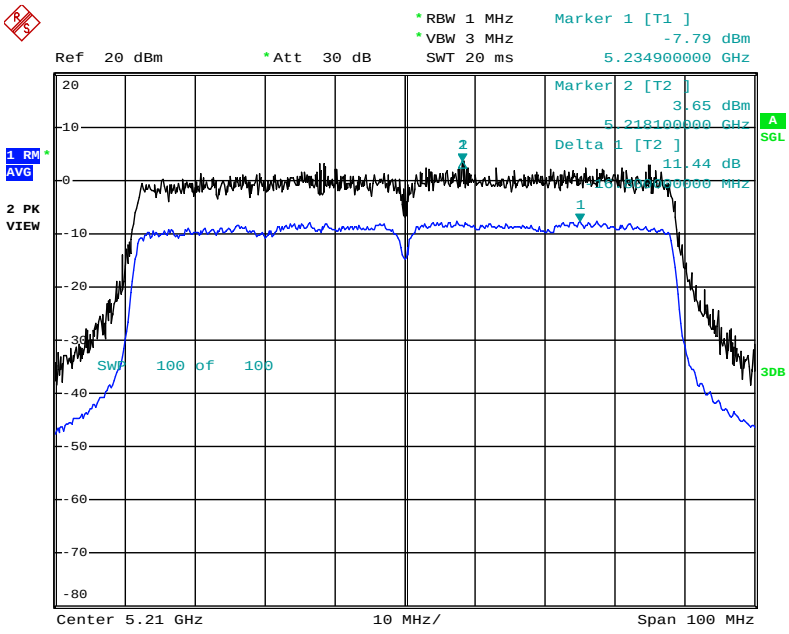


Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5230 MHz



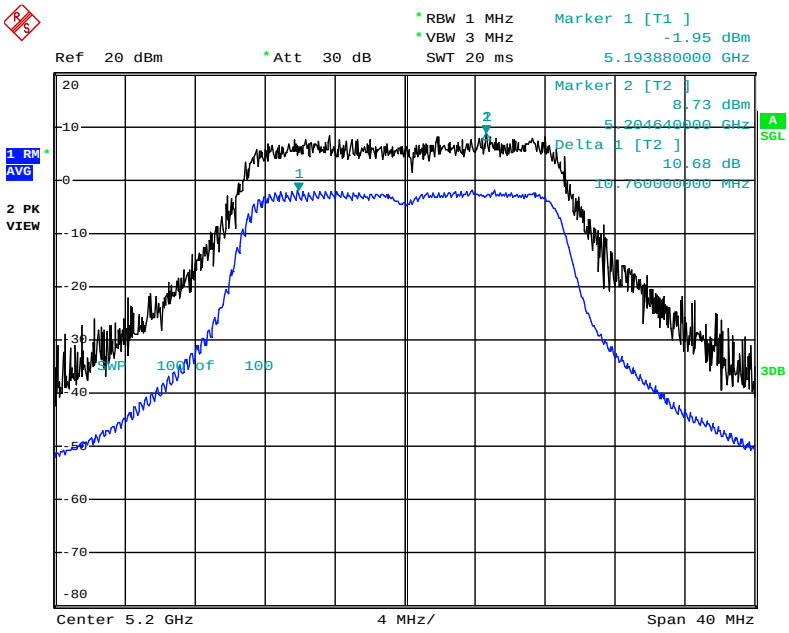
Date: 9.MAY.2013 00:50:34

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5210 MHz



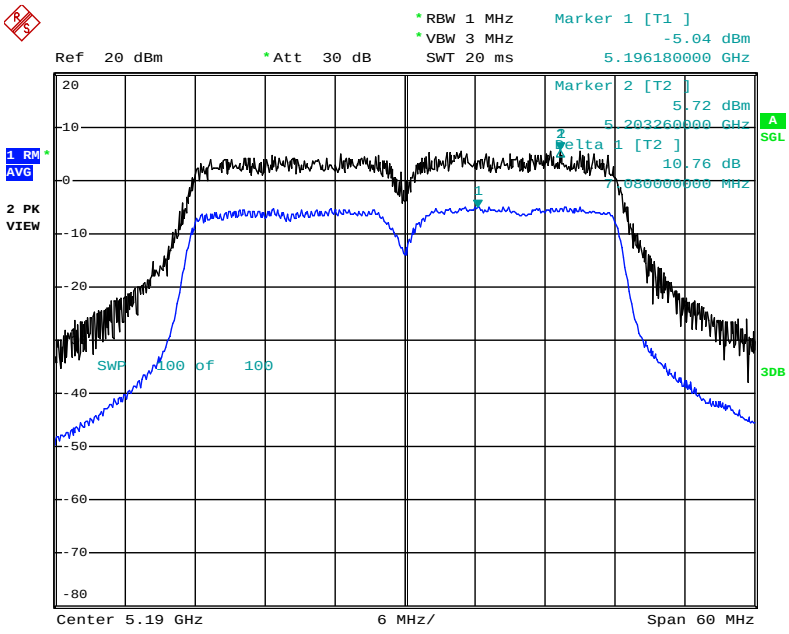
Date: 9.MAY.2013 01:52:50

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5200 MHz



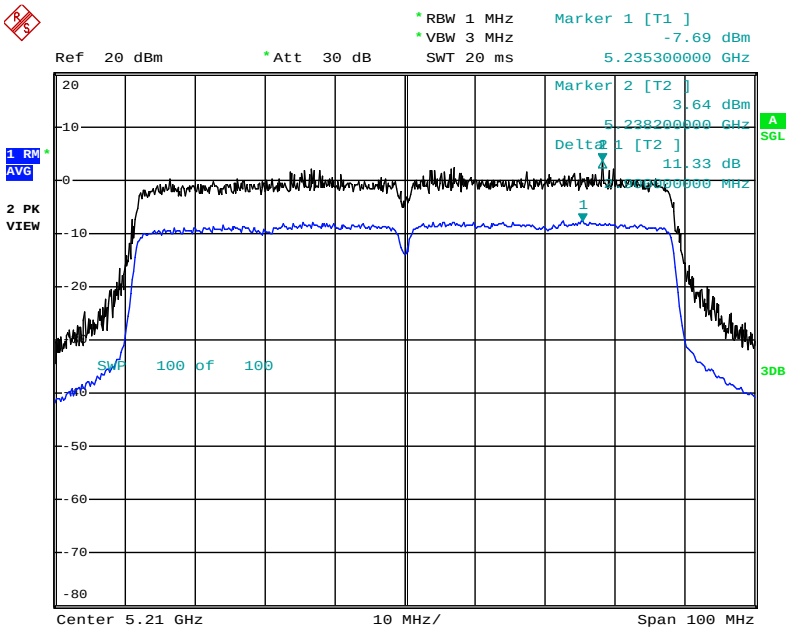
Date: 9.MAY.2013 01:03:34

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5190 MHz



Date: 9.MAY.2013 01:00:51

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / QPSK(MCS1) / 5210 MHz

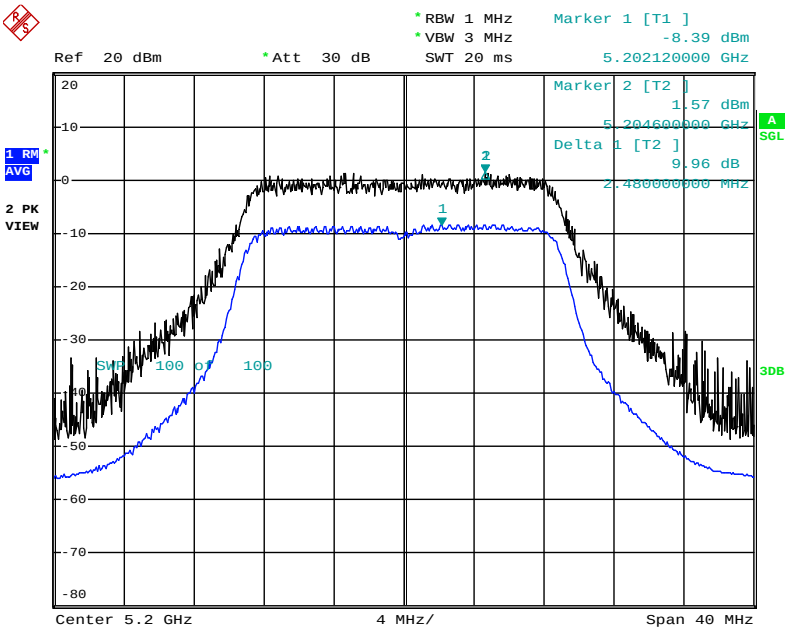


Date: 9.MAY.2013 01:56:05

Mode 6 (Ant.9 Panel antenna / 9.2dBi)

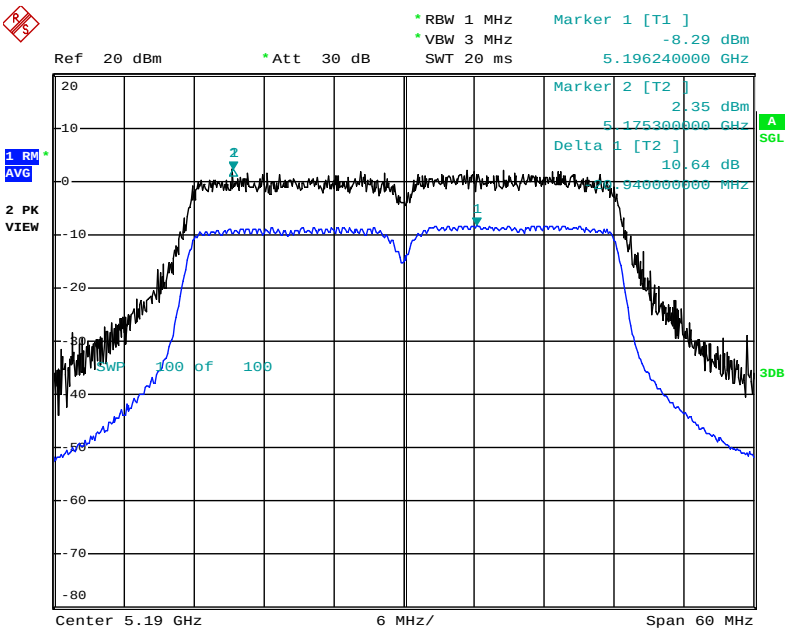
3TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5200 MHz



