4.6. Radiated Emissions Measurement

4.6.1. 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

4.6.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	40 GHz
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

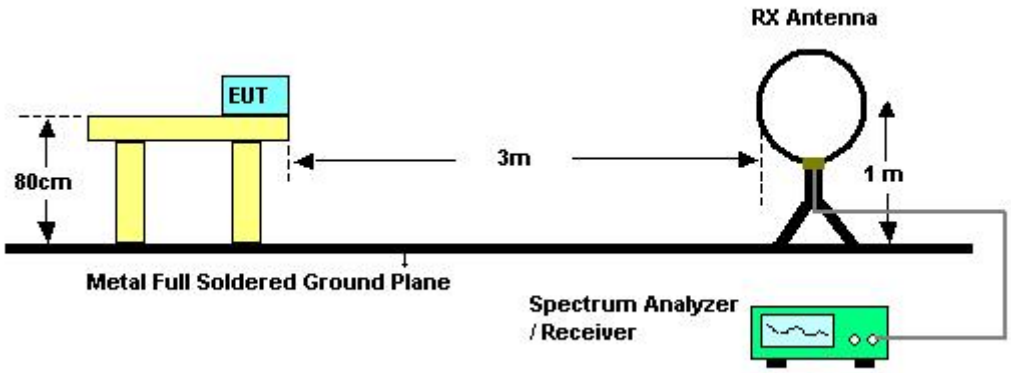
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

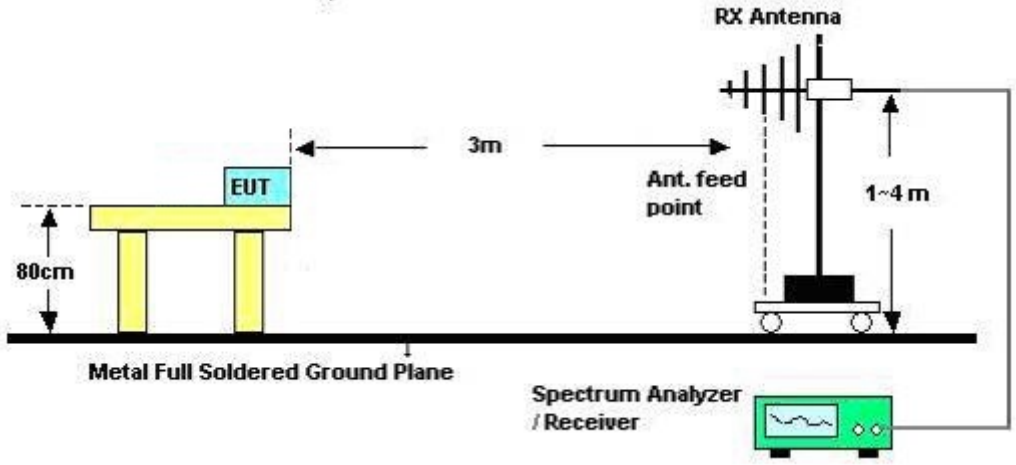
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and 3MHz RBW for peak reading. Then 1MHz RBW and 1/T VBW for average reading in spectrum analyzer.
7. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
8. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
9. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

4.6.4. Test Setup Layout

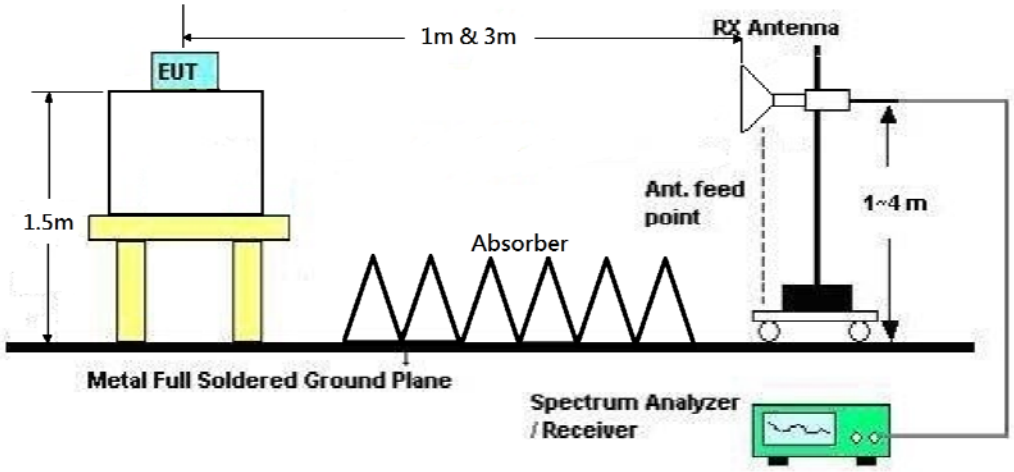
For Radiated Emissions: 9kHz ~30MHz



For Radiated Emissions: 30MHz~1GHz



For Radiated Emissions: Above 1GHz



4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

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

Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	Normal Link / Mode 3
Test Date	Jul. 08, 2015		

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

Note:

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

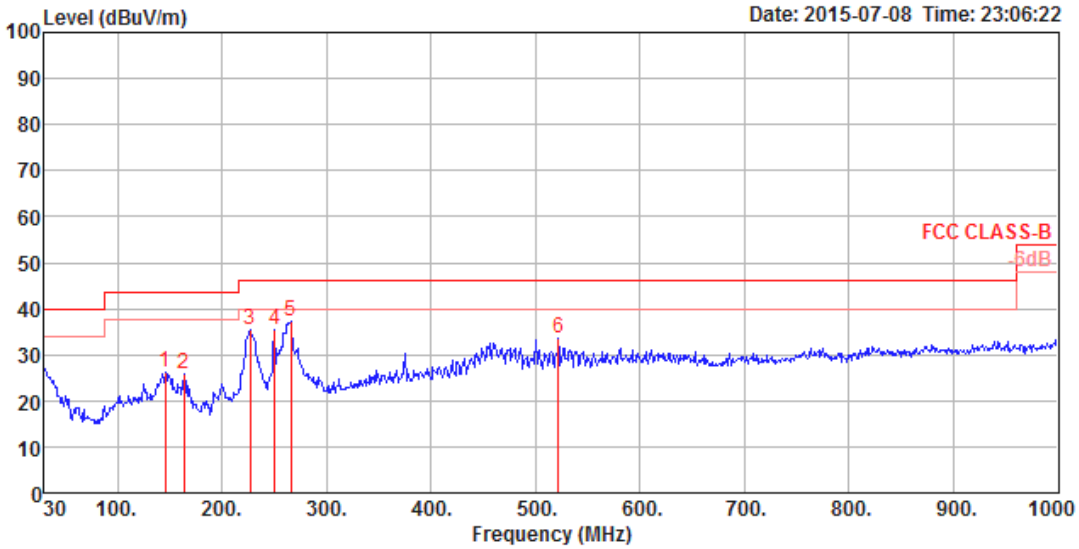
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

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

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

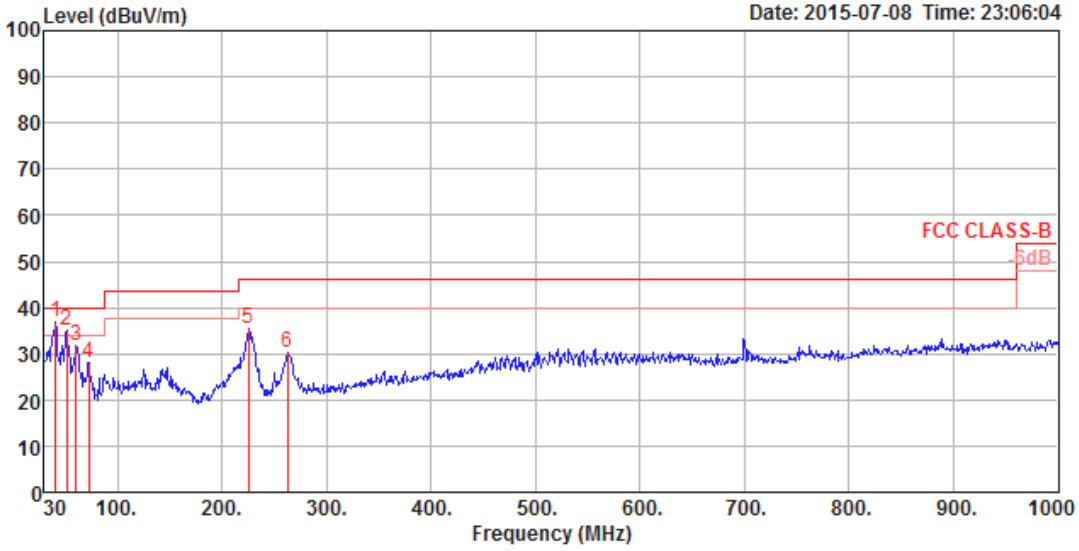
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	Normal Link / Mode 3

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	145.43	26.29	43.50	-17.21	45.95	1.09	11.61	32.36	200	138	Peak	HORIZONTAL
2	163.86	25.83	43.50	-17.67	46.40	1.17	10.61	32.35	200	138	Peak	HORIZONTAL
3	226.91	35.27	46.00	-10.73	55.13	1.33	11.12	32.31	150	102	Peak	HORIZONTAL
4	250.19	35.46	46.00	-10.54	53.48	1.38	12.90	32.30	200	114	Peak	HORIZONTAL
5	265.71	37.23	46.00	-8.77	54.37	1.42	13.74	32.30	100	102	Peak	HORIZONTAL
6	521.79	33.40	46.00	-12.60	45.63	1.94	18.19	32.36	100	293	Peak	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	40.67	36.75	40.00	-3.25	54.80	0.67	13.69	32.41	100	239	Peak	VERTICAL
2	51.34	35.21	40.00	-4.79	58.17	0.73	8.72	32.41	125	356	Peak	VERTICAL
3	60.07	31.57	40.00	-8.43	56.30	0.77	6.90	32.40	100	343	Peak	VERTICAL
4	72.68	27.98	40.00	-12.02	52.54	0.83	7.01	32.40	125	165	Peak	VERTICAL
5	224.97	35.44	46.00	-10.56	55.42	1.32	11.02	32.32	100	83	Peak	VERTICAL
6	262.80	30.16	46.00	-15.84	47.23	1.41	13.82	32.30	200	191	Peak	VERTICAL

Note:

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

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

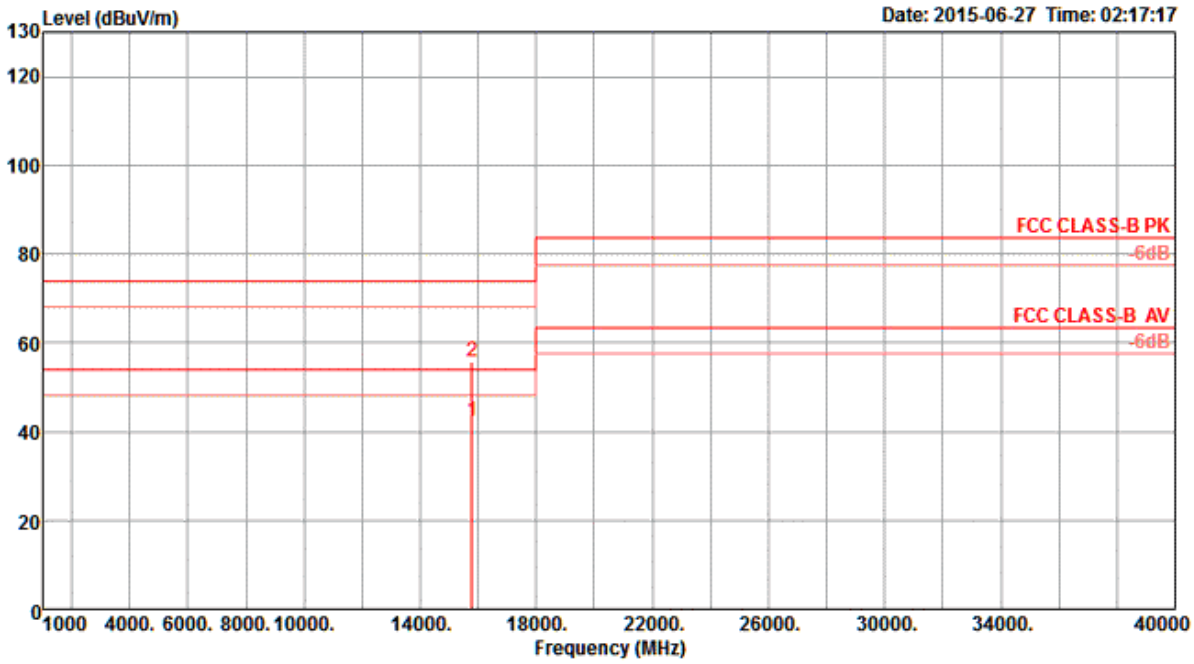
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

4.6.9. Results for Radiated Emissions (1GHz~40GHz)

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

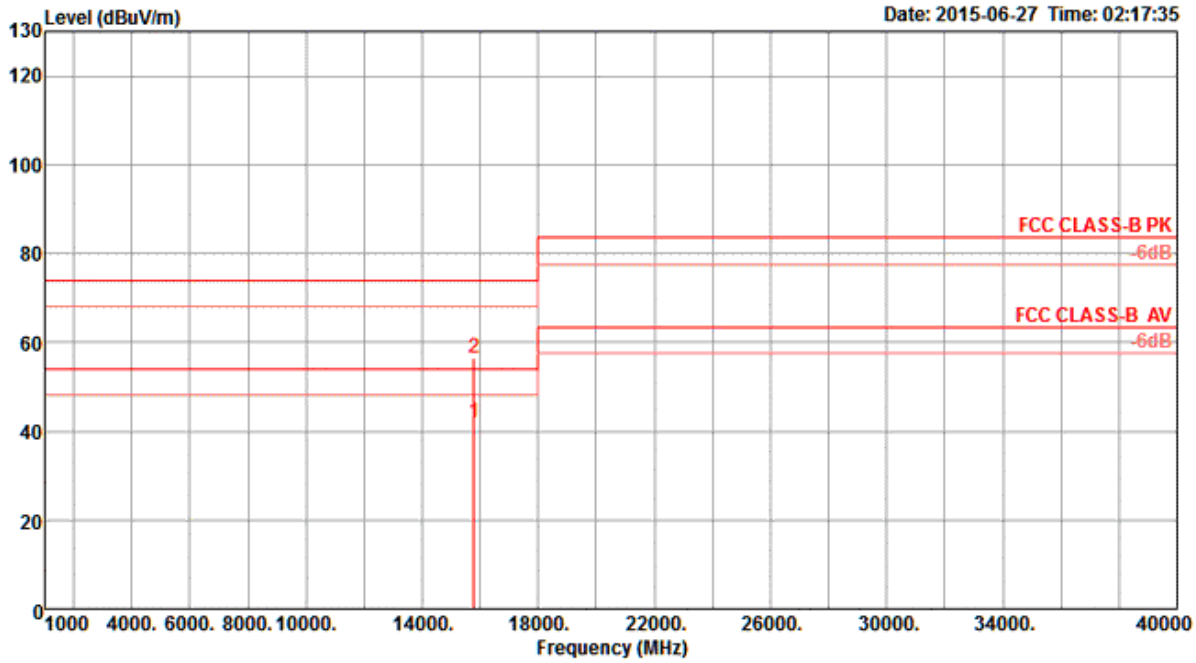
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15779.56	42.47	54.00	-11.53	31.07	7.64	38.60	34.84	72	150	Average	HORIZONTAL
2	15779.67	55.70	74.00	-18.30	44.30	7.64	38.60	34.84	72	150	Peak	HORIZONTAL

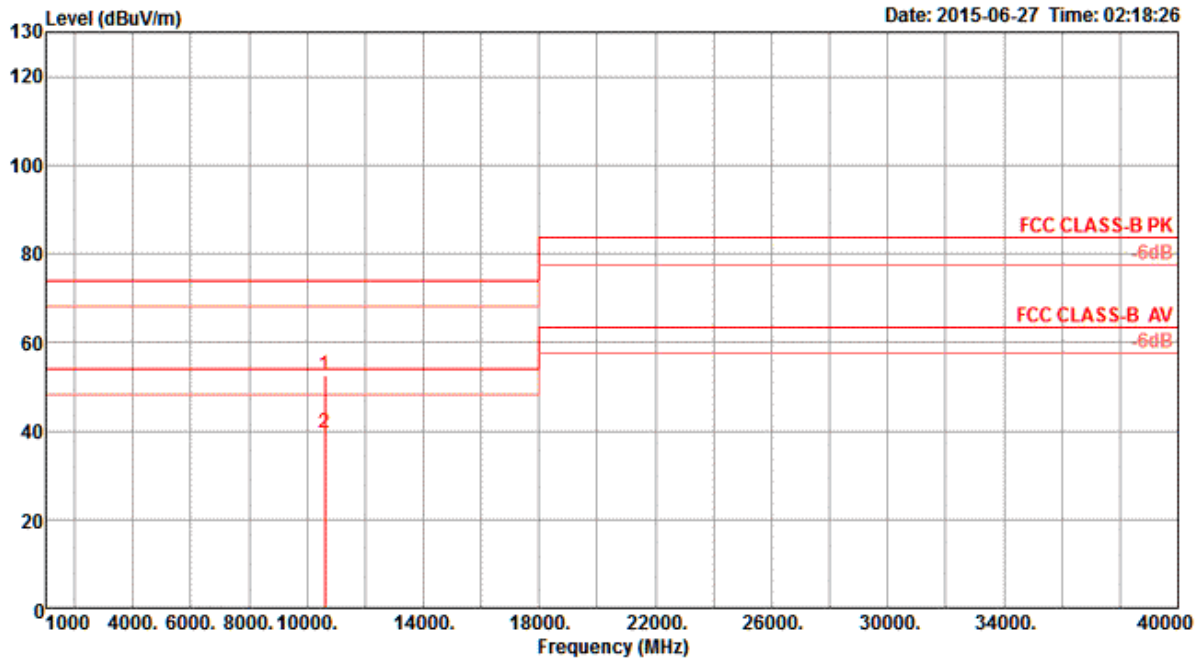
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15779.95	42.17	54.00	-11.83	30.77	7.64	38.60	34.84	79	150	Average	VERTICAL
2	15780.13	56.53	74.00	-17.47	45.13	7.64	38.60	34.84	79	150	Peak	VERTICAL

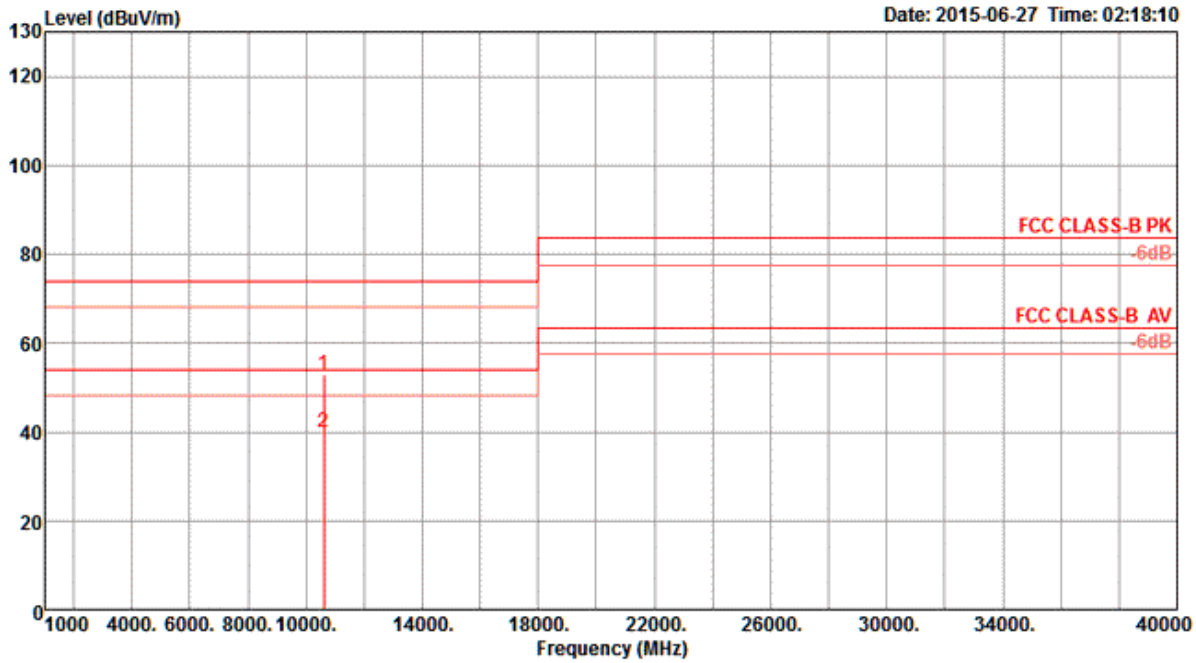
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10603.43	52.59	74.00	-21.41	42.53	6.21	38.78	34.93	96	150	Peak	HORIZONTAL
2	10604.47	39.63	54.00	-14.37	29.57	6.21	38.78	34.93	96	150	Average	HORIZONTAL

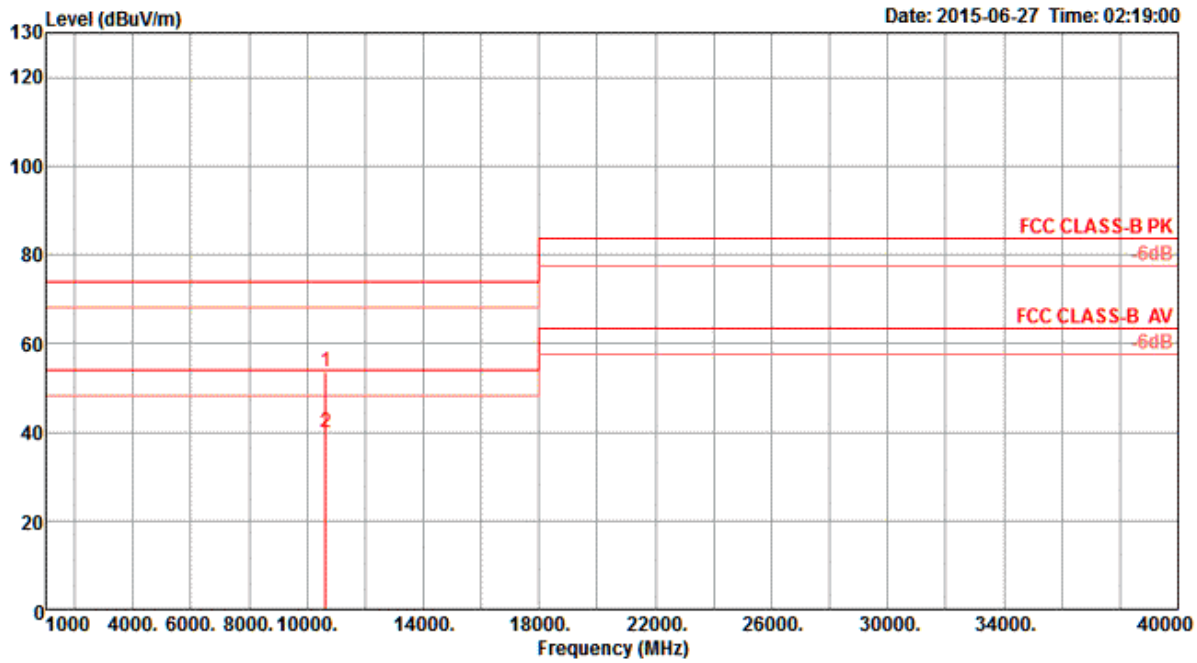
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.59	52.86	74.00	-21.14	42.82	6.21	38.78	34.95	89	150	Peak	VERTICAL
2	10601.16	39.80	54.00	-14.20	29.74	6.21	38.78	34.93	89	150	Average	VERTICAL

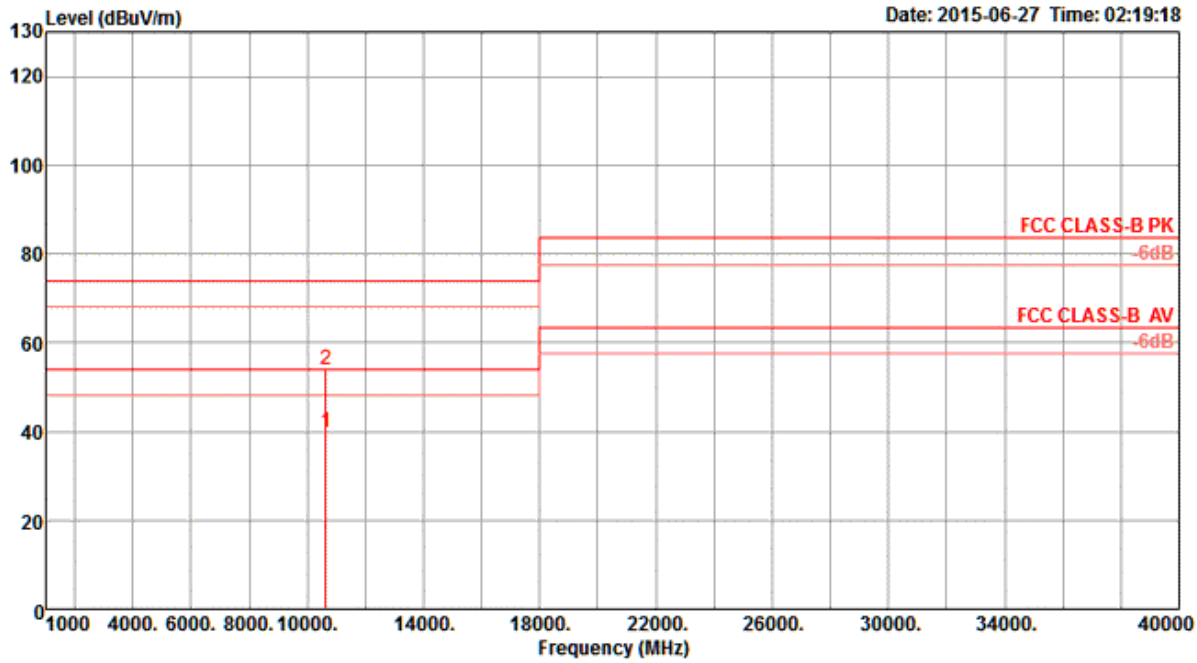
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.00	53.64	74.00	-20.36	43.55	6.23	38.77	34.91	116	150	Peak	HORIZONTAL
2	10640.50	39.99	54.00	-14.01	29.90	6.23	38.77	34.91	116	150	Average	HORIZONTAL

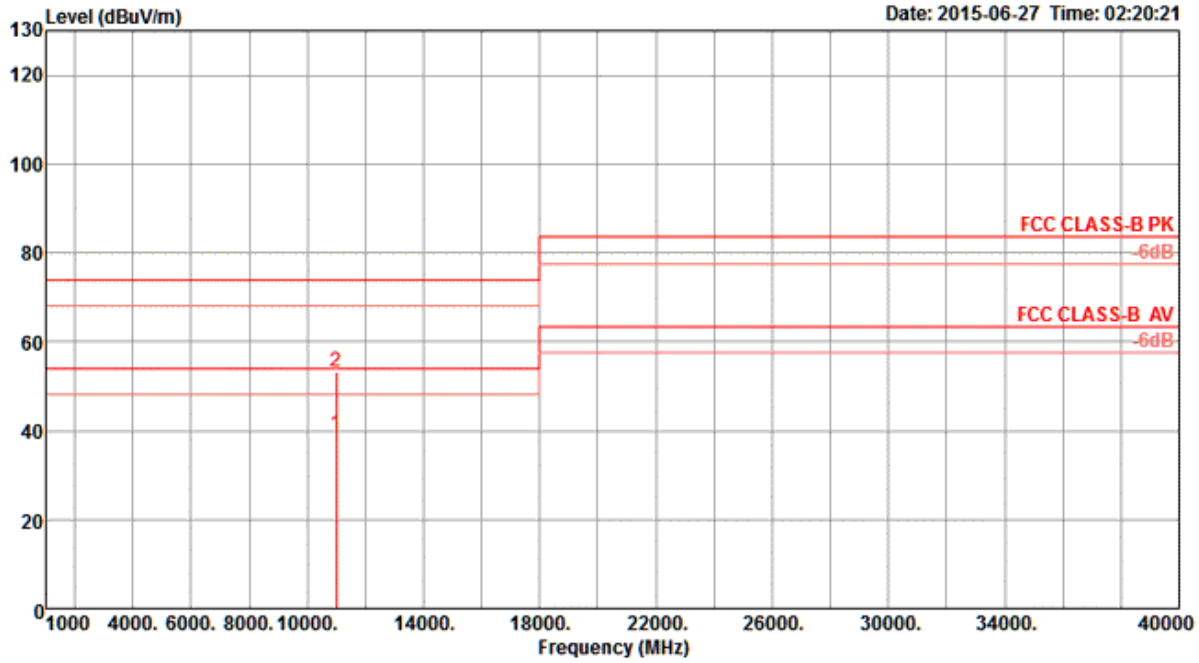
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10639.20	39.91	54.00	-14.09	29.82	6.23	38.77	34.91	119	150	Average	VERTICAL
2	10639.29	54.10	74.00	-19.90	44.01	6.23	38.77	34.91	119	150	Peak	VERTICAL

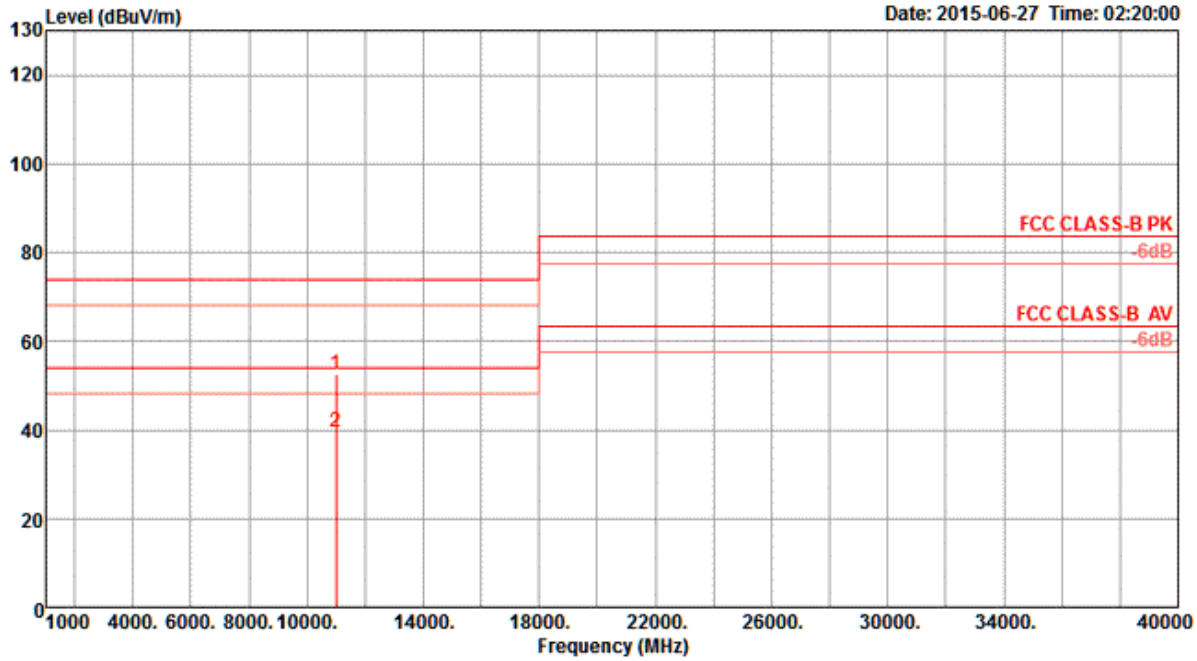
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11000.50	39.15	54.00	-14.85	28.71	6.40	38.70	34.66	142	150	Average	HORIZONTAL
2	11000.79	53.20	74.00	-20.80	42.76	6.40	38.70	34.66	142	150	Peak	HORIZONTAL

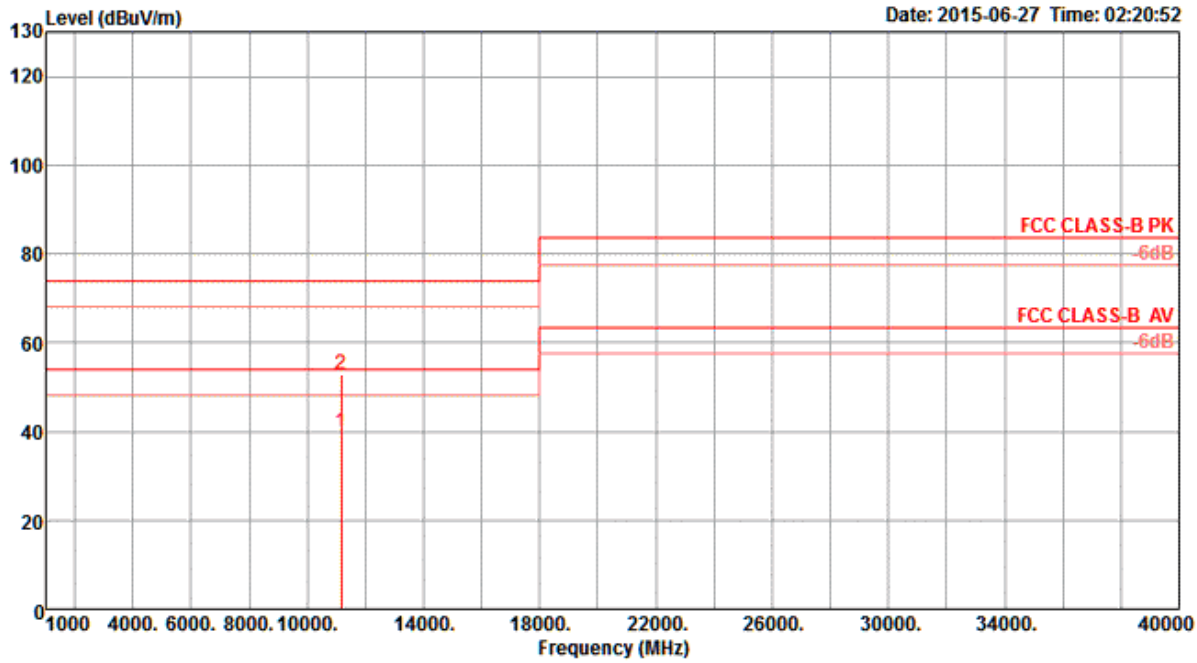
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10999.19	52.56	74.00	-21.44	42.12	6.40	38.70	34.66	124	150	Peak	VERTICAL
2	11000.91	39.44	54.00	-14.56	29.00	6.40	38.70	34.66	124	150	Average	VERTICAL

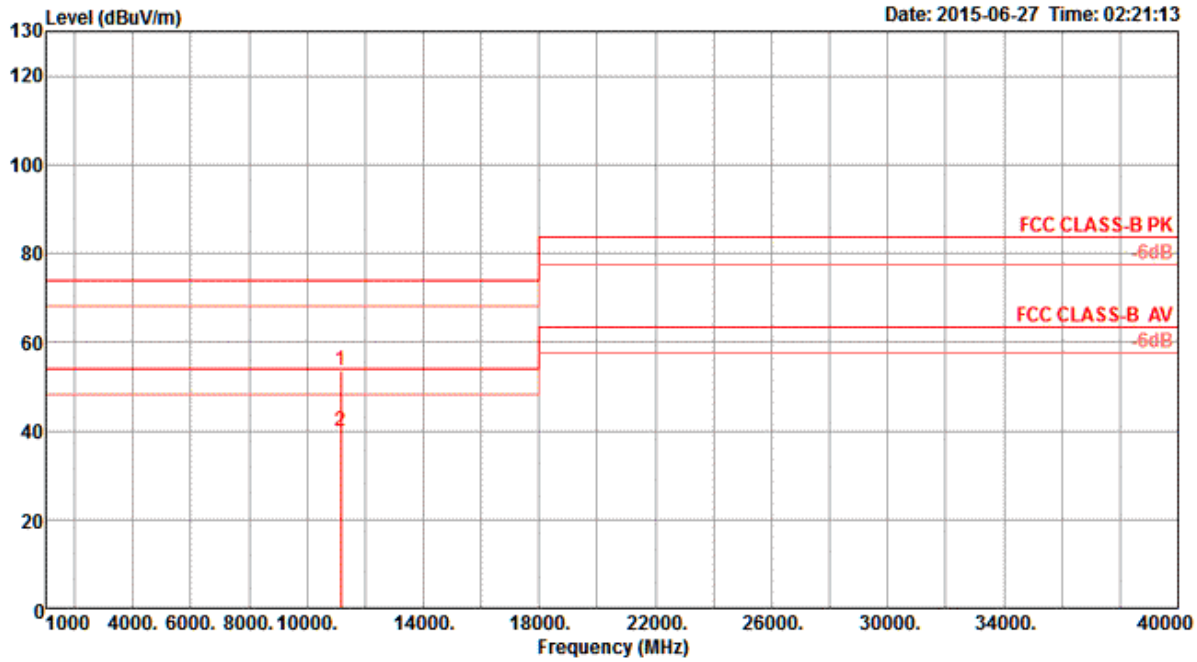
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11160.72	39.97	54.00	-14.03	29.48	6.44	38.70	34.65	152	150	Average	HORIZONTAL
2	11160.98	52.69	74.00	-21.31	42.20	6.44	38.70	34.65	152	150	Peak	HORIZONTAL

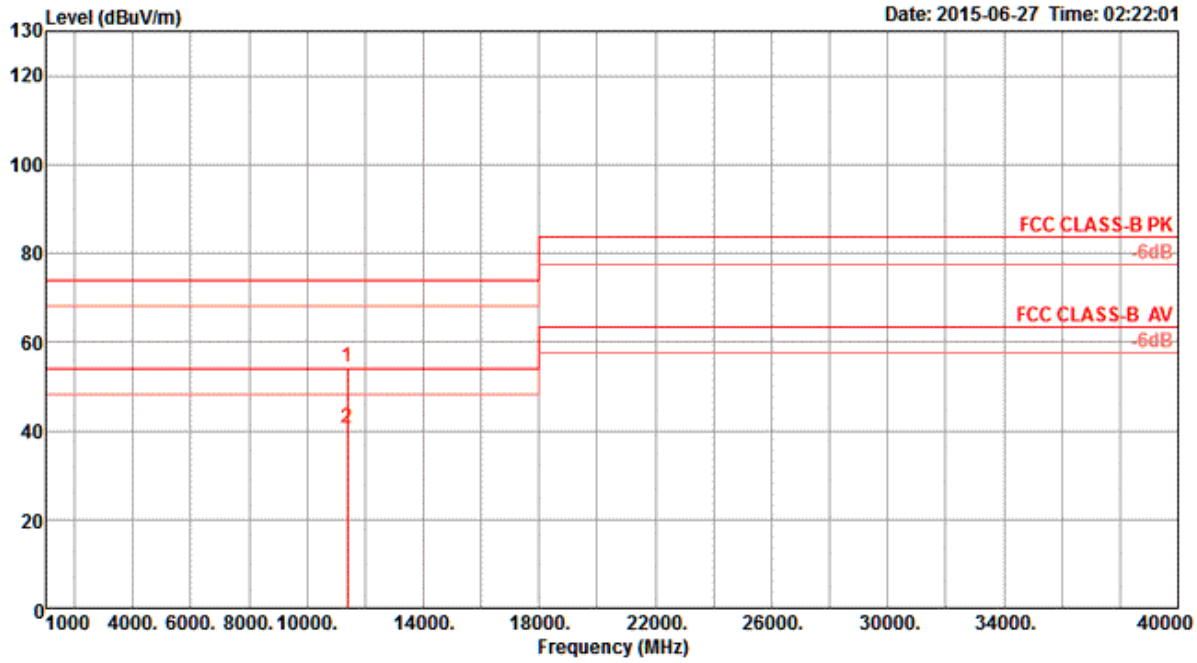
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11160.07	53.62	74.00	-20.38	43.13	6.44	38.70	34.65	162	150	Peak	VERTICAL
2	11160.88	39.71	54.00	-14.29	29.22	6.44	38.70	34.65	162	150	Average	VERTICAL

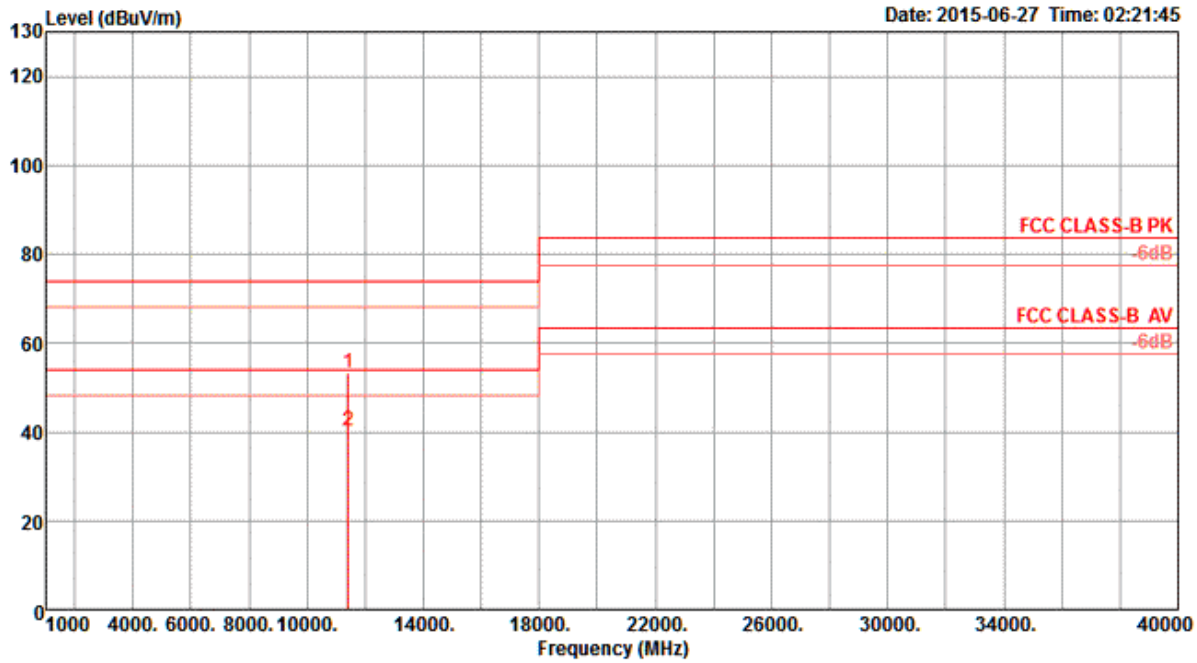
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11399.61	54.18	74.00	-19.82	43.60	6.51	38.70	34.63	175	150	Peak	HORIZONTAL
2	11399.88	40.47	54.00	-13.53	29.89	6.51	38.70	34.63	175	150	Average	HORIZONTAL

