Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	7.48	7.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =9.51dBi >6dBi, so the limit 11-(9.51-6)=7.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	6.64	-3.01	3.63	26.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =9.51dBi >6dBi, so the limit 30-(9.51-6)=26.49dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	4.92	7.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ = 9.51dBi >6dBi, so the limit 11-(9.51-6)=7.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	3.21	-3.01	0.20	26.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =9.51dBi >6dBi, so the limit 30-(9.51-6)=26.49dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	1.64	7.49	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ = 9.51dBi >6dBi, so the limit 11-(9.51-6)=7.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	0.28	-3.01	-2.73	26.49	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =9.51dBi >6dBi, so the limit 30-(9.51-6)=26.49dBm/500kHz.

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 15, 2015 ~ Dec. 18, 2015
Test Mode	Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi		

P to M

Mode	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
802.11ac MCS0/Nss1 VHT20	5260 MHz	9.38	9.49	Complies
	5300 MHz	9.32	9.49	Complies
	5320 MHz	9.18	9.49	Complies
	5500 MHz	9.32	9.49	Complies
	5580 MHz	9.34	9.49	Complies
	5700 MHz	7.24	9.49	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	6.04	9.49	Complies
	5310 MHz	5.37	9.49	Complies
	5510 MHz	5.48	9.49	Complies
	5550 MHz	6.07	9.49	Complies
	5670 MHz	6.18	9.49	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	-0.33	9.49	Complies
	5530 MHz	-1.41	9.49	Complies
	5610 MHz	3.15	9.49	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =7.51dBi >6dBi, so the limit 11-(7.51-6)=9.49dBm/MHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	9.36	9.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.51dBi >6dBi, so the limit 11-(7.51-6)=9.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	8.78	-3.01	5.77	28.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.51dBi >6dBi, so the limit 30-(7.51-6)=28.49dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	6.88	9.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.51dBi >6dBi, so the limit 11-(7.51-6)=9.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	5.21	-3.01	2.20	28.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.51dBi >6dBi, so the limit 30-(7.51-6)=28.49dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	3.86	9.49	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =7.51dBi >6dBi, so the limit 11-(7.51-6)=9.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	2.32	-3.01	-0.69	28.49	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =7.51dBi >6dBi, so the limit 30-(7.51-6)=28.49dBm/500kHz.

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 15, 2015 ~ Dec. 18, 2015
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

P to M

Mode	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
802.11ac MCS0/Nss1 VHT20	5260 MHz	7.72	8.49	Complies
	5300 MHz	7.75	8.49	Complies
	5320 MHz	8.03	8.49	Complies
	5500 MHz	8.11	8.49	Complies
	5580 MHz	7.72	8.49	Complies
	5700 MHz	7.68	8.49	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	4.89	8.49	Complies
	5310 MHz	2.78	8.49	Complies
	5510 MHz	4.83	8.49	Complies
	5550 MHz	4.90	8.49	Complies
	5670 MHz	4.96	8.49	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	-1.41	8.49	Complies
	5530 MHz	-1.68	8.49	Complies
	5610 MHz	1.98	8.49	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.51dBi >6dBi, so the limit 11-(8.51-6)=8.49dBm/MHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	8.28	8.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =8.51dBi >6dBi, so the limit 11-(8.51-6)=8.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	7.57	-3.01	4.56	27.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =8.51dBi >6dBi, so the limit 30-(8.51-6)=27.49dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	5.91	8.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =8.51dBi >6dBi, so the limit 11-(8.51-6)=8.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	3.91	-3.01	0.90	27.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =8.51dBi >6dBi, so the limit 30-(8.51-6)=27.49dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	2.72	8.49	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.51dBi >6dBi, so the limit 11-(8.51-6)=8.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	1.23	-3.01	-1.78	27.49	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.51dBi >6dBi, so the limit 30-(8.51-6)=27.49dBm/500kHz.

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 15, 2015 ~ Dec. 18, 2015
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

P to M

Mode	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
802.11ac MCS0/Nss1 VHT20	5260 MHz	6.18	6.49	Complies
	5300 MHz	6.17	6.49	Complies
	5320 MHz	6.15	6.49	Complies
	5500 MHz	6.09	6.49	Complies
	5580 MHz	6.11	6.49	Complies
	5700 MHz	6.27	6.49	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	2.88	6.49	Complies
	5310 MHz	2.35	6.49	Complies
	5510 MHz	2.76	6.49	Complies
	5550 MHz	3.41	6.49	Complies
	5670 MHz	3.20	6.49	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	-2.48	6.49	Complies
	5530 MHz	-4.33	6.49	Complies
	5610 MHz	-0.06	6.49	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.51dBi >6dBi, so the limit 11-(10.51-6)=6.49dBm/MHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.04	6.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =10.51dBi >6dBi, so the limit 11-(10.51-6)=6.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	5.56	-3.01	2.55	25.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =10.51dBi >6dBi, so the limit 30-(10.51-6)=25.49dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	3.97	6.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =10.51dBi >6dBi, so the limit 11-(10.51-6)=6.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	2.18	-3.01	-0.83	25.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =10.51dBi >6dBi, so the limit 30-(10.51-6)=25.49dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	0.73	6.49	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.51dBi >6dBi, so the limit 11-(10.51-6)=6.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-0.71	-3.01	-3.72	25.49	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.51dBi >6dBi, so the limit 30-(10.51-6)=25.49dBm/500kHz.

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 15, 2015 ~ Dec. 18, 2015
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

P to M

Mode	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
802.11ac MCS0/Nss1 VHT20	5260 MHz	4.82	4.98	Complies
	5300 MHz	4.59	4.98	Complies
	5320 MHz	4.62	4.98	Complies
	5500 MHz	4.63	4.98	Complies
	5580 MHz	4.54	4.98	Complies
	5700 MHz	4.67	4.98	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	1.59	4.98	Complies
	5310 MHz	1.55	4.98	Complies
	5510 MHz	1.29	4.98	Complies
	5550 MHz	1.79	4.98	Complies
	5670 MHz	1.56	4.98	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	-2.66	4.98	Complies
	5530 MHz	-3.47	4.98	Complies
	5610 MHz	-1.38	4.98	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi >6dBi, so the limit 11-(12.02-6)=4.98dBm/MHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	4.92	4.98	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi >6dBi, so the limit 11-(12.02-6)=4.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	4.16	-3.01	1.15	23.98	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi >6dBi, so the limit 30-(12.02-6)=23.98dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	2.21	4.98	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi >6dBi, so the limit 11-(12.02-6)=4.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	0.57	-3.01	-2.44	23.98	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi >6dBi, so the limit 30-(12.02-6)=23.98dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	-0.86	4.98	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi >6dBi, so the limit 11-(12.02-6)=4.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-2.27	-3.01	-5.28	23.98	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi >6dBi, so the limit 30-(12.02-6)=23.98dBm/500kHz.

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 15, 2015 ~ Dec. 18, 2015
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

P to M

Mode	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
802.11ac MCS0/Nss1 VHT20	5260 MHz	2.16	2.49	Complies
	5300 MHz	2.17	2.49	Complies
	5320 MHz	2.06	2.49	Complies
	5500 MHz	2.02	2.49	Complies
	5580 MHz	2.06	2.49	Complies
	5700 MHz	2.16	2.49	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	-0.87	2.49	Complies
	5310 MHz	-1.11	2.49	Complies
	5510 MHz	-0.83	2.49	Complies
	5550 MHz	-0.82	2.49	Complies
	5670 MHz	-0.85	2.49	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	-5.09	2.49	Complies
	5530 MHz	-5.41	2.49	Complies
	5610 MHz	-4.46	2.49	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =14.51dBi >6dBi, so the limit 11-(14.51-6)=2.49dBm/MHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	2.47	2.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =14.51dBi >6dBi, so the limit 11-(14.51-6)=2.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	1.66	-3.01	-1.35	21.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =14.51dBi >6dBi, so the limit 30-(14.51-6)=21.49dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	0.07	2.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =14.51dBi >6dBi, so the limit 11-(14.51-6)=2.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	-1.84	-3.01	-4.85	21.49	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =14.51dBi >6dBi, so the limit 30-(14.51-6)=21.49dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	-3.09	2.49	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =14.51dBi >6dBi, so the limit 11-(14.51-6)=2.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-4.25	-3.01	-7.26	21.49	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =14.51dBi >6dBi, so the limit 30-(14.51-6)=21.49dBm/500kHz.

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 15, 2015 ~ Dec. 18, 2015
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

P to M

Mode	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
802.11ac MCS0/Nss1 VHT20	5260 MHz	1.63	1.99	Complies
	5300 MHz	1.61	1.99	Complies
	5320 MHz	1.56	1.99	Complies
	5500 MHz	1.54	1.99	Complies
	5580 MHz	1.53	1.99	Complies
	5700 MHz	1.63	1.99	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	-1.34	1.99	Complies
	5310 MHz	-1.35	1.99	Complies
	5510 MHz	-1.23	1.99	Complies
	5550 MHz	-1.24	1.99	Complies
	5670 MHz	-1.38	1.99	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	-5.70	1.99	Complies
	5530 MHz	-6.07	1.99	Complies
	5610 MHz	-4.48	1.99	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =15.01dBi >6dBi, so the limit 11-(15.01-6)=1.99dBm/MHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	1.75	1.99	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =15.01dBi >6dBi, so the limit 11-(15.01-6)=1.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	1.10	-3.01	-1.91	20.99	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =15.01dBi >6dBi, so the limit 30-(15.01-6)=20.99dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	-0.91	1.99	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =15.01dBi >6dBi, so the limit 11-(15.01-6)=1.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	-2.72	-3.01	-5.73	20.99	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =15.01dBi >6dBi, so the limit 30-(15.01-6)=20.99dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	-3.76	1.99	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =15.01dBi >6dBi, so the limit 11-(15.01-6)=1.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-5.30	-3.01	-8.31	20.99	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =15.01dBi >6dBi, so the limit 30-(15.01-6)=20.99dBm/500kHz.

Temperature	25°C	Humidity	45%
Test Engineer	Eddie Weng & Lucas Huang		
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

P to M

Mode	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
802.11ac MCS0/Nss1 VHT20	5260 MHz	9.31	9.99	Complies
	5300 MHz	9.26	9.99	Complies
	5320 MHz	9.23	9.99	Complies
	5500 MHz	9.22	9.99	Complies
	5580 MHz	9.30	9.99	Complies
	5700 MHz	8.76	9.99	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	6.32	9.99	Complies
	5310 MHz	3.58	9.99	Complies
	5510 MHz	3.94	9.99	Complies
	5550 MHz	6.73	9.99	Complies
	5670 MHz	6.24	9.99	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	-1.86	9.99	Complies
	5530 MHz	-3.11	9.99	Complies
	5610 MHz	3.73	9.99	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =7.01dBi >6dBi, so the limit 11-(7.01-6)=9.99dBm/MHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	9.36	9.99	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.01dBi >6dBi, so the limit 11-(7.01-6)=9.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	8.78	-3.01	5.77	28.99	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.01dBi >6dBi, so the limit 30-(7.01-6)=28.99dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	7.48	9.99	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.01dBi >6dBi, so the limit 11-(7.01-6)=9.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	5.58	-3.01	2.57	28.99	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.01dBi >6dBi, so the limit 30-(7.01-6)=28.99dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	3.86	9.99	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =7.01dBi >6dBi, so the limit 11-(7.01-6)=9.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	2.32	-3.01	-0.69	28.99	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =7.01dBi >6dBi, so the limit 30-(7.01-6)=28.99dBm/500kHz.

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 19, 2015 ~ Dec. 20, 2015
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

P to P

Mode	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
802.11ac MCS0/Nss1 VHT20	5260 MHz	-9.44	-9.01	Complies
	5300 MHz	-9.42	-9.01	Complies
	5320 MHz	-9.41	-9.01	Complies
	5500 MHz	-9.45	-9.01	Complies
	5580 MHz	-9.36	-9.01	Complies
	5700 MHz	-9.42	-9.01	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	-12.66	-9.01	Complies
	5310 MHz	-12.40	-9.01	Complies
	5510 MHz	-12.30	-9.01	Complies
	5550 MHz	-12.69	-9.01	Complies
	5670 MHz	-12.66	-9.01	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	-15.46	-9.01	Complies
	5530 MHz	-15.47	-9.01	Complies
	5610 MHz	-15.38	-9.01	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =26.01dBi >6dBi, so the limit 11-(26.01-6)=-9.01dBm/MHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	-9.41	-9.01	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =26.01dBi >6dBi, so the limit 11-(26.01-6)=-9.01dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	-9.65	-3.01	-12.66	30.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	-12.12	-9.01	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =26.01dBi >6dBi, so the limit 11-(26.01-6)=-9.01dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	-12.58	-3.01	-15.59	30.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	-15.39	-9.01	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =26.01dBi >6dBi, so the limit 11-(26.01-6)=-9.01dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-15.23	-3.01	-18.24	30.00	Complies

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 15, 2015 ~ Dec. 18, 2015
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

P to M

Mode	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
802.11ac MCS0/Nss1 VHT20	5260 MHz	4.82	4.98	Complies
	5300 MHz	4.59	4.98	Complies
	5320 MHz	4.62	4.98	Complies
	5500 MHz	4.63	4.98	Complies
	5580 MHz	4.54	4.98	Complies
	5700 MHz	4.67	4.98	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	1.59	4.98	Complies
	5310 MHz	-0.03	4.98	Complies
	5510 MHz	1.29	4.98	Complies
	5550 MHz	1.79	4.98	Complies
	5670 MHz	1.56	4.98	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	-6.48	4.98	Complies
	5530 MHz	-7.00	4.98	Complies
	5610 MHz	-1.38	4.98	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi >6dBi, so the limit 11-(12.02-6)=4.98dBm/MHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	4.92	4.98	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi >6dBi, so the limit 11-(12.02-6)=4.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	4.16	-3.01	1.15	23.98	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi >6dBi, so the limit 30-(12.02-6)=23.98dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	2.21	4.98	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi >6dBi, so the limit 11-(12.02-6)=4.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	0.57	-3.01	-2.44	23.98	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi >6dBi, so the limit 30-(12.02-6)=23.98dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	-0.86	4.98	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi >6dBi, so the limit 11-(12.02-6)=4.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-2.27	-3.01	-5.28	23.98	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi >6dBi, so the limit 30-(12.02-6)=23.98dBm/500kHz.

Temperature	25°C	Humidity	45%
Test Engineer	Eddie Weng & Lucas Huang		
Test Mode	Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi		

P to M

Mode	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
802.11ac MCS0/Nss1 VHT20	5260 MHz	4.73	4.91	Complies
	5300 MHz	4.78	4.91	Complies
	5320 MHz	4.71	4.91	Complies
	5500 MHz	4.73	4.91	Complies
	5580 MHz	4.80	4.91	Complies
	5700 MHz	4.62	4.91	Complies
802.11ac MCS0/Nss1 VHT40	5270 MHz	1.68	4.91	Complies
	5310 MHz	1.67	4.91	Complies
	5510 MHz	1.51	4.91	Complies
	5550 MHz	1.70	4.91	Complies
	5670 MHz	1.77	4.91	Complies
802.11ac MCS0/Nss1 VHT80	5290 MHz	-1.71	4.91	Complies
	5530 MHz	-2.75	4.91	Complies
	5610 MHz	-1.37	4.91	Complies

Note: $Directiona\,lGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.09dBi >6dBi, so the limit 11-(12.09-6)=4.91dBm/MHz.

Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	4.48	4.91	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.09dBi >6dBi, so the limit 11-(12.09-6)=4.91dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	3.63	-3.01	0.62	23.91	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.09dBi >6dBi, so the limit 30-(12.09-6)=23.91dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	2.18	4.91	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.09dBi >6dBi, so the limit 11-(12.09-6)=4.91dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	1.11	-3.01	-1.90	23.91	Complies

Note: $Directional Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.09dBi >6dBi, so the limit 30-(12.09-6)=23.91dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	-1.12	4.91	Complies

Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.09dBi >6dBi, so the limit 11-(12.09-6)=4.91dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-1.65	-3.01	-4.66	23.91	Complies

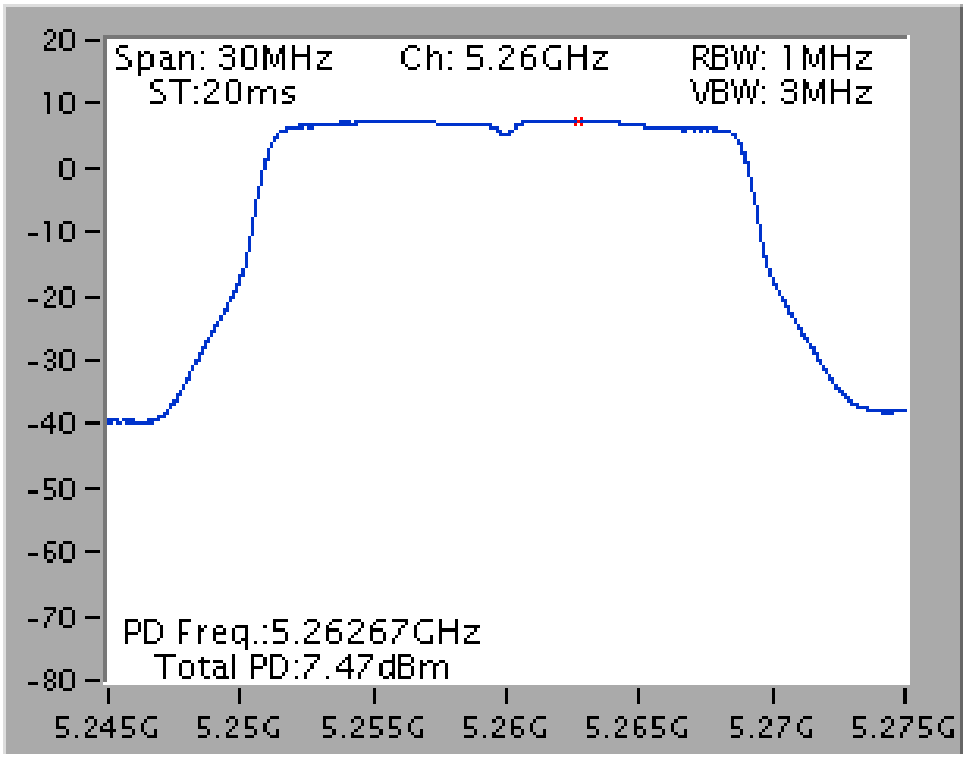
Note: $Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.09dBi >6dBi, so the limit 30-(12.09-6)=23.91dBm/500kHz.

Note: All the test values were listed in the report.

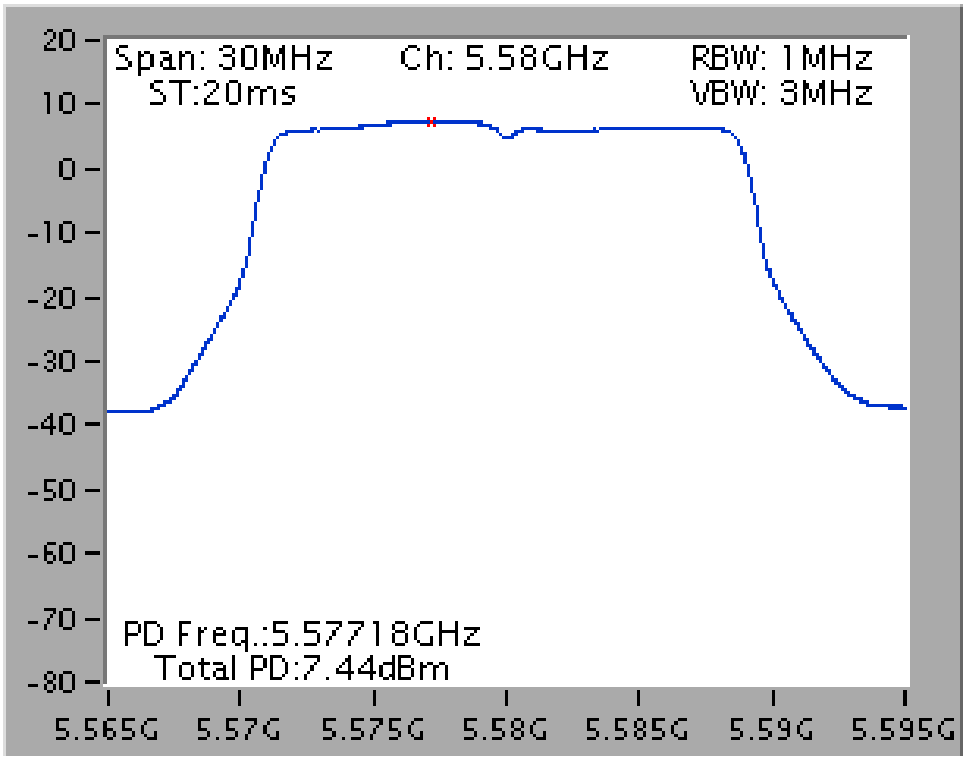
For plots, only the channel with worse result was shown.

