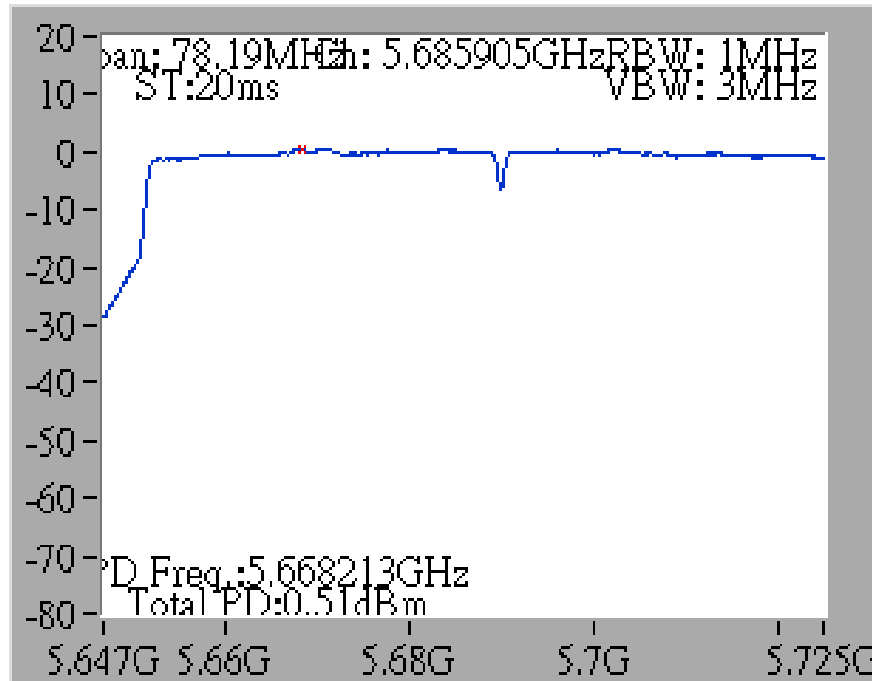
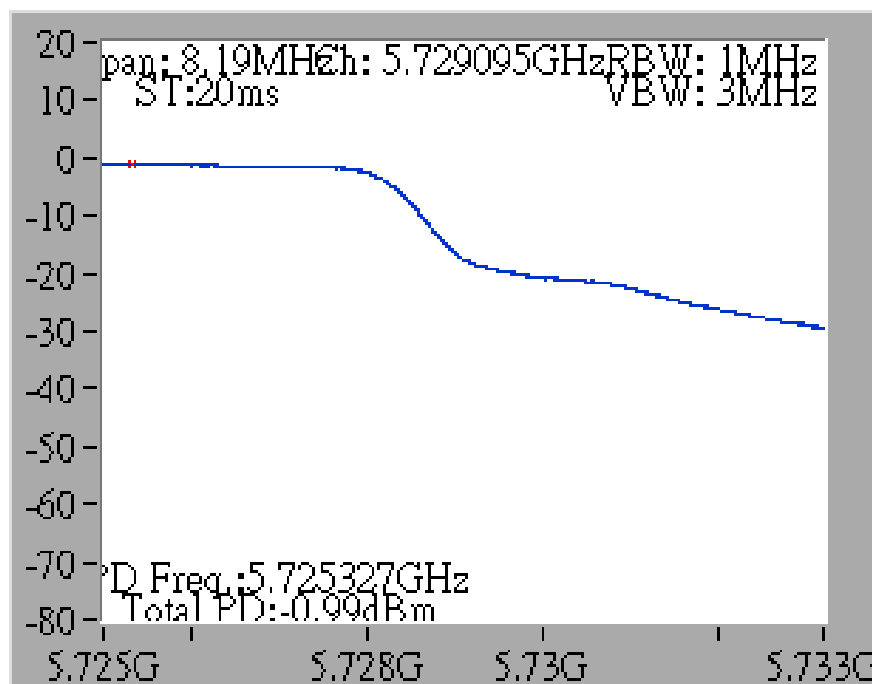


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

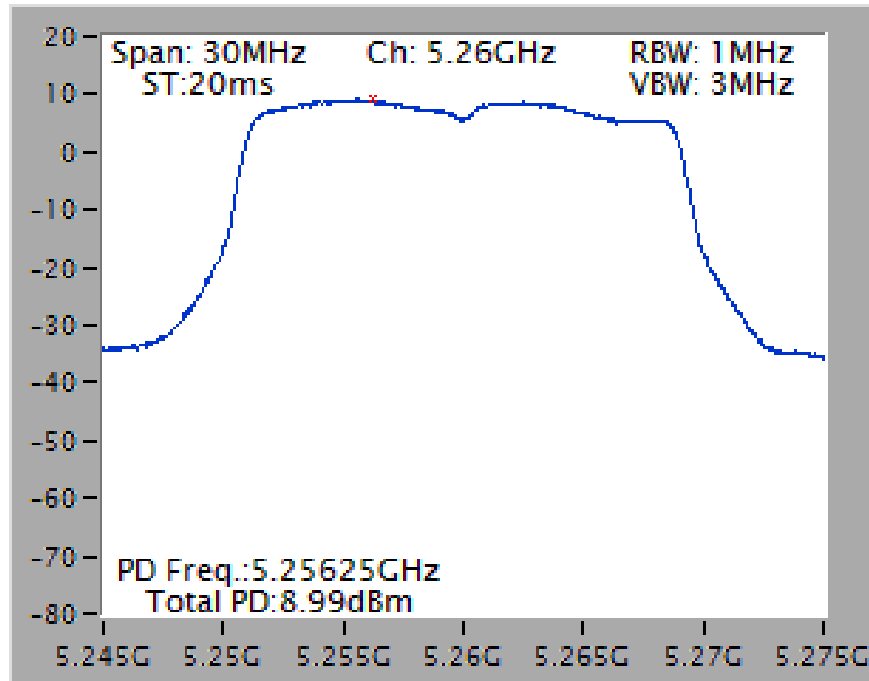


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

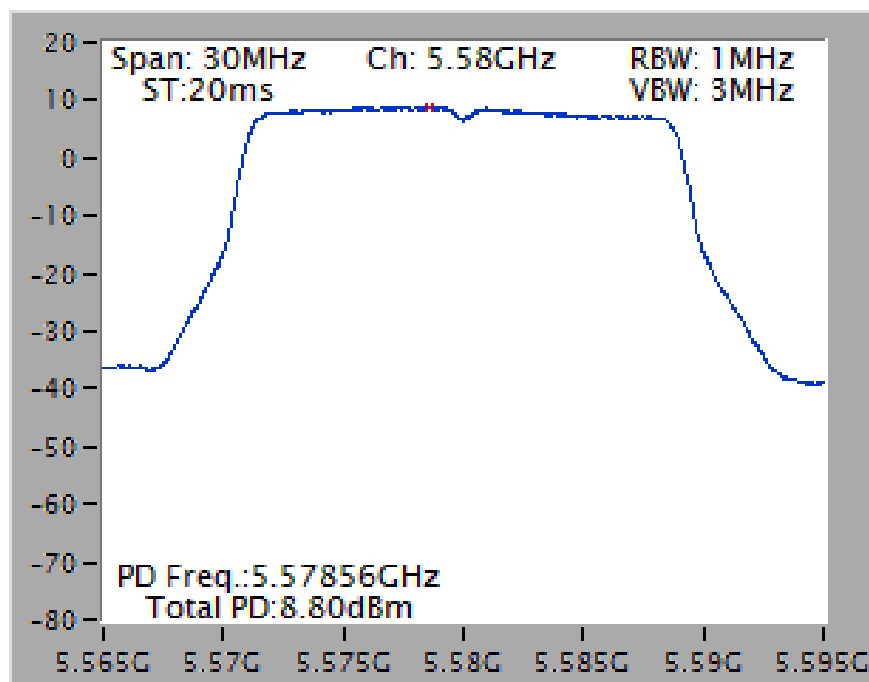


Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi

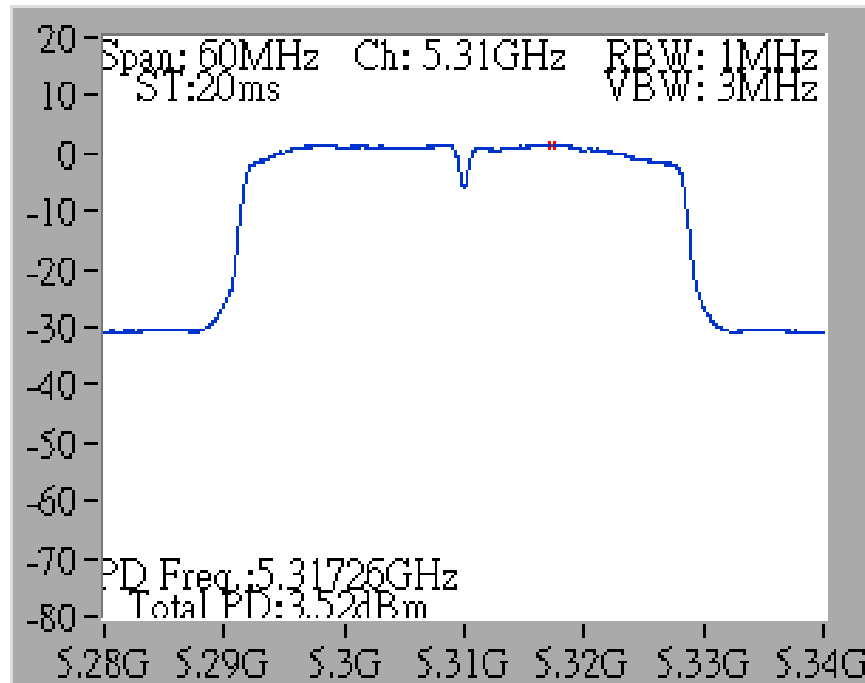
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



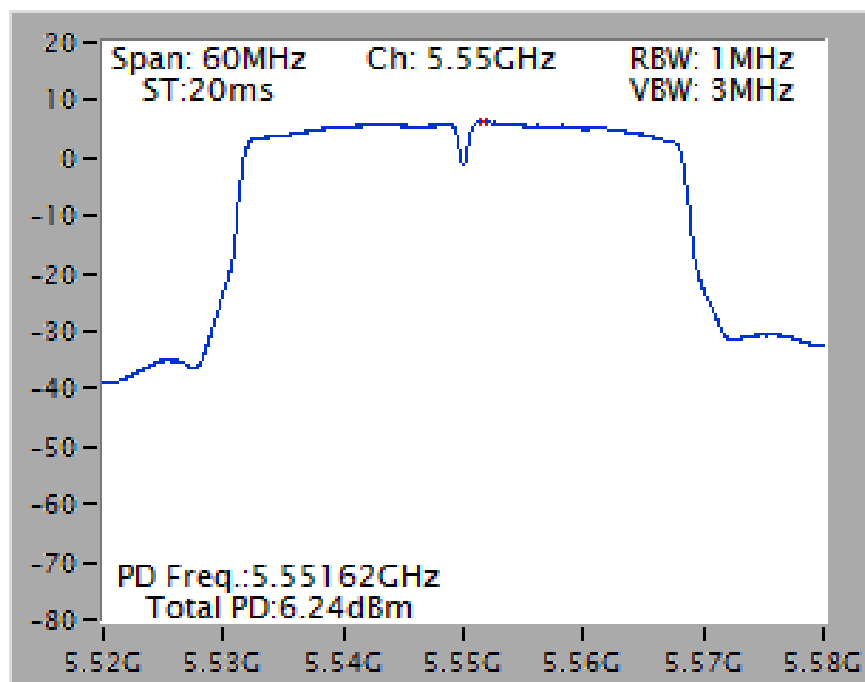
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5580 MHz



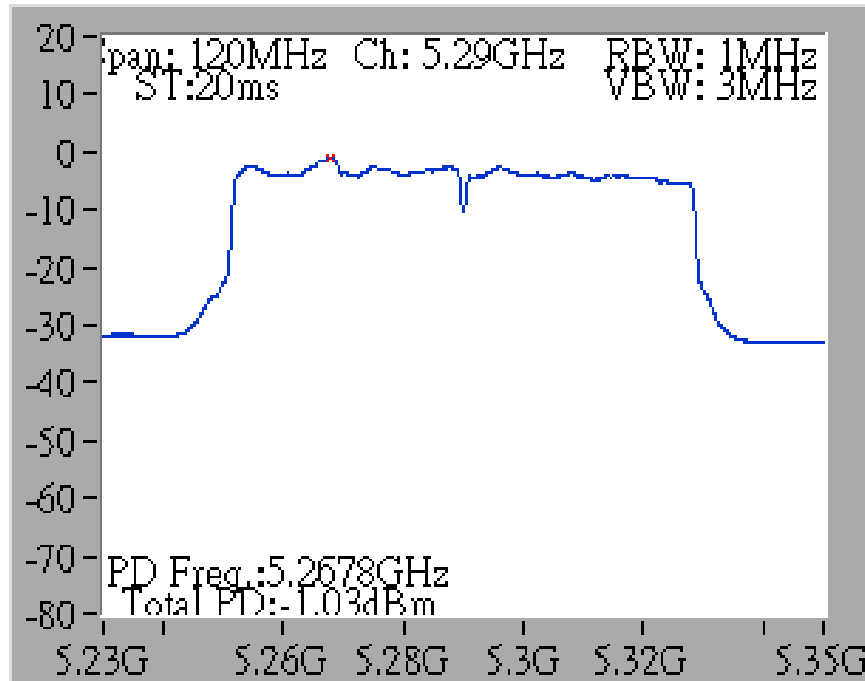
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5310 MHz



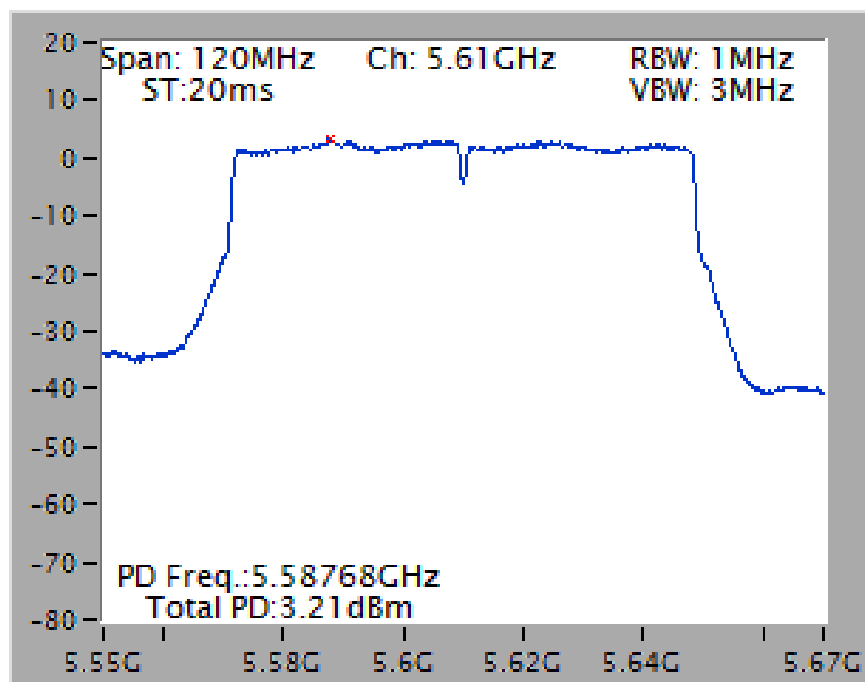
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5290 MHz

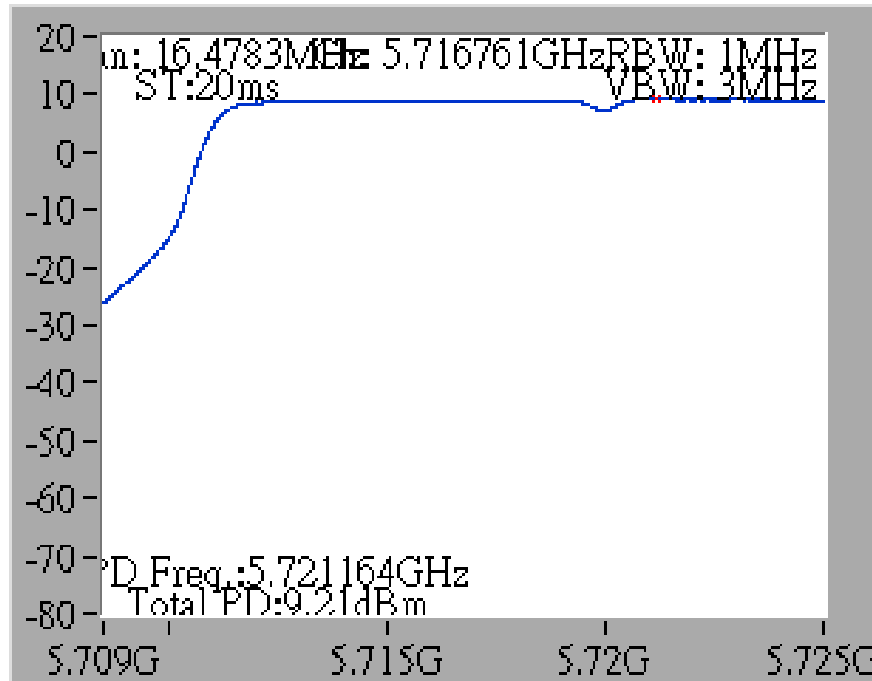


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

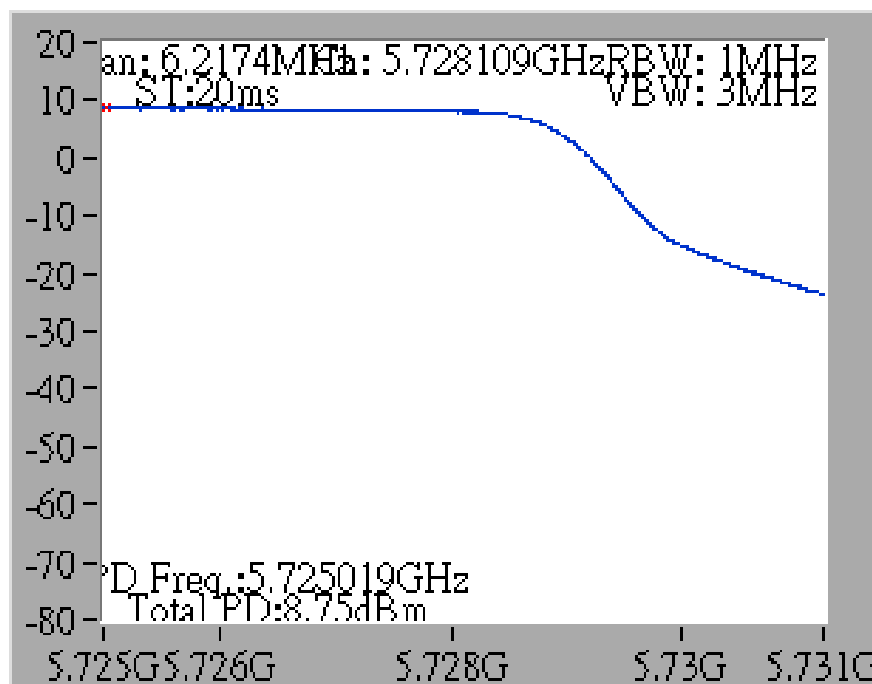


Straddle Channel

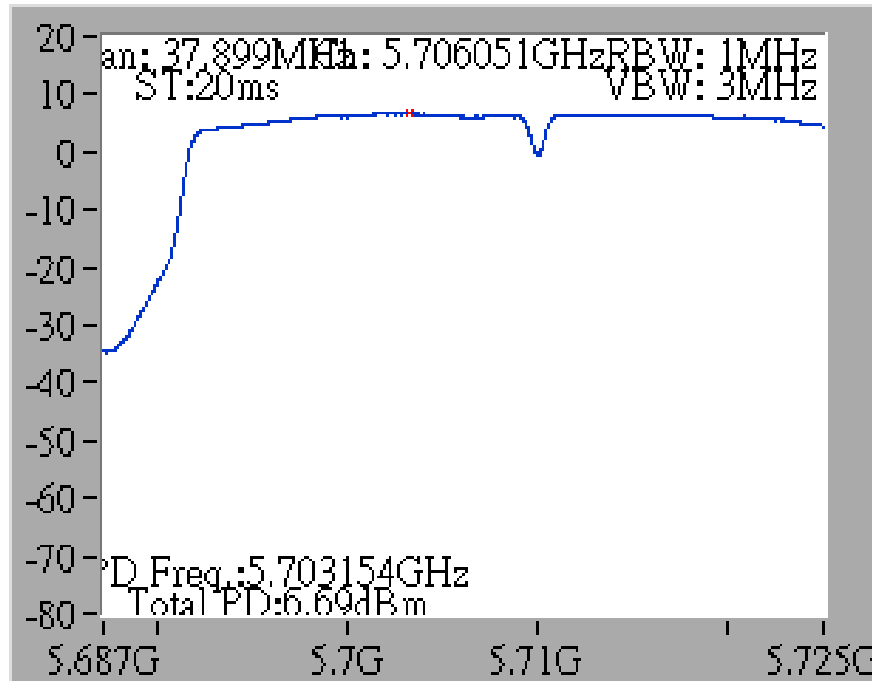
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



