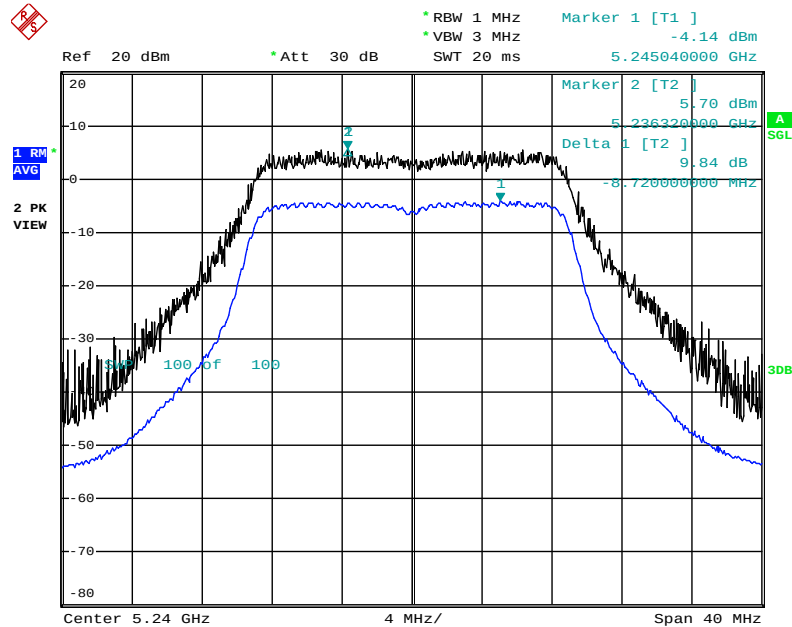


Mode 2 (Ant.3 Panel antenna / 12.5dBi)

1TX

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

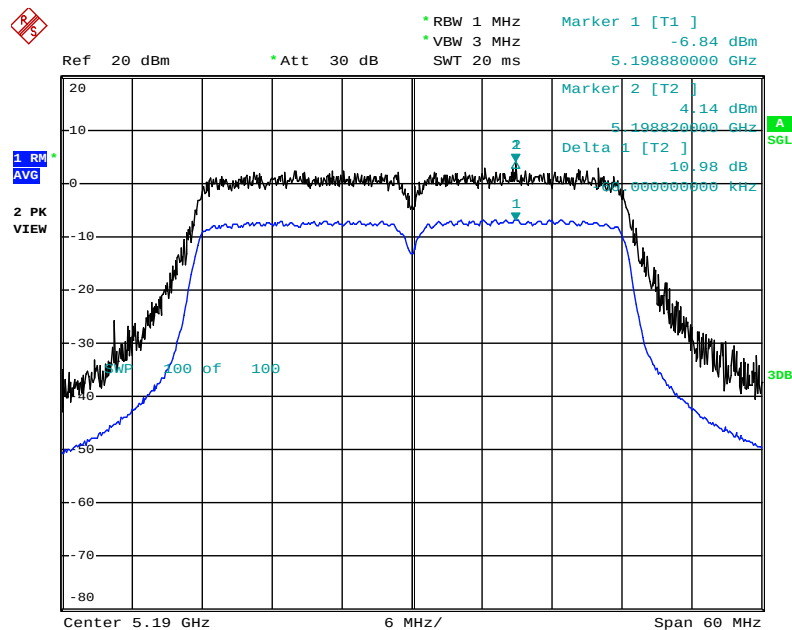
5240 MHz



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

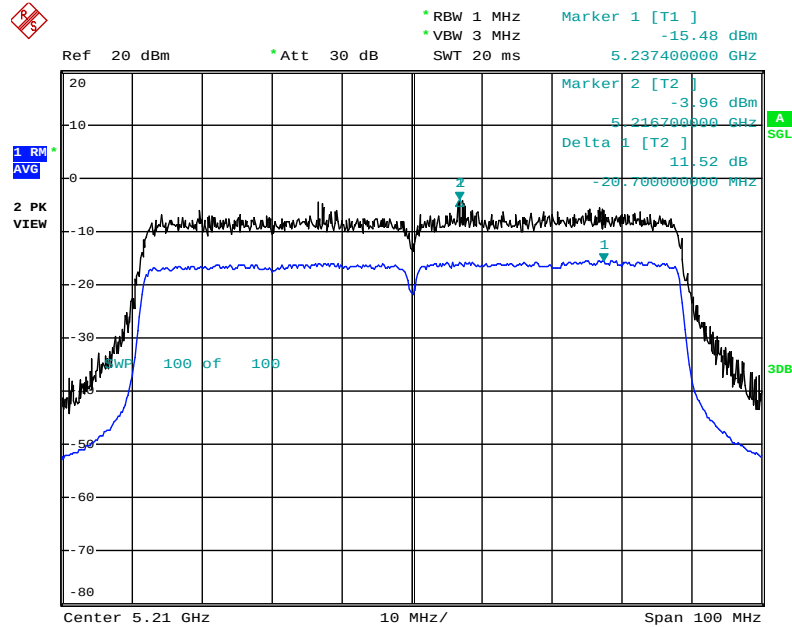
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 16QAM(MCS3) /

5190 MHz



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

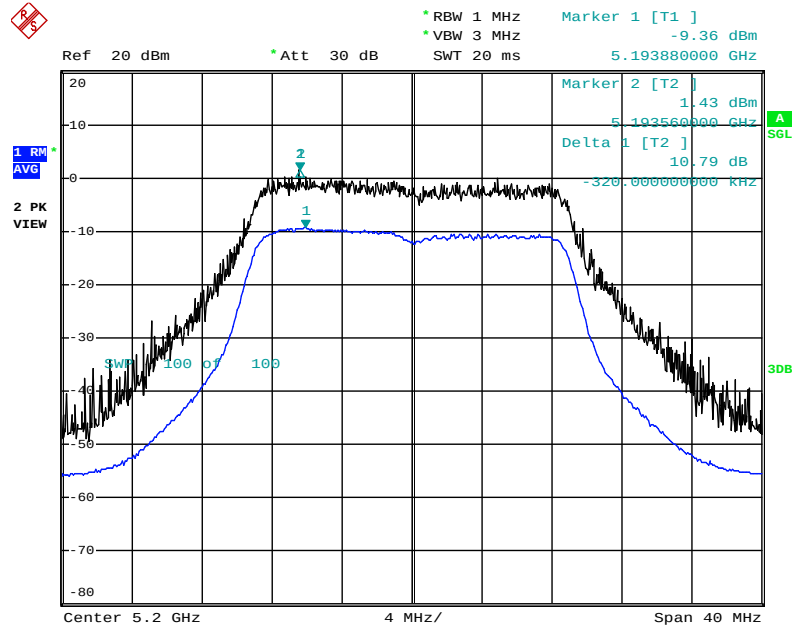
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5210 MHz



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

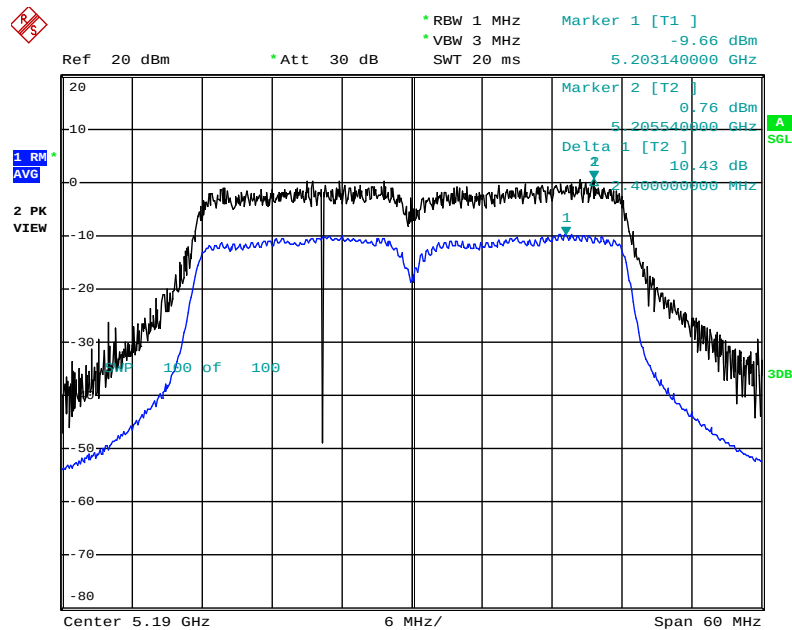
2TX

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



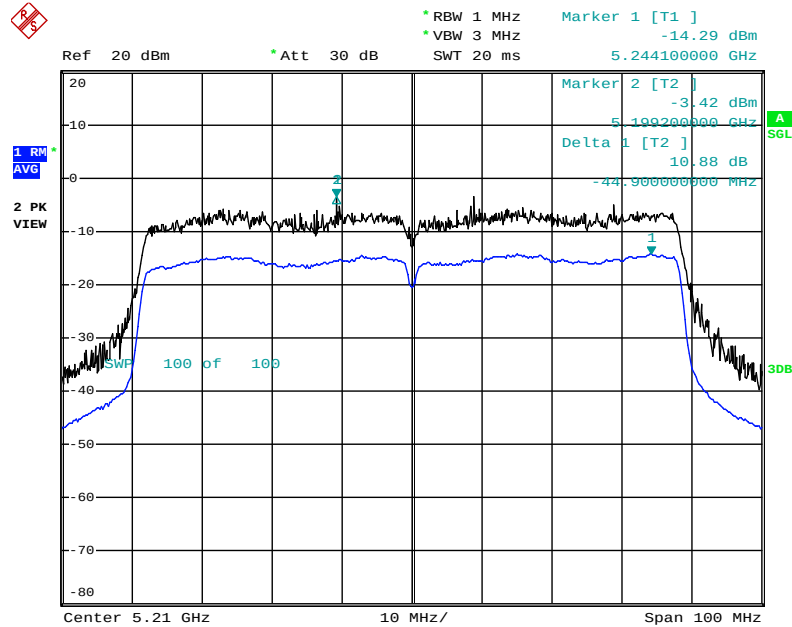
Date: 22.MAY.2013 19:16:30

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



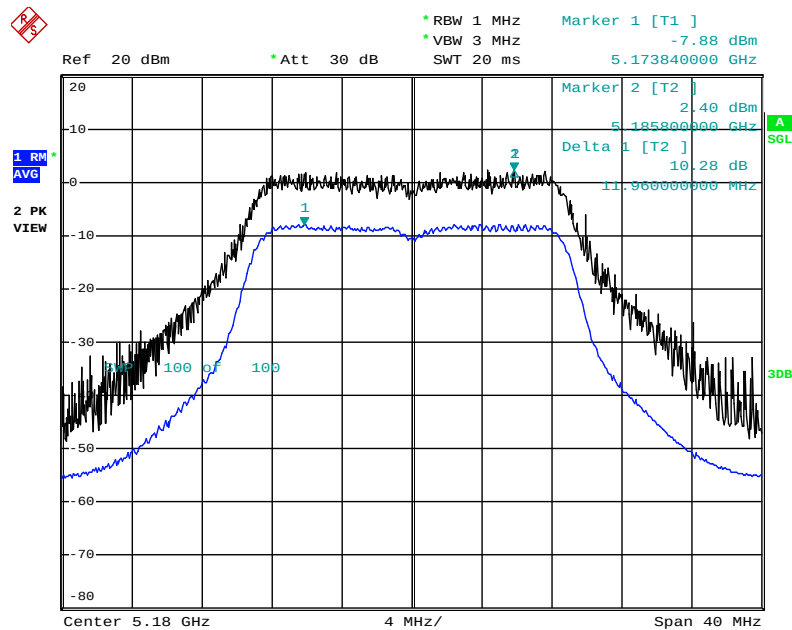
Date: 22.MAY.2013 19:19:01

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



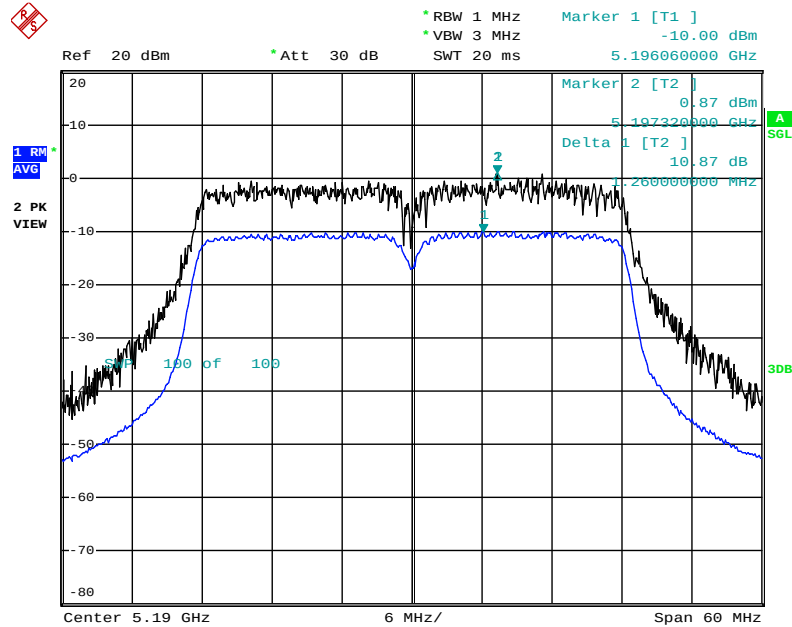
Date: 22.MAY.2013 19:20:26

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



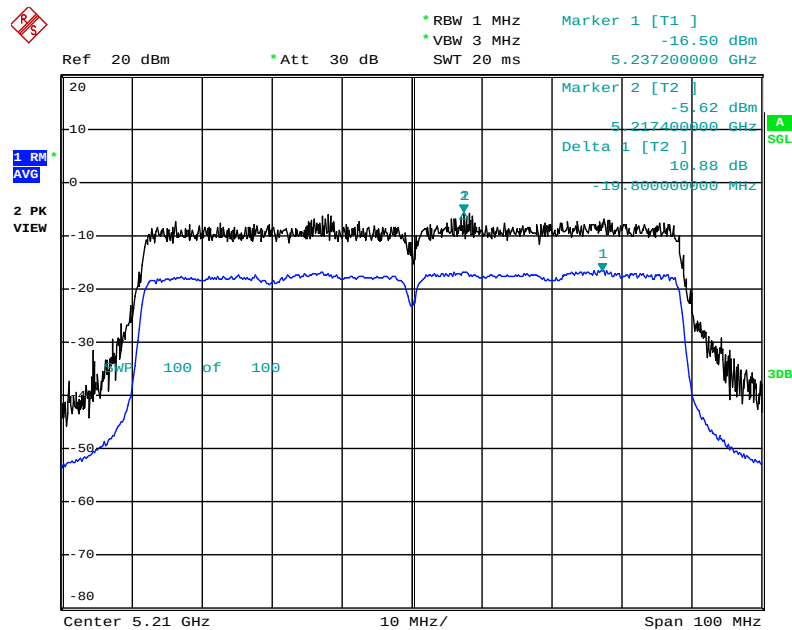
Date: 22.MAY.2013 19:32:12

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



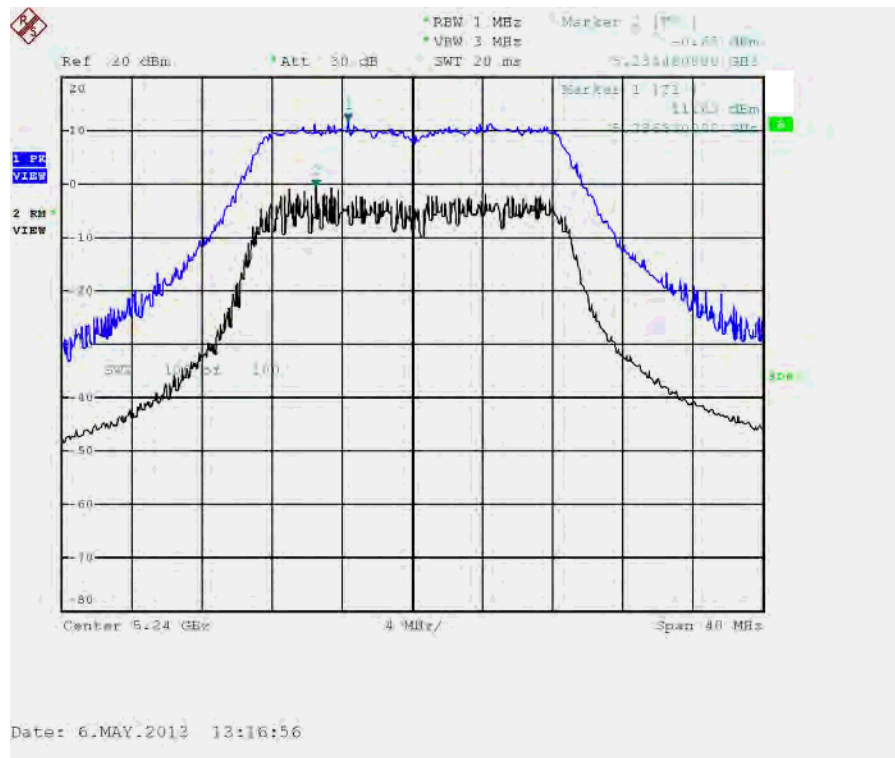
Date: 22.MAY.2013 19:25:27

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

1TX

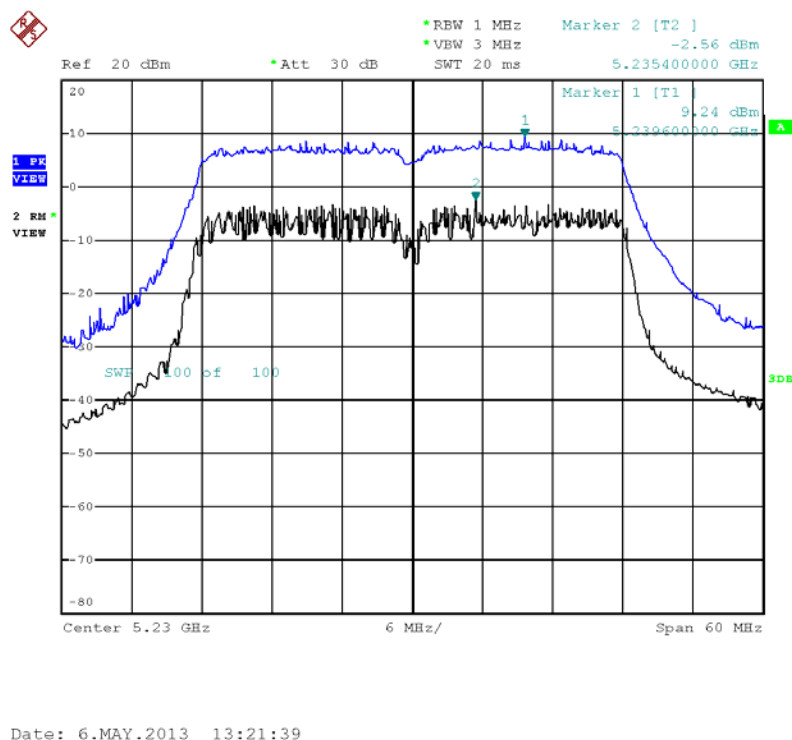
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 256QAM(MCS8) /