Mode 1: EUT 1 + Set 1 Sector Antenna / 6.5 dBi

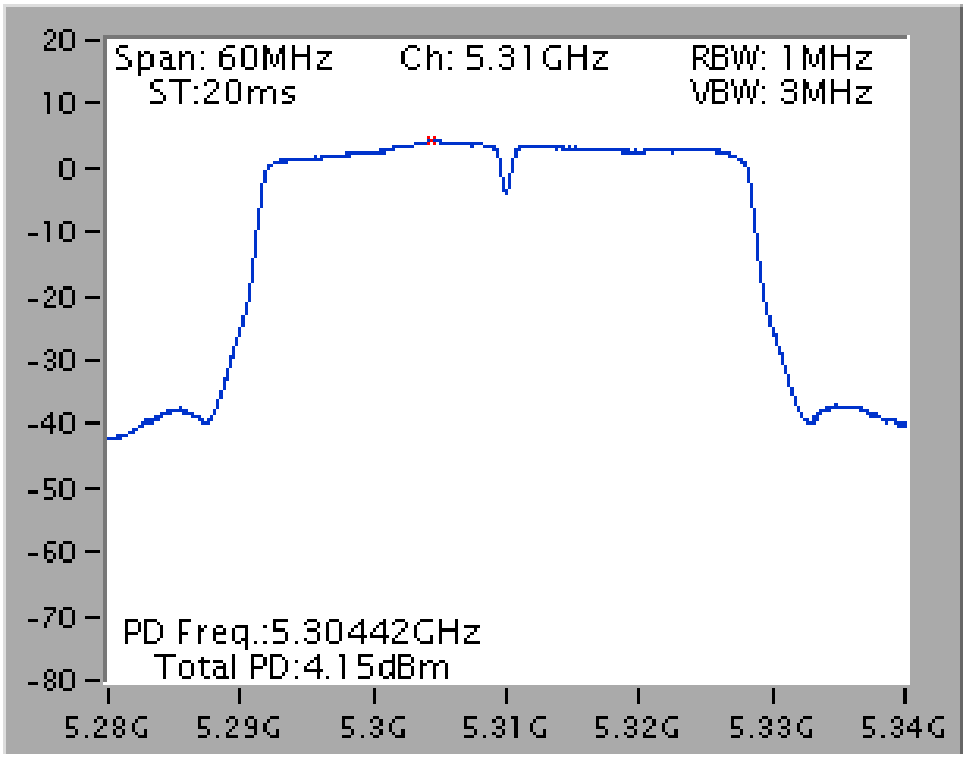
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



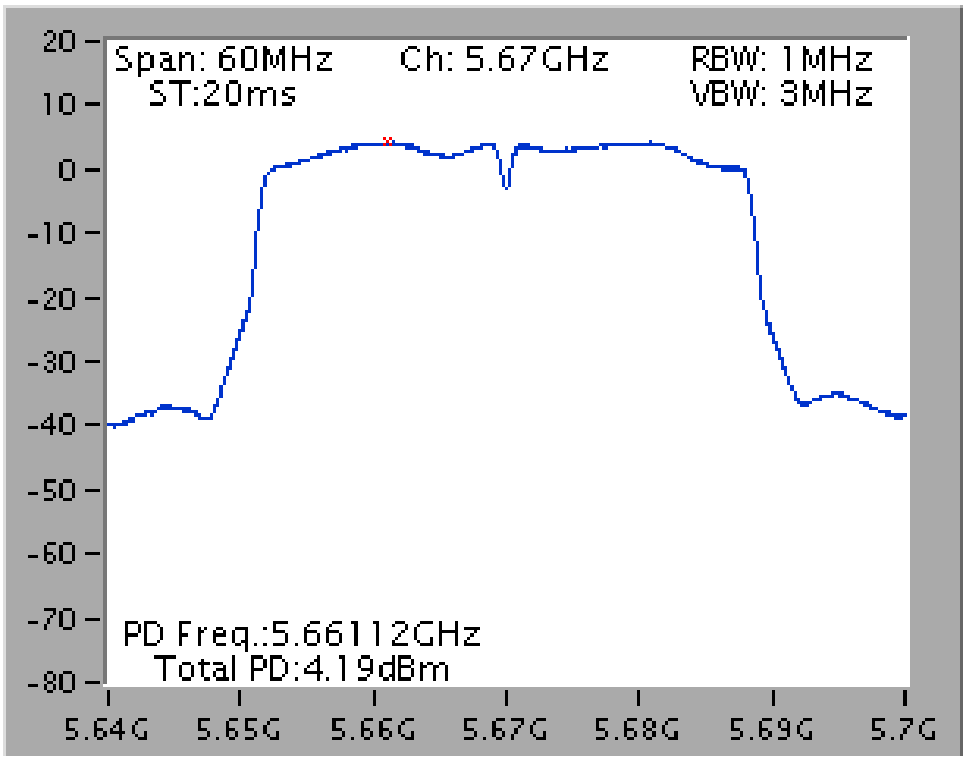
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5580 MHz



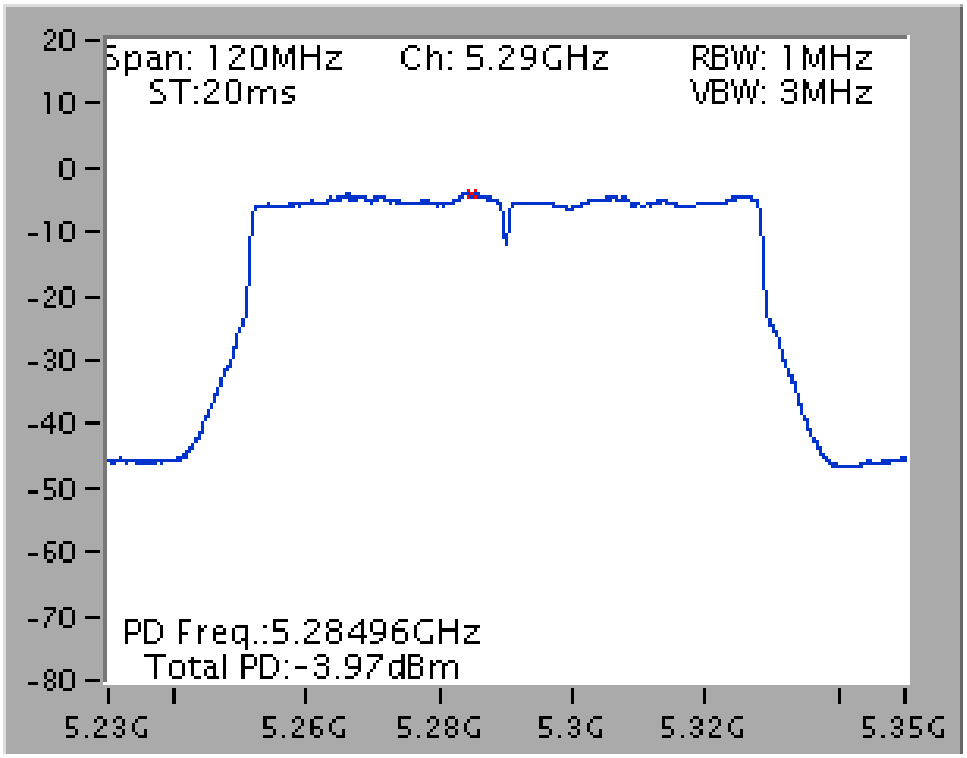
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5310 MHz



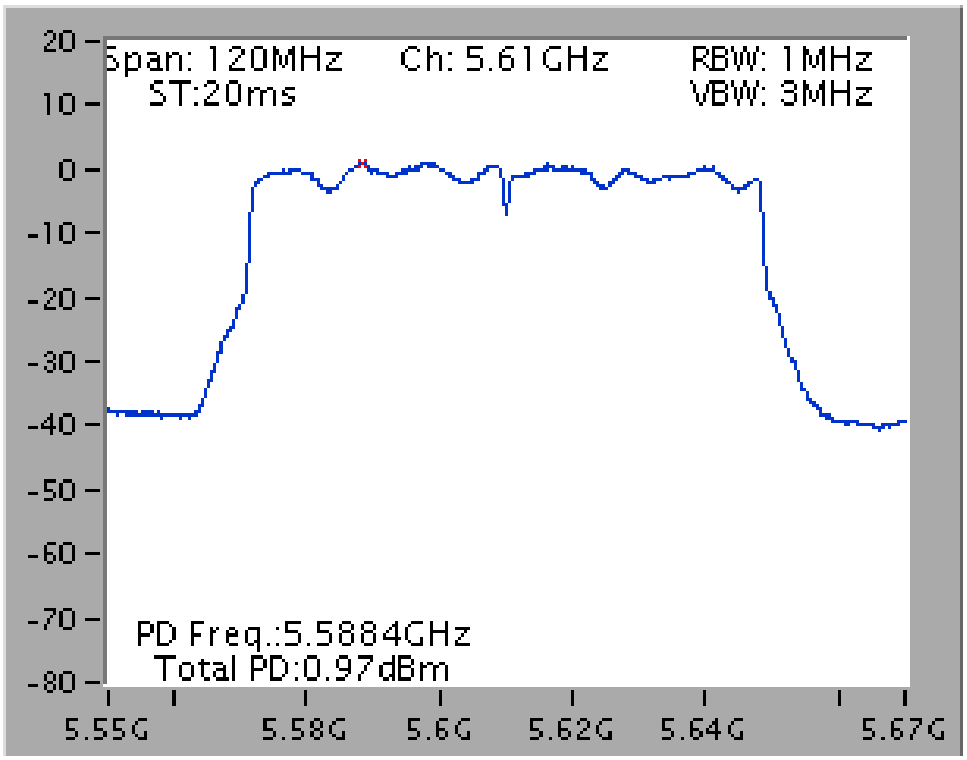
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5670 MHz



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

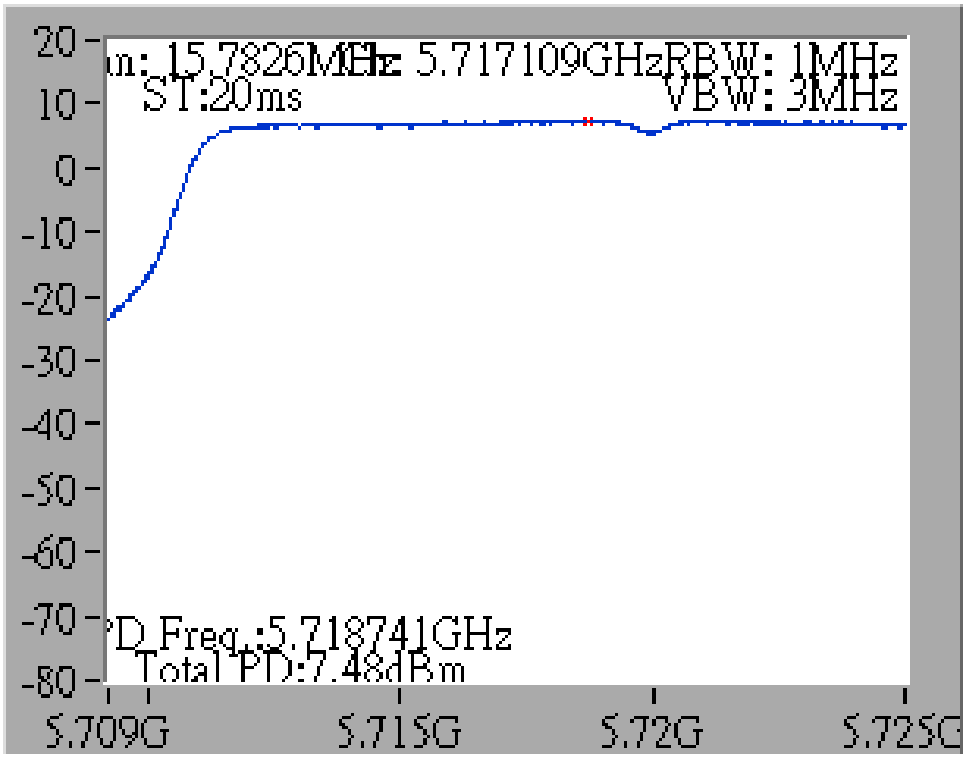


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

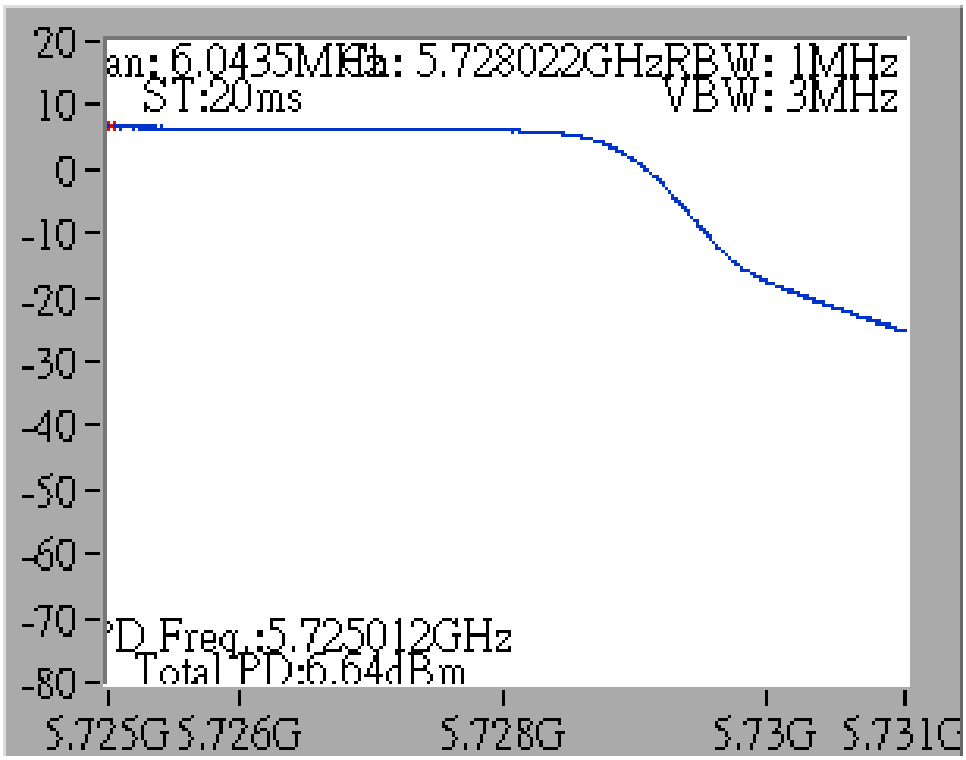


Straddle Channel

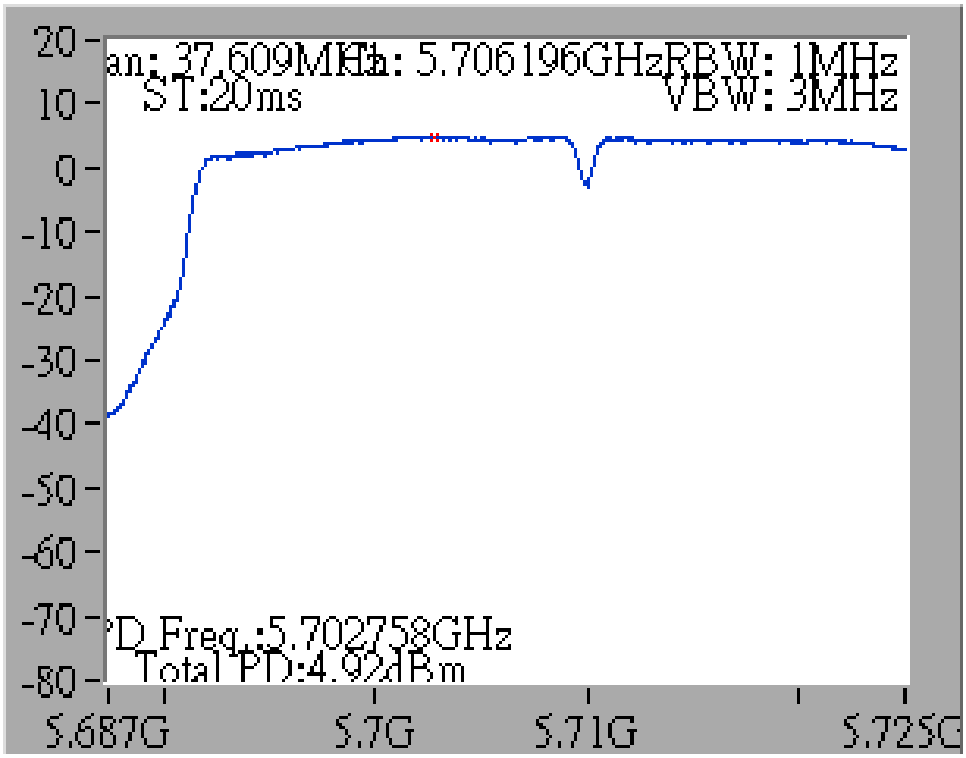
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



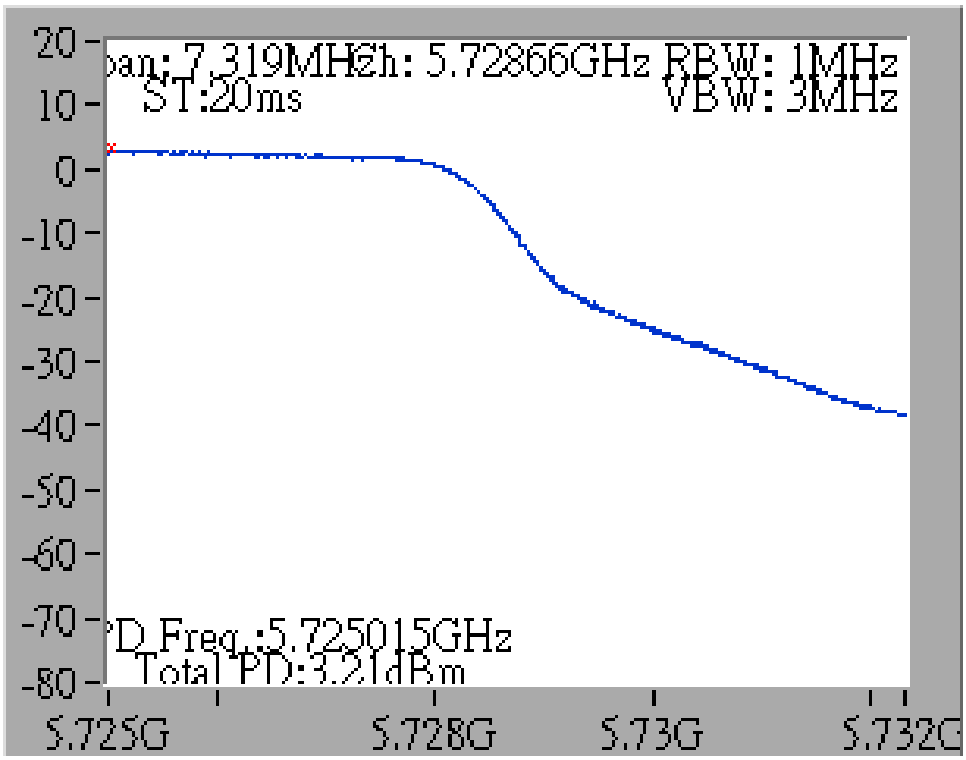
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



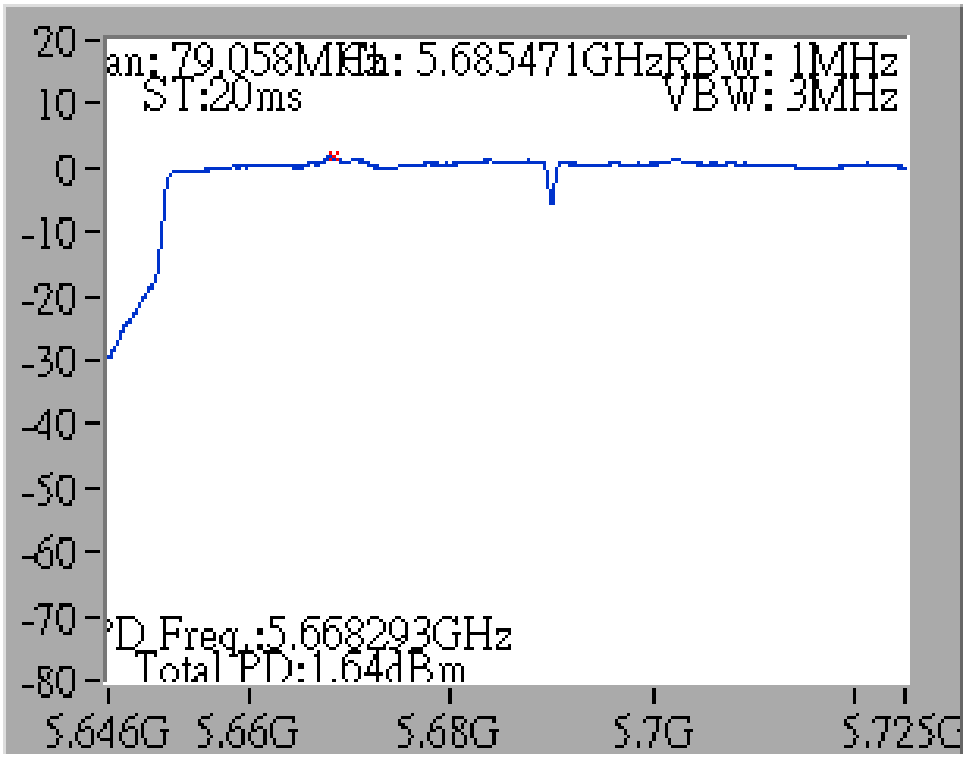
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



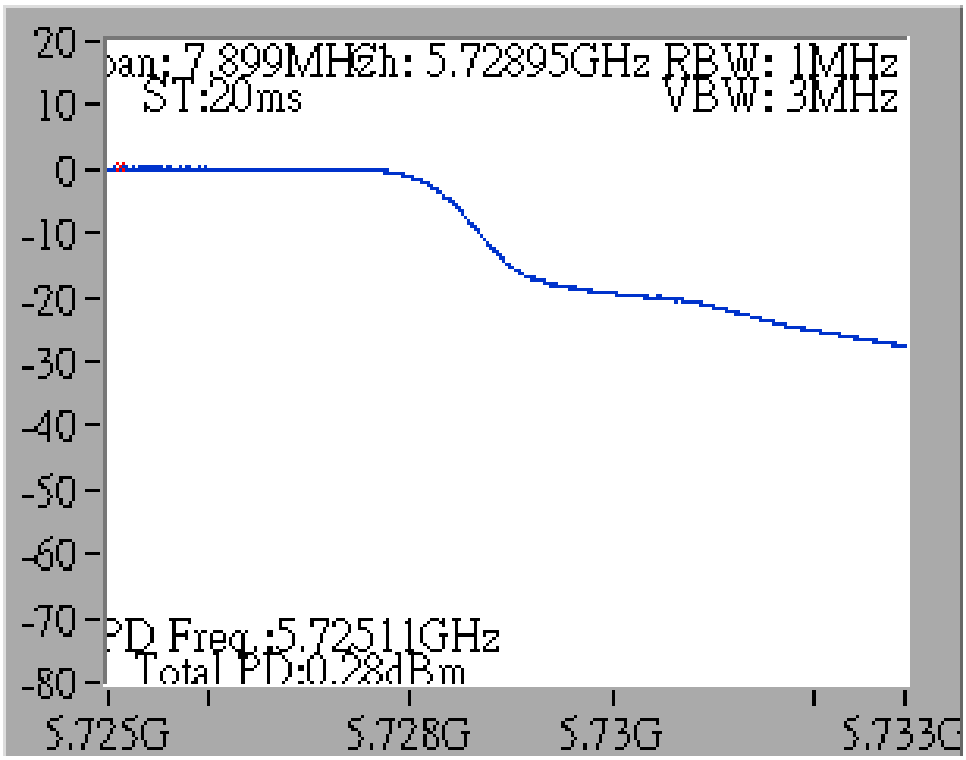
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



