

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:

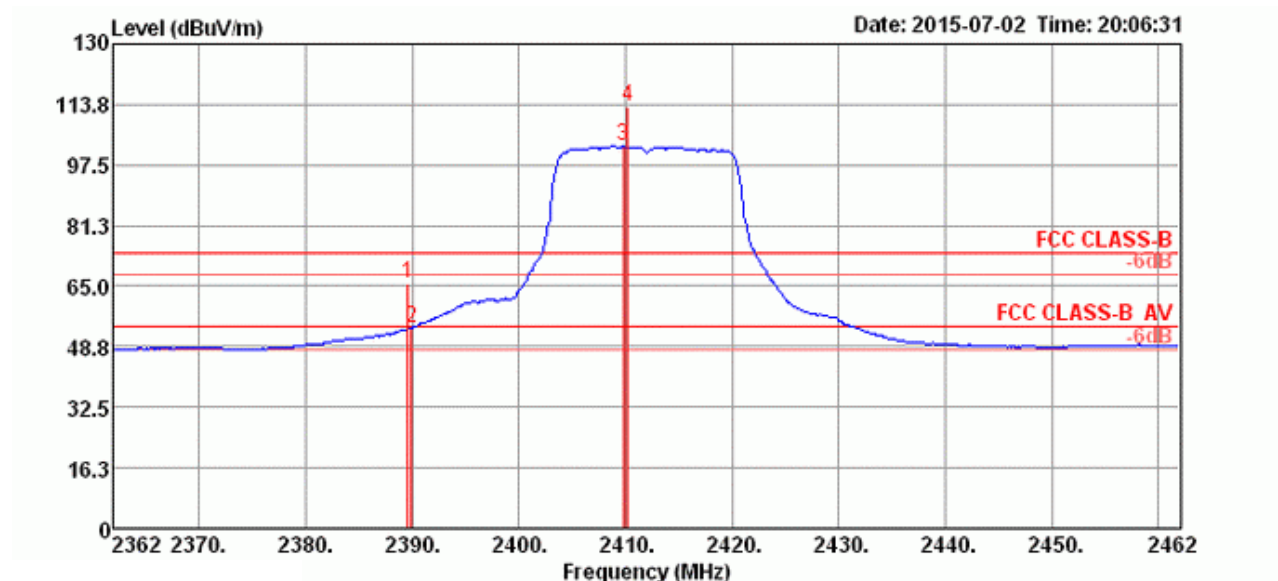
The EUT was programmed to be in beamforming transmitting mode.

4.6.7. Test Result of Band Edge and Fundamental Emissions

<For Radio 1 Non-beamforming Mode>: 1TX, 1S

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1

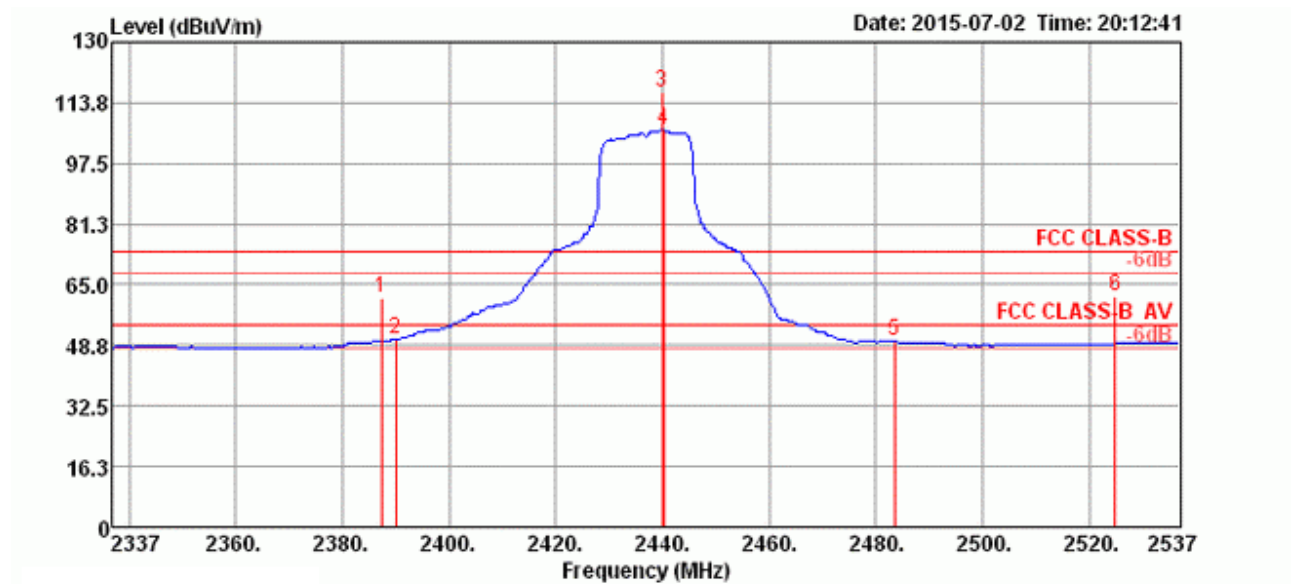
Channel 1



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	
1	2389.56	65.92	74.00	-8.08	33.24	4.37	28.31	0.00	Peak	236	302	HORIZONTAL
2	2389.89	53.93	54.00	-0.07	21.21	4.41	28.31	0.00	Average	236	302	HORIZONTAL
3	2409.76	102.43			69.68	4.41	28.34	0.00	Average	236	302	HORIZONTAL
4	2410.24	113.20			80.45	4.41	28.34	0.00	Peak	236	302	HORIZONTAL

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

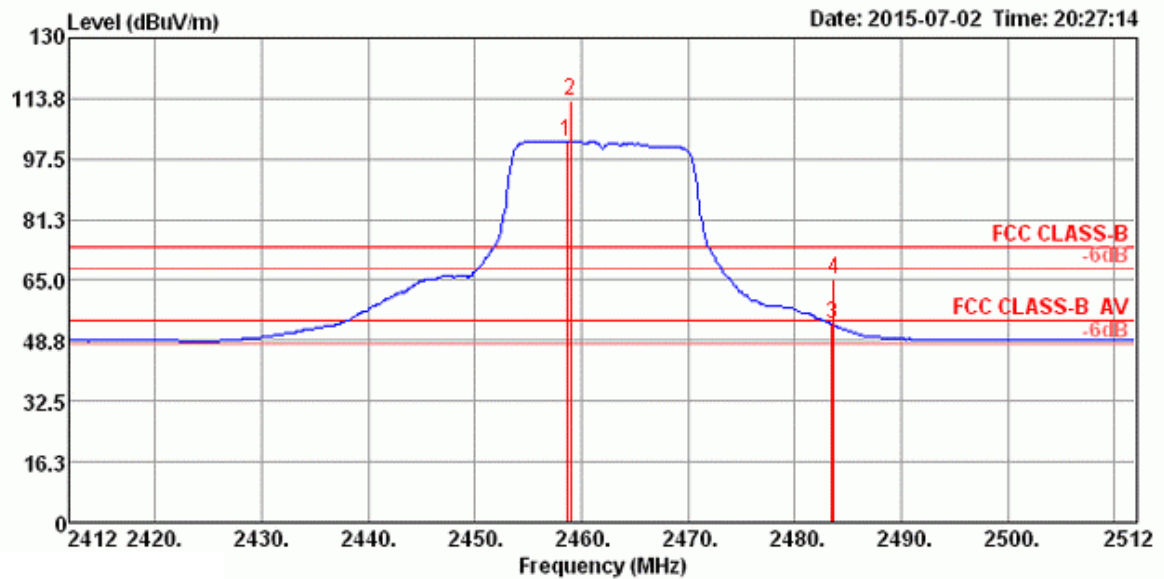
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	2387.32	61.45	74.00	-12.55	28.77	4.37	28.31	0.00	Peak	213	298 HORIZONTAL
2	2390.00	50.35	54.00	-3.65	17.63	4.41	28.31	0.00	Average	213	298 HORIZONTAL
3	2439.89	116.46			83.61	4.44	28.41	0.00	Peak	213	298 HORIZONTAL
4	2440.21	106.32			73.47	4.44	28.41	0.00	Average	213	298 HORIZONTAL
5	2483.50	49.65	54.00	-4.35	16.67	4.51	28.47	0.00	Average	213	298 HORIZONTAL
6	2524.82	61.65	74.00	-12.35	28.46	4.58	28.61	0.00	Peak	213	298 HORIZONTAL

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

Channel 11

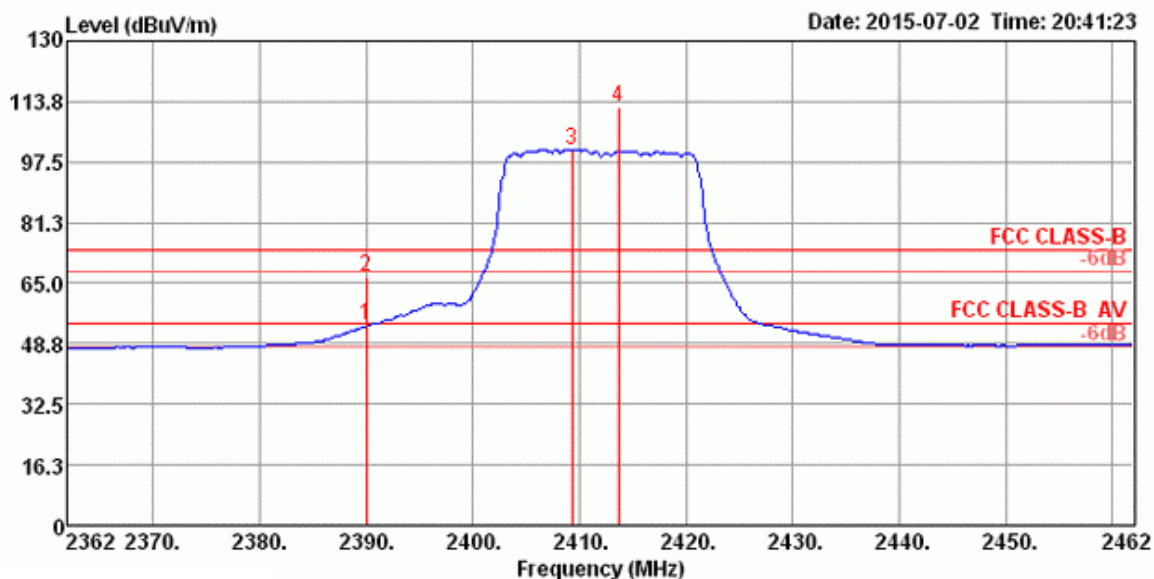


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	2458.64	102.34			69.42	4.48	28.44	0.00	Average	205	306 HORIZONTAL
2	2458.96	113.13			80.21	4.48	28.44	0.00	Peak	205	306 HORIZONTAL
3	2483.50	53.20	54.00	-0.80	20.22	4.51	28.47	0.00	Average	205	306 HORIZONTAL
4	2483.64	65.23	74.00	-8.77	32.25	4.51	28.47	0.00	Peak	205	306 HORIZONTAL

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1

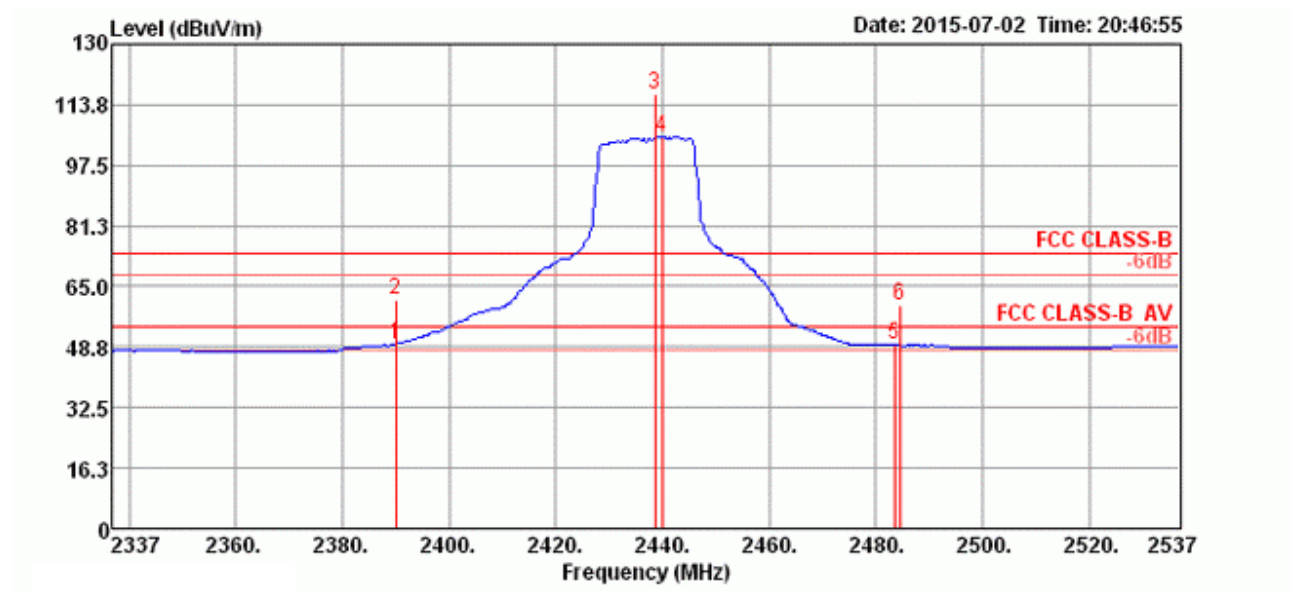
Channel 1



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	2390.00	53.63	54.00	-0.37	20.91	4.41	28.31	0.00	Average	234	303 HORIZONTAL
2	2390.00	66.61	74.00	-7.39	33.89	4.41	28.31	0.00	Peak	234	303 HORIZONTAL
3	2409.28	100.88			68.13	4.41	28.34	0.00	Average	234	303 HORIZONTAL
4	2413.60	112.06			79.31	4.41	28.34	0.00	Peak	234	303 HORIZONTAL

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

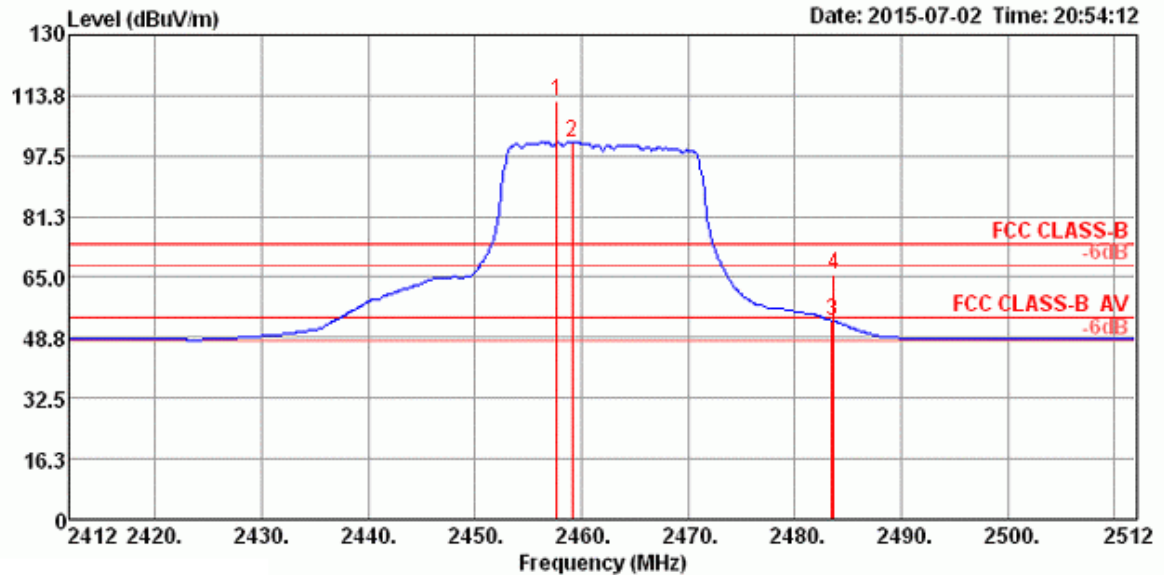
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	2390.00	49.57	54.00	-4.43	16.85	4.41	28.31	0.00	Average	207	302 HORIZONTAL
2	2390.00	61.52	74.00	-12.48	28.80	4.41	28.31	0.00	Peak	207	302 HORIZONTAL
3	2438.60	116.40			83.55	4.44	28.41	0.00	Peak	207	302 HORIZONTAL
4	2439.89	105.09			72.24	4.44	28.41	0.00	Average	207	302 HORIZONTAL
5	2483.50	49.28	54.00	-4.72	16.30	4.51	28.47	0.00	Average	207	302 HORIZONTAL
6	2484.46	60.12	74.00	-13.88	27.14	4.51	28.47	0.00	Peak	207	302 HORIZONTAL

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

Channel 11

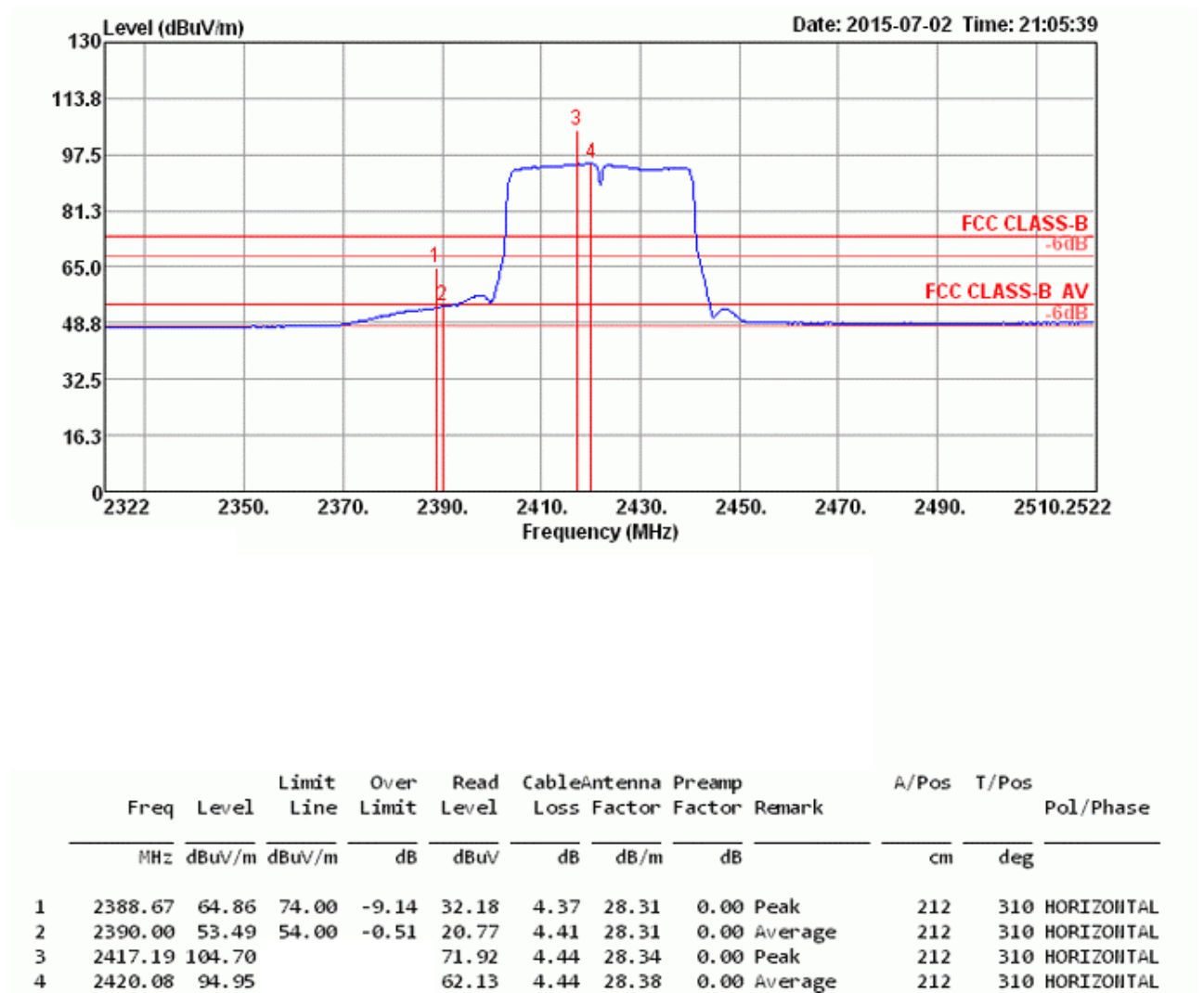


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2457.67	112.12			79.20	4.48	28.44	0.00	205	302	HORIZONTAL
2	2459.12	101.09			68.17	4.48	28.44	0.00	205	302	HORIZONTAL
3	2483.50	53.31	54.00	-0.69	20.33	4.51	28.47	0.00	205	302	HORIZONTAL
4	2483.64	65.73	74.00	-8.27	32.75	4.51	28.47	0.00	205	302	HORIZONTAL

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

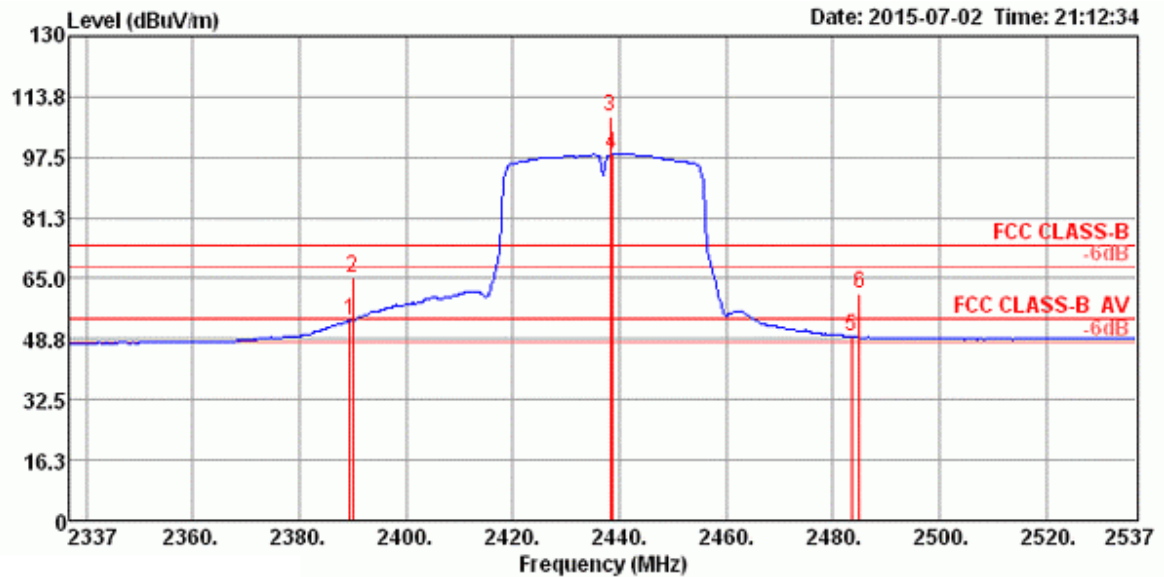
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1

Channel 3



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

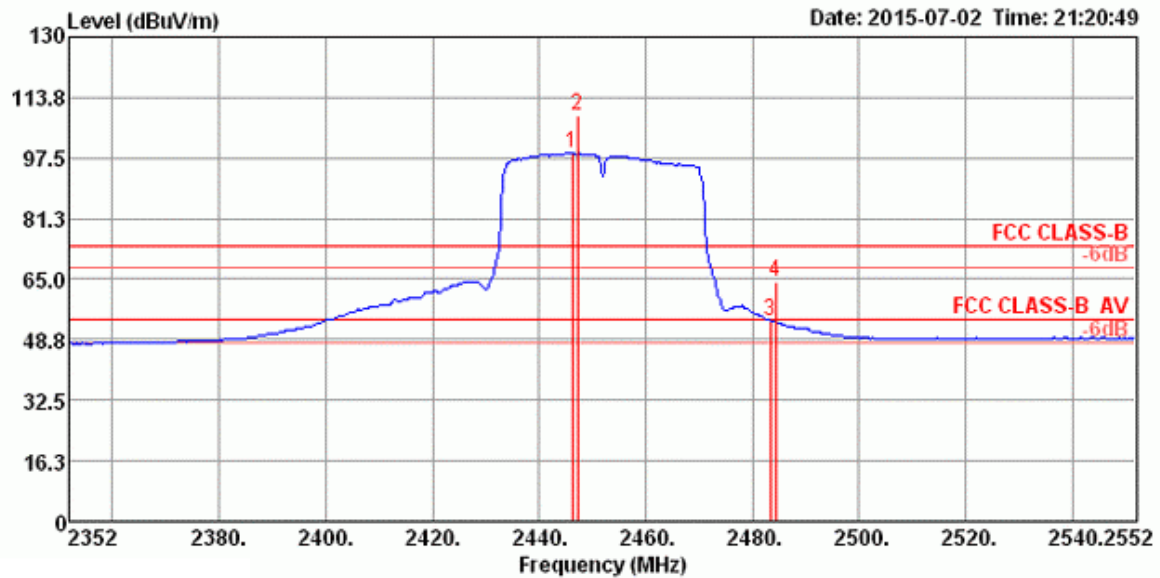
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2389.56	53.71	54.00	-0.29	21.03	4.37	28.31	0.00	187	309	HORIZONTAL
2	2390.00	65.10	74.00	-8.90	32.38	4.41	28.31	0.00	187	309	HORIZONTAL
3	2438.28	108.24			75.39	4.44	28.41	0.00	187	309	HORIZONTAL
4	2438.60	98.46			65.61	4.44	28.41	0.00	187	309	HORIZONTAL
5	2483.50	49.28	54.00	-4.72	16.30	4.51	28.47	0.00	187	309	HORIZONTAL
6	2485.08	60.88	74.00	-13.12	27.90	4.51	28.47	0.00	187	309	HORIZONTAL

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

Channel 9



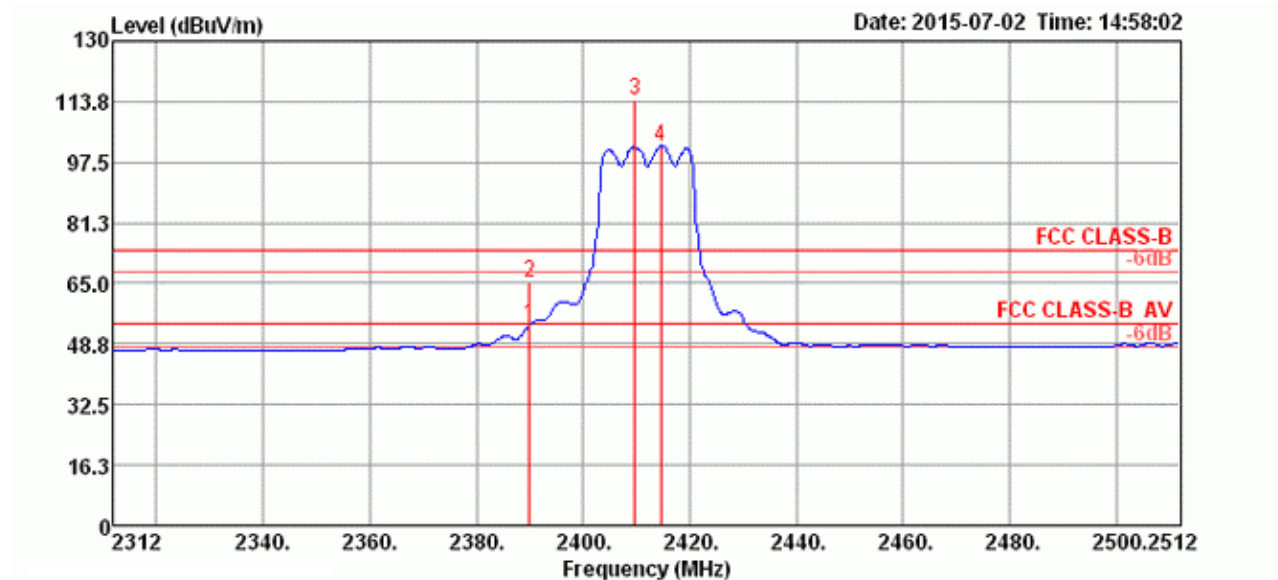
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	2446.23	98.71			65.82	4.48	28.41	0.00	Average	190	313 HORIZONTAL
2	2447.19	109.09			76.20	4.48	28.41	0.00	Peak	190	313 HORIZONTAL
3	2483.50	53.92	54.00	-0.08	20.94	4.51	28.47	0.00	Average	190	313 HORIZONTAL
4	2484.37	64.25	74.00	-9.75	31.27	4.51	28.47	0.00	Peak	190	313 HORIZONTAL

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

<For Radio 1 Non-beamforming Mode>: 2TX, 1S

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2

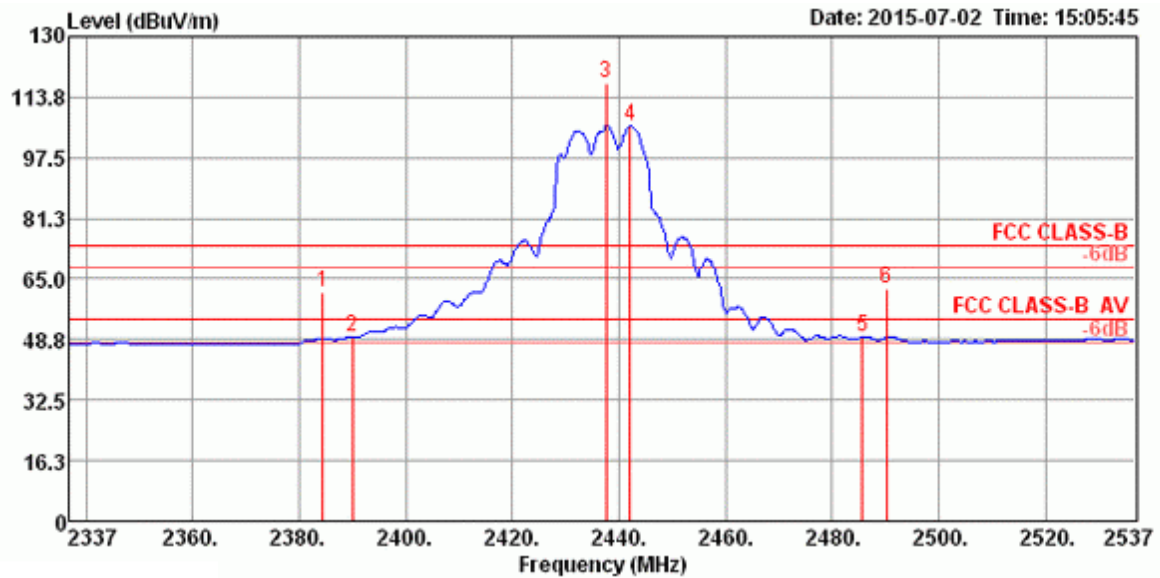
Channel 1



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	
1	2390.00	53.58	54.00	-0.42	20.86	4.41	28.31	0.00	Average	198	303	HORIZONTAL
2	2390.00	65.34	74.00	-8.66	32.62	4.41	28.31	0.00	Peak	198	303	HORIZONTAL
3	2409.76	113.94			81.19	4.41	28.34	0.00	Peak	198	303	HORIZONTAL
4	2414.56	101.89			69.14	4.41	28.34	0.00	Average	198	303	HORIZONTAL

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

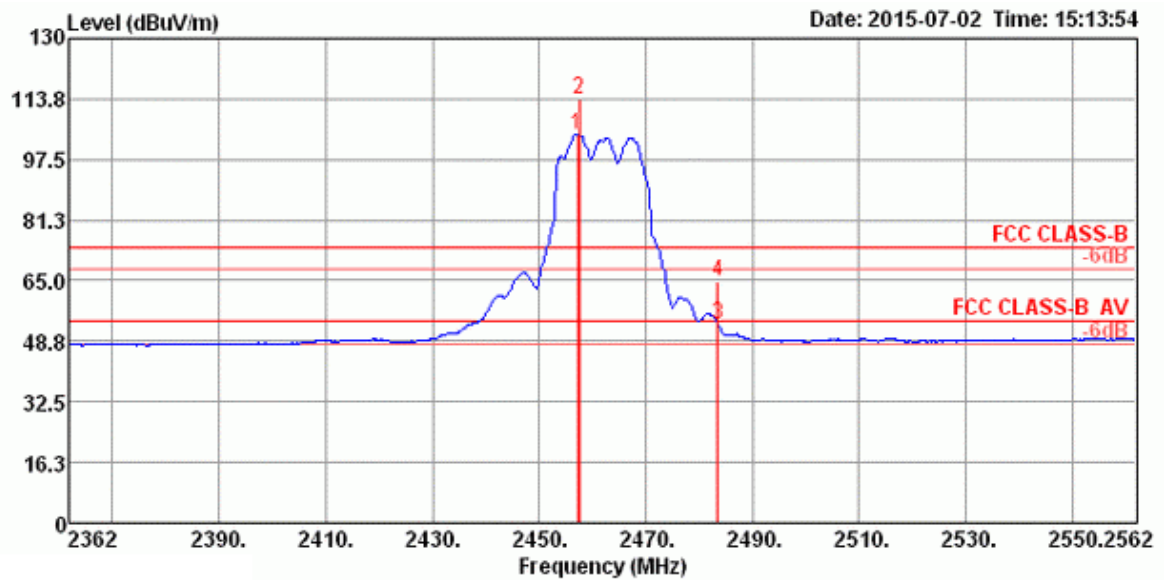
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	2384.44	61.55	74.00	-12.45	28.90	4.37	28.28	0.00	Peak	214	303
2	2390.00	49.44	54.00	-4.56	16.72	4.41	28.31	0.00	Average	214	303
3	2437.64	117.69			84.84	4.44	28.41	0.00	Peak	214	303
4	2442.13	106.02			73.13	4.48	28.41	0.00	Average	214	303
5	2485.72	49.57	54.00	-4.43	16.59	4.51	28.47	0.00	Average	214	303
6	2490.21	62.25	74.00	-11.75	29.24	4.51	28.50	0.00	Peak	214	303

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

Channel 11

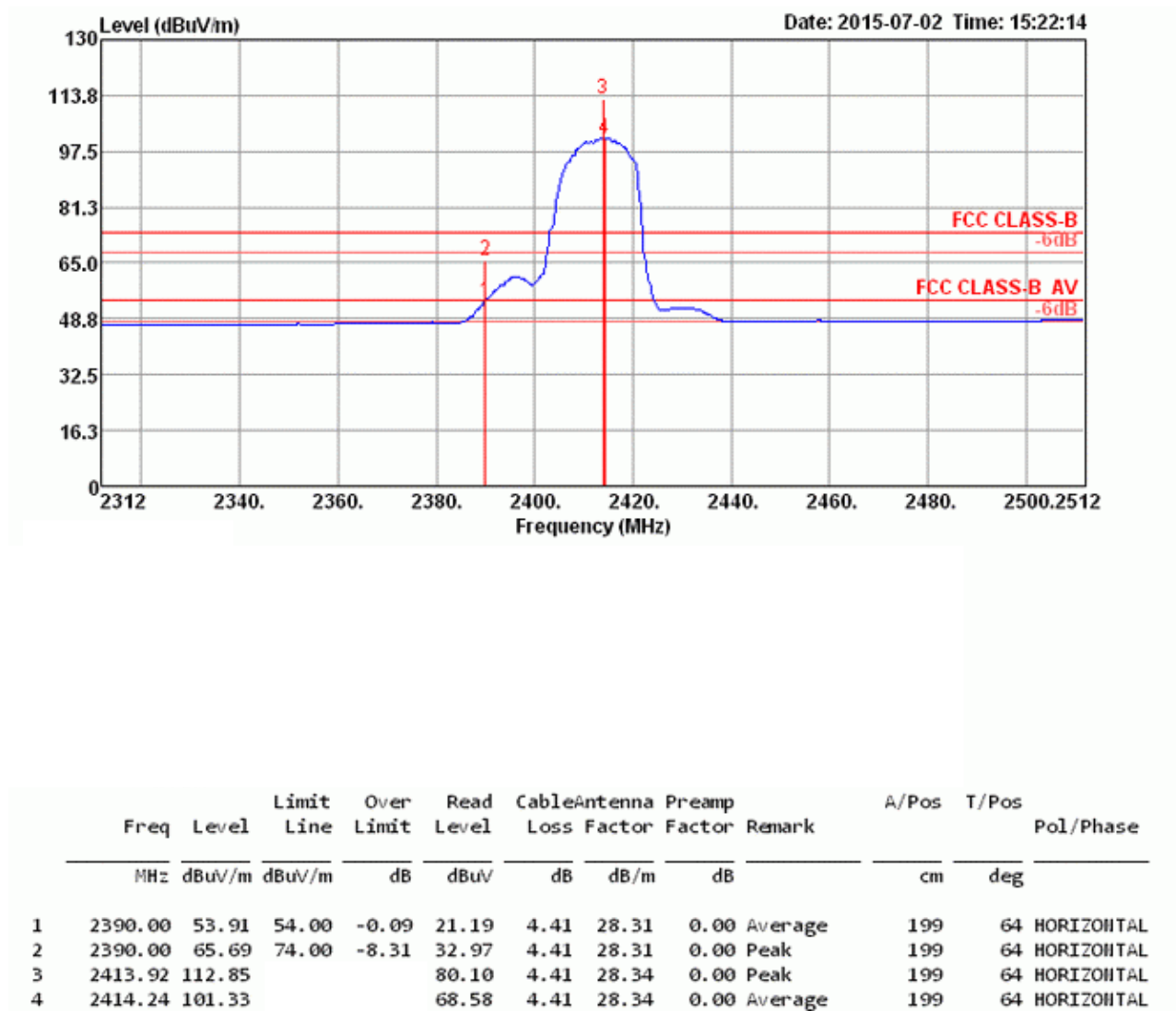


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	2457.19	104.08			71.16	4.48	28.44	0.00	Average	210	304
2	2457.51	113.49			80.57	4.48	28.44	0.00	Peak	210	304
3	2483.50	53.21	54.00	-0.79	20.23	4.51	28.47	0.00	Average	210	304
4	2483.50	64.85	74.00	-9.15	31.87	4.51	28.47	0.00	Peak	210	304

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

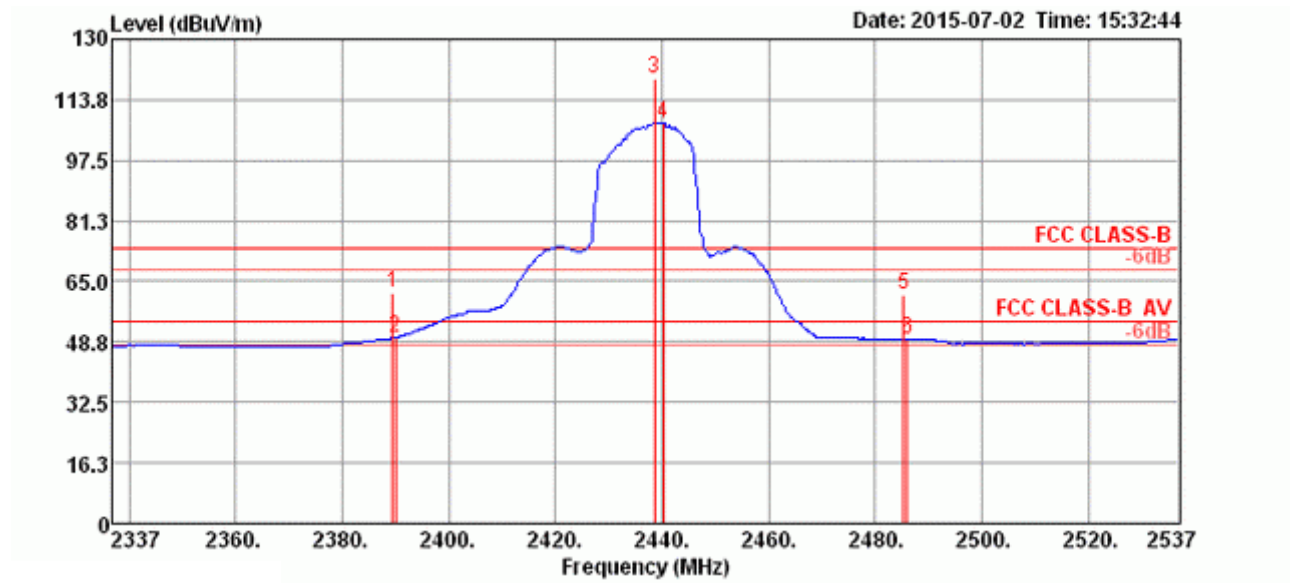
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2

Channel 1



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

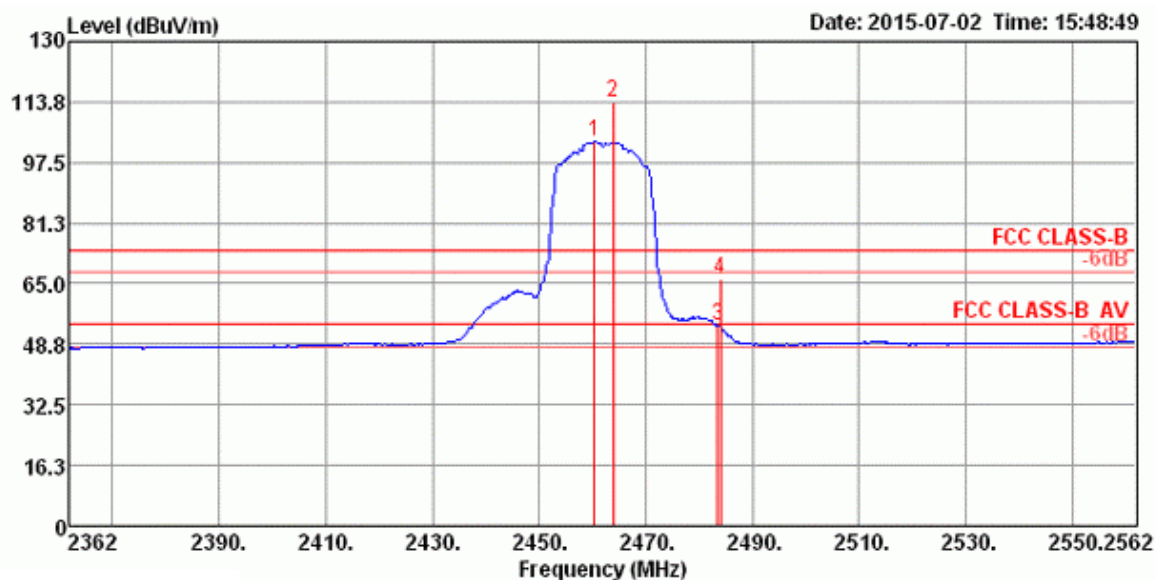
Channel 6



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	
1	2389.56	62.05	74.00	-11.95	29.37	4.37	28.31	0.00	Peak	216	305	HORIZONTAL
2	2390.00	49.91	54.00	-4.09	17.19	4.41	28.31	0.00	Average	216	305	HORIZONTAL
3	2438.60	119.53			86.68	4.44	28.41	0.00	Peak	216	305	HORIZONTAL
4	2440.21	107.60			74.75	4.44	28.41	0.00	Average	216	305	HORIZONTAL
5	2485.40	61.38	74.00	-12.62	28.40	4.51	28.47	0.00	Peak	216	305	HORIZONTAL
6	2486.04	49.51	54.00	-4.49	16.53	4.51	28.47	0.00	Average	216	305	HORIZONTAL

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

Channel 11

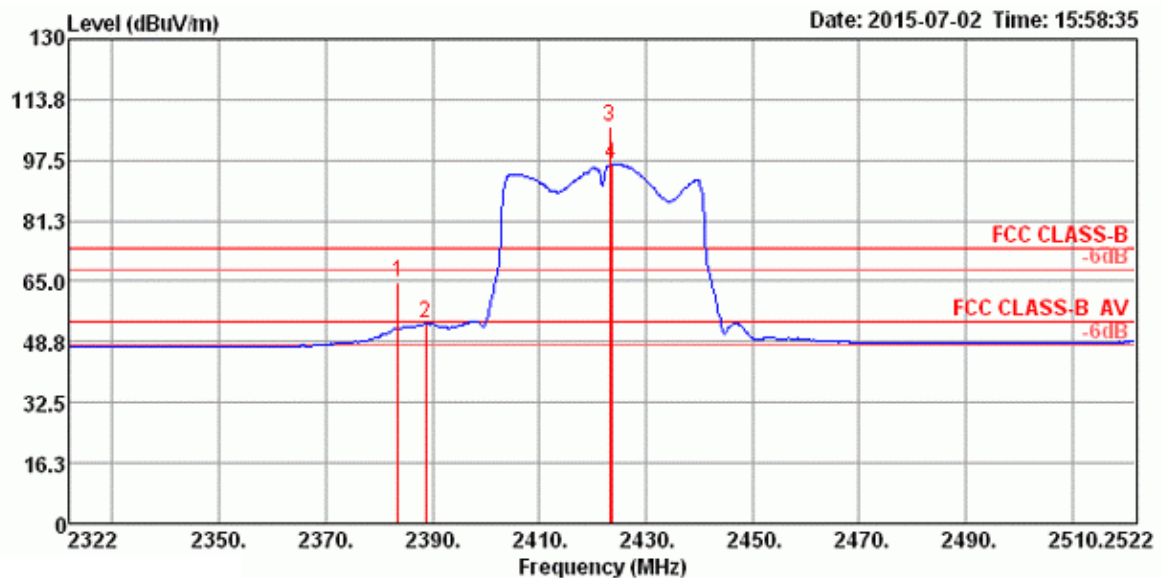


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	2460.40	102.97			70.05	4.48	28.44	0.00	Average	206	310 HORIZONTAL
2	2463.92	113.89			80.97	4.48	28.44	0.00	Peak	206	310 HORIZONTAL
3	2483.50	53.58	54.00	-0.42	20.60	4.51	28.47	0.00	Average	206	310 HORIZONTAL
4	2484.12	66.04	74.00	-7.96	33.06	4.51	28.47	0.00	Peak	206	310 HORIZONTAL

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2

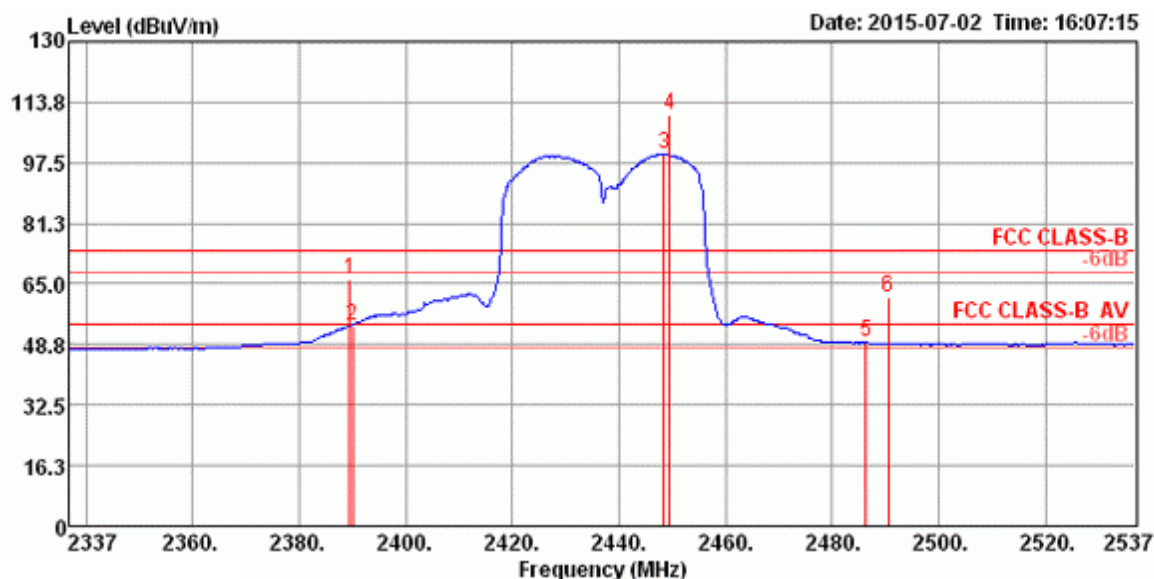
Channel 3



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	2383.54	64.78	74.00	-9.22	32.13	4.37	28.28	0.00	Peak	199	306	HORIZONTAL
2	2388.67	53.64	54.00	-0.36	20.96	4.37	28.31	0.00	Average	199	306	HORIZONTAL
3	2423.28	106.56			73.74	4.44	28.38	0.00	Peak	199	306	HORIZONTAL
4	2423.60	96.56			63.74	4.44	28.38	0.00	Average	199	306	HORIZONTAL

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

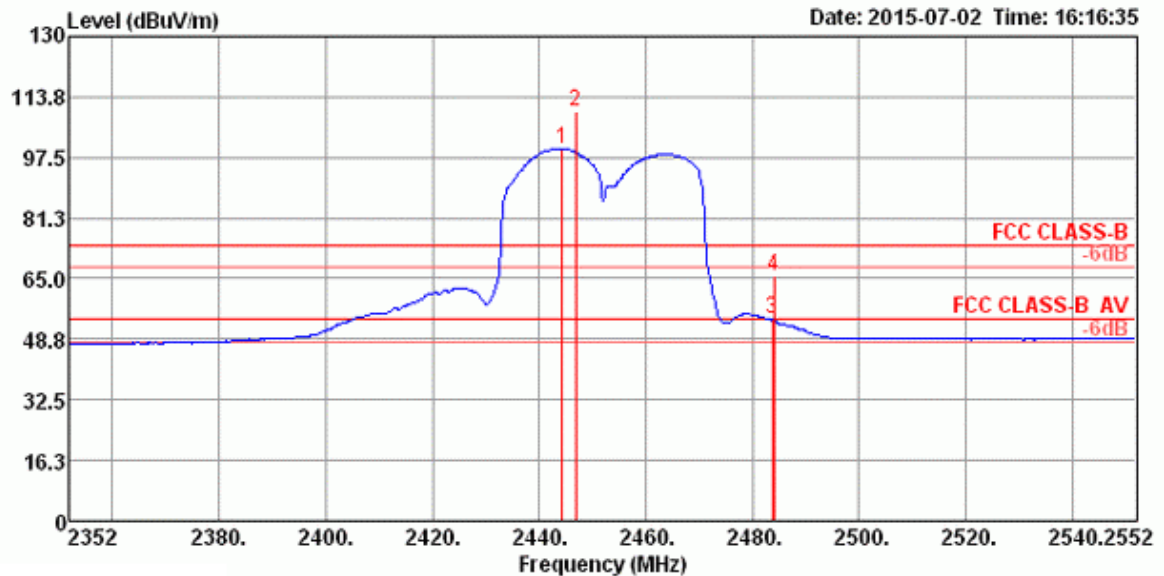
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2389.56	66.36	74.00	-7.64	33.68	4.37	28.31	0.00	217	308	HORIZONTAL
2	2390.00	53.90	54.00	-0.10	21.18	4.41	28.31	0.00	217	308	HORIZONTAL
3	2448.54	99.67			66.78	4.48	28.41	0.00	217	308	HORIZONTAL
4	2449.50	110.12			77.23	4.48	28.41	0.00	217	308	HORIZONTAL
5	2486.36	49.25	54.00	-4.75	16.27	4.51	28.47	0.00	217	308	HORIZONTAL
6	2490.53	61.40	74.00	-12.60	28.39	4.51	28.50	0.00	217	308	HORIZONTAL

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

Channel 9



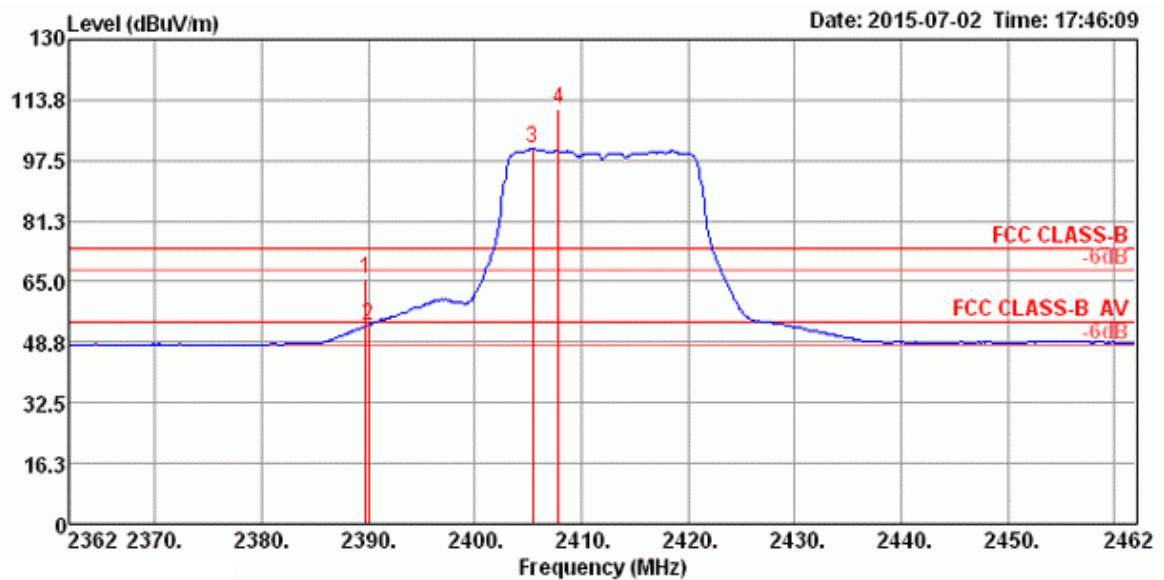
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2444.31	99.86			66.97	4.48	28.41	0.00	214	306	HORIZONTAL
2	2446.87	109.94			77.05	4.48	28.41	0.00	214	306	HORIZONTAL
3	2483.73	53.97	54.00	-0.03	20.99	4.51	28.47	0.00	214	306	HORIZONTAL
4	2484.05	65.68	74.00	-8.32	32.70	4.51	28.47	0.00	214	306	HORIZONTAL

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

<For Radio 1 Non-beamforming Mode>: 2TX, 2S

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2

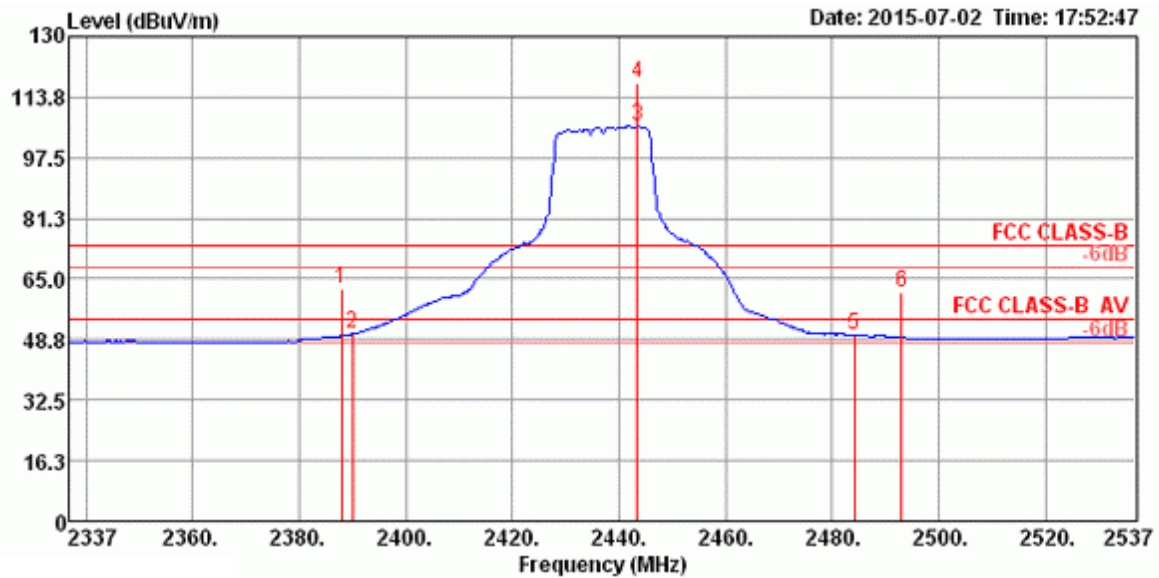
Channel 1



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg
1	2389.72	65.88	74.00	-8.12	33.20	4.37	28.31	0.00	Peak	194	304 HORIZONTAL
2	2390.00	53.34	54.00	-0.66	20.62	4.41	28.31	0.00	Average	194	304 HORIZONTAL
3	2405.43	100.82			68.07	4.41	28.34	0.00	Average	194	304 HORIZONTAL
4	2407.83	111.12			78.37	4.41	28.34	0.00	Peak	194	304 HORIZONTAL

