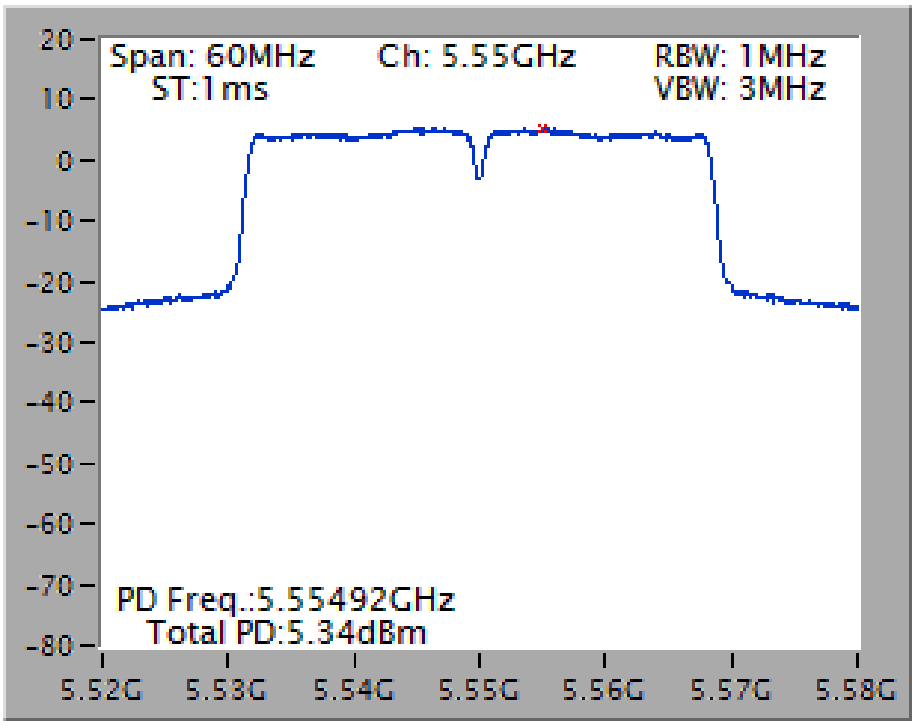
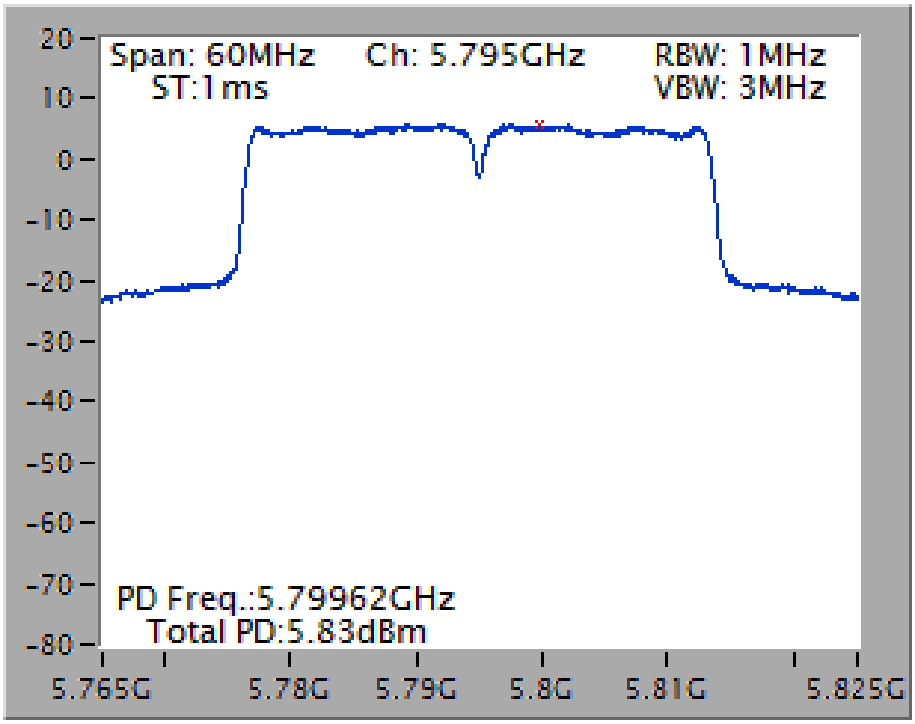
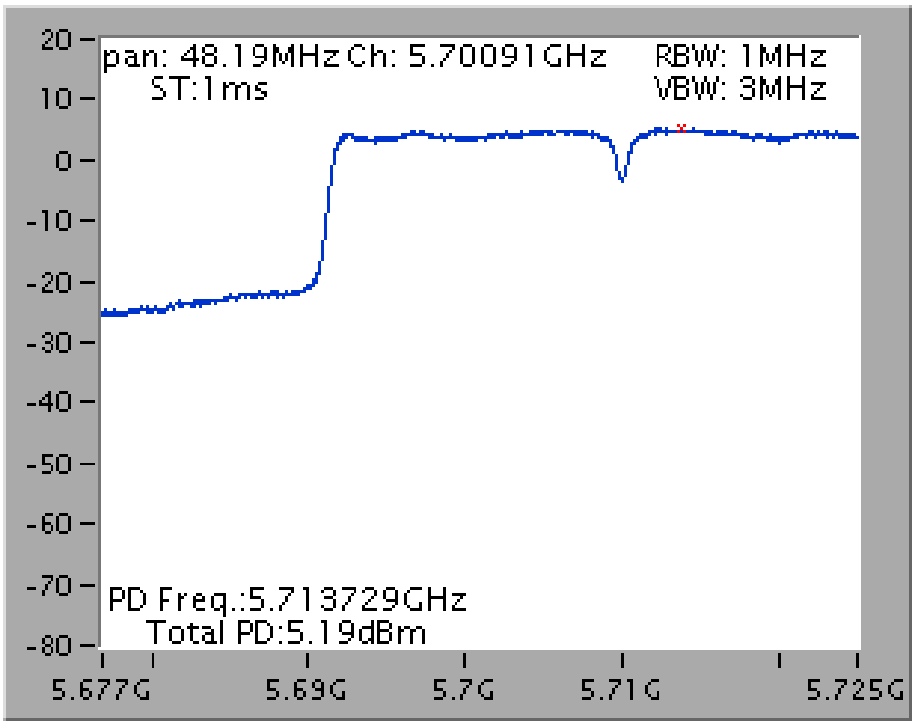
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



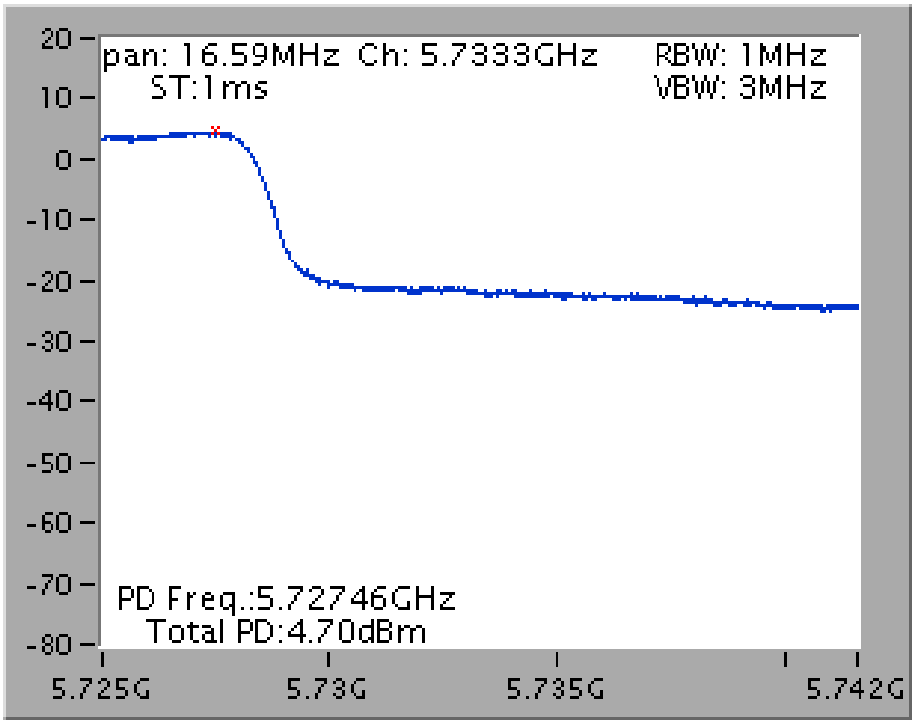
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



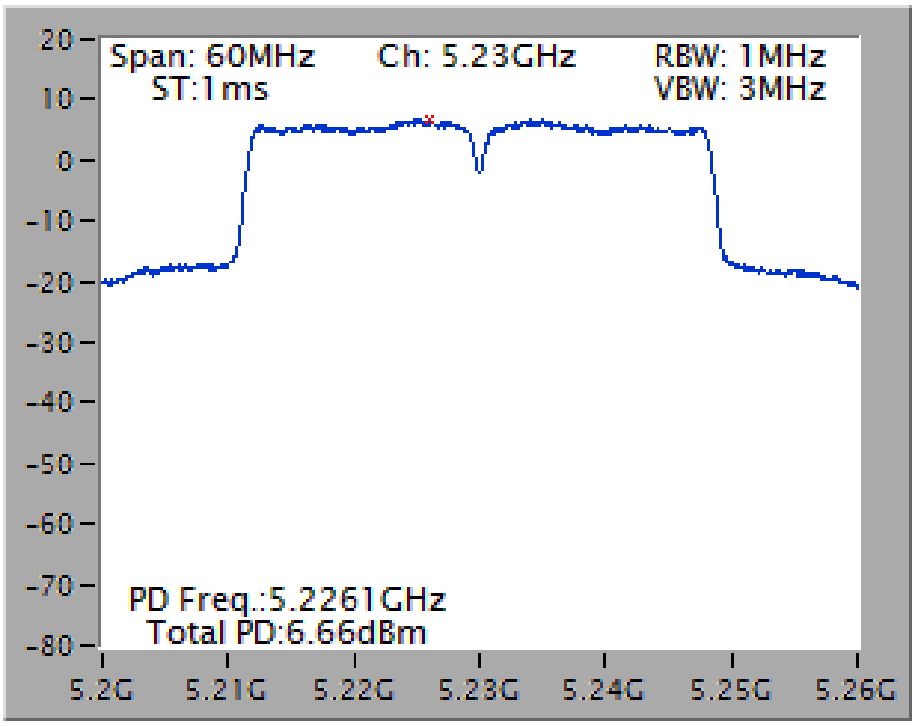
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



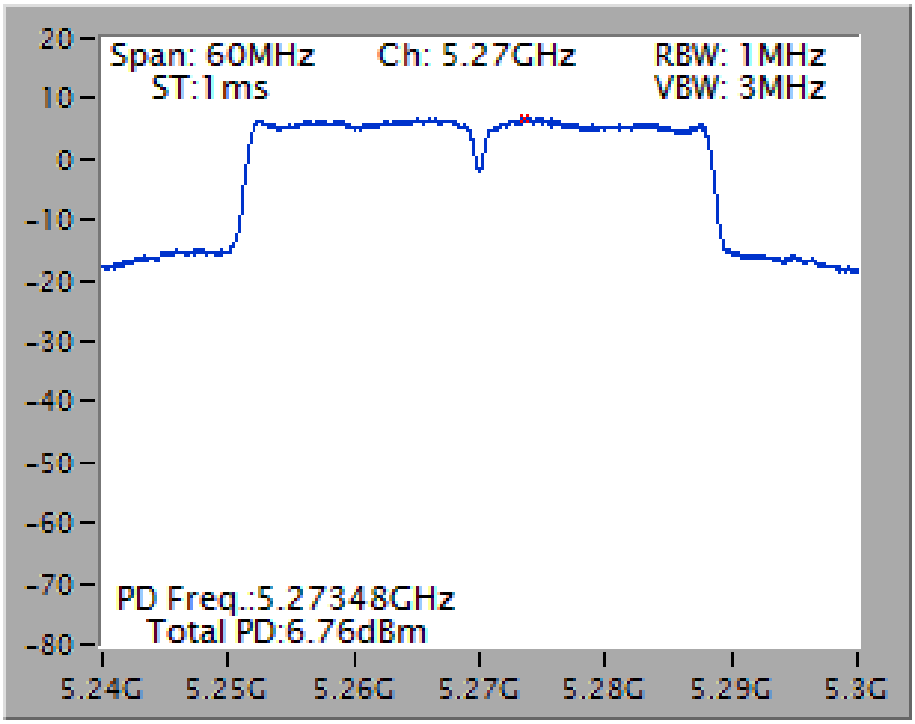
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)



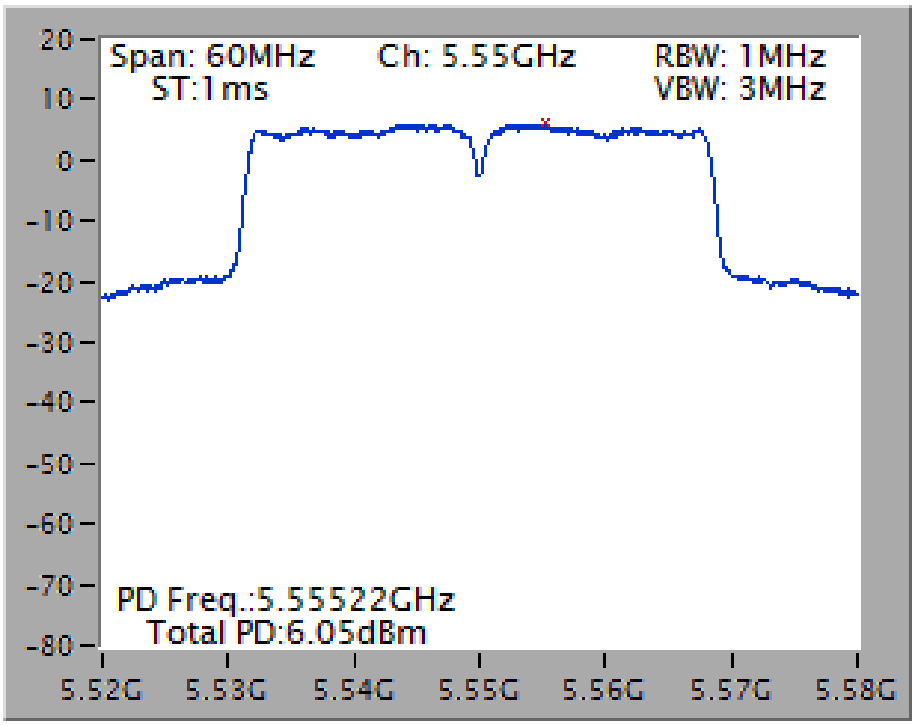
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



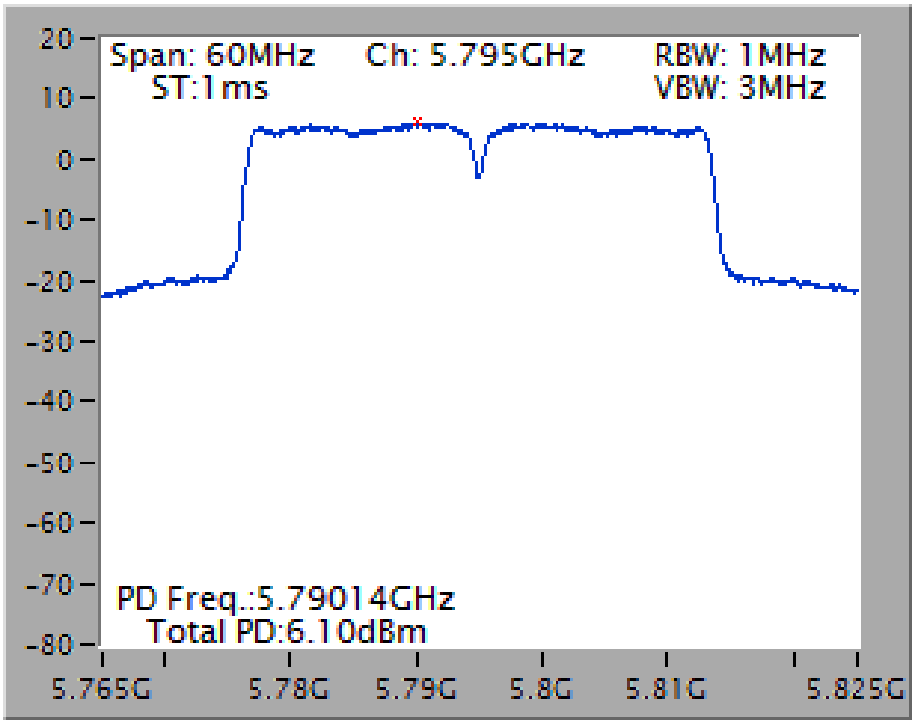
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



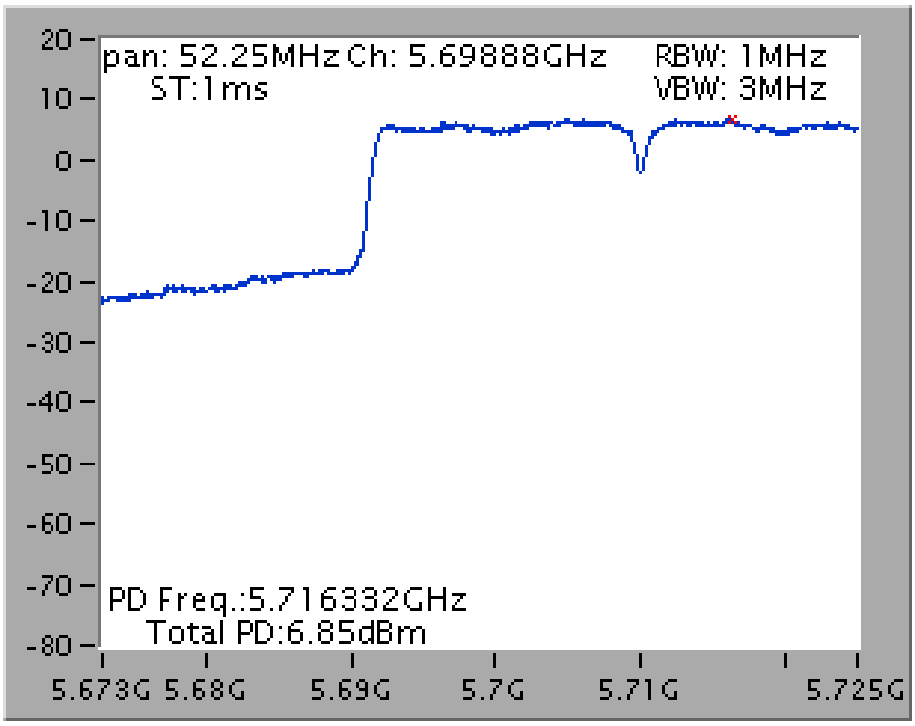
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



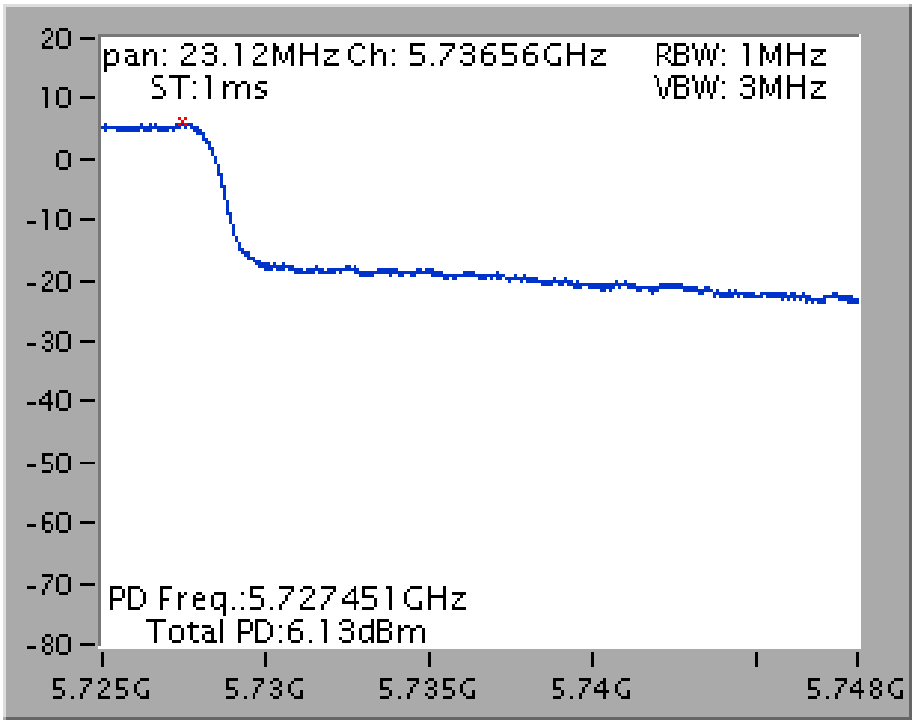
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



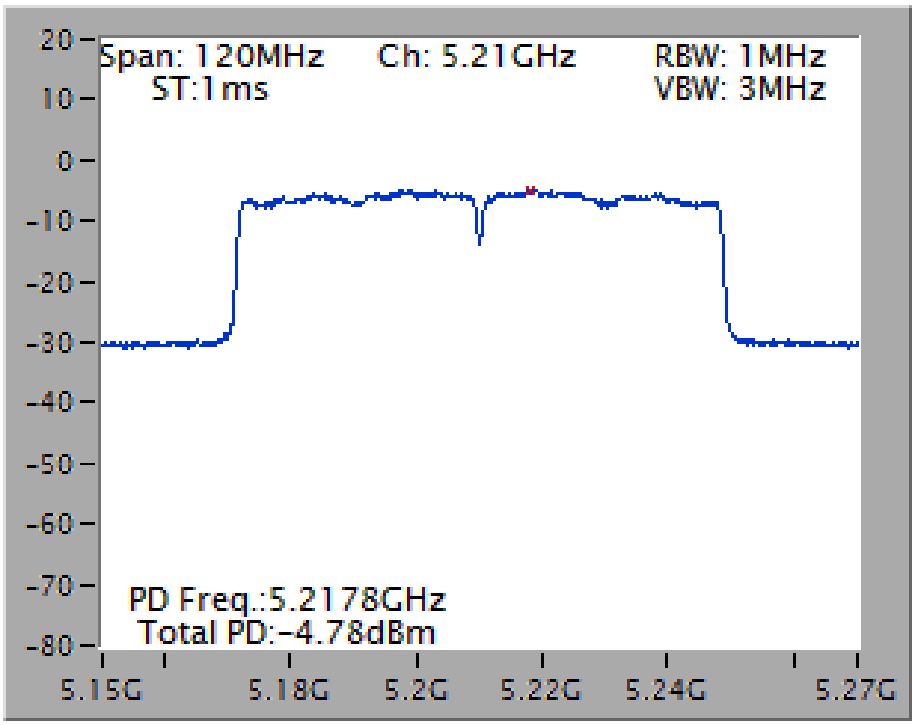
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



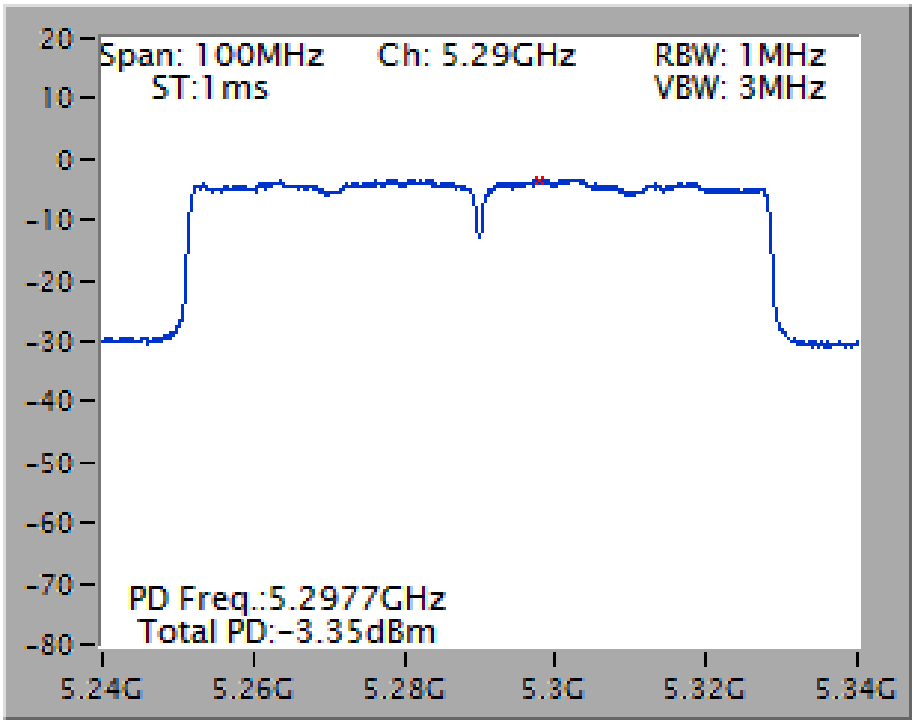
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)



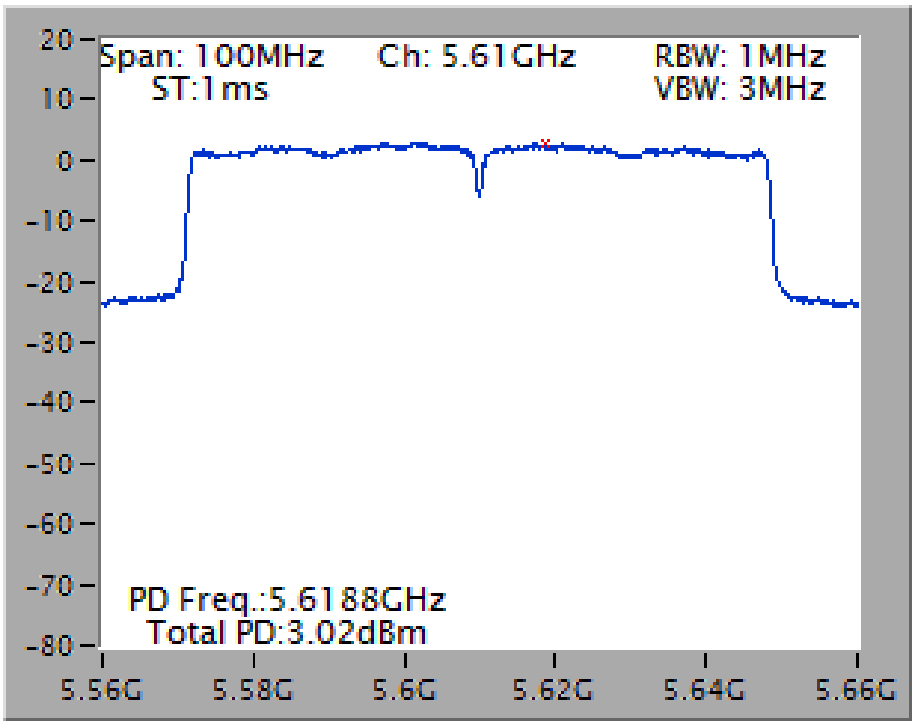
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



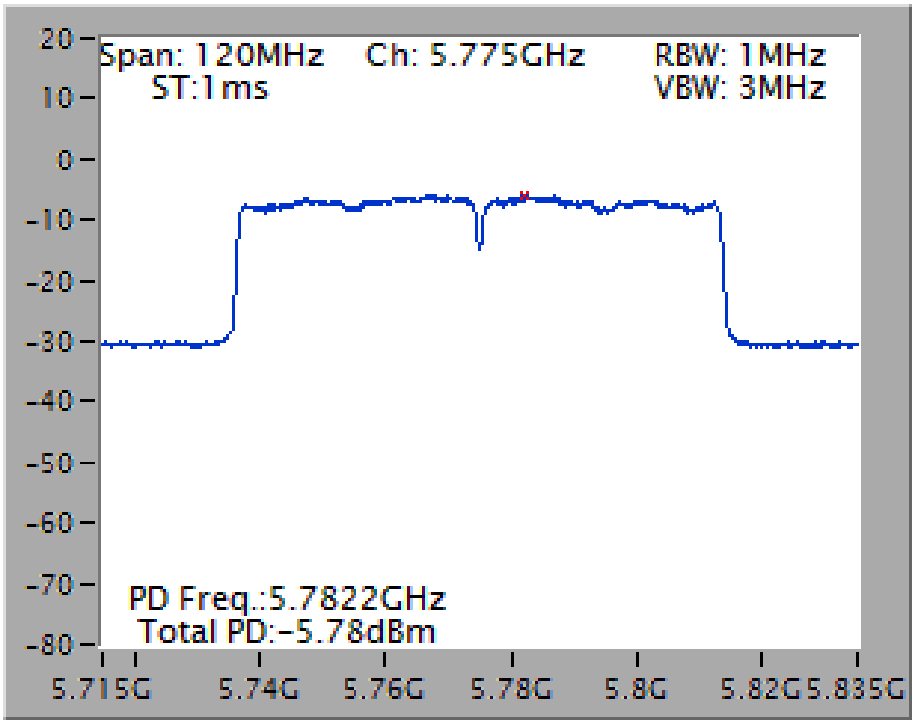
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



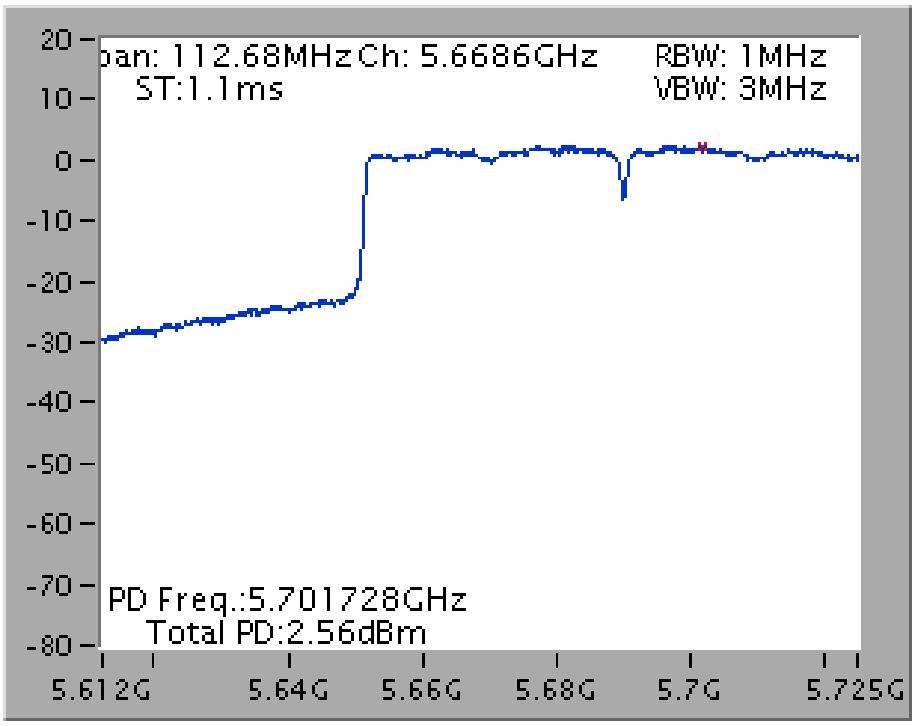
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz



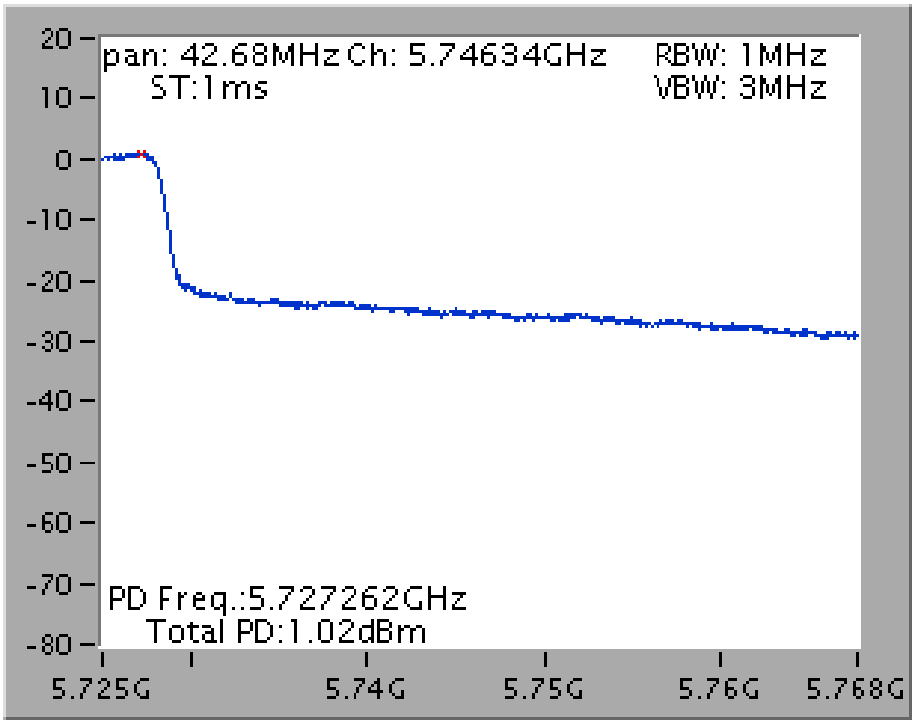
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



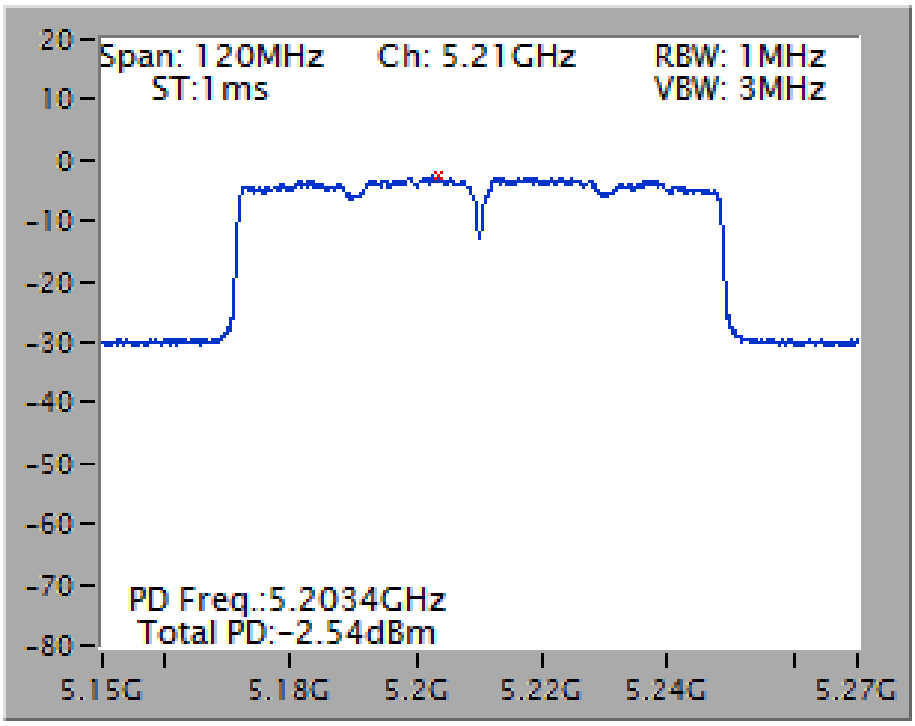
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)



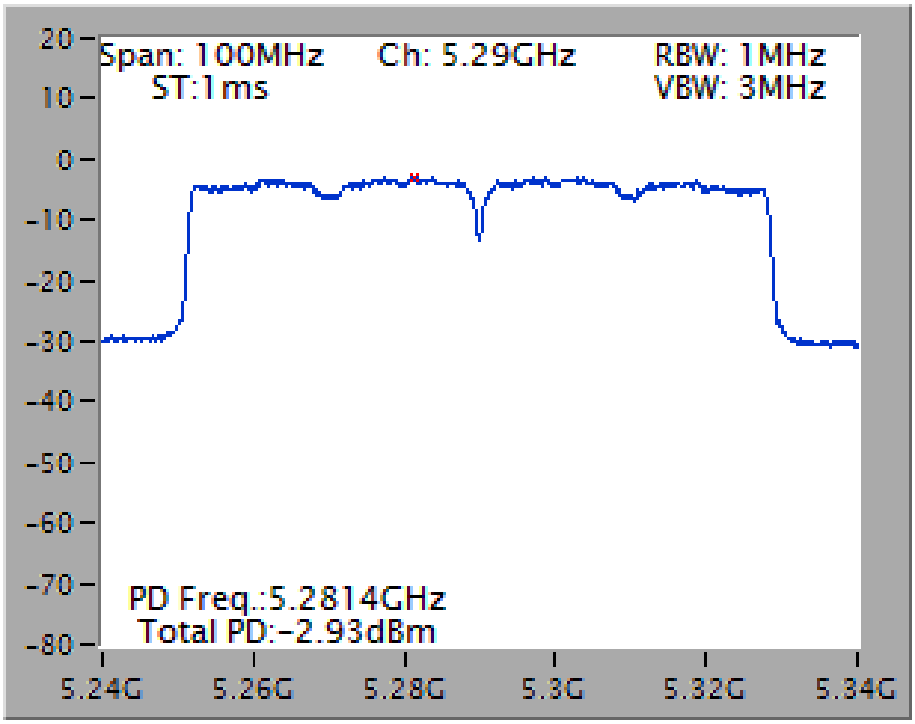
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)