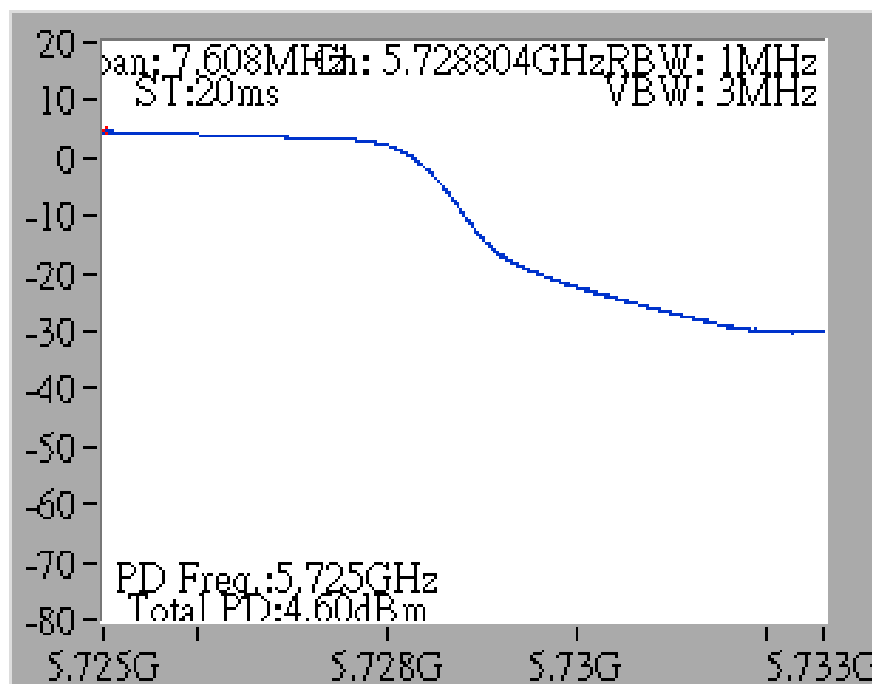
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



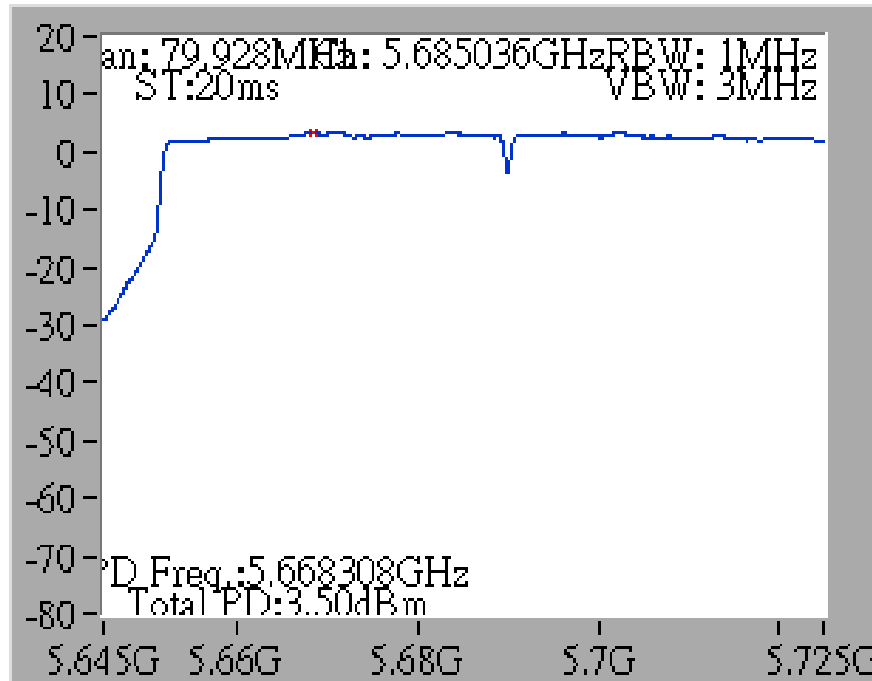
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



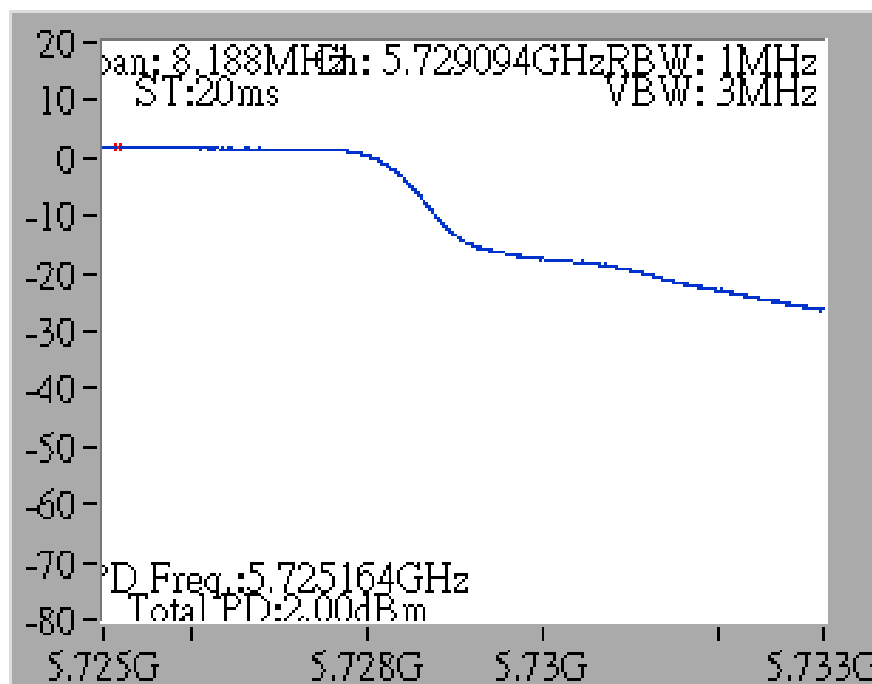
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

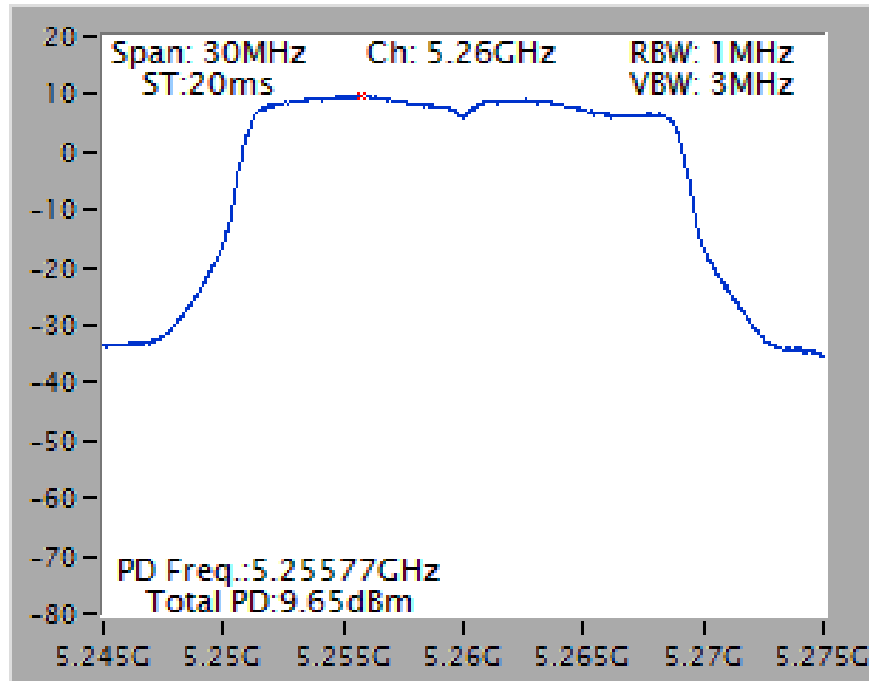


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

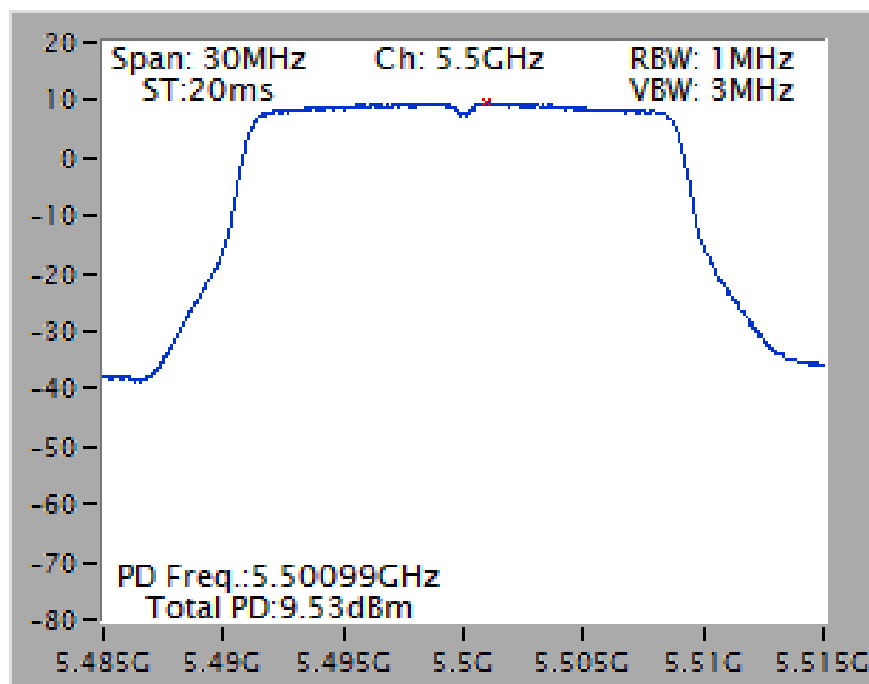


Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi

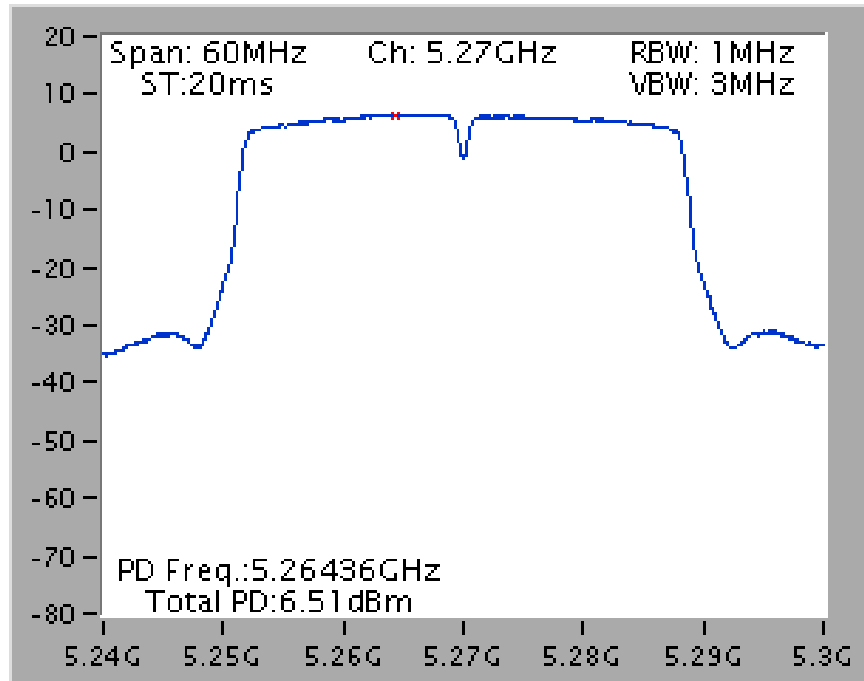
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



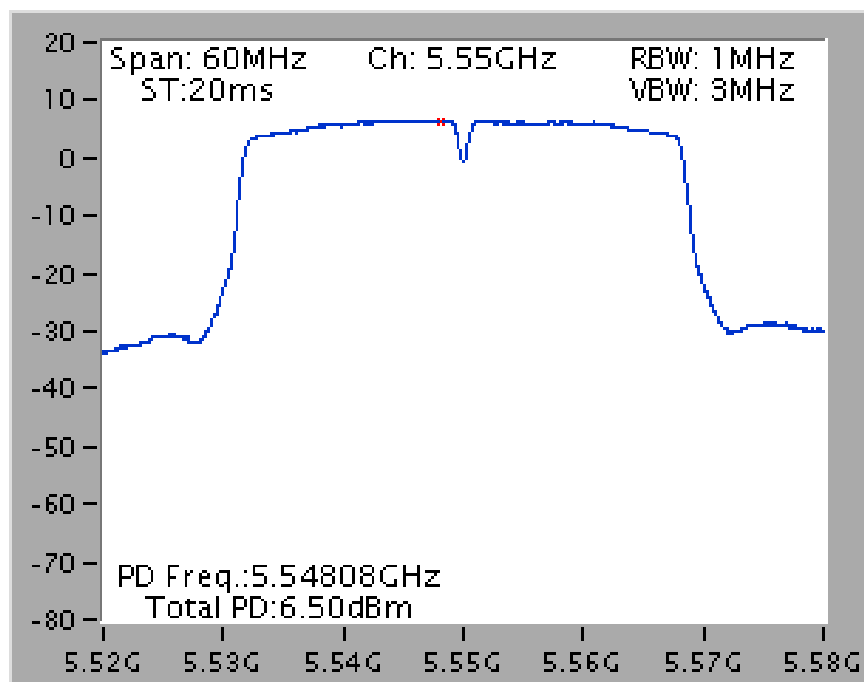
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5500 MHz



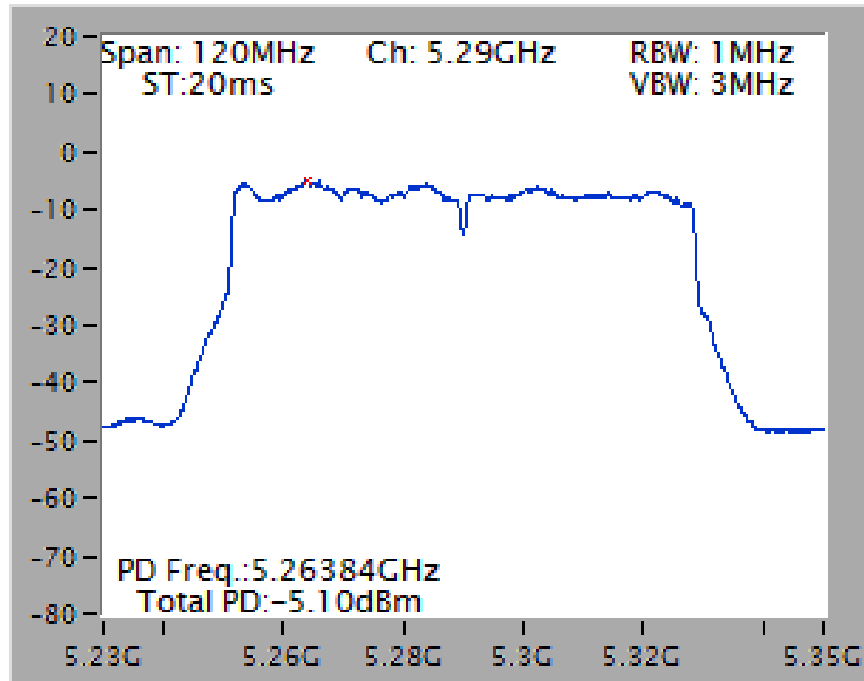
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



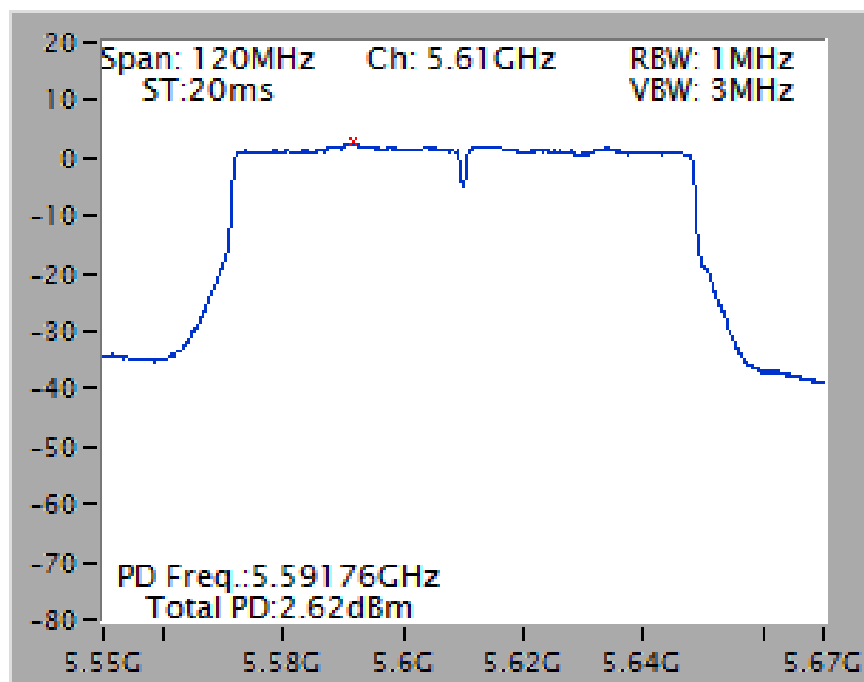
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5290 MHz