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

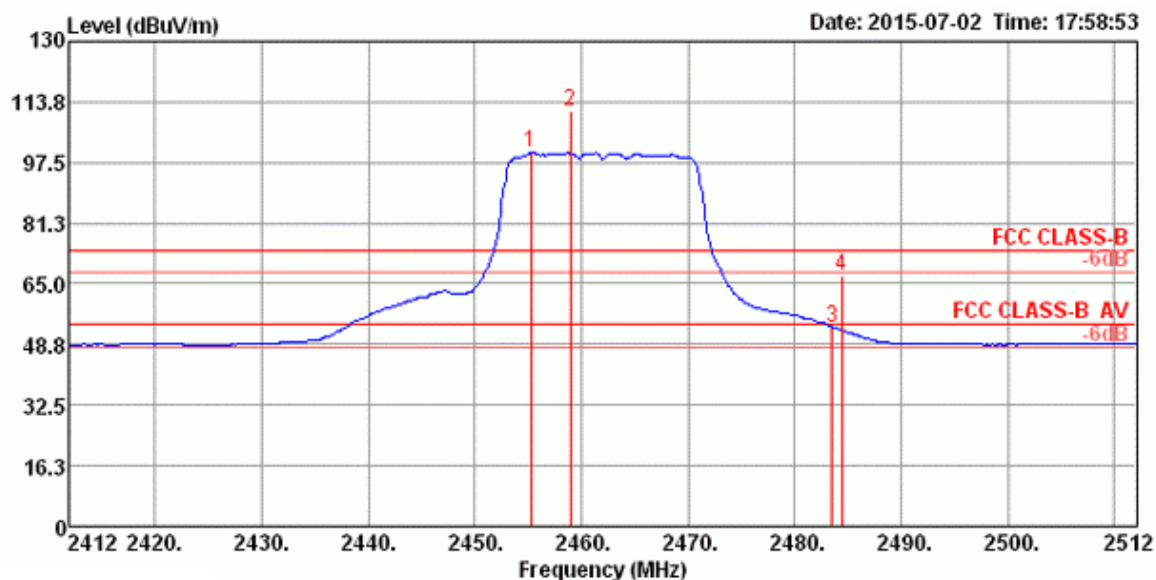
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	2387.96	62.14	74.00	-11.86	29.46	4.37	28.31	0.00	Peak	210	299 HORIZONTAL
2	2390.00	50.16	54.00	-3.84	17.44	4.41	28.31	0.00	Average	210	299 HORIZONTAL
3	2443.41	106.16			73.27	4.48	28.41	0.00	Average	210	299 HORIZONTAL
4	2443.41	117.53			84.64	4.48	28.41	0.00	Peak	210	299 HORIZONTAL
5	2484.12	49.92	54.00	-4.08	16.94	4.51	28.47	0.00	Average	210	299 HORIZONTAL
6	2493.09	61.34	74.00	-12.66	28.29	4.55	28.50	0.00	Peak	210	299 HORIZONTAL

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

Channel 11

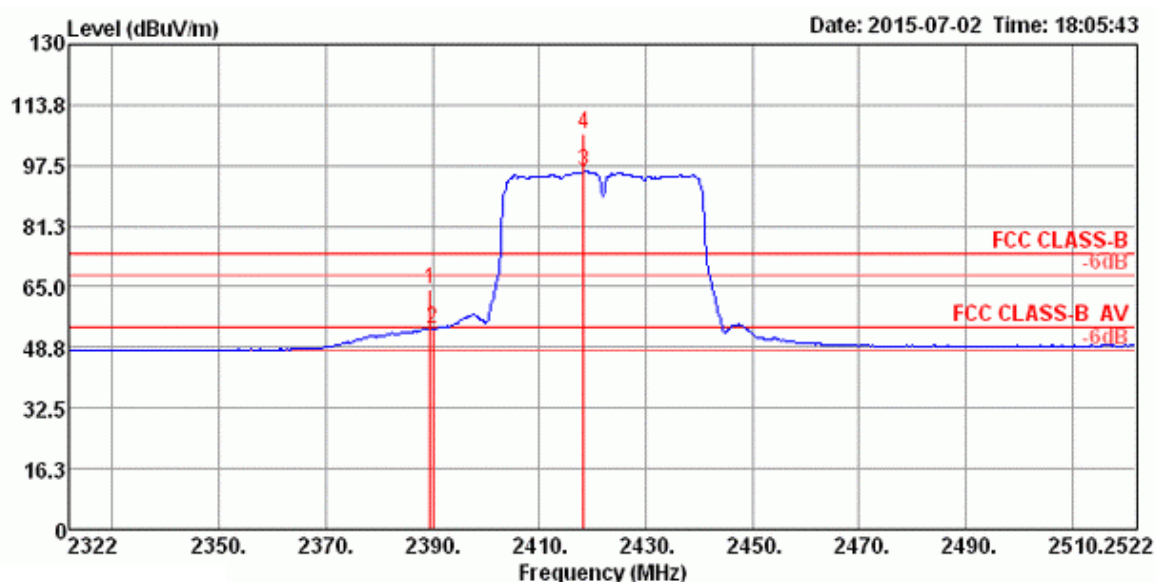


	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2455.27	100.22			67.30	4.48	28.44	0.00 Average	167	315	HORIZONTAL
2	2458.96	111.46			78.54	4.48	28.44	0.00 Peak	167	315	HORIZONTAL
3	2483.50	53.30	54.00	-0.70	20.32	4.51	28.47	0.00 Average	167	315	HORIZONTAL
4	2484.44	67.12	74.00	-6.88	34.14	4.51	28.47	0.00 Peak	167	315	HORIZONTAL

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2

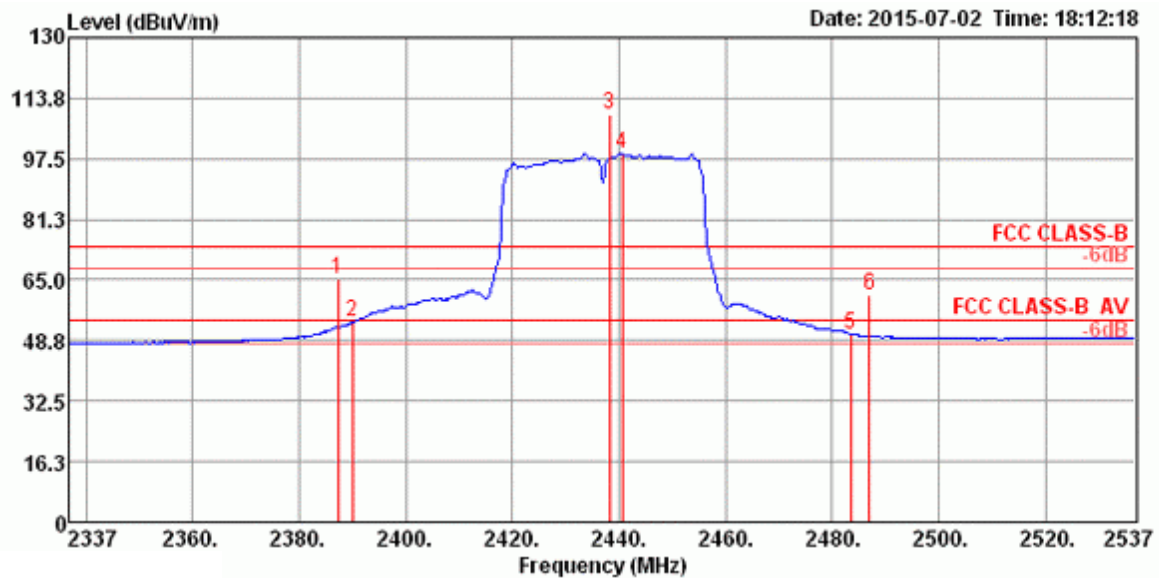
Channel 3



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	
1	2389.63	64.45	74.00	-9.55	31.77	4.37	28.31	0.00	Peak	212	311	HORIZONTAL
2	2390.00	53.57	54.00	-0.43	20.85	4.41	28.31	0.00	Average	212	311	HORIZONTAL
3	2418.47	95.95	54.00			4.44	28.34	0.00	Average	212	311	HORIZONTAL
4	2418.47	106.08	74.00			4.44	28.34	0.00	Peak	212	311	HORIZONTAL

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

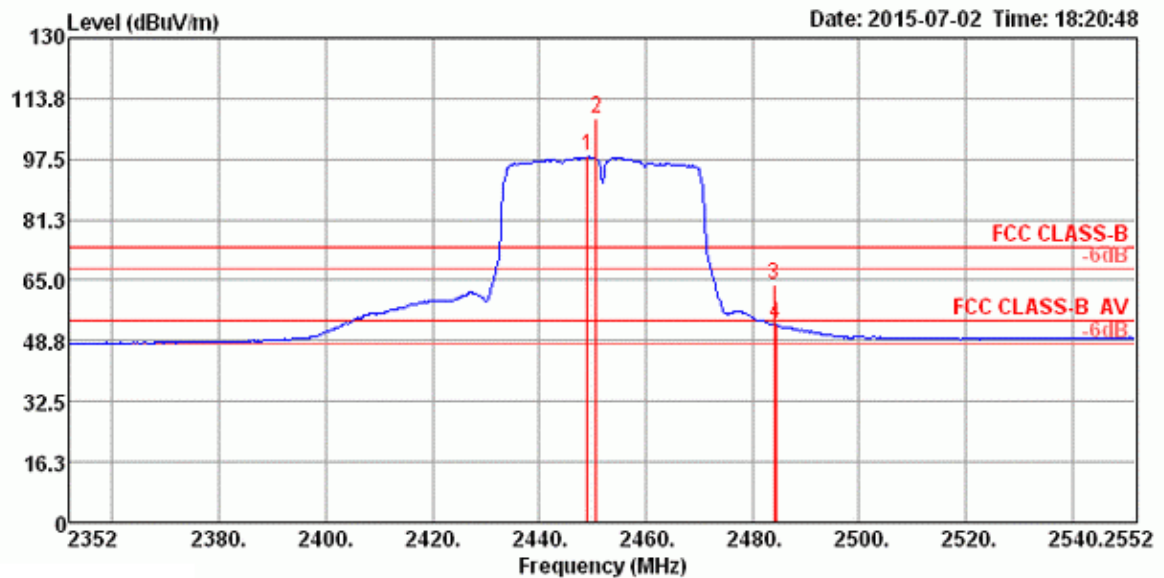
Channel 6



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2387.32	65.13	74.00	-8.87	32.45	4.37	28.31	0.00 Peak	207	303	HORIZONTAL
2	2390.00	53.72	54.00	-0.28	21.00	4.41	28.31	0.00 Average	207	303	HORIZONTAL
3	2438.28	109.19			76.34	4.44	28.41	0.00 Peak	207	303	HORIZONTAL
4	2440.53	99.00			66.15	4.44	28.41	0.00 Average	207	303	HORIZONTAL
5	2483.50	50.45	54.00	-3.55	17.47	4.51	28.47	0.00 Average	207	303	HORIZONTAL
6	2487.00	61.11	74.00	-12.89	28.13	4.51	28.47	0.00 Peak	207	303	HORIZONTAL

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

Channel 9



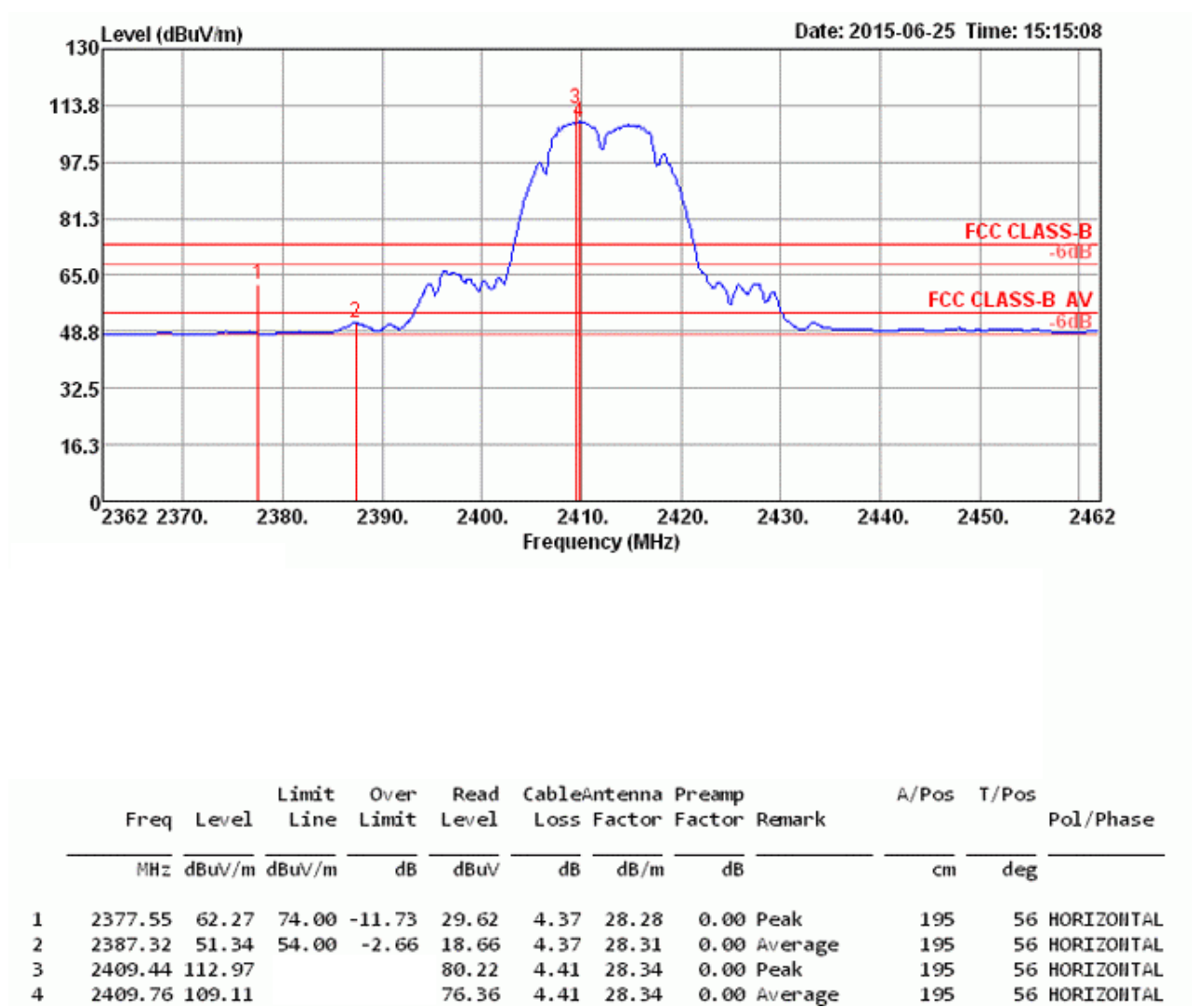
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2449.12	98.12			65.23	4.48	28.41	0.00	211	306	HORIZONTAL
2	2450.72	108.25			75.36	4.48	28.41	0.00	211	306	HORIZONTAL
3	2484.05	64.02	74.00	-9.98	31.04	4.51	28.47	0.00	211	306	HORIZONTAL
4	2484.37	53.25	54.00	-0.75	20.27	4.51	28.47	0.00	211	306	HORIZONTAL

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

<For Radio 1 Non-beamforming Mode>: 3TX, 1S

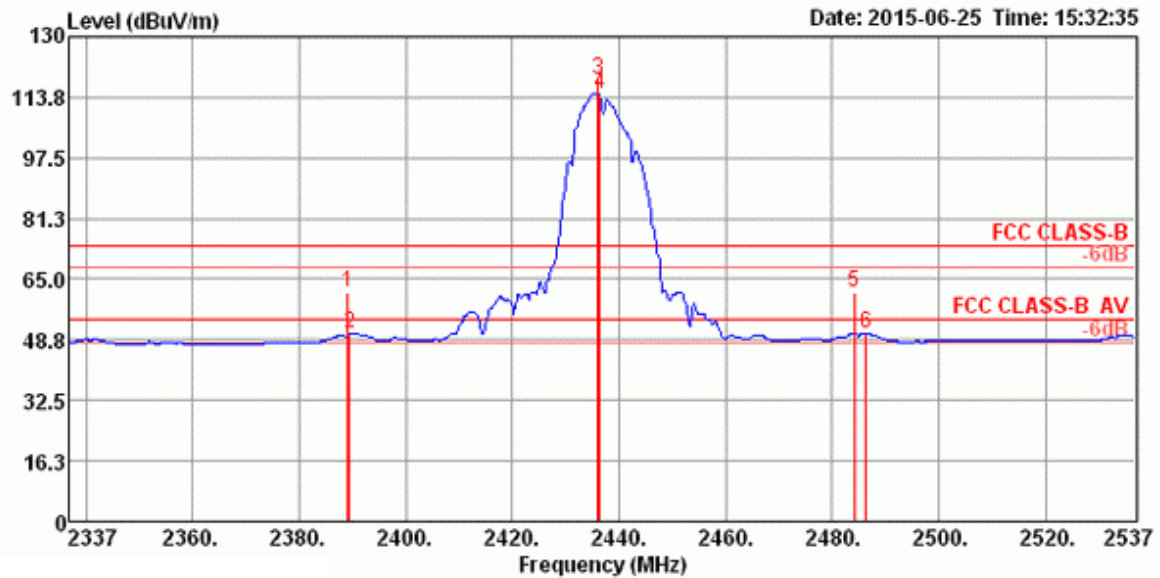
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3

Channel 1



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

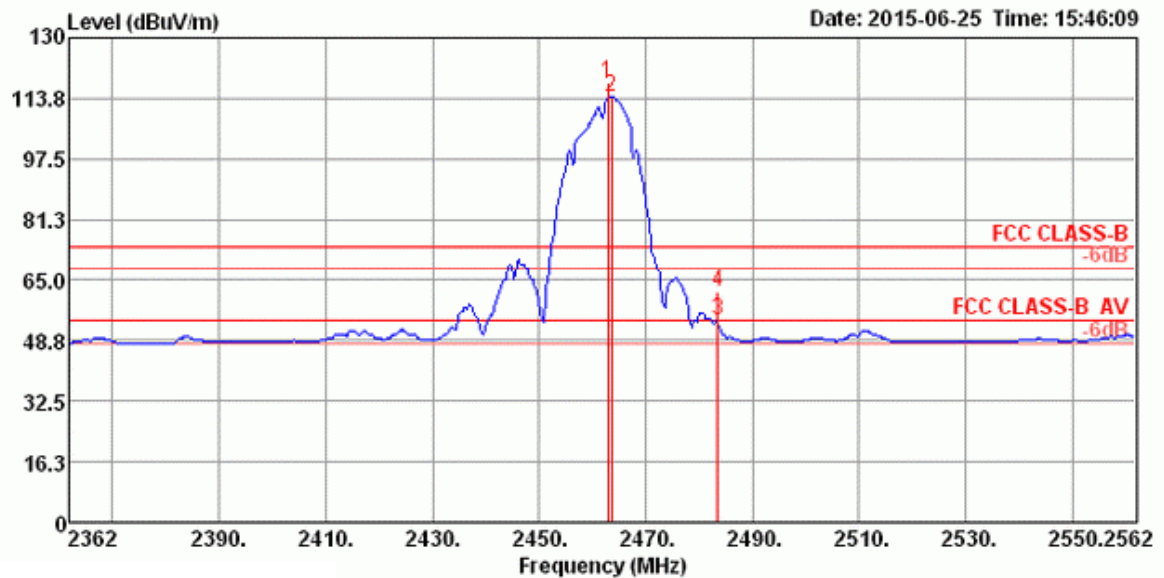
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2389.24	61.42	74.00	-12.58	28.74	4.37	28.31	0.00	176	309	HORIZONTAL
2	2389.56	50.48	54.00	-3.52	17.80	4.37	28.31	0.00	176	309	HORIZONTAL
3	2436.04	118.62			85.80	4.44	28.38	0.00	176	309	HORIZONTAL
4	2436.36	114.82			82.00	4.44	28.38	0.00	176	309	HORIZONTAL
5	2484.14	61.30	74.00	-12.70	28.32	4.51	28.47	0.00	176	309	HORIZONTAL
6	2486.36	50.47	54.00	-3.53	17.49	4.51	28.47	0.00	176	309	HORIZONTAL

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

Channel 11

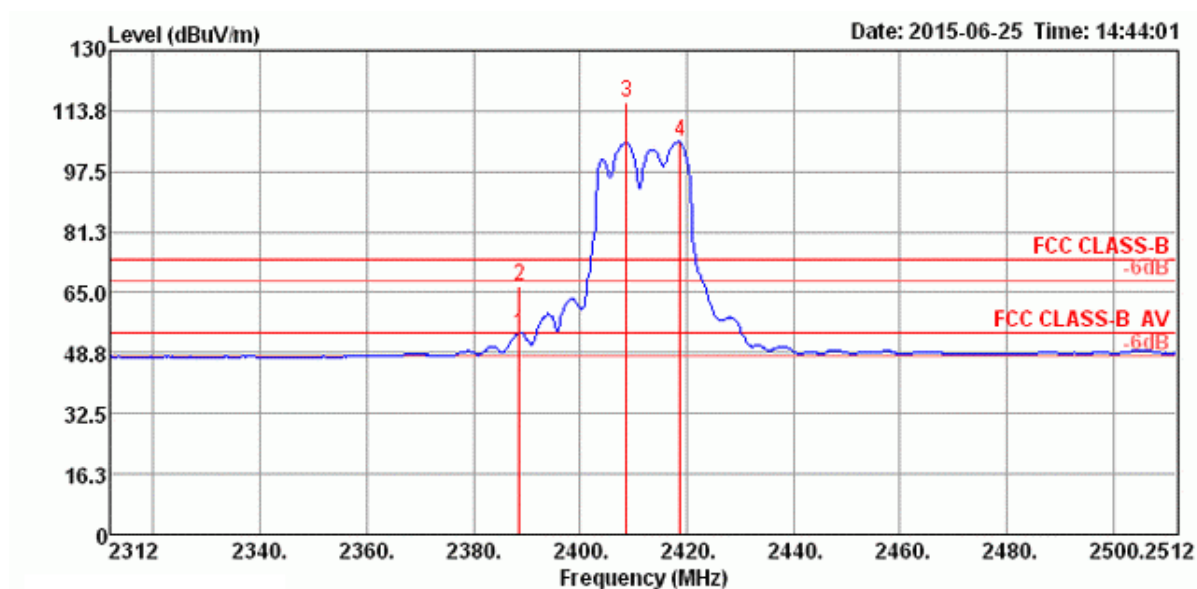


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2462.96	117.86			84.94	4.48	28.44	0.00	233	303	HORIZONTAL
2	2463.60	114.03			81.11	4.48	28.44	0.00	233	303	HORIZONTAL
3	2483.50	53.97	54.00	-0.03	20.99	4.51	28.47	0.00	233	303	HORIZONTAL
4	2483.50	62.03	74.00	-11.97	29.05	4.51	28.47	0.00	233	303	HORIZONTAL

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3

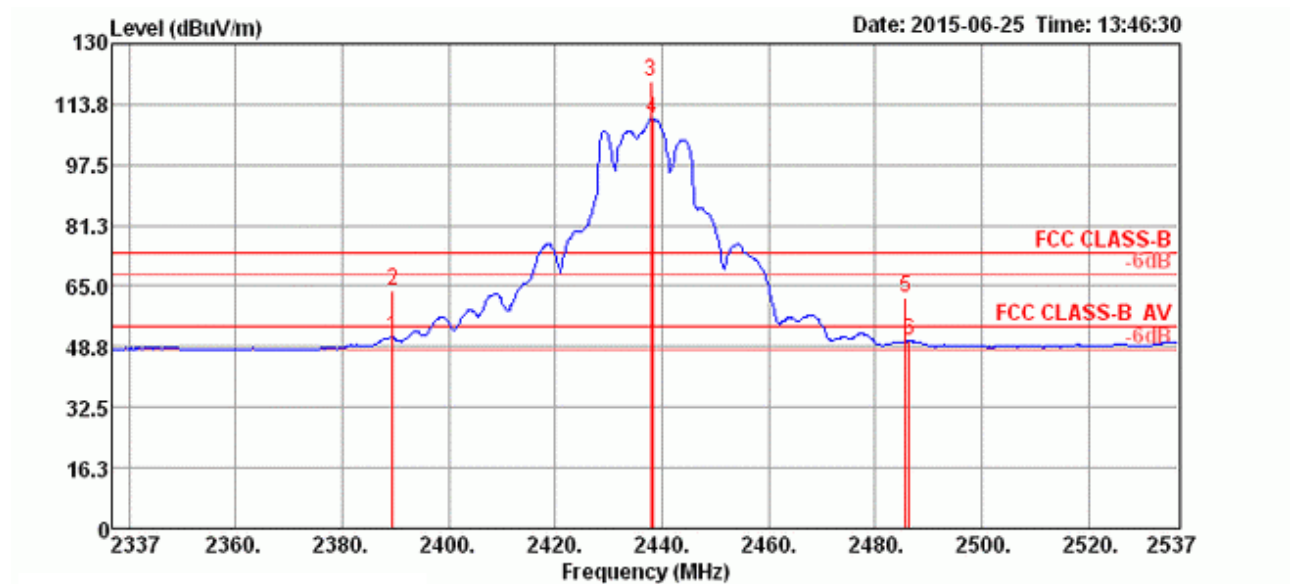
Channel 1



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg	Pol/Phase
1	2388.60	53.93	54.00	-0.07	21.25	4.37	28.31	0.00	Average	213	314	HORIZONTAL
2	2388.60	66.85	74.00	-7.15	34.17	4.37	28.31	0.00	Peak	213	314	HORIZONTAL
3	2408.80	115.93			83.18	4.41	28.34	0.00	Peak	213	314	HORIZONTAL
4	2418.73	105.36			72.58	4.44	28.34	0.00	Average	213	314	HORIZONTAL

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

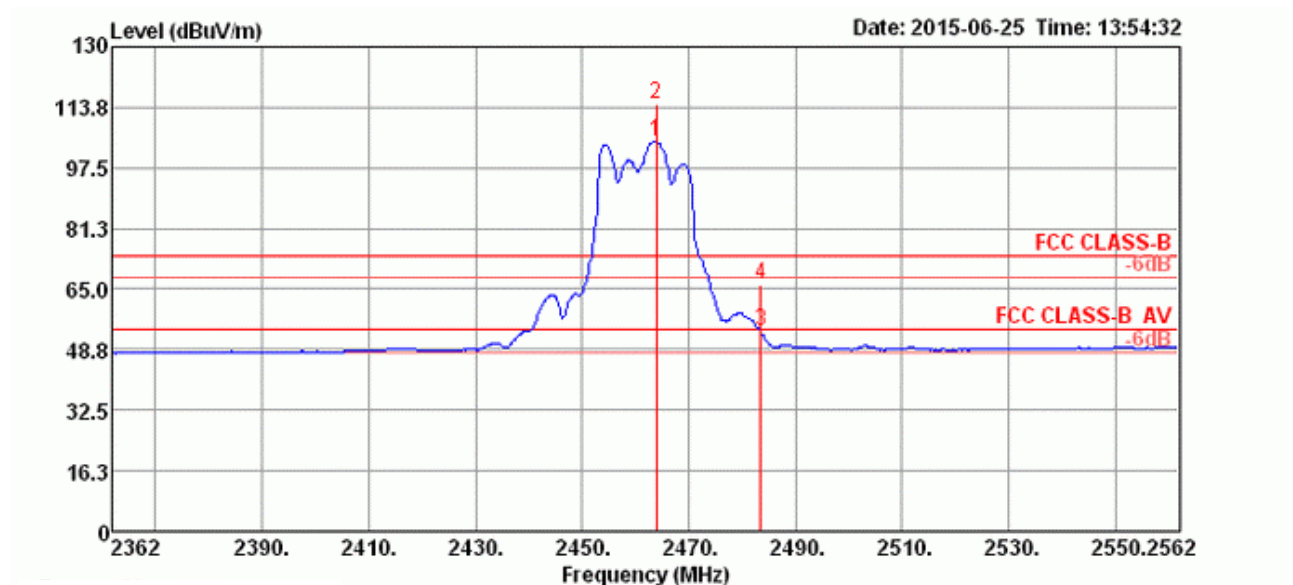
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2389.56	51.18	54.00	-2.82	18.50	4.37	28.31	0.00	174	303	HORIZONTAL
2	2389.56	63.95	74.00	-10.05	31.27	4.37	28.31	0.00	174	303	HORIZONTAL
3	2437.96	119.85			87.00	4.44	28.41	0.00	174	303	HORIZONTAL
4	2438.28	109.80			76.95	4.44	28.41	0.00	174	303	HORIZONTAL
5	2485.72	61.73	74.00	-12.27	28.75	4.51	28.47	0.00	174	303	HORIZONTAL
6	2486.36	50.21	54.00	-3.79	17.23	4.51	28.47	0.00	174	303	HORIZONTAL

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

Channel 11

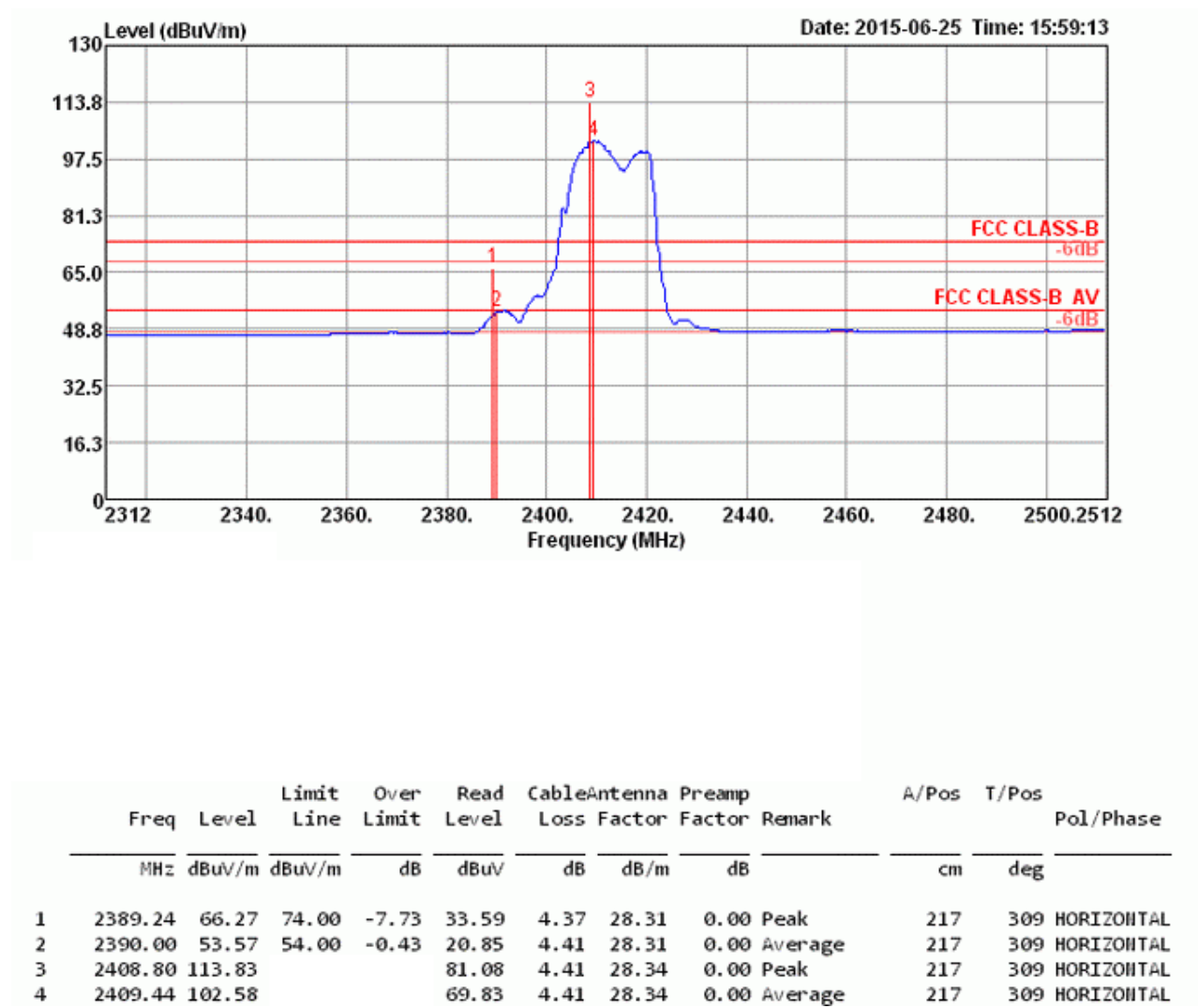


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2463.92	104.46			71.54	4.48	28.44	0.00	203	302	HORIZONTAL
2	2463.92	114.49			81.57	4.48	28.44	0.00	203	302	HORIZONTAL
3	2483.50	53.66	54.00	-0.34	20.68	4.51	28.47	0.00	203	302	HORIZONTAL
4	2483.50	66.23	74.00	-7.77	33.25	4.51	28.47	0.00	203	302	HORIZONTAL

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

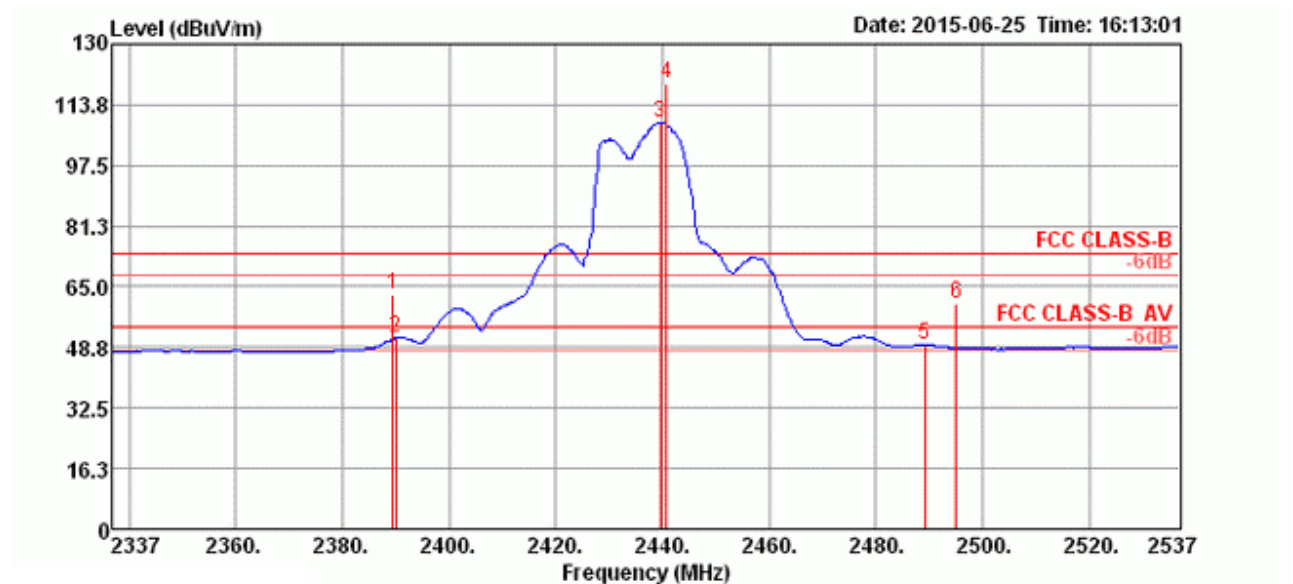
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3

Channel 1



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

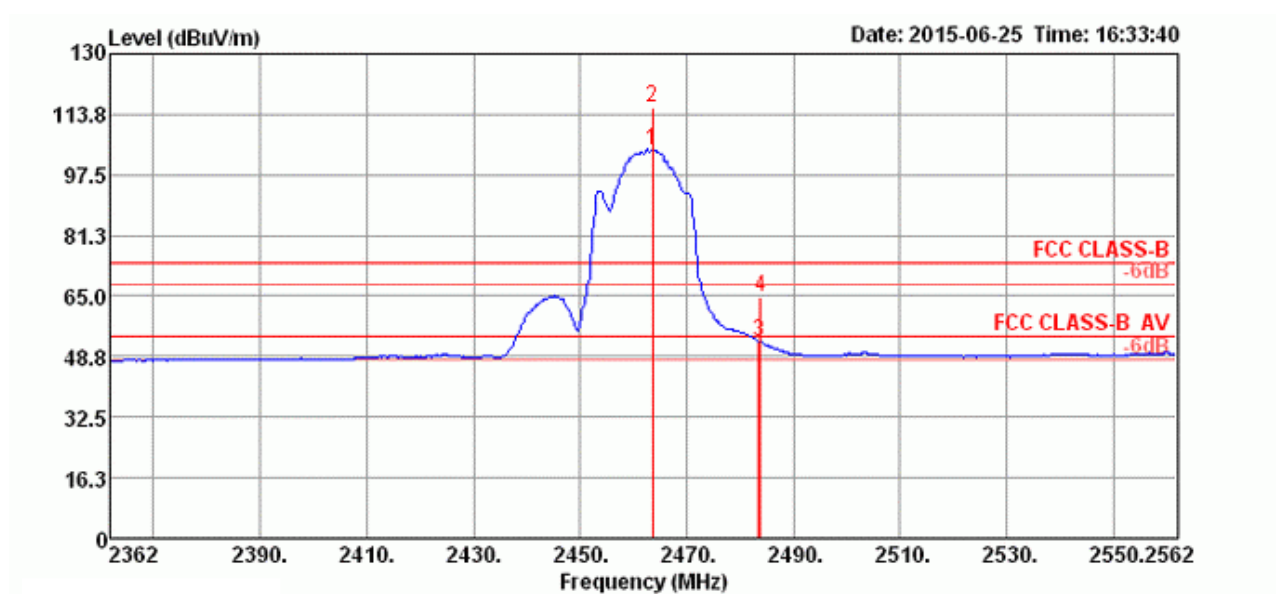
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	2389.56	62.80	74.00	-11.20	30.12	4.37	28.31	0.00	Peak	235	305 HORIZONTAL
2	2390.00	51.10	54.00	-2.90	18.38	4.41	28.31	0.00	Average	235	305 HORIZONTAL
3	2439.56	109.00			76.15	4.44	28.41	0.00	Average	235	305 HORIZONTAL
4	2440.85	119.63			86.74	4.48	28.41	0.00	Peak	235	305 HORIZONTAL
5	2489.24	49.31	54.00	-4.69	16.30	4.51	28.50	0.00	Average	235	305 HORIZONTAL
6	2495.01	60.62	74.00	-13.38	27.57	4.55	28.50	0.00	Peak	235	305 HORIZONTAL

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

Channel 11

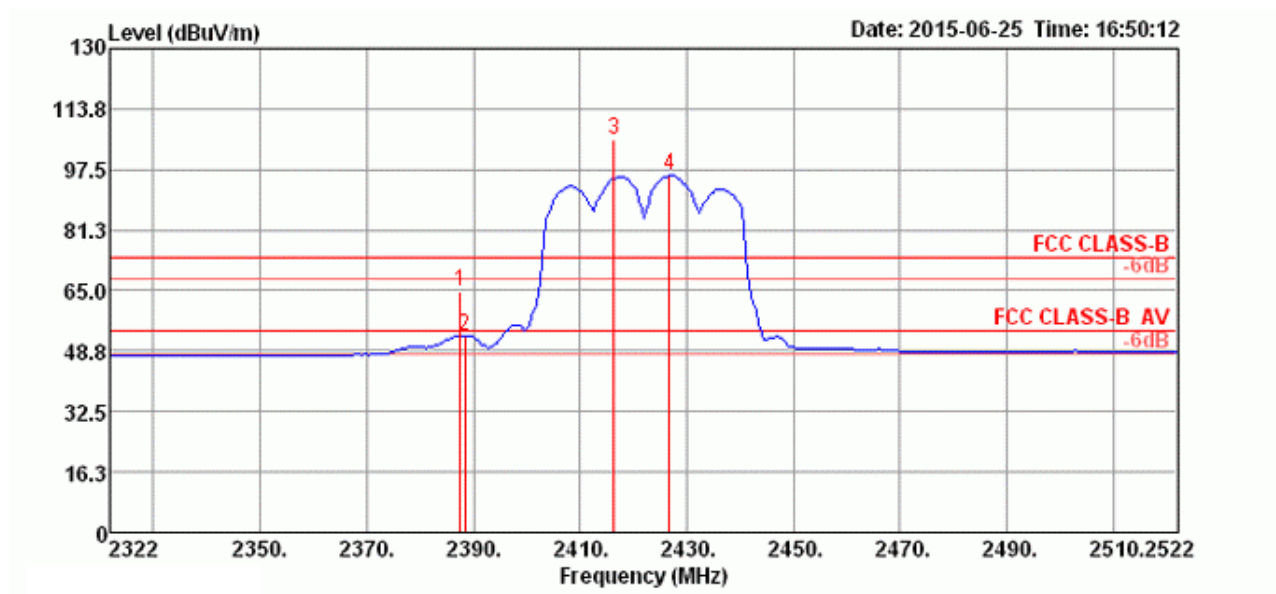


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2463.60	104.33			71.41	4.48	28.44	0.00	153	47	HORIZONTAL
2	2463.60	115.39			82.47	4.48	28.44	0.00	153	47	HORIZONTAL
3	2483.50	52.78	54.00	-1.22	19.80	4.51	28.47	0.00	153	47	HORIZONTAL
4	2483.80	64.90	74.00	-9.10	31.92	4.51	28.47	0.00	153	47	HORIZONTAL

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3

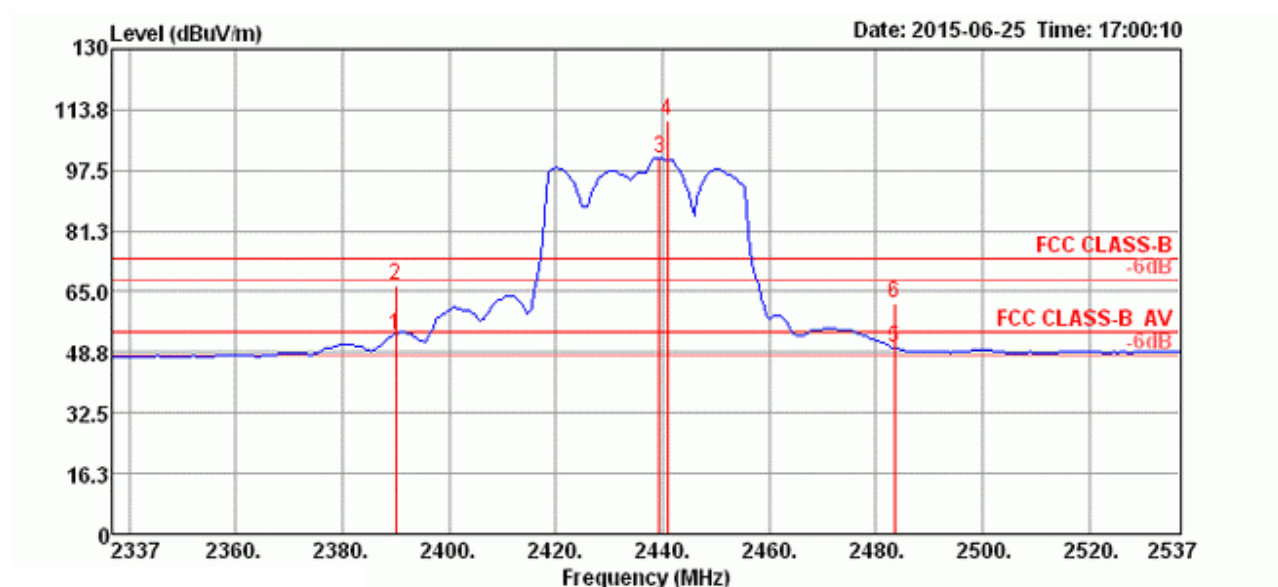
Channel 3



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	
1	2387.55	64.86	74.00	-9.14	32.18	4.37	28.31	0.00	Peak	176	60	HORIZONTAL
2	2388.35	52.80	54.00	-1.20	20.12	4.37	28.31	0.00	Average	176	60	HORIZONTAL
3	2416.39	105.73			72.95	4.44	28.34	0.00	Peak	176	60	HORIZONTAL
4	2426.81	95.76			62.94	4.44	28.38	0.00	Average	176	60	HORIZONTAL

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

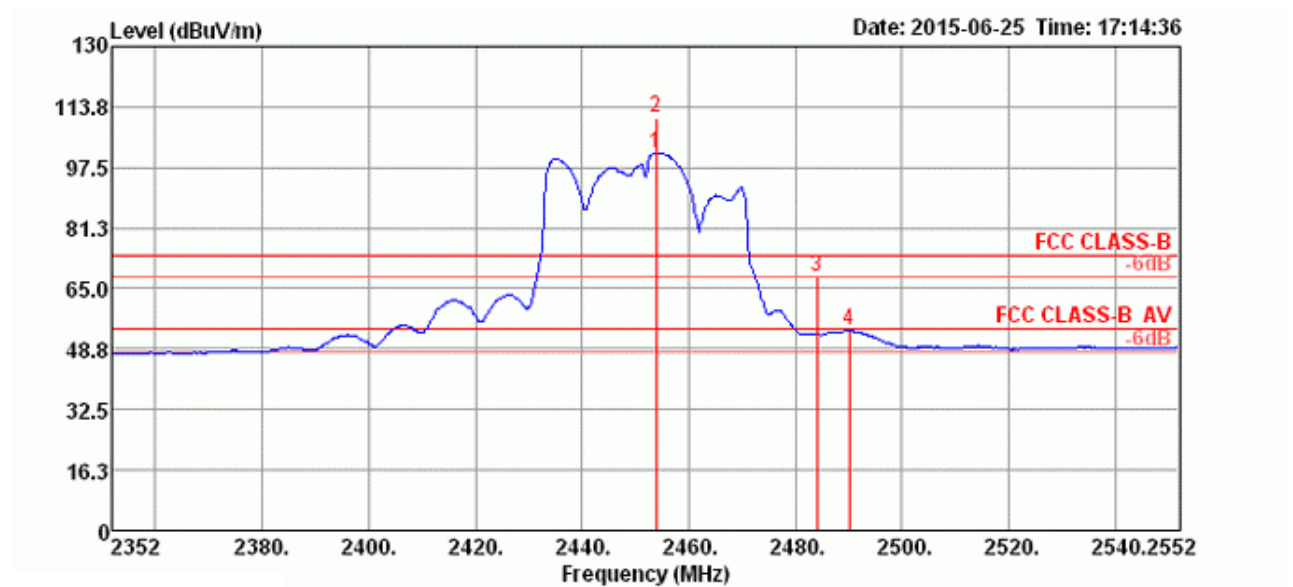
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	2390.00	53.40	54.00	-0.60	20.68	4.41	28.31	0.00	Average	172	300 HORIZONTAL
2	2390.00	66.54	74.00	-7.46	33.82	4.41	28.31	0.00	Peak	172	300 HORIZONTAL
3	2439.40	100.62			67.77	4.44	28.41	0.00	Average	172	300 HORIZONTAL
4	2441.01	110.63			77.74	4.48	28.41	0.00	Peak	172	300 HORIZONTAL
5	2483.50	49.84	54.00	-4.16	16.86	4.51	28.47	0.00	Average	172	300 HORIZONTAL
6	2483.50	61.72	74.00	-12.28	28.74	4.51	28.47	0.00	Peak	172	300 HORIZONTAL

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

Channel 9



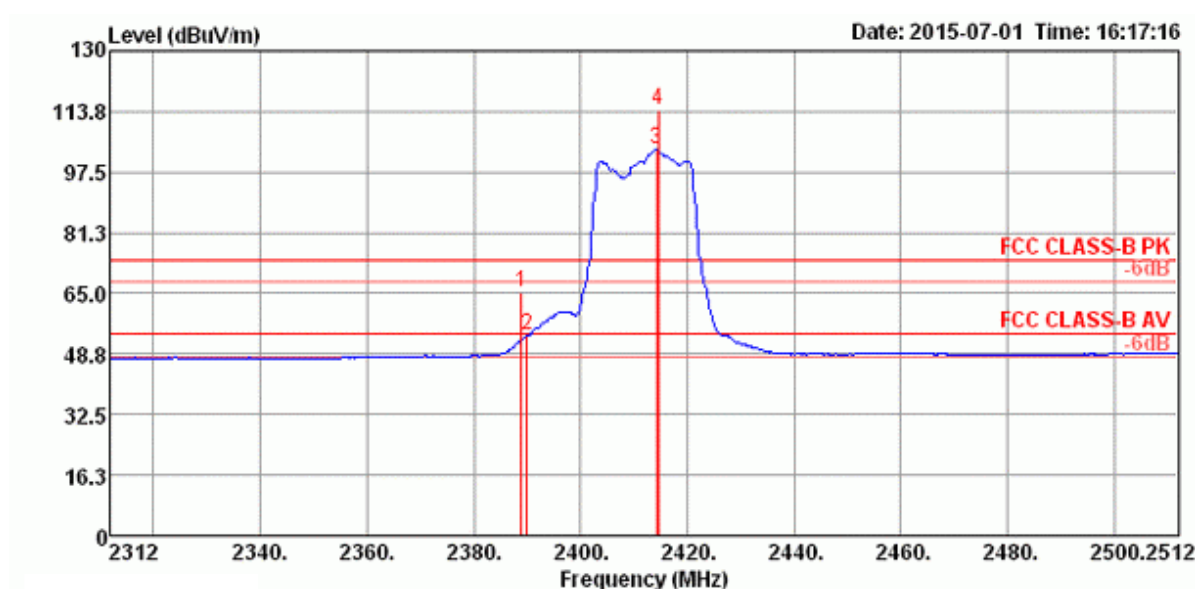
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	2453.92	101.41			68.49	4.48	28.44	0.00	Average	195	308 HORIZONTAL
2	2453.92	111.00			78.08	4.48	28.44	0.00	Peak	195	308 HORIZONTAL
3	2484.05	68.35	74.00	-5.65	35.37	4.51	28.47	0.00	Peak	195	308 HORIZONTAL
4	2490.14	53.69	54.00	-0.31	20.68	4.51	28.50	0.00	Average	195	308 HORIZONTAL

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

<For Radio 1 Non-beamforming Mode>: 3TX, 2S

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3

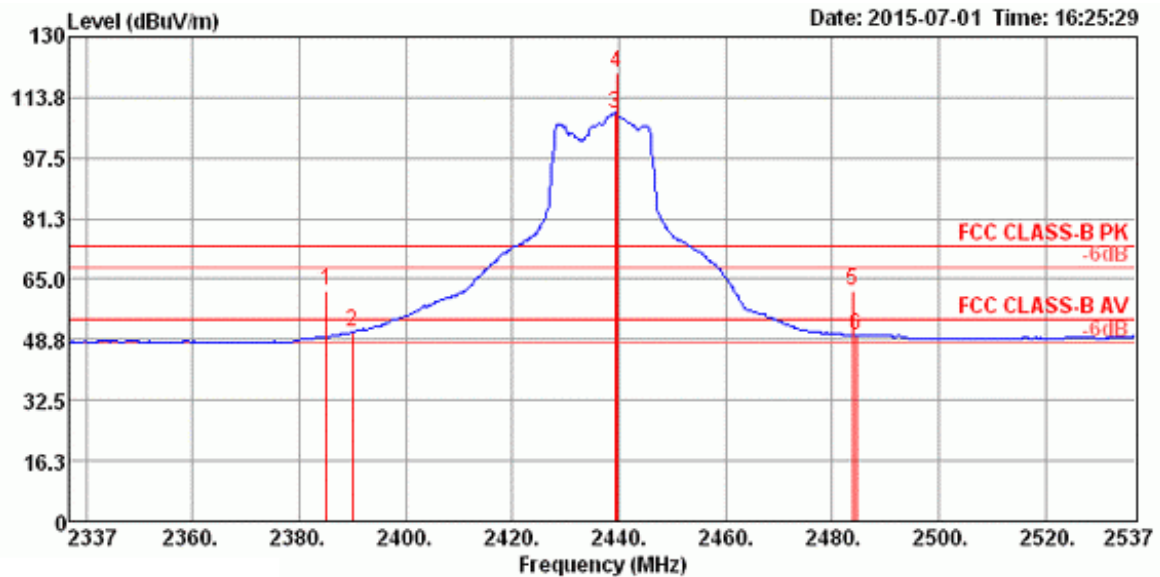
Channel 1



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	
1	2388.92	65.10	74.00	-8.90	32.42	4.37	28.31	0.00	Peak	188	302	HORIZONTAL
2	2390.00	53.62	54.00	-0.38	20.90	4.41	28.31	0.00	Average	188	302	HORIZONTAL
3	2414.24	103.70			70.95	4.41	28.34	0.00	Average	188	302	HORIZONTAL
4	2414.56	113.98			81.23	4.41	28.34	0.00	Peak	188	302	HORIZONTAL

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

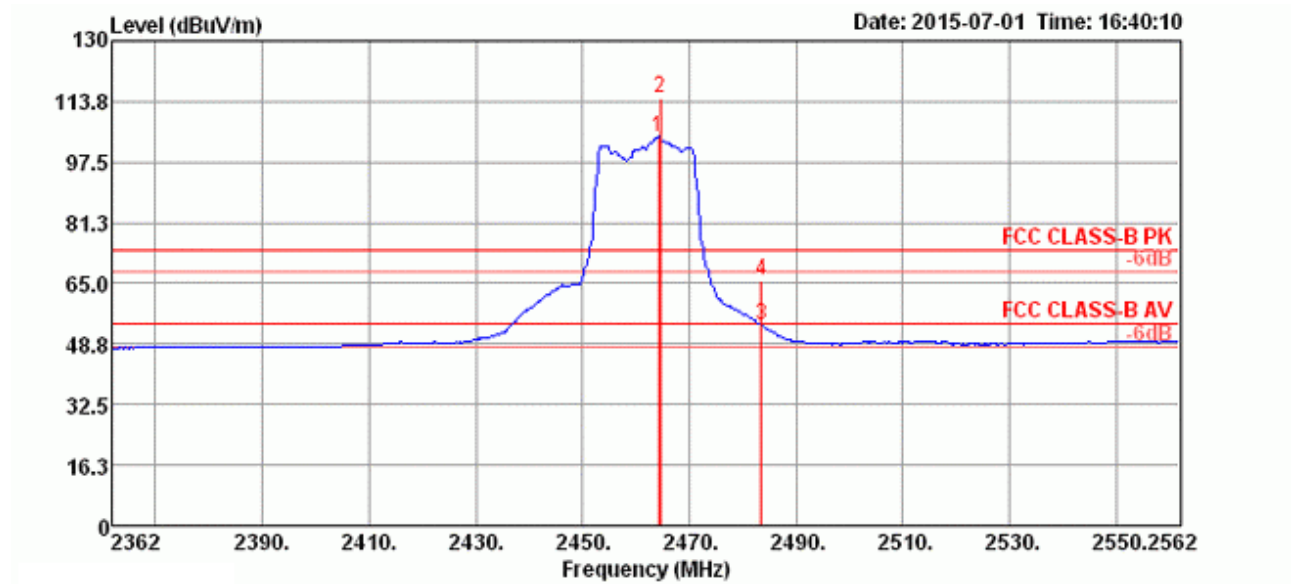
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	2385.08	61.79	74.00	-12.21	29.14	4.37	28.28	0.00	Peak	187	303
2	2390.00	50.76	54.00	-3.24	18.04	4.41	28.31	0.00	Average	187	303
3	2439.24	109.57			76.72	4.44	28.41	0.00	Average	187	303
4	2439.56	120.22			87.37	4.44	28.41	0.00	Peak	187	303
5	2483.80	61.79	74.00	-12.21	28.81	4.51	28.47	0.00	Peak	187	303
6	2484.44	50.01	54.00	-3.99	17.03	4.51	28.47	0.00	Average	187	303

