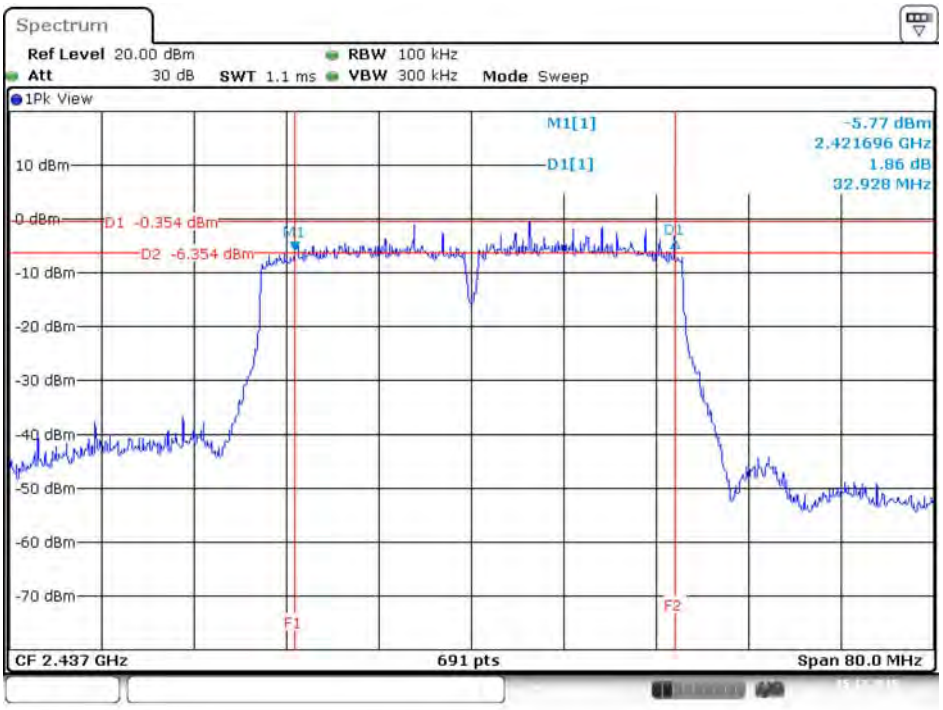
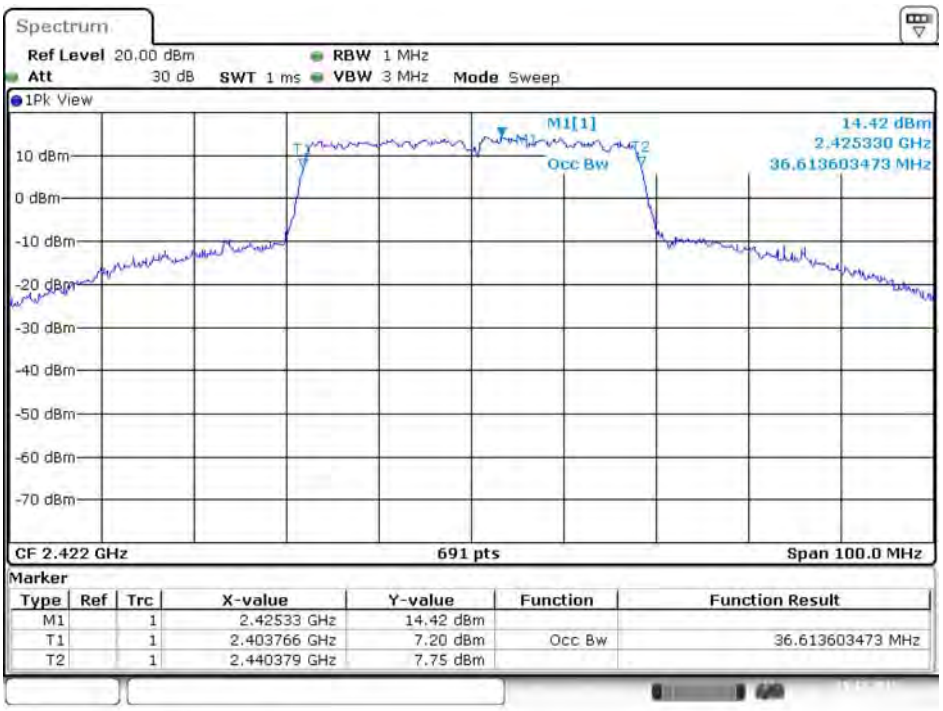
6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2437 MHz / Chain 4



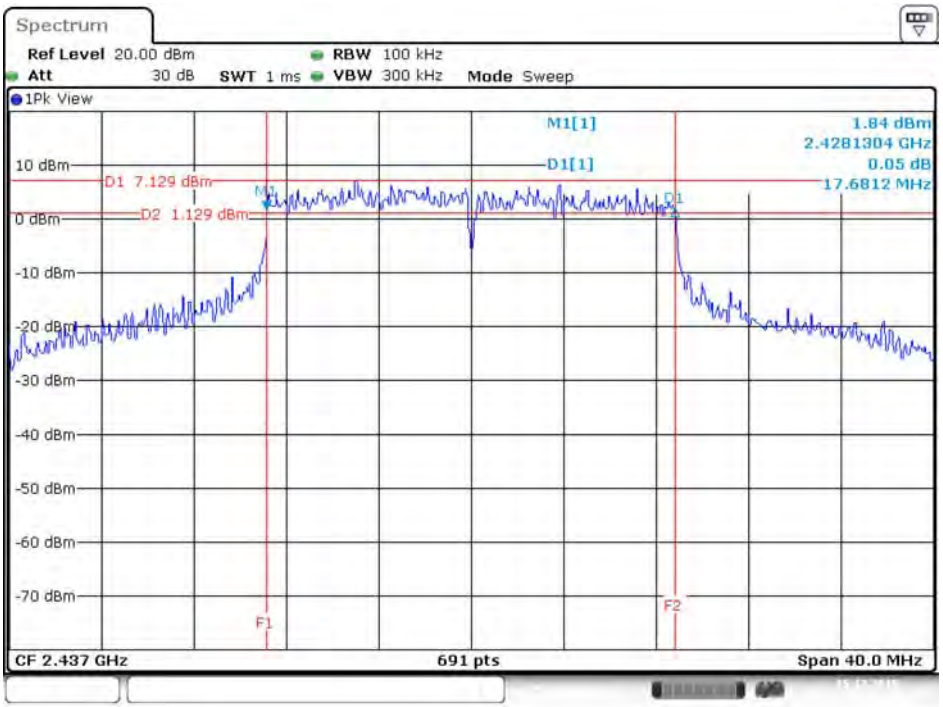
Date: 15.DEC.2015 11:26:34

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2422 MHz / Chain 4



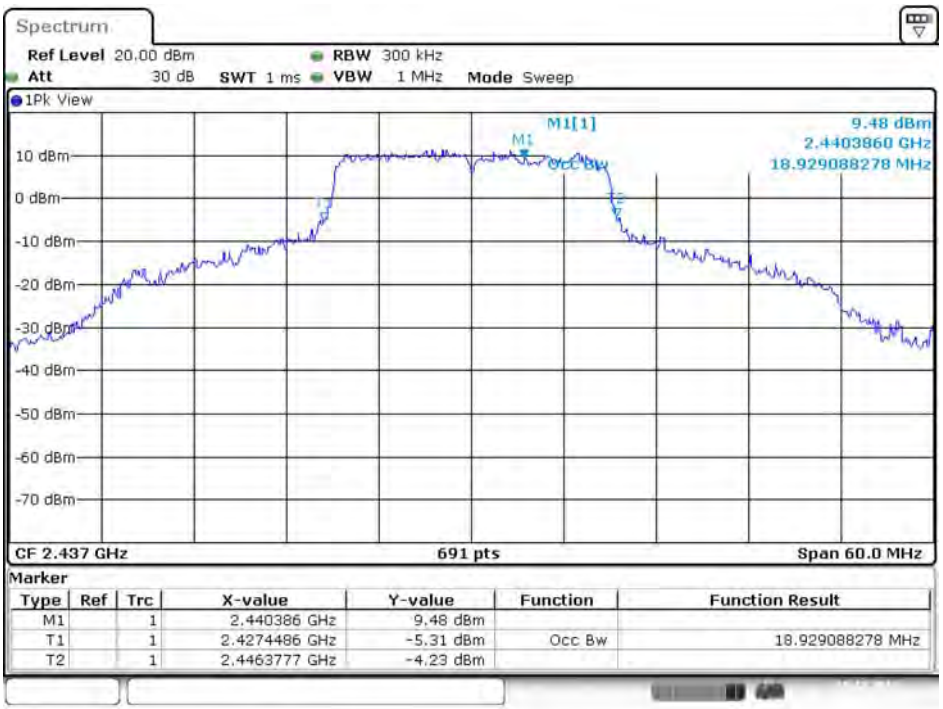
Date: 15.DEC.2015 14:57:20

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT20 / 2437 MHz / Chain 1



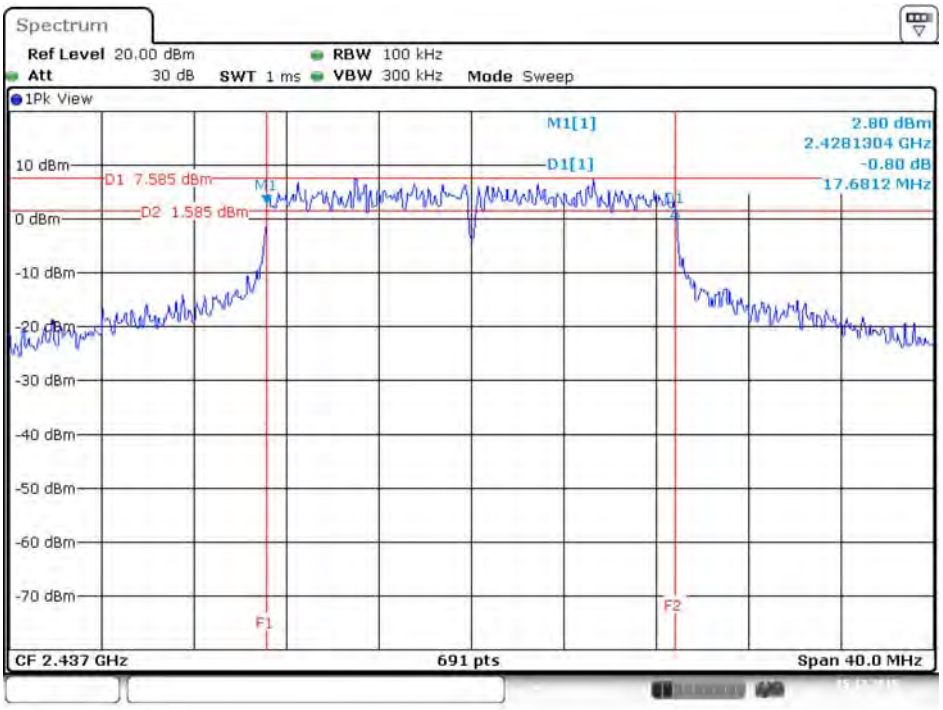
Date: 15.DEC.2015 11:36:51

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT20 / 2437 MHz / Chain 1



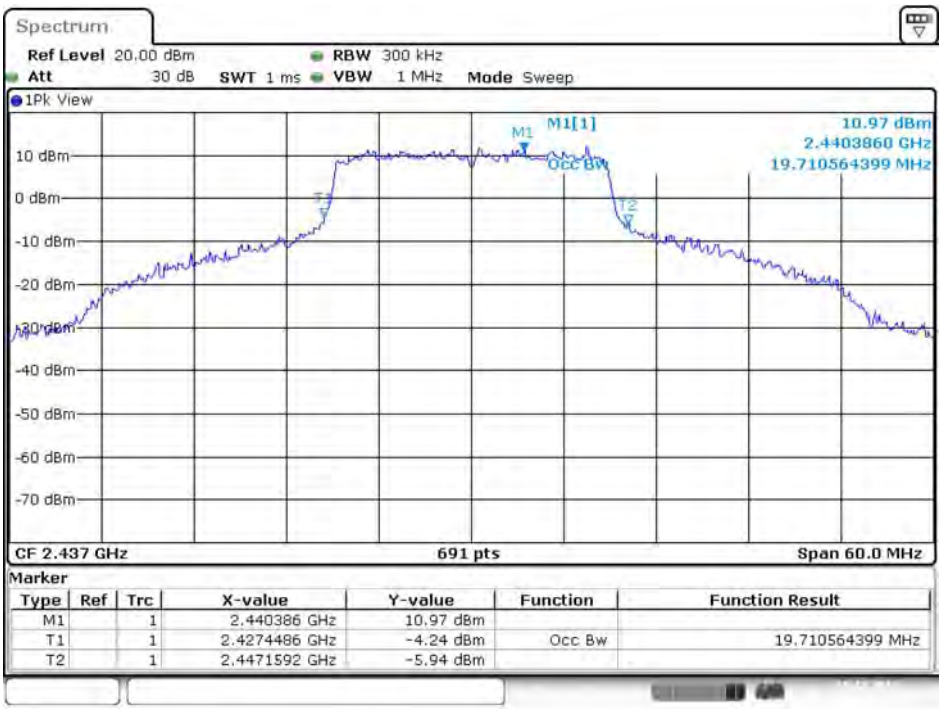
Date: 15.DEC.2015 15:37:19

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT20 / 2437 MHz / Chain 2



Date: 15.DEC.2015 11:36:39

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT20 / 2437 MHz / Chain 2

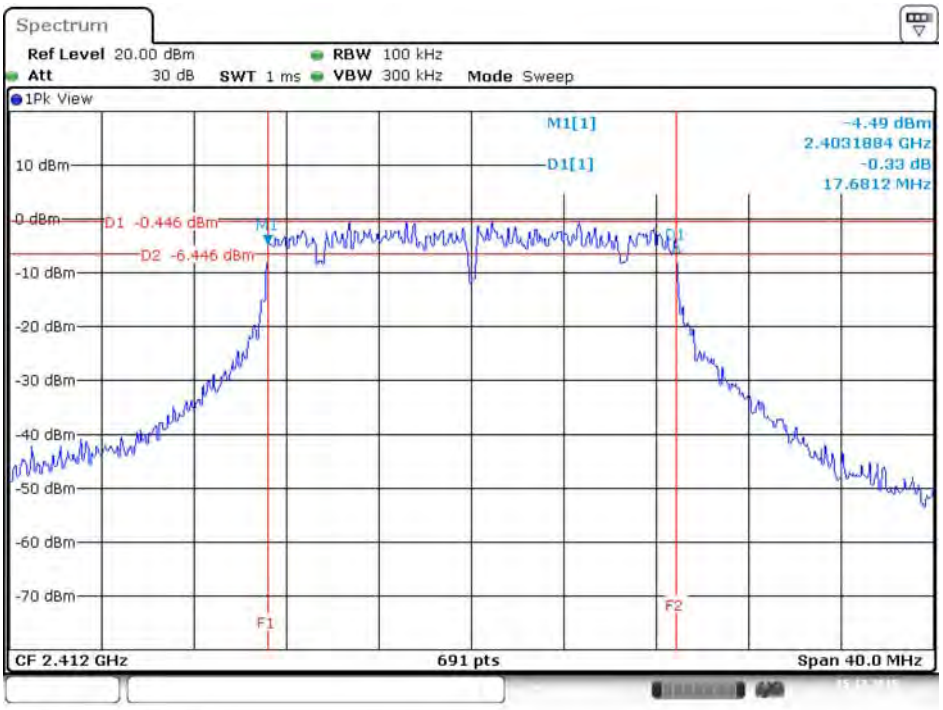


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.440386 GHz	10.97 dBm		
T1		1	2.4274486 GHz	-4.24 dBm	Occ Bw	19.710564399 MHz
T2		1	2.4471592 GHz	-5.94 dBm		

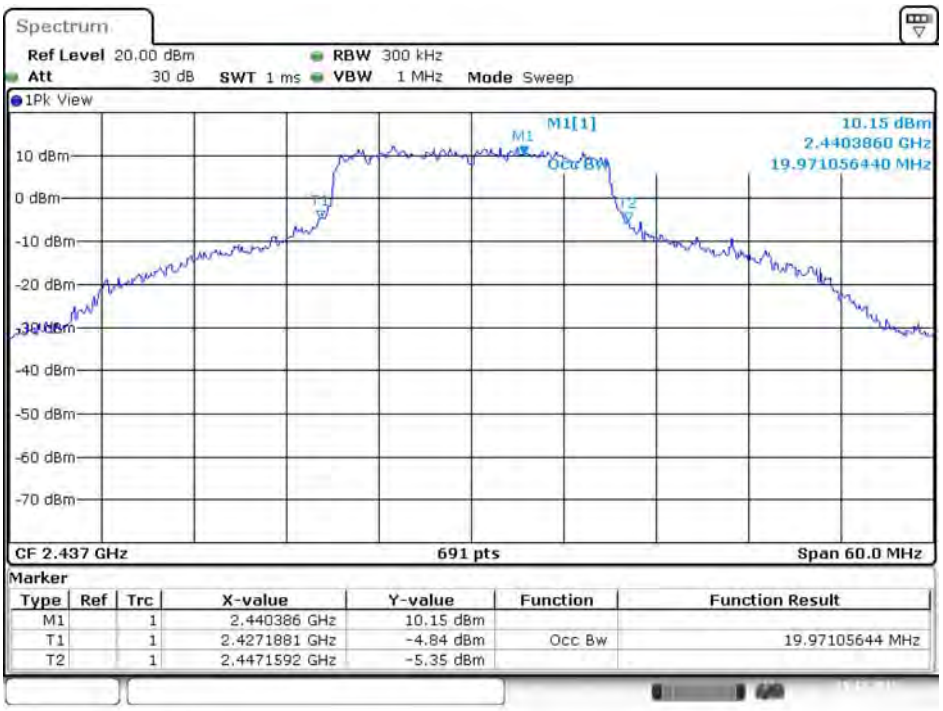
Date: 15.DEC.2015 15:37:01

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT20 / 2412 MHz / Chain 3



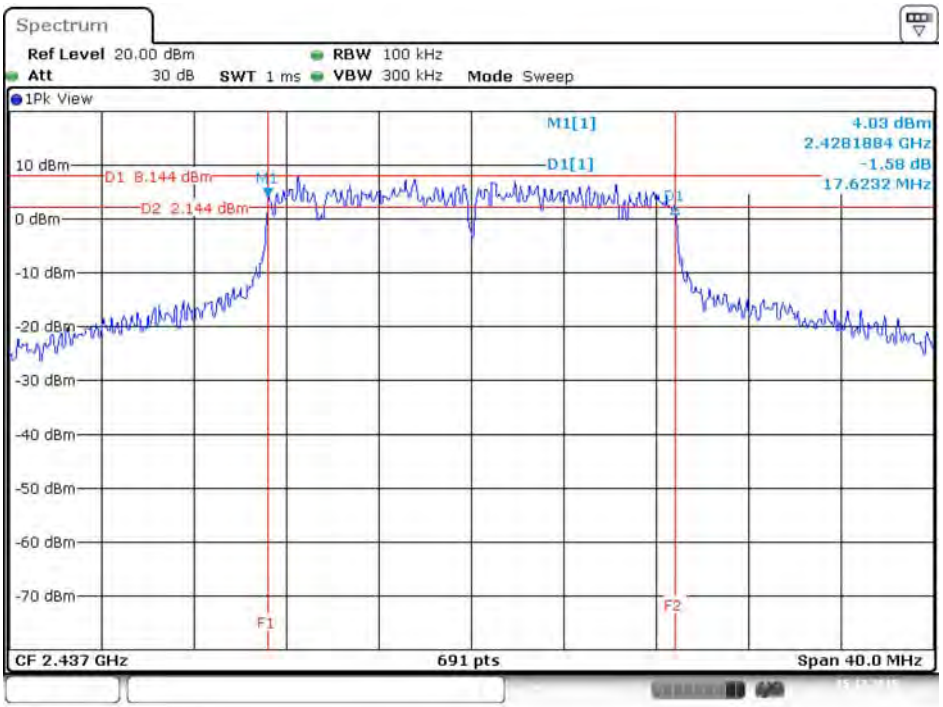
Date: 15.DEC.2015 11:34:13

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT20 / 2437 MHz / Chain 3



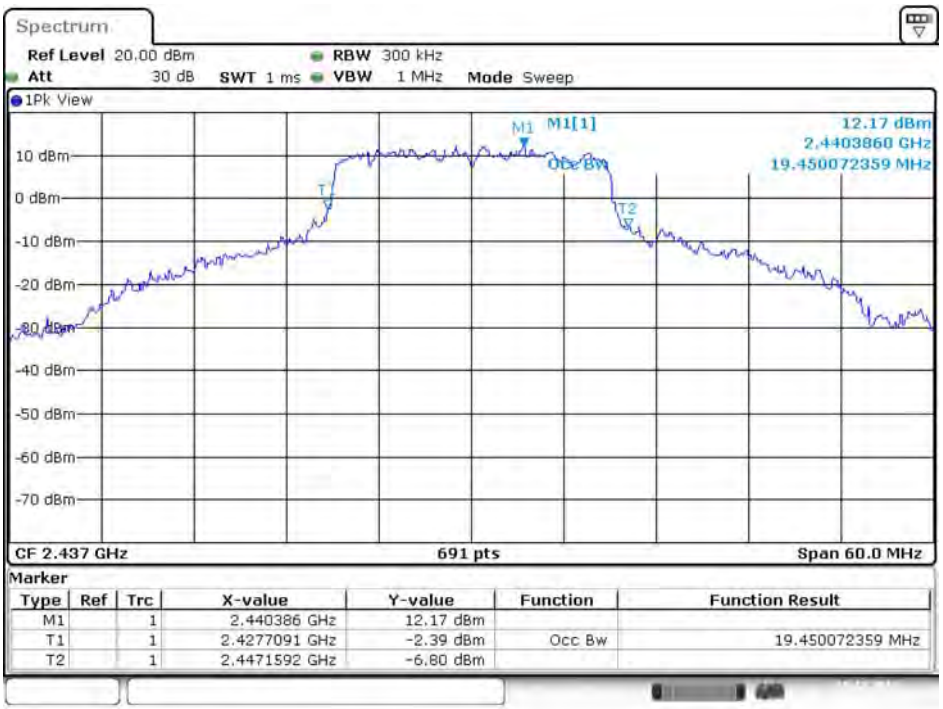
Date: 15.DEC.2015 15:36:05

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT20 / 2437 MHz / Chain 4



Date: 15.DEC.2015 11:36:15

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT20 / 2437 MHz / Chain 4

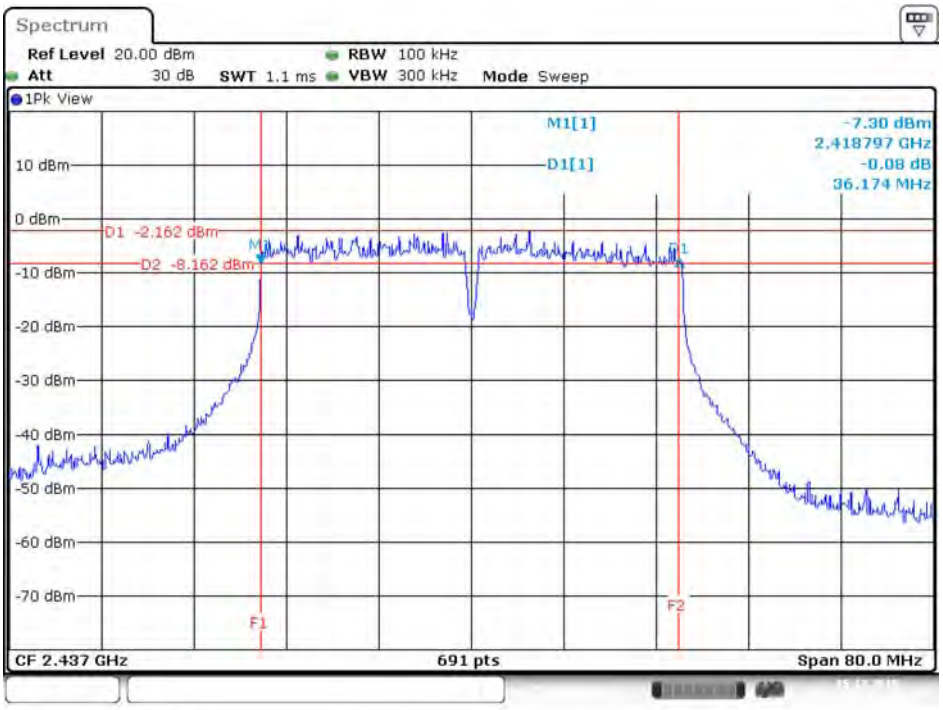


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.440386 GHz	12.17 dBm		
T1		1	2.4277091 GHz	-2.39 dBm	Occ Bw	19.450072359 MHz
T2		1	2.4471592 GHz	-6.80 dBm		

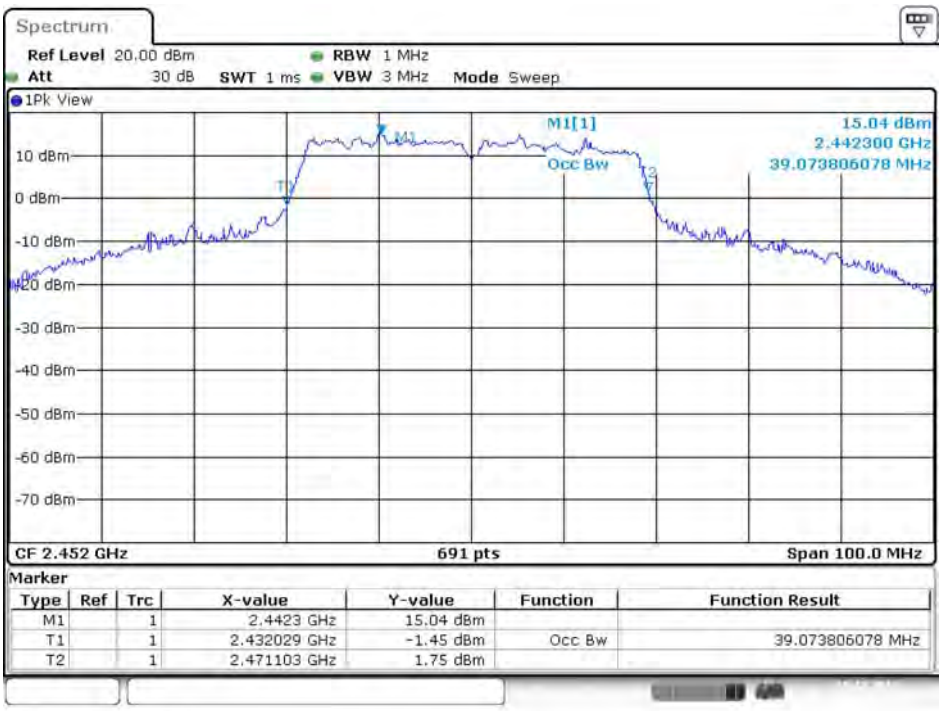
Date: 15.DEC.2015 15:35:52

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT40 / 2437 MHz / Chain 1



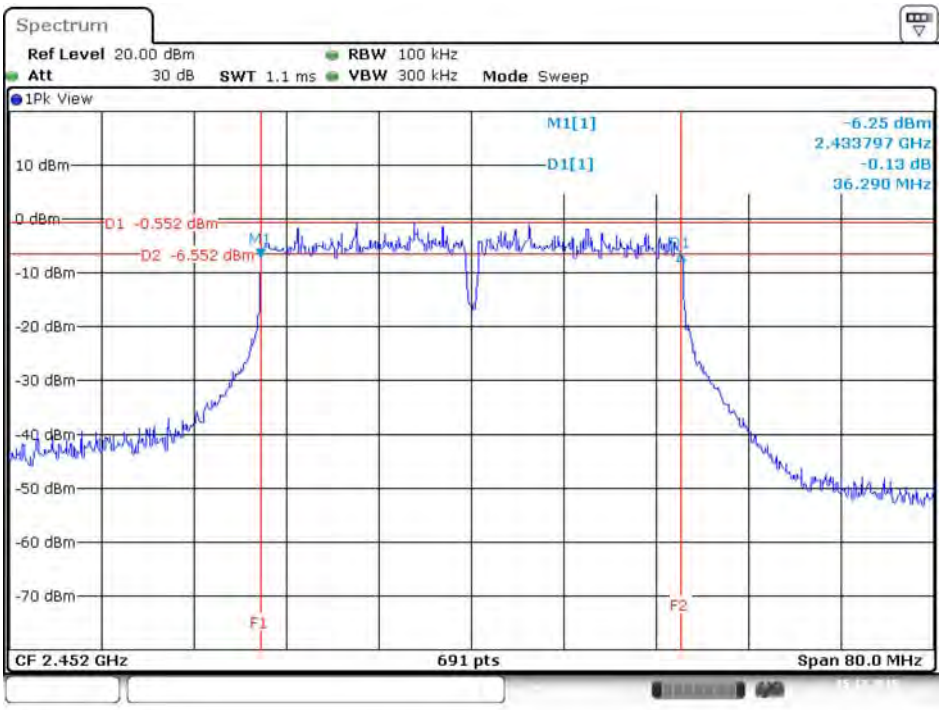
Date: 15.DEC.2015 11:47:31

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT40 / 2452 MHz / Chain 1



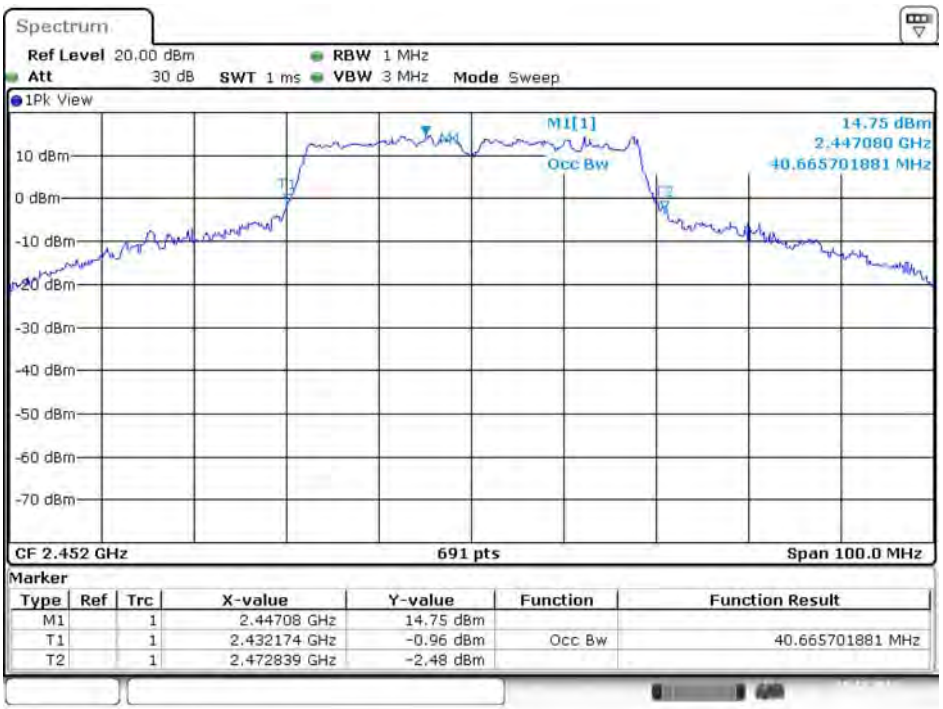
Date: 15.DEC.2015 15:06:26

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT40 / 2452 MHz / Chain 2



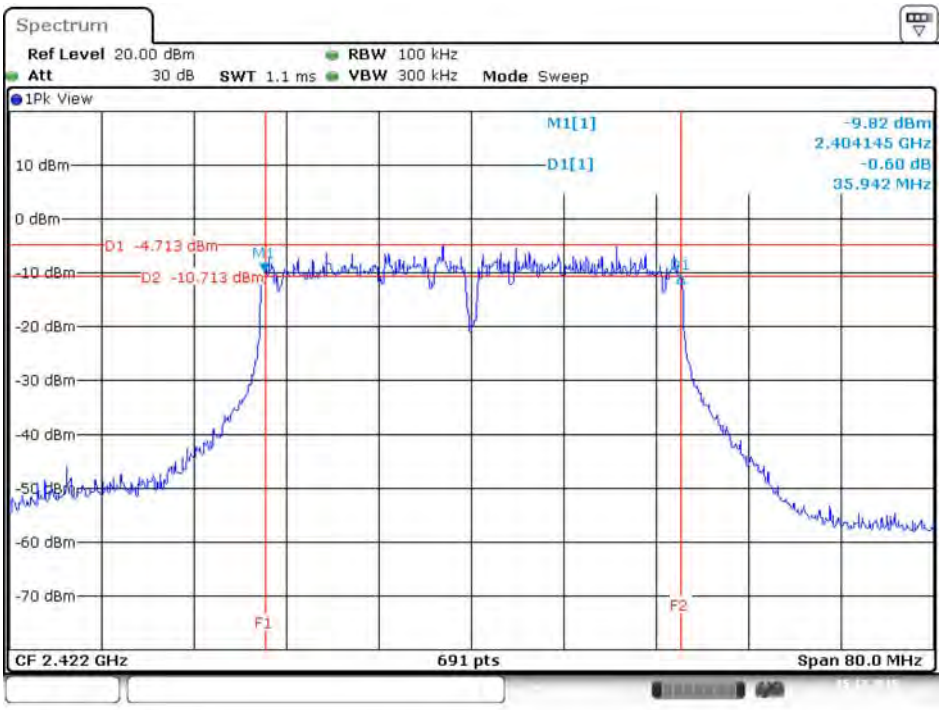
Date: 15.DEC.2015 11:49:04

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT40 / 2452 MHz / Chain 2



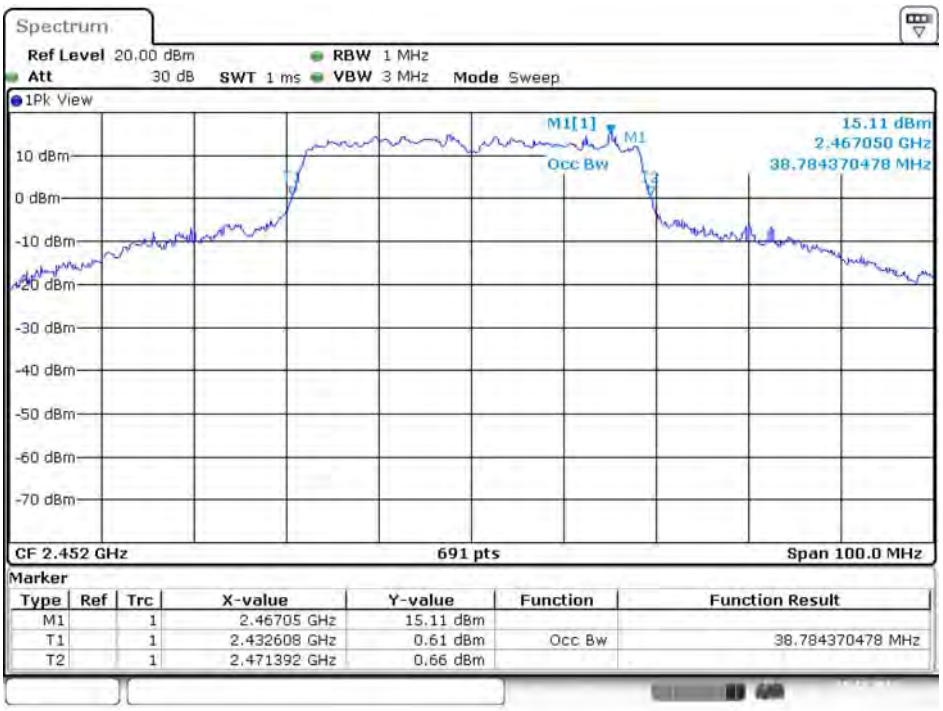
Date: 15.DEC.2015 15:06:06

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT40 / 2422 MHz / Chain 3



Date: 15.DEC.2015 11:44:48

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT40 / 2452 MHz / Chain 3

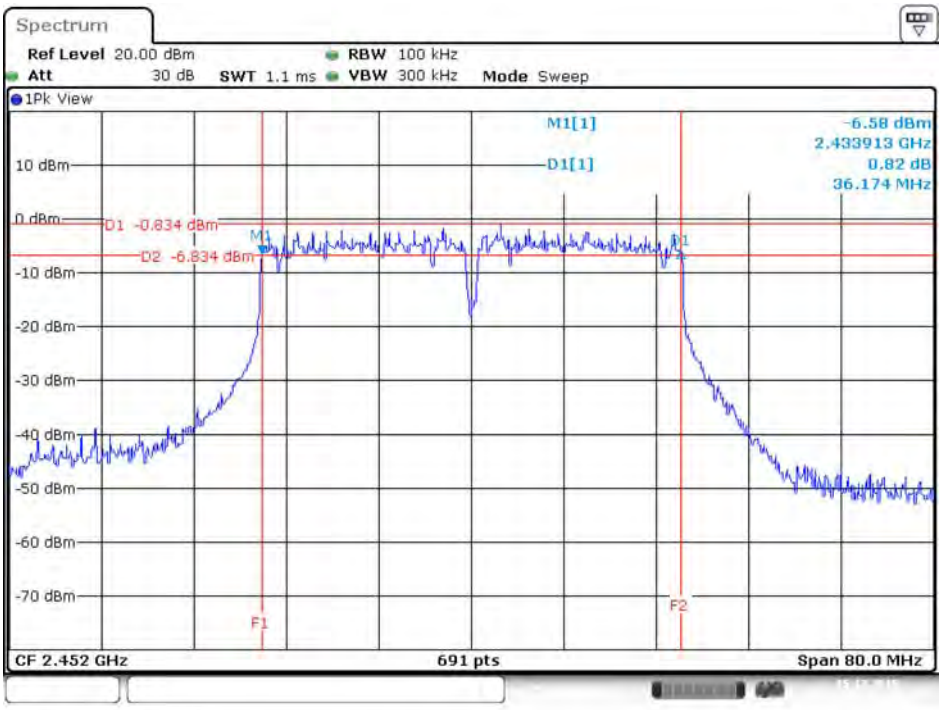


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.46705 GHz	15.11 dBm		
T1		1	2.432608 GHz	0.61 dBm	Occ Bw	38.784370478 MHz
T2		1	2.471392 GHz	0.66 dBm		

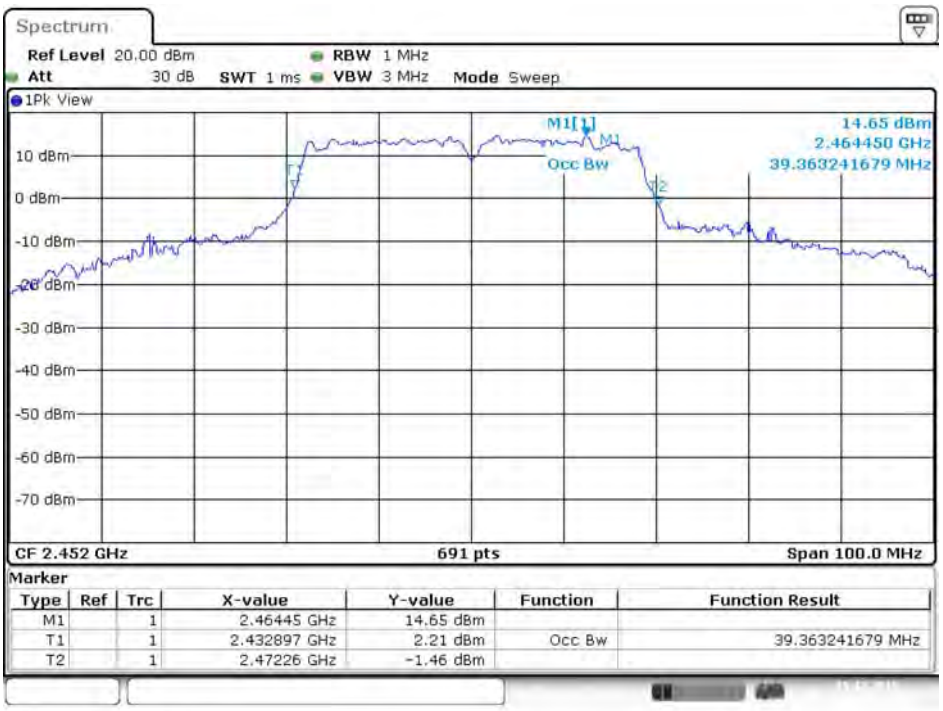
Date: 15.DEC.2015 15:05:54

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT40 / 2452 MHz / Chain 4



Date: 15.DEC.2015 11:49:27

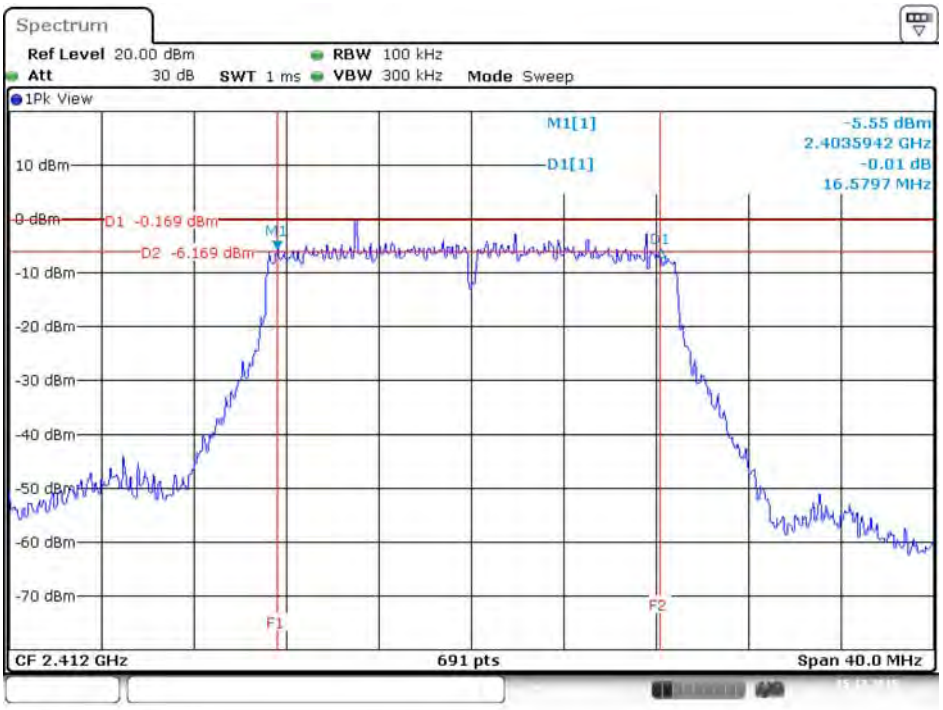
99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss4 VHT40 / 2422 MHz / Chain 4



