

4.6. Radiated Emissions Measurement

4.6.1. Limit

For transmitters operating in the 5.15-5.25 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 5.725-5.85 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions 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)	1 MHz / 3MHz for Peak, 1 MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1 MHz / 3MHz for peak

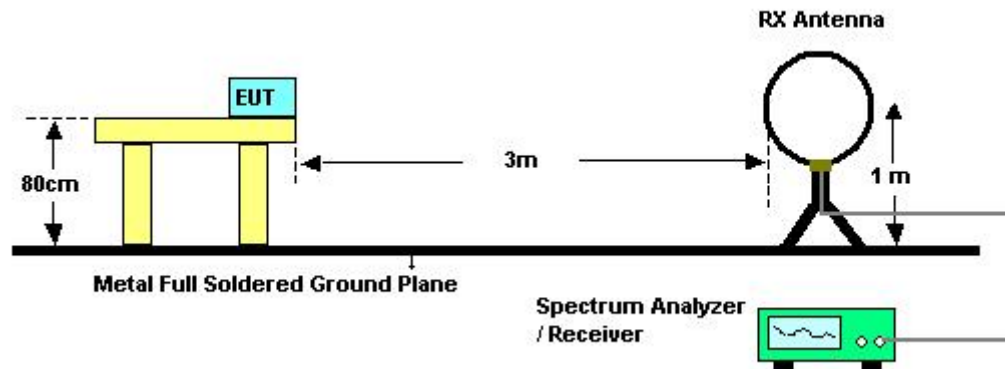
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

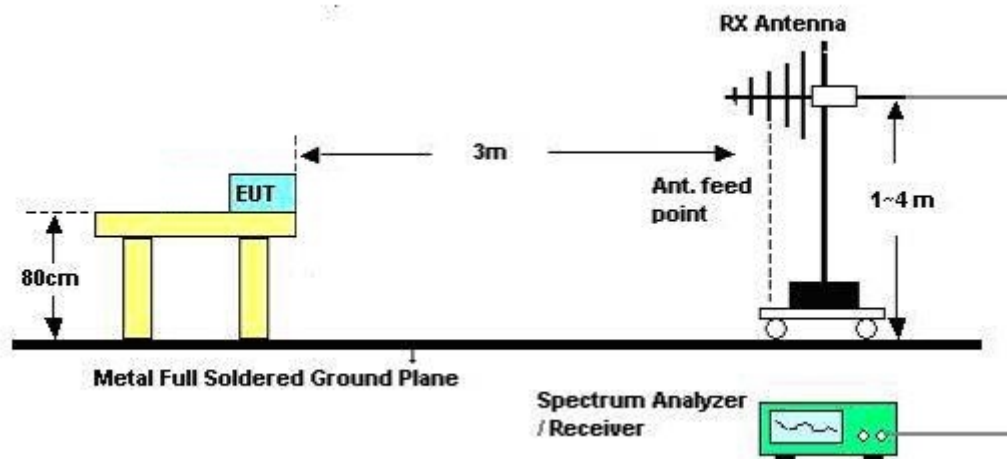
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
2. Power on the EUT and all the supporting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

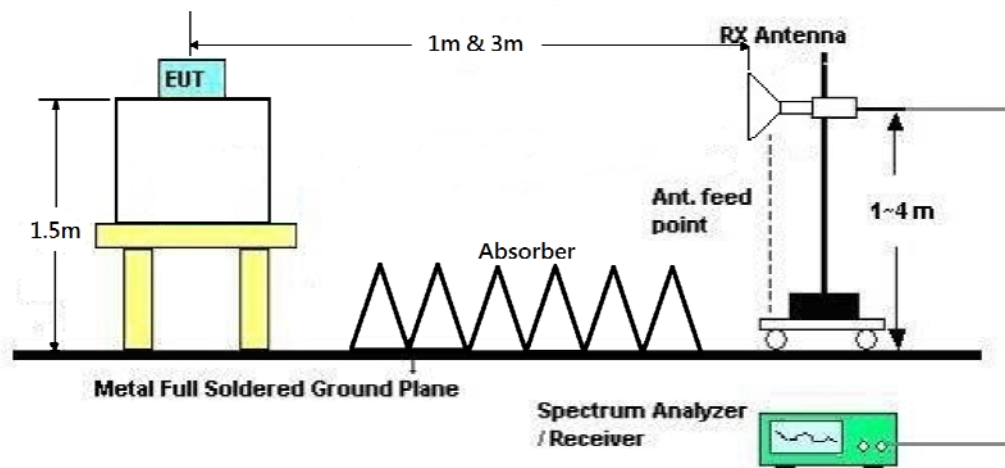
For Radiated Emissions: 9kHz ~30MHz



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°C	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.

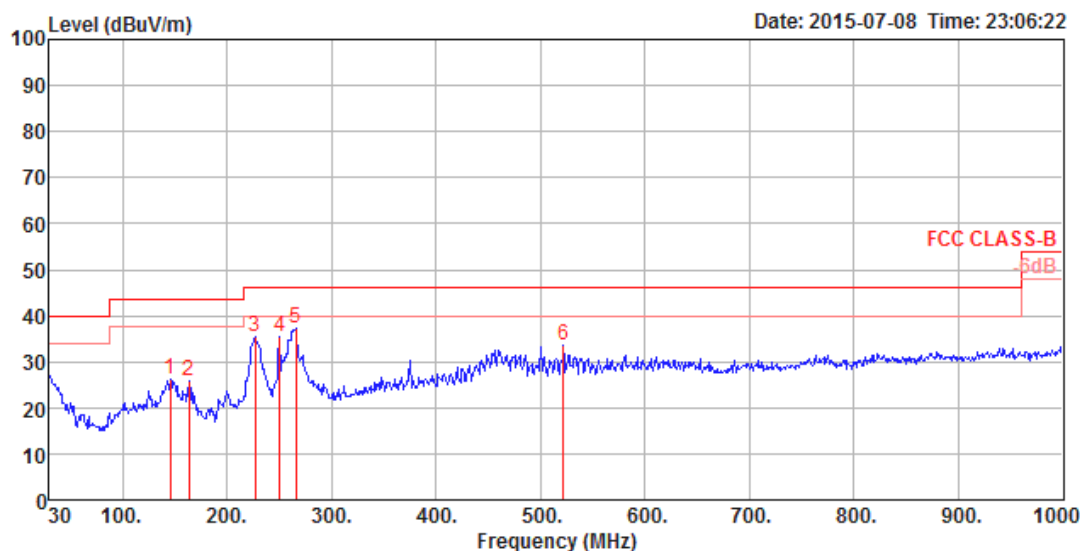
Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

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

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

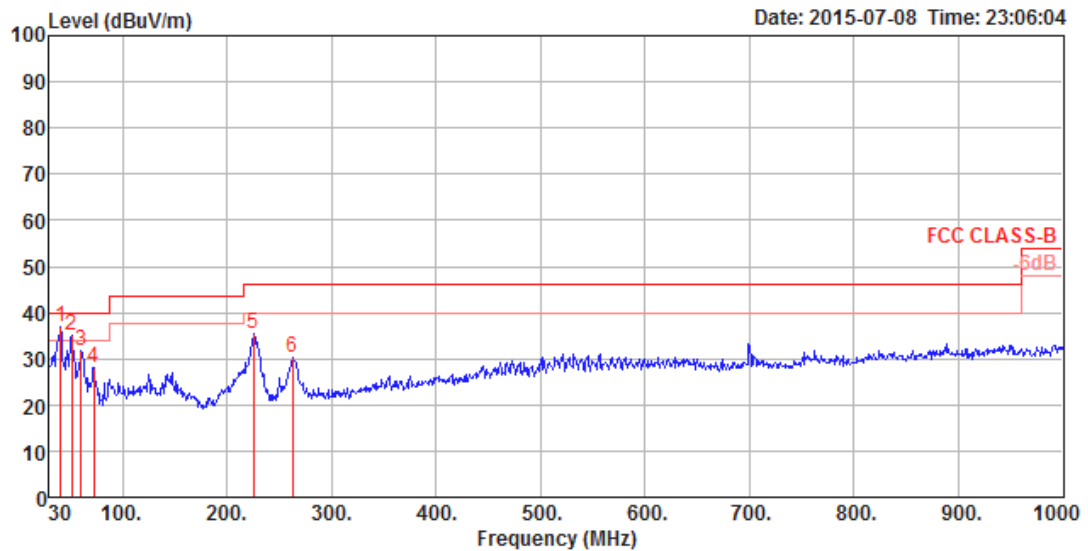
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	Normal Link / Mode 3

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	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	Over	Read	CableAntenna	Preamp	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).

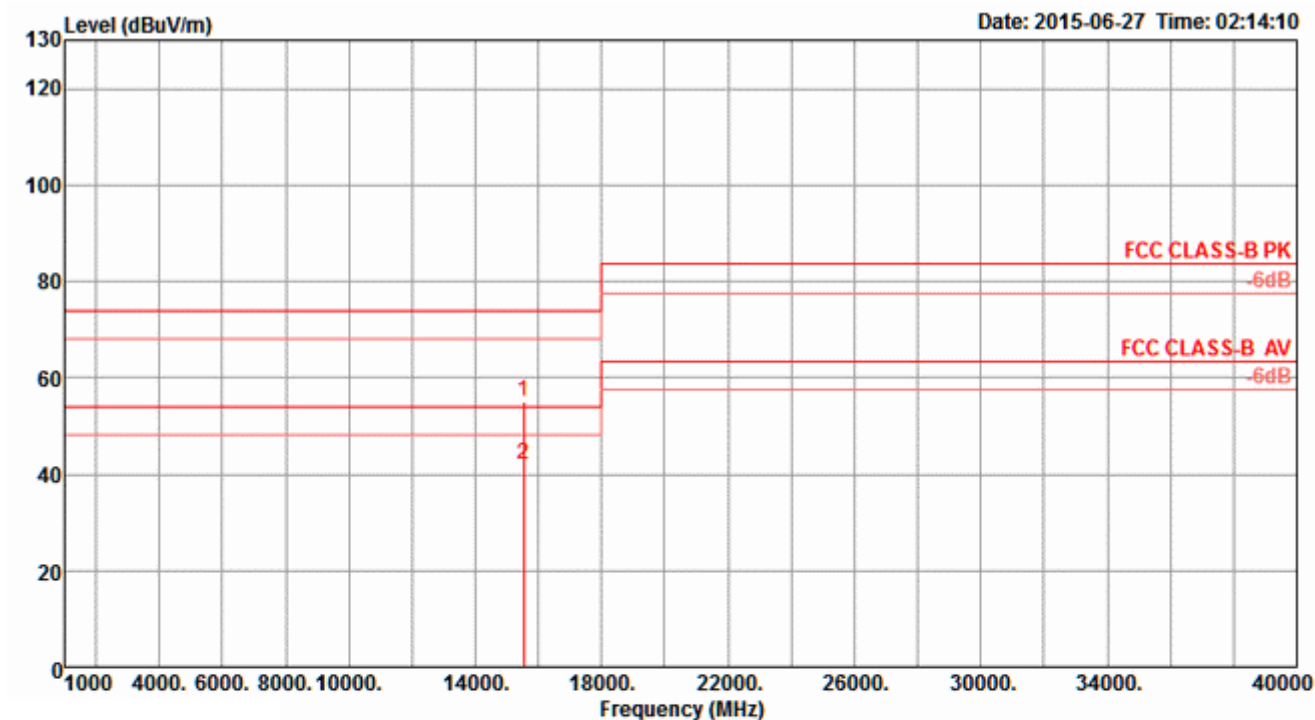
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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

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

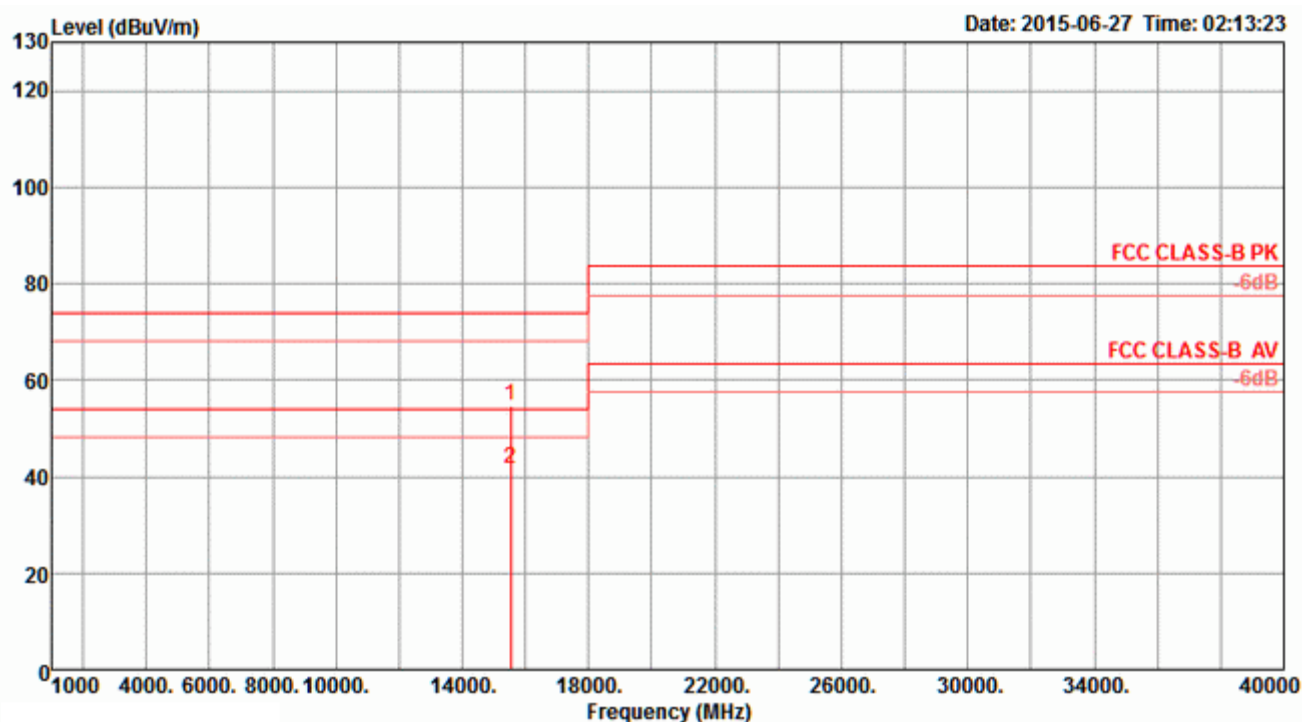
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15539.40	54.94	74.00	-19.06	43.84	7.56	38.16	34.62	26	150	Peak	HORIZONTAL
2	15540.50	41.98	54.00	-12.02	30.88	7.56	38.16	34.62	26	150	Average	HORIZONTAL

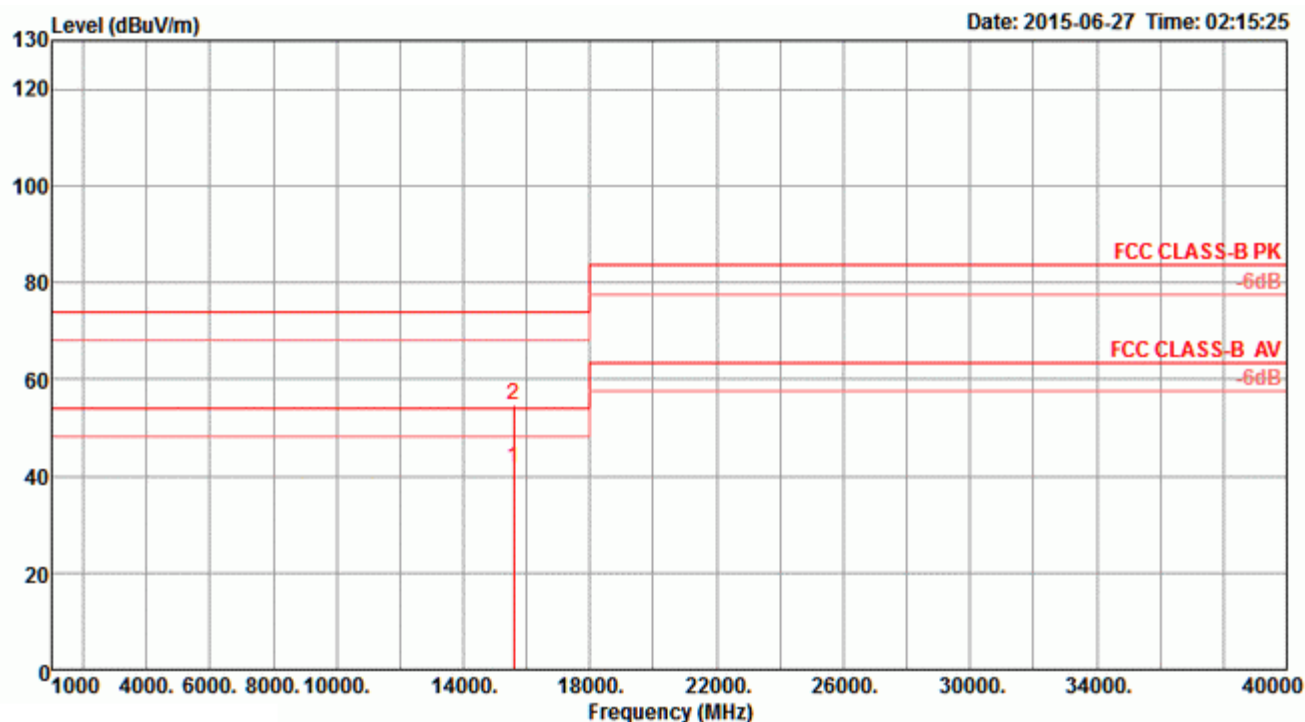
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	15539.00	54.83	74.00	-19.17	43.73	7.56	38.16	34.62	35	150 Peak	VERTICAL
2	15539.00	41.63	54.00	-12.37	30.53	7.56	38.16	34.62	35	150 Average	VERTICAL

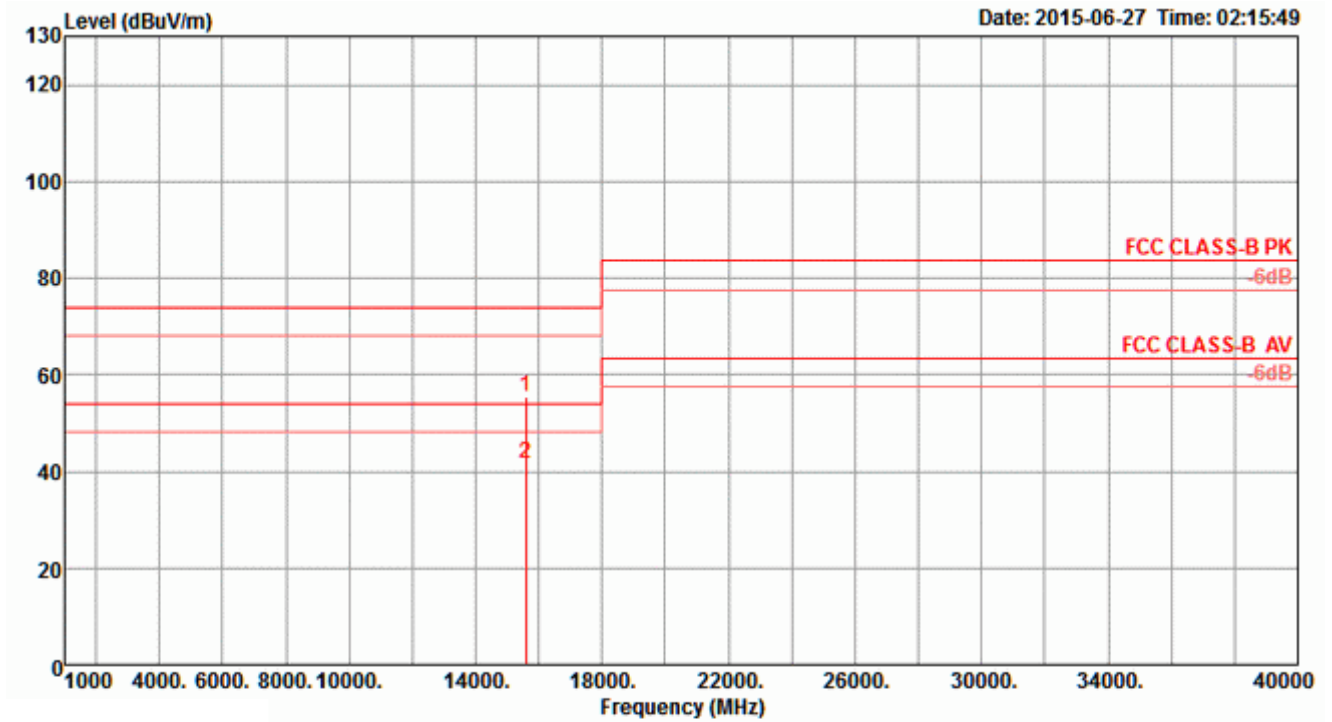
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15599.37	41.62	54.00	-12.38	30.44	7.58	38.29	34.69	45	150	Average
2	15599.48	54.86	74.00	-19.14	43.68	7.58	38.29	34.69	45	150	Peak

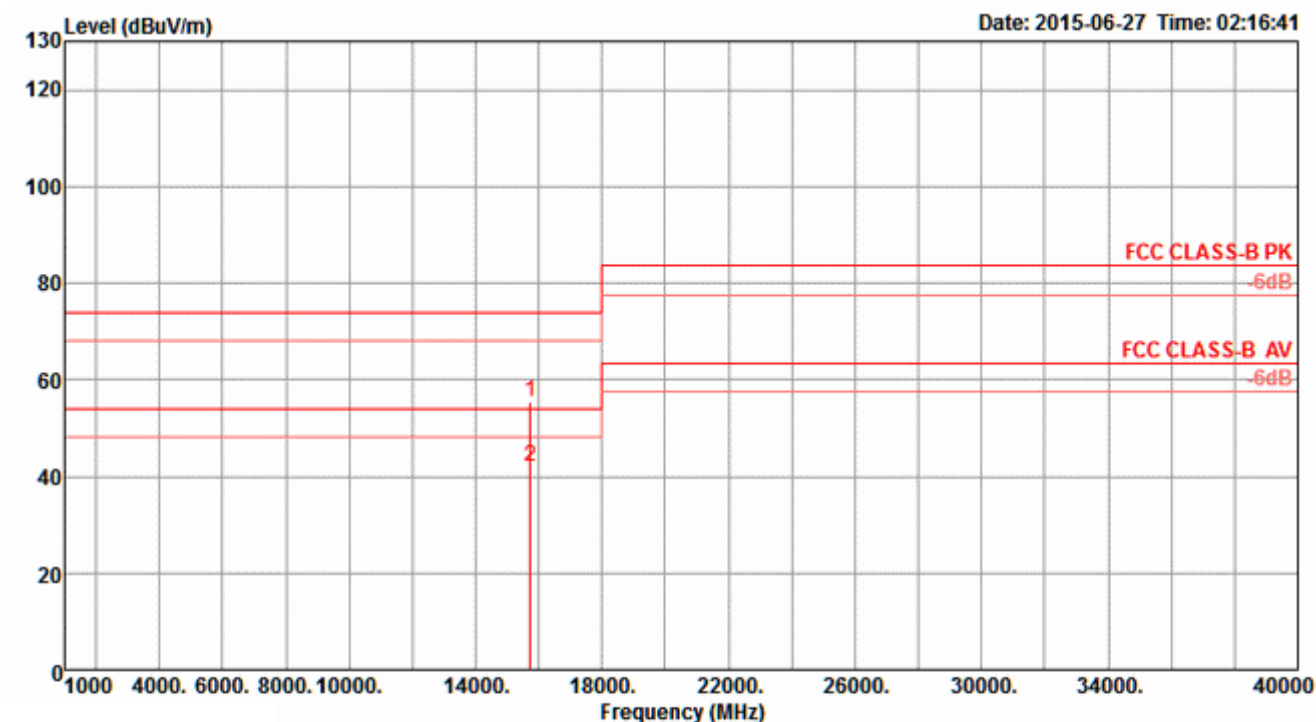
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	15599.40	55.32	74.00	-18.68	44.14	7.58	38.29	34.69	39	150 Peak	VERTICAL
2	15600.12	41.71	54.00	-12.29	30.53	7.58	38.29	34.69	39	150 Average	VERTICAL

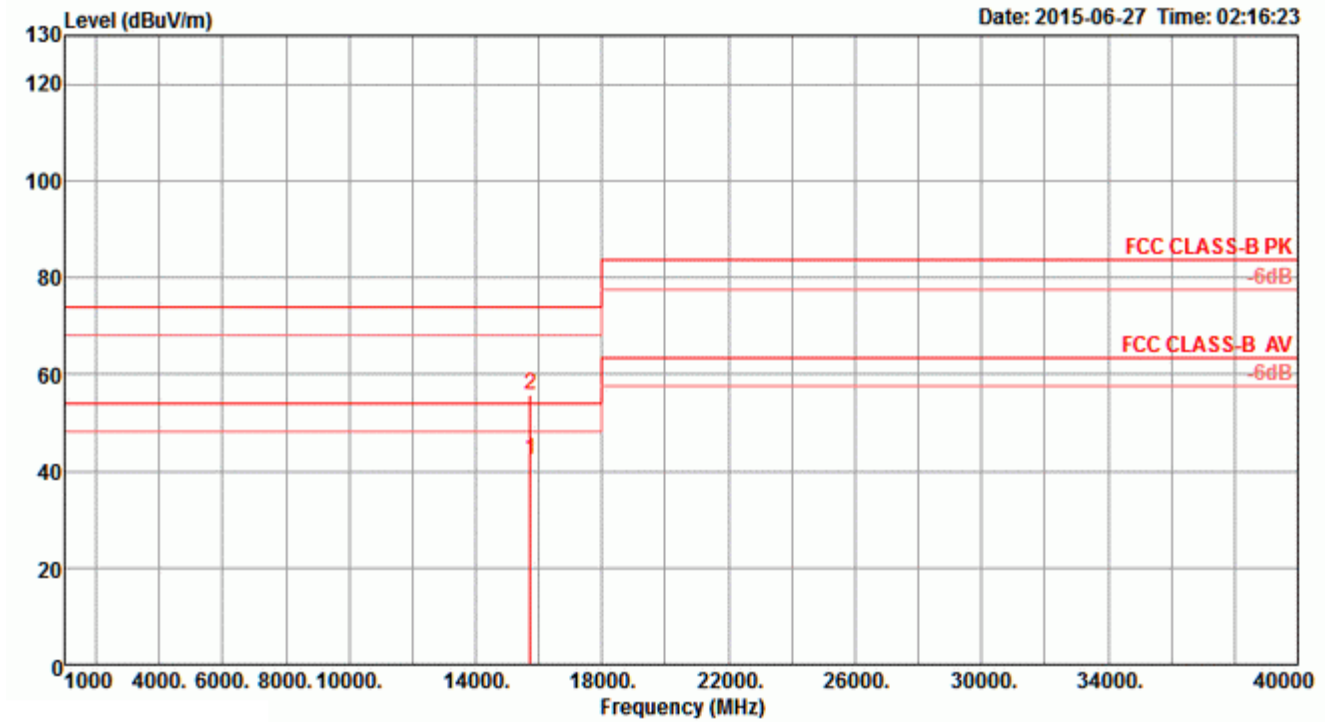
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15719.34	55.53	74.00	-18.47	44.19	7.62	38.50	34.78	69	150	Peak	HORIZONTAL
2	15720.64	42.12	54.00	-11.88	30.78	7.62	38.50	34.78	69	150	Average	HORIZONTAL

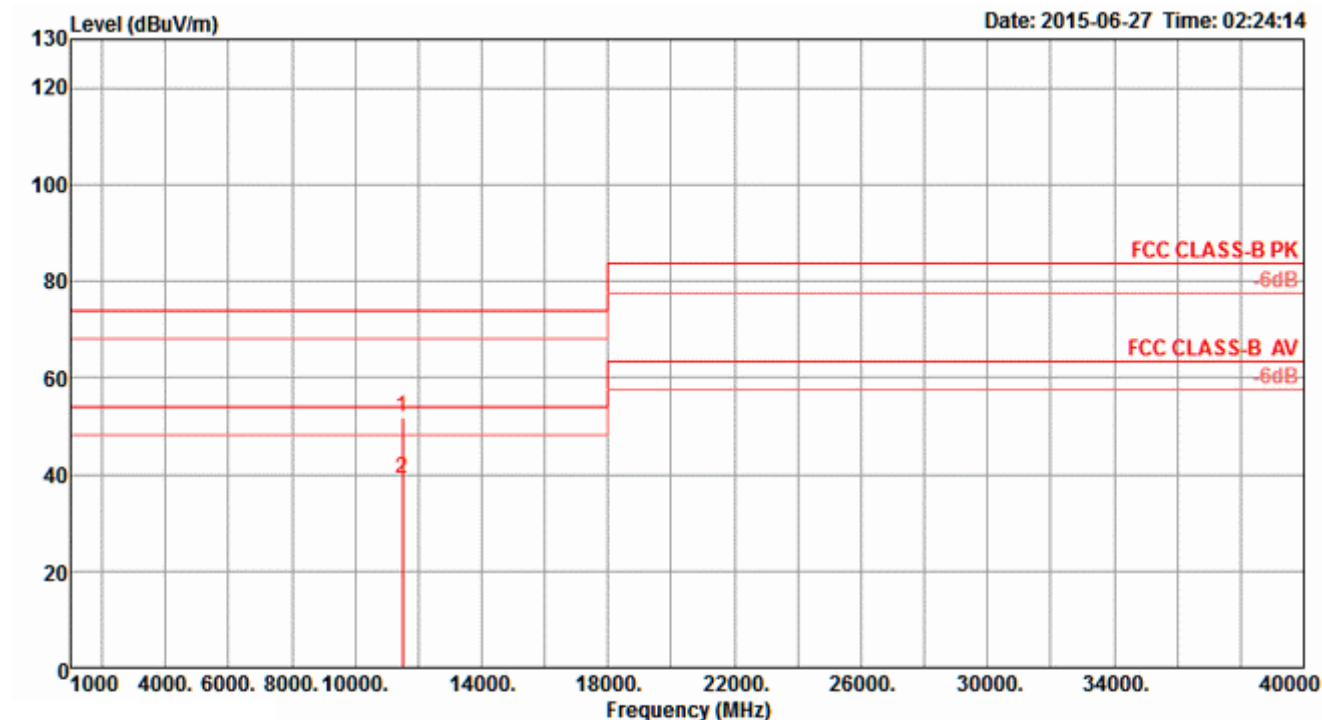
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15719.09	42.43	54.00	-11.57	31.09	7.62	38.50	34.78	63	150	Average
2	15720.22	55.77	74.00	-18.23	44.43	7.62	38.50	34.78	63	150	Peak

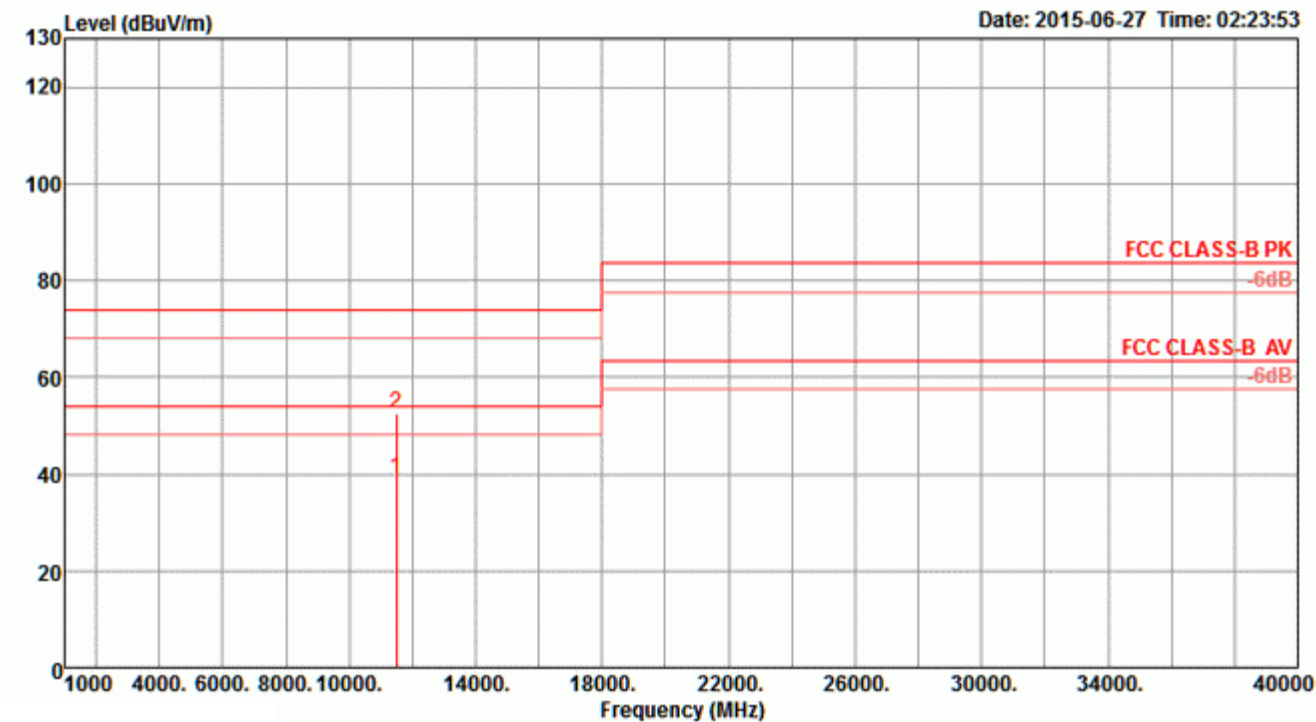
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11489.46	51.90	74.00	-22.10	41.29	6.53	38.70	34.62	232	150	Peak	HORIZONTAL
2	11490.01	39.04	54.00	-14.96	28.43	6.53	38.70	34.62	232	150	Average	HORIZONTAL

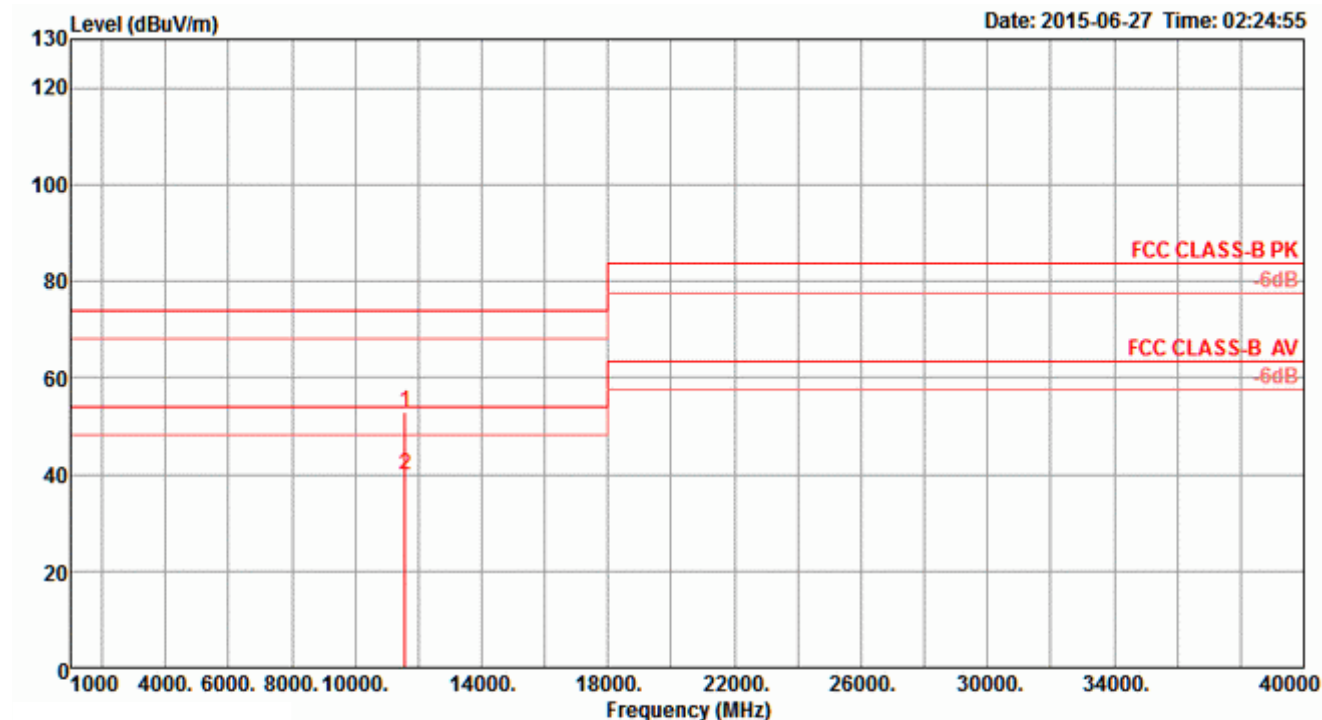
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	11489.25	39.08	54.00	-14.92	28.47	6.53	38.70	34.62	212	150 Average	VERTICAL
2	11490.21	52.36	74.00	-21.64	41.75	6.53	38.70	34.62	212	150 Peak	VERTICAL