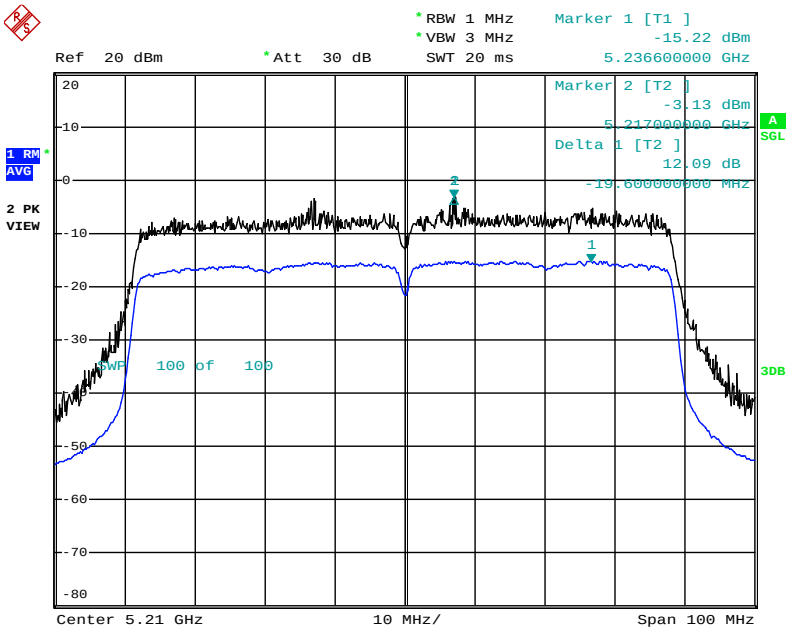
Date: 9.MAY.2013 00:02:57

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5190 MHz



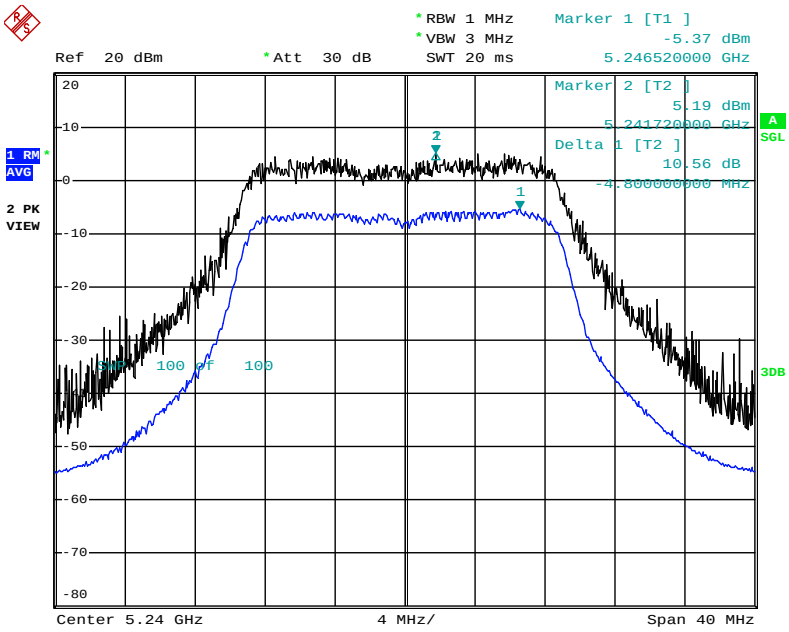
Date: 9.MAY.2013 00:06:11

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5210 MHz



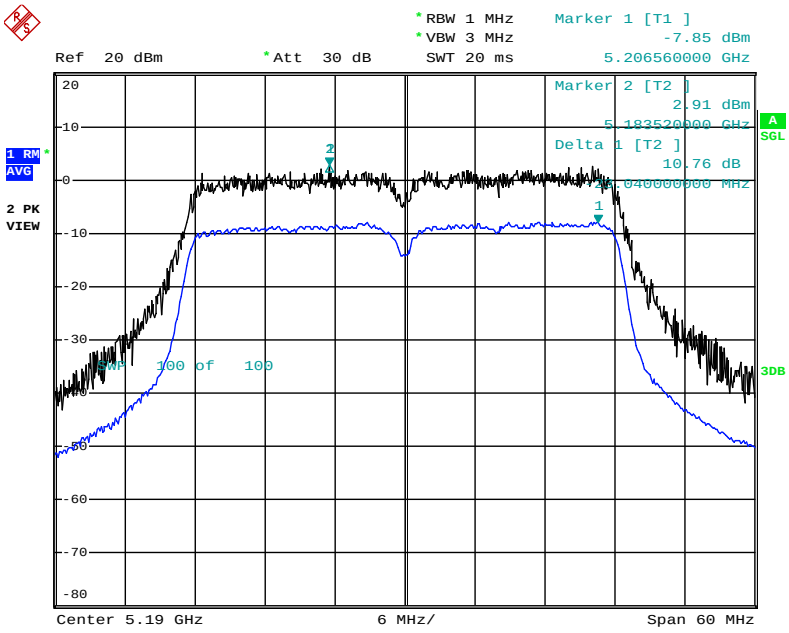
Date: 9.MAY.2013 00:08:27

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5240 MHz



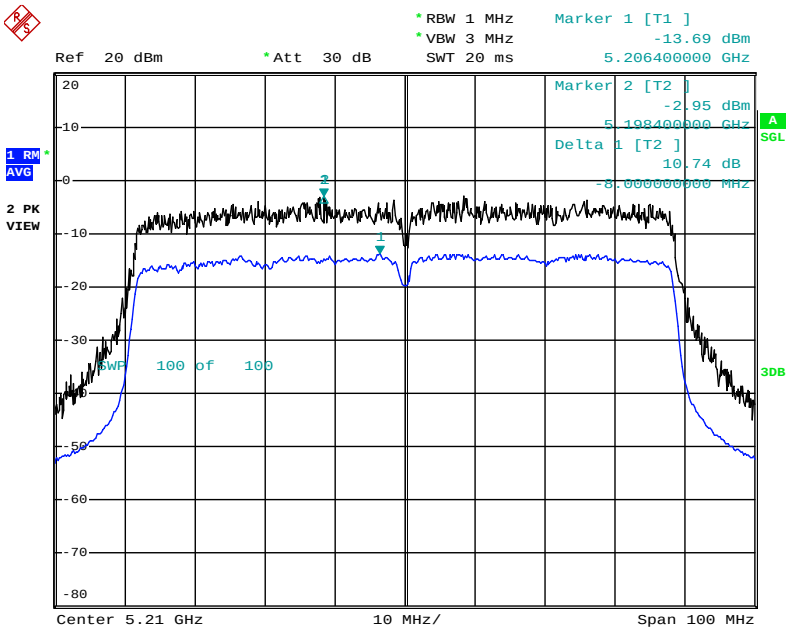
Date: 9.MAY.2013 00:21:45

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5190 MHz



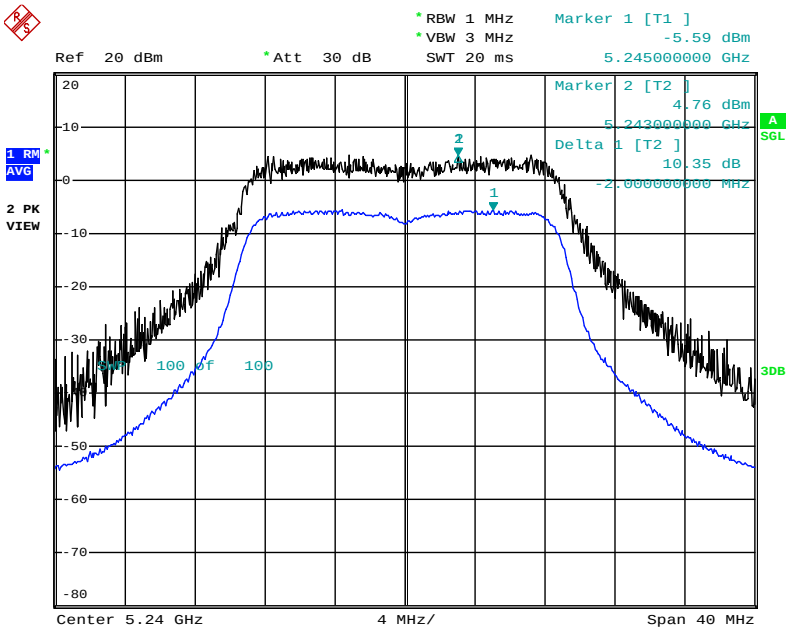
Date: 9.MAY.2013 00:16:29

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5210 MHz



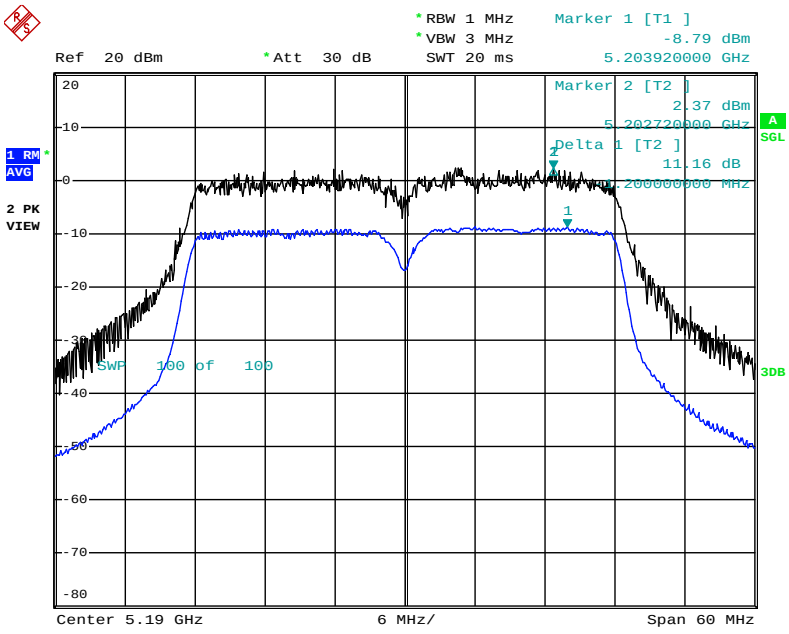
Date: 9.MAY.2013 00:12:52

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5240 MHz



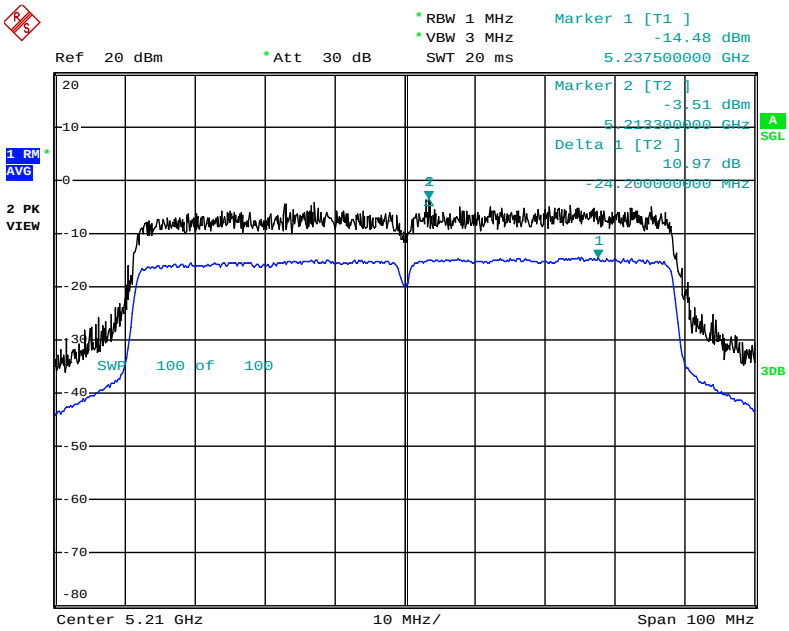
Date: 9.MAY.2013 00:25:26

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5190 MHz



Date: 9.MAY.2013 00:28:27

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / BSPK(MCS0) / 5210 MHz

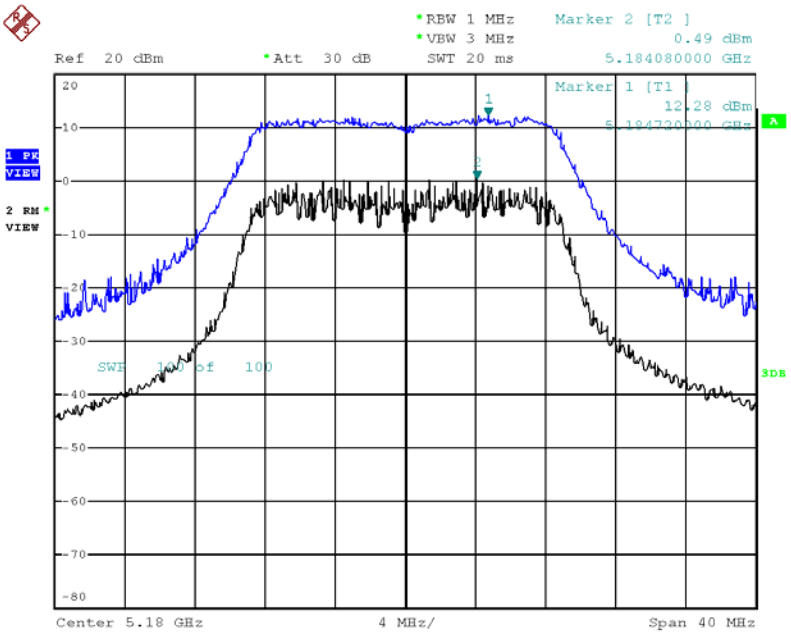


Date: 9.MAY.2013 00:30:09

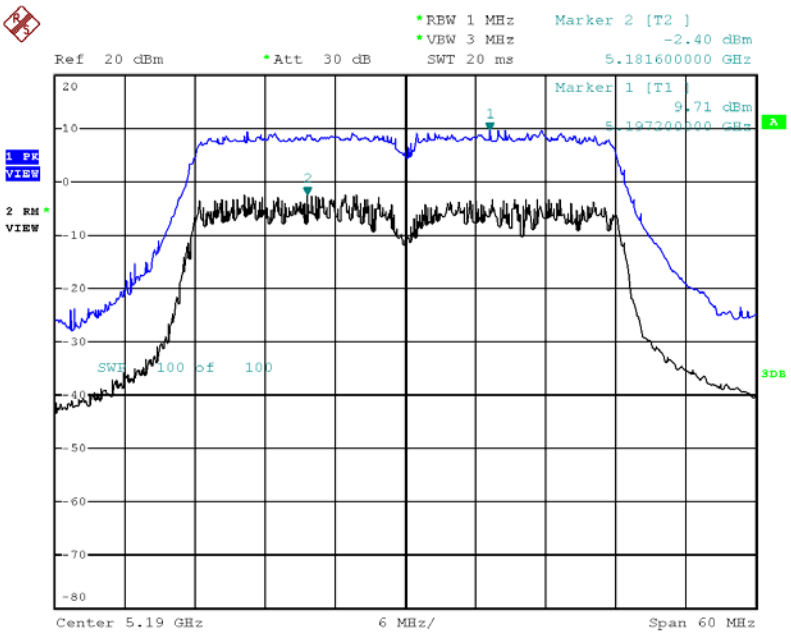
Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

1TX

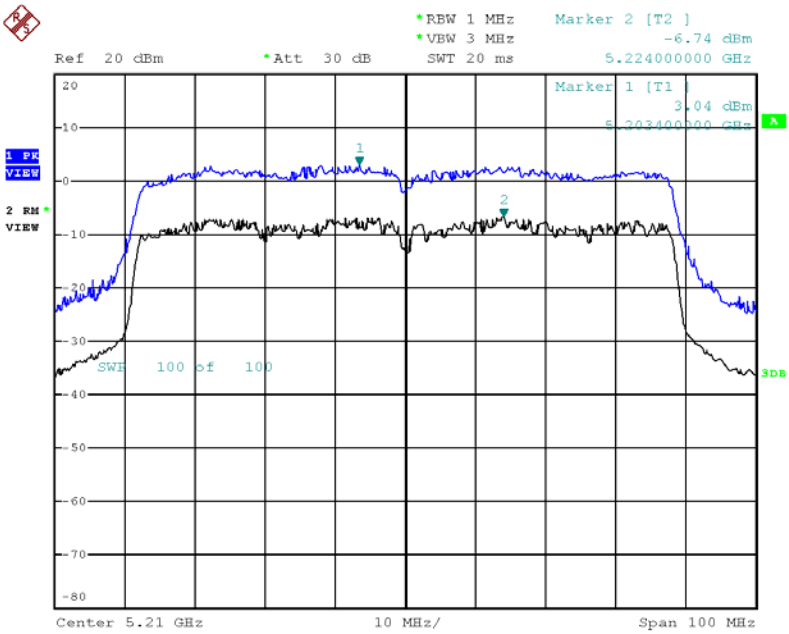
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 256QAM(MCS8) / 5180 MHz



Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 16QAM(MCS3) / 5190 MHz



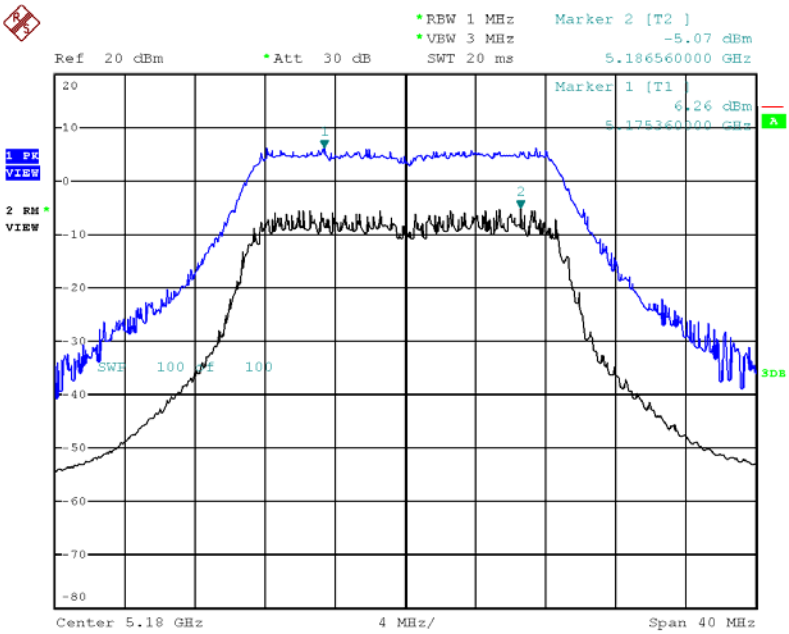
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5210 MHz



Date: 7.JUL.2013 19:01:34

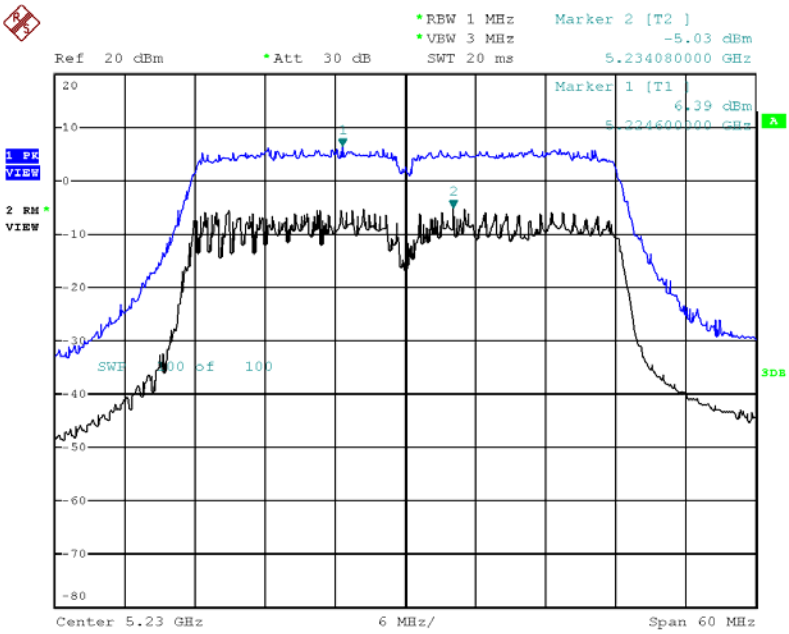
2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 64QAM(MCS5) / 5180 MHz



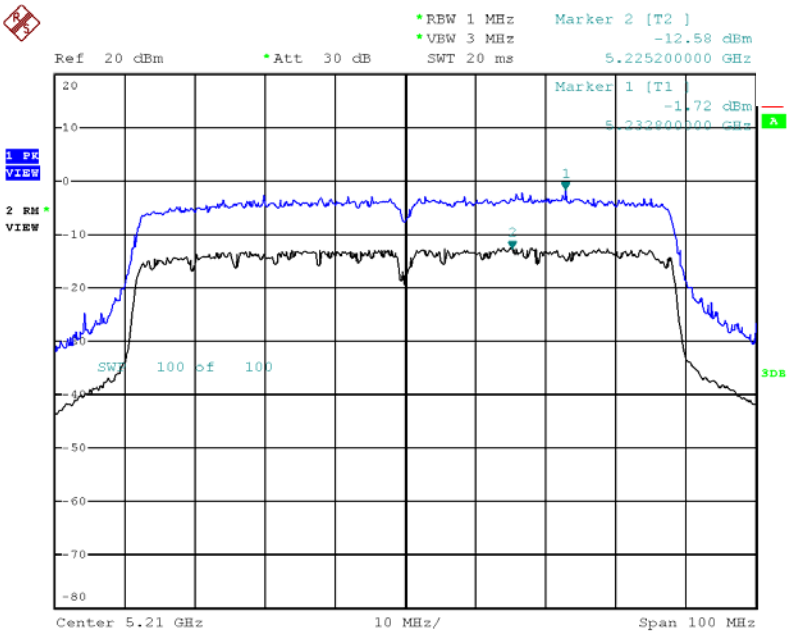
Date: 9.JUL.2013 00:59:23

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5230 MHz



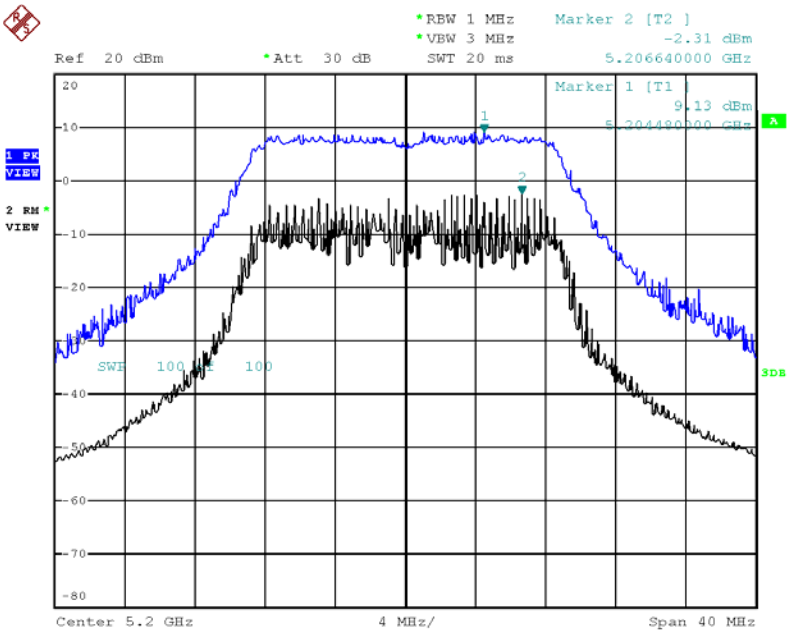
Date: 9.JUL.2013 01:15:32

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / BSPK(MCS0) / 5210 MHz



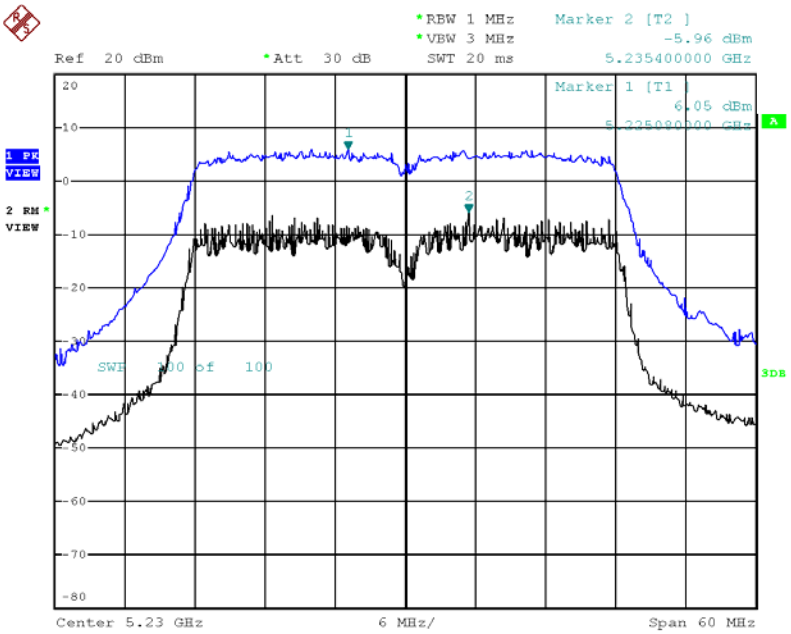
Date: 9.JUL.2013 01:31:51

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5200 MHz



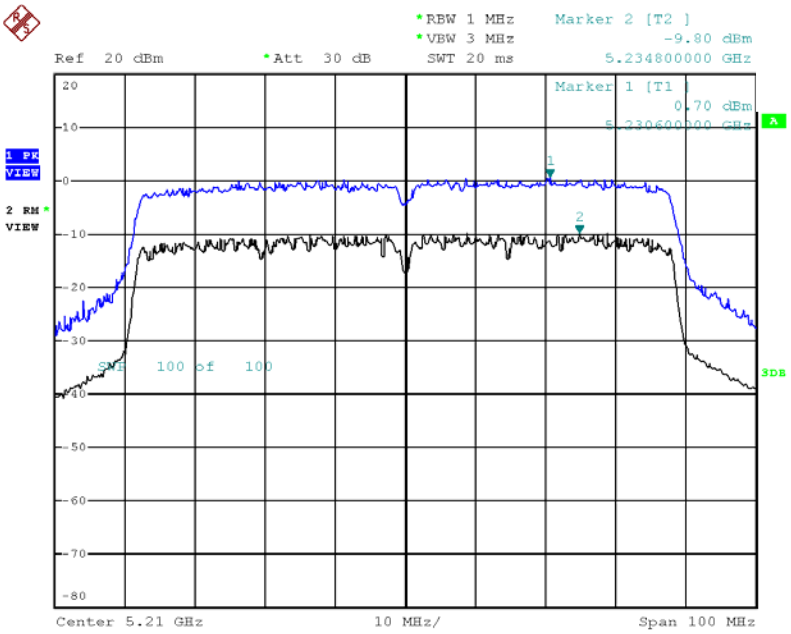
Date: 9.JUL.2013 01:54:19

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 16QAM(MCS3) / 5230 MHz



Date: 9.JUL.2013 02:10:42

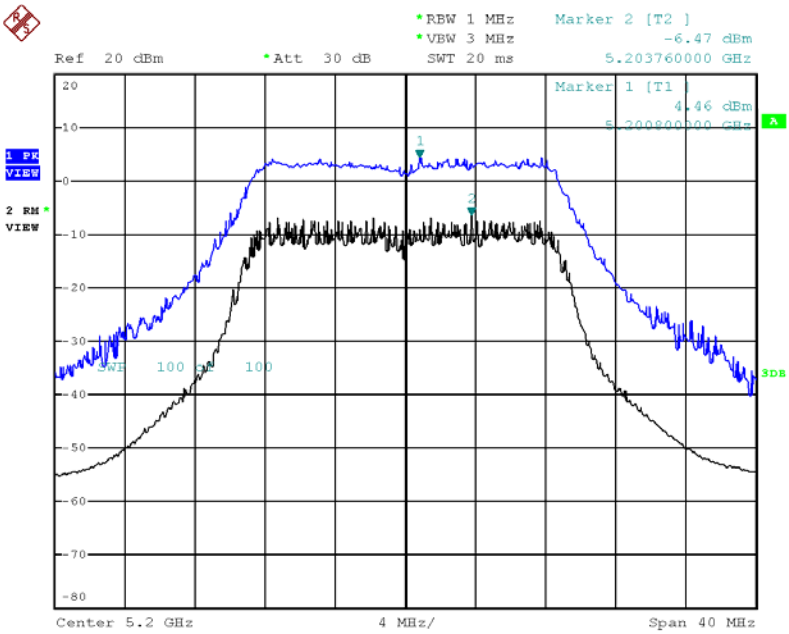
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 256QAM(MCS8) / 5210 MHz



Date: 9.JUL.2013 02:30:01

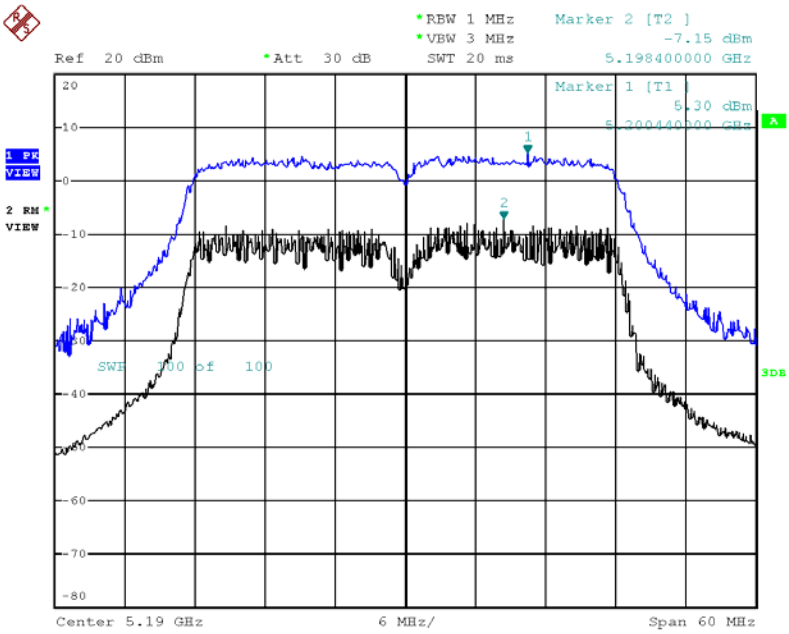
3TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5200 MHz