Date: 15.DEC.2015 15:05:29

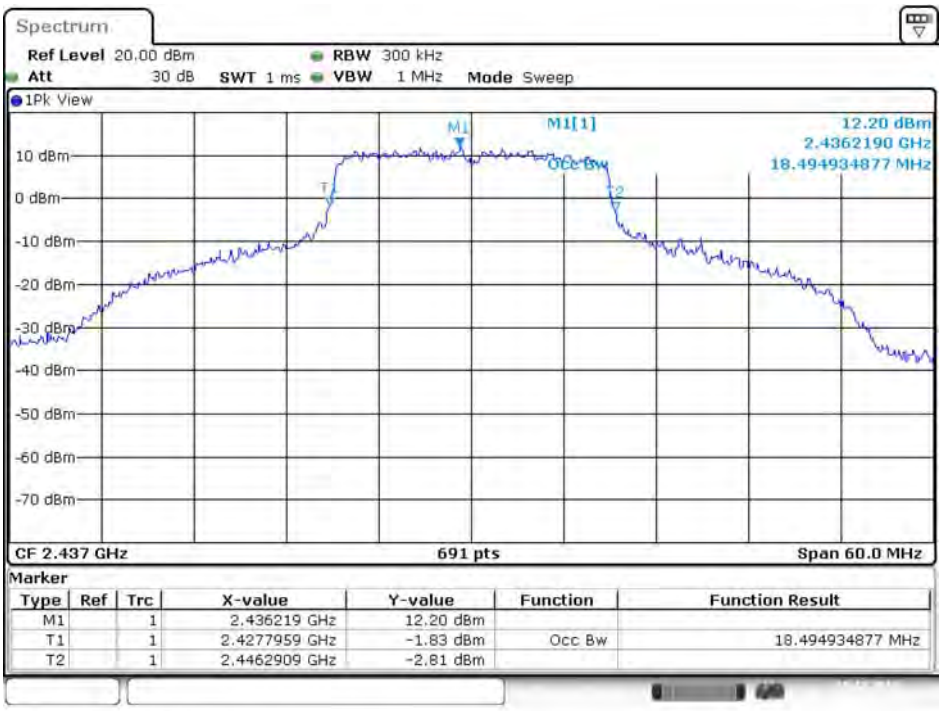
<For Radio 1 Beamforming Mode>

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / 2412 MHz / Chain 1



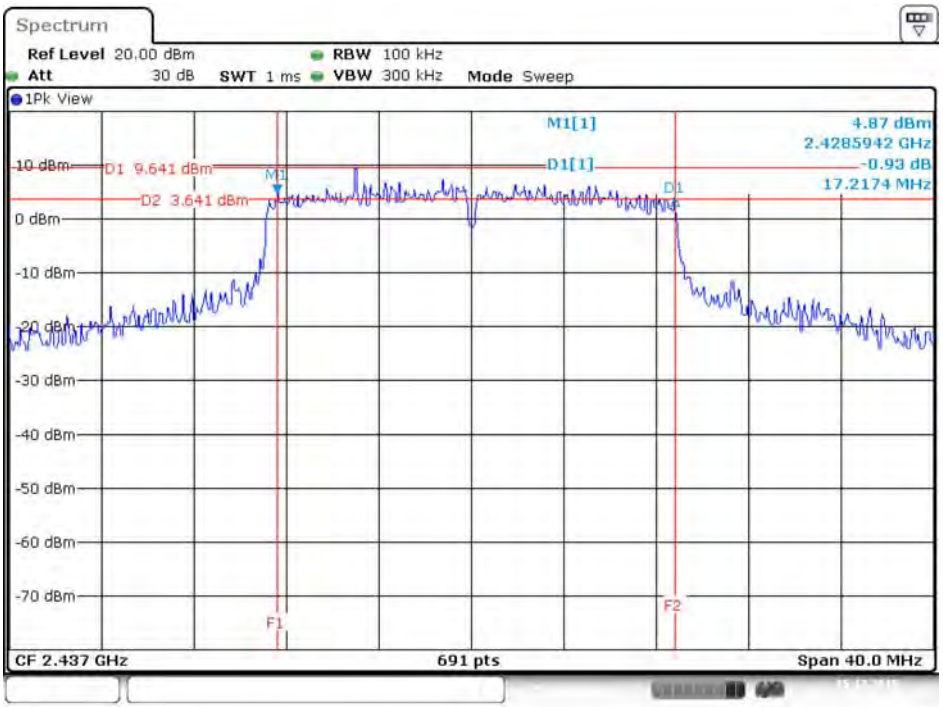
Date: 15.DEC.2015 11:53:05

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / 2437 MHz / Chain 1



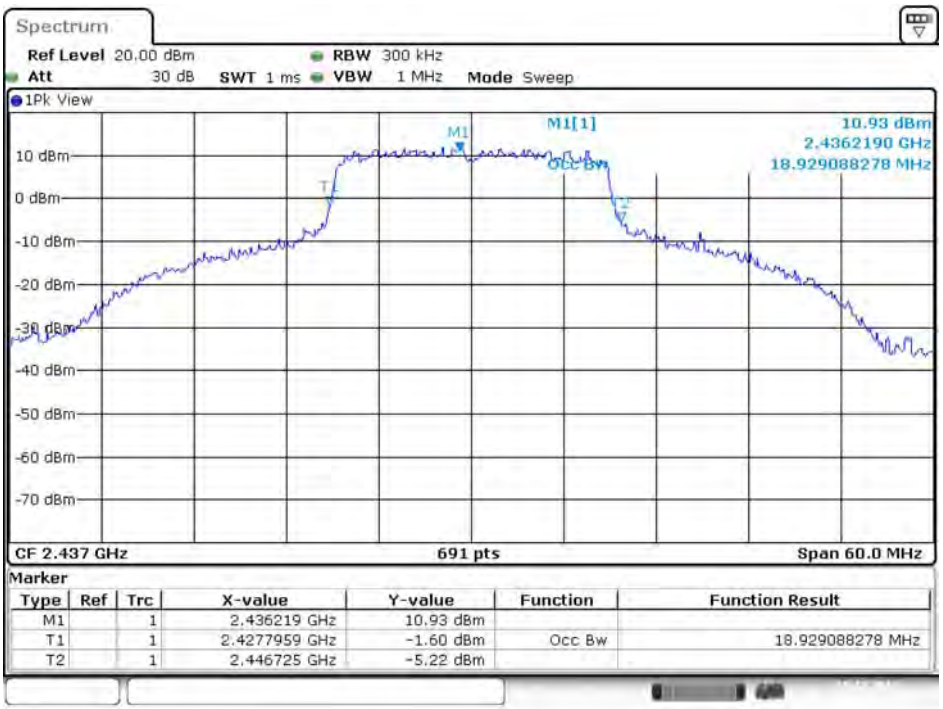
Date: 15.DEC.2015 16:24:59

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / 2437 MHz / Chain 2



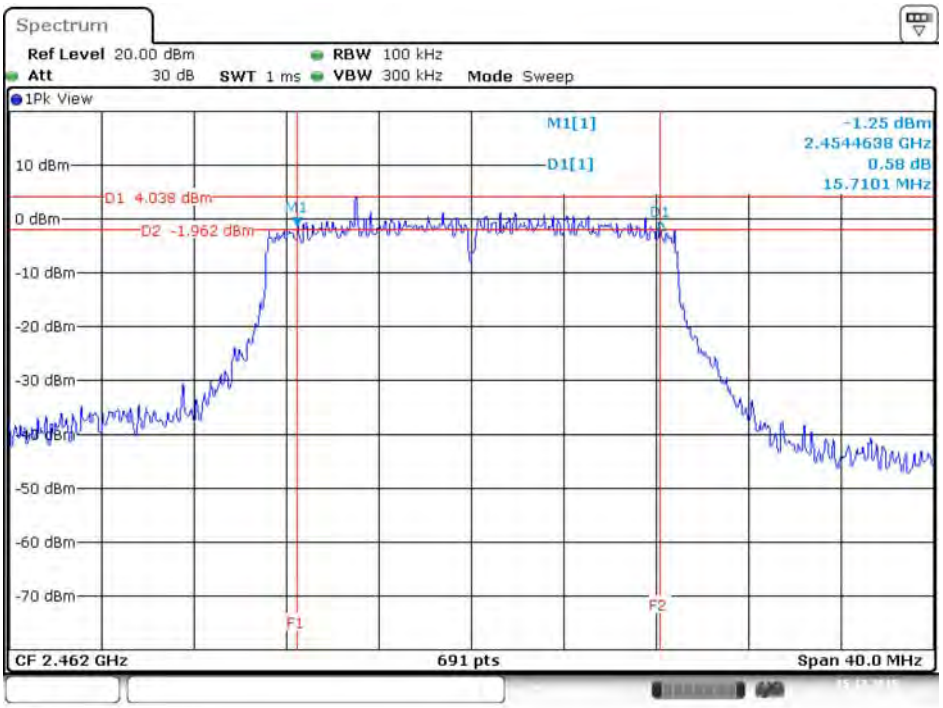
Date: 15.DEC.2015 11:55:37

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / 2437 MHz / Chain 2



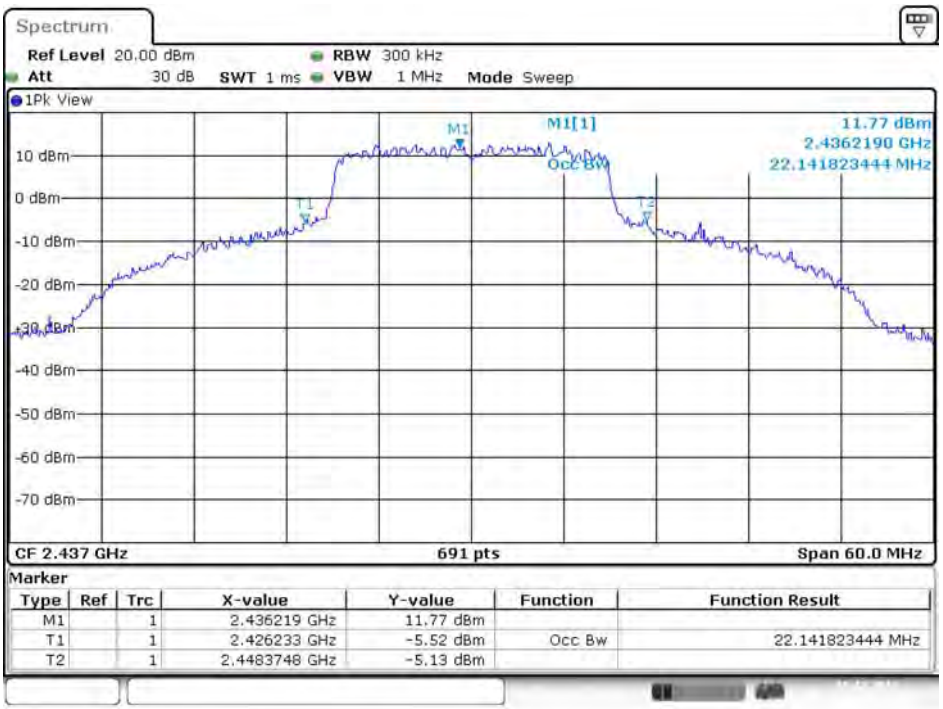
Date: 15.DEC.2015 16:25:11

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / 2462 MHz / Chain 3



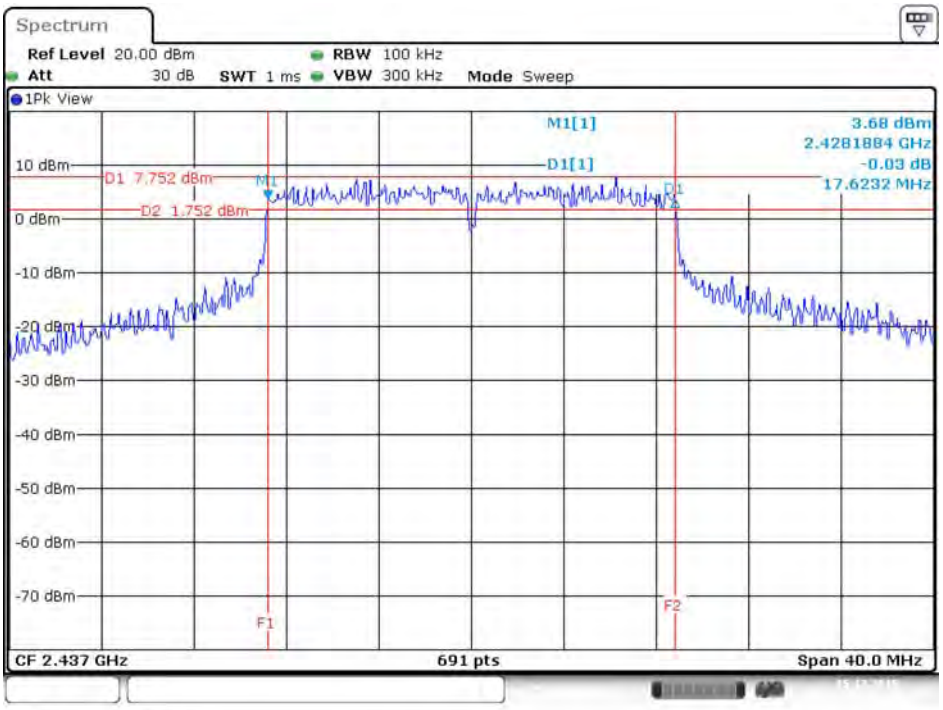
Date: 15.DEC.2015 11:57:09

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / 2437 MHz / Chain 3



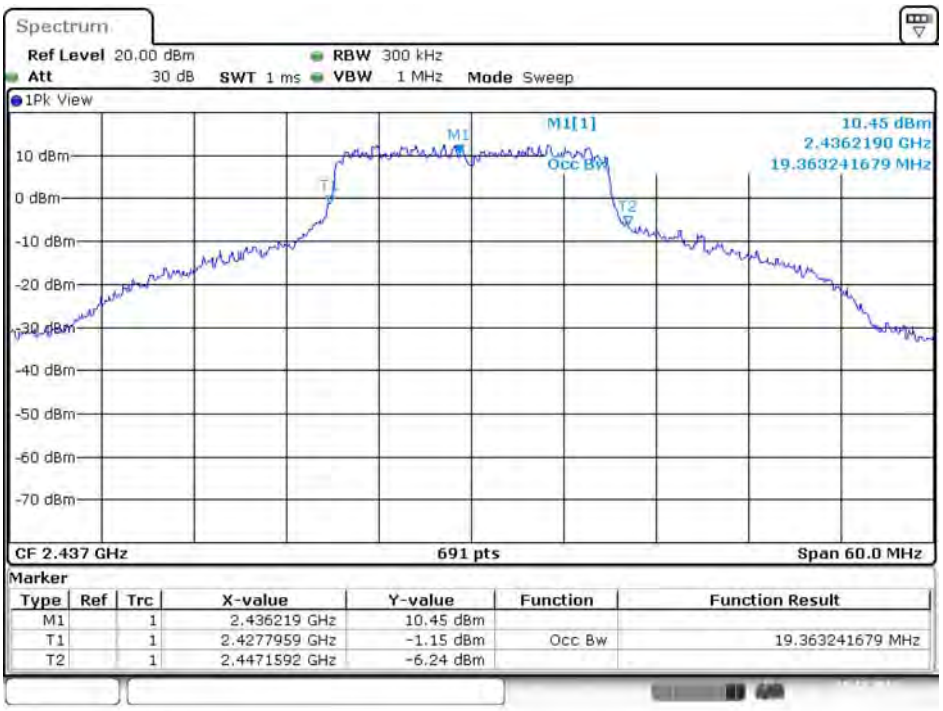
Date: 15.DEC.2015 16:25:23

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / 2437 MHz / Chain 4



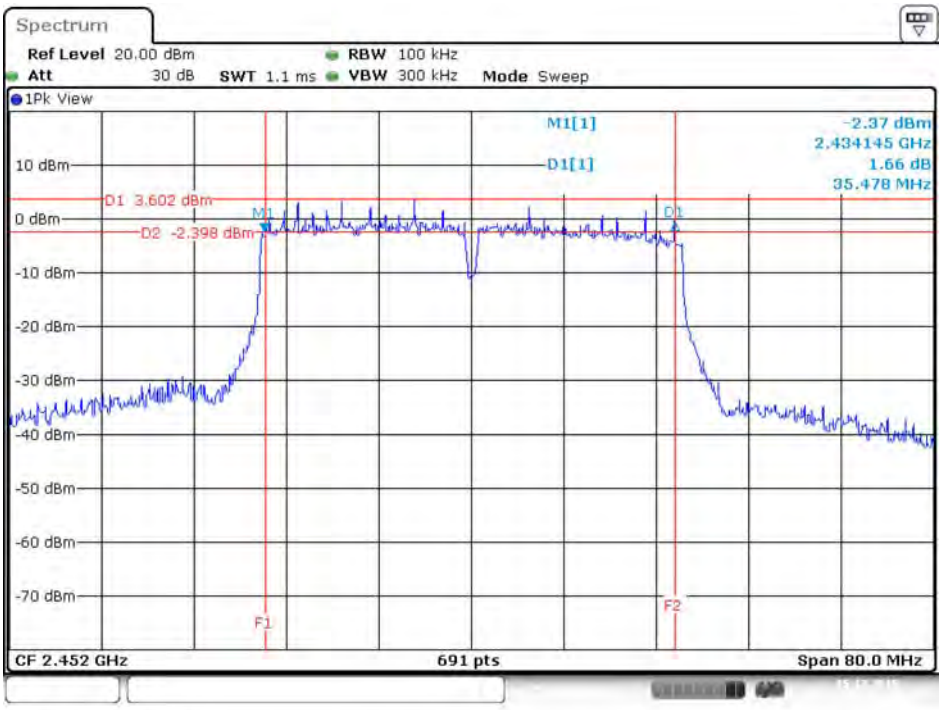
Date: 15.DEC.2015 11:55:59

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / 2437 MHz / Chain 4



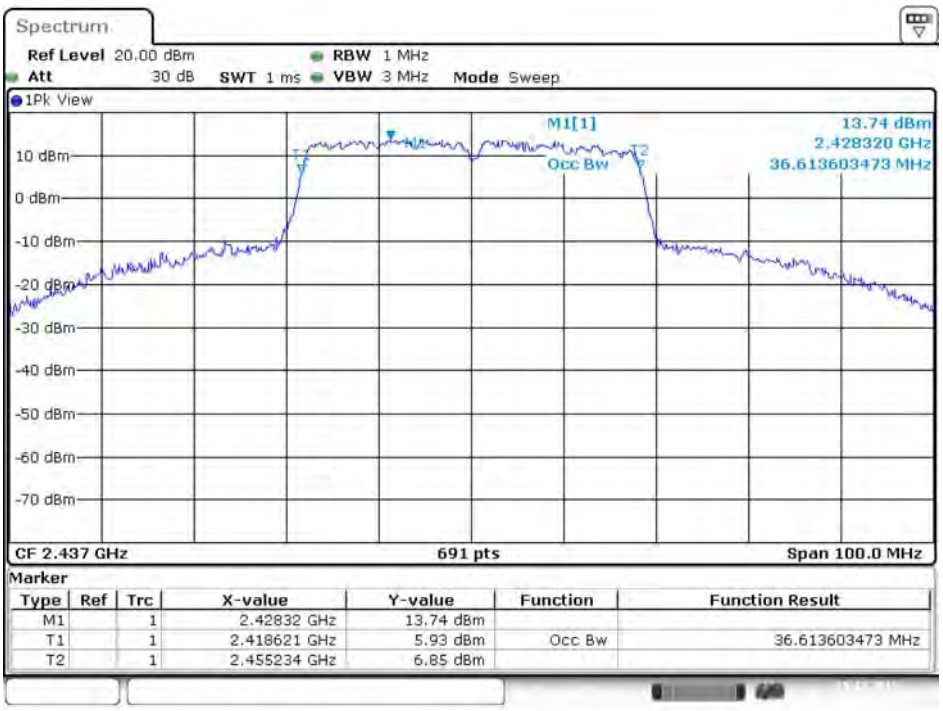
Date: 15.DEC.2015 16:25:36

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2452 MHz / Chain 1



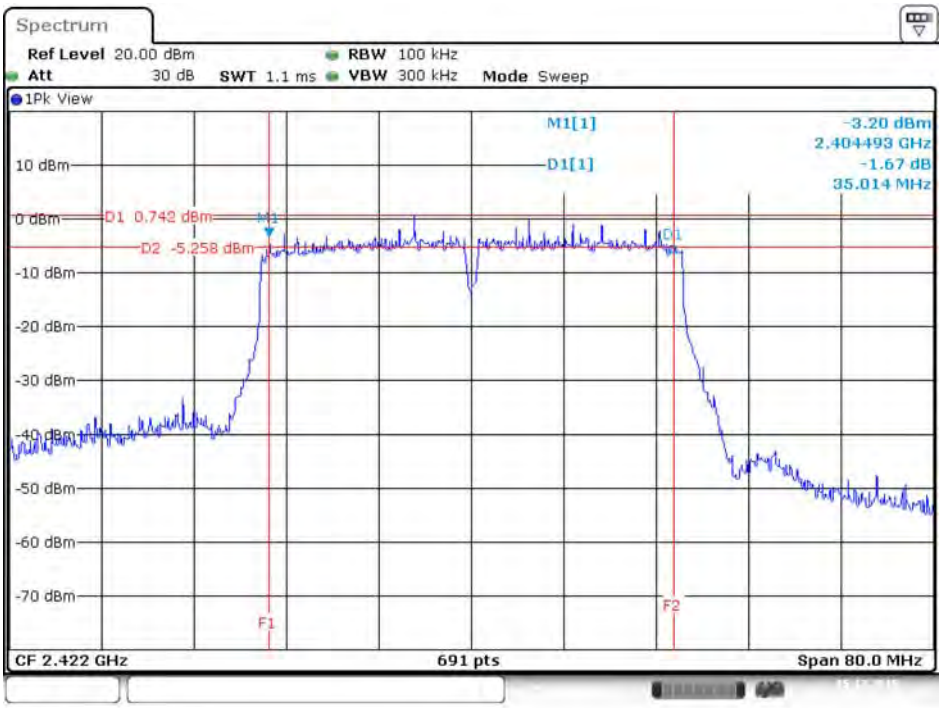
Date: 15.DEC.2015 13:39:54

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2437 MHz / Chain 1



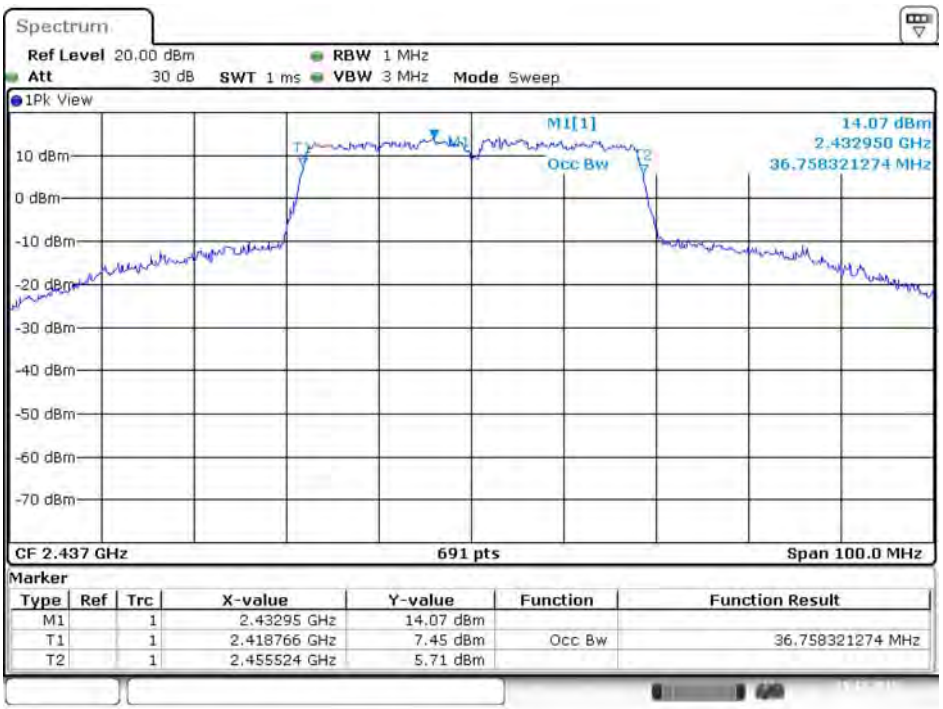
Date: 15.DEC.2015 14:50:06

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2422 MHz / Chain 2



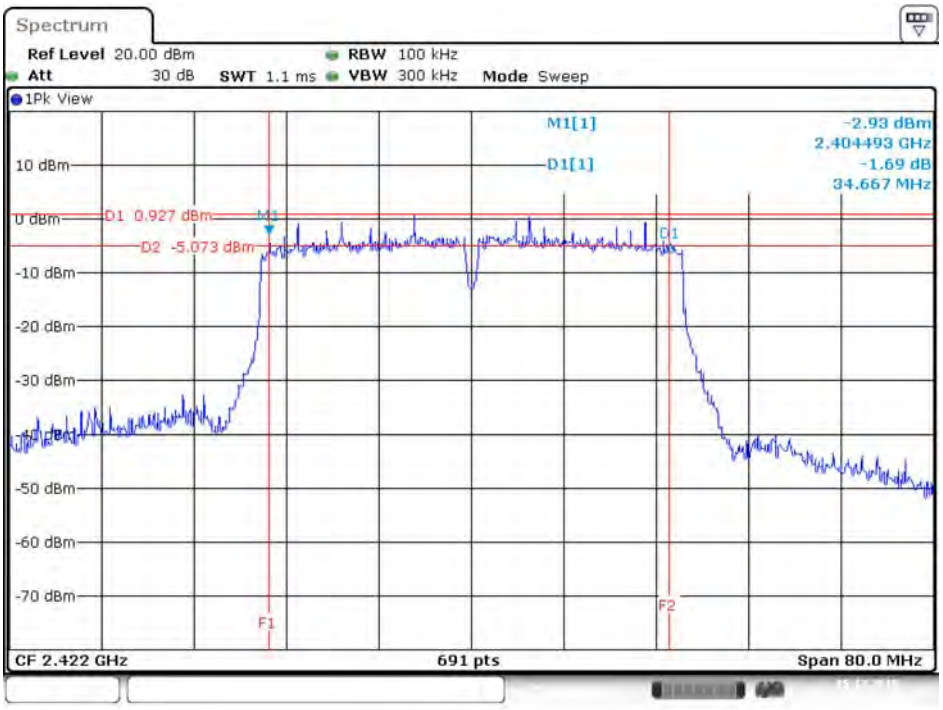
Date: 15.DEC.2015 13:36:23

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2437 MHz / Chain 2



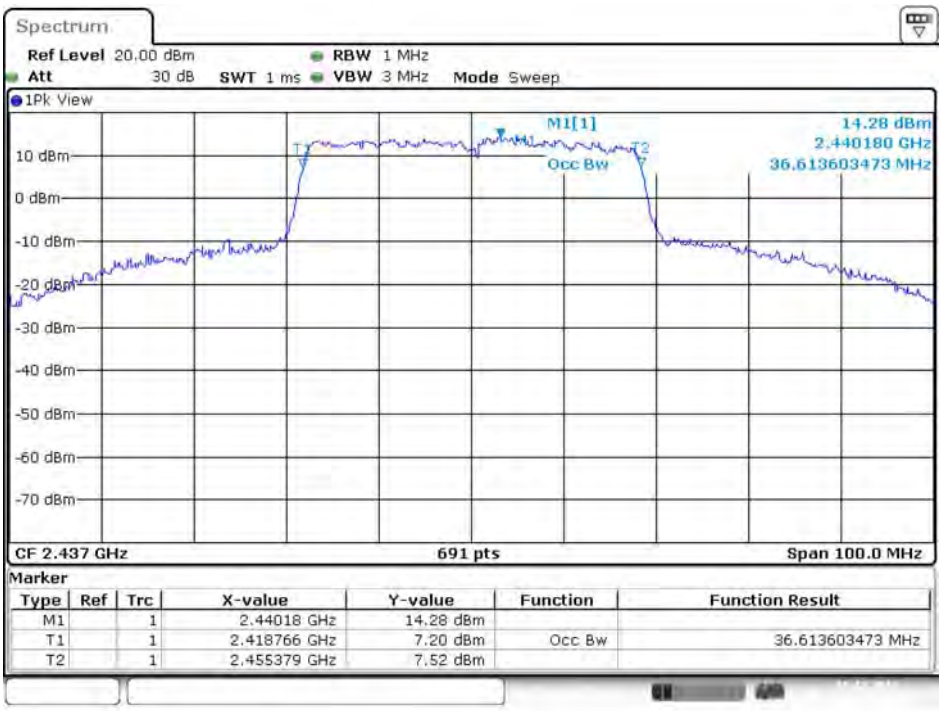
Date: 15.DEC.2015 14:49:58

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2422 MHz / Chain 3



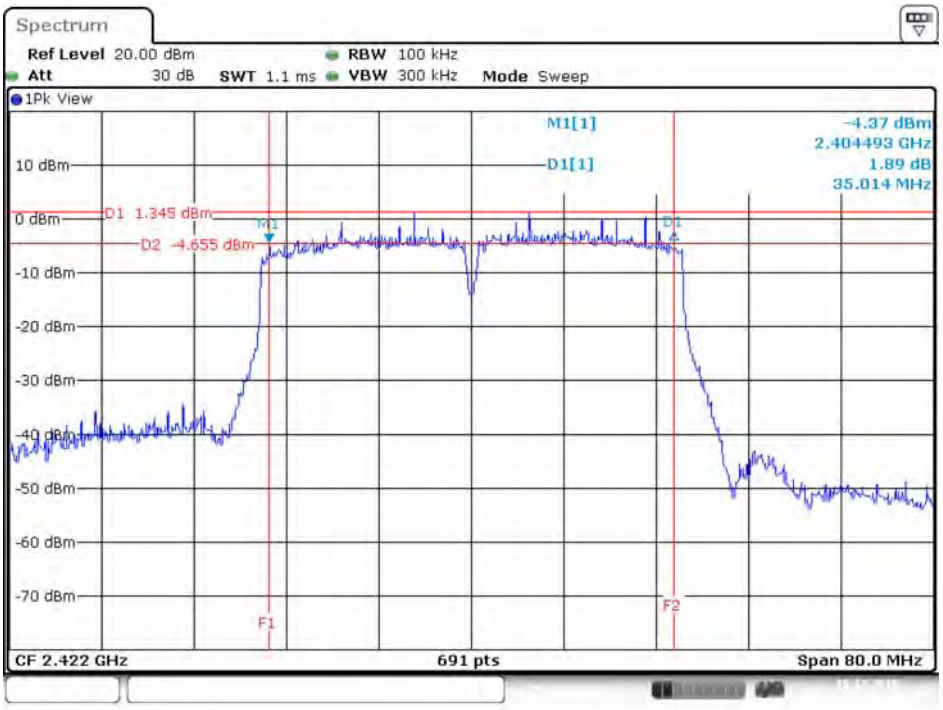
Date: 15.DEC.2015 13:36:34

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2437 MHz / Chain 3



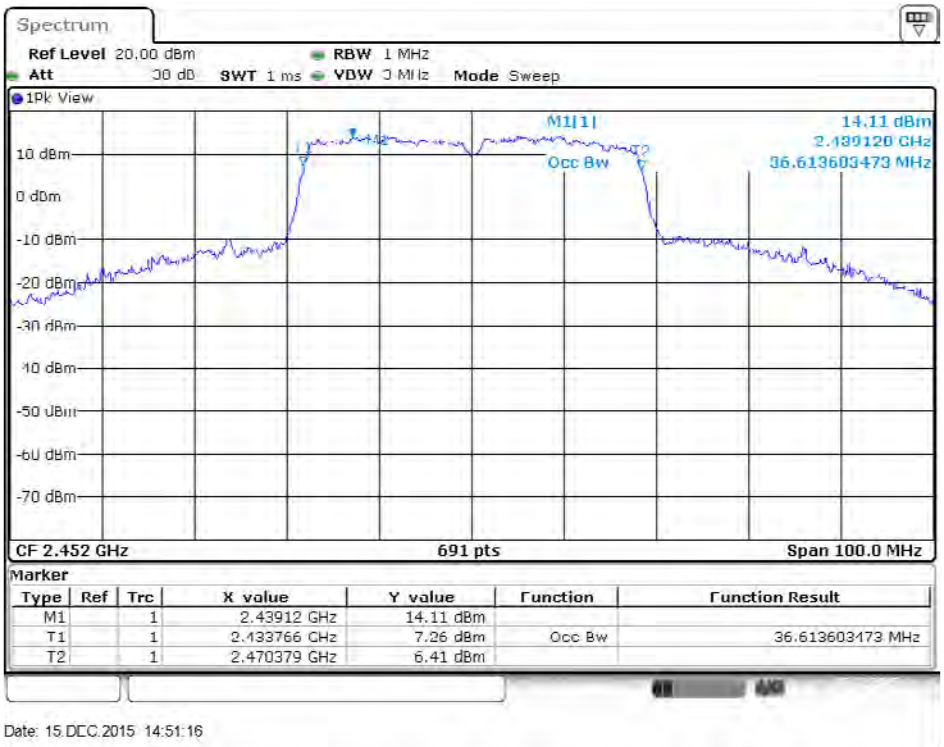
Date: 15.DEC.2015 14:49:50

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2422 MHz / Chain 4



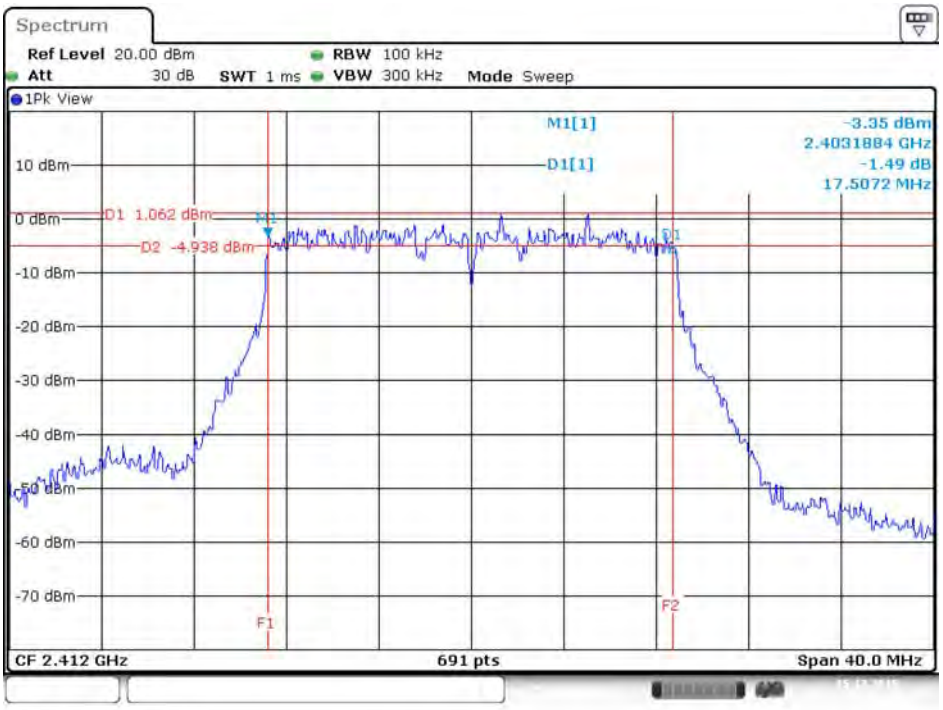
Date: 15.DEC.2015 13:36:46

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2452 MHz / Chain 4



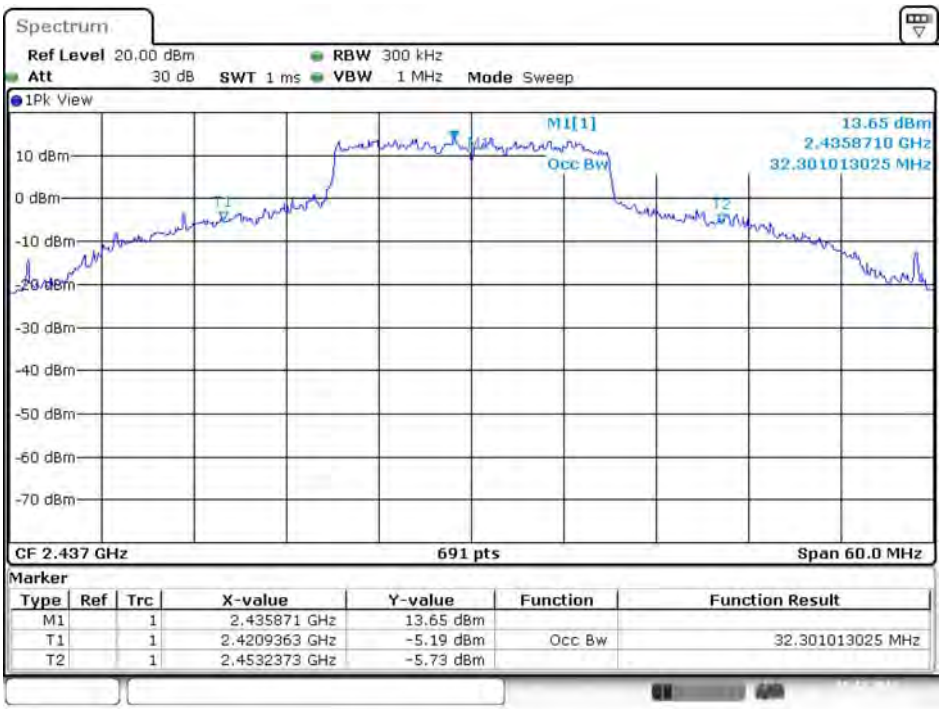
Date: 15.DEC.2015 14:51:16

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT20 / 2412 MHz / Chain 1



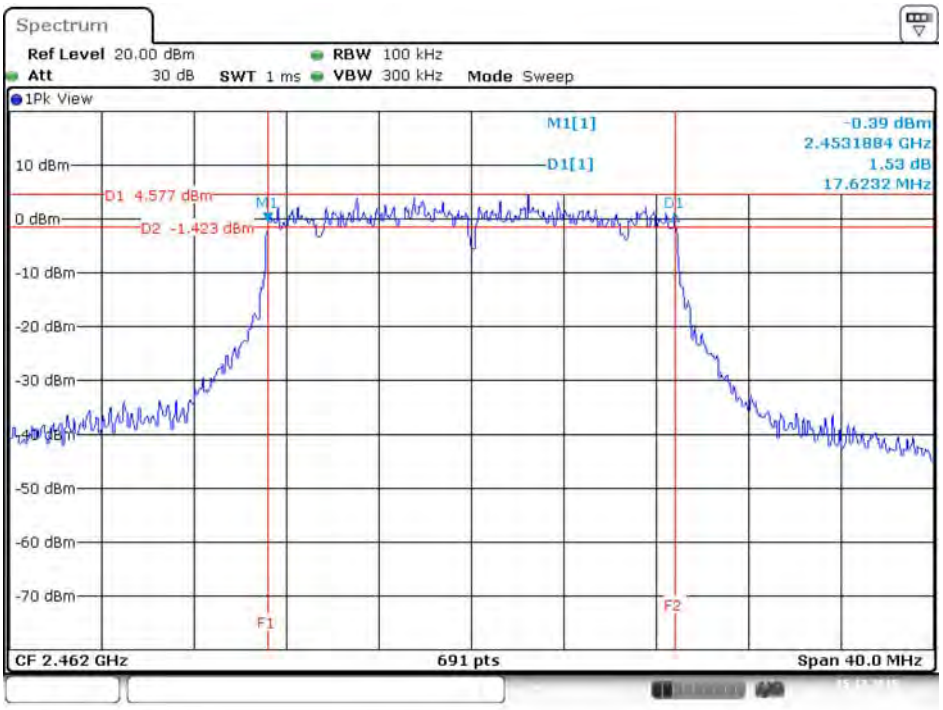
Date: 15.DEC.2015 13:42:34

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT20 / 2437 MHz / Chain 1



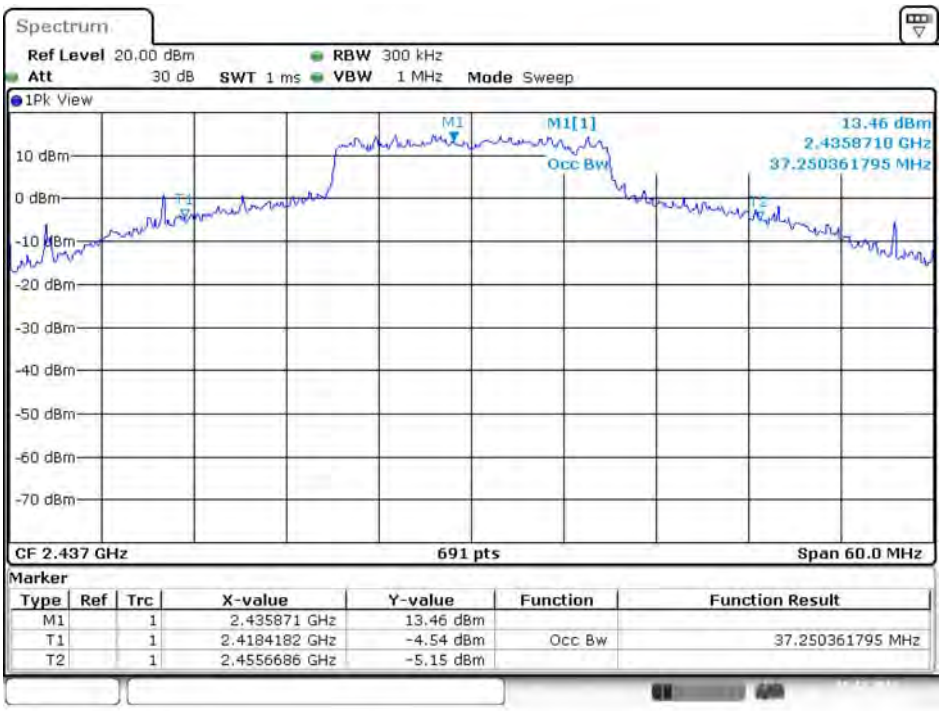
Date: 15.DEC.2015 16:34:24

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT20 / 2462 MHz / Chain 2



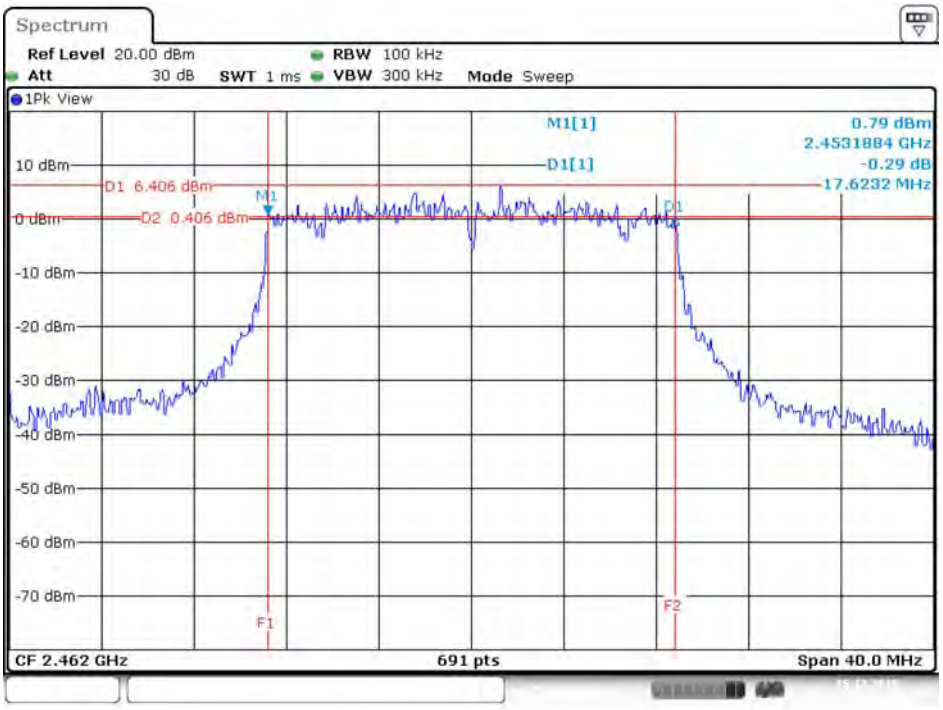
Date: 15.DEC.2015 13:51:50

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT20 / 2437 MHz / Chain 2