5240 MHz

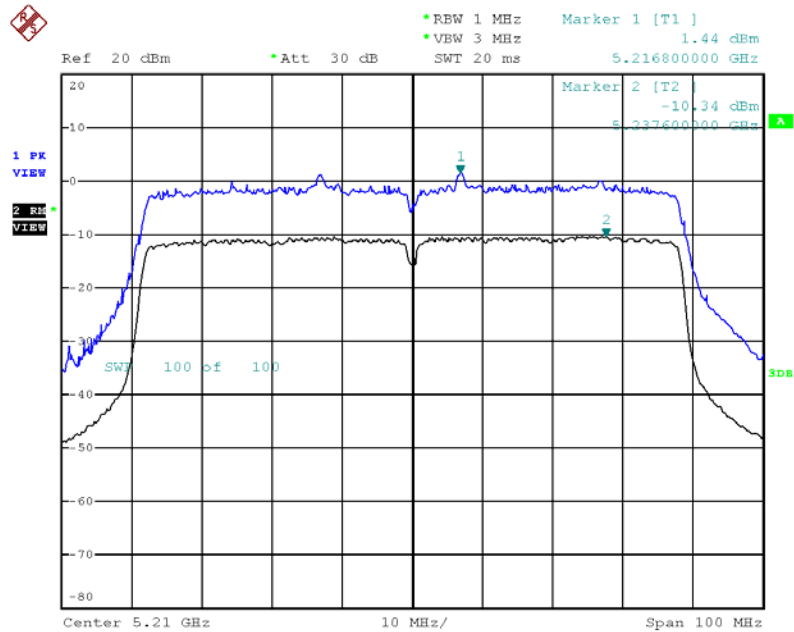


Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 16QAM(MCS3) /

5230 MHz



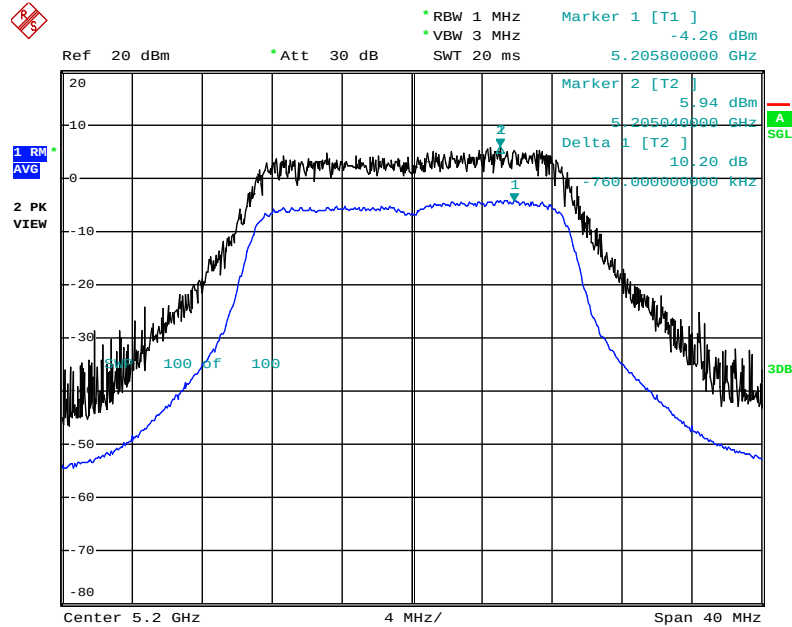
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5210 MHz



Date: 6.MAY.2013 15:16:14

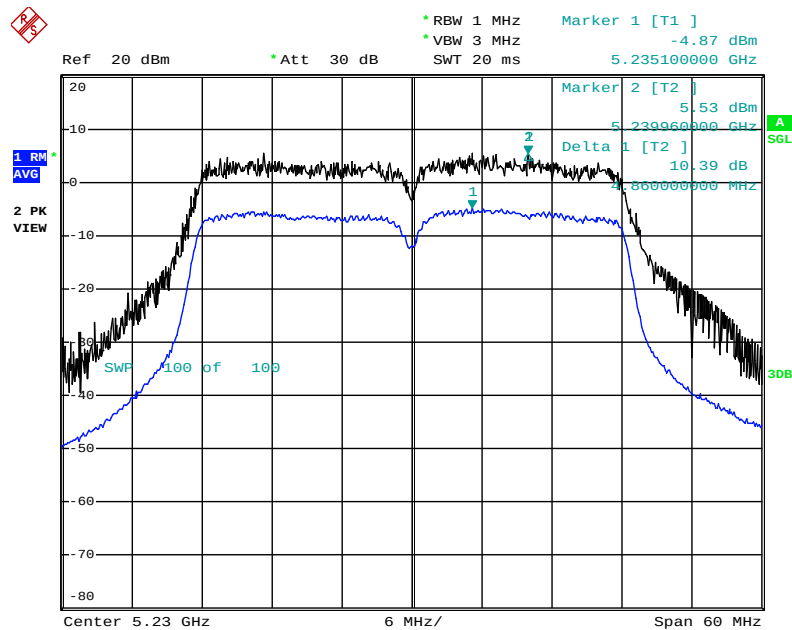
2TX

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



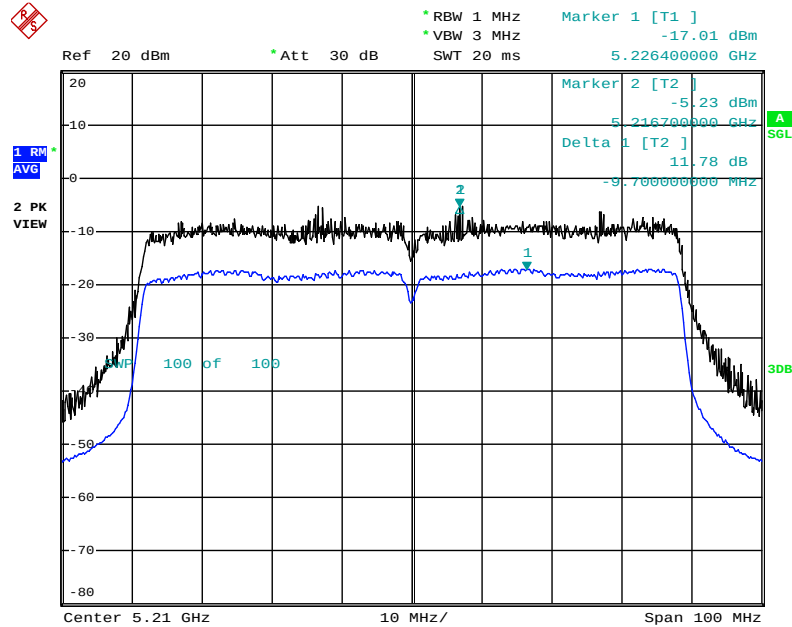
Date: 8.MAY.2013 20:29:24

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



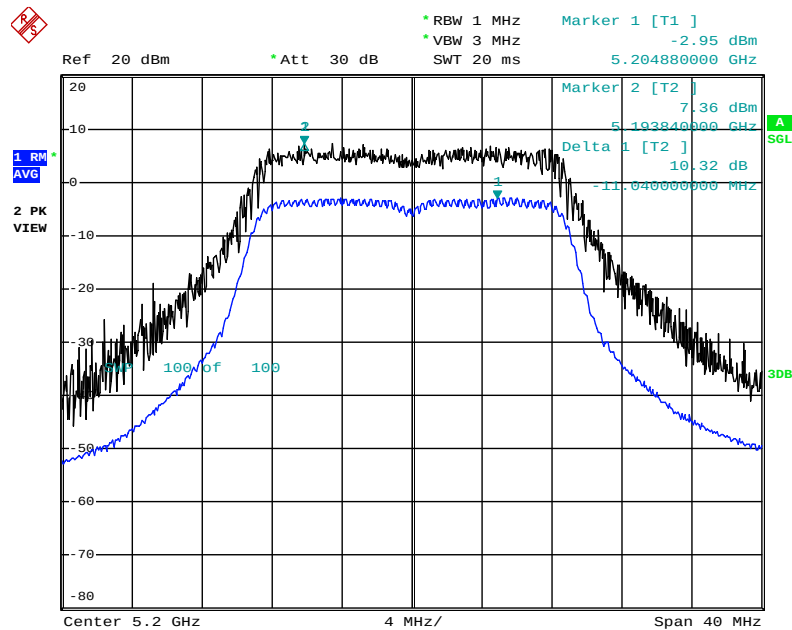
Date: 8.MAY.2013 23:15:15

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



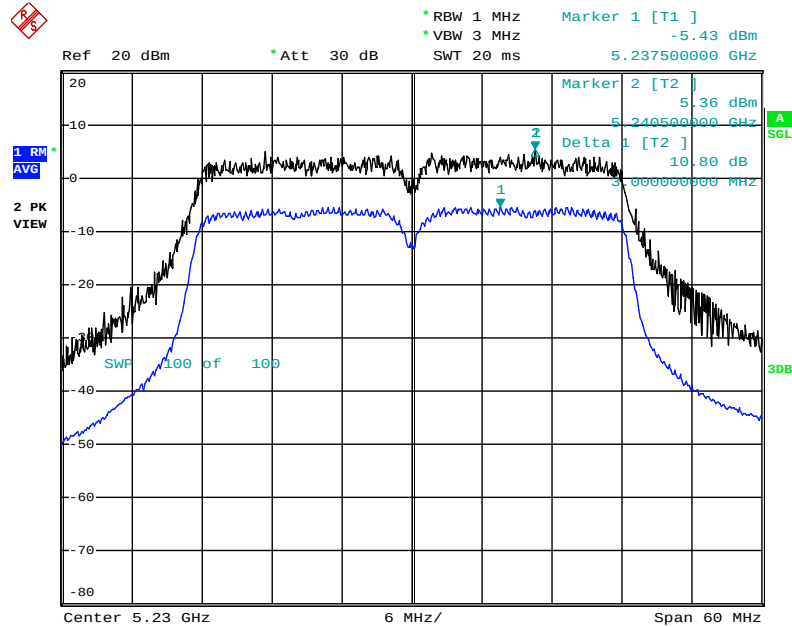
Date: 8.MAY.2013 23:18:14

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



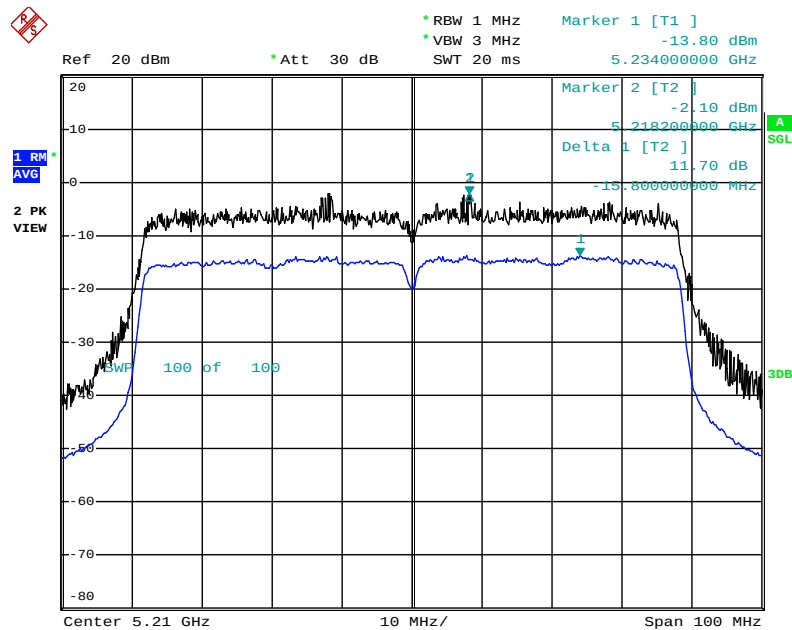
Date: 8.MAY.2013 21:03:16

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

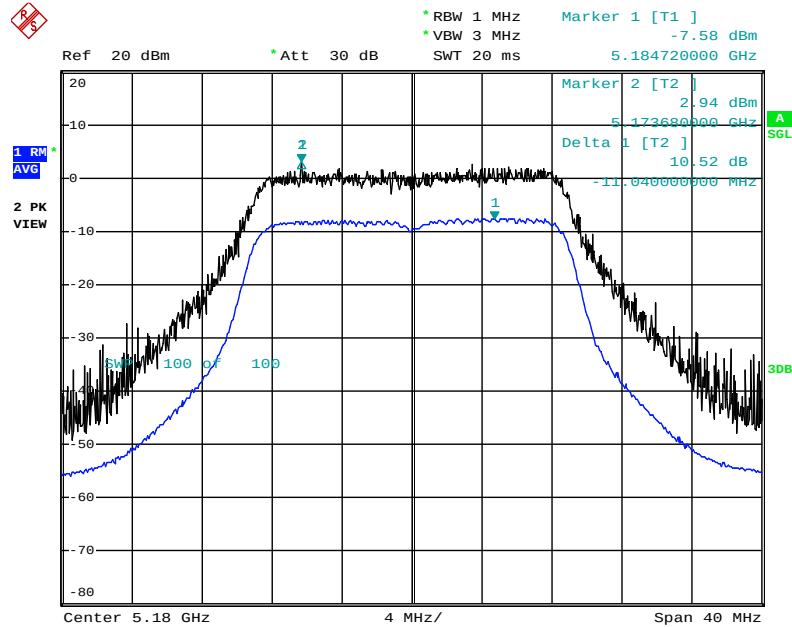
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5210 MHz