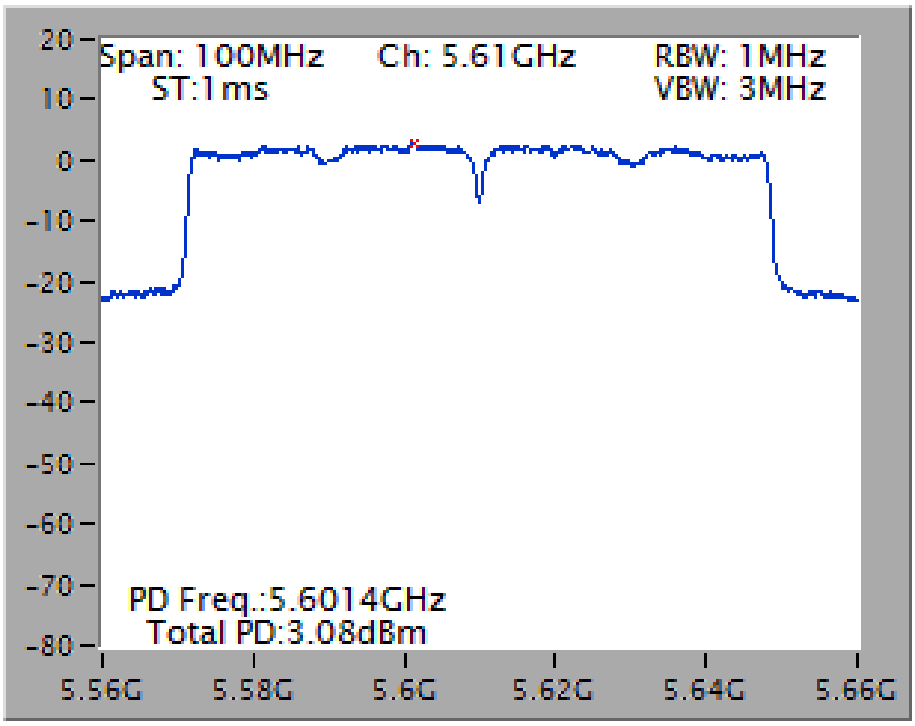
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



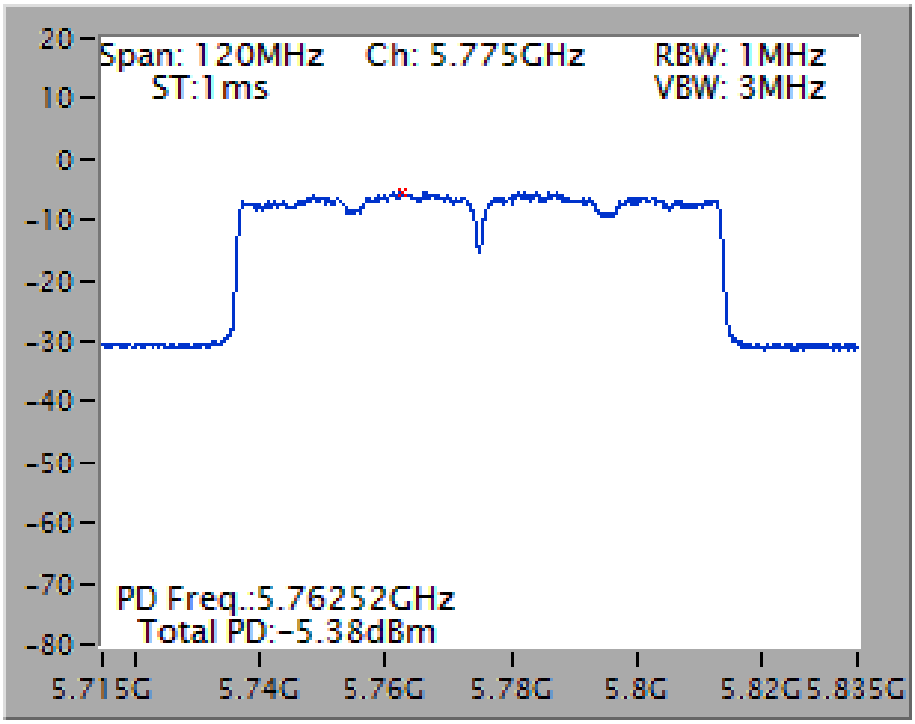
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



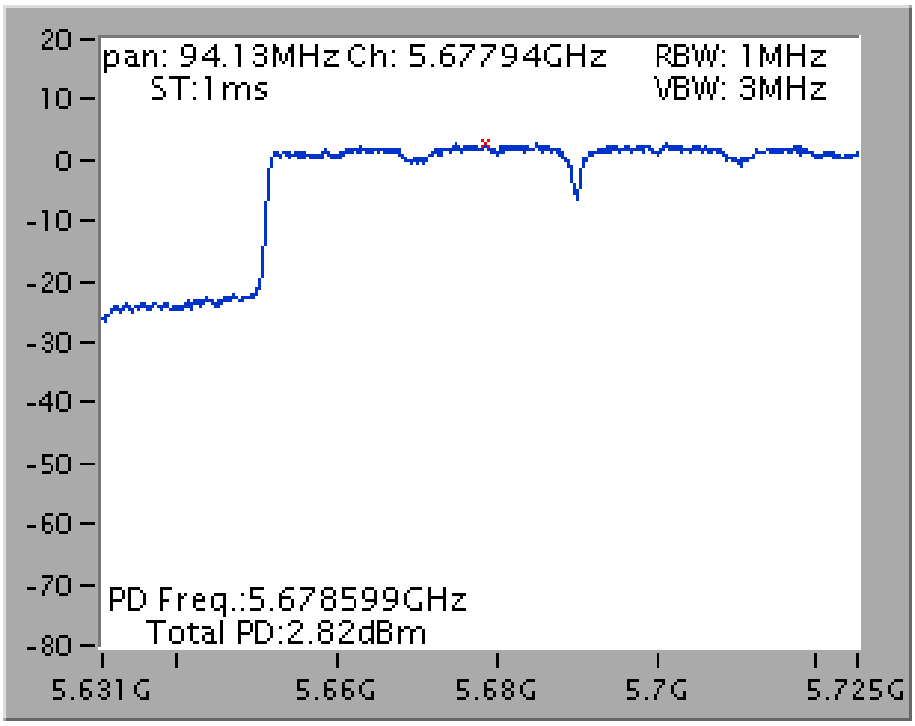
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz



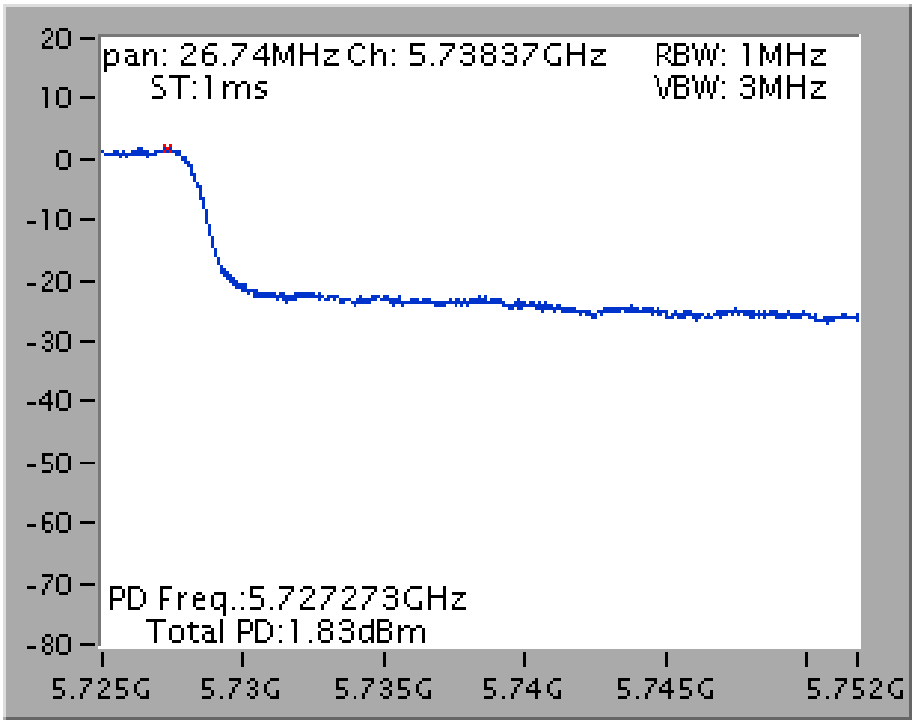
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)

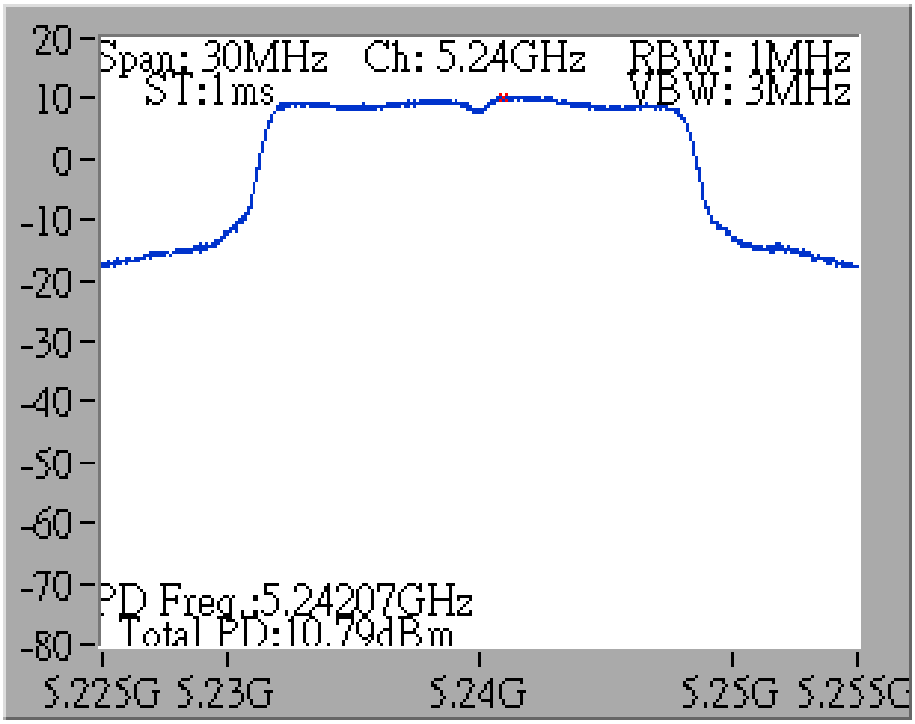


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)

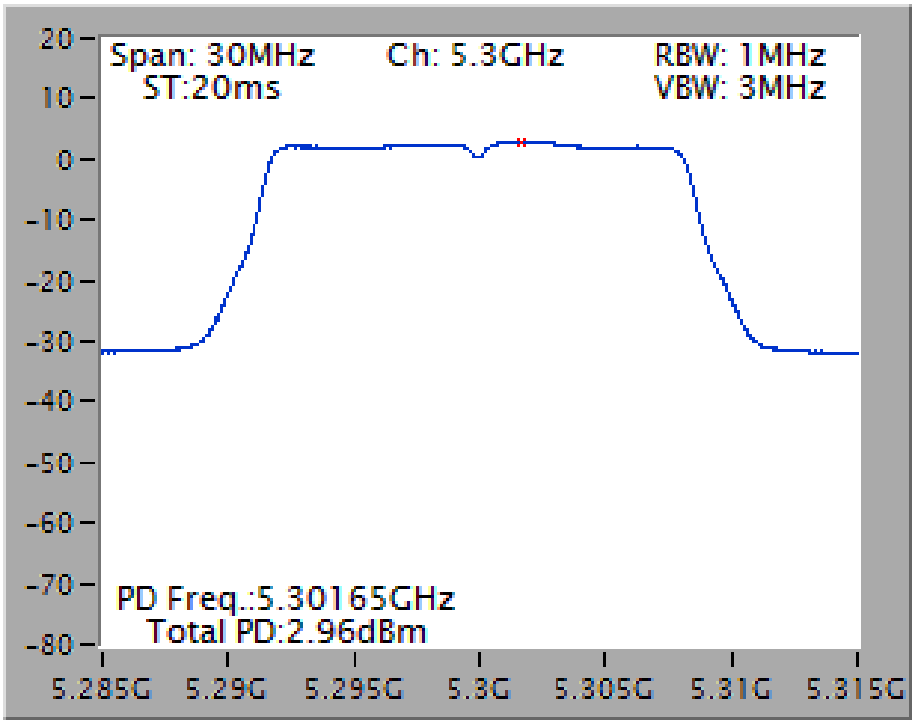


Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

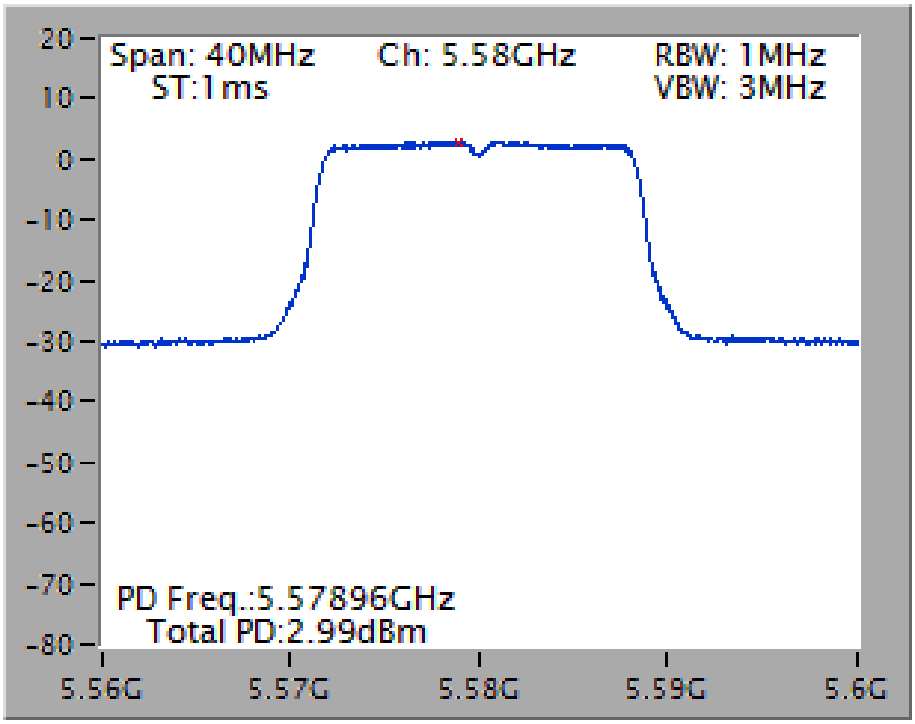
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5240 MHz



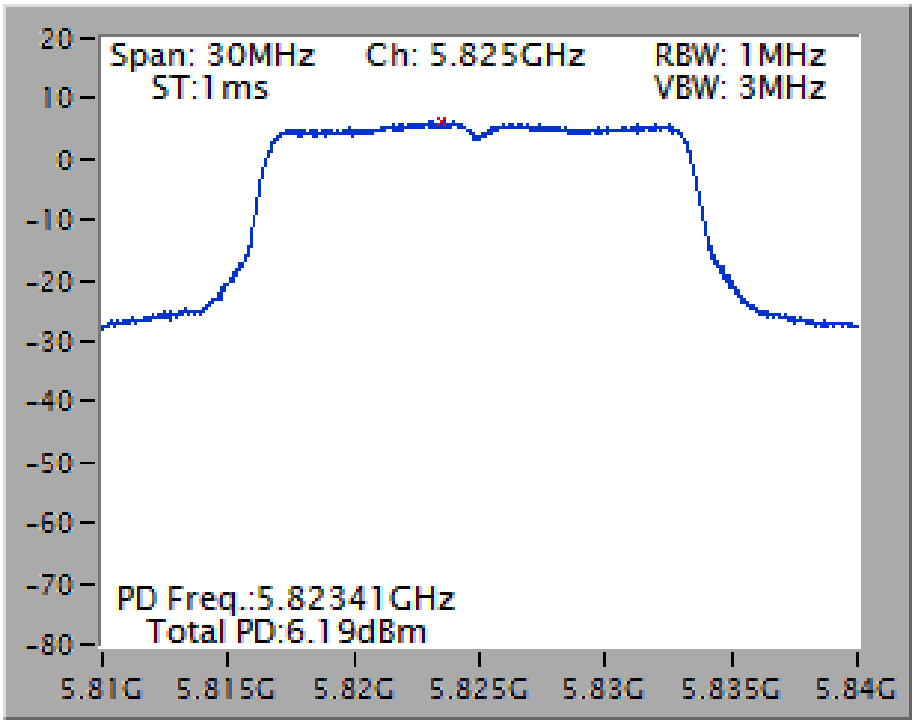
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5300 MHz



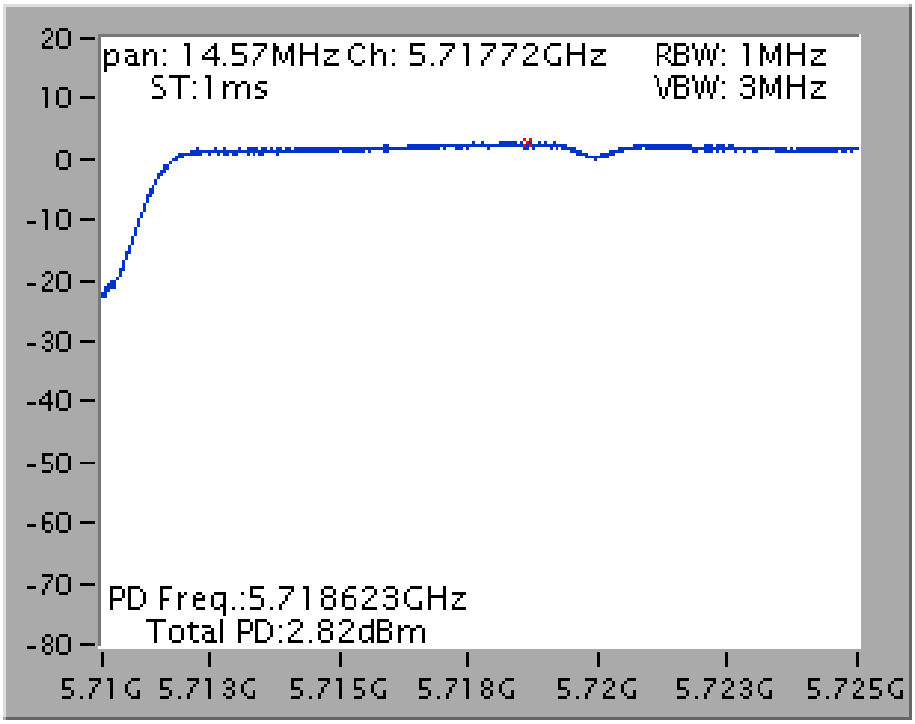
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



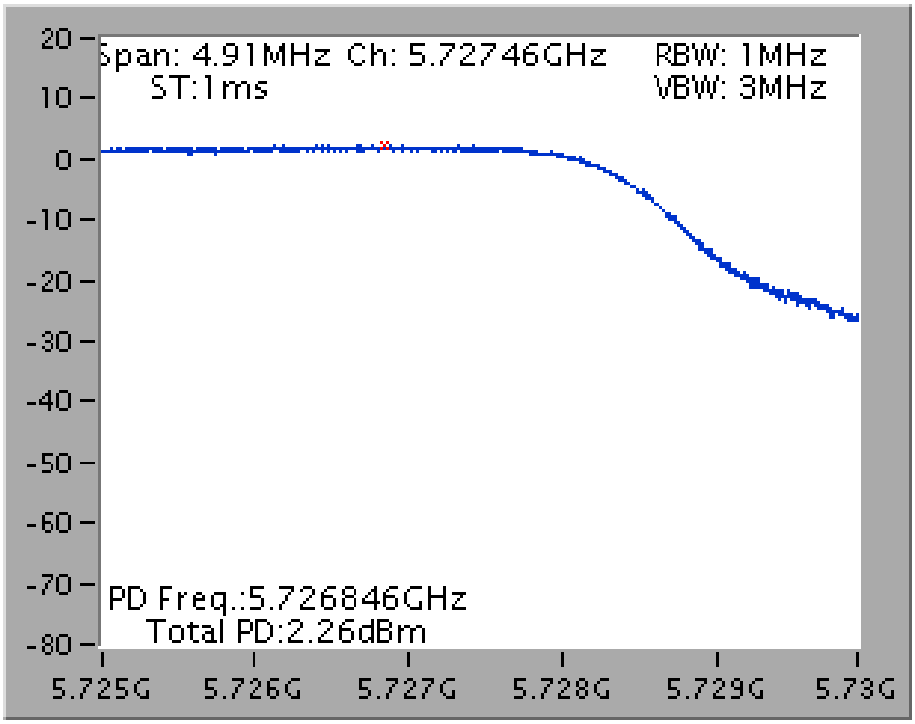
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5825 MHz



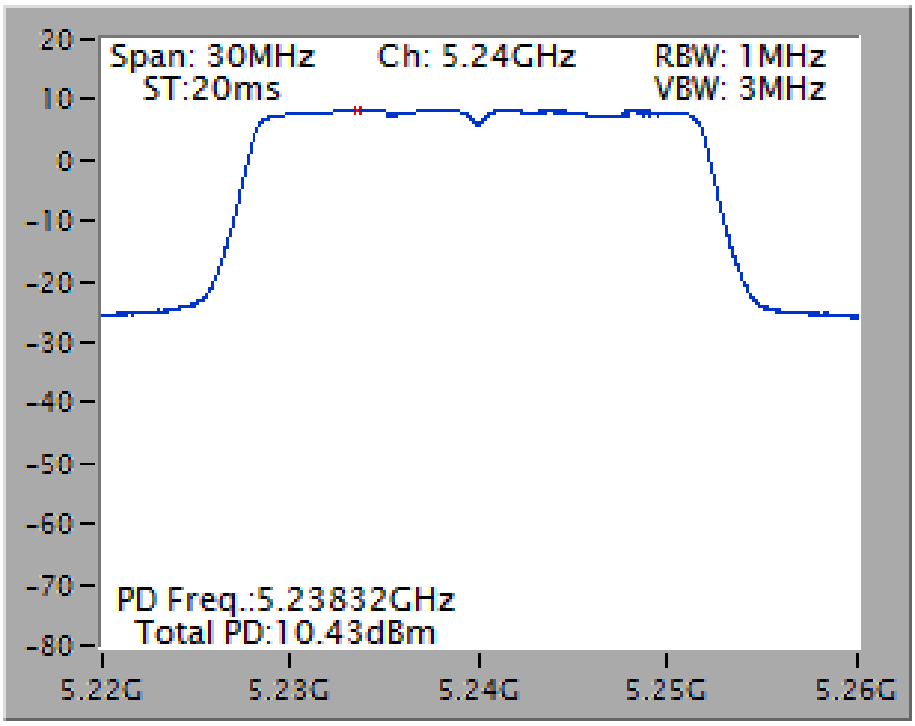
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



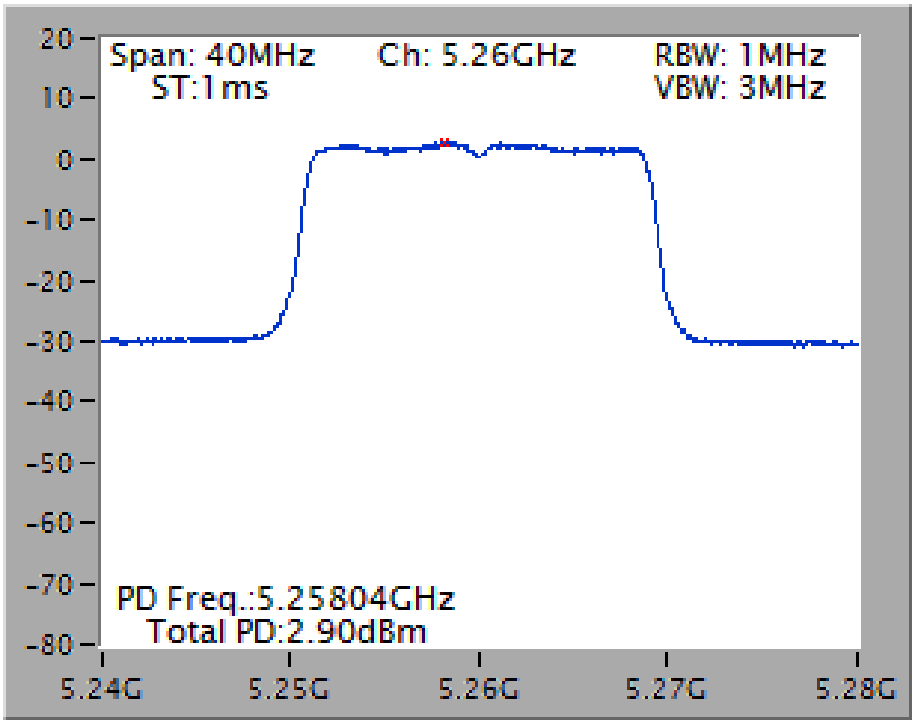
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)



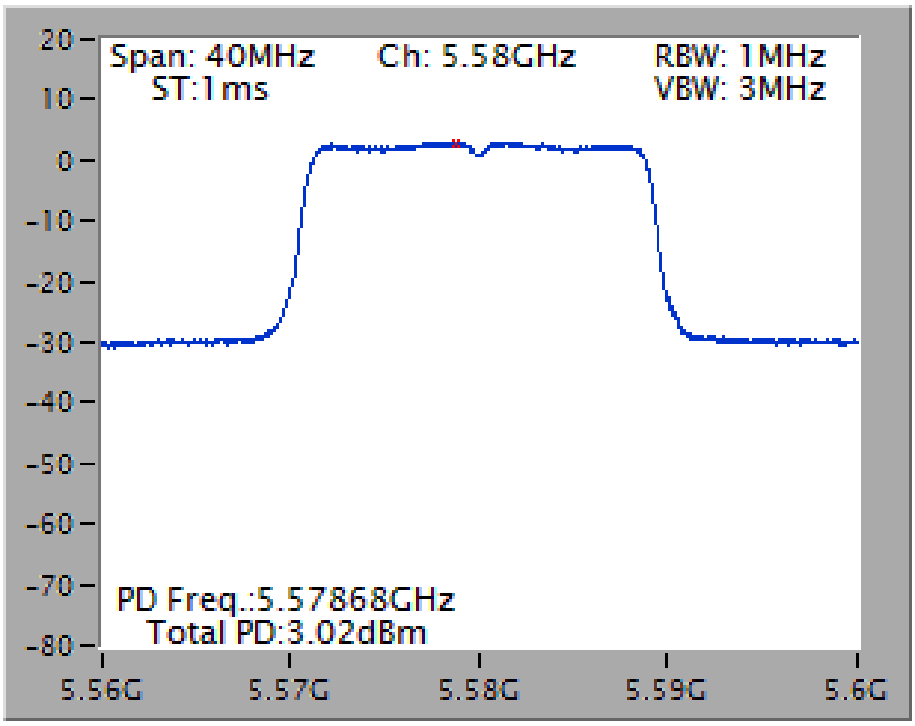
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5240 MHz



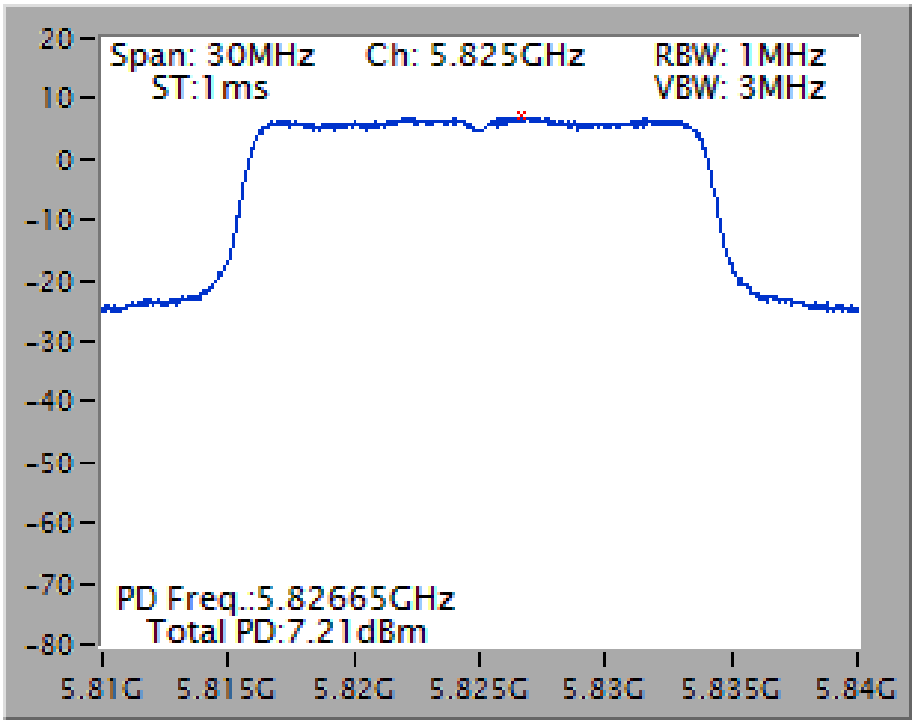
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



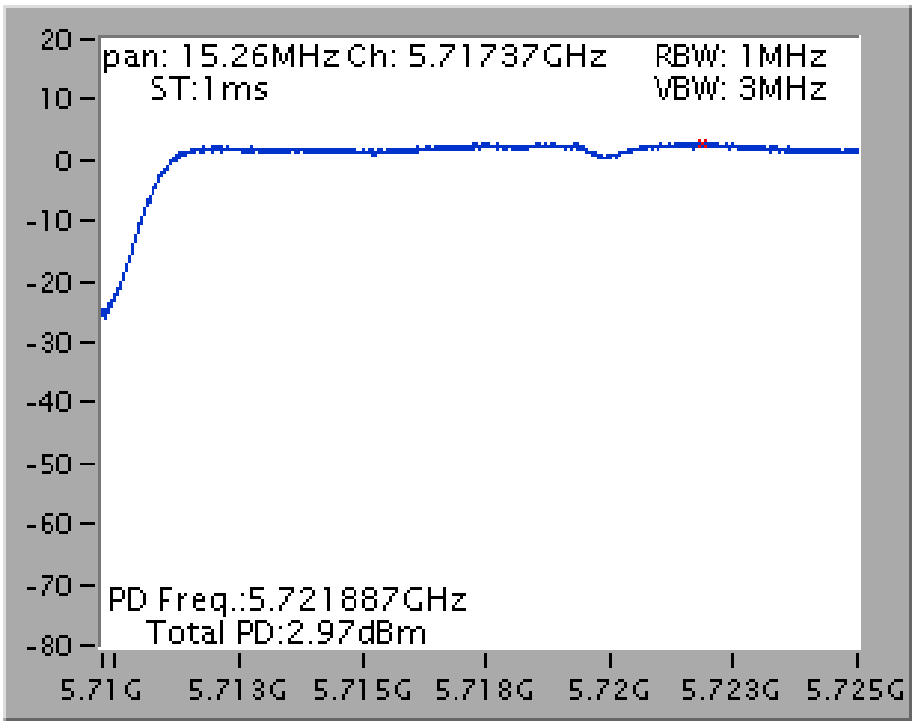
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



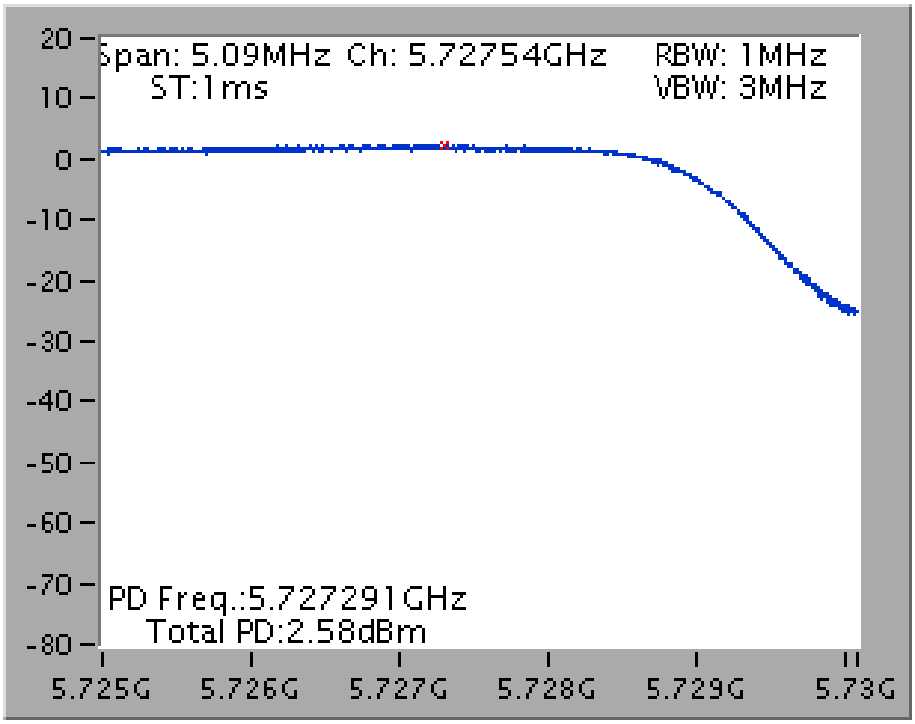
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5825 MHz



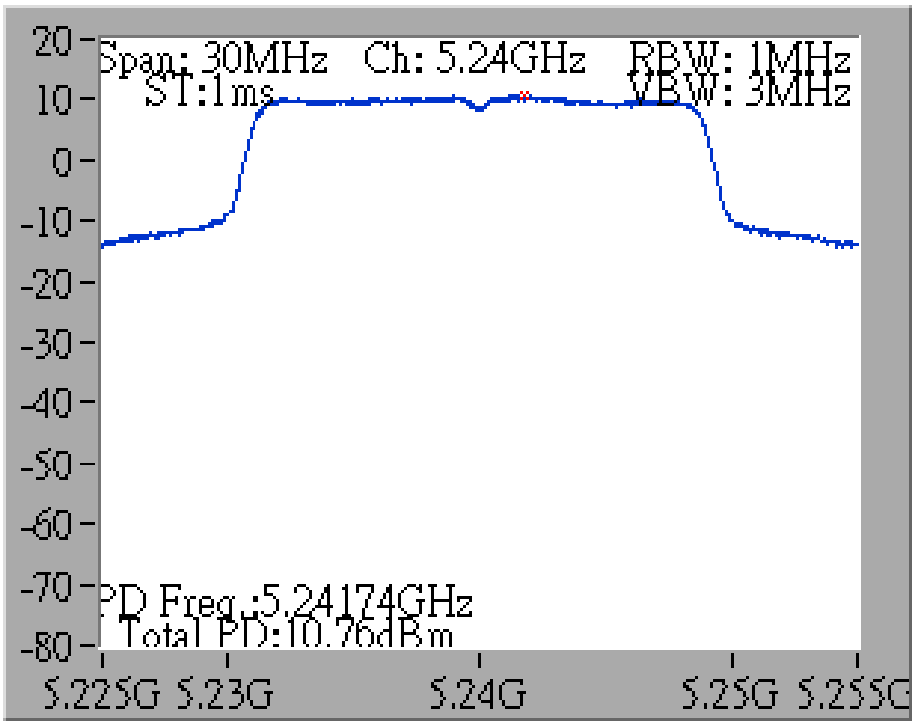
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



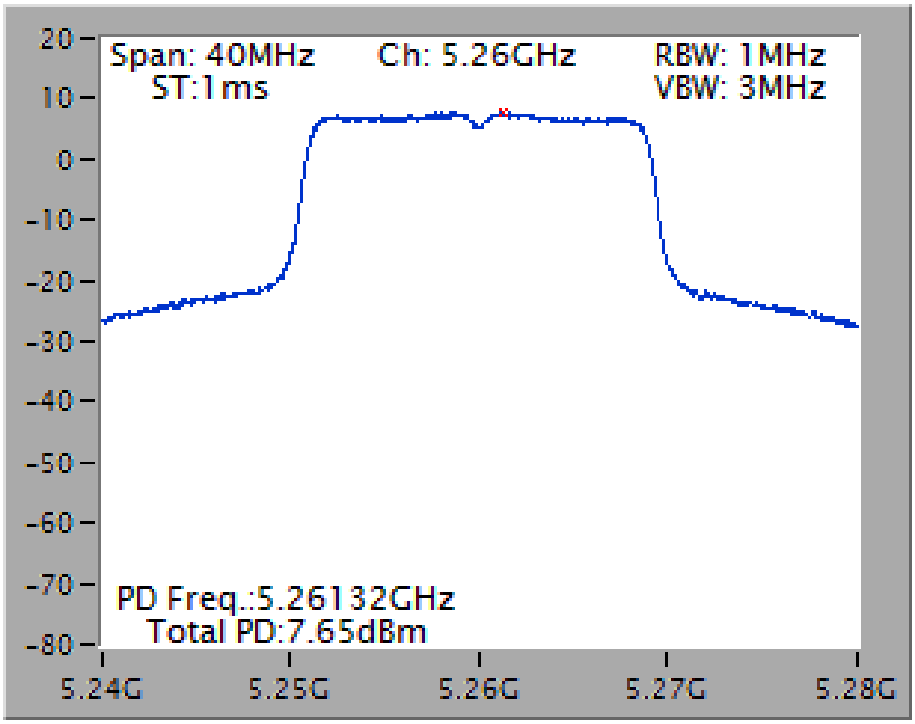
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)