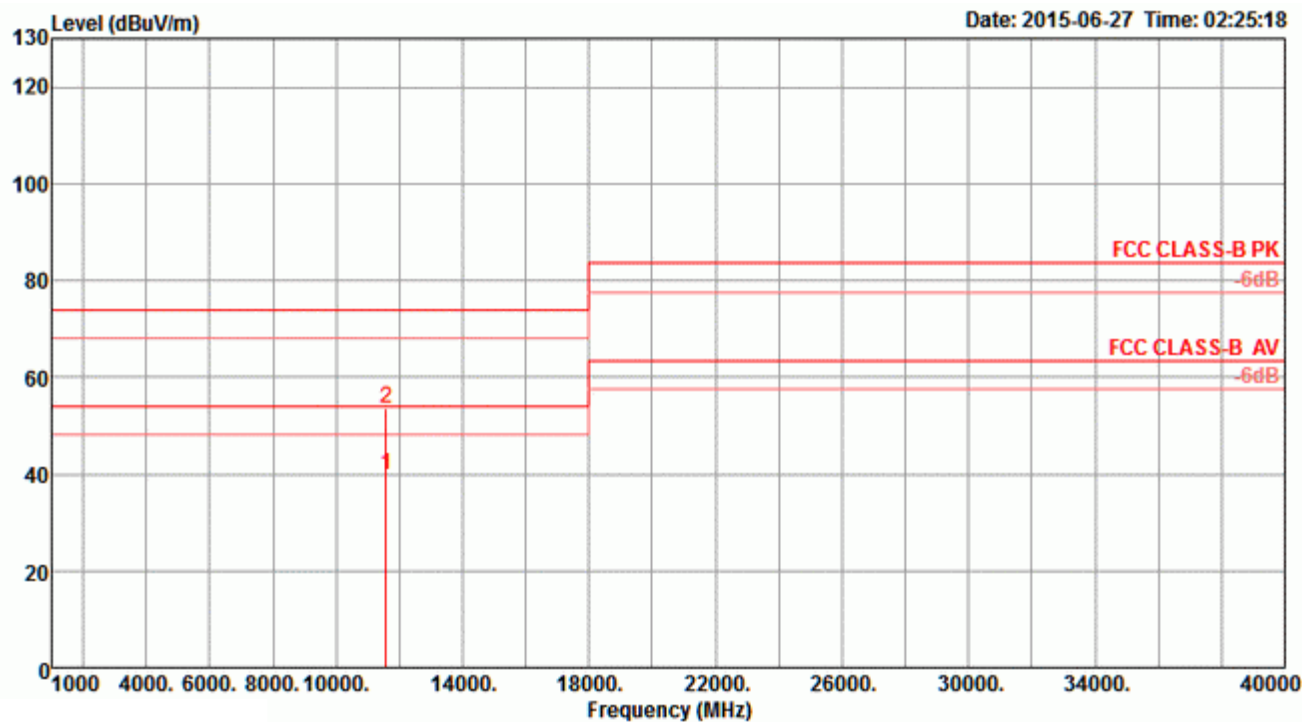
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11569.76	53.04	74.00	-20.96	42.43	6.55	38.71	34.65	242	150	Peak	HORIZONTAL
2	11570.32	39.99	54.00	-14.01	29.38	6.55	38.71	34.65	242	150	Average	HORIZONTAL

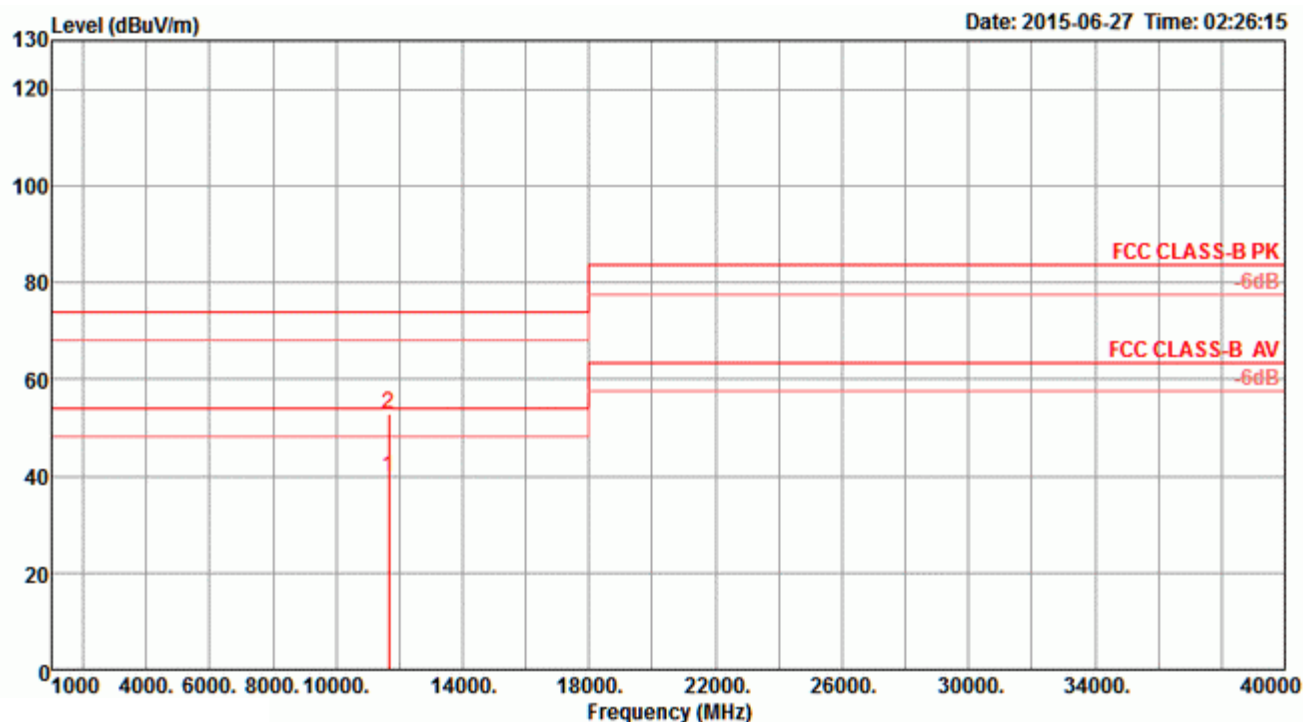
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11569.38	39.96	54.00	-14.04	29.34	6.55	38.71	34.64	251	150	Average	VERTICAL
2	11569.81	53.58	74.00	-20.42	42.97	6.55	38.71	34.65	251	150	Peak	VERTICAL

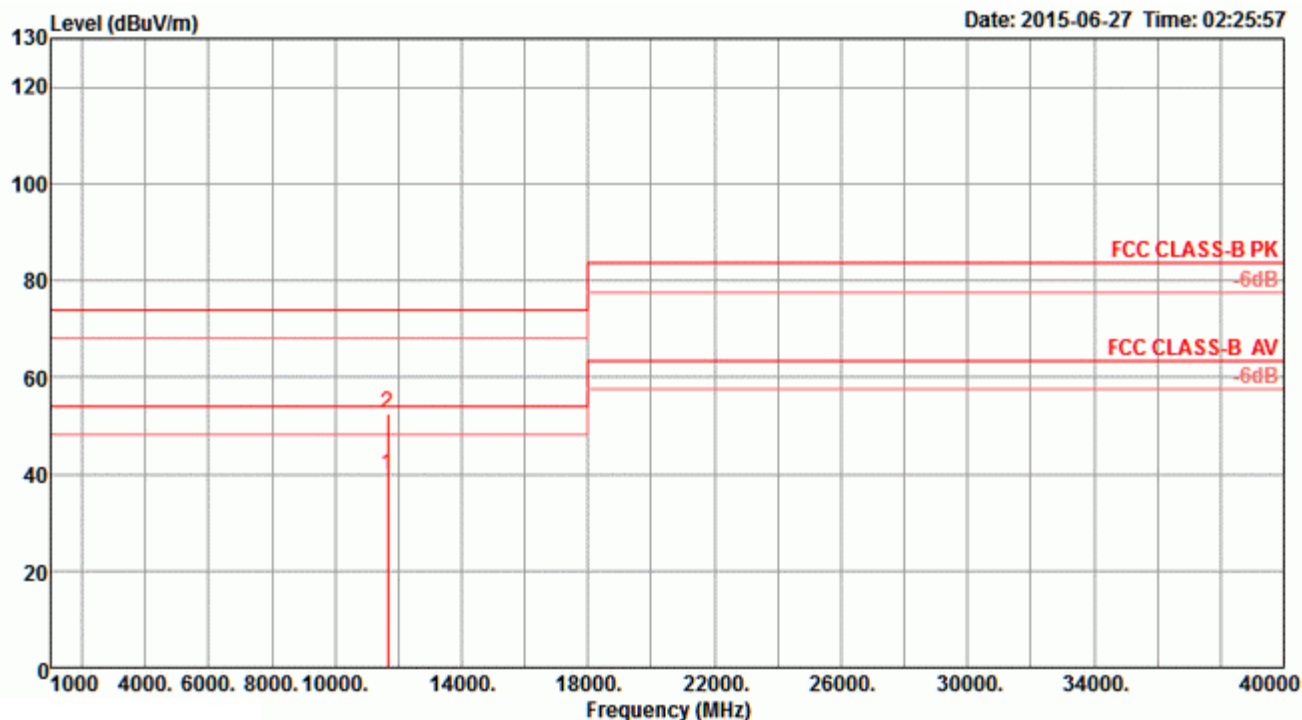
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11649.64	39.68	54.00	-14.32	29.07	6.56	38.73	34.68	279	150	Average	HORIZONTAL
2	11649.83	53.05	74.00	-20.95	42.44	6.56	38.73	34.68	279	150	Peak	HORIZONTAL

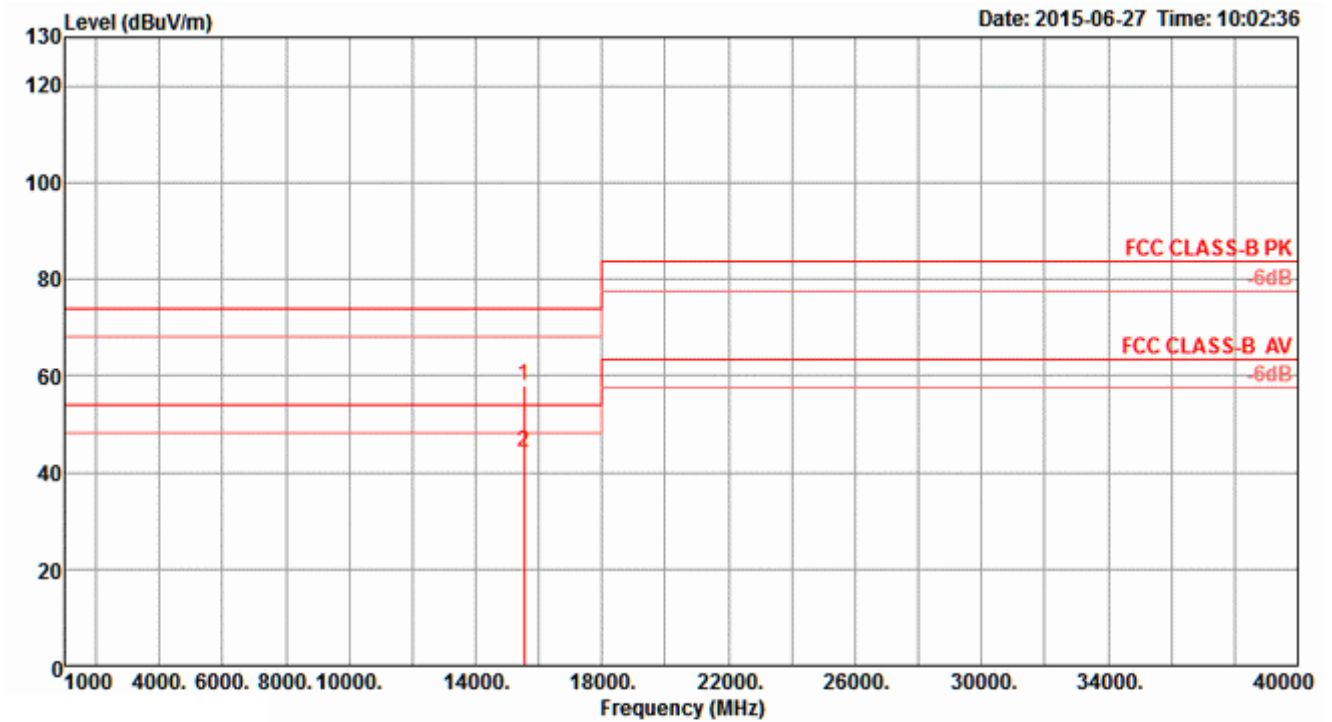
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11649.83	39.73	54.00	-14.27	29.12	6.56	38.73	34.68	269	150	Average	VERTICAL
2	11650.42	52.57	74.00	-21.43	41.96	6.56	38.73	34.68	269	150	Peak	VERTICAL

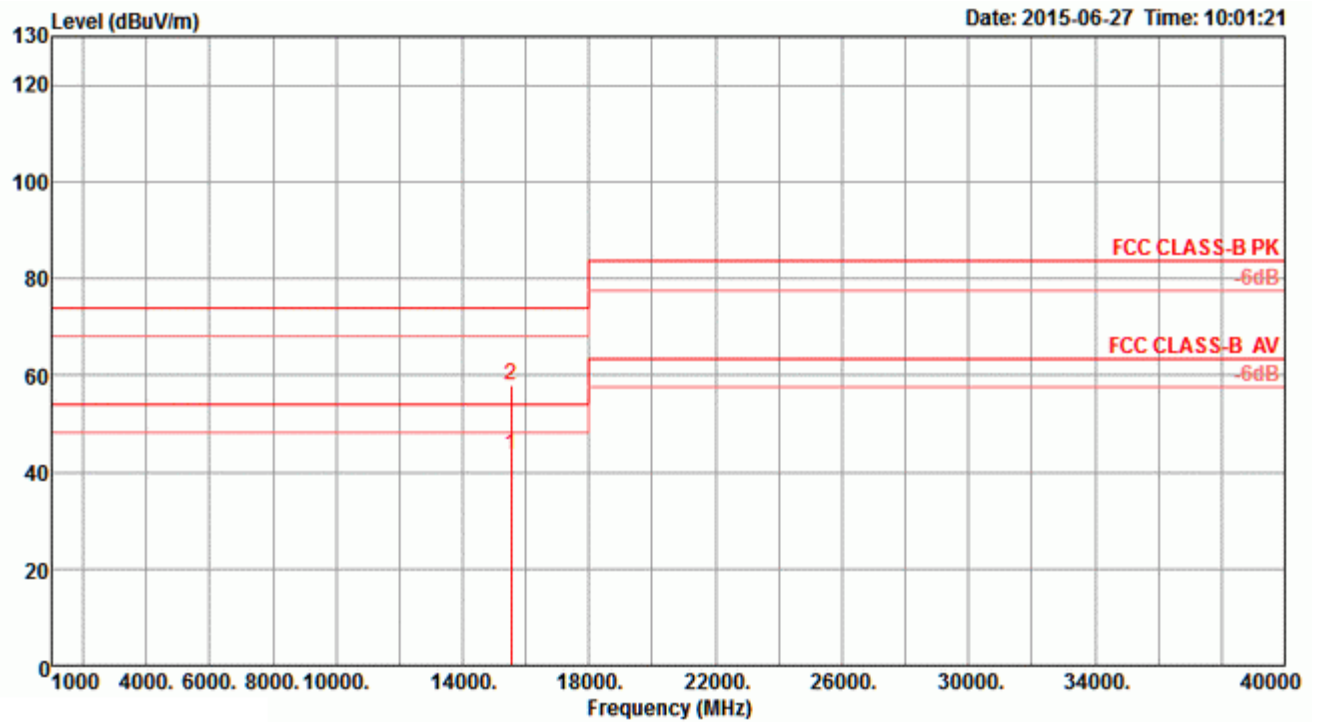
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15542.92	58.03	74.00	-15.97	46.93	7.56	38.16	34.62	254	177	Peak	HORIZONTAL
2	15544.59	44.03	54.00	-9.97	32.90	7.56	38.19	34.62	254	177	Average	HORIZONTAL

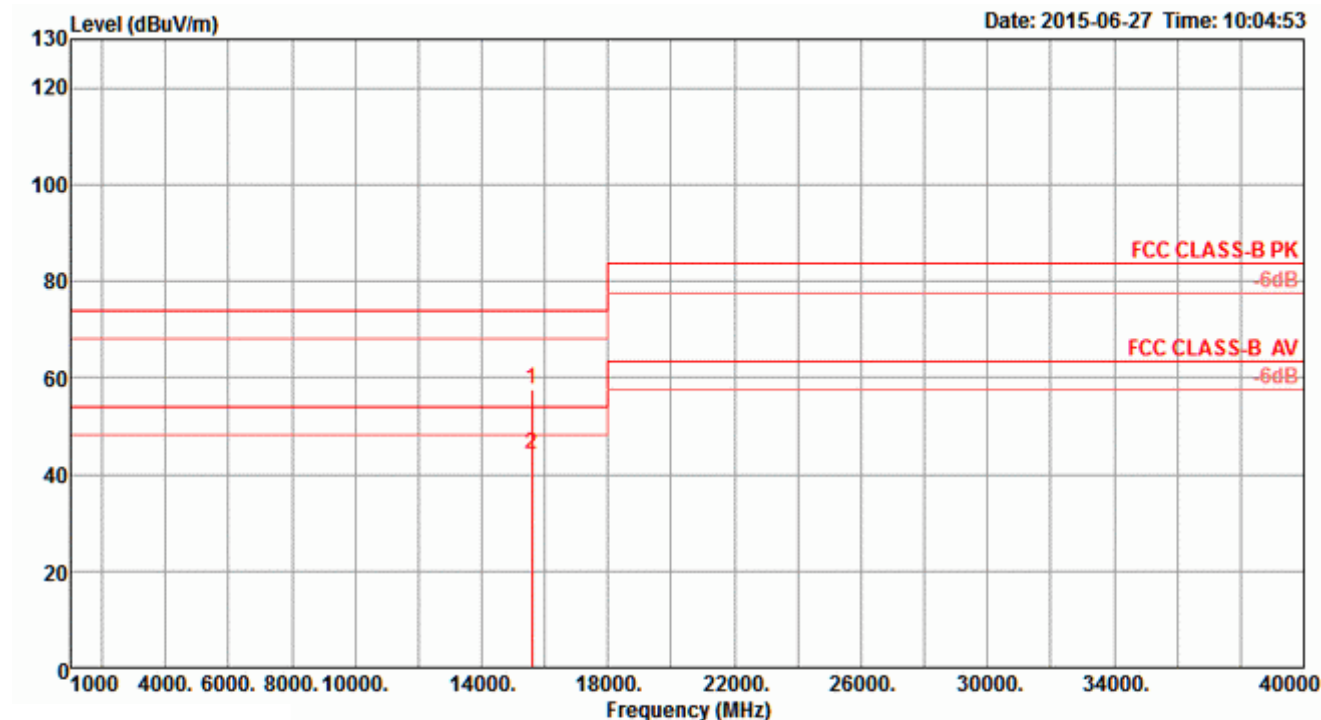
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15536.19	43.63	54.00	-10.37	32.53	7.56	38.16	34.62	44	146	Average	VERTICAL
2	15540.65	57.80	74.00	-16.20	46.70	7.56	38.16	34.62	44	146	Peak	VERTICAL

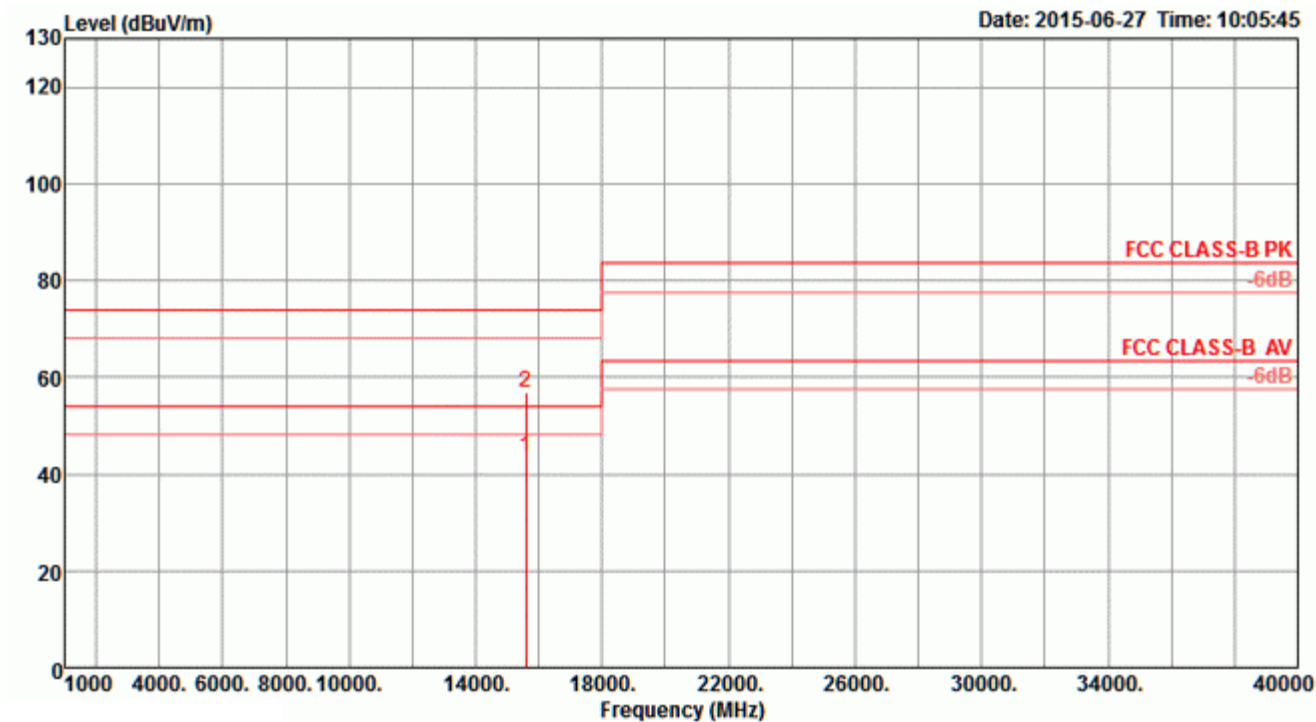
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15596.56	57.43	74.00	-16.57	46.23	7.58	38.29	34.67	312	126	Peak	HORIZONTAL
2	15597.57	44.02	54.00	-9.98	32.82	7.58	38.29	34.67	312	126	Average	HORIZONTAL

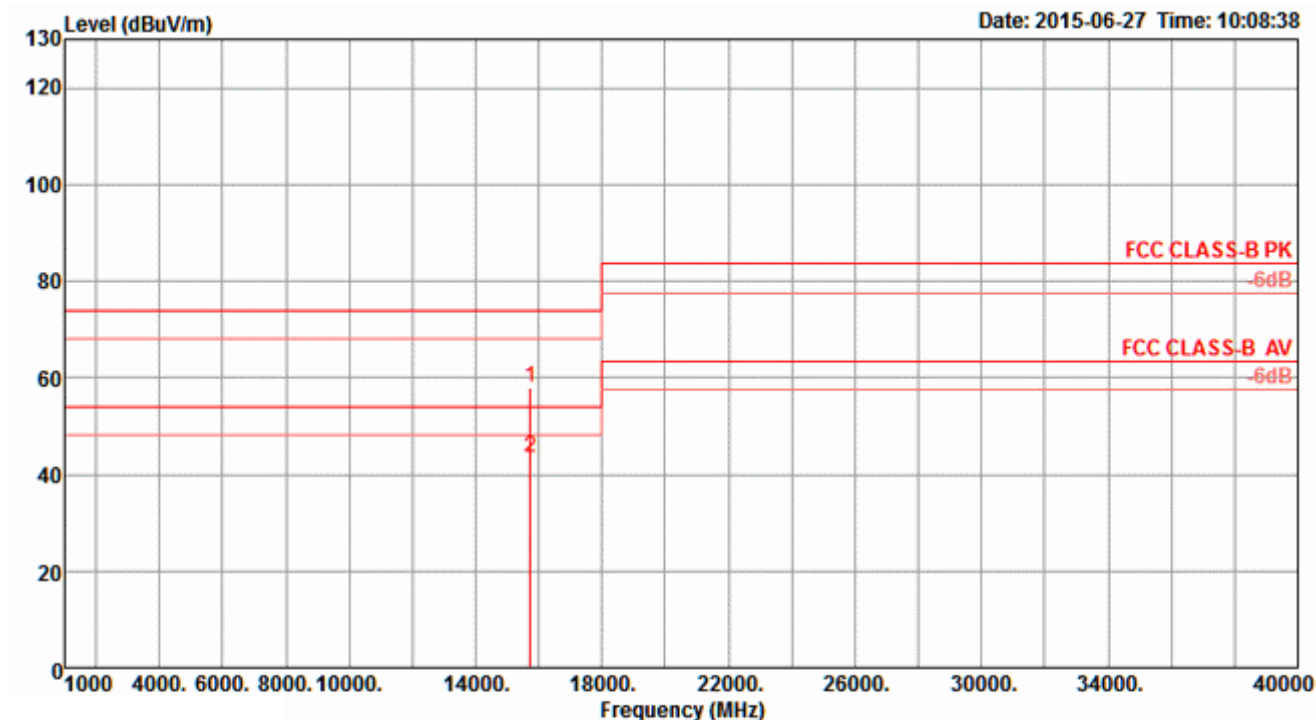
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15599.41	43.52	54.00	-10.48	32.34	7.58	38.29	34.69	125	143	Average	VERTICAL
2	15599.83	57.00	74.00	-17.00	45.82	7.58	38.29	34.69	125	143	Peak	VERTICAL

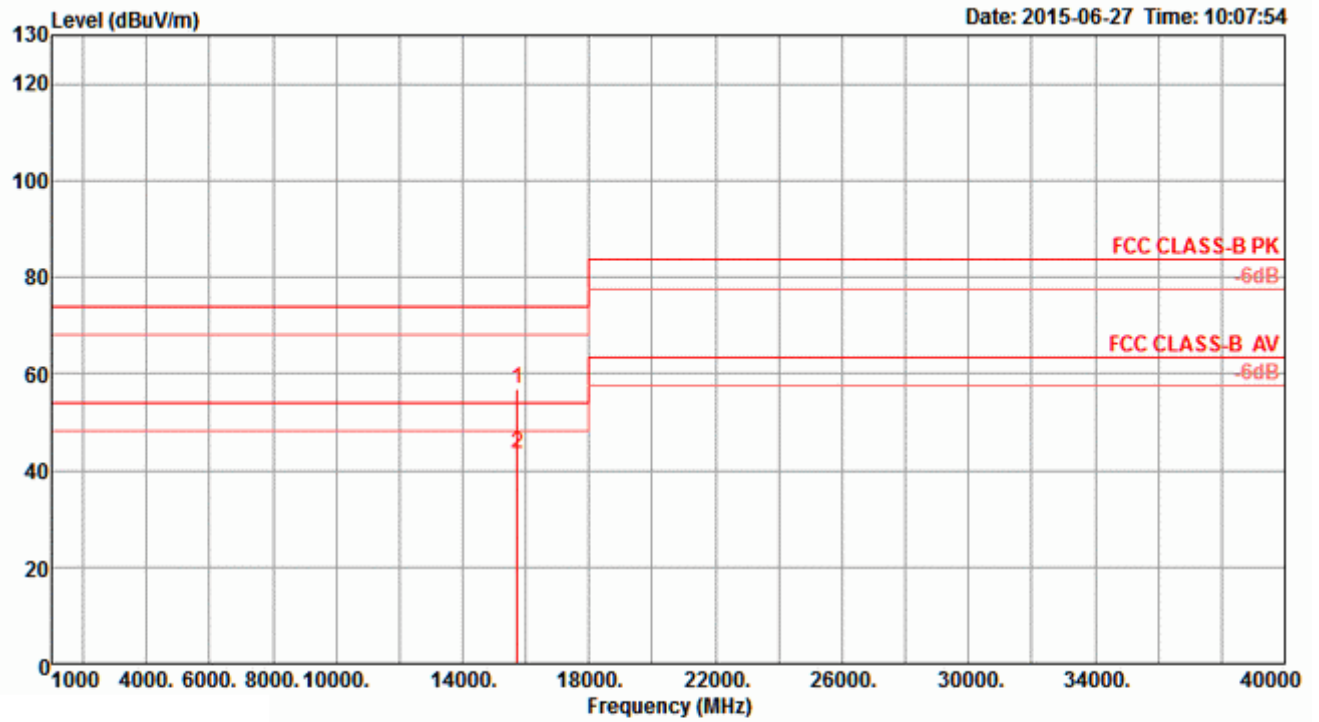
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15719.25	57.94	74.00	-16.06	46.60	7.62	38.50	34.78	62	141	Peak	HORIZONTAL
2	15722.74	43.53	54.00	-10.47	32.19	7.62	38.50	34.78	62	141	Average	HORIZONTAL

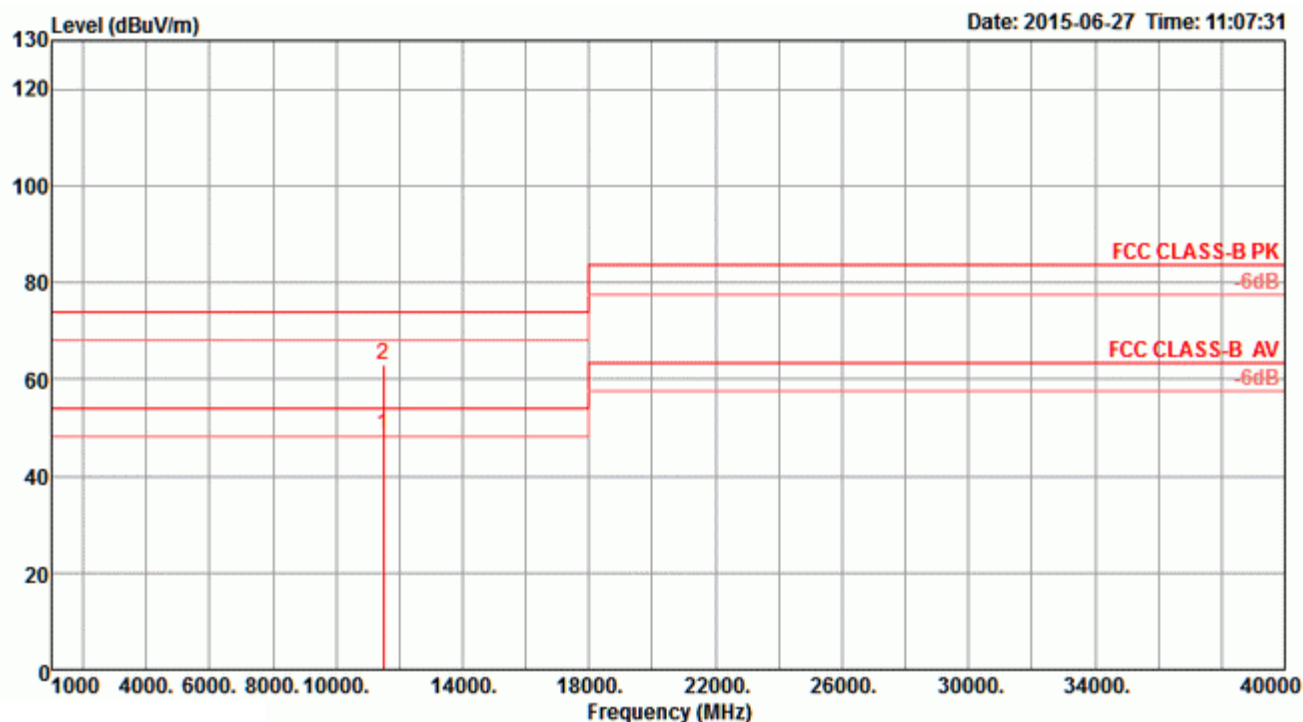
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	15721.06	56.73	74.00	-17.27	45.39	7.62	38.50	34.78	102	152 Peak	VERTICAL
2	15722.13	43.57	54.00	-10.43	32.23	7.62	38.50	34.78	102	152 Average	VERTICAL

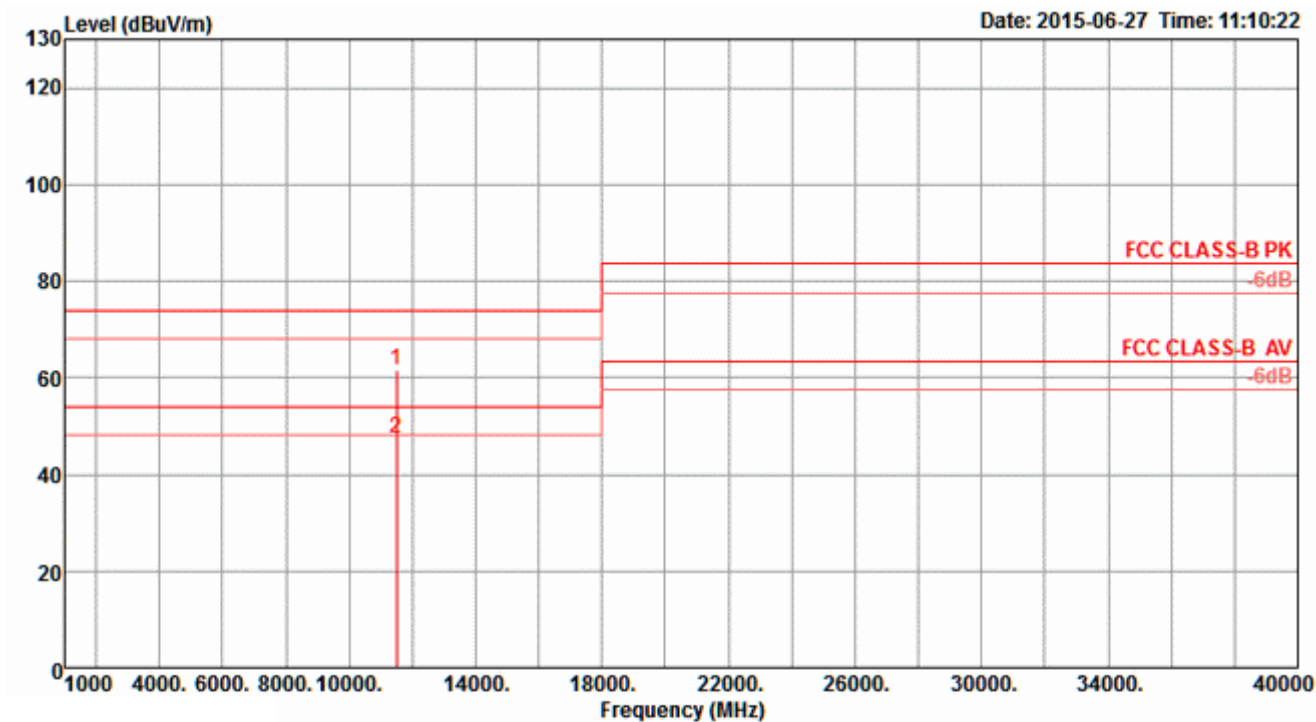
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11492.58	48.63	54.00	-5.37	38.02	6.53	38.70	34.62	145	170	Average	HORIZONTAL
2	11492.78	63.00	74.00	-11.00	52.39	6.53	38.70	34.62	145	170	Peak	HORIZONTAL