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

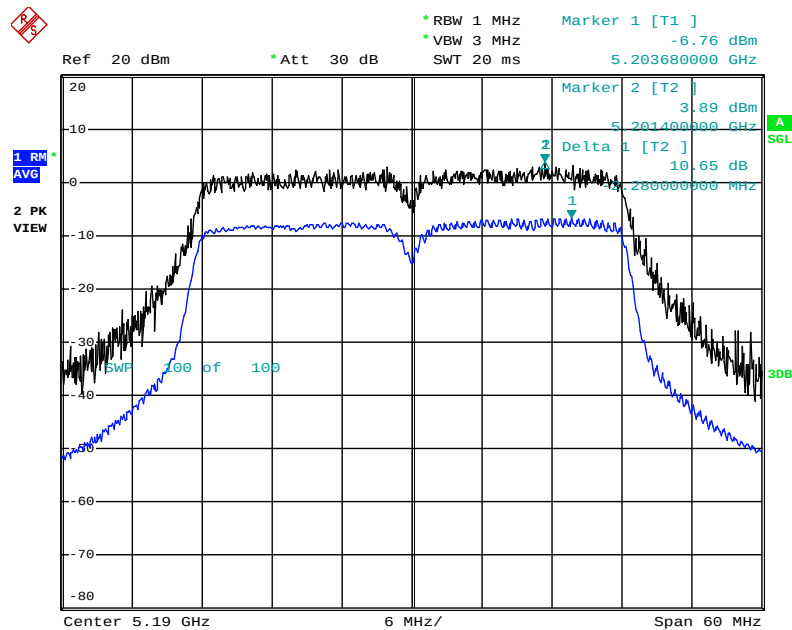
3TX

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



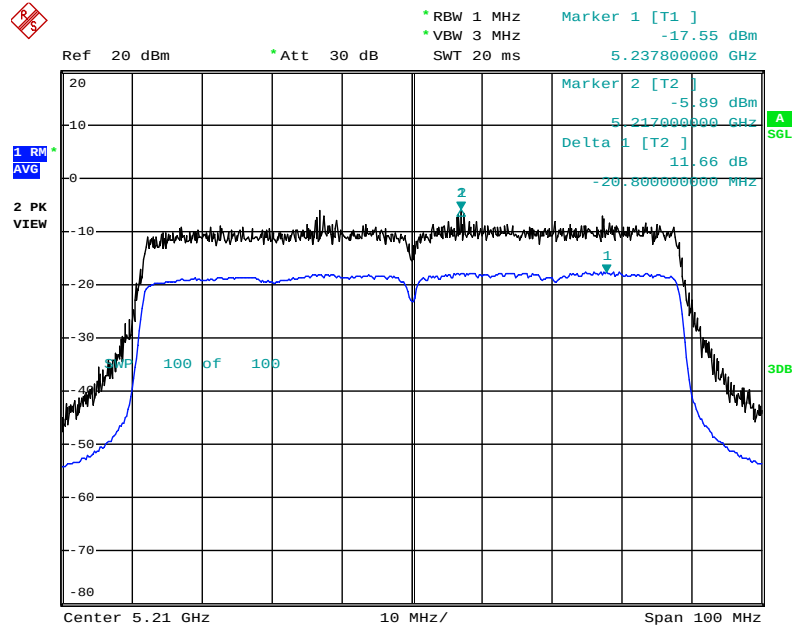
Date: 8.MAY.2013 22:22:22

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



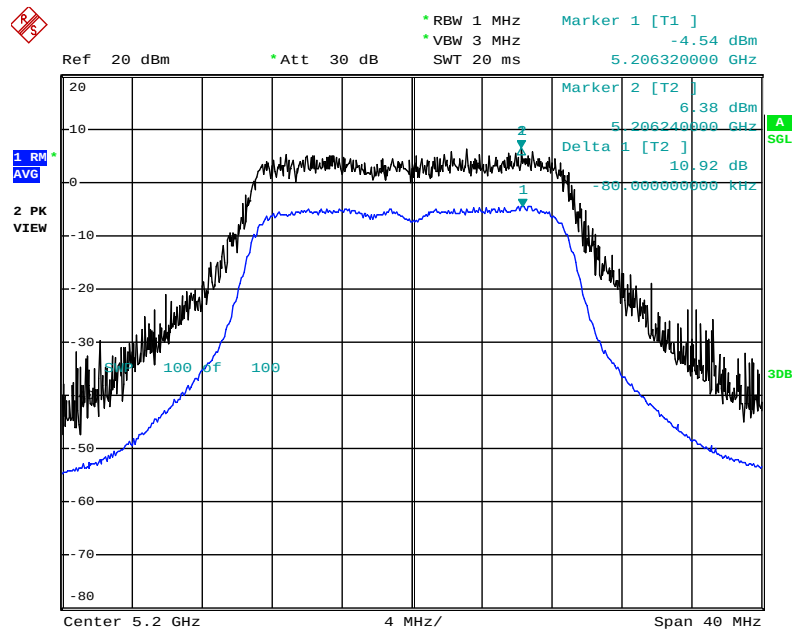
Date: 8.MAY.2013 21:15:16

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



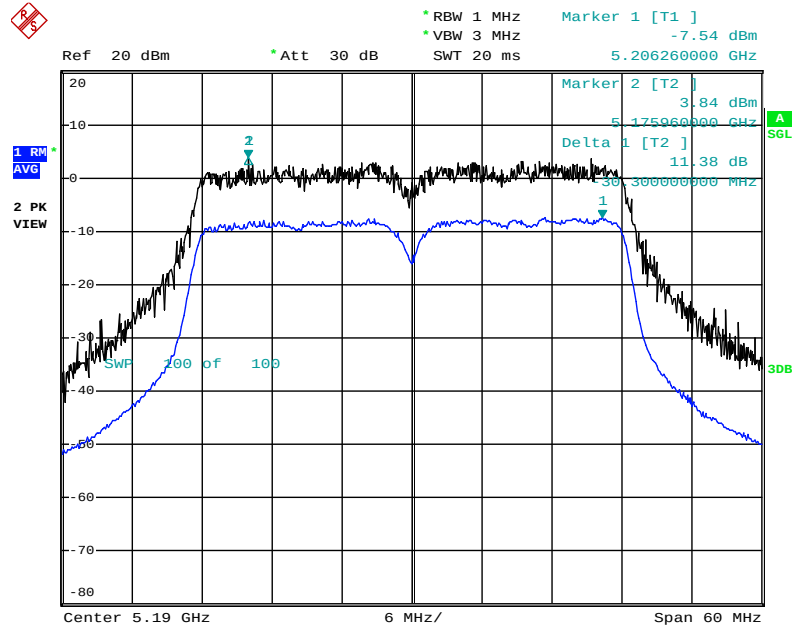
Date: 8.MAY.2013 22:03:10

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



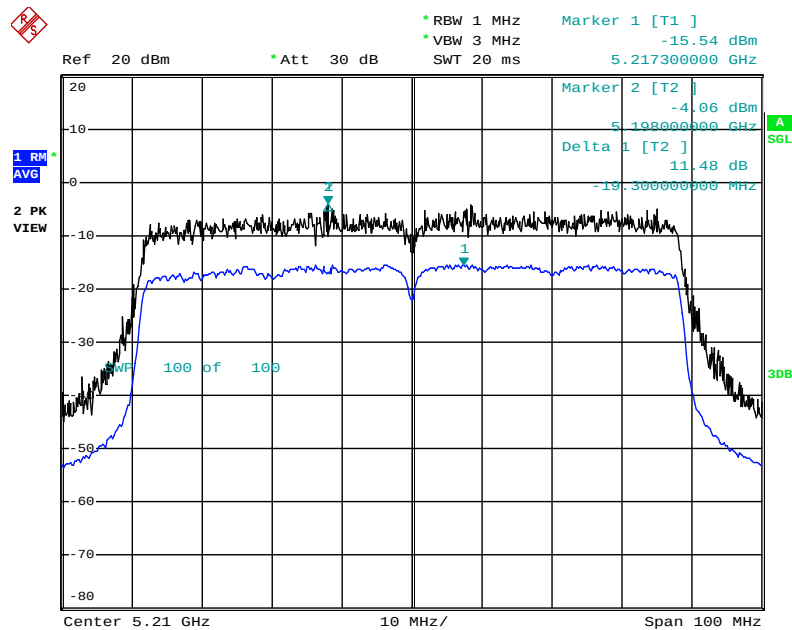
Date: 8.MAY.2013 21:42:20

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



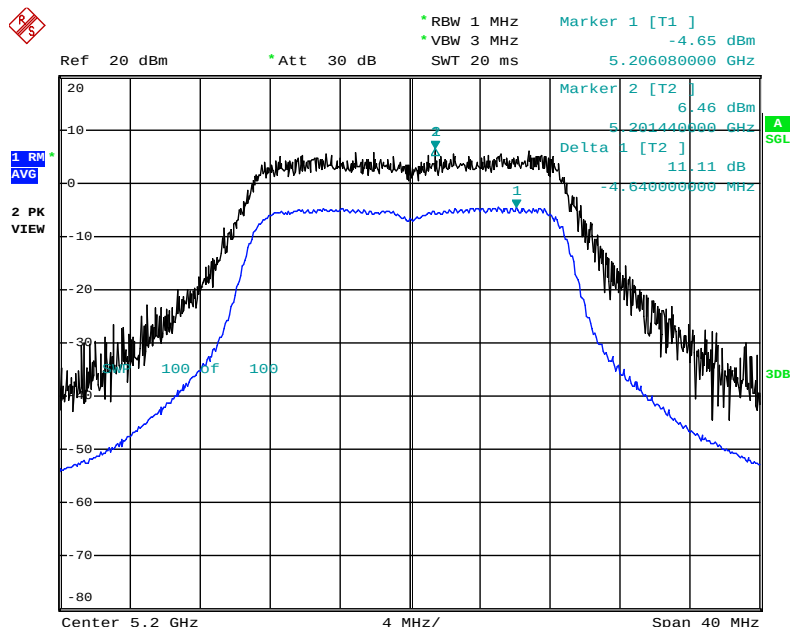
Date: 8.MAY.2013 21:31:14

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



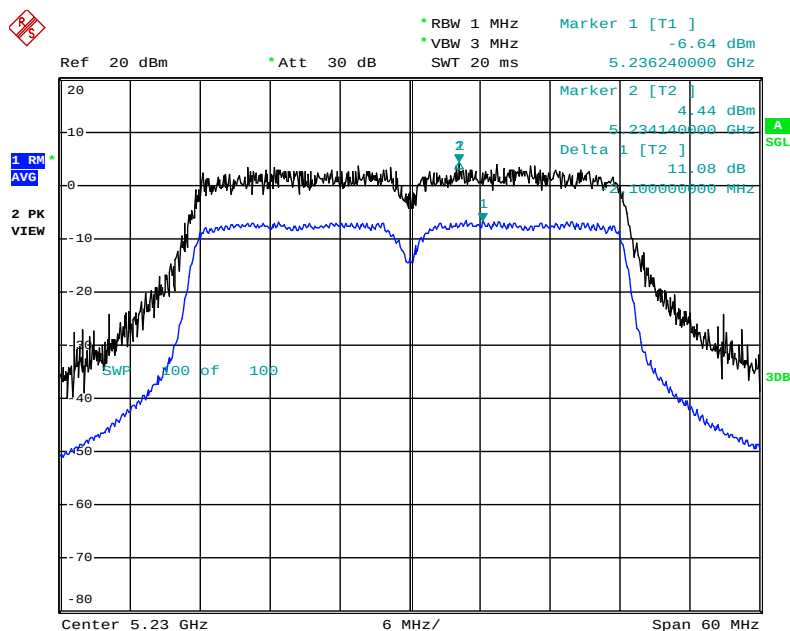
Date: 8.MAY.2013 22:35:24

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



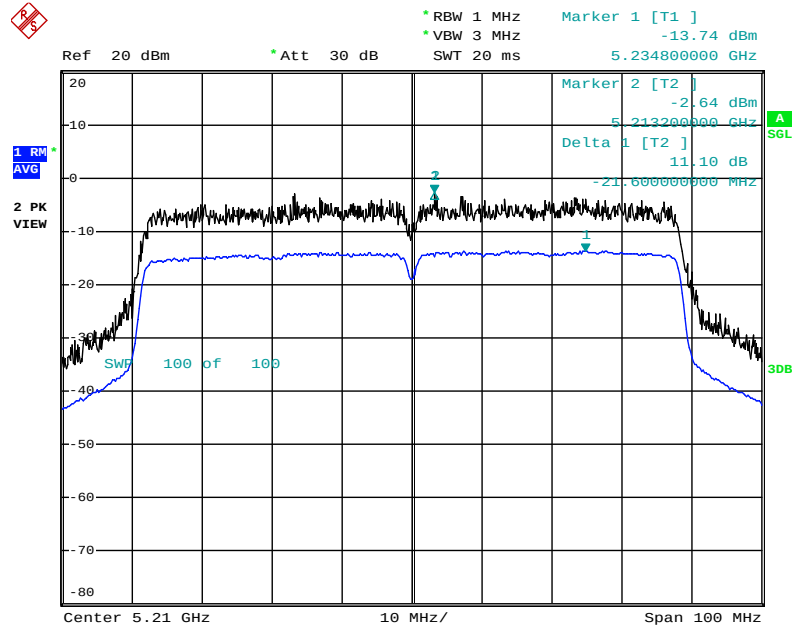
Date: 8.MAY.2013 21:47:55

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



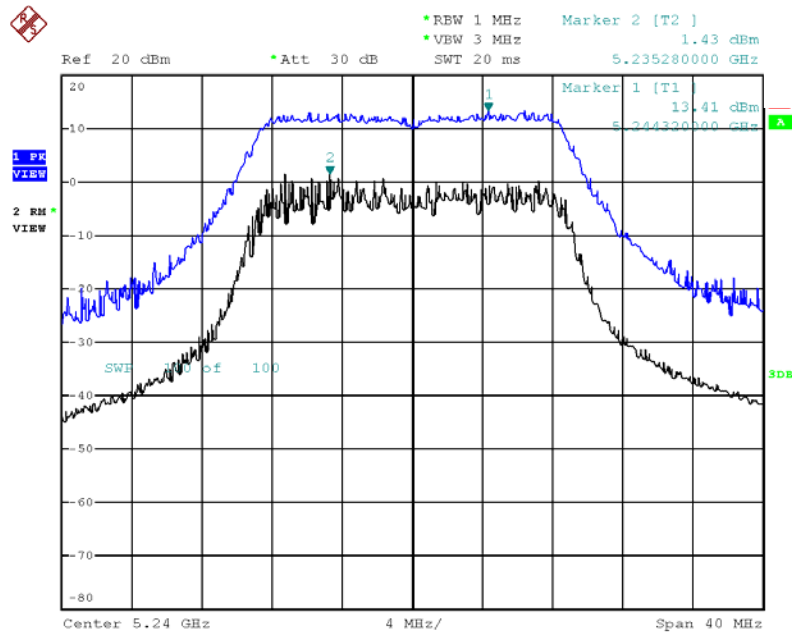
Date: 8.MAY.2013 22:39:07

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

1TX

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

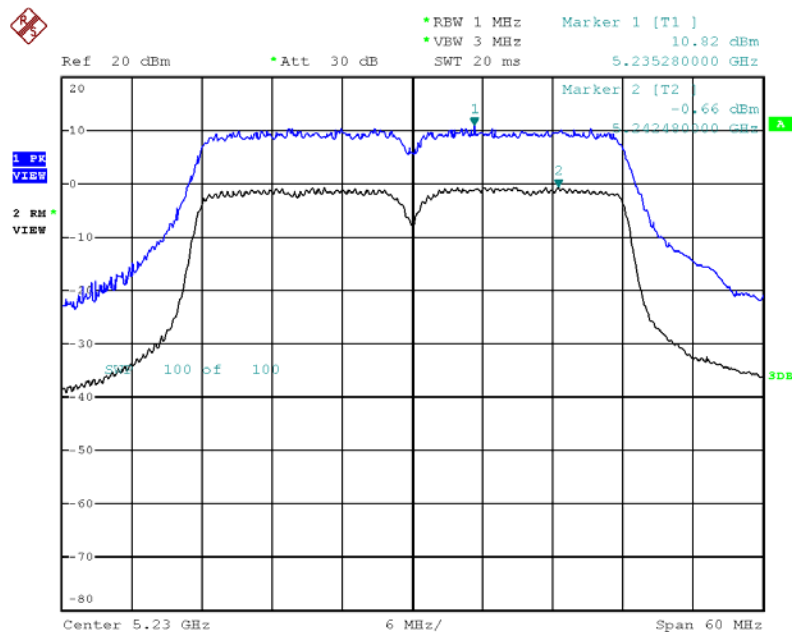
5240 MHz



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

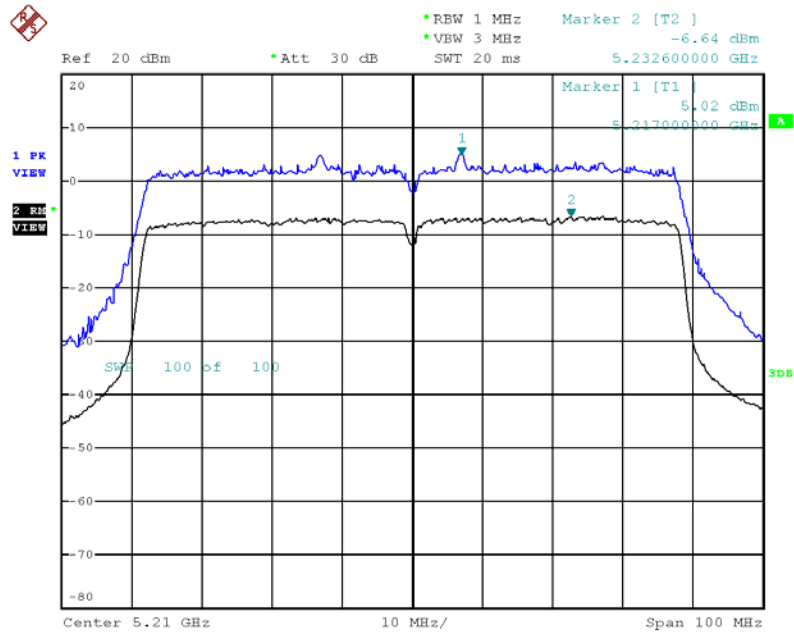
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 256QAM(MCS8) /

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

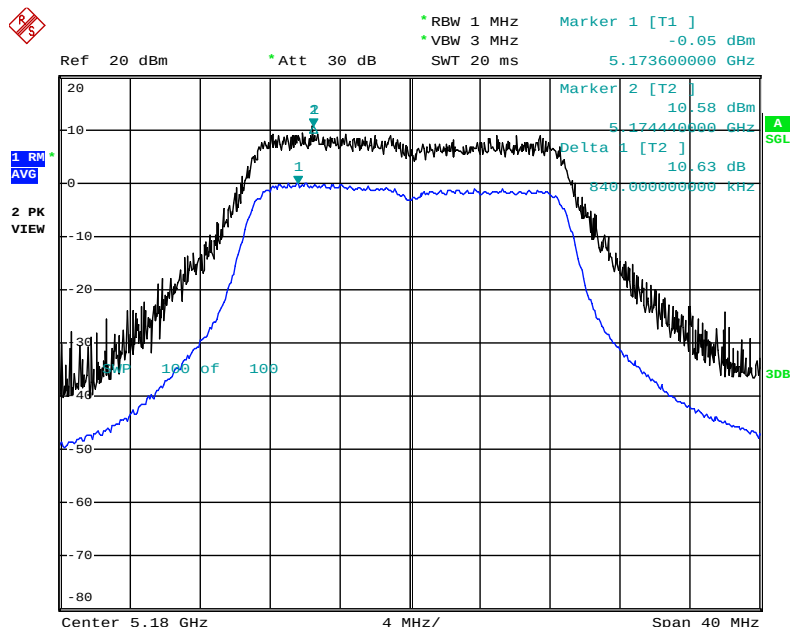


Date: 6.MAY.2013 14:59:32

2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 /

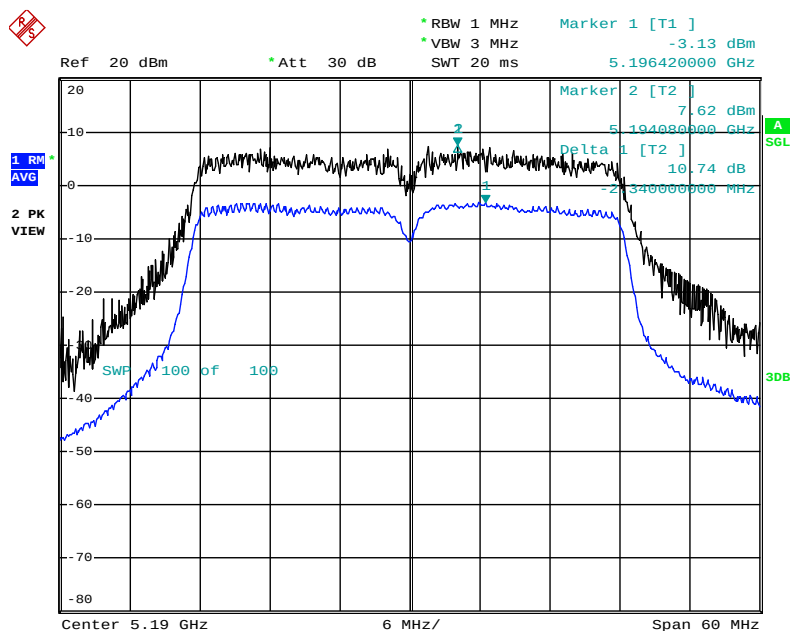
256QAM(MCS8) / 5180 MHz



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

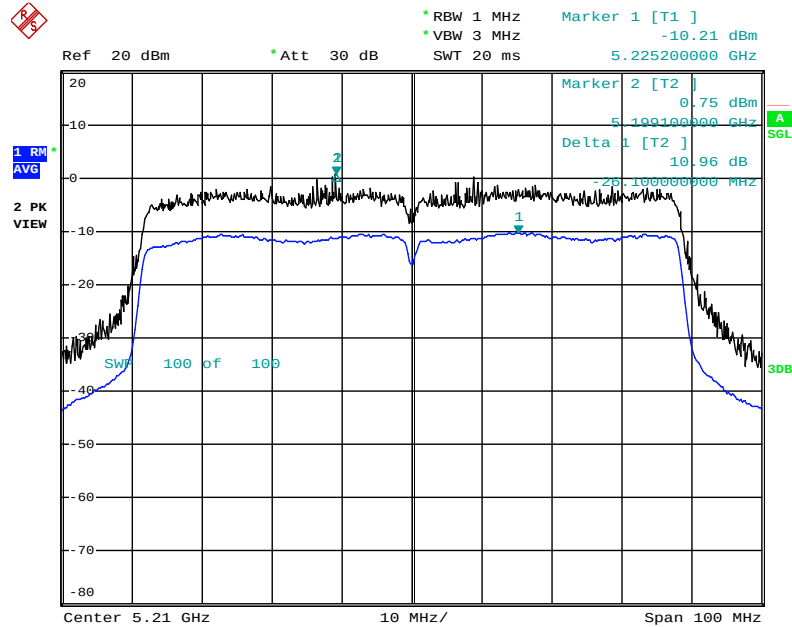
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 /

256QAM(MCS8) / 5190 MHz



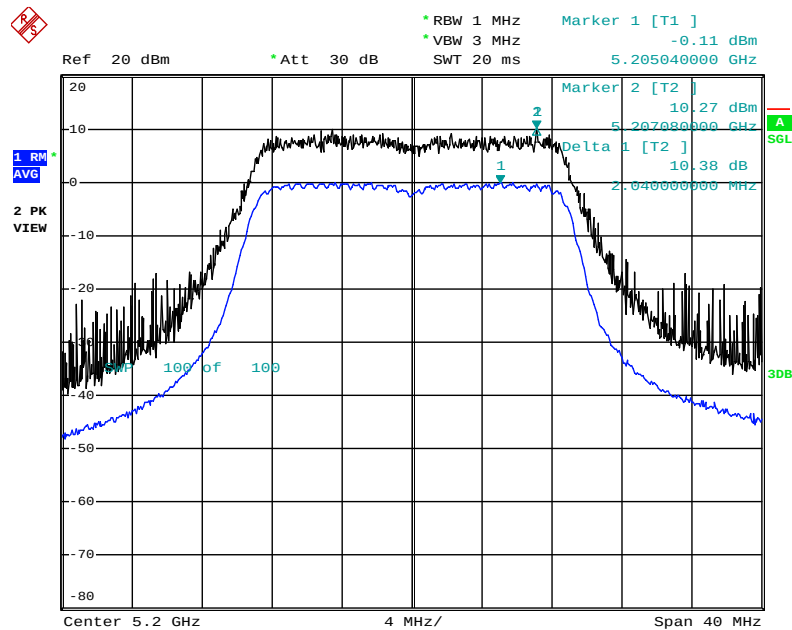
Date: 9.MAY.2013 01:10:45

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



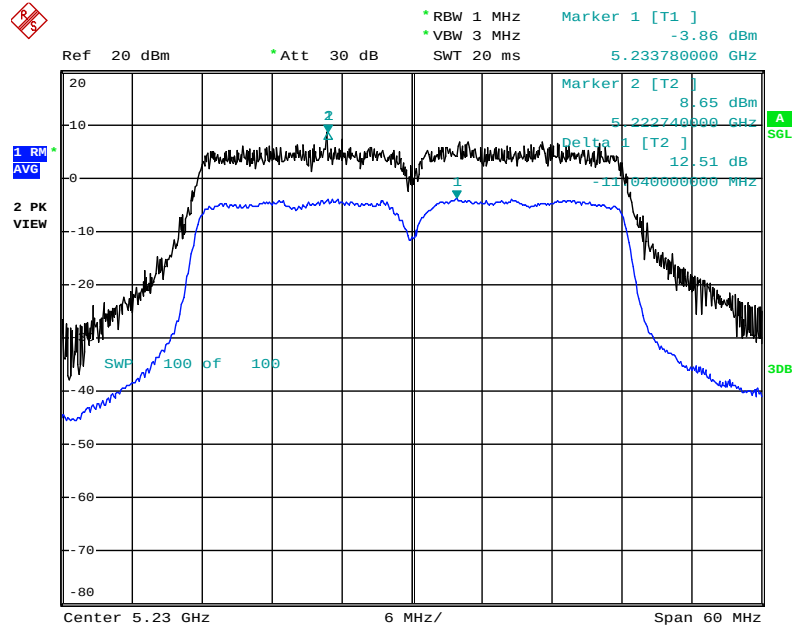
Date: 9.MAY.2013 01:12:49

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



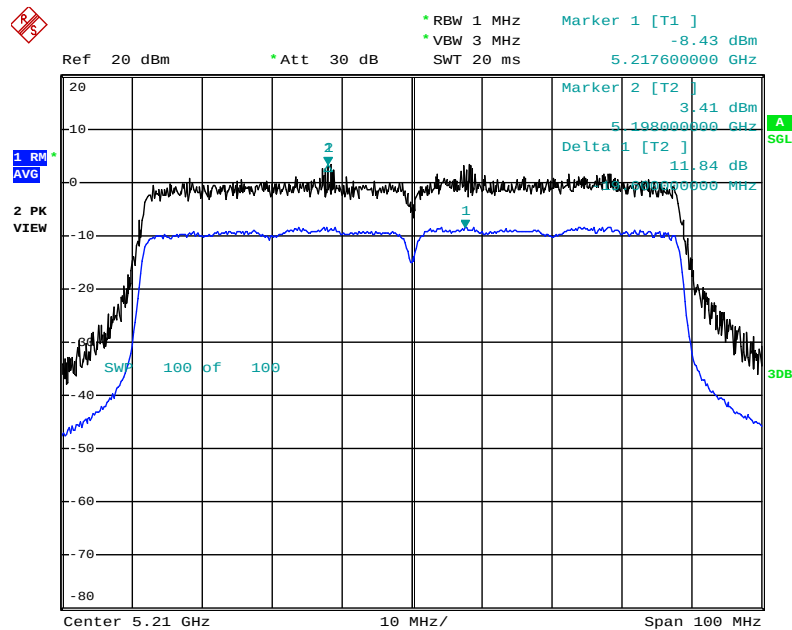
Date: 9.MAY.2013 01:23:06

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



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

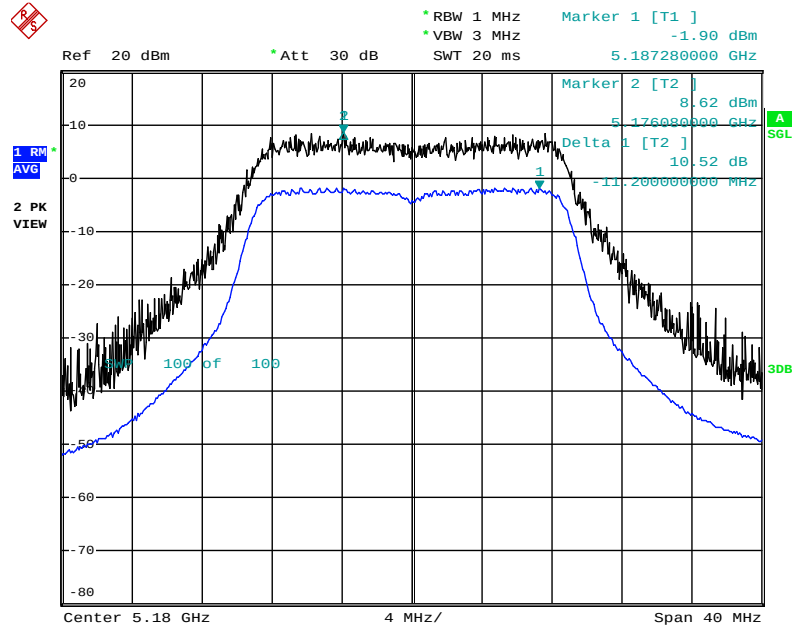
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 /
16QAM(MCS3) / 5210 MHz