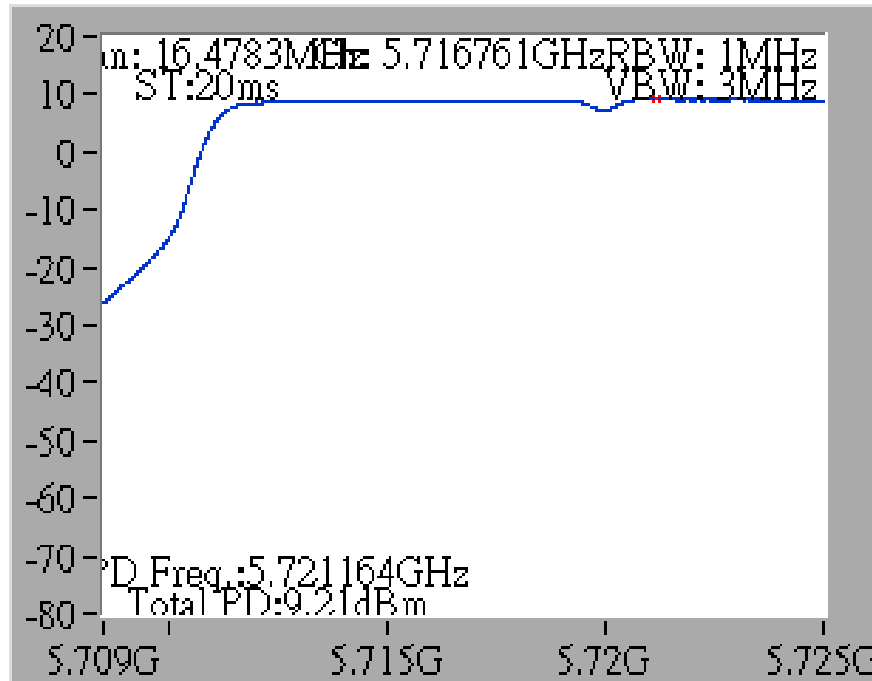


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

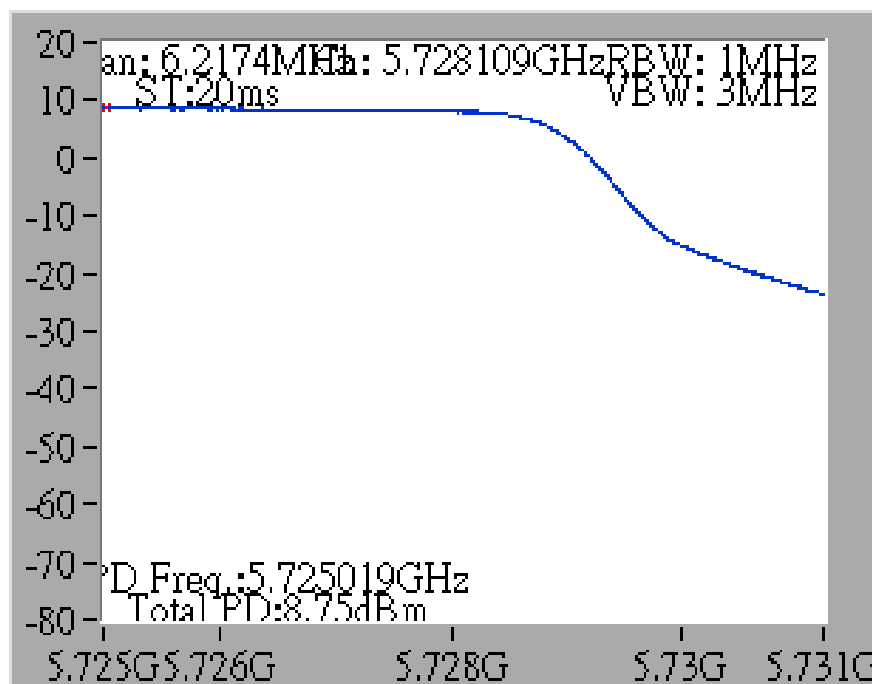


Straddle Channel

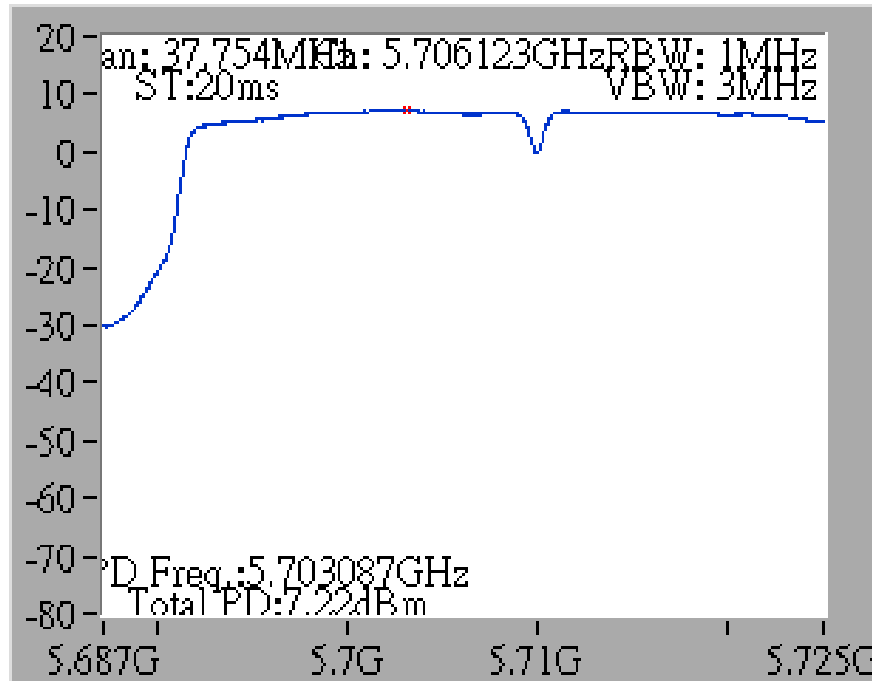
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



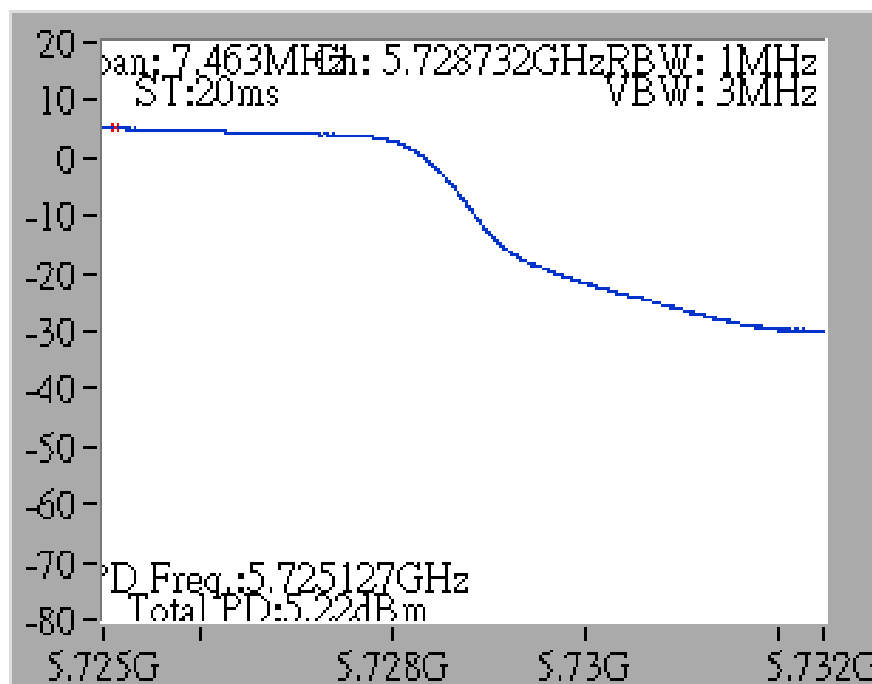
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



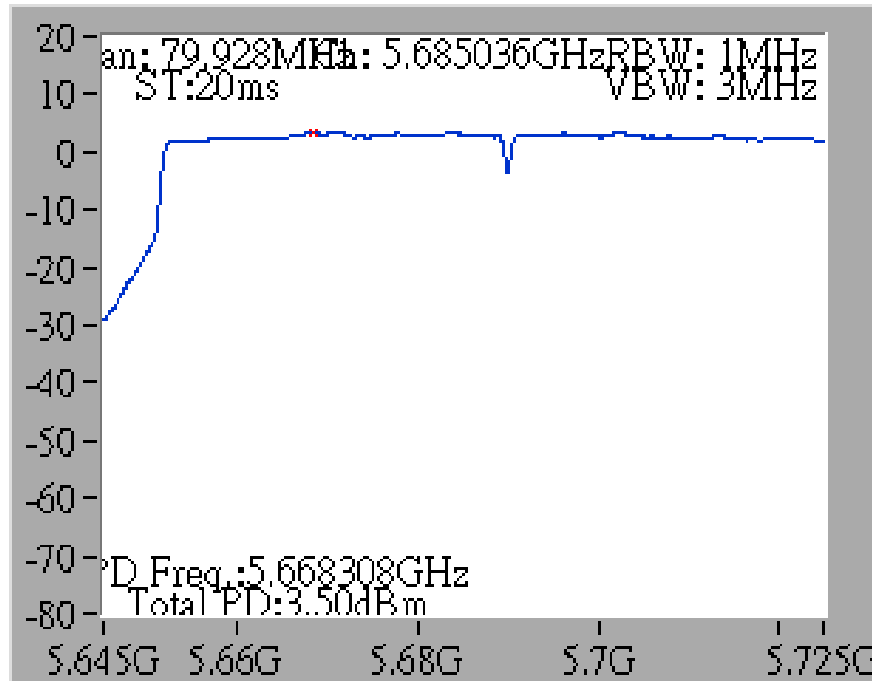
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



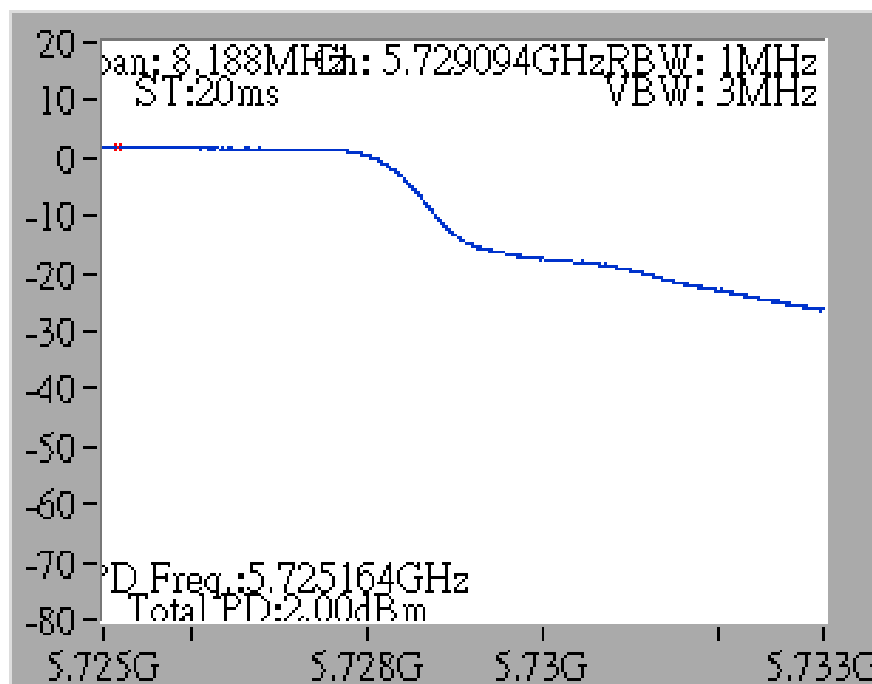
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

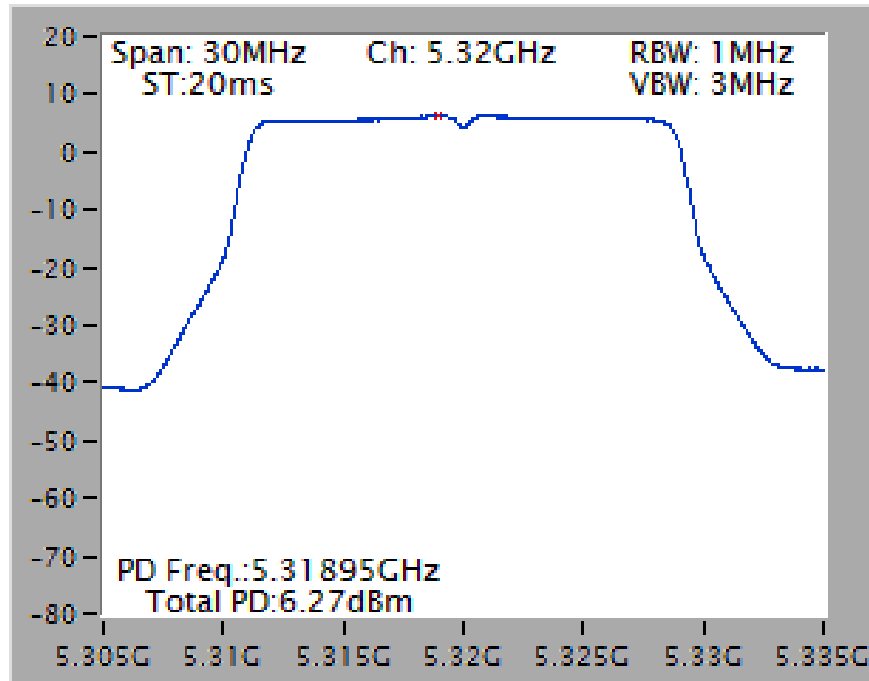


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

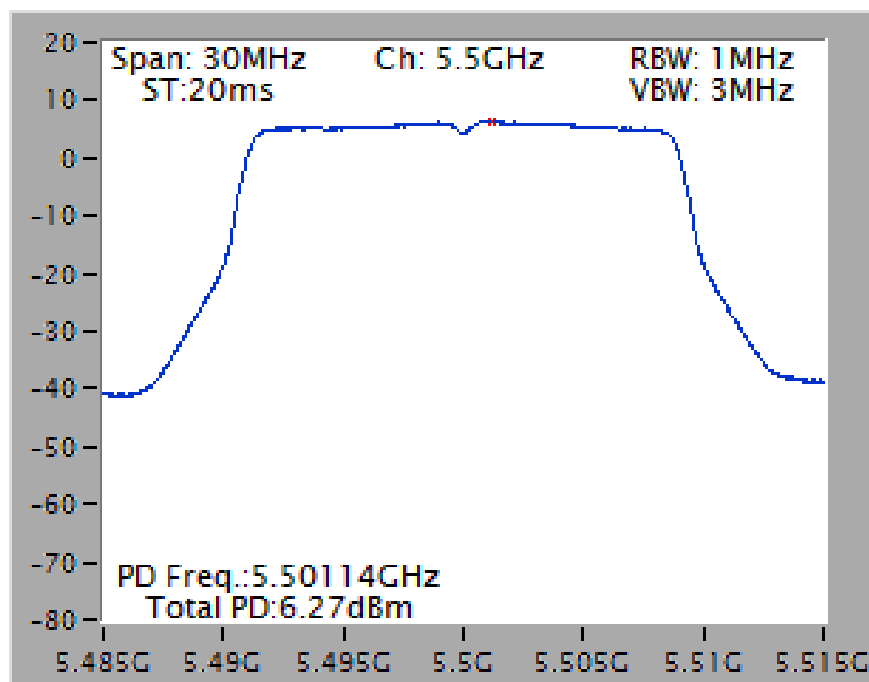


Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi

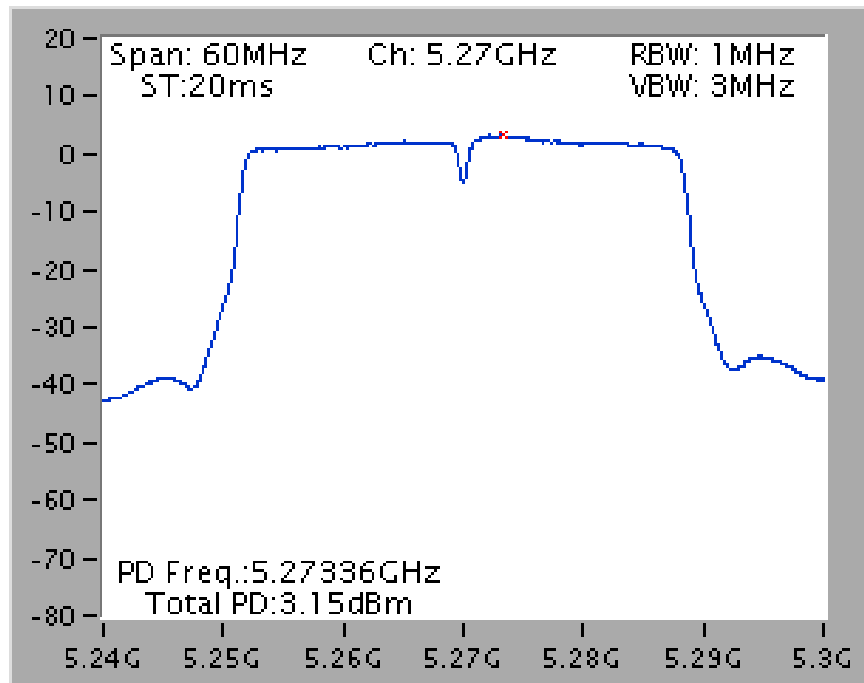
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5320 MHz



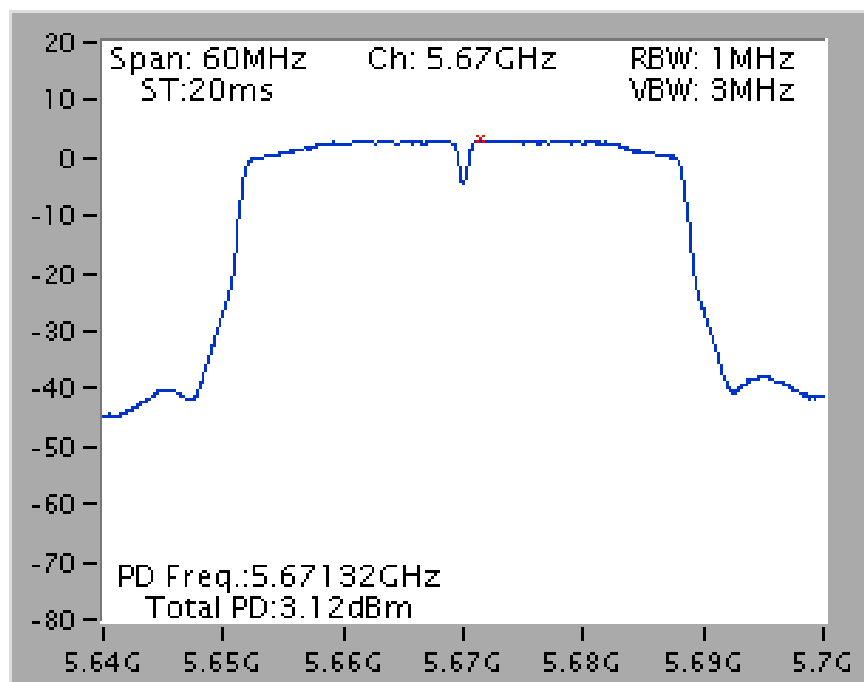
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5500 MHz



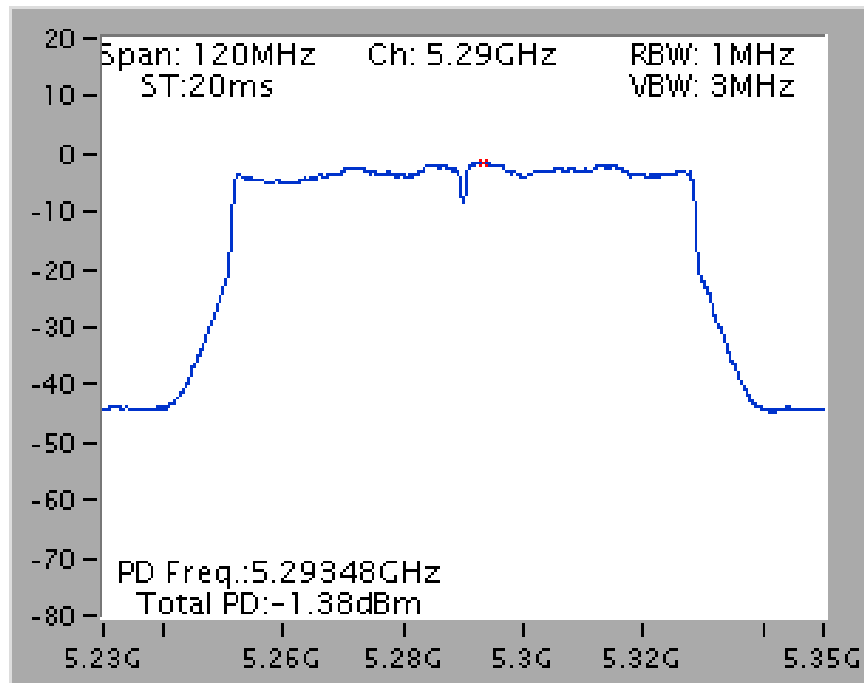
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