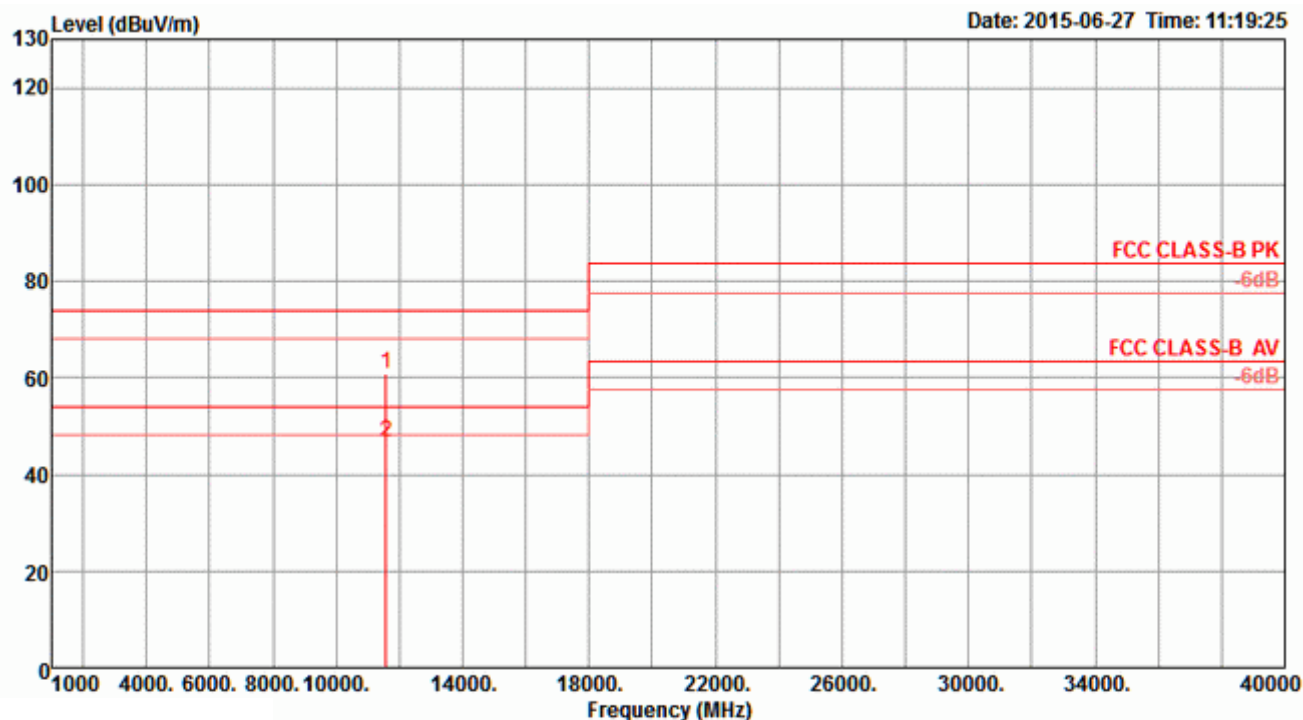
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11492.58	61.44	74.00	-12.56	50.83	6.53	38.70	34.62	161	163	Peak	VERTICAL
2	11493.47	47.52	54.00	-6.48	36.91	6.53	38.70	34.62	161	163	Average	VERTICAL

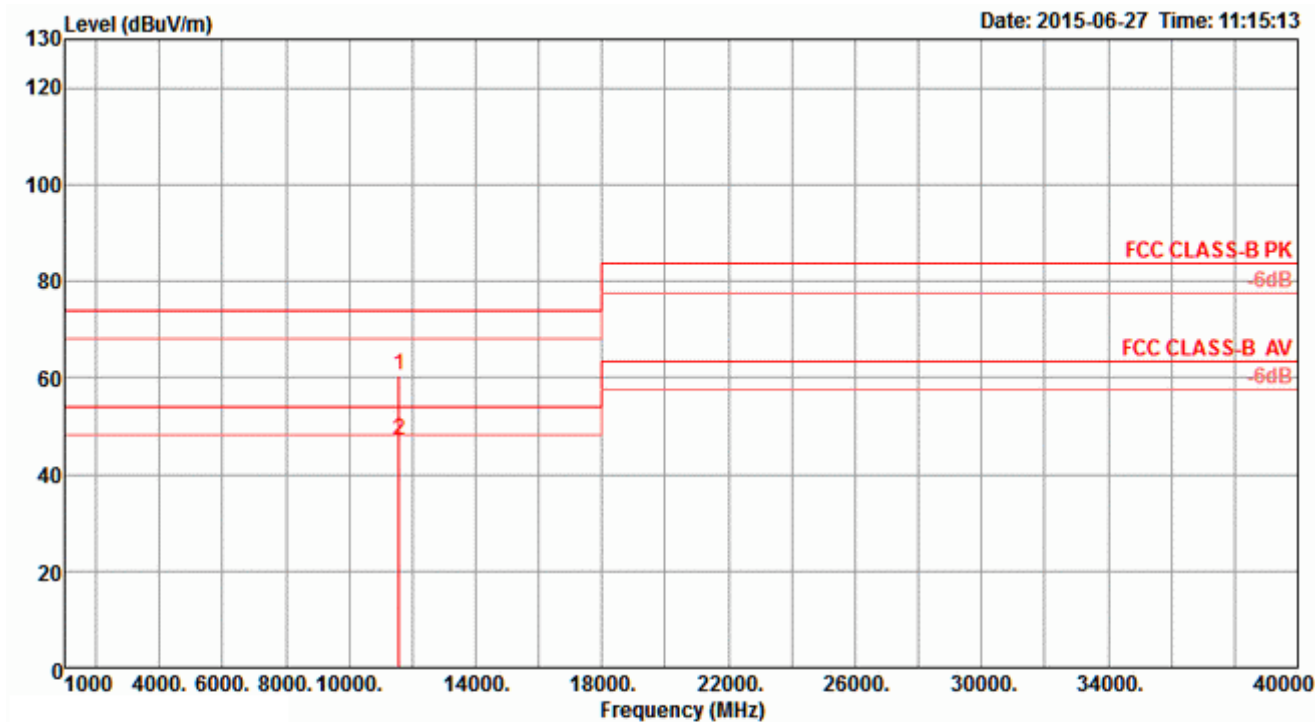
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11575.01	60.69	74.00	-13.31	50.08	6.55	38.71	34.65	139	152	Peak	HORIZONTAL
2	11575.18	46.54	54.00	-7.46	35.93	6.55	38.71	34.65	139	152	Average	HORIZONTAL

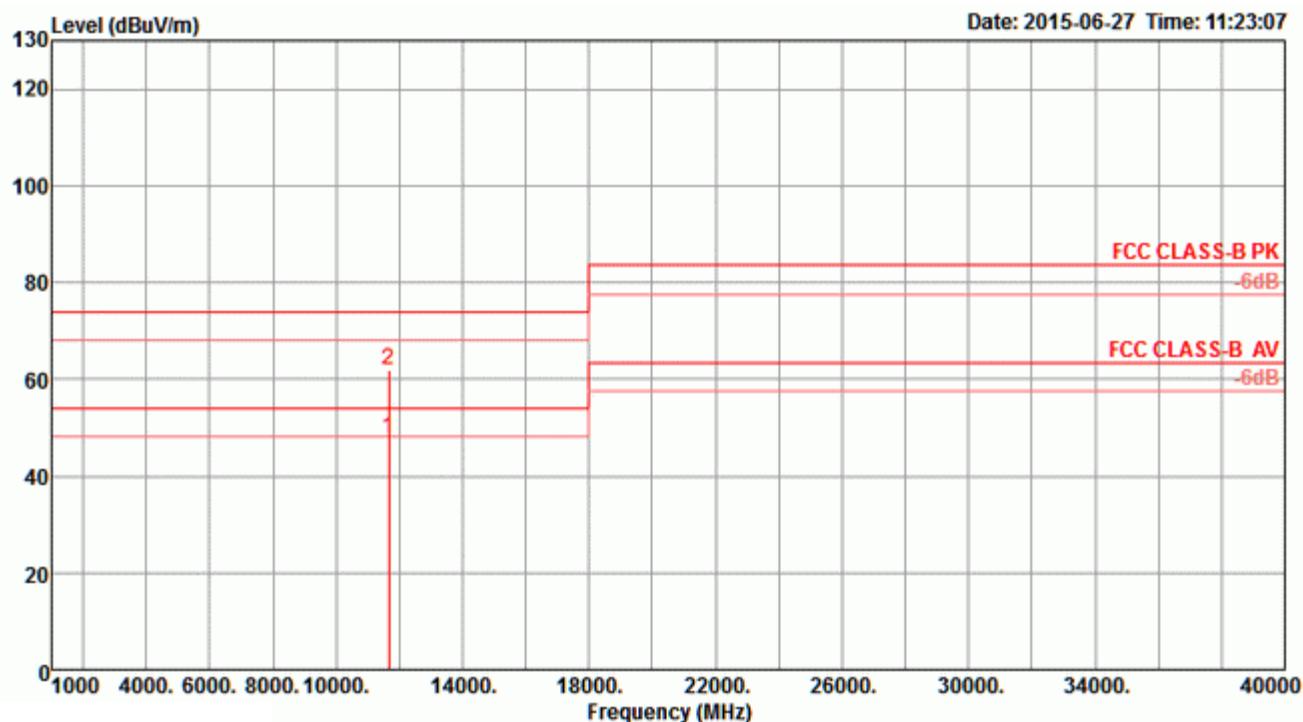
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11575.30	60.40	74.00	-13.60	49.79	6.55	38.71	34.65	153	168	Peak	VERTICAL
2	11576.08	47.01	54.00	-6.99	36.40	6.55	38.71	34.65	153	168	Average	VERTICAL

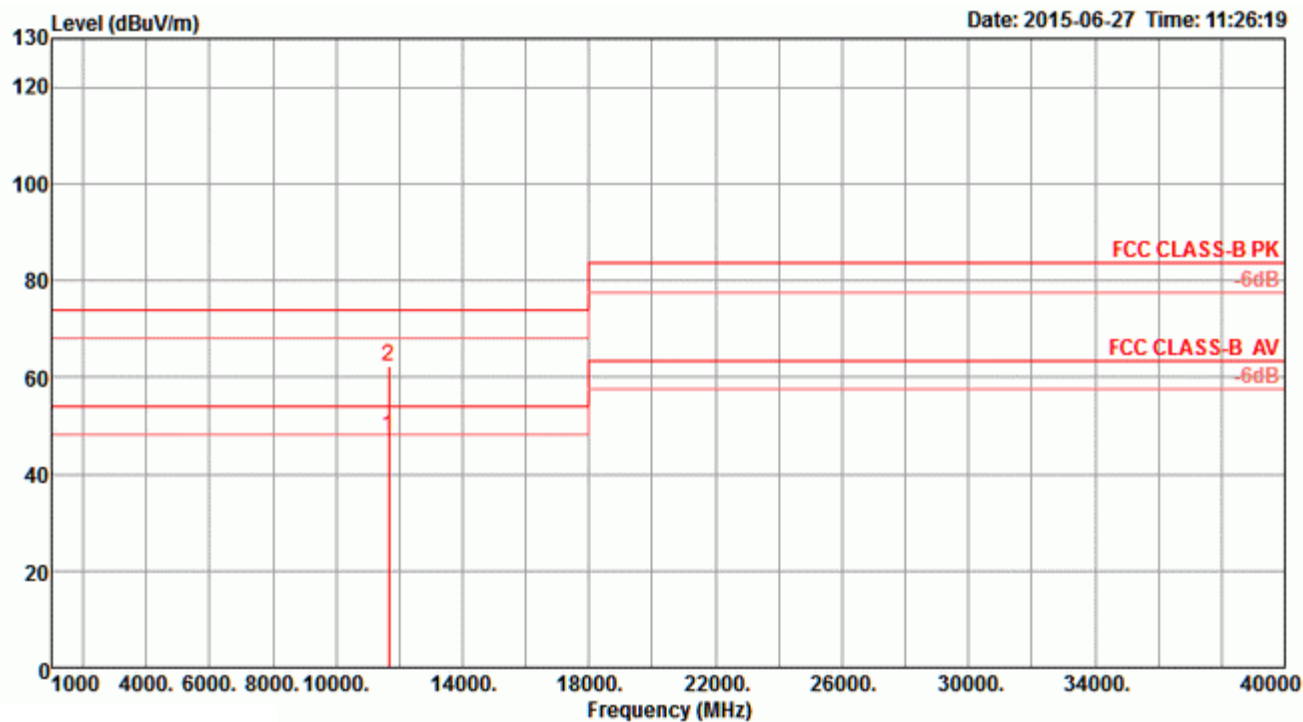
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	11650.03	47.94	54.00	-6.06	37.33	6.56	38.73	34.68	97	139	Average
2	11650.55	62.09	74.00	-11.91	51.48	6.56	38.73	34.68	97	139	Peak

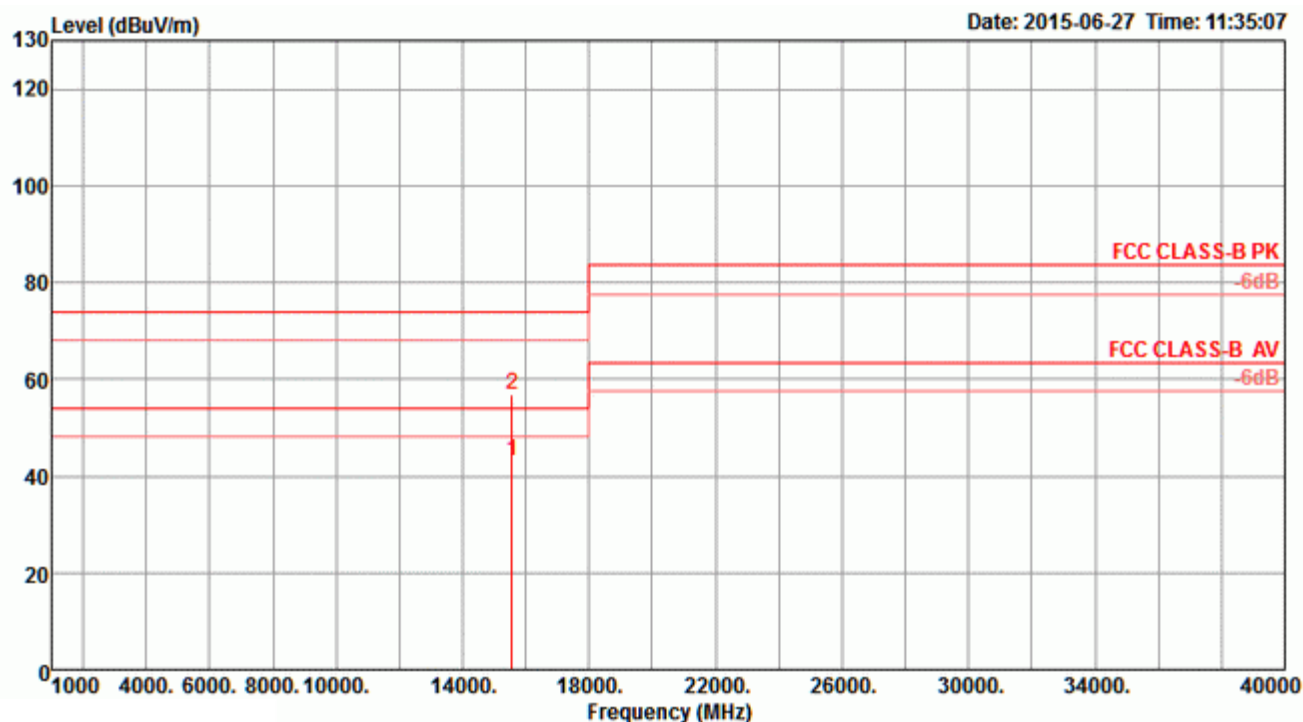
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11659.26	47.93	54.00	-6.07	37.32	6.56	38.73	34.68	184	145	Average
2	11659.93	62.18	74.00	-11.82	51.57	6.56	38.73	34.68	184	145	Peak

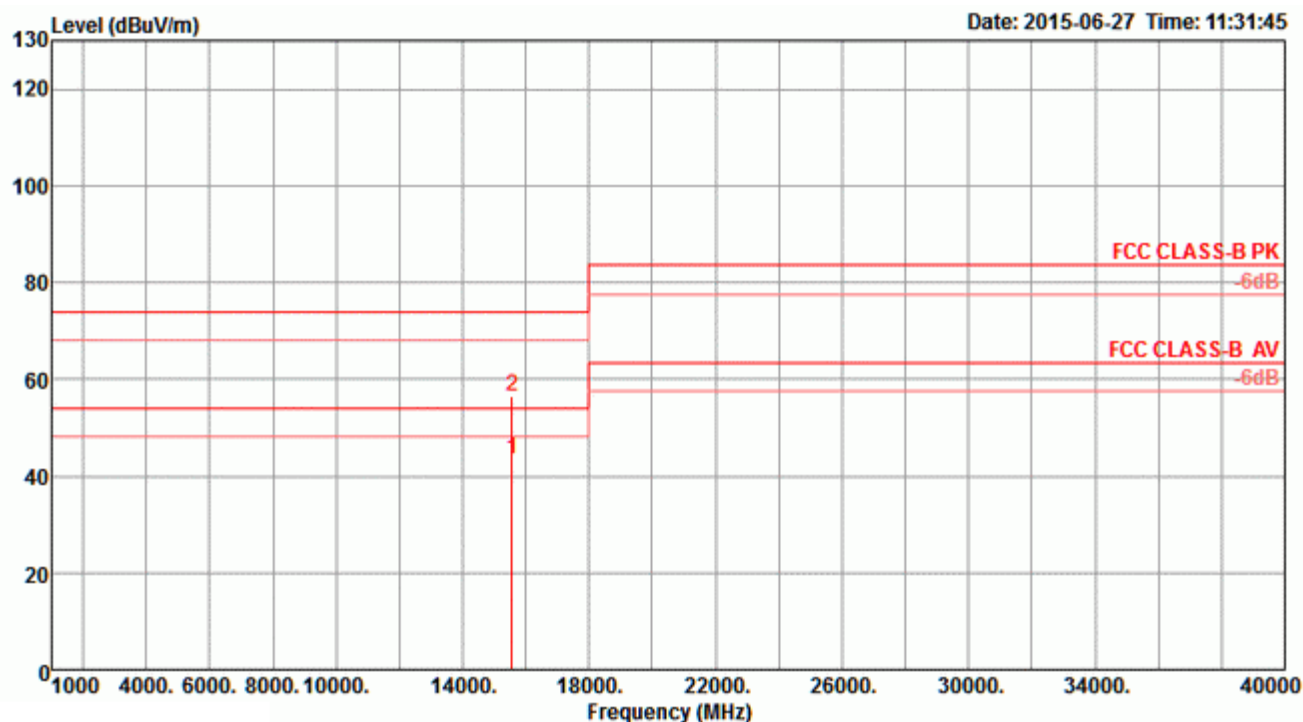
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15567.12	43.24	54.00	-10.76	32.09	7.57	38.22	34.64	156	149	Average	HORIZONTAL
2	15571.42	56.74	74.00	-17.26	45.59	7.57	38.22	34.64	156	149	Peak	HORIZONTAL

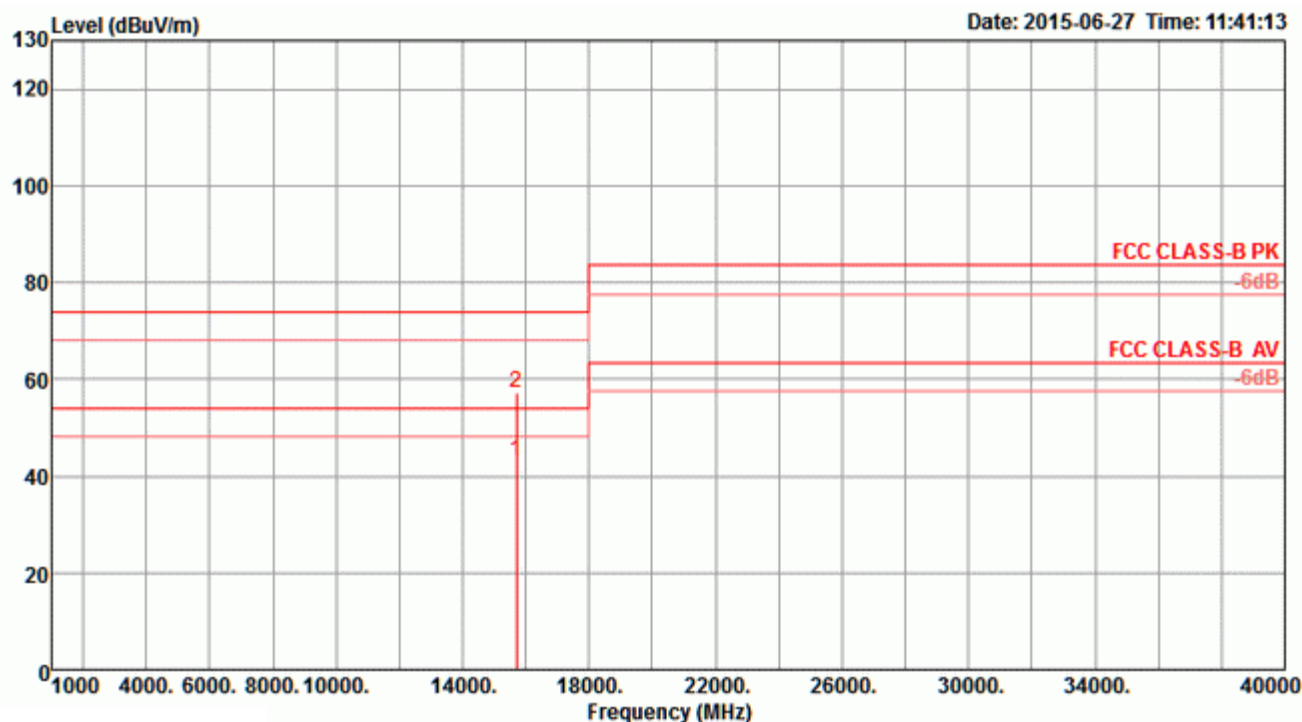
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15567.92	43.31	54.00	-10.69	32.16	7.57	38.22	34.64	66	168	Average	VERTICAL
2	15572.05	56.46	74.00	-17.54	45.31	7.57	38.22	34.64	66	168	Peak	VERTICAL

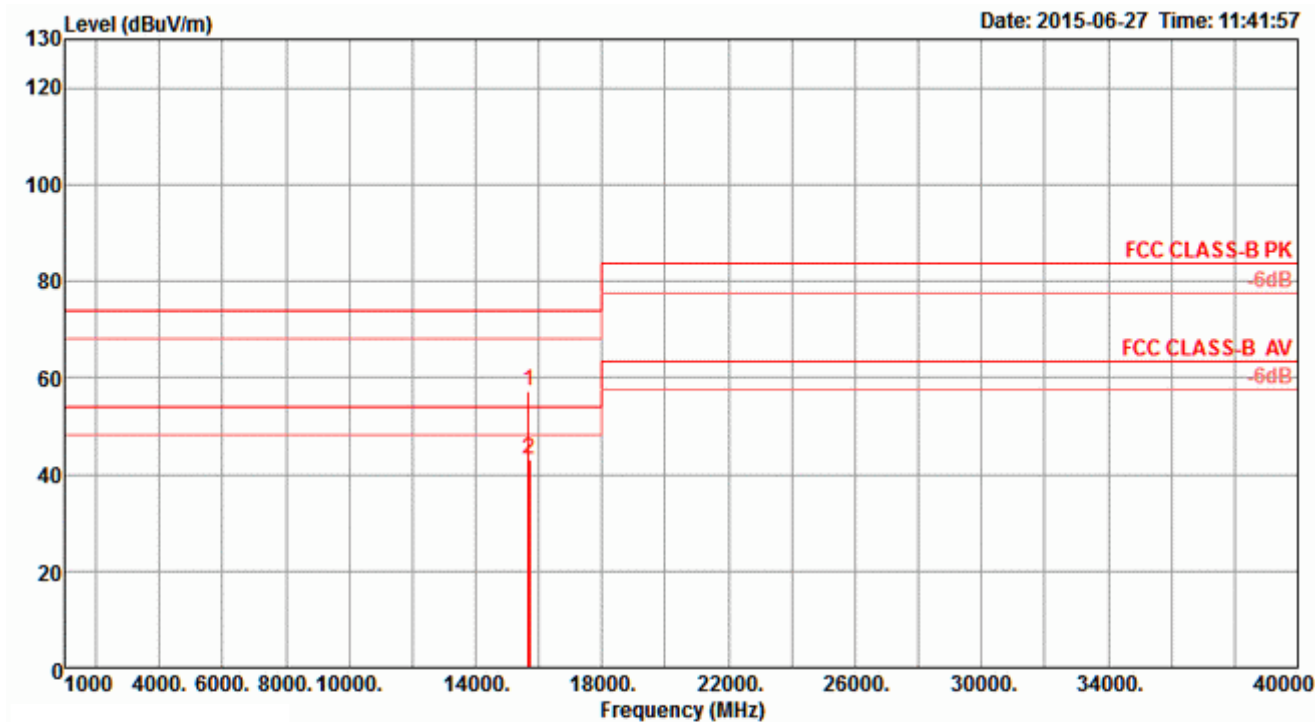
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15687.58	43.21	54.00	-10.79	31.91	7.61	38.44	34.75	165	161	Average	HORIZONTAL
2	15690.93	57.16	74.00	-16.84	45.86	7.61	38.44	34.75	165	161	Peak	HORIZONTAL

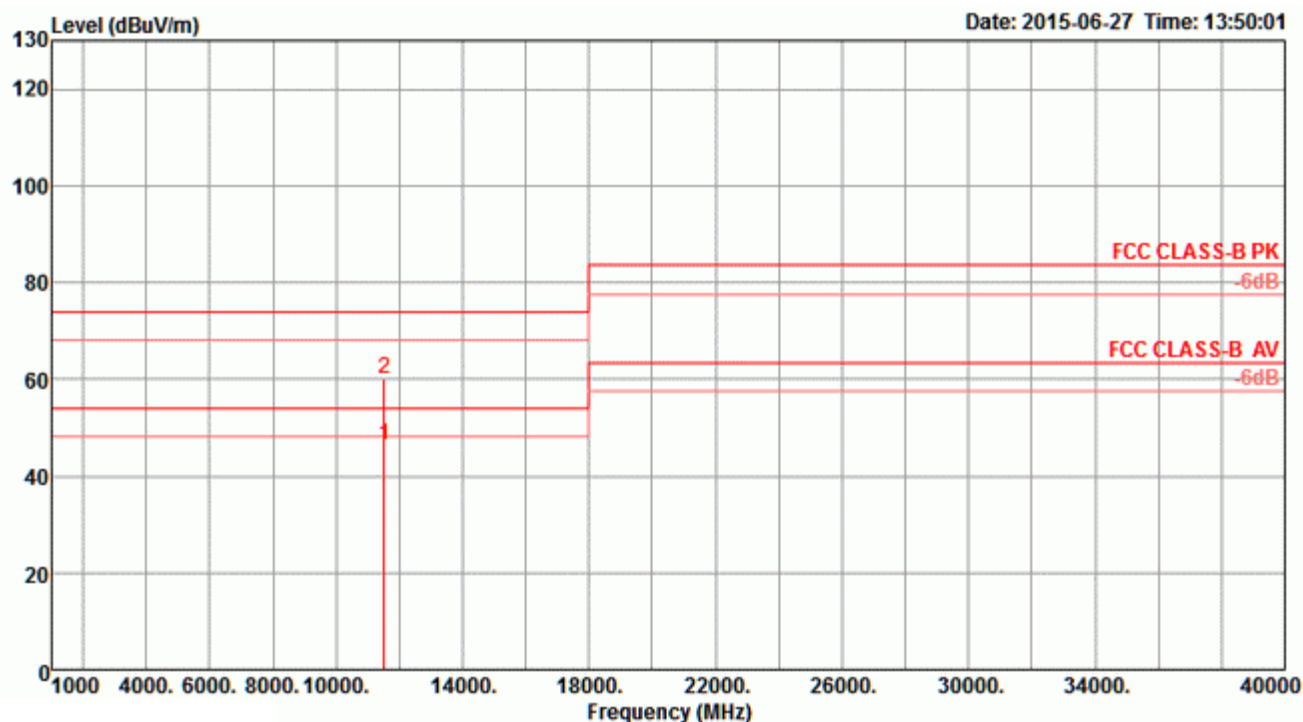
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15685.82	57.04	74.00	-16.96	45.74	7.61	38.44	34.75	146	156	Peak	VERTICAL
2	15688.15	43.24	54.00	-10.76	31.94	7.61	38.44	34.75	146	156	Average	VERTICAL

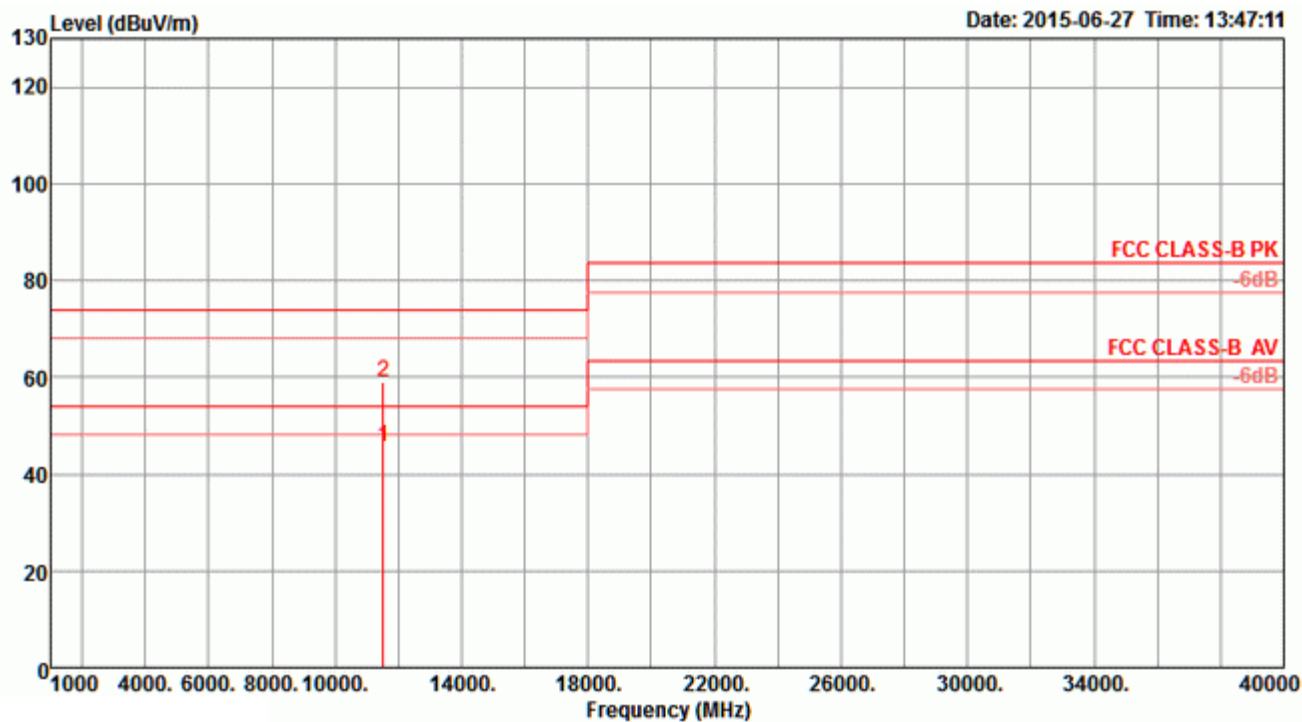
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11513.96	46.39	54.00	-7.61	35.77	6.54	38.70	34.62	142	161	Average	HORIZONTAL
2	11514.49	60.12	74.00	-13.88	49.50	6.54	38.70	34.62	142	161	Peak	HORIZONTAL

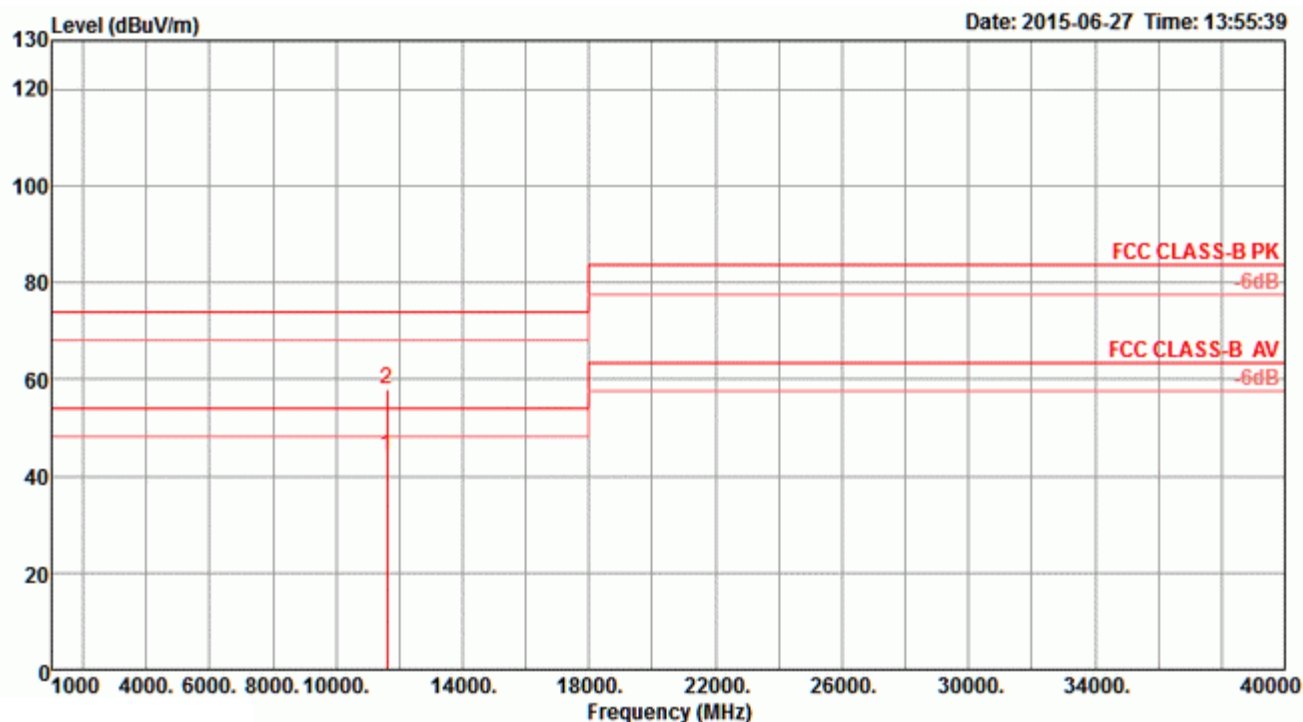
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11514.28	45.48	54.00	-8.52	34.86	6.54	38.70	34.62	156	168	Average
2	11514.95	59.11	74.00	-14.89	48.49	6.54	38.70	34.62	156	168	Peak

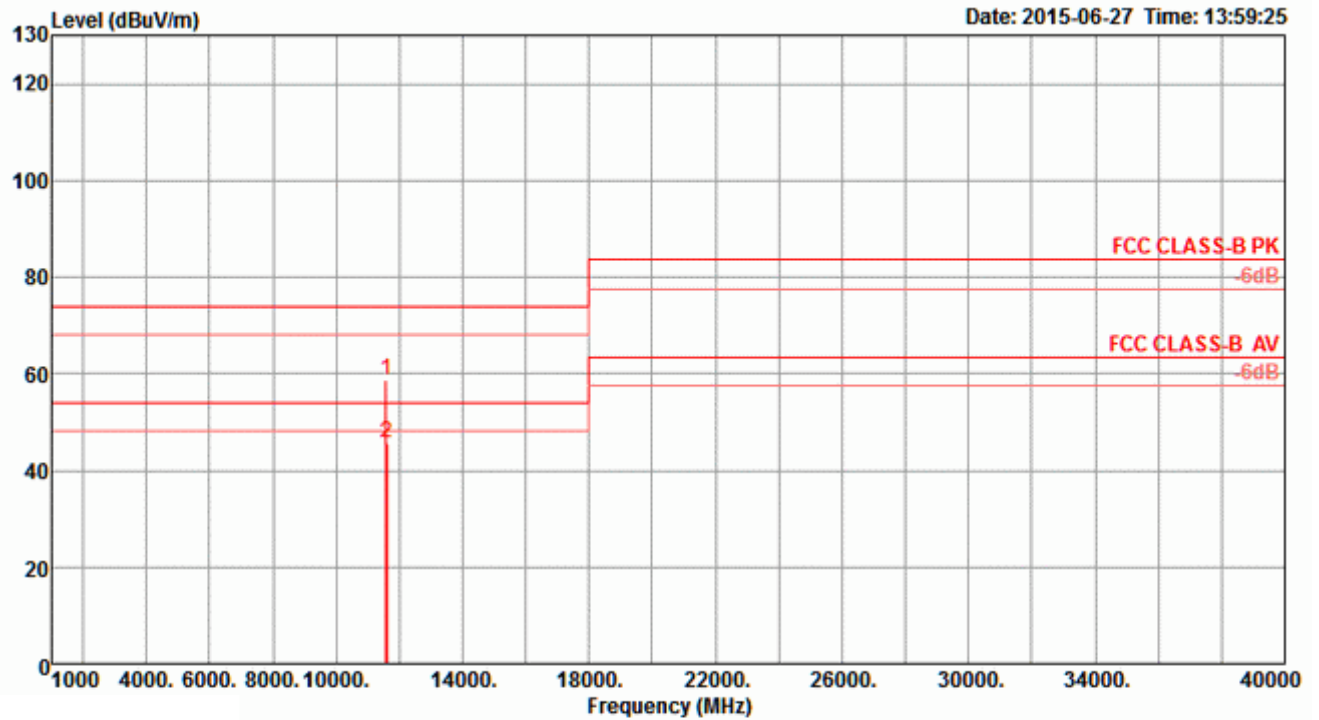
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11594.57	44.11	54.00	-9.89	33.49	6.55	38.72	34.65	144	159	Average
2	11596.57	57.83	74.00	-16.17	47.22	6.55	38.72	34.66	144	159	Peak