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

Channel 11

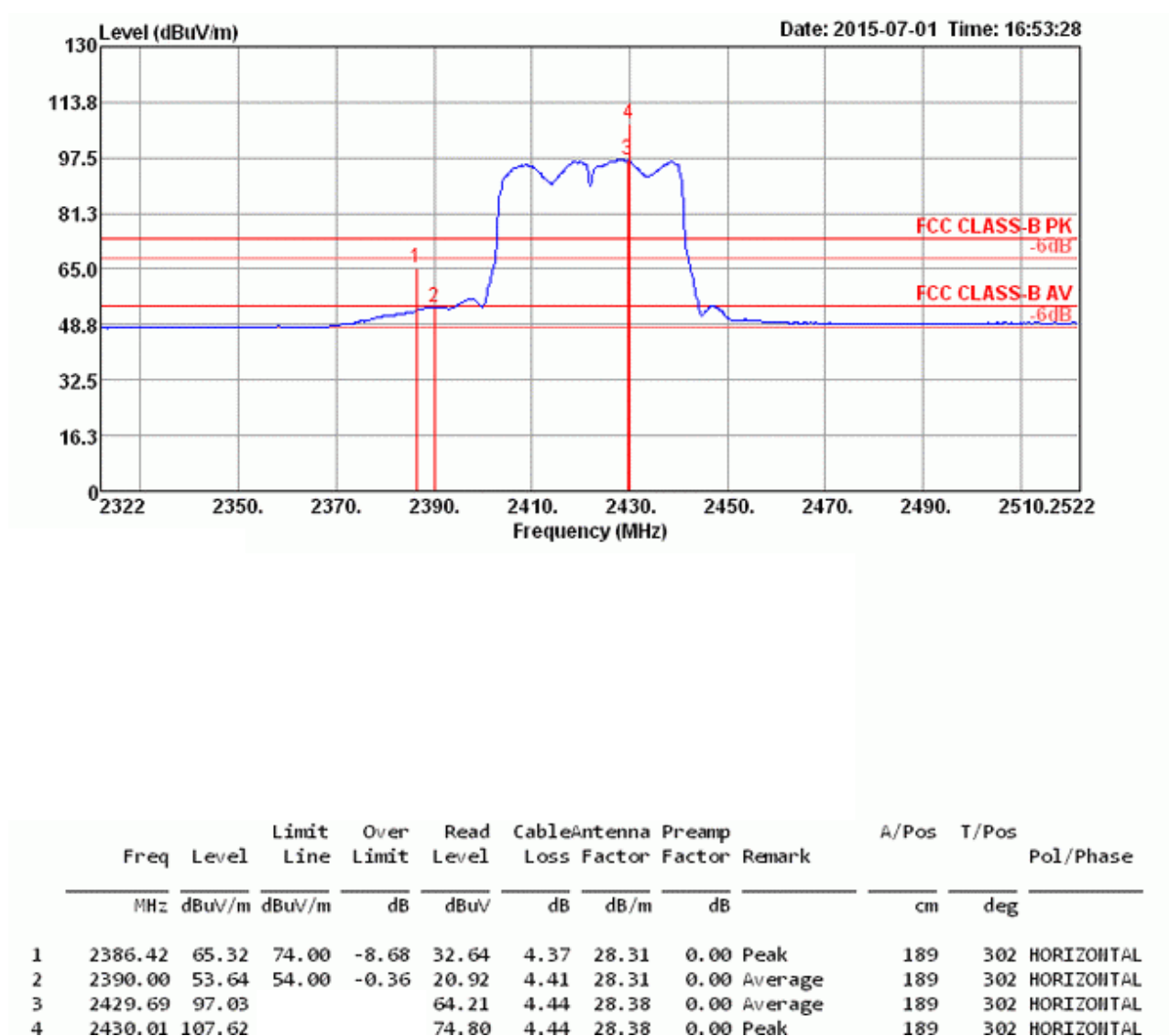


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2464.24	104.33			71.41	4.48	28.44	0.00	201	301	HORIZONTAL
2	2464.56	114.74			81.82	4.48	28.44	0.00	201	301	HORIZONTAL
3	2483.50	53.84	54.00	-0.16	20.86	4.51	28.47	0.00	201	301	HORIZONTAL
4	2483.50	65.64	74.00	-8.36	32.66	4.51	28.47	0.00	201	301	HORIZONTAL

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

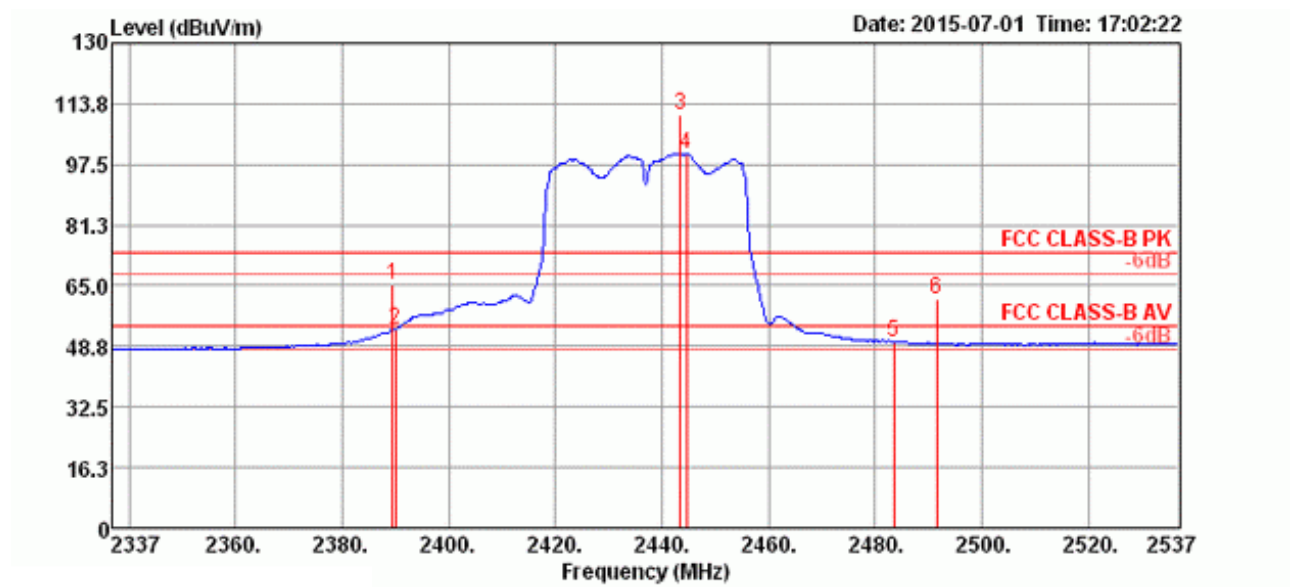
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3

Channel 3



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

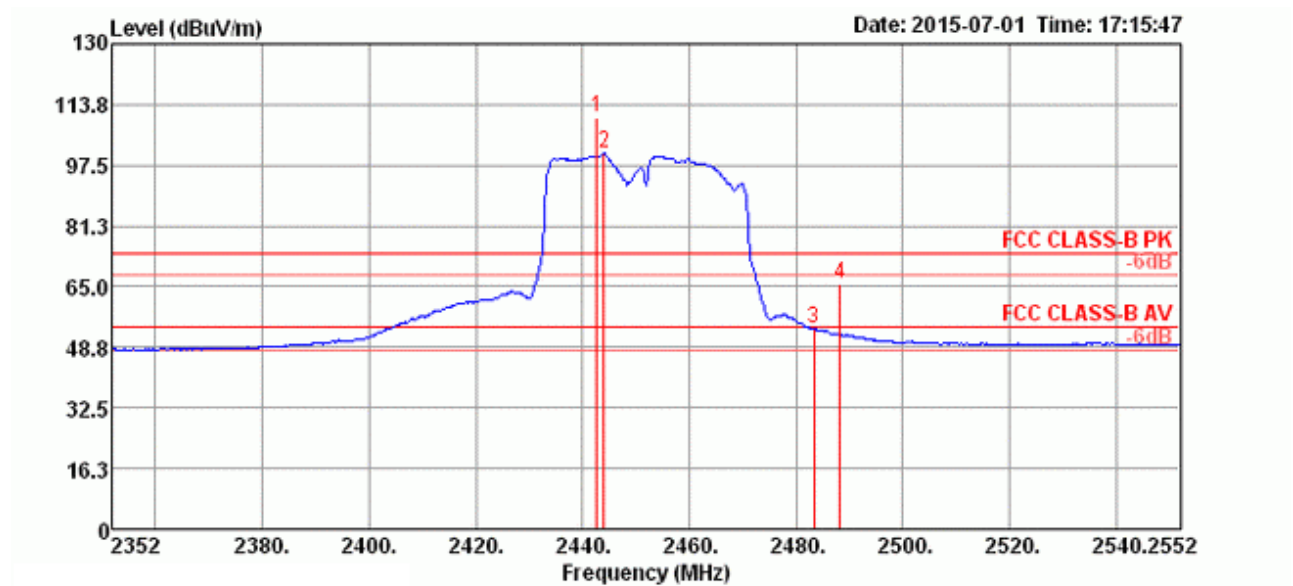
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	2389.56	65.17	74.00	-8.83	32.49	4.37	28.31	0.00	Peak	211	302 HORIZONTAL
2	2390.00	53.26	54.00	-0.74	20.54	4.41	28.31	0.00	Average	211	302 HORIZONTAL
3	2443.41	110.75			77.86	4.48	28.41	0.00	Peak	211	302 HORIZONTAL
4	2444.69	100.40			67.51	4.48	28.41	0.00	Average	211	302 HORIZONTAL
5	2483.50	50.09	54.00	-3.91	17.11	4.51	28.47	0.00	Average	211	302 HORIZONTAL
6	2491.49	61.43	74.00	-12.57	28.42	4.51	28.50	0.00	Peak	211	302 HORIZONTAL

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

Channel 9



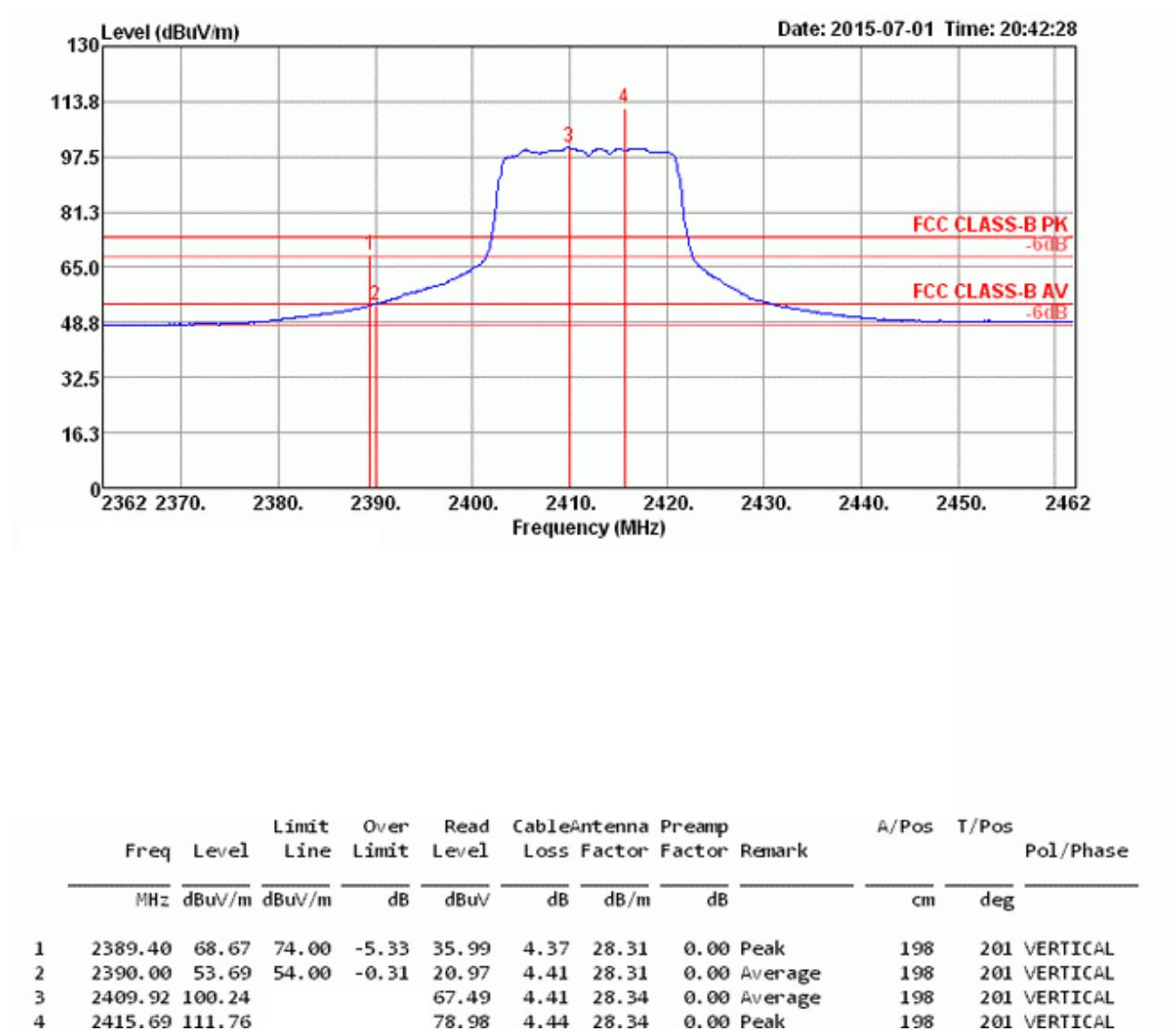
	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	
1	2442.71	110.40			77.51	4.48	28.41	0.00	Peak	189	301	HORIZONTAL
2	2443.99	100.61			67.72	4.48	28.41	0.00	Average	189	301	HORIZONTAL
3	2483.50	53.76	54.00	-0.24	20.78	4.51	28.47	0.00	Average	189	301	HORIZONTAL
4	2488.22	65.61	74.00	-8.39	32.60	4.51	28.50	0.00	Peak	189	301	HORIZONTAL

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

<For Radio 1 Non-beamforming Mode>: 3TX, 3S

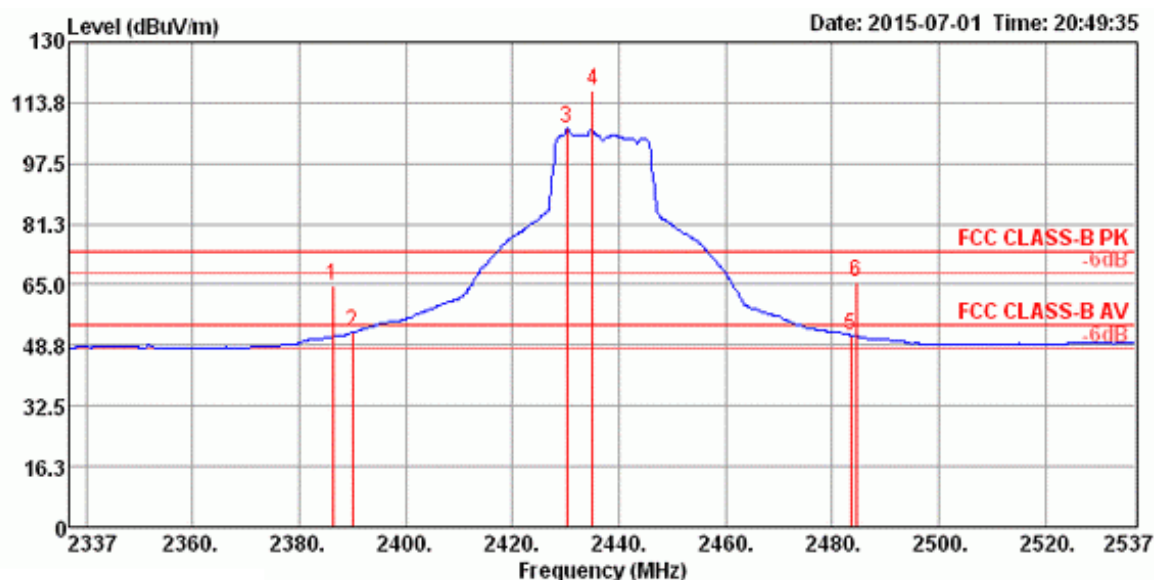
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3

Channel 1



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

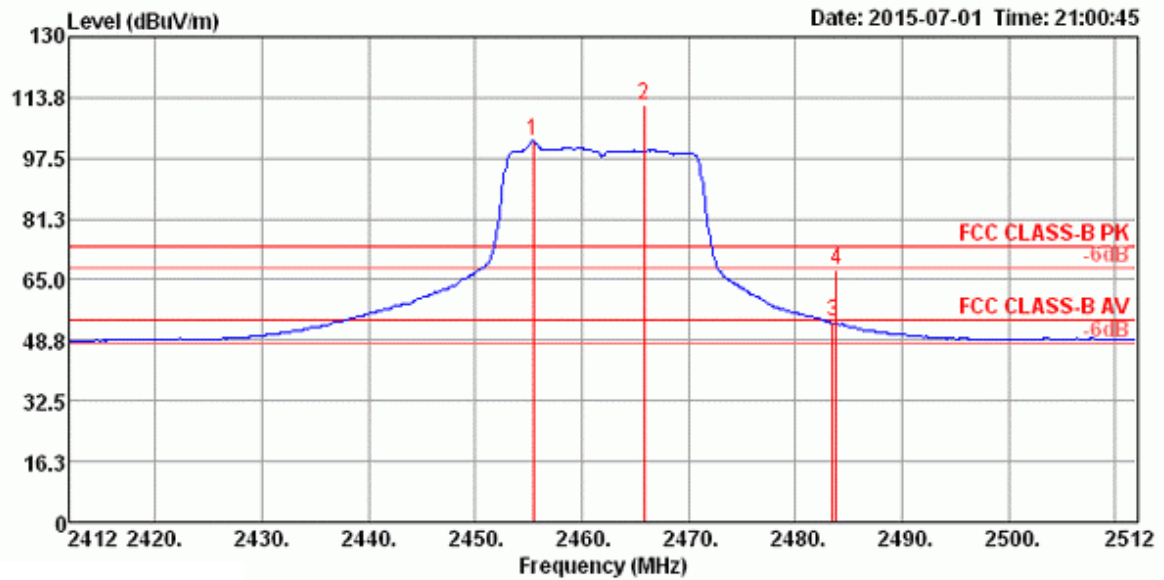
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2386.36	65.00	74.00	-9.00	32.32	4.37	28.31	0.00	191	171	VERTICAL
2	2390.00	52.21	54.00	-1.79	19.49	4.41	28.31	0.00	191	171	VERTICAL
3	2430.27	106.76			73.94	4.44	28.38	0.00	191	171	VERTICAL
4	2435.08	116.94			84.12	4.44	28.38	0.00	191	171	VERTICAL
5	2483.50	51.38	54.00	-2.62	18.40	4.51	28.47	0.00	191	171	VERTICAL
6	2484.44	65.52	74.00	-8.48	32.54	4.51	28.47	0.00	191	171	VERTICAL

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

Channel 11

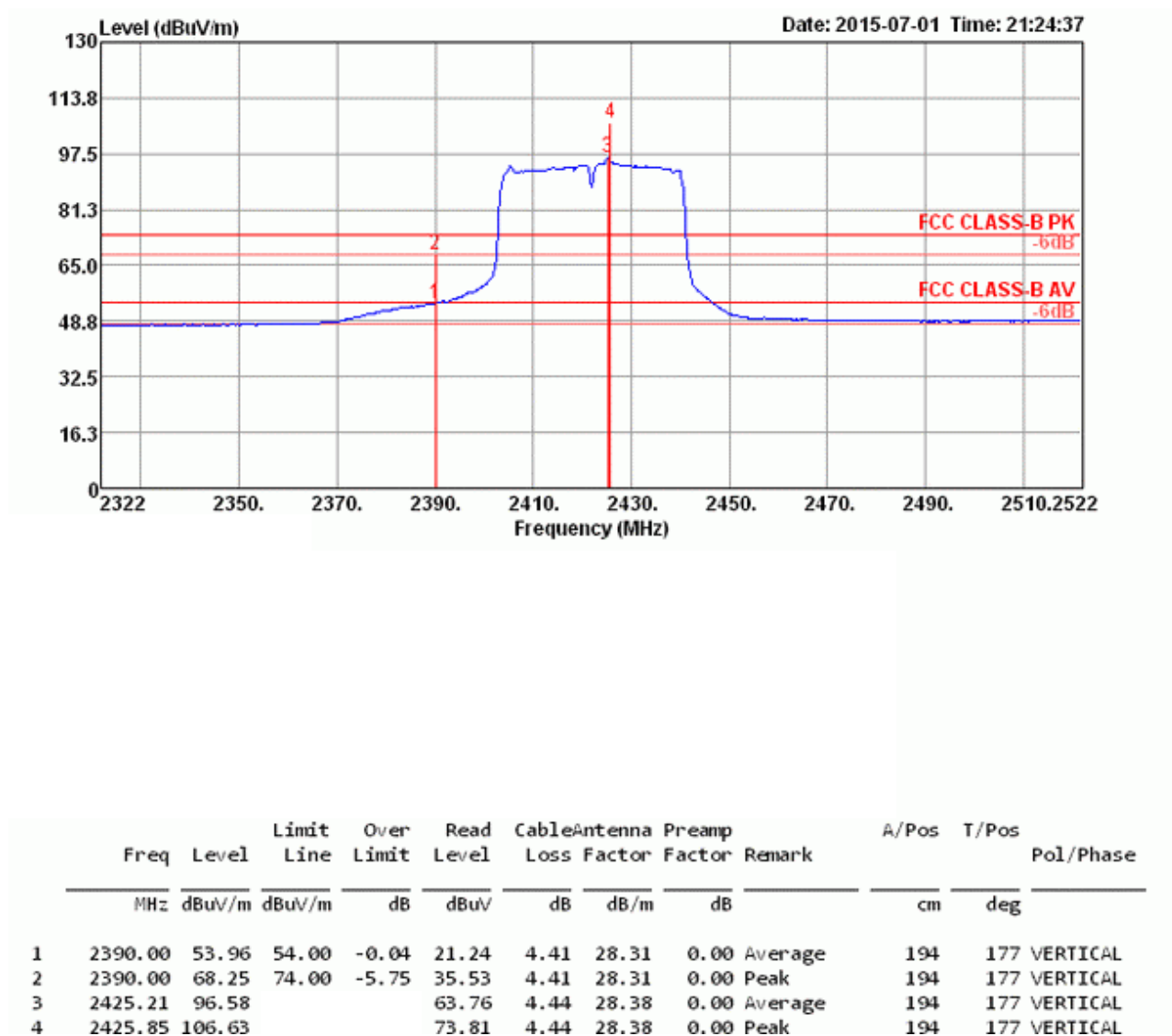


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2455.43	102.03			69.11	4.48	28.44	0.00	212	231	VERTICAL
2	2465.85	111.88			78.96	4.48	28.44	0.00	212	231	VERTICAL
3	2483.50	53.68	54.00	-0.32	20.70	4.51	28.47	0.00	212	231	VERTICAL
4	2483.80	67.84	74.00	-6.16	34.86	4.51	28.47	0.00	212	231	VERTICAL

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

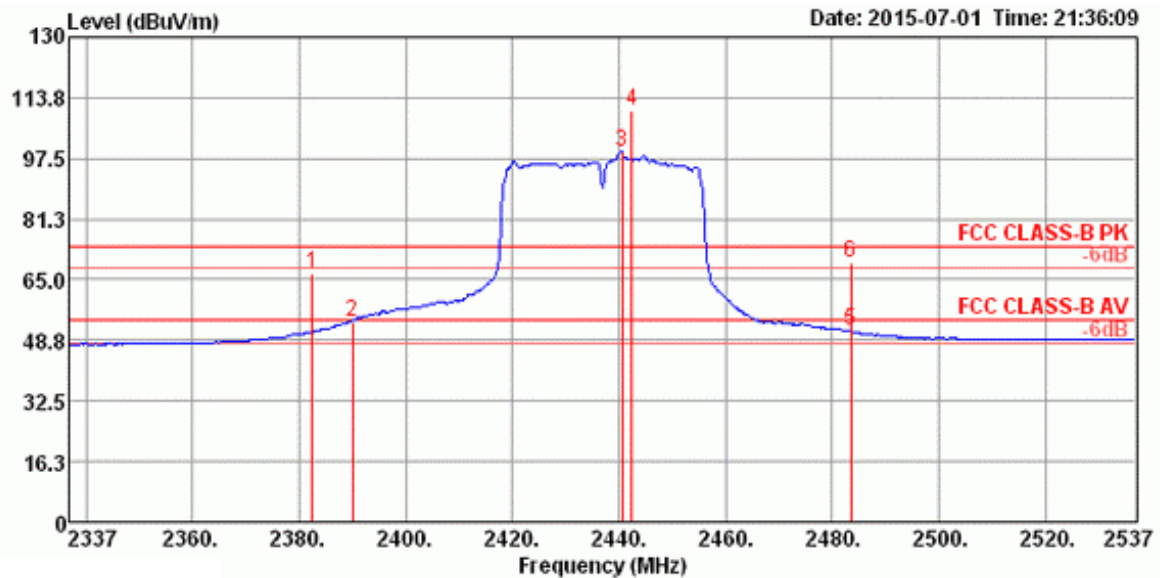
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test date	Jul. 01, 2015		

Channel 3



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

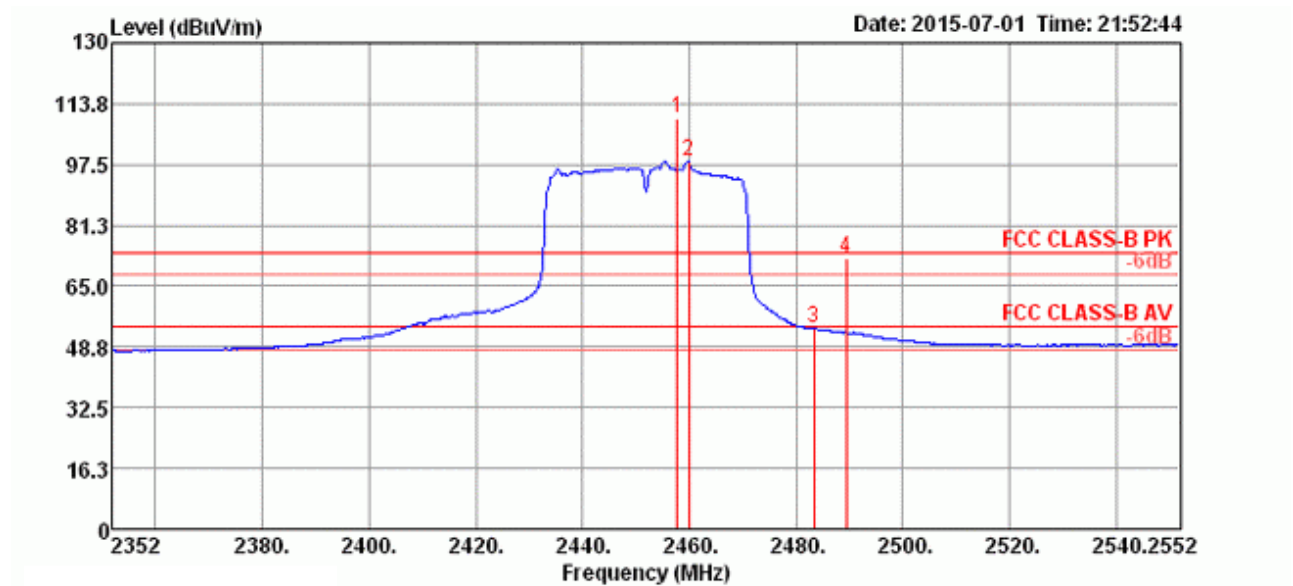
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	2382.51	66.88	74.00	-7.12	34.23	4.37	28.28	0.00	Peak	224	182 VERTICAL
2	2390.00	53.65	54.00	-0.35	20.93	4.41	28.31	0.00	Average	224	182 VERTICAL
3	2440.53	99.13			66.28	4.44	28.41	0.00	Average	224	182 VERTICAL
4	2442.45	110.17			77.28	4.48	28.41	0.00	Peak	224	182 VERTICAL
5	2483.50	51.30	54.00	-2.70	18.32	4.51	28.47	0.00	Average	224	182 VERTICAL
6	2483.50	69.49	74.00	-4.51	36.51	4.51	28.47	0.00	Peak	224	182 VERTICAL

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

Channel 9



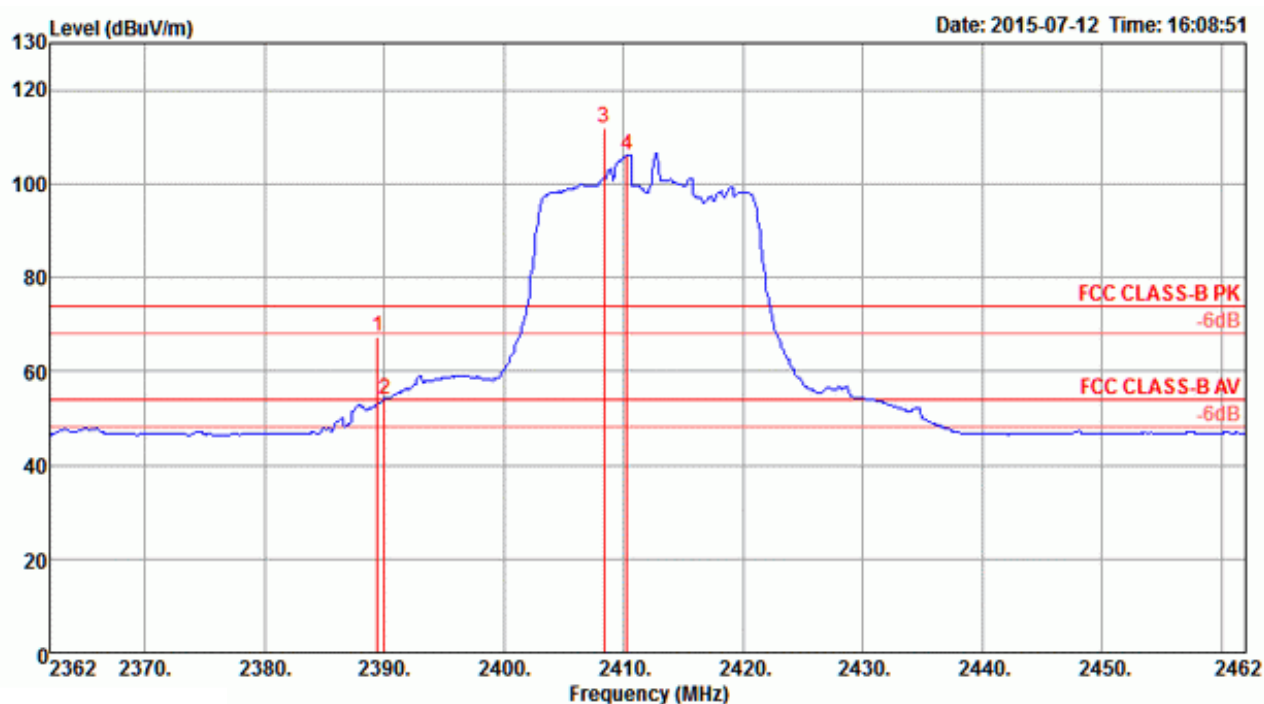
	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg	
1	2457.77	110.06			77.14	4.48	28.44	0.00	Peak	197	229	VERTICAL
2	2460.01	98.43			65.51	4.48	28.44	0.00	Average	197	229	VERTICAL
3	2483.50	53.60	54.00	-0.40	20.62	4.51	28.47	0.00	Average	197	229	VERTICAL
4	2489.50	72.66	74.00	-1.34	39.65	4.51	28.50	0.00	Peak	197	229	VERTICAL

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

<For Radio 1 Beamforming Mode>: 2TX, 1S

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2

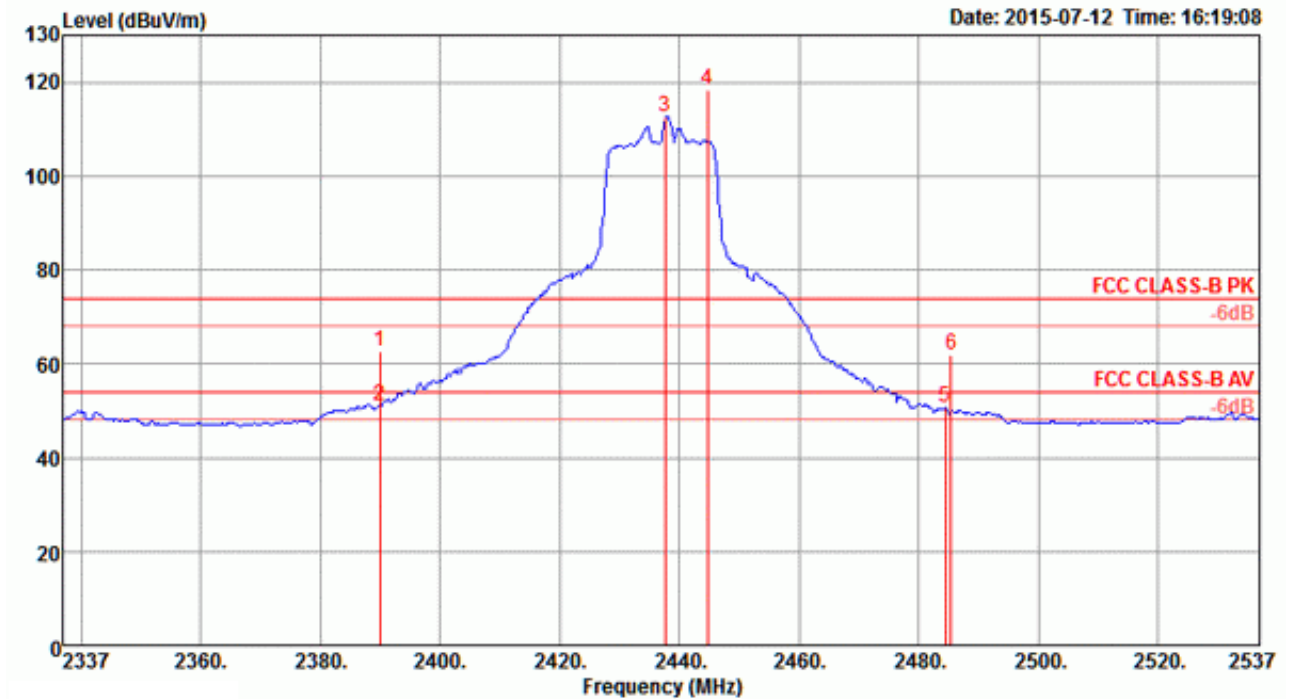
Channel 1



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2389.40	67.32	74.00	-6.68	36.32	2.86	28.14	0.00	64	194	Peak
2	2390.00	53.80	54.00	-0.20	22.80	2.86	28.14	0.00	64	194	Average
3	2408.31	111.76			80.77	2.87	28.12	0.00	64	194	Peak
4	2410.24	106.28			75.29	2.87	28.12	0.00	64	194	Average

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

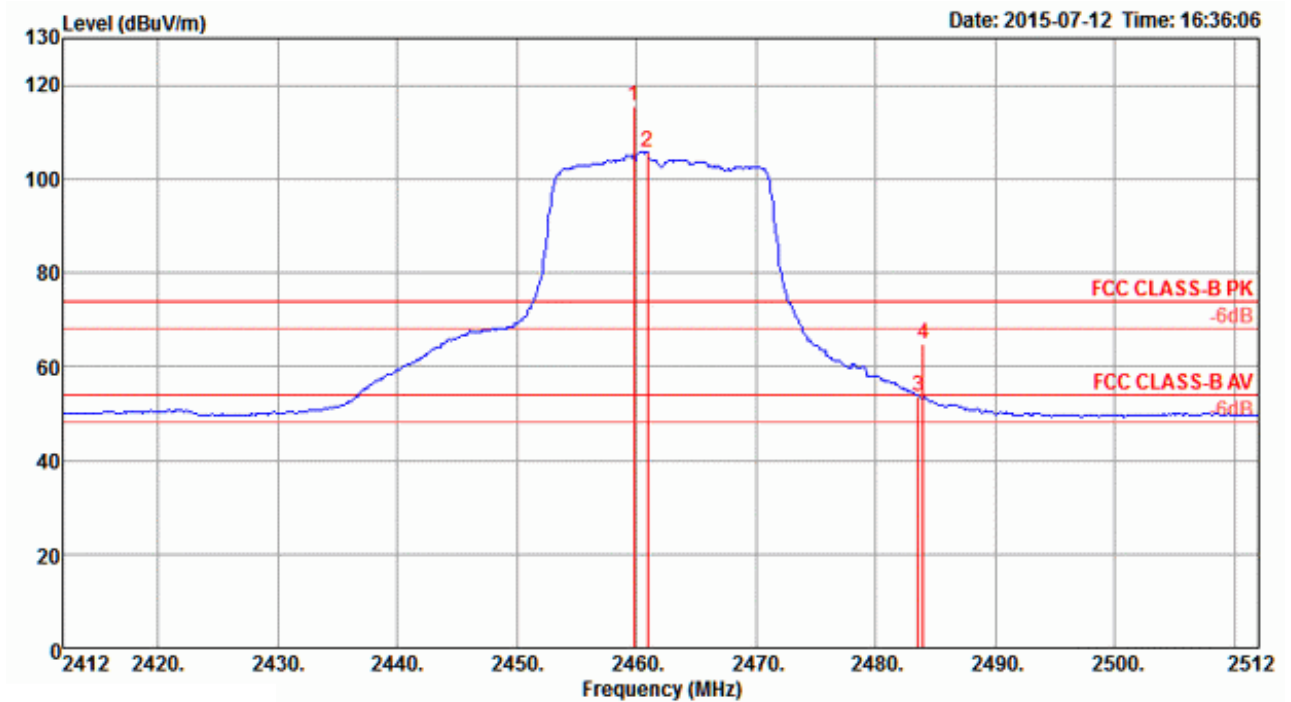
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2390.00	62.49	74.00	-11.51	31.49	2.86	28.14	0.00	319	208 Peak	HORIZONTAL
2	2390.00	51.09	54.00	-2.91	20.09	2.86	28.14	0.00	319	208 Average	HORIZONTAL
3	2437.64	112.74			81.78	2.89	28.07	0.00	319	208 Average	HORIZONTAL
4	2444.69	118.27			87.31	2.89	28.07	0.00	319	208 Peak	HORIZONTAL
5	2484.44	50.79	54.00	-3.21	19.86	2.91	28.02	0.00	319	208 Average	HORIZONTAL
6	2485.40	61.84	74.00	-12.16	30.91	2.91	28.02	0.00	319	208 Peak	HORIZONTAL

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

Channel 11

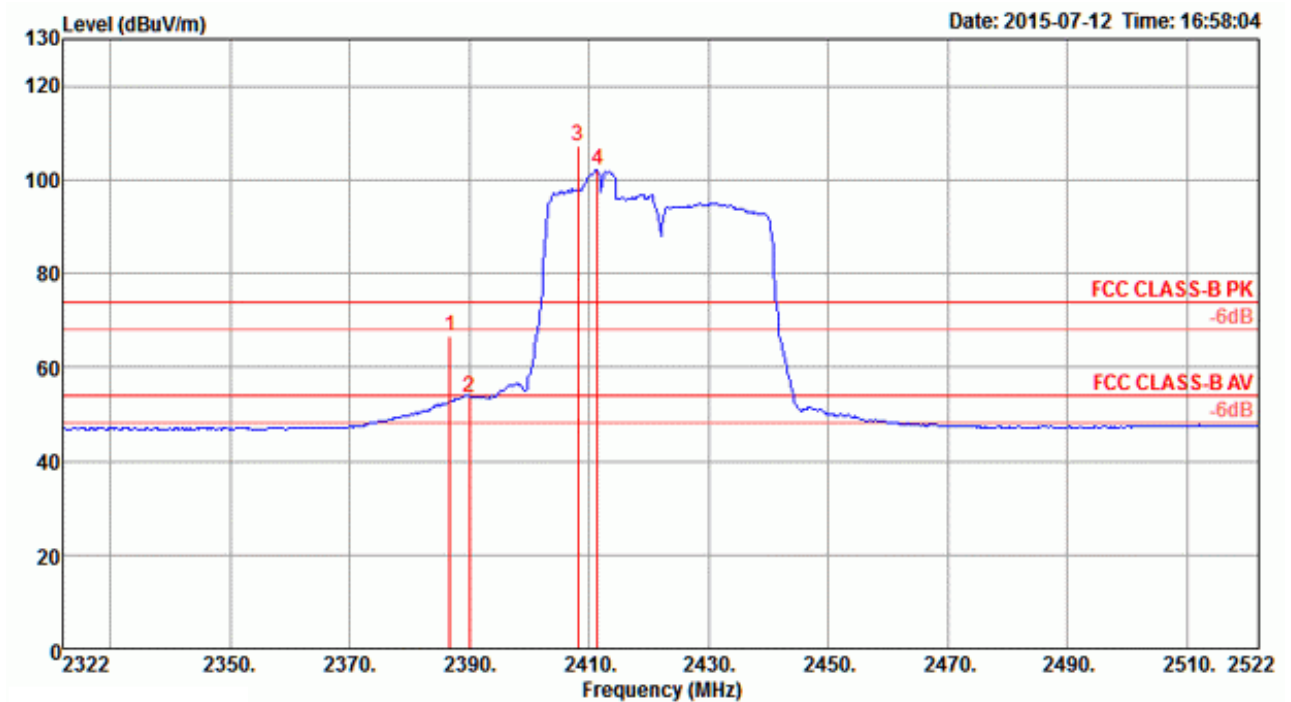


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2459.76	115.42			84.47	2.90	28.05	0.00	326	213 Peak	HORIZONTAL
2	2460.88	105.87			74.92	2.90	28.05	0.00	326	213 Average	HORIZONTAL
3	2483.50	53.75	54.00	-0.25	22.82	2.91	28.02	0.00	326	213 Average	HORIZONTAL
4	2483.96	64.79	74.00	-9.21	33.86	2.91	28.02	0.00	326	213 Peak	HORIZONTAL

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2

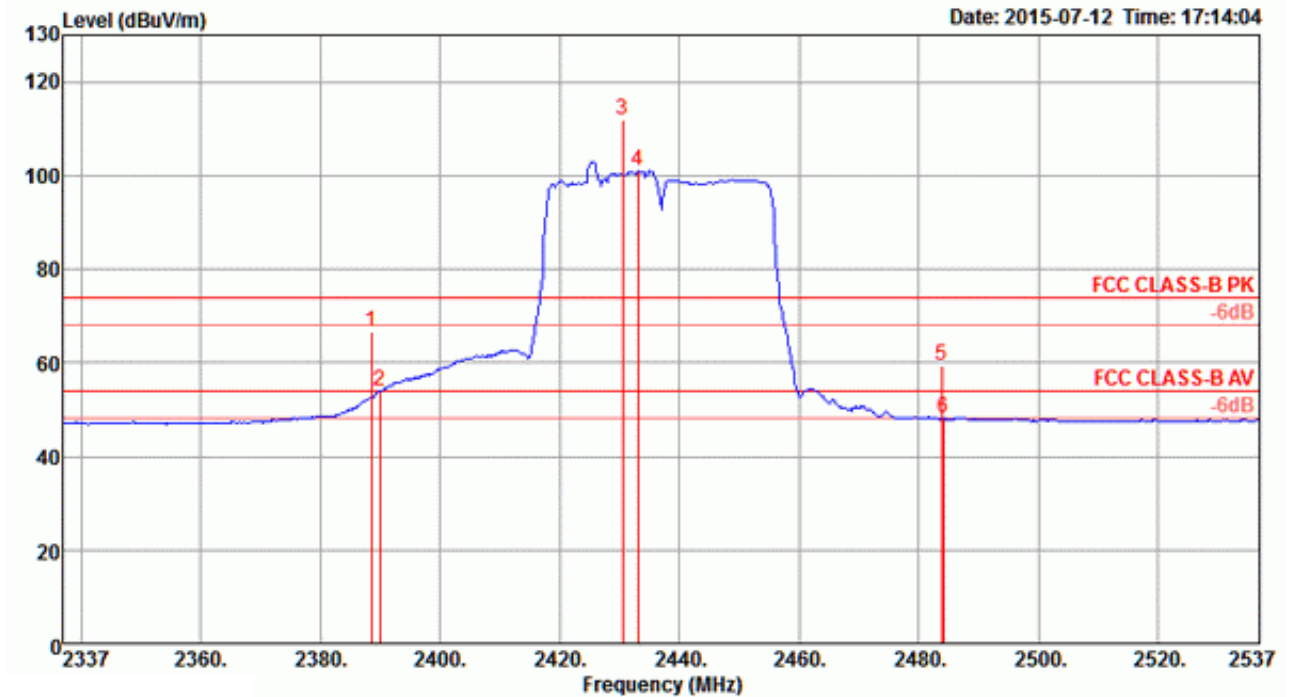
Channel 3



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2386.74	66.79	74.00	-7.21	35.79	2.86	28.14	0.00	62	185	Peak	HORIZONTAL
2	2390.00	53.70	54.00	-0.30	22.70	2.86	28.14	0.00	62	185	Average	HORIZONTAL
3	2408.22	107.30			76.31	2.87	28.12	0.00	62	185	Peak	HORIZONTAL
4	2411.42	102.01			71.02	2.87	28.12	0.00	62	185	Average	HORIZONTAL

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

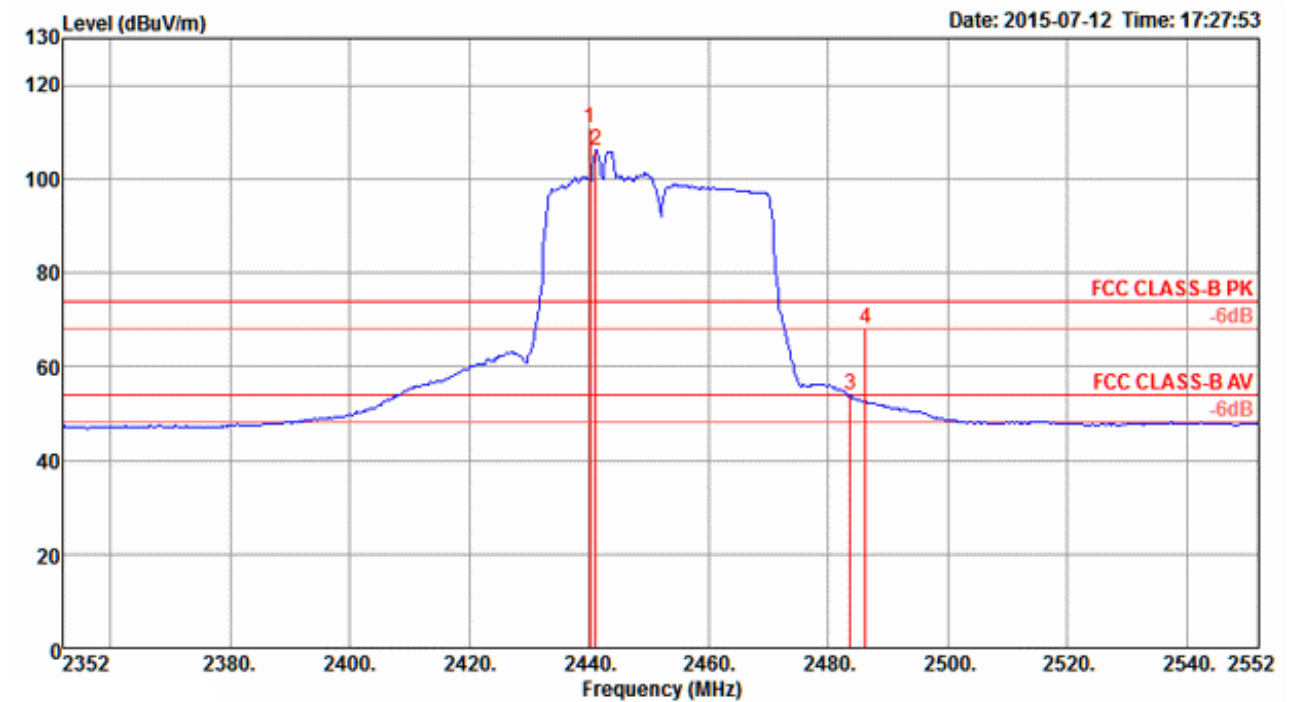
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2388.60	66.71	74.00	-7.29	35.71	2.86	28.14	0.00	309	192 Peak	HORIZONTAL
2	2390.00	53.81	54.00	-0.19	22.81	2.86	28.14	0.00	309	192 Average	HORIZONTAL
3	2430.59	111.83			80.85	2.88	28.10	0.00	309	192 Peak	HORIZONTAL
4	2433.15	100.87			69.89	2.88	28.10	0.00	309	192 Average	HORIZONTAL
5	2483.82	59.31	74.00	-14.69	28.38	2.91	28.02	0.00	309	192 Peak	HORIZONTAL
6	2484.12	48.15	54.00	-5.85	17.22	2.91	28.02	0.00	309	192 Average	HORIZONTAL

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

Channel 9



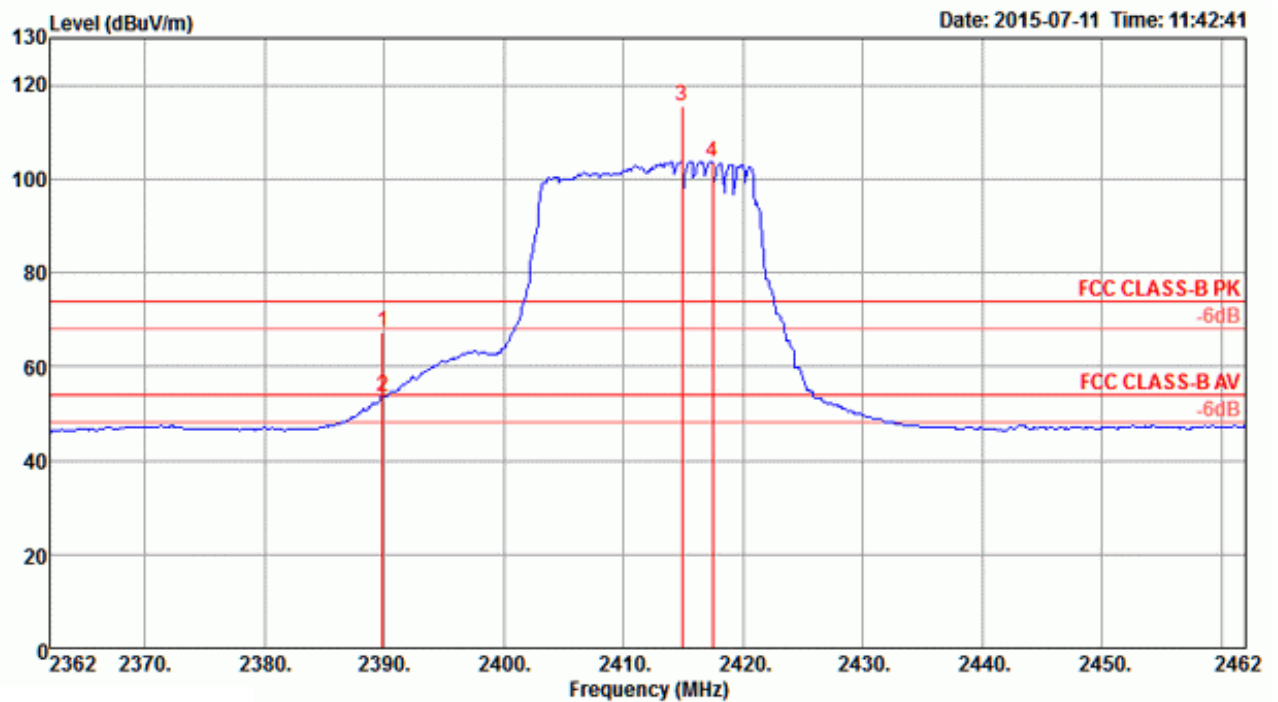
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2440.14	110.65			79.69	2.89	28.07	0.00	312	222 Peak	HORIZONTAL
2	2441.10	106.05			75.09	2.89	28.07	0.00	312	222 Average	HORIZONTAL
3	2483.73	53.94	54.00	-0.06	23.01	2.91	28.02	0.00	312	222 Average	HORIZONTAL
4	2486.30	68.16	74.00	-5.84	37.23	2.91	28.02	0.00	312	222 Peak	HORIZONTAL

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

<For Radio 1 Beamforming Mode>: 3TX, 1S

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3
Test date	Jul. 11 2015		

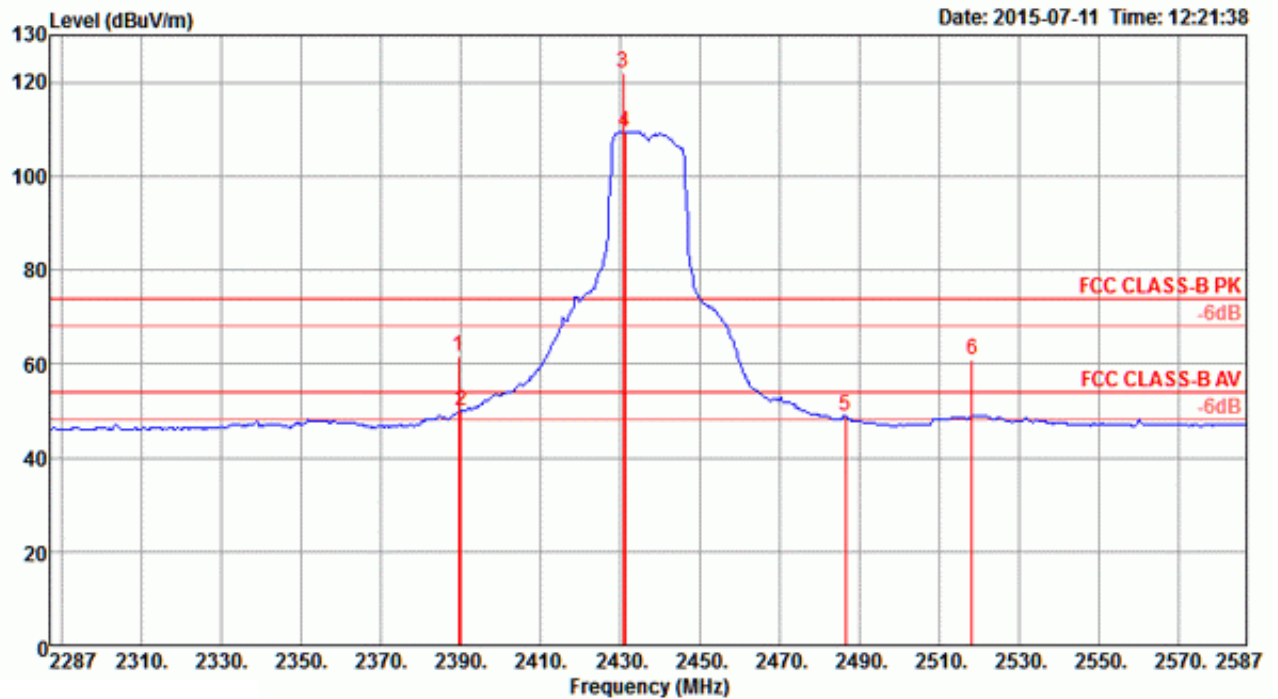
Channel 1



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2389.84	67.25	74.00	-6.75	36.25	2.86	28.14	0.00	303	210 Peak	HORIZONTAL
2	2389.84	53.62	54.00	-0.38	22.62	2.86	28.14	0.00	303	210 Average	HORIZONTAL
3	2414.89	115.39			84.40	2.87	28.12	0.00	303	210 Peak	HORIZONTAL
4	2417.45	103.69			72.70	2.87	28.12	0.00	303	210 Average	HORIZONTAL

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

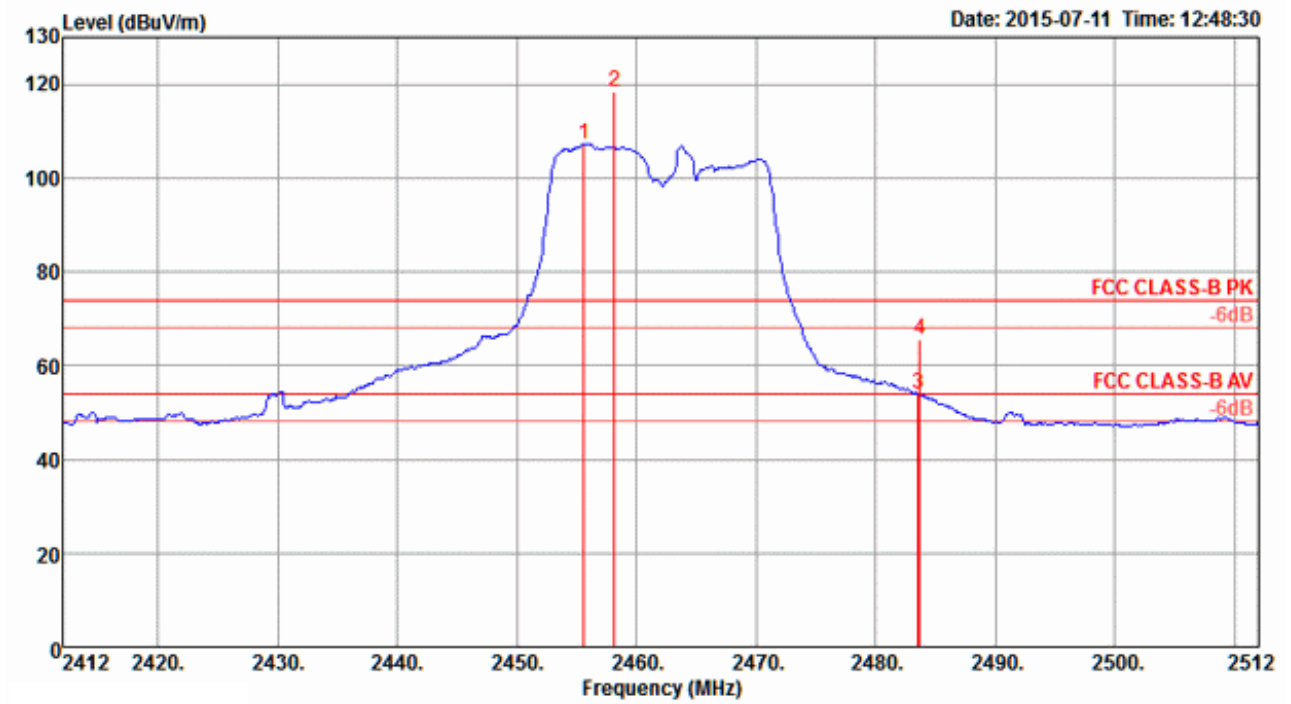
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2389.40	61.50	74.00	-12.50	30.50	2.86	28.14	0.00	59	229 Peak	HORIZONTAL
2	2390.00	49.90	54.00	-4.10	18.90	2.86	28.14	0.00	59	229 Average	HORIZONTAL
3	2430.75	122.02			91.04	2.88	28.10	0.00	59	229 Peak	HORIZONTAL
4	2431.23	109.50			78.52	2.88	28.10	0.00	59	229 Average	HORIZONTAL
5	2486.39	48.94	54.00	-5.06	18.01	2.91	28.02	0.00	59	229 Average	HORIZONTAL
6	2518.25	60.83	74.00	-13.17	29.86	2.93	28.04	0.00	59	229 Peak	HORIZONTAL