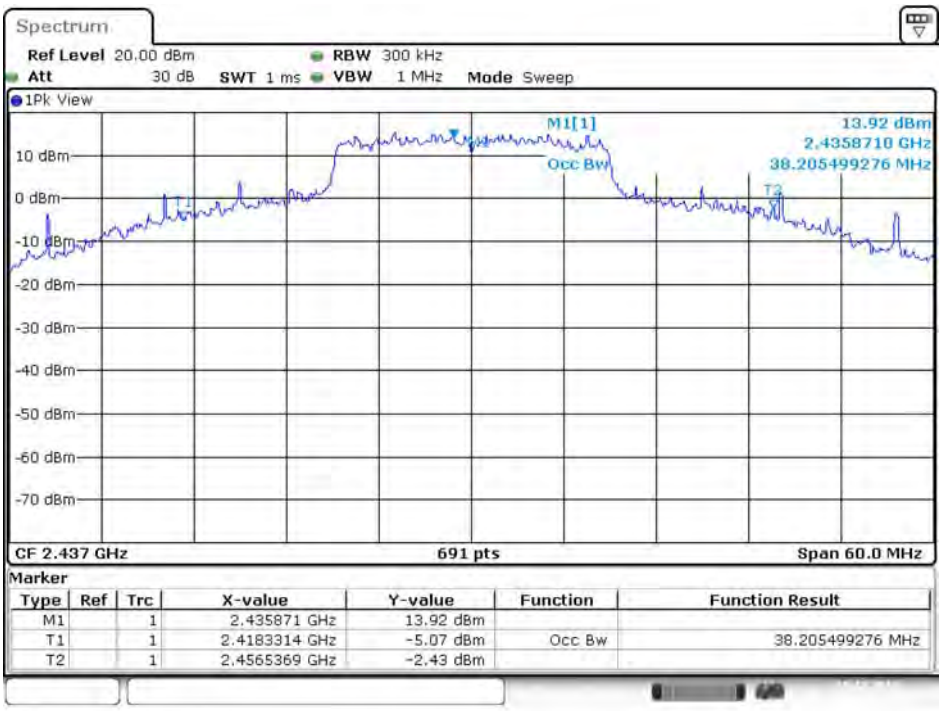
Date: 15.DEC.2015 16:34:10

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT20 / 2412 MHz / Chain 3



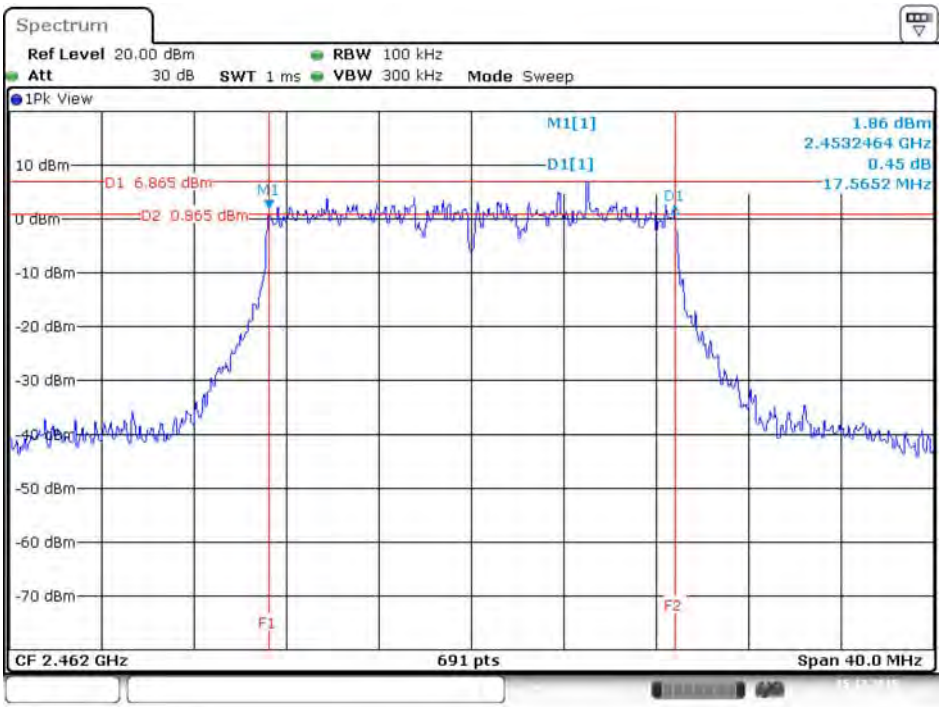
Date: 15.DEC.2015 13:48:36

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT20 / 2437 MHz / Chain 3



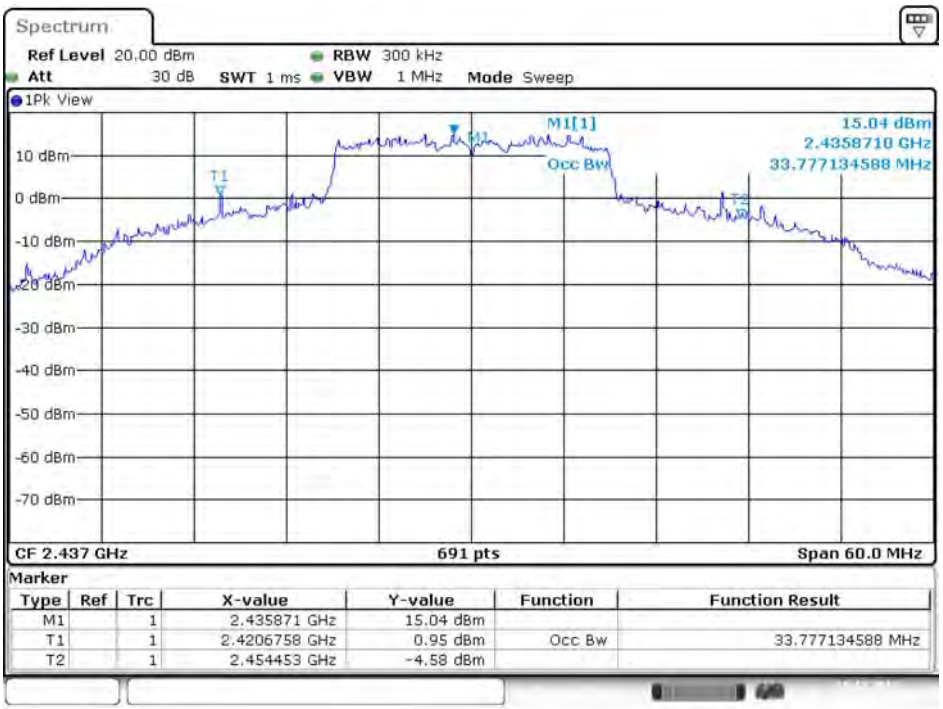
Date: 15.DEC.2015 16:33:40

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT20 / 2462 MHz / Chain 4



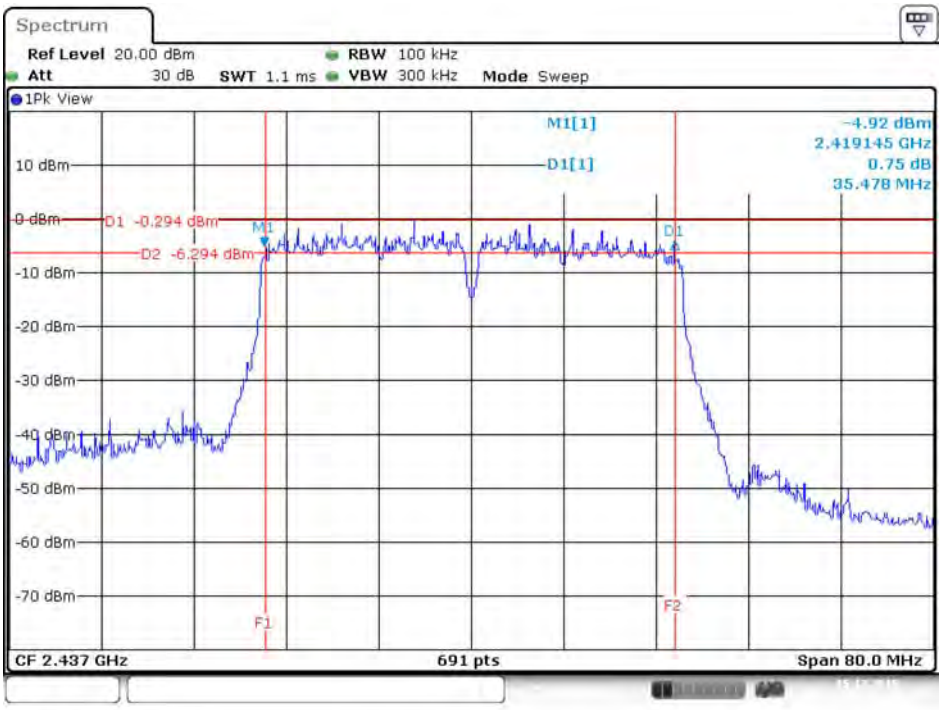
Date: 15.DEC.2015 13:48:12

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT20 / 2437 MHz / Chain 4



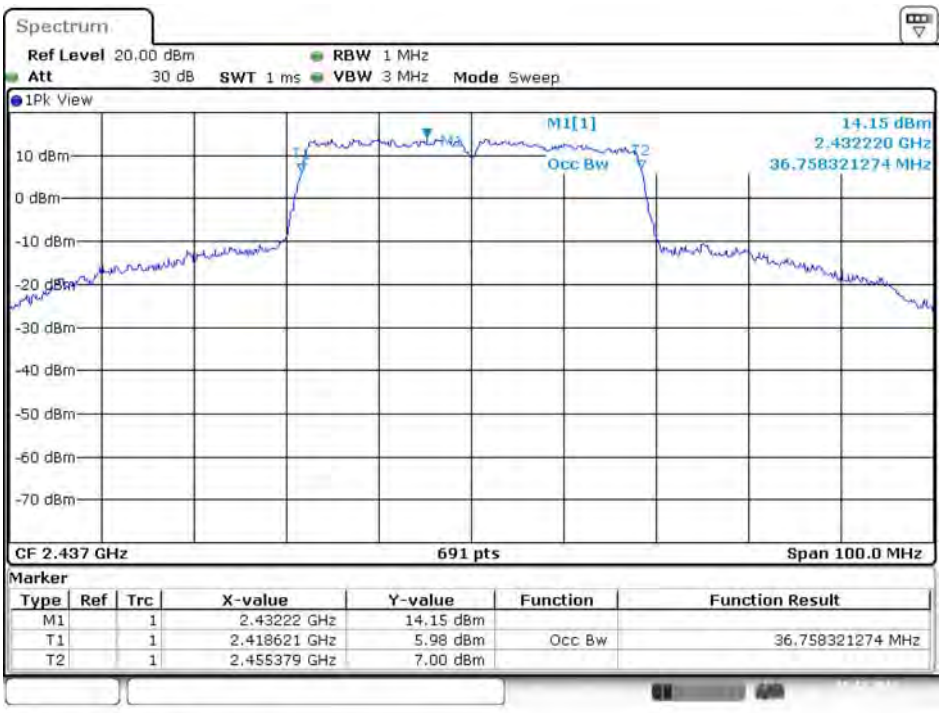
Date: 15.DEC.2015 16:33:15

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT40 / 2437 MHz / Chain 1



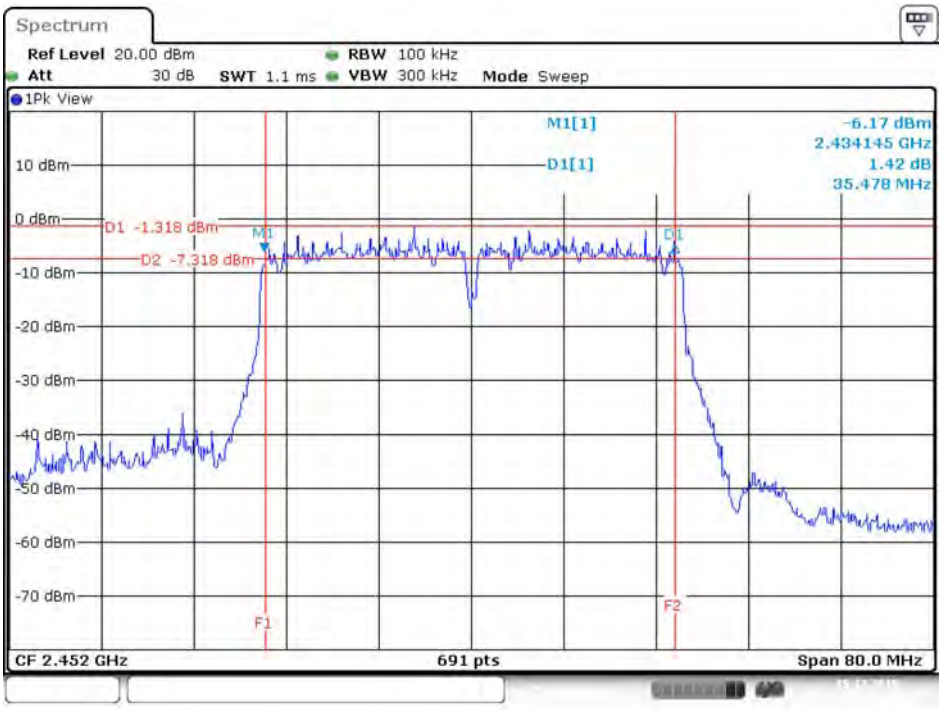
Date: 15.DEC.2015 13:56:23

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT40 / 2437 MHz / Chain 1



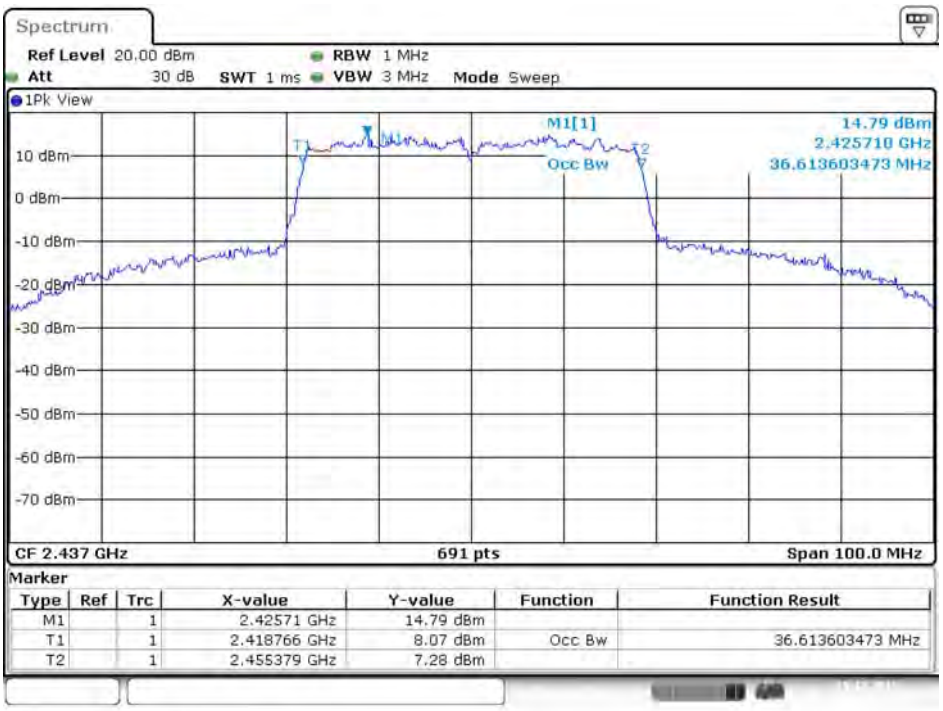
Date: 15.DEC.2015 14:41:47

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT40 / 2452 MHz / Chain 2



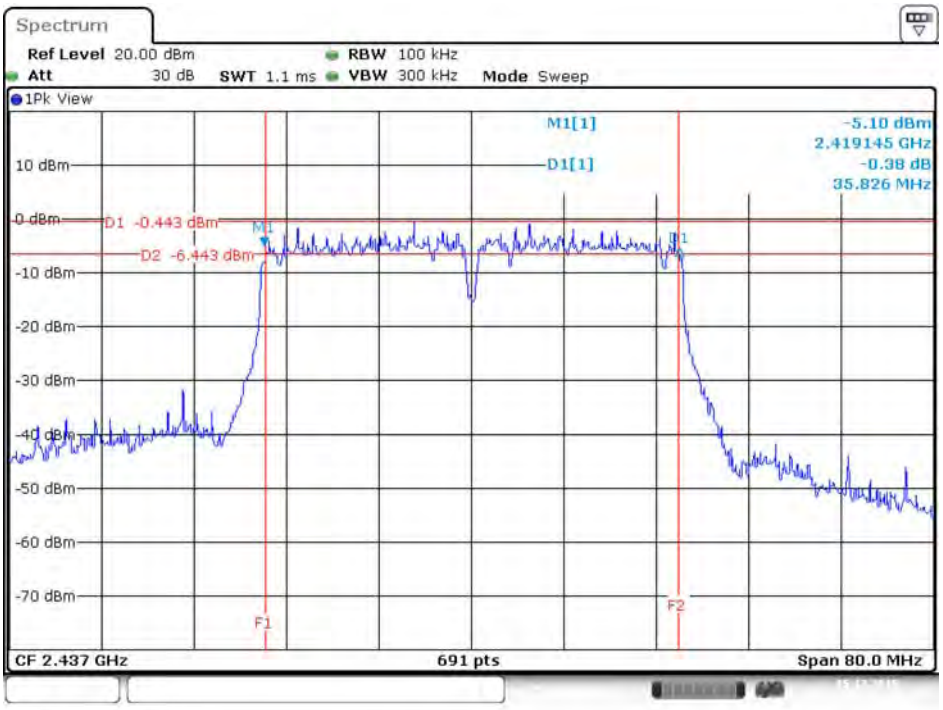
Date: 15.DEC.2015 13:58:04

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT40 / 2437 MHz / Chain 2



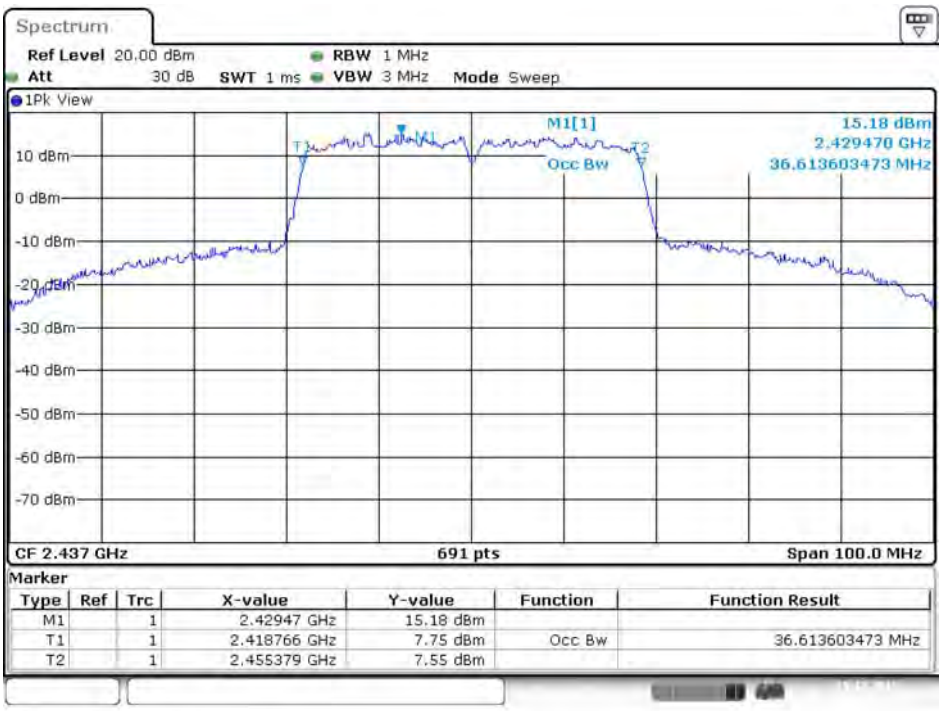
Date: 15.DEC.2015 14:42:00

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT40 / 2437 MHz / Chain 3



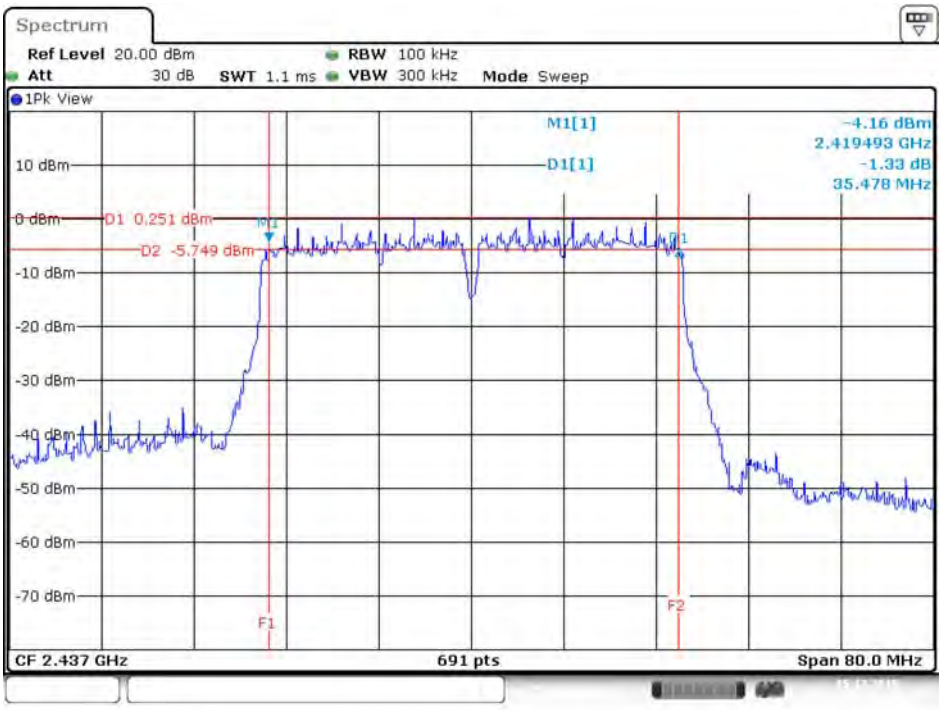
Date: 15.DEC.2015 13:55:59

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT40 / 2437 MHz / Chain 3



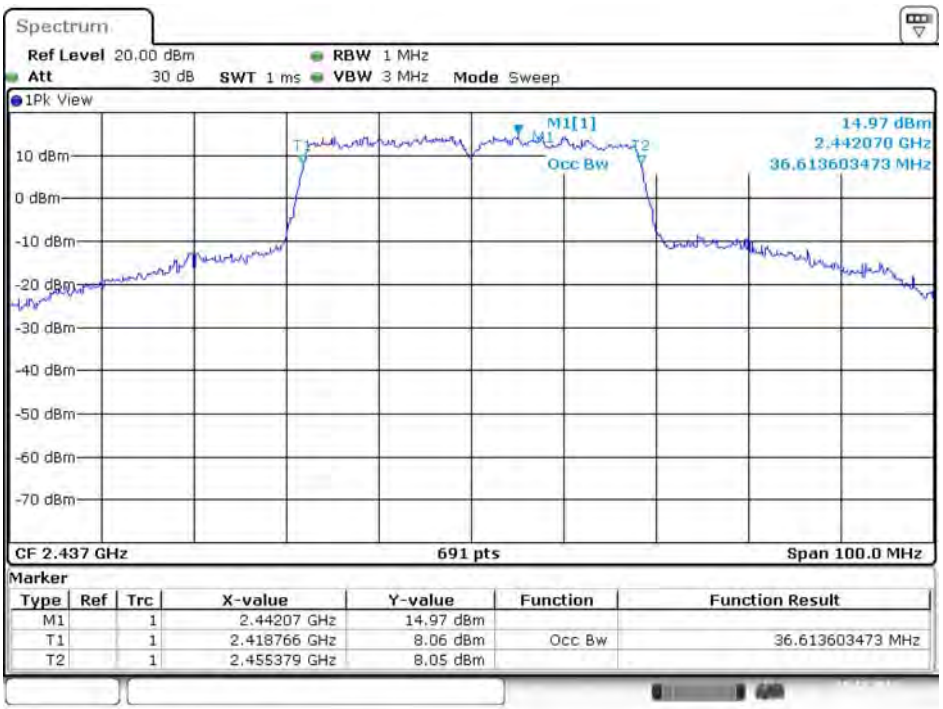
Date: 15.DEC.2015 14:42:11

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT40 / 2437 MHz / Chain 4



Date: 15.DEC.2015 13:55:43

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss2 VHT40 / 2437 MHz / Chain 4

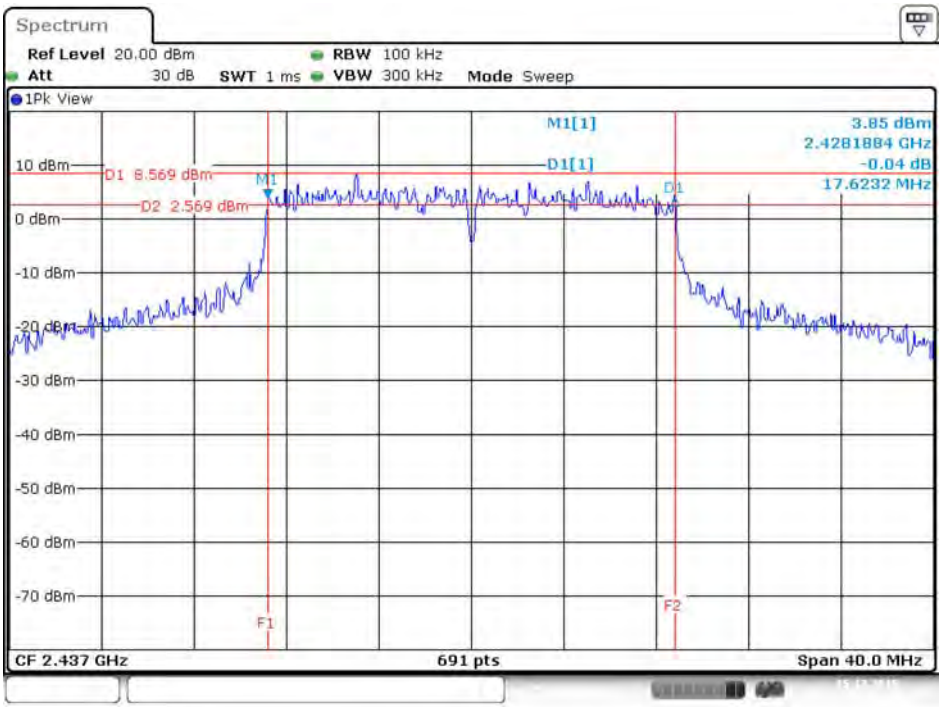


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44207 GHz	14.97 dBm		
T1		1	2.418766 GHz	8.06 dBm	Occ Bw	36.613603473 MHz
T2		1	2.455379 GHz	8.05 dBm		

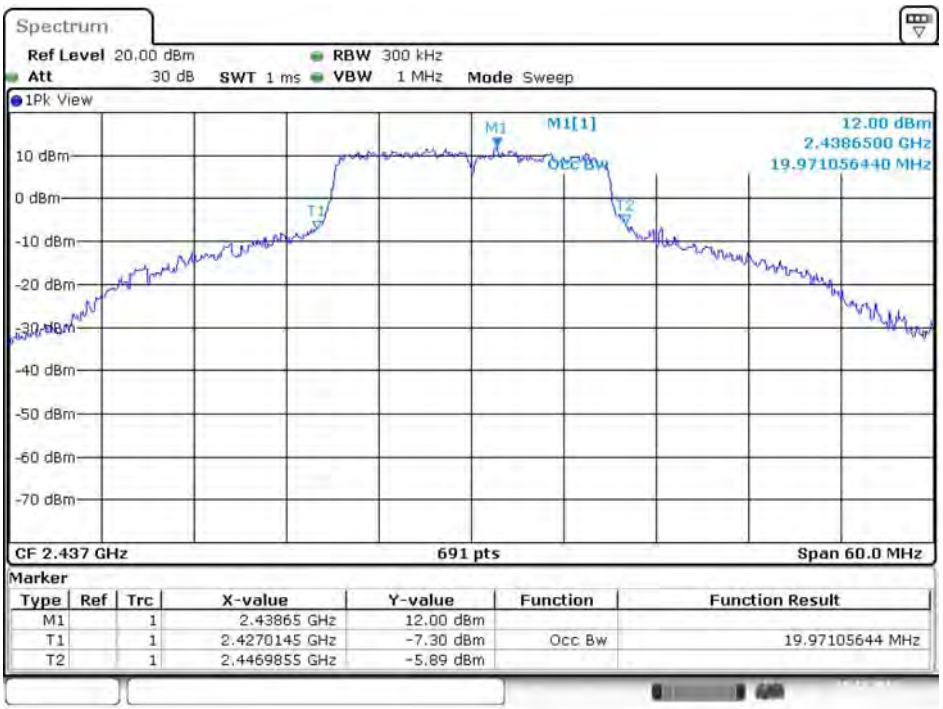
Date: 15.DEC.2015 14:42:20

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT20 / 2437 MHz / Chain 1



Date: 15.DEC.2015 14:06:28

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT20 / 2437 MHz / Chain 1

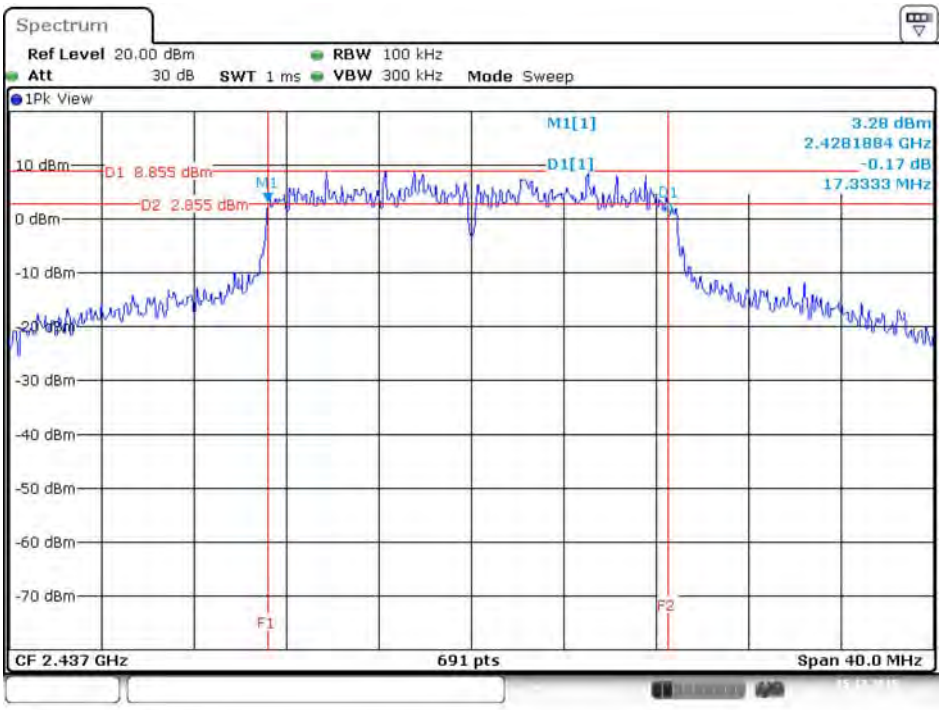


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43865 GHz	12.00 dBm		
T1		1	2.4270145 GHz	-7.30 dBm	Occ Bw	19.97105644 MHz
T2		1	2.4469855 GHz	-5.89 dBm		

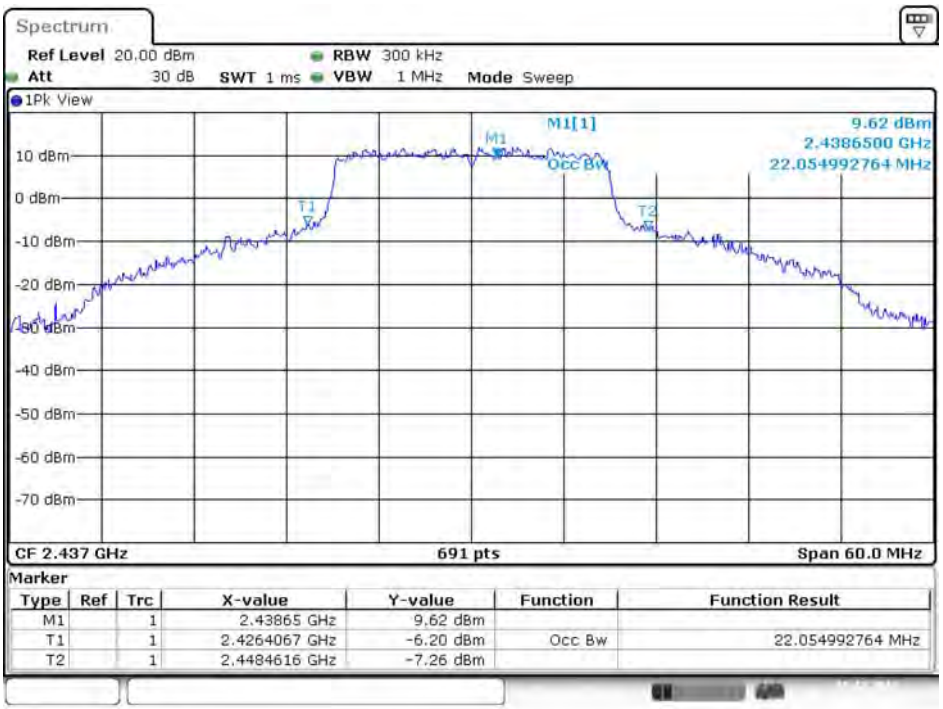
Date: 15.DEC.2015 16:40:29

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT20 / 2437 MHz / Chain 2



Date: 15.DEC.2015 14:06:16

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT20 / 2437 MHz / Chain 2

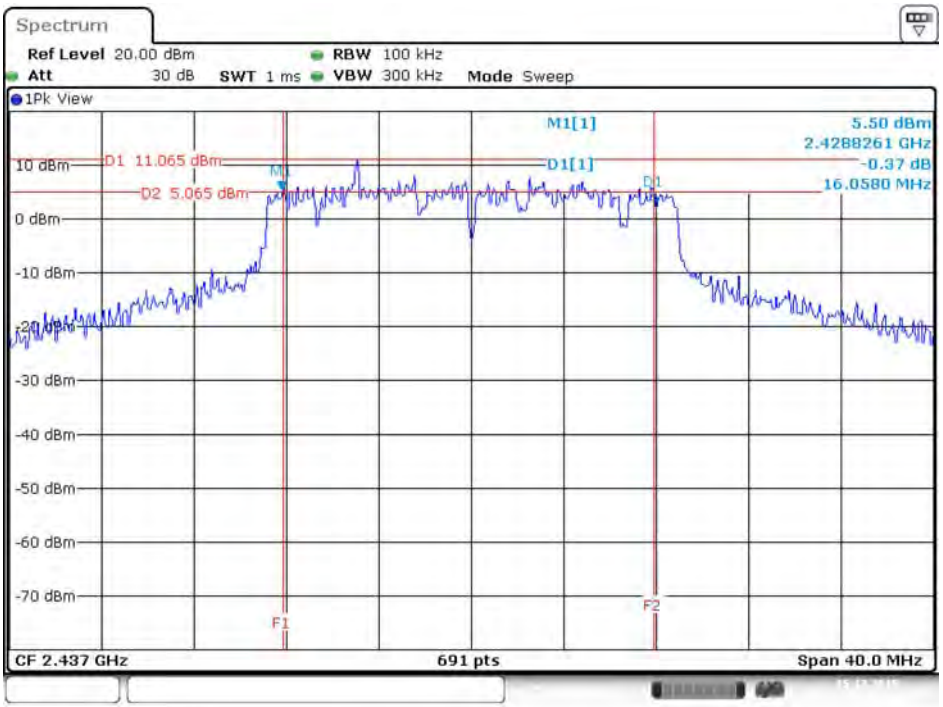


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43865 GHz	9.62 dBm		
T1		1	2.4264067 GHz	-6.20 dBm	Occ Bw	22.054992764 MHz
T2		1	2.4484616 GHz	-7.26 dBm		