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

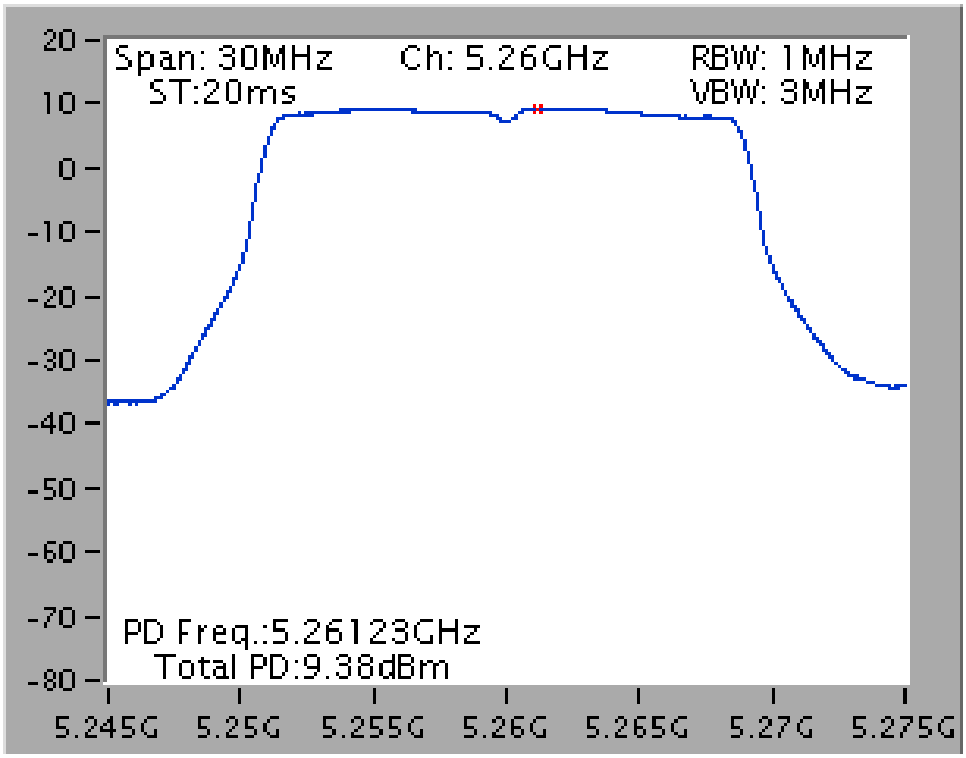


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

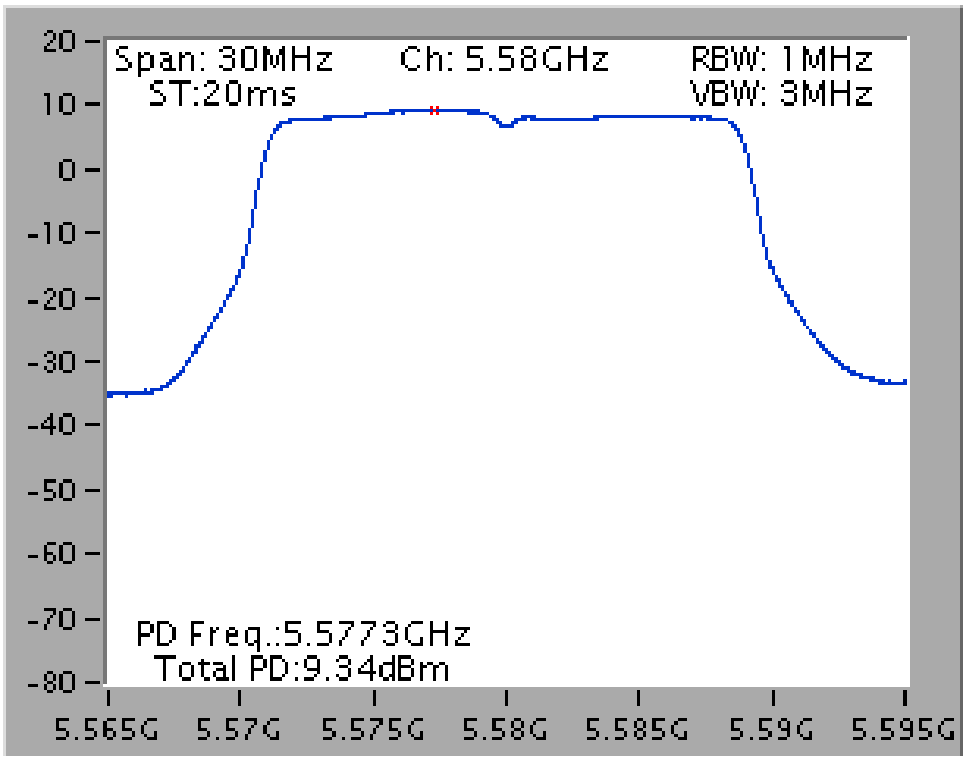


Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi

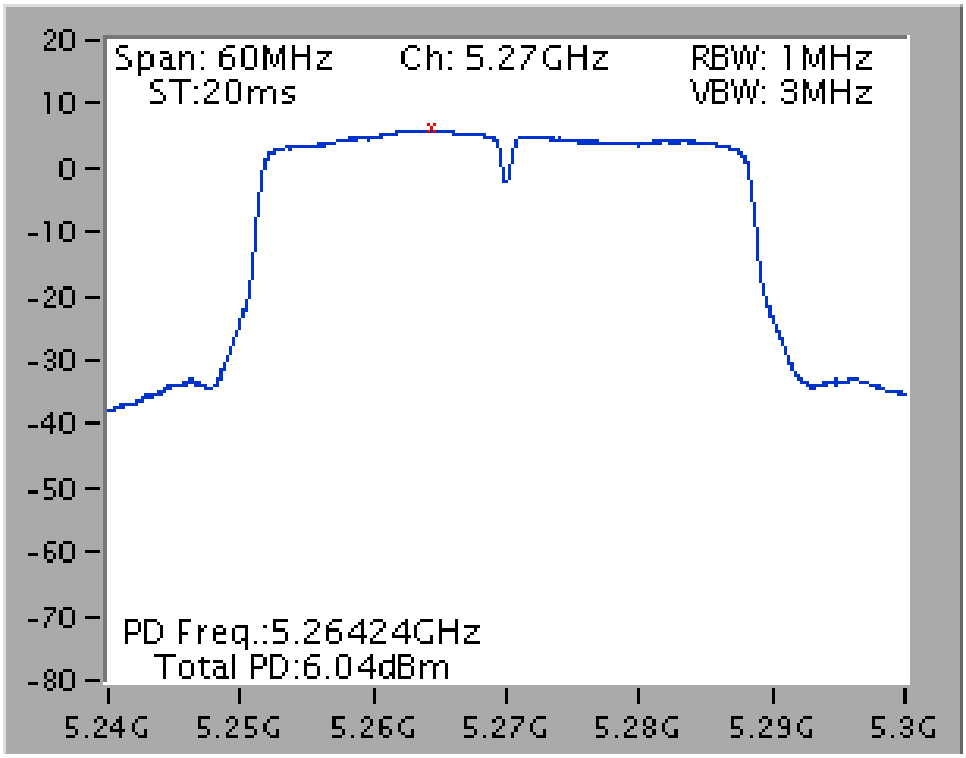
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



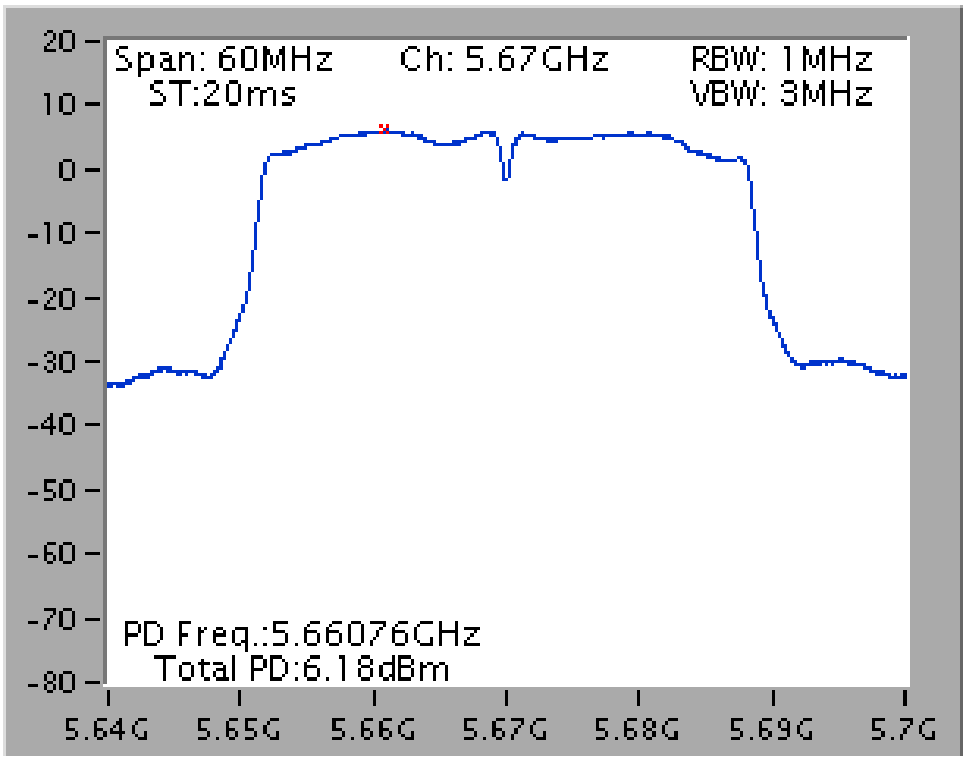
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5580 MHz



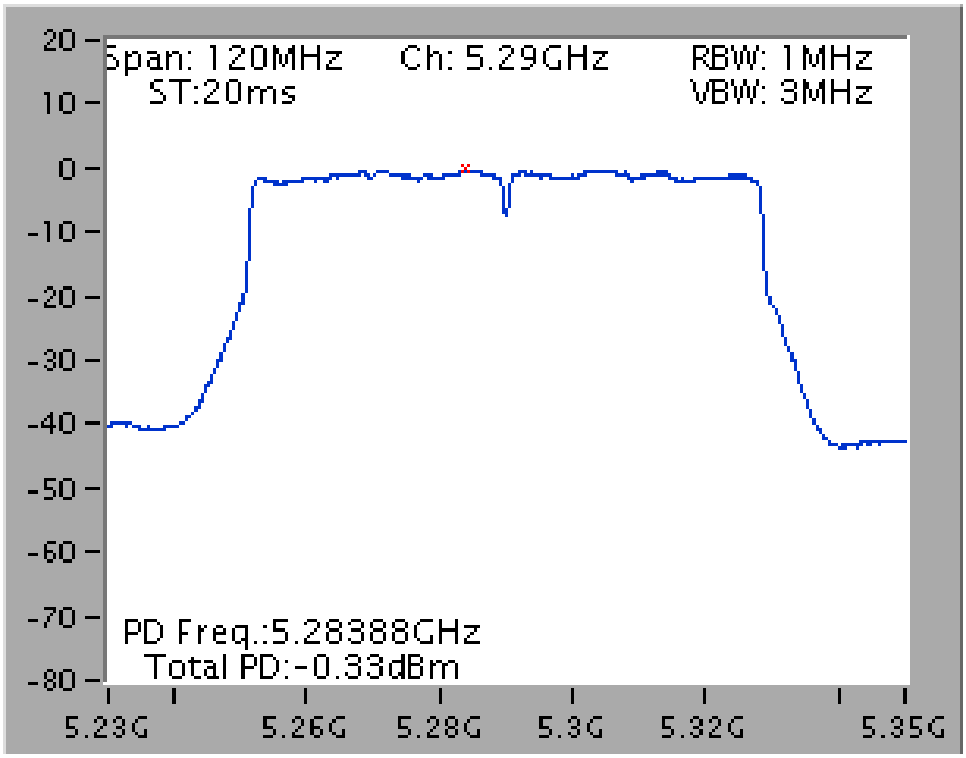
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



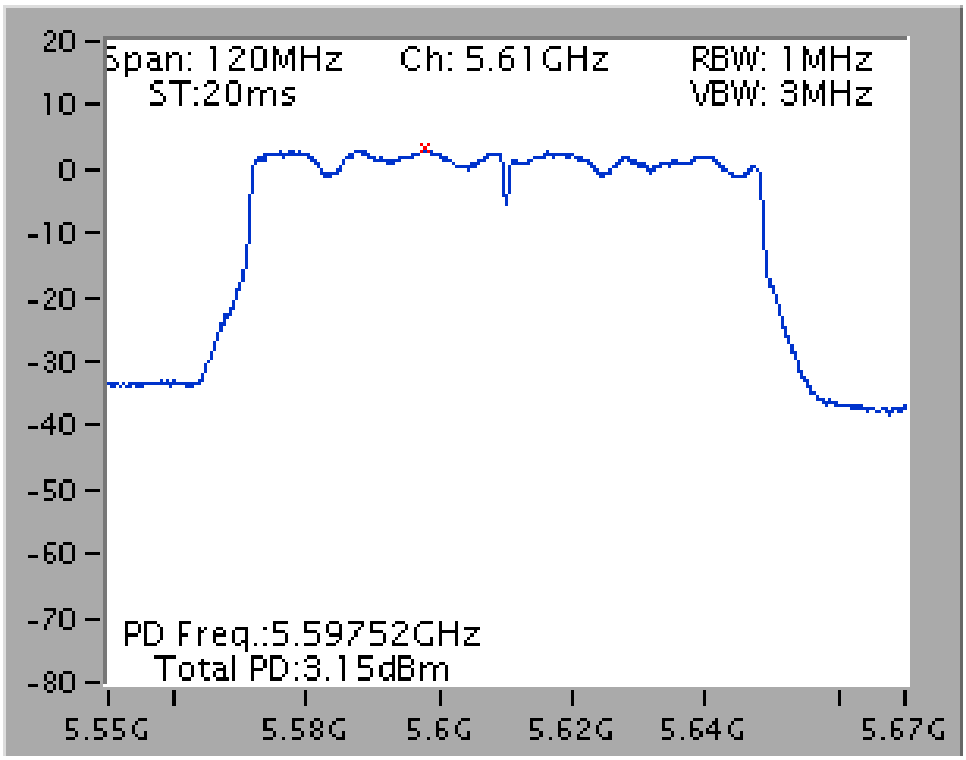
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5670 MHz



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

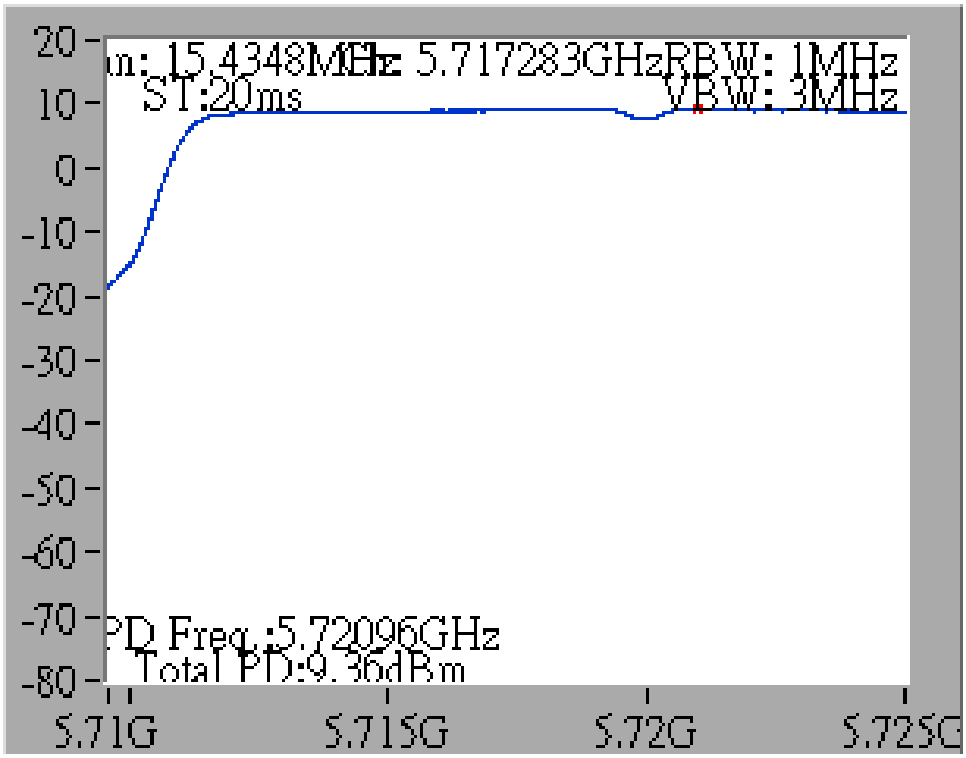


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

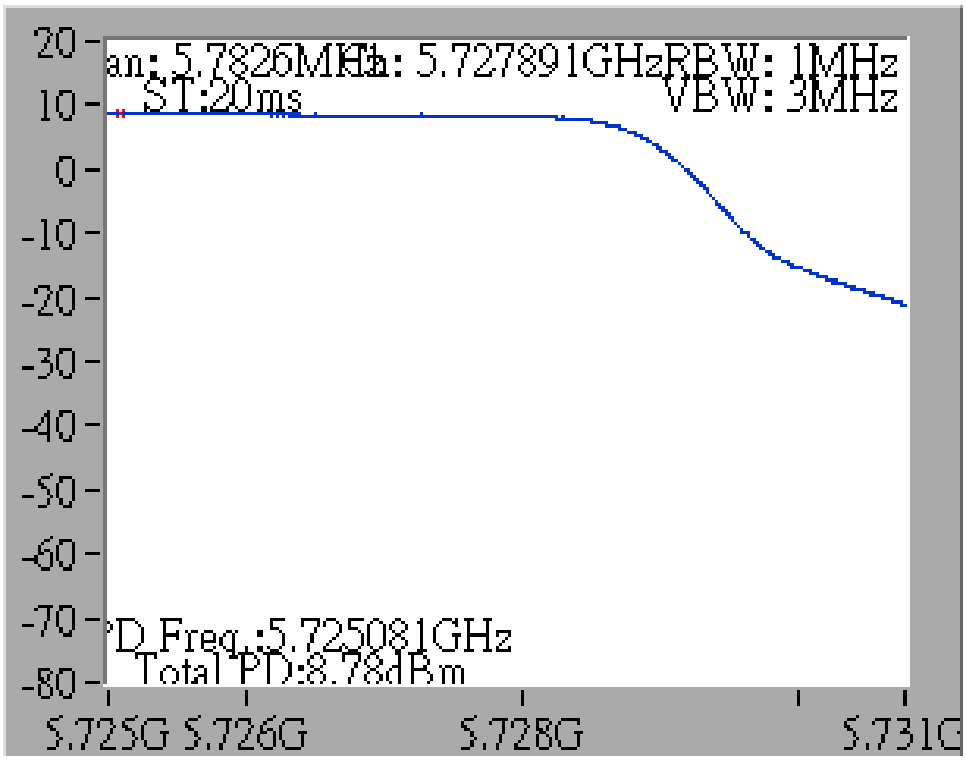


Straddle Channel

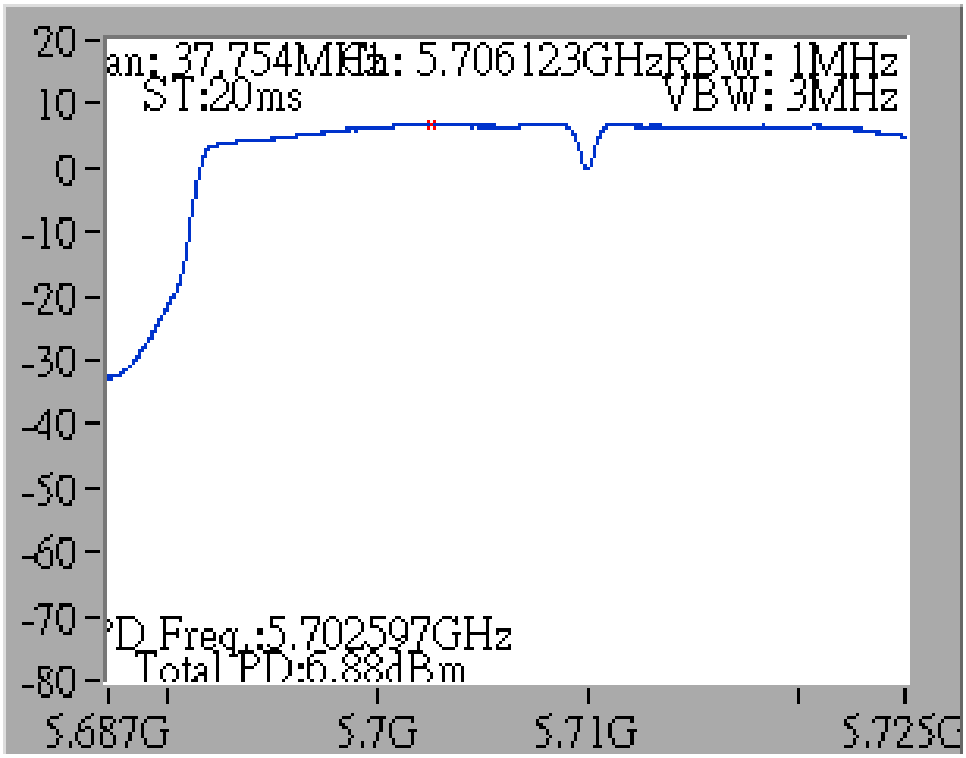
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