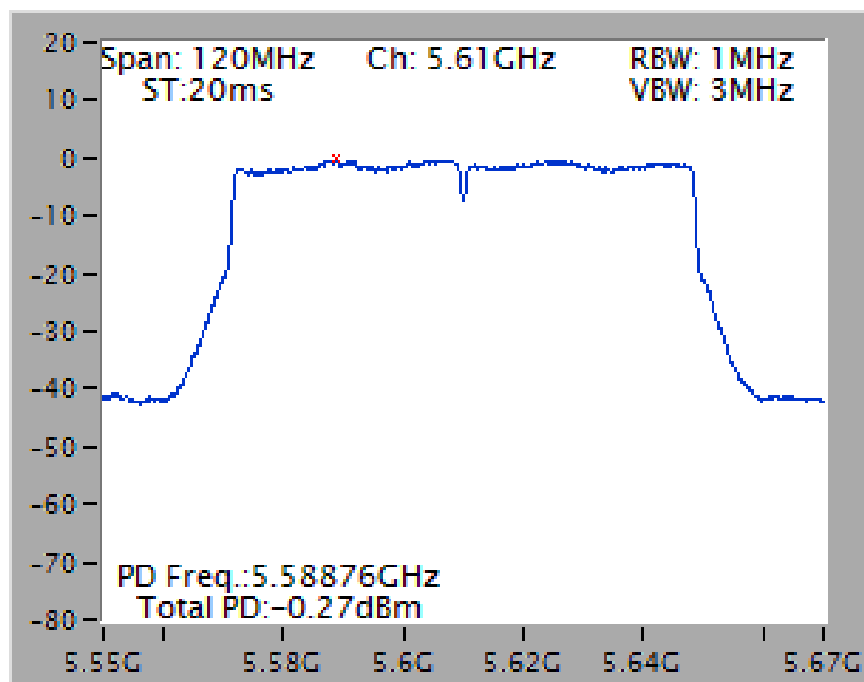
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5670 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5290 MHz

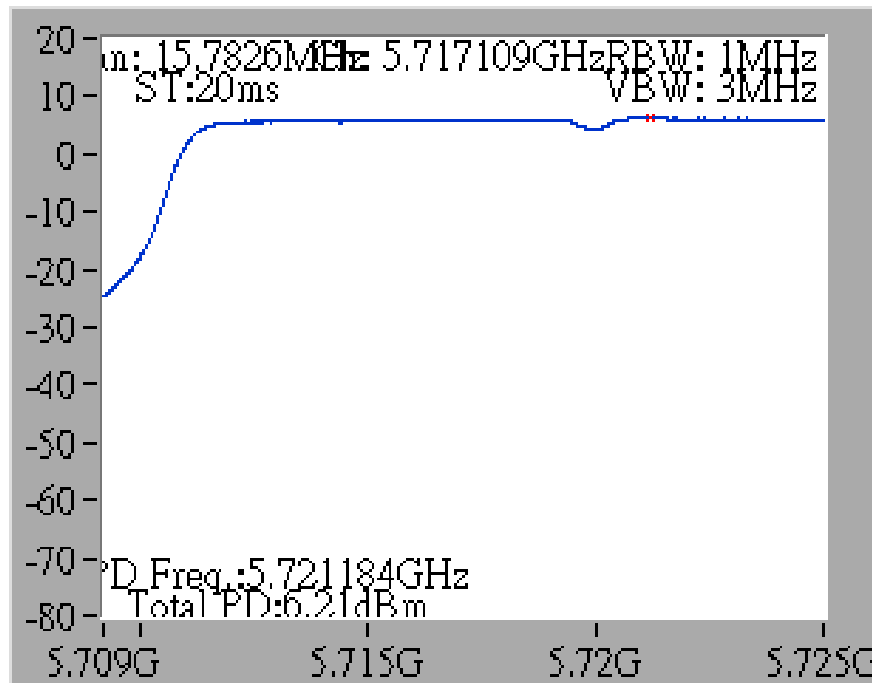


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

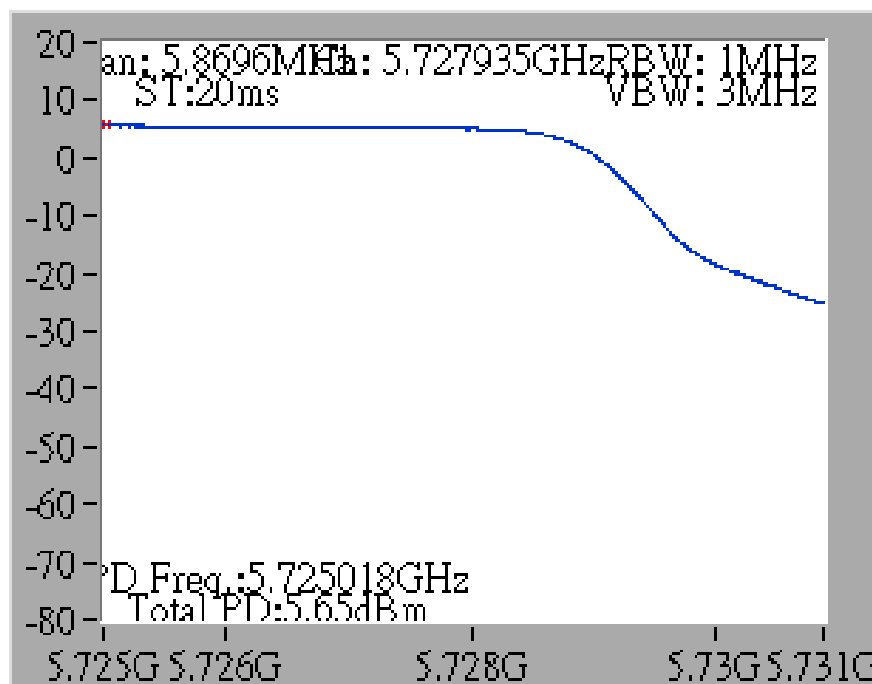


Straddle Channel

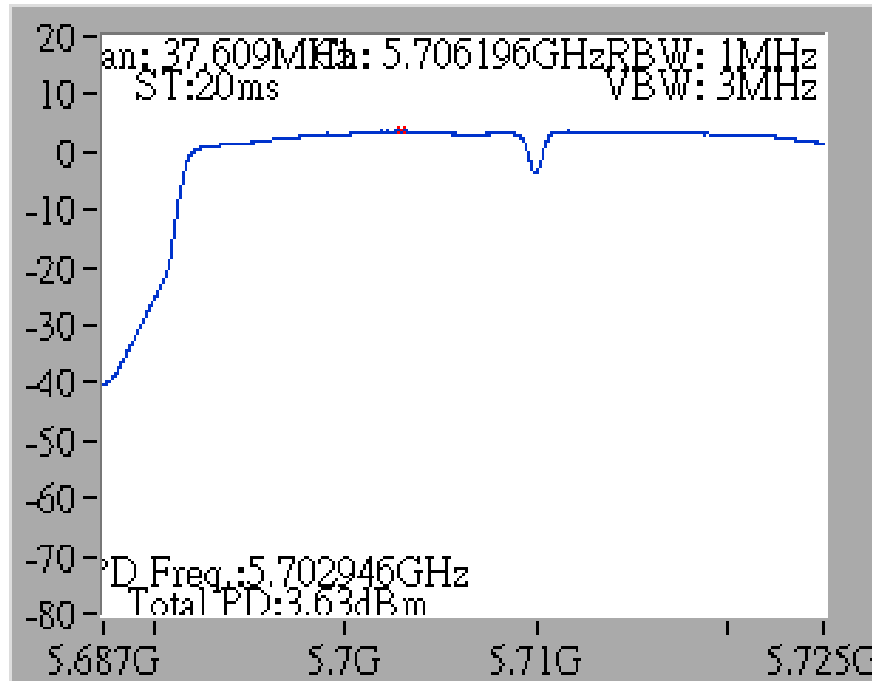
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



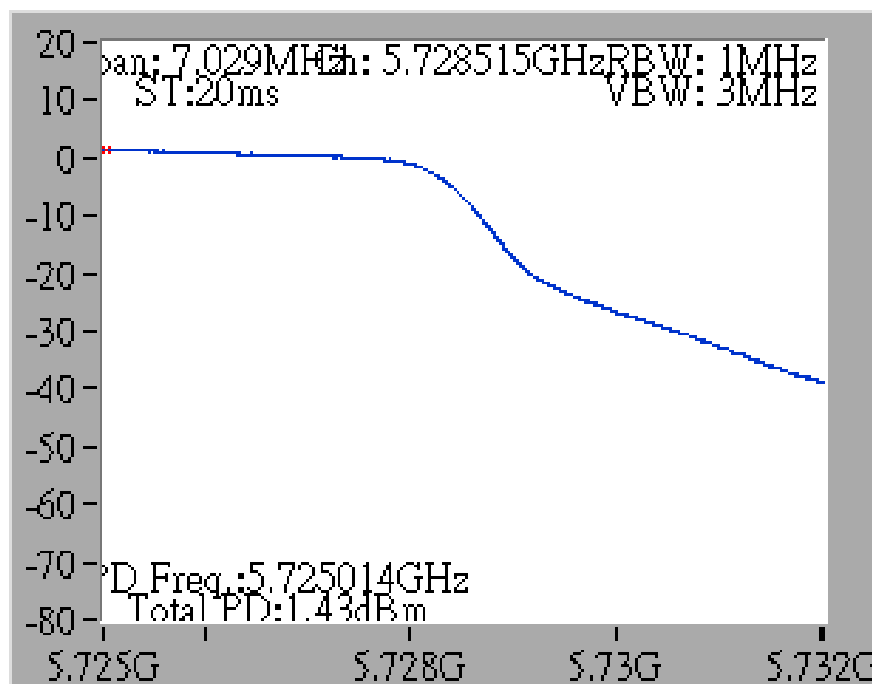
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



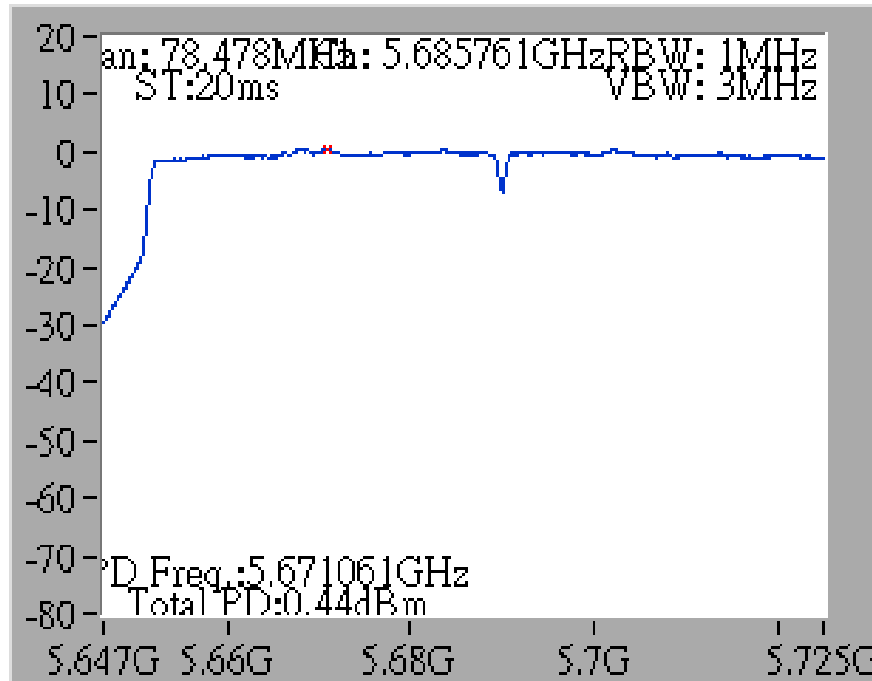
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



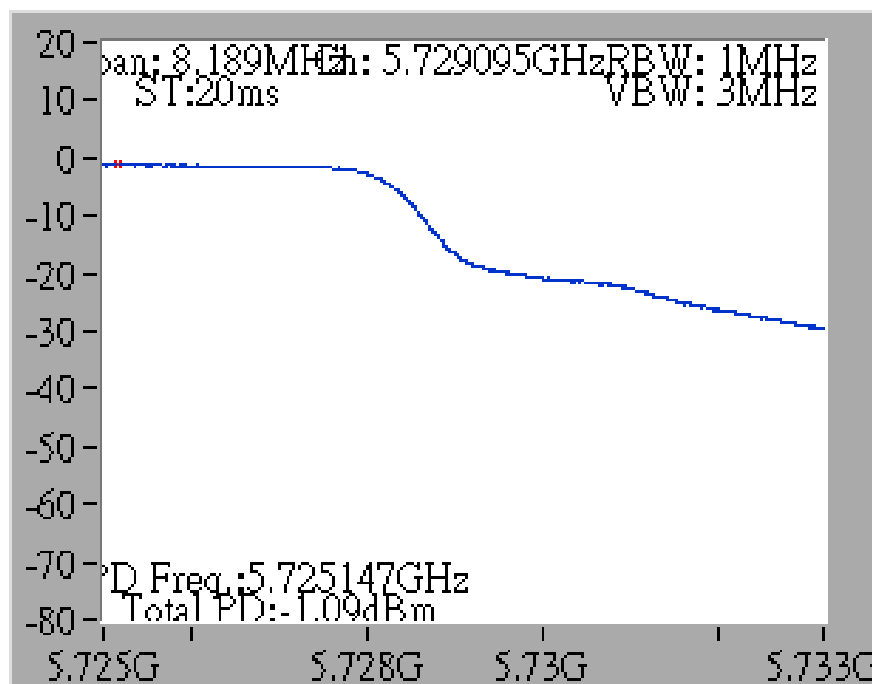
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

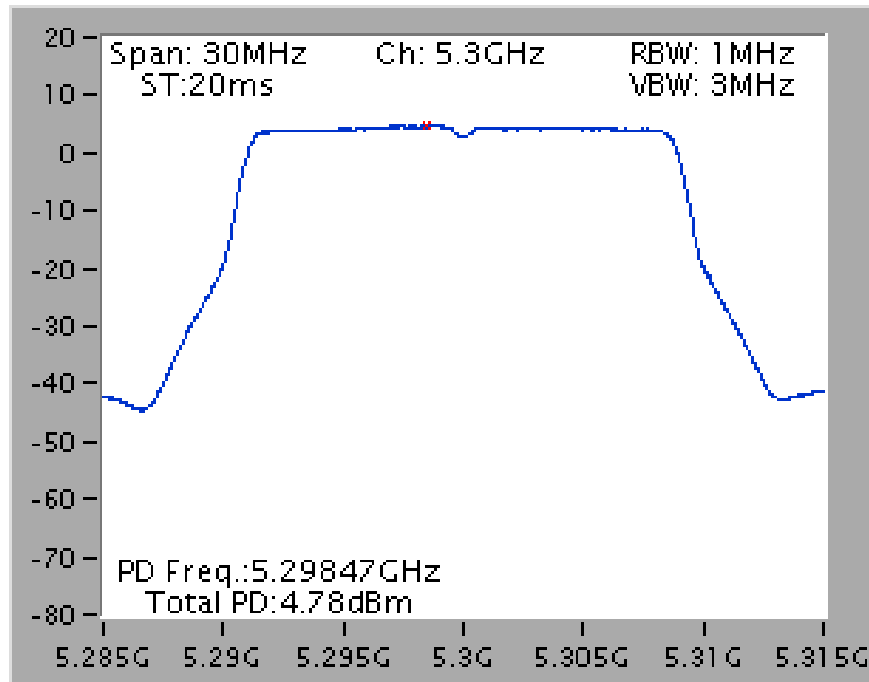


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

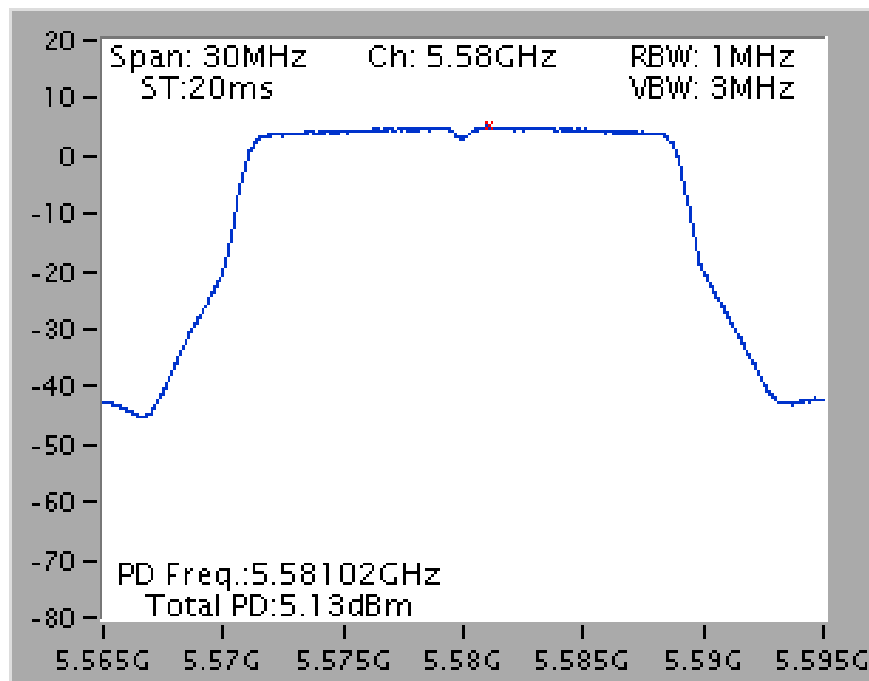


Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi

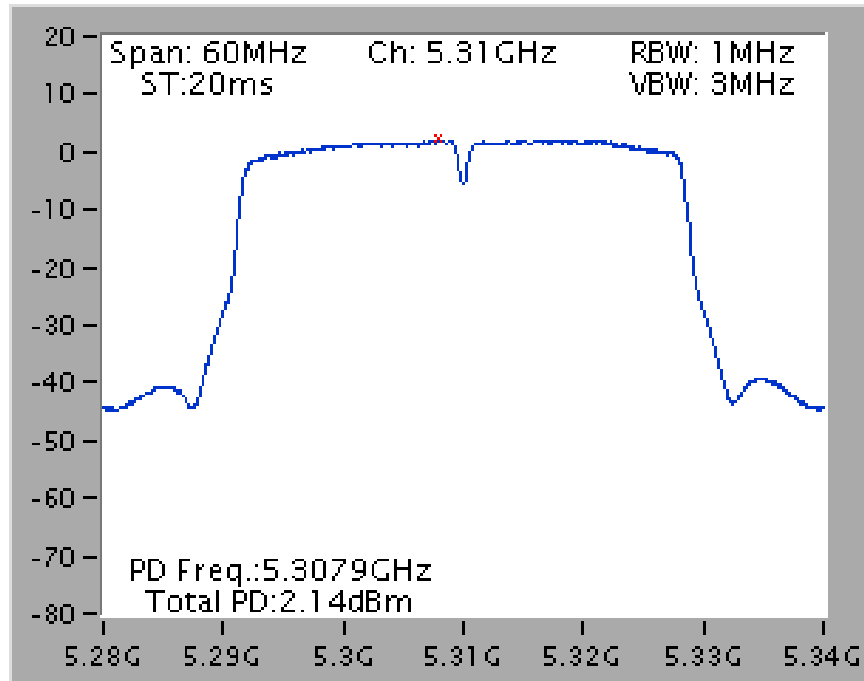
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5300 MHz



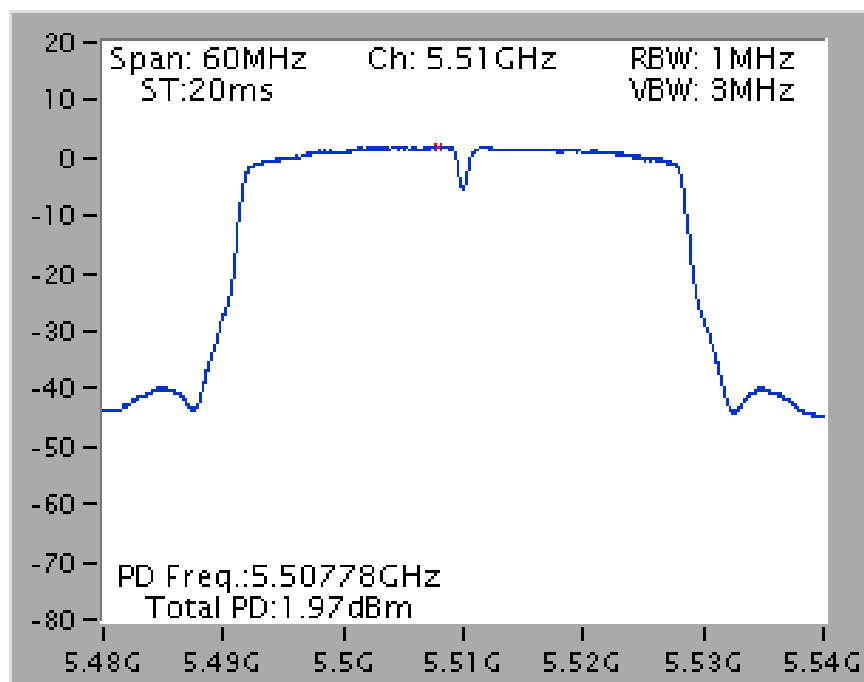
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5580 MHz