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

Channel 11

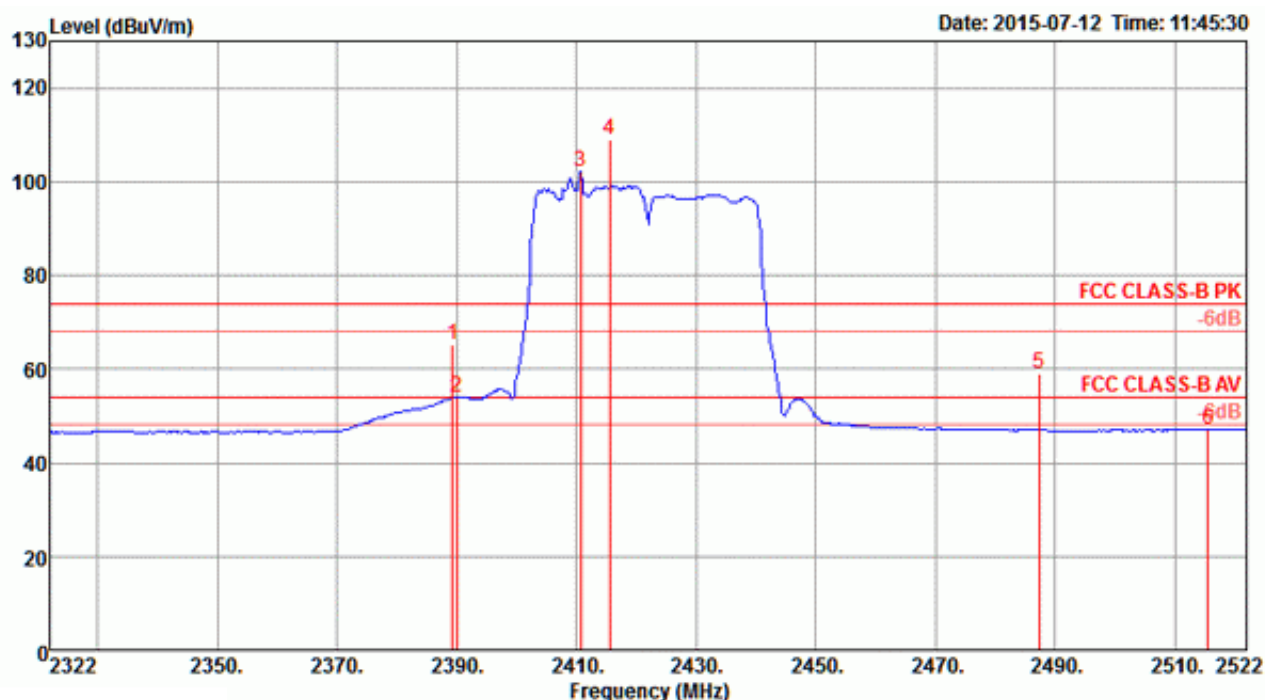


	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2455.59	107.35			76.40	2.90	28.05	0.00	308	190	Average	HORIZONTAL
2	2458.15	118.36			87.41	2.90	28.05	0.00	308	190	Peak	HORIZONTAL
3	2483.50	53.80	54.00	-0.20	22.87	2.91	28.02	0.00	308	190	Average	HORIZONTAL
4	2483.66	65.40	74.00	-8.60	34.47	2.91	28.02	0.00	308	190	Peak	HORIZONTAL

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3
Test date	Jul. 11, 2015		

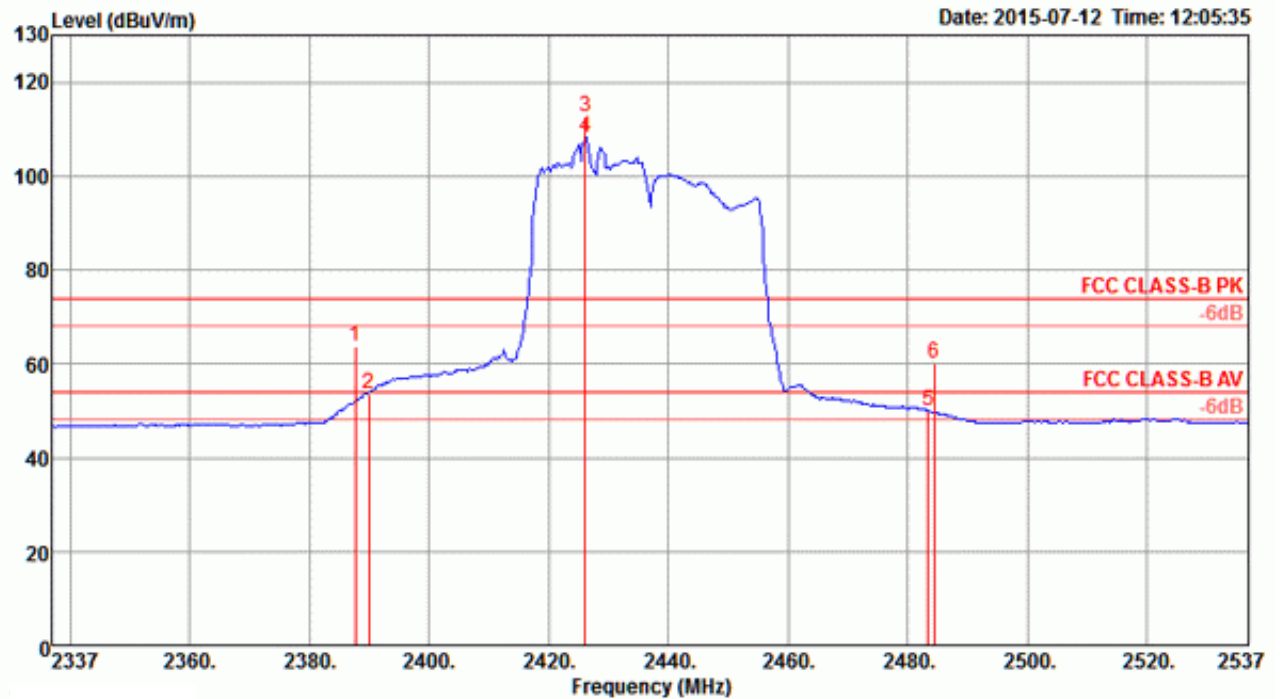
Channel 3



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2389.31	65.35	74.00	-8.65	34.35	2.86	28.14	0.00	304	190 Peak	HORIZONTAL
2	2390.00	53.89	54.00	-0.11	22.89	2.86	28.14	0.00	304	190 Average	HORIZONTAL
3	2410.78	102.18			71.19	2.87	28.12	0.00	304	190 Average	HORIZONTAL
4	2415.59	109.08			78.09	2.87	28.12	0.00	304	190 Peak	HORIZONTAL
5	2487.39	59.18	74.00	-14.82	28.25	2.91	28.02	0.00	304	190 Peak	HORIZONTAL
6	2515.59	47.21	54.00	-6.79	16.24	2.93	28.04	0.00	304	190 Average	HORIZONTAL

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

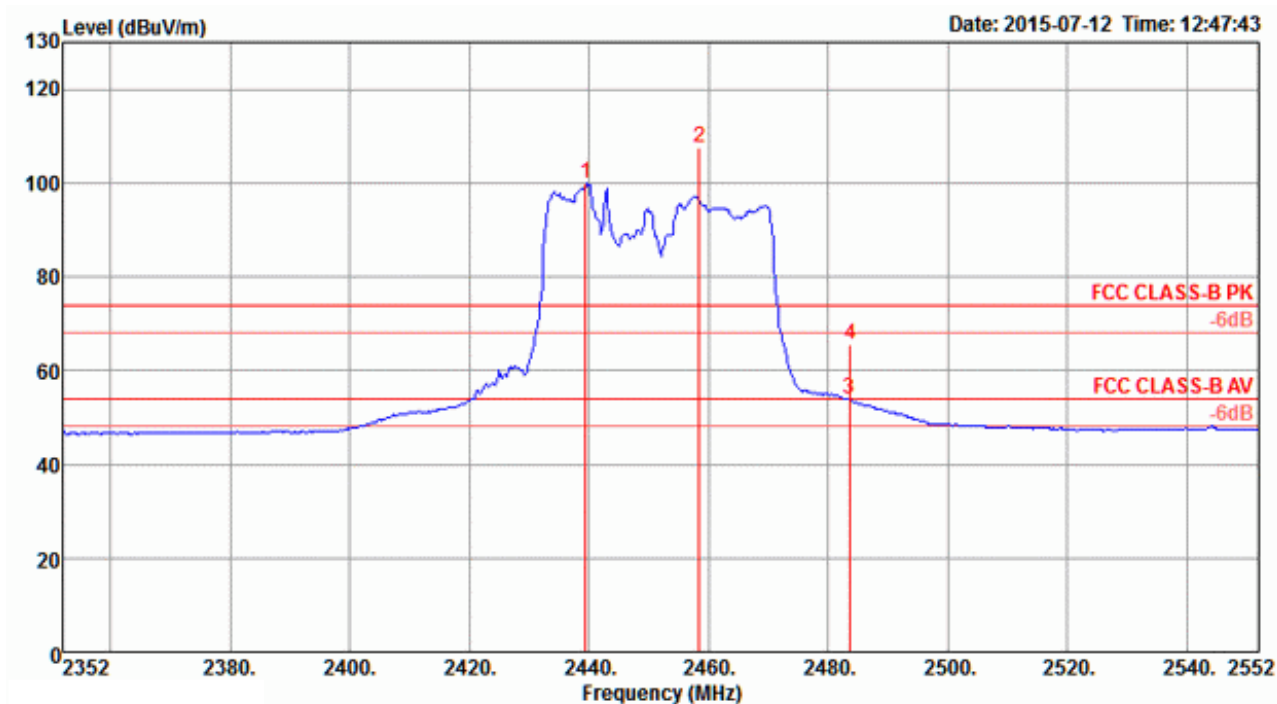
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2387.64	63.67	74.00	-10.33	32.67	2.86	28.14	0.00	51	195 Peak	HORIZONTAL
2	2390.00	53.75	54.00	-0.25	22.75	2.86	28.14	0.00	51	195 Average	HORIZONTAL
3	2426.10	112.68			81.70	2.88	28.10	0.00	51	195 Peak	HORIZONTAL
4	2426.10	108.11			77.13	2.88	28.10	0.00	51	195 Average	HORIZONTAL
5	2483.50	49.98	54.00	-4.02	19.05	2.91	28.02	0.00	51	195 Average	HORIZONTAL
6	2484.44	60.11	74.00	-13.89	29.18	2.91	28.02	0.00	51	195 Peak	HORIZONTAL

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

Channel 9



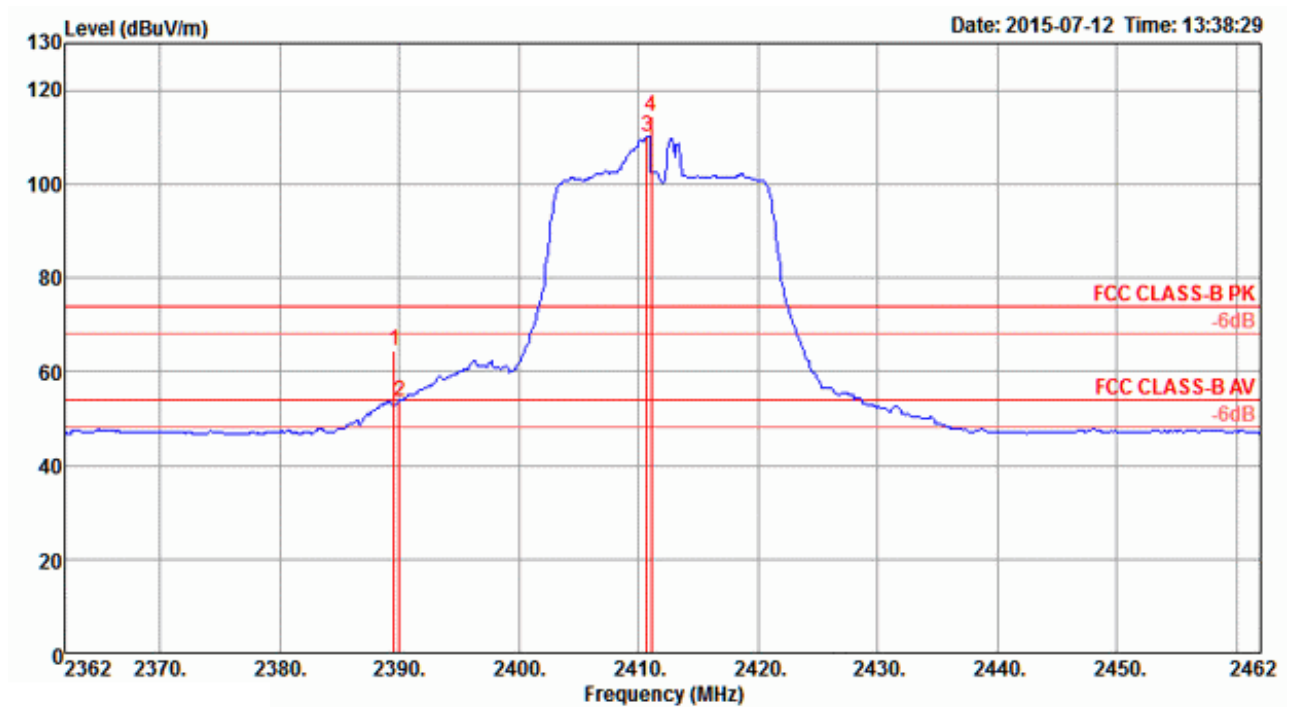
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2439.50	99.81			68.85	2.89	28.07	0.00	57	124 Average	HORIZONTAL
2	2458.41	107.67			76.72	2.90	28.05	0.00	57	124 Peak	HORIZONTAL
3	2483.50	53.83	54.00	-0.17	22.90	2.91	28.02	0.00	57	124 Average	HORIZONTAL
4	2483.73	65.53	74.00	-8.47	34.60	2.91	28.02	0.00	57	124 Peak	HORIZONTAL

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

<For Radio 1 Beamforming Mode>: 3TX, 2S

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 1, 6, 11 / Chain 1 + Chain 2 + Chain 3

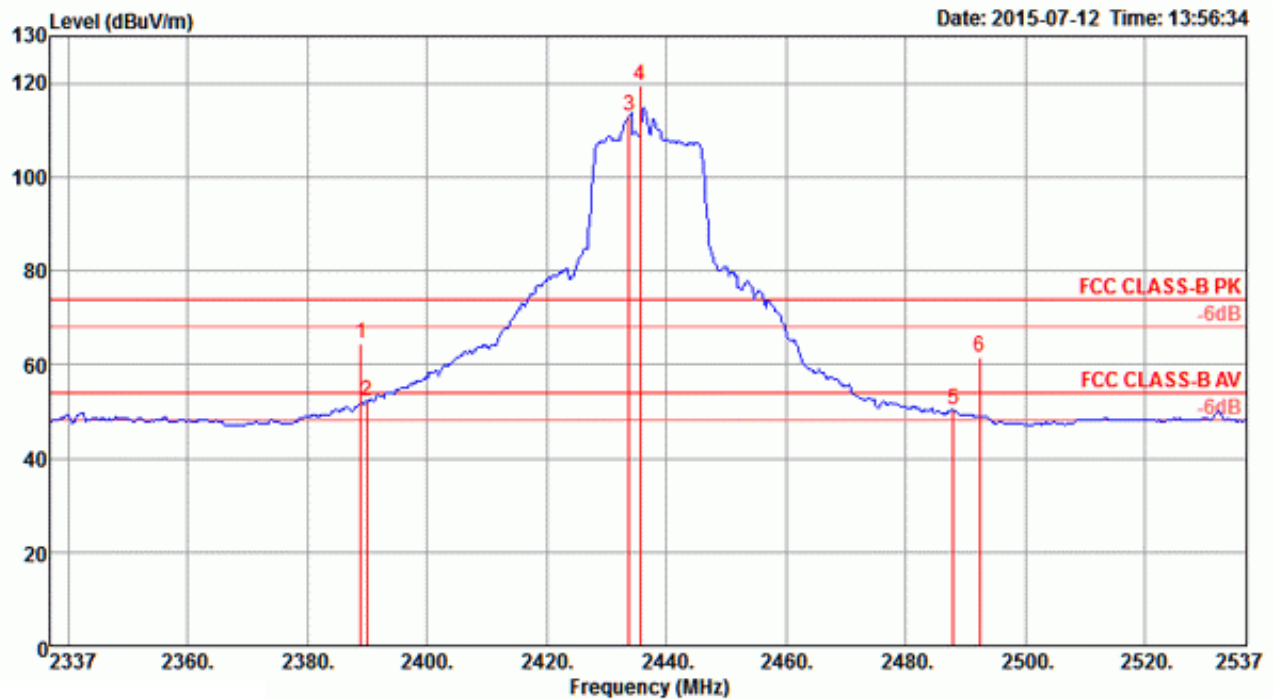
Channel 1



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2389.56	64.56	74.00	-9.44	33.56	2.86	28.14	0.00	67	197 Peak	HORIZONTAL
2	2390.00	53.75	54.00	-0.25	22.75	2.86	28.14	0.00	67	197 Average	HORIZONTAL
3	2410.72	110.13			79.14	2.87	28.12	0.00	67	197 Average	HORIZONTAL
4	2411.04	114.31			83.32	2.87	28.12	0.00	67	197 Peak	HORIZONTAL

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

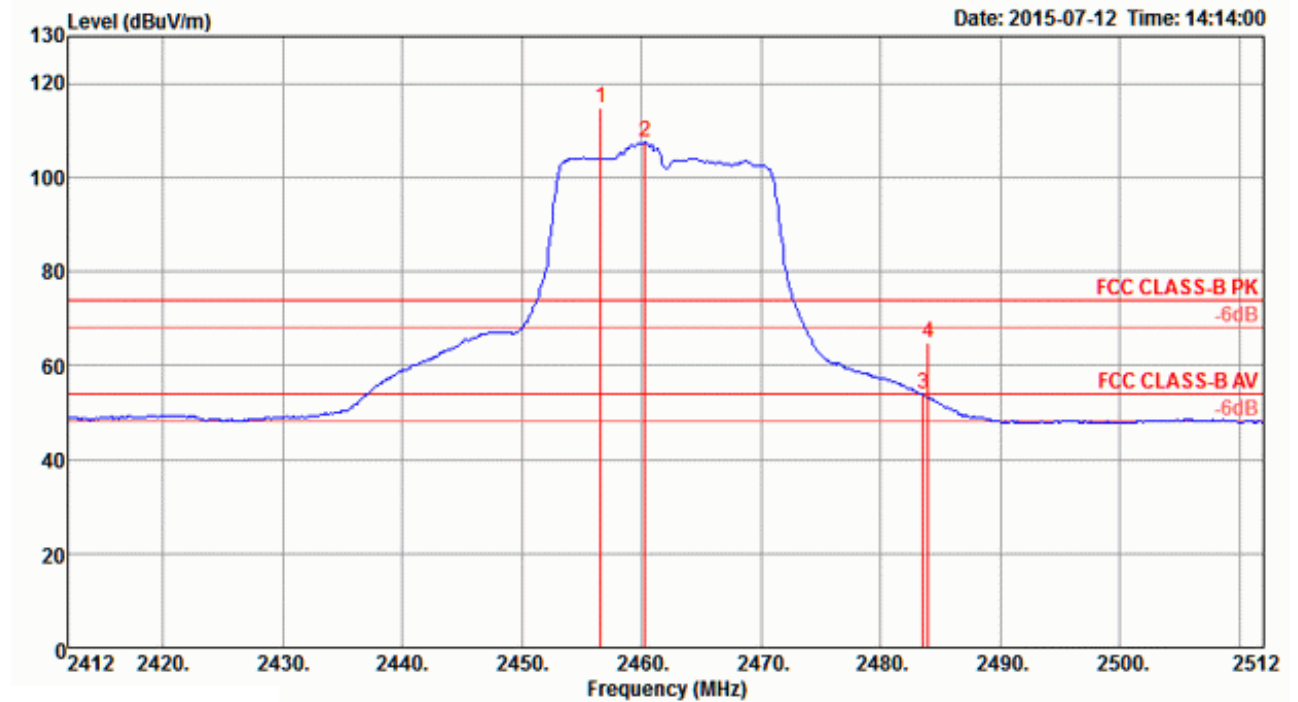
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2388.92	64.28	74.00	-9.72	33.28	2.86	28.14	0.00	300	192 Peak	HORIZONTAL
2	2390.00	51.96	54.00	-2.04	20.96	2.86	28.14	0.00	300	192 Average	HORIZONTAL
3	2433.80	113.13			82.15	2.88	28.10	0.00	300	192 Average	HORIZONTAL
4	2435.72	119.45			88.47	2.88	28.10	0.00	300	192 Peak	HORIZONTAL
5	2487.96	50.16	54.00	-3.84	19.24	2.92	28.00	0.00	300	192 Average	HORIZONTAL
6	2492.45	61.56	74.00	-12.44	30.64	2.92	28.00	0.00	300	192 Peak	HORIZONTAL

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

Channel 11

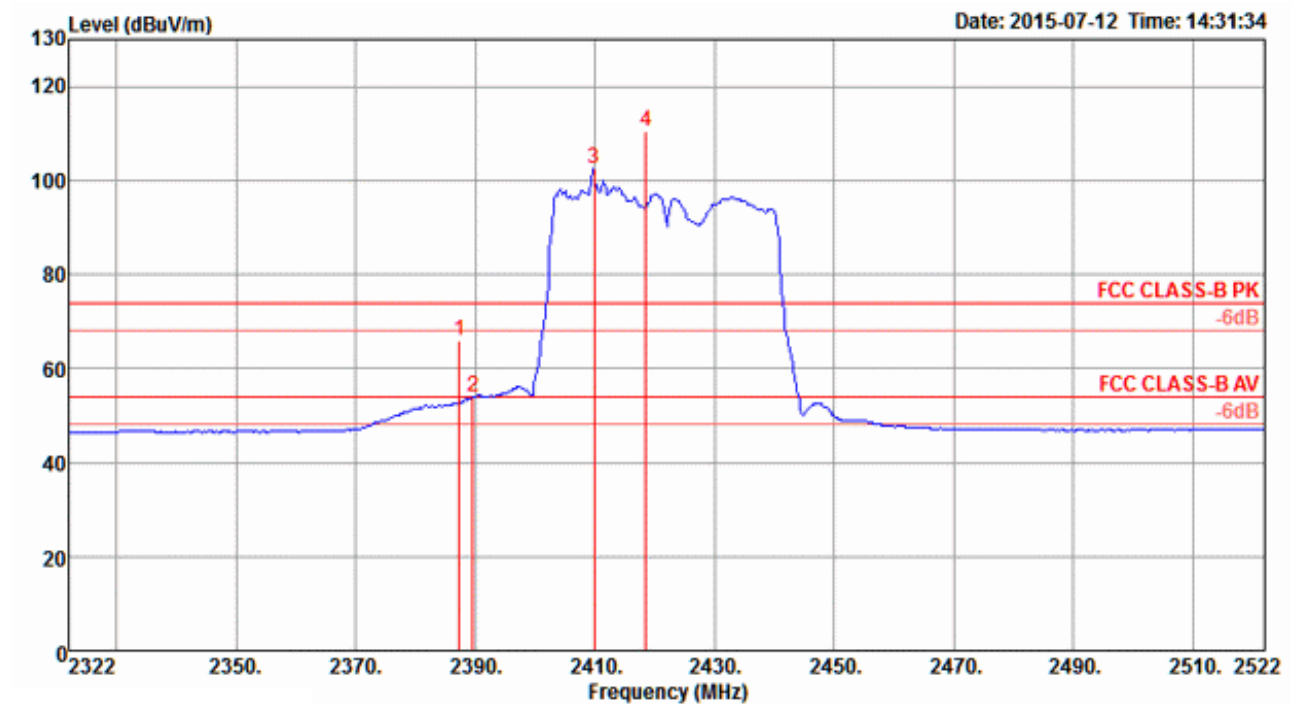


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2456.55	114.97			84.02	2.90	28.05	0.00	313	190 Peak	HORIZONTAL
2	2460.24	107.43			76.48	2.90	28.05	0.00	313	190 Average	HORIZONTAL
3	2483.50	53.93	54.00	-0.07	23.00	2.91	28.02	0.00	313	190 Average	HORIZONTAL
4	2483.96	64.79	74.00	-9.21	33.86	2.91	28.02	0.00	313	190 Peak	HORIZONTAL

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 3, 6, 9 / Chain 1 + Chain 2 + Chain 3

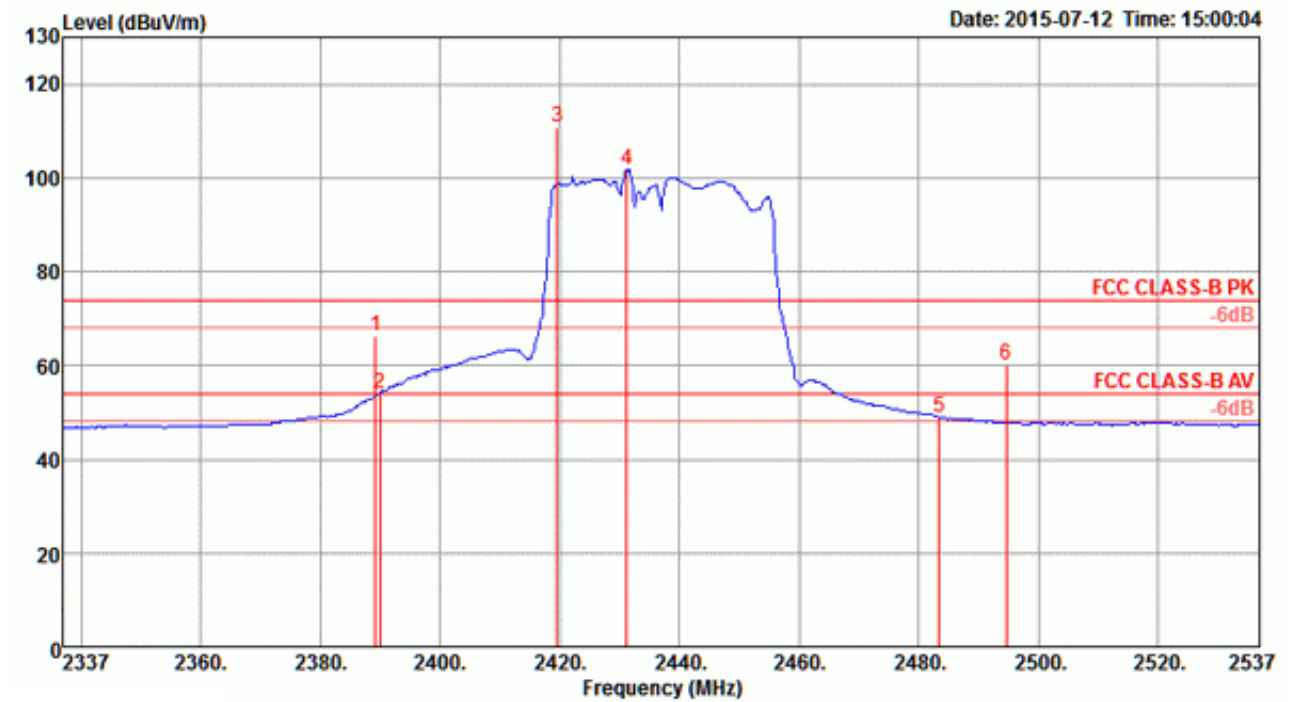
Channel 3



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2387.39	65.78	74.00	-8.22	34.78	2.86	28.14	0.00	311	191 Peak	HORIZONTAL
2	2389.63	53.81	54.00	-0.19	22.81	2.86	28.14	0.00	311	191 Average	HORIZONTAL
3	2409.82	102.50			71.51	2.87	28.12	0.00	311	191 Average	HORIZONTAL
4	2418.47	110.49			79.50	2.87	28.12	0.00	311	191 Peak	HORIZONTAL

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

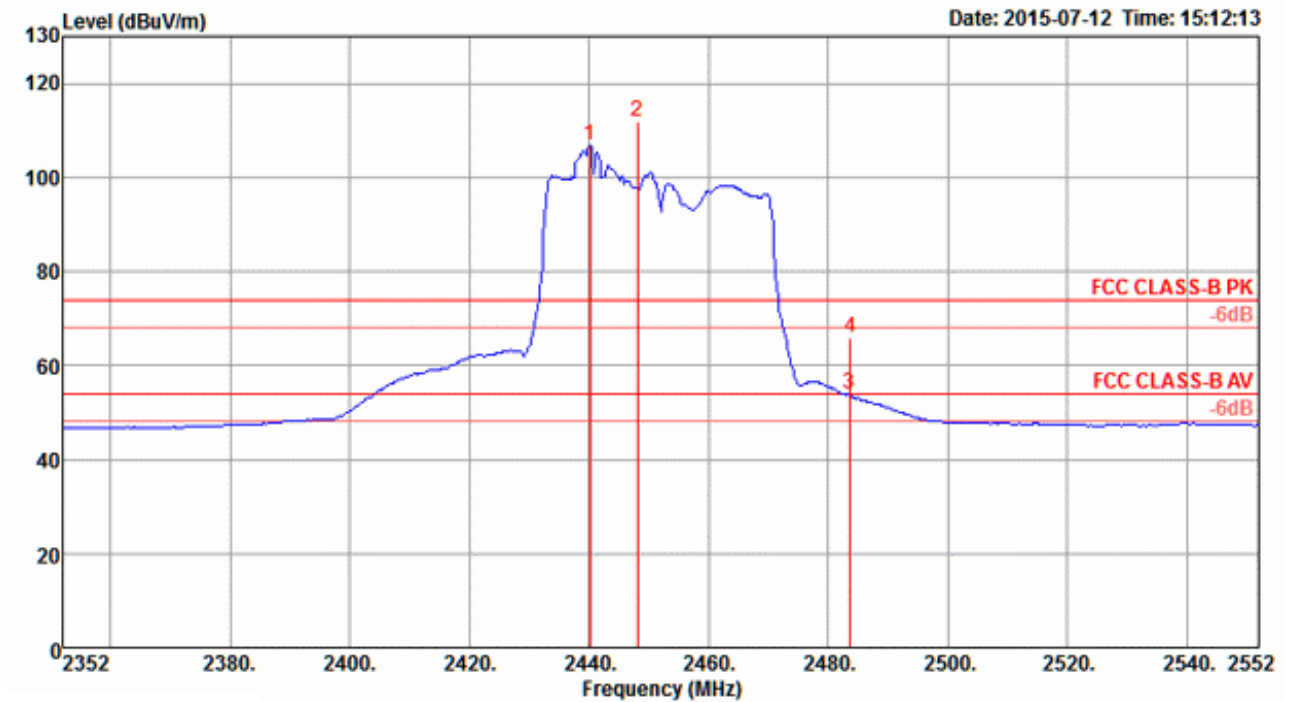
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2389.24	66.14	74.00	-7.86	35.14	2.86	28.14	0.00	310	193 Peak	HORIZONTAL
2	2390.00	53.92	54.00	-0.08	22.92	2.86	28.14	0.00	310	193 Average	HORIZONTAL
3	2419.69	110.69			79.71	2.88	28.10	0.00	310	193 Peak	HORIZONTAL
4	2431.23	101.85			70.87	2.88	28.10	0.00	310	193 Average	HORIZONTAL
5	2483.50	48.98	54.00	-5.02	18.05	2.91	28.02	0.00	310	193 Average	HORIZONTAL
6	2494.69	60.28	74.00	-13.72	29.36	2.92	28.00	0.00	310	193 Peak	HORIZONTAL

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

Channel 9



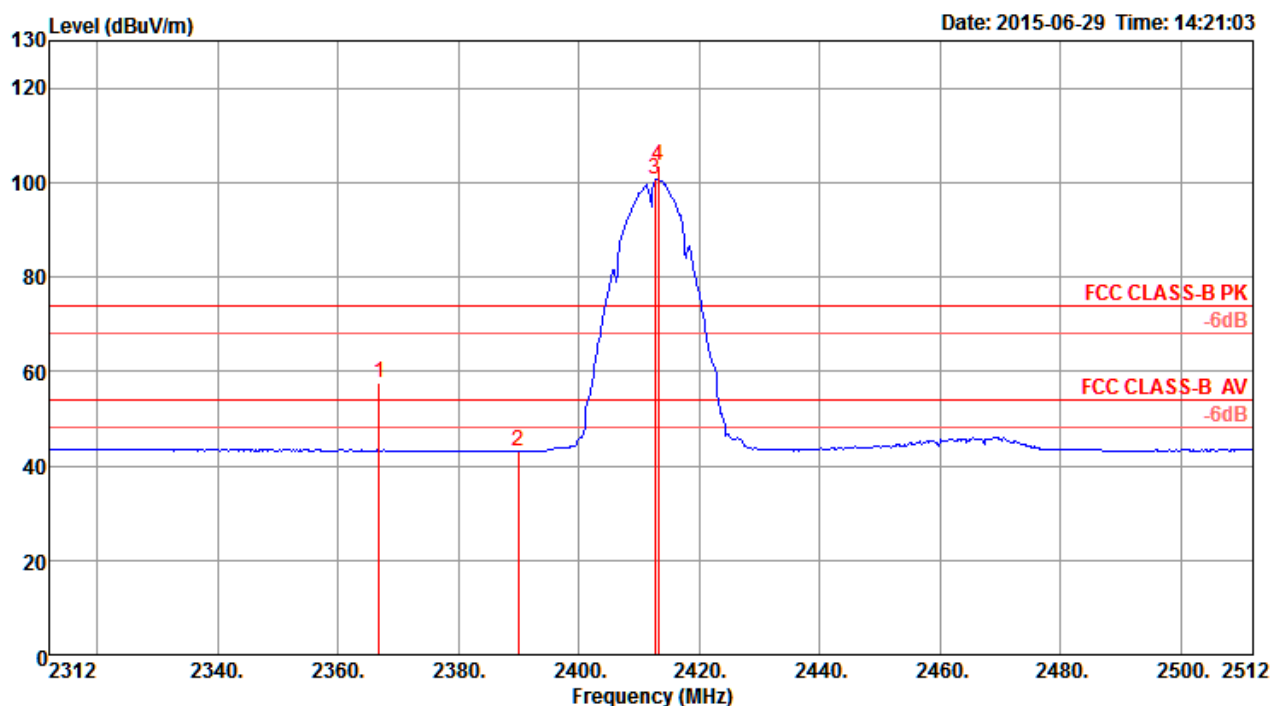
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	2440.14	106.77			75.81	2.89	28.07	0.00	319	190 Average	HORIZONTAL
2	2448.15	111.89			80.93	2.89	28.07	0.00	319	190 Peak	HORIZONTAL
3	2483.50	53.95	54.00	-0.05	23.02	2.91	28.02	0.00	319	190 Average	HORIZONTAL
4	2483.73	66.02	74.00	-7.98	35.09	2.91	28.02	0.00	319	190 Peak	HORIZONTAL

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

<For Radio 3>

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11b CH 1, 6, 11 / Chain 7

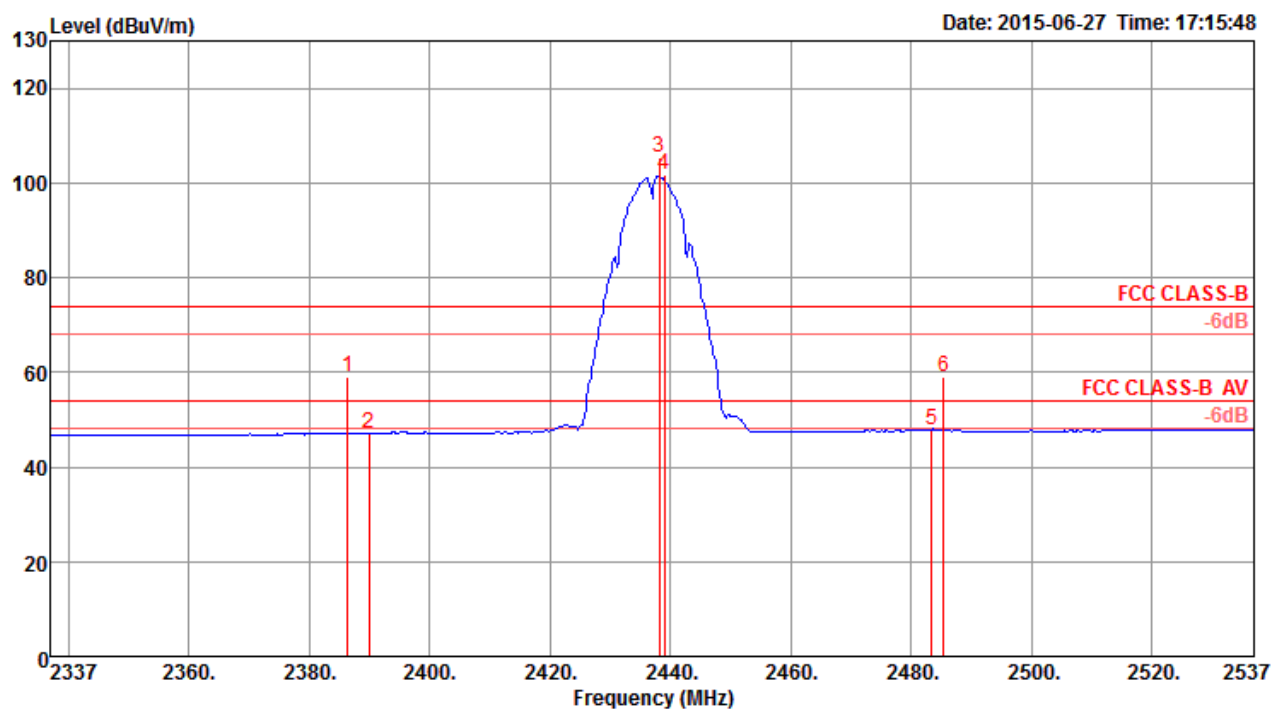
Channel 1



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	deg	cm		
1	2366.85	57.73	74.00	-16.27	26.71	2.83	28.19	0.00	200	100	Peak	HORIZONTAL
2	2390.00	43.24	54.00	-10.76	12.24	2.86	28.14	0.00	200	100	Average	HORIZONTAL
3	2412.58	100.73			69.74	2.87	28.12	0.00	200	100	Average	HORIZONTAL
4	2413.16	103.54			72.55	2.87	28.12	0.00	200	100	Peak	HORIZONTAL

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

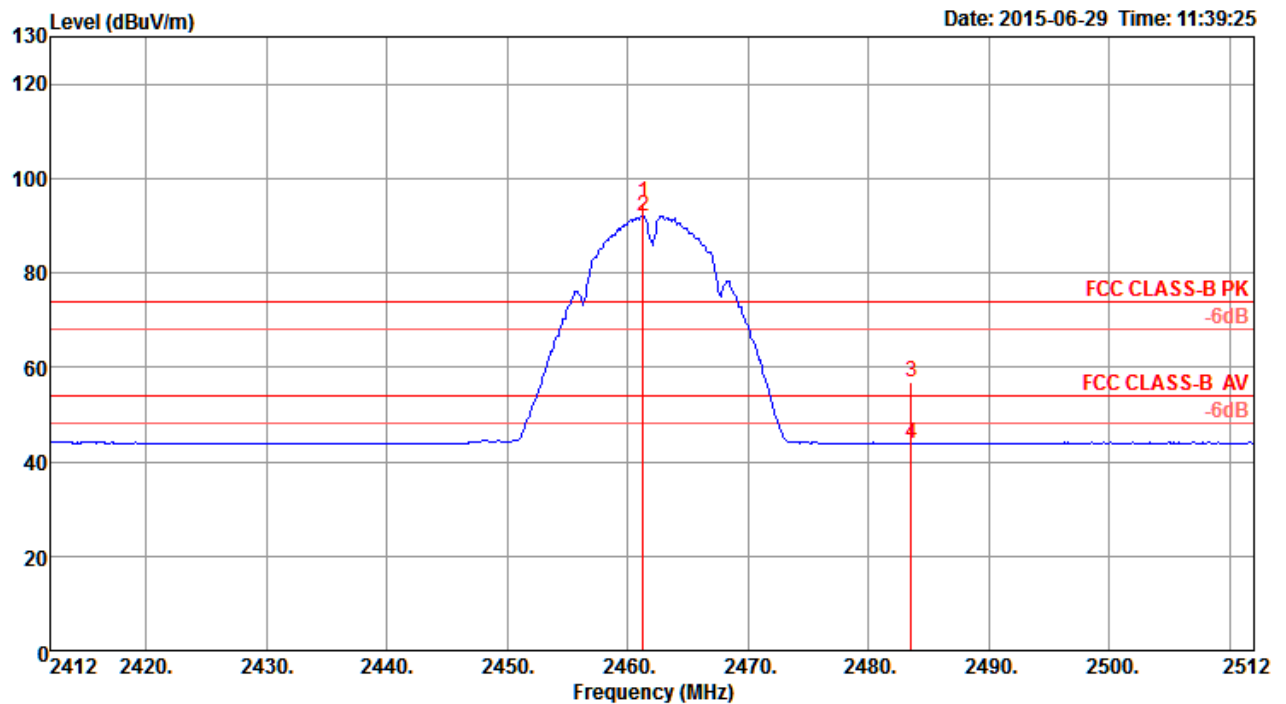
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp			A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	Remark	cm	deg	
1	2386.47	59.12	74.00	-14.88	26.82	4.09	28.21	0.00	Peak	116	18	HORIZONTAL
2	2390.00	47.07	54.00	-6.93	14.77	4.09	28.21	0.00	Average	40	18	HORIZONTAL
3	2438.14	105.48			73.04	4.13	28.31	0.00	Peak	116	18	HORIZONTAL
4	2439.00	101.86			69.42	4.13	28.31	0.00	Average	116	18	HORIZONTAL
5	2483.50	47.82	54.00	-6.18	15.29	4.16	28.37	0.00	Average	116	18	HORIZONTAL
6	2485.42	59.01	74.00	-14.99	26.48	4.16	28.37	0.00	Peak	116	18	HORIZONTAL

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

Channel 11

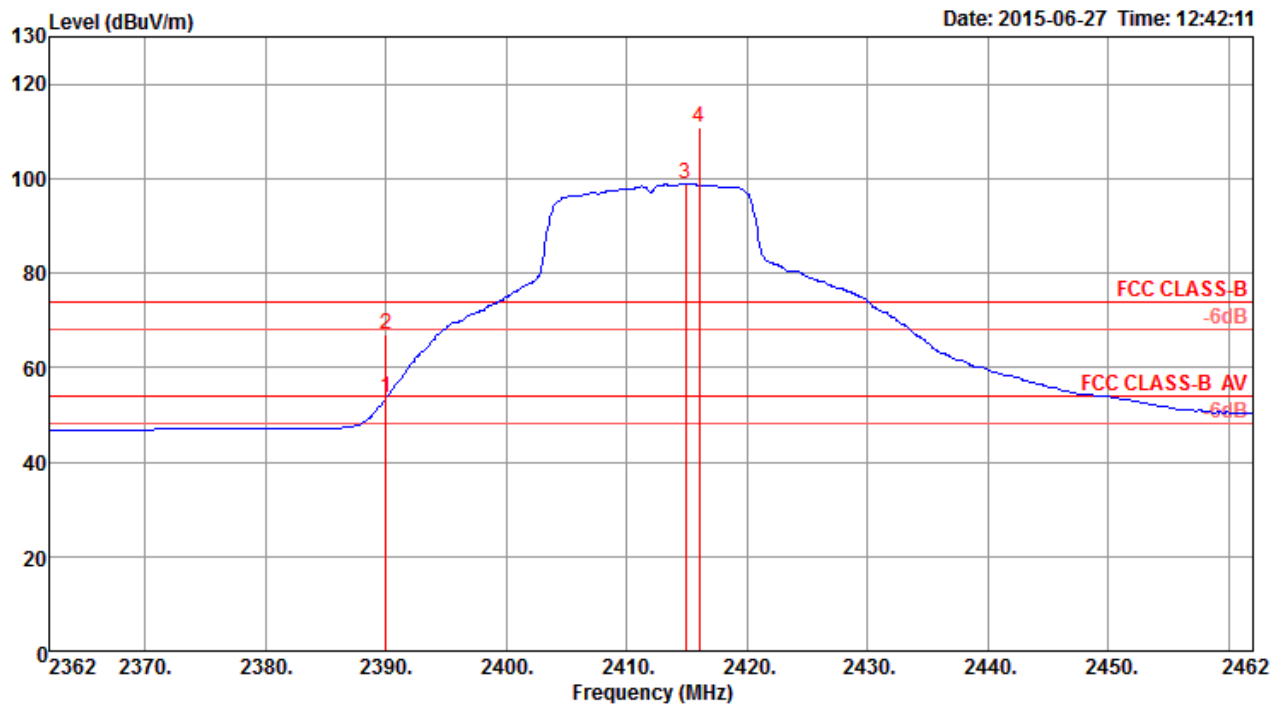


	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2461.28	94.71			63.76	2.90	28.05	0.00	33	117	Peak	VERTICAL
2	2461.28	92.08			61.13	2.90	28.05	0.00	33	117	Average	VERTICAL
3	2483.50	56.71	74.00	-17.29	25.78	2.91	28.02	0.00	33	117	Peak	VERTICAL
4	2483.50	43.80	54.00	-10.20	12.87	2.91	28.02	0.00	33	117	Average	VERTICAL

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11g CH 1, 6, 11 / Chain 7

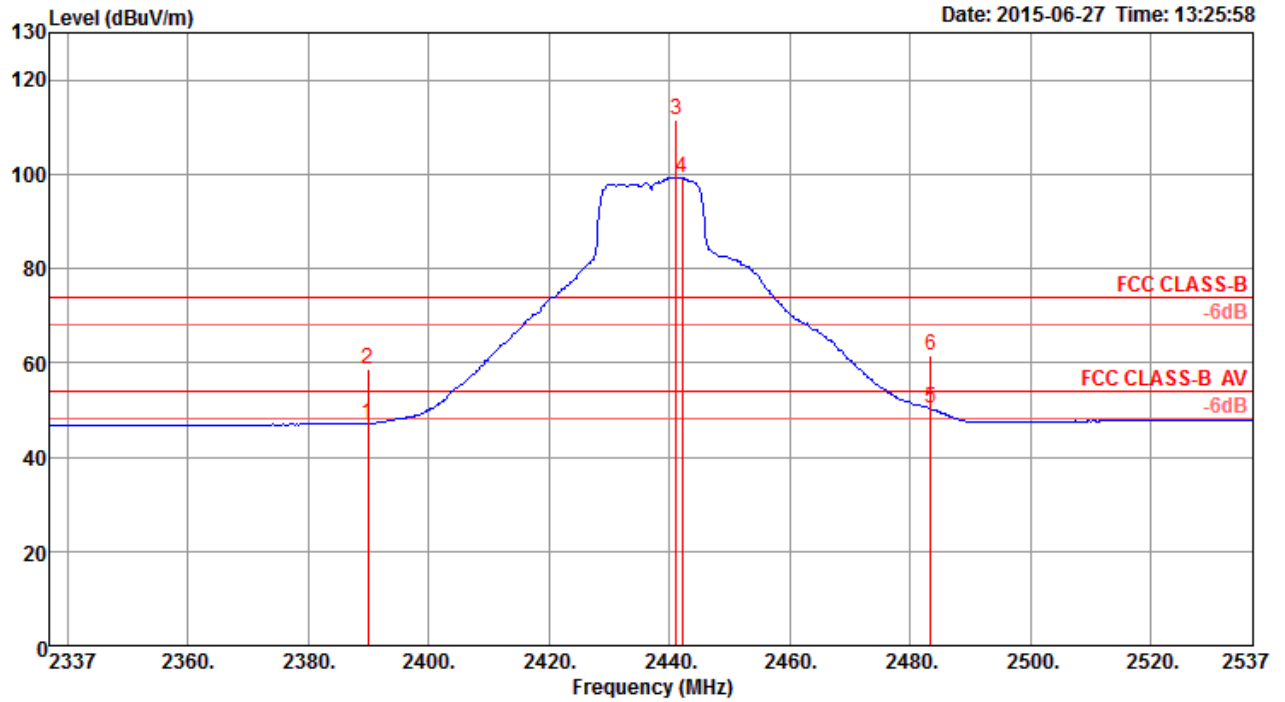
Channel 1



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2390.00	53.50	54.00	-0.50	21.20	4.09	28.21	0.00	Average	115	26	HORIZONTAL
2	2390.00	66.98	74.00	-7.02	34.68	4.09	28.21	0.00	Peak	115	26	HORIZONTAL
3	2414.89	98.93			66.58	4.11	28.24	0.00	Average	115	26	HORIZONTAL
4	2416.01	110.91			78.56	4.11	28.24	0.00	Peak	115	26	HORIZONTAL

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

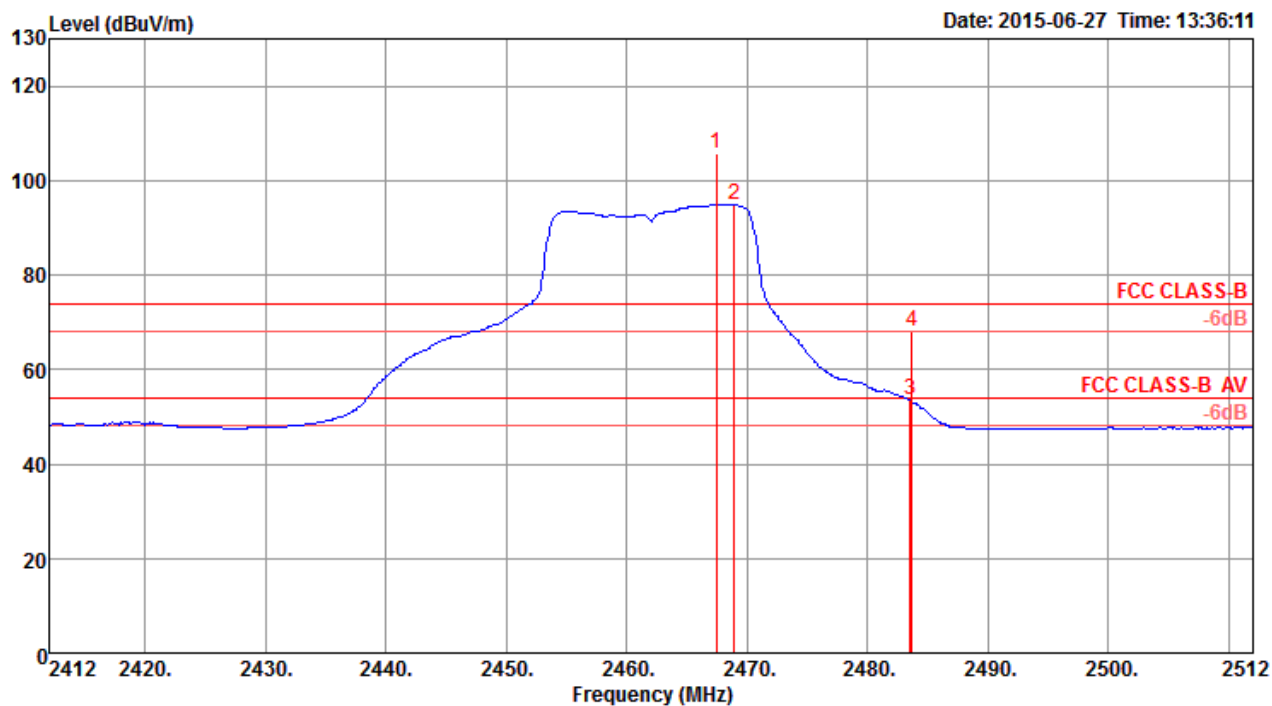
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	Pol/Phase
1	2390.00	47.13	54.00	-6.87	14.83	4.09	28.21	0.00	131	16	HORIZONTAL
2	2390.00	58.75	74.00	-15.25	26.45	4.09	28.21	0.00	131	16	HORIZONTAL
3	2441.17	111.52			79.08	4.13	28.31	0.00	131	16	HORIZONTAL
4	2442.21	99.14			66.70	4.13	28.31	0.00	131	16	HORIZONTAL
5	2483.50	50.16	54.00	-3.84	17.63	4.16	28.37	0.00	131	16	HORIZONTAL
6	2483.50	61.42	74.00	-12.58	28.89	4.16	28.37	0.00	131	16	HORIZONTAL

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

Channel 11

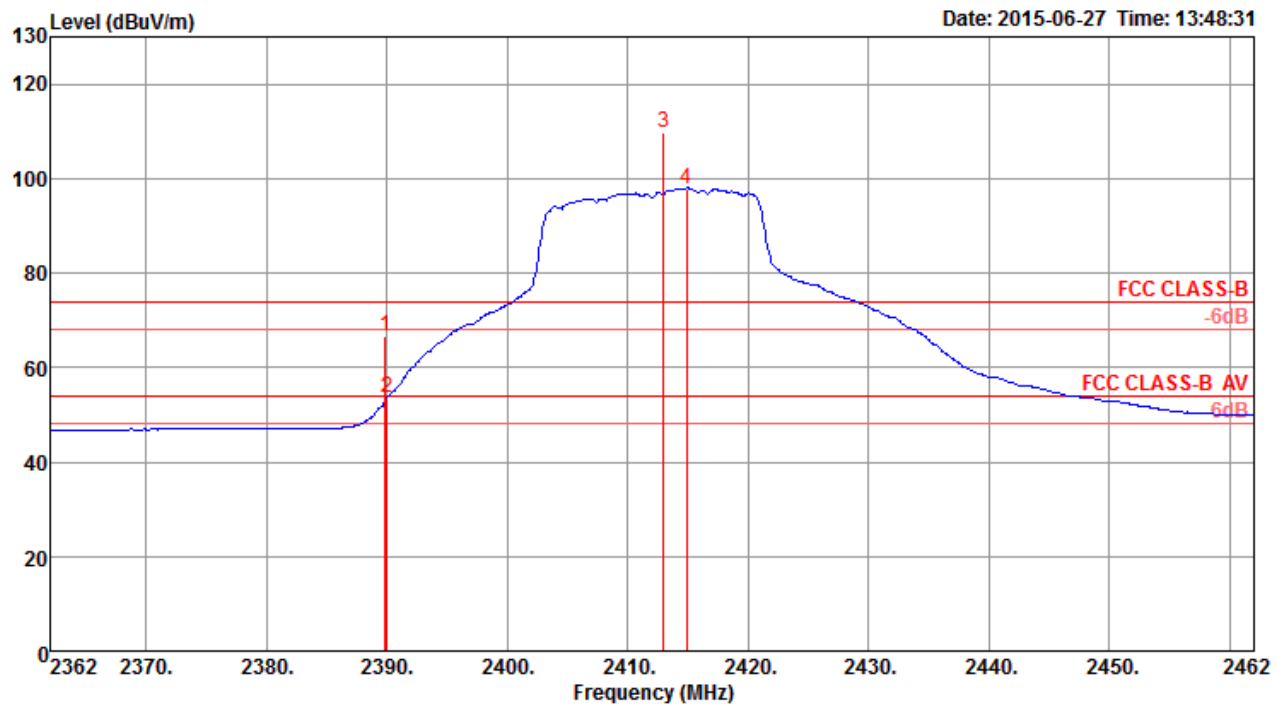


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2467.45	105.91			73.43	4.14	28.34	0.00	138	12	HORIZONTAL
2	2468.89	94.88			62.40	4.14	28.34	0.00	138	12	HORIZONTAL
3	2483.50	53.60	54.00	-0.40	21.07	4.16	28.37	0.00	138	12	HORIZONTAL
4	2483.66	67.97	74.00	-6.03	35.44	4.16	28.37	0.00	138	12	HORIZONTAL

