4.7. Band Edge Emissions Measurement

4.7.1. Limit

For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

For transmitters operating in the 5.470-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.7.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for Peak

4.7.3. Test Procedures

1. The test procedure is the same as section 4.6.3.

4.7.4. Test Setup Layout

This test setup layout is the same as that shown in section 4.6.4.

4.7.5. Test Deviation

There is no deviation with the original standard.

4.7.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

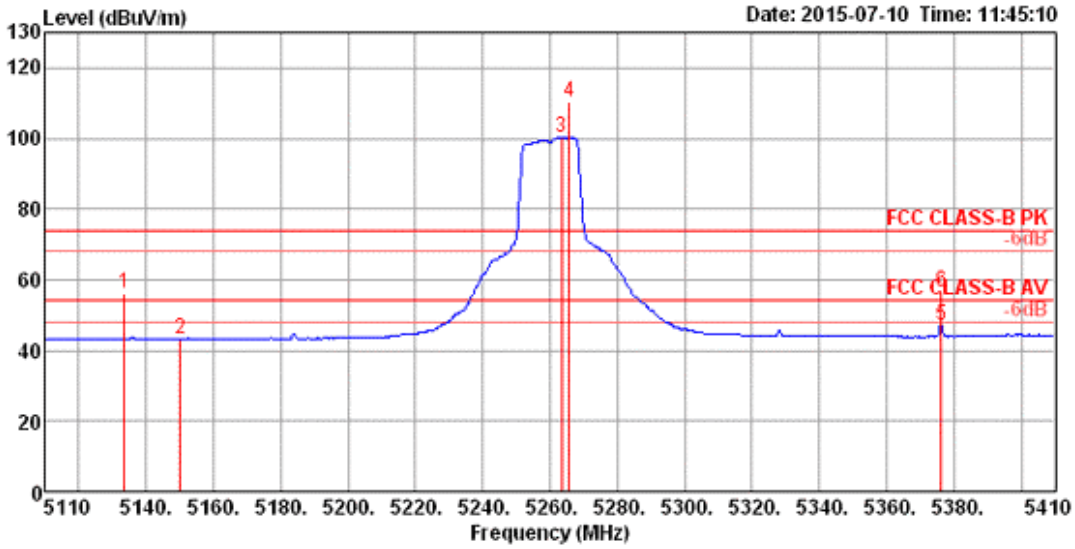
The EUT was programmed to be in beamforming transmitting mode.

4.7.7. Test Result of Band Edge and Fundamental Emissions

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

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 4

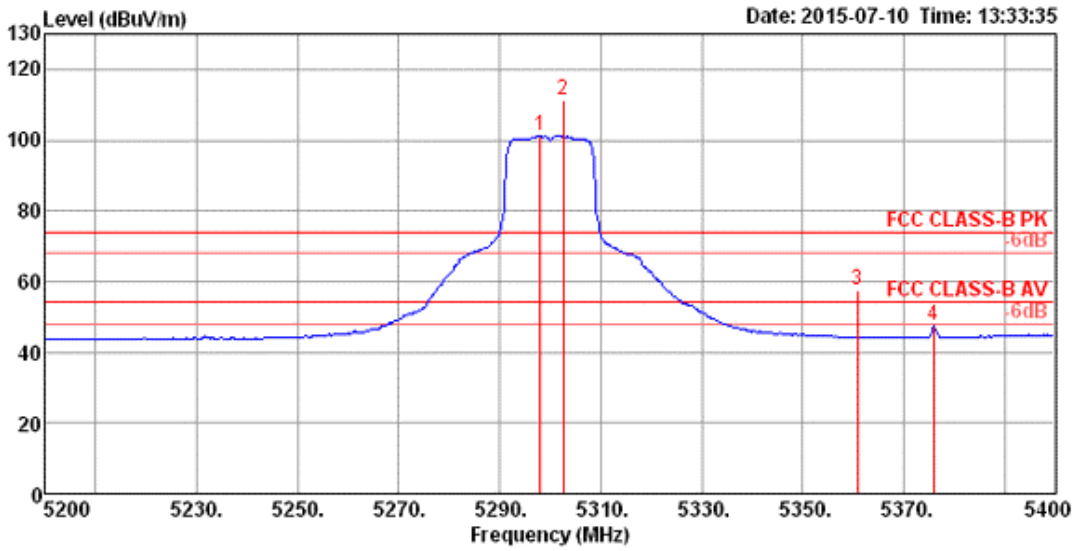
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5133.56	56.29	74.00	-17.71	49.46	6.17	33.71	33.05	154	289	Peak	HORIZONTAL
2	5150.00	43.08	54.00	-10.92	36.18	6.21	33.74	33.05	154	289	Average	HORIZONTAL
3	5263.37	100.25			93.04	6.34	33.93	33.06	154	289	Average	HORIZONTAL
4	5265.77	110.14			102.93	6.34	33.93	33.06	154	289	Peak	HORIZONTAL
5	5376.35	47.09	54.00	-6.91	39.56	6.50	34.09	33.06	154	289	Average	HORIZONTAL
6	5376.35	56.66	74.00	-17.34	49.13	6.50	34.09	33.06	154	289	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

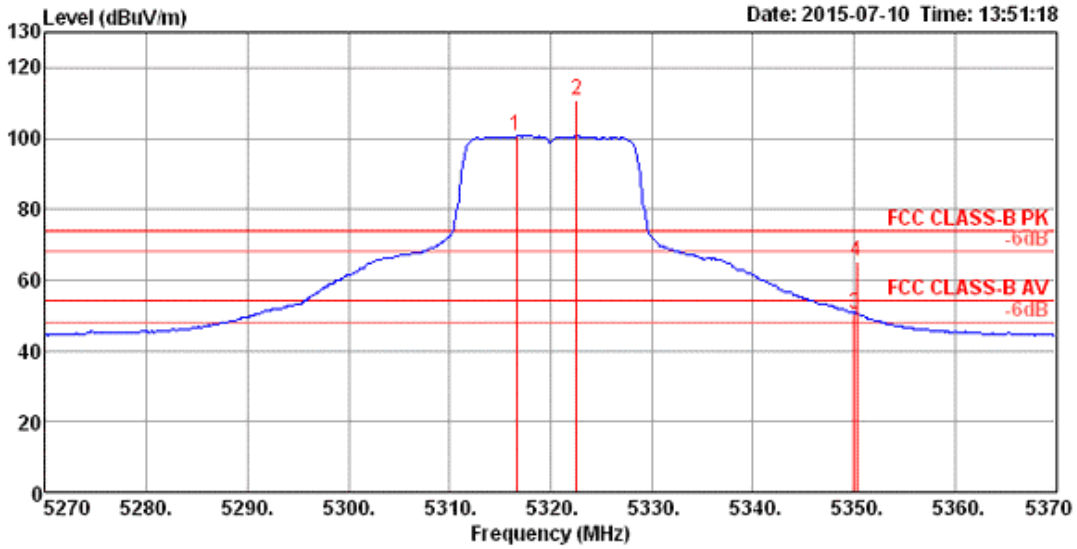
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5298.08	101.18			93.86	6.40	33.98	33.06	172	282	Average	HORIZONTAL
2	5302.56	111.45			104.13	6.40	33.98	33.06	172	282	Peak	HORIZONTAL
3	5360.90	57.51	74.00	-16.49	50.01	6.47	34.09	33.06	172	282	Peak	HORIZONTAL
4	5375.96	47.25	54.00	-6.75	39.72	6.50	34.09	33.06	172	282	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

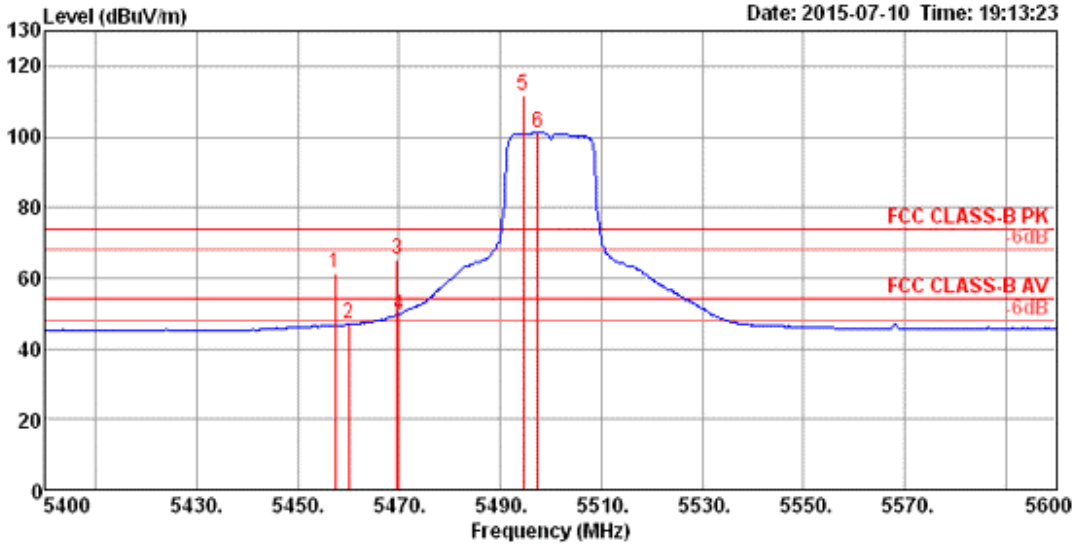


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5316.64	100.61			93.26	6.40	34.01	33.06	171	134	Average	HORIZONTAL
2	5322.56	110.73			103.35	6.43	34.01	33.06	171	134	Peak	HORIZONTAL
3	5350.00	50.45	54.00	-3.55	42.98	6.47	34.06	33.06	171	134	Average	HORIZONTAL
4	5350.29	65.43	74.00	-8.57	57.96	6.47	34.06	33.06	171	134	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140, 144 / Chain 4

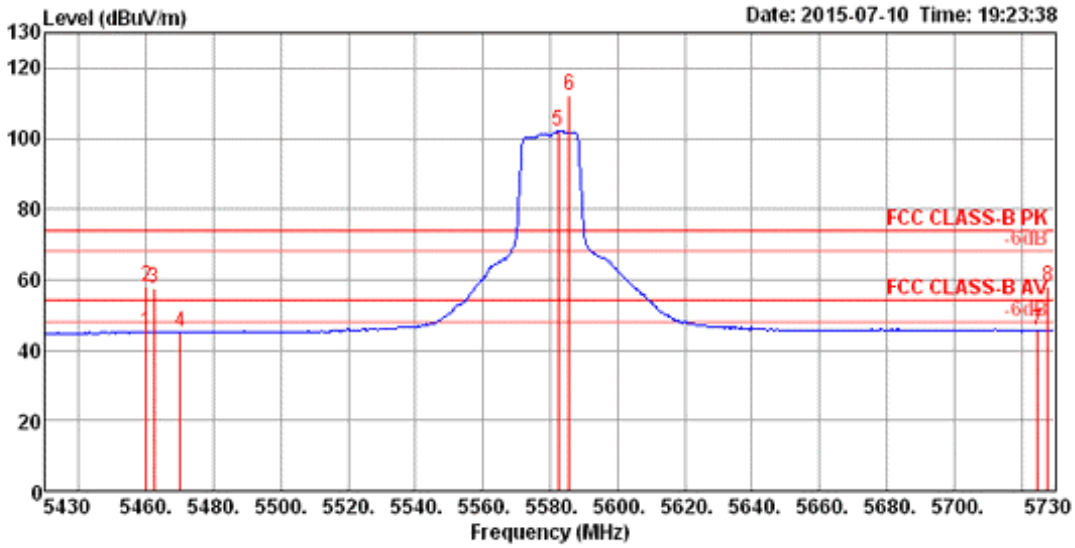
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.37	61.36	74.00	-12.64	53.60	6.60	34.22	33.06	176	289	Peak	HORIZONTAL
2	5460.00	46.83	54.00	-7.17	39.07	6.60	34.22	33.06	176	289	Average	HORIZONTAL
3	5469.55	65.26	74.00	-8.74	57.47	6.60	34.25	33.06	176	289	Peak	HORIZONTAL
4	5470.00	49.59	54.00	-4.41	41.80	6.60	34.25	33.06	176	289	Average	HORIZONTAL
5	5494.55	111.86			104.02	6.63	34.27	33.06	176	289	Peak	HORIZONTAL
6	5497.44	101.27			93.40	6.63	34.30	33.06	176	289	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

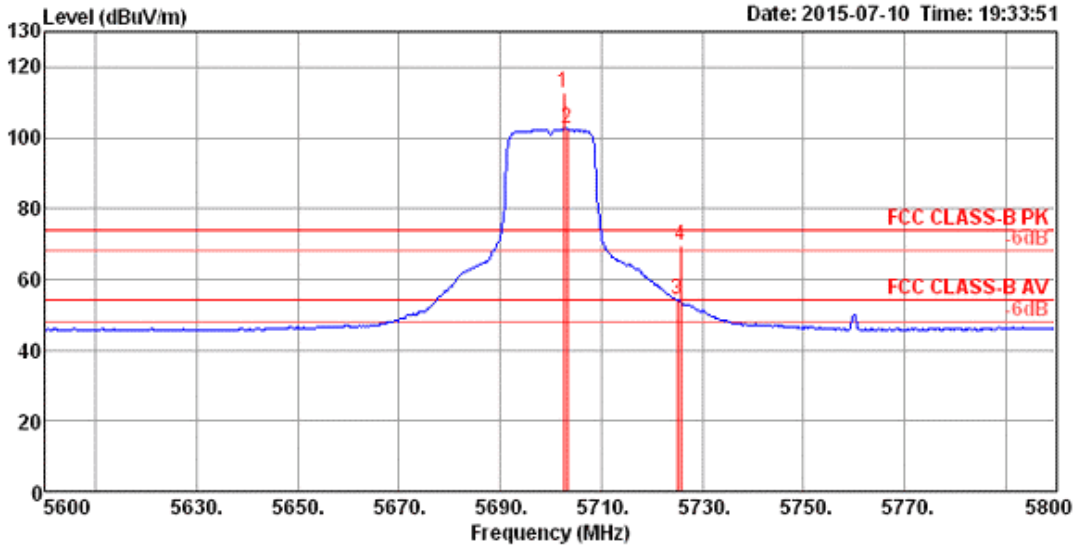
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5460.00	44.96	54.00	-9.04	37.20	6.60	34.22	33.06	167	284	Average	HORIZONTAL
2	5460.00	58.22	74.00	-15.78	50.46	6.60	34.22	33.06	167	284	Peak	HORIZONTAL
3	5462.21	57.67	74.00	-16.33	49.91	6.60	34.22	33.06	167	284	Peak	HORIZONTAL
4	5470.00	45.04	54.00	-8.96	37.25	6.60	34.25	33.06	167	284	Average	HORIZONTAL
5	5582.40	102.09			94.11	6.72	34.35	33.09	167	284	Average	HORIZONTAL
6	5585.77	112.11			104.13	6.72	34.35	33.09	167	284	Peak	HORIZONTAL
7	5725.00	45.35	54.00	-8.65	37.22	6.83	34.43	33.13	167	284	Average	HORIZONTAL
8	5727.89	57.95	74.00	-16.05	49.82	6.83	34.43	33.13	167	284	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

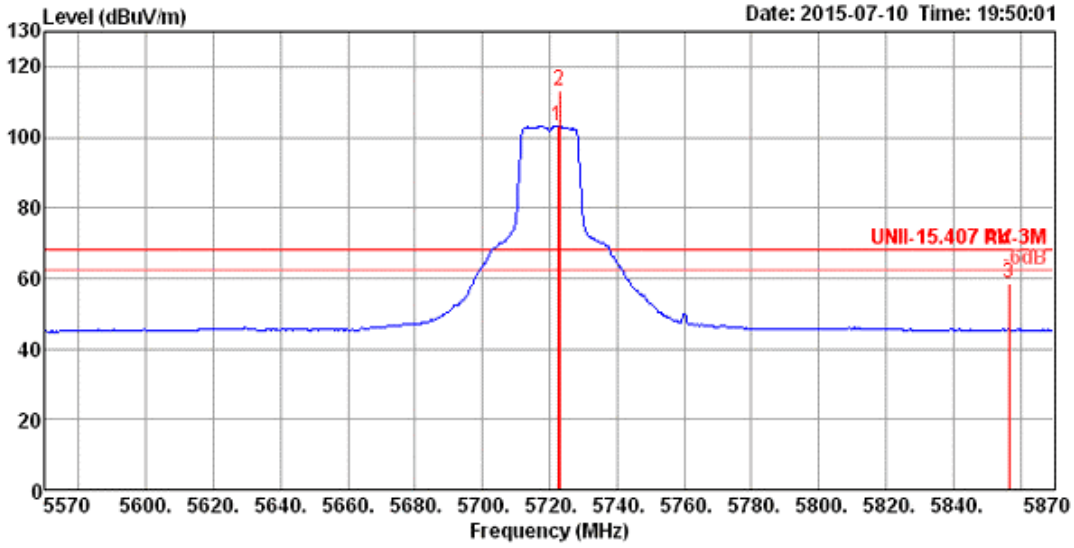
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.56	112.56			104.45	6.81	34.42	33.12	168	289	Peak	HORIZONTAL
2	5703.21	102.56			94.45	6.81	34.42	33.12	168	289	Average	HORIZONTAL
3	5725.00	53.97	54.00	-0.03	45.84	6.83	34.43	33.13	168	289	Average	HORIZONTAL
4	5725.64	69.50	74.00	-4.50	61.37	6.83	34.43	33.13	168	289	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz

Channel 144

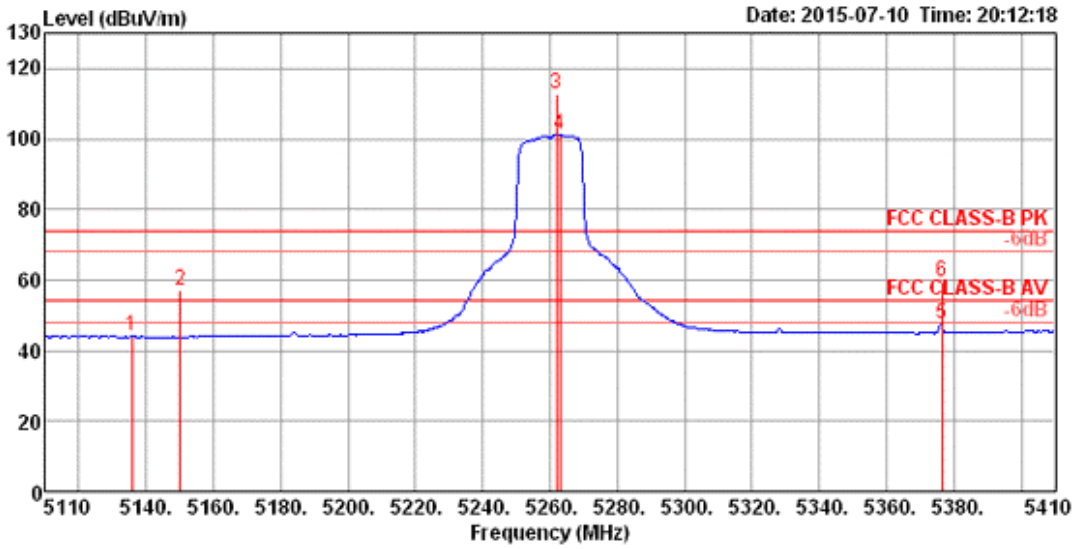


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5722.40	103.01			94.88	6.83	34.43	33.13	163	291	Average	HORIZONTAL
2	5722.89	113.11			104.98	6.83	34.43	33.13	163	291	Peak	HORIZONTAL
3	5856.54	58.44	68.20	-9.76	50.14	6.95	34.52	33.17	163	291	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 4

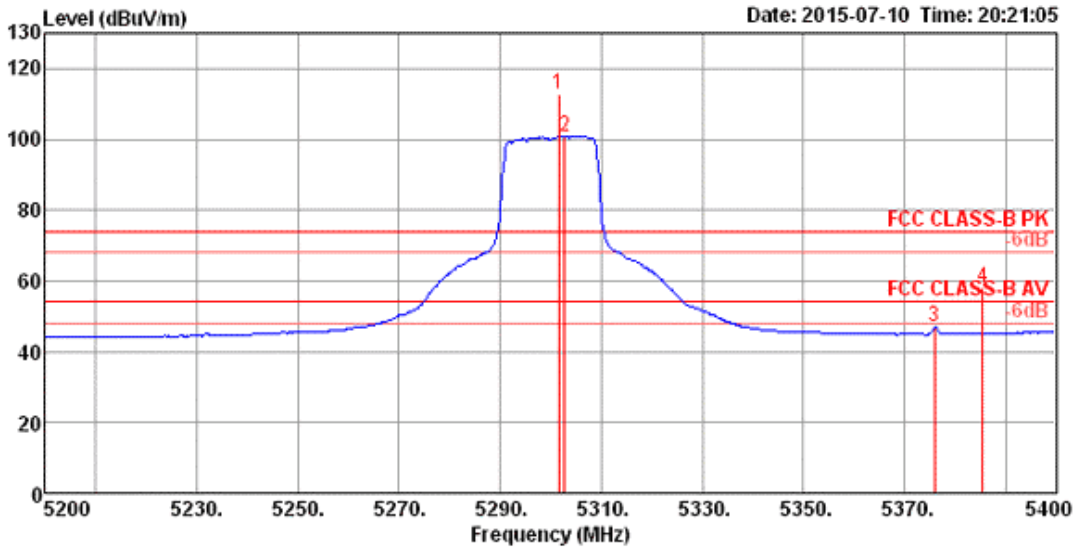
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5135.80	44.06	54.00	-9.94	37.23	6.17	33.71	33.05	132	289	Average	HORIZONTAL
2	5150.00	57.13	74.00	-16.87	50.23	6.21	33.74	33.05	132	289	Peak	HORIZONTAL
3	5261.80	112.88			105.67	6.34	33.93	33.06	132	289	Peak	HORIZONTAL
4	5263.00	101.04			93.83	6.34	33.93	33.06	132	289	Average	HORIZONTAL
5	5376.40	47.35	54.00	-6.65	39.82	6.50	34.09	33.06	132	289	Average	HORIZONTAL
6	5376.40	59.31	74.00	-14.69	51.78	6.50	34.09	33.06	132	289	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

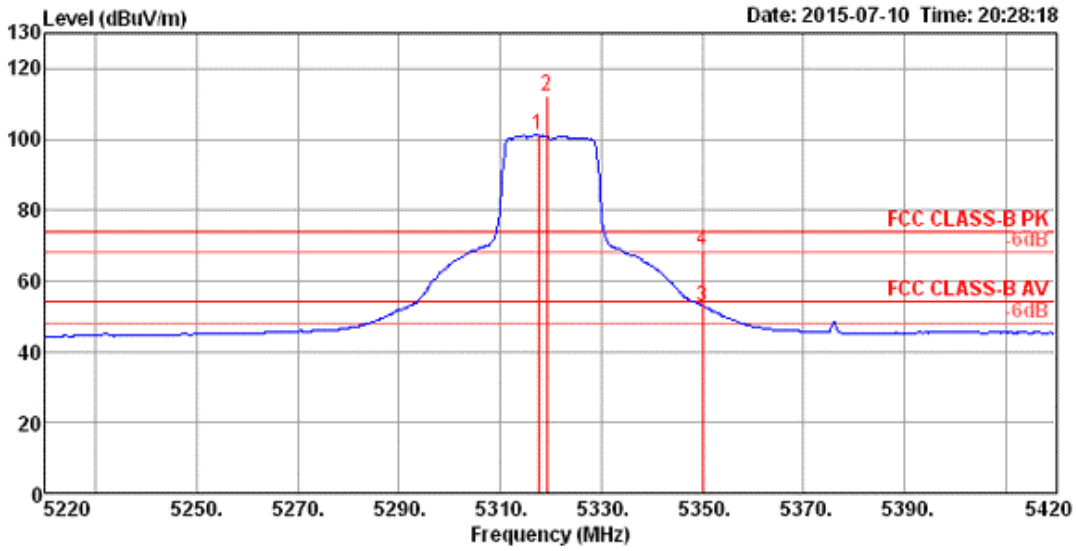
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5301.60	112.59			105.27	6.40	33.98	33.06	189	275	Peak	HORIZONTAL
2	5302.80	100.95			93.63	6.40	33.98	33.06	189	275	Average	HORIZONTAL
3	5376.00	47.04	54.00	-6.96	39.51	6.50	34.09	33.06	189	275	Average	HORIZONTAL
4	5385.60	58.04	74.00	-15.96	50.49	6.50	34.11	33.06	189	275	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

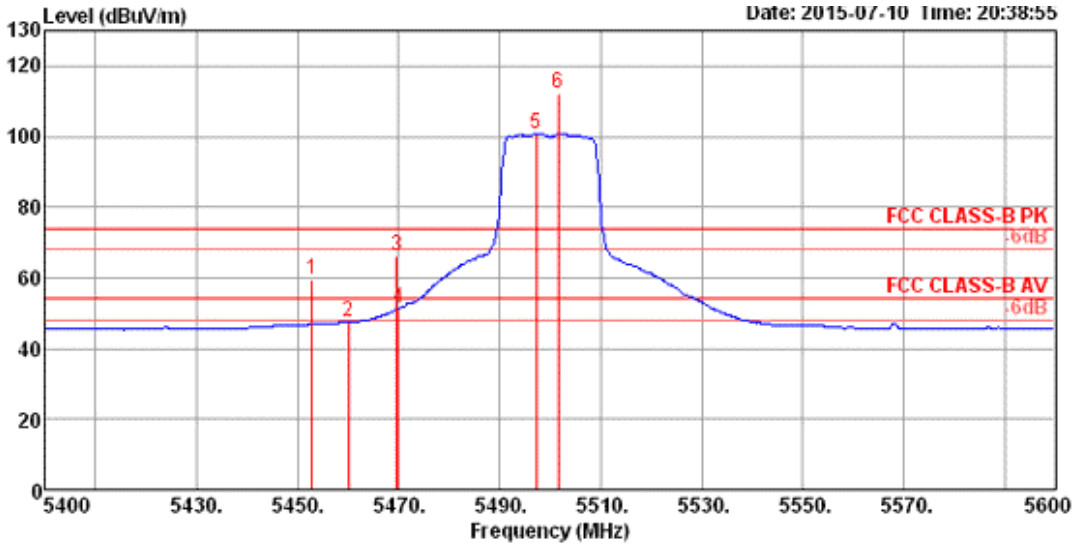


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5317.60	101.11			93.76	6.40	34.01	33.06	188	281	Average	HORIZONTAL
2	5319.20	112.15			104.80	6.40	34.01	33.06	188	281	Peak	HORIZONTAL
3	5350.00	52.83	54.00	-1.17	45.36	6.47	34.06	33.06	188	281	Average	HORIZONTAL
4	5350.00	68.66	74.00	-5.34	61.19	6.47	34.06	33.06	188	281	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140, 144 / Chain 4

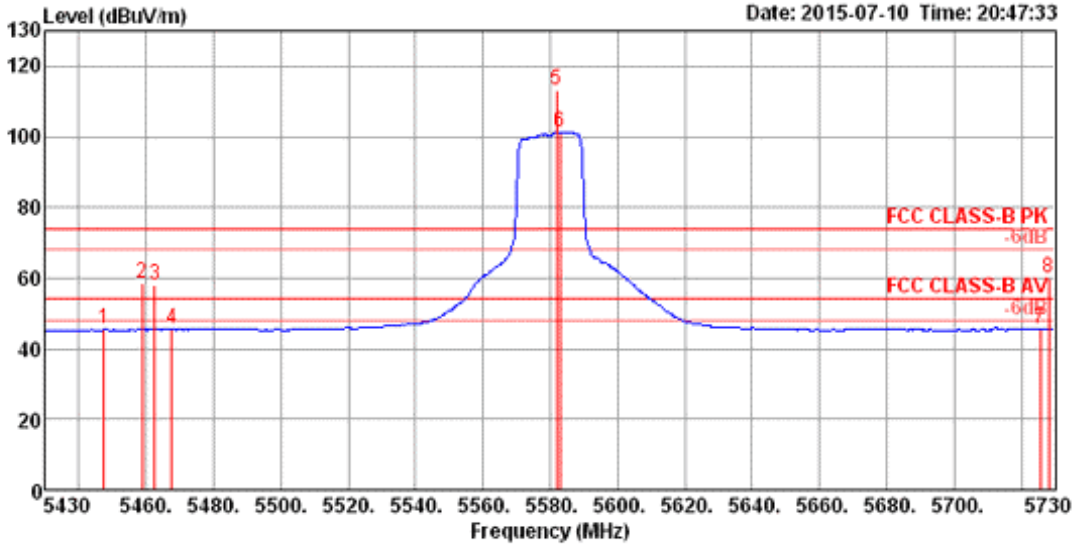
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.80	59.51	74.00	-14.49	51.75	6.60	34.22	33.06	167	281	Peak	HORIZONTAL
2	5460.00	47.32	54.00	-6.68	39.56	6.60	34.22	33.06	167	281	Average	HORIZONTAL
3	5469.60	66.43	74.00	-7.57	58.64	6.60	34.25	33.06	167	281	Peak	HORIZONTAL
4	5470.00	51.24	54.00	-2.76	43.45	6.60	34.25	33.06	167	281	Average	HORIZONTAL
5	5497.20	100.90			93.03	6.63	34.30	33.06	167	281	Average	HORIZONTAL
6	5501.60	112.30			104.42	6.65	34.30	33.07	167	281	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

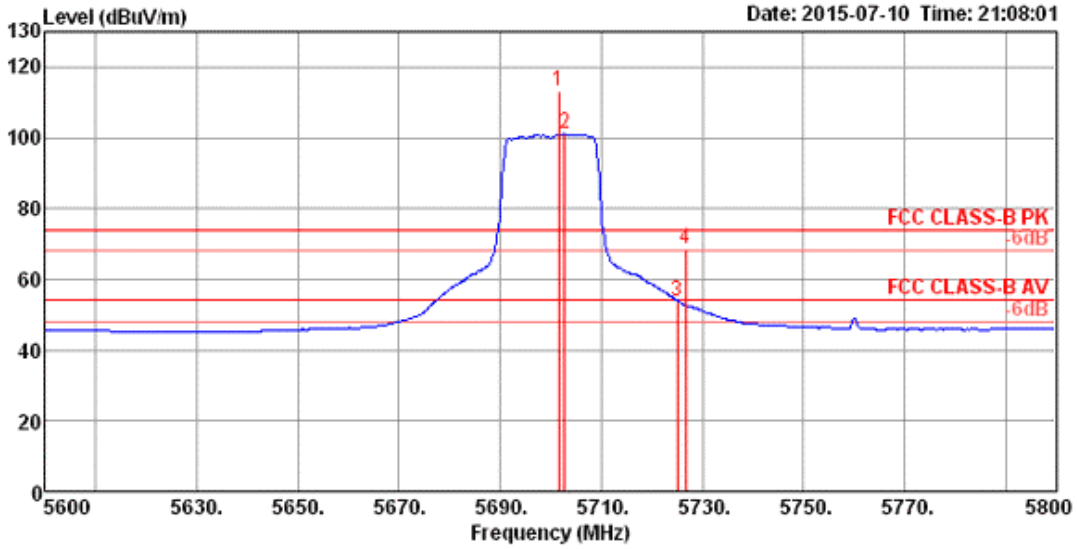
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5447.40	45.46	54.00	-8.54	37.74	6.56	34.22	33.06	167	282	Average	HORIZONTAL
2	5458.80	58.69	74.00	-15.31	50.93	6.60	34.22	33.06	167	282	Peak	HORIZONTAL
3	5462.40	57.84	74.00	-16.16	50.08	6.60	34.22	33.06	167	282	Peak	HORIZONTAL
4	5467.60	45.37	54.00	-8.63	37.58	6.60	34.25	33.06	167	282	Average	HORIZONTAL
5	5581.80	113.10			105.12	6.72	34.35	33.09	167	282	Peak	HORIZONTAL
6	5583.00	101.42			93.44	6.72	34.35	33.09	167	282	Average	HORIZONTAL
7	5725.60	45.61	54.00	-8.39	37.48	6.83	34.43	33.13	167	282	Average	HORIZONTAL
8	5728.20	59.78	74.00	-14.22	51.65	6.83	34.43	33.13	167	282	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

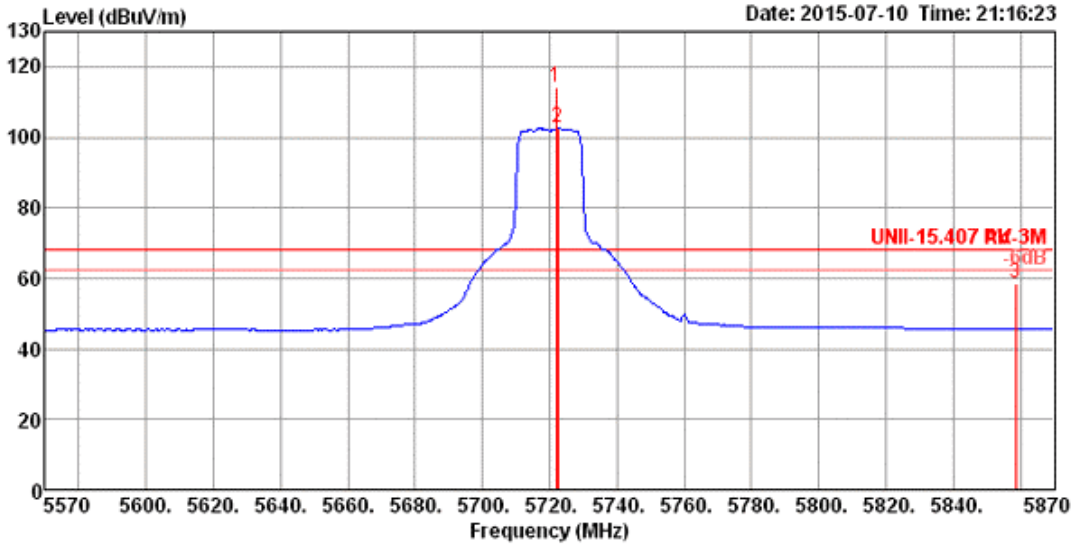
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5701.60	113.02			104.91	6.81	34.42	33.12	166	290	Peak	HORIZONTAL
2	5702.80	100.99			92.88	6.81	34.42	33.12	166	290	Average	HORIZONTAL
3	5725.00	53.87	54.00	-0.13	45.74	6.83	34.43	33.13	166	290	Average	HORIZONTAL
4	5726.80	68.40	74.00	-5.60	60.27	6.83	34.43	33.13	166	290	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

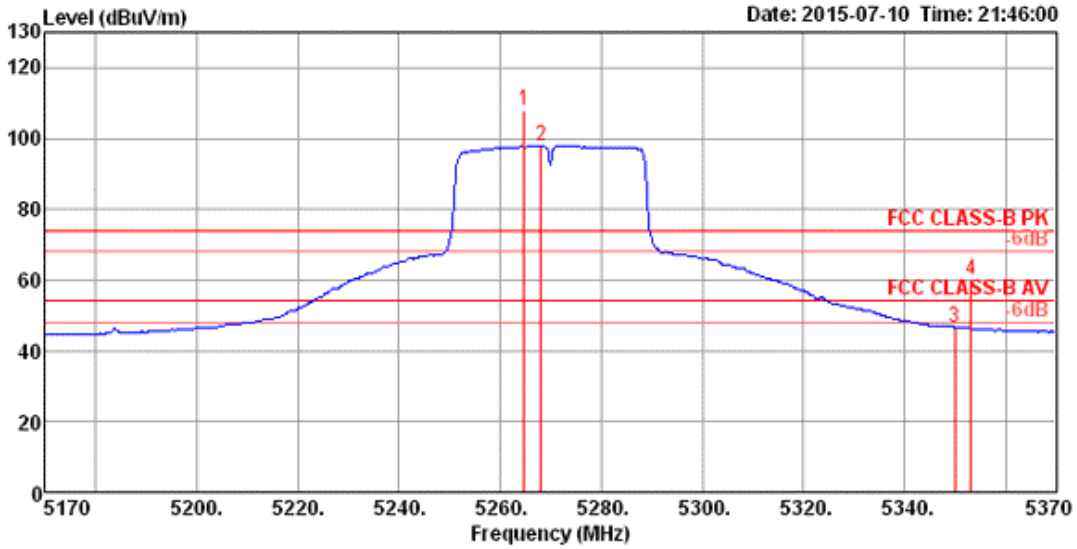


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5721.80	114.25			106.12	6.83	34.43	33.13	153	286	Peak	HORIZONTAL
2	5722.40	102.55			94.42	6.83	34.43	33.13	153	286	Average	HORIZONTAL
3	5858.60	58.52	68.20	-9.68	50.21	6.97	34.52	33.18	153	286	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 4

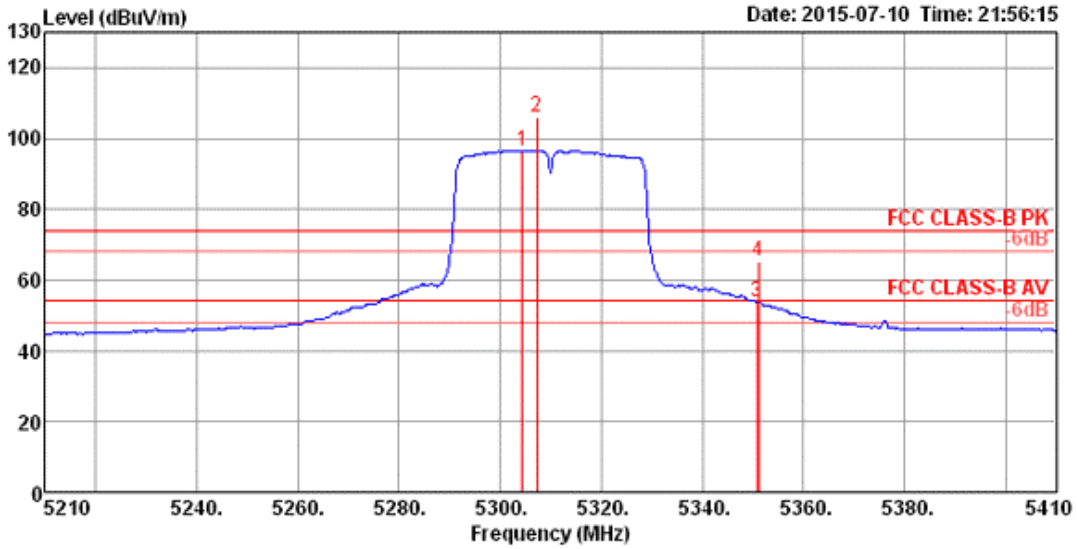
Channel 54



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5264.80	107.90			100.69	6.34	33.93	33.06	287	287	Peak	HORIZONTAL
2	5268.00	98.05			90.84	6.34	33.93	33.06	287	287	Average	HORIZONTAL
3	5350.00	46.59	54.00	-7.41	39.12	6.47	34.06	33.06	287	287	Average	HORIZONTAL
4	5353.20	60.03	74.00	-13.97	52.56	6.47	34.06	33.06	287	287	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

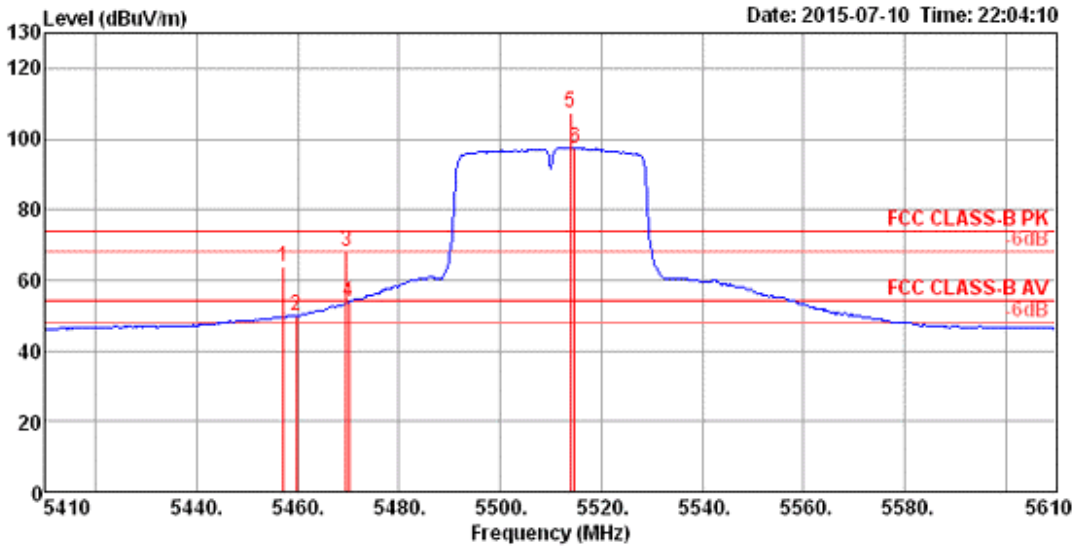


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5304.40	96.50			89.18	6.40	33.98	33.06	186	281	Average	HORIZONTAL
2	5307.20	105.89			98.57	6.40	33.98	33.06	186	281	Peak	HORIZONTAL
3	5350.80	53.77	54.00	-0.23	46.30	6.47	34.06	33.06	186	281	Average	HORIZONTAL
4	5351.20	65.40	74.00	-8.60	57.93	6.47	34.06	33.06	186	281	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134, 142 / Chain 4

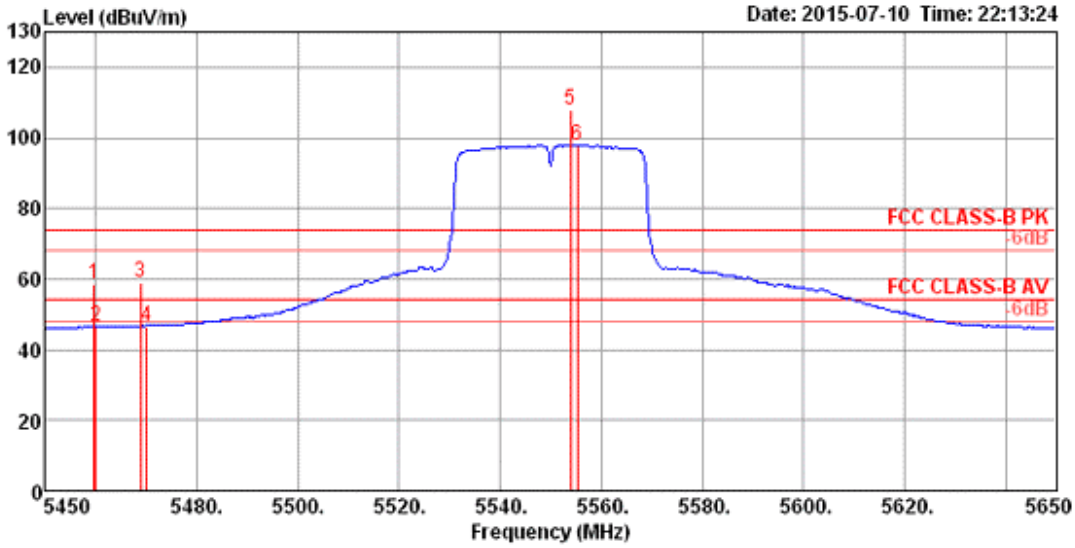
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.20	63.75	74.00	-10.25	55.99	6.60	34.22	33.06	175	281	Peak	HORIZONTAL
2	5459.60	49.82	54.00	-4.18	42.06	6.60	34.22	33.06	175	281	Average	HORIZONTAL
3	5469.60	68.12	74.00	-5.88	60.33	6.60	34.25	33.06	175	281	Peak	HORIZONTAL
4	5470.00	53.55	54.00	-0.45	45.76	6.60	34.25	33.06	175	281	Average	HORIZONTAL
5	5514.00	107.29			99.40	6.65	34.31	33.07	175	281	Peak	HORIZONTAL
6	5514.80	97.57			89.68	6.65	34.31	33.07	175	281	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

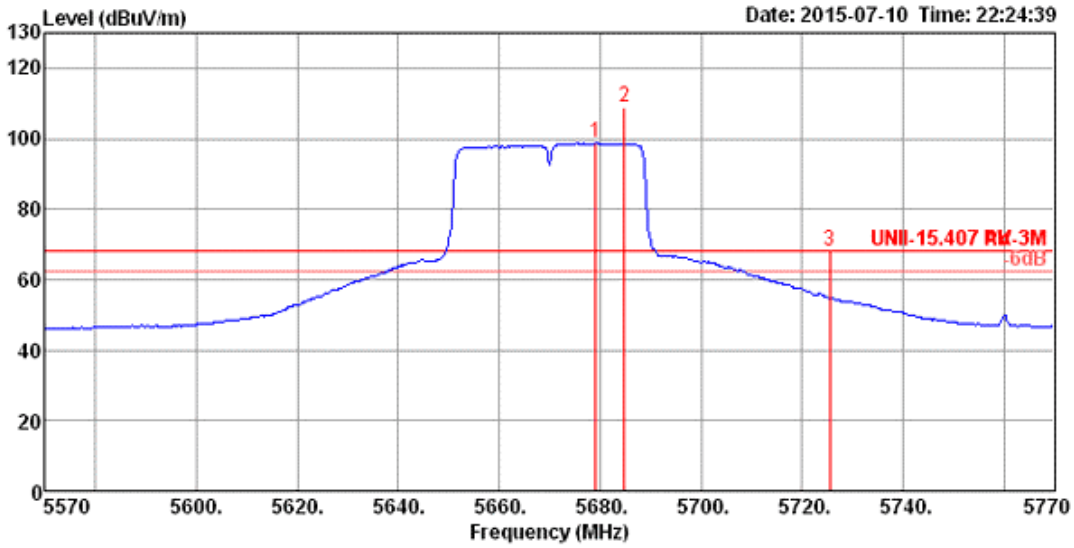
Channel 110



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.60	58.56	74.00	-15.44	50.80	6.60	34.22	33.06	174	290	Peak	HORIZONTAL
2	5460.00	46.34	54.00	-7.66	38.58	6.60	34.22	33.06	174	290	Average	HORIZONTAL
3	5468.80	59.08	74.00	-14.92	51.29	6.60	34.25	33.06	174	290	Peak	HORIZONTAL
4	5470.00	46.74	54.00	-7.26	38.95	6.60	34.25	33.06	174	290	Average	HORIZONTAL
5	5554.00	107.83			99.88	6.70	34.33	33.08	174	290	Peak	HORIZONTAL
6	5555.20	97.86			89.91	6.70	34.33	33.08	174	290	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

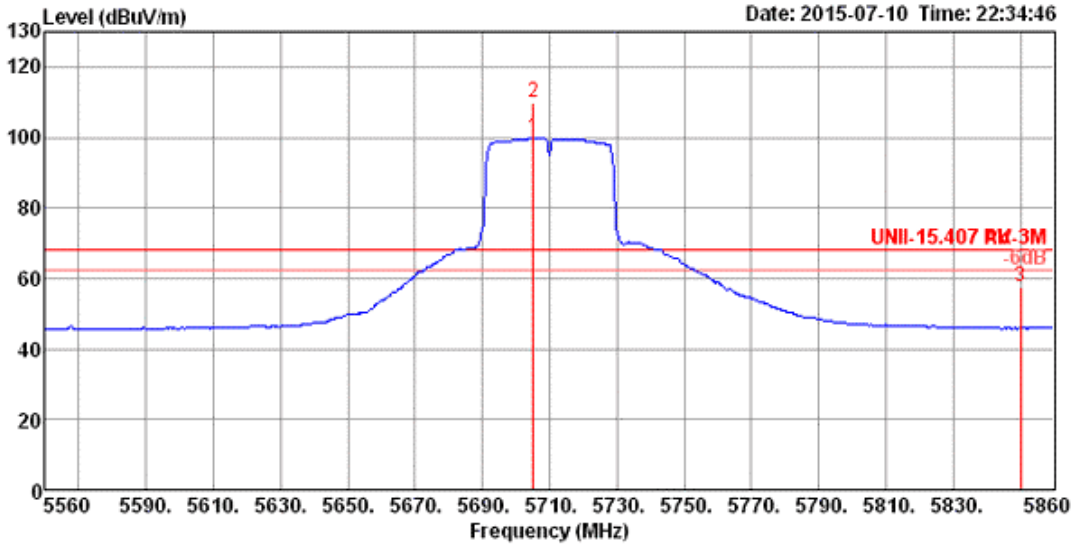
Channel 134



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5679.20	98.58			90.51	6.79	34.40	33.12	168	289	Average	HORIZONTAL
2	5684.80	108.68			100.58	6.81	34.41	33.12	168	289	Peak	HORIZONTAL
3	5725.60	68.10	68.20	-0.10	59.97	6.83	34.43	33.13	168	289	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Channel 142

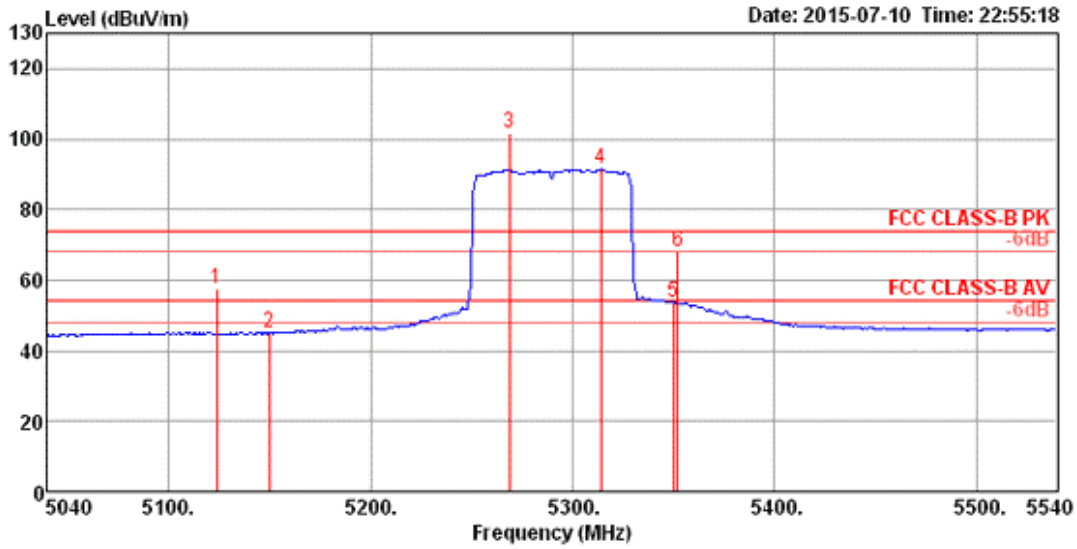


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.20	99.77			91.65	6.83	34.42	33.13	171	298	Average	HORIZONTAL
2	5705.20	109.92			101.80	6.83	34.42	33.13	171	298	Peak	HORIZONTAL
3	5850.00	57.60	68.20	-10.60	49.31	6.95	34.51	33.17	171	298	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122, 138 / Chain 4

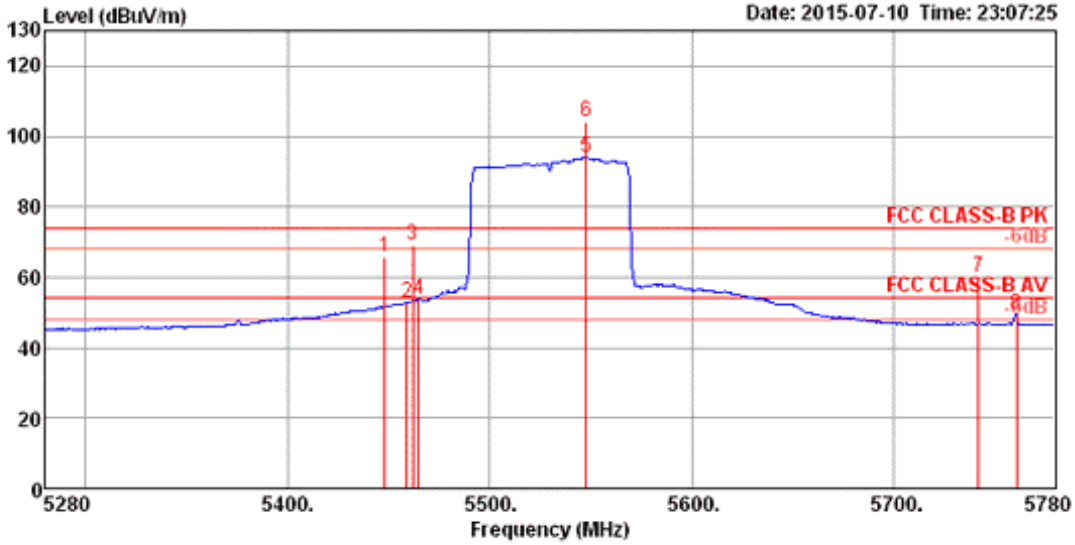
Channel 58



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5124.00	57.76	74.00	-16.24	50.93	6.17	33.71	33.05	168	286	Peak	HORIZONTAL
2	5150.00	44.99	54.00	-9.01	38.09	6.21	33.74	33.05	168	286	Average	HORIZONTAL
3	5269.00	101.50			94.29	6.34	33.93	33.06	168	286	Peak	HORIZONTAL
4	5314.00	91.40			84.05	6.40	34.01	33.06	168	286	Average	HORIZONTAL
5	5350.00	53.62	54.00	-0.38	46.15	6.47	34.06	33.06	168	286	Average	HORIZONTAL
6	5352.00	68.19	74.00	-5.81	60.72	6.47	34.06	33.06	168	286	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

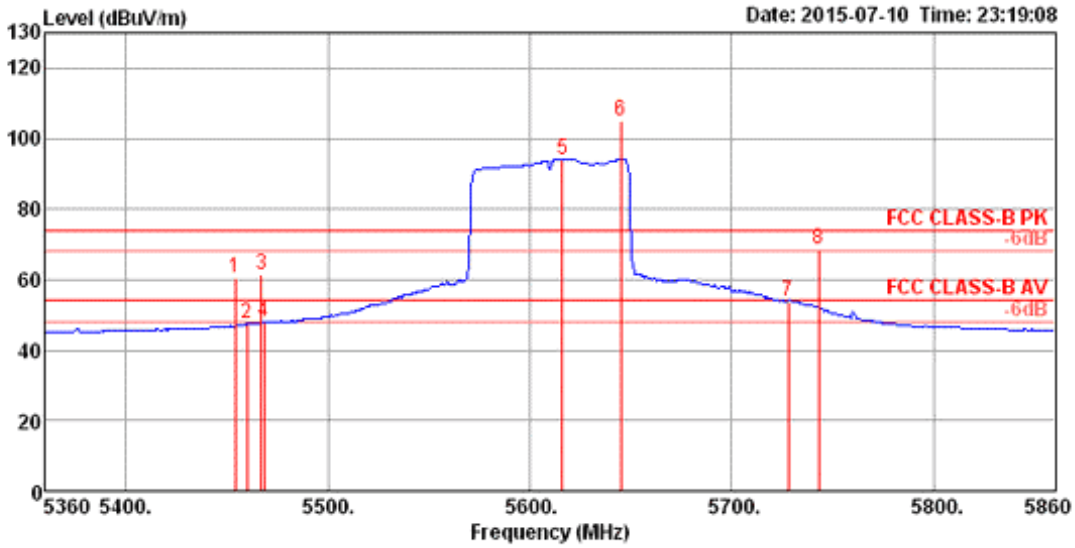
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5448.00	65.76	74.00	-8.24	58.04	6.56	34.22	33.06	150	288	Peak	HORIZONTAL
2	5459.00	52.75	54.00	-1.25	44.99	6.60	34.22	33.06	150	288	Average	HORIZONTAL
3	5462.00	68.93	74.00	-5.07	61.17	6.60	34.22	33.06	150	288	Peak	HORIZONTAL
4	5465.00	53.57	54.00	-0.43	45.78	6.60	34.25	33.06	150	288	Average	HORIZONTAL
5	5548.00	94.01			86.08	6.68	34.33	33.08	150	288	Average	HORIZONTAL
6	5548.00	103.91			95.98	6.68	34.33	33.08	150	288	Peak	HORIZONTAL
7	5742.00	59.92	74.00	-14.08	51.76	6.86	34.44	33.14	150	288	Peak	HORIZONTAL
8	5761.00	49.22	54.00	-4.78	41.03	6.88	34.46	33.15	150	288	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

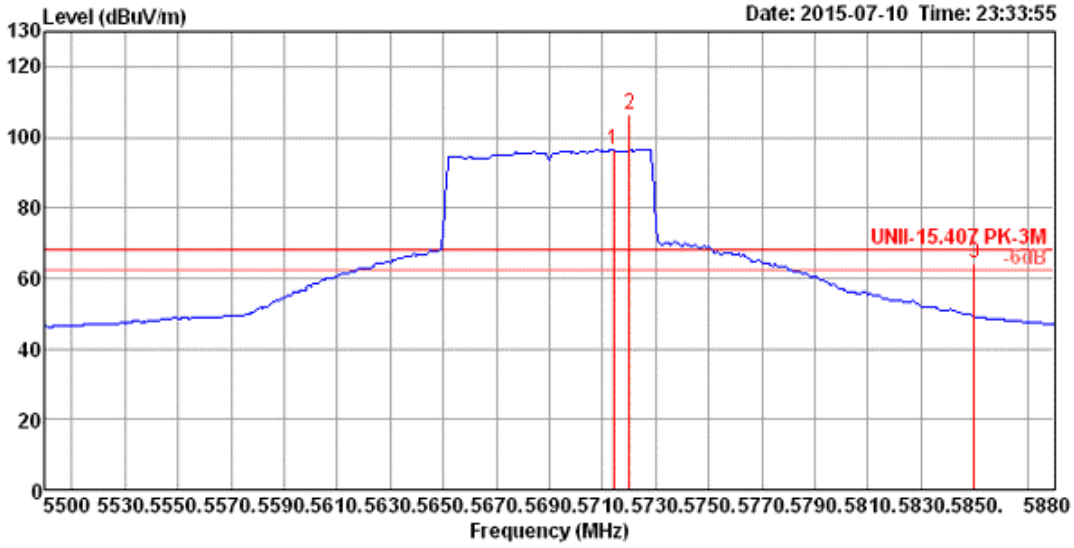
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.00	60.66	74.00	-13.34	52.90	6.60	34.22	33.06	140	280	Peak	HORIZONTAL
2	5460.00	47.35	54.00	-6.65	39.59	6.60	34.22	33.06	140	280	Average	HORIZONTAL
3	5467.00	61.17	74.00	-12.83	53.38	6.60	34.25	33.06	140	280	Peak	HORIZONTAL
4	5468.00	47.95	54.00	-6.05	40.16	6.60	34.25	33.06	140	280	Average	HORIZONTAL
5	5616.00	94.23			86.22	6.74	34.37	33.10	140	280	Average	HORIZONTAL
6	5645.00	105.24			97.21	6.76	34.38	33.11	140	280	Peak	HORIZONTAL
7	5728.00	53.94	54.00	-0.06	45.81	6.83	34.43	33.13	140	280	Average	HORIZONTAL
8	5743.00	68.65	74.00	-5.35	60.49	6.86	34.44	33.14	140	280	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 138



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5714.00	96.44			88.32	6.83	34.42	33.13	163	292	Average	HORIZONTAL
2	5720.00	106.31			98.18	6.83	34.43	33.13	163	292	Peak	HORIZONTAL
3	5850.00	64.19	68.20	-4.01	55.90	6.95	34.51	33.17	163	292	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

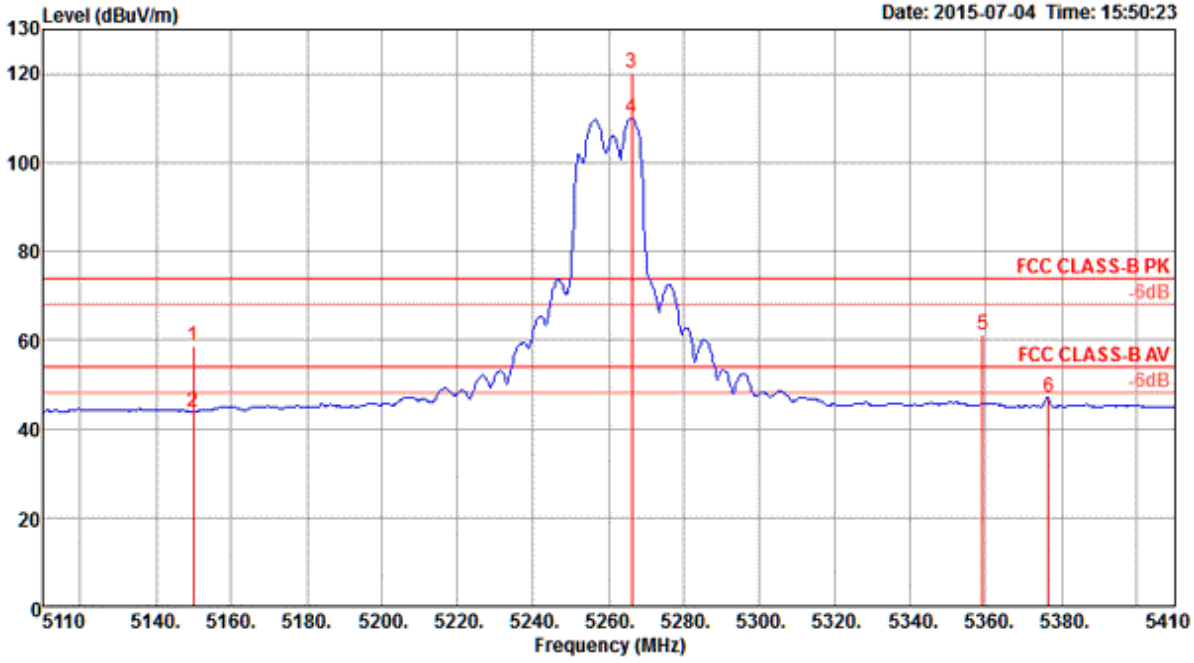
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

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

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 4 + Chain 5

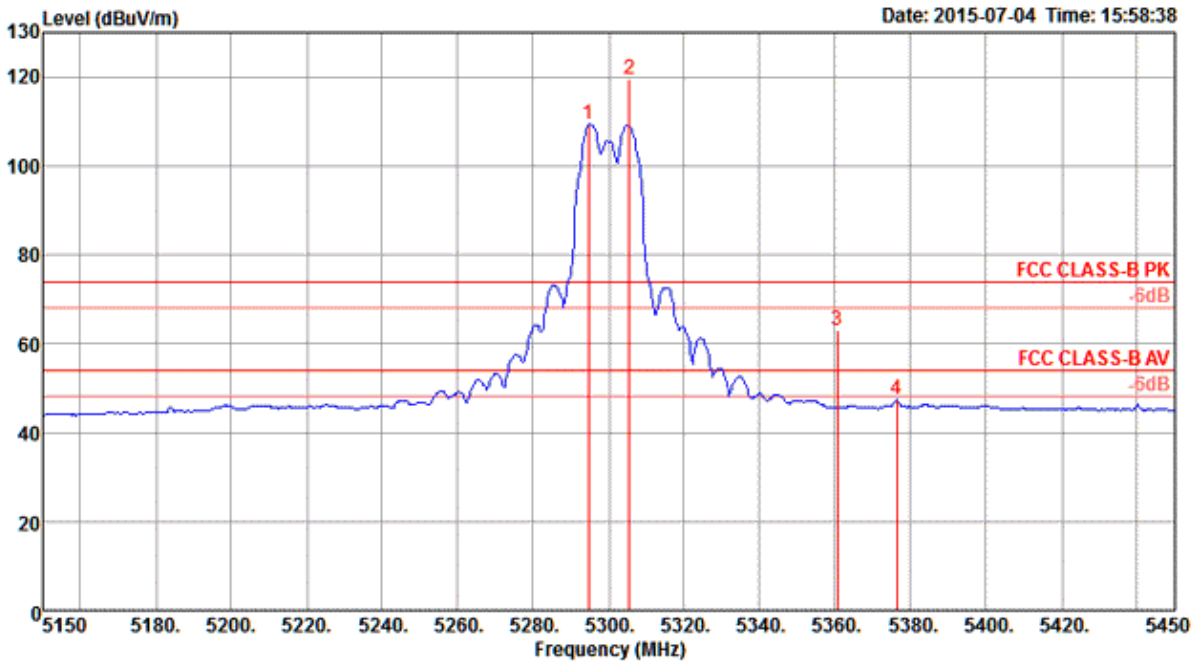
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5150.00	58.61	74.00	-15.39	55.55	4.26	33.27	34.47	108	184	Peak	HORIZONTAL
2	5150.00	43.84	54.00	-10.16	40.78	4.26	33.27	34.47	108	184	Average	HORIZONTAL
3	5266.00	120.23			116.91	4.31	33.48	34.47	108	184	Peak	HORIZONTAL
4	5266.00	109.92			106.60	4.31	33.48	34.47	108	184	Average	HORIZONTAL
5	5359.00	61.24	74.00	-12.76	57.73	4.35	33.63	34.47	108	184	Peak	HORIZONTAL
6	5376.40	47.13	54.00	-6.87	43.58	4.36	33.66	34.47	108	184	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

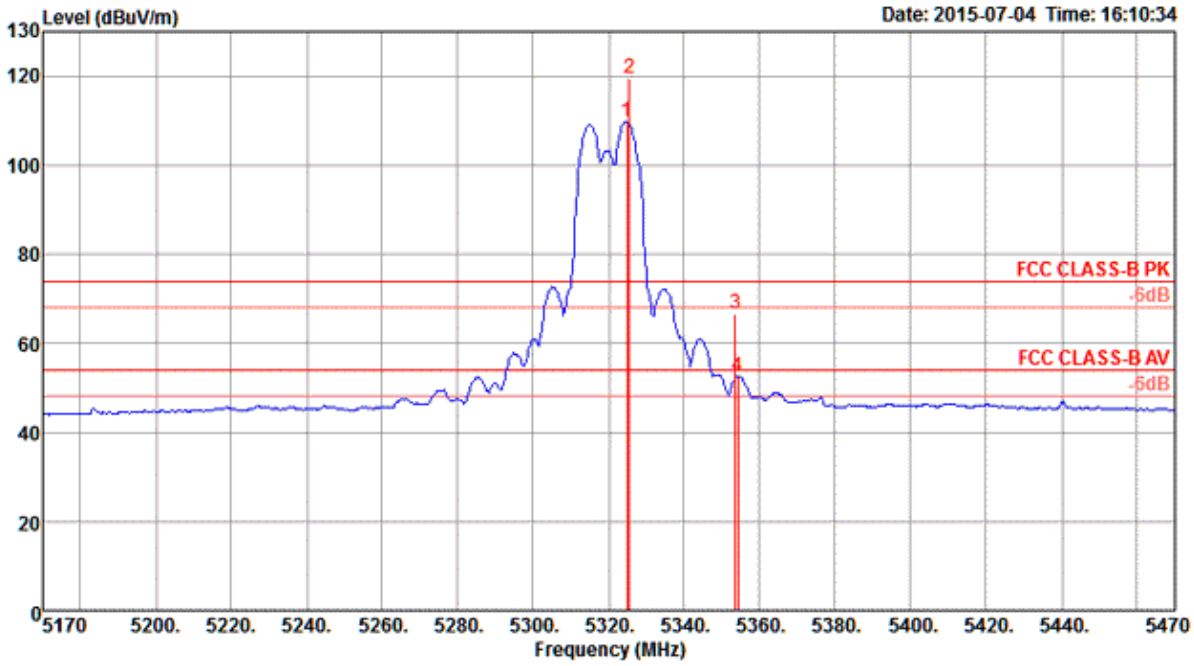
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5294.60	109.31			105.91	4.33	33.54	34.47	108	175	Average	HORIZONTAL
2	5305.40	119.52			116.12	4.33	33.54	34.47	108	175	Peak	HORIZONTAL
3	5360.60	63.14	74.00	-10.86	59.59	4.36	33.66	34.47	108	175	Peak	HORIZONTAL
4	5376.20	47.53	54.00	-6.47	43.98	4.36	33.66	34.47	108	175	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