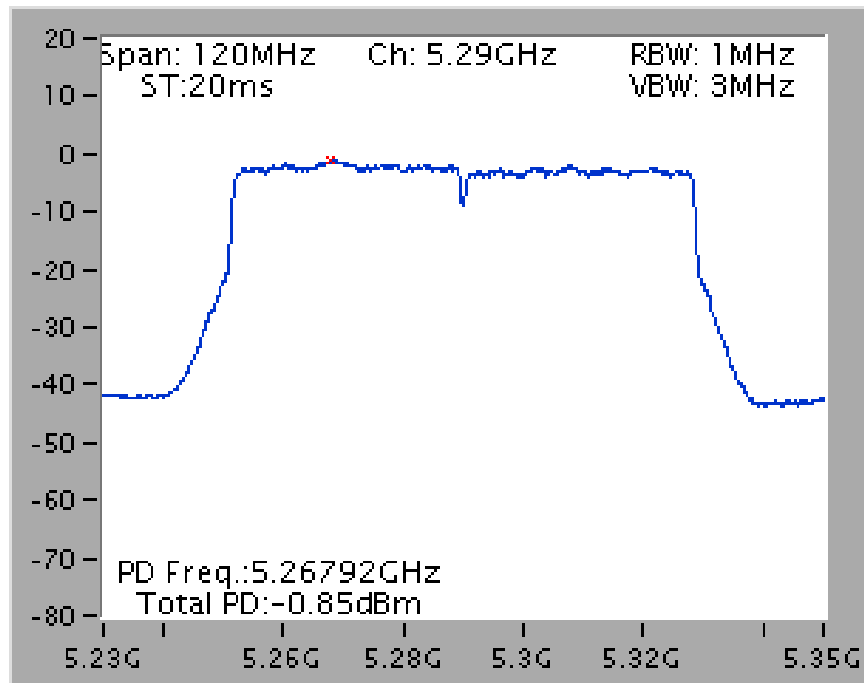
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5310 MHz



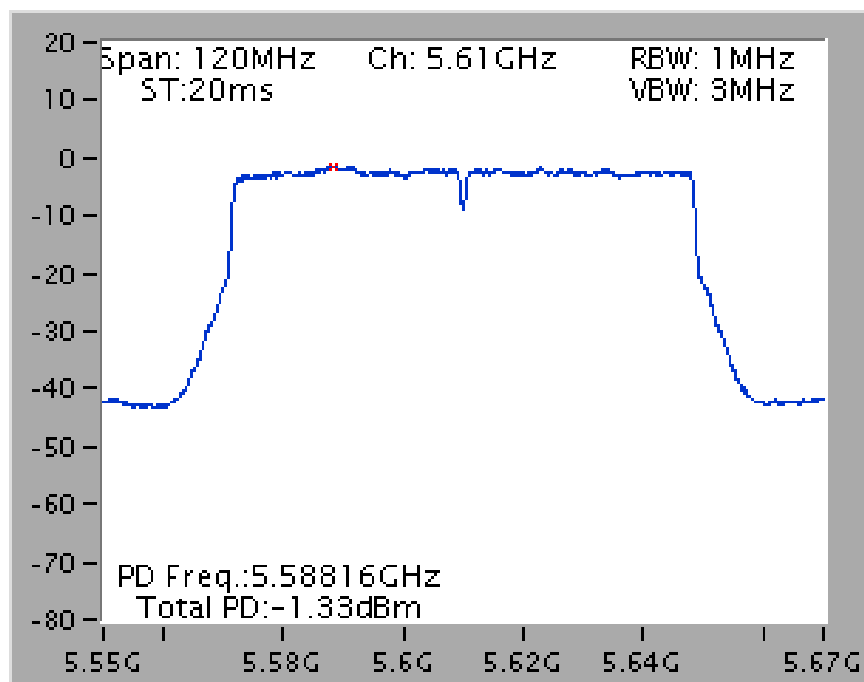
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5510 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5290 MHz

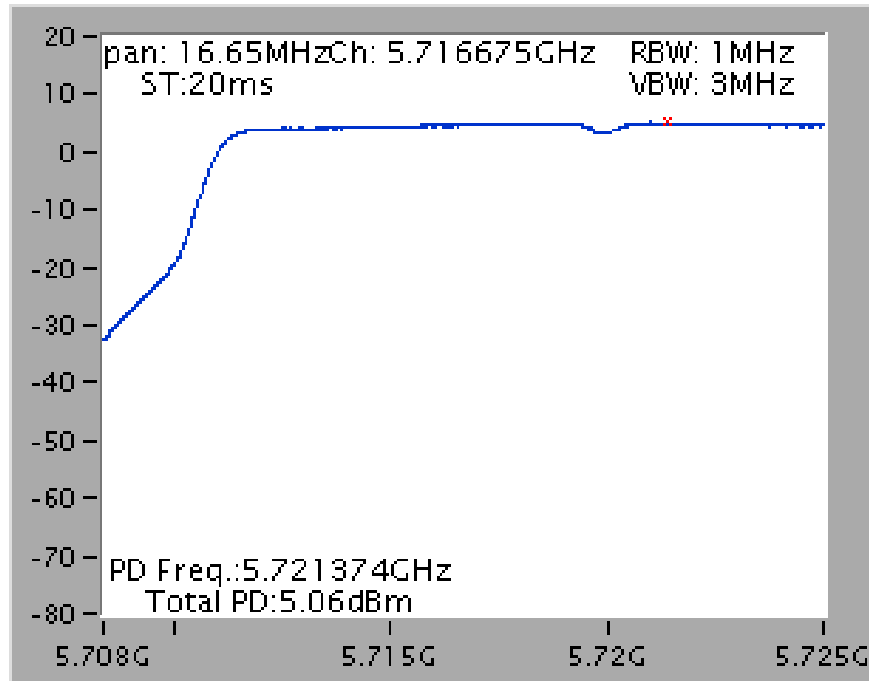


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

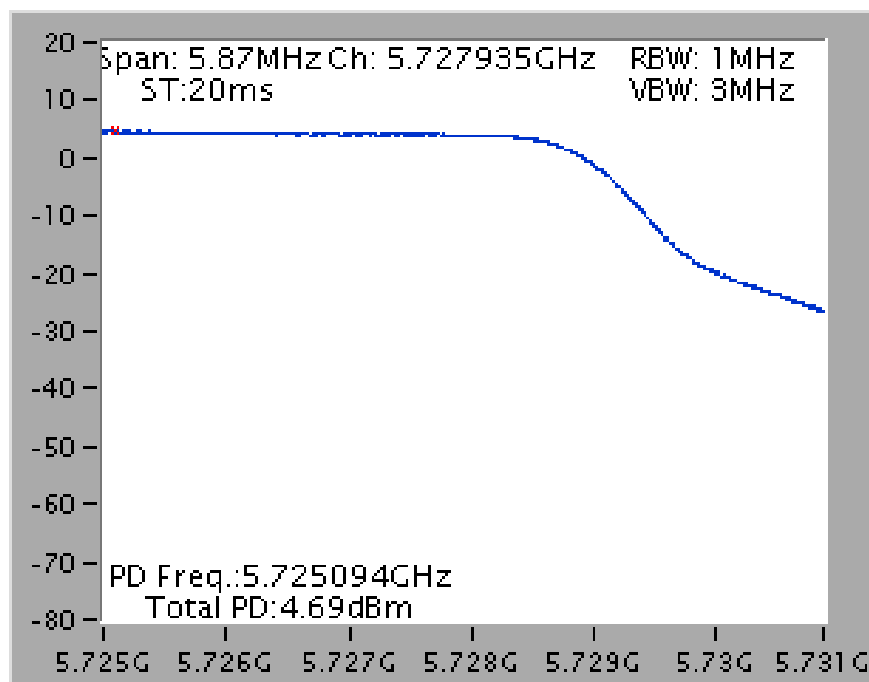


Straddle Channel

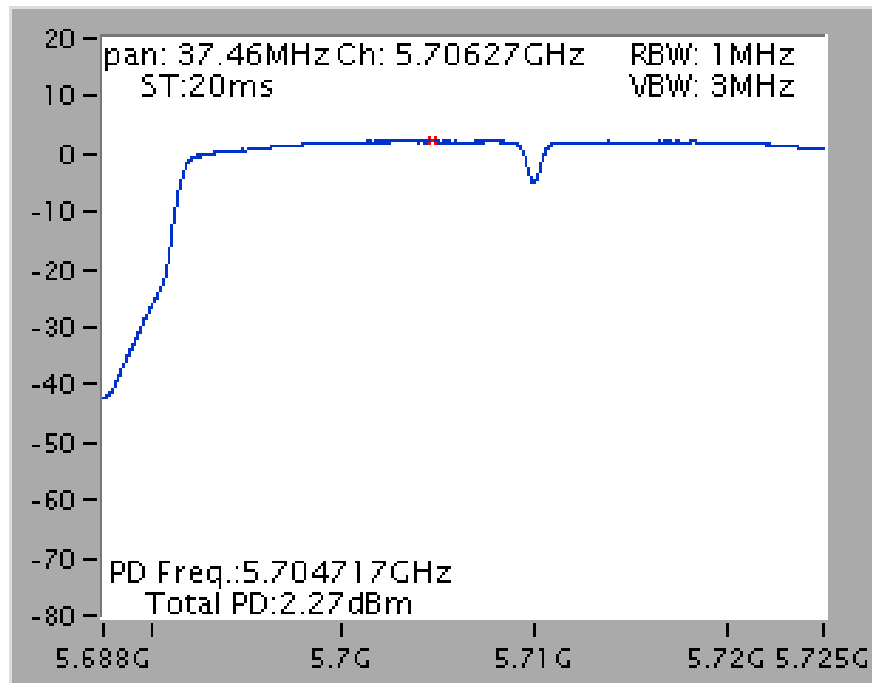
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



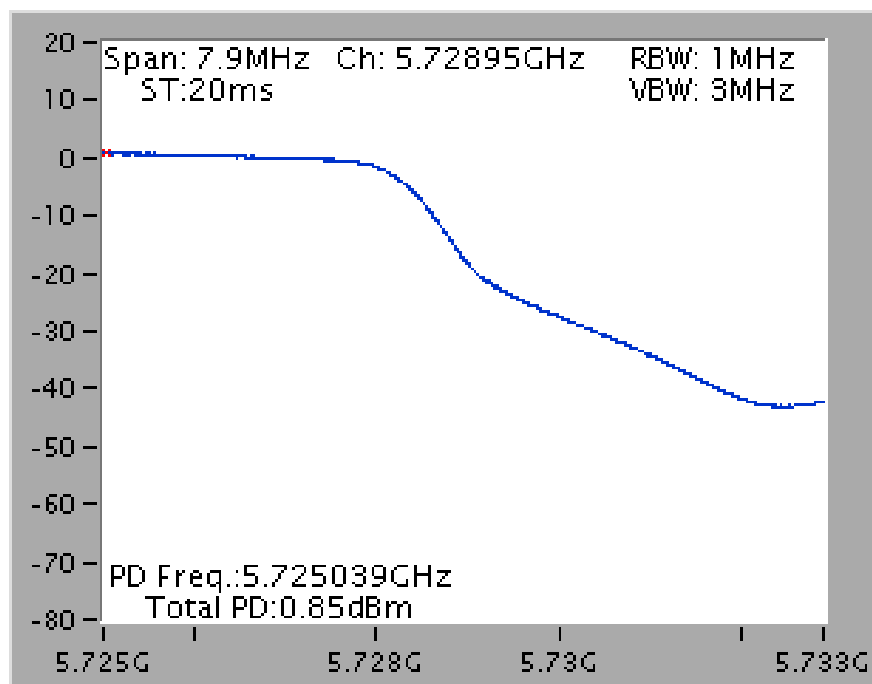
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



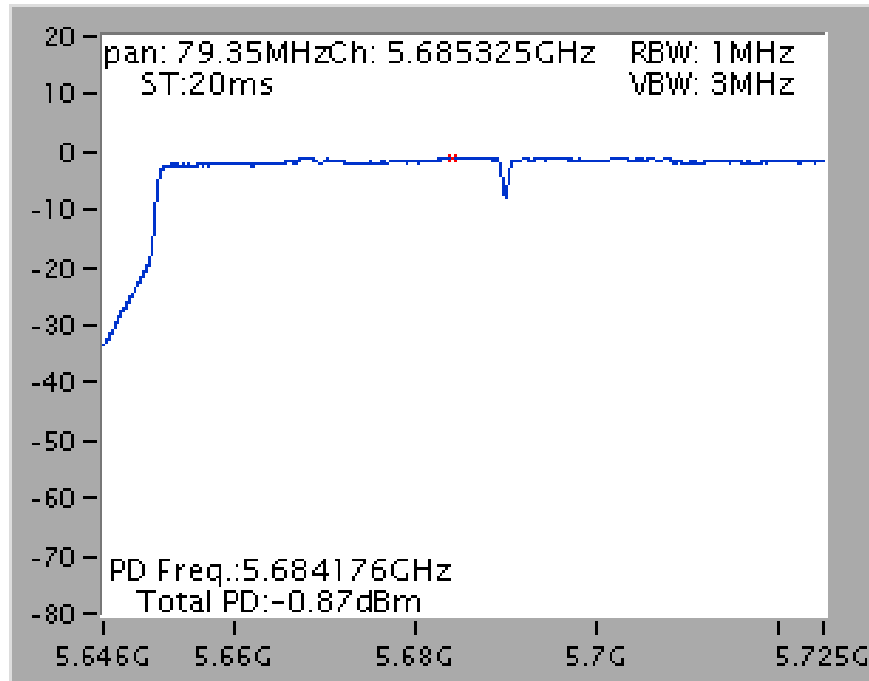
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



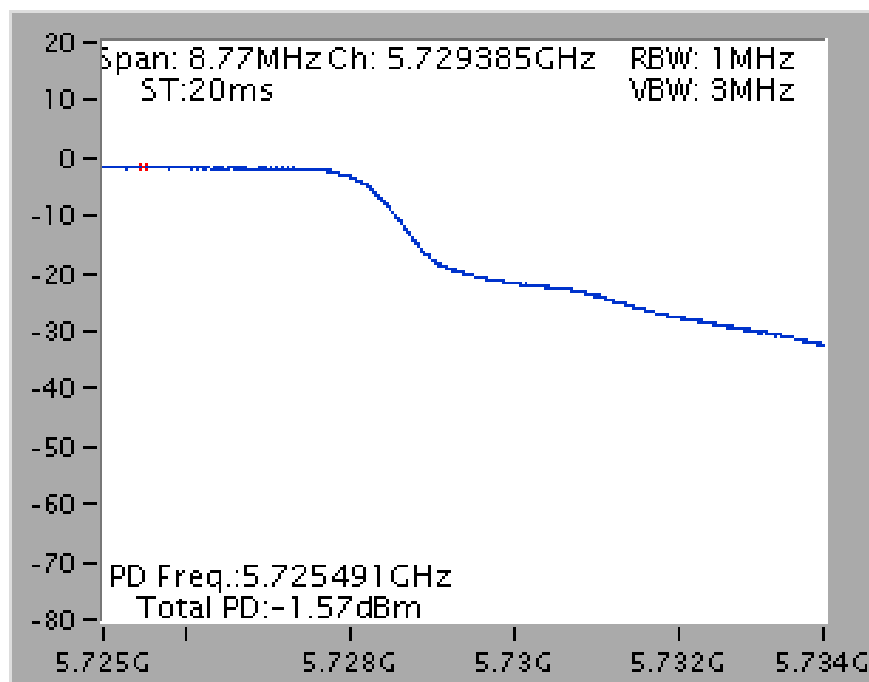
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)



4.5. Radiated Emissions Measurement

4.5.1. Limit

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

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

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

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

4.5.2. 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.

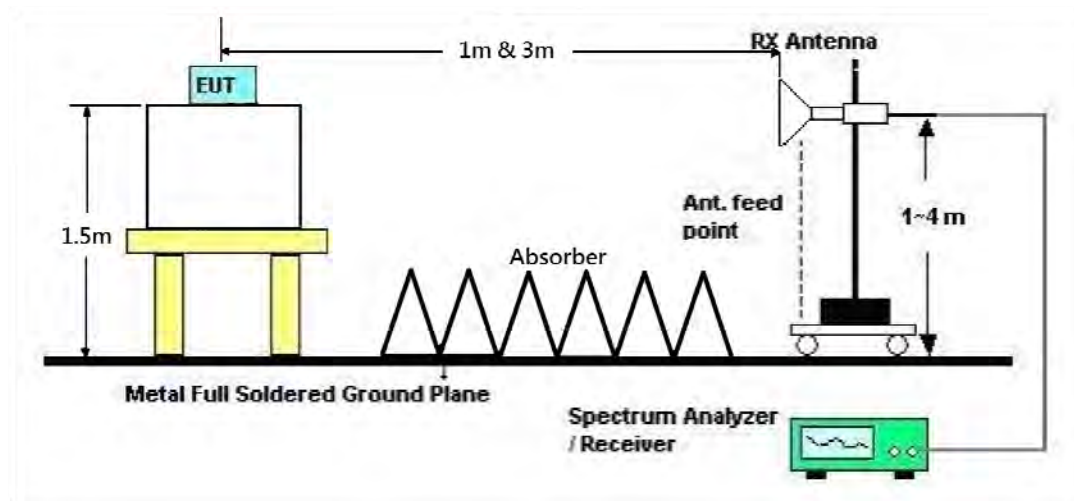
Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	40 GHz
RBW / VBW (Emission in restricted band)	1 MHz / 3MHz for Peak, 1 MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1 MHz / 3MHz for peak

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

4.5.3. 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	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15780.90	63.59	74.00	-10.41	43.28	16.51	37.76	33.96	150	351	Peak	HORIZONTAL
2	15780.90	50.87	54.00	-3.13	30.56	16.51	37.76	33.96	150	351	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15779.20	50.74	54.00	-3.26	30.43	16.51	37.76	33.96	150	336	Average	VERTICAL
2	15779.91	64.44	74.00	-9.56	44.13	16.51	37.76	33.96	150	336	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.31	59.71	74.00	-14.29	42.20	12.75	38.40	33.64	150	332	Peak	HORIZONTAL
2	10599.63	45.94	54.00	-8.06	28.43	12.75	38.40	33.64	150	332	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10599.44	46.03	54.00	-7.97	28.52	12.75	38.40	33.64	150	345	Average	VERTICAL
2	10599.56	59.12	74.00	-14.88	41.61	12.75	38.40	33.64	150	345	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.70	45.51	54.00	-8.49	27.90	12.80	38.40	33.59	150	299	Average	HORIZONTAL
2	10639.84	59.34	74.00	-14.66	41.73	12.80	38.40	33.59	150	299	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.41	45.65	54.00	-8.35	28.04	12.80	38.40	33.59	150	311	Average	VERTICAL
2	10640.39	59.51	74.00	-14.49	41.90	12.80	38.40	33.59	150	311	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.02	57.87	74.00	-16.13	39.41	13.44	38.40	33.38	150	258	Peak	HORIZONTAL
2	11000.21	44.92	54.00	-9.08	26.46	13.44	38.40	33.38	150	258	Average	HORIZONTAL