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 1, 6, 11 / Chain 7

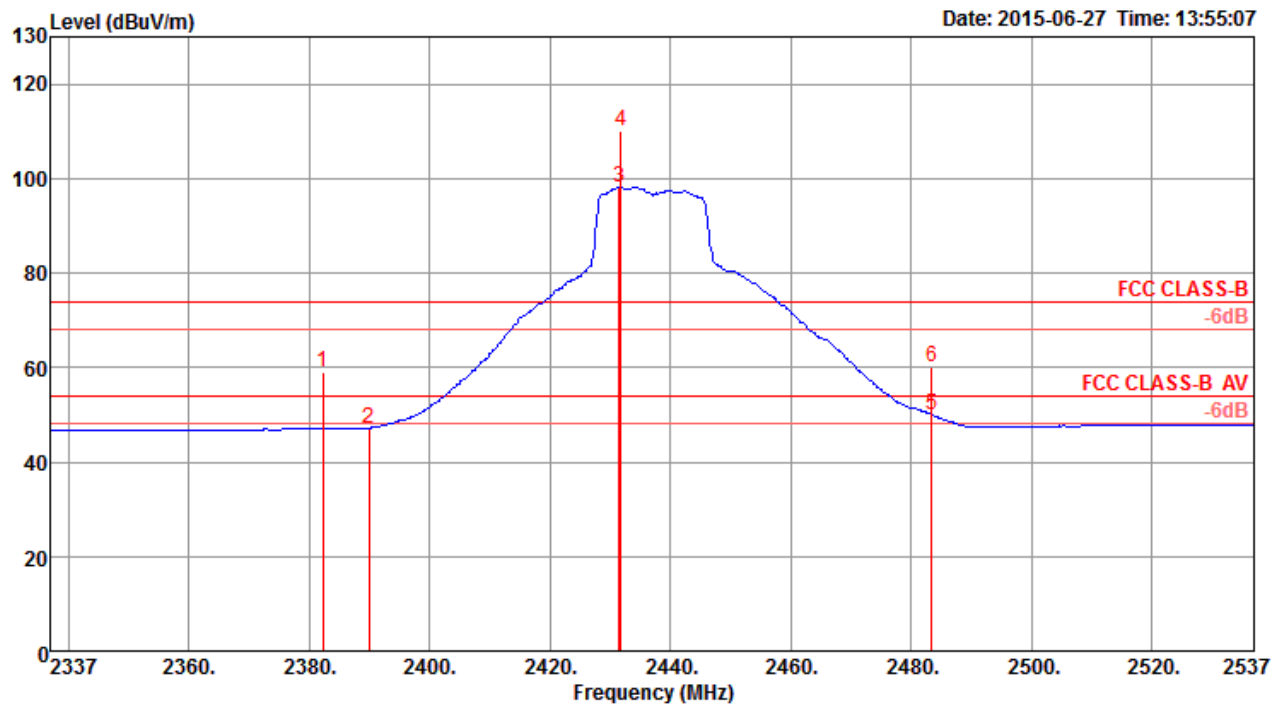
Channel 1



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	2389.84	66.46	74.00	-7.54	34.16	4.09	28.21	0.00	Peak	117	25	HORIZONTAL
2	2390.00	53.59	54.00	-0.41	21.29	4.09	28.21	0.00	Average	117	25	HORIZONTAL
3	2412.96	109.84			77.49	4.11	28.24	0.00	Peak	117	25	HORIZONTAL
4	2414.89	97.87			65.52	4.11	28.24	0.00	Average	117	25	HORIZONTAL

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

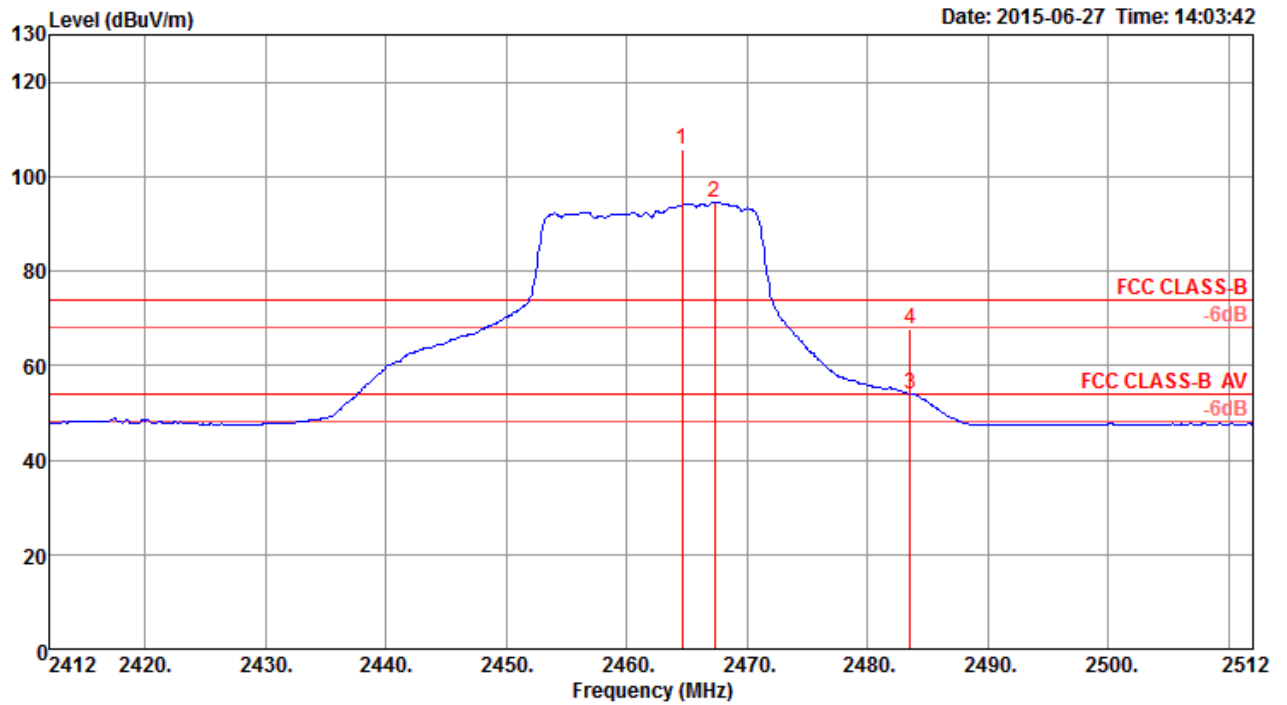
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2382.31	58.96	74.00	-15.04	26.70	4.08	28.18	0.00	112	38	HORIZONTAL
2	2390.00	47.18	54.00	-6.82	14.88	4.09	28.21	0.00	112	38	HORIZONTAL
3	2431.55	98.18			65.78	4.12	28.28	0.00	112	38	HORIZONTAL
4	2431.87	109.95			77.55	4.12	28.28	0.00	112	38	HORIZONTAL

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

Channel 11

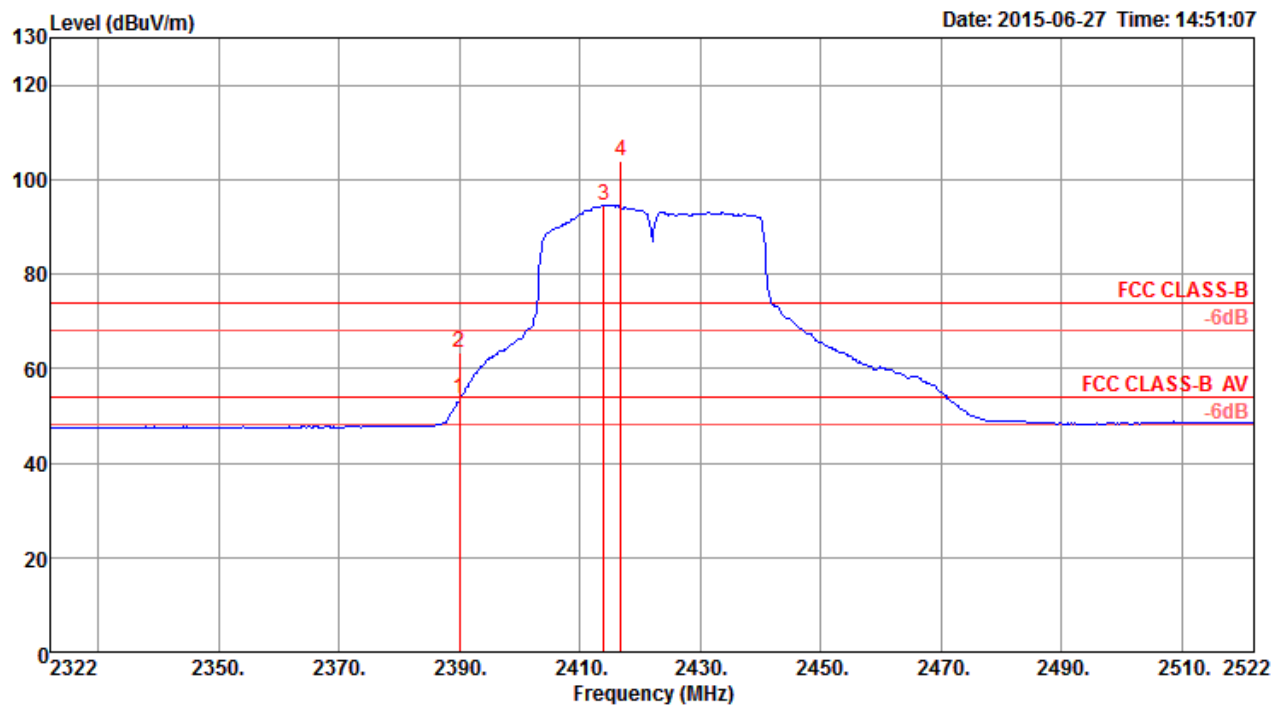


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2464.56	105.76			73.28	4.14	28.34	0.00	170	30	HORIZONTAL
2	2467.29	94.58			62.10	4.14	28.34	0.00	170	30	HORIZONTAL
3	2483.50	53.97	54.00	-0.03	21.44	4.16	28.37	0.00	170	30	HORIZONTAL
4	2483.50	67.70	74.00	-6.30	35.17	4.16	28.37	0.00	170	30	HORIZONTAL

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 3, 6, 9 / Chain 7

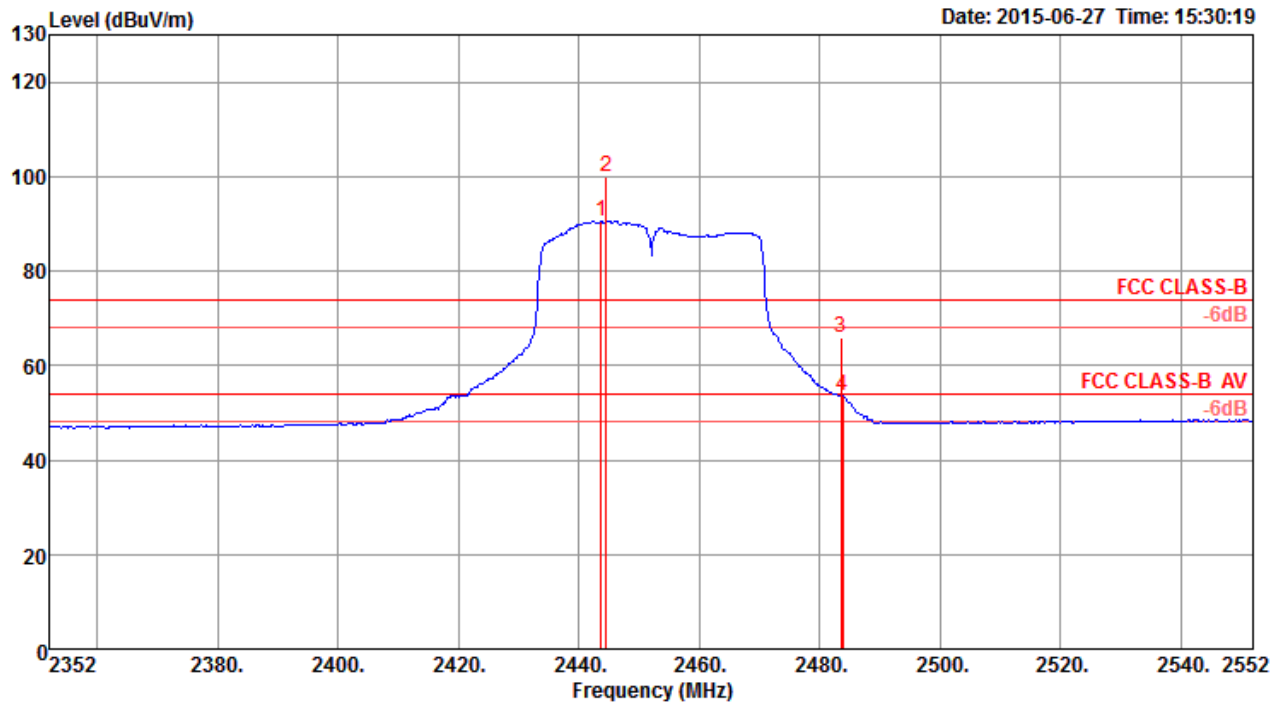
Channel 3



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2390.00	53.58	54.00	-0.42	21.28	4.09	28.21	0.00	113	22	HORIZONTAL
2	2390.00	63.37	74.00	-10.63	31.07	4.09	28.21	0.00	113	22	HORIZONTAL
3	2413.99	94.63			62.28	4.11	28.24	0.00	113	22	HORIZONTAL
4	2416.87	103.77			71.42	4.11	28.24	0.00	113	22	HORIZONTAL

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

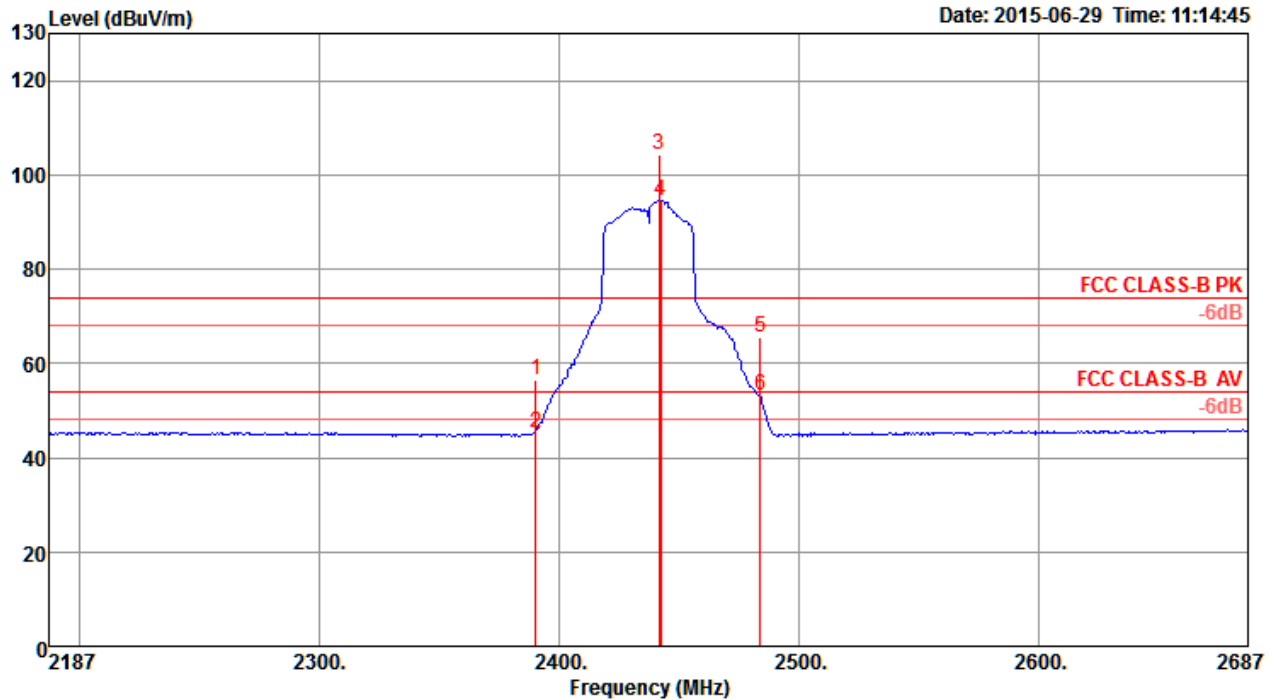
Channel 6



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	2443.71	90.54			58.10	4.13	28.31	0.00 Average	151	18	HORIZONTAL
2	2444.57	99.96			67.52	4.13	28.31	0.00 Peak	151	18	HORIZONTAL
3	2483.50	65.89	74.00	-8.11	33.36	4.16	28.37	0.00 Peak	151	18	HORIZONTAL
4	2483.82	53.52	54.00	-0.48	20.99	4.16	28.37	0.00 Average	151	18	HORIZONTAL

Item 1, 2 are the fundamental frequency at 2437 MHz.

Channel 9



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	2390.00	56.64	74.00	-17.36	25.64	2.86	28.14	0.00	208	117	Peak	HORIZONTAL
2	2390.00	45.44	54.00	-8.56	14.44	2.86	28.14	0.00	208	117	Average	HORIZONTAL
3	2441.34	104.15			73.19	2.89	28.07	0.00	208	117	Peak	HORIZONTAL
4	2442.07	94.64			63.68	2.89	28.07	0.00	208	117	Average	HORIZONTAL
5	2483.50	65.63	74.00	-8.37	34.70	2.91	28.02	0.00	208	117	Peak	HORIZONTAL
6	2483.50	53.14	54.00	-0.86	22.21	2.91	28.02	0.00	208	117	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 2452 MHz.

Note:

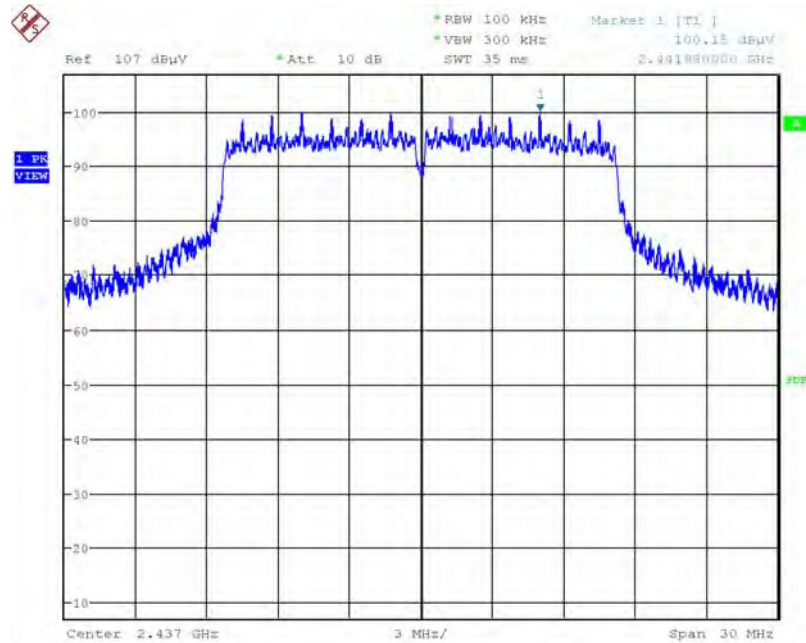
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

For Emission not in Restricted Band

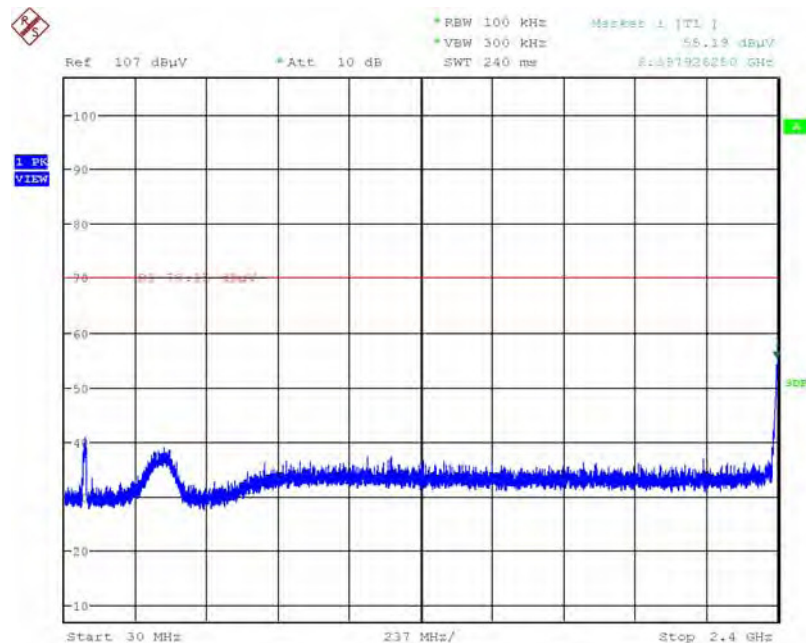
<For Radio 1 Non-beamforming Mode>: 1TX, 1S

Plot on Configuration IEEE 802.11g / Reference Level



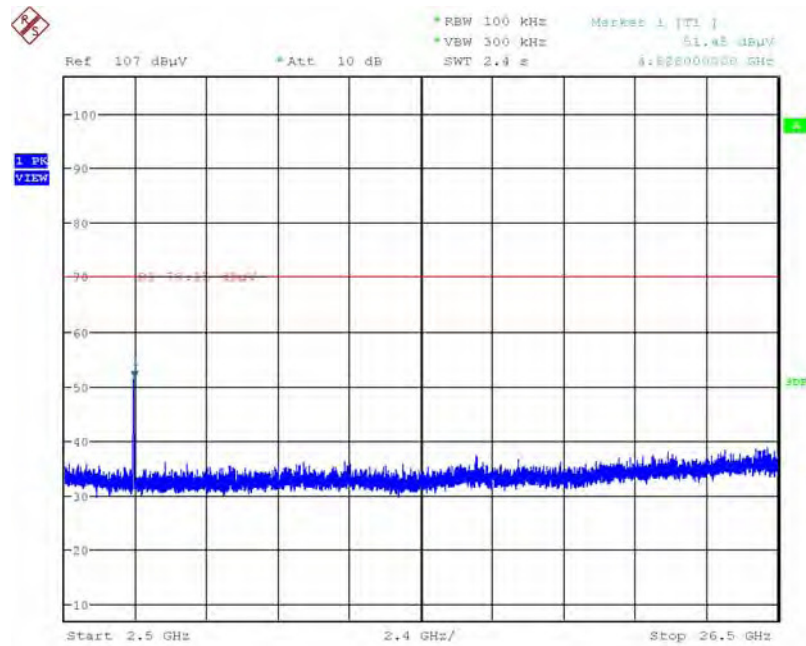
Date: 2.JUL.2015 22:53:39

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



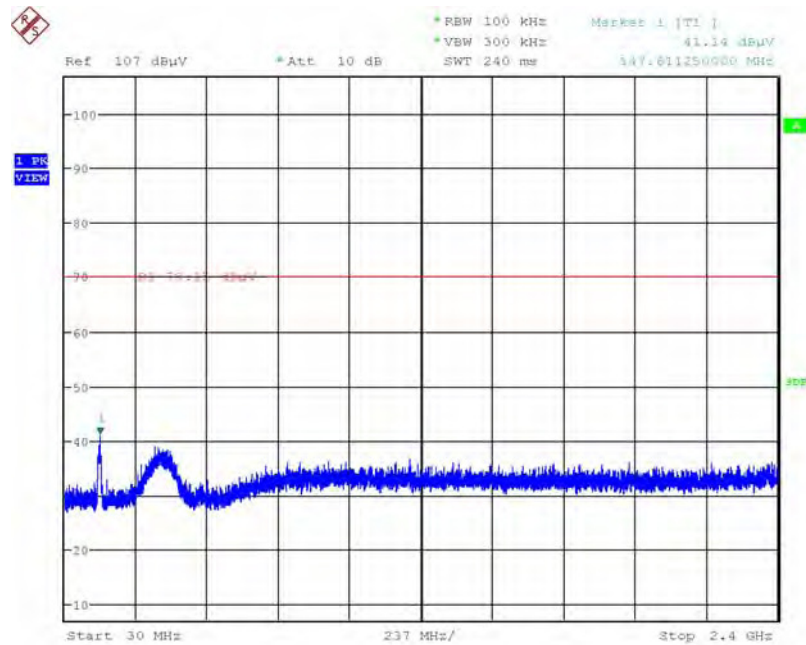
Date: 2.JUL.2015 22:55:24

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



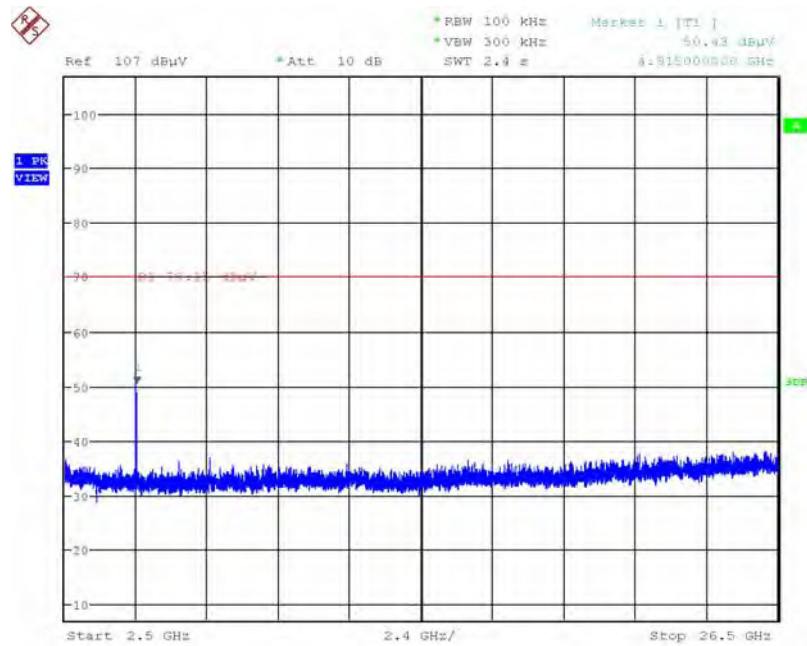
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Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



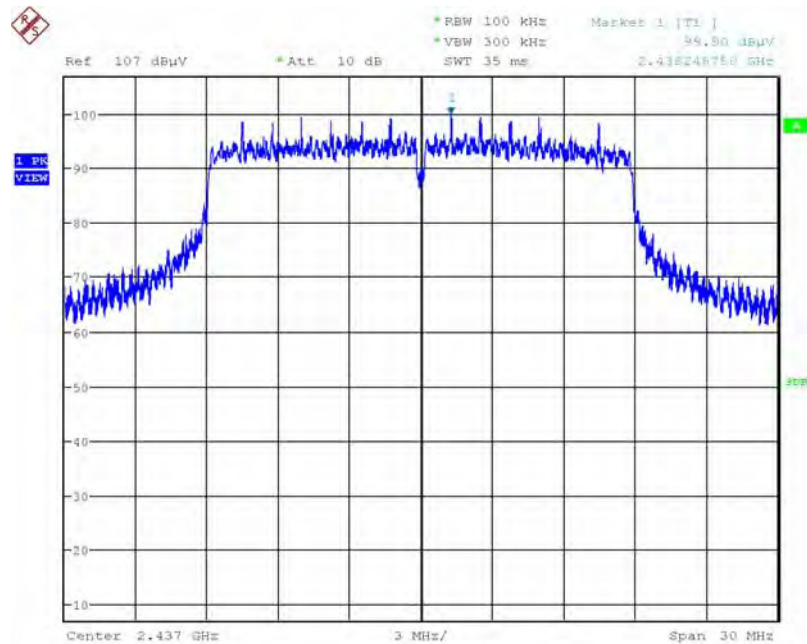
Date: 2.JUL.2015 22:56:27

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



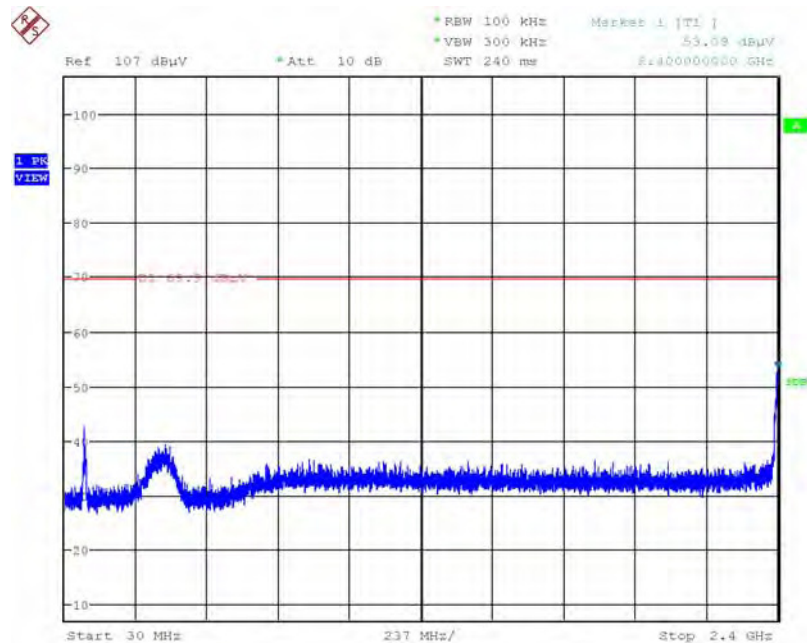
Date: 2.JUL.2015 22:56:51

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Reference Level



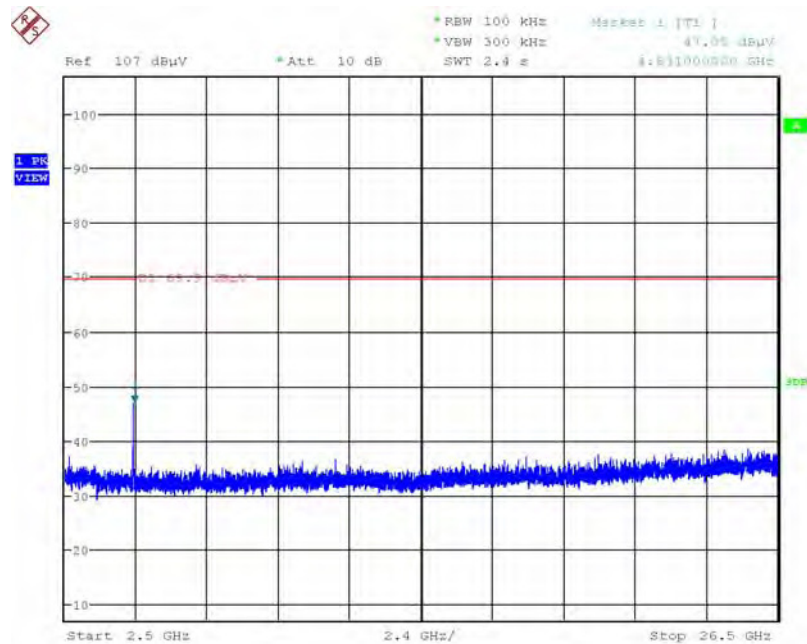
Date: 2.JUL.2015 22:57:49

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



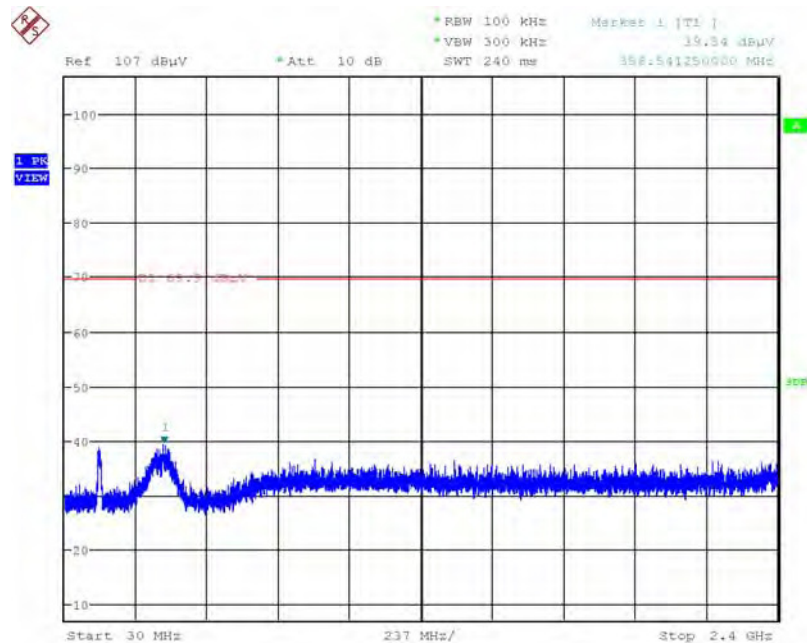
Date: 2.JUL.2015 23:00:13

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



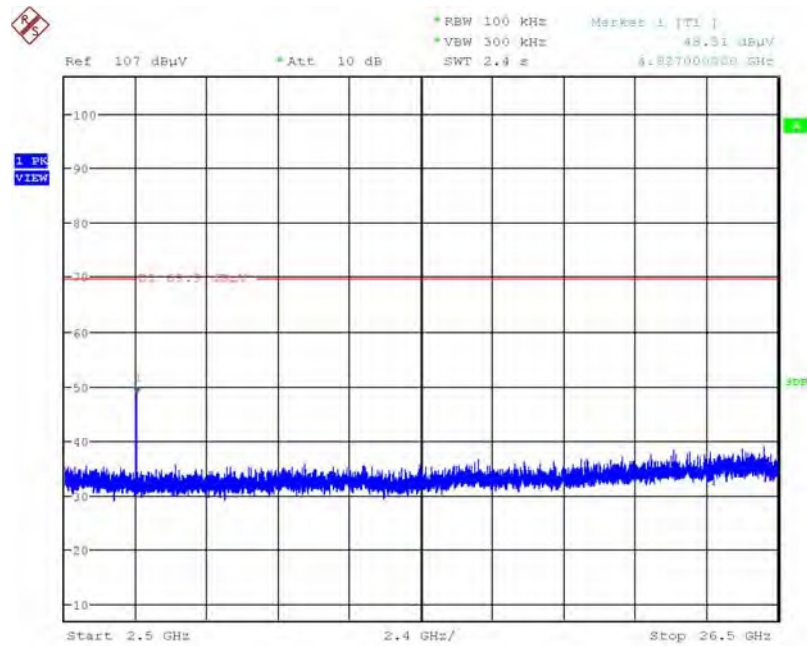
Date: 2.JUL.2015 23:00:39

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



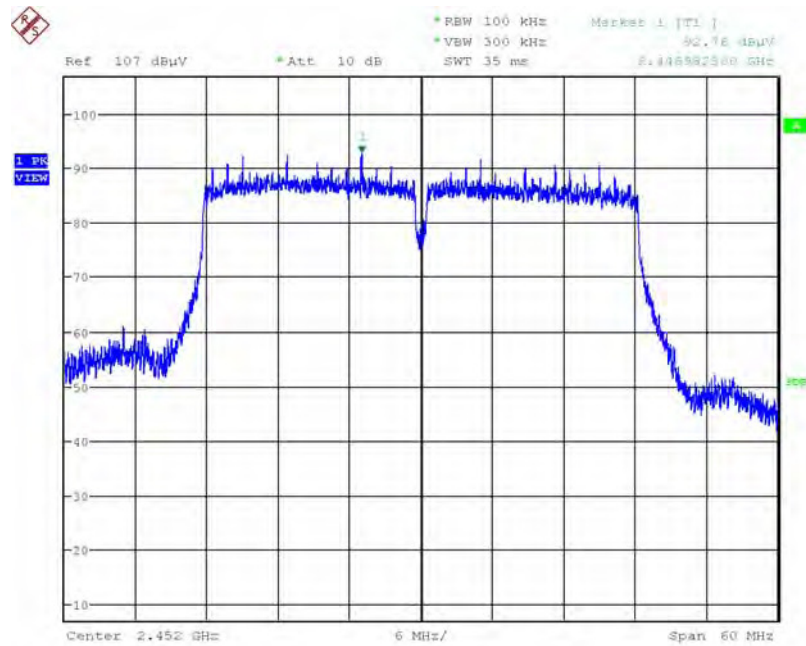
Date: 2.JUL.2015 23:01:13

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



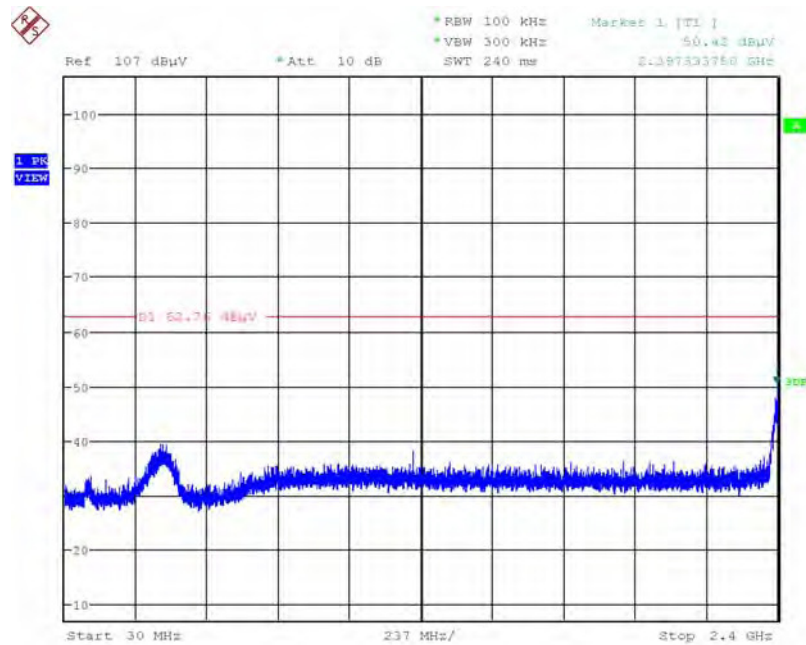
Date: 2.JUL.2015 23:01:36

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



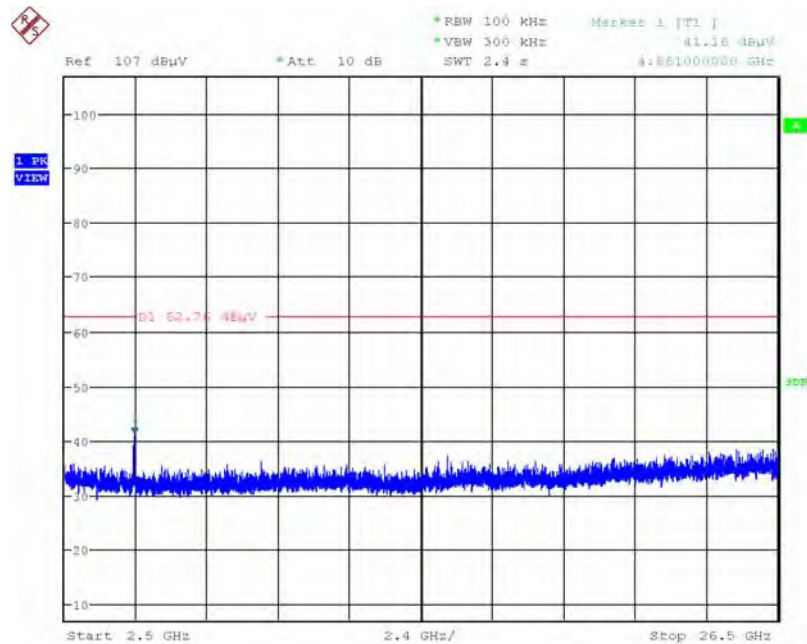
Date: 2.JUL.2015 23:02:52

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



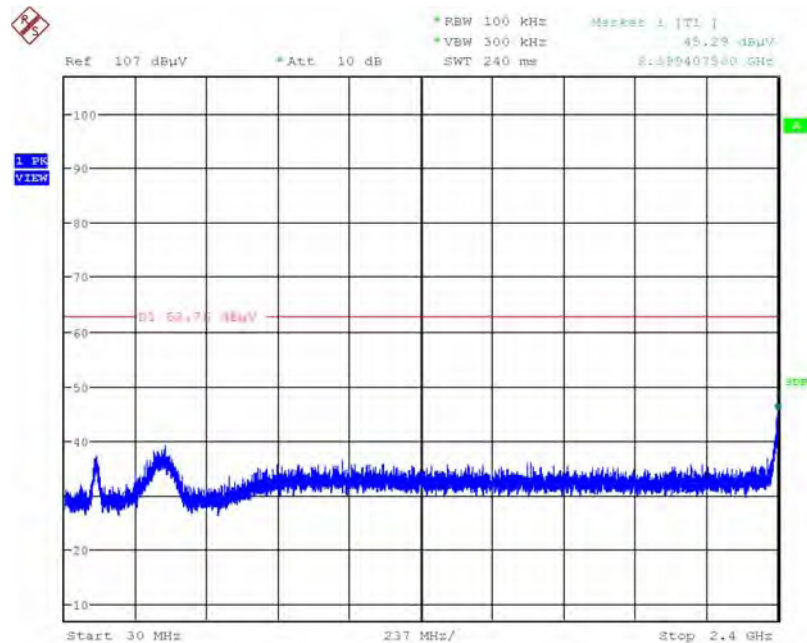
Date: 2.JUL.2015 23:05:22

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



Date: 2.JUL.2015 23:05:44

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 2.JUL.2015 23:03:25



Ref 107 dBμV *Att 10 dB *RBW 100 kHz *VBW 300 kHz *SWT 2.4

Marker 1 [T1] 46.34 dBμV 4.882000000 GHz

Start 2.5 GHz 2.4 GHz/ Stop 26.5 GHz

Date: 2.JUL.2015 23:03:51

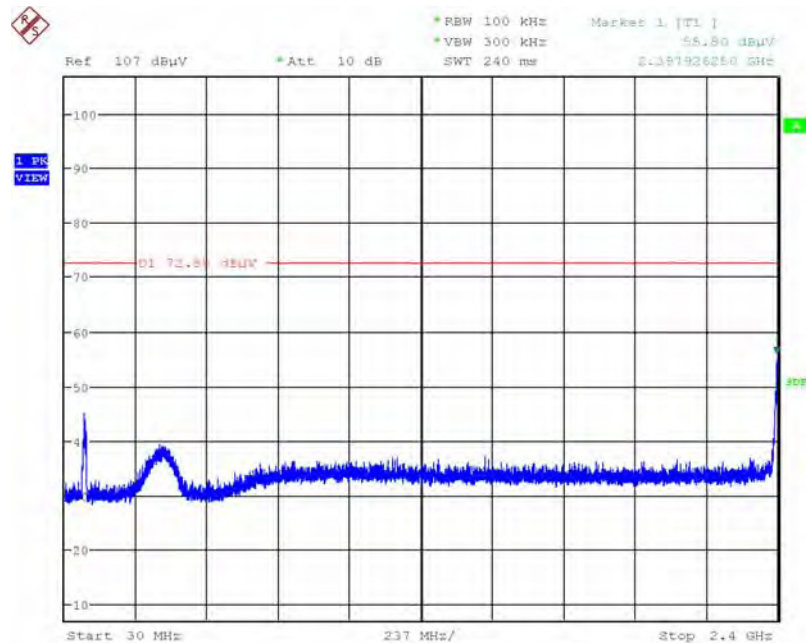
<For Radio 1 Non-beamforming Mode>: 2TX, 1S

Plot on Configuration IEEE 802.11g / Reference Level



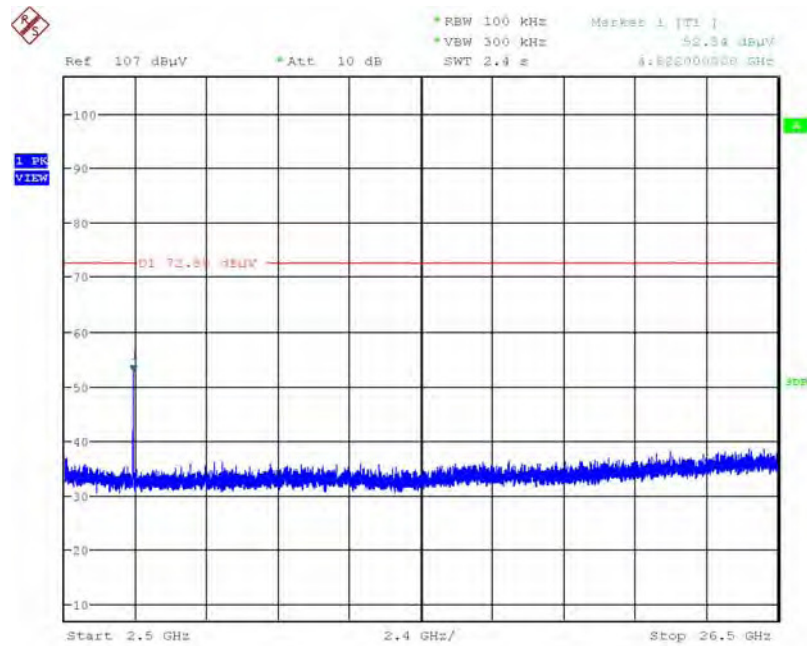
Date: 2.JUL.2015 17:35:29

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



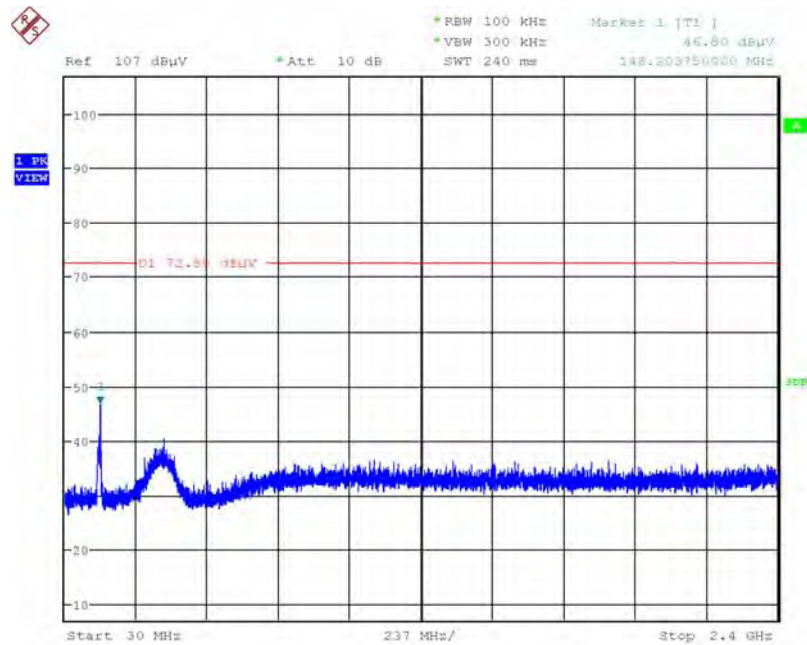
Date: 2.JUL.2015 17:38:07

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



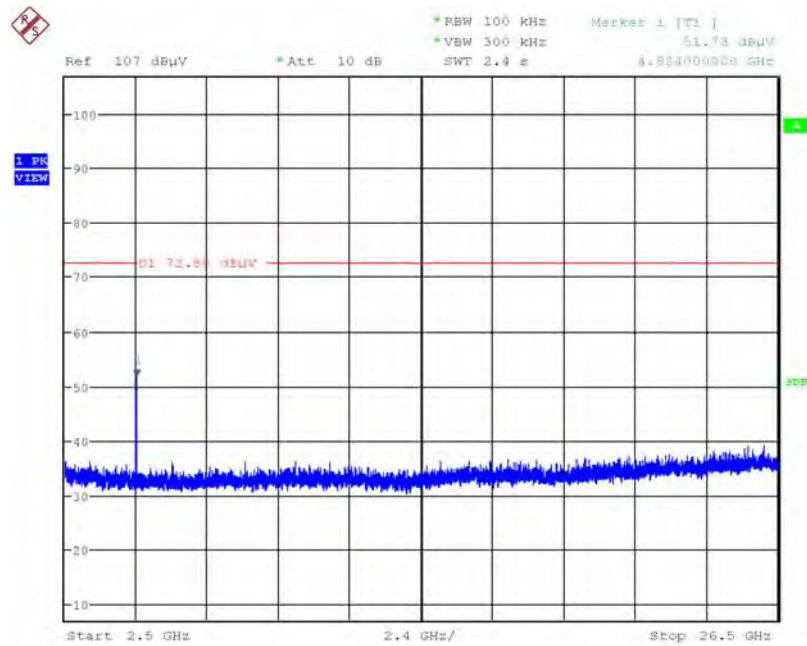
Date: 2.JUL.2015 17:39:00

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



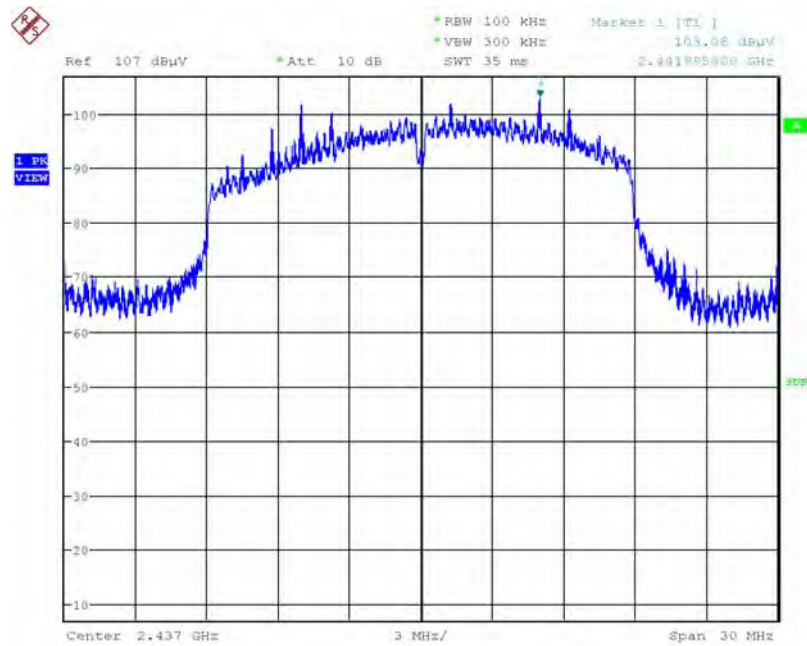
Date: 2.JUL.2015 17:40:17

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



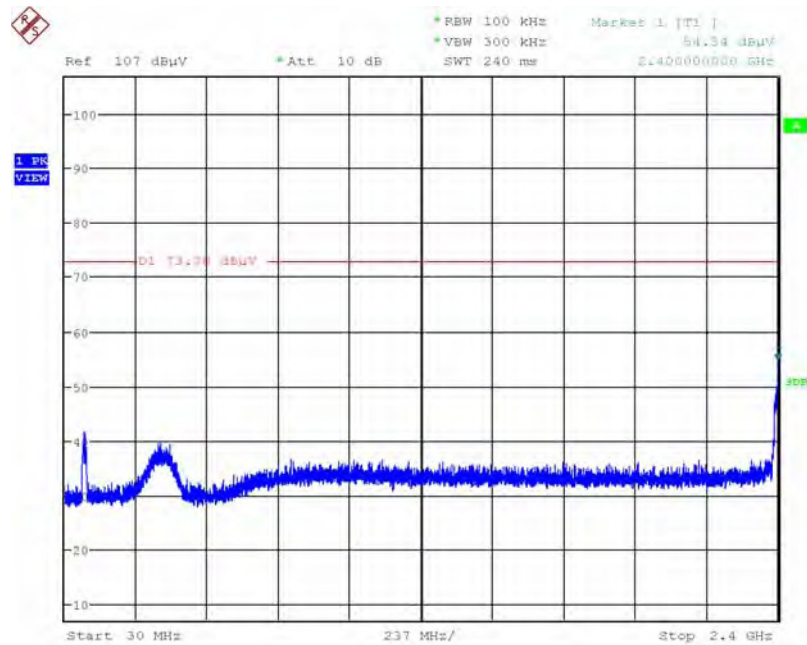
Date: 2.JUL.2015 17:39:47

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Reference Level



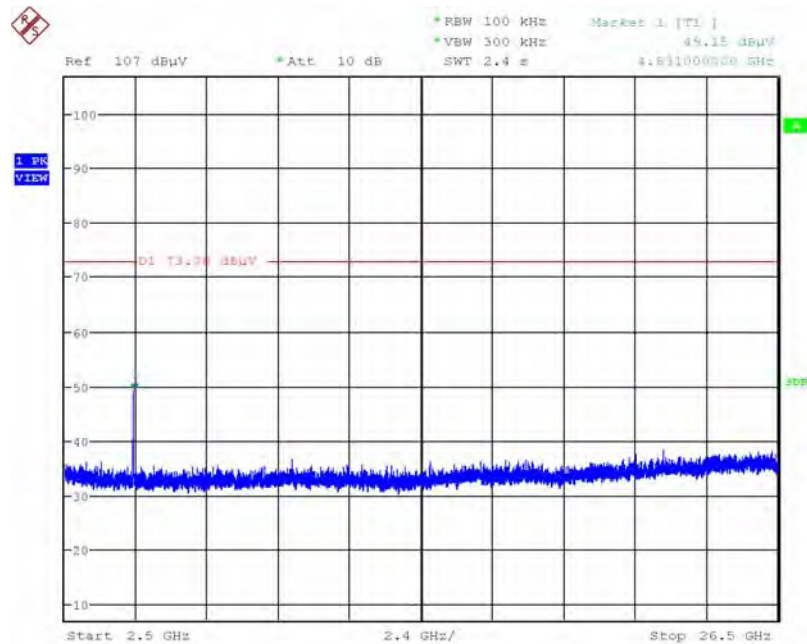
Date: 2.JUL.2015 17:42:15

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



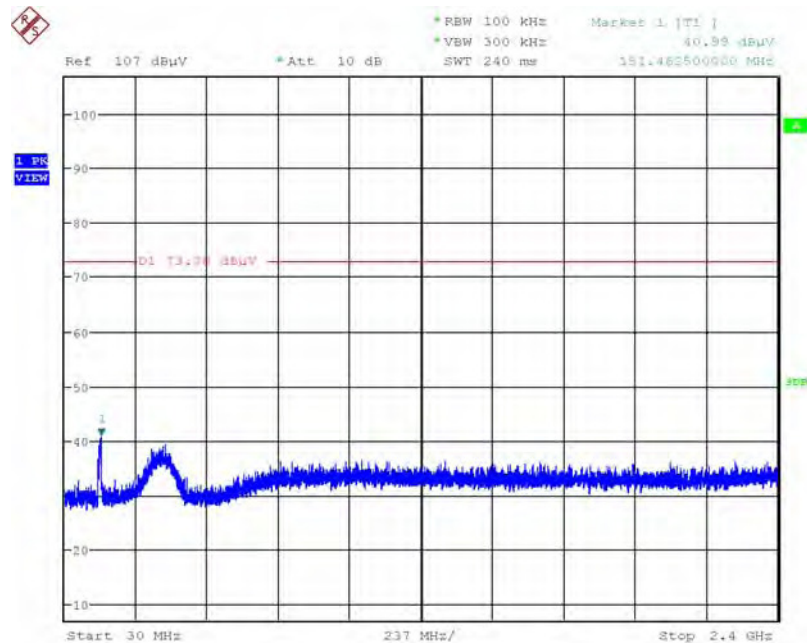
Date: 2.JUL.2015 17:43:30

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



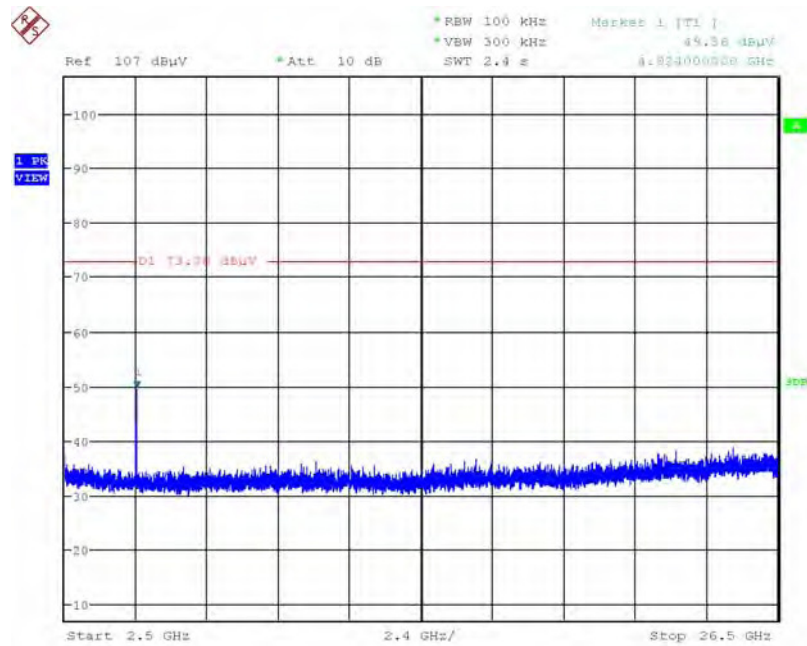
Date: 2.JUL.2015 17:44:11

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



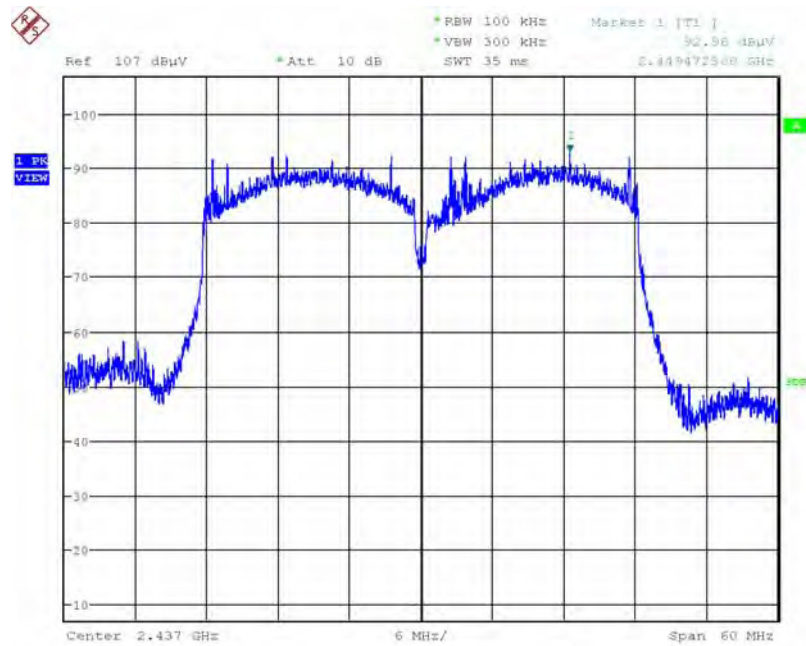
Date: 2.JUL.2015 17:45:26

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



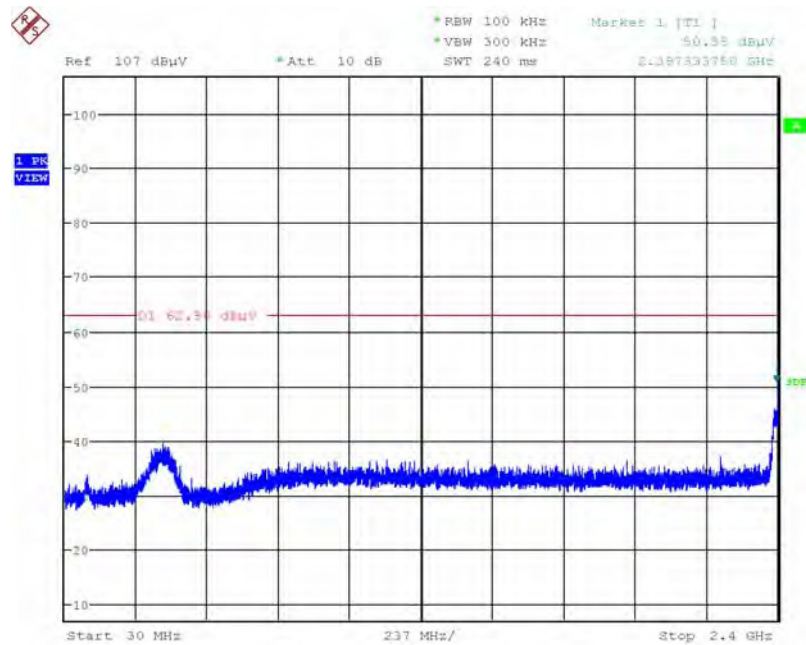
Date: 2.JUL.2015 17:44:52

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



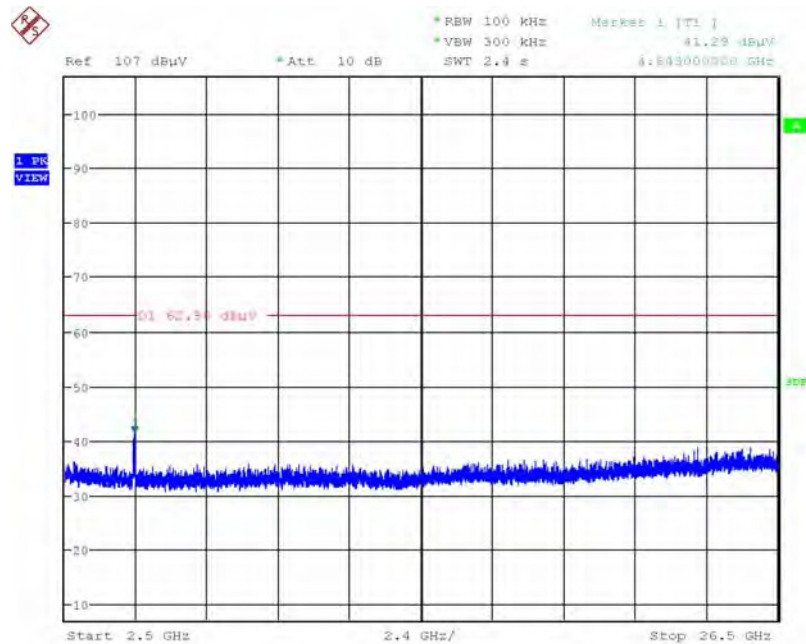
Date: 2.JUL.2015 17:47:25

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



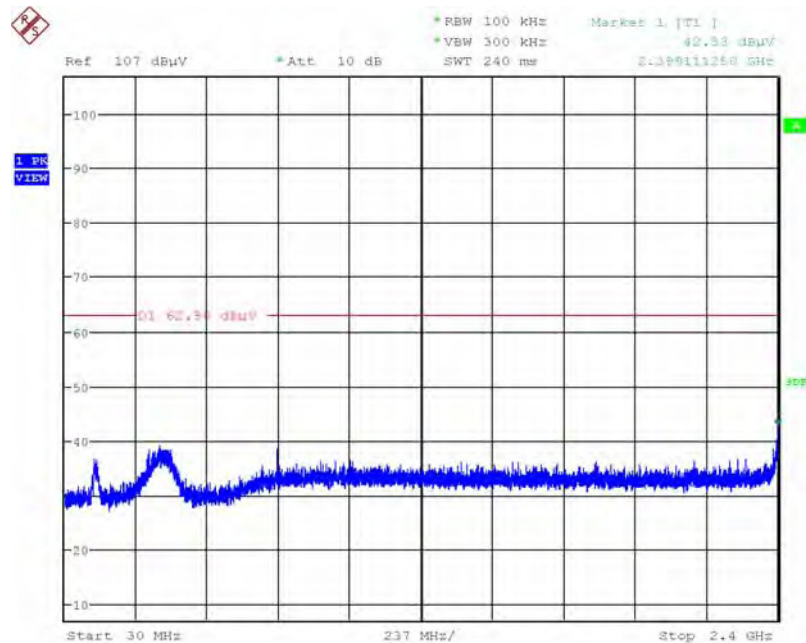
Date: 2.JUL.2015 17:48:34

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



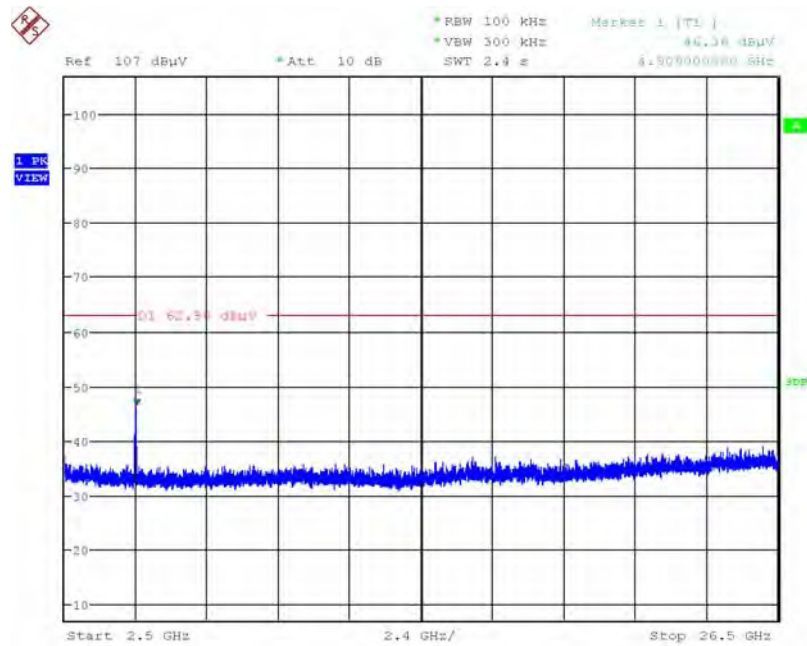
Date: 2.JUL.2015 17:49:22

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 2.JUL.2015 17:50:42

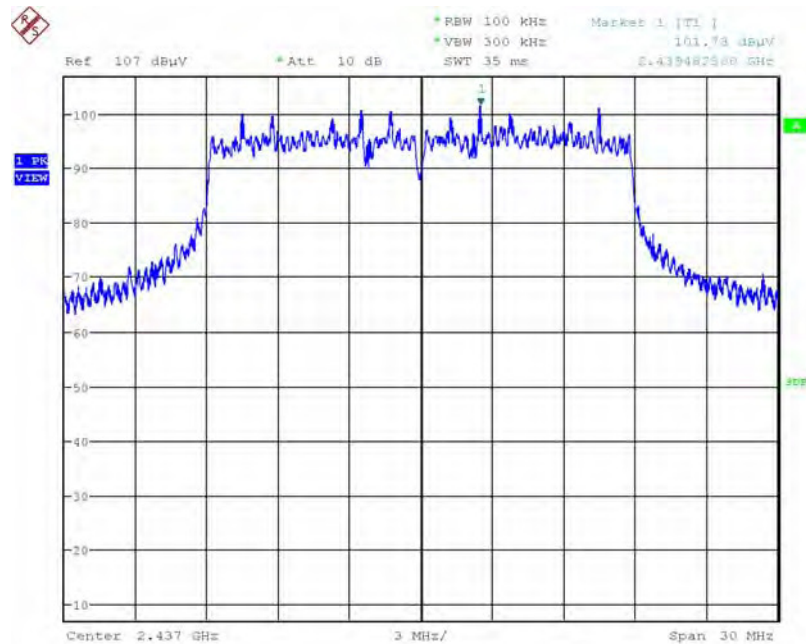
Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 2.JUL.2015 17:50:11