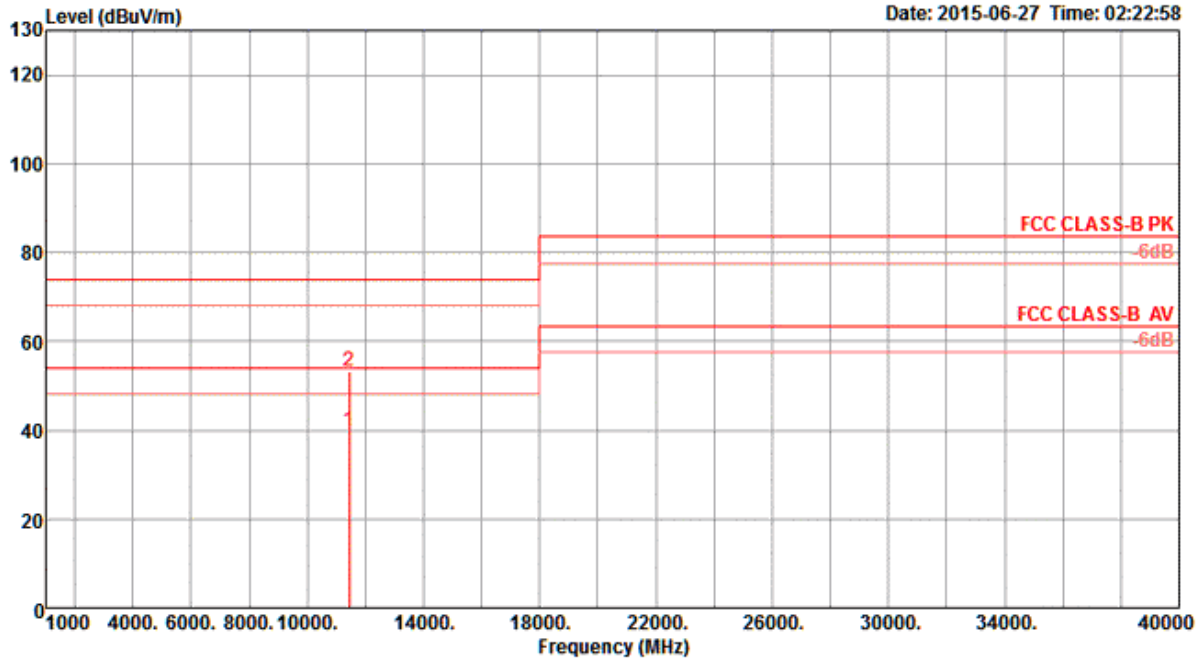
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11400.19	53.29	74.00	-20.71	42.71	6.51	38.70	34.63	172	150	Peak	VERTICAL
2	11400.78	40.08	54.00	-13.92	29.50	6.51	38.70	34.63	172	150	Average	VERTICAL

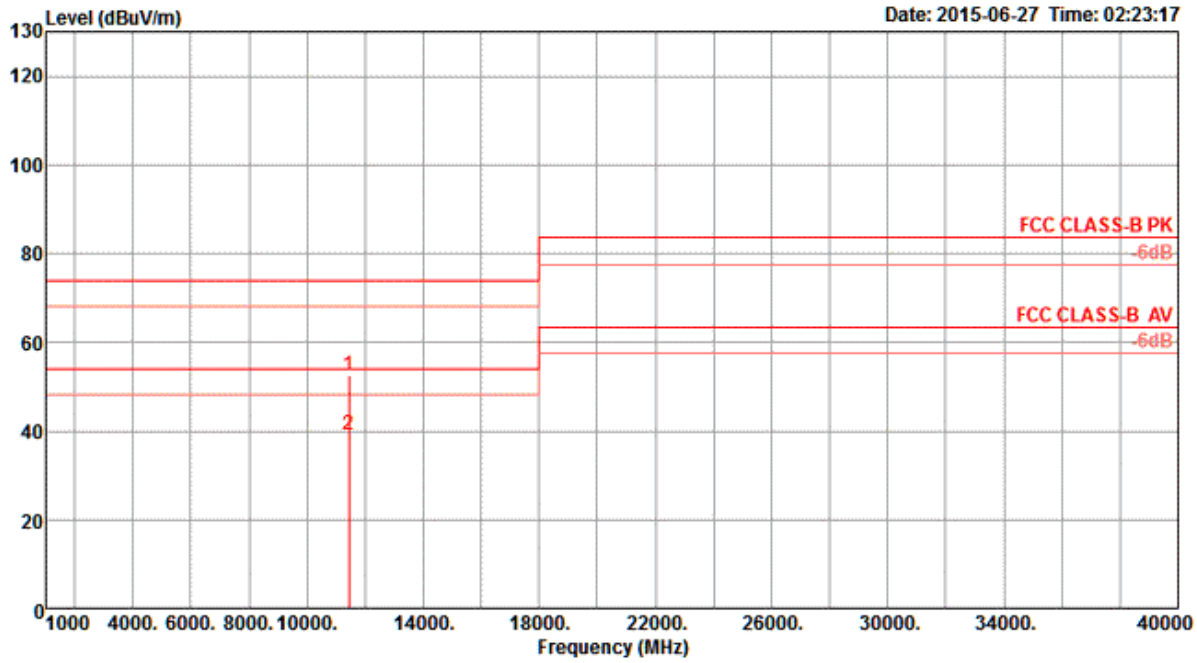
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11439.38	40.01	54.00	-13.99	29.42	6.52	38.70	34.63	183	150	Average	HORIZONTAL
2	11439.70	53.31	74.00	-20.69	42.72	6.52	38.70	34.63	183	150	Peak	HORIZONTAL

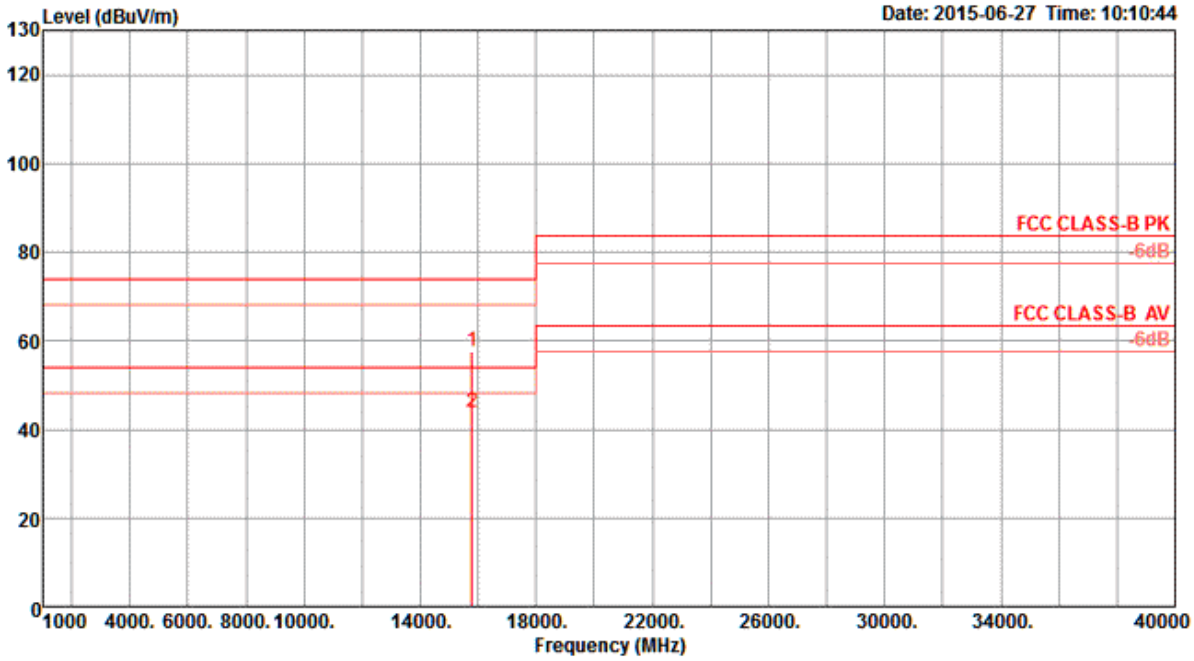
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11439.66	52.57	74.00	-21.43	41.98	6.52	38.70	34.63	200	150	Peak	VERTICAL
2	11440.22	39.15	54.00	-14.85	28.56	6.52	38.70	34.63	200	150	Average	VERTICAL

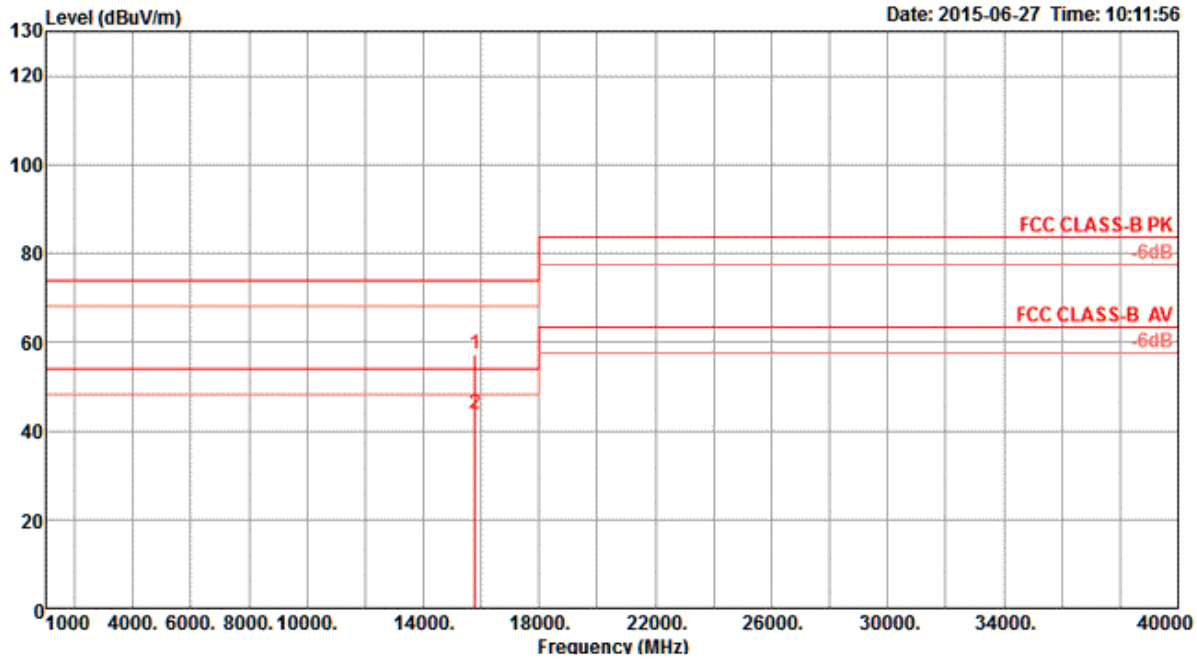
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15777.44	57.75	74.00	-16.25	46.35	7.64	38.60	34.84	65	154	Peak	HORIZONTAL
2	15784.92	43.93	54.00	-10.07	32.50	7.64	38.63	34.84	65	154	Average	HORIZONTAL

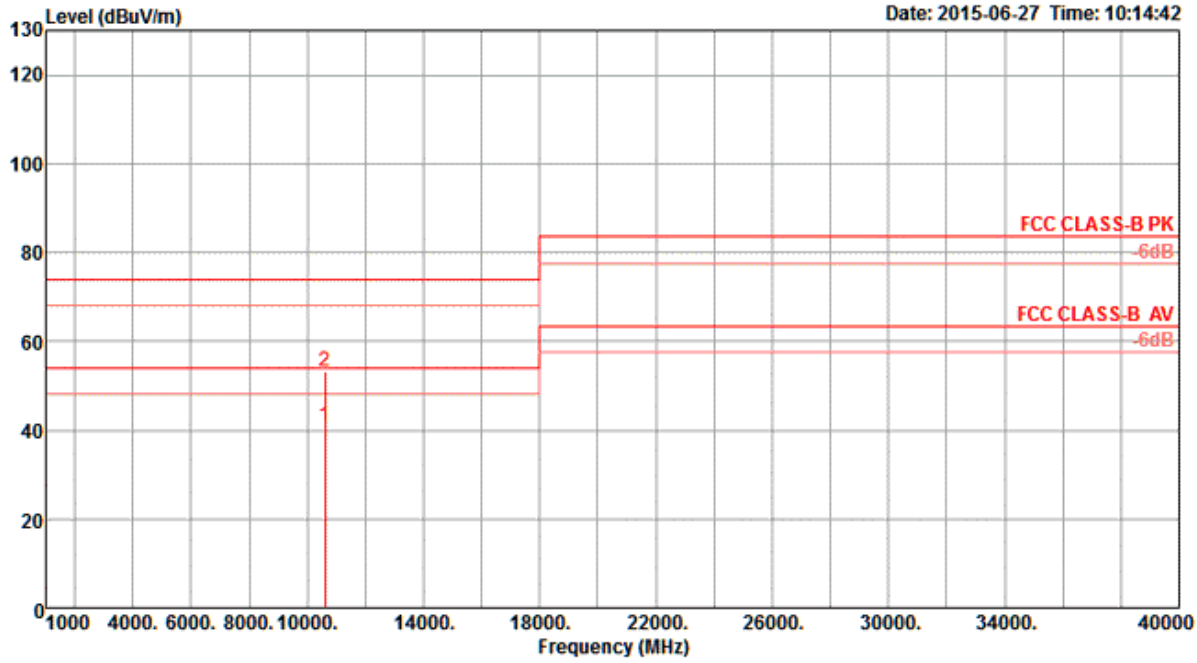
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15783.52	57.37	74.00	-16.63	45.94	7.64	38.63	34.84	56	163	Peak	VERTICAL
2	15784.28	43.78	54.00	-10.22	32.35	7.64	38.63	34.84	56	163	Average	VERTICAL

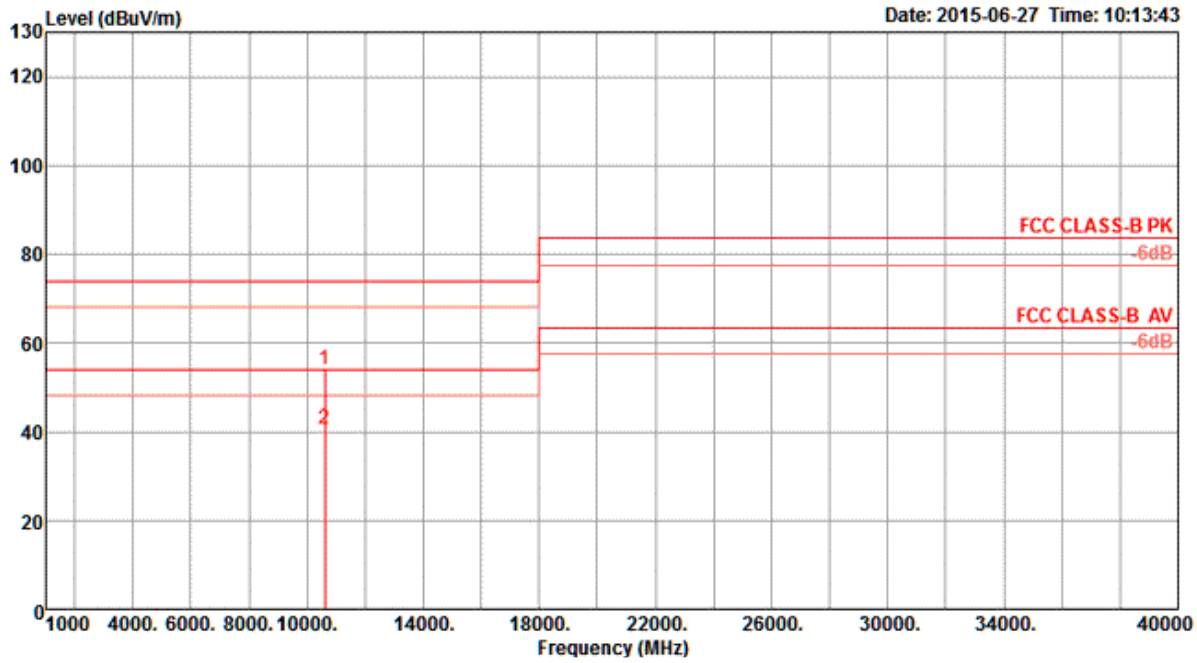
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10603.62	41.01	54.00	-12.99	30.95	6.21	38.78	34.93	151	136	Average	HORIZONTAL
2	10612.13	53.29	74.00	-20.71	43.23	6.21	38.78	34.93	151	136	Peak	HORIZONTAL

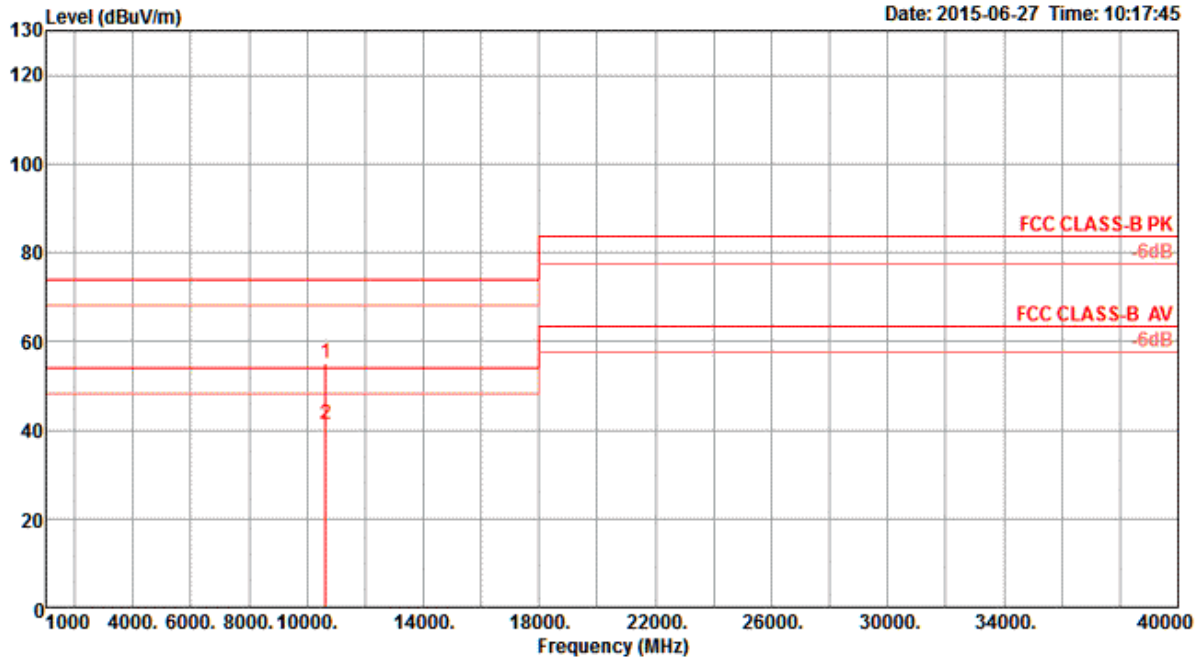
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10601.76	53.90	74.00	-20.10	43.84	6.21	38.78	34.93	113	119	Peak	VERTICAL
2	10603.69	40.72	54.00	-13.28	30.66	6.21	38.78	34.93	113	119	Average	VERTICAL

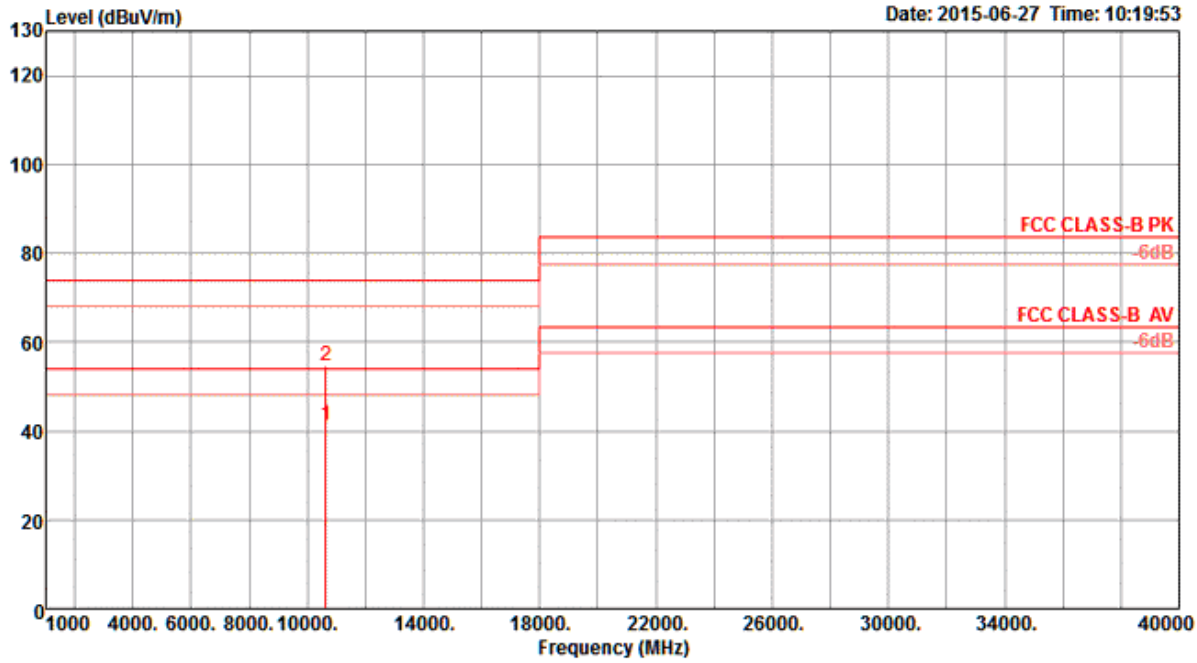
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10636.69	54.99	74.00	-19.01	44.90	6.23	38.77	34.91	203	158	Peak	HORIZONTAL
2	10642.17	41.13	54.00	-12.87	31.04	6.23	38.77	34.91	203	158	Average	HORIZONTAL

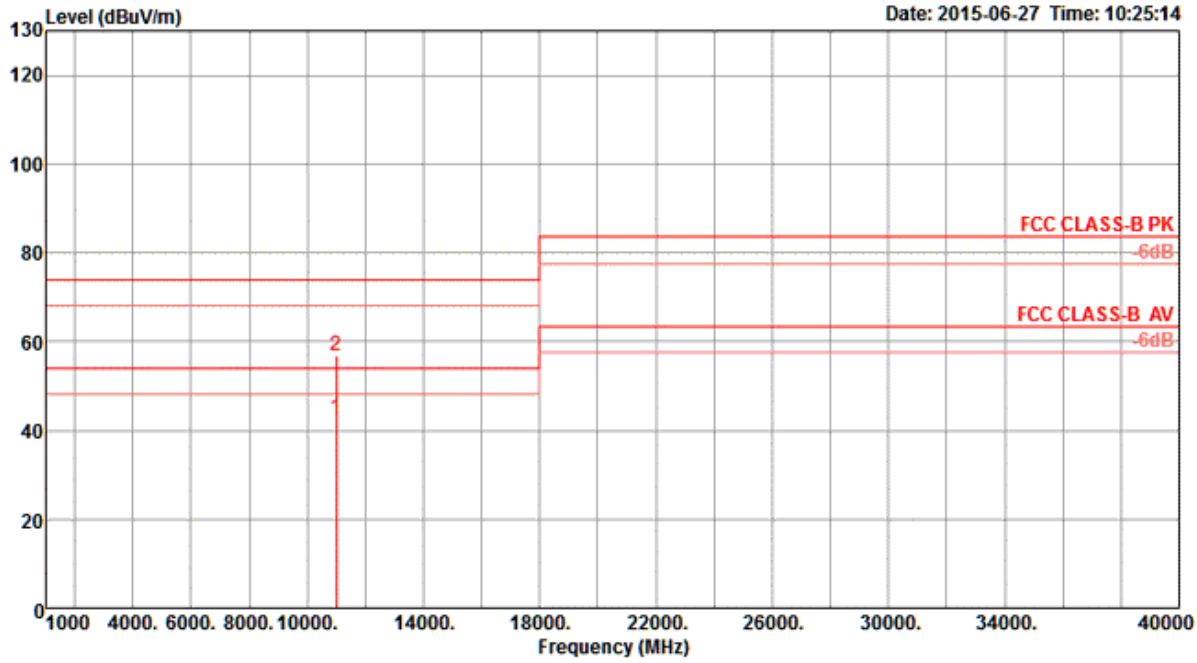
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10641.43	41.20	54.00	-12.80	31.11	6.23	38.77	34.91	175	175	Average	VERTICAL
2	10642.71	54.53	74.00	-19.47	44.44	6.23	38.77	34.91	175	175	Peak	VERTICAL

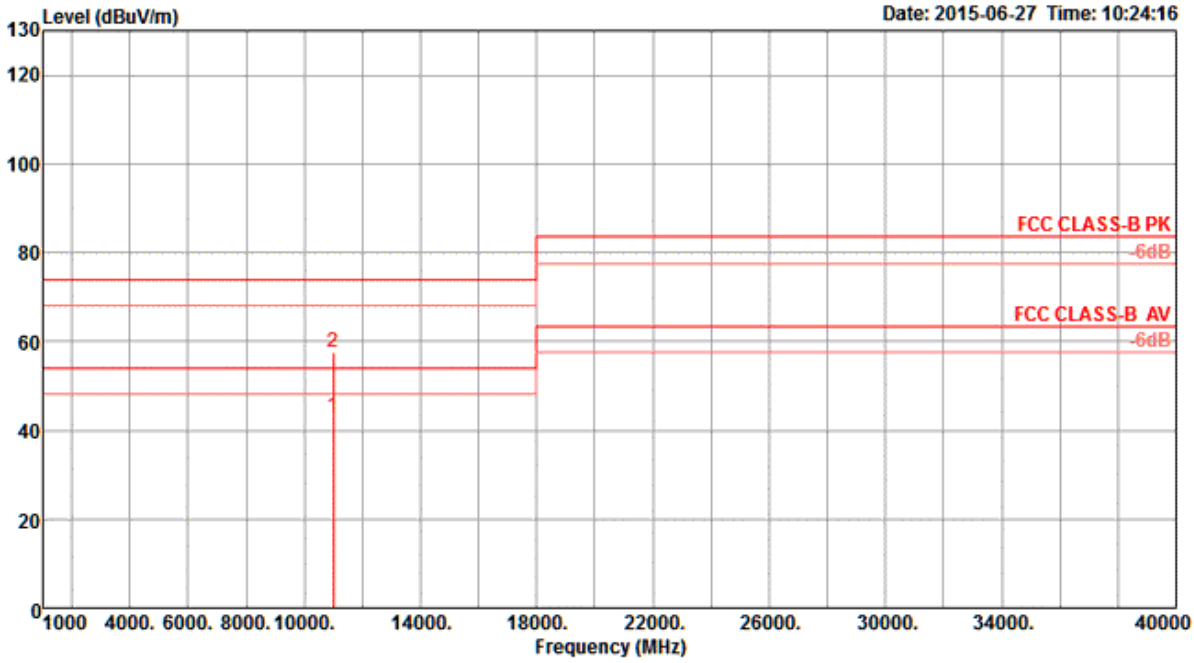
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10993.20	42.88	54.00	-11.12	32.44	6.40	38.70	34.66	124	153	Average	HORIZONTAL
2	10993.98	56.96	74.00	-17.04	46.52	6.40	38.70	34.66	124	153	Peak	HORIZONTAL

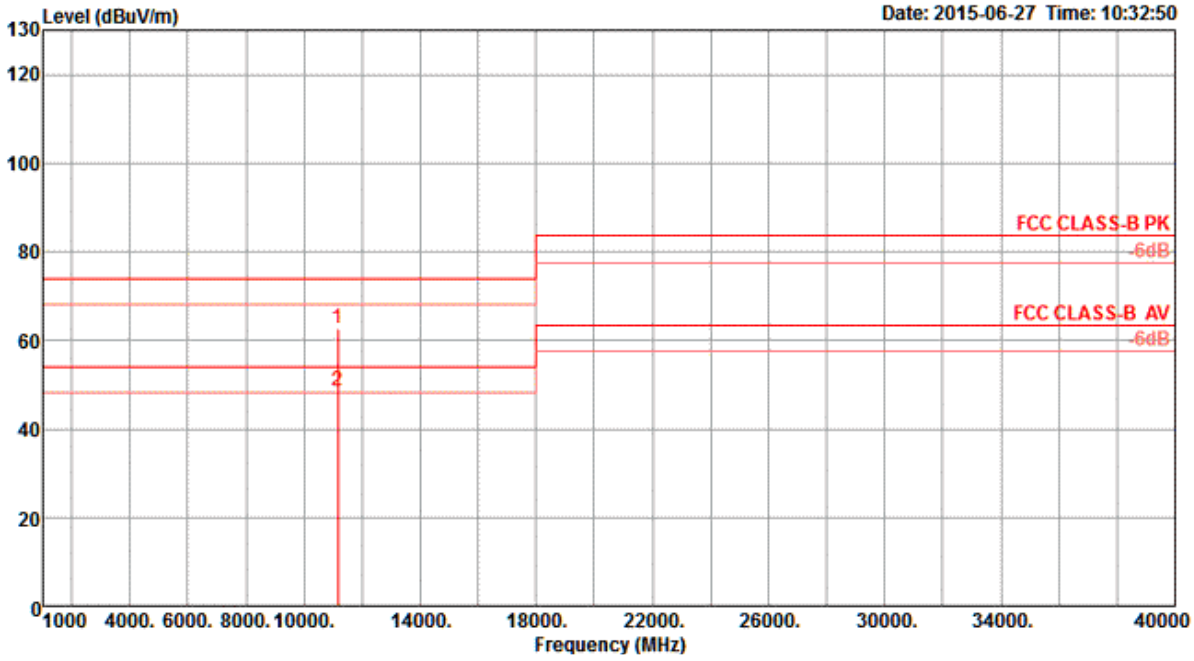
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11000.14	43.18	54.00	-10.82	32.74	6.40	38.70	34.66	179	144	Average	VERTICAL
2	11000.69	57.42	74.00	-16.58	46.98	6.40	38.70	34.66	179	144	Peak	VERTICAL

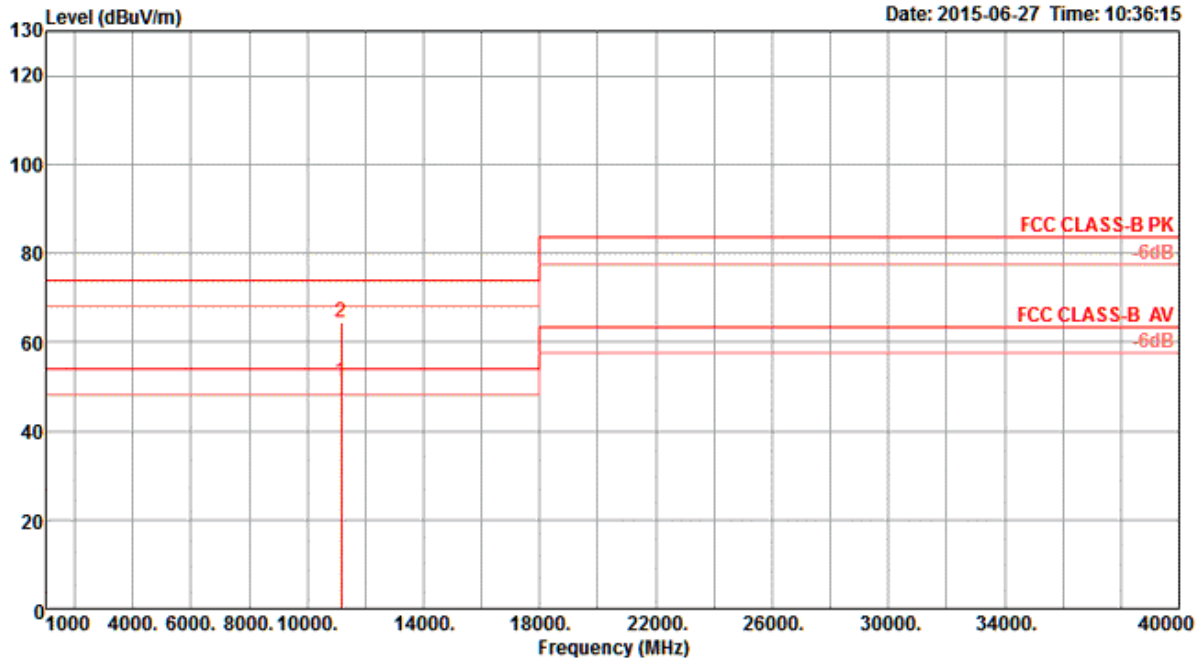
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11162.43	62.74	74.00	-11.26	52.25	6.44	38.70	34.65	86	137	Peak	HORIZONTAL
2	11163.07	48.53	54.00	-5.47	38.04	6.44	38.70	34.65	86	137	Average	HORIZONTAL

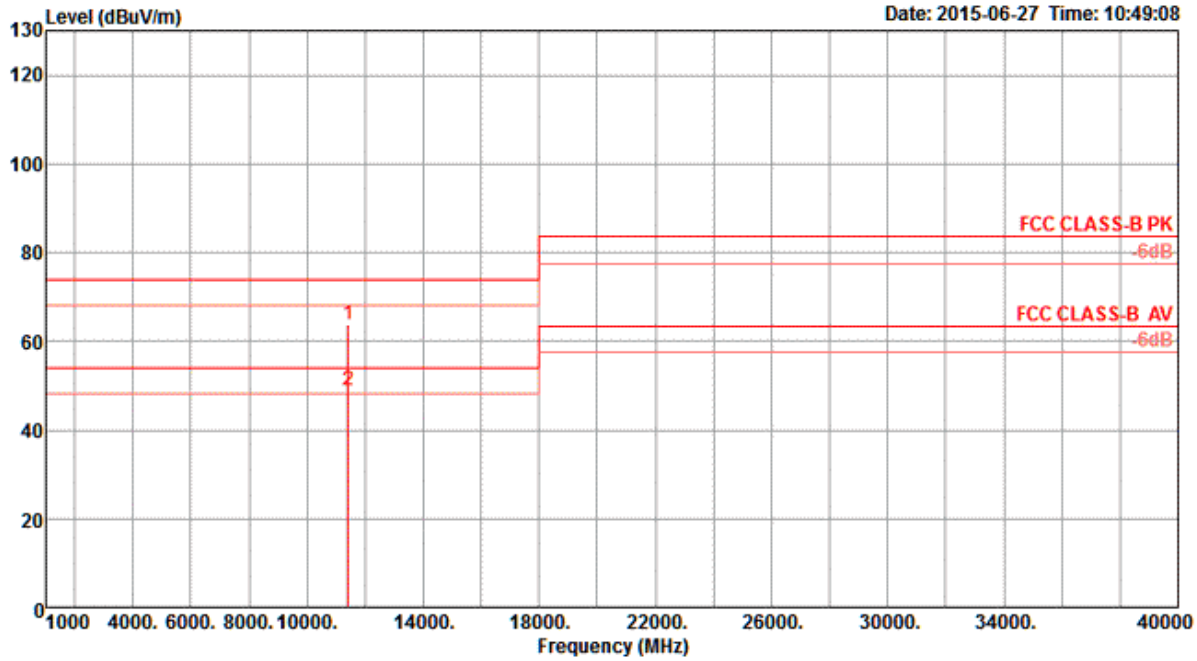
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11157.11	50.96	54.00	-3.04	40.47	6.44	38.70	34.65	181	139	Average	VERTICAL
2	11158.06	64.61	74.00	-9.39	54.12	6.44	38.70	34.65	181	139	Peak	VERTICAL

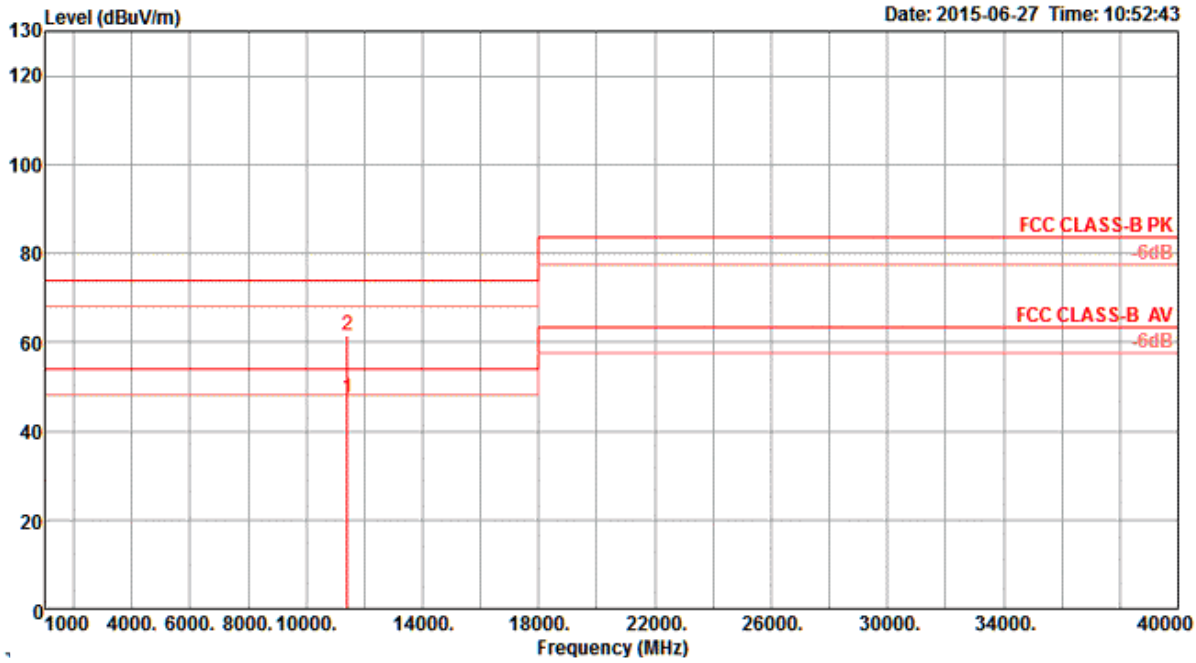
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	Cm		
1	11402.63	63.71	74.00	-10.29	53.13	6.51	38.70	34.63	196	154	Peak	HORIZONTAL
2	11403.04	49.03	54.00	-4.97	38.45	6.51	38.70	34.63	196	154	Average	HORIZONTAL

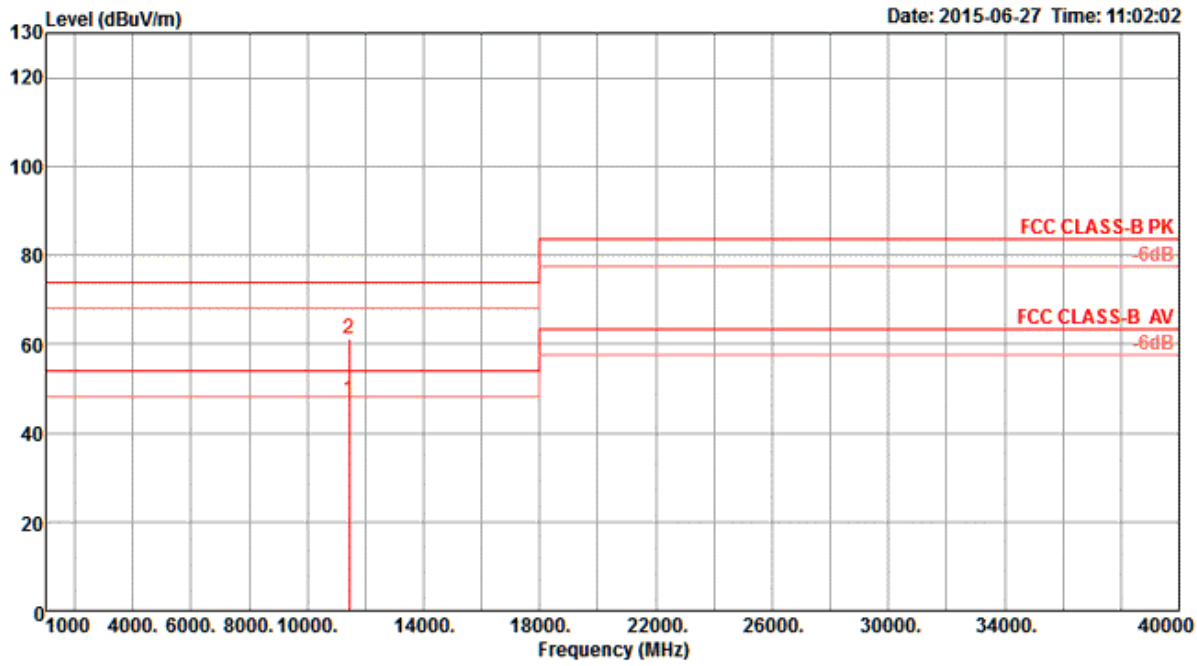
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11400.14	47.33	54.00	-6.67	36.75	6.51	38.70	34.63	160	162	Average	VERTICAL
2	11400.43	61.72	74.00	-12.28	51.14	6.51	38.70	34.63	160	162	Peak	VERTICAL

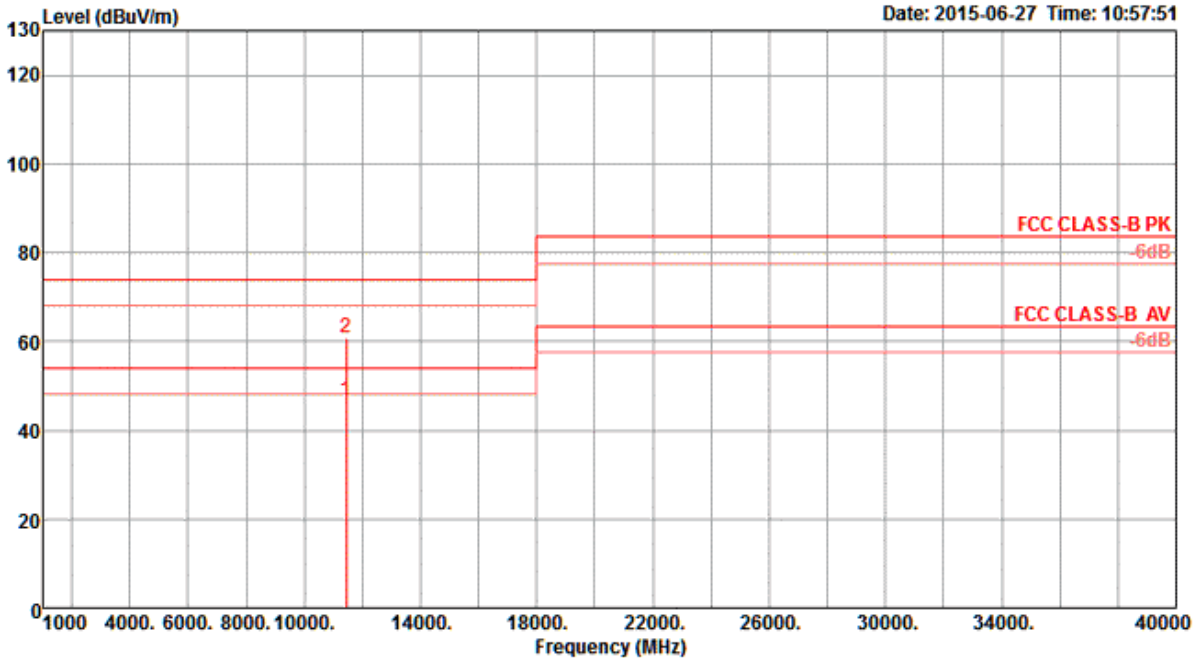
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11439.91	47.55	54.00	-6.45	36.96	6.52	38.70	34.63	147	187	Average	HORIZONTAL
2	11442.66	61.30	74.00	-12.70	50.70	6.52	38.70	34.62	147	187	Peak	HORIZONTAL