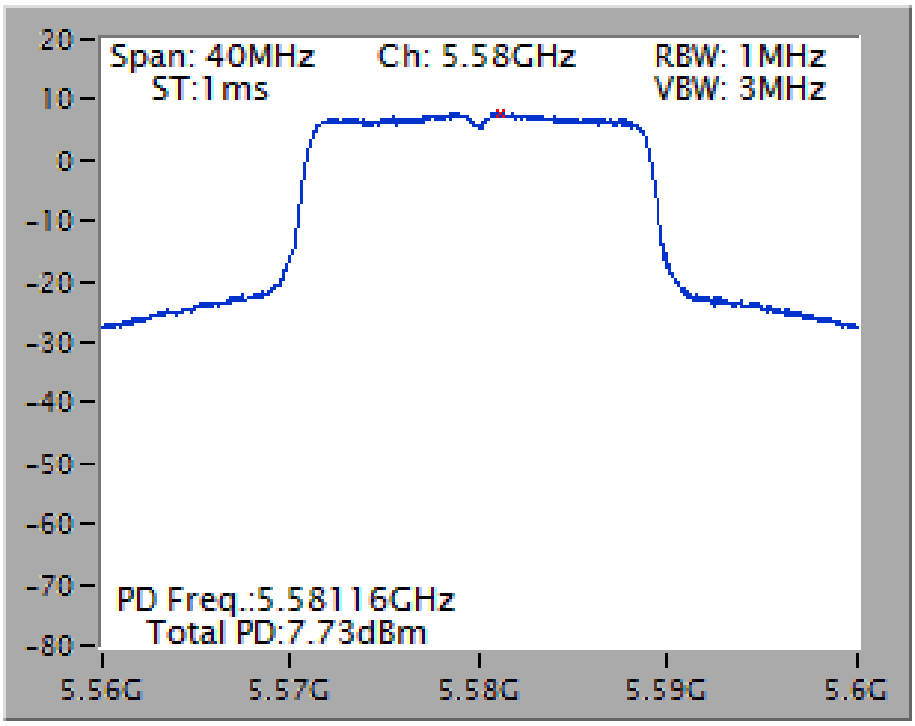
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5240 MHz



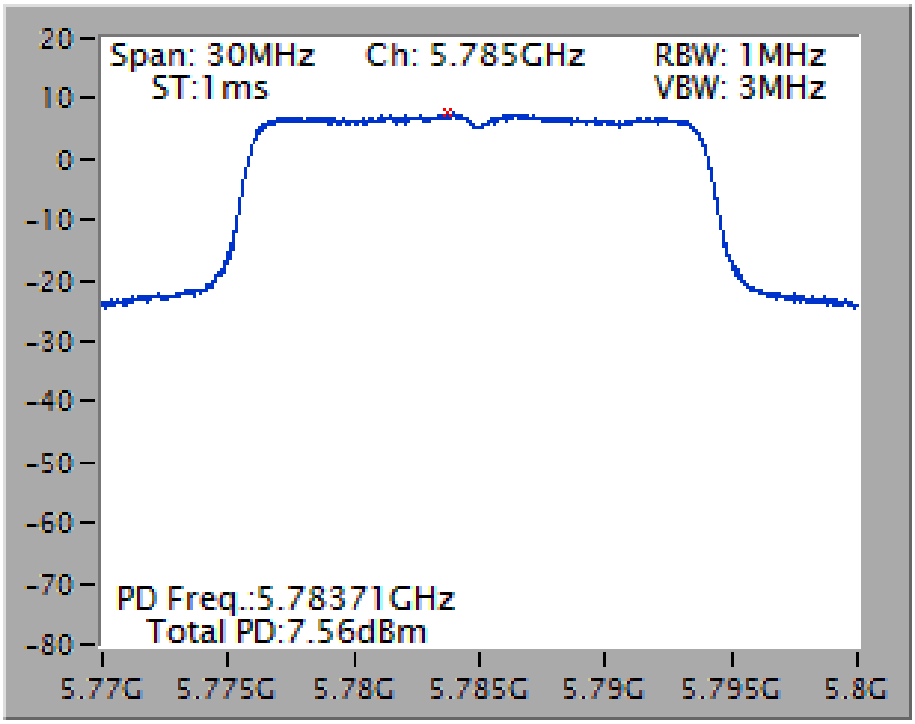
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



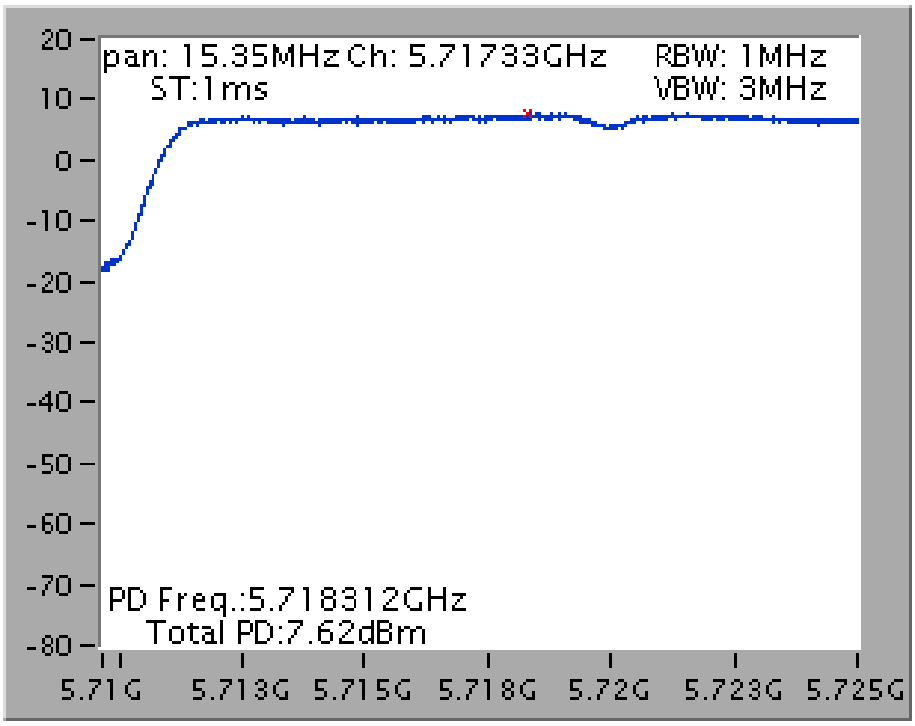
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



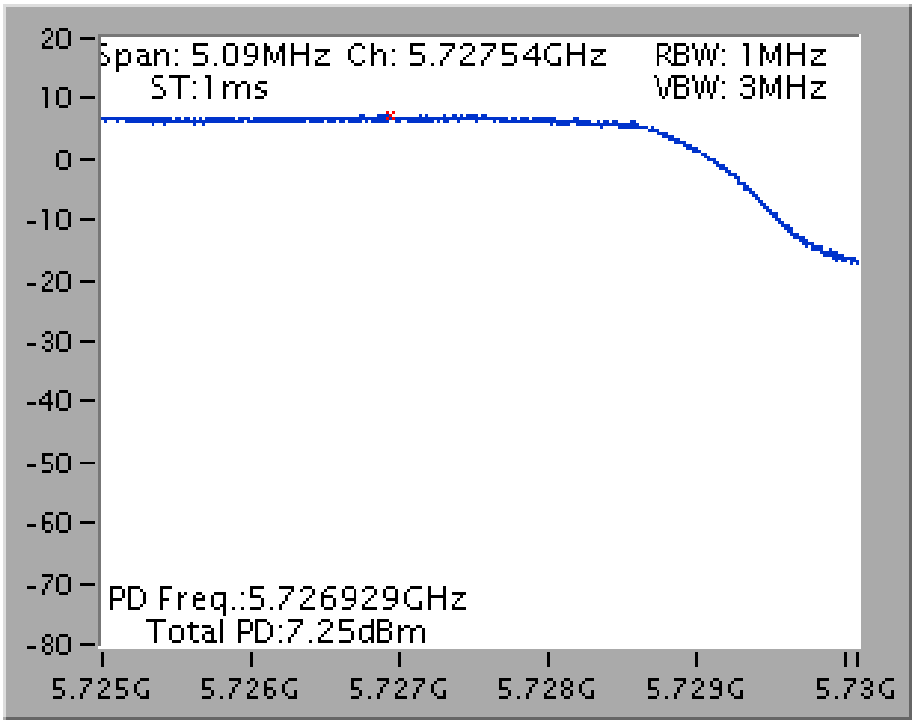
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



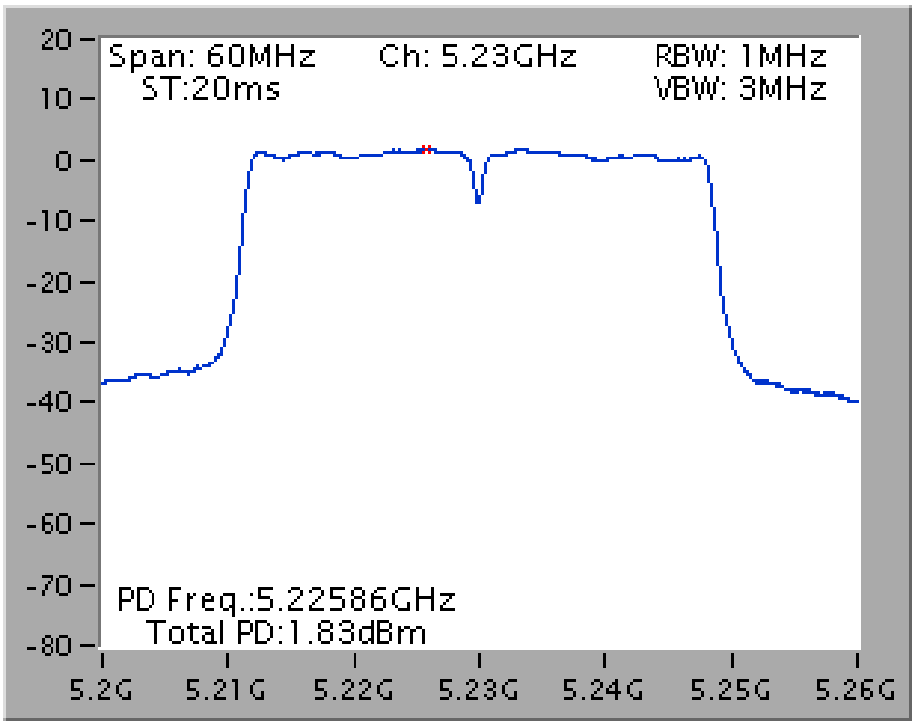
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



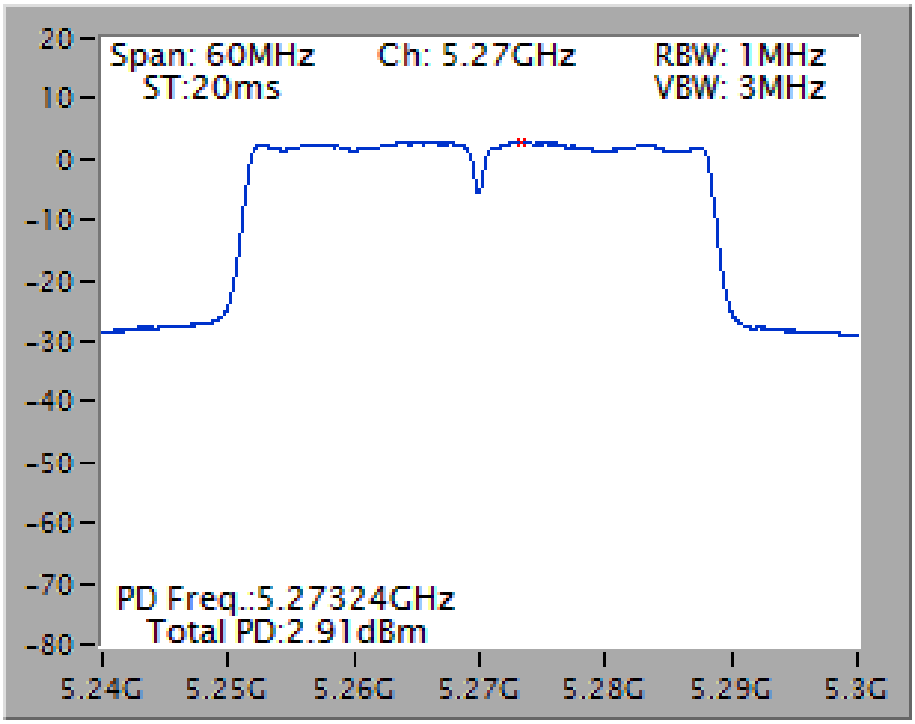
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)



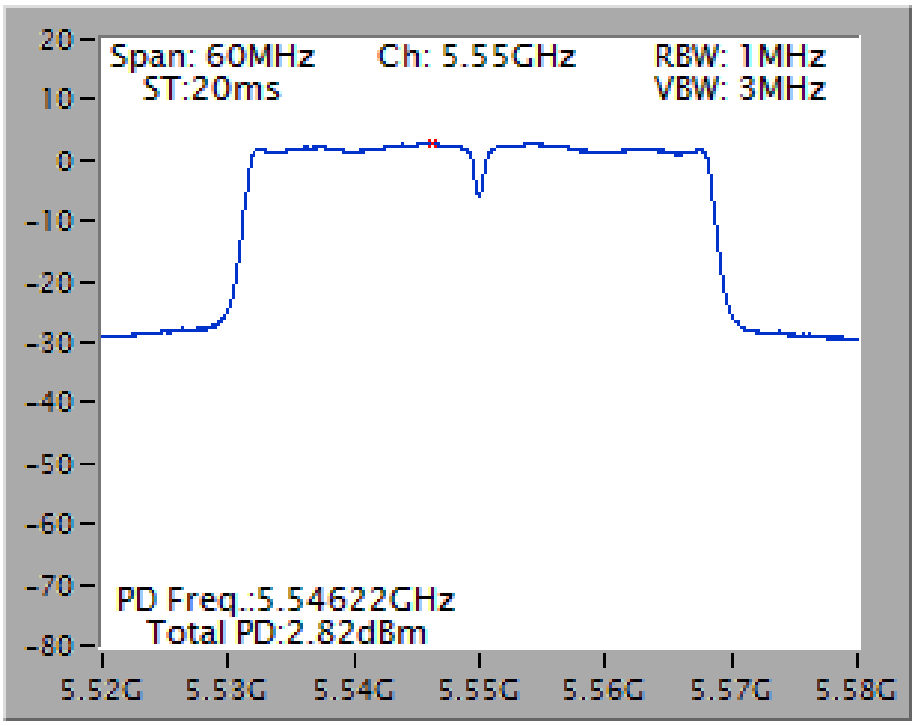
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



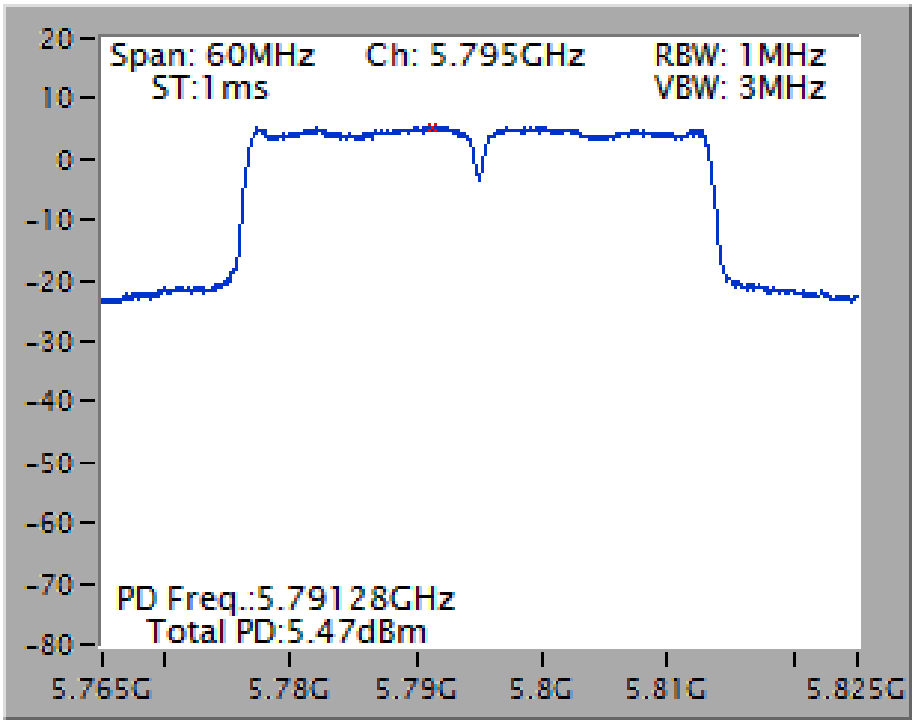
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



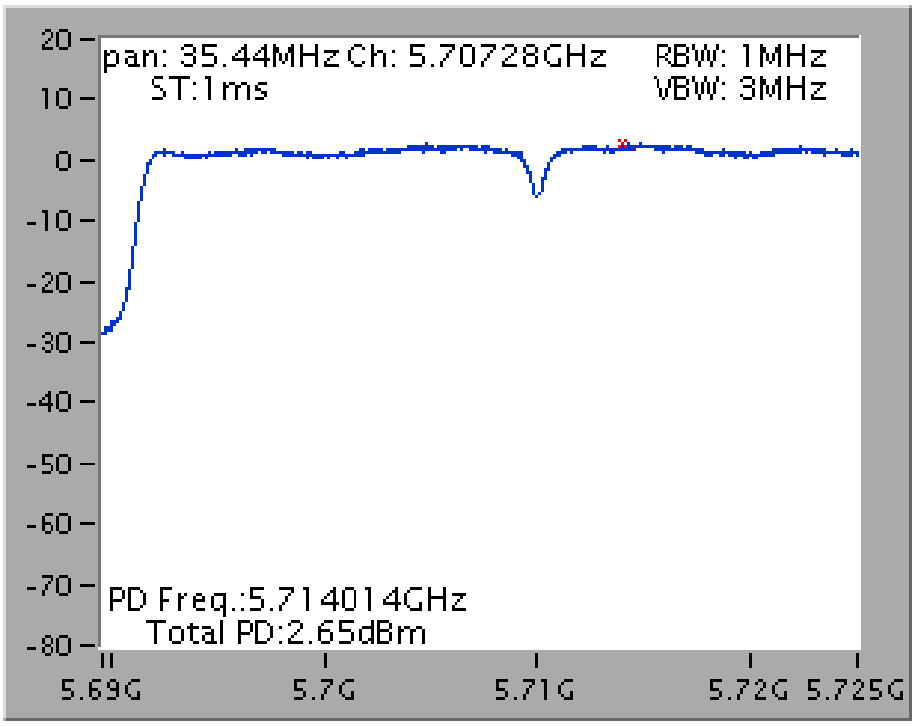
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



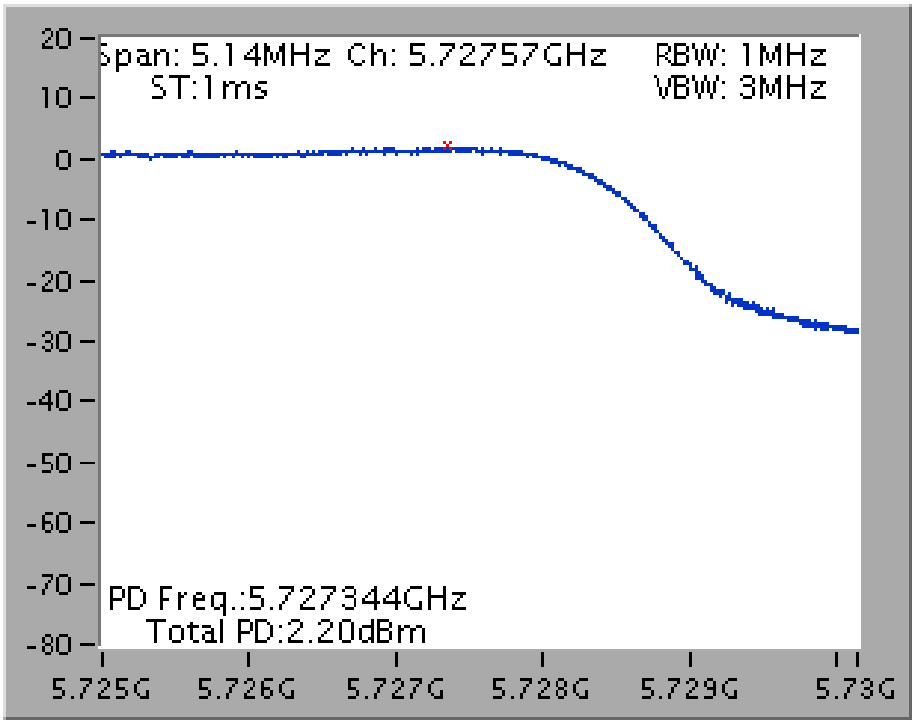
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



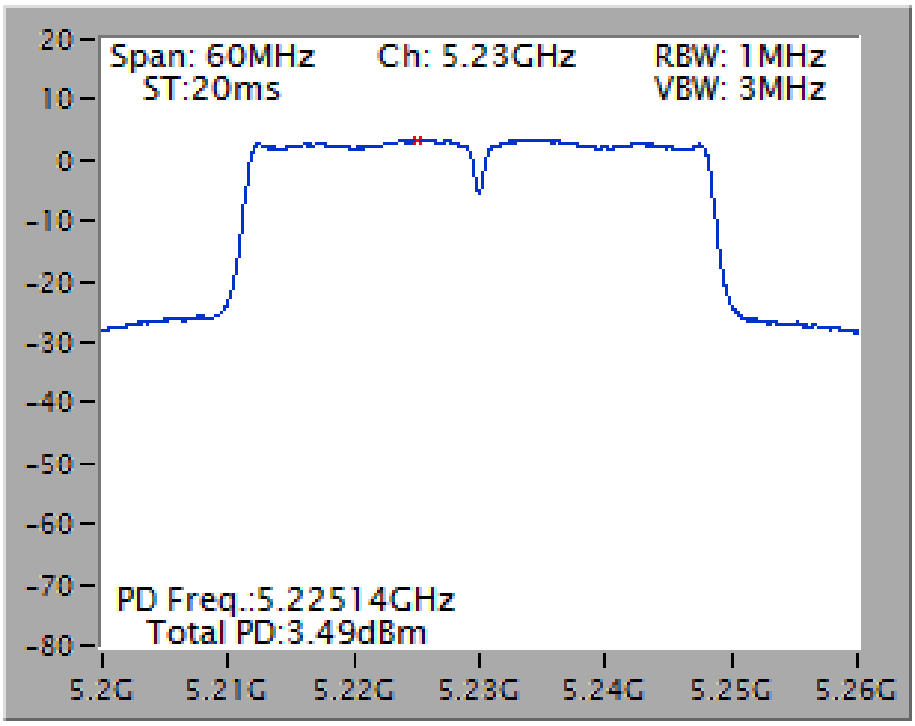
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



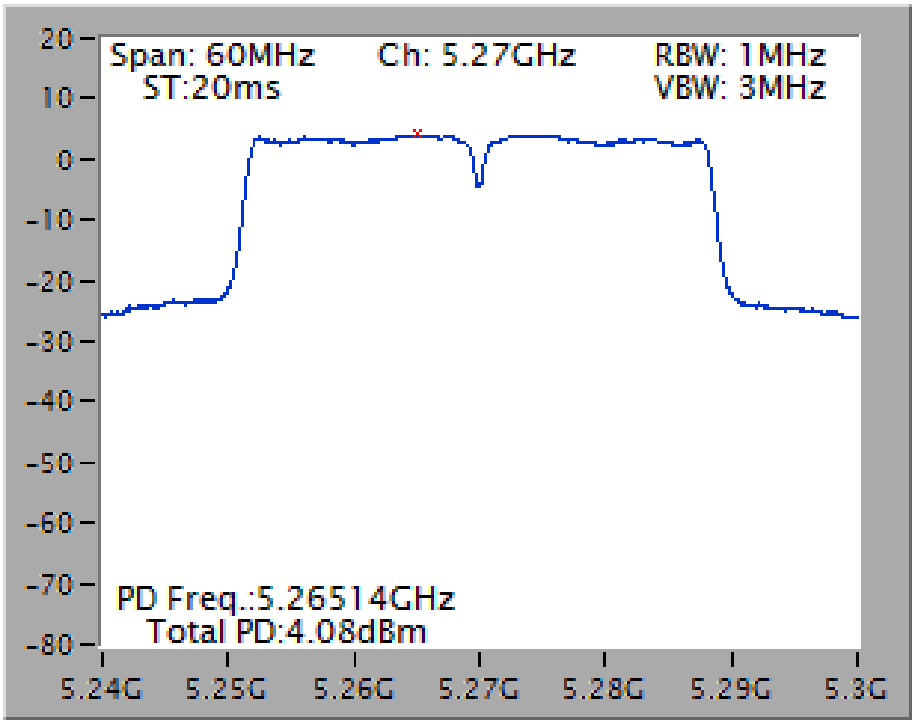
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)



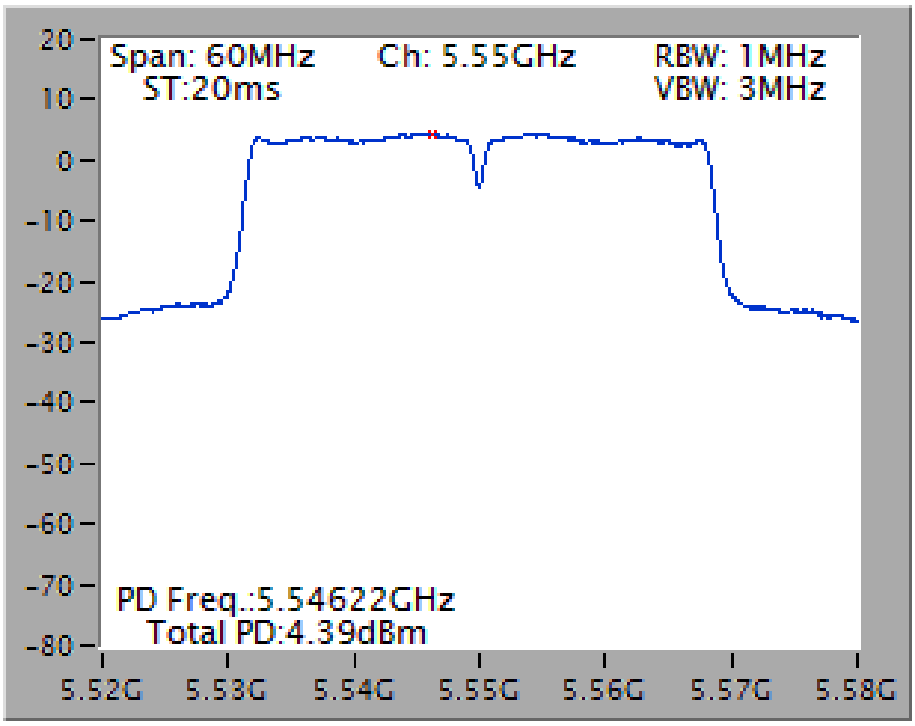
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



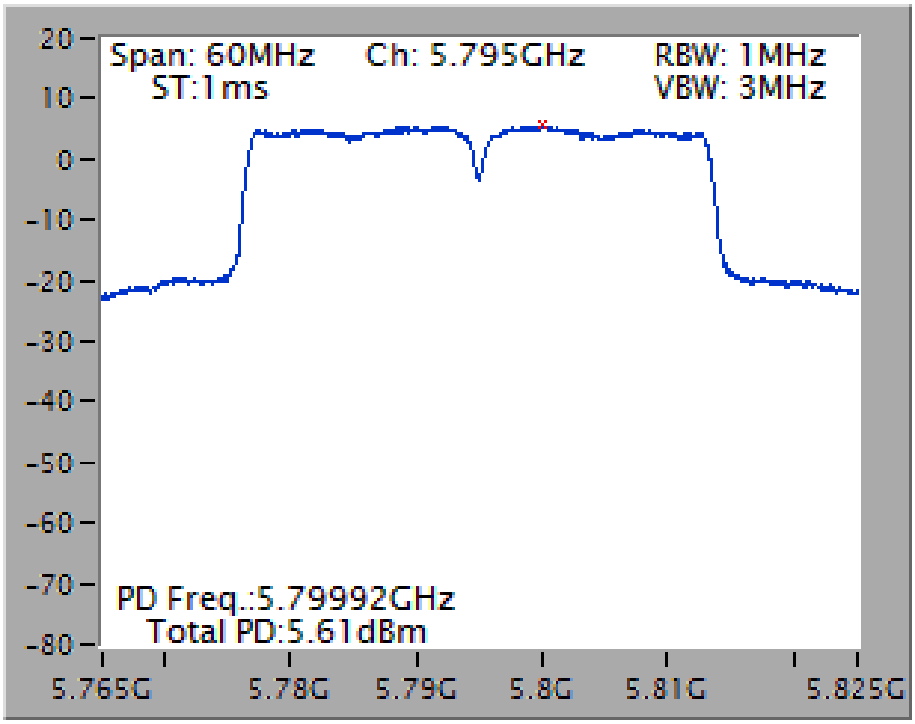
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



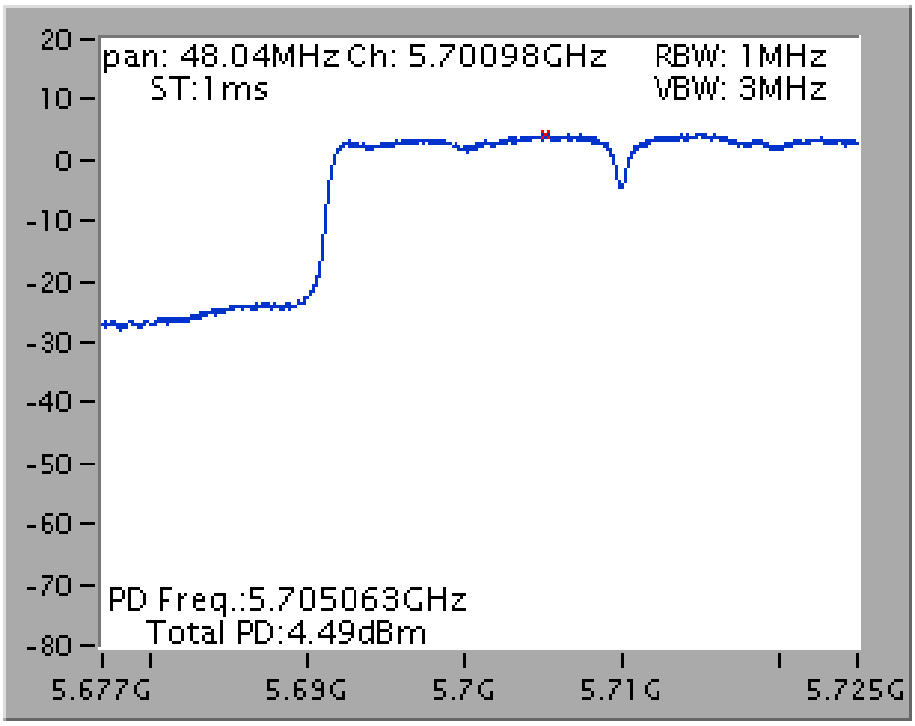
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



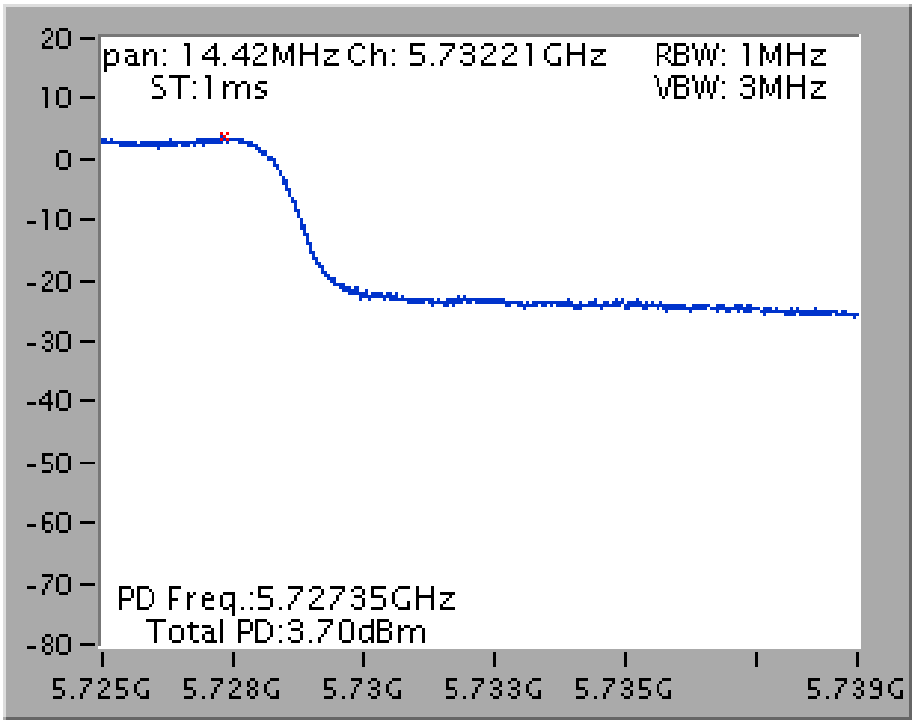
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



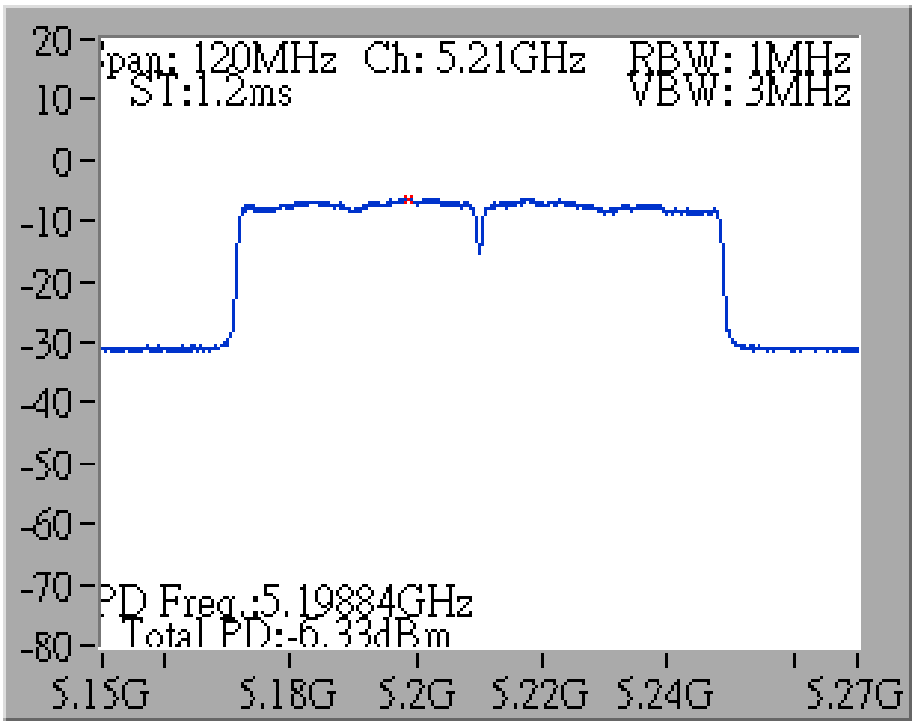
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