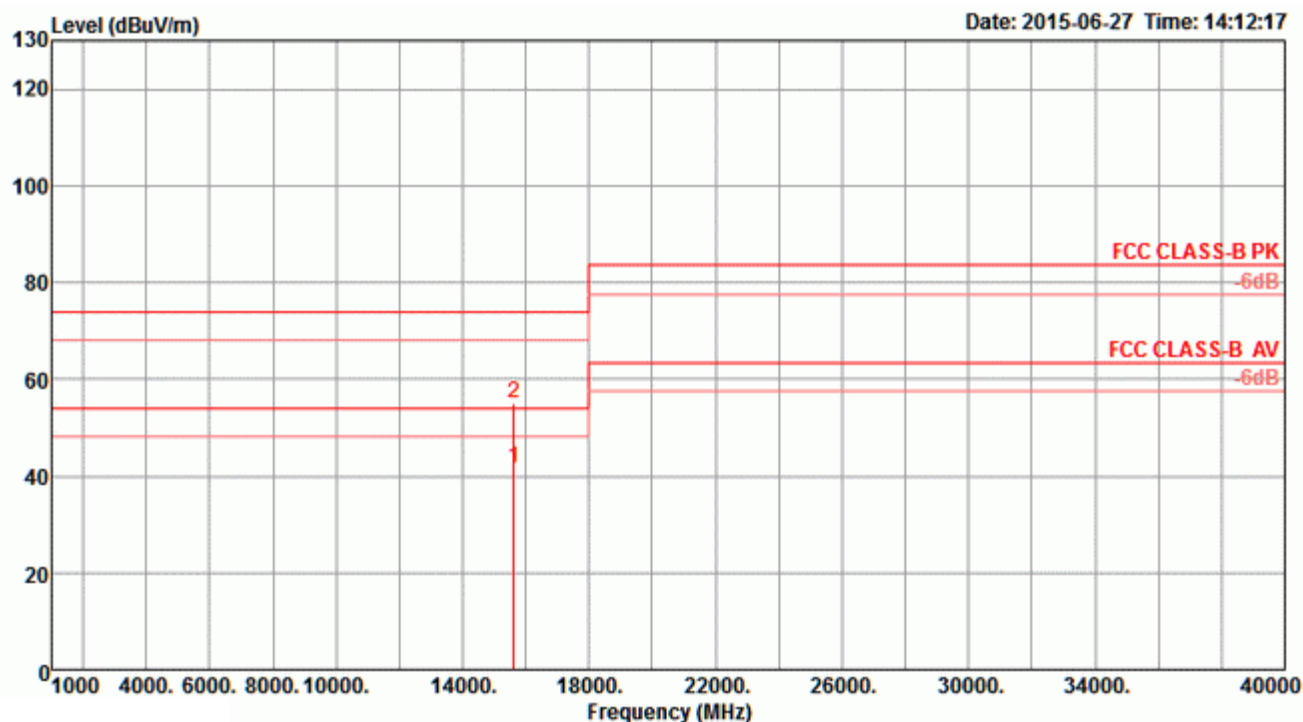
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11586.53	58.71	74.00	-15.29	48.09	6.55	38.72	34.65	185	141	Peak	VERTICAL
2	11599.00	45.81	54.00	-8.19	35.20	6.55	38.72	34.66	185	141	Average	VERTICAL

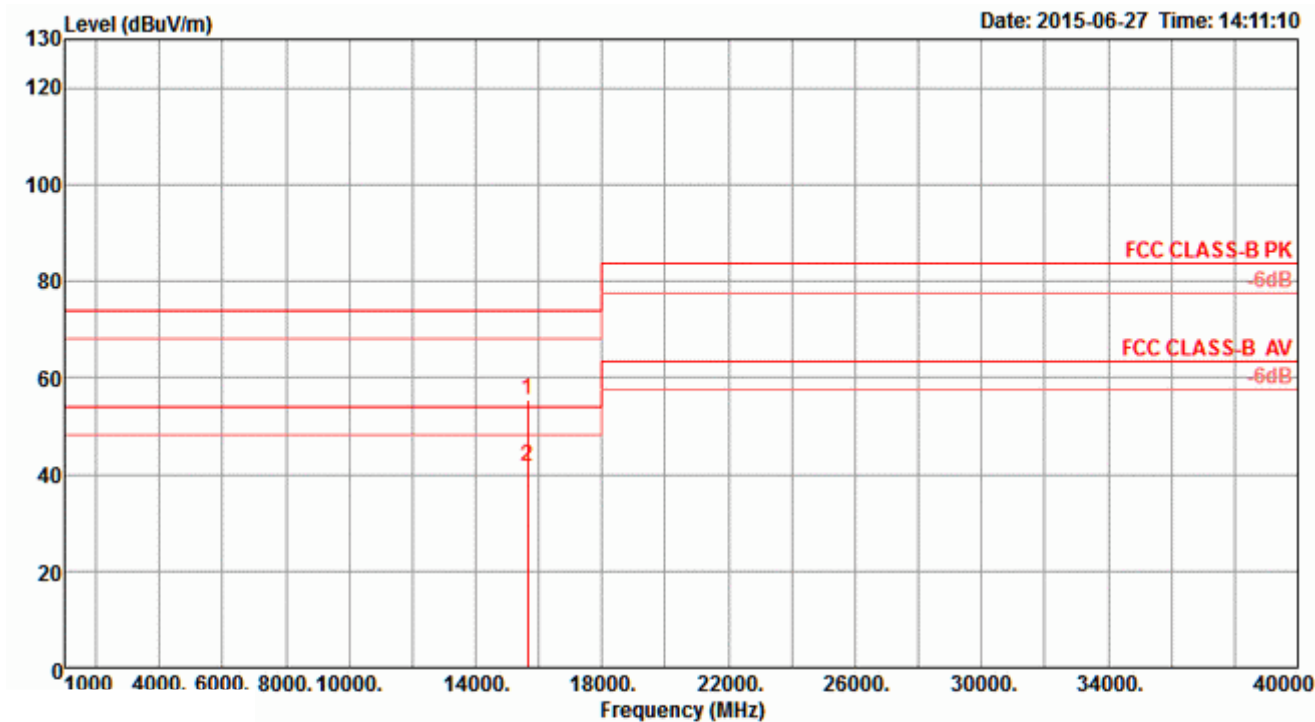
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15627.71	41.64	54.00	-12.36	30.44	7.59	38.32	34.71	170	158	Average	HORIZONTAL
2	15631.45	55.16	74.00	-18.84	43.93	7.59	38.35	34.71	170	158	Peak	HORIZONTAL

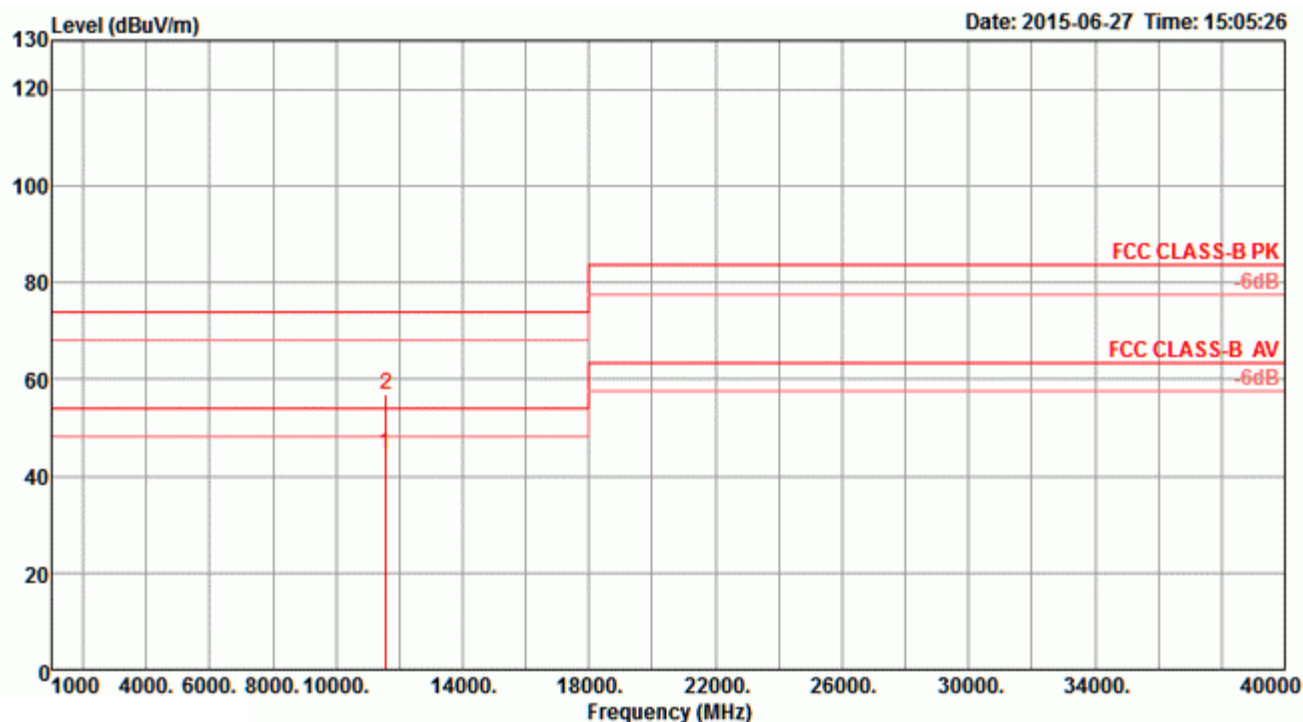
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	15633.44	55.37	74.00	-18.63	44.14	7.59	38.35	127	166	Peak	VERTICAL
2	15635.21	41.73	54.00	-12.27	30.50	7.59	38.35	127	166	Average	VERTICAL

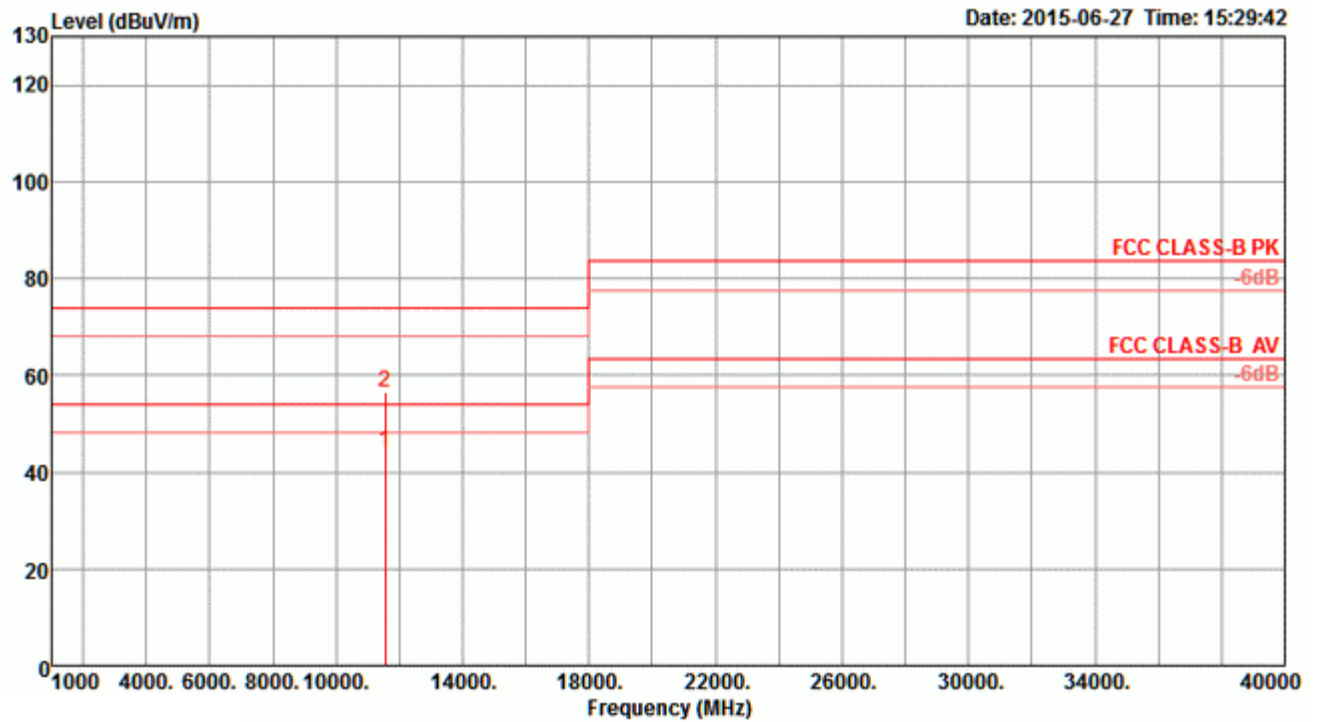
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11550.00	44.72	54.00	-9.28	34.10	6.55	38.71	34.64	96	138	Average	HORIZONTAL
2	11566.35	56.73	74.00	-17.27	46.11	6.55	38.71	34.64	96	138	Peak	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11560.27	44.11	54.00	-9.89	33.49	6.55	38.71	34.64	186	145	Average	VERTICAL
2	11561.43	56.45	74.00	-17.55	45.83	6.55	38.71	34.64	186	145	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.

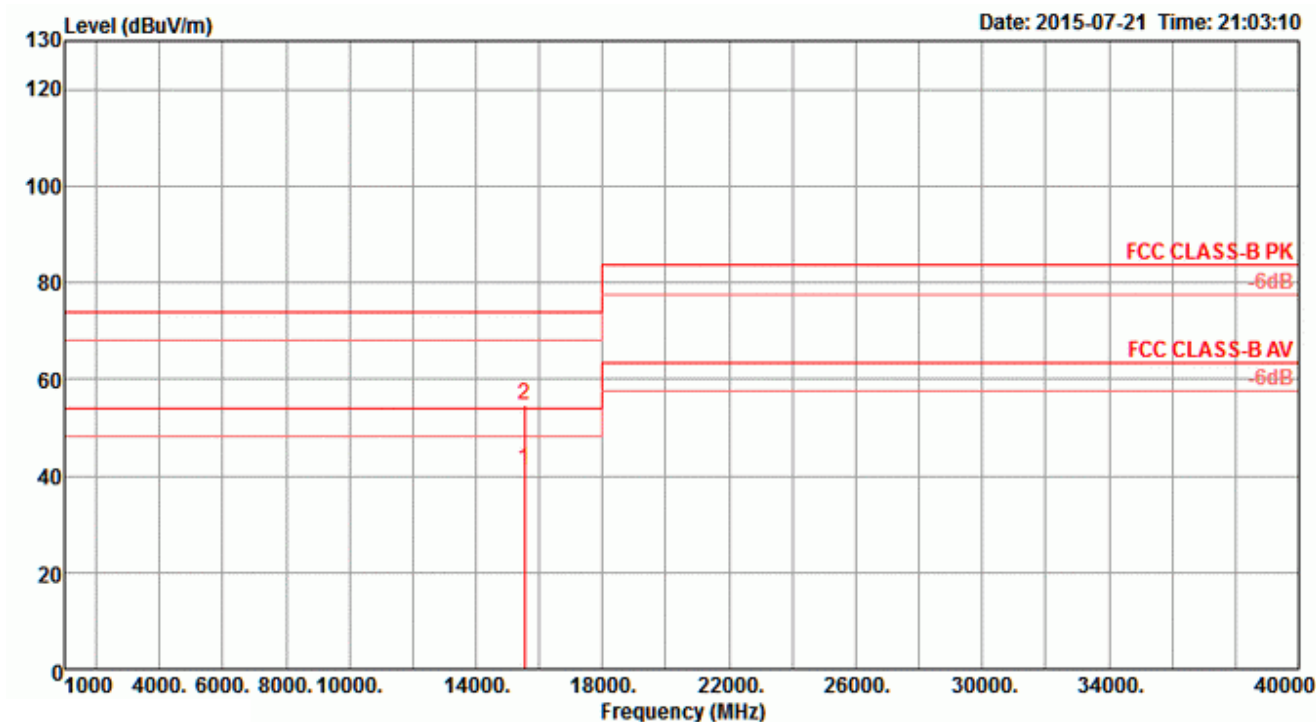
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

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

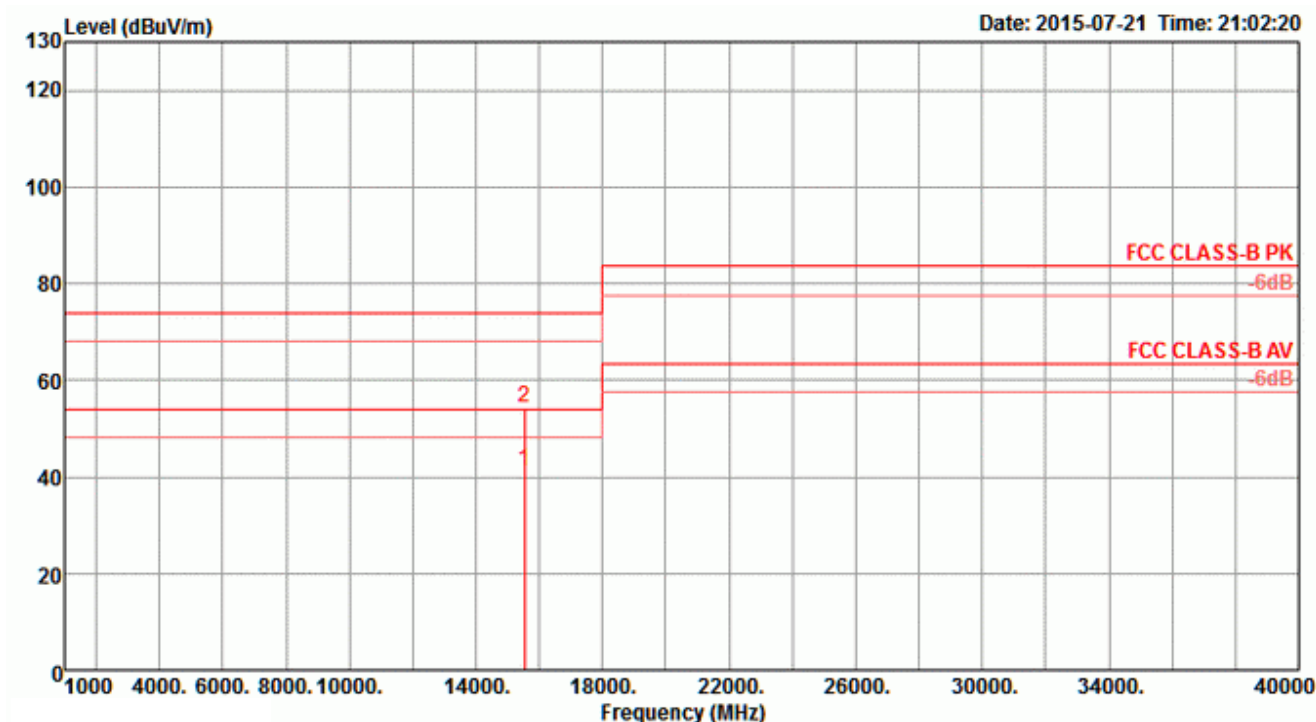
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 36 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15530.48	41.35	54.00	-12.65	30.25	7.56	38.16	34.62	275	153	Average	HORIZONTAL
2	15531.22	54.70	74.00	-19.30	43.60	7.56	38.16	34.62	275	153	Peak	HORIZONTAL

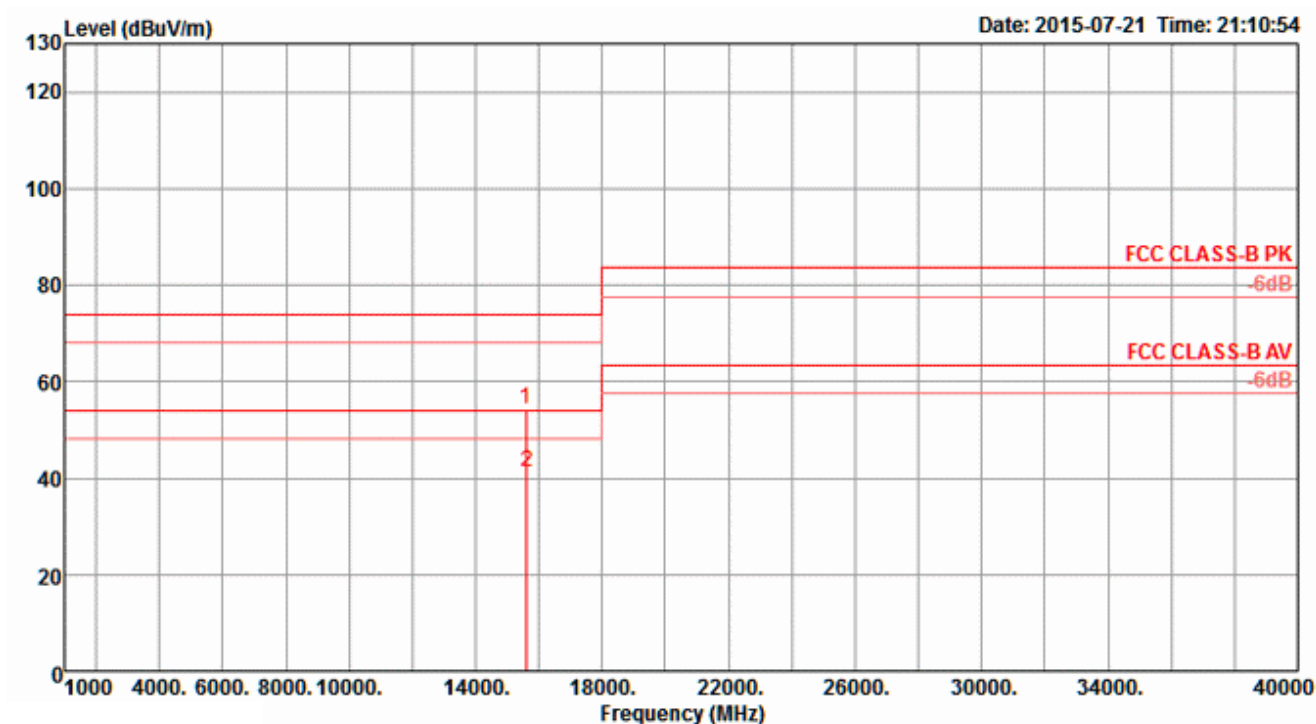
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15532.76	41.16	54.00	-12.84	30.06	7.56	38.16	34.62	285	151	Average	VERTICAL
2	15548.59	54.46	74.00	-19.54	43.35	7.56	38.19	34.64	285	151	Peak	VERTICAL

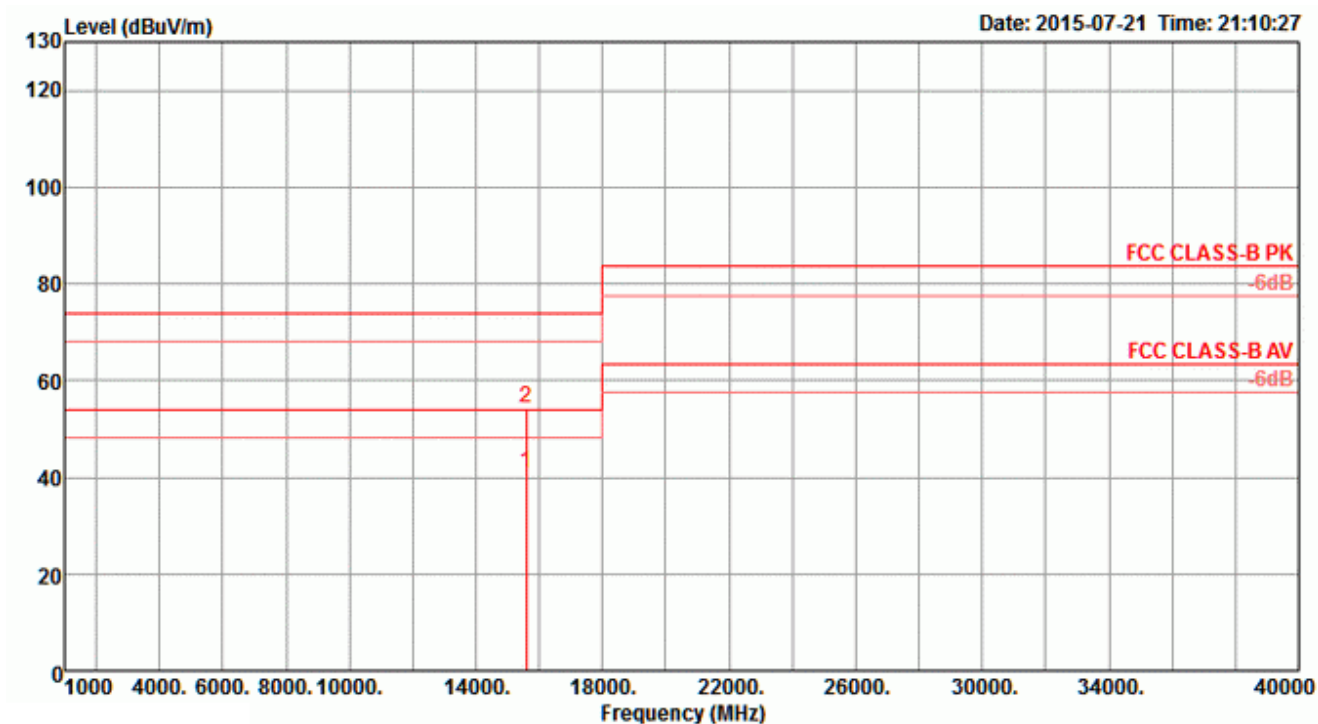
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 40 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15599.62	54.32	74.00	-19.68	43.14	7.58	38.29	34.69	262	155	Peak
2	15607.08	41.12	54.00	-12.88	29.94	7.58	38.29	34.69	262	155	Average

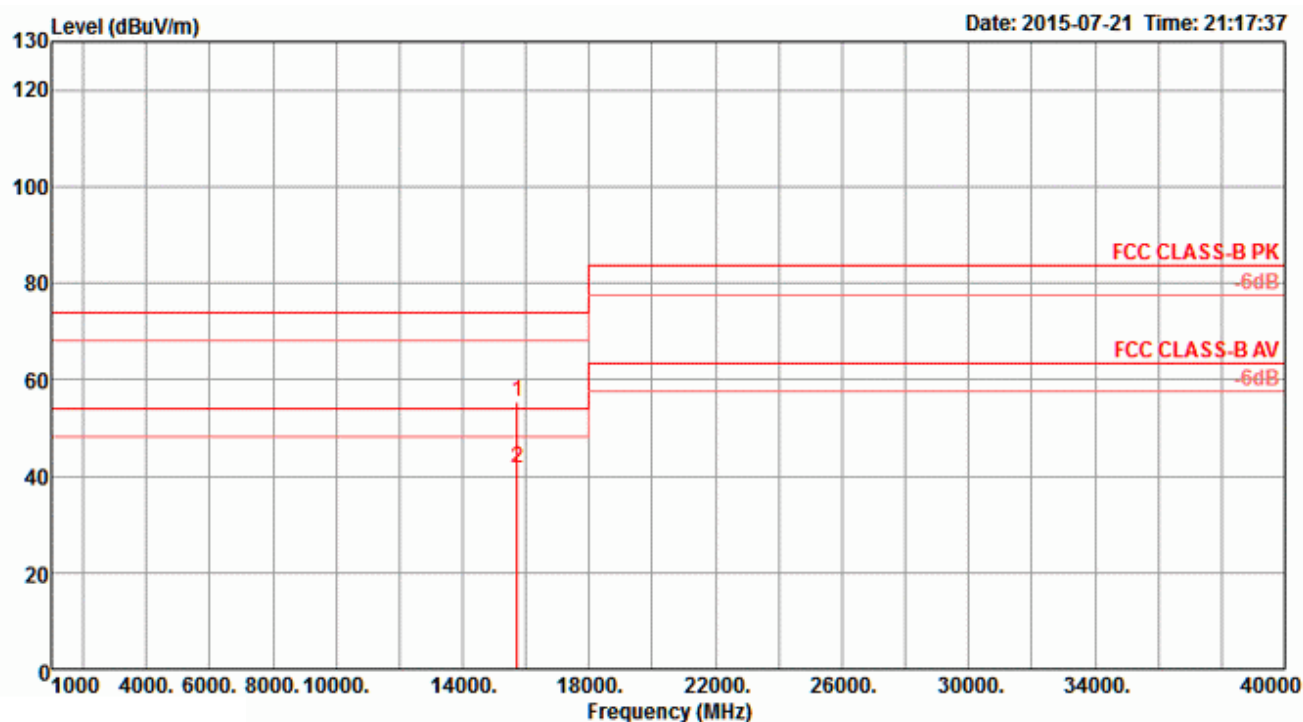
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15596.76	41.03	54.00	-12.97	29.83	7.58	38.29	34.67	268	155	Average
2	15604.04	54.36	74.00	-19.64	43.18	7.58	38.29	34.69	268	155	Peak

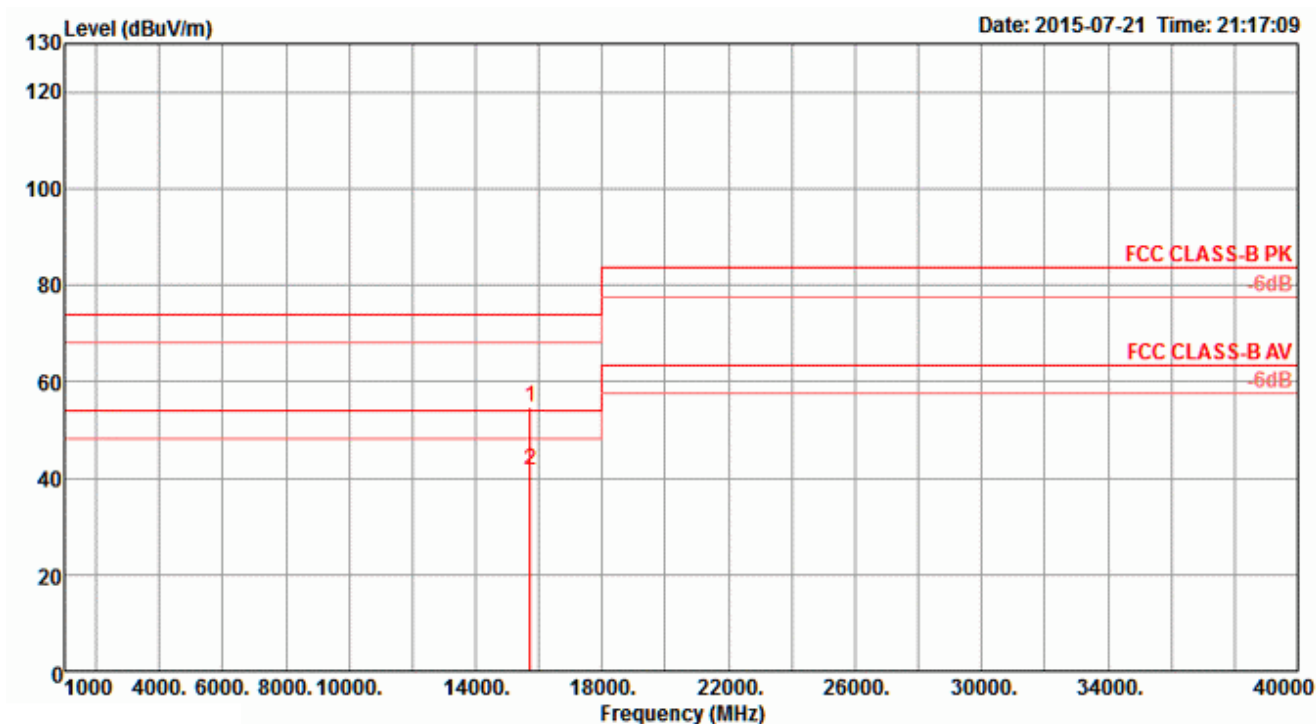
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 48 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15718.85	55.53	74.00	-18.47	44.19	7.62	38.50	34.78	257	152	Peak
2	15722.92	41.75	54.00	-12.25	30.41	7.62	38.50	34.78	257	152	Average

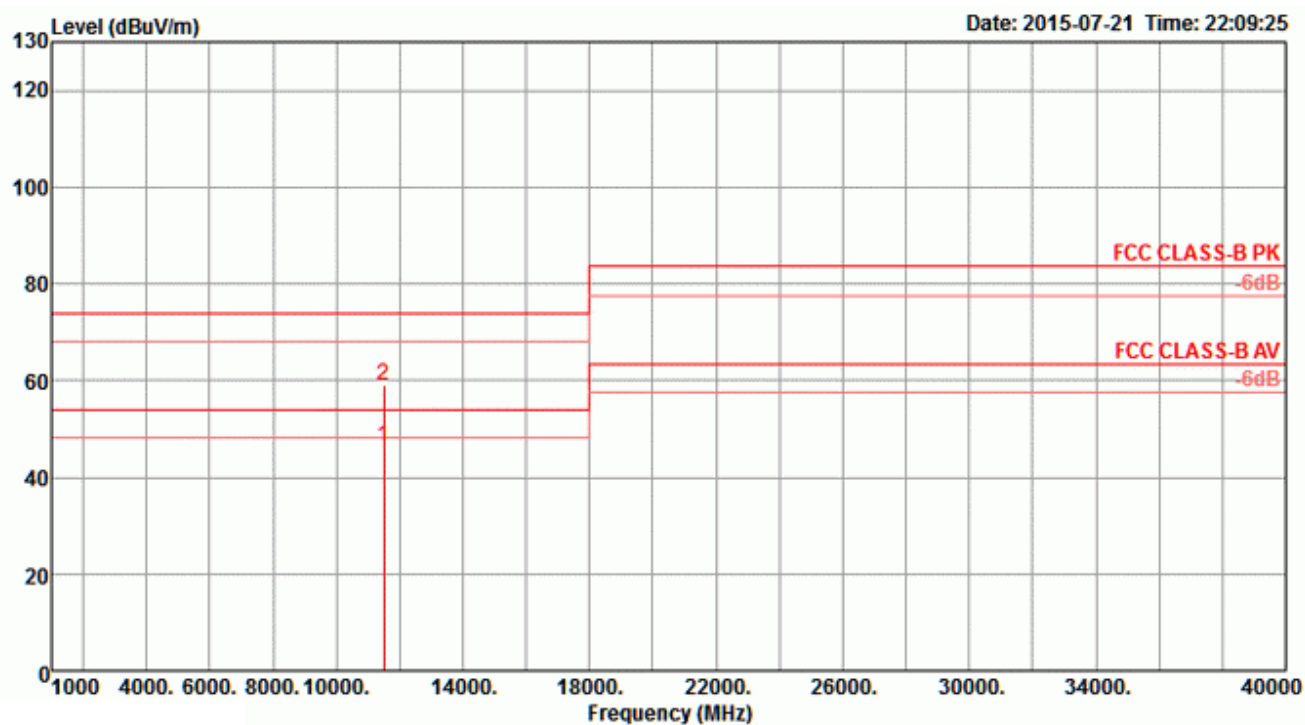
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15719.81	54.80	74.00	-19.20	43.46	7.62	38.50	34.78	259	153	Peak
2	15720.38	41.48	54.00	-12.52	30.14	7.62	38.50	34.78	259	153	Average