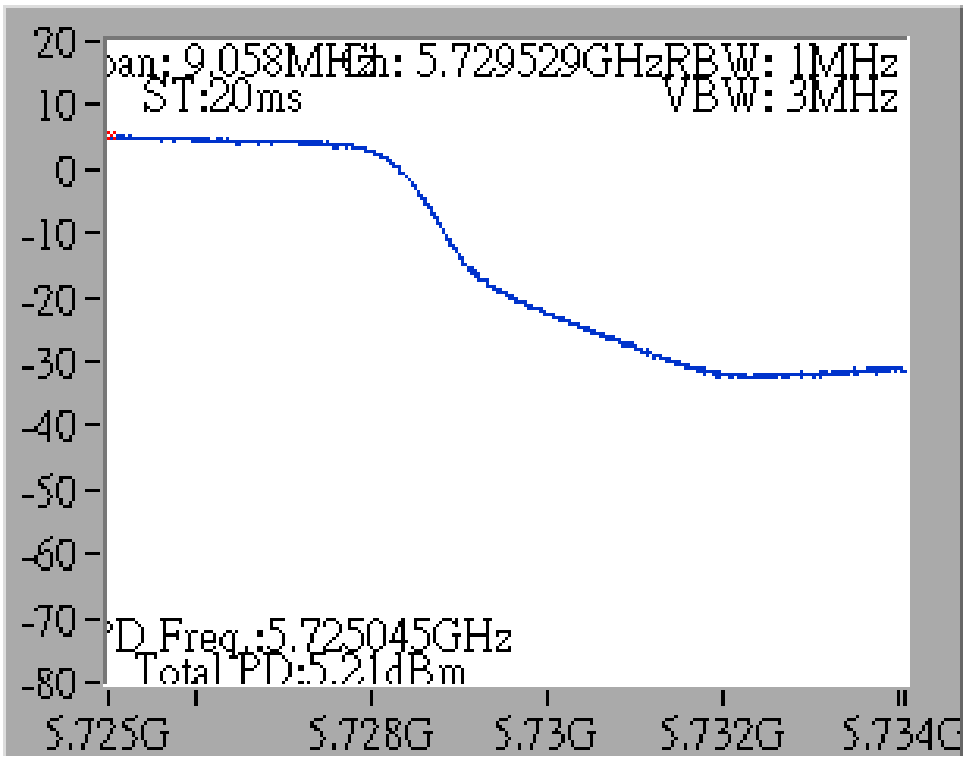
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



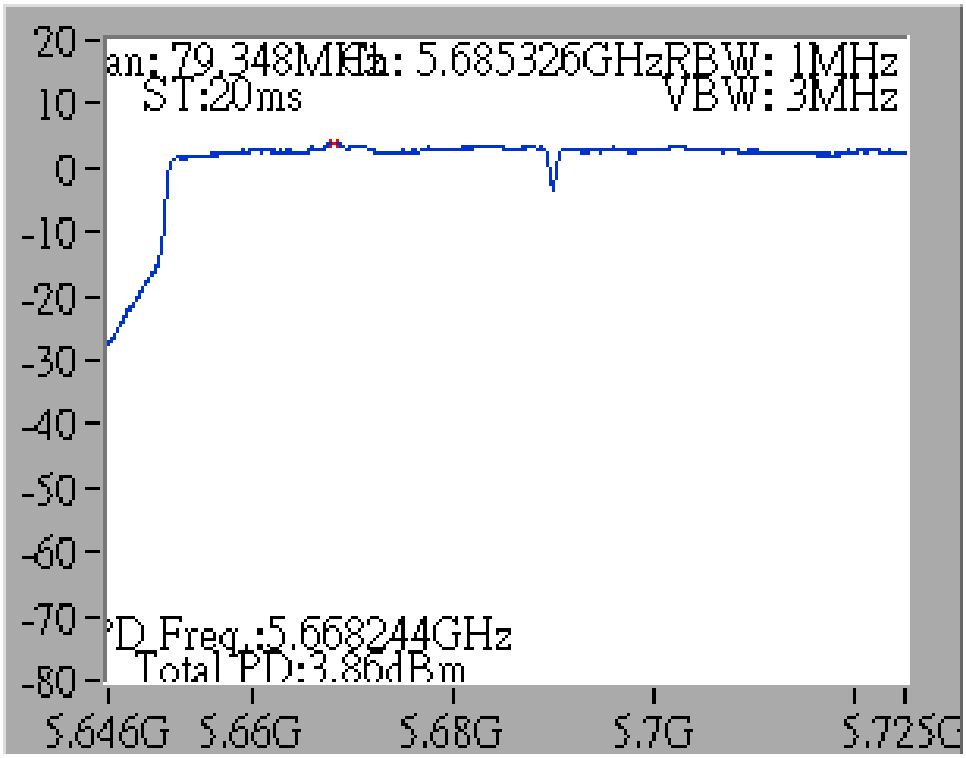
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



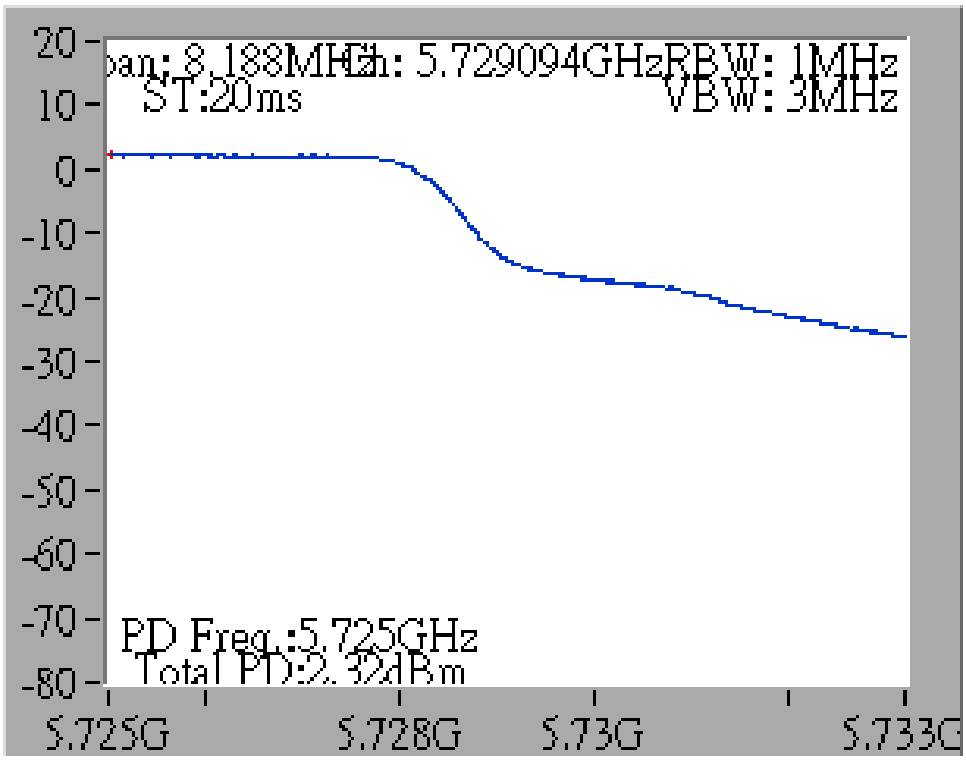
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



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

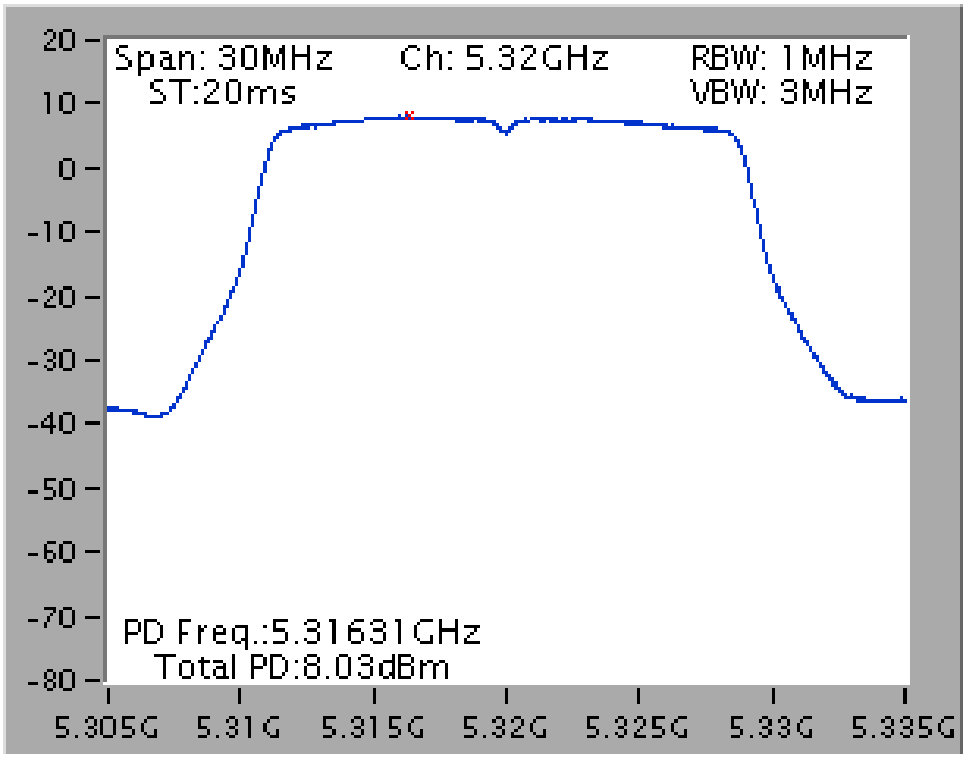


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

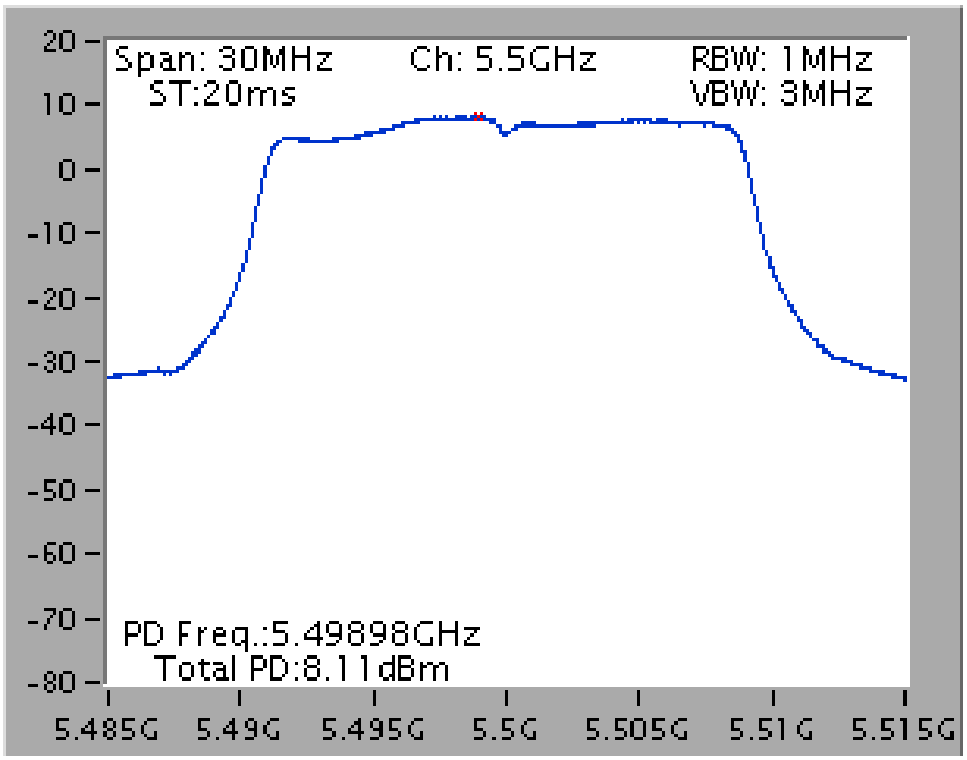


Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi

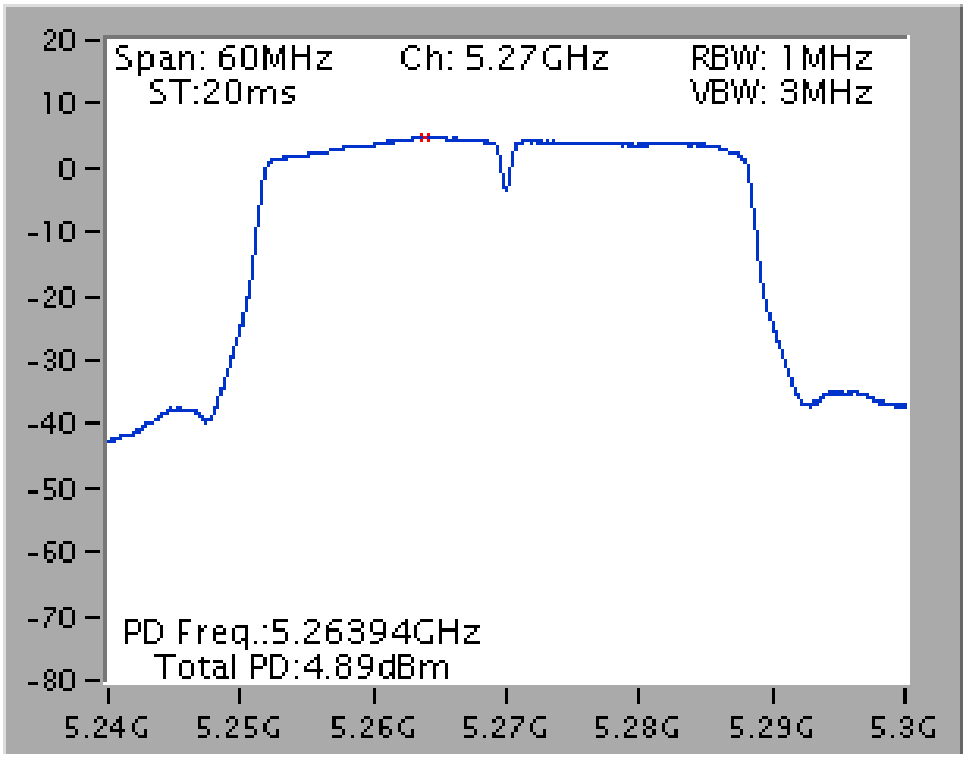
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5320 MHz



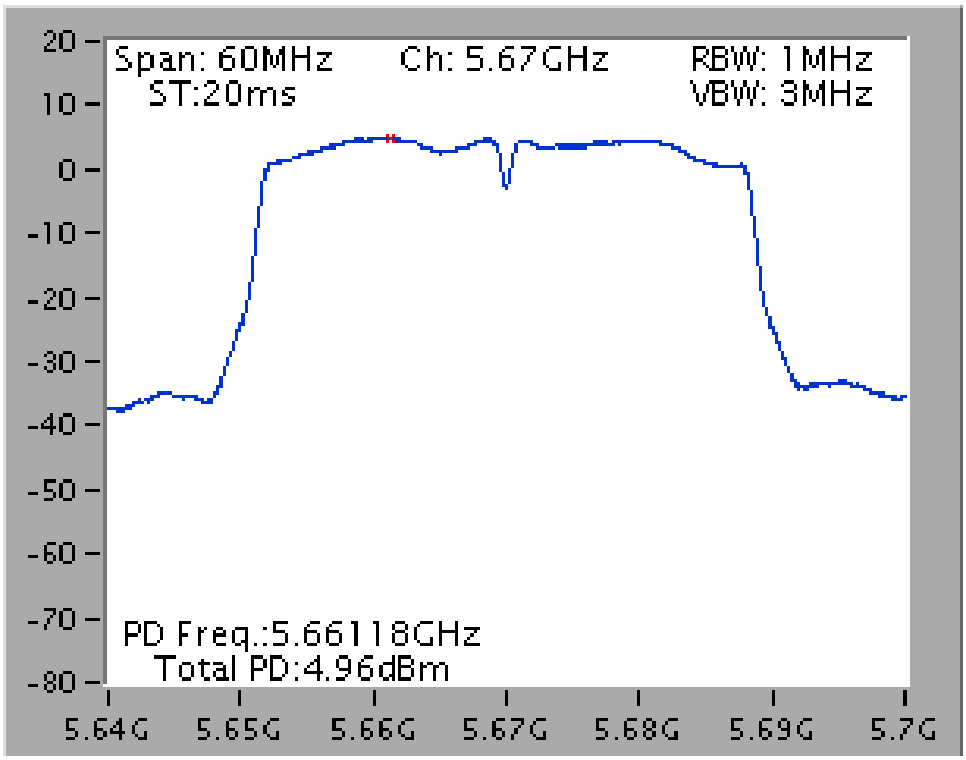
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5500 MHz



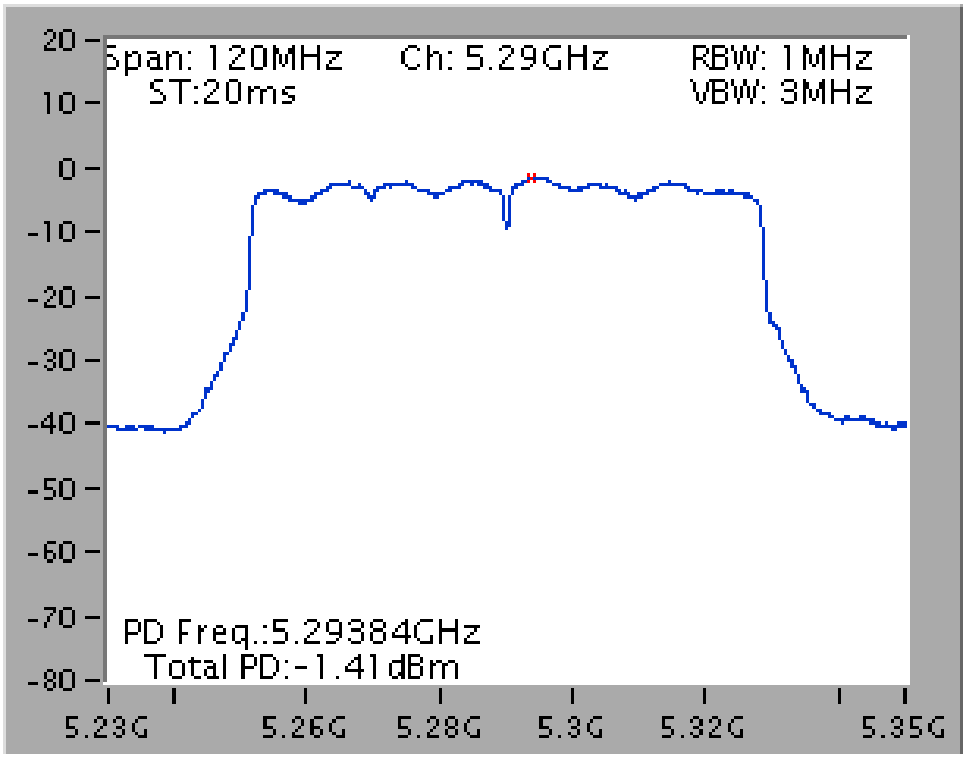
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



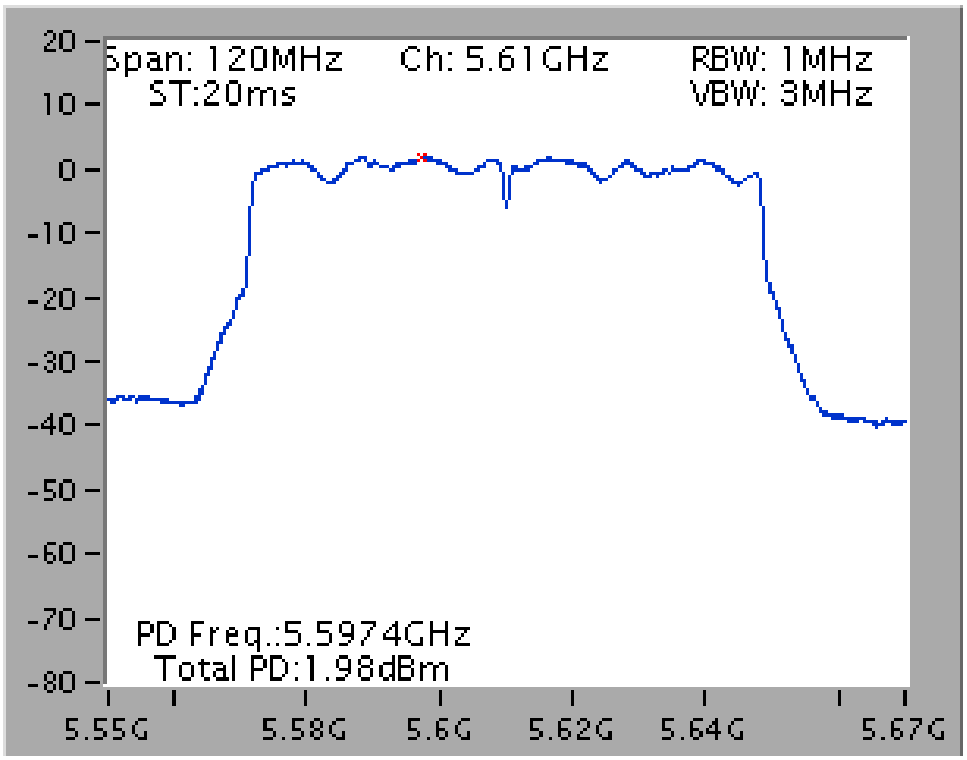
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5670 MHz