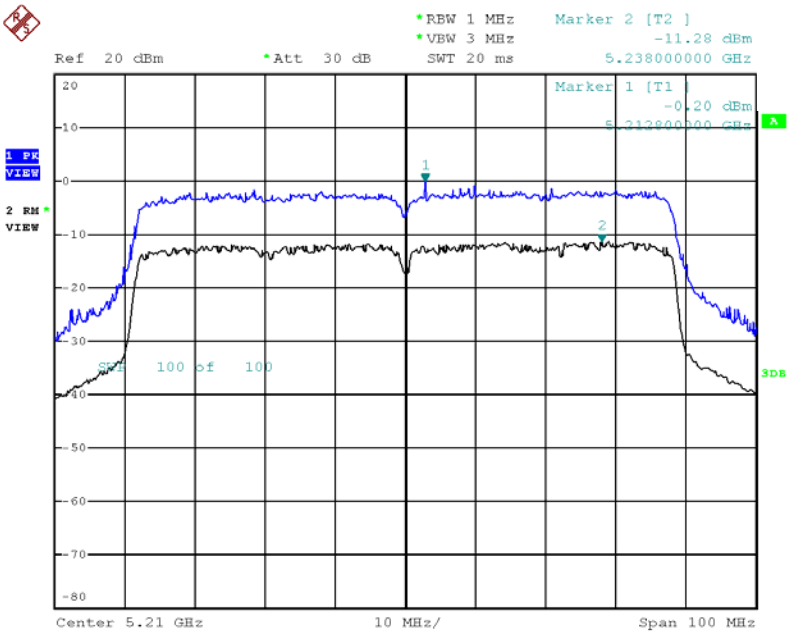
Date: 9.JUL.2013 19:06:59

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5190 MHz



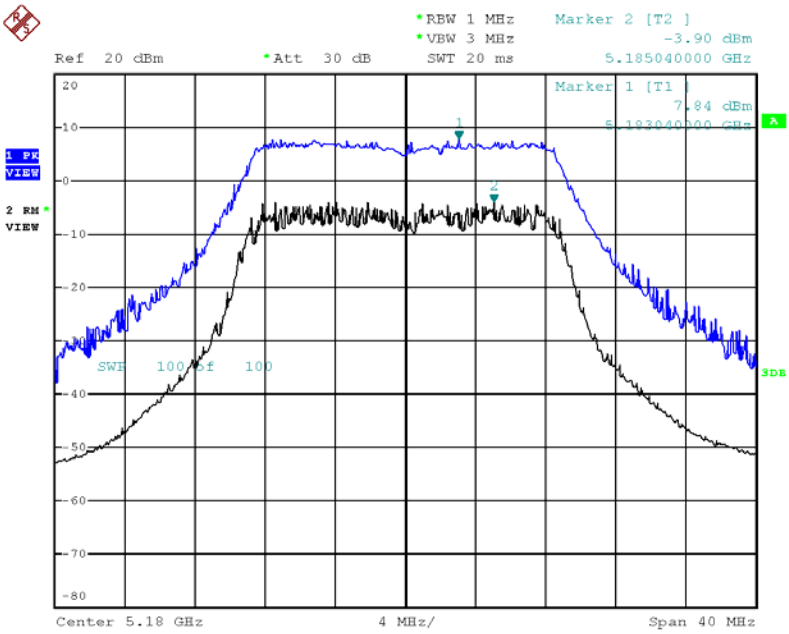
Date: 9.JUL.2013 19:28:21

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5210 MHz



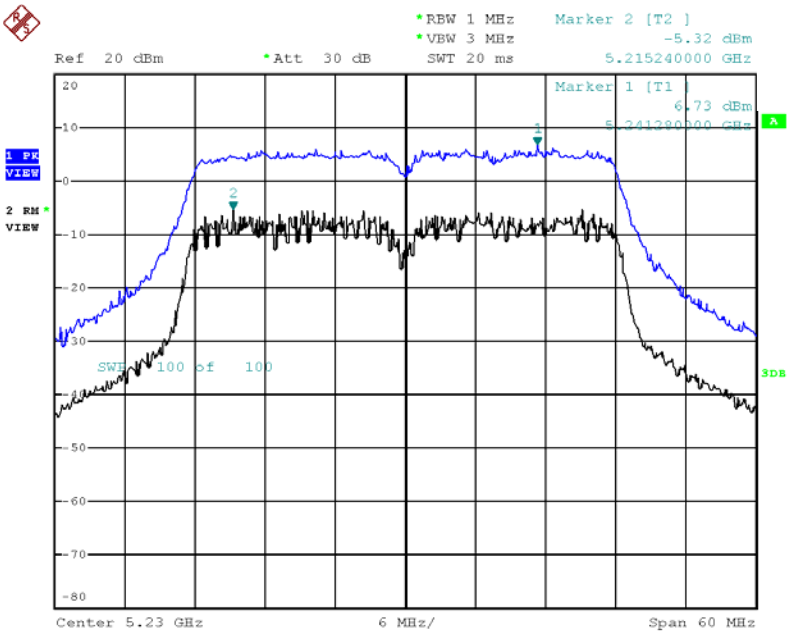
Date: 9.JUL.2013 19:51:00

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5180 MHz



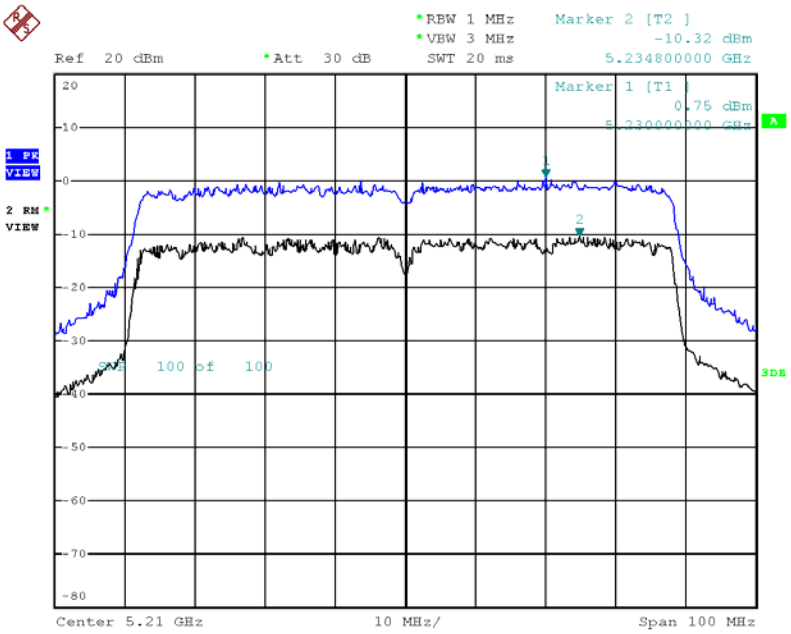
Date: 9.JUL.2013 20:11:47

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5230 MHz



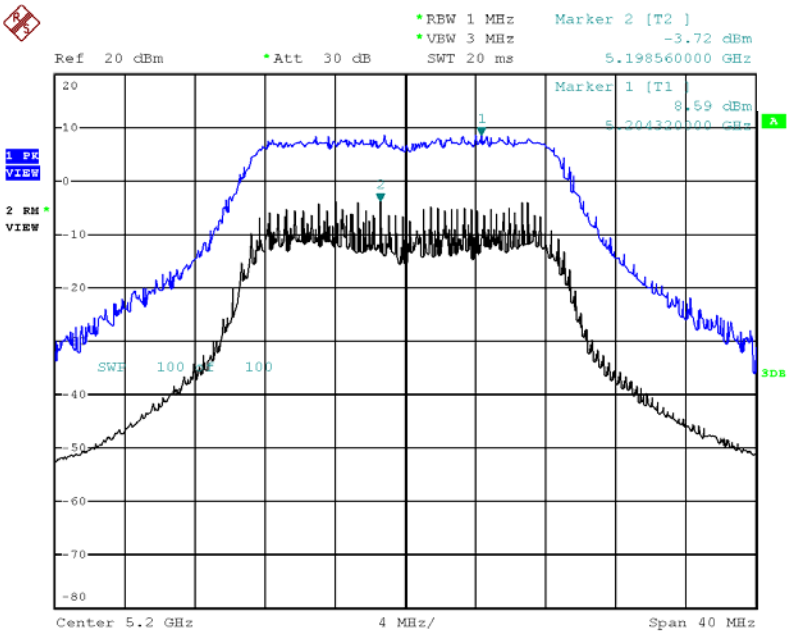
Date: 9.JUL.2013 20:32:35

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 16QAM(MCS3) / 5210 MHz



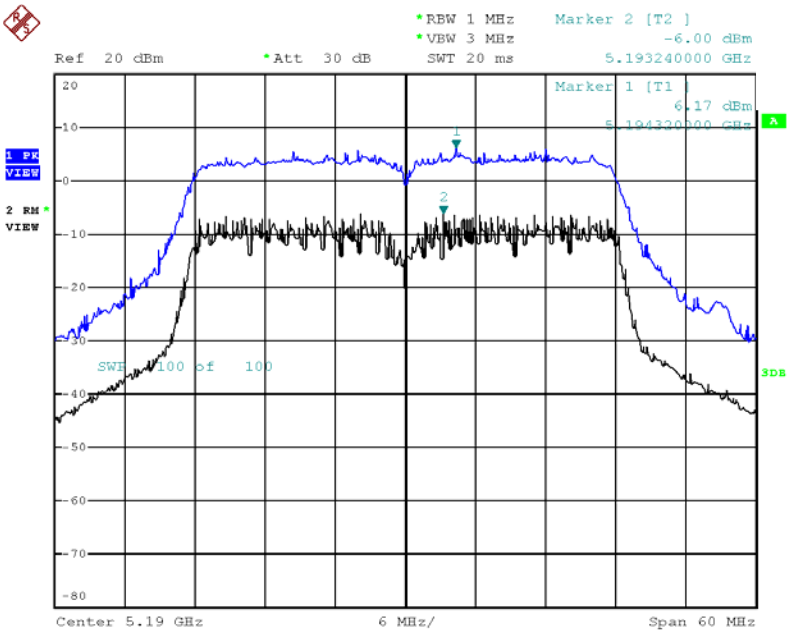
Date: 9.JUL.2013 20:54:09

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 256QAM(MCS8) / 5200 MHz



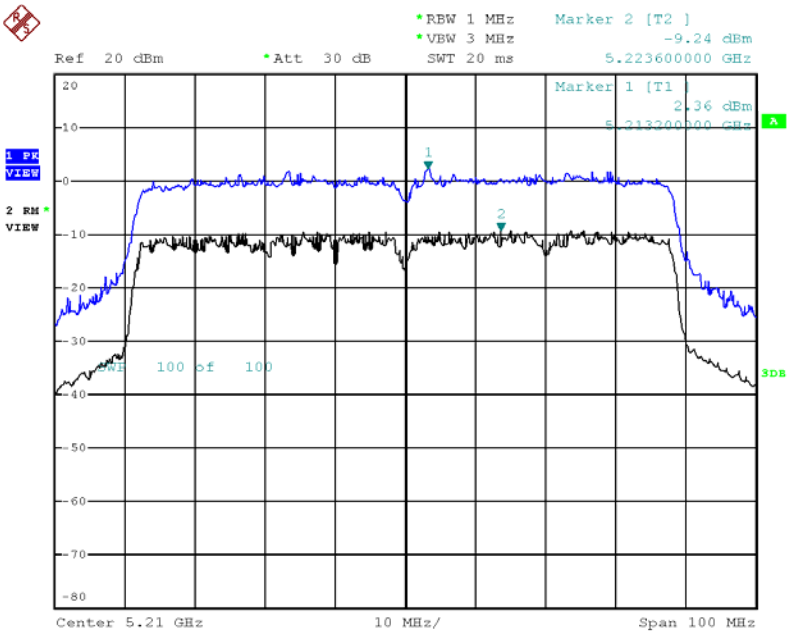
Date: 9.JUL.2013 21:18:33

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5190 MHz



Date: 9.JUL.2013 21:59:15

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 64QAM(MCS5) / 5210 MHz



Date: 9.JUL.2013 22:30:09

4.6. Radiated Emissions Measurement

4.6.1. Limit

For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.25 GHz band shall not exceed a -27dBm peak limit or average 54dBuV/m and peak 74dBuV/m limits. For transmitters operating in the In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/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

4.6.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	40 GHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1 MHz / 10Hz for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for peak

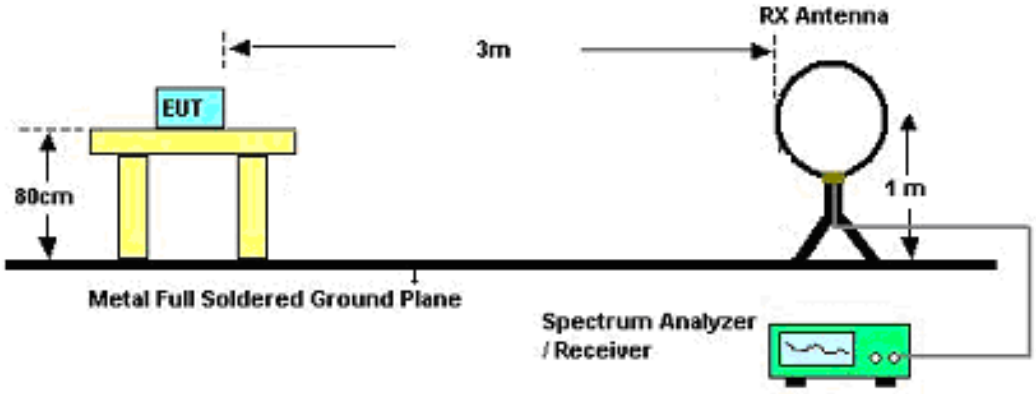
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

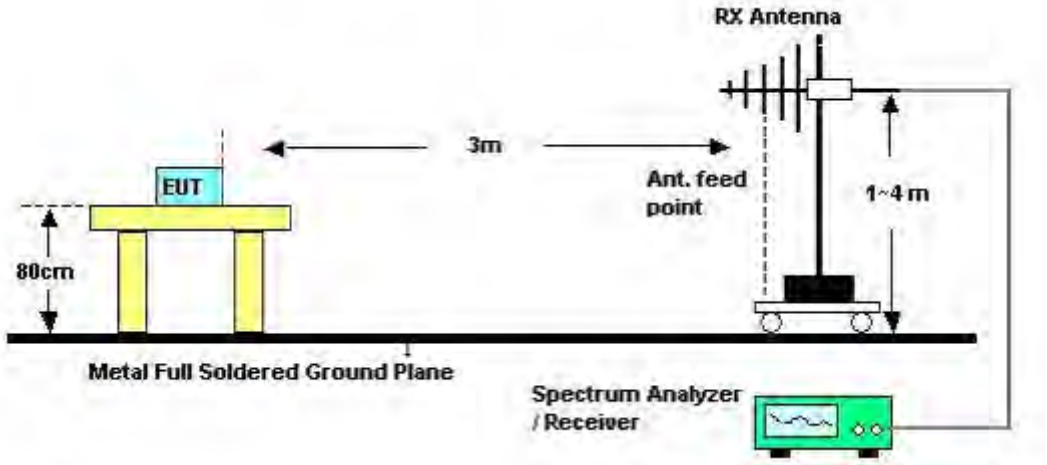
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

4.6.4. Test Setup Layout

For radiated emissions below 1GHz



For radiated emissions above 1GHz



4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.6.7. Results of Radiated Emissions (9kHz~30MHz)

Temperature	24.5℃	Humidity	57%
Test Engineer	Jim Huang	Configurations	CTX
Test Date	May 11, 2013		

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Limit Line (dBuV)	Remark
-	-	-	-	See Note

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

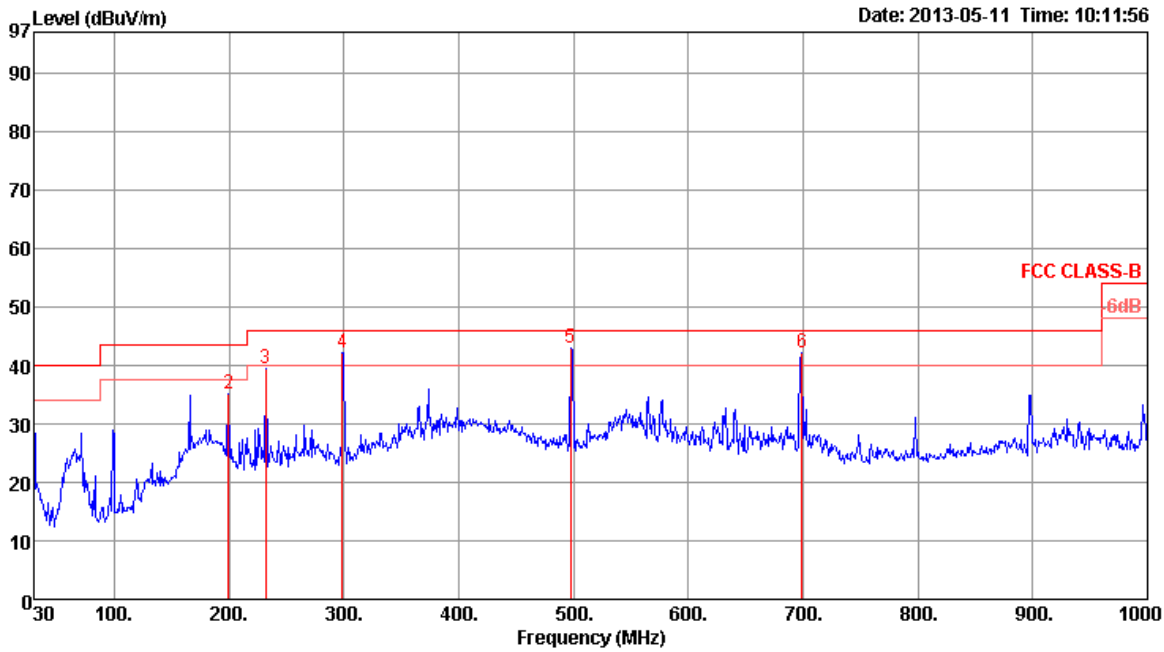
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

4.6.8. Results of Radiated Emissions (30MHz~1GHz)

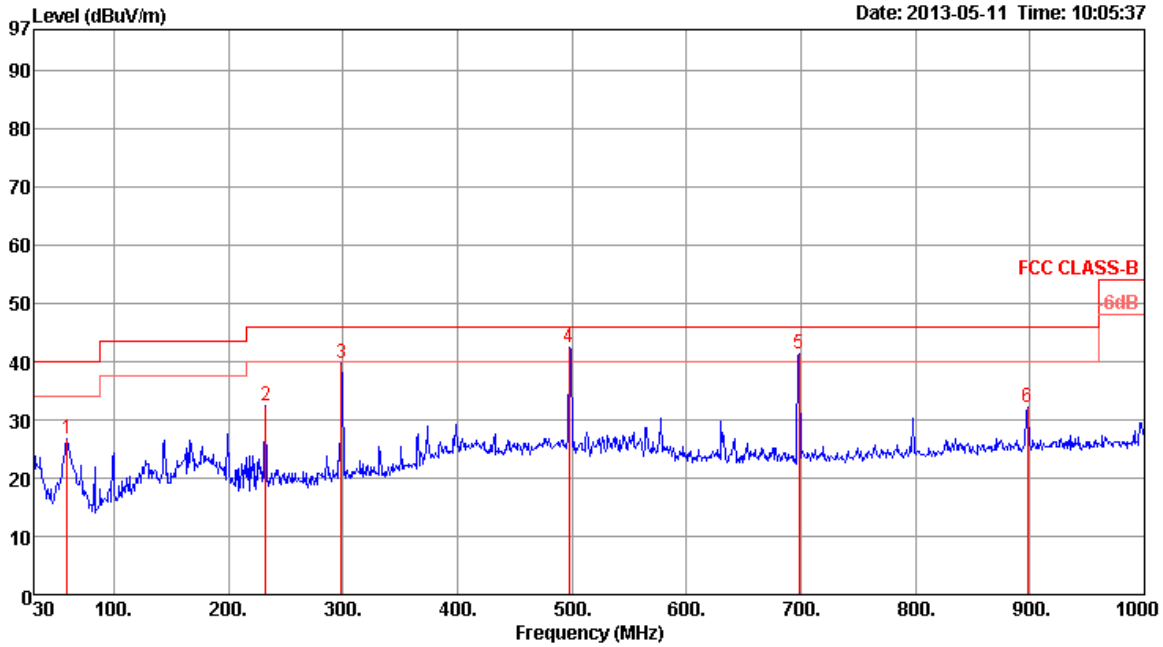
Temperature	24.5°C	Humidity	57%
Test Engineer	Jim Huang	Configurations	CTX

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	30.00	31.84	40.00	-8.16	40.27	0.61	18.76	27.80	Peak	400	0	HORIZONTAL
2	199.75	35.22	43.50	-8.28	51.61	1.66	9.05	27.10	Peak	400	0	HORIZONTAL
3	231.76	39.34	46.00	-6.66	53.23	1.74	11.41	27.04	Peak	400	0	HORIZONTAL
4	298.69	42.12	46.00	-3.88	53.64	2.03	13.35	26.90	Peak	400	0	HORIZONTAL
5	497.54	42.87	46.00	-3.13	50.72	2.66	17.58	28.09	Peak	400	0	HORIZONTAL
6	699.30	42.27	46.00	-3.73	48.08	3.10	19.09	28.00	Peak	400	0	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	59.10	26.81	40.00	-13.19	46.72	0.90	6.95	27.76	Peak	400	0	VERTICAL
2	232.73	32.47	46.00	-13.53	46.28	1.74	11.48	27.03	Peak	400	0	VERTICAL
3	298.69	39.72	46.00	-6.28	51.24	2.03	13.35	26.90	Peak	400	0	VERTICAL
4	497.54	42.35	46.00	-3.65	50.20	2.66	17.58	28.09	Peak	400	0	VERTICAL
5	698.33	41.47	46.00	-4.53	47.29	3.10	19.08	28.00	Peak	400	0	VERTICAL
6	898.15	32.16	46.00	-13.84	35.50	3.54	20.52	27.40	Peak	400	0	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