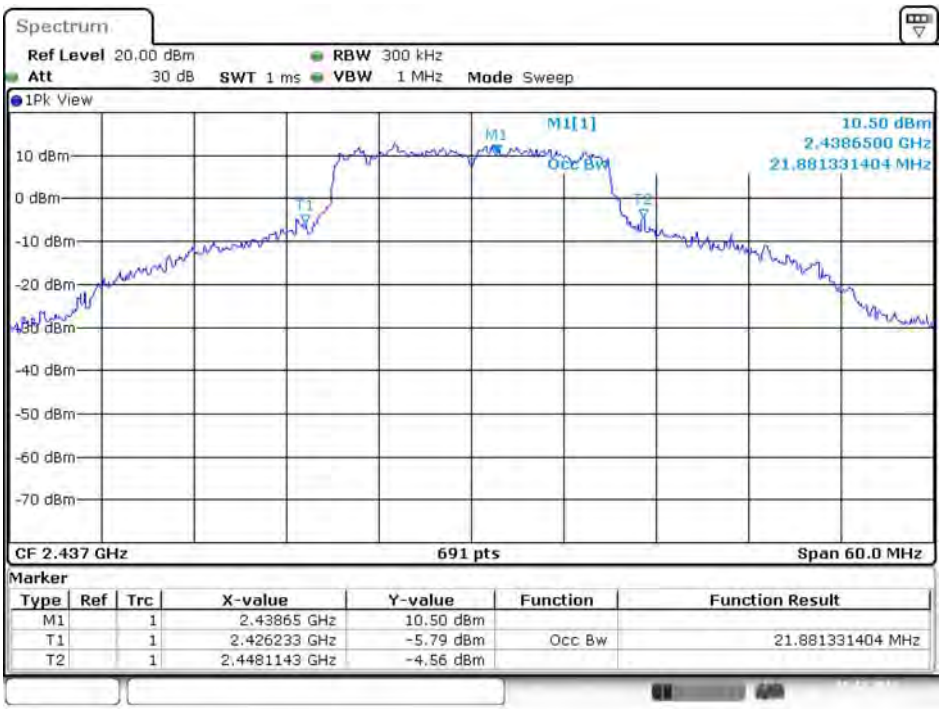
Date: 15.DEC.2015 16:40:41

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT20 / 2437 MHz / Chain 3



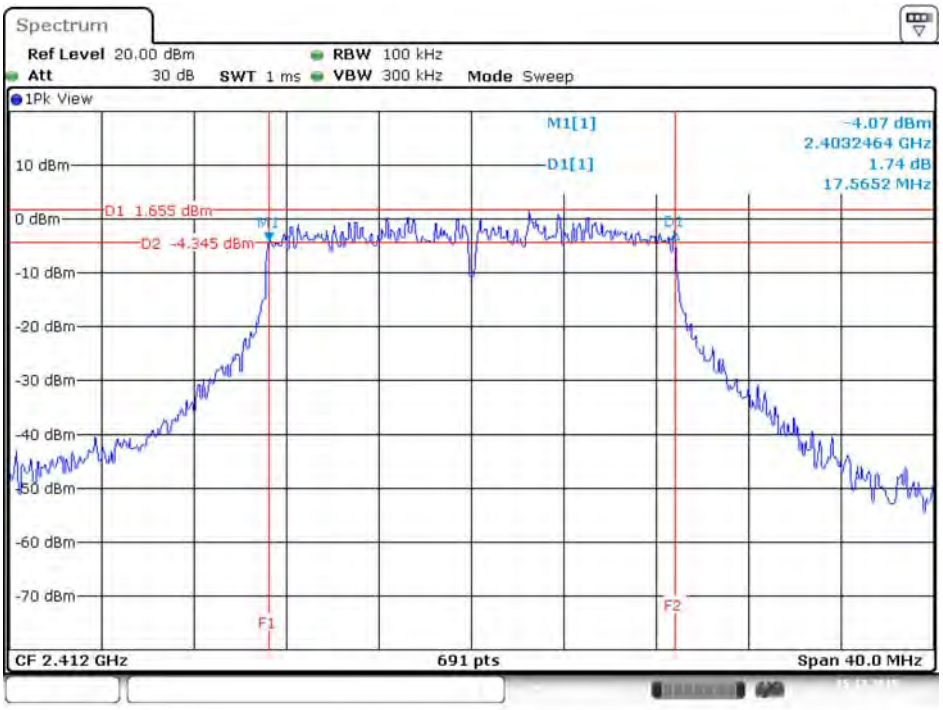
Date: 15.DEC.2015 14:06:01

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT20 / 2437 MHz / Chain 3



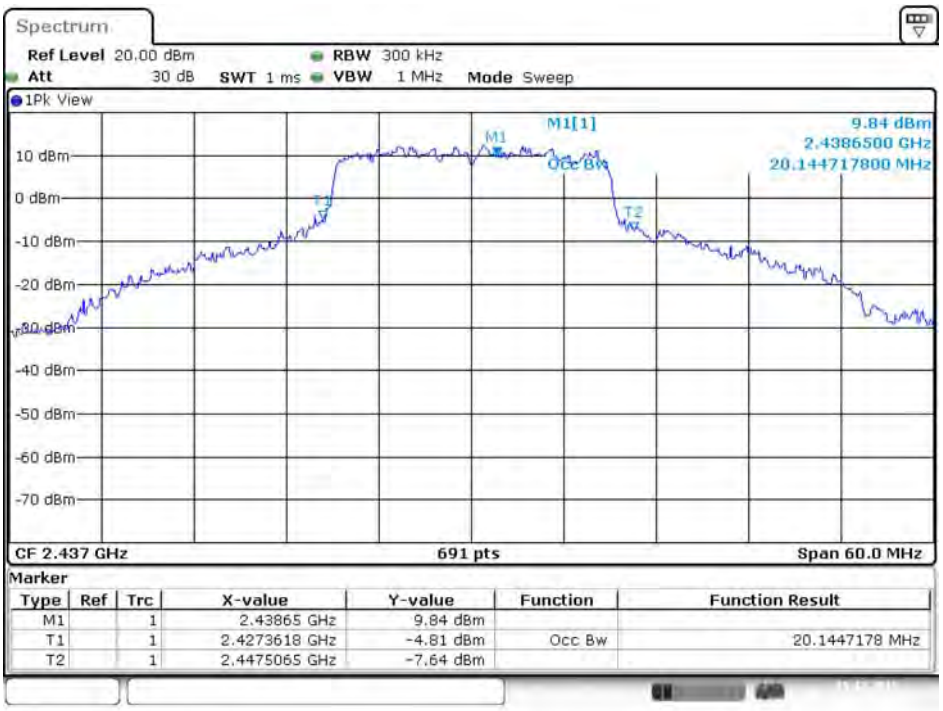
Date: 15.DEC.2015 16:40:52

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT20 / 2412 MHz / Chain 4



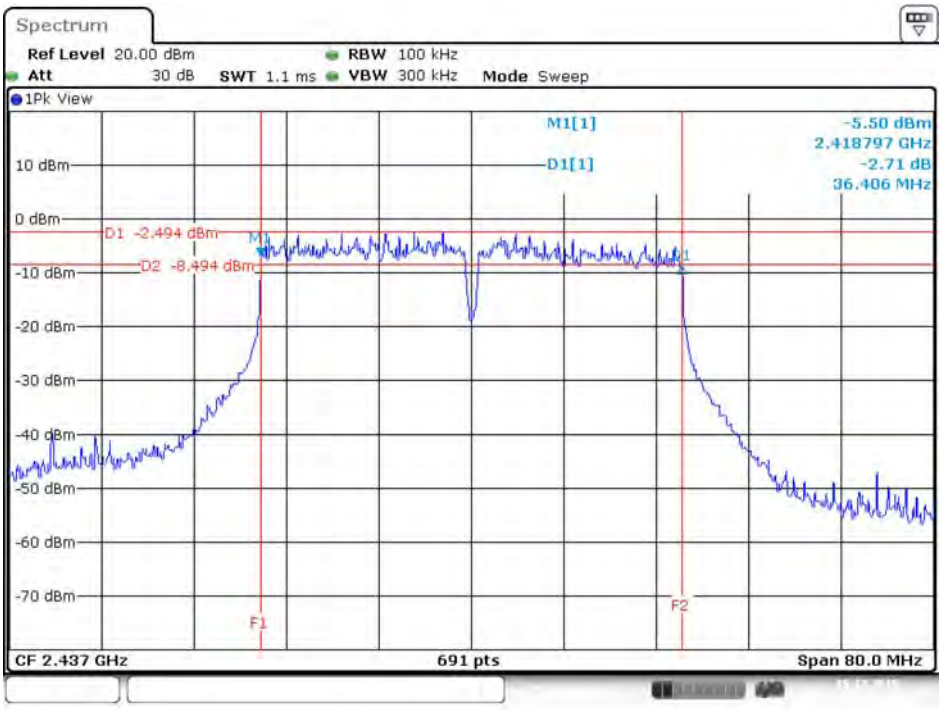
Date: 15.DEC.2015 14:01:01

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT20 / 2437 MHz / Chain 4



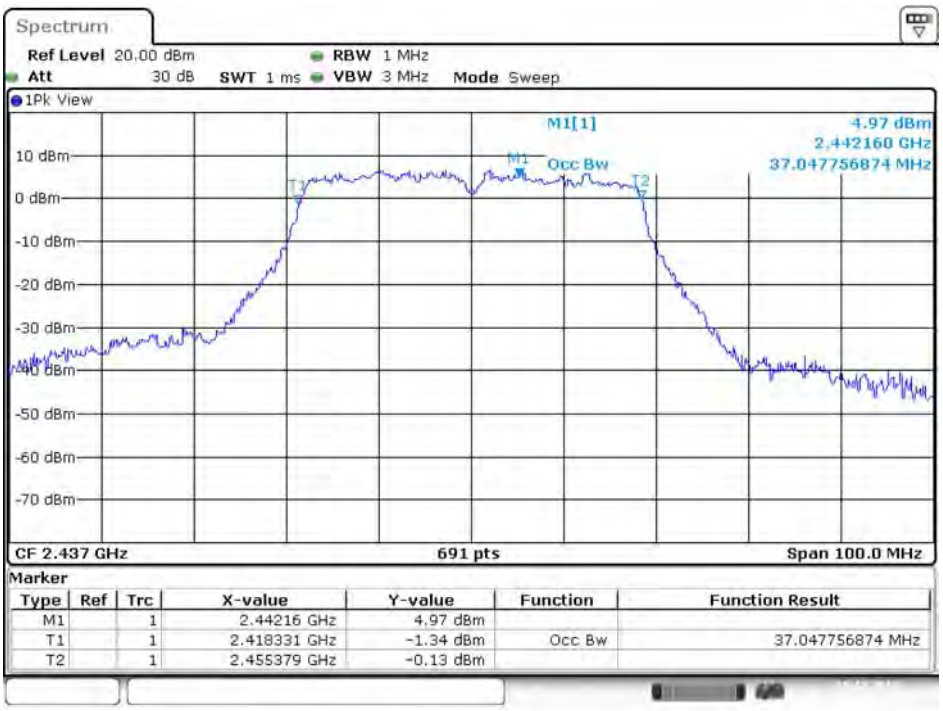
Date: 15.DEC.2015 16:41:03

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT40 / 2437 MHz / Chain 1



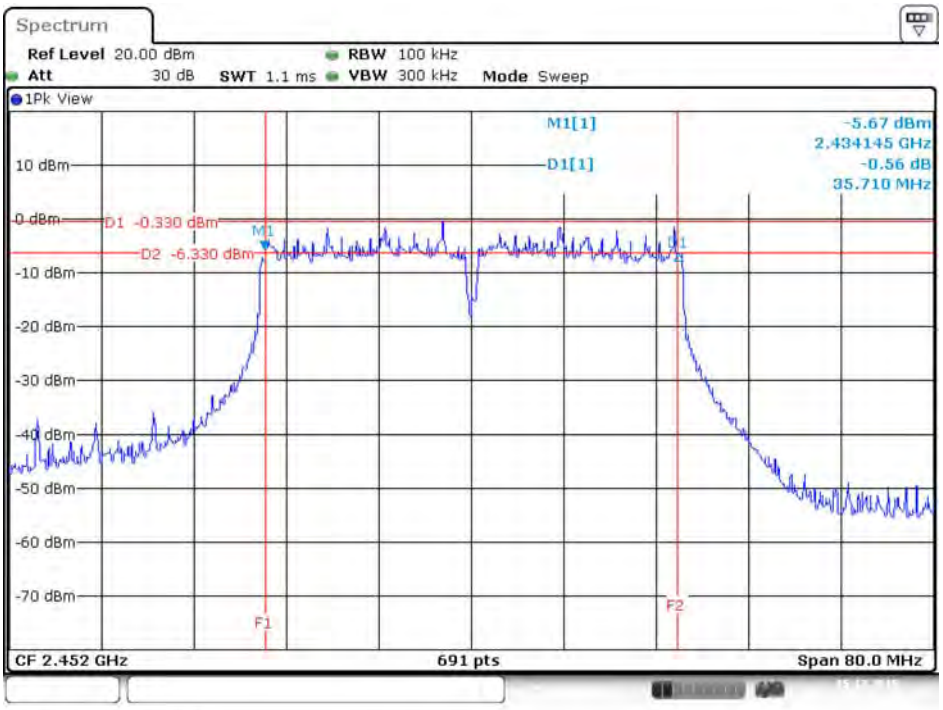
Date: 15.DEC.2015 14:13:41

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT40 / 2437 MHz / Chain 1



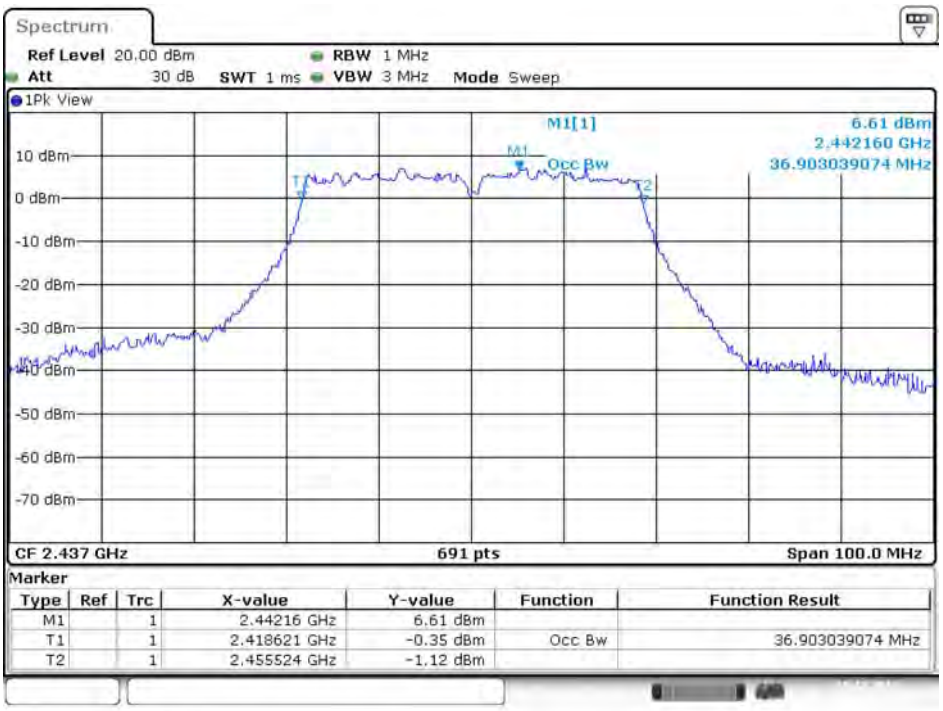
Date: 15.DEC.2015 14:30:13

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT40 / 2452 MHz / Chain 2



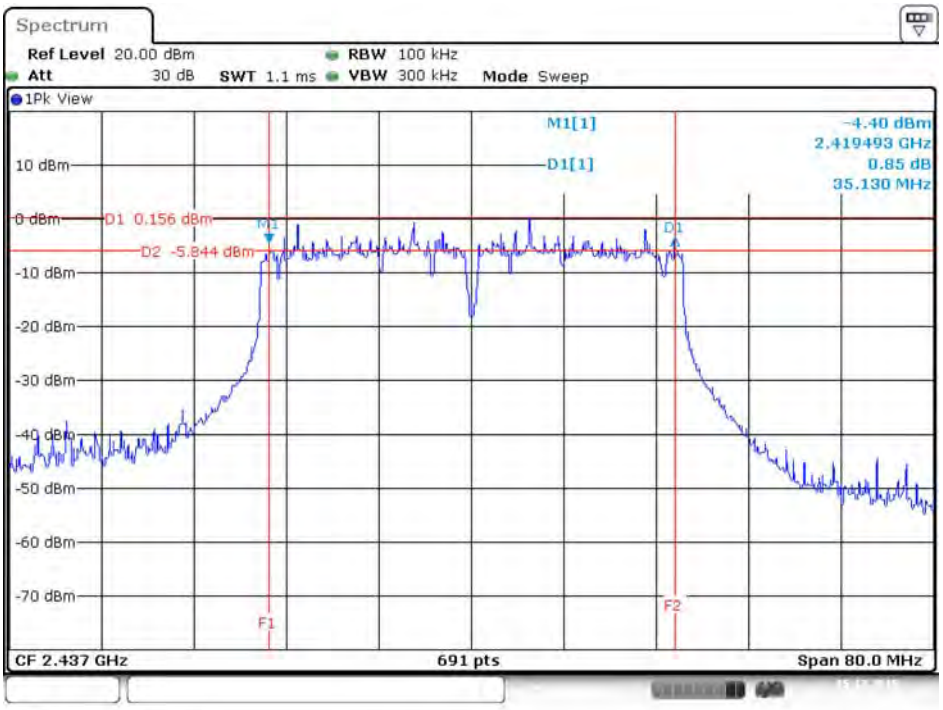
Date: 15.DEC.2015 14:18:40

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT40 / 2437 MHz / Chain 2



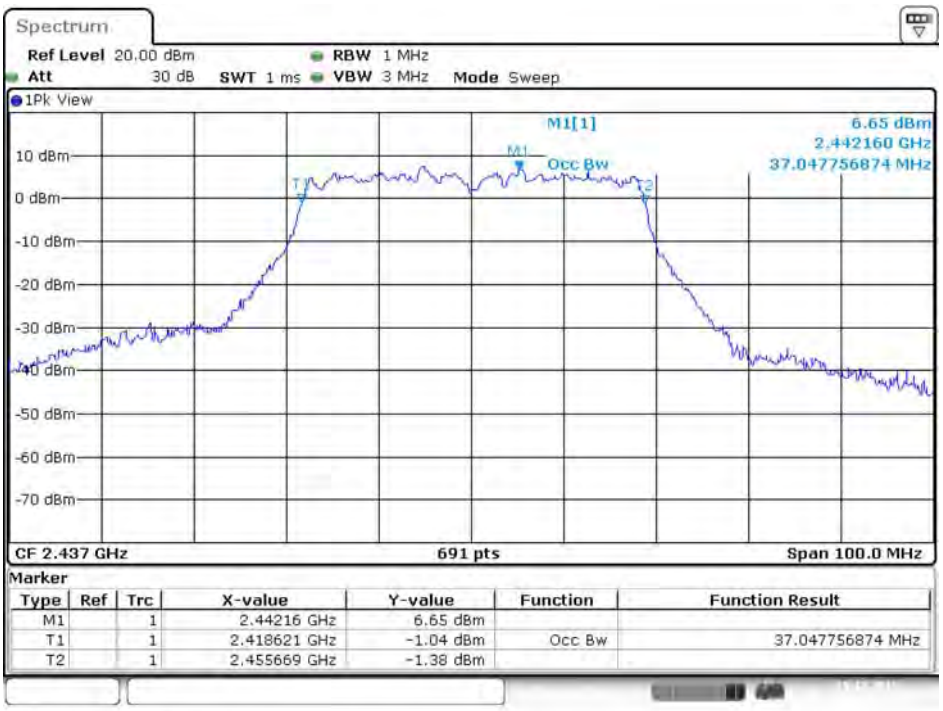
Date: 15.DEC.2015 14:30:02

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT40 / 2437 MHz / Chain 3



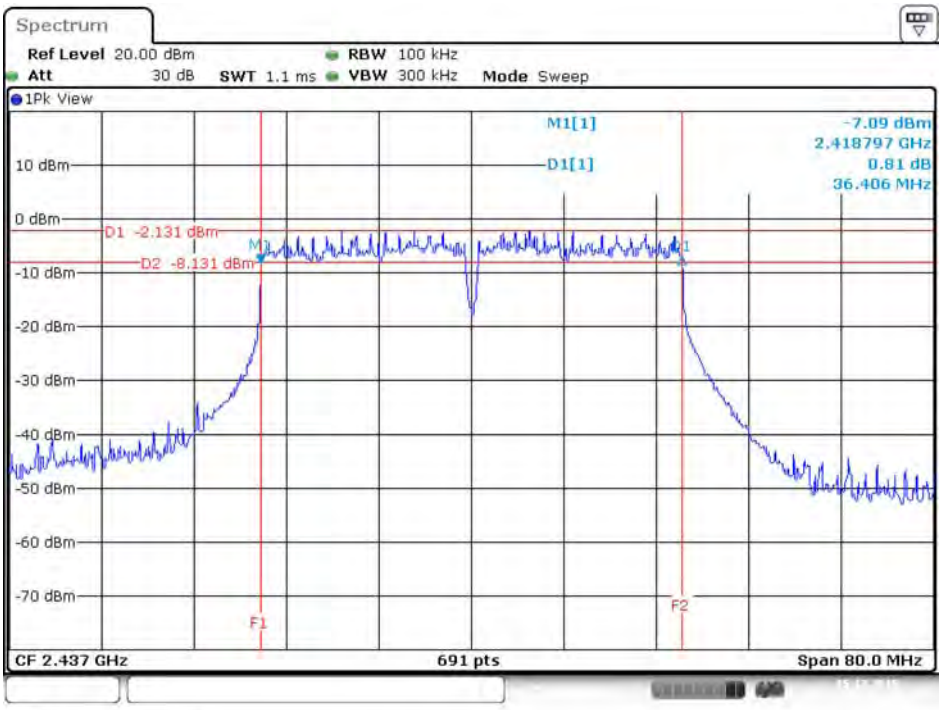
Date: 15.DEC.2015 14:14:11

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT40 / 2437 MHz / Chain 3



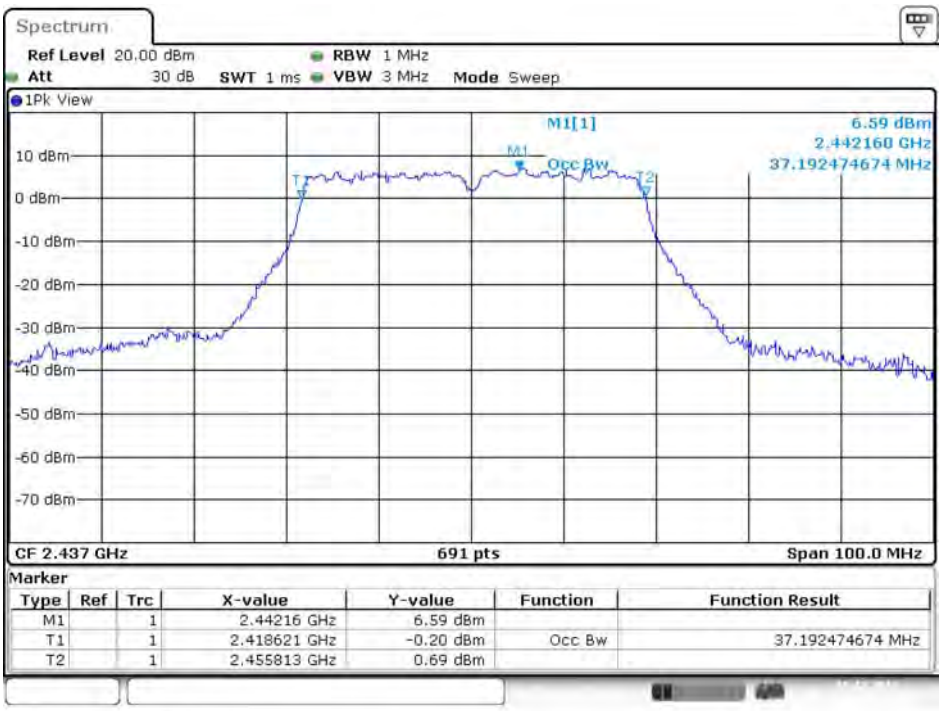
Date: 15.DEC.2015 14:29:51

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT40 / 2437 MHz / Chain 4



Date: 15.DEC.2015 14:14:22

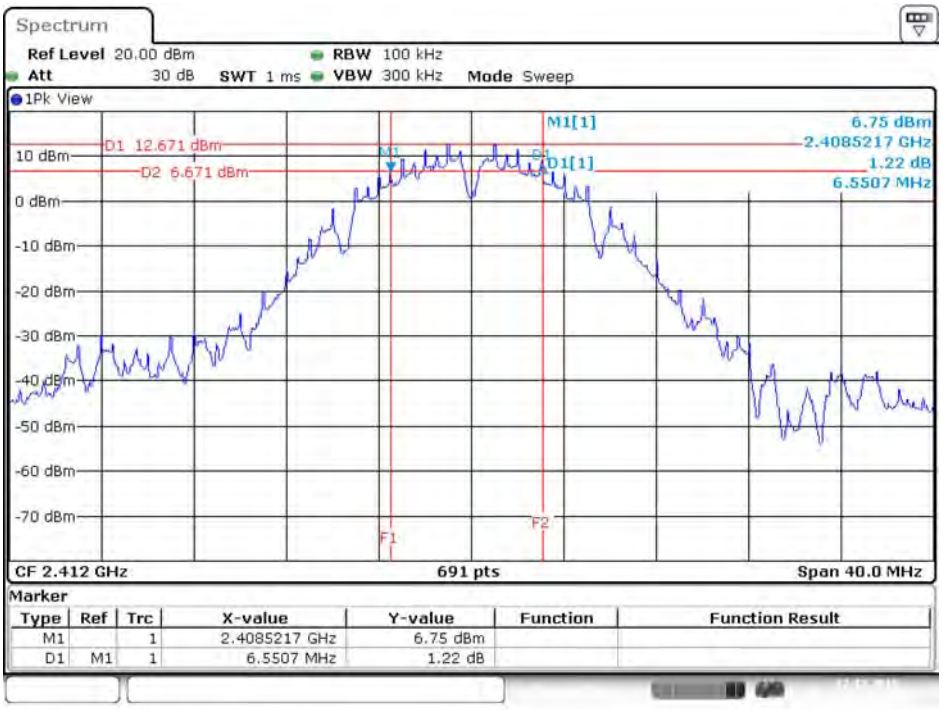
99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss3 VHT40 / 2437 MHz / Chain 4



Date: 15.DEC.2015 14:29:35

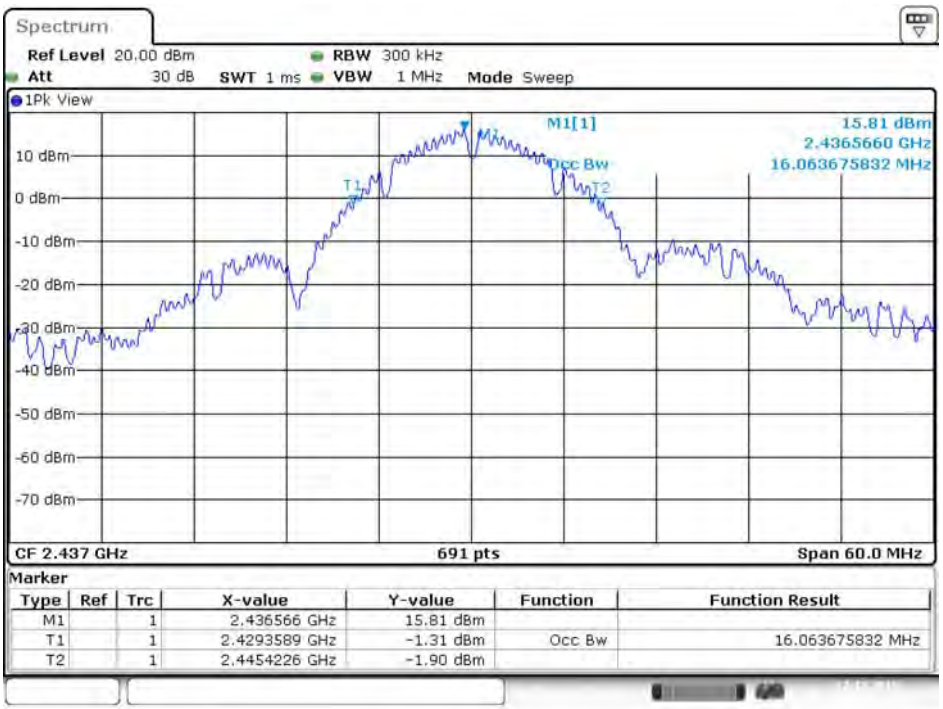
<For Radio 3 Mode>

6 dB Bandwidth Plot on Configuration IEEE 802.11b / 2412 MHz / Chain 9



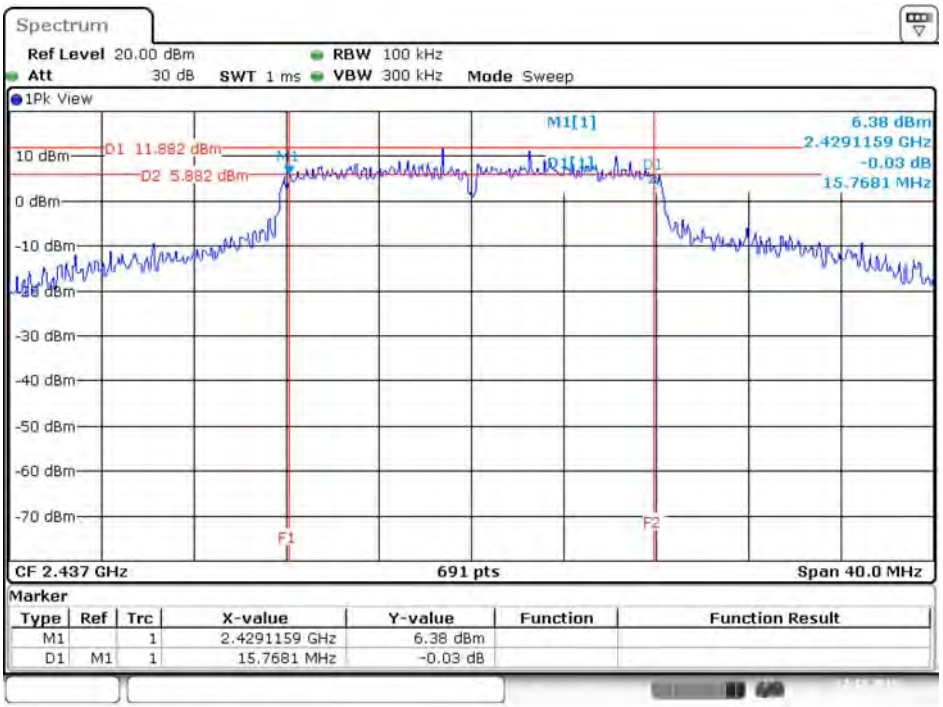
Date: 22.DEC.2015 14:30:00

99% Occupied Bandwidth Plot on Configuration IEEE 802.11b / 2437 MHz / Chain 9



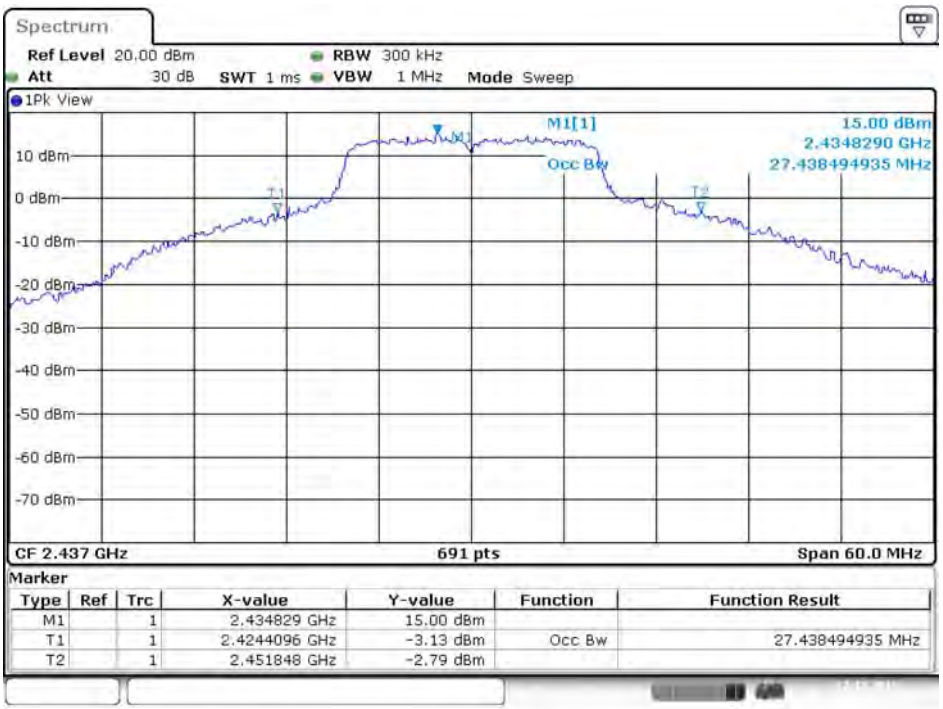
Date: 22.DEC.2015 15:03:47

6 dB Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 9



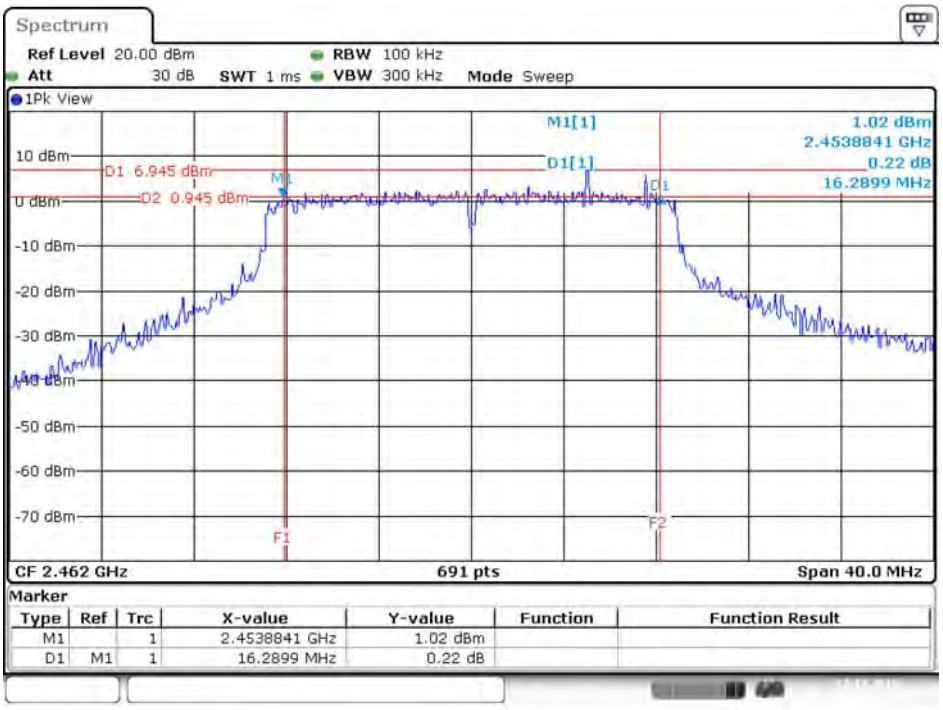
Date: 22.DEC.2015 14:38:02

99% Occupied Bandwidth Plot on Configuration IEEE 802.11g / 2437 MHz / Chain 9



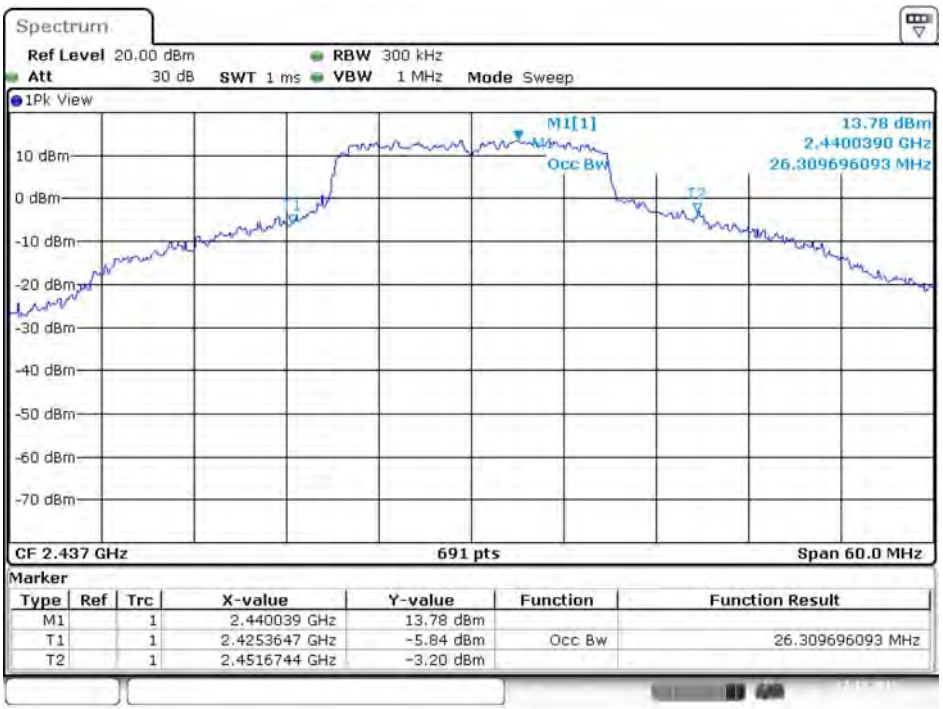
Date: 22.DEC.2015 14:59:27

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / 2462 MHz / Chain 9



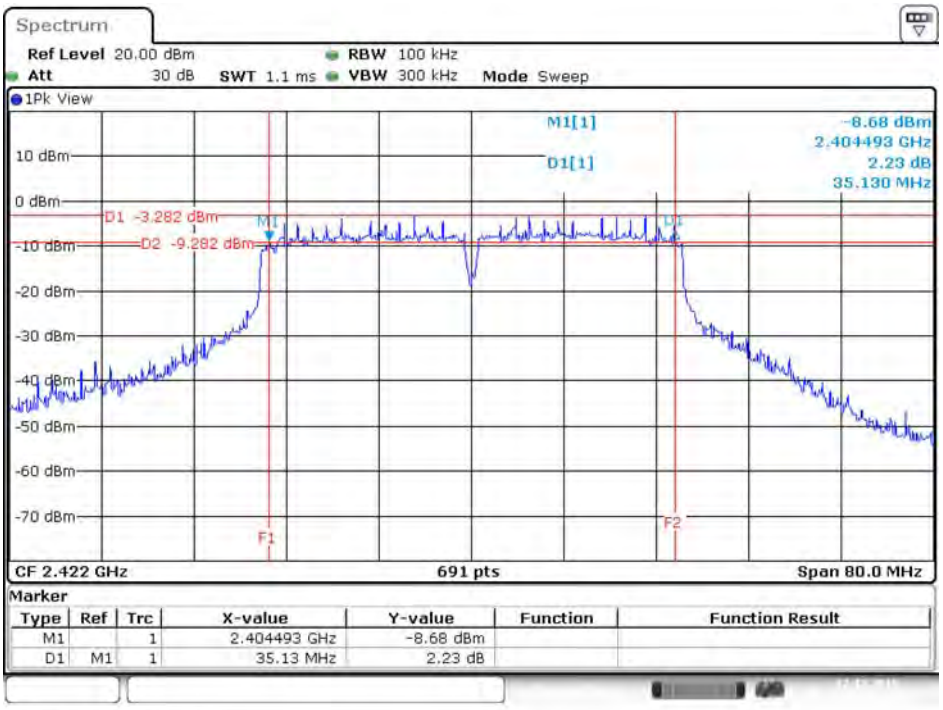
Date: 22.DEC.2015 14:42:05

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT20 / 2437 MHz / Chain 9



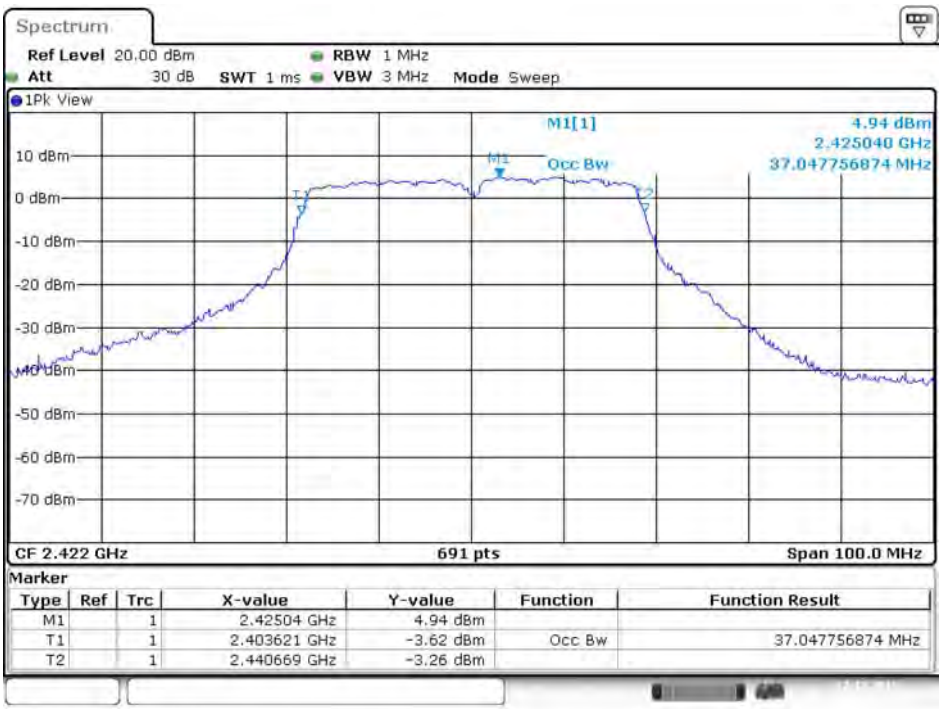
Date: 22.DEC.2015 14:55:01

6 dB Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2422 MHz / Chain 9



Date: 22.DEC.2015 14:48:27

99% Occupied Bandwidth Plot on Configuration IEEE 802. 11ac MCS0/Nss1 VHT40 / 2422 MHz / Chain 9