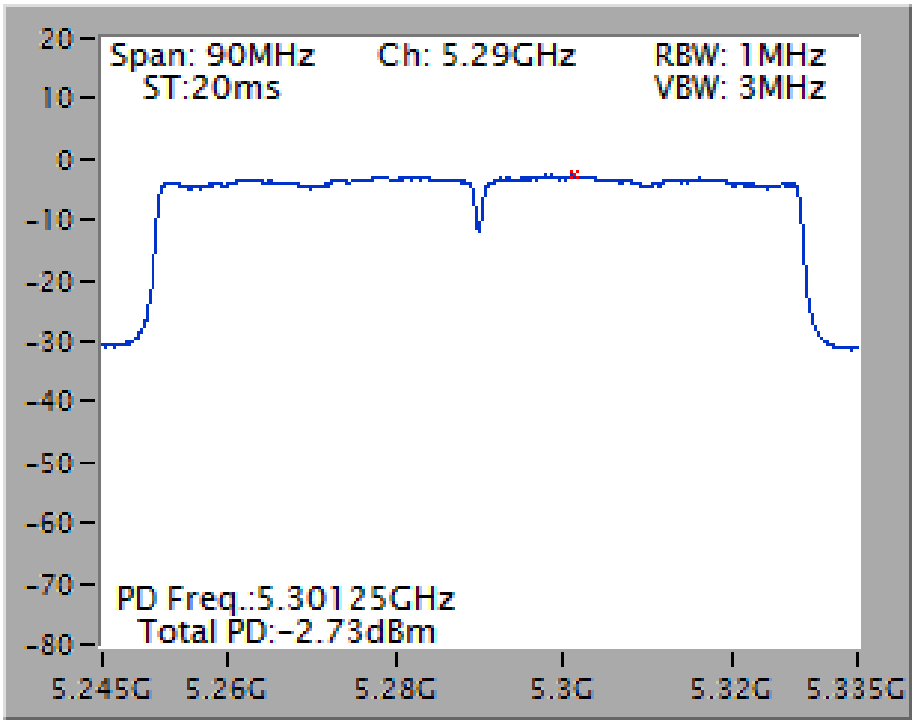
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)



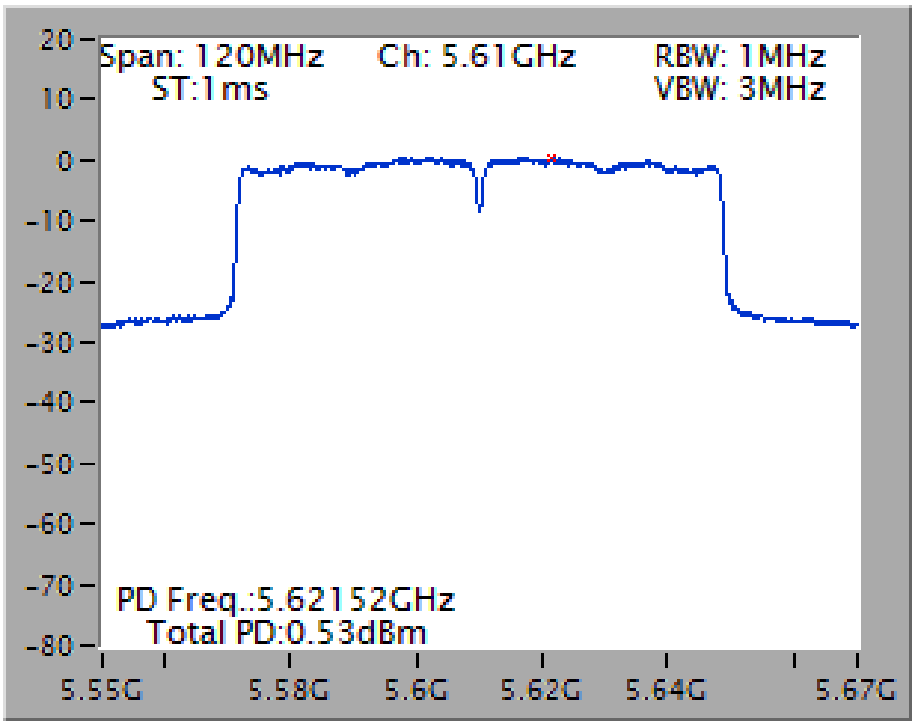
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



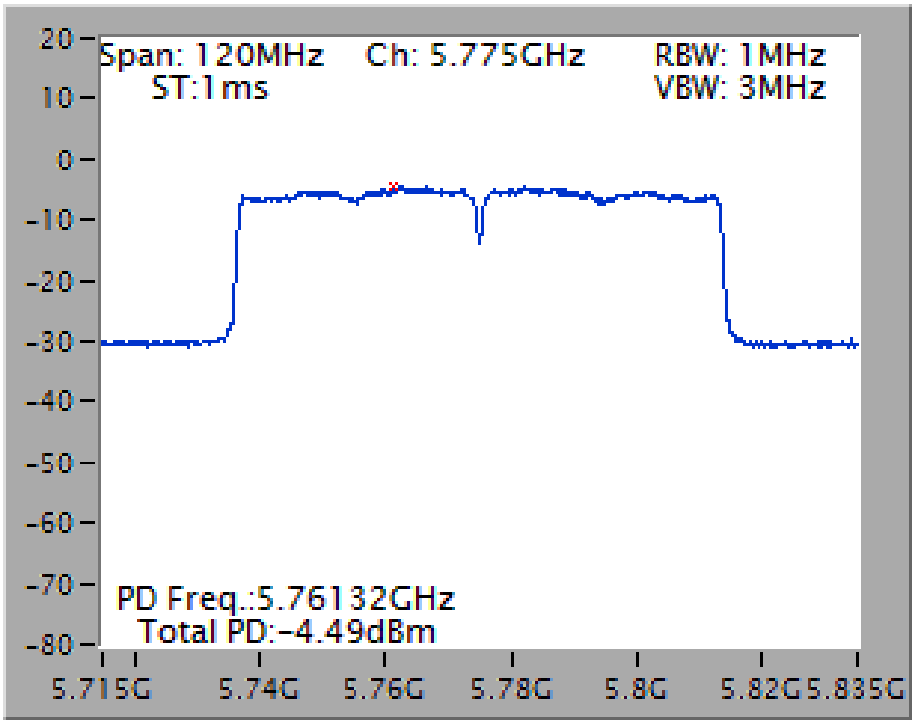
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



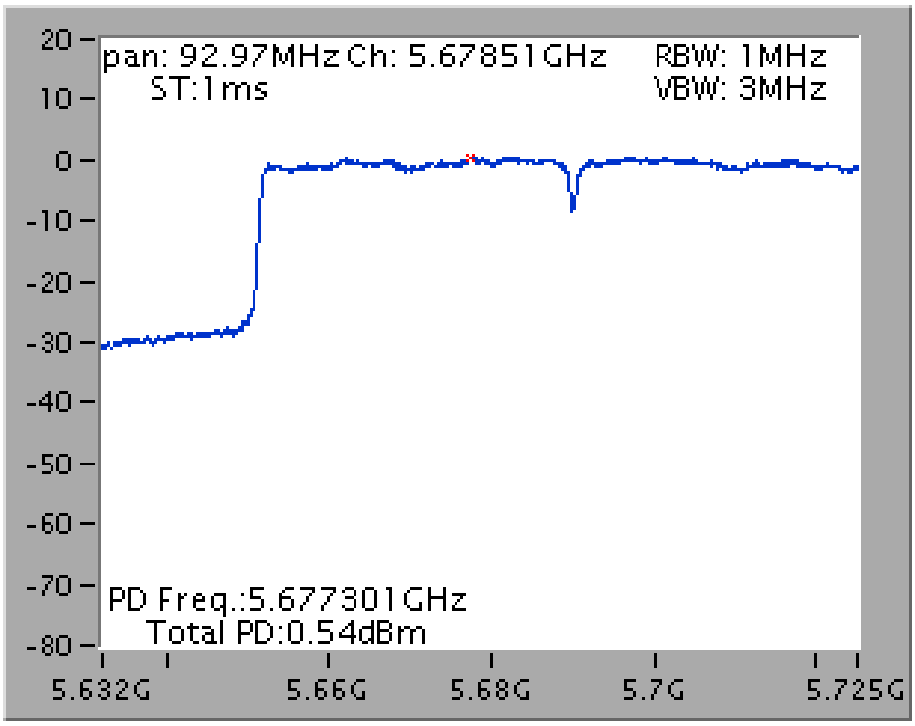
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz



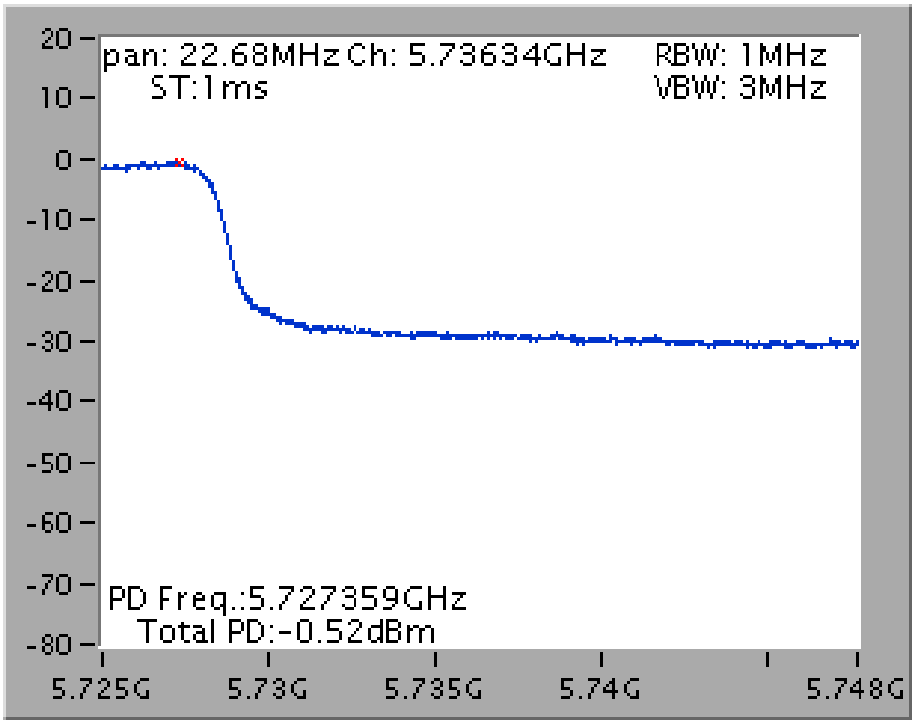
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



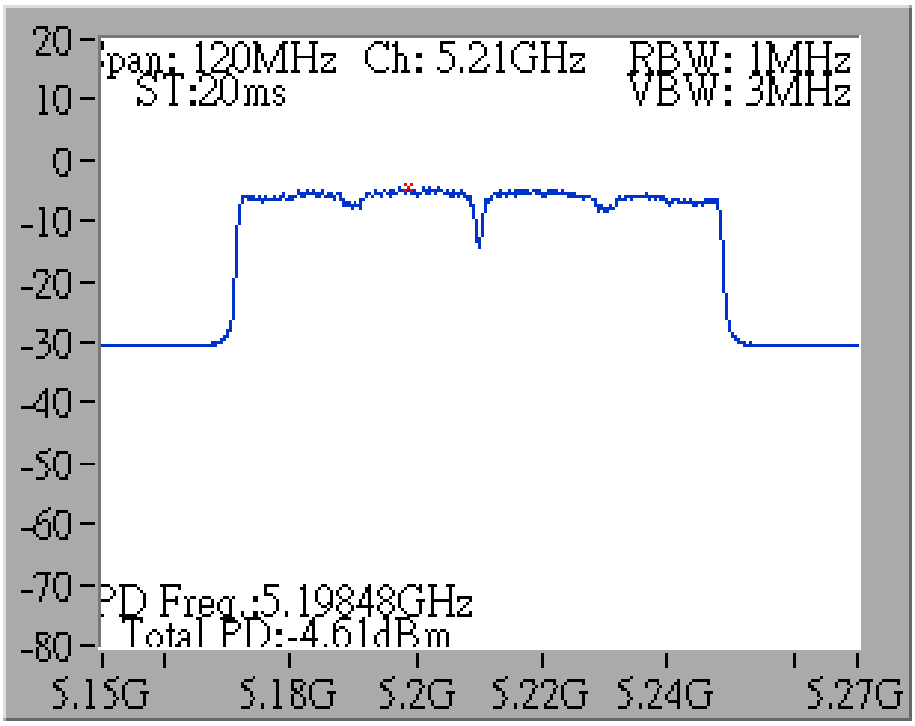
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)



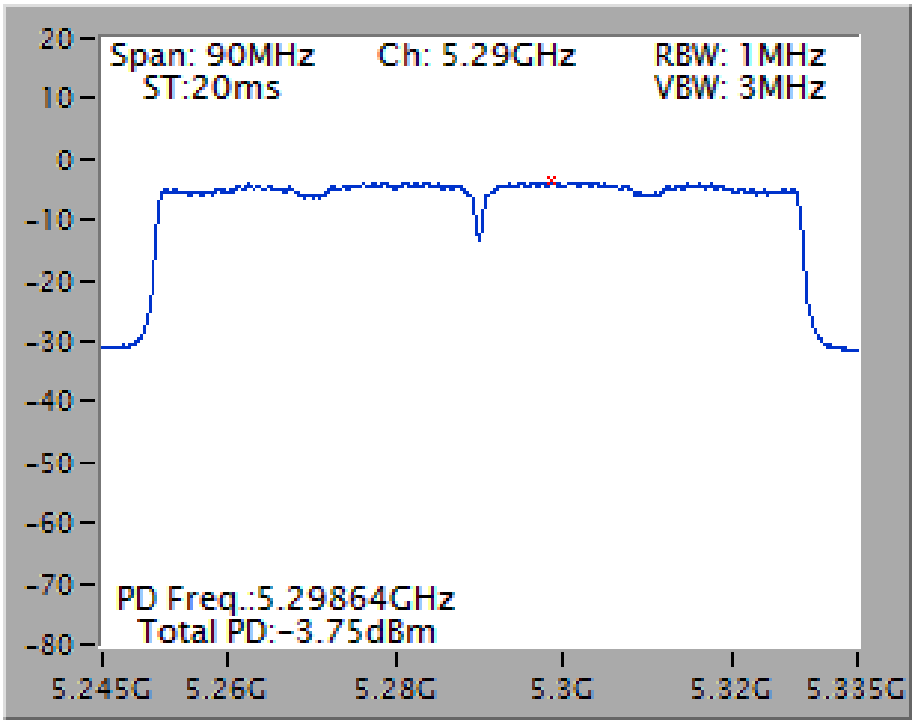
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)



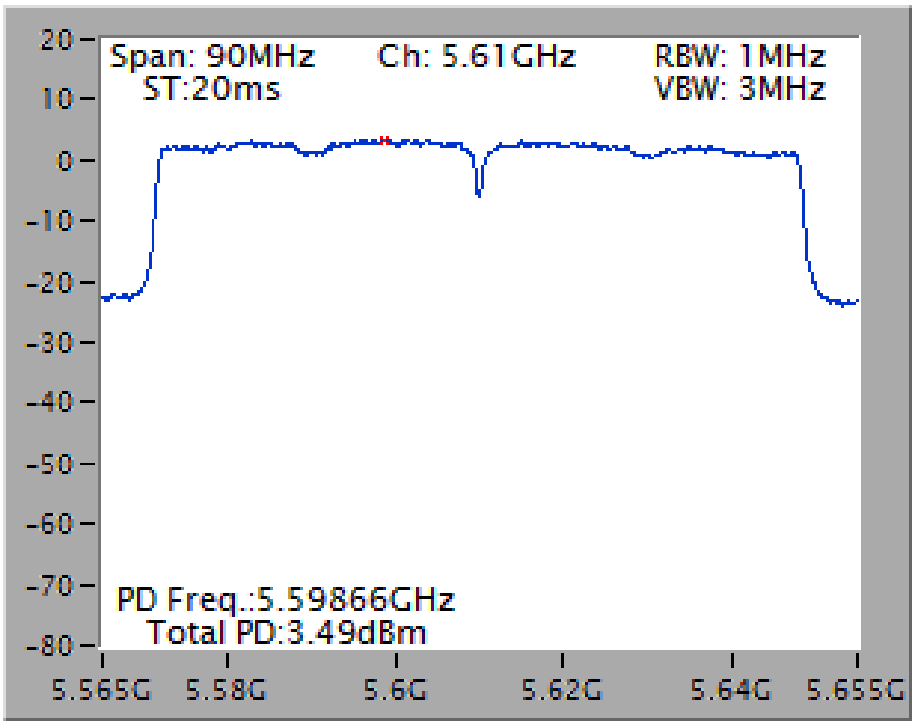
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



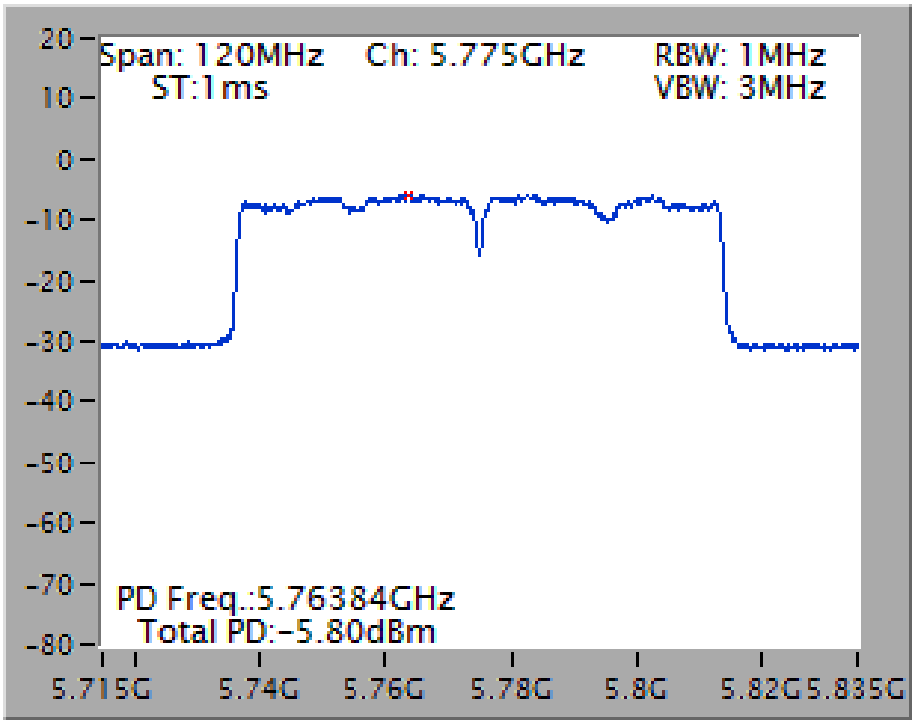
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



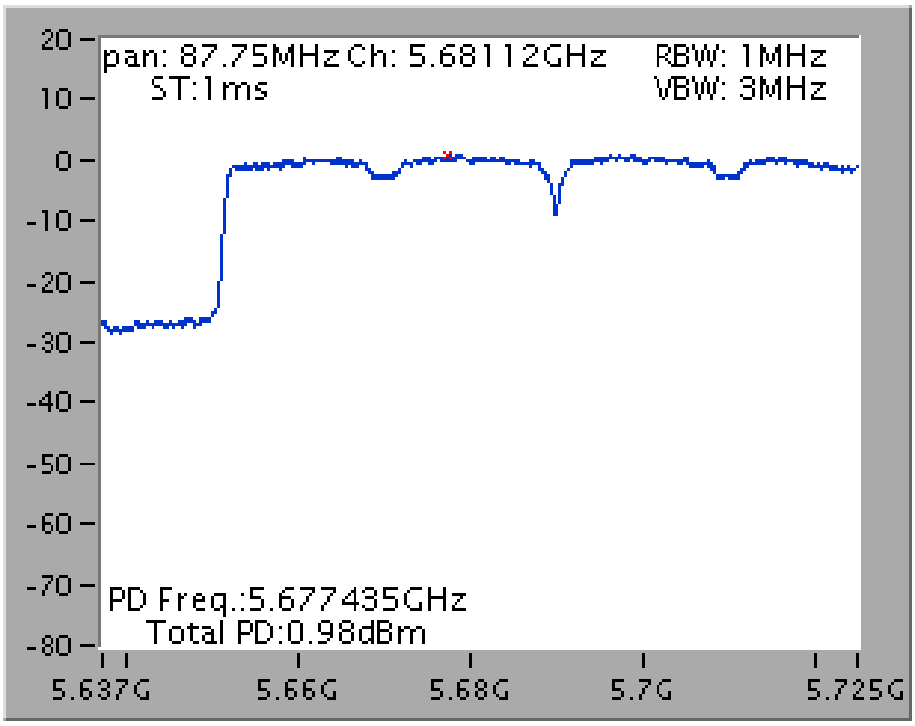
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz



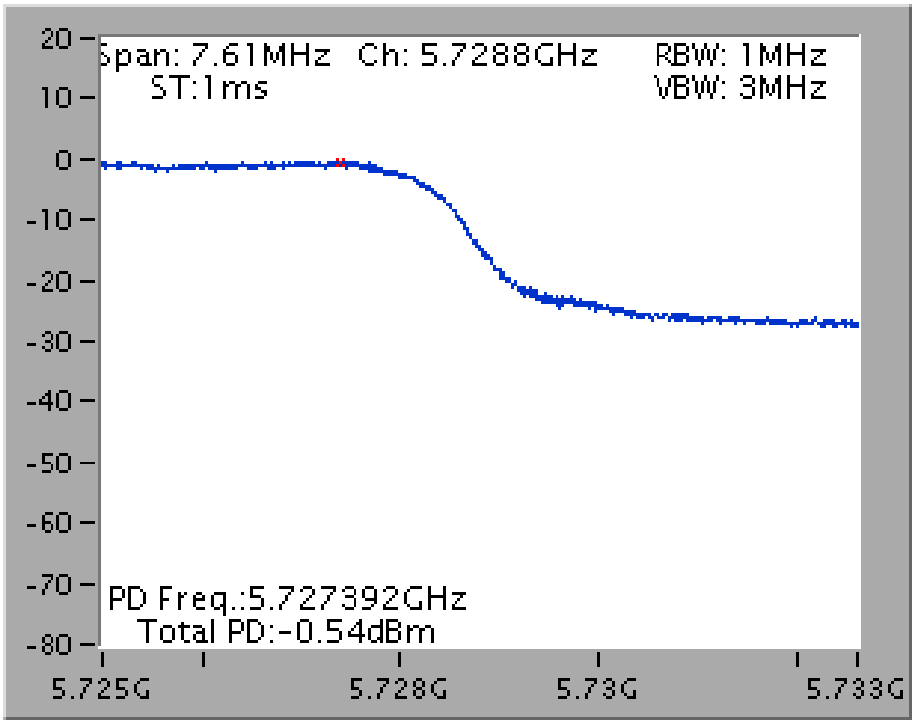
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)

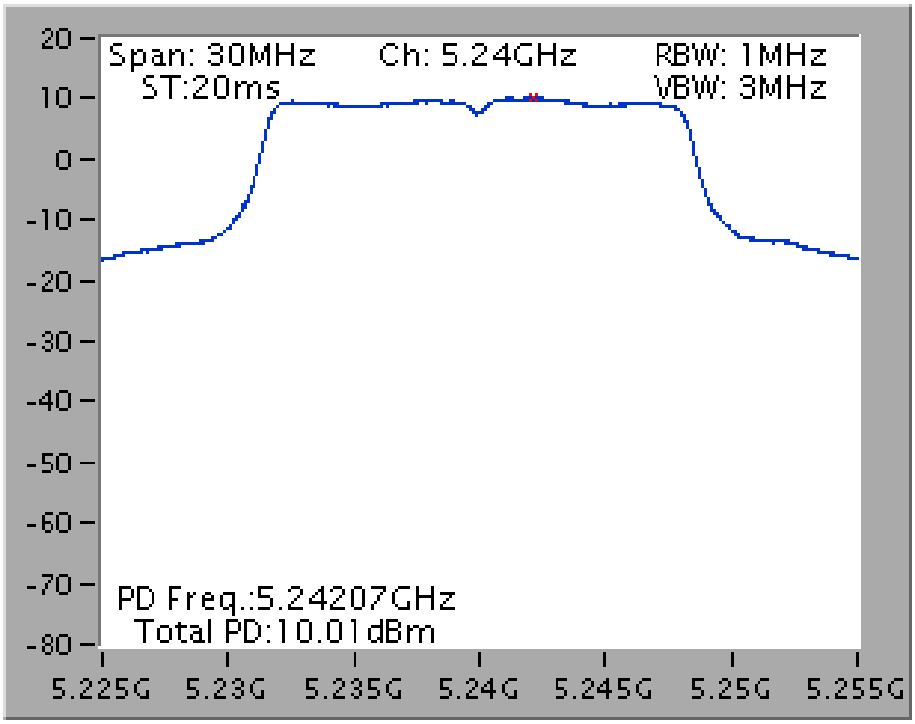


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)

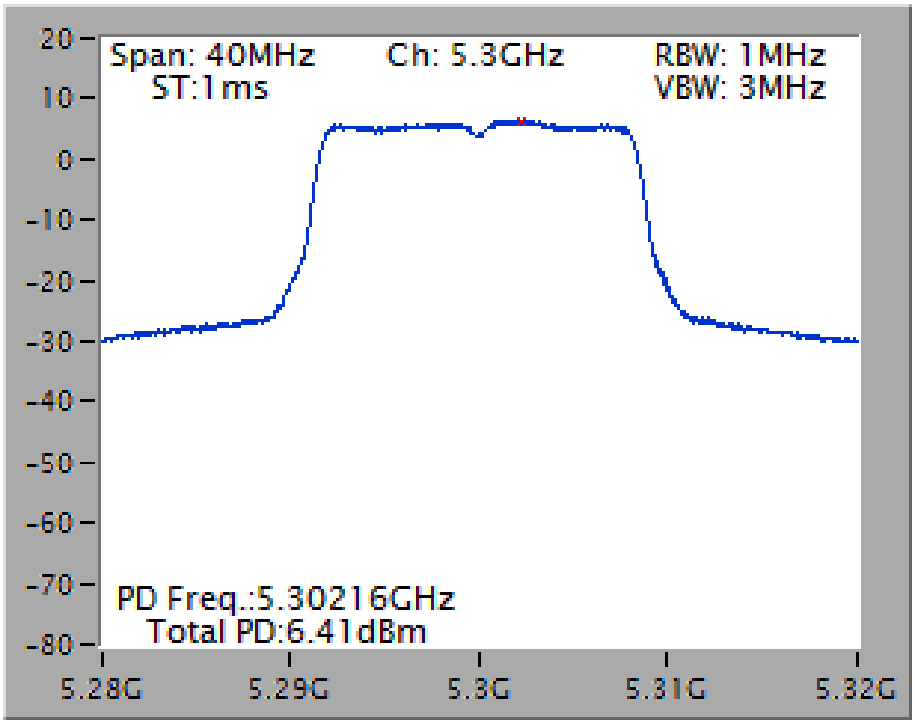


Mode 4 (Ant. 5 PCB antenna / 5.74dBi)

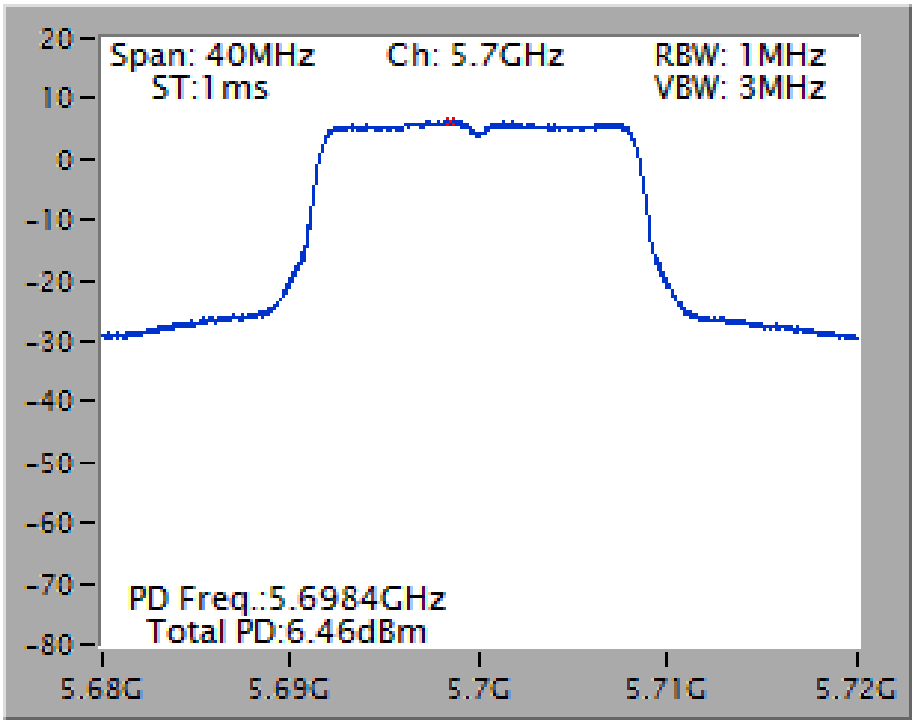
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5240 MHz



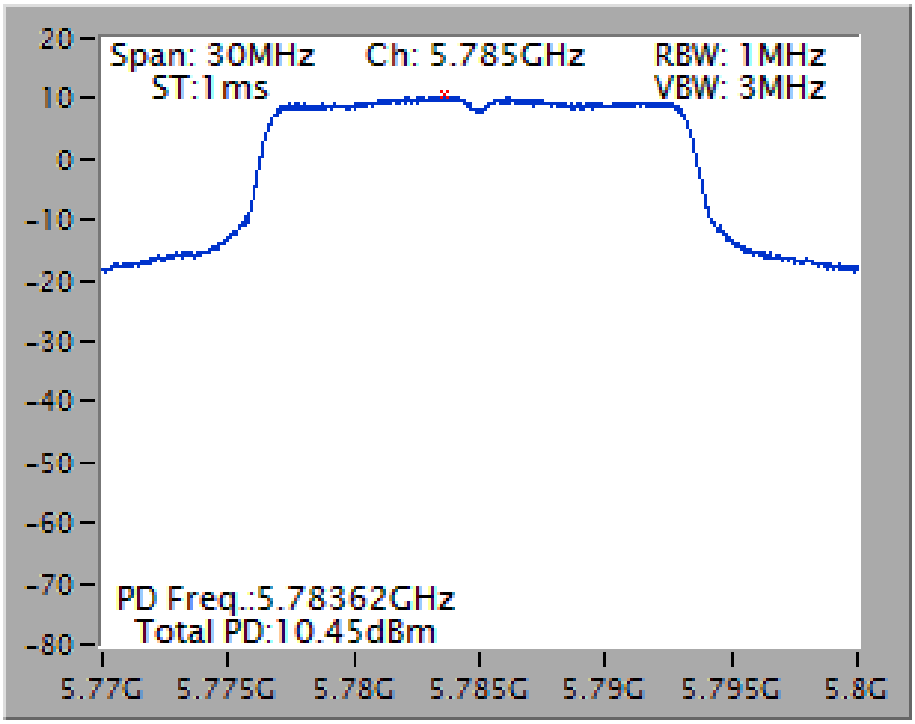
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5300 MHz



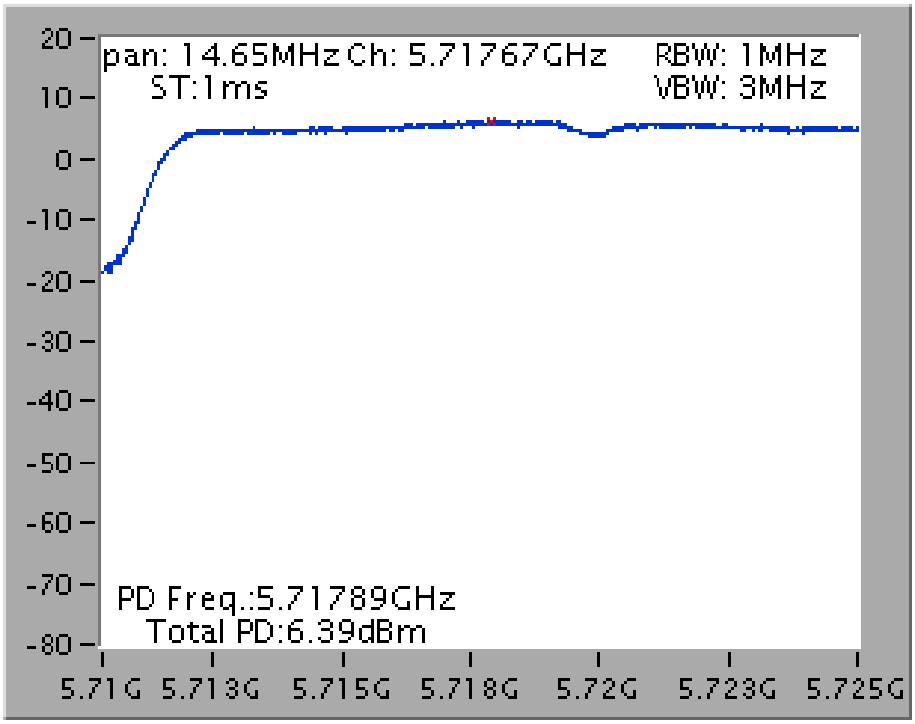
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



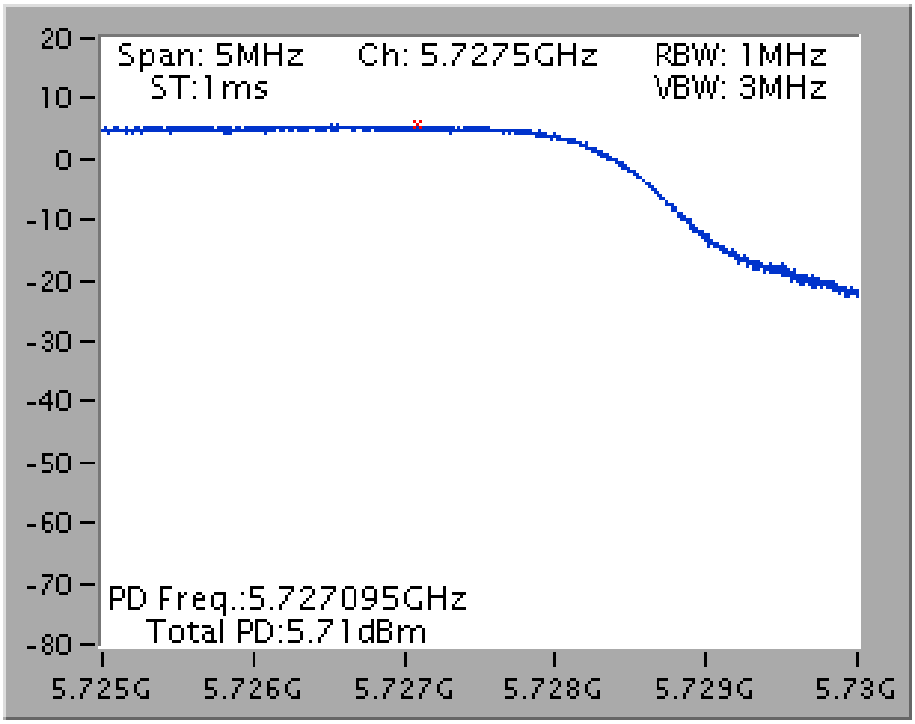
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



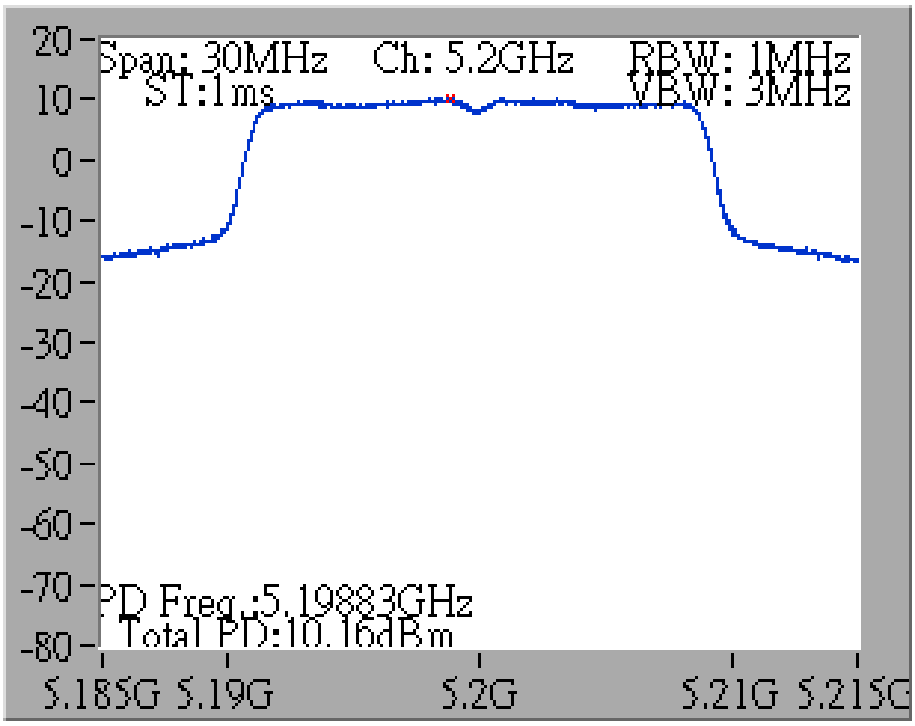
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