Date: 9.MAY.2013 01:16:59

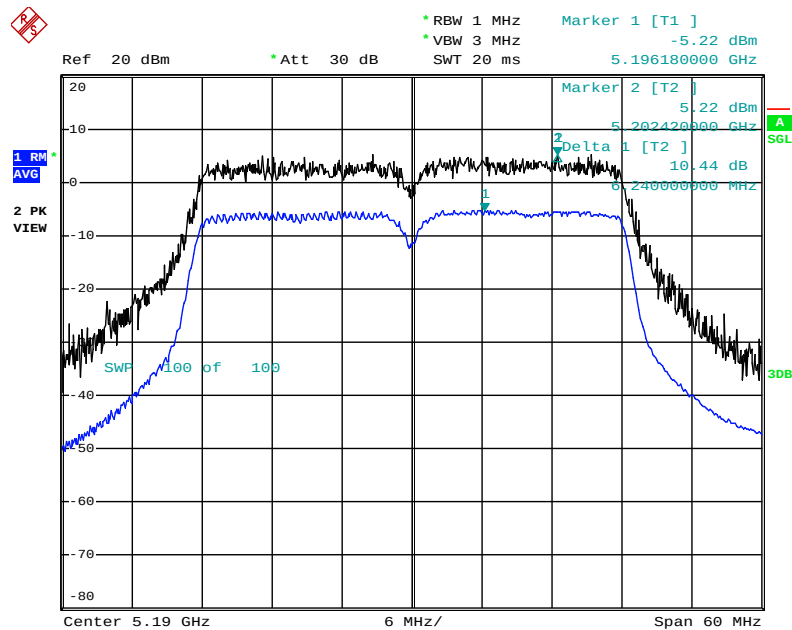
3TX

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



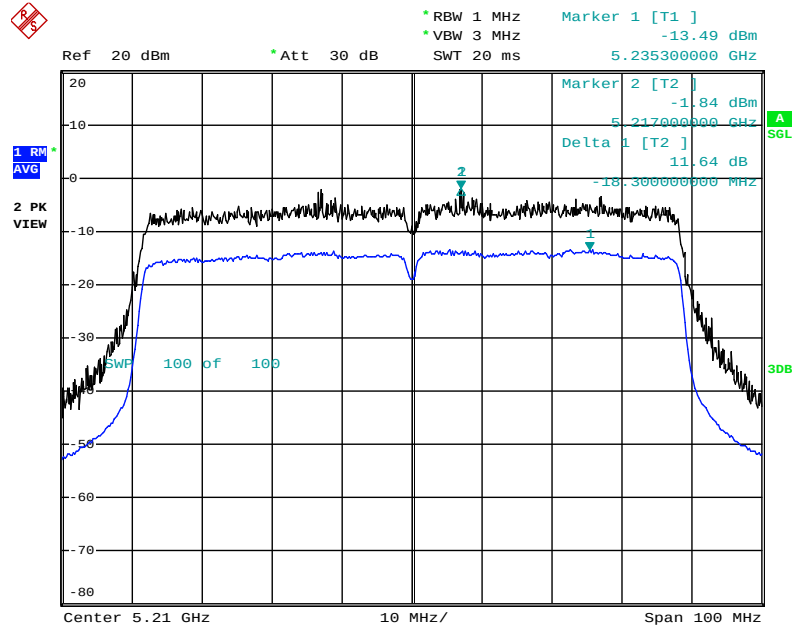
Date: 9.MAY.2013 00:43:17

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



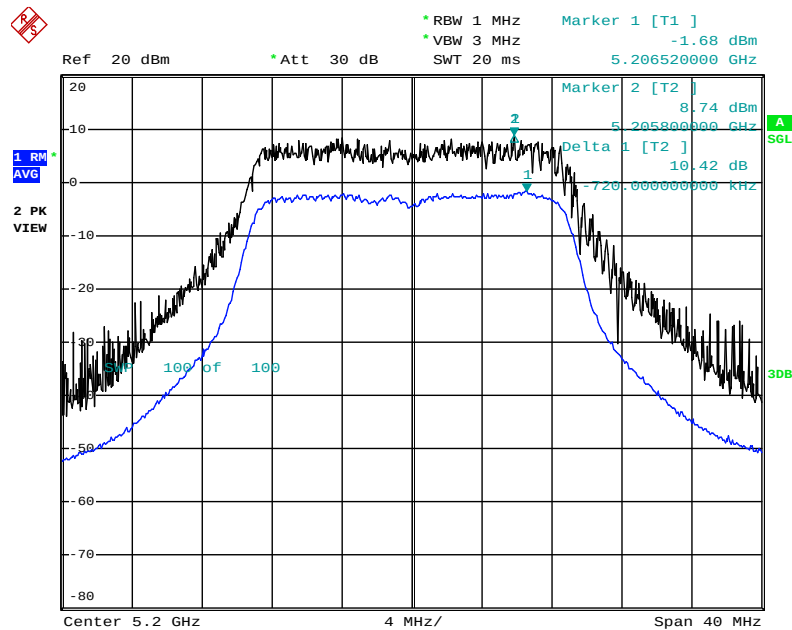
Date: 9.MAY.2013 00:40:51

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



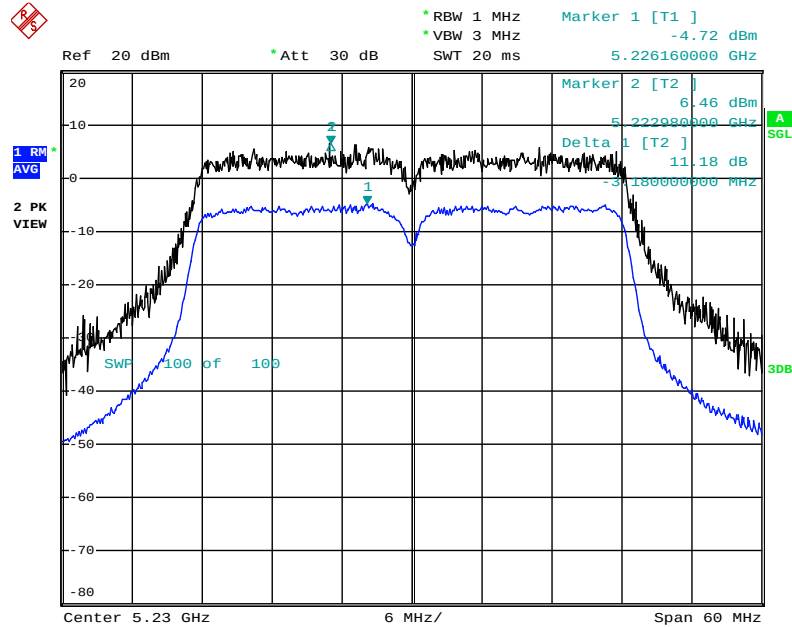
Date: 9.MAY.2013 00:36:16

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



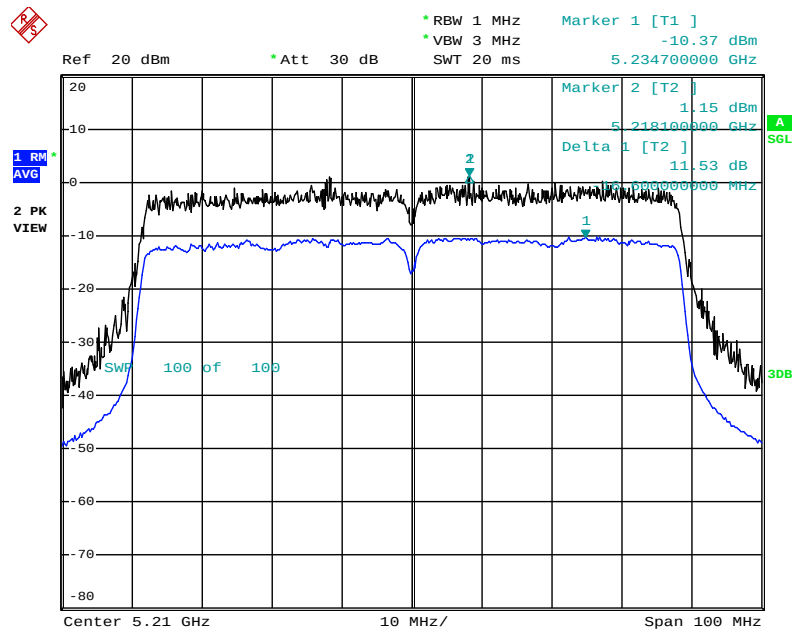
Date: 9.MAY.2013 00:46:55

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



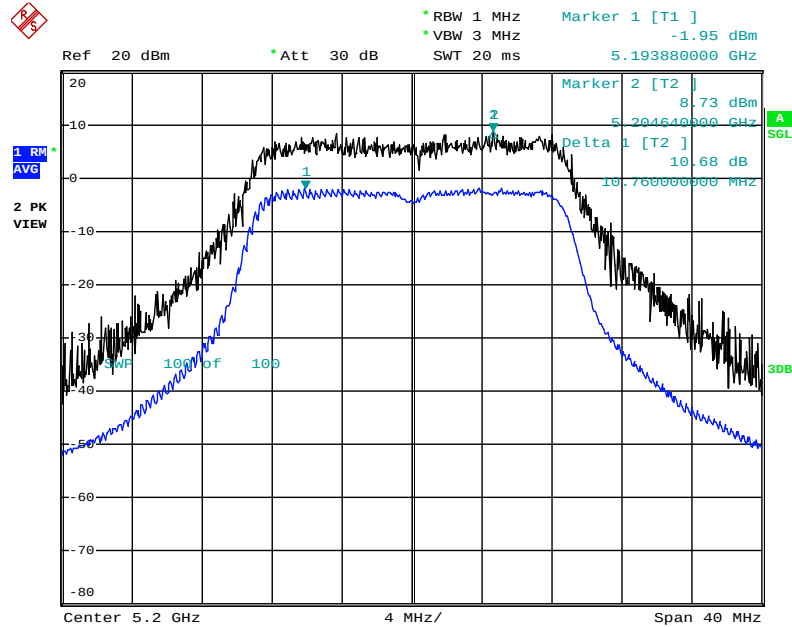
Date: 9.MAY.2013 00:50:34

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



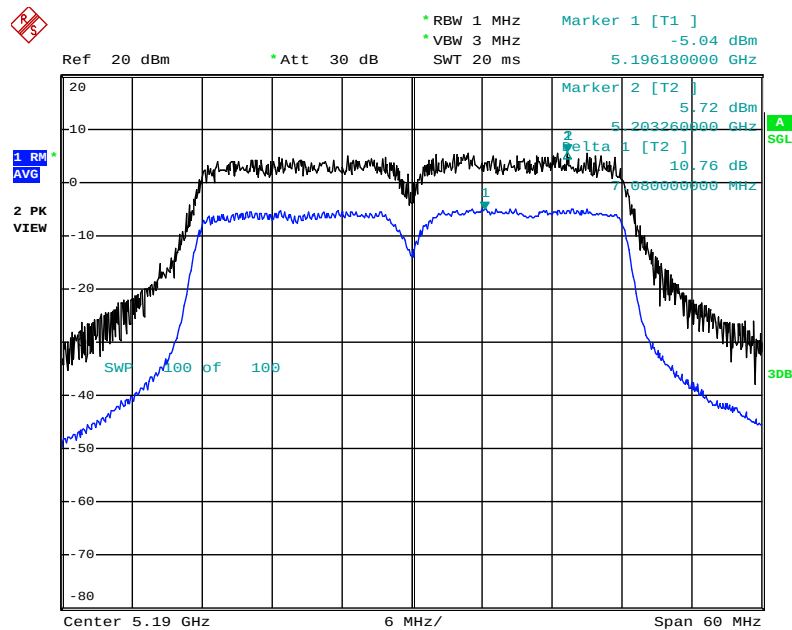
Date: 9.MAY.2013 00:53:28

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



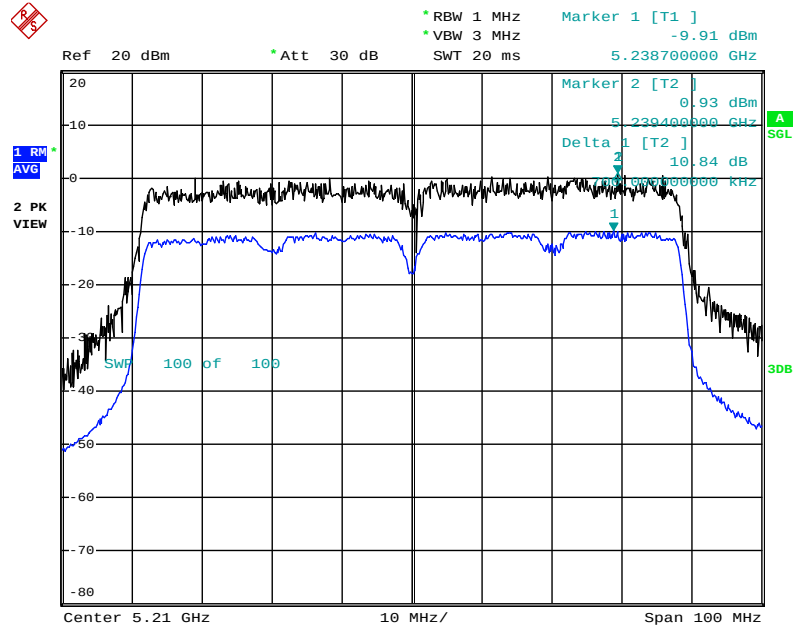
Date: 9.MAY.2013 01:03:34

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



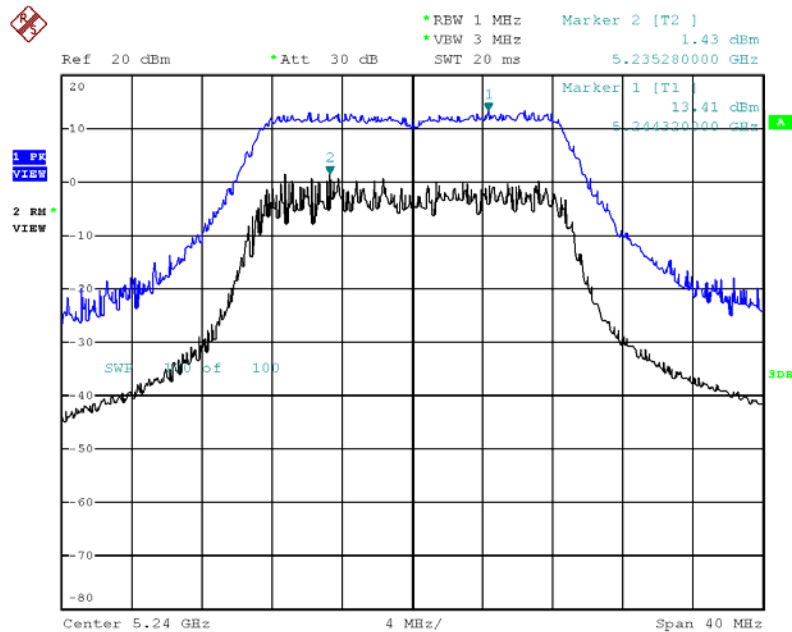
Date: 9.MAY.2013 00:57:54

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

1TX

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

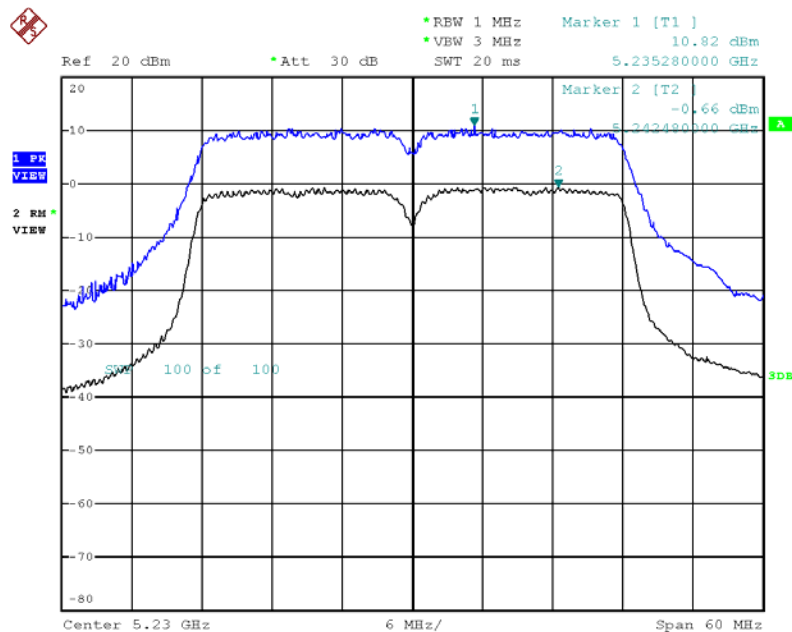
5240 MHz



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

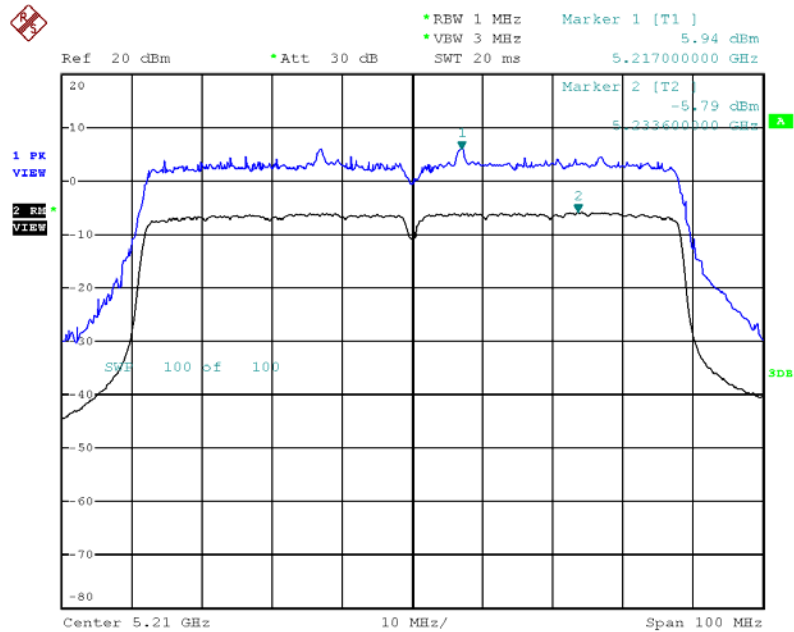
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 256QAM(MCS8) /