Date: 22.DEC.2015 14:50:30

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

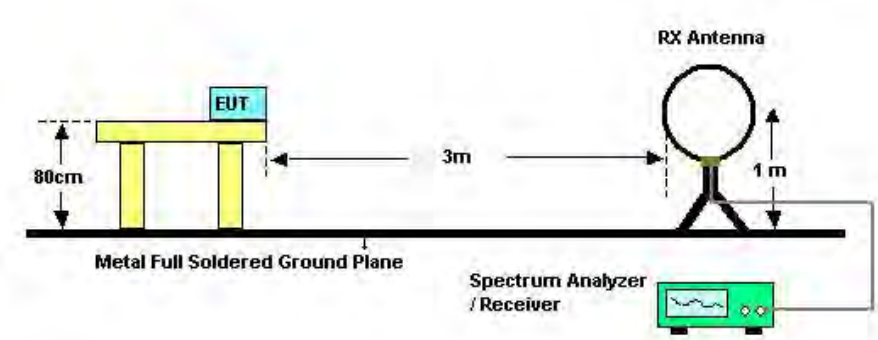
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1GHz / RBW 120kHz for QP

4.5.3. Test Procedures

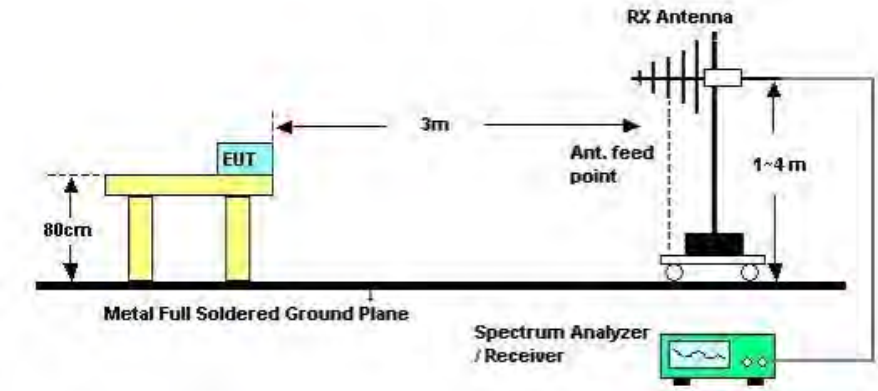
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
2. Power on the EUT and all the supporting 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

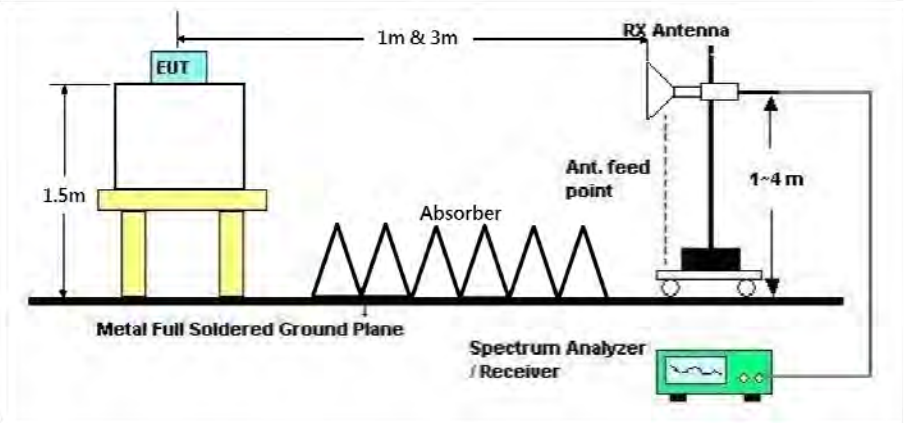
For Radiated Emissions: 9kHz ~30MHz



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	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	Normal Link / Mode 3
Test Date	Nov. 19, 2015		

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

Note:

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

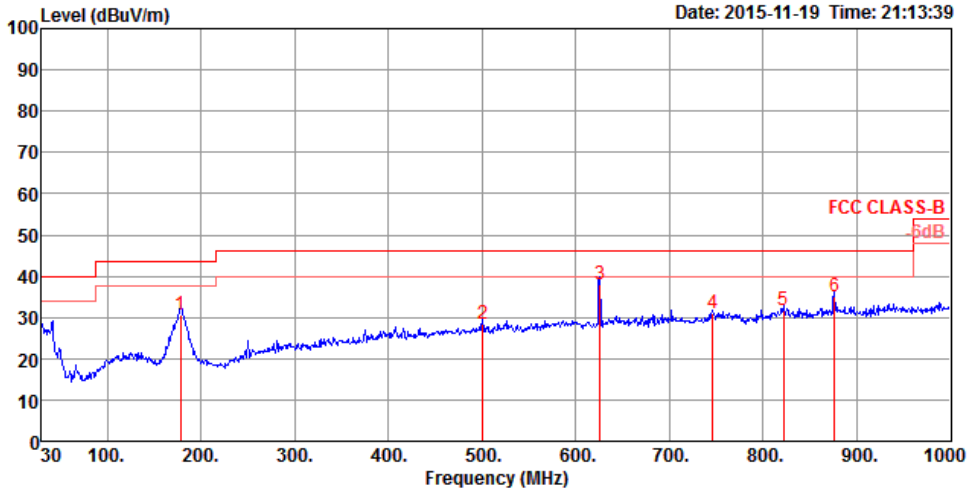
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

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

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

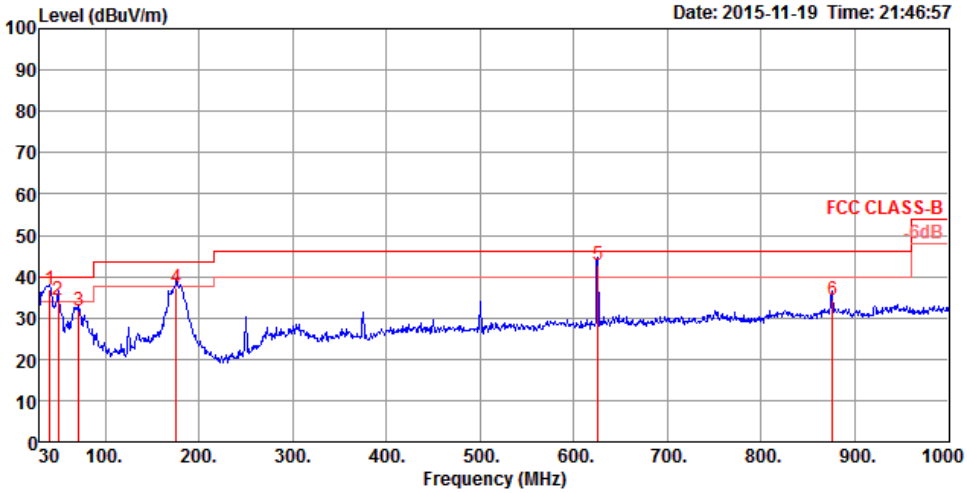
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	Normal Link / Mode 3

Horizontal



	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	178.41	30.68	43.50	-12.82	51.98	1.15	9.89	32.34	150	278	QP	HORIZONTAL
2	500.45	28.56	46.00	-17.44	40.85	1.94	18.12	32.35	150	261	QP	HORIZONTAL
3	625.58	37.99	46.00	-8.01	48.82	2.16	19.41	32.40	100	304	QP	HORIZONTAL
4	745.86	30.82	46.00	-15.18	40.43	2.36	20.34	32.31	150	44	QP	HORIZONTAL
5	821.52	31.82	46.00	-14.18	40.45	2.49	21.02	32.14	100	161	QP	HORIZONTAL
6	875.84	35.12	46.00	-10.88	42.98	2.55	21.45	31.86	100	198	QP	HORIZONTAL

Vertical



	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	40.67	36.83	40.00	-3.17	55.00	0.55	13.69	32.41	100	225	QP	VERTICAL
2	49.40	34.37	40.00	-5.63	56.78	0.61	9.39	32.41	100	192	QP	VERTICAL
3	71.71	31.75	40.00	-8.25	56.55	0.73	6.87	32.40	150	208	QP	VERTICAL
4	175.50	37.39	43.50	-6.11	58.57	1.14	10.02	32.34	100	6	QP	VERTICAL
5	625.58	42.66	46.00	-3.34	53.49	2.16	19.41	32.40	125	171	QP	VERTICAL
6	875.84	34.43	46.00	-11.57	42.29	2.55	21.45	31.86	100	66	QP	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).

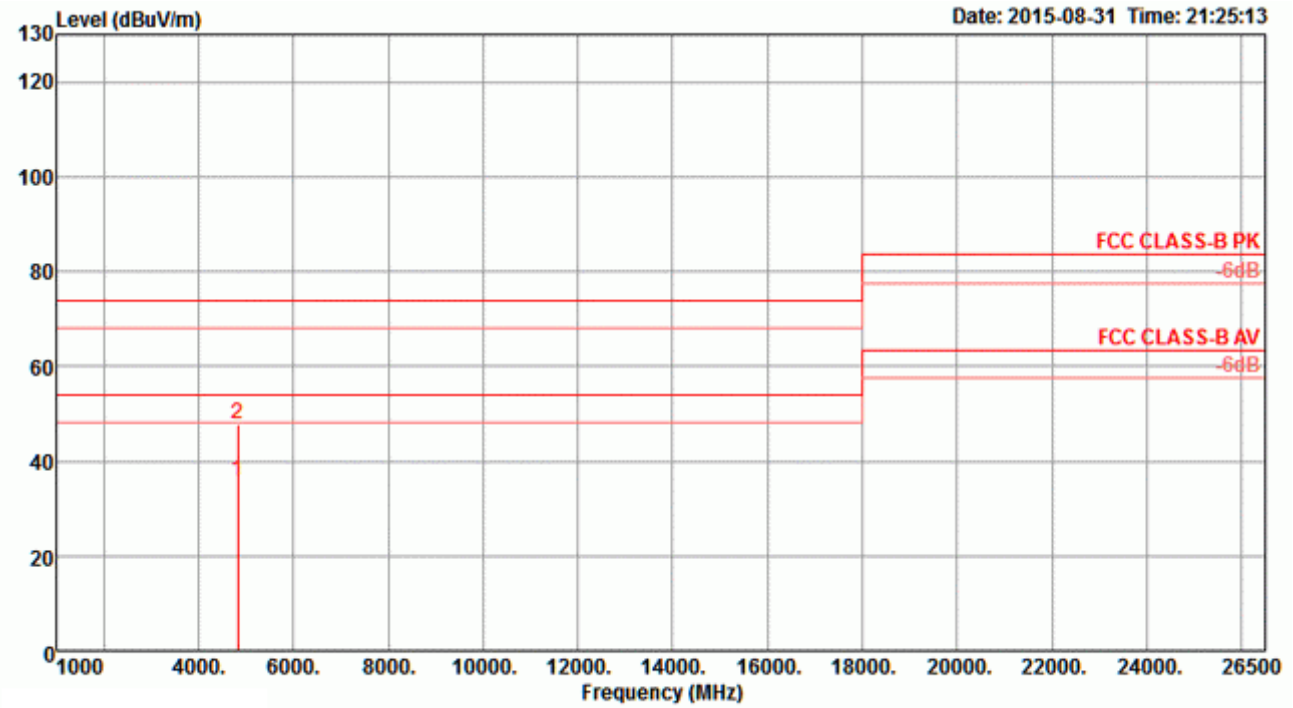
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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

<For Radio 1 Non-beamforming Mode>

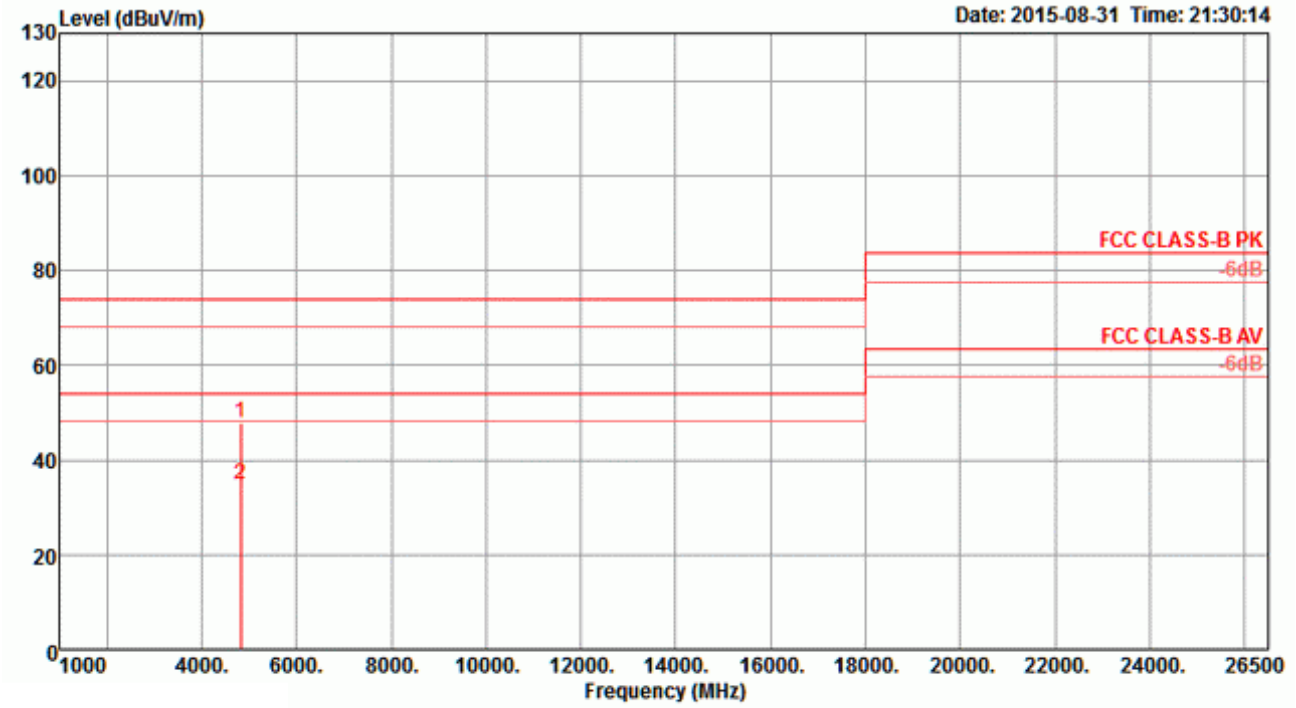
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802.11b CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4823.92	35.84	54.00	-18.16	33.57	4.10	32.69	34.52	251	199	Average	HORIZONTAL
2	4825.06	47.88	74.00	-26.12	45.61	4.10	32.69	34.52	251	199	Peak	HORIZONTAL

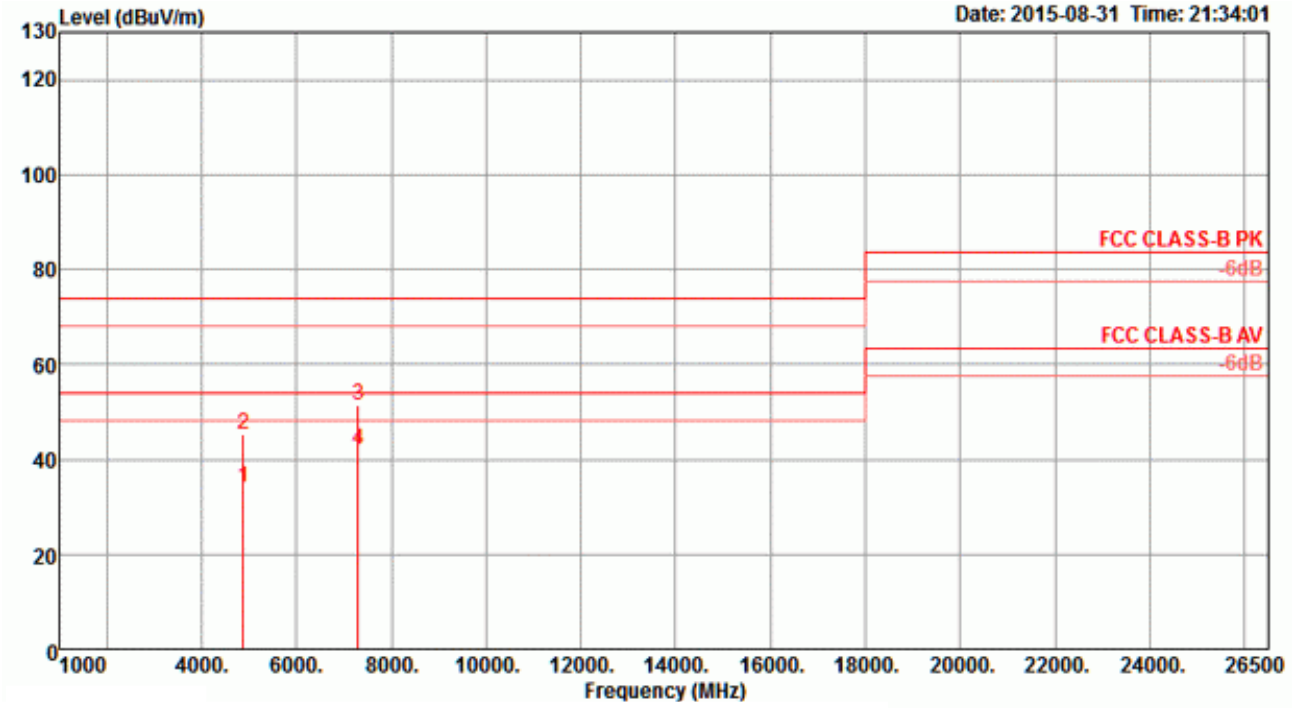
Vertical



	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	4819.54	47.85	74.00	-26.15	45.58	4.10	32.69	34.52	252	180	Peak	VERTICAL
2	4823.94	34.80	54.00	-19.20	32.53	4.10	32.69	34.52	252	180	Average	VERTICAL

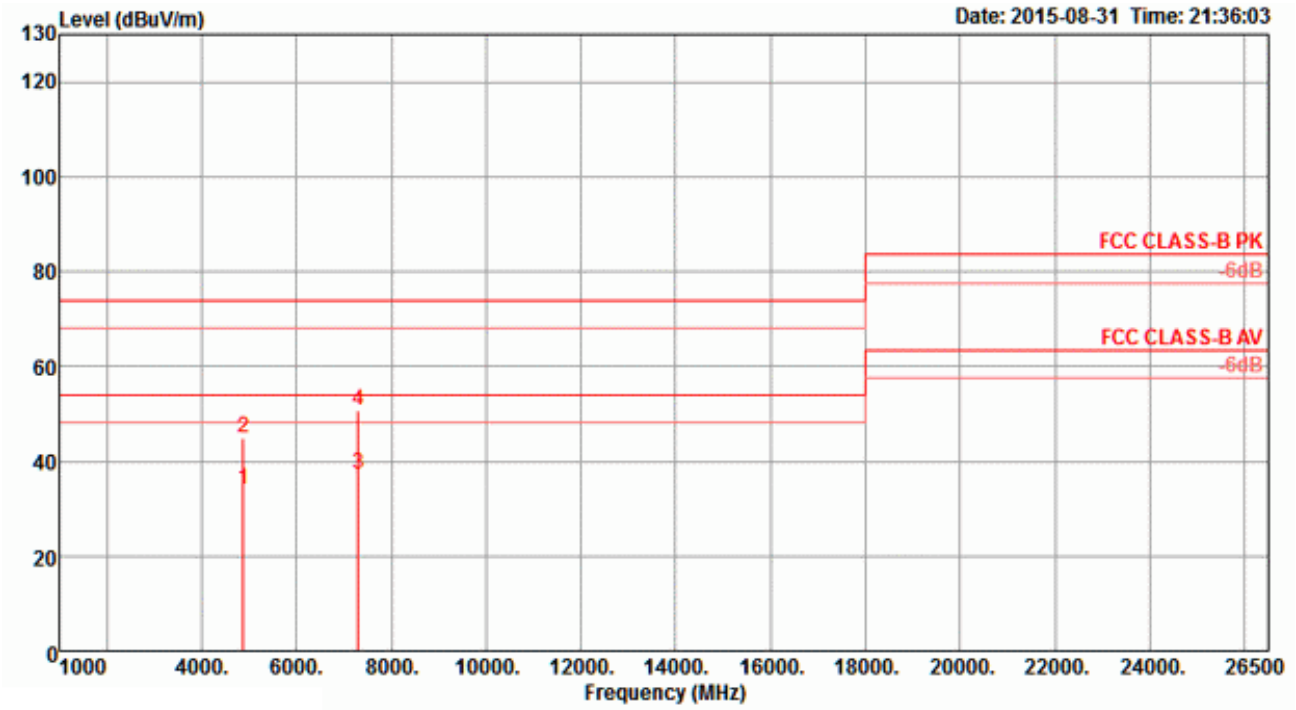
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802.11b CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4874.00	34.04	54.00	-19.96	31.64	4.13	32.78	34.51	99	231	Average	HORIZONTAL
2	4876.84	45.18	74.00	-28.82	42.78	4.13	32.78	34.51	99	231	Peak	HORIZONTAL
3	7309.36	51.34	74.00	-22.66	43.78	5.09	37.23	34.76	302	147	Peak	HORIZONTAL
4	7310.04	42.06	54.00	-11.94	34.50	5.09	37.23	34.76	302	147	Average	HORIZONTAL

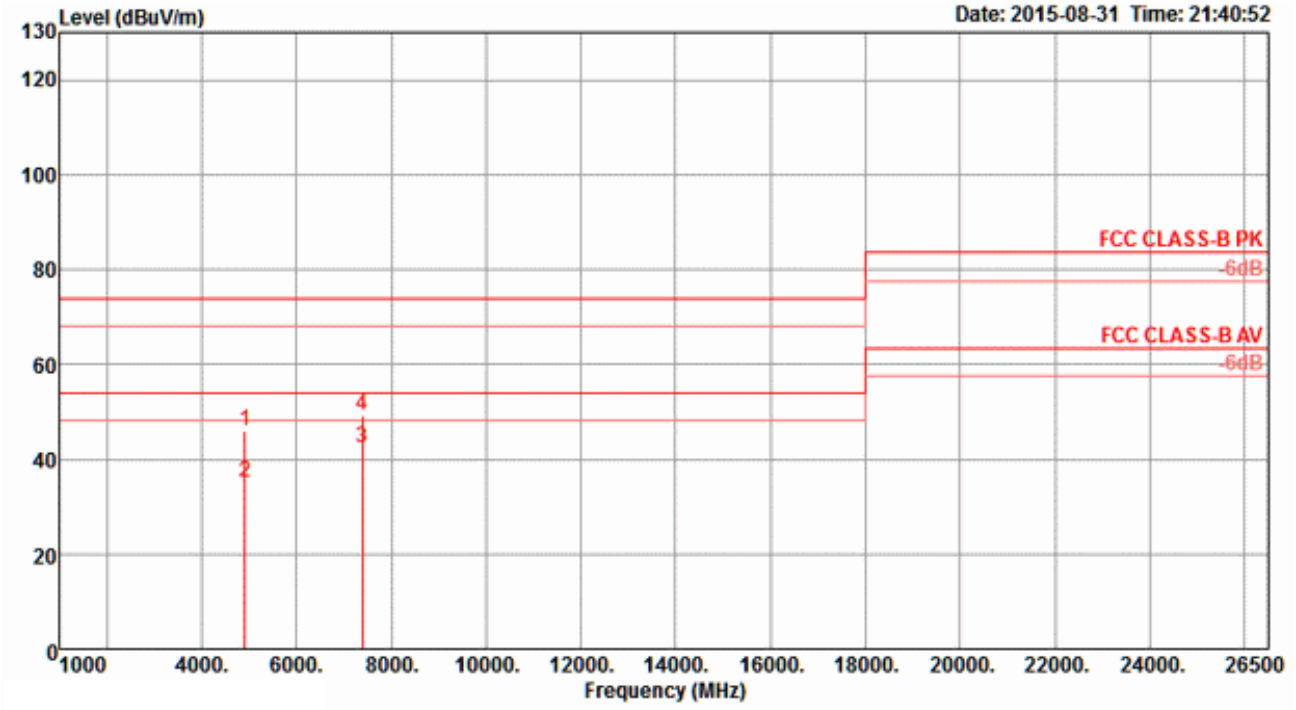
Vertical



	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	34.11	54.00	-19.89	31.71	4.13	32.78	34.51	56	193	Average	VERTICAL
2	4876.72	45.04	74.00	-28.96	42.64	4.13	32.78	34.51	56	193	Peak	VERTICAL
3	7310.95	37.37	54.00	-16.63	29.81	5.09	37.23	34.76	296	193	Average	VERTICAL
4	7311.02	50.54	74.00	-23.46	42.98	5.09	37.23	34.76	296	193	Peak	VERTICAL

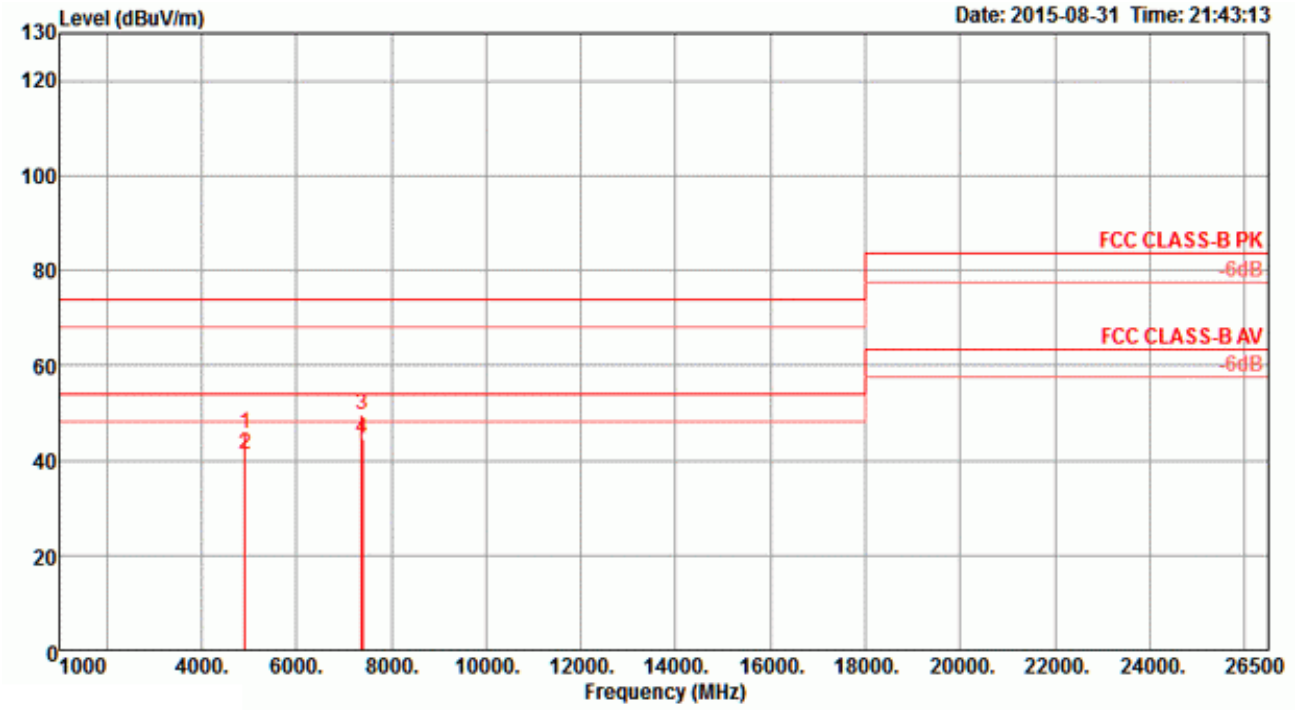
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802.11b CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4924.00	45.96	74.00	-28.04	43.42	4.15	32.88	34.49	183	164	Peak	HORIZONTAL
2	4924.04	35.18	54.00	-18.82	32.64	4.15	32.88	34.49	183	164	Average	HORIZONTAL
3	7386.80	42.49	54.00	-11.51	34.78	5.12	37.36	34.77	158	196	Average	HORIZONTAL
4	7393.40	49.09	74.00	-24.91	41.38	5.12	37.36	34.77	158	196	Peak	HORIZONTAL

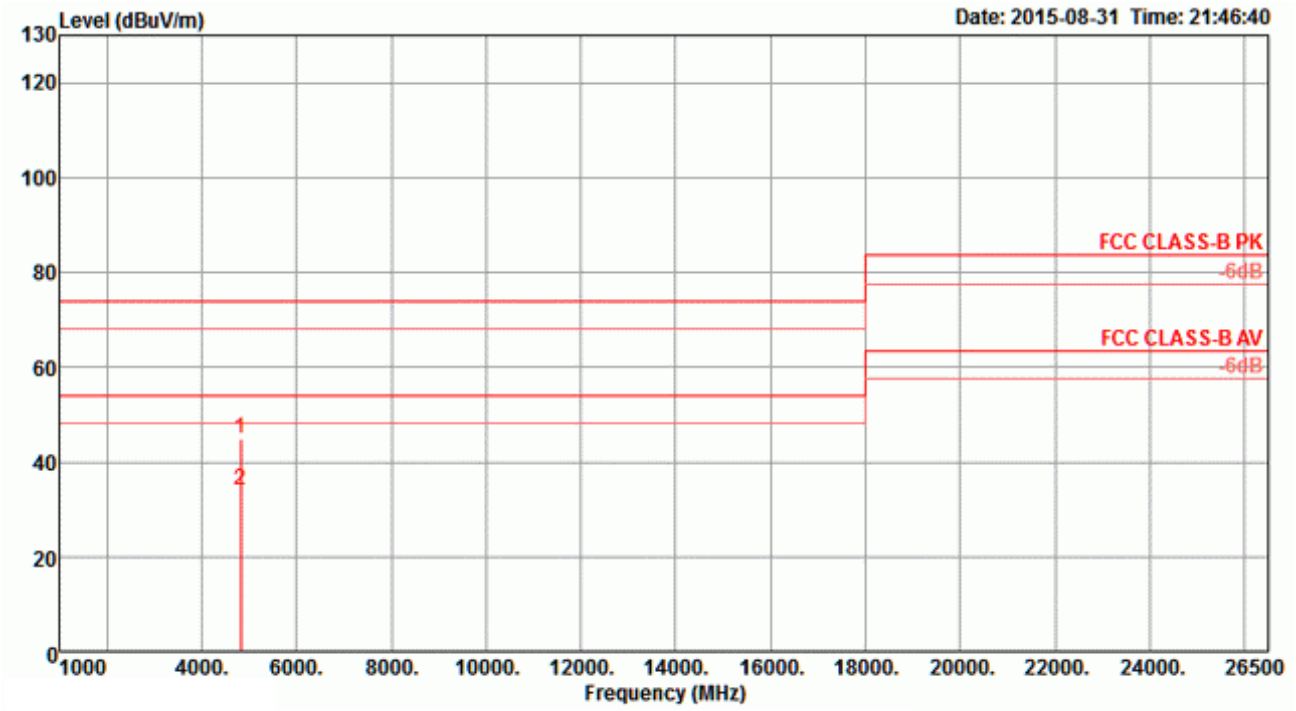
Vertical



	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	4923.80	45.80	74.00	-28.20	43.26	4.15	32.88	34.49	16	200	Peak	VERTICAL
2	4923.96	41.41	54.00	-12.59	38.87	4.15	32.88	34.49	16	200	Average	VERTICAL
3	7383.28	49.55	74.00	-24.45	41.88	5.11	37.33	34.77	78	187	Peak	VERTICAL
4	7387.76	44.50	54.00	-9.50	36.79	5.12	37.36	34.77	78	187	Average	VERTICAL

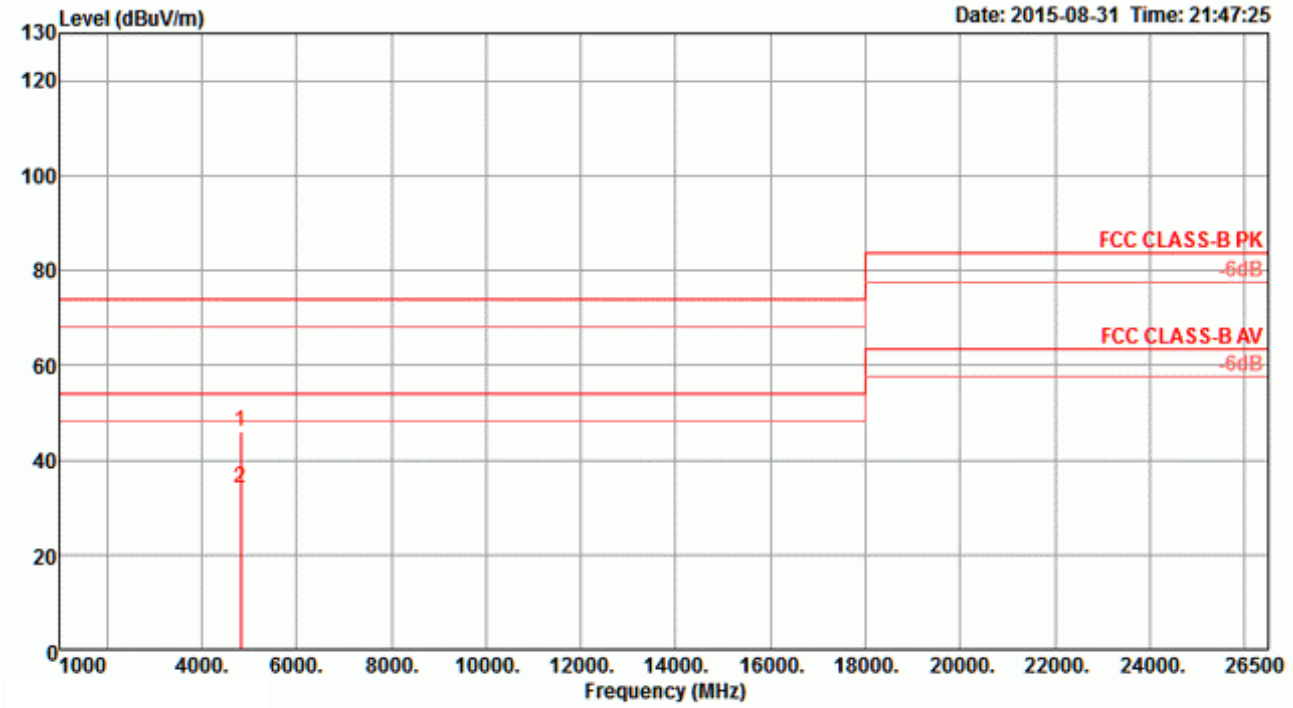
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802.11g CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4827.96	45.04	74.00	-28.96	42.77	4.10	32.69	34.52	60	165	Peak	HORIZONTAL
2	4829.88	34.08	54.00	-19.92	31.81	4.10	32.69	34.52	60	165	Average	HORIZONTAL

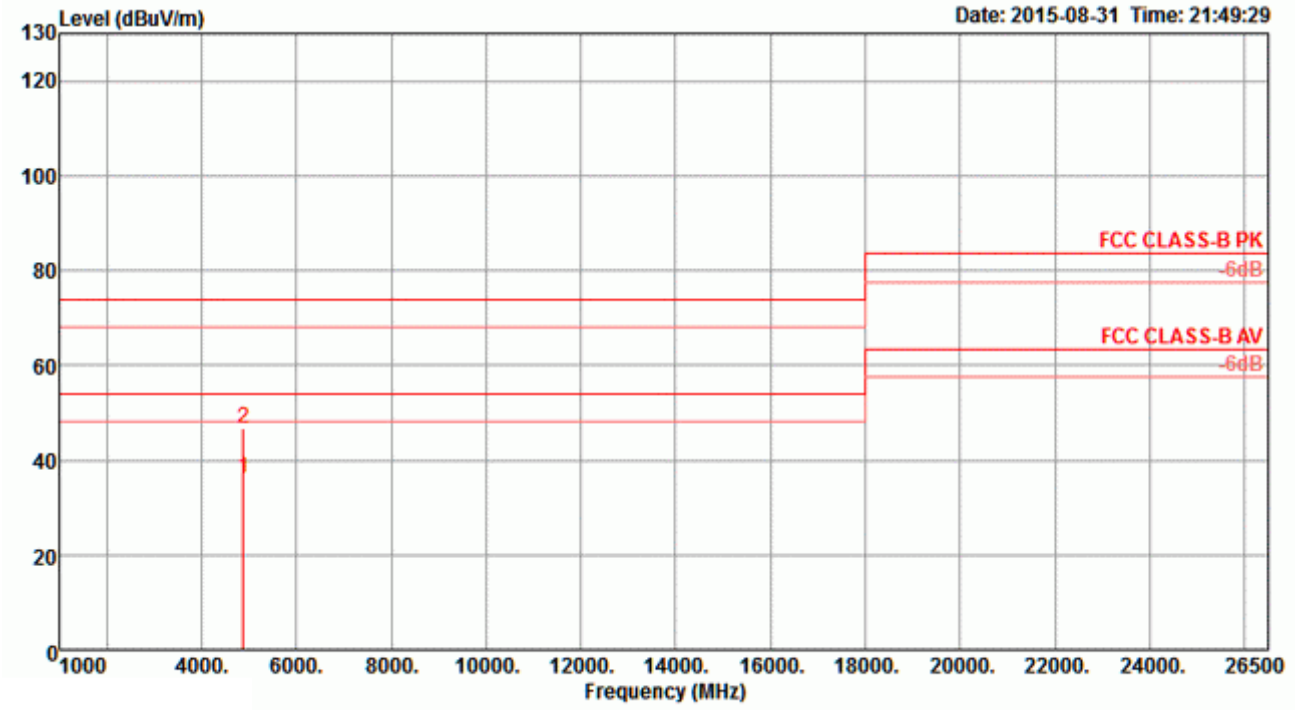
Vertical



	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	4819.88	45.90	74.00	-28.10	43.63	4.10	32.69	34.52	107	165	Peak	VERTICAL
2	4828.44	33.97	54.00	-20.03	31.70	4.10	32.69	34.52	107	165	Average	VERTICAL

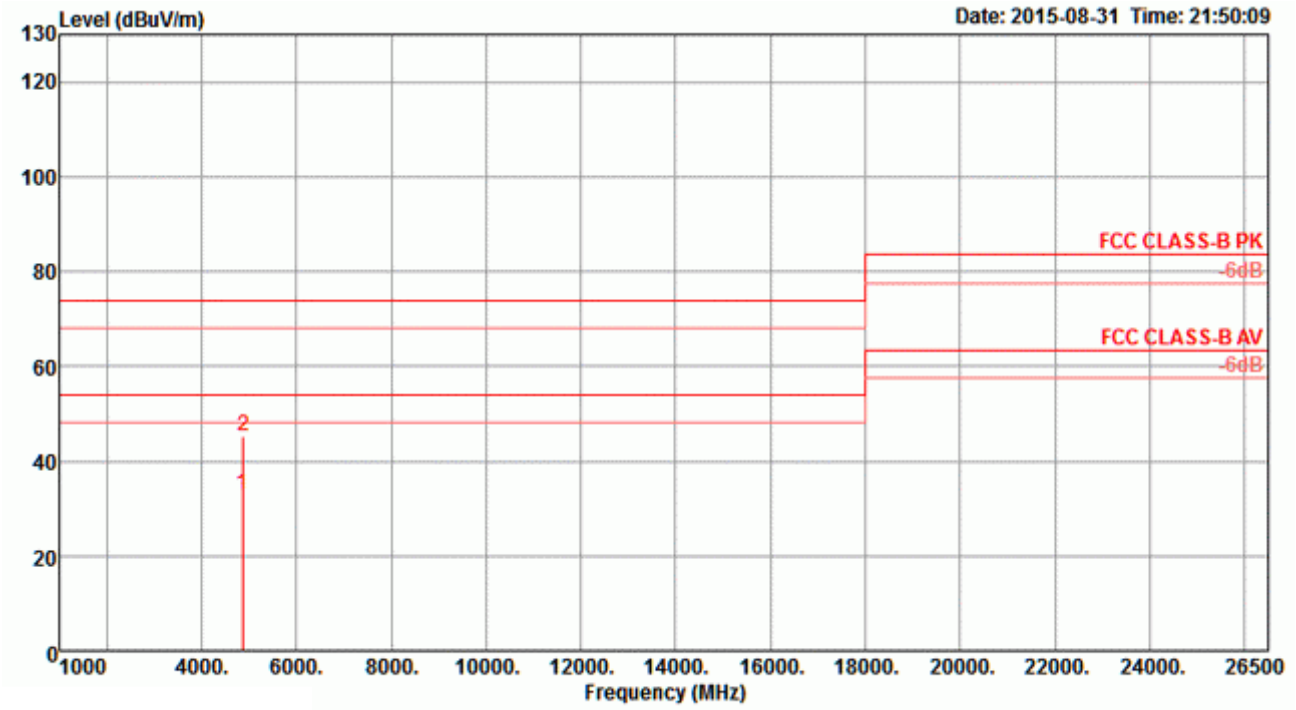
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802.11g CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4876.44	36.09	54.00	-17.91	33.69	4.13	32.78	34.51	328	165	Average	HORIZONTAL
2	4876.52	46.75	74.00	-27.25	44.35	4.13	32.78	34.51	328	165	Peak	HORIZONTAL

