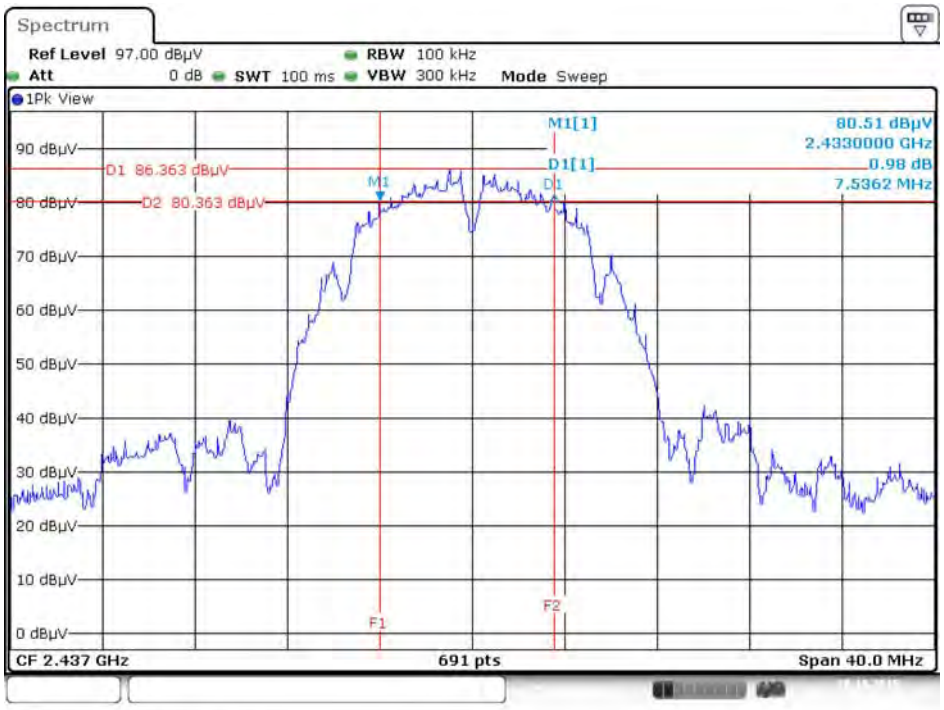
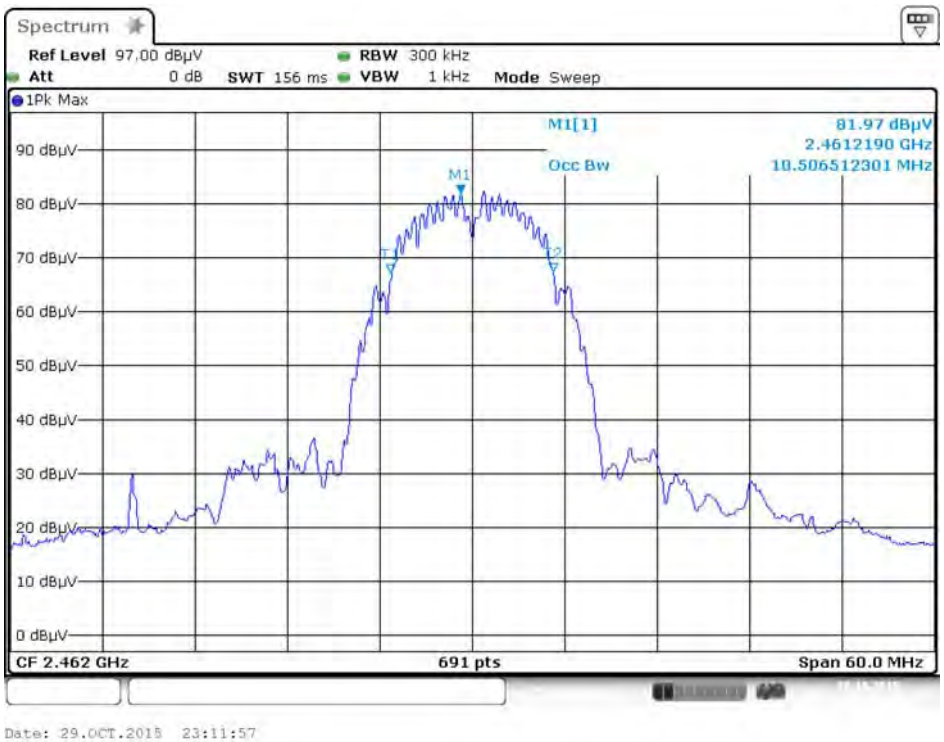
Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 1TX)

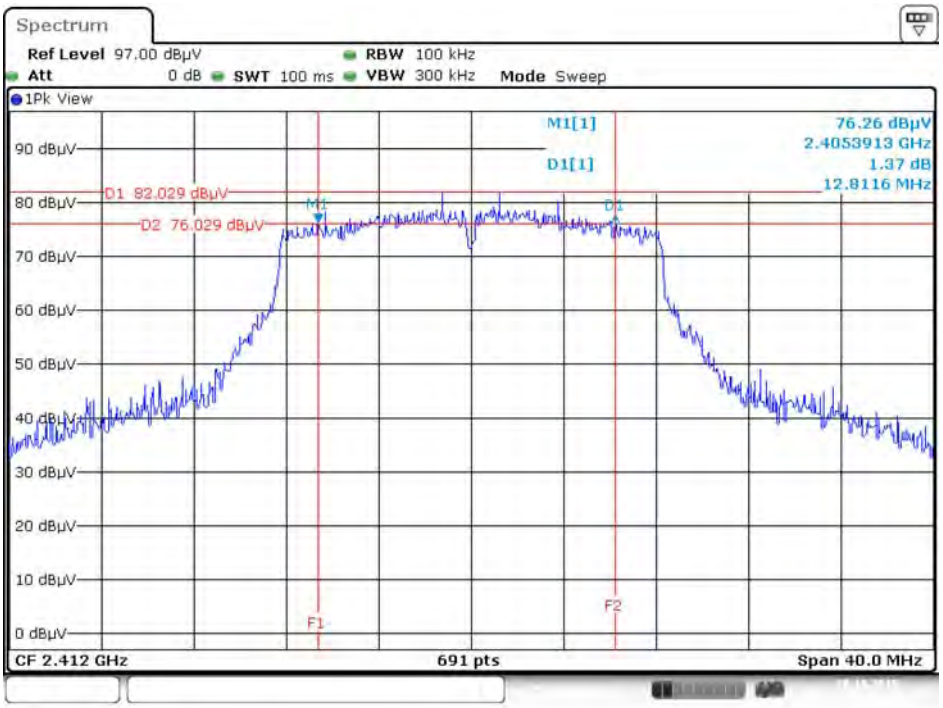
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1



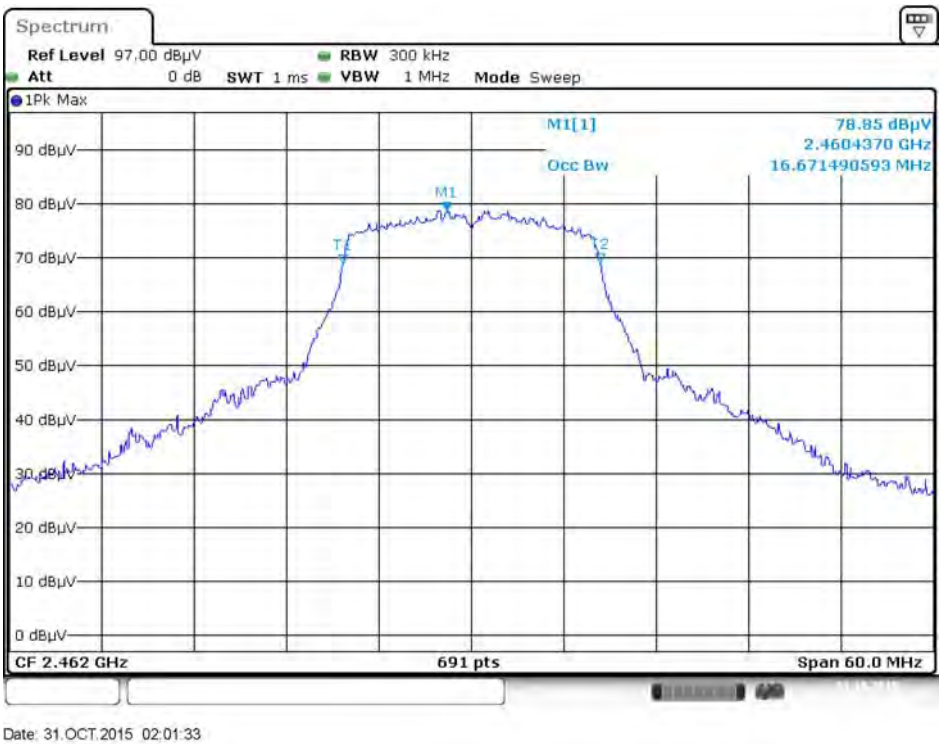
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



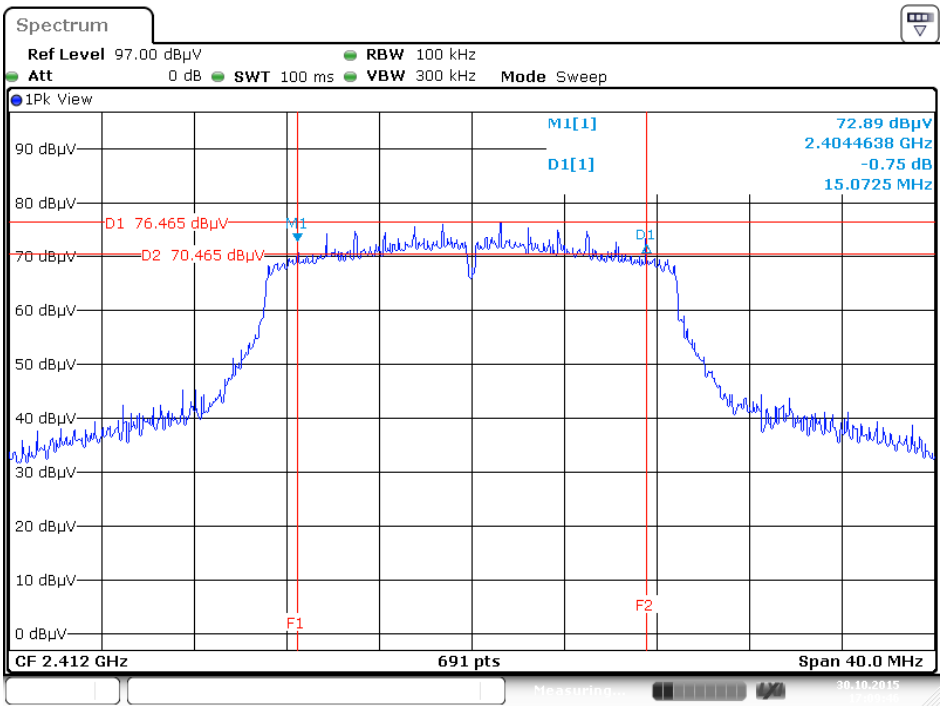
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Chain 1



99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1

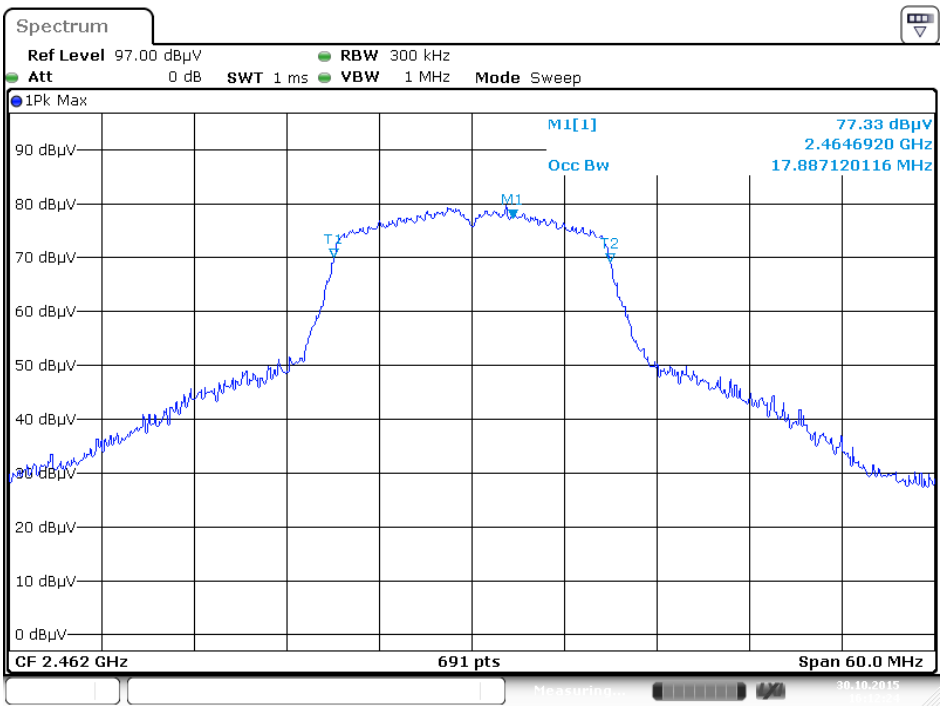


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1



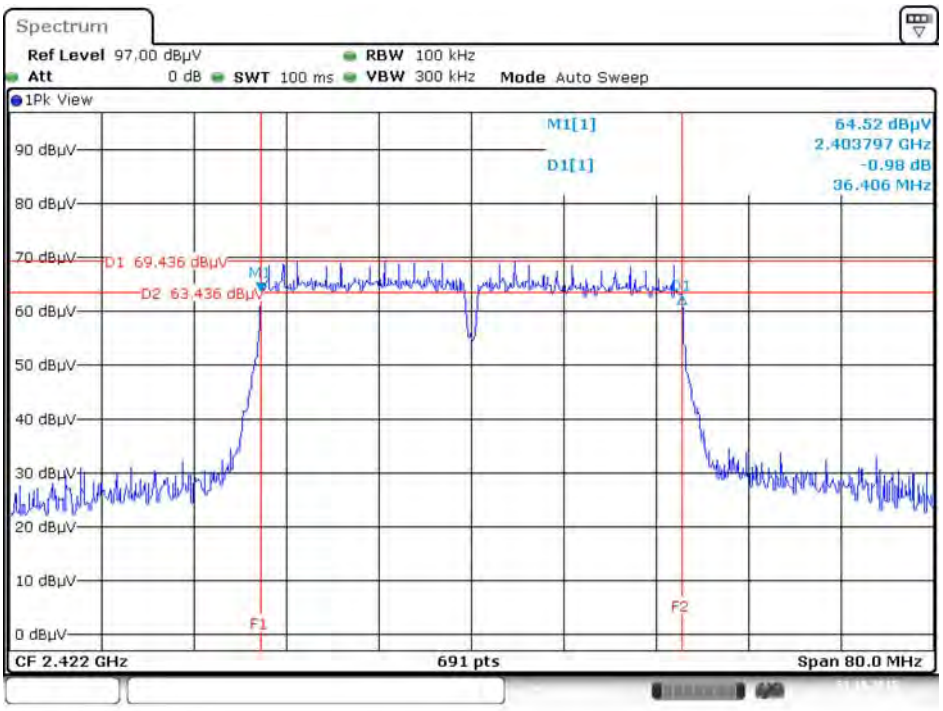
Date: 30.OCT.2015 17:09:46

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1



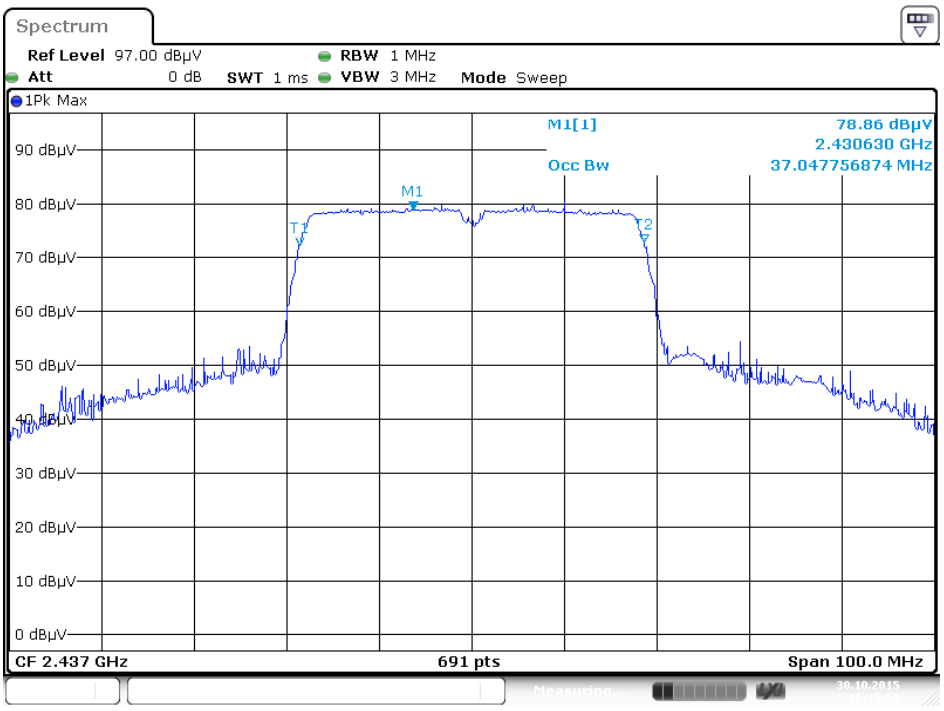
Date: 30.OCT.2015 16:12:25

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1



Date: 31.OCT.2015 02:09:46

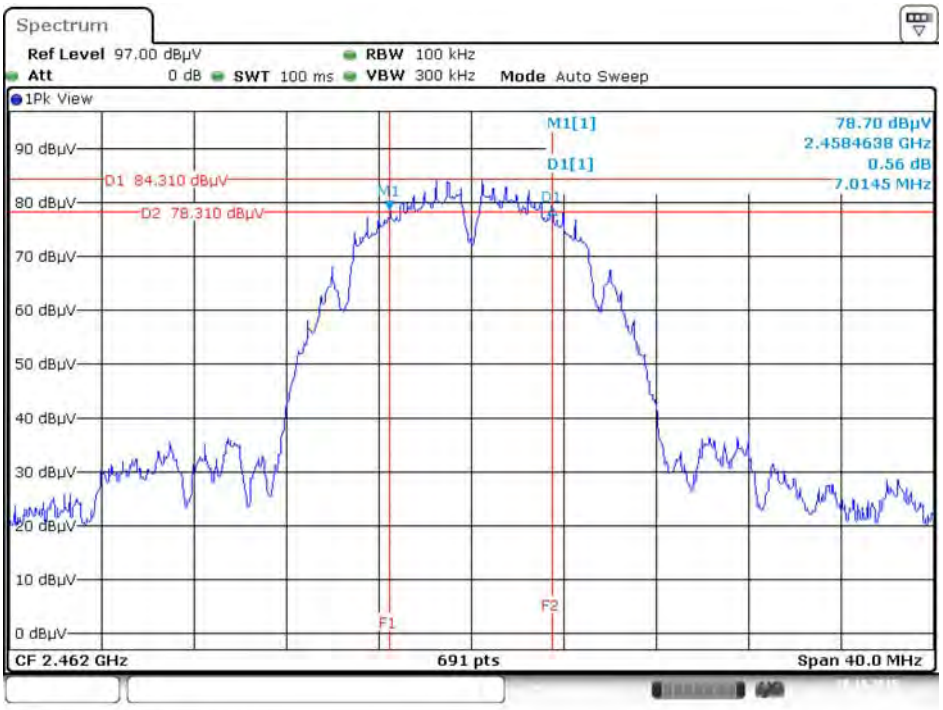
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1



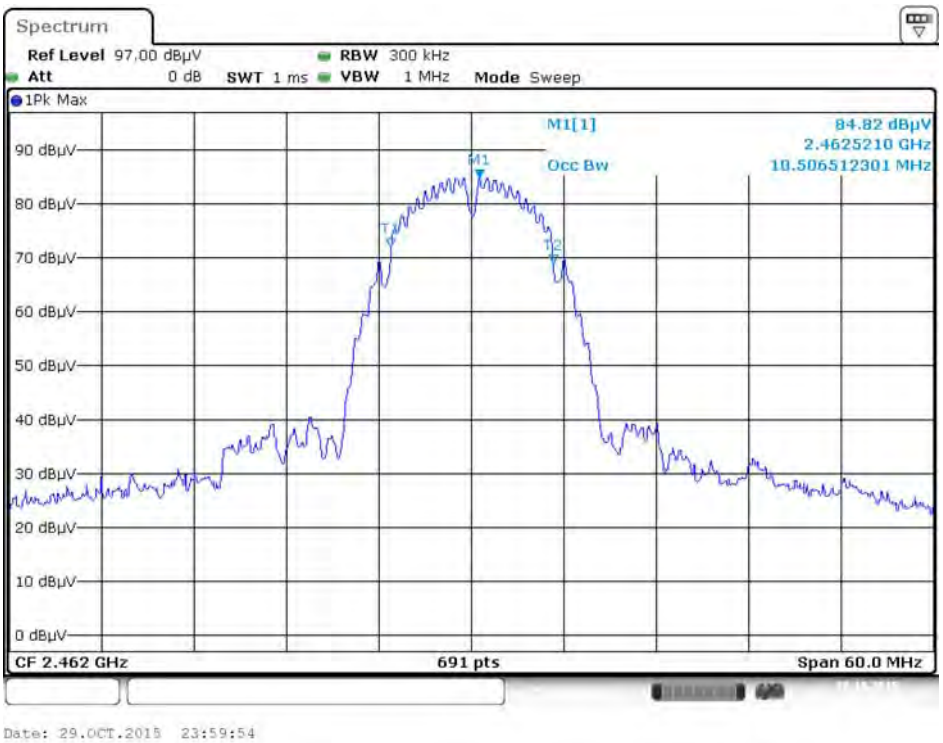
Date: 30.OCT.2015 16:13:57

Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 2TX)

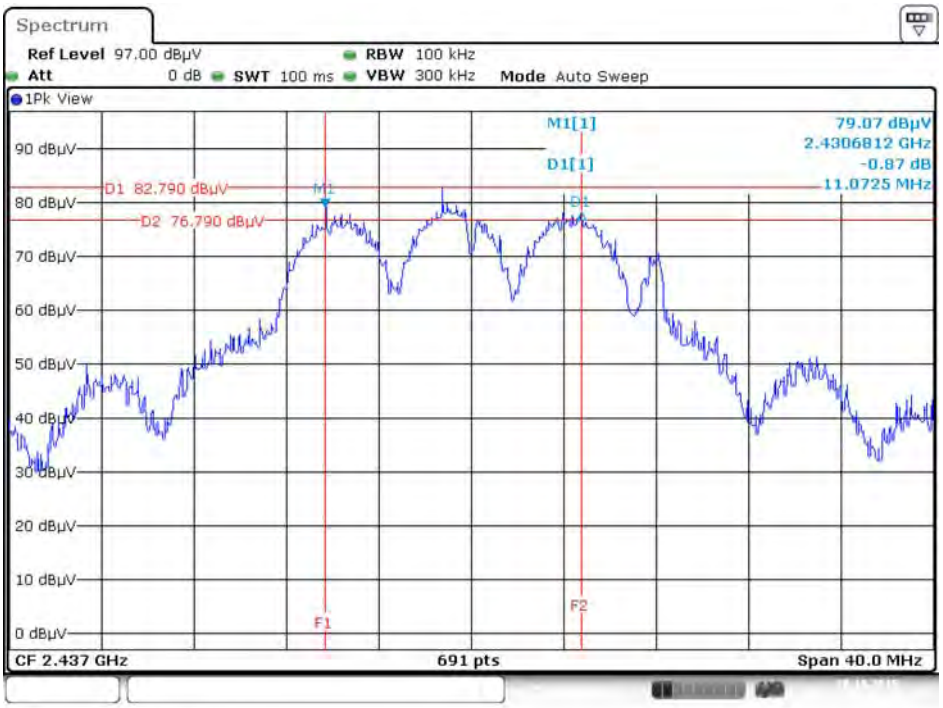
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2



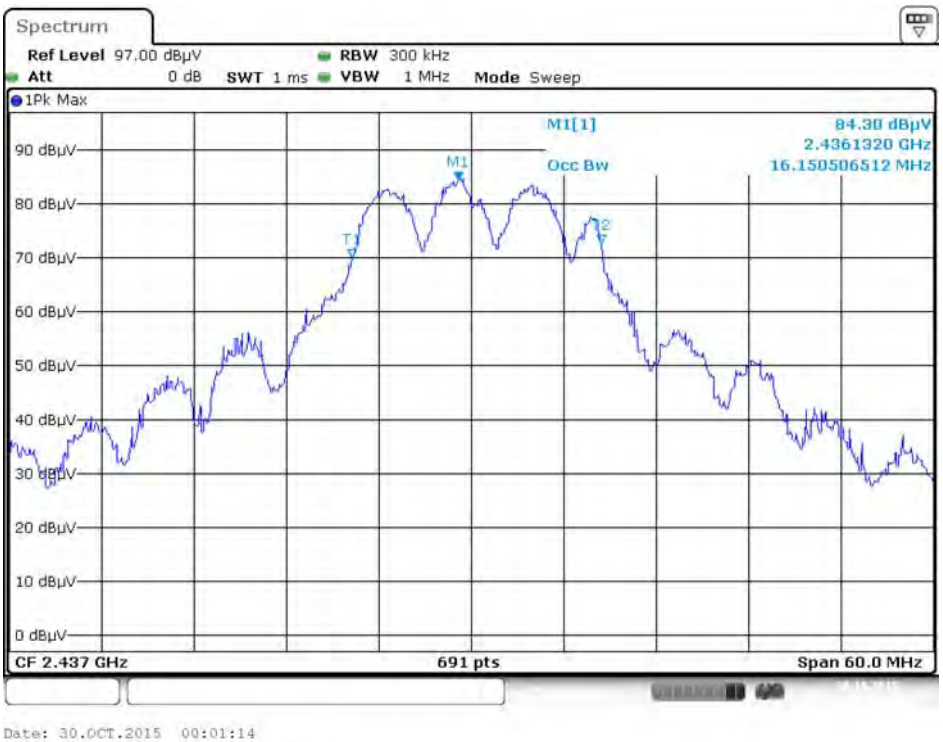
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2



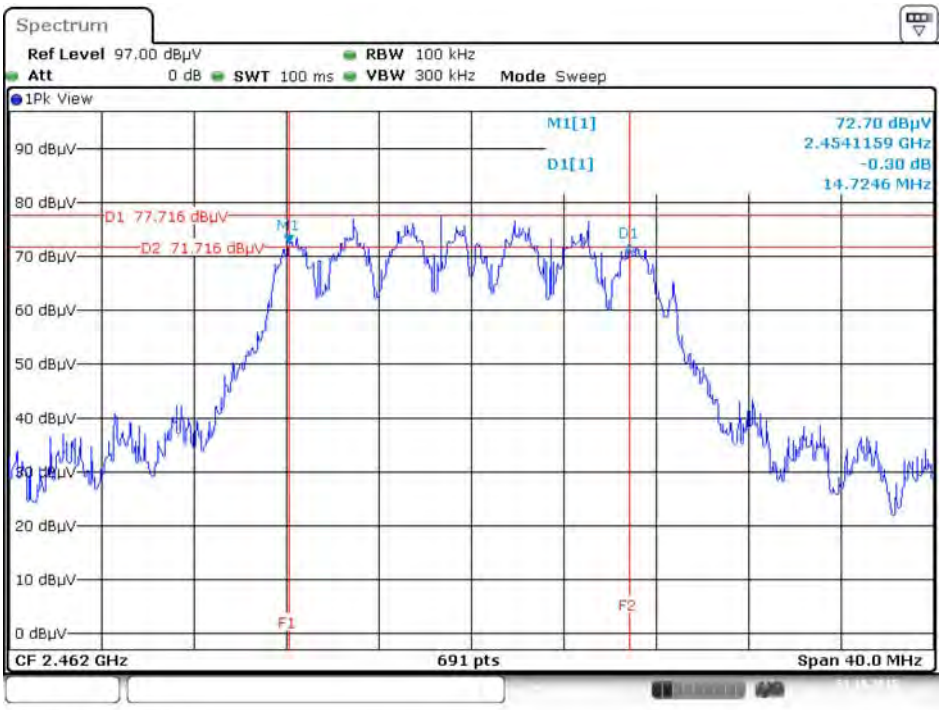
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2



99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2

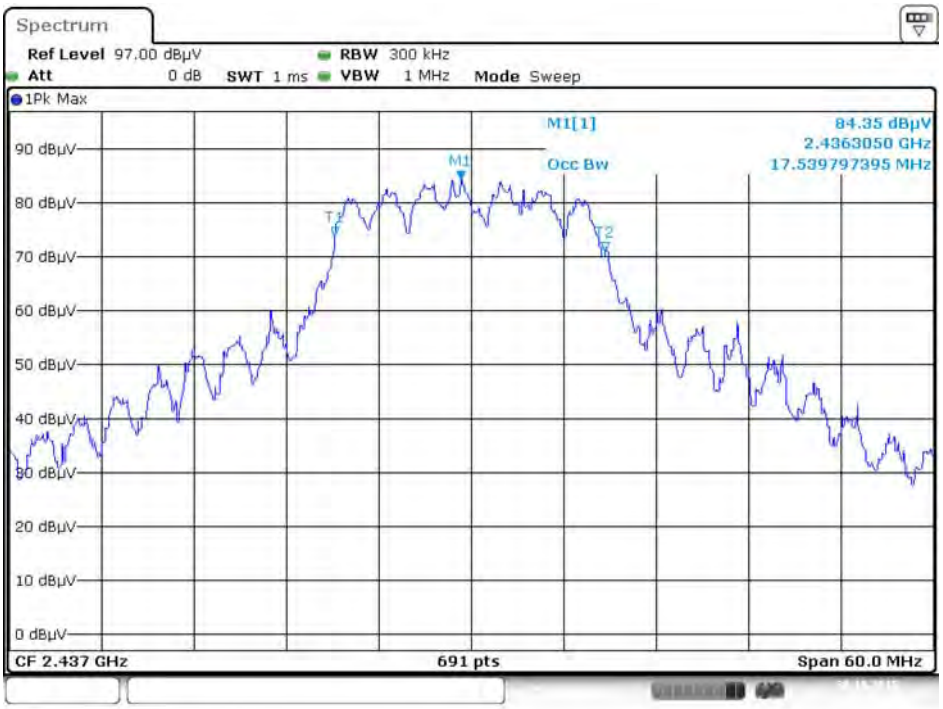


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1 + Chain 2



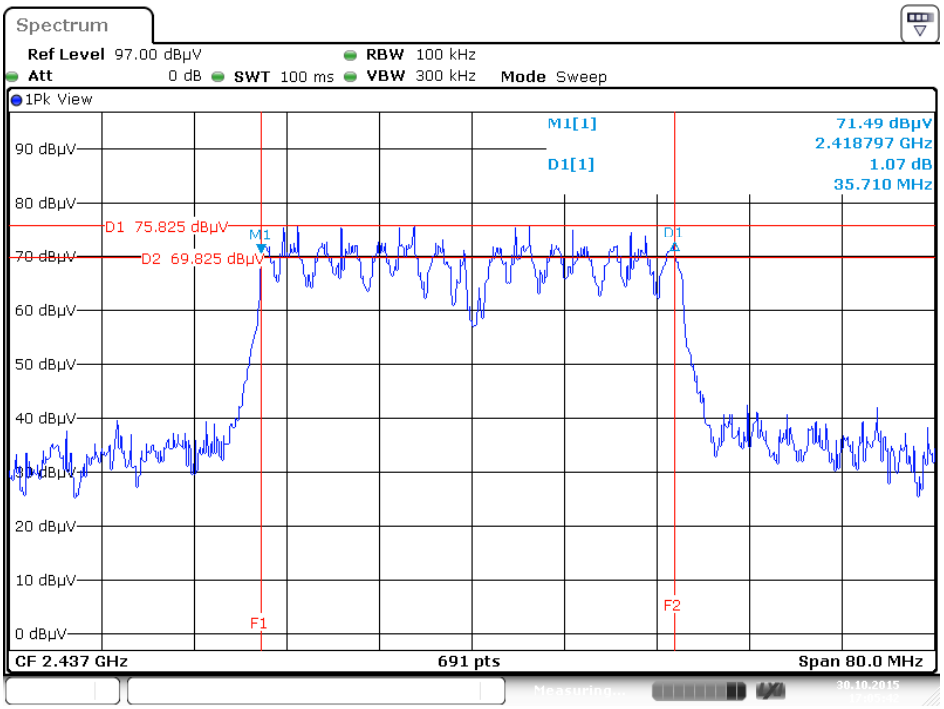
Date: 31.OCT.2015 18:19:08

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2



Date: 30.OCT.2015 00:02:34

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2



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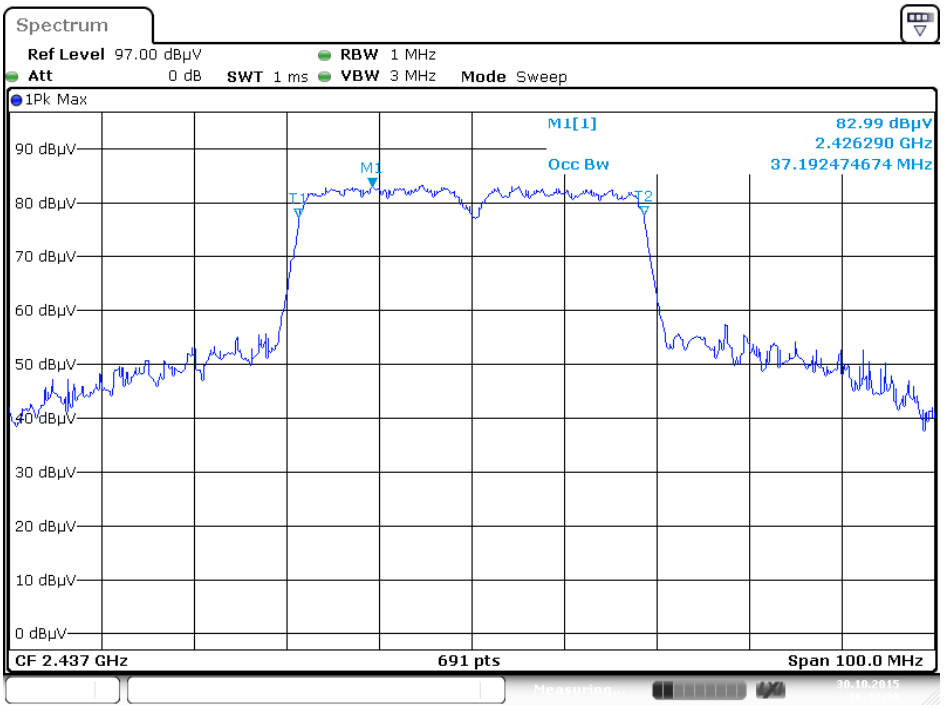
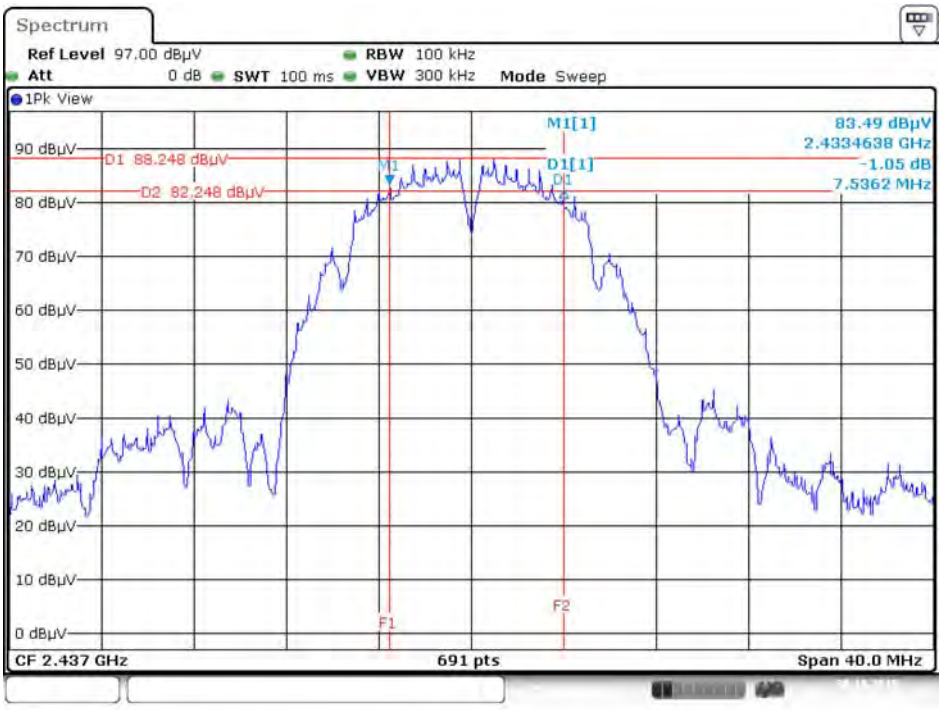
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2



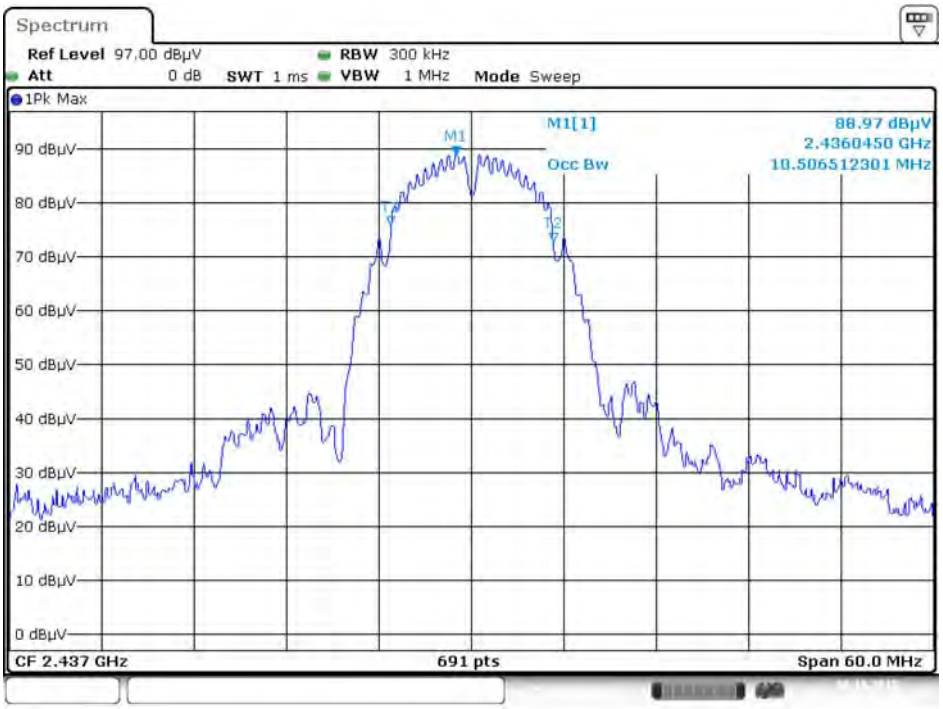
Date: 30.OCT.2015 16:22:38

Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 3TX)

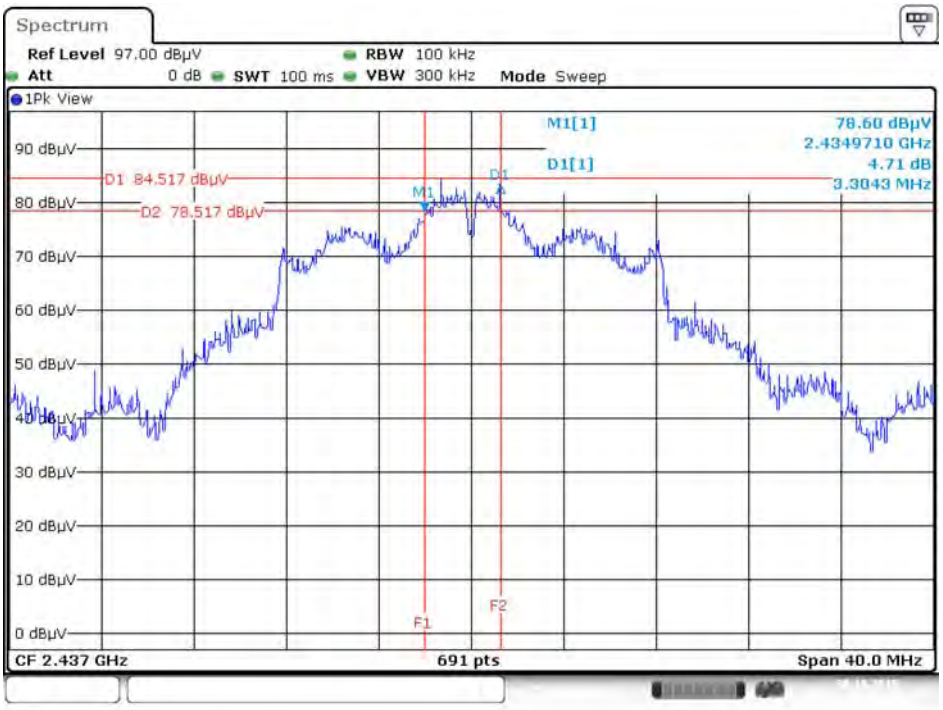
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



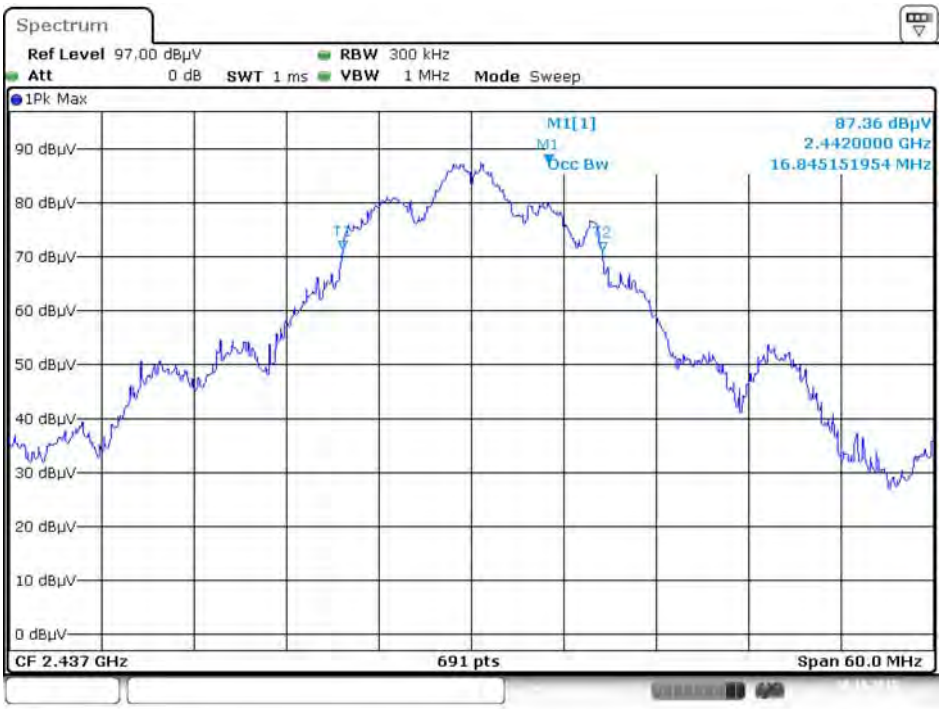
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



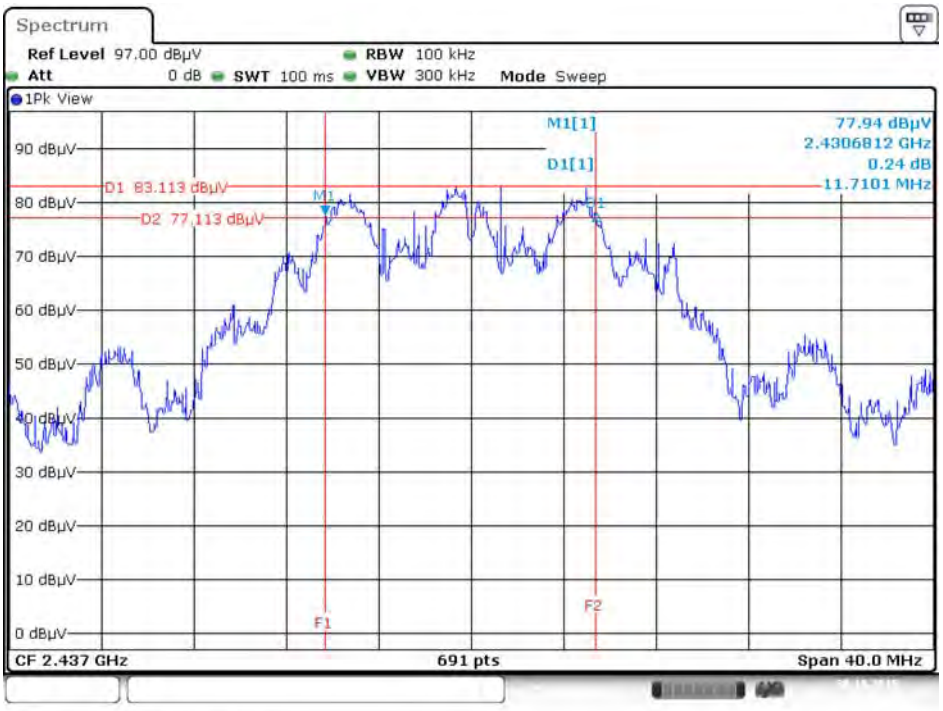
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3