4.6.9. Results for Radiated Emissions (1GHz~40GHz)

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15541.44	49.96	74.00	-24.04	41.49	6.13	37.65	35.31	Peak	100	228	HORIZONTAL
2	15542.47	37.08	54.00	-16.92	28.61	6.13	37.65	35.31	Average	100	228	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.42	37.39	54.00	-16.61	28.82	6.13	37.73	35.29	Average	100	174	VERTICAL
2	15540.26	50.31	74.00	-23.69	41.80	6.13	37.69	35.31	Peak	100	174	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15594.62	36.98	54.00	-17.02	28.59	6.13	37.60	35.34	Average	100	155	HORIZONTAL
2	15594.84	49.57	74.00	-24.43	41.18	6.13	37.60	35.34	Peak	100	155	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15594.78	49.50	74.00	-24.50	41.11	6.13	37.60	35.34	Peak	100	225	VERTICAL
2	15598.56	37.04	54.00	-16.96	28.65	6.13	37.60	35.34	Average	100	225	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15714.97	50.10	74.00	-23.90	41.86	6.14	37.48	35.38	Peak	100	315	HORIZONTAL
2	15717.60	38.60	54.00	-15.40	30.37	6.14	37.48	35.39	Average	100	315	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15713.81	37.62	54.00	-16.38	29.38	6.14	37.48	35.38	Average	100	208	HORIZONTAL
2	15713.88	49.80	74.00	-24.20	41.56	6.14	37.48	35.38	Peak	100	208	HORIZONTAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15572.98	36.72	54.00	-17.28	28.31	6.13	37.61	35.33	Average	100	170	HORIZONTAL
2	15579.81	50.13	74.00	-23.87	41.72	6.13	37.61	35.33	Peak	100	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15572.92	36.89	54.00	-17.11	28.48	6.13	37.61	35.33	Average	100	107	VERTICAL
2	15575.35	50.23	74.00	-23.77	41.82	6.13	37.61	35.33	Peak	100	107	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15683.04	49.62	74.00	-24.38	41.34	6.14	37.51	35.37	Peak	100	311	HORIZONTAL
2	15690.10	37.28	54.00	-16.72	29.00	6.14	37.51	35.37	Average	100	311	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.29	50.21	74.00	-23.79	41.93	6.14	37.51	35.37	Peak	100	229	VERTICAL
2	15690.96	37.64	54.00	-16.36	29.37	6.14	37.51	35.38	Average	100	229	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15639.38	37.14	54.00	-16.86	28.79	6.14	37.56	35.35	Average	100	292	HORIZONTAL
2	15642.50	50.49	74.00	-23.51	42.17	6.14	37.54	35.36	Peak	100	292	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15633.45	50.12	74.00	-23.88	41.77	6.14	37.56	35.35	Peak	100	236	VERTICAL
2	15647.63	37.09	54.00	-16.91	28.77	6.14	37.54	35.36	Average	100	236	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.43	49.70	74.00	-24.30	41.19	6.13	37.67	35.29	Peak	100	169	HORIZONTAL
2	15540.54	36.85	54.00	-17.15	28.38	6.13	37.65	35.31	Average	100	169	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.24	49.83	74.00	-24.17	41.26	6.13	37.73	35.29	Peak	100	233	VERTICAL
2	15539.84	36.88	54.00	-17.12	28.37	6.13	37.69	35.31	Average	100	233	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15602.95	50.49	74.00	-23.51	42.10	6.13	37.60	35.34	Peak	100	126	HORIZONTAL
2	15603.25	36.64	54.00	-17.36	28.25	6.13	37.60	35.34	Average	100	126	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.82	49.62	74.00	-24.38	41.23	6.13	37.60	35.34	Peak	100	197	VERTICAL
2	15602.84	36.53	54.00	-17.47	28.14	6.13	37.60	35.34	Average	100	197	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.91	49.59	74.00	-24.41	41.36	6.14	37.48	35.39	Peak	100	271	HORIZONTAL
2	15724.82	36.76	54.00	-17.24	28.53	6.14	37.48	35.39	Average	100	271	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.31	36.72	54.00	-17.28	28.49	6.14	37.48	35.39	Average	100	189	VERTICAL
2	15718.14	50.03	74.00	-23.97	41.80	6.14	37.48	35.39	Peak	100	189	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15563.81	49.44	74.00	-24.56	41.01	6.13	37.63	35.33	Peak	100	168	HORIZONTAL
2	15576.22	36.37	54.00	-17.63	27.96	6.13	37.61	35.33	Average	100	168	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.28	36.63	54.00	-17.37	28.18	6.13	37.65	35.33	Average	100	98	VERTICAL
2	15567.34	49.36	74.00	-24.64	40.91	6.13	37.65	35.33	Peak	100	98	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15691.70	36.82	54.00	-17.18	28.57	6.14	37.49	35.38	Average	100	249	HORIZONTAL
2	15693.27	50.40	74.00	-23.60	42.15	6.14	37.49	35.38	Peak	100	249	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15691.54	49.26	74.00	-24.74	41.01	6.14	37.49	35.38	Peak	100	187	VERTICAL
2	15691.86	36.86	54.00	-17.14	28.61	6.14	37.49	35.38	Average	100	187	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15625.88	36.60	54.00	-17.40	28.25	6.14	37.56	35.35	Average	100	192	HORIZONTAL
2	15633.48	49.60	74.00	-24.40	41.25	6.14	37.56	35.35	Peak	100	192	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15625.29	49.92	74.00	-24.08	41.57	6.14	37.56	35.35	Peak	100	250	VERTICAL
2	15631.55	36.87	54.00	-17.13	28.52	6.14	37.56	35.35	Average	100	250	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.32	36.83	54.00	-17.17	28.32	6.13	37.67	35.29	Average	100	201	HORIZONTAL
2	15542.47	49.39	74.00	-24.61	40.92	6.13	37.65	35.31	Peak	100	201	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.00	37.10	54.00	-16.90	28.53	6.13	37.73	35.29	Average	100	287	VERTICAL
2	15534.46	50.02	74.00	-23.98	41.45	6.13	37.73	35.29	Peak	100	287	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15604.90	37.17	54.00	-16.83	28.78	6.13	37.60	35.34	Average	100	37	HORIZONTAL
2	15609.62	49.71	74.00	-24.29	41.34	6.13	37.58	35.34	Peak	100	37	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15594.17	52.05	74.00	-21.95	43.66	6.13	37.60	35.34	Peak	100	74	VERTICAL
2	15601.22	39.02	54.00	-14.98	30.63	6.13	37.60	35.34	Average	100	74	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15713.01	38.36	54.00	-15.64	30.12	6.14	37.48	35.38	Average	100	72	HORIZONTAL
2	15728.49	51.80	74.00	-22.20	43.59	6.14	37.46	35.39	Peak	100	72	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15714.74	52.94	74.00	-21.06	44.70	6.14	37.48	35.38	Peak	103	72	VERTICAL
2	15718.46	40.34	54.00	-13.66	32.11	6.14	37.48	35.39	Average	103	72	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15545.16	37.06	54.00	-16.94	28.59	6.13	37.65	35.31	Average	100	158	HORIZONTAL
2	15593.40	49.39	74.00	-24.61	41.00	6.13	37.60	35.34	Peak	100	158	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.64	49.60	74.00	-24.40	41.15	6.13	37.65	35.33	Peak	100	209	VERTICAL
2	15576.49	36.97	54.00	-17.03	28.56	6.13	37.61	35.33	Average	100	209	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.96	38.06	54.00	-15.94	29.79	6.14	37.51	35.38	Average	100	13	HORIZONTAL
2	15701.38	49.76	74.00	-24.24	41.51	6.14	37.49	35.38	Peak	100	13	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15692.29	50.54	74.00	-23.46	42.29	6.14	37.49	35.38	Peak	100	121	VERTICAL
2	15695.05	37.40	54.00	-16.60	29.15	6.14	37.49	35.38	Average	100	121	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15633.17	49.55	74.00	-24.45	41.20	6.14	37.56	35.35	Peak	100	309	HORIZONTAL
2	15634.33	36.80	54.00	-17.20	28.45	6.14	37.56	35.35	Average	100	309	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15635.32	49.93	74.00	-24.07	41.58	6.14	37.56	35.35	Peak	100	249	VERTICAL
2	15636.44	36.84	54.00	-17.16	28.49	6.14	37.56	35.35	Average	100	249	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15533.08	50.19	74.00	-23.81	41.68	6.13	37.67	35.29	Peak	100	112	HORIZONTAL
2	15547.12	36.93	54.00	-17.07	28.46	6.13	37.65	35.31	Average	100	112	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.87	49.45	74.00	-24.55	40.94	6.13	37.69	35.31	Peak	100	216	VERTICAL
2	15546.09	37.08	54.00	-16.92	28.57	6.13	37.69	35.31	Average	100	216	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15603.49	49.98	74.00	-24.02	41.59	6.13	37.60	35.34	Peak	100	284	HORIZONTAL
2	15603.72	37.09	54.00	-16.91	28.70	6.13	37.60	35.34	Average	100	284	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15593.81	49.88	74.00	-24.12	41.49	6.13	37.60	35.34	Peak	100	179	VERTICAL
2	15598.08	37.98	54.00	-16.02	29.59	6.13	37.60	35.34	Average	100	179	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15712.31	38.06	54.00	-15.94	29.82	6.14	37.48	35.38	Average	100	59	HORIZONTAL
2	15716.03	49.16	74.00	-24.84	40.92	6.14	37.48	35.38	Peak	100	59	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15710.90	38.15	54.00	-15.85	29.91	6.14	37.48	35.38	Average	100	174	VERTICAL
2	15713.01	50.23	74.00	-23.77	41.99	6.14	37.48	35.38	Peak	100	174	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15561.15	49.78	74.00	-24.22	41.33	6.13	37.63	35.31	Peak	100	250	HORIZONTAL
2	15578.14	37.06	54.00	-16.94	28.65	6.13	37.61	35.33	Average	100	250	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15561.96	49.50	74.00	-24.50	41.03	6.13	37.65	35.31	Peak	100	141	VERTICAL
2	15569.74	37.16	54.00	-16.84	28.71	6.13	37.65	35.33	Average	100	141	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.01	49.90	74.00	-24.10	41.62	6.14	37.51	35.37	Peak	100	206	HORIZONTAL
2	15694.81	37.57	54.00	-16.43	29.32	6.14	37.49	35.38	Average	100	206	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15691.22	38.01	54.00	-15.99	29.76	6.14	37.49	35.38	Average	100	81	VERTICAL
2	15691.28	50.89	74.00	-23.11	42.64	6.14	37.49	35.38	Peak	100	81	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15624.84	36.96	54.00	-17.04	28.61	6.14	37.56	35.35	Average	100	221	HORIZONTAL
2	15624.90	50.61	74.00	-23.39	42.26	6.14	37.56	35.35	Peak	100	221	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15624.84	36.96	54.00	-17.04	28.61	6.14	37.56	35.35	Average	100	221	HORIZONTAL
2	15624.90	50.61	74.00	-23.39	42.26	6.14	37.56	35.35	Peak	100	221	HORIZONTAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15515.64	50.58	74.00	-23.42	42.06	6.13	37.68	35.29	Peak	100	319	HORIZONTAL
2	15523.17	37.52	54.00	-16.48	29.01	6.13	37.67	35.29	Average	100	319	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15526.46	37.63	54.00	-16.37	29.06	6.13	37.73	35.29	Average	100	259	VERTICAL
2	15541.20	51.55	74.00	-22.45	43.04	6.13	37.69	35.31	Peak	100	259	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15605.19	37.31	54.00	-16.69	28.92	6.13	37.60	35.34	Average	100	270	HORIZONTAL
2	15608.91	49.93	74.00	-24.07	41.56	6.13	37.58	35.34	Peak	100	270	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15607.13	37.50	54.00	-16.50	29.13	6.13	37.58	35.34	Average	100	143	VERTICAL
2	15610.66	50.04	74.00	-23.96	41.67	6.13	37.58	35.34	Peak	100	143	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15715.99	50.27	74.00	-23.73	42.03	6.14	37.48	35.38	Peak	100	216	HORIZONTAL
2	15722.21	37.49	54.00	-16.51	29.26	6.14	37.48	35.39	Average	100	216	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.83	38.11	54.00	-15.89	29.88	6.14	37.48	35.39	Average	100	122	VERTICAL
2	15720.22	49.69	74.00	-24.31	41.46	6.14	37.48	35.39	Peak	100	122	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15571.38	49.71	74.00	-24.29	41.28	6.13	37.63	35.33	Peak	100	267	HORIZONTAL
2	15579.87	36.82	54.00	-17.18	28.41	6.13	37.61	35.33	Average	100	267	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15562.08	36.99	54.00	-17.01	28.52	6.13	37.65	35.31	Average	100	123	VERTICAL
2	15567.85	49.71	74.00	-24.29	41.26	6.13	37.65	35.33	Peak	100	123	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15694.57	50.11	74.00	-23.89	41.86	6.14	37.49	35.38	Peak	100	262	HORIZONTAL
2	15704.42	37.62	54.00	-16.38	29.37	6.14	37.49	35.38	Average	100	262	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15688.64	37.63	54.00	-16.37	29.35	6.14	37.51	35.37	Average	100	166	VERTICAL
2	15701.78	49.76	74.00	-24.24	41.51	6.14	37.49	35.38	Peak	100	166	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15612.77	37.54	54.00	-16.46	29.17	6.13	37.58	35.34	Average	100	126	HORIZONTAL
2	15640.50	49.45	74.00	-24.55	41.13	6.14	37.54	35.36	Peak	100	126	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.28	50.19	74.00	-23.81	41.84	6.14	37.56	35.35	Peak	100	18	VERTICAL
2	15641.86	37.38	54.00	-16.62	29.06	6.14	37.54	35.36	Average	100	18	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.13	36.85	54.00	-17.15	28.34	6.13	37.67	35.29	Average	100	219	HORIZONTAL
2	15533.40	49.37	74.00	-24.63	40.86	6.13	37.67	35.29	Peak	100	219	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.22	37.02	54.00	-16.98	28.45	6.13	37.73	35.29	Average	100	151	VERTICAL
2	15531.31	50.06	74.00	-23.94	41.49	6.13	37.73	35.29	Peak	100	151	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15605.26	50.04	74.00	-23.96	41.65	6.13	37.60	35.34	Peak	100	158	HORIZONTAL
2	15605.45	37.08	54.00	-16.92	28.69	6.13	37.60	35.34	Average	100	158	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.06	50.13	74.00	-23.87	41.74	6.13	37.60	35.34	Peak	100	51	VERTICAL
2	15602.08	37.72	54.00	-16.28	29.33	6.13	37.60	35.34	Average	100	51	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15710.19	49.70	74.00	-24.30	41.46	6.14	37.48	35.38	Peak	100	242	HORIZONTAL
2	15712.60	37.35	54.00	-16.65	29.11	6.14	37.48	35.38	Average	100	242	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.47	39.62	54.00	-14.38	31.39	6.14	37.48	35.39	Average	100	83	VERTICAL
2	15723.30	53.44	74.00	-20.56	45.21	6.14	37.48	35.39	Peak	100	83	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15560.00	36.43	54.00	-17.57	27.98	6.13	37.63	35.31	Average	100	231	HORIZONTAL
2	15562.02	49.79	74.00	-24.21	41.34	6.13	37.63	35.31	Peak	100	231	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15571.67	49.49	74.00	-24.51	41.04	6.13	37.65	35.33	Peak	100	143	VERTICAL
2	15577.37	36.56	54.00	-17.44	28.15	6.13	37.61	35.33	Average	100	143	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15697.02	37.19	54.00	-16.81	28.94	6.14	37.49	35.38	Average	100	257	HORIZONTAL
2	15699.90	50.39	74.00	-23.61	42.14	6.14	37.49	35.38	Peak	100	257	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15682.79	50.05	74.00	-23.95	41.77	6.14	37.51	35.37	Peak	100	172	VERTICAL
2	15693.17	37.21	54.00	-16.79	28.96	6.14	37.49	35.38	Average	100	172	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15605.24	36.80	54.00	-17.20	28.41	6.13	37.60	35.34	Average	100	187	HORIZONTAL
2	15632.96	50.05	74.00	-23.95	41.70	6.14	37.56	35.35	Peak	100	187	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15653.40	36.91	54.00	-17.09	28.59	6.14	37.54	35.36	Average	100	271	VERTICAL
2	15653.96	50.33	74.00	-23.67	42.01	6.14	37.54	35.36	Peak	100	271	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15531.88	52.08	74.00	-21.92	43.57	6.13	37.67	35.29	Peak	100	269	HORIZONTAL
2	15534.64	39.88	54.00	-14.12	31.37	6.13	37.67	35.29	Average	100	269	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15538.40	53.10	74.00	-20.90	44.59	6.13	37.69	35.31	Peak	100	147	VERTICAL
2	15539.96	39.97	54.00	-14.03	31.46	6.13	37.69	35.31	Average	100	147	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15591.96	51.80	74.00	-22.20	43.41	6.13	37.60	35.34	Peak	100	303	HORIZONTAL
2	15598.16	39.31	54.00	-14.69	30.92	6.13	37.60	35.34	Average	100	303	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15603.44	39.42	54.00	-14.58	31.03	6.13	37.60	35.34	Average	100	146	VERTICAL
2	15609.40	51.76	74.00	-22.24	43.39	6.13	37.58	35.34	Peak	100	146	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.40	51.78	74.00	-22.22	43.55	6.14	37.48	35.39	Peak	100	204	HORIZONTAL
2	15724.08	39.43	54.00	-14.57	31.20	6.14	37.48	35.39	Average	100	204	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15721.00	39.21	54.00	-14.79	30.98	6.14	37.48	35.39	Average	100	129	VERTICAL
2	15726.92	51.33	74.00	-22.67	43.12	6.14	37.46	35.39	Peak	100	129	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15563.40	52.12	74.00	-21.88	43.69	6.13	37.63	35.33	Peak	100	65	HORIZONTAL
2	15568.04	39.63	54.00	-14.37	31.20	6.13	37.63	35.33	Average	100	65	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15564.96	39.63	54.00	-14.37	31.18	6.13	37.65	35.33	Average	100	147	VERTICAL
2	15574.88	52.15	74.00	-21.85	43.74	6.13	37.61	35.33	Peak	100	147	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15696.00	51.25	74.00	-22.75	43.00	6.14	37.49	35.38	Peak	100	339	HORIZONTAL
2	15699.36	38.92	54.00	-15.08	30.67	6.14	37.49	35.38	Average	100	339	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15684.88	51.30	74.00	-22.70	43.02	6.14	37.51	35.37	Peak	100	228	VERTICAL
2	15697.88	38.72	54.00	-15.28	30.47	6.14	37.49	35.38	Average	100	228	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15607.50	39.23	54.00	-14.77	30.86	6.13	37.58	35.34	Average	100	83	HORIZONTAL
2	15608.20	50.59	74.00	-23.41	42.22	6.13	37.58	35.34	Peak	100	83	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15590.28	51.63	74.00	-22.37	43.24	6.13	37.60	35.34	Peak	100	190	VERTICAL
2	15591.28	39.17	54.00	-14.83	30.78	6.13	37.60	35.34	Average	100	190	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15541.34	53.43	74.00	-20.57	44.96	6.13	37.65	35.31	Peak	100	164	HORIZONTAL
2	15542.45	40.61	54.00	-13.39	32.14	6.13	37.65	35.31	Average	100	164	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15541.76	52.90	74.00	-21.10	44.39	6.13	37.69	35.31	Peak	100	264	VERTICAL
2	15542.27	40.64	54.00	-13.36	32.13	6.13	37.69	35.31	Average	100	264	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.27	53.46	74.00	-20.54	45.07	6.13	37.60	35.34	Peak	100	93	HORIZONTAL
2	15599.32	40.47	54.00	-13.53	32.08	6.13	37.60	35.34	Average	100	93	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15601.61	40.43	54.00	-13.57	32.04	6.13	37.60	35.34	Average	100	213	VERTICAL
2	15602.28	52.71	74.00	-21.29	44.32	6.13	37.60	35.34	Peak	100	213	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.08	55.11	74.00	-18.89	46.88	6.14	37.48	35.39	Peak	113	162	HORIZONTAL
2	15720.24	42.42	54.00	-11.58	34.19	6.14	37.48	35.39	Average	113	162	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.60	41.68	54.00	-12.32	33.45	6.14	37.48	35.39	Average	100	222	VERTICAL
2	15719.32	54.84	74.00	-19.16	46.61	6.14	37.48	35.39	Peak	100	222	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15571.84	53.47	74.00	-20.53	45.06	6.13	37.61	35.33	Peak	100	237	HORIZONTAL
2	15572.35	40.34	54.00	-13.66	31.93	6.13	37.61	35.33	Average	100	237	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.71	53.09	74.00	-20.91	44.64	6.13	37.65	35.33	Peak	100	114	VERTICAL
2	15571.54	40.48	54.00	-13.52	32.03	6.13	37.65	35.33	Average	100	114	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15686.20	52.31	74.00	-21.69	44.03	6.14	37.51	35.37	Peak	100	112	HORIZONTAL
2	15691.72	40.11	54.00	-13.89	31.86	6.14	37.49	35.38	Average	100	112	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15682.76	52.40	74.00	-21.60	44.12	6.14	37.51	35.37	Peak	100	222	VERTICAL
2	15698.72	40.00	54.00	-14.00	31.75	6.14	37.49	35.38	Average	100	222	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15628.44	40.31	54.00	-13.69	31.96	6.14	37.56	35.35	Average	100	231	HORIZONTAL
2	15628.80	52.98	74.00	-21.02	44.63	6.14	37.56	35.35	Peak	100	231	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15627.70	40.46	54.00	-13.54	32.11	6.14	37.56	35.35	Average	100	145	VERTICAL
2	15628.10	52.81	74.00	-21.19	44.46	6.14	37.56	35.35	Peak	100	145	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.00	40.70	54.00	-13.30	32.23	6.13	37.65	35.31	Average	100	168	HORIZONTAL
2	15541.81	53.20	74.00	-20.80	44.73	6.13	37.65	35.31	Peak	100	168	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15538.98	40.74	54.00	-13.26	32.23	6.13	37.69	35.31	Average	100	94	VERTICAL
2	15541.68	53.25	74.00	-20.75	44.74	6.13	37.69	35.31	Peak	100	94	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.12	40.06	54.00	-13.94	32.06	6.15	37.29	35.44	Average	100	283	HORIZONTAL
2	15599.82	53.15	74.00	-20.85	45.15	6.15	37.29	35.44	Peak	100	283	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.84	52.35	74.00	-21.65	44.35	6.15	37.29	35.44	Peak	100	200	VERTICAL
2	15599.96	39.97	54.00	-14.03	31.97	6.15	37.29	35.44	Average	100	200	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15721.50	53.87	74.00	-20.13	45.64	6.14	37.48	35.39	Peak	100	162	HORIZONTAL
2	15723.20	41.78	54.00	-12.22	33.55	6.14	37.48	35.39	Average	100	162	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.40	53.22	74.00	-20.78	44.99	6.14	37.48	35.39	Peak	100	221	VERTICAL
2	15723.60	41.08	54.00	-12.92	32.85	6.14	37.48	35.39	Average	100	221	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.89	40.57	54.00	-13.43	32.14	6.13	37.63	35.33	Average	100	265	HORIZONTAL
2	15571.23	53.06	74.00	-20.94	44.63	6.13	37.63	35.33	Peak	100	265	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.79	52.91	74.00	-21.09	44.46	6.13	37.65	35.33	Peak	100	176	VERTICAL
2	15570.58	40.66	54.00	-13.34	32.21	6.13	37.65	35.33	Average	100	176	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15679.90	40.24	54.00	-13.76	31.96	6.14	37.51	35.37	Average	100	138	HORIZONTAL
2	15709.40	52.65	74.00	-21.35	44.41	6.14	37.48	35.38	Peak	100	138	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15670.70	52.59	74.00	-21.41	44.29	6.14	37.53	35.37	Peak	100	257	VERTICAL
2	15692.10	40.30	54.00	-13.70	32.05	6.14	37.49	35.38	Average	100	257	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15632.30	40.42	54.00	-13.58	32.07	6.14	37.56	35.35	Average	100	118	HORIZONTAL
2	15633.58	53.31	74.00	-20.69	44.96	6.14	37.56	35.35	Peak	100	118	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.98	40.50	54.00	-13.50	32.15	6.14	37.56	35.35	Average	100	194	VERTICAL
2	15630.82	52.57	74.00	-21.43	44.22	6.14	37.56	35.35	Peak	100	194	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15531.28	50.20	74.00	-23.80	41.69	6.13	37.67	35.29	Peak	100	243	HORIZONTAL