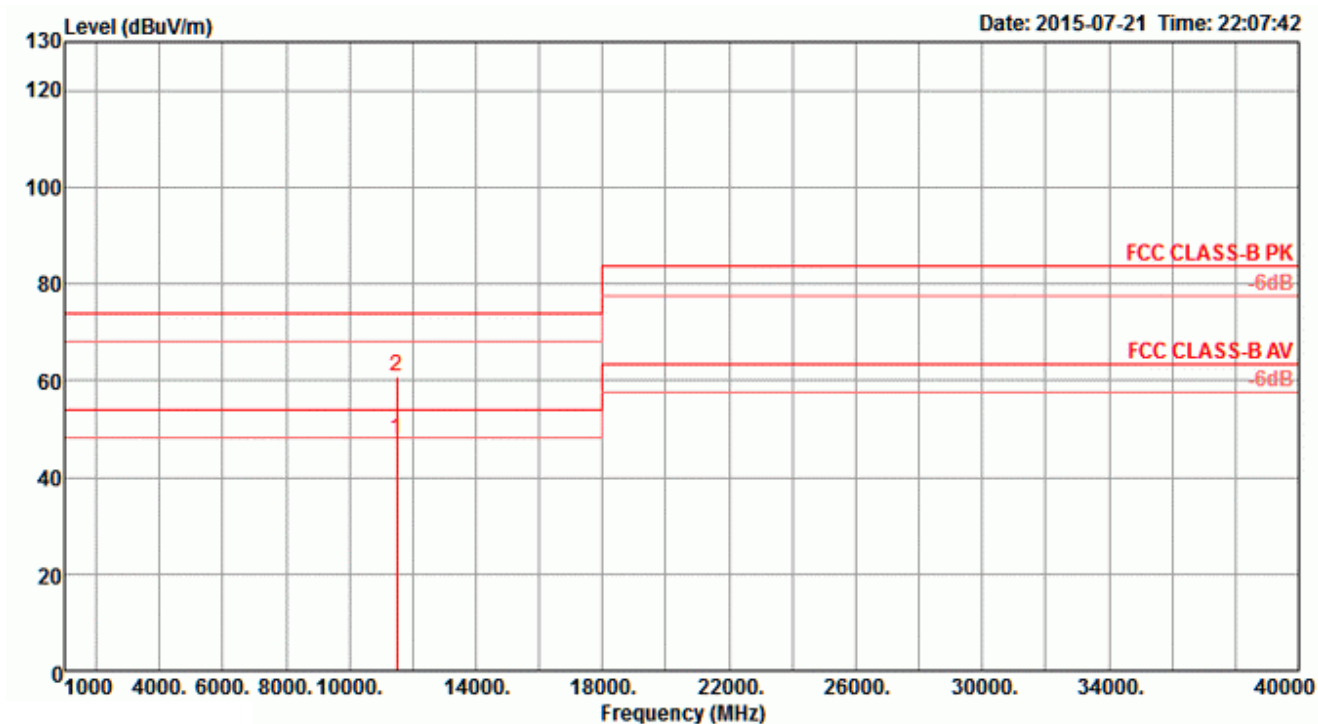
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 149 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	deg	cm	
1	11495.37	46.22	54.00	-7.78	35.61	6.53	38.70	34.62	297	164	Average
2	11498.01	59.00	74.00	-15.00	48.38	6.54	38.70	34.62	297	164	Peak

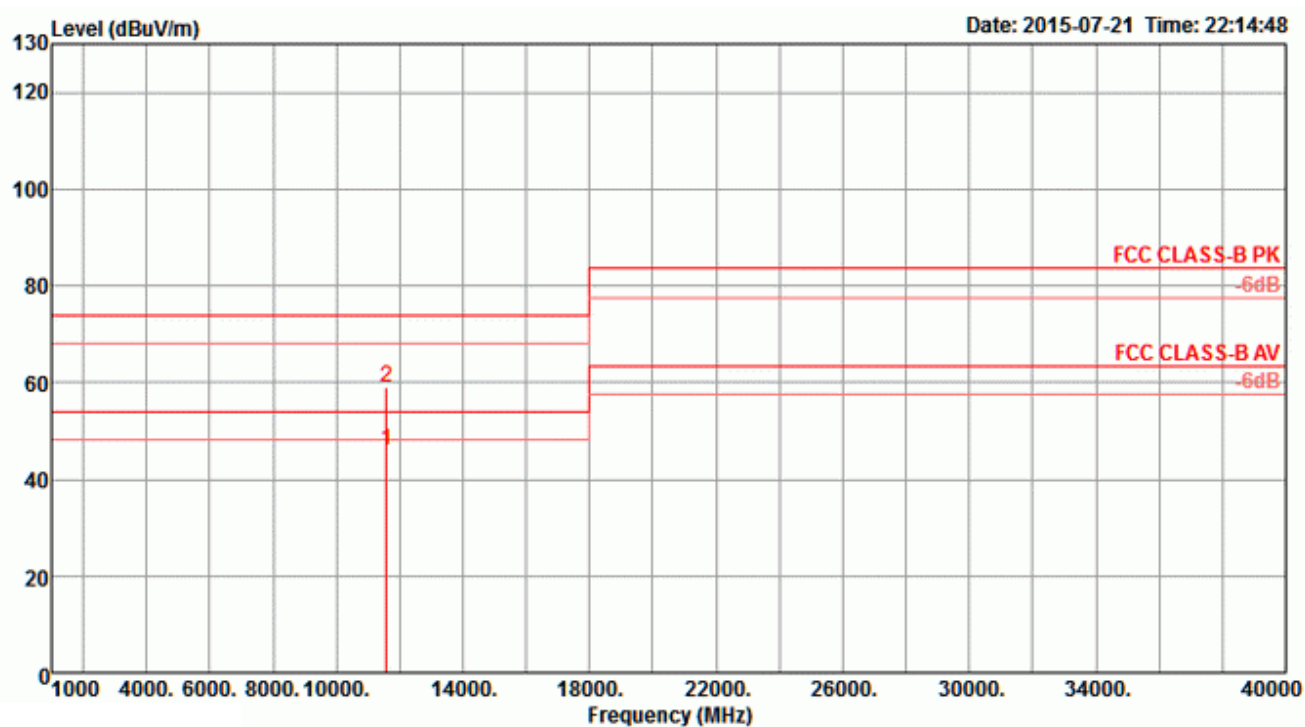
Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	11488.96	47.66	54.00	-6.34	37.05	6.53	38.70	34.62	3	150	Average	VERTICAL
2	11490.56	60.85	74.00	-13.15	50.24	6.53	38.70	34.62	3	150	Peak	VERTICAL

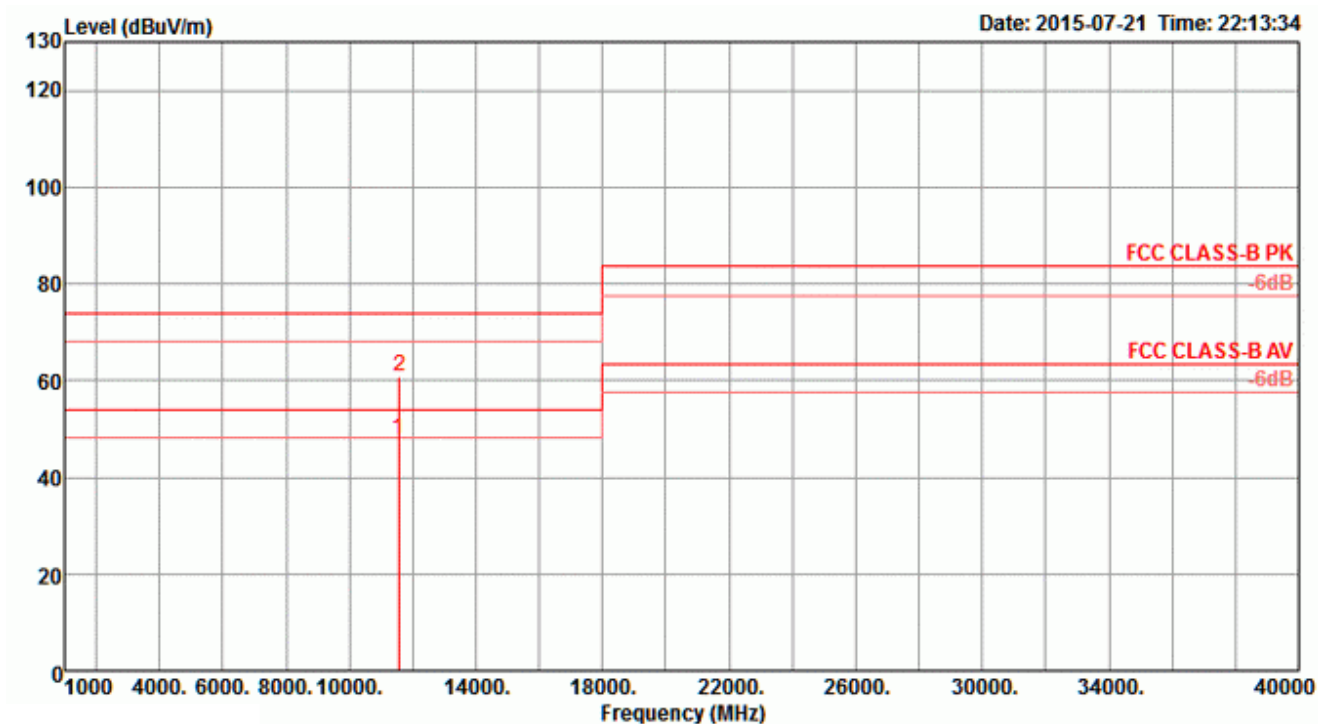
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 157 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	deg	cm	
1	11570.80	45.86	54.00	-8.14	35.25	6.55	38.71	34.65	286	152	Average
2	11584.10	58.96	74.00	-15.04	48.34	6.55	38.72	34.65	286	152	Peak

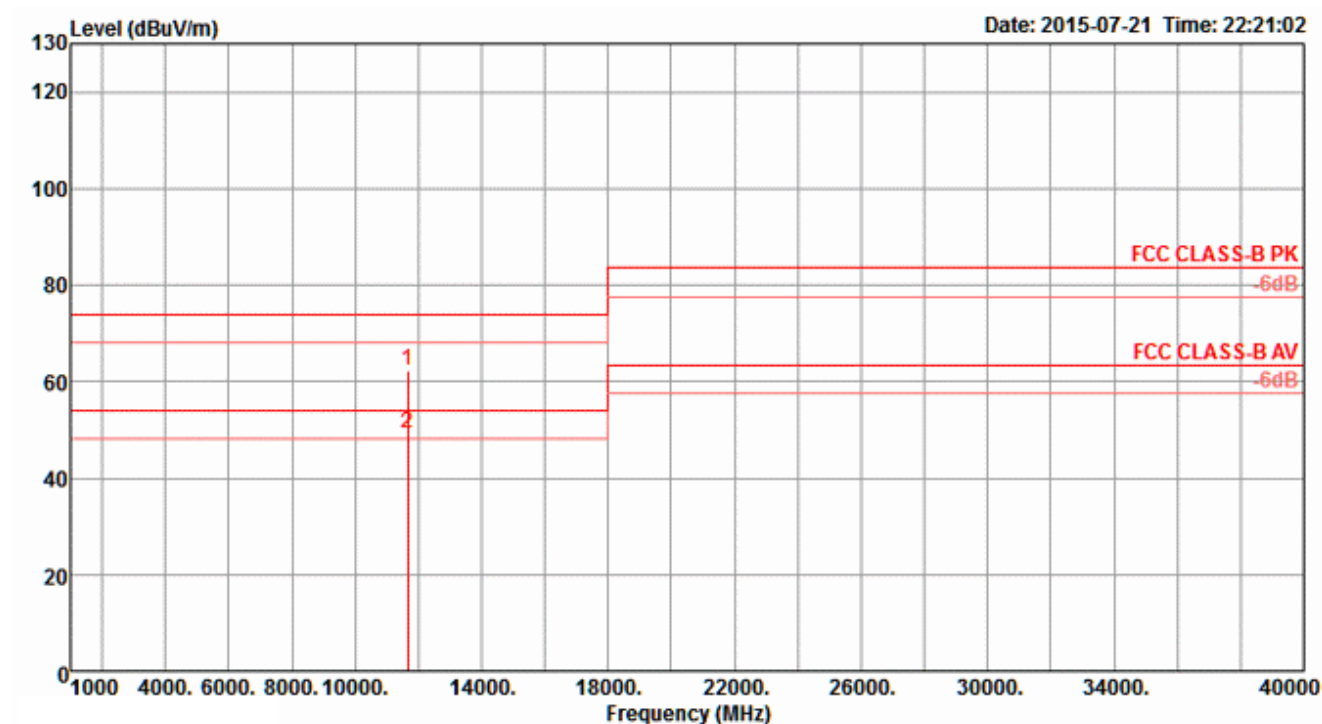
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11565.35	47.74	54.00	-6.26	37.12	6.55	38.71	34.64	360	151	Average
2	11567.60	60.98	74.00	-13.02	50.36	6.55	38.71	34.64	360	151	Peak

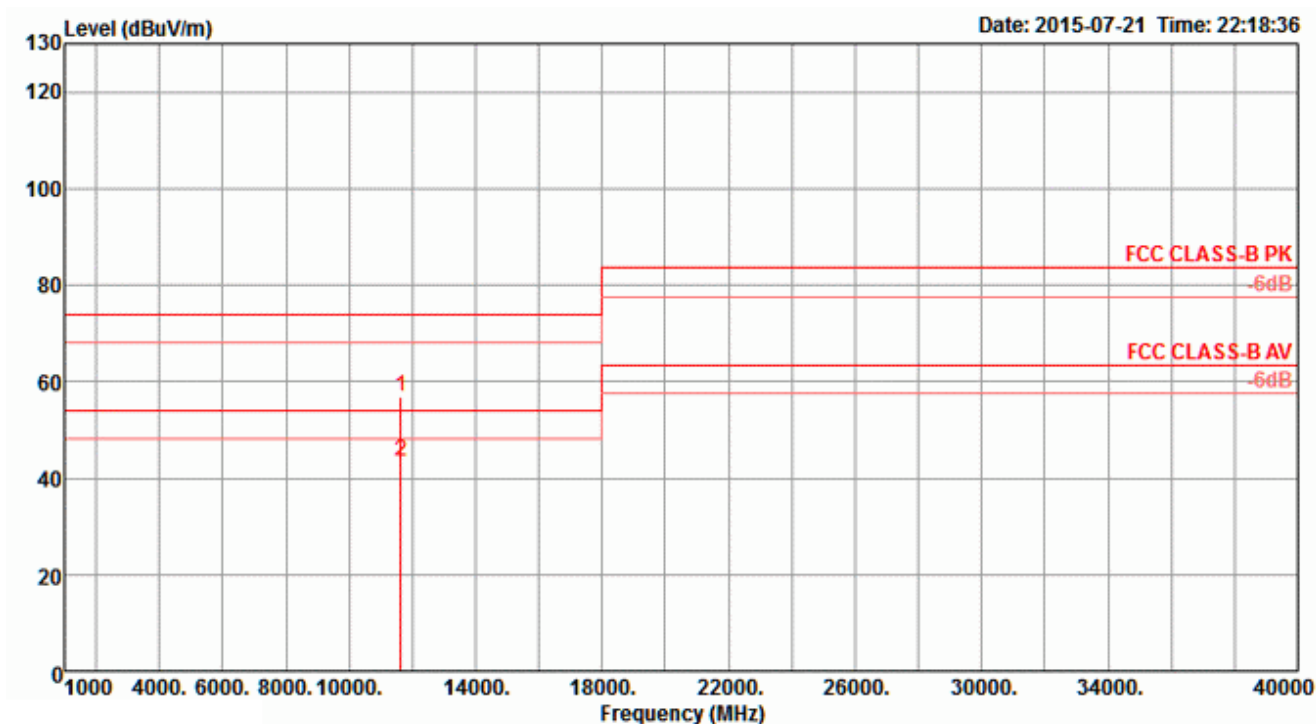
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT20 CH 165 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11650.64	62.17	74.00	-11.83	51.56	6.56	38.73	34.68	294	158	Peak
2	11652.96	49.08	54.00	-4.92	38.47	6.56	38.73	34.68	294	158	Average

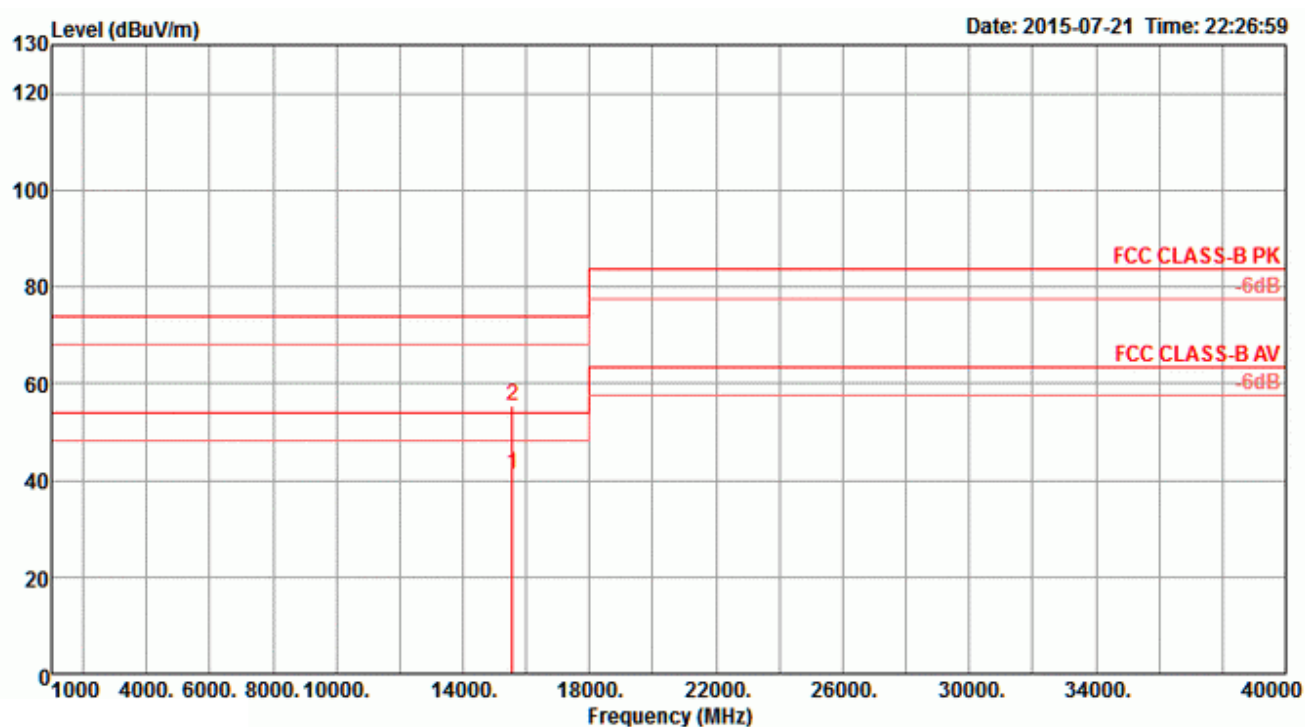
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11645.11	56.95	74.00	-17.05	46.33	6.56	38.73	34.67	190	158 Peak	VERTICAL
2	11647.28	43.53	54.00	-10.47	32.92	6.56	38.73	34.68	190	158 Average	VERTICAL

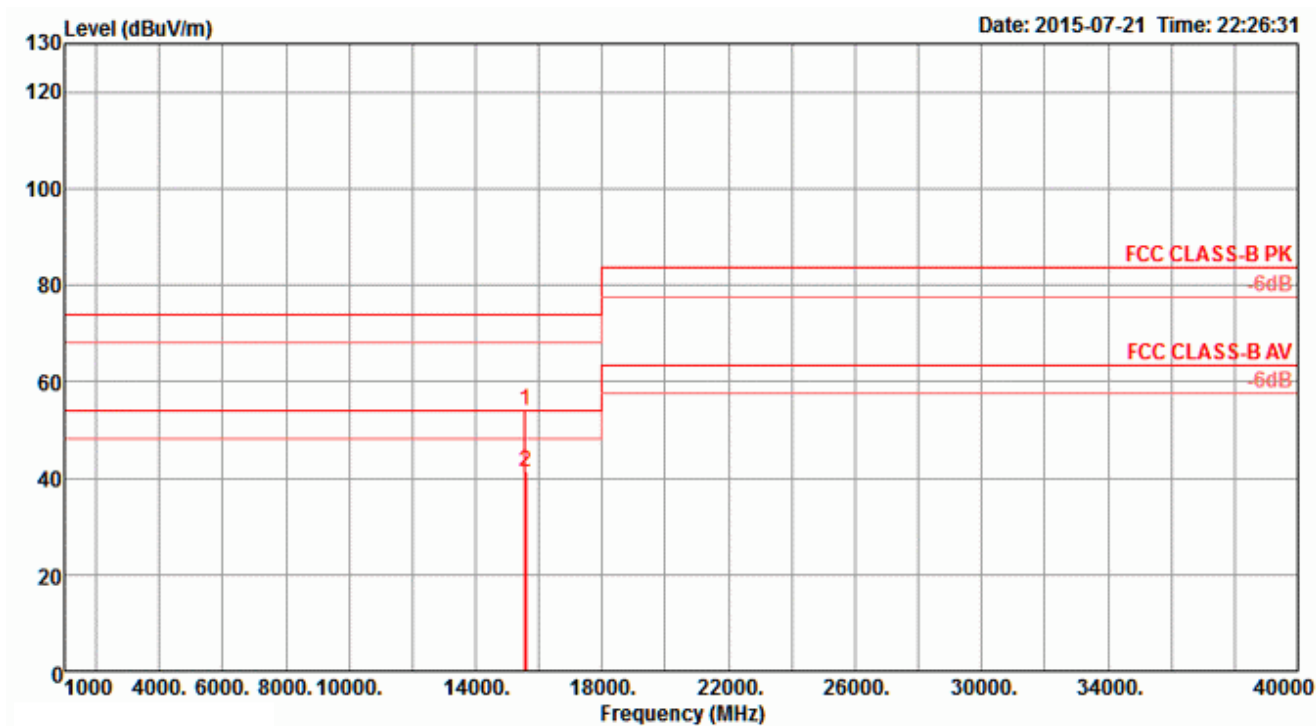
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 38 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15550.37	41.37	54.00	-12.63	30.26	7.56	38.19	34.64	304	150	Average	HORIZONTAL
2	15562.31	55.37	74.00	-18.63	44.22	7.57	38.22	34.64	304	150	Peak	HORIZONTAL

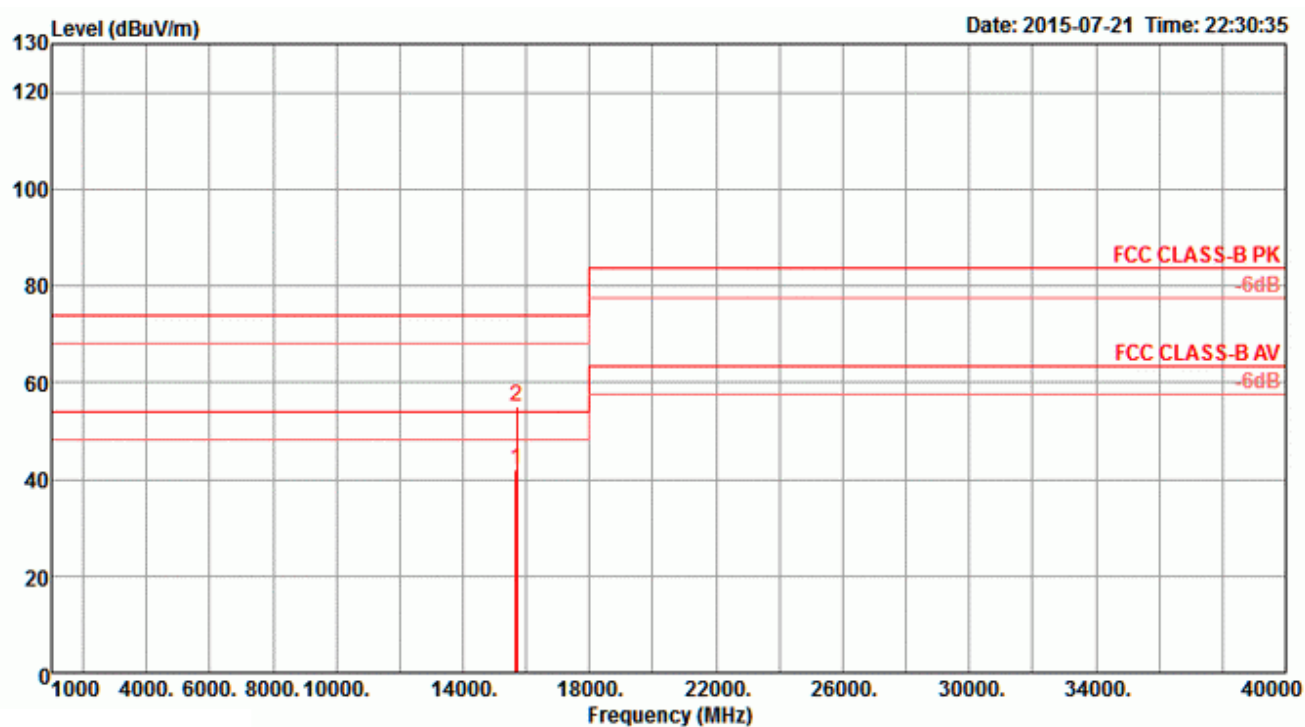
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15567.52	54.10	74.00	-19.90	42.95	7.57	38.22	34.64	297	151	Peak
2	15585.30	41.26	54.00	-12.74	30.10	7.57	38.26	34.67	297	151	Average

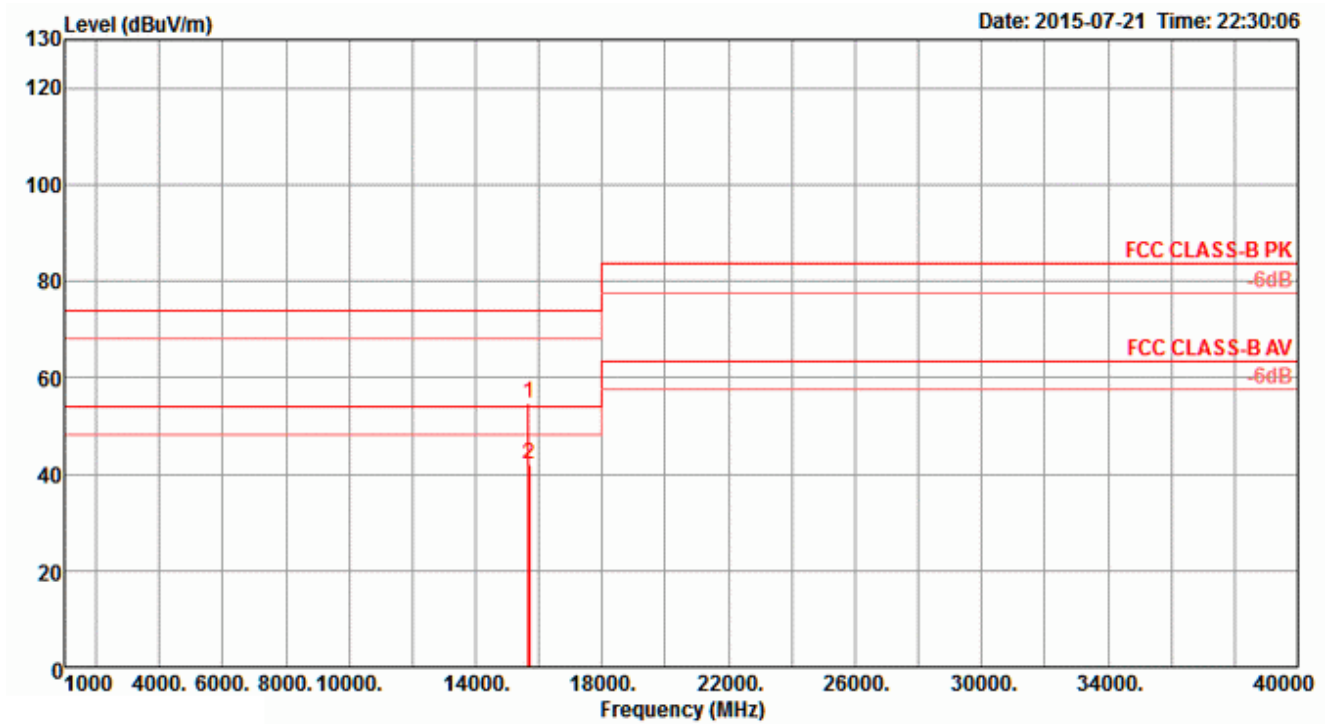
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 46 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15683.67	42.02	54.00	-11.98	30.72	7.61	38.44	34.75	251	151	Average
2	15689.84	54.99	74.00	-19.01	43.69	7.61	38.44	34.75	251	151	Peak

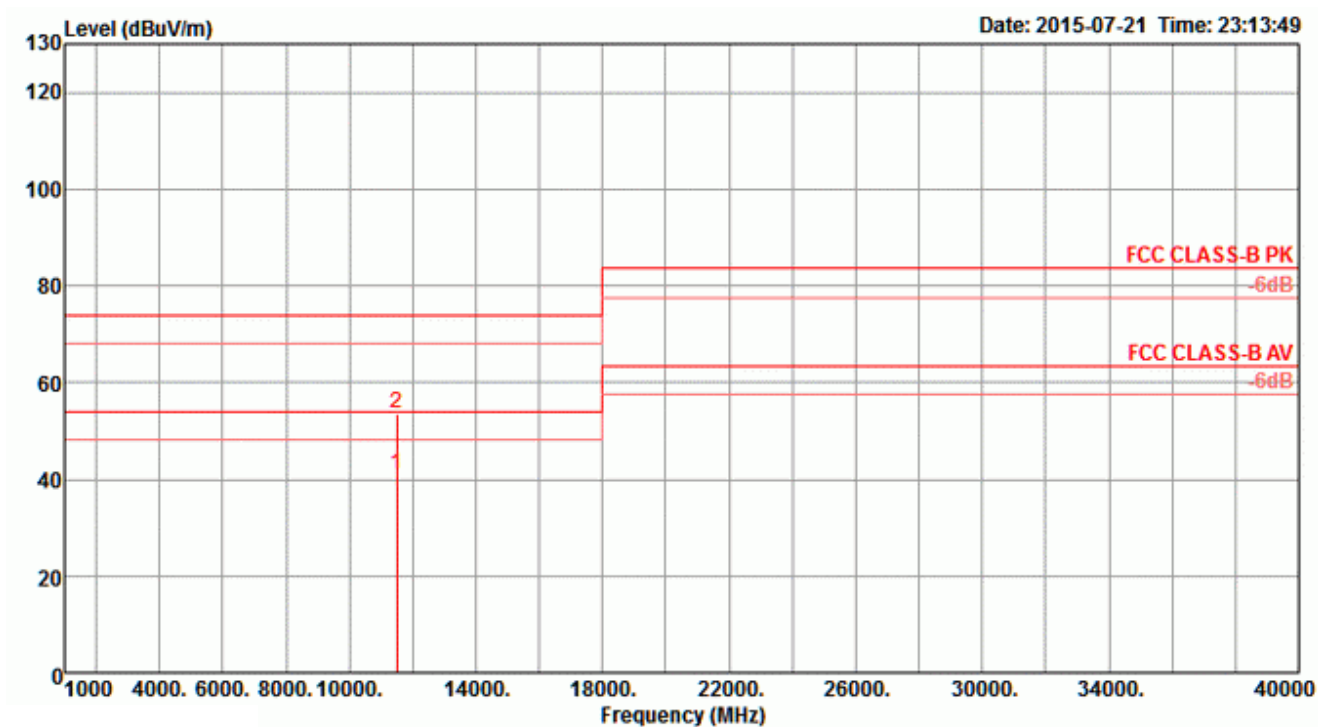
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15665.56	54.82	74.00	-19.18	43.54	7.60	38.41	34.73	253	152	Peak
2	15694.25	41.83	54.00	-12.17	30.53	7.61	38.44	34.75	253	152	Average

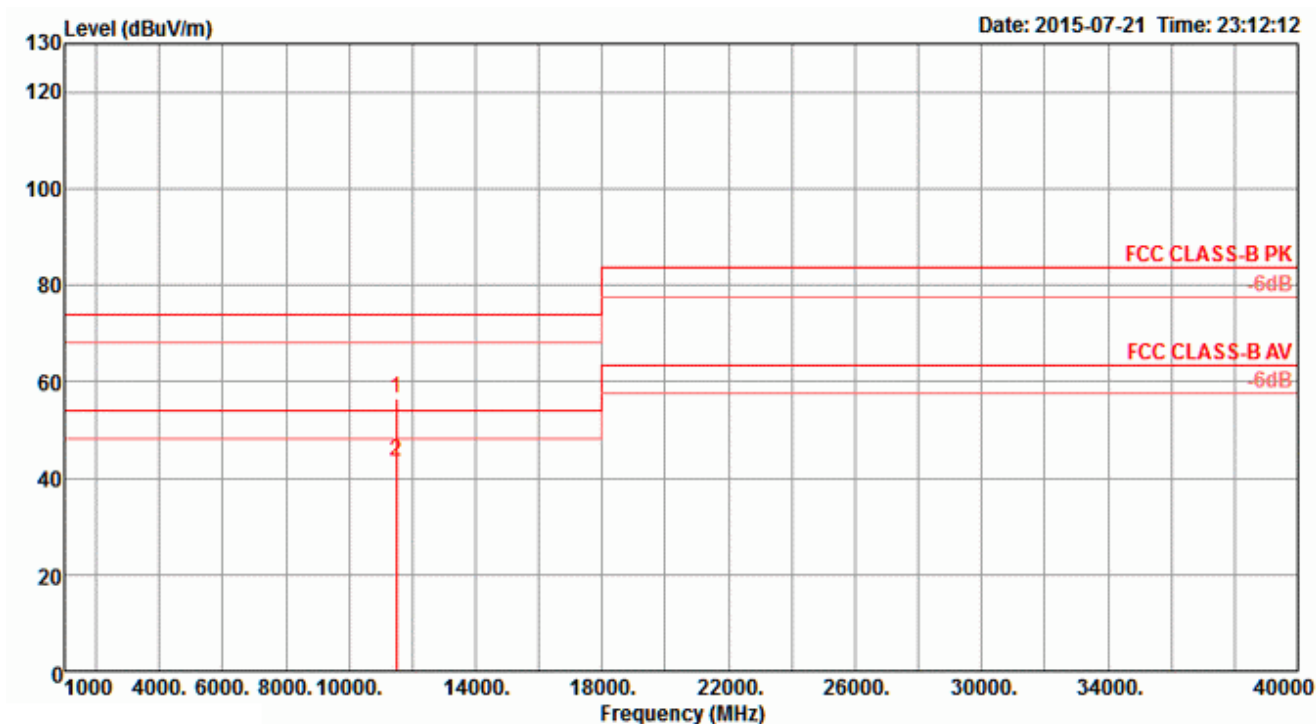
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 151 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm	
1	11485.64	40.90	54.00	-13.10	30.29	6.53	38.70	34.62	211	167 Average	HORIZONTAL
2	11492.45	53.60	74.00	-20.40	42.99	6.53	38.70	34.62	211	167 Peak	HORIZONTAL

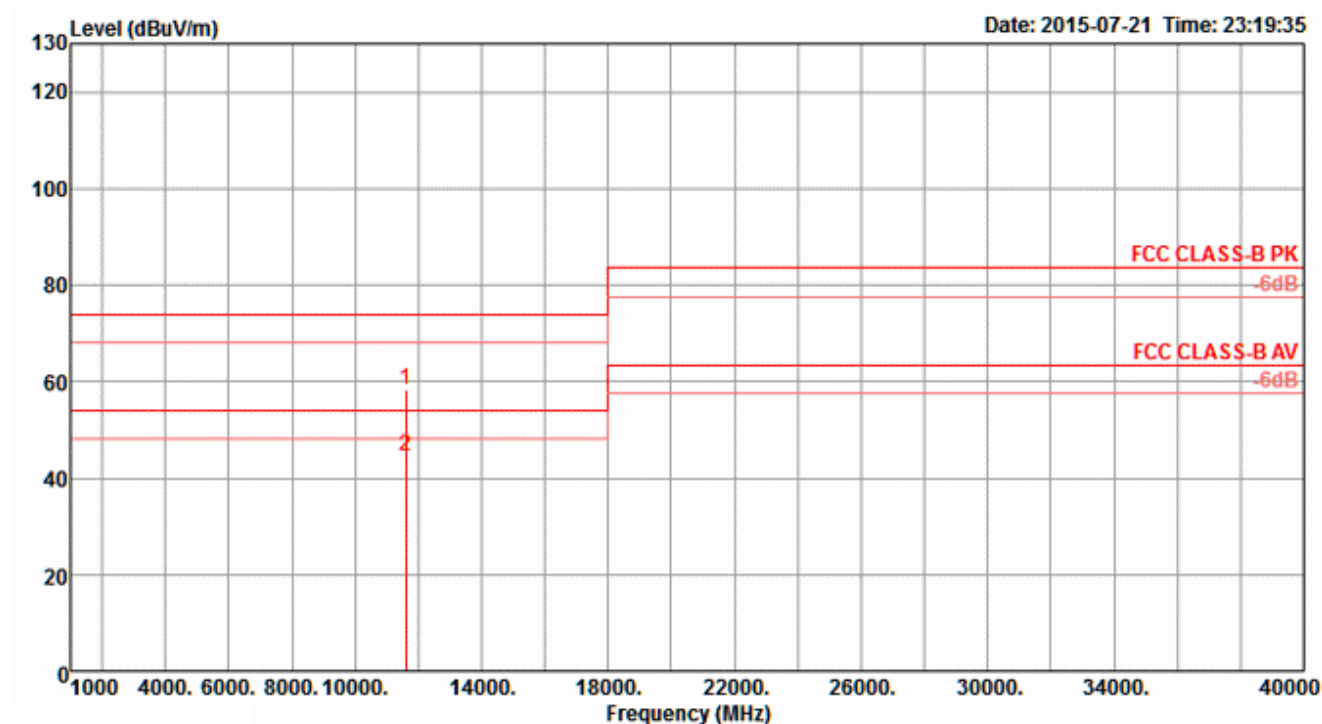
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11503.19	56.53	74.00	-17.47	45.91	6.54	38.70	34.62	355	167 Peak	VERTICAL
2	11503.59	43.57	54.00	-10.43	32.95	6.54	38.70	34.62	355	167 Average	VERTICAL