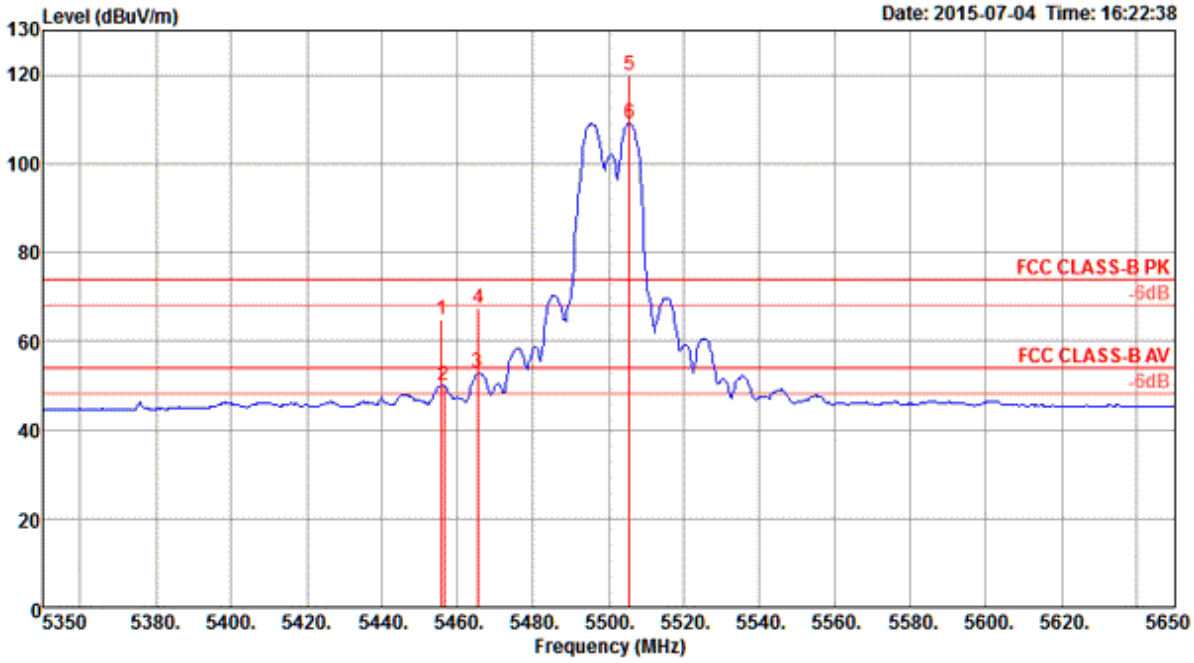


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5324.80	109.71			106.28	4.33	33.57	34.47	106	194	Average	HORIZONTAL
2	5325.40	119.50			116.07	4.33	33.57	34.47	106	194	Peak	HORIZONTAL
3	5353.60	66.66	74.00	-7.34	63.15	4.35	33.63	34.47	106	194	Peak	HORIZONTAL
4	5354.20	52.51	54.00	-1.49	49.00	4.35	33.63	34.47	106	194	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140, 144 / Chain 4 + Chain 5

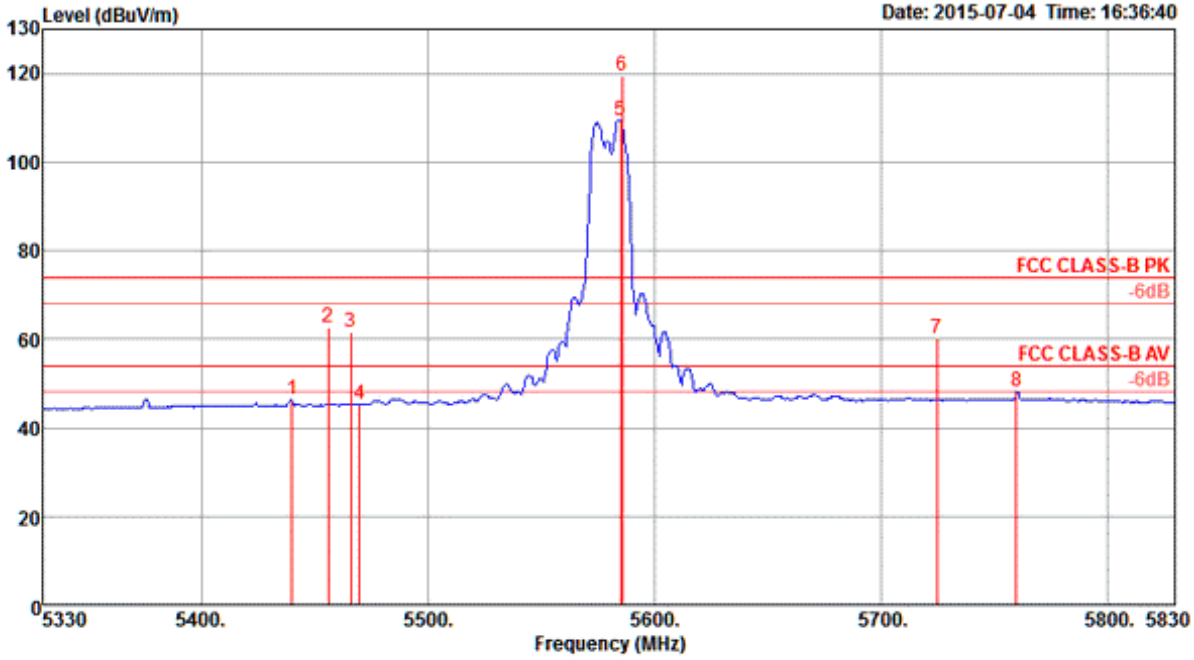
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5455.60	64.68	74.00	-9.32	60.94	4.40	33.81	34.47	104	193	Peak	HORIZONTAL
2	5456.20	50.06	54.00	-3.94	46.32	4.40	33.81	34.47	104	193	Average	HORIZONTAL
3	5465.20	53.04	54.00	-0.96	49.26	4.41	33.84	34.47	104	193	Average	HORIZONTAL
4	5465.40	67.29	74.00	-6.71	63.51	4.41	33.84	34.47	104	193	Peak	HORIZONTAL
5	5505.40	119.80			115.96	4.42	33.90	34.48	104	193	Peak	HORIZONTAL
6	5505.40	109.07			105.23	4.42	33.90	34.48	104	193	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

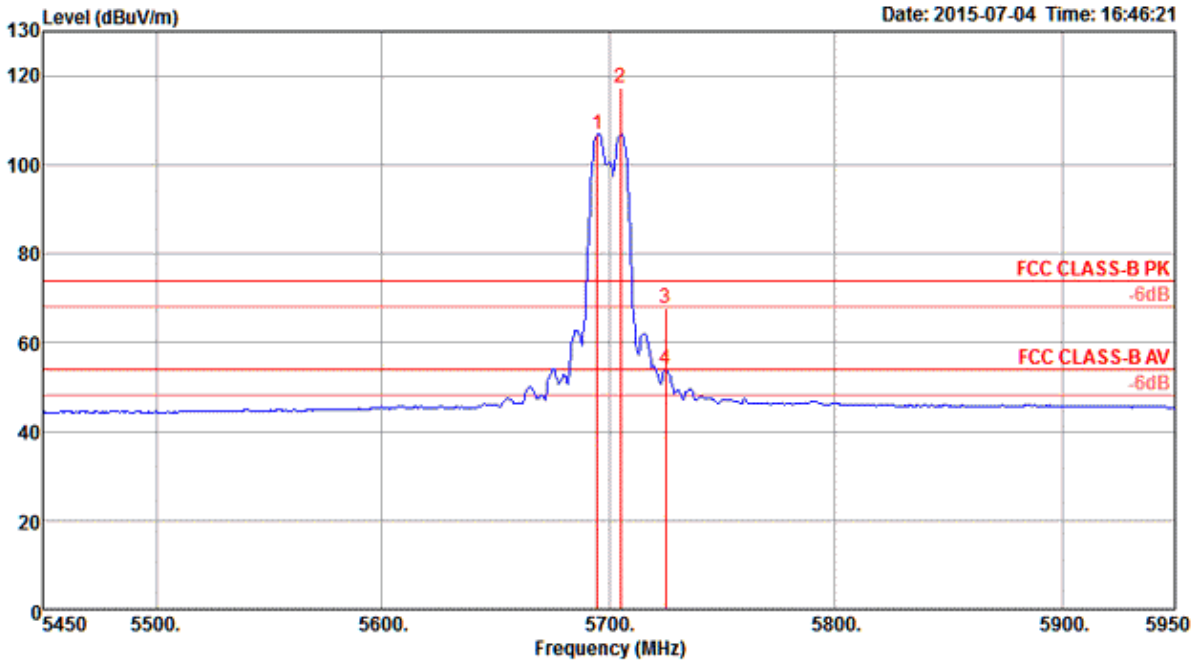
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5440.00	46.38	54.00	-7.62	42.68	4.39	33.78	34.47	114	173	Average	HORIZONTAL
2	5456.00	62.55	74.00	-11.45	58.81	4.40	33.81	34.47	114	173	Peak	HORIZONTAL
3	5466.00	61.64	74.00	-12.36	57.86	4.41	33.84	34.47	114	173	Peak	HORIZONTAL
4	5470.00	45.23	54.00	-8.77	41.45	4.41	33.84	34.47	114	173	Average	HORIZONTAL
5	5585.00	109.52			105.40	4.45	34.16	34.49	114	173	Average	HORIZONTAL
6	5586.00	119.37			115.25	4.45	34.16	34.49	114	173	Peak	HORIZONTAL
7	5725.00	60.15	74.00	-13.85	55.59	4.50	34.57	34.51	114	173	Peak	HORIZONTAL
8	5760.00	48.11	54.00	-5.89	43.45	4.51	34.68	34.53	114	173	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

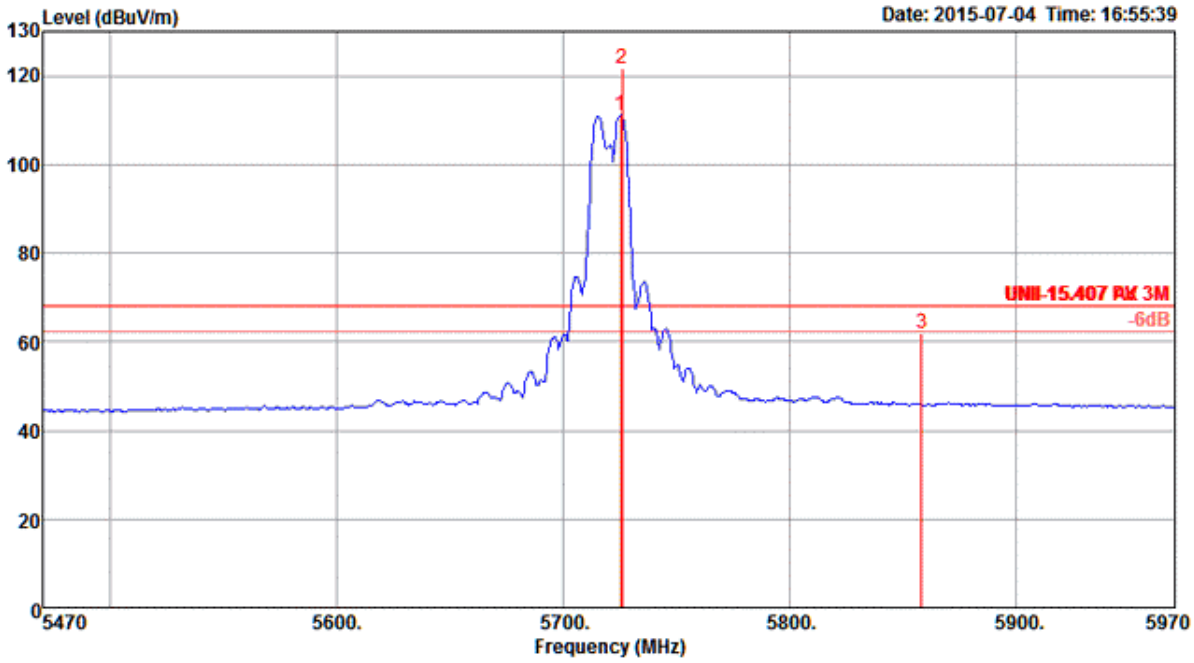
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5695.00	106.90			102.45	4.49	34.47	34.51	116	180	Average	HORIZONTAL
2	5705.00	117.28			112.78	4.49	34.52	34.51	116	180	Peak	HORIZONTAL
3	5725.00	67.63	74.00	-6.37	63.07	4.50	34.57	34.51	116	180	Peak	HORIZONTAL
4	5725.00	53.78	54.00	-0.22	49.22	4.50	34.57	34.51	116	180	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz

Channel 144

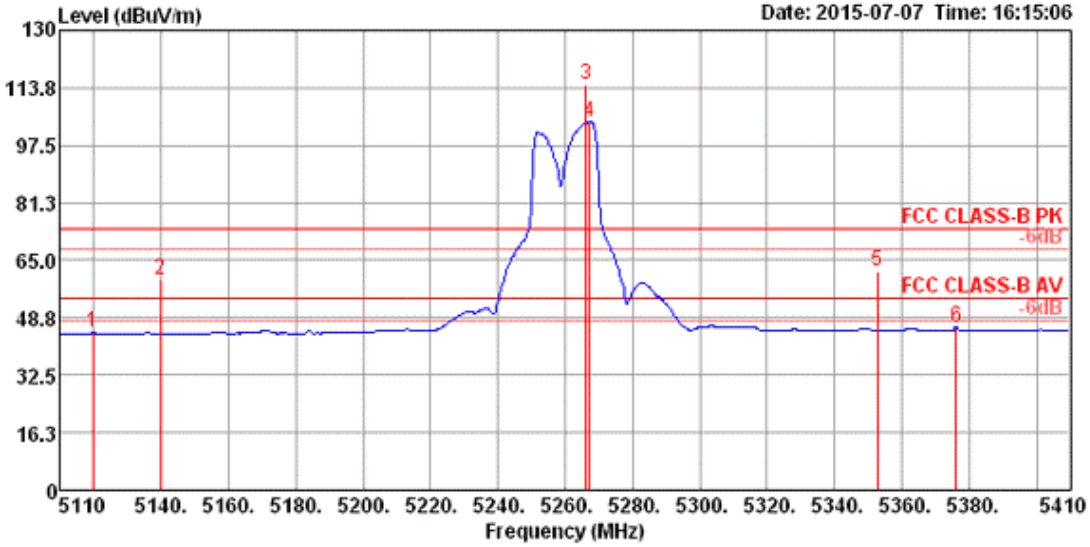


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5725.00	111.17			106.61	4.50	34.57	34.51	113	183	Average	HORIZONTAL
2	5726.00	121.82			117.26	4.50	34.57	34.51	113	183	Peak	HORIZONTAL
3	5858.00	61.97	68.20	-6.23	56.97	4.55	34.99	34.54	113	183	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 4 + Chain 5

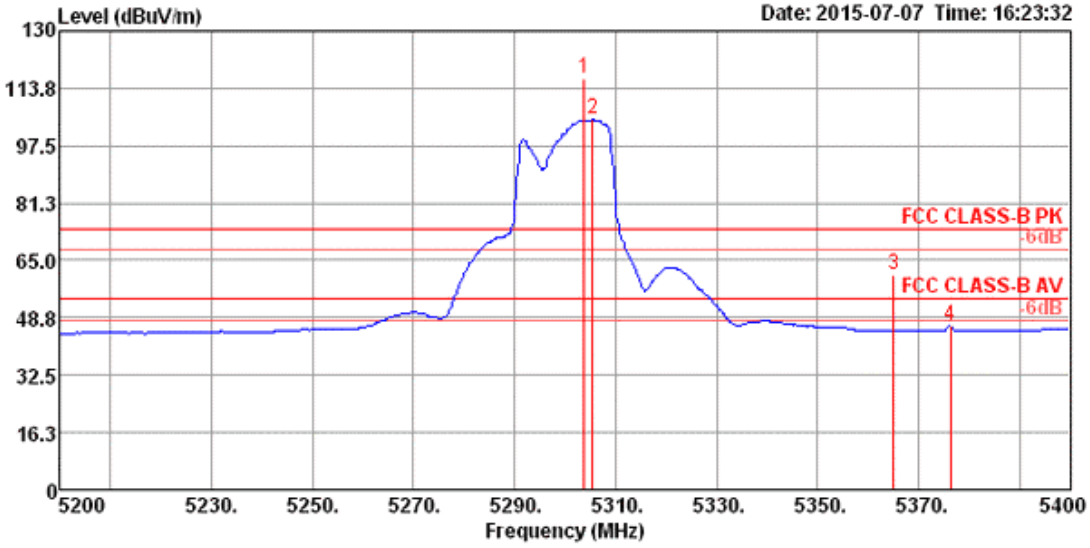
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5119.62	44.53	54.00	-9.47	37.72	6.17	33.69	33.05	Average	208	294	HORIZONTAL
2	5139.81	59.71	74.00	-14.29	52.85	6.17	33.74	33.05	Peak	208	294	HORIZONTAL
3	5266.25	114.81			107.60	6.34	33.93	33.06	Peak	208	294	HORIZONTAL
4	5267.21	103.92			96.71	6.34	33.93	33.06	Average	208	294	HORIZONTAL
5	5352.79	61.97	74.00	-12.03	54.50	6.47	34.06	33.06	Peak	208	294	HORIZONTAL
6	5376.35	46.15	54.00	-7.85	38.62	6.50	34.09	33.06	Average	208	294	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

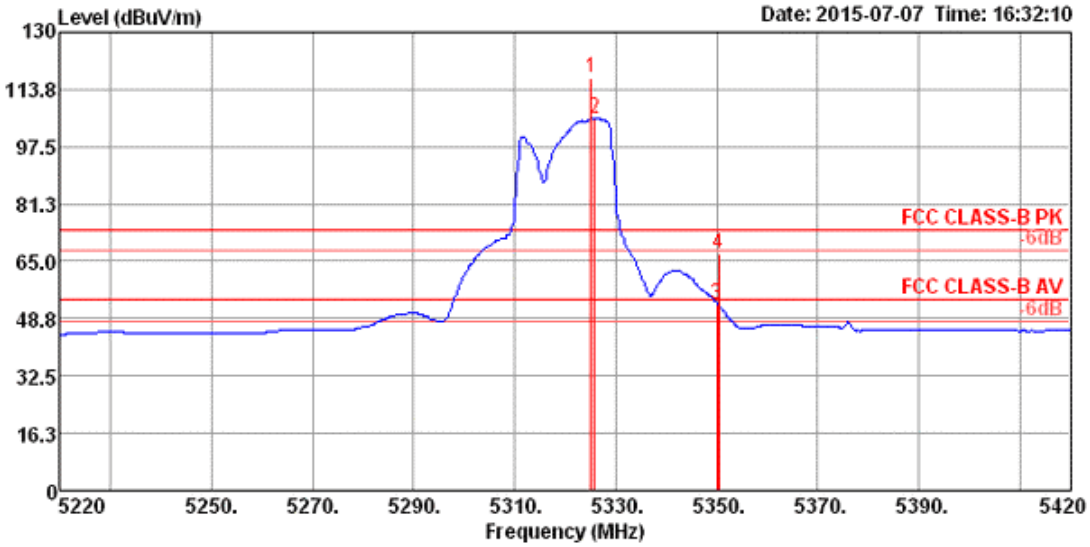
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5303.85	116.35			109.03	6.40	33.98	33.06	Peak	178	296	HORIZONTAL
2	5305.45	104.97			97.65	6.40	33.98	33.06	Average	178	296	HORIZONTAL
3	5365.06	60.72	74.00	-13.28	53.22	6.47	34.09	33.06	Peak	178	296	HORIZONTAL
4	5376.28	46.59	54.00	-7.41	39.06	6.50	34.09	33.06	Average	178	296	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

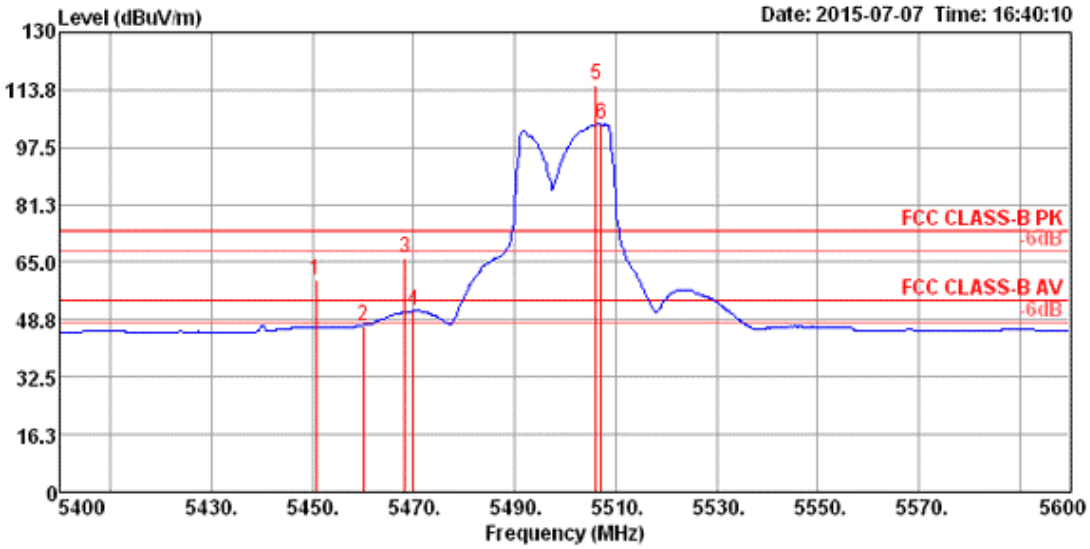


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5325.13	116.88			109.50	6.43	34.01	33.06	Peak	198	295	HORIZONTAL
2	5325.77	105.50			98.12	6.43	34.01	33.06	Average	198	295	HORIZONTAL
3	5350.00	53.00	54.00	-1.00	45.53	6.47	34.06	33.06	Average	198	295	HORIZONTAL
4	5350.45	67.16	74.00	-6.84	59.69	6.47	34.06	33.06	Peak	198	295	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140, 144 / Chain 4 + Chain 5

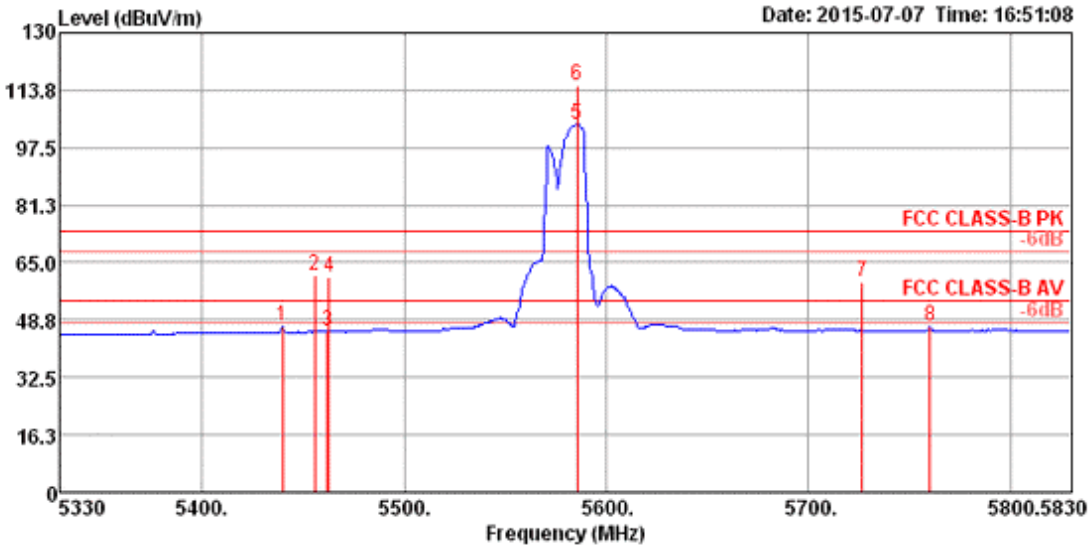
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5450.64	59.82	74.00	-14.18	52.06	6.60	34.22	33.06	Peak	152	289	HORIZONTAL
2	5460.00	47.23	54.00	-6.77	39.47	6.60	34.22	33.06	Average	152	289	HORIZONTAL
3	5468.27	66.02	74.00	-7.98	58.23	6.60	34.25	33.06	Peak	152	289	HORIZONTAL
4	5470.00	51.14	54.00	-2.86	43.35	6.60	34.25	33.06	Average	152	289	HORIZONTAL
5	5506.09	115.08			107.20	6.65	34.30	33.07	Peak	152	289	HORIZONTAL
6	5507.05	104.09			96.21	6.65	34.30	33.07	Average	152	289	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

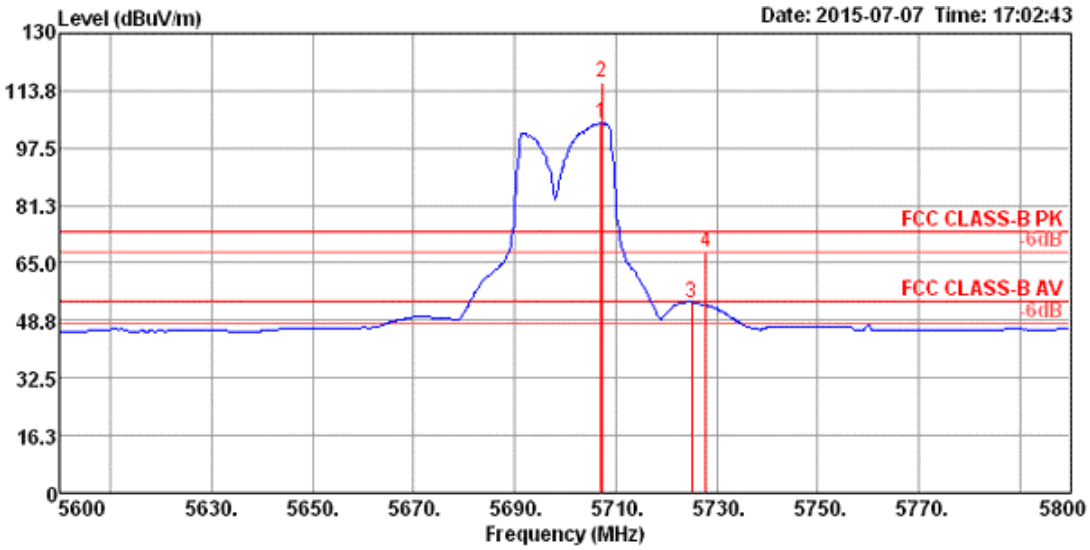
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5439.78	46.89	54.00	-7.11	39.20	6.56	34.19	33.06	Average	154	300	HORIZONTAL
2	5455.80	61.17	74.00	-12.83	53.41	6.60	34.22	33.06	Peak	154	300	HORIZONTAL
3	5461.99	45.41	54.00	-8.59	37.65	6.60	34.22	33.06	Average	154	300	HORIZONTAL
4	5463.01	61.15	74.00	-12.85	53.36	6.60	34.25	33.06	Peak	154	300	HORIZONTAL
5	5585.61	103.99			96.01	6.72	34.35	33.09	Average	154	300	HORIZONTAL
6	5585.61	115.23			107.25	6.72	34.35	33.09	Peak	154	300	HORIZONTAL
7	5726.64	59.51	74.00	-14.49	51.38	6.83	34.43	33.13	Peak	154	300	HORIZONTAL
8	5760.29	46.88	54.00	-7.12	38.69	6.88	34.46	33.15	Average	154	300	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

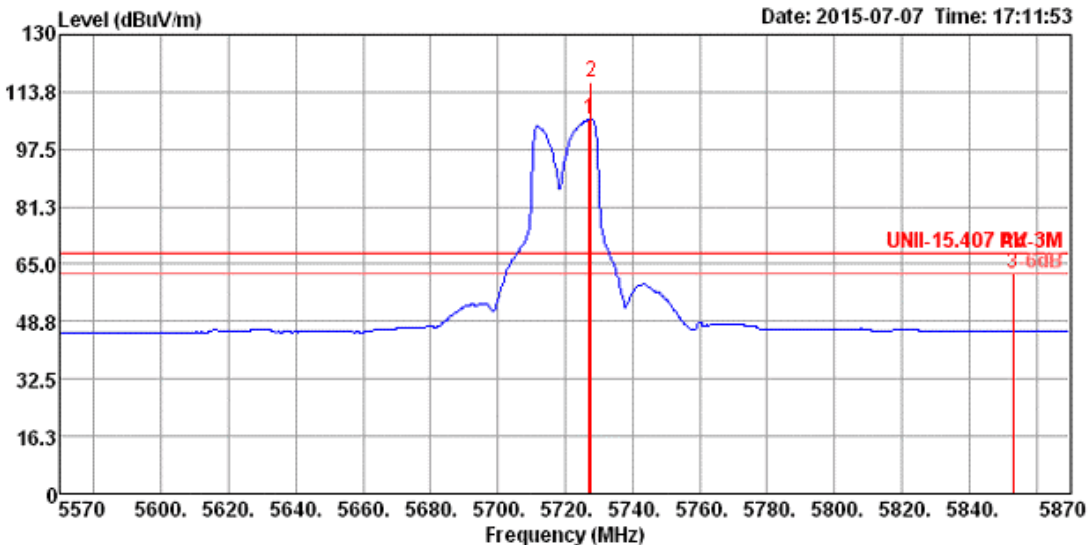
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5707.05	104.46			96.34	6.83	34.42	33.13	Average	162	294	HORIZONTAL
2	5707.37	115.87			107.75	6.83	34.42	33.13	Peak	162	294	HORIZONTAL
3	5725.00	53.93	54.00	-0.07	45.80	6.83	34.43	33.13	Average	162	294	HORIZONTAL
4	5727.89	68.20	74.00	-5.80	60.07	6.83	34.43	33.13	Peak	162	294	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

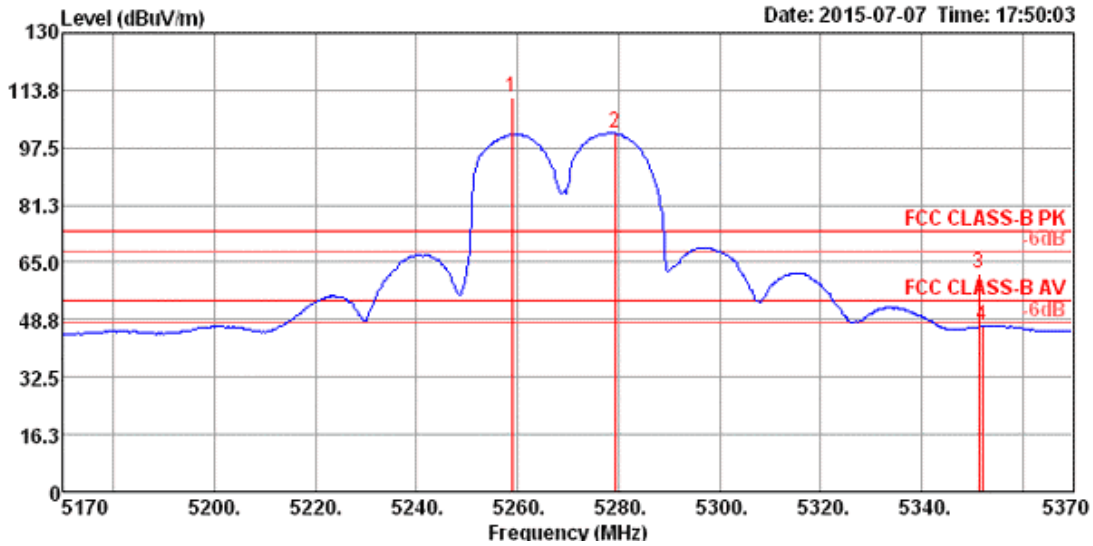


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5727.21	105.82			97.69	6.83	34.43	33.13	Average	165	296	HORIZONTAL
2	5727.69	116.77			108.64	6.83	34.43	33.13	Peak	165	296	HORIZONTAL
3	5853.17	62.16	68.20	-6.04	53.87	6.95	34.51	33.17	Peak	165	296	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 4 + Chain 5

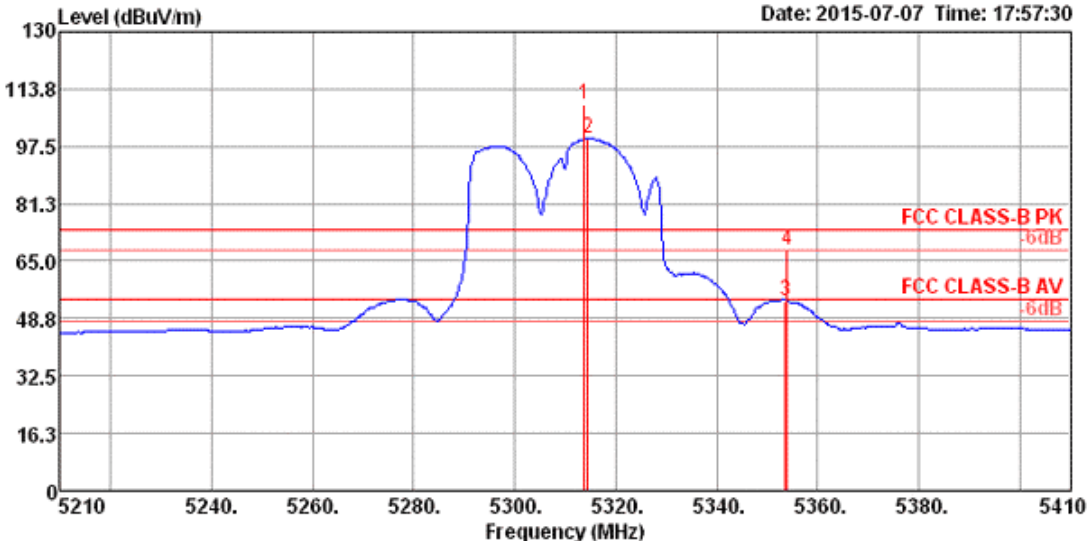
Channel 54



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5258.78	111.54			104.33	6.34	33.93	33.06	Peak	189	296	HORIZONTAL
2	5279.30	101.63			94.37	6.37	33.95	33.06	Average	189	296	HORIZONTAL
3	5351.41	61.77	74.00	-12.23	54.30	6.47	34.06	33.06	Peak	189	296	HORIZONTAL
4	5352.05	46.92	54.00	-7.08	39.45	6.47	34.06	33.06	Average	189	296	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

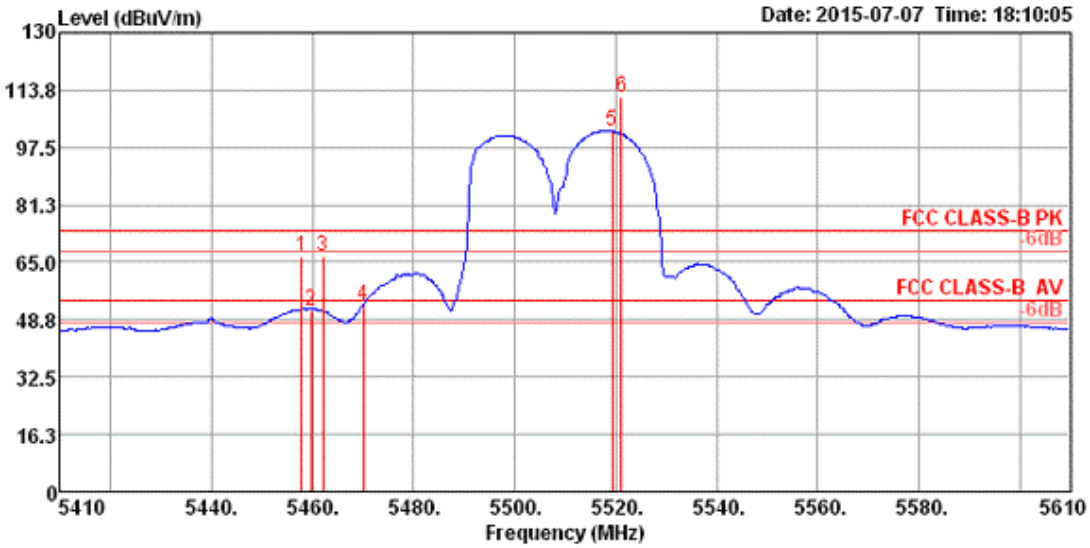


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5313.85	109.34			101.99	6.40	34.01	33.06	Peak	195	301	HORIZONTAL
2	5314.49	99.73			92.38	6.40	34.01	33.06	Average	195	301	HORIZONTAL
3	5353.59	53.95	54.00	-0.05	46.48	6.47	34.06	33.06	Average	195	301	HORIZONTAL
4	5353.91	68.00	74.00	-6.00	60.53	6.47	34.06	33.06	Peak	195	301	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134, 142 / Chain 4 + Chain 5

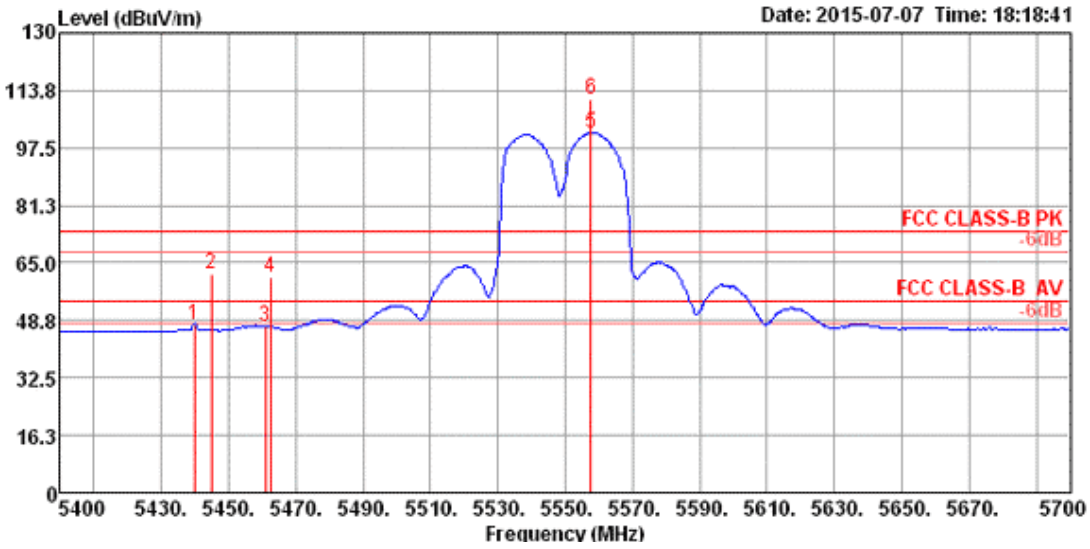
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5457.76	66.54	74.00	-7.46	58.78	6.60	34.22	33.06	Peak	150	288	HORIZONTAL
2	5459.68	51.56	54.00	-2.44	43.80	6.60	34.22	33.06	Average	150	288	HORIZONTAL
3	5461.92	66.64	74.00	-7.36	58.88	6.60	34.22	33.06	Peak	150	288	HORIZONTAL
4	5470.00	52.73	54.00	-1.27	44.94	6.60	34.25	33.06	Average	150	288	HORIZONTAL
5	5519.30	102.24			94.35	6.65	34.31	33.07	Average	150	288	HORIZONTAL
6	5521.22	111.80			103.91	6.65	34.31	33.07	Peak	150	288	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

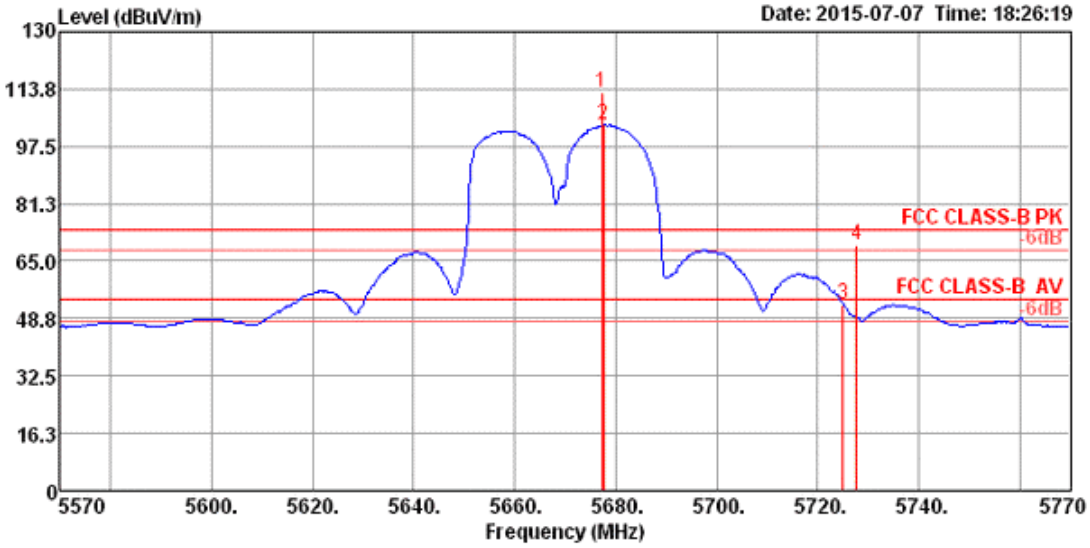
Channel 110



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5439.90	47.60	54.00	-6.40	39.91	6.56	34.19	33.06	Average	145	289	HORIZONTAL
2	5444.71	61.67	74.00	-12.33	53.98	6.56	34.19	33.06	Peak	145	289	HORIZONTAL
3	5460.87	47.05	54.00	-6.95	39.29	6.60	34.22	33.06	Average	145	289	HORIZONTAL
4	5462.40	60.79	74.00	-13.21	53.03	6.60	34.22	33.06	Peak	145	289	HORIZONTAL
5	5557.69	101.71			93.76	6.70	34.33	33.08	Average	145	289	HORIZONTAL
6	5557.69	111.27			103.32	6.70	34.33	33.08	Peak	145	289	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

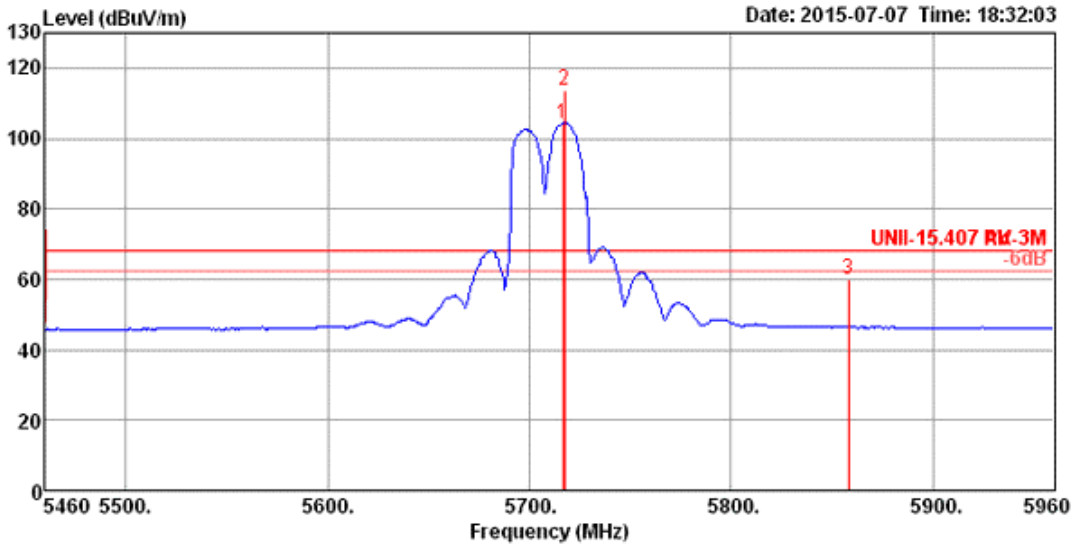
Channel 134



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5677.37	112.95			104.88	6.79	34.40	33.12	Peak	142	284	HORIZONTAL
2	5677.69	103.46			95.39	6.79	34.40	33.12	Average	142	284	HORIZONTAL
3	5725.00	52.69	54.00	-1.31	44.56	6.83	34.43	33.13	Average	142	284	HORIZONTAL
4	5727.69	69.38	74.00	-4.62	61.25	6.83	34.43	33.13	Peak	142	284	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Channel 142

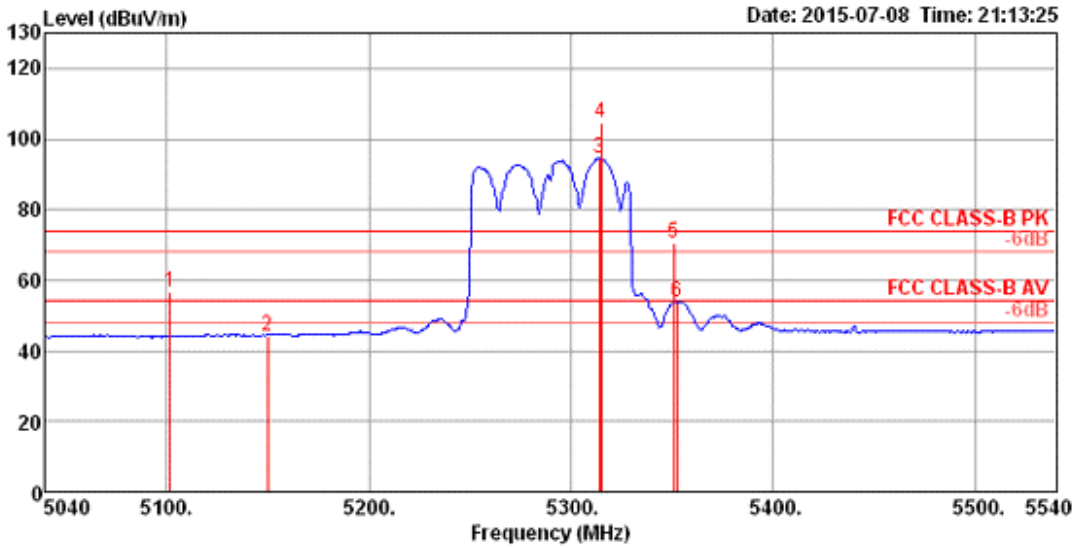


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5716.41	104.25			96.13	6.83	34.42	33.13	156	291	Average	HORIZONTAL
2	5717.21	113.80			105.68	6.83	34.42	33.13	156	291	Peak	HORIZONTAL
3	5858.24	59.80	68.20	-8.40	51.49	6.97	34.52	33.18	156	291	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122, 138 / Chain 4 + Chain 5

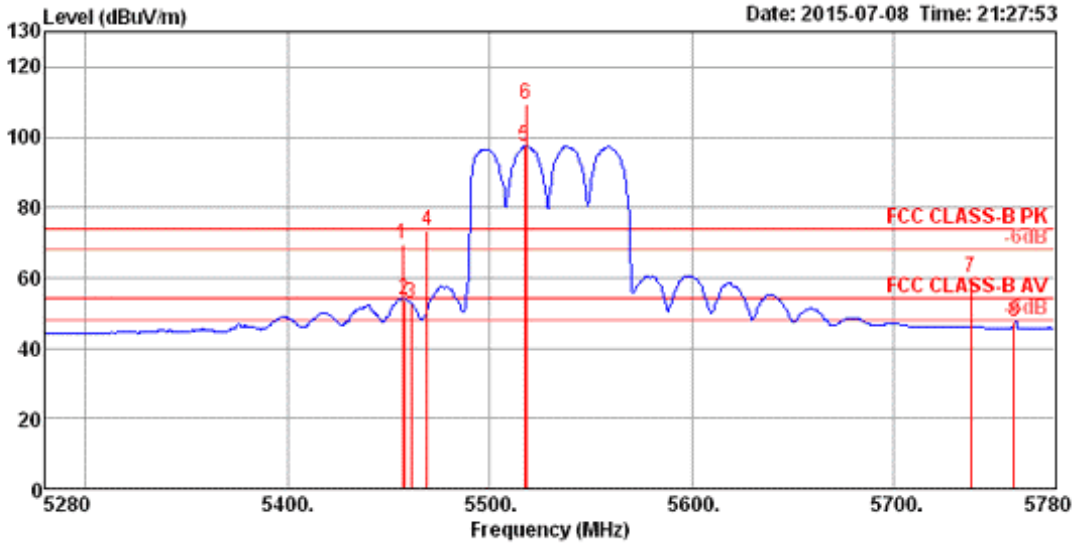
Channel 58



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5101.70	56.68	74.00	-17.32	49.93	6.14	33.66	33.05	302	166	Peak	HORIZONTAL
2	5150.00	44.37	54.00	-9.63	37.47	6.21	33.74	33.05	302	166	Average	HORIZONTAL
3	5314.04	94.64			87.29	6.40	34.01	33.06	302	166	Average	HORIZONTAL
4	5314.84	104.55			97.20	6.40	34.01	33.06	302	166	Peak	HORIZONTAL
5	5350.90	70.67	74.00	-3.33	63.20	6.47	34.06	33.06	302	166	Peak	HORIZONTAL
6	5352.50	53.82	54.00	-0.18	46.35	6.47	34.06	33.06	302	166	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

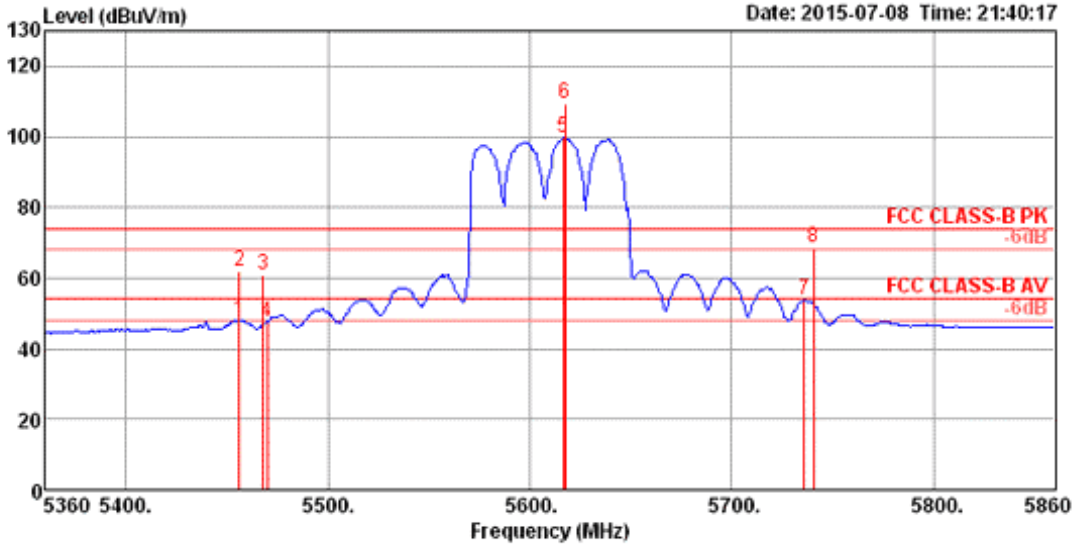
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5457.08	69.68	74.00	-4.32	61.92	6.60	34.22	33.06	293	167	Peak	HORIZONTAL
2	5457.89	53.96	54.00	-0.04	46.20	6.60	34.22	33.06	293	167	Average	HORIZONTAL
3	5461.09	52.72	54.00	-1.28	44.96	6.60	34.22	33.06	293	167	Average	HORIZONTAL
4	5469.20	73.60	74.00	-0.40	65.81	6.60	34.25	33.06	293	167	Peak	HORIZONTAL
5	5517.18	97.54			89.65	6.65	34.31	33.07	293	167	Average	HORIZONTAL
6	5517.98	109.24			101.35	6.65	34.31	33.07	293	167	Peak	HORIZONTAL
7	5738.33	59.82	74.00	-14.18	51.66	6.86	34.44	33.14	293	167	Peak	HORIZONTAL
8	5759.97	47.47	54.00	-6.53	39.28	6.88	34.46	33.15	293	167	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

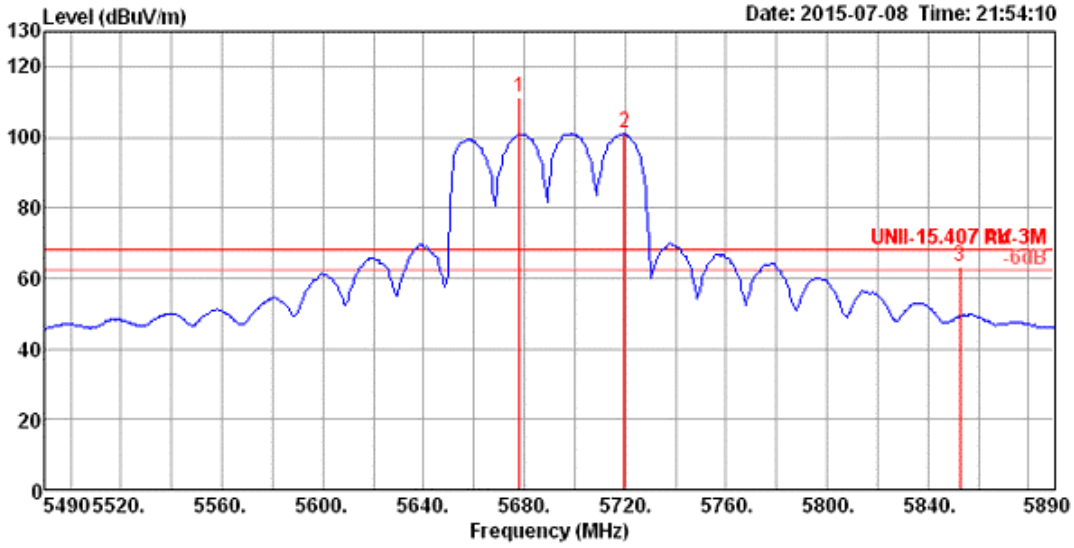
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5456.15	47.98	54.00	-6.02	40.22	6.60	34.22	33.06	297	157	Average	HORIZONTAL
2	5456.15	61.69	74.00	-12.31	53.93	6.60	34.22	33.06	297	157	Peak	HORIZONTAL
3	5467.60	60.73	74.00	-13.27	52.94	6.60	34.25	33.06	297	157	Peak	HORIZONTAL
4	5470.00	47.43	54.00	-6.57	39.64	6.60	34.25	33.06	297	157	Average	HORIZONTAL
5	5616.41	99.58			91.57	6.74	34.37	33.10	297	157	Average	HORIZONTAL
6	5617.21	109.39			101.38	6.74	34.37	33.10	297	157	Peak	HORIZONTAL
7	5735.80	53.58	54.00	-0.42	45.42	6.86	34.44	33.14	297	157	Average	HORIZONTAL
8	5740.61	68.64	74.00	-5.36	60.48	6.86	34.44	33.14	297	157	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5610 MHz.

Channel 138



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5677.98	111.28			103.21	6.79	34.40	33.12	150	290	Peak	HORIZONTAL
2	5719.65	100.99			92.86	6.83	34.43	33.13	150	290	Average	HORIZONTAL
3	5852.66	63.53	68.20	-4.67	55.24	6.95	34.51	33.17	150	290	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

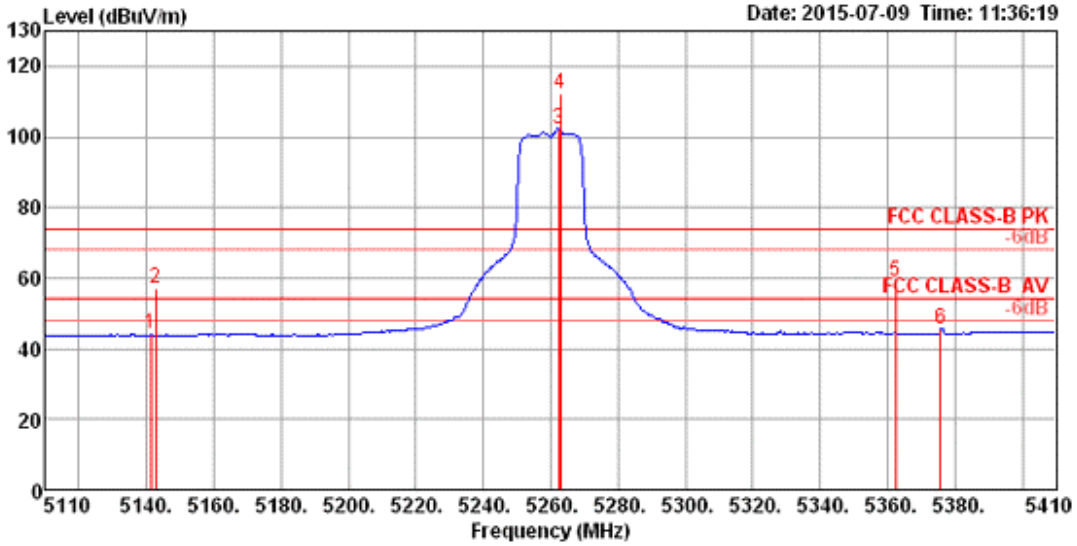
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 52, 60, 64 / Chain 4 + Chain 5

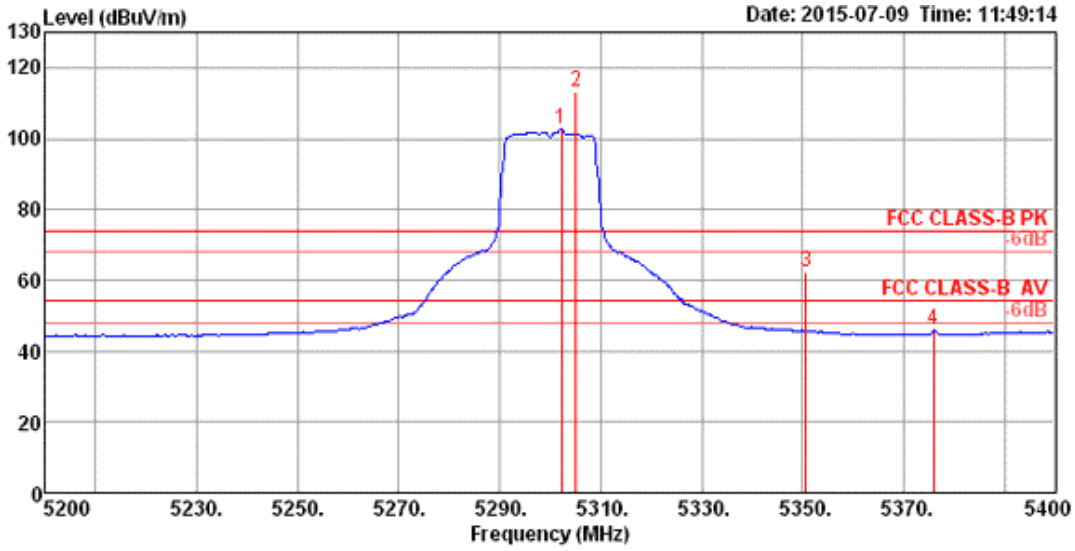
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5141.25	43.98	54.00	-10.02	37.12	6.17	33.74	33.05	184	57	Average	HORIZONTAL
2	5142.69	56.94	74.00	-17.06	50.08	6.17	33.74	33.05	184	57	Peak	HORIZONTAL
3	5262.40	102.37			95.16	6.34	33.93	33.06	184	57	Average	HORIZONTAL
4	5262.89	112.48			105.27	6.34	33.93	33.06	184	57	Peak	HORIZONTAL
5	5362.40	58.96	74.00	-15.04	51.46	6.47	34.09	33.06	184	57	Peak	HORIZONTAL
6	5375.87	45.40	54.00	-8.60	37.87	6.50	34.09	33.06	184	57	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

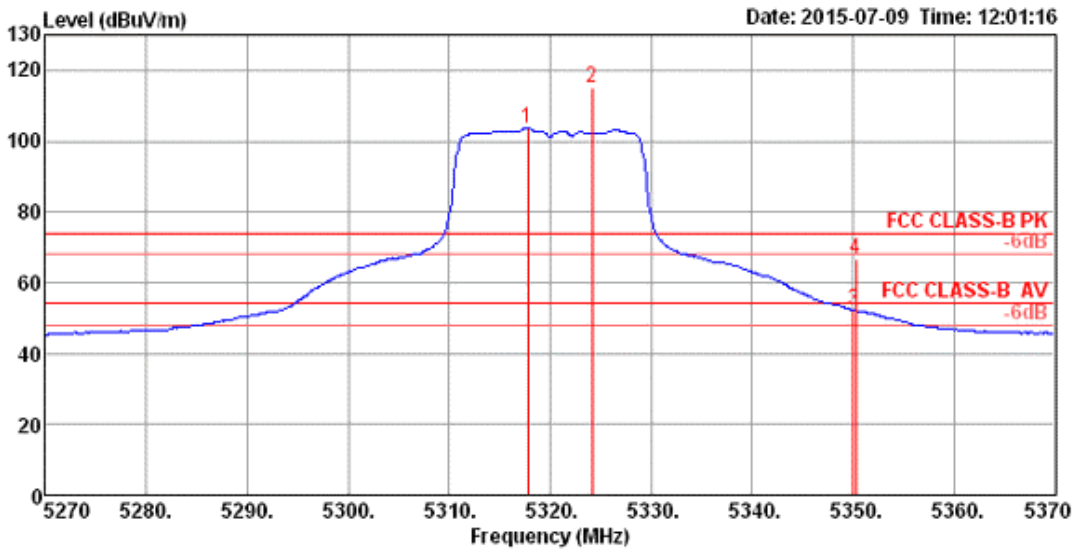
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.24	102.49			95.17	6.40	33.98	33.06	183	64	Average	HORIZONTAL
2	5305.13	113.35			106.03	6.40	33.98	33.06	183	64	Peak	HORIZONTAL
3	5350.64	62.22	74.00	-11.78	54.75	6.47	34.06	33.06	183	64	Peak	HORIZONTAL
4	5375.96	45.97	54.00	-8.03	38.44	6.50	34.09	33.06	183	64	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

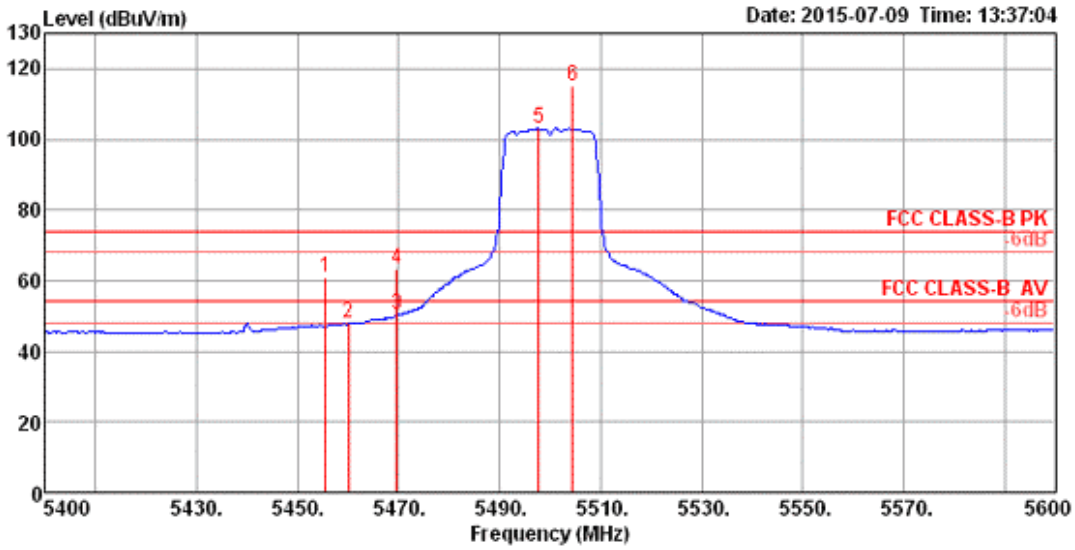


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5317.76	103.67			96.32	6.40	34.01	33.06	170	303	Average	HORIZONTAL
2	5324.17	115.23			107.85	6.43	34.01	33.06	170	303	Average	HORIZONTAL
3	5350.00	52.33	54.00	-1.67	44.86	6.47	34.06	33.06	170	303	Average	HORIZONTAL
4	5350.29	66.90	54.00	12.90	59.43	6.47	34.06	33.06	170	303	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 100, 116, 140, 144 / Chain 4 + Chain 5

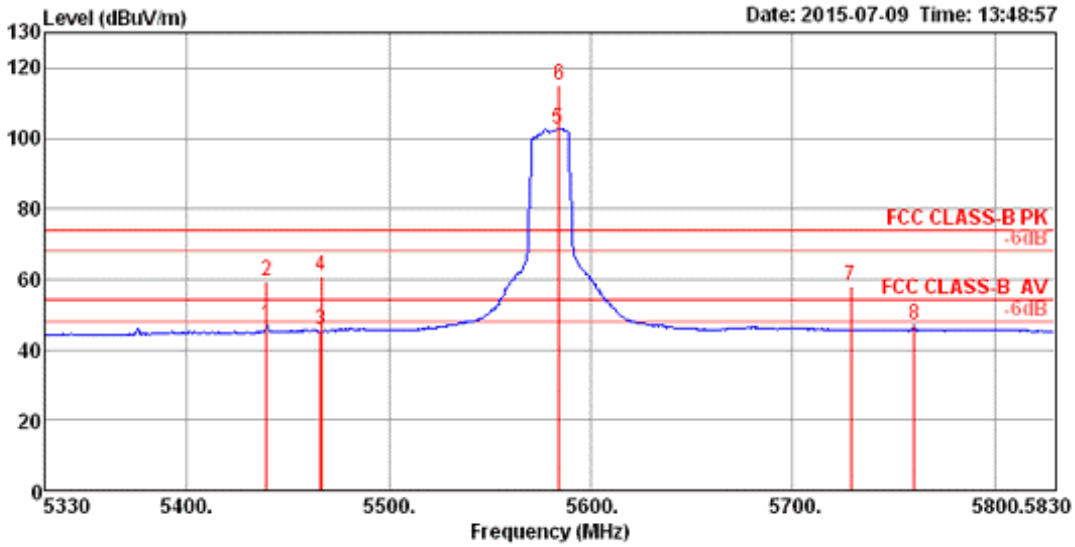
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.45	61.13	74.00	-12.87	53.37	6.60	34.22	33.06	150	297	Peak	HORIZONTAL
2	5460.00	47.93	54.00	-6.07	40.17	6.60	34.22	33.06	150	297	Average	HORIZONTAL
3	5469.55	50.15	54.00	-3.85	42.36	6.60	34.25	33.06	150	297	Average	HORIZONTAL
4	5469.55	63.16	74.00	-10.84	55.37	6.60	34.25	33.06	150	297	Peak	HORIZONTAL
5	5497.76	102.97			95.10	6.63	34.30	33.06	150	297	Average	HORIZONTAL
6	5504.49	115.26			107.38	6.65	34.30	33.07	150	297	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

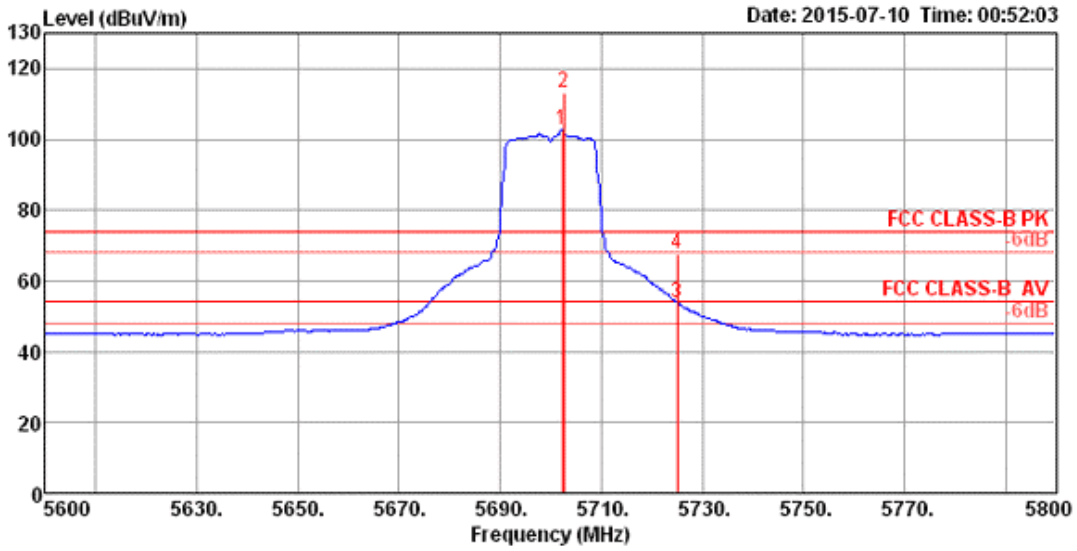
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5439.62	47.00	54.00	-7.00	39.31	6.56	34.19	33.06	145	290	Average	HORIZONTAL
2	5439.62	59.66	74.00	-14.34	51.97	6.56	34.19	33.06	145	290	Peak	HORIZONTAL
3	5466.25	45.49	54.00	-8.51	37.70	6.60	34.25	33.06	145	290	Average	HORIZONTAL
4	5466.73	61.12	74.00	-12.88	53.33	6.60	34.25	33.06	145	290	Peak	HORIZONTAL
5	5583.85	102.65			94.67	6.72	34.35	33.09	145	290	Average	HORIZONTAL
6	5584.33	115.13			107.15	6.72	34.35	33.09	145	290	Peak	HORIZONTAL
7	5729.04	58.07	74.00	-15.93	49.94	6.83	34.43	33.13	145	290	Peak	HORIZONTAL
8	5760.29	47.13	54.00	-6.87	38.94	6.88	34.46	33.15	145	290	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