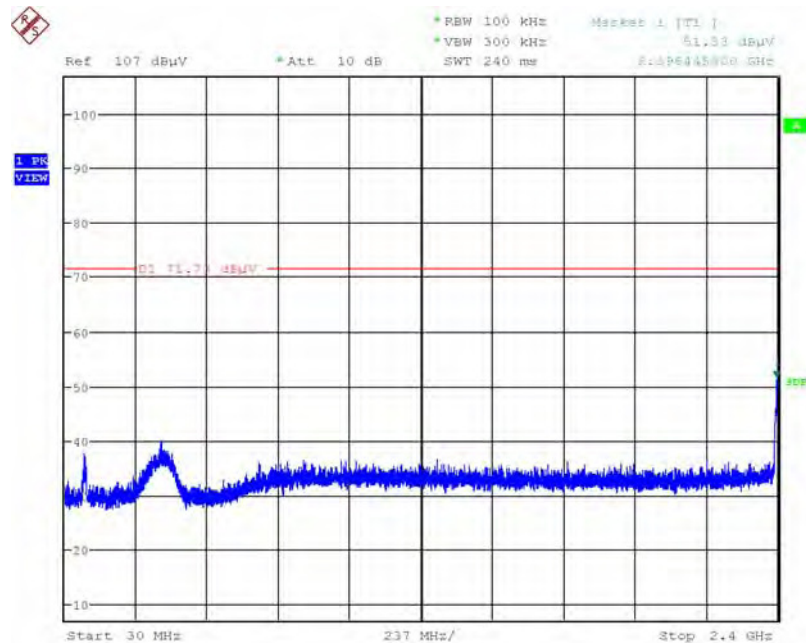
<For Radio 1 Non-beamforming Mode>: 2TX, 2S

Plot on Configuration IEEE 802. MCS0/Nss2 VHT20 / Reference Level



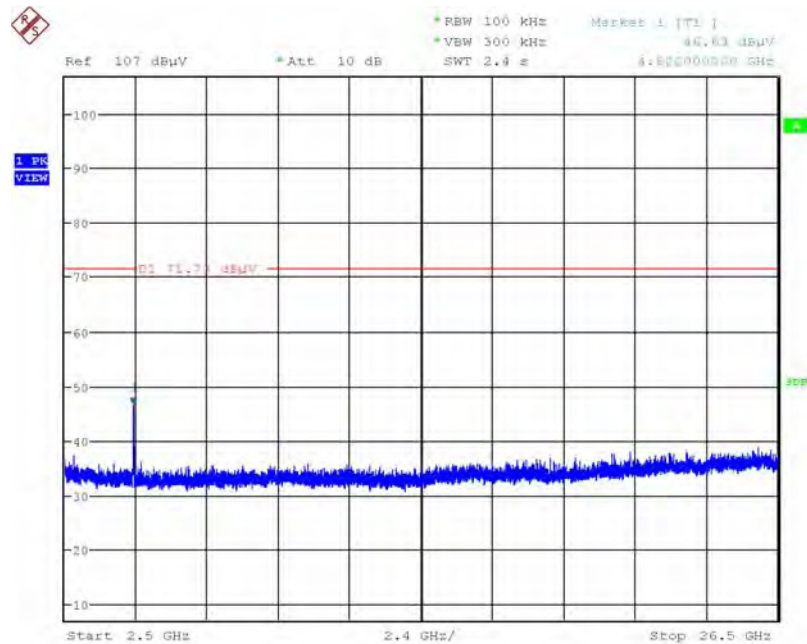
Date: 2.JUL.2015 20:37:16

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



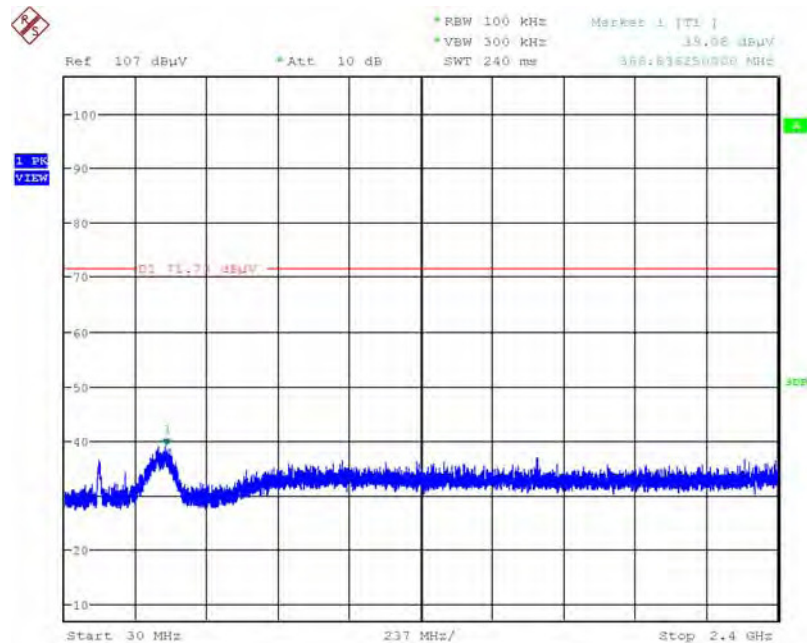
Date: 2.JUL.2015 20:38:32

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



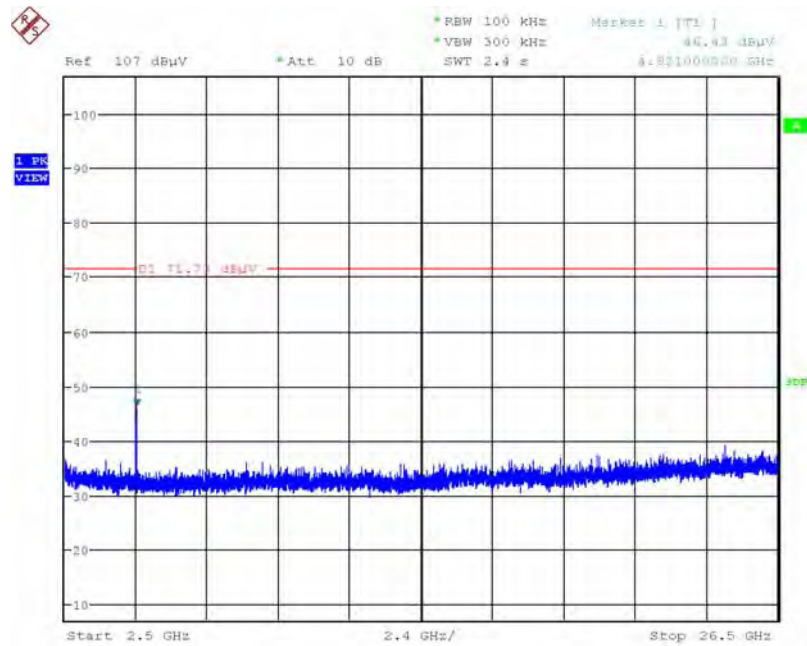
Date: 2.JUL.2015 20:39:16

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



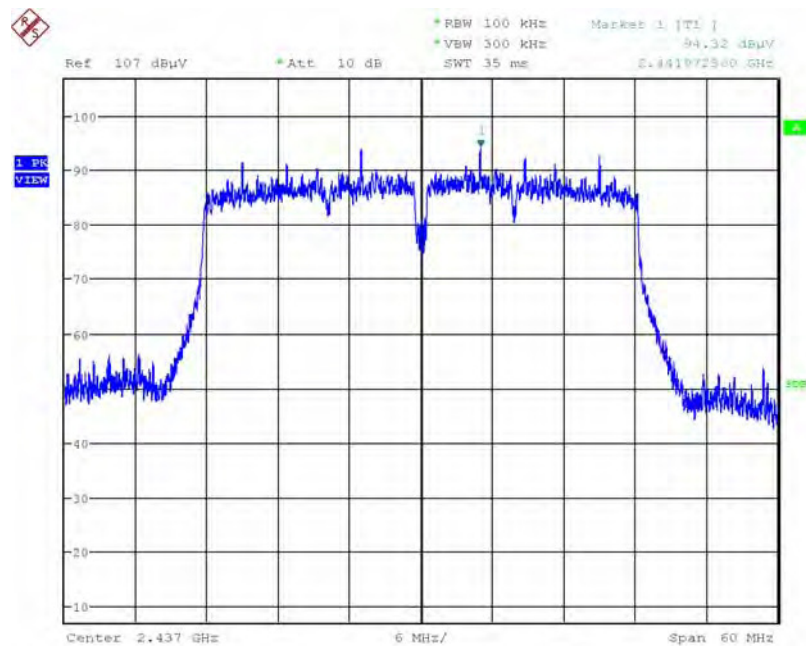
Date: 2.JUL.2015 20:40:06

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



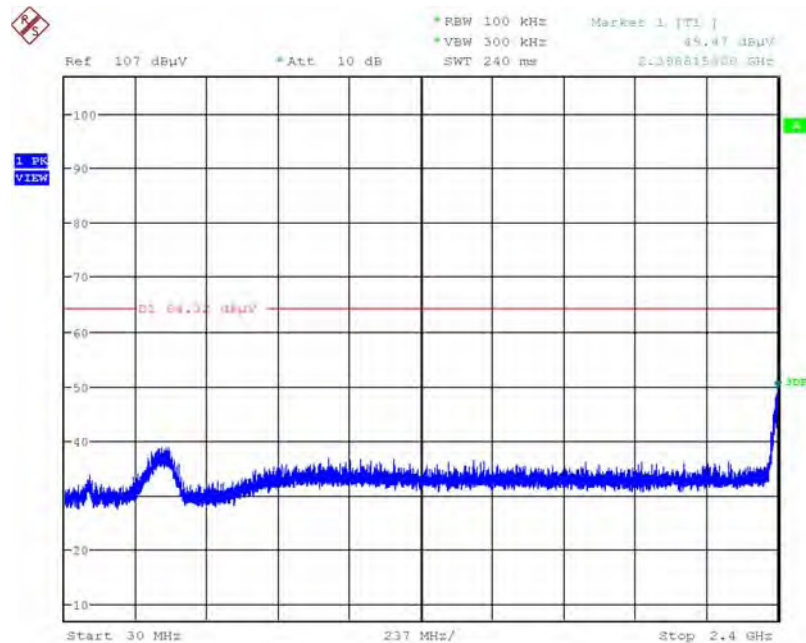
Date: 2.JUL.2015 20:40:34

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Reference Level



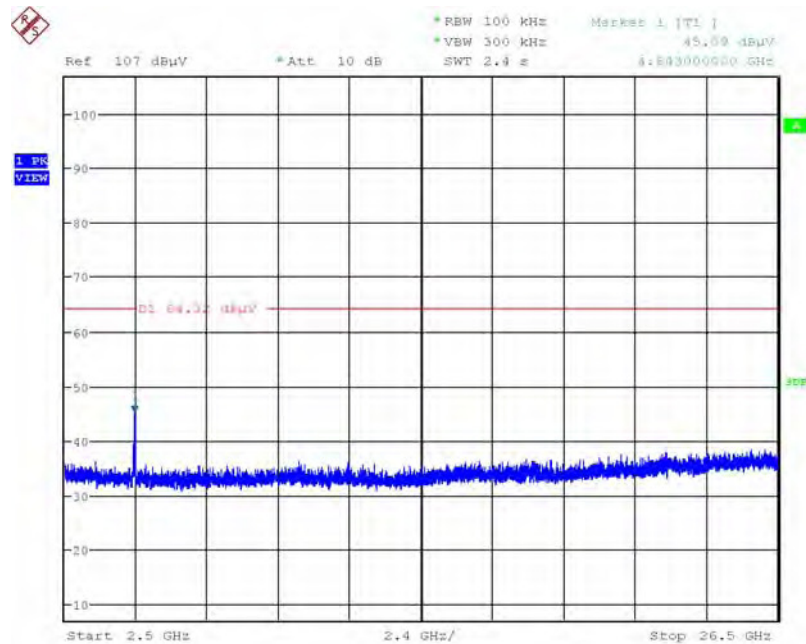
Date: 2.JUL.2015 20:42:04

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



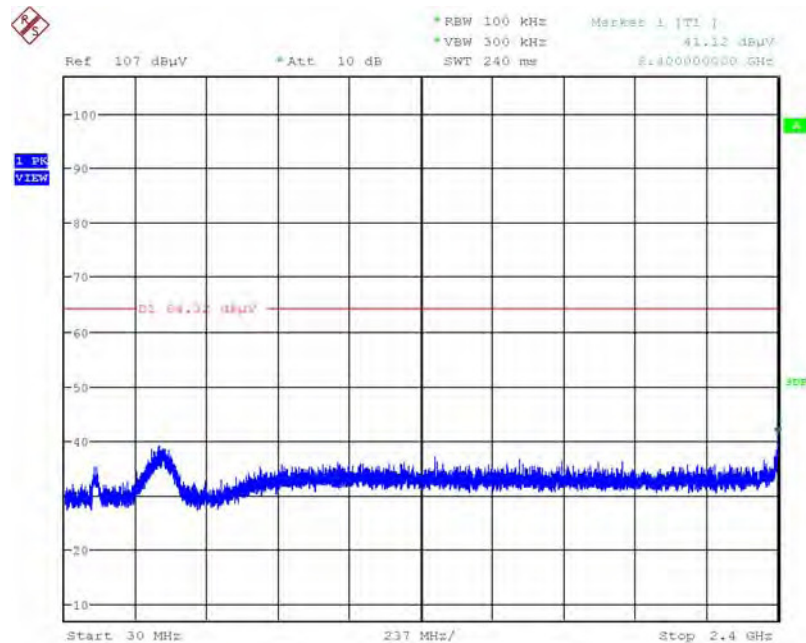
Date: 2.JUL.2015 20:43:21

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



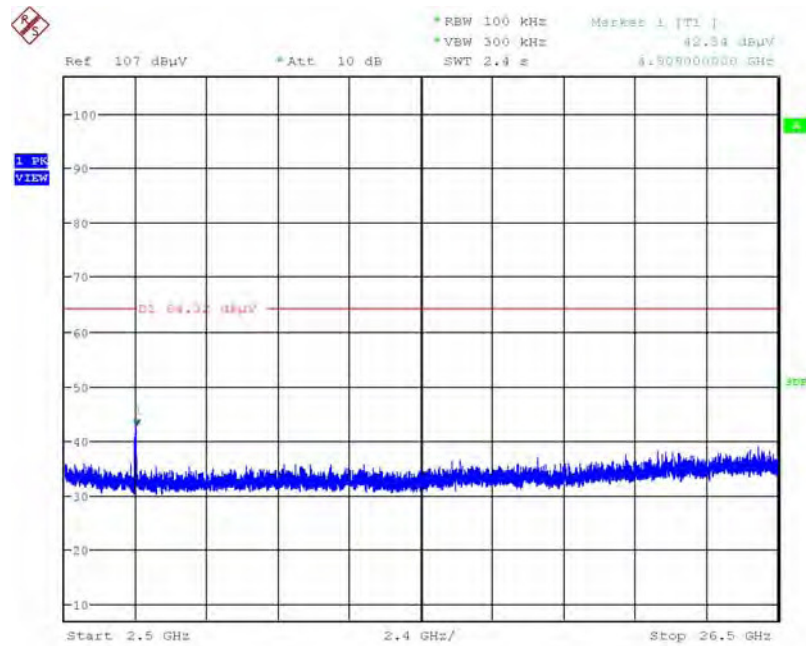
Date: 2.JUL.2015 20:44:11

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 2.JUL.2015 20:45:00

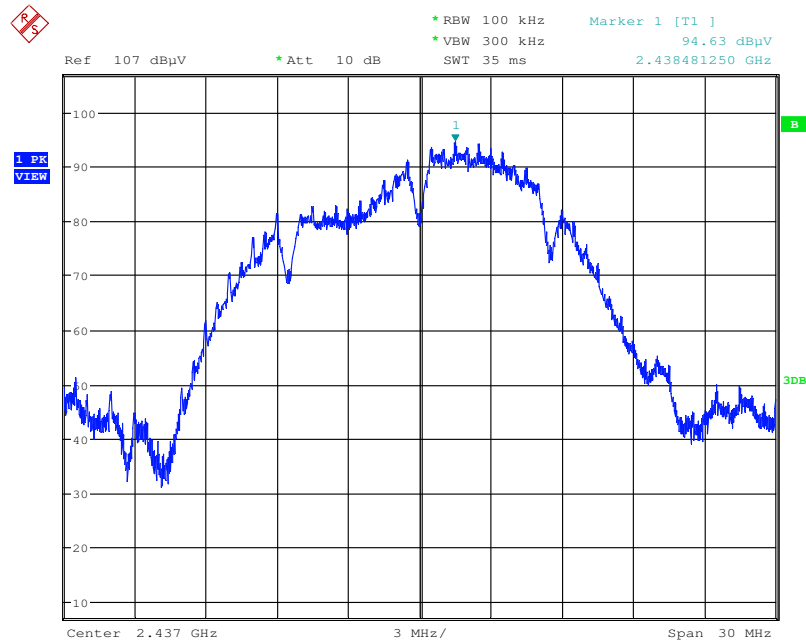
Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 2.JUL.2015 20:45:37

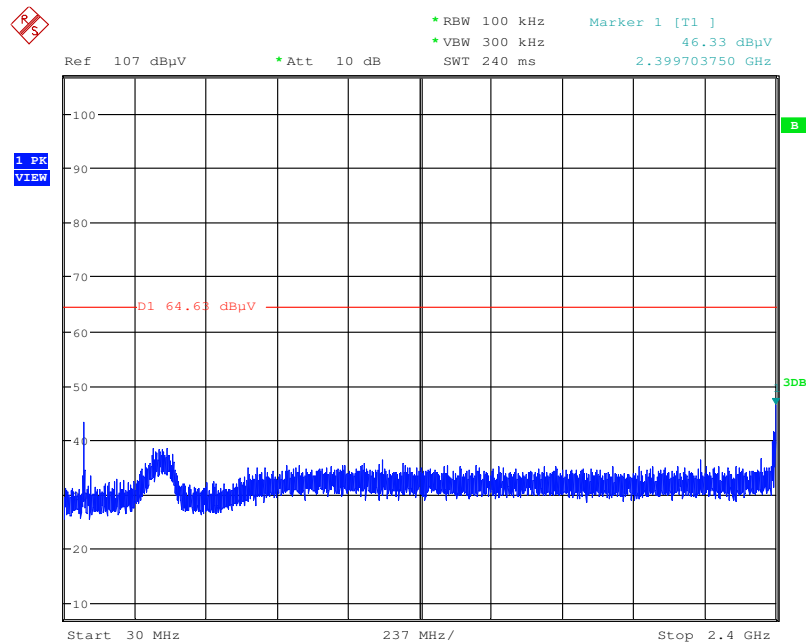
<For Radio 1 Non-beamforming Mode>: 3TX, 1S

Plot on Configuration IEEE 802.11b / Reference Level



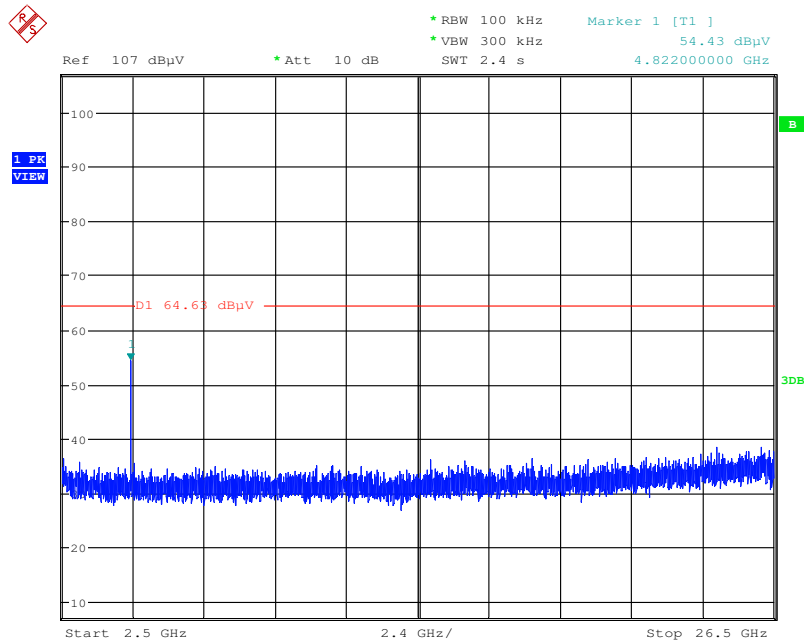
Date: 26.JUN.2015 02:38:14

Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc)



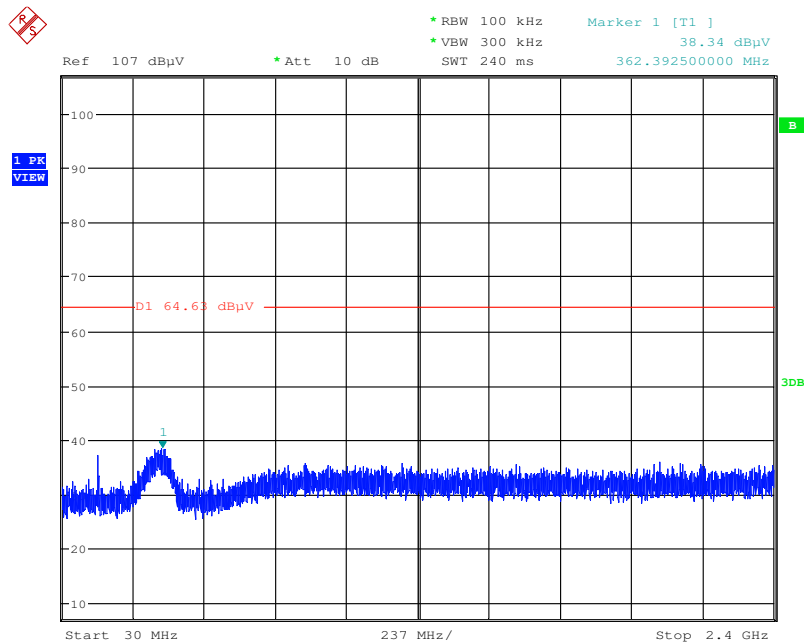
Date: 26.JUN.2015 02:39:57

Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc)



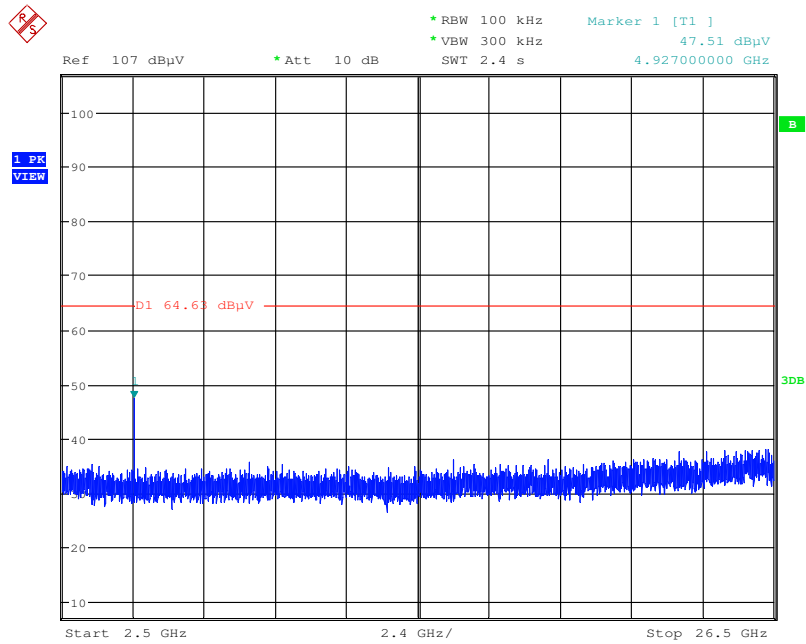
Date: 26.JUN.2015 02:41:06

Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)



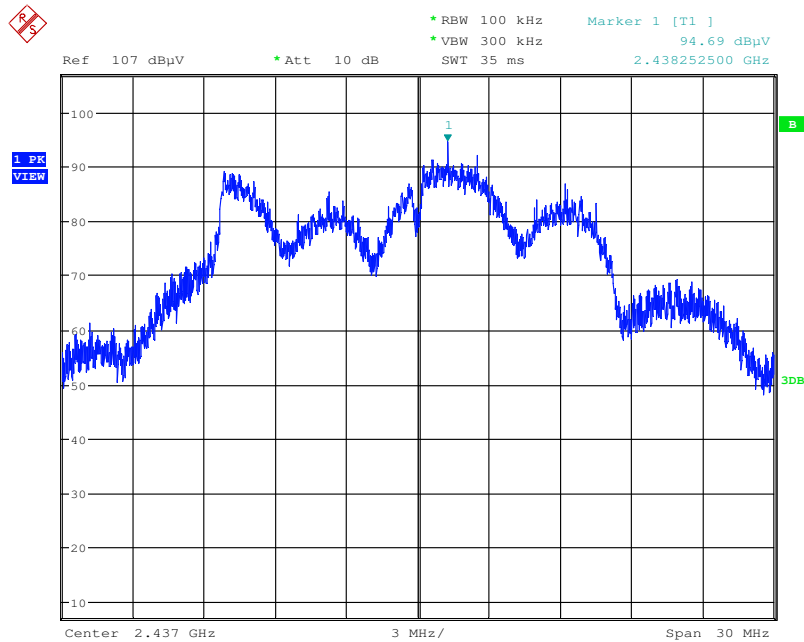
Date: 26.JUN.2015 02:43:12

Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc)



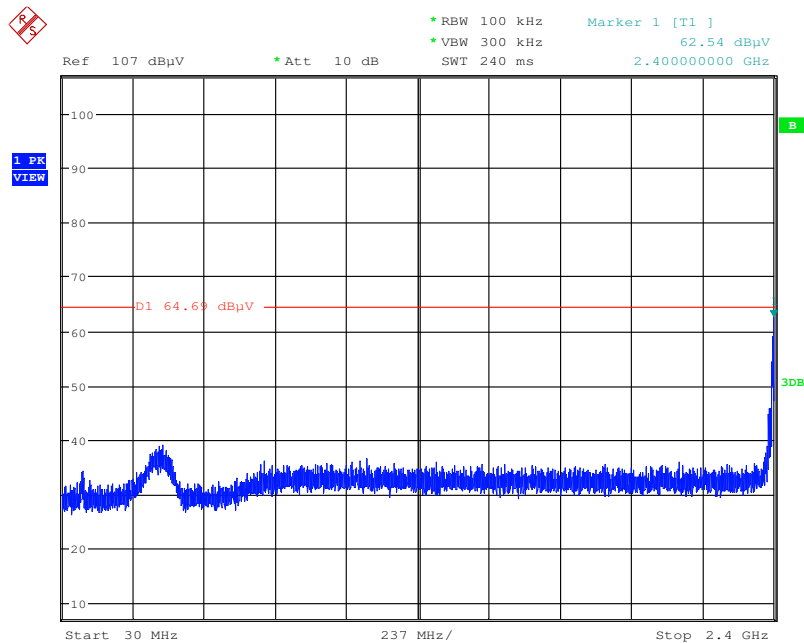
Date: 26.JUN.2015 02:42:29

Plot on Configuration IEEE 802.11g / Reference Level



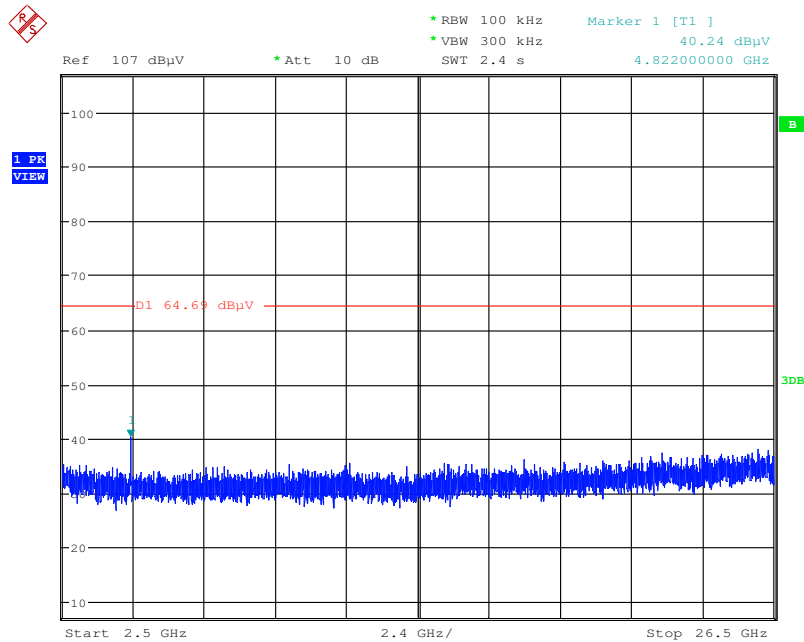
Date: 26.JUN.2015 02:30:03

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



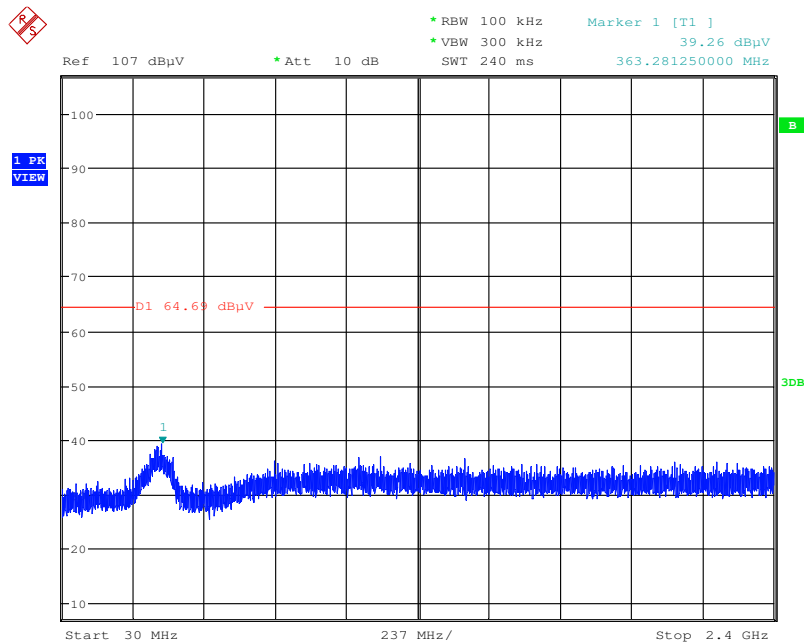
Date: 26.JUN.2015 02:32:08

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



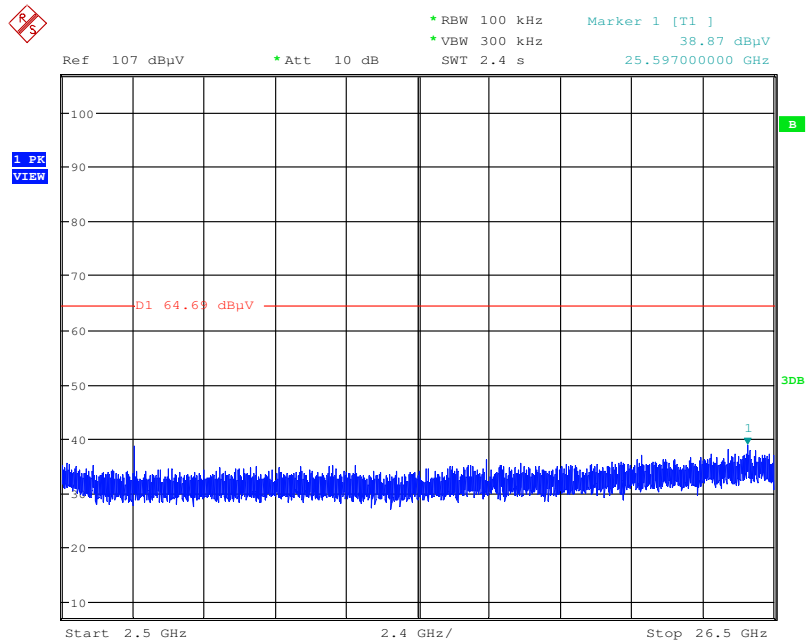
Date: 26.JUN.2015 02:32:39

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



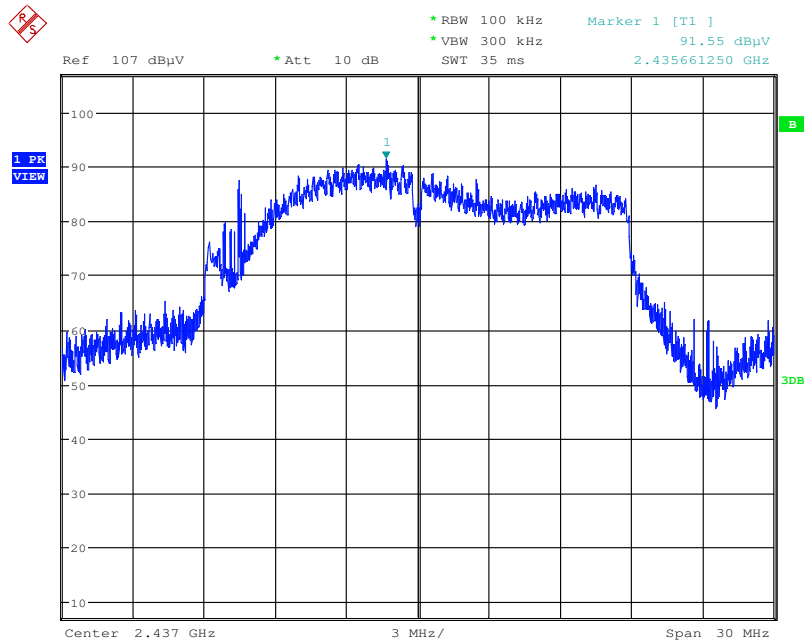
Date: 26.JUN.2015 02:34:38

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



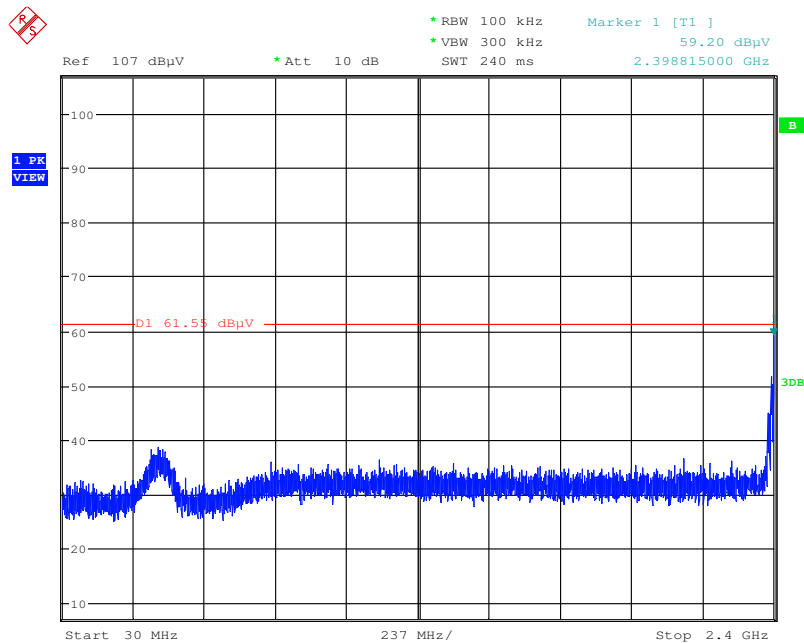
Date: 26.JUN.2015 02:33:50

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Reference Level



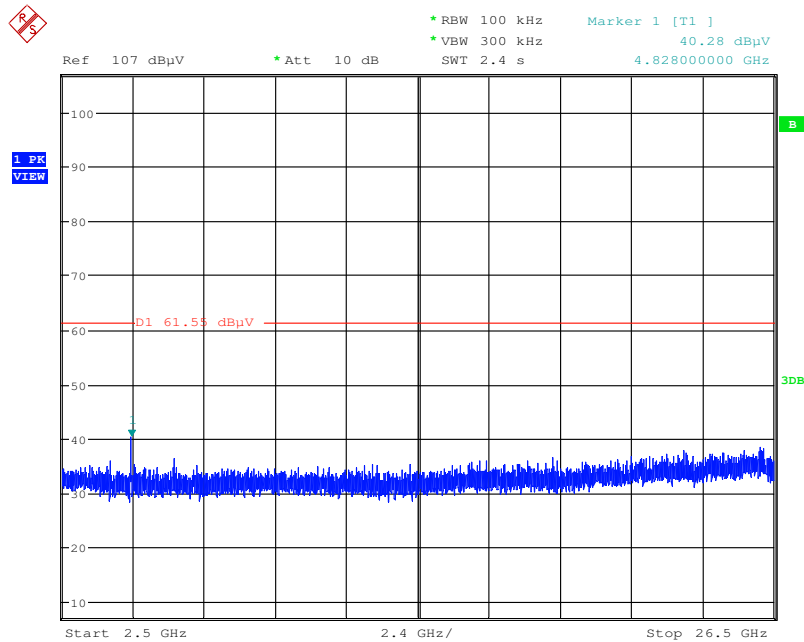
Date: 26.JUN.2015 02:47:07

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



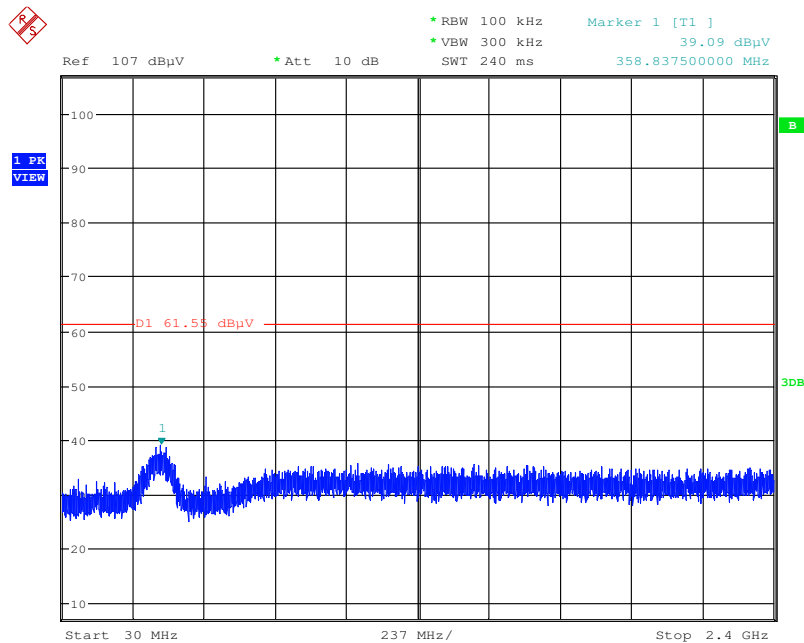
Date: 26.JUN.2015 02:49:22

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



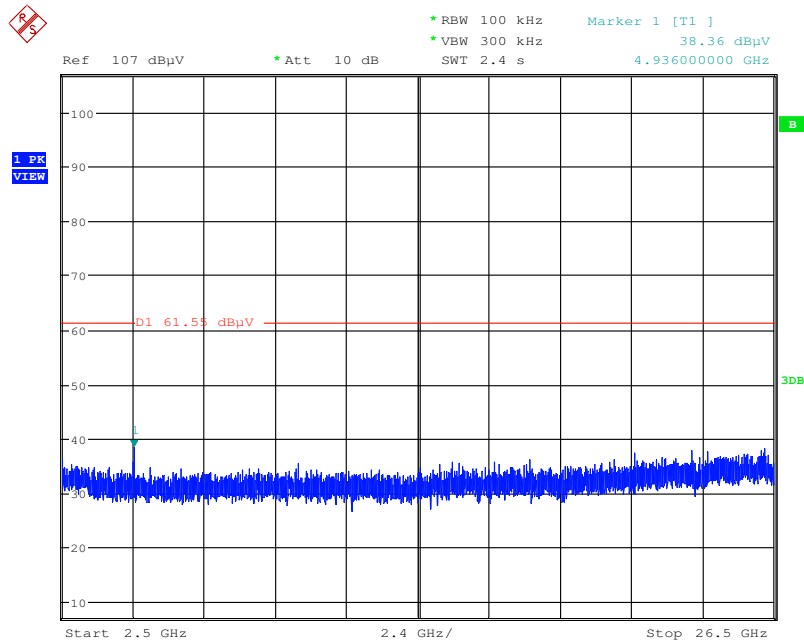
Date: 26.JUN.2015 02:50:50

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



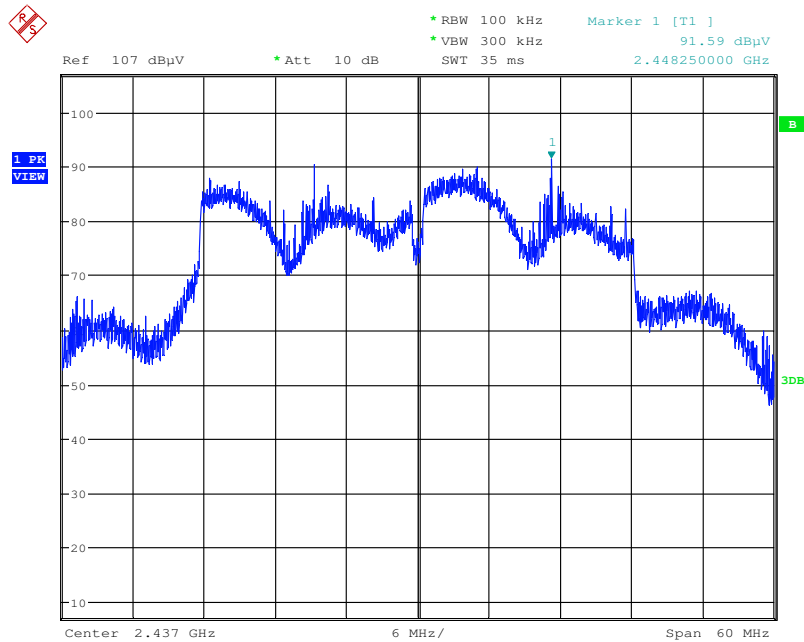
Date: 26.JUN.2015 02:52:30

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



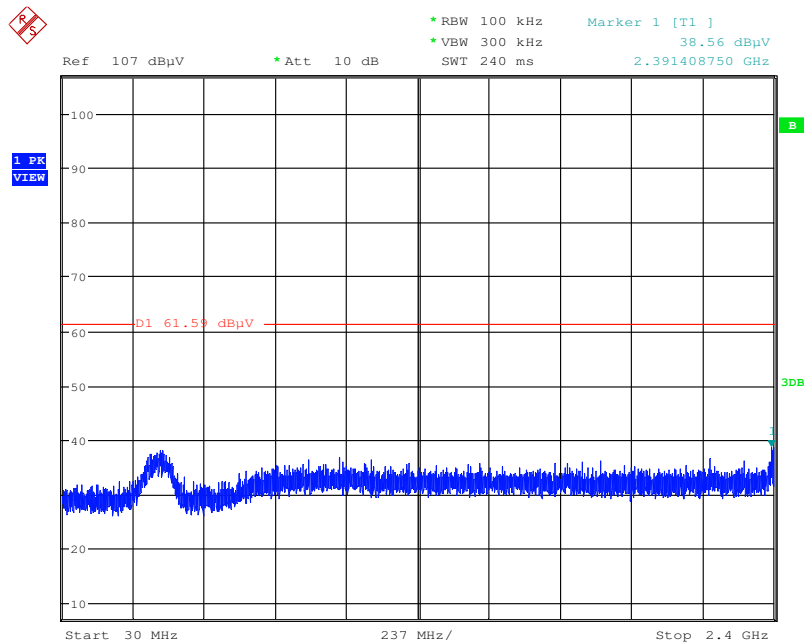
Date: 26.JUN.2015 02:51:57

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



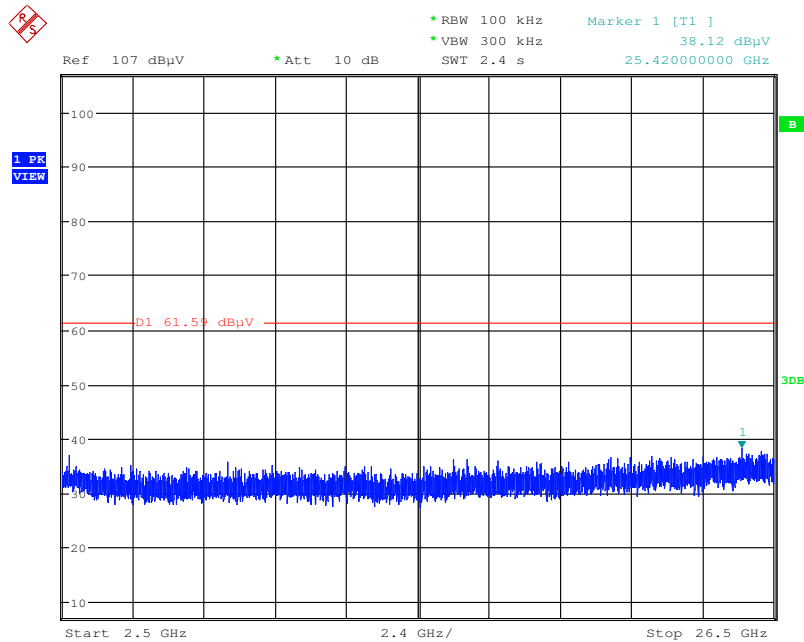
Date: 26.JUN.2015 02:56:46

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



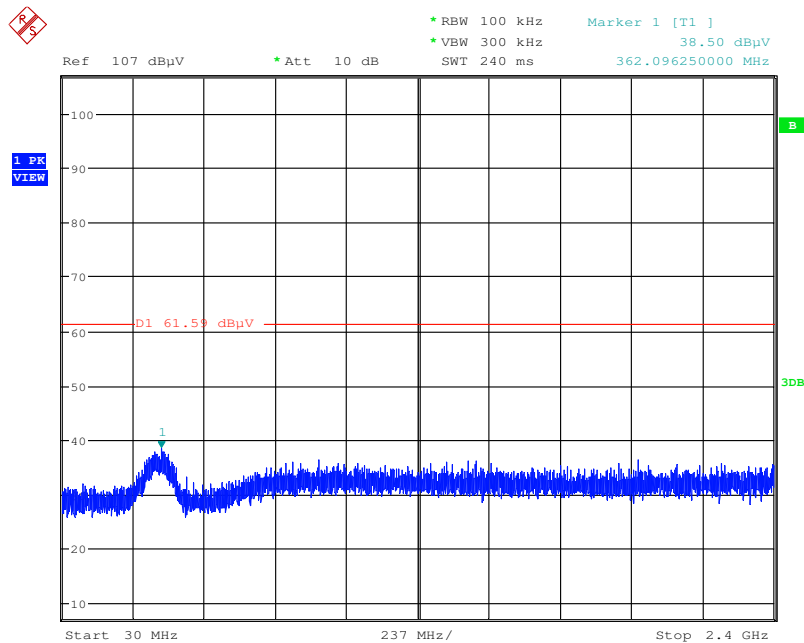
Date: 26.JUN.2015 03:03:42

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



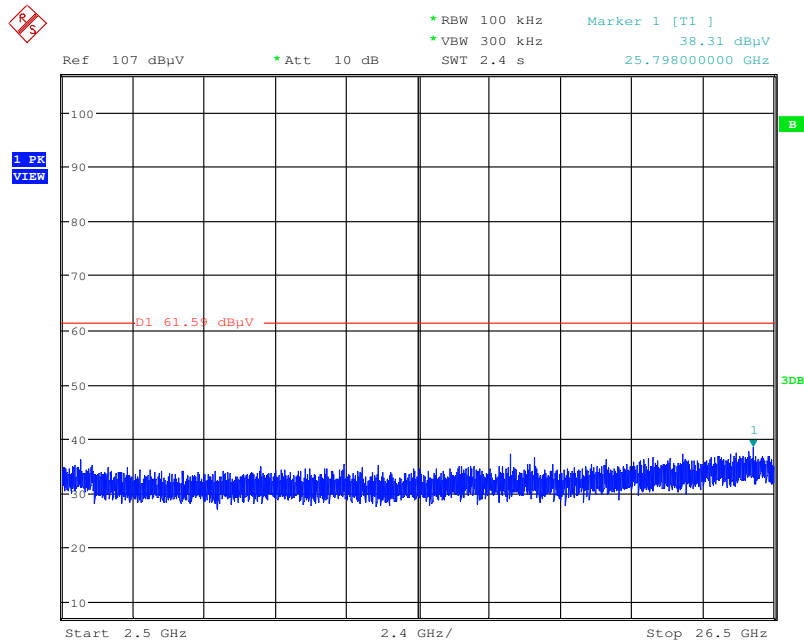
Date: 26.JUN.2015 03:04:14

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 26.JUN.2015 03:05:29

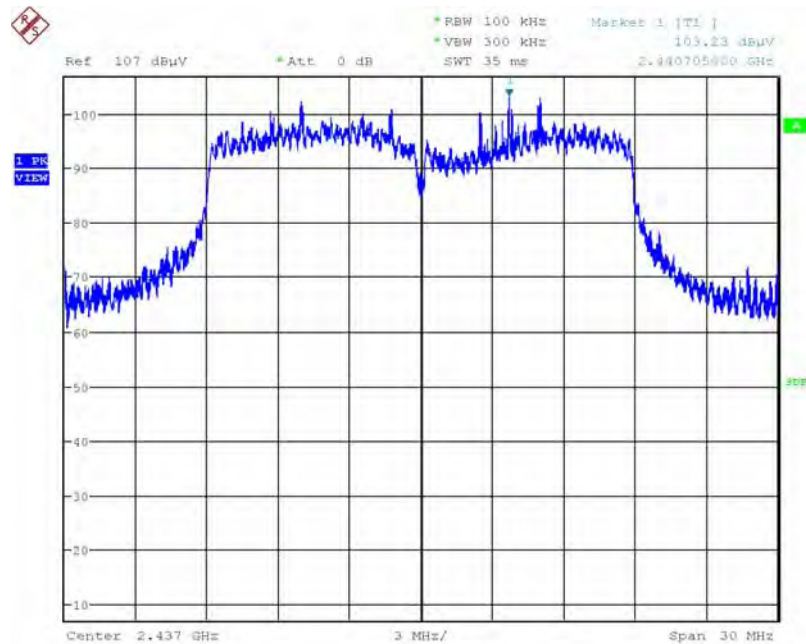
Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 26.JUN.2015 03:04:58