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

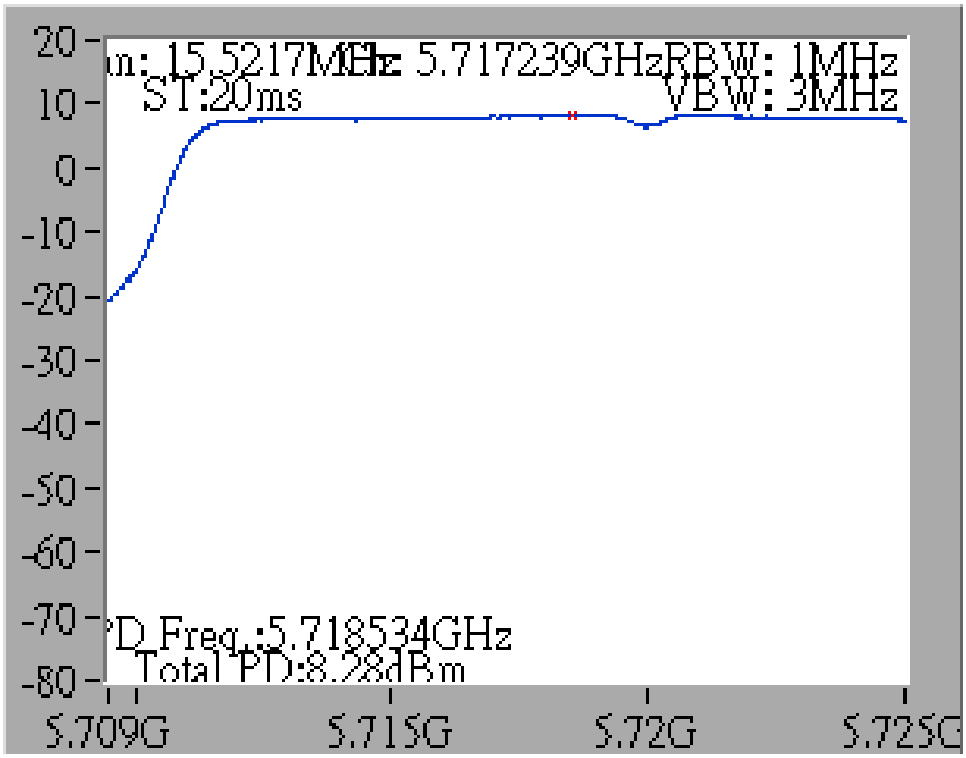


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

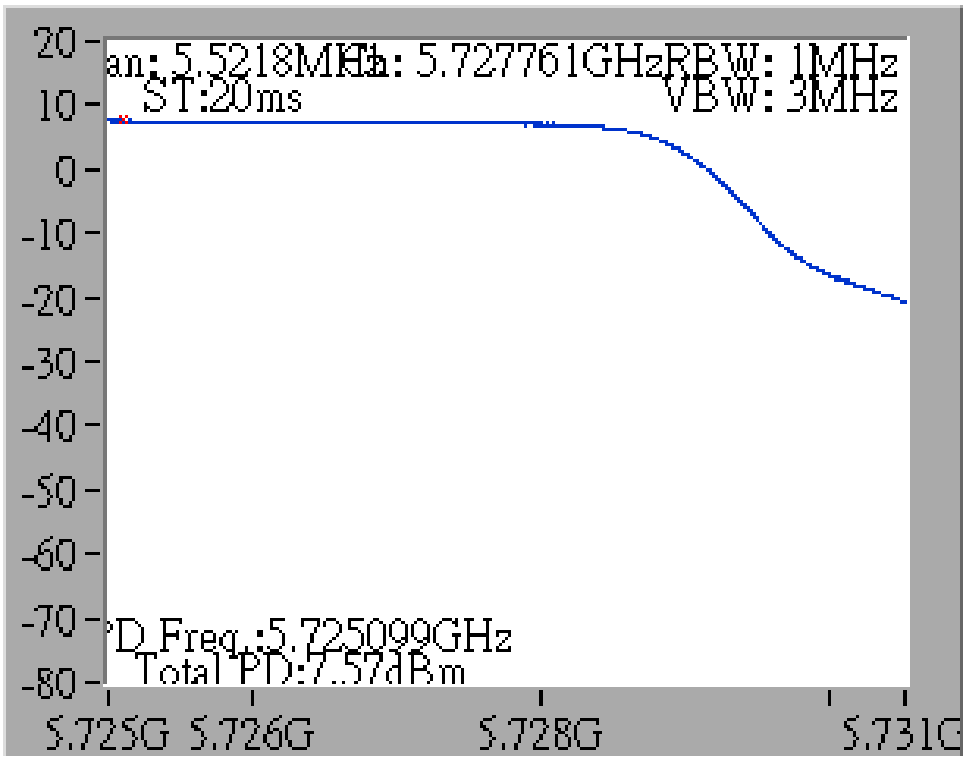


Straddle Channel

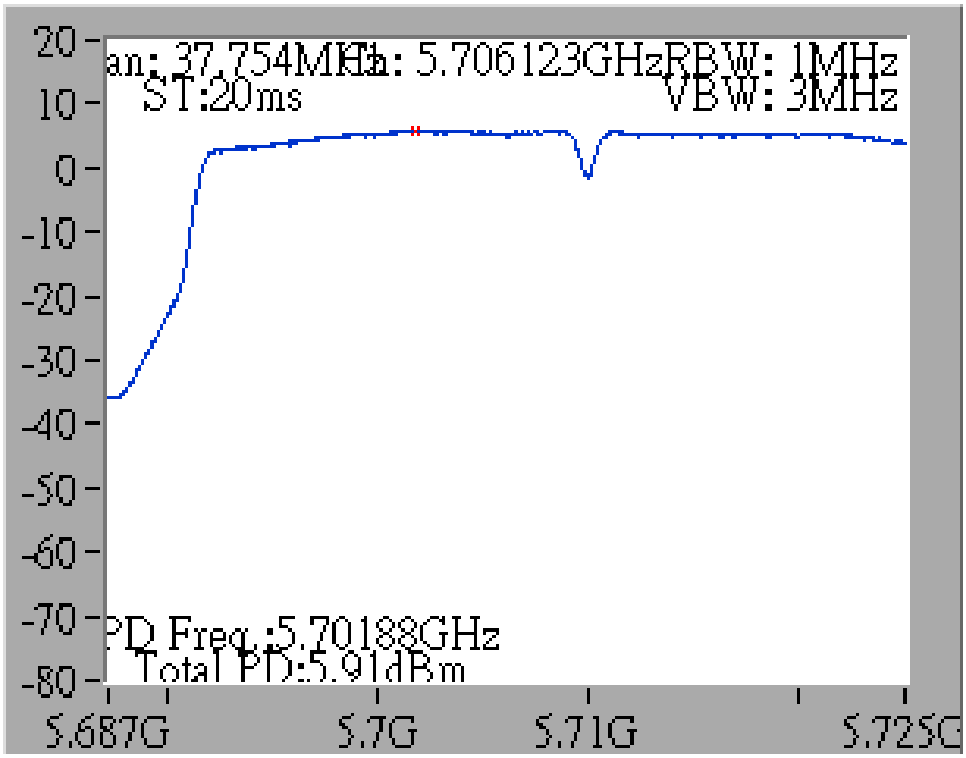
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



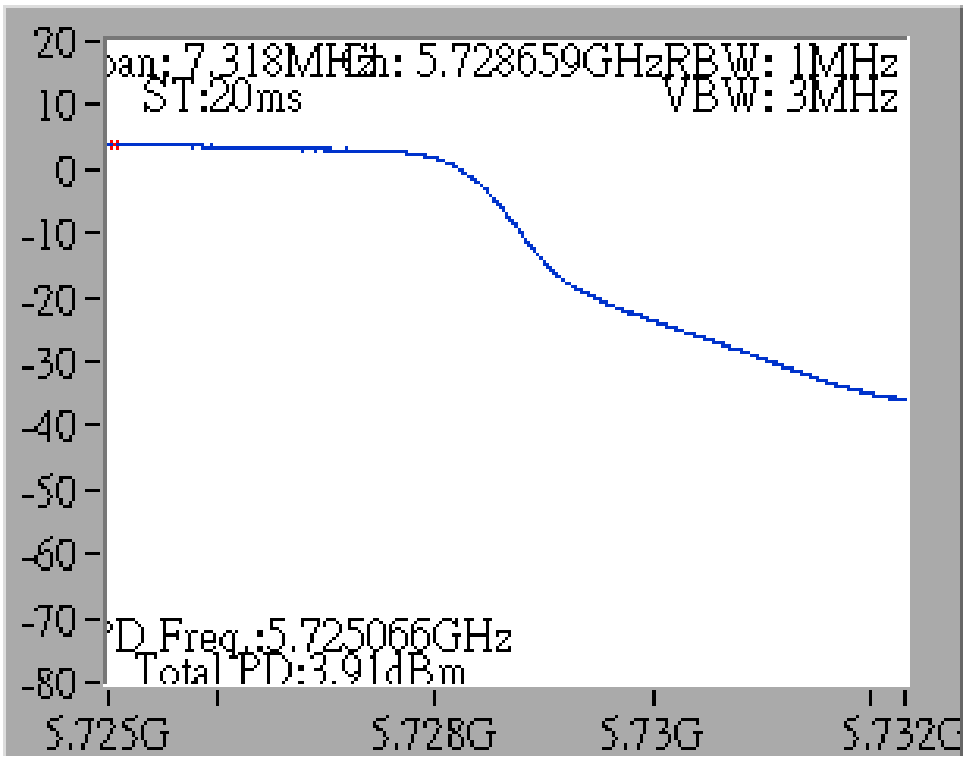
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



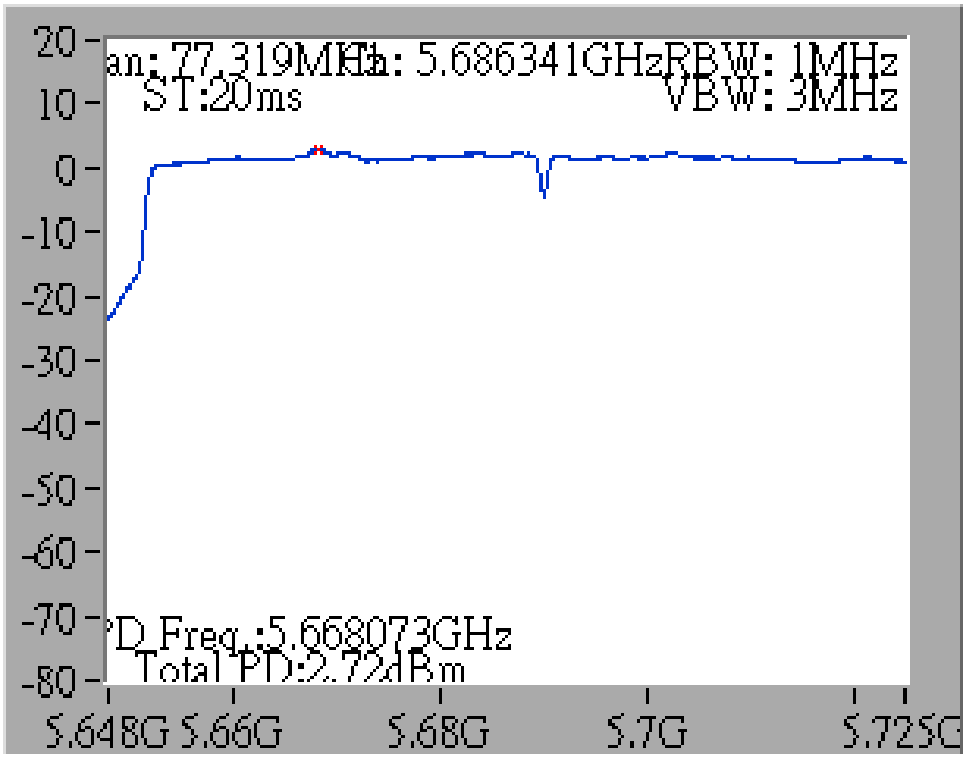
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



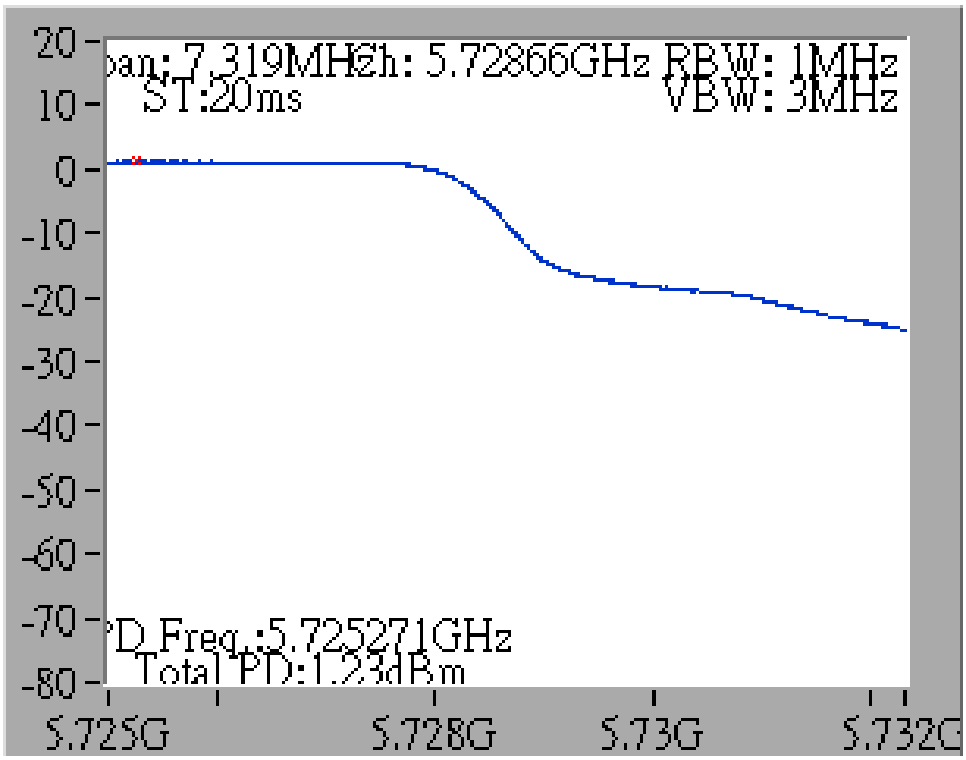
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



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

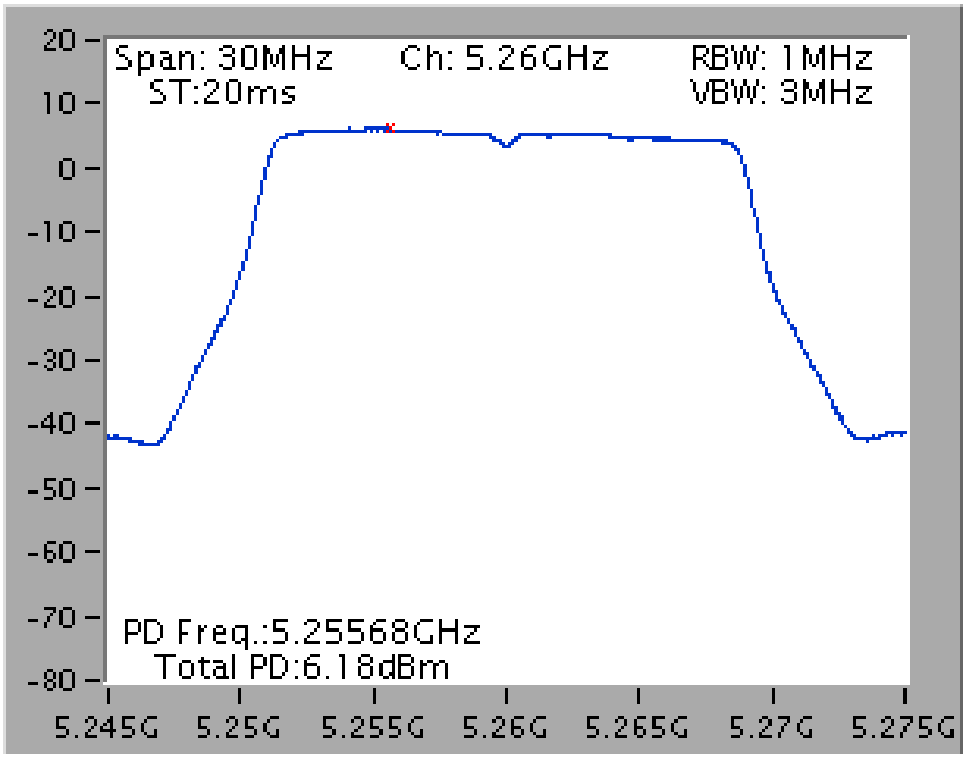


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

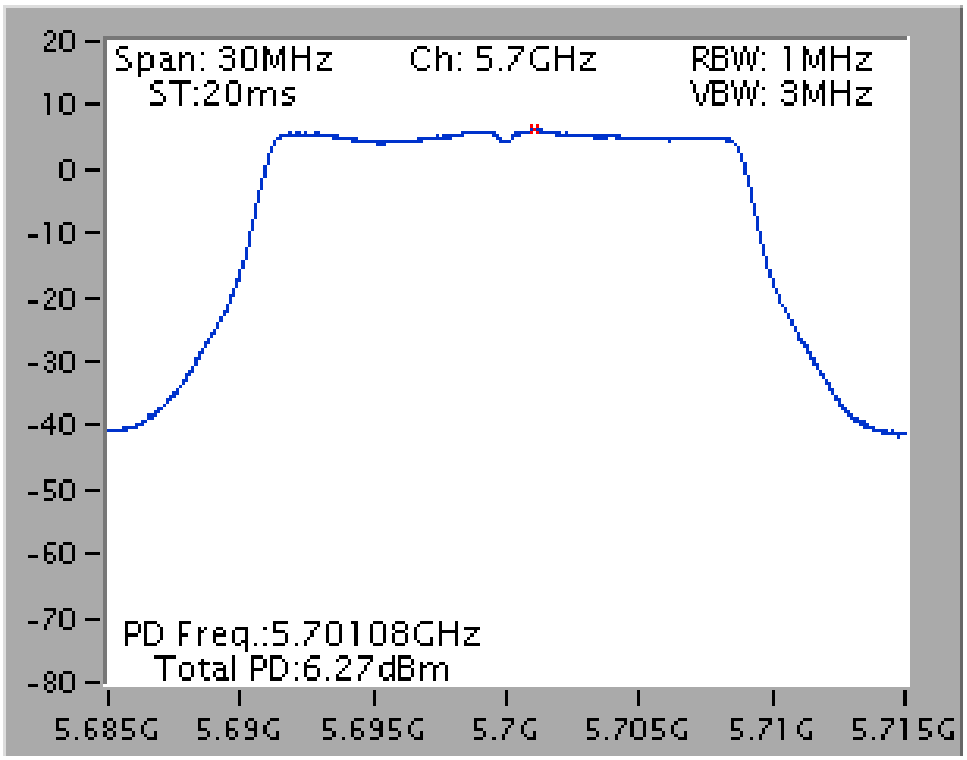


Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi

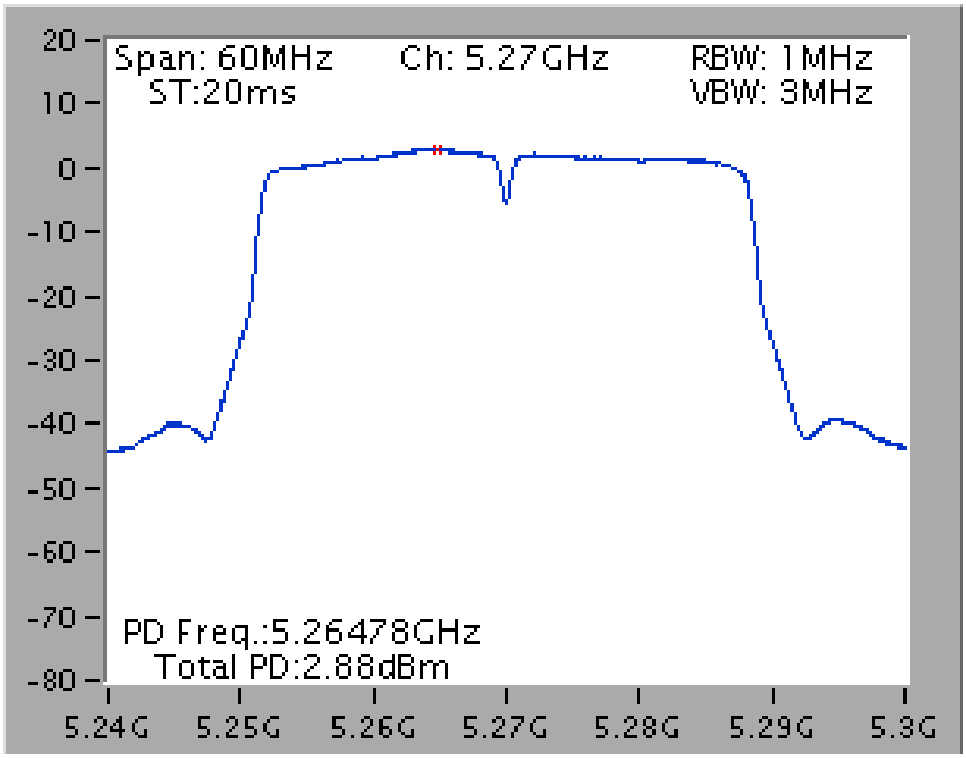
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



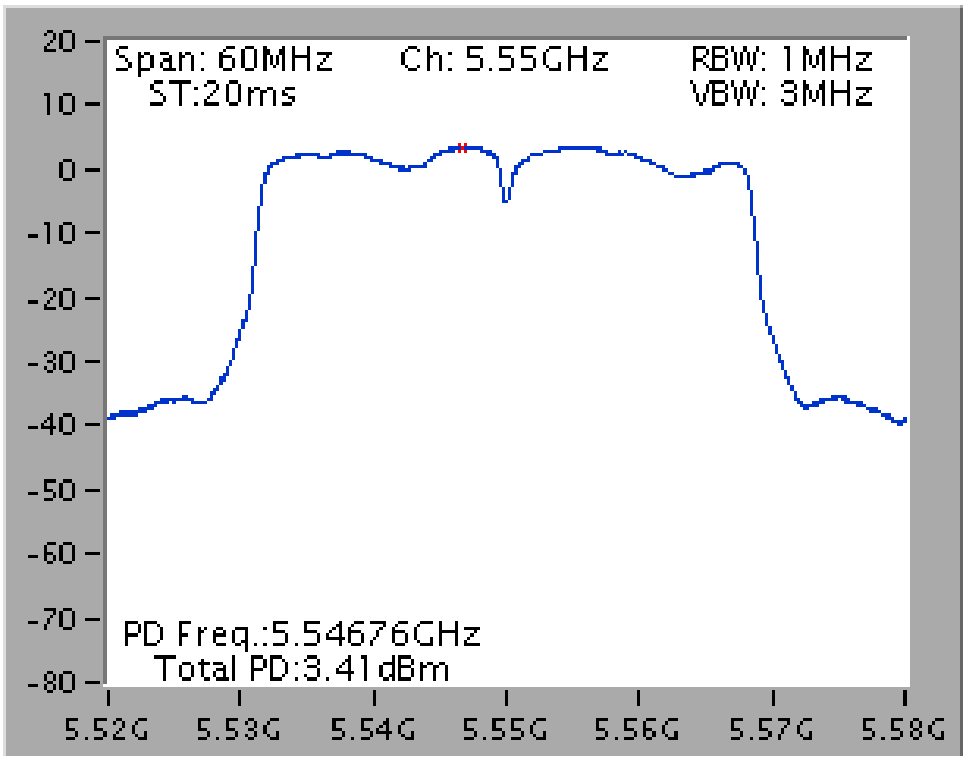
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5700 MHz