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

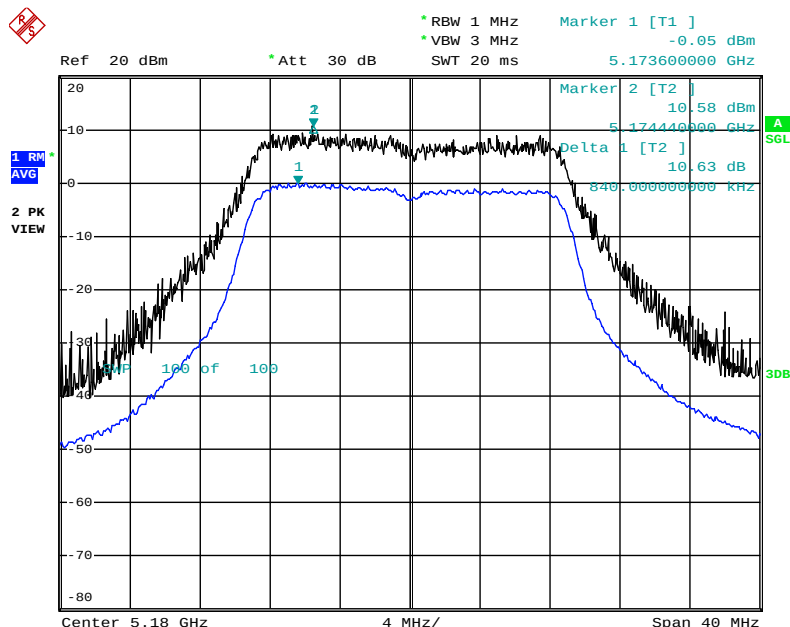


Date: 6.MAY.2013 15:04:39

2TX

Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 /

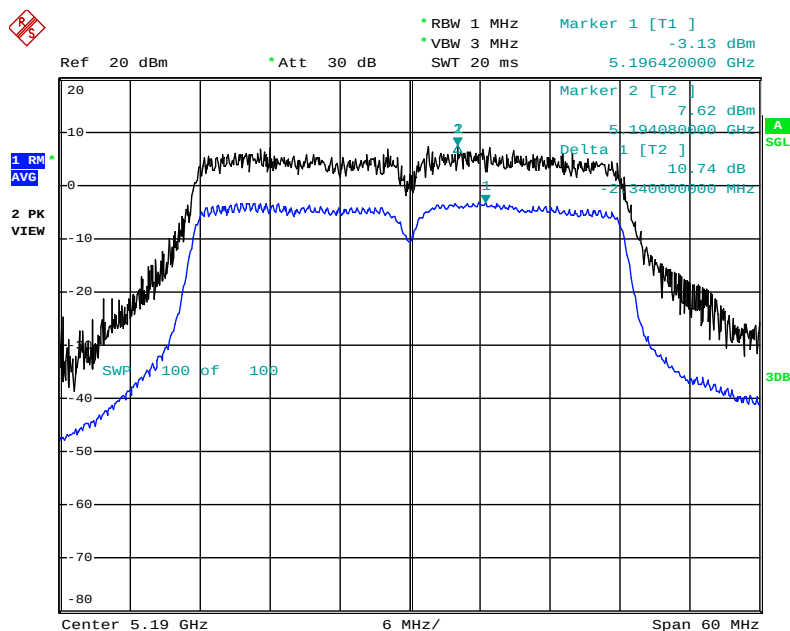
256QAM(MCS8) / 5180 MHz



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

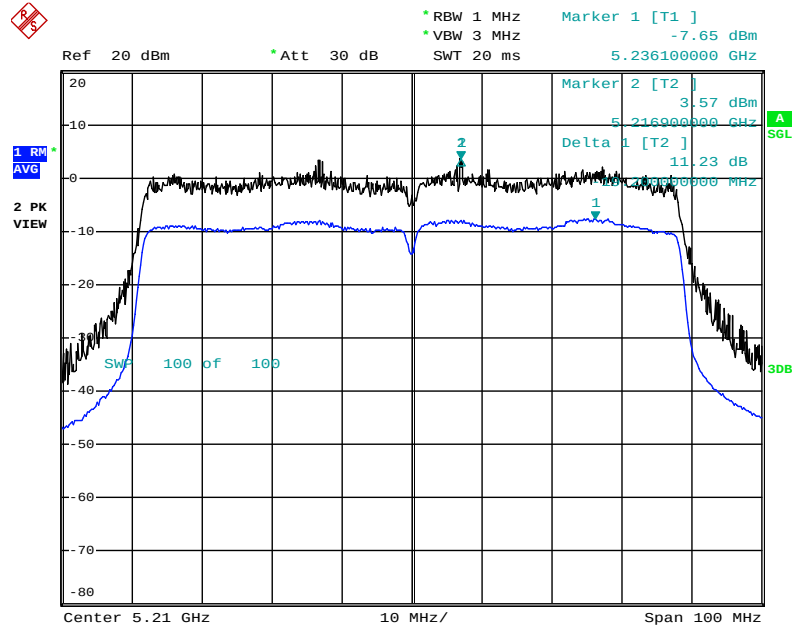
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 /

256QAM(MCS8) / 5190 MHz



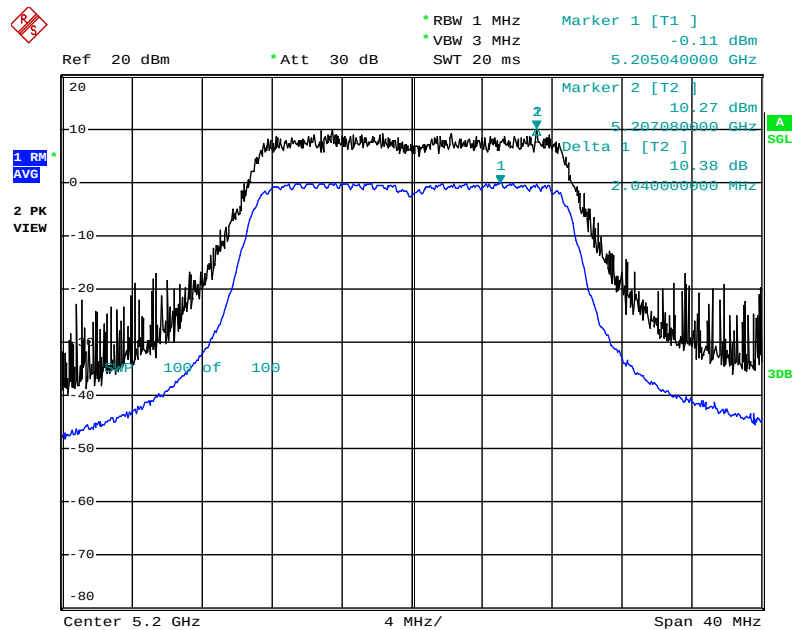
Date: 9.MAY.2013 01:10:45

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



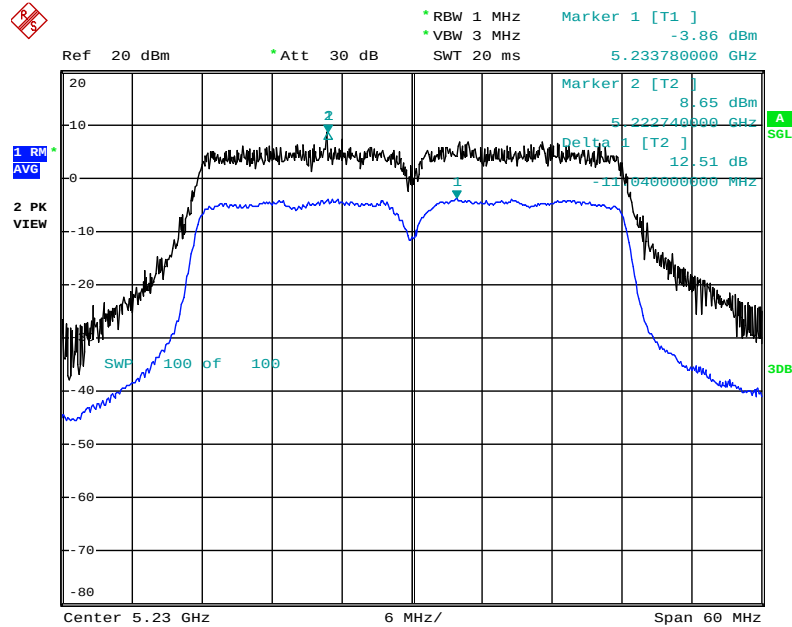
Date: 9.MAY.2013 01:35:36

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



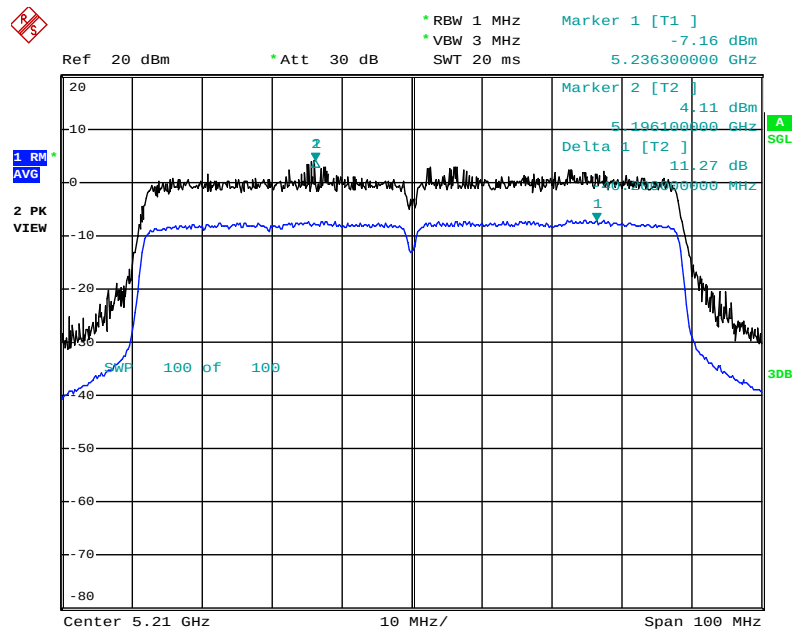
Date: 9.MAY.2013 01:23:06

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



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

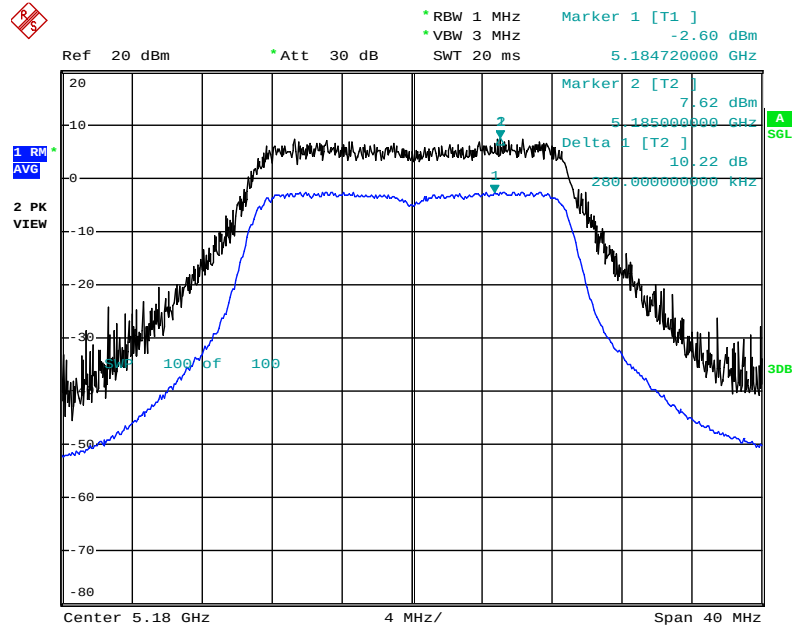
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / QPSK(MCS1) / 5210 MHz