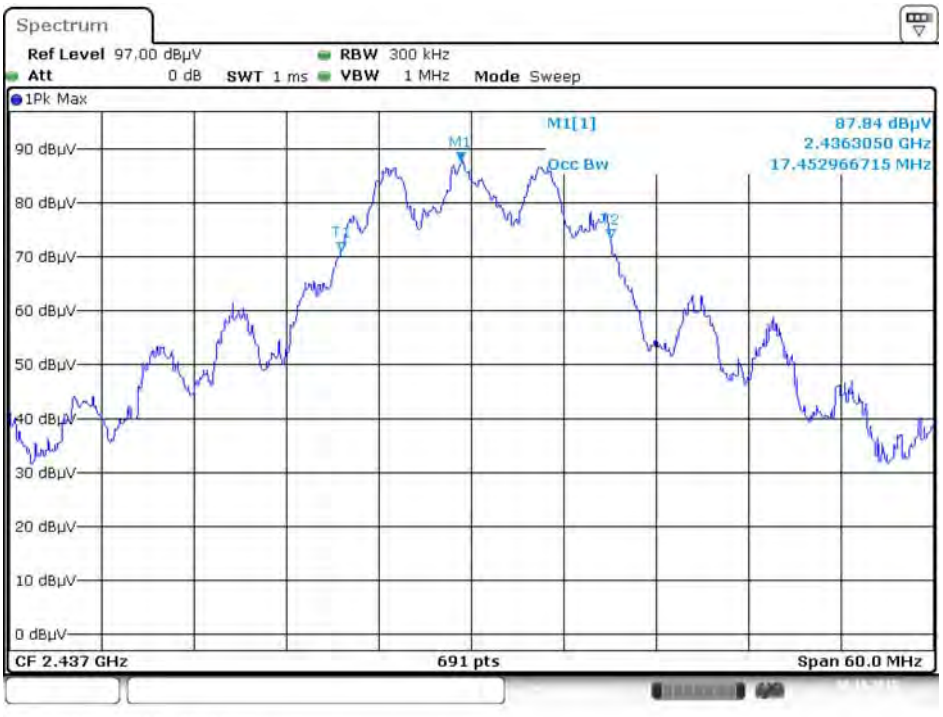
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3



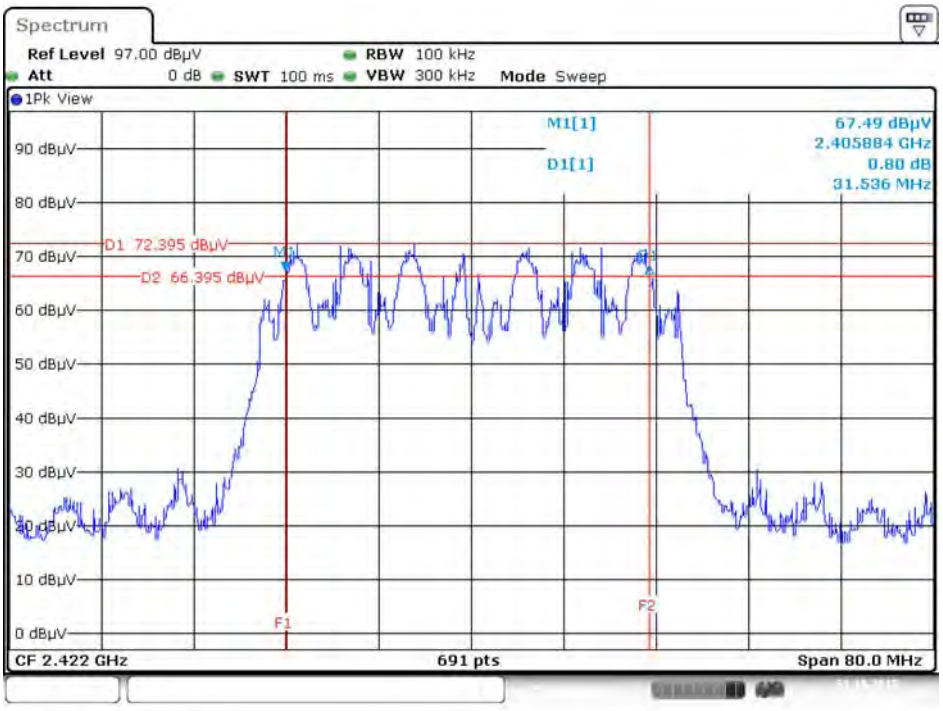
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3



99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3



6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1 + Chain 2 + Chain 3



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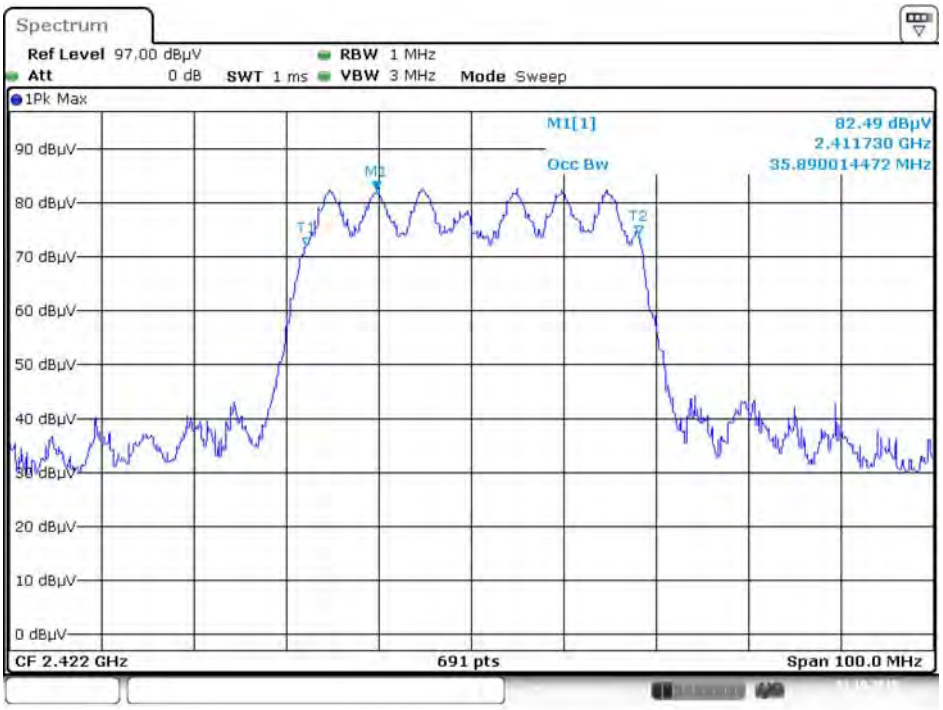
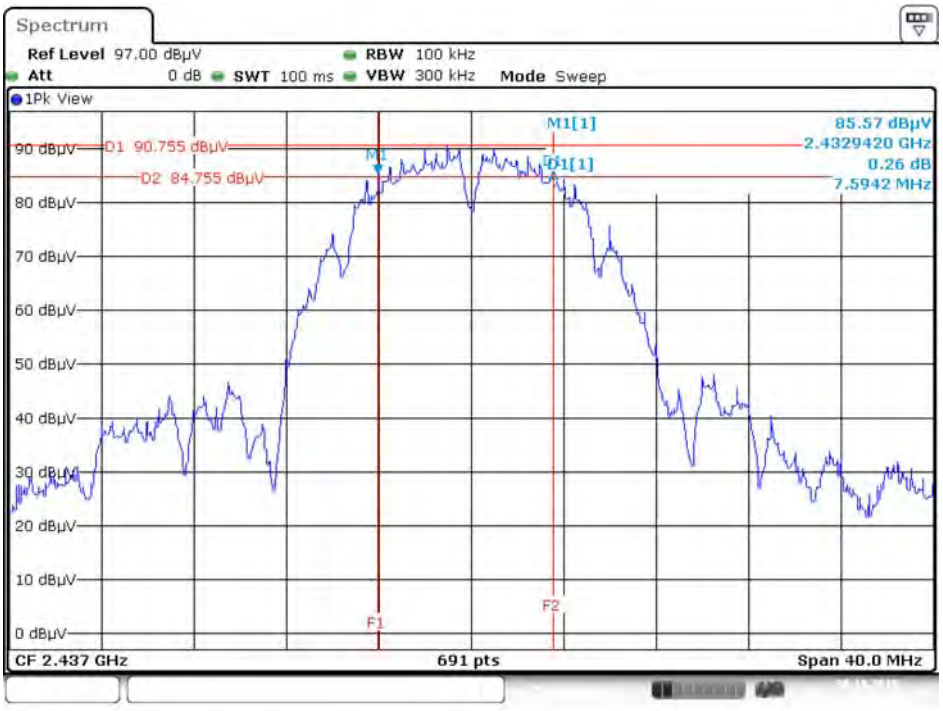
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1 + Chain 2 + Chain 3



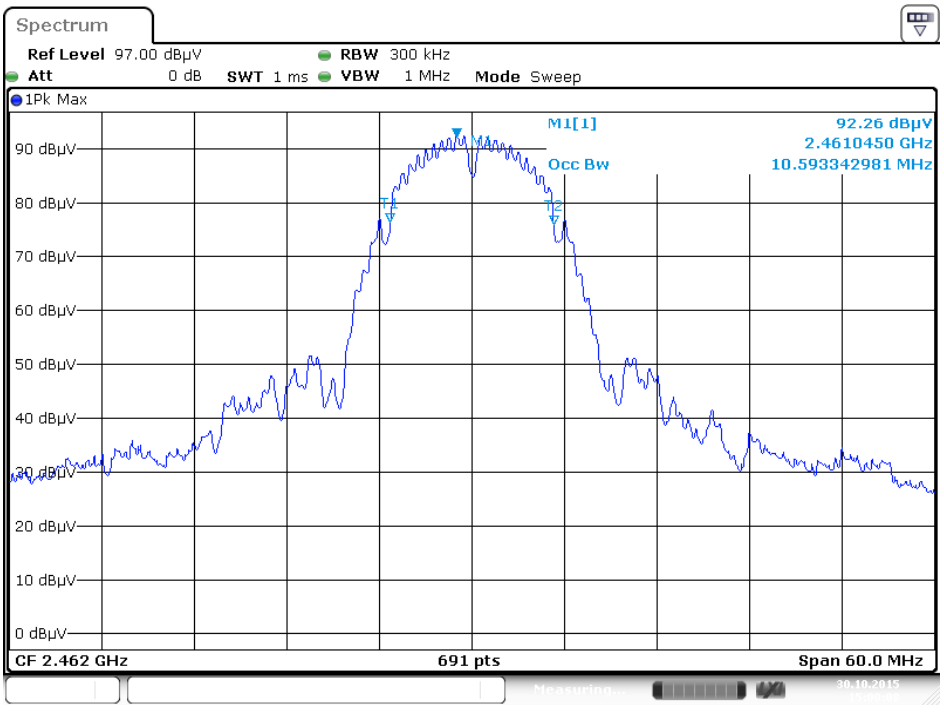
Date: 31.OCT.2015 17:35:34

Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

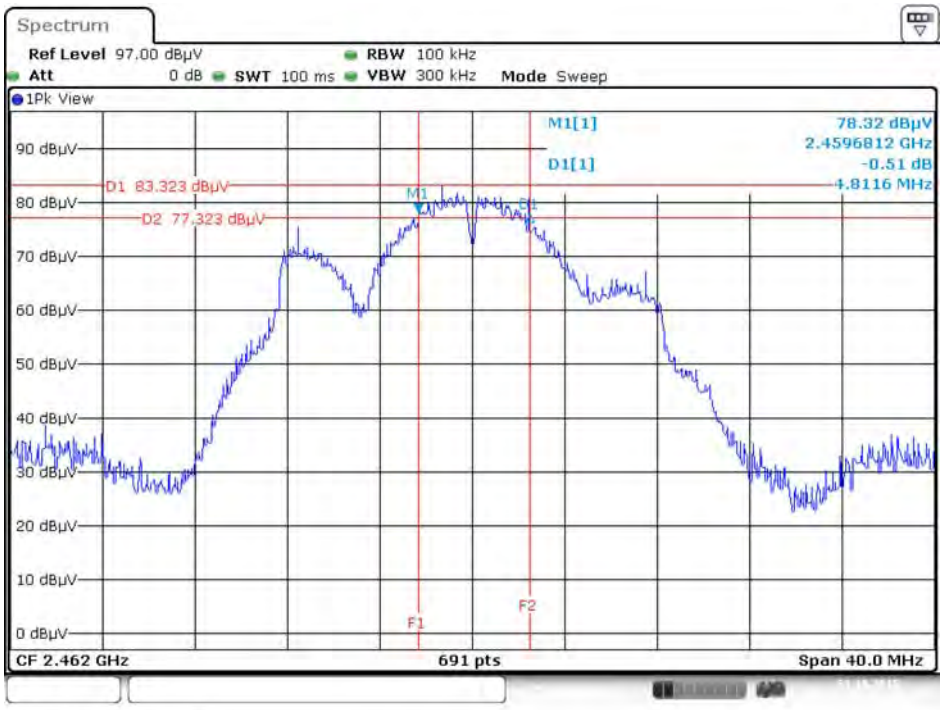
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



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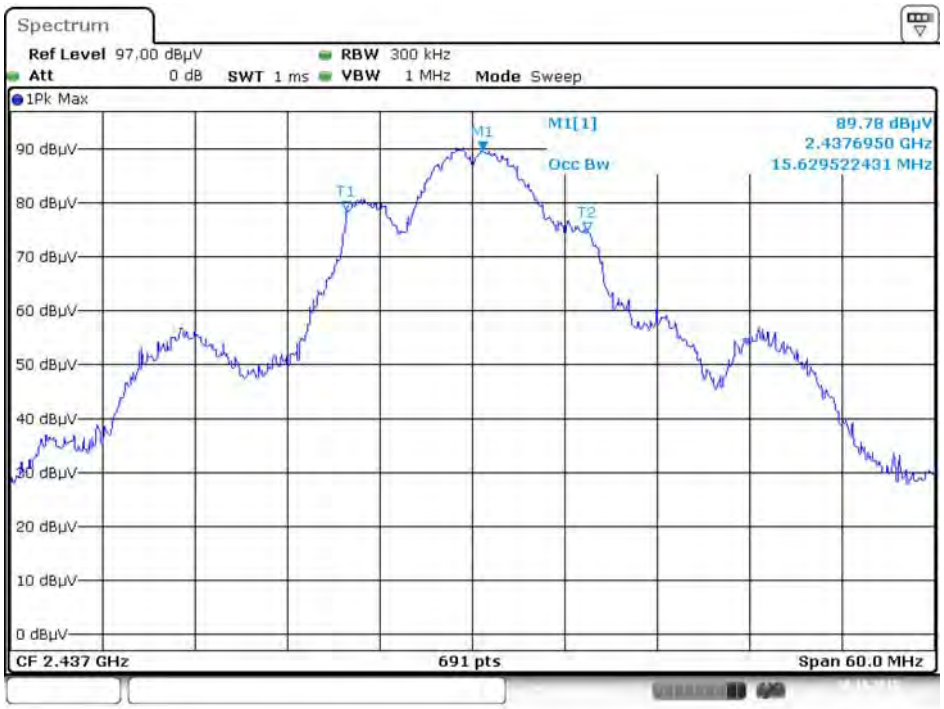
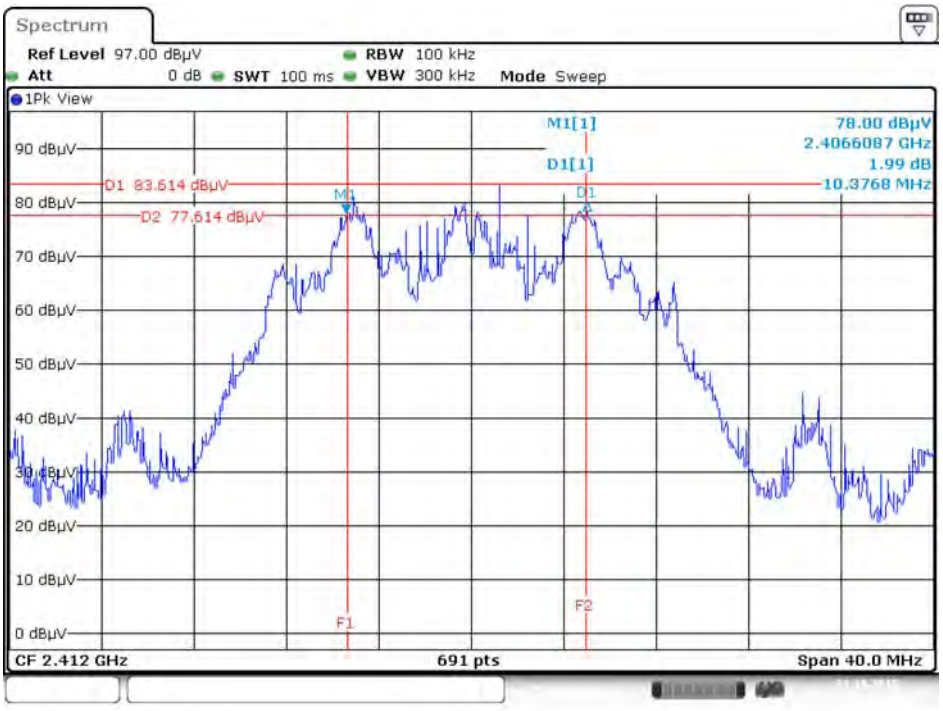
99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



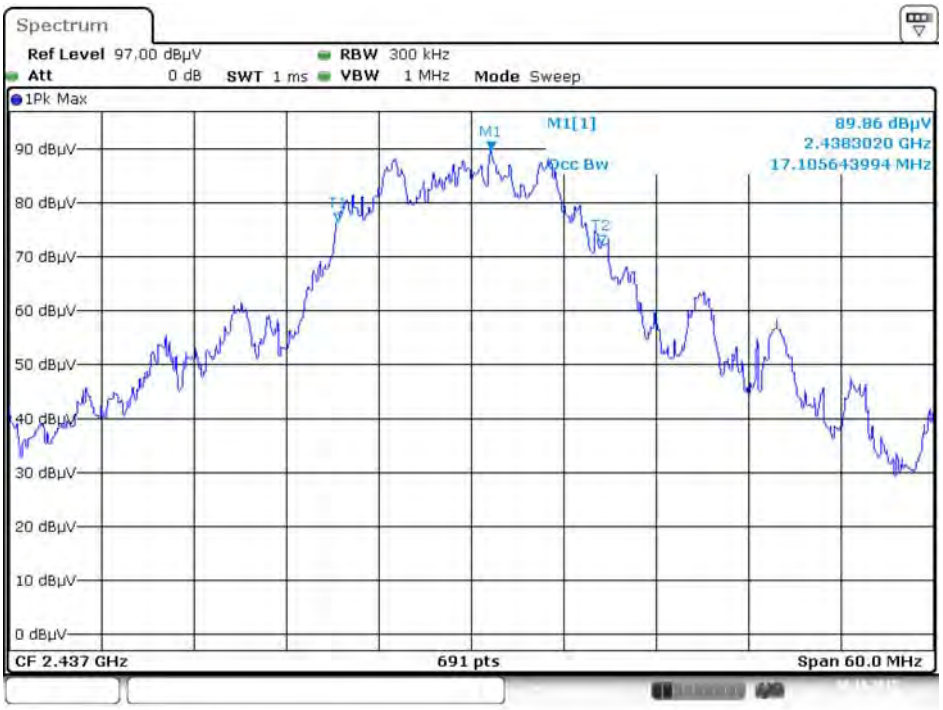
Date: 30.OCT.2015 01:36:44

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



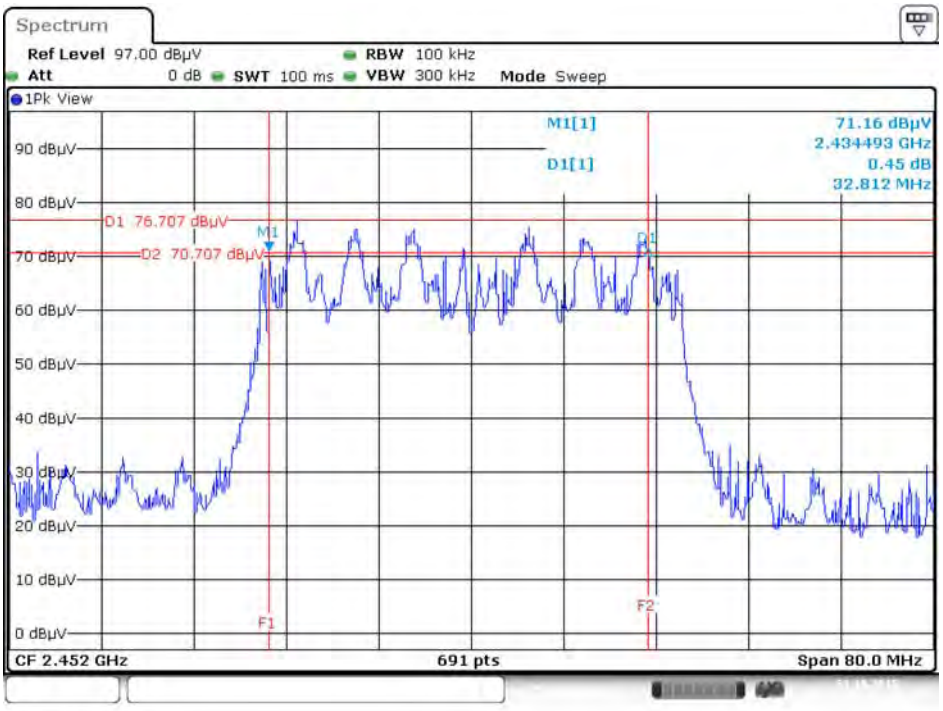
Date: 31.OCT.2015 18:30:34

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



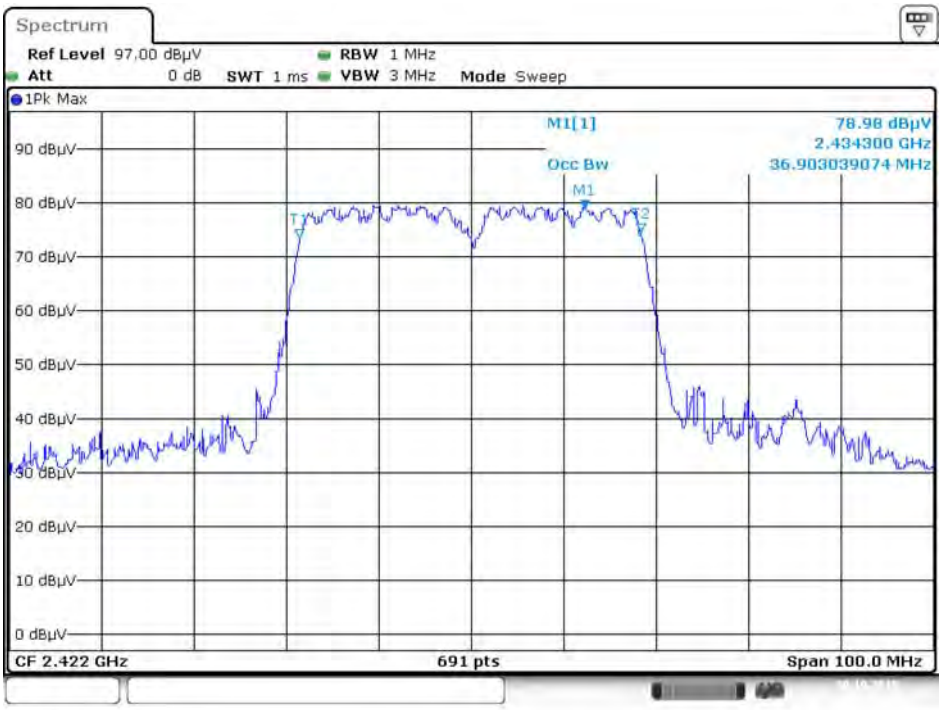
Date: 30.OCT.2015 01:37:55

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



Date: 31.OCT.2015 18:32:33

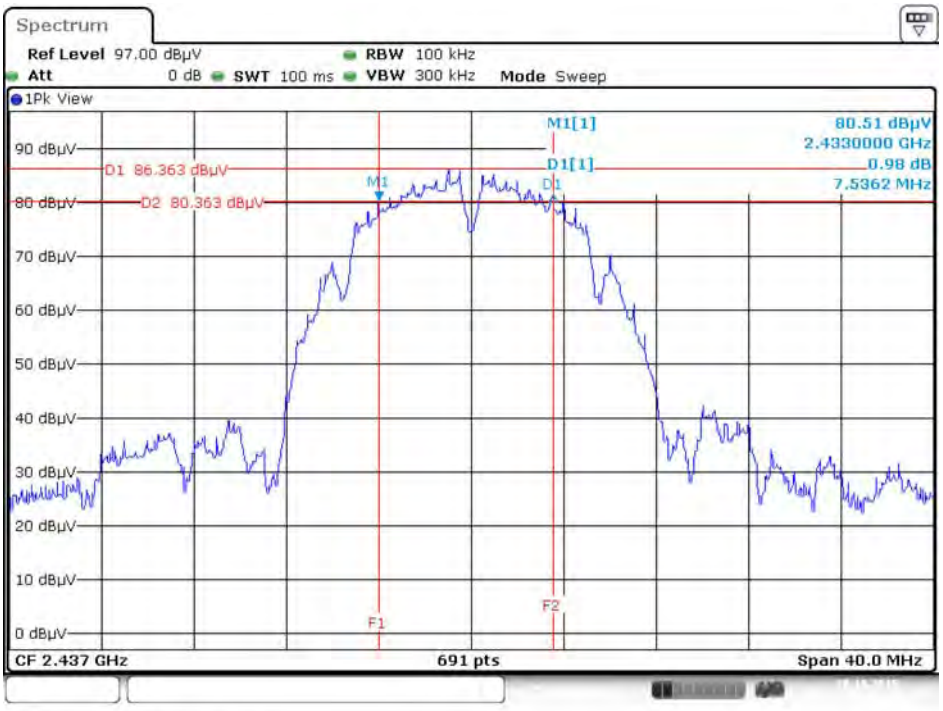
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



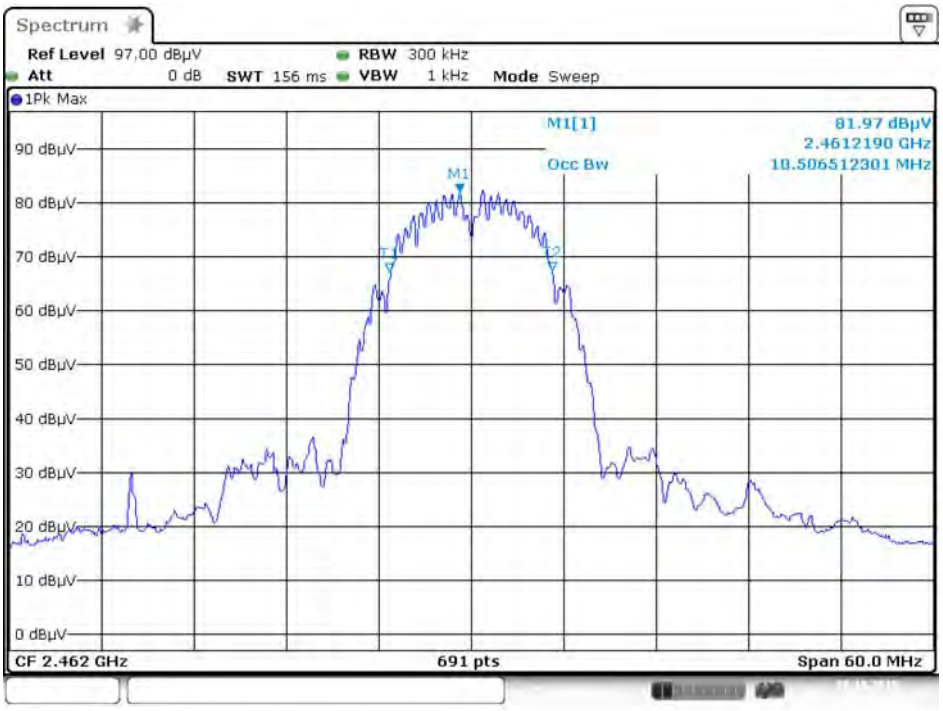
Date: 30.OCT.2015 21:06:48

Mode 5 (Set 8 Patch antenna / 3.53dBi / 1TX)

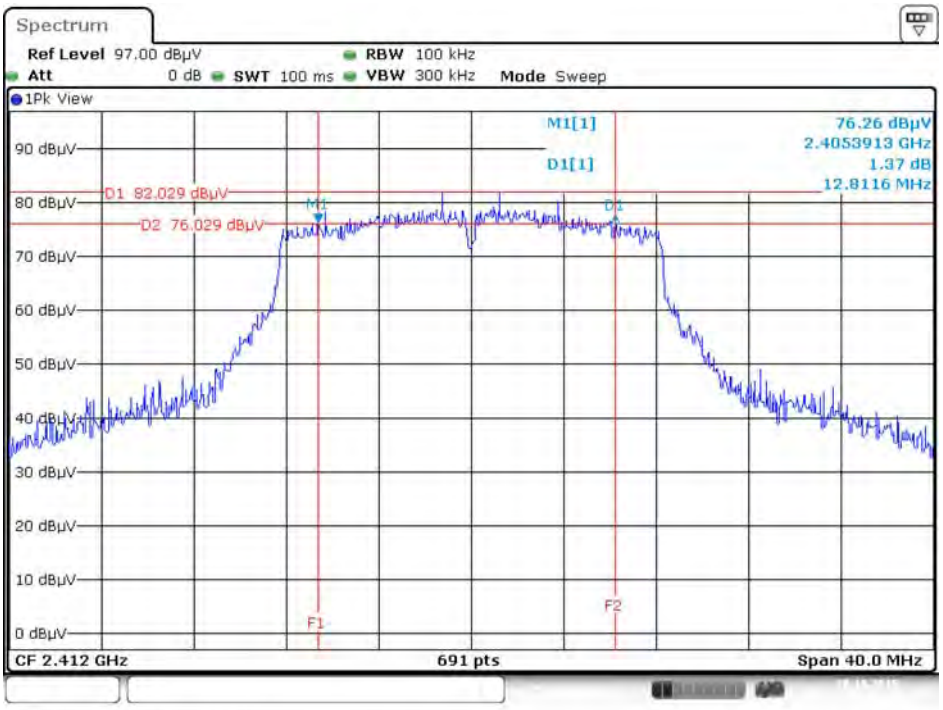
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1



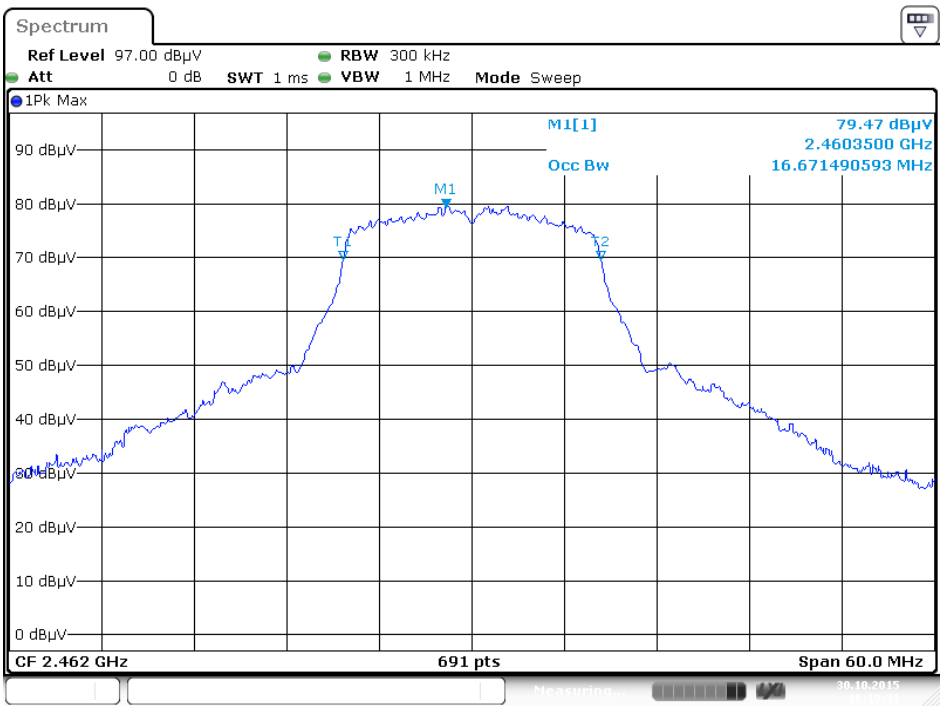
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1



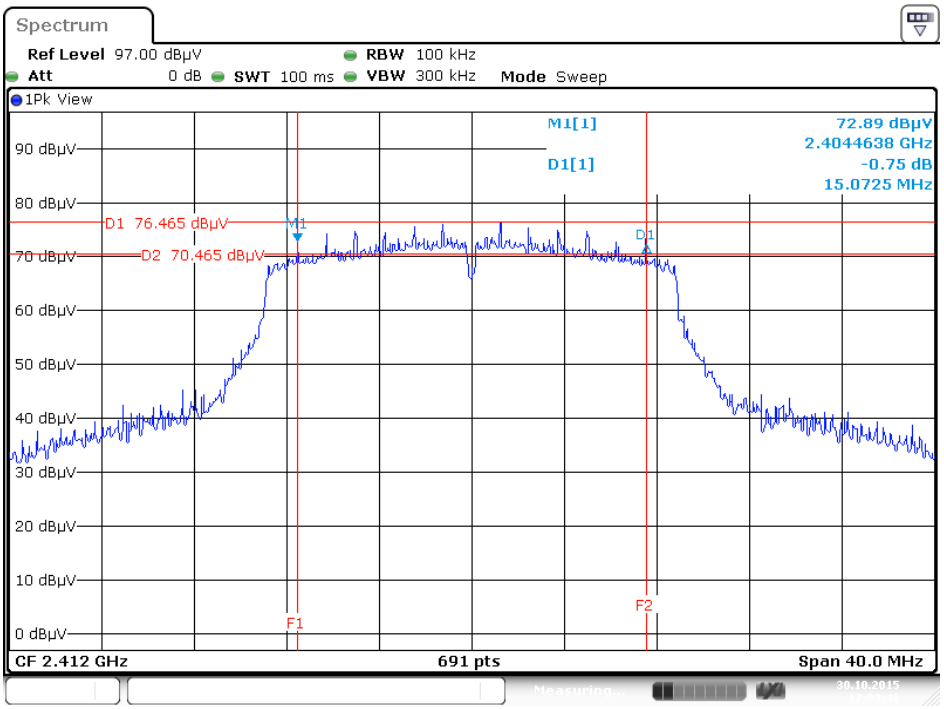
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Chain 1



99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1

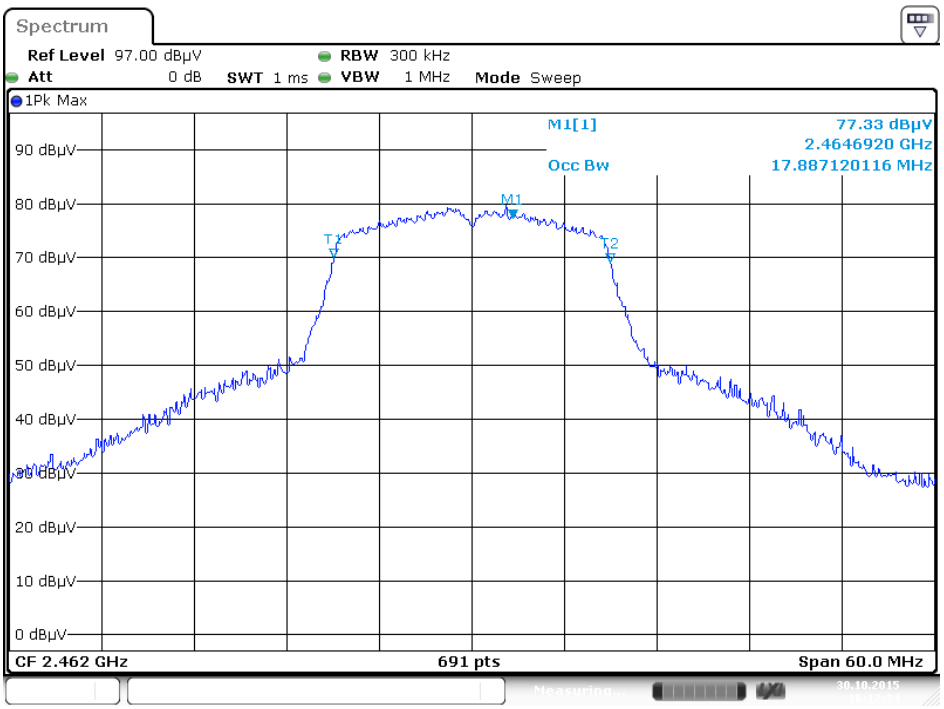


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1



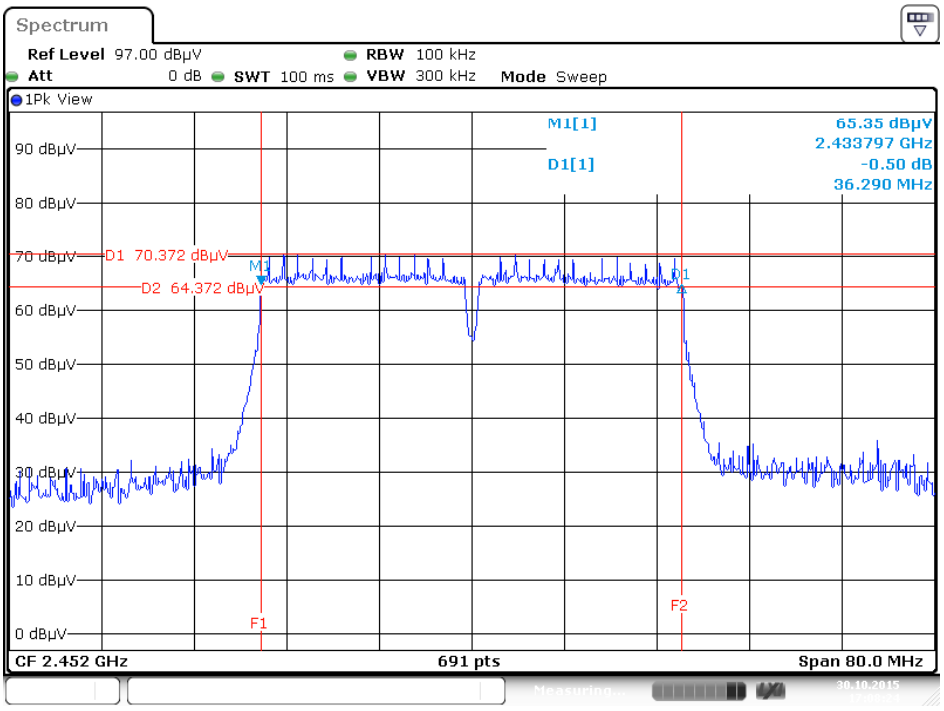
Date: 30.OCT.2015 17:09:46

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1



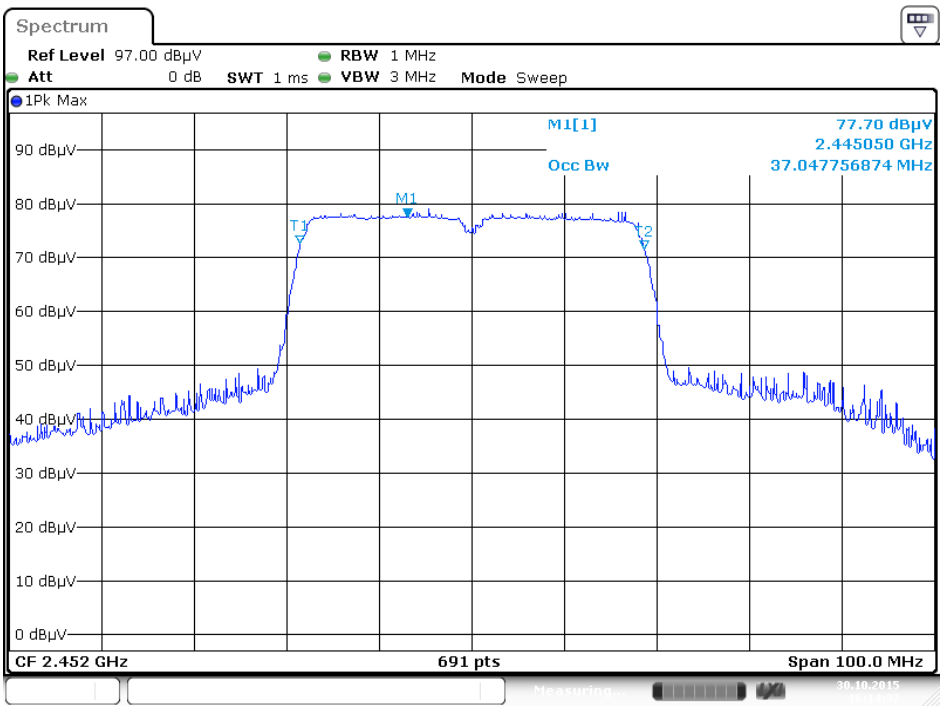
Date: 30.OCT.2015 16:12:25

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



Date: 30.OCT.2015 17:08:24

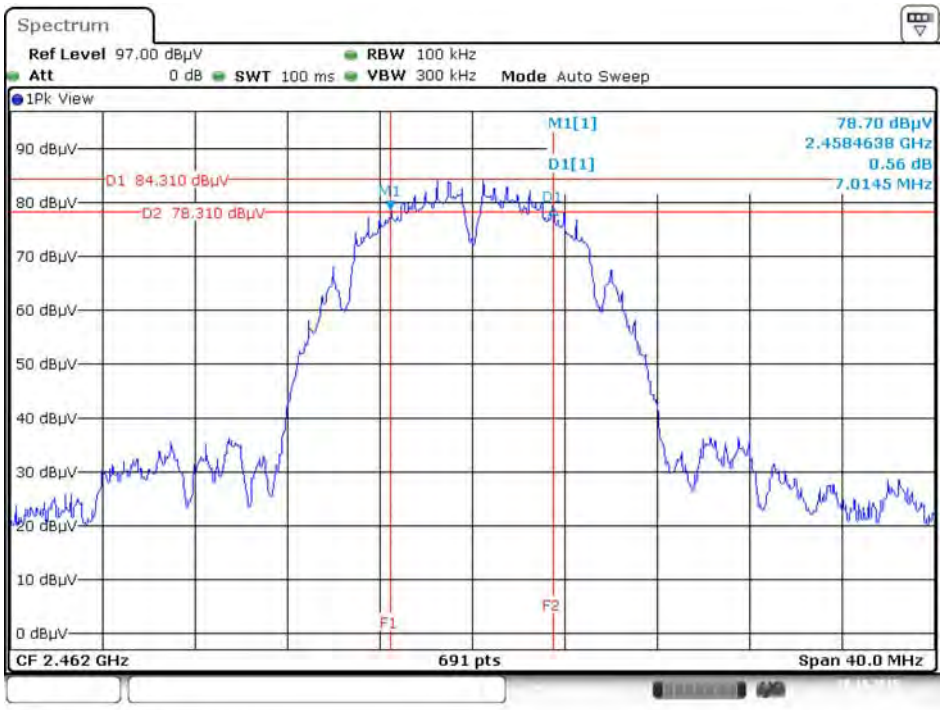
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



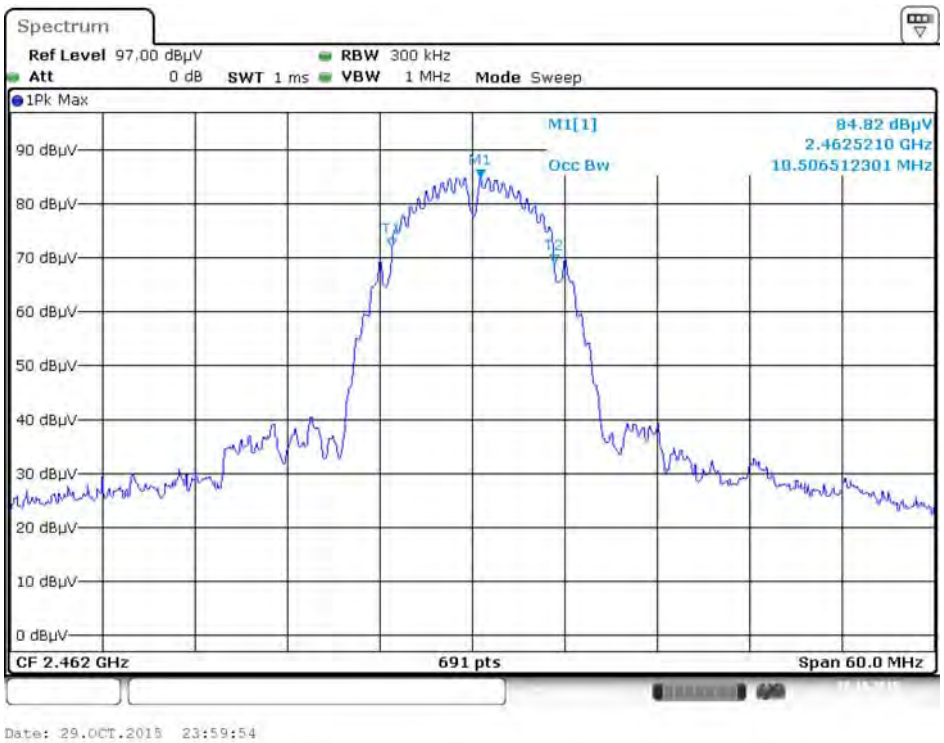
Date: 30.OCT.2015 16:14:32

Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX)