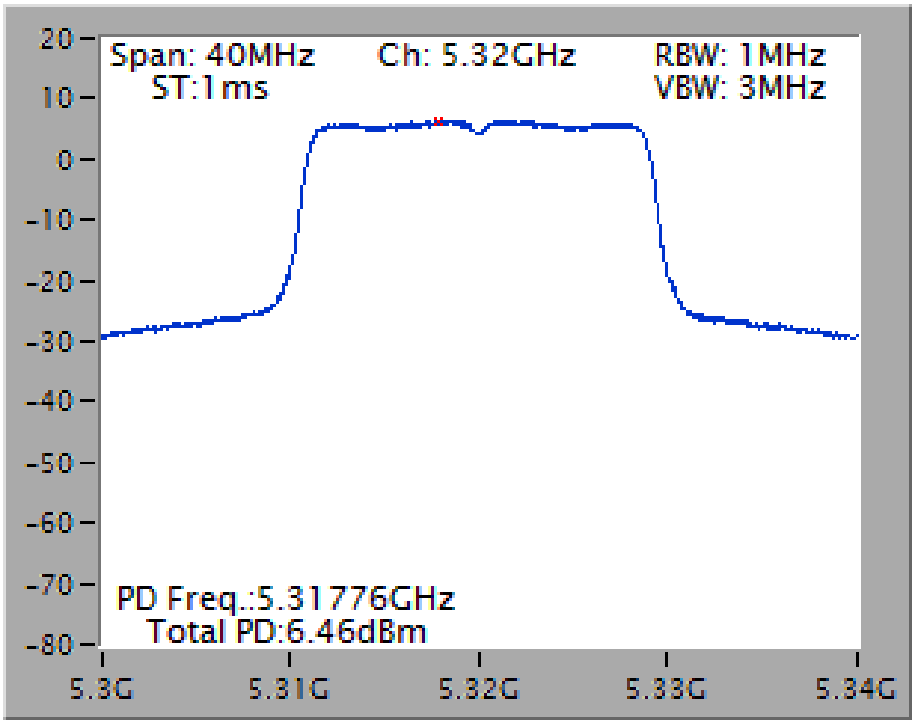
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)



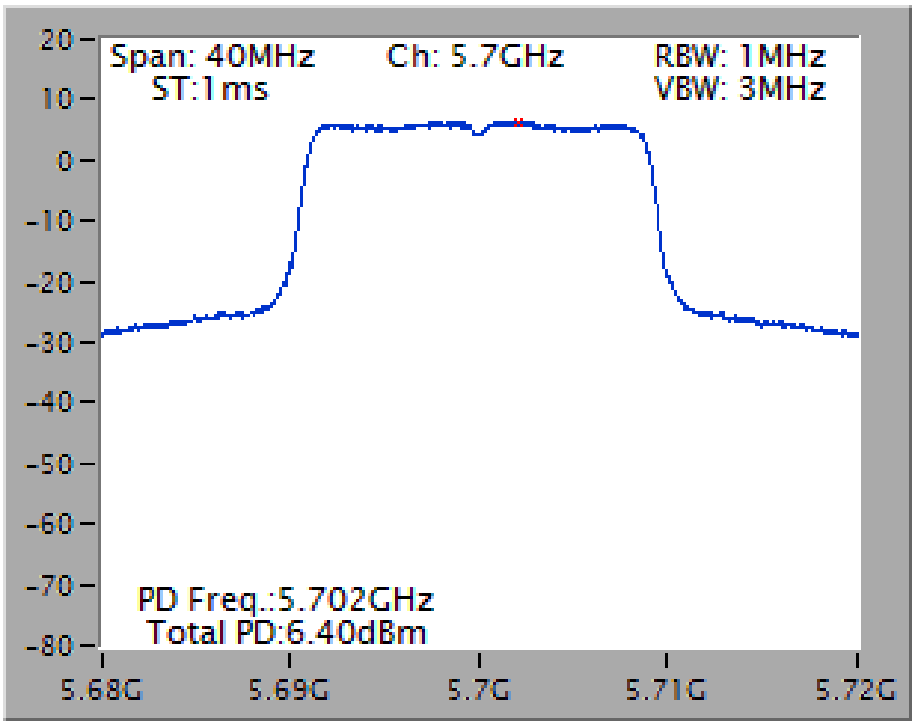
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5200 MHz



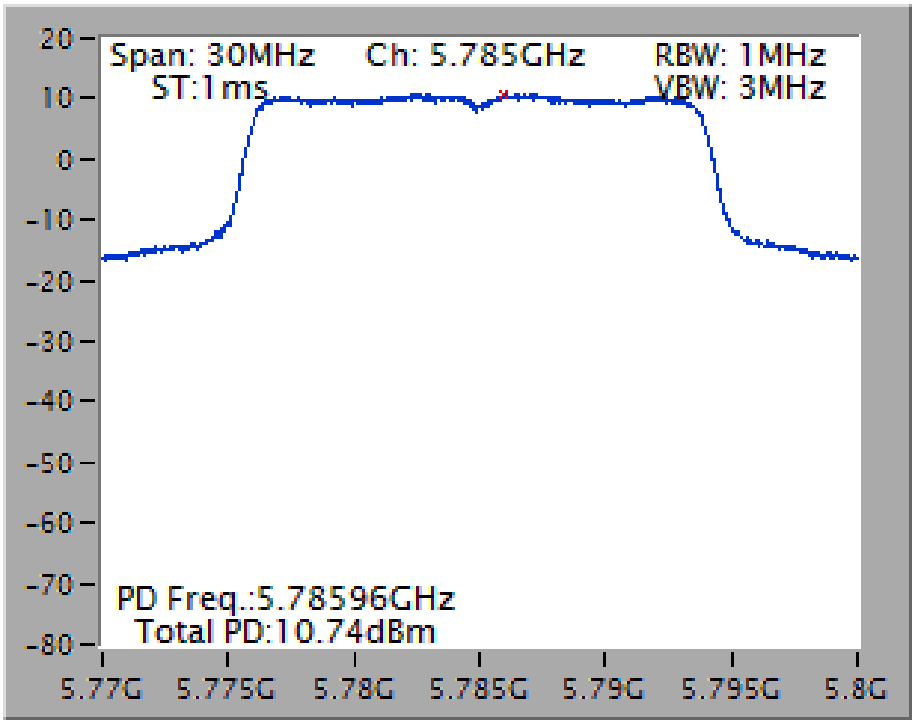
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



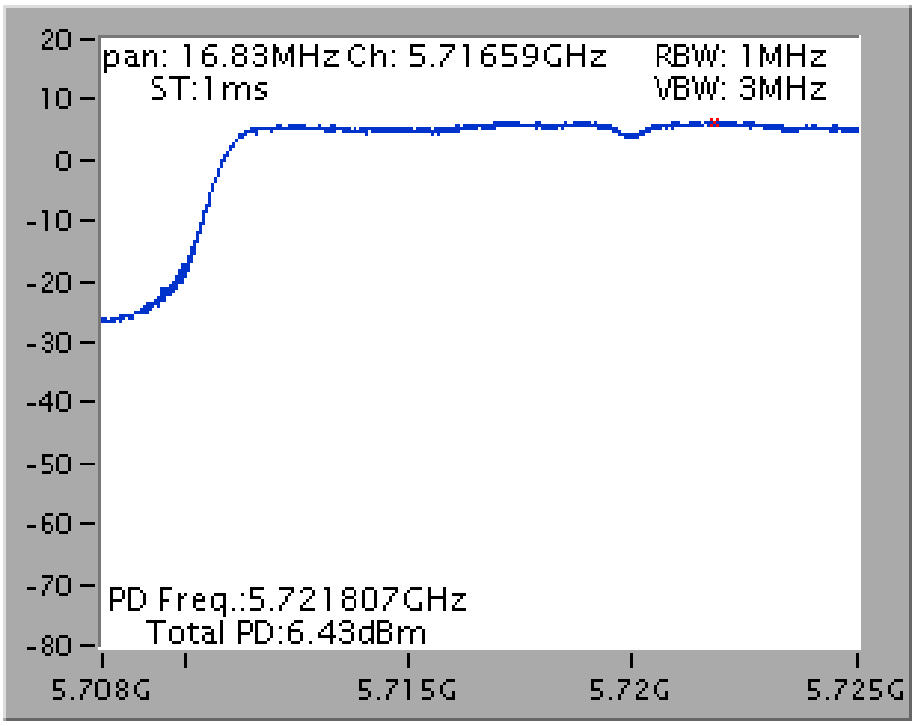
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



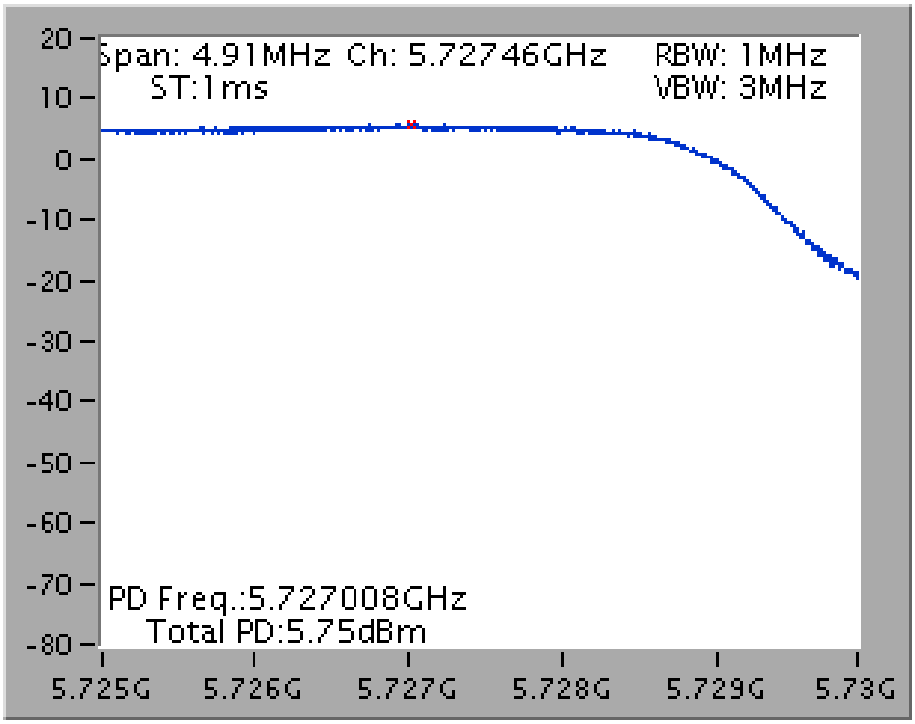
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



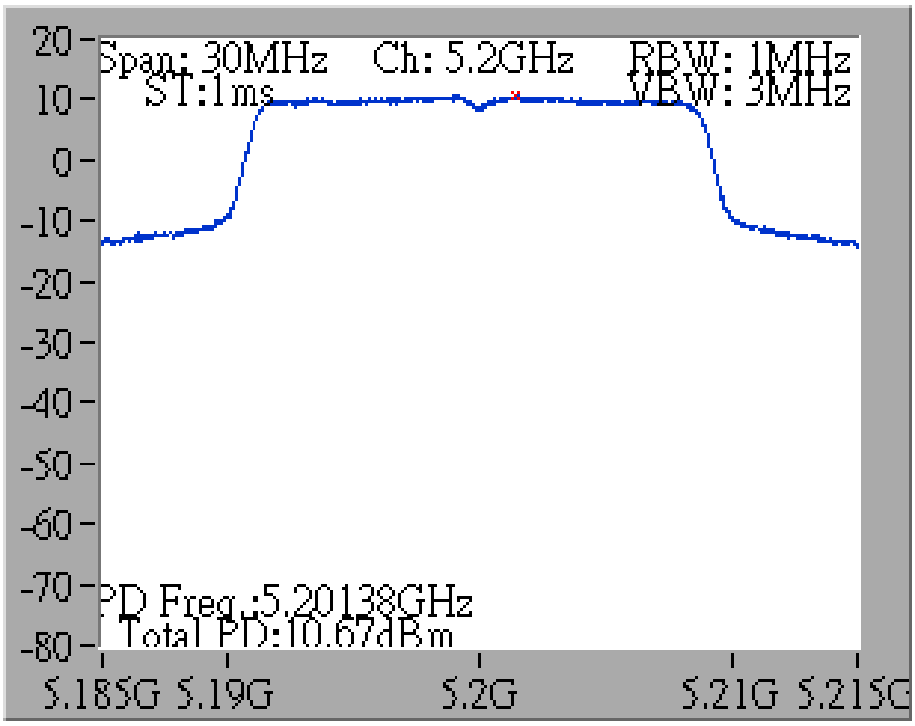
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



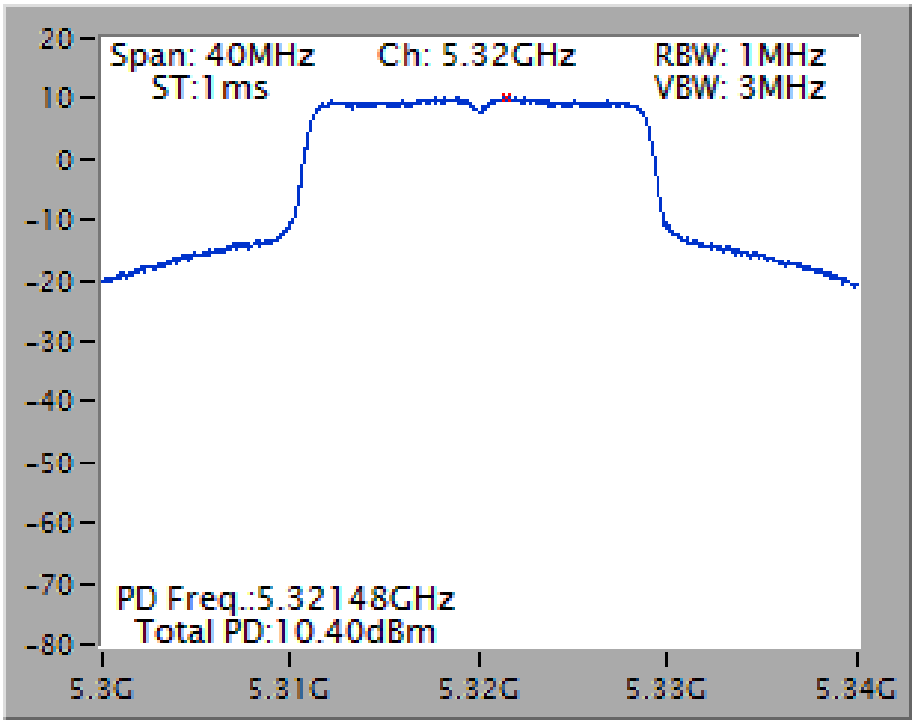
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)



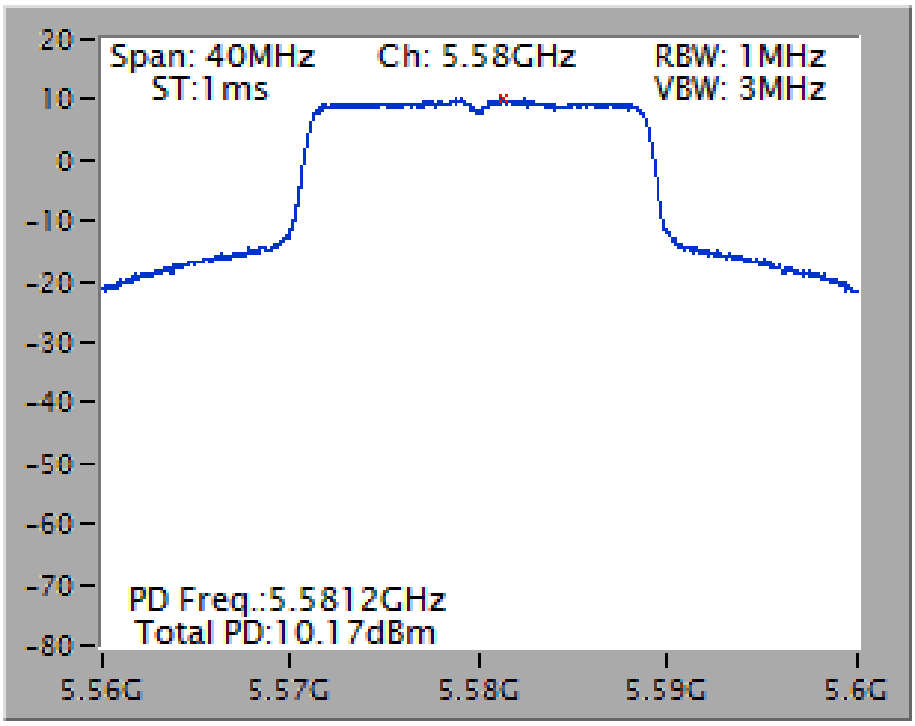
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5200 MHz



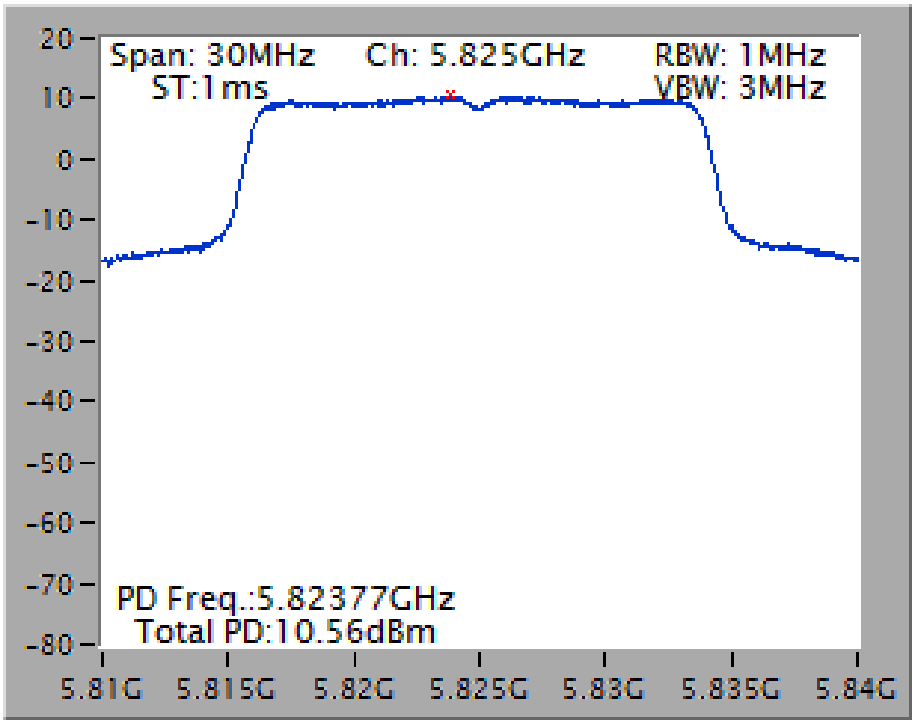
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



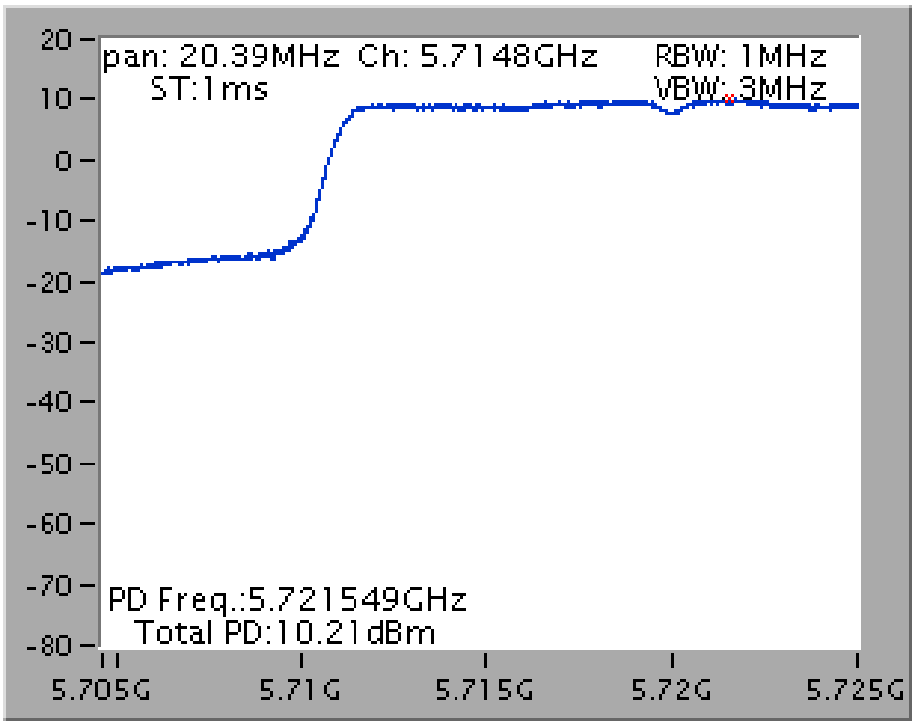
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



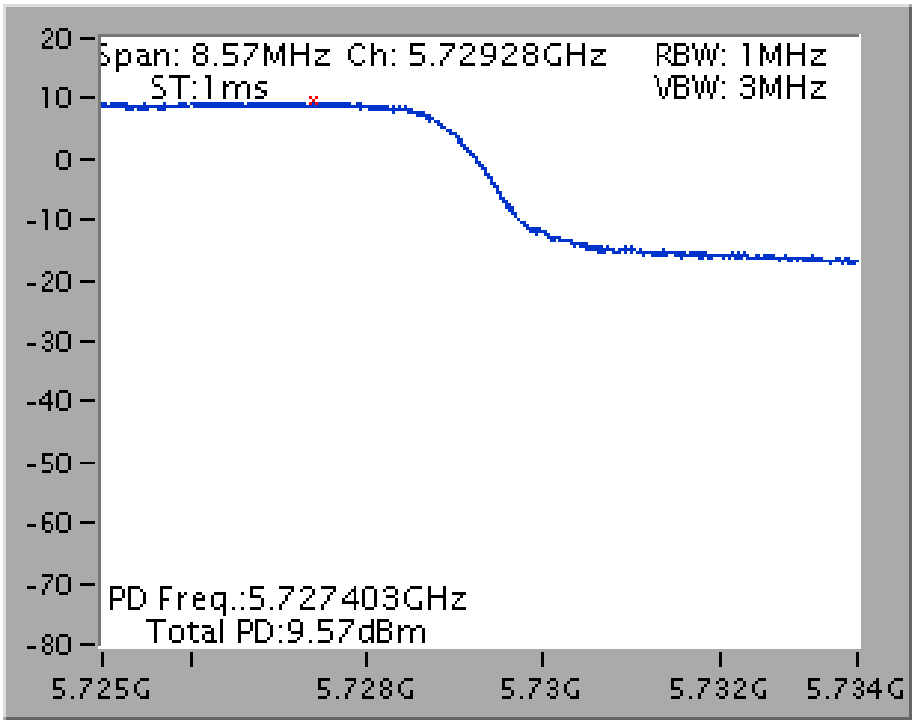
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5825 MHz



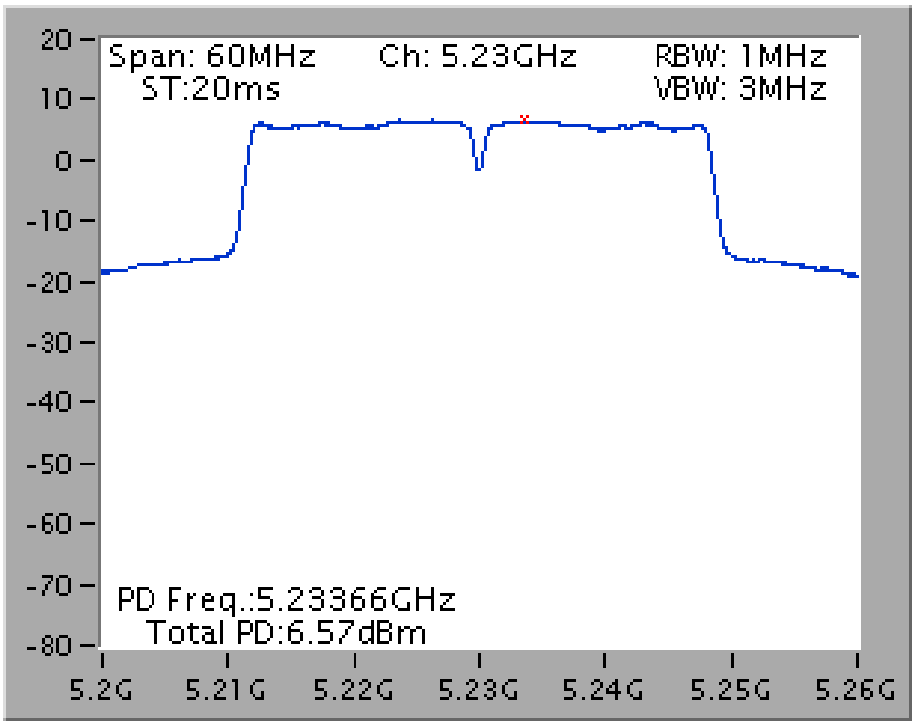
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



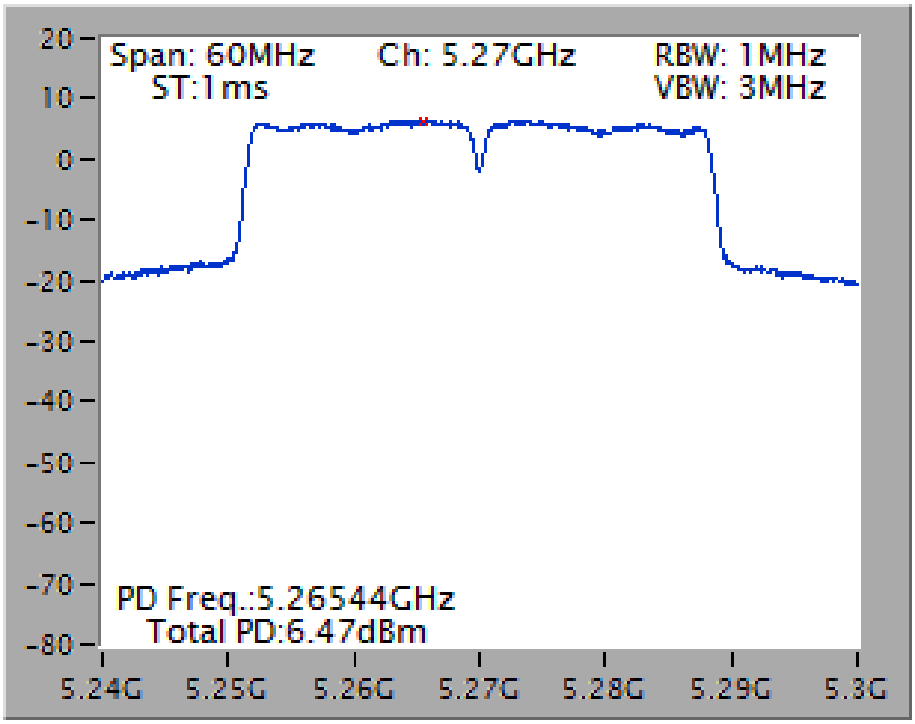
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)



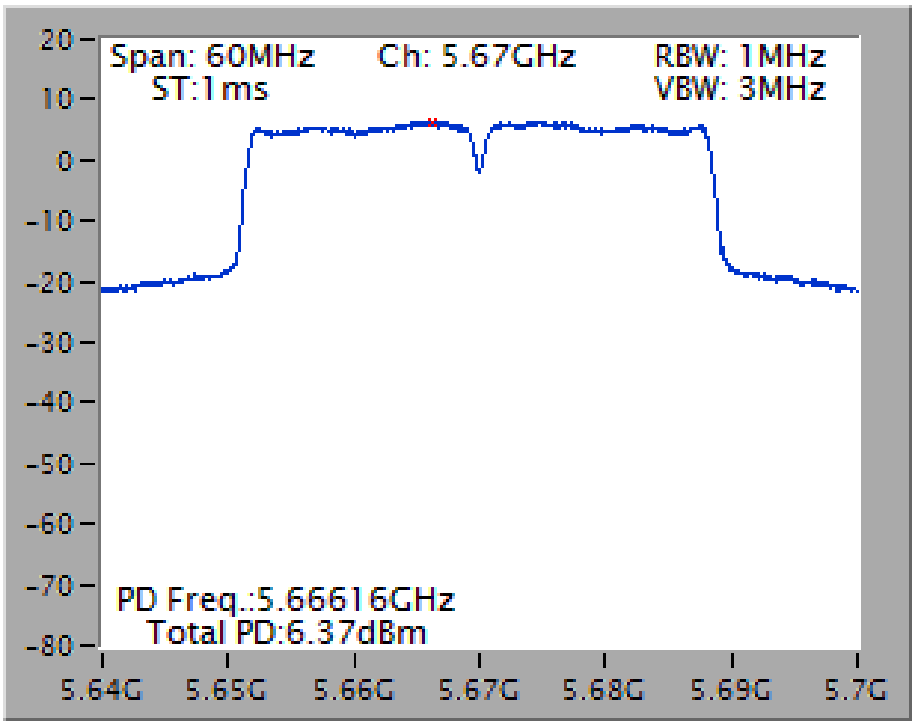
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



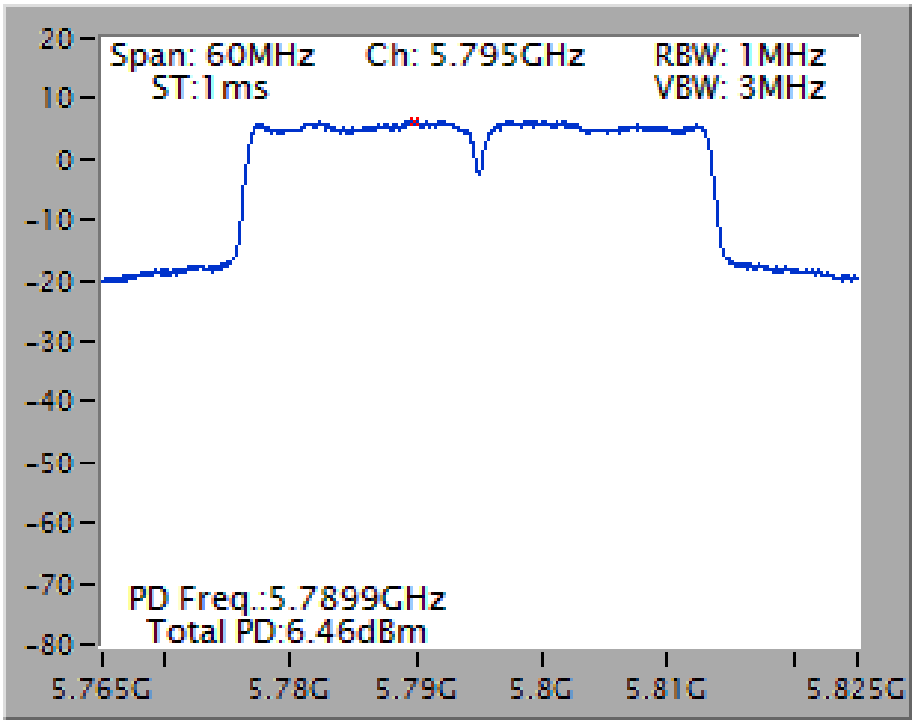
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



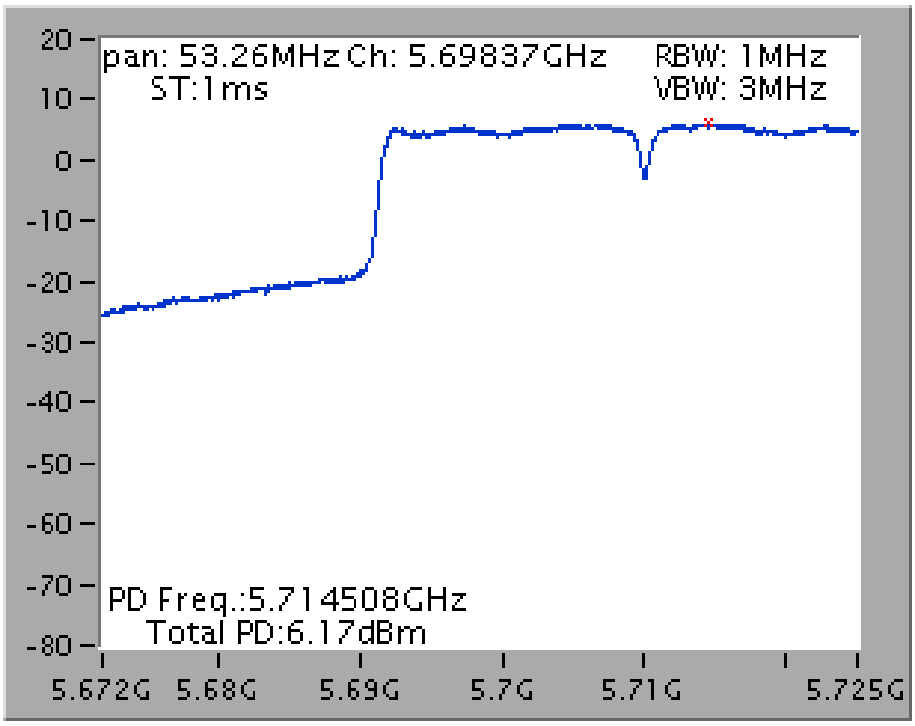
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



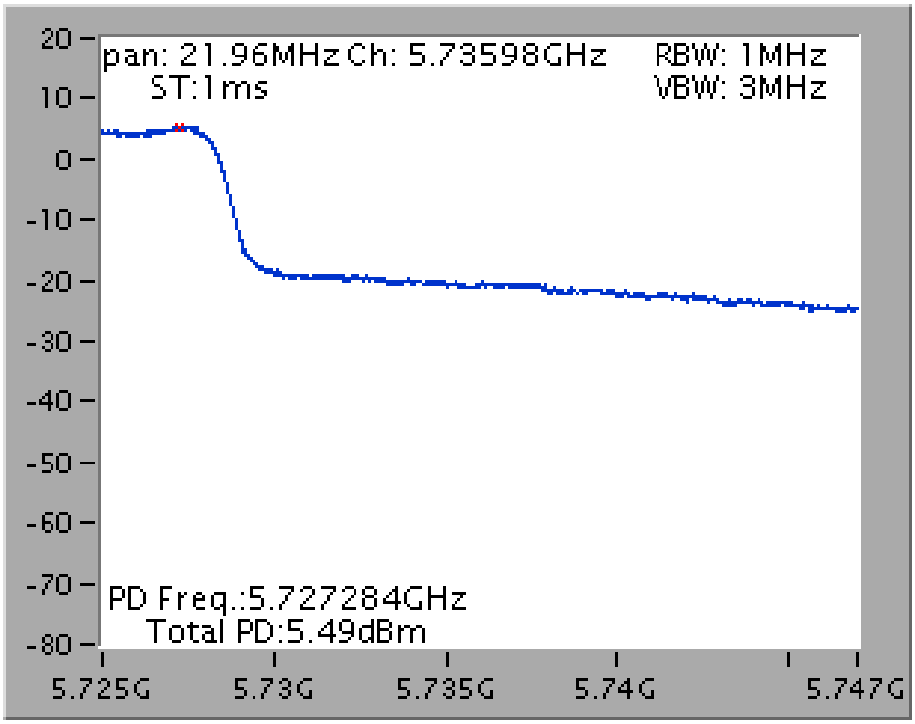
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



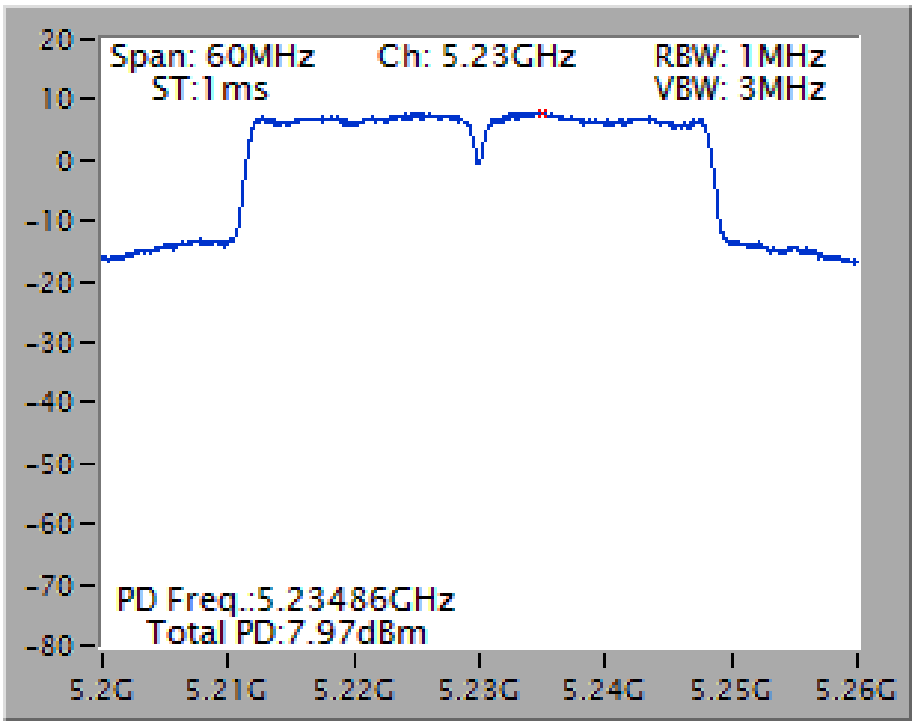
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