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

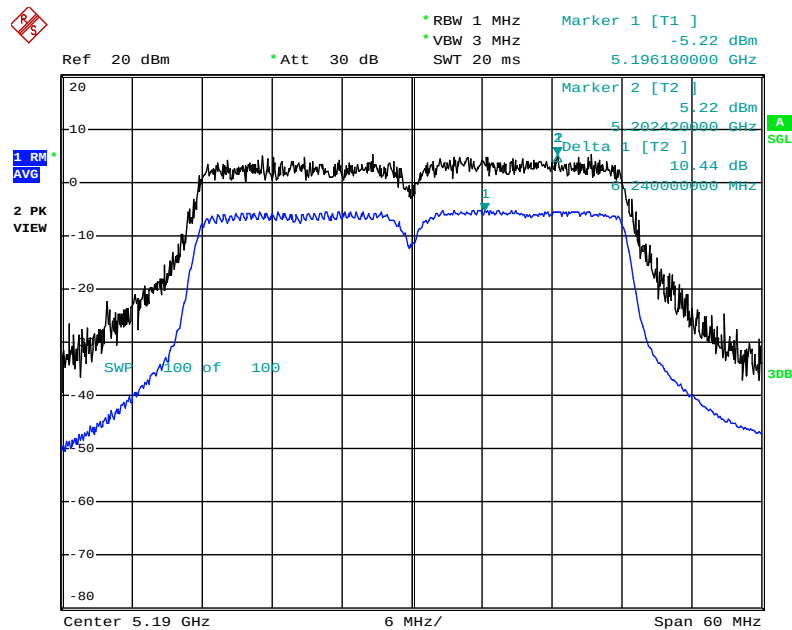
3TX

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



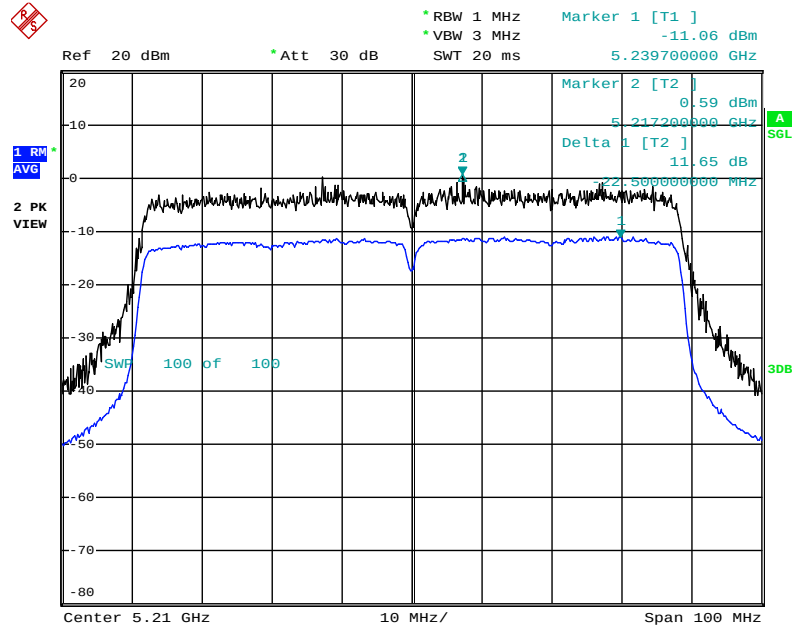
Date: 9.MAY.2013 01:50:40

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



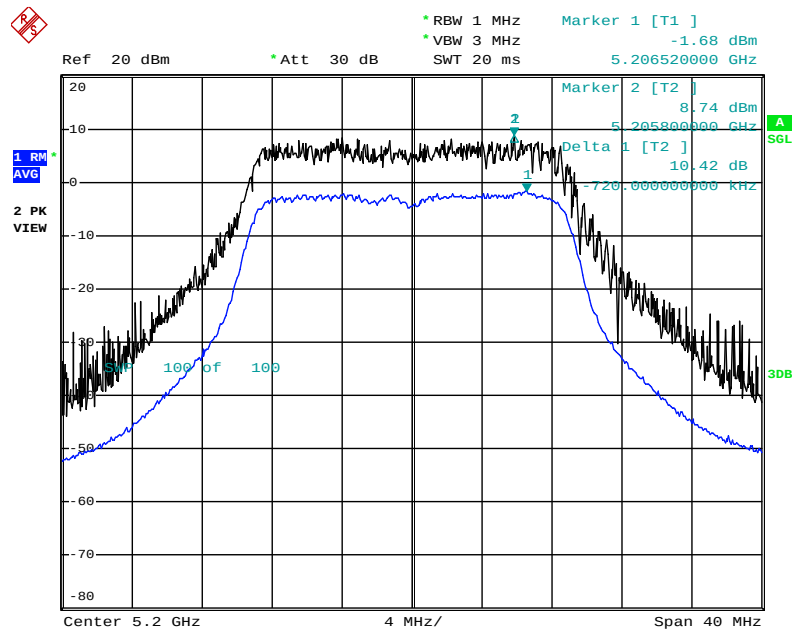
Date: 9.MAY.2013 00:40:51

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



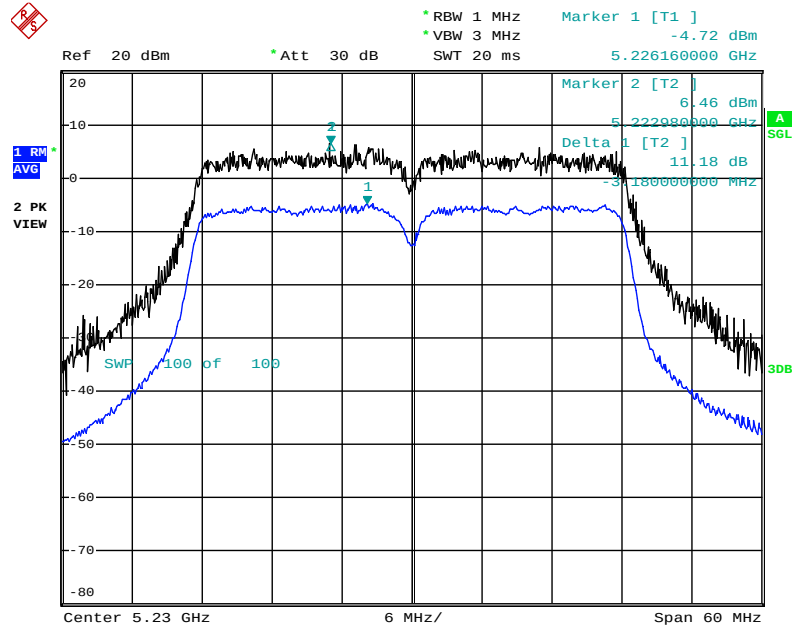
Date: 9.MAY.2013 01:45:23

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



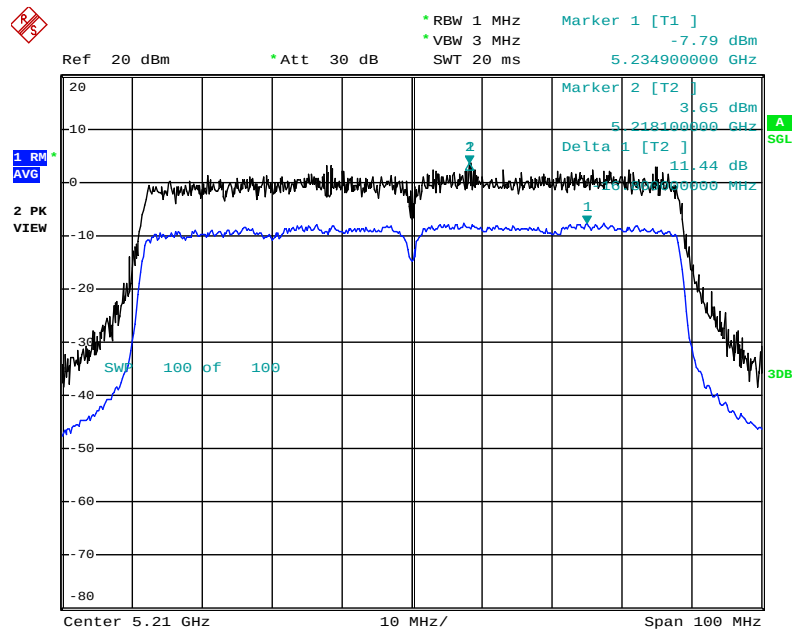
Date: 9.MAY.2013 00:46:55

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



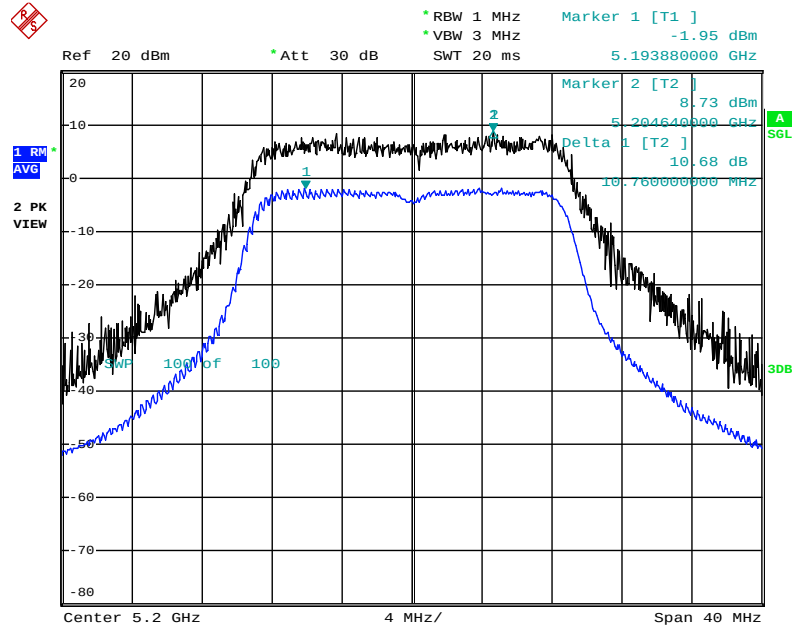
Date: 9.MAY.2013 00:50:34

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



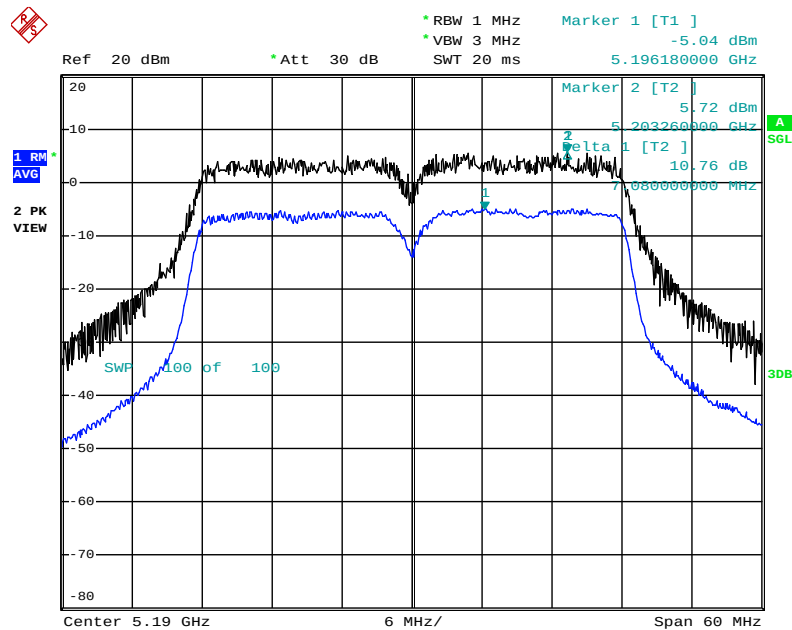
Date: 9.MAY.2013 01:52:50

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



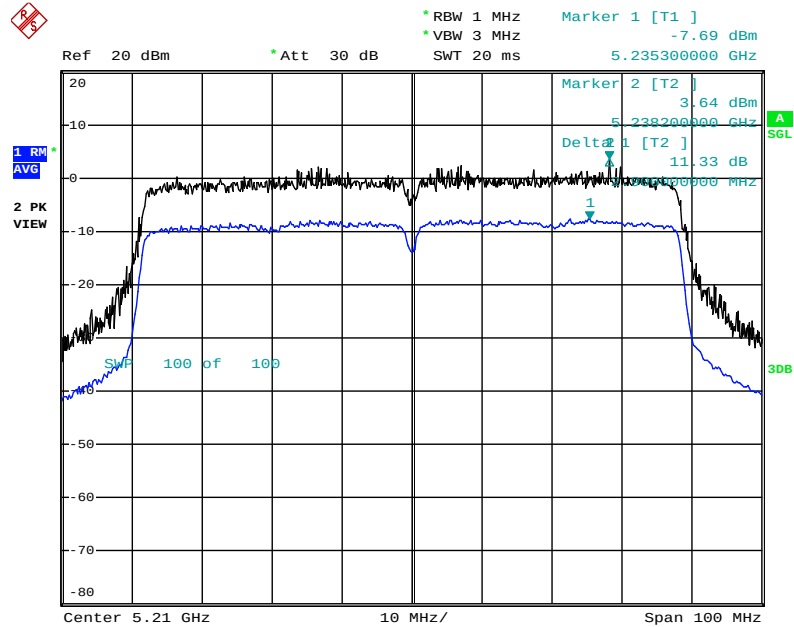
Date: 9.MAY.2013 01:03:34

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

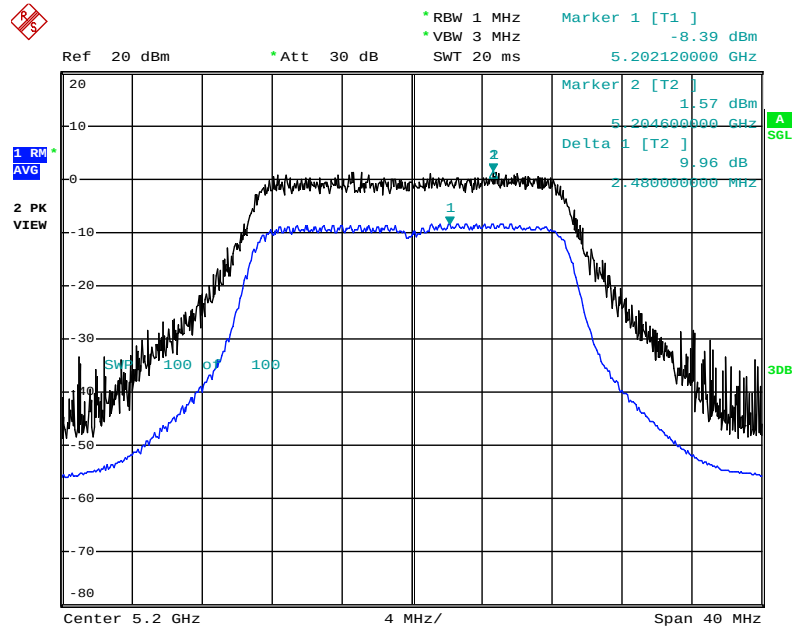


Date: 9.MAY.2013 01:56:05

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

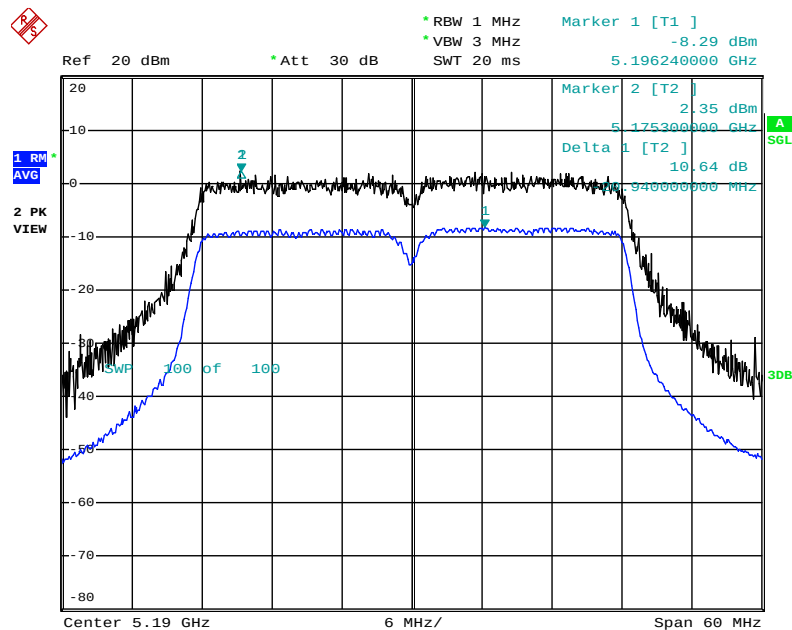
3TX

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



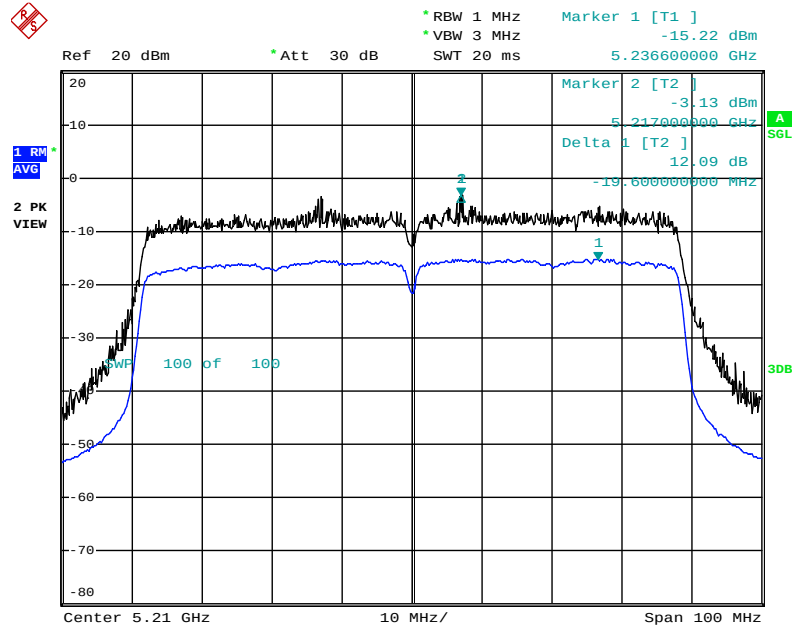
Date: 9.MAY.2013 00:02:57

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



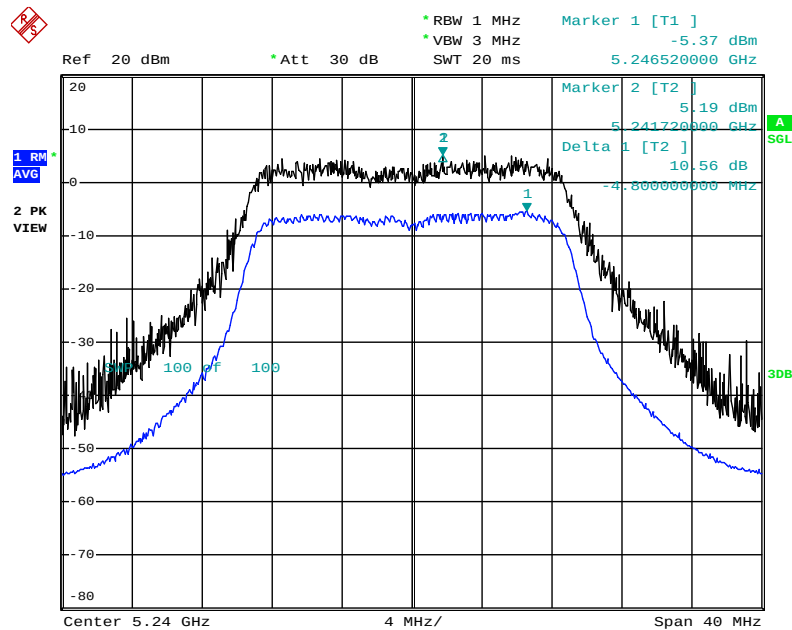
Date: 9.MAY.2013 00:06:11

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



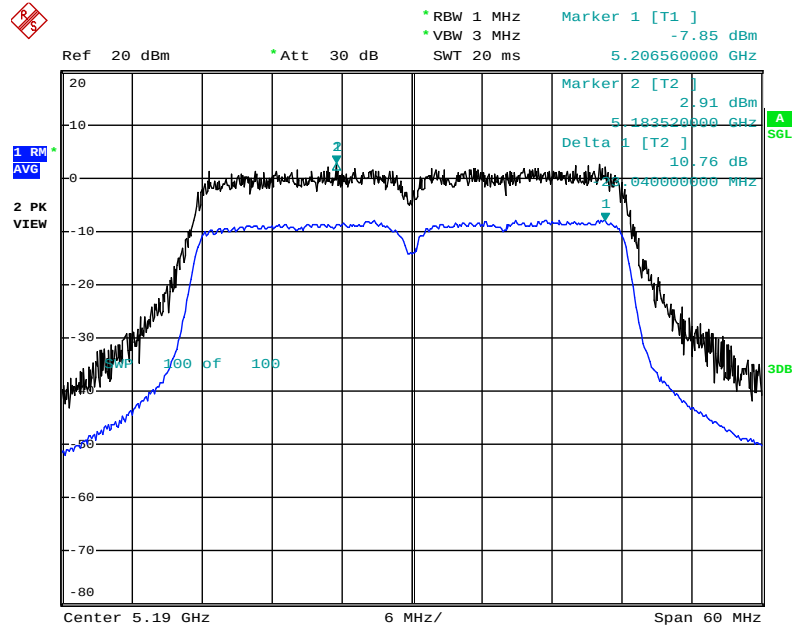
Date: 9.MAY.2013 00:08:27

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



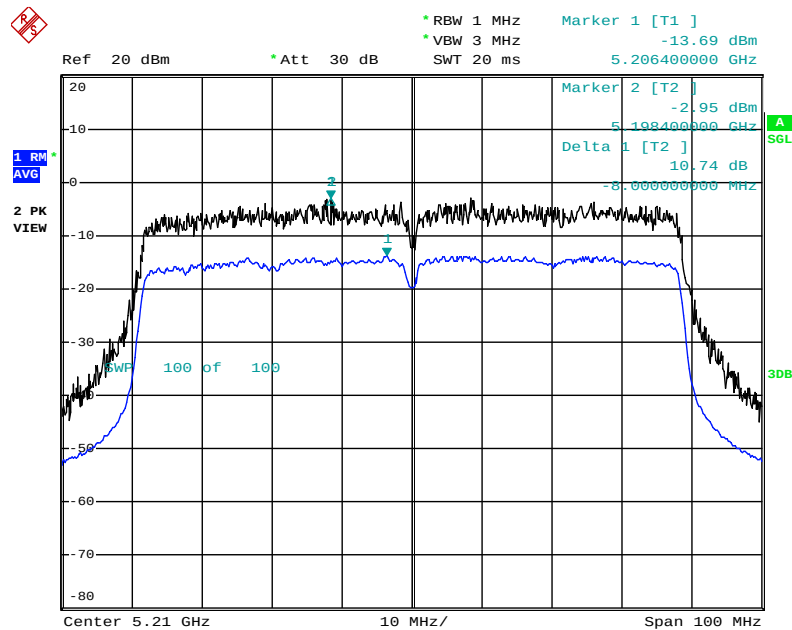
Date: 9.MAY.2013 00:21:45

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



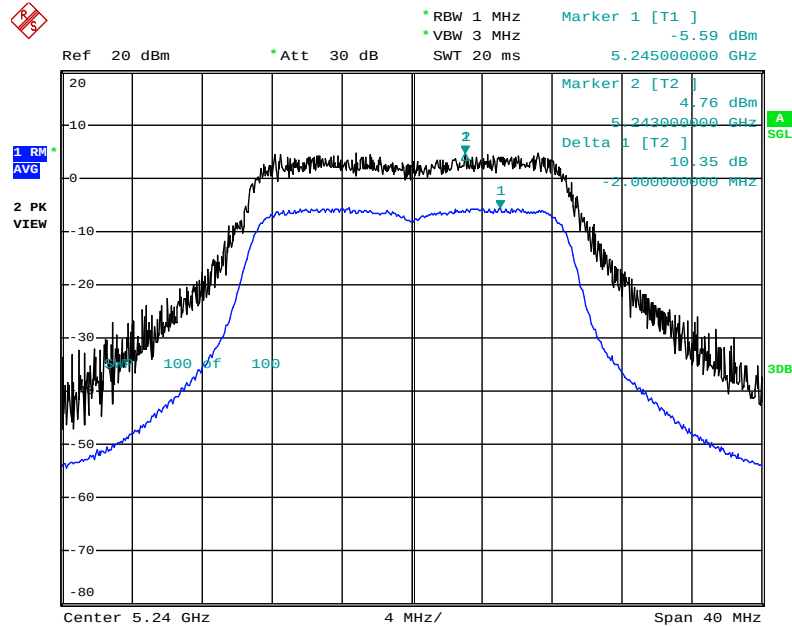
Date: 9.MAY.2013 00:16:29

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



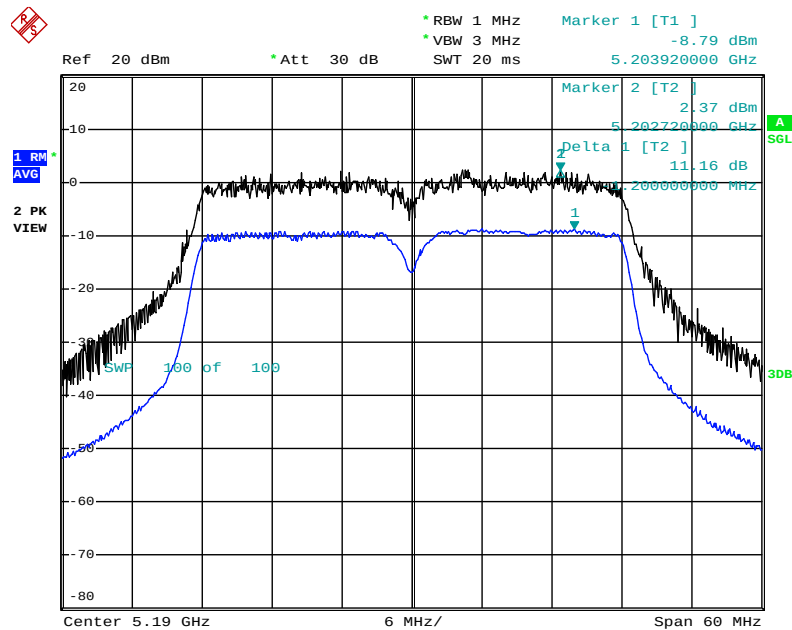
Date: 9.MAY.2013 00:12:52

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



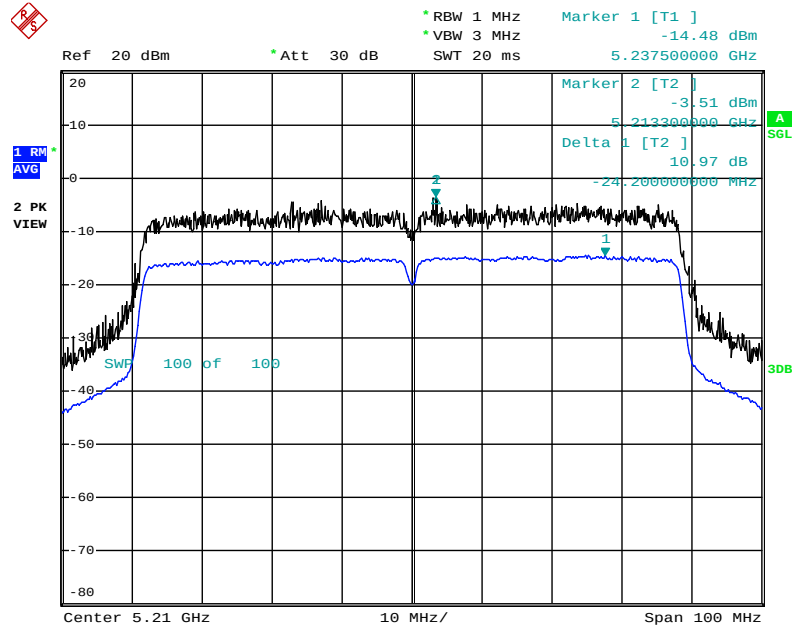
Date: 9.MAY.2013 00:25:26

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



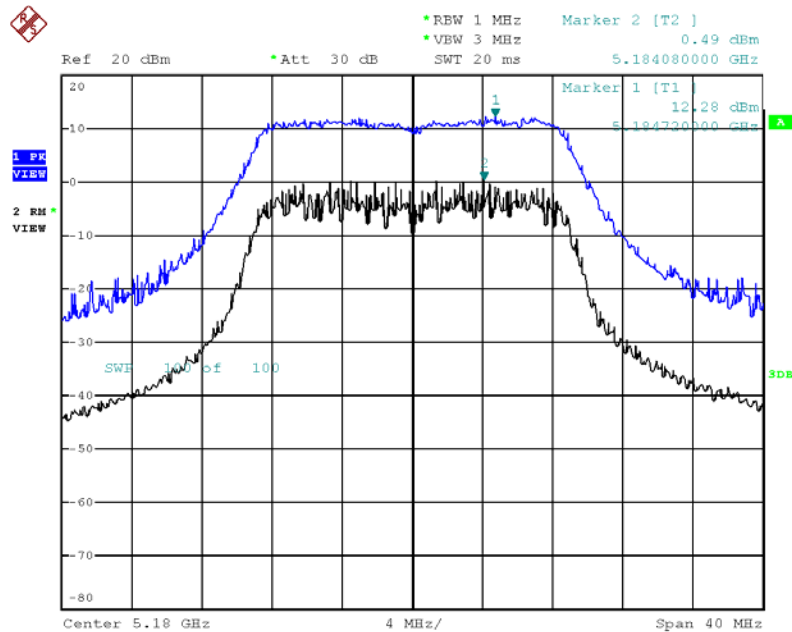
Date: 9.MAY.2013 00:30:09

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

1TX

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

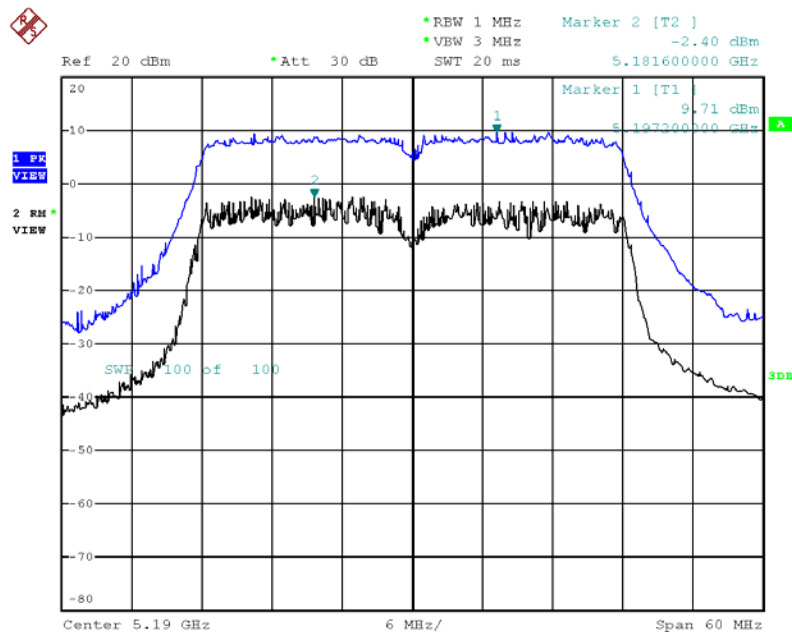
5180 MHz



Date: 7.JUL.2013 18:14:05

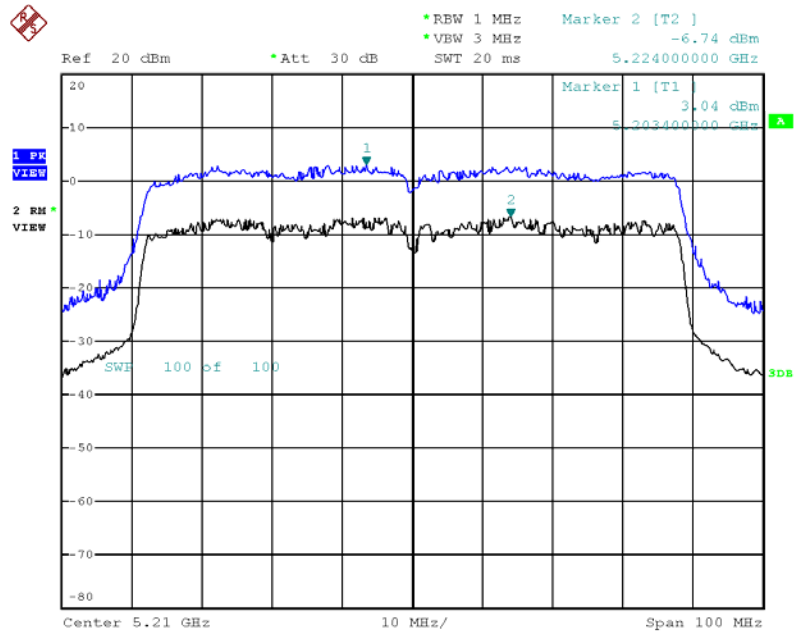
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 16QAM(MCS3) /