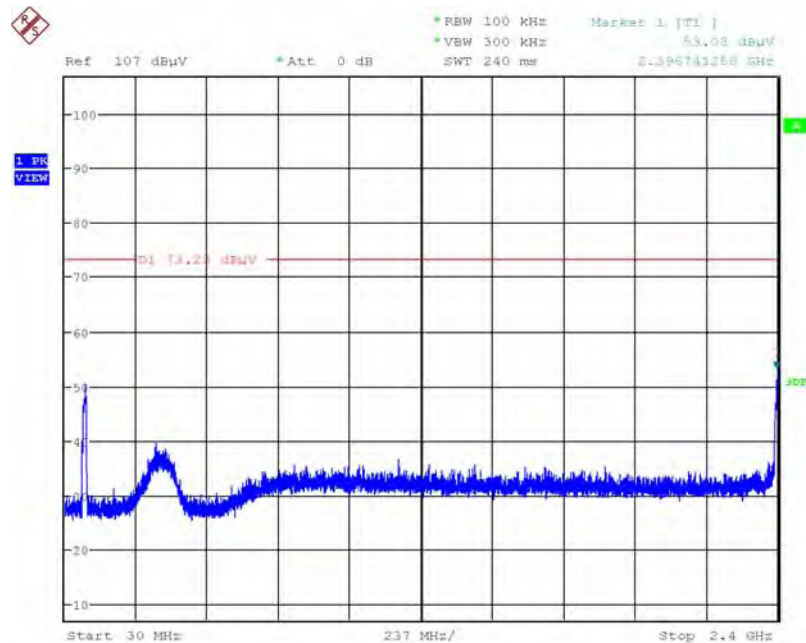
<For Radio 1 Non-beamforming Mode>: 3TX, 2S

Plot on Configuration IEEE 802. MCS0/Nss2 VHT20 / Reference Level



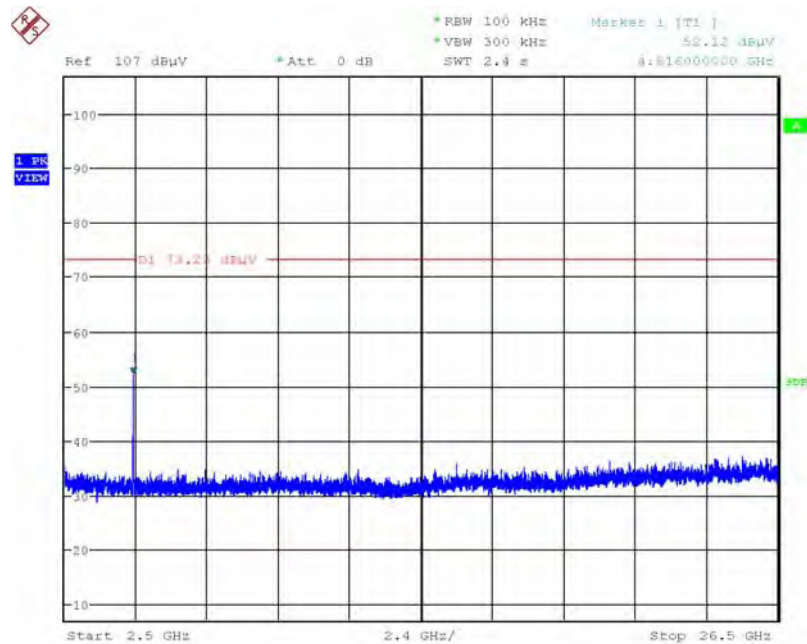
Date: 1.JUL.2015 18:41:49

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



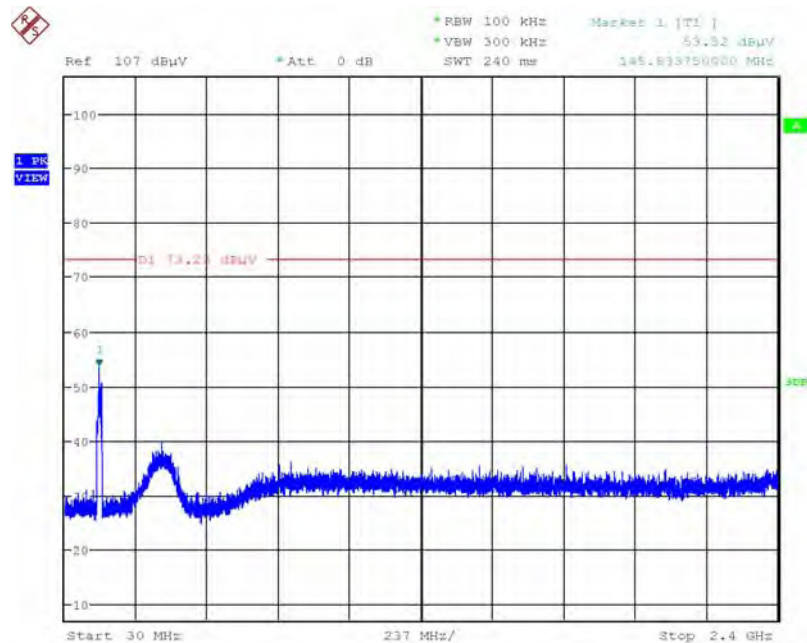
Date: 1.JUL.2015 18:43:22

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



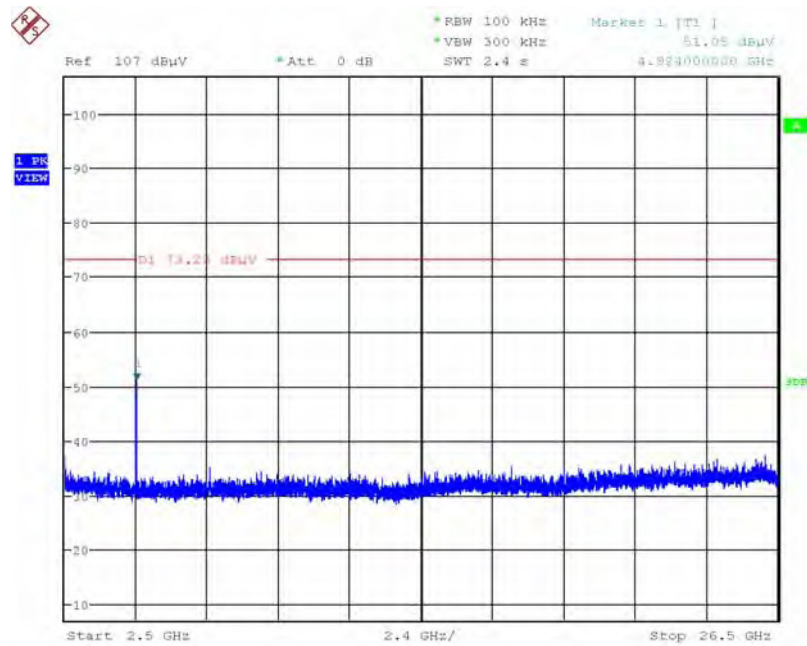
Date: 1.JUL.2015 18:44:21

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



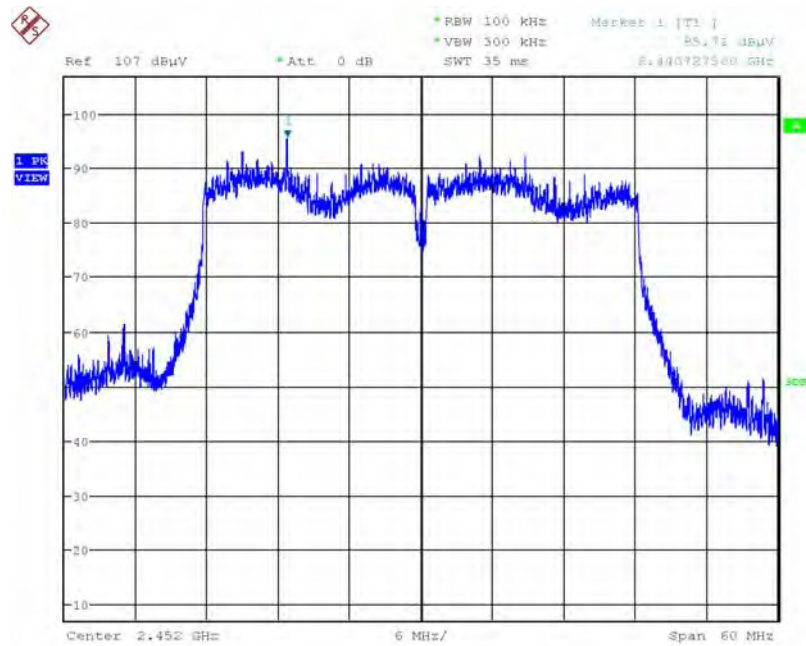
Date: 1.JUL.2015 18:45:27

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



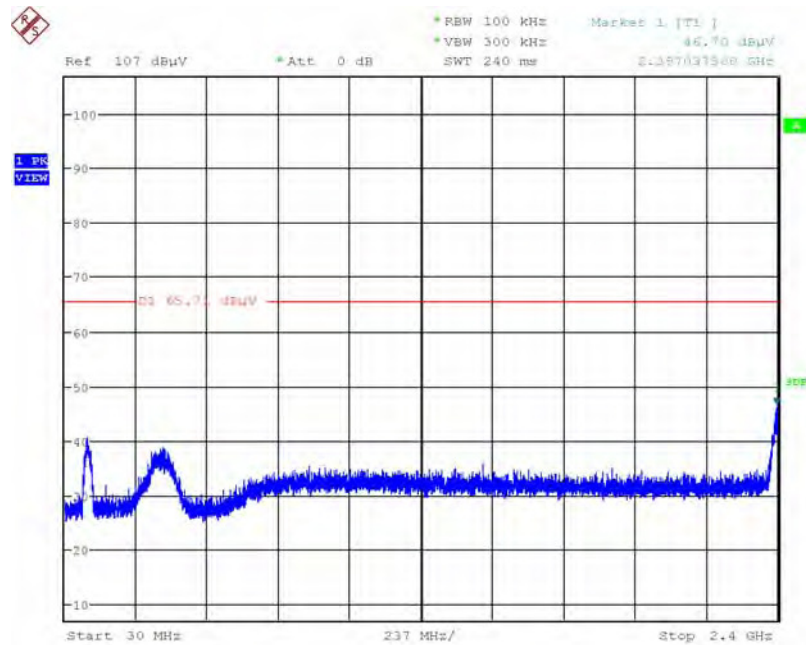
Date: 1.JUL.2015 18:45:01

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Reference Level



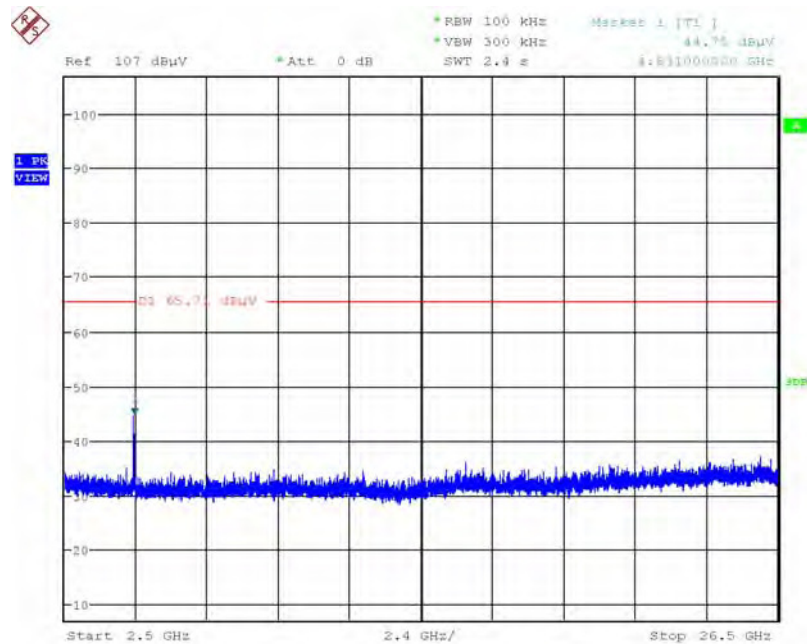
Date: 1.JUL.2015 18:29:42

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



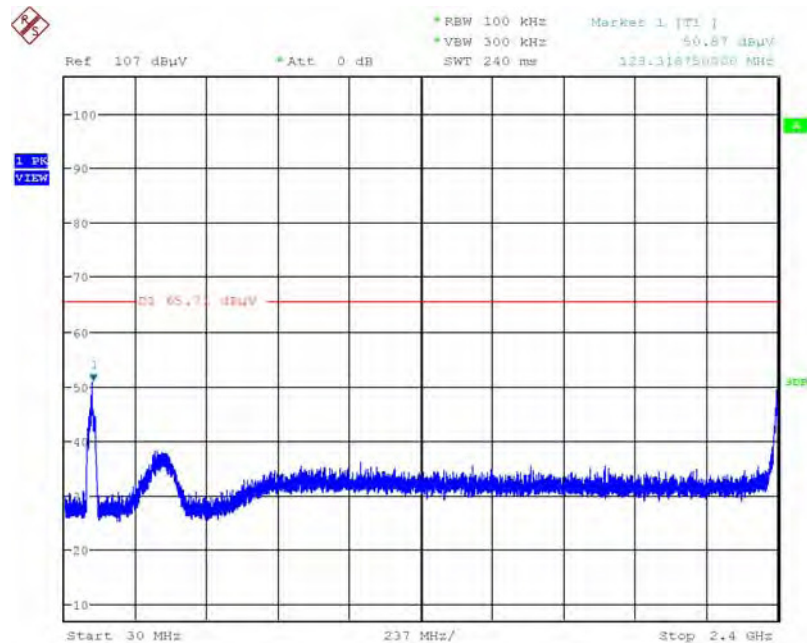
Date: 1.JUL.2015 18:34:04

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



Date: 1.JUL.2015 18:35:36

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 1.JUL.2015 18:39:13



Ref 107 dBμV *Att 0 dB *RBW 100 kHz Marker 1 [T1] 47.28 dBμV
*VBW 300 kHz SWI 2.4 s 4.861000000 GHz

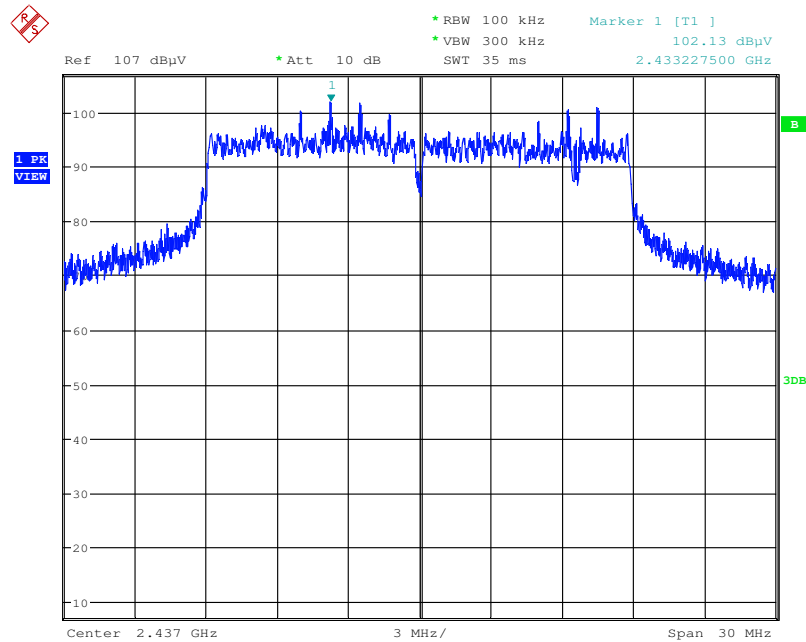
1 PK
V120V

Start 2.5 GHz 2.4 GHz/ Stop 26.5 GHz

Date: 1.JUL.2015 18:36:25

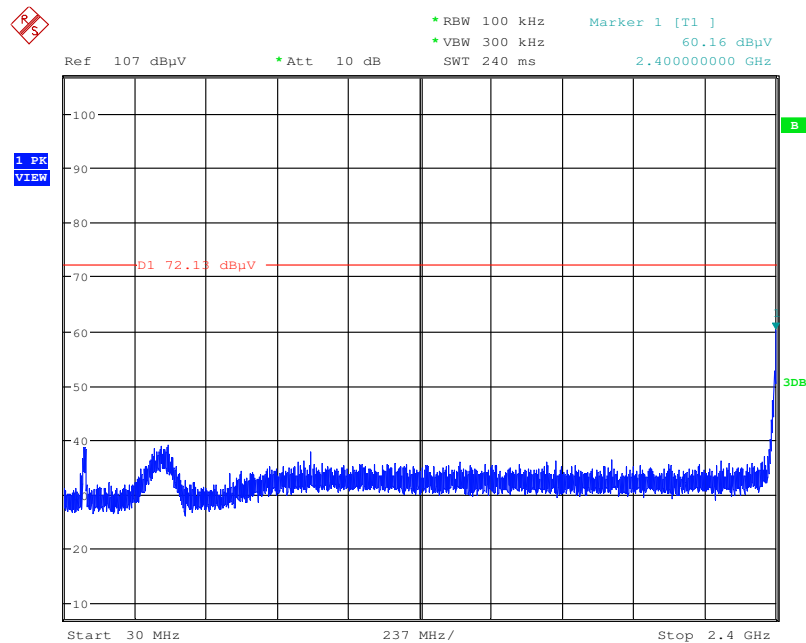
<For Radio 1 Non-beamforming Mode>: 3TX, 3S

Plot on Configuration IEEE 802. MCS0/Nss3 VHT20 / Reference Level



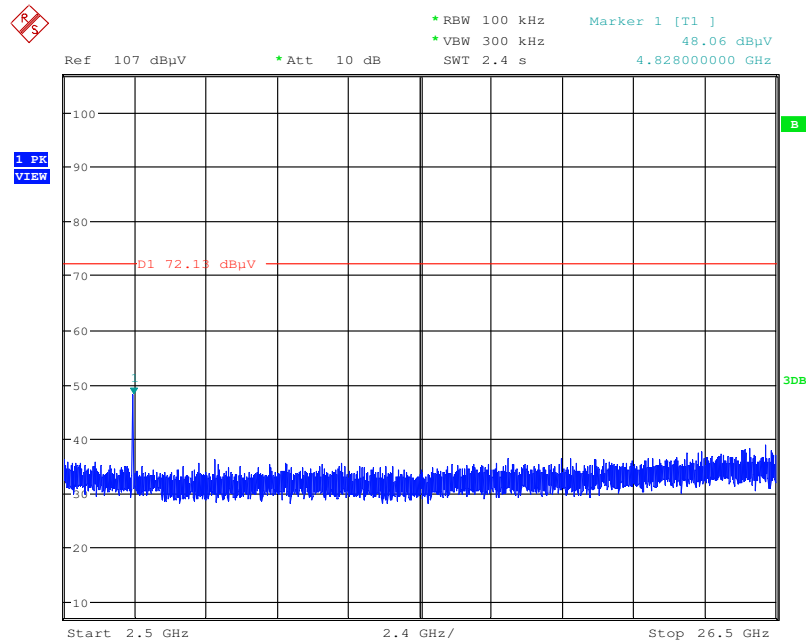
Date: 1.JUL.2015 23:23:33

Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



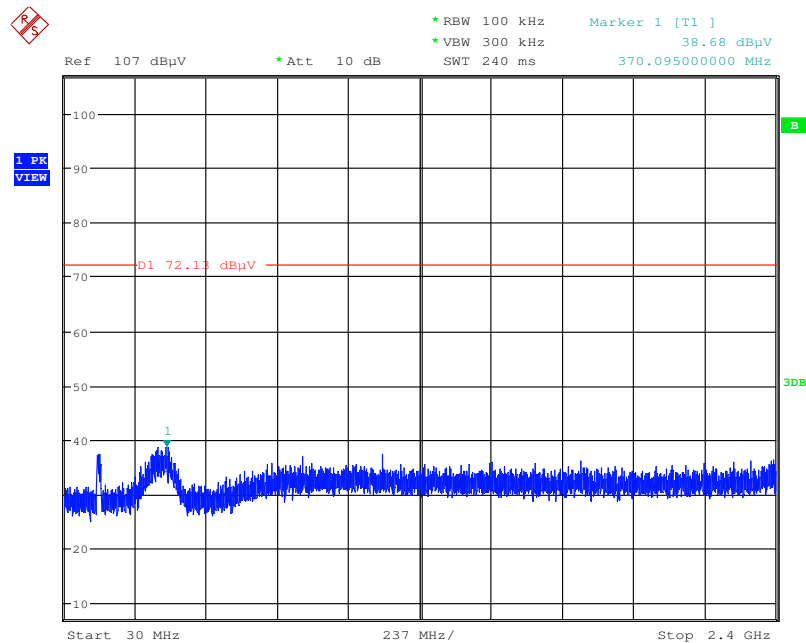
Date: 1.JUL.2015 23:25:25

Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



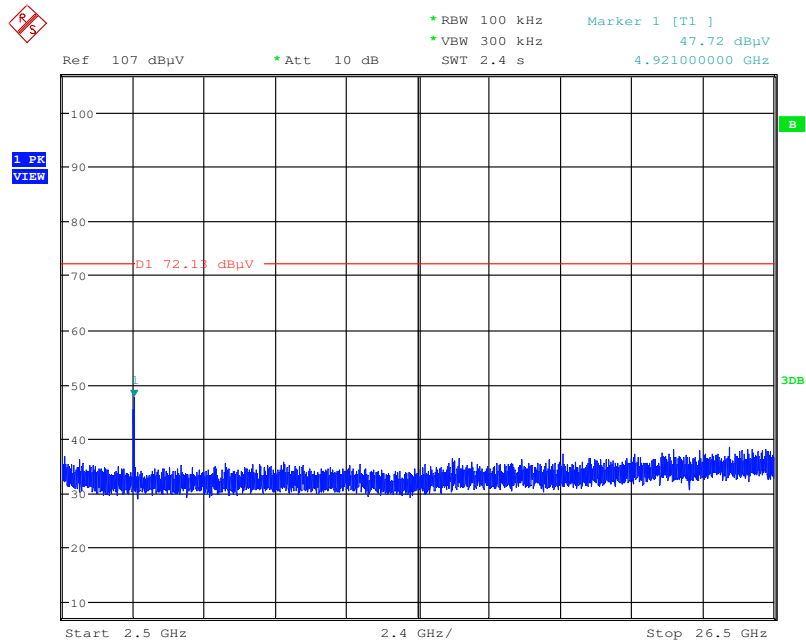
Date: 1.JUL.2015 23:26:09

Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



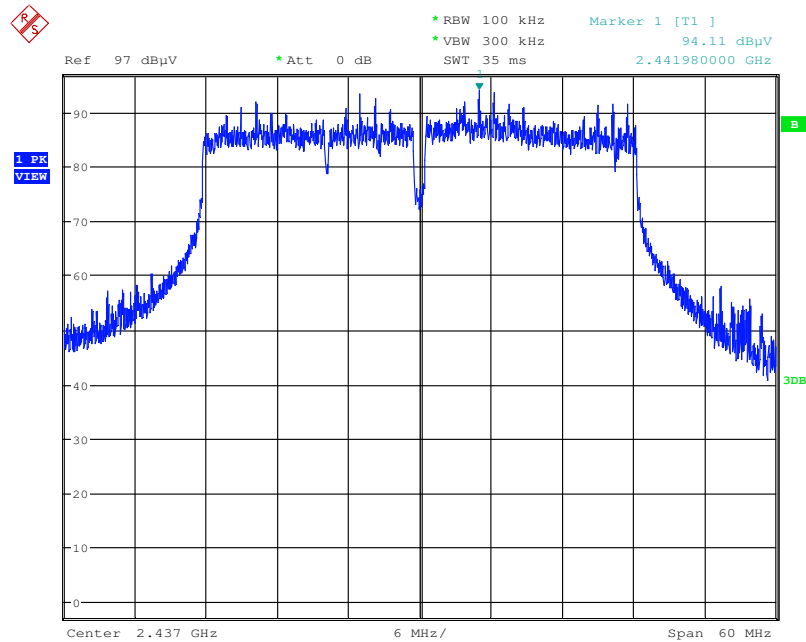
Date: 1.JUL.2015 23:27:32

Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



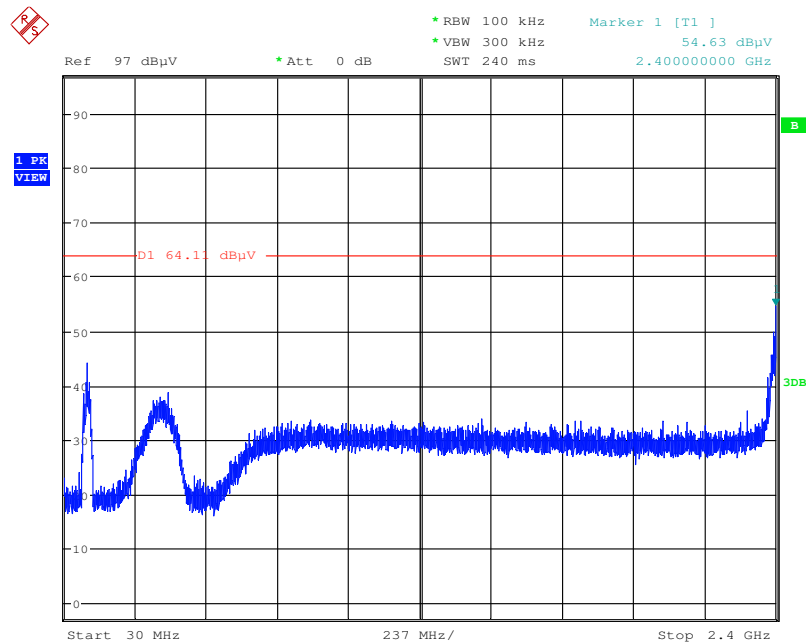
Date: 1.JUL.2015 23:27:06

Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Reference Level



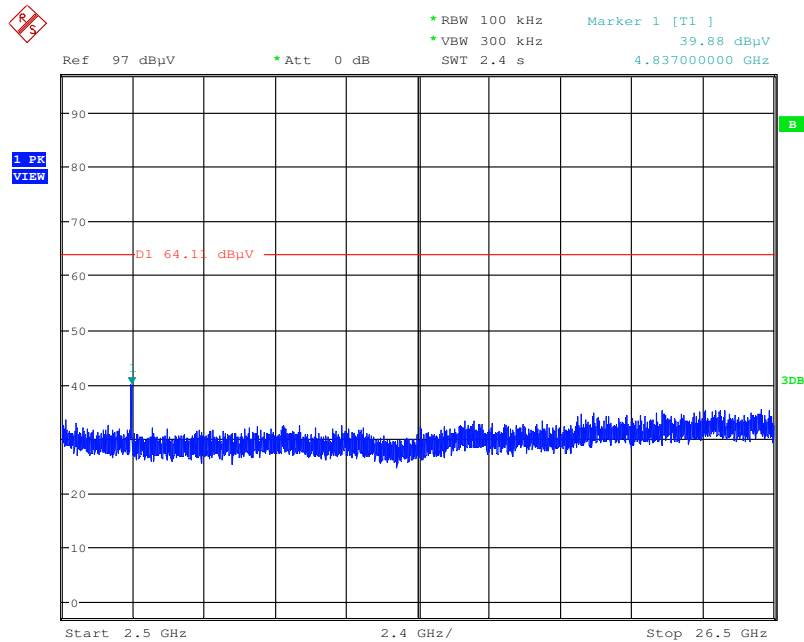
Date: 1.JUL.2015 23:15:29

Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



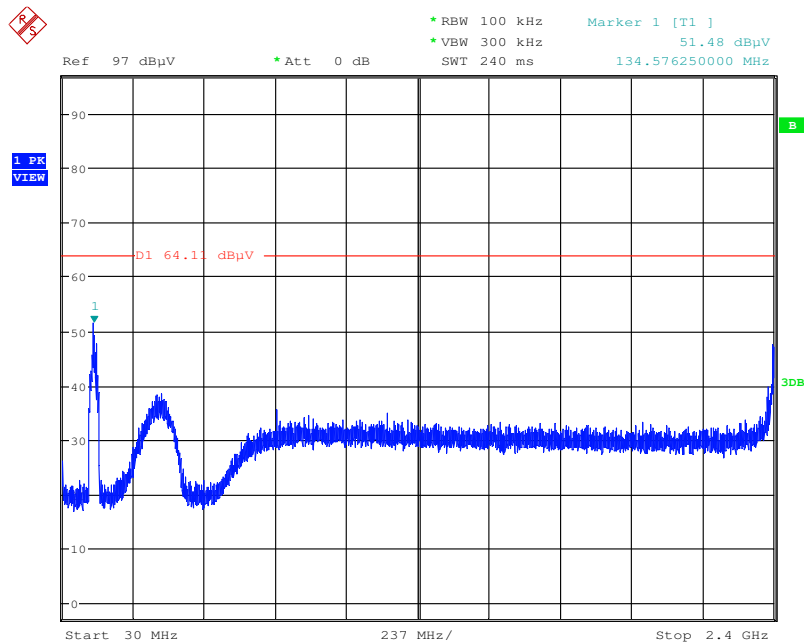
Date: 1.JUL.2015 23:17:57

Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



Date: 1.JUL.2015 23:18:46

Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)

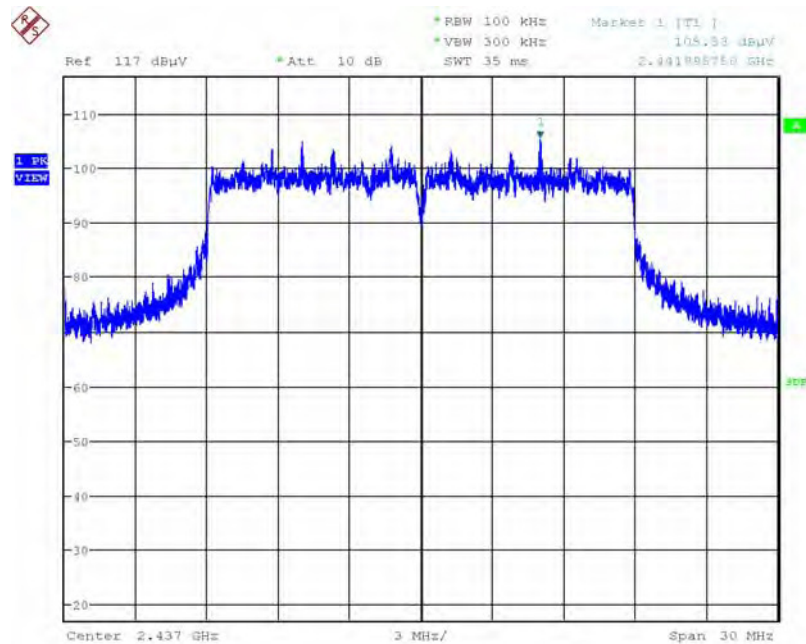


Date: 1.JUL.2015 23:20:23



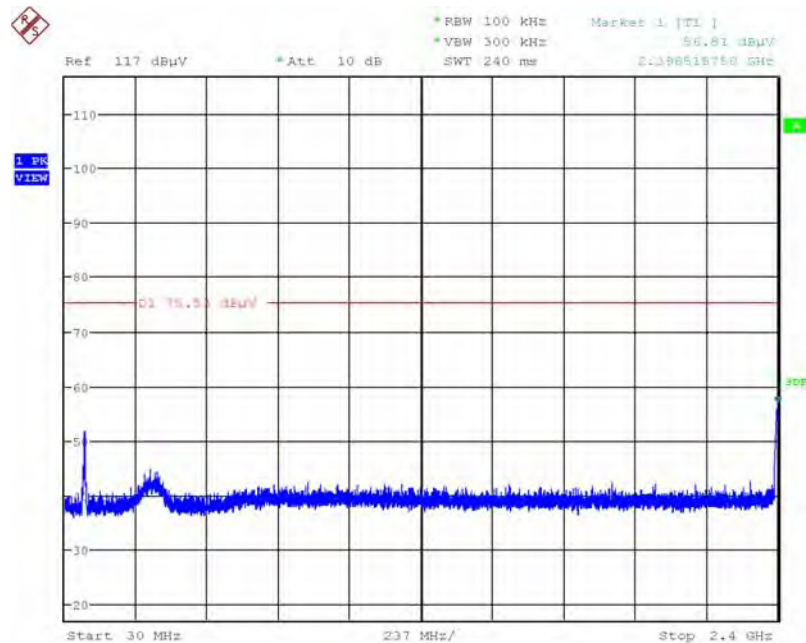
<For Radio 1 Beamforming Mode>: 2TX, 1S

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Reference Level



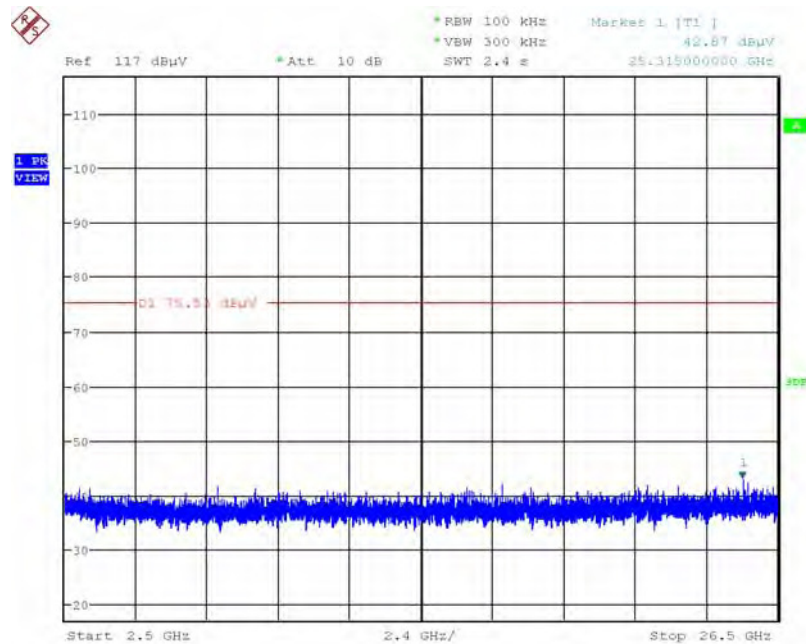
Date: 12.JUL.2015 19:59:52

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



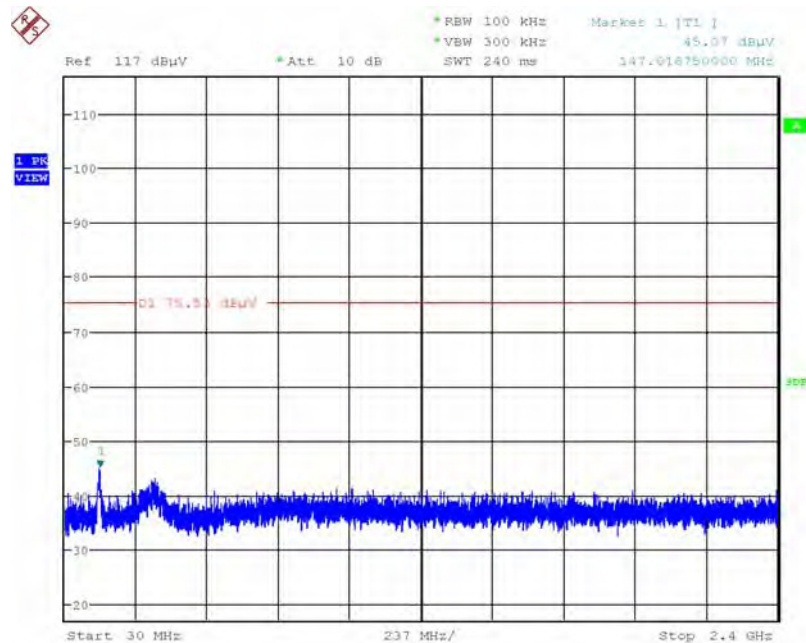
Date: 12.JUL.2015 20:01:45

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



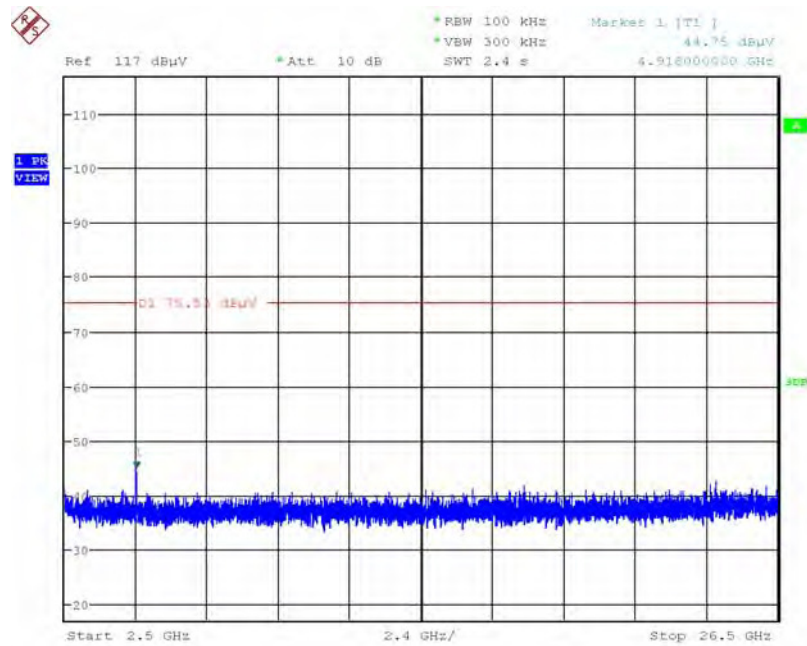
Date: 12.JUL.2015 20:02:05

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



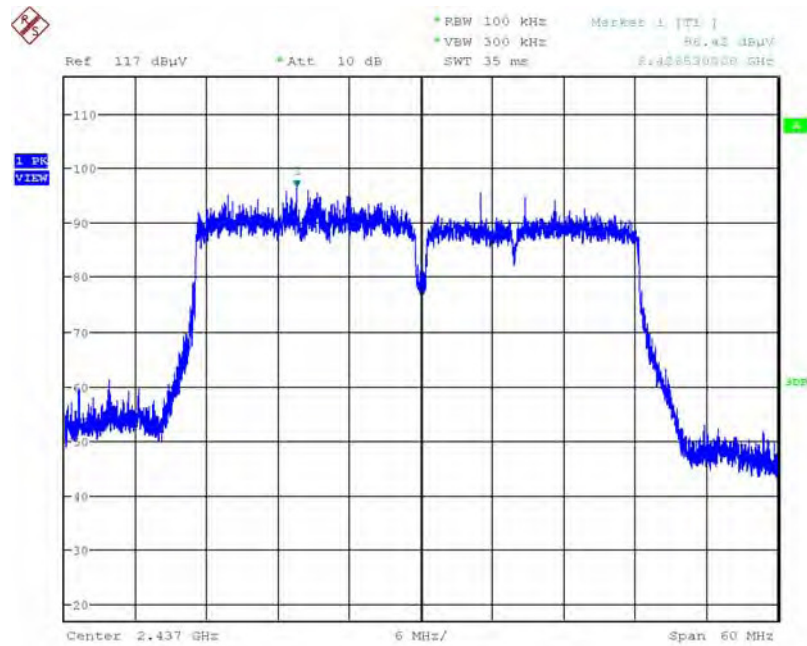
Date: 12.JUL.2015 20:03:54

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



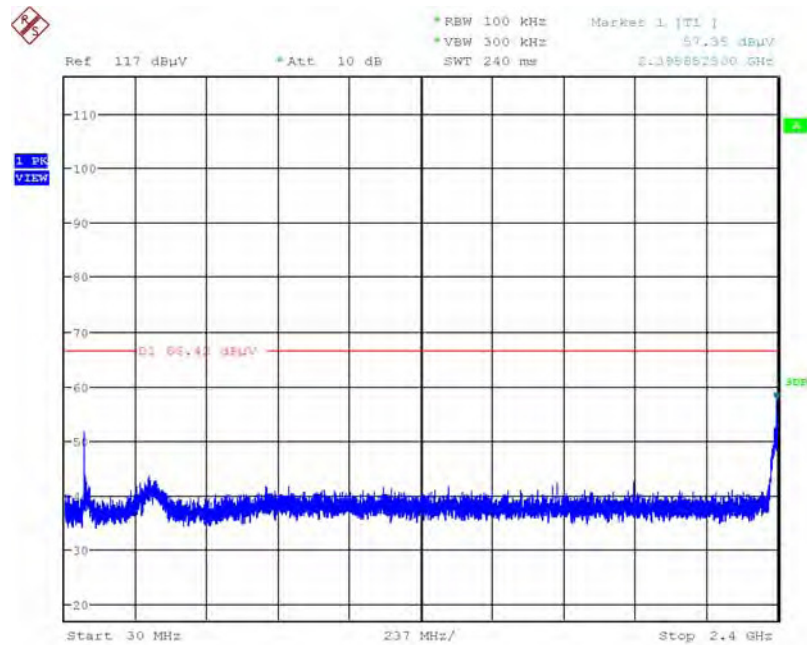
Date: 12.JUL.2015 20:04:15

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



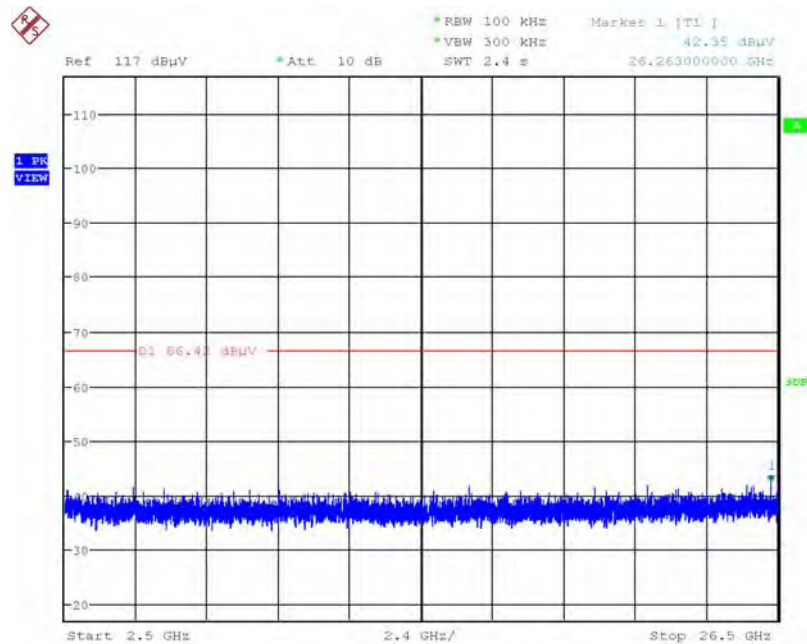
Date: 12.JUL.2015 20:05:47

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



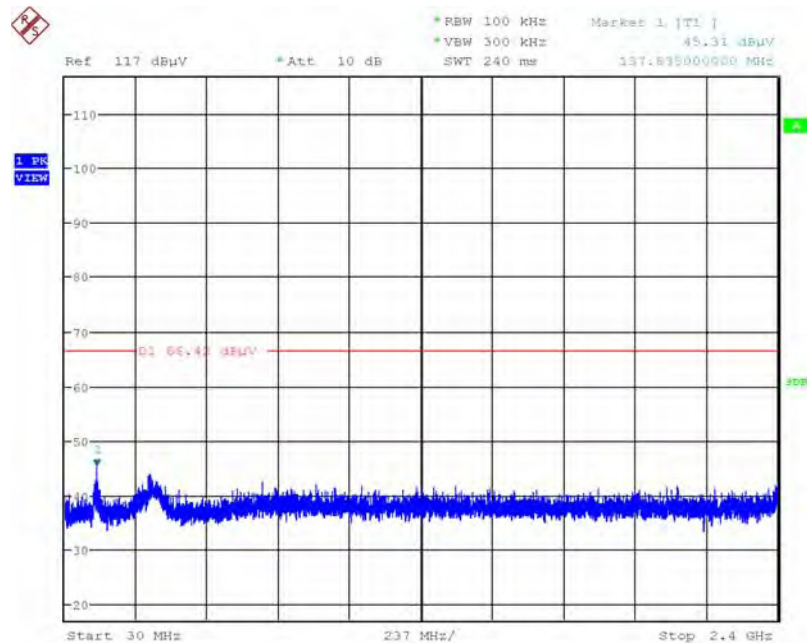
Date: 12.JUL.2015 20:07:08

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



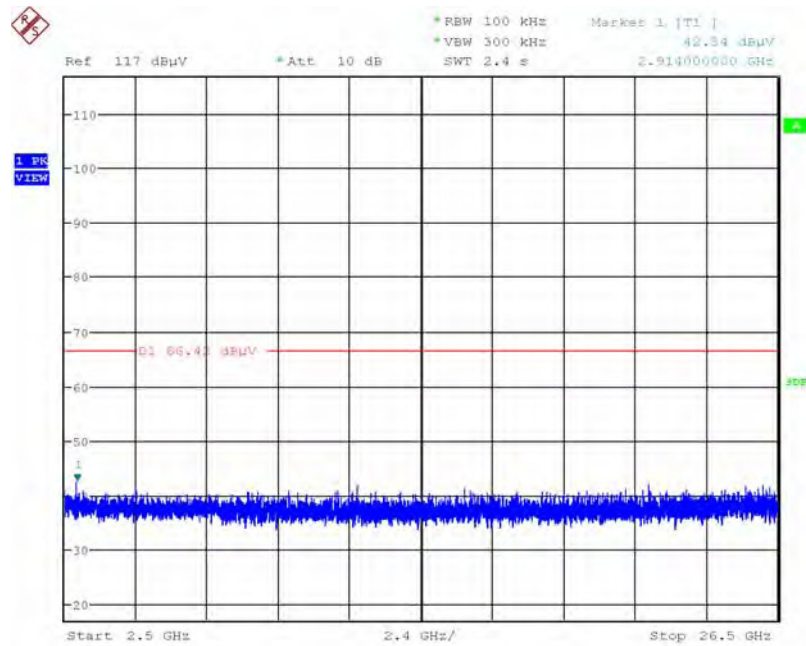
Date: 12.JUL.2015 20:07:41

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 12.JUL.2015 20:09:06

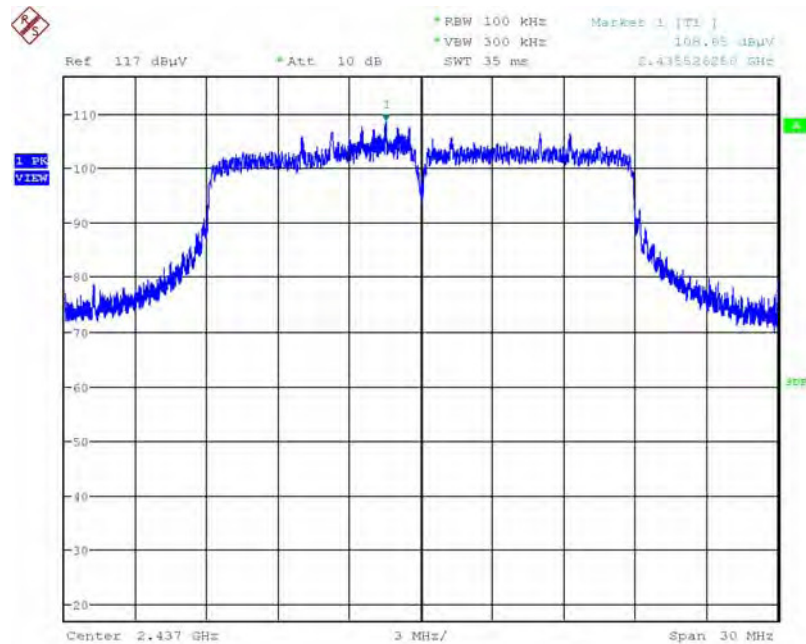
Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 12.JUL.2015 20:09:25