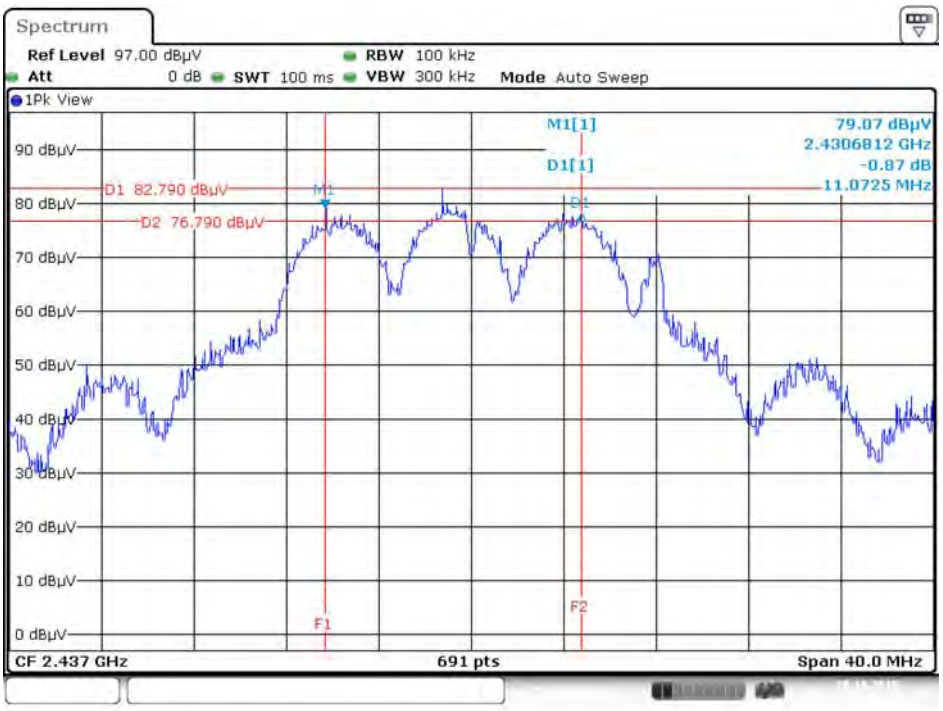
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2



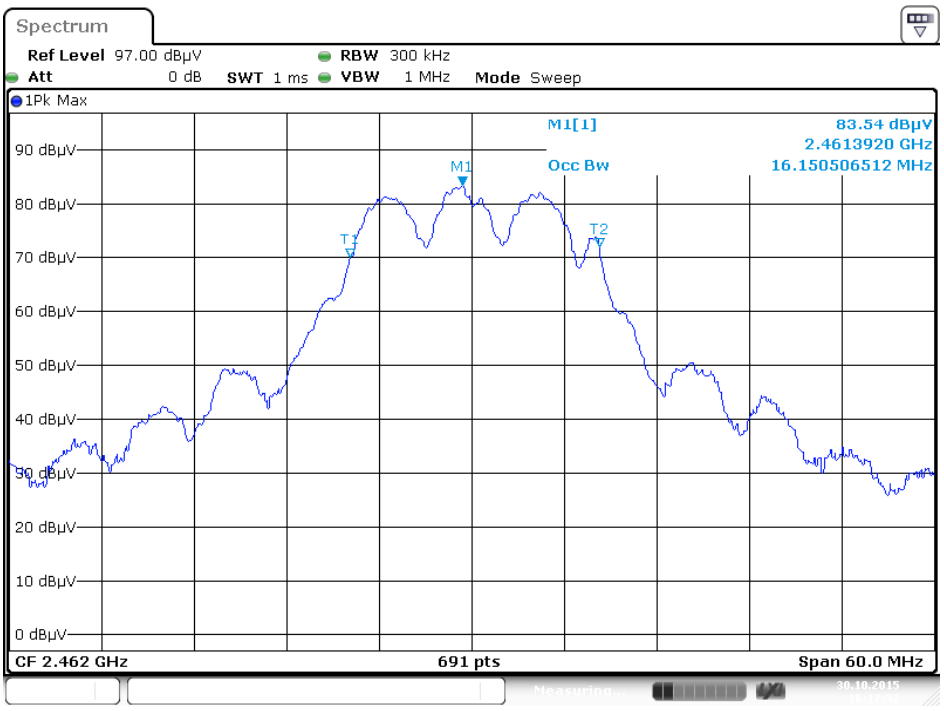
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2



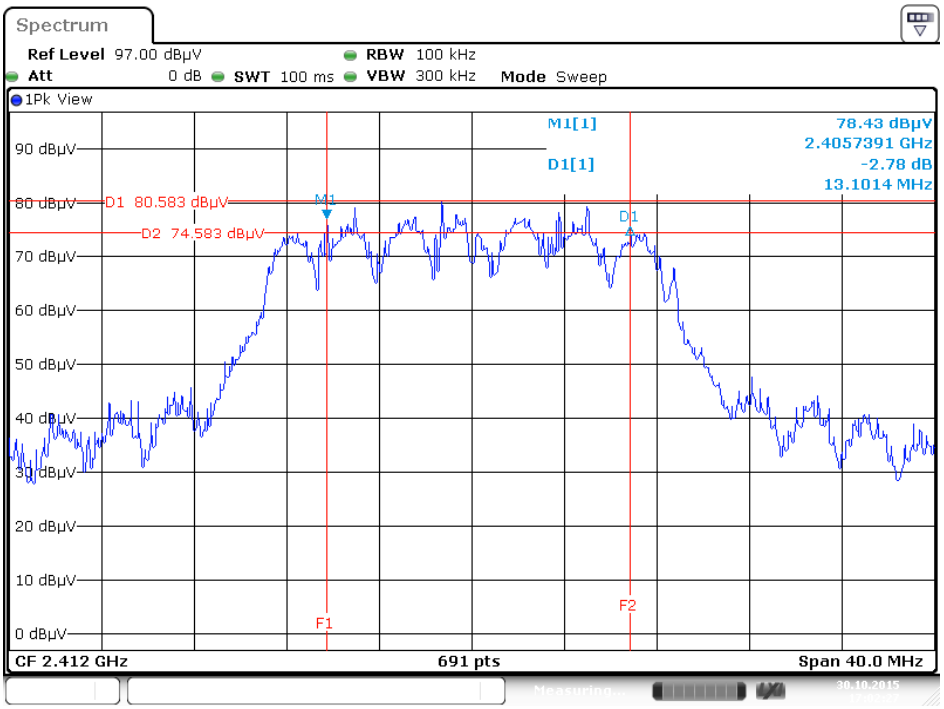
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2



99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1 + Chain 2

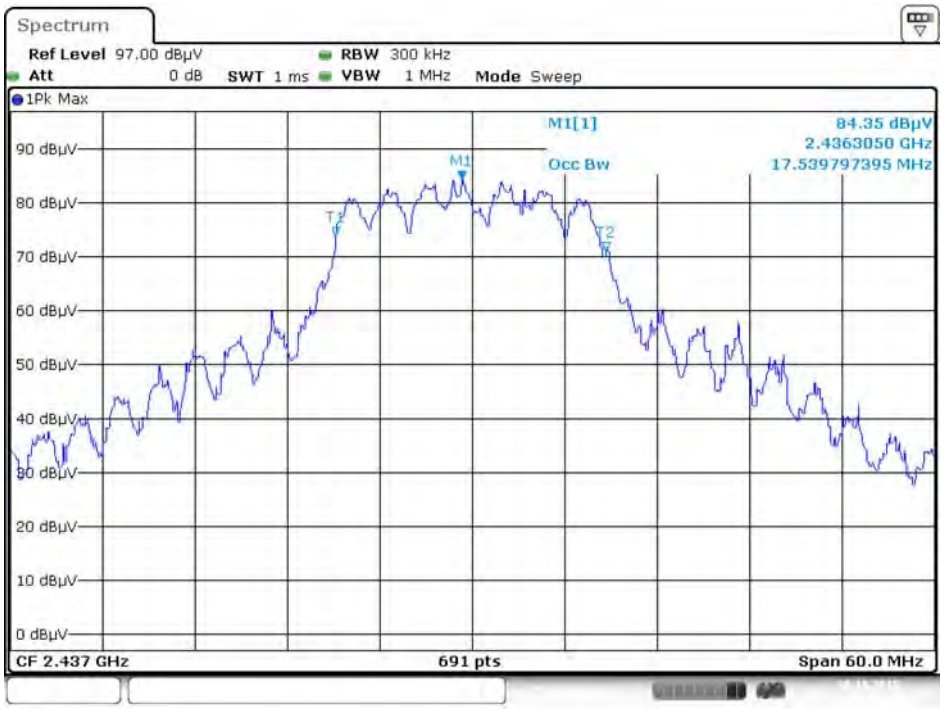


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 2



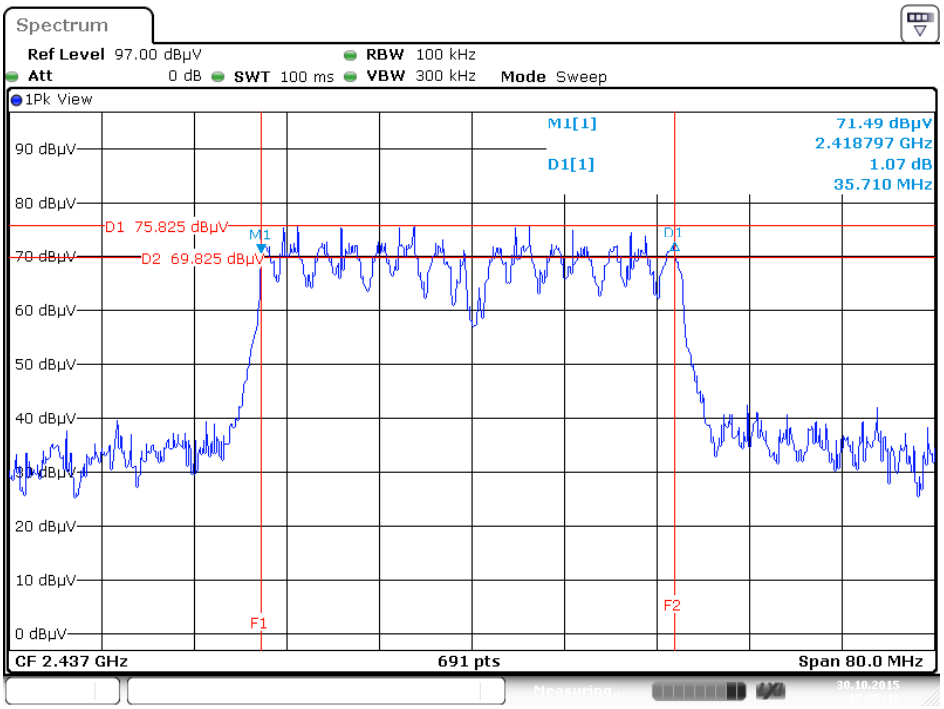
Date: 30.OCT.2015 17:02:27

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2



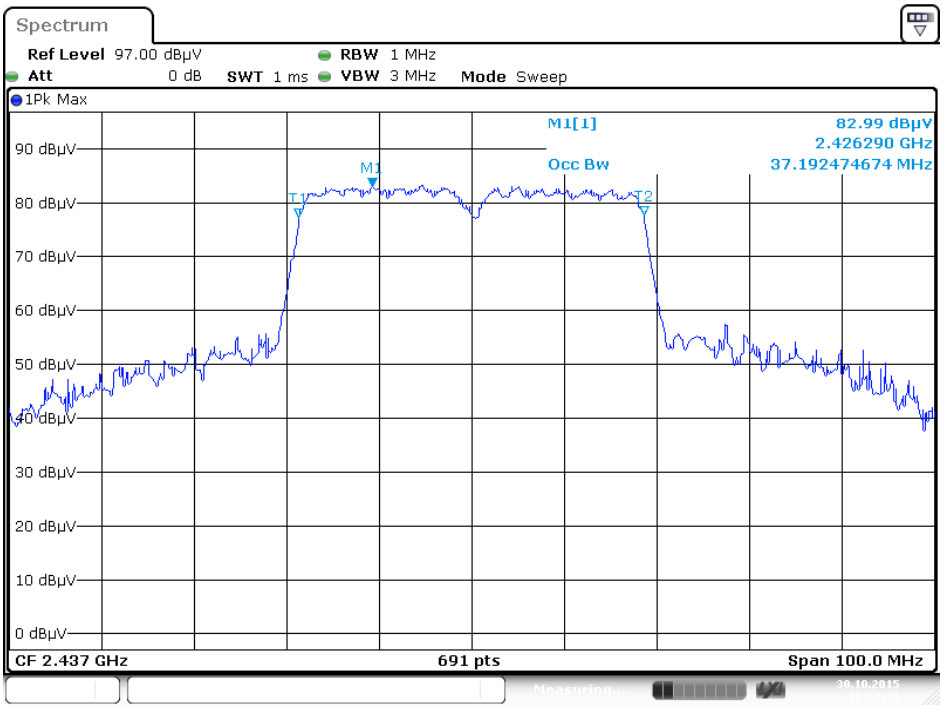
Date: 30.OCT.2015 00:02:34

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2



Date: 30.OCT.2015 17:05:43

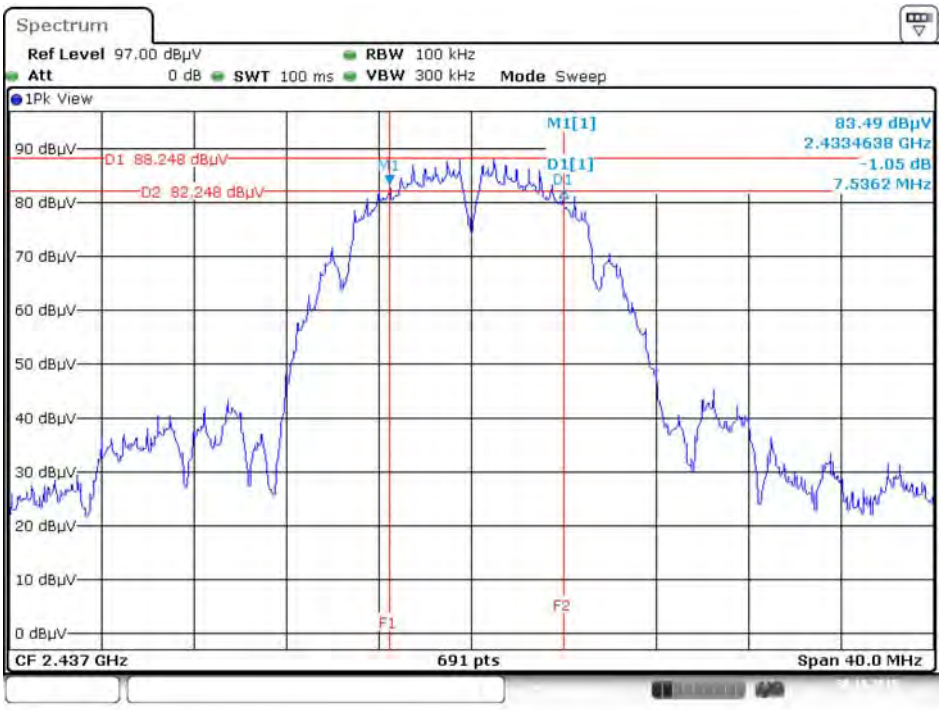
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2



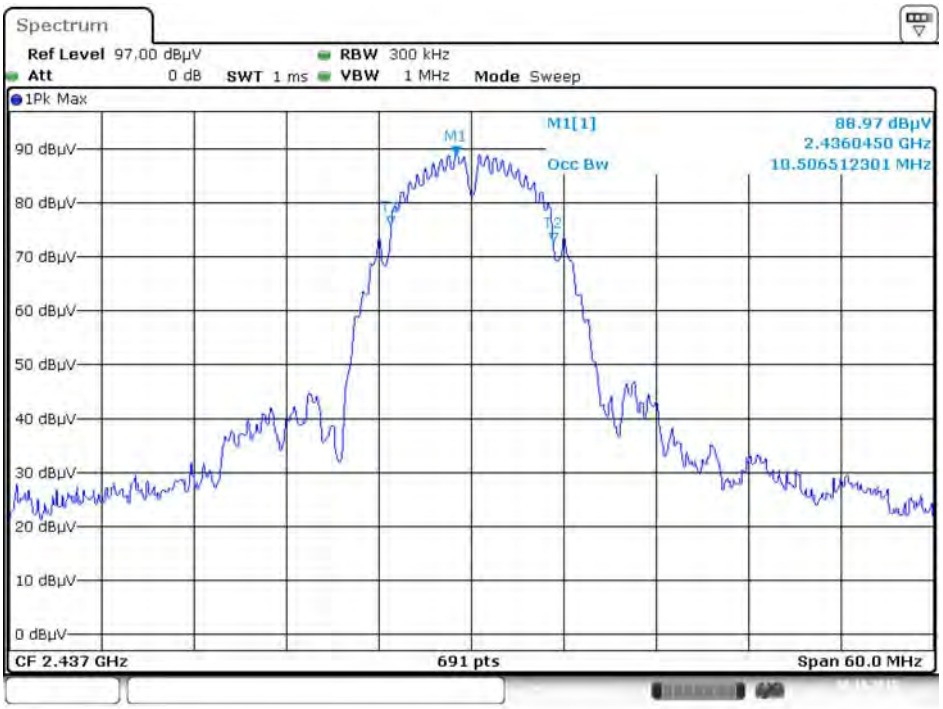
Date: 30.OCT.2015 16:22:38

Mode 5 (Set 8 Patch antenna / 3.53dBi / 3TX)

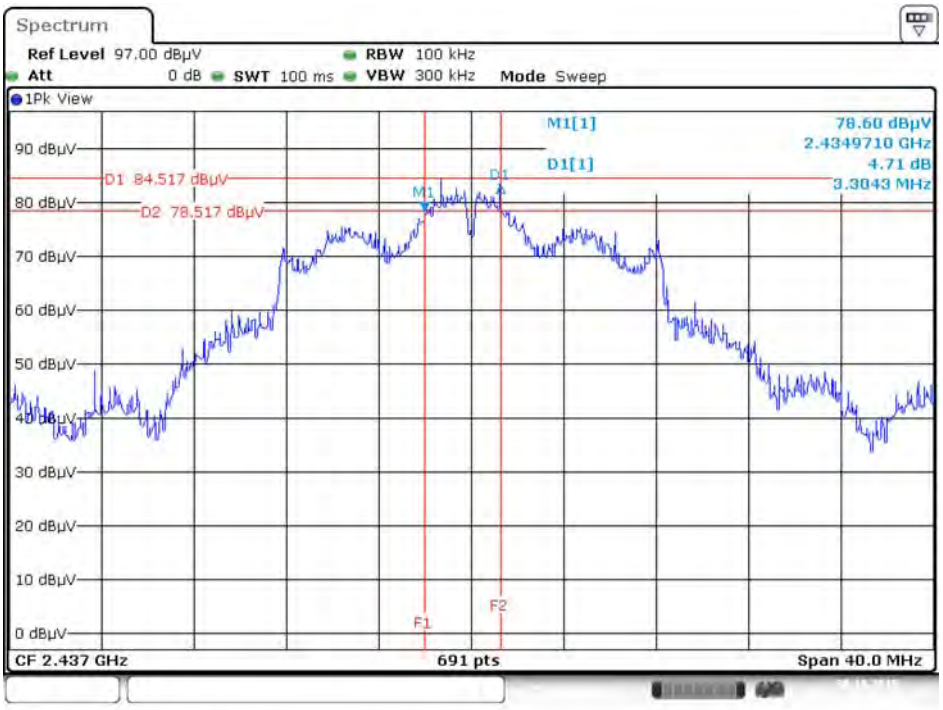
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



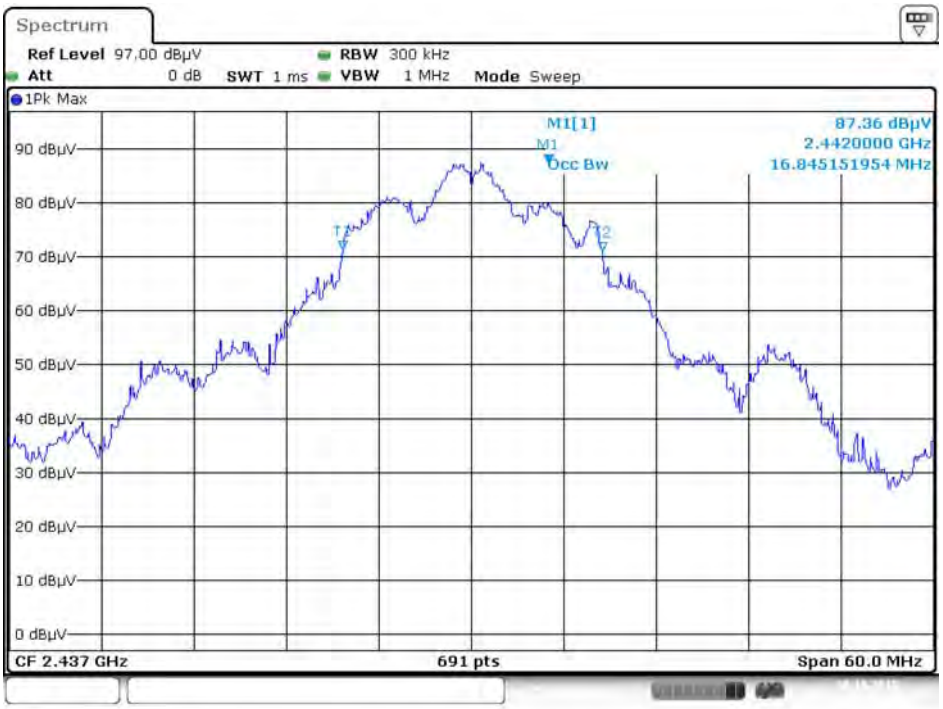
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



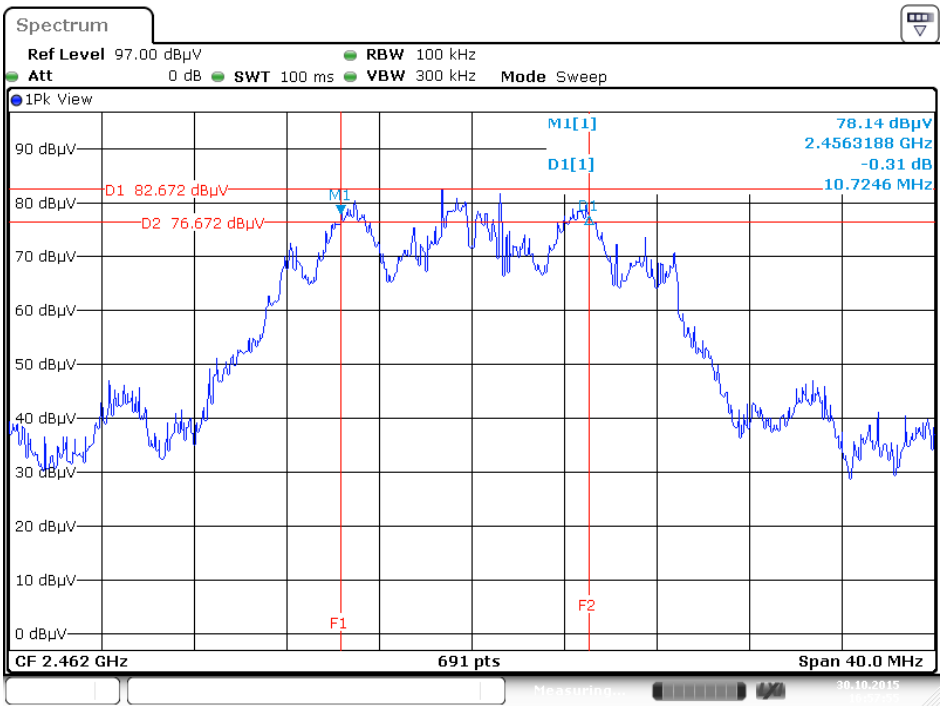
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3



99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3

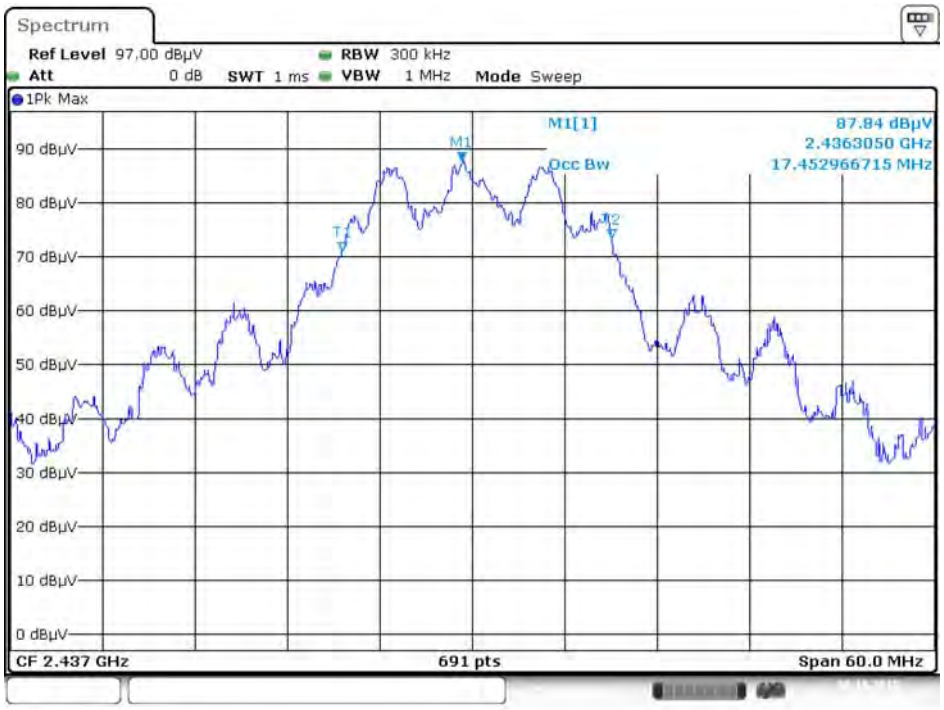


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1 + Chain 2 + Chain 3



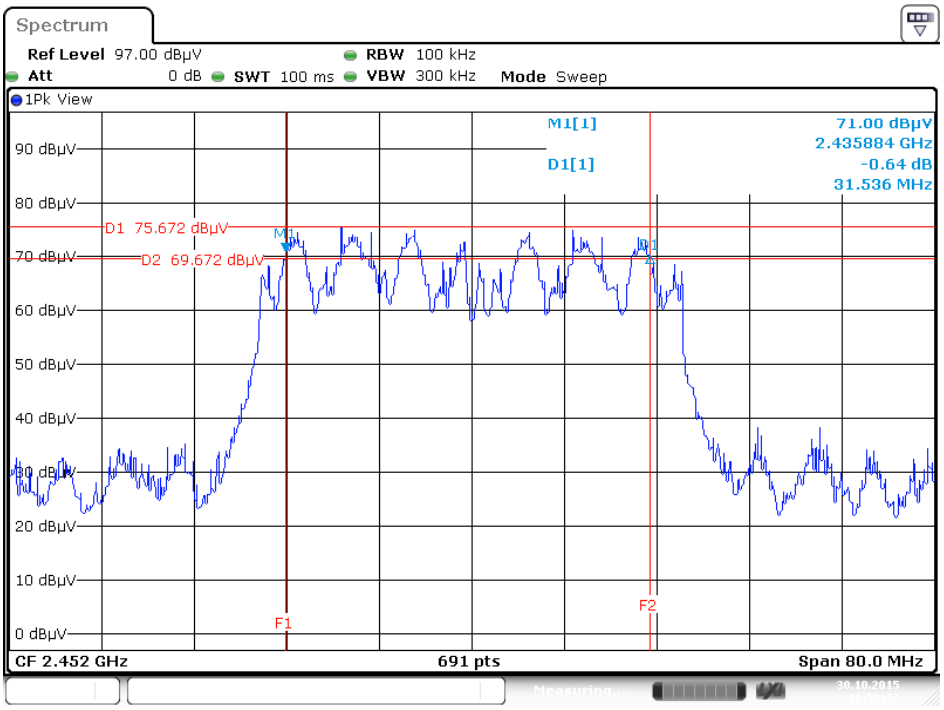
Date: 30.OCT.2015 16:57:55

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3



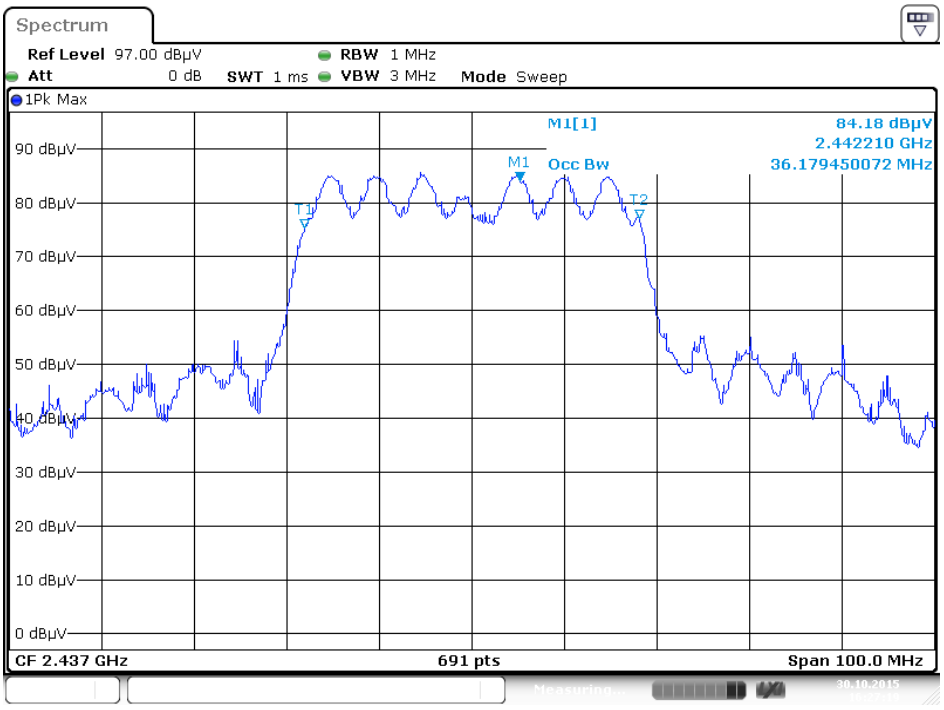
Date: 30.OCT.2015 01:16:20

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3



Date: 30.OCT.2015 16:50:37

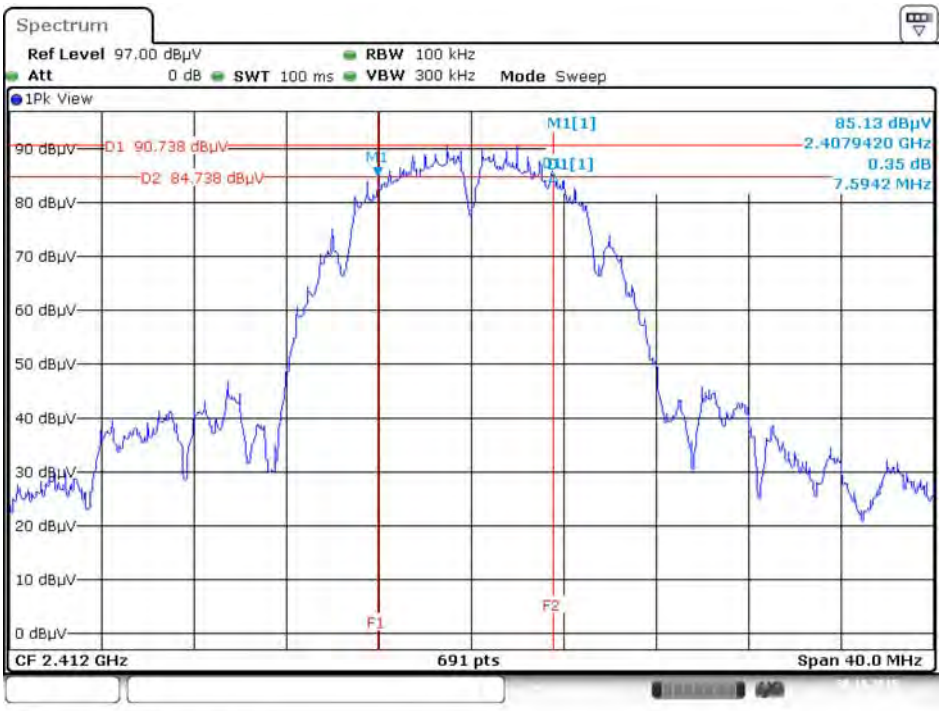
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2 + Chain 3



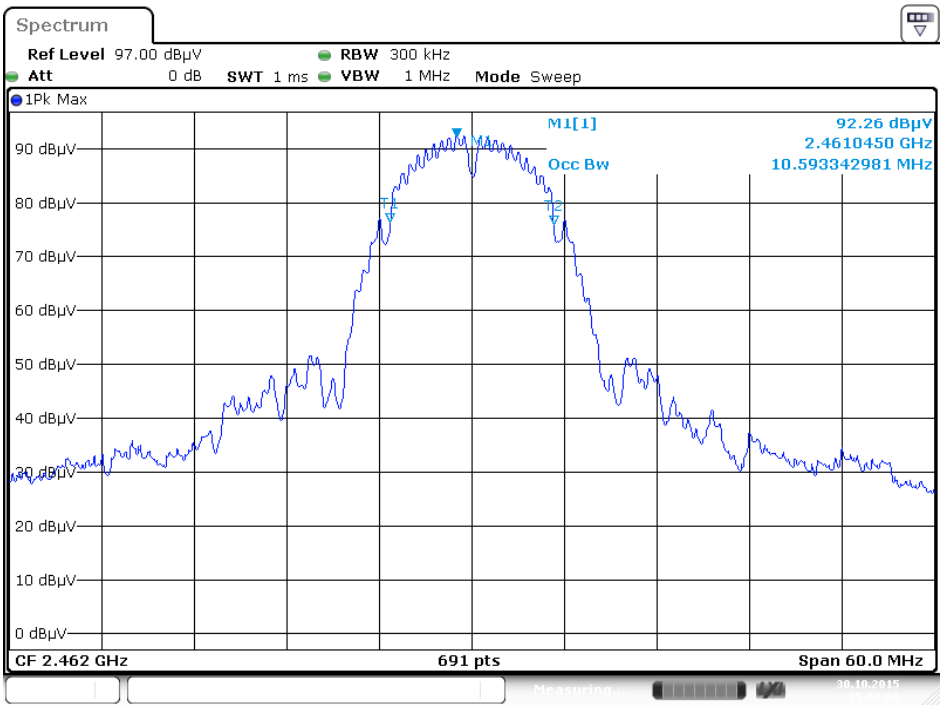
Date: 30.OCT.2015 16:27:18

Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)

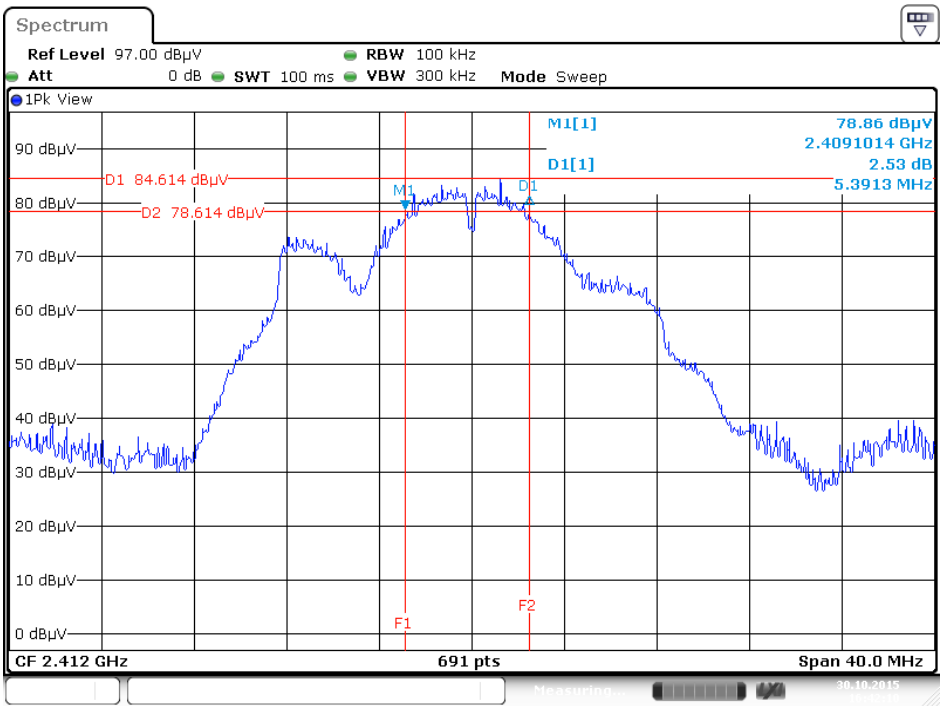
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



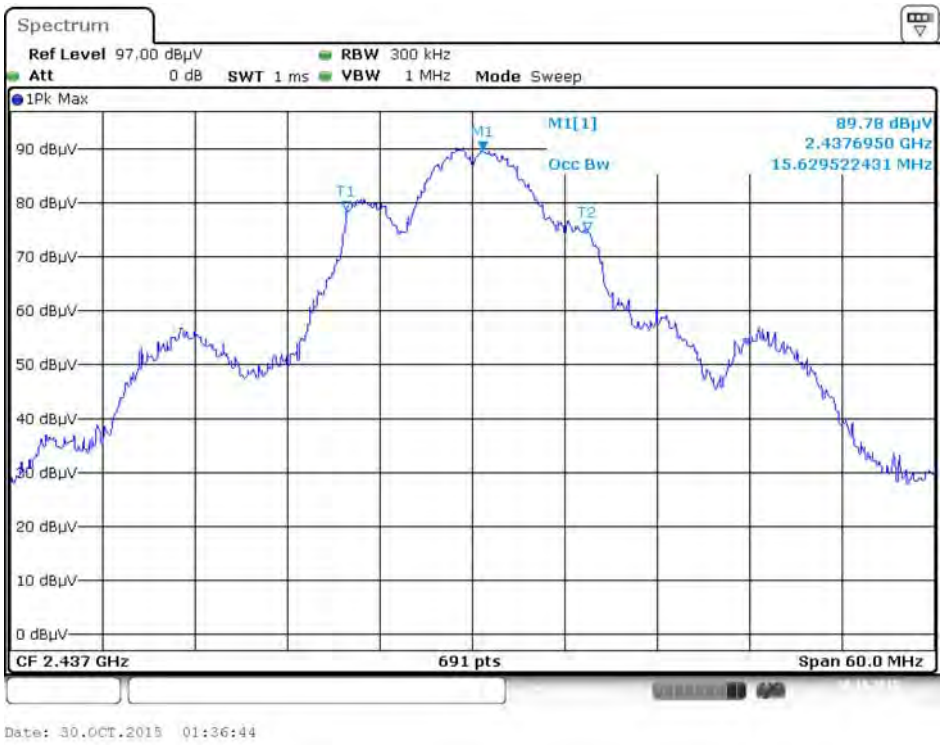
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



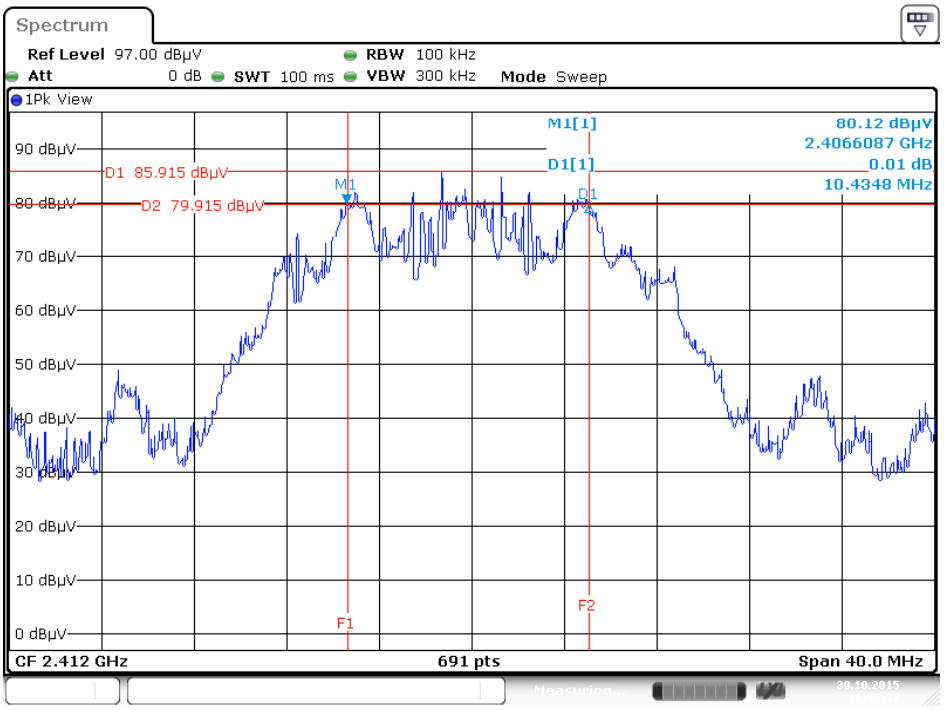
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4