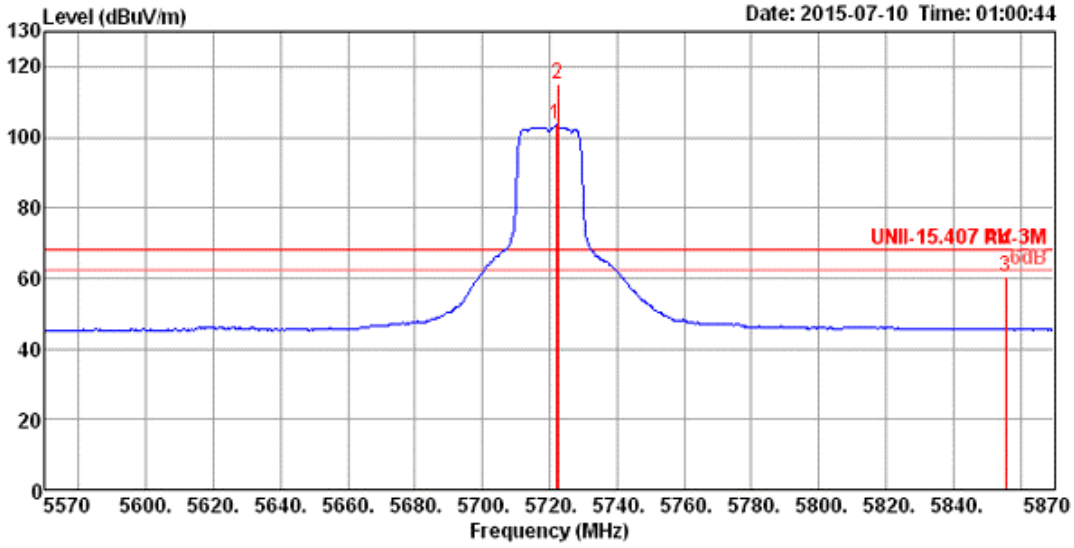
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.24	102.46			94.35	6.81	34.42	33.12	202	47	Average	HORIZONTAL
2	5702.56	113.05			104.94	6.81	34.42	33.12	202	47	Peak	HORIZONTAL
3	5725.00	53.77	54.00	-0.23	45.64	6.83	34.43	33.13	202	47	Average	HORIZONTAL
4	5725.00	67.68	74.00	-6.32	59.55	6.83	34.43	33.13	202	47	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

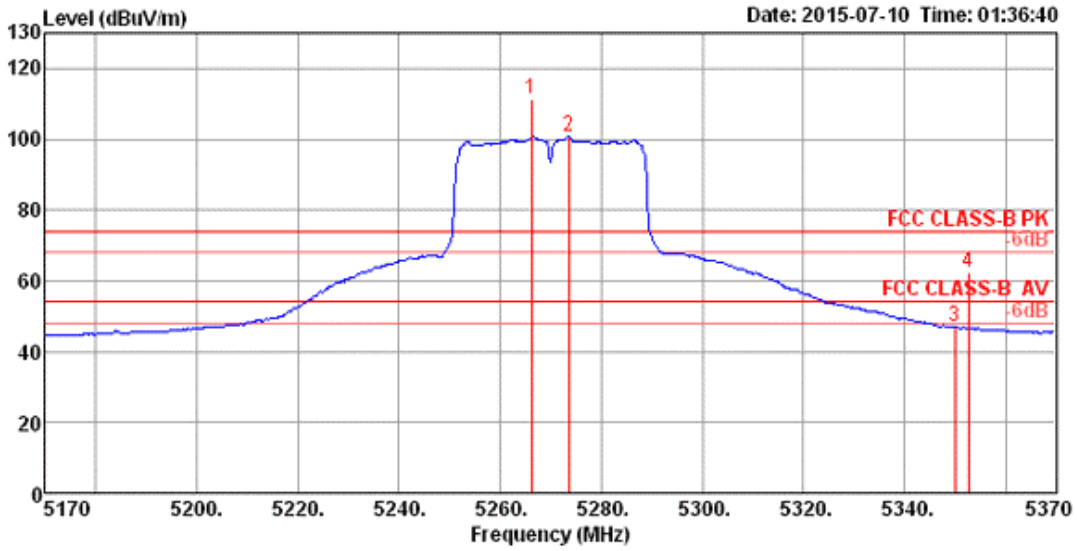


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5721.92	103.39			95.26	6.83	34.43	33.13	128	64	Average	HORIZONTAL
2	5722.40	115.29			107.16	6.83	34.43	33.13	128	64	Peak	HORIZONTAL
3	5855.58	60.47	68.20	-7.73	52.17	6.95	34.52	33.17	128	64	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 54, 62 / Chain 4 + Chain 5

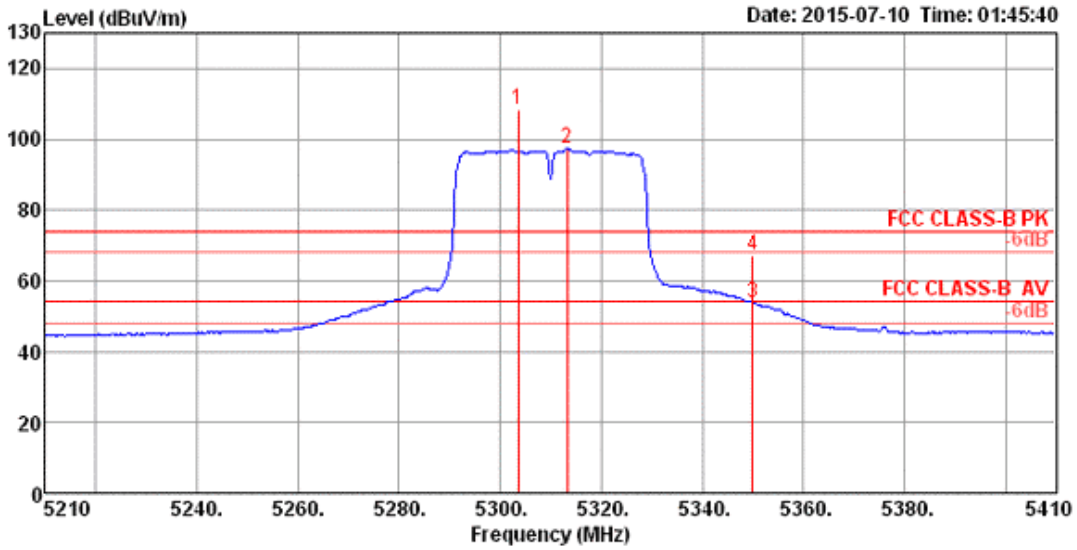
Channel 54



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5266.15	111.43			104.22	6.34	33.93	33.06	115	326	Peak	HORIZONTAL
2	5273.53	100.79			93.55	6.37	33.93	33.06	115	326	Average	HORIZONTAL
3	5350.00	46.90	54.00	-7.10	39.43	6.47	34.06	33.06	115	326	Average	HORIZONTAL
4	5352.69	62.35	74.00	-11.65	54.88	6.47	34.06	33.06	115	326	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

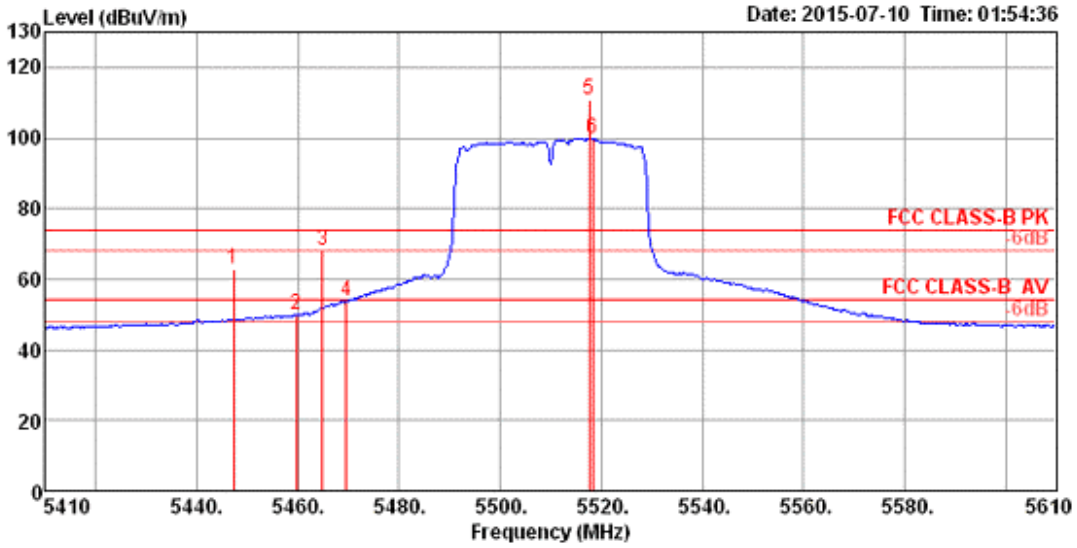


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5303.59	108.41			101.09	6.40	33.98	33.06	102	331	Peak	HORIZONTAL
2	5313.21	97.53			90.18	6.40	34.01	33.06	102	331	Average	HORIZONTAL
3	5350.00	53.86	54.00	-0.14	46.39	6.47	34.06	33.06	102	331	Average	HORIZONTAL
4	5350.00	67.37	74.00	-6.63	59.90	6.47	34.06	33.06	102	331	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 102, 110, 134, 142 / Chain 4 + Chain 5

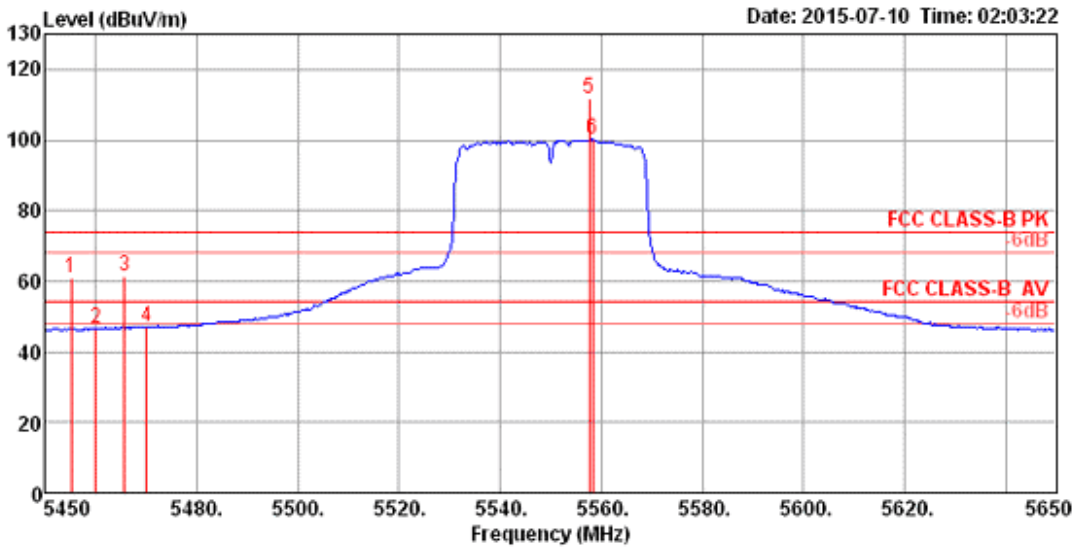
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5447.18	62.83	74.00	-11.17	55.11	6.56	34.22	33.06	132	87	Peak	HORIZONTAL
2	5459.68	49.77	54.00	-4.23	42.01	6.60	34.22	33.06	132	87	Average	HORIZONTAL
3	5464.81	68.33	74.00	-5.67	60.54	6.60	34.25	33.06	132	87	Peak	HORIZONTAL
4	5469.62	53.89	54.00	-0.11	46.10	6.60	34.25	33.06	132	87	Average	HORIZONTAL
5	5517.69	111.04			103.15	6.65	34.31	33.07	132	87	Peak	HORIZONTAL
6	5518.33	99.82			91.93	6.65	34.31	33.07	132	87	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

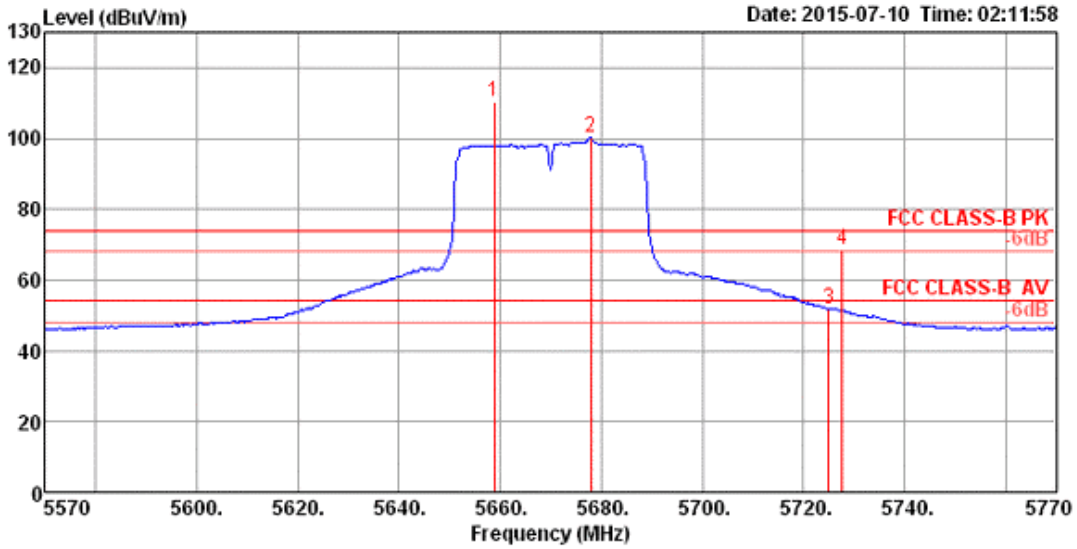
Channel 110



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.13	60.94	74.00	-13.06	53.18	6.60	34.22	33.06	131	89	Peak	HORIZONTAL
2	5460.00	46.50	54.00	-7.50	38.74	6.60	34.22	33.06	131	89	Average	HORIZONTAL
3	5465.71	61.52	74.00	-12.48	53.73	6.60	34.25	33.06	131	89	Peak	HORIZONTAL
4	5470.00	47.02	54.00	-6.98	39.23	6.60	34.25	33.06	131	89	Average	HORIZONTAL
5	5557.69	111.62			103.67	6.70	34.33	33.08	131	89	Peak	HORIZONTAL
6	5558.33	100.09			92.14	6.70	34.33	33.08	131	89	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

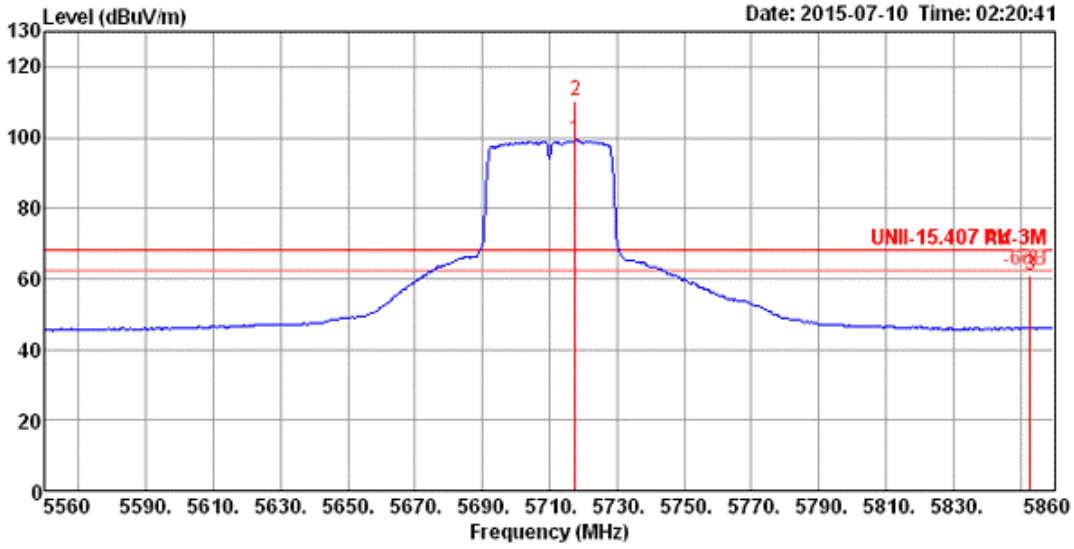
Channel 134



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5658.78	110.32			102.26	6.79	34.39	33.12	138	106	Peak	HORIZONTAL
2	5678.01	100.13			92.06	6.79	34.40	33.12	138	106	Average	HORIZONTAL
3	5725.00	51.59	54.00	-2.41	43.46	6.83	34.43	33.13	138	106	Average	HORIZONTAL
4	5727.69	68.46	74.00	-5.54	60.33	6.83	34.43	33.13	138	106	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Channel 144

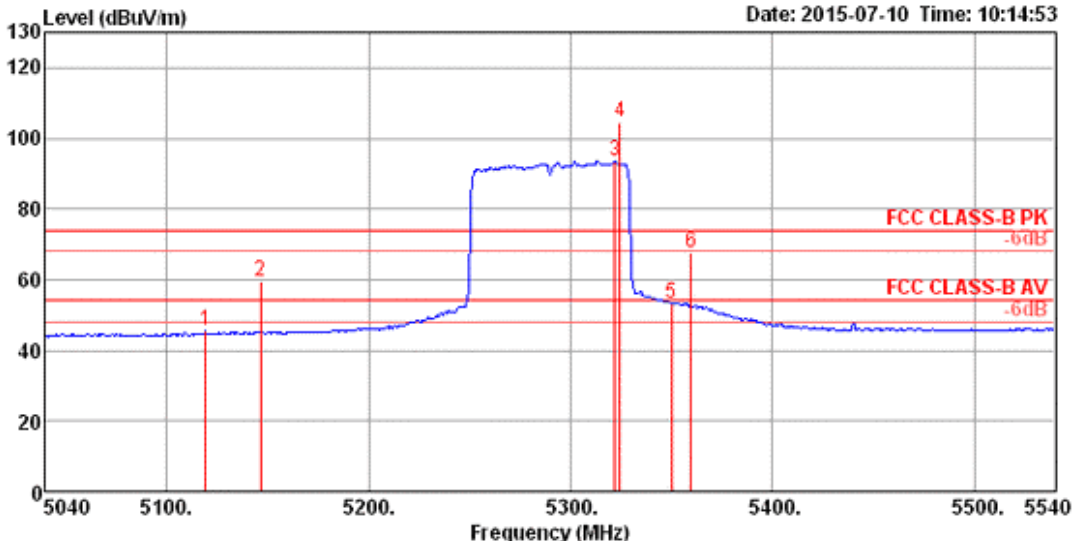


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5717.69	99.43			91.30	6.83	34.43	33.13	114	85	Average	HORIZONTAL
2	5717.69	110.44			102.31	6.83	34.43	33.13	114	85	Peak	HORIZONTAL
3	5852.89	60.72	68.20	-7.48	52.43	6.95	34.51	33.17	114	85	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 58, 106, 122, 138 / Chain 4 + Chain 5

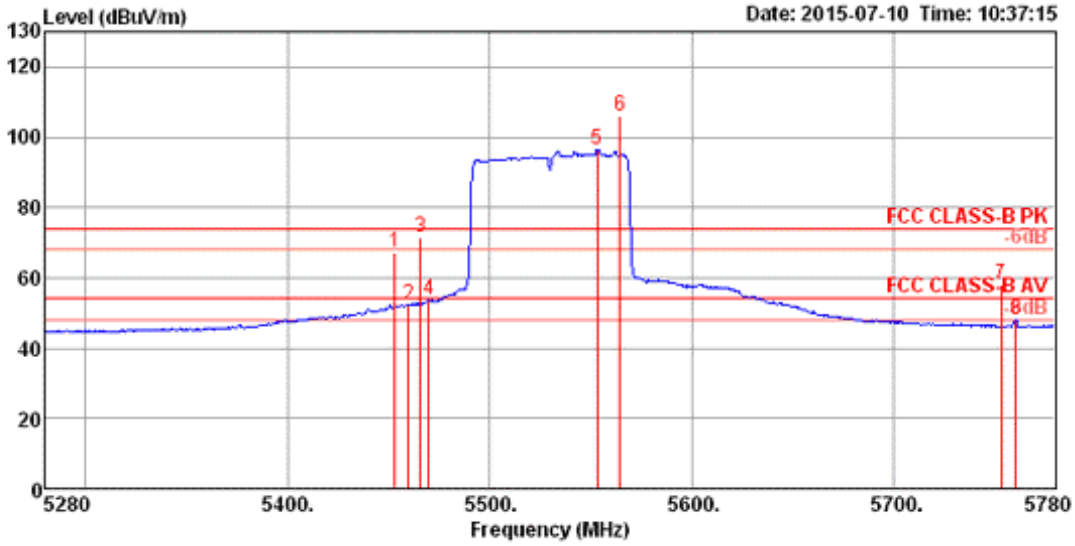
Channel 58



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5119.33	45.40	54.00	-8.60	38.59	6.17	33.69	33.05	178	290	Average	HORIZONTAL
2	5146.57	59.42	74.00	-14.58	52.52	6.21	33.74	33.05	178	290	Peak	HORIZONTAL
3	5322.05	93.71			86.36	6.40	34.01	33.06	178	290	Average	HORIZONTAL
4	5324.46	104.36			96.98	6.43	34.01	33.06	178	290	Peak	HORIZONTAL
5	5350.00	53.25	54.00	-0.75	45.78	6.47	34.06	33.06	178	290	Average	HORIZONTAL
6	5359.71	67.70	74.00	-6.30	60.23	6.47	34.06	33.06	178	290	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

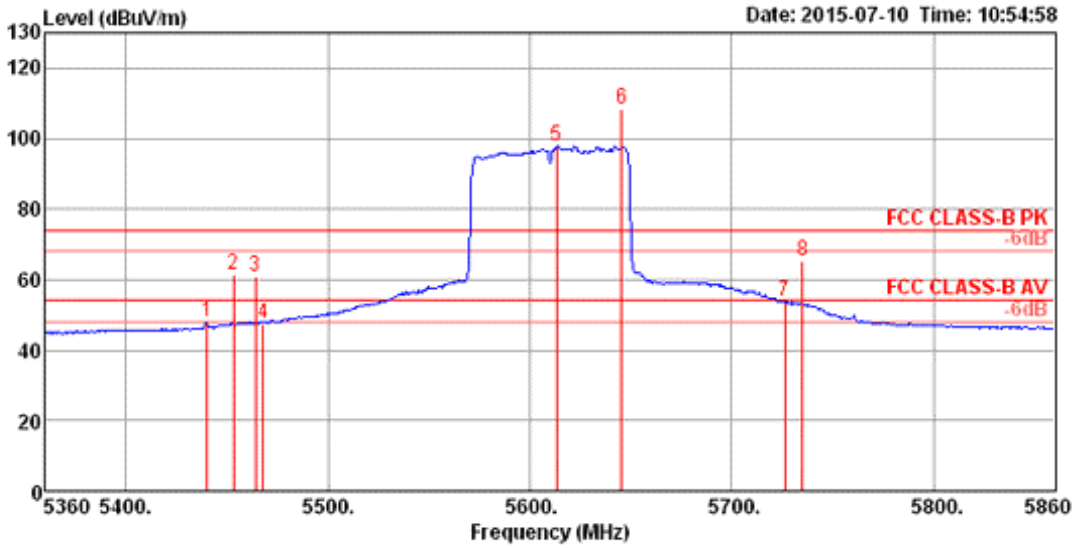
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5453.08	67.19	74.00	-6.81	59.43	6.60	34.22	33.06	156	304	Peak	HORIZONTAL
2	5460.00	52.27	54.00	-1.73	44.51	6.60	34.22	33.06	156	304	Average	HORIZONTAL
3	5465.90	71.45	74.00	-2.55	63.66	6.60	34.25	33.06	156	304	Peak	HORIZONTAL
4	5470.00	53.54	54.00	-0.46	45.75	6.60	34.25	33.06	156	304	Average	HORIZONTAL
5	5553.24	96.40			88.45	6.70	34.33	33.08	156	304	Average	HORIZONTAL
6	5564.46	106.25			98.30	6.70	34.33	33.08	156	304	Peak	HORIZONTAL
7	5753.56	58.28	74.00	-15.72	50.10	6.86	34.46	33.14	156	304	Peak	HORIZONTAL
8	5760.77	48.03	54.00	-5.97	39.84	6.88	34.46	33.15	156	304	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

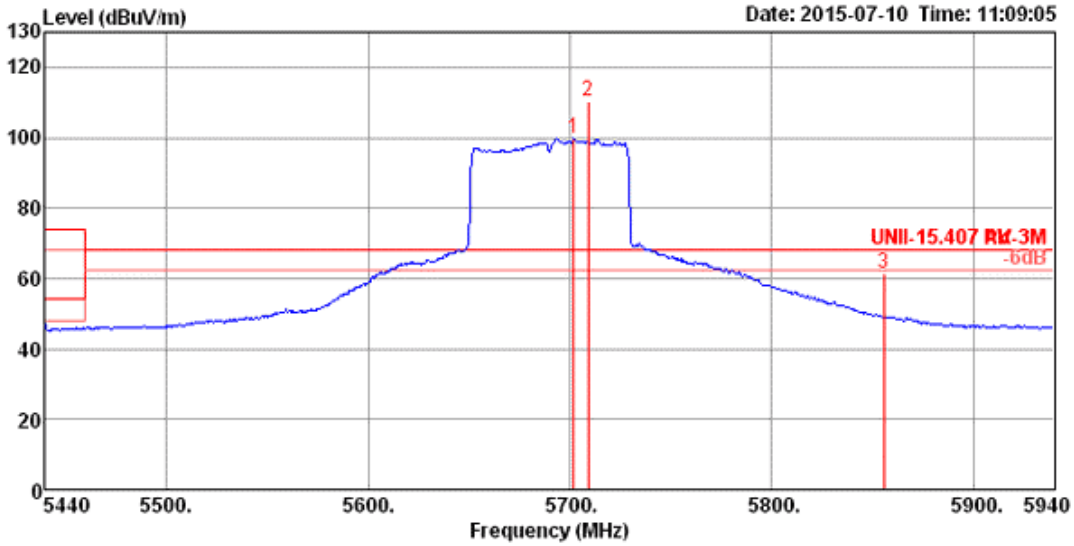
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5440.13	47.92	54.00	-6.08	40.23	6.56	34.19	33.06	157	284	Average	HORIZONTAL
2	5452.95	61.20	74.00	-12.80	53.44	6.60	34.22	33.06	157	284	Peak	HORIZONTAL
3	5464.17	60.93	74.00	-13.07	53.14	6.60	34.25	33.06	157	284	Peak	HORIZONTAL
4	5467.60	47.70	54.00	-6.30	39.91	6.60	34.25	33.06	157	284	Average	HORIZONTAL
5	5613.21	97.85			89.85	6.74	34.36	33.10	157	284	Average	HORIZONTAL
6	5645.26	108.57			100.54	6.76	34.38	33.11	157	284	Peak	HORIZONTAL
7	5726.19	53.84	54.00	-0.16	45.71	6.83	34.43	33.13	157	284	Average	HORIZONTAL
8	5735.00	65.09	74.00	-8.91	56.93	6.86	34.44	33.14	157	284	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 138



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5702.02	99.82			91.71	6.81	34.42	33.12	174	295	Average	HORIZONTAL
2	5709.23	110.49			102.37	6.83	34.42	33.13	174	295	Peak	HORIZONTAL
3	5855.87	61.51	68.20	-6.69	53.21	6.95	34.52	33.17	174	295	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

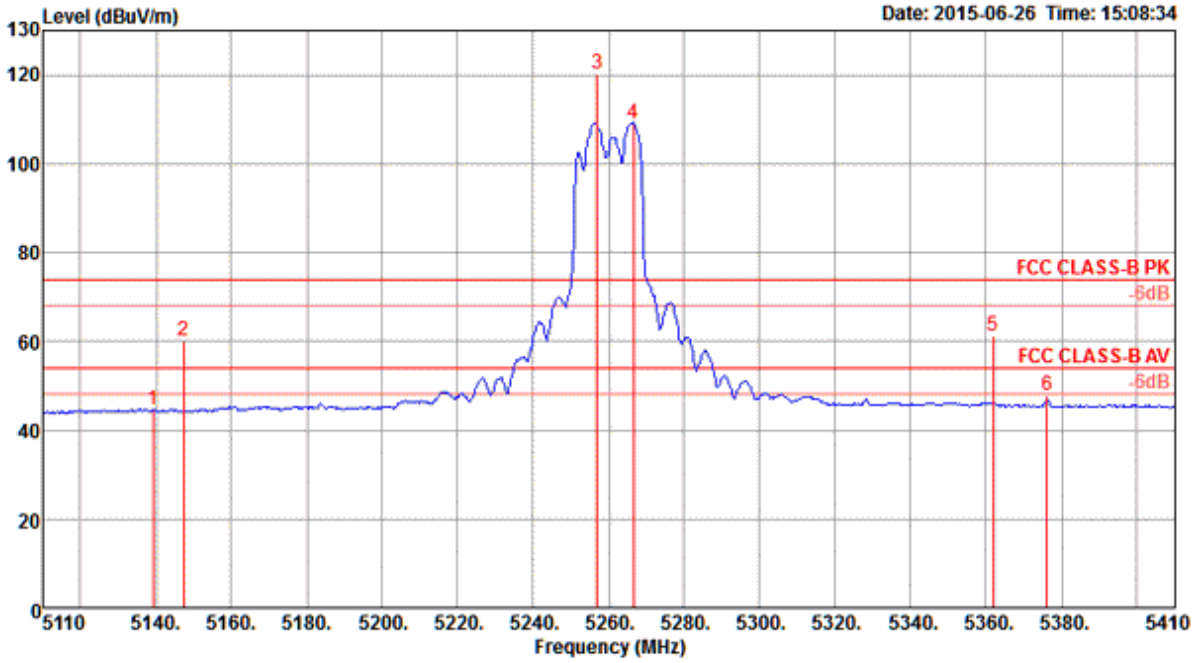
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 4 + Chain 5 + Chain 6

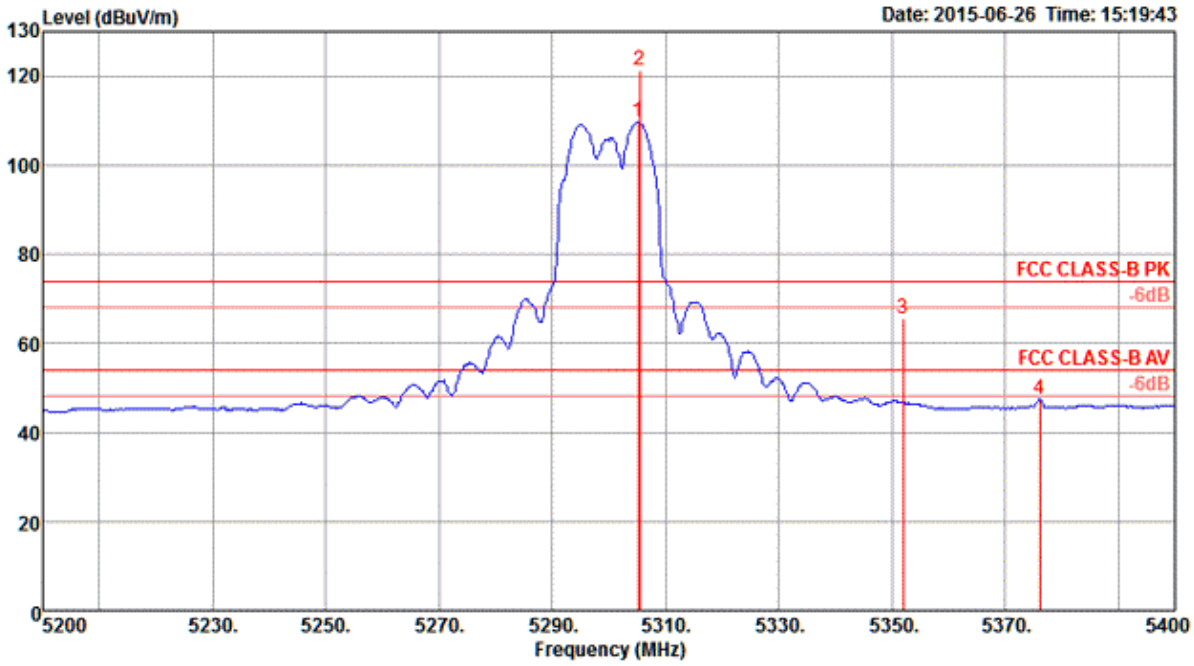
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5139.15	44.60	54.00	-9.40	41.58	4.25	33.24	34.47	109	187	Average	HORIZONTAL
2	5147.40	60.28	74.00	-13.72	57.22	4.26	33.27	34.47	109	187	Peak	HORIZONTAL
3	5256.96	120.31			117.03	4.30	33.45	34.47	109	187	Peak	HORIZONTAL
4	5266.51	109.17			105.85	4.31	33.48	34.47	109	187	Average	HORIZONTAL
5	5361.72	61.35	74.00	-12.65	57.80	4.36	33.66	34.47	109	187	Peak	HORIZONTAL
6	5376.05	47.72	54.00	-6.28	44.17	4.36	33.66	34.47	109	187	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

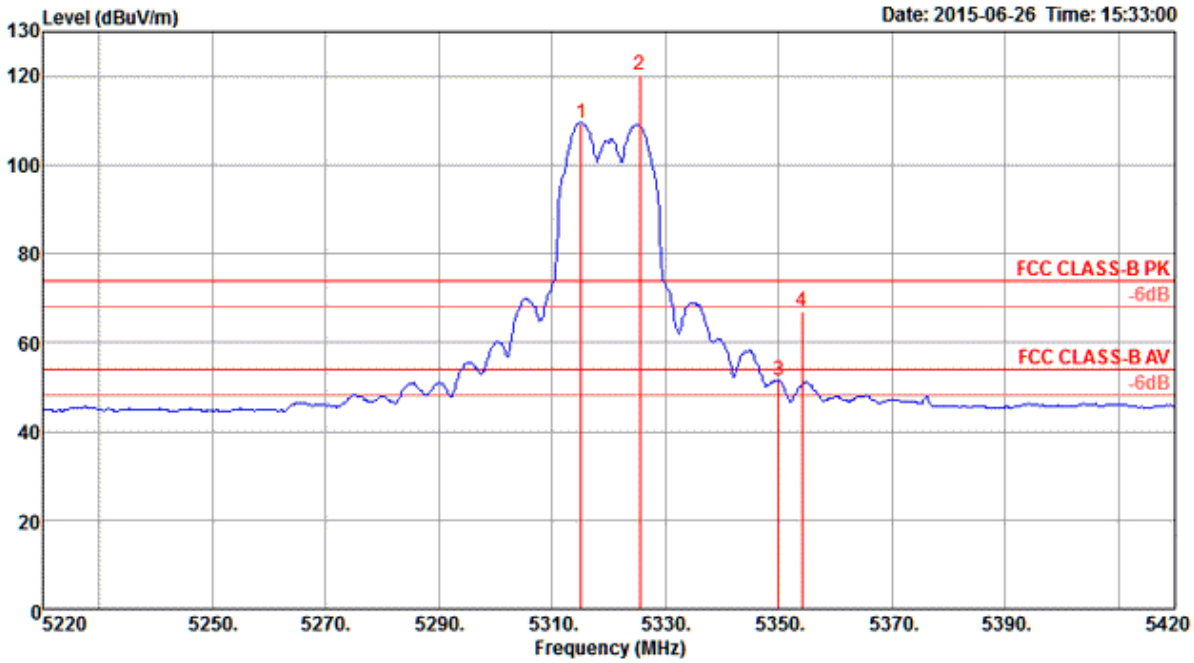
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5305.21	109.56			106.16	4.33	33.54	34.47	108	179	Average	HORIZONTAL
2	5305.50	121.19			117.79	4.33	33.54	34.47	108	179	Peak	HORIZONTAL
3	5352.03	65.52	74.00	-8.48	62.01	4.35	33.63	34.47	108	179	Peak	HORIZONTAL
4	5376.05	47.42	54.00	-6.58	43.87	4.36	33.66	34.47	108	179	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

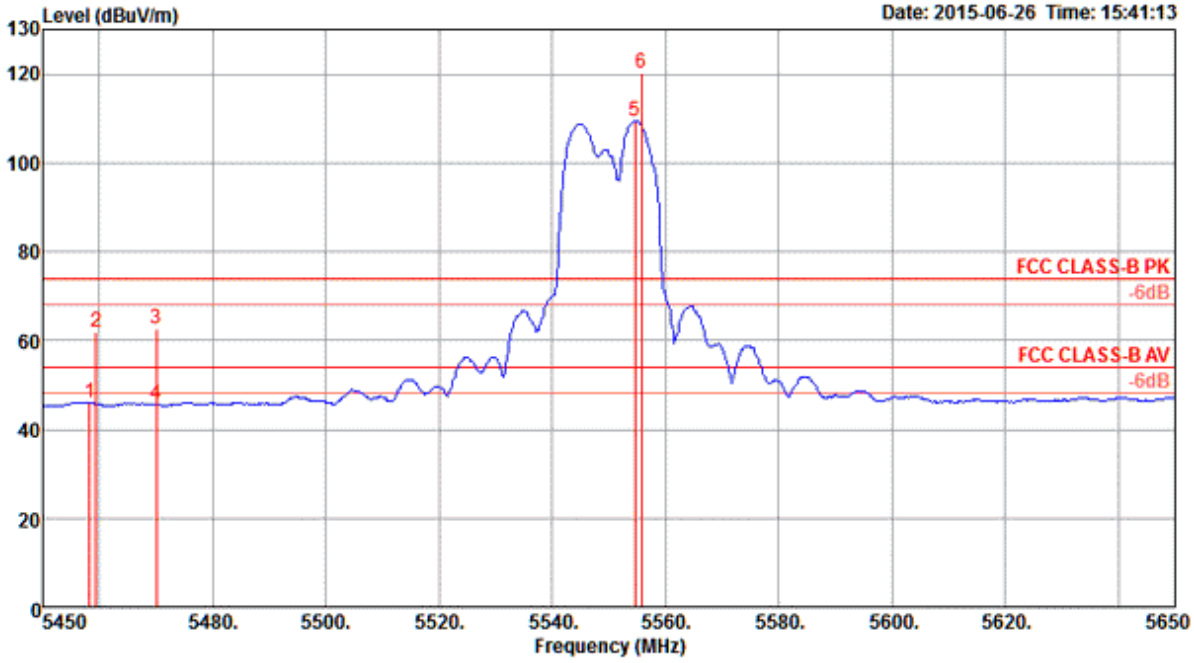


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5315.08	109.54			106.11	4.33	33.57	34.47	108	187	Average	HORIZONTAL
2	5325.50	120.40			116.97	4.33	33.57	34.47	108	187	Peak	HORIZONTAL
3	5350.00	51.34	54.00	-2.66	47.83	4.35	33.63	34.47	108	187	Average	HORIZONTAL
4	5354.05	67.08	74.00	-6.92	63.57	4.35	33.63	34.47	108	187	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140, 144 / Chain 4 + Chain 5 + Chain 6

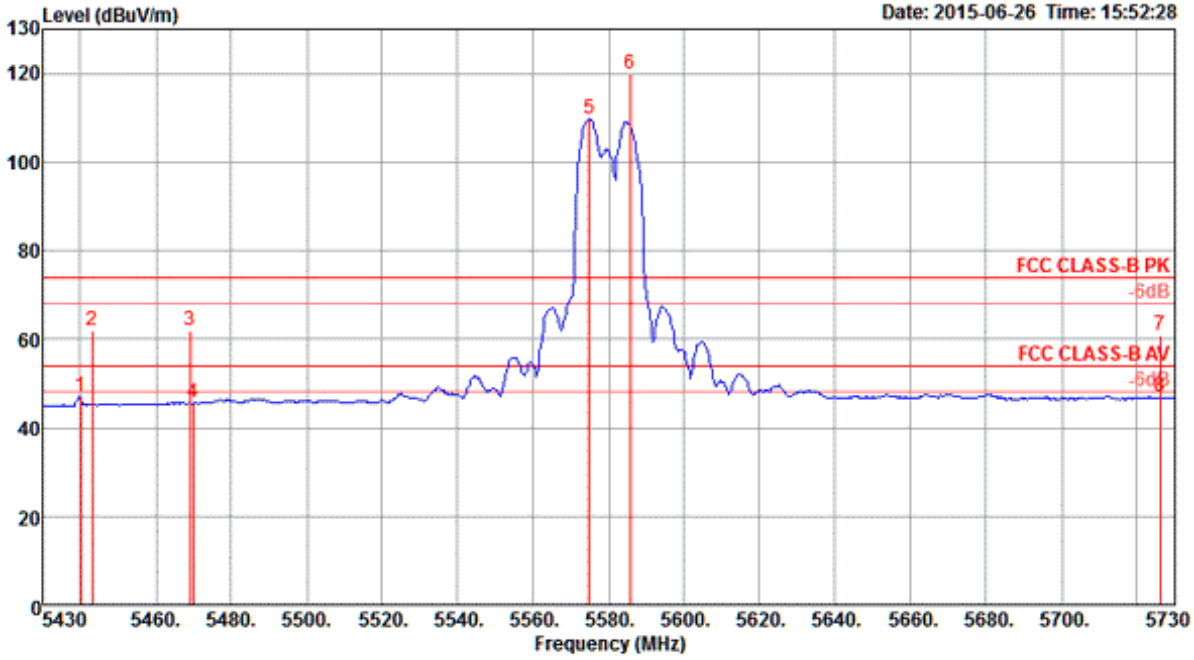
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5458.26	46.05	54.00	-7.95	42.31	4.40	33.81	34.47	111	178	Average	HORIZONTAL
2	5459.42	61.82	74.00	-12.18	58.08	4.40	33.81	34.47	111	178	Peak	HORIZONTAL
3	5470.00	62.81	74.00	-11.19	59.03	4.41	33.84	34.47	111	178	Peak	HORIZONTAL
4	5470.00	45.64	54.00	-8.36	41.86	4.41	33.84	34.47	111	178	Average	HORIZONTAL
5	5554.63	109.32			105.31	4.44	34.06	34.49	111	178	Average	HORIZONTAL
6	5555.79	120.29			116.28	4.44	34.06	34.49	111	178	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

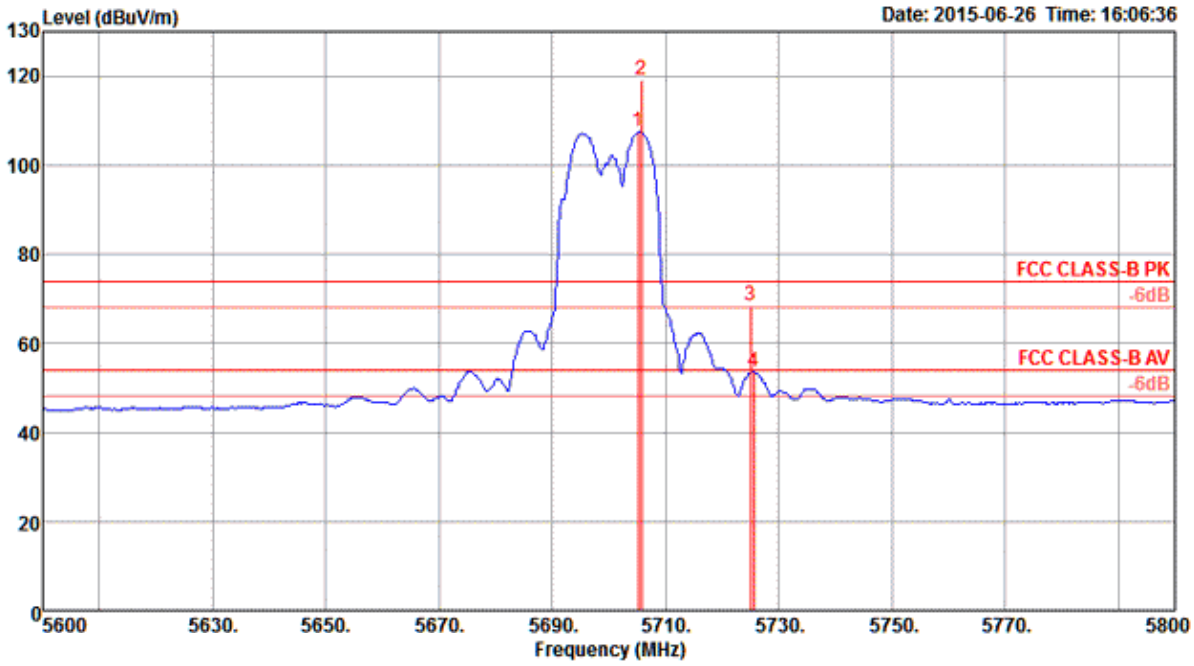
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5440.03	46.97	54.00	-7.03	43.27	4.39	33.78	34.47	109	182	Average	HORIZONTAL
2	5443.07	61.94	74.00	-12.06	58.24	4.39	33.78	34.47	109	182	Peak	HORIZONTAL
3	5469.13	61.76	74.00	-12.24	57.98	4.41	33.84	34.47	109	182	Peak	HORIZONTAL
4	5470.00	45.56	54.00	-8.44	41.78	4.41	33.84	34.47	109	182	Average	HORIZONTAL
5	5574.79	109.67			105.61	4.44	34.11	34.49	109	182	Average	HORIZONTAL
6	5585.64	119.85			115.73	4.45	34.16	34.49	109	182	Peak	HORIZONTAL
7	5726.10	60.99	74.00	-13.01	56.43	4.50	34.57	34.51	109	182	Peak	HORIZONTAL
8	5726.10	46.99	54.00	-7.01	42.43	4.50	34.57	34.51	109	182	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

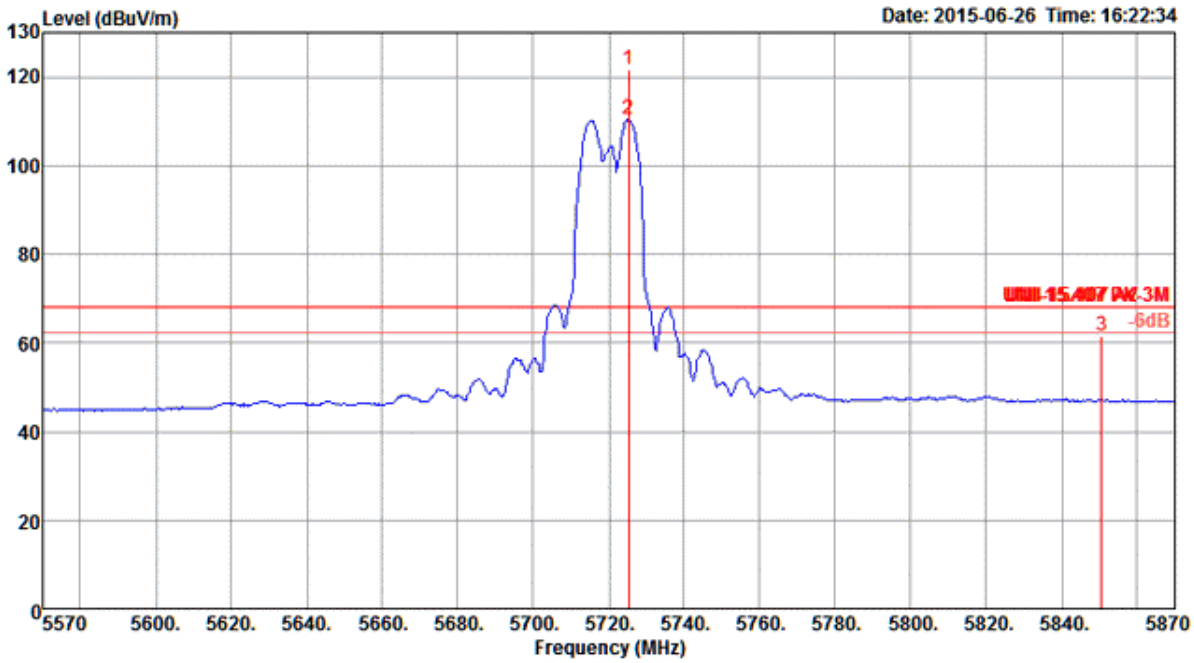
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5705.21	107.38			102.88	4.49	34.52	34.51	115	176	Average	HORIZONTAL
2	5705.79	119.08			114.58	4.49	34.52	34.51	115	176	Peak	HORIZONTAL
3	5725.00	68.26	74.00	-5.74	63.70	4.50	34.57	34.51	115	176	Peak	HORIZONTAL
4	5725.58	53.68	54.00	-0.32	49.12	4.50	34.57	34.51	115	176	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz

Channel 144

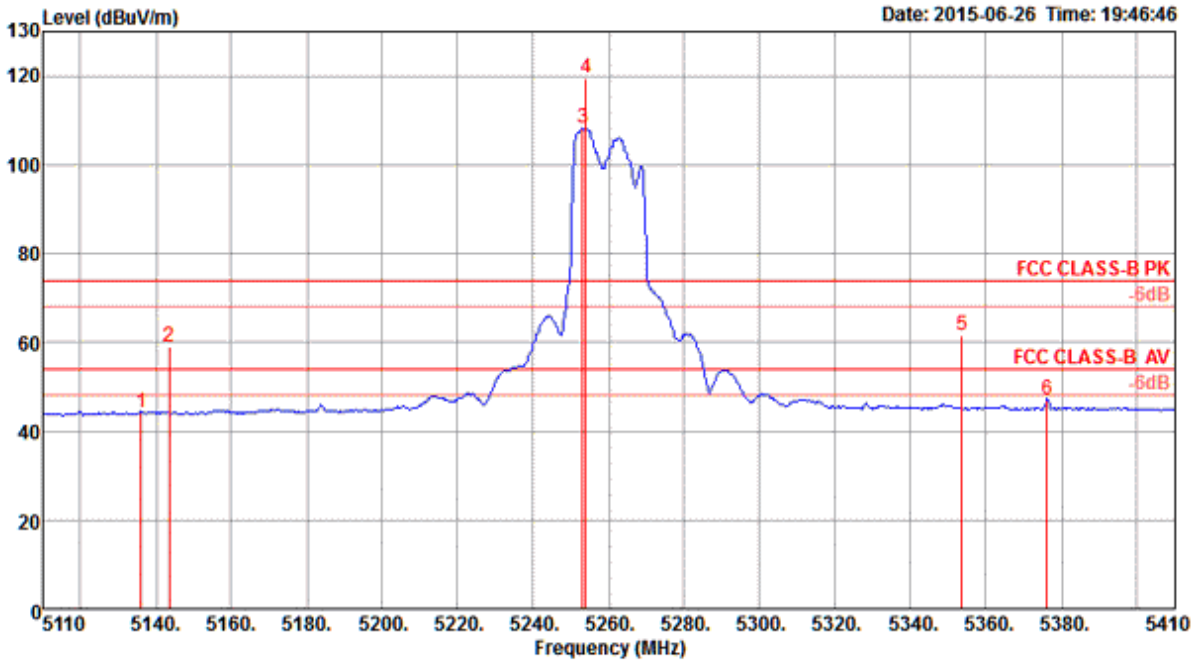


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5725.21	121.61			117.05	4.50	34.57	34.51	115	184	Peak	HORIZONTAL
2	5725.21	110.32			105.76	4.50	34.57	34.51	115	184	Average	HORIZONTAL
3	5850.43	61.60	68.20	-6.60	56.67	4.54	34.93	34.54	115	184	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 4 + Chain 5 + Chain 6

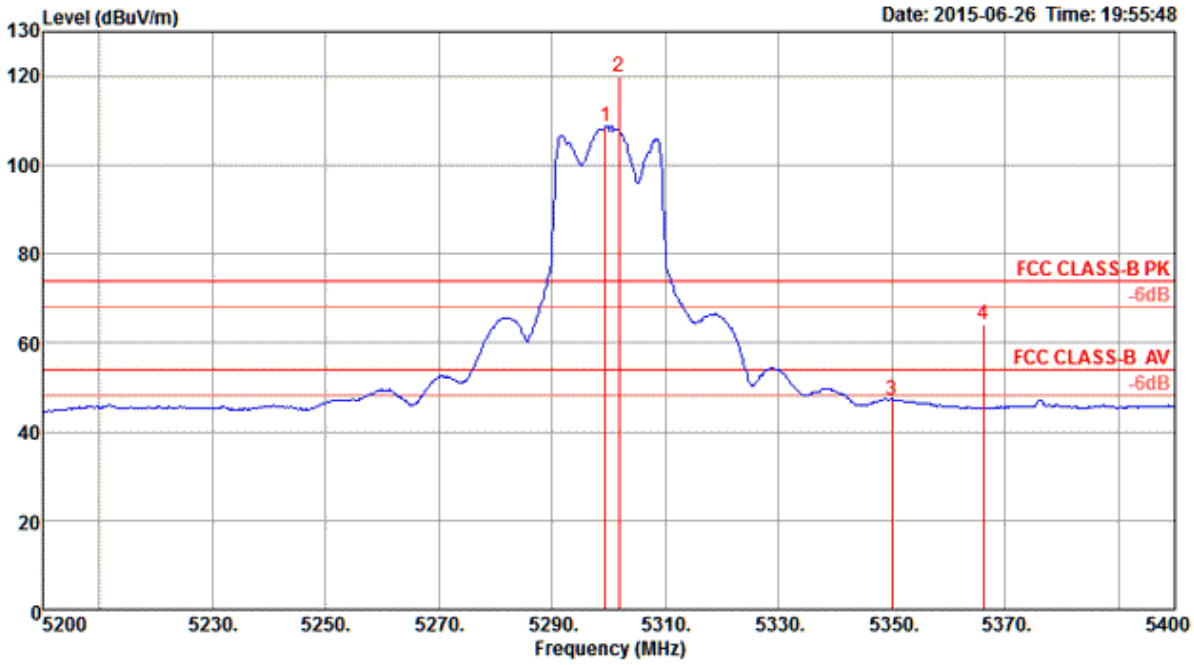
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5136.11	44.33	54.00	-9.67	41.31	4.25	33.24	34.47	106	180	Average	HORIZONTAL
2	5143.49	59.19	74.00	-14.81	56.13	4.26	33.27	34.47	106	180	Peak	HORIZONTAL
3	5253.05	108.23			104.95	4.30	33.45	34.47	106	180	Average	HORIZONTAL
4	5253.92	119.43			116.15	4.30	33.45	34.47	106	180	Peak	HORIZONTAL
5	5353.47	61.55	74.00	-12.45	58.04	4.35	33.63	34.47	106	180	Peak	HORIZONTAL
6	5376.05	47.25	54.00	-6.75	43.70	4.36	33.66	34.47	106	180	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

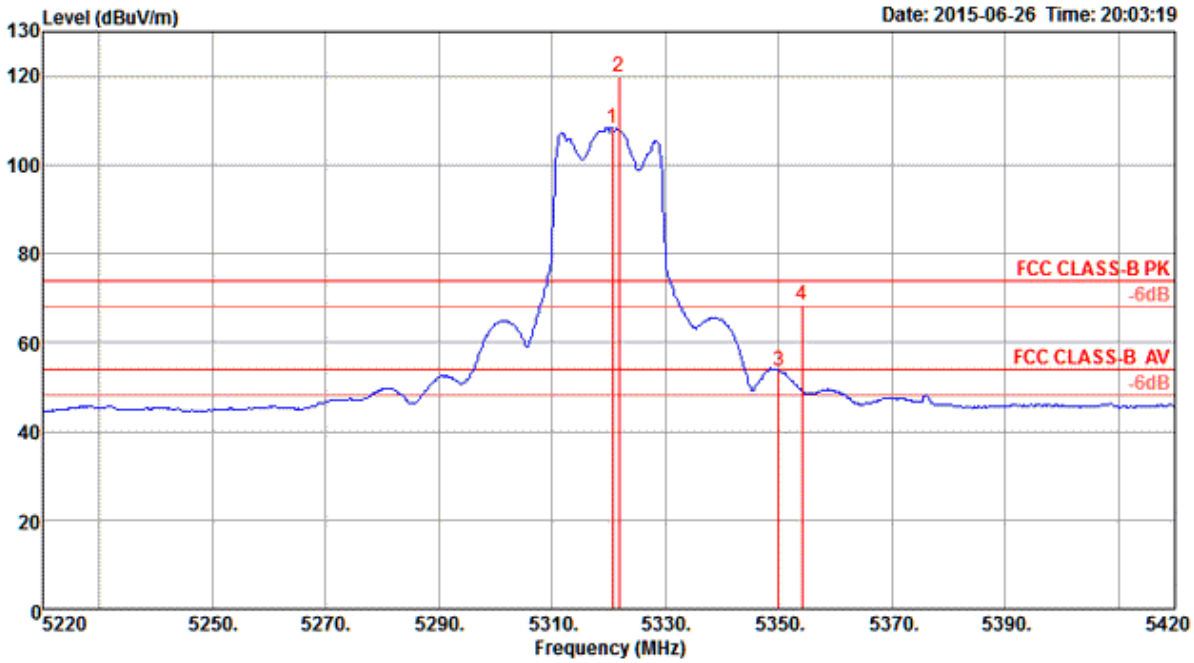
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5299.42	108.66			105.26	4.33	33.54	34.47	122	174	Average	HORIZONTAL
2	5301.74	119.75			116.35	4.33	33.54	34.47	122	174	Peak	HORIZONTAL
3	5350.00	47.20	54.00	-6.80	43.69	4.35	33.63	34.47	122	174	Average	HORIZONTAL
4	5366.21	64.00	74.00	-10.00	60.45	4.36	33.66	34.47	122	174	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

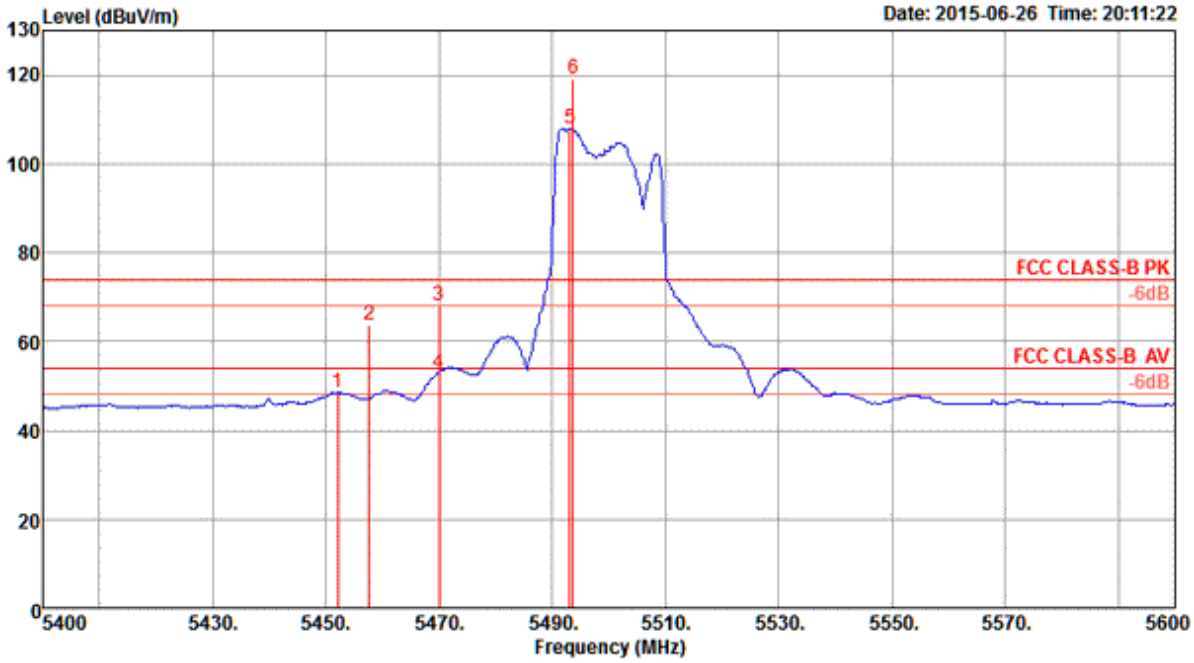


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5320.58	108.34			104.91	4.33	33.57	34.47	121	174	Average	HORIZONTAL
2	5321.74	119.70			116.27	4.33	33.57	34.47	121	174	Peak	HORIZONTAL
3	5350.00	53.51	54.00	-0.49	50.00	4.35	33.63	34.47	121	174	Average	HORIZONTAL
4	5354.05	68.50	74.00	-5.50	64.99	4.35	33.63	34.47	121	174	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140, 144 / Chain 4 + Chain 5 + Chain 6

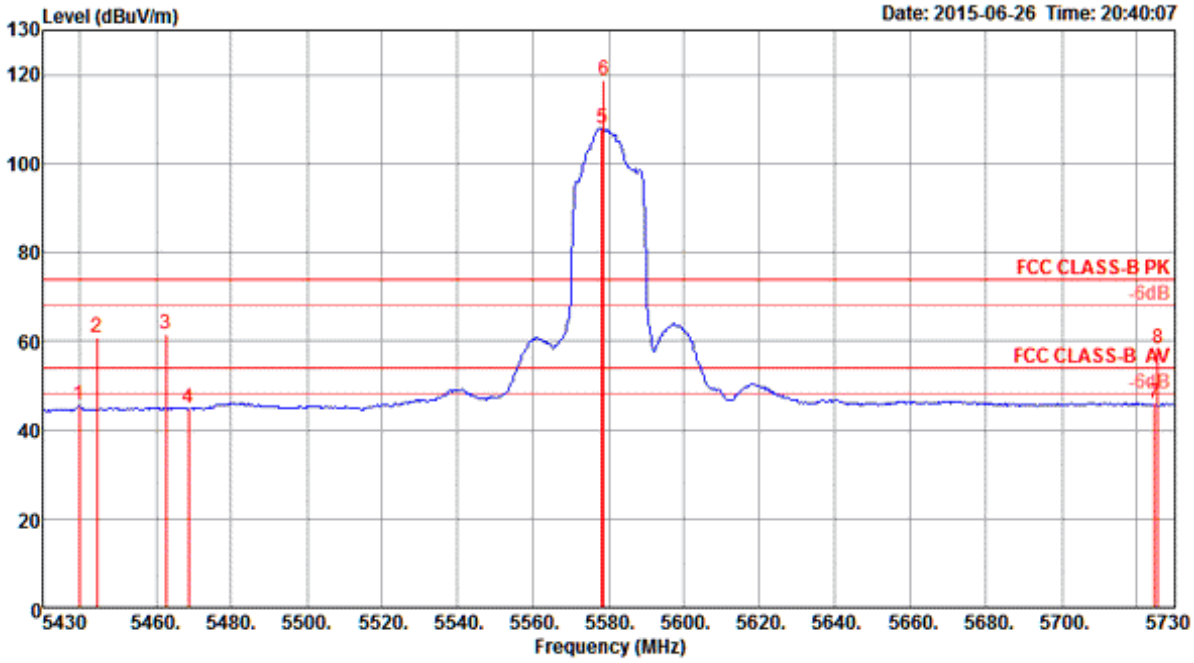
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5452.19	48.47	54.00	-5.53	44.73	4.40	33.81	34.47	107	162	Average	HORIZONTAL
2	5457.68	63.79	74.00	-10.21	60.05	4.40	33.81	34.47	107	162	Peak	HORIZONTAL
3	5470.00	68.15	74.00	-5.85	64.37	4.41	33.84	34.47	107	162	Peak	HORIZONTAL
4	5470.00	52.69	54.00	-1.31	48.91	4.41	33.84	34.47	107	162	Average	HORIZONTAL
5	5493.05	108.04			104.23	4.41	33.87	34.47	107	162	Average	HORIZONTAL
6	5493.63	119.00			115.19	4.41	33.87	34.47	107	162	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

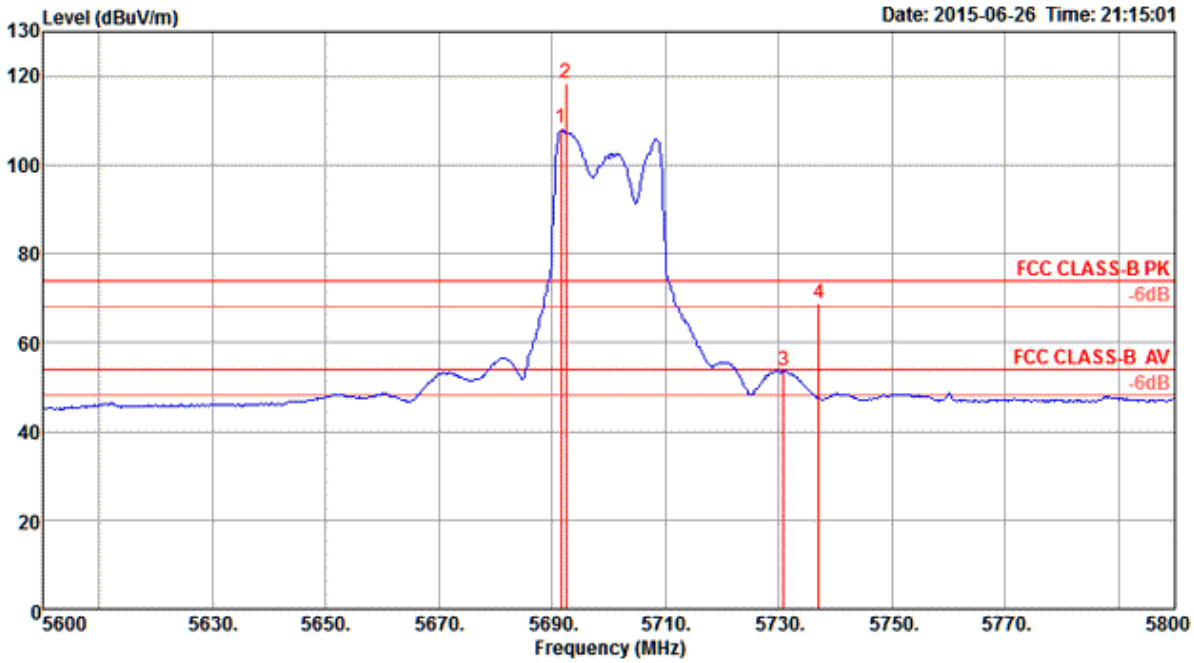
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5439.59	45.59	54.00	-8.41	41.89	4.39	33.78	34.47	231	190	Average	HORIZONTAL
2	5444.37	60.97	74.00	-13.03	57.27	4.39	33.78	34.47	231	190	Peak	HORIZONTAL
3	5462.62	61.59	74.00	-12.41	57.81	4.41	33.84	34.47	231	190	Peak	HORIZONTAL
4	5468.70	44.76	54.00	-9.24	40.98	4.41	33.84	34.47	231	190	Average	HORIZONTAL
5	5578.26	107.90			103.84	4.44	34.11	34.49	231	190	Average	HORIZONTAL
6	5578.70	118.86			114.80	4.44	34.11	34.49	231	190	Peak	HORIZONTAL
7	5724.57	45.85	54.00	-8.15	41.29	4.50	34.57	34.51	231	190	Average	HORIZONTAL
8	5725.43	58.30	74.00	-15.70	53.74	4.50	34.57	34.51	231	190	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

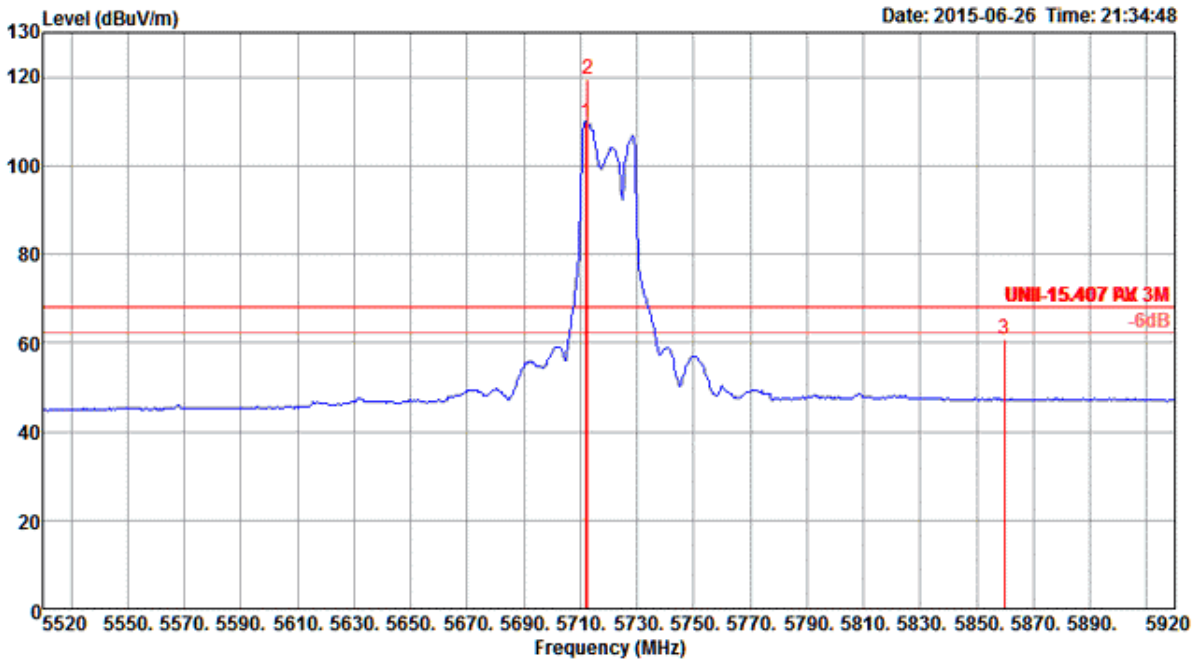
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5691.61	108.22			103.77	4.49	34.47	34.51	109	158	Average	HORIZONTAL
2	5692.47	118.29			113.84	4.49	34.47	34.51	109	158	Peak	HORIZONTAL
3	5730.79	53.73	54.00	-0.27	49.18	4.50	34.57	34.52	109	158	Average	HORIZONTAL
4	5737.16	68.83	74.00	-5.17	64.23	4.50	34.62	34.52	109	158	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