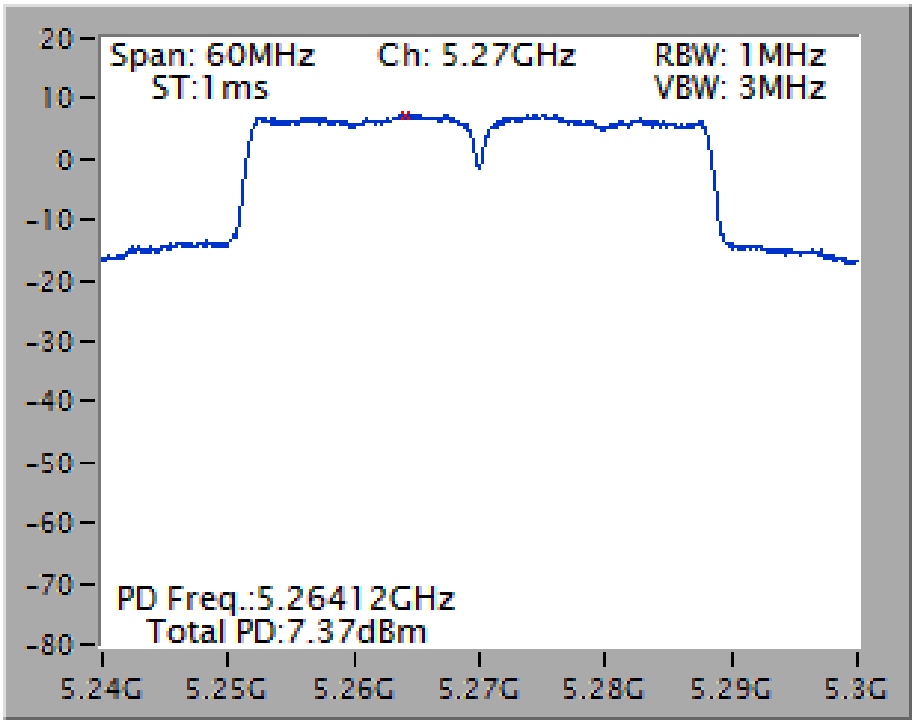
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)



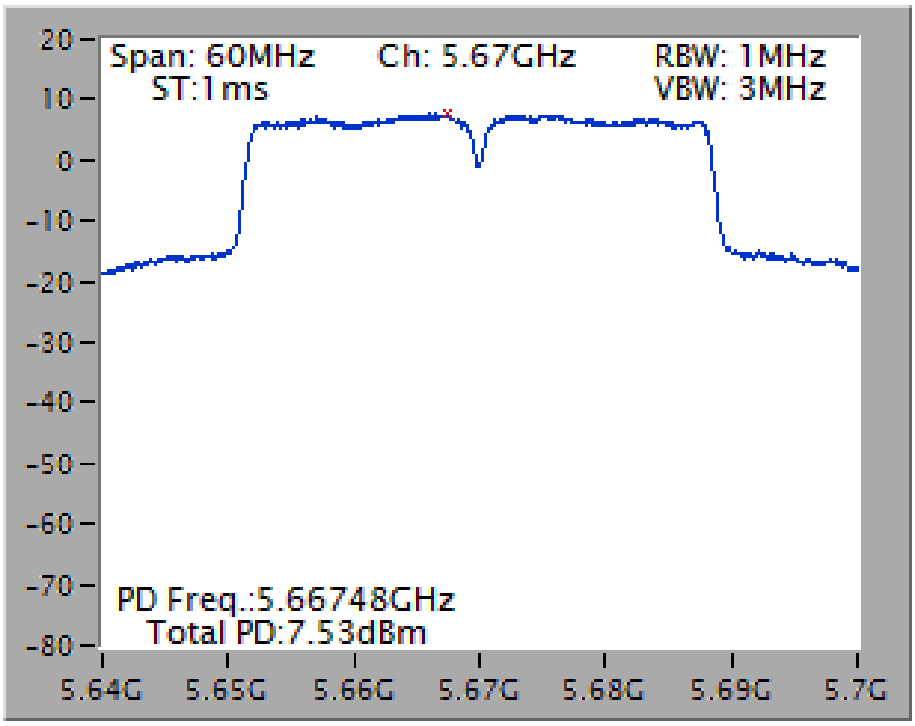
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



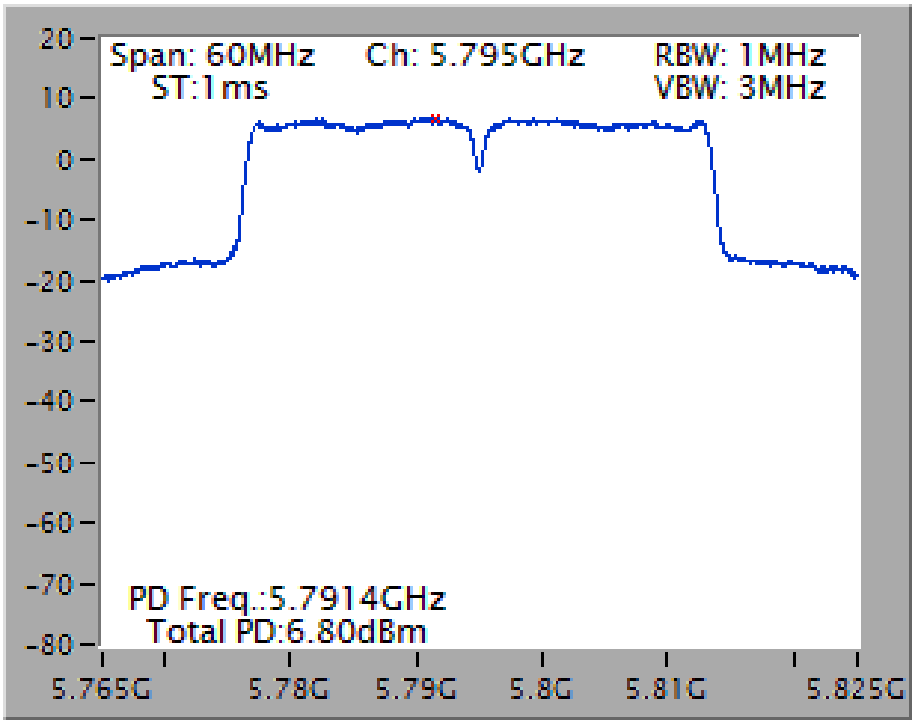
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



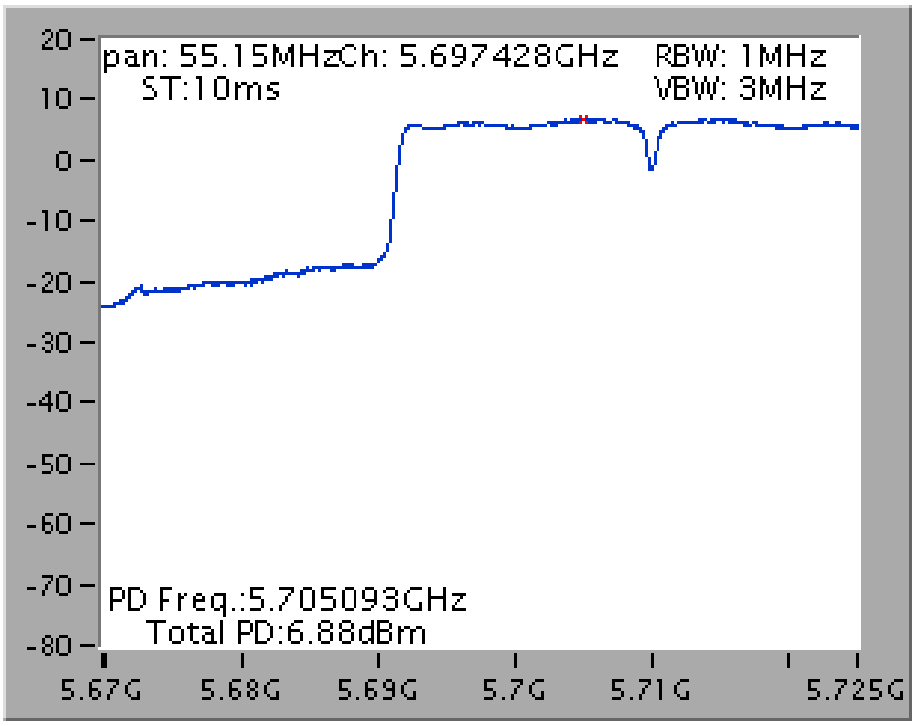
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



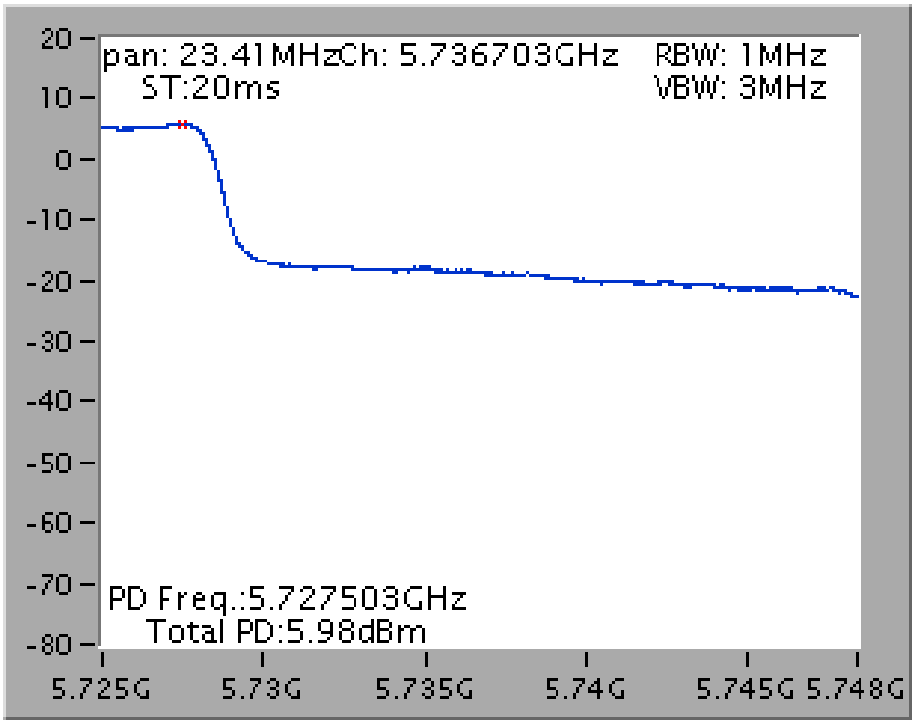
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



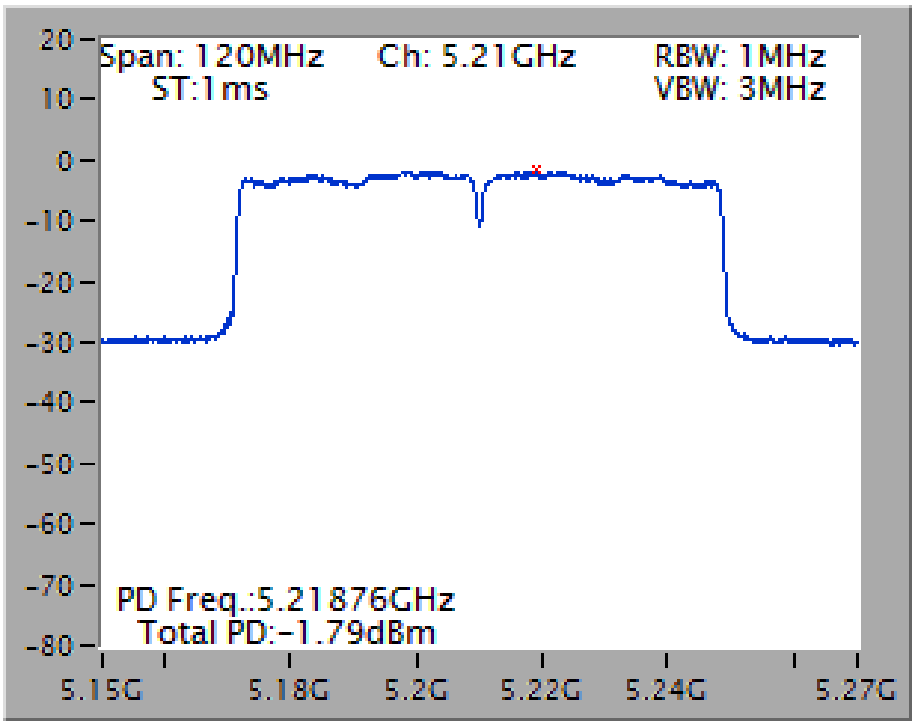
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



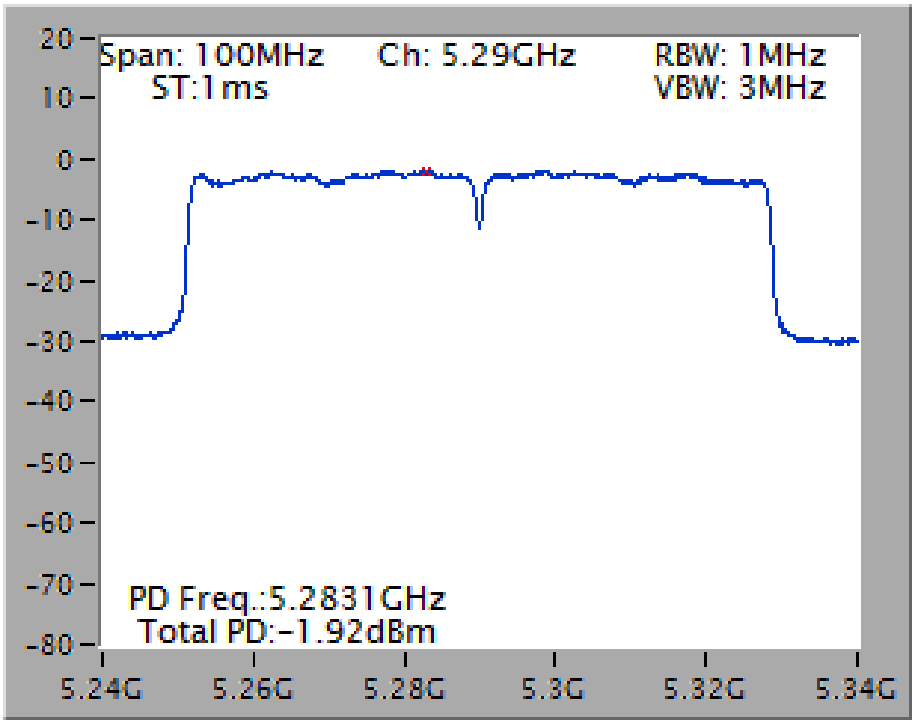
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)



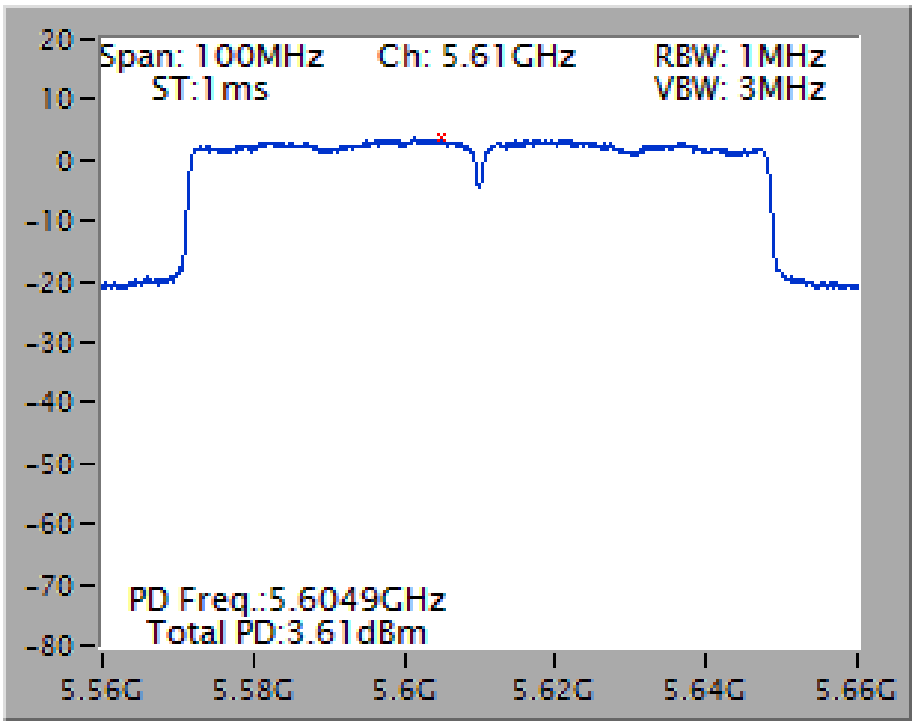
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



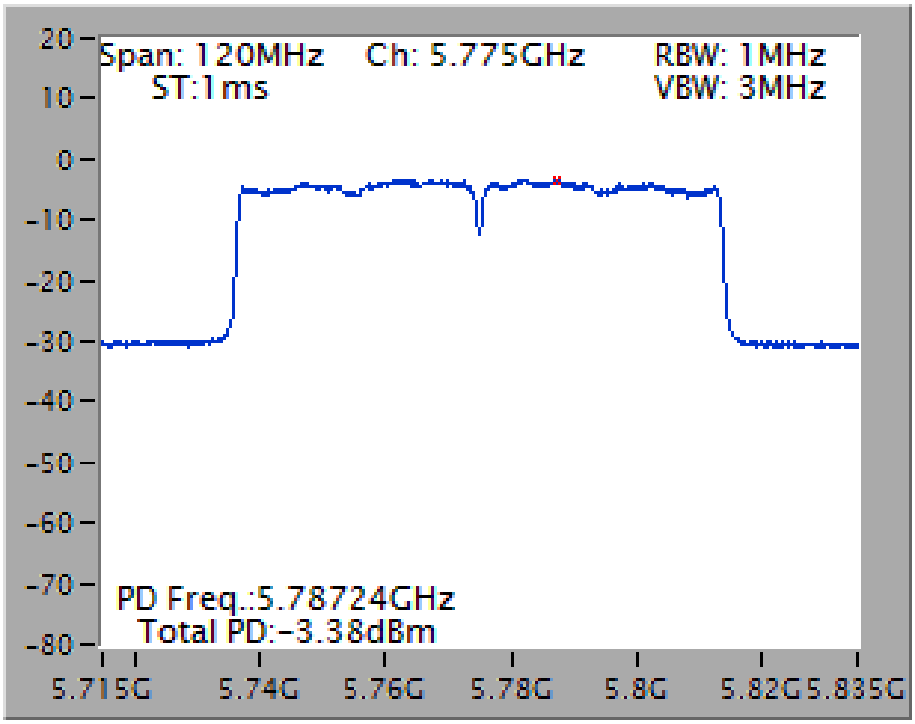
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



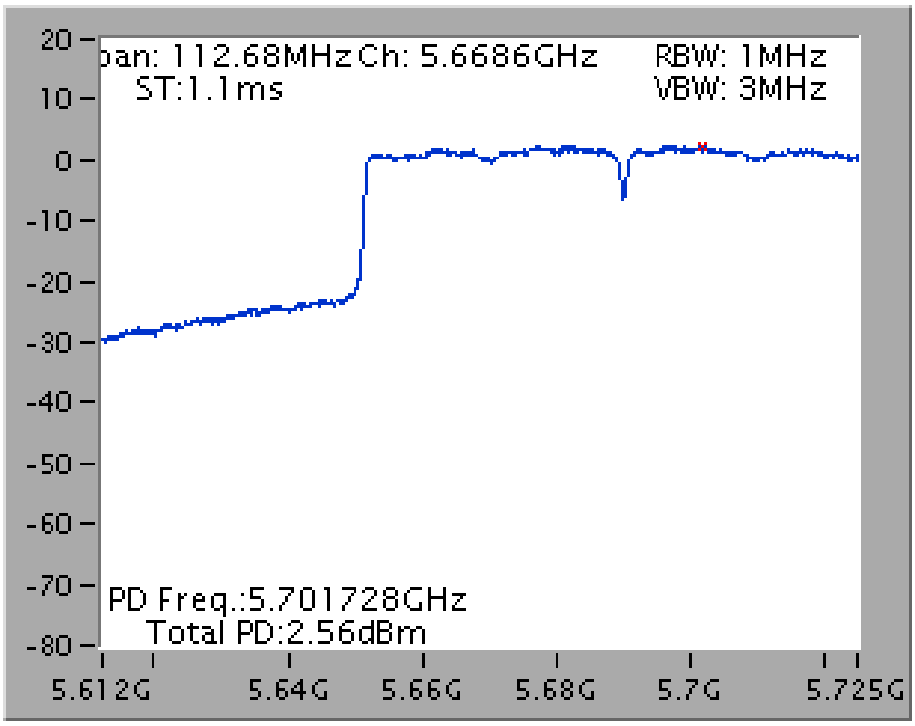
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz



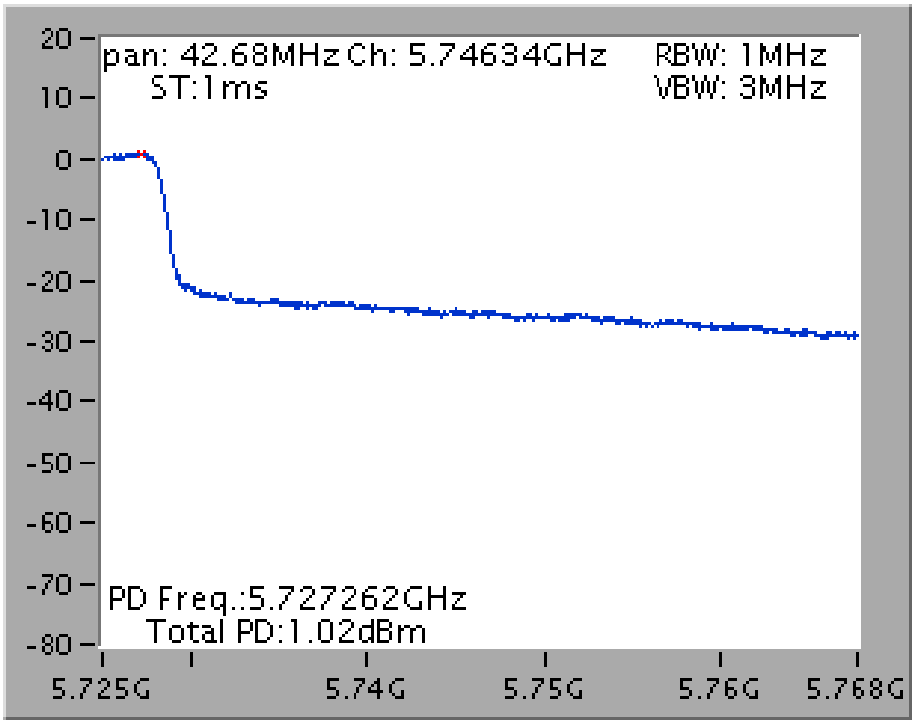
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



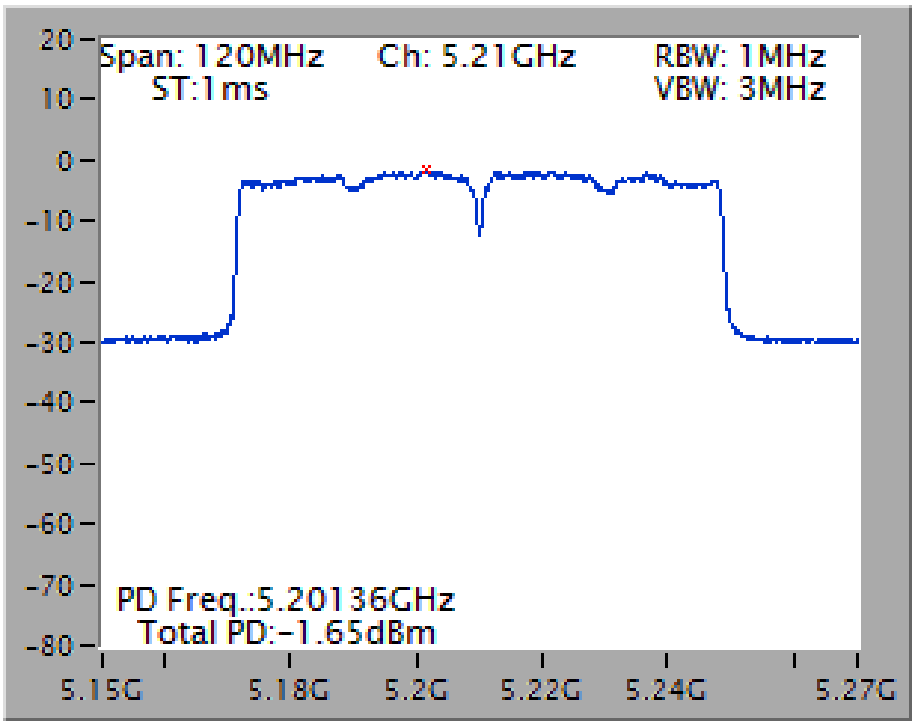
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)



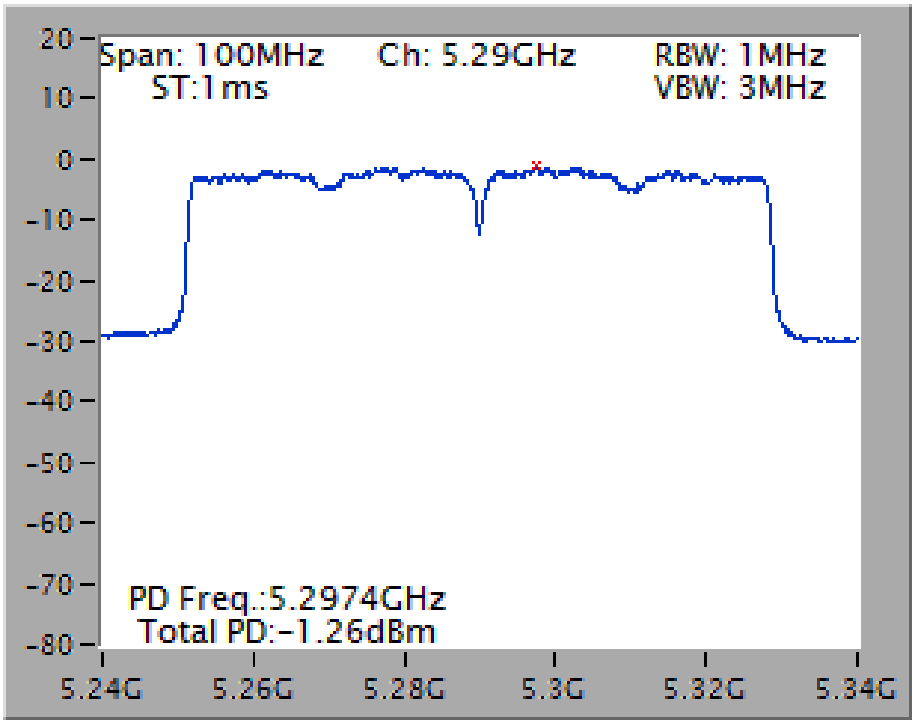
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)



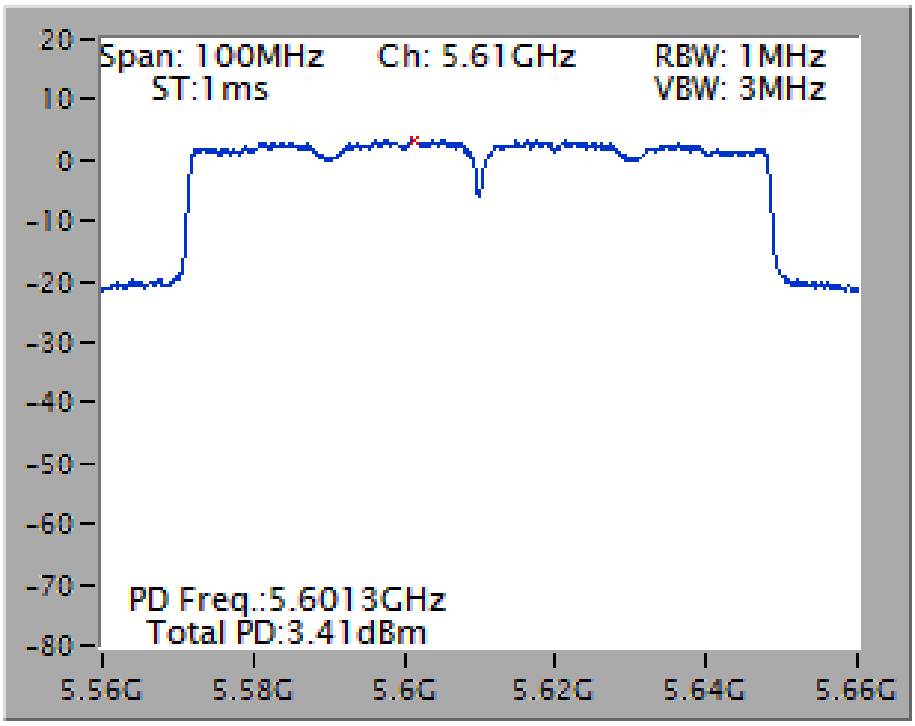
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



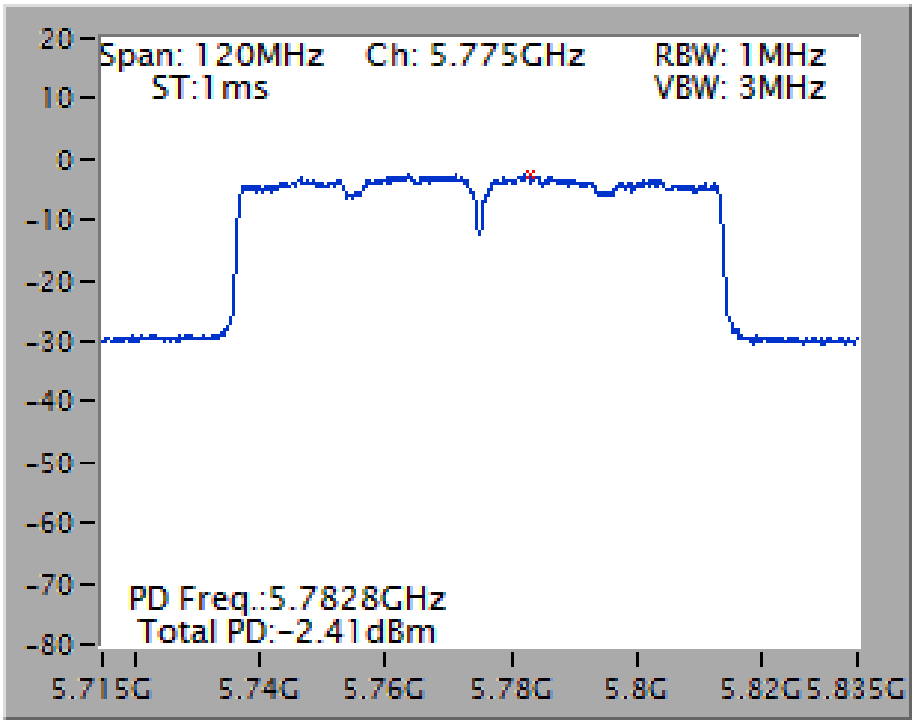
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



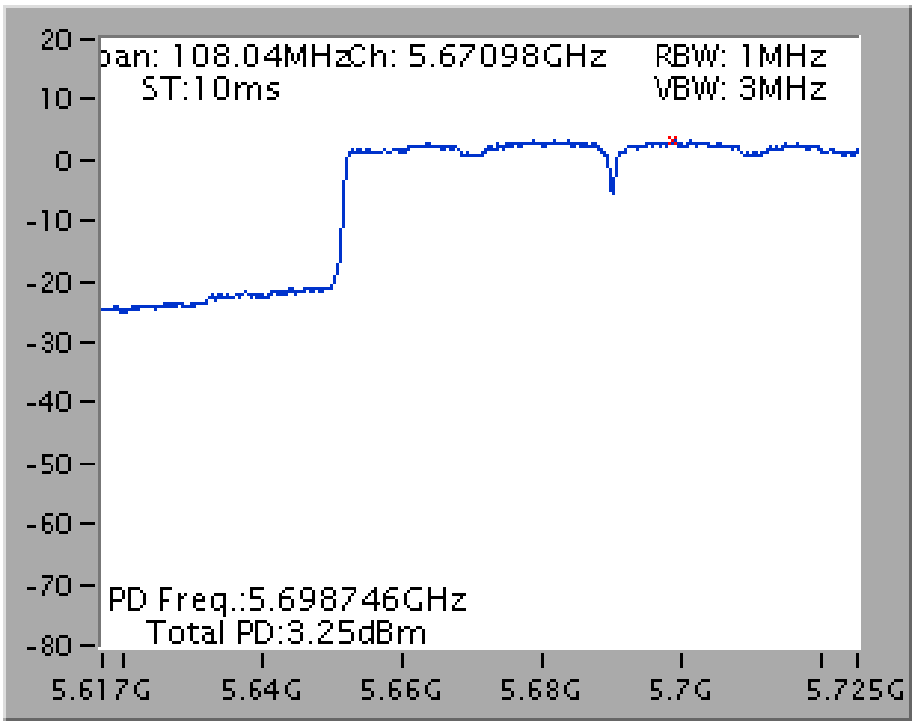
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz



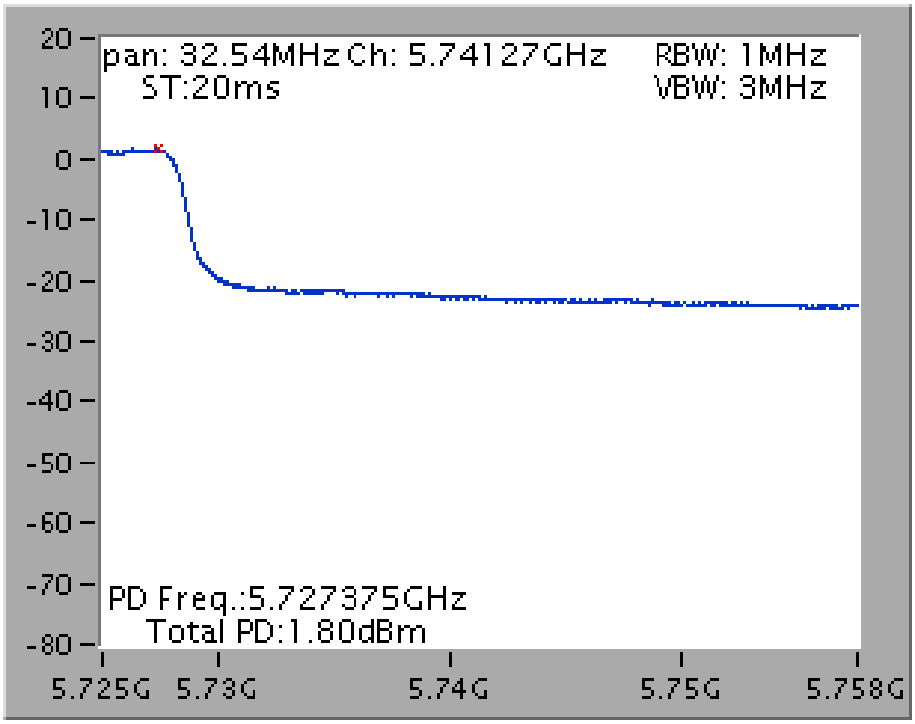
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)



4.5. Radiated Emissions Measurement

4.5.1. Limit

For transmitters operating in the 5.15-5.35 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.