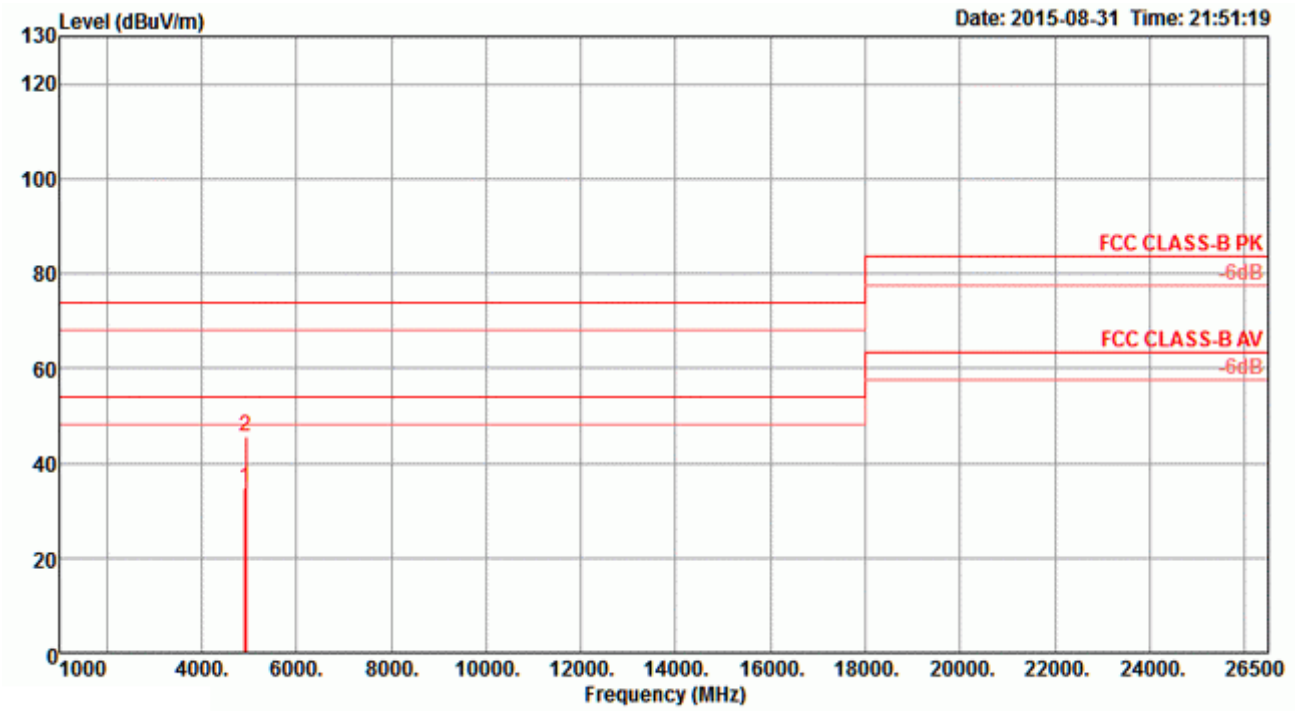
Vertical



	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	4868.16	32.85	54.00	-21.15	30.45	4.13	32.78	34.51	291	165	Average	VERTICAL
2	4883.16	45.16	74.00	-28.84	42.76	4.13	32.78	34.51	291	165	Peak	VERTICAL

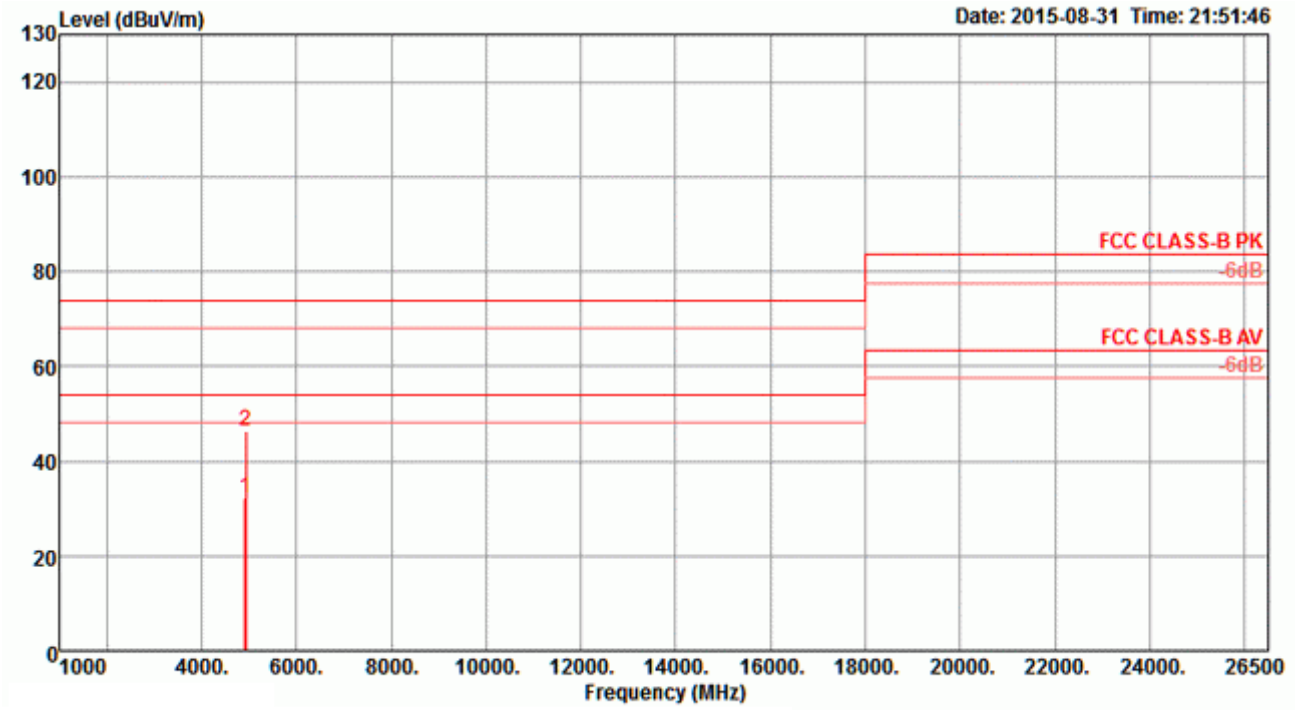
Temperature	26℃	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802.11g CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4920.12	34.63	54.00	-19.37	32.09	4.15	32.88	34.49	266	165	Average	HORIZONTAL
2	4926.04	45.71	74.00	-28.29	43.17	4.15	32.88	34.49	266	165	Peak	HORIZONTAL

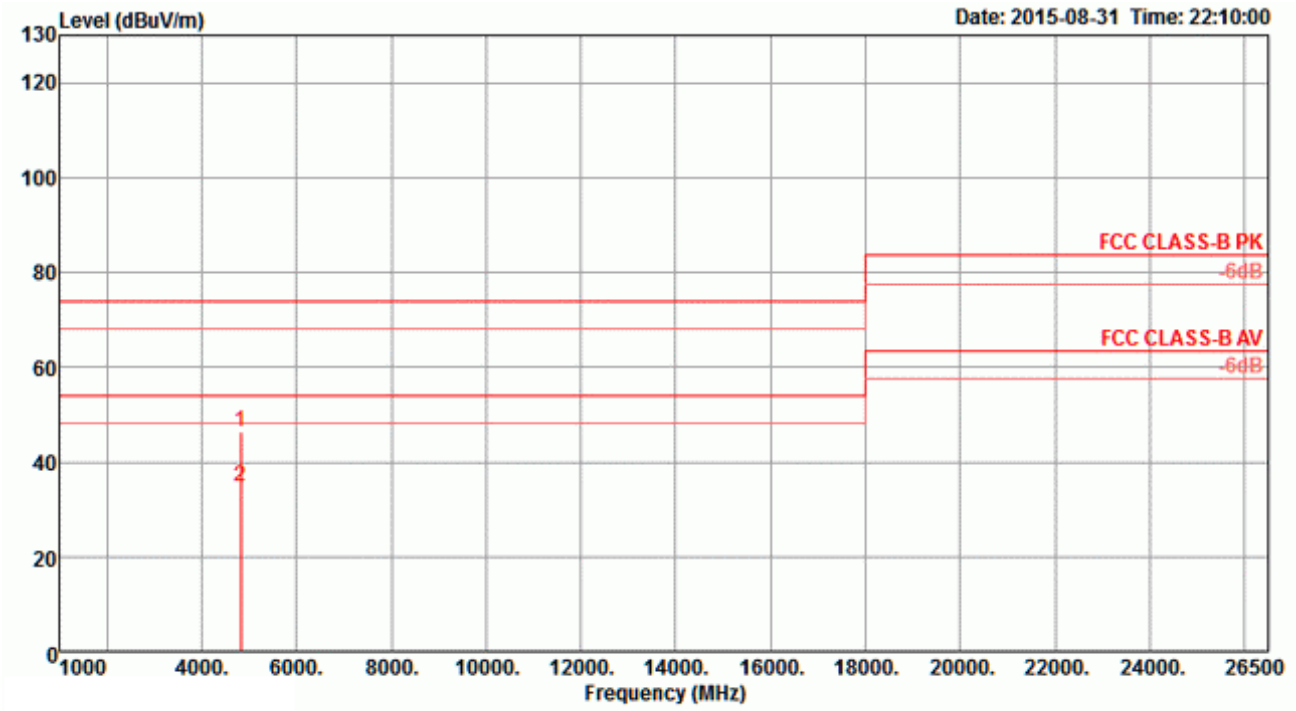
Vertical



	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	4923.84	32.40	54.00	-21.60	29.86	4.15	32.88	34.49	234	165	Average	VERTICAL
2	4928.64	46.34	74.00	-27.66	43.80	4.15	32.88	34.49	234	165	Peak	VERTICAL

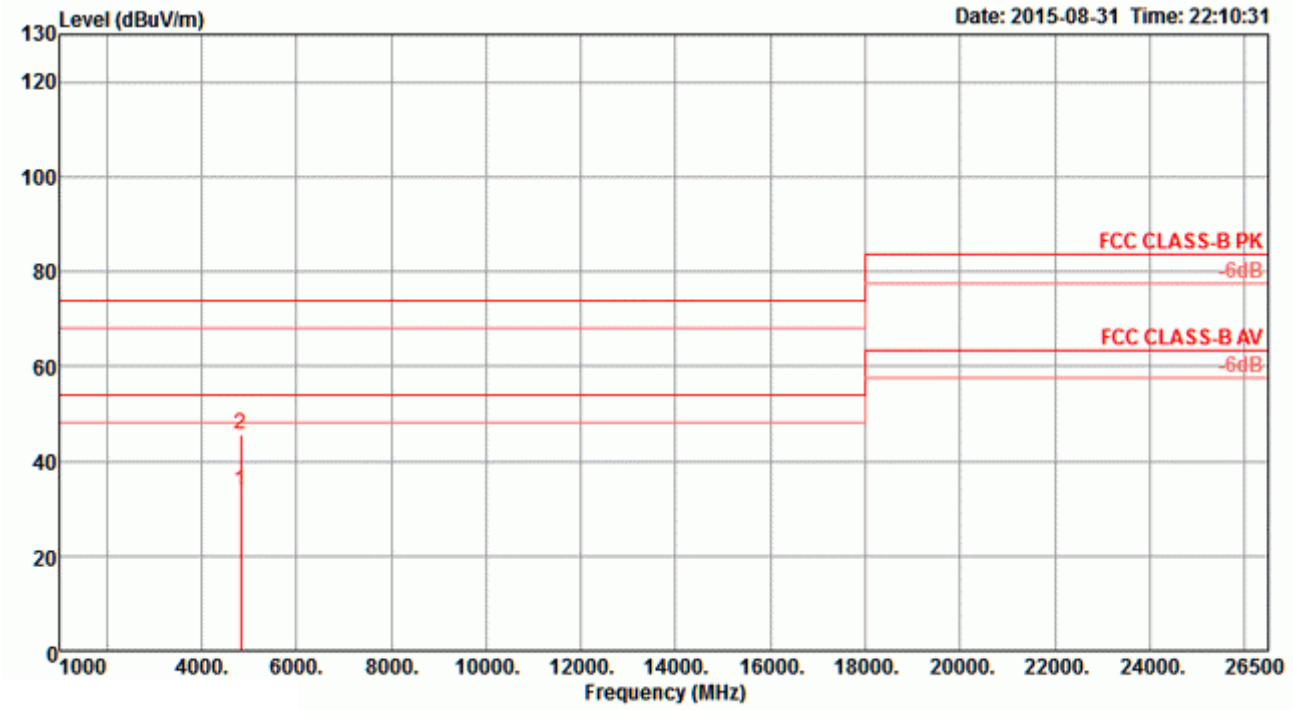
Temperature	26℃	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4829.92	46.52	74.00	-27.48	44.25	4.10	32.69	34.52	219	165	Peak	HORIZONTAL
2	4832.12	34.78	54.00	-19.22	32.51	4.10	32.69	34.52	219	165	Average	HORIZONTAL

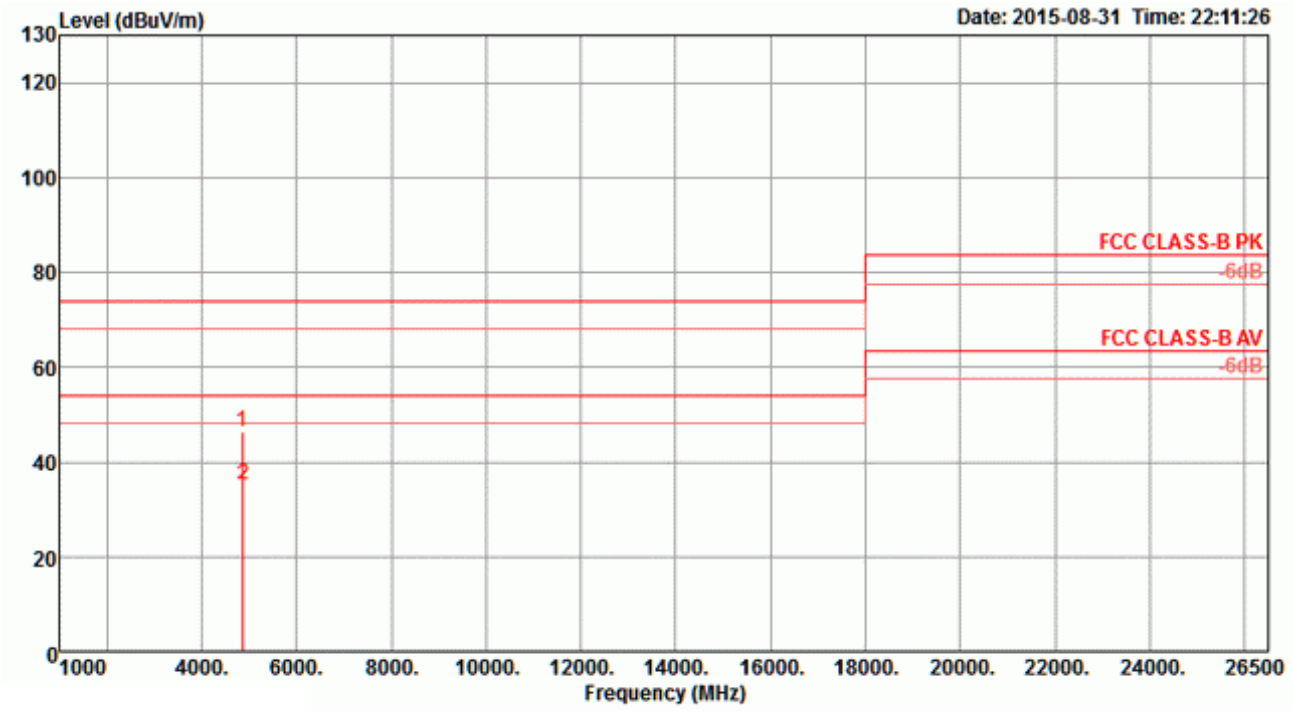
Vertical



	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	4831.32	33.84	54.00	-20.16	31.57	4.10	32.69	34.52	188	165	Average	VERTICAL
2	4833.44	45.52	74.00	-28.48	43.25	4.10	32.69	34.52	188	165	Peak	VERTICAL

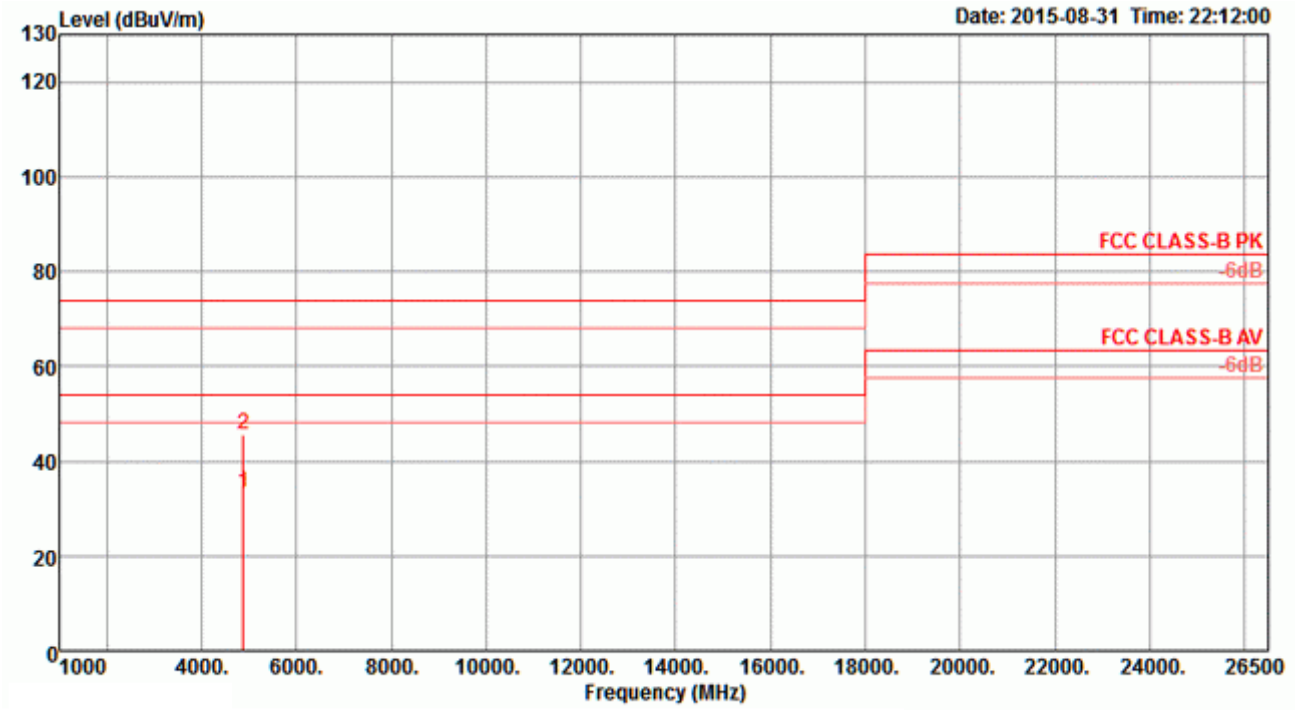
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4865.64	46.43	74.00	-27.57	44.07	4.12	32.75	34.51	157	165	Peak	HORIZONTAL
2	4875.32	34.96	54.00	-19.04	32.56	4.13	32.78	34.51	157	165	Average	HORIZONTAL

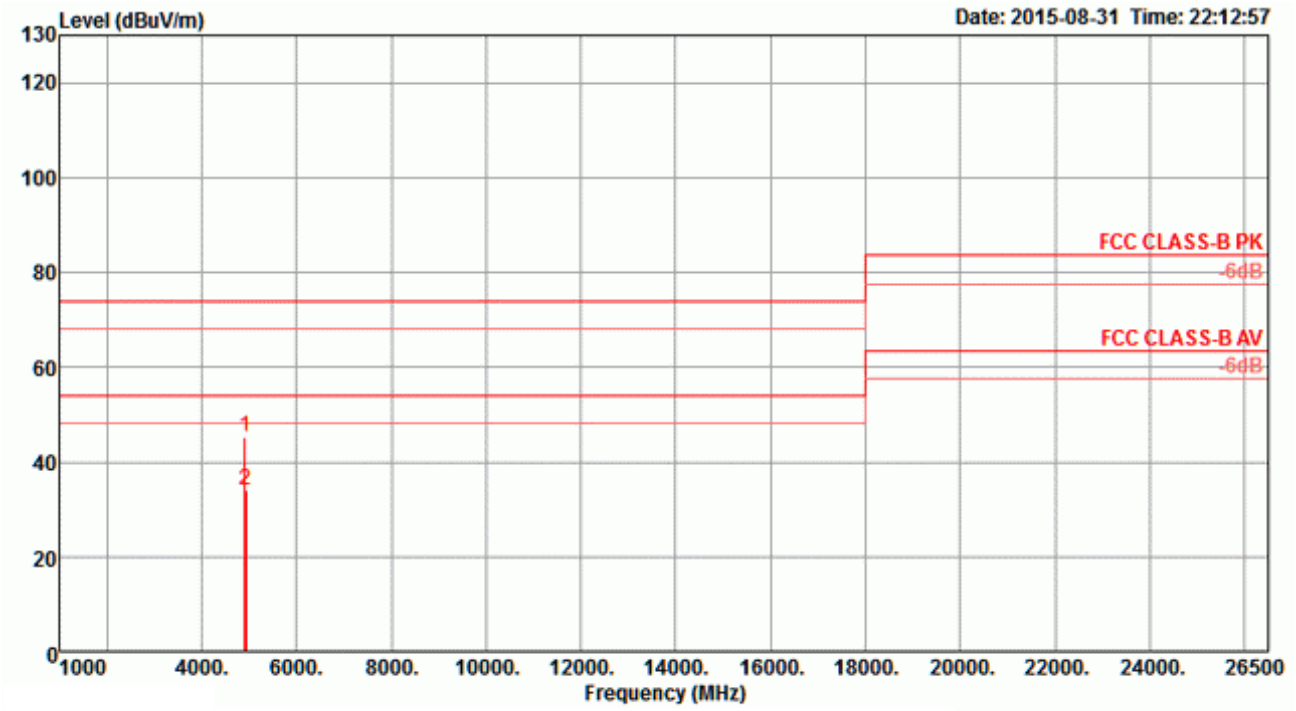
Vertical



	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	4875.16	33.24	54.00	-20.76	30.84	4.13	32.78	34.51	132	165	Average	VERTICAL
2	4879.88	45.49	74.00	-28.51	43.09	4.13	32.78	34.51	132	165	Peak	VERTICAL

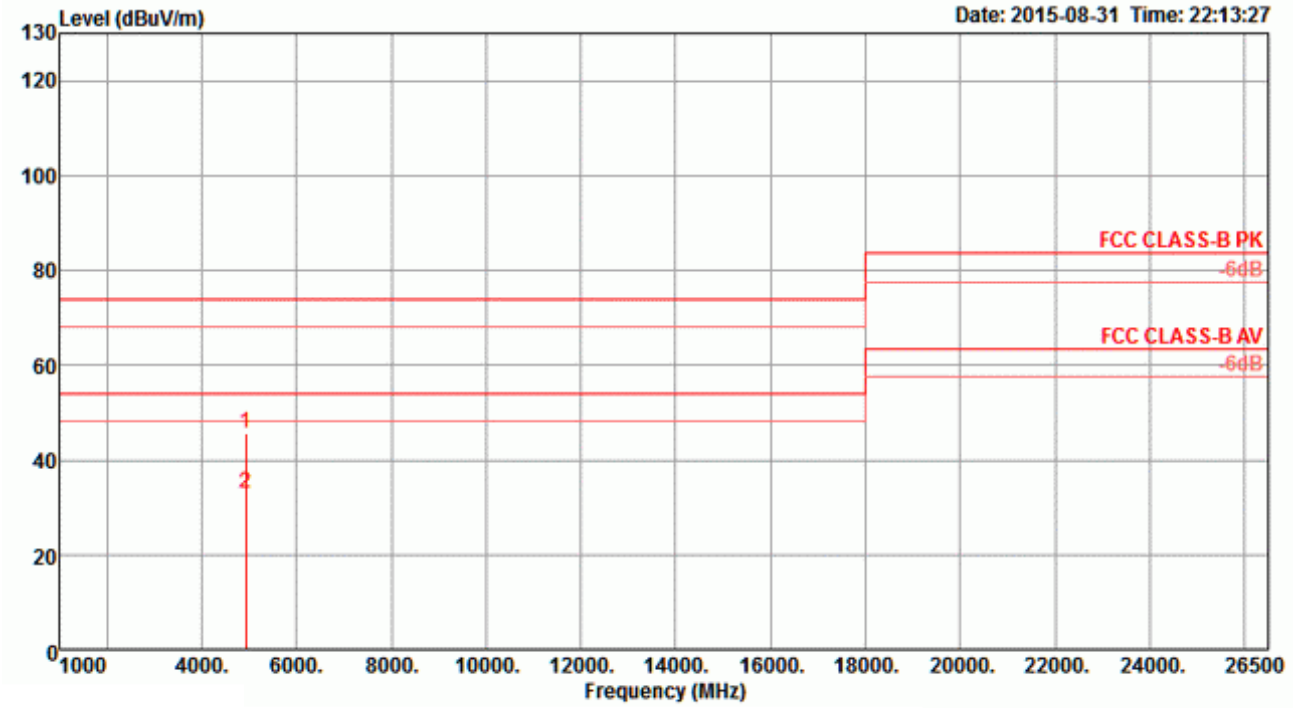
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4923.64	45.27	74.00	-28.73	42.73	4.15	32.88	34.49	102	165	Peak	HORIZONTAL
2	4927.16	34.17	54.00	-19.83	31.63	4.15	32.88	34.49	102	165	Average	HORIZONTAL

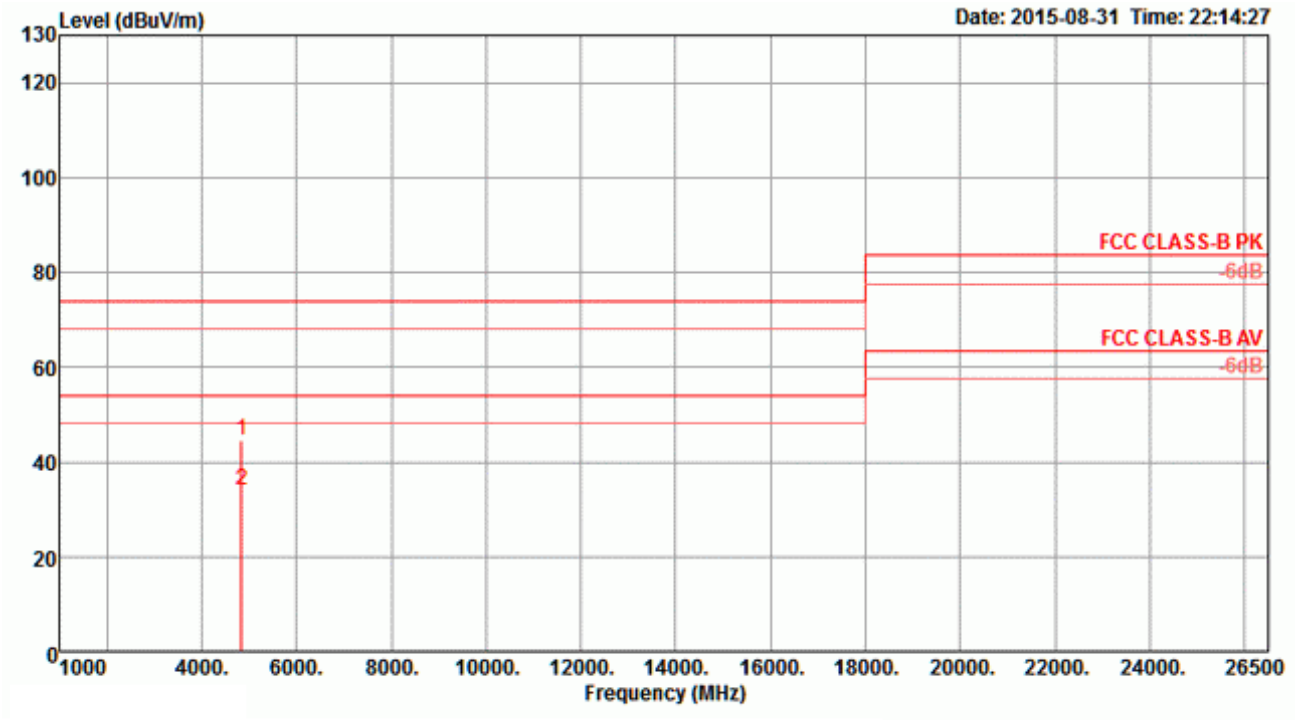
Vertical



	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	4925.92	45.79	74.00	-28.21	43.25	4.15	32.88	34.49	121	165	Peak	VERTICAL
2	4927.16	33.05	54.00	-20.95	30.51	4.15	32.88	34.49	121	165	Average	VERTICAL

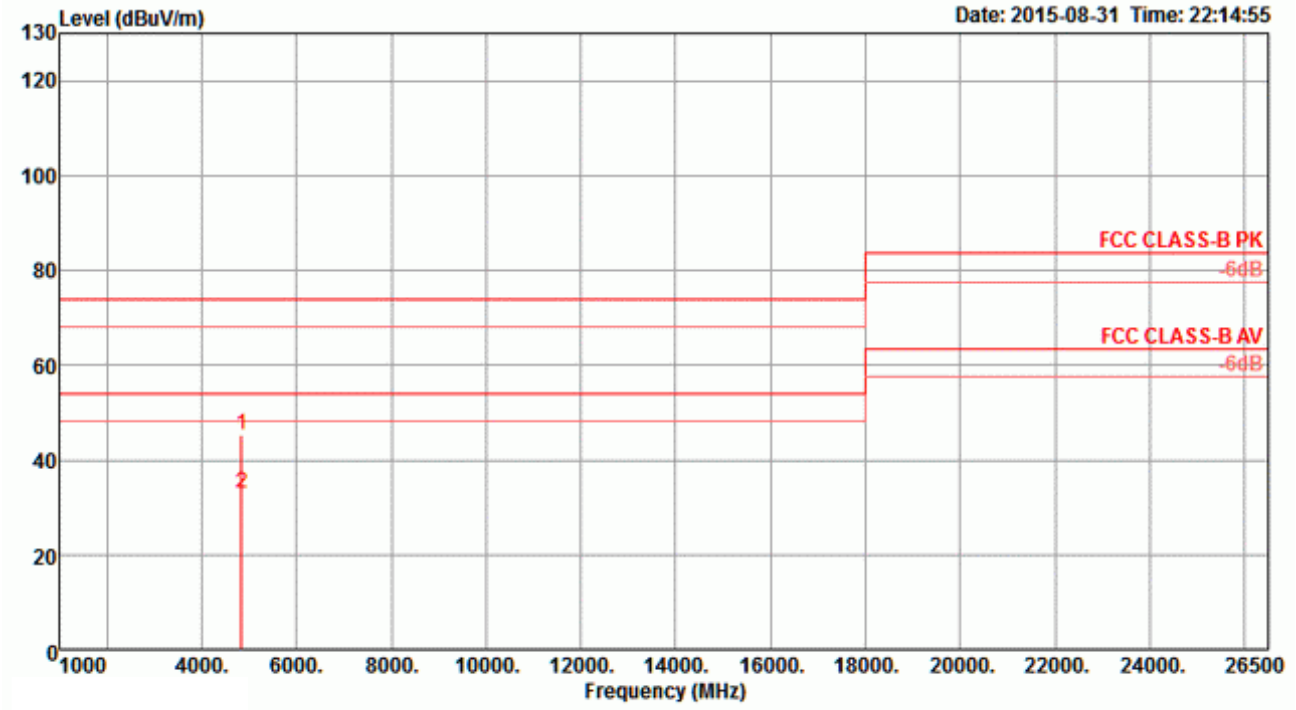
Temperature	26℃	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4837.04	44.48	74.00	-29.52	42.17	4.11	32.72	34.52	169	165	Peak	HORIZONTAL
2	4842.80	33.86	54.00	-20.14	31.54	4.11	32.72	34.51	169	165	Average	HORIZONTAL

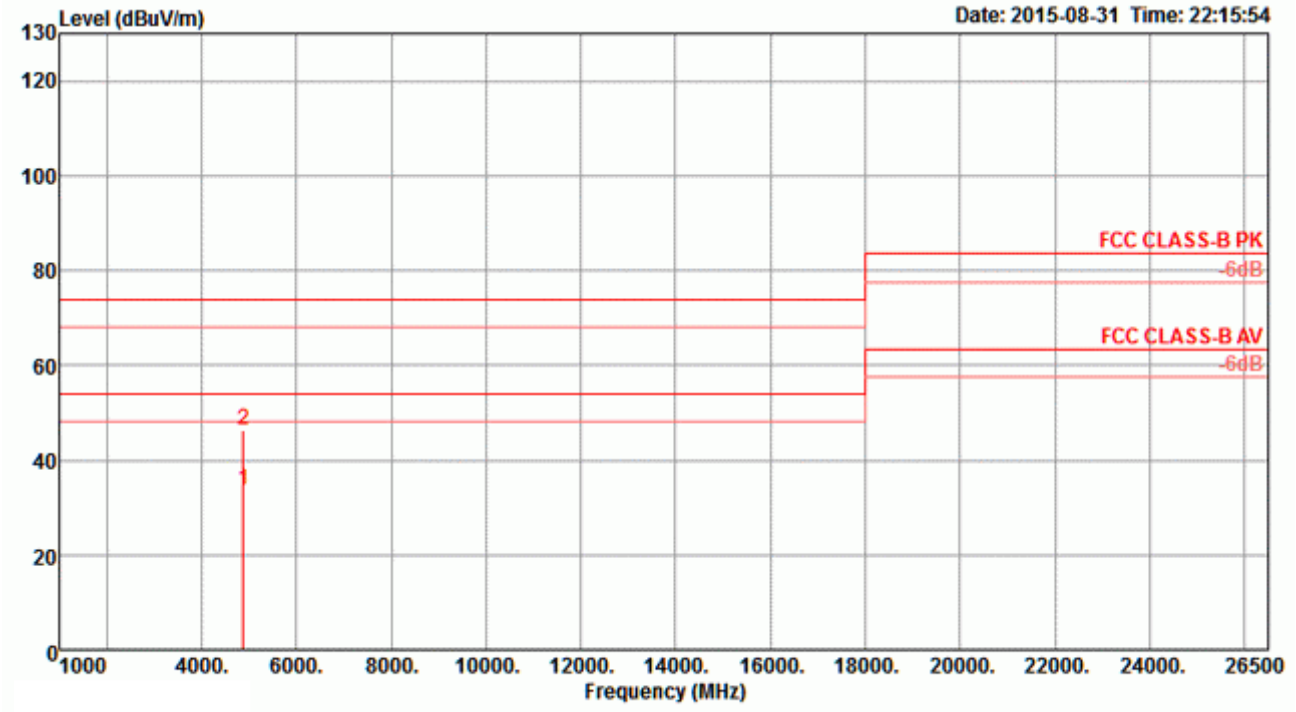
Vertical



	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	4836.08	45.11	74.00	-28.89	42.80	4.11	32.72	34.52	189	165	Peak	VERTICAL
2	4842.40	32.91	54.00	-21.09	30.59	4.11	32.72	34.51	189	165	Average	VERTICAL

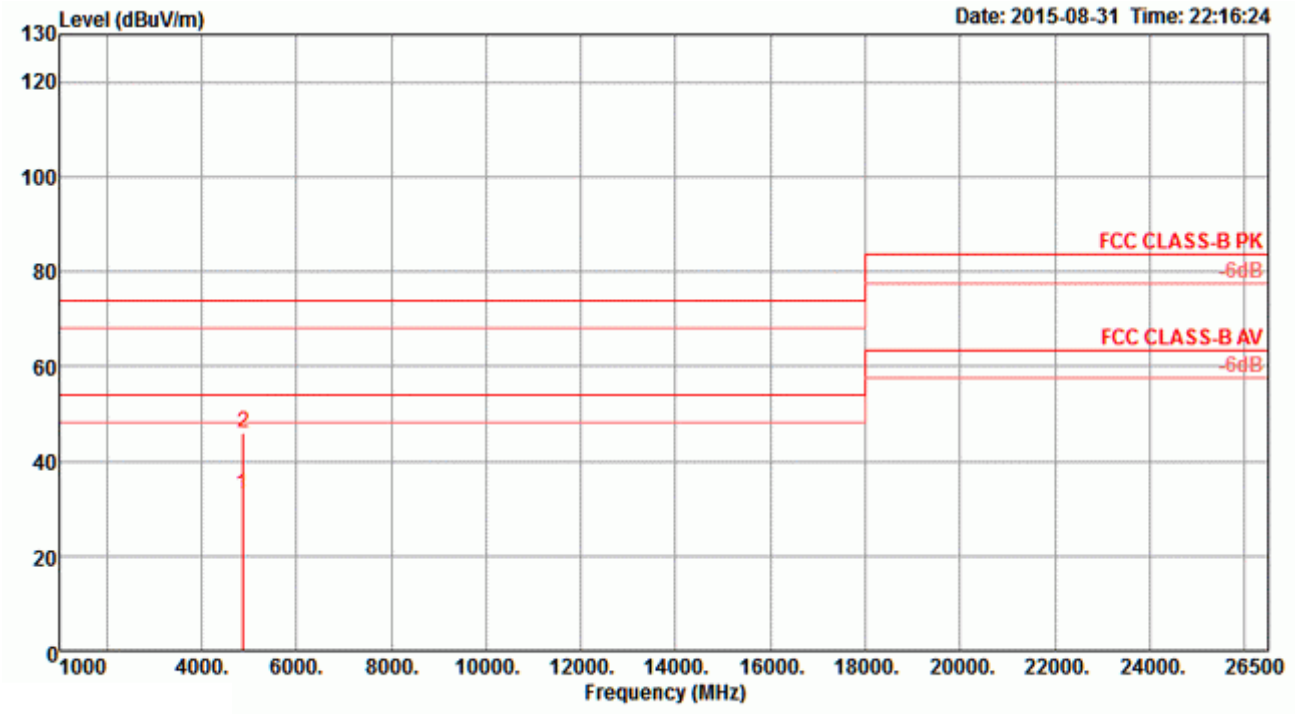
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	33.81	54.00	-20.19	31.41	4.13	32.78	34.51	208	165	Average	HORIZONTAL
2	4884.00	46.37	74.00	-27.63	43.97	4.13	32.78	34.51	208	165	Peak	HORIZONTAL