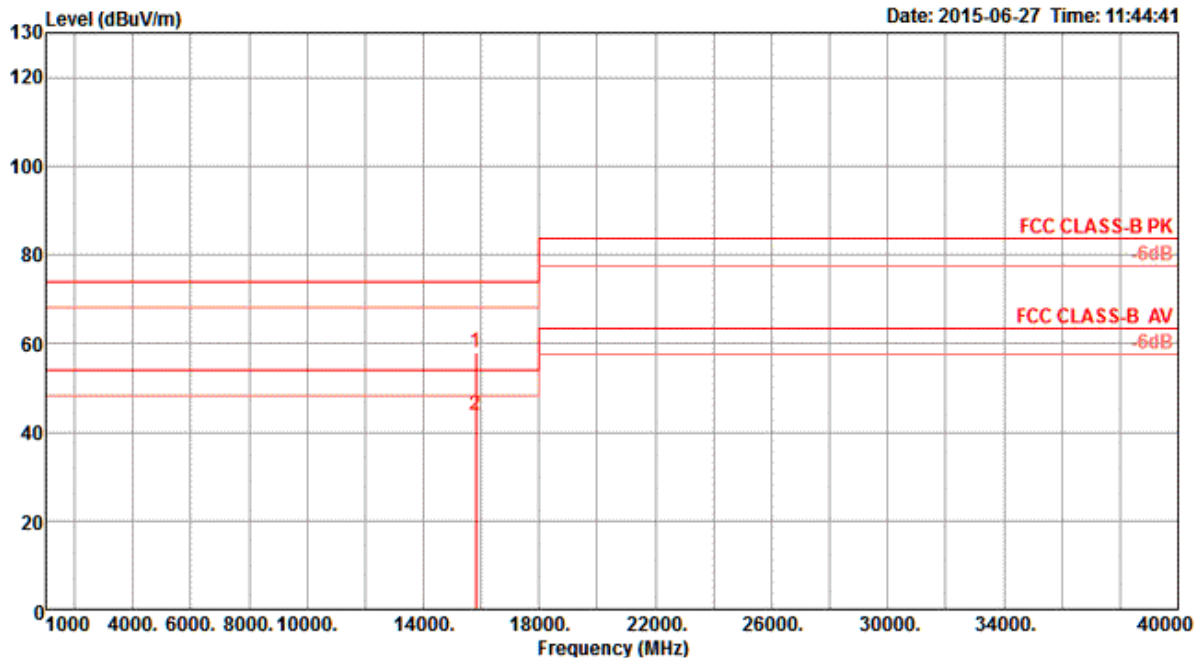
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11440.20	46.89	54.00	-7.11	36.30	6.52	38.70	34.63	163	169	Average	VERTICAL
2	11442.72	61.00	74.00	-13.00	50.40	6.52	38.70	34.62	163	169	Peak	VERTICAL

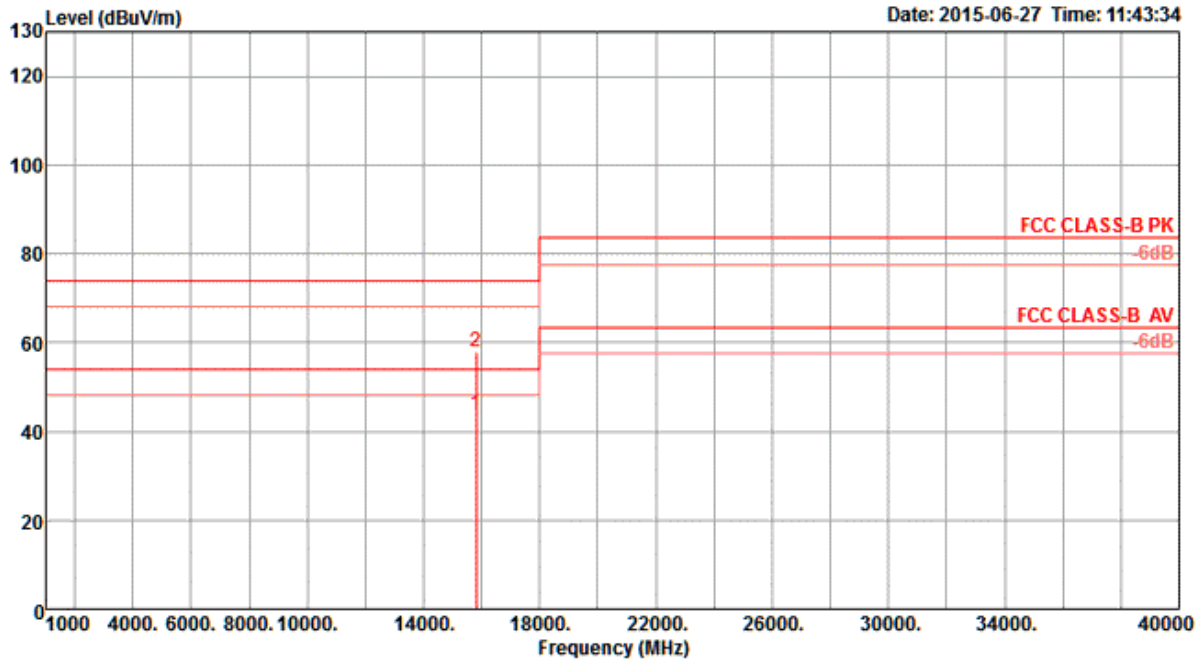
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15807.26	58.12	74.00	-15.88	46.68	7.65	38.66	34.87	177	163	Peak	HORIZONTAL
2	15810.78	43.81	54.00	-10.19	32.37	7.65	38.66	34.87	177	163	Average	HORIZONTAL

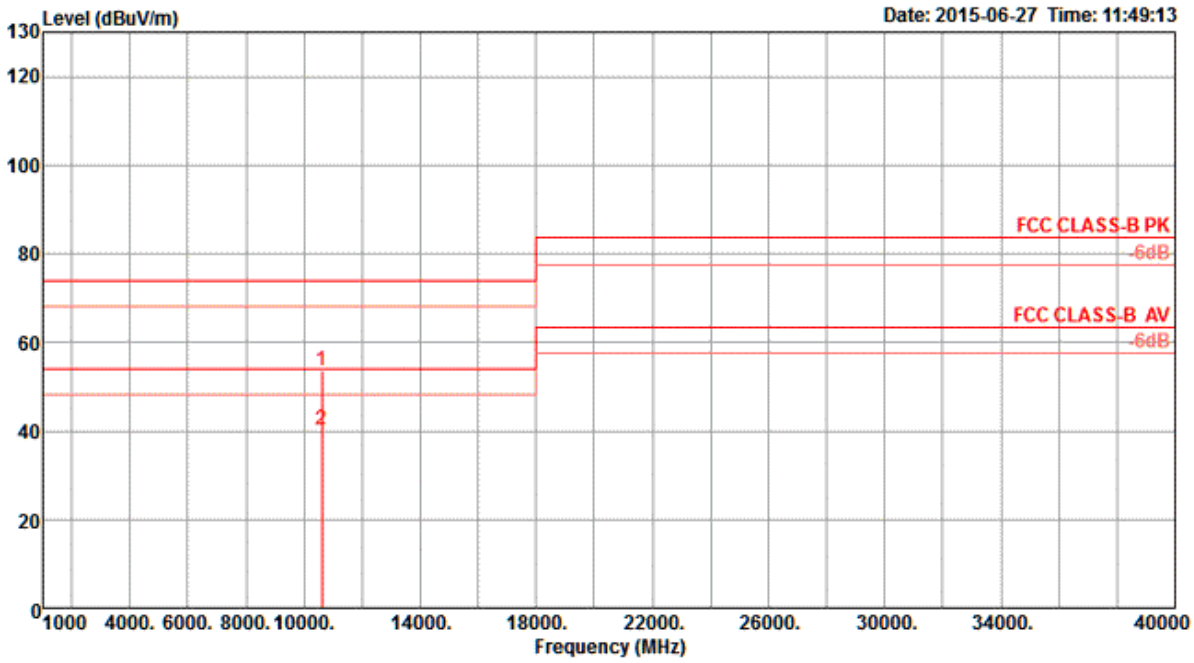
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15807.99	43.88	54.00	-10.12	32.44	7.65	38.66	34.87	190	150	Average	VERTICAL
2	15809.65	57.94	74.00	-16.06	46.50	7.65	38.66	34.87	190	150	Peak	VERTICAL

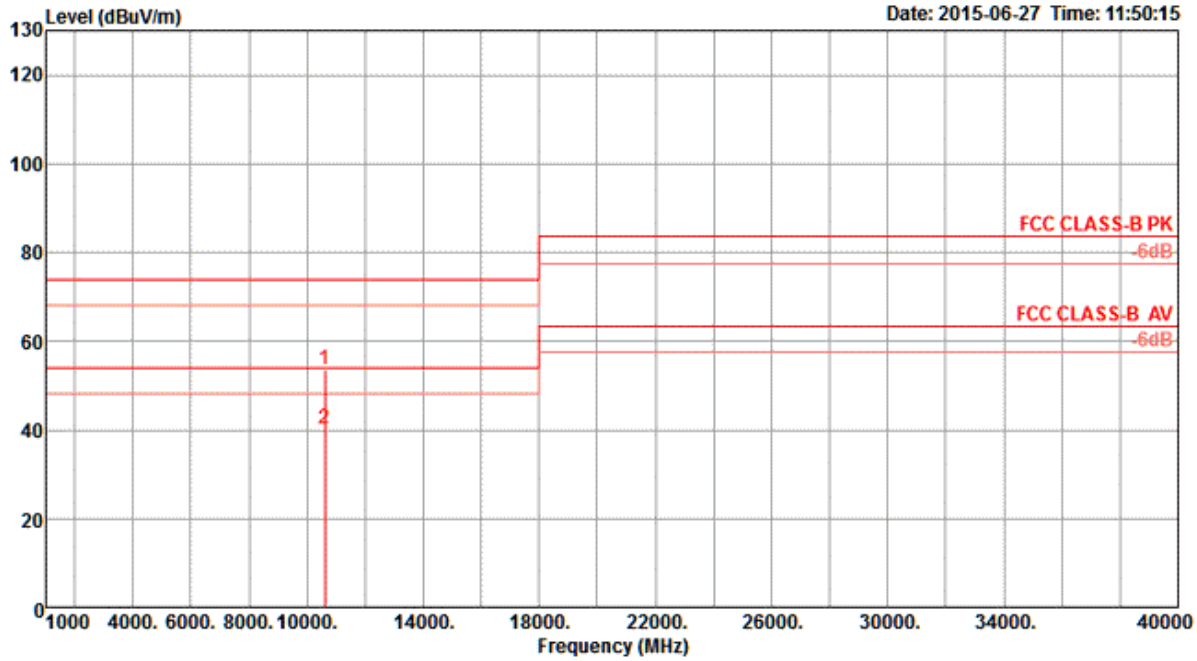
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10618.93	53.46	74.00	-20.54	43.39	6.22	38.78	34.93	152	150	Peak	HORIZONTAL
2	10623.20	40.24	54.00	-13.76	30.17	6.22	38.78	34.93	152	150	Average	HORIZONTAL

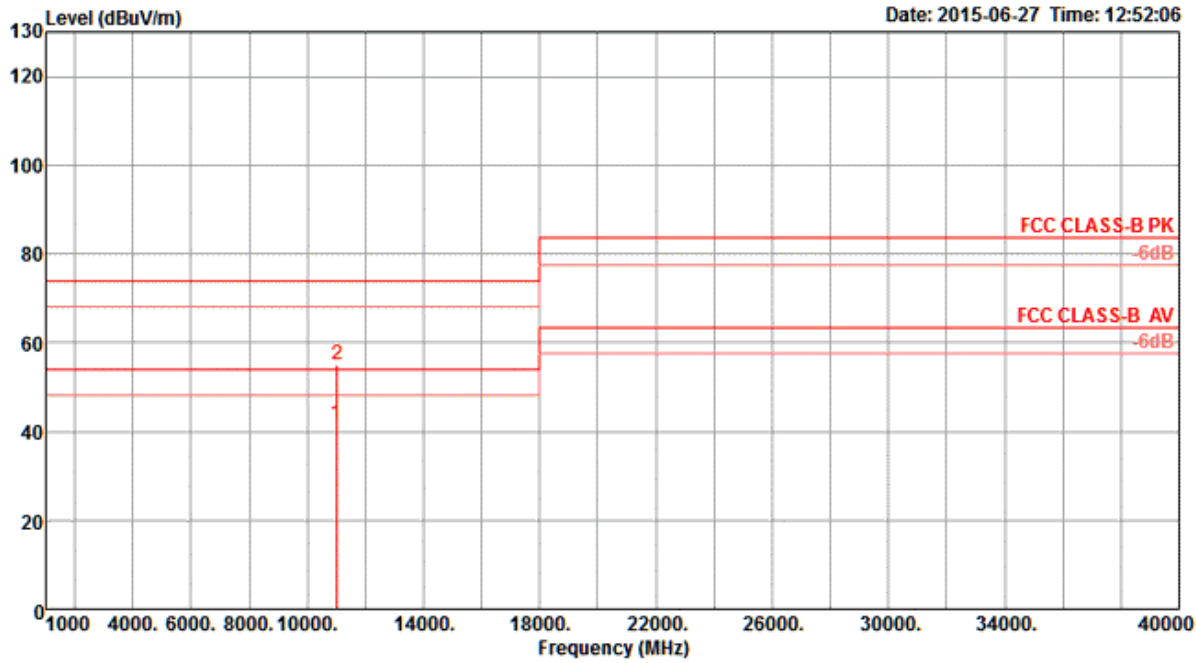
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10616.70	53.51	74.00	-20.49	43.44	6.22	38.78	34.93	178	164	Peak	VERTICAL
2	10624.62	40.31	54.00	-13.69	30.24	6.22	38.78	34.93	178	164	Average	VERTICAL

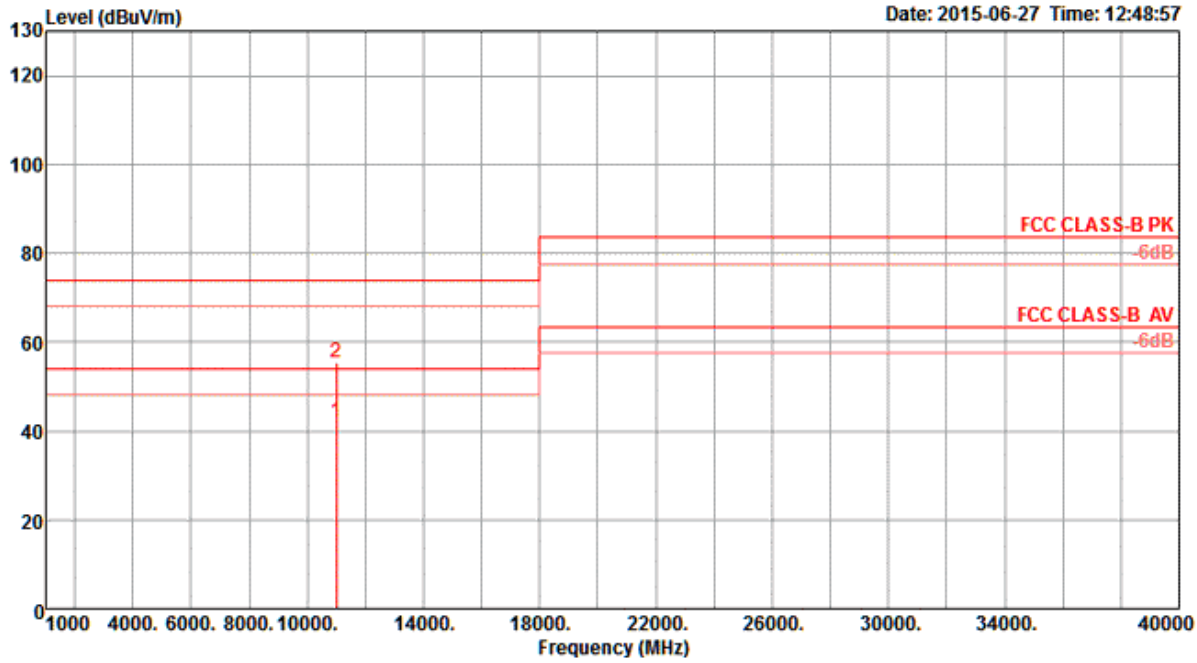
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11012.27	41.82	54.00	-12.18	31.38	6.40	38.70	34.66	117	157	Average	HORIZONTAL
2	11016.12	55.06	74.00	-18.94	44.62	6.40	38.70	34.66	117	157	Peak	HORIZONTAL

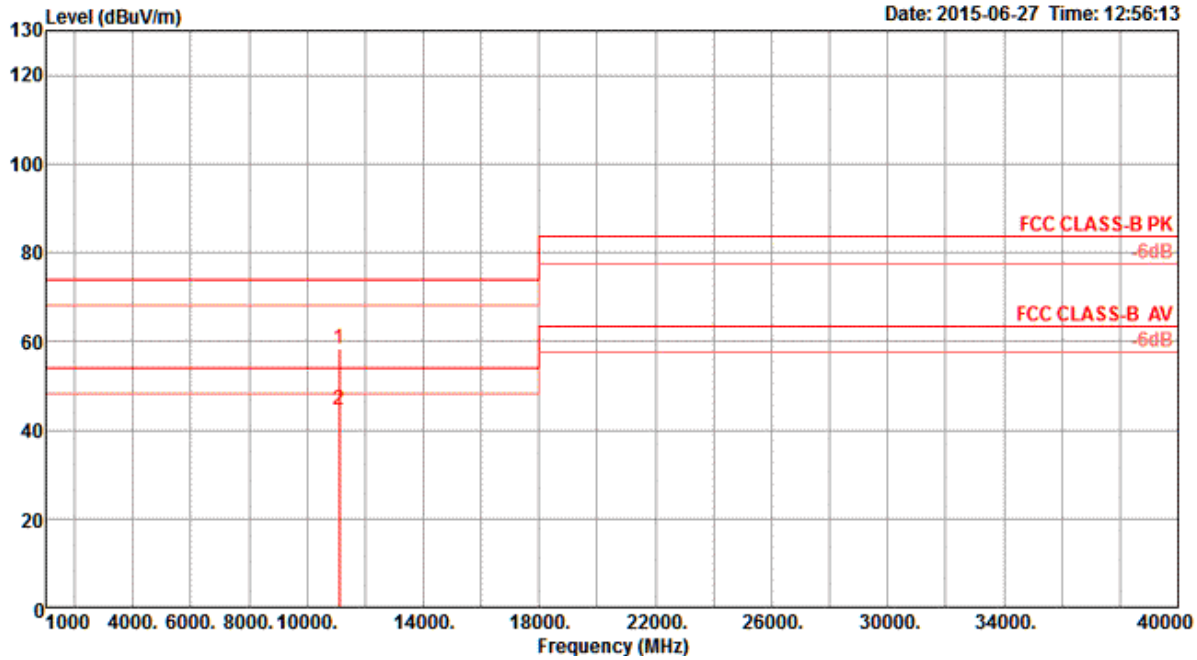
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11011.66	41.92	54.00	-12.08	31.48	6.40	38.70	34.66	166	166	Average	VERTICAL
2	11012.21	55.30	74.00	-18.70	44.86	6.40	38.70	34.66	166	166	Peak	VERTICAL

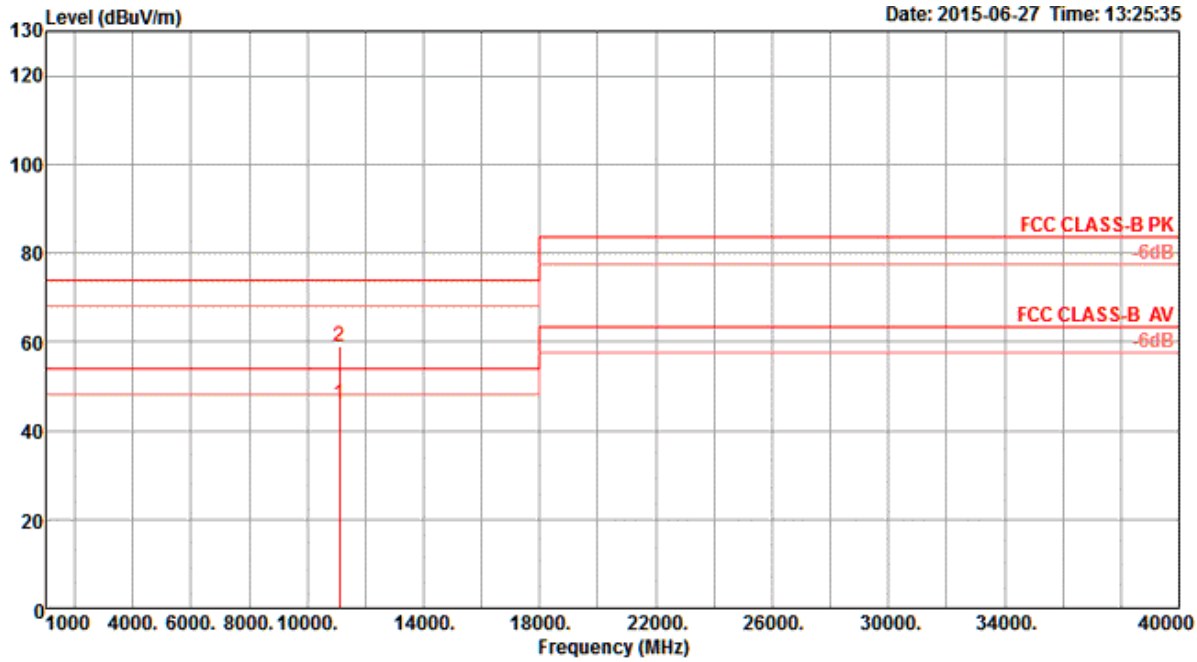
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11100.58	58.32	74.00	-15.68	47.84	6.43	38.70	34.65	86	141	Peak	HORIZONTAL
2	11103.10	44.65	54.00	-9.35	34.17	6.43	38.70	34.65	86	141	Average	HORIZONTAL

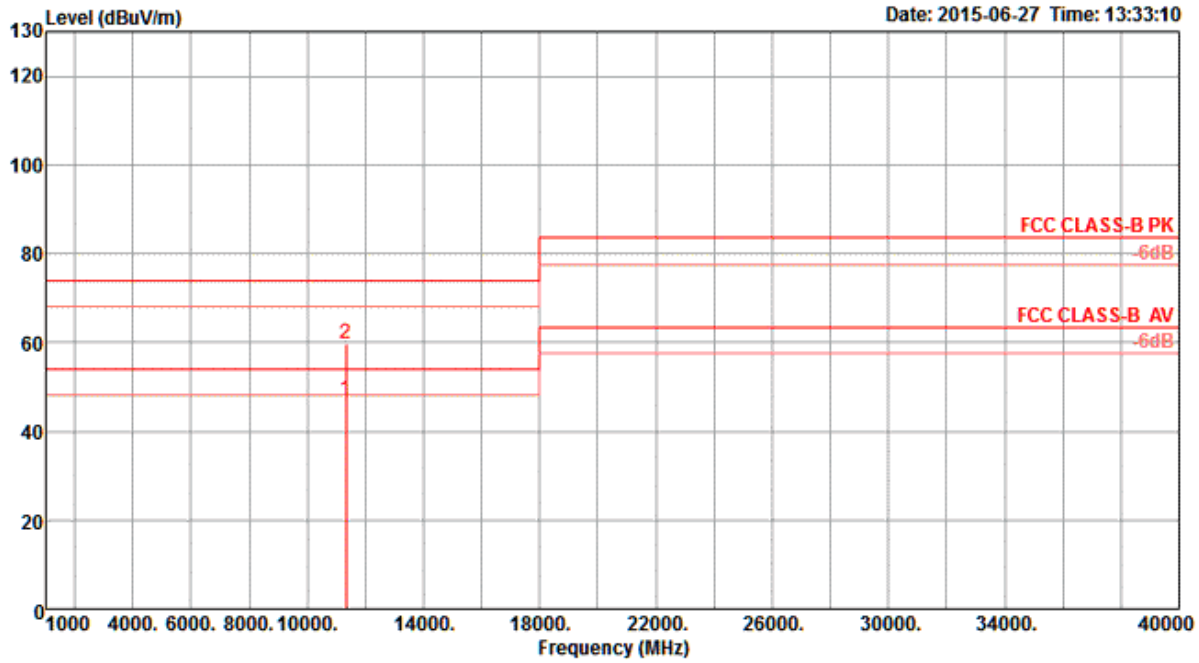
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11102.43	45.82	54.00	-8.18	35.34	6.43	38.70	34.65	180	140	Average	VERTICAL
2	11103.13	58.98	74.00	-15.02	48.50	6.43	38.70	34.65	180	140	Peak	VERTICAL

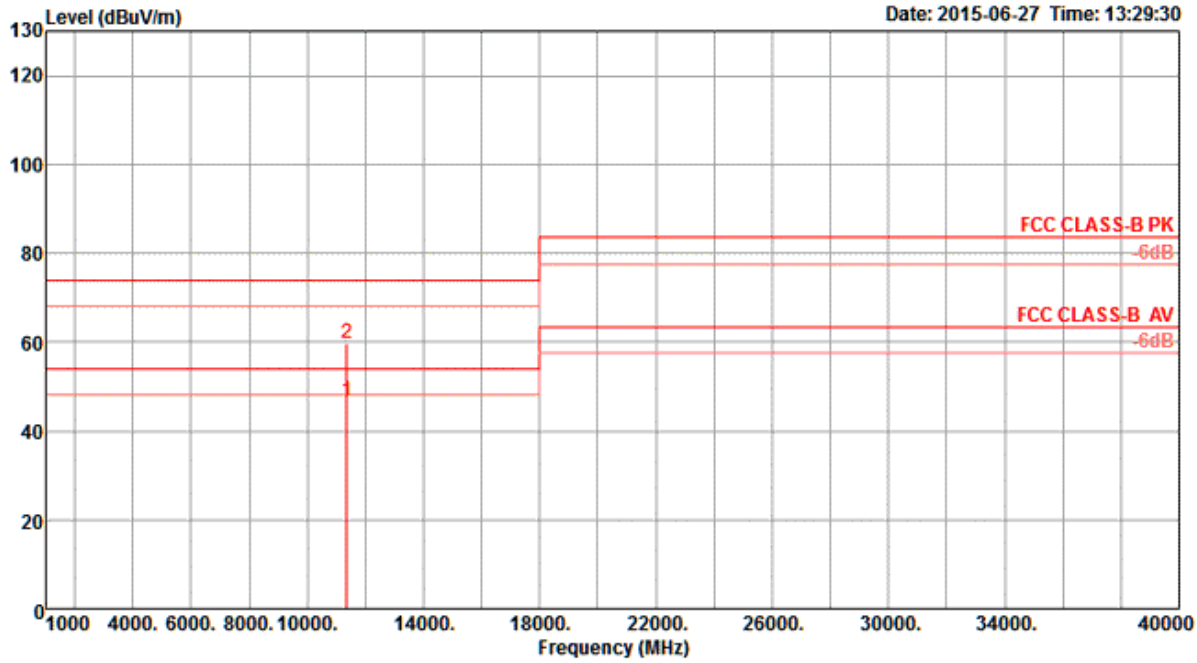
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11339.88	46.93	54.00	-7.07	36.37	6.49	38.70	34.63	197	148	Average	HORIZONTAL
2	11341.01	59.87	74.00	-14.13	49.31	6.49	38.70	34.63	197	148	Peak	HORIZONTAL

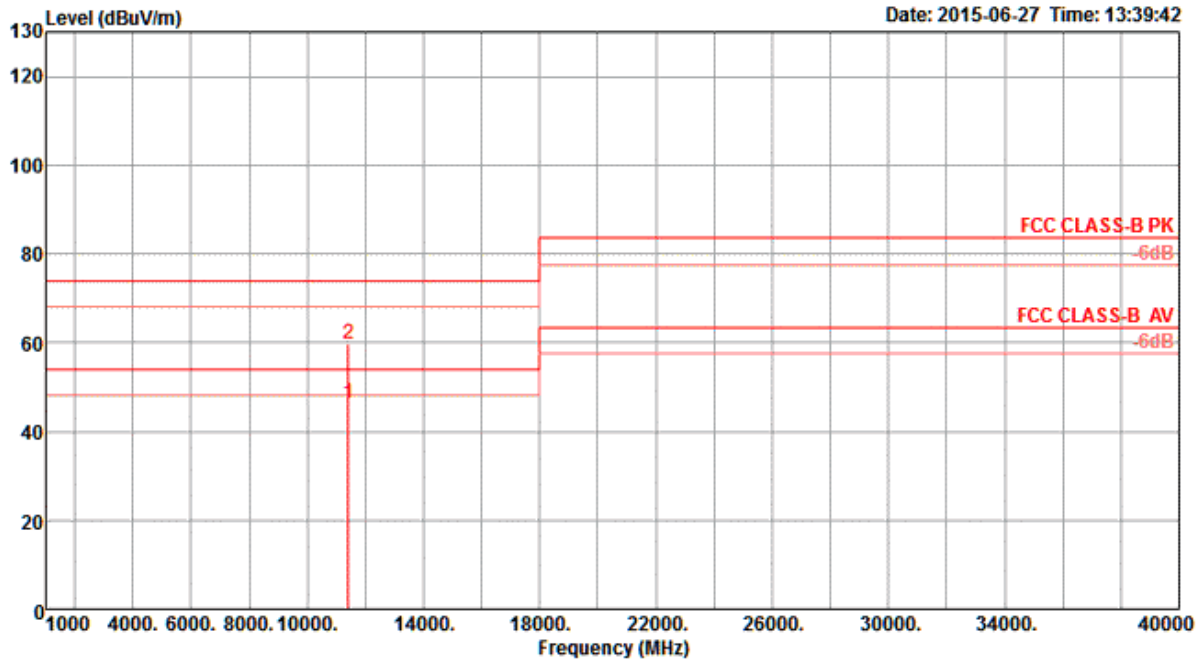
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11347.87	46.73	54.00	-7.27	36.16	6.50	38.70	34.63	186	139	Average	VERTICAL
2	11348.60	59.82	74.00	-14.18	49.25	6.50	38.70	34.63	186	139	Peak	VERTICAL

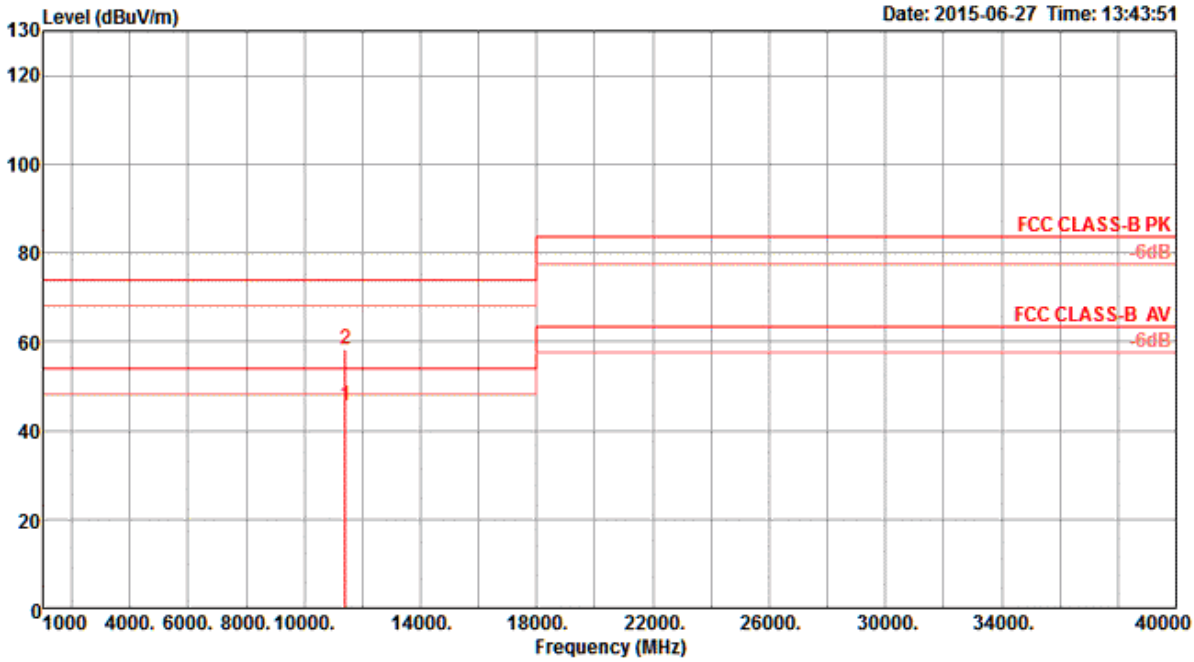
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11419.97	46.47	54.00	-7.53	35.89	6.51	38.70	34.63	112	149	Average	HORIZONTAL
2	11423.44	59.83	74.00	-14.17	49.25	6.51	38.70	34.63	112	149	Peak	HORIZONTAL

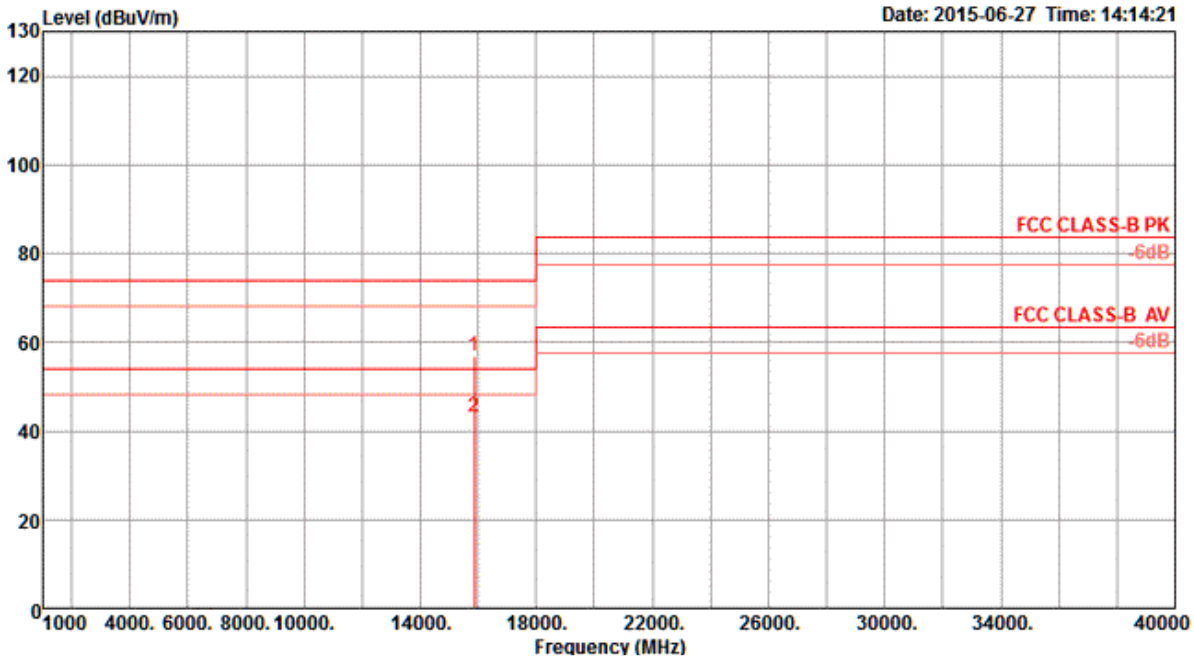
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11419.86	45.55	54.00	-8.45	34.97	6.51	38.70	34.63	162	167	Average	VERTICAL
2	11420.43	58.30	74.00	-15.70	47.72	6.51	38.70	34.63	162	167	Peak	VERTICAL

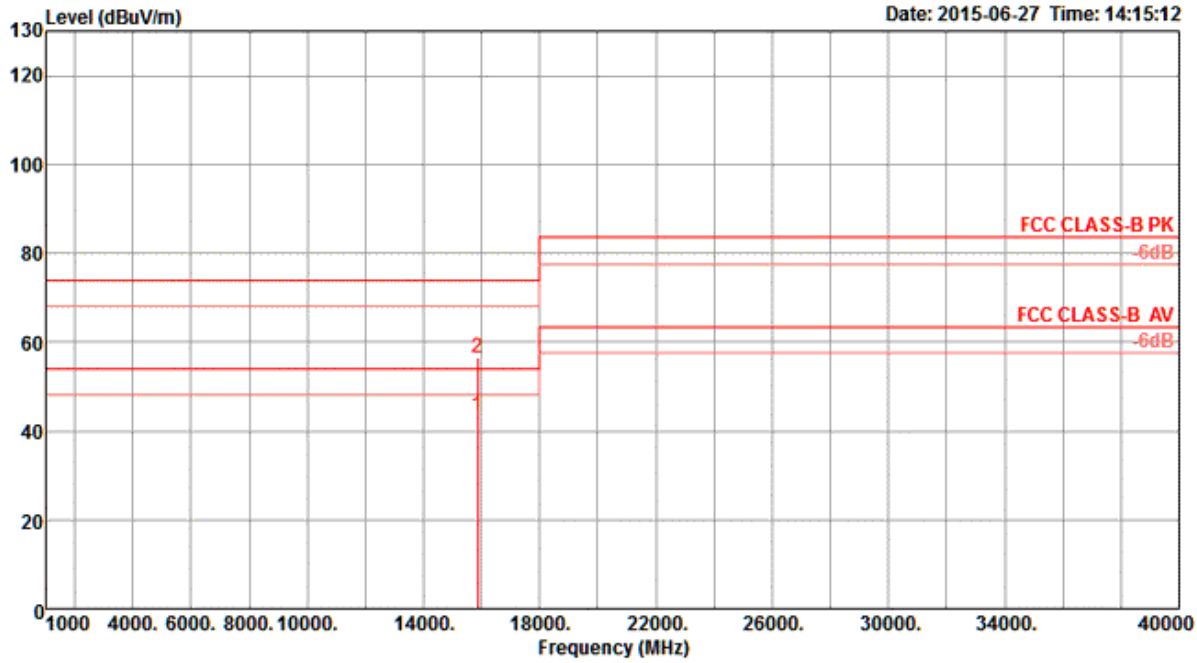
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15865.17	56.70	74.00	-17.30	45.19	7.67	38.75	34.91	172	153	Peak	HORIZONTAL
2	15870.29	43.17	54.00	-10.83	31.63	7.67	38.78	34.91	172	153	Average	HORIZONTAL

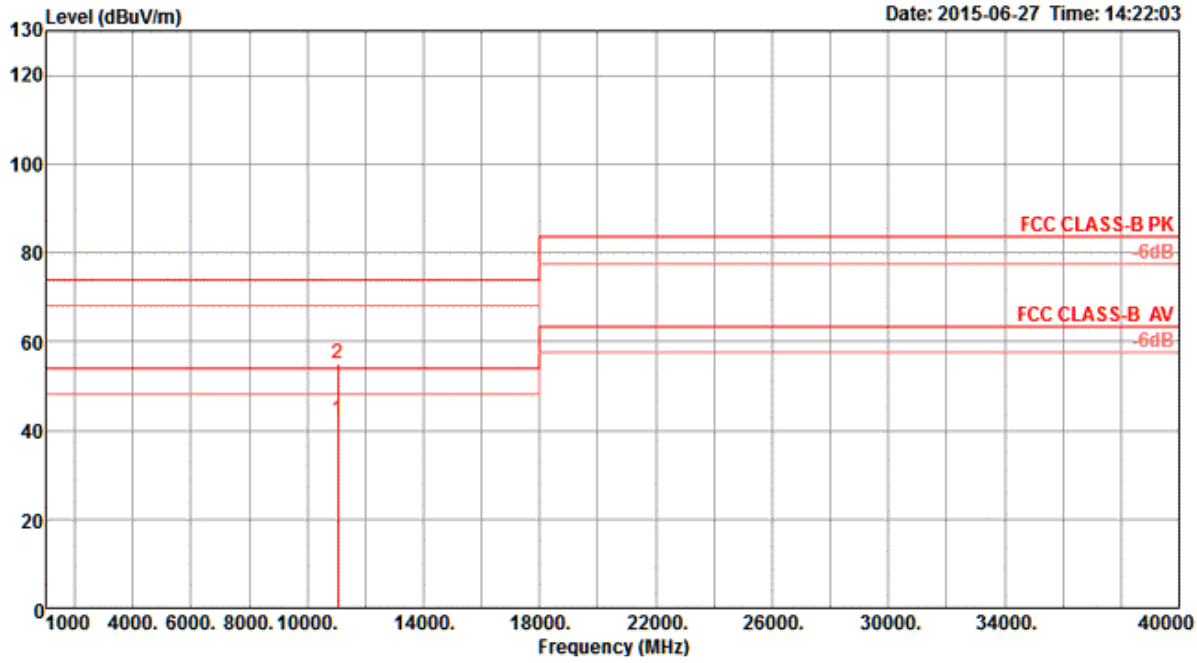
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15864.44	43.28	54.00	-10.72	31.77	7.67	38.75	34.91	151	173	Average	VERTICAL
2	15869.36	56.54	74.00	-17.46	45.00	7.67	38.78	34.91	151	173	Peak	VERTICAL