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

4.5.2. Measuring Instruments and Setting

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

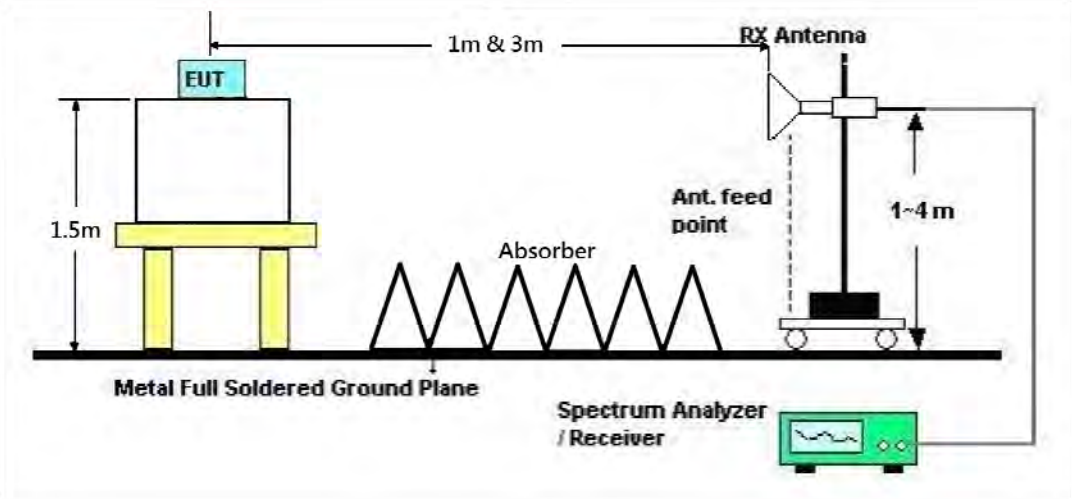
Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	40 GHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for peak

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

4.5.3. Test Procedures

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

4.5.4. Test Setup Layout



4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15540.00	55.90	74.00	-18.10	44.10	7.85	38.67	34.72	Peak	157	132	HORIZONTAL
2	15540.00	42.55	54.00	-11.45	30.75	7.85	38.67	34.72	Average	157	132	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15540.00	55.65	74.00	-18.35	43.85	7.85	38.67	34.72	Peak	235	153	VERTICAL
2	15540.00	42.47	54.00	-11.53	30.67	7.85	38.67	34.72	Average	235	153	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15600.00	56.34	74.00	-17.66	44.63	7.88	38.62	34.79	Peak	259	153	HORIZONTAL
2	15600.00	42.71	54.00	-11.29	31.00	7.88	38.62	34.79	Average	259	153	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15600.00	57.19	74.00	-16.81	45.48	7.88	38.62	34.79	Peak	104	135	VERTICAL
2	15600.00	42.66	54.00	-11.34	30.95	7.88	38.62	34.79	Average	104	145	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15718.15	55.64	74.00	-18.36	44.08	7.92	38.52	34.88	Peak	217	162	HORIZONTAL
2	15723.73	42.76	54.00	-11.24	31.20	7.92	38.52	34.88	Average	217	162	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15721.94	55.93	74.00	-18.07	44.37	7.92	38.52	34.88	Peak	166	147	VERTICAL
2	15723.33	42.96	54.00	-11.04	31.40	7.92	38.52	34.88	Average	168	147	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15770.36	56.03	74.00	-17.97	44.54	7.93	38.48	34.92	Peak	176	172	HORIZONTAL
2	15780.58	42.93	54.00	-11.07	31.46	7.93	38.48	34.94	Average	176	172	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15770.56	42.74	54.00	-11.26	31.25	7.93	38.48	34.92	Average	75	156	VERTICAL
2	15775.05	56.16	74.00	-17.84	44.67	7.93	38.48	34.92	Peak	75	156	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10597.05	52.96	74.00	-21.04	42.98	6.60	38.38	35.00	Peak	249	141	HORIZONTAL
2	10603.47	39.95	54.00	-14.05	29.96	6.60	38.38	34.99	Average	249	141	HORIZONTAL
3	15899.25	42.76	54.00	-11.24	31.44	7.97	38.38	35.03	Average	164	128	HORIZONTAL
4	15900.75	55.77	74.00	-18.23	44.45	7.98	38.37	35.03	Peak	164	128	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10600.23	52.94	74.00	-21.06	42.96	6.60	38.38	35.00	Peak	254	163	VERTICAL
2	10608.68	39.95	54.00	-14.05	29.96	6.60	38.38	34.99	Average	254	163	VERTICAL
3	15893.23	55.76	74.00	-18.24	44.44	7.97	38.38	35.03	Peak	321	145	VERTICAL
4	15896.90	42.90	54.00	-11.10	31.58	7.97	38.38	35.03	Average	321	149	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10634.41	40.18	54.00	-13.82	30.19	6.59	38.37	34.97	Average	126	129	HORIZONTAL
2	10641.25	53.46	74.00	-20.54	43.47	6.59	38.37	34.97	Peak	126	129	HORIZONTAL
3	15958.99	42.50	54.00	-11.50	31.27	8.00	38.33	35.10	Average	278	157	HORIZONTAL
4	15968.80	56.03	74.00	-17.97	44.82	8.00	38.31	35.10	Peak	278	157	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10636.04	52.97	74.00	-21.03	42.98	6.59	38.37	34.97	Peak	275	182	VERTICAL
2	10637.71	40.56	54.00	-13.44	30.57	6.59	38.37	34.97	Average	275	182	VERTICAL
3	15953.31	55.42	74.00	-18.58	44.17	8.00	38.33	35.08	Peak	184	157	VERTICAL
4	15968.13	42.70	54.00	-11.30	31.47	8.00	38.33	35.10	Average	184	157	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11004.34	39.30	54.00	-14.70	29.25	6.46	38.30	34.71	Average	297	0	HORIZONTAL
2	11006.08	52.49	74.00	-21.51	42.43	6.47	38.30	34.71	Peak	297	157	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11003.01	52.31	74.00	-21.69	42.26	6.46	38.30	34.71	Peak	147	137	VERTICAL
2	11004.63	39.37	54.00	-14.63	29.31	6.47	38.30	34.71	Average	147	137	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11150.04	53.04	74.00	-20.96	42.88	6.55	38.30	34.69	Peak	358	179	HORIZONTAL
2	11153.08	39.40	54.00	-14.60	29.24	6.55	38.30	34.69	Average	358	179	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11150.65	53.28	74.00	-20.72	43.12	6.55	38.30	34.69	Peak	22	164	VERTICAL
2	11159.86	39.54	54.00	-14.46	29.37	6.56	38.30	34.69	Average	19	164	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11395.34	53.75	74.00	-20.25	43.44	6.68	38.30	34.67	Peak	168	162	HORIZONTAL
2	11395.40	39.86	54.00	-14.14	29.55	6.68	38.30	34.67	Average	170	162	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11396.76	52.91	74.00	-21.09	42.59	6.69	38.30	34.67	Peak	329	141	VERTICAL
2	11399.68	40.08	54.00	-13.92	29.76	6.69	38.30	34.67	Average	329	141	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 06, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11435.75	38.64	54.00	-15.36	28.30	6.71	38.30	34.67	Average	355	150	HORIZONTAL
2	11440.41	52.37	74.00	-21.63	42.03	6.71	38.30	34.67	Peak	355	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11437.25	38.89	54.00	-15.11	28.55	6.71	38.30	34.67	Average	18	163	VERTICAL
2	11448.31	51.21	74.00	-22.79	40.86	6.72	38.30	34.67	Peak	18	163	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11480.97	52.69	74.00	-21.31	42.31	6.74	38.30	34.66	Peak	225	151	HORIZONTAL
2	11498.80	39.48	54.00	-14.52	29.09	6.75	38.30	34.66	Average	225	151	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11491.04	39.57	54.00	-14.43	29.19	6.74	38.30	34.66	Average	50	151	VERTICAL
2	11495.09	52.38	74.00	-21.62	42.00	6.74	38.30	34.66	Peak	50	151	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11572.92	53.04	74.00	-20.96	42.63	6.77	38.33	34.69	Peak	243	170	HORIZONTAL
2	11579.03	40.39	54.00	-13.61	29.98	6.77	38.33	34.69	Average	243	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11573.39	40.82	54.00	-13.18	30.41	6.77	38.33	34.69	Average	286	157	VERTICAL
2	11579.84	53.68	74.00	-20.32	43.27	6.77	38.33	34.69	Peak	286	157	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11649.07	54.31	74.00	-19.69	43.87	6.80	38.36	34.72	Peak	315	154	HORIZONTAL
2	11658.68	40.57	54.00	-13.43	30.13	6.80	38.36	34.72	Average	315	154	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11650.87	40.81	54.00	-13.19	30.37	6.80	38.36	34.72	Average	217	136	VERTICAL
2	11652.23	53.80	74.00	-20.20	43.36	6.80	38.36	34.72	Peak	217	136	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15534.91	55.53	74.00	-18.47	43.73	7.85	38.67	34.72	Peak	99	165	HORIZONTAL
2	15548.02	42.42	54.00	-11.58	30.64	7.86	38.66	34.74	Average	99	165	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15531.90	42.55	54.00	-11.45	30.75	7.85	38.67	34.72	Average	270	136	VERTICAL
2	15536.56	55.37	74.00	-18.63	43.57	7.85	38.67	34.72	Peak	270	136	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15592.74	55.55	74.00	-18.45	43.82	7.87	38.63	34.77	Peak	239	177	HORIZONTAL
2	15594.36	42.74	54.00	-11.26	31.01	7.87	38.63	34.77	Average	239	177	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15590.30	42.80	54.00	-11.20	31.07	7.87	38.63	34.77	Average	89	153	VERTICAL
2	15593.92	55.52	74.00	-18.48	43.79	7.87	38.63	34.77	Peak	89	153	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15722.98	43.04	54.00	-10.96	31.48	7.92	38.52	34.88	Average	227	171	HORIZONTAL
2	15726.28	55.89	74.00	-18.11	44.35	7.92	38.52	34.90	Peak	227	166	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15714.53	43.11	54.00	-10.89	31.55	7.92	38.52	34.88	Average	253	178	VERTICAL
2	15728.39	55.61	74.00	-18.39	44.07	7.92	38.52	34.90	Peak	253	178	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15776.32	55.77	74.00	-18.23	44.28	7.93	38.48	34.92	Peak	187	173	HORIZONTAL
2	15784.31	42.80	54.00	-11.20	31.33	7.94	38.47	34.94	Average	187	173	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15773.29	42.88	54.00	-11.12	31.39	7.93	38.48	34.92	Average	321	173	VERTICAL
2	15785.04	55.50	74.00	-18.50	44.03	7.94	38.47	34.94	Peak	321	173	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10601.25	40.18	54.00	-13.82	30.19	6.60	38.38	34.99	Average	139	176	HORIZONTAL
2	10608.92	53.01	74.00	-20.99	43.02	6.60	38.38	34.99	Peak	139	176	HORIZONTAL
3	15896.18	42.89	54.00	-11.11	31.57	7.97	38.38	35.03	Average	249	183	HORIZONTAL
4	15904.63	55.81	74.00	-18.19	44.49	7.98	38.37	35.03	Peak	249	183	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10591.23	39.99	54.00	-14.01	30.00	6.61	38.38	35.00	Average	210	142	VERTICAL
2	10604.20	53.32	74.00	-20.68	43.33	6.60	38.38	34.99	Peak	210	142	VERTICAL
3	15901.19	56.29	74.00	-17.71	44.97	7.98	38.37	35.03	Peak	81	163	VERTICAL
4	15902.55	42.85	54.00	-11.15	31.53	7.98	38.37	35.03	Average	81	163	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10631.78	40.24	54.00	-13.76	30.25	6.59	38.37	34.97	Average	339	168	HORIZONTAL
2	10634.62	53.02	74.00	-20.98	43.03	6.59	38.37	34.97	Peak	339	168	HORIZONTAL
3	15955.98	55.97	74.00	-18.03	44.74	8.00	38.33	35.10	Peak	282	161	HORIZONTAL
4	15967.93	42.57	54.00	-11.43	31.34	8.00	38.33	35.10	Average	282	161	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10630.16	53.15	74.00	-20.85	43.14	6.60	38.38	34.97	Peak	273	168	VERTICAL
2	10633.86	40.29	54.00	-13.71	30.30	6.59	38.37	34.97	Average	273	168	VERTICAL
3	15950.48	55.42	74.00	-18.58	44.17	7.99	38.34	35.08	Peak	205	127	VERTICAL
4	15956.61	42.48	54.00	-11.52	31.25	8.00	38.33	35.10	Average	205	127	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10991.72	39.61	54.00	-14.39	29.56	6.46	38.30	34.71	Average	245	139	HORIZONTAL
2	11007.09	52.75	74.00	-21.25	42.69	6.47	38.30	34.71	Peak	245	139	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11002.92	39.31	54.00	-14.69	29.26	6.46	38.30	34.71	Average	265	182	VERTICAL
2	11008.31	52.09	74.00	-21.91	42.03	6.47	38.30	34.71	Peak	265	182	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11158.23	40.10	54.00	-13.90	29.93	6.56	38.30	34.69	Average	192	167	HORIZONTAL
2	11167.24	52.79	74.00	-21.21	42.62	6.56	38.30	34.69	Peak	192	167	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11155.57	40.31	54.00	-13.69	30.15	6.55	38.30	34.69	Average	327	155	VERTICAL
2	11167.82	52.86	74.00	-21.14	42.69	6.56	38.30	34.69	Peak	327	155	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11397.34	40.15	54.00	-13.85	29.83	6.69	38.30	34.67	Average	90	148	HORIZONTAL
2	11401.39	53.30	74.00	-20.70	42.98	6.69	38.30	34.67	Peak	90	149	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11391.03	52.60	74.00	-21.40	42.29	6.68	38.30	34.67	Peak	75	144	VERTICAL
2	11399.07	40.12	54.00	-13.88	29.80	6.69	38.30	34.67	Average	75	144	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11431.52	52.91	74.00	-21.09	42.57	6.71	38.30	34.67	Peak	206	173	HORIZONTAL
2	11434.24	39.66	54.00	-14.34	29.32	6.71	38.30	34.67	Average	206	173	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11440.29	39.68	54.00	-14.32	29.34	6.71	38.30	34.67	Average	79	161	VERTICAL
2	11442.46	52.21	74.00	-21.79	41.87	6.71	38.30	34.67	Peak	77	161	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11485.63	39.53	54.00	-14.47	29.15	6.74	38.30	34.66	Average	294	161	HORIZONTAL
2	11494.54	52.80	74.00	-21.20	42.42	6.74	38.30	34.66	Peak	290	161	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11480.88	52.26	74.00	-21.74	41.88	6.74	38.30	34.66	Peak	319	157	VERTICAL
2	11498.05	39.49	54.00	-14.51	29.10	6.75	38.30	34.66	Average	319	159	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11561.03	53.72	74.00	-20.28	43.31	6.77	38.32	34.68	Peak	131	162	HORIZONTAL
2	11577.90	40.28	54.00	-13.72	29.87	6.77	38.33	34.69	Average	131	168	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11569.88	40.27	54.00	-13.73	29.86	6.77	38.33	34.69	Average	29	178	VERTICAL
2	11574.34	53.11	74.00	-20.89	42.70	6.77	38.33	34.69	Peak	29	178	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11647.48	39.37	54.00	-14.63	28.93	6.80	38.36	34.72	Average	280	167	HORIZONTAL
2	11656.28	48.59	74.00	-25.41	38.15	6.80	38.36	34.72	Peak	280	167	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11645.63	53.40	74.00	-20.60	42.95	6.80	38.36	34.71	Peak	171	172	VERTICAL
2	11657.47	40.57	54.00	-13.43	30.13	6.80	38.36	34.72	Average	171	172	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15540.46	55.87	74.00	-18.13	44.07	7.85	38.67	34.72	Peak	32	159	HORIZONTAL
2	15549.17	42.66	54.00	-11.34	30.88	7.86	38.66	34.74	Average	32	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15531.63	55.13	74.00	-18.87	43.33	7.85	38.67	34.72	Peak	156	156	VERTICAL
2	15532.10	42.75	54.00	-11.25	30.95	7.85	38.67	34.72	Average	156	155	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15595.34	42.85	54.00	-11.15	31.12	7.88	38.62	34.77	Average	238	157	HORIZONTAL
2	15601.27	56.76	74.00	-17.24	45.05	7.88	38.62	34.79	Peak	238	152	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15590.51	43.03	54.00	-10.97	31.30	7.87	38.63	34.77	Average	354	165	VERTICAL
2	15591.11	56.26	74.00	-17.74	44.53	7.87	38.63	34.77	Peak	354	165	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15712.21	43.17	54.00	-10.83	31.61	7.91	38.53	34.88	Average	99	154	HORIZONTAL
2	15715.60	56.61	74.00	-17.39	45.05	7.92	38.52	34.88	Peak	99	154	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15716.58	43.41	54.00	-10.59	31.85	7.92	38.52	34.88	Average	320	8995	VERTICAL
2	15717.80	55.79	74.00	-18.21	44.23	7.92	38.52	34.88	Peak	320	186	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15772.10	55.97	74.00	-18.03	44.48	7.93	38.48	34.92	Peak	167	160	HORIZONTAL
2	15777.42	42.95	54.00	-11.05	31.48	7.93	38.48	34.94	Average	167	160	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15773.55	43.00	54.00	-11.00	31.51	7.93	38.48	34.92	Average	57	146	VERTICAL
2	15787.50	55.90	74.00	-18.10	44.43	7.94	38.47	34.94	Peak	57	146	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10595.28	52.85	74.00	-21.15	42.86	6.61	38.38	35.00	Peak	222	156	HORIZONTAL
2	10607.12	40.26	54.00	-13.74	30.27	6.60	38.38	34.99	Average	222	156	HORIZONTAL
3	15902.55	56.27	74.00	-17.73	44.95	7.98	38.37	35.03	Peak	332	151	HORIZONTAL
4	15903.24	43.01	54.00	-10.99	31.69	7.98	38.37	35.03	Average	332	151	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10598.64	53.61	74.00	-20.39	43.63	6.60	38.38	35.00	Peak	298	156	VERTICAL
2	10606.05	40.34	54.00	-13.66	30.35	6.60	38.38	34.99	Average	298	156	VERTICAL
3	15906.17	42.98	54.00	-11.02	31.68	7.98	38.37	35.05	Average	170	174	VERTICAL
4	15909.96	55.76	74.00	-18.24	44.46	7.98	38.37	35.05	Peak	170	174	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10633.49	41.29	54.00	-12.71	31.30	6.59	38.37	34.97	Average	177	171	HORIZONTAL
2	10636.67	53.84	74.00	-20.16	43.85	6.59	38.37	34.97	Peak	170	171	HORIZONTAL
3	15961.62	43.71	54.00	-10.29	32.48	8.00	38.33	35.10	Average	199	140	HORIZONTAL
4	15969.87	57.21	74.00	-16.79	46.00	8.00	38.31	35.10	Peak	199	140	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10631.26	41.51	54.00	-12.49	31.52	6.59	38.37	34.97	Average	235	159	VERTICAL
2	10642.23	54.13	74.00	-19.87	44.14	6.59	38.37	34.97	Peak	235	159	VERTICAL
3	15952.07	56.46	74.00	-17.54	45.21	8.00	38.33	35.08	Peak	298	162	VERTICAL
4	15953.72	43.81	54.00	-10.19	32.56	8.00	38.33	35.08	Average	290	162	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10990.59	53.12	74.00	-20.88	43.07	6.46	38.30	34.71	Peak	269	160	HORIZONTAL
2	11000.23	39.69	54.00	-14.31	29.64	6.46	38.30	34.71	Average	268	160	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10997.48	52.99	74.00	-21.01	42.94	6.46	38.30	34.71	Peak	146	172	VERTICAL
2	11002.89	39.65	54.00	-14.35	29.60	6.46	38.30	34.71	Average	146	172	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11162.63	40.16	54.00	-13.84	29.99	6.56	38.30	34.69	Average	178	150	HORIZONTAL
2	11167.70	53.96	74.00	-20.04	43.79	6.56	38.30	34.69	Peak	178	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11159.36	40.28	54.00	-13.72	30.11	6.56	38.30	34.69	Average	118	198	VERTICAL
2	11160.72	52.82	74.00	-21.18	42.65	6.56	38.30	34.69	Peak	118	164	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11391.20	40.26	54.00	-13.74	29.95	6.68	38.30	34.67	Average	286	170	HORIZONTAL
2	11398.55	53.62	74.00	-20.38	43.30	6.69	38.30	34.67	Peak	286	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11393.03	40.32	54.00	-13.68	30.01	6.68	38.30	34.67	Average	165	134	VERTICAL
2	11409.81	54.06	74.00	-19.94	43.74	6.69	38.30	34.67	Peak	165	134	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11430.16	39.64	54.00	-14.36	29.30	6.71	38.30	34.67	Average	287	169	HORIZONTAL
2	11442.87	52.08	74.00	-21.92	41.74	6.71	38.30	34.67	Peak	287	169	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11435.54	39.73	54.00	-14.27	29.39	6.71	38.30	34.67	Average	149	154	VERTICAL
2	11440.72	52.80	74.00	-21.20	42.46	6.71	38.30	34.67	Peak	149	150	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11491.59	52.82	74.00	-21.18	42.44	6.74	38.30	34.66	Peak	177	171	HORIZONTAL
2	11499.84	39.70	54.00	-14.30	29.31	6.75	38.30	34.66	Average	177	171	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11493.24	39.65	54.00	-14.35	29.27	6.74	38.30	34.66	Average	77	164	VERTICAL
2	11493.50	53.61	74.00	-20.39	43.23	6.74	38.30	34.66	Peak	77	164	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11576.17	53.16	74.00	-20.84	42.75	6.77	38.33	34.69	Peak	286	155	HORIZONTAL
2	11578.92	40.48	54.00	-13.52	30.07	6.77	38.33	34.69	Average	286	158	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11571.97	40.36	54.00	-13.64	29.95	6.77	38.33	34.69	Average	317	165	VERTICAL
2	11576.51	53.49	74.00	-20.51	43.08	6.77	38.33	34.69	Peak	317	165	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11642.82	54.15	74.00	-19.85	43.70	6.80	38.36	34.71	Peak	121	165	HORIZONTAL
2	11654.02	40.69	54.00	-13.31	30.25	6.80	38.36	34.72	Average	124	165	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11641.92	40.79	54.00	-13.21	30.34	6.80	38.36	34.71	Average	167	155	VERTICAL
2	11653.99	54.10	74.00	-19.90	43.66	6.80	38.36	34.72	Peak	167	155	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15562.88	55.92	74.00	-18.08	44.16	7.86	38.64	34.74	Peak	138	178	HORIZONTAL
2	15578.31	42.77	54.00	-11.23	31.04	7.87	38.63	34.77	Average	138	178	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15567.28	42.82	54.00	-11.18	31.06	7.86	38.64	34.74	Average	237	165	VERTICAL
2	15575.07	55.57	74.00	-18.43	43.84	7.86	38.64	34.77	Peak	237	165	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15688.29	56.02	74.00	-17.98	44.42	7.90	38.55	34.85	Peak	68	165	HORIZONTAL
2	15695.99	43.04	54.00	-10.96	31.44	7.90	38.55	34.85	Average	68	165	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15689.94	43.01	54.00	-10.99	31.41	7.90	38.55	34.85	Average	113	165	VERTICAL
2	15692.81	56.51	74.00	-17.49	44.91	7.90	38.55	34.85	Peak	113	165	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15803.20	42.63	54.00	-11.37	31.20	7.95	38.45	34.97	Average	258	8455	HORIZONTAL
2	15811.16	55.43	74.00	-18.57	44.00	7.95	38.45	34.97	Peak	258	165	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15804.21	42.82	54.00	-11.18	31.39	7.95	38.45	34.97	Average	163	165	VERTICAL
2	15818.80	55.66	74.00	-18.34	44.24	7.95	38.44	34.97	Peak	163	165	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10623.39	40.28	54.00	-13.72	30.29	6.60	38.38	34.99	Average	55	142	HORIZONTAL
2	10626.63	53.79	74.00	-20.21	43.78	6.60	38.38	34.97	Peak	38	142	HORIZONTAL
3	15920.45	42.76	54.00	-11.24	31.46	7.99	38.36	35.05	Average	55	156	HORIZONTAL
4	15938.45	55.49	74.00	-18.51	44.24	7.99	38.34	35.08	Peak	55	156	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10611.52	53.84	74.00	-20.16	43.85	6.60	38.38	34.99	Peak	326	167	VERTICAL
2	10617.34	40.29	54.00	-13.71	30.30	6.60	38.38	34.99	Average	326	167	VERTICAL
3	15921.63	42.70	54.00	-11.30	31.40	7.99	38.36	35.05	Average	223	169	VERTICAL
4	15924.70	55.15	74.00	-18.85	43.85	7.99	38.36	35.05	Peak	223	169	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11011.95	39.43	54.00	-14.57	29.37	6.47	38.30	34.71	Average	125	167	HORIZONTAL
2	11016.99	52.21	74.00	-21.79	42.15	6.47	38.30	34.71	Peak	125	167	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11011.43	51.94	74.00	-22.06	41.88	6.47	38.30	34.71	Peak	32	167	VERTICAL
2	11014.21	39.34	54.00	-14.66	29.28	6.47	38.30	34.71	Average	32	166	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11098.12	39.77	54.00	-14.23	29.65	6.52	38.30	34.70	Average	233	160	HORIZONTAL
2	11106.97	52.83	74.00	-21.17	42.70	6.53	38.30	34.70	Peak	233	160	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11091.95	39.90	54.00	-14.10	29.78	6.52	38.30	34.70	Average	283	160	VERTICAL
2	11093.55	52.66	74.00	-21.34	42.54	6.52	38.30	34.70	Peak	283	160	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11334.82	40.32	54.00	-13.68	30.05	6.65	38.30	34.68	Average	134	153	HORIZONTAL
2	11338.12	54.13	74.00	-19.87	43.86	6.65	38.30	34.68	Peak	134	153	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11330.71	53.24	74.00	-20.76	42.97	6.65	38.30	34.68	Peak	273	157	VERTICAL
2	11339.77	40.45	54.00	-13.55	30.18	6.65	38.30	34.68	Average	273	157	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11410.33	39.87	54.00	-14.13	29.55	6.69	38.30	34.67	Average	67	160	HORIZONTAL
2	11422.08	53.20	74.00	-20.80	42.87	6.70	38.30	34.67	Peak	67	160	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11412.88	40.03	54.00	-13.97	29.70	6.70	38.30	34.67	Average	3	160	VERTICAL
2	11425.44	53.10	74.00	-20.90	42.77	6.70	38.30	34.67	Peak	3	160	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11506.99	40.47	54.00	-13.53	30.08	6.75	38.30	34.66	Average	263	160	HORIZONTAL
2	11513.88	53.01	74.00	-20.99	42.62	6.75	38.30	34.66	Peak	263	160	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11509.45	53.42	74.00	-20.58	43.03	6.75	38.30	34.66	Peak	308	160	VERTICAL
2	11517.35	40.38	54.00	-13.62	29.97	6.76	38.31	34.66	Average	303	160	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11580.07	53.16	74.00	-20.84	42.75	6.77	38.33	34.69	Peak	64	160	HORIZONTAL
2	11588.09	40.39	54.00	-13.61	29.97	6.78	38.33	34.69	Average	64	160	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11592.08	40.37	54.00	-13.63	29.95	6.78	38.33	34.69	Average	345	165	VERTICAL
2	11593.39	53.40	74.00	-20.60	42.98	6.78	38.33	34.69	Peak	345	165	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15578.92	42.93	54.00	-11.07	31.20	7.87	38.63	34.77	Average	108	182	HORIZONTAL
2	15578.94	56.19	74.00	-17.81	44.46	7.87	38.63	34.77	Peak	221	182	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15563.60	43.43	54.00	-10.57	31.67	7.86	38.64	34.74	Average	108	166	VERTICAL
2	15576.80	55.82	74.00	-18.18	44.09	7.86	38.64	34.77	Peak	108	166	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	16732.96	45.55	54.00	-8.45	31.35	8.05	40.54	34.39	Average	202	142	HORIZONTAL
2	16743.58	58.68	74.00	-15.32	44.44	8.05	40.58	34.39	Peak	202	142	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	16728.27	45.54	54.00	-8.46	31.34	8.05	40.54	34.39	Average	339	187	VERTICAL
2	16744.48	58.71	74.00	-15.29	44.47	8.05	40.58	34.39	Peak	339	161	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15800.42	55.59	74.00	-18.41	44.13	7.95	38.45	34.94	Peak	228	148	HORIZONTAL
2	15811.01	42.79	54.00	-11.21	31.36	7.95	38.45	34.97	Average	228	148	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15802.21	42.98	54.00	-11.02	31.52	7.95	38.45	34.94	Average	325	177	VERTICAL
2	15810.06	55.48	74.00	-18.52	44.05	7.95	38.45	34.97	Peak	325	177	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10613.34	40.36	54.00	-13.64	30.37	6.60	38.38	34.99	Average	118	176	HORIZONTAL
2	10624.28	53.07	74.00	-20.93	43.08	6.60	38.38	34.99	Peak	118	176	HORIZONTAL
3	15921.95	42.87	54.00	-11.13	31.57	7.99	38.36	35.05	Average	160	159	HORIZONTAL
4	15927.02	56.02	74.00	-17.98	44.72	7.99	38.36	35.05	Peak	160	147	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	10625.21	40.41	54.00	-13.59	30.42	6.60	38.38	34.99	Average	97	185	VERTICAL
2	10627.44	53.20	74.00	-20.80	43.19	6.60	38.38	34.97	Peak	97	185	VERTICAL
3	15922.88	42.74	54.00	-11.26	31.44	7.99	38.36	35.05	Average	336	166	VERTICAL
4	15928.52	56.27	74.00	-17.73	44.97	7.99	38.36	35.05	Peak	332	166	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11015.08	39.44	54.00	-14.56	29.38	6.47	38.30	34.71	Average	329	157	HORIZONTAL
2	11029.06	52.38	74.00	-21.62	42.31	6.48	38.30	34.71	Peak	329	157	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11011.35	52.13	74.00	-21.87	42.07	6.47	38.30	34.71	Peak	155	128	VERTICAL
2	11013.78	39.51	54.00	-14.49	29.45	6.47	38.30	34.71	Average	158	128	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11098.64	40.09	54.00	-13.91	29.97	6.52	38.30	34.70	Average	337	172	HORIZONTAL
2	11104.28	53.34	74.00	-20.66	43.22	6.52	38.30	34.70	Peak	337	172	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11090.01	40.03	54.00	-13.97	29.91	6.52	38.30	34.70	Average	158	166	VERTICAL
2	11091.00	53.01	74.00	-20.99	42.89	6.52	38.30	34.70	Peak	158	166	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11333.83	40.51	54.00	-13.49	30.24	6.65	38.30	34.68	Average	290	150	HORIZONTAL
2	11345.62	53.12	74.00	-20.88	42.83	6.66	38.30	34.67	Peak	290	150	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11332.47	40.53	54.00	-13.47	30.26	6.65	38.30	34.68	Average	304	181	VERTICAL
2	11333.49	53.80	74.00	-20.20	43.53	6.65	38.30	34.68	Peak	304	181	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11414.27	40.07	54.00	-13.93	29.74	6.70	38.30	34.67	Average	120	120	HORIZONTAL
2	11426.34	53.59	74.00	-20.41	43.26	6.70	38.30	34.67	Peak	120	120	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11411.46	40.14	54.00	-13.86	29.82	6.69	38.30	34.67	Average	298	120	VERTICAL
2	11414.27	53.21	74.00	-20.79	42.88	6.70	38.30	34.67	Peak	221	120	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11590.00	40.46	54.00	-13.54	30.04	6.78	38.33	34.69	Average	214	159	HORIZONTAL
2	11592.14	53.56	74.00	-20.44	43.14	6.78	38.33	34.69	Peak	214	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11585.46	40.58	54.00	-13.42	30.16	6.78	38.33	34.69	Average	185	145	VERTICAL
2	11598.74	53.49	74.00	-20.51	43.08	6.78	38.33	34.70	Peak	185	147	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11586.79	40.59	54.00	-13.41	30.17	6.78	38.33	34.69	Average	244	165	HORIZONTAL
2	11597.03	53.81	74.00	-20.19	43.40	6.78	38.33	34.70	Peak	244	165	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11585.60	40.88	54.00	-13.12	30.46	6.78	38.33	34.69	Average	351	156	VERTICAL
2	11593.53	53.75	74.00	-20.25	43.33	6.78	38.33	34.69	Peak	221	156	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15630.00	42.87	54.00	-11.13	31.20	7.89	38.59	34.81	Average	85	165	HORIZONTAL
2	15630.96	55.91	74.00	-18.09	44.24	7.89	38.59	34.81	Peak	81	165	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15624.70	55.36	74.00	-18.64	43.69	7.88	38.60	34.81	Peak	166	173	VERTICAL
2	15635.33	42.85	54.00	-11.15	31.18	7.89	38.59	34.81	Average	166	173	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15865.08	43.02	54.00	-10.98	31.66	7.96	38.41	35.01	Average	288	163	HORIZONTAL
2	15868.73	55.88	74.00	-18.12	44.52	7.97	38.40	35.01	Peak	288	163	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15866.38	43.29	54.00	-10.71	31.93	7.96	38.41	35.01	Average	330	159	VERTICAL
2	15879.03	55.71	74.00	-18.29	44.35	7.97	38.40	35.01	Peak	328	159	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11064.11	39.82	54.00	-14.18	29.72	6.50	38.30	34.70	Average	143	0	HORIZONTAL
2	11066.51	53.51	74.00	-20.49	43.41	6.50	38.30	34.70	Peak	143	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11061.91	53.14	74.00	-20.86	43.04	6.50	38.30	34.70	Peak	282	152	VERTICAL
2	11065.70	39.81	54.00	-14.19	29.71	6.50	38.30	34.70	Average	282	8995	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 18, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11219.06	55.27	74.00	-18.73	42.14	8.88	34.85	39.10	HORIZONTAL	334	100	Peak
2	11220.27	42.47	54.00	-11.53	29.34	8.88	34.85	39.10	HORIZONTAL	334	100	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11219.64	55.83	74.00	-18.17	42.70	8.88	34.85	39.10	VERTICAL	66	100	Peak
2	11219.74	43.89	54.00	-10.11	30.76	8.88	34.85	39.10	VERTICAL	66	100	Average

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11375.05	53.31	74.00	-20.69	43.01	6.67	38.30	34.67	Peak	79	152	HORIZONTAL
2	11383.50	40.32	54.00	-13.68	30.01	6.68	38.30	34.67	Average	79	152	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11371.06	53.39	74.00	-20.61	43.09	6.67	38.30	34.67	Peak	350	160	VERTICAL
2	11386.74	40.38	54.00	-13.62	30.07	6.68	38.30	34.67	Average	350	160	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11540.13	40.34	54.00	-13.66	29.94	6.76	38.31	34.67	Average	142	160	HORIZONTAL
2	11554.40	52.98	74.00	-21.02	42.57	6.77	38.32	34.68	Peak	142	160	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11544.21	40.66	54.00	-13.34	30.26	6.76	38.31	34.67	Average	295	157	VERTICAL
2	11549.36	53.22	74.00	-20.78	42.81	6.77	38.32	34.68	Peak	295	157	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15599.55	56.31	74.00	-17.69	44.60	7.88	38.62	34.79	Peak	174	154	HORIZONTAL
2	15630.81	43.33	54.00	-10.67	31.66	7.89	38.59	34.81	Average	174	154	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15604.99	57.50	74.00	-16.50	45.79	7.88	38.62	34.79	Peak	305	152	VERTICAL
2	15662.53	43.23	54.00	-10.77	31.60	7.90	38.56	34.83	Average	191	152	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15863.31	57.62	74.00	-16.38	46.26	7.96	38.41	35.01	Peak	105	169	HORIZONTAL
2	15878.83	43.40	54.00	-10.60	32.04	7.97	38.40	35.01	Average	156	169	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15876.34	56.72	74.00	-17.28	45.36	7.97	38.40	35.01	Peak	283	158	VERTICAL
2	15877.29	43.34	54.00	-10.66	31.98	7.97	38.40	35.01	Average	283	122	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11060.67	53.58	74.00	-20.42	43.48	6.50	38.30	34.70	Peak	200	157	HORIZONTAL
2	11069.32	40.19	54.00	-13.81	30.09	6.50	38.30	34.70	Average	200	160	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11051.35	53.33	74.00	-20.67	43.24	6.49	38.30	34.70	Peak	120	163	VERTICAL
2	11065.64	40.20	54.00	-13.80	30.10	6.50	38.30	34.70	Average	120	153	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 18, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11219.60	56.14	74.00	-17.86	43.01	8.88	34.85	39.10	HORIZONTAL	217	100	Peak
2	11220.21	42.15	54.00	-11.85	29.02	8.88	34.85	39.10	HORIZONTAL	217	100	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11220.59	55.89	74.00	-18.11	42.76	8.88	34.85	39.10	VERTICAL	302	100	Peak
2	11220.71	42.22	54.00	-11.78	29.09	8.88	34.85	39.10	VERTICAL	302	100	Average