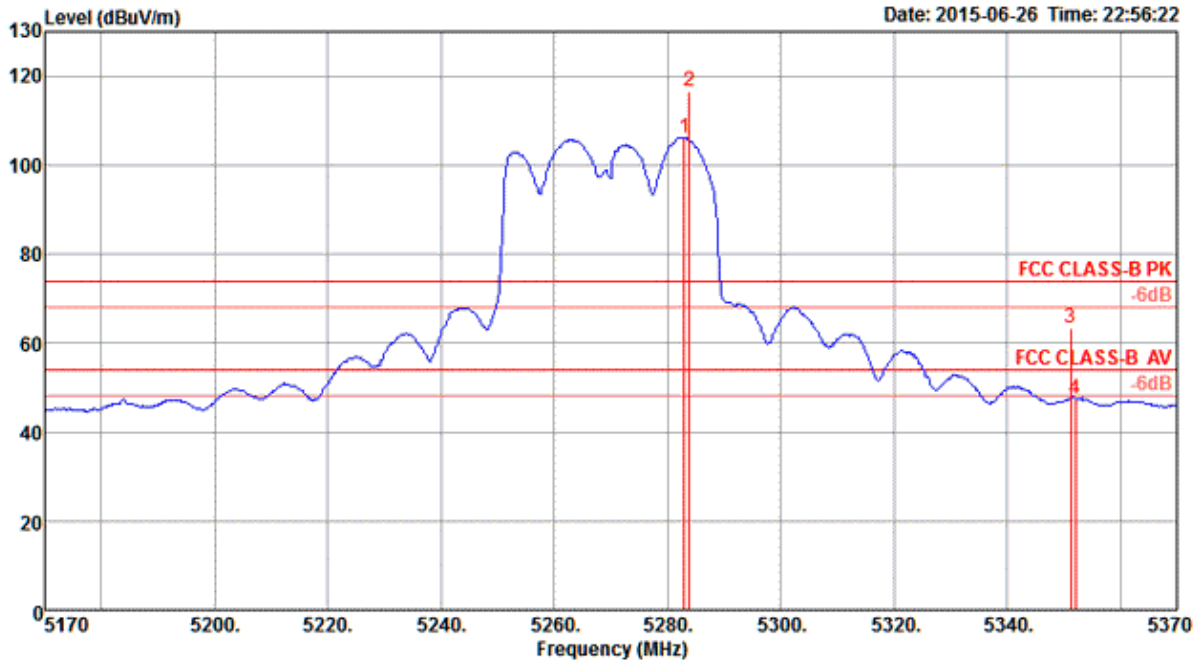


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5711.90	109.88			105.38	4.49	34.52	34.51	107	168	Average	HORIZONTAL
2	5712.47	119.57			115.07	4.49	34.52	34.51	107	168	Peak	HORIZONTAL
3	5859.84	60.86	68.20	-7.34	55.86	4.55	34.99	34.54	107	168	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 4 + Chain 5 + Chain 6

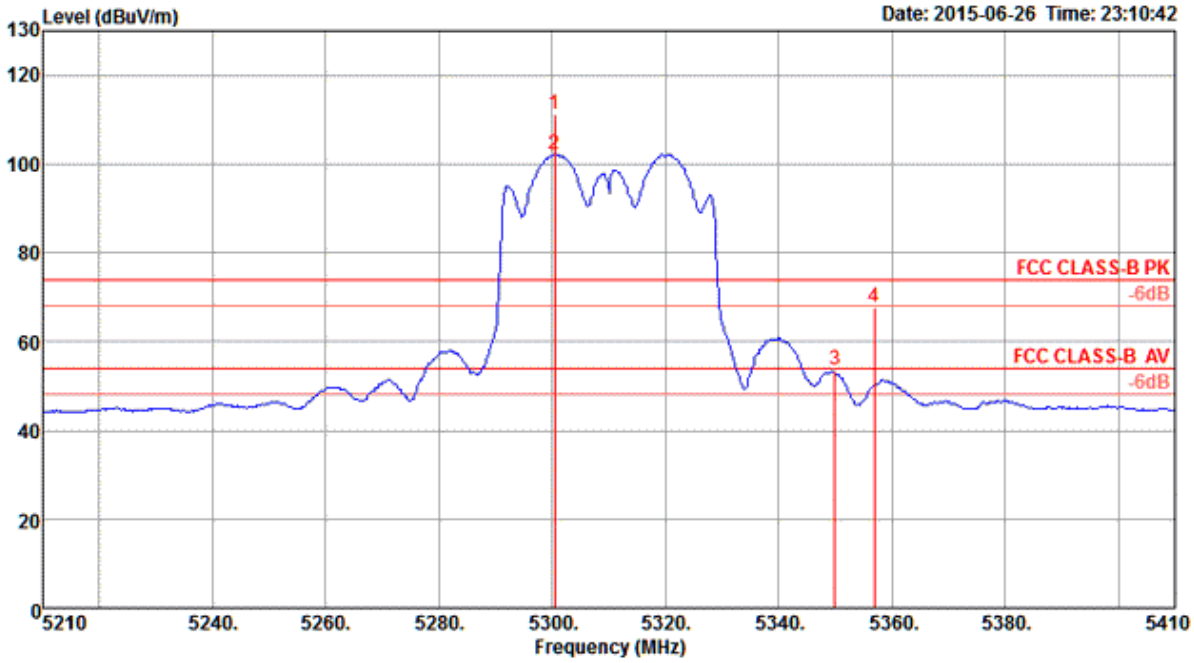
Channel 54



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5283.02	106.20			102.84	4.32	33.51	34.47	110	170	Average	HORIZONTAL
2	5283.89	116.57			113.21	4.32	33.51	34.47	110	170	Peak	HORIZONTAL
3	5351.16	63.37	74.00	-10.63	59.86	4.35	33.63	34.47	110	170	Peak	HORIZONTAL
4	5352.03	47.41	54.00	-6.59	43.90	4.35	33.63	34.47	110	170	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

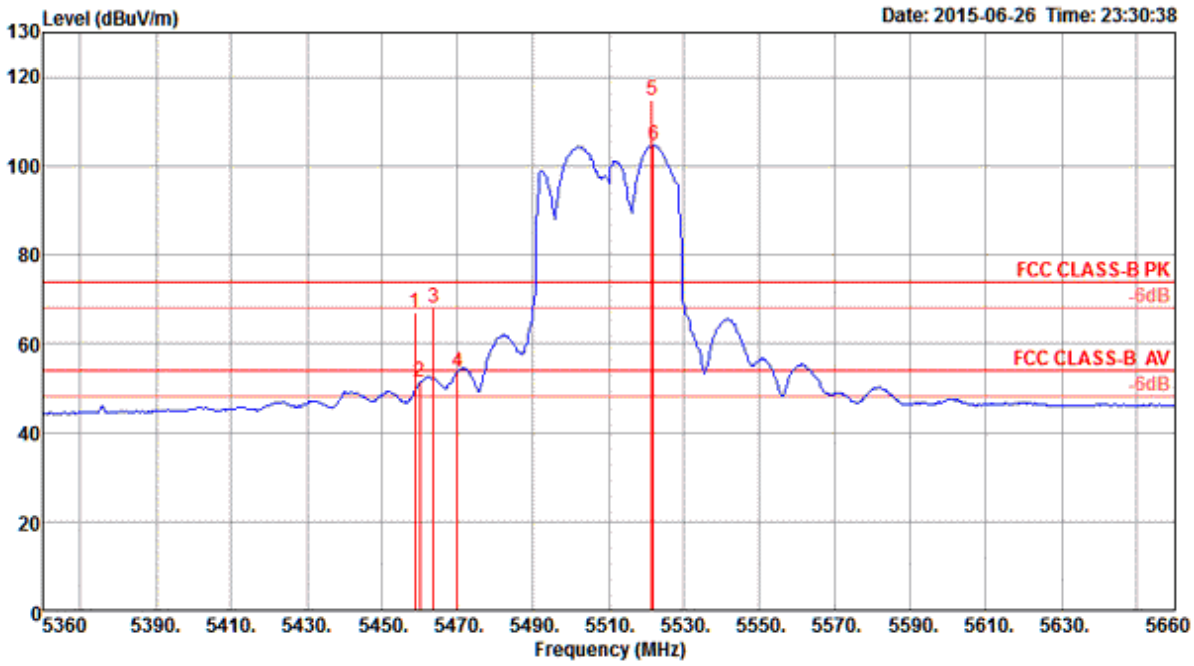


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5300.45	111.22			107.82	4.33	33.54	34.47	108	179	Peak	HORIZONTAL
2	5300.45	102.20			98.80	4.33	33.54	34.47	108	179	Average	HORIZONTAL
3	5350.00	53.61	54.00	-0.39	50.10	4.35	33.63	34.47	108	179	Average	HORIZONTAL
4	5356.95	67.64	74.00	-6.36	64.13	4.35	33.63	34.47	108	179	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134, 142 / Chain 4 + Chain 5 + Chain 6

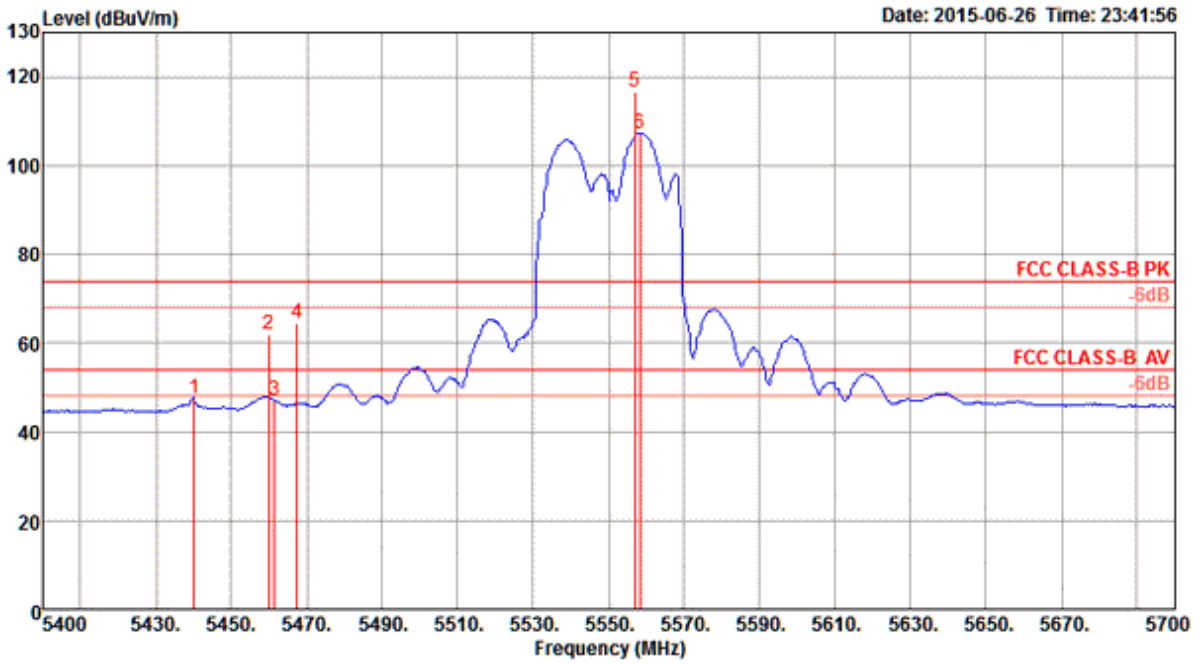
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5458.70	66.95	74.00	-7.05	63.21	4.40	33.81	34.47	114	173	Peak	HORIZONTAL
2	5460.00	51.26	54.00	-2.74	47.52	4.40	33.81	34.47	114	173	Average	HORIZONTAL
3	5463.49	68.26	74.00	-5.74	64.48	4.41	33.84	34.47	114	173	Peak	HORIZONTAL
4	5470.00	53.66	54.00	-0.34	49.88	4.41	33.84	34.47	114	173	Average	HORIZONTAL
5	5521.29	114.82			110.92	4.43	33.95	34.48	114	173	Peak	HORIZONTAL
6	5521.72	104.49			100.59	4.43	33.95	34.48	114	173	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

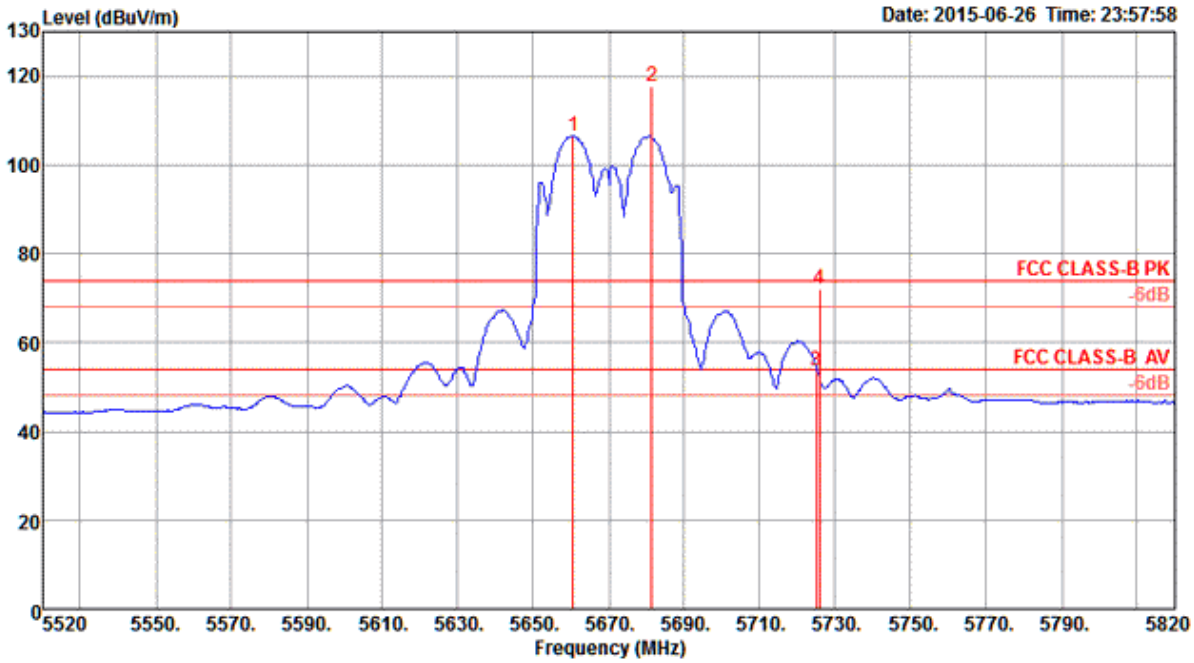
Channel 110



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5440.03	47.54	54.00	-6.46	43.84	4.39	33.78	34.47	107	205	Average	HORIZONTAL
2	5460.00	62.06	74.00	-11.94	58.32	4.40	33.81	34.47	107	205	Peak	HORIZONTAL
3	5461.32	46.99	54.00	-7.01	43.25	4.40	33.81	34.47	107	205	Average	HORIZONTAL
4	5467.40	64.60	74.00	-9.40	60.82	4.41	33.84	34.47	107	205	Peak	HORIZONTAL
5	5556.95	116.71			112.70	4.44	34.06	34.49	107	205	Peak	HORIZONTAL
6	5558.25	107.21			103.20	4.44	34.06	34.49	107	205	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

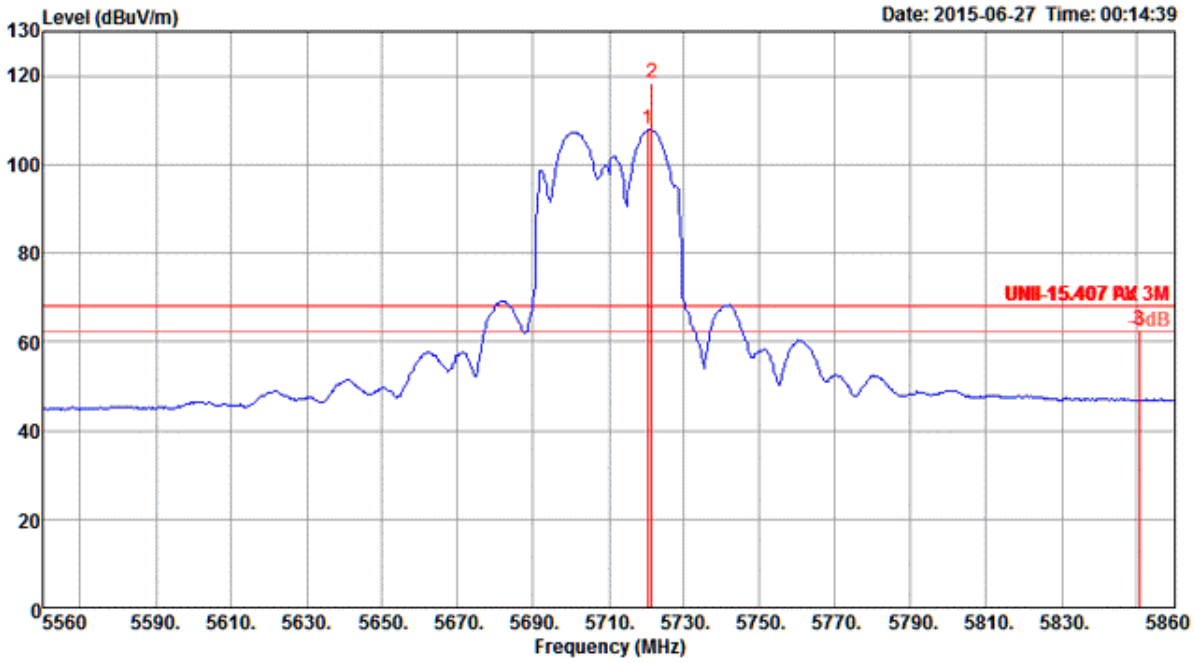
Channel 134



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5660.45	106.47			102.14	4.47	34.37	34.51	111	175	Average	HORIZONTAL
2	5681.29	117.71			113.32	4.48	34.42	34.51	111	175	Peak	HORIZONTAL
3	5725.00	53.77	54.00	-0.23	49.21	4.50	34.57	34.51	111	175	Average	HORIZONTAL
4	5725.87	72.24	74.00	-1.76	67.68	4.50	34.57	34.51	111	175	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Channel 144

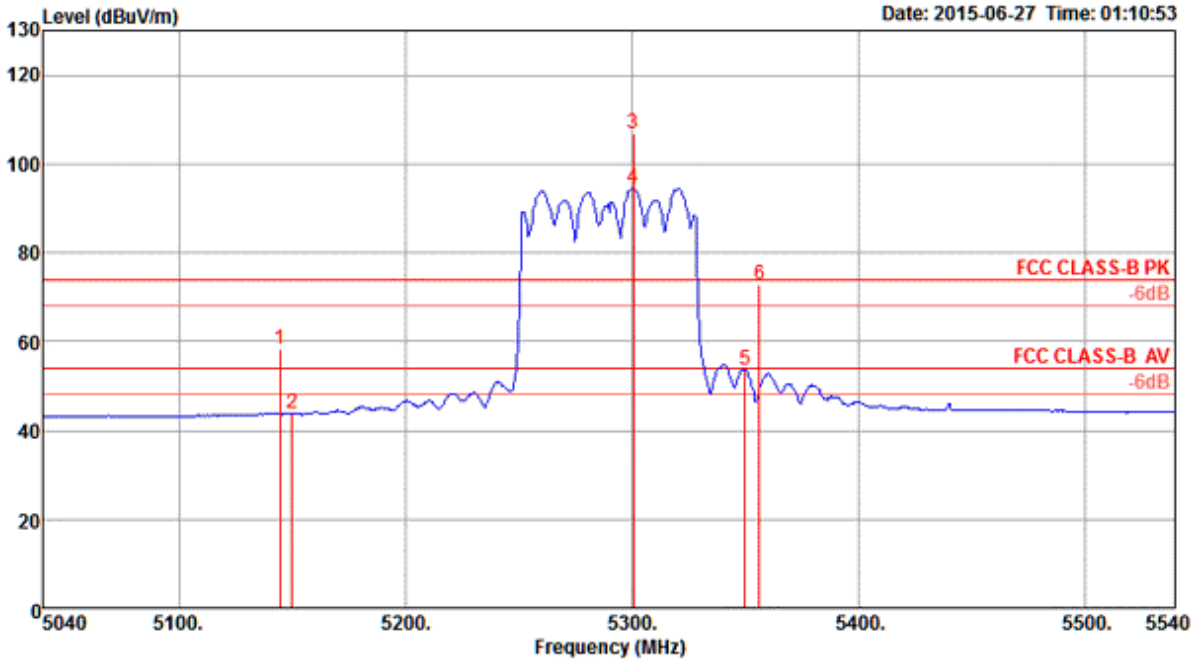


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5720.42	107.87			103.31	4.50	34.57	34.51	113	166	Average	HORIZONTAL
2	5721.29	118.43			113.87	4.50	34.57	34.51	113	166	Peak	HORIZONTAL
3	5850.43	62.74	68.20	-5.46	57.81	4.54	34.93	34.54	113	166	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122, 138 / Chain 4 + Chain 5 + Chain 6

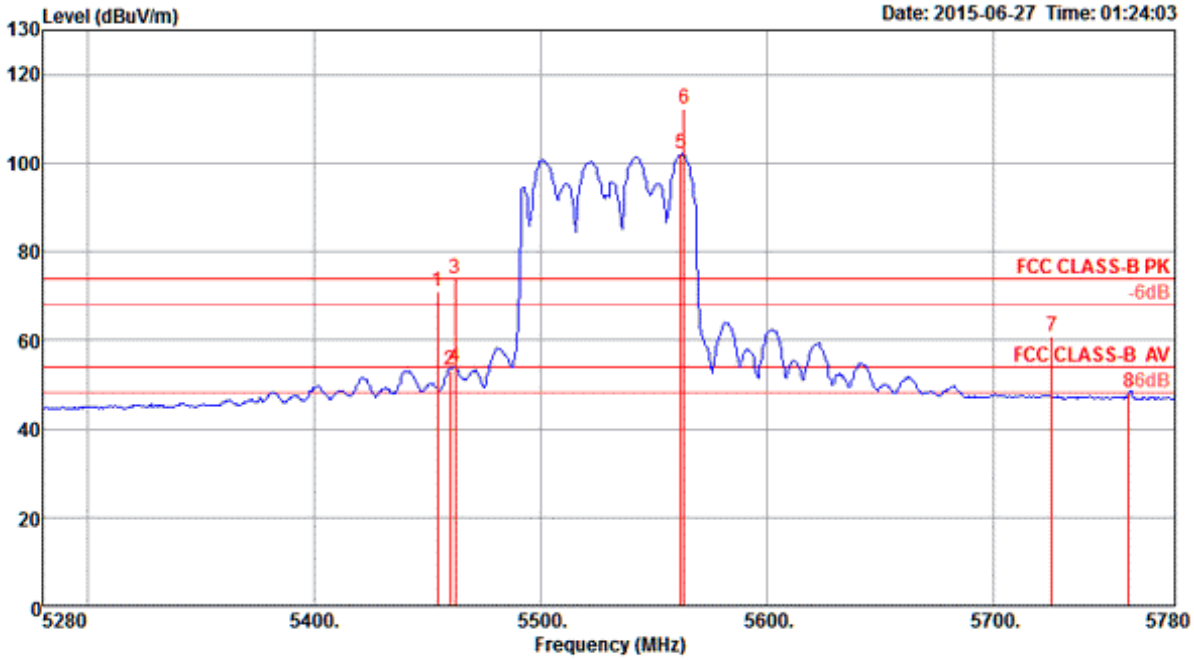
Channel 58



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5144.93	58.14	74.00	-15.86	55.08	4.26	33.27	34.47	110	176	Peak	HORIZONTAL
2	5150.00	43.80	54.00	-10.20	40.74	4.26	33.27	34.47	110	176	Average	HORIZONTAL
3	5300.85	106.83			103.43	4.33	33.54	34.47	110	176	Peak	HORIZONTAL
4	5300.85	94.52			91.12	4.33	33.54	34.47	110	176	Average	HORIZONTAL
5	5350.00	53.65	54.00	-0.35	50.14	4.35	33.63	34.47	110	176	Average	HORIZONTAL
6	5356.51	72.89	74.00	-1.11	69.38	4.35	33.63	34.47	110	176	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

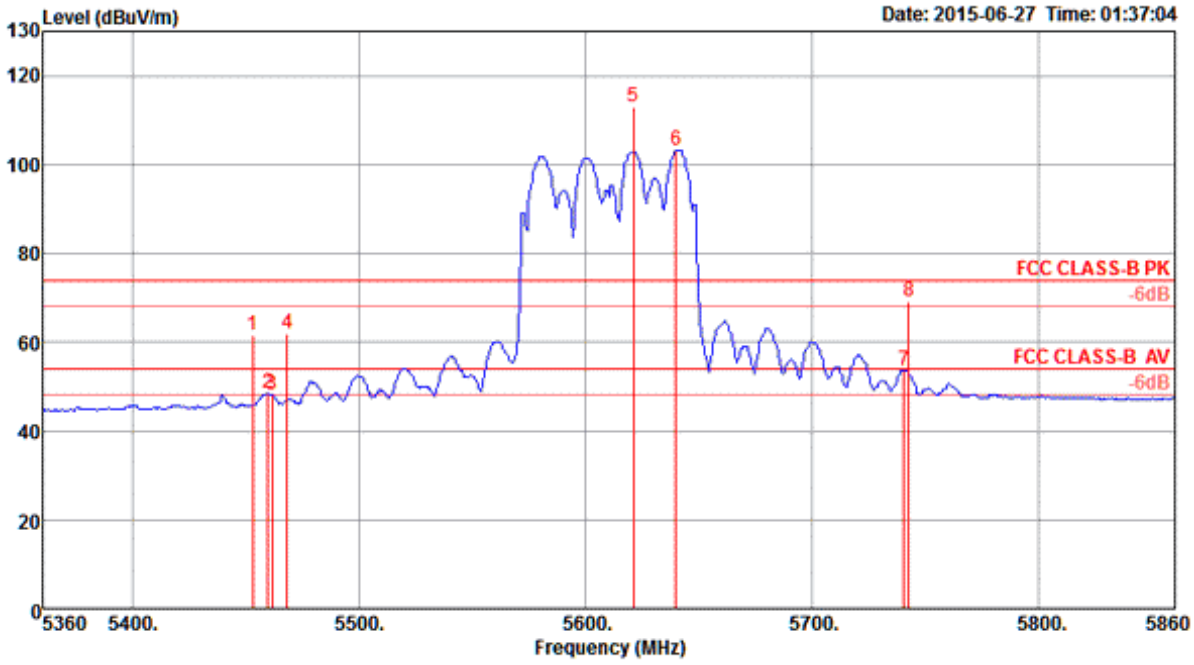
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5454.21	71.01	74.00	-2.99	67.27	4.40	33.81	34.47	111	182	Peak	HORIZONTAL
2	5460.00	53.40	54.00	-0.60	49.66	4.40	33.81	34.47	111	182	Average	HORIZONTAL
3	5462.04	73.84	74.00	-0.16	70.10	4.40	33.81	34.47	111	182	Peak	HORIZONTAL
4	5462.04	53.93	54.00	-0.07	50.19	4.40	33.81	34.47	111	182	Average	HORIZONTAL
5	5561.84	101.94			97.93	4.44	34.06	34.49	111	182	Average	HORIZONTAL
6	5563.29	112.29			108.28	4.44	34.06	34.49	111	182	Peak	HORIZONTAL
7	5725.72	61.00	74.00	-13.00	56.44	4.50	34.57	34.51	111	182	Peak	HORIZONTAL
8	5759.73	48.12	54.00	-5.88	43.46	4.51	34.68	34.53	111	182	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

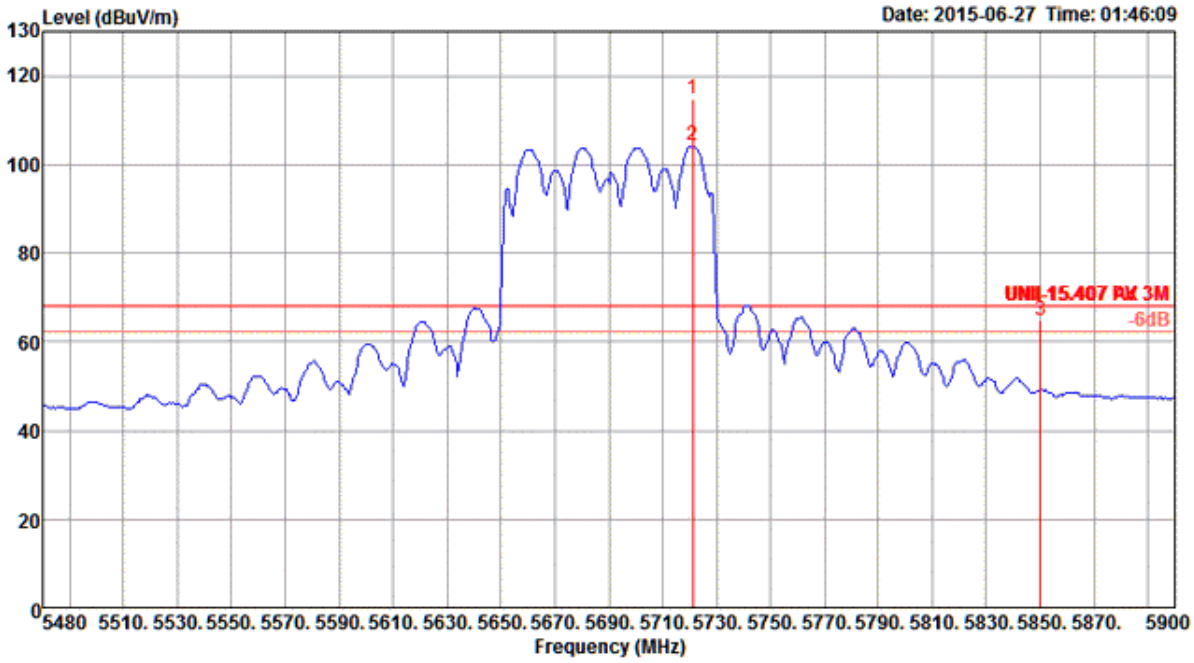
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5452.76	61.70	74.00	-12.30	57.96	4.40	33.81	34.47	112	168	Peak	HORIZONTAL
2	5459.50	48.70	54.00	-5.30	44.96	4.40	33.81	34.47	112	168	Average	HORIZONTAL
3	5461.32	48.12	54.00	-5.88	44.38	4.40	33.81	34.47	112	168	Average	HORIZONTAL
4	5467.83	61.75	74.00	-12.25	57.97	4.41	33.84	34.47	112	168	Peak	HORIZONTAL
5	5620.85	113.09			108.87	4.46	34.26	34.50	112	168	Peak	HORIZONTAL
6	5639.67	103.28			99.00	4.47	34.31	34.50	112	168	Average	HORIZONTAL
7	5740.20	53.64	54.00	-0.36	49.04	4.50	34.62	34.52	112	168	Average	HORIZONTAL
8	5742.37	69.34	74.00	-4.66	64.74	4.50	34.62	34.52	112	168	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 138



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5721.11	114.81			110.25	4.50	34.57	34.51	116	166	Peak	HORIZONTAL
2	5721.11	104.11			99.55	4.50	34.57	34.51	116	166	Average	HORIZONTAL
3	5850.00	64.96	68.20	-3.24	60.03	4.54	34.93	34.54	116	166	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

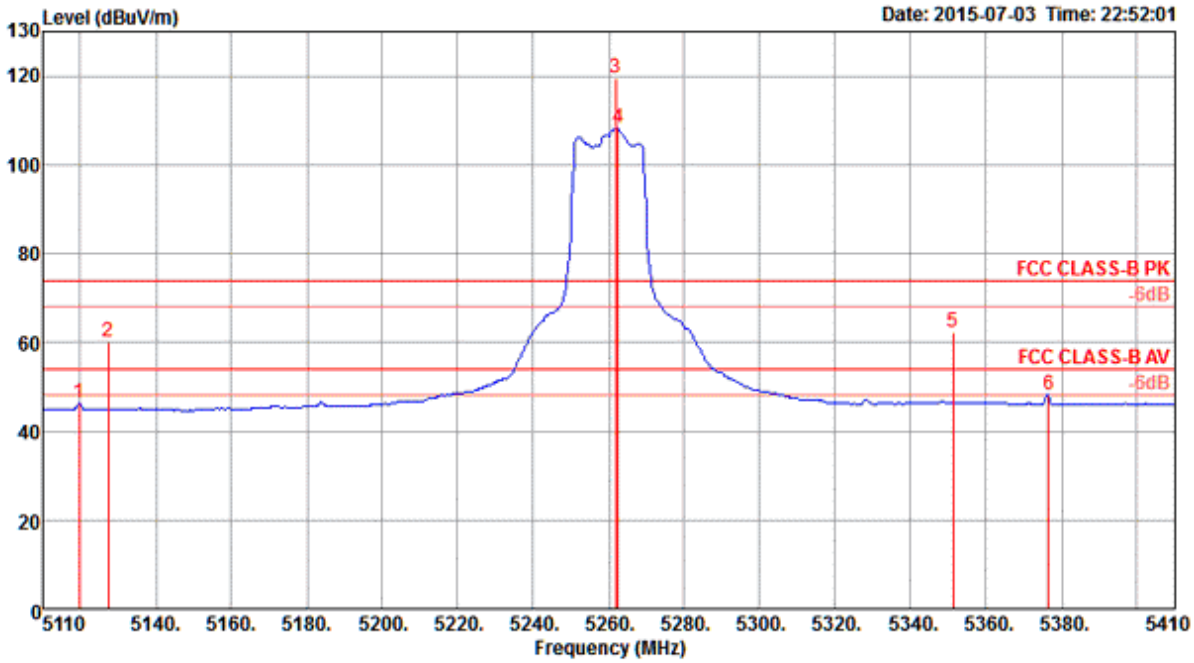
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 52, 60, 64 / Chain 4 + Chain 5 + Chain 6

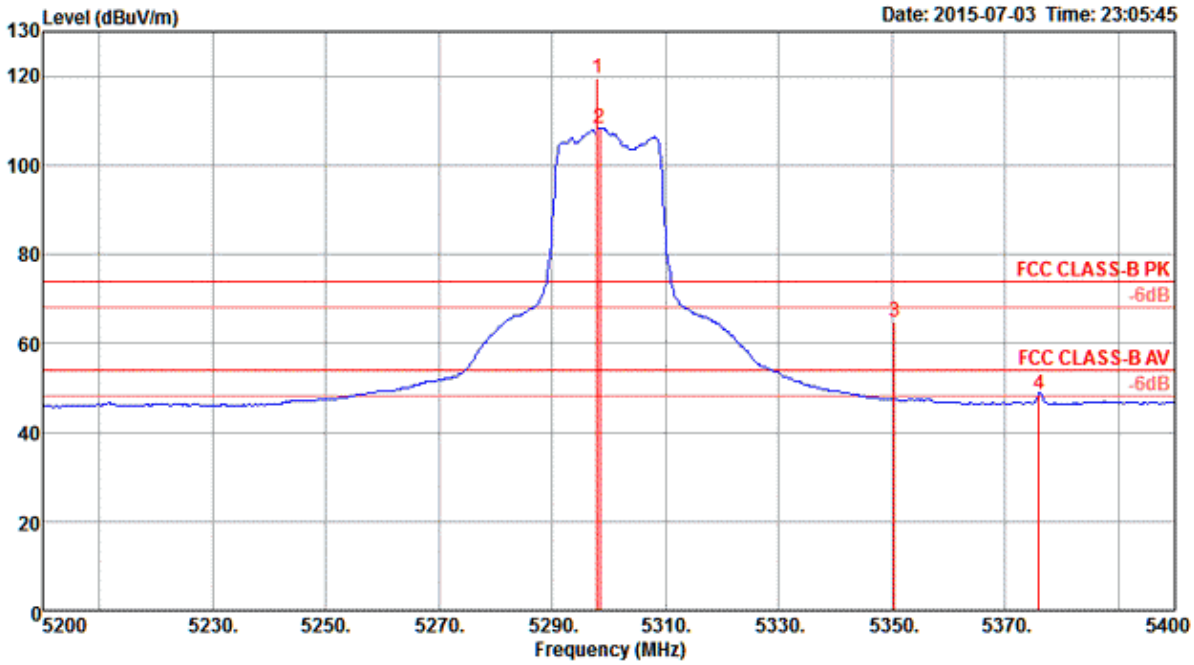
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5119.60	46.26	54.00	-7.74	43.28	4.24	33.21	34.47	120	160	Average	HORIZONTAL
2	5127.40	60.18	74.00	-13.82	57.16	4.25	33.24	34.47	120	160	Peak	HORIZONTAL
3	5261.80	119.40			116.08	4.31	33.48	34.47	120	160	Peak	HORIZONTAL
4	5262.40	108.32			105.00	4.31	33.48	34.47	120	160	Average	HORIZONTAL
5	5351.20	62.37	74.00	-11.63	58.86	4.35	33.63	34.47	120	160	Peak	HORIZONTAL
6	5376.40	48.29	54.00	-5.71	44.74	4.36	33.66	34.47	120	160	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

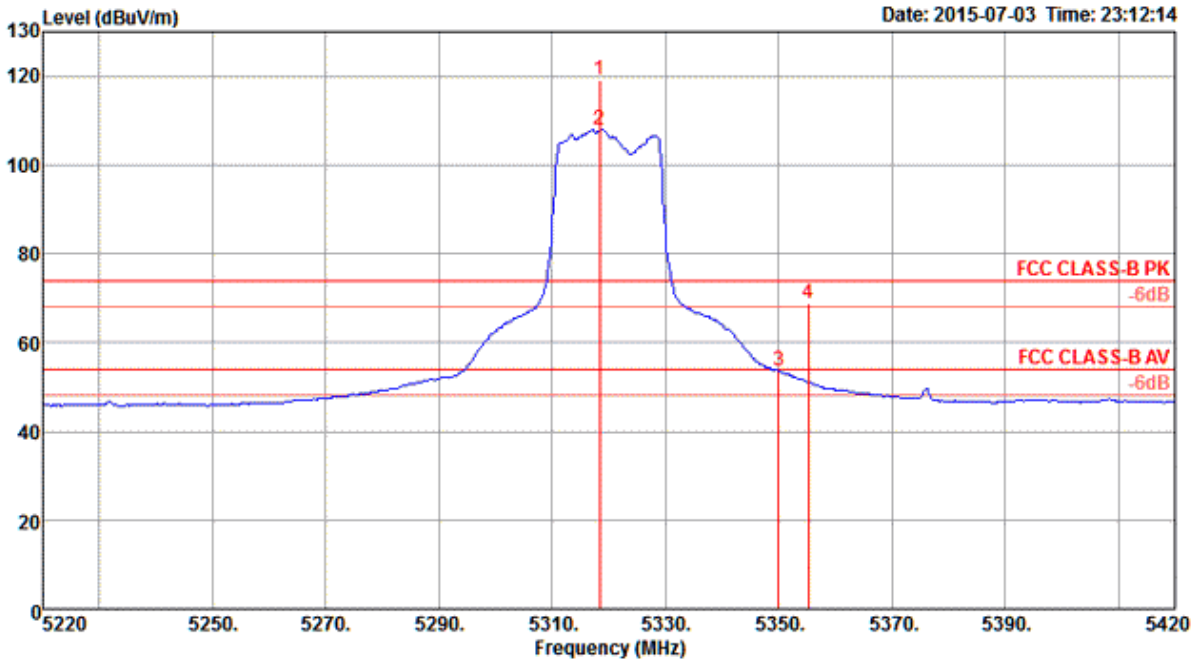
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5298.00	119.59			116.19	4.33	33.54	34.47	117	169	Peak	HORIZONTAL
2	5298.40	108.39			104.99	4.33	33.54	34.47	117	169	Average	HORIZONTAL
3	5350.40	64.91	74.00	-9.09	61.40	4.35	33.63	34.47	117	169	Peak	HORIZONTAL
4	5376.00	48.69	54.00	-5.31	45.14	4.36	33.66	34.47	117	169	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

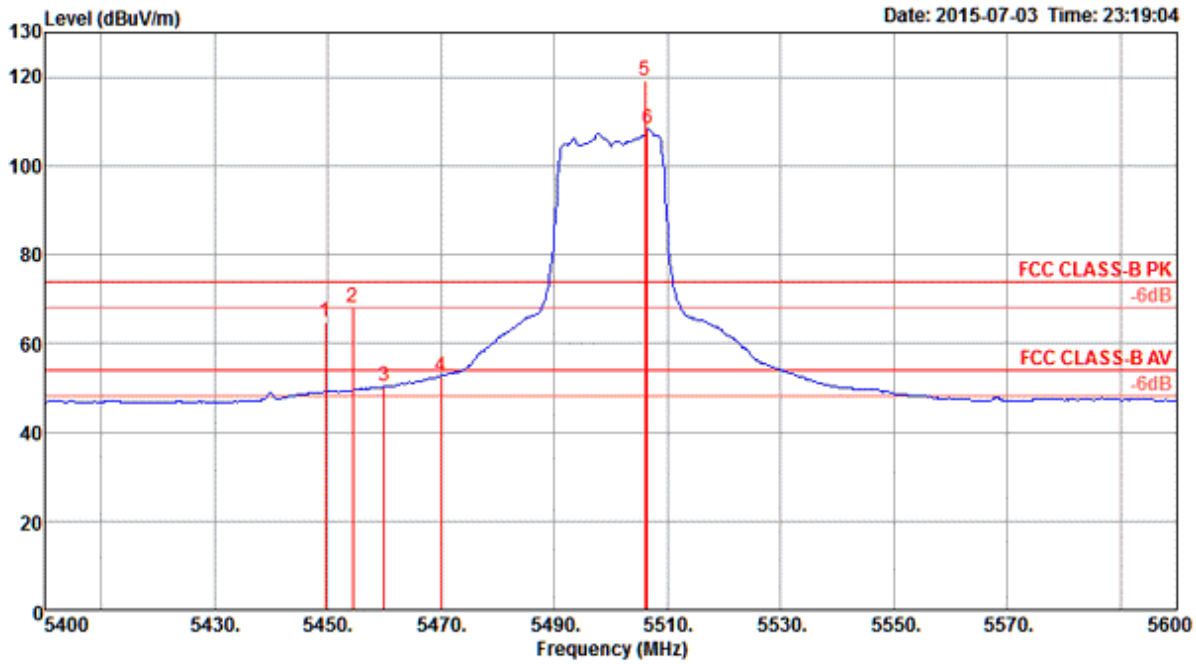


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5318.40	118.97			115.54	4.33	33.57	34.47	112	174	Peak	HORIZONTAL
2	5318.40	107.92			104.49	4.33	33.57	34.47	112	174	Average	HORIZONTAL
3	5350.00	53.55	74.00	-20.45	50.04	4.35	33.63	34.47	112	174	Average	HORIZONTAL
4	5355.20	68.93	74.00	-5.07	65.42	4.35	33.63	34.47	112	174	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 100, 116, 140, 144 / Chain 4 + Chain 5 + Chain 6

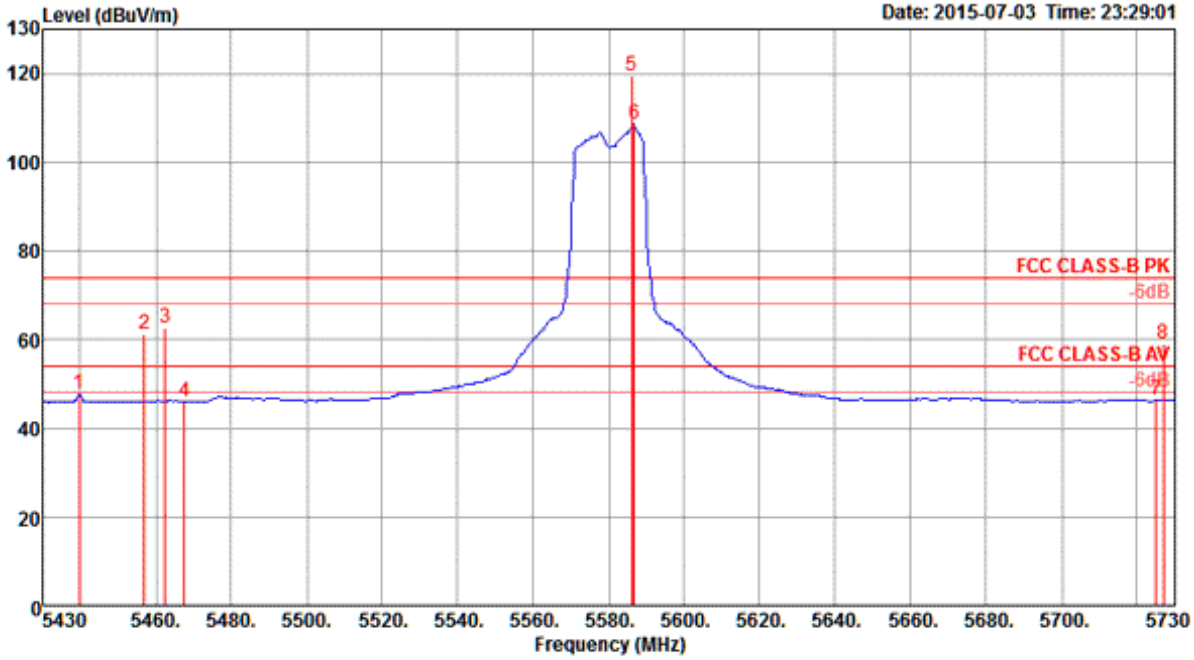
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5449.60	64.84	74.00	-9.16	61.10	4.40	33.81	34.47	244	189	Peak	HORIZONTAL
2	5454.40	68.08	74.00	-5.92	64.34	4.40	33.81	34.47	244	189	Peak	HORIZONTAL
3	5460.00	50.18	54.00	-3.82	46.44	4.40	33.81	34.47	244	189	Average	HORIZONTAL
4	5470.00	52.69	54.00	-1.31	48.91	4.41	33.84	34.47	244	189	Average	HORIZONTAL
5	5506.00	119.07			115.23	4.42	33.90	34.48	244	189	Peak	HORIZONTAL
6	5506.40	108.26			104.42	4.42	33.90	34.48	244	189	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

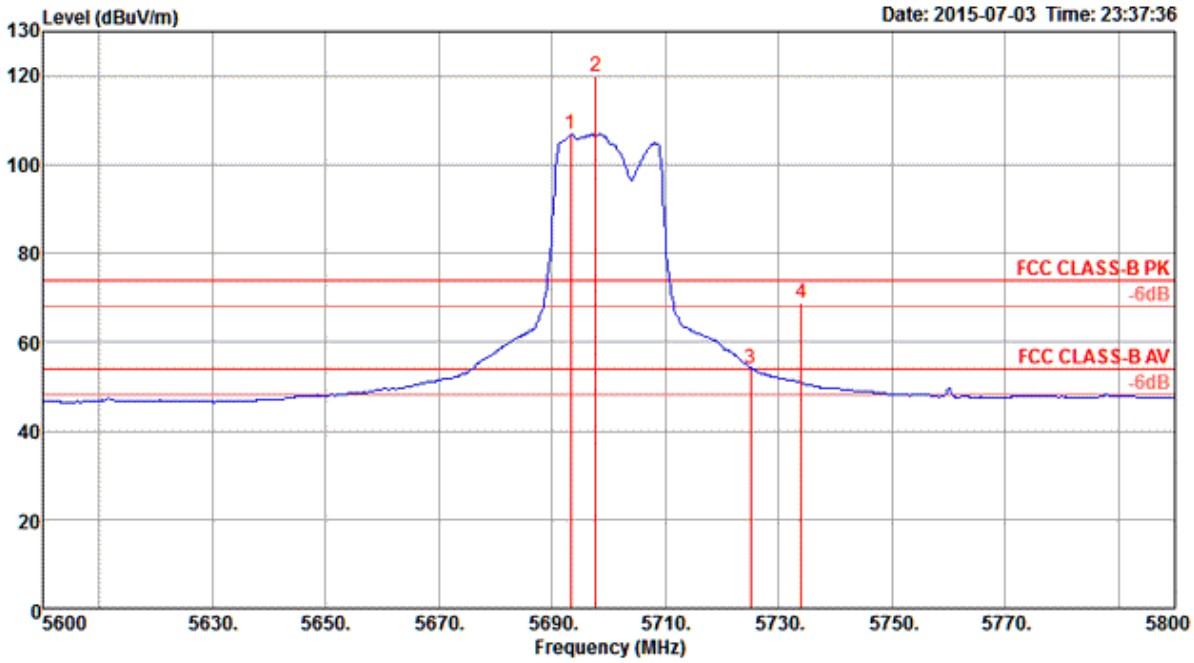
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5439.60	47.76	54.00	-6.24	44.06	4.39	33.78	34.47	252	185	Average	HORIZONTAL
2	5457.00	61.09	74.00	-12.91	57.35	4.40	33.81	34.47	252	185	Peak	HORIZONTAL
3	5462.40	62.66	74.00	-11.34	58.92	4.40	33.81	34.47	252	185	Peak	HORIZONTAL
4	5467.60	46.15	54.00	-7.85	42.37	4.41	33.84	34.47	252	185	Average	HORIZONTAL
5	5586.00	119.53			115.41	4.45	34.16	34.49	252	185	Peak	HORIZONTAL
6	5586.60	108.48			104.36	4.45	34.16	34.49	252	185	Average	HORIZONTAL
7	5725.00	46.33	54.00	-7.67	41.77	4.50	34.57	34.51	252	185	Average	HORIZONTAL
8	5727.00	59.16	74.00	-14.84	54.60	4.50	34.57	34.51	252	185	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

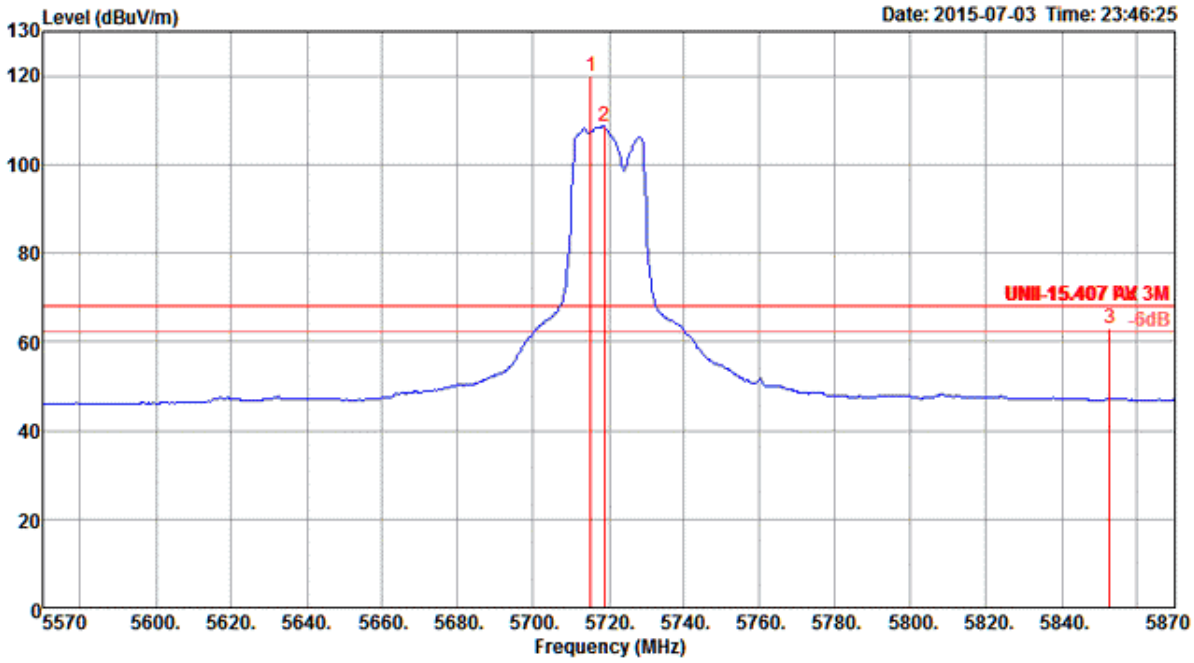
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5693.20	106.93			102.48	4.49	34.47	34.51	112	174	Average	HORIZONTAL
2	5697.60	120.01			115.56	4.49	34.47	34.51	112	174	Peak	HORIZONTAL
3	5725.00	53.84	54.00	-0.16	49.28	4.50	34.57	34.51	112	174	Average	HORIZONTAL
4	5734.00	68.76	74.00	-5.24	64.21	4.50	34.57	34.52	112	174	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

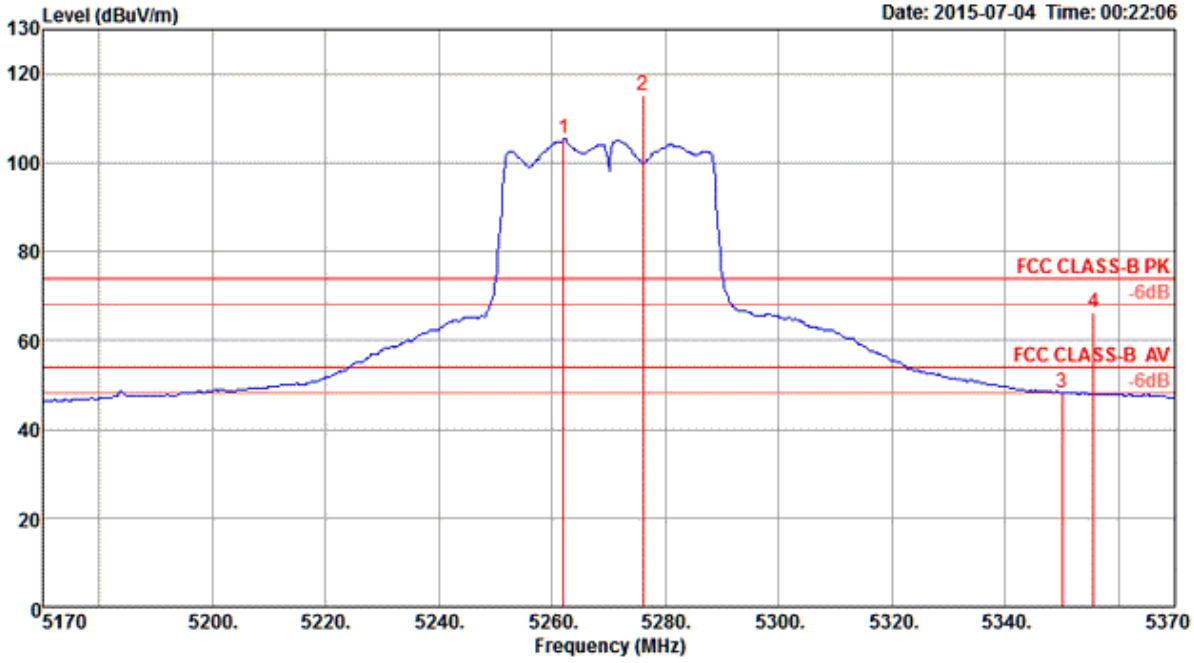


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5715.20	119.71			115.21	4.49	34.52	34.51	112	179	Peak	HORIZONTAL
2	5718.80	108.49			103.93	4.50	34.57	34.51	112	179	Average	HORIZONTAL
3	5852.60	63.18	68.20	-5.02	58.25	4.54	34.93	34.54	112	179	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 54, 62 / Chain 4 + Chain 5 + Chain 6

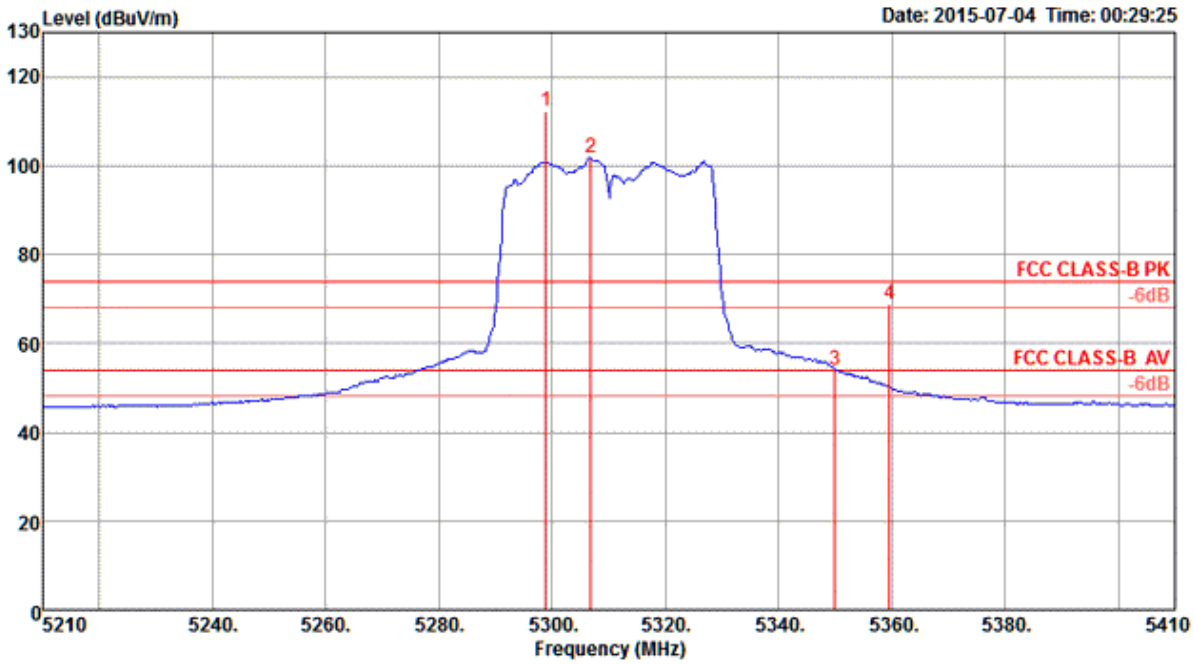
Channel 54



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5262.00	105.29			101.97	4.31	33.48	34.47	116	178	Average	HORIZONTAL
2	5276.00	115.32			111.96	4.32	33.51	34.47	116	178	Peak	HORIZONTAL
3	5350.00	48.29	54.00	-5.71	44.78	4.35	33.63	34.47	116	178	Average	HORIZONTAL
4	5355.60	66.33	74.00	-7.67	62.82	4.35	33.63	34.47	116	178	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

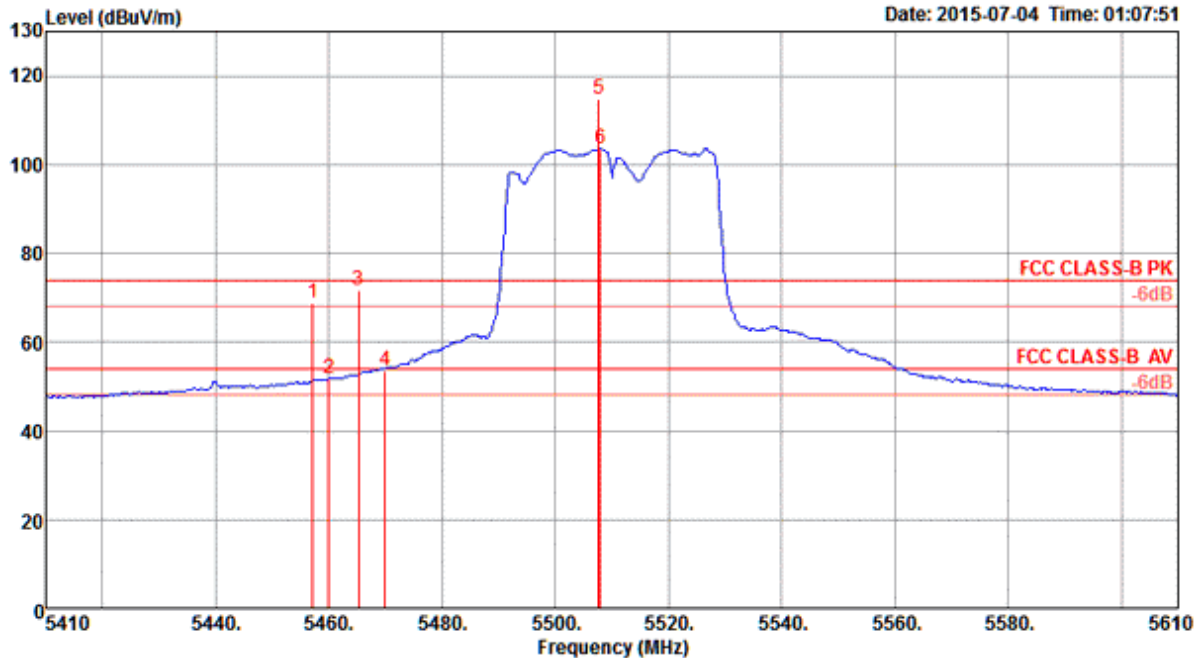


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5298.80	112.30			108.90	4.33	33.54	34.47	117	188	Peak	HORIZONTAL
2	5306.80	101.63			98.23	4.33	33.54	34.47	117	188	Average	HORIZONTAL
3	5350.00	53.93	54.00	-0.07	50.42	4.35	33.63	34.47	117	188	Average	HORIZONTAL
4	5359.60	68.76	74.00	-5.24	65.25	4.35	33.63	34.47	117	188	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 102, 110, 134, 142 / Chain 4 + Chain 5 + Chain 6

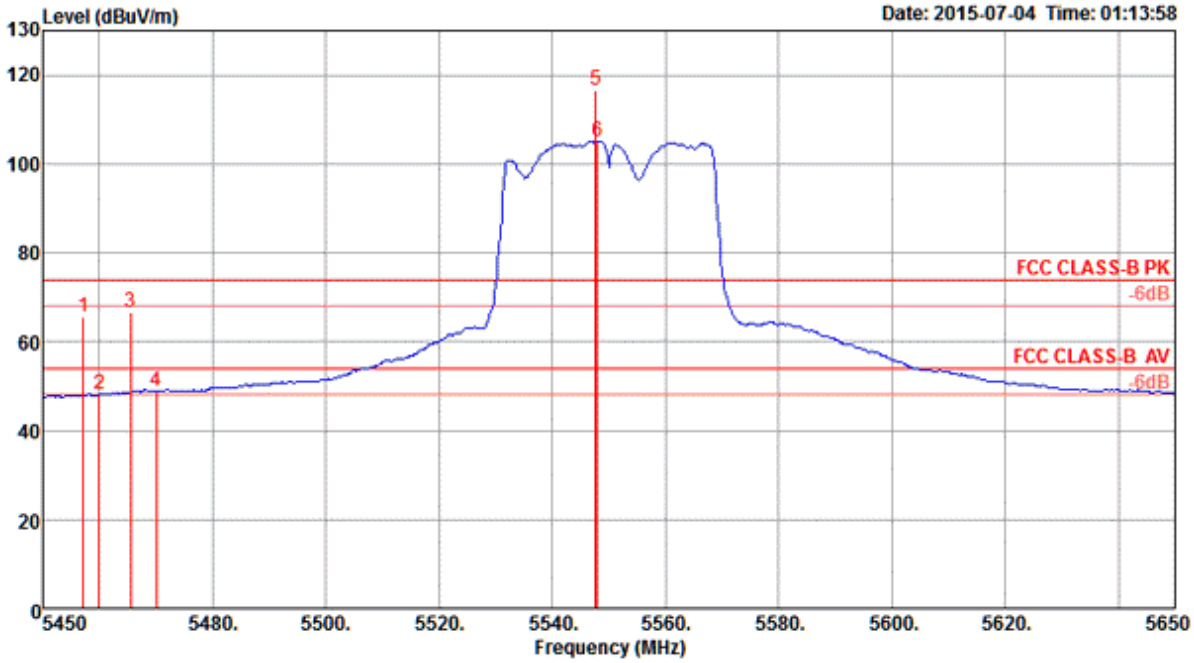
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5457.20	68.87	74.00	-5.13	65.13	4.40	33.81	34.47	111	181	Peak	HORIZONTAL
2	5460.00	51.72	54.00	-2.28	47.98	4.40	33.81	34.47	111	181	Average	HORIZONTAL
3	5465.20	71.83	74.00	-2.17	68.05	4.41	33.84	34.47	111	181	Peak	HORIZONTAL
4	5470.00	53.73	54.00	-0.27	49.95	4.41	33.84	34.47	111	181	Average	HORIZONTAL
5	5507.60	114.90			111.06	4.42	33.90	34.48	111	181	Peak	HORIZONTAL
6	5508.00	103.49			99.65	4.42	33.90	34.48	111	181	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

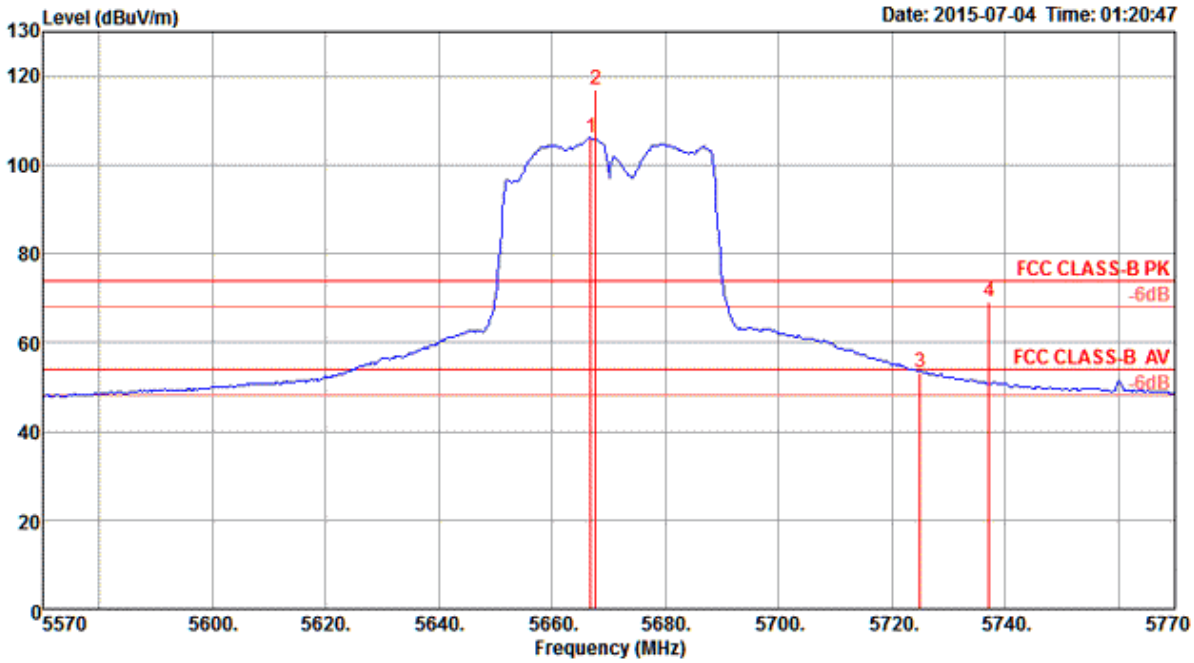
Channel 110



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5457.20	65.67	74.00	-8.33	61.93	4.40	33.81	34.47	111	173	Peak	HORIZONTAL
2	5460.00	48.00	54.00	-6.00	44.26	4.40	33.81	34.47	111	173	Average	HORIZONTAL
3	5465.60	66.45	74.00	-7.55	62.67	4.41	33.84	34.47	111	173	Peak	HORIZONTAL
4	5470.00	48.93	54.00	-5.07	45.15	4.41	33.84	34.47	111	173	Average	HORIZONTAL
5	5547.60	116.48			112.46	4.44	34.06	34.48	111	173	Peak	HORIZONTAL
6	5548.00	105.07			101.05	4.44	34.06	34.48	111	173	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