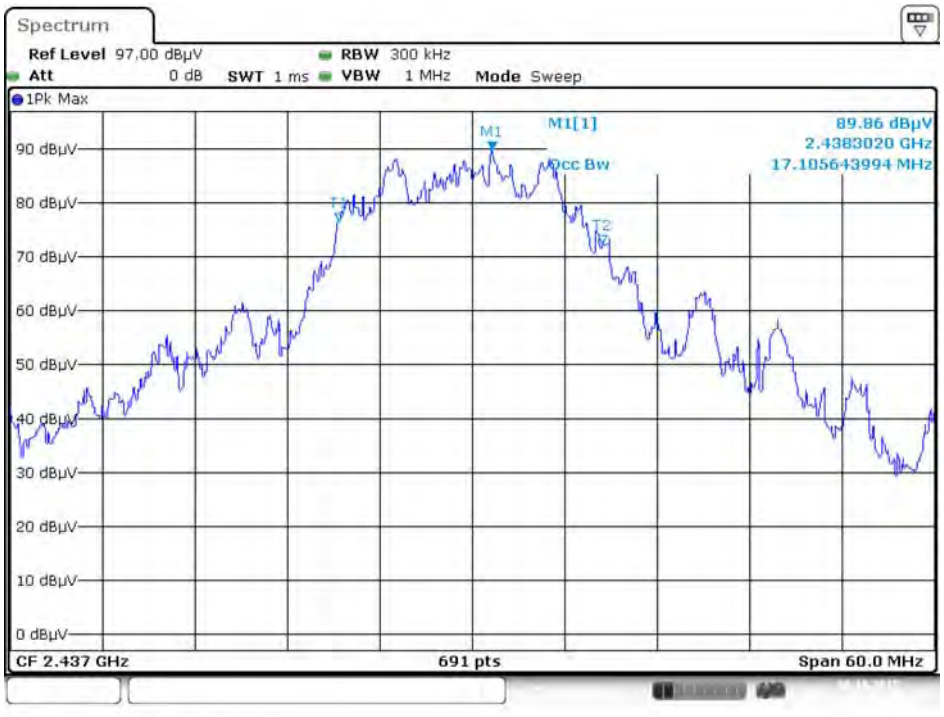


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



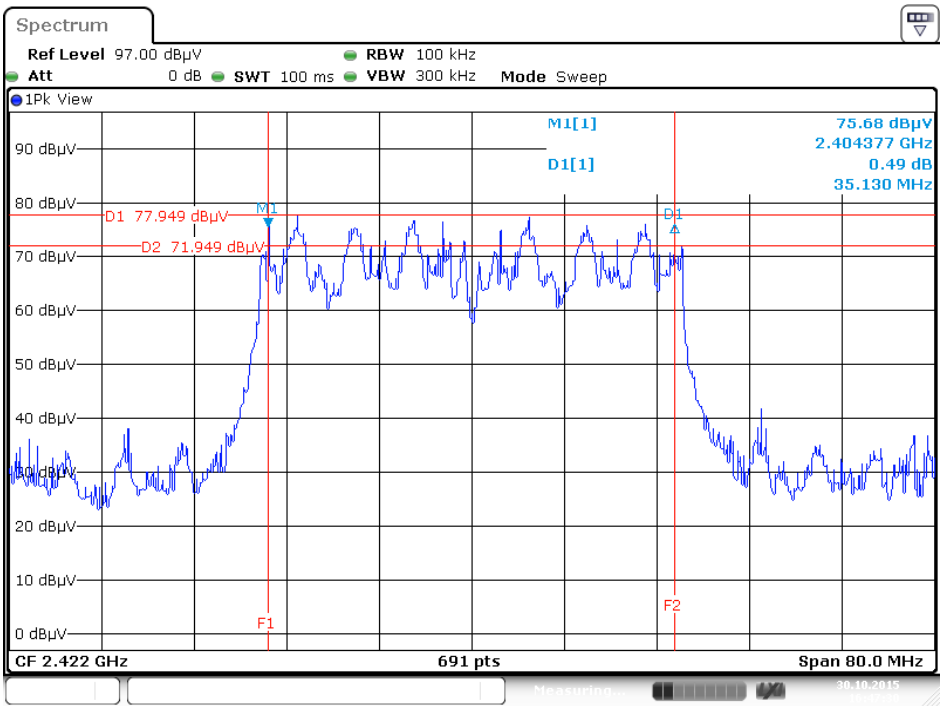
Date: 30.OCT.2015 16:46:57

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



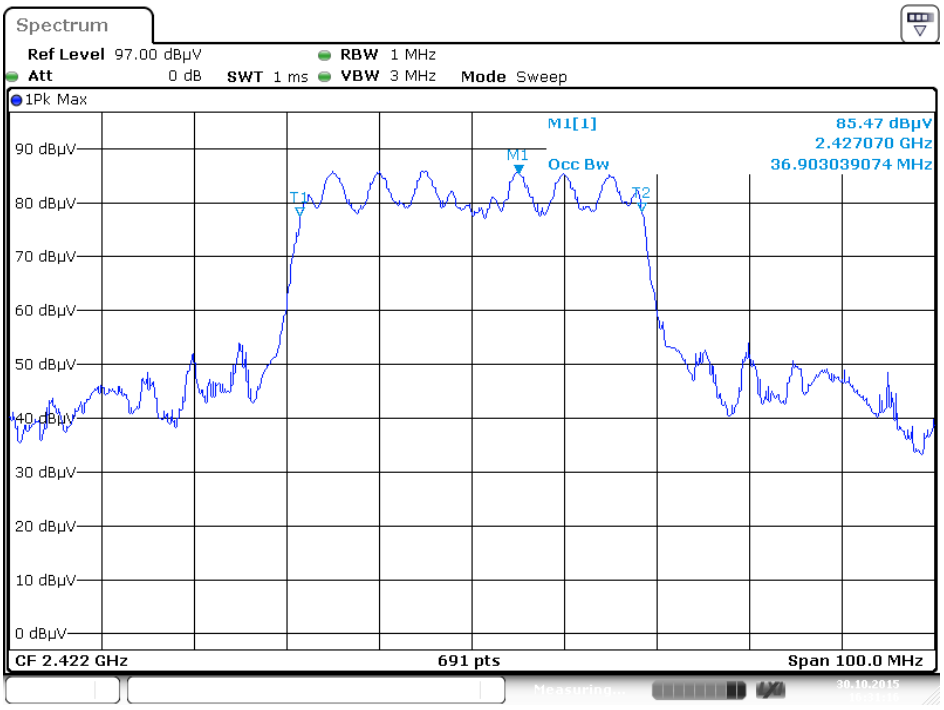
Date: 30.OCT.2015 01:37:55

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



Date: 30.OCT.2015 16:47:30

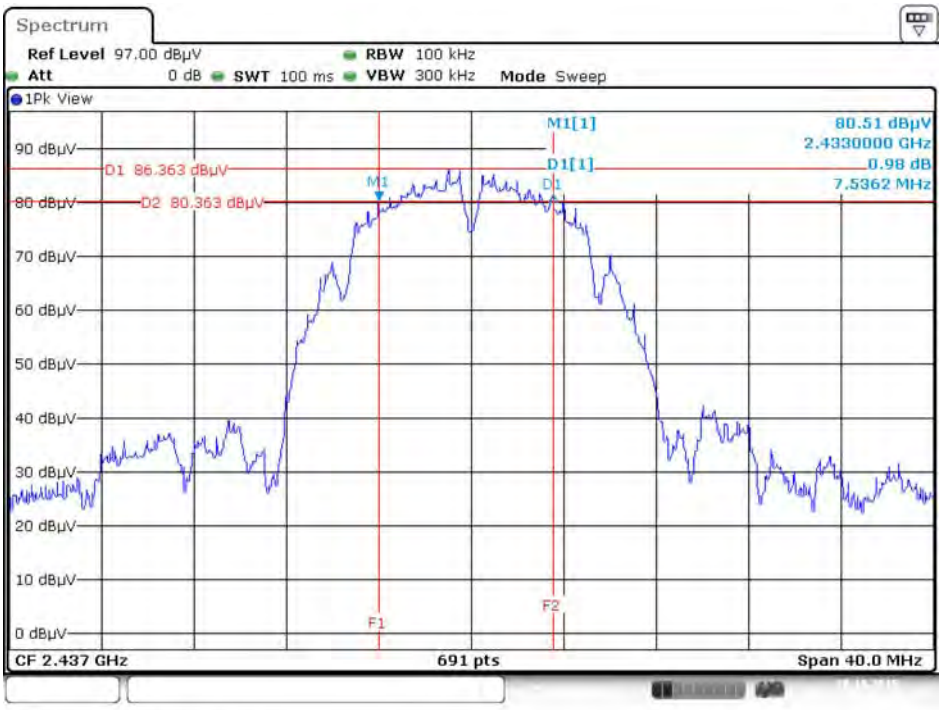
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



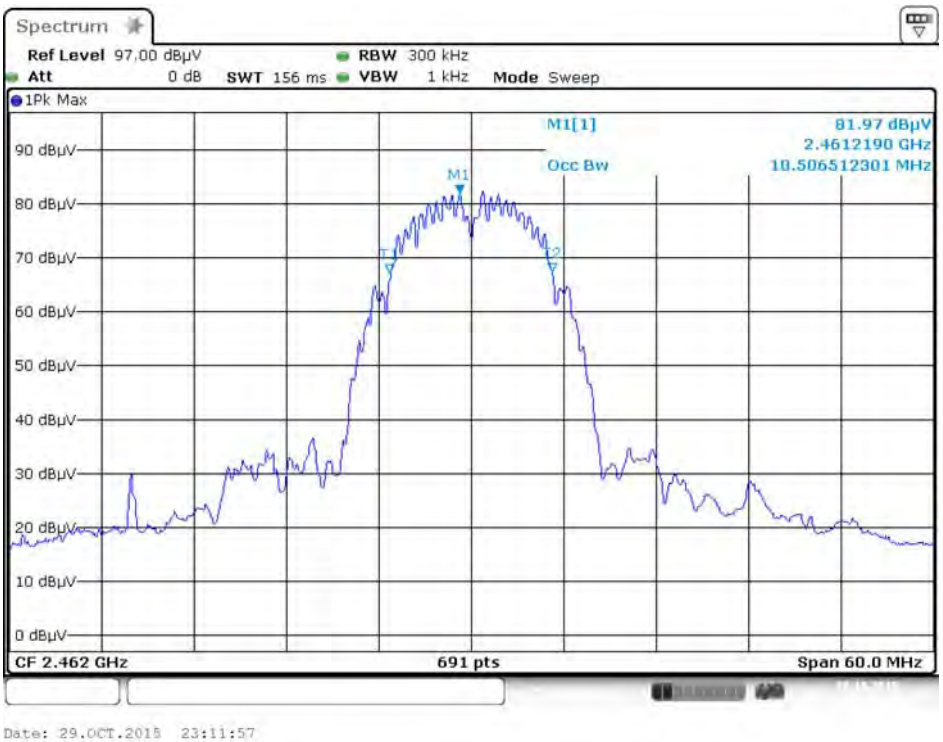
Date: 30.OCT.2015 16:31:16

Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi / 1TX)

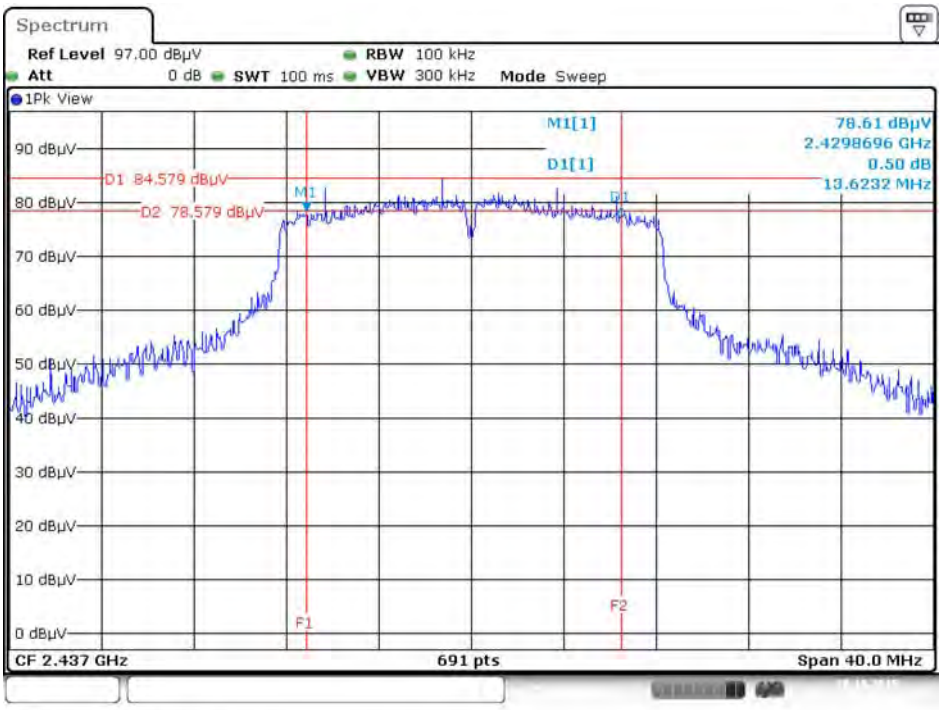
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1



99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1

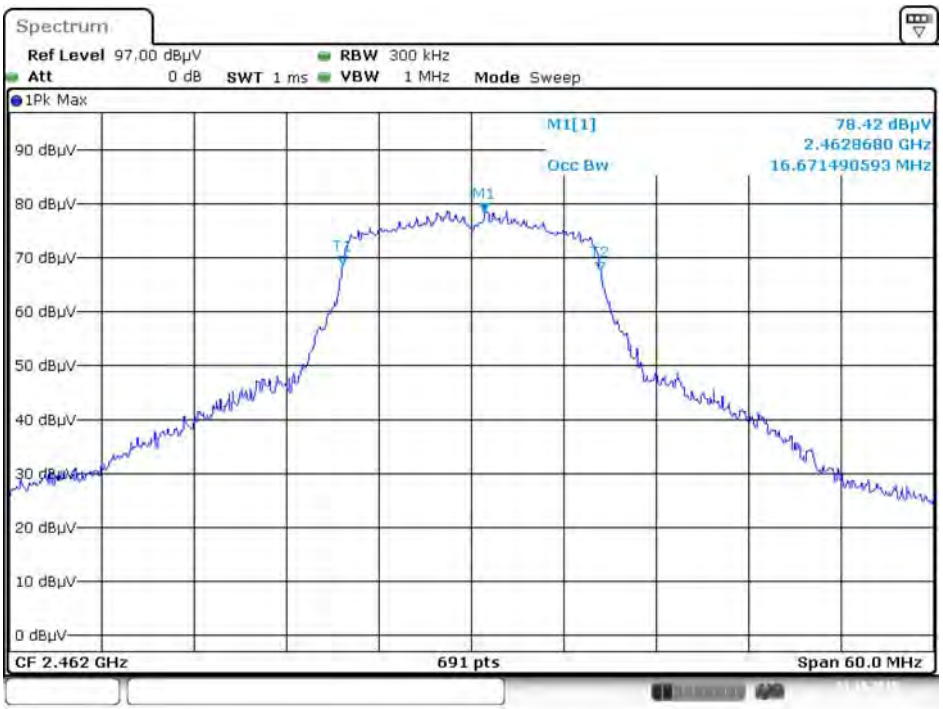


6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1



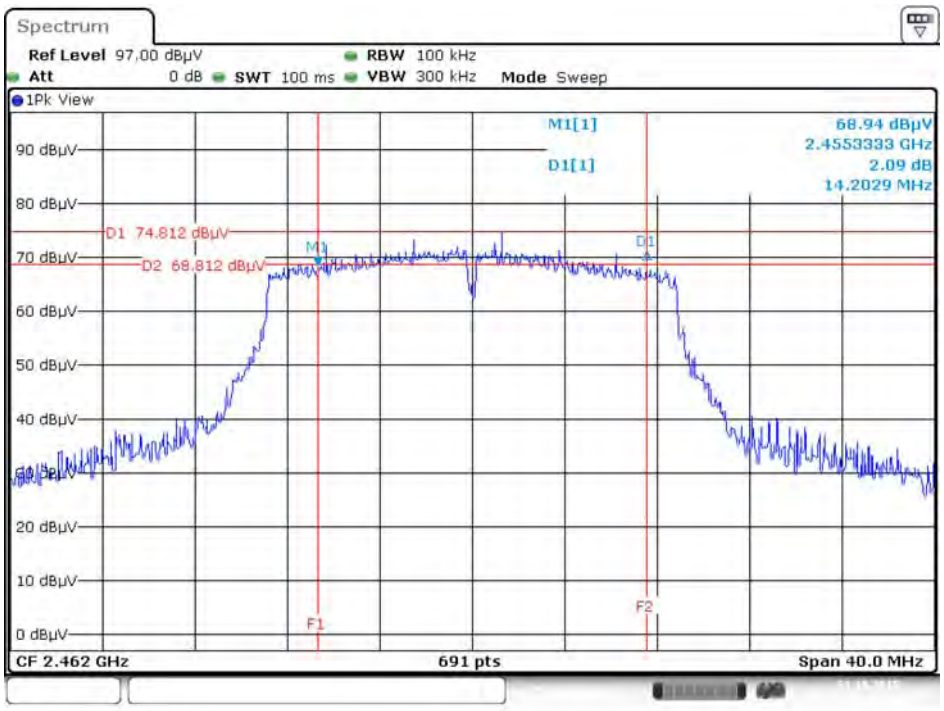
Date: 29.OCT.2015 23:27:22

99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1



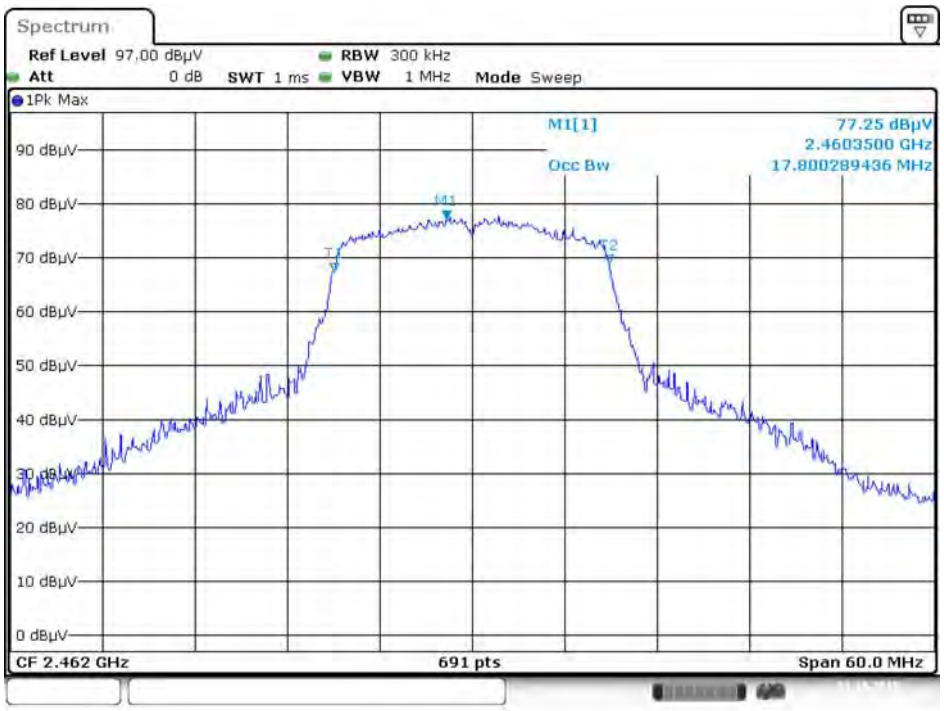
Date: 31.OCT.2015 17:41:54

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1



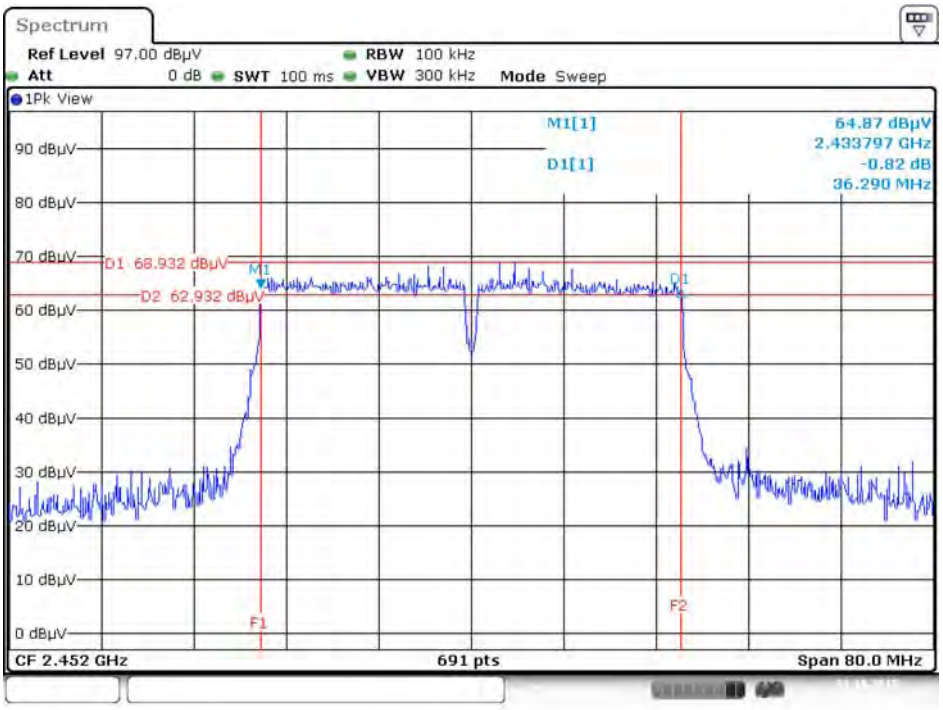
Date: 31.OCT.2015 18:36:01

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1



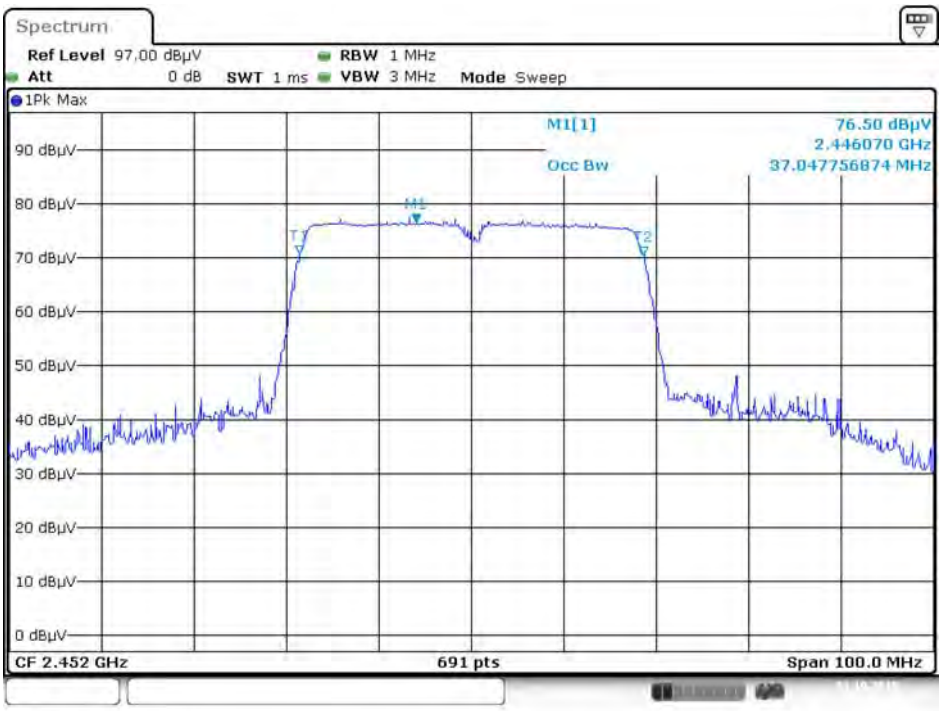
Date: 31.OCT.2015 17:42:55

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



Date: 31.OCT.2015 18:37:03

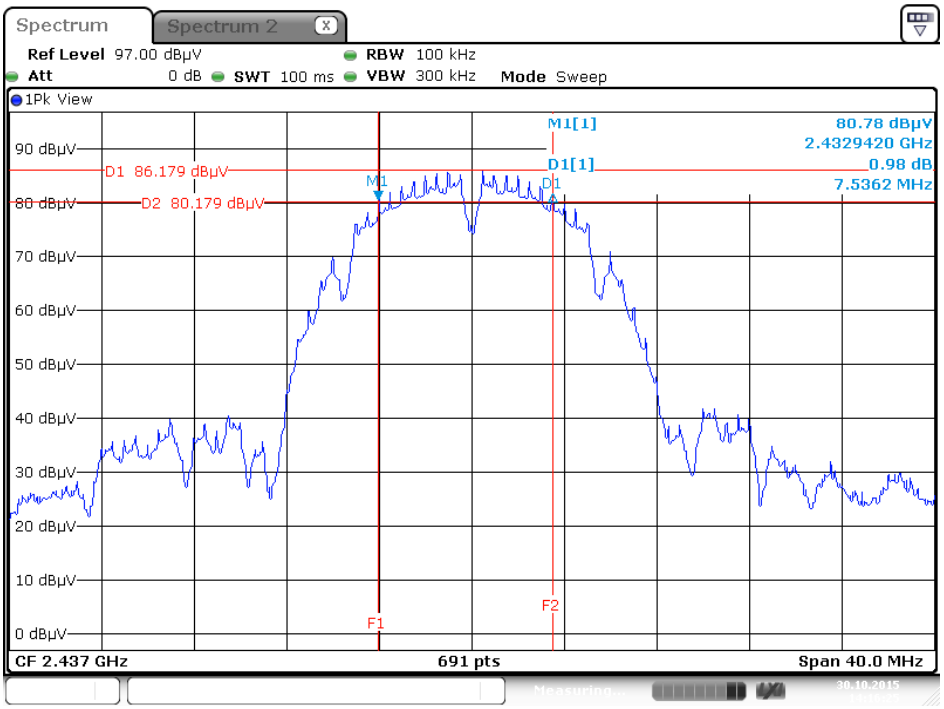
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1



Date: 31.OCT.2015 17:44:09

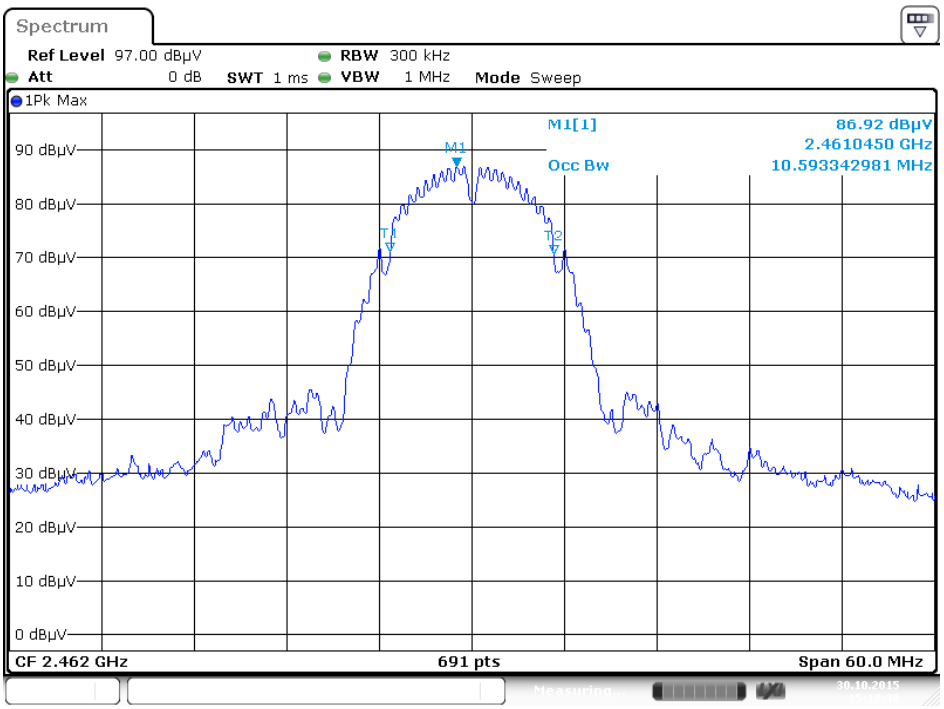
Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 3: 3.2dBi / 2TX)

6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 3



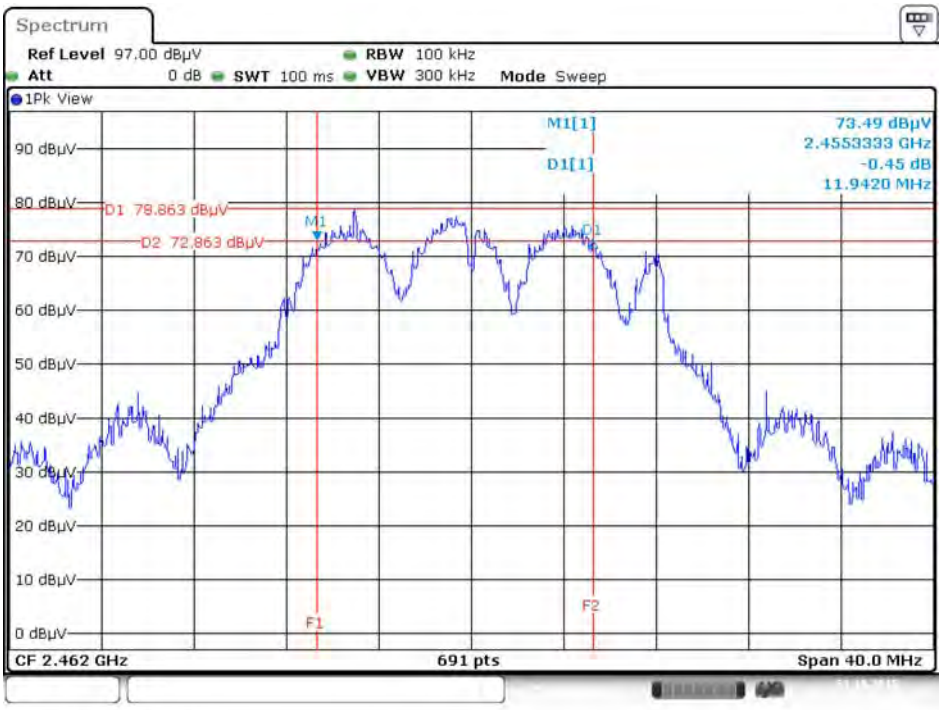
Date: 30.OCT.2015 14:16:25

99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 3



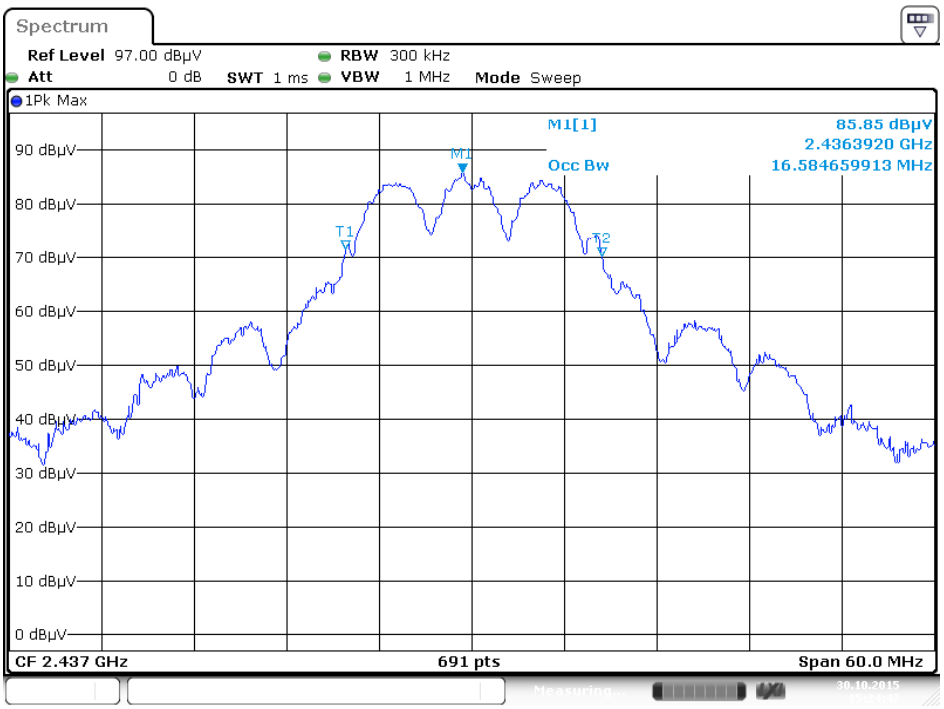
Date: 30.OCT.2015 15:18:30

6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1 + Chain 3



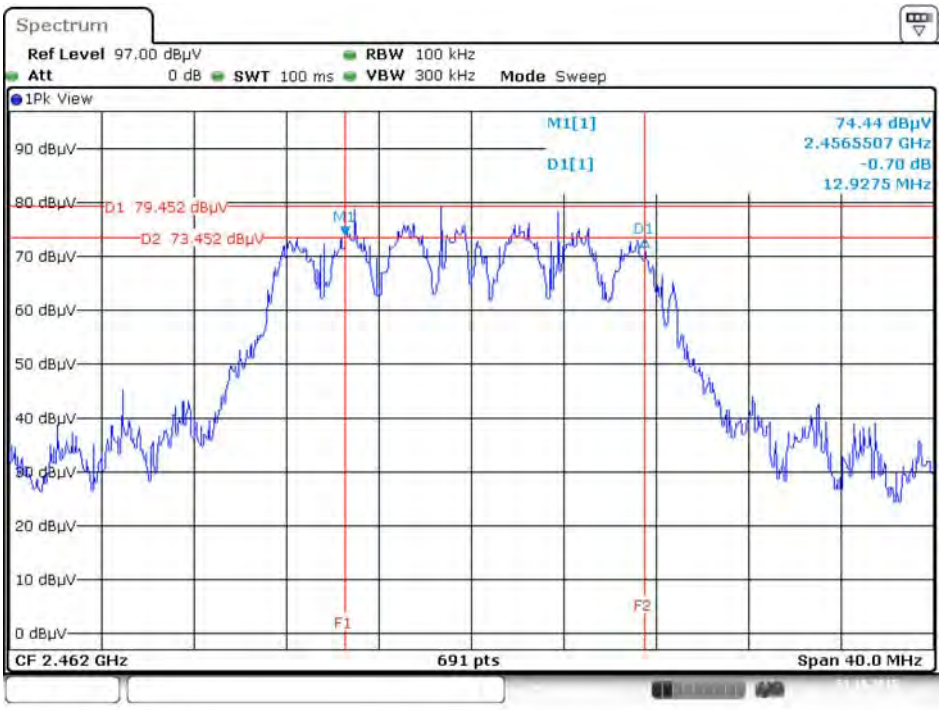
Date: 31.OCT.2015 18:38:34

99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 3



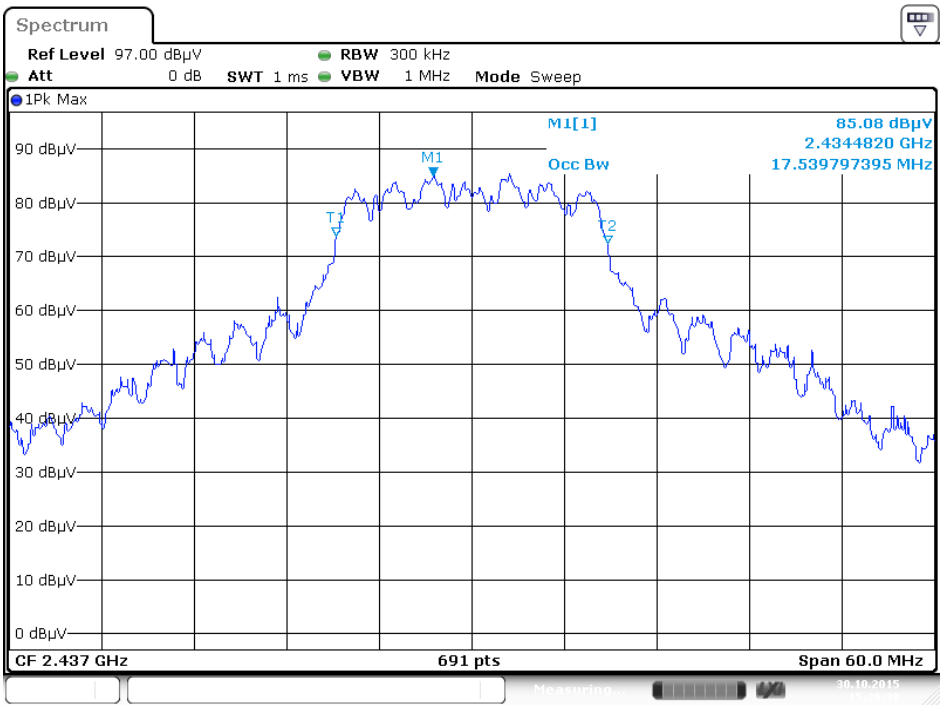
Date: 30.OCT.2015 15:24:41

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1 + Chain 3



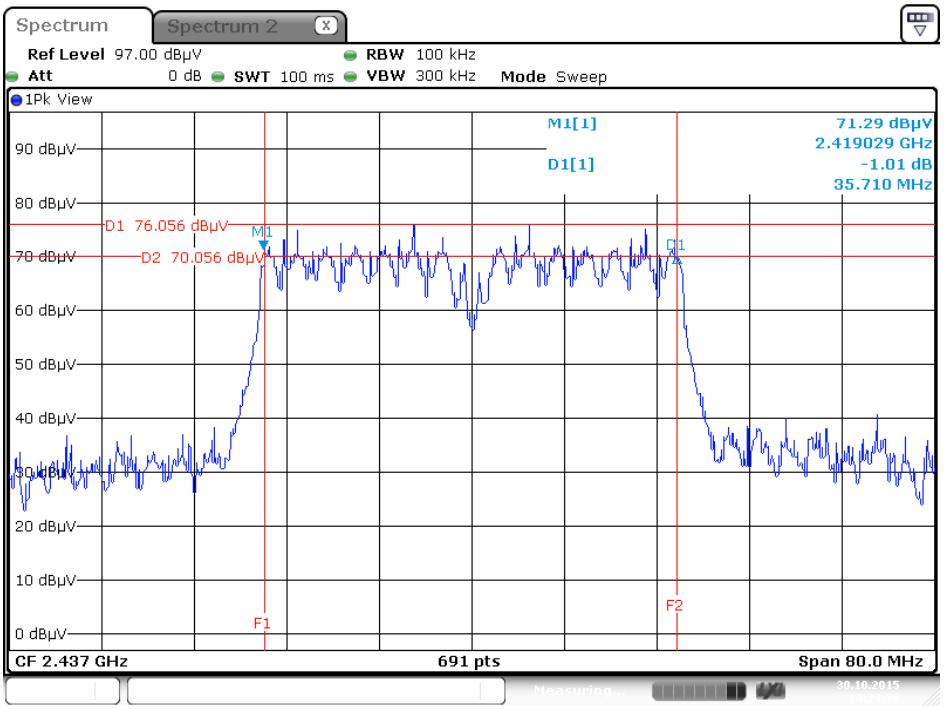
Date: 31.OCT.2015 18:39:51

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 3



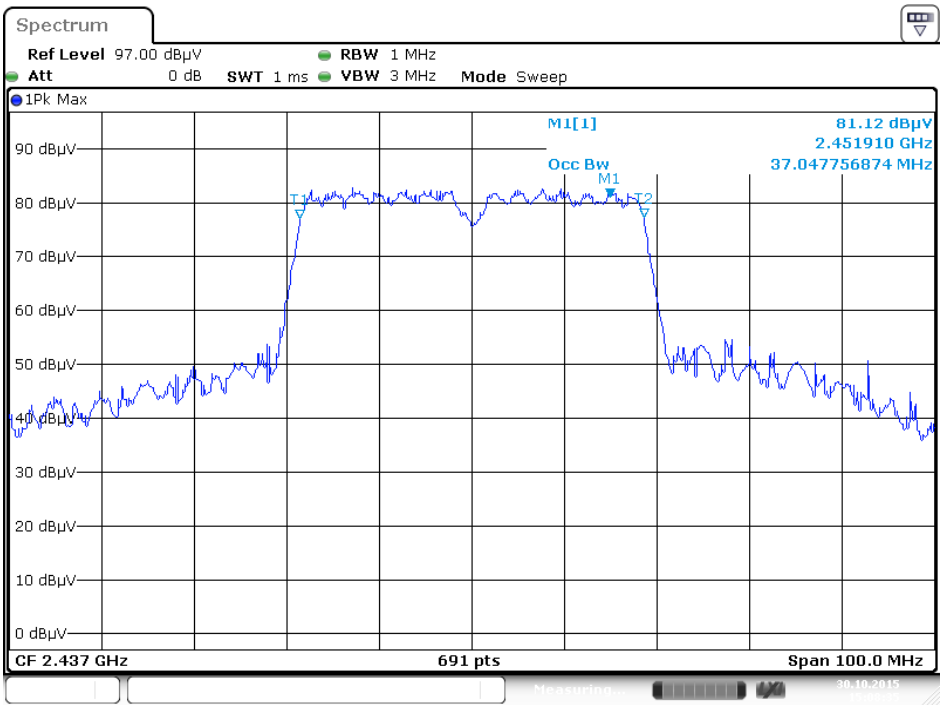
Date: 30.OCT.2015 15:26:38

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 3



Date: 30.OCT.2015 14:24:50

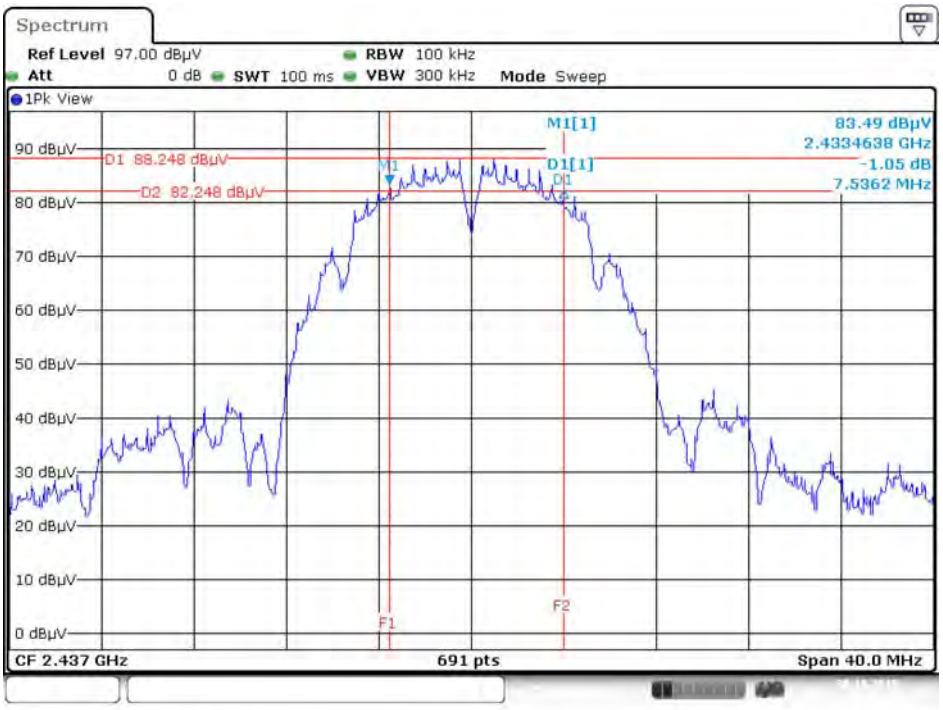
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 3



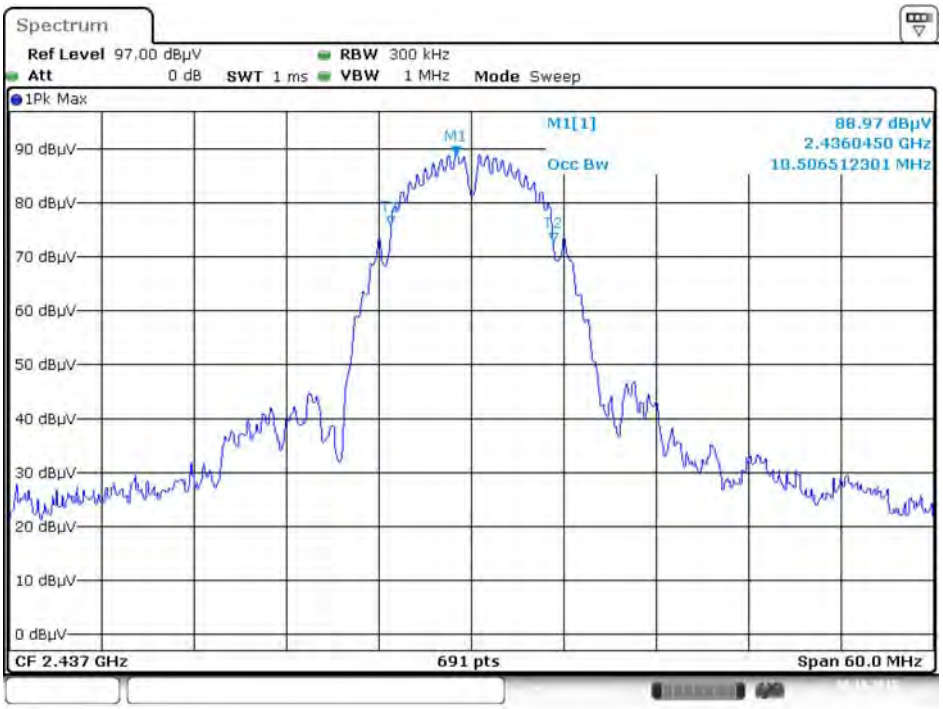
Date: 30.OCT.2015 15:08:35

Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi / 3TX)

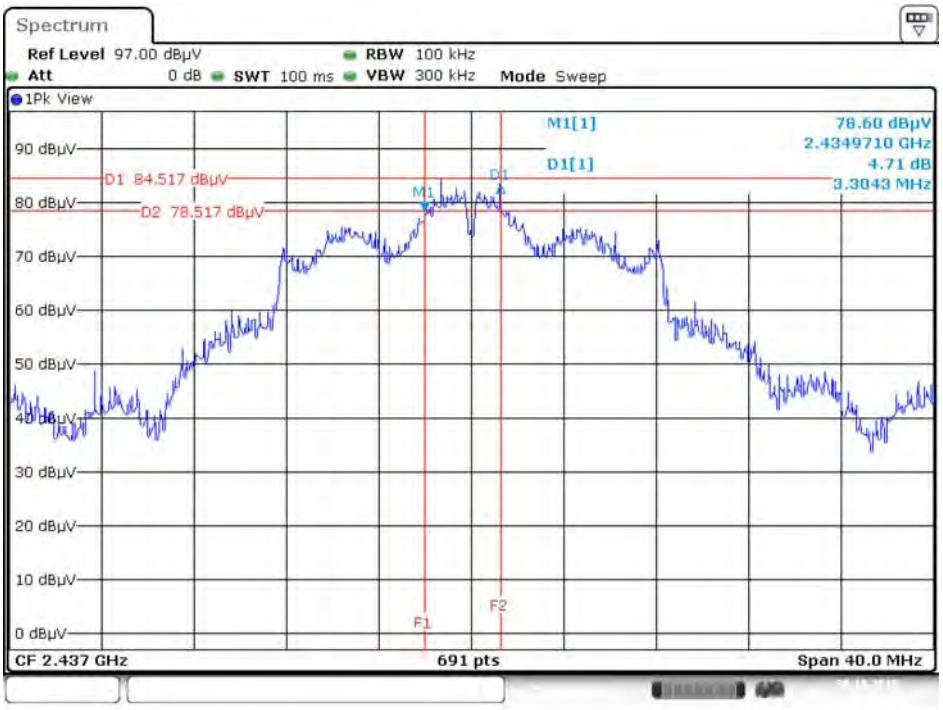
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