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11377.77	53.78	74.00	-20.22	43.48	6.67	38.30	34.67	Peak	299	120	HORIZONTAL
2	11378.64	40.64	54.00	-13.36	30.33	6.68	38.30	34.67	Average	299	120	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11372.45	40.65	54.00	-13.35	30.35	6.67	38.30	34.67	Average	177	125	VERTICAL
2	11389.90	54.43	74.00	-19.57	44.12	6.68	38.30	34.67	Peak	177	125	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 07, 2014	Test Mode	Mode 1 (Ant. 1 Dipole antenna / 1dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11540.80	53.57	74.00	-20.43	43.17	6.76	38.31	34.67	Peak	200	157	HORIZONTAL
2	11558.97	40.56	54.00	-13.44	30.15	6.77	38.32	34.68	Average	202	157	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	11549.59	41.06	54.00	-12.94	30.65	6.77	38.32	34.68	Average	265	150	VERTICAL
2	11552.66	53.85	74.00	-20.15	43.44	6.77	38.32	34.68	Peak	265	150	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 19, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15553.00	60.50	74.00	-13.50	45.21	12.05	38.12	34.88	Peak	100	311	HORIZONTAL
2	15590.00	47.48	54.00	-6.52	32.26	12.06	38.06	34.90	Average	100	246	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	15556.40	47.24	54.00	-6.76	31.97	12.05	38.11	34.89	Average	100	144	VERTICAL
2	15568.80	60.76	74.00	-13.24	45.51	12.05	38.09	34.89	Peak	100	144	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 19, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15607.60	60.59	74.00	-13.41	45.40	12.07	38.03	34.91	Peak	100	262	HORIZONTAL
2	15624.20	47.70	54.00	-6.30	32.54	12.07	38.01	34.92	Average	100	262	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	15569.60	59.55	74.00	-14.45	44.30	12.05	38.09	34.89	Peak	100	312	VERTICAL
2	15631.20	47.65	54.00	-6.35	32.50	12.08	37.99	34.92	Average	100	312	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 19, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15674.20	47.05	54.00	-6.95	31.98	12.09	37.92	34.94	Average	100	281	HORIZONTAL
2	15680.60	59.72	74.00	-14.28	44.67	12.10	37.90	34.95	Peak	100	281	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	15670.00	46.89	54.00	-7.11	31.81	12.09	37.93	34.94	Average	100	130	VERTICAL
2	15690.00	60.53	74.00	-13.47	45.49	12.10	37.89	34.95	Peak	100	130	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 19, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15730.60	59.04	74.00	-14.96	44.09	12.11	37.81	34.97	Peak	165	159	HORIZONTAL
2	15730.60	46.50	54.00	-7.50	31.55	12.11	37.81	34.97	Average	165	159	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	15730.40	46.55	54.00	-7.45	31.58	12.11	37.83	34.97	Average	165	242	VERTICAL
2	15757.60	59.24	74.00	-14.76	44.31	12.13	37.78	34.98	Peak	165	242	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 19, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	10590.28	44.60	54.00	-9.40	29.87	9.91	40.07	35.25	Average	100	128	HORIZONTAL
2	10596.16	57.35	74.00	-16.65	42.63	9.92	40.07	35.27	Peak	100	128	HORIZONTAL
3	15896.64	46.11	54.00	-7.89	31.41	12.18	37.57	35.05	Average	165	222	HORIZONTAL
4	15903.32	58.78	74.00	-15.22	44.11	12.18	37.54	35.05	Peak	165	222	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	10592.00	57.09	74.00	-16.91	42.35	9.91	40.08	35.25	Peak	165	139	VERTICAL
2	10602.24	44.61	54.00	-9.39	29.89	9.92	40.08	35.28	Average	165	139	VERTICAL
3	15896.04	46.32	54.00	-7.68	31.63	12.18	37.56	35.05	Average	165	28	VERTICAL
4	15909.24	59.15	74.00	-14.85	44.49	12.18	37.54	35.06	Peak	165	28	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 19, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	10637.00	44.08	54.00	-9.92	29.40	9.95	40.11	35.38	Average	165	81	HORIZONTAL
2	10640.12	57.85	74.00	-16.15	43.18	9.95	40.11	35.39	Peak	165	81	HORIZONTAL
3	15950.56	59.90	74.00	-14.10	45.30	12.20	37.48	35.08	Peak	165	122	HORIZONTAL
4	15960.96	46.59	54.00	-7.41	32.01	12.20	37.46	35.08	Average	165	122	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	10640.48	56.84	74.00	-17.16	42.17	9.95	40.11	35.39	Peak	165	242	VERTICAL
2	10643.32	43.96	54.00	-10.04	29.29	9.95	40.12	35.40	Average	165	242	VERTICAL
3	15955.12	46.76	54.00	-7.24	32.17	12.20	37.47	35.08	Average	100	45	VERTICAL
4	15966.88	59.24	74.00	-14.76	44.66	12.21	37.45	35.08	Peak	100	45	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 19, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	10997.52	57.44	74.00	-16.56	43.25	10.20	40.40	36.41	Peak	165	269	HORIZONTAL
2	11000.92	44.07	54.00	-9.93	29.89	10.20	40.40	36.42	Average	165	269	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	10994.24	44.12	54.00	-9.88	29.92	10.20	40.40	36.40	Average	165	321	VERTICAL
2	10998.20	56.40	74.00	-17.60	42.21	10.20	40.40	36.41	Peak	165	321	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 19, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11152.72	57.28	74.00	-16.72	42.99	10.30	40.34	36.35	Peak	165	335	HORIZONTAL
2	11162.32	43.87	54.00	-10.13	29.59	10.30	40.33	36.35	Average	165	335	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	11167.68	57.43	74.00	-16.57	43.13	10.31	40.33	36.34	Peak	165	187	VERTICAL
2	11170.00	43.76	54.00	-10.24	29.46	10.31	40.33	36.34	Average	165	187	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11397.88	44.63	54.00	-9.37	30.18	10.45	40.24	36.24	Average	165	132	HORIZONTAL
2	11408.52	58.08	74.00	-15.92	43.63	10.45	40.24	36.24	Peak	165	132	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	11398.24	57.10	74.00	-16.90	42.65	10.45	40.24	36.24	Peak	165	68	VERTICAL
2	11402.72	44.82	54.00	-9.18	30.37	10.45	40.24	36.24	Average	165	68	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11435.60	45.36	54.00	-8.64	30.88	10.47	40.23	36.22	Average	165	281	HORIZONTAL
2	11441.82	58.60	74.00	-15.40	44.12	10.47	40.23	36.22	Peak	165	281	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	11438.10	58.02	74.00	-15.98	43.55	10.47	40.22	36.22	Peak	165	256	VERTICAL
2	11439.38	45.26	54.00	-8.74	30.79	10.47	40.22	36.22	Average	165	256	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11488.14	57.44	74.00	-16.56	42.93	10.50	40.21	36.20	Peak	165	299	HORIZONTAL
2	11489.50	44.88	54.00	-9.12	30.37	10.50	40.21	36.20	Average	165	299	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	11488.98	44.86	54.00	-9.14	30.36	10.50	40.20	36.20	Average	165	115	VERTICAL
2	11489.06	57.72	74.00	-16.28	43.22	10.50	40.20	36.20	Peak	165	115	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11567.28	57.58	74.00	-16.42	43.18	10.54	40.03	36.17	Peak	165	162	HORIZONTAL
2	11569.38	44.80	54.00	-9.20	30.39	10.54	40.03	36.16	Average	165	162	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	11567.48	57.89	74.00	-16.11	43.48	10.54	40.04	36.17	Peak	165	256	VERTICAL
2	11569.92	44.86	54.00	-9.14	30.45	10.54	40.03	36.16	Average	165	256	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11645.70	44.90	54.00	-9.10	30.59	10.57	39.87	36.13	Average	165	265	HORIZONTAL
2	11649.82	57.73	74.00	-16.27	43.42	10.57	39.87	36.13	Peak	165	265	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	11647.86	57.30	74.00	-16.70	43.02	10.57	39.84	36.13	Peak	165	310	VERTICAL
2	11652.06	44.66	54.00	-9.34	30.39	10.57	39.83	36.13	Average	165	310	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	10357.32	57.28	74.00	-16.72	42.30	9.78	39.76	34.56	Peak	165	246	HORIZONTAL
2	10363.82	44.52	54.00	-9.48	29.53	9.78	39.79	34.58	Average	165	246	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	10355.72	58.35	74.00	-15.65	43.36	9.78	39.77	34.56	Peak	165	209	VERTICAL
2	10362.06	44.55	54.00	-9.45	29.57	9.78	39.78	34.58	Average	165	209	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15602.36	59.35	74.00	-14.65	44.17	12.06	38.03	34.91	Peak	165	241	HORIZONTAL
2	15604.54	47.08	54.00	-6.92	31.89	12.07	38.03	34.91	Average	165	241	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	15601.22	59.68	74.00	-14.32	44.49	12.06	38.04	34.91	Peak	165	83	VERTICAL
2	15604.60	46.93	54.00	-7.07	31.74	12.07	38.03	34.91	Average	165	83	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15721.52	57.49	74.00	-16.51	42.51	12.11	37.84	34.97	Peak	165	69	HORIZONTAL
2	15722.04	45.78	54.00	-8.22	30.80	12.11	37.84	34.97	Average	165	69	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	15715.64	58.71	74.00	-15.29	43.71	12.11	37.85	34.96	Peak	165	349	VERTICAL
2	15725.08	45.83	54.00	-8.17	30.85	12.11	37.84	34.97	Average	165	349	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15775.00	45.28	54.00	-8.72	30.38	12.13	37.76	34.99	Average	165	155	HORIZONTAL
2	15789.00	57.83	74.00	-16.17	42.96	12.14	37.73	35.00	Peak	165	155	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	15773.48	58.11	74.00	-15.89	43.21	12.13	37.76	34.99	Peak	165	208	VERTICAL
2	15787.28	45.48	54.00	-8.52	30.60	12.14	37.74	35.00	Average	165	208	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	10602.16	57.50	74.00	-16.50	42.78	9.92	40.08	35.28	Peak	165	186	HORIZONTAL
2	10605.60	44.29	54.00	-9.71	29.58	9.92	40.08	35.29	Average	165	186	HORIZONTAL
3	15901.36	45.10	54.00	-8.90	30.43	12.18	37.54	35.05	Average	165	33	HORIZONTAL
4	15907.08	57.93	74.00	-16.07	43.27	12.18	37.54	35.06	Peak	165	33	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	10590.96	56.66	74.00	-17.34	41.93	9.91	40.07	35.25	Peak	165	297	VERTICAL
2	10591.08	44.05	54.00	-9.95	29.32	9.91	40.07	35.25	Average	165	297	VERTICAL
3	15898.40	57.58	74.00	-16.42	42.89	12.18	37.56	35.05	Peak	165	148	VERTICAL
4	15901.24	45.32	54.00	-8.68	30.63	12.18	37.56	35.05	Average	165	148	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	10633.92	44.06	54.00	-9.94	29.39	9.94	40.11	35.38	Average	165	106	HORIZONTAL
2	10644.12	57.16	74.00	-16.84	42.51	9.95	40.11	35.41	Peak	165	106	HORIZONTAL
3	15954.80	45.55	54.00	-8.45	30.97	12.20	37.46	35.08	Average	165	276	HORIZONTAL
4	15968.36	58.01	74.00	-15.99	43.42	12.21	37.46	35.08	Peak	165	276	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	10637.32	43.89	54.00	-10.11	29.22	9.95	40.11	35.39	Average	165	16	VERTICAL
2	10645.88	56.78	74.00	-17.22	42.12	9.95	40.12	35.41	Peak	165	16	VERTICAL
3	15954.56	45.71	54.00	-8.29	31.12	12.20	37.47	35.08	Average	165	199	VERTICAL
4	15955.84	58.28	74.00	-15.72	43.69	12.20	37.47	35.08	Peak	165	199	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11001.72	44.04	54.00	-9.96	29.85	10.21	40.40	36.42	Average	165	94	HORIZONTAL
2	11009.92	56.79	74.00	-17.21	42.61	10.21	40.39	36.42	Peak	165	94	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	10994.52	43.89	54.00	-10.11	29.69	10.20	40.40	36.40	Average	165	270	VERTICAL
2	11006.52	56.97	74.00	-17.03	42.78	10.21	40.40	36.42	Peak	165	270	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11150.56	44.20	54.00	-9.80	29.91	10.30	40.34	36.35	Average	165	35	HORIZONTAL
2	11150.92	57.06	74.00	-16.94	42.77	10.30	40.34	36.35	Peak	165	35	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	11150.52	43.97	54.00	-10.03	29.68	10.30	40.34	36.35	Average	165	276	VERTICAL
2	11158.44	57.32	74.00	-16.68	43.03	10.30	40.34	36.35	Peak	165	276	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11398.80	44.66	54.00	-9.34	30.21	10.45	40.24	36.24	Average	165	312	HORIZONTAL
2	11409.52	57.42	74.00	-16.58	42.97	10.45	40.24	36.24	Peak	165	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	11390.00	44.75	54.00	-9.25	30.31	10.44	40.24	36.24	Average	165	182	VERTICAL
2	11407.36	57.83	74.00	-16.17	43.38	10.45	40.24	36.24	Peak	165	182	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11439.52	44.79	54.00	-9.21	30.31	10.47	40.23	36.22	Average	165	100	HORIZONTAL
2	11440.40	57.94	74.00	-16.06	43.46	10.47	40.23	36.22	Peak	165	100	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	11447.92	44.81	54.00	-9.19	30.33	10.48	40.22	36.22	Average	165	209	VERTICAL
2	11448.00	58.30	74.00	-15.70	43.82	10.48	40.22	36.22	Peak	165	209	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11482.16	44.58	54.00	-9.42	30.07	10.50	40.21	36.20	Average	165	243	HORIZONTAL
2	11499.56	57.24	74.00	-16.76	42.73	10.51	40.20	36.20	Peak	165	243	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	11482.60	58.06	74.00	-15.94	43.55	10.50	40.21	36.20	Peak	165	314	VERTICAL
2	11486.72	44.65	54.00	-9.35	30.14	10.50	40.21	36.20	Average	165	314	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11560.24	57.32	74.00	-16.68	42.88	10.53	40.08	36.17	Peak	165	310	HORIZONTAL
2	11576.08	44.76	54.00	-9.24	30.35	10.54	40.03	36.16	Average	165	310	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	11564.12	44.68	54.00	-9.32	30.28	10.53	40.04	36.17	Average	165	149	VERTICAL
2	11578.20	58.17	74.00	-15.83	43.78	10.54	40.01	36.16	Peak	165	149	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11649.68	44.42	54.00	-9.58	30.11	10.57	39.87	36.13	Average	165	272	HORIZONTAL
2	11654.40	57.52	74.00	-16.48	43.25	10.57	39.83	36.13	Peak	165	272	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	11645.40	44.61	54.00	-9.39	30.32	10.57	39.85	36.13	Average	165	317	VERTICAL
2	11649.64	57.86	74.00	-16.14	43.58	10.57	39.84	36.13	Peak	165	317	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15568.80	59.78	74.00	-14.22	44.53	12.05	38.09	34.89	Peak	165	345	HORIZONTAL
2	15571.04	47.73	54.00	-6.27	32.48	12.05	38.09	34.89	Average	165	345	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	15519.04	47.98	54.00	-6.02	32.65	12.03	38.17	34.87	Average	165	262	VERTICAL
2	15553.76	59.98	74.00	-14.02	44.71	12.05	38.11	34.89	Peak	165	262	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15609.28	47.41	54.00	-6.59	32.22	12.07	38.03	34.91	Average	165	286	HORIZONTAL
2	15623.36	60.40	74.00	-13.60	45.24	12.07	38.01	34.92	Peak	165	286	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	15597.28	59.92	74.00	-14.08	44.73	12.06	38.04	34.91	Peak	165	87	VERTICAL
2	15626.56	47.62	54.00	-6.38	32.47	12.07	38.00	34.92	Average	165	87	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15687.52	47.19	54.00	-6.81	32.14	12.10	37.90	34.95	Average	165	229	HORIZONTAL
2	15696.96	59.63	74.00	-14.37	44.61	12.10	37.87	34.95	Peak	165	229	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	15688.80	47.28	54.00	-6.72	32.24	12.10	37.89	34.95	Average	165	185	VERTICAL
2	15693.28	60.17	74.00	-13.83	45.13	12.10	37.89	34.95	Peak	165	185	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15746.24	59.37	74.00	-14.63	44.42	12.12	37.81	34.98	Peak	165	311	HORIZONTAL
2	15760.16	46.83	54.00	-7.17	31.90	12.13	37.79	34.99	Average	165	311	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	15751.20	59.33	74.00	-14.67	44.40	12.12	37.79	34.98	Peak	165	131	VERTICAL
2	15753.60	46.92	54.00	-7.08	31.99	12.12	37.79	34.98	Average	165	131	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	10573.60	57.49	74.00	-16.51	42.73	9.90	40.06	35.20	Peak	165	264	HORIZONTAL
2	10582.88	44.94	54.00	-9.06	30.19	9.91	40.07	35.23	Average	165	264	HORIZONTAL
3	15872.96	46.40	54.00	-7.60	31.68	12.17	37.59	35.04	Average	165	113	HORIZONTAL
4	15932.48	59.23	74.00	-14.77	44.60	12.19	37.51	35.07	Peak	165	113	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	10561.44	57.45	74.00	-16.55	42.67	9.89	40.05	35.16	Peak	165	48	VERTICAL
2	10590.40	44.86	54.00	-9.14	30.13	9.91	40.07	35.25	Average	165	48	VERTICAL
3	15874.88	59.72	74.00	-14.28	44.99	12.17	37.60	35.04	Peak	165	243	VERTICAL
4	15935.52	46.62	54.00	-7.38	32.00	12.19	37.50	35.07	Average	165	243	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	10618.72	57.67	74.00	-16.33	42.97	9.93	40.10	35.33	Peak	165	113	HORIZONTAL
2	10626.08	44.82	54.00	-9.18	30.13	9.94	40.10	35.35	Average	165	113	HORIZONTAL
3	15983.36	59.75	74.00	-14.25	45.20	12.21	37.43	35.09	Peak	165	301	HORIZONTAL
4	15984.32	46.99	54.00	-7.01	32.44	12.21	37.43	35.09	Average	165	301	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	10622.72	44.64	54.00	-9.36	29.94	9.94	40.10	35.34	Average	165	74	VERTICAL
2	10631.68	57.18	74.00	-16.82	42.50	9.94	40.11	35.37	Peak	165	74	VERTICAL
3	15988.64	46.83	54.00	-7.17	32.29	12.21	37.42	35.09	Average	165	178	VERTICAL
4	15989.44	60.29	74.00	-13.71	45.75	12.21	37.42	35.09	Peak	165	178	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11000.00	57.09	74.00	-16.91	42.91	10.20	40.40	36.42	Peak	165	192	HORIZONTAL
2	11026.56	44.64	54.00	-9.36	30.44	10.22	40.39	36.41	Average	165	192	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	11007.20	44.57	54.00	-9.43	30.38	10.21	40.40	36.42	Average	165	121	VERTICAL
2	11038.88	56.93	74.00	-17.07	42.72	10.23	40.38	36.40	Peak	165	121	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11121.28	44.69	54.00	-9.31	30.42	10.28	40.35	36.36	Average	165	261	HORIZONTAL
2	11132.96	57.65	74.00	-16.35	43.37	10.29	40.35	36.36	Peak	165	261	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	11125.12	56.63	74.00	-17.37	42.36	10.28	40.35	36.36	Peak	165	123	VERTICAL
2	11133.60	44.58	54.00	-9.42	30.30	10.29	40.35	36.36	Average	165	123	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11411.52	57.80	74.00	-16.20	43.34	10.45	40.24	36.23	Peak	165	250	HORIZONTAL
2	11429.92	45.26	54.00	-8.74	30.80	10.46	40.23	36.23	Average	165	250	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	11438.08	57.74	74.00	-16.26	43.27	10.47	40.22	36.22	Peak	165	79	VERTICAL
2	11439.68	45.38	54.00	-8.62	30.91	10.47	40.22	36.22	Average	165	79	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11421.28	58.13	74.00	-15.87	43.67	10.46	40.23	36.23	Peak	165	243	HORIZONTAL
2	11429.92	45.64	54.00	-8.36	31.18	10.46	40.23	36.23	Average	165	243	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	11383.04	57.99	74.00	-16.01	43.55	10.44	40.25	36.25	Peak	165	85	VERTICAL
2	11433.44	45.52	54.00	-8.48	31.04	10.47	40.23	36.22	Average	165	85	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11457.68	45.34	54.00	-8.66	30.85	10.48	40.22	36.21	Average	165	160	HORIZONTAL
2	11507.28	58.35	74.00	-15.65	43.83	10.51	40.20	36.19	Peak	165	160	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	11497.52	45.62	54.00	-8.38	31.12	10.50	40.20	36.20	Average	165	59	VERTICAL
2	11511.12	57.91	74.00	-16.09	43.42	10.51	40.17	36.19	Peak	165	59	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11549.52	57.58	74.00	-16.42	43.14	10.53	40.08	36.17	Peak	165	53	HORIZONTAL
2	11594.16	45.42	54.00	-8.58	31.03	10.55	39.99	36.15	Average	165	53	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	11556.24	57.89	74.00	-16.11	43.47	10.53	40.06	36.17	Peak	165	238	VERTICAL
2	11591.76	45.47	54.00	-8.53	31.10	10.55	39.98	36.16	Average	165	238	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11610.64	45.35	54.00	-8.65	30.99	10.56	39.95	36.15	Average	165	47	HORIZONTAL
2	11617.84	57.68	74.00	-16.32	43.35	10.56	39.91	36.14	Peak	165	47	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	11614.64	45.28	54.00	-8.72	30.95	10.56	39.92	36.15	Average	165	227	VERTICAL
2	11677.04	57.30	74.00	-16.70	43.07	10.58	39.77	36.12	Peak	165	227	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15573.01	59.72	74.00	-14.28	44.47	12.05	38.09	34.89	Peak	165	287	HORIZONTAL
2	15573.13	47.04	54.00	-6.96	31.79	12.05	38.09	34.89	Average	165	287	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	15570.42	60.07	74.00	-13.93	44.82	12.05	38.09	34.89	Peak	165	116	VERTICAL
2	15574.77	47.06	54.00	-6.94	31.83	12.05	38.08	34.90	Average	165	116	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15684.16	46.46	54.00	-7.54	31.41	12.10	37.90	34.95	Average	165	148	HORIZONTAL
2	15689.20	58.46	74.00	-15.54	43.41	12.10	37.90	34.95	Peak	165	148	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	15671.52	59.48	74.00	-14.52	44.41	12.09	37.92	34.94	Peak	165	253	VERTICAL
2	15699.52	46.79	54.00	-7.21	31.77	12.10	37.88	34.96	Average	165	253	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11357.68	44.47	54.00	-9.53	30.05	10.42	40.26	36.26	Average	165	230	HORIZONTAL
2	11358.72	57.01	74.00	-16.99	42.59	10.42	40.26	36.26	Peak	165	230	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	11338.24	57.26	74.00	-16.74	42.86	10.41	40.26	36.27	Peak	165	46	VERTICAL
2	11351.12	44.85	54.00	-9.15	30.43	10.42	40.26	36.26	Average	165	46	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11418.24	44.97	54.00	-9.03	30.51	10.46	40.23	36.23	Average	165	272	HORIZONTAL
2	11420.88	57.56	74.00	-16.44	43.10	10.46	40.23	36.23	Peak	165	272	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	11423.84	44.83	54.00	-9.17	30.37	10.46	40.23	36.23	Average	165	172	VERTICAL
2	11429.76	57.58	74.00	-16.42	43.12	10.46	40.23	36.23	Peak	165	172	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15790.16	45.14	54.00	-8.86	30.27	12.14	37.73	35.00	Average	165	76	HORIZONTAL
2	15793.44	57.98	74.00	-16.02	43.11	12.14	37.73	35.00	Peak	165	76	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	15811.04	45.03	54.00	-8.97	30.19	12.15	37.70	35.01	Average	165	288	VERTICAL
2	15814.03	57.46	74.00	-16.54	42.63	12.15	37.69	35.01	Peak	165	288	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15790.16	45.14	54.00	-8.86	30.27	12.14	37.73	35.00	Average	165	76	HORIZONTAL
2	15793.44	57.98	74.00	-16.02	43.11	12.14	37.73	35.00	Peak	165	76	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	10600.56	57.02	74.00	-16.98	42.30	9.92	40.08	35.28	Peak	165	205	VERTICAL
2	10620.80	44.12	54.00	-9.88	29.43	9.93	40.10	35.34	Average	165	205	VERTICAL
3	15935.92	45.41	54.00	-8.59	30.79	12.19	37.50	35.07	Average	165	310	VERTICAL
4	15939.36	57.37	74.00	-16.63	42.74	12.20	37.50	35.07	Peak	165	310	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11005.84	43.92	54.00	-10.08	29.74	10.21	40.39	36.42	Average	165	258	HORIZONTAL
2	11021.28	56.62	74.00	-17.38	42.42	10.22	40.39	36.41	Peak	165	258	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	11008.24	43.98	54.00	-10.02	29.79	10.21	40.40	36.42	Average	165	292	VERTICAL
2	11020.56	56.93	74.00	-17.07	42.73	10.22	40.39	36.41	Peak	165	292	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11104.24	56.65	74.00	-17.35	42.39	10.27	40.36	36.37	Peak	165	214	HORIZONTAL
2	11114.32	44.28	54.00	-9.72	30.03	10.27	40.35	36.37	Average	165	214	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	11093.20	44.20	54.00	-9.80	29.96	10.26	40.36	36.38	Average	165	289	VERTICAL
2	11098.32	56.78	74.00	-17.22	42.54	10.26	40.36	36.38	Peak	165	289	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11490.96	57.46	74.00	-16.54	42.95	10.50	40.21	36.20	Peak	165	316	HORIZONTAL
2	11510.08	44.37	54.00	-9.63	29.85	10.51	40.20	36.19	Average	165	316	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	11524.48	57.42	74.00	-16.58	42.94	10.52	40.14	36.18	Peak	165	133	VERTICAL
2	11525.84	44.48	54.00	-9.52	30.00	10.52	40.14	36.18	Average	165	133	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11570.16	57.41	74.00	-16.59	43.00	10.54	40.03	36.16	Peak	165	263	HORIZONTAL
2	11602.96	44.71	54.00	-9.29	30.36	10.55	39.95	36.15	Average	165	263	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	11596.80	57.29	74.00	-16.71	42.93	10.55	39.96	36.15	Peak	165	157	VERTICAL
2	11598.00	44.90	54.00	-9.10	30.54	10.55	39.96	36.15	Average	165	157	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15558.16	47.54	54.00	-6.46	32.26	12.05	38.12	34.89	Average	165	306	HORIZONTAL
2	15563.92	60.09	74.00	-13.91	44.84	12.05	38.09	34.89	Peak	165	306	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	15548.40	47.72	54.00	-6.28	32.44	12.04	38.12	34.88	Average	165	154	VERTICAL
2	15571.28	60.76	74.00	-13.24	45.52	12.05	38.08	34.89	Peak	165	154	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15653.52	60.14	74.00	-13.86	45.04	12.08	37.95	34.93	Peak	165	99	HORIZONTAL
2	15685.20	47.44	54.00	-6.56	32.39	12.10	37.90	34.95	Average	165	99	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	15652.56	47.37	54.00	-6.63	32.27	12.08	37.95	34.93	Average	165	185	VERTICAL
2	15695.60	59.77	74.00	-14.23	44.74	12.10	37.88	34.95	Peak	165	185	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15774.16	46.65	54.00	-7.35	31.75	12.13	37.76	34.99	Average	165	227	HORIZONTAL
2	15849.52	59.21	74.00	-14.79	44.46	12.16	37.62	35.03	Peak	165	227	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	15788.40	46.85	54.00	-7.15	31.97	12.14	37.74	35.00	Average	165	110	VERTICAL
2	15805.04	59.44	74.00	-14.56	44.60	12.14	37.71	35.01	Peak	165	110	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	10603.52	45.07	54.00	-8.93	30.36	9.92	40.08	35.29	Average	165	164	HORIZONTAL
2	10651.52	57.08	74.00	-16.92	42.43	9.96	40.12	35.43	Peak	165	164	HORIZONTAL
3	15910.96	47.07	54.00	-6.93	32.41	12.18	37.54	35.06	Average	165	97	HORIZONTAL
4	15969.04	59.66	74.00	-14.34	45.11	12.21	37.43	35.09	Peak	165	97	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	10601.92	44.68	54.00	-9.32	29.96	9.92	40.08	35.28	Average	165	223	VERTICAL
2	10612.00	58.49	74.00	-15.51	43.78	9.93	40.09	35.31	Peak	165	223	VERTICAL
3	15925.04	59.54	74.00	-14.46	44.89	12.19	37.52	35.06	Peak	165	177	VERTICAL
4	15962.96	47.17	54.00	-6.83	32.59	12.20	37.46	35.08	Average	165	177	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11041.92	56.96	74.00	-17.04	42.75	10.23	40.38	36.40	Peak	165	76	HORIZONTAL
2	11052.64	44.66	54.00	-9.34	30.44	10.24	40.38	36.40	Average	165	76	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	11015.84	57.22	74.00	-16.78	43.03	10.21	40.39	36.41	Peak	165	217	VERTICAL
2	11050.72	44.50	54.00	-9.50	30.28	10.24	40.38	36.40	Average	165	217	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11073.76	57.15	74.00	-16.85	42.92	10.25	40.37	36.39	Peak	165	161	HORIZONTAL
2	11122.72	44.98	54.00	-9.02	30.71	10.28	40.35	36.36	Average	165	161	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	11114.72	44.97	54.00	-9.03	30.72	10.27	40.35	36.37	Average	165	210	VERTICAL
2	11123.20	57.56	74.00	-16.44	43.29	10.28	40.35	36.36	Peak	165	210	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11339.20	57.42	74.00	-16.58	43.01	10.41	40.27	36.27	Peak	165	237	HORIZONTAL
2	11375.52	44.99	54.00	-9.01	30.56	10.43	40.25	36.25	Average	165	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	11353.92	57.30	74.00	-16.70	42.88	10.42	40.26	36.26	Peak	165	189	VERTICAL
2	11379.36	45.02	54.00	-8.98	30.59	10.43	40.25	36.25	Average	165	189	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11452.96	45.55	54.00	-8.45	31.07	10.48	40.22	36.22	Average	165	221	HORIZONTAL
2	11453.28	57.92	74.00	-16.08	43.44	10.48	40.22	36.22	Peak	165	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	11431.84	58.06	74.00	-15.94	43.59	10.47	40.23	36.23	Peak	165	139	VERTICAL
2	11449.92	45.65	54.00	-8.35	31.17	10.48	40.22	36.22	Average	165	139	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11477.84	45.54	54.00	-8.46	31.04	10.49	40.21	36.20	Average	165	236	HORIZONTAL
2	11482.00	58.45	74.00	-15.55	43.94	10.50	40.21	36.20	Peak	165	236	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	11513.84	45.50	54.00	-8.50	31.01	10.51	40.17	36.19	Average	165	320	VERTICAL
2	11526.16	59.18	74.00	-14.82	44.70	10.52	40.14	36.18	Peak	165	320	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11590.96	45.45	54.00	-8.55	31.07	10.55	39.99	36.16	Average	165	241	HORIZONTAL
2	11601.52	57.59	74.00	-16.41	43.24	10.55	39.95	36.15	Peak	165	241	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	11594.64	57.90	74.00	-16.10	43.53	10.55	39.97	36.15	Peak	165	105	VERTICAL
2	11600.24	45.62	54.00	-8.38	31.26	10.55	39.96	36.15	Average	165	105	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15633.84	47.82	54.00	-6.18	32.68	12.08	37.98	34.92	Average	165	122	HORIZONTAL
2	15663.92	59.85	74.00	-14.15	44.78	12.09	37.92	34.94	Peak	165	122	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	15626.64	60.99	74.00	-13.01	45.85	12.07	37.99	34.92	Peak	165	277	VERTICAL
2	15638.80	47.95	54.00	-6.05	32.82	12.08	37.98	34.93	Average	165	277	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11402.24	57.41	74.00	-16.59	42.96	10.45	40.24	36.24	Peak	165	153	HORIZONTAL
2	11418.88	45.67	54.00	-8.33	31.21	10.46	40.23	36.23	Average	165	153	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	11373.28	57.89	74.00	-16.11	43.46	10.43	40.25	36.25	Peak	165	230	VERTICAL
2	11411.36	45.48	54.00	-8.52	31.03	10.45	40.23	36.23	Average	165	230	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15888.72	59.44	74.00	-14.56	44.74	12.18	37.57	35.05	Peak	165	343	HORIZONTAL
2	15890.00	47.00	54.00	-7.00	32.30	12.18	37.57	35.05	Average	165	343	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	15878.64	59.21	74.00	-14.79	44.49	12.17	37.59	35.04	Peak	165	211	VERTICAL
2	15909.20	46.99	54.00	-7.01	32.33	12.18	37.54	35.06	Average	165	211	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11077.28	45.17	54.00	-8.83	30.93	10.25	40.37	36.38	Average	165	126	HORIZONTAL
2	11090.56	57.67	74.00	-16.33	43.43	10.26	40.36	36.38	Peak	165	126	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	11077.44	57.65	74.00	-16.35	43.41	10.25	40.37	36.38	Peak	165	252	VERTICAL
2	11077.92	45.19	54.00	-8.81	30.95	10.25	40.37	36.38	Average	165	252	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11199.68	44.88	54.00	-9.12	30.56	10.33	40.32	36.33	Average	165	327	HORIZONTAL
2	11225.60	56.96	74.00	-17.04	42.63	10.34	40.31	36.32	Peak	165	327	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	11192.48	44.83	54.00	-9.17	30.52	10.32	40.32	36.33	Average	165	239	VERTICAL
2	11259.68	57.86	74.00	-16.14	43.50	10.36	40.30	36.30	Peak	165	239	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11524.88	45.57	54.00	-8.43	31.07	10.52	40.16	36.18	Average	165	268	HORIZONTAL
2	11553.84	58.55	74.00	-15.45	44.11	10.53	40.08	36.17	Peak	165	268	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	11567.76	45.65	54.00	-8.35	31.25	10.54	40.03	36.17	Average	165	337	VERTICAL
2	11568.88	57.83	74.00	-16.17	43.43	10.54	40.03	36.17	Peak	165	337	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15621.52	47.61	54.00	-6.39	32.45	12.07	38.01	34.92	Average	165	330	HORIZONTAL
2	15626.64	59.94	74.00	-14.06	44.78	12.07	38.01	34.92	Peak	165	330	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	15590.80	59.93	74.00	-14.07	44.72	12.06	38.05	34.90	Peak	165	207	VERTICAL
2	15638.00	47.66	54.00	-6.34	32.53	12.08	37.98	34.93	Average	165	207	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	15864.88	46.81	54.00	-7.19	32.06	12.17	37.62	35.04	Average	165	338	HORIZONTAL
2	15908.24	59.83	74.00	-14.17	45.17	12.18	37.54	35.06	Peak	165	338	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	15884.24	46.91	54.00	-7.09	32.20	12.17	37.58	35.04	Average	165	218	VERTICAL
2	15898.48	58.96	74.00	-15.04	44.27	12.18	37.56	35.05	Peak	165	218	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11072.96	44.74	54.00	-9.26	30.51	10.25	40.37	36.39	Average	165	269	HORIZONTAL
2	11097.44	57.22	74.00	-16.78	42.98	10.26	40.36	36.38	Peak	165	269	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	11075.36	44.57	54.00	-9.43	30.34	10.25	40.37	36.39	Average	165	146	VERTICAL
2	11094.56	57.28	74.00	-16.72	43.04	10.26	40.36	36.38	Peak	165	146	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11241.44	56.83	74.00	-17.17	42.48	10.35	40.31	36.31	Peak	165	334	HORIZONTAL
2	11247.68	44.47	54.00	-9.53	30.12	10.36	40.30	36.31	Average	165	334	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	11192.64	56.83	74.00	-17.17	42.52	10.32	40.32	36.33	Peak	165	247	VERTICAL
2	11215.04	44.41	54.00	-9.59	30.08	10.34	40.31	36.32	Average	165	247	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 20, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11384.48	57.03	74.00	-16.97	42.59	10.44	40.25	36.25	Peak	165	305	HORIZONTAL
2	11402.40	45.11	54.00	-8.89	30.66	10.45	40.24	36.24	Average	165	305	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	11404.80	56.96	74.00	-17.04	42.51	10.45	40.24	36.24	Peak	165	160	VERTICAL
2	11420.00	45.09	54.00	-8.91	30.63	10.46	40.23	36.23	Average	165	160	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11ac MCS0/Nss3 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 21, 2014	Test Mode	Mode 2 (Ant. 3 Omnidirectional antenna / 6.7dBi)

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	11547.50	55.69	74.00	-18.31	41.21	10.53	40.12	36.17	Peak	165	54	HORIZONTAL
2	11547.50	44.80	54.00	-9.20	30.32	10.53	40.12	36.17	Average	165	54	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	11547.50	55.98	74.00	-18.02	41.54	10.53	40.08	36.17	Peak	165	233	VERTICAL
2	11547.50	44.70	54.00	-9.30	30.26	10.53	40.08	36.17	Average	165	233	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15536.45	55.44	74.00	-18.56	43.64	7.85	38.67	34.72	Peak	206	154	HORIZONTAL
2	15538.45	42.06	54.00	-11.94	30.26	7.85	38.67	34.72	Average	206	154	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15538.26	55.70	74.00	-18.30	43.90	7.85	38.67	34.72	Peak	236	162	VERTICAL
2	15544.54	42.10	54.00	-11.90	30.30	7.86	38.66	34.72	Average	236	162	VERTICAL

Temperature	24.5°C	Humidity	57%
Test Engineer	Akina Chiu	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3
Test Date	Nov. 08, 2014	Test Mode	Mode 3 (Ant. 4 Panel antenna / 9.2dBi)

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15600.06	42.34	54.00	-11.66	30.63	7.88	38.62	34.79	Average	214	164	HORIZONTAL
2	15604.53	56.02	74.00	-17.98	44.31	7.88	38.62	34.79	Peak	214	164	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	T/Pos	A/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		deg	cm	
1	15597.32	56.50	74.00	-17.50	44.77	7.88	38.62	34.77	Peak	138	175	VERTICAL
2	15597.77	42.52	54.00	-11.48	30.79	7.88	38.62	34.77	Average	138	175	VERTICAL