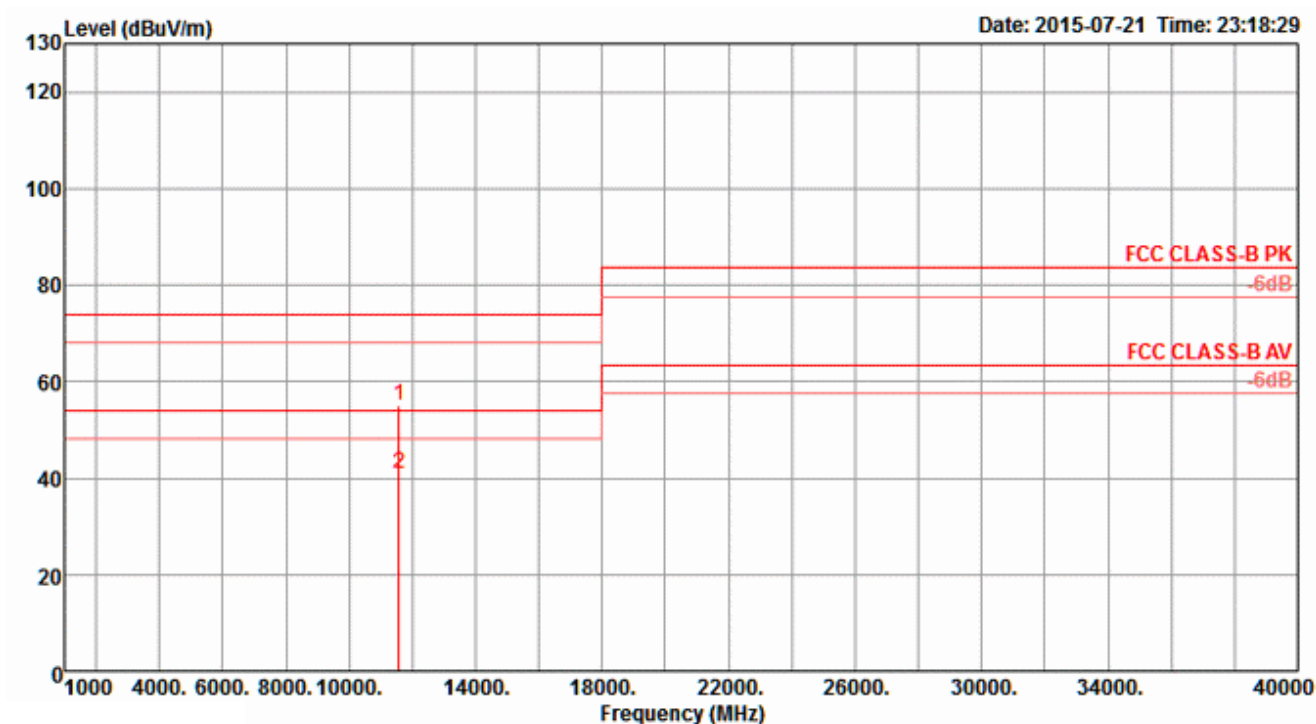
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT40 CH 159 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11599.62	58.37	74.00	-15.63	47.76	6.55	38.72	34.66	282	150 Peak	HORIZONTAL
2	11602.02	44.72	54.00	-9.28	34.11	6.55	38.72	34.66	282	150 Average	HORIZONTAL

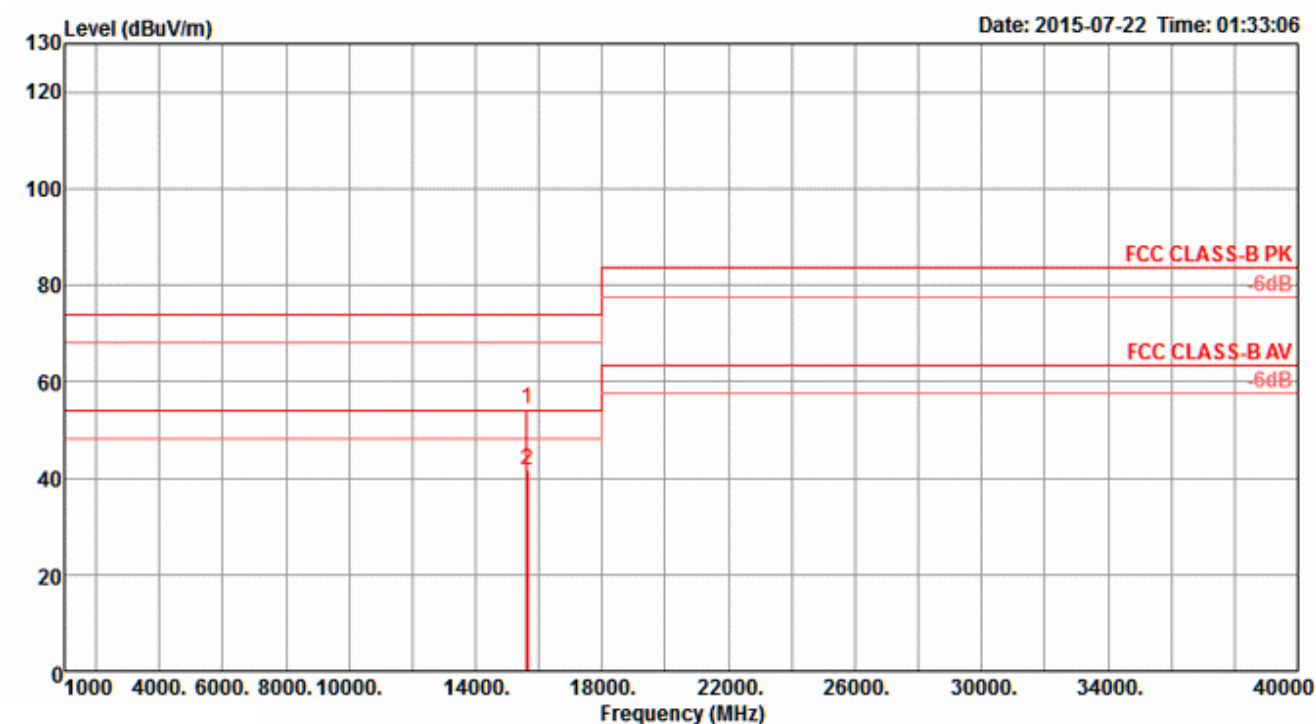
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11572.45	55.03	74.00	-18.97	44.42	6.55	38.71	34.65	329	150 Peak	VERTICAL
2	11581.99	40.90	54.00	-13.10	30.29	6.55	38.71	34.65	329	150 Average	VERTICAL

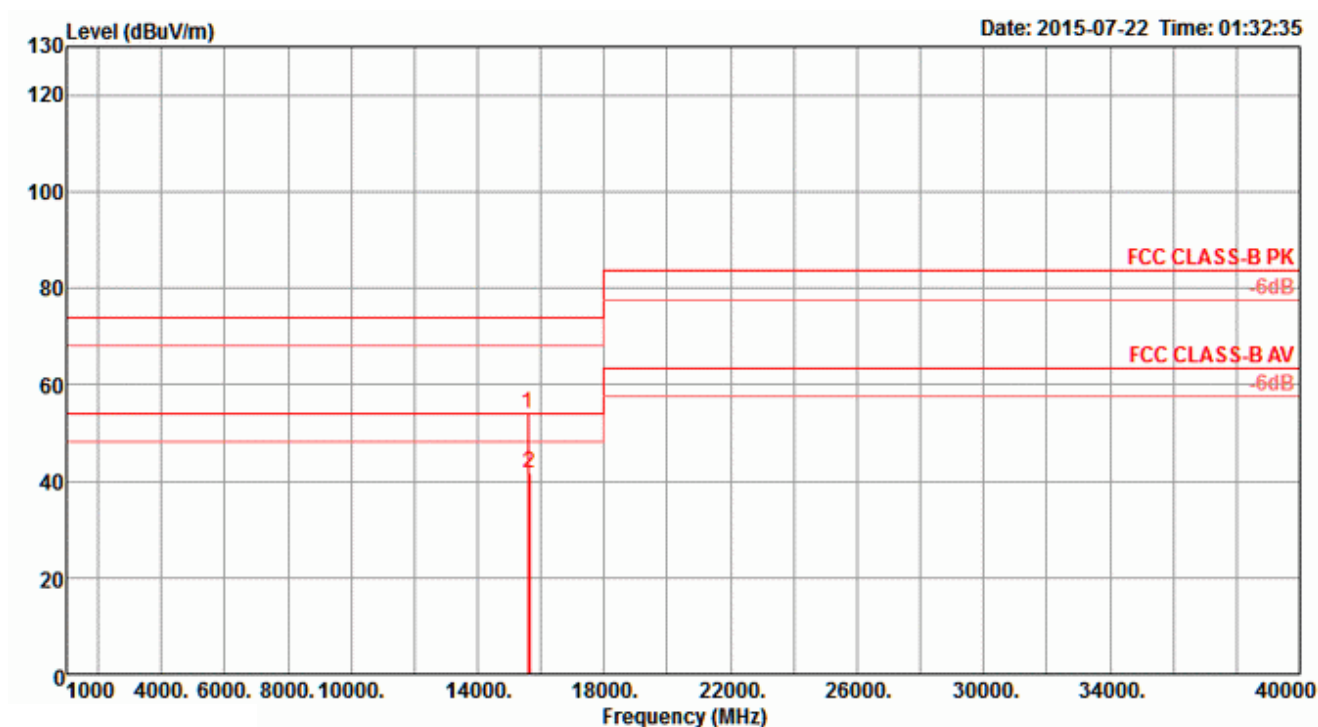
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 42 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15622.56	54.23	74.00	-19.77	43.01	7.59	38.32	34.69	283	152	Peak
2	15651.79	41.72	54.00	-12.28	30.47	7.60	38.38	34.73	283	152	Average

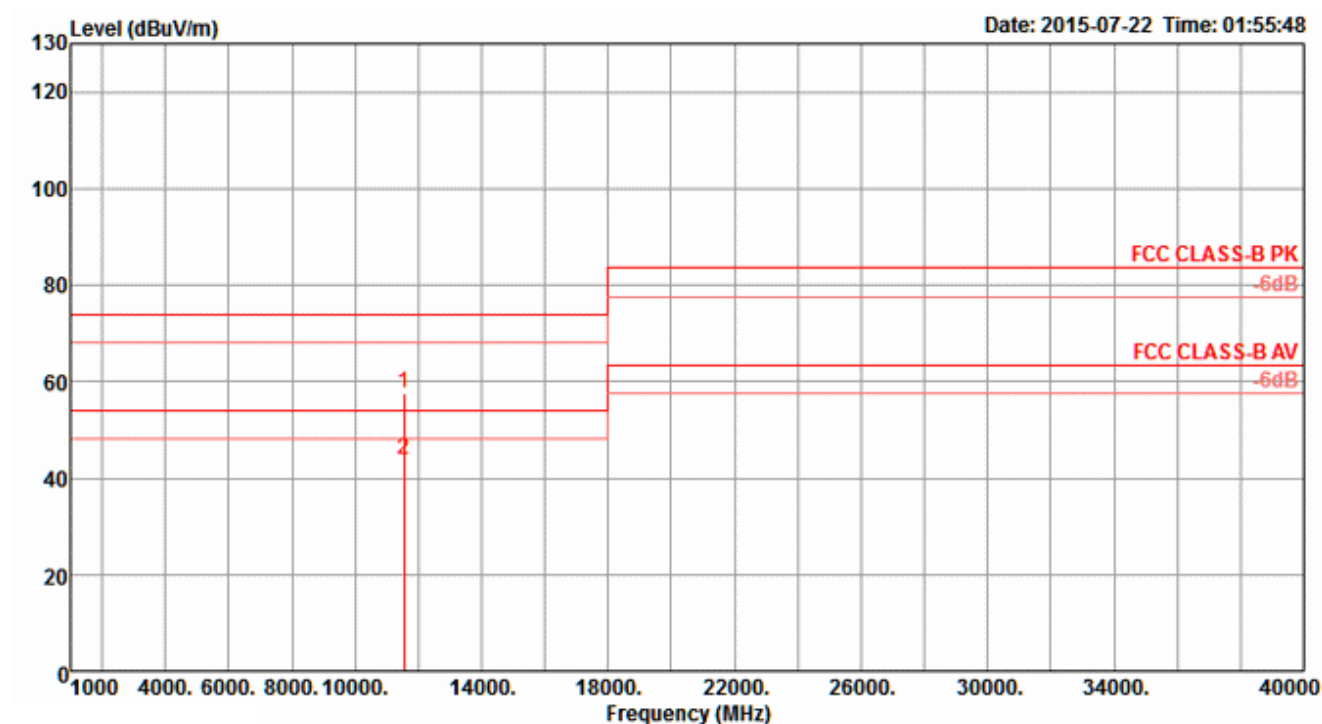
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15591.67	53.93	74.00	-20.07	42.77	7.57	38.26	34.67	285	151	Peak
2	15647.69	41.53	54.00	-12.47	30.26	7.60	38.38	34.71	285	151	Average

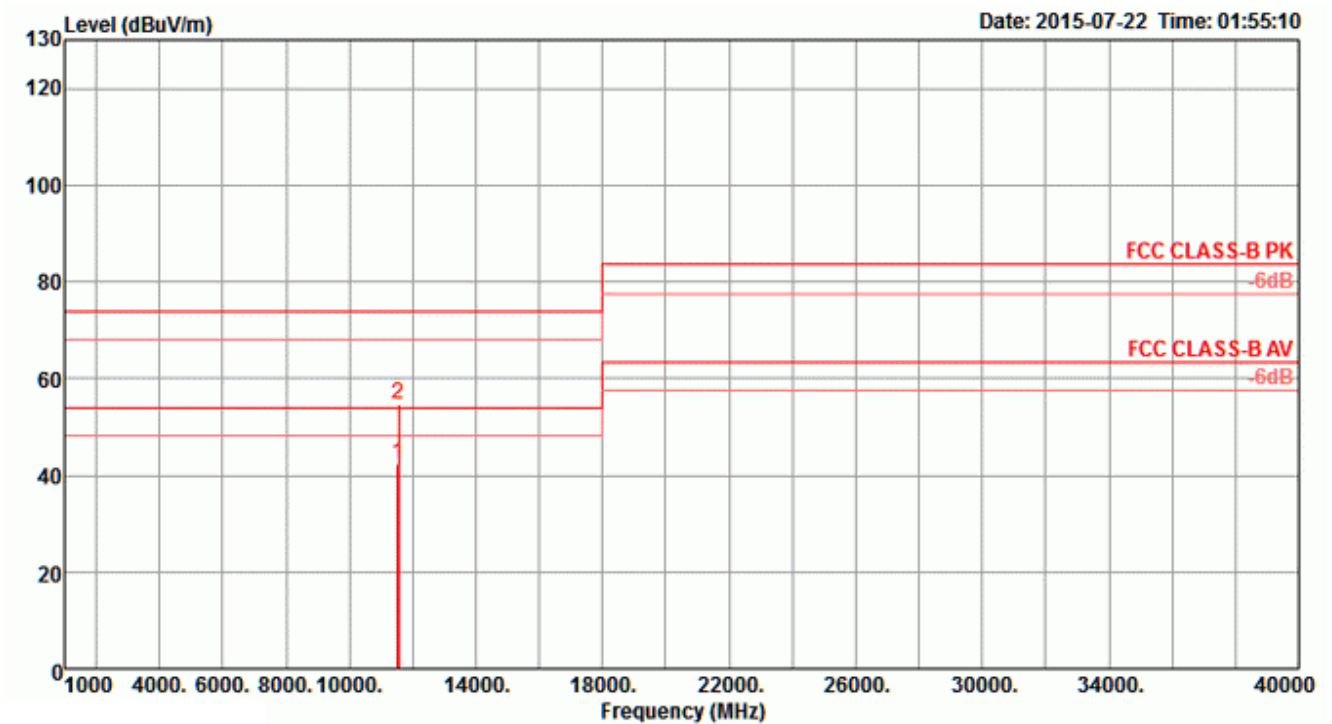
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss2 VHT80 CH 155 / Chain 4 + Chain 5 + Chain 6

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11555.77	57.40	74.00	-16.60	46.78	6.55	38.71	34.64	317	154	Peak
2	11556.49	43.99	54.00	-10.01	33.37	6.55	38.71	34.64	317	154	Average

Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	11531.65	42.49	54.00	-11.51	31.87	6.54	38.71	34.63	332	155 Average	VERTICAL
2	11554.01	54.75	74.00	-19.25	44.13	6.55	38.71	34.64	332	155 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.

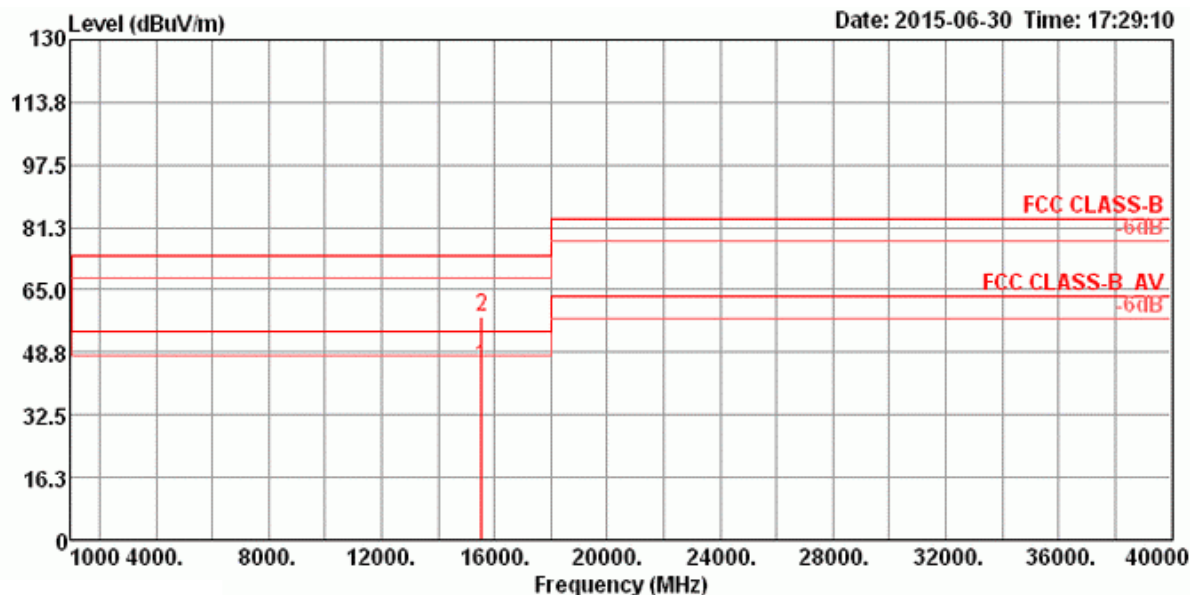
Emission level (dBuV/m) = 20 log Emission level (uV/m).

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

<For Radio 3>

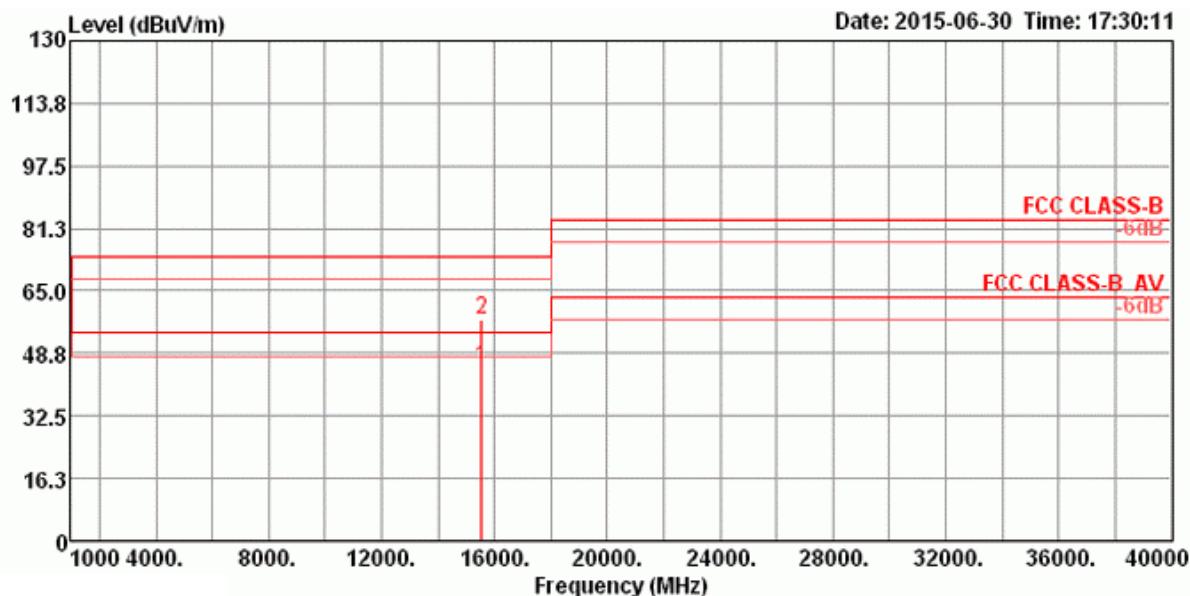
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 36 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15536.23	44.89	54.00	-9.11	27.87	12.58	38.14	33.70	Average	132	166 HORIZONTAL
2	15537.28	57.88	74.00	-16.12	40.86	12.58	38.14	33.70	Peak	132	166 HORIZONTAL

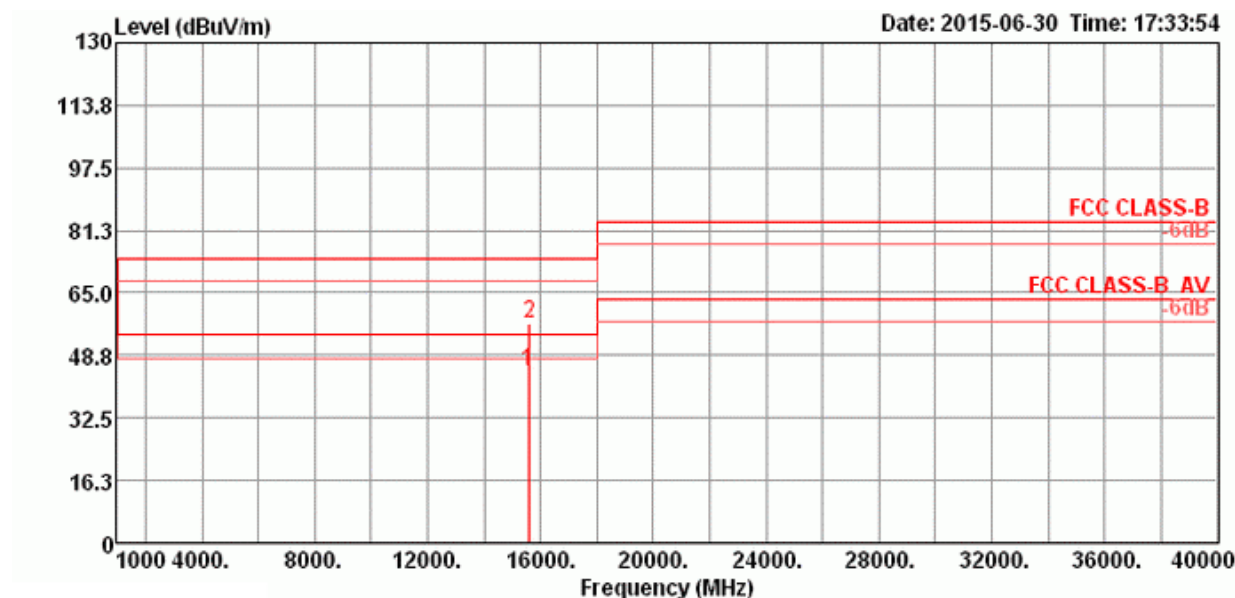
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15539.55	44.96	54.00	-9.04	27.94	12.58	38.14	33.70	Average	155	216 VERTICAL
2	15540.50	57.57	74.00	-16.43	40.55	12.58	38.14	33.70	Peak	155	216 VERTICAL

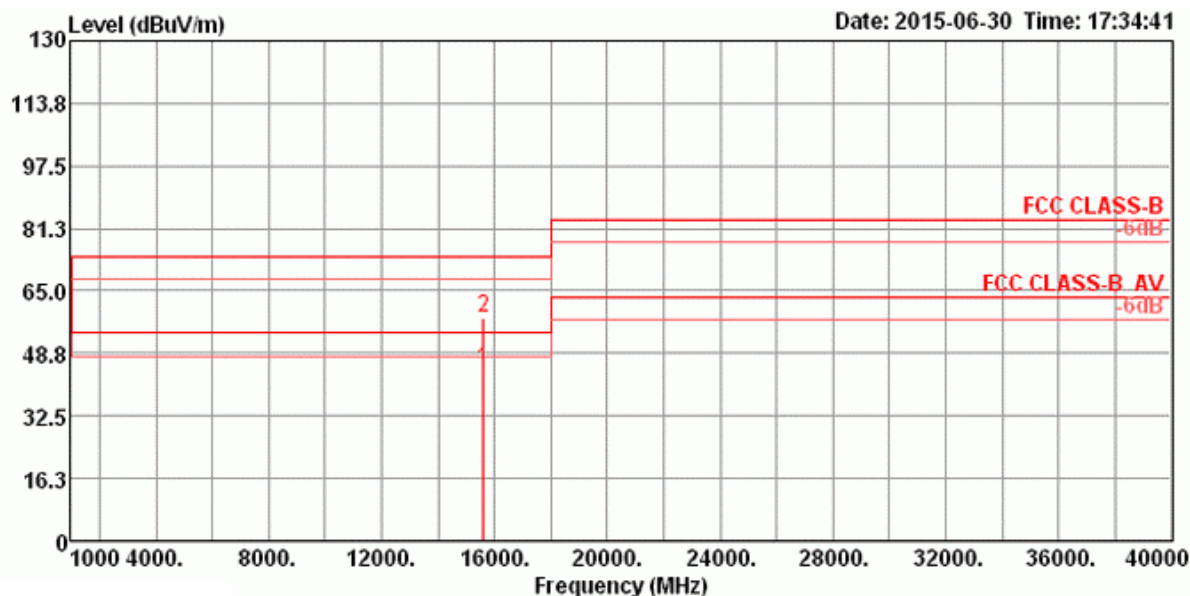
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 40 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15598.29	44.77	54.00	-9.23	27.91	12.58	38.03	33.75	Average	198	176 HORIZONTAL
2	15600.69	57.21	74.00	-16.79	40.38	12.58	38.03	33.78	Peak	198	176 HORIZONTAL

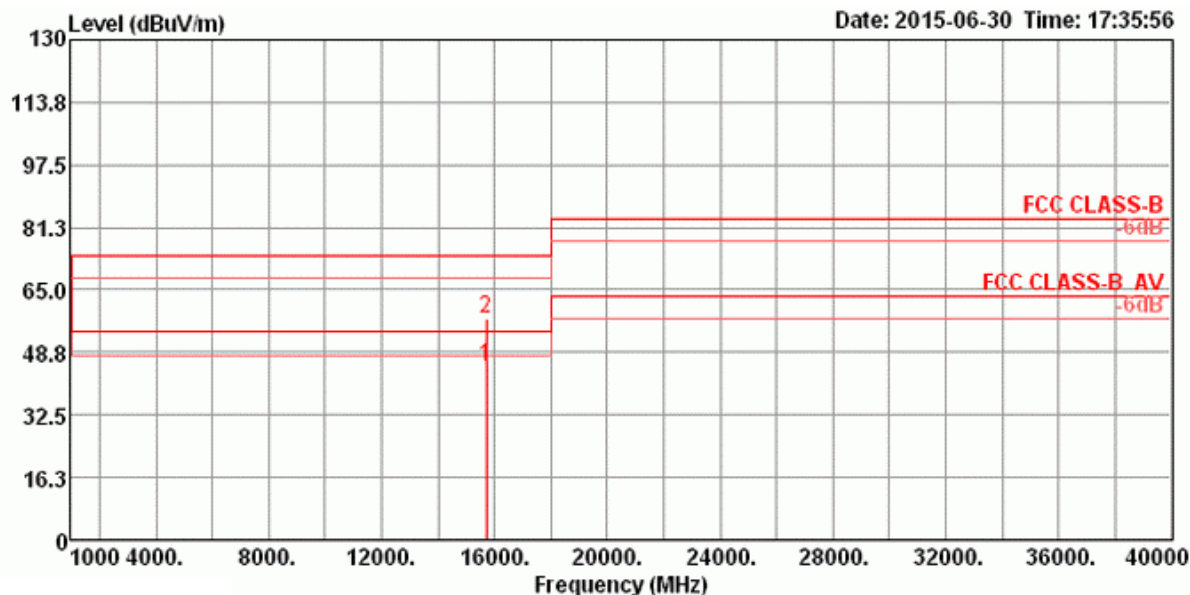
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15599.02	44.45	54.00	-9.55	27.62	12.58	38.03	33.78	Average	160	227
2	15600.79	58.28	74.00	-15.72	41.45	12.58	38.03	33.78	Peak	160	227

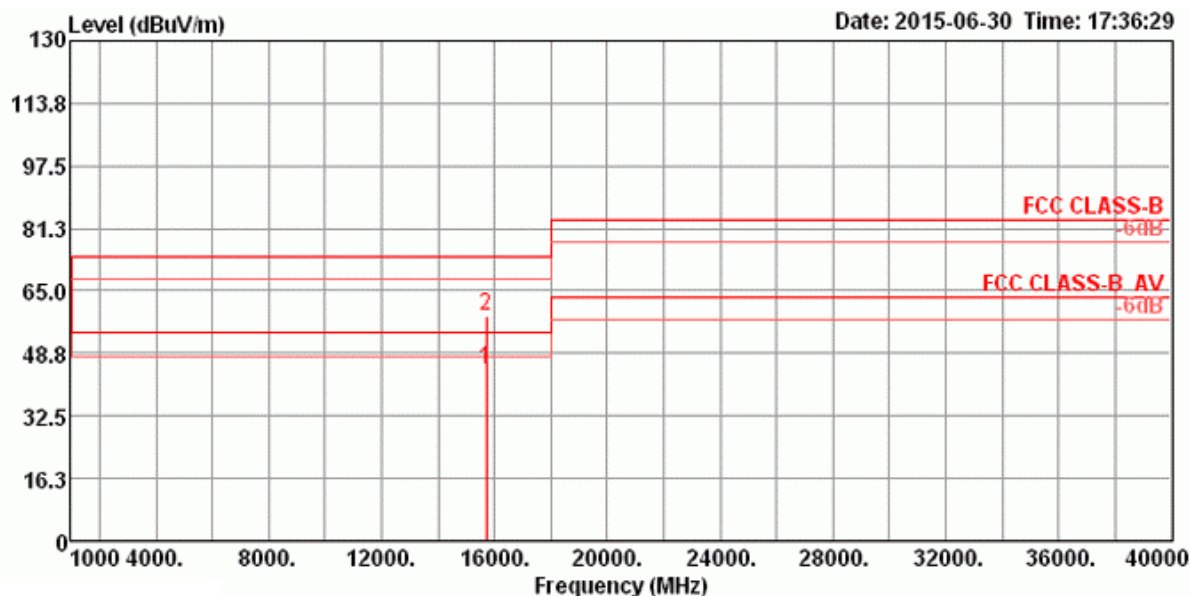
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 48 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15716.36	44.86	54.00	-9.14	28.33	12.57	37.84	33.88	Average	180	137 HORIZONTAL
2	15717.26	57.34	74.00	-16.66	40.81	12.57	37.84	33.88	Peak	180	137 HORIZONTAL

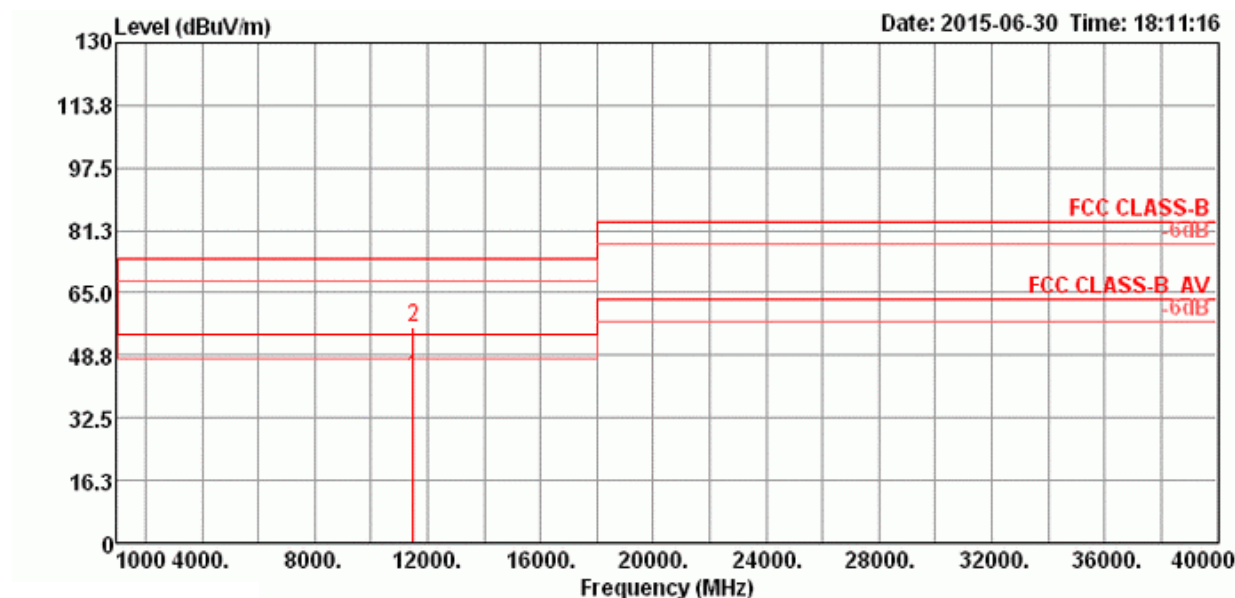
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15717.08	44.83	54.00	-9.17	28.30	12.57	37.84	33.88	Average	149	187
2	15724.44	58.57	74.00	-15.43	42.04	12.57	37.84	33.88	Peak	149	187

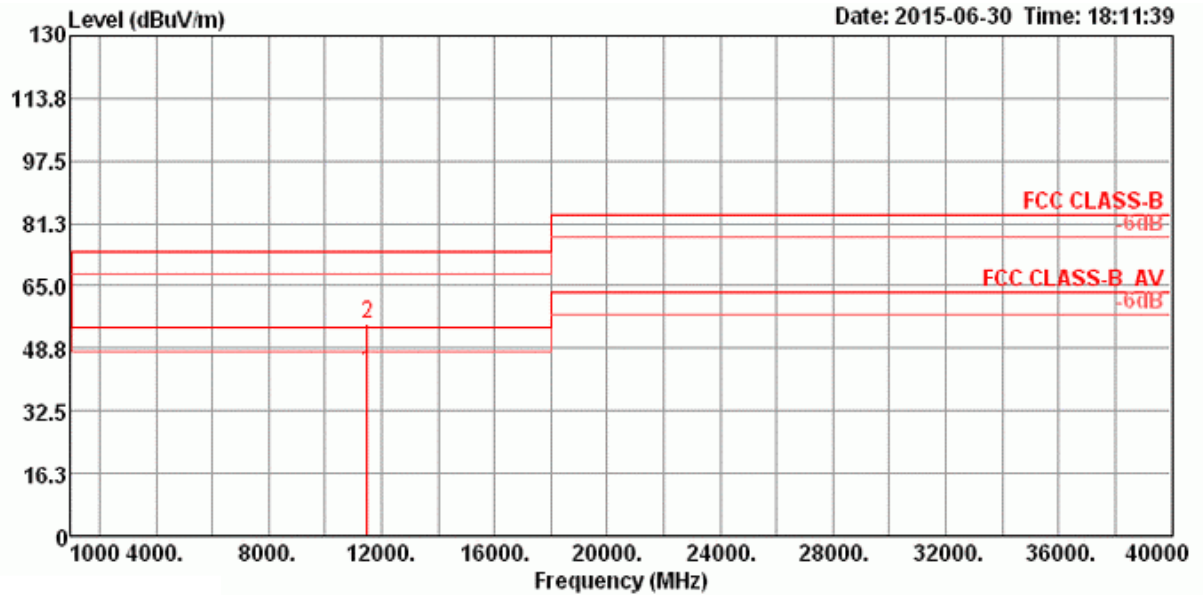
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 149 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11487.48	43.13	54.00	-10.87	26.91	10.71	38.88	33.37	170	194	HORIZONTAL
2	11492.98	56.36	74.00	-17.64	40.14	10.71	38.88	33.37	170	194	HORIZONTAL