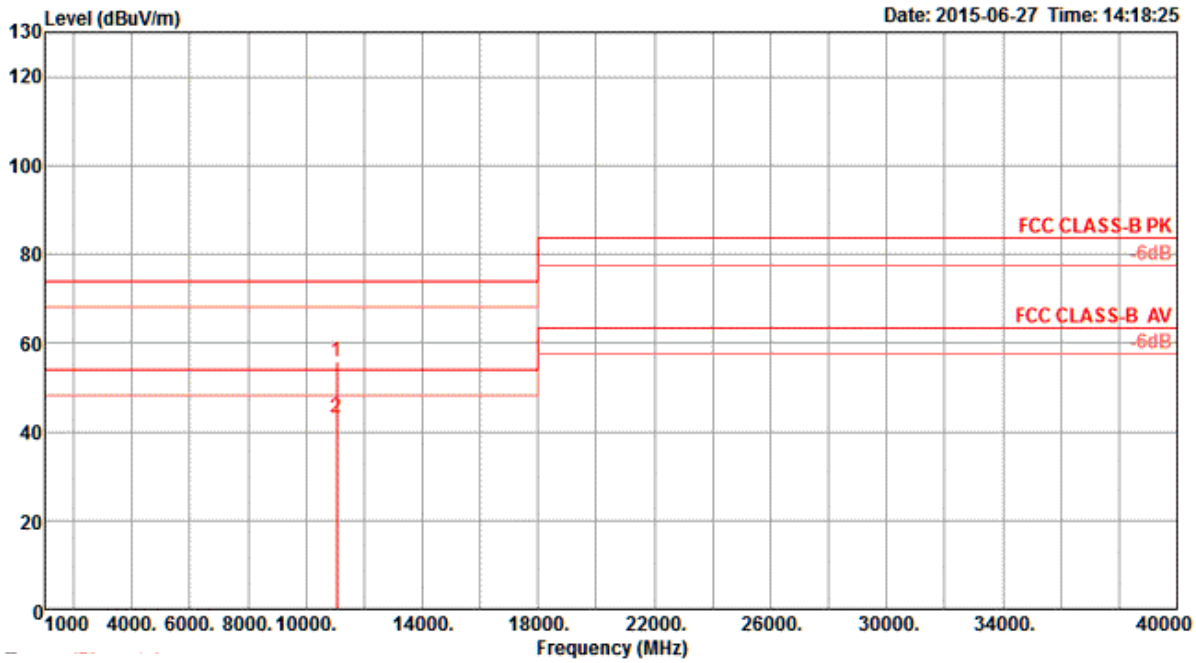
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11066.86	42.30	54.00	-11.70	31.83	6.42	38.70	34.65	83	145	Average	HORIZONTAL
2	11067.87	55.18	74.00	-18.82	44.71	6.42	38.70	34.65	83	145	Peak	HORIZONTAL

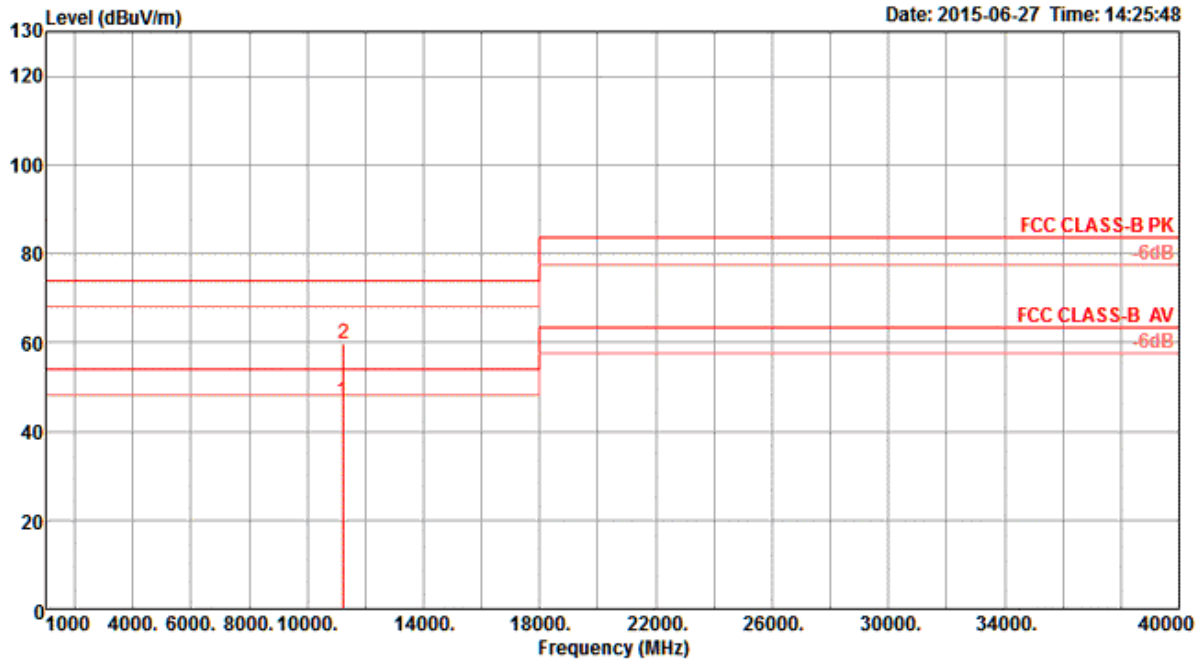
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11060.03	55.78	74.00	-18.22	45.31	6.42	38.70	34.65	177	146	Peak	VERTICAL
2	11060.87	42.97	54.00	-11.03	32.50	6.42	38.70	34.65	177	146	Average	VERTICAL

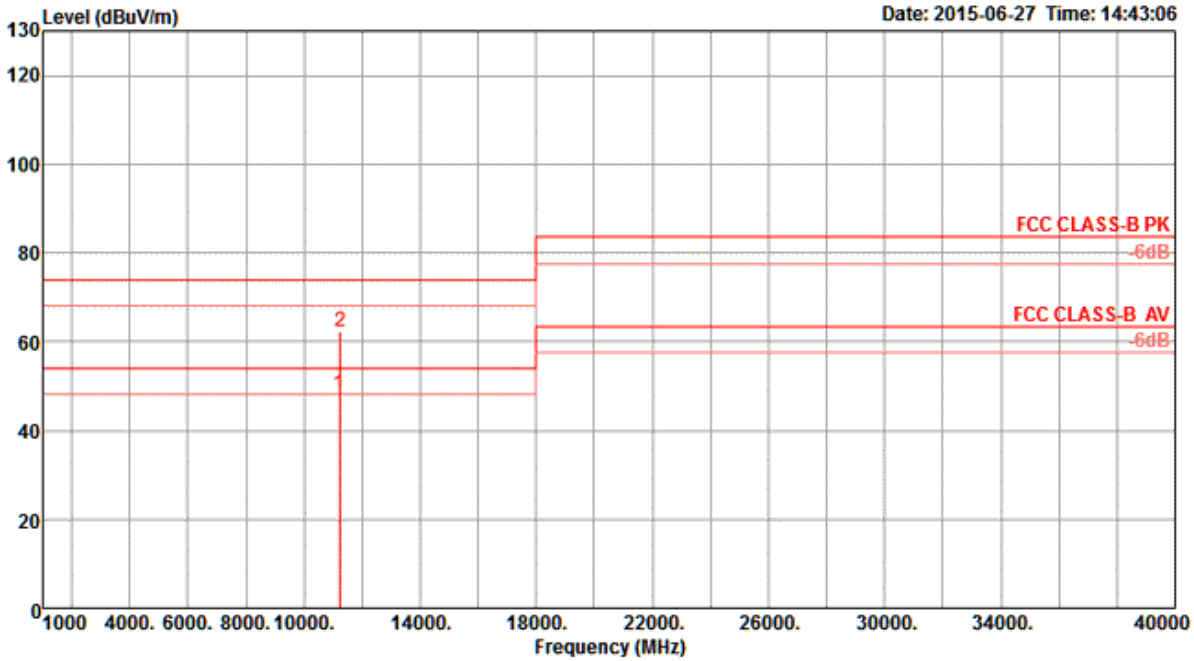
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11214.36	46.59	54.00	-7.41	36.07	6.46	38.70	34.64	104	143	Average	HORIZONTAL
2	11246.77	59.62	74.00	-14.38	49.09	6.47	38.70	34.64	104	143	Peak	HORIZONTAL

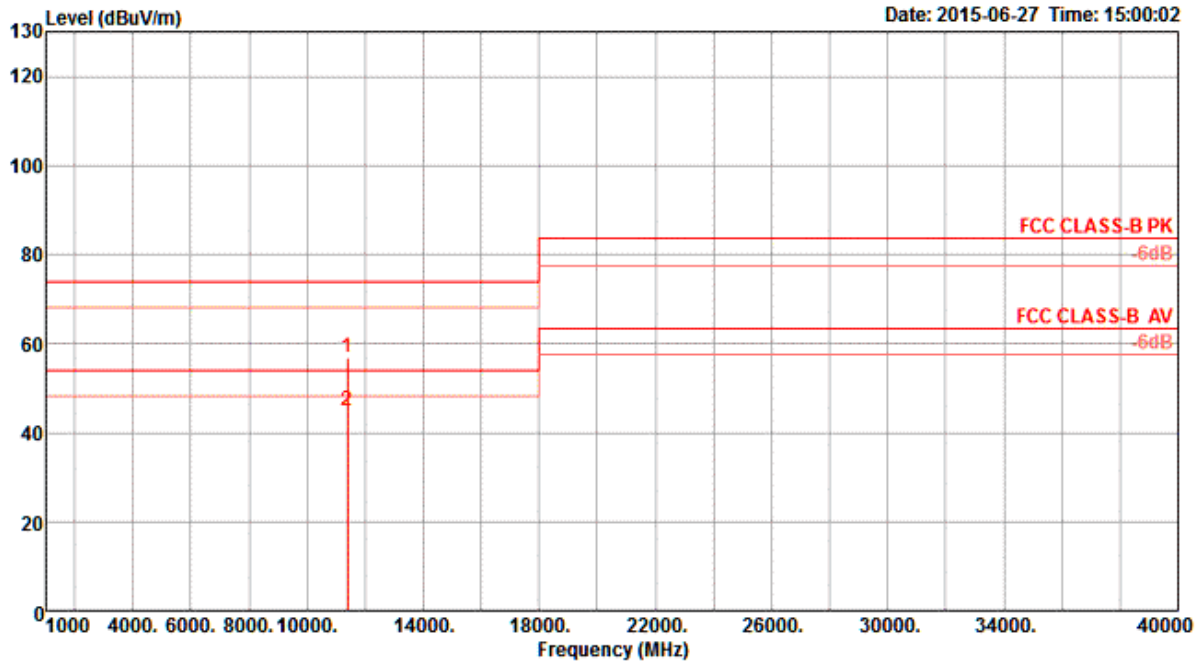
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11218.12	48.16	54.00	-5.84	37.64	6.46	38.70	34.64	179	132	Average	VERTICAL
2	11247.21	62.30	74.00	-11.70	51.77	6.47	38.70	34.64	179	132	Peak	VERTICAL

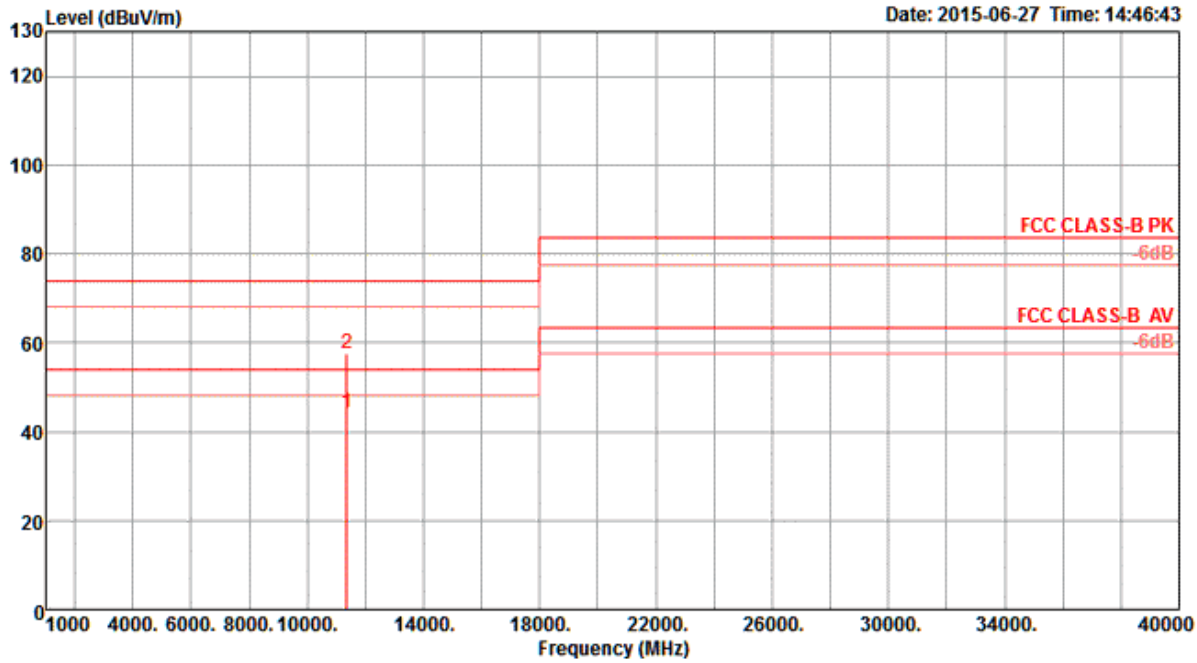
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11378.55	57.03	74.00	-16.97	46.45	6.51	38.70	34.63	111	139	Peak	HORIZONTAL
2	11379.57	44.99	54.00	-9.01	34.41	6.51	38.70	34.63	111	139	Average	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11348.60	44.35	54.00	-9.65	33.78	6.50	38.70	34.63	182	131	Average	VERTICAL
2	11348.74	57.72	74.00	-16.28	47.15	6.50	38.70	34.63	182	131	Peak	VERTICAL

Note:

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

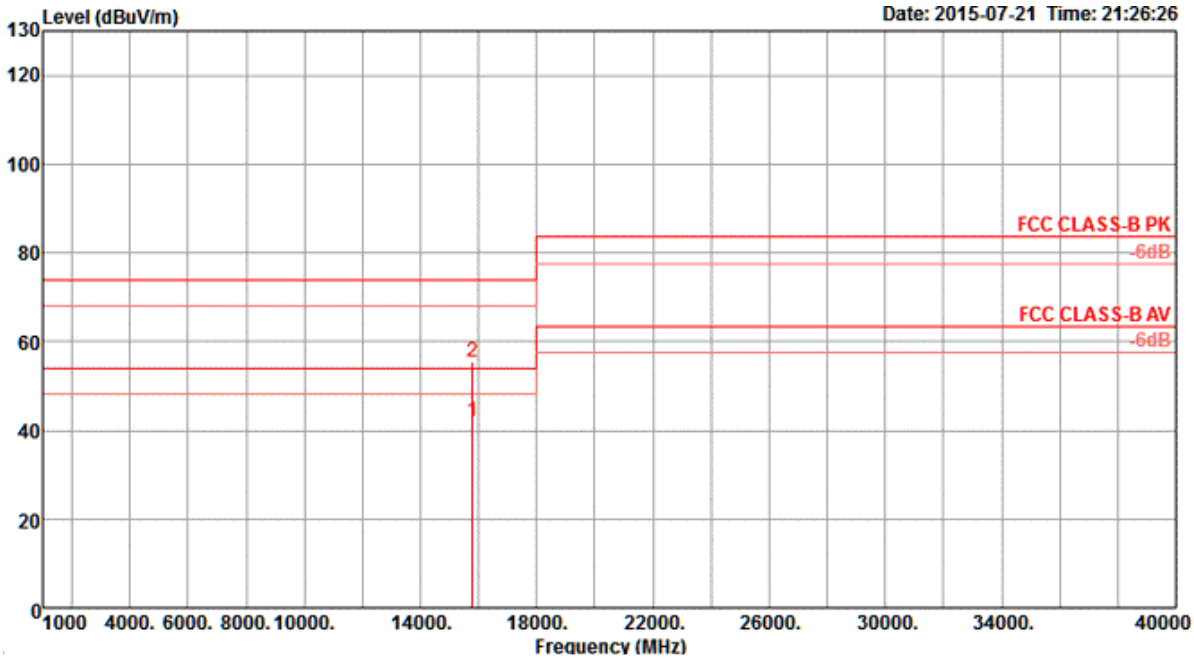
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

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

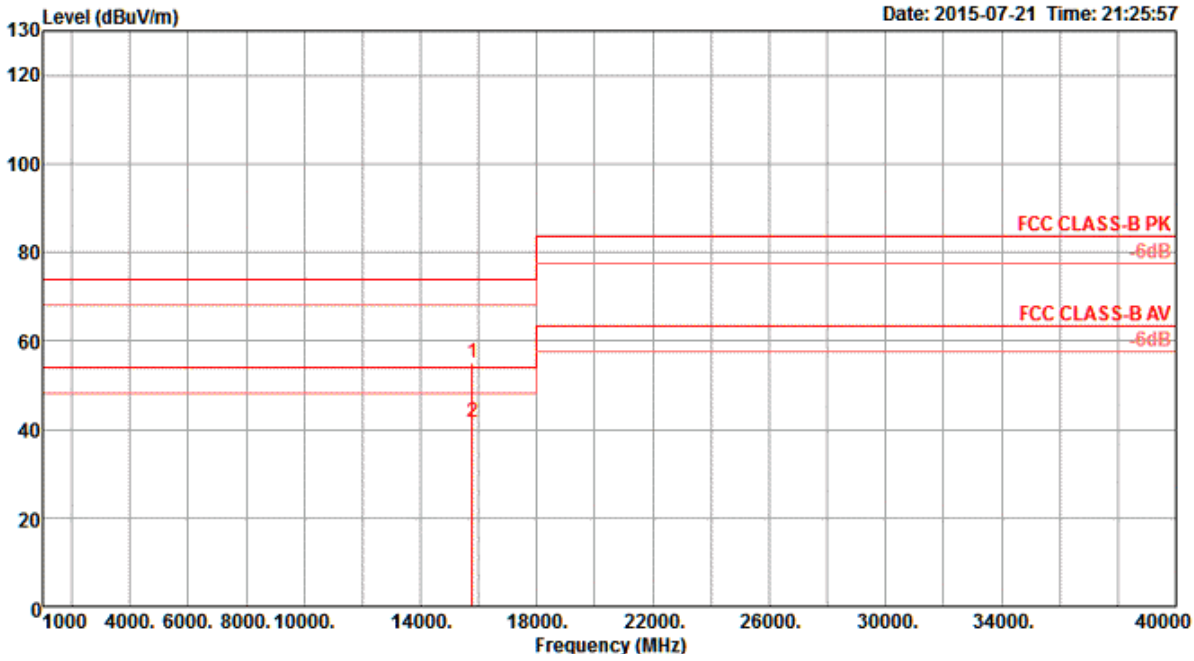
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15775.13	41.96	54.00	-12.04	30.54	7.64	38.60	34.82	251	151	Average	HORIZONTAL
2	15784.87	55.51	74.00	-18.49	44.08	7.64	38.63	34.84	251	151	Peak	HORIZONTAL

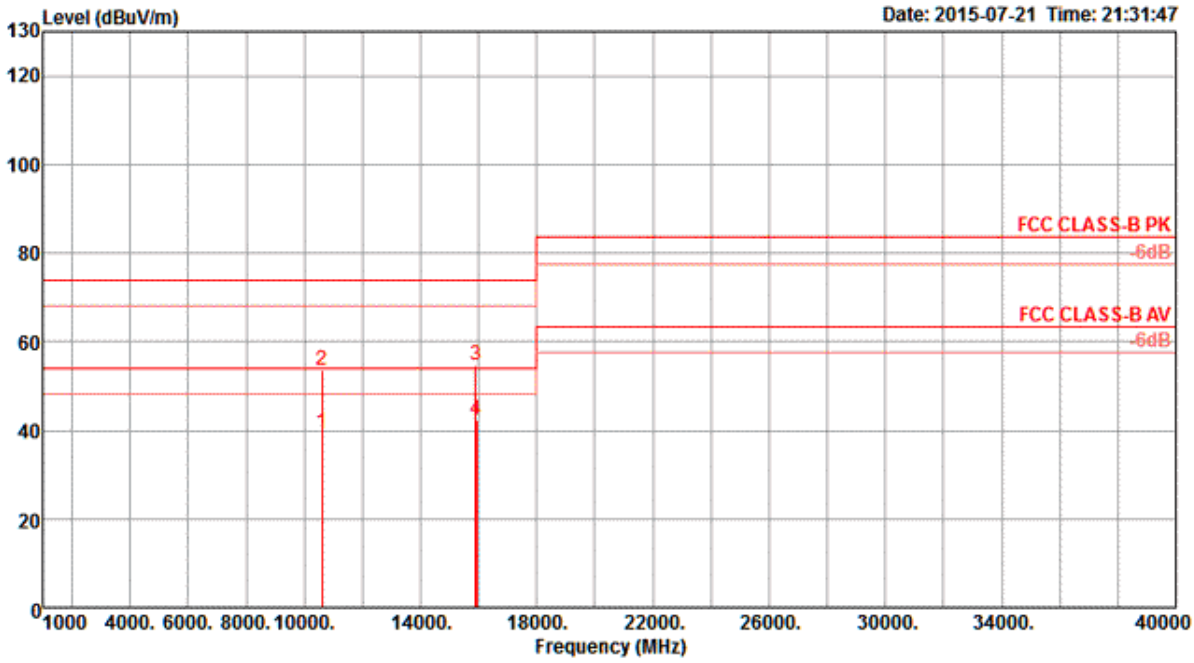
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15775.03	54.91	74.00	-19.09	43.49	7.64	38.60	34.82	255	154	Peak	VERTICAL
2	15777.72	41.67	54.00	-12.33	30.27	7.64	38.60	34.84	255	154	Average	VERTICAL

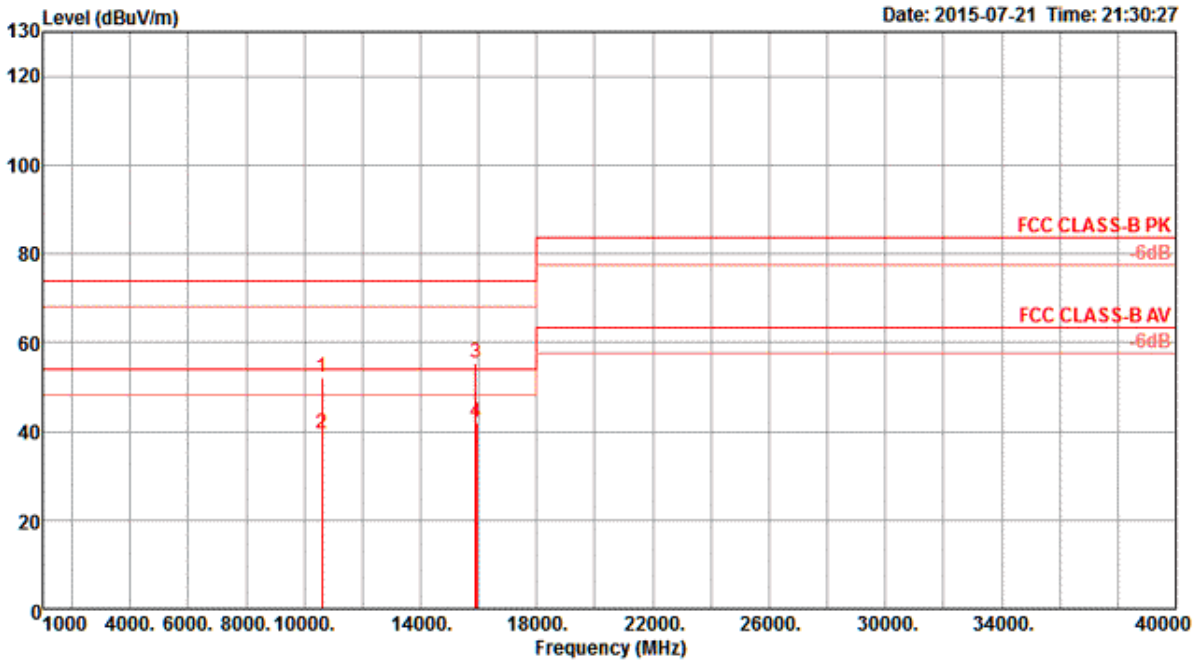
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10605.90	39.52	54.00	-14.48	29.46	6.21	38.78	34.93	238	153	Average	HORIZONTAL
2	10607.85	53.49	74.00	-20.51	43.43	6.21	38.78	34.93	238	153	Peak	HORIZONTAL
3	15905.77	54.63	74.00	-19.37	43.05	7.69	38.84	34.95	241	152	Peak	HORIZONTAL
4	15909.90	42.28	54.00	-11.72	30.70	7.69	38.84	34.95	241	152	Average	HORIZONTAL

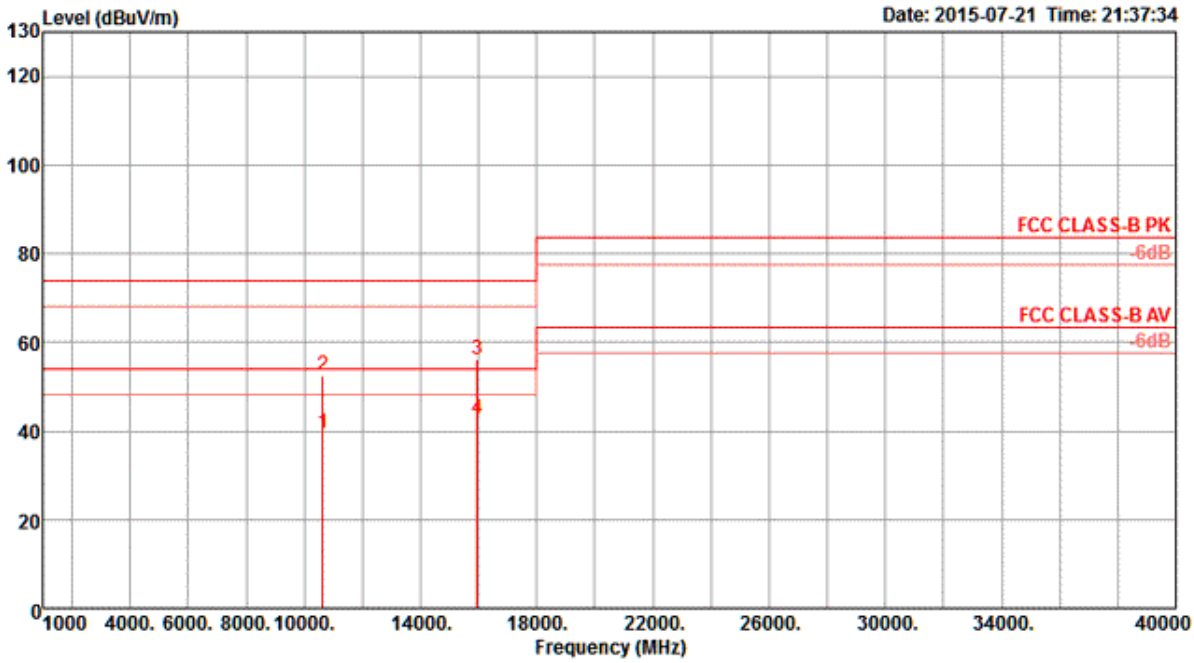
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10600.00	52.27	74.00	-21.73	42.23	6.21	38.78	34.95	249	151	Peak	VERTICAL
2	10600.00	39.56	54.00	-14.44	29.52	6.21	38.78	34.95	249	151	Average	VERTICAL
3	15900.32	55.44	74.00	-18.56	43.88	7.68	38.81	34.93	247	150	Peak	VERTICAL
4	15909.46	41.97	54.00	-12.03	30.39	7.69	38.84	34.95	247	150	Average	VERTICAL

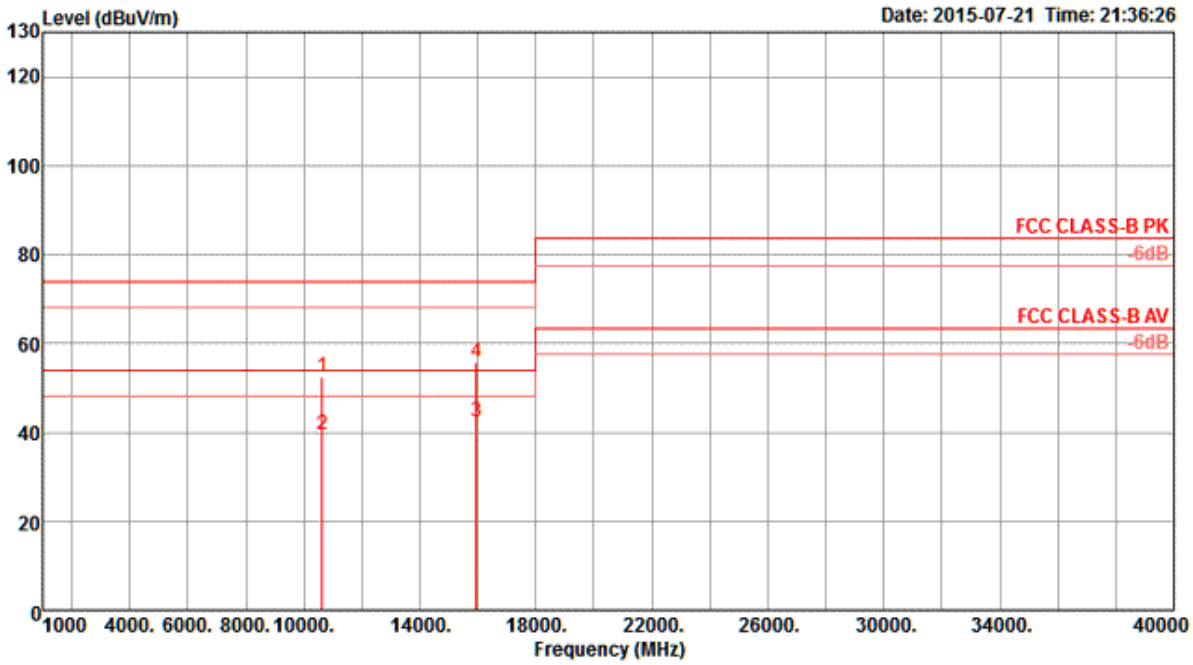
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10631.09	39.43	54.00	-14.57	29.34	6.23	38.77	34.91	224	151	Average	HORIZONTAL
2	10642.37	52.60	74.00	-21.40	42.51	6.23	38.77	34.91	224	151	Peak	HORIZONTAL
3	15951.47	55.96	74.00	-18.04	44.33	7.70	38.91	34.98	227	153	Peak	HORIZONTAL
4	15954.68	42.76	54.00	-11.24	31.10	7.70	38.94	34.98	227	153	Average	HORIZONTAL

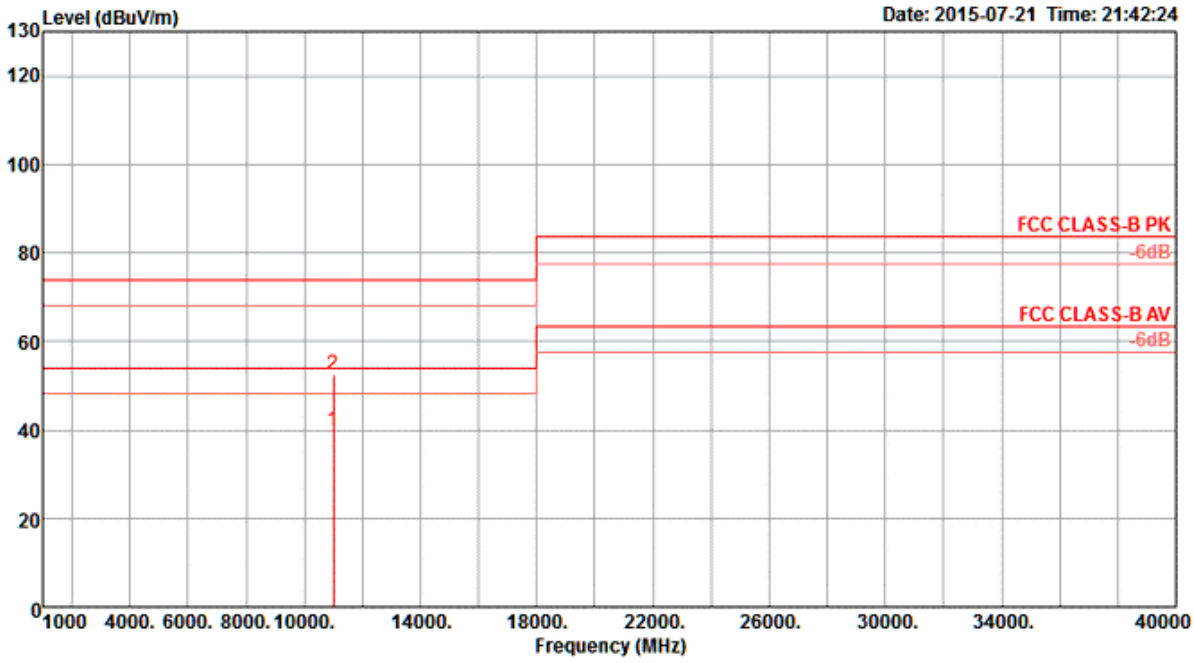
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10632.56	52.41	74.00	-21.59	42.32	6.23	38.77	34.91	237	150	Peak	VERTICAL
2	10633.43	39.35	54.00	-14.65	29.26	6.23	38.77	34.91	237	150	Average	VERTICAL
3	15950.03	42.49	54.00	-11.51	30.86	7.70	38.91	34.98	231	152	Average	VERTICAL
4	15962.69	55.71	74.00	-18.29	44.07	7.70	38.94	35.00	231	152	Peak	VERTICAL

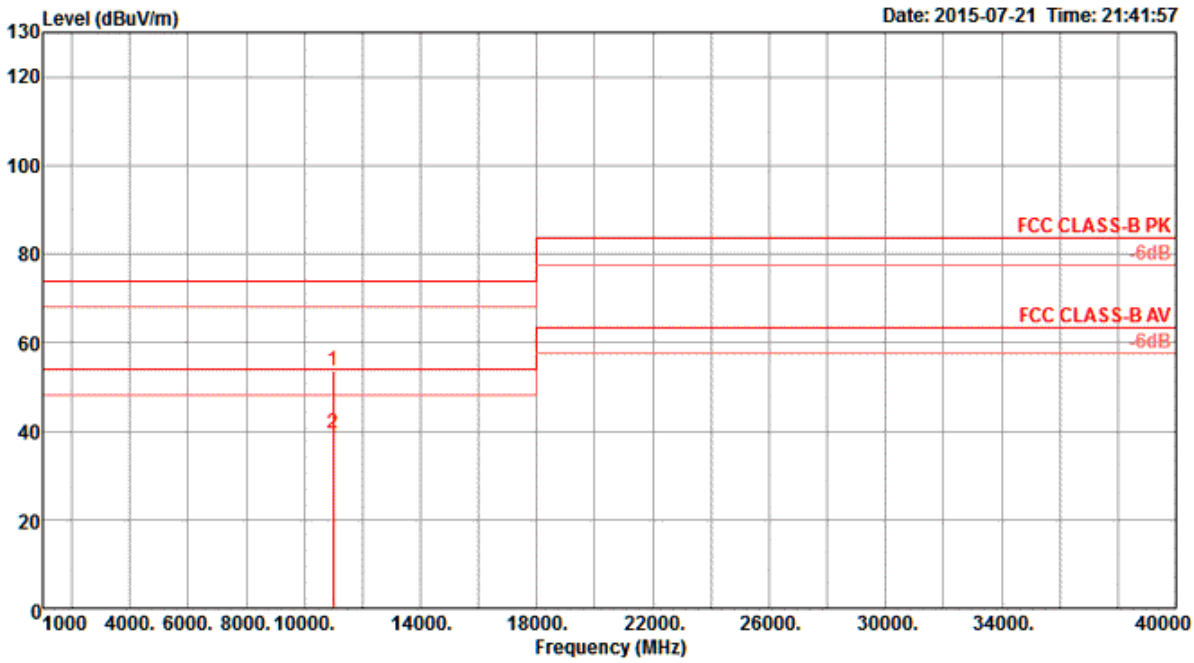
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10994.33	39.65	54.00	-14.35	29.21	6.40	38.70	34.66	217	150	Average	HORIZONTAL
2	11008.37	52.35	74.00	-21.65	41.91	6.40	38.70	34.66	217	150	Peak	HORIZONTAL

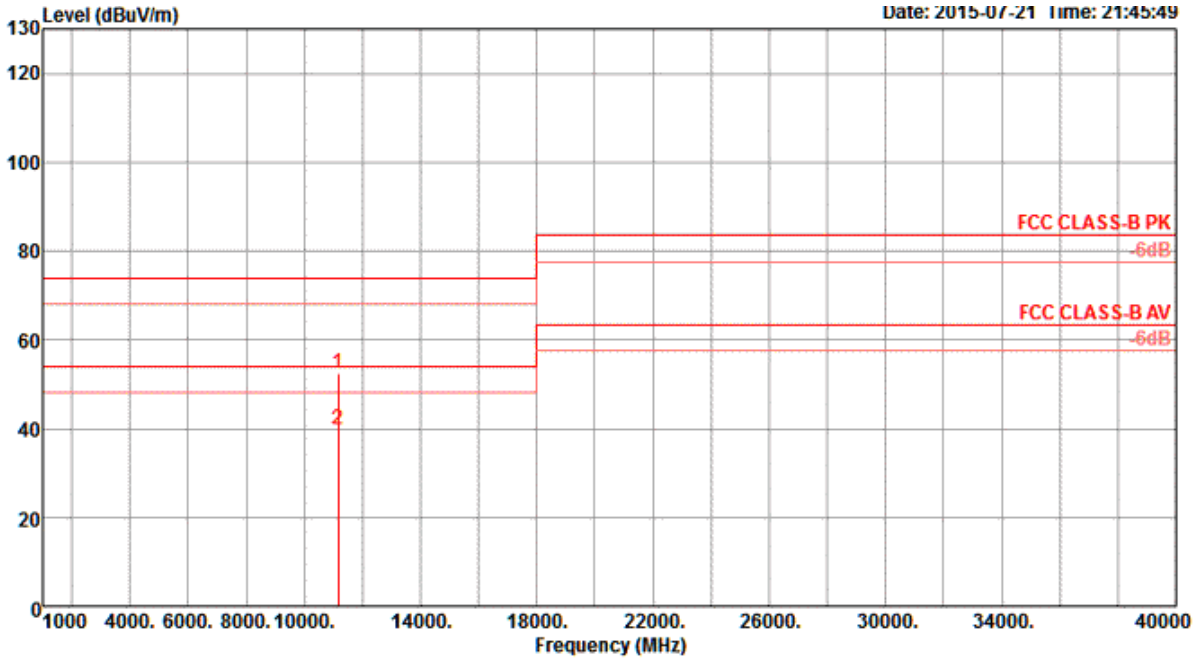
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10992.40	53.51	74.00	-20.49	43.07	6.40	38.70	34.66	221	151	Peak	VERTICAL
2	11005.96	39.60	54.00	-14.40	29.16	6.40	38.70	34.66	221	151	Average	VERTICAL

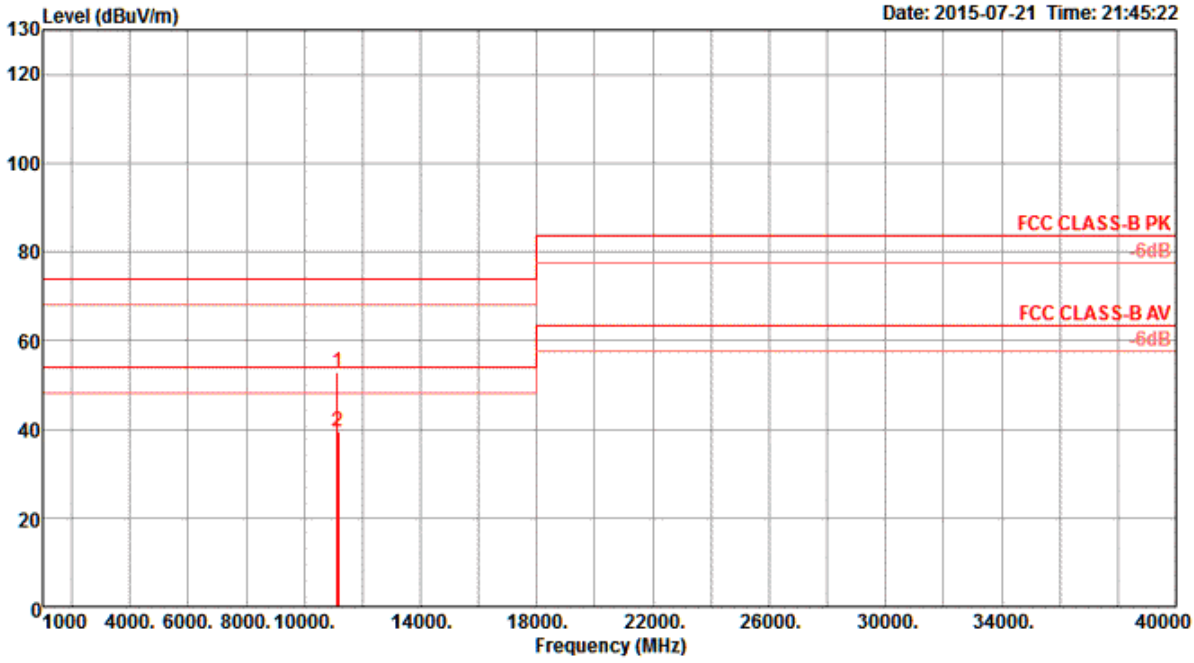
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11165.54	52.59	74.00	-21.41	42.10	6.44	38.70	34.65	211	153	Peak	HORIZONTAL
2	11166.92	39.97	54.00	-14.03	29.48	6.44	38.70	34.65	211	153	Average	HORIZONTAL

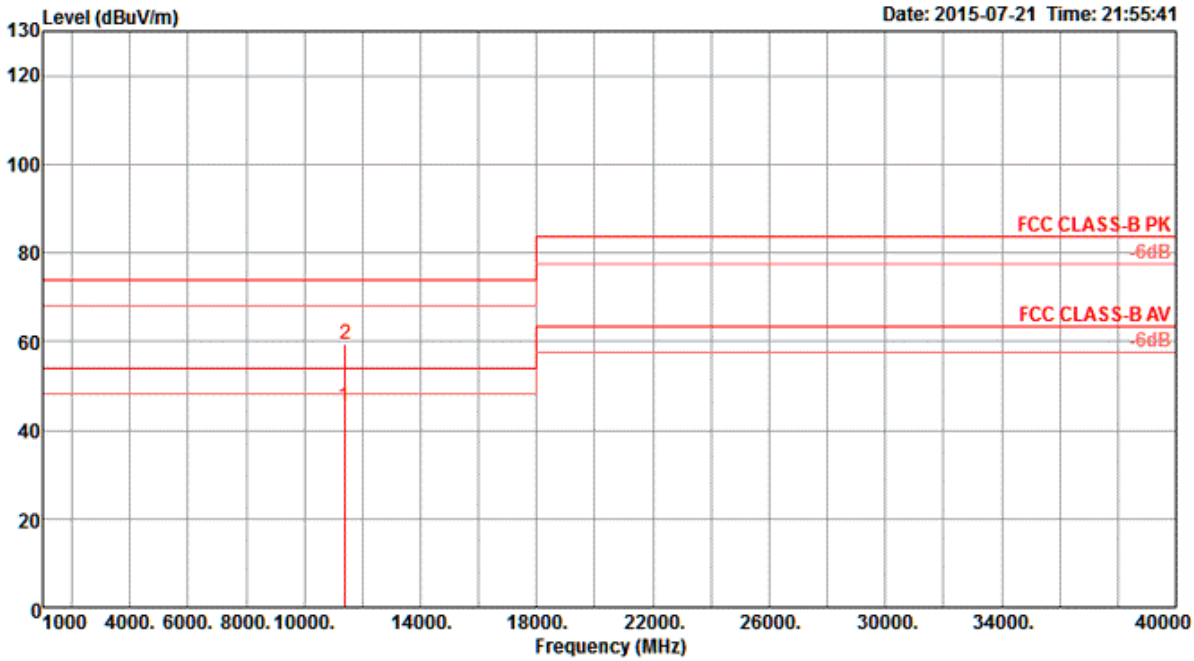
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11150.32	52.88	74.00	-21.12	42.39	6.44	38.70	34.65	215	154	Peak	VERTICAL
2	11159.29	39.47	54.00	-14.53	28.98	6.44	38.70	34.65	215	154	Average	VERTICAL