2	15536.51	37.49	54.00	-16.51	28.98	6.13	37.67	35.29	Average	100	243	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15534.62	50.50	74.00	-23.50	41.93	6.13	37.73	35.29	Peak	100	141	VERTICAL
2	15541.38	37.38	54.00	-16.62	28.87	6.13	37.69	35.31	Average	100	141	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.03	37.44	54.00	-16.56	29.05	6.13	37.60	35.34	Average	100	215	HORIZONTAL
2	15602.37	49.76	74.00	-24.24	41.37	6.13	37.60	35.34	Peak	100	215	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15597.96	49.99	74.00	-24.01	41.60	6.13	37.60	35.34	Peak	100	127	VERTICAL
2	15598.08	37.55	54.00	-16.45	29.16	6.13	37.60	35.34	Average	100	127	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.42	49.91	74.00	-24.09	41.68	6.14	37.48	35.39	Peak	100	177	HORIZONTAL
2	15722.76	37.87	54.00	-16.13	29.64	6.14	37.48	35.39	Average	100	177	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15712.79	37.58	54.00	-16.42	29.34	6.14	37.48	35.38	Average	100	251	VERTICAL
2	15716.51	51.18	74.00	-22.82	42.95	6.14	37.48	35.39	Peak	100	251	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15565.19	37.66	54.00	-16.34	29.23	6.13	37.63	35.33	Average	100	281	HORIZONTAL
2	15568.67	50.48	74.00	-23.52	42.05	6.13	37.63	35.33	Peak	100	281	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15568.21	50.07	74.00	-23.93	41.62	6.13	37.65	35.33	Peak	100	220	VERTICAL
2	15574.49	37.84	54.00	-16.16	29.43	6.13	37.61	35.33	Average	100	220	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.46	37.94	54.00	-16.06	29.66	6.14	37.51	35.37	Average	100	109	HORIZONTAL
2	15692.71	51.26	74.00	-22.74	43.01	6.14	37.49	35.38	Peak	100	109	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.04	37.69	54.00	-16.31	29.41	6.14	37.51	35.37	Average	100	245	VERTICAL
2	15692.68	50.79	74.00	-23.21	42.54	6.14	37.49	35.38	Peak	100	245	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15627.71	36.91	54.00	-17.09	28.56	6.14	37.56	35.35	Average	100	329	HORIZONTAL
2	15631.25	50.10	74.00	-23.90	41.75	6.14	37.56	35.35	Peak	100	329	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15625.63	49.81	74.00	-24.19	41.46	6.14	37.56	35.35	Peak	100	170	VERTICAL
2	15633.77	36.88	54.00	-17.12	28.53	6.14	37.56	35.35	Average	100	170	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15532.85	50.43	74.00	-23.57	41.92	6.13	37.67	35.29	Peak	100	110	HORIZONTAL
2	15544.58	37.78	54.00	-16.22	29.31	6.13	37.65	35.31	Average	100	110	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.32	37.81	54.00	-16.19	29.24	6.13	37.73	35.29	Average	100	260	VERTICAL
2	15537.95	51.27	74.00	-22.73	42.76	6.13	37.69	35.31	Peak	100	260	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15597.18	37.52	54.00	-16.48	29.13	6.13	37.60	35.34	Average	100	308	HORIZONTAL
2	15608.43	49.96	74.00	-24.04	41.59	6.13	37.58	35.34	Peak	100	308	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15593.33	50.26	74.00	-23.74	41.87	6.13	37.60	35.34	Peak	100	163	VERTICAL
2	15601.22	37.66	54.00	-16.34	29.27	6.13	37.60	35.34	Average	100	163	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15725.32	50.51	74.00	-23.49	42.30	6.14	37.46	35.39	Peak	100	105	HORIZONTAL
2	15726.76	38.29	54.00	-15.71	30.08	6.14	37.46	35.39	Average	100	105	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15727.18	39.47	54.00	-14.53	31.26	6.14	37.46	35.39	Average	100	256	VERTICAL
2	15727.76	52.07	74.00	-21.93	43.86	6.14	37.46	35.39	Peak	100	256	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15562.53	49.98	74.00	-24.02	41.53	6.13	37.63	35.31	Peak	100	86	HORIZONTAL
2	15575.48	37.60	54.00	-16.40	29.19	6.13	37.61	35.33	Average	100	86	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15564.29	49.58	74.00	-24.42	41.13	6.13	37.65	35.33	Peak	100	214	VERTICAL
2	15574.78	37.46	54.00	-16.54	29.05	6.13	37.61	35.33	Average	100	214	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15684.87	50.01	74.00	-23.99	41.73	6.14	37.51	35.37	Peak	100	56	HORIZONTAL
2	15699.01	37.75	54.00	-16.25	29.50	6.14	37.49	35.38	Average	100	56	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15684.17	50.88	74.00	-23.12	42.60	6.14	37.51	35.37	Peak	100	227	VERTICAL
2	15686.92	37.78	54.00	-16.22	29.50	6.14	37.51	35.37	Average	100	227	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15632.16	49.87	74.00	-24.13	41.52	6.14	37.56	35.35	Peak	100	307	HORIZONTAL
2	15643.54	37.94	54.00	-16.06	29.62	6.14	37.54	35.36	Average	100	307	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15612.53	37.84	54.00	-16.16	29.47	6.13	37.58	35.34	Average	100	254	VERTICAL
2	15628.32	50.61	74.00	-23.39	42.26	6.14	37.56	35.35	Peak	100	254	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.48	37.36	54.00	-16.64	28.89	6.13	37.65	35.31	Average	100	80	HORIZONTAL
2	15548.25	49.91	74.00	-24.09	41.44	6.13	37.65	35.31	Peak	100	80	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15543.69	37.51	54.00	-16.49	29.00	6.13	37.69	35.31	Average	100	147	VERTICAL
2	15556.99	49.32	74.00	-24.68	40.85	6.13	37.65	35.31	Peak	100	147	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15596.06	49.62	74.00	-24.38	41.23	6.13	37.60	35.34	Peak	100	310	HORIZONTAL
2	15596.73	37.23	54.00	-16.77	28.84	6.13	37.60	35.34	Average	100	310	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15574.57	37.35	54.00	-16.65	28.94	6.13	37.61	35.33	Average	100	271	VERTICAL
2	15579.09	49.36	74.00	-24.64	40.95	6.13	37.61	35.33	Peak	100	271	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.35	37.12	54.00	-16.88	28.89	6.14	37.48	35.39	Average	100	189	HORIZONTAL
2	15724.29	49.59	74.00	-24.41	41.36	6.14	37.48	35.39	Peak	100	189	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15714.13	49.57	74.00	-24.43	41.33	6.14	37.48	35.38	Peak	100	96	VERTICAL
2	15716.06	37.68	54.00	-16.32	29.44	6.14	37.48	35.38	Average	100	96	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15566.73	49.48	74.00	-24.52	41.05	6.13	37.63	35.33	Peak	100	307	HORIZONTAL
2	15571.83	36.88	54.00	-17.12	28.47	6.13	37.61	35.33	Average	100	307	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15560.10	49.55	74.00	-24.45	41.08	6.13	37.65	35.31	Peak	100	226	VERTICAL
2	15574.68	36.98	54.00	-17.02	28.57	6.13	37.61	35.33	Average	100	226	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15683.43	50.07	74.00	-23.93	41.79	6.14	37.51	35.37	Peak	100	92	HORIZONTAL
2	15693.30	37.22	54.00	-16.78	28.97	6.14	37.49	35.38	Average	100	92	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15692.40	37.43	54.00	-16.57	29.18	6.14	37.49	35.38	Average	100	185	VERTICAL
2	15692.79	50.03	74.00	-23.97	41.78	6.14	37.49	35.38	Peak	100	185	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15644.74	37.30	54.00	-16.70	28.98	6.14	37.54	35.36	Average	100	341	HORIZONTAL
2	15645.14	47.33	74.00	-26.67	39.01	6.14	37.54	35.36	Peak	100	341	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15623.35	50.25	74.00	-23.75	41.91	6.13	37.56	35.35	Peak	100	256	VERTICAL
2	15625.03	37.35	54.00	-16.65	29.00	6.14	37.56	35.35	Average	100	256	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.00	37.85	54.00	-16.15	29.34	6.13	37.67	35.29	Average	100	144	HORIZONTAL
2	15548.46	50.70	74.00	-23.30	42.23	6.13	37.65	35.31	Peak	100	144	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15536.89	50.43	74.00	-23.57	41.86	6.13	37.73	35.29	Peak	100	262	VERTICAL
2	15544.65	37.89	54.00	-16.11	29.38	6.13	37.69	35.31	Average	100	262	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.65	37.71	54.00	-16.29	29.32	6.13	37.60	35.34	Average	100	338	HORIZONTAL
2	15599.81	50.37	74.00	-23.63	41.98	6.13	37.60	35.34	Peak	100	338	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15594.17	50.98	74.00	-23.02	42.59	6.13	37.60	35.34	Peak	100	246	VERTICAL
2	15597.98	37.70	54.00	-16.30	29.31	6.13	37.60	35.34	Average	100	246	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.03	40.28	54.00	-13.72	32.04	6.14	37.48	35.38	Average	100	277	HORIZONTAL
2	15717.53	52.66	74.00	-21.34	44.43	6.14	37.48	35.39	Peak	100	277	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.18	52.93	74.00	-21.07	44.70	6.14	37.48	35.39	Peak	100	257	VERTICAL
2	15718.04	40.90	54.00	-13.10	32.67	6.14	37.48	35.39	Average	100	257	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15554.62	50.22	74.00	-23.78	41.75	6.13	37.65	35.31	Peak	100	78	HORIZONTAL
2	15578.27	37.29	54.00	-16.71	28.88	6.13	37.61	35.33	Average	100	78	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15566.41	37.43	54.00	-16.57	28.98	6.13	37.65	35.33	Average	100	130	VERTICAL
2	15570.71	50.04	74.00	-23.96	41.59	6.13	37.65	35.33	Peak	100	130	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15679.23	50.79	74.00	-23.21	42.51	6.14	37.51	35.37	Peak	100	298	HORIZONTAL
2	15698.59	37.62	54.00	-16.38	29.37	6.14	37.49	35.38	Average	100	298	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15693.08	49.69	74.00	-24.31	41.44	6.14	37.49	35.38	Peak	100	201	VERTICAL
2	15702.76	37.55	54.00	-16.45	29.30	6.14	37.49	35.38	Average	100	201	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15638.85	37.38	54.00	-16.62	29.03	6.14	37.56	35.35	Average	100	320	HORIZONTAL
2	15649.10	49.03	74.00	-24.97	40.71	6.14	37.54	35.36	Peak	100	320	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15624.49	49.49	74.00	-24.51	41.14	6.14	37.56	35.35	Peak	100	87	VERTICAL
2	15649.17	37.34	54.00	-16.66	29.02	6.14	37.54	35.36	Average	100	87	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.16	50.28	74.00	-23.72	41.81	6.13	37.65	35.31	Peak	100	306	HORIZONTAL
2	15540.77	37.51	54.00	-16.49	29.04	6.13	37.65	35.31	Average	100	306	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15544.49	50.48	74.00	-23.52	41.97	6.13	37.69	35.31	Peak	100	244	VERTICAL
2	15544.55	37.50	54.00	-16.50	28.99	6.13	37.69	35.31	Average	100	244	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.52	37.34	54.00	-16.66	28.95	6.13	37.60	35.34	Average	100	76	HORIZONTAL
2	15603.97	50.56	74.00	-23.44	42.17	6.13	37.60	35.34	Peak	100	76	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.42	37.40	54.00	-16.60	29.01	6.13	37.60	35.34	Average	100	204	VERTICAL
2	15604.42	49.64	74.00	-24.36	41.25	6.13	37.60	35.34	Peak	100	204	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.57	37.52	54.00	-16.48	29.29	6.14	37.48	35.39	Average	100	133	HORIZONTAL
2	15718.91	50.29	74.00	-23.71	42.06	6.14	37.48	35.39	Peak	100	133	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15713.88	37.82	54.00	-16.18	29.58	6.14	37.48	35.38	Average	100	245	VERTICAL
2	15714.42	51.97	74.00	-22.03	43.73	6.14	37.48	35.38	Peak	100	245	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15565.22	50.04	74.00	-23.96	41.61	6.13	37.63	35.33	Peak	100	318	HORIZONTAL
2	15567.98	37.32	54.00	-16.68	28.89	6.13	37.63	35.33	Average	100	318	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15576.60	49.88	74.00	-24.12	41.47	6.13	37.61	35.33	Peak	100	212	VERTICAL
2	15578.01	37.38	54.00	-16.62	28.97	6.13	37.61	35.33	Average	100	212	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15686.73	37.73	54.00	-16.27	29.45	6.14	37.51	35.37	Average	100	253	HORIZONTAL
2	15691.73	50.81	74.00	-23.19	42.56	6.14	37.49	35.38	Peak	100	253	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.64	50.68	74.00	-23.32	42.41	6.14	37.51	35.38	Peak	100	118	VERTICAL
2	15692.50	37.53	54.00	-16.47	29.28	6.14	37.49	35.38	Average	100	118	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15638.81	37.32	54.00	-16.68	28.97	6.14	37.56	35.35	Average	100	66	HORIZONTAL
2	15640.34	49.02	74.00	-24.98	40.70	6.14	37.54	35.36	Peak	100	66	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15638.25	37.43	54.00	-16.57	29.08	6.14	37.56	35.35	Average	100	150	VERTICAL
2	15638.97	49.33	74.00	-24.67	40.98	6.14	37.56	35.35	Peak	100	150	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15531.03	37.68	54.00	-16.32	29.17	6.13	37.67	35.29	Average	100	269	HORIZONTAL
2	15545.77	50.34	74.00	-23.66	41.87	6.13	37.65	35.31	Peak	100	269	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15536.25	50.21	74.00	-23.79	41.64	6.13	37.73	35.29	Peak	100	153	VERTICAL
2	15538.14	37.75	54.00	-16.25	29.24	6.13	37.69	35.31	Average	100	153	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15561.22	37.55	54.00	-16.45	29.10	6.13	37.63	35.31	Average	100	34	HORIZONTAL
2	15567.15	49.66	74.00	-24.34	41.23	6.13	37.63	35.33	Peak	100	34	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.82	50.14	74.00	-23.86	41.69	6.13	37.65	35.33	Peak	100	179	VERTICAL
2	15568.65	37.59	54.00	-16.41	29.14	6.13	37.65	35.33	Average	100	179	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15711.35	50.22	74.00	-23.78	41.98	6.14	37.48	35.38	Peak	100	354	HORIZONTAL
2	15719.49	38.14	54.00	-15.86	29.91	6.14	37.48	35.39	Average	100	354	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15713.53	50.78	74.00	-23.22	42.54	6.14	37.48	35.38	Peak	100	208	VERTICAL
2	15717.85	37.99	54.00	-16.01	29.76	6.14	37.48	35.39	Average	100	208	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15553.49	37.88	54.00	-16.12	29.41	6.13	37.65	35.31	Average	100	105	HORIZONTAL
2	15588.27	50.32	74.00	-23.68	41.91	6.13	37.61	35.33	Peak	100	105	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15557.58	50.58	74.00	-23.42	42.11	6.13	37.65	35.31	Peak	100	234	VERTICAL
2	15564.39	37.66	54.00	-16.34	29.21	6.13	37.65	35.33	Average	100	234	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15677.66	50.52	74.00	-23.48	42.24	6.14	37.51	35.37	Peak	100	162	HORIZONTAL
2	15695.77	37.88	54.00	-16.12	29.63	6.14	37.49	35.38	Average	100	162	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.68	50.47	74.00	-23.53	42.19	6.14	37.51	35.37	Peak	100	284	VERTICAL
2	15691.04	38.44	54.00	-15.56	30.17	6.14	37.51	35.38	Average	100	284	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15606.92	37.86	54.00	-16.14	29.49	6.13	37.58	35.34	Average	100	259	HORIZONTAL
2	15612.13	50.15	74.00	-23.85	41.78	6.13	37.58	35.34	Peak	100	259	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15612.29	50.23	74.00	-23.77	41.86	6.13	37.58	35.34	Peak	100	128	VERTICAL
2	15651.47	37.85	54.00	-16.15	29.53	6.14	37.54	35.36	Average	100	128	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.95	37.85	54.00	-16.15	29.38	6.13	37.65	35.31	Average	100	163	HORIZONTAL
2	15544.55	51.52	74.00	-22.48	43.05	6.13	37.65	35.31	Peak	100	163	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15534.13	37.73	54.00	-16.27	29.16	6.13	37.73	35.29	Average	100	80	VERTICAL
2	15545.22	50.37	74.00	-23.63	41.86	6.13	37.69	35.31	Peak	100	80	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.67	38.36	54.00	-15.64	29.97	6.13	37.60	35.34	Average	100	252	HORIZONTAL
2	15606.89	50.90	74.00	-23.10	42.53	6.13	37.58	35.34	Peak	100	252	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15594.36	51.34	74.00	-22.66	42.95	6.13	37.60	35.34	Peak	100	146	VERTICAL
2	15602.18	37.73	54.00	-16.27	29.34	6.13	37.60	35.34	Average	100	146	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15710.96	37.73	54.00	-16.27	29.49	6.14	37.48	35.38	Average	100	132	HORIZONTAL
2	15723.11	51.09	74.00	-22.91	42.86	6.14	37.48	35.39	Peak	100	132	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15715.54	50.98	74.00	-23.02	42.74	6.14	37.48	35.38	Peak	100	218	VERTICAL
2	15726.96	37.84	54.00	-16.16	29.63	6.14	37.46	35.39	Average	100	218	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15566.31	50.55	74.00	-23.45	42.12	6.13	37.63	35.33	Peak	100	125	HORIZONTAL
2	15571.47	37.50	54.00	-16.50	29.07	6.13	37.63	35.33	Average	100	125	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.26	51.05	74.00	-22.95	42.60	6.13	37.65	35.33	Peak	100	198	VERTICAL
2	15579.58	37.49	54.00	-16.51	29.08	6.13	37.61	35.33	Average	100	198	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15687.72	50.44	74.00	-23.56	42.16	6.14	37.51	35.37	Peak	100	79	HORIZONTAL
2	15689.84	37.69	54.00	-16.31	29.41	6.14	37.51	35.37	Average	100	79	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15697.95	50.23	74.00	-23.77	41.98	6.14	37.49	35.38	Peak	100	185	VERTICAL
2	15699.04	37.47	54.00	-16.53	29.22	6.14	37.49	35.38	Average	100	185	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15650.27	50.31	74.00	-23.69	41.99	6.14	37.54	35.36	Peak	100	238	HORIZONTAL
2	15651.63	37.62	54.00	-16.38	29.30	6.14	37.54	35.36	Average	100	238	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15642.98	37.71	54.00	-16.29	29.39	6.14	37.54	35.36	Average	100	162	VERTICAL
2	15643.78	47.86	74.00	-26.14	39.54	6.14	37.54	35.36	Peak	100	162	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15538.17	50.97	74.00	-23.03	42.50	6.13	37.65	35.31	Peak	100	148	HORIZONTAL
2	15540.38	37.63	54.00	-16.37	29.16	6.13	37.65	35.31	Average	100	148	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15543.62	37.73	54.00	-16.27	29.22	6.13	37.69	35.31	Average	100	237	VERTICAL
2	15546.70	50.35	74.00	-23.65	41.84	6.13	37.69	35.31	Peak	100	237	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15601.92	37.40	54.00	-16.60	29.01	6.13	37.60	35.34	Average	100	322	HORIZONTAL
2	15604.90	50.87	74.00	-23.13	42.48	6.13	37.60	35.34	Peak	100	322	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15592.60	37.58	54.00	-16.42	29.19	6.13	37.60	35.34	Average	100	203	VERTICAL
2	15598.37	50.40	74.00	-23.60	42.01	6.13	37.60	35.34	Peak	100	203	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.67	38.16	54.00	-15.84	29.93	6.14	37.48	35.39	Average	100	47	HORIZONTAL
2	15718.04	50.53	74.00	-23.47	42.30	6.14	37.48	35.39	Peak	100	47	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15714.71	50.39	74.00	-23.61	42.15	6.14	37.48	35.38	Peak	100	198	VERTICAL
2	15719.81	38.38	54.00	-15.62	30.15	6.14	37.48	35.39	Average	100	198	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15563.78	50.43	74.00	-23.57	42.00	6.13	37.63	35.33	Peak	100	38	HORIZONTAL
2	15564.52	37.41	54.00	-16.59	28.98	6.13	37.63	35.33	Average	100	38	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15561.31	49.83	74.00	-24.17	41.36	6.13	37.65	35.31	Peak	100	140	VERTICAL
2	15567.02	37.50	54.00	-16.50	29.05	6.13	37.65	35.33	Average	100	140	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15693.21	50.15	74.00	-23.85	41.90	6.14	37.49	35.38	Peak	100	296	HORIZONTAL
2	15697.08	37.64	54.00	-16.36	29.39	6.14	37.49	35.38	Average	100	296	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15693.62	50.12	74.00	-23.88	41.87	6.14	37.49	35.38	Peak	100	188	VERTICAL
2	15700.00	37.55	54.00	-16.45	29.30	6.14	37.49	35.38	Average	100	188	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15649.07	48.88	74.00	-25.12	40.56	6.14	37.54	35.36	Peak	100	123	HORIZONTAL
2	15649.79	37.59	54.00	-16.41	29.27	6.14	37.54	35.36	Average	100	123	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15606.28	37.70	54.00	-16.30	29.33	6.13	37.58	35.34	Average	100	236	VERTICAL
2	15606.68	48.69	74.00	-25.31	40.32	6.13	37.58	35.34	Peak	100	236	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15536.60	38.29	54.00	-15.71	29.78	6.13	37.67	35.29	Average	100	241	HORIZONTAL
2	15545.51	50.88	74.00	-23.12	42.41	6.13	37.65	35.31	Peak	100	241	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15532.60	38.45	54.00	-15.55	29.88	6.13	37.73	35.29	Average	100	110	VERTICAL
2	15542.69	52.24	74.00	-21.76	43.73	6.13	37.69	35.31	Peak	100	110	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10400.40	37.08	54.00	-16.92	29.30	4.98	38.38	35.58	Average	100	107	HORIZONTAL
2	10400.40	49.42	74.00	-24.58	41.64	4.98	38.38	35.58	Peak	100	107	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10401.92	49.17	74.00	-24.83	41.39	4.98	38.38	35.58	Peak	100	218	VERTICAL
2	10406.17	36.61	54.00	-17.39	28.83	4.98	38.38	35.58	Average	100	218	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15696.44	38.31	54.00	-15.69	30.06	6.14	37.49	35.38	Average	100	232	HORIZONTAL
2	15727.13	50.87	74.00	-23.13	42.66	6.14	37.46	35.39	Peak	100	232	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.12	51.04	74.00	-22.96	42.81	6.14	37.48	35.39	Peak	100	348	VERTICAL
2	15718.80	38.39	54.00	-15.61	30.16	6.14	37.48	35.39	Average	100	348	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15566.41	50.84	74.00	-23.16	42.41	6.13	37.63	35.33	Peak	100	178	HORIZONTAL
2	15574.04	37.86	54.00	-16.14	29.45	6.13	37.61	35.33	Average	100	178	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15574.71	50.97	74.00	-23.03	42.56	6.13	37.61	35.33	Peak	100	170	VERTICAL
2	15574.78	37.96	54.00	-16.04	29.55	6.13	37.61	35.33	Average	100	170	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.19	38.11	54.00	-15.89	29.83	6.14	37.51	35.37	Average	100	257	HORIZONTAL
2	15694.63	51.56	74.00	-22.44	43.31	6.14	37.49	35.38	Peak	100	257	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15691.06	38.22	54.00	-15.78	29.95	6.14	37.51	35.38	Average	100	54	VERTICAL
2	15691.25	52.23	74.00	-21.77	43.98	6.14	37.49	35.38	Peak	100	54	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15638.94	37.98	54.00	-16.02	29.63	6.14	37.56	35.35	Average	100	222	HORIZONTAL
2	15639.46	50.87	74.00	-23.13	42.52	6.14	37.56	35.35	Peak	100	222	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15635.29	51.30	74.00	-22.70	42.95	6.14	37.56	35.35	Peak	100	172	VERTICAL
2	15639.97	37.91	54.00	-16.09	29.59	6.14	37.54	35.36	Average	100	172	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15536.57	50.57	74.00	-23.43	42.06	6.13	37.67	35.29	Peak	100	161	HORIZONTAL