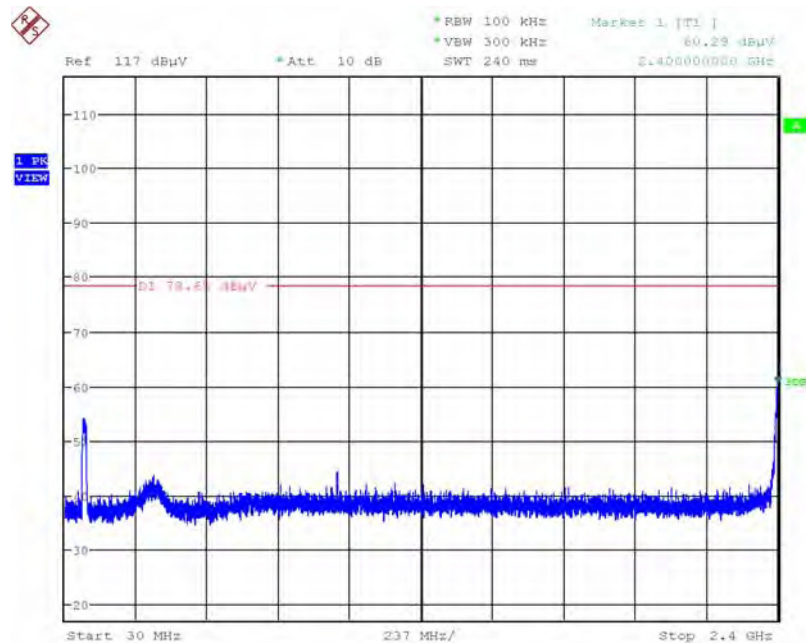
<For Radio 1 Beamforming Mode>: 3TX, 1S

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20/ Reference Level



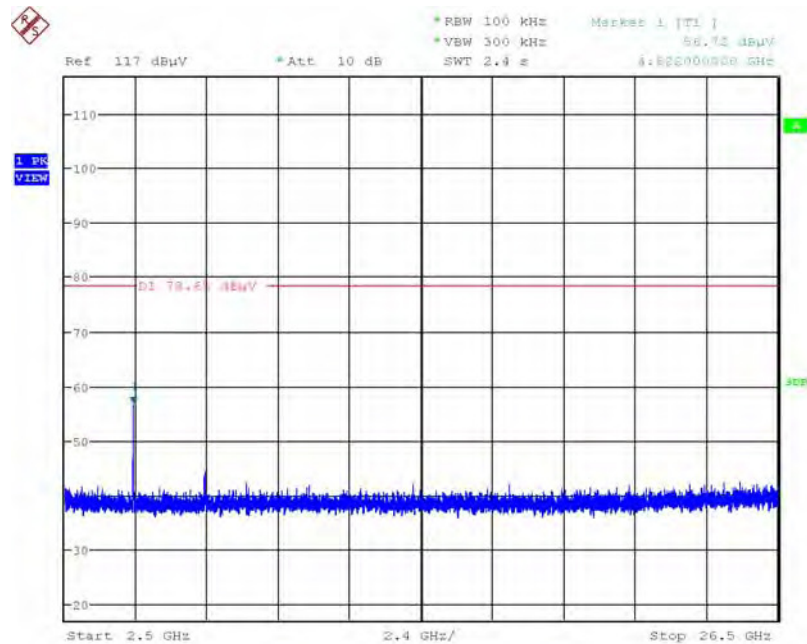
Date: 12.JUL.2015 19:07:46

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



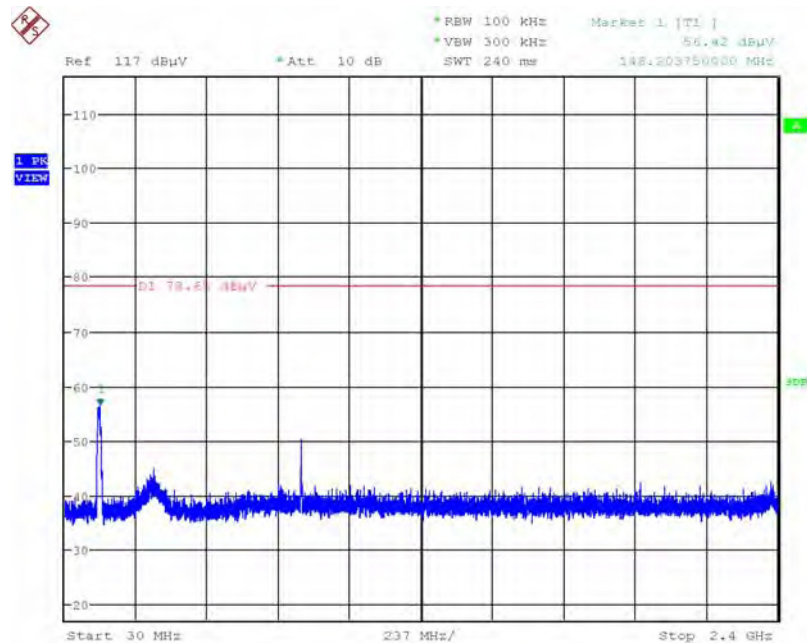
Date: 12.JUL.2015 19:09:52

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



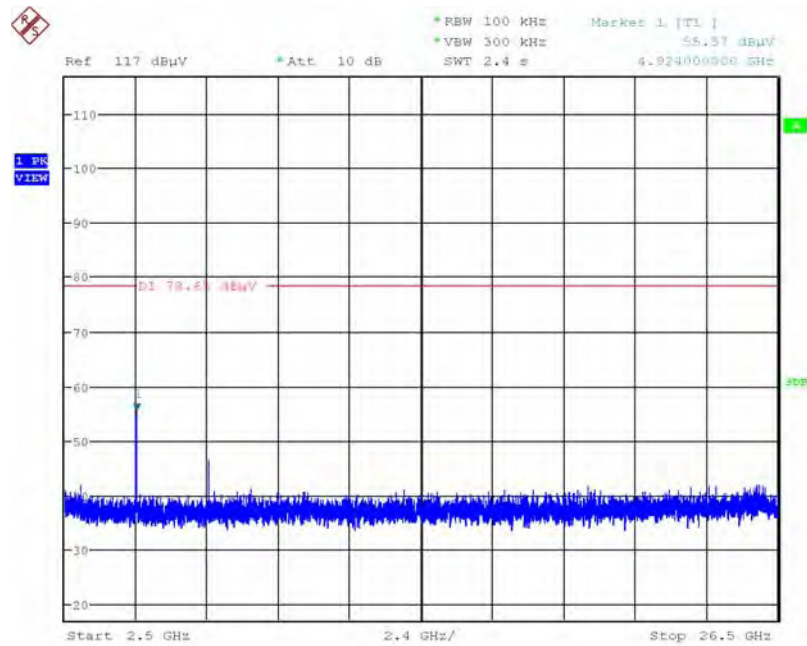
Date: 12.JUL.2015 19:10:56

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



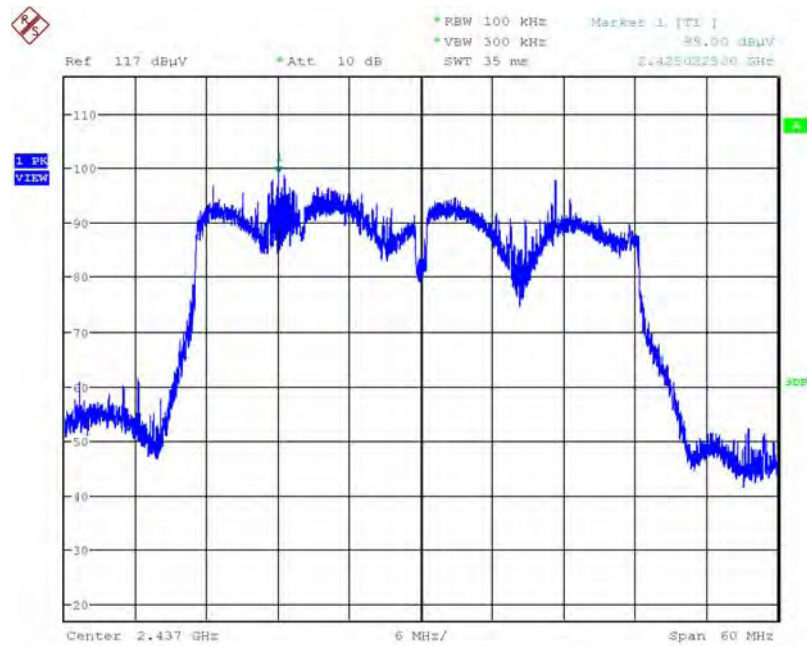
Date: 12.JUL.2015 19:12:51

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



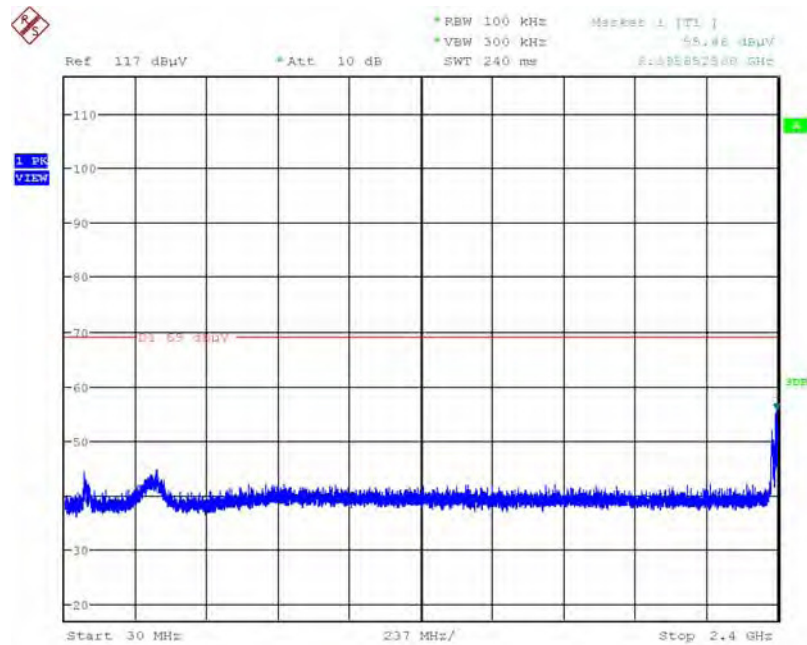
Date: 12.JUL.2015 19:13:29

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



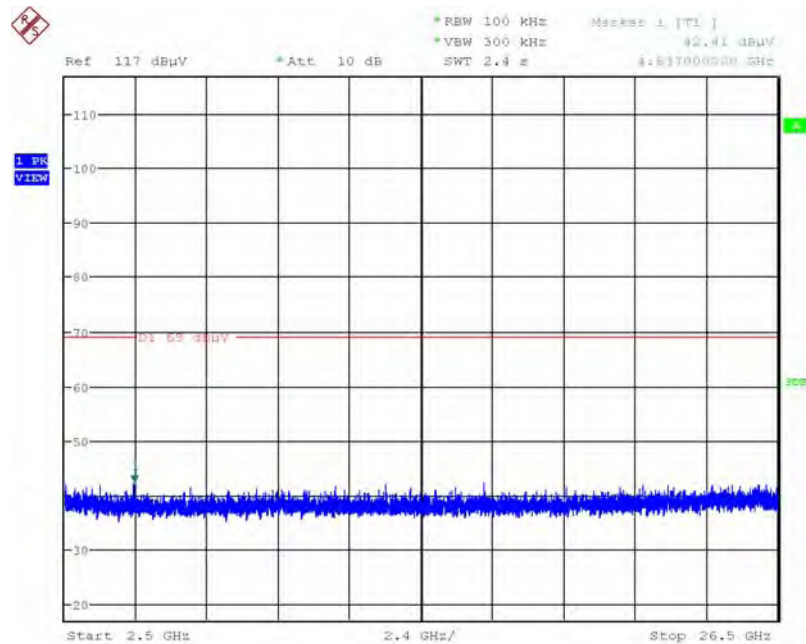
Date: 12.JUL.2015 19:16:29

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



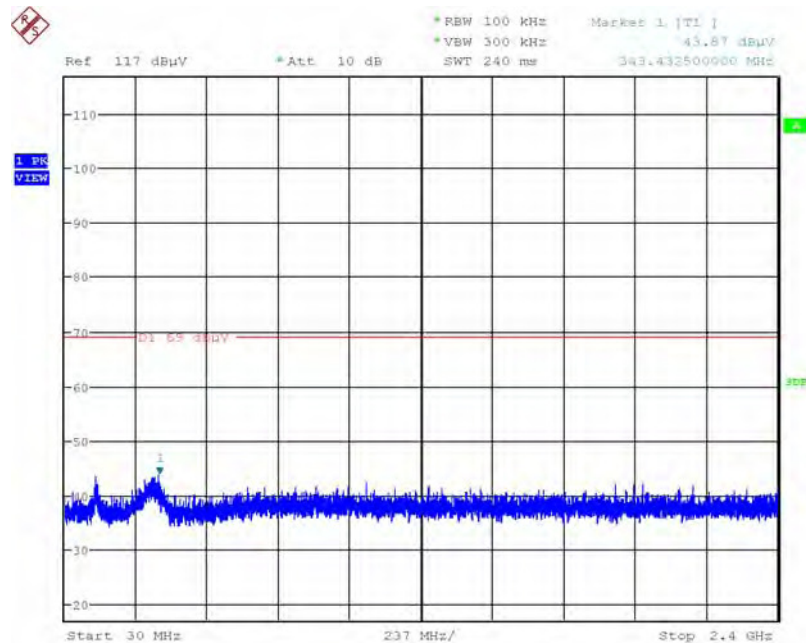
Date: 12.JUL.2015 19:18:49

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



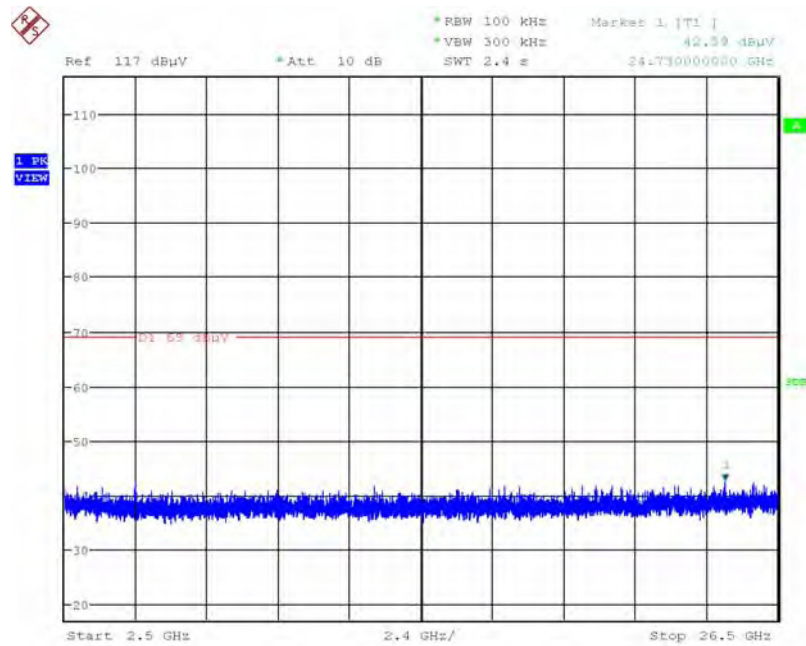
Date: 12.JUL.2015 19:19:12

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 12.JUL.2015 19:20:41

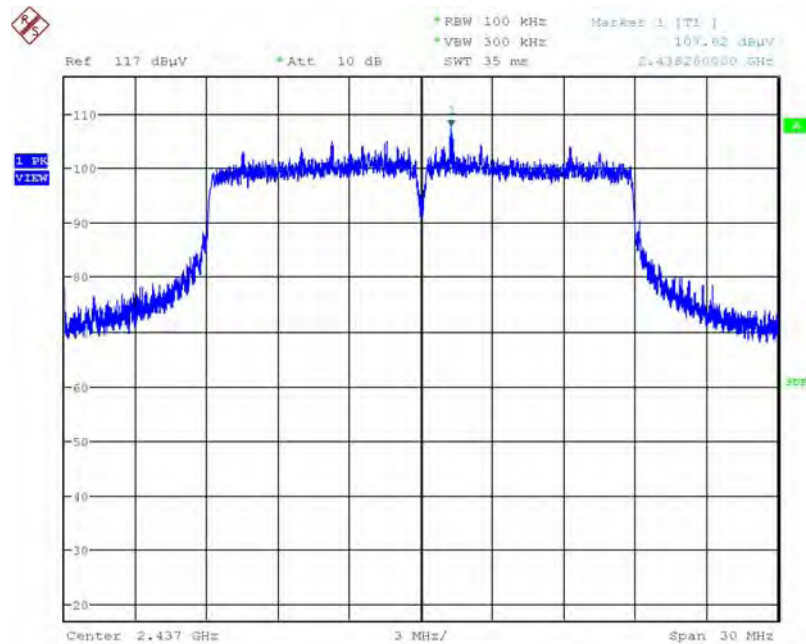
Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 12.JUL.2015 19:21:14

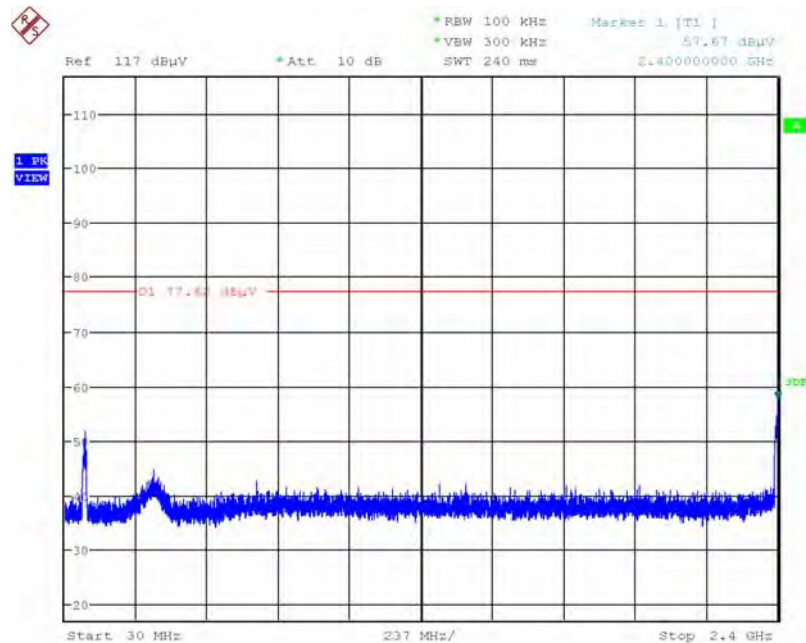
<For Radio 1 Beamforming Mode>: 3TX, 2S

Plot on Configuration IEEE 802. MCS0/Nss2 VHT20 / Reference Level



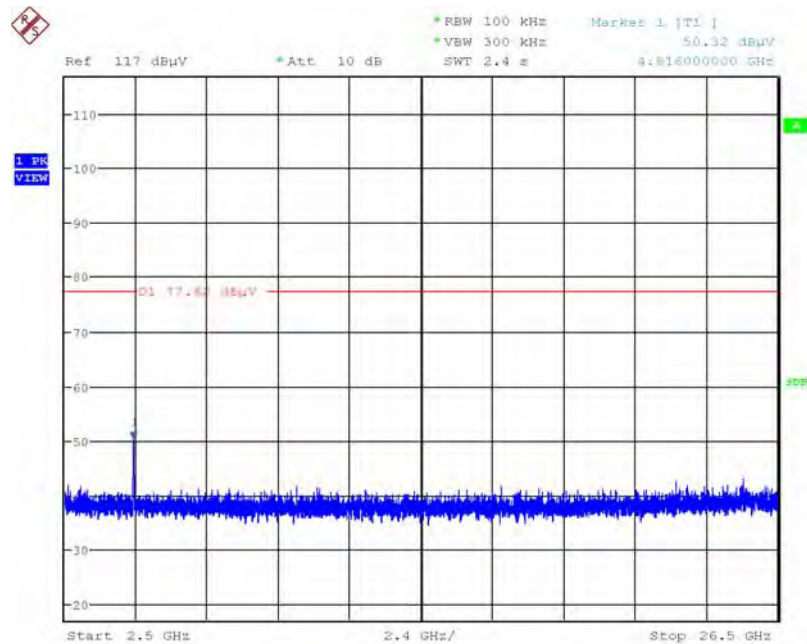
Date: 12.JUL.2015 19:45:52

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



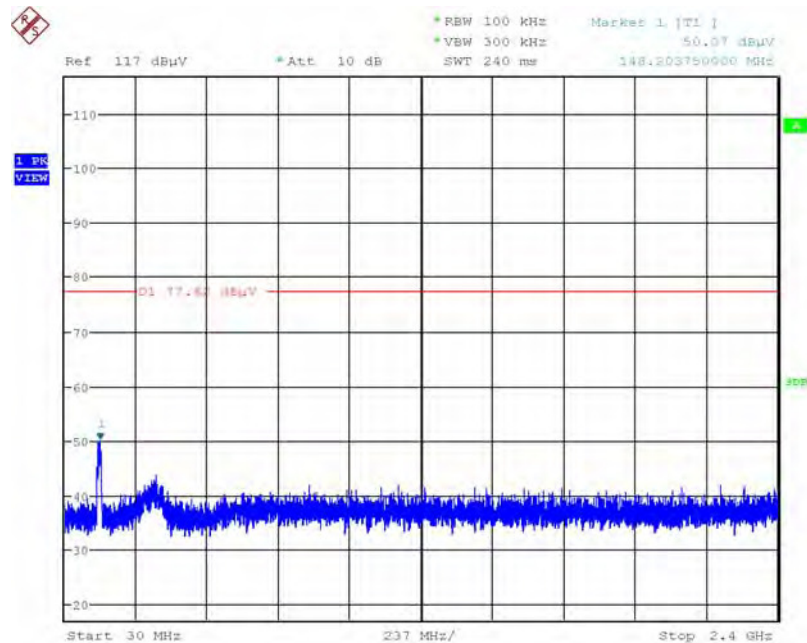
Date: 12.JUL.2015 19:47:40

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



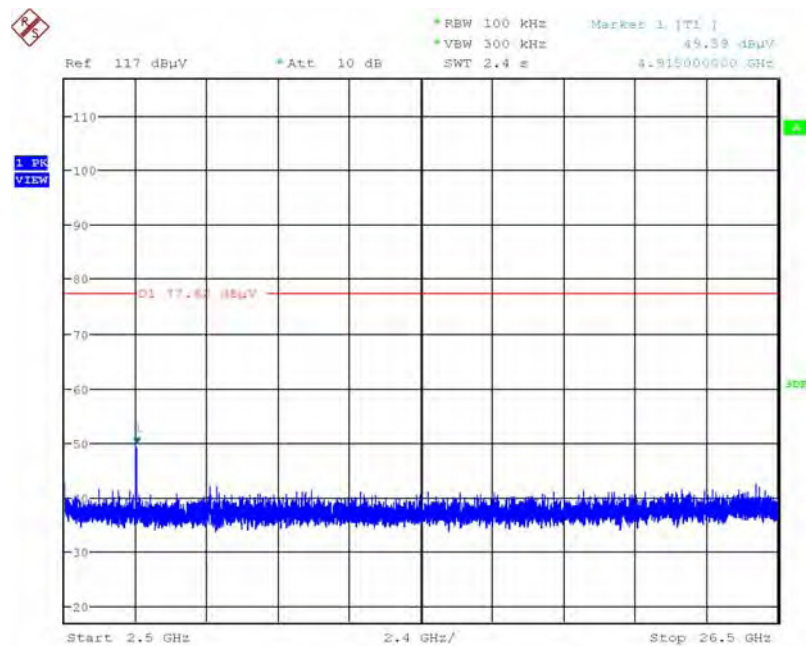
Date: 12.JUL.2015 19:48:11

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



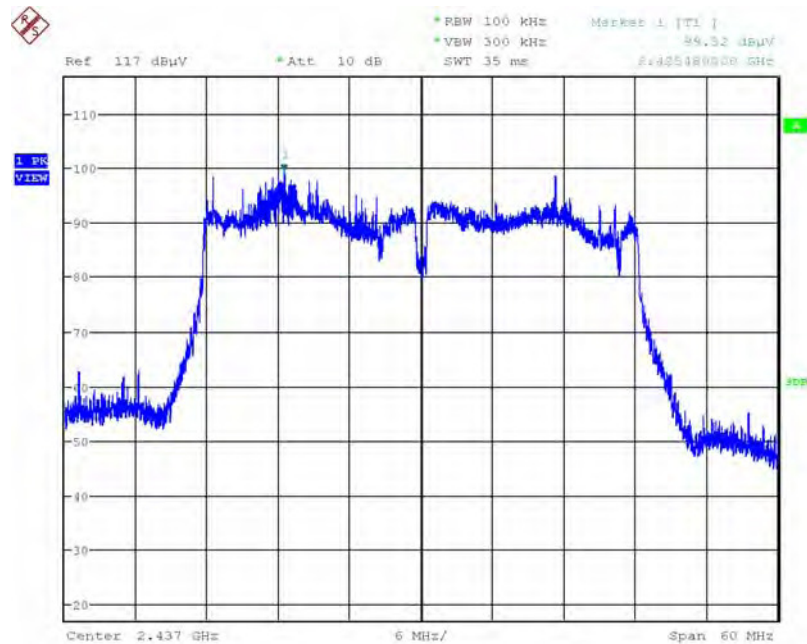
Date: 12.JUL.2015 19:49:35

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



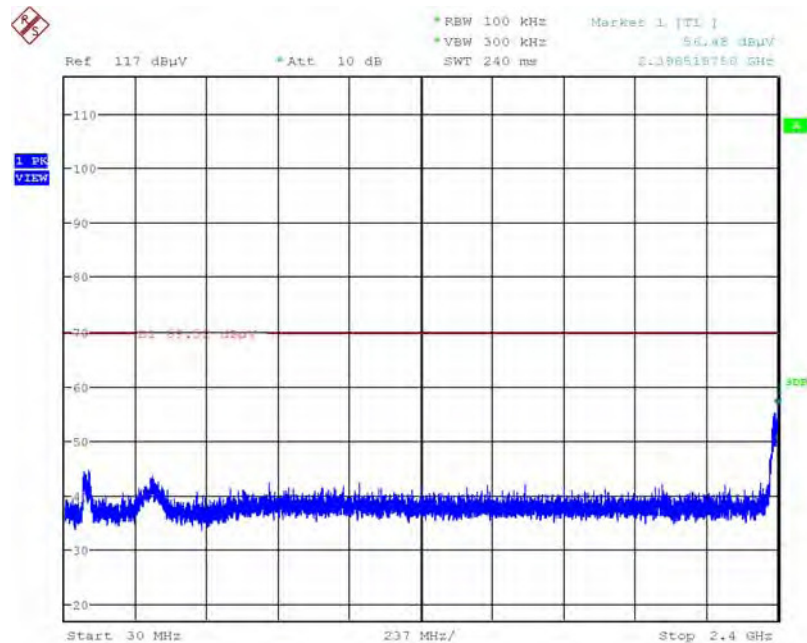
Date: 12.JUL.2015 19:50:05

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Reference Level



Date: 12.JUL.2015 19:52:43

Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



Date: 12.JUL.2015 19:54:18



The screenshot shows a spectrum analyzer interface with the following details:

- Top Bar:**
 - Left: A red square icon with a white 'A' and '3'.
 - Center: "Ref 117 dBuV" and "* Att. 10 dB".
 - Right: "* RBW 100 kHz", "Marker 1 [T1]", "* VBW 300 kHz", "44.13 dBuV", and "4.882000000 GHz".
- Grid:** A 10x10 grid with major lines every 10 dB on the vertical axis and every 1 GHz on the horizontal axis.
- Vertical Axis (dBuV):** Labeled from 20 to 110 in increments of 10.
- Horizontal Axis (GHz):** Labeled "Start 2.5 GHz", "2.4 GHz/", and "Stop 26.5 GHz".
- Trace:** A blue, noisy signal centered around 40 dBuV. A small peak is visible near 2.5 GHz.
- Reference Line:** A horizontal red line at 70 dBuV, labeled "70 dBuV".
- Buttons:** A blue button labeled "1 PK VIEW" is on the left side.

Ref 117 dBμV * Att. 10 dB * RBW 100 kHz Marker 1 [T1] 45.01 dBμV
 * VBW 300 kHz SWT 240 ms 129.83625000 MHz

110
 100
 90
 80
 70
 60
 50
 40
 30
 20

Start 30 MHz 237 MHz/ Stop 2.4 GHz

Issued Date : Aug. 17, 2015



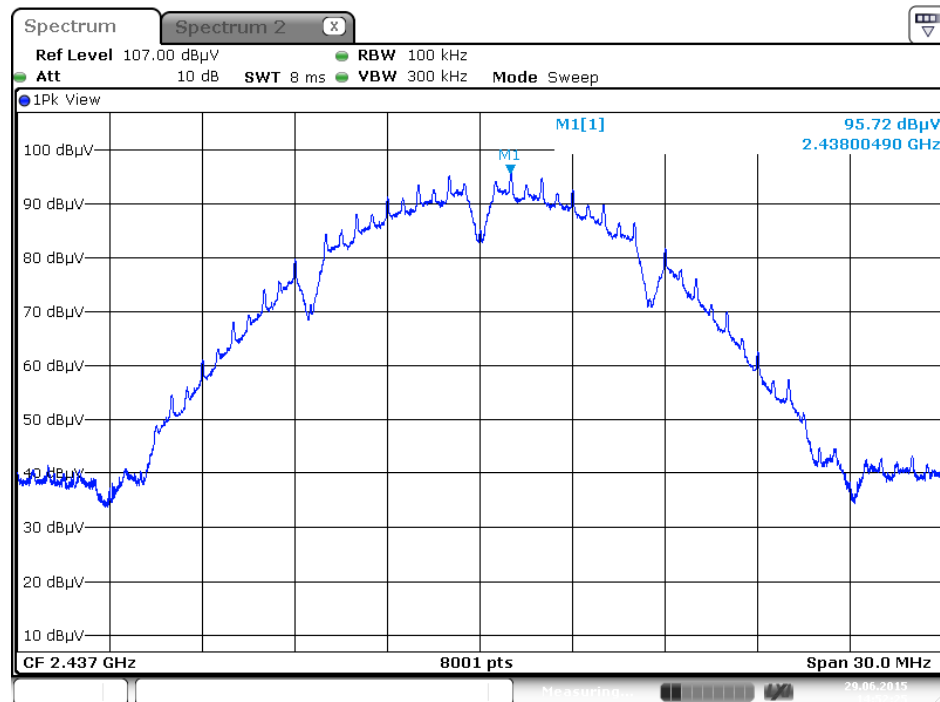
Ref 117 dBuV *Att 10 dB *RBW 100 kHz Marker 1 [T1] *VBW 300 kHz 44.61 dBmV
 SWT 2.4 s 4.894000000 GHz

Start 2.5 GHz 2.4 GHz/ Stop 26.5 GHz

Date: 12.JUL.2015 19:56:56

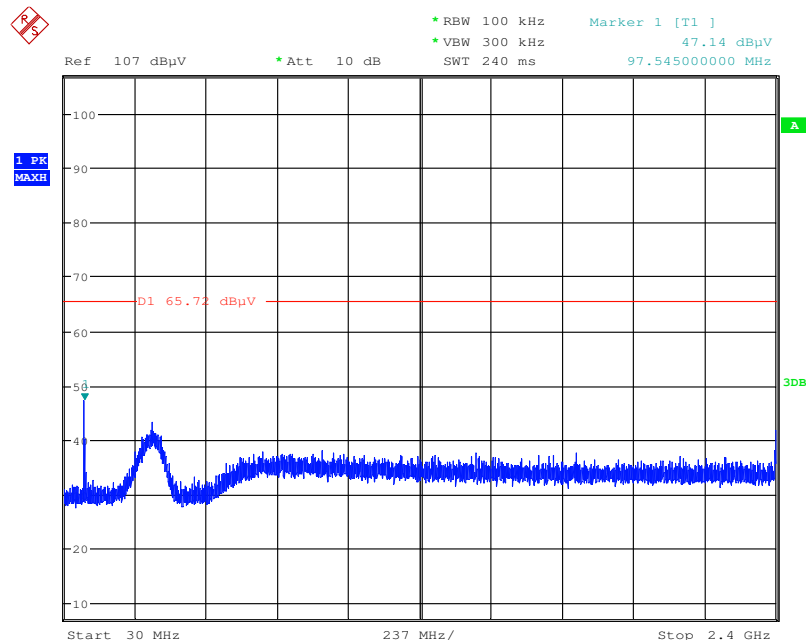
<For Radio 3>

Plot on Configuration IEEE 802.11b / Reference Level



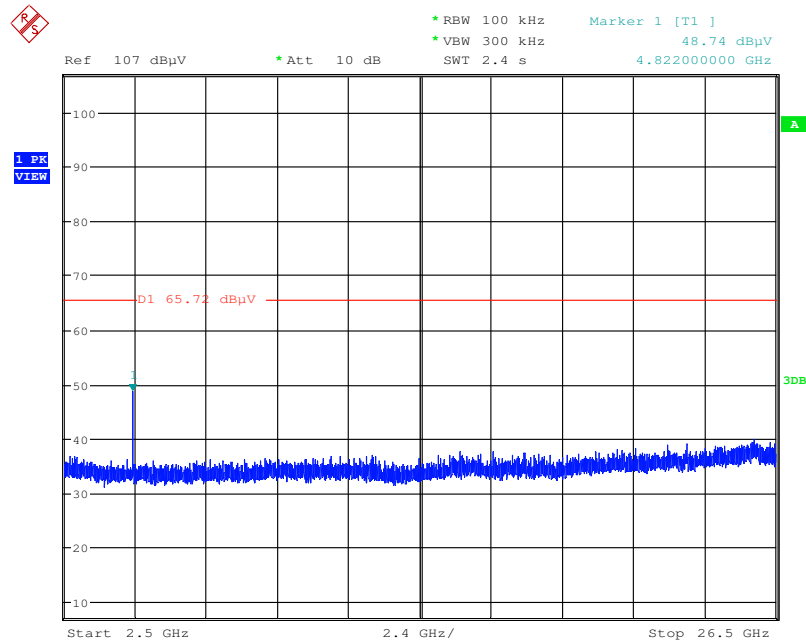
Date: 29.JUN.2015 14:52:25

Plot on Configuration IEEE 802.11b / CH 1 / 30MHz~2400MHz (down 30dBc)



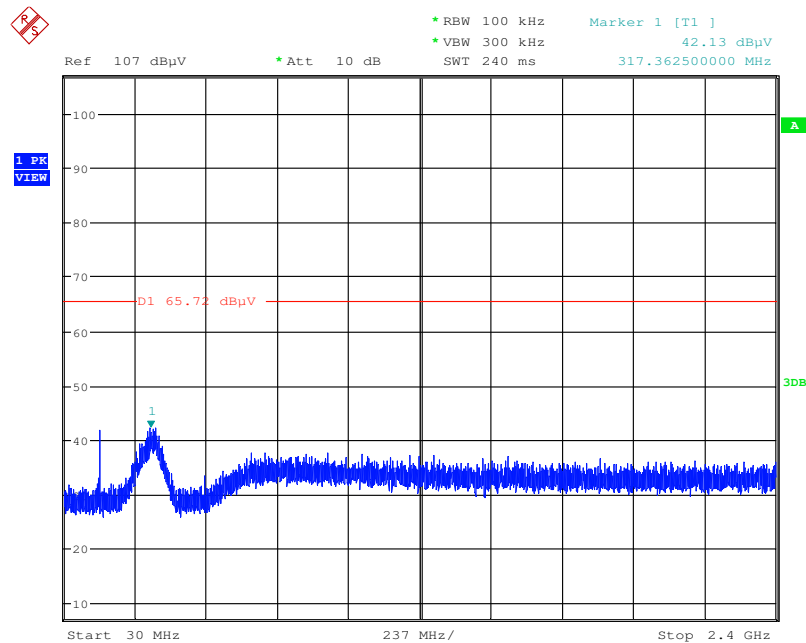
Date: 29.JUN.2015 17:17:41

Plot on Configuration IEEE 802.11b / CH 1 / 2500MHz~26500MHz (down 30dBc)



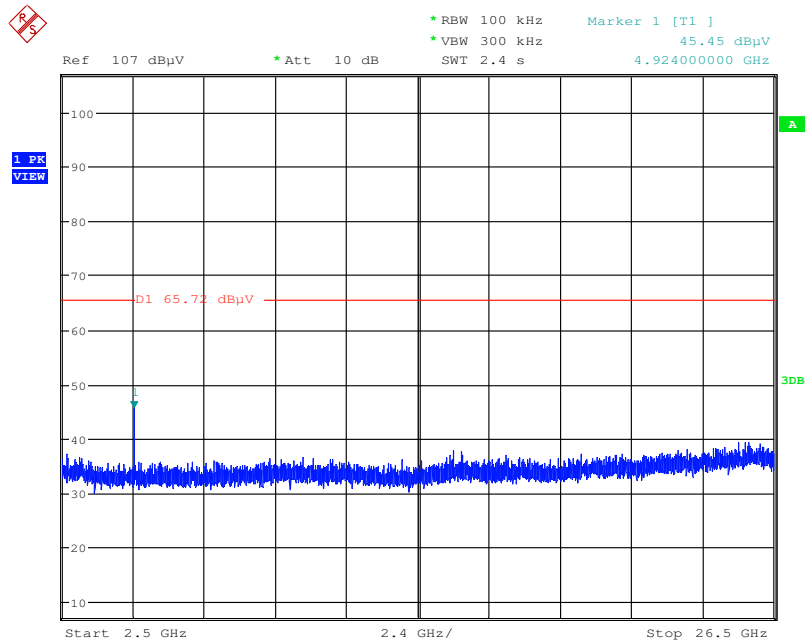
Date: 29.JUN.2015 16:35:17

Plot on Configuration IEEE 802.11b / CH 11 / 30MHz~2400MHz (down 30dBc)



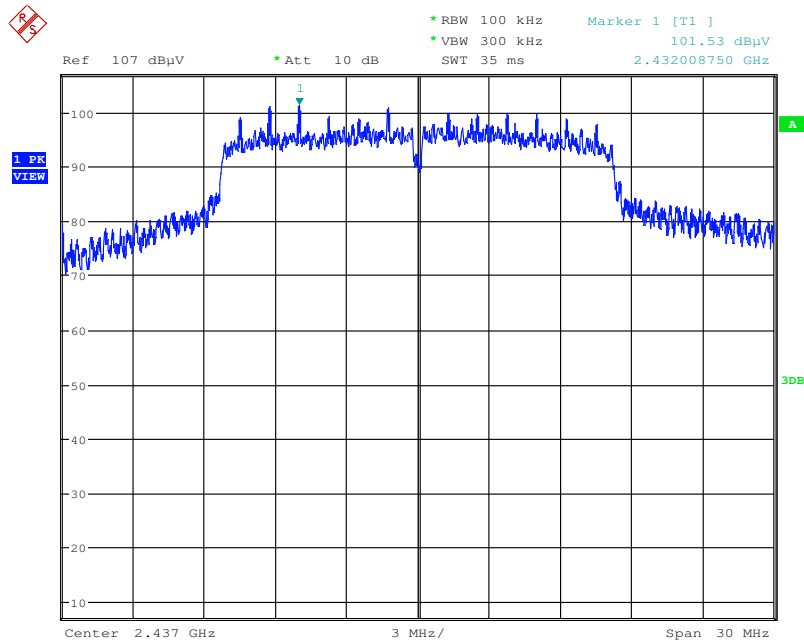
Date: 29.JUN.2015 16:38:28

Plot on Configuration IEEE 802.11b / CH 11 / 2500MHz~26500MHz (down 30dBc)



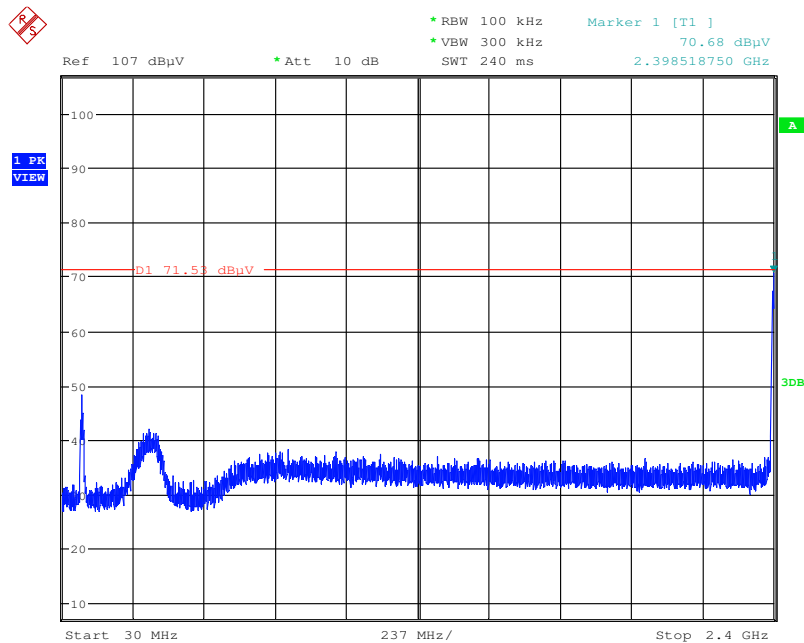
Date: 29.JUN.2015 16:38:02

Plot on Configuration IEEE 802.11g / Reference Level



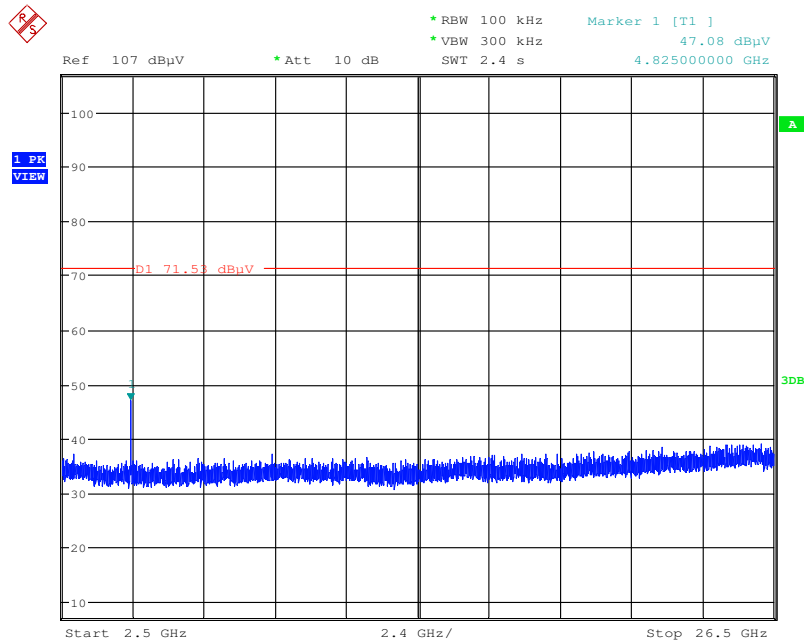
Date: 29.JUN.2015 16:50:28

Plot on Configuration IEEE 802.11g / CH 1 / 30MHz~2400MHz (down 30dBc)



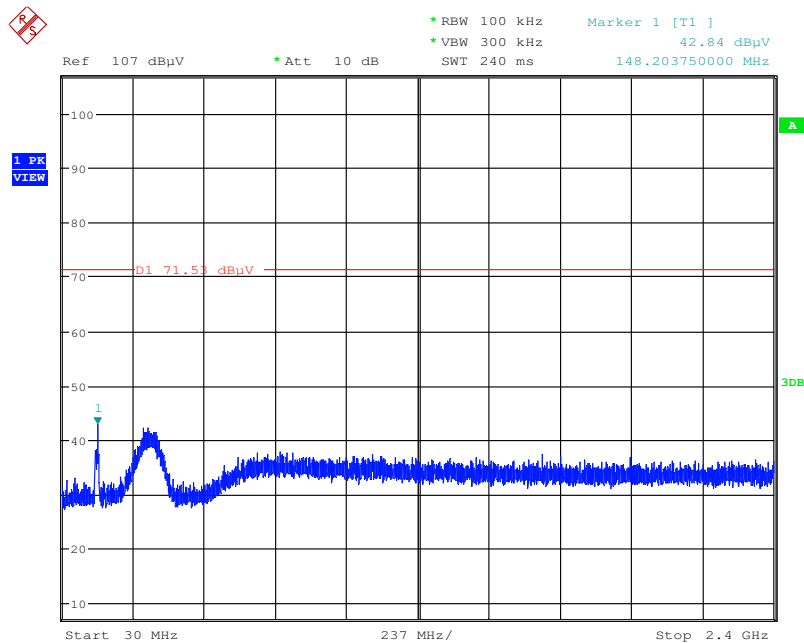
Date: 29.JUN.2015 16:53:50

Plot on Configuration IEEE 802.11g / CH 1 / 2500MHz~26500MHz (down 30dBc)



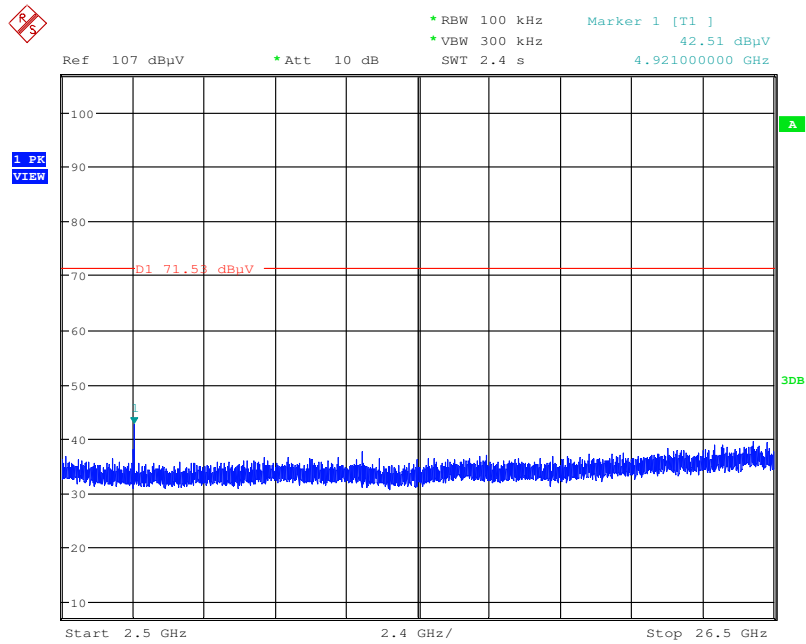
Date: 29.JUN.2015 16:54:56

Plot on Configuration IEEE 802.11g / CH 11 / 30MHz~2400MHz (down 30dBc)



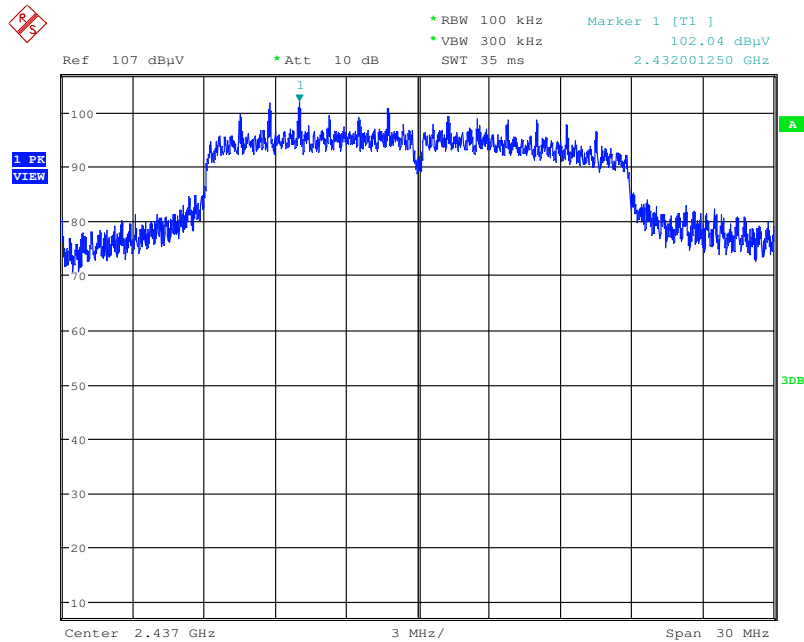
Date: 29.JUN.2015 17:00:34

Plot on Configuration IEEE 802.11g / CH 11 / 2500MHz~26500MHz (down 30dBc)



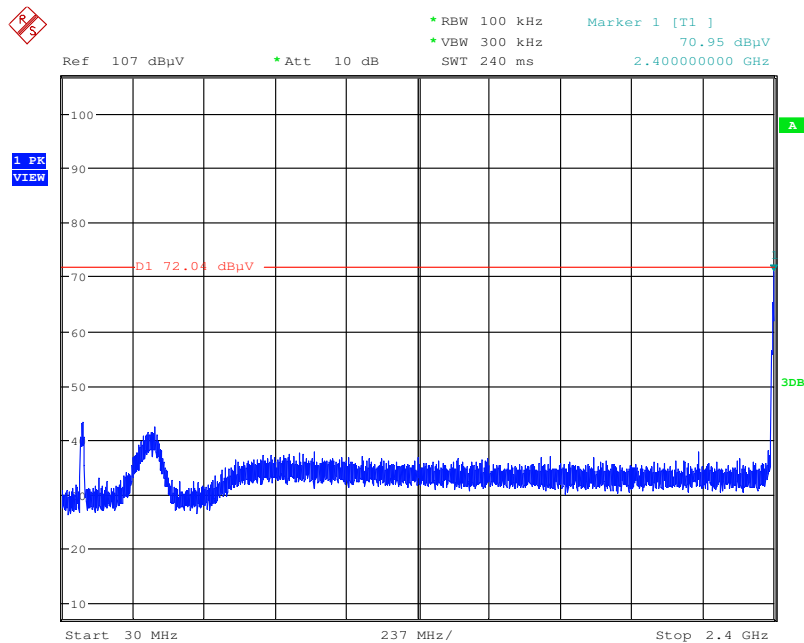
Date: 29.JUN.2015 16:59:55

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Reference Level



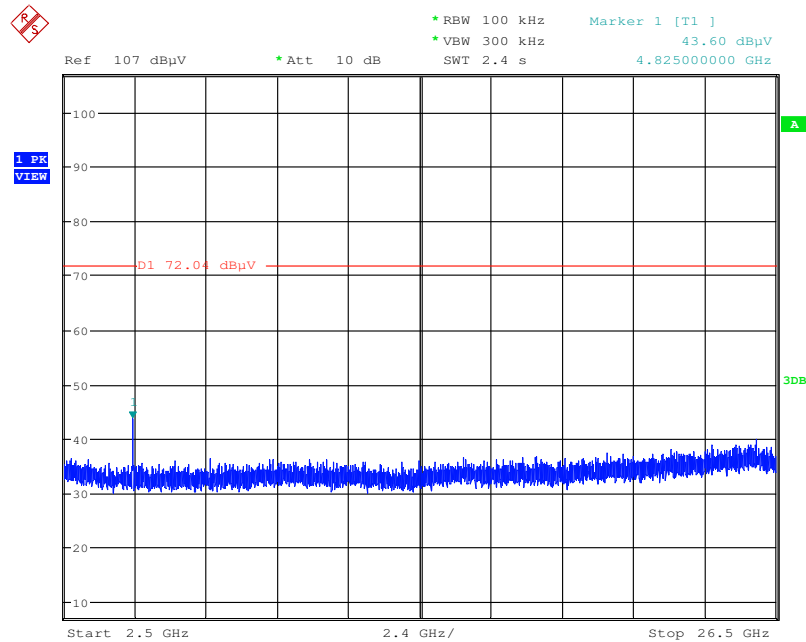
Date: 29.JUN.2015 17:11:21

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 30MHz~2400MHz (down 30dBc)



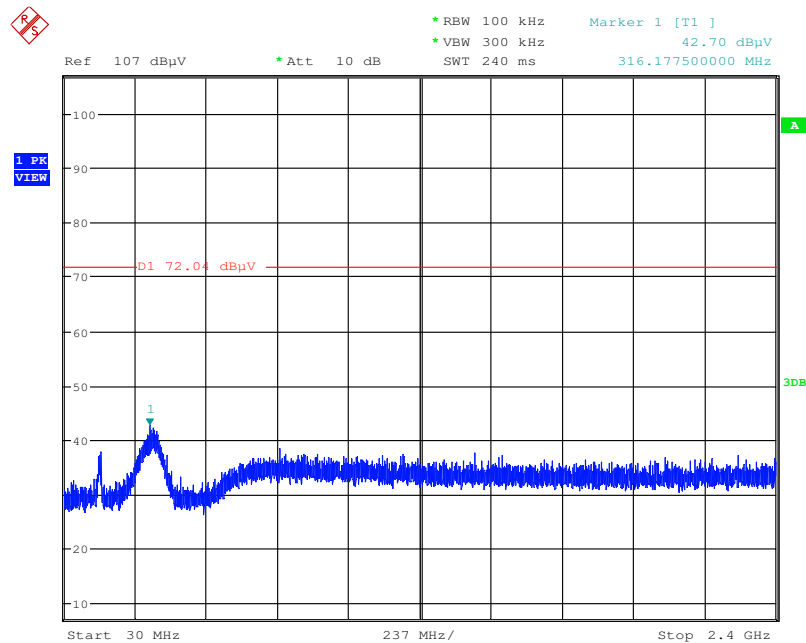
Date: 29.JUN.2015 17:12:53

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 1 / 2500MHz~26500MHz (down 30dBc)



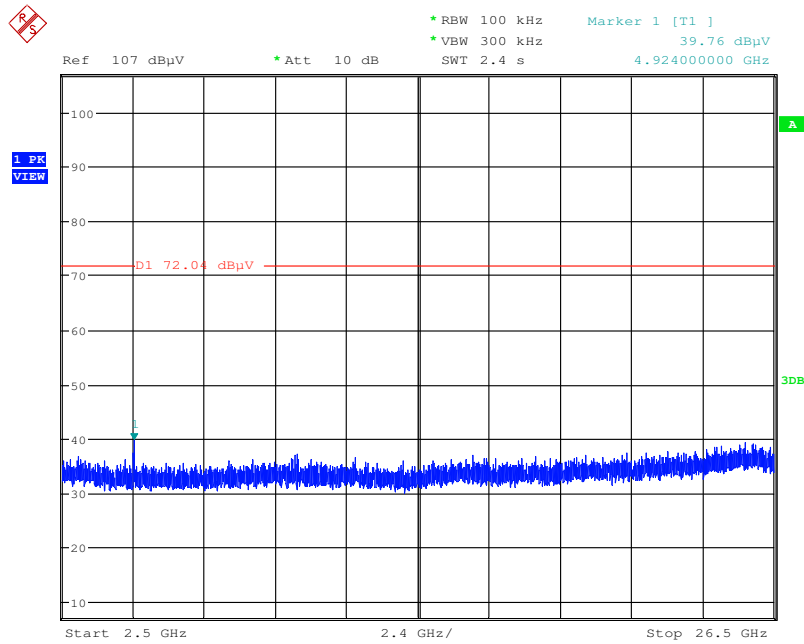
Date: 29.JUN.2015 17:15:06

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 30MHz~2400MHz (down 30dBc)



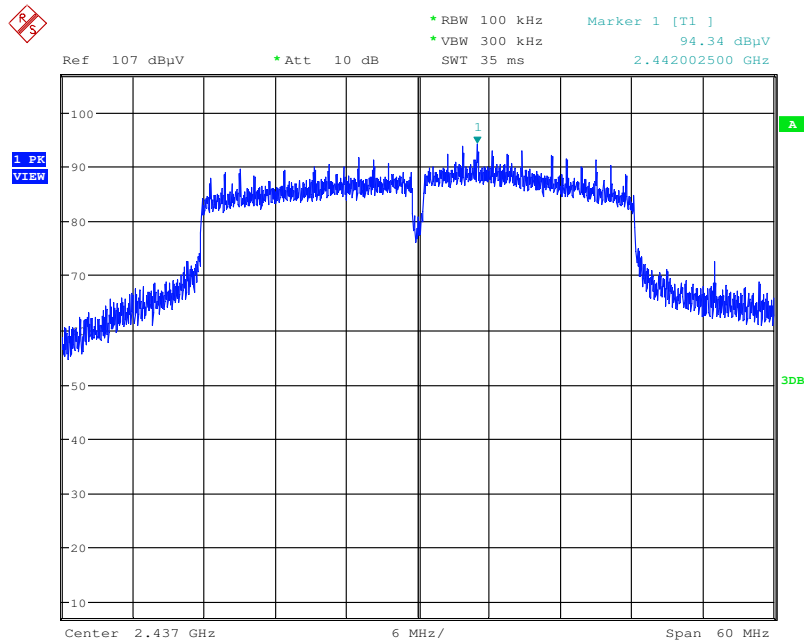
Date: 29.JUN.2015 17:16:21

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / CH 11 / 2500MHz~26500MHz (down 30dBc)



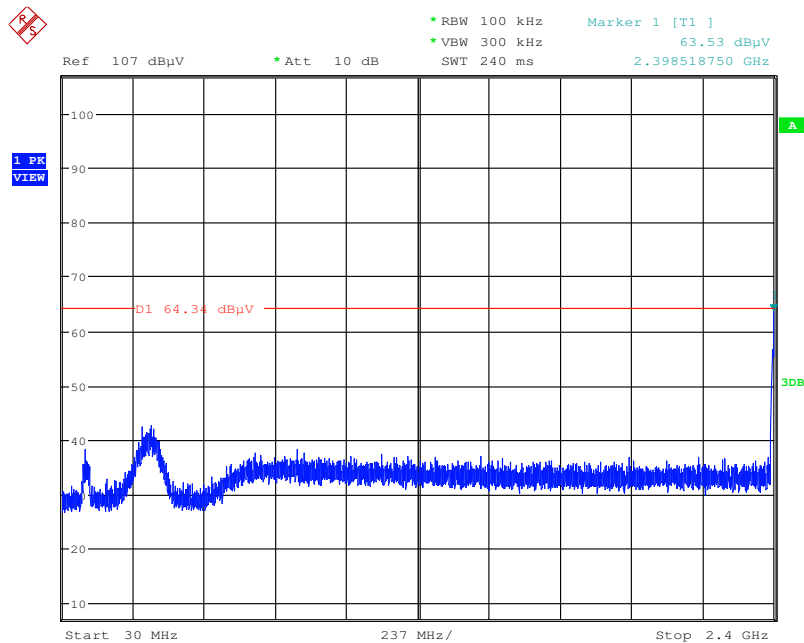
Date: 29.JUN.2015 17:15:57

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Reference Level



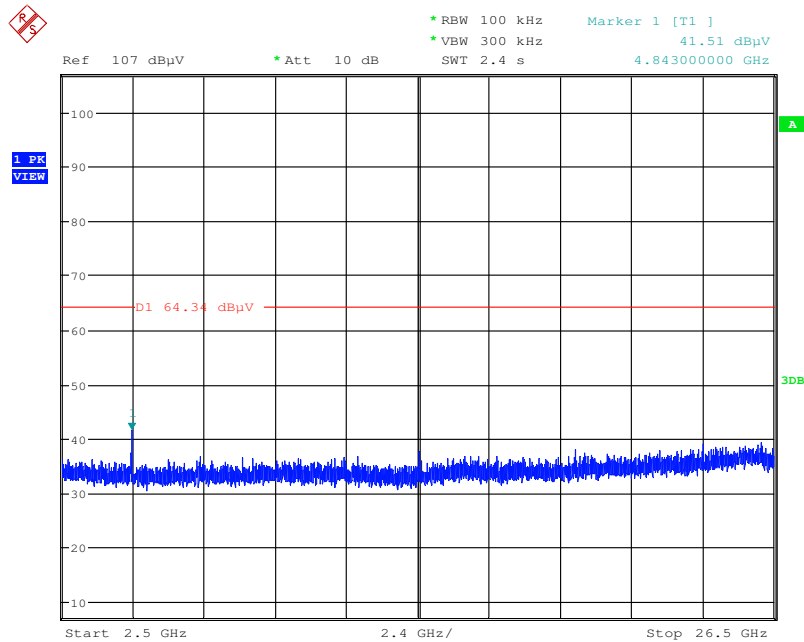
Date: 29.JUN.2015 17:25:14

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 30MHz~2400MHz (down 30dBc)



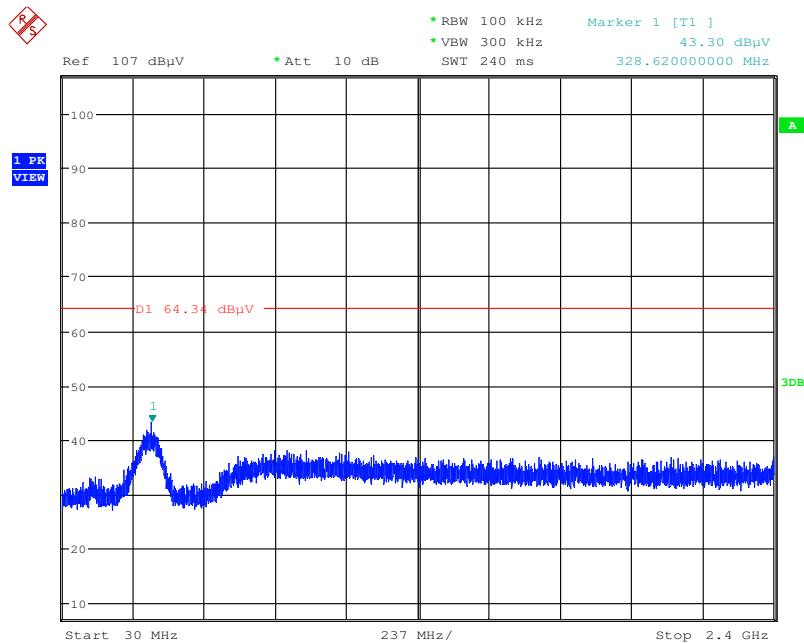
Date: 29.JUN.2015 17:26:27

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 3 / 2500MHz~26500MHz (down 30dBc)



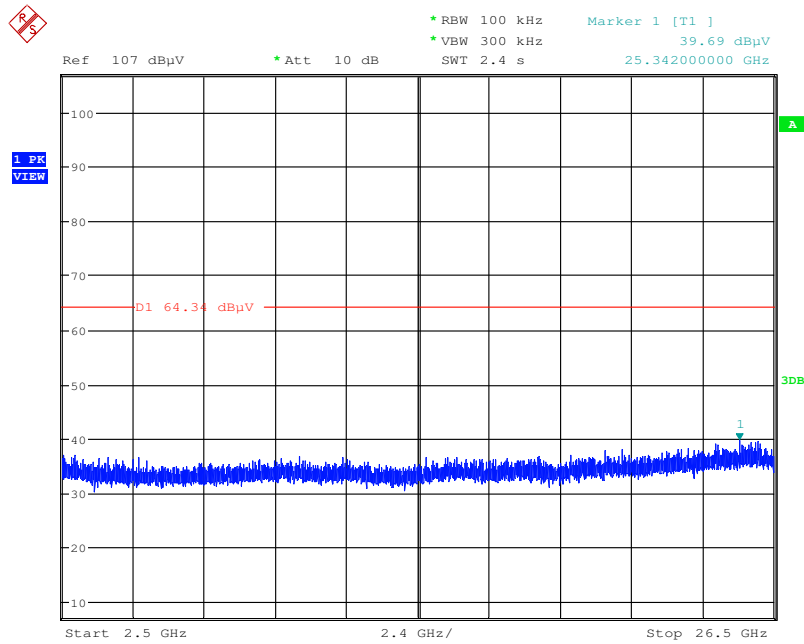
Date: 29.JUN.2015 17:28:41

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 30MHz~2400MHz (down 30dBc)



Date: 29.JUN.2015 17:30:04

Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / CH 9 / 2500MHz~26500MHz (down 30dBc)



Date: 29.JUN.2015 17:29:31

4.7. Antenna Requirements

4.7.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.7.2. Antenna Connector Construction

Please refer to section 3.2 in this test report; antenna connector complied with the requirements.

5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Test Receiver	R&S	ESCS 30	100355	9kHz ~ 2.75GHz	Apr. 22, 2015	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 02, 2014	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 02, 2014	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	Dec. 03, 2014	Conduction (CO01-CB)
Software	Audix	E3	5.410e	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	22021	20MHz ~ 2GHz	May 06, 2015	Radiation (O3CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 12, 2015	Radiation (O3CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 28, 2014	Radiation (O3CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2014	Radiation (O3CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Feb. 24, 2015	Radiation (O3CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 12, 2015	Radiation (O3CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Nov. 25, 2014	Radiation (O3CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 06, 2014	Radiation (O3CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8.4GHz	Jan. 21, 2015	Radiation (O3CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 15, 2014	Radiation (O3CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (O3CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (O3CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 12, 2014	Conducted (TH01-CB)
RF Power Divider	Woken	2 Way	TH01-DV-02	1GHz ~ 6GHz	Jan. 10, 2015	Conducted (TH01-CB)
RF Power Divider	Woken	4 Way	TH01-DV-01	1GHz ~ 6GHz	Jan. 10, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz ~ 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz ~ 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz ~ 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz ~ 26.5 GHz	Nov. 15, 2014	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 03, 2014	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

N.C.R. means Non-Calibration required.

6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%