Vertical

J

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10999.19	58.03	74.00	-15.97	39.57	13.44	38.40	33.38	150	277	Peak	VERTICAL
2	10999.54	44.74	54.00	-9.26	26.28	13.44	38.40	33.38	150	277	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.17	45.70	54.00	-8.30	26.70	13.71	38.67	33.38	150	222	Average	HORIZONTAL
2	11160.46	58.97	74.00	-15.03	39.97	13.71	38.67	33.38	150	222	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11159.21	59.34	74.00	-14.66	40.34	13.71	38.67	33.38	150	239	Peak	VERTICAL
2	11159.59	45.59	54.00	-8.41	26.59	13.71	38.67	33.38	150	239	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11400.13	46.81	54.00	-7.19	27.06	14.08	39.04	33.37	150	168	Average	HORIZONTAL
2	11400.16	60.08	74.00	-13.92	40.33	14.08	39.04	33.37	150	168	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.49	46.89	54.00	-7.11	27.14	14.08	39.04	33.37	150	190	Average	VERTICAL
2	11399.82	60.43	74.00	-13.57	40.68	14.08	39.04	33.37	150	190	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15809.66	63.57	74.00	-10.43	43.30	16.54	37.69	33.96	150	119	Peak	HORIZONTAL
2	15810.05	50.52	54.00	-3.48	30.25	16.54	37.69	33.96	150	119	Average	HORIZONTAL

Vertical

J

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15809.22	50.49	54.00	-3.51	30.22	16.54	37.69	33.96	150	105	Average
2	15809.51	63.13	74.00	-10.87	42.86	16.54	37.69	33.96	150	105	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.16	45.50	54.00	-8.50	27.97	12.75	38.40	33.62	150	153	Average	HORIZONTAL
2	10620.77	58.92	74.00	-15.08	41.39	12.75	38.40	33.62	150	153	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.22	45.51	54.00	-8.49	27.98	12.75	38.40	33.62	150	134	Average	VERTICAL
2	10620.72	58.89	74.00	-15.11	41.36	12.75	38.40	33.62	150	134	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11019.32	44.52	54.00	-9.48	26.06	13.44	38.40	33.38	150	199	Average	HORIZONTAL
2	11019.60	58.65	74.00	-15.35	40.19	13.44	38.40	33.38	150	199	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11019.22	57.92	74.00	-16.08	39.46	13.44	38.40	33.38	150	172	Peak	VERTICAL
2	11019.29	44.64	54.00	-9.36	26.18	13.44	38.40	33.38	150	172	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11100.00	45.08	54.00	-8.92	26.30	13.60	38.56	33.38	150	230	Average	HORIZONTAL
2	11100.00	58.32	74.00	-15.68	39.54	13.60	38.56	33.38	150	230	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11100.00	58.56	74.00	-15.44	39.78	13.60	38.56	33.38	150	211	Peak	VERTICAL
2	11100.00	45.26	54.00	-8.74	26.48	13.60	38.56	33.38	150	211	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11340.00	60.49	74.00	-13.51	40.96	13.97	38.93	33.37	150	277	Peak	HORIZONTAL
2	11340.00	46.63	54.00	-7.37	27.10	13.97	38.93	33.37	150	277	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11340.00	59.64	74.00	-14.36	40.11	13.97	38.93	33.37	150	256	Peak	VERTICAL
2	11340.00	46.70	54.00	-7.30	27.17	13.97	38.93	33.37	150	256	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15870.00	64.06	74.00	-9.94	43.93	16.57	37.62	34.06	150	209	Peak	HORIZONTAL
2	15870.00	50.58	54.00	-3.42	30.45	16.57	37.62	34.06	150	209	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15870.00	64.20	74.00	-9.80	44.07	16.57	37.62	34.06	150	221	Peak	VERTICAL
2	15870.00	50.64	54.00	-3.36	30.51	16.57	37.62	34.06	150	221	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11060.00	44.63	54.00	-9.37	26.07	13.49	38.45	33.38	150	156	Average	HORIZONTAL
2	11060.00	58.16	74.00	-15.84	39.60	13.49	38.45	33.38	150	156	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11060.00	57.99	74.00	-16.01	39.43	13.49	38.45	33.38	150	179	Peak	VERTICAL
2	11060.00	44.68	54.00	-9.32	26.12	13.49	38.45	33.38	150	179	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.00	59.79	74.00	-14.21	40.69	13.76	38.72	33.38	150	121	Peak	HORIZONTAL
2	11220.00	46.79	54.00	-7.21	27.69	13.76	38.72	33.38	150	121	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.00	60.14	74.00	-13.86	41.04	13.76	38.72	33.38	150	143	Peak	VERTICAL
2	11220.00	46.77	54.00	-7.23	27.67	13.76	38.72	33.38	150	143	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.48	60.08	74.00	-13.92	40.23	14.13	39.09	33.37	150	133	Peak	HORIZONTAL
2	11440.09	46.31	54.00	-7.69	26.46	14.13	39.09	33.37	150	133	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.49	46.42	54.00	-7.58	26.57	14.13	39.09	33.37	150	146	Average	VERTICAL
2	11440.24	59.11	74.00	-14.89	39.26	14.13	39.09	33.37	150	146	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11420.00	59.55	74.00	-14.45	39.70	14.13	39.09	33.37	150	314	Peak	HORIZONTAL
2	11420.00	46.52	54.00	-7.48	26.67	14.13	39.09	33.37	150	314	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11420.00	59.52	74.00	-14.48	39.67	14.13	39.09	33.37	150	295	Peak	VERTICAL
2	11420.00	46.39	54.00	-7.61	26.54	14.13	39.09	33.37	150	295	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 Ceiling Mount Omni Antenna / 7 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.00	60.01	74.00	-13.99	40.36	14.03	38.99	33.37	150	84	Peak	HORIZONTAL
2	11380.00	46.74	54.00	-7.26	27.09	14.03	38.99	33.37	150	84	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.00	60.47	74.00	-13.53	40.82	14.03	38.99	33.37	150	110	Peak	VERTICAL
2	11380.00	46.94	54.00	-7.06	27.29	14.03	38.99	33.37	150	110	Average	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15777.69	51.16	54.00	-2.84	30.85	16.51	37.76	33.96	235	123	Average	HORIZONTAL
2	15781.42	64.15	74.00	-9.85	43.84	16.51	37.76	33.96	235	123	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15776.57	63.59	74.00	-10.41	43.28	16.51	37.76	33.96	242	134	Peak	VERTICAL
2	15777.52	51.14	54.00	-2.86	30.83	16.51	37.76	33.96	242	134	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.54	58.97	74.00	-15.03	41.46	12.75	38.40	33.64	218	115	Peak	HORIZONTAL
2	10607.05	46.50	54.00	-7.50	28.97	12.75	38.40	33.62	219	115	Average	HORIZONTAL
3	15897.94	64.45	74.00	-9.55	44.36	16.60	37.55	34.06	196	92	Peak	HORIZONTAL
4	15904.30	51.41	54.00	-2.59	31.32	16.60	37.55	34.06	196	92	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.33	46.34	54.00	-7.66	28.83	12.75	38.40	33.64	172	84	Average	VERTICAL
2	10600.72	59.62	74.00	-14.38	42.11	12.75	38.40	33.64	172	84	Peak	VERTICAL
3	15896.74	51.20	54.00	-2.80	31.11	16.60	37.55	34.06	188	97	Average	VERTICAL
4	15899.92	63.99	74.00	-10.01	43.90	16.60	37.55	34.06	188	97	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10635.48	45.83	54.00	-8.17	28.25	12.80	38.40	33.62	207	124	Average	HORIZONTAL
2	10639.07	58.35	74.00	-15.65	40.74	12.80	38.40	33.59	207	124	Peak	HORIZONTAL
3	15960.47	64.37	74.00	-9.63	44.37	16.63	37.47	34.10	194	113	Peak	HORIZONTAL
4	15962.76	51.62	54.00	-2.38	31.62	16.63	37.47	34.10	194	113	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10635.25	46.14	54.00	-7.86	28.56	12.80	38.40	33.62	202	96	Average	VERTICAL
2	10637.79	59.24	74.00	-14.76	41.66	12.80	38.40	33.62	202	96	Peak	VERTICAL
3	15957.18	64.65	74.00	-9.35	44.65	16.63	37.47	34.10	189	105	Peak	VERTICAL
4	15962.93	51.52	54.00	-2.48	31.52	16.63	37.47	34.10	189	105	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10995.10	44.98	54.00	-9.02	26.57	13.39	38.40	33.38	222	119	Average	HORIZONTAL
2	10996.86	58.21	74.00	-15.79	39.75	13.44	38.40	33.38	222	119	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11004.22	58.11	74.00	-15.89	39.65	13.44	38.40	33.38	217	122	Peak	VERTICAL
2	11004.73	45.27	54.00	-8.73	26.81	13.44	38.40	33.38	217	122	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11160.40	46.62	54.00	-7.38	27.62	13.71	38.67	33.38	213	136	Average	HORIZONTAL
2	11160.78	59.45	74.00	-14.55	40.45	13.71	38.67	33.38	213	136	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11155.00	46.70	54.00	-7.30	27.82	13.65	38.61	33.38	226	115	Average	VERTICAL
2	11159.96	59.73	74.00	-14.27	40.73	13.71	38.67	33.38	226	115	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11394.91	59.98	74.00	-14.02	40.23	14.08	39.04	33.37	192	121	Peak	HORIZONTAL
2	11400.13	47.14	54.00	-6.86	27.39	14.08	39.04	33.37	192	121	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11395.93	59.63	74.00	-14.37	39.88	14.08	39.04	33.37	206	139	Peak	VERTICAL
2	11400.30	47.12	54.00	-6.88	27.37	14.08	39.04	33.37	206	139	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15812.23	63.26	74.00	-10.74	42.99	16.54	37.69	33.96	166	117	Peak	HORIZONTAL
2	15813.39	50.83	54.00	-3.17	30.56	16.54	37.69	33.96	166	117	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15807.35	63.59	74.00	-10.41	43.32	16.54	37.69	33.96	174	114	Peak	VERTICAL
2	15809.41	50.65	54.00	-3.35	30.38	16.54	37.69	33.96	174	114	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10614.72	46.10	54.00	-7.90	28.57	12.75	38.40	33.62	189	144	Average	HORIZONTAL
2	10615.44	62.84	74.00	-11.16	45.31	12.75	38.40	33.62	189	144	Peak	HORIZONTAL
3	15926.57	65.13	74.00	-8.87	45.13	16.63	37.47	34.10	179	147	Peak	HORIZONTAL
4	15931.67	51.62	54.00	-2.38	31.62	16.63	37.47	34.10	179	147	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10616.74	45.82	54.00	-8.18	28.29	12.75	38.40	33.62	173	149	Average	VERTICAL
2	10620.28	59.14	74.00	-14.86	41.61	12.75	38.40	33.62	173	149	Peak	VERTICAL
3	15925.95	51.67	54.00	-2.33	31.67	16.63	37.47	34.10	188	143	Average	VERTICAL
4	15933.12	64.67	74.00	-9.33	44.67	16.63	37.47	34.10	188	143	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11020.42	44.74	54.00	-9.26	26.28	13.44	38.40	33.38	218	149	Average	HORIZONTAL
2	11022.63	57.29	74.00	-16.71	38.83	13.44	38.40	33.38	218	149	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11023.24	44.96	54.00	-9.04	26.50	13.44	38.40	33.38	209	158	Average	VERTICAL
2	11024.85	57.60	74.00	-16.40	39.14	13.44	38.40	33.38	209	158	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11096.48	45.69	54.00	-8.31	26.91	13.60	38.56	33.38	225	152	Average	HORIZONTAL
2	11097.92	58.36	74.00	-15.64	39.58	13.60	38.56	33.38	225	152	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11100.06	58.77	74.00	-15.23	39.99	13.60	38.56	33.38	206	146	Peak	VERTICAL
2	11104.60	45.67	54.00	-8.33	26.89	13.60	38.56	33.38	206	146	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.98	59.57	74.00	-14.43	40.04	13.97	38.93	33.37	226	157	Peak	HORIZONTAL
2	11345.21	46.90	54.00	-7.10	27.37	13.97	38.93	33.37	226	157	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11338.52	59.67	74.00	-14.33	40.14	13.97	38.93	33.37	219	162	Peak	VERTICAL
2	11343.31	47.08	54.00	-6.92	27.55	13.97	38.93	33.37	219	162	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15868.35	50.77	54.00	-3.23	30.64	16.57	37.62	34.06	207	129	Average	HORIZONTAL
2	15874.69	63.79	74.00	-10.21	43.70	16.60	37.55	34.06	207	129	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15866.21	50.92	54.00	-3.08	30.74	16.57	37.62	34.01	196	120	Average	VERTICAL
2	15872.54	63.52	74.00	-10.48	43.39	16.57	37.62	34.06	196	120	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11056.93	45.16	54.00	-8.84	26.60	13.49	38.45	33.38	212	131	Average
2	11059.75	58.06	74.00	-15.94	39.50	13.49	38.45	33.38	212	131	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11058.22	58.16	74.00	-15.84	39.60	13.49	38.45	33.38	219	136	Peak
2	11062.78	45.36	54.00	-8.64	26.68	13.55	38.51	33.38	219	136	Average

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11218.20	60.89	74.00	-13.11	41.79	13.76	38.72	33.38	205	126	Peak	HORIZONTAL
2	11218.56	47.31	54.00	-6.69	28.21	13.76	38.72	33.38	205	126	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11217.43	60.13	74.00	-13.87	41.03	13.76	38.72	33.38	220	132	Peak	VERTICAL
2	11223.65	47.89	54.00	-6.11	28.69	13.81	38.77	33.38	220	132	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11436.33	46.60	54.00	-7.40	26.75	14.13	39.09	33.37	232	140	Average	HORIZONTAL
2	11438.83	59.80	74.00	-14.20	39.95	14.13	39.09	33.37	232	140	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11434.93	59.61	74.00	-14.39	39.76	14.13	39.09	33.37	218	134	Peak	VERTICAL
2	11437.67	46.62	54.00	-7.38	26.77	14.13	39.09	33.37	218	134	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11415.31	46.81	54.00	-7.19	27.06	14.08	39.04	33.37	218	167	Average	HORIZONTAL
2	11420.21	59.33	74.00	-14.67	39.48	14.13	39.09	33.37	218	167	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11417.48	61.07	74.00	-12.93	41.22	14.13	39.09	33.37	214	154	Peak	VERTICAL
2	11421.19	46.84	54.00	-7.16	26.99	14.13	39.09	33.37	214	154	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 6.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11378.64	59.85	74.00	-14.15	40.20	14.03	38.99	33.37	195	152	Peak	HORIZONTAL
2	11381.93	47.14	54.00	-6.86	27.49	14.03	38.99	33.37	195	152	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11375.40	59.67	74.00	-14.33	40.02	14.03	38.99	33.37	210	142	Peak	VERTICAL
2	11376.14	46.96	54.00	-7.04	27.31	14.03	38.99	33.37	210	142	Average	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15710.20	64.08	74.00	-9.92	43.63	16.48	37.84	33.87	206	259	Peak	HORIZONTAL
2	15716.60	51.58	54.00	-2.42	31.18	16.48	37.84	33.92	206	259	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15720.96	51.36	54.00	-2.64	30.96	16.48	37.84	33.92	214	269	Average	VERTICAL
2	15724.24	64.06	74.00	-9.94	43.66	16.48	37.84	33.92	214	269	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10608.16	59.33	74.00	-14.67	41.80	12.75	38.40	33.62	237	252 Peak	HORIZONTAL
2	10608.92	46.37	54.00	-7.63	28.84	12.75	38.40	33.62	237	252 Average	HORIZONTAL
3	15898.68	51.66	54.00	-2.34	31.57	16.60	37.55	34.06	242	257 Average	HORIZONTAL
4	15909.60	64.73	74.00	-9.27	44.64	16.60	37.55	34.06	242	257 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10609.16	59.92	74.00	-14.08	42.39	12.75	38.40	33.62	209	257 Peak	VERTICAL
2	10610.92	46.74	54.00	-7.26	29.21	12.75	38.40	33.62	209	257 Average	VERTICAL
3	15899.28	51.80	54.00	-2.20	31.71	16.60	37.55	34.06	244	271 Average	VERTICAL
4	15899.36	64.42	74.00	-9.58	44.33	16.60	37.55	34.06	244	271 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10632.16	46.40	54.00	-7.60	28.82	12.80	38.40	33.62	219	213	Average	HORIZONTAL
2	10647.48	59.70	74.00	-14.30	42.09	12.80	38.40	33.59	219	213	Peak	HORIZONTAL
3	15952.56	51.69	54.00	-2.31	31.69	16.63	37.47	34.10	211	204	Average	HORIZONTAL
4	15957.52	65.13	74.00	-8.87	45.13	16.63	37.47	34.10	211	204	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10632.48	46.37	54.00	-7.63	28.79	12.80	38.40	33.62	211	190	Average	VERTICAL
2	10645.08	58.91	74.00	-15.09	41.30	12.80	38.40	33.59	211	190	Peak	VERTICAL
3	15957.64	51.78	54.00	-2.22	31.78	16.63	37.47	34.10	206	196	Average	VERTICAL
4	15968.96	64.65	74.00	-9.35	44.69	16.66	37.40	34.10	206	196	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10991.52	45.59	54.00	-8.41	27.20	13.39	38.40	33.40	216	148	Average	HORIZONTAL
2	11003.72	58.49	74.00	-15.51	40.03	13.44	38.40	33.38	216	148	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10990.24	58.52	74.00	-15.48	40.13	13.39	38.40	33.40	182	180	Peak	VERTICAL
2	10998.08	45.67	54.00	-8.33	27.21	13.44	38.40	33.38	182	180	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11155.96	59.71	74.00	-14.29	40.83	13.65	38.61	33.38	197	181	Peak	HORIZONTAL
2	11166.00	47.11	54.00	-6.89	28.11	13.71	38.67	33.38	197	181	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11154.80	46.65	54.00	-7.35	27.77	13.65	38.61	33.38	192	172	Average	VERTICAL
2	11158.56	59.62	74.00	-14.38	40.62	13.71	38.67	33.38	192	172	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11397.00	47.50	54.00	-6.50	27.75	14.08	39.04	33.37	216	177	Average	HORIZONTAL
2	11397.96	60.02	74.00	-13.98	40.27	14.08	39.04	33.37	216	177	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11390.64	60.08	74.00	-13.92	40.33	14.08	39.04	33.37	207	166	Peak	VERTICAL
2	11395.00	47.53	54.00	-6.47	27.78	14.08	39.04	33.37	207	166	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15805.04	51.19	54.00	-2.81	30.92	16.54	37.69	33.96	204	119	Average
2	15807.08	63.74	74.00	-10.26	43.47	16.54	37.69	33.96	204	119	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	15809.04	51.20	54.00	-2.80	30.93	16.54	37.69	33.96	200	100	Average
2	15813.12	63.96	74.00	-10.04	43.69	16.54	37.69	33.96	200	100	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	10611.08	46.55	54.00	-7.45	29.02	12.75	38.40	33.62	196	100	Average	HORIZONTAL
2	10614.96	59.37	74.00	-14.63	41.84	12.75	38.40	33.62	196	100	Peak	HORIZONTAL
3	15923.60	65.90	74.00	-8.10	45.90	16.63	37.47	34.10	213	107	Peak	HORIZONTAL
4	15938.92	52.33	54.00	-1.67	32.33	16.63	37.47	34.10	213	107	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	10613.60	46.49	54.00	-7.51	28.96	12.75	38.40	33.62	194	98	Average	VERTICAL
2	10621.64	59.62	74.00	-14.38	42.04	12.80	38.40	33.62	194	98	Peak	VERTICAL
3	15924.48	64.76	74.00	-9.24	44.76	16.63	37.47	34.10	189	93	Peak	VERTICAL
4	15938.96	52.35	54.00	-1.65	32.35	16.63	37.47	34.10	189	93	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11012.28	45.45	54.00	-8.55	26.99	13.44	38.40	33.38	180	84	Average	HORIZONTAL
2	11026.20	58.37	74.00	-15.63	39.91	13.44	38.40	33.38	180	84	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11013.52	57.70	74.00	-16.30	39.24	13.44	38.40	33.38	188	79	Peak	VERTICAL
2	11025.68	45.48	54.00	-8.52	27.02	13.44	38.40	33.38	188	79	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11096.44	46.47	54.00	-7.53	27.69	13.60	38.56	33.38	207	93	Average
2	11103.80	59.52	74.00	-14.48	40.74	13.60	38.56	33.38	207	93	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11102.12	59.29	74.00	-14.71	40.51	13.60	38.56	33.38	177	73	Peak
2	11105.28	46.44	54.00	-7.56	27.66	13.60	38.56	33.38	177	73	Average