2	15539.39	36.82	54.00	-17.18	28.35	6.13	37.65	35.31	Average	100	161	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.85	50.12	74.00	-23.88	41.59	6.13	37.69	35.29	Peak	100	105	VERTICAL
2	15538.69	36.92	54.00	-17.08	28.41	6.13	37.69	35.31	Average	100	105	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15604.84	49.38	74.00	-24.62	40.99	6.13	37.60	35.34	Peak	100	232	HORIZONTAL
2	15607.28	36.99	54.00	-17.01	28.62	6.13	37.58	35.34	Average	100	232	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15609.04	36.80	54.00	-17.20	28.43	6.13	37.58	35.34	Average	100	157	VERTICAL
2	15609.17	49.47	74.00	-24.53	41.10	6.13	37.58	35.34	Peak	100	157	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15725.10	38.00	54.00	-16.00	29.77	6.14	37.48	35.39	Average	100	251	HORIZONTAL
2	15728.27	49.24	74.00	-24.76	41.03	6.14	37.46	35.39	Peak	100	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.38	50.96	74.00	-23.04	42.73	6.14	37.48	35.39	Peak	100	205	VERTICAL
2	15726.54	37.00	54.00	-17.00	28.79	6.14	37.46	35.39	Average	100	205	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.60	36.75	54.00	-17.25	28.32	6.13	37.63	35.33	Average	100	107	HORIZONTAL
2	15569.65	49.90	74.00	-24.10	41.47	6.13	37.63	35.33	Peak	100	107	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.51	49.65	74.00	-24.35	41.20	6.13	37.65	35.33	Peak	100	206	VERTICAL
2	15575.87	36.96	54.00	-17.04	28.55	6.13	37.61	35.33	Average	100	206	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15698.85	36.93	54.00	-17.07	28.68	6.14	37.49	35.38	Average	100	283	HORIZONTAL
2	15699.62	49.93	74.00	-24.07	41.68	6.14	37.49	35.38	Peak	100	283	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15695.29	49.54	74.00	-24.46	41.29	6.14	37.49	35.38	Peak	100	189	VERTICAL
2	15696.31	36.90	54.00	-17.10	28.65	6.14	37.49	35.38	Average	100	189	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15643.94	36.97	54.00	-17.03	28.65	6.14	37.54	35.36	Average	100	304	HORIZONTAL
2	15651.15	50.11	74.00	-23.89	41.79	6.14	37.54	35.36	Peak	100	304	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15676.15	47.84	74.00	-26.16	39.56	6.14	37.51	35.37	Peak	100	200	VERTICAL
2	15678.72	36.72	54.00	-17.28	28.44	6.14	37.51	35.37	Average	100	200	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.19	37.53	54.00	-16.47	29.02	6.13	37.67	35.29	Average	100	66	HORIZONTAL
2	15543.04	50.81	74.00	-23.19	42.34	6.13	37.65	35.31	Peak	100	66	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.51	50.13	74.00	-23.87	41.56	6.13	37.73	35.29	Peak	100	179	VERTICAL
2	15542.28	37.32	54.00	-16.68	28.81	6.13	37.69	35.31	Average	100	179	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15593.11	37.25	54.00	-16.75	28.86	6.13	37.60	35.34	Average	100	261	HORIZONTAL
2	15598.27	50.63	74.00	-23.37	42.24	6.13	37.60	35.34	Peak	100	261	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15593.94	37.30	54.00	-16.70	28.91	6.13	37.60	35.34	Average	100	191	VERTICAL
2	15595.48	50.01	74.00	-23.99	41.62	6.13	37.60	35.34	Peak	100	191	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.19	37.85	54.00	-16.15	29.62	6.14	37.48	35.39	Average	100	88	HORIZONTAL
2	15728.33	50.58	74.00	-23.42	42.37	6.14	37.46	35.39	Peak	100	88	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15715.90	37.41	54.00	-16.59	29.17	6.14	37.48	35.38	Average	100	218	VERTICAL
2	15724.20	51.59	74.00	-22.41	43.36	6.14	37.48	35.39	Peak	100	218	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15564.29	50.20	74.00	-23.80	41.77	6.13	37.63	35.33	Peak	100	82	HORIZONTAL
2	15579.04	37.16	54.00	-16.84	28.75	6.13	37.61	35.33	Average	100	82	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.26	37.13	54.00	-16.87	28.68	6.13	37.65	35.33	Average	100	175	VERTICAL
2	15578.85	49.67	74.00	-24.33	41.26	6.13	37.61	35.33	Peak	100	175	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15692.82	37.38	54.00	-16.62	29.13	6.14	37.49	35.38	Average	100	273	HORIZONTAL
2	15697.53	50.54	74.00	-23.46	42.29	6.14	37.49	35.38	Peak	100	273	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15683.11	50.06	74.00	-23.94	41.78	6.14	37.51	35.37	Peak	100	183	VERTICAL
2	15690.61	37.32	54.00	-16.68	29.04	6.14	37.51	35.37	Average	100	183	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15651.79	48.84	74.00	-25.16	40.52	6.14	37.54	35.36	Peak	100	66	HORIZONTAL
2	15652.84	37.38	54.00	-16.62	29.06	6.14	37.54	35.36	Average	100	66	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15641.38	37.30	54.00	-16.70	28.98	6.14	37.54	35.36	Average	100	190	VERTICAL
2	15641.38	47.76	74.00	-26.24	39.44	6.14	37.54	35.36	Peak	100	190	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.54	37.83	54.00	-16.17	29.32	6.13	37.67	35.29	Average	100	283	HORIZONTAL
2	15536.63	50.83	74.00	-23.17	42.32	6.13	37.67	35.29	Peak	100	283	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.78	37.53	54.00	-16.47	29.02	6.13	37.69	35.31	Average	100	186	VERTICAL
2	15545.19	50.98	74.00	-23.02	42.47	6.13	37.69	35.31	Peak	100	186	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15596.92	37.67	54.00	-16.33	29.28	6.13	37.60	35.34	Average	100	83	HORIZONTAL
2	15597.72	51.02	74.00	-22.98	42.63	6.13	37.60	35.34	Peak	100	83	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.77	50.70	74.00	-23.30	42.31	6.13	37.60	35.34	Peak	100	161	VERTICAL
2	15605.35	37.41	54.00	-16.59	29.02	6.13	37.60	35.34	Average	100	161	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15711.38	51.02	74.00	-22.98	42.78	6.14	37.48	35.38	Peak	100	272	HORIZONTAL
2	15717.60	37.85	54.00	-16.15	29.62	6.14	37.48	35.39	Average	100	272	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.60	50.38	74.00	-23.62	42.15	6.14	37.48	35.39	Peak	100	203	VERTICAL
2	15721.54	37.93	54.00	-16.07	29.70	6.14	37.48	35.39	Average	100	203	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15564.29	37.57	54.00	-16.43	29.14	6.13	37.63	35.33	Average	100	114	HORIZONTAL
2	15579.62	50.26	74.00	-23.74	41.85	6.13	37.61	35.33	Peak	100	114	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15565.87	37.38	54.00	-16.62	28.93	6.13	37.65	35.33	Average	100	195	VERTICAL
2	15569.97	49.86	74.00	-24.14	41.41	6.13	37.65	35.33	Peak	100	195	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15694.52	50.44	74.00	-23.56	42.19	6.14	37.49	35.38	Peak	100	97	HORIZONTAL
2	15699.01	37.62	54.00	-16.38	29.37	6.14	37.49	35.38	Average	100	97	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.71	37.68	54.00	-16.32	29.40	6.14	37.51	35.37	Average	100	175	VERTICAL
2	15691.35	50.92	74.00	-23.08	42.67	6.14	37.49	35.38	Peak	100	175	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15635.93	49.17	74.00	-24.83	40.82	6.14	37.56	35.35	Peak	100	121	HORIZONTAL
2	15636.17	37.54	54.00	-16.46	29.19	6.14	37.56	35.35	Average	100	121	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15605.08	37.73	54.00	-16.27	29.34	6.13	37.60	35.34	Average	100	226	VERTICAL
2	15606.28	49.68	74.00	-24.32	41.31	6.13	37.58	35.34	Peak	100	226	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.61	37.68	54.00	-16.32	29.17	6.13	37.67	35.29	Average	100	200	HORIZONTAL
2	15538.04	50.08	74.00	-23.92	41.61	6.13	37.65	35.31	Peak	100	200	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15543.27	37.53	54.00	-16.47	29.02	6.13	37.69	35.31	Average	100	111	VERTICAL
2	15548.97	50.23	74.00	-23.77	41.72	6.13	37.69	35.31	Peak	100	111	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.08	50.45	74.00	-23.55	42.06	6.13	37.60	35.34	Peak	100	170	HORIZONTAL
2	15603.75	37.83	54.00	-16.17	29.44	6.13	37.60	35.34	Average	100	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15590.71	50.35	74.00	-23.65	41.96	6.13	37.60	35.34	Peak	100	275	VERTICAL
2	15605.71	37.86	54.00	-16.14	29.47	6.13	37.60	35.34	Average	100	275	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15713.08	37.62	54.00	-16.38	29.38	6.14	37.48	35.38	Average	100	222	HORIZONTAL
2	15724.49	51.05	74.00	-22.95	42.82	6.14	37.48	35.39	Peak	100	222	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15722.05	38.23	54.00	-15.77	30.00	6.14	37.48	35.39	Average	100	111	VERTICAL
2	15722.53	50.73	74.00	-23.27	42.50	6.14	37.48	35.39	Peak	100	111	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.63	50.66	74.00	-23.34	42.23	6.13	37.63	35.33	Peak	100	160	HORIZONTAL
2	15575.67	37.50	54.00	-16.50	29.09	6.13	37.61	35.33	Average	100	160	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15574.52	37.44	54.00	-16.56	29.03	6.13	37.61	35.33	Average	100	246	VERTICAL
2	15577.28	50.94	74.00	-23.06	42.53	6.13	37.61	35.33	Peak	100	246	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15694.94	37.56	54.00	-16.44	29.31	6.14	37.49	35.38	Average	100	216	HORIZONTAL
2	15695.61	50.53	74.00	-23.47	42.28	6.14	37.49	35.38	Peak	100	216	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.74	50.36	74.00	-23.64	42.08	6.14	37.51	35.37	Peak	100	125	VERTICAL
2	15692.15	37.71	54.00	-16.29	29.46	6.14	37.49	35.38	Average	100	125	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15652.44	37.67	54.00	-16.33	29.35	6.14	37.54	35.36	Average	100	253	HORIZONTAL
2	15653.96	50.10	74.00	-23.90	41.78	6.14	37.54	35.36	Peak	100	253	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15638.89	50.31	74.00	-23.69	41.96	6.14	37.56	35.35	Peak	100	204	VERTICAL
2	15639.13	37.57	54.00	-16.43	29.22	6.14	37.56	35.35	Average	100	204	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.71	50.38	74.00	-23.62	41.87	6.13	37.67	35.29	Peak	100	185	HORIZONTAL
2	15534.68	37.86	54.00	-16.14	29.35	6.13	37.67	35.29	Average	100	185	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.29	37.73	54.00	-16.27	29.16	6.13	37.73	35.29	Average	100	98	VERTICAL
2	15535.90	50.06	74.00	-23.94	41.49	6.13	37.73	35.29	Peak	100	98	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.49	38.40	54.00	-15.60	30.01	6.13	37.60	35.34	Average	100	261	HORIZONTAL
2	15599.94	50.67	74.00	-23.33	42.28	6.13	37.60	35.34	Peak	100	261	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15596.35	38.01	54.00	-15.99	29.62	6.13	37.60	35.34	Average	100	132	VERTICAL
2	15599.07	50.11	74.00	-23.89	41.72	6.13	37.60	35.34	Peak	100	132	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.41	50.00	74.00	-24.00	41.77	6.14	37.48	35.39	Peak	100	253	HORIZONTAL
2	15728.72	37.96	54.00	-16.04	29.75	6.14	37.46	35.39	Average	100	253	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15713.43	50.09	74.00	-23.91	41.85	6.14	37.48	35.38	Peak	100	126	VERTICAL
2	15715.26	38.45	54.00	-15.55	30.21	6.14	37.48	35.38	Average	100	126	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15566.51	50.51	74.00	-23.49	42.08	6.13	37.63	35.33	Peak	100	177	HORIZONTAL
2	15576.06	37.58	54.00	-16.42	29.17	6.13	37.61	35.33	Average	100	177	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.71	37.45	54.00	-16.55	29.00	6.13	37.65	35.33	Average	100	98	VERTICAL
2	15576.86	50.69	74.00	-23.31	42.28	6.13	37.61	35.33	Peak	100	98	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15681.60	50.40	74.00	-23.60	42.12	6.14	37.51	35.37	Peak	100	170	HORIZONTAL
2	15696.12	37.58	54.00	-16.42	29.33	6.14	37.49	35.38	Average	100	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15683.27	50.20	74.00	-23.80	41.92	6.14	37.51	35.37	Peak	100	335	VERTICAL
2	15690.16	37.60	54.00	-16.40	29.32	6.14	37.51	35.37	Average	100	335	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15613.01	37.78	54.00	-16.22	29.41	6.13	37.58	35.34	Average	100	120	HORIZONTAL
2	15622.15	50.41	74.00	-23.59	42.05	6.13	37.58	35.35	Peak	100	120	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15628.96	50.26	74.00	-23.74	41.91	6.14	37.56	35.35	Peak	100	208	VERTICAL
2	15637.53	37.62	54.00	-16.38	29.27	6.14	37.56	35.35	Average	100	208	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.76	50.65	74.00	-23.35	42.16	6.13	37.65	35.29	Peak	100	303	HORIZONTAL
2	15546.86	37.55	54.00	-16.45	29.08	6.13	37.65	35.31	Average	100	303	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15534.65	50.77	74.00	-23.23	42.20	6.13	37.73	35.29	Peak	100	257	VERTICAL
2	15540.16	37.35	54.00	-16.65	28.84	6.13	37.69	35.31	Average	100	257	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15590.48	50.84	74.00	-23.16	42.45	6.13	37.60	35.34	Peak	100	211	HORIZONTAL
2	15600.77	38.10	54.00	-15.90	29.71	6.13	37.60	35.34	Average	100	211	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15590.45	37.97	54.00	-16.03	29.58	6.13	37.60	35.34	Average	100	122	VERTICAL
2	15595.32	50.24	74.00	-23.76	41.85	6.13	37.60	35.34	Peak	100	122	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.94	50.96	74.00	-23.04	42.73	6.14	37.48	35.39	Peak	100	171	HORIZONTAL
2	15719.97	38.01	54.00	-15.99	29.78	6.14	37.48	35.39	Average	100	171	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.38	50.15	74.00	-23.85	41.92	6.14	37.48	35.39	Peak	100	102	VERTICAL
2	15726.47	37.75	54.00	-16.25	29.54	6.14	37.46	35.39	Average	100	102	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15564.04	37.44	54.00	-16.56	29.01	6.13	37.63	35.33	Average	100	163	HORIZONTAL
2	15564.71	50.67	74.00	-23.33	42.24	6.13	37.63	35.33	Peak	100	163	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.13	37.45	54.00	-16.55	29.00	6.13	37.65	35.33	Average	100	270	VERTICAL
2	15569.52	50.16	74.00	-23.84	41.71	6.13	37.65	35.33	Peak	100	270	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.26	51.10	74.00	-22.90	42.82	6.14	37.51	35.37	Peak	100	179	HORIZONTAL
2	15691.35	37.86	54.00	-16.14	29.61	6.14	37.49	35.38	Average	100	179	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15685.13	50.10	74.00	-23.90	41.82	6.14	37.51	35.37	Peak	100	248	VERTICAL
2	15692.40	37.64	54.00	-16.36	29.39	6.14	37.49	35.38	Average	100	248	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.04	50.68	74.00	-23.32	42.33	6.14	37.56	35.35	Peak	101	315	HORIZONTAL
2	15641.22	37.57	54.00	-16.43	29.25	6.14	37.54	35.36	Average	101	315	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15636.73	37.51	54.00	-16.49	29.16	6.14	37.56	35.35	Average	100	220	VERTICAL
2	15638.01	50.28	74.00	-23.72	41.93	6.14	37.56	35.35	Peak	100	220	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.80	50.45	74.00	-23.55	41.94	6.13	37.67	35.29	Peak	100	72	HORIZONTAL
2	15541.92	37.60	54.00	-16.40	29.13	6.13	37.65	35.31	Average	100	72	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.90	37.63	54.00	-16.37	29.12	6.13	37.69	35.31	Average	100	136	VERTICAL
2	15546.57	50.50	74.00	-23.50	41.99	6.13	37.69	35.31	Peak	100	136	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.45	49.82	74.00	-24.18	41.43	6.13	37.60	35.34	Peak	100	266	HORIZONTAL
2	15603.85	37.44	54.00	-16.56	29.05	6.13	37.60	35.34	Average	100	266	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15597.98	50.06	74.00	-23.94	41.67	6.13	37.60	35.34	Peak	100	184	VERTICAL
2	15602.53	37.45	54.00	-16.55	29.06	6.13	37.60	35.34	Average	100	184	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15715.90	50.27	74.00	-23.73	42.03	6.14	37.48	35.38	Peak	100	69	HORIZONTAL
2	15722.63	37.76	54.00	-16.24	29.53	6.14	37.48	35.39	Average	100	69	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15722.21	39.94	54.00	-14.06	31.71	6.14	37.48	35.39	Average	100	117	VERTICAL
2	15723.37	53.00	74.00	-21.00	44.77	6.14	37.48	35.39	Peak	100	117	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15561.47	49.85	74.00	-24.15	41.40	6.13	37.63	35.31	Peak	100	251	HORIZONTAL
2	15578.88	37.41	54.00	-16.59	29.00	6.13	37.61	35.33	Average	100	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15562.34	50.28	74.00	-23.72	41.81	6.13	37.65	35.31	Peak	100	175	VERTICAL
2	15563.11	37.40	54.00	-16.60	28.93	6.13	37.65	35.31	Average	100	175	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15686.44	50.19	74.00	-23.81	41.91	6.14	37.51	35.37	Peak	100	57	HORIZONTAL
2	15697.79	37.59	54.00	-16.41	29.34	6.14	37.49	35.38	Average	100	57	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15697.47	37.89	54.00	-16.11	29.64	6.14	37.49	35.38	Average	100	184	VERTICAL
2	15698.59	50.57	74.00	-23.43	42.32	6.14	37.49	35.38	Peak	100	184	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15649.55	49.88	74.00	-24.12	41.56	6.14	37.54	35.36	Peak	100	161	HORIZONTAL
2	15650.75	37.05	54.00	-16.95	28.73	6.14	37.54	35.36	Average	100	161	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15605.48	37.47	54.00	-16.53	29.08	6.13	37.60	35.34	Average	100	240	VERTICAL
2	15607.08	48.67	74.00	-25.33	40.30	6.13	37.58	35.34	Peak	100	240	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15532.50	37.75	54.00	-16.25	29.24	6.13	37.67	35.29	Average	100	347	HORIZONTAL
2	15547.79	50.36	74.00	-23.64	41.89	6.13	37.65	35.31	Peak	100	347	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.79	37.59	54.00	-16.41	29.06	6.13	37.69	35.29	Average	100	256	VERTICAL
2	15538.14	50.10	74.00	-23.90	41.59	6.13	37.69	35.31	Peak	100	256	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.14	49.82	74.00	-24.18	41.43	6.13	37.60	35.34	Peak	100	57	HORIZONTAL
2	15602.95	37.49	54.00	-16.51	29.10	6.13	37.60	35.34	Average	100	57	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15590.19	37.52	54.00	-16.48	29.13	6.13	37.60	35.34	Average	100	192	VERTICAL
2	15590.80	49.81	74.00	-24.19	41.42	6.13	37.60	35.34	Peak	100	192	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.21	37.71	54.00	-16.29	29.48	6.14	37.48	35.39	Average	100	120	HORIZONTAL
2	15723.72	50.94	74.00	-23.06	42.71	6.14	37.48	35.39	Peak	100	120	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15721.47	50.08	74.00	-23.92	41.85	6.14	37.48	35.39	Peak	100	293	VERTICAL
2	15722.44	38.35	54.00	-15.65	30.12	6.14	37.48	35.39	Average	100	293	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.38	37.63	54.00	-16.37	29.12	6.13	37.67	35.29	Average	100	105	HORIZONTAL
2	15534.90	50.34	74.00	-23.66	41.83	6.13	37.67	35.29	Peak	100	105	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.83	37.64	54.00	-16.36	29.07	6.13	37.73	35.29	Average	100	232	VERTICAL
2	15540.54	50.32	74.00	-23.68	41.81	6.13	37.69	35.31	Peak	100	232	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15682.34	37.60	54.00	-16.40	29.32	6.14	37.51	35.37	Average	100	95	HORIZONTAL
2	15700.00	49.80	74.00	-24.20	41.55	6.14	37.49	35.38	Peak	100	95	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15692.76	51.28	74.00	-22.72	43.03	6.14	37.49	35.38	Peak	100	236	VERTICAL
2	15697.31	37.71	54.00	-16.29	29.46	6.14	37.49	35.38	Average	100	236	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15636.09	37.72	54.00	-16.28	29.37	6.14	37.56	35.35	Average	100	256	HORIZONTAL
2	15636.97	49.80	74.00	-24.20	41.45	6.14	37.56	35.35	Peak	100	256	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15645.87	49.79	74.00	-24.21	41.47	6.14	37.54	35.36	Peak	100	158	VERTICAL
2	15646.43	37.68	54.00	-16.32	29.36	6.14	37.54	35.36	Average	100	158	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.69	37.77	54.00	-16.23	29.26	6.13	37.67	35.29	Average	100	270	HORIZONTAL
2	15543.49	50.63	74.00	-23.37	42.16	6.13	37.65	35.31	Peak	100	270	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15531.54	50.84	74.00	-23.16	42.27	6.13	37.73	35.29	Peak	100	148	VERTICAL
2	15537.92	37.73	54.00	-16.27	29.22	6.13	37.69	35.31	Average	100	148	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15604.52	37.61	54.00	-16.39	29.22	6.13	37.60	35.34	Average	100	327	HORIZONTAL
2	15607.21	50.88	74.00	-23.12	42.51	6.13	37.58	35.34	Peak	100	327	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15601.19	37.53	54.00	-16.47	29.14	6.13	37.60	35.34	Average	100	216	VERTICAL
2	15607.63	49.78	74.00	-24.22	41.41	6.13	37.58	35.34	Peak	100	216	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15721.03	50.44	74.00	-23.56	42.21	6.14	37.48	35.39	Peak	100	305	HORIZONTAL
2	15723.37	38.23	54.00	-15.77	30.00	6.14	37.48	35.39	Average	100	305	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15714.46	50.58	74.00	-23.42	42.34	6.14	37.48	35.38	Peak	100	141	VERTICAL
2	15721.83	38.47	54.00	-15.53	30.24	6.14	37.48	35.39	Average	100	141	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15568.62	37.51	54.00	-16.49	29.08	6.13	37.63	35.33	Average	100	209	HORIZONTAL
2	15576.15	50.31	74.00	-23.69	41.90	6.13	37.61	35.33	Peak	100	209	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15568.43	37.45	54.00	-16.55	29.00	6.13	37.65	35.33	Average	100	115	VERTICAL
2	15579.26	50.08	74.00	-23.92	41.67	6.13	37.61	35.33	Peak	100	115	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15697.69	50.88	74.00	-23.12	42.63	6.14	37.49	35.38	Peak	100	329	HORIZONTAL
2	15699.87	37.70	54.00	-16.30	29.45	6.14	37.49	35.38	Average	100	329	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15682.85	50.50	74.00	-23.50	42.22	6.14	37.51	35.37	Peak	100	134	VERTICAL
2	15697.15	37.85	54.00	-16.15	29.60	6.14	37.49	35.38	Average	100	134	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15627.02	37.63	54.00	-16.37	29.28	6.14	37.56	35.35	Average	100	239	HORIZONTAL
2	15639.74	49.93	74.00	-24.07	41.59	6.14	37.56	35.36	Peak	100	239	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15627.85	49.90	74.00	-24.10	41.55	6.14	37.56	35.35	Peak	100	133	VERTICAL
2	15639.87	37.59	54.00	-16.41	29.25	6.14	37.56	35.36	Average	100	133	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.32	50.37	74.00	-23.63	41.86	6.13	37.67	35.29	Peak	100	232	HORIZONTAL
2	15535.38	37.50	54.00	-16.50	28.99	6.13	37.67	35.29	Average	100	232	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15536.03	50.32	74.00	-23.68	41.75	6.13	37.73	35.29	Peak	100	135	VERTICAL