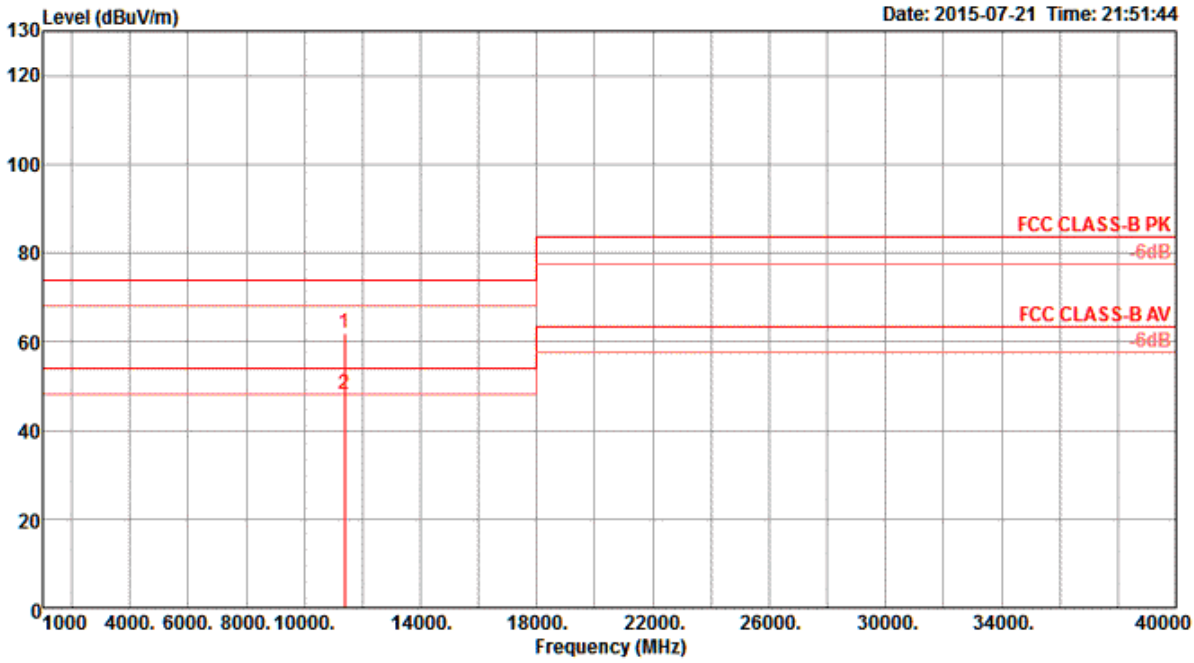
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11398.48	45.19	54.00	-8.81	34.61	6.51	38.70	34.63	340	151	Average	HORIZONTAL
2	11402.96	59.42	74.00	-14.58	48.84	6.51	38.70	34.63	340	151	Peak	HORIZONTAL

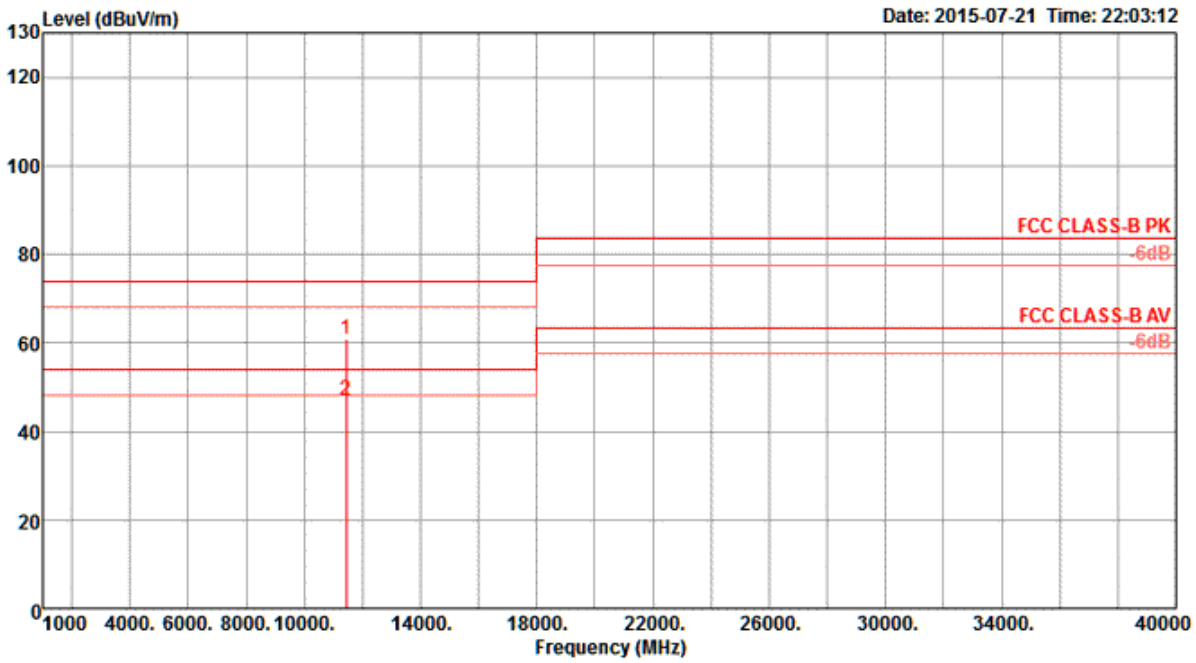
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11393.43	61.90	74.00	-12.10	51.32	6.51	38.70	34.63	314	153	Peak	VERTICAL
2	11400.00	48.04	54.00	-5.96	37.46	6.51	38.70	34.63	314	153	Average	VERTICAL

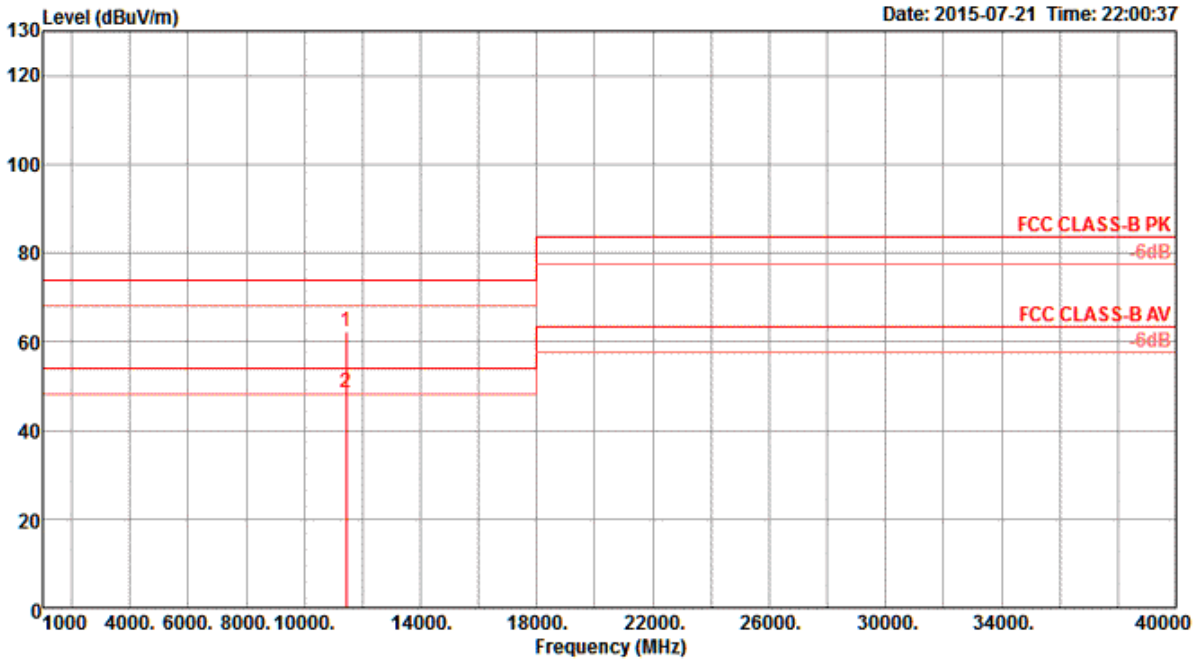
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11430.95	60.79	74.00	-13.21	50.20	6.52	38.70	34.63	289	170	Peak	HORIZONTAL
2	11433.91	47.17	54.00	-6.83	36.58	6.52	38.70	34.63	289	170	Average	HORIZONTAL

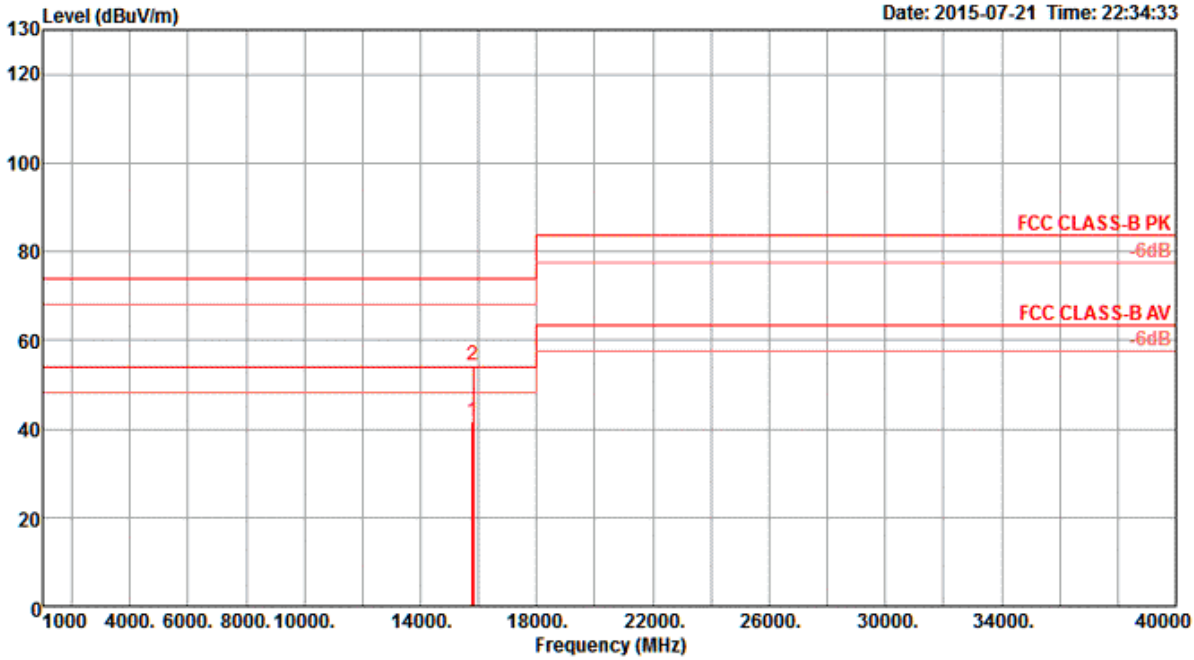
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11436.47	62.27	74.00	-11.73	51.68	6.52	38.70	34.63	3	154	Peak	VERTICAL
2	11439.20	48.50	54.00	-5.50	37.91	6.52	38.70	34.63	3	154	Average	VERTICAL

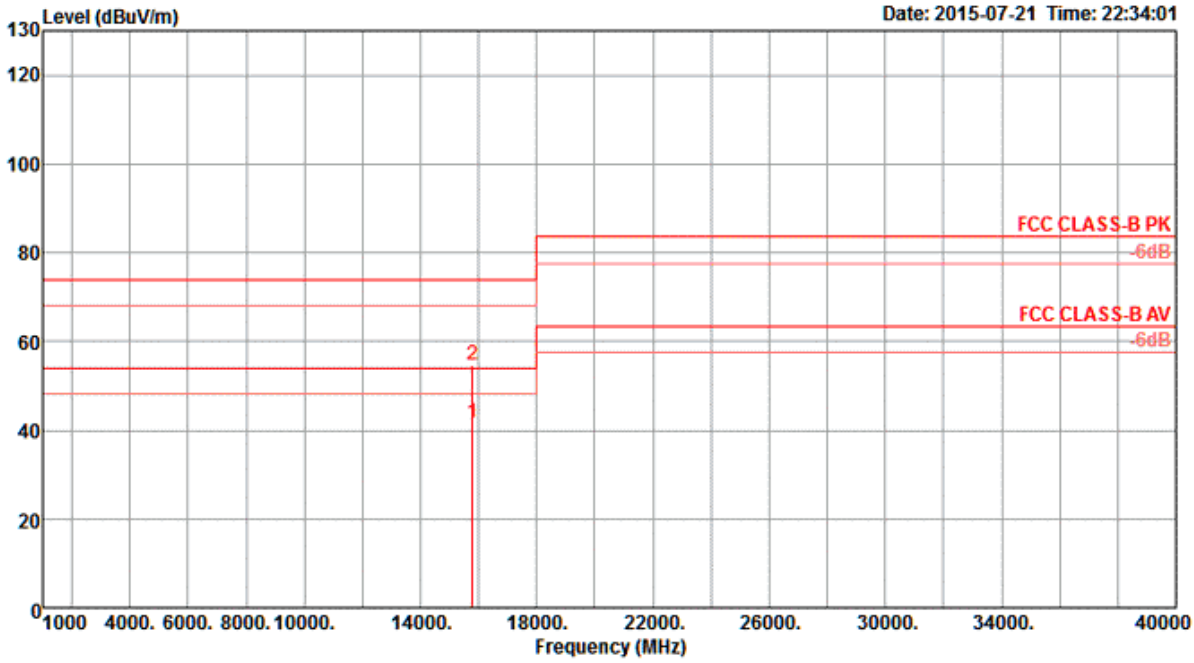
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15786.28	41.73	54.00	-12.27	30.30	7.64	38.63	34.84	267	152	Average	HORIZONTAL
2	15814.97	54.41	74.00	-19.59	42.97	7.65	38.66	34.87	267	152	Peak	HORIZONTAL

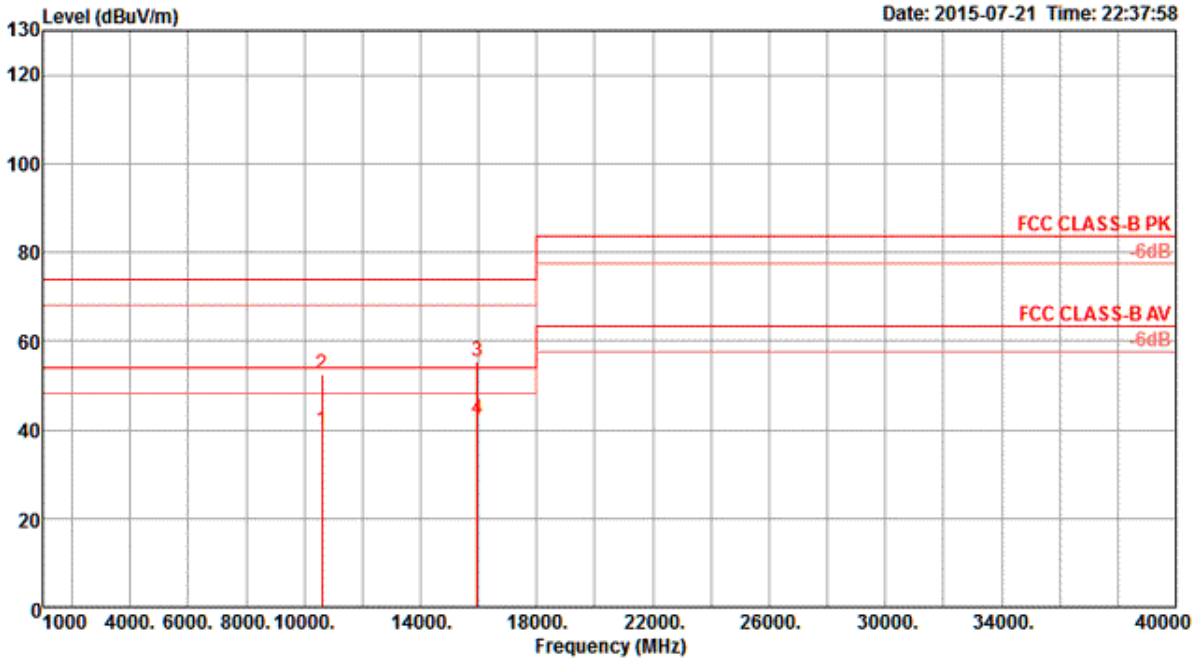
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15787.96	41.63	54.00	-12.37	30.20	7.64	38.63	34.84	258	153	Average	VERTICAL
2	15788.53	54.75	74.00	-19.25	43.32	7.64	38.63	34.84	258	153	Peak	VERTICAL

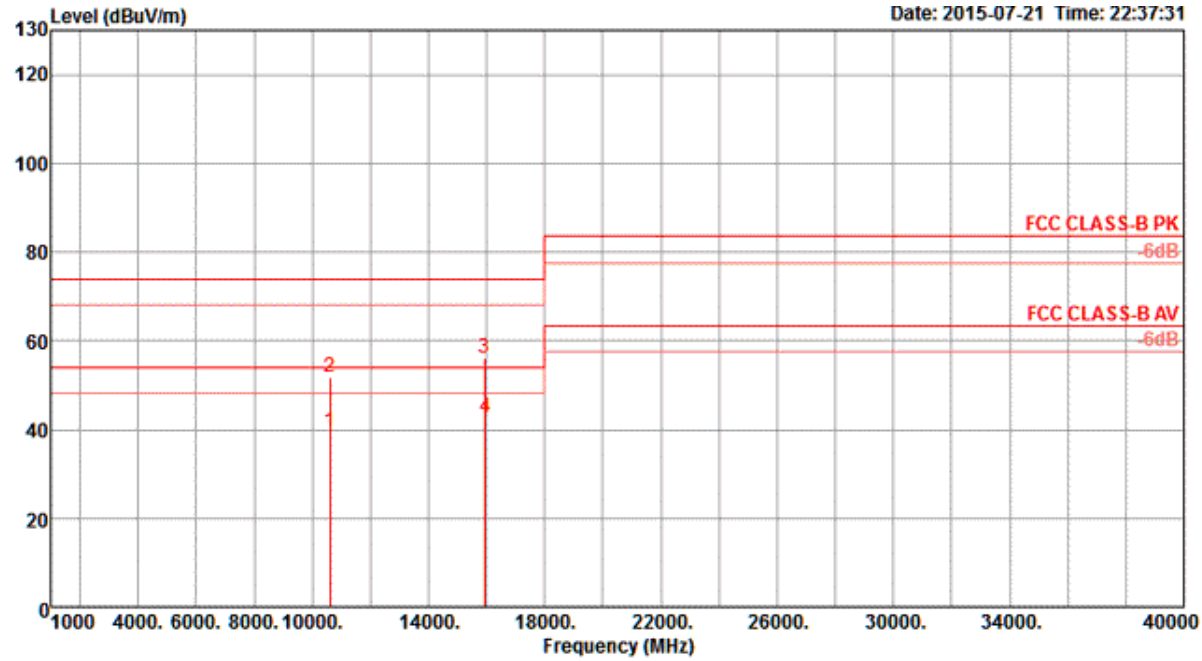
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10603.33	39.93	54.00	-14.07	29.87	6.21	38.78	34.93	297	152	Average	HORIZONTAL
2	10616.63	52.47	74.00	-21.53	42.40	6.22	38.78	34.93	297	152	Peak	HORIZONTAL
3	15952.12	55.41	74.00	-18.59	43.75	7.70	38.94	34.98	312	154	Peak	HORIZONTAL
4	15954.52	42.37	54.00	-11.63	30.71	7.70	38.94	34.98	312	154	Average	HORIZONTAL

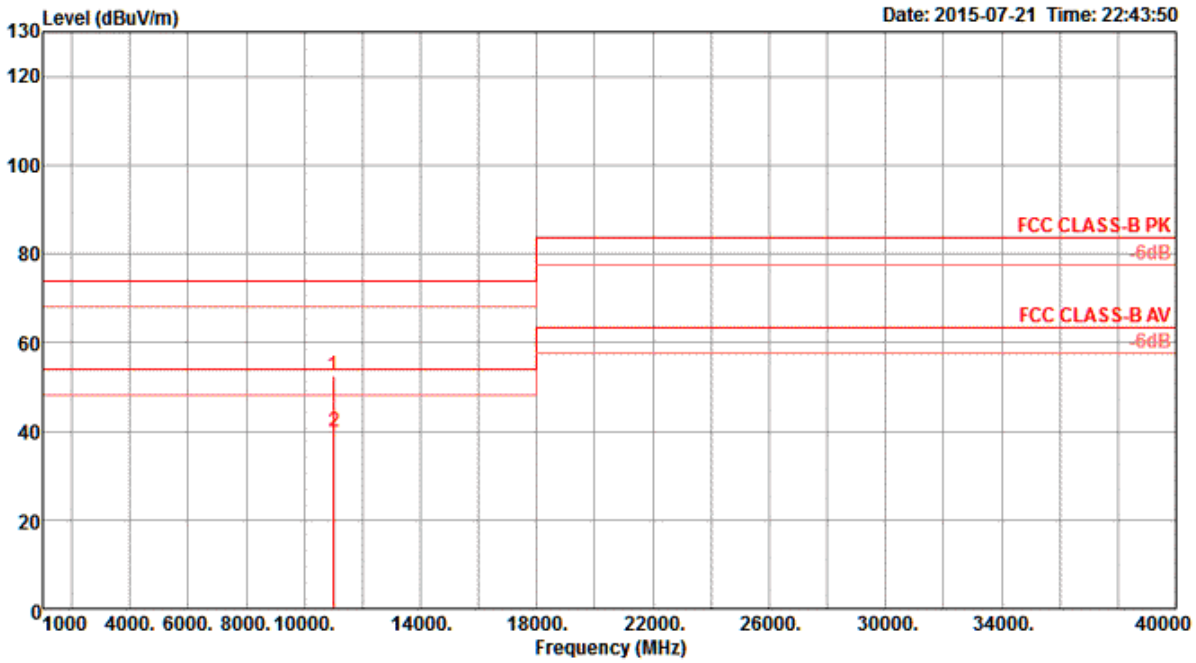
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10606.06	39.40	54.00	-14.60	29.34	6.21	38.78	34.93	289	152	Average	VERTICAL
2	10613.43	51.83	74.00	-22.17	41.77	6.21	38.78	34.93	289	152	Peak	VERTICAL
3	15925.75	56.19	74.00	-17.81	44.57	7.69	38.88	34.95	304	152	Peak	VERTICAL
4	15954.92	42.69	54.00	-11.31	31.03	7.70	38.94	34.98	304	152	Average	VERTICAL

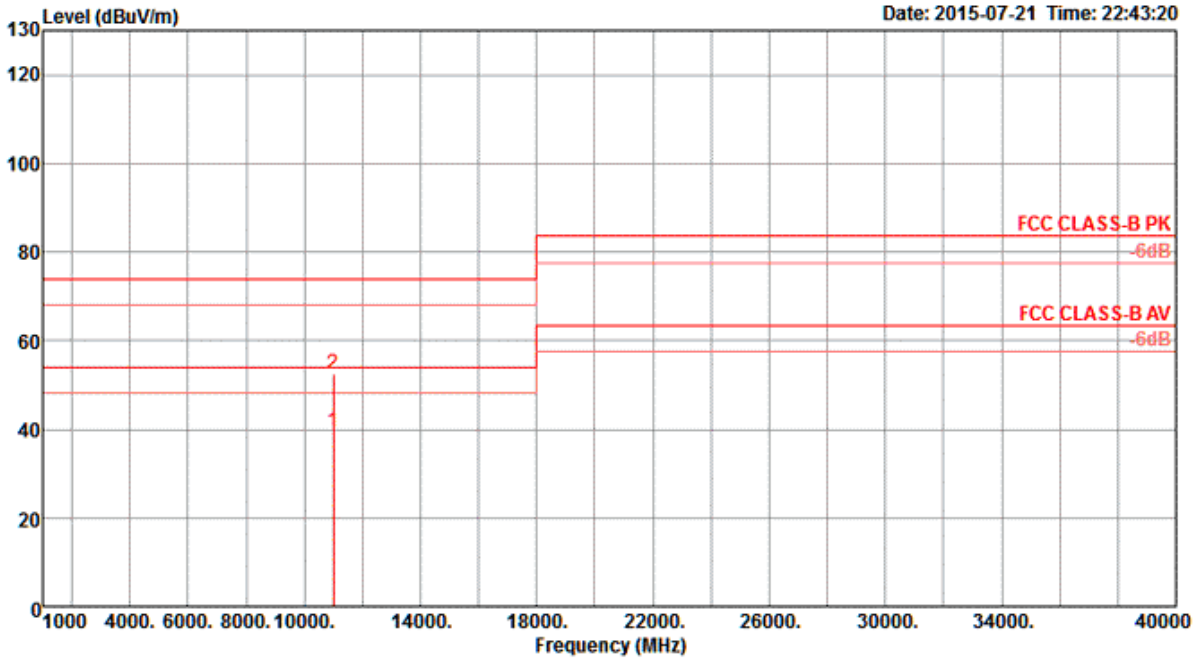
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11011.67	52.51	74.00	-21.49	42.07	6.40	38.70	34.66	205	152	Peak	HORIZONTAL
2	11021.76	39.70	54.00	-14.30	29.25	6.41	38.70	34.66	205	152	Average	HORIZONTAL

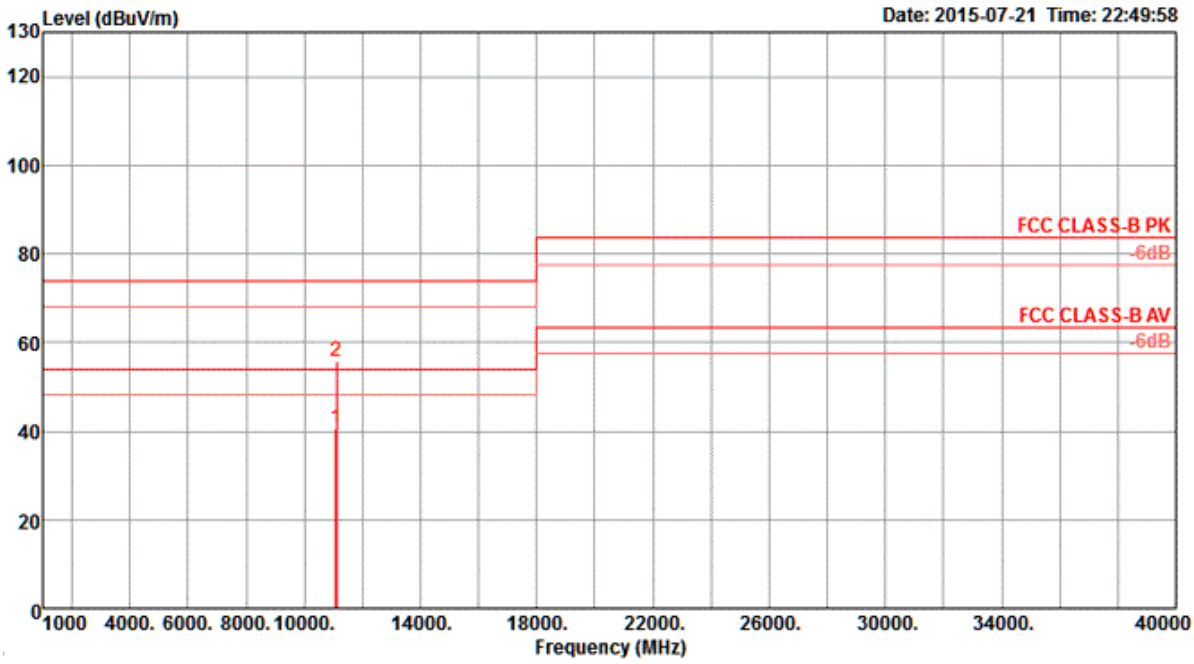
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	10995.00	39.63	54.00	-14.37	29.19	6.40	38.70	34.66	216	152	Average	VERTICAL
2	11000.13	52.59	74.00	-21.41	42.15	6.40	38.70	34.66	216	152	Peak	VERTICAL

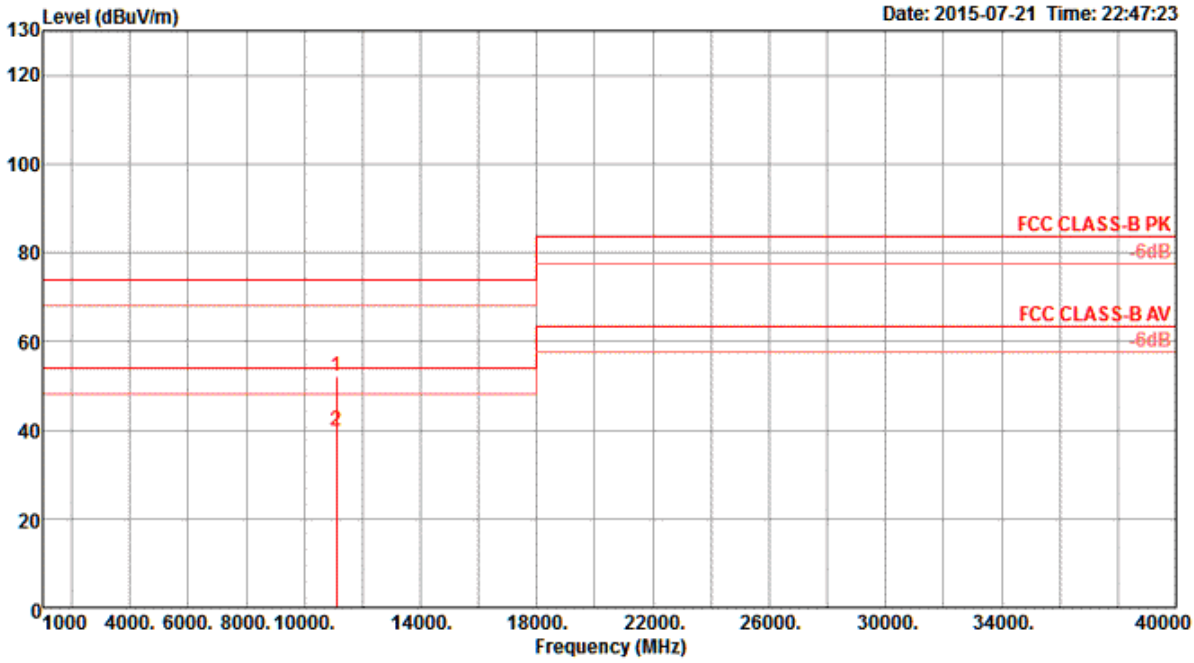
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11080.13	40.61	54.00	-13.39	30.14	6.42	38.70	34.65	261	152	Average	HORIZONTAL
2	11100.16	55.91	74.00	-18.09	45.43	6.43	38.70	34.65	261	152	Peak	HORIZONTAL

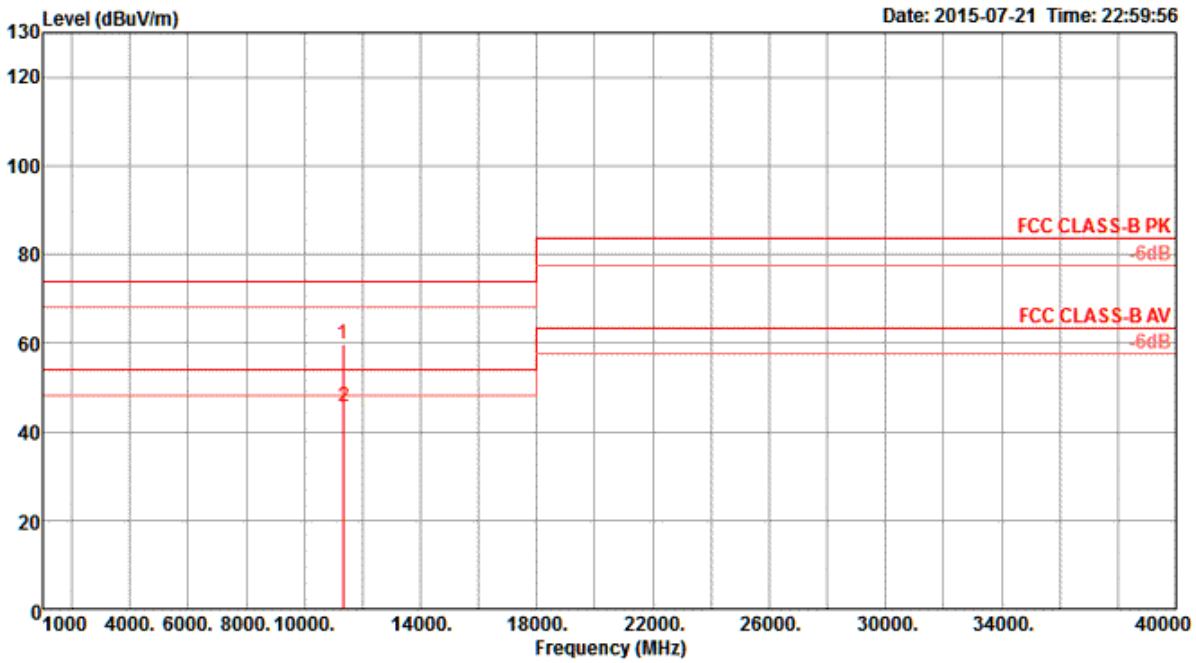
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11100.40	52.32	74.00	-21.68	41.84	6.43	38.70	34.65	307	152	Peak	VERTICAL
2	11107.05	39.83	54.00	-14.17	29.35	6.43	38.70	34.65	307	152	Average	VERTICAL

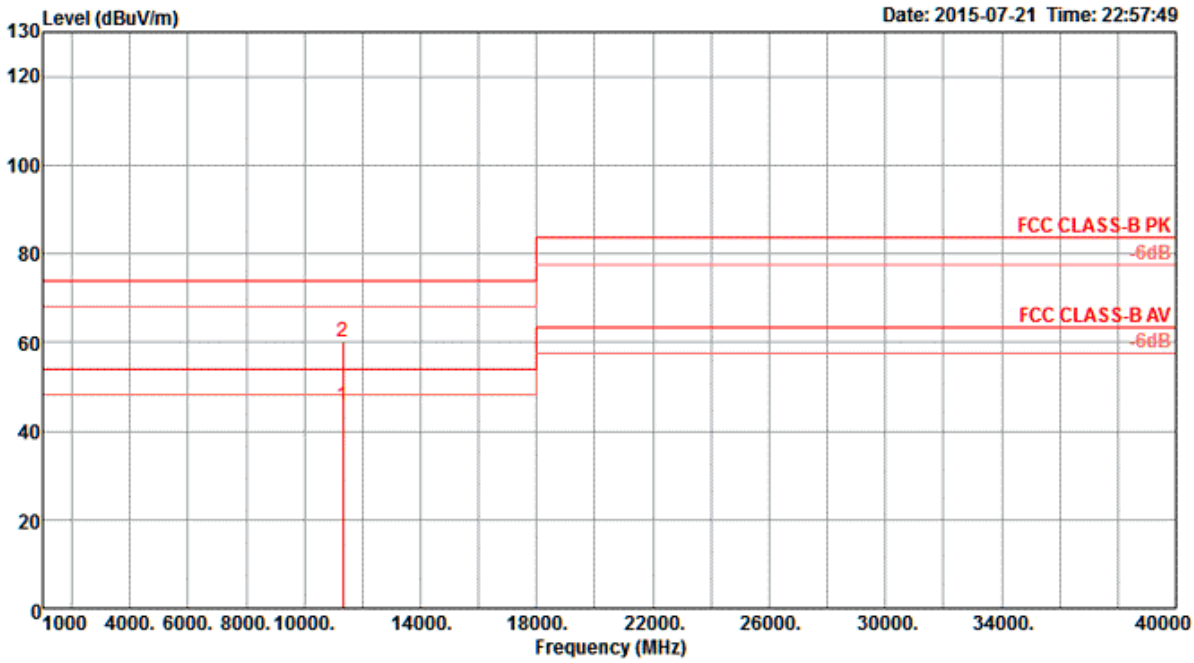
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11336.55	59.63	74.00	-14.37	49.07	6.49	38.70	34.63	352	170	Peak	HORIZONTAL
2	11349.54	45.77	54.00	-8.23	35.20	6.50	38.70	34.63	352	170	Average	HORIZONTAL

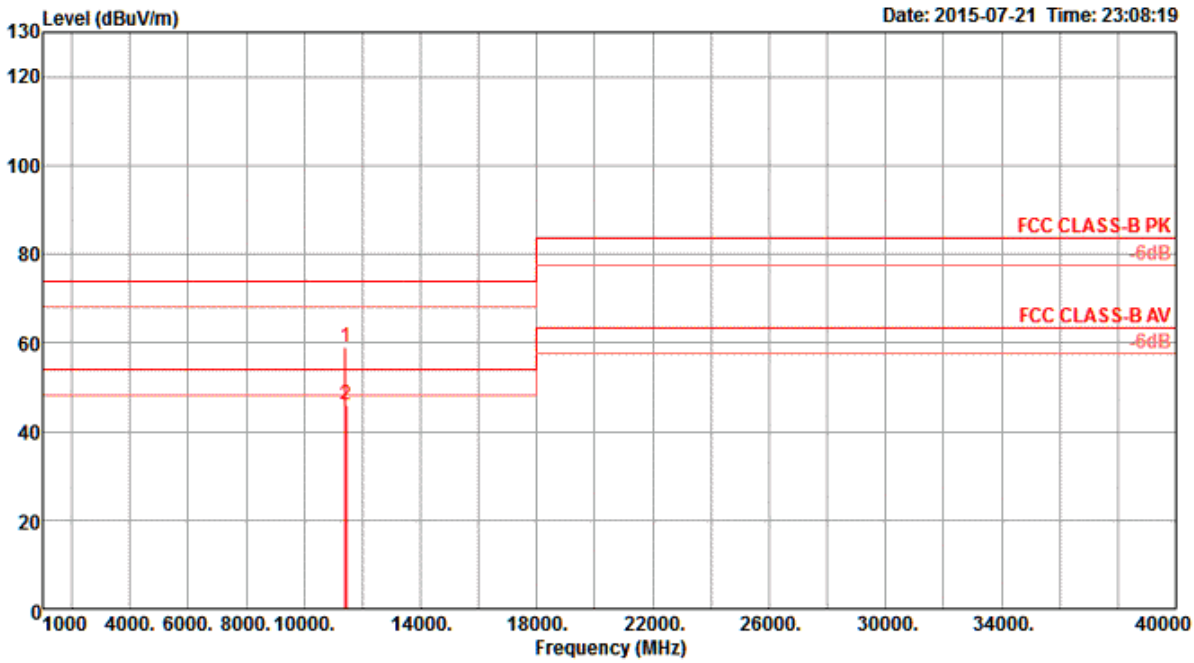
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11322.21	45.65	54.00	-8.35	35.09	6.49	38.70	34.63	330	155	Average	VERTICAL
2	11330.38	60.24	74.00	-13.76	49.68	6.49	38.70	34.63	330	155	Peak	VERTICAL

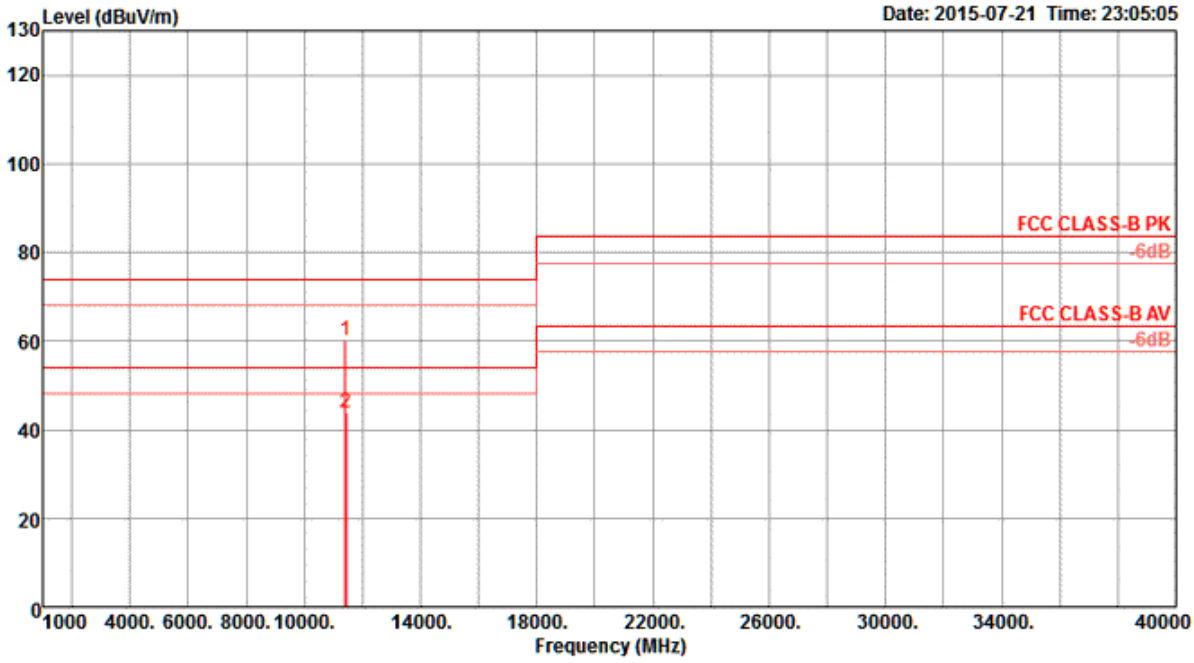
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11420.80	58.86	74.00	-15.14	48.28	6.51	38.70	34.63	318	177	Peak	HORIZONTAL
2	11442.36	45.83	54.00	-8.17	35.23	6.52	38.70	34.62	318	177	Average	HORIZONTAL