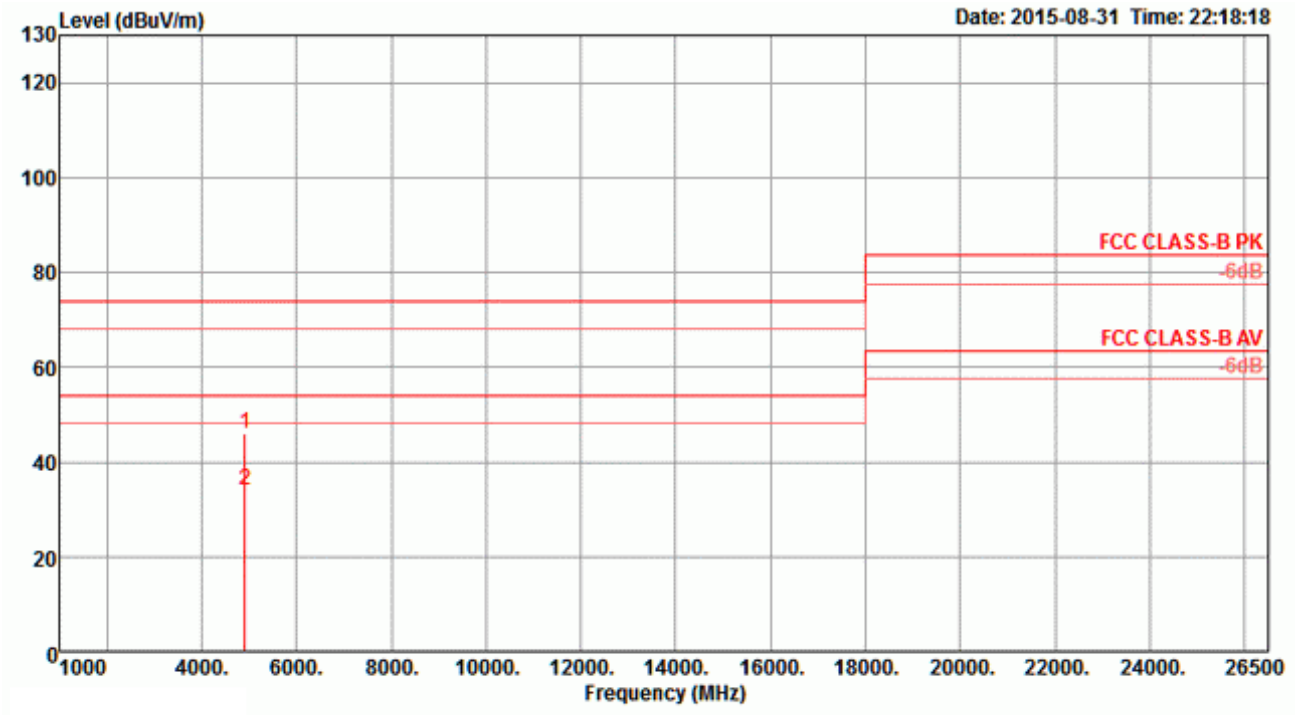
Vertical



	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	4866.52	33.06	54.00	-20.94	30.70	4.12	32.75	34.51	189	165	Average	VERTICAL
2	4883.88	45.83	74.00	-28.17	43.43	4.13	32.78	34.51	189	165	Peak	VERTICAL

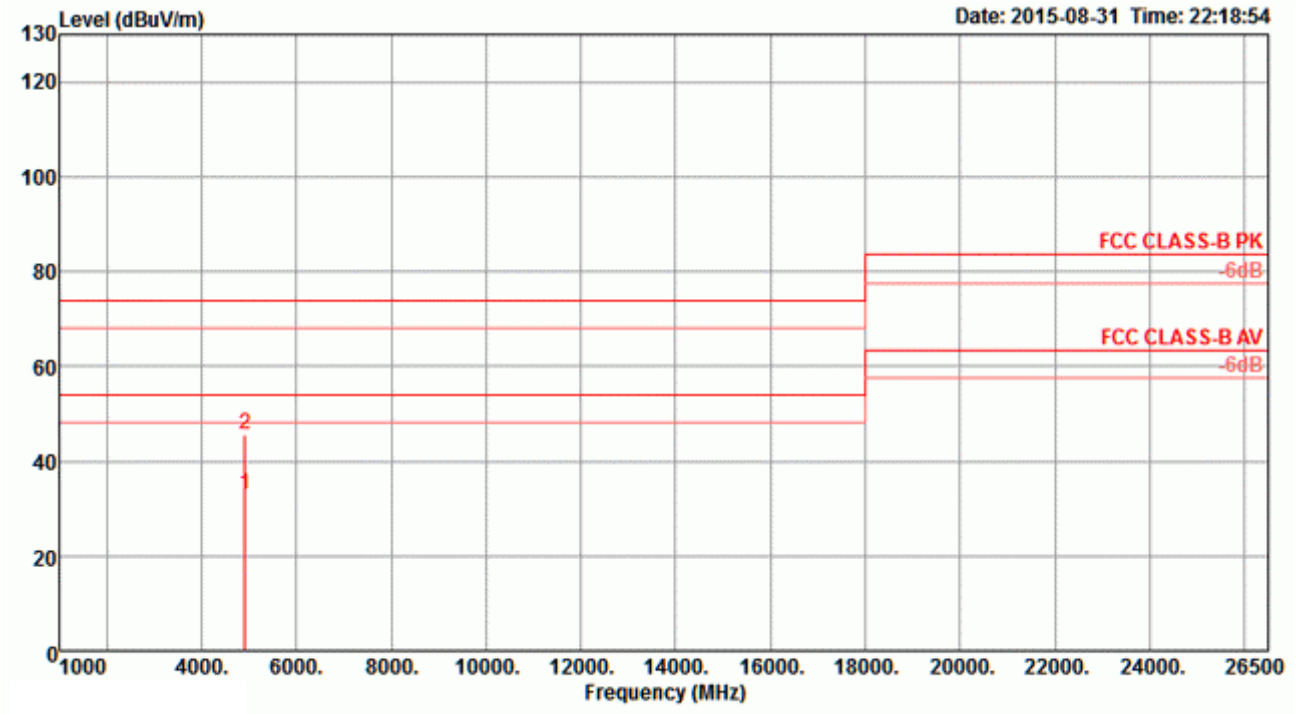
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4911.20	46.06	74.00	-27.94	43.58	4.14	32.84	34.50	156	165	Peak	HORIZONTAL
2	4913.48	34.05	54.00	-19.95	31.57	4.14	32.84	34.50	156	165	Average	HORIZONTAL

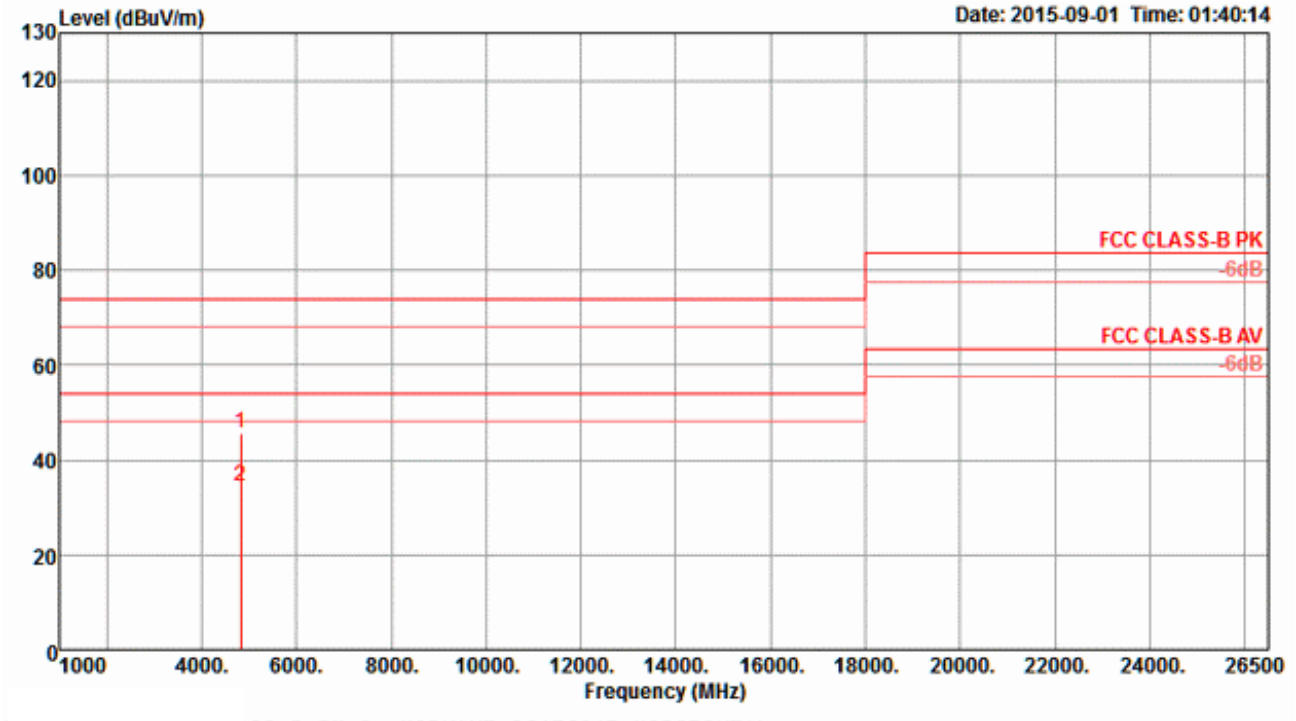
Vertical



	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	4907.28	33.03	54.00	-20.97	30.55	4.14	32.84	34.50	120	165	Average	VERTICAL
2	4912.64	45.77	74.00	-28.23	43.29	4.14	32.84	34.50	120	165	Peak	VERTICAL

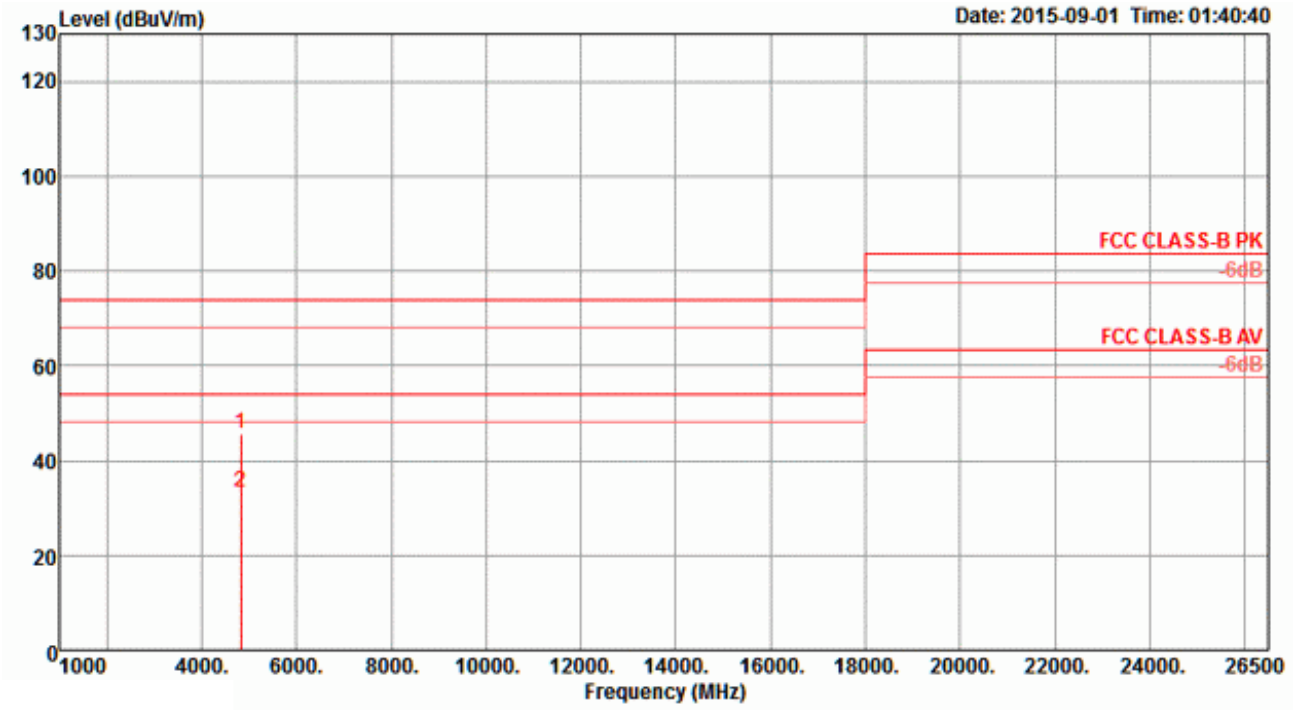
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss4 VHT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4827.88	45.49	74.00	-28.51	43.22	4.10	32.69	34.52	131	165	Peak	HORIZONTAL
2	4830.64	34.37	54.00	-19.63	32.10	4.10	32.69	34.52	131	165	Average	HORIZONTAL

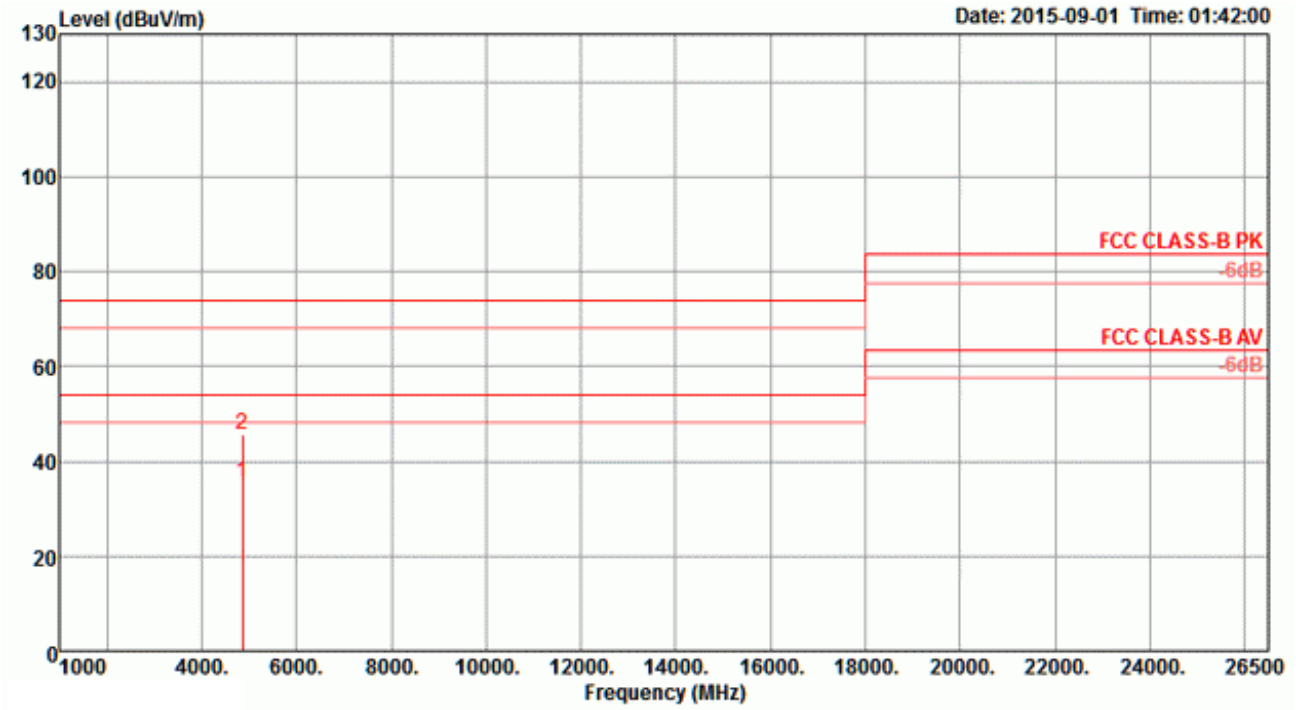
Vertical



	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	4829.32	45.63	74.00	-28.37	43.36	4.10	32.69	34.52	151	165	Peak	VERTICAL
2	4831.36	33.21	54.00	-20.79	30.94	4.10	32.69	34.52	151	165	Average	VERTICAL

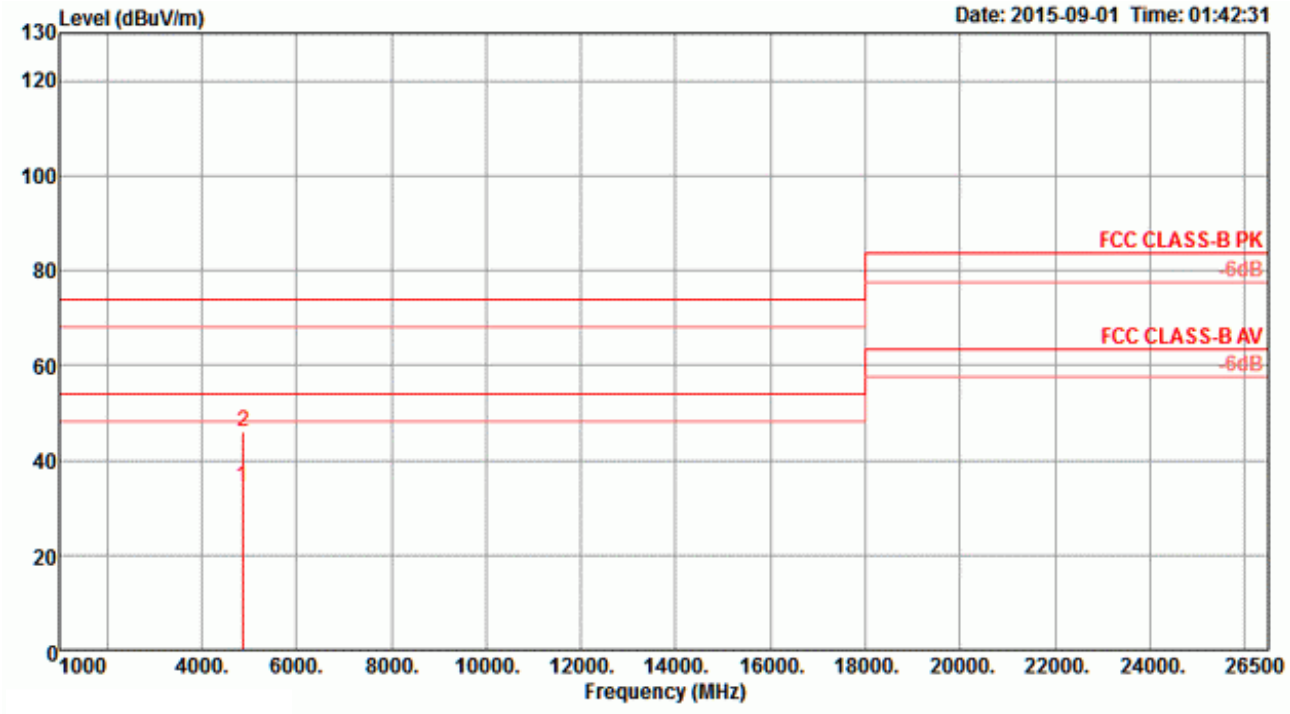
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss4 VHT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4868.12	35.32	54.00	-18.68	32.92	4.13	32.78	34.51	169	165	Average	HORIZONTAL
2	4869.00	45.63	74.00	-28.37	43.23	4.13	32.78	34.51	169	165	Peak	HORIZONTAL

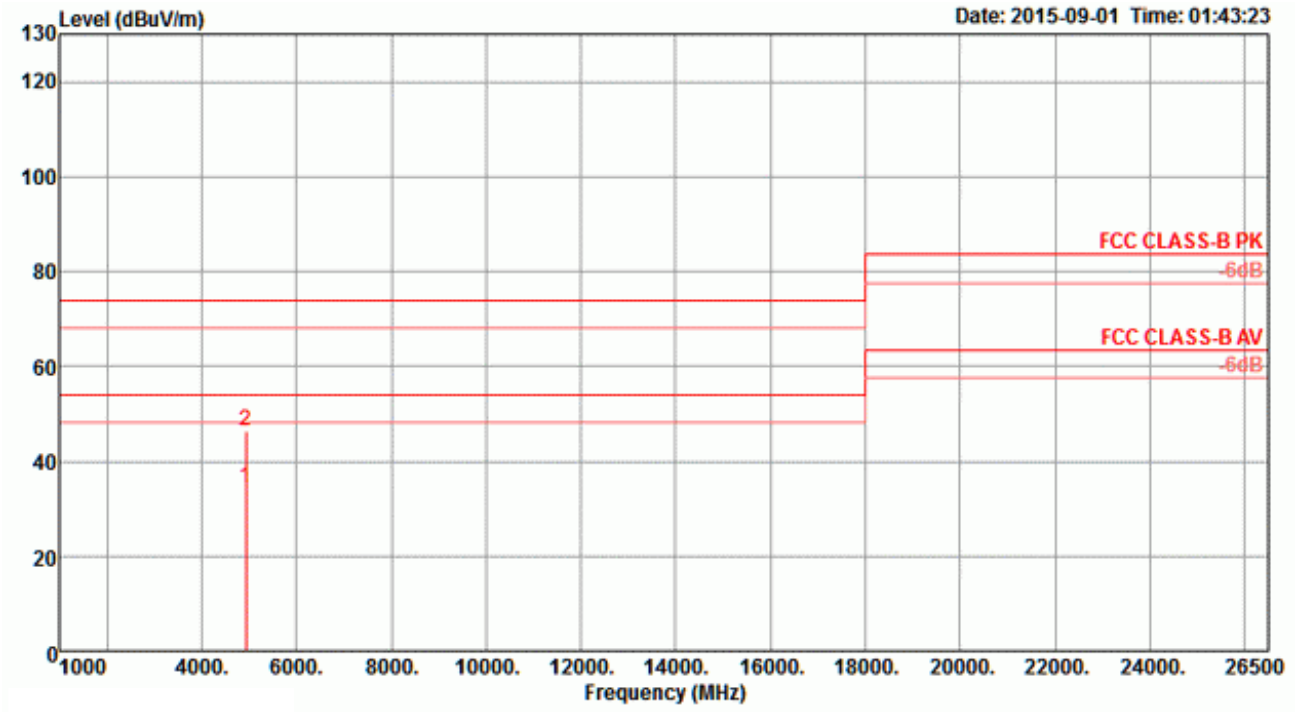
Vertical



	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	4866.40	34.34	54.00	-19.66	31.98	4.12	32.75	34.51	197	165	Average	VERTICAL
2	4871.72	46.05	74.00	-27.95	43.65	4.13	32.78	34.51	197	165	Peak	VERTICAL

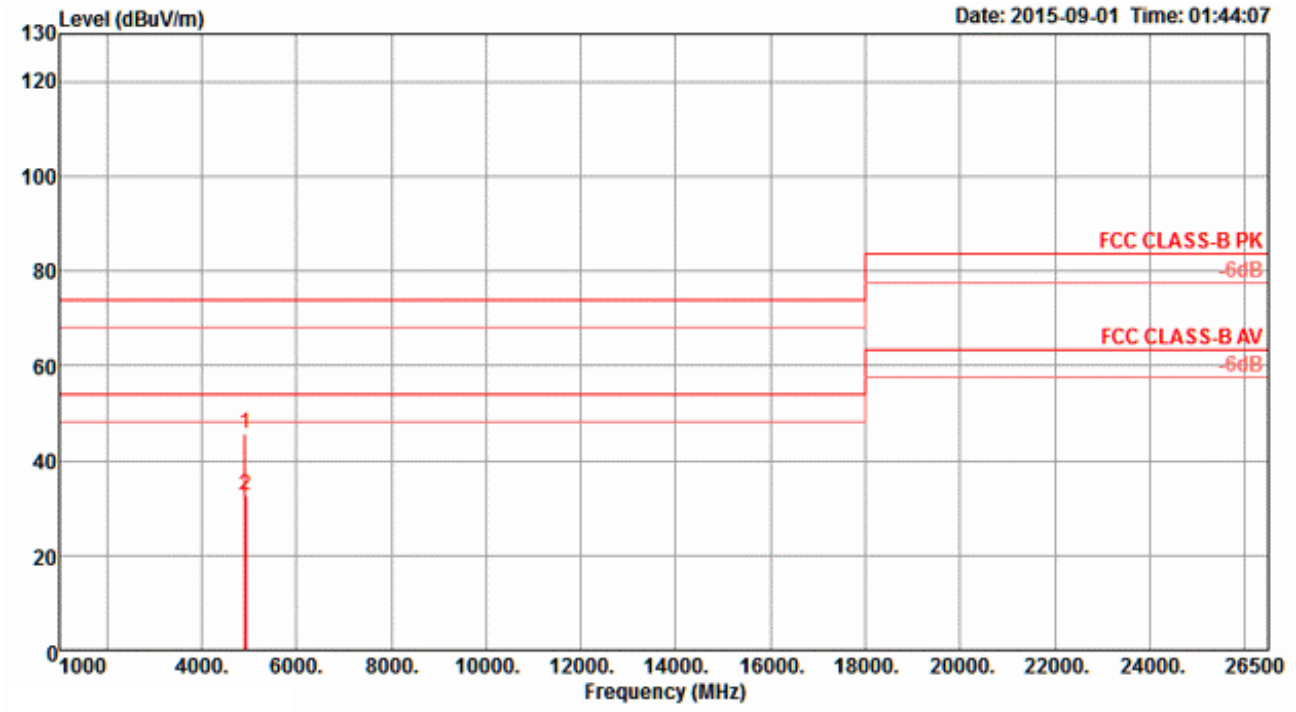
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss4 VHT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4925.92	34.33	54.00	-19.67	31.79	4.15	32.88	34.49	215	165	Average	HORIZONTAL
2	4927.92	46.22	74.00	-27.78	43.68	4.15	32.88	34.49	215	165	Peak	HORIZONTAL

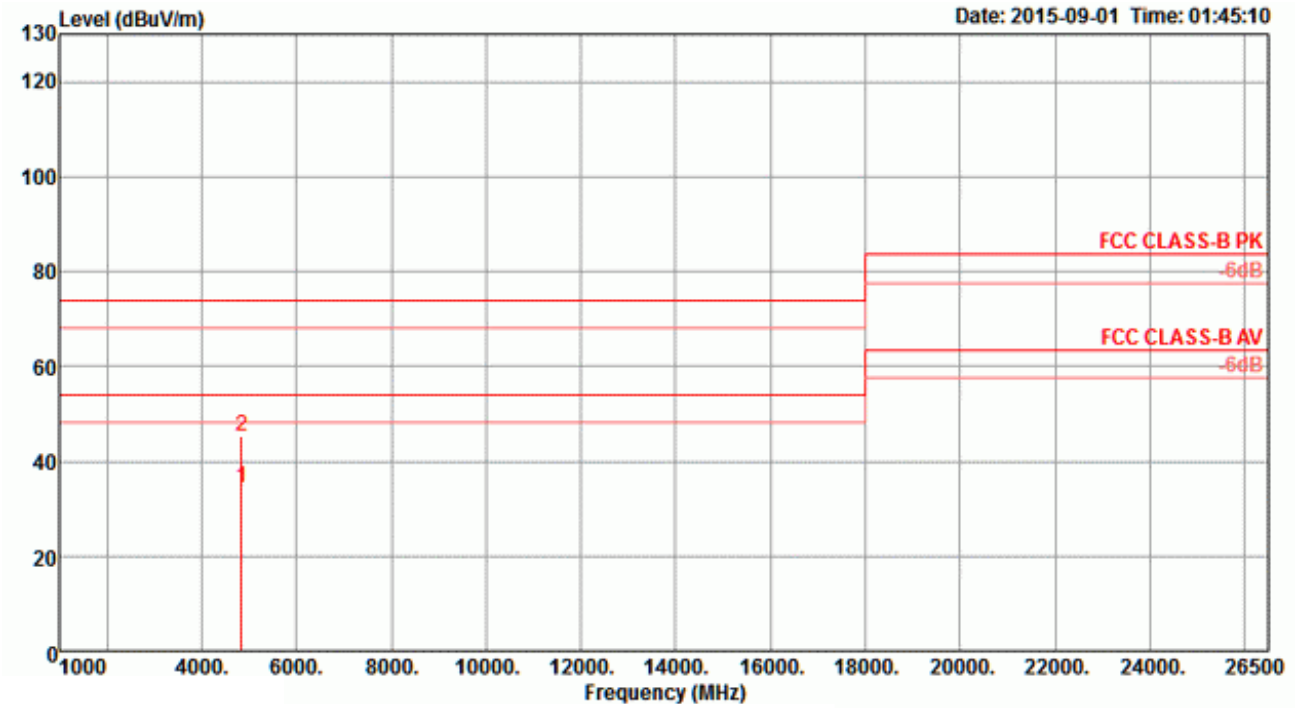
Vertical



	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	4920.60	45.60	74.00	-28.40	43.06	4.15	32.88	34.49	203	165	Peak	VERTICAL
2	4927.64	32.45	54.00	-21.55	29.91	4.15	32.88	34.49	203	165	Average	VERTICAL

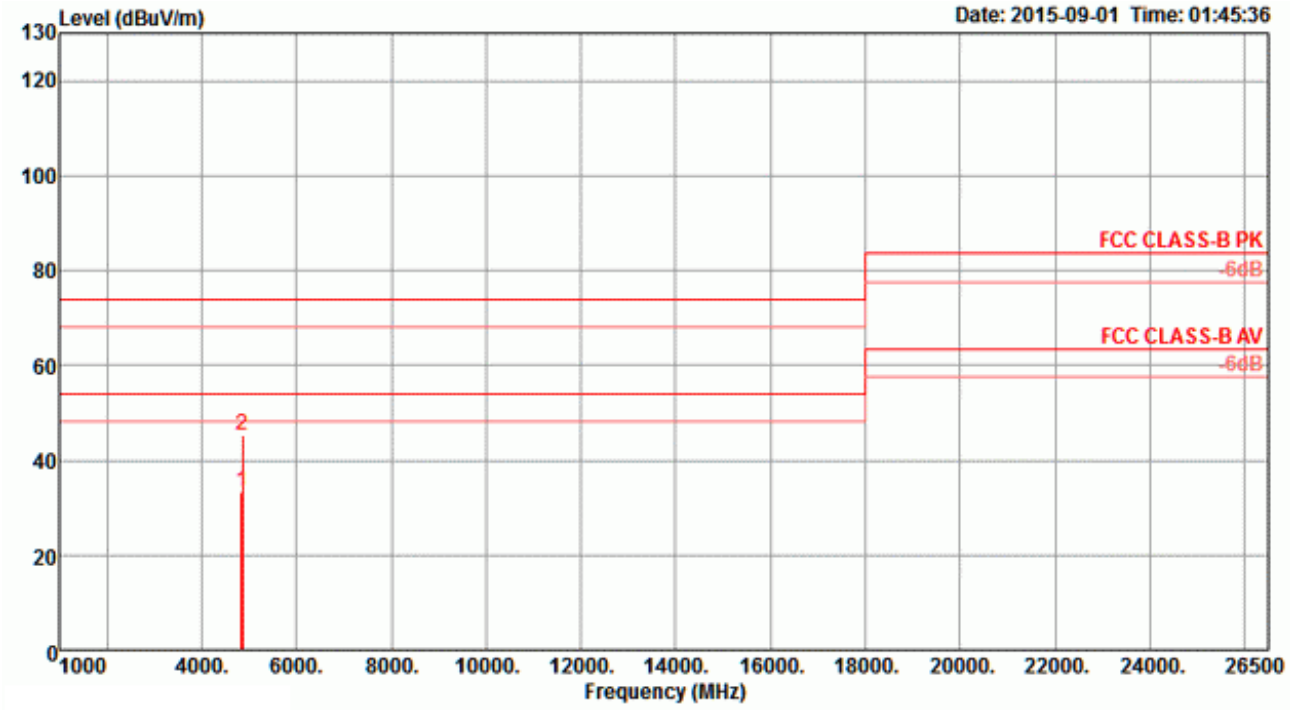
Temperature	26℃	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss4 VHT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4836.36	34.32	54.00	-19.68	32.01	4.11	32.72	34.52	174	165	Average	HORIZONTAL
2	4842.88	45.36	74.00	-28.64	43.04	4.11	32.72	34.51	174	165	Peak	HORIZONTAL

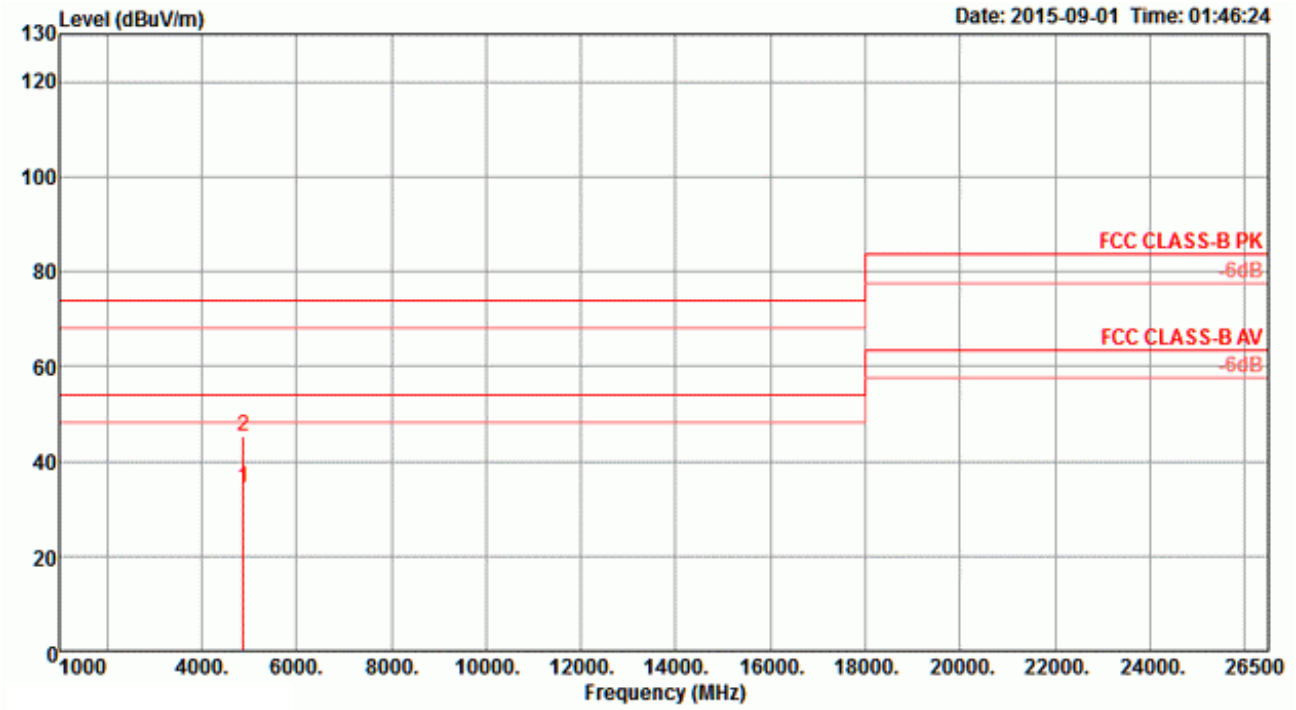
Vertical



	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	4844.64	33.24	54.00	-20.76	30.92	4.11	32.72	34.51	165	165	Average	VERTICAL
2	4852.48	45.36	74.00	-28.64	43.00	4.12	32.75	34.51	165	165	Peak	VERTICAL

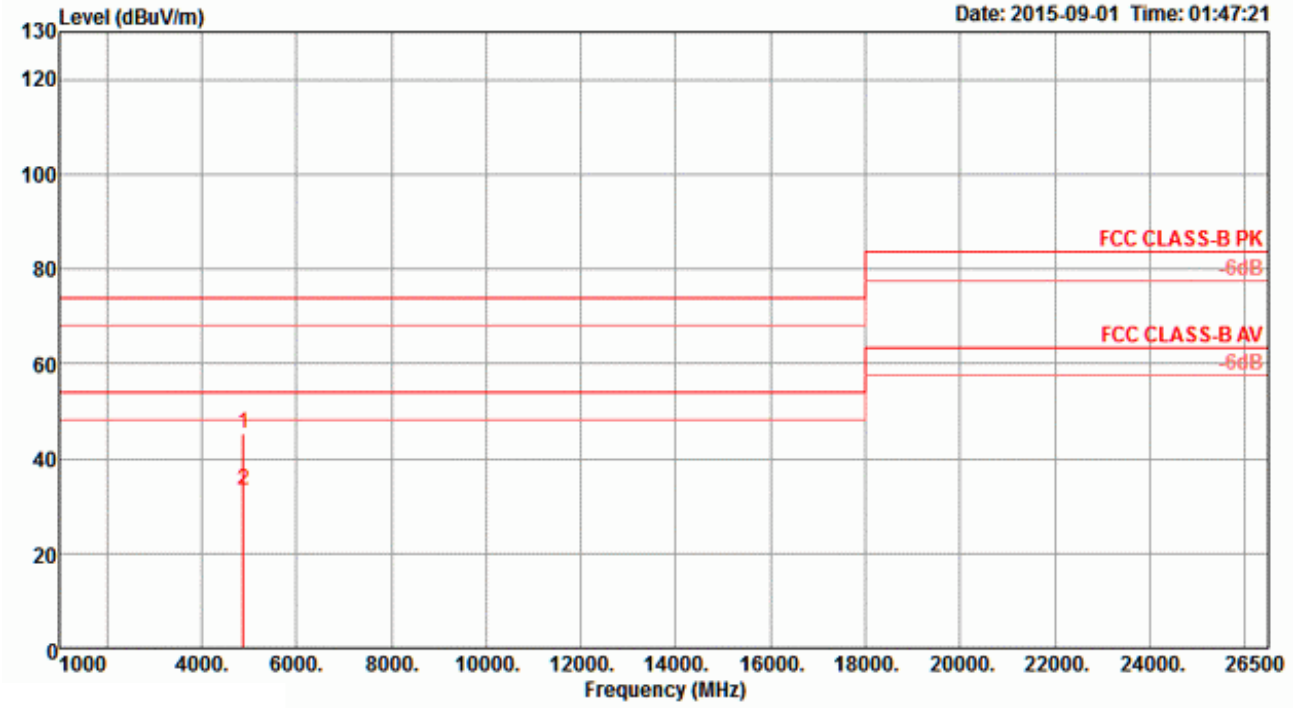
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss4 VHT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4871.08	34.51	54.00	-19.49	32.11	4.13	32.78	34.51	193	165	Average	HORIZONTAL
2	4872.88	45.17	74.00	-28.83	42.77	4.13	32.78	34.51	193	165	Peak	HORIZONTAL

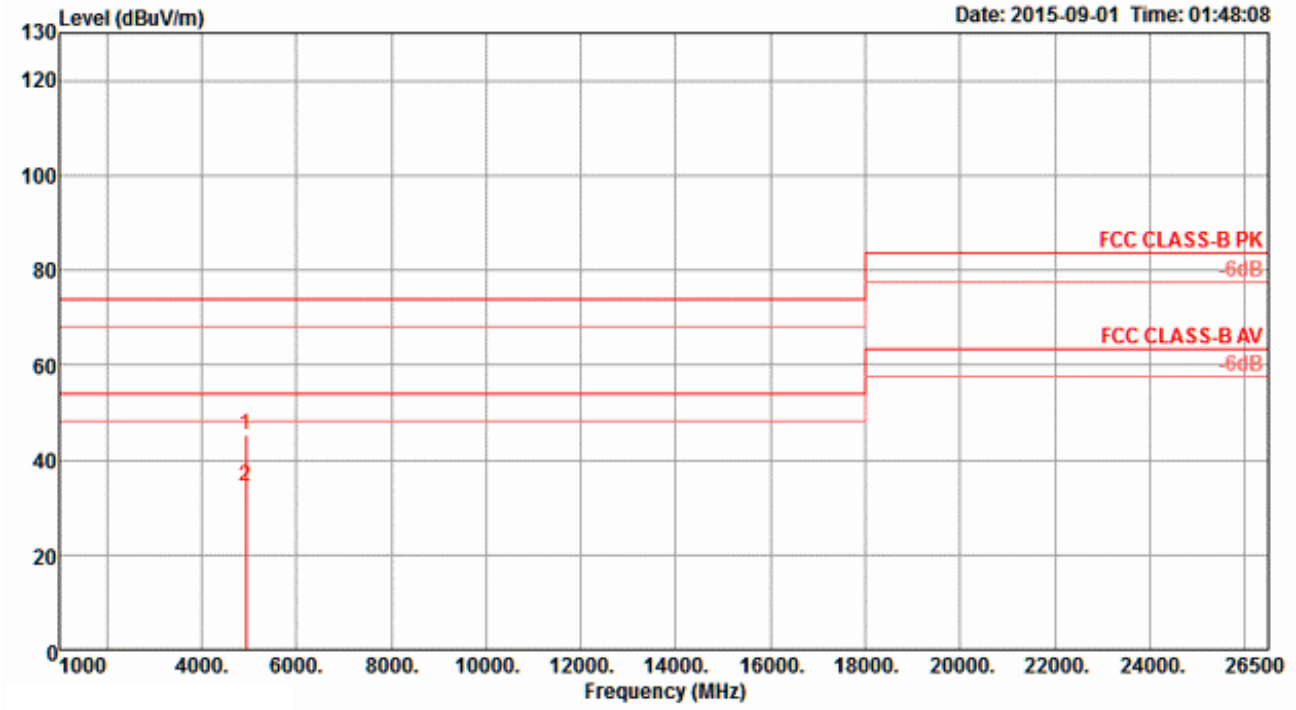
Vertical



	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	4870.60	45.29	74.00	-28.71	42.89	4.13	32.78	34.51	164	165	Peak	VERTICAL
2	4871.32	33.42	54.00	-20.58	31.02	4.13	32.78	34.51	164	165	Average	VERTICAL