5190 MHz



Date: 7.JUL.2013 18:31:00

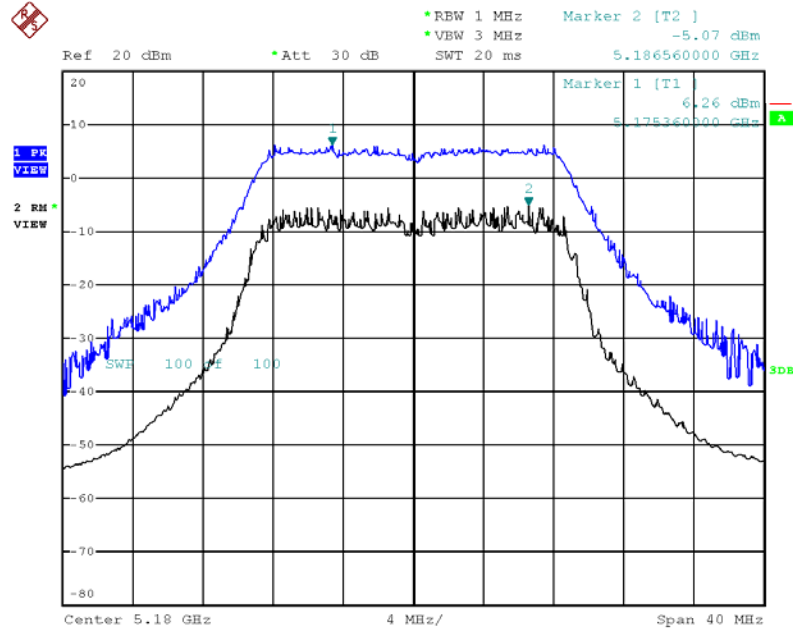
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 16QAM(MCS3) / 5210 MHz



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

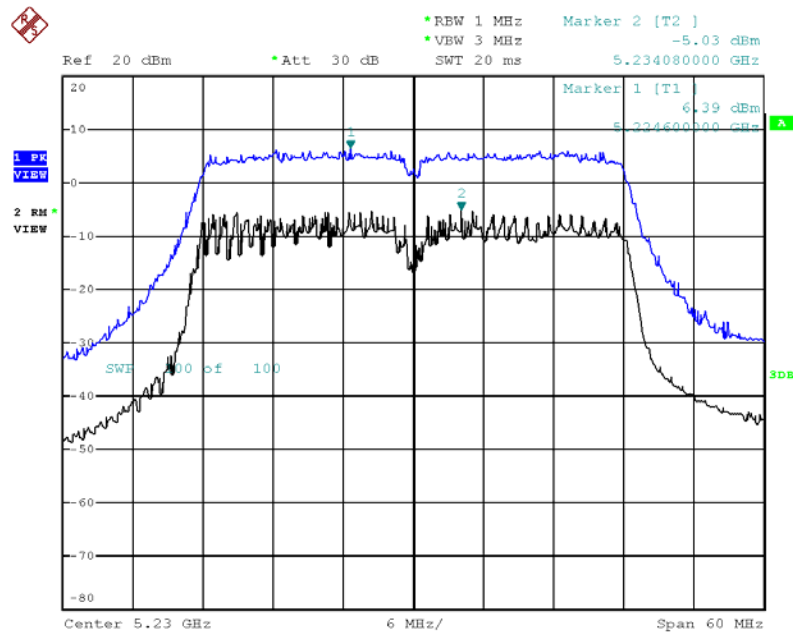
2TX

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



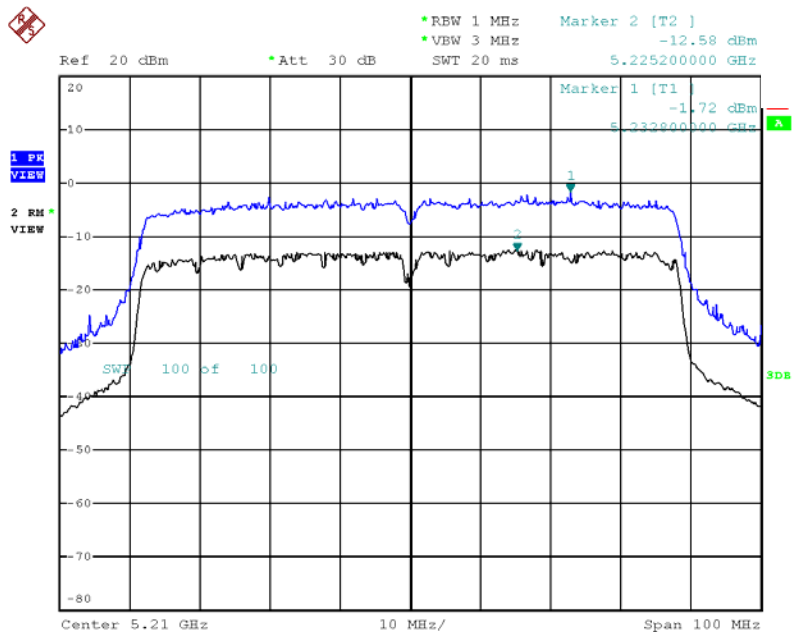
Date: 9.JUL.2013 00:59:23

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



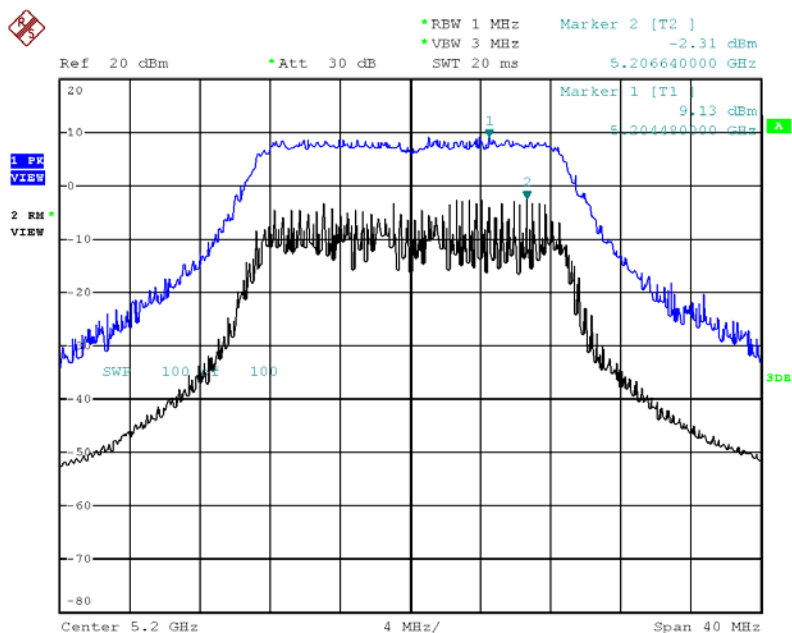
Date: 9.JUL.2013 01:15:32

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



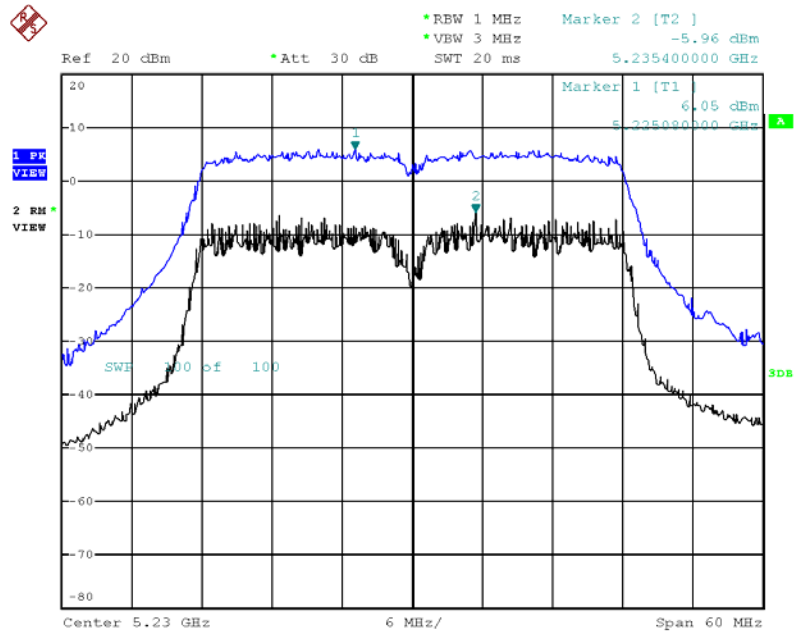
Date: 9.JUL.2013 01:31:51

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



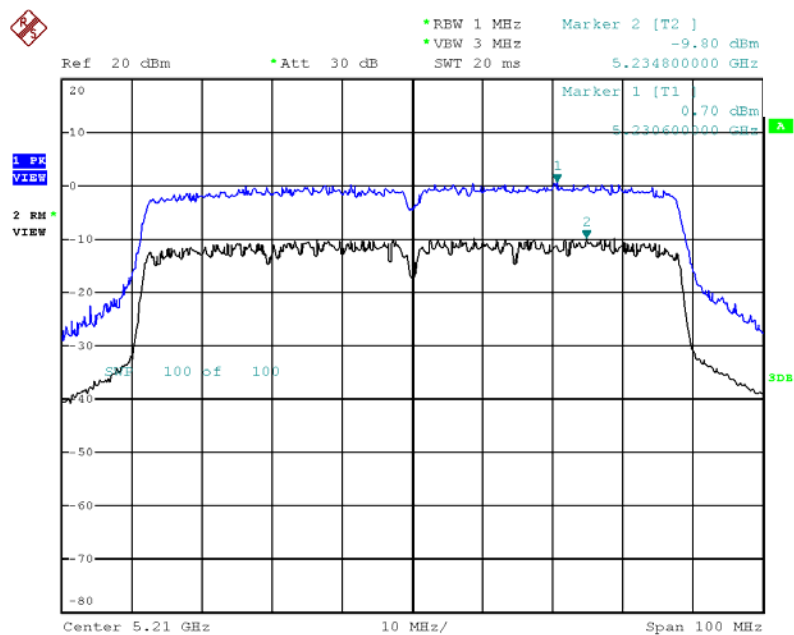
Date: 9.JUL.2013 01:54:19

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

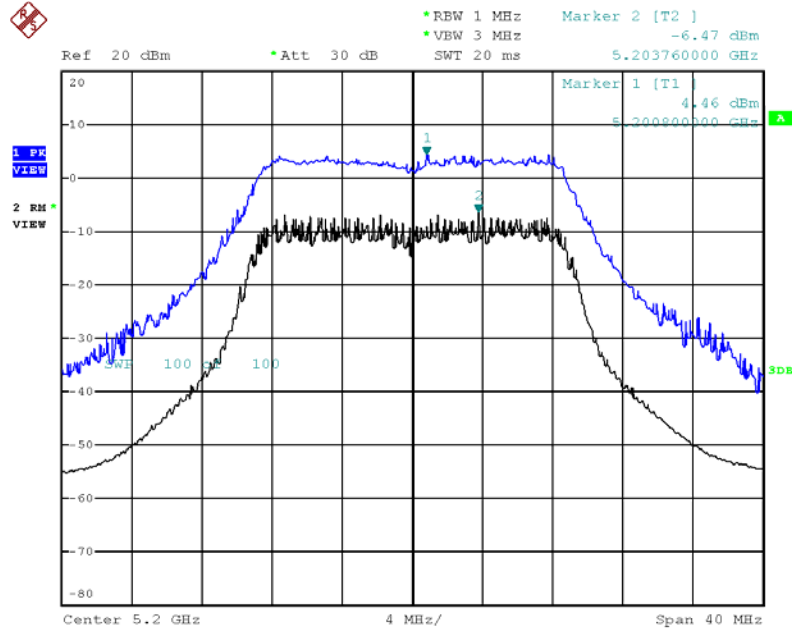
Peak Excursion Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 /
256QAM(MCS8) / 5210 MHz