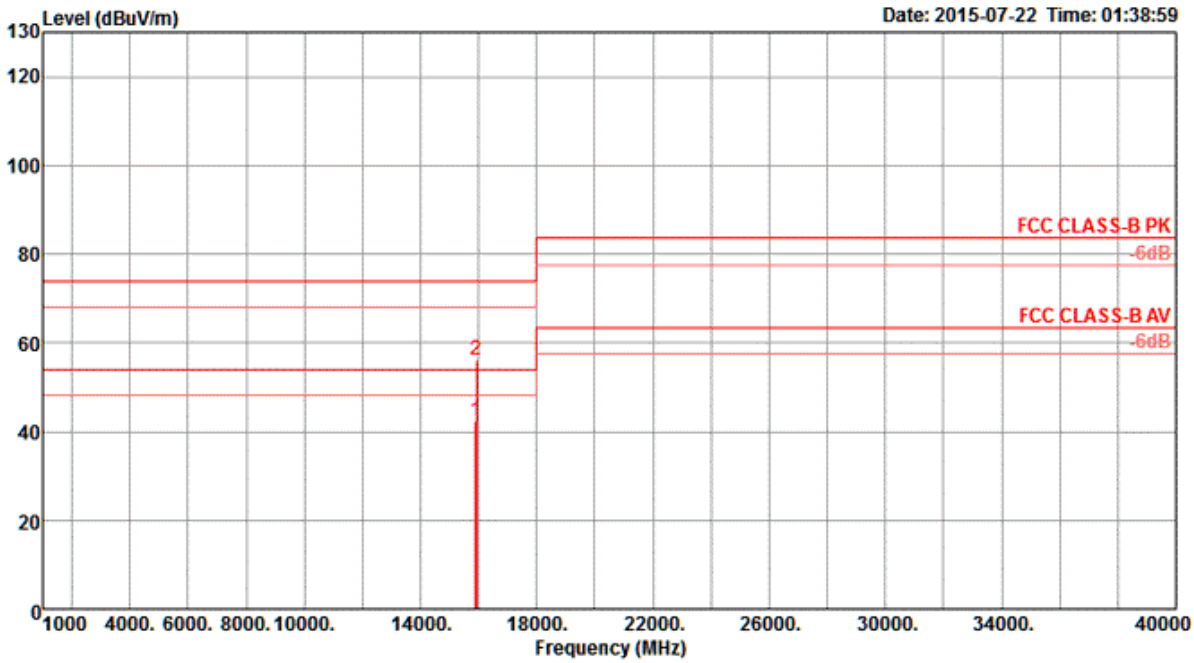
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11419.92	59.97	74.00	-14.03	49.39	6.51	38.70	34.63	337	145	Peak	VERTICAL
2	11439.07	43.78	54.00	-10.22	33.19	6.52	38.70	34.63	337	145	Average	VERTICAL

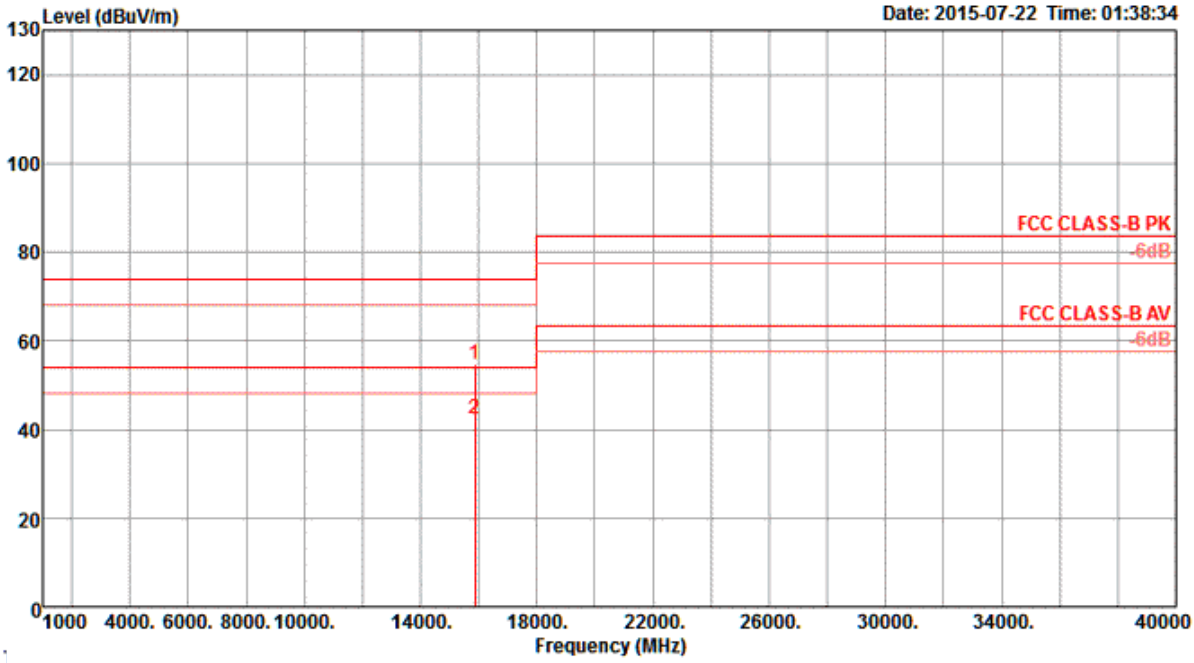
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15894.62	42.34	54.00	-11.66	30.78	7.68	38.81	34.93	225	154	Average	HORIZONTAL
2	15909.87	56.06	74.00	-17.94	44.48	7.69	38.84	34.95	225	154	Peak	HORIZONTAL

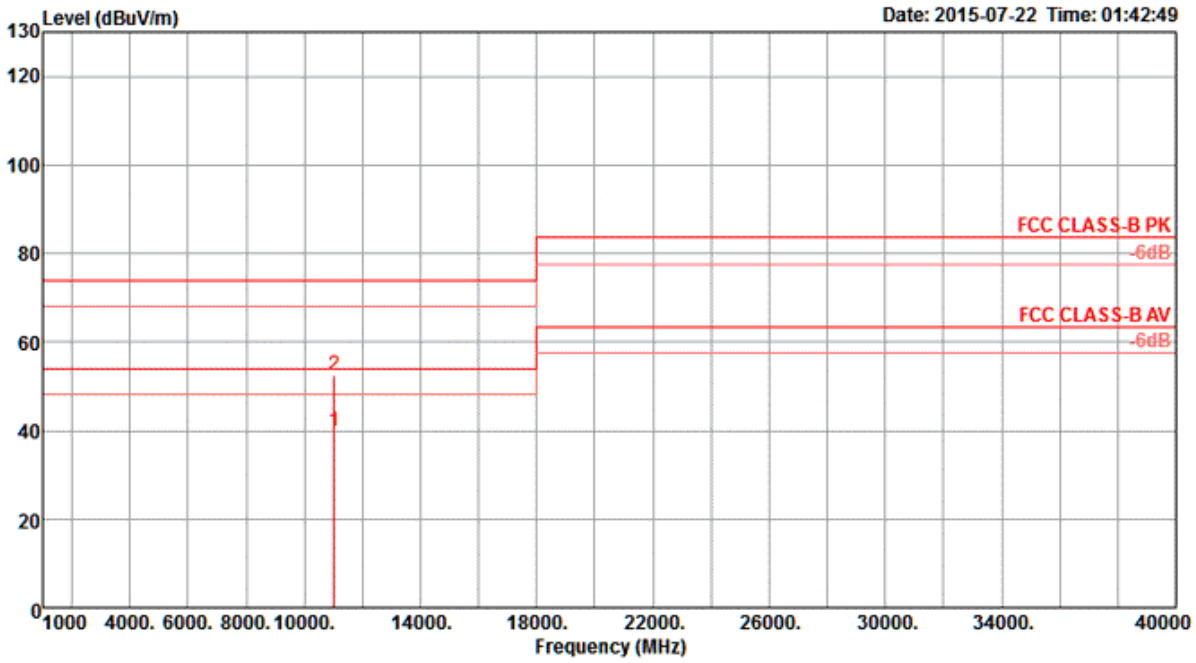
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15867.05	54.85	74.00	-19.15	43.31	7.67	38.78	34.91	230	154	Peak	VERTICAL
2	15871.92	42.30	54.00	-11.70	30.76	7.67	38.78	34.91	230	154	Average	VERTICAL

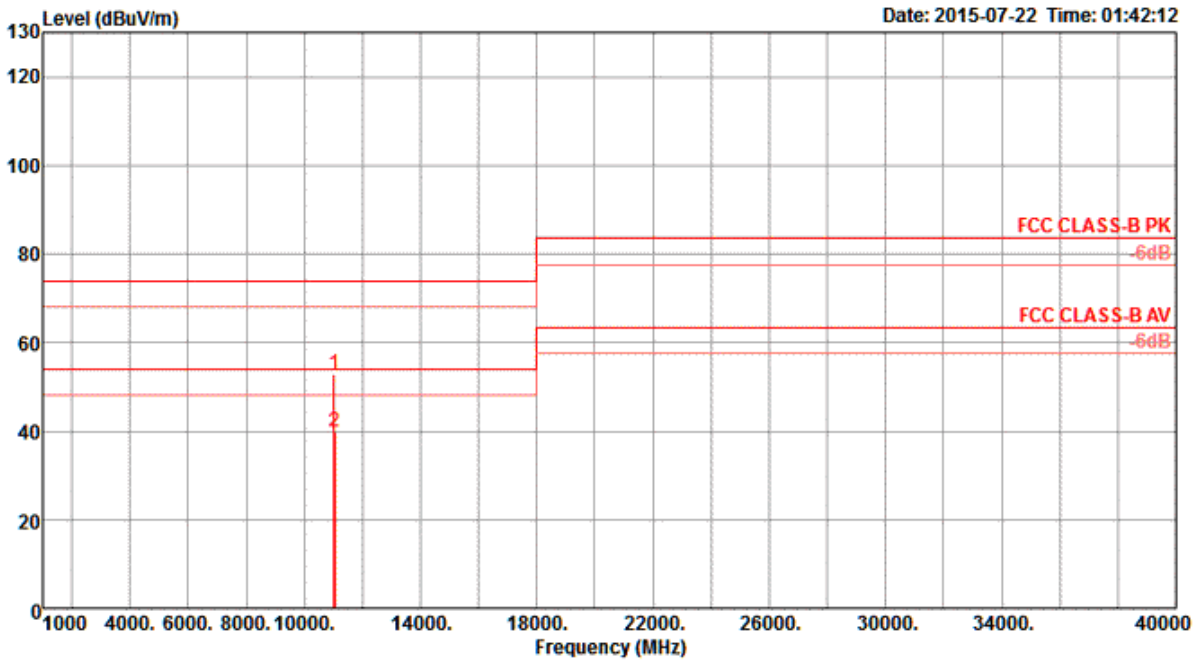
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11020.26	39.71	54.00	-14.29	29.27	6.40	38.70	34.66	202	153	Average	HORIZONTAL
2	11028.33	52.53	74.00	-21.47	42.08	6.41	38.70	34.66	202	153	Peak	HORIZONTAL

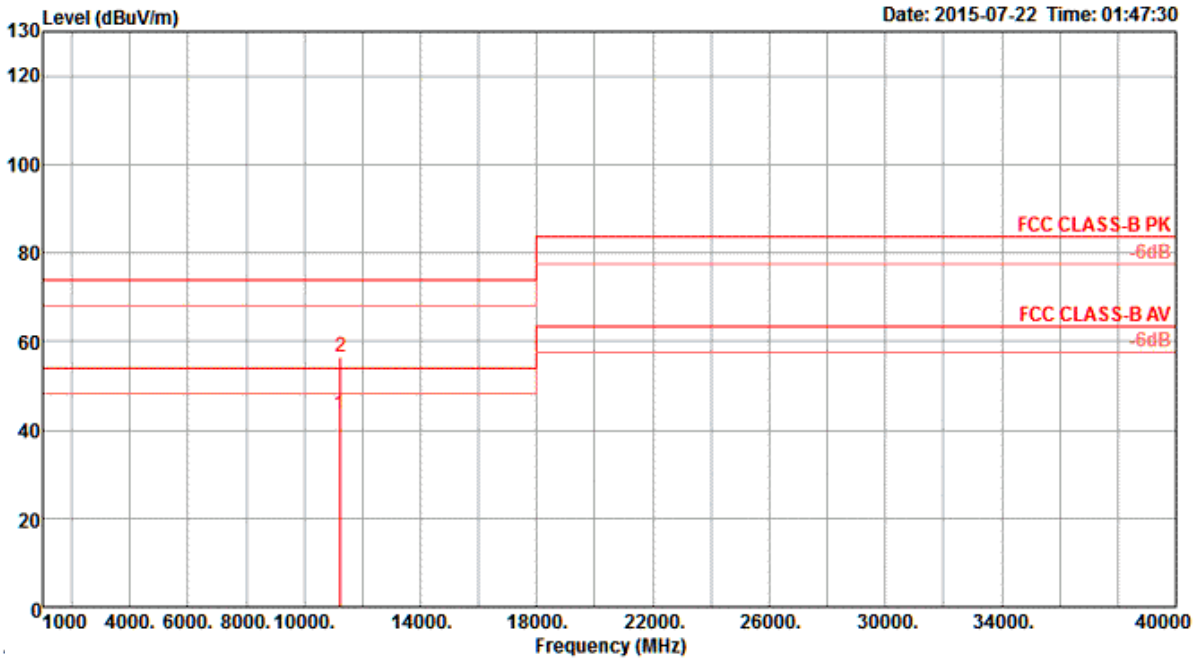
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11036.79	52.84	74.00	-21.16	42.39	6.41	38.70	34.66	214	153	Peak	VERTICAL
2	11056.54	39.68	54.00	-14.32	29.22	6.42	38.70	34.66	214	153	Average	VERTICAL

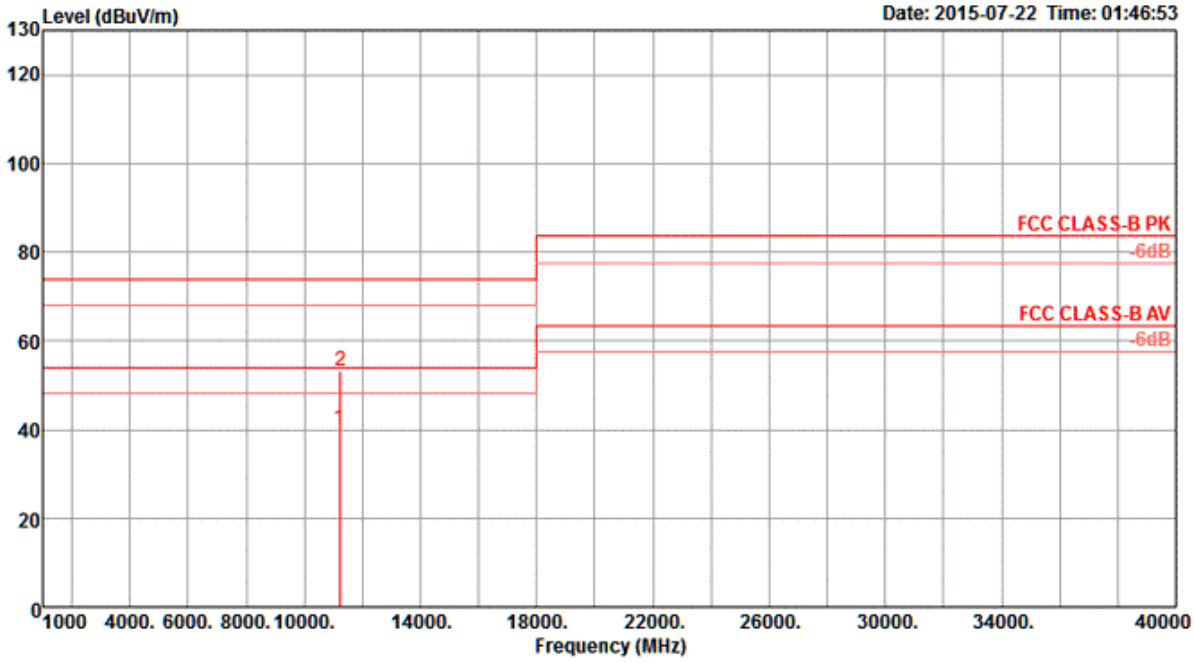
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11212.55	43.52	54.00	-10.48	33.00	6.46	38.70	34.64	278	156	Average	HORIZONTAL
2	11236.51	56.51	74.00	-17.49	45.99	6.46	38.70	34.64	278	156	Peak	HORIZONTAL

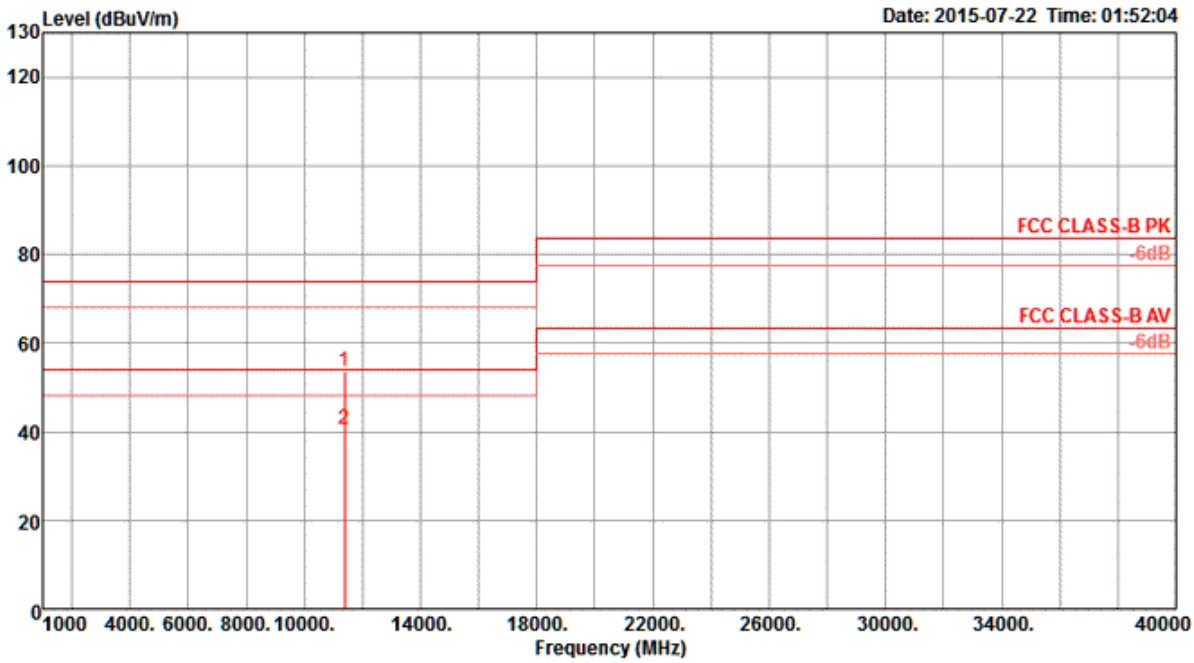
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11231.86	40.23	54.00	-13.77	29.71	6.46	38.70	34.64	251	159	Average	VERTICAL
2	11241.15	53.29	74.00	-20.71	42.77	6.46	38.70	34.64	251	159	Peak	VERTICAL

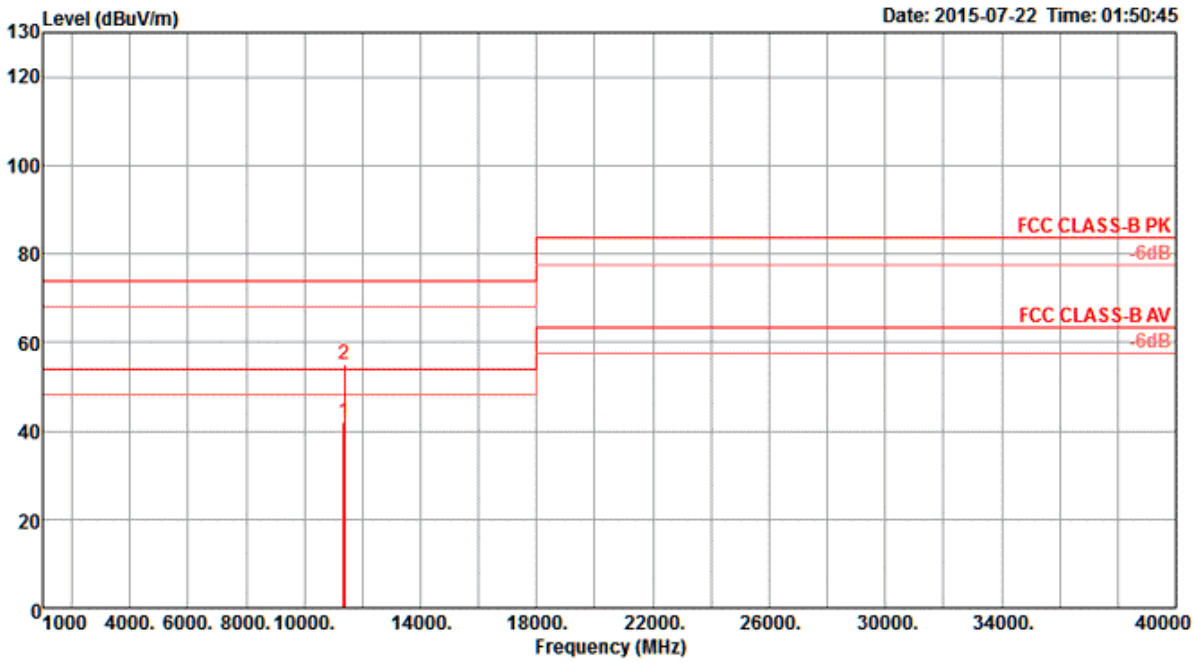
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11389.54	53.59	74.00	-20.41	43.01	6.51	38.70	34.63	254	151	Peak	HORIZONTAL
2	11398.19	40.45	54.00	-13.55	29.87	6.51	38.70	34.63	254	151	Average	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11370.71	41.98	54.00	-12.02	31.41	6.50	38.70	34.63	287	156	Average	VERTICAL
2	11381.76	55.19	74.00	-18.81	44.61	6.51	38.70	34.63	287	156	Peak	VERTICAL

Note:

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

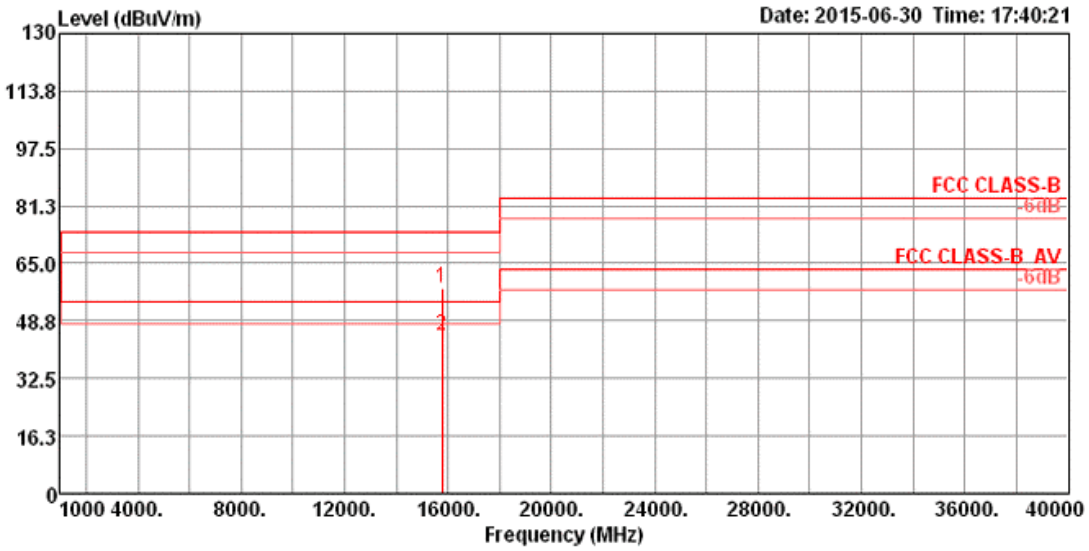
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

<For Radio 3>

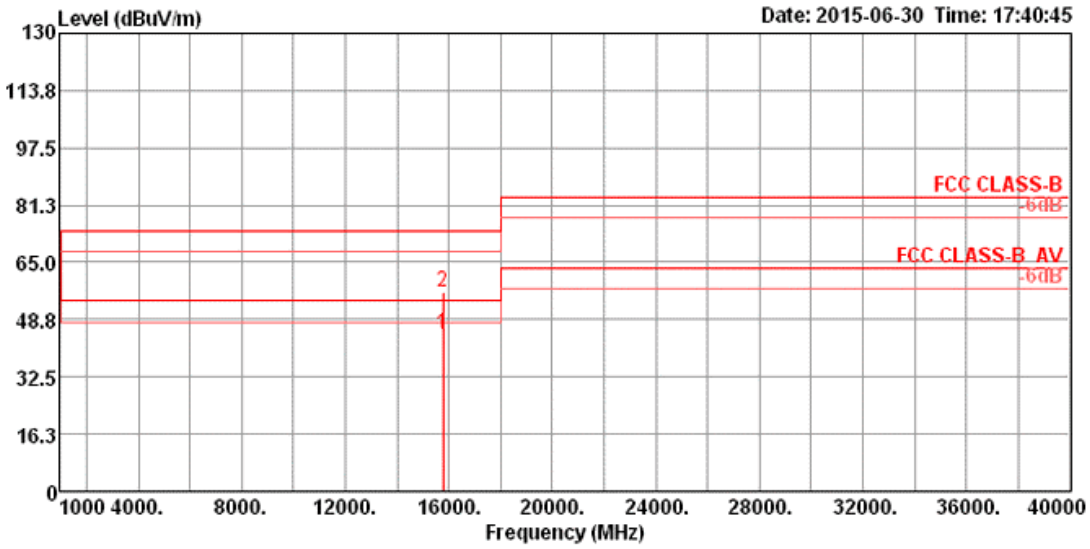
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 52 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15778.99	58.06	74.00	-15.94	41.68	12.57	37.76	33.95	Peak	178	237	HORIZONTAL
2	15782.18	44.80	54.00	-9.20	28.45	12.57	37.73	33.95	Average	178	237	HORIZONTAL

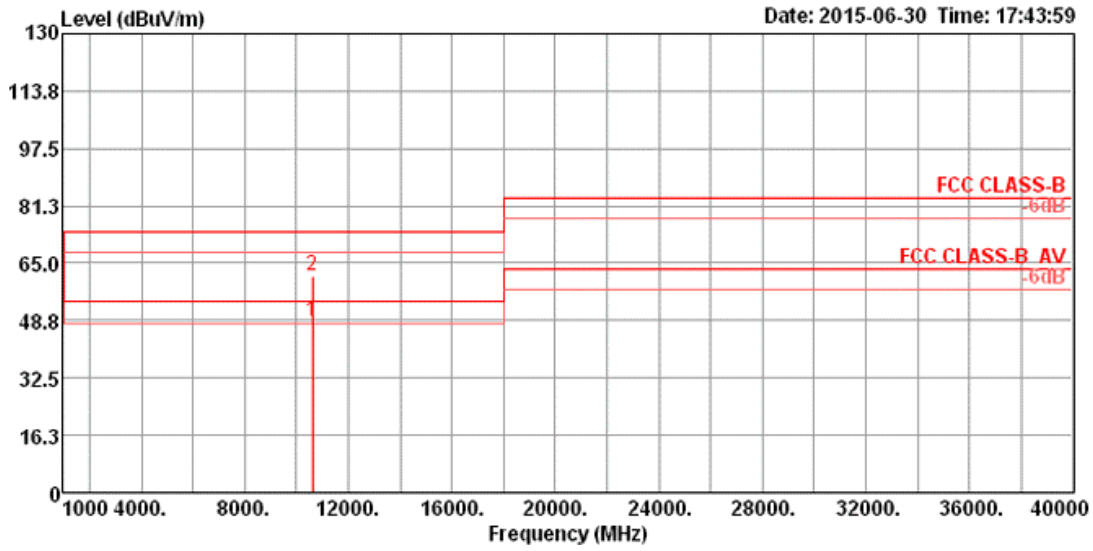
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15777.24	44.68	54.00	-9.32	28.28	12.57	37.76	33.93	Average	191	199	VERTICAL
2	15778.53	56.46	74.00	-17.54	40.08	12.57	37.76	33.95	Peak	191	199	VERTICAL

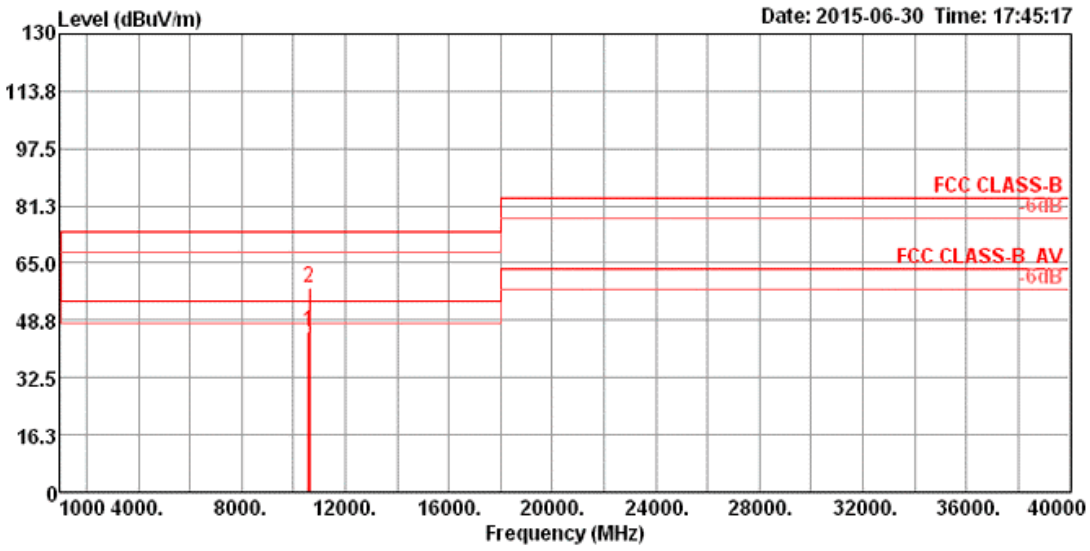
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 60 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.00	48.39	54.00	-5.61	33.46	10.16	38.40	33.63	Average	157	289	HORIZONTAL
2	10603.01	61.55	74.00	-12.45	46.58	10.19	38.40	33.62	Peak	157	289	HORIZONTAL

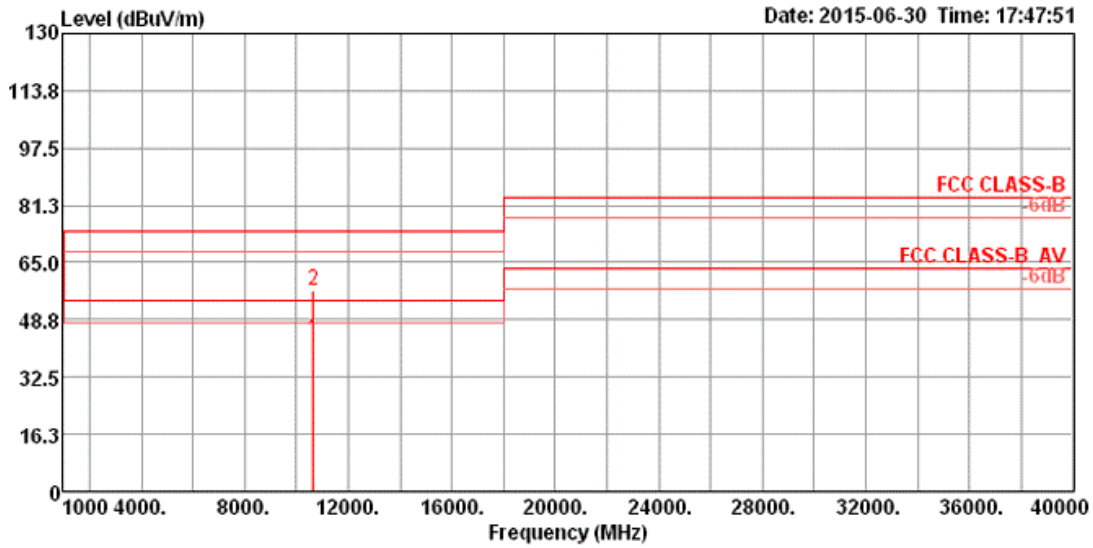
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10599.71	45.37	54.00	-8.63	30.44	10.16	38.40	33.63	Average	202	271	VERTICAL
2	10600.42	57.87	74.00	-16.13	42.94	10.16	38.40	33.63	Peak	202	271	VERTICAL

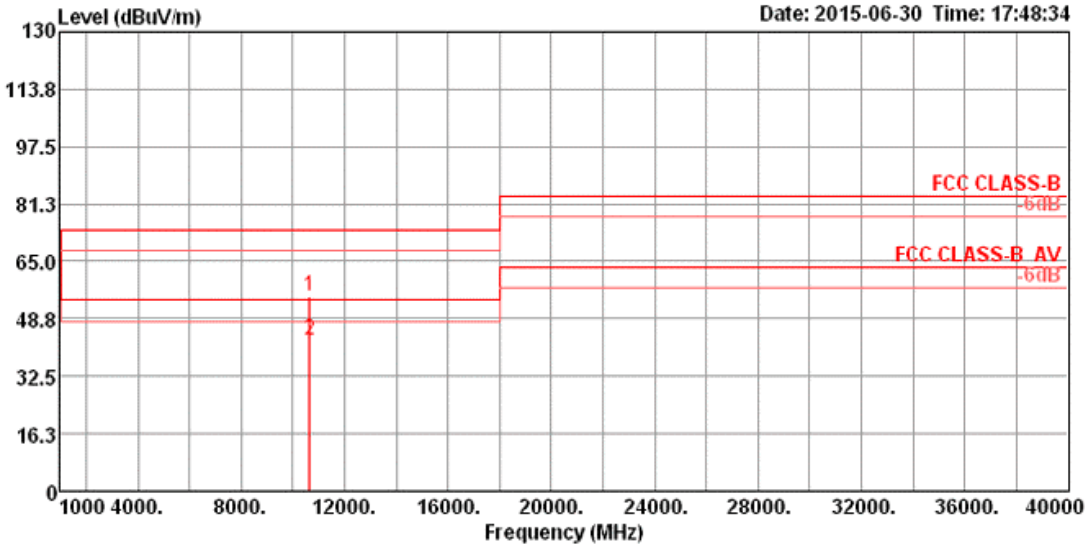
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 64 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10639.92	43.27	54.00	-10.73	28.26	10.21	38.40	33.60	Average	209	253	HORIZONTAL
2	10643.08	56.89	74.00	-17.11	41.88	10.21	38.40	33.60	Peak	209	253	HORIZONTAL

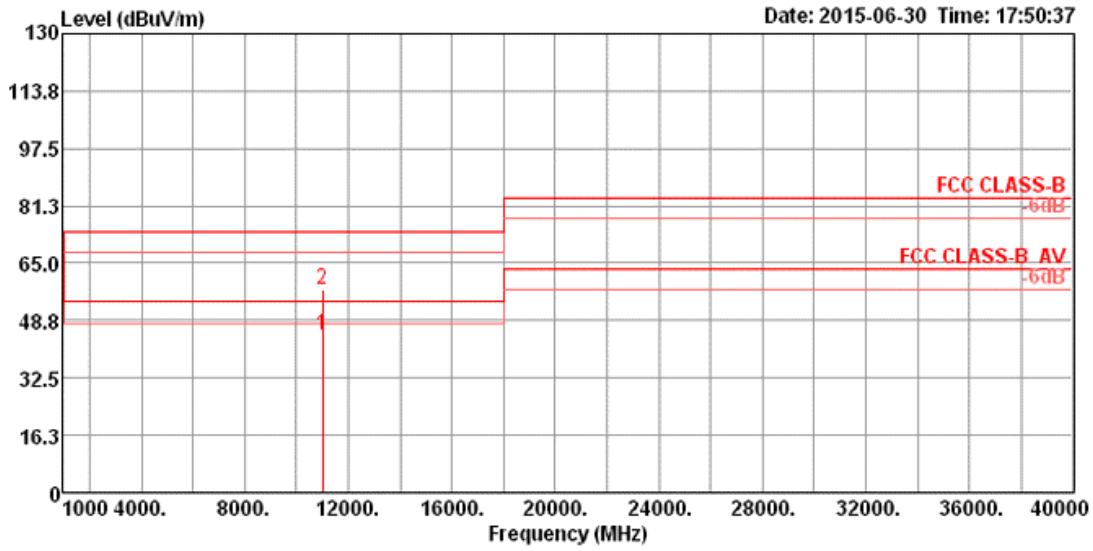
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10637.47	55.31	74.00	-18.69	40.30	10.21	38.40	33.60	Peak	167	131	VERTICAL
2	10643.88	42.47	54.00	-11.53	27.46	10.21	38.40	33.60	Average	167	131	VERTICAL

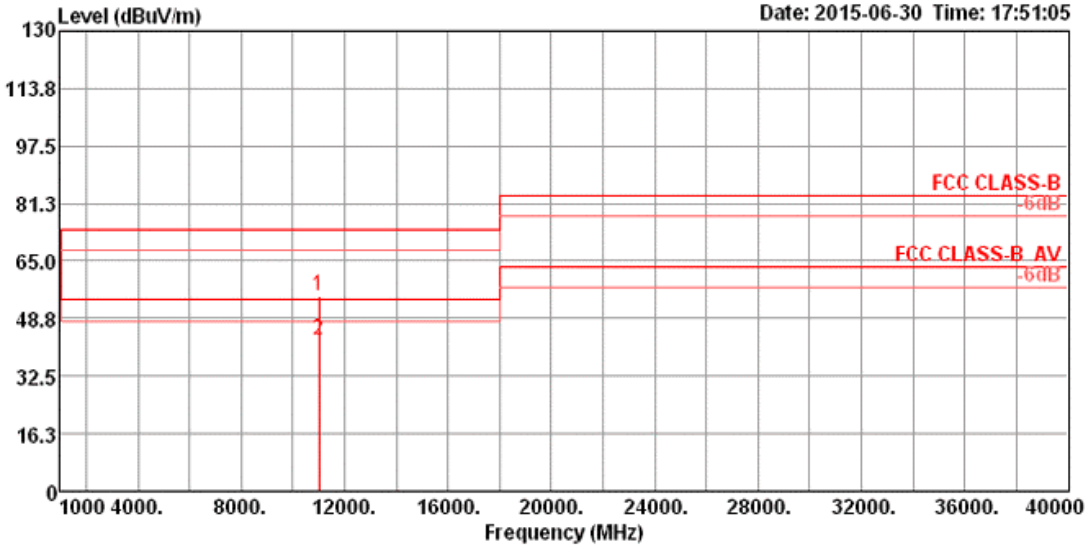
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 100 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10998.25	44.45	54.00	-9.55	28.88	10.55	38.40	33.38	Average	151	322	HORIZONTAL
2	11000.69	57.75	74.00	-16.25	42.18	10.55	38.40	33.38	Peak	151	322	HORIZONTAL

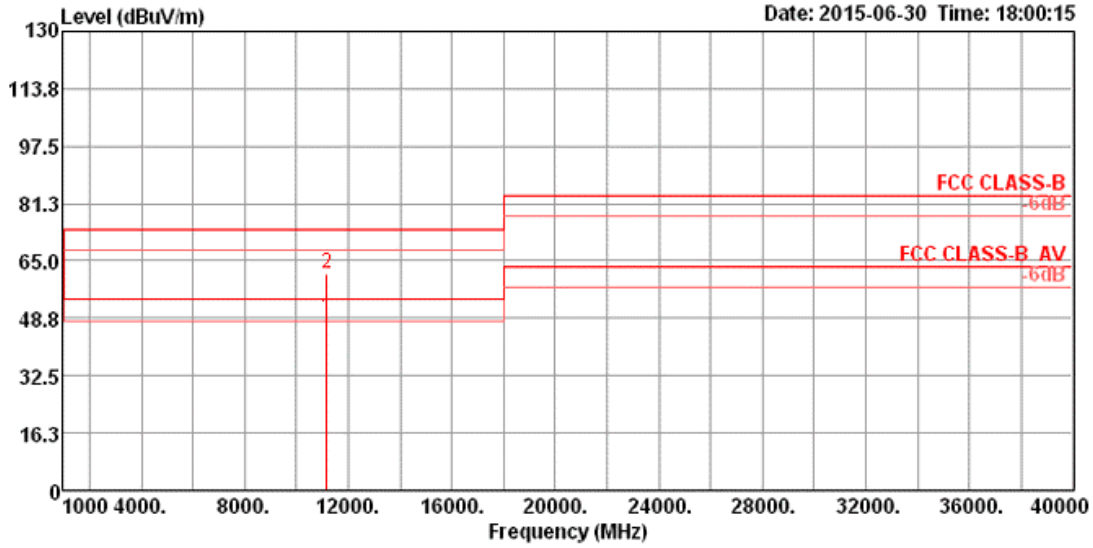
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11002.15	55.34	74.00	-18.66	39.77	10.55	38.40	33.38	Peak	117	273	VERTICAL
2	11002.55	42.85	54.00	-11.15	27.28	10.55	38.40	33.38	Average	117	273	VERTICAL

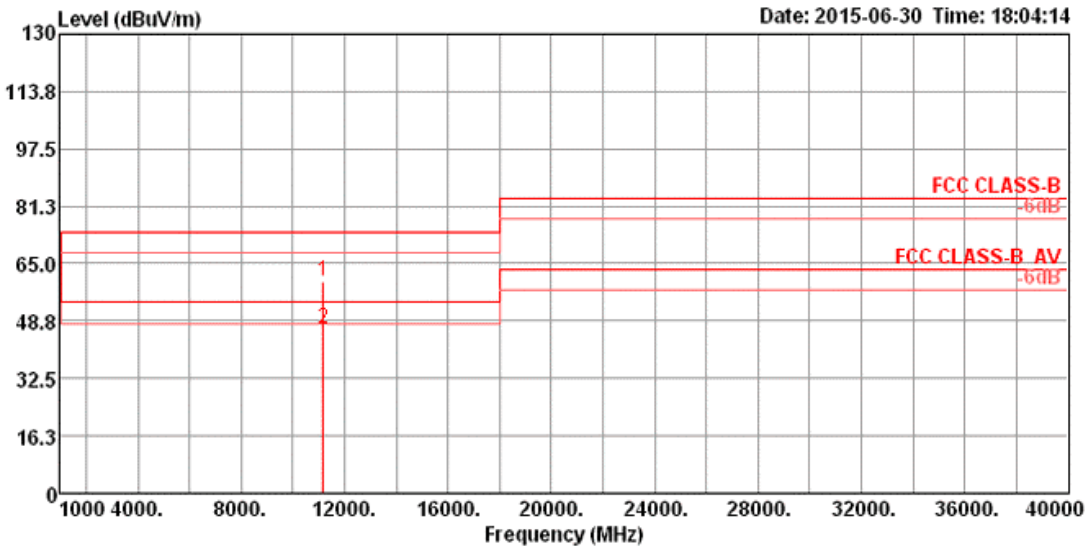
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 116 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11160.00	49.06	54.00	-4.94	33.27	10.60	38.57	33.38	Average	122	18	HORIZONTAL
2	11161.54	61.53	74.00	-12.47	45.74	10.60	38.57	33.38	Peak	122	18	HORIZONTAL