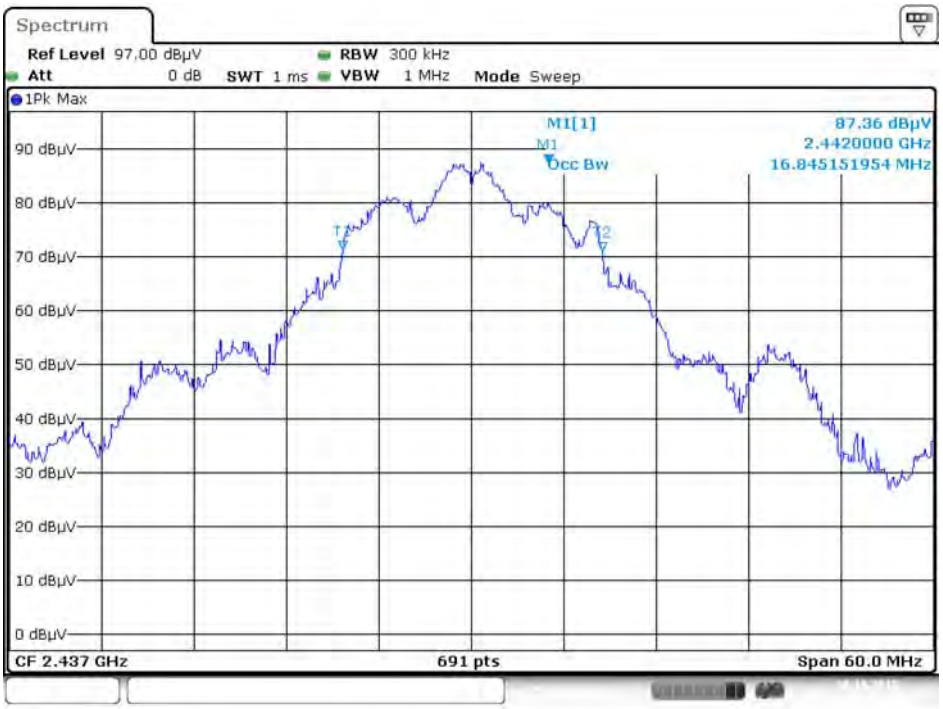
99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 1 + Chain 2 + Chain 3



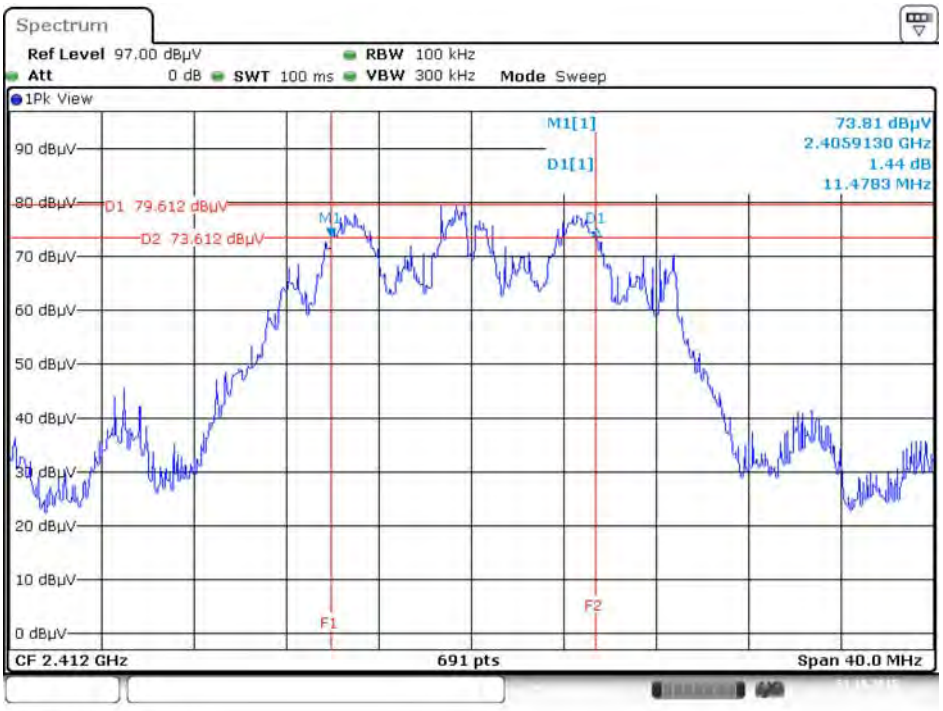
6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3



99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3

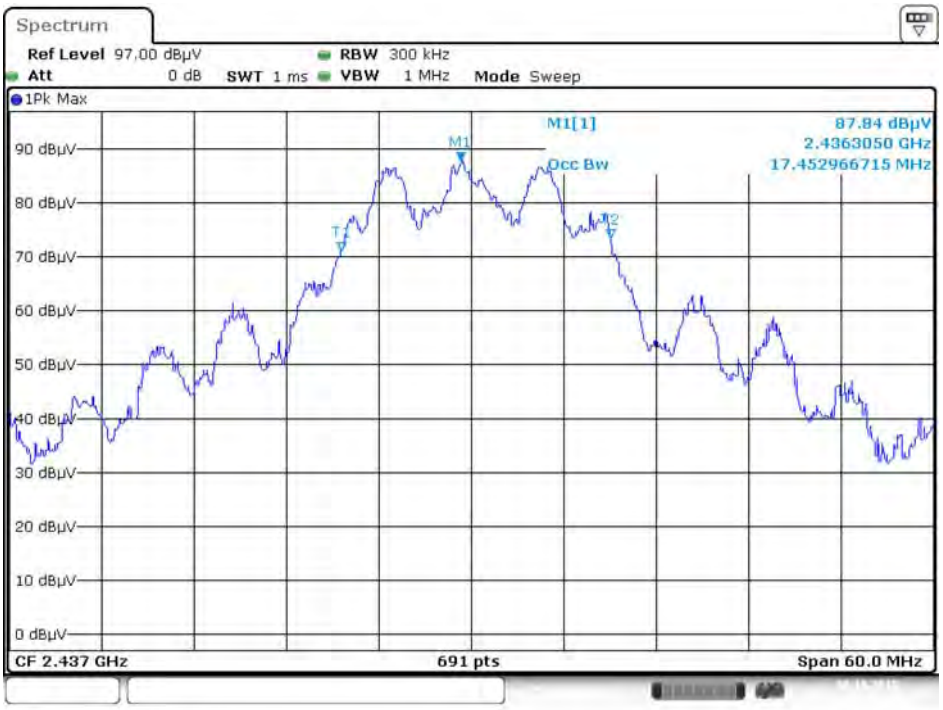


6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2412 MHz / Chain 1 + Chain 2 + Chain 3



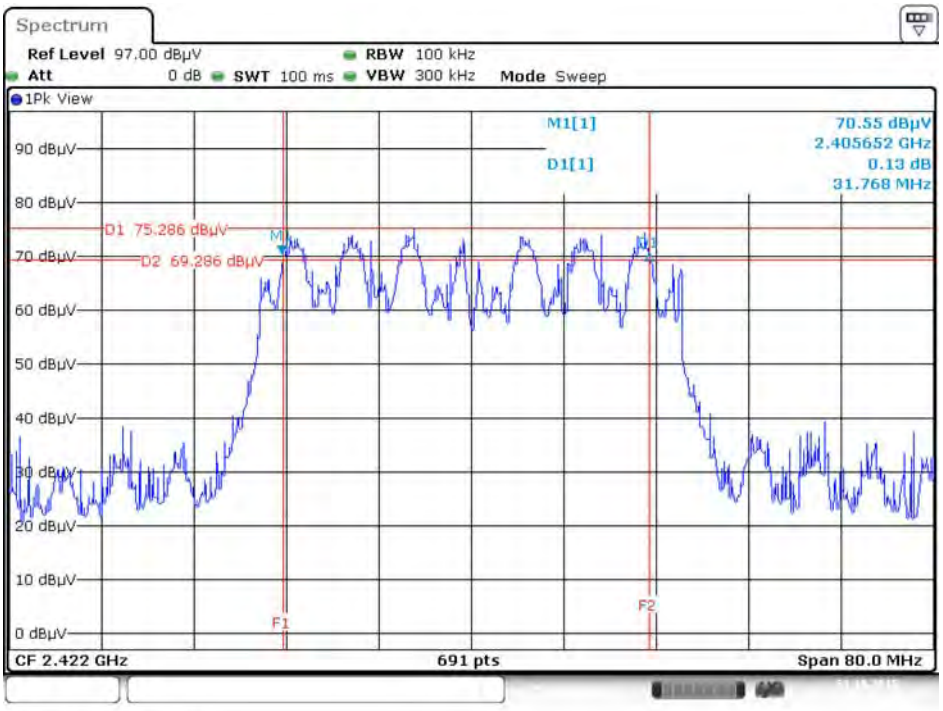
Date: 31.OCT.2015 18:45:36

99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3



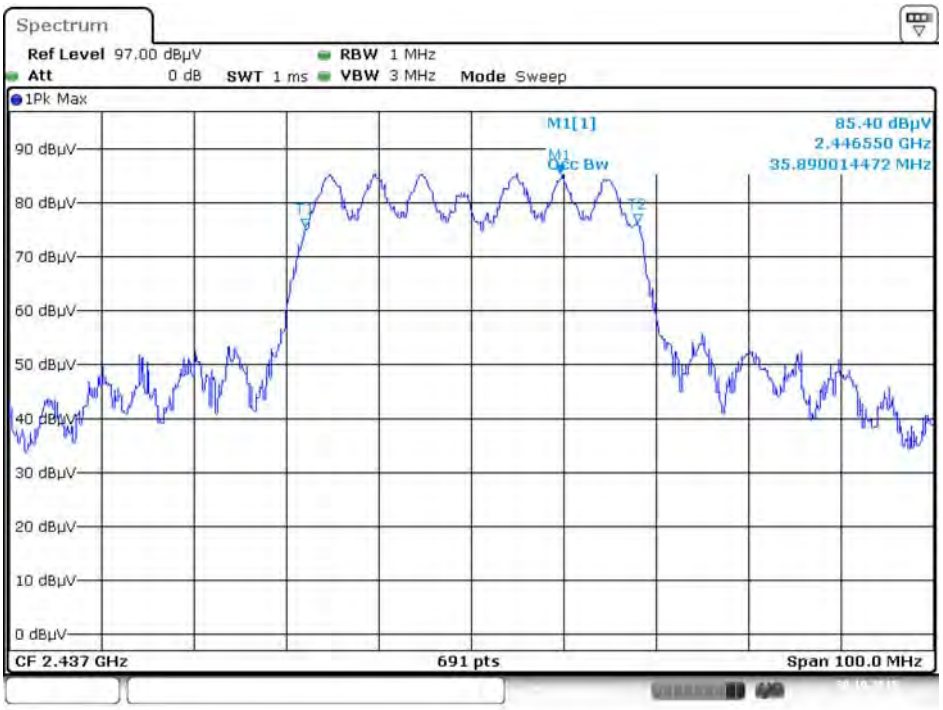
Date: 30.OCT.2015 01:16:20

6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2422 MHz / Chain 1 + Chain 2 + Chain 3



Date: 31.OCT.2015 18:59:37

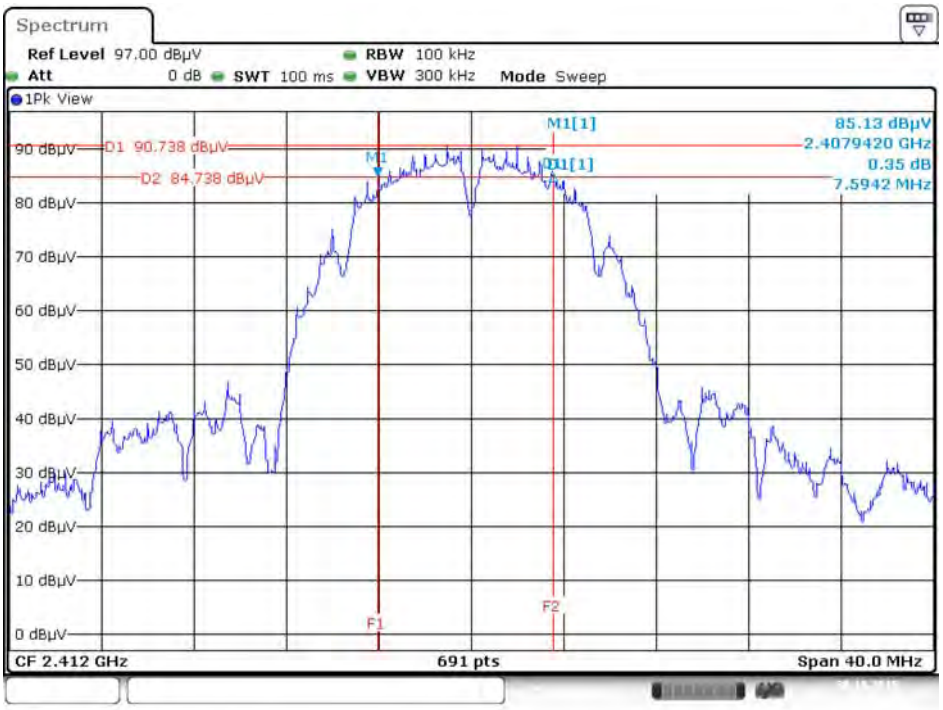
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2437 MHz / Chain 1 + Chain 2 + Chain 3



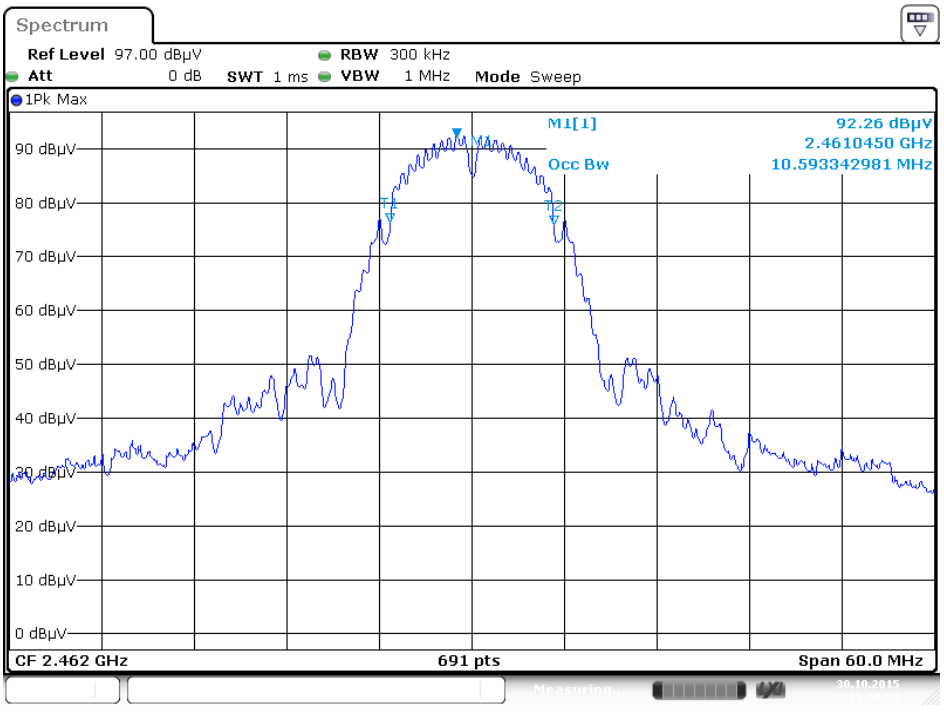
Date: 30.OCT.2015 01:17:54

Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)

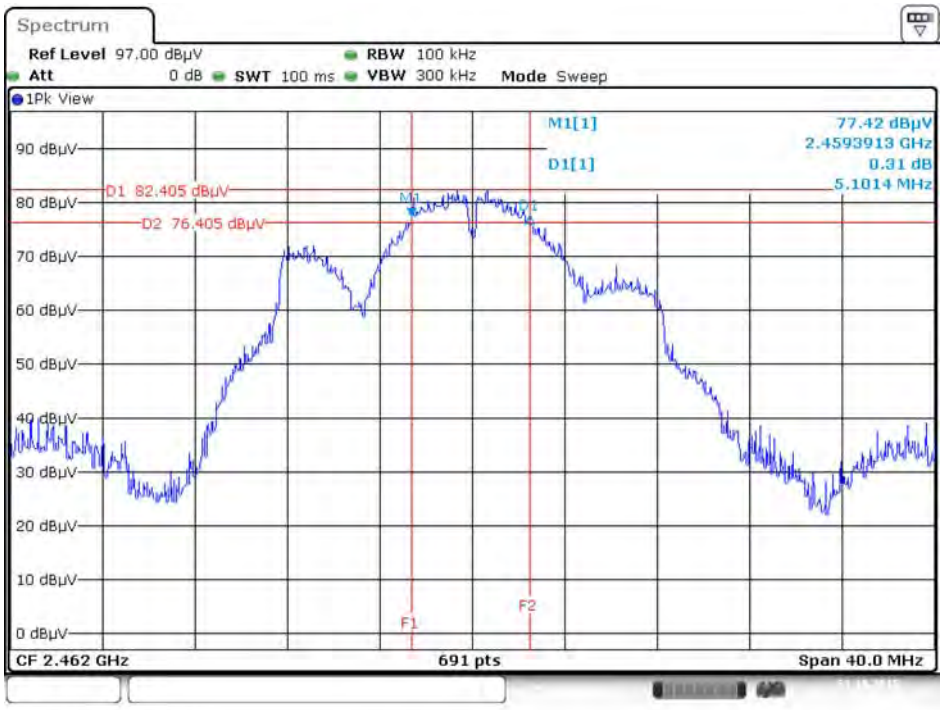
6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4

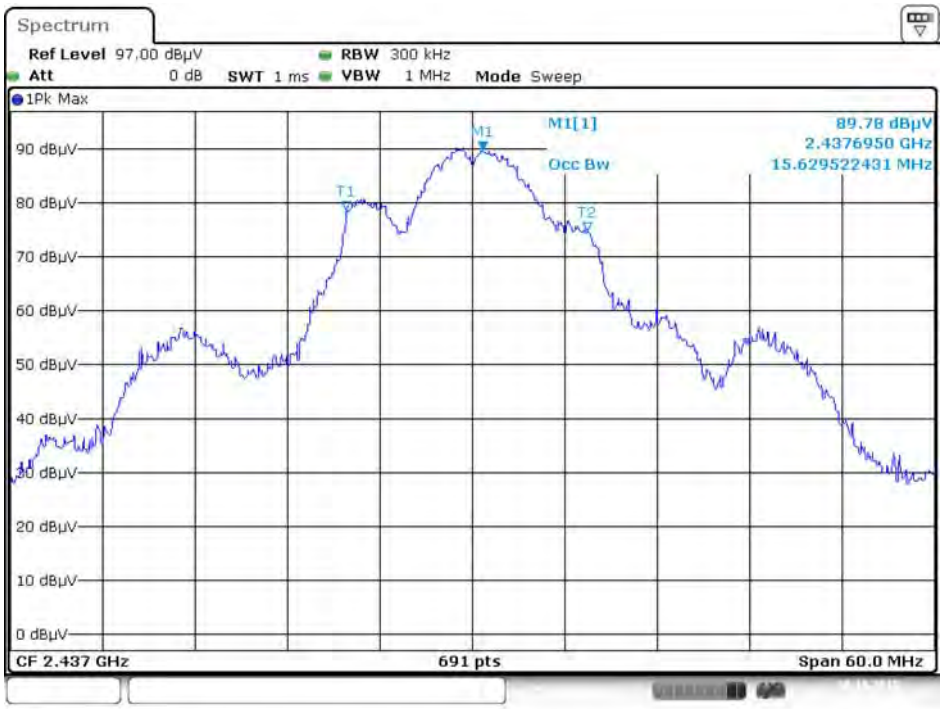


6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



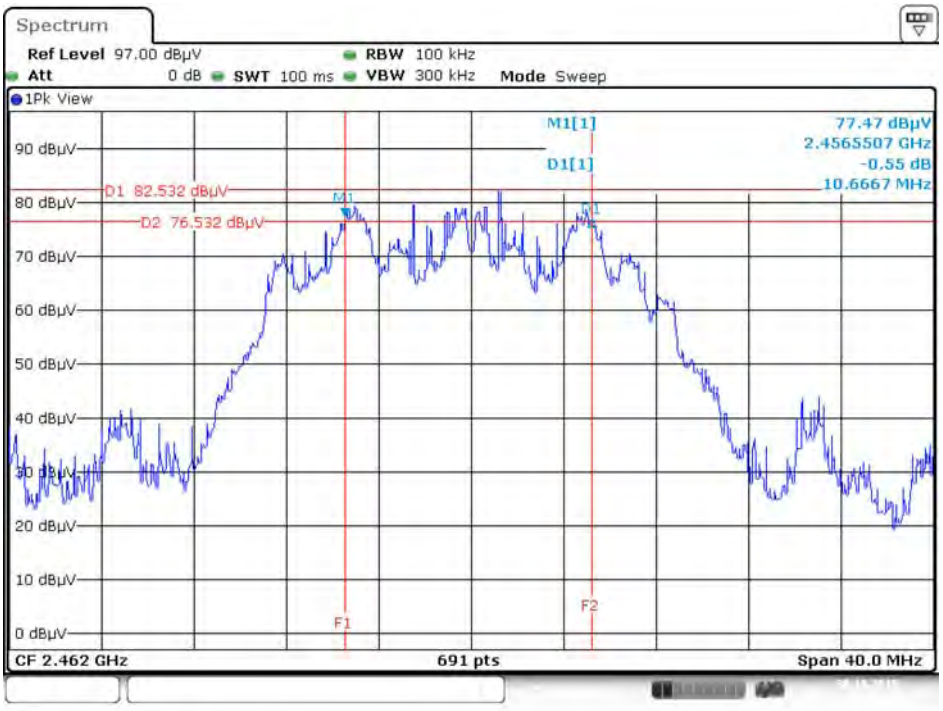
Date: 31.OCT.2015 19:02:06

99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4

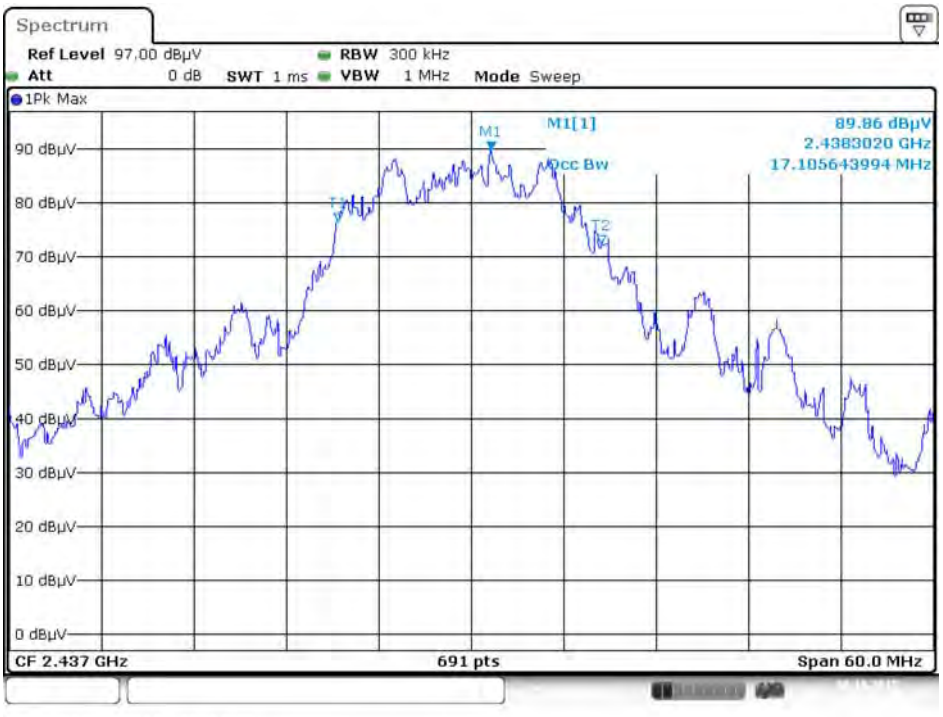


Date: 30.OCT.2015 01:36:44

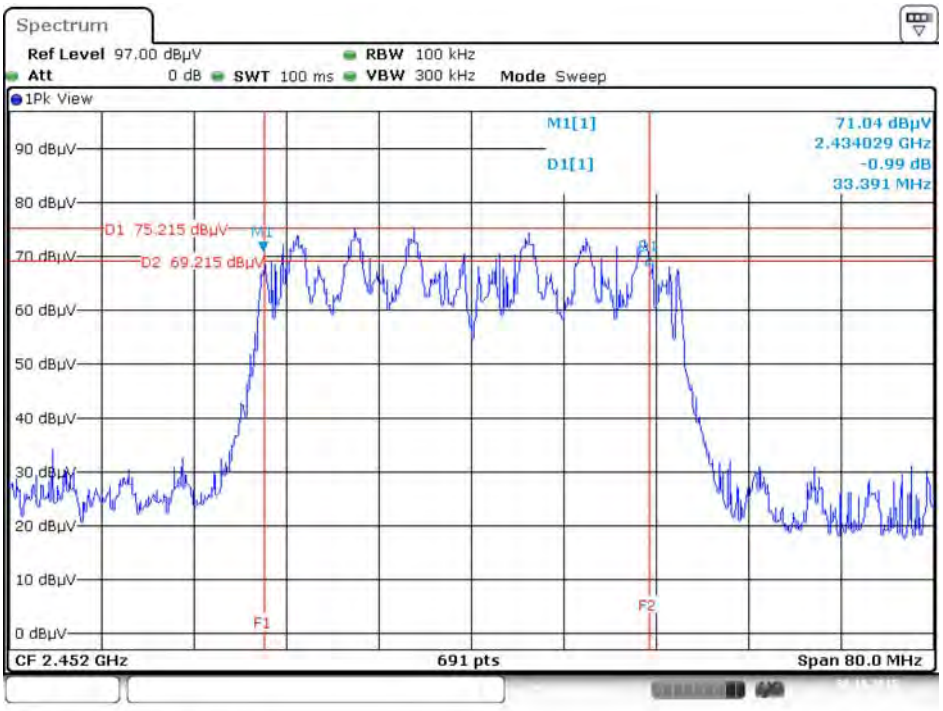
6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2462 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



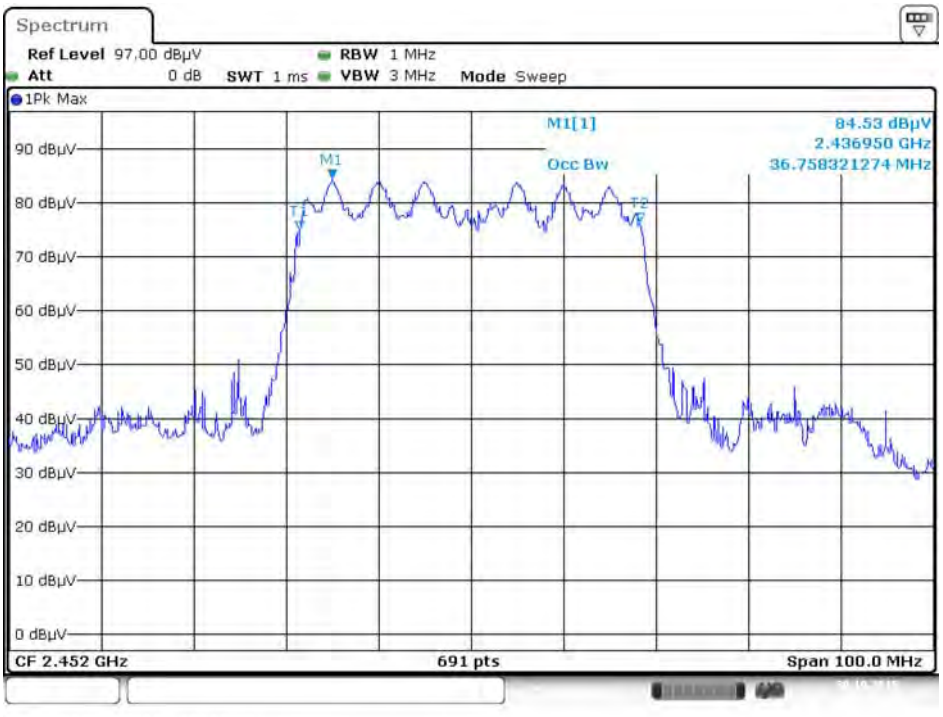
99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT20 / 2437 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



6 dB Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



99% Occupied Bandwidth Plot on Configuration IEEE 802.11n MCS0 HT40 / 2452 MHz / Chain 1 + Chain 2 + Chain 3 + Chain 4



4.5. Radiated Emissions Measurement

4.5.1. Limit

30dBc in any 100 kHz bandwidth outside the operating frequency band. 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

4.5.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	100kHz / 300kHz for peak

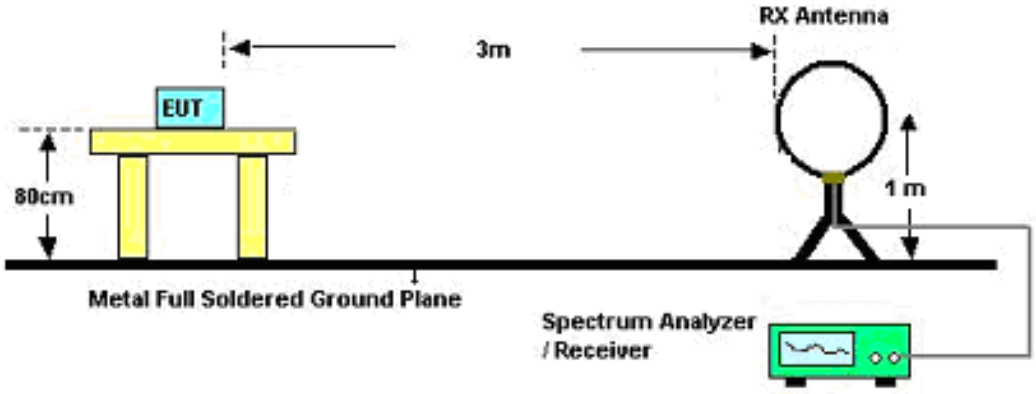
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.5.3. Test Procedures

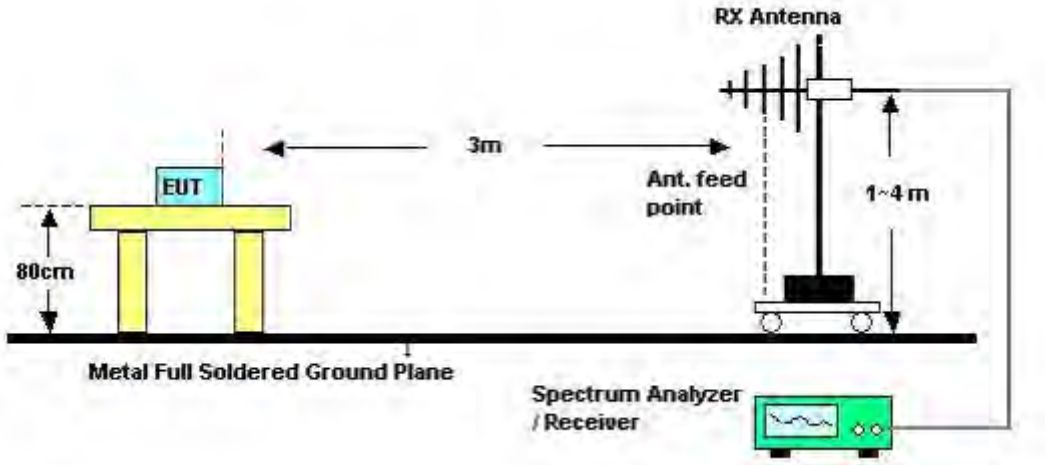
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
2. Power on the EUT and all the supporting 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 3MHz RBW for peak reading. Then 1MHz RBW and 1/T VBW for average reading in spectrum analyzer.
7. 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.
8. 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.
9. 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.

4.5.4. Test Setup Layout

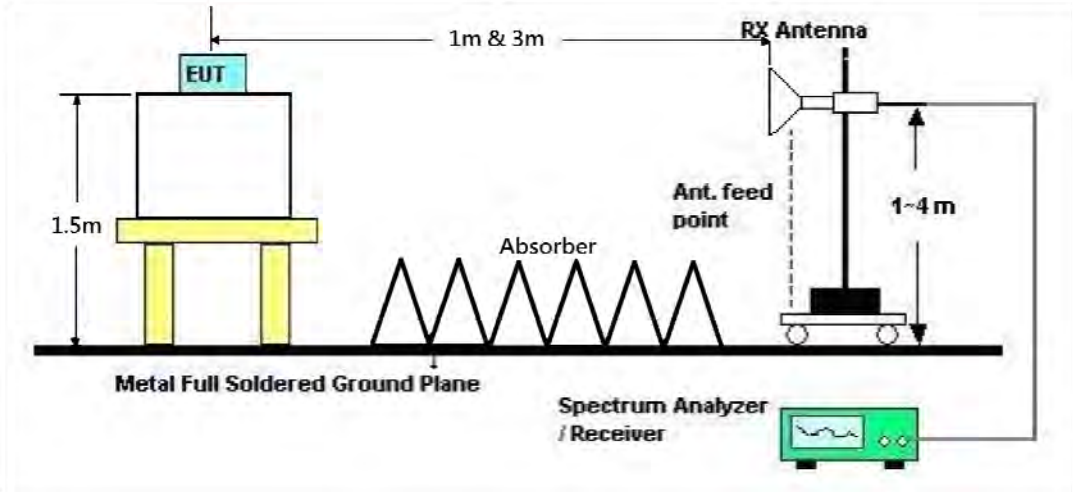
For Radiated Emissions: 9kHz ~30MHz



For Radiated Emissions: 30MHz~1GHz



For Radiated Emissions: Above 1GHz



4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. EUT Operation during Test

For non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun	Configurations	CTX
Test Date	Dec. 13, 2015		

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

Note:

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

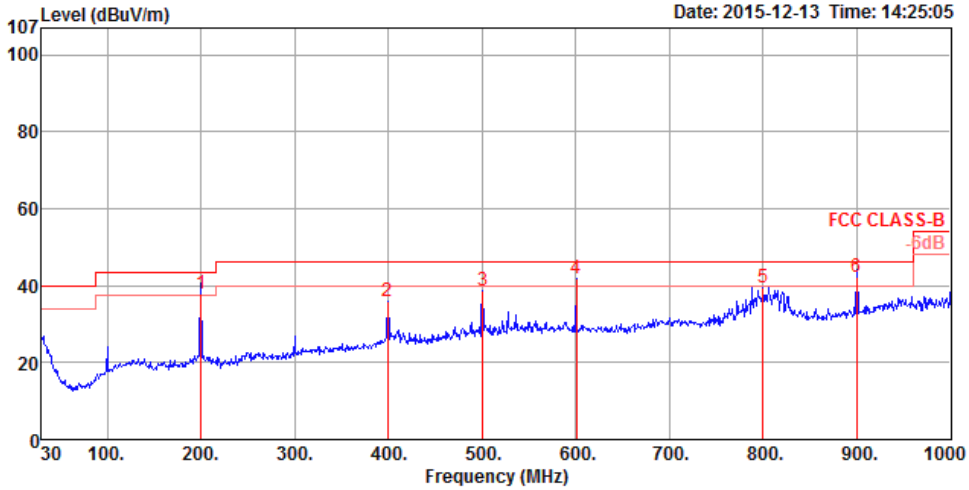
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

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

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

Temperature	24°C	Humidity	65%
Test Engineer	Brian Sun	Configurations	CTX

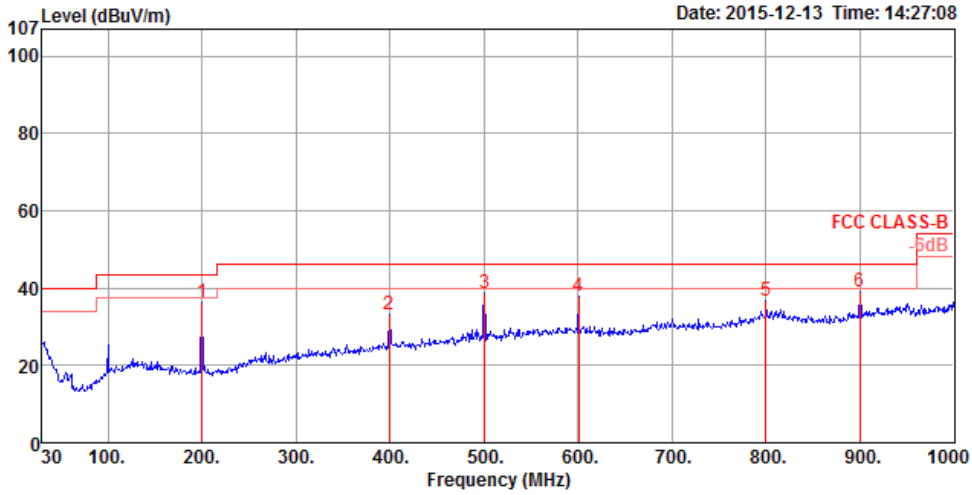
Horizontal



)E+2.4G+Ant31

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	199.75	38.05	43.50	-5.45	58.50	1.70	32.55	10.40	HORIZONTAL	136	125	QP
2	399.57	36.10	46.00	-9.90	49.87	2.30	32.54	16.47	HORIZONTAL	153	100	Peak
3	500.45	38.56	46.00	-7.44	50.63	2.61	32.61	17.93	HORIZONTAL	174	250	Peak
4	600.36	41.75	46.00	-4.25	52.61	2.83	32.69	19.00	HORIZONTAL	305	200	Peak
5	800.18	39.54	46.00	-6.46	48.00	3.23	32.39	20.70	HORIZONTAL	162	100	Peak
6	900.09	42.31	46.00	-3.69	49.20	3.37	31.86	21.60	HORIZONTAL	278	150	QP

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	199.75	36.52	43.50	-6.98	56.97	1.70	32.55	10.40	VERTICAL	290	125	Peak
2	399.57	33.13	46.00	-12.87	46.90	2.30	32.54	16.47	VERTICAL	198	100	Peak
3	500.45	38.77	46.00	-7.23	50.84	2.61	32.61	17.93	VERTICAL	251	250	Peak
4	600.36	38.00	46.00	-8.00	48.86	2.83	32.69	19.00	VERTICAL	22	200	Peak
5	800.18	36.79	46.00	-9.21	45.25	3.23	32.39	20.70	VERTICAL	226	100	Peak
6	900.09	39.07	46.00	-6.93	45.96	3.37	31.86	21.60	VERTICAL	211	150	Peak

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB 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.

4.5.9. Results for Radiated Emissions (1GHz~10th Harmonic)

For Non-Beamforming Mode

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4816.36	33.22	54.00	-20.78	29.51	5.57	32.66	34.52	154	163	Average	HORIZONTAL
2	4828.48	46.57	74.00	-27.43	42.80	5.60	32.69	34.52	154	163	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4827.60	45.90	74.00	-28.10	42.13	5.60	32.69	34.52	112	152	Peak	VERTICAL
2	4827.72	33.23	54.00	-20.77	29.46	5.60	32.69	34.52	112	152	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4868.36	45.83	74.00	-28.17	41.86	5.70	32.78	34.51	151	156	Peak	HORIZONTAL
2	4877.52	33.52	54.00	-20.48	29.55	5.70	32.78	34.51	151	156	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4870.48	45.41	74.00	-28.59	41.44	5.70	32.78	34.51	161	162	Peak	VERTICAL
2	4875.16	33.44	54.00	-20.56	29.47	5.70	32.78	34.51	161	162	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4924.76	46.18	74.00	-27.82	42.00	5.79	32.88	34.49	145	148	Peak	HORIZONTAL
2	4928.60	33.67	54.00	-20.33	29.49	5.79	32.88	34.49	145	148	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4920.12	33.43	54.00	-20.57	29.25	5.79	32.88	34.49	110	126	Average	VERTICAL
2	4930.04	46.21	74.00	-27.79	42.03	5.79	32.88	34.49	110	126	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4815.52	46.30	74.00	-27.70	42.59	5.57	32.66	34.52	253	157	Peak	HORIZONTAL
2	4820.68	33.17	54.00	-20.83	29.40	5.60	32.69	34.52	253	157	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4818.00	45.87	74.00	-28.13	42.10	5.60	32.69	34.52	213	148	Peak	VERTICAL
2	4819.40	33.15	54.00	-20.85	29.38	5.60	32.69	34.52	213	148	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4865.08	32.87	54.00	-21.13	28.97	5.66	32.75	34.51	186	147	Average	HORIZONTAL
2	4870.52	46.32	74.00	-27.68	42.35	5.70	32.78	34.51	186	147	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4864.60	45.88	74.00	-28.12	41.98	5.66	32.75	34.51	233	160	Peak	VERTICAL
2	4865.44	33.25	54.00	-20.75	29.35	5.66	32.75	34.51	233	160	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4922.36	46.61	74.00	-27.39	42.43	5.79	32.88	34.49	126	154	Peak	HORIZONTAL
2	4928.94	33.09	54.00	-20.91	28.91	5.79	32.88	34.49	126	154	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4920.18	33.35	54.00	-20.65	29.17	5.79	32.88	34.49	72	142	Average	VERTICAL
2	4922.24	46.27	74.00	-27.73	42.09	5.79	32.88	34.49	72	142	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4825.86	33.00	54.00	-21.00	29.23	5.60	32.69	34.52	182	146	Average	HORIZONTAL
2	4827.52	45.79	74.00	-28.21	42.02	5.60	32.69	34.52	182	146	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4819.36	33.17	54.00	-20.83	29.40	5.60	32.69	34.52	236	162	Average	VERTICAL
2	4822.48	45.64	74.00	-28.36	41.87	5.60	32.69	34.52	236	162	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4871.44	45.63	74.00	-28.37	41.66	5.70	32.78	34.51	136	165	Peak	HORIZONTAL
2	4872.22	33.31	54.00	-20.69	29.34	5.70	32.78	34.51	136	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.08	46.11	74.00	-27.89	42.14	5.70	32.78	34.51	137	140	Peak	VERTICAL
2	4874.44	33.33	54.00	-20.67	29.36	5.70	32.78	34.51	137	140	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4919.92	46.77	74.00	-27.23	42.59	5.79	32.88	34.49	332	151	Peak	HORIZONTAL
2	4921.00	33.38	54.00	-20.62	29.20	5.79	32.88	34.49	332	151	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4920.50	46.73	74.00	-27.27	42.55	5.79	32.88	34.49	228	162	Peak	VERTICAL
2	4926.94	33.42	54.00	-20.58	29.24	5.79	32.88	34.49	228	162	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4839.36	46.29	74.00	-27.71	42.45	5.63	32.72	34.51	270	155	Peak	HORIZONTAL
2	4840.04	33.03	54.00	-20.97	29.19	5.63	32.72	34.51	270	155	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4839.84	45.94	74.00	-28.06	42.10	5.63	32.72	34.51	302	151	Peak	VERTICAL
2	4840.84	33.14	54.00	-20.86	29.30	5.63	32.72	34.51	302	151	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.12	46.79	74.00	-27.21	42.82	5.70	32.78	34.51	259	141	Peak	HORIZONTAL
2	4876.20	33.21	54.00	-20.79	29.24	5.70	32.78	34.51	259	141	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.84	33.32	54.00	-20.68	29.35	5.70	32.78	34.51	295	151	Average	VERTICAL
2	4877.80	46.59	74.00	-27.41	42.62	5.70	32.78	34.51	295	151	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4899.62	32.88	54.00	-21.12	28.84	5.73	32.81	34.50	311	145	Average	HORIZONTAL
2	4900.60	46.03	74.00	-27.97	41.99	5.73	32.81	34.50	311	145	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4900.12	33.24	54.00	-20.76	29.20	5.73	32.81	34.50	276	149	Average	VERTICAL
2	4901.82	45.89	74.00	-28.11	41.79	5.76	32.84	34.50	276	149	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4823.96	33.32	54.00	-20.68	29.55	5.60	32.69	34.52	311	165	Average	HORIZONTAL
2	4829.52	45.86	74.00	-28.14	42.09	5.60	32.69	34.52	311	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4824.76	45.97	74.00	-28.03	42.20	5.60	32.69	34.52	329	165	Peak	VERTICAL
2	4833.84	33.14	54.00	-20.86	29.31	5.63	32.72	34.52	329	165	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4878.20	33.06	54.00	-20.94	29.09	5.70	32.78	34.51	125	165	Average	HORIZONTAL
2	4880.60	45.85	74.00	-28.15	41.88	5.70	32.78	34.51	125	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.88	33.47	54.00	-20.53	29.50	5.70	32.78	34.51	57	165	Average	VERTICAL
2	4879.00	46.11	74.00	-27.89	42.14	5.70	32.78	34.51	57	165	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4914.44	47.18	74.00	-26.82	43.07	5.76	32.84	34.49	217	165	Peak	HORIZONTAL
2	4915.64	33.31	54.00	-20.69	29.20	5.76	32.84	34.49	217	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4919.52	45.76	74.00	-28.24	41.58	5.79	32.88	34.49	168	165	Peak	VERTICAL
2	4927.88	33.36	54.00	-20.64	29.18	5.79	32.88	34.49	168	165	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4875.32	46.58	74.00	-27.42	42.61	5.70	32.78	34.51	327	165	Peak	HORIZONTAL
2	4881.88	33.03	54.00	-20.97	29.06	5.70	32.78	34.51	327	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4875.64	33.21	54.00	-20.79	29.24	5.70	32.78	34.51	283	165	Average	VERTICAL
2	4879.92	45.90	74.00	-28.10	41.93	5.70	32.78	34.51	283	165	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4880.12	46.24	74.00	-27.76	42.27	5.70	32.78	34.51	178	165	Peak	HORIZONTAL
2	4881.84	33.04	54.00	-20.96	29.07	5.70	32.78	34.51	178	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4866.52	33.08	54.00	-20.92	29.18	5.66	32.75	34.51	246	165	Average	VERTICAL
2	4868.68	45.68	74.00	-28.32	41.71	5.70	32.78	34.51	246	165	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4925.56	46.70	74.00	-27.30	42.52	5.79	32.88	34.49	223	165	Peak	HORIZONTAL
2	4927.24	33.45	54.00	-20.55	29.27	5.79	32.88	34.49	223	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4921.76	45.71	74.00	-28.29	41.53	5.79	32.88	34.49	275	165	Peak	VERTICAL
2	4932.72	33.47	54.00	-20.53	29.29	5.79	32.88	34.49	275	165	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4826.56	45.38	74.00	-28.62	41.61	5.60	32.69	34.52	334	165	Peak	HORIZONTAL
2	4832.84	32.75	54.00	-21.25	28.98	5.60	32.69	34.52	334	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4833.28	32.78	54.00	-21.22	29.01	5.60	32.69	34.52	286	165	Average	VERTICAL
2	4833.44	46.26	74.00	-27.74	42.49	5.60	32.69	34.52	286	165	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4876.68	46.21	74.00	-27.79	42.24	5.70	32.78	34.51	107	165	Peak	HORIZONTAL
2	4880.36	32.97	54.00	-21.03	29.00	5.70	32.78	34.51	107	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4871.88	32.98	54.00	-21.02	29.01	5.70	32.78	34.51	220	165	Average	VERTICAL
2	4879.72	45.54	74.00	-28.46	41.57	5.70	32.78	34.51	220	165	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4915.88	46.06	74.00	-27.94	41.95	5.76	32.84	34.49	256	165	Peak	HORIZONTAL
2	4933.80	33.36	54.00	-20.64	29.18	5.79	32.88	34.49	256	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4925.28	33.39	54.00	-20.61	29.21	5.79	32.88	34.49	190	165	Average	VERTICAL
2	4930.48	46.02	74.00	-27.98	41.84	5.79	32.88	34.49	190	165	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4842.24	32.86	54.00	-21.14	29.02	5.63	32.72	34.51	224	165	Average	HORIZONTAL
2	4844.36	45.59	74.00	-28.41	41.75	5.63	32.72	34.51	224	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4836.76	32.81	54.00	-21.19	28.98	5.63	32.72	34.52	256	165	Average	VERTICAL
2	4844.12	45.34	74.00	-28.66	41.50	5.63	32.72	34.51	256	165	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4867.00	32.80	54.00	-21.20	28.90	5.66	32.75	34.51	134	165	Average	HORIZONTAL
2	4874.64	45.62	74.00	-28.38	41.65	5.70	32.78	34.51	134	165	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4867.80	32.95	54.00	-21.05	28.98	5.70	32.78	34.51	176	165	Average	VERTICAL
2	4878.76	46.35	74.00	-27.65	42.38	5.70	32.78	34.51	176	165	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4895.76	46.08	74.00	-27.92	42.04	5.73	32.81	34.50	222	165	Peak	HORIZONTAL
2	4912.00	33.05	54.00	-20.95	28.95	5.76	32.84	34.50	222	165	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4905.20	46.28	74.00	-27.72	42.18	5.76	32.84	34.50	172	165	Peak	VERTICAL
2	4913.08	33.07	54.00	-20.93	28.97	5.76	32.84	34.50	172	165	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4821.81	33.68	54.00	-20.32	27.35	8.28	33.03	31.08	HORIZONTAL	165	106	Average
2	4823.32	46.60	74.00	-27.40	40.27	8.28	33.03	31.08	HORIZONTAL	165	106	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4821.98	33.93	54.00	-20.07	27.60	8.28	33.03	31.08	VERTICAL	173	204	Average
2	4825.75	47.33	74.00	-26.67	40.97	8.28	33.03	31.11	VERTICAL	173	204	Peak