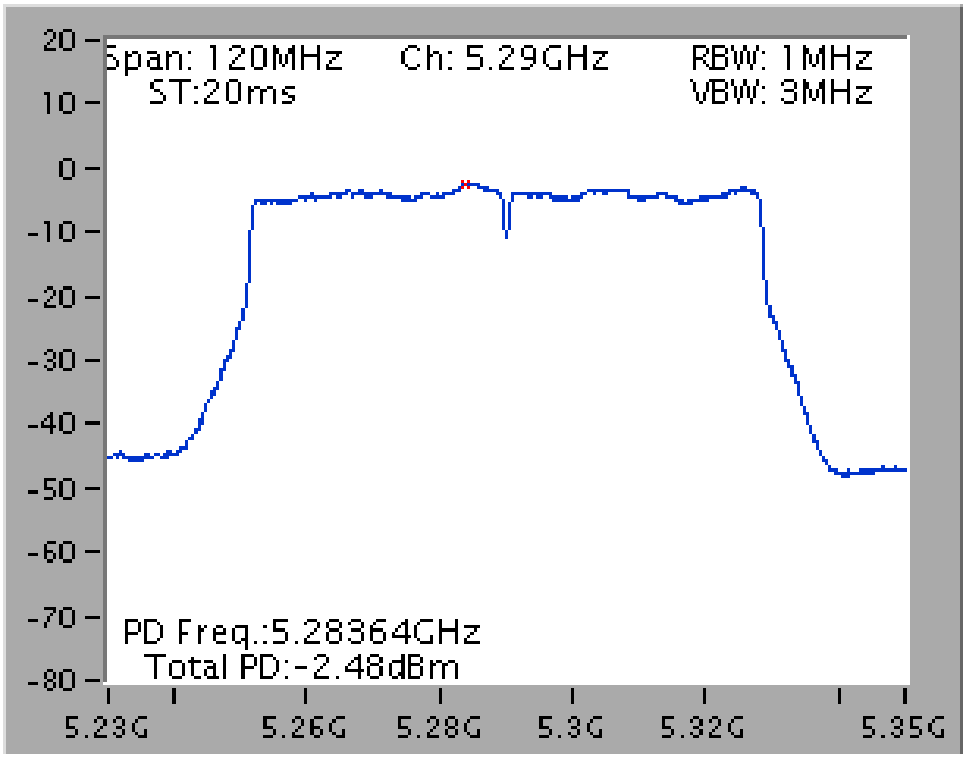
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



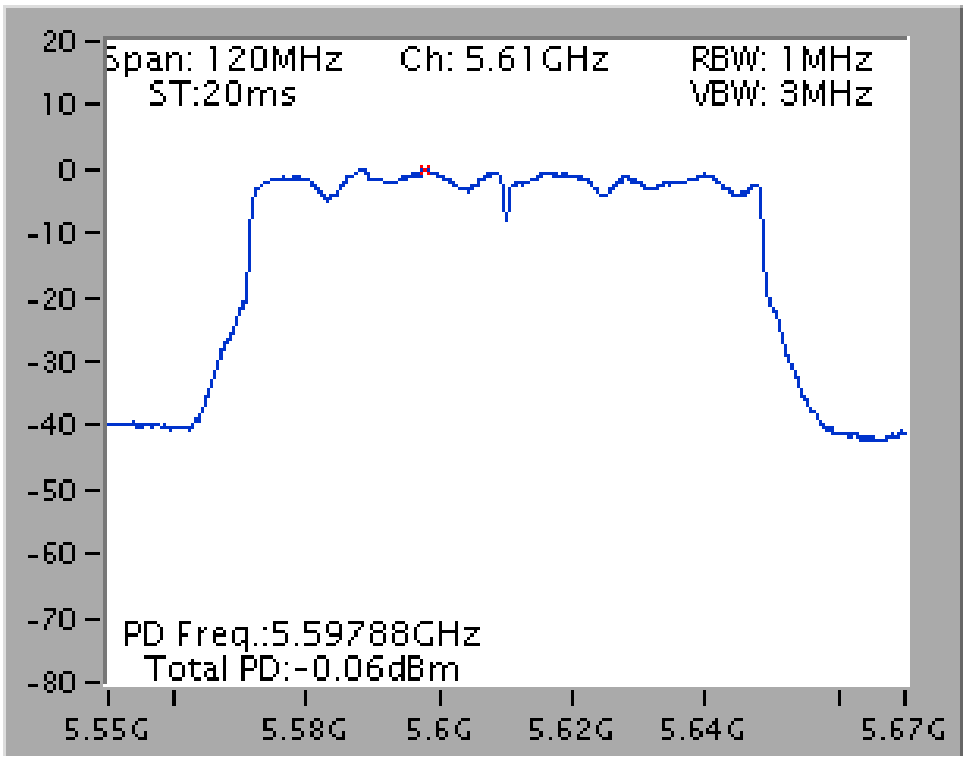
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5550 MHz



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

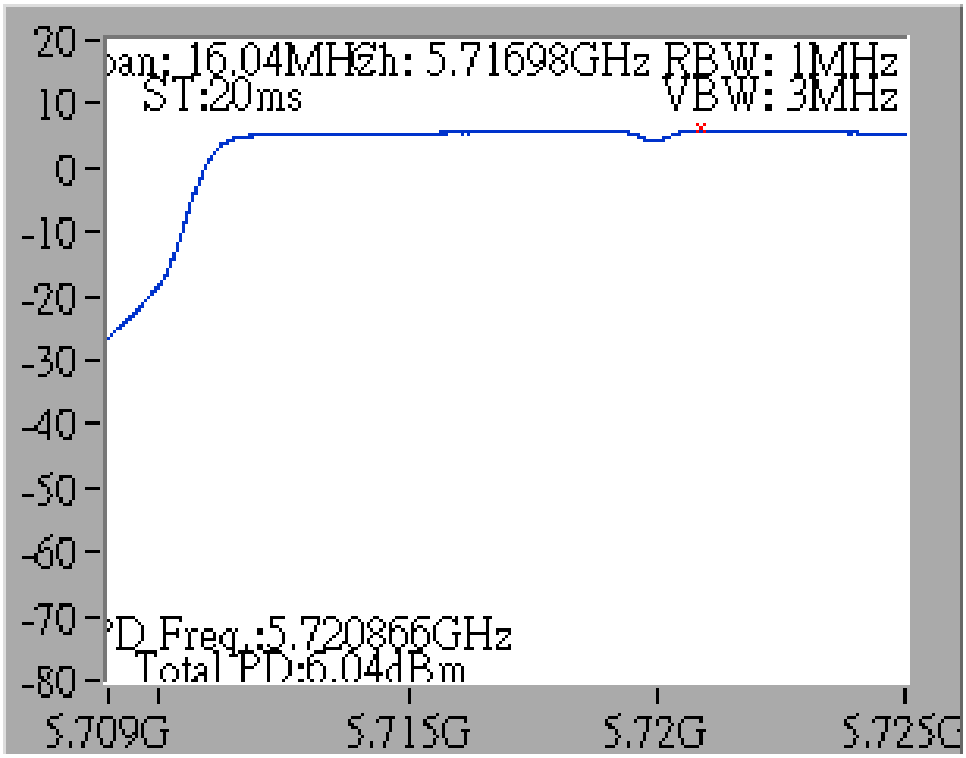


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

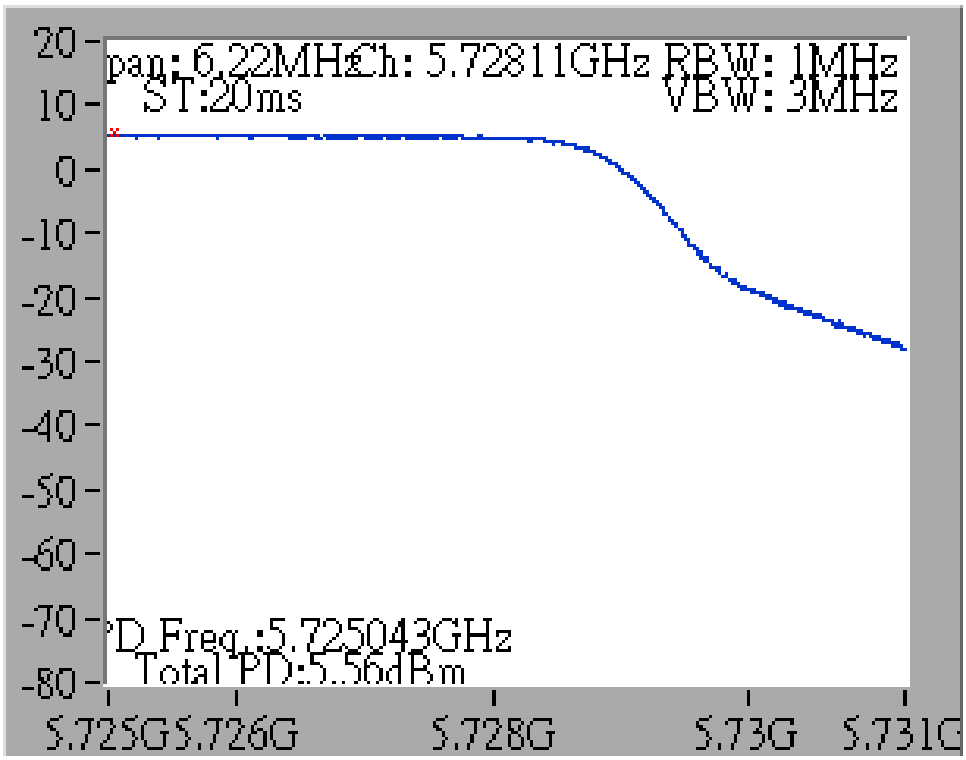


Straddle Channel

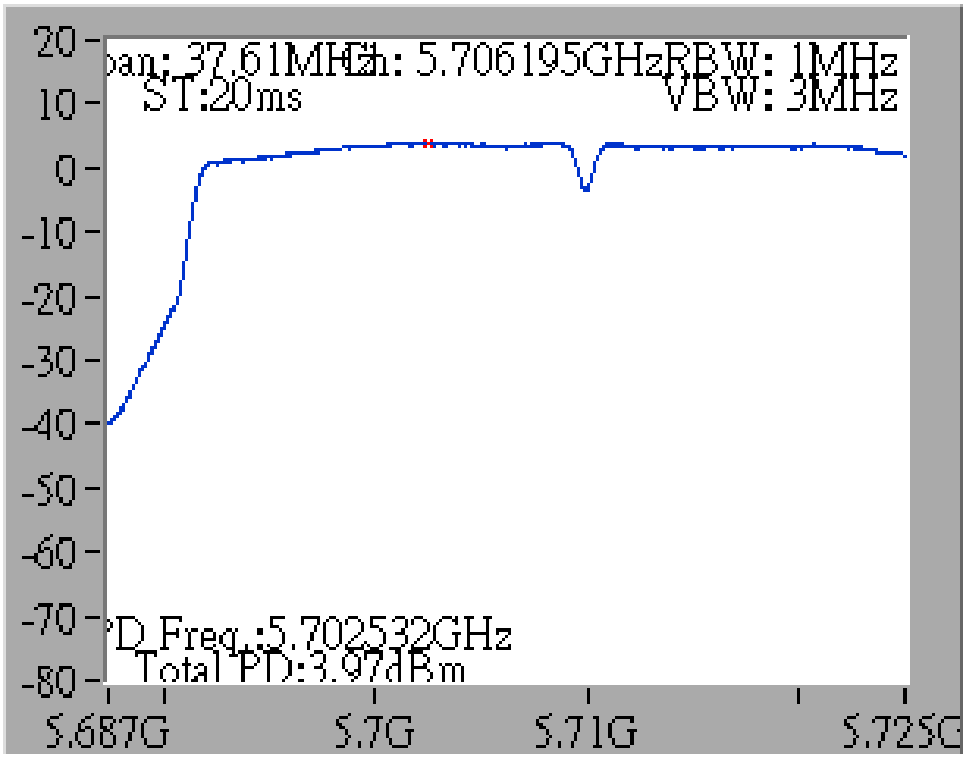
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



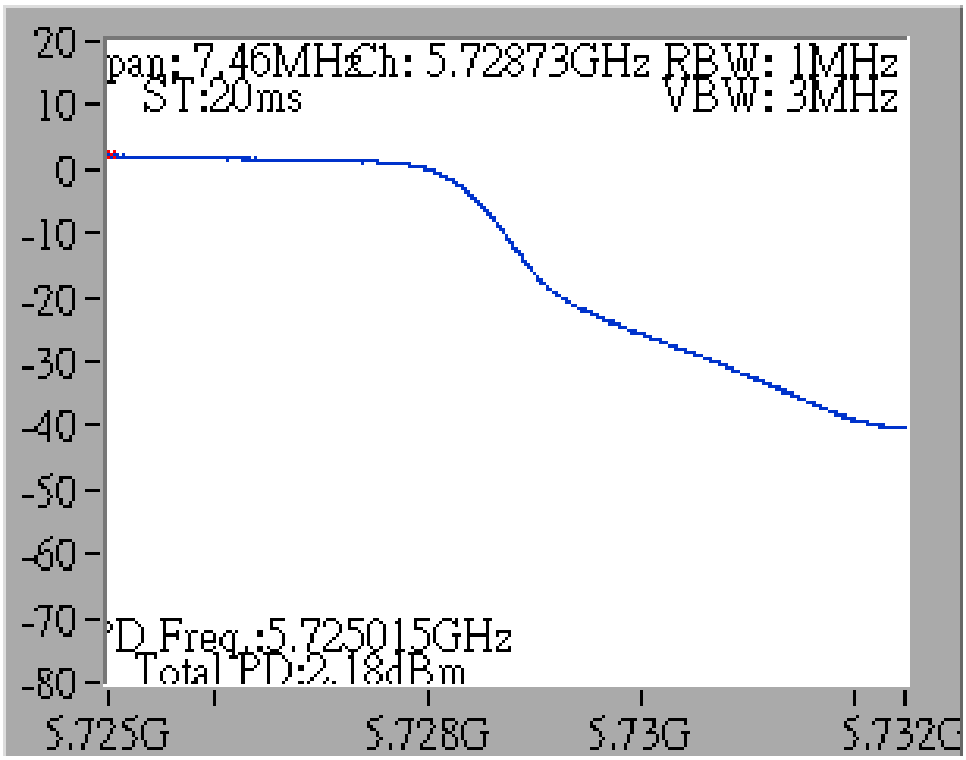
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



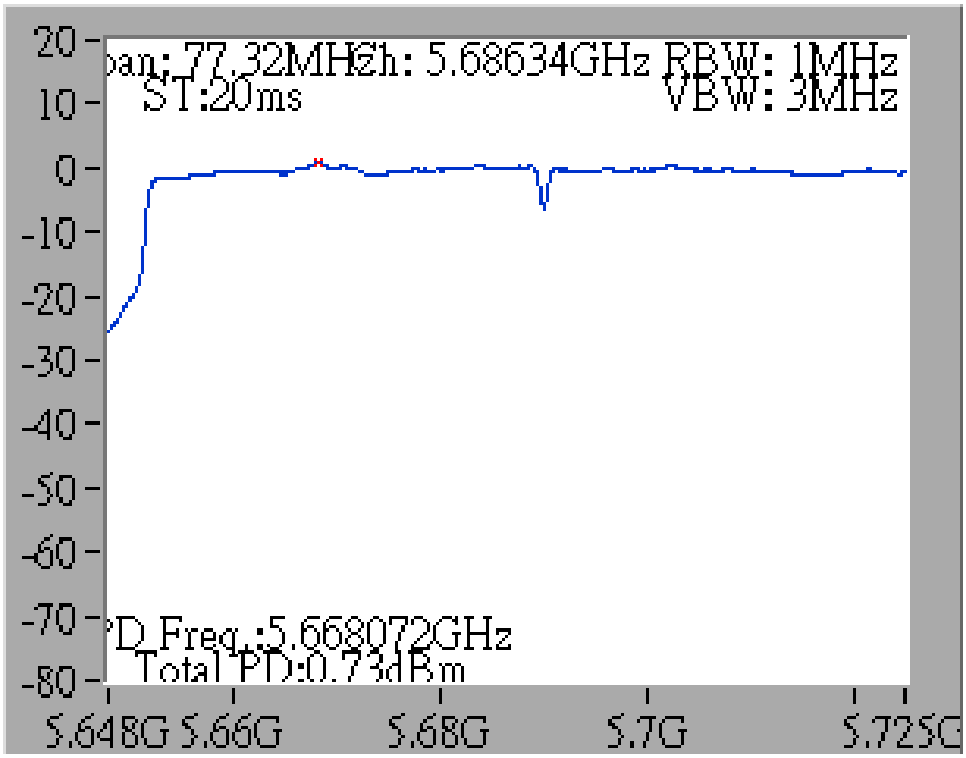
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



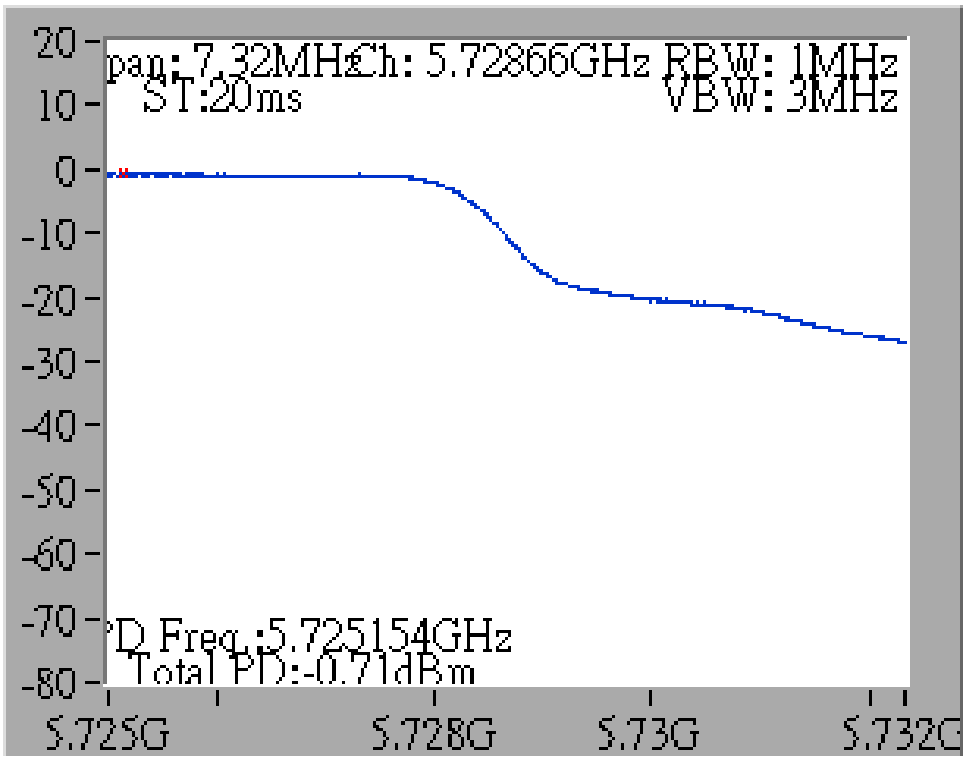
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