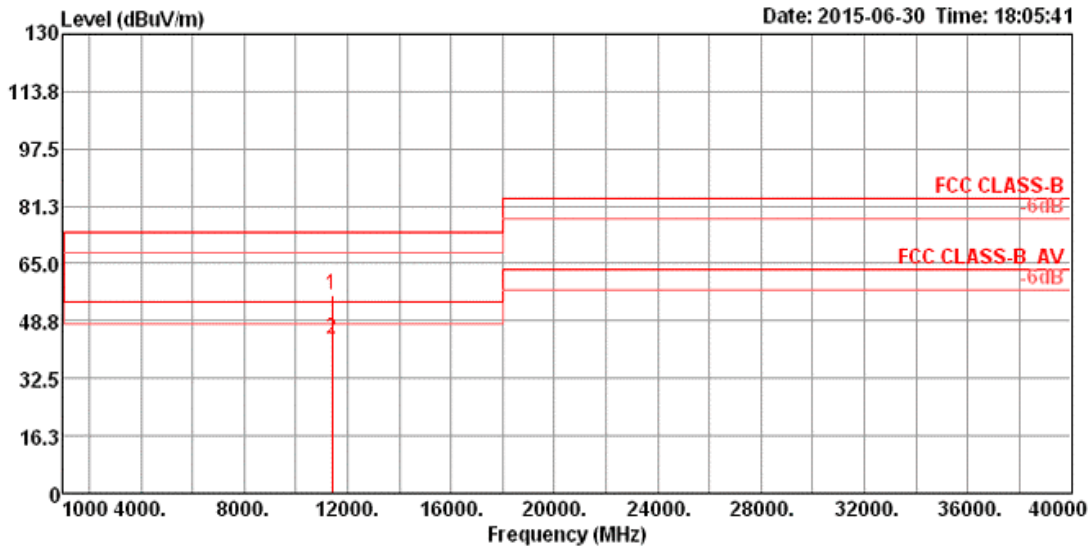
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11160.43	60.19	74.00	-13.81	44.40	10.60	38.57	33.38	Peak	168	343	VERTICAL
2	11162.16	46.76	54.00	-7.24	30.96	10.61	38.57	33.38	Average	168	343	VERTICAL

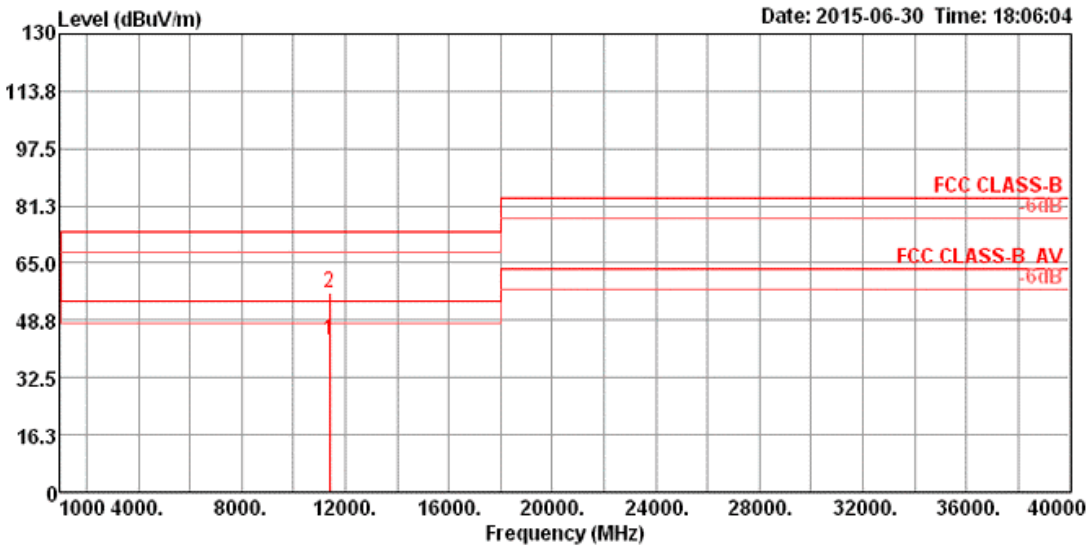
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 140 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11397.69	56.15	74.00	-17.85	40.03	10.69	38.80	33.37	Peak	195	62	HORIZONTAL
2	11399.78	43.57	54.00	-10.43	27.45	10.69	38.80	33.37	Average	195	62	HORIZONTAL

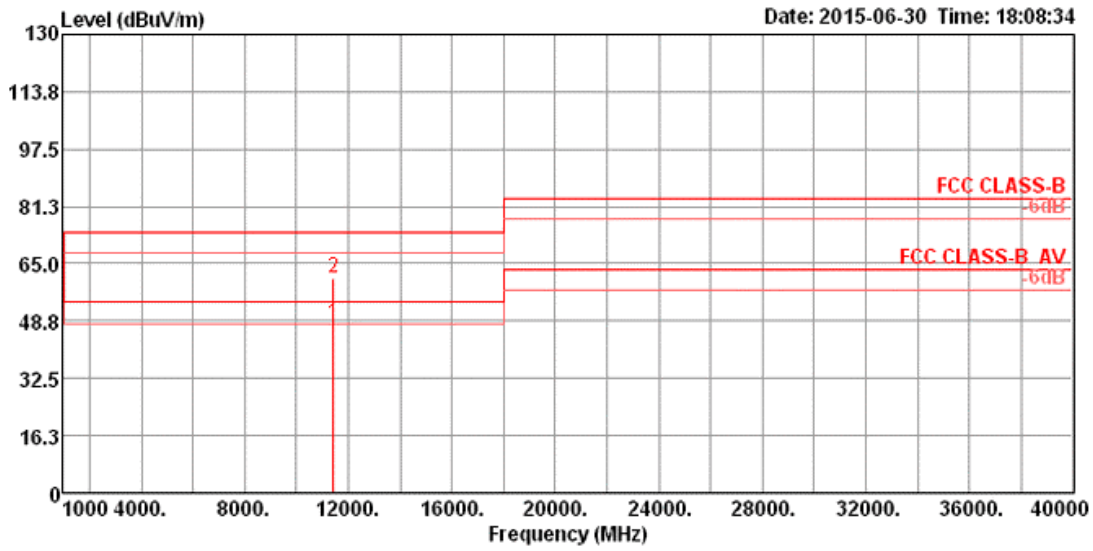
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11396.25	43.13	54.00	-10.87	27.01	10.69	38.80	33.37	Average	172	107	VERTICAL
2	11402.20	56.66	74.00	-17.34	40.54	10.69	38.80	33.37	Peak	172	107	VERTICAL

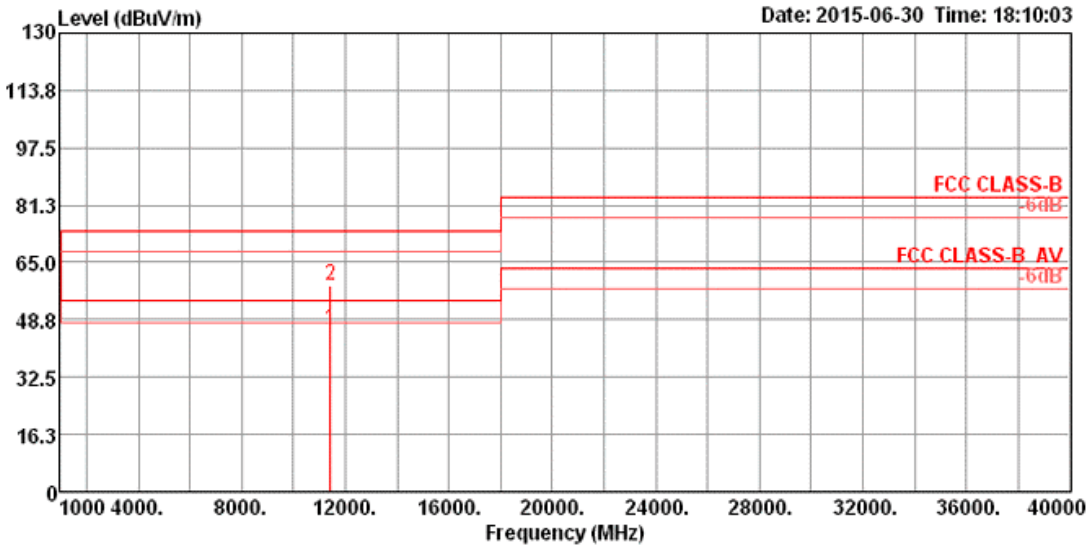
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 144 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11442.00	48.16	54.00	-5.84	32.01	10.69	38.83	33.37	Average	178	63	HORIZONTAL
2	11444.87	60.97	74.00	-13.03	44.81	10.70	38.83	33.37	Peak	178	63	HORIZONTAL

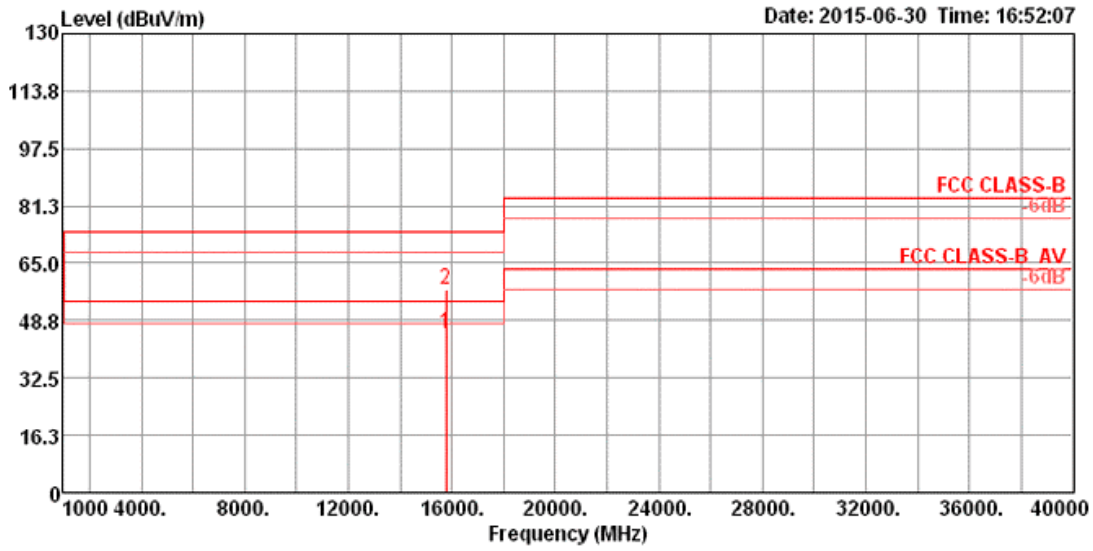
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11438.57	46.16	54.00	-7.84	30.01	10.69	38.83	33.37	Average	170	248	VERTICAL
2	11440.22	58.76	74.00	-15.24	42.61	10.69	38.83	33.37	Peak	170	248	VERTICAL

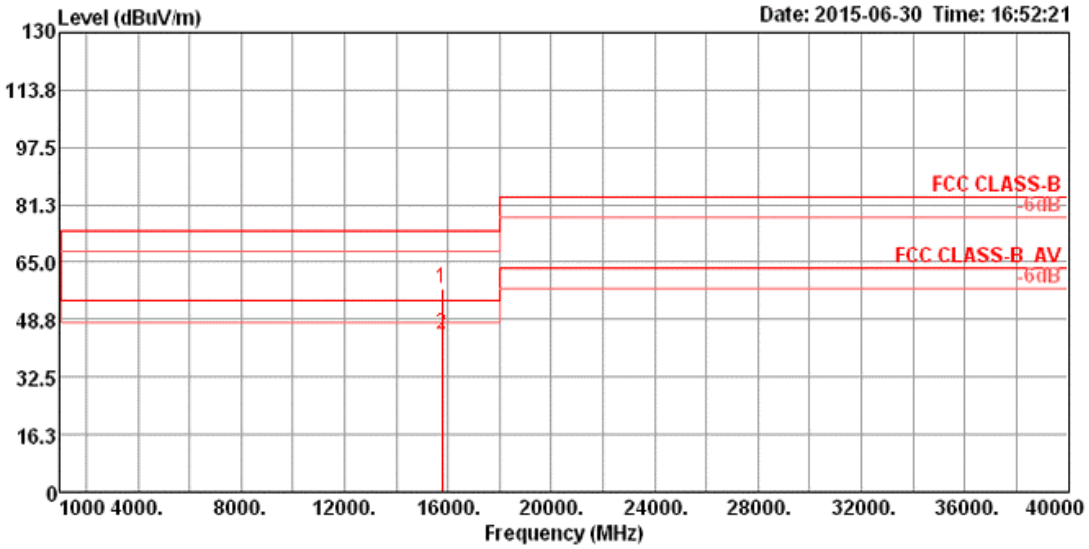
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15777.82	45.04	54.00	-8.96	28.66	12.57	37.76	33.95	Average	194	127	HORIZONTAL
2	15778.22	57.78	74.00	-16.22	41.40	12.57	37.76	33.95	Peak	194	127	HORIZONTAL

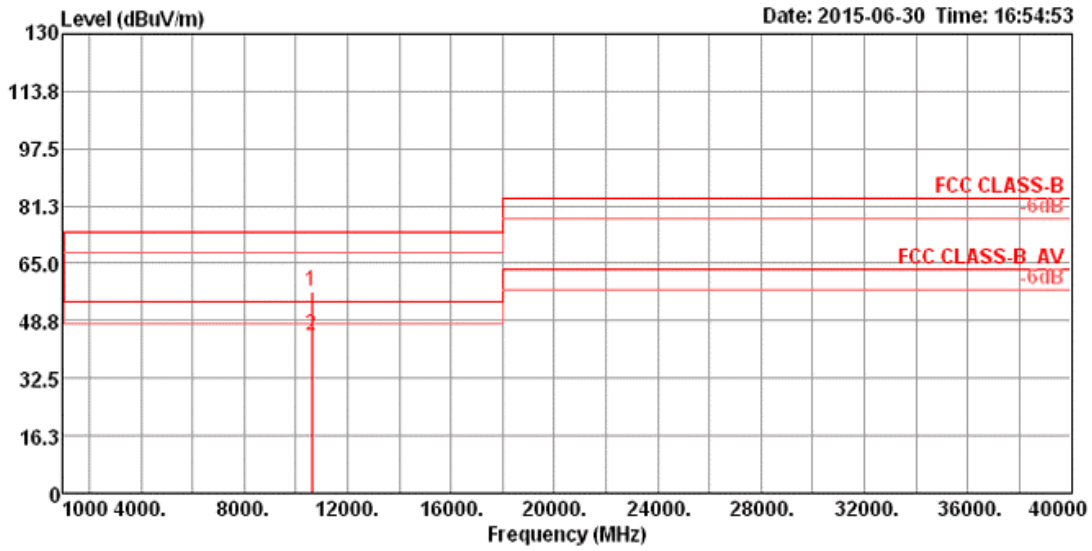
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15780.35	57.79	74.00	-16.21	41.41	12.57	37.76	33.95	Peak	180	192	VERTICAL
2	15784.44	44.76	54.00	-9.24	28.41	12.57	37.73	33.95	Average	180	192	VERTICAL

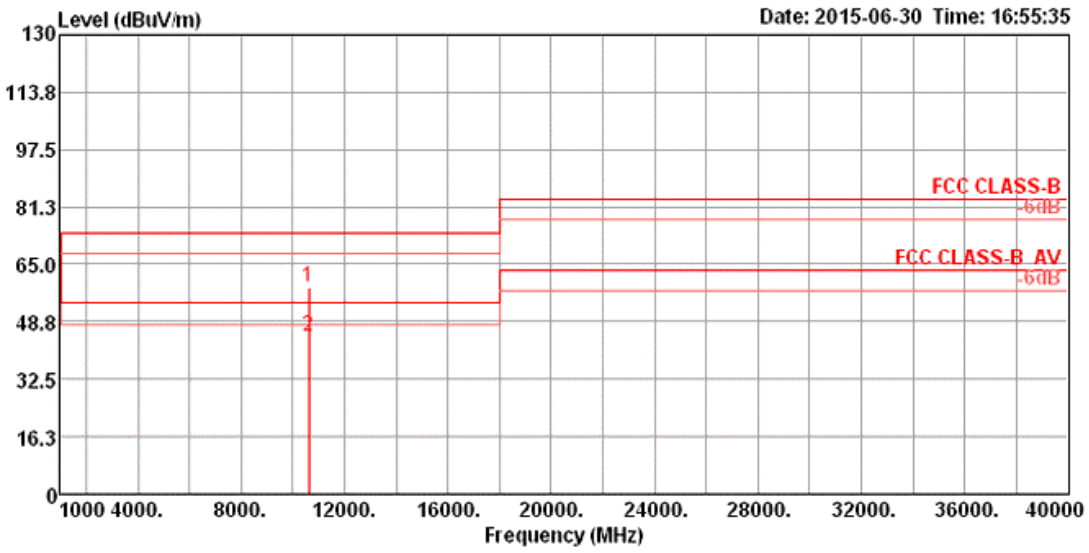
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10600.56	56.96	74.00	-17.04	42.03	10.16	38.40	33.63	Peak	196	170	HORIZONTAL
2	10605.18	44.51	54.00	-9.49	29.54	10.19	38.40	33.62	Average	196	170	HORIZONTAL

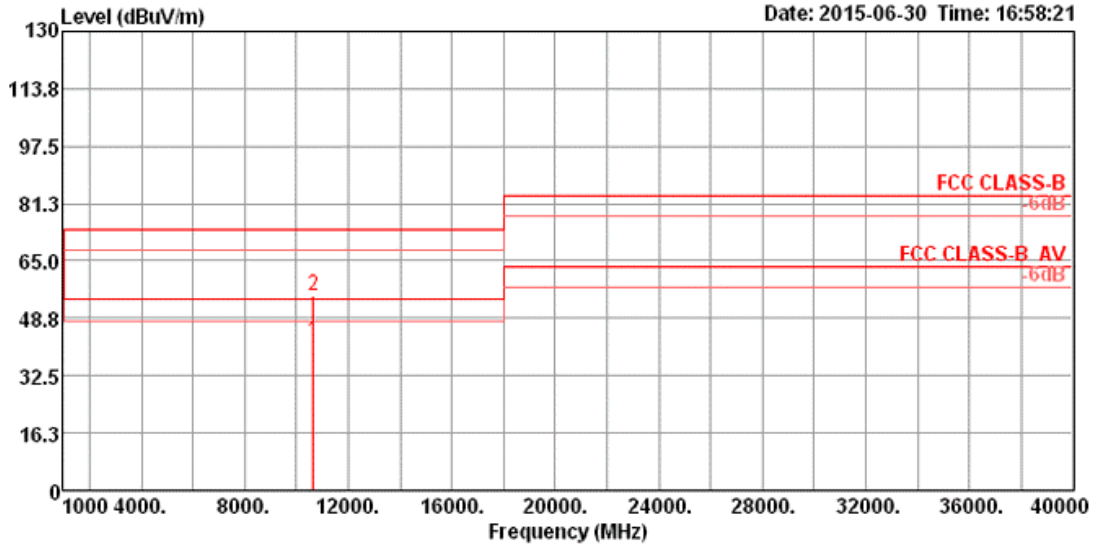
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10602.87	58.33	74.00	-15.67	43.36	10.19	38.40	33.62	Peak	172	143	VERTICAL
2	10606.36	44.37	54.00	-9.63	29.40	10.19	38.40	33.62	Average	172	143	VERTICAL

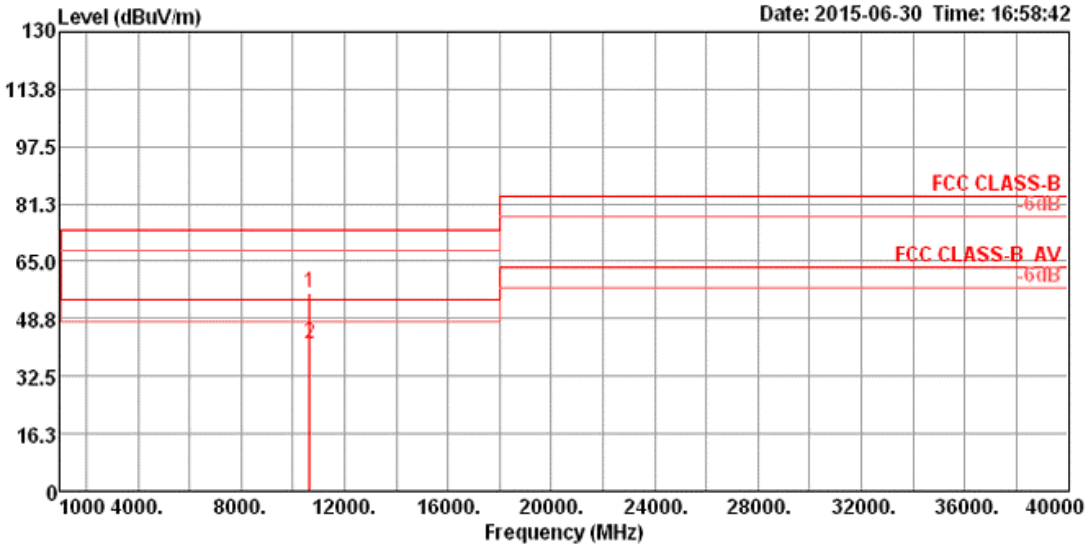
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10635.64	42.44	54.00	-11.56	27.43	10.21	38.40	33.60	Average	199	202	HORIZONTAL
2	10639.55	55.09	74.00	-18.91	40.08	10.21	38.40	33.60	Peak	199	202	HORIZONTAL

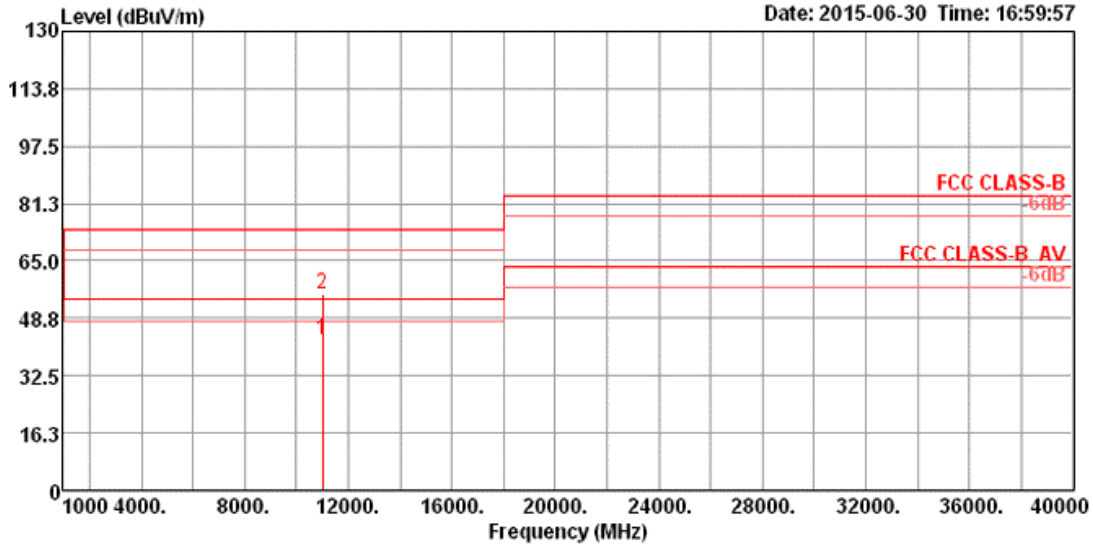
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10642.16	56.03	74.00	-17.97	41.02	10.21	38.40	33.60	Peak	125	114	VERTICAL
2	10643.48	41.90	54.00	-12.10	26.89	10.21	38.40	33.60	Average	125	114	VERTICAL

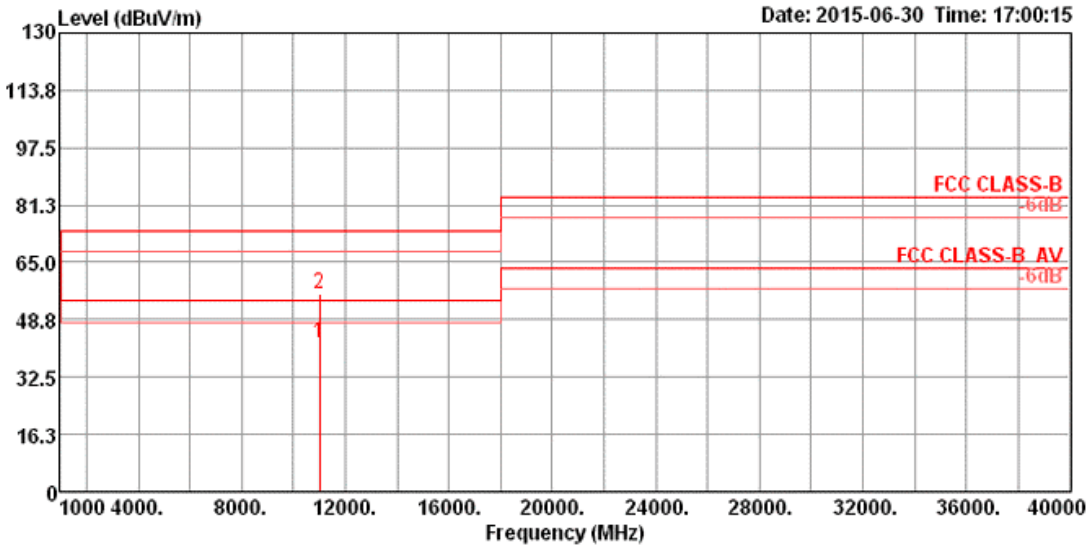
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11000.45	42.91	54.00	-11.09	27.34	10.55	38.40	33.38	Average	143	57	HORIZONTAL
2	11002.36	55.86	74.00	-18.14	40.29	10.55	38.40	33.38	Peak	143	57	HORIZONTAL

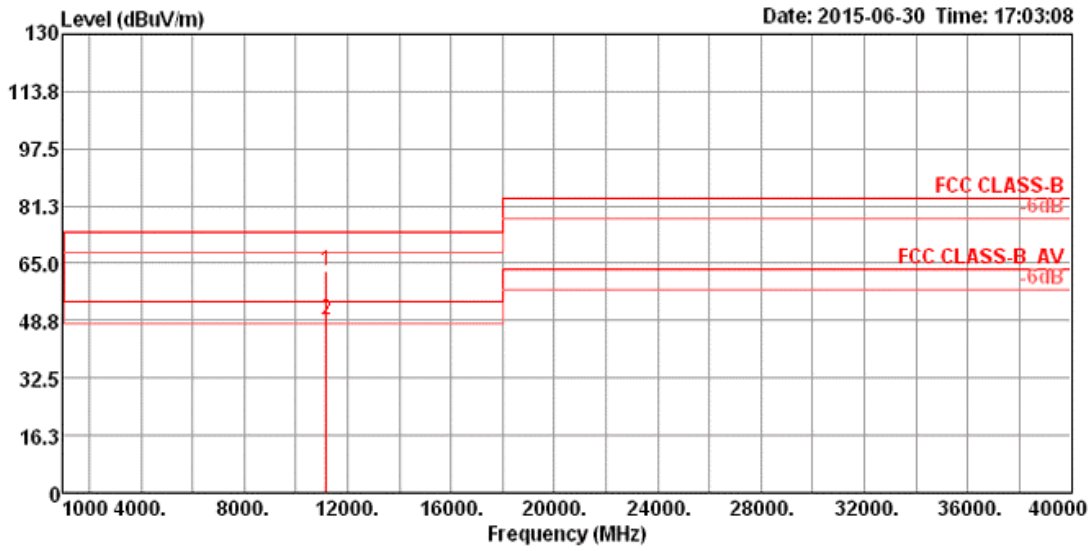
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10996.17	42.27	54.00	-11.73	26.70	10.55	38.40	33.38	Average	166	102	VERTICAL
2	11003.73	56.02	74.00	-17.98	40.45	10.55	38.40	33.38	Peak	166	102	VERTICAL

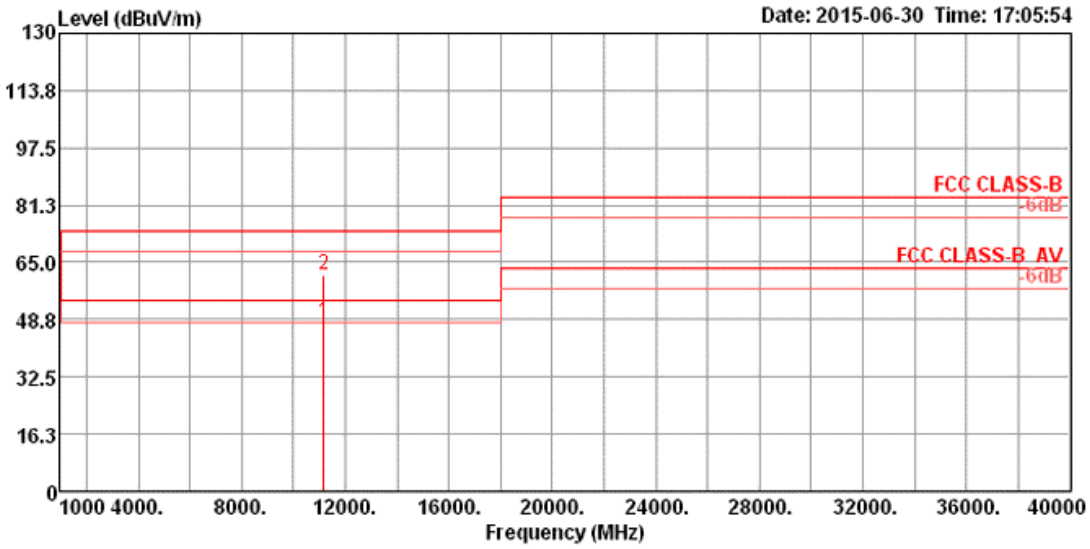
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11158.29	62.92	74.00	-11.08	47.13	10.60	38.57	33.38	Peak	167	271	HORIZONTAL
2	11159.52	49.15	54.00	-4.85	33.36	10.60	38.57	33.38	Average	167	271	HORIZONTAL

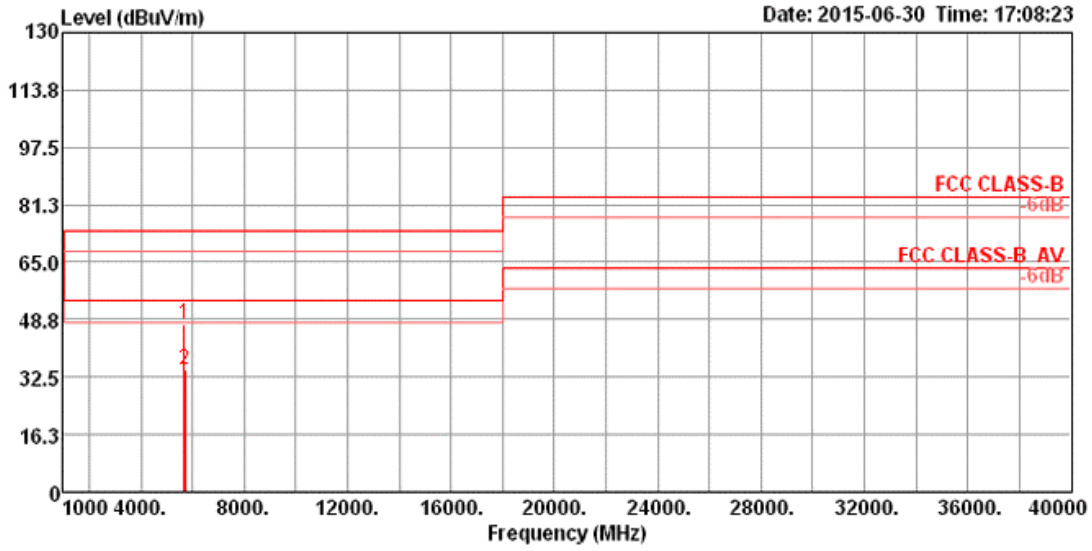
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11160.06	47.85	54.00	-6.15	32.06	10.60	38.57	33.38	Average	169	340	VERTICAL
2	11162.45	61.62	74.00	-12.38	45.82	10.61	38.57	33.38	Peak	169	340	VERTICAL

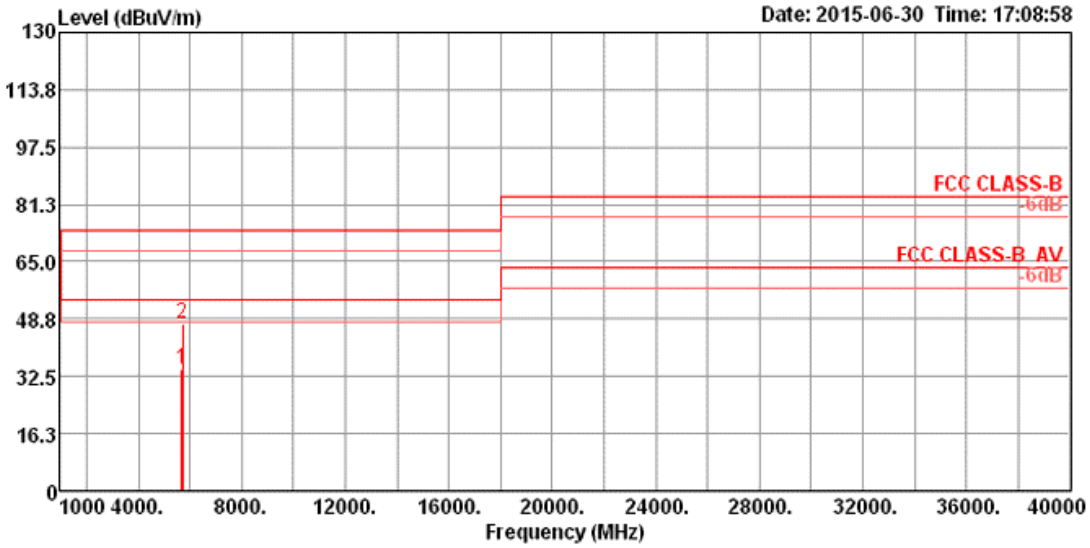
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5698.51	47.46	74.00	-26.54	39.36	6.81	34.41	33.12	Peak	211	312	HORIZONTAL
2	5701.57	34.50	54.00	-19.50	26.39	6.81	34.42	33.12	Average	211	312	HORIZONTAL

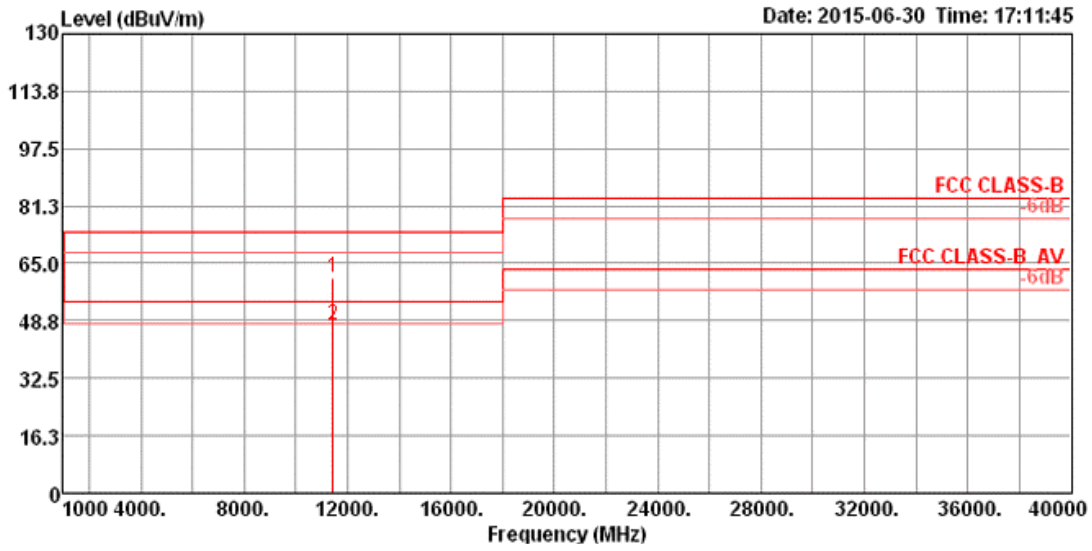
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	5698.29	34.45	54.00	-19.55	26.35	6.81	34.41	33.12	Average	175	203	VERTICAL
2	5700.74	47.66	74.00	-26.34	39.55	6.81	34.42	33.12	Peak	175	203	VERTICAL

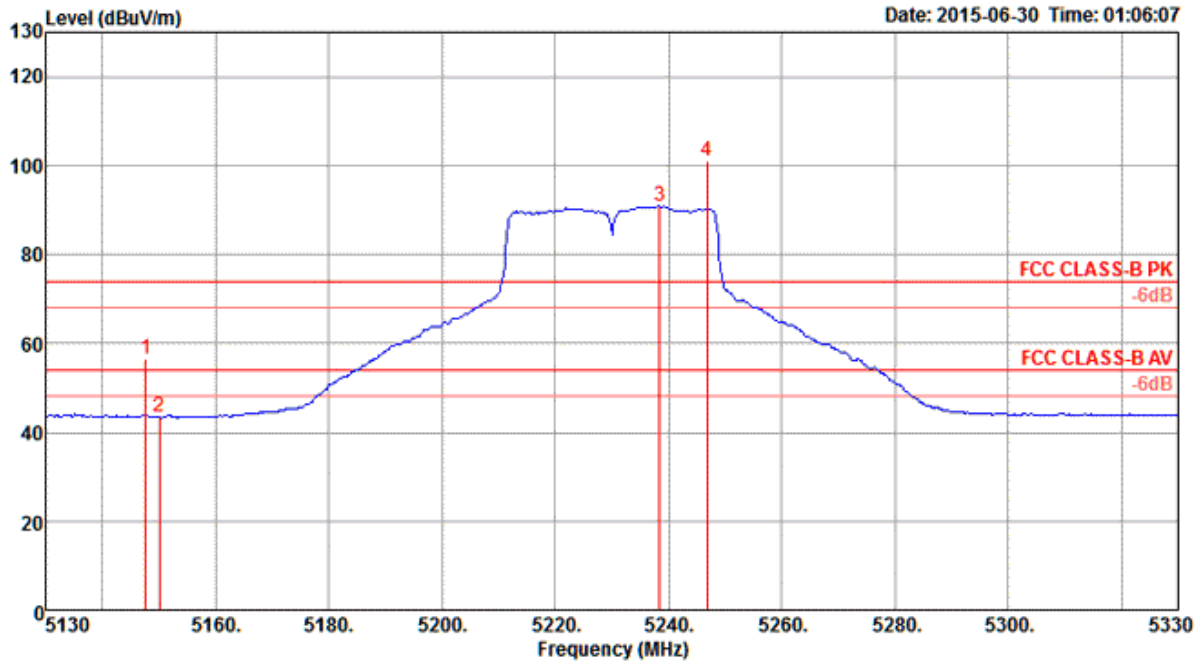
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11438.30	61.05	74.00	-12.95	44.90	10.69	38.83	33.37	Peak	156	320	HORIZONTAL
2	11440.05	47.50	54.00	-6.50	31.35	10.69	38.83	33.37	Average	156	320	HORIZONTAL

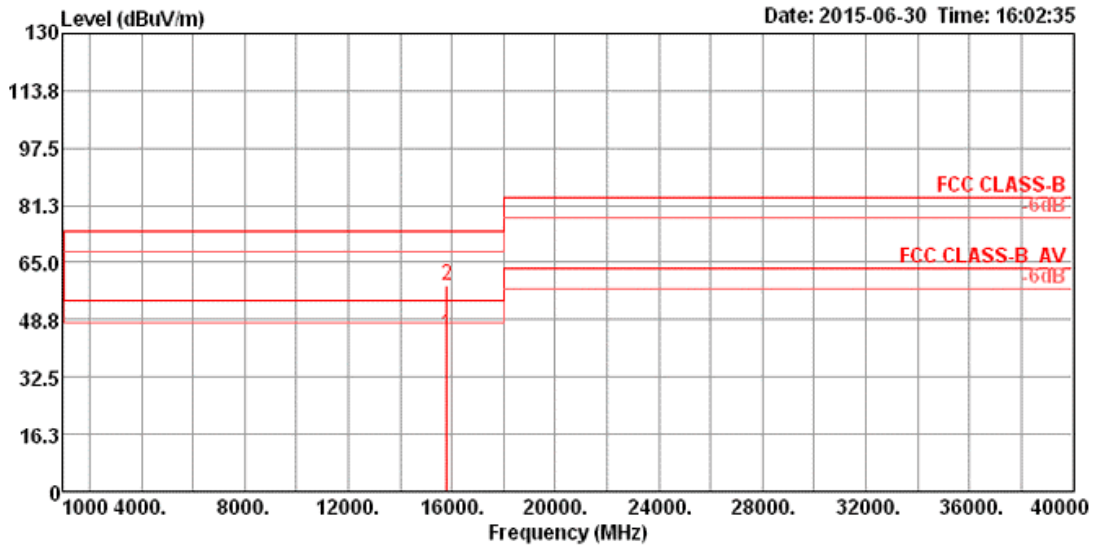
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	5147.60	56.62	74.00	-17.38	53.56	4.26	33.27	34.47	230	217	Peak	HORIZONTAL
2	5150.00	43.45	54.00	-10.55	40.39	4.26	33.27	34.47	230	217	Average	HORIZONTAL
3	5238.40	90.75	54.00	36.75	87.50	4.30	33.42	34.47	230	217	Average	HORIZONTAL
4	5246.80	101.02	74.00	27.02	97.74	4.30	33.45	34.47	230	217	Peak	HORIZONTAL

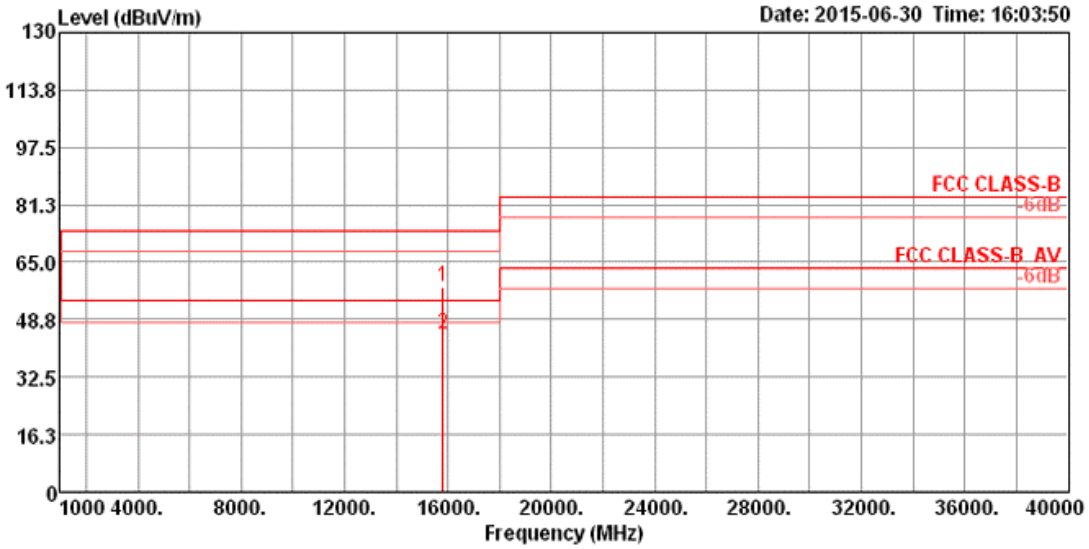
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15805.02	44.66	54.00	-9.34	28.37	12.57	37.70	33.98	Average	130	221	HORIZONTAL
2	15809.97	58.33	74.00	-15.67	42.04	12.57	37.70	33.98	Peak	130	221	HORIZONTAL