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4876.48	46.51	74.00	-27.49	39.96	8.38	33.01	31.18	HORIZONTAL	162	218	Peak
2	4876.50	33.96	54.00	-20.04	27.41	8.38	33.01	31.18	HORIZONTAL	162	218	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4873.48	34.04	54.00	-19.96	27.49	8.38	33.01	31.18	VERTICAL	151	26	Average
2	4874.73	47.07	74.00	-26.93	40.52	8.38	33.01	31.18	VERTICAL	151	26	Peak

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4921.61	34.30	54.00	-19.70	27.57	8.47	32.99	31.25	HORIZONTAL	169	187	Average
2	4925.72	47.58	74.00	-26.42	40.81	8.47	32.98	31.28	HORIZONTAL	169	187	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4922.73	34.35	54.00	-19.65	27.62	8.47	32.99	31.25	VERTICAL	158	93	Average
2	4923.89	47.60	74.00	-26.40	40.84	8.47	32.99	31.28	VERTICAL	158	93	Peak

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4822.09	46.64	74.00	-27.36	40.31	8.28	33.03	31.08	HORIZONTAL	160	156	Peak
2	4824.90	33.50	54.00	-20.50	27.17	8.28	33.03	31.08	HORIZONTAL	160	156	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4821.72	33.55	54.00	-20.45	27.22	8.28	33.03	31.08	VERTICAL	168	167	Average
2	4825.75	46.12	74.00	-27.88	39.76	8.28	33.03	31.11	VERTICAL	168	167	Peak

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4875.26	47.22	74.00	-26.78	40.67	8.38	33.01	31.18	HORIZONTAL	157	243	Peak
2	4875.77	33.65	54.00	-20.35	27.10	8.38	33.01	31.18	HORIZONTAL	157	243	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4873.55	47.57	74.00	-26.43	41.02	8.38	33.01	31.18	VERTICAL	138	206	Peak
2	4876.16	33.73	54.00	-20.27	27.18	8.38	33.01	31.18	VERTICAL	138	206	Average

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4922.82	34.14	54.00	-19.86	27.41	8.47	32.99	31.25	HORIZONTAL	156	121	Average
2	4925.55	47.66	74.00	-26.34	40.89	8.47	32.98	31.28	HORIZONTAL	156	121	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4922.20	47.64	74.00	-26.36	40.91	8.47	32.99	31.25	VERTICAL	153	160	Peak
2	4923.33	34.28	54.00	-19.72	27.55	8.47	32.99	31.25	VERTICAL	153	160	Average

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4823.44	33.43	54.00	-20.57	27.10	8.28	33.03	31.08	HORIZONTAL	151	152	Average
2	4824.35	46.30	74.00	-27.70	39.97	8.28	33.03	31.08	HORIZONTAL	151	152	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4822.62	33.62	54.00	-20.38	27.29	8.28	33.03	31.08	VERTICAL	155	201	Average
2	4825.34	46.61	74.00	-27.39	40.25	8.28	33.03	31.11	VERTICAL	155	201	Peak

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4872.48	46.72	74.00	-27.28	40.17	8.38	33.01	31.18	HORIZONTAL	162	55	Peak
2	4873.05	33.56	54.00	-20.44	27.01	8.38	33.01	31.18	HORIZONTAL	162	55	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4874.55	46.55	74.00	-27.45	40.00	8.38	33.01	31.18	VERTICAL	159	88	Peak
2	4875.40	33.53	54.00	-20.47	26.98	8.38	33.01	31.18	VERTICAL	159	88	Average

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4921.65	46.42	74.00	-27.58	39.69	8.47	32.99	31.25	HORIZONTAL	157	118	Peak
2	4924.72	33.98	54.00	-20.02	27.22	8.47	32.99	31.28	HORIZONTAL	157	118	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4922.74	46.37	74.00	-27.63	39.64	8.47	32.99	31.25	VERTICAL	165	190	Peak
2	4925.31	34.19	54.00	-19.81	27.42	8.47	32.98	31.28	VERTICAL	165	190	Average

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4842.76	33.16	54.00	-20.84	26.74	8.31	33.02	31.13	HORIZONTAL	150	114	Average
2	4843.39	46.32	74.00	-27.68	39.90	8.31	33.02	31.13	HORIZONTAL	150	114	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4842.21	33.07	54.00	-20.93	26.65	8.31	33.02	31.13	VERTICAL	153	90	Average
2	4846.23	46.39	74.00	-27.61	39.96	8.31	33.01	31.13	VERTICAL	153	90	Peak

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4872.59	46.78	74.00	-27.22	40.23	8.38	33.01	31.18	HORIZONTAL	167	173	Peak
2	4873.74	33.62	54.00	-20.38	27.07	8.38	33.01	31.18	HORIZONTAL	167	173	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4875.11	33.60	54.00	-20.40	27.05	8.38	33.01	31.18	VERTICAL	173	126	Average
2	4875.12	46.17	74.00	-27.83	39.62	8.38	33.01	31.18	VERTICAL	173	126	Peak

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4903.06	33.90	54.00	-20.10	27.22	8.44	32.99	31.23	HORIZONTAL	153	100	Average
2	4905.63	47.16	74.00	-26.84	40.48	8.44	32.99	31.23	HORIZONTAL	153	100	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	4903.04	33.99	54.00	-20.01	27.31	8.44	32.99	31.23	VERTICAL	161	137	Average
2	4905.11	47.51	74.00	-26.49	40.83	8.44	32.99	31.23	VERTICAL	161	137	Peak

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4825.05	46.66	74.00	-27.34	42.89	5.60	32.69	34.52	178	100	Peak	HORIZONTAL
2	4826.30	33.39	54.00	-20.61	29.62	5.60	32.69	34.52	178	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4823.35	46.27	74.00	-27.73	42.50	5.60	32.69	34.52	35	100	Peak	VERTICAL
2	4823.42	33.32	54.00	-20.68	29.55	5.60	32.69	34.52	35	100	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.74	46.33	74.00	-27.67	42.36	5.70	32.78	34.51	165	100	Peak	HORIZONTAL
2	4876.50	33.70	54.00	-20.30	29.73	5.70	32.78	34.51	165	100	Average	HORIZONTAL
3	7308.61	49.80	74.00	-24.20	40.52	6.81	37.23	34.76	172	100	Peak	HORIZONTAL
4	7309.94	37.96	54.00	-16.04	28.68	6.81	37.23	34.76	172	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.18	33.59	54.00	-20.41	29.62	5.70	32.78	34.51	334	100	Average	VERTICAL
2	4874.74	46.30	74.00	-27.70	42.33	5.70	32.78	34.51	334	100	Peak	VERTICAL
3	7312.02	38.41	54.00	-15.59	29.13	6.81	37.23	34.76	316	100	Average	VERTICAL
4	7312.72	51.25	74.00	-22.75	41.97	6.81	37.23	34.76	316	100	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4922.14	47.07	74.00	-26.93	42.89	5.79	32.88	34.49	221	100	Peak	HORIZONTAL
2	4925.69	33.71	54.00	-20.29	29.53	5.79	32.88	34.49	221	100	Average	HORIZONTAL
3	7385.38	51.46	74.00	-22.54	42.07	6.80	37.36	34.77	218	100	Peak	HORIZONTAL
4	7385.54	38.83	54.00	-15.17	29.44	6.80	37.36	34.77	218	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4922.68	33.65	54.00	-20.35	29.47	5.79	32.88	34.49	264	100	Average	VERTICAL
2	4923.45	46.18	74.00	-27.82	42.00	5.79	32.88	34.49	264	100	Peak	VERTICAL
3	7386.93	51.58	74.00	-22.42	42.19	6.80	37.36	34.77	228	100	Peak	VERTICAL
4	7388.40	38.79	54.00	-15.21	29.40	6.80	37.36	34.77	228	100	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4825.28	46.41	74.00	-27.59	42.64	5.60	32.69	34.52	245	100	Peak	HORIZONTAL
2	4826.11	33.37	54.00	-20.63	29.60	5.60	32.69	34.52	245	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4825.25	33.06	54.00	-20.94	29.29	5.60	32.69	34.52	229	100	Average	VERTICAL
2	4825.43	46.54	74.00	-27.46	42.77	5.60	32.69	34.52	229	100	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.16	33.52	54.00	-20.48	29.55	5.70	32.78	34.51	168	100	Average	HORIZONTAL
2	4876.36	45.87	74.00	-28.13	41.90	5.70	32.78	34.51	168	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.68	47.07	74.00	-26.93	43.10	5.70	32.78	34.51	196	100	Peak	VERTICAL
2	4876.37	33.38	54.00	-20.62	29.41	5.70	32.78	34.51	196	100	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.22	46.75	74.00	-27.25	42.57	5.79	32.88	34.49	105	100	Peak	HORIZONTAL
2	4925.25	33.48	54.00	-20.52	29.30	5.79	32.88	34.49	105	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4922.03	33.85	54.00	-20.15	29.67	5.79	32.88	34.49	35	100	Average	VERTICAL
2	4925.53	46.44	74.00	-27.56	42.26	5.79	32.88	34.49	35	100	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4821.72	46.64	74.00	-27.36	42.87	5.60	32.69	34.52	4	100	Peak	HORIZONTAL
2	4823.38	33.25	54.00	-20.75	29.48	5.60	32.69	34.52	4	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4822.14	45.32	74.00	-28.68	41.55	5.60	32.69	34.52	40	100	Peak	VERTICAL
2	4825.51	32.91	54.00	-21.09	29.14	5.60	32.69	34.52	40	100	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4871.61	33.58	54.00	-20.42	29.61	5.70	32.78	34.51	85	100	Average	HORIZONTAL
2	4874.05	47.16	74.00	-26.84	43.19	5.70	32.78	34.51	85	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4872.23	46.70	74.00	-27.30	42.73	5.70	32.78	34.51	134	100	Peak	VERTICAL
2	4873.74	33.36	54.00	-20.64	29.39	5.70	32.78	34.51	134	100	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4922.45	45.90	74.00	-28.10	41.72	5.79	32.88	34.49	216	100	Peak	HORIZONTAL
2	4922.64	33.59	54.00	-20.41	29.41	5.79	32.88	34.49	216	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.96	46.91	74.00	-27.09	42.73	5.79	32.88	34.49	187	100	Peak	VERTICAL
2	4925.65	33.34	54.00	-20.66	29.16	5.79	32.88	34.49	187	100	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4842.57	33.33	54.00	-20.67	29.49	5.63	32.72	34.51	224	100	Average	HORIZONTAL
2	4842.67	45.87	74.00	-28.13	42.03	5.63	32.72	34.51	224	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4845.59	33.28	54.00	-20.72	29.44	5.63	32.72	34.51	265	100	Average	VERTICAL
2	4846.24	46.30	74.00	-27.70	42.46	5.63	32.72	34.51	265	100	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.75	33.46	54.00	-20.54	29.49	5.70	32.78	34.51	293	100	Average	HORIZONTAL
2	4874.88	45.84	74.00	-28.16	41.87	5.70	32.78	34.51	293	100	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4871.87	33.23	54.00	-20.77	29.26	5.70	32.78	34.51	250	100	Average	VERTICAL
2	4874.85	46.15	74.00	-27.85	42.18	5.70	32.78	34.51	250	100	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4901.81	46.05	74.00	-27.95	41.95	5.76	32.84	34.50	324	100	Peak	HORIZONTAL
2	4905.86	33.40	54.00	-20.60	29.30	5.76	32.84	34.50	324	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4902.21	46.38	74.00	-27.62	42.28	5.76	32.84	34.50	239	100	Peak	VERTICAL
2	4904.39	33.64	54.00	-20.36	29.54	5.76	32.84	34.50	239	100	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4819.80	32.62	54.00	-21.38	28.85	5.60	32.69	34.52	80	150	Average	HORIZONTAL
2	4823.24	45.89	74.00	-28.11	42.12	5.60	32.69	34.52	80	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4816.32	45.16	74.00	-28.84	41.45	5.57	32.66	34.52	51	150	Peak	VERTICAL
2	4823.20	32.82	54.00	-21.18	29.05	5.60	32.69	34.52	51	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.96	46.73	74.00	-27.27	42.76	5.70	32.78	34.51	172	150	Peak	HORIZONTAL
2	4876.04	32.80	54.00	-21.20	28.83	5.70	32.78	34.51	172	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4865.04	45.48	74.00	-28.52	41.58	5.66	32.75	34.51	130	150	Peak	VERTICAL
2	4878.40	32.89	54.00	-21.11	28.92	5.70	32.78	34.51	130	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4916.68	33.00	54.00	-21.00	28.89	5.76	32.84	34.49	231	150	Average	HORIZONTAL
2	4925.52	45.96	74.00	-28.04	41.78	5.79	32.88	34.49	231	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4930.56	45.49	74.00	-28.51	41.31	5.79	32.88	34.49	206	150	Peak	VERTICAL
2	4930.88	33.23	54.00	-20.77	29.05	5.79	32.88	34.49	206	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4823.90	32.74	54.00	-21.26	28.97	5.60	32.69	34.52	302	150	Average	HORIZONTAL
2	4824.05	45.56	74.00	-28.44	41.79	5.60	32.69	34.52	302	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4824.02	32.54	54.00	-21.46	28.77	5.60	32.69	34.52	273	150	Average	VERTICAL
2	4824.07	46.61	74.00	-27.39	42.84	5.60	32.69	34.52	273	150	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4874.01	32.71	54.00	-21.29	28.74	5.70	32.78	34.51	356	150	Average	HORIZONTAL
2	4874.04	46.31	74.00	-27.69	42.34	5.70	32.78	34.51	356	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.90	46.20	74.00	-27.80	42.23	5.70	32.78	34.51	333	150	Peak	VERTICAL
2	4874.03	32.59	54.00	-21.41	28.62	5.70	32.78	34.51	333	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.99	32.77	54.00	-21.23	28.59	5.79	32.88	34.49	292	150	Average	HORIZONTAL
2	4924.03	45.83	74.00	-28.17	41.65	5.79	32.88	34.49	292	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.95	32.92	54.00	-21.08	28.74	5.79	32.88	34.49	313	150	Average	VERTICAL
2	4923.97	45.83	74.00	-28.17	41.65	5.79	32.88	34.49	313	150	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4823.91	45.90	74.00	-28.10	42.13	5.60	32.69	34.52	202	150	Peak	HORIZONTAL
2	4824.06	32.44	54.00	-21.56	28.67	5.60	32.69	34.52	202	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4824.06	45.31	74.00	-28.69	41.54	5.60	32.69	34.52	241	150	Peak	VERTICAL
2	4824.08	32.31	54.00	-21.69	28.54	5.60	32.69	34.52	241	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.96	32.56	54.00	-21.44	28.59	5.70	32.78	34.51	222	150	Average	HORIZONTAL
2	4874.06	46.07	74.00	-27.93	42.10	5.70	32.78	34.51	222	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.98	45.63	74.00	-28.37	41.66	5.70	32.78	34.51	263	150	Peak	VERTICAL
2	4874.09	32.46	54.00	-21.54	28.49	5.70	32.78	34.51	263	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.92	32.83	54.00	-21.17	28.65	5.79	32.88	34.49	171	150	Average	HORIZONTAL
2	4924.04	45.93	74.00	-28.07	41.75	5.79	32.88	34.49	171	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4923.94	32.72	54.00	-21.28	28.54	5.79	32.88	34.49	209	150	Average	VERTICAL
2	4924.08	45.73	74.00	-28.27	41.55	5.79	32.88	34.49	209	150	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4843.93	32.29	54.00	-21.71	28.45	5.63	32.72	34.51	109	150	Average	HORIZONTAL
2	4844.05	44.99	74.00	-29.01	41.15	5.63	32.72	34.51	109	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4843.95	45.95	74.00	-28.05	42.11	5.63	32.72	34.51	138	150	Peak	VERTICAL
2	4844.02	32.57	54.00	-21.43	28.73	5.63	32.72	34.51	138	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.95	45.56	74.00	-28.44	41.59	5.70	32.78	34.51	119	150	Peak	HORIZONTAL
2	4874.01	32.59	54.00	-21.41	28.62	5.70	32.78	34.51	119	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.94	45.58	74.00	-28.42	41.61	5.70	32.78	34.51	76	150	Peak	VERTICAL
2	4874.05	32.50	54.00	-21.50	28.53	5.70	32.78	34.51	76	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4903.92	45.78	74.00	-28.22	41.68	5.76	32.84	34.50	206	150	Peak	HORIZONTAL
2	4904.04	32.48	54.00	-21.52	28.38	5.76	32.84	34.50	206	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4903.98	32.58	54.00	-21.42	28.48	5.76	32.84	34.50	155	150	Average	VERTICAL
2	4904.10	46.16	74.00	-27.84	42.06	5.76	32.84	34.50	155	150	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4814.84	44.59	74.00	-29.41	40.88	5.57	32.66	34.52	290	150	Peak	HORIZONTAL
2	4822.44	32.18	54.00	-21.82	28.41	5.60	32.69	34.52	290	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4815.48	45.01	74.00	-28.99	41.30	5.57	32.66	34.52	317	150	Peak	VERTICAL
2	4817.36	32.17	54.00	-21.83	28.40	5.60	32.69	34.52	317	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4866.28	44.75	74.00	-29.25	40.85	5.66	32.75	34.51	134	150	Peak	HORIZONTAL
2	4872.96	32.11	54.00	-21.89	28.14	5.70	32.78	34.51	134	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4871.64	45.07	74.00	-28.93	41.10	5.70	32.78	34.51	169	150	Peak	VERTICAL
2	4873.96	32.46	54.00	-21.54	28.49	5.70	32.78	34.51	169	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4925.04	32.64	54.00	-21.36	28.46	5.79	32.88	34.49	81	150	Average	HORIZONTAL
2	4928.72	45.37	74.00	-28.63	41.19	5.79	32.88	34.49	81	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4926.16	45.25	74.00	-28.75	41.07	5.79	32.88	34.49	98	150	Peak	VERTICAL
2	4927.92	32.61	54.00	-21.39	28.43	5.79	32.88	34.49	98	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4815.84	31.77	54.00	-22.23	28.06	5.57	32.66	34.52	94	150	Average	HORIZONTAL
2	4819.80	45.13	74.00	-28.87	41.36	5.60	32.69	34.52	94	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4817.64	32.84	54.00	-21.16	29.07	5.60	32.69	34.52	123	150	Average	VERTICAL
2	4820.24	45.09	74.00	-28.91	41.32	5.60	32.69	34.52	123	150	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4871.00	31.98	54.00	-22.02	28.01	5.70	32.78	34.51	354	150	Average	HORIZONTAL
2	4875.24	45.09	74.00	-28.91	41.12	5.70	32.78	34.51	354	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4871.20	45.47	74.00	-28.53	41.50	5.70	32.78	34.51	312	150	Peak	VERTICAL
2	4871.64	32.16	54.00	-21.84	28.19	5.70	32.78	34.51	312	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4927.44	32.57	54.00	-21.43	28.39	5.79	32.88	34.49	306	150	Average	HORIZONTAL
2	4929.16	44.81	74.00	-29.19	40.63	5.79	32.88	34.49	306	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4922.56	45.08	74.00	-28.92	40.90	5.79	32.88	34.49	354	150	Peak	VERTICAL
2	4931.28	32.56	54.00	-21.44	28.38	5.79	32.88	34.49	354	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4817.12	31.69	54.00	-22.31	27.92	5.60	32.69	34.52	231	150	Average	HORIZONTAL
2	4826.40	45.28	74.00	-28.72	41.51	5.60	32.69	34.52	231	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4814.28	32.83	54.00	-21.17	29.12	5.57	32.66	34.52	282	150	Average	VERTICAL
2	4827.00	44.55	74.00	-29.45	40.78	5.60	32.69	34.52	282	150	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4865.36	44.65	74.00	-29.35	40.75	5.66	32.75	34.51	139	150	Peak	HORIZONTAL
2	4876.84	31.95	54.00	-22.05	27.98	5.70	32.78	34.51	139	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4877.24	44.57	74.00	-29.43	40.60	5.70	32.78	34.51	183	150	Peak	VERTICAL
2	4878.48	32.98	54.00	-21.02	29.01	5.70	32.78	34.51	183	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4922.20	45.44	74.00	-28.56	41.26	5.79	32.88	34.49	148	150	Peak	HORIZONTAL
2	4926.52	32.43	54.00	-21.57	28.25	5.79	32.88	34.49	148	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4930.32	32.51	54.00	-21.49	28.33	5.79	32.88	34.49	187	150	Average	VERTICAL
2	4931.44	45.90	74.00	-28.10	41.72	5.79	32.88	34.49	187	150	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4840.28	31.72	54.00	-22.28	27.88	5.63	32.72	34.51	139	150	Average	HORIZONTAL
2	4849.60	44.76	74.00	-29.24	40.92	5.63	32.72	34.51	139	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4837.88	44.90	74.00	-29.10	41.06	5.63	32.72	34.51	202	150	Peak	VERTICAL
2	4839.36	32.78	54.00	-21.22	28.94	5.63	32.72	34.51	202	150	Average	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4873.32	31.81	54.00	-22.19	27.84	5.70	32.78	34.51	110	150	Average	HORIZONTAL
2	4880.12	45.14	74.00	-28.86	41.17	5.70	32.78	34.51	110	150	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4871.76	32.86	54.00	-21.14	28.89	5.70	32.78	34.51	174	150	Average	VERTICAL
2	4881.08	44.79	74.00	-29.21	40.82	5.70	32.78	34.51	174	150	Peak	VERTICAL

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 6 (Set 9 Monopole antenna / Chain 1:5.2dBi, Chain 2: 3.7dBi , Chain 3: 3.2dBi , Chain 4: 4.5dBi / 4TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4899.84	44.75	74.00	-29.25	40.71	5.73	32.81	34.50	137	150	Peak	HORIZONTAL
2	4913.92	32.33	54.00	-21.67	28.23	5.76	32.84	34.50	137	150	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4900.36	44.79	74.00	-29.21	40.75	5.73	32.81	34.50	110	150	Peak	VERTICAL
2	4909.76	32.13	54.00	-21.87	28.03	5.76	32.84	34.50	110	150	Average	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. Emissions Measurement

4.6.1. Limit

30dBc in any 100 kHz bandwidth outside the operating frequency band. 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 the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average
RBW / VBW (30dBc in any 100 kHz bandwidth emission)	100 kHz / 300 kHz for Peak

4.6.3. Test Procedures

For Radiated band edges Measurement:

1. The test procedure is the same as section 4.5.3.

For Radiated Out of Band Emission Measurement:

1. Test was performed in accordance with KDB558074 D01 v03r03 for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247 section 10.1 Unwanted Emissions into Non-Restricted Frequency Bands Measurement Procedure.

4.6.4. Test Setup Layout

For Radiated band edges Measurement:

This test setup layout is the same as that shown in section 4.5.4.

For Radiated Out of Band Emission Measurement:

This test setup layout is the same as that shown in section 4.5.4.