2	15539.42	37.56	54.00	-16.44	29.05	6.13	37.69	35.31	Average	100	135	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.01	37.28	54.00	-16.72	28.89	6.13	37.60	35.34	Average	100	191	HORIZONTAL
2	15601.96	49.76	74.00	-24.24	41.37	6.13	37.60	35.34	Peak	100	191	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.45	49.81	74.00	-24.19	41.42	6.13	37.60	35.34	Peak	100	61	VERTICAL
2	15602.88	37.40	54.00	-16.60	29.01	6.13	37.60	35.34	Average	100	61	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15721.09	39.93	54.00	-14.07	31.70	6.14	37.48	35.39	Average	100	190	HORIZONTAL
2	15723.21	52.17	74.00	-21.83	43.94	6.14	37.48	35.39	Peak	100	190	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15721.60	41.33	54.00	-12.67	33.10	6.14	37.48	35.39	Average	100	186	VERTICAL
2	15722.05	54.02	74.00	-19.98	45.79	6.14	37.48	35.39	Peak	100	186	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15551.33	50.01	74.00	-23.99	41.54	6.13	37.65	35.31	Peak	100	202	HORIZONTAL
2	15586.59	37.35	54.00	-16.65	28.94	6.13	37.61	35.33	Average	100	202	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15579.62	37.54	54.00	-16.46	29.13	6.13	37.61	35.33	Average	100	53	VERTICAL
2	15585.06	50.06	74.00	-23.94	41.65	6.13	37.61	35.33	Peak	100	53	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.64	38.33	54.00	-15.67	30.06	6.14	37.51	35.38	Average	100	172	HORIZONTAL
2	15705.95	50.03	74.00	-23.97	41.78	6.14	37.49	35.38	Peak	100	172	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15684.95	50.07	74.00	-23.93	41.79	6.14	37.51	35.37	Peak	100	295	VERTICAL
2	15691.92	39.01	54.00	-14.99	30.76	6.14	37.49	35.38	Average	100	295	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15635.05	37.41	54.00	-16.59	29.06	6.14	37.56	35.35	Average	100	227	HORIZONTAL
2	15636.33	49.61	74.00	-24.39	41.26	6.14	37.56	35.35	Peak	100	227	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15632.16	37.44	54.00	-16.56	29.09	6.14	37.56	35.35	Average	100	81	VERTICAL
2	15640.26	51.00	74.00	-23.00	42.68	6.14	37.54	35.36	Peak	100	81	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.52	52.28	74.00	-21.72	43.77	6.13	37.67	35.29	Peak	100	234	HORIZONTAL
2	15540.96	39.40	54.00	-14.60	30.93	6.13	37.65	35.31	Average	100	234	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15530.64	52.84	74.00	-21.16	44.27	6.13	37.73	35.29	Peak	100	138	VERTICAL
2	15544.60	39.60	54.00	-14.40	31.09	6.13	37.69	35.31	Average	100	138	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15592.16	51.54	74.00	-22.46	43.15	6.13	37.60	35.34	Peak	100	202	HORIZONTAL
2	15603.24	39.28	54.00	-14.72	30.89	6.13	37.60	35.34	Average	100	202	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15601.72	51.81	74.00	-22.19	43.42	6.13	37.60	35.34	Peak	100	71	VERTICAL
2	15605.56	39.27	54.00	-14.73	30.88	6.13	37.60	35.34	Average	100	71	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15724.60	39.31	54.00	-14.69	31.08	6.14	37.48	35.39	Average	100	287	HORIZONTAL
2	15737.20	51.77	74.00	-22.23	43.56	6.14	37.46	35.39	Peak	100	287	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15716.90	39.75	54.00	-14.25	31.52	6.14	37.48	35.39	Average	100	147	VERTICAL
2	15738.90	51.74	74.00	-22.26	43.53	6.14	37.46	35.39	Peak	100	147	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15560.04	39.08	54.00	-14.92	30.63	6.13	37.63	35.31	Average	100	199	HORIZONTAL
2	15574.80	51.90	74.00	-22.10	43.49	6.13	37.61	35.33	Peak	100	199	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15545.60	39.52	54.00	-14.48	31.01	6.13	37.69	35.31	Average	100	88	VERTICAL
2	15546.60	49.94	74.00	-24.06	41.43	6.13	37.69	35.31	Peak	100	88	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15673.20	51.74	74.00	-22.26	43.44	6.14	37.53	35.37	Peak	100	156	HORIZONTAL
2	15692.90	38.97	54.00	-15.03	30.72	6.14	37.49	35.38	Average	100	156	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.30	39.19	54.00	-14.81	30.91	6.14	37.51	35.37	Average	100	274	VERTICAL
2	15708.90	51.52	74.00	-22.48	43.28	6.14	37.48	35.38	Peak	100	274	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15620.04	52.26	74.00	-21.74	43.90	6.13	37.58	35.35	Peak	100	184	HORIZONTAL
2	15639.68	39.56	54.00	-14.44	31.21	6.14	37.56	35.35	Average	100	184	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15626.56	39.62	54.00	-14.38	31.27	6.14	37.56	35.35	Average	100	56	VERTICAL
2	15628.88	52.82	74.00	-21.18	44.47	6.14	37.56	35.35	Peak	100	56	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15536.10	52.00	74.00	-22.00	43.49	6.13	37.67	35.29	Peak	100	139	HORIZONTAL
2	15539.46	39.03	54.00	-14.97	30.56	6.13	37.65	35.31	Average	100	139	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15538.18	52.02	74.00	-21.98	43.51	6.13	37.69	35.31	Peak	100	185	VERTICAL
2	15539.58	39.22	54.00	-14.78	30.71	6.13	37.69	35.31	Average	100	185	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15603.22	51.92	74.00	-22.08	43.53	6.13	37.60	35.34	Peak	100	295	HORIZONTAL
2	15603.84	38.85	54.00	-15.15	30.46	6.13	37.60	35.34	Average	100	295	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.76	39.08	54.00	-14.92	30.69	6.13	37.60	35.34	Average	100	168	VERTICAL
2	15600.76	52.35	74.00	-21.65	43.96	6.13	37.60	35.34	Peak	100	168	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.98	52.47	74.00	-21.53	44.24	6.14	37.48	35.39	Peak	100	221	HORIZONTAL
2	15719.66	39.55	54.00	-14.45	31.32	6.14	37.48	35.39	Average	100	221	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.43	38.69	54.00	-15.31	30.46	6.14	37.48	35.39	Average	100	212	VERTICAL
2	15720.89	51.37	74.00	-22.63	43.14	6.14	37.48	35.39	Peak	100	212	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15565.24	52.02	74.00	-21.98	43.59	6.13	37.63	35.33	Peak	100	216	HORIZONTAL
2	15570.08	38.99	54.00	-15.01	30.56	6.13	37.63	35.33	Average	100	216	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15565.12	39.06	54.00	-14.94	30.61	6.13	37.65	35.33	Average	100	180	VERTICAL
2	15571.16	51.85	74.00	-22.15	43.40	6.13	37.65	35.33	Peak	100	180	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.50	38.65	54.00	-15.35	30.37	6.14	37.51	35.37	Average	100	188	HORIZONTAL
2	15690.56	52.89	74.00	-21.11	44.61	6.14	37.51	35.37	Peak	100	188	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.88	51.34	74.00	-22.66	43.06	6.14	37.51	35.37	Peak	100	272	VERTICAL
2	15691.20	38.70	54.00	-15.30	30.45	6.14	37.49	35.38	Average	100	272	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Apr. 25, 2013	Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15625.32	52.03	74.00	-21.97	43.68	6.14	37.56	35.35	Peak	100	250	HORIZONTAL
2	15633.98	38.90	54.00	-15.10	30.55	6.14	37.56	35.35	Average	100	250	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15626.38	39.06	54.00	-14.94	30.71	6.14	37.56	35.35	Average	100	162	VERTICAL
2	15633.30	52.33	74.00	-21.67	43.98	6.14	37.56	35.35	Peak	100	162	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 1TX / Chain 1
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15544.07	37.77	54.00	-16.23	29.30	6.13	37.65	35.31	Average	100	138	HORIZONTAL
2	15545.10	51.00	74.00	-23.00	42.53	6.13	37.65	35.31	Peak	100	138	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.42	50.31	74.00	-23.69	41.74	6.13	37.73	35.29	Peak	100	136	VERTICAL
2	15539.84	38.02	54.00	-15.98	29.51	6.13	37.69	35.31	Average	100	136	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 1TX / Chain 1
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15596.38	39.29	54.00	-14.71	30.90	6.13	37.60	35.34	Average	100	140	HORIZONTAL
2	15602.37	50.71	74.00	-23.29	42.32	6.13	37.60	35.34	Peak	100	140	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.00	51.40	74.00	-22.60	43.01	6.13	37.60	35.34	Peak	100	295	VERTICAL
2	15601.31	38.86	54.00	-15.14	30.47	6.13	37.60	35.34	Average	100	295	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 1TX / Chain 1
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15712.95	38.44	54.00	-15.56	30.20	6.14	37.48	35.38	Average	100	130	HORIZONTAL
2	15720.74	50.83	74.00	-23.17	42.60	6.14	37.48	35.39	Peak	100	130	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.87	50.21	74.00	-23.79	41.98	6.14	37.48	35.39	Peak	100	253	VERTICAL
2	15722.21	38.97	54.00	-15.03	30.74	6.14	37.48	35.39	Average	100	253	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 1TX / Chain 1
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15560.92	52.28	74.00	-21.72	43.83	6.13	37.63	35.31	Peak	100	145	HORIZONTAL
2	15568.76	39.67	54.00	-14.33	31.24	6.13	37.63	35.33	Average	100	145	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15566.60	39.75	54.00	-14.25	31.30	6.13	37.65	35.33	Average	100	257	VERTICAL
2	15577.08	51.85	74.00	-22.15	43.44	6.13	37.61	35.33	Peak	100	257	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 1TX / Chain 1
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15696.84	39.32	54.00	-14.68	31.07	6.14	37.49	35.38	Average	100	172	HORIZONTAL
2	15698.92	51.70	74.00	-22.30	43.45	6.14	37.49	35.38	Peak	100	172	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15692.32	39.65	54.00	-14.35	31.40	6.14	37.49	35.38	Average	100	54	VERTICAL
2	15699.28	51.40	74.00	-22.60	43.15	6.14	37.49	35.38	Peak	100	54	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 1TX / Chain 1
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15603.33	50.92	74.00	-23.08	42.53	6.13	37.60	35.34	Peak	100	99	HORIZONTAL
2	15668.85	37.79	54.00	-16.21	29.49	6.14	37.53	35.37	Average	100	99	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15593.46	50.18	74.00	-23.82	41.79	6.13	37.60	35.34	Peak	100	193	VERTICAL
2	15638.46	37.77	54.00	-16.23	29.42	6.14	37.56	35.35	Average	100	193	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15533.78	51.64	74.00	-22.36	43.13	6.13	37.67	35.29	Peak	100	135	HORIZONTAL
2	15547.79	38.42	54.00	-15.58	29.95	6.13	37.65	35.31	Average	100	135	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.49	50.72	74.00	-23.28	42.21	6.13	37.69	35.31	Peak	100	65	VERTICAL
2	15543.85	38.30	54.00	-15.70	29.79	6.13	37.69	35.31	Average	100	65	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.33	50.82	74.00	-23.18	42.43	6.13	37.60	35.34	Peak	100	185	HORIZONTAL
2	15605.45	38.09	54.00	-15.91	29.70	6.13	37.60	35.34	Average	100	185	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15593.69	50.93	74.00	-23.07	42.54	6.13	37.60	35.34	Peak	100	100	VERTICAL
2	15601.44	38.08	54.00	-15.92	29.69	6.13	37.60	35.34	Average	100	100	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.61	51.37	74.00	-22.63	43.14	6.14	37.48	35.39	Peak	100	224	HORIZONTAL
2	15721.06	39.54	54.00	-14.46	31.31	6.14	37.48	35.39	Average	100	224	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.08	40.41	54.00	-13.59	32.18	6.14	37.48	35.39	Average	100	189	VERTICAL
2	15720.16	52.79	74.00	-21.21	44.56	6.14	37.48	35.39	Peak	100	189	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15561.96	38.30	54.00	-15.70	29.85	6.13	37.63	35.31	Average	100	185	HORIZONTAL
2	15575.80	51.10	74.00	-22.90	42.69	6.13	37.61	35.33	Peak	100	185	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15561.22	50.95	74.00	-23.05	42.48	6.13	37.65	35.31	Peak	100	97	VERTICAL
2	15573.21	38.30	54.00	-15.70	29.89	6.13	37.61	35.33	Average	100	97	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15688.43	51.20	74.00	-22.80	42.92	6.14	37.51	35.37	Peak	100	235	HORIZONTAL
2	15693.14	38.59	54.00	-15.41	30.34	6.14	37.49	35.38	Average	100	235	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15698.24	51.12	74.00	-22.88	42.87	6.14	37.49	35.38	Peak	100	323	VERTICAL
2	15700.00	38.34	54.00	-15.66	30.09	6.14	37.49	35.38	Average	100	323	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15624.58	38.18	54.00	-15.82	29.83	6.14	37.56	35.35	Average	100	189	HORIZONTAL
2	15639.74	51.12	74.00	-22.88	42.78	6.14	37.56	35.36	Peak	100	189	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15626.47	38.04	54.00	-15.96	29.69	6.14	37.56	35.35	Average	100	52	VERTICAL
2	15626.63	51.02	74.00	-22.98	42.67	6.14	37.56	35.35	Peak	100	52	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.36	52.63	74.00	-21.37	44.16	6.13	37.65	35.31	Peak	100	330	HORIZONTAL
2	15541.46	39.75	54.00	-14.25	31.28	6.13	37.65	35.31	Average	100	330	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15542.36	53.30	74.00	-20.70	44.79	6.13	37.69	35.31	Peak	100	102	VERTICAL
2	15542.90	39.91	54.00	-14.09	31.40	6.13	37.69	35.31	Average	100	102	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.48	53.22	74.00	-20.78	44.83	6.13	37.60	35.34	Peak	100	225	HORIZONTAL
2	15601.06	39.92	54.00	-14.08	31.53	6.13	37.60	35.34	Average	100	225	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.42	53.33	74.00	-20.67	44.94	6.13	37.60	35.34	Peak	100	19	VERTICAL
2	15603.54	40.00	54.00	-14.00	31.61	6.13	37.60	35.34	Average	100	19	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15715.66	39.10	54.00	-14.90	30.86	6.14	37.48	35.38	Average	100	135	HORIZONTAL
2	15722.92	51.88	74.00	-22.12	43.65	6.14	37.48	35.39	Peak	100	135	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.20	52.86	74.00	-21.14	44.63	6.14	37.48	35.39	Peak	100	331	VERTICAL
2	15719.98	39.96	54.00	-14.04	31.73	6.14	37.48	35.39	Average	100	331	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.00	40.05	54.00	-13.95	31.62	6.13	37.63	35.33	Average	100	329	HORIZONTAL
2	15570.00	53.33	74.00	-20.67	44.90	6.13	37.63	35.33	Peak	100	329	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.00	40.10	54.00	-13.90	31.65	6.13	37.65	35.33	Average	100	28	VERTICAL
2	15570.00	53.16	74.00	-20.84	44.71	6.13	37.65	35.33	Peak	100	28	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15675.76	39.60	54.00	-14.40	31.32	6.14	37.51	35.37	Average	100	337	HORIZONTAL
2	15684.64	52.49	74.00	-21.51	44.21	6.14	37.51	35.37	Peak	100	337	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15680.16	39.64	54.00	-14.36	31.36	6.14	37.51	35.37	Average	100	70	VERTICAL
2	15690.48	51.86	74.00	-22.14	43.58	6.14	37.51	35.37	Peak	100	70	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 2TX / Chain 1 + Chain 2
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15628.28	53.35	74.00	-20.65	45.00	6.14	37.56	35.35	Peak	100	342	HORIZONTAL
2	15630.84	40.30	54.00	-13.70	31.95	6.14	37.56	35.35	Average	100	342	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15626.02	53.80	74.00	-20.20	45.45	6.14	37.56	35.35	Peak	100	176	VERTICAL
2	15627.98	40.10	54.00	-13.90	31.75	6.14	37.56	35.35	Average	100	176	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15536.20	51.48	74.00	-22.52	42.97	6.13	37.67	35.29	Peak	100	82	HORIZONTAL
2	15543.88	38.21	54.00	-15.79	29.74	6.13	37.65	35.31	Average	100	82	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15541.04	51.12	74.00	-22.88	42.61	6.13	37.69	35.31	Peak	100	272	VERTICAL
2	15541.68	38.26	54.00	-15.74	29.75	6.13	37.69	35.31	Average	100	272	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.64	52.03	74.00	-21.97	43.64	6.13	37.60	35.34	Peak	100	319	HORIZONTAL
2	15601.18	38.60	54.00	-15.40	30.21	6.13	37.60	35.34	Average	100	319	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15601.40	51.47	74.00	-22.53	43.08	6.13	37.60	35.34	Peak	100	16	VERTICAL
2	15603.40	38.54	54.00	-15.46	30.15	6.13	37.60	35.34	Average	100	16	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15721.60	54.82	74.00	-19.18	46.59	6.14	37.48	35.39	Peak	105	166	HORIZONTAL
2	15723.46	41.74	54.00	-12.26	33.51	6.14	37.48	35.39	Average	105	166	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15723.54	42.32	54.00	-11.68	34.09	6.14	37.48	35.39	Average	100	293	VERTICAL
2	15723.84	56.55	74.00	-17.45	48.32	6.14	37.48	35.39	Peak	100	293	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15565.14	51.14	74.00	-22.86	42.71	6.13	37.63	35.33	Peak	100	180	HORIZONTAL
2	15565.26	38.24	54.00	-15.76	29.81	6.13	37.63	35.33	Average	100	180	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.24	51.38	74.00	-22.62	42.93	6.13	37.65	35.33	Peak	100	143	VERTICAL
2	15572.70	38.20	54.00	-15.80	29.79	6.13	37.61	35.33	Average	100	143	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.92	52.21	74.00	-21.79	43.93	6.14	37.51	35.37	Peak	100	139	HORIZONTAL
2	15693.02	39.11	54.00	-14.89	30.86	6.14	37.49	35.38	Average	100	139	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15685.88	52.29	74.00	-21.71	44.01	6.14	37.51	35.37	Peak	100	163	VERTICAL
2	15693.98	39.27	54.00	-14.73	31.02	6.14	37.49	35.38	Average	100	163	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15623.72	38.69	54.00	-15.31	30.35	6.13	37.56	35.35	Average	100	20	HORIZONTAL
2	15636.76	51.72	74.00	-22.28	43.37	6.14	37.56	35.35	Peak	100	20	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15627.64	51.47	74.00	-22.53	43.12	6.14	37.56	35.35	Peak	100	138	VERTICAL
2	15633.88	38.64	54.00	-15.36	30.29	6.14	37.56	35.35	Average	100	138	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15544.12	39.78	54.00	-14.22	31.31	6.13	37.65	35.31	Average	100	240	HORIZONTAL
2	15544.40	53.05	74.00	-20.95	44.58	6.13	37.65	35.31	Peak	100	240	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15535.68	39.78	54.00	-14.22	31.21	6.13	37.73	35.29	Average	100	154	VERTICAL
2	15544.84	52.00	74.00	-22.00	43.49	6.13	37.69	35.31	Peak	100	154	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.00	52.50	74.00	-21.50	44.11	6.13	37.60	35.34	Peak	100	307	HORIZONTAL
2	15604.72	39.84	54.00	-14.16	31.45	6.13	37.60	35.34	Average	100	307	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15591.64	52.51	74.00	-21.49	44.12	6.13	37.60	35.34	Peak	100	207	VERTICAL
2	15603.12	39.93	54.00	-14.07	31.54	6.13	37.60	35.34	Average	100	207	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15713.24	39.44	54.00	-14.56	31.20	6.14	37.48	35.38	Average	100	59	HORIZONTAL
2	15714.60	52.57	74.00	-21.43	44.33	6.14	37.48	35.38	Peak	100	59	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.72	52.35	74.00	-21.65	44.12	6.14	37.48	35.39	Peak	100	166	VERTICAL
2	15721.84	39.62	54.00	-14.38	31.39	6.14	37.48	35.39	Average	100	166	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15564.72	39.83	54.00	-14.17	31.40	6.13	37.63	35.33	Average	100	127	HORIZONTAL
2	15569.48	53.49	74.00	-20.51	45.06	6.13	37.63	35.33	Peak	100	127	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15563.24	53.07	74.00	-20.93	44.60	6.13	37.65	35.31	Peak	100	232	VERTICAL
2	15565.64	39.91	54.00	-14.09	31.46	6.13	37.65	35.33	Average	100	232	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15680.00	39.58	54.00	-14.42	31.30	6.14	37.51	35.37	Average	100	190	HORIZONTAL
2	15697.92	52.91	74.00	-21.09	44.66	6.14	37.49	35.38	Peak	100	190	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15680.68	39.33	54.00	-14.67	31.05	6.14	37.51	35.37	Average	100	293	VERTICAL
2	15695.44	51.85	74.00	-22.15	43.60	6.14	37.49	35.38	Peak	100	293	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15621.80	52.85	74.00	-21.15	44.49	6.13	37.58	35.35	Peak	100	187	HORIZONTAL
2	15628.64	40.51	54.00	-13.49	32.16	6.14	37.56	35.35	Average	100	187	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15622.40	54.10	74.00	-19.90	45.74	6.13	37.58	35.35	Peak	100	85	VERTICAL
2	15629.24	40.18	54.00	-13.82	31.83	6.14	37.56	35.35	Average	100	85	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 36 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15536.47	51.71	74.00	-22.29	43.20	6.13	37.67	35.29	Peak	100	188	HORIZONTAL
2	15537.34	38.56	54.00	-15.44	30.05	6.13	37.67	35.29	Average	100	188	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15541.19	38.51	54.00	-15.49	30.00	6.13	37.69	35.31	Average	100	91	VERTICAL
2	15545.48	51.34	74.00	-22.66	42.83	6.13	37.69	35.31	Peak	100	91	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 40 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.97	38.50	54.00	-15.50	30.11	6.13	37.60	35.34	Average	100	237	HORIZONTAL
2	15604.71	50.62	74.00	-23.38	42.23	6.13	37.60	35.34	Peak	100	237	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.16	38.44	54.00	-15.56	30.05	6.13	37.60	35.34	Average	100	153	VERTICAL
2	15600.16	51.02	74.00	-22.98	42.63	6.13	37.60	35.34	Peak	100	153	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 Ch 48 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15713.24	38.80	54.00	-15.20	30.56	6.14	37.48	35.38	Average	100	314	HORIZONTAL
2	15713.53	51.50	74.00	-22.50	43.26	6.14	37.48	35.38	Peak	100	314	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15717.08	38.75	54.00	-15.25	30.52	6.14	37.48	35.39	Average	100	241	VERTICAL
2	15723.17	51.30	74.00	-22.70	43.07	6.14	37.48	35.39	Peak	100	241	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 38 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.66	38.41	54.00	-15.59	29.98	6.13	37.63	35.33	Average	100	199	HORIZONTAL
2	15577.47	50.96	74.00	-23.04	42.55	6.13	37.61	35.33	Peak	100	199	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15565.74	51.05	74.00	-22.95	42.60	6.13	37.65	35.33	Peak	100	127	VERTICAL
2	15570.67	38.42	54.00	-15.58	29.97	6.13	37.65	35.33	Average	100	127	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 Ch 46 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15691.35	51.45	74.00	-22.55	43.20	6.14	37.49	35.38	Peak	100	266	HORIZONTAL
2	15699.71	38.75	54.00	-15.25	30.50	6.14	37.49	35.38	Average	100	266	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15685.45	51.62	74.00	-22.38	43.34	6.14	37.51	35.37	Peak	100	189	VERTICAL
2	15699.36	38.79	54.00	-15.21	30.54	6.14	37.49	35.38	Average	100	189	VERTICAL