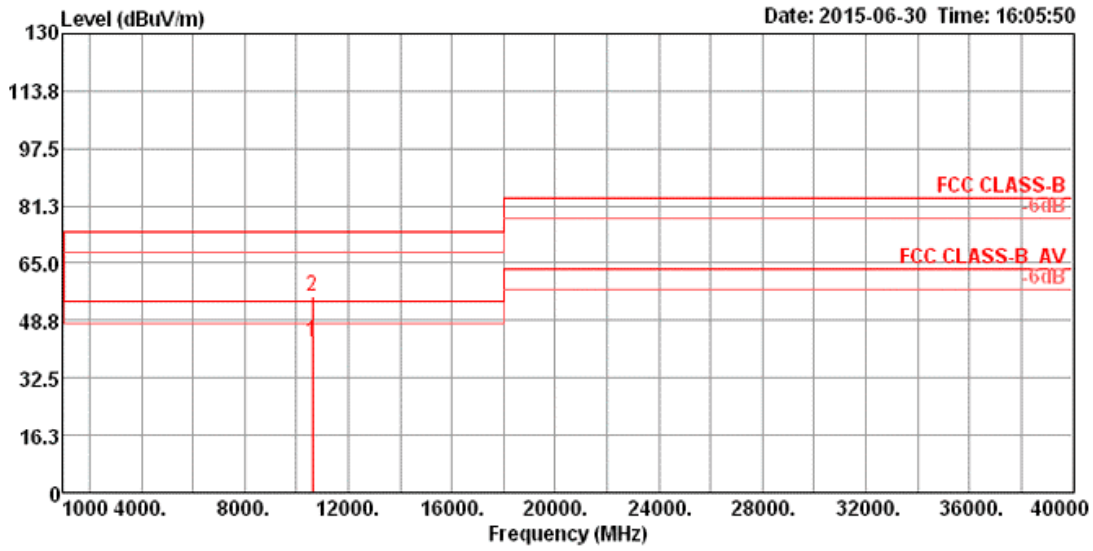
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15805.51	58.13	74.00	-15.87	41.84	12.57	37.70	33.98	Peak	218	198	VERTICAL
2	15808.38	44.60	54.00	-9.40	28.31	12.57	37.70	33.98	Average	218	198	VERTICAL

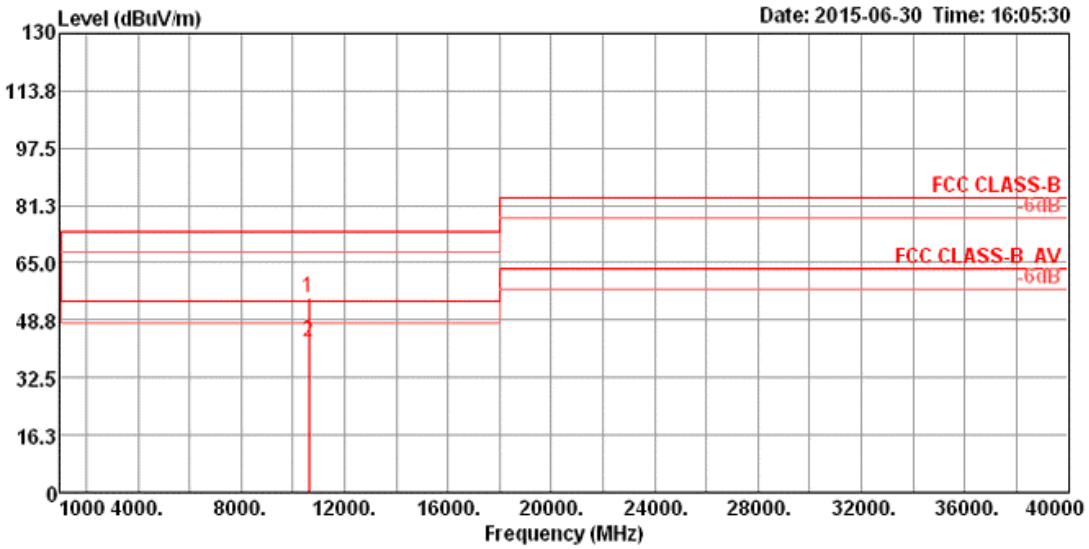
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10621.70	42.74	54.00	-11.26	27.77	10.19	38.40	33.62	Average	187	220	HORIZONTAL
2	10624.66	55.50	74.00	-18.50	40.53	10.19	38.40	33.62	Peak	187	220	HORIZONTAL

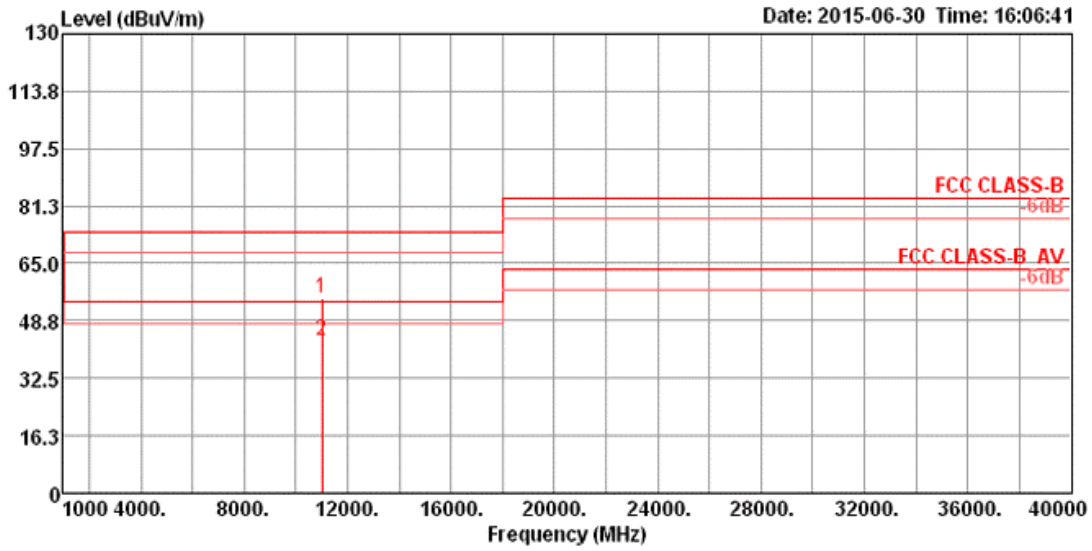
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	10616.44	55.33	74.00	-18.67	40.36	10.19	38.40	33.62	Peak	204	261	VERTICAL
2	10622.76	42.66	54.00	-11.34	27.69	10.19	38.40	33.62	Average	204	261	VERTICAL

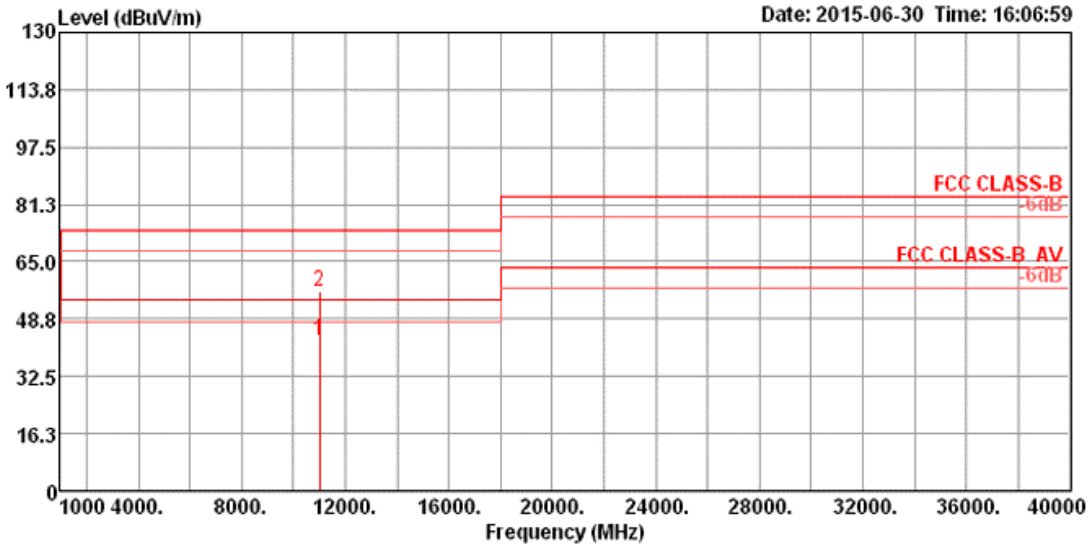
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11015.18	55.35	74.00	-18.65	39.75	10.56	38.42	33.38	Peak	173	189	HORIZONTAL
2	11018.59	43.14	54.00	-10.86	27.54	10.56	38.42	33.38	Average	173	189	HORIZONTAL

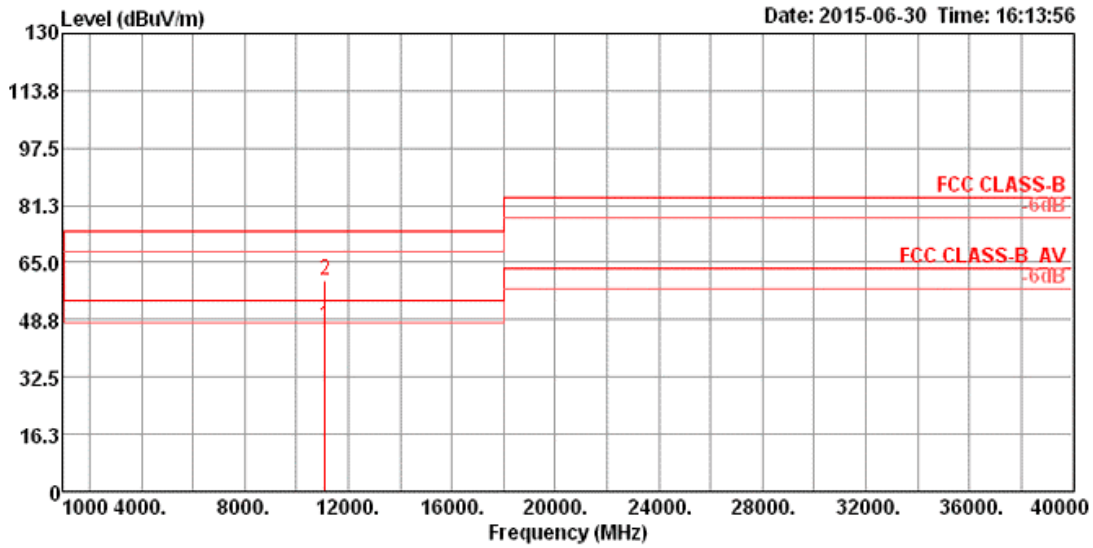
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11016.62	42.77	54.00	-11.23	27.17	10.56	38.42	33.38	Average	147	202	VERTICAL
2	11016.97	56.49	74.00	-17.51	40.89	10.56	38.42	33.38	Peak	147	202	VERTICAL

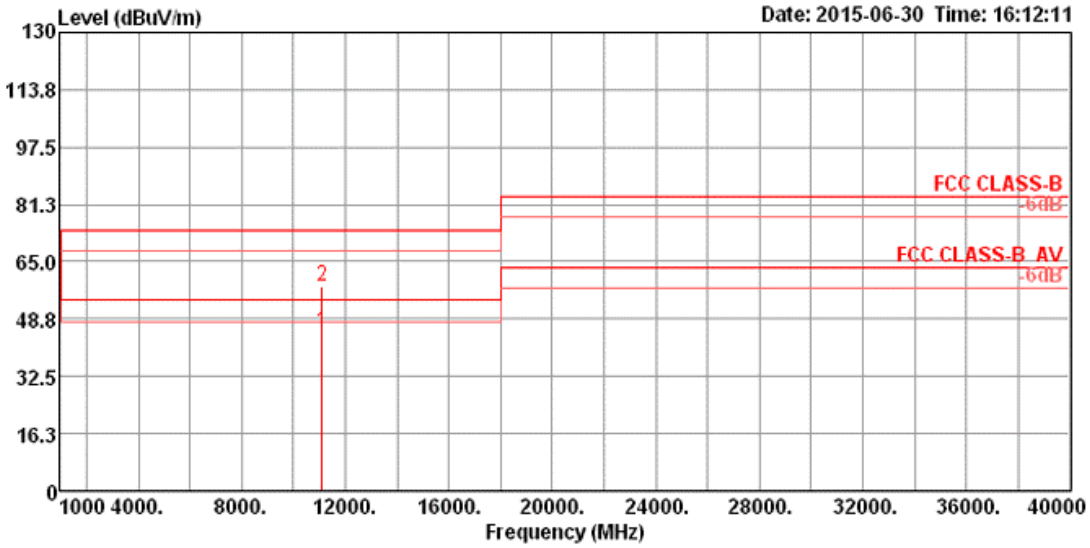
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11100.06	47.20	54.00	-6.80	31.50	10.58	38.50	33.38	Average	156	323	HORIZONTAL
2	11104.17	60.07	74.00	-13.93	44.37	10.58	38.50	33.38	Peak	156	323	HORIZONTAL

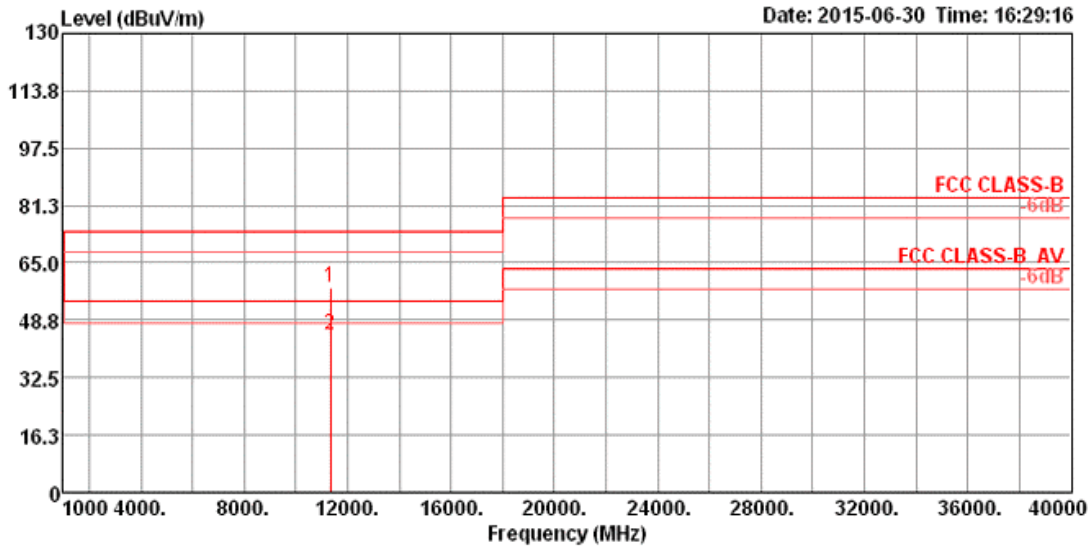
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11100.00	45.23	54.00	-8.77	29.53	10.58	38.50	33.38	Average	142	40	VERTICAL
2	11102.74	57.85	74.00	-16.15	42.15	10.58	38.50	33.38	Peak	142	40	VERTICAL

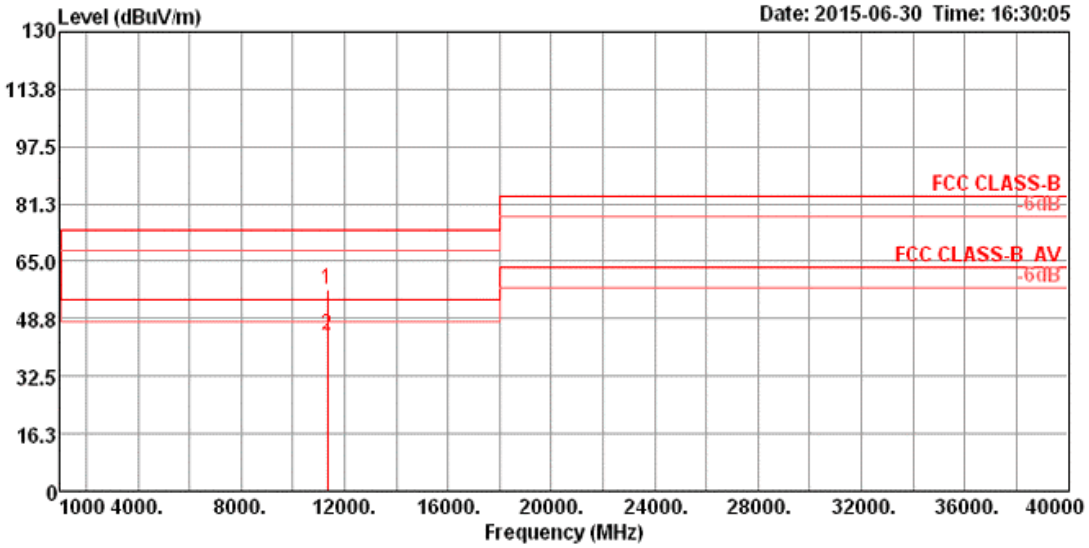
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11339.09	58.04	74.00	-15.96	42.02	10.66	38.73	33.37	Peak	159	319	HORIZONTAL
2	11340.27	44.58	54.00	-9.42	28.55	10.67	38.73	33.37	Average	159	319	HORIZONTAL

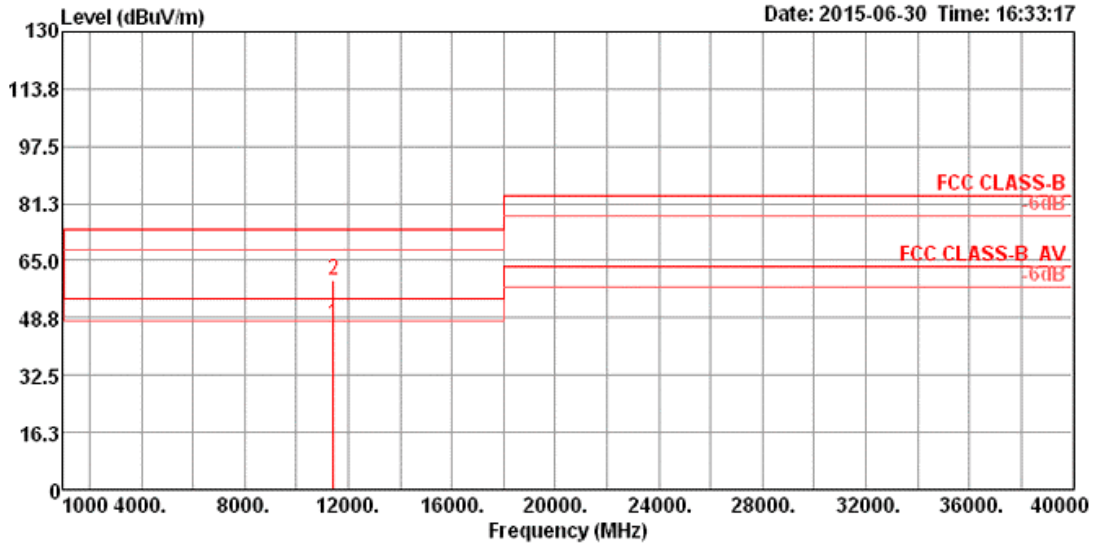
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11340.56	56.90	74.00	-17.10	40.87	10.67	38.73	33.37	Peak	209	20	VERTICAL
2	11343.57	43.92	54.00	-10.08	27.89	10.67	38.73	33.37	Average	209	20	VERTICAL

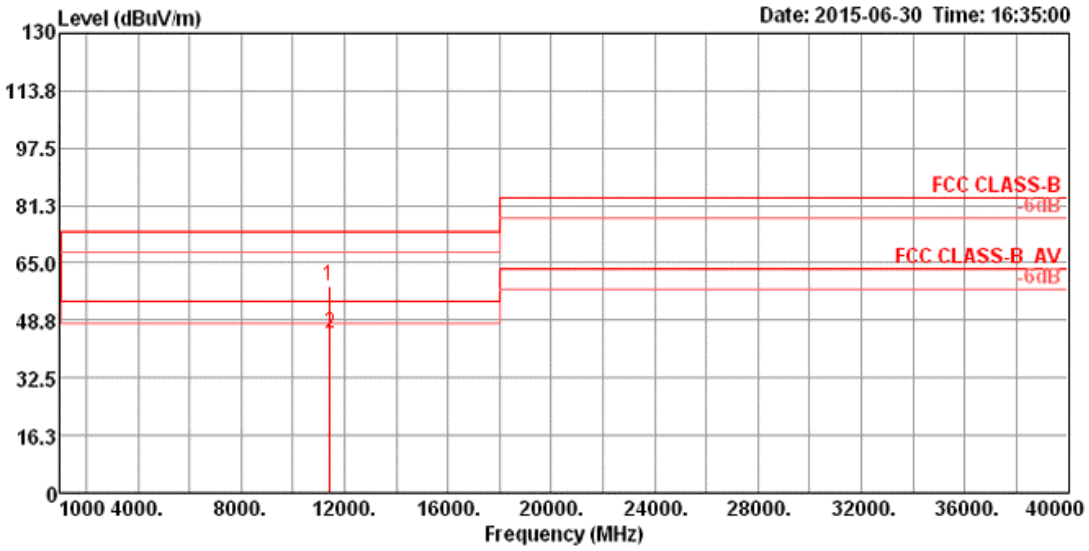
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11420.40	46.95	54.00	-7.05	30.81	10.69	38.82	33.37	Average	157	323	HORIZONTAL
2	11427.37	59.64	74.00	-14.36	43.50	10.69	38.82	33.37	Peak	157	323	HORIZONTAL

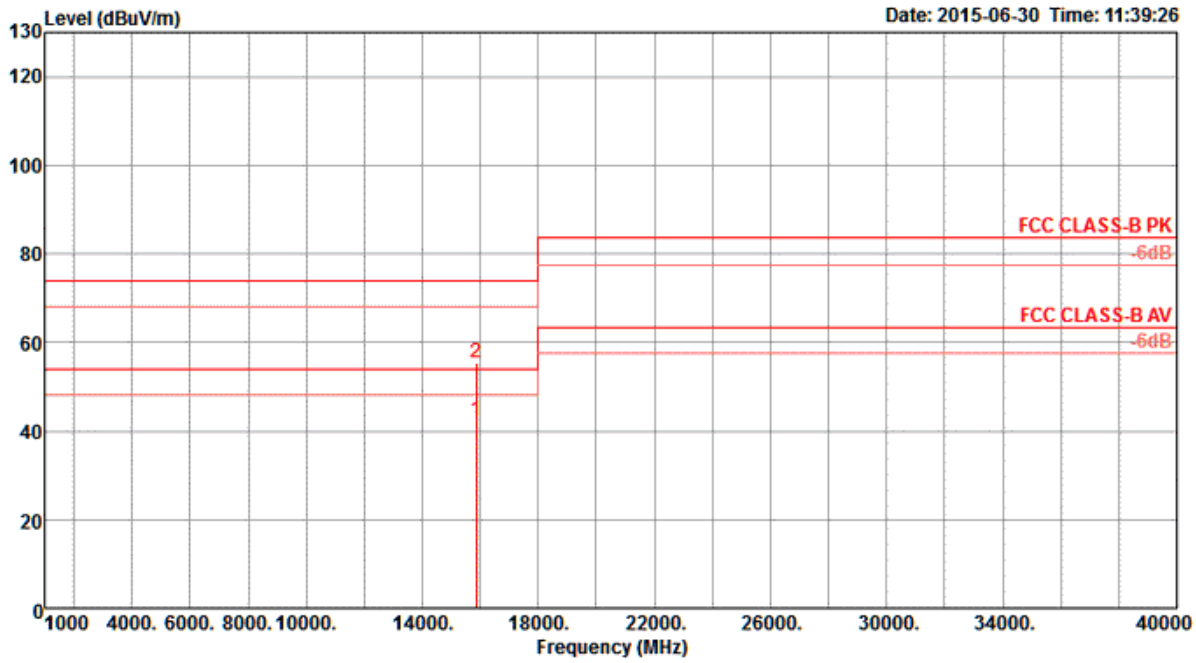
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11399.41	58.40	74.00	-15.60	42.28	10.69	38.80	33.37	Peak	203	189	VERTICAL
2	11420.16	45.09	54.00	-8.91	28.95	10.69	38.82	33.37	Average	203	189	VERTICAL

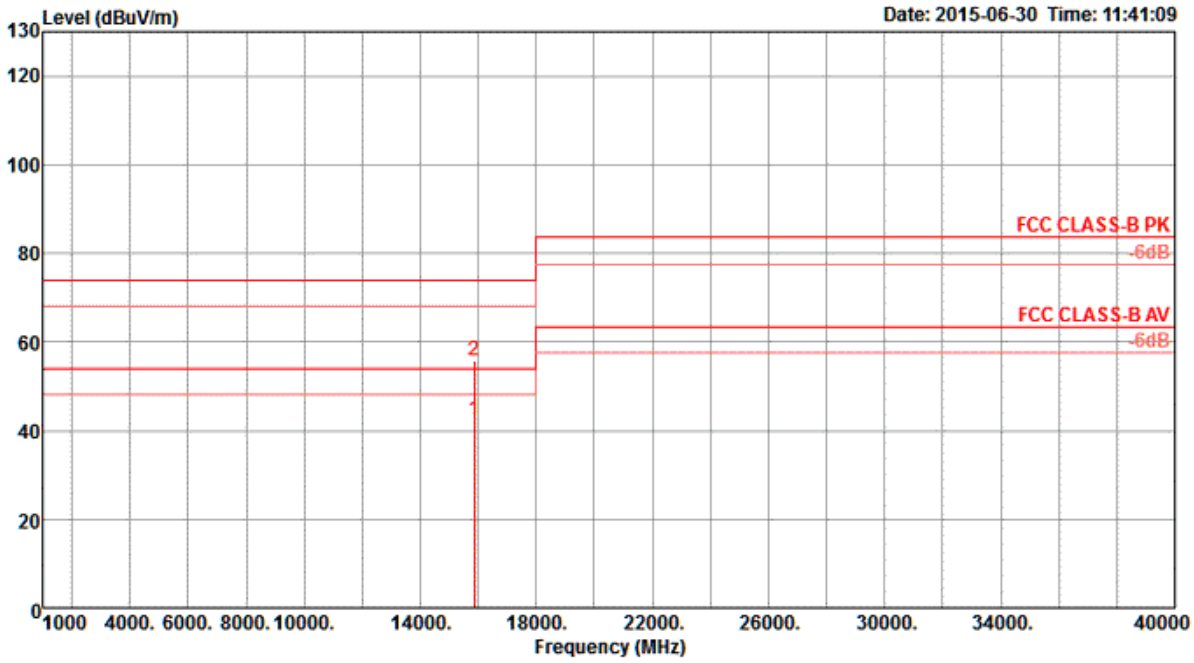
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15873.22	42.33	54.00	-11.67	30.79	7.67	38.78	34.91	244	145	Average	HORIZONTAL
2	15873.62	55.56	74.00	-18.44	44.02	7.67	38.78	34.91	244	145	Peak	HORIZONTAL

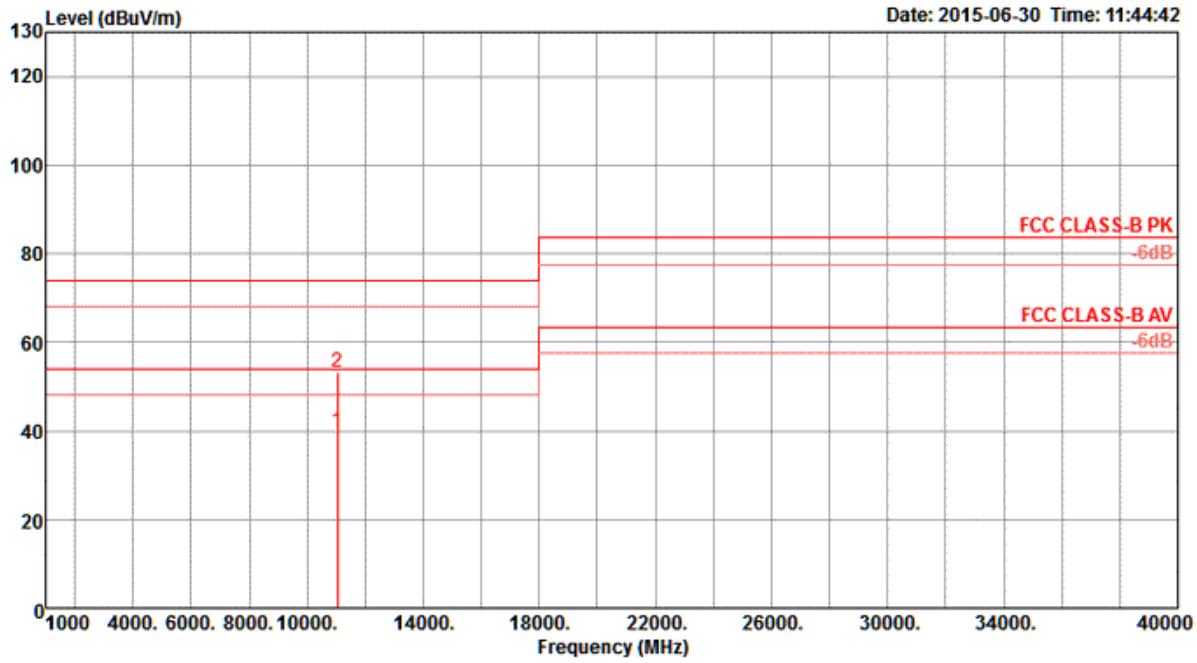
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15871.17	42.23	54.00	-11.77	30.69	7.67	38.78	34.91	130	159	Average	VERTICAL
2	15872.10	55.72	74.00	-18.28	44.18	7.67	38.78	34.91	243	159	Peak	VERTICAL

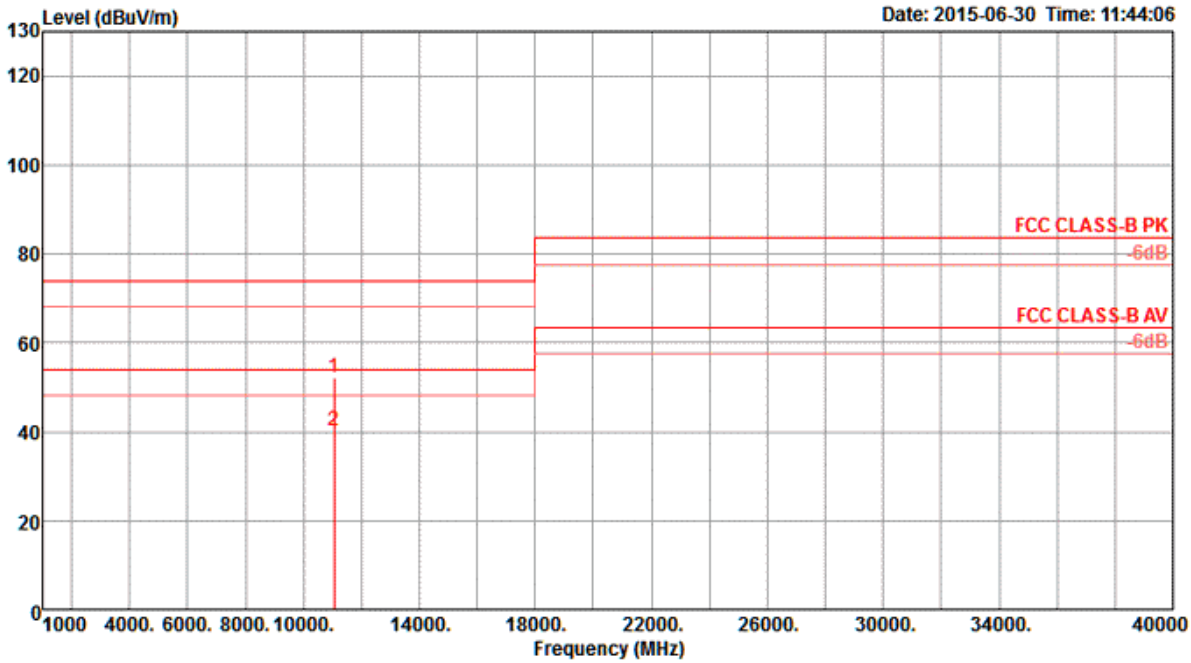
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11056.38	39.99	54.00	-14.01	29.53	6.42	38.70	34.66	103	157	Average	HORIZONTAL
2	11057.80	53.35	74.00	-20.65	42.89	6.42	38.70	34.66	182	157	Peak	HORIZONTAL

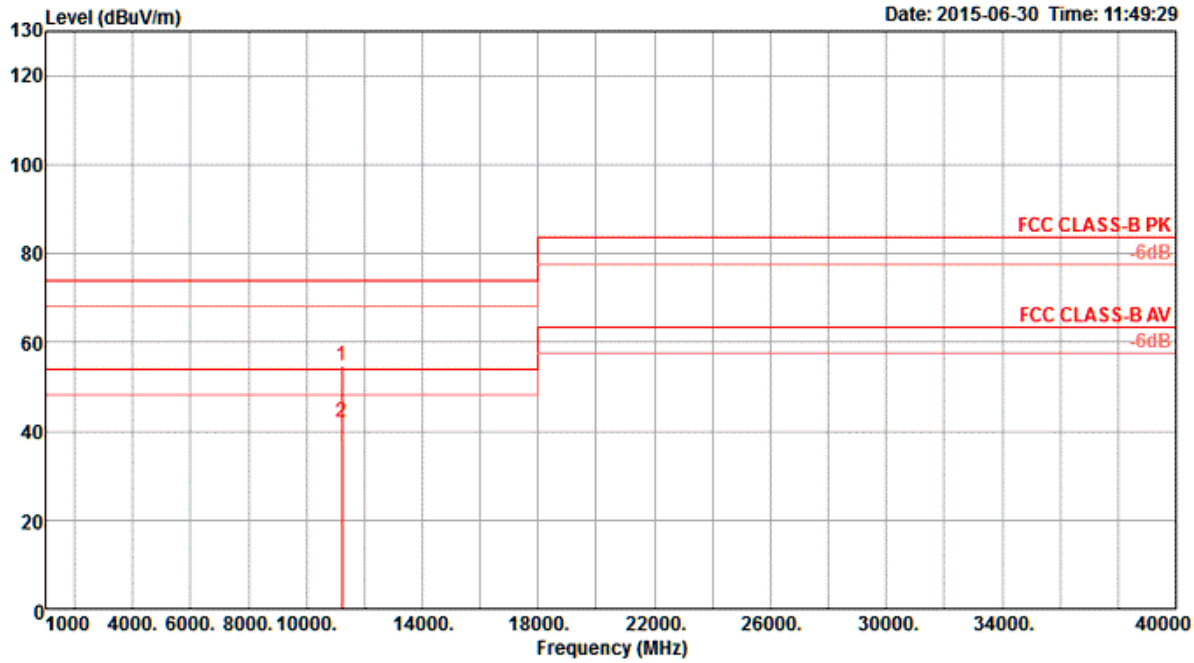
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11062.60	52.25	74.00	-21.75	41.78	6.42	38.70	34.65	198	185	Peak	VERTICAL
2	11063.75	40.17	54.00	-13.83	29.70	6.42	38.70	34.65	193	185	Average	VERTICAL

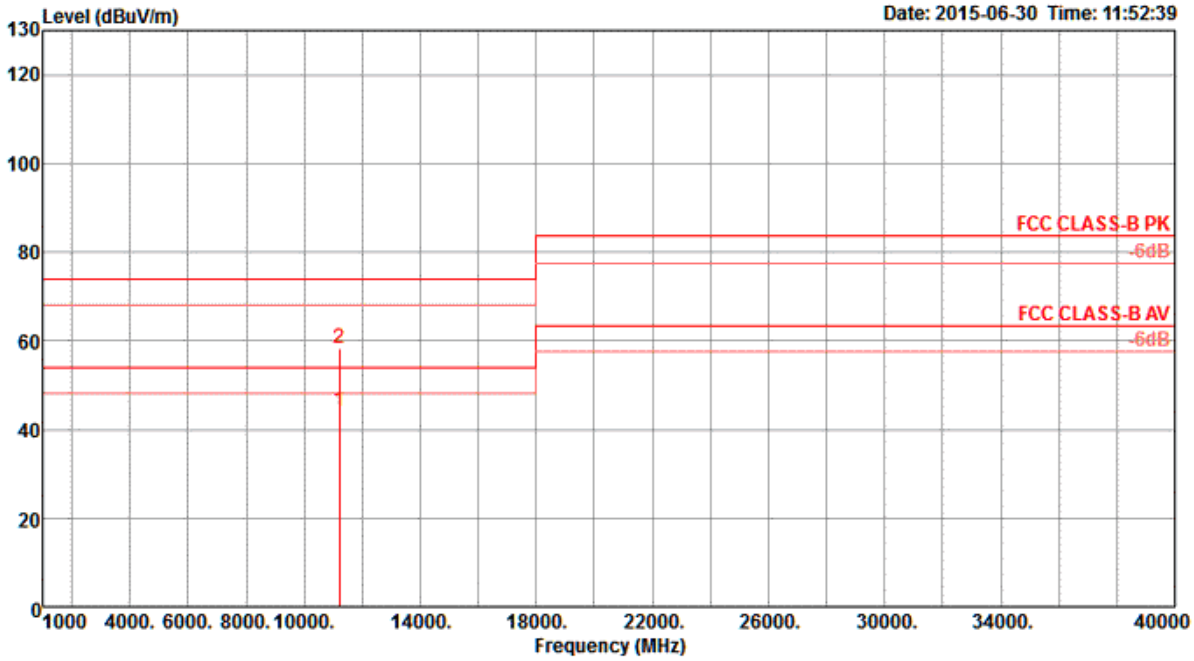
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11220.32	54.72	74.00	-19.28	44.20	6.46	38.70	34.64	188	100	Peak	HORIZONTAL
2	11220.45	42.00	54.00	-12.00	31.48	6.46	38.70	34.64	188	100	Average	HORIZONTAL

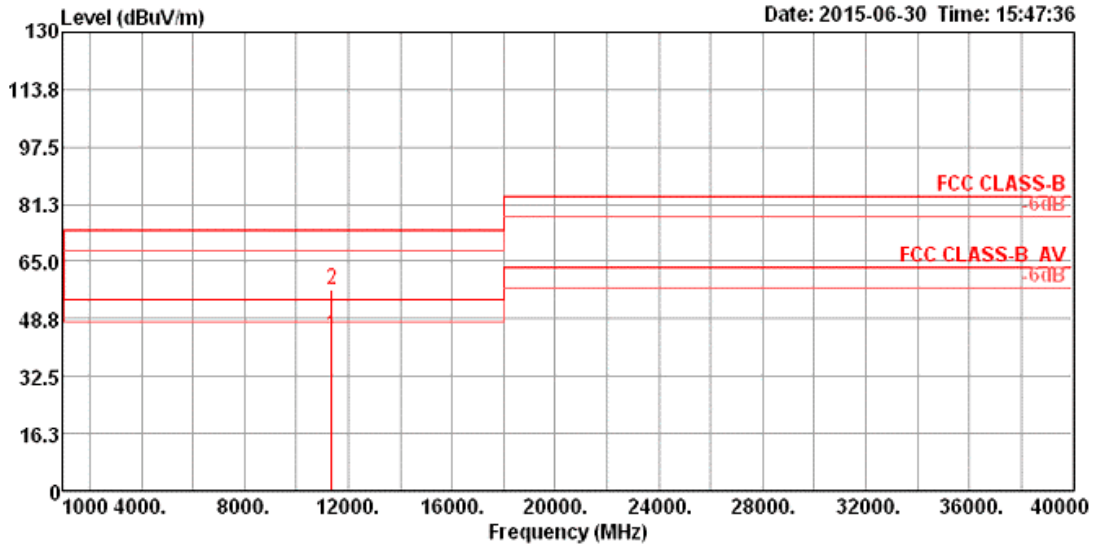
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11219.79	44.10	54.00	-9.90	33.58	6.46	38.70	34.64	59	213	Average	VERTICAL
2	11219.90	58.29	74.00	-15.71	47.77	6.46	38.70	34.64	59	213	Peak	VERTICAL

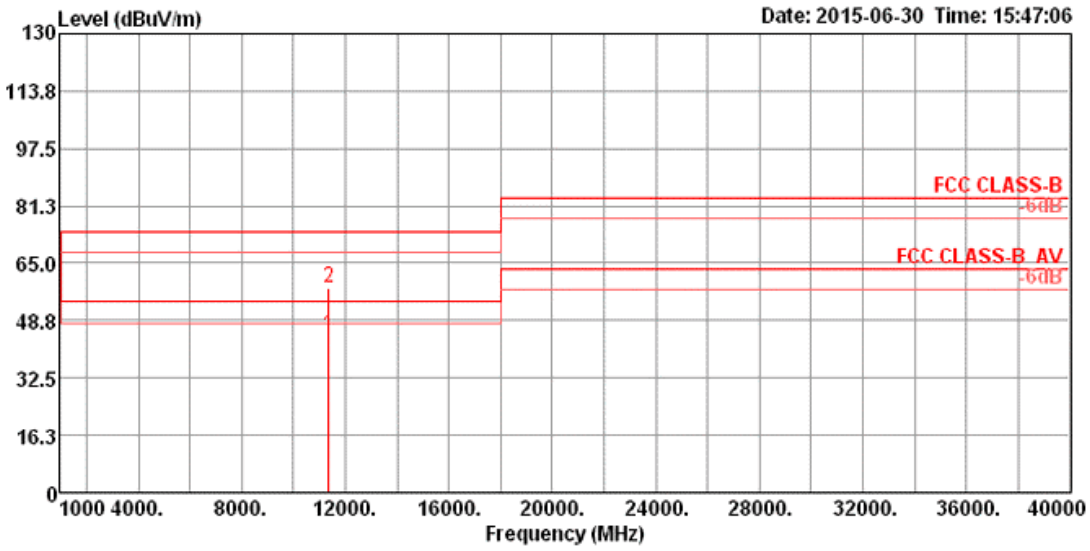
Temperature	22℃	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11379.86	44.28	54.00	-9.72	28.19	10.68	38.78	33.37	Average	157	173	HORIZONTAL
2	11380.48	57.27	74.00	-16.73	41.18	10.68	38.78	33.37	Peak	157	173	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11380.06	44.50	54.00	-9.50	28.41	10.68	38.78	33.37	Average	210	64	VERTICAL
2	11381.23	58.12	74.00	-15.88	42.03	10.68	38.78	33.37	Peak	210	64	VERTICAL

Note:

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

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

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