4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

For non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

For Non-Beamforming Mode

Temperature	24°C	Humidity	65%
Test Date	Oct. 21, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.67	60.20	74.00	-13.80	28.31	3.75	28.14	0.00	330	278	Peak	VERTICAL
2	2389.00	48.21	54.00	-5.79	16.32	3.75	28.14	0.00	330	278	Average	VERTICAL
3	2411.17	108.34			76.46	3.76	28.12	0.00	330	278	Average	VERTICAL
4	2413.00	112.30			80.42	3.76	28.12	0.00	330	278	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2383.67	56.14	74.00	-17.86	24.24	3.73	28.17	0.00	21	285	Peak	VERTICAL
2	2390.00	44.63	54.00	-9.37	12.74	3.75	28.14	0.00	21	285	Average	VERTICAL
3	2436.00	111.07			79.20	3.77	28.10	0.00	21	285	Peak	VERTICAL
4	2436.33	107.23			75.36	3.77	28.10	0.00	21	285	Average	VERTICAL
5	2483.50	44.57	54.00	-9.43	12.73	3.82	28.02	0.00	21	285	Average	VERTICAL
6	2485.10	55.72	74.00	-18.28	23.88	3.82	28.02	0.00	21	285	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.33	108.39			76.54	3.80	28.05	0.00	343	271	Average	VERTICAL
2	2463.00	112.40			80.55	3.80	28.05	0.00	343	271	Peak	VERTICAL
3	2483.50	59.78	74.00	-14.22	27.94	3.82	28.02	0.00	343	271	Peak	VERTICAL
4	2486.33	49.73	54.00	-4.27	17.89	3.82	28.02	0.00	343	271	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 21, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.83	71.89	74.00	-2.11	40.00	3.75	28.14	0.00	336	285	Peak	VERTICAL
2	2390.00	52.52	54.00	-1.48	20.63	3.75	28.14	0.00	336	285	Average	VERTICAL
3	2410.00	112.49			80.61	3.76	28.12	0.00	336	285	Peak	VERTICAL
4	2413.00	101.05			69.17	3.76	28.12	0.00	336	285	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.67	59.56	74.00	-14.44	27.67	3.75	28.14	0.00	31	288	Peak	VERTICAL
2	2390.00	45.45	54.00	-8.55	13.56	3.75	28.14	0.00	31	288	Average	VERTICAL
3	2434.67	114.30			82.43	3.77	28.10	0.00	31	288	Peak	VERTICAL
4	2436.00	103.07			71.20	3.77	28.10	0.00	31	288	Average	VERTICAL
5	2483.50	45.45	54.00	-8.55	13.61	3.82	28.02	0.00	31	288	Average	VERTICAL
6	2487.00	57.12	74.00	-16.88	25.28	3.82	28.02	0.00	31	288	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2463.00	100.84			68.99	3.80	28.05	0.00	345	275	Average	VERTICAL
2	2464.67	110.41			78.56	3.80	28.05	0.00	345	275	Peak	VERTICAL
3	2483.50	70.21	74.00	-3.79	38.37	3.82	28.02	0.00	345	275	Peak	VERTICAL
4	2483.50	52.58	54.00	-1.42	20.74	3.82	28.02	0.00	345	275	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 21, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.67	71.13	74.00	-2.87	39.24	3.75	28.14	0.00	337	276	Peak	VERTICAL
2	2390.00	52.74	54.00	-1.26	20.85	3.75	28.14	0.00	337	276	Average	VERTICAL
3	2413.17	110.92			79.04	3.76	28.12	0.00	337	276	Peak	VERTICAL
4	2413.17	100.39			68.51	3.76	28.12	0.00	337	276	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.00	59.89	74.00	-14.11	28.00	3.75	28.14	0.00	32	286	Peak	VERTICAL
2	2390.00	45.86	54.00	-8.14	13.97	3.75	28.14	0.00	32	286	Average	VERTICAL
3	2436.00	102.88			71.01	3.77	28.10	0.00	32	286	Average	VERTICAL
4	2437.00	113.28			81.42	3.79	28.07	0.00	32	286	Peak	VERTICAL
5	2483.50	45.60	54.00	-8.40	13.76	3.82	28.02	0.00	32	286	Average	VERTICAL
6	2485.67	58.23	74.00	-15.77	26.39	3.82	28.02	0.00	32	286	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2460.50	99.66			67.81	3.80	28.05	0.00	328	266	Average	VERTICAL
2	2461.83	109.99			78.14	3.80	28.05	0.00	328	266	Peak	VERTICAL
3	2483.50	52.71	54.00	-1.29	20.87	3.82	28.02	0.00	328	266	Average	VERTICAL
4	2483.67	71.85	74.00	-2.15	40.01	3.82	28.02	0.00	328	266	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 21, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 1TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.33	52.64	54.00	-1.36	20.75	3.75	28.14	0.00	32	299	Average	VERTICAL
2	2390.00	72.93	74.00	-1.07	41.04	3.75	28.14	0.00	32	299	Peak	VERTICAL
3	2413.33	105.32			73.44	3.76	28.12	0.00	32	299	Peak	VERTICAL
4	2416.33	95.85			63.97	3.76	28.12	0.00	32	299	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	67.65	74.00	-6.35	35.76	3.75	28.14	0.00	28	275	Peak	VERTICAL
2	2390.00	52.12	54.00	-1.88	20.23	3.75	28.14	0.00	28	275	Average	VERTICAL
3	2446.50	105.93			74.07	3.79	28.07	0.00	28	275	Peak	VERTICAL
4	2451.50	96.67			64.81	3.79	28.07	0.00	28	275	Average	VERTICAL
5	2483.50	68.67	74.00	-5.33	36.83	3.82	28.02	0.00	28	275	Peak	VERTICAL
6	2483.50	52.78	54.00	-1.22	20.94	3.82	28.02	0.00	28	275	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2437.67	94.59			62.73	3.79	28.07	0.00	335	292	Average	VERTICAL
2	2439.33	104.20			72.34	3.79	28.07	0.00	335	292	Peak	VERTICAL
3	2485.00	52.69	54.00	-1.31	20.85	3.82	28.02	0.00	335	292	Average	VERTICAL
4	2487.33	71.09	74.00	-2.91	39.25	3.82	28.02	0.00	335	292	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 21, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.00	60.11	74.00	-13.89	28.22	3.75	28.14	0.00	3	284	Peak	VERTICAL
2	2389.67	49.55	54.00	-4.45	17.66	3.75	28.14	0.00	3	284	Average	VERTICAL
3	2411.17	113.26			81.38	3.76	28.12	0.00	3	284	Average	VERTICAL
4	2413.00	117.14			85.26	3.76	28.12	0.00	3	284	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2381.67	56.88	74.00	-17.12	24.98	3.73	28.17	0.00	4	313	Peak	VERTICAL
2	2384.00	45.25	54.00	-8.75	13.35	3.73	28.17	0.00	4	313	Average	VERTICAL
3	2436.00	116.98			85.11	3.77	28.10	0.00	4	313	Peak	VERTICAL
4	2436.33	113.07			81.20	3.77	28.10	0.00	4	313	Average	VERTICAL
5	2483.50	44.79	54.00	-9.21	12.95	3.82	28.02	0.00	4	313	Average	VERTICAL
6	2488.30	56.80	74.00	-17.20	24.97	3.83	28.00	0.00	4	313	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.17	117.26			85.41	3.80	28.05	0.00	9	285	Peak	VERTICAL
2	2461.17	113.46			81.61	3.80	28.05	0.00	9	285	Average	VERTICAL
3	2486.50	50.82	54.00	-3.18	18.98	3.82	28.02	0.00	9	285	Average	VERTICAL
4	2488.00	60.77	74.00	-13.23	28.94	3.83	28.00	0.00	9	285	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 21, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.67	72.47	74.00	-1.53	40.58	3.75	28.14	0.00	332	287	Peak	VERTICAL
2	2390.00	52.79	54.00	-1.21	20.90	3.75	28.14	0.00	332	287	Average	VERTICAL
3	2414.17	104.58			72.70	3.76	28.12	0.00	332	287	Average	VERTICAL
4	2414.50	114.79			82.91	3.76	28.12	0.00	332	287	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	60.49	74.00	-13.51	28.60	3.75	28.14	0.00	23	301	Peak	VERTICAL
2	2390.00	46.16	54.00	-7.84	14.27	3.75	28.14	0.00	23	301	Average	VERTICAL
3	2438.33	118.21			86.35	3.79	28.07	0.00	23	301	Peak	VERTICAL
4	2438.33	108.07			76.21	3.79	28.07	0.00	23	301	Average	VERTICAL
5	2483.50	46.39	54.00	-7.61	14.55	3.82	28.02	0.00	23	301	Average	VERTICAL
6	2484.00	60.85	74.00	-13.15	29.01	3.82	28.02	0.00	23	301	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2459.83	115.62			83.77	3.80	28.05	0.00	338	282	Peak	VERTICAL
2	2460.00	104.95			73.10	3.80	28.05	0.00	338	282	Average	VERTICAL
3	2483.83	52.75	54.00	-1.25	20.91	3.82	28.02	0.00	338	282	Average	VERTICAL
4	2484.33	70.78	74.00	-3.22	38.94	3.82	28.02	0.00	338	282	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 21, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2377.67	61.34	74.00	-12.66	29.44	3.73	28.17	0.00	332	279	Peak	VERTICAL
2	2390.00	52.60	54.00	-1.40	20.71	3.75	28.14	0.00	332	279	Average	VERTICAL
3	2410.50	104.02			72.14	3.76	28.12	0.00	332	279	Average	VERTICAL
4	2413.00	114.47			82.59	3.76	28.12	0.00	332	279	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2385.00	60.25	74.00	-13.75	28.35	3.73	28.17	0.00	30	291	Peak	VERTICAL
2	2390.00	46.55	54.00	-7.45	14.66	3.75	28.14	0.00	30	291	Average	VERTICAL
3	2435.67	117.61			85.74	3.77	28.10	0.00	30	291	Peak	VERTICAL
4	2438.00	107.39			75.53	3.79	28.07	0.00	30	291	Average	VERTICAL
5	2483.50	46.29	54.00	-7.71	14.45	3.82	28.02	0.00	30	291	Average	VERTICAL
6	2488.67	58.43	74.00	-15.57	26.60	3.83	28.00	0.00	30	291	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2460.33	103.30			71.45	3.80	28.05	0.00	327	293	Average	VERTICAL
2	2460.67	114.35			82.50	3.80	28.05	0.00	327	293	Peak	VERTICAL
3	2483.50	52.57	54.00	-1.43	20.73	3.82	28.02	0.00	327	293	Average	VERTICAL
4	2485.83	68.11	74.00	-5.89	36.27	3.82	28.02	0.00	327	293	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 21, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 2TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.33	72.55	74.00	-1.45	40.66	3.75	28.14	0.00	337	293	Peak	VERTICAL
2	2388.67	52.23	54.00	-1.77	20.34	3.75	28.14	0.00	337	293	Average	VERTICAL
3	2436.00	109.10			77.23	3.77	28.10	0.00	337	293	Peak	VERTICAL
4	2436.00	99.36			67.49	3.77	28.10	0.00	337	293	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.50	65.55	74.00	-8.45	33.66	3.75	28.14	0.00	333	294	Peak	VERTICAL
2	2390.00	50.87	54.00	-3.13	18.98	3.75	28.14	0.00	333	294	Average	VERTICAL
3	2433.50	109.20			77.33	3.77	28.10	0.00	333	294	Peak	VERTICAL
4	2435.50	99.77			67.90	3.77	28.10	0.00	333	294	Average	VERTICAL
5	2483.50	52.70	54.00	-1.30	20.86	3.82	28.02	0.00	333	294	Average	VERTICAL
6	2486.50	66.63	74.00	-7.37	34.79	3.82	28.02	0.00	333	294	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2438.33	107.93			76.07	3.79	28.07	0.00	335	296	Peak	VERTICAL
2	2438.33	98.78			66.92	3.79	28.07	0.00	335	296	Average	VERTICAL
3	2484.00	52.86	54.00	-1.14	21.02	3.82	28.02	0.00	335	296	Average	VERTICAL
4	2485.67	70.83	74.00	-3.17	38.99	3.82	28.02	0.00	335	296	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.33	61.99	74.00	-12.01	30.10	3.75	28.14	0.00	8	249	Peak	VERTICAL
2	2389.33	50.86	54.00	-3.14	18.97	3.75	28.14	0.00	8	249	Average	VERTICAL
3	2410.83	119.09			87.21	3.76	28.12	0.00	8	249	Peak	VERTICAL
4	2411.17	114.87			82.99	3.76	28.12	0.00	8	249	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2383.67	47.70	54.00	-6.30	15.80	3.73	28.17	0.00	14	248	Average	VERTICAL
2	2387.67	58.88	74.00	-15.12	26.99	3.75	28.14	0.00	14	248	Peak	VERTICAL
3	2436.00	119.92			88.05	3.77	28.10	0.00	14	248	Peak	VERTICAL
4	2436.33	115.85			83.98	3.77	28.10	0.00	14	248	Average	VERTICAL
5	2483.50	46.99	54.00	-7.01	15.15	3.82	28.02	0.00	14	248	Average	VERTICAL
6	2490.70	57.71	74.00	-16.29	25.88	3.83	28.00	0.00	14	248	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2460.83	120.44			88.59	3.80	28.05	0.00	10	245	Peak	VERTICAL
2	2461.17	116.18			84.33	3.80	28.05	0.00	10	245	Average	VERTICAL
3	2483.83	62.86	74.00	-11.14	31.02	3.82	28.02	0.00	10	245	Peak	VERTICAL
4	2486.50	52.78	54.00	-1.22	20.94	3.82	28.02	0.00	10	245	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.67	72.07	74.00	-1.93	40.18	3.75	28.14	0.00	9	268	Peak	VERTICAL
2	2390.00	52.95	54.00	-1.05	21.06	3.75	28.14	0.00	9	268	Average	VERTICAL
3	2413.50	119.40			87.52	3.76	28.12	0.00	9	268	Peak	VERTICAL
4	2413.67	108.77			76.89	3.76	28.12	0.00	9	268	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.67	64.52	74.00	-9.48	32.63	3.75	28.14	0.00	12	263	Peak	VERTICAL
2	2390.00	48.39	54.00	-5.61	16.50	3.75	28.14	0.00	12	263	Average	VERTICAL
3	2438.67	122.62			90.76	3.79	28.07	0.00	12	263	Peak	VERTICAL
4	2438.67	111.94			80.08	3.79	28.07	0.00	12	263	Average	VERTICAL
5	2484.00	47.87	54.00	-6.13	16.03	3.82	28.02	0.00	12	263	Average	VERTICAL
6	2484.33	63.98	74.00	-10.02	32.14	3.82	28.02	0.00	12	263	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2463.50	119.10			87.25	3.80	28.05	0.00	11	265	Peak	VERTICAL
2	2464.00	108.53			76.68	3.80	28.05	0.00	11	265	Average	VERTICAL
3	2483.50	52.74	54.00	-1.26	20.90	3.82	28.02	0.00	11	265	Average	VERTICAL
4	2484.67	72.36	74.00	-1.64	40.52	3.82	28.02	0.00	11	265	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.50	72.70	74.00	-1.30	40.81	3.75	28.14	0.00	22	297	Peak	VERTICAL
2	2389.83	52.39	54.00	-1.61	20.50	3.75	28.14	0.00	22	297	Average	VERTICAL
3	2410.17	116.62			84.74	3.76	28.12	0.00	22	297	Peak	VERTICAL
4	2410.17	106.88			75.00	3.76	28.12	0.00	22	297	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	63.67	74.00	-10.33	31.78	3.75	28.14	0.00	21	295	Peak	VERTICAL
2	2390.00	49.41	54.00	-4.59	17.52	3.75	28.14	0.00	21	295	Average	VERTICAL
3	2435.33	122.11			90.24	3.77	28.10	0.00	21	295	Peak	VERTICAL
4	2435.33	112.28			80.41	3.77	28.10	0.00	21	295	Average	VERTICAL
5	2484.33	49.70	54.00	-4.30	17.86	3.82	28.02	0.00	21	295	Average	VERTICAL
6	2485.33	65.42	74.00	-8.58	33.58	3.82	28.02	0.00	21	295	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2460.17	118.92			87.07	3.80	28.05	0.00	23	286	Peak	VERTICAL
2	2460.17	107.98			76.13	3.80	28.05	0.00	23	286	Average	VERTICAL
3	2484.33	72.75	74.00	-1.25	40.91	3.82	28.02	0.00	23	286	Peak	VERTICAL
4	2485.33	52.77	54.00	-1.23	20.93	3.82	28.02	0.00	23	286	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 22, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi / 3TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2386.00	71.10	74.00	-2.90	38.42	4.37	28.31	0.00	297	321	Peak	VERTICAL
2	2390.00	52.61	54.00	-1.39	19.89	4.41	28.31	0.00	297	321	Average	VERTICAL
3	2420.40	110.44			77.62	4.44	28.38	0.00	297	321	Peak	VERTICAL
4	2425.20	101.35			68.53	4.44	28.38	0.00	297	321	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2384.60	65.63	74.00	-8.37	32.98	4.37	28.28	0.00	252	313	Peak	VERTICAL
2	2390.00	52.15	54.00	-1.85	19.43	4.41	28.31	0.00	252	313	Average	VERTICAL
3	2442.60	111.21			78.32	4.48	28.41	0.00	252	313	Peak	VERTICAL
4	2443.00	101.72			68.83	4.48	28.41	0.00	252	313	Average	VERTICAL
5	2483.50	52.89	54.00	-1.11	19.91	4.51	28.47	0.00	252	313	Average	VERTICAL
6	2483.50	66.51	74.00	-7.49	33.53	4.51	28.47	0.00	252	313	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2442.40	110.91			78.02	4.48	28.41	0.00	256	321	Peak	VERTICAL
2	2442.80	101.12			68.23	4.48	28.41	0.00	256	321	Average	VERTICAL
3	2483.50	52.97	54.00	-1.03	19.99	4.51	28.47	0.00	256	321	Average	VERTICAL
4	2483.50	72.92	74.00	-1.08	39.94	4.51	28.47	0.00	256	321	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.20	64.11	74.00	-9.89	32.22	3.75	28.14	0.00	178	258	Peak	VERTICAL
2	2389.40	52.82	54.00	-1.18	20.93	3.75	28.14	0.00	178	258	Average	VERTICAL
3	2411.00	122.11			90.23	3.76	28.12	0.00	178	258	Peak	VERTICAL
4	2411.20	118.21			86.33	3.76	28.12	0.00	178	258	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2380.60	58.84	74.00	-15.16	26.94	3.73	28.17	0.00	135	257	Peak	VERTICAL
2	2390.00	46.32	54.00	-7.68	14.43	3.75	28.14	0.00	135	257	Average	VERTICAL
3	2436.20	120.81			88.94	3.77	28.10	0.00	135	257	Peak	VERTICAL
4	2436.20	116.65			84.78	3.77	28.10	0.00	135	257	Average	VERTICAL
5	2483.50	45.73	54.00	-8.27	13.89	3.82	28.02	0.00	135	257	Average	VERTICAL
6	2489.80	58.31	74.00	-15.69	26.48	3.83	28.00	0.00	135	257	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.20	119.53			87.68	3.80	28.05	0.00	225	244	Peak	VERTICAL
2	2461.20	115.78			83.93	3.80	28.05	0.00	225	244	Average	VERTICAL
3	2486.40	61.81	74.00	-12.19	29.97	3.82	28.02	0.00	225	244	Peak	VERTICAL
4	2486.80	52.22	54.00	-1.78	20.38	3.82	28.02	0.00	225	244	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11 g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.60	71.37	74.00	-2.63	39.48	3.75	28.14	0.00	77	257	Peak	VERTICAL
2	2390.00	52.73	54.00	-1.27	20.84	3.75	28.14	0.00	77	257	Average	VERTICAL
3	2410.40	119.56			87.68	3.76	28.12	0.00	77	257	Peak	VERTICAL
4	2410.40	109.06			77.18	3.76	28.12	0.00	77	257	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.40	63.08	74.00	-10.92	31.19	3.75	28.14	0.00	75	248	Peak	VERTICAL
2	2390.00	49.11	54.00	-4.89	17.22	3.75	28.14	0.00	75	248	Average	VERTICAL
3	2434.60	122.71			90.84	3.77	28.10	0.00	75	248	Peak	VERTICAL
4	2435.00	112.26			80.39	3.77	28.10	0.00	75	248	Average	VERTICAL
5	2483.50	45.68	54.00	-8.32	13.84	3.82	28.02	0.00	75	248	Average	VERTICAL
6	2486.20	59.98	74.00	-14.02	28.14	3.82	28.02	0.00	75	248	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2463.80	108.23			76.38	3.80	28.05	0.00	221	268	Average	VERTICAL
2	2464.40	118.60			86.75	3.80	28.05	0.00	221	268	Peak	VERTICAL
3	2483.50	52.76	54.00	-1.24	20.92	3.82	28.02	0.00	221	268	Average	VERTICAL
4	2484.40	72.26	74.00	-1.74	40.42	3.82	28.02	0.00	221	268	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.00	68.90	74.00	-5.10	37.01	3.75	28.14	0.00	187	250	Peak	VERTICAL
2	2390.00	51.00	54.00	-3.00	19.11	3.75	28.14	0.00	187	250	Average	VERTICAL
3	2411.20	119.53			87.65	3.76	28.12	0.00	187	250	Peak	VERTICAL
4	2411.20	109.31			77.43	3.76	28.12	0.00	187	250	Average	VERTICAL
5	2487.60	60.10	74.00	-13.90	28.27	3.83	28.00	0.00	187	250	Peak	VERTICAL
6	2487.60	52.83	54.00	-1.17	21.00	3.83	28.00	0.00	187	250	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.80	65.69	74.00	-8.31	33.80	3.75	28.14	0.00	187	256	Peak	VERTICAL
2	2390.00	48.68	54.00	-5.32	16.79	3.75	28.14	0.00	187	256	Average	VERTICAL
3	2435.80	113.17			81.30	3.77	28.10	0.00	187	256	Average	VERTICAL
4	2436.20	124.13			92.26	3.77	28.10	0.00	187	256	Peak	VERTICAL
5	2483.50	47.49	54.00	-6.51	15.65	3.82	28.02	0.00	187	256	Average	VERTICAL
6	2486.20	63.63	74.00	-10.37	31.79	3.82	28.02	0.00	187	256	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.20	119.56			87.71	3.80	28.05	0.00	144	276	Peak	VERTICAL
2	2461.20	109.01			77.16	3.80	28.05	0.00	144	276	Average	VERTICAL
3	2484.80	71.21	74.00	-2.79	39.37	3.82	28.02	0.00	144	276	Peak	VERTICAL
4	2486.40	52.84	54.00	-1.16	21.00	3.82	28.02	0.00	144	276	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 20, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 1 (Set 3 Dipole antenna / 3.83dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2387.60	52.84	54.00	-1.16	20.16	4.37	28.31	0.00	257	322	Average	VERTICAL
2	2388.40	70.18	74.00	-3.82	37.50	4.37	28.31	0.00	257	322	Peak	VERTICAL
3	2428.00	101.05			68.23	4.44	28.38	0.00	257	322	Average	VERTICAL
4	2432.80	111.16			78.34	4.44	28.38	0.00	257	322	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2387.40	52.64	54.00	-1.36	19.96	4.37	28.31	0.00	261	320	Average	VERTICAL
2	2387.80	69.38	74.00	-4.62	36.70	4.37	28.31	0.00	261	320	Peak	VERTICAL
3	2432.60	101.92			69.10	4.44	28.38	0.00	261	320	Average	VERTICAL
4	2432.60	111.34			78.52	4.44	28.38	0.00	261	320	Peak	VERTICAL
5	2483.50	52.19	54.00	-1.81	19.21	4.51	28.47	0.00	261	320	Average	VERTICAL
6	2486.60	66.21	74.00	-7.79	33.23	4.51	28.47	0.00	261	320	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	2436.80	111.12			78.27	4.44	28.41	0.00	299	21	Peak	VERTICAL
2	2444.80	101.26			68.37	4.48	28.41	0.00	299	21	Average	VERTICAL
3	2485.10	72.41	74.00	-1.59	39.43	4.51	28.47	0.00	299	21	Peak	VERTICAL
4	2485.60	52.46	54.00	-1.54	19.48	4.51	28.47	0.00	299	21	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi *1 / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.50	58.41	74.00	-15.59	26.52	3.75	28.14	0.00	332	237	Peak	VERTICAL
2	2390.00	47.31	54.00	-6.69	15.42	3.75	28.14	0.00	332	237	Average	VERTICAL
3	2411.17	107.96			76.08	3.76	28.12	0.00	332	237	Average	VERTICAL
4	2413.00	111.87			79.99	3.76	28.12	0.00	332	237	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2347.33	45.82	54.00	-8.18	13.89	3.71	28.22	0.00	142	256	Average	VERTICAL
2	2358.67	56.47	74.00	-17.53	24.56	3.72	28.19	0.00	142	256	Peak	VERTICAL
3	2436.00	112.93			81.06	3.77	28.10	0.00	142	256	Peak	VERTICAL
4	2436.33	109.14			77.27	3.77	28.10	0.00	142	256	Average	VERTICAL
5	2483.50	44.74	54.00	-9.26	12.90	3.82	28.02	0.00	142	256	Average	VERTICAL
6	2486.30	56.53	74.00	-17.47	24.69	3.82	28.02	0.00	142	256	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.17	108.53			76.68	3.80	28.05	0.00	336	250	Average	VERTICAL
2	2463.00	112.42			80.57	3.80	28.05	0.00	336	250	Peak	VERTICAL
3	2486.33	60.11	74.00	-13.89	28.27	3.82	28.02	0.00	336	250	Peak	VERTICAL
4	2486.67	49.22	54.00	-4.78	17.38	3.82	28.02	0.00	336	250	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi *1 / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.50	68.15	74.00	-5.85	36.26	3.75	28.14	0.00	211	199	Peak	VERTICAL
2	2390.00	52.66	54.00	-1.34	20.77	3.75	28.14	0.00	211	199	Average	VERTICAL
3	2410.33	111.28			79.40	3.76	28.12	0.00	211	199	Peak	VERTICAL
4	2413.17	101.10			69.22	3.76	28.12	0.00	211	199	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2383.67	45.93	54.00	-8.07	14.03	3.73	28.17	0.00	134	211	Average	VERTICAL
2	2390.00	58.77	74.00	-15.23	26.88	3.75	28.14	0.00	134	211	Peak	VERTICAL
3	2436.00	115.22			83.35	3.77	28.10	0.00	134	211	Peak	VERTICAL
4	2436.00	104.81			72.94	3.77	28.10	0.00	134	211	Average	VERTICAL
5	2483.50	45.99	54.00	-8.01	14.15	3.82	28.02	0.00	134	211	Average	VERTICAL
6	2485.00	58.12	74.00	-15.88	26.28	3.82	28.02	0.00	134	211	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2460.17	112.85			81.00	3.80	28.05	0.00	134	284	Peak	VERTICAL
2	2461.00	102.52			70.67	3.80	28.05	0.00	134	284	Average	VERTICAL
3	2483.50	67.72	74.00	-6.28	35.88	3.82	28.02	0.00	134	284	Peak	VERTICAL
4	2483.50	52.66	54.00	-1.34	20.82	3.82	28.02	0.00	134	284	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi *1 / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.67	69.66	74.00	-4.34	37.77	3.75	28.14	0.00	327	245	Peak	VERTICAL
2	2390.00	52.51	54.00	-1.49	20.62	3.75	28.14	0.00	327	245	Average	VERTICAL
3	2413.17	111.02			79.14	3.76	28.12	0.00	327	245	Peak	VERTICAL
4	2413.17	100.92			69.04	3.76	28.12	0.00	327	245	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2347.33	46.13	54.00	-7.87	14.20	3.71	28.22	0.00	139	244	Average	VERTICAL
2	2390.00	57.97	74.00	-16.03	26.08	3.75	28.14	0.00	139	244	Peak	VERTICAL
3	2435.67	104.29			72.42	3.77	28.10	0.00	139	244	Average	VERTICAL
4	2438.67	115.21			83.35	3.79	28.07	0.00	139	244	Peak	VERTICAL
5	2483.50	45.84	54.00	-8.16	14.00	3.82	28.02	0.00	139	244	Average	VERTICAL
6	2495.00	57.36	74.00	-16.64	25.53	3.83	28.00	0.00	139	244	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.00	101.42			69.57	3.80	28.05	0.00	330	216	Average	VERTICAL
2	2463.67	111.40			79.55	3.80	28.05	0.00	330	216	Peak	VERTICAL
3	2483.67	72.72	74.00	-1.28	40.88	3.82	28.02	0.00	330	216	Peak	VERTICAL
4	2483.67	52.13	54.00	-1.87	20.29	3.82	28.02	0.00	330	216	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015 ~ Oct. 20, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi *1 / 1TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.67	52.63	54.00	-1.37	20.74	3.75	28.14	0.00	141	241	Average	VERTICAL
2	2390.00	72.35	74.00	-1.65	40.46	3.75	28.14	0.00	141	241	Peak	VERTICAL
3	2436.67	106.38			74.52	3.79	28.07	0.00	141	241	Peak	VERTICAL
4	2436.67	96.86			65.00	3.79	28.07	0.00	141	241	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.50	50.80	54.00	-3.20	18.91	3.75	28.14	0.00	205	245	Average	VERTICAL
2	2390.00	63.48	74.00	-10.52	31.59	3.75	28.14	0.00	205	245	Peak	VERTICAL
3	2426.50	106.88			75.01	3.77	28.10	0.00	205	245	Peak	VERTICAL
4	2430.50	96.93			65.06	3.77	28.10	0.00	205	245	Average	VERTICAL
5	2483.50	69.75	74.00	-4.25	37.91	3.82	28.02	0.00	205	245	Peak	VERTICAL
6	2484.00	52.79	54.00	-1.21	20.95	3.82	28.02	0.00	205	245	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2438.00	105.87			74.01	3.79	28.07	0.00	130	242	Peak	VERTICAL
2	2438.00	95.97			64.11	3.79	28.07	0.00	130	242	Average	VERTICAL
3	2486.00	52.54	54.00	-1.46	20.70	3.82	28.02	0.00	130	242	Average	VERTICAL
4	2487.00	70.09	74.00	-3.91	38.25	3.82	28.02	0.00	130	242	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2 / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.40	47.85	54.00	-6.15	15.96	3.75	28.14	0.00	329	221	Average	VERTICAL
2	2390.00	58.97	74.00	-15.03	27.08	3.75	28.14	0.00	329	221	Peak	VERTICAL
3	2411.20	112.26			80.38	3.76	28.12	0.00	329	221	Average	VERTICAL
4	2413.00	116.30			84.42	3.76	28.12	0.00	329	221	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2363.00	57.27	74.00	-16.73	25.36	3.72	28.19	0.00	208	218	Peak	VERTICAL
2	2383.80	45.50	54.00	-8.50	13.60	3.73	28.17	0.00	208	218	Average	VERTICAL
3	2436.20	117.69			85.82	3.77	28.10	0.00	208	218	Peak	VERTICAL
4	2436.20	113.86			81.99	3.77	28.10	0.00	208	218	Average	VERTICAL
5	2486.20	45.41	54.00	-8.59	13.57	3.82	28.02	0.00	208	218	Average	VERTICAL
6	2493.40	57.49	74.00	-16.51	25.66	3.83	28.00	0.00	208	218	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.20	118.52			86.67	3.80	28.05	0.00	208	214	Peak	VERTICAL
2	2461.20	114.63			82.78	3.80	28.05	0.00	208	214	Average	VERTICAL
3	2486.20	62.35	74.00	-11.65	30.51	3.82	28.02	0.00	208	214	Peak	VERTICAL
4	2486.60	52.24	54.00	-1.76	20.40	3.82	28.02	0.00	208	214	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2 / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2387.80	66.75	74.00	-7.25	34.86	3.75	28.14	0.00	204	226	Peak	VERTICAL
2	2388.40	52.74	54.00	-1.26	20.85	3.75	28.14	0.00	204	226	Average	VERTICAL
3	2412.80	104.86			72.98	3.76	28.12	0.00	204	226	Average	VERTICAL
4	2413.00	114.95			83.07	3.76	28.12	0.00	204	226	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2385.40	59.16	74.00	-14.84	27.26	3.73	28.17	0.00	207	203	Peak	VERTICAL
2	2390.00	46.33	54.00	-7.67	14.44	3.75	28.14	0.00	207	203	Average	VERTICAL
3	2435.80	118.78			86.91	3.77	28.10	0.00	207	203	Peak	VERTICAL
4	2435.80	108.76			76.89	3.77	28.10	0.00	207	203	Average	VERTICAL
5	2486.20	63.45	74.00	-10.55	31.61	3.82	28.02	0.00	207	203	Peak	VERTICAL
6	2486.20	46.56	54.00	-7.44	14.72	3.82	28.02	0.00	207	203	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2459.20	116.07			84.22	3.80	28.05	0.00	134	222	Peak	VERTICAL
2	2459.60	105.46			73.61	3.80	28.05	0.00	134	222	Average	VERTICAL
3	2484.20	69.50	74.00	-4.50	37.66	3.82	28.02	0.00	134	222	Peak	VERTICAL
4	2484.40	52.76	54.00	-1.24	20.92	3.82	28.02	0.00	134	222	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2 / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2387.80	69.13	74.00	-4.87	37.24	3.75	28.14	0.00	143	220	Peak	VERTICAL
2	2390.00	52.56	54.00	-1.44	20.67	3.75	28.14	0.00	143	220	Average	VERTICAL
3	2413.40	104.18			72.30	3.76	28.12	0.00	143	220	Average	VERTICAL
4	2413.80	114.80			82.92	3.76	28.12	0.00	143	220	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.40	62.94	74.00	-11.06	31.05	3.75	28.14	0.00	204	229	Peak	VERTICAL
2	2390.00	46.43	54.00	-7.57	14.54	3.75	28.14	0.00	204	229	Average	VERTICAL
3	2434.60	117.18			85.31	3.77	28.10	0.00	204	229	Peak	VERTICAL
4	2434.60	107.24			75.37	3.77	28.10	0.00	204	229	Average	VERTICAL
5	2483.50	46.59	54.00	-7.41	14.75	3.82	28.02	0.00	204	229	Average	VERTICAL
6	2485.00	58.50	74.00	-15.50	26.66	3.82	28.02	0.00	204	229	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.00	104.19			72.34	3.80	28.05	0.00	138	228	Average	VERTICAL
2	2463.40	114.99			83.14	3.80	28.05	0.00	138	228	Peak	VERTICAL
3	2483.50	52.50	54.00	-1.50	20.66	3.82	28.02	0.00	138	228	Average	VERTICAL
4	2484.20	72.95	74.00	-1.05	41.11	3.82	28.02	0.00	138	228	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2 / 2TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.80	68.60	74.00	-5.40	36.71	3.75	28.14	0.00	207	224	Peak	VERTICAL
2	2389.60	52.57	54.00	-1.43	20.68	3.75	28.14	0.00	207	224	Average	VERTICAL
3	2424.80	99.75			67.88	3.77	28.10	0.00	207	224	Average	VERTICAL
4	2427.20	109.51			77.64	3.77	28.10	0.00	207	224	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.00	64.51	74.00	-9.49	32.62	3.75	28.14	0.00	207	204	Peak	VERTICAL
2	2389.00	50.74	54.00	-3.26	18.85	3.75	28.14	0.00	207	204	Average	VERTICAL
3	2431.60	100.04			68.17	3.77	28.10	0.00	207	204	Average	VERTICAL
4	2434.00	109.84			77.97	3.77	28.10	0.00	207	204	Peak	VERTICAL
5	2483.50	52.78	54.00	-1.22	20.94	3.82	28.02	0.00	207	204	Average	VERTICAL
6	2484.40	68.35	74.00	-5.65	36.51	3.82	28.02	0.00	207	204	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2438.80	98.98			67.12	3.79	28.07	0.00	137	239	Average	VERTICAL
2	2441.60	108.21			76.35	3.79	28.07	0.00	137	239	Peak	VERTICAL
3	2484.80	52.57	54.00	-1.43	20.73	3.82	28.02	0.00	137	239	Average	VERTICAL
4	2487.20	70.05	74.00	-3.95	38.21	3.82	28.02	0.00	137	239	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	57.28	74.00	-16.72	25.39	3.75	28.14	0.00	323	221	Peak	VERTICAL
2	2390.00	46.78	54.00	-7.22	14.89	3.75	28.14	0.00	323	221	Average	VERTICAL
3	2411.20	111.47			79.59	3.76	28.12	0.00	323	221	Average	VERTICAL
4	2413.00	115.45			83.57	3.76	28.12	0.00	323	221	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2383.80	45.12	54.00	-8.88	13.22	3.73	28.17	0.00	206	221	Average	VERTICAL
2	2387.80	56.11	74.00	-17.89	24.22	3.75	28.14	0.00	206	221	Peak	VERTICAL
3	2436.20	116.59			84.72	3.77	28.10	0.00	206	221	Peak	VERTICAL
4	2436.20	112.70			80.83	3.77	28.10	0.00	206	221	Average	VERTICAL
5	2485.90	44.98	54.00	-9.02	13.14	3.82	28.02	0.00	206	221	Average	VERTICAL
6	2486.30	57.35	74.00	-16.65	25.51	3.82	28.02	0.00	206	221	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.20	117.30			85.45	3.80	28.05	0.00	332	221	Peak	VERTICAL
2	2461.20	113.62			81.77	3.80	28.05	0.00	332	221	Average	VERTICAL
3	2486.40	51.49	54.00	-2.51	19.65	3.82	28.02	0.00	332	221	Average	VERTICAL
4	2487.60	60.85	74.00	-13.15	29.02	3.83	28.00	0.00	332	221	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	72.01	74.00	-1.99	40.12	3.75	28.14	0.00	140	223	Peak	VERTICAL
2	2390.00	52.70	54.00	-1.30	20.81	3.75	28.14	0.00	140	223	Average	VERTICAL
3	2410.40	104.06			72.18	3.76	28.12	0.00	140	223	Average	VERTICAL
4	2410.80	114.01			82.13	3.76	28.12	0.00	140	223	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2363.00	46.76	54.00	-7.24	14.85	3.72	28.19	0.00	134	238	Average	VERTICAL
2	2390.00	58.47	74.00	-15.53	26.58	3.75	28.14	0.00	134	238	Peak	VERTICAL
3	2436.20	117.45			85.58	3.77	28.10	0.00	134	238	Peak	VERTICAL
4	2436.20	108.65			76.78	3.77	28.10	0.00	134	238	Average	VERTICAL
5	2486.60	62.43	74.00	-11.57	30.59	3.82	28.02	0.00	134	238	Peak	VERTICAL
6	2487.50	46.37	54.00	-7.63	14.54	3.83	28.00	0.00	134	238	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2462.80	101.16			69.31	3.80	28.05	0.00	307	221	Average	HORIZONTAL
2	2463.20	111.43			79.58	3.80	28.05	0.00	307	221	Peak	HORIZONTAL
3	2483.50	52.73	54.00	-1.27	20.89	3.82	28.02	0.00	307	221	Average	HORIZONTAL
4	2484.00	69.33	74.00	-4.67	37.49	3.82	28.02	0.00	307	221	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.60	69.34	74.00	-4.66	37.45	3.75	28.14	0.00	140	226	Peak	VERTICAL
2	2390.00	52.74	54.00	-1.26	20.85	3.75	28.14	0.00	140	226	Average	VERTICAL
3	2410.80	113.36			81.48	3.76	28.12	0.00	140	226	Peak	VERTICAL
4	2410.80	104.04			72.16	3.76	28.12	0.00	140	226	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	61.74	74.00	-12.26	29.85	3.75	28.14	0.00	140	228	Peak	VERTICAL
2	2390.00	47.16	54.00	-6.84	15.27	3.75	28.14	0.00	140	228	Average	VERTICAL
3	2435.80	108.55			76.68	3.77	28.10	0.00	140	228	Average	VERTICAL
4	2436.20	117.43			85.56	3.77	28.10	0.00	140	228	Peak	VERTICAL
5	2485.40	60.51	74.00	-13.49	28.67	3.82	28.02	0.00	140	228	Peak	VERTICAL
6	2486.30	46.87	54.00	-7.13	15.03	3.82	28.02	0.00	140	228	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2462.40	104.15			72.30	3.80	28.05	0.00	323	225	Average	VERTICAL
2	2462.80	114.07			82.22	3.80	28.05	0.00	323	225	Peak	VERTICAL
3	2483.50	70.21	74.00	-3.79	38.37	3.82	28.02	0.00	323	225	Peak	VERTICAL
4	2483.50	52.98	54.00	-1.02	21.14	3.82	28.02	0.00	323	225	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 / 3TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2385.60	72.41	74.00	-1.59	40.52	3.75	28.14	0.00	140	225	Peak	VERTICAL
2	2390.00	52.85	54.00	-1.15	20.96	3.75	28.14	0.00	140	225	Average	VERTICAL
3	2425.60	99.64			67.77	3.77	28.10	0.00	140	225	Average	VERTICAL
4	2430.80	109.03			77.16	3.77	28.10	0.00	140	225	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2387.80	50.06	54.00	-3.94	18.17	3.75	28.14	0.00	331	232	Average	VERTICAL
2	2388.60	65.81	74.00	-8.19	33.92	3.75	28.14	0.00	331	232	Peak	VERTICAL
3	2422.20	99.82			67.95	3.77	28.10	0.00	331	232	Average	VERTICAL
4	2422.60	109.00			77.13	3.77	28.10	0.00	331	232	Peak	VERTICAL
5	2483.50	70.78	74.00	-3.22	38.94	3.82	28.02	0.00	331	232	Peak	VERTICAL
6	2483.50	52.92	54.00	-1.08	21.08	3.82	28.02	0.00	331	232	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2439.60	108.25			76.39	3.79	28.07	0.00	328	196	Peak	VERTICAL
2	2444.80	98.85			66.99	3.79	28.07	0.00	328	196	Average	VERTICAL
3	2485.20	69.54	74.00	-4.46	37.70	3.82	28.02	0.00	328	196	Peak	VERTICAL
4	2485.60	52.79	54.00	-1.21	20.95	3.82	28.02	0.00	328	196	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.20	50.33	54.00	-3.67	18.44	3.75	28.14	0.00	51	218	Average	HORIZONTAL
2	2389.40	60.74	74.00	-13.26	28.85	3.75	28.14	0.00	51	218	Peak	HORIZONTAL
3	2411.00	116.63			84.75	3.76	28.12	0.00	51	218	Peak	HORIZONTAL
4	2411.20	113.02			81.14	3.76	28.12	0.00	51	218	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2387.40	45.70	54.00	-8.30	13.81	3.75	28.14	0.00	52	229	Average	HORIZONTAL
2	2388.60	57.65	74.00	-16.35	25.76	3.75	28.14	0.00	52	229	Peak	HORIZONTAL
3	2436.20	116.37			84.50	3.77	28.10	0.00	52	229	Peak	HORIZONTAL
4	2436.20	112.72			80.85	3.77	28.10	0.00	52	229	Average	HORIZONTAL
5	2485.00	44.76	54.00	-9.24	12.92	3.82	28.02	0.00	52	229	Average	HORIZONTAL
6	2493.80	56.61	74.00	-17.39	24.78	3.83	28.00	0.00	52	229	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.20	117.89			86.04	3.80	28.05	0.00	325	218	Peak	VERTICAL
2	2461.20	114.21			82.36	3.80	28.05	0.00	325	218	Average	VERTICAL
3	2486.80	51.11	54.00	-2.89	19.27	3.82	28.02	0.00	325	218	Average	VERTICAL
4	2487.00	60.52	74.00	-13.48	28.68	3.82	28.02	0.00	325	218	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2385.20	70.54	74.00	-3.46	38.64	3.73	28.17	0.00	55	236	Peak	HORIZONTAL
2	2390.00	52.99	54.00	-1.01	21.10	3.75	28.14	0.00	55	236	Average	HORIZONTAL
3	2413.60	116.37			84.49	3.76	28.12	0.00	55	236	Peak	HORIZONTAL
4	2413.60	105.91			74.03	3.76	28.12	0.00	55	236	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.80	46.41	54.00	-7.59	14.52	3.75	28.14	0.00	49	228	Average	HORIZONTAL
2	2390.00	60.38	74.00	-13.62	28.49	3.75	28.14	0.00	49	228	Peak	HORIZONTAL
3	2437.80	107.56			75.70	3.79	28.07	0.00	49	228	Average	HORIZONTAL
4	2438.60	116.60			84.74	3.79	28.07	0.00	49	228	Peak	HORIZONTAL
5	2484.60	45.29	54.00	-8.71	13.45	3.82	28.02	0.00	49	228	Average	HORIZONTAL
6	2486.20	58.10	74.00	-15.90	26.26	3.82	28.02	0.00	49	228	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2462.80	115.24			83.39	3.80	28.05	0.00	323	224	Peak	VERTICAL
2	2462.80	105.47			73.62	3.80	28.05	0.00	323	224	Average	VERTICAL
3	2483.50	52.76	54.00	-1.24	20.92	3.82	28.02	0.00	323	224	Average	VERTICAL
4	2484.00	72.23	74.00	-1.77	40.39	3.82	28.02	0.00	323	224	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.80	70.37	74.00	-3.63	38.48	3.75	28.14	0.00	54	238	Peak	HORIZONTAL
2	2389.20	52.83	54.00	-1.17	20.94	3.75	28.14	0.00	54	238	Average	HORIZONTAL
3	2408.40	115.17			83.29	3.76	28.12	0.00	54	238	Peak	HORIZONTAL
4	2412.80	103.99			72.11	3.76	28.12	0.00	54	238	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.00	46.46	54.00	-7.54	14.57	3.75	28.14	0.00	131	229	Average	VERTICAL
2	2389.40	62.30	74.00	-11.70	30.41	3.75	28.14	0.00	131	229	Peak	VERTICAL
3	2435.40	107.47			75.60	3.77	28.10	0.00	131	229	Average	VERTICAL
4	2435.80	117.12			85.25	3.77	28.10	0.00	131	229	Peak	VERTICAL
5	2485.10	46.49	54.00	-7.51	14.65	3.82	28.02	0.00	131	229	Average	VERTICAL
6	2489.80	61.26	74.00	-12.74	29.43	3.83	28.00	0.00	131	229	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2459.60	102.28			70.43	3.80	28.05	0.00	288	246	Average	HORIZONTAL
2	2464.40	113.42			81.57	3.80	28.05	0.00	288	246	Peak	HORIZONTAL
3	2483.50	52.81	54.00	-1.19	20.97	3.82	28.02	0.00	288	246	Average	HORIZONTAL
4	2484.00	71.17	74.00	-2.83	39.33	3.82	28.02	0.00	288	246	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 19, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 2 (Set 5 Polarized Dipole antenna / (1A)2.53dBi*2, (1B)3.93dBi*1 + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2385.20	66.95	74.00	-7.05	35.05	3.73	28.17	0.00	55	286	Peak	HORIZONTAL
2	2390.00	52.80	54.00	-1.20	20.91	3.75	28.14	0.00	55	286	Average	HORIZONTAL
3	2405.20	109.13			77.25	3.76	28.12	0.00	55	286	Peak	HORIZONTAL
4	2415.20	98.17			66.29	3.76	28.12	0.00	55	286	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.20	52.73	54.00	-1.27	20.84	3.75	28.14	0.00	52	233	Average	HORIZONTAL
2	2389.00	67.08	74.00	-6.92	35.19	3.75	28.14	0.00	52	233	Peak	HORIZONTAL
3	2422.20	109.95			78.08	3.77	28.10	0.00	52	233	Peak	HORIZONTAL
4	2423.00	99.38			67.51	3.77	28.10	0.00	52	233	Average	HORIZONTAL
5	2483.50	49.72	54.00	-4.28	17.88	3.82	28.02	0.00	52	233	Average	HORIZONTAL
6	2483.80	63.73	74.00	-10.27	31.89	3.82	28.02	0.00	52	233	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2438.40	99.52			67.66	3.79	28.07	0.00	131	207	Average	VERTICAL
2	2438.80	108.49			76.63	3.79	28.07	0.00	131	207	Peak	VERTICAL
3	2483.50	72.63	74.00	-1.37	40.79	3.82	28.02	0.00	131	207	Peak	VERTICAL
4	2484.80	52.57	54.00	-1.43	20.73	3.82	28.02	0.00	131	207	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 14, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	60.72	74.00	-13.28	28.83	3.75	28.14	0.00	32	191	Peak	VERTICAL
2	2390.00	50.24	54.00	-3.76	18.35	3.75	28.14	0.00	32	191	Average	VERTICAL
3	2411.03	114.69			82.81	3.76	28.12	0.00	32	191	Peak	VERTICAL
4	2411.25	110.65			78.77	3.76	28.12	0.00	32	191	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.60	55.10	74.00	-18.90	23.21	3.75	28.14	0.00	32	191	Peak	VERTICAL
2	2390.00	44.89	54.00	-9.11	13.00	3.75	28.14	0.00	32	191	Average	VERTICAL
3	2436.00	112.54			80.67	3.77	28.10	0.00	32	191	Peak	VERTICAL
4	2436.18	108.50			76.63	3.77	28.10	0.00	32	191	Average	VERTICAL
5	2483.50	44.79	54.00	-9.21	12.95	3.82	28.02	0.00	32	191	Average	VERTICAL
6	2484.70	56.93	74.00	-17.07	25.09	3.82	28.02	0.00	32	191	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.03	113.10			81.25	3.80	28.05	0.00	32	191	Peak	VERTICAL
2	2461.18	109.13			77.28	3.80	28.05	0.00	32	191	Average	VERTICAL
3	2486.30	50.13	54.00	-3.87	18.29	3.82	28.02	0.00	32	191	Average	VERTICAL
4	2486.95	61.67	74.00	-12.33	29.83	3.82	28.02	0.00	32	191	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 14, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.60	67.36	74.00	-6.64	35.47	3.75	28.14	0.00	32	191	Peak	VERTICAL
2	2390.00	52.79	54.00	-1.21	20.90	3.75	28.14	0.00	32	191	Average	VERTICAL
3	2410.98	112.52			80.64	3.76	28.12	0.00	32	191	Peak	VERTICAL
4	2411.08	102.19			70.31	3.76	28.12	0.00	32	191	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2387.20	61.03	74.00	-12.97	29.14	3.75	28.14	0.00	32	191	Peak	VERTICAL
2	2390.00	46.09	54.00	-7.91	14.20	3.75	28.14	0.00	32	191	Average	VERTICAL
3	2435.60	103.95			72.08	3.77	28.10	0.00	32	191	Average	VERTICAL
4	2436.20	114.54			82.67	3.77	28.10	0.00	32	191	Peak	VERTICAL
5	2483.50	45.90	54.00	-8.10	14.06	3.82	28.02	0.00	32	191	Average	VERTICAL
6	2485.90	59.53	74.00	-14.47	27.69	3.82	28.02	0.00	32	191	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2463.10	102.26			70.41	3.80	28.05	0.00	338	160	Average	VERTICAL
2	2463.60	112.29			80.44	3.80	28.05	0.00	338	160	Peak	VERTICAL
3	2483.50	68.22	74.00	-5.78	36.38	3.82	28.02	0.00	338	160	Peak	VERTICAL
4	2483.50	52.66	54.00	-1.34	20.82	3.82	28.02	0.00	338	160	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 14, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.20	70.70	74.00	-3.30	38.81	3.75	28.14	0.00	333	205	Peak	VERTICAL
2	2390.00	52.95	54.00	-1.05	21.06	3.75	28.14	0.00	333	205	Average	VERTICAL
3	2410.80	111.47			79.59	3.76	28.12	0.00	333	205	Peak	VERTICAL
4	2411.20	101.12			69.24	3.76	28.12	0.00	333	205	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	59.18	74.00	-14.82	27.29	3.75	28.14	0.00	340	196	Peak	VERTICAL
2	2390.00	45.54	54.00	-8.46	13.65	3.75	28.14	0.00	340	196	Average	VERTICAL
3	2435.00	113.44			81.57	3.77	28.10	0.00	340	196	Peak	VERTICAL
4	2435.40	102.57			70.70	3.77	28.10	0.00	340	196	Average	VERTICAL
5	2483.50	45.13	54.00	-8.87	13.29	3.82	28.02	0.00	340	196	Average	VERTICAL
6	2483.80	57.81	74.00	-16.19	25.97	3.82	28.02	0.00	340	196	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2460.80	100.61			68.76	3.80	28.05	0.00	338	171	Average	VERTICAL
2	2462.00	111.42			79.57	3.80	28.05	0.00	338	171	Peak	VERTICAL
3	2483.50	52.97	54.00	-1.03	21.13	3.82	28.02	0.00	338	171	Average	VERTICAL
4	2484.00	72.23	74.00	-1.77	40.39	3.82	28.02	0.00	338	171	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 14, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 1TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.40	72.24	74.00	-1.76	40.35	3.75	28.14	0.00	333	187	Peak	VERTICAL
2	2390.00	52.79	54.00	-1.21	20.90	3.75	28.14	0.00	333	187	Average	VERTICAL
3	2406.00	105.95			74.07	3.76	28.12	0.00	333	187	Peak	VERTICAL
4	2413.60	96.07			64.19	3.76	28.12	0.00	333	187	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.60	66.32	74.00	-7.68	34.43	3.75	28.14	0.00	338	172	Peak	VERTICAL
2	2390.00	52.81	54.00	-1.19	20.92	3.75	28.14	0.00	338	172	Average	VERTICAL
3	2423.40	107.66			75.79	3.77	28.10	0.00	338	172	Peak	VERTICAL
4	2445.40	97.33			65.47	3.79	28.07	0.00	338	172	Average	VERTICAL
5	2483.80	52.93	54.00	-1.07	21.09	3.82	28.02	0.00	338	172	Average	VERTICAL
6	2485.00	69.59	74.00	-4.41	37.75	3.82	28.02	0.00	338	172	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2445.60	95.90			64.04	3.79	28.07	0.00	337	172	Average	VERTICAL
2	2454.40	106.26			74.41	3.80	28.05	0.00	337	172	Peak	VERTICAL
3	2484.40	52.99	54.00	-1.01	21.15	3.82	28.02	0.00	337	172	Average	VERTICAL
4	2488.80	72.97	74.00	-1.03	41.14	3.83	28.00	0.00	337	172	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 13, 2015 ~ Oct. 14, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2389.20	50.38	54.00	-3.62	18.12	5.23	0.00	27.03	VERTICAL	175	359	Average
2	2389.60	60.99	74.00	-13.01	28.73	5.23	0.00	27.03	VERTICAL	175	359	Peak
3	2411.20	114.02			81.65	5.27	0.00	27.10	VERTICAL	175	359	Average
4	2411.20	117.83			85.46	5.27	0.00	27.10	VERTICAL	175	359	Peak

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2386.20	57.60	74.00	-16.40	25.34	5.23	0.00	27.03	VERTICAL	175	328	Peak
2	2390.00	45.31	54.00	-8.69	13.05	5.23	0.00	27.03	VERTICAL	175	328	Average
3	2436.20	113.79			81.35	5.29	0.00	27.15	VERTICAL	175	328	Average
4	2438.20	117.67			85.23	5.29	0.00	27.15	VERTICAL	175	328	Peak
5	2483.80	45.55	54.00	-8.45	12.93	5.35	0.00	27.27	VERTICAL	175	328	Average
6	2484.80	58.48	74.00	-15.52	25.86	5.35	0.00	27.27	VERTICAL	175	328	Peak

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2461.20	114.65			82.12	5.31	0.00	27.22	VERTICAL	175	330	Average
2	2461.20	118.55			86.02	5.31	0.00	27.22	VERTICAL	175	330	Peak
3	2484.80	61.83	74.00	-12.17	29.21	5.35	0.00	27.27	VERTICAL	175	330	Peak
4	2486.40	52.47	54.00	-1.53	19.85	5.35	0.00	27.27	VERTICAL	175	330	Average

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 13, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2389.60	72.67	74.00	-1.33	40.41	5.23	0.00	27.03	VERTICAL	175	341	Peak
2	2390.00	52.21	54.00	-1.79	19.95	5.23	0.00	27.03	VERTICAL	175	341	Average
3	2410.00	115.31			82.98	5.25	0.00	27.08	VERTICAL	175	341	Peak
4	2410.40	104.81			72.48	5.25	0.00	27.08	VERTICAL	175	341	Average

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2389.40	61.80	74.00	-12.20	29.54	5.23	0.00	27.03	VERTICAL	175	334	Peak
2	2389.80	46.47	54.00	-7.53	14.21	5.23	0.00	27.03	VERTICAL	175	334	Average
3	2435.80	108.27			75.83	5.29	0.00	27.15	VERTICAL	175	334	Average
4	2436.20	118.73			86.29	5.29	0.00	27.15	VERTICAL	175	334	Peak
5	2486.60	62.11	74.00	-11.89	29.49	5.35	0.00	27.27	VERTICAL	175	334	Peak
6	2489.40	46.17	54.00	-7.83	13.54	5.35	0.00	27.28	VERTICAL	175	334	Average

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2460.80	106.02			73.49	5.31	0.00	27.22	VERTICAL	175	336	Average
2	2460.80	116.25			83.72	5.31	0.00	27.22	VERTICAL	175	336	Peak
3	2484.80	52.44	54.00	-1.56	19.82	5.35	0.00	27.27	VERTICAL	175	336	Average
4	2485.20	71.34	74.00	-2.66	38.72	5.35	0.00	27.27	VERTICAL	175	336	Peak

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 13, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2390.00	52.77	54.00	-1.23	20.51	5.23	0.00	27.03	VERTICAL	178	345	Average
2	2390.00	68.97	74.00	-5.03	36.71	5.23	0.00	27.03	VERTICAL	178	345	Peak
3	2410.80	104.37			72.04	5.25	0.00	27.08	VERTICAL	178	345	Average
4	2410.80	114.44			82.11	5.25	0.00	27.08	VERTICAL	178	345	Peak

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2385.80	59.94	74.00	-14.06	27.68	5.23	0.00	27.03	VERTICAL	175	340	Peak
2	2390.00	46.51	54.00	-7.49	14.25	5.23	0.00	27.03	VERTICAL	175	340	Average
3	2435.80	107.33			74.89	5.29	0.00	27.15	VERTICAL	175	340	Average
4	2438.60	117.51			85.07	5.29	0.00	27.15	VERTICAL	175	340	Peak
5	2483.80	60.29	74.00	-13.71	27.67	5.35	0.00	27.27	VERTICAL	175	340	Peak
6	2493.40	45.16	54.00	-8.84	12.53	5.35	0.00	27.28	VERTICAL	175	340	Average

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2461.20	104.46			71.93	5.31	0.00	27.22	VERTICAL	175	342	Average
2	2463.20	114.64			82.11	5.31	0.00	27.22	VERTICAL	175	342	Peak
3	2483.50	52.78	54.00	-1.22	20.16	5.35	0.00	27.27	VERTICAL	175	342	Average
4	2484.00	72.16	74.00	-1.84	39.54	5.35	0.00	27.27	VERTICAL	175	342	Peak

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 13, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 2TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2389.00	70.68	74.00	-3.32	38.42	5.23	0.00	27.03	VERTICAL	175	346	Peak
2	2390.00	52.76	54.00	-1.24	20.50	5.23	0.00	27.03	VERTICAL	175	346	Average
3	2408.20	98.50			66.17	5.25	0.00	27.08	VERTICAL	175	346	Average
4	2411.20	108.25			75.88	5.27	0.00	27.10	VERTICAL	175	346	Peak

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2389.00	52.72	54.00	-1.28	20.46	5.23	0.00	27.03	VERTICAL	177	330	Average
2	2389.00	67.53	74.00	-6.47	35.27	5.23	0.00	27.03	VERTICAL	177	330	Peak
3	2439.40	110.36			77.91	5.29	0.00	27.16	VERTICAL	177	330	Peak
4	2441.80	100.33			67.88	5.29	0.00	27.16	VERTICAL	177	330	Average

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2441.80	108.60			76.15	5.29	0.00	27.16	VERTICAL	175	336	Peak
2	2446.60	98.99			66.52	5.29	0.00	27.18	VERTICAL	175	336	Average
3	2483.50	52.80	54.00	-1.20	20.18	5.35	0.00	27.27	VERTICAL	175	336	Average
4	2487.40	71.80	74.00	-2.20	39.18	5.35	0.00	27.27	VERTICAL	175	336	Peak

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2388.00	61.38	74.00	-12.62	29.12	5.23	0.00	27.03	VERTICAL	175	360	Peak
2	2390.00	50.01	54.00	-3.99	17.75	5.23	0.00	27.03	VERTICAL	175	360	Average
3	2411.20	116.17			83.80	5.27	0.00	27.10	VERTICAL	175	360	Average
4	2411.20	120.08			87.71	5.27	0.00	27.10	VERTICAL	175	360	Peak
5	2487.60	52.37	54.00	-1.63	19.75	5.35	0.00	27.27	VERTICAL	175	360	Average
6	2487.60	60.68	74.00	-13.32	28.06	5.35	0.00	27.27	VERTICAL	175	360	Peak

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2389.20	57.10	74.00	-16.90	24.84	5.23	0.00	27.03	VERTICAL	175	0	Peak
2	2390.00	45.50	54.00	-8.50	13.24	5.23	0.00	27.03	VERTICAL	175	0	Average
3	2436.20	114.99			82.55	5.29	0.00	27.15	VERTICAL	175	0	Average
4	2436.20	118.92			86.48	5.29	0.00	27.15	VERTICAL	175	0	Peak
5	2483.50	45.53	54.00	-8.47	12.91	5.35	0.00	27.27	VERTICAL	175	0	Average
6	2483.50	57.95	74.00	-16.05	25.33	5.35	0.00	27.27	VERTICAL	175	0	Peak

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2461.20	115.51			82.98	5.31	0.00	27.22	VERTICAL	175	0	Average
2	2461.20	119.43			86.90	5.31	0.00	27.22	VERTICAL	175	0	Peak
3	2486.00	63.10	74.00	-10.90	30.48	5.35	0.00	27.27	VERTICAL	175	0	Peak
4	2488.40	52.45	54.00	-1.55	19.83	5.35	0.00	27.27	VERTICAL	175	0	Average

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015 ~ Oct. 14, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2389.60	69.62	74.00	-4.38	37.36	5.23	0.00	27.03	VERTICAL	175	348	Peak
2	2390.00	52.80	54.00	-1.20	20.54	5.23	0.00	27.03	VERTICAL	175	348	Average
3	2414.00	108.06			75.69	5.27	0.00	27.10	VERTICAL	175	348	Average
4	2414.00	118.32			85.95	5.27	0.00	27.10	VERTICAL	175	348	Peak
5	2487.60	49.20	54.00	-4.80	16.58	5.35	0.00	27.27	VERTICAL	175	348	Average
6	2487.60	58.59	74.00	-15.41	25.97	5.35	0.00	27.27	VERTICAL	175	348	Peak

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2388.60	62.43	74.00	-11.57	30.17	5.23	0.00	27.03	VERTICAL	175	346	Peak
2	2389.40	47.47	54.00	-6.53	15.21	5.23	0.00	27.03	VERTICAL	175	346	Average
3	2439.00	111.38			78.94	5.29	0.00	27.15	VERTICAL	175	346	Average
4	2439.40	121.16			88.71	5.29	0.00	27.16	VERTICAL	175	346	Peak
5	2485.00	60.96	74.00	-13.04	28.34	5.35	0.00	27.27	VERTICAL	175	346	Peak
6	2487.40	46.88	54.00	-7.12	14.26	5.35	0.00	27.27	VERTICAL	175	346	Average

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2464.00	107.24			74.71	5.31	0.00	27.22	VERTICAL	185	348	Average
2	2464.80	117.67			85.14	5.31	0.00	27.22	VERTICAL	185	348	Peak
3	2483.50	52.80	54.00	-1.20	20.18	5.35	0.00	27.27	VERTICAL	185	348	Average
4	2484.00	72.07	74.00	-1.93	39.45	5.35	0.00	27.27	VERTICAL	185	348	Peak