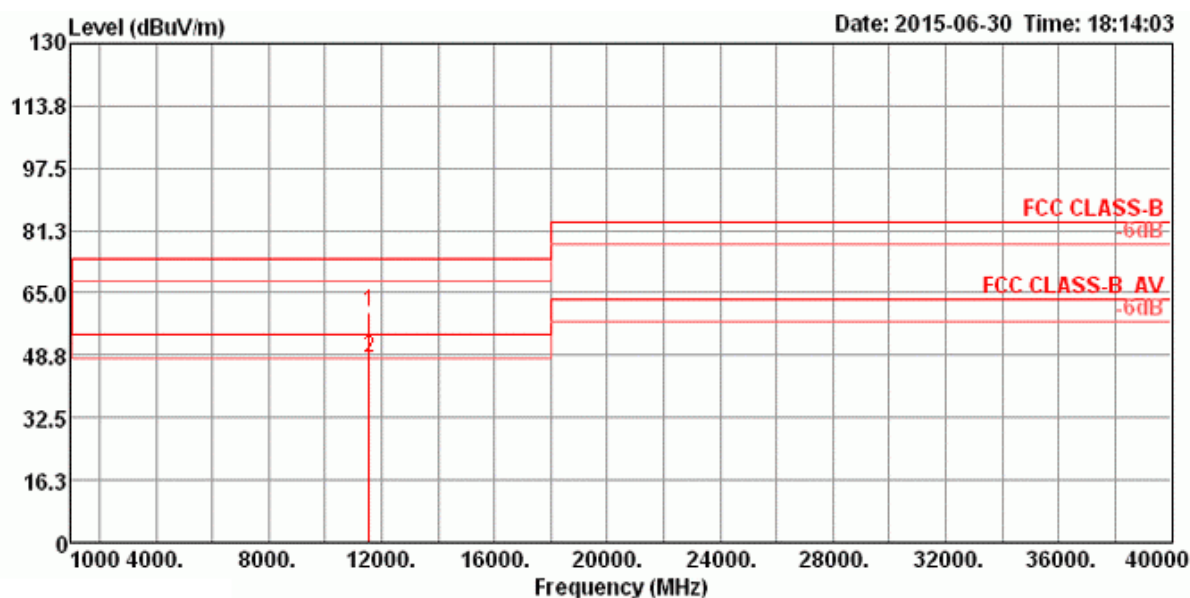
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			
1	11485.42	42.88	54.00	-11.12	26.66	10.71	38.88	33.37	Average	130	236 VERTICAL
2	11487.18	55.22	74.00	-18.78	39.00	10.71	38.88	33.37	Peak	130	236 VERTICAL

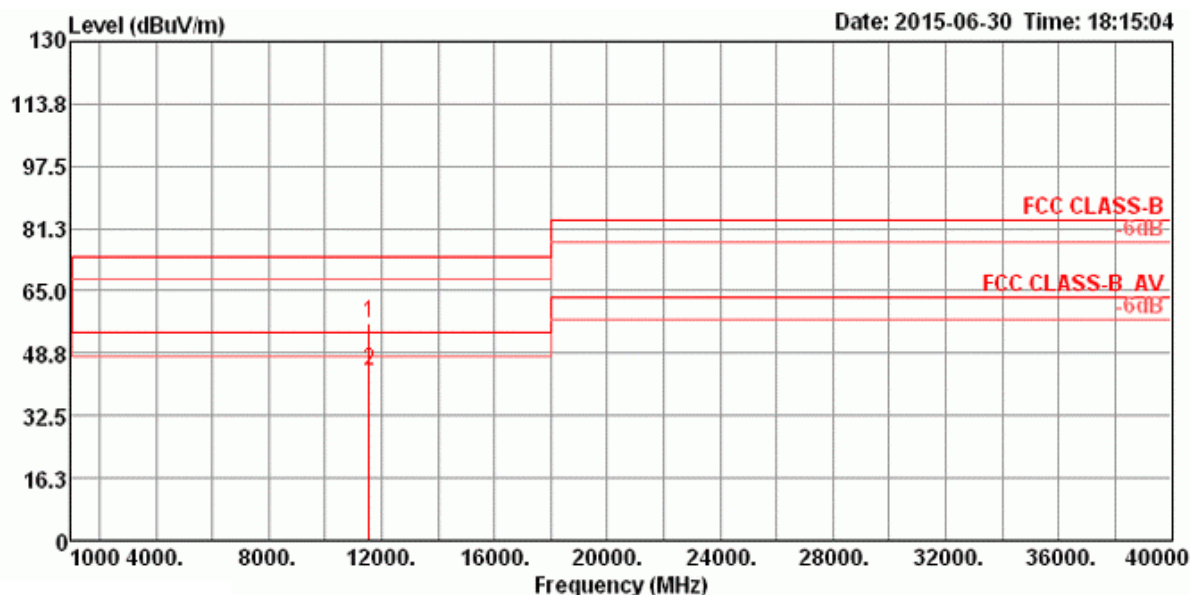
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 157 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11569.63	60.13	74.00	-13.87	43.82	10.75	38.94	33.38	Peak	125	46 HORIZONTAL
2	11570.16	47.75	54.00	-6.25	31.44	10.76	38.94	33.39	Average	125	46 HORIZONTAL

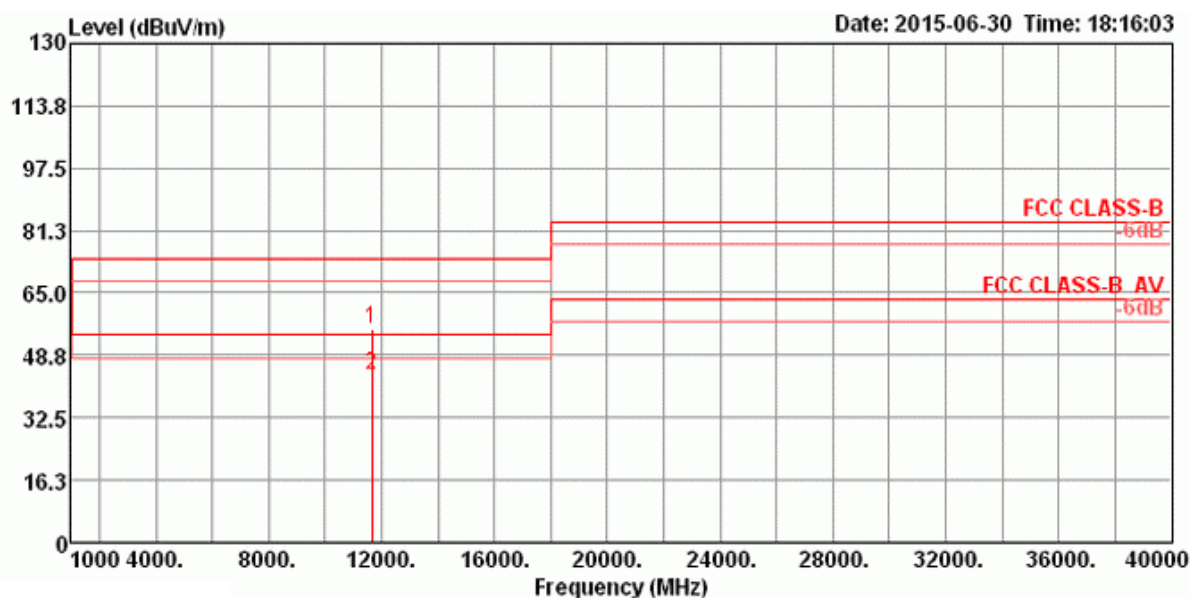
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	11570.99	56.67	74.00	-17.33	40.36	10.76	38.94	33.39	Peak	157	257
2	11571.81	44.32	54.00	-9.68	28.01	10.76	38.94	33.39	Average	157	257

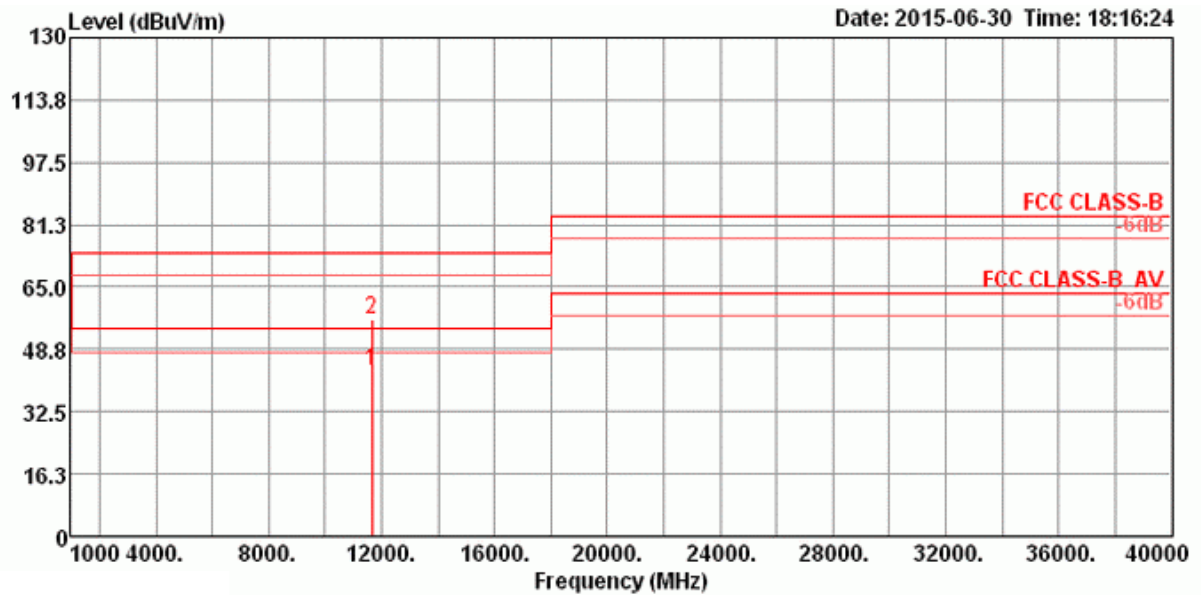
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11a CH 165 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
						dB	dB/m	dB			Pol/Phase
1	11647.79	55.58	74.00	-18.42	39.20	10.81	38.98	33.41	Peak	177	323 HORIZONTAL
2	11650.56	43.67	54.00	-10.33	27.28	10.81	38.99	33.41	Average	177	323 HORIZONTAL

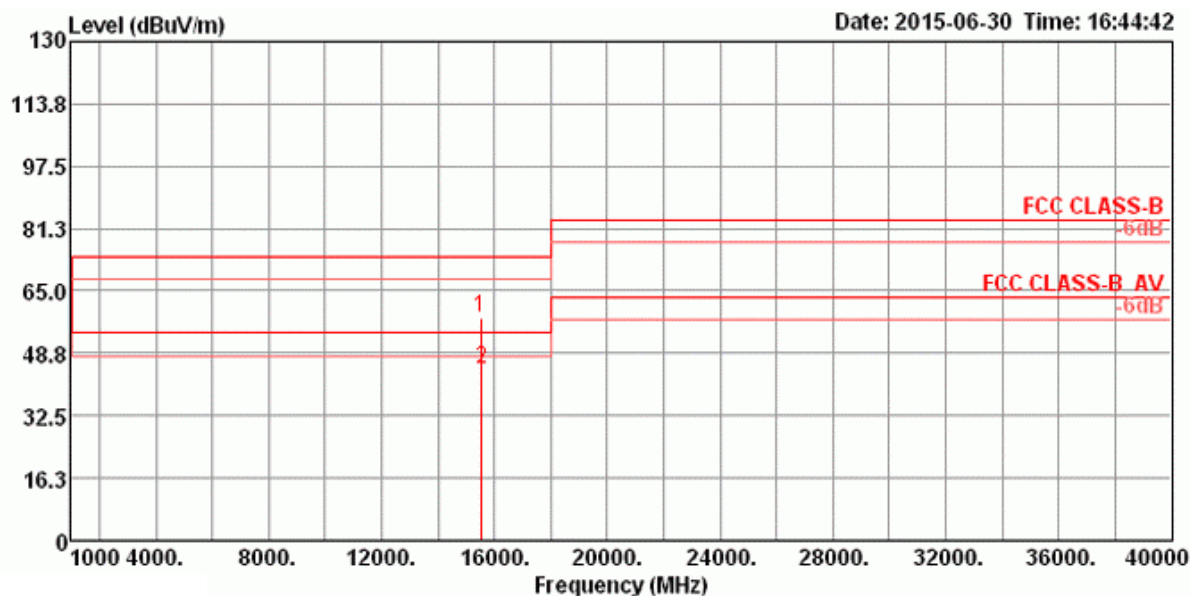
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11649.68	43.20	54.00	-10.80	26.82	10.81	38.98	33.41	Average	129	253
2	11651.94	56.68	74.00	-17.32	40.29	10.81	38.99	33.41	Peak	129	253

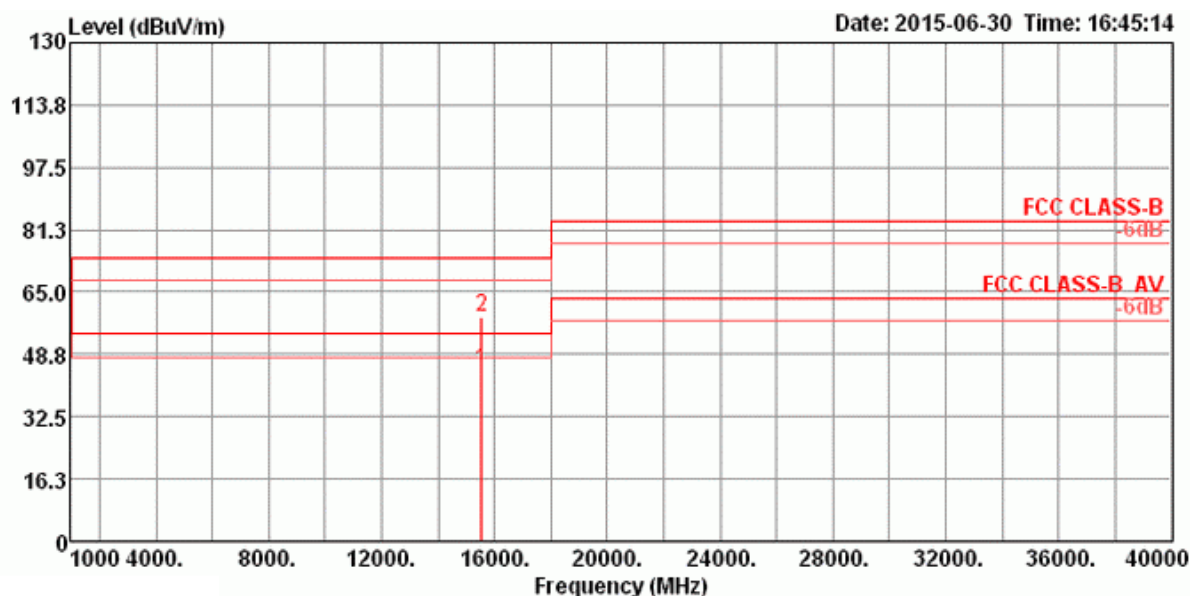
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15531.54	58.18	74.00	-15.82	41.16	12.58	38.14	33.70	Peak	167	42
2	15546.63	44.57	54.00	-9.43	27.57	12.58	38.12	33.70	Average	167	42

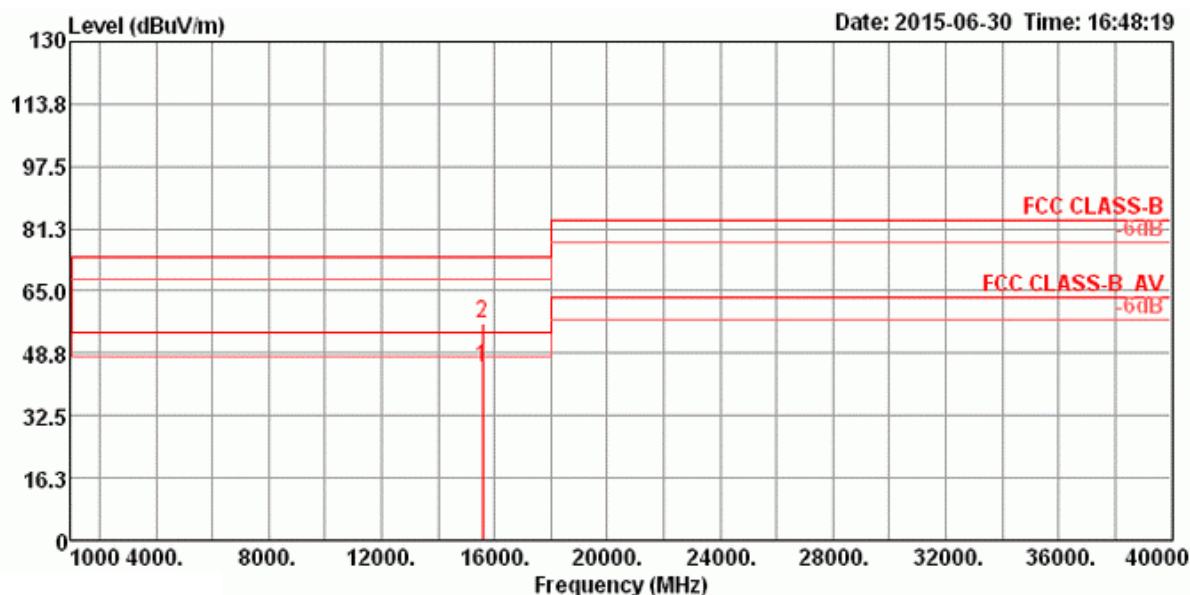
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15537.02	44.72	54.00	-9.28	27.70	12.58	38.14	33.70	Average	147	166 VERTICAL
2	15541.79	58.64	74.00	-15.36	41.62	12.58	38.14	33.70	Peak	147	166 VERTICAL

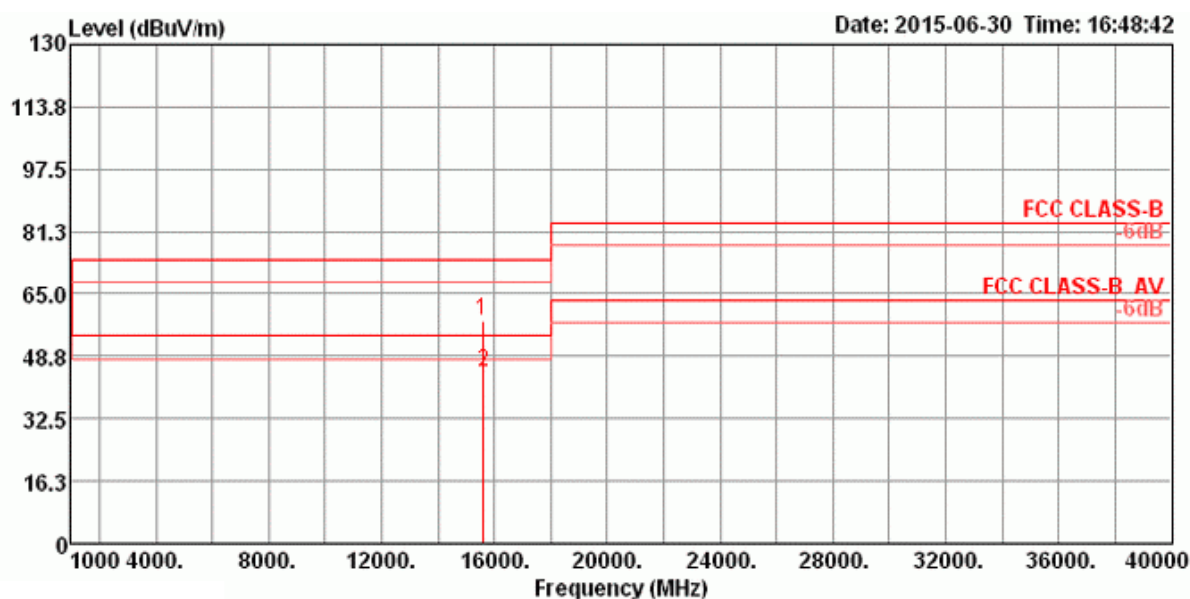
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15591.99	45.06	54.00	-8.94	28.17	12.58	38.06	33.75 Average	179	255	HORIZONTAL
2	15595.48	56.73	74.00	-17.27	39.87	12.58	38.03	33.75 Peak	179	255	HORIZONTAL

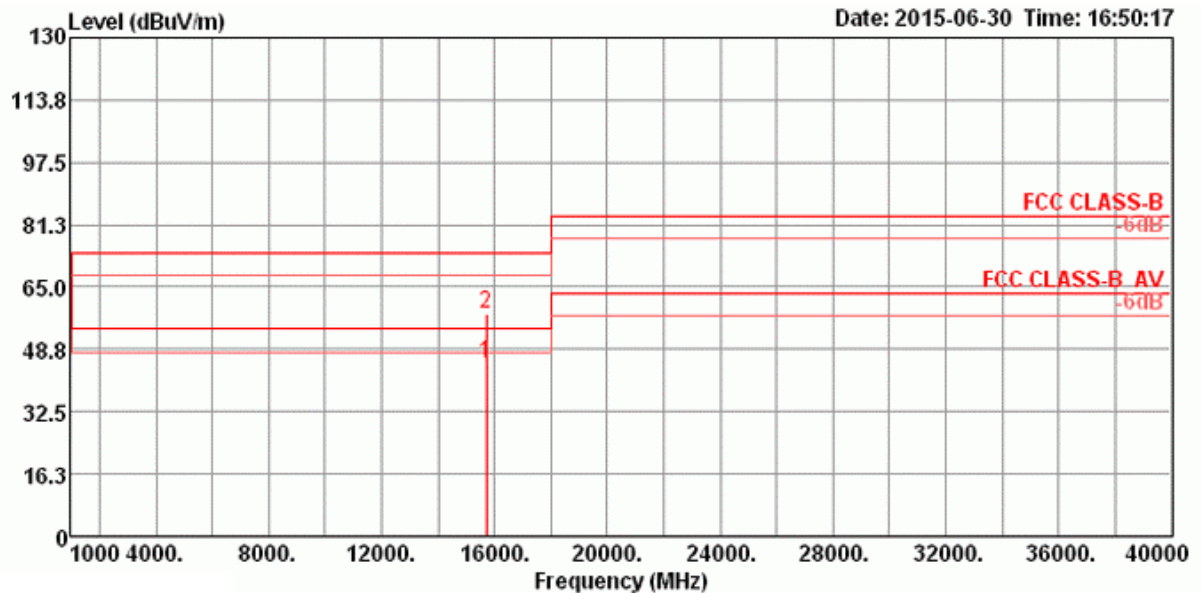
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15597.15	58.07	74.00	-15.93	41.21	12.58	38.03	33.75	Peak	159	215 VERTICAL
2	15602.69	44.51	54.00	-9.49	27.68	12.58	38.03	33.78	Average	159	215 VERTICAL

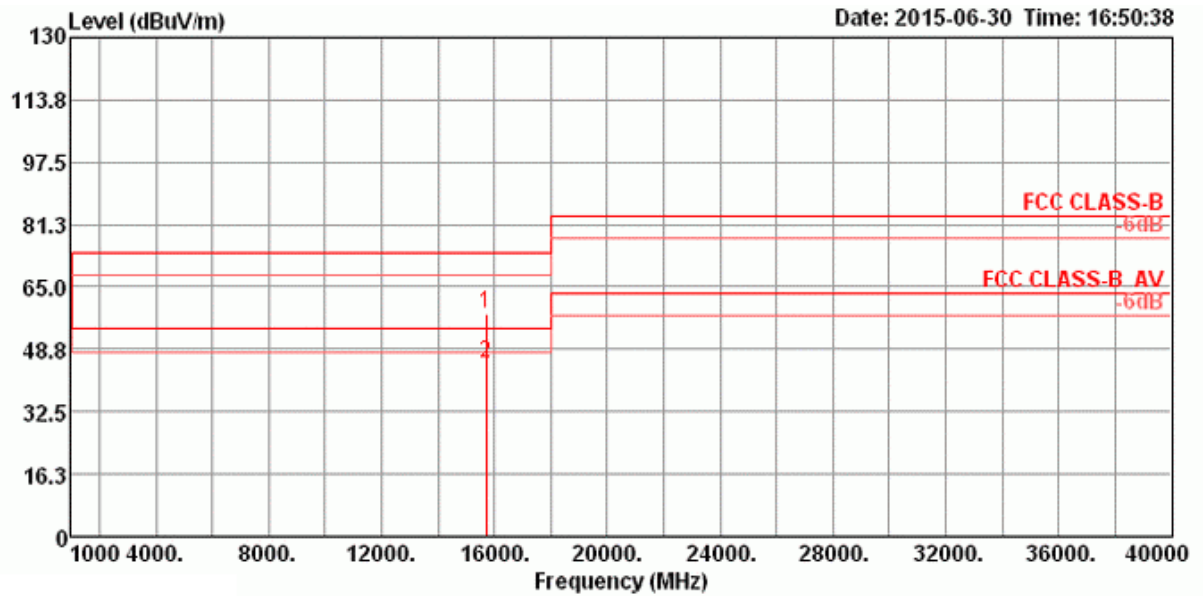
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 7

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	15716.55	45.14	54.00	-8.86	28.61	12.57	37.84	33.88	Average	181	237	HORIZONTAL
2	15719.57	58.05	74.00	-15.95	41.52	12.57	37.84	33.88	Peak	181	237	HORIZONTAL

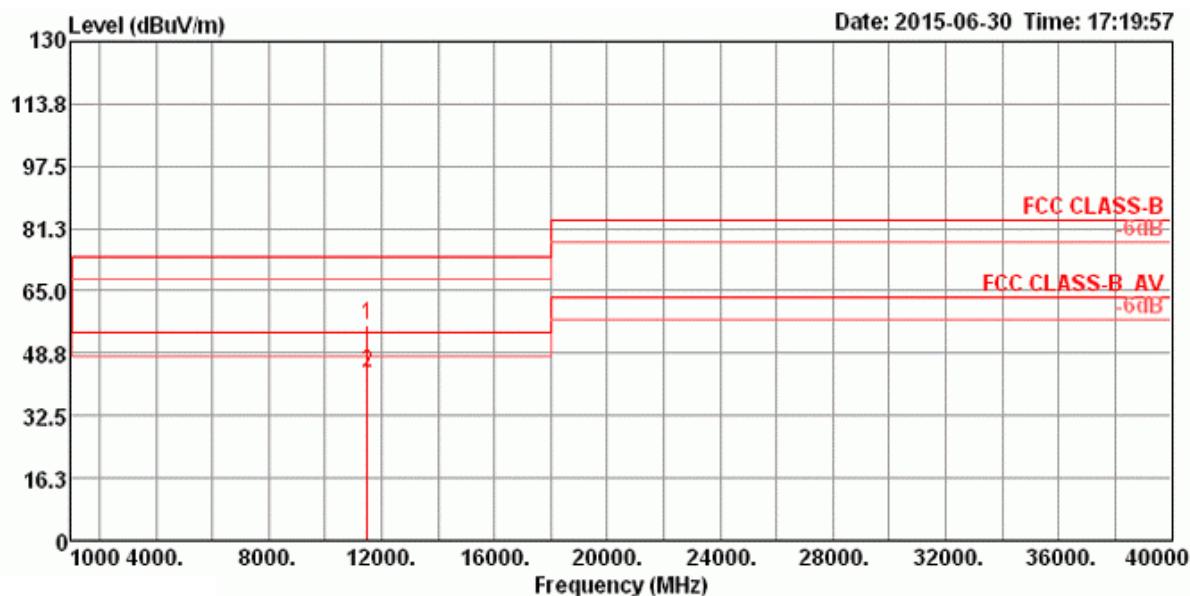
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15717.58	58.25	74.00	-15.75	41.72	12.57	37.84	33.88	Peak	150	201
2	15720.11	44.92	54.00	-9.08	28.39	12.57	37.84	33.88	Average	150	201

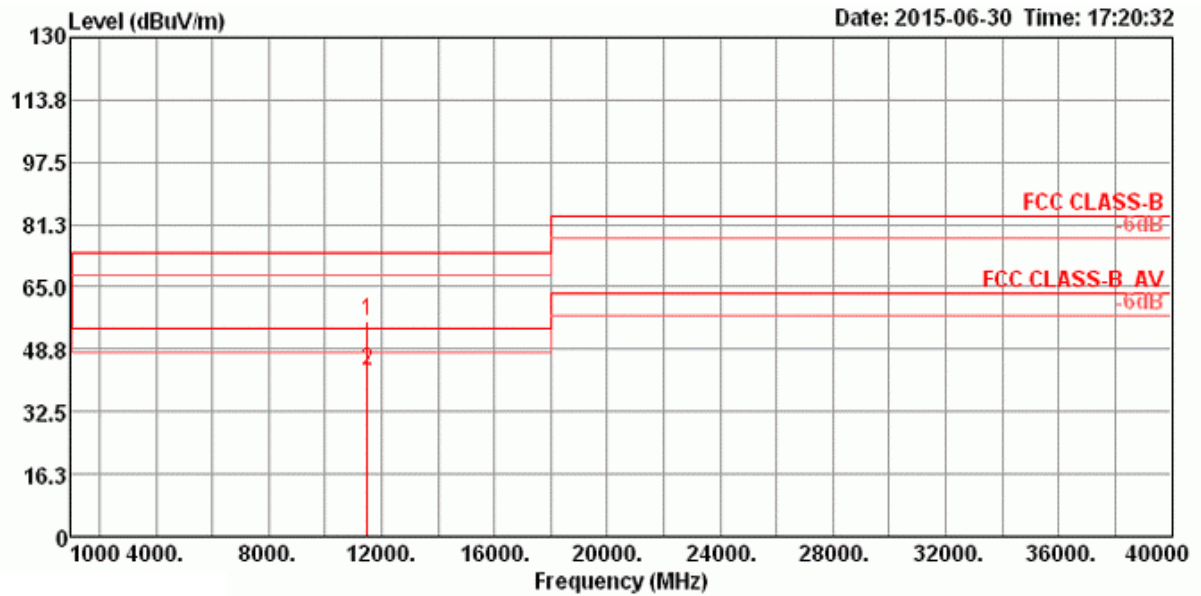
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11488.57	56.33	74.00	-17.67	40.11	10.71	38.88	33.37	175	61	HORIZONTAL
2	11491.38	43.48	54.00	-10.52	27.26	10.71	38.88	33.37	175	61	HORIZONTAL

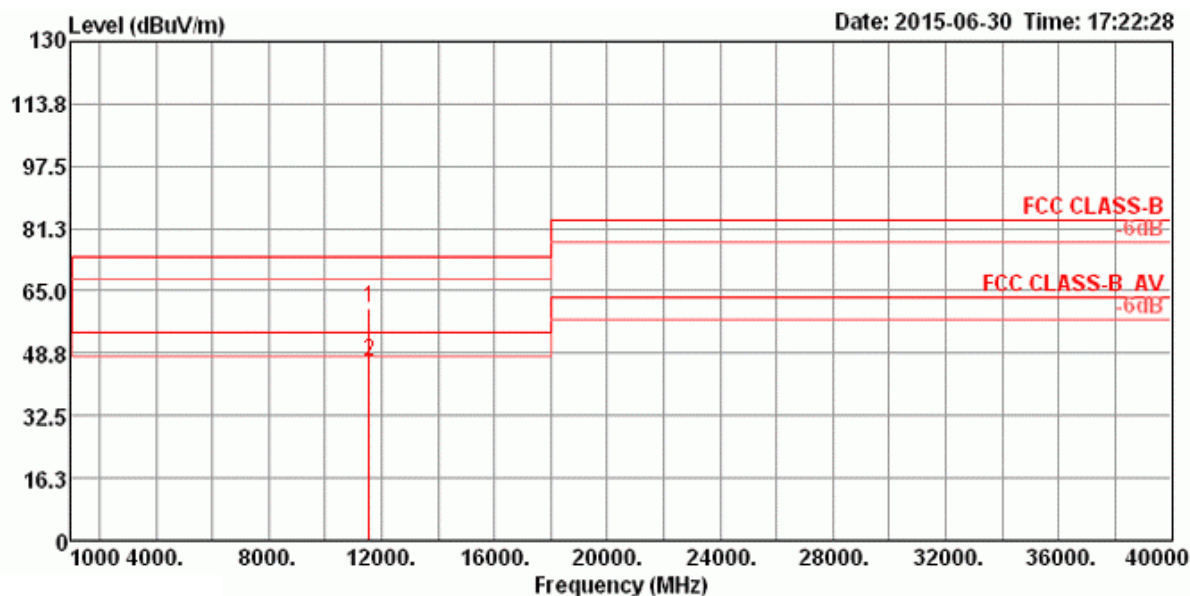
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB			
1	11485.11	55.95	74.00	-18.05	39.73	10.71	38.88	33.37	Peak	147	158 VERTICAL
2	11486.39	43.00	54.00	-11.00	26.78	10.71	38.88	33.37	Average	147	158 VERTICAL

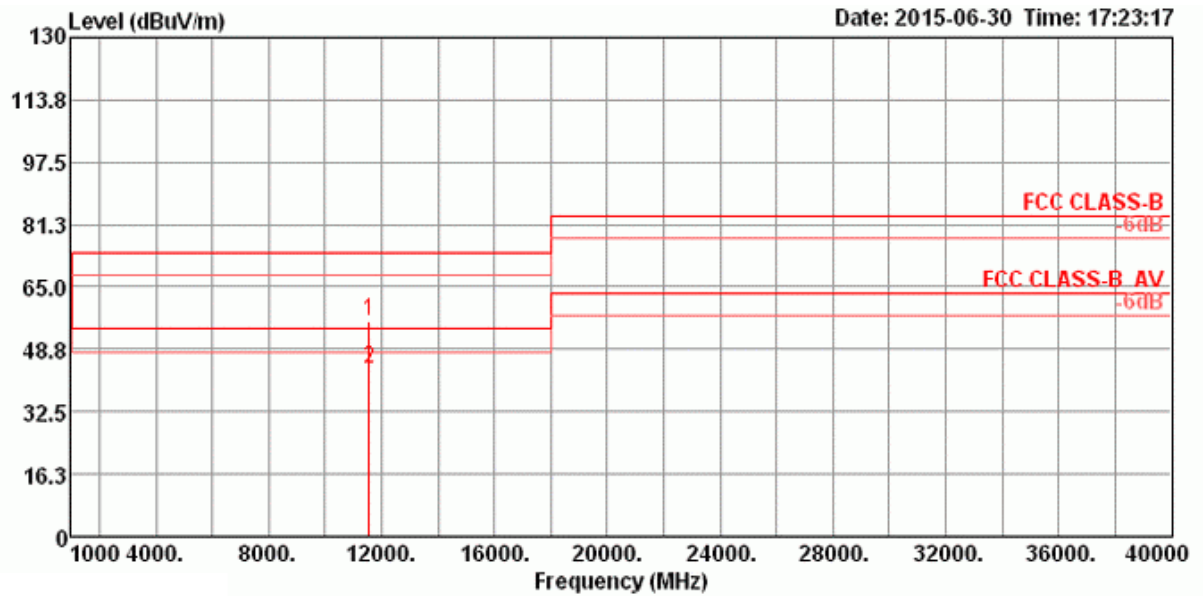
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11569.17	60.21	74.00	-13.79	43.90	10.75	38.94	33.38	Peak	265	324
2	11570.08	46.33	54.00	-7.67	30.02	10.76	38.94	33.39	Average	265	324