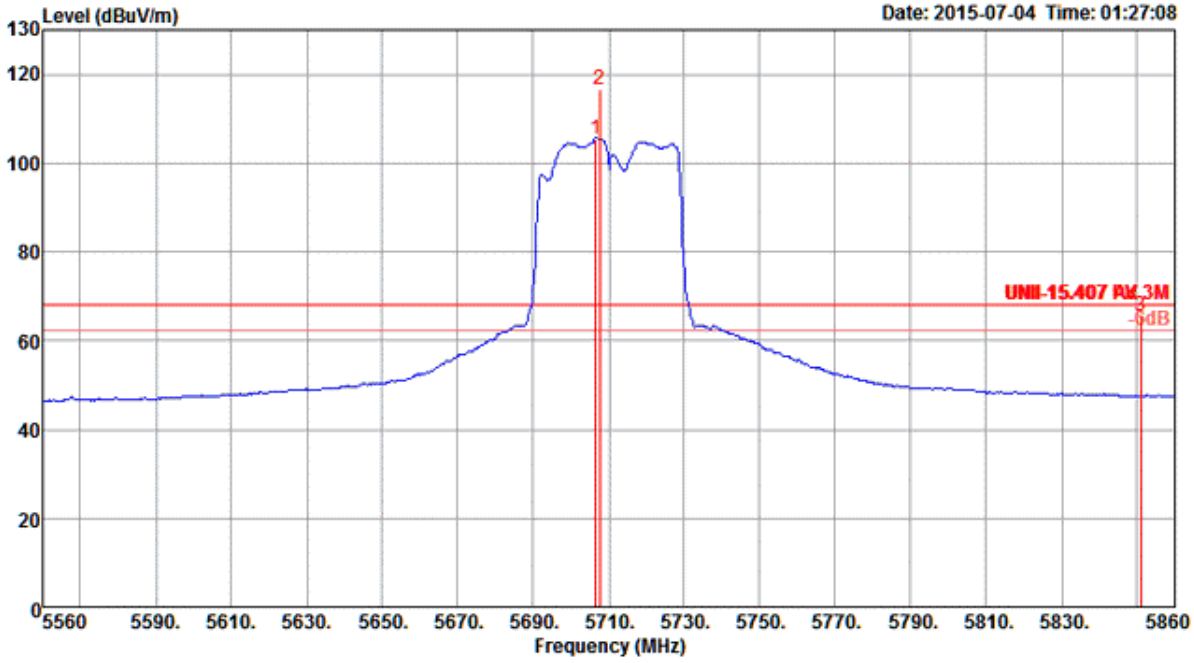
Channel 134



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5666.80	106.02			101.63	4.48	34.42	34.51	116	167	Average	HORIZONTAL
2	5667.60	116.96			112.57	4.48	34.42	34.51	116	167	Peak	HORIZONTAL
3	5725.00	53.23	54.00	-0.77	48.67	4.50	34.57	34.51	116	167	Average	HORIZONTAL
4	5737.20	68.99	74.00	-5.01	64.39	4.50	34.62	34.52	116	167	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Channel 142

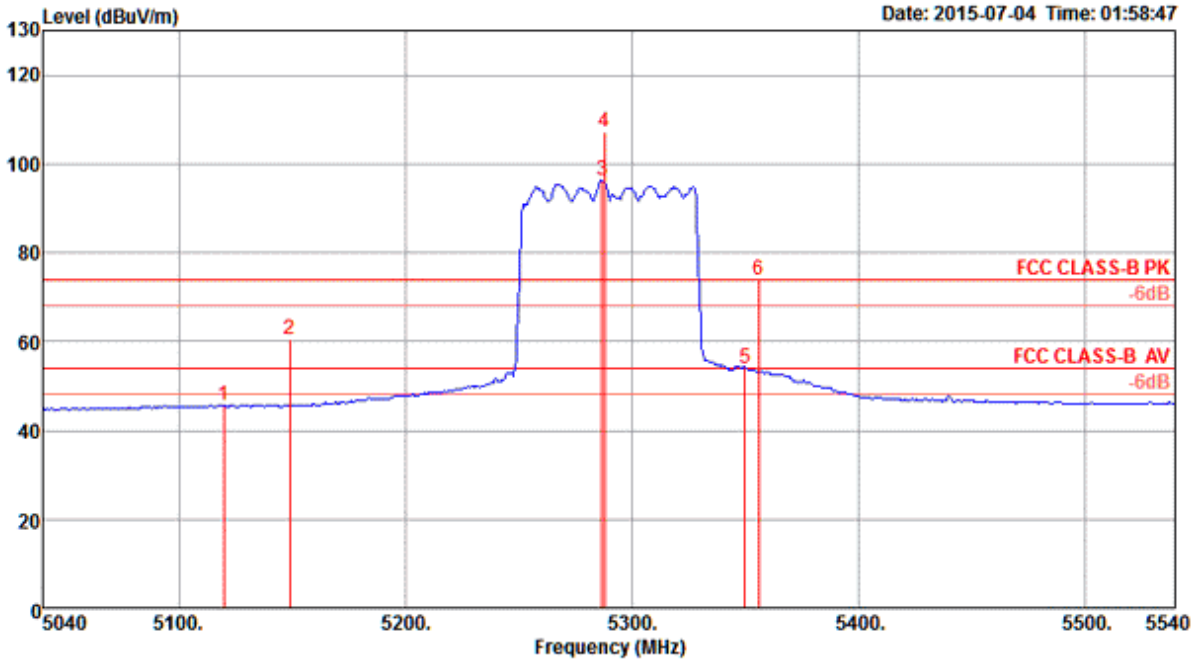


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5706.40	105.56			101.06	4.49	34.52	34.51	117	176	Average	HORIZONTAL
2	5707.60	116.73			112.23	4.49	34.52	34.51	117	176	Peak	HORIZONTAL
3	5851.00	65.66	68.20	-2.54	60.73	4.54	34.93	34.54	117	176	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 58, 106, 122, 138 / Chain 4 + Chain 5 + Chain 6

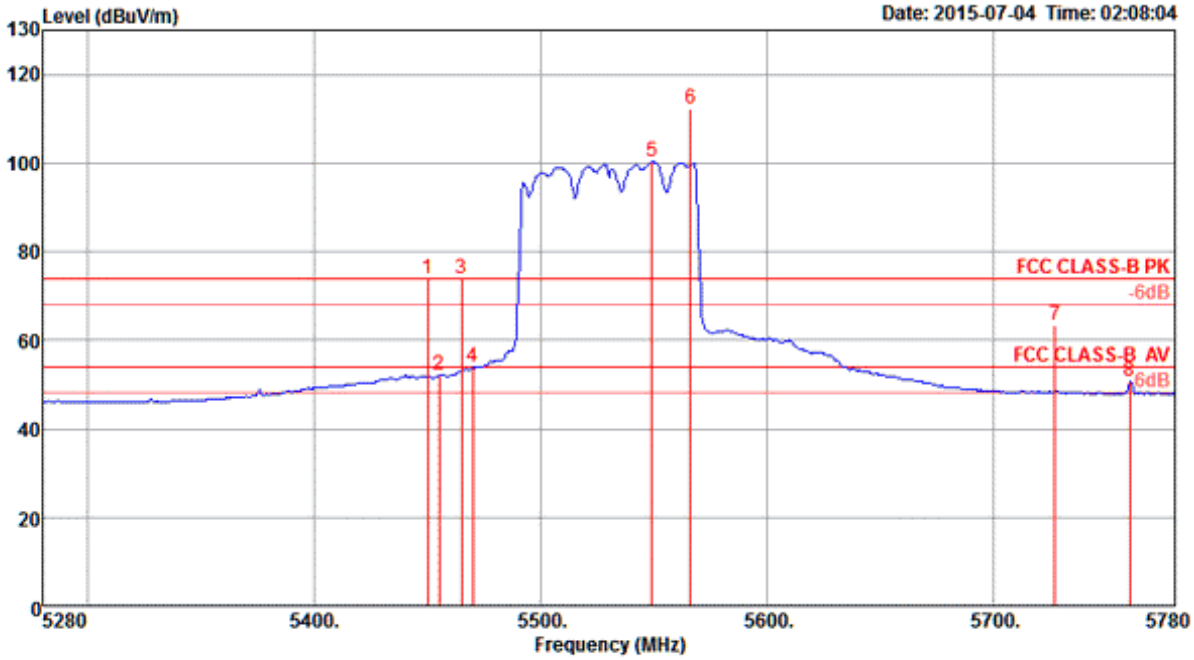
Channel 58



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5120.00	45.74	54.00	-8.26	42.76	4.24	33.21	34.47	122	176	Average	HORIZONTAL
2	5149.00	60.54	74.00	-13.46	57.48	4.26	33.27	34.47	122	176	Peak	HORIZONTAL
3	5287.00	96.30			92.94	4.32	33.51	34.47	122	176	Average	HORIZONTAL
4	5288.00	107.17			103.81	4.32	33.51	34.47	122	176	Peak	HORIZONTAL
5	5350.00	53.97	54.00	-0.03	50.46	4.35	33.63	34.47	122	176	Average	HORIZONTAL
6	5356.00	73.87	74.00	-0.13	70.36	4.35	33.63	34.47	122	176	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

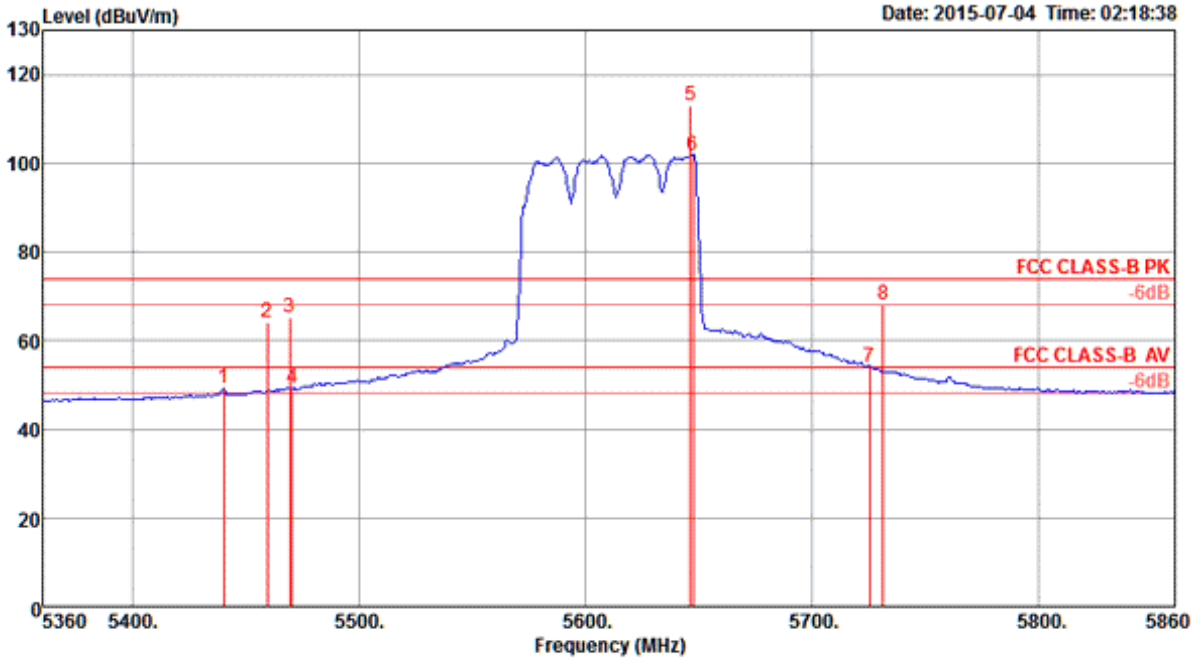
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5450.00	73.78	74.00	-0.22	70.04	4.40	33.81	34.47	114	173	Peak	HORIZONTAL
2	5455.00	52.05	54.00	-1.95	48.31	4.40	33.81	34.47	114	173	Average	HORIZONTAL
3	5465.00	73.92	74.00	-0.08	70.14	4.41	33.84	34.47	114	173	Peak	HORIZONTAL
4	5470.00	53.97	54.00	-0.03	50.19	4.41	33.84	34.47	114	173	Average	HORIZONTAL
5	5549.00	100.22			96.20	4.44	34.06	34.48	114	173	Average	HORIZONTAL
6	5566.00	112.13			108.07	4.44	34.11	34.49	114	173	Peak	HORIZONTAL
7	5727.00	63.43	74.00	-10.57	58.87	4.50	34.57	34.51	114	173	Peak	HORIZONTAL
8	5760.00	50.54	54.00	-3.46	45.88	4.51	34.68	34.53	114	173	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

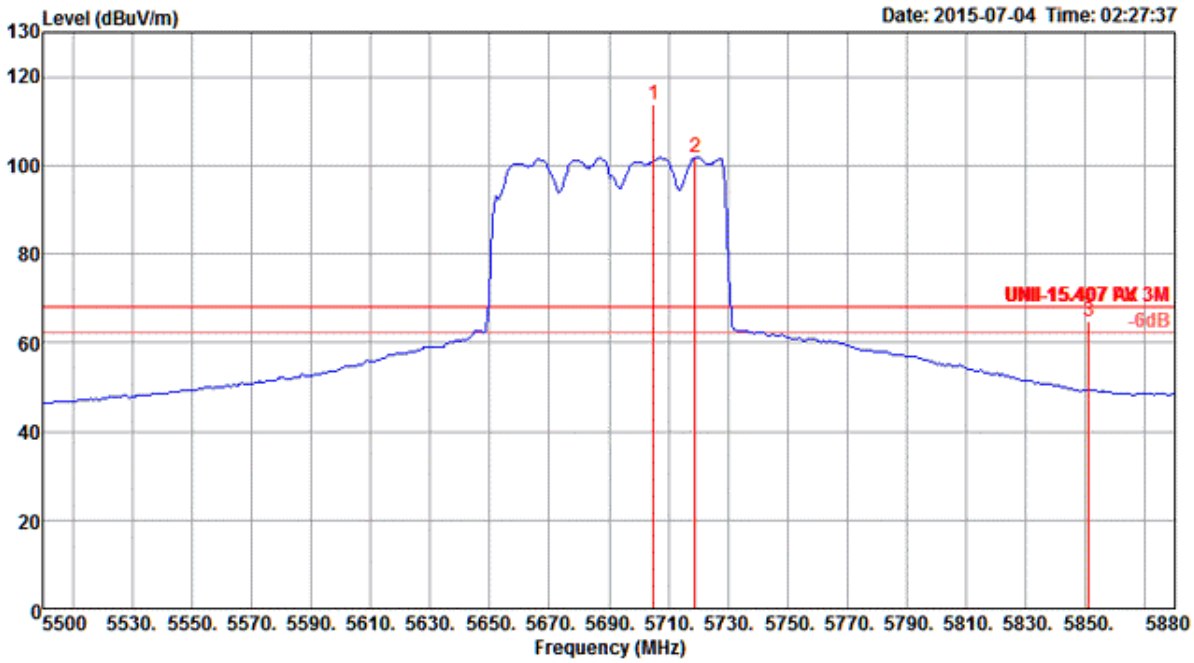
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5440.00	49.16	54.00	-4.84	45.46	4.39	33.78	34.47	117	178	Average	HORIZONTAL
2	5459.00	64.15	74.00	-9.85	60.41	4.40	33.81	34.47	117	178	Peak	HORIZONTAL
3	5469.00	65.28	74.00	-8.72	61.50	4.41	33.84	34.47	117	178	Peak	HORIZONTAL
4	5470.00	49.20	54.00	-4.80	45.42	4.41	33.84	34.47	117	178	Average	HORIZONTAL
5	5646.00	112.98			108.70	4.47	34.31	34.50	117	178	Peak	HORIZONTAL
6	5647.00	101.93			97.65	4.47	34.31	34.50	117	178	Average	HORIZONTAL
7	5725.00	53.91	54.00	-0.09	49.35	4.50	34.57	34.51	117	178	Average	HORIZONTAL
8	5731.00	68.24	74.00	-5.76	63.69	4.50	34.57	34.52	117	178	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 138



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5705.00	113.65			109.15	4.49	34.52	34.51	120	178	Peak	HORIZONTAL
2	5719.00	101.80			97.24	4.50	34.57	34.51	120	178	Average	HORIZONTAL
3	5851.00	64.79	68.20	-3.41	59.86	4.54	34.93	34.54	120	178	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

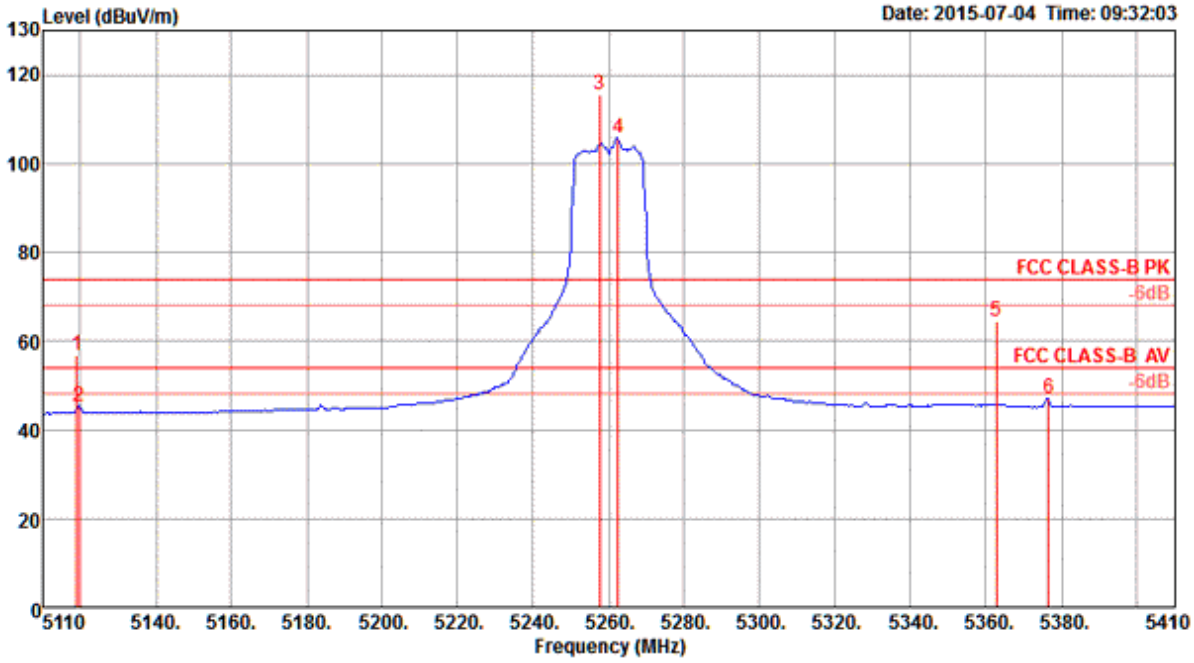
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 4 + Chain 5 + Chain 6

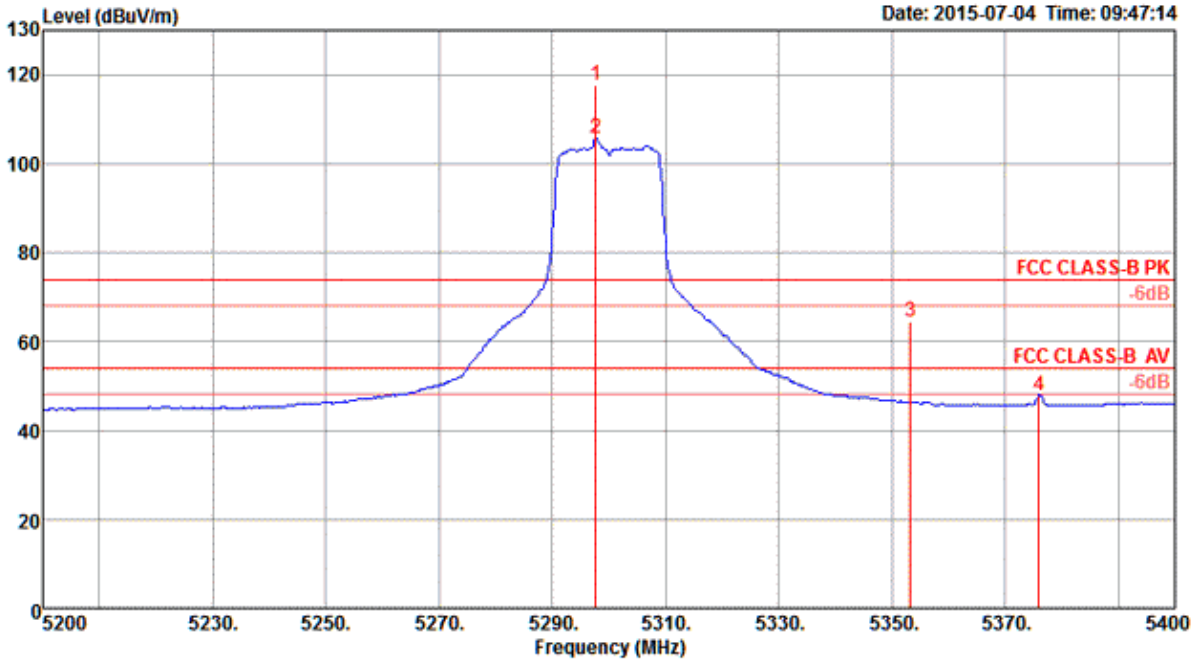
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5119.00	57.02	74.00	-16.98	54.04	4.24	33.21	34.47	246	178	Peak	HORIZONTAL
2	5119.60	45.31	54.00	-8.69	42.33	4.24	33.21	34.47	246	178	Average	HORIZONTAL
3	5257.60	115.51			112.23	4.30	33.45	34.47	246	178	Peak	HORIZONTAL
4	5262.40	105.74			102.42	4.31	33.48	34.47	246	178	Average	HORIZONTAL
5	5362.60	64.36	74.00	-9.64	60.81	4.36	33.66	34.47	246	178	Peak	HORIZONTAL
6	5376.40	47.20	54.00	-6.80	43.65	4.36	33.66	34.47	246	178	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

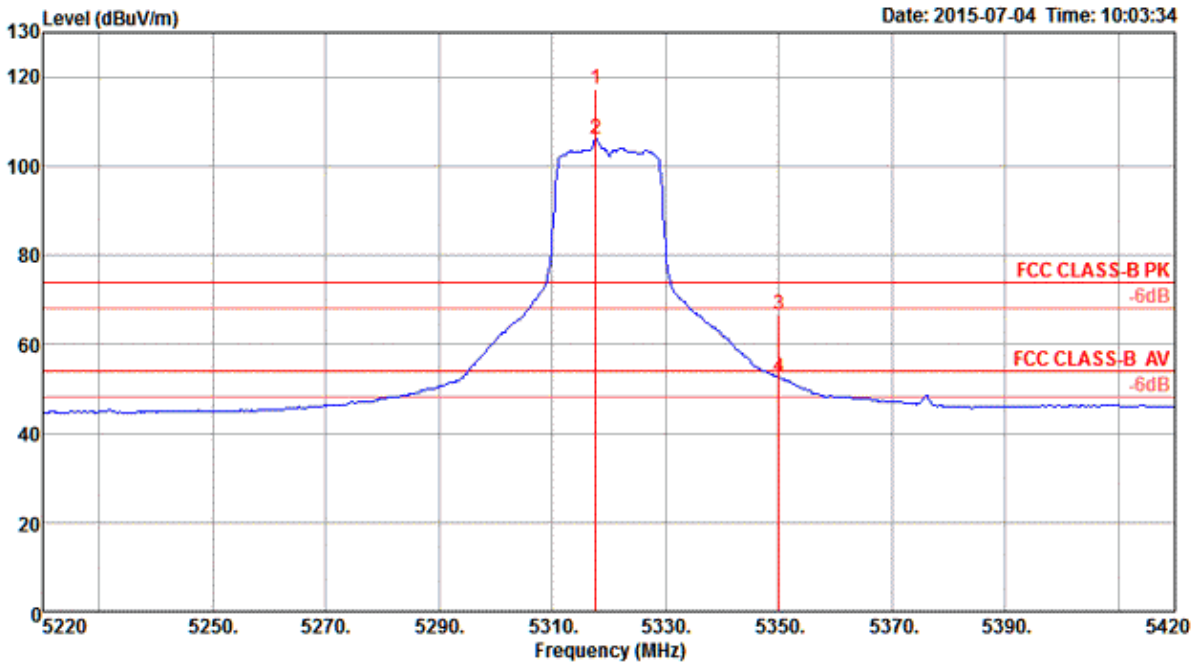
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5297.60	117.78			114.38	4.33	33.54	34.47	243	186	Peak	HORIZONTAL
2	5297.60	105.91			102.51	4.33	33.54	34.47	243	186	Average	HORIZONTAL
3	5353.20	64.51	74.00	-9.49	61.00	4.35	33.63	34.47	243	186	Peak	HORIZONTAL
4	5376.00	47.97	54.00	-6.03	44.42	4.36	33.66	34.47	243	186	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

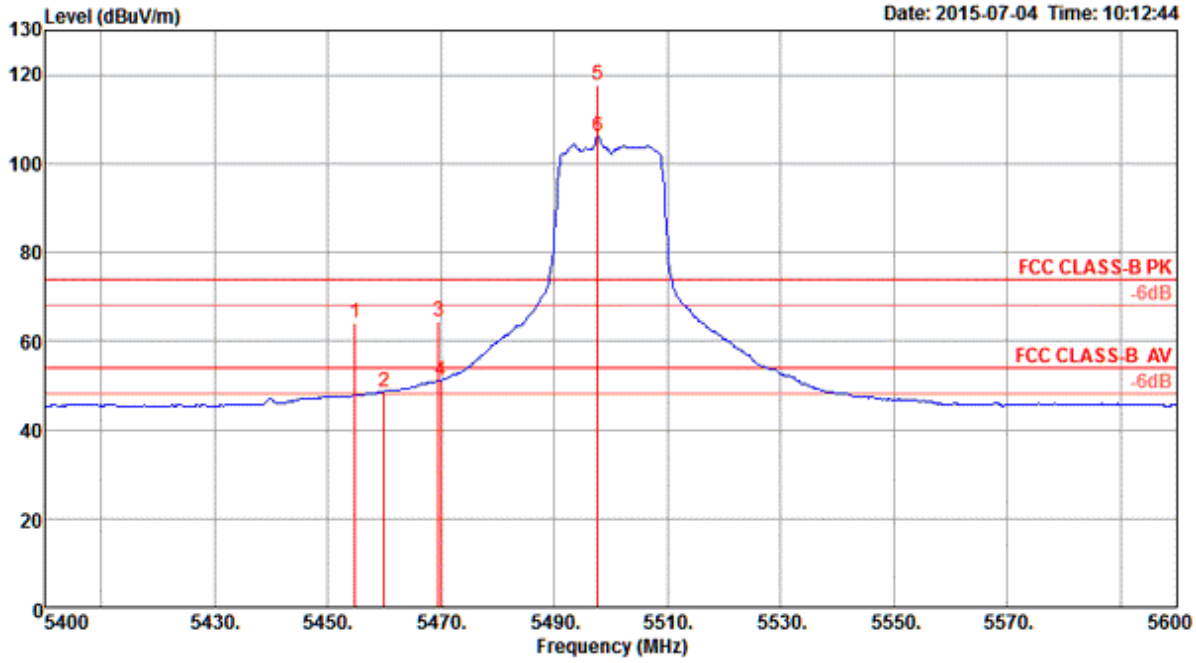


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5317.60	117.39			113.96	4.33	33.57	34.47	239	177	Peak	HORIZONTAL
2	5317.60	106.01			102.58	4.33	33.57	34.47	239	177	Average	HORIZONTAL
3	5350.00	66.47	74.00	-7.53	62.96	4.35	33.63	34.47	239	177	Peak	HORIZONTAL
4	5350.00	52.36	54.00	-1.64	48.85	4.35	33.63	34.47	239	177	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 100, 116, 140, 144 / Chain 4 + Chain 5 + Chain 6

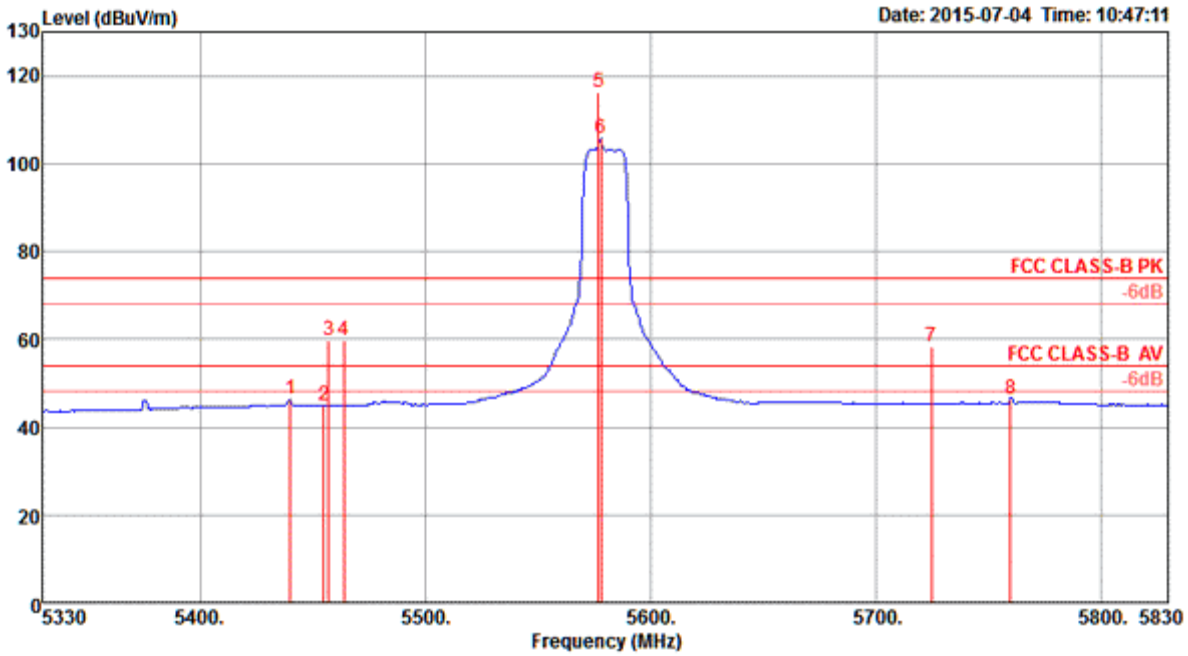
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5454.80	64.02	74.00	-9.98	60.28	4.40	33.81	34.47	247	195	Peak	HORIZONTAL
2	5460.00	48.66	54.00	-5.34	44.92	4.40	33.81	34.47	247	195	Average	HORIZONTAL
3	5469.60	64.46	74.00	-9.54	60.68	4.41	33.84	34.47	247	195	Peak	HORIZONTAL
4	5470.00	50.98	54.00	-3.02	47.20	4.41	33.84	34.47	247	195	Average	HORIZONTAL
5	5497.60	117.61			113.76	4.42	33.90	34.47	247	195	Peak	HORIZONTAL
6	5497.60	106.17			102.32	4.42	33.90	34.47	247	195	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

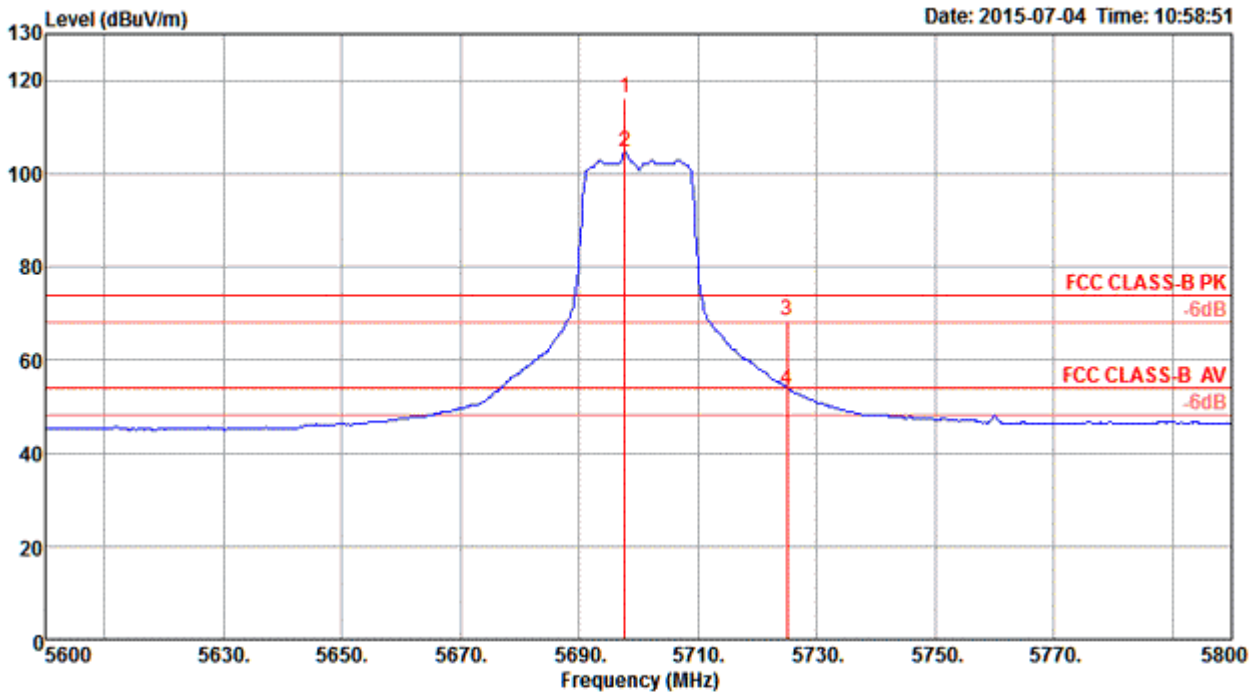
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5440.00	46.18	54.00	-7.82	42.48	4.39	33.78	34.47	237	188	Average	HORIZONTAL
2	5455.00	44.95	54.00	-9.05	41.21	4.40	33.81	34.47	237	188	Average	HORIZONTAL
3	5457.00	59.84	74.00	-14.16	56.10	4.40	33.81	34.47	237	188	Peak	HORIZONTAL
4	5464.00	59.72	74.00	-14.28	55.94	4.41	33.84	34.47	237	188	Peak	HORIZONTAL
5	5577.00	116.29			112.23	4.44	34.11	34.49	237	188	Peak	HORIZONTAL
6	5578.00	105.69			101.63	4.44	34.11	34.49	237	188	Average	HORIZONTAL
7	5725.00	58.45	74.00	-15.55	53.89	4.50	34.57	34.51	237	188	Peak	HORIZONTAL
8	5760.00	46.53	54.00	-7.47	41.87	4.51	34.68	34.53	237	188	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

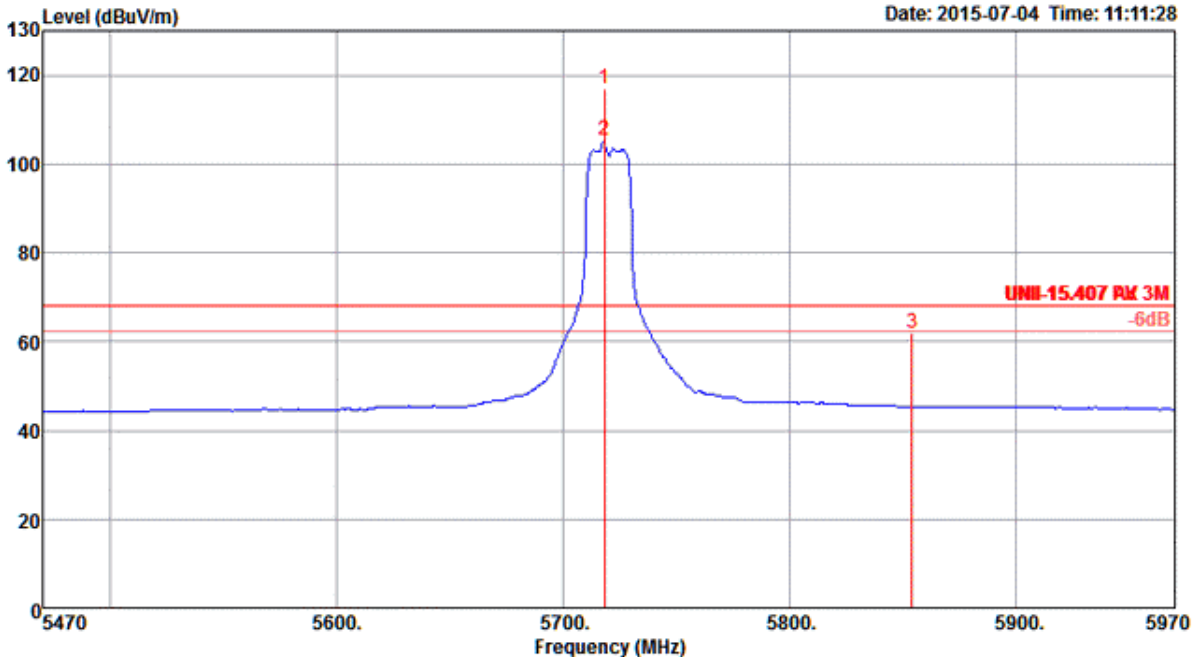
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5697.60	116.38			111.93	4.49	34.47	34.51	237	179	Peak	HORIZONTAL
2	5697.60	104.75			100.30	4.49	34.47	34.51	237	179	Average	HORIZONTAL
3	5725.00	68.38	74.00	-5.62	63.82	4.50	34.57	34.51	237	179	Peak	HORIZONTAL
4	5725.00	53.64	54.00	-0.36	49.08	4.50	34.57	34.51	237	179	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

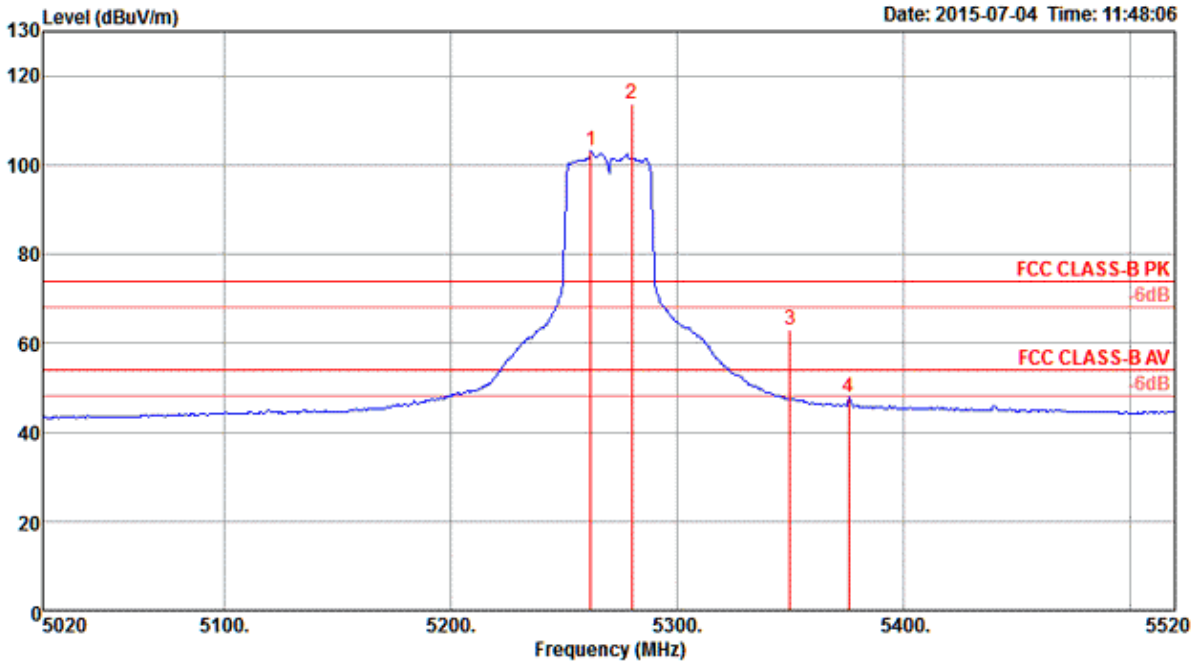


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5718.00	116.98			112.42	4.50	34.57	34.51	245	177	Peak	HORIZONTAL
2	5718.00	105.35			100.79	4.50	34.57	34.51	245	177	Average	HORIZONTAL
3	5854.00	62.02	68.20	-6.18	57.02	4.55	34.99	34.54	245	177	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 54, 62 / Chain 4 + Chain 5 + Chain 6

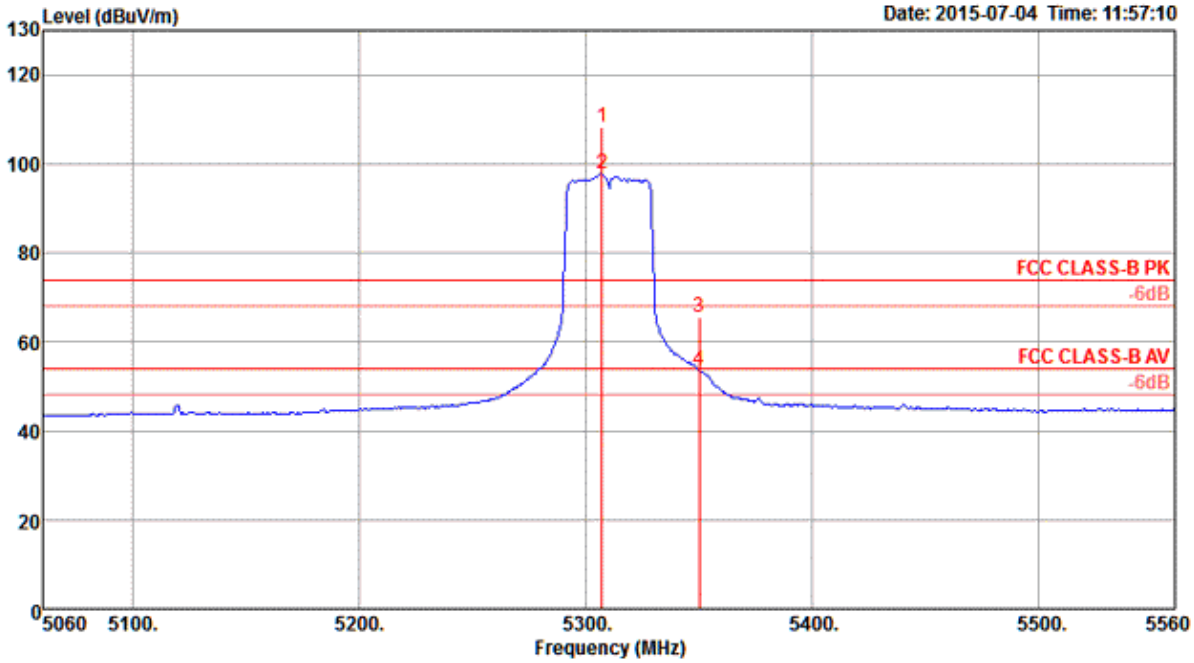
Channel 54



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5262.00	103.09			99.77	4.31	33.48	34.47	122	184	Average	HORIZONTAL
2	5280.00	113.67			110.31	4.32	33.51	34.47	122	184	Peak	HORIZONTAL
3	5350.00	63.12	74.00	-10.88	59.61	4.35	33.63	34.47	122	184	Peak	HORIZONTAL
4	5376.00	47.93	54.00	-6.07	44.38	4.36	33.66	34.47	122	184	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

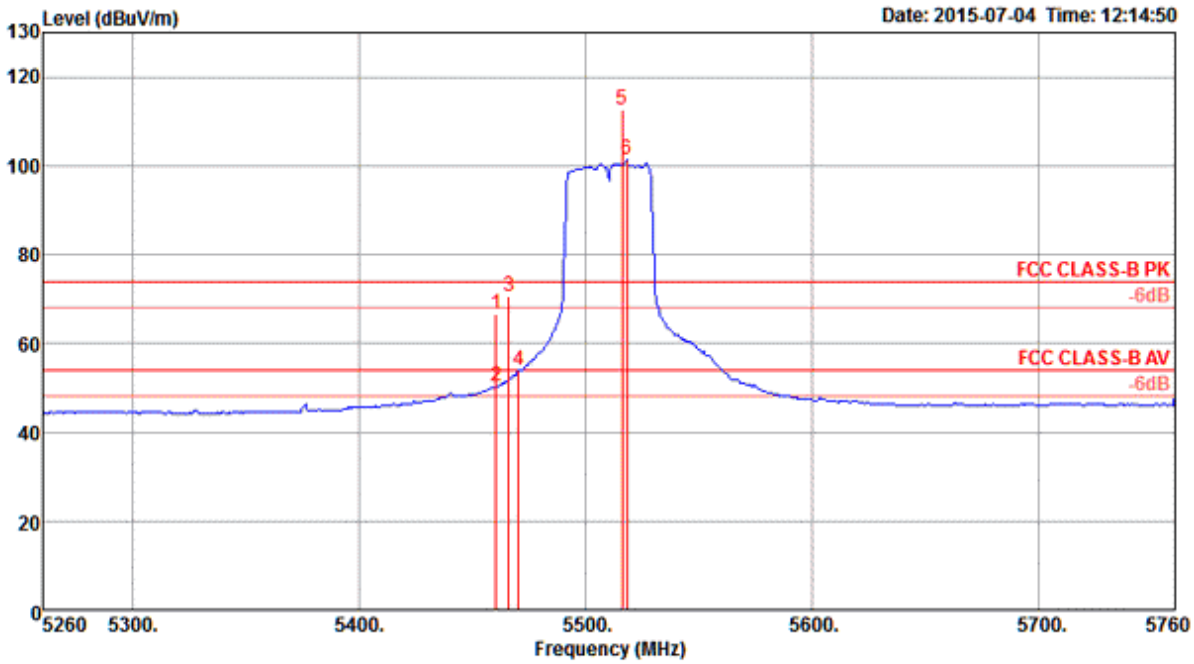


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5307.00	108.36			104.96	4.33	33.54	34.47	236	167	Peak	HORIZONTAL
2	5307.00	97.68			94.28	4.33	33.54	34.47	236	167	Average	HORIZONTAL
3	5350.00	65.71	74.00	-8.29	62.20	4.35	33.63	34.47	236	167	Peak	HORIZONTAL
4	5350.00	53.49	54.00	-0.51	49.98	4.35	33.63	34.47	236	167	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 102, 110, 134, 142 / Chain 4 + Chain 5 + Chain 6

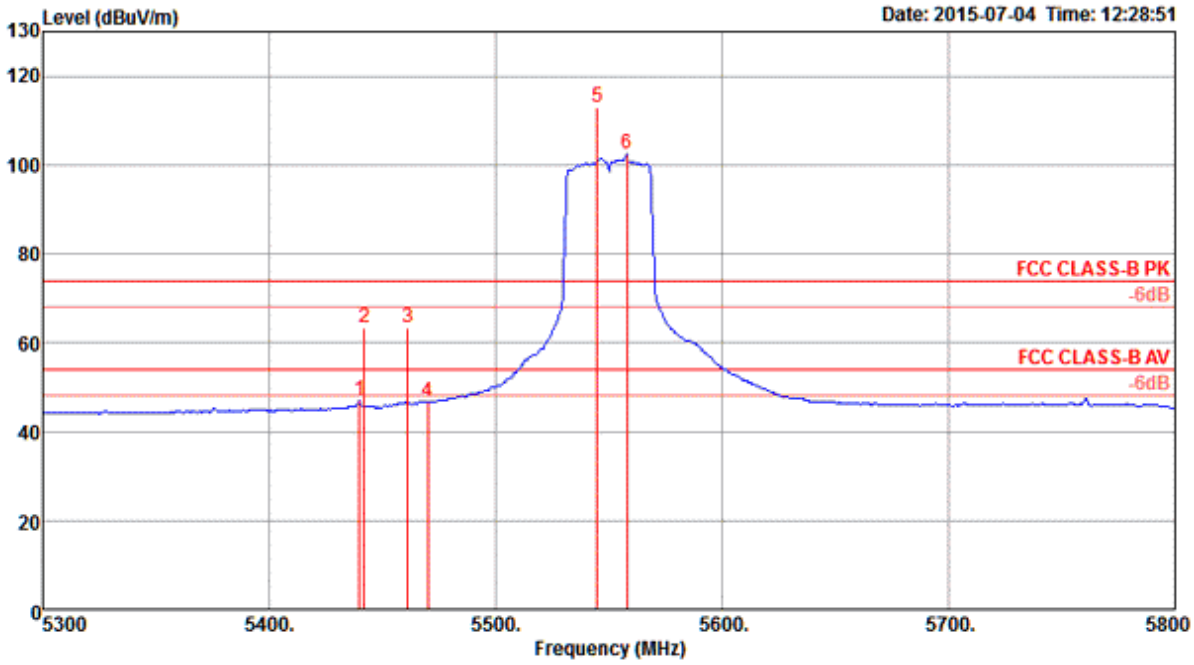
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5460.00	66.57	74.00	-7.43	62.83	4.40	33.81	34.47	115	181	Peak	HORIZONTAL
2	5460.00	50.16	54.00	-3.84	46.42	4.40	33.81	34.47	115	181	Average	HORIZONTAL
3	5466.00	70.50	74.00	-3.50	66.72	4.41	33.84	34.47	115	181	Peak	HORIZONTAL
4	5470.00	53.86	54.00	-0.14	50.08	4.41	33.84	34.47	115	181	Average	HORIZONTAL
5	5516.00	112.46			108.56	4.43	33.95	34.48	115	181	Peak	HORIZONTAL
6	5518.00	101.44			97.54	4.43	33.95	34.48	115	181	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

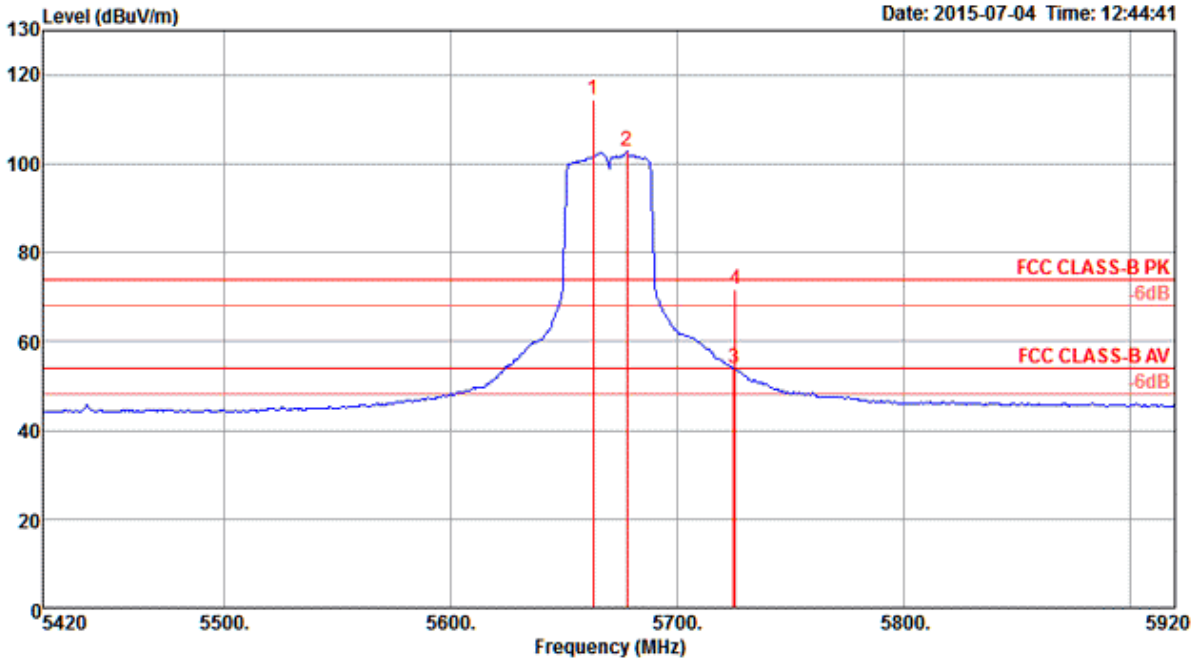
Channel 110



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5440.00	47.08	54.00	-6.92	43.38	4.39	33.78	34.47	117	181	Average	HORIZONTAL
2	5442.00	63.21	74.00	-10.79	59.51	4.39	33.78	34.47	117	181	Peak	HORIZONTAL
3	5461.00	63.20	74.00	-10.80	59.46	4.40	33.81	34.47	117	181	Peak	HORIZONTAL
4	5470.00	46.62	54.00	-7.38	42.84	4.41	33.84	34.47	117	181	Average	HORIZONTAL
5	5545.00	113.12			109.17	4.43	34.00	34.48	117	181	Peak	HORIZONTAL
6	5558.00	102.35			98.34	4.44	34.06	34.49	117	181	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

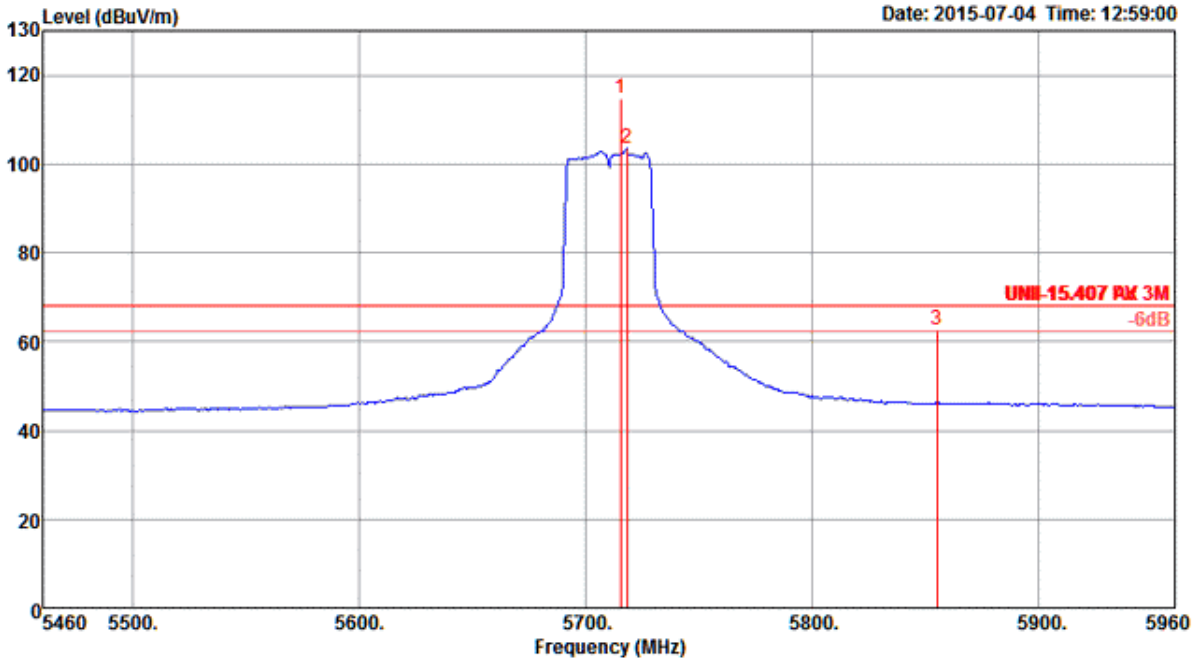
Channel 134



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5663.00	114.48			110.15	4.47	34.37	34.51	113	182	Peak	HORIZONTAL
2	5678.00	102.70			98.31	4.48	34.42	34.51	113	182	Average	HORIZONTAL
3	5725.00	53.95	54.00	-0.05	49.39	4.50	34.57	34.51	113	182	Average	HORIZONTAL
4	5726.00	71.67	74.00	-2.33	67.11	4.50	34.57	34.51	113	182	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Channel 142

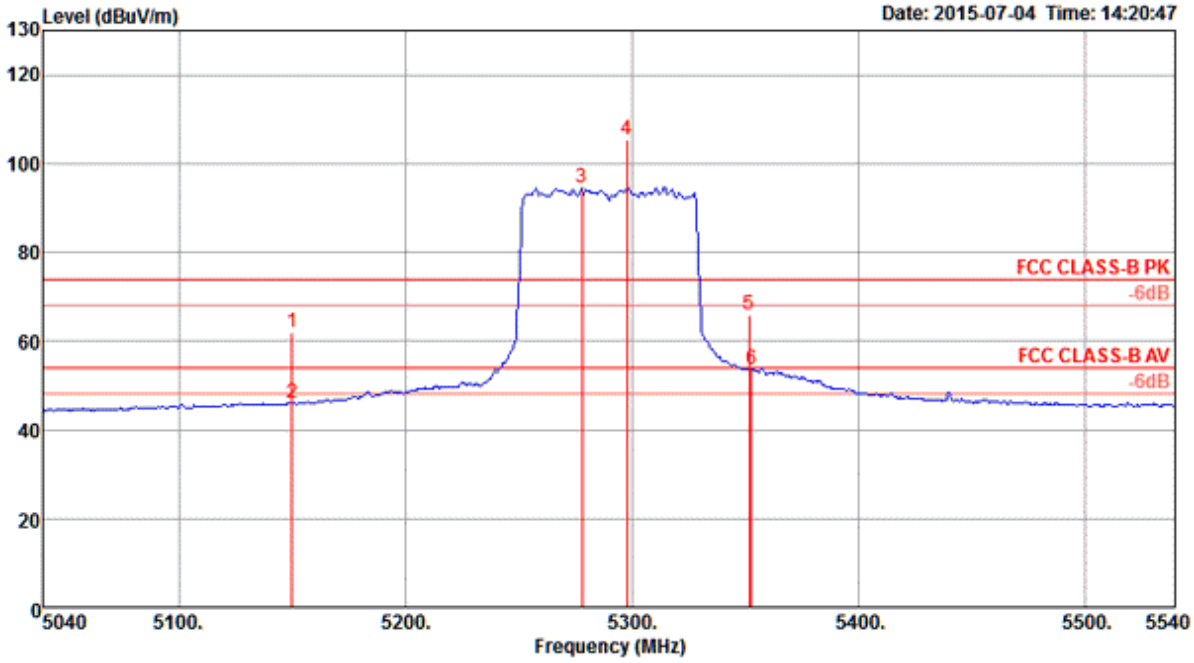


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5715.00	114.94			110.44	4.49	34.52	34.51	112	179	Peak	HORIZONTAL
2	5718.00	103.66			99.10	4.50	34.57	34.51	112	179	Average	HORIZONTAL
3	5855.00	62.76	68.20	-5.44	57.76	4.55	34.99	34.54	112	179	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 58, 106, 122, 138 / Chain 4 + Chain 5 + Chain 6

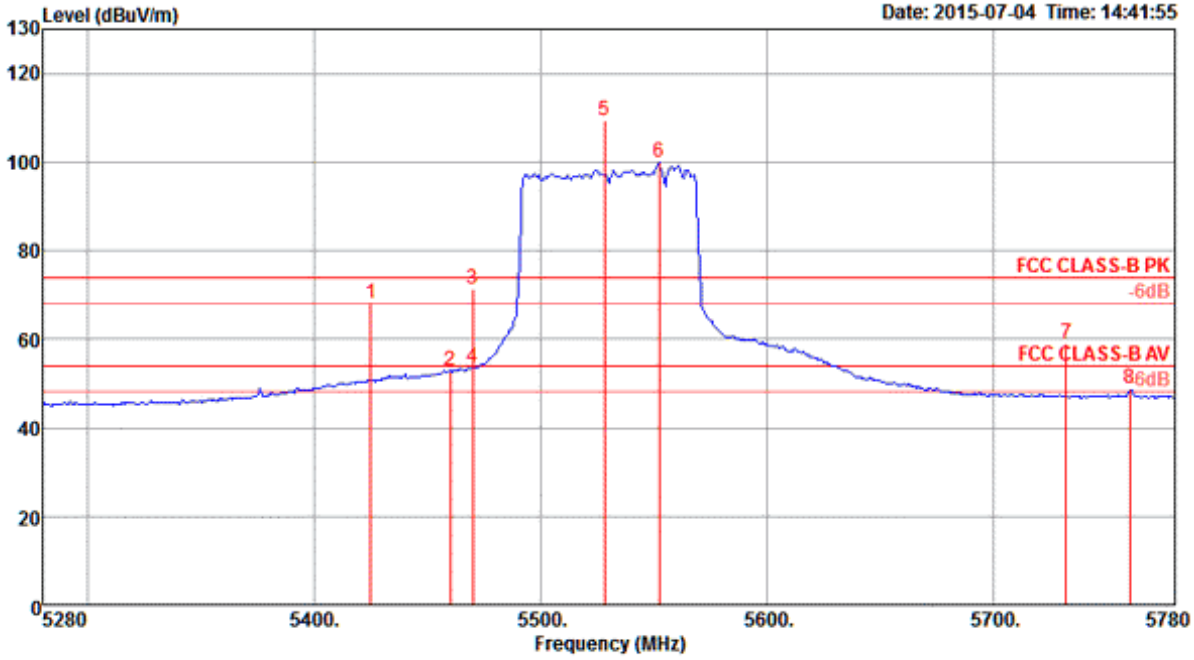
Channel 58



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5150.00	62.03	74.00	-11.97	58.97	4.26	33.27	34.47	111	188	Peak	HORIZONTAL
2	5150.00	45.81	54.00	-8.19	42.75	4.26	33.27	34.47	111	188	Average	HORIZONTAL
3	5278.00	94.56			91.20	4.32	33.51	34.47	111	188	Average	HORIZONTAL
4	5298.00	105.39			101.99	4.33	33.54	34.47	111	188	Peak	HORIZONTAL
5	5352.00	65.92	74.00	-8.08	62.41	4.35	33.63	34.47	111	188	Peak	HORIZONTAL
6	5353.00	53.70	54.00	-0.30	50.19	4.35	33.63	34.47	111	188	Average	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

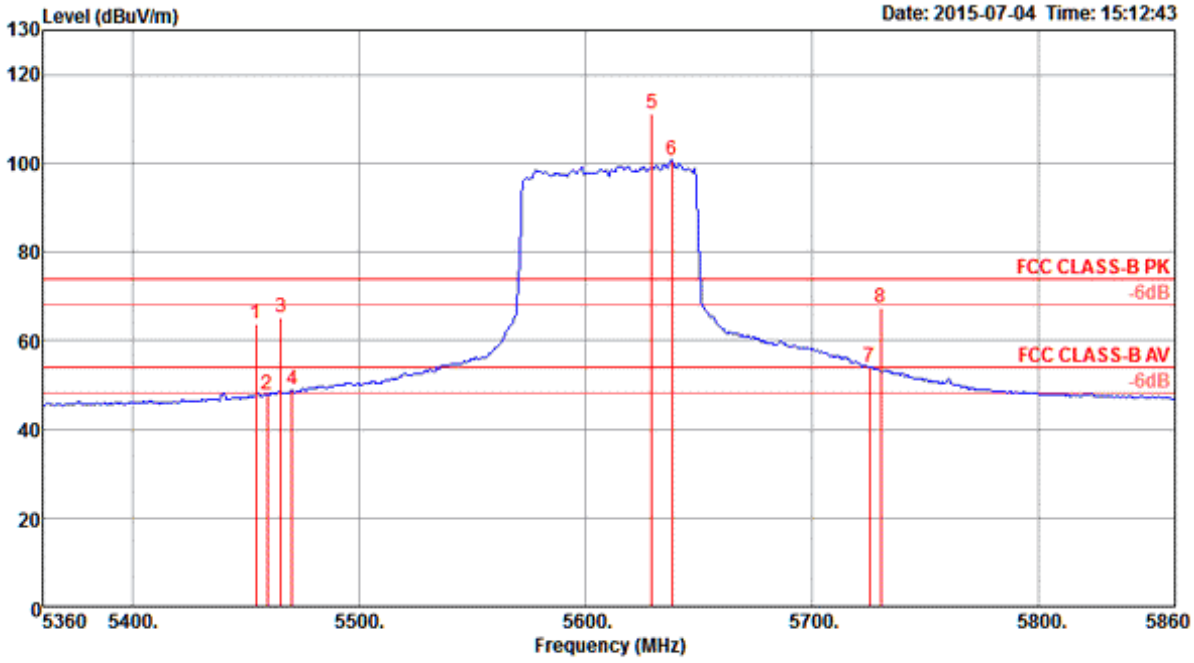
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5425.00	67.95	74.00	-6.05	64.29	4.38	33.75	34.47	242	183	Peak	HORIZONTAL
2	5460.00	52.81	54.00	-1.19	49.07	4.40	33.81	34.47	242	183	Average	HORIZONTAL
3	5470.00	71.38	74.00	-2.62	67.60	4.41	33.84	34.47	242	183	Peak	HORIZONTAL
4	5470.00	53.76	54.00	-0.24	49.98	4.41	33.84	34.47	242	183	Average	HORIZONTAL
5	5528.00	109.53			105.63	4.43	33.95	34.48	242	183	Peak	HORIZONTAL
6	5552.00	99.78			95.77	4.44	34.06	34.49	242	183	Average	HORIZONTAL
7	5732.00	59.18	74.00	-14.82	54.63	4.50	34.57	34.52	242	183	Peak	HORIZONTAL
8	5760.00	48.76	54.00	-5.24	44.10	4.51	34.68	34.53	242	183	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

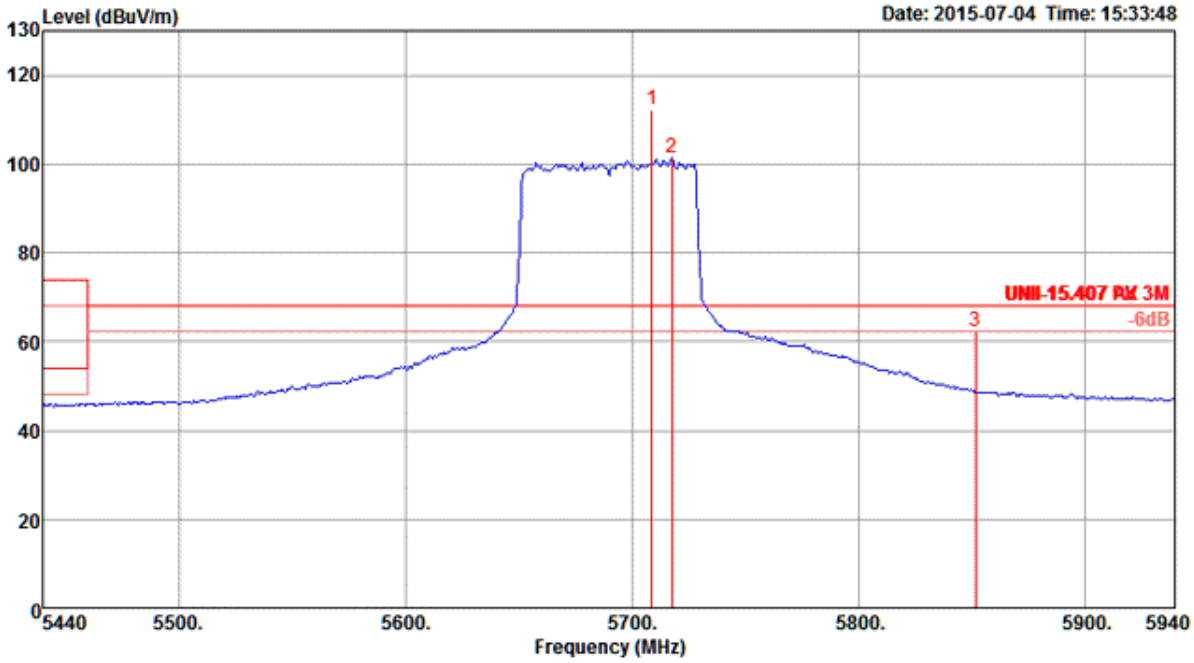
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5454.00	63.78	74.00	-10.22	60.04	4.40	33.81	34.47	119	174	Peak	HORIZONTAL
2	5459.00	47.70	54.00	-6.30	43.96	4.40	33.81	34.47	119	174	Average	HORIZONTAL
3	5465.00	65.01	74.00	-8.99	61.23	4.41	33.84	34.47	119	174	Peak	HORIZONTAL
4	5470.00	48.76	54.00	-5.24	44.98	4.41	33.84	34.47	119	174	Average	HORIZONTAL
5	5629.00	111.05			106.83	4.46	34.26	34.50	119	174	Peak	HORIZONTAL
6	5638.00	100.60			96.32	4.47	34.31	34.50	119	174	Average	HORIZONTAL
7	5725.00	53.92	54.00	-0.08	49.36	4.50	34.57	34.51	119	174	Average	HORIZONTAL
8	5730.00	67.51	74.00	-6.49	62.95	4.50	34.57	34.51	119	174	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 138



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5709.00	112.26			107.76	4.49	34.52	34.51	114	173	Peak	HORIZONTAL
2	5718.00	101.29			96.73	4.50	34.57	34.51	114	173	Average	HORIZONTAL
3	5852.00	62.43	68.20	-5.77	57.50	4.54	34.93	34.54	114	173	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