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

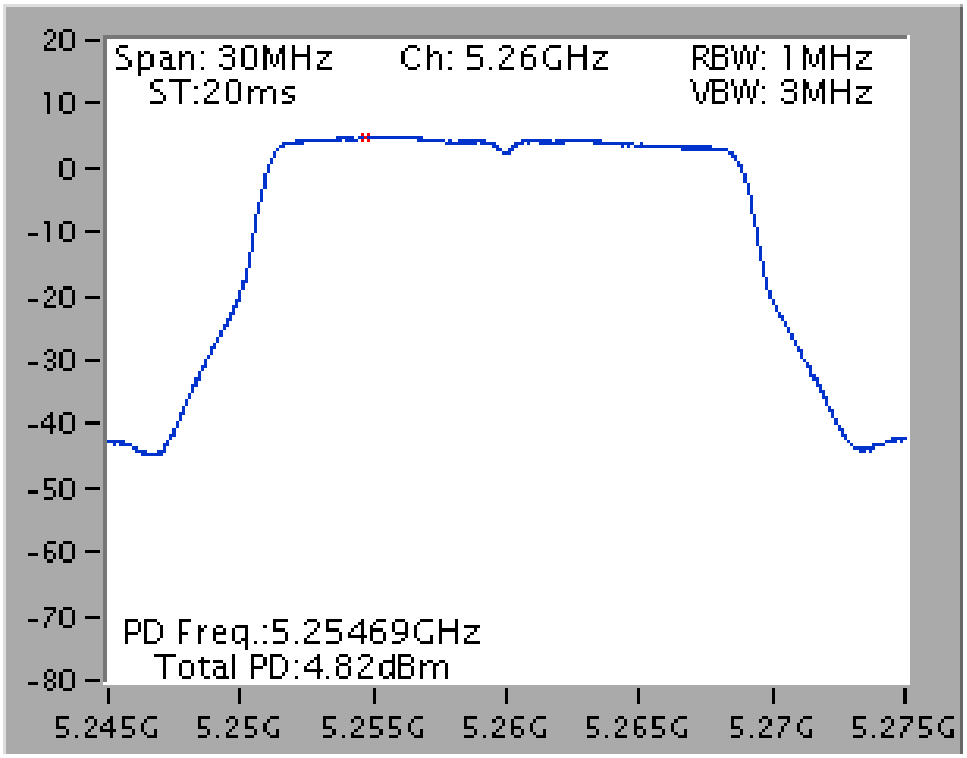


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

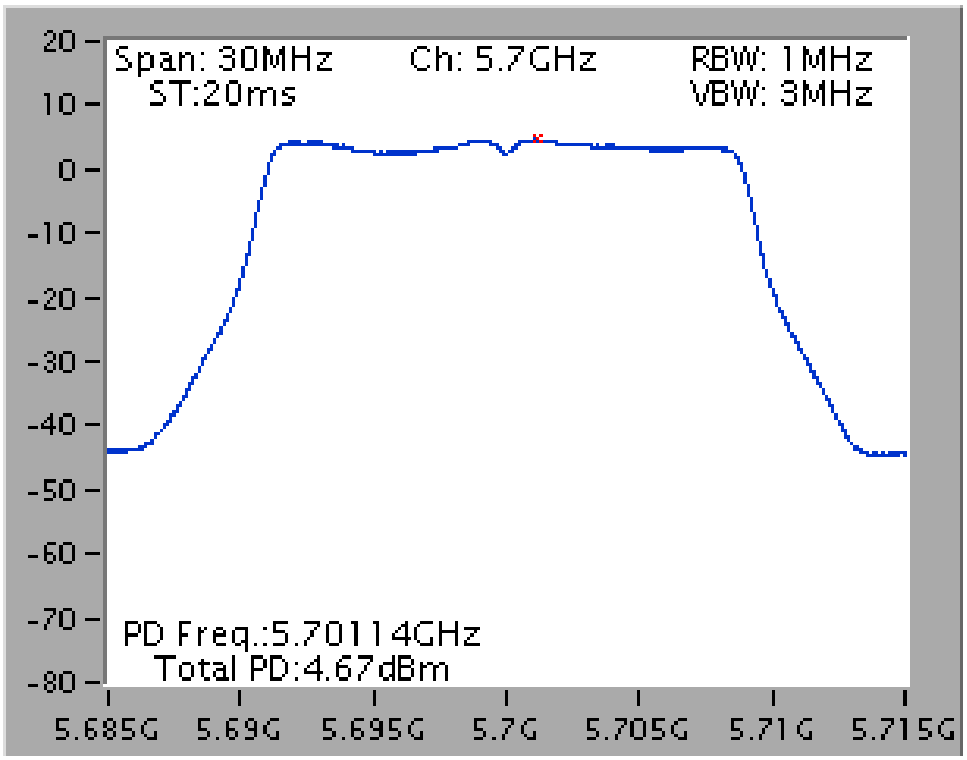


Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi

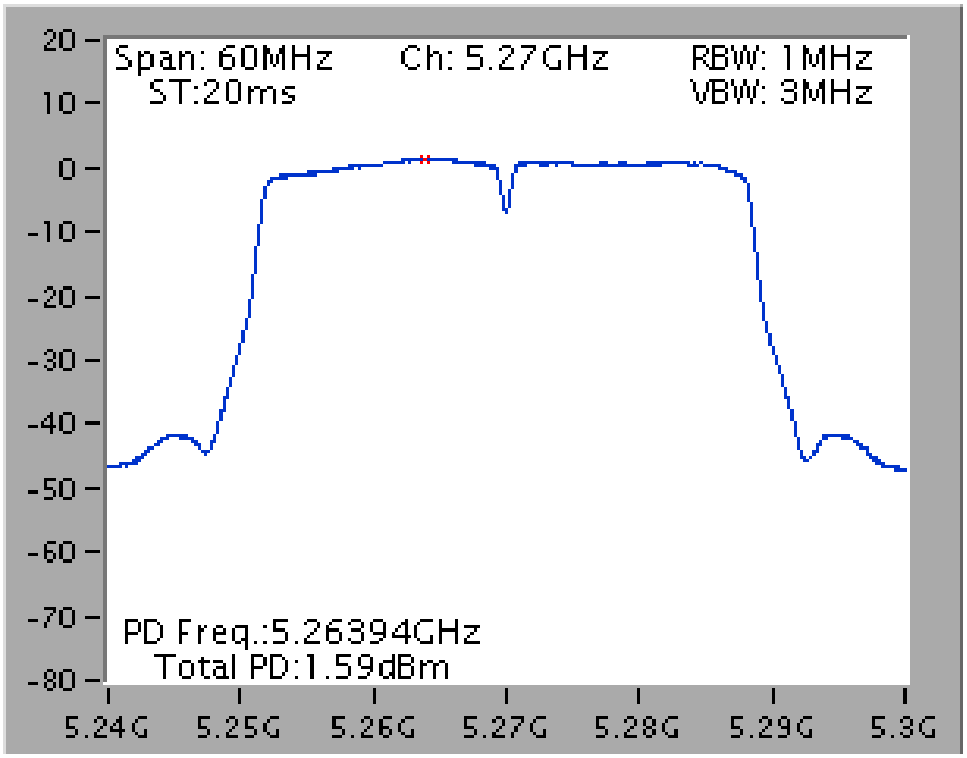
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



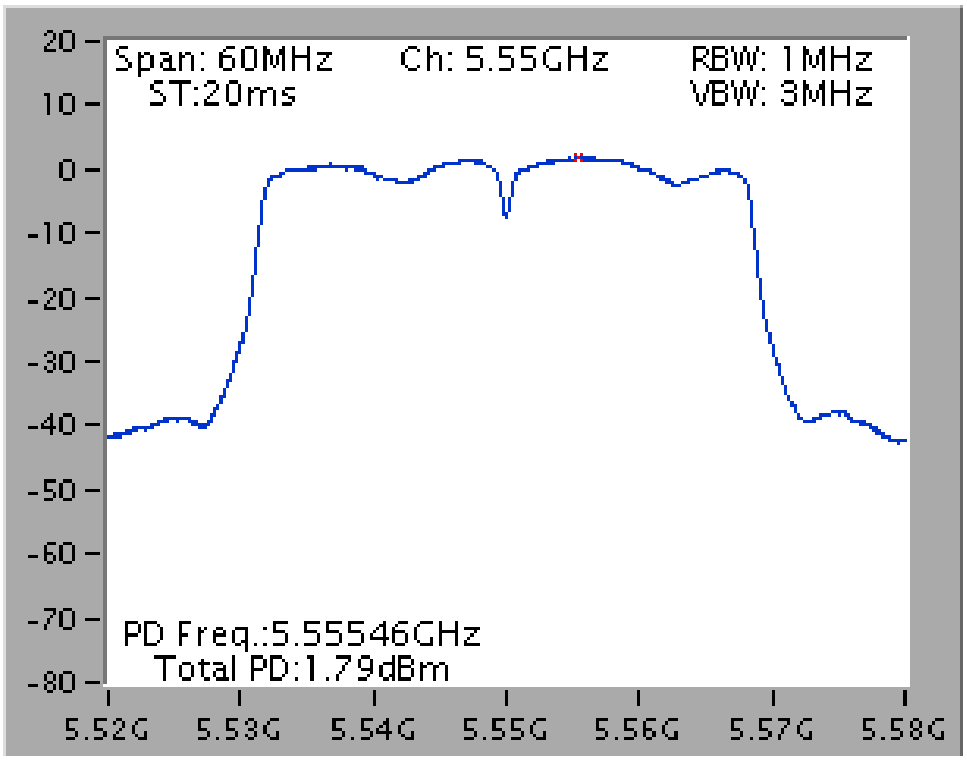
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5700 MHz



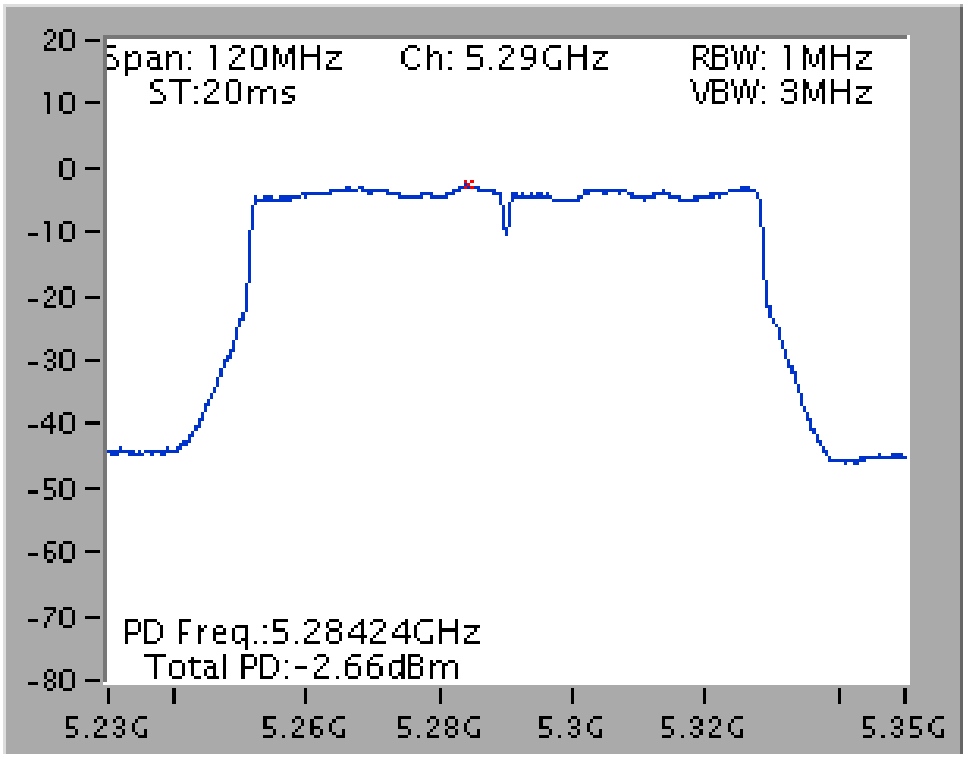
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



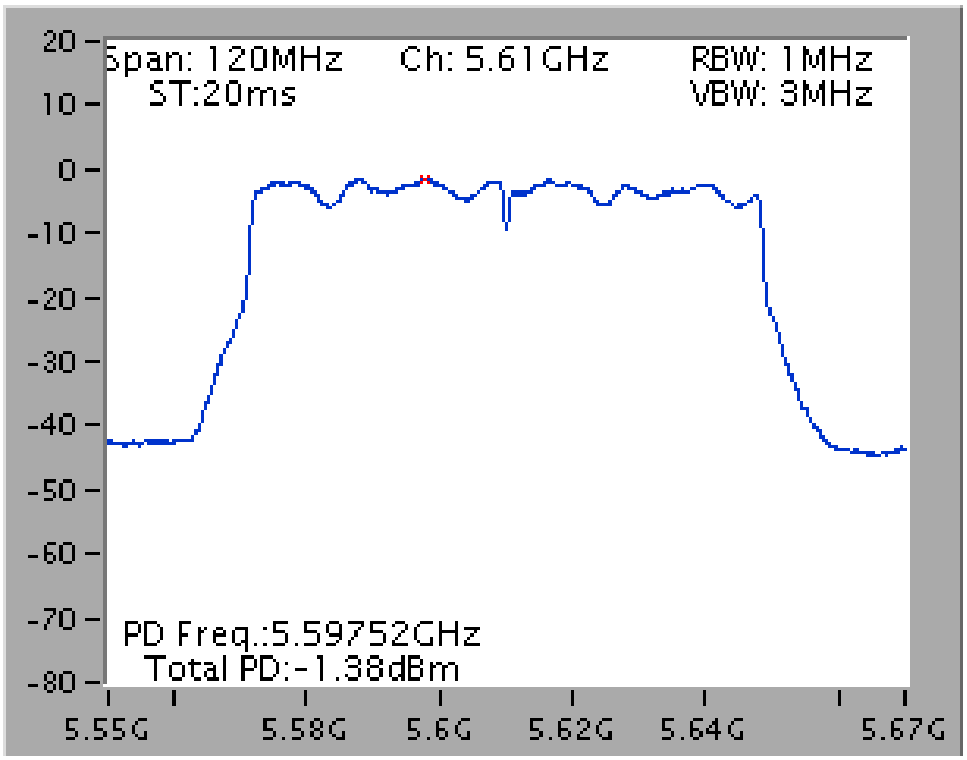
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5550 MHz



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

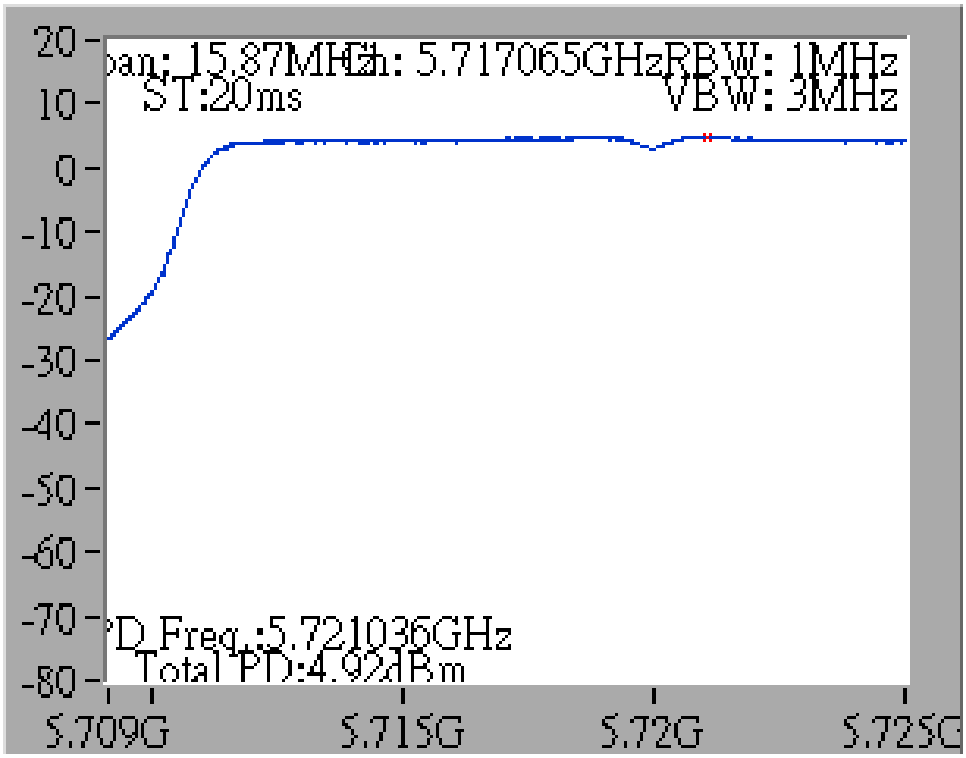


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

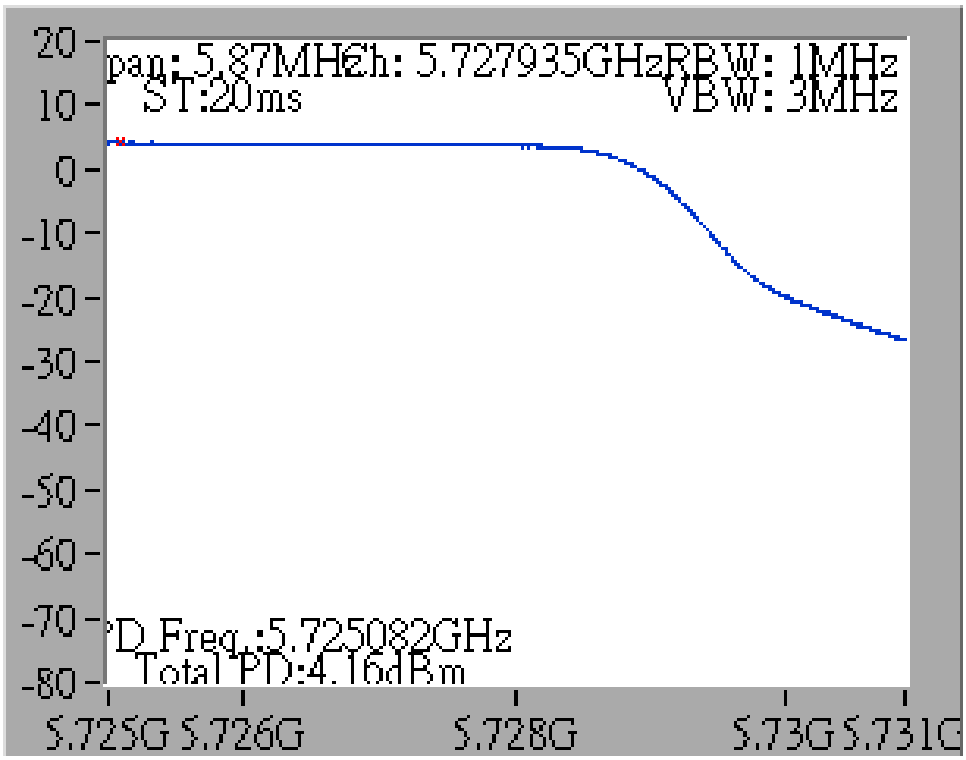


Straddle Channel

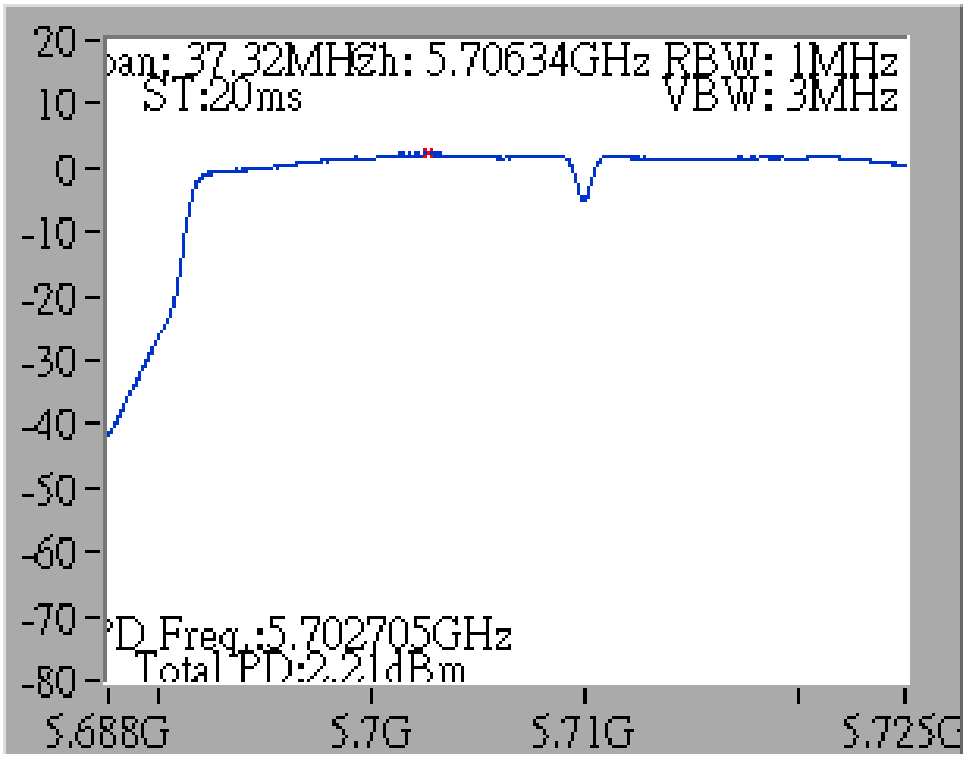
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



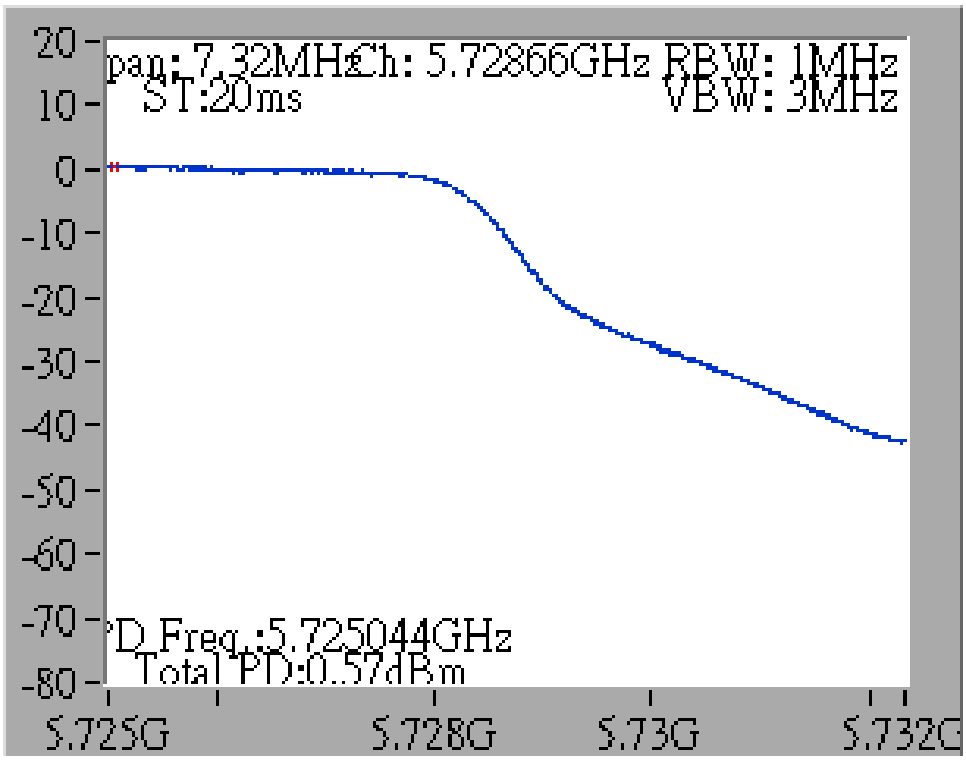
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



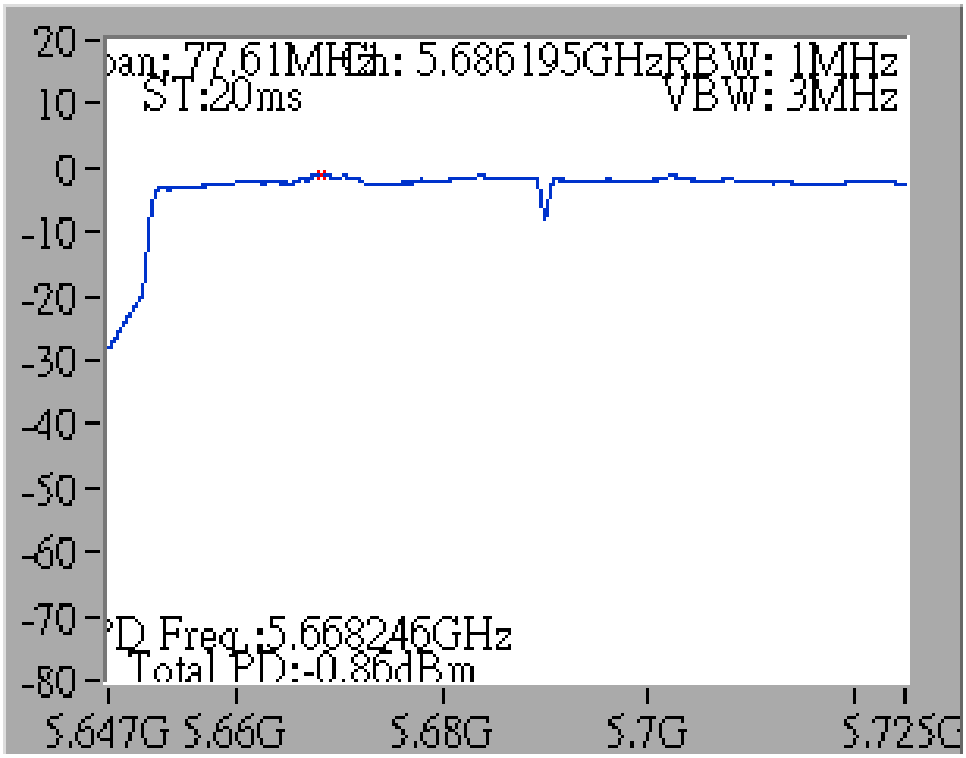
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