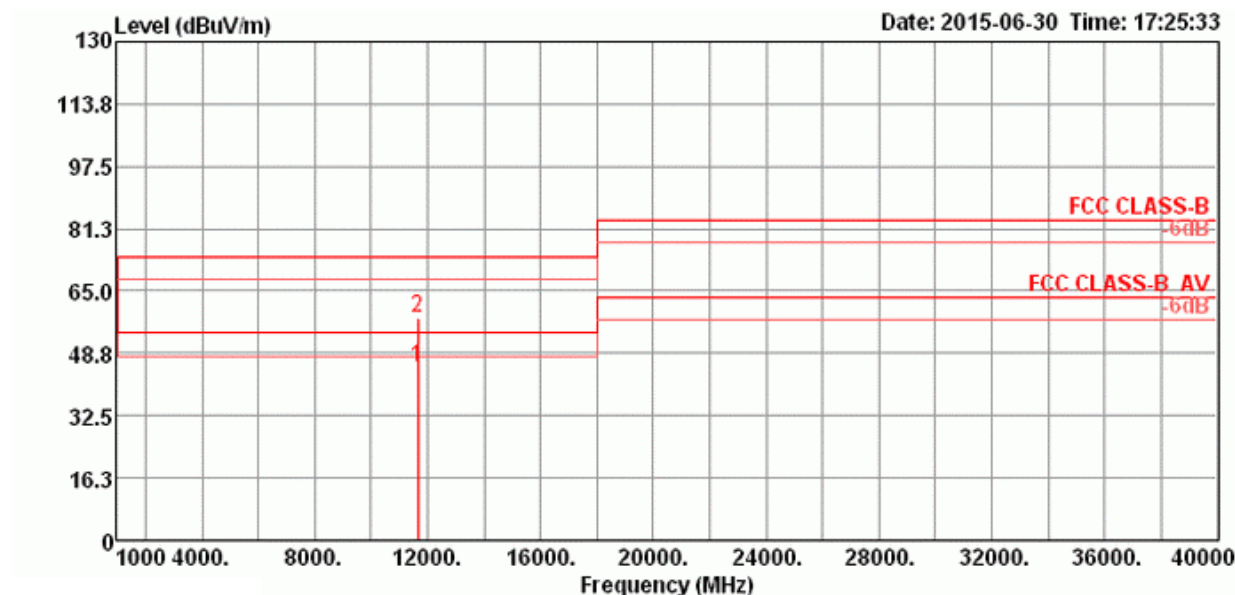
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11572.77	56.17	74.00	-17.83	39.86	10.76	38.94	33.39	Peak	115	79 VERTICAL
2	11574.26	43.50	54.00	-10.50	27.19	10.76	38.94	33.39	Average	115	79 VERTICAL

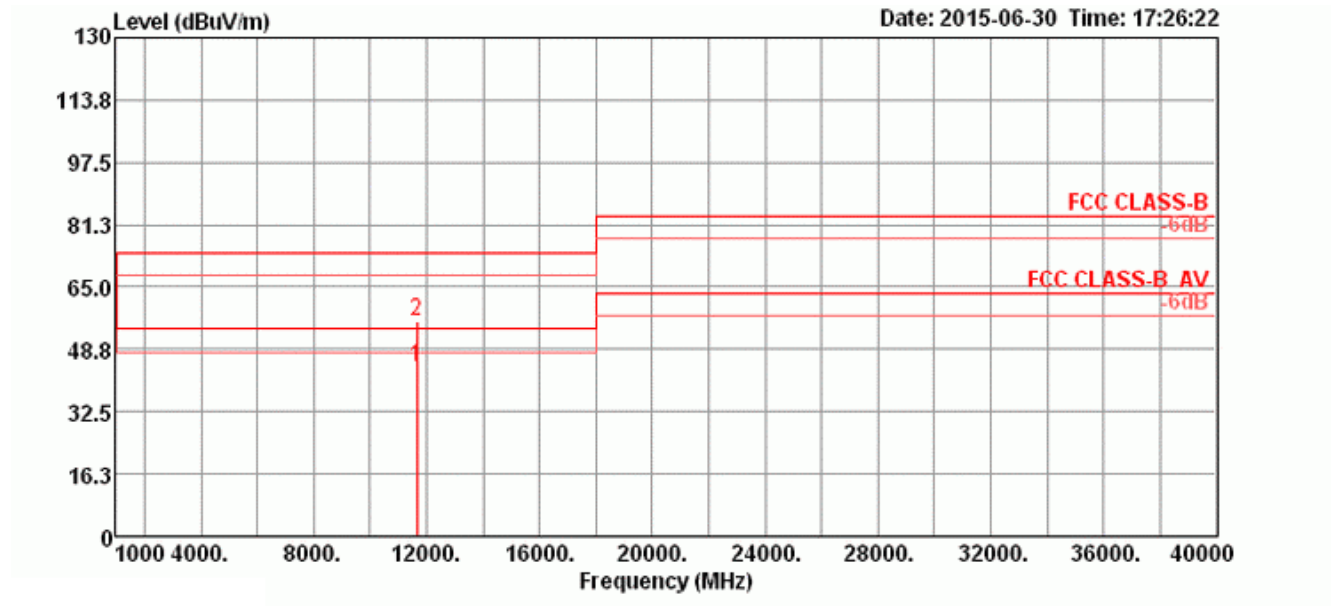
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11650.13	45.14	54.00	-8.86	28.76	10.81	38.98	33.41	206	65	HORIZONTAL
2	11652.63	58.14	74.00	-15.86	41.75	10.81	38.99	33.41	206	65	HORIZONTAL

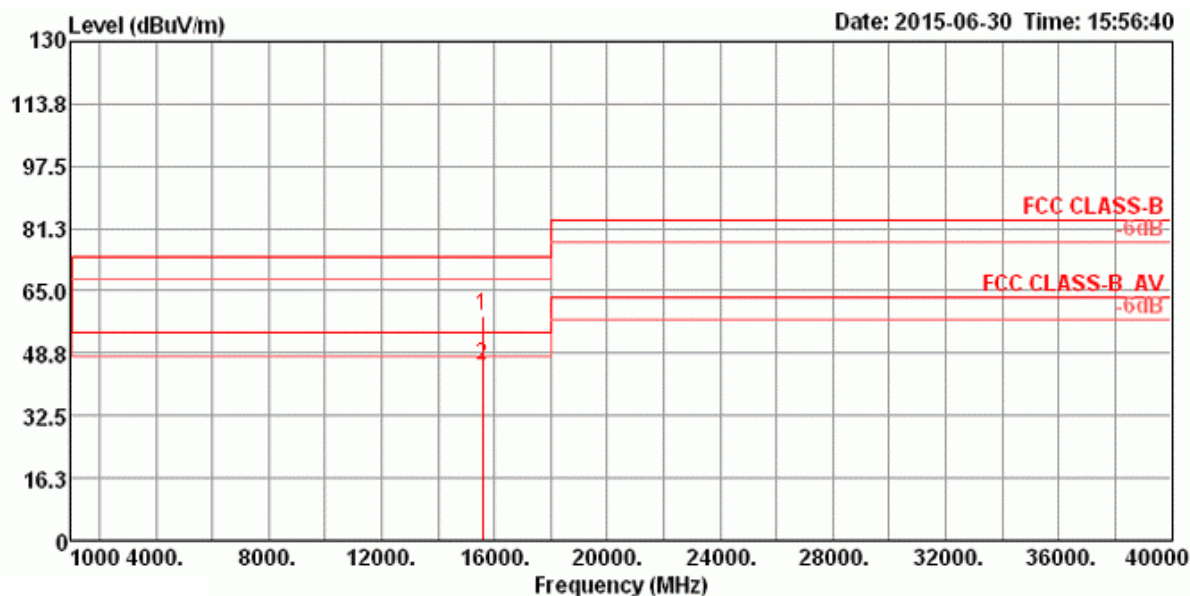
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11650.08	43.91	54.00	-10.09	27.53	10.81	38.98	33.41	Average	172	72 VERTICAL
2	11654.89	56.21	74.00	-17.79	39.82	10.81	38.99	33.41	Peak	172	72 VERTICAL

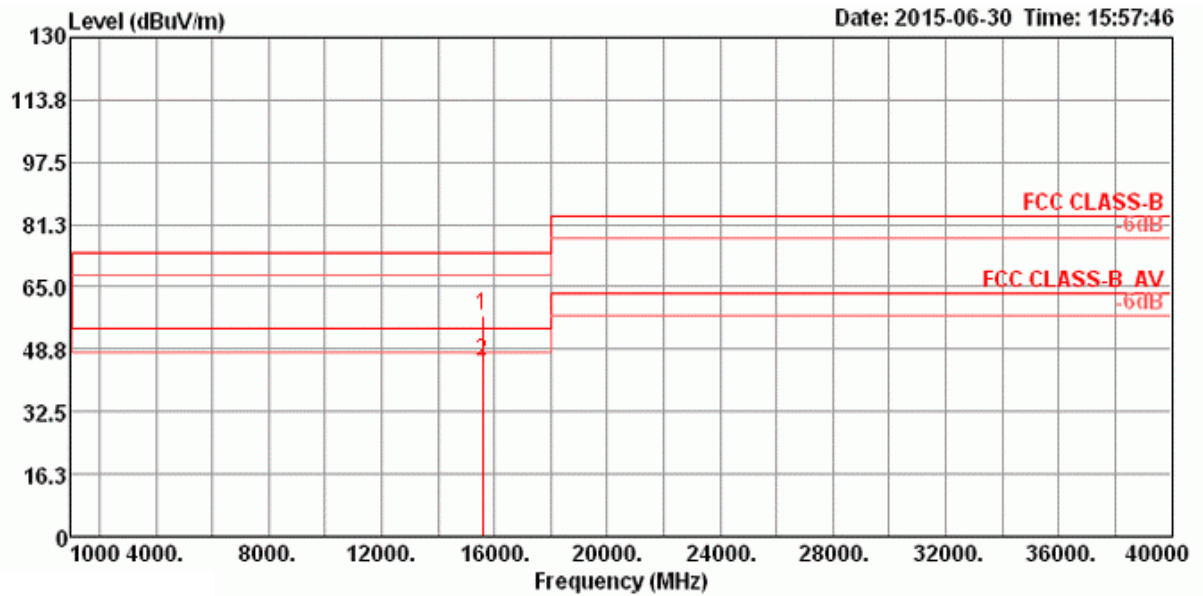
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 7

Horizontal



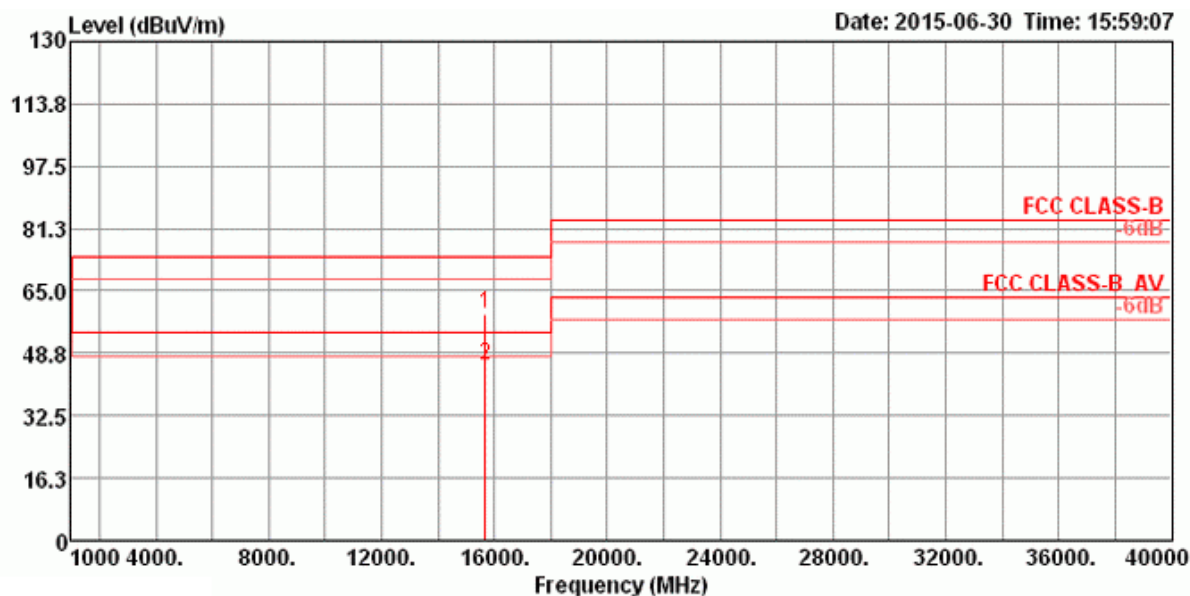
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15572.31	58.61	74.00	-15.39	41.67	12.58	38.09	33.73	Peak	152	230
2	15572.53	45.57	54.00	-8.43	28.63	12.58	38.09	33.73	Average	152	230

Vertical



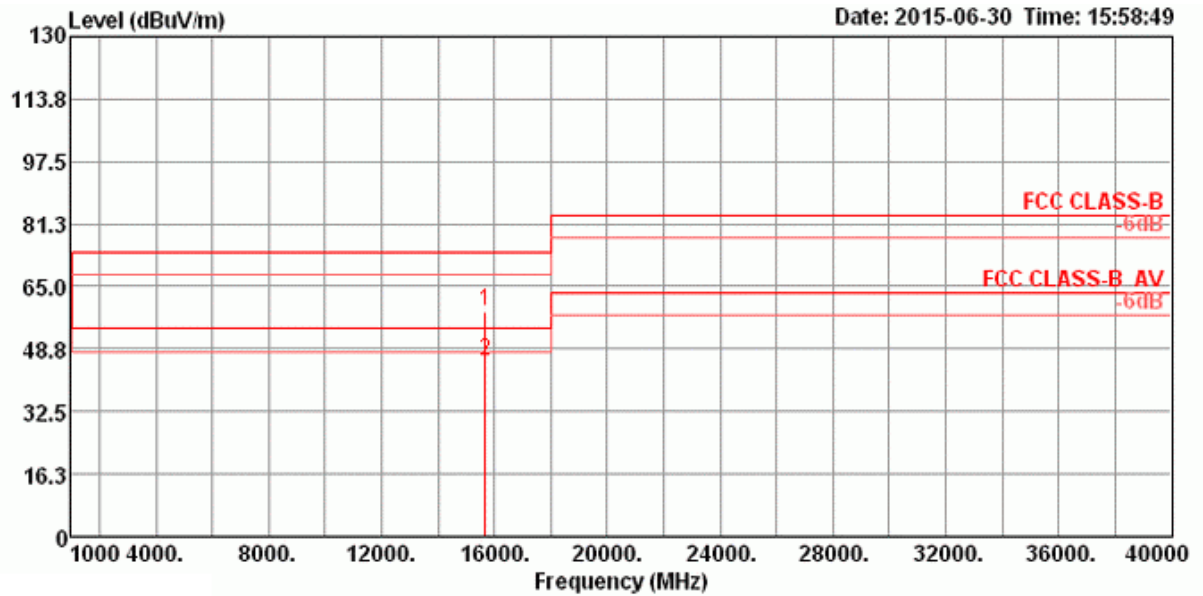
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	15690.46	58.90	74.00	-15.10	42.27	12.58	37.90	33.85	Peak	174	116 HORIZONTAL
2	15691.99	45.44	54.00	-8.56	28.81	12.58	37.90	33.85	Average	174	116 HORIZONTAL

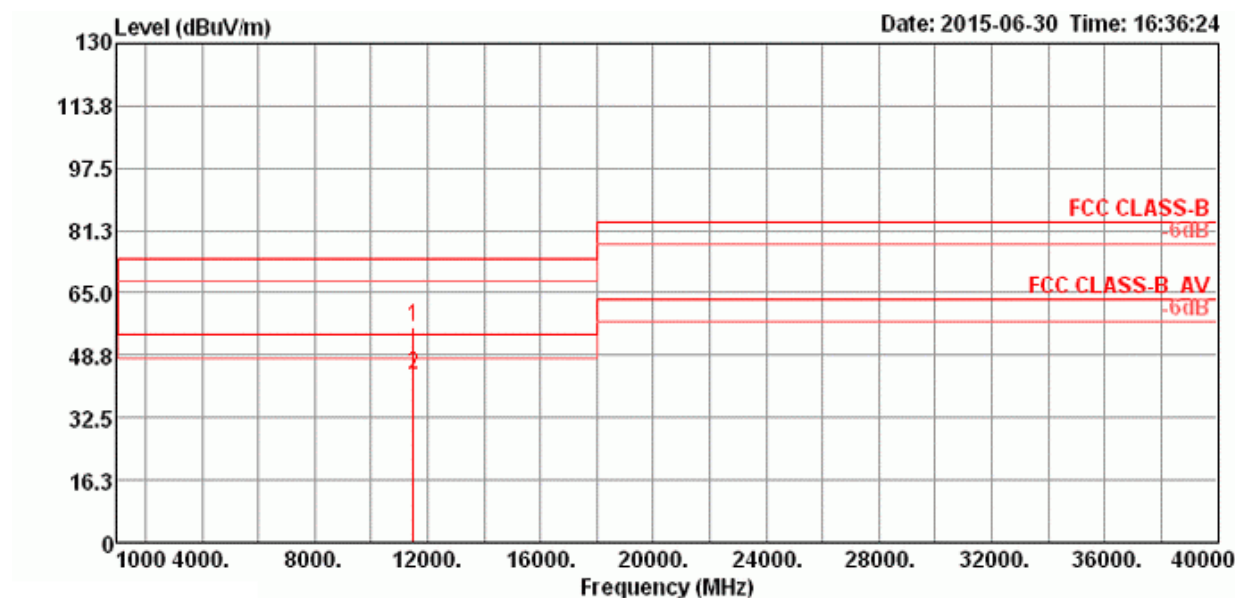
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	15687.87	58.55	74.00	-15.45	41.92	12.58	37.90	33.85	Peak	185	88 VERTICAL
2	15694.82	45.47	54.00	-8.53	28.84	12.58	37.90	33.85	Average	185	88 VERTICAL

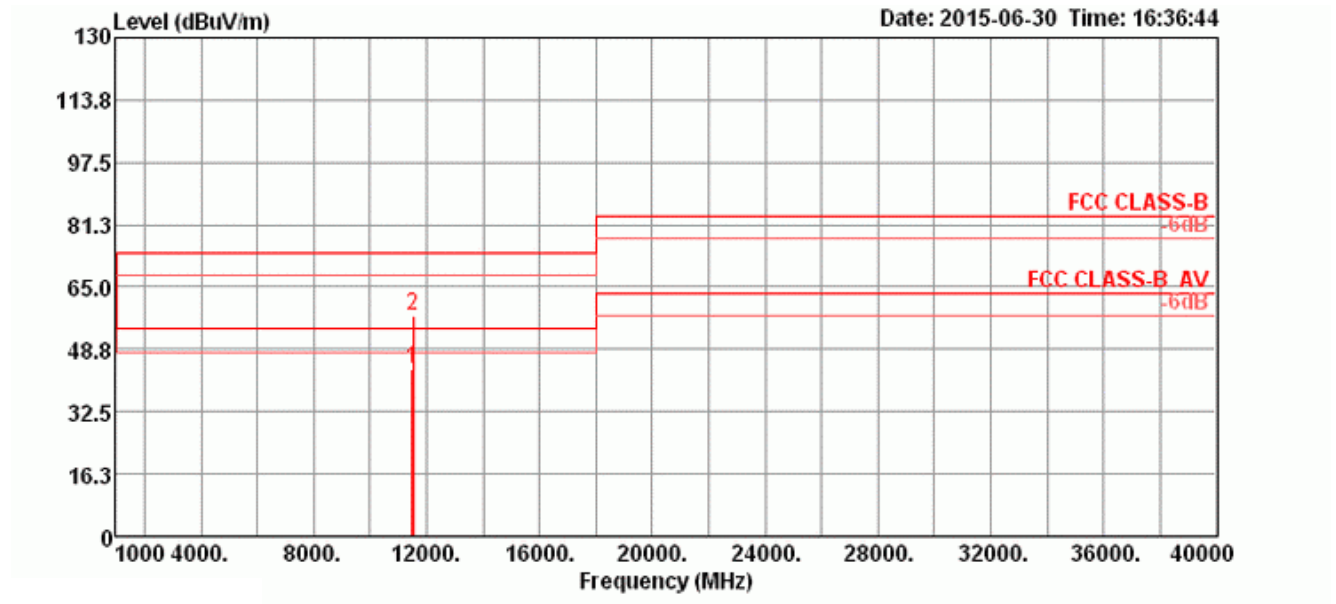
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 7

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11502.13	56.30	74.00	-17.70	40.05	10.72	38.90	33.37	177	172	HORIZONTAL
2	11512.56	43.88	54.00	-10.12	27.63	10.72	38.90	33.37	177	172	HORIZONTAL

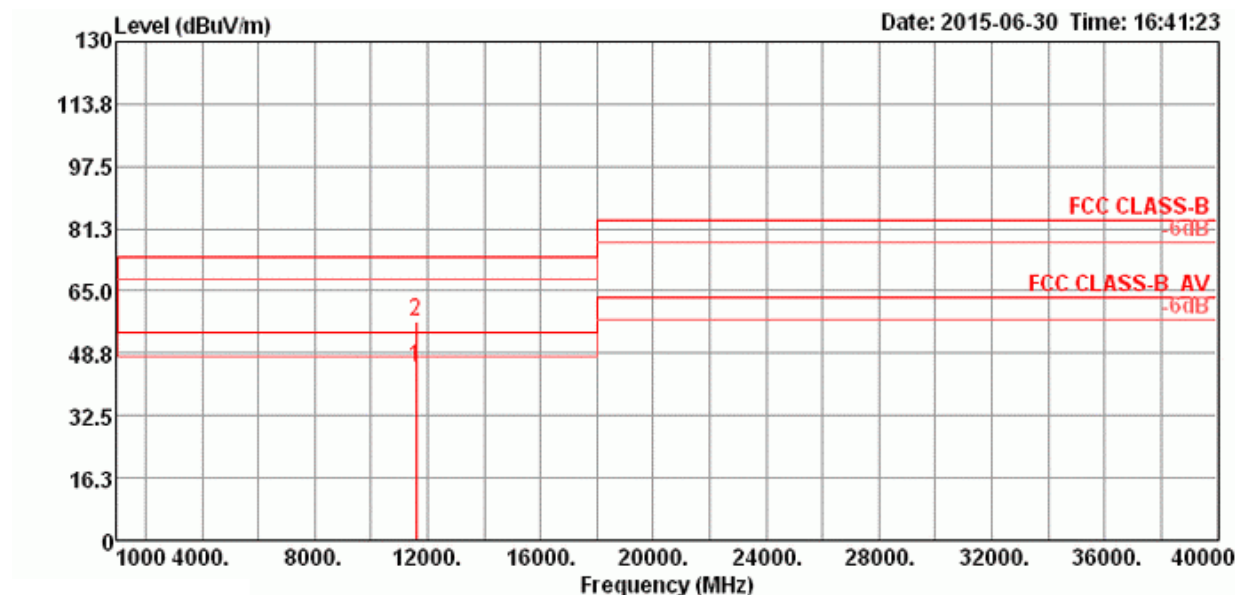
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	Line	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
1	11511.23	43.72	54.00	-10.28	27.47	10.72	38.90	33.37	Average	188	125
2	11515.02	57.49	74.00	-16.51	41.23	10.72	38.91	33.37	Peak	188	125

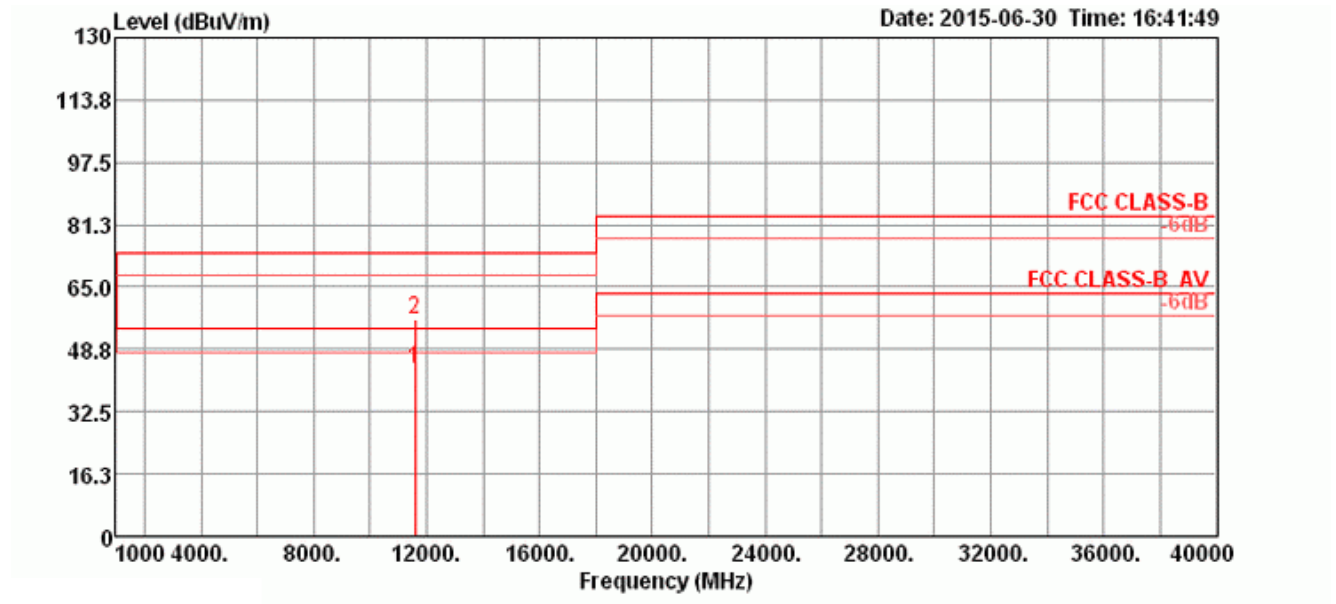
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11590.16	44.89	54.00	-9.11	28.57	10.76	38.95	33.39	Average	182	341 HORIZONTAL
2	11607.23	56.95	74.00	-17.05	40.61	10.78	38.96	33.40	Peak	182	341 HORIZONTAL

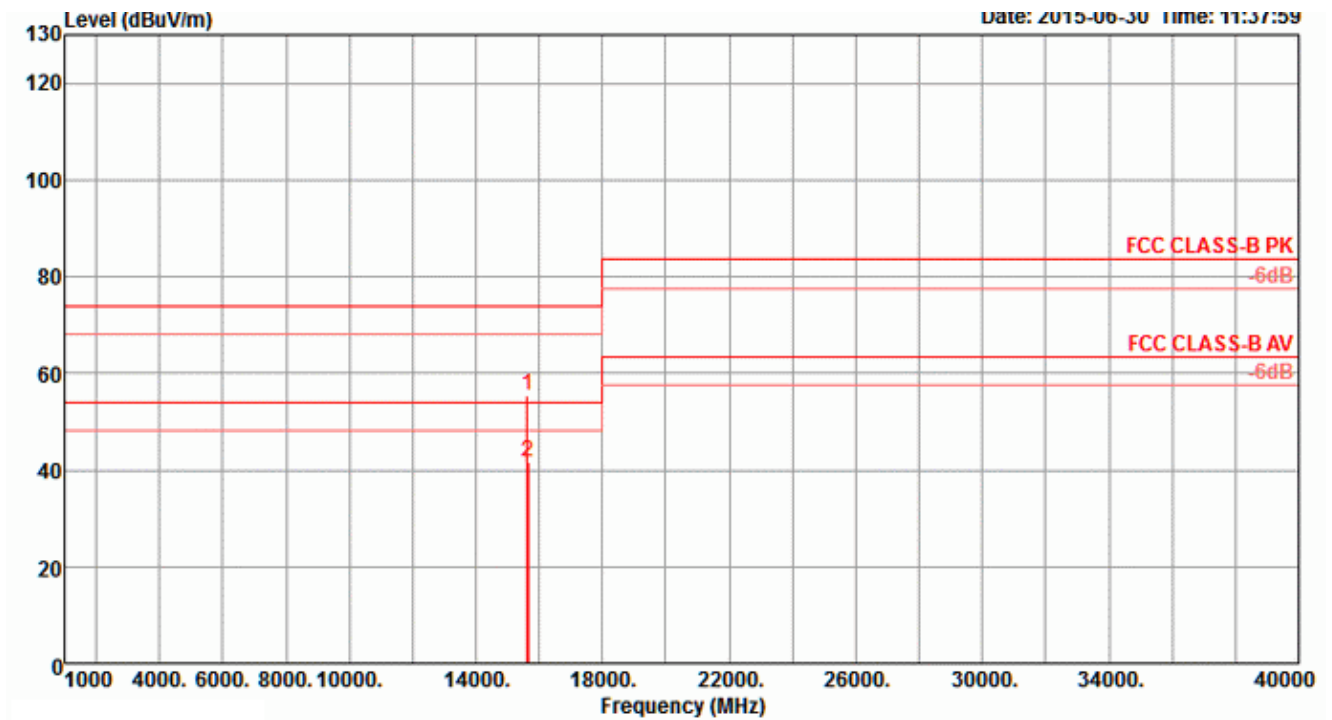
Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	11609.87	43.46	54.00	-10.54	27.12	10.78	38.96	33.40	Average	193	288 VERTICAL
2	11611.88	56.82	74.00	-17.18	40.48	10.78	38.96	33.40	Peak	193	288 VERTICAL

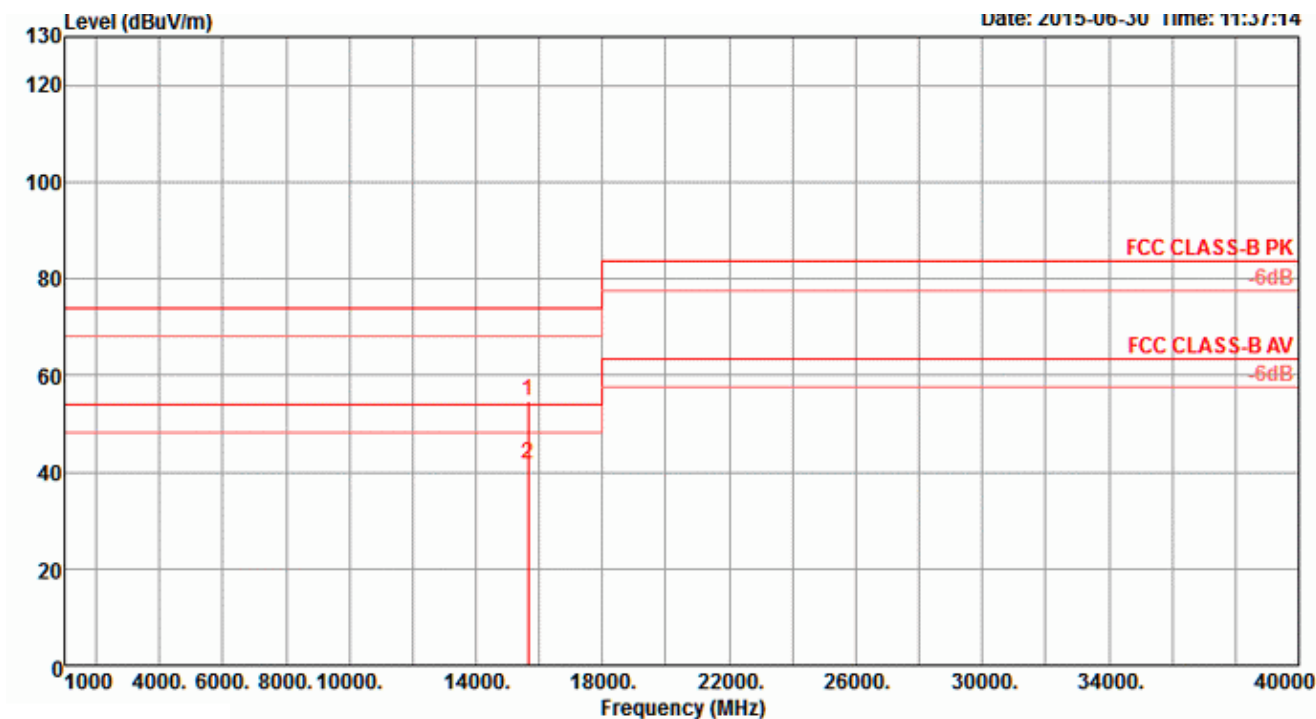
Temperature	22°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	deg	cm		
1	15627.93	55.34	74.00	-18.66	44.14	7.59	38.32	34.71	283	135	Peak	HORIZONTAL
2	15632.61	41.70	54.00	-12.30	30.47	7.59	38.35	34.71	282	135	Average	HORIZONTAL

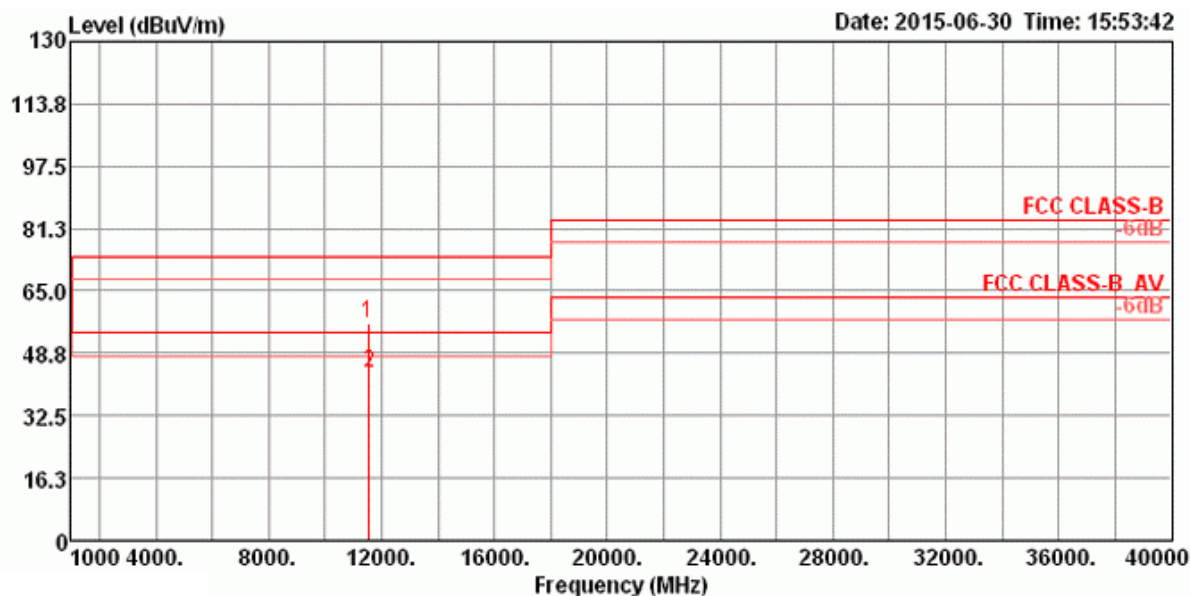
Vertical



	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	15632.50	54.58	74.00	-19.42	43.35	7.59	38.35	34.71	333	160	Peak	VERTICAL
2	15634.13	41.67	54.00	-12.33	30.44	7.59	38.35	34.71	333	160	Average	VERTICAL

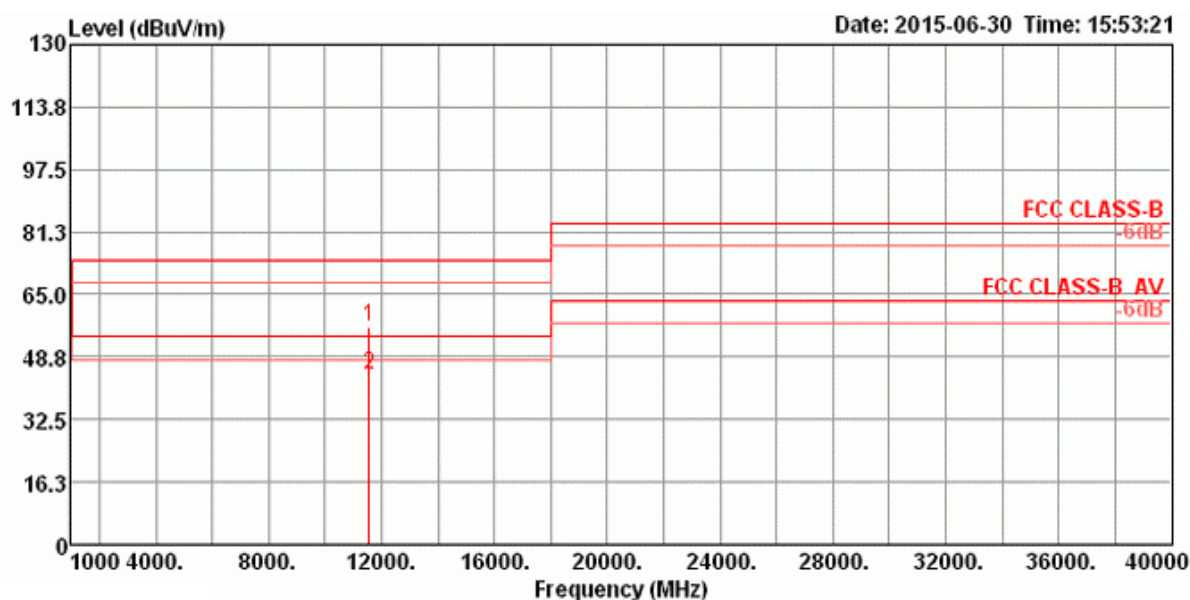
Temperature	24°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 7

Horizontal



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11546.30	56.69	74.00	-17.31	40.40	10.75	38.92	33.38	152	174	HORIZONTAL
2	11549.47	43.70	54.00	-10.30	27.40	10.75	38.93	33.38	152	174	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Remark	cm	deg
1	11550.48	56.39	74.00	-17.61	40.09	10.75	38.93	33.38	Peak	142	138 VERTICAL
2	11554.09	44.21	54.00	-9.79	27.91	10.75	38.93	33.38	Average	142	138 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.