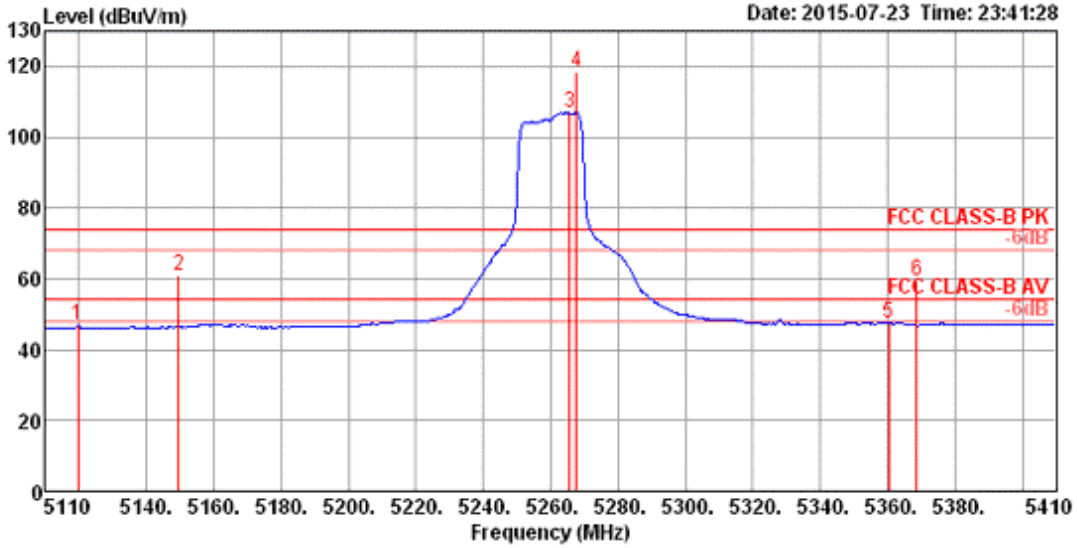
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 4 + Chain 5

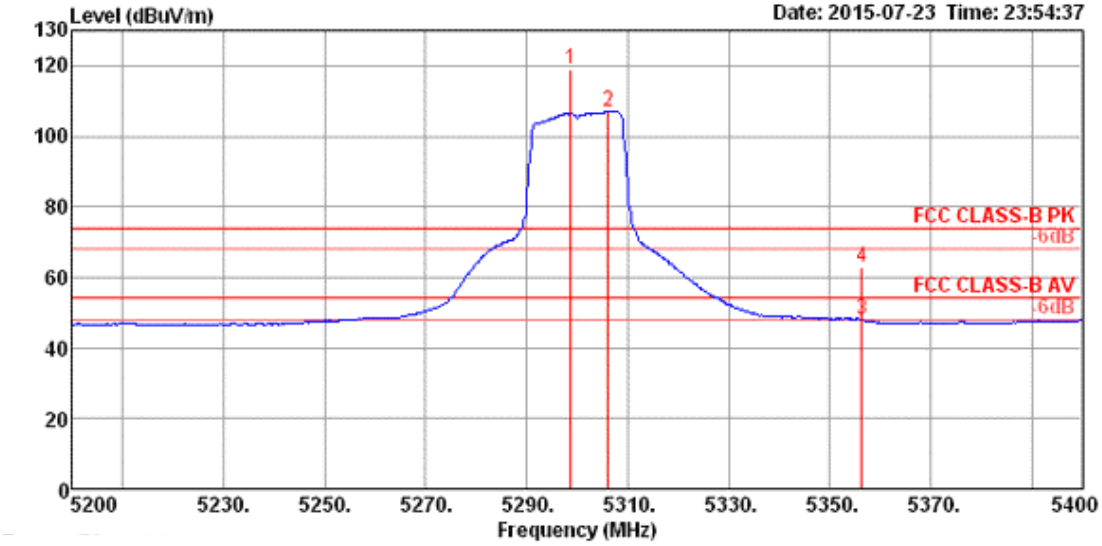
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5119.62	46.84	54.00	-7.16	40.03	6.17	33.69	33.05	164	294	Average	HORIZONTAL
2	5149.42	61.09	74.00	-12.91	54.19	6.21	33.74	33.05	164	294	Peak	HORIZONTAL
3	5265.77	106.75			99.54	6.34	33.93	33.06	164	294	Average	HORIZONTAL
4	5267.69	118.57			111.36	6.34	33.93	33.06	164	294	Peak	HORIZONTAL
5	5360.48	47.46	54.00	-6.54	39.99	6.47	34.06	33.06	164	294	Average	HORIZONTAL
6	5368.65	59.63	74.00	-14.37	52.13	6.47	34.09	33.06	164	294	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

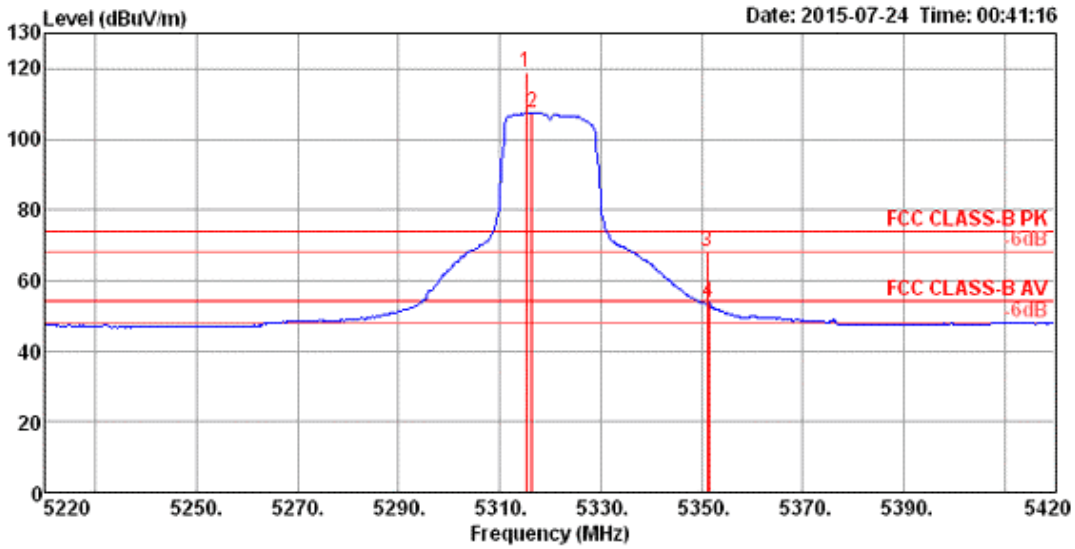
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5298.72	119.14			111.82	6.40	33.98	33.06	174	295	Peak	HORIZONTAL
2	5306.09	106.97			99.65	6.40	33.98	33.06	174	295	Average	HORIZONTAL
3	5356.41	48.17	54.00	-5.83	40.70	6.47	34.06	33.06	174	295	Average	HORIZONTAL
4	5356.41	62.76	74.00	-11.24	55.29	6.47	34.06	33.06	174	295	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

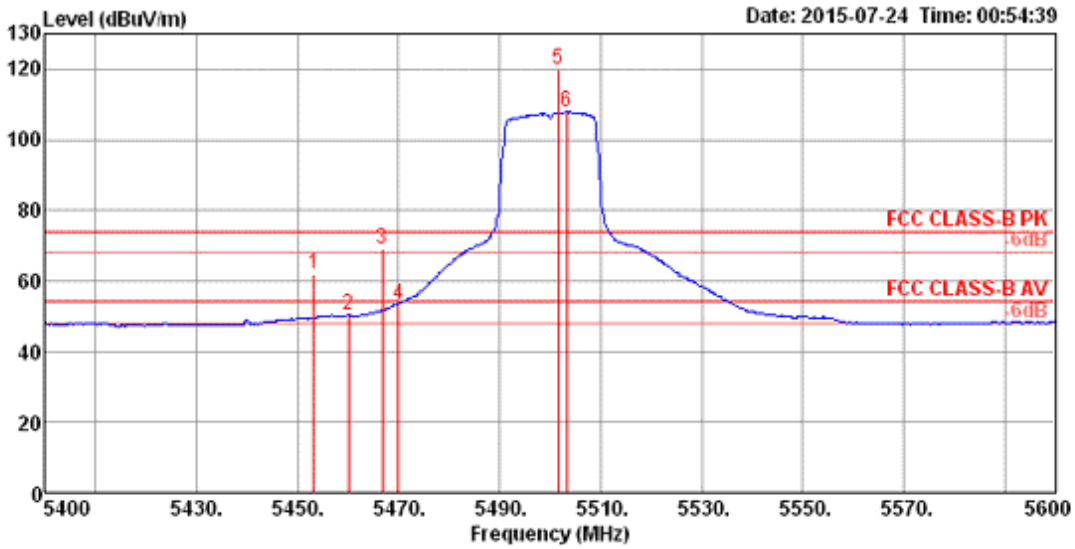


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5315.19	118.80			111.45	6.40	34.01	33.06	177	303	Peak	HORIZONTAL
2	5316.47	107.46			100.11	6.40	34.01	33.06	177	303	Average	HORIZONTAL
3	5351.09	68.22	74.00	-5.78	60.75	6.47	34.06	33.06	177	303	Peak	HORIZONTAL
4	5351.41	53.72	54.00	-0.28	46.25	6.47	34.06	33.06	177	303	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140, 144 / Chain 4 + Chain 5

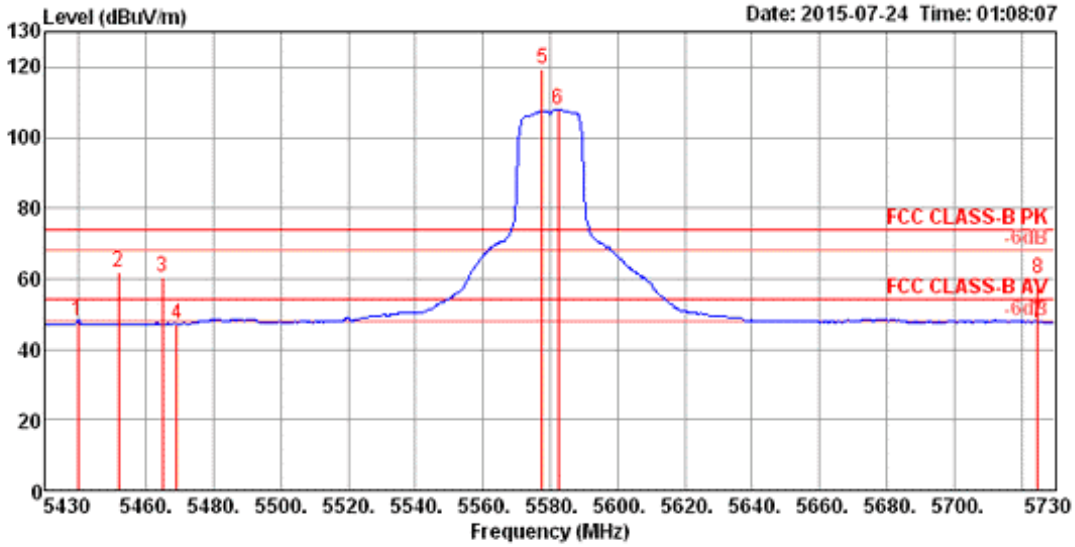
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5453.21	61.89	74.00	-12.11	54.13	6.60	34.22	33.06	177	304	Peak	HORIZONTAL
2	5460.00	50.27	54.00	-3.73	42.51	6.60	34.22	33.06	177	304	Average	HORIZONTAL
3	5466.67	69.16	74.00	-4.84	61.37	6.60	34.25	33.06	177	304	Peak	HORIZONTAL
4	5470.00	53.08	54.00	-0.92	45.29	6.60	34.25	33.06	177	304	Average	HORIZONTAL
5	5501.60	119.70			111.82	6.65	34.30	33.07	177	304	Peak	HORIZONTAL
6	5503.21	107.81			99.93	6.65	34.30	33.07	177	304	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

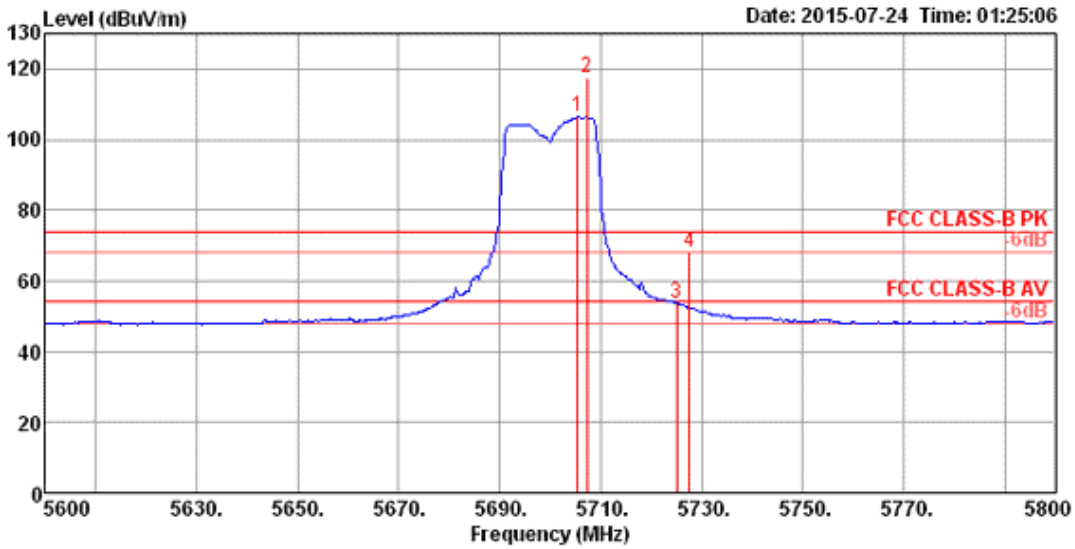
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5439.62	48.11	54.00	-5.89	40.42	6.56	34.19	33.06	188	307	Average	HORIZONTAL
2	5451.64	62.06	74.00	-11.94	54.30	6.60	34.22	33.06	188	307	Peak	HORIZONTAL
3	5464.71	60.55	74.00	-13.45	52.76	6.60	34.25	33.06	188	307	Peak	HORIZONTAL
4	5469.04	47.08	54.00	-6.92	39.29	6.60	34.25	33.06	188	307	Average	HORIZONTAL
5	5577.60	119.64			111.67	6.72	34.34	33.09	188	307	Peak	HORIZONTAL
6	5582.40	107.92			99.94	6.72	34.35	33.09	188	307	Average	HORIZONTAL
7	5725.00	47.70	54.00	-6.30	39.57	6.83	34.43	33.13	188	307	Average	HORIZONTAL
8	5725.00	60.14	74.00	-13.86	52.01	6.83	34.43	33.13	188	307	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

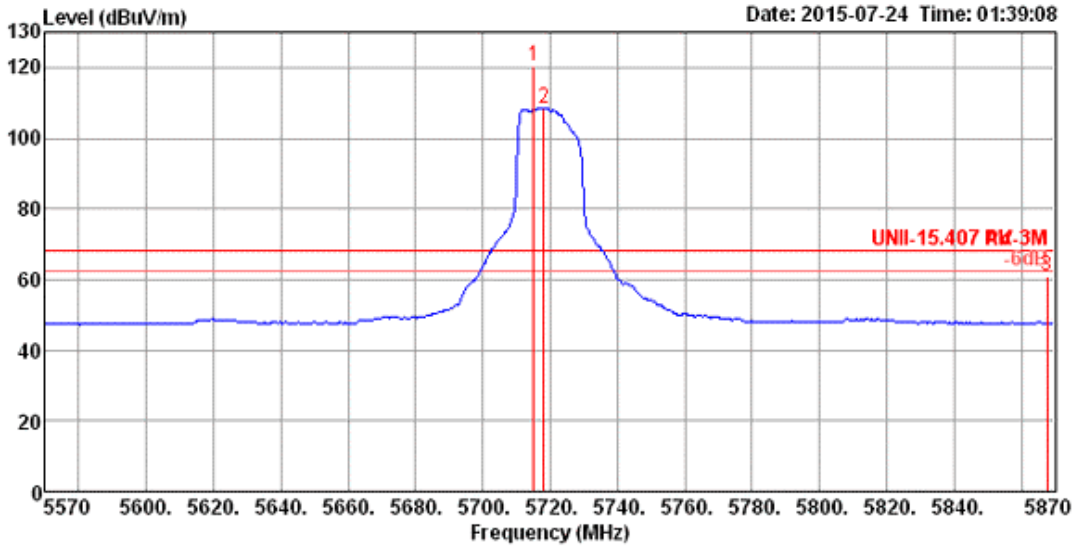
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.45	106.37			98.25	6.83	34.42	33.13	173	304	Average	HORIZONTAL
2	5707.37	117.72			109.60	6.83	34.42	33.13	173	304	Peak	HORIZONTAL
3	5725.00	53.70	54.00	-0.30	45.57	6.83	34.43	33.13	173	304	Average	HORIZONTAL
4	5727.56	68.06	74.00	-5.94	59.93	6.83	34.43	33.13	173	304	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

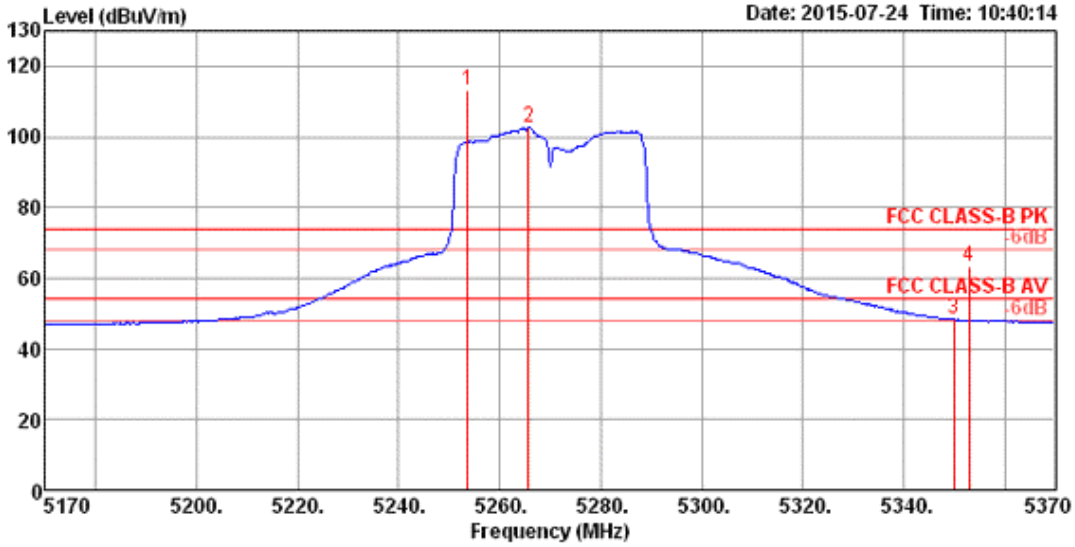


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5715.19	120.31			112.19	6.83	34.42	33.13	167	306	Peak	HORIZONTAL
2	5718.08	108.57			100.44	6.83	34.43	33.13	167	306	Average	HORIZONTAL
3	5867.60	61.07	68.20	-7.13	52.76	6.97	34.52	33.18	167	306	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 4 + Chain 5

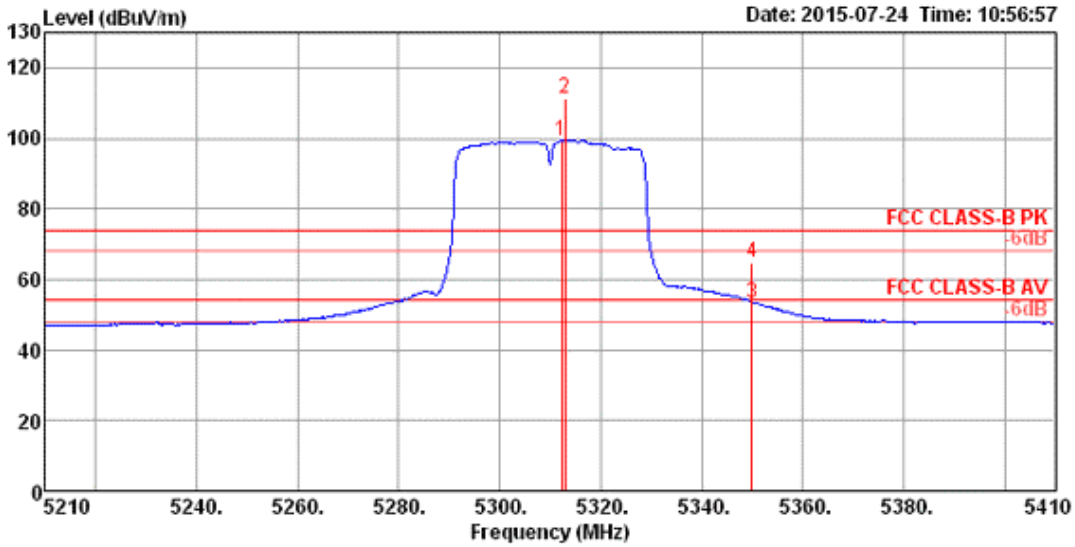
Channel 54



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5253.65	113.09			105.91	6.34	33.90	33.06	182	68	Peak	HORIZONTAL
2	5265.80	102.82			95.61	6.34	33.93	33.06	182	68	Average	HORIZONTAL
3	5350.00	48.23	54.00	-5.77	40.76	6.47	34.06	33.06	182	68	Average	HORIZONTAL
4	5353.01	63.26	74.00	-10.74	55.79	6.47	34.06	33.06	182	68	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

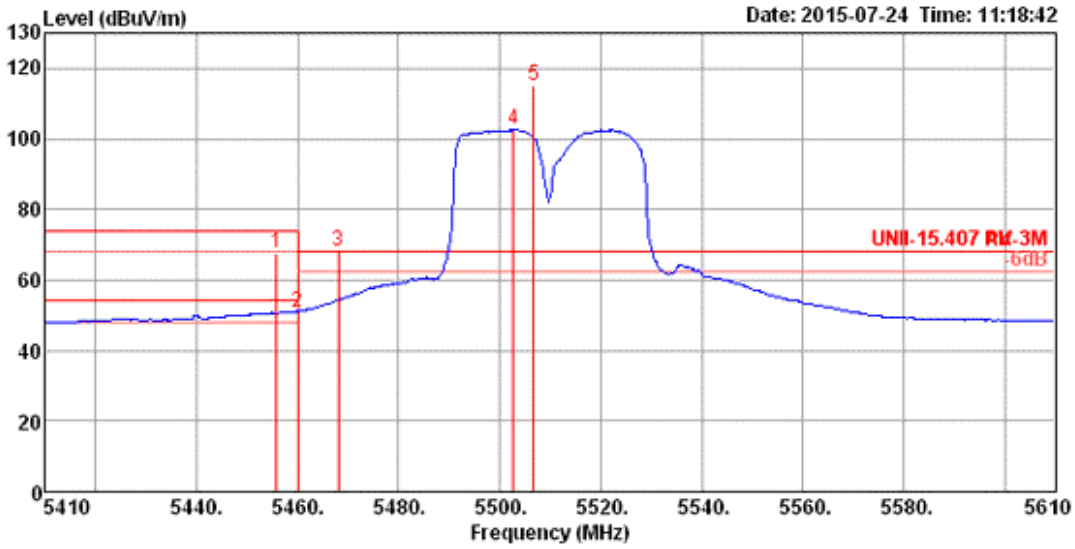


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5312.24	99.29			91.94	6.40	34.01	33.06	187	294	Average	HORIZONTAL
2	5312.89	111.33			103.98	6.40	34.01	33.06	187	294	Peak	HORIZONTAL
3	5350.00	53.42	54.00	-0.58	45.95	6.47	34.06	33.06	187	294	Average	HORIZONTAL
4	5350.00	64.99	74.00	-9.01	57.52	6.47	34.06	33.06	187	294	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134, 142 / Chain 4 + Chain 5

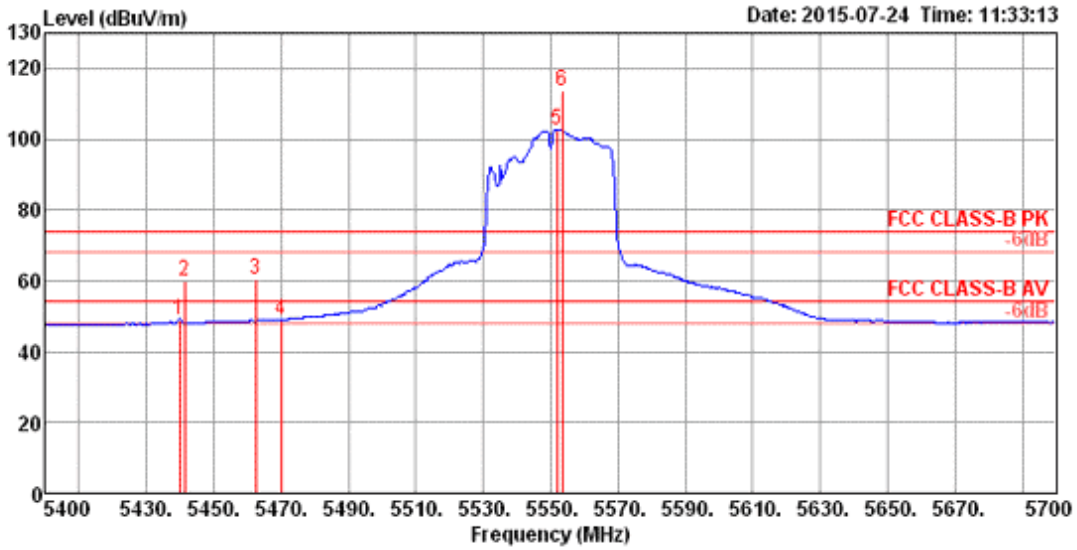
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5455.83	67.67	74.00	-6.33	59.91	6.60	34.22	33.06	179	299	Peak	HORIZONTAL
2	5460.00	50.91	54.00	-3.09	43.15	6.60	34.22	33.06	179	299	Average	HORIZONTAL
3	5468.01	68.13	68.20	-0.07	60.34	6.60	34.25	33.06	179	299	Peak	HORIZONTAL
4	5502.63	102.50			94.62	6.65	34.30	33.07	179	299	Average	HORIZONTAL
5	5506.80	115.32			107.44	6.65	34.30	33.07	179	299	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5510 MHz.

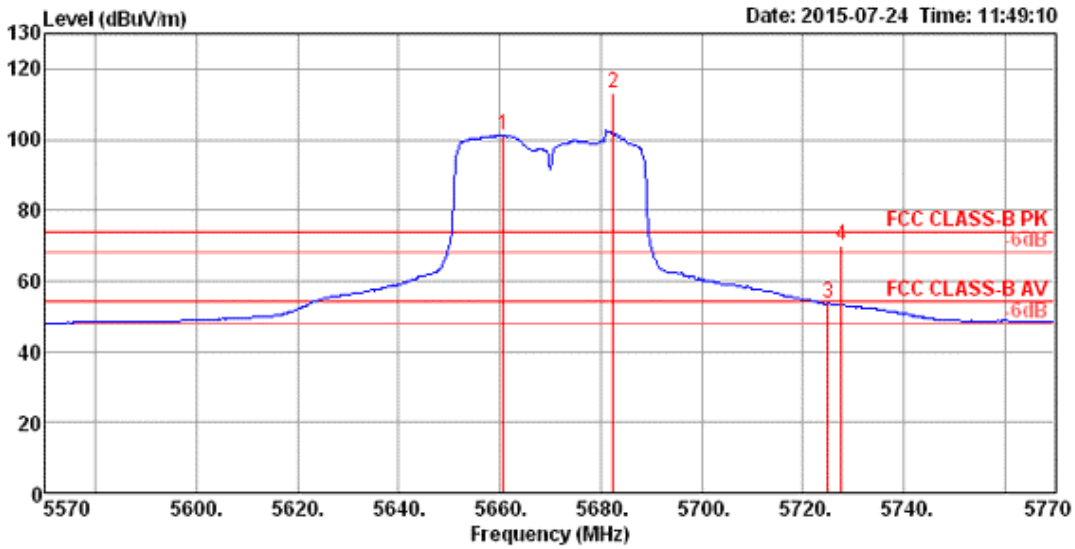
Channel 110



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5439.90	49.16	54.00	-4.84	41.47	6.56	34.19	33.06	161	302	Average	HORIZONTAL
2	5441.35	60.15	74.00	-13.85	52.46	6.56	34.19	33.06	161	302	Peak	HORIZONTAL
3	5462.50	60.44	74.00	-13.56	52.68	6.60	34.22	33.06	161	302	Peak	HORIZONTAL
4	5470.00	48.93	54.00	-5.07	41.14	6.60	34.25	33.06	161	302	Average	HORIZONTAL
5	5551.92	102.60			94.65	6.70	34.33	33.08	161	302	Average	HORIZONTAL
6	5553.37	113.78			105.83	6.70	34.33	33.08	161	302	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

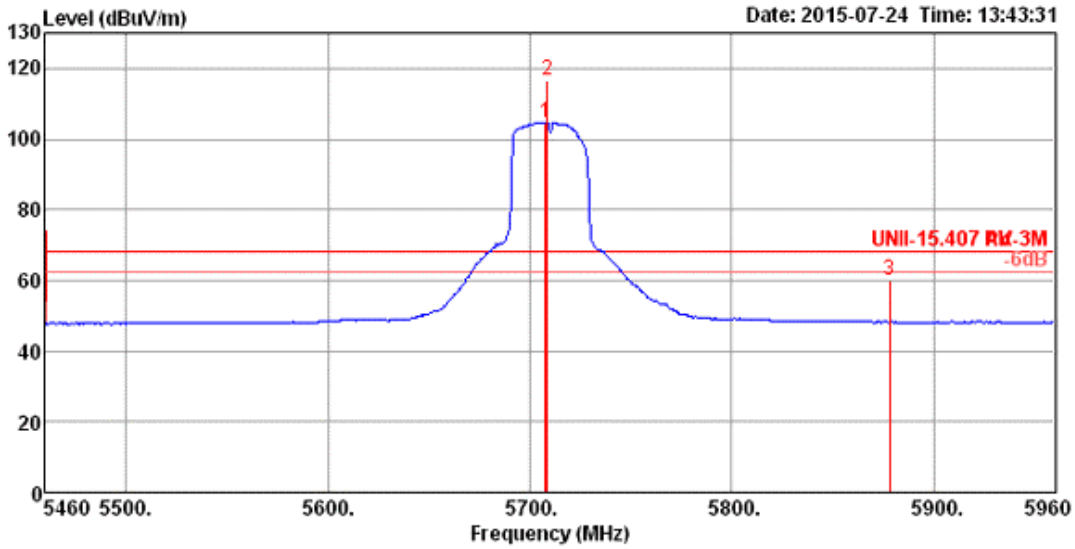
Channel 134



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5660.71	101.14			93.08	6.79	34.39	33.12	152	289	Average	HORIZONTAL
2	5682.50	113.18			105.09	6.81	34.40	33.12	152	289	Peak	HORIZONTAL
3	5725.00	53.55	54.00	-0.45	45.42	6.83	34.43	33.13	152	289	Average	HORIZONTAL
4	5727.69	70.12	74.00	-3.88	61.99	6.83	34.43	33.13	152	289	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Channel 142

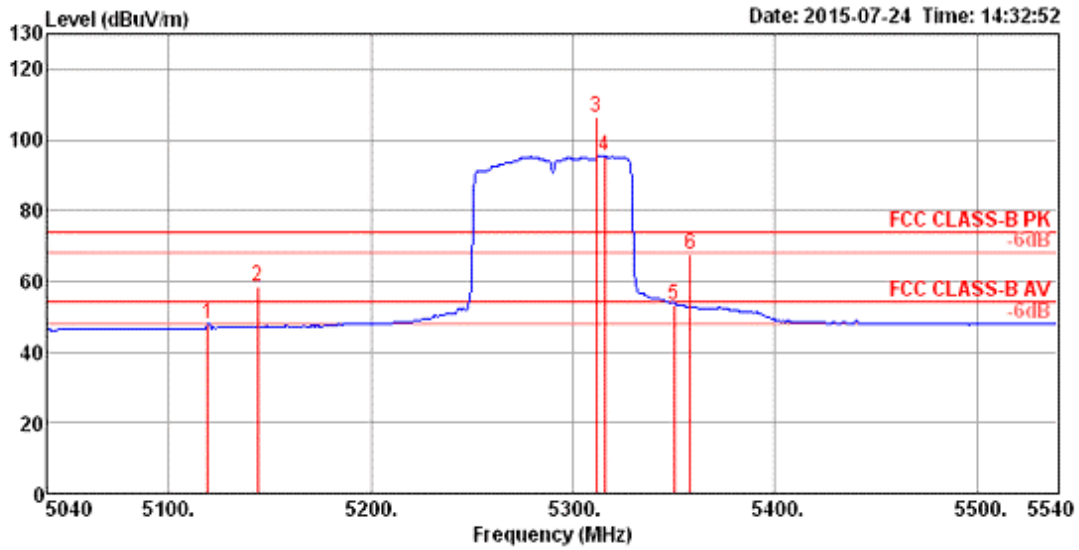


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5707.60	104.77			96.65	6.83	34.42	33.13	176	304	Average	HORIZONTAL
2	5708.40	116.35			108.23	6.83	34.42	33.13	176	304	Peak	HORIZONTAL
3	5878.27	60.07	68.20	-8.13	51.75	6.97	34.53	33.18	176	304	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122, 138 / Chain 4 + Chain 5

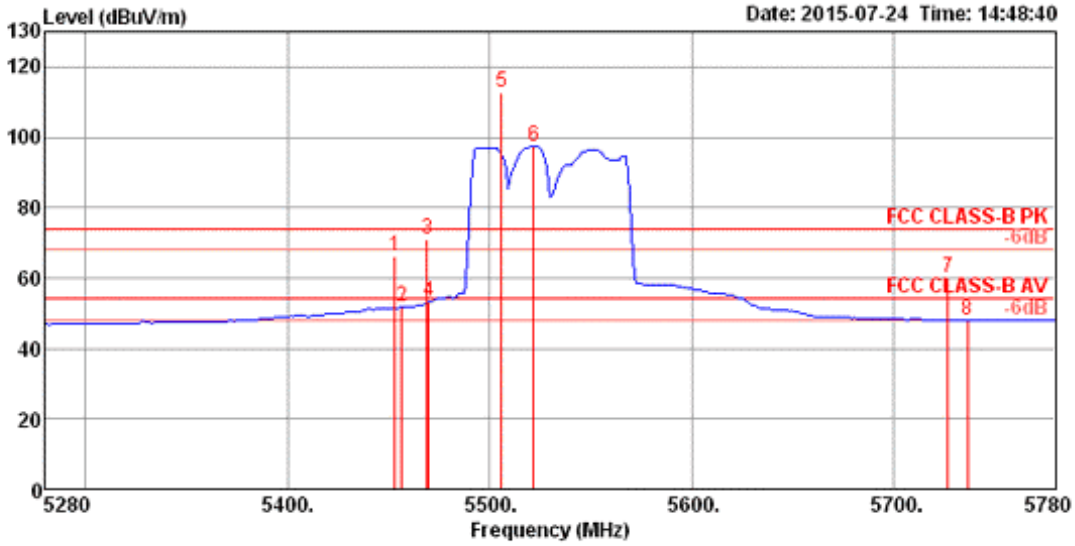
Channel 58



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5119.33	47.80	54.00	-6.20	40.99	6.17	33.69	33.05	183	295	Average	HORIZONTAL
2	5144.17	58.53	74.00	-15.47	51.63	6.21	33.74	33.05	183	295	Peak	HORIZONTAL
3	5311.64	106.52			99.17	6.40	34.01	33.06	183	295	Peak	HORIZONTAL
4	5315.64	95.37			88.02	6.40	34.01	33.06	183	295	Average	HORIZONTAL
5	5350.00	53.46	54.00	-0.54	45.99	6.47	34.06	33.06	183	295	Average	HORIZONTAL
6	5358.11	67.79	74.00	-6.21	60.32	6.47	34.06	33.06	183	295	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

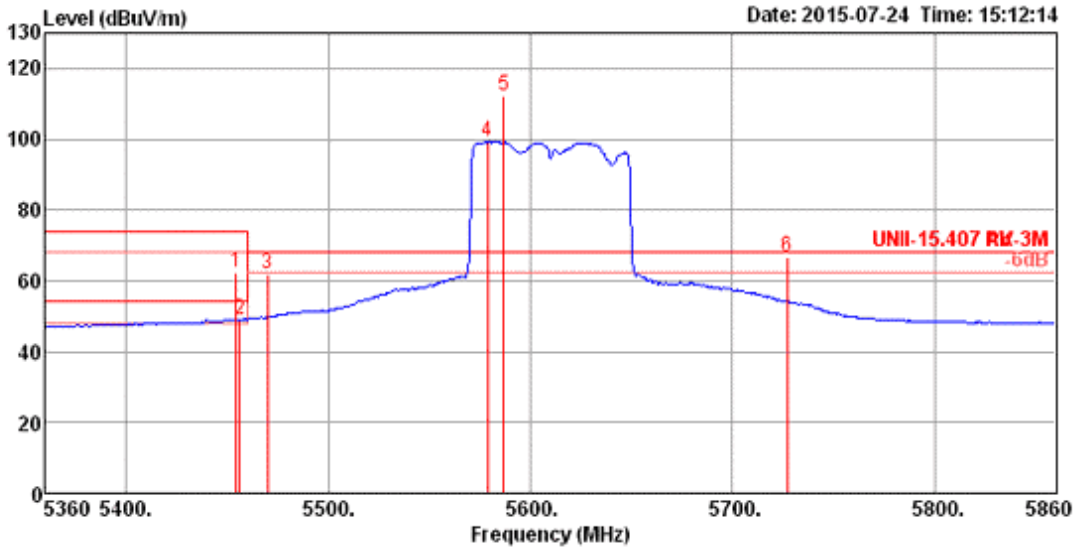
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5453.08	66.35	74.00	-7.65	58.59	6.60	34.22	33.06	181	302	Peak	HORIZONTAL
2	5456.28	51.77	54.00	-2.23	44.01	6.60	34.22	33.06	181	302	Average	HORIZONTAL
3	5469.10	70.97	74.00	-3.03	63.18	6.60	34.25	33.06	181	302	Peak	HORIZONTAL
4	5470.00	53.34	54.00	-0.66	45.55	6.60	34.25	33.06	181	302	Average	HORIZONTAL
5	5505.96	112.52			104.64	6.65	34.30	33.07	181	302	Peak	HORIZONTAL
6	5521.99	97.52			89.63	6.65	34.31	33.07	181	302	Average	HORIZONTAL
7	5727.12	59.82	74.00	-14.18	51.69	6.83	34.43	33.13	181	302	Peak	HORIZONTAL
8	5736.73	48.21	54.00	-5.79	40.05	6.86	34.44	33.14	181	302	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

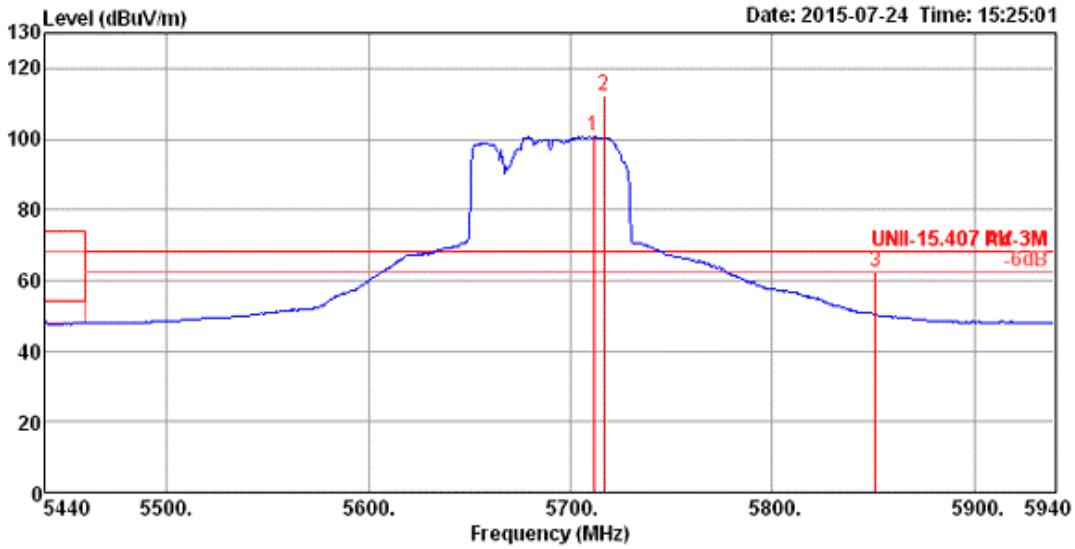
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.55	62.40	74.00	-11.60	54.64	6.60	34.22	33.06	176	301	Peak	HORIZONTAL
2	5456.15	49.13	54.00	-4.87	41.37	6.60	34.22	33.06	176	301	Average	HORIZONTAL
3	5470.00	61.70	68.20	-6.50	53.91	6.60	34.25	33.06	176	301	Peak	HORIZONTAL
4	5578.75	99.28			91.31	6.72	34.34	33.09	176	301	Average	HORIZONTAL
5	5586.76	112.13			104.15	6.72	34.35	33.09	176	301	Peak	HORIZONTAL
6	5726.99	66.85	68.20	-1.35	58.72	6.83	34.43	33.13	176	301	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5610 MHz.

Channel 138



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5711.64	100.64			92.52	6.83	34.42	33.13	172	297	Average	HORIZONTAL
2	5716.44	112.37			104.25	6.83	34.42	33.13	172	297	Peak	HORIZONTAL
3	5851.06	62.33	68.20	-5.87	54.04	6.95	34.51	33.17	172	297	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

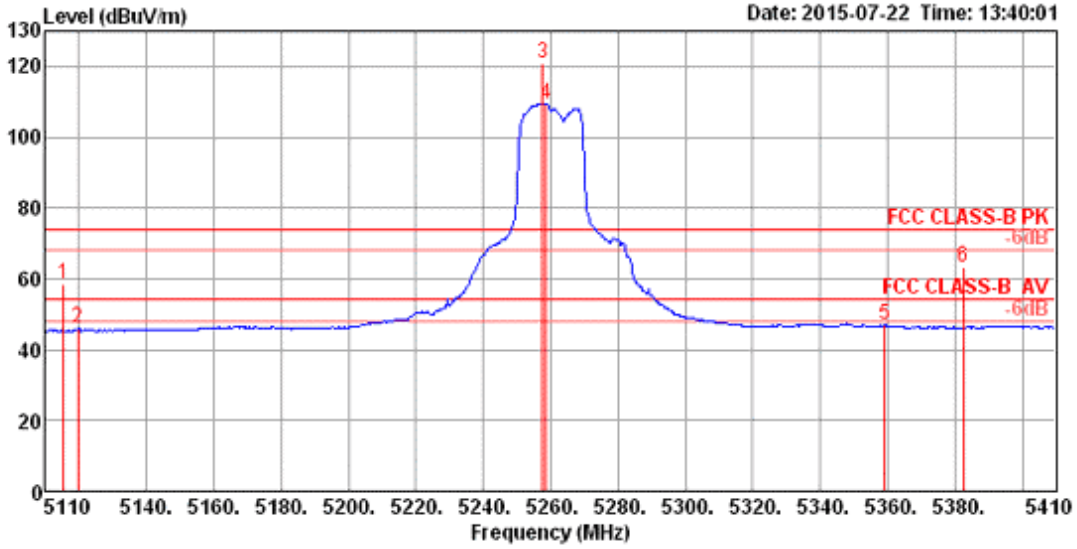
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 4 + Chain 5 + Chain 6

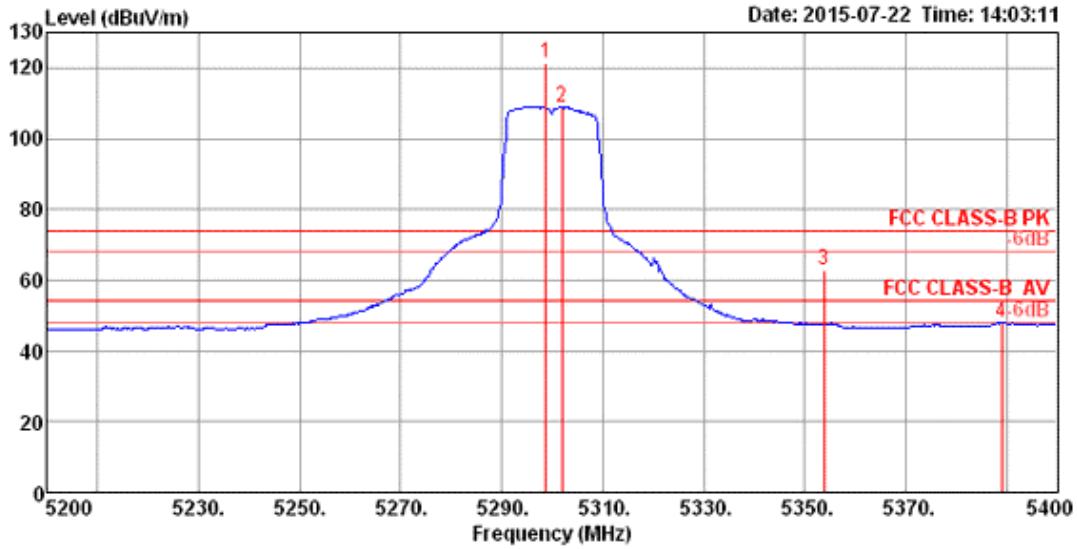
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5115.29	58.29	74.00	-15.71	51.51	6.14	33.69	33.05	181	53	Peak	HORIZONTAL
2	5119.62	45.87	54.00	-8.13	39.06	6.17	33.69	33.05	181	53	Average	HORIZONTAL
3	5257.60	120.96			113.78	6.34	33.90	33.06	181	53	Peak	HORIZONTAL
4	5258.56	109.53			102.32	6.34	33.93	33.06	181	53	Average	HORIZONTAL
5	5359.04	46.86	54.00	-7.14	39.39	6.47	34.06	33.06	181	53	Average	HORIZONTAL
6	5382.60	63.53	74.00	-10.47	55.98	6.50	34.11	33.06	181	53	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

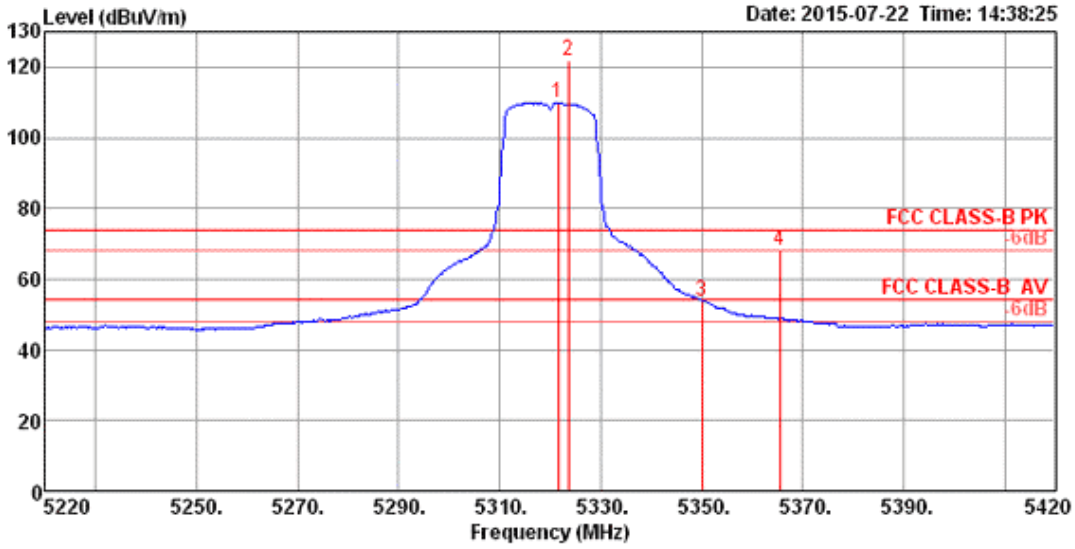
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5298.72	121.29			113.97	6.40	33.98	33.06	190	60	Peak	HORIZONTAL
2	5301.92	108.94			101.62	6.40	33.98	33.06	190	60	Average	HORIZONTAL
3	5353.85	62.78	74.00	-11.22	55.31	6.47	34.06	33.06	190	60	Peak	HORIZONTAL
4	5389.10	47.87	54.00	-6.13	40.32	6.50	34.11	33.06	190	60	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

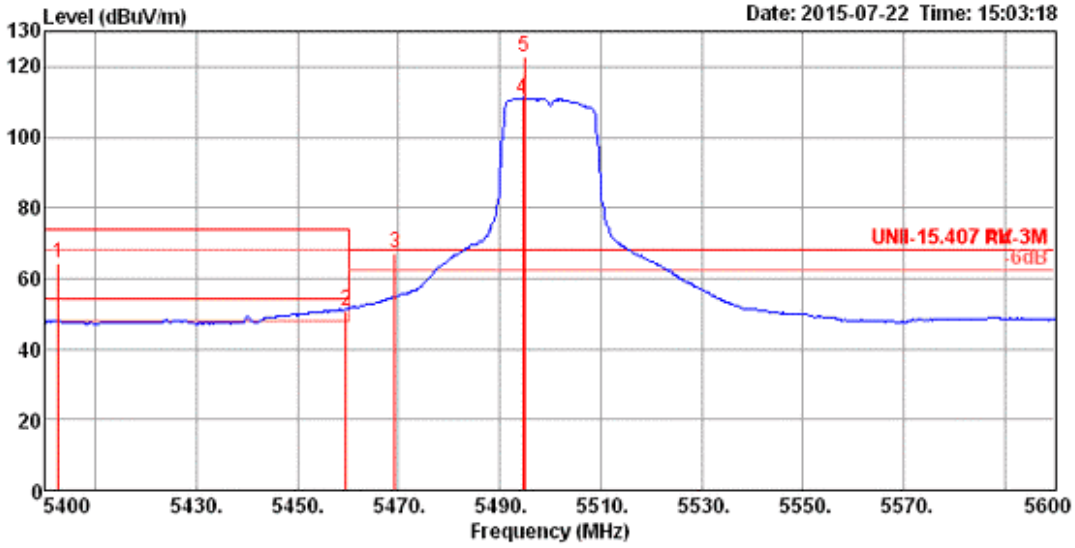


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5321.60	109.83			102.48	6.40	34.01	33.06	165	292	Average	HORIZONTAL
2	5323.53	121.94			114.56	6.43	34.01	33.06	165	292	Peak	HORIZONTAL
3	5350.00	53.95	54.00	-0.05	46.48	6.47	34.06	33.06	165	292	Average	HORIZONTAL
4	5365.51	68.14	74.00	-5.86	60.64	6.47	34.09	33.06	165	292	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140, 144 / Chain 4 + Chain 5 + Chain 6

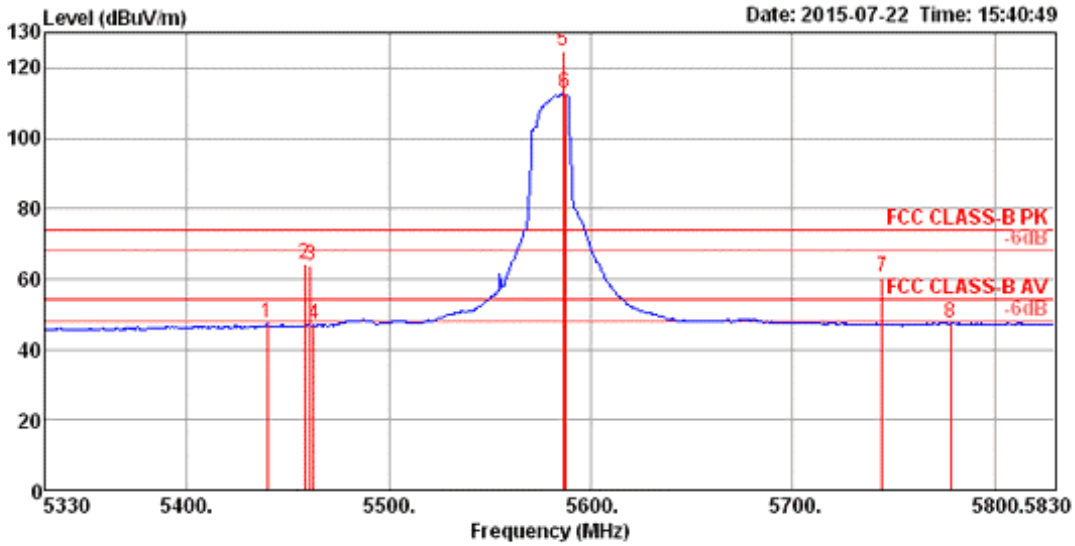
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5402.56	64.31	74.00	-9.69	56.70	6.53	34.14	33.06	175	299	Peak	HORIZONTAL
2	5459.62	51.05	54.00	-2.95	43.29	6.60	34.22	33.06	175	299	Average	HORIZONTAL
3	5469.23	67.22	68.20	-0.98	59.43	6.60	34.25	33.06	175	299	Peak	HORIZONTAL
4	5494.55	111.03			103.19	6.63	34.27	33.06	175	299	Average	HORIZONTAL
5	5494.87	122.78			114.94	6.63	34.27	33.06	175	299	Peak	HORIZONTAL

Item 4, 5 are the fundamental frequency at 5500 MHz.

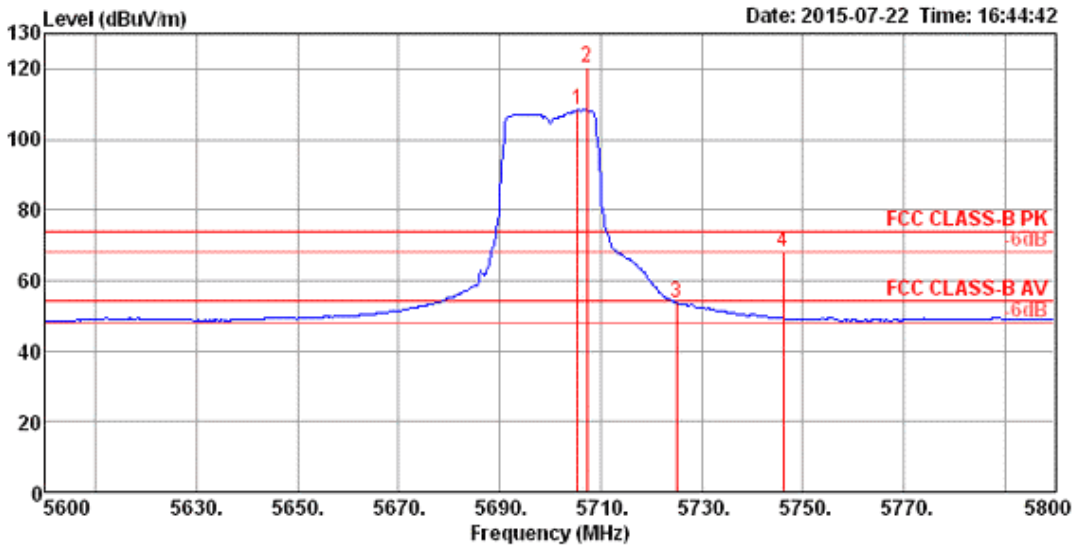
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5439.78	47.37	54.00	-6.63	39.68	6.56	34.19	33.06	191	298	Average	HORIZONTAL
2	5458.21	64.05	74.00	-9.95	56.29	6.60	34.22	33.06	191	298	Peak	HORIZONTAL
3	5461.19	63.89	74.00	-10.11	56.13	6.60	34.22	33.06	191	298	Peak	HORIZONTAL
4	5463.00	46.88	54.00	-7.12	39.09	6.60	34.25	33.06	191	298	Average	HORIZONTAL
5	5586.41	124.55			116.57	6.72	34.35	33.09	191	298	Peak	HORIZONTAL
6	5587.21	112.50			104.52	6.72	34.35	33.09	191	298	Average	HORIZONTAL
7	5744.26	60.66	74.00	-13.34	52.50	6.86	34.44	33.14	191	298	Peak	HORIZONTAL
8	5778.50	47.57	54.00	-6.43	39.37	6.88	34.47	33.15	191	298	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

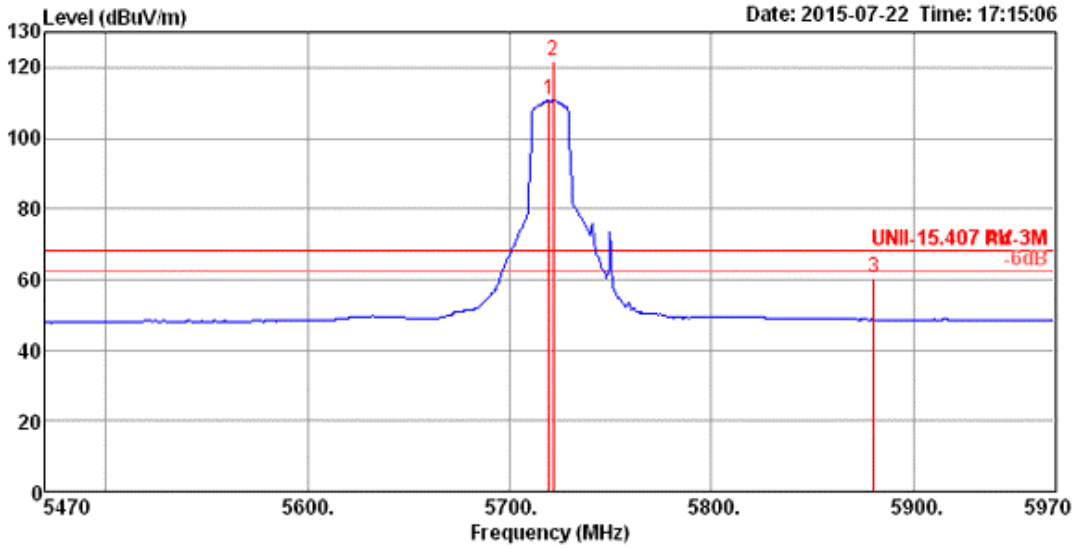
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5705.45	108.38			100.26	6.83	34.42	33.13	160	300	Average	HORIZONTAL
2	5707.37	120.57			112.45	6.83	34.42	33.13	160	300	Peak	HORIZONTAL
3	5725.00	53.74	54.00	-0.26	45.61	6.83	34.43	33.13	160	300	Average	HORIZONTAL
4	5746.15	68.29	74.00	-5.71	60.13	6.86	34.44	33.14	160	300	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

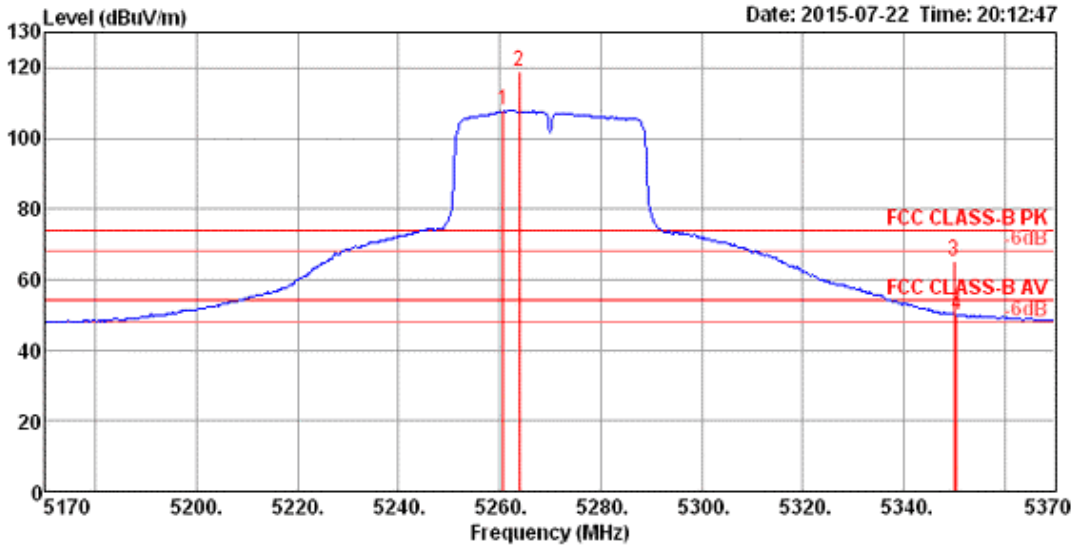


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5719.20	110.80			102.67	6.83	34.43	33.13	162	295	Average	HORIZONTAL
2	5721.60	121.89			113.76	6.83	34.43	33.13	162	295	Peak	HORIZONTAL
3	5880.26	60.29	68.20	-7.91	51.97	6.97	34.53	33.18	162	295	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 4 + Chain 5 + Chain 6

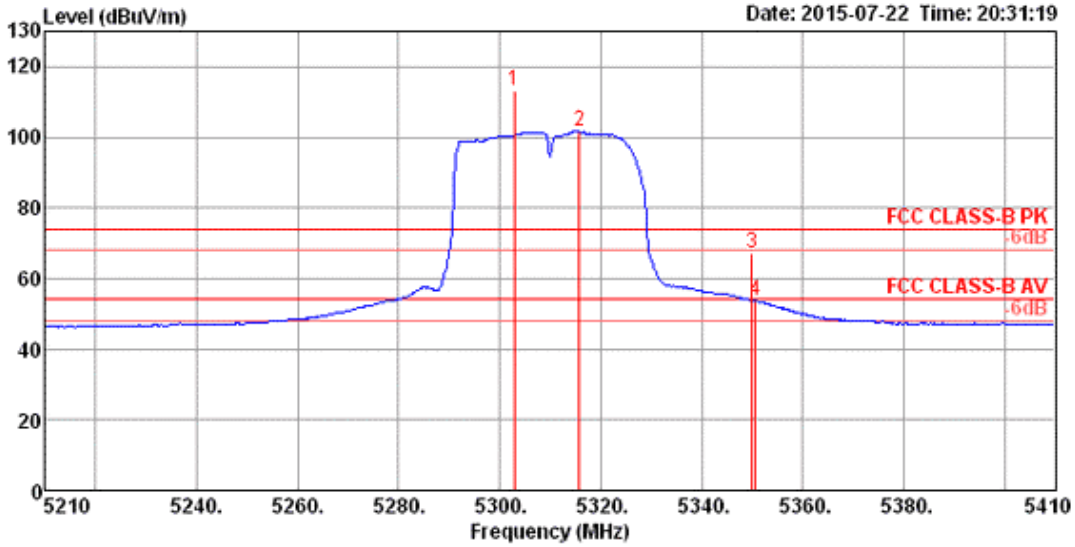
Channel 54



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5260.71	107.78			100.57	6.34	33.93	33.06	188	295	Average	HORIZONTAL
2	5263.91	118.84			111.63	6.34	33.93	33.06	188	295	Peak	HORIZONTAL
3	5350.00	65.00	74.00	-9.00	57.53	6.47	34.06	33.06	188	295	Peak	HORIZONTAL
4	5350.45	50.12	54.00	-3.88	42.65	6.47	34.06	33.06	188	295	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

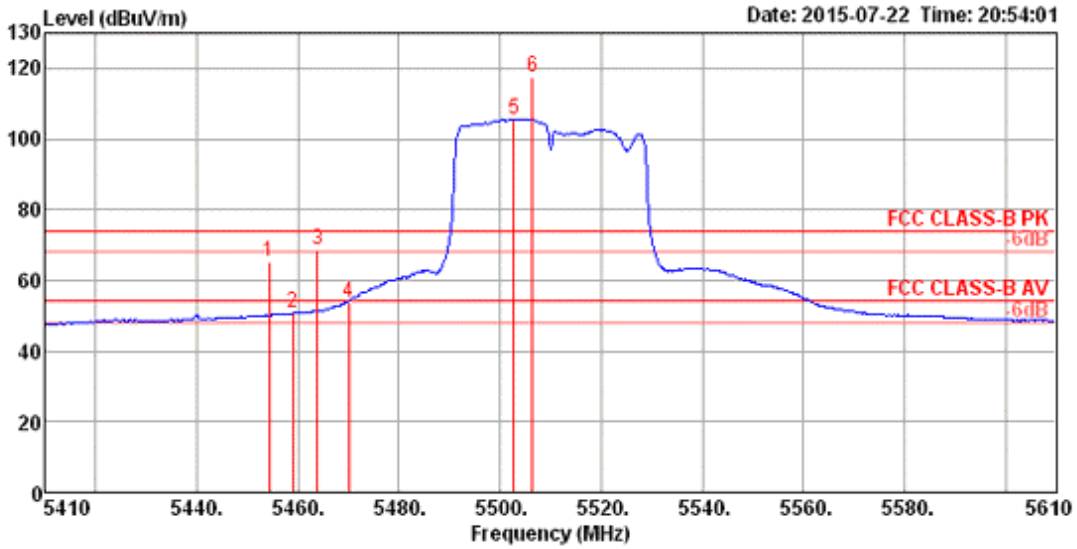


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5302.95	113.27			105.95	6.40	33.98	33.06	180	296	Peak	HORIZONTAL
2	5315.77	101.67			94.32	6.40	34.01	33.06	180	296	Average	HORIZONTAL
3	5350.00	67.07	74.00	-6.93	59.60	6.47	34.06	33.06	180	296	Peak	HORIZONTAL
4	5350.71	53.70	54.00	-0.30	46.23	6.47	34.06	33.06	180	296	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134, 142 / Chain 4 + Chain 5 + Chain 6

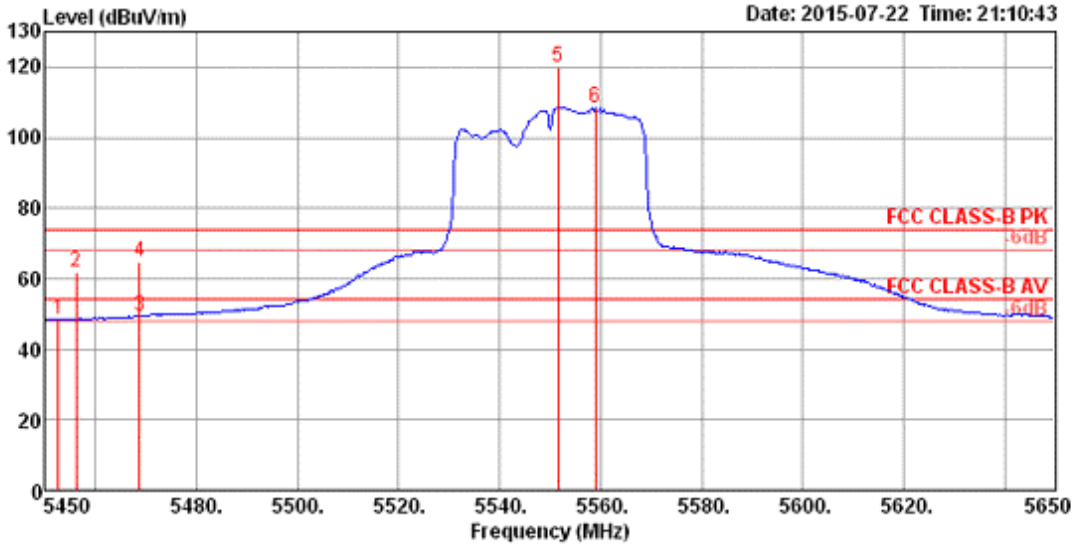
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.23	65.08	74.00	-8.92	57.32	6.60	34.22	33.06	180	291	Peak	HORIZONTAL
2	5459.04	50.65	54.00	-3.35	42.89	6.60	34.22	33.06	180	291	Average	HORIZONTAL
3	5463.85	68.45	74.00	-5.55	60.66	6.60	34.25	33.06	180	291	Peak	HORIZONTAL
4	5470.00	53.91	54.00	-0.09	46.12	6.60	34.25	33.06	180	291	Average	HORIZONTAL
5	5502.63	105.75			97.87	6.65	34.30	33.07	180	291	Average	HORIZONTAL
6	5506.47	117.35			109.47	6.65	34.30	33.07	180	291	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