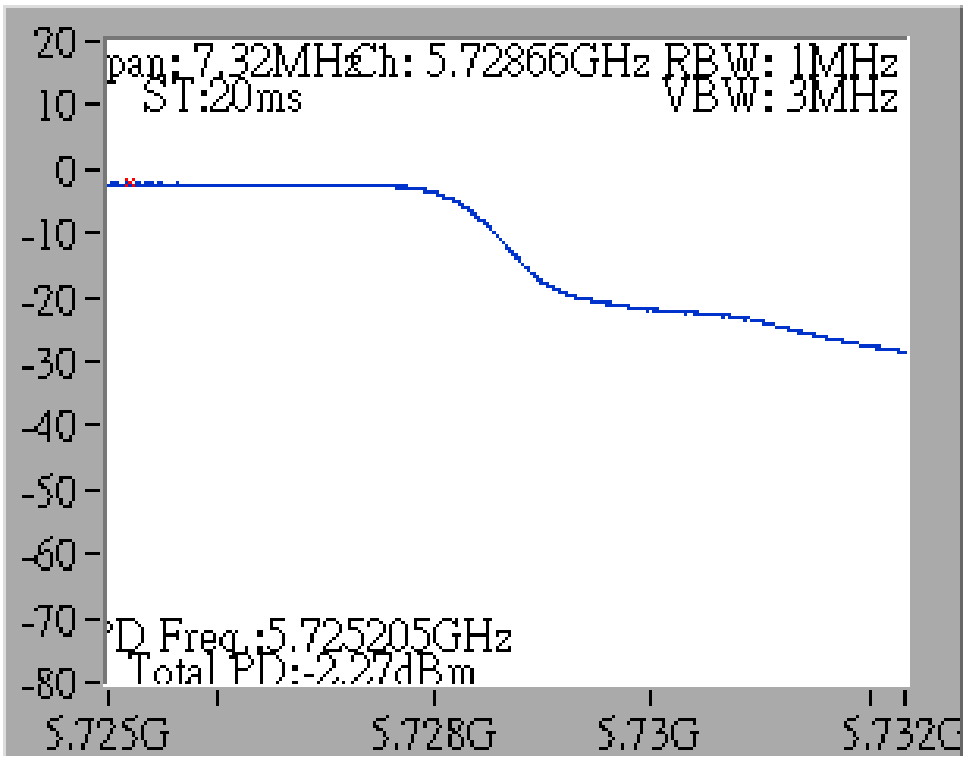
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



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

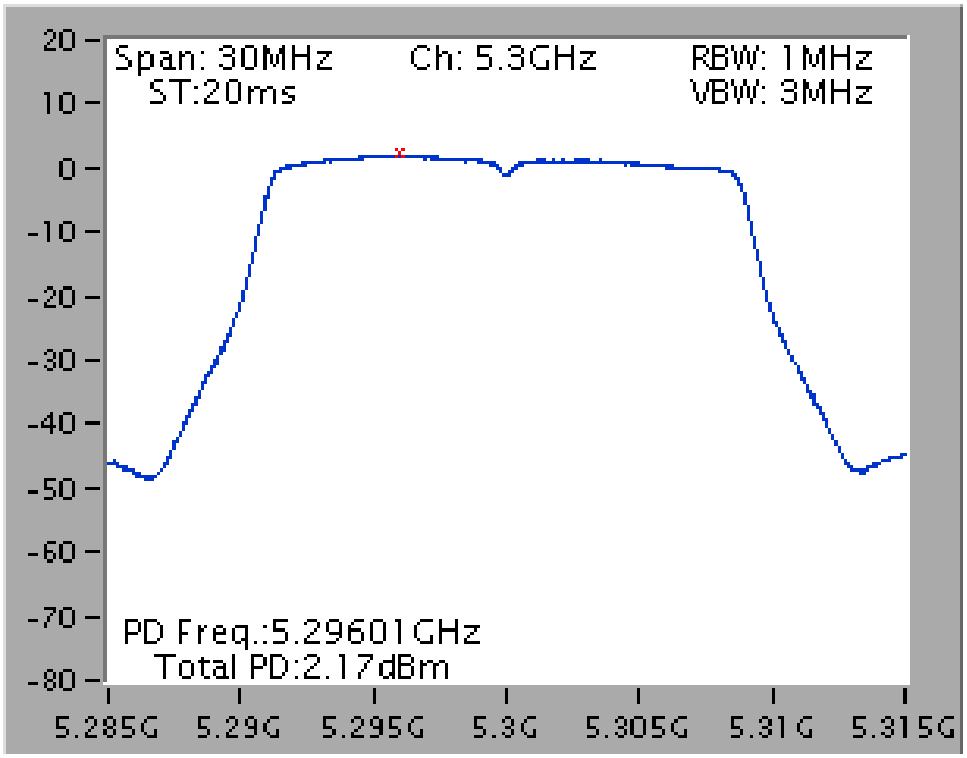


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

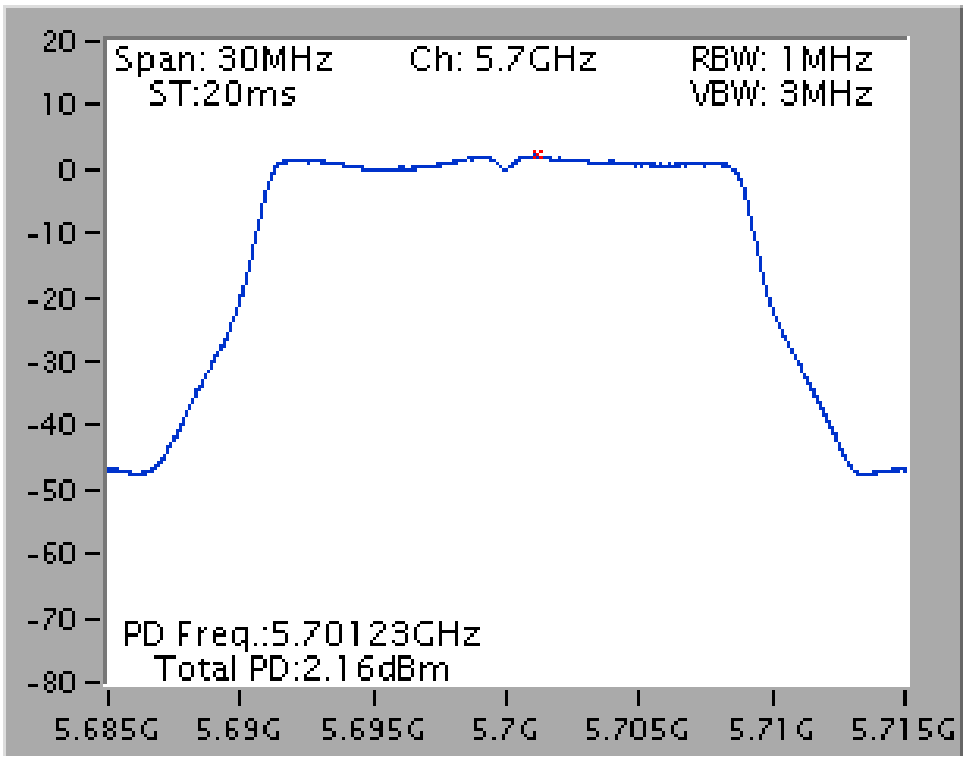


Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi

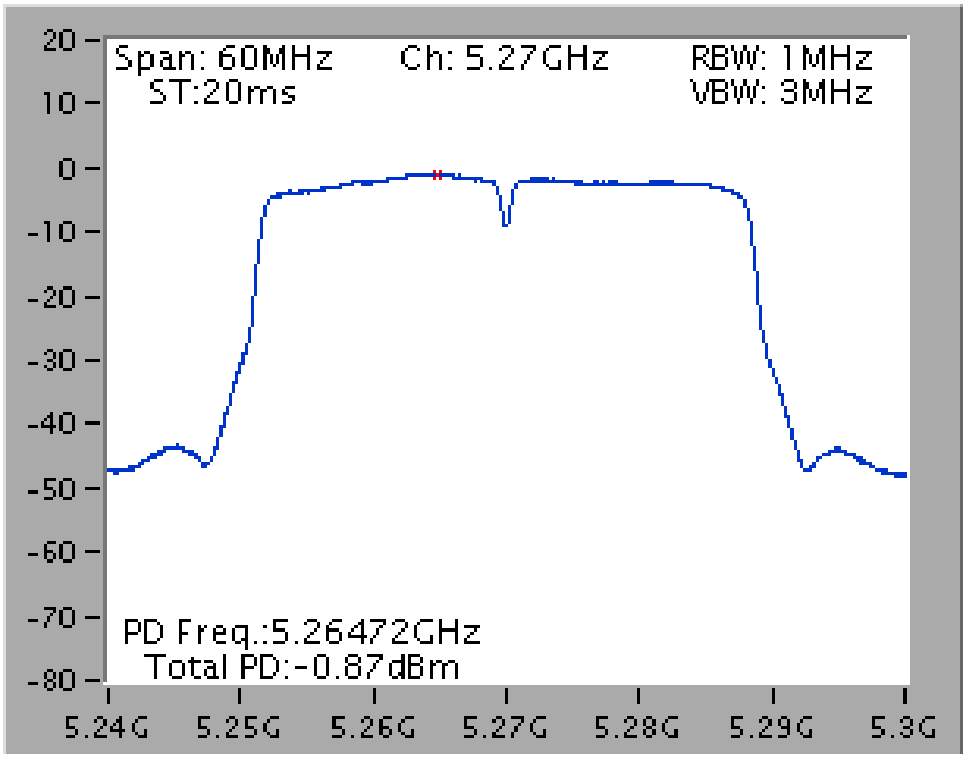
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5300 MHz



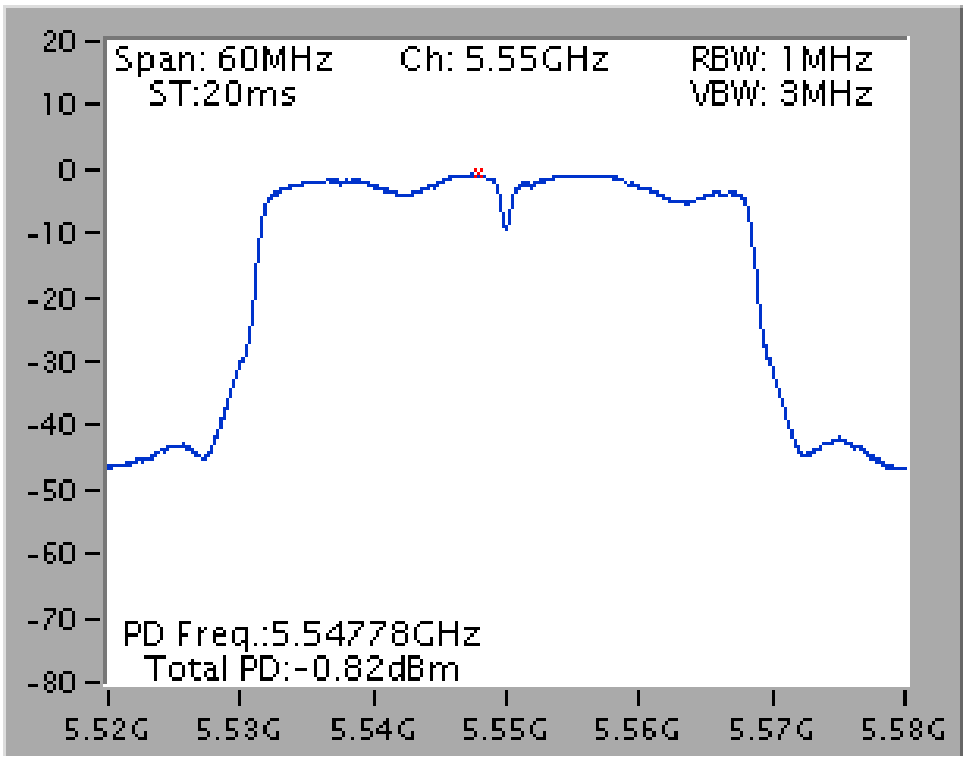
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5700 MHz



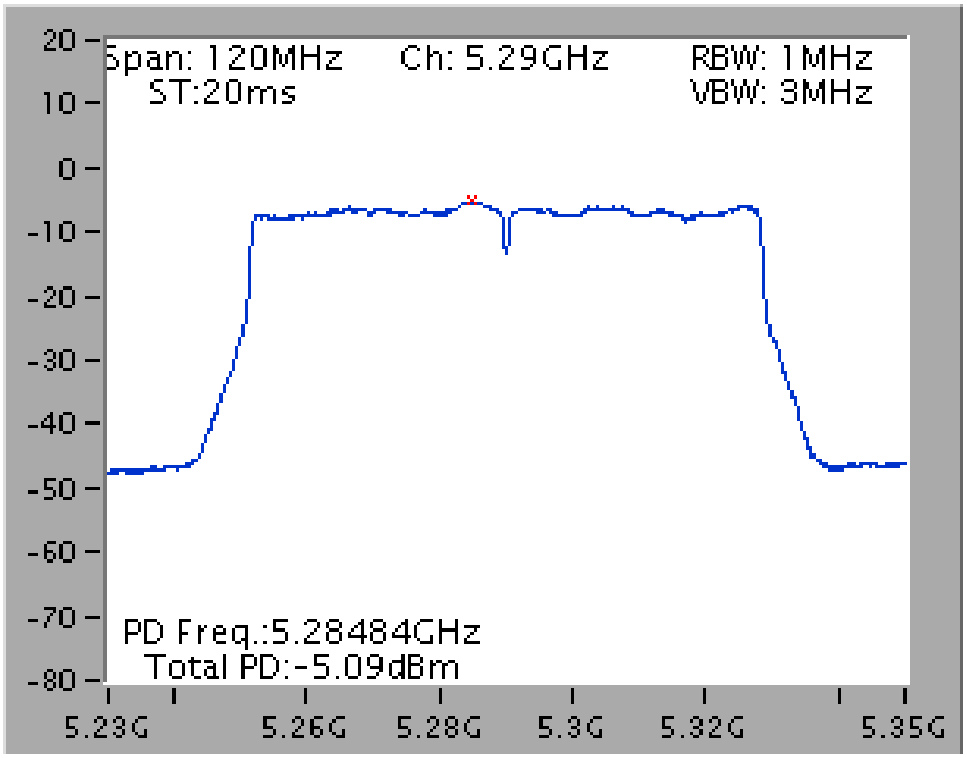
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



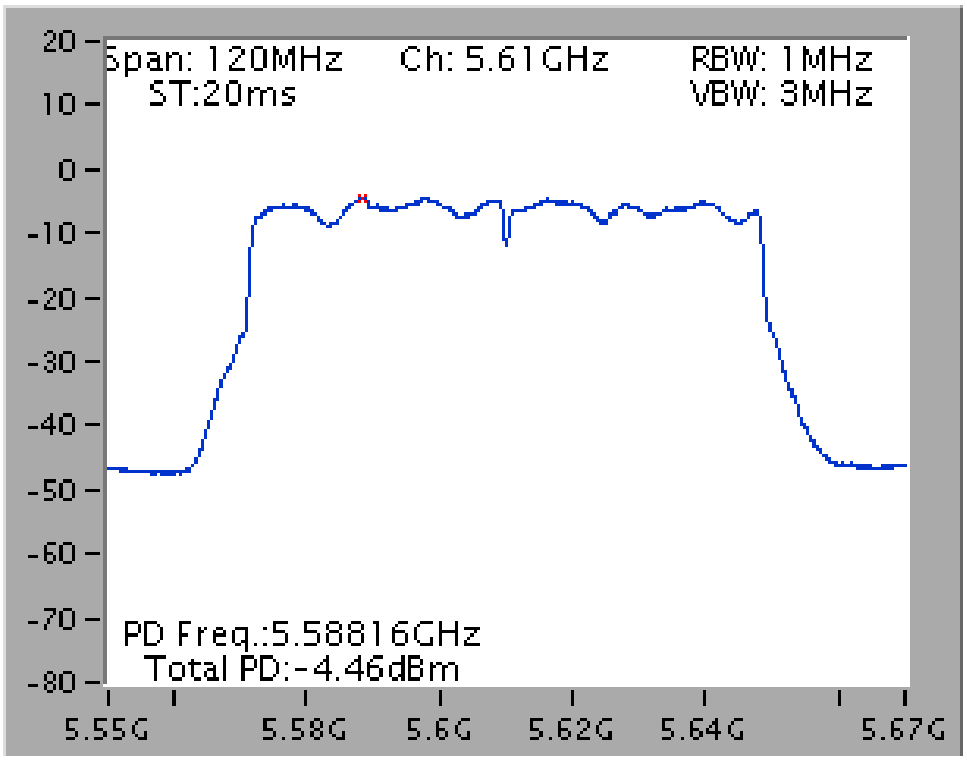
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5550 MHz



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

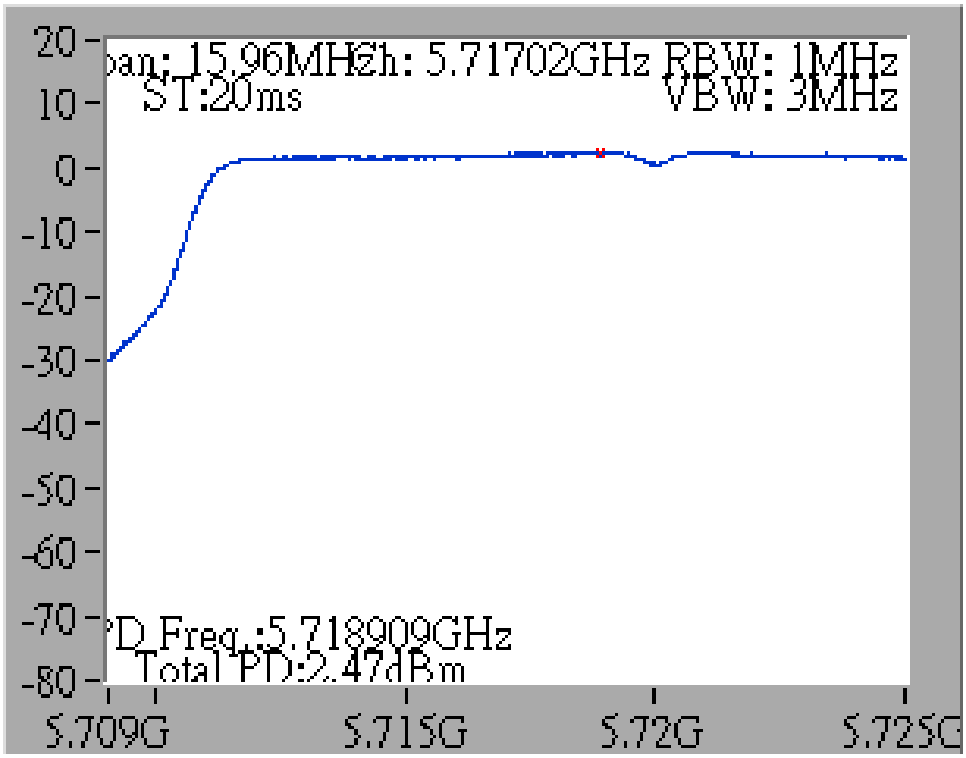


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

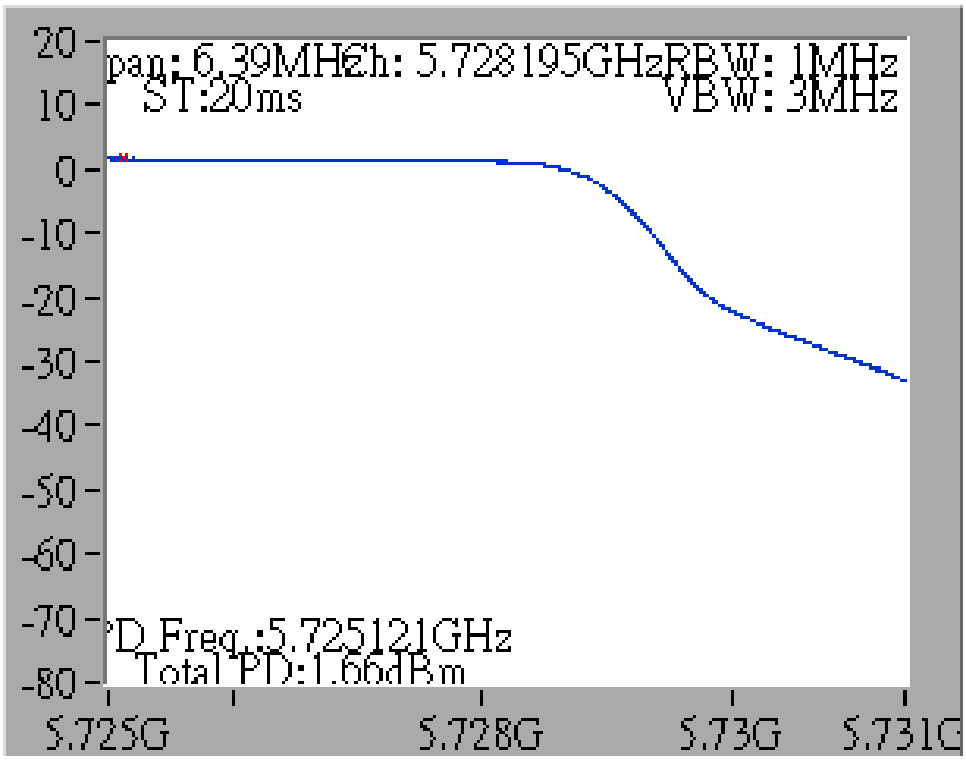


Straddle Channel