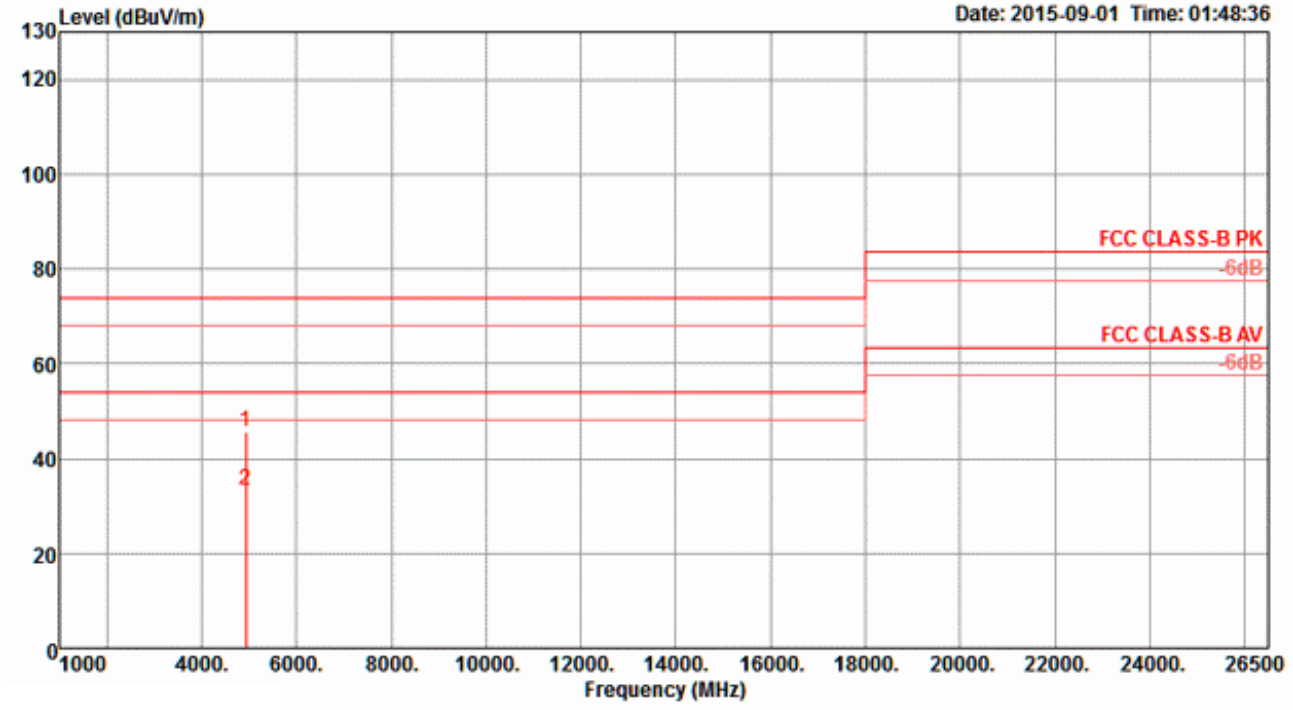
Temperature	26℃	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss4 VHT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4924.56	45.43	74.00	-28.57	42.89	4.15	32.88	34.49	180	165	Peak	HORIZONTAL
2	4926.92	34.39	54.00	-19.61	31.85	4.15	32.88	34.49	180	165	Average	HORIZONTAL

Vertical

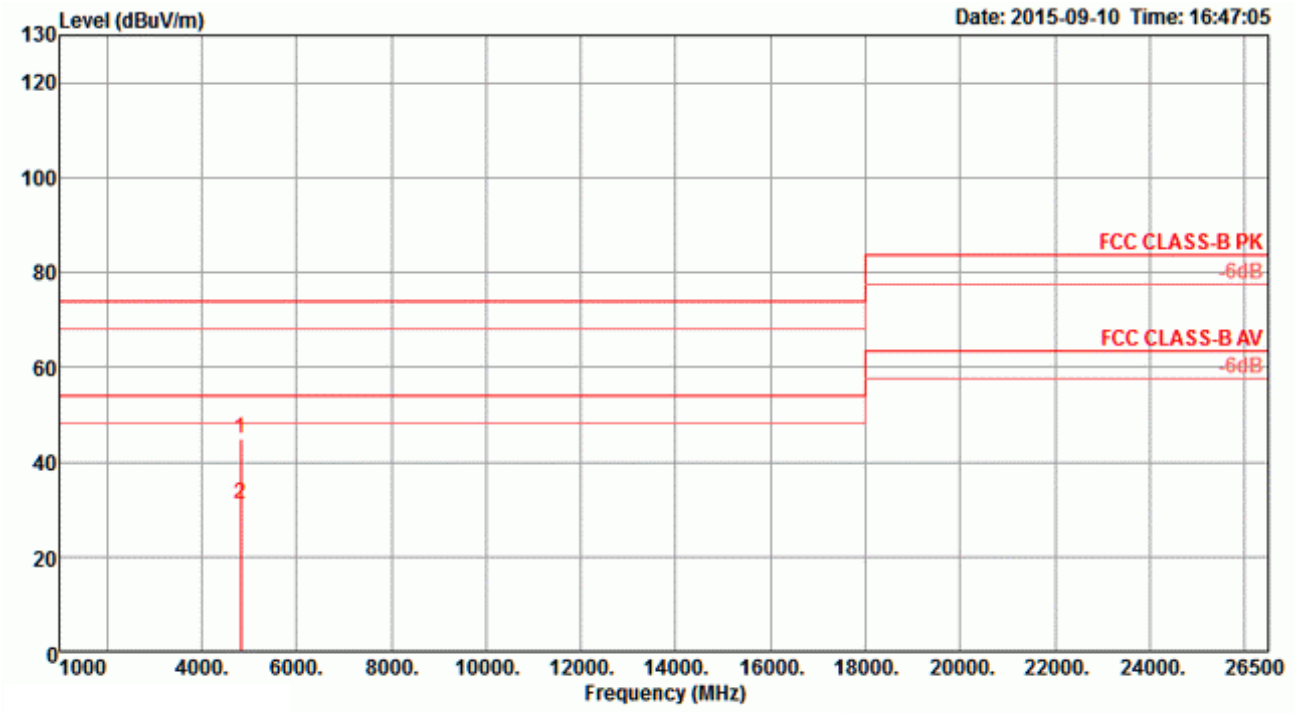


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	4925.24	45.62	74.00	-28.38	43.08	4.15	32.88	34.49	146	165	Peak	VERTICAL
2	4925.32	33.46	54.00	-20.54	30.92	4.15	32.88	34.49	146	165	Average	VERTICAL

<For Radio 1 Beamforming Mode>

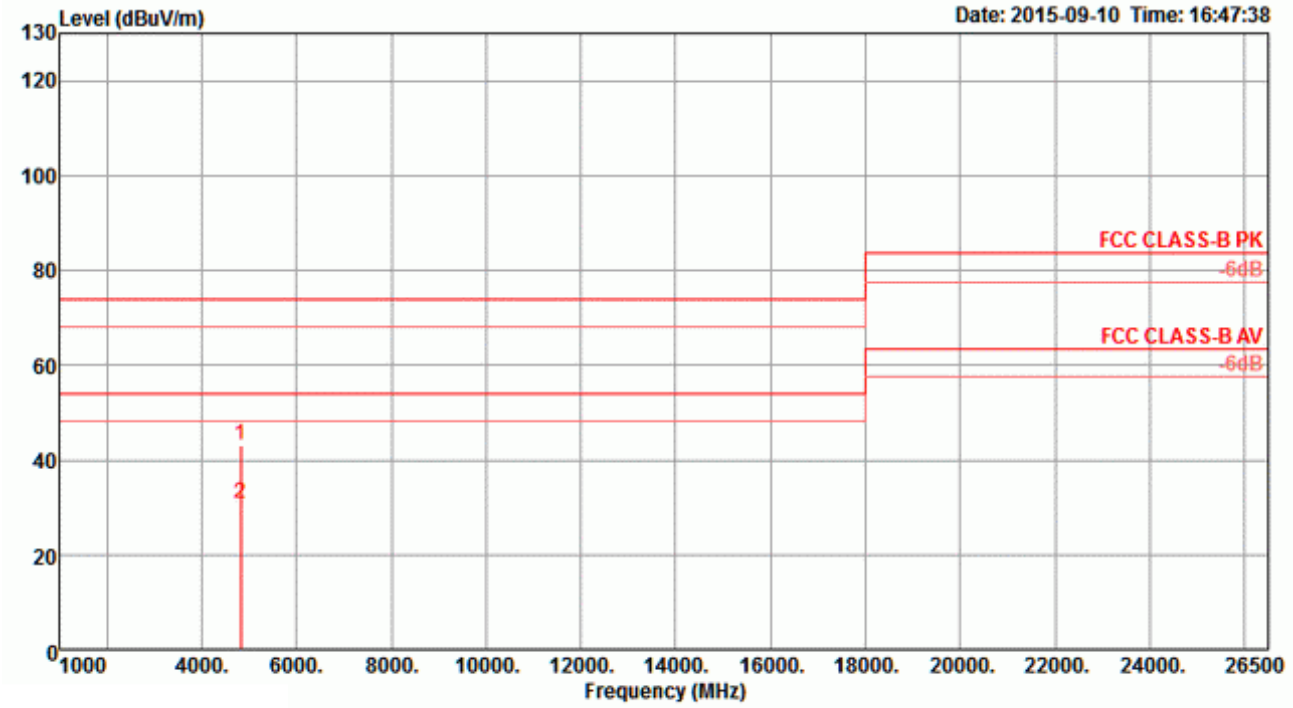
Temperature	26℃	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 1 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4820.88	44.75	74.00	-29.25	42.48	4.10	32.69	34.52	242	220	Peak	HORIZONTAL
2	4832.36	31.03	54.00	-22.97	28.76	4.10	32.69	34.52	242	220	Average	HORIZONTAL

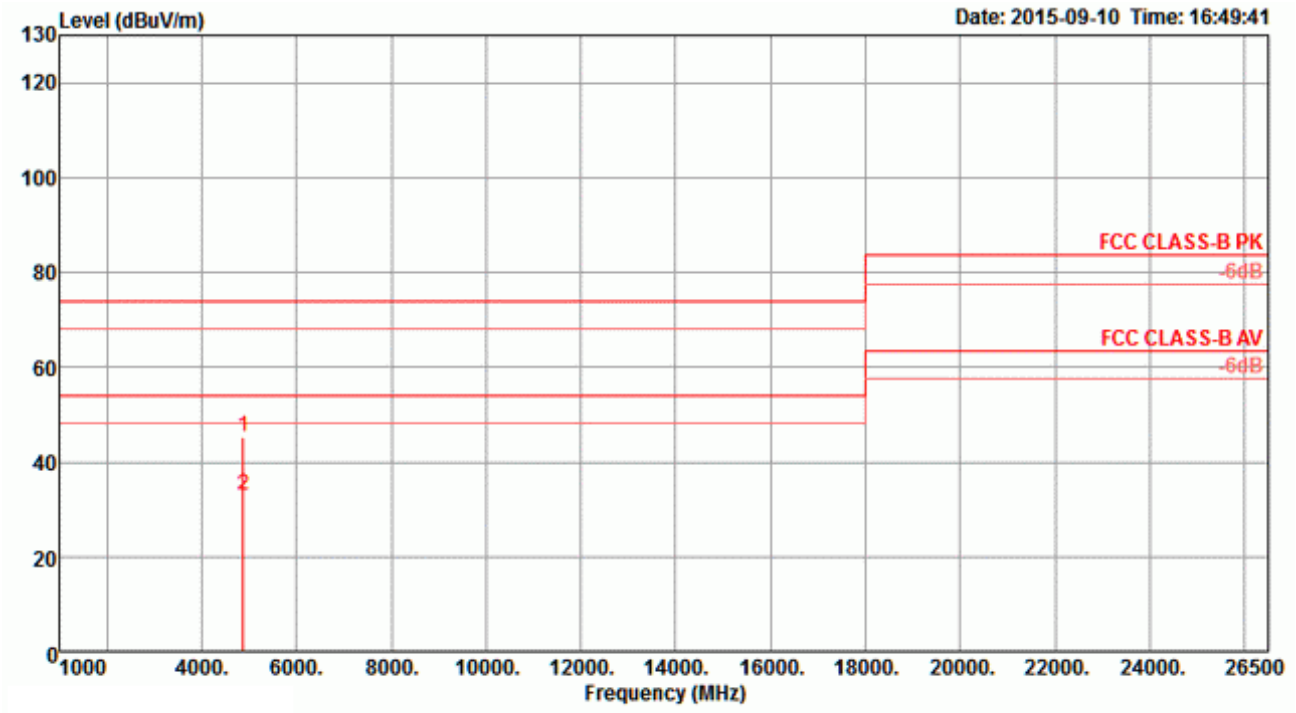
Vertical



	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	4816.96	43.27	74.00	-30.73	41.00	4.10	32.69	34.52	159	180	Peak	VERTICAL
2	4827.12	30.90	54.00	-23.10	28.63	4.10	32.69	34.52	159	180	Average	VERTICAL

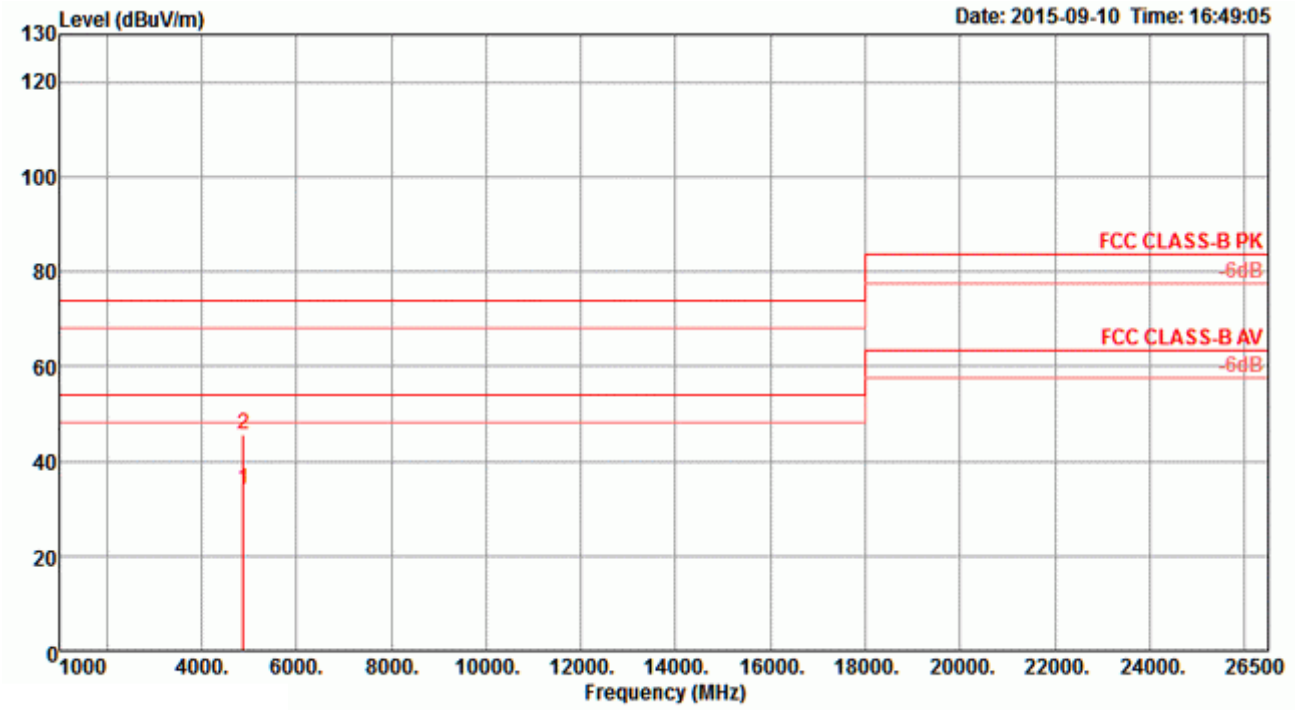
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4873.72	45.24	74.00	-28.76	42.84	4.13	32.78	34.51	44	176	Peak	HORIZONTAL
2	4873.96	32.94	54.00	-21.06	30.54	4.13	32.78	34.51	44	176	Average	HORIZONTAL

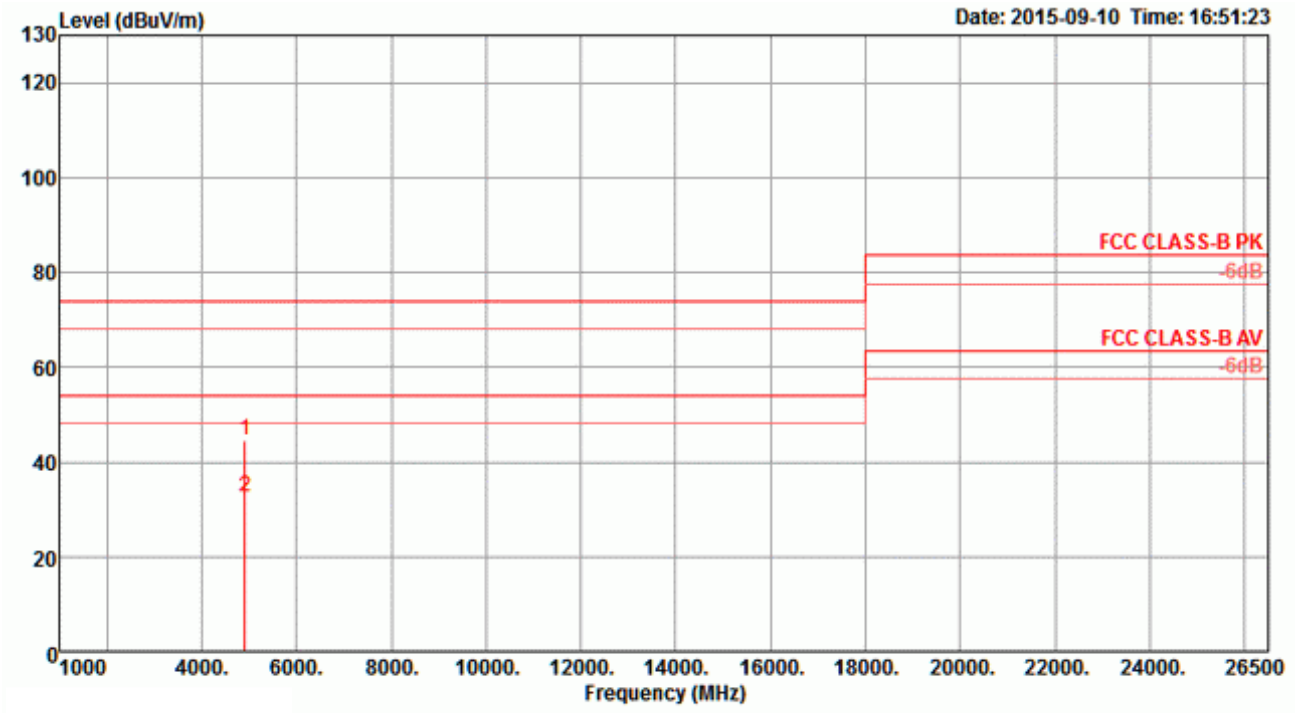
Vertical



	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	4874.00	33.90	54.00	-20.10	31.50	4.13	32.78	34.51	104	234	Average	VERTICAL
2	4881.52	45.59	74.00	-28.41	43.19	4.13	32.78	34.51	104	234	Peak	VERTICAL

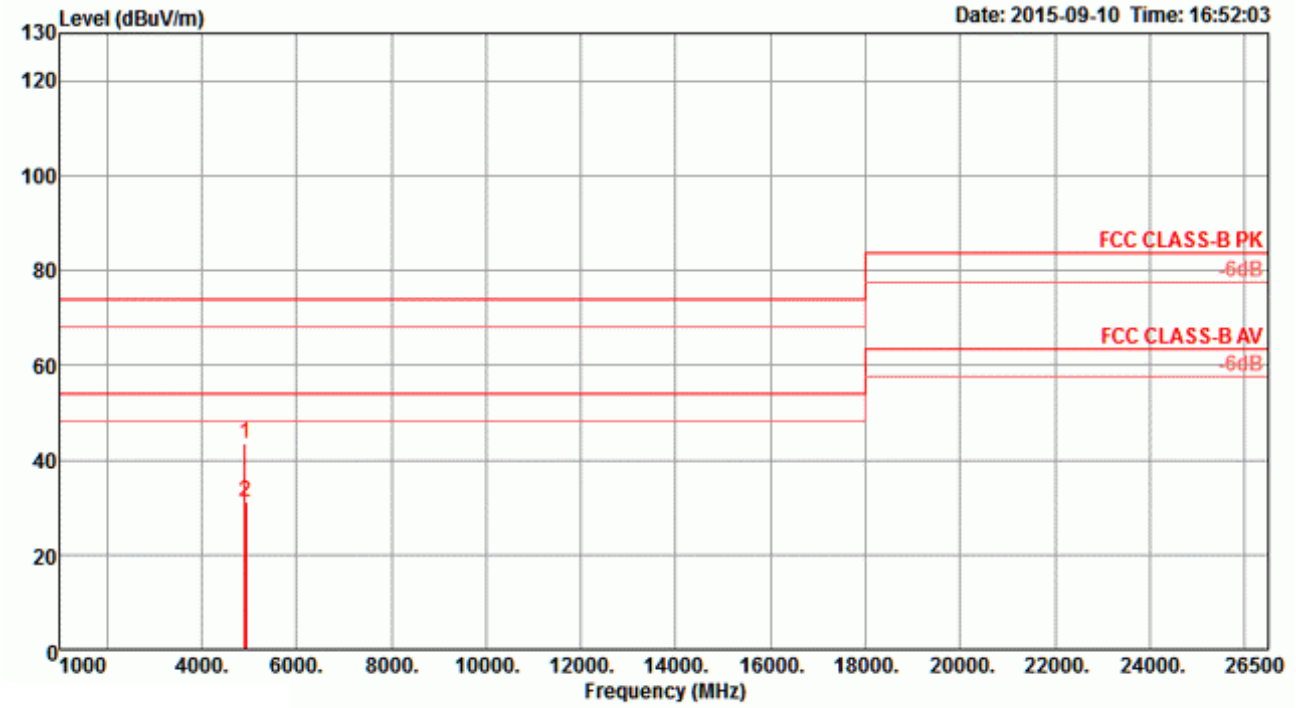
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT20 CH 11 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4918.92	44.61	74.00	-29.39	42.07	4.15	32.88	34.49	82	144	Peak	HORIZONTAL
2	4924.00	32.56	54.00	-21.44	30.02	4.15	32.88	34.49	82	144	Average	HORIZONTAL

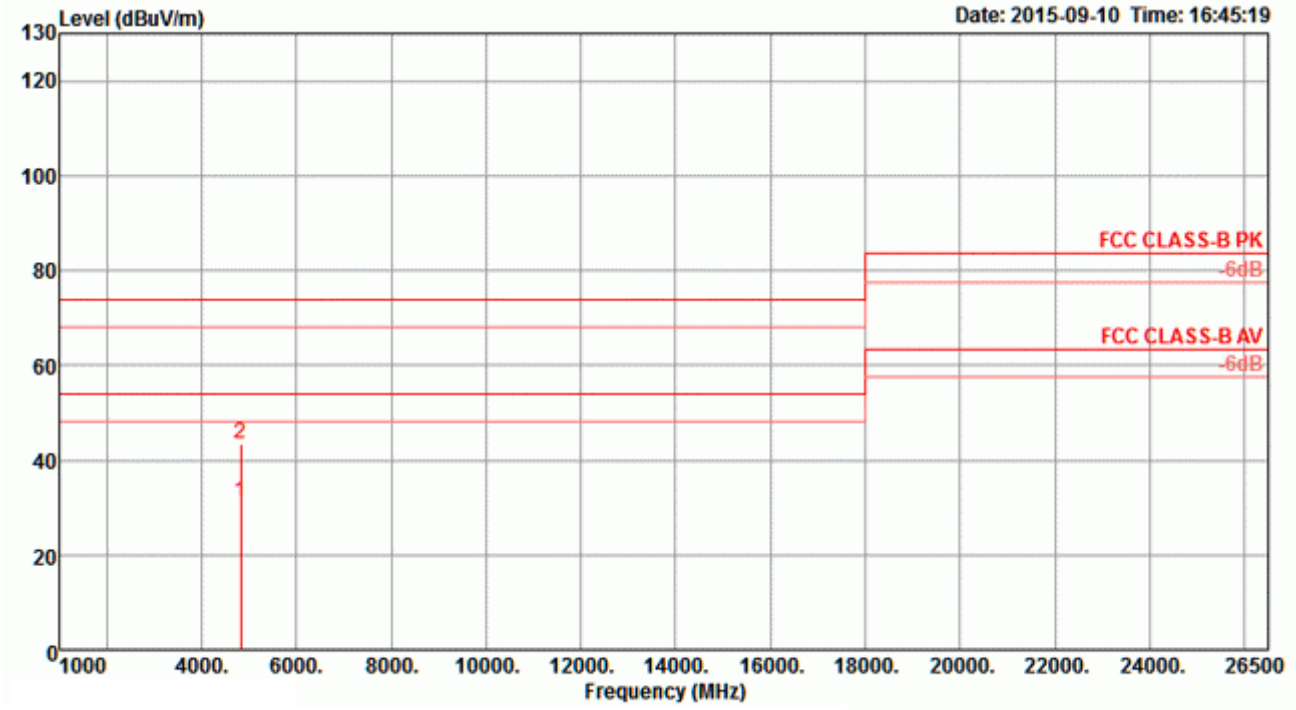
Vertical



	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	4920.28	43.45	74.00	-30.55	40.91	4.15	32.88	34.49	179	197	Peak	VERTICAL
2	4929.72	30.98	54.00	-23.02	28.44	4.15	32.88	34.49	179	197	Average	VERTICAL

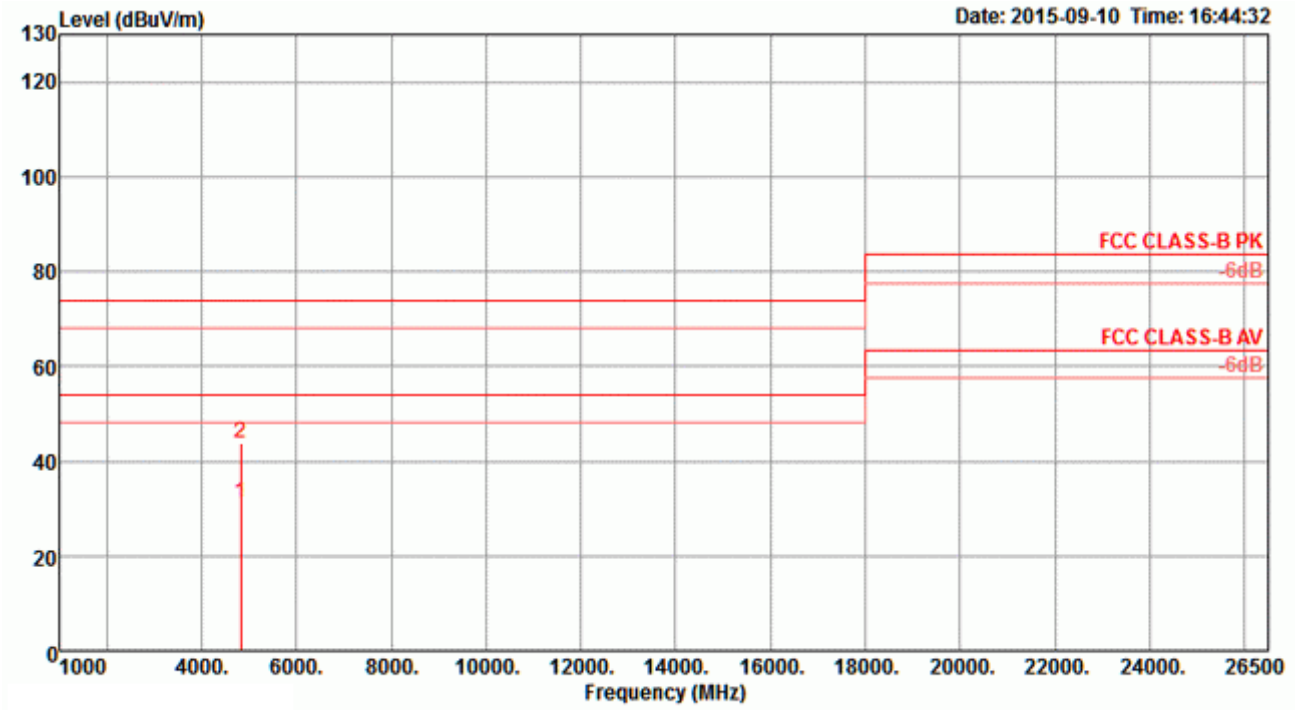
Temperature	26℃	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 3 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4820.76	31.06	54.00	-22.94	28.79	4.10	32.69	34.52	191	166	Average	HORIZONTAL
2	4830.16	43.48	74.00	-30.52	41.21	4.10	32.69	34.52	191	166	Peak	HORIZONTAL

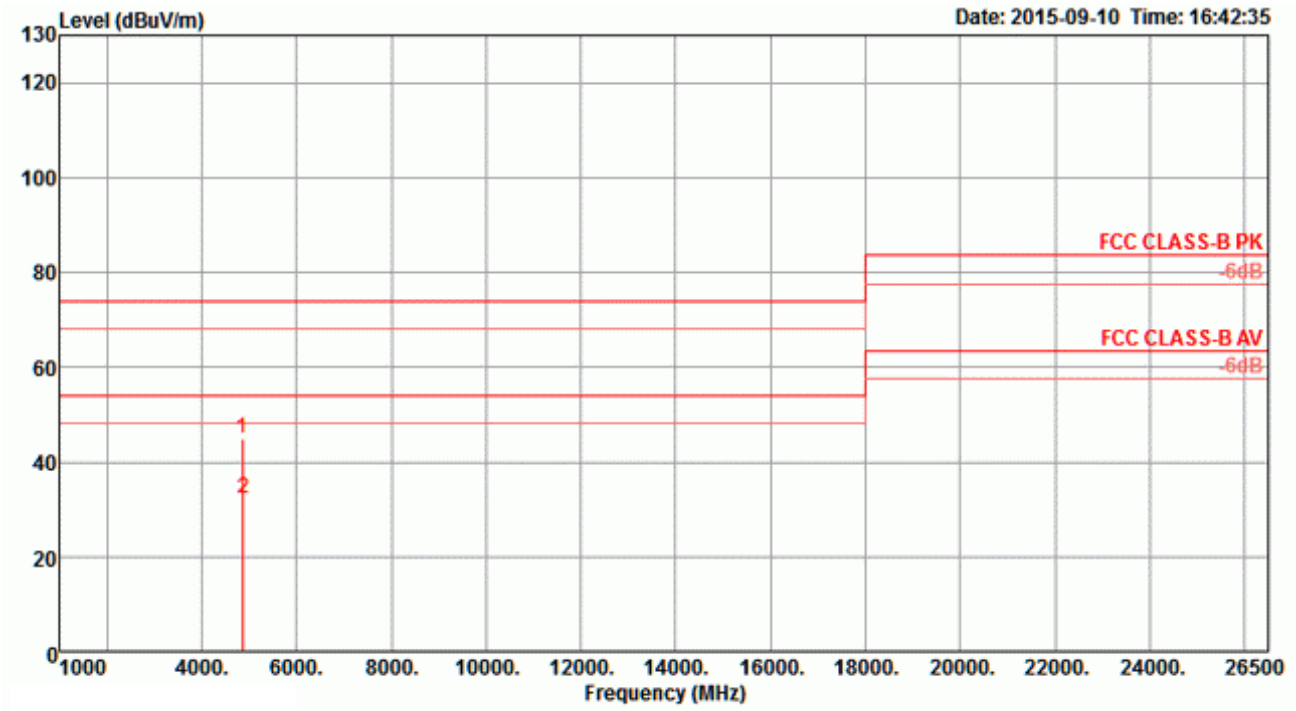
Vertical



	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	4818.00	31.03	54.00	-22.97	28.76	4.10	32.69	34.52	273	124	Average	VERTICAL
2	4833.40	43.86	74.00	-30.14	41.59	4.10	32.69	34.52	273	124	Peak	VERTICAL

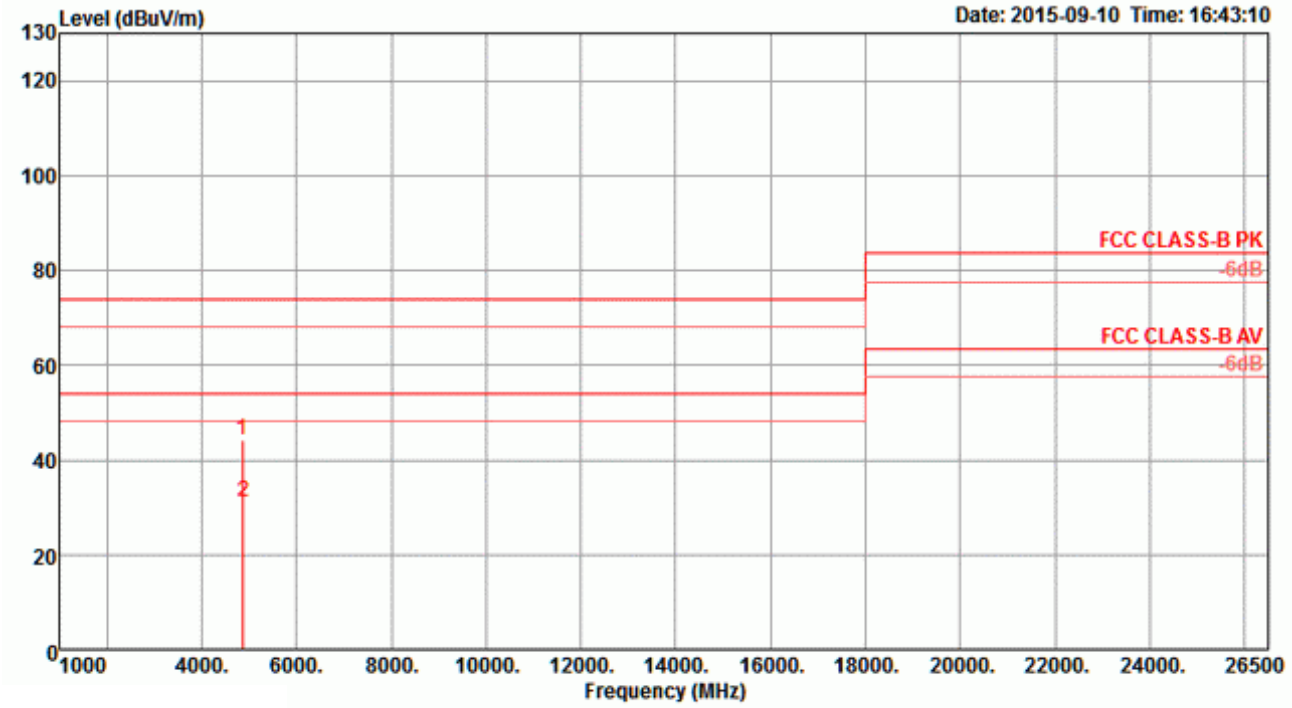
Temperature	26℃	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802. 11ac MCS0/Nss1 VHT40 CH 6 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4865.48	44.97	74.00	-29.03	42.61	4.12	32.75	34.51	176	196	Peak	HORIZONTAL
2	4873.44	32.09	54.00	-21.91	29.69	4.13	32.78	34.51	176	196	Average	HORIZONTAL

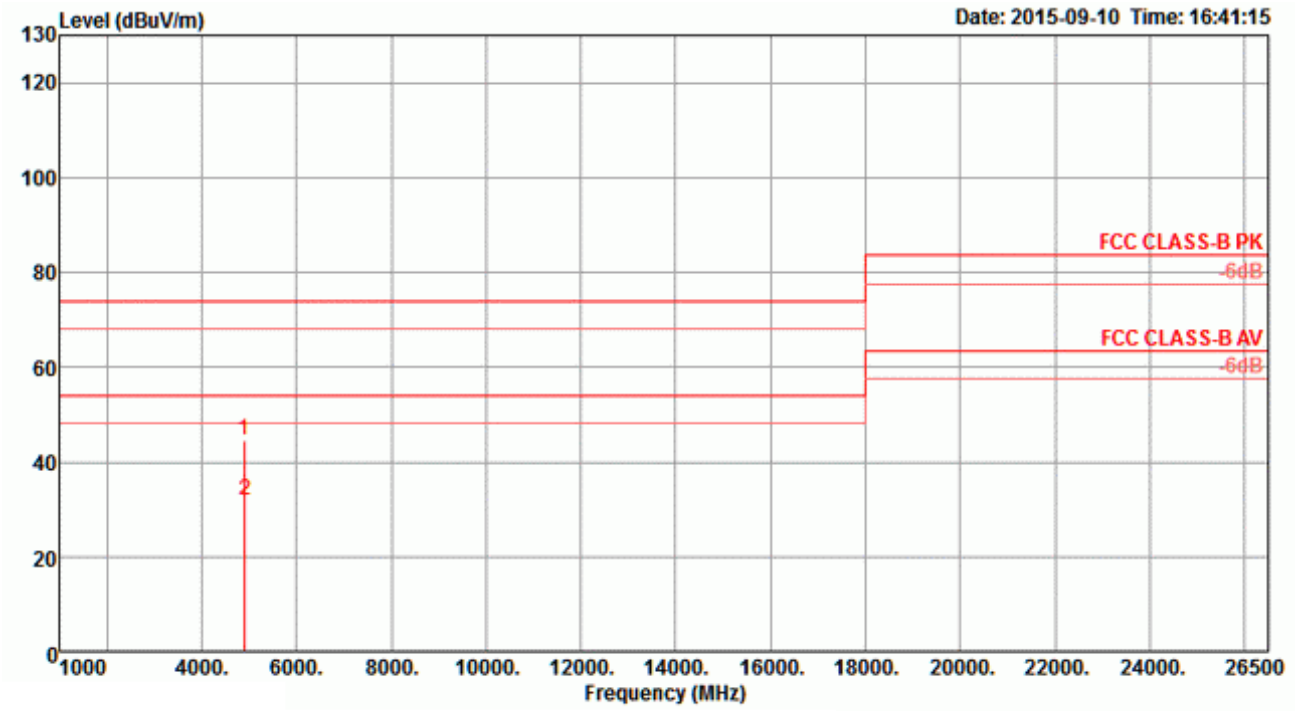
Vertical



	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	4867.80	44.29	74.00	-29.71	41.89	4.13	32.78	34.51	230	168	Peak	VERTICAL
2	4874.84	31.13	54.00	-22.87	28.73	4.13	32.78	34.51	230	168	Average	VERTICAL

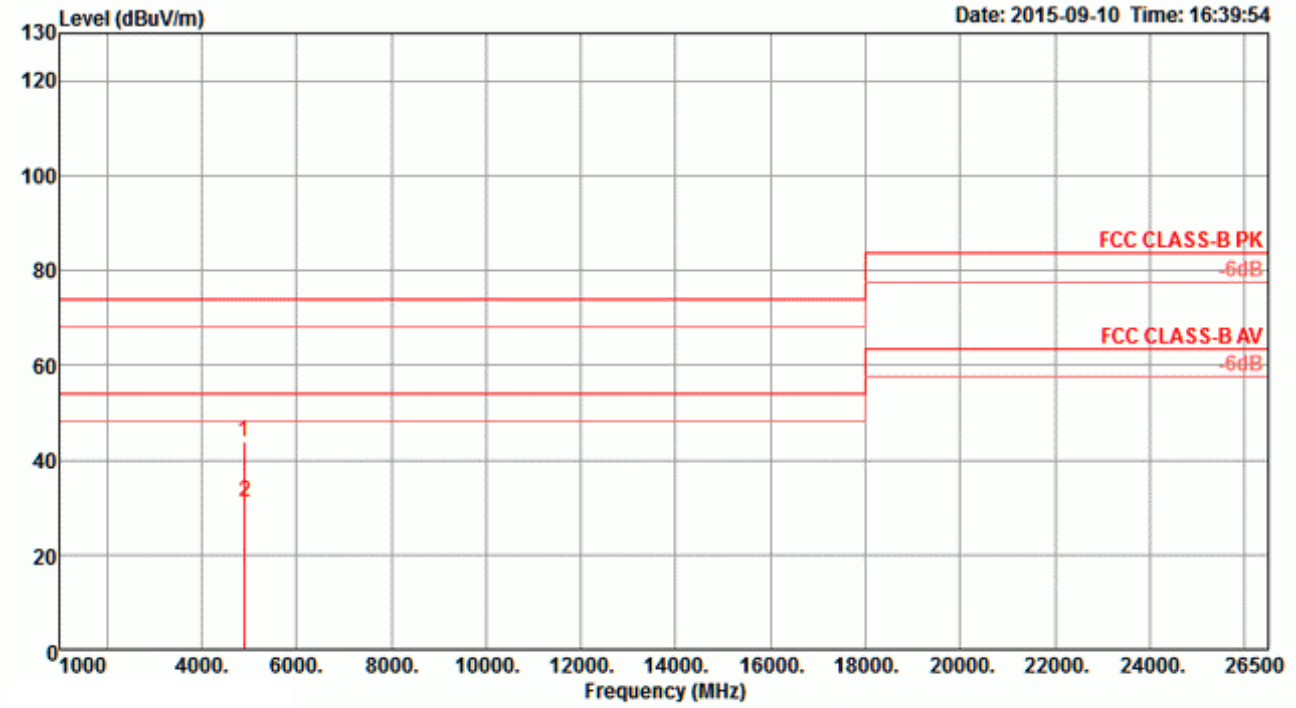
Temperature	26°C	Humidity	57%
Test Engineer	Roki Liu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 9 / Chain 1 + Chain 2 + Chain 3 + Chain 4

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	4895.16	44.58	74.00	-29.42	42.14	4.13	32.81	34.50	215	161	Peak	HORIZONTAL
2	4910.76	31.99	54.00	-22.01	29.51	4.14	32.84	34.50	215	161	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	4897.56	43.95	74.00	-30.05	41.51	4.13	32.81	34.50	278	134	Peak	VERTICAL
2	4906.88	31.03	54.00	-22.97	28.55	4.14	32.84	34.50	278	134	Average	VERTICAL