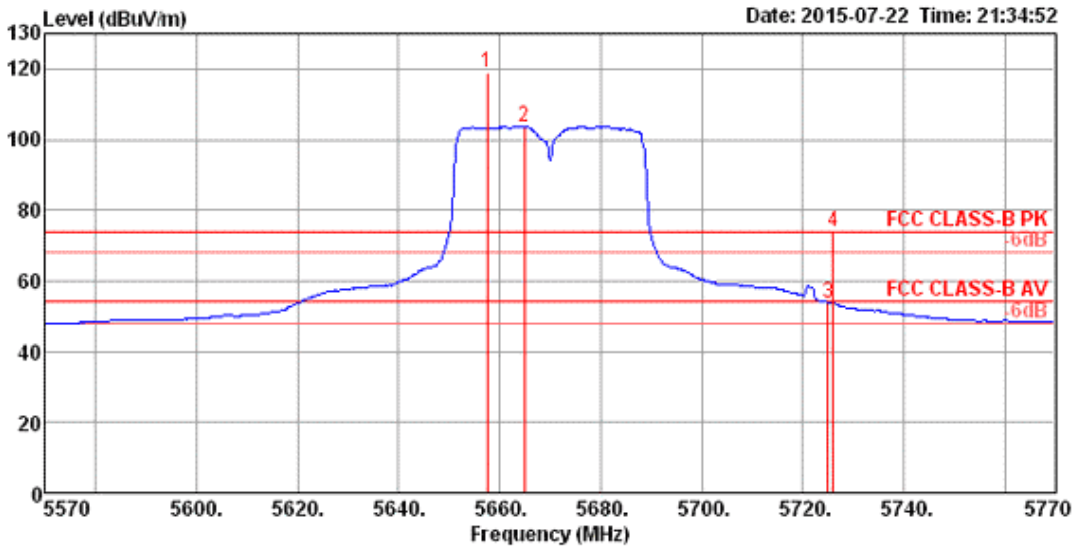
Channel 110



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.56	48.60	54.00	-5.40	40.84	6.60	34.22	33.06	181	291	Average	HORIZONTAL
2	5456.09	61.87	74.00	-12.13	54.11	6.60	34.22	33.06	181	291	Peak	HORIZONTAL
3	5468.59	49.40	54.00	-4.60	41.61	6.60	34.25	33.06	181	291	Average	HORIZONTAL
4	5468.59	64.55	74.00	-9.45	56.76	6.60	34.25	33.06	181	291	Peak	HORIZONTAL
5	5551.60	119.95			112.02	6.68	34.33	33.08	181	291	Peak	HORIZONTAL
6	5558.97	108.57			100.62	6.70	34.33	33.08	181	291	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

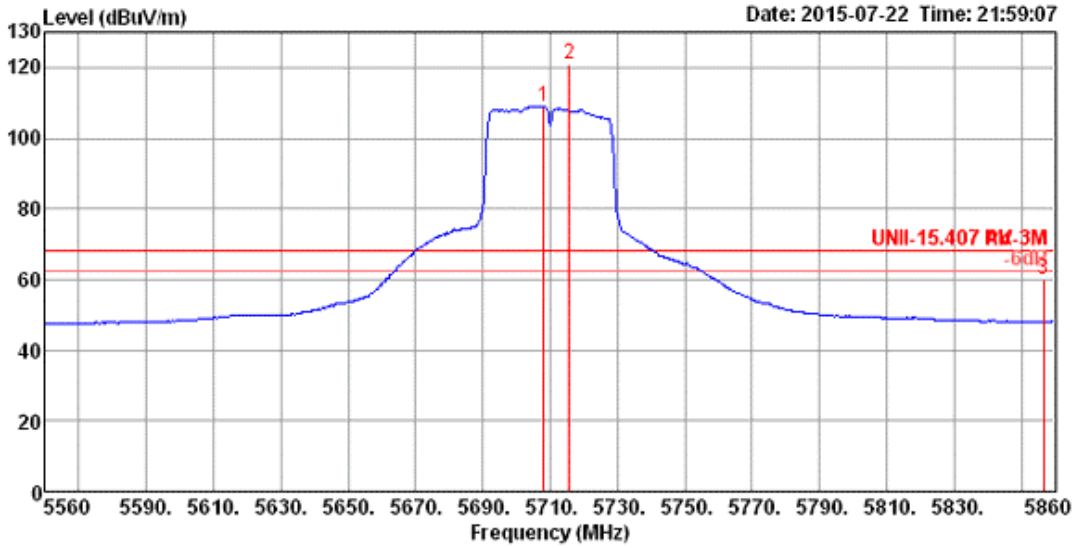
Channel 134



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5657.50	118.83			110.77	6.79	34.39	33.12	173	295	Peak	HORIZONTAL
2	5664.87	103.74			95.68	6.79	34.39	33.12	173	295	Average	HORIZONTAL
3	5725.00	53.85	54.00	-0.15	45.72	6.83	34.43	33.13	173	295	Average	HORIZONTAL
4	5726.09	73.76	74.00	-0.24	65.63	6.83	34.43	33.13	173	295	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Channel 142

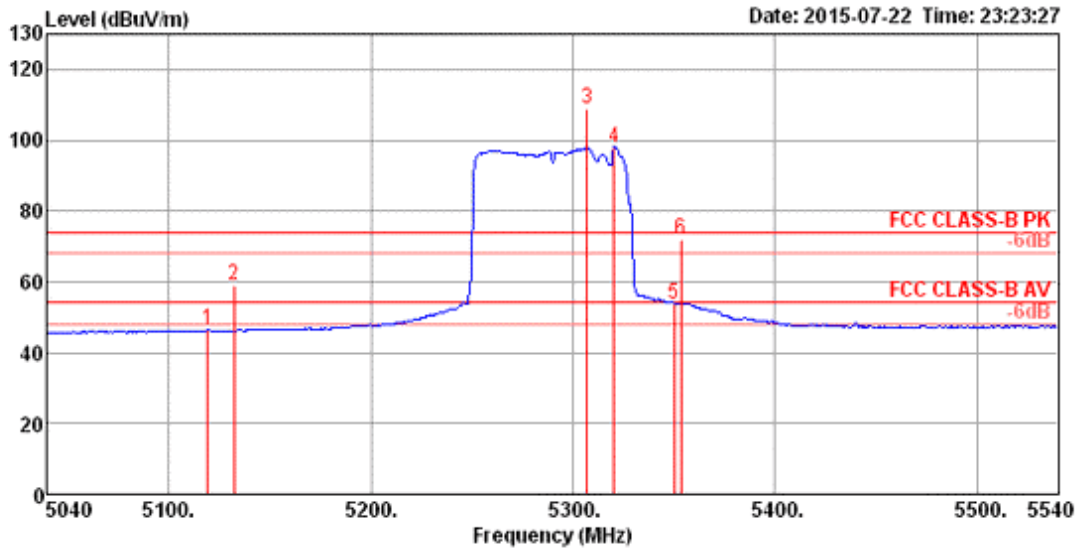


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5708.08	109.02			100.90	6.83	34.42	33.13	170	302	Average	HORIZONTAL
2	5715.77	120.98			112.86	6.83	34.42	33.13	170	302	Peak	HORIZONTAL
3	5856.64	59.84	68.20	-8.36	51.54	6.95	34.52	33.17	170	302	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122, 138 / Chain 4 + Chain 5 + Chain 6

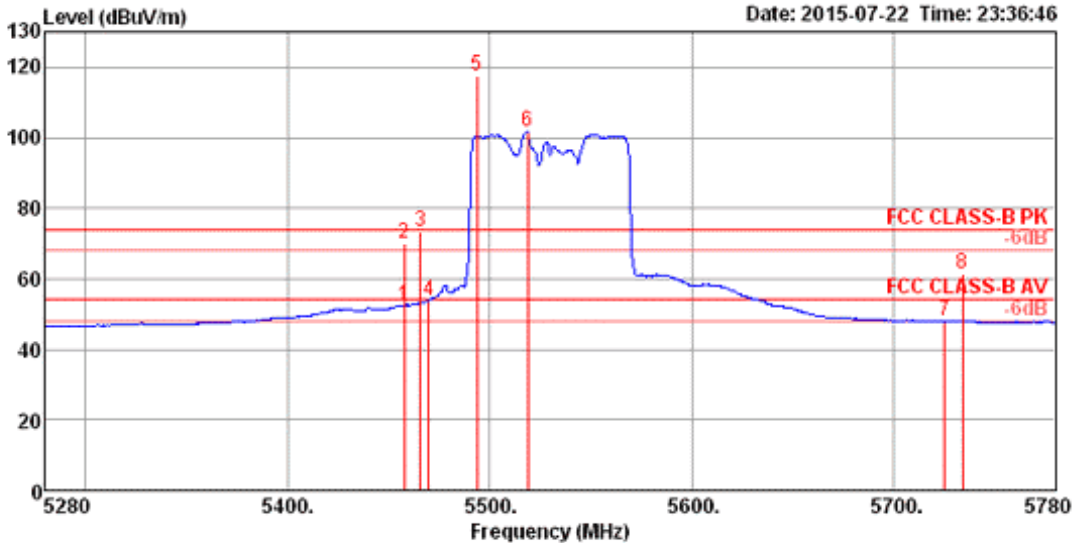
Channel 58



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5119.33	46.53	54.00	-7.47	39.72	6.17	33.69	33.05	181	292	Average	HORIZONTAL
2	5132.15	58.86	74.00	-15.14	52.03	6.17	33.71	33.05	181	292	Peak	HORIZONTAL
3	5306.83	108.92			101.60	6.40	33.98	33.06	181	292	Peak	HORIZONTAL
4	5320.45	98.07			90.72	6.40	34.01	33.06	181	292	Average	HORIZONTAL
5	5350.00	53.82	54.00	-0.18	46.35	6.47	34.06	33.06	181	292	Average	HORIZONTAL
6	5353.30	71.84	74.00	-2.16	64.37	6.47	34.06	33.06	181	292	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

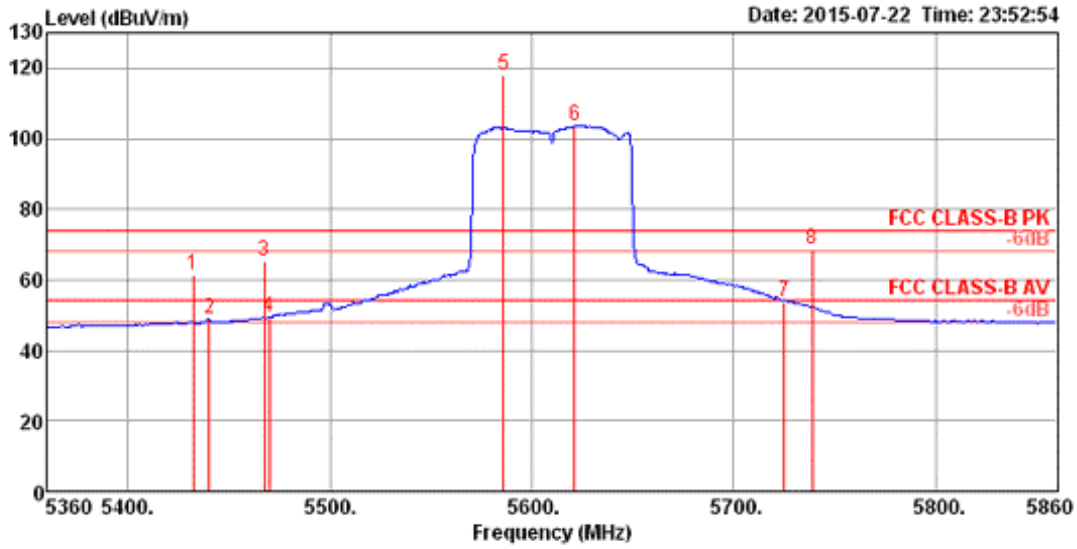
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.89	52.51	54.00	-1.49	44.75	6.60	34.22	33.06	181	289	Average	HORIZONTAL
2	5457.89	70.00	74.00	-4.00	62.24	6.60	34.22	33.06	181	289	Peak	HORIZONTAL
3	5465.90	73.24	74.00	-0.76	65.45	6.60	34.25	33.06	181	289	Peak	HORIZONTAL
4	5470.00	53.90	54.00	-0.10	46.11	6.60	34.25	33.06	181	289	Average	HORIZONTAL
5	5493.94	117.62			109.78	6.63	34.27	33.06	181	289	Peak	HORIZONTAL
6	5518.78	101.62			93.73	6.65	34.31	33.07	181	289	Average	HORIZONTAL
7	5725.51	47.99	54.00	-6.01	39.86	6.83	34.43	33.13	181	289	Average	HORIZONTAL
8	5734.33	61.22	74.00	-12.78	53.07	6.86	34.43	33.14	181	289	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

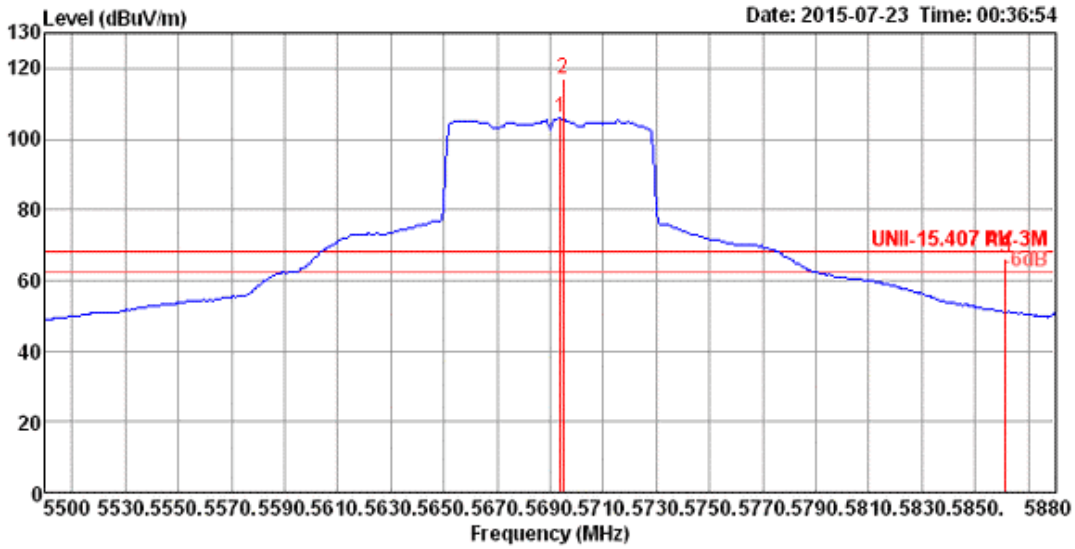
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5432.12	61.41	74.00	-12.59	53.72	6.56	34.19	33.06	185	298	Peak	HORIZONTAL
2	5440.13	48.75	54.00	-5.25	41.06	6.56	34.19	33.06	185	298	Average	HORIZONTAL
3	5467.37	65.40	74.00	-8.60	57.61	6.60	34.25	33.06	185	298	Peak	HORIZONTAL
4	5470.00	49.42	54.00	-4.58	41.63	6.60	34.25	33.06	185	298	Average	HORIZONTAL
5	5585.96	118.10			110.12	6.72	34.35	33.09	185	298	Peak	HORIZONTAL
6	5621.22	103.53			95.52	6.74	34.37	33.10	185	298	Average	HORIZONTAL
7	5725.00	53.91	54.00	-0.09	45.78	6.83	34.43	33.13	185	298	Average	HORIZONTAL
8	5739.01	68.68	74.00	-5.32	60.52	6.86	34.44	33.14	185	298	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 138



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5694.01	105.91			97.81	6.81	34.41	33.12	170	298	Average	HORIZONTAL
2	5694.81	116.94			108.84	6.81	34.41	33.12	170	298	Peak	HORIZONTAL
3	5861.47	65.98	68.20	-2.22	57.67	6.97	34.52	33.18	170	298	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

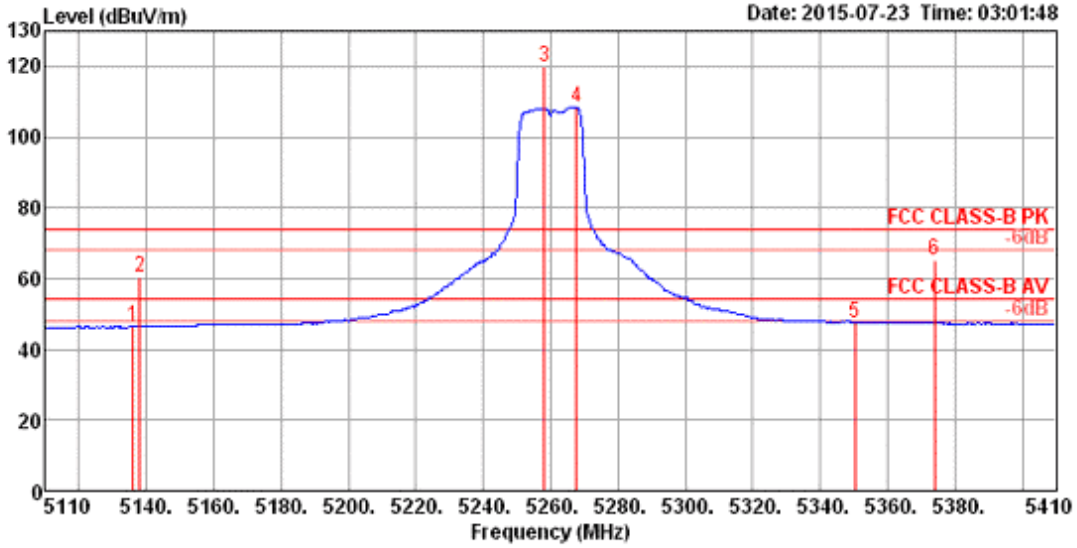
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

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

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 52, 60, 64 / Chain 4 + Chain 5 + Chain 6

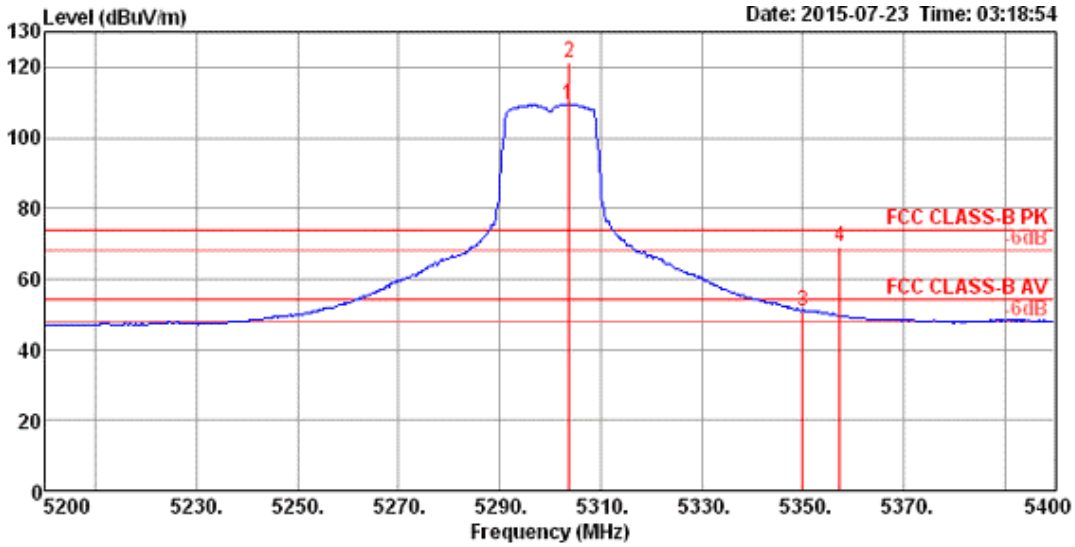
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5135.96	46.58	54.00	-7.42	39.75	6.17	33.71	33.05	186	70	Average	HORIZONTAL
2	5137.98	60.46	74.00	-13.54	53.63	6.17	33.71	33.05	186	70	Peak	HORIZONTAL
3	5258.08	120.06			112.88	6.34	33.90	33.06	186	70	Peak	HORIZONTAL
4	5267.69	108.48			101.27	6.34	33.93	33.06	186	70	Average	HORIZONTAL
5	5350.39	47.67	54.00	-6.33	40.20	6.47	34.06	33.06	186	70	Average	HORIZONTAL
6	5373.94	65.01	74.00	-8.99	57.48	6.50	34.09	33.06	186	70	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

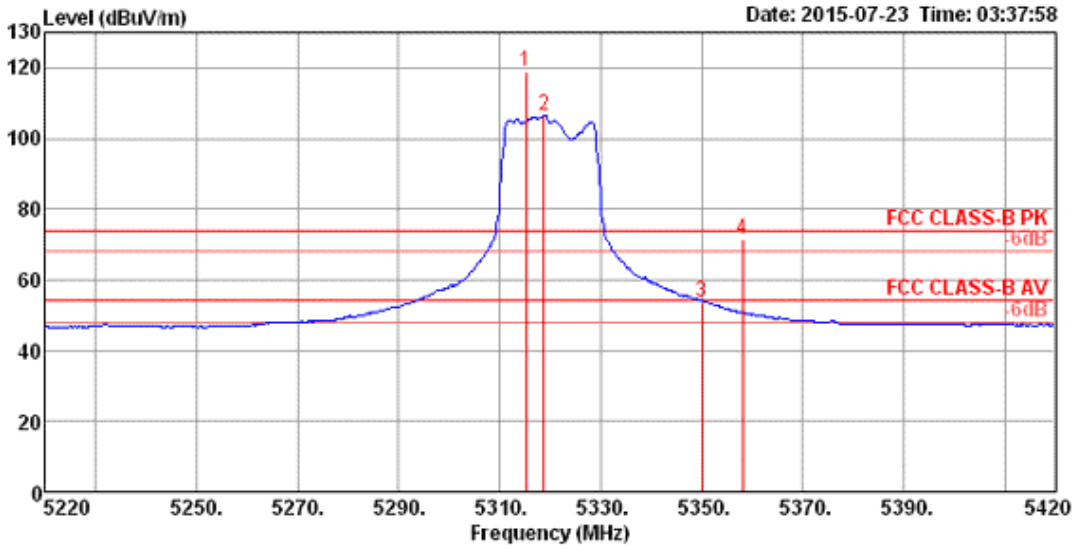
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5303.53	109.50			102.18	6.40	33.98	33.06	177	70	Average	HORIZONTAL
2	5303.85	121.47			114.15	6.40	33.98	33.06	177	70	Peak	HORIZONTAL
3	5350.00	51.06	54.00	-2.94	43.59	6.47	34.06	33.06	177	70	Average	HORIZONTAL
4	5357.37	68.94	74.00	-5.06	61.47	6.47	34.06	33.06	177	70	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

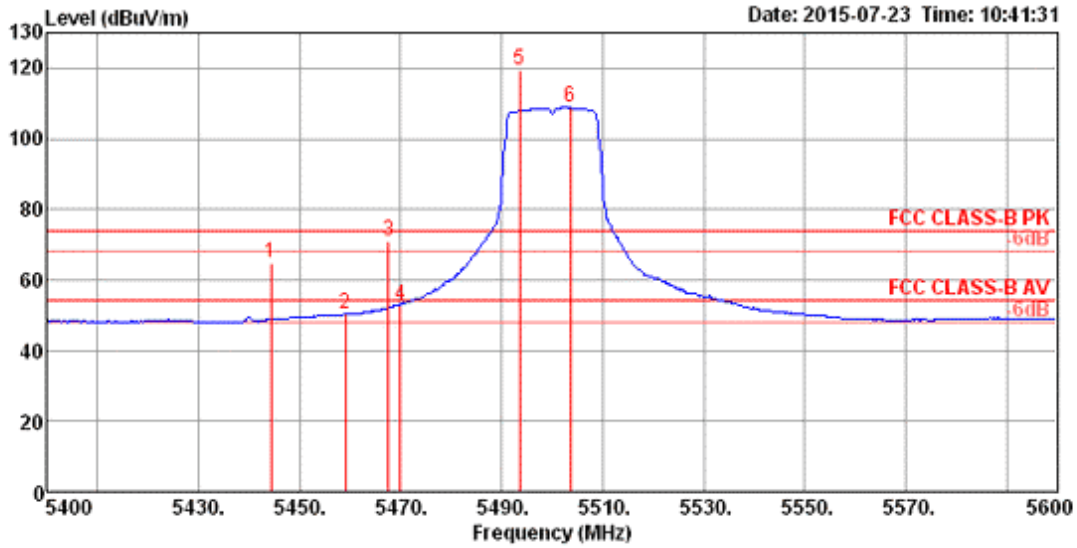


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5315.19	119.03			111.68	6.40	34.01	33.06	167	295	Peak	HORIZONTAL
2	5318.72	106.35			99.00	6.40	34.01	33.06	167	295	Average	HORIZONTAL
3	5350.00	53.66	54.00	-0.34	46.19	6.47	34.06	33.06	167	295	Average	HORIZONTAL
4	5358.14	71.63	74.00	-2.37	64.16	6.47	34.06	33.06	167	295	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 100, 116, 140, 144 / Chain 4 + Chain 5 + Chain 6

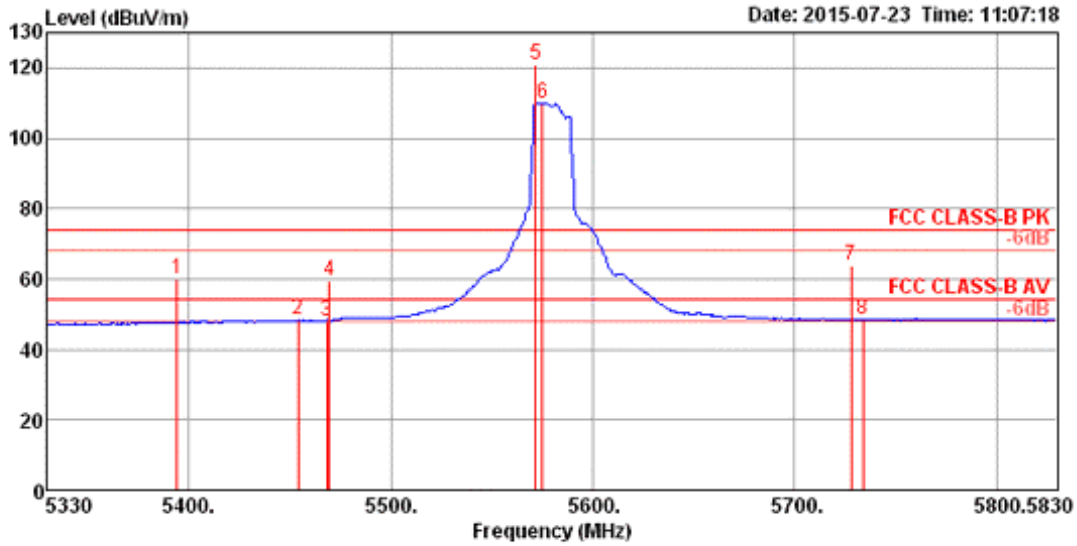
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5444.23	64.61	74.00	-9.39	56.92	6.56	34.19	33.06	176	301	Peak	HORIZONTAL
2	5458.97	50.26	54.00	-3.74	42.50	6.60	34.22	33.06	176	301	Average	HORIZONTAL
3	5467.63	71.16	74.00	-2.84	63.37	6.60	34.25	33.06	176	301	Peak	HORIZONTAL
4	5470.00	52.96	54.00	-1.04	45.17	6.60	34.25	33.06	176	301	Average	HORIZONTAL
5	5493.59	119.59			111.75	6.63	34.27	33.06	176	301	Peak	HORIZONTAL
6	5503.53	108.82			100.94	6.65	34.30	33.07	176	301	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

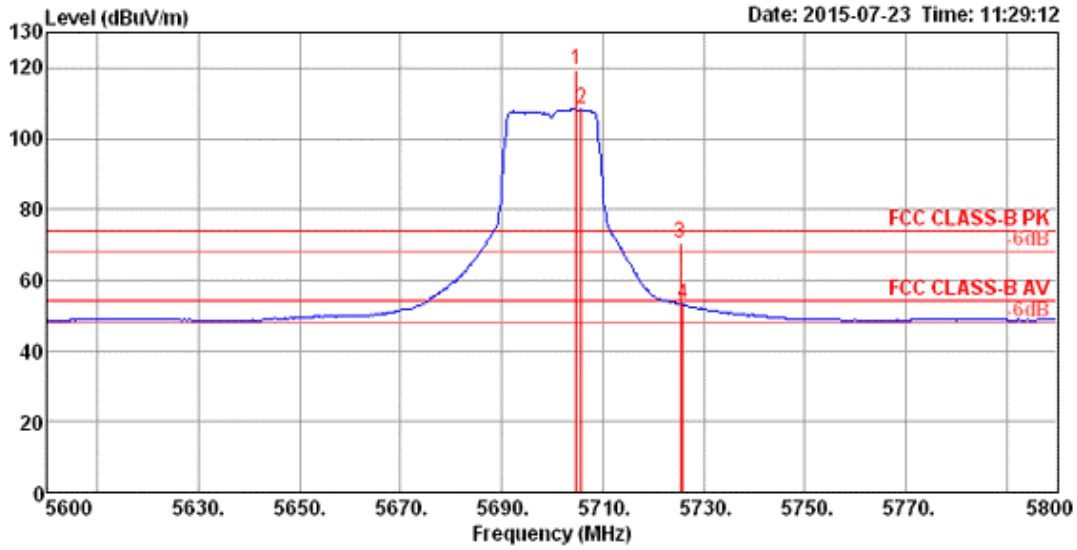
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5394.10	60.05	74.00	-13.95	52.50	6.50	34.11	33.06	180	70	Peak	HORIZONTAL
2	5454.20	48.24	54.00	-5.76	40.48	6.60	34.22	33.06	180	70	Average	HORIZONTAL
3	5468.40	48.21	54.00	-5.79	40.42	6.60	34.25	33.06	180	70	Average	HORIZONTAL
4	5469.62	59.51	74.00	-14.49	51.72	6.60	34.25	33.06	180	70	Peak	HORIZONTAL
5	5571.99	120.82			112.86	6.70	34.34	33.08	180	70	Peak	HORIZONTAL
6	5575.19	109.82			101.86	6.70	34.34	33.08	180	70	Average	HORIZONTAL
7	5728.24	63.74	74.00	-10.26	55.61	6.83	34.43	33.13	180	70	Peak	HORIZONTAL
8	5733.85	48.63	54.00	-5.37	40.48	6.86	34.43	33.14	180	70	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

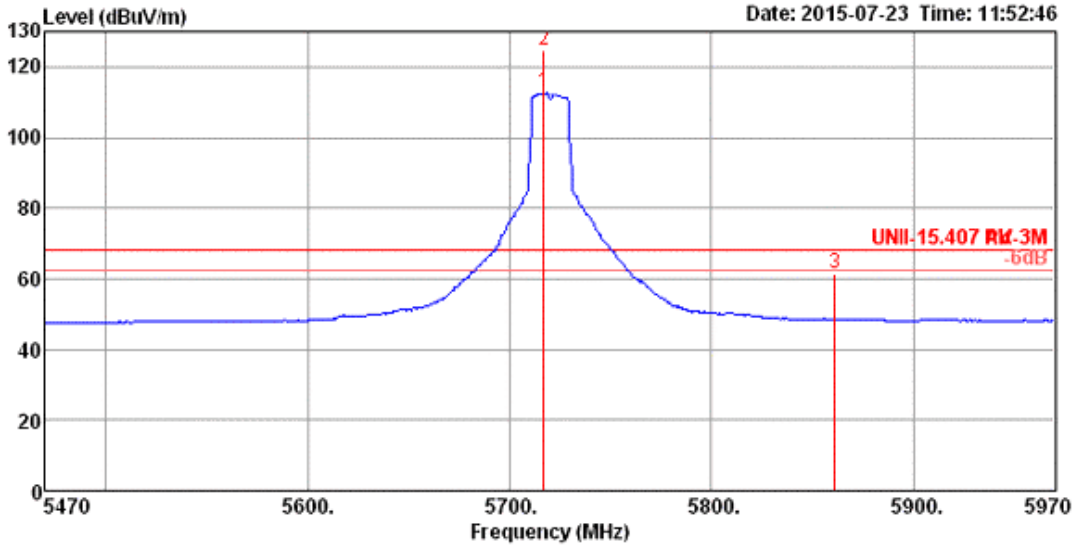
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5704.81	119.27			111.15	6.83	34.42	33.13	172	300	Peak	HORIZONTAL
2	5705.77	108.30			100.18	6.83	34.42	33.13	172	300	Average	HORIZONTAL
3	5725.32	70.65	74.00	-3.35	62.52	6.83	34.43	33.13	172	300	Peak	HORIZONTAL
4	5725.96	53.28	54.00	-0.72	45.15	6.83	34.43	33.13	172	300	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

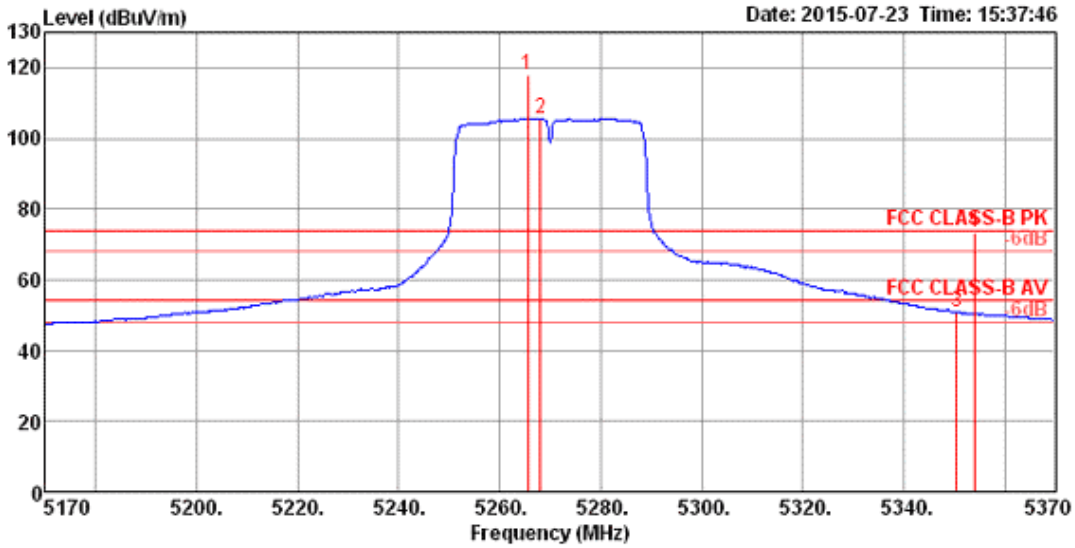


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5716.80	112.51			104.39	6.83	34.42	33.13	178	299	Average	HORIZONTAL
2	5716.80	124.64			116.52	6.83	34.42	33.13	178	299	Peak	HORIZONTAL
3	5861.03	61.28	68.20	-6.92	52.97	6.97	34.52	33.18	178	299	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 54, 62 / Chain 4 + Chain 5 + Chain 6

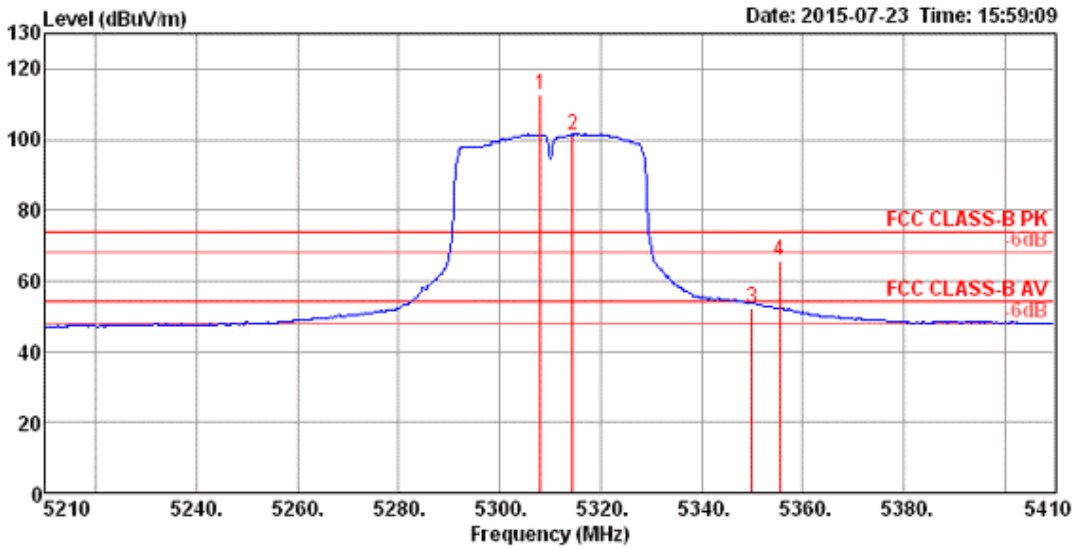
Channel 54



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5265.51	117.83			110.62	6.34	33.93	33.06	168	296	Peak	HORIZONTAL
2	5268.08	105.61			98.40	6.34	33.93	33.06	168	296	Average	HORIZONTAL
3	5350.45	50.93	54.00	-3.07	43.46	6.47	34.06	33.06	168	296	Average	HORIZONTAL
4	5353.97	73.46	74.00	-0.54	65.99	6.47	34.06	33.06	168	296	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

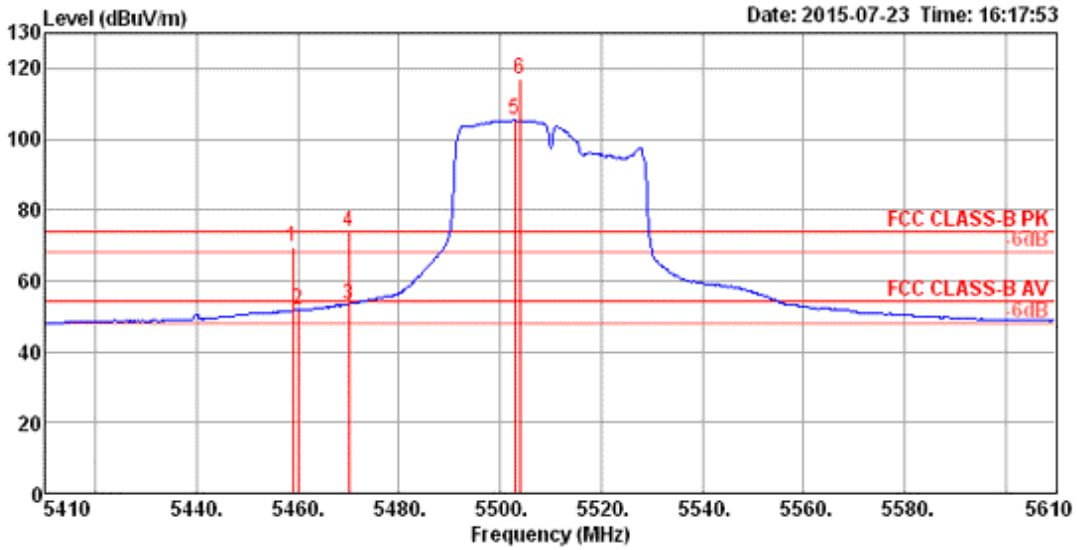


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5308.08	112.83			105.51	6.40	33.98	33.06	181	300	Peak	HORIZONTAL
2	5314.49	101.31			93.96	6.40	34.01	33.06	181	300	Average	HORIZONTAL
3	5350.00	52.48	54.00	-1.52	45.01	6.47	34.06	33.06	181	300	Average	HORIZONTAL
4	5355.51	65.56	74.00	-8.44	58.09	6.47	34.06	33.06	181	300	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 102, 110, 134, 142 / Chain 4 + Chain 5 + Chain 6

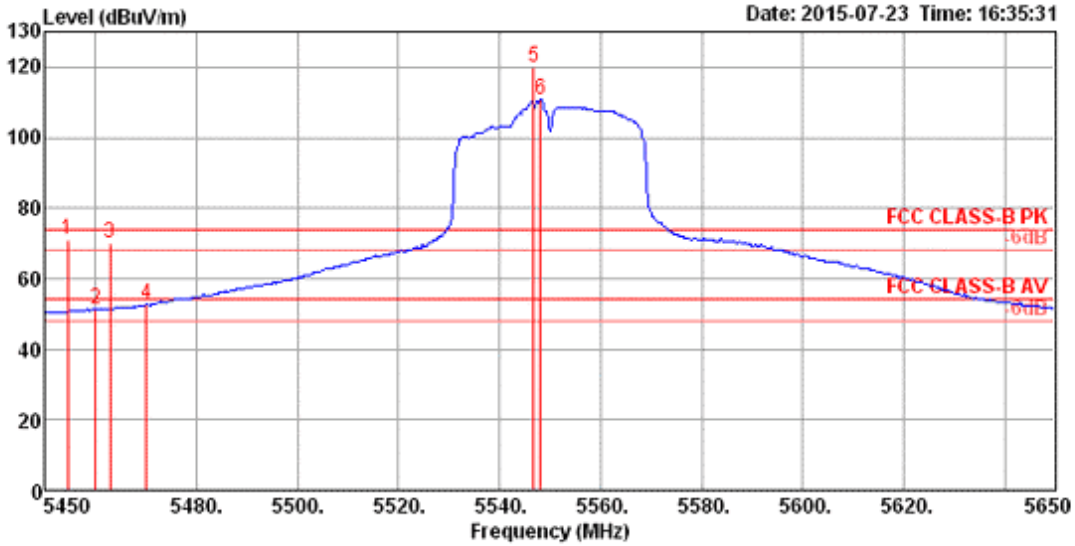
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5459.04	69.41	74.00	-4.59	61.65	6.60	34.22	33.06	156	300	Peak	HORIZONTAL
2	5460.00	51.67	54.00	-2.33	43.91	6.60	34.22	33.06	156	300	Average	HORIZONTAL
3	5470.00	53.44	54.00	-0.56	45.65	6.60	34.25	33.06	156	300	Average	HORIZONTAL
4	5470.00	73.81	74.00	-0.19	66.02	6.60	34.25	33.06	156	300	Peak	HORIZONTAL
5	5502.95	105.42			97.54	6.65	34.30	33.07	156	300	Average	HORIZONTAL
6	5503.91	116.88			109.00	6.65	34.30	33.07	156	300	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

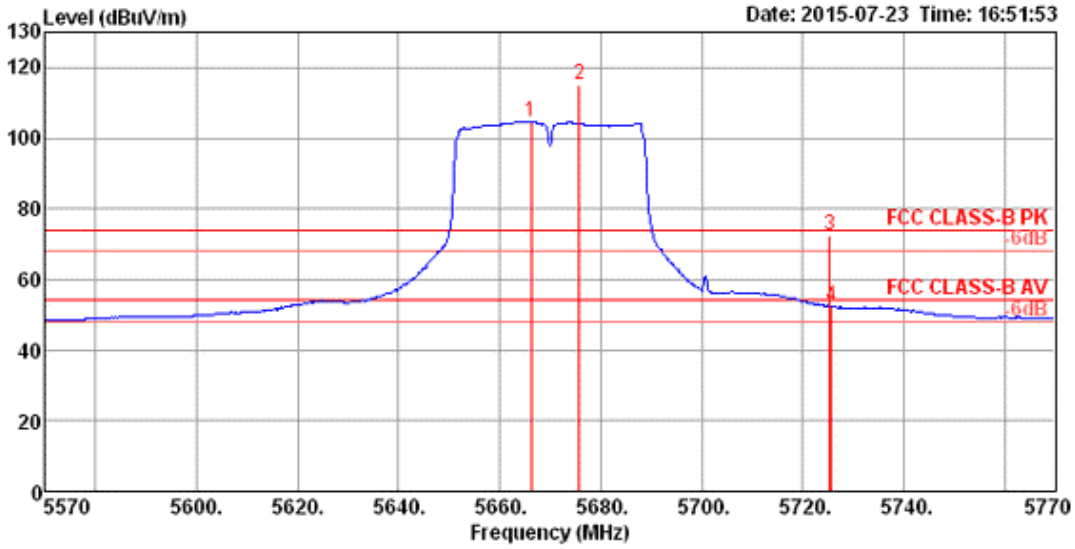
Channel 110



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5454.49	71.15	74.00	-2.85	63.39	6.60	34.22	33.06	189	303	Peak	HORIZONTAL
2	5460.00	51.43	54.00	-2.57	43.67	6.60	34.22	33.06	189	303	Average	HORIZONTAL
3	5462.82	69.91	74.00	-4.09	62.12	6.60	34.25	33.06	189	303	Peak	HORIZONTAL
4	5470.00	52.65	54.00	-1.35	44.86	6.60	34.25	33.06	189	303	Average	HORIZONTAL
5	5546.80	119.93			112.01	6.68	34.32	33.08	189	303	Peak	HORIZONTAL
6	5548.00	111.00			103.07	6.68	34.33	33.08	189	303	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

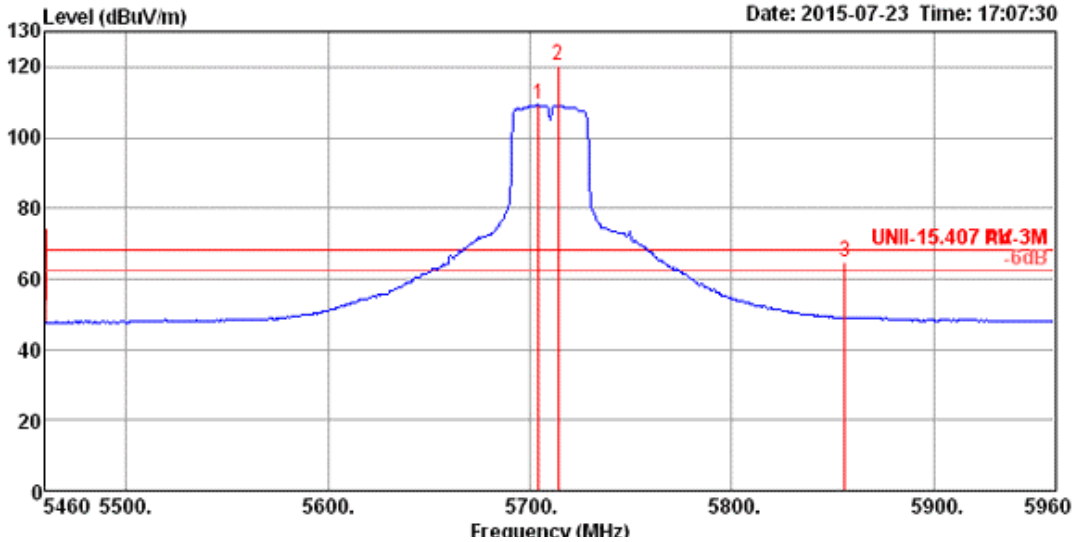
Channel 134



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5666.15	104.70			96.64	6.79	34.39	33.12	172	296	Average	HORIZONTAL
2	5675.77	115.16			107.09	6.79	34.40	33.12	172	296	Peak	HORIZONTAL
3	5725.45	72.39	74.00	-1.61	64.26	6.83	34.43	33.13	172	296	Peak	HORIZONTAL
4	5725.77	52.36	54.00	-1.64	44.23	6.83	34.43	33.13	172	296	Average	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Channel 142

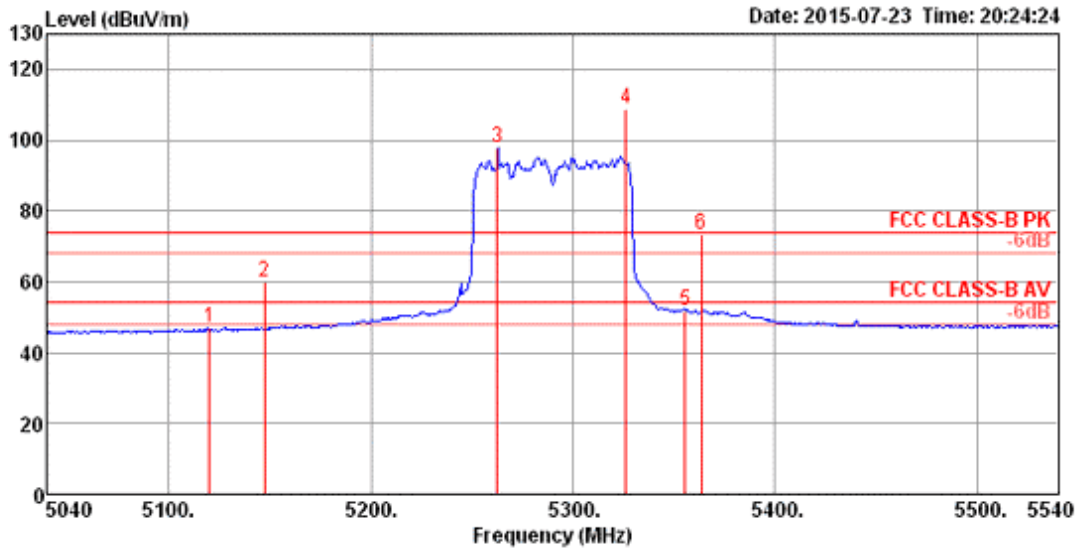


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5704.39	109.28			101.17	6.81	34.42	33.12	168	298	Average	HORIZONTAL
2	5714.01	120.38			112.26	6.83	34.42	33.13	168	298	Peak	HORIZONTAL
3	5855.83	64.83	68.20	-3.37	56.53	6.95	34.52	33.17	168	298	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 58, 106, 122, 138 / Chain 4 + Chain 5 + Chain 6

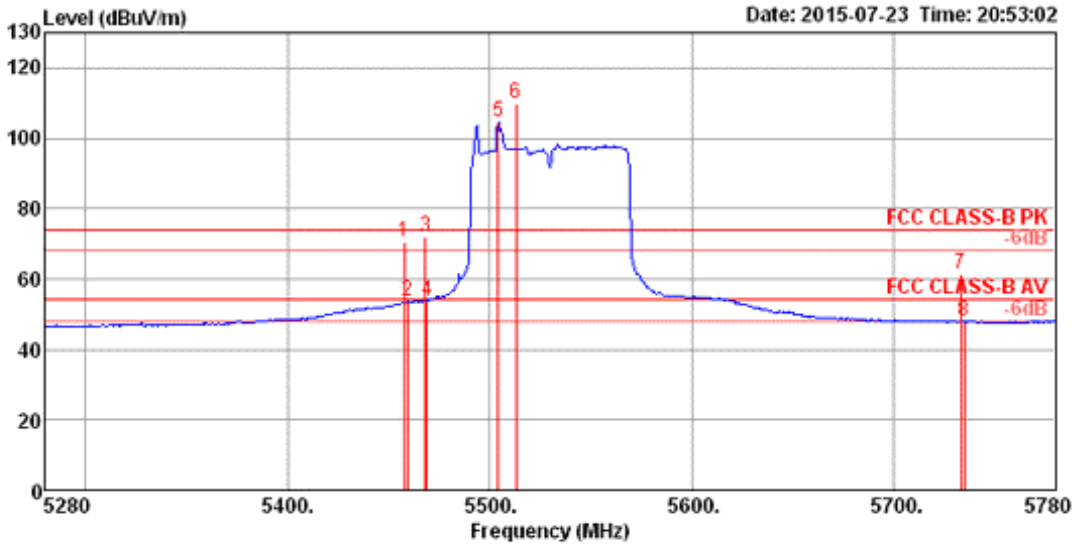
Channel 58



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5120.13	47.22	54.00	-6.78	40.41	6.17	33.69	33.05	193	295	Average	HORIZONTAL
2	5147.37	60.10	74.00	-13.90	53.20	6.21	33.74	33.05	193	295	Peak	HORIZONTAL
3	5262.76	97.73			90.52	6.34	33.93	33.06	193	295	Average	HORIZONTAL
4	5326.06	108.80			101.42	6.43	34.01	33.06	193	295	Peak	HORIZONTAL
5	5355.71	52.02	54.00	-1.98	44.55	6.47	34.06	33.06	193	295	Average	HORIZONTAL
6	5363.72	73.55	74.00	-0.45	66.05	6.47	34.09	33.06	193	295	Peak	HORIZONTAL

Item 3, 4 are the fundamental frequency at 5290 MHz.

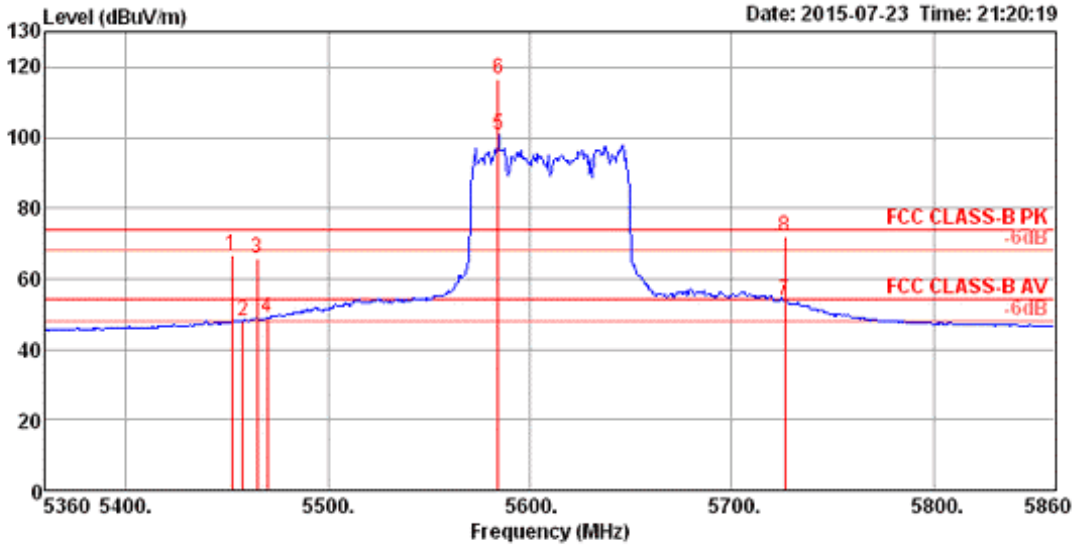
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5457.89	70.67	74.00	-3.33	62.91	6.60	34.22	33.06	183	283	Peak	HORIZONTAL
2	5459.49	53.49	54.00	-0.51	45.73	6.60	34.22	33.06	183	283	Average	HORIZONTAL
3	5468.30	72.06	74.00	-1.94	64.27	6.60	34.25	33.06	183	283	Peak	HORIZONTAL
4	5469.10	53.86	54.00	-0.14	46.07	6.60	34.25	33.06	183	283	Average	HORIZONTAL
5	5504.36	104.51			96.63	6.65	34.30	33.07	183	283	Average	HORIZONTAL
6	5513.17	109.92			102.04	6.65	34.30	33.07	183	283	Peak	HORIZONTAL
7	5733.53	61.35	74.00	-12.65	53.20	6.86	34.43	33.14	183	283	Peak	HORIZONTAL
8	5735.13	48.00	54.00	-6.00	39.84	6.86	34.44	33.14	183	283	Average	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

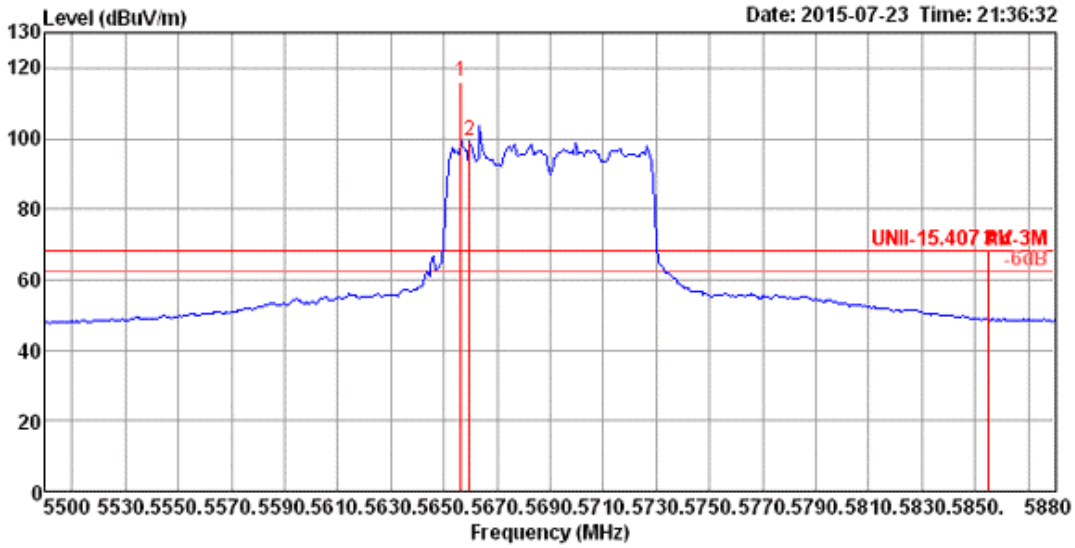
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5452.15	66.56	74.00	-7.44	58.80	6.60	34.22	33.06	184	300	Peak	HORIZONTAL
2	5457.76	48.18	54.00	-5.82	40.42	6.60	34.22	33.06	184	300	Average	HORIZONTAL
3	5464.97	65.91	74.00	-8.09	58.12	6.60	34.25	33.06	184	300	Peak	HORIZONTAL
4	5470.00	48.87	54.00	-5.13	41.08	6.60	34.25	33.06	184	300	Average	HORIZONTAL
5	5584.36	100.65			92.67	6.72	34.35	33.09	184	300	Average	HORIZONTAL
6	5584.36	116.56			108.58	6.72	34.35	33.09	184	300	Peak	HORIZONTAL
7	5726.19	53.75	54.00	-0.25	45.62	6.83	34.43	33.13	184	300	Average	HORIZONTAL
8	5726.19	71.96	74.00	-2.04	63.83	6.83	34.43	33.13	184	300	Peak	HORIZONTAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 138



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5656.35	116.19			108.13	6.79	34.39	33.12	185	295	Peak	HORIZONTAL
2	5659.55	99.14			91.08	6.79	34.39	33.12	185	295	Average	HORIZONTAL
3	5855.06	68.11	68.20	-0.09	59.81	6.95	34.52	33.17	185	295	Peak	HORIZONTAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

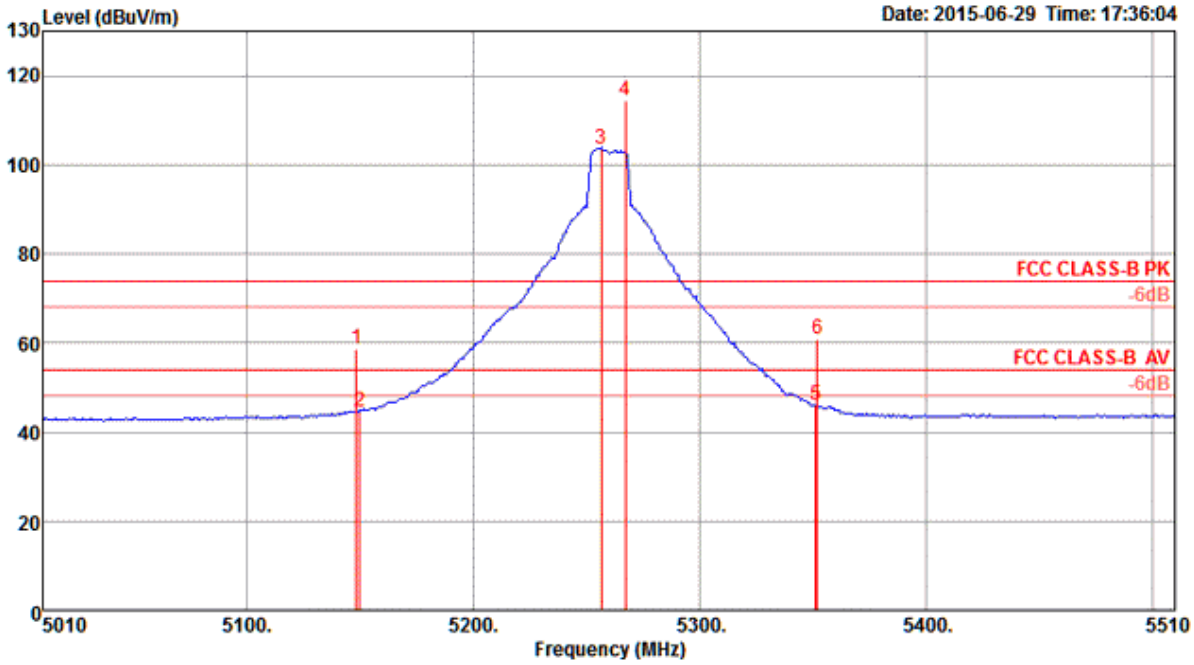
Emission level (dBuV/m) = 20 log Emission level (uV/m)

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

<For Radio 3>

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52, 60, 64 / Chain 7

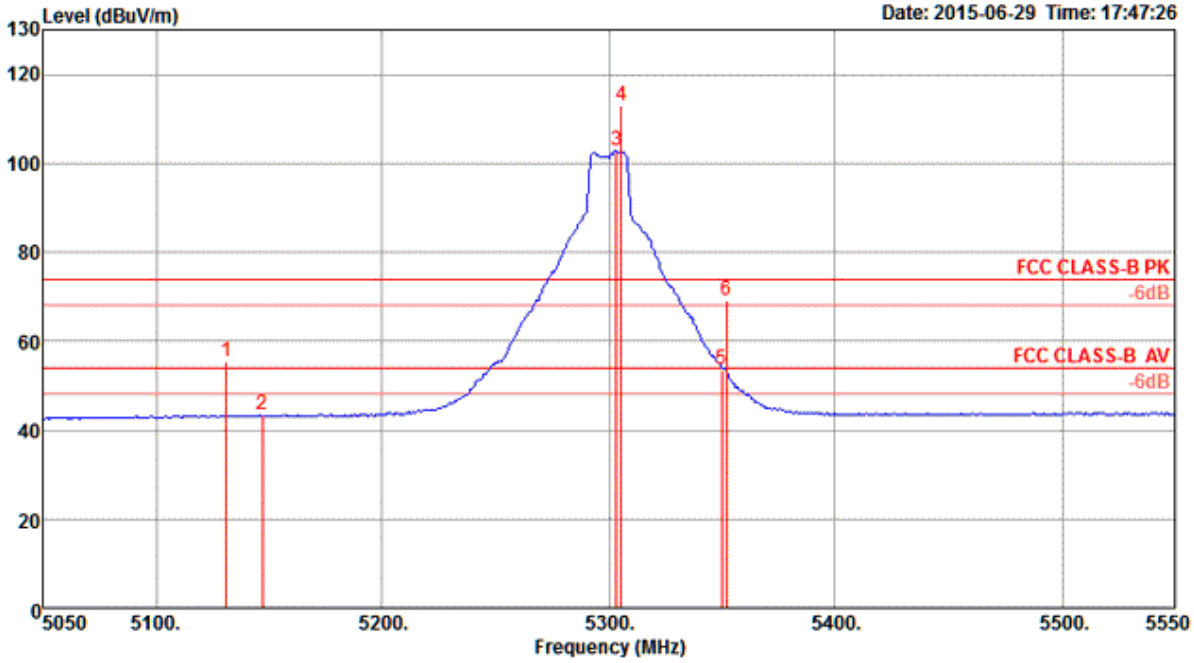
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.62	58.71	74.00	-15.29	55.65	4.26	33.27	34.47	173	151	Peak	VERTICAL
2	5150.00	44.70	54.00	-9.30	41.64	4.26	33.27	34.47	173	151	Average	VERTICAL
3	5256.80	103.71			100.43	4.30	33.45	34.47	173	151	Average	VERTICAL
4	5267.21	114.48			111.16	4.31	33.48	34.47	173	151	Peak	VERTICAL
5	5351.35	46.01	54.00	-7.99	42.50	4.35	33.63	34.47	173	151	Average	VERTICAL
6	5352.15	60.96	74.00	-13.04	57.45	4.35	33.63	34.47	173	151	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

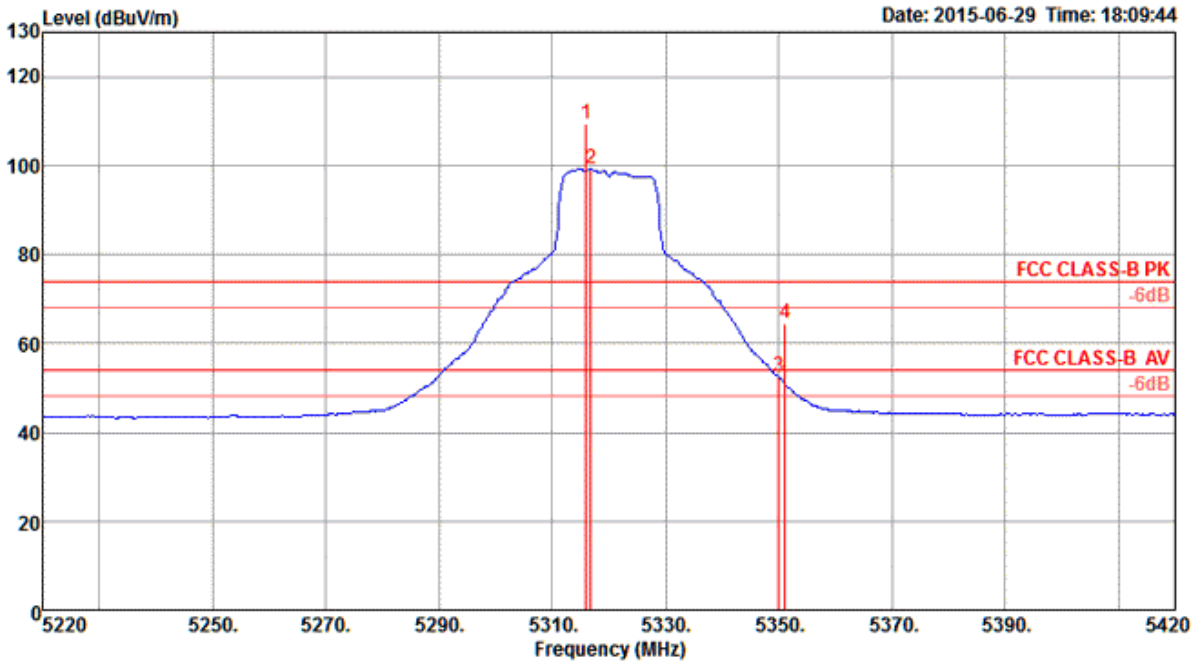
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5130.93	55.42	74.00	-18.58	52.40	4.25	33.24	34.47	171	159	Peak	VERTICAL
2	5146.96	43.28	54.00	-10.72	40.22	4.26	33.27	34.47	171	159	Average	VERTICAL
3	5303.21	102.68			99.28	4.33	33.54	34.47	171	159	Average	VERTICAL
4	5305.61	113.02			109.62	4.33	33.54	34.47	171	159	Peak	VERTICAL
5	5350.00	53.70	54.00	-0.30	50.19	4.35	33.63	34.47	171	159	Average	VERTICAL
6	5352.08	69.18	74.00	-4.82	65.67	4.35	33.63	34.47	171	159	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5300 MHz.