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11337.04	60.60	74.00	-13.40	41.07	13.97	38.93	33.37	194	117	Peak	HORIZONTAL
2	11337.52	47.51	54.00	-6.49	27.98	13.97	38.93	33.37	194	117	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11344.24	47.58	54.00	-6.42	28.05	13.97	38.93	33.37	230	120	Average	VERTICAL
2	11346.44	60.42	74.00	-13.58	40.89	13.97	38.93	33.37	230	120	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15872.32	64.27	74.00	-9.73	44.14	16.57	37.62	34.06	227	142	Peak	HORIZONTAL
2	15878.80	51.56	54.00	-2.44	31.47	16.60	37.55	34.06	227	142	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15871.56	63.97	74.00	-10.03	43.84	16.57	37.62	34.06	208	121	Peak	VERTICAL
2	15875.80	51.43	54.00	-2.57	31.34	16.60	37.55	34.06	208	121	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11051.40	58.33	74.00	-15.67	39.77	13.49	38.45	33.38	218	159	Peak
2	11065.60	45.77	54.00	-8.23	27.09	13.55	38.51	33.38	218	159	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11051.68	45.96	54.00	-8.04	27.40	13.49	38.45	33.38	208	168	Average
2	11068.12	58.93	74.00	-15.07	40.25	13.55	38.51	33.38	208	168	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11212.84	47.62	54.00	-6.38	28.52	13.76	38.72	33.38	210	153	Average	HORIZONTAL
2	11222.56	60.78	74.00	-13.22	41.58	13.81	38.77	33.38	210	153	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11223.64	60.05	74.00	-13.95	40.85	13.81	38.77	33.38	228	158	Peak	VERTICAL
2	11225.64	47.67	54.00	-6.33	28.47	13.81	38.77	33.38	228	158	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11434.24	47.01	54.00	-6.99	27.16	14.13	39.09	33.37	227	169	Average	HORIZONTAL
2	11436.24	59.71	74.00	-14.29	39.86	14.13	39.09	33.37	227	169	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11439.04	60.19	74.00	-13.81	40.34	14.13	39.09	33.37	234	164	Peak	VERTICAL
2	11439.88	47.06	54.00	-6.94	27.21	14.13	39.09	33.37	234	164	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11410.64	59.98	74.00	-14.02	40.23	14.08	39.04	33.37	204	106	Peak	HORIZONTAL
2	11411.88	47.23	54.00	-6.77	27.48	14.08	39.04	33.37	204	106	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11420.20	47.39	54.00	-6.61	27.54	14.13	39.09	33.37	223	130	Average	VERTICAL
2	11420.56	60.84	74.00	-13.16	40.99	14.13	39.09	33.37	223	130	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11372.40	47.74	54.00	-6.26	28.09	14.03	38.99	33.37	216	161	Average	HORIZONTAL
2	11385.48	60.00	74.00	-14.00	40.25	14.08	39.04	33.37	216	161	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11371.84	47.79	54.00	-6.21	28.14	14.03	38.99	33.37	189	150	Average	VERTICAL
2	11374.36	59.95	74.00	-14.05	40.30	14.03	38.99	33.37	189	150	Peak	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15777.26	51.05	54.00	-2.95	30.74	16.51	37.76	33.96	211	274	Average	HORIZONTAL
2	15779.22	64.30	74.00	-9.70	43.99	16.51	37.76	33.96	211	274	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15776.76	63.98	74.00	-10.02	43.67	16.51	37.76	33.96	219	298	Peak	VERTICAL
2	15780.86	51.06	54.00	-2.94	30.75	16.51	37.76	33.96	219	298	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10601.46	45.93	54.00	-8.07	28.42	12.75	38.40	33.64	216	292	Average	HORIZONTAL
2	10603.42	59.01	74.00	-14.99	41.50	12.75	38.40	33.64	216	292	Peak	HORIZONTAL
3	15902.54	64.45	74.00	-9.55	44.36	16.60	37.55	34.06	221	301	Peak	HORIZONTAL
4	15903.40	51.32	54.00	-2.68	31.23	16.60	37.55	34.06	221	301	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.38	45.79	54.00	-8.21	28.28	12.75	38.40	33.64	214	303	Average	VERTICAL
2	10601.34	59.49	74.00	-14.51	41.98	12.75	38.40	33.64	214	303	Peak	VERTICAL
3	15900.34	51.30	54.00	-2.70	31.21	16.60	37.55	34.06	207	312	Average	VERTICAL
4	15901.80	64.53	74.00	-9.47	44.44	16.60	37.55	34.06	207	312	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10636.38	45.98	54.00	-8.02	28.40	12.80	38.40	33.62	210	278	Average	HORIZONTAL
2	10642.94	59.41	74.00	-14.59	41.80	12.80	38.40	33.59	210	278	Peak	HORIZONTAL
3	15961.86	64.99	74.00	-9.01	44.99	16.63	37.47	34.10	207	285	Peak	HORIZONTAL
4	15963.82	51.61	54.00	-2.39	31.61	16.63	37.47	34.10	207	285	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10635.62	46.40	54.00	-7.60	28.82	12.80	38.40	33.62	227	240	Average	VERTICAL
2	10644.88	59.32	74.00	-14.68	41.71	12.80	38.40	33.59	227	240	Peak	VERTICAL
3	15956.68	51.55	54.00	-2.45	31.55	16.63	37.47	34.10	222	266	Average	VERTICAL
4	15956.96	64.44	74.00	-9.56	44.44	16.63	37.47	34.10	222	266	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11004.04	45.40	54.00	-8.60	26.94	13.44	38.40	33.38	244	142	Average
2	11005.68	58.56	74.00	-15.44	40.10	13.44	38.40	33.38	244	142	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11002.72	59.17	74.00	-14.83	40.71	13.44	38.40	33.38	220	230	Peak	VERTICAL
2	11006.92	45.38	54.00	-8.62	26.92	13.44	38.40	33.38	220	230	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11160.32	59.94	74.00	-14.06	40.94	13.71	38.67	33.38	241	128	Peak	HORIZONTAL
2	11167.32	47.44	54.00	-6.56	28.44	13.71	38.67	33.38	241	128	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11168.44	60.06	74.00	-13.94	41.06	13.71	38.67	33.38	214	123	Peak	VERTICAL
2	11169.20	47.49	54.00	-6.51	28.49	13.71	38.67	33.38	214	123	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11398.72	47.10	54.00	-6.90	27.35	14.08	39.04	33.37	227	124	Average
2	11401.50	59.82	74.00	-14.18	40.07	14.08	39.04	33.37	227	124	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11398.60	47.09	54.00	-6.91	27.34	14.08	39.04	33.37	206	113	Average
2	11400.10	59.96	74.00	-14.04	40.21	14.08	39.04	33.37	206	113	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15807.77	50.73	54.00	-3.27	30.46	16.54	37.69	33.96	111	351	Average	HORIZONTAL
2	15812.43	63.92	74.00	-10.08	43.65	16.54	37.69	33.96	111	351	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15810.72	51.09	54.00	-2.91	30.82	16.54	37.69	33.96	114	344	Average
2	15811.61	63.75	74.00	-10.25	43.48	16.54	37.69	33.96	114	344	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10617.75	46.09	54.00	-7.91	28.56	12.75	38.40	33.62	106	309	Average	HORIZONTAL
2	10618.10	60.02	74.00	-13.98	42.49	12.75	38.40	33.62	106	309	Peak	HORIZONTAL
3	15930.51	64.96	74.00	-9.04	44.96	16.63	37.47	34.10	109	319	Peak	HORIZONTAL
4	15931.00	51.65	54.00	-2.35	31.65	16.63	37.47	34.10	109	319	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.27	46.53	54.00	-7.47	29.00	12.75	38.40	33.62	113	349	Average	VERTICAL
2	10621.63	59.49	74.00	-14.51	41.91	12.80	38.40	33.62	113	349	Peak	VERTICAL
3	15928.49	51.57	54.00	-2.43	31.57	16.63	37.47	34.10	111	328	Average	VERTICAL
4	15929.78	64.76	74.00	-9.24	44.76	16.63	37.47	34.10	111	328	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11018.49	45.14	54.00	-8.86	26.68	13.44	38.40	33.38	110	287	Average	HORIZONTAL
2	11020.37	58.75	74.00	-15.25	40.29	13.44	38.40	33.38	110	287	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11017.85	57.78	74.00	-16.22	39.32	13.44	38.40	33.38	112	298	Peak	VERTICAL
2	11018.92	45.12	54.00	-8.88	26.66	13.44	38.40	33.38	112	298	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11097.81	46.30	54.00	-7.70	27.52	13.60	38.56	33.38	106	309	Average
2	11100.19	59.13	74.00	-14.87	40.35	13.60	38.56	33.38	106	309	Peak

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11097.75	46.34	54.00	-7.66	27.56	13.60	38.56	33.38	108	298	Average
2	11098.19	59.25	74.00	-14.75	40.47	13.60	38.56	33.38	108	298	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.82	60.65	74.00	-13.35	41.12	13.97	38.93	33.37	108	319	Peak	HORIZONTAL
2	11341.51	47.09	54.00	-6.91	27.56	13.97	38.93	33.37	108	319	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.80	59.76	74.00	-14.24	40.23	13.97	38.93	33.37	113	311	Peak	VERTICAL
2	11340.23	47.32	54.00	-6.68	27.79	13.97	38.93	33.37	113	311	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.78	50.79	54.00	-3.21	30.66	16.57	37.62	34.06	117	341	Average	HORIZONTAL
2	15872.27	63.88	74.00	-10.12	43.75	16.57	37.62	34.06	117	341	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15871.57	63.60	74.00	-10.40	43.47	16.57	37.62	34.06	111	339	Peak
2	15872.29	50.86	54.00	-3.14	30.73	16.57	37.62	34.06	111	339	Average

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11058.13	45.39	54.00	-8.61	26.83	13.49	38.45	33.38	123	342	Average	HORIZONTAL
2	11061.21	58.81	74.00	-15.19	40.13	13.55	38.51	33.38	123	342	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11057.83	45.68	54.00	-8.32	27.12	13.49	38.45	33.38	120	351	Average
2	11060.74	58.85	74.00	-15.15	40.17	13.55	38.51	33.38	120	351	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11217.53	60.22	74.00	-13.78	41.12	13.76	38.72	33.38	113	339	Peak	HORIZONTAL
2	11219.95	47.14	54.00	-6.86	28.04	13.76	38.72	33.38	113	339	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11219.18	47.53	54.00	-6.47	28.43	13.76	38.72	33.38	118	333	Average	VERTICAL
2	11220.74	60.18	74.00	-13.82	41.08	13.76	38.72	33.38	118	333	Peak	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11437.88	46.64	54.00	-7.36	26.79	14.13	39.09	33.37	206	121	Average	HORIZONTAL
2	11442.80	59.45	74.00	-14.55	39.60	14.13	39.09	33.37	206	121	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11441.46	46.49	54.00	-7.51	26.64	14.13	39.09	33.37	229	88	Average
2	11444.20	59.72	74.00	-14.28	39.87	14.13	39.09	33.37	229	88	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11418.50	59.99	74.00	-14.01	40.14	14.13	39.09	33.37	119	317	Peak	HORIZONTAL
2	11422.10	46.80	54.00	-7.20	26.95	14.13	39.09	33.37	119	317	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11420.03	60.13	74.00	-13.87	40.28	14.13	39.09	33.37	114	321	Peak	VERTICAL
2	11420.84	47.11	54.00	-6.89	27.26	14.13	39.09	33.37	114	321	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 23, 2015		
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11377.74	59.83	74.00	-14.17	40.18	14.03	38.99	33.37	128	338	Peak	HORIZONTAL
2	11379.05	46.75	54.00	-7.25	27.10	14.03	38.99	33.37	128	338	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11378.50	46.81	54.00	-7.19	27.16	14.03	38.99	33.37	130	341	Average	VERTICAL
2	11379.85	59.81	74.00	-14.19	40.16	14.03	38.99	33.37	130	341	Peak	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15722.73	64.74	74.00	-9.26	44.34	16.48	37.84	33.92	210	179	Peak	HORIZONTAL
2	15723.35	50.92	54.00	-3.08	30.52	16.48	37.84	33.92	210	179	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15714.93	51.05	54.00	-2.95	30.65	16.48	37.84	33.92	196	173	Average	VERTICAL
2	15716.44	64.01	74.00	-9.99	43.61	16.48	37.84	33.92	196	173	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.44	46.07	54.00	-7.93	28.56	12.75	38.40	33.64	185	148	Average	HORIZONTAL
2	10600.67	58.91	74.00	-15.09	41.40	12.75	38.40	33.64	185	148	Peak	HORIZONTAL
3	15895.63	64.43	74.00	-9.57	44.34	16.60	37.55	34.06	192	140	Peak	HORIZONTAL
4	15901.97	51.28	54.00	-2.72	31.19	16.60	37.55	34.06	192	140	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10596.65	46.38	54.00	-7.62	28.87	12.75	38.40	33.64	217	161	Average	VERTICAL
2	10599.19	59.58	74.00	-14.42	42.07	12.75	38.40	33.64	217	161	Peak	VERTICAL
3	15895.87	64.71	74.00	-9.29	44.62	16.60	37.55	34.06	212	156	Peak	VERTICAL
4	15904.49	51.20	54.00	-2.80	31.11	16.60	37.55	34.06	212	156	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10640.85	46.20	54.00	-7.80	28.59	12.80	38.40	33.59	198	138	Average	HORIZONTAL
2	10641.10	59.69	74.00	-14.31	42.08	12.80	38.40	33.59	198	138	Peak	HORIZONTAL
3	15959.68	64.77	74.00	-9.23	44.77	16.63	37.47	34.10	220	123	Peak	HORIZONTAL
4	15963.48	51.62	54.00	-2.38	31.62	16.63	37.47	34.10	220	123	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10639.43	58.89	74.00	-15.11	41.28	12.80	38.40	33.59	234	186	Peak	VERTICAL
2	10641.82	46.03	54.00	-7.97	28.42	12.80	38.40	33.59	234	186	Average	VERTICAL
3	15954.98	51.61	54.00	-2.39	31.61	16.63	37.47	34.10	204	145	Average	VERTICAL
4	15957.99	64.94	74.00	-9.06	44.94	16.63	37.47	34.10	204	145	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	10997.60	58.28	74.00	-15.72	39.82	13.44	38.40	33.38	210	193	Peak
2	10997.65	45.08	54.00	-8.92	26.62	13.44	38.40	33.38	211	193	Average

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11000.95	45.16	54.00	-8.84	26.70	13.44	38.40	33.38	224	177	Average
2	11003.96	57.82	74.00	-16.18	39.36	13.44	38.40	33.38	224	177	Peak