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2388.40	52.77	54.00	-1.23	20.51	5.23	0.00	27.03	VERTICAL	191	23	Average
2	2389.20	71.90	74.00	-2.10	39.64	5.23	0.00	27.03	VERTICAL	191	23	Peak
3	2413.20	106.60			74.23	5.27	0.00	27.10	VERTICAL	191	23	Average
4	2413.20	117.27			84.90	5.27	0.00	27.10	VERTICAL	191	23	Peak

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2388.20	47.58	54.00	-6.42	15.32	5.23	0.00	27.03	VERTICAL	175	22	Average
2	2388.60	63.93	74.00	-10.07	31.67	5.23	0.00	27.03	VERTICAL	175	22	Peak
3	2438.20	111.11			78.67	5.29	0.00	27.15	VERTICAL	175	22	Average
4	2438.20	121.81			89.37	5.29	0.00	27.15	VERTICAL	175	22	Peak
5	2484.20	66.69	74.00	-7.31	34.07	5.35	0.00	27.27	VERTICAL	175	22	Peak
6	2488.60	47.11	54.00	-6.89	14.49	5.35	0.00	27.27	VERTICAL	175	22	Average

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2460.40	107.19			74.68	5.31	0.00	27.20	VERTICAL	175	340	Average
2	2460.40	118.52			86.01	5.31	0.00	27.20	VERTICAL	175	340	Peak
3	2484.80	72.31	74.00	-1.69	39.69	5.35	0.00	27.27	VERTICAL	175	340	Peak
4	2485.20	52.88	54.00	-1.12	20.26	5.35	0.00	27.27	VERTICAL	175	340	Average

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 12, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi / 3TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2386.60	52.77	54.00	-1.23	20.51	5.23	0.00	27.03	VERTICAL	175	360	Average
2	2386.60	69.57	74.00	-4.43	37.31	5.23	0.00	27.03	VERTICAL	175	360	Peak
3	2416.60	111.17			78.80	5.27	0.00	27.10	VERTICAL	175	360	Peak
4	2417.20	101.95			69.58	5.27	0.00	27.10	VERTICAL	175	360	Average

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2390.00	52.73	54.00	-1.27	20.47	5.23	0.00	27.03	VERTICAL	176	342	Average
2	2390.00	69.75	74.00	-4.25	37.49	5.23	0.00	27.03	VERTICAL	176	342	Peak
3	2435.20	112.32			79.88	5.29	0.00	27.15	VERTICAL	176	342	Peak
4	2440.00	102.72			70.27	5.29	0.00	27.16	VERTICAL	176	342	Average
5	2484.40	51.67	54.00	-2.33	19.05	5.35	0.00	27.27	VERTICAL	176	342	Average
6	2485.60	68.68	74.00	-5.32	36.06	5.35	0.00	27.27	VERTICAL	176	342	Peak

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		cm	deg	
1	2444.80	101.67			69.22	5.29	0.00	27.16	VERTICAL	175	343	Average
2	2445.40	111.67			79.22	5.29	0.00	27.16	VERTICAL	175	343	Peak
3	2485.00	52.81	54.00	-1.19	20.19	5.35	0.00	27.27	VERTICAL	175	343	Average
4	2490.40	71.49	74.00	-2.51	38.86	5.35	0.00	27.28	VERTICAL	175	343	Peak

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 13, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.80	63.73	74.00	-10.27	31.84	3.75	28.14	0.00	0	216	Peak	VERTICAL
2	2390.00	52.69	54.00	-1.31	20.80	3.75	28.14	0.00	0	216	Average	VERTICAL
3	2411.20	121.54			89.66	3.76	28.12	0.00	0	216	Peak	VERTICAL
4	2411.20	117.84			85.96	3.76	28.12	0.00	0	216	Average	VERTICAL
5	2487.60	58.31	74.00	-15.69	26.48	3.83	28.00	0.00	0	216	Peak	VERTICAL
6	2487.60	49.96	54.00	-4.04	18.13	3.83	28.00	0.00	0	216	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	59.20	74.00	-14.80	27.31	3.75	28.14	0.00	356	214	Peak	VERTICAL
2	2390.00	46.66	54.00	-7.34	14.77	3.75	28.14	0.00	356	214	Average	VERTICAL
3	2436.20	121.66			89.79	3.77	28.10	0.00	356	214	Peak	VERTICAL
4	2436.20	117.69			85.82	3.77	28.10	0.00	356	214	Average	VERTICAL
5	2483.50	45.66	54.00	-8.34	13.82	3.82	28.02	0.00	356	214	Average	VERTICAL
6	2489.10	57.06	74.00	-16.94	25.23	3.83	28.00	0.00	356	214	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.20	121.02			89.17	3.80	28.05	0.00	355	211	Peak	VERTICAL
2	2461.20	117.07			85.22	3.80	28.05	0.00	355	211	Average	VERTICAL
3	2487.50	63.13	74.00	-10.87	31.30	3.83	28.00	0.00	355	211	Peak	VERTICAL
4	2488.70	52.94	54.00	-1.06	21.11	3.83	28.00	0.00	355	211	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 13, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	71.03	74.00	-2.97	39.14	3.75	28.14	0.00	355	212	Peak	VERTICAL
2	2390.00	52.76	54.00	-1.24	20.87	3.75	28.14	0.00	355	212	Average	VERTICAL
3	2412.80	109.28			77.40	3.76	28.12	0.00	355	212	Average	VERTICAL
4	2413.60	119.78			87.90	3.76	28.12	0.00	355	212	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2384.40	63.15	74.00	-10.85	31.25	3.73	28.17	0.00	358	210	Peak	VERTICAL
2	2386.80	46.90	54.00	-7.10	15.01	3.75	28.14	0.00	358	210	Average	VERTICAL
3	2436.20	123.17			91.30	3.77	28.10	0.00	358	210	Peak	VERTICAL
4	2436.20	112.44			80.57	3.77	28.10	0.00	358	210	Average	VERTICAL
5	2483.50	46.03	54.00	-7.97	14.19	3.82	28.02	0.00	358	210	Average	VERTICAL
6	2484.70	60.69	74.00	-13.31	28.85	3.82	28.02	0.00	358	210	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2460.80	118.06			86.21	3.80	28.05	0.00	355	210	Peak	VERTICAL
2	2460.80	107.90			76.05	3.80	28.05	0.00	355	210	Average	VERTICAL
3	2483.50	72.30	74.00	-1.70	40.46	3.82	28.02	0.00	355	210	Peak	VERTICAL
4	2483.50	52.54	54.00	-1.46	20.70	3.82	28.02	0.00	355	210	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 13, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.80	70.98	74.00	-3.02	39.09	3.75	28.14	0.00	359	216	Peak	VERTICAL
2	2390.00	52.55	54.00	-1.45	20.66	3.75	28.14	0.00	359	216	Average	VERTICAL
3	2411.60	117.29			85.41	3.76	28.12	0.00	359	216	Peak	VERTICAL
4	2411.60	107.48			75.60	3.76	28.12	0.00	359	216	Average	VERTICAL
5	2487.50	48.37	54.00	-5.63	16.54	3.83	28.00	0.00	359	216	Average	VERTICAL
6	2487.90	57.15	74.00	-16.85	25.32	3.83	28.00	0.00	359	216	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.80	64.57	74.00	-9.43	32.68	3.75	28.14	0.00	359	217	Peak	VERTICAL
2	2390.00	47.95	54.00	-6.05	16.06	3.75	28.14	0.00	359	217	Average	VERTICAL
3	2436.20	122.07			90.20	3.77	28.10	0.00	359	217	Peak	VERTICAL
4	2436.60	111.90			80.04	3.79	28.07	0.00	359	217	Average	VERTICAL
5	2485.90	61.09	74.00	-12.91	29.25	3.82	28.02	0.00	359	217	Peak	VERTICAL
6	2486.30	47.32	54.00	-6.68	15.48	3.82	28.02	0.00	359	217	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2463.20	119.25			87.40	3.80	28.05	0.00	18	197	Peak	VERTICAL
2	2463.20	107.87			76.02	3.80	28.05	0.00	18	197	Average	VERTICAL
3	2483.50	72.87	74.00	-1.13	41.03	3.82	28.02	0.00	18	197	Peak	VERTICAL
4	2483.50	51.70	54.00	-2.30	19.86	3.82	28.02	0.00	18	197	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 13, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 3 (Set 6 Panel antenna / 4.03dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.40	70.52	74.00	-3.48	38.63	3.75	28.14	0.00	358	212	Peak	VERTICAL
2	2387.20	52.99	54.00	-1.01	21.10	3.75	28.14	0.00	358	212	Average	VERTICAL
3	2406.80	112.21			80.33	3.76	28.12	0.00	358	212	Peak	VERTICAL
4	2416.80	100.70			68.82	3.76	28.12	0.00	358	212	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.00	68.79	74.00	-5.21	36.90	3.75	28.14	0.00	358	213	Peak	VERTICAL
2	2390.00	52.60	54.00	-1.40	20.71	3.75	28.14	0.00	358	213	Average	VERTICAL
3	2422.00	102.11			70.24	3.77	28.10	0.00	358	213	Average	VERTICAL
4	2447.00	113.45			81.59	3.79	28.07	0.00	358	213	Peak	VERTICAL
5	2486.50	63.74	74.00	-10.26	31.90	3.82	28.02	0.00	358	213	Peak	VERTICAL
6	2486.50	49.77	54.00	-4.23	17.93	3.82	28.02	0.00	358	213	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2442.80	102.27			70.41	3.79	28.07	0.00	23	151	Average	VERTICAL
2	2448.00	113.37			81.51	3.79	28.07	0.00	23	151	Peak	VERTICAL
3	2483.50	52.66	54.00	-1.34	20.82	3.82	28.02	0.00	23	151	Average	VERTICAL
4	2487.90	71.55	74.00	-2.45	39.72	3.83	28.00	0.00	23	151	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.17	58.59	74.00	-15.41	26.70	3.75	28.14	0.00	357	250	Peak	VERTICAL
2	2390.00	47.94	54.00	-6.06	16.05	3.75	28.14	0.00	357	250	Average	VERTICAL
3	2411.17	108.32			76.44	3.76	28.12	0.00	357	250	Average	VERTICAL
4	2413.00	112.26			80.38	3.76	28.12	0.00	357	250	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2362.67	45.16	54.00	-8.84	13.25	3.72	28.19	0.00	349	259	Average	VERTICAL
2	2388.00	56.68	74.00	-17.32	24.79	3.75	28.14	0.00	349	259	Peak	VERTICAL
3	2436.00	112.15			80.28	3.77	28.10	0.00	349	259	Peak	VERTICAL
4	2436.33	108.35			76.48	3.77	28.10	0.00	349	259	Average	VERTICAL
5	2483.60	44.56	54.00	-9.44	12.72	3.82	28.02	0.00	349	259	Average	VERTICAL
6	2498.67	56.90	74.00	-17.10	25.07	3.83	28.00	0.00	349	259	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.17	107.98			76.13	3.80	28.05	0.00	347	188	Average	HORIZONTAL
2	2463.00	111.83			79.98	3.80	28.05	0.00	347	188	Peak	HORIZONTAL
3	2485.33	59.01	74.00	-14.99	27.17	3.82	28.02	0.00	347	188	Peak	HORIZONTAL
4	2486.50	47.87	54.00	-6.13	16.03	3.82	28.02	0.00	347	188	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.67	72.73	74.00	-1.27	40.84	3.75	28.14	0.00	338	233	Peak	HORIZONTAL
2	2390.00	52.62	54.00	-1.38	20.73	3.75	28.14	0.00	338	233	Average	HORIZONTAL
3	2410.83	111.40			79.52	3.76	28.12	0.00	338	233	Peak	HORIZONTAL
4	2411.17	101.08			69.20	3.76	28.12	0.00	338	233	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.00	45.25	54.00	-8.75	13.36	3.75	28.14	0.00	338	216	Average	HORIZONTAL
2	2390.00	58.99	74.00	-15.01	27.10	3.75	28.14	0.00	338	216	Peak	HORIZONTAL
3	2436.00	112.37			80.50	3.77	28.10	0.00	338	216	Peak	HORIZONTAL
4	2438.00	102.40			70.54	3.79	28.07	0.00	338	216	Average	HORIZONTAL
5	2483.50	56.38	74.00	-17.62	24.54	3.82	28.02	0.00	338	216	Peak	HORIZONTAL
6	2483.60	45.09	54.00	-8.91	13.25	3.82	28.02	0.00	338	216	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2459.83	112.52			80.67	3.80	28.05	0.00	339	209	Peak	HORIZONTAL
2	2463.17	100.88			69.03	3.80	28.05	0.00	339	209	Average	HORIZONTAL
3	2483.50	52.95	54.00	-1.05	21.11	3.82	28.02	0.00	339	209	Average	HORIZONTAL
4	2483.67	70.82	74.00	-3.18	38.98	3.82	28.02	0.00	339	209	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.83	72.34	74.00	-1.66	40.45	3.75	28.14	0.00	342	217	Peak	HORIZONTAL
2	2390.00	52.94	54.00	-1.06	21.05	3.75	28.14	0.00	342	217	Average	HORIZONTAL
3	2409.67	111.31			79.43	3.76	28.12	0.00	342	217	Peak	HORIZONTAL
4	2411.00	100.66			68.78	3.76	28.12	0.00	342	217	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.33	58.97	74.00	-15.03	27.08	3.75	28.14	0.00	336	231	Peak	HORIZONTAL
2	2390.00	45.46	54.00	-8.54	13.57	3.75	28.14	0.00	336	231	Average	HORIZONTAL
3	2436.00	102.50			70.63	3.77	28.10	0.00	336	231	Average	HORIZONTAL
4	2439.33	113.92			82.06	3.79	28.07	0.00	336	231	Peak	HORIZONTAL
5	2483.60	45.26	54.00	-8.74	13.42	3.82	28.02	0.00	336	231	Average	HORIZONTAL
6	2484.67	57.49	74.00	-16.51	25.65	3.82	28.02	0.00	336	231	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2460.67	111.14			79.29	3.80	28.05	0.00	341	208	Peak	HORIZONTAL
2	2461.00	100.28			68.43	3.80	28.05	0.00	341	208	Average	HORIZONTAL
3	2483.50	52.97	54.00	-1.03	21.13	3.82	28.02	0.00	341	208	Average	HORIZONTAL
4	2484.83	72.16	74.00	-1.84	40.32	3.82	28.02	0.00	341	208	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 1TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2387.33	72.45	74.00	-1.55	40.56	3.75	28.14	0.00	357	243	Peak	VERTICAL
2	2389.67	52.59	54.00	-1.41	20.70	3.75	28.14	0.00	357	243	Average	VERTICAL
3	2417.33	105.68			73.80	3.76	28.12	0.00	357	243	Peak	VERTICAL
4	2427.00	95.63			63.76	3.77	28.10	0.00	357	243	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.00	69.36	74.00	-4.64	37.47	3.75	28.14	0.00	345	192	Peak	HORIZONTAL
2	2390.00	52.92	54.00	-1.08	21.03	3.75	28.14	0.00	345	192	Average	HORIZONTAL
3	2423.50	96.63			64.76	3.77	28.10	0.00	345	192	Average	HORIZONTAL
4	2433.50	106.11			74.24	3.77	28.10	0.00	345	192	Peak	HORIZONTAL
5	2483.50	52.13	54.00	-1.87	20.29	3.82	28.02	0.00	345	192	Average	HORIZONTAL
6	2485.00	69.29	74.00	-4.71	37.45	3.82	28.02	0.00	345	192	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2456.00	95.50			63.65	3.80	28.05	0.00	347	207	Average	HORIZONTAL
2	2458.00	105.36			73.51	3.80	28.05	0.00	347	207	Peak	HORIZONTAL
3	2485.00	52.86	54.00	-1.14	21.02	3.82	28.02	0.00	347	207	Average	HORIZONTAL
4	2487.00	70.60	74.00	-3.40	38.76	3.82	28.02	0.00	347	207	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2385.67	60.02	74.00	-13.98	28.13	3.75	28.14	0.00	17	207	Peak	HORIZONTAL
2	2389.00	48.89	54.00	-5.11	17.00	3.75	28.14	0.00	17	207	Average	HORIZONTAL
3	2411.17	116.10			84.22	3.76	28.12	0.00	17	207	Peak	HORIZONTAL
4	2411.17	112.25			80.37	3.76	28.12	0.00	17	207	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2338.67	57.82	74.00	-16.18	25.89	3.71	28.22	0.00	355	111	Peak	VERTICAL
2	2389.33	45.22	54.00	-8.78	13.33	3.75	28.14	0.00	355	111	Average	VERTICAL
3	2436.00	113.14			81.27	3.77	28.10	0.00	355	111	Peak	VERTICAL
4	2436.33	109.25			77.38	3.77	28.10	0.00	355	111	Average	VERTICAL
5	2497.00	57.95	74.00	-16.05	26.12	3.83	28.00	0.00	355	111	Peak	VERTICAL
6	2499.60	45.34	54.00	-8.66	13.51	3.83	28.00	0.00	355	111	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.00	116.05			84.20	3.80	28.05	0.00	342	210	Peak	HORIZONTAL
2	2461.17	112.17			80.32	3.80	28.05	0.00	342	210	Average	HORIZONTAL
3	2485.67	59.40	74.00	-14.60	27.56	3.82	28.02	0.00	342	210	Peak	HORIZONTAL
4	2486.50	49.38	54.00	-4.62	17.54	3.82	28.02	0.00	342	210	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.83	52.93	54.00	-1.07	21.04	3.75	28.14	0.00	357	142	Average	VERTICAL
2	2389.50	69.99	74.00	-4.01	38.10	3.75	28.14	0.00	357	142	Peak	VERTICAL
3	2413.17	114.61			82.73	3.76	28.12	0.00	357	142	Peak	VERTICAL
4	2413.50	104.67			72.79	3.76	28.12	0.00	357	142	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2385.67	59.37	74.00	-14.63	27.48	3.75	28.14	0.00	343	199	Peak	HORIZONTAL
2	2390.00	45.93	54.00	-8.07	14.04	3.75	28.14	0.00	343	199	Average	HORIZONTAL
3	2436.33	117.28			85.41	3.77	28.10	0.00	343	199	Peak	HORIZONTAL
4	2436.33	106.47			74.60	3.77	28.10	0.00	343	199	Average	HORIZONTAL
5	2484.80	45.38	54.00	-8.62	13.54	3.82	28.02	0.00	343	199	Average	HORIZONTAL
6	2485.33	56.94	74.00	-17.06	25.10	3.82	28.02	0.00	343	199	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2463.33	114.42			82.57	3.80	28.05	0.00	356	124	Peak	VERTICAL
2	2463.50	104.43			72.58	3.80	28.05	0.00	356	124	Average	VERTICAL
3	2483.50	52.69	54.00	-1.31	20.85	3.82	28.02	0.00	356	124	Average	VERTICAL
4	2483.83	69.10	74.00	-4.90	37.26	3.82	28.02	0.00	356	124	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.50	52.97	54.00	-1.03	21.08	3.75	28.14	0.00	352	205	Average	HORIZONTAL
2	2389.67	70.42	74.00	-3.58	38.53	3.75	28.14	0.00	352	205	Peak	HORIZONTAL
3	2409.33	102.33			70.45	3.76	28.12	0.00	352	205	Average	HORIZONTAL
4	2409.50	112.64			80.76	3.76	28.12	0.00	352	205	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.33	62.76	74.00	-11.24	30.87	3.75	28.14	0.00	357	142	Peak	VERTICAL
2	2389.67	46.02	54.00	-7.98	14.13	3.75	28.14	0.00	357	142	Average	VERTICAL
3	2437.67	116.09			84.23	3.79	28.07	0.00	357	142	Peak	VERTICAL
4	2437.67	105.68			73.82	3.79	28.07	0.00	357	142	Average	VERTICAL
5	2490.80	45.12	54.00	-8.88	13.29	3.83	28.00	0.00	357	142	Average	VERTICAL
6	2493.33	57.23	74.00	-16.77	25.40	3.83	28.00	0.00	357	142	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2459.83	114.23			82.38	3.80	28.05	0.00	356	122	Peak	VERTICAL
2	2460.17	103.03			71.18	3.80	28.05	0.00	356	122	Average	VERTICAL
3	2483.50	52.84	54.00	-1.16	21.00	3.82	28.02	0.00	356	122	Average	VERTICAL
4	2484.17	71.99	74.00	-2.01	40.15	3.82	28.02	0.00	356	122	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 17, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 2TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.00	69.12	74.00	-4.88	37.23	3.75	28.14	0.00	349	248	Peak	HORIZONTAL
2	2389.33	52.42	54.00	-1.58	20.53	3.75	28.14	0.00	349	248	Average	HORIZONTAL
3	2409.33	96.86			64.98	3.76	28.12	0.00	349	248	Average	HORIZONTAL
4	2437.33	106.72			74.86	3.79	28.07	0.00	349	248	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2384.50	65.39	74.00	-8.61	33.49	3.73	28.17	0.00	341	183	Peak	HORIZONTAL
2	2389.00	52.45	54.00	-1.55	20.56	3.75	28.14	0.00	341	183	Average	HORIZONTAL
3	2441.50	108.33			76.47	3.79	28.07	0.00	341	183	Peak	HORIZONTAL
4	2444.50	99.00			67.14	3.79	28.07	0.00	341	183	Average	HORIZONTAL
5	2484.50	64.02	74.00	-9.98	32.18	3.82	28.02	0.00	341	183	Peak	HORIZONTAL
6	2484.50	51.26	54.00	-2.74	19.42	3.82	28.02	0.00	341	183	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2447.00	107.44			75.58	3.79	28.07	0.00	349	199	Peak	HORIZONTAL
2	2447.00	97.83			65.97	3.79	28.07	0.00	349	199	Average	HORIZONTAL
3	2484.67	52.48	54.00	-1.52	20.64	3.82	28.02	0.00	349	199	Average	HORIZONTAL
4	2486.00	68.94	74.00	-5.06	37.10	3.82	28.02	0.00	349	199	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.20	63.12	74.00	-10.88	31.23	3.75	28.14	0.00	360	151	Peak	HORIZONTAL
2	2389.20	51.89	54.00	-2.11	20.00	3.75	28.14	0.00	360	151	Average	HORIZONTAL
3	2411.00	119.50			87.62	3.76	28.12	0.00	360	151	Peak	HORIZONTAL
4	2411.20	115.74			83.86	3.76	28.12	0.00	360	151	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	58.23	74.00	-15.77	26.34	3.75	28.14	0.00	7	184	Peak	HORIZONTAL
2	2390.00	45.84	54.00	-8.16	13.95	3.75	28.14	0.00	7	184	Average	HORIZONTAL
3	2436.20	119.86			87.99	3.77	28.10	0.00	7	184	Peak	HORIZONTAL
4	2436.20	116.10			84.23	3.77	28.10	0.00	7	184	Average	HORIZONTAL
5	2483.80	45.11	54.00	-8.89	13.27	3.82	28.02	0.00	7	184	Average	HORIZONTAL
6	2487.40	56.99	74.00	-17.01	25.15	3.82	28.02	0.00	7	184	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.20	119.30			87.45	3.80	28.05	0.00	6	171	Peak	HORIZONTAL
2	2461.20	115.47			83.62	3.80	28.05	0.00	6	171	Average	HORIZONTAL
3	2486.20	51.60	54.00	-2.40	19.76	3.82	28.02	0.00	6	171	Average	HORIZONTAL
4	2487.00	60.68	74.00	-13.32	28.84	3.82	28.02	0.00	6	171	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	68.84	74.00	-5.16	36.95	3.75	28.14	0.00	4	136	Peak	HORIZONTAL
2	2390.00	52.96	54.00	-1.04	21.07	3.75	28.14	0.00	4	136	Average	HORIZONTAL
3	2411.00	116.50			84.62	3.76	28.12	0.00	4	136	Peak	HORIZONTAL
4	2411.20	106.53			74.65	3.76	28.12	0.00	4	136	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	61.14	74.00	-12.86	29.25	3.75	28.14	0.00	358	109	Peak	VERTICAL
2	2390.00	47.34	54.00	-6.66	15.45	3.75	28.14	0.00	358	109	Average	VERTICAL
3	2440.20	109.29			77.43	3.79	28.07	0.00	358	109	Average	VERTICAL
4	2441.00	118.92			87.06	3.79	28.07	0.00	358	109	Peak	VERTICAL
5	2483.50	45.95	54.00	-8.05	14.11	3.82	28.02	0.00	358	109	Average	VERTICAL
6	2486.20	58.78	74.00	-15.22	26.94	3.82	28.02	0.00	358	109	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.20	107.21			75.36	3.80	28.05	0.00	1	130	Average	HORIZONTAL
2	2461.40	117.53			85.68	3.80	28.05	0.00	1	130	Peak	HORIZONTAL
3	2483.50	52.64	54.00	-1.36	20.80	3.82	28.02	0.00	1	130	Average	HORIZONTAL
4	2490.60	63.95	74.00	-10.05	32.12	3.83	28.00	0.00	1	130	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 3TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.20	52.78	54.00	-1.22	20.89	3.75	28.14	0.00	13	195	Average	VERTICAL
2	2388.60	72.28	74.00	-1.72	40.39	3.75	28.14	0.00	13	195	Peak	VERTICAL
3	2413.20	118.15			86.27	3.76	28.12	0.00	13	195	Peak	VERTICAL
4	2413.20	106.60			74.72	3.76	28.12	0.00	13	195	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.80	63.36	74.00	-10.64	31.47	3.75	28.14	0.00	340	104	Peak	VERTICAL
2	2390.00	47.32	54.00	-6.68	15.43	3.75	28.14	0.00	340	104	Average	VERTICAL
3	2434.60	118.92			87.05	3.77	28.10	0.00	340	104	Peak	VERTICAL
4	2435.00	108.57			76.70	3.77	28.10	0.00	340	104	Average	VERTICAL
5	2483.50	45.51	54.00	-8.49	13.67	3.82	28.02	0.00	340	104	Average	VERTICAL
6	2483.80	58.22	74.00	-15.78	26.38	3.82	28.02	0.00	340	104	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2462.80	105.65			73.80	3.80	28.05	0.00	19	139	Average	VERTICAL
2	2463.20	116.00			84.15	3.80	28.05	0.00	19	139	Peak	VERTICAL
3	2483.50	52.84	54.00	-1.16	21.00	3.82	28.02	0.00	19	139	Average	VERTICAL
4	2487.80	66.81	74.00	-7.19	34.98	3.83	28.00	0.00	19	139	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi / 3TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.00	67.57	74.00	-6.43	35.68	3.75	28.14	0.00	29	171	Peak	VERTICAL
2	2388.40	52.84	54.00	-1.16	20.95	3.75	28.14	0.00	29	171	Average	VERTICAL
3	2408.00	99.86			67.98	3.76	28.12	0.00	29	171	Average	VERTICAL
4	2408.40	109.67			77.79	3.76	28.12	0.00	29	171	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2383.00	67.26	74.00	-6.74	35.36	3.73	28.17	0.00	13	210	Peak	VERTICAL
2	2388.40	52.76	54.00	-1.24	20.87	3.75	28.14	0.00	13	210	Average	VERTICAL
3	2423.20	111.95			80.08	3.77	28.10	0.00	13	210	Peak	VERTICAL
4	2433.40	102.56			70.69	3.77	28.10	0.00	13	210	Average	VERTICAL
5	2483.50	51.04	54.00	-2.96	19.20	3.82	28.02	0.00	13	210	Average	VERTICAL
6	2484.40	68.63	74.00	-5.37	36.79	3.82	28.02	0.00	13	210	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2445.20	100.49			68.63	3.79	28.07	0.00	347	143	Average	VERTICAL
2	2450.00	110.16			78.30	3.79	28.07	0.00	347	143	Peak	VERTICAL
3	2485.60	52.59	54.00	-1.41	20.75	3.82	28.02	0.00	347	143	Average	VERTICAL
4	2486.00	72.12	74.00	-1.88	40.28	3.82	28.02	0.00	347	143	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.40	62.29	74.00	-11.71	30.40	3.75	28.14	0.00	4	102	Peak	HORIZONTAL
2	2389.20	51.06	54.00	-2.94	19.17	3.75	28.14	0.00	4	102	Average	HORIZONTAL
3	2411.20	115.57			83.69	3.76	28.12	0.00	4	102	Average	HORIZONTAL
4	2412.80	119.55			87.67	3.76	28.12	0.00	4	102	Peak	HORIZONTAL
5	2487.60	58.67	74.00	-15.33	26.84	3.83	28.00	0.00	4	102	Peak	HORIZONTAL
6	2487.60	50.84	54.00	-3.16	19.01	3.83	28.00	0.00	4	102	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.60	58.57	74.00	-15.43	26.68	3.75	28.14	0.00	31	108	Peak	VERTICAL
2	2390.00	45.98	54.00	-8.02	14.09	3.75	28.14	0.00	31	108	Average	VERTICAL
3	2436.20	118.13			86.26	3.77	28.10	0.00	31	108	Peak	VERTICAL
4	2436.20	114.26			82.39	3.77	28.10	0.00	31	108	Average	VERTICAL
5	2484.30	44.92	54.00	-9.08	13.08	3.82	28.02	0.00	31	108	Average	VERTICAL
6	2488.20	57.02	74.00	-16.98	25.19	3.83	28.00	0.00	31	108	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.20	119.98			88.13	3.80	28.05	0.00	3	131	Peak	HORIZONTAL
2	2461.20	116.11			84.26	3.80	28.05	0.00	3	131	Average	HORIZONTAL
3	2486.40	52.86	54.00	-1.14	21.02	3.82	28.02	0.00	3	131	Average	HORIZONTAL
4	2486.60	63.00	74.00	-11.00	31.16	3.82	28.02	0.00	3	131	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1+ Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	68.28	74.00	-5.72	36.39	3.75	28.14	0.00	14	186	Peak	HORIZONTAL
2	2390.00	52.99	54.00	-1.01	21.10	3.75	28.14	0.00	14	186	Average	HORIZONTAL
3	2413.40	106.87			74.99	3.76	28.12	0.00	14	186	Average	HORIZONTAL
4	2414.00	117.11			85.23	3.76	28.12	0.00	14	186	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.60	59.43	74.00	-14.57	27.54	3.75	28.14	0.00	33	127	Peak	VERTICAL
2	2390.00	46.42	54.00	-7.58	14.53	3.75	28.14	0.00	33	127	Average	VERTICAL
3	2438.60	107.96			76.10	3.79	28.07	0.00	33	127	Average	VERTICAL
4	2439.00	118.17			86.31	3.79	28.07	0.00	33	127	Peak	VERTICAL
5	2489.50	45.22	54.00	-8.78	13.39	3.83	28.00	0.00	33	127	Average	VERTICAL
6	2490.60	56.86	74.00	-17.14	25.03	3.83	28.00	0.00	33	127	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2460.40	117.54			85.69	3.80	28.05	0.00	353	155	Peak	HORIZONTAL
2	2461.00	106.88			75.03	3.80	28.05	0.00	353	155	Average	HORIZONTAL
3	2483.50	67.70	74.00	-6.30	35.86	3.82	28.02	0.00	353	155	Peak	HORIZONTAL
4	2483.50	52.96	54.00	-1.04	21.12	3.82	28.02	0.00	353	155	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2387.00	71.05	74.00	-2.95	39.16	3.75	28.14	0.00	3	137	Peak	HORIZONTAL
2	2387.00	52.81	54.00	-1.19	20.92	3.75	28.14	0.00	3	137	Average	HORIZONTAL
3	2411.40	106.32			74.44	3.76	28.12	0.00	3	137	Average	HORIZONTAL
4	2411.80	116.69			84.81	3.76	28.12	0.00	3	137	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.80	62.16	74.00	-11.84	30.27	3.75	28.14	0.00	1	100	Peak	VERTICAL
2	2390.00	47.69	54.00	-6.31	15.80	3.75	28.14	0.00	1	100	Average	VERTICAL
3	2435.00	118.98			87.11	3.77	28.10	0.00	1	100	Peak	VERTICAL
4	2435.00	108.28			76.41	3.77	28.10	0.00	1	100	Average	VERTICAL
5	2485.40	46.06	54.00	-7.94	14.22	3.82	28.02	0.00	1	100	Average	VERTICAL
6	2486.20	59.14	74.00	-14.86	27.30	3.82	28.02	0.00	1	100	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.40	116.62			84.77	3.80	28.05	0.00	4	108	Peak	HORIZONTAL
2	2461.40	106.22			74.37	3.80	28.05	0.00	4	108	Average	HORIZONTAL
3	2486.00	70.56	74.00	-3.44	38.72	3.82	28.02	0.00	4	108	Peak	HORIZONTAL
4	2486.00	52.74	54.00	-1.26	20.90	3.82	28.02	0.00	4	108	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Engineer	Brian Sun		
Test Mode	Mode 4 (Set 7 Polarized Panel antenna / 5.45dBi + Set 9 Monopole antenna / Chain 4: 4.5dBi / 4TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2382.80	68.86	74.00	-5.14	36.96	3.73	28.17	0.00	3	136	Peak	HORIZONTAL
2	2386.80	52.82	54.00	-1.18	20.93	3.75	28.14	0.00	3	136	Average	HORIZONTAL
3	2411.60	100.96			69.08	3.76	28.12	0.00	3	136	Average	HORIZONTAL
4	2436.40	110.34			78.47	3.77	28.10	0.00	3	136	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.80	52.95	54.00	-1.05	21.06	3.75	28.14	0.00	353	107	Average	VERTICAL
2	2390.00	67.33	74.00	-6.67	35.44	3.75	28.14	0.00	353	107	Peak	VERTICAL
3	2435.00	111.80			79.93	3.77	28.10	0.00	353	107	Peak	VERTICAL
4	2435.00	101.75			69.88	3.77	28.10	0.00	353	107	Average	VERTICAL
5	2485.00	68.00	74.00	-6.00	36.16	3.82	28.02	0.00	353	107	Peak	VERTICAL
6	2485.00	51.83	54.00	-2.17	19.99	3.82	28.02	0.00	353	107	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2444.80	100.71			68.85	3.79	28.07	0.00	356	103	Average	VERTICAL
2	2445.20	110.07			78.21	3.79	28.07	0.00	356	103	Peak	VERTICAL
3	2484.00	71.16	74.00	-2.84	39.32	3.82	28.02	0.00	356	103	Peak	VERTICAL
4	2484.80	52.85	54.00	-1.15	21.01	3.82	28.02	0.00	356	103	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	58.22	74.00	-15.78	26.33	3.75	28.14	0.00	201	250	Peak	VERTICAL
2	2390.00	46.68	54.00	-7.32	14.79	3.75	28.14	0.00	201	250	Average	VERTICAL
3	2411.17	106.71			74.83	3.76	28.12	0.00	201	250	Average	VERTICAL
4	2413.00	110.54			78.66	3.76	28.12	0.00	201	250	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2362.67	47.38	54.00	-6.62	15.47	3.72	28.19	0.00	208	225	Average	HORIZONTAL
2	2363.00	57.08	74.00	-16.92	25.17	3.72	28.19	0.00	208	225	Peak	HORIZONTAL
3	2436.00	106.97			75.10	3.77	28.10	0.00	208	225	Peak	HORIZONTAL
4	2436.33	103.25			71.38	3.77	28.10	0.00	208	225	Average	HORIZONTAL
5	2493.70	55.28	74.00	-18.72	23.45	3.83	28.00	0.00	208	225	Peak	HORIZONTAL
6	2499.80	45.56	54.00	-8.44	13.73	3.83	28.00	0.00	208	225	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.00	110.72			78.87	3.80	28.05	0.00	205	262	Peak	VERTICAL
2	2461.17	106.94			75.09	3.80	28.05	0.00	205	262	Average	VERTICAL
3	2486.33	47.98	54.00	-6.02	16.14	3.82	28.02	0.00	205	262	Average	VERTICAL
4	2486.50	58.51	74.00	-15.49	26.67	3.82	28.02	0.00	205	262	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	70.27	74.00	-3.73	38.38	3.75	28.14	0.00	201	251	Peak	VERTICAL
2	2390.00	52.98	54.00	-1.02	21.09	3.75	28.14	0.00	201	251	Average	VERTICAL
3	2409.50	110.52			78.64	3.76	28.12	0.00	201	251	Peak	VERTICAL
4	2413.00	100.22			68.34	3.76	28.12	0.00	201	251	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2366.33	46.57	54.00	-7.43	14.66	3.72	28.19	0.00	203	246	Average	VERTICAL
2	2388.00	58.15	74.00	-15.85	26.26	3.75	28.14	0.00	203	246	Peak	VERTICAL
3	2436.00	112.45			80.58	3.77	28.10	0.00	203	246	Peak	VERTICAL
4	2436.00	102.52			70.65	3.77	28.10	0.00	203	246	Average	VERTICAL
5	2486.20	45.17	54.00	-8.83	13.33	3.82	28.02	0.00	203	246	Average	VERTICAL
6	2491.33	56.85	74.00	-17.15	25.02	3.83	28.00	0.00	203	246	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2460.33	110.51			78.66	3.80	28.05	0.00	177	264	Peak	VERTICAL
2	2461.00	99.95			68.10	3.80	28.05	0.00	177	264	Average	VERTICAL
3	2483.50	70.62	74.00	-3.38	38.78	3.82	28.02	0.00	177	264	Peak	VERTICAL
4	2483.50	52.69	54.00	-1.31	20.85	3.82	28.02	0.00	177	264	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi / 1TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.83	69.53	74.00	-4.47	37.64	3.75	28.14	0.00	202	251	Peak	VERTICAL
2	2390.00	52.74	54.00	-1.26	20.85	3.75	28.14	0.00	202	251	Average	VERTICAL
3	2410.83	99.70			67.82	3.76	28.12	0.00	202	251	Average	VERTICAL
4	2414.83	110.43			78.55	3.76	28.12	0.00	202	251	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2366.33	46.72	54.00	-7.28	14.81	3.72	28.19	0.00	201	244	Average	VERTICAL
2	2390.00	58.02	74.00	-15.98	26.13	3.75	28.14	0.00	201	244	Peak	VERTICAL
3	2433.33	112.02			80.15	3.77	28.10	0.00	201	244	Peak	VERTICAL
4	2436.00	102.15			70.28	3.77	28.10	0.00	201	244	Average	VERTICAL
5	2493.33	56.97	74.00	-17.03	25.14	3.83	28.00	0.00	201	244	Peak	VERTICAL
6	2493.50	44.35	54.00	-9.65	12.52	3.83	28.00	0.00	201	244	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2460.83	109.71			77.86	3.80	28.05	0.00	162	267	Peak	VERTICAL
2	2460.83	99.96			68.11	3.80	28.05	0.00	162	267	Average	VERTICAL
3	2483.50	52.80	54.00	-1.20	20.96	3.82	28.02	0.00	162	267	Average	VERTICAL
4	2485.17	68.90	74.00	-5.10	37.06	3.82	28.02	0.00	162	267	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 16, 2015	Configurations	IEEE 802.11n MCS0 HT40 CH 3, 6, 9 / Chain 1
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi / 1TX)		

Channel 3

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2388.33	72.10	74.00	-1.90	40.21	3.75	28.14	0.00	203	250	Peak	VERTICAL
2	2390.00	52.64	54.00	-1.36	20.75	3.75	28.14	0.00	203	250	Average	VERTICAL
3	2416.00	106.48			74.60	3.76	28.12	0.00	203	250	Peak	VERTICAL
4	2417.00	95.08			63.20	3.76	28.12	0.00	203	250	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2422 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.50	66.50	74.00	-7.50	34.61	3.75	28.14	0.00	200	247	Peak	VERTICAL
2	2390.00	52.64	54.00	-1.36	20.75	3.75	28.14	0.00	200	247	Average	VERTICAL
3	2421.50	95.97			64.10	3.77	28.10	0.00	200	247	Average	VERTICAL
4	2435.00	106.08			74.21	3.77	28.10	0.00	200	247	Peak	VERTICAL
5	2483.50	68.87	74.00	-5.13	37.03	3.82	28.02	0.00	200	247	Peak	VERTICAL
6	2483.50	51.86	54.00	-2.14	20.02	3.82	28.02	0.00	200	247	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 9

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2434.67	104.64			72.77	3.77	28.10	0.00	200	244	Peak	VERTICAL
2	2436.33	94.51			62.64	3.77	28.10	0.00	200	244	Average	VERTICAL
3	2484.33	52.66	54.00	-1.34	20.82	3.82	28.02	0.00	200	244	Average	VERTICAL
4	2490.00	72.59	74.00	-1.41	40.76	3.83	28.00	0.00	200	244	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2452 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.33	48.36	54.00	-5.64	16.47	3.75	28.14	0.00	193	201	Average	VERTICAL
2	2389.83	58.15	74.00	-15.85	26.26	3.75	28.14	0.00	193	201	Peak	VERTICAL
3	2411.33	111.23			79.35	3.76	28.12	0.00	193	201	Average	VERTICAL
4	2413.00	114.99			83.11	3.76	28.12	0.00	193	201	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2347.33	45.70	54.00	-8.30	13.77	3.71	28.22	0.00	194	240	Average	VERTICAL
2	2389.33	56.94	74.00	-17.06	25.05	3.75	28.14	0.00	194	240	Peak	VERTICAL
3	2436.00	115.07			83.20	3.77	28.10	0.00	194	240	Peak	VERTICAL
4	2436.33	111.27			79.40	3.77	28.10	0.00	194	240	Average	VERTICAL
5	2483.60	43.26	54.00	-10.74	11.42	3.82	28.02	0.00	194	240	Average	VERTICAL
6	2493.60	55.19	74.00	-18.81	23.36	3.83	28.00	0.00	194	240	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.00	114.03			82.18	3.80	28.05	0.00	198	217	Peak	VERTICAL
2	2461.17	110.16			78.31	3.80	28.05	0.00	198	217	Average	VERTICAL
3	2483.50	58.41	74.00	-15.59	26.57	3.82	28.02	0.00	198	217	Peak	VERTICAL
4	2483.50	47.84	54.00	-6.16	16.00	3.82	28.02	0.00	198	217	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	66.38	74.00	-7.62	34.49	3.75	28.14	0.00	205	278	Peak	VERTICAL
2	2390.00	52.69	54.00	-1.31	20.80	3.75	28.14	0.00	205	278	Average	VERTICAL
3	2411.00	103.89			72.01	3.76	28.12	0.00	205	278	Average	VERTICAL
4	2411.17	113.95			82.07	3.76	28.12	0.00	205	278	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2366.00	45.55	54.00	-8.45	13.64	3.72	28.19	0.00	207	267	Average	VERTICAL
2	2389.67	60.25	74.00	-13.75	28.36	3.75	28.14	0.00	207	267	Peak	VERTICAL
3	2436.00	107.09			75.22	3.77	28.10	0.00	207	267	Average	VERTICAL
4	2436.33	116.93			85.06	3.77	28.10	0.00	207	267	Peak	VERTICAL
5	2488.50	55.97	74.00	-18.03	24.14	3.83	28.00	0.00	207	267	Peak	VERTICAL
6	2488.50	43.80	54.00	-10.20	11.97	3.83	28.00	0.00	207	267	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2462.67	113.02			81.17	3.80	28.05	0.00	272	235	Peak	VERTICAL
2	2462.83	103.07			71.22	3.80	28.05	0.00	272	235	Average	VERTICAL
3	2483.50	52.56	54.00	-1.44	20.72	3.82	28.02	0.00	272	235	Average	VERTICAL
4	2483.67	70.53	74.00	-3.47	38.69	3.82	28.02	0.00	272	235	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 2462 MHz.

Temperature	24°C	Humidity	65%
Test Date	Oct. 15, 2015	Configurations	IEEE 802.11n MCS0 HT20 CH 1, 6, 11 / Chain 1 + Chain 2
Test Engineer	Brian Sun		
Test Mode	Mode 5 (Set 8 Patch antenna / 3.53dBi / 2TX)		

Channel 1

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2389.17	69.55	74.00	-4.45	37.66	3.75	28.14	0.00	206	295	Peak	VERTICAL
2	2389.33	52.78	54.00	-1.22	20.89	3.75	28.14	0.00	206	295	Average	VERTICAL
3	2411.67	102.72			70.84	3.76	28.12	0.00	206	295	Average	VERTICAL
4	2413.83	113.17			81.29	3.76	28.12	0.00	206	295	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 2412 MHz.

Channel 6

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2347.33	47.95	54.00	-6.05	16.02	3.71	28.22	0.00	183	234	Average	HORIZONTAL
2	2363.00	57.31	74.00	-16.69	25.40	3.72	28.19	0.00	183	234	Peak	HORIZONTAL
3	2436.67	100.99			69.13	3.79	28.07	0.00	183	234	Average	HORIZONTAL
4	2439.00	111.27			79.41	3.79	28.07	0.00	183	234	Peak	HORIZONTAL
5	2483.60	42.81	54.00	-11.19	10.97	3.82	28.02	0.00	183	234	Average	HORIZONTAL
6	2483.73	53.72	74.00	-20.28	21.88	3.82	28.02	0.00	183	234	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2437 MHz.

Channel 11

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2458.83	110.24			78.39	3.80	28.05	0.00	179	225	Peak	HORIZONTAL
2	2461.50	99.61			67.76	3.80	28.05	0.00	179	225	Average	HORIZONTAL
3	2483.83	50.82	54.00	-3.18	18.98	3.82	28.02	0.00	179	225	Average	HORIZONTAL
4	2484.33	72.74	74.00	-1.26	40.90	3.82	28.02	0.00	179	225	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2462 MHz.