Channel 64

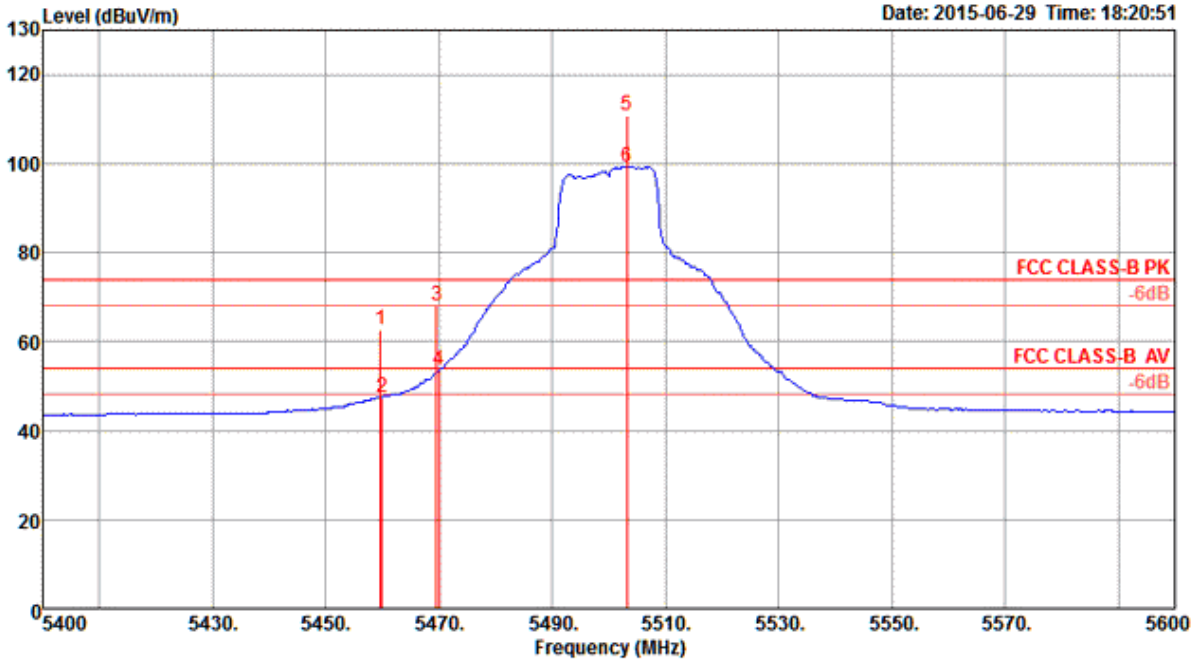


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5316.00	109.20			105.77	4.33	33.57	34.47	176	198	Peak	VERTICAL
2	5316.80	99.16			95.73	4.33	33.57	34.47	176	198	Average	VERTICAL
3	5350.00	52.40	54.00	-1.60	48.89	4.35	33.63	34.47	176	198	Average	VERTICAL
4	5351.20	64.59	74.00	-9.41	61.08	4.35	33.63	34.47	176	198	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100, 116, 140, 144 / Chain 7

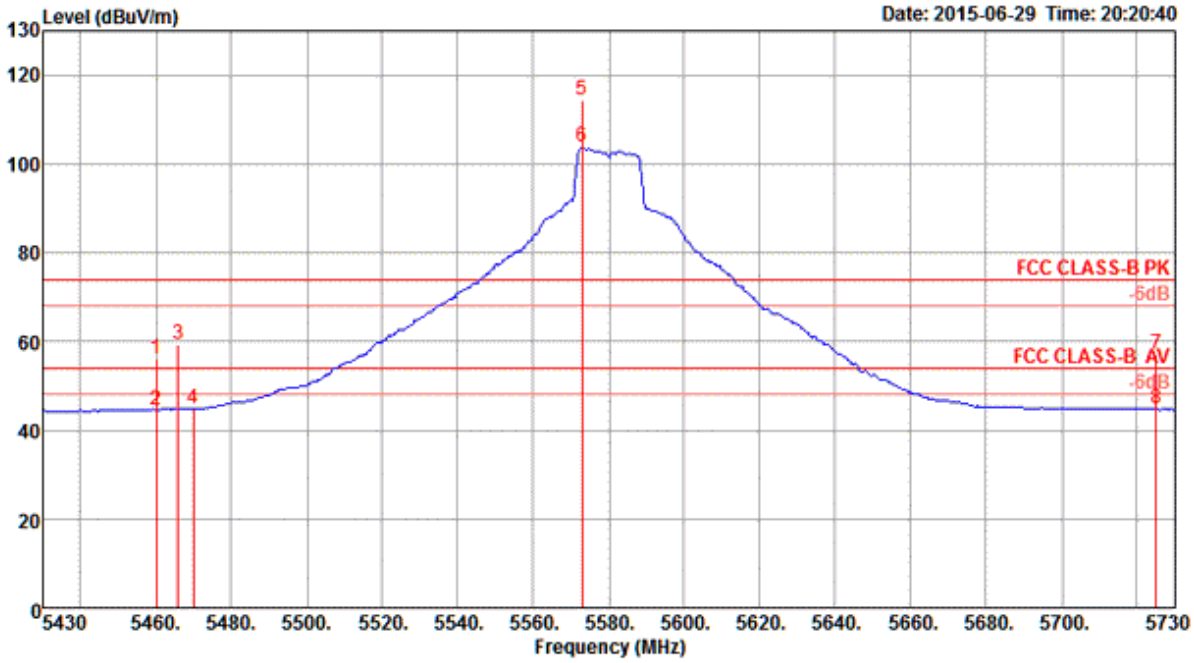
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5459.60	62.50	74.00	-11.50	58.76	4.40	33.81	34.47	130	102	Peak	VERTICAL
2	5460.00	47.47	54.00	-6.53	43.73	4.40	33.81	34.47	130	102	Average	VERTICAL
3	5469.60	68.24	74.00	-5.76	64.46	4.41	33.84	34.47	130	102	Peak	VERTICAL
4	5470.00	53.77	54.00	-0.23	49.99	4.41	33.84	34.47	130	102	Average	VERTICAL
5	5503.20	110.68			106.84	4.42	33.90	34.48	130	102	Peak	VERTICAL
6	5503.20	99.36			95.52	4.42	33.90	34.48	130	102	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

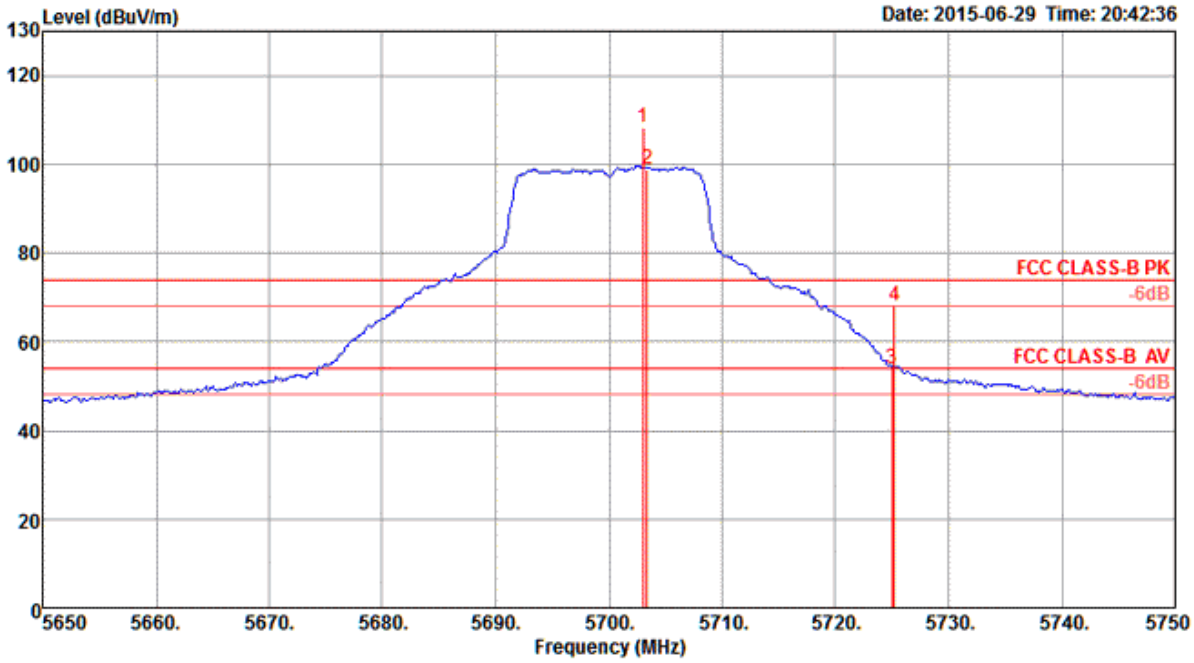
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5460.00	56.29	74.00	-17.71	52.55	4.40	33.81	34.47	133	113	Peak	VERTICAL
2	5460.00	44.46	54.00	-9.54	40.72	4.40	33.81	34.47	133	113	Average	VERTICAL
3	5465.80	59.25	74.00	-14.75	55.47	4.41	33.84	34.47	133	113	Peak	VERTICAL
4	5470.00	44.84	54.00	-9.16	41.06	4.41	33.84	34.47	133	113	Average	VERTICAL
5	5572.80	114.53			110.47	4.44	34.11	34.49	133	113	Peak	VERTICAL
6	5572.80	103.84			99.78	4.44	34.11	34.49	133	113	Average	VERTICAL
7	5725.00	57.20	74.00	-16.80	52.64	4.50	34.57	34.51	133	113	Peak	VERTICAL
8	5725.00	44.74	54.00	-9.26	40.18	4.50	34.57	34.51	133	113	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

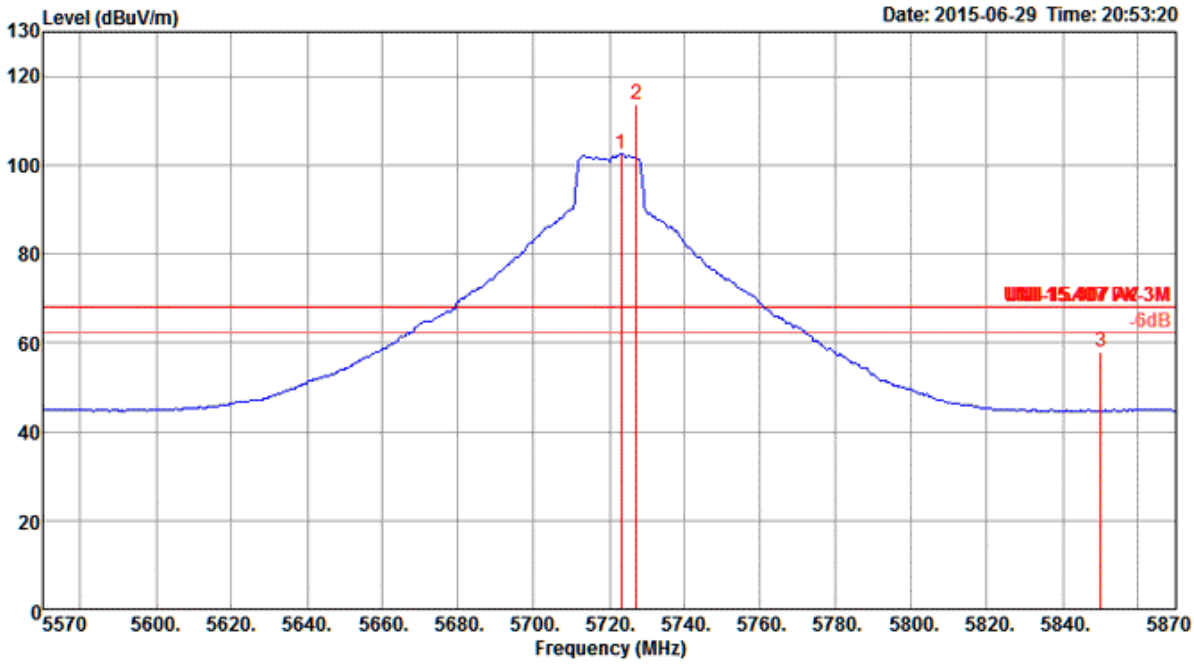
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5703.00	108.11			103.61	4.49	34.52	34.51	165	121	Peak	VERTICAL
2	5703.40	98.75			94.25	4.49	34.52	34.51	165	121	Average	VERTICAL
3	5725.00	53.96	54.00	-0.04	49.40	4.50	34.57	34.51	165	121	Average	VERTICAL
4	5725.20	68.24	74.00	-5.76	63.68	4.50	34.57	34.51	165	121	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz

Channel 144

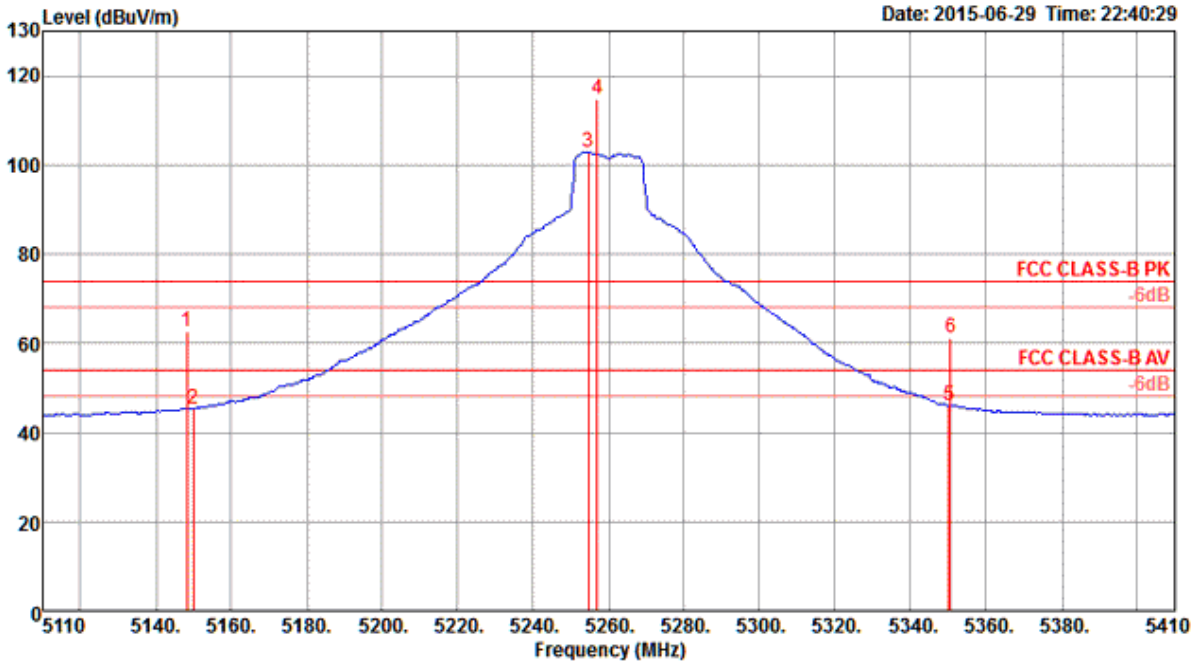


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5723.00	102.43			97.87	4.50	34.57	34.51	164	112	Average	VERTICAL
2	5727.20	113.65			109.09	4.50	34.57	34.51	164	112	Peak	VERTICAL
3	5850.00	57.97	68.20	-10.23	53.04	4.54	34.93	34.54	164	112	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52, 60, 64 / Chain 7

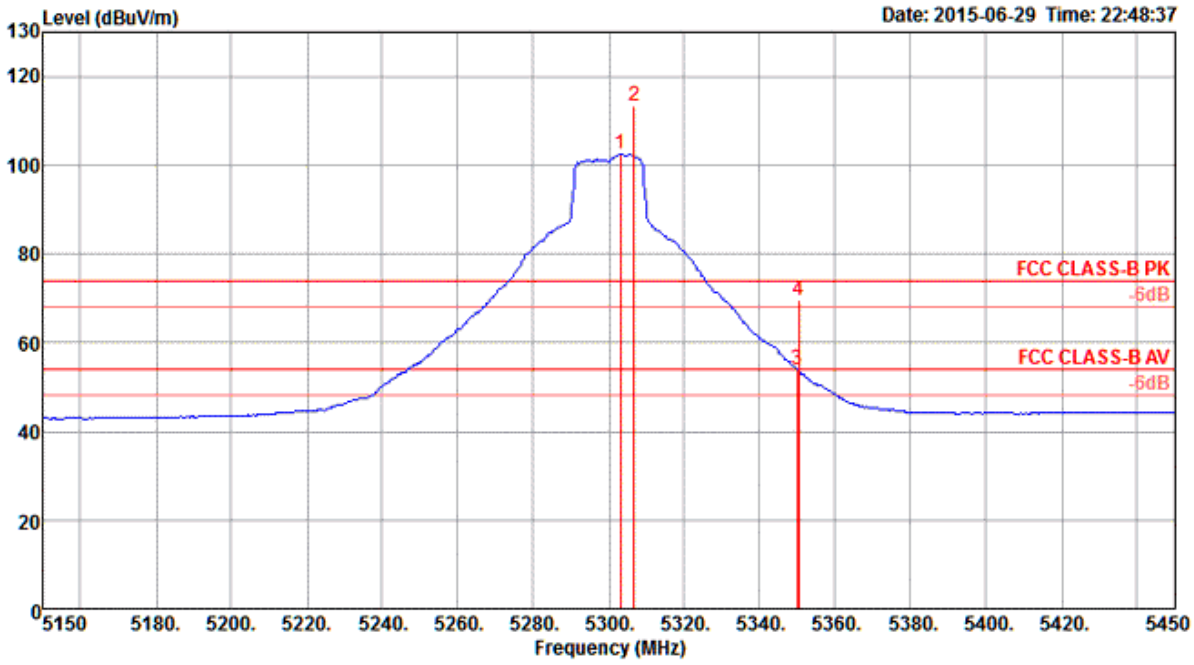
Channel 52



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5148.20	62.80	74.00	-11.20	59.74	4.26	33.27	34.47	201	215	Peak	VERTICAL
2	5150.00	45.22	54.00	-8.78	42.16	4.26	33.27	34.47	201	215	Average	VERTICAL
3	5254.60	102.98			99.70	4.30	33.45	34.47	201	215	Average	VERTICAL
4	5257.00	114.69			111.41	4.30	33.45	34.47	201	215	Peak	VERTICAL
5	5350.00	45.95	54.00	-8.05	42.44	4.35	33.63	34.47	201	215	Average	VERTICAL
6	5350.60	61.25	74.00	-12.75	57.74	4.35	33.63	34.47	201	215	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5260 MHz.

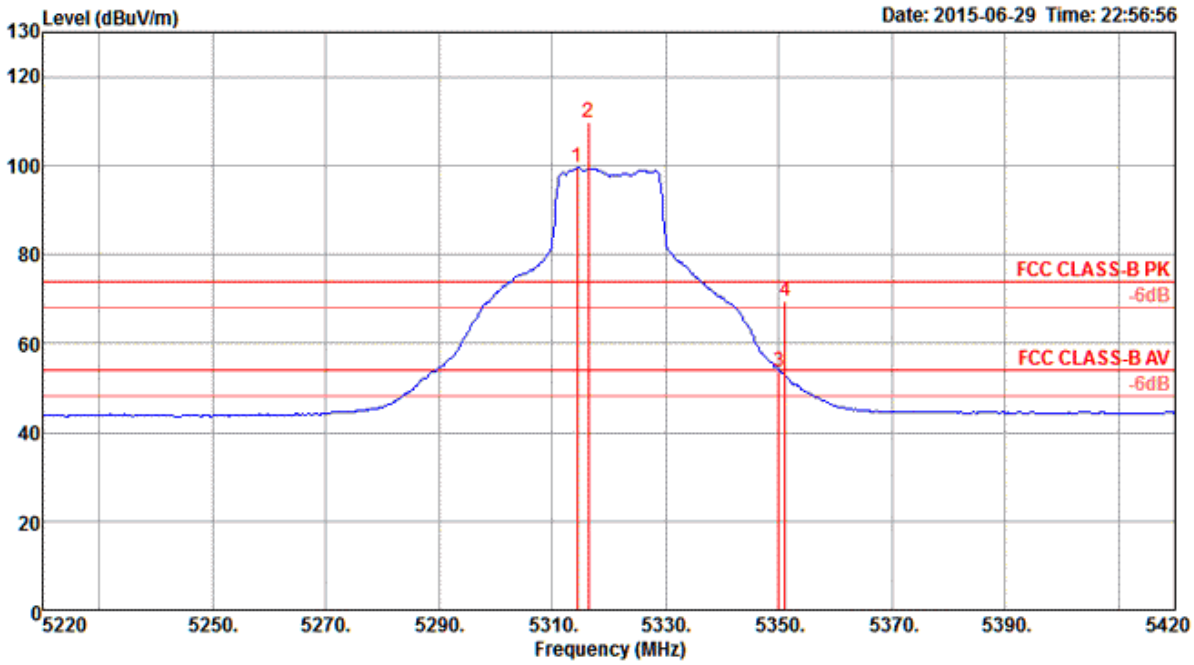
Channel 60



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5303.00	102.51			99.11	4.33	33.54	34.47	170	153	Average	VERTICAL
2	5306.60	113.33			109.93	4.33	33.54	34.47	170	153	Peak	VERTICAL
3	5350.00	53.90	54.00	-0.10	50.39	4.35	33.63	34.47	170	153	Average	VERTICAL
4	5350.40	69.41	74.00	-4.59	65.90	4.35	33.63	34.47	170	153	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5300 MHz.

Channel 64

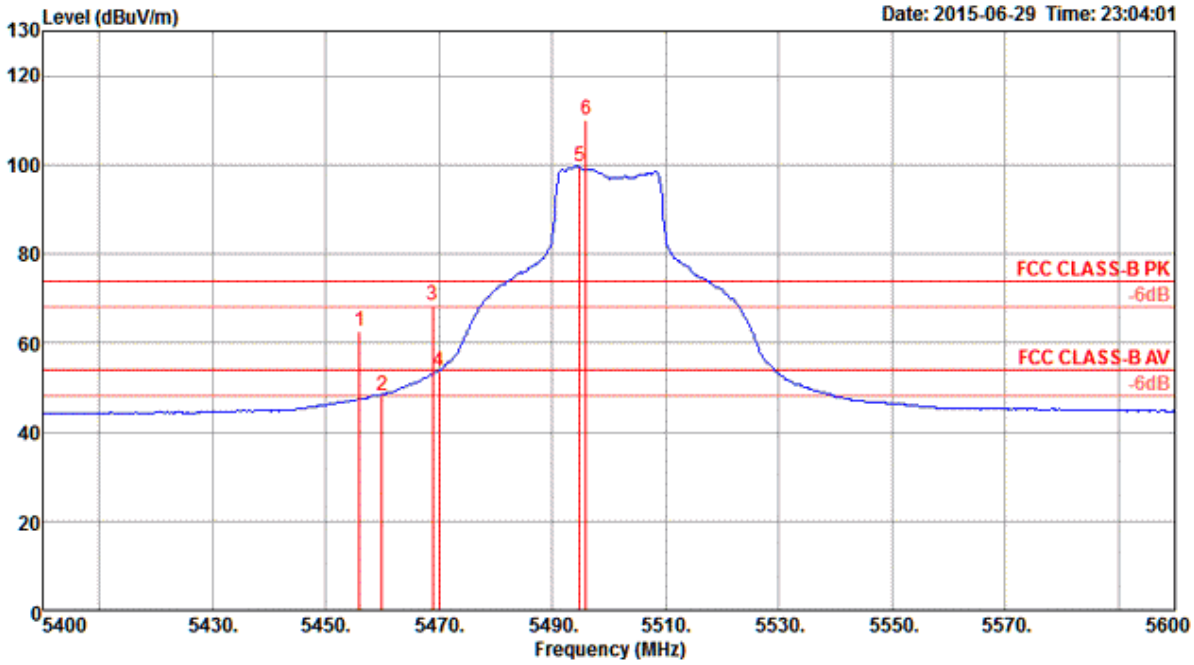


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5314.40	99.43			96.00	4.33	33.57	34.47	172	169	Average	VERTICAL
2	5316.40	109.84			106.41	4.33	33.57	34.47	172	169	Peak	VERTICAL
3	5350.00	53.77	54.00	-0.23	50.26	4.35	33.63	34.47	172	169	Average	VERTICAL
4	5351.20	69.43	74.00	-4.57	65.92	4.35	33.63	34.47	172	169	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5320 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100, 116, 140, 144 / Chain 7

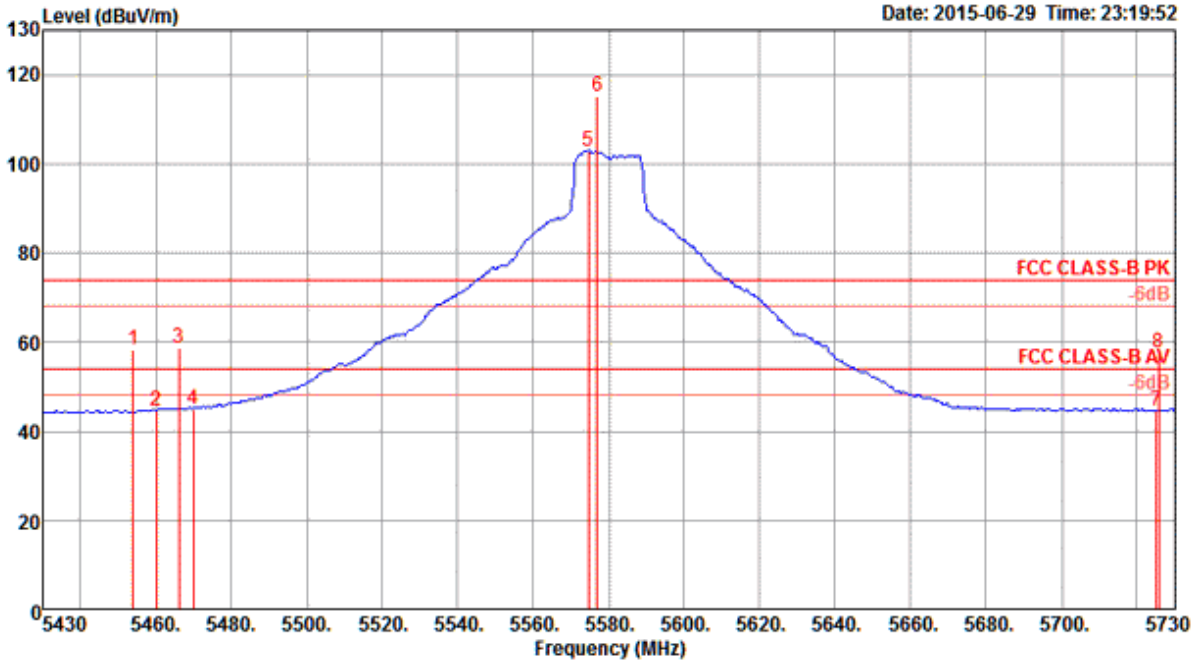
Channel 100



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5456.00	62.59	74.00	-11.41	58.85	4.40	33.81	34.47	162	118	Peak	VERTICAL
2	5460.00	48.32	54.00	-5.68	44.58	4.40	33.81	34.47	162	118	Average	VERTICAL
3	5468.80	68.57	74.00	-5.43	64.79	4.41	33.84	34.47	162	118	Peak	VERTICAL
4	5470.00	53.65	54.00	-0.35	49.87	4.41	33.84	34.47	162	118	Average	VERTICAL
5	5494.80	99.47			95.66	4.41	33.87	34.47	162	118	Average	VERTICAL
6	5496.00	109.92			106.11	4.41	33.87	34.47	162	118	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5500 MHz.

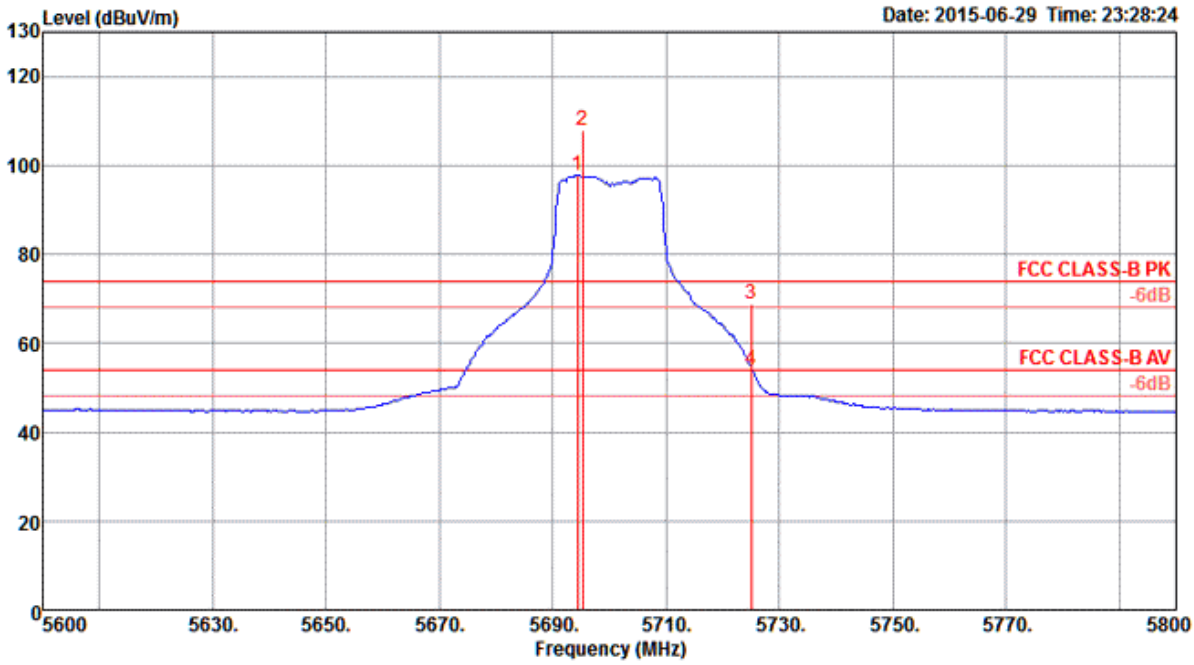
Channel 116



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5454.00	58.24	74.00	-15.76	54.50	4.40	33.81	34.47	162	131	Peak	VERTICAL
2	5460.00	44.68	54.00	-9.32	40.94	4.40	33.81	34.47	162	131	Average	VERTICAL
3	5466.00	58.71	74.00	-15.29	54.93	4.41	33.84	34.47	162	131	Peak	VERTICAL
4	5470.00	44.99	54.00	-9.01	41.21	4.41	33.84	34.47	162	131	Average	VERTICAL
5	5574.60	102.89			98.83	4.44	34.11	34.49	162	131	Average	VERTICAL
6	5577.00	114.99			110.93	4.44	34.11	34.49	162	131	Peak	VERTICAL
7	5725.00	44.71	54.00	-9.29	40.15	4.50	34.57	34.51	162	131	Average	VERTICAL
8	5725.60	57.54	74.00	-16.46	52.98	4.50	34.57	34.51	162	131	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5580 MHz.

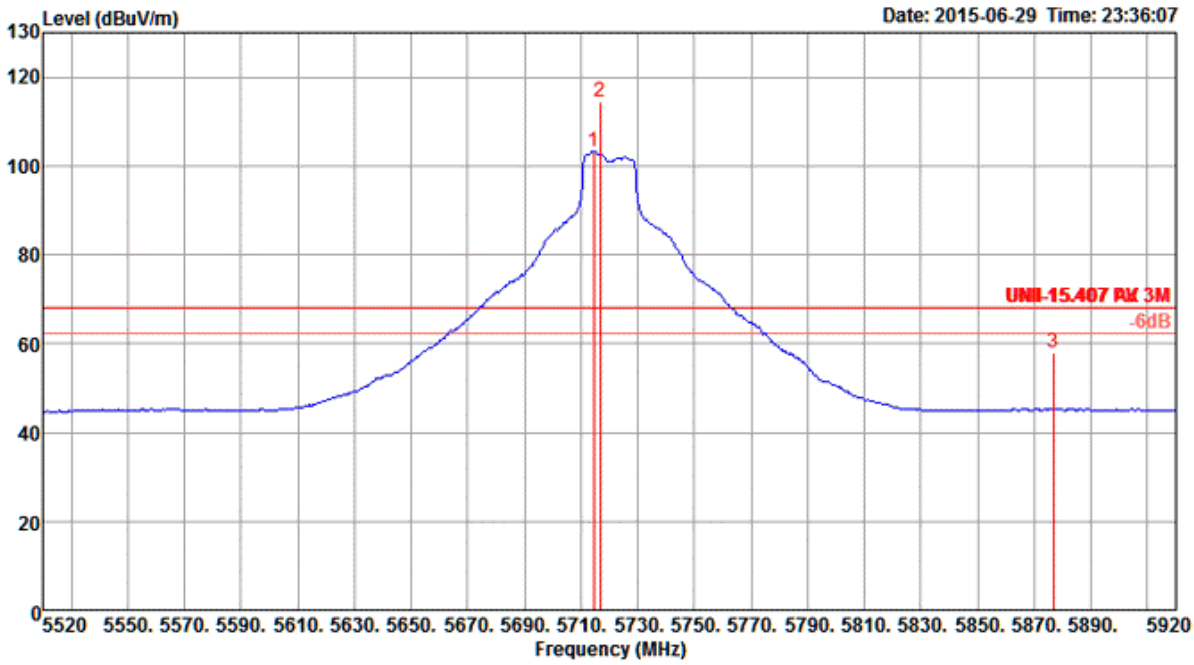
Channel 140



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5694.40	97.76			93.31	4.49	34.47	34.51	130	127	Average	VERTICAL
2	5695.20	108.04			103.59	4.49	34.47	34.51	130	127	Peak	VERTICAL
3	5725.00	68.78	74.00	-5.22	64.22	4.50	34.57	34.51	130	127	Peak	VERTICAL
4	5725.00	53.92	54.00	-0.08	49.36	4.50	34.57	34.51	130	127	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5700 MHz.

Channel 144

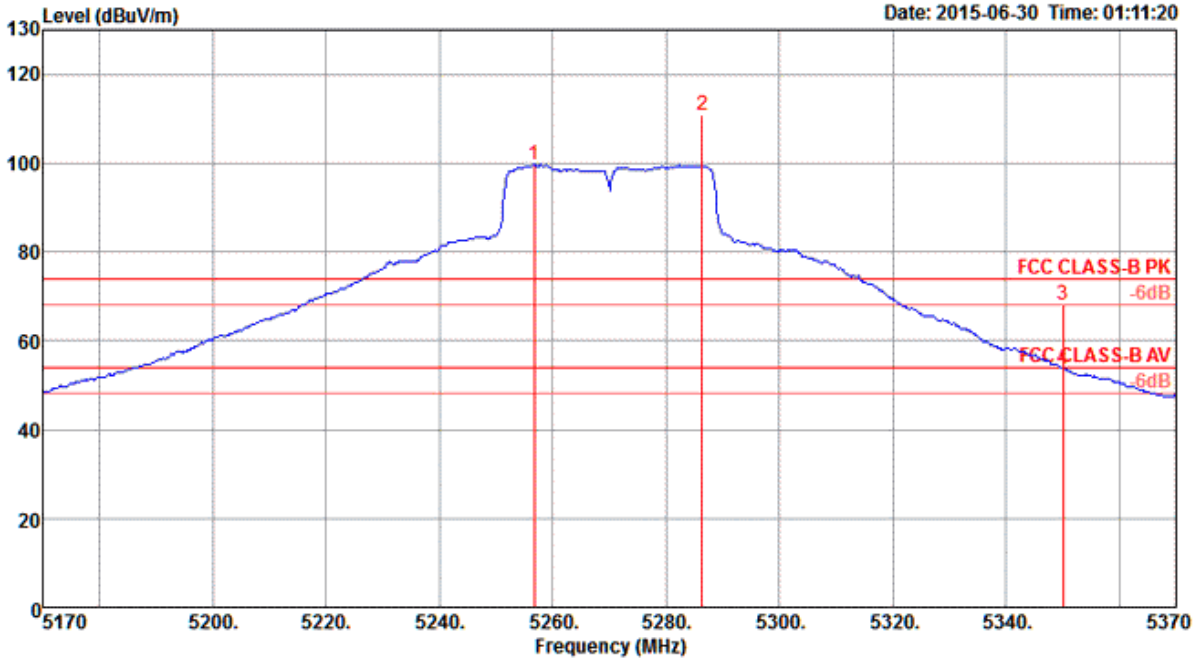


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5714.40	103.05			98.55	4.49	34.52	34.51	128	109	Average	VERTICAL
2	5716.80	114.52			110.02	4.49	34.52	34.51	128	109	Peak	VERTICAL
3	5876.80	58.02	68.20	-10.18	52.97	4.55	35.04	34.54	128	109	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5720 MHz.

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54, 62 / Chain 7

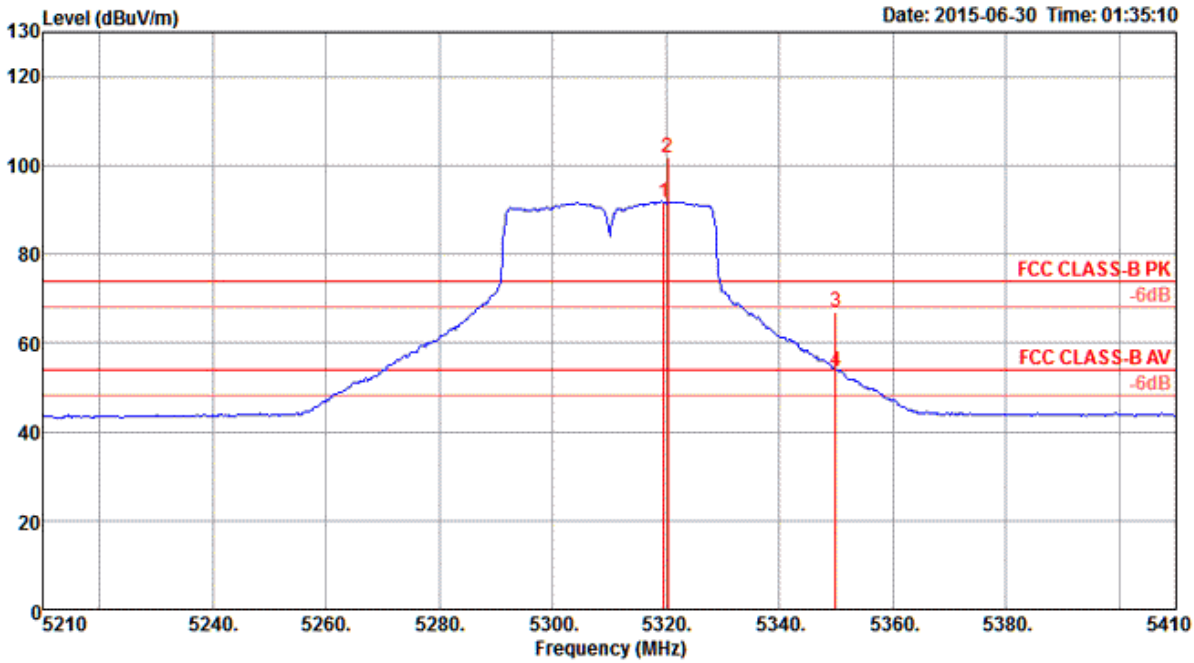
Channel 54



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5256.80	99.55			96.27	4.30	33.45	34.47	169	152	Average	VERTICAL
2	5286.40	110.70			107.34	4.32	33.51	34.47	169	152	Peak	VERTICAL
3	5350.00	68.00	74.00	-6.00	64.49	4.35	33.63	34.47	169	152	Peak	VERTICAL
4	5350.00	53.69	54.00	-0.31	50.18	4.35	33.63	34.47	169	152	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5270 MHz.

Channel 62

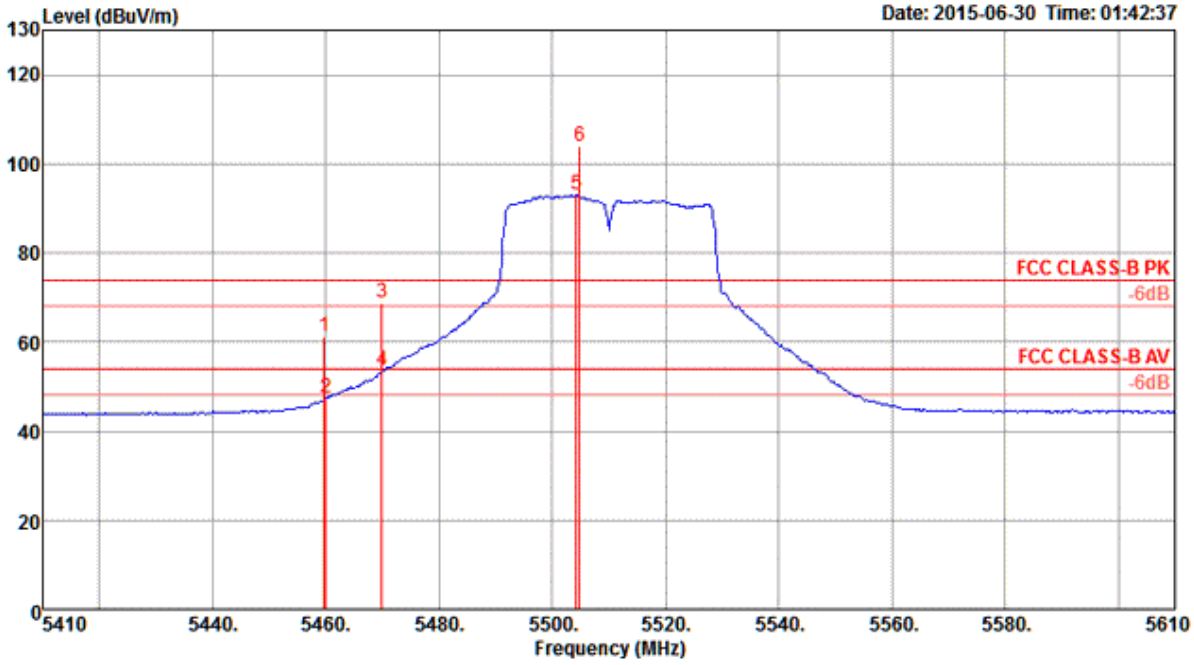


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5319.62	91.64			88.21	4.33	33.57	34.47	165	157	Average	VERTICAL
2	5320.26	101.83			98.40	4.33	33.57	34.47	165	157	Peak	VERTICAL
3	5350.00	66.95	74.00	-7.05	63.44	4.35	33.63	34.47	165	157	Peak	VERTICAL
4	5350.00	53.68	54.00	-0.32	50.17	4.35	33.63	34.47	165	157	Average	VERTICAL

Item 1, 2 are the fundamental frequency at 5310 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102, 110, 134, 142 / Chain 7

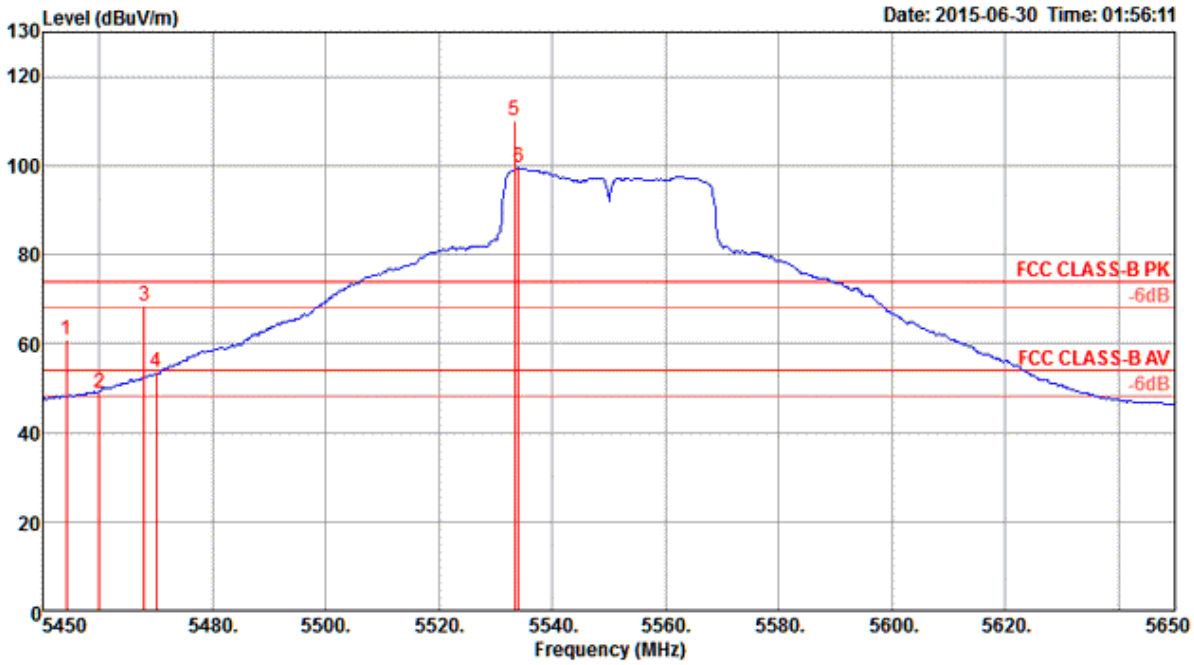
Channel 102



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5459.68	61.36	74.00	-12.64	57.62	4.40	33.81	34.47	162	161	Peak	VERTICAL
2	5460.00	47.59	54.00	-6.41	43.85	4.40	33.81	34.47	162	161	Average	VERTICAL
3	5470.00	68.66	74.00	-5.34	64.88	4.41	33.84	34.47	162	161	Peak	VERTICAL
4	5470.00	53.54	54.00	-0.46	49.76	4.41	33.84	34.47	162	161	Average	VERTICAL
5	5504.23	92.97			89.13	4.42	33.90	34.48	162	161	Average	VERTICAL
6	5504.87	103.82			99.98	4.42	33.90	34.48	162	161	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5510 MHz.

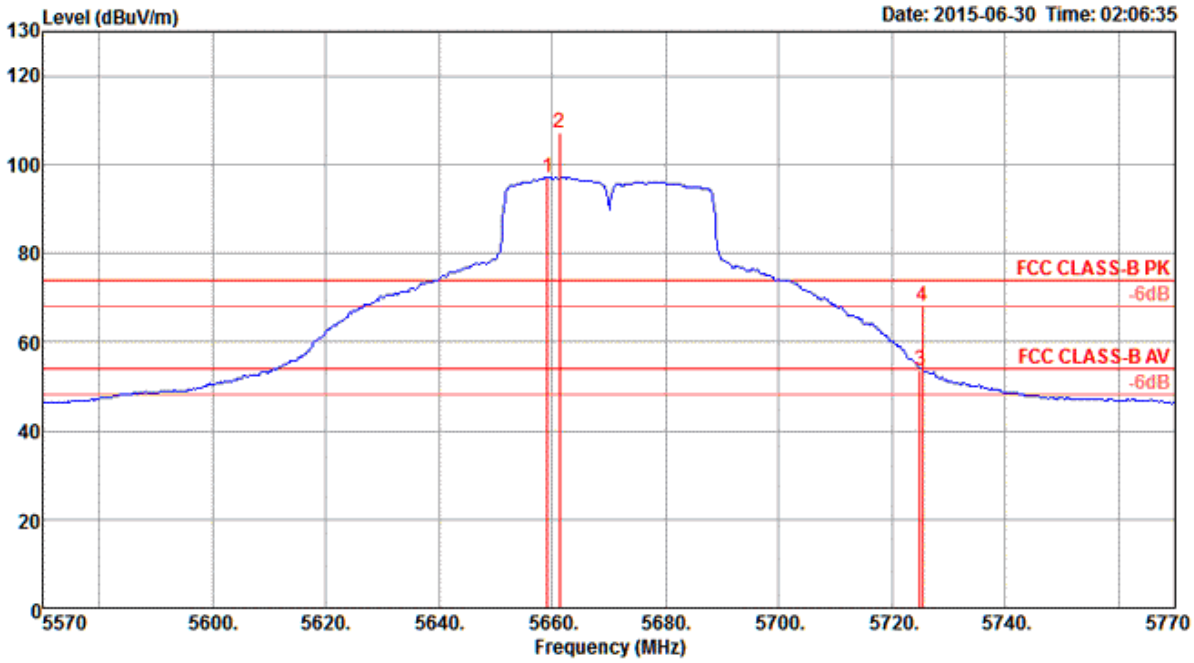
Channel 110



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5454.17	60.84	74.00	-13.16	57.10	4.40	33.81	34.47	162	135	Peak	VERTICAL
2	5460.00	49.01	54.00	-4.99	45.27	4.40	33.81	34.47	162	135	Average	VERTICAL
3	5467.95	68.26	74.00	-5.74	64.48	4.41	33.84	34.47	162	135	Peak	VERTICAL
4	5470.00	53.53	54.00	-0.47	49.75	4.41	33.84	34.47	162	135	Average	VERTICAL
5	5533.33	110.24			106.29	4.43	34.00	34.48	162	135	Peak	VERTICAL
6	5533.97	99.47			95.52	4.43	34.00	34.48	162	135	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5550 MHz.

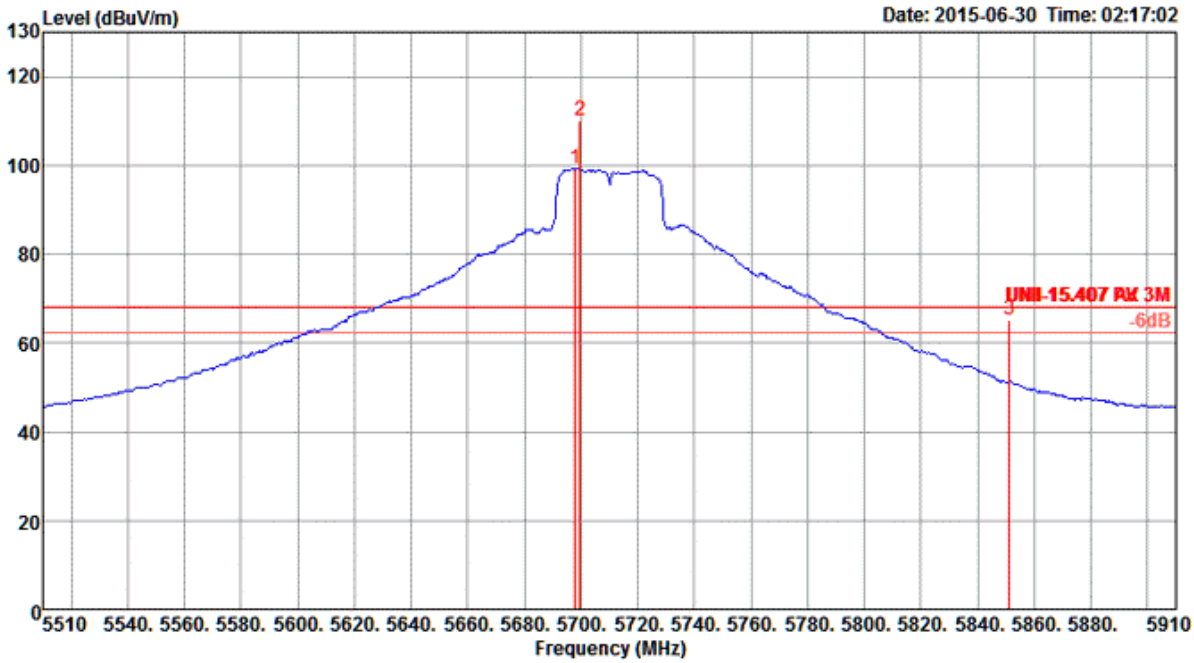
Channel 134



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5659.10	97.09			92.76	4.47	34.37	34.51	125	122	Average	VERTICAL
2	5661.35	107.19			102.86	4.47	34.37	34.51	125	122	Peak	VERTICAL
3	5725.00	53.72	54.00	-0.28	49.16	4.50	34.57	34.51	125	122	Average	VERTICAL
4	5725.45	68.25	74.00	-5.75	63.69	4.50	34.57	34.51	125	122	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5670 MHz.

Channel 144

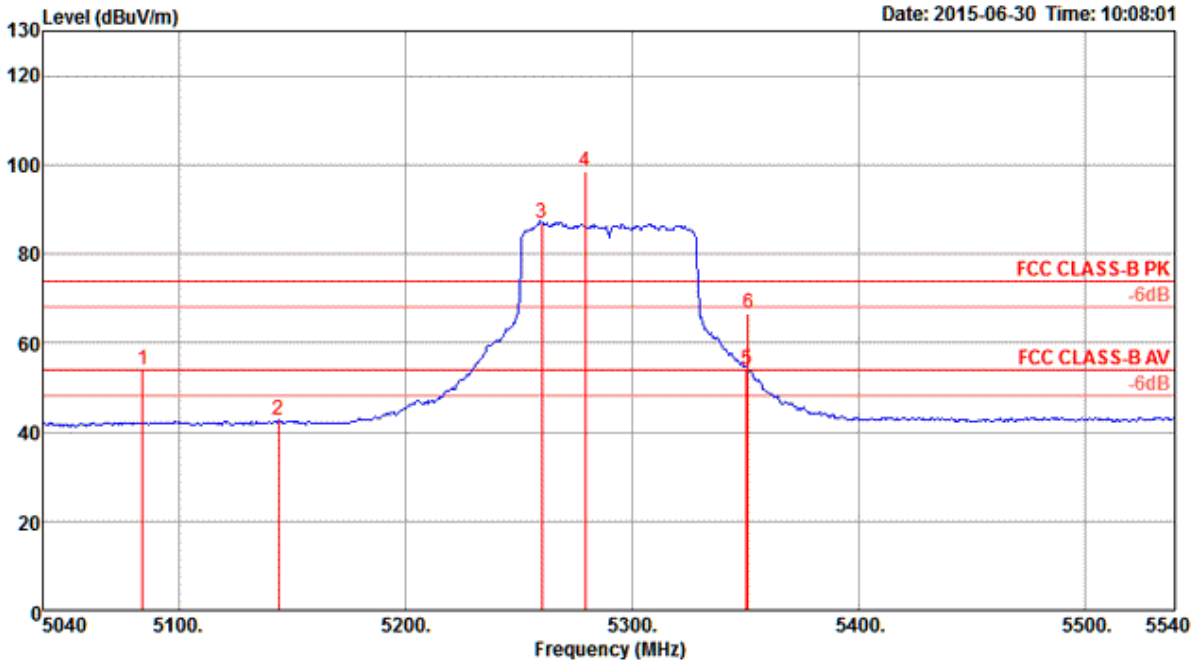


	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5697.82	99.28			94.83	4.49	34.47	34.51	125	125	Average	VERTICAL
2	5699.74	110.11			105.66	4.49	34.47	34.51	125	125	Peak	VERTICAL
3	5851.03	65.25	68.20	-2.95	60.32	4.54	34.93	34.54	125	125	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5710 MHz.

Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58, 106, 122, 138 / Chain 7

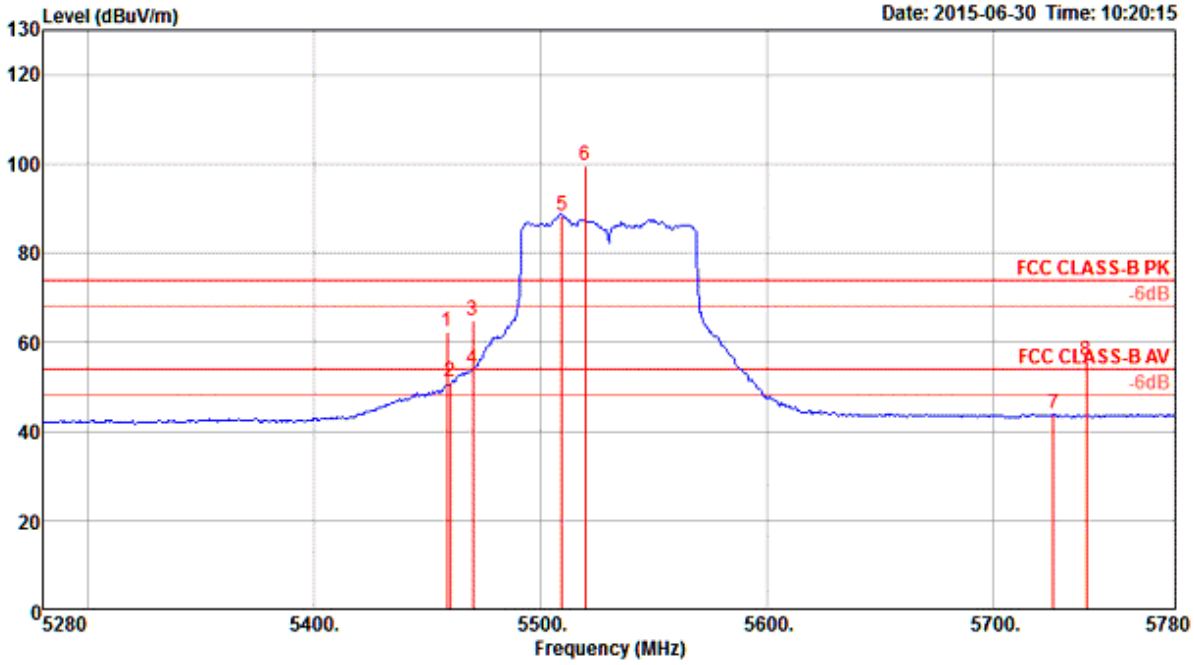
Channel 58



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5084.07	54.06	74.00	-19.94	51.15	4.23	33.15	34.47	171	162	Peak	VERTICAL
2	5144.17	42.56	54.00	-11.44	39.50	4.26	33.27	34.47	171	162	Average	VERTICAL
3	5260.35	87.00			83.68	4.31	33.48	34.47	171	162	Average	VERTICAL
4	5279.58	98.59			95.23	4.32	33.51	34.47	171	162	Peak	VERTICAL
5	5350.90	53.79	54.00	-0.21	50.28	4.35	33.63	34.47	171	162	Average	VERTICAL
6	5351.70	66.51	74.00	-7.49	63.00	4.35	33.63	34.47	171	162	Peak	VERTICAL

Item 4, 5 are the fundamental frequency at 5290 MHz.

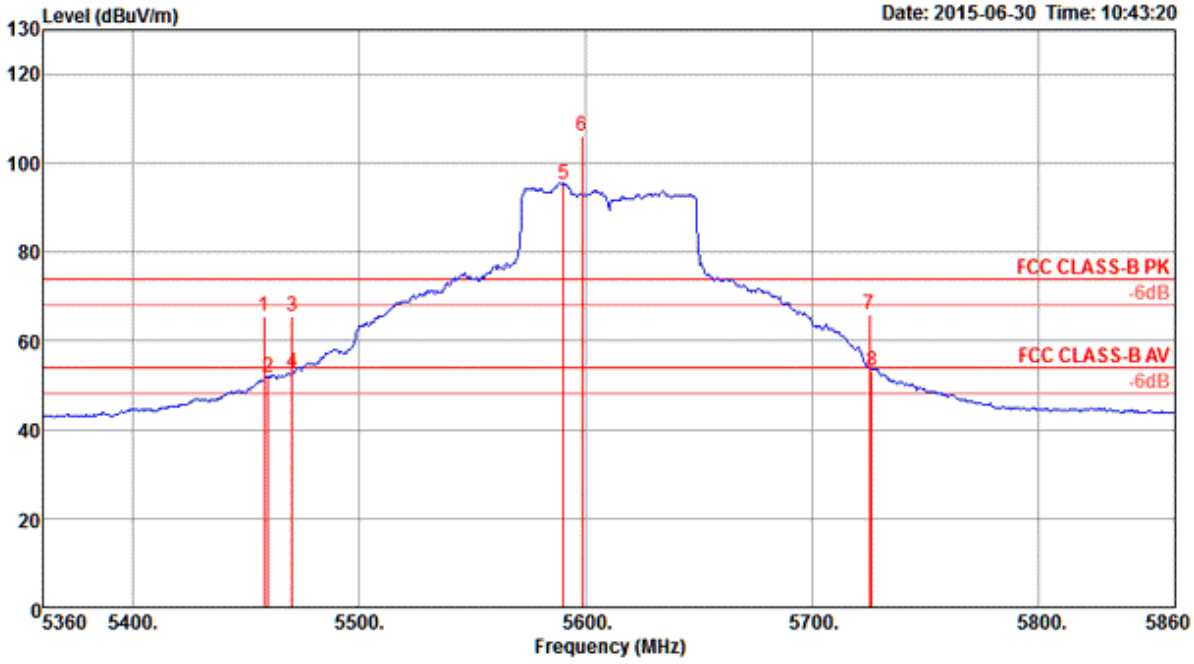
Channel 106



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5458.69	62.30	74.00	-11.70	58.56	4.40	33.81	34.47	131	134	Peak	VERTICAL
2	5460.00	51.20	54.00	-2.80	47.46	4.40	33.81	34.47	131	134	Average	VERTICAL
3	5470.00	64.82	74.00	-9.18	61.04	4.41	33.84	34.47	131	134	Peak	VERTICAL
4	5470.00	53.81	54.00	-0.19	50.03	4.41	33.84	34.47	131	134	Average	VERTICAL
5	5509.17	88.44			84.60	4.42	33.90	34.48	131	134	Average	VERTICAL
6	5519.58	99.52			95.62	4.43	33.95	34.48	131	134	Peak	VERTICAL
7	5726.31	43.96	54.00	-10.04	39.40	4.50	34.57	34.51	131	134	Average	VERTICAL
8	5740.74	55.78	74.00	-18.22	51.18	4.50	34.62	34.52	131	134	Peak	VERTICAL

Item 5, 6 are the fundamental frequency at 5530 MHz.

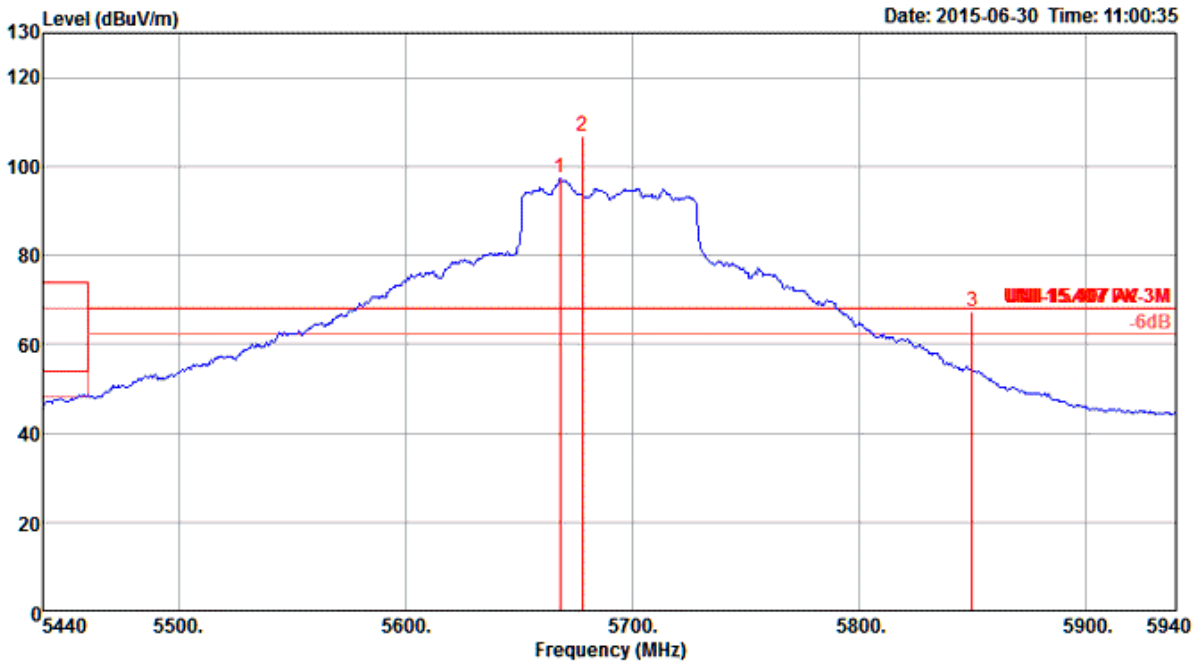
Channel 122



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5457.76	65.48	74.00	-8.52	61.74	4.40	33.81	34.47	131	103	Peak	VERTICAL
2	5459.36	51.96	54.00	-2.04	48.22	4.40	33.81	34.47	131	103	Average	VERTICAL
3	5470.00	65.48	74.00	-8.52	61.70	4.41	33.84	34.47	131	103	Peak	VERTICAL
4	5470.00	52.87	54.00	-1.13	49.09	4.41	33.84	34.47	131	103	Average	VERTICAL
5	5589.97	95.39			91.27	4.45	34.16	34.49	131	103	Average	VERTICAL
6	5597.98	106.00			101.88	4.45	34.16	34.49	131	103	Peak	VERTICAL
7	5725.00	65.91	74.00	-8.09	61.35	4.50	34.57	34.51	131	103	Peak	VERTICAL
8	5726.19	53.41	54.00	-0.59	48.85	4.50	34.57	34.51	131	103	Average	VERTICAL

Item 5, 6 are the fundamental frequency at 5610 MHz.

Channel 138



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5668.37	97.27			92.88	4.48	34.42	34.51	162	215	Average	VERTICAL
2	5677.98	106.96			102.57	4.48	34.42	34.51	162	215	Peak	VERTICAL
3	5850.00	67.43	68.20	-0.77	62.50	4.54	34.93	34.54	162	215	Peak	VERTICAL

Item 1, 2 are the fundamental frequency at 5690 MHz.

Note:

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

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

4.8. Frequency Stability Measurement

4.8.1. Limit

In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification).

4.8.2. 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	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

4.8.3. Test Procedures

1.The transmitter output (antenna port) was connected to the spectrum analyzer.

2. EUT have transmitted absence of modulation signal and fixed channelize.

3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.

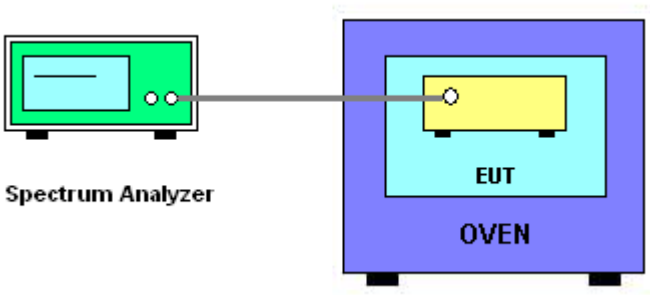
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.

5. fc is declaring of channel frequency. Then the frequency error formula is (fc-f)/fc × 10^6 ppm and the limit is less than ±20ppm (IEEE 802.11nspecification).

6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value

7. Extreme temperature is -20°C~50°C.

4.8.4. Test Setup Layout



4.8.5. Test Deviation

There is no deviation with the original standard.

4.8.6. EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.

4.8.7. Test Result of Frequency Stability

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

Temperature	25℃	Humidity	55%
Test Engineer	Lucas Huang	Test Date	Jul. 11, 2015

Mode: 20 MHz

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)	
(V)	5300 MHz	5580 MHz
126.50	5299.9744	5579.9718
110.00	5299.9735	5579.9714
93.50	5299.9731	5579.9709
Max. Deviation (MHz)	0.026920	0.029090
Max. Deviation (ppm)	5.08	5.21

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)	
(℃)	5300 MHz	5580 MHz
-20	5299.9748	5579.9728
-10	5299.9744	5579.9726
0	5299.9741	5579.9720
10	5299.9739	5579.9717
20	5299.9735	5579.9714
30	5299.9732	5579.9710
40	5299.9729	5579.9709
50	5299.9725	5579.9706
Max. Deviation (MHz)	0.027533	0.029366
Max. Deviation (ppm)	5.19	5.26

Mode: 40 MHz

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)	
(V)	5310 MHz	5550 MHz
126.50	5309.9813	5549.9835
110.00	5309.9805	5549.9822
93.50	5309.9796	5549.9813
Max. Deviation (MHz)	0.020410	0.018670
Max. Deviation (ppm)	3.84	3.36

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)	
(°C)	5310 MHz	5550 MHz
-30	5309.9820	5549.9836
-20	5309.9816	5549.9832
-10	5309.9812	5549.9829
0	5309.9809	5549.9825
10	5309.9805	5549.9822
20	5309.9801	5549.9819
30	5309.9792	5549.9815
40	5309.9789	5549.9812
50	5309.9820	5549.9836
Max. Deviation (MHz)	0.021082	0.018847
Max. Deviation (ppm)	3.97	3.40

Mode: 80 MHz

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)	
(V)	5290 MHz	5530 MHz
126.50	5289.9800	5529.9835
110.00	5289.9792	5529.9813
93.50	5289.9787	5529.9805
Max. Deviation (MHz)	0.021270	0.019540
Max. Deviation (ppm)	4.02	3.53

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)	
(°C)	5290 MHz	5530 MHz
-30	5289.9804	5529.9825
-20	5289.9800	5529.9821
-10	5289.9798	5529.9818
0	5289.9796	5529.9816
10	5289.9792	5529.9813
20	5289.9789	5529.9810
30	5289.9786	5529.9809
40	5289.9783	5529.9807
50	5289.9804	5529.9825
Max. Deviation (MHz)	0.021689	0.019322
Max. Deviation (ppm)	4.10	3.49

<For Radio 3>

Temperature	25℃	Humidity	55%
Test Engineer	Clemens Fang	Test Date	Jul. 08, 2015

Mode: 20 MHz

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)	
(V)	5300 MHz	5580 MHz
126.50	5300.0065	5580.0052
110.00	5300.0056	5580.0048
93.50	5300.0052	5580.0043
Max. Deviation (MHz)	0.006510	0.005210
Max. Deviation (ppm)	1.23	0.93

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)	
(°C)	5300 MHz	5580 MHz
-20	5300.0059	5580.0052
-10	5300.0058	5580.0051
0	5300.0057	5580.0050
10	5300.0057	5580.0049
20	5300.0056	5580.0048
30	5300.0056	5580.0047
40	5300.0055	5580.0047
50	5300.0054	5580.0046
Max. Deviation (MHz)	0.005850	0.005180
Max. Deviation (ppm)	1.10	0.93

Mode: 40 MHz

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)	
(V)	5310 MHz	5550 MHz
126.50	5310.0048	5550.0051
110.00	5310.0043	5550.0043
93.50	5310.0035	5550.0039
Max. Deviation (MHz)	0.004780	0.005080
Max. Deviation (ppm)	0.90	0.92

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)	
(°C)	5310 MHz	5550 MHz
-30	5310.0049	5550.0047
-20	5310.0048	5550.0047
-10	5310.0046	5550.0045
0	5310.0045	5550.0045
10	5310.0043	5550.0043
20	5310.0044	5550.0042
30	5310.0042	5550.0041
40	5310.0041	5550.0039
50	5310.0049	5550.0047
Max. Deviation (MHz)	0.004940	0.004740
Max. Deviation (ppm)	0.93	0.85

Mode: 80 MHz

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)	
(V)	5290 MHz	5530 MHz
126.50	5290.0039	5530.0048
110.00	5290.0035	5530.0043
93.50	5290.0026	5530.0039
Max. Deviation (MHz)	0.003910	0.004780
Max. Deviation (ppm)	0.74	0.86

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)	
(°C)	5290 MHz	5530 MHz
-30	5290.0039	5530.0047
-20	5290.0037	5530.0046
-10	5290.0036	5530.0045
0	5290.0036	5530.0044
10	5290.0035	5530.0043
20	5290.0034	5530.0043
30	5290.0033	5530.0042
40	5290.0031	5530.0041
50	5290.0039	5530.0047
Max. Deviation (MHz)	0.003880	0.004690
Max. Deviation (ppm)	0.73	0.85

4.9. Antenna Requirements

4.9.1. 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.

4.9.2. Antenna Connector Construction

Please refer to section 3.3 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 (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 12, 2015	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 28, 2014	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2014	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Feb. 24, 2015	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 12, 2015	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Nov. 25, 2014	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 06, 2014	Radiation (03CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8.4GHz	Jan. 21, 2015	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	1 GHz ~ 40 GHz	Nov. 15, 2014	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 12, 2014	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 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%