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11154.76	46.62	54.00	-7.38	27.74	13.65	38.61	33.38	193	186	Average	HORIZONTAL
2	11155.53	59.31	74.00	-14.69	40.43	13.65	38.61	33.38	192	186	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11154.85	46.46	54.00	-7.54	27.58	13.65	38.61	33.38	204	204	Average	VERTICAL
2	11161.89	59.70	74.00	-14.30	40.70	13.71	38.67	33.38	204	204	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11397.35	47.00	54.00	-7.00	27.25	14.08	39.04	33.37	212	203	Average	HORIZONTAL
2	11401.57	59.83	74.00	-14.17	40.08	14.08	39.04	33.37	212	203	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11399.98	47.03	54.00	-6.97	27.28	14.08	39.04	33.37	188	219	Average	VERTICAL
2	11400.85	59.94	74.00	-14.06	40.19	14.08	39.04	33.37	188	219	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15805.80	50.75	54.00	-3.25	30.48	16.54	37.69	33.96	237	101	Average	HORIZONTAL
2	15807.18	62.81	74.00	-11.19	42.54	16.54	37.69	33.96	237	101	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15807.20	50.80	54.00	-3.20	30.53	16.54	37.69	33.96	210	95	Average	VERTICAL
2	15807.29	63.69	74.00	-10.31	43.42	16.54	37.69	33.96	210	95	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10615.06	59.16	74.00	-14.84	41.63	12.75	38.40	33.62	205	104	Peak	HORIZONTAL
2	10615.91	46.22	54.00	-7.78	28.69	12.75	38.40	33.62	205	104	Average	HORIZONTAL
3	15927.41	51.59	54.00	-2.41	31.59	16.63	37.47	34.10	184	103	Average	HORIZONTAL
4	15934.79	64.17	74.00	-9.83	44.17	16.63	37.47	34.10	184	103	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10616.06	46.11	54.00	-7.89	28.58	12.75	38.40	33.62	234	118	Average	VERTICAL
2	10624.11	58.83	74.00	-15.17	41.25	12.80	38.40	33.62	234	118	Peak	VERTICAL
3	15927.18	51.66	54.00	-2.34	31.66	16.63	37.47	34.10	192	87	Average	VERTICAL
4	15930.57	64.64	74.00	-9.36	44.64	16.63	37.47	34.10	192	87	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11016.59	44.96	54.00	-9.04	26.50	13.44	38.40	33.38	214	112	Average	HORIZONTAL
2	11022.90	57.88	74.00	-16.12	39.42	13.44	38.40	33.38	214	112	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11015.23	44.94	54.00	-9.06	26.48	13.44	38.40	33.38	197	137	Average	VERTICAL
2	11016.12	57.82	74.00	-16.18	39.36	13.44	38.40	33.38	197	137	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11099.19	45.84	54.00	-8.16	27.06	13.60	38.56	33.38	205	137	Average	HORIZONTAL
2	11099.28	59.22	74.00	-14.78	40.44	13.60	38.56	33.38	205	137	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11096.82	58.22	74.00	-15.78	39.44	13.60	38.56	33.38	216	129	Peak	VERTICAL
2	11105.30	45.74	54.00	-8.26	26.96	13.60	38.56	33.38	216	129	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11336.04	60.17	74.00	-13.83	40.64	13.97	38.93	33.37	186	125	Peak	HORIZONTAL
2	11339.83	46.98	54.00	-7.02	27.45	13.97	38.93	33.37	186	125	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11338.90	46.89	54.00	-7.11	27.36	13.97	38.93	33.37	189	102	Average	VERTICAL
2	11344.35	59.99	74.00	-14.01	40.46	13.97	38.93	33.37	189	102	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.47	50.75	54.00	-3.25	30.62	16.57	37.62	34.06	150	26	Average	HORIZONTAL
2	15870.23	64.28	74.00	-9.72	44.15	16.57	37.62	34.06	150	26	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.53	50.81	54.00	-3.19	30.68	16.57	37.62	34.06	150	57	Average	VERTICAL
2	15870.95	63.81	74.00	-10.19	43.68	16.57	37.62	34.06	150	57	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11059.24	44.87	54.00	-9.13	26.31	13.49	38.45	33.38	150	84	Average	HORIZONTAL
2	11059.74	58.40	74.00	-15.60	39.84	13.49	38.45	33.38	150	84	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11059.70	58.48	74.00	-15.52	39.92	13.49	38.45	33.38	150	52	Peak	VERTICAL
2	11059.85	45.17	54.00	-8.83	26.61	13.49	38.45	33.38	150	52	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.68	47.26	54.00	-6.74	28.16	13.76	38.72	33.38	150	136	Average	HORIZONTAL
2	11220.74	60.38	74.00	-13.62	41.28	13.76	38.72	33.38	150	136	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.63	60.06	74.00	-13.94	40.96	13.76	38.72	33.38	150	115	Peak	VERTICAL
2	11220.80	47.13	54.00	-6.87	28.03	13.76	38.72	33.38	150	115	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11397.94	47.40	54.00	-6.60	27.65	14.08	39.04	33.37	229	196	Average	HORIZONTAL
2	11399.72	60.80	74.00	-13.20	41.05	14.08	39.04	33.37	229	196	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11395.04	47.02	54.00	-6.98	27.27	14.08	39.04	33.37	246	190	Average	VERTICAL
2	11396.52	59.40	74.00	-14.60	39.65	14.08	39.04	33.37	247	190	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11418.56	46.72	54.00	-7.28	26.87	14.13	39.09	33.37	176	122	Average	HORIZONTAL
2	11420.74	59.72	74.00	-14.28	39.87	14.13	39.09	33.37	176	122	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11416.54	60.47	74.00	-13.53	40.72	14.08	39.04	33.37	173	116	Peak	VERTICAL
2	11422.52	46.78	54.00	-7.22	26.93	14.13	39.09	33.37	173	116	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Sector Antenna / 4.5 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11379.03	59.98	74.00	-14.02	40.33	14.03	38.99	33.37	150	177	Peak	HORIZONTAL
2	11380.16	47.07	54.00	-6.93	27.42	14.03	38.99	33.37	150	177	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11379.41	60.31	74.00	-13.69	40.66	14.03	38.99	33.37	150	156	Peak	VERTICAL
2	11380.51	47.06	54.00	-6.94	27.41	14.03	38.99	33.37	150	156	Average	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15777.76	63.83	74.00	-10.17	43.52	16.51	37.76	33.96	207	195	Peak	HORIZONTAL
2	15780.00	51.30	54.00	-2.70	30.99	16.51	37.76	33.96	207	195	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15775.72	64.37	74.00	-9.63	44.06	16.51	37.76	33.96	200	197	Peak	VERTICAL
2	15776.00	51.33	54.00	-2.67	31.02	16.51	37.76	33.96	200	197	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.06	59.35	74.00	-14.65	41.84	12.75	38.40	33.64	227	201	Peak	HORIZONTAL
2	10600.80	46.13	54.00	-7.87	28.62	12.75	38.40	33.64	227	201	Average	HORIZONTAL
3	15902.37	64.40	74.00	-9.60	44.31	16.60	37.55	34.06	234	196	Peak	HORIZONTAL
4	15904.33	51.28	54.00	-2.72	31.19	16.60	37.55	34.06	234	196	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10600.16	58.82	74.00	-15.18	41.31	12.75	38.40	33.64	215	208	Peak	VERTICAL
2	10600.21	46.07	54.00	-7.93	28.56	12.75	38.40	33.64	215	208	Average	VERTICAL
3	15896.14	64.15	74.00	-9.85	44.06	16.60	37.55	34.06	223	202	Peak	VERTICAL
4	15905.17	51.39	54.00	-2.61	31.30	16.60	37.55	34.06	223	202	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10636.10	59.82	74.00	-14.18	42.24	12.80	38.40	33.62	228	244	Peak	HORIZONTAL
2	10637.33	45.89	54.00	-8.11	28.31	12.80	38.40	33.62	228	244	Average	HORIZONTAL
3	15954.81	51.48	54.00	-2.52	31.48	16.63	37.47	34.10	256	250	Average	HORIZONTAL
4	15958.37	64.23	74.00	-9.77	44.23	16.63	37.47	34.10	256	250	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10634.83	59.34	74.00	-14.66	41.76	12.80	38.40	33.62	213	212	Peak	VERTICAL
2	10634.87	46.00	54.00	-8.00	28.42	12.80	38.40	33.62	213	212	Average	VERTICAL
3	15955.08	51.50	54.00	-2.50	31.50	16.63	37.47	34.10	216	212	Average	VERTICAL
4	15960.64	63.69	74.00	-10.31	43.69	16.63	37.47	34.10	216	212	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10997.48	45.71	54.00	-8.29	27.25	13.44	38.40	33.38	222	240	Average	HORIZONTAL
2	10999.72	58.33	74.00	-15.67	39.87	13.44	38.40	33.38	222	240	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10998.92	58.74	74.00	-15.26	40.28	13.44	38.40	33.38	204	217	Peak	VERTICAL
2	11001.48	45.59	54.00	-8.41	27.13	13.44	38.40	33.38	204	217	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11156.76	46.36	54.00	-7.64	27.36	13.71	38.67	33.38	225	220	Average	HORIZONTAL
2	11157.99	59.54	74.00	-14.46	40.54	13.71	38.67	33.38	225	220	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11154.91	46.02	54.00	-7.98	27.14	13.65	38.61	33.38	216	229	Average	VERTICAL
2	11161.23	59.13	74.00	-14.87	40.13	13.71	38.67	33.38	216	229	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11397.48	47.42	54.00	-6.58	27.67	14.08	39.04	33.37	211	204	Average	HORIZONTAL
2	11400.04	60.33	74.00	-13.67	40.58	14.08	39.04	33.37	211	204	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11394.70	47.52	54.00	-6.48	27.77	14.08	39.04	33.37	206	200	Average	VERTICAL
2	11395.61	60.06	74.00	-13.94	40.31	14.08	39.04	33.37	206	200	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15813.52	63.73	74.00	-10.27	43.46	16.54	37.69	33.96	196	131	Peak	HORIZONTAL
2	15814.05	51.22	54.00	-2.78	30.95	16.54	37.69	33.96	196	131	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15809.45	51.28	54.00	-2.72	31.01	16.54	37.69	33.96	198	147	Average	VERTICAL
2	15811.17	64.46	74.00	-9.54	44.19	16.54	37.69	33.96	198	147	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10615.23	46.27	54.00	-7.73	28.74	12.75	38.40	33.62	202	128	Average	HORIZONTAL
2	10616.21	59.84	74.00	-14.16	42.31	12.75	38.40	33.62	202	128	Peak	HORIZONTAL
3	15926.38	64.77	74.00	-9.23	44.77	16.63	37.47	34.10	197	122	Peak	HORIZONTAL
4	15931.00	51.62	54.00	-2.38	31.62	16.63	37.47	34.10	197	122	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10619.94	58.45	74.00	-15.55	40.92	12.75	38.40	33.62	210	134	Peak	VERTICAL
2	10621.70	46.22	54.00	-7.78	28.64	12.80	38.40	33.62	210	134	Average	VERTICAL
3	15930.15	51.75	54.00	-2.25	31.75	16.63	37.47	34.10	220	144	Average	VERTICAL
4	15931.61	64.24	74.00	-9.76	44.24	16.63	37.47	34.10	220	144	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11015.38	45.31	54.00	-8.69	26.85	13.44	38.40	33.38	201	110	Average	HORIZONTAL
2	11023.94	58.94	74.00	-15.06	40.48	13.44	38.40	33.38	201	110	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11018.26	45.42	54.00	-8.58	26.96	13.44	38.40	33.38	208	112	Average	VERTICAL
2	11019.22	57.94	74.00	-16.06	39.48	13.44	38.40	33.38	208	112	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11096.40	46.05	54.00	-7.95	27.27	13.60	38.56	33.38	209	118	Average	HORIZONTAL
2	11099.34	59.25	74.00	-14.75	40.47	13.60	38.56	33.38	209	118	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11095.53	45.81	54.00	-8.19	27.03	13.60	38.56	33.38	187	105	Average	VERTICAL
2	11097.88	58.70	74.00	-15.30	39.92	13.60	38.56	33.38	187	105	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11337.79	47.55	54.00	-6.45	28.02	13.97	38.93	33.37	212	105	Average	HORIZONTAL
2	11339.98	60.75	74.00	-13.25	41.22	13.97	38.93	33.37	212	105	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11339.85	47.53	54.00	-6.47	28.00	13.97	38.93	33.37	203	88	Average	VERTICAL
2	11345.19	59.87	74.00	-14.13	40.34	13.97	38.93	33.37	203	88	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15864.95	63.85	74.00	-10.15	43.67	16.57	37.62	34.01	201	119	Peak	HORIZONTAL
2	15872.14	51.01	54.00	-2.99	30.88	16.57	37.62	34.06	201	119	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15864.72	63.81	74.00	-10.19	43.63	16.57	37.62	34.01	207	123	Peak	VERTICAL
2	15875.26	51.08	54.00	-2.92	30.99	16.60	37.55	34.06	207	123	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15865.78	51.14	54.00	-2.86	30.96	16.57	37.62	34.01	218	135	Average	HORIZONTAL
2	15870.76	63.56	74.00	-10.44	43.43	16.57	37.62	34.06	218	135	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.02	63.85	74.00	-10.15	43.72	16.57	37.62	34.06	235	122	Peak	VERTICAL
2	15871.06	51.17	54.00	-2.83	31.04	16.57	37.62	34.06	235	122	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11221.23	60.46	74.00	-13.54	41.26	13.81	38.77	33.38	225	113	Peak	HORIZONTAL
2	11223.77	47.36	54.00	-6.64	28.16	13.81	38.77	33.38	225	113	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11215.21	47.62	54.00	-6.38	28.52	13.76	38.72	33.38	244	94	Average	VERTICAL
2	11222.31	60.15	74.00	-13.85	40.95	13.81	38.77	33.38	244	94	Peak	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11440.11	47.08	54.00	-6.92	27.23	14.13	39.09	33.37	196	186	Average	HORIZONTAL
2	11440.19	59.97	74.00	-14.03	40.12	14.13	39.09	33.37	196	186	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11436.91	47.25	54.00	-6.75	27.40	14.13	39.09	33.37	191	194	Average	VERTICAL
2	11443.05	60.18	74.00	-13.82	40.33	14.13	39.09	33.37	191	194	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11416.76	47.58	54.00	-6.42	27.83	14.08	39.04	33.37	190	95	Average	HORIZONTAL
2	11423.84	59.99	74.00	-14.01	40.14	14.13	39.09	33.37	190	95	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11420.74	47.64	54.00	-6.36	27.79	14.13	39.09	33.37	208	70	Average	VERTICAL
2	11423.96	60.32	74.00	-13.68	40.47	14.13	39.09	33.37	208	70	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 26, 2015		
Test Mode	Mode 6: EUT 1 + Set 6 Sector Antenna / 4 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11380.72	47.51	54.00	-6.49	27.86	14.03	38.99	33.37	179	159	Average	HORIZONTAL
2	11384.54	61.24	74.00	-12.76	41.49	14.08	39.04	33.37	179	159	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11381.12	60.40	74.00	-13.60	40.75	14.03	38.99	33.37	203	168	Peak	VERTICAL
2	11381.65	47.57	54.00	-6.43	27.92	14.03	38.99	33.37	203	168	Average	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15780.00	64.05	74.00	-9.95	43.74	16.51	37.76	33.96	150	139	Peak	HORIZONTAL
2	15780.00	50.67	54.00	-3.33	30.36	16.51	37.76	33.96	150	139	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15780.00	64.50	74.00	-9.50	44.19	16.51	37.76	33.96	150	121	Peak	VERTICAL
2	15780.00	50.79	54.00	-3.21	30.48	16.51	37.76	33.96	150	121	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	10600.00	59.49	74.00	-14.51	41.98	12.75	38.40	33.64	150	181	Peak	HORIZONTAL
2	10600.00	45.87	54.00	-8.13	28.36	12.75	38.40	33.64	150	181	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	10600.00	59.10	74.00	-14.90	41.59	12.75	38.40	33.64	150	167	Peak	VERTICAL
2	10600.00	45.99	54.00	-8.01	28.48	12.75	38.40	33.64	150	167	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	10640.00	45.81	54.00	-8.19	28.20	12.80	38.40	33.59	150	208	Average	HORIZONTAL
2	10640.00	58.65	74.00	-15.35	41.04	12.80	38.40	33.59	150	208	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	10640.00	45.67	54.00	-8.33	28.06	12.80	38.40	33.59	150	192	Average	VERTICAL
2	10640.00	58.57	74.00	-15.43	40.96	12.80	38.40	33.59	150	192	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11000.00	58.09	74.00	-15.91	39.63	13.44	38.40	33.38	150	238	Peak	HORIZONTAL
2	11000.00	44.72	54.00	-9.28	26.26	13.44	38.40	33.38	150	238	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11000.00	57.97	74.00	-16.03	39.51	13.44	38.40	33.38	150	218	Peak	VERTICAL
2	11000.00	44.67	54.00	-9.33	26.21	13.44	38.40	33.38	150	218	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11160.00	59.42	74.00	-14.58	40.42	13.71	38.67	33.38	150	260	Peak	HORIZONTAL
2	11160.00	46.25	54.00	-7.75	27.25	13.71	38.67	33.38	150	260	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11160.00	59.27	74.00	-14.73	40.27	13.71	38.67	33.38	150	249	Peak	VERTICAL
2	11160.00	46.35	54.00	-7.65	27.35	13.71	38.67	33.38	150	249	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11400.00	59.91	74.00	-14.09	40.16	14.08	39.04	33.37	150	308	Peak	HORIZONTAL
2	11400.00	46.77	54.00	-7.23	27.02	14.08	39.04	33.37	150	308	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11400.00	60.13	74.00	-13.87	40.38	14.08	39.04	33.37	150	283	Peak	VERTICAL
2	11400.00	46.83	54.00	-7.17	27.08	14.08	39.04	33.37	150	283	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15809.61	50.55	54.00	-3.45	30.28	16.54	37.69	33.96	150	124	Average	HORIZONTAL
2	15809.93	63.63	74.00	-10.37	43.36	16.54	37.69	33.96	150	124	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	15809.60	63.80	74.00	-10.20	43.53	16.54	37.69	33.96	150	145	Peak	VERTICAL
2	15810.17	50.50	54.00	-3.50	30.23	16.54	37.69	33.96	150	145	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	10619.89	59.25	74.00	-14.75	41.72	12.75	38.40	33.62	150	96 Peak	HORIZONTAL
2	10619.98	45.64	54.00	-8.36	28.11	12.75	38.40	33.62	150	96 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg	
1	11020.04	44.66	54.00	-9.34	26.20	13.44	38.40	33.38	150	77 Average	VERTICAL
2	11020.12	58.48	74.00	-15.52	40.02	13.44	38.40	33.38	150	77 Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11019.72	44.77	54.00	-9.23	26.31	13.44	38.40	33.38	150	48	Average	HORIZONTAL
2	11020.27	58.40	74.00	-15.60	39.94	13.44	38.40	33.38	150	48	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11020.04	44.66	54.00	-9.34	26.20	13.44	38.40	33.38	150	77	Average	VERTICAL
2	11020.12	58.48	74.00	-15.52	40.02	13.44	38.40	33.38	150	77	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11099.81	45.26	54.00	-8.74	26.48	13.60	38.56	33.38	150	91	Average	HORIZONTAL
2	11100.30	58.59	74.00	-15.41	39.81	13.60	38.56	33.38	150	91	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11099.75	45.43	54.00	-8.57	26.65	13.60	38.56	33.38	150	71	Average	VERTICAL
2	11100.23	58.43	74.00	-15.57	39.65	13.60	38.56	33.38	150	71	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11340.04	59.61	74.00	-14.39	40.08	13.97	38.93	33.37	150	124	Peak	HORIZONTAL
2	11340.41	46.73	54.00	-7.27	27.20	13.97	38.93	33.37	150	124	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11340.04	60.12	74.00	-13.88	40.59	13.97	38.93	33.37	150	103	Peak	VERTICAL
2	11340.10	46.81	54.00	-7.19	27.28	13.97	38.93	33.37	150	103	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15870.36	50.59	54.00	-3.41	30.46	16.57	37.62	34.06	150	304	Average	HORIZONTAL
2	15870.40	64.16	74.00	-9.84	44.03	16.57	37.62	34.06	150	304	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15869.56	50.53	54.00	-3.47	30.40	16.57	37.62	34.06	150	286	Average	VERTICAL
2	15869.80	63.93	74.00	-10.07	43.80	16.57	37.62	34.06	150	286	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.68	44.89	54.00	-9.11	26.33	13.49	38.45	33.38	150	348	Average	HORIZONTAL
2	11059.84	58.24	74.00	-15.76	39.68	13.49	38.45	33.38	150	348	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11059.78	57.73	74.00	-16.27	39.17	13.49	38.45	33.38	150	334	Peak	VERTICAL
2	11059.87	44.84	54.00	-9.16	26.28	13.49	38.45	33.38	150	334	Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.10	60.05	74.00	-13.95	40.95	13.76	38.72	33.38	150	307	Peak	HORIZONTAL
2	11220.33	46.89	54.00	-7.11	27.79	13.76	38.72	33.38	150	307	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11220.31	60.74	74.00	-13.26	41.64	13.76	38.72	33.38	150	327	Peak	VERTICAL
2	11220.39	46.86	54.00	-7.14	27.76	13.76	38.72	33.38	150	327	Average	VERTICAL

Note:

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

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

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

Straddle Channel

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11440.00	59.08	74.00	-14.92	39.23	14.13	39.09	33.37	150	357	Peak	HORIZONTAL
2	11440.00	46.19	54.00	-7.81	26.34	14.13	39.09	33.37	150	357	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11440.00	46.43	54.00	-7.57	26.58	14.13	39.09	33.37	150	332	Average	VERTICAL
2	11440.00	59.84	74.00	-14.16	39.99	14.13	39.09	33.37	150	332	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11420.18	46.62	54.00	-7.38	26.77	14.13	39.09	33.37	150	173	Average	HORIZONTAL
2	11420.44	59.45	74.00	-14.55	39.60	14.13	39.09	33.37	150	173	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11419.57	46.51	54.00	-7.49	26.66	14.13	39.09	33.37	150	156	Average	VERTICAL
2	11420.38	60.50	74.00	-13.50	40.65	14.13	39.09	33.37	150	156	Peak	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 27, 2015		
Test Mode	Mode 7: EUT 1 + Set 9 Dipole Antenna / 4.67 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11380.11	60.14	74.00	-13.86	40.49	14.03	38.99	33.37	150	257	Peak	HORIZONTAL
2	11380.19	46.88	54.00	-7.12	27.23	14.03	38.99	33.37	150	257	Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	Cable	Antenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	cm	deg		
1	11379.98	59.63	74.00	-14.37	39.98	14.03	38.99	33.37	150	283	Peak	VERTICAL
2	11380.09	46.76	54.00	-7.24	27.11	14.03	38.99	33.37	150	283	Average	VERTICAL

Note:

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

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

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

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15785.01	63.51	74.00	-10.49	43.24	16.54	37.69	33.96	178	120 Peak	HORIZONTAL
2	15788.39	50.39	54.00	-3.61	30.12	16.54	37.69	33.96	178	120 Average	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	15773.08	63.32	74.00	-10.68	43.01	16.51	37.76	33.96	185	125 Peak	VERTICAL
2	15778.15	50.35	54.00	-3.65	30.04	16.51	37.76	33.96	185	125 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10601.48	45.84	54.00	-8.16	28.33	12.75	38.40	33.64	156	107 Average	HORIZONTAL
2	10608.08	58.38	74.00	-15.62	40.85	12.75	38.40	33.62	156	107 Peak	HORIZONTAL
3	15899.51	50.66	54.00	-3.34	30.57	16.60	37.55	34.06	164	116 Average	HORIZONTAL
4	15902.66	63.95	74.00	-10.05	43.86	16.60	37.55	34.06	164	116 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	10600.61	58.03	74.00	-15.97	40.52	12.75	38.40	33.64	169	145 Peak	VERTICAL
2	10600.61	45.86	54.00	-8.14	28.35	12.75	38.40	33.64	169	145 Average	VERTICAL
3	15890.91	63.84	74.00	-10.16	43.75	16.60	37.55	34.06	181	140 Peak	VERTICAL
4	15895.08	50.80	54.00	-3.20	30.71	16.60	37.55	34.06	181	140 Average	VERTICAL

Temperature	25°C	Humidity	55%
Test Engineer	Stim Sung	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Nov. 20, 2015		
Test Mode	Mode 8: EUT 2 + Set 10 PIFA Antenna / Chain1:5.84 dBi, Chain2:5.50 dBi, Chain3:5.84 dBi, Chain4:5.65 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10640.06	59.14	74.00	-14.86	41.53	12.80	38.40	33.59	178	162	Peak	HORIZONTAL
2	10644.20	48.20	54.00	-5.80	30.59	12.80	38.40	33.59	178	162	Average	HORIZONTAL
3	15954.76	63.09	74.00	-10.91	43.09	16.63	37.47	34.10	183	157	Peak	HORIZONTAL
4	15963.42	50.63	54.00	-3.37	30.63	16.63	37.47	34.10	183	157	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	10644.05	46.26	54.00	-7.74	28.65	12.80	38.40	33.59	174	134	Average	VERTICAL
2	10646.11	59.40	74.00	-14.60	41.79	12.80	38.40	33.59	174	134	Peak	VERTICAL
3	15951.55	50.65	54.00	-3.35	30.65	16.63	37.47	34.10	169	139	Average	VERTICAL
4	15953.20	64.43	74.00	-9.57	44.43	16.63	37.47	34.10	169	139	Peak	VERTICAL