Temperature	25.6°C	Humidity	56%
Test Engineer	Jim Huang	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 Ch 42 / 3TX / Chain 1 + Chain 2 + Chain 3
Test Date	Jul. 02, 2013	Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15631.28	51.30	74.00	-22.70	42.95	6.14	37.56	35.35	Peak	100	70	HORIZONTAL
2	15639.81	38.32	54.00	-15.68	29.98	6.14	37.56	35.36	Average	100	70	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15623.46	52.15	74.00	-21.85	43.81	6.13	37.56	35.35	Peak	100	165	VERTICAL
2	15634.78	38.53	54.00	-15.47	30.18	6.14	37.56	35.35	Average	100	165	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

4.7. Band Edge Emissions Measurement

4.7.1. Limit

For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.25 GHz band shall not exceed a -27dBm peak limit or average 54dBuV/m and peak 74dBuV/m limits. In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/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

4.7.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1 MHz / 10Hz for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for peak

4.7.3. Test Procedures

1. The test procedure is the same as section 4.6.3, only the frequency range investigated is limited to 100MHz around bandedges.
2. In case the emission is fail due to the used RB/VB is too wide, marker-delta method of FCC Public Notice DA00-705 will be followed.

4.7.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.6.4.

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.92	71.47	74.00	-2.53	34.37	3.43	33.67	0.00	Peak	100	39	VERTICAL
2	5150.00	52.93	54.00	-1.07	15.83	3.43	33.67	0.00	Average	100	39	VERTICAL
3	5185.93	101.81			64.64	3.44	33.73	0.00	Average	100	39	VERTICAL
4	5186.57	113.00			75.83	3.44	33.73	0.00	Peak	100	39	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.36	70.56	74.00	-3.44	33.46	3.43	33.67	0.00	Peak	100	360	VERTICAL
2	5150.00	49.18	54.00	-4.82	12.08	3.43	33.67	0.00	Average	100	360	VERTICAL
3	5193.59	103.21			66.04	3.44	33.73	0.00	Average	100	360	VERTICAL
4	5197.76	114.53			77.32	3.45	33.76	0.00	Peak	100	360	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5142.63	58.32	74.00	-15.68	21.25	3.43	33.64	0.00	Peak	100	57	VERTICAL
2	5150.00	42.96	54.00	-11.04	5.86	3.43	33.67	0.00	Average	100	57	VERTICAL
3	5243.21	113.57			76.29	3.46	33.82	0.00	Peak	100	57	VERTICAL
4	5244.81	101.95			64.67	3.46	33.82	0.00	Average	100	57	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT40 Ch38, 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.76	66.22	74.00	-7.78	29.12	3.43	33.67	0.00	Peak	100	353	VERTICAL
2	5150.00	52.86	54.00	-1.14	15.76	3.43	33.67	0.00	Average	100	353	VERTICAL
3	5187.76	95.79			58.62	3.44	33.73	0.00	Average	100	353	VERTICAL
4	5187.76	107.94			70.77	3.44	33.73	0.00	Peak	100	353	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.36	59.96	74.00	-14.04	22.86	3.43	33.67	0.00	Peak	100	59	VERTICAL
2	5150.00	46.12	54.00	-7.88	9.02	3.43	33.67	0.00	Average	100	59	VERTICAL
3	5241.22	97.78			60.50	3.46	33.82	0.00	Average	100	59	VERTICAL
4	5244.10	109.67			72.39	3.46	33.82	0.00	Peak	100	59	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 Ch 36, 40, 48 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	52.44	54.00	-1.56	15.34	3.43	33.67	0.00	Average	102	360	VERTICAL
2	5150.00	72.08	74.00	-1.92	34.98	3.43	33.67	0.00	Peak	102	360	VERTICAL
3	5183.21	113.74			76.57	3.44	33.73	0.00	Peak	102	360	VERTICAL
4	5184.65	102.19			65.02	3.44	33.73	0.00	Average	102	360	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5146.15	71.14	74.00	-2.86	34.04	3.43	33.67	0.00	Peak	100	39	VERTICAL
2	5150.00	49.84	54.00	-4.16	12.74	3.43	33.67	0.00	Average	100	39	VERTICAL
3	5193.59	103.73			66.56	3.44	33.73	0.00	Average	100	39	VERTICAL
4	5195.83	115.23			78.02	3.45	33.76	0.00	Peak	100	39	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.68	60.37	74.00	-13.63	23.27	3.43	33.67	0.00	Peak	100	57	VERTICAL
2	5150.00	42.90	54.00	-11.10	5.80	3.43	33.67	0.00	Average	100	57	VERTICAL
3	5244.81	102.05			64.77	3.46	33.82	0.00	Average	100	57	VERTICAL
4	5246.41	113.60			76.29	3.46	33.85	0.00	Peak	100	57	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 Ch38, 46 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 38

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.68	66.40	74.00	-7.60	29.30	3.43	33.67	0.00	Peak	100	4	VERTICAL
2	5150.00	52.51	54.00	-1.49	15.41	3.43	33.67	0.00	Average	100	4	VERTICAL
3	5186.15	106.23			69.06	3.44	33.73	0.00	Peak	100	4	VERTICAL
4	5188.08	94.23			57.06	3.44	33.73	0.00	Average	100	4	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5149.36	59.70	74.00	-14.30	22.60	3.43	33.67	0.00	Peak	100	59	VERTICAL
2	5150.00	46.08	54.00	-7.92	8.98	3.43	33.67	0.00	Average	100	59	VERTICAL
3	5240.90	110.00			72.72	3.46	33.82	0.00	Peak	100	59	VERTICAL
4	5242.50	97.94			60.66	3.46	33.82	0.00	Average	100	59	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 Ch42 / 1TX / Chain 1
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 42

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	67.69	74.00	-6.31	30.59	3.43	33.67	0.00	Peak	114	12	VERTICAL
2	5151.00	53.00	54.00	-1.00	15.90	3.43	33.67	0.00	Average	114	12	VERTICAL
3	5178.75	87.05			49.88	3.44	33.73	0.00	Average	114	12	VERTICAL
4	5181.96	99.72			62.55	3.44	33.73	0.00	Peak	114	12	VERTICAL
5	5350.00	39.55	54.00	-14.45	2.03	3.49	34.03	0.00	Average	114	12	VERTICAL
6	5352.40	50.79	74.00	-23.21	13.27	3.49	34.03	0.00	Peak	114	12	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Temperature	25.6°C	Humidity	56%
Test Engineer	Wen Chao	Configurations	IEEE 802.11n MCS0 HT20 Ch 36, 40, 48 / 2TX / Chain 1 + Chain 2
Test Date	Apr. 25, 2013	Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)

Channel 36

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5148.08	72.87	74.00	-1.13	35.77	3.43	33.67	0.00	Peak	116	337	VERTICAL
2	5150.00	47.97	54.00	-6.03	10.87	3.43	33.67	0.00	Average	116	337	VERTICAL
3	5172.63	102.89			65.75	3.44	33.70	0.00	Average	116	337	VERTICAL
4	5173.43	114.04			76.90	3.44	33.70	0.00	Peak	116	337	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5147.12	72.64	74.00	-1.36	35.54	3.43	33.67	0.00	Peak	100	299	VERTICAL
2	5147.44	48.46	54.00	-5.54	11.36	3.43	33.67	0.00	Average	100	299	VERTICAL
3	5202.89	106.61			69.40	3.45	33.76	0.00	Average	100	299	VERTICAL
4	5204.49	118.02			80.81	3.45	33.76	0.00	Peak	100	299	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5150.00	42.06	54.00	-11.94	4.96	3.43	33.67	0.00	Average	100	267	VERTICAL
2	5150.00	60.09	74.00	-13.91	22.99	3.43	33.67	0.00	Peak	100	267	VERTICAL
3	5246.41	118.77			81.46	3.46	33.85	0.00	Peak	100	267	VERTICAL
4	5246.73	107.66			70.35	3.46	33.85	0.00	Average	100	267	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level