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

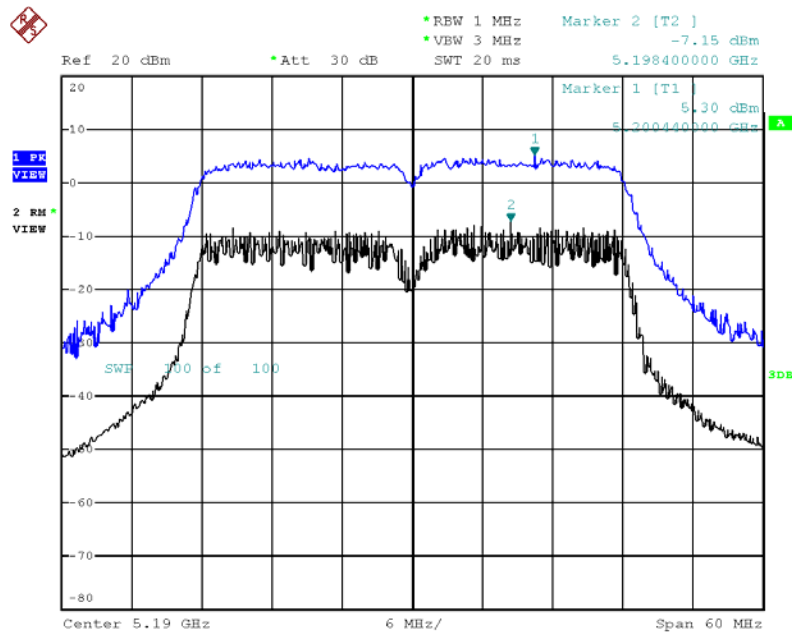
3TX

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



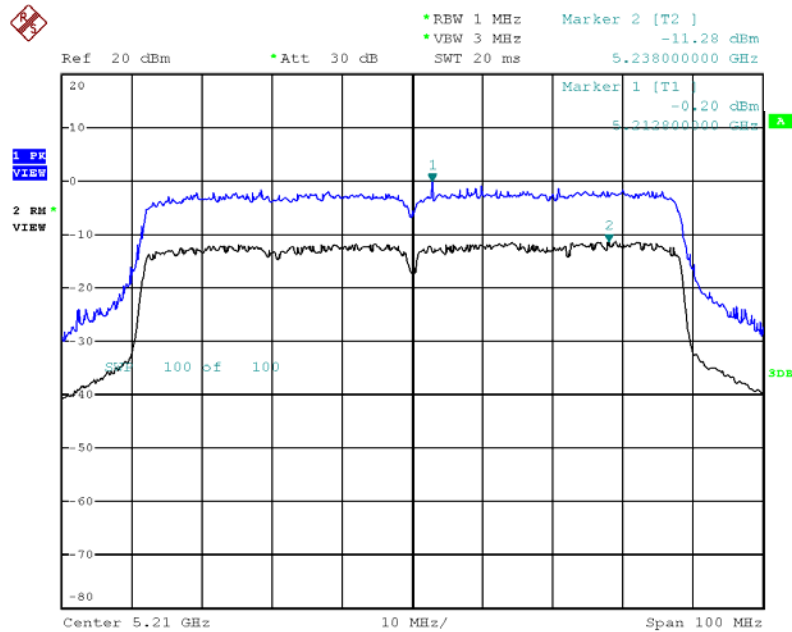
Date: 9.JUL.2013 19:06:59

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



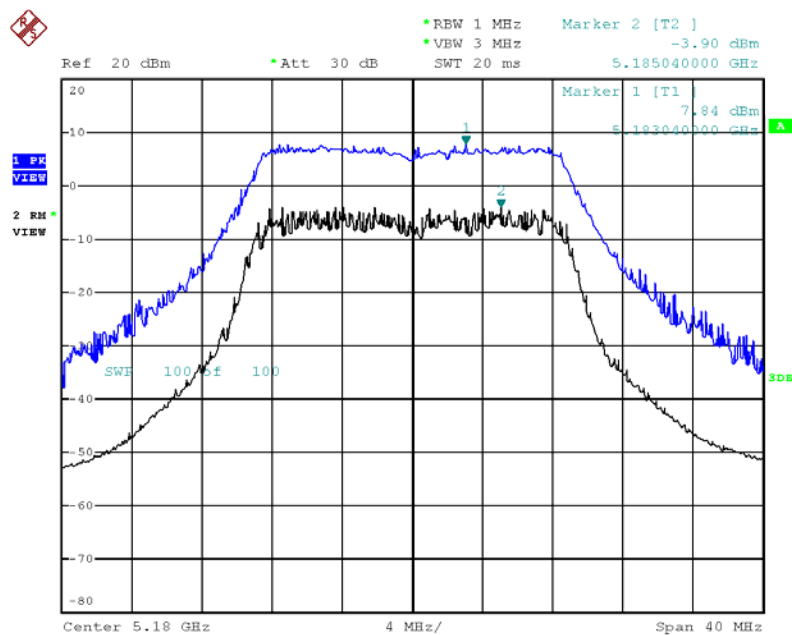
Date: 9.JUL.2013 19:28:21

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



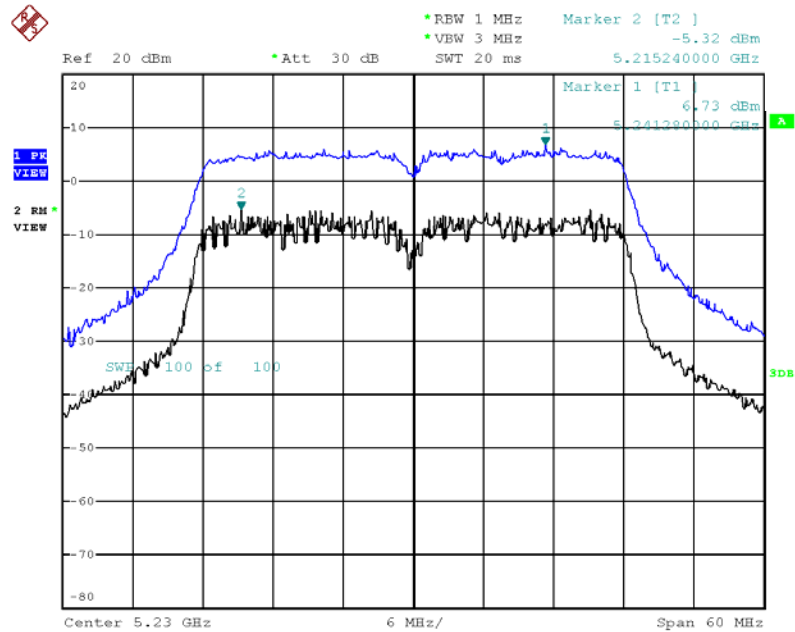
Date: 9.JUL.2013 19:51:00

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



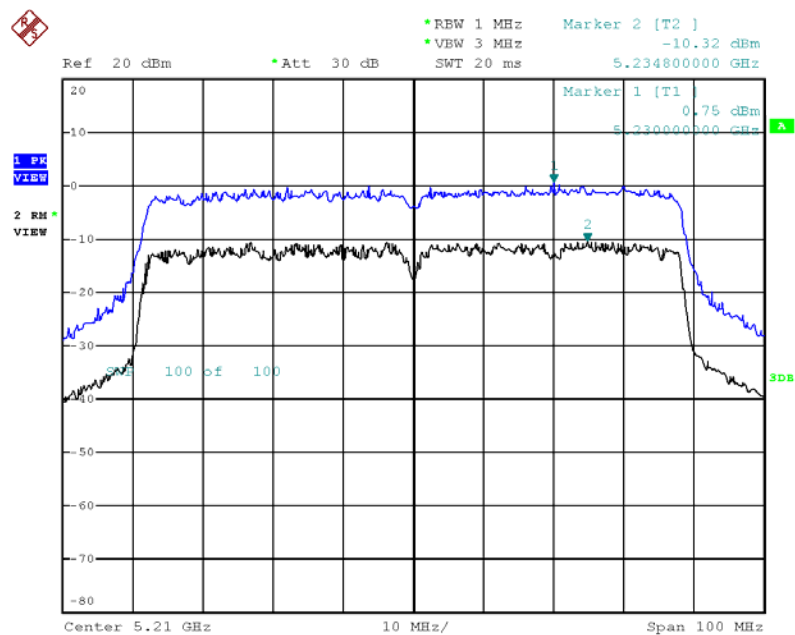
Date: 9.JUL.2013 20:11:47

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



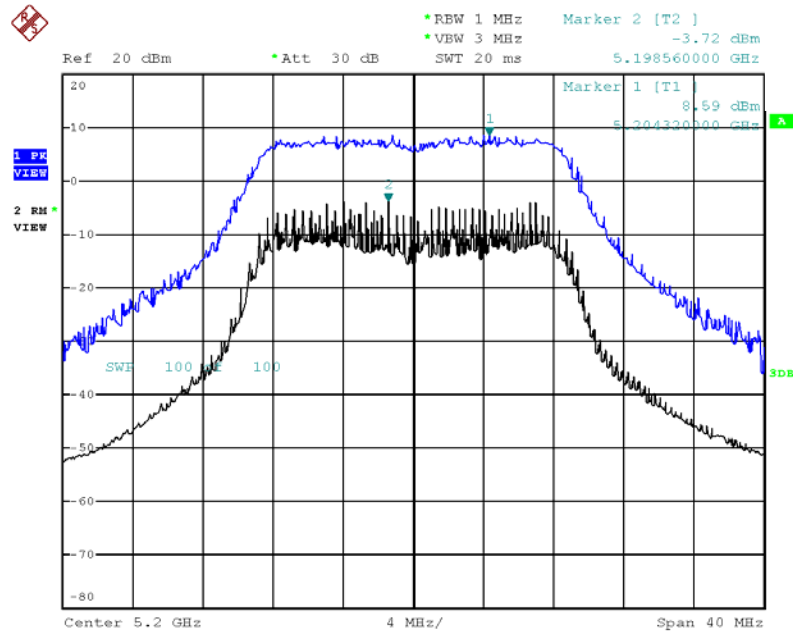
Date: 9.JUL.2013 20:32:35

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



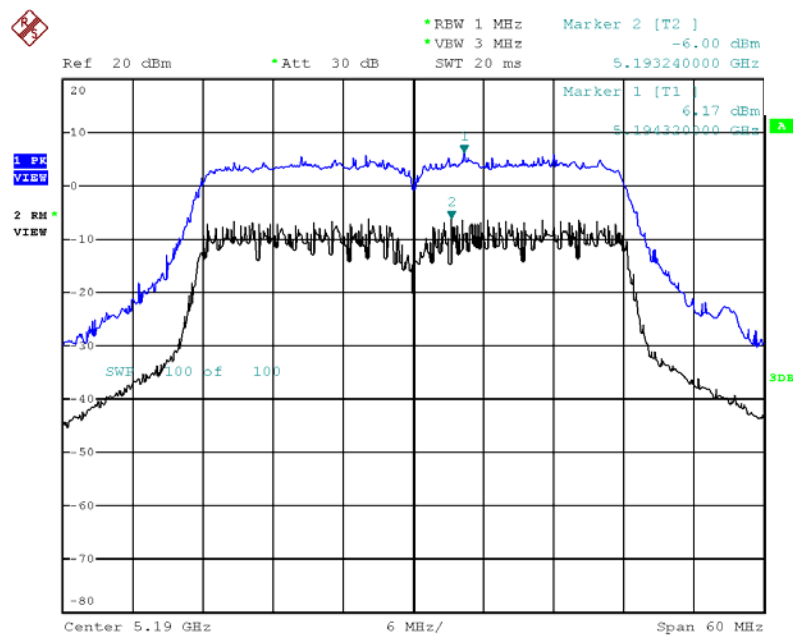
Date: 9.JUL.2013 20:54:09

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



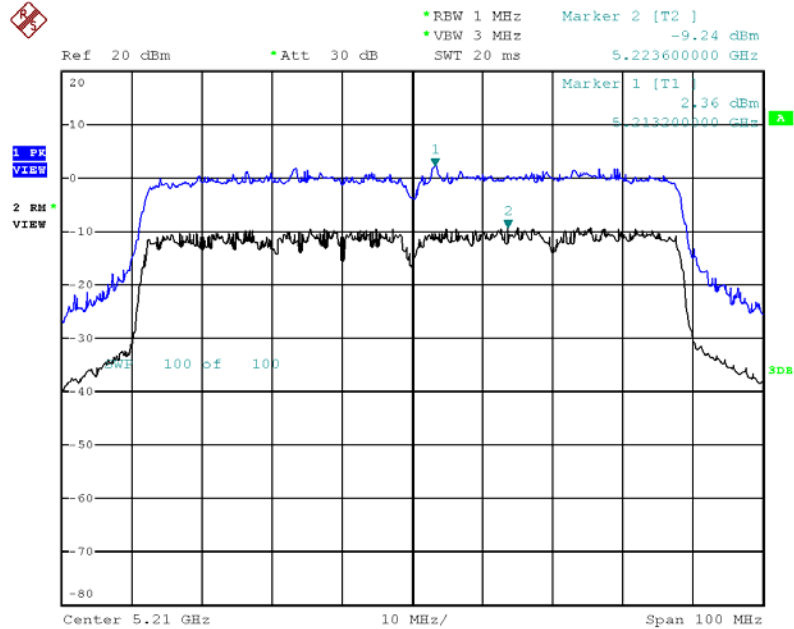
Date: 9.JUL.2013 21:18:33

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	1 000 MHz
Stop Frequency	40 GHz
RBW / VBW (Emission in restricted band)	1 MHz / 3MHz for Peak, 1 MHz / 10Hz for Average
RBW / VBW (Emission in non-restricted band)	1 MHz / 3MHz for peak

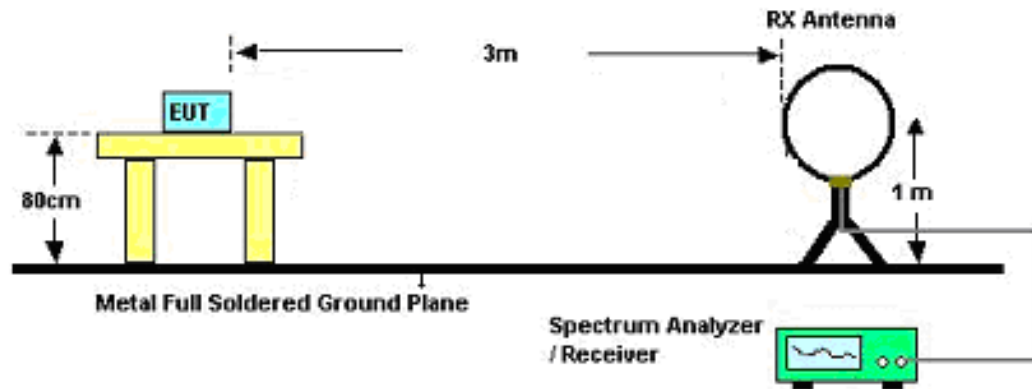
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

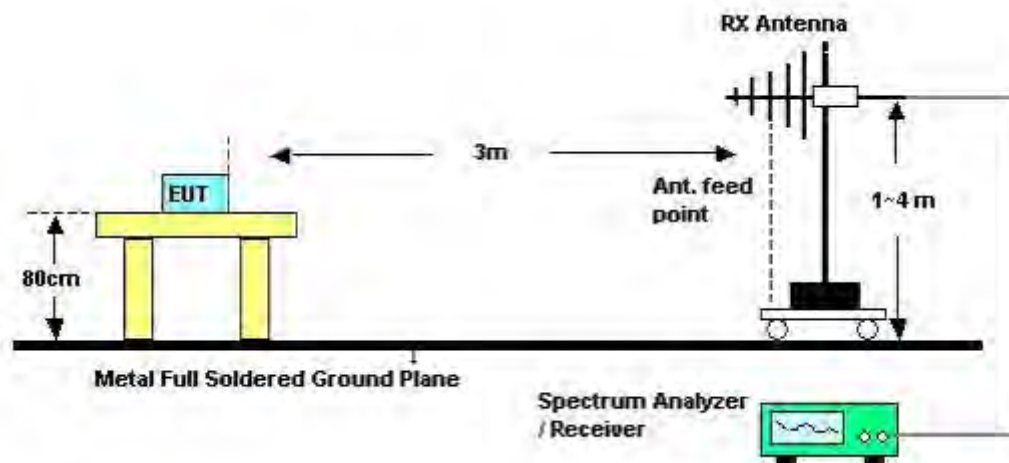
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting 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°C	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.

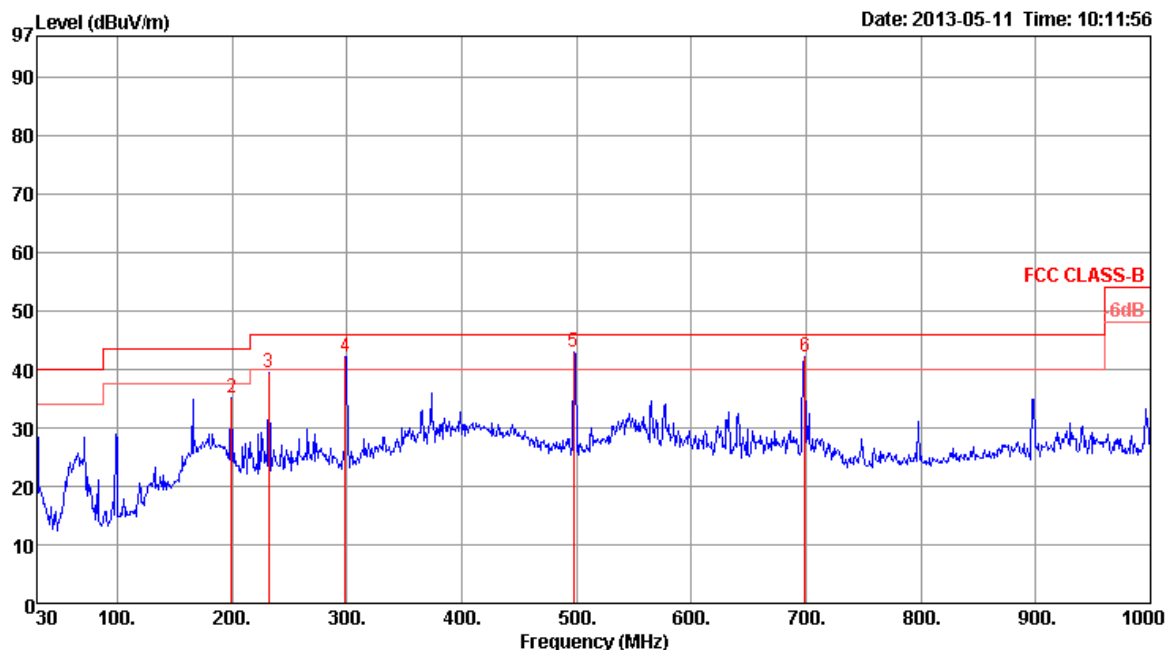
Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

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

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

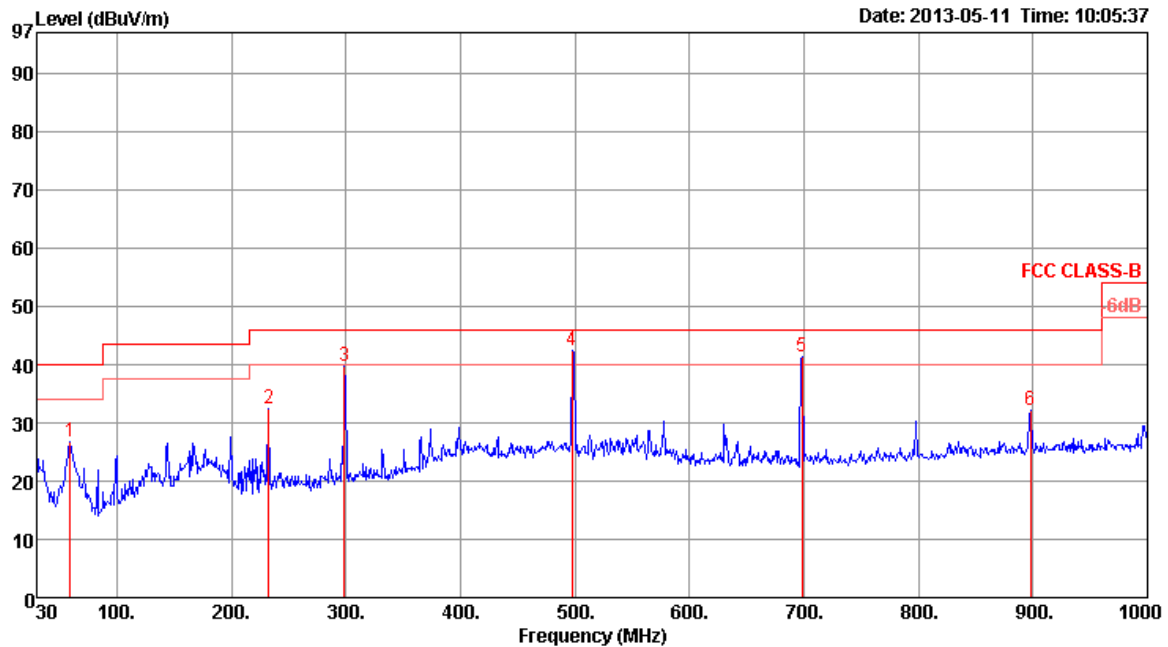
Temperature	24.5°C	Humidity	57%
Test Engineer	Jim Huang	Configurations	CTX

Horizontal



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

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	100	197	VERTICAL
2	15602.84	36.53	54.00	-17.47	28.14	6.13	37.60	35.34	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	CableAntenna Loss 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	CableAntenna Loss 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	CableAntenna Loss Factor	Preamplifier 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	CableAntenna Loss Factor	Preamplifier 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	CableAntenna Loss 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	100	72	HORIZONTAL
2	15728.49	51.80	74.00	-22.20	43.59	6.14	37.46	35.39	100	72	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	103	72	VERTICAL
2	15718.46	40.34	54.00	-13.66	32.11	6.14	37.48	35.39	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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	CableAntenna Loss 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	100	319	HORIZONTAL
2	15523.17	37.52	54.00	-16.48	29.01	6.13	37.67	35.29	100	319	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	100	259	VERTICAL
2	15541.20	51.55	74.00	-22.45	43.04	6.13	37.69	35.31	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	15563.40	52.12	74.00	-21.88	43.69	6.13	37.63	35.33	100	65	HORIZONTAL
2	15568.04	39.63	54.00	-14.37	31.20	6.13	37.63	35.33	100	65	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	15564.96	39.63	54.00	-14.37	31.18	6.13	37.65	35.33	100	147	VERTICAL
2	15574.88	52.15	74.00	-21.85	43.74	6.13	37.61	35.33	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preampl		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preampl		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	CableAntenna Loss 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	100	109	HORIZONTAL
2	15692.71	51.26	74.00	-22.74	43.01	6.14	37.49	35.38	100	109	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	100	245	VERTICAL
2	15692.68	50.79	74.00	-23.21	42.54	6.14	37.49	35.38	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	CableAntenna Loss 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	100	329	HORIZONTAL
2	15631.25	50.10	74.00	-23.90	41.75	6.14	37.56	35.35	100	329	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	100	170	VERTICAL
2	15633.77	36.88	54.00	-17.12	28.53	6.14	37.56	35.35	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	CableAntenna Loss 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	100	341	HORIZONTAL
2	15645.14	47.33	74.00	-26.67	39.01	6.14	37.54	35.36	100	341	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	100	256	VERTICAL
2	15625.03	37.35	54.00	-16.65	29.00	6.14	37.56	35.35	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	15716.03	40.28	54.00	-13.72	32.04	6.14	37.48	35.38	Average	100	277
2	15717.53	52.66	74.00	-21.34	44.43	6.14	37.48	35.39	Peak	100	277

Vertical

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

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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	CableAntenna Loss 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	100	253	HORIZONTAL
2	15691.73	50.81	74.00	-23.19	42.56	6.14	37.49	35.38	100	253	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	100	118	VERTICAL
2	15692.50	37.53	54.00	-16.47	29.28	6.14	37.49	35.38	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	CableAntenna Loss Factor	Preamplifier 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	CableAntenna Loss Factor	Preamplifier 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp	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	Over	Read	Cable	Antenna	Preamp	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	CableAntenna Loss 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	100	232	HORIZONTAL
2	15727.13	50.87	74.00	-23.13	42.66	6.14	37.46	35.39	100	232	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	100	348	VERTICAL
2	15718.80	38.39	54.00	-15.61	30.16	6.14	37.48	35.39	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark			Pol/Phase
			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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark			Pol/Phase
			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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	CableAntenna Loss 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	100	222	HORIZONTAL
2	15639.46	50.87	74.00	-23.13	42.52	6.14	37.56	35.35	100	222	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	100	172	VERTICAL
2	15639.97	37.91	54.00	-16.09	29.59	6.14	37.54	35.36	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	15604.84	49.38	74.00	-24.62	40.99	6.13	37.60	35.34	100	232	HORIZONTAL
2	15607.28	36.99	54.00	-17.01	28.62	6.13	37.58	35.34	100	232	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
1	15609.04	36.80	54.00	-17.20	28.43	6.13	37.58	35.34	100	157	VERTICAL
2	15609.17	49.47	74.00	-24.53	41.10	6.13	37.58	35.34	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	Cable	Antenna	Preamp	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	Over	Read	Cable	Antenna	Preamp	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	CableAntenna Loss 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	100	272	HORIZONTAL
2	15717.60	37.85	54.00	-16.15	29.62	6.14	37.48	35.39	100	272	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	100	203	VERTICAL
2	15721.54	37.93	54.00	-16.07	29.70	6.14	37.48	35.39	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preampl		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preampl		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	15652.44	37.67	54.00	-16.33	29.35	6.14	37.54	35.36	Average	100	253
2	15653.96	50.10	74.00	-23.90	41.78	6.14	37.54	35.36	Peak	100	253

Vertical

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

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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	CableAntenna Loss Factor	Preampl 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	100	120	HORIZONTAL
2	15622.15	50.41	74.00	-23.59	42.05	6.13	37.58	35.35	100	120	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preampl 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	100	208	VERTICAL
2	15637.53	37.62	54.00	-16.38	29.27	6.14	37.56	35.35	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	Over	Read	CableAntenna	Preamp		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	Over	Read	CableAntenna	Preamp		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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15718.94	50.96	74.00	-23.04	42.73	6.14	37.48	35.39	Peak	100	171
2	15719.97	38.01	54.00	-15.99	29.78	6.14	37.48	35.39	Average	100	171

Vertical

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

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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	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	CableAntenna Loss	Antenna 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	CableAntenna Loss	Antenna 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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	CableAntenna Loss 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	100	239	HORIZONTAL
2	15639.74	49.93	74.00	-24.07	41.59	6.14	37.56	35.36	100	239	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss 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	100	133	VERTICAL
2	15639.87	37.59	54.00	-16.41	29.25	6.14	37.56	35.36	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	Cable	Antenna	Preamp	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	Over	Read	Cable	Antenna	Preamp	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	CableAntenna Loss 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	CableAntenna Loss 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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB			
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB			
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB				
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB				
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB				
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB				
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB				
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB				
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB				
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
			dBuV/m	dB	dBuV	dB	dB/m	dB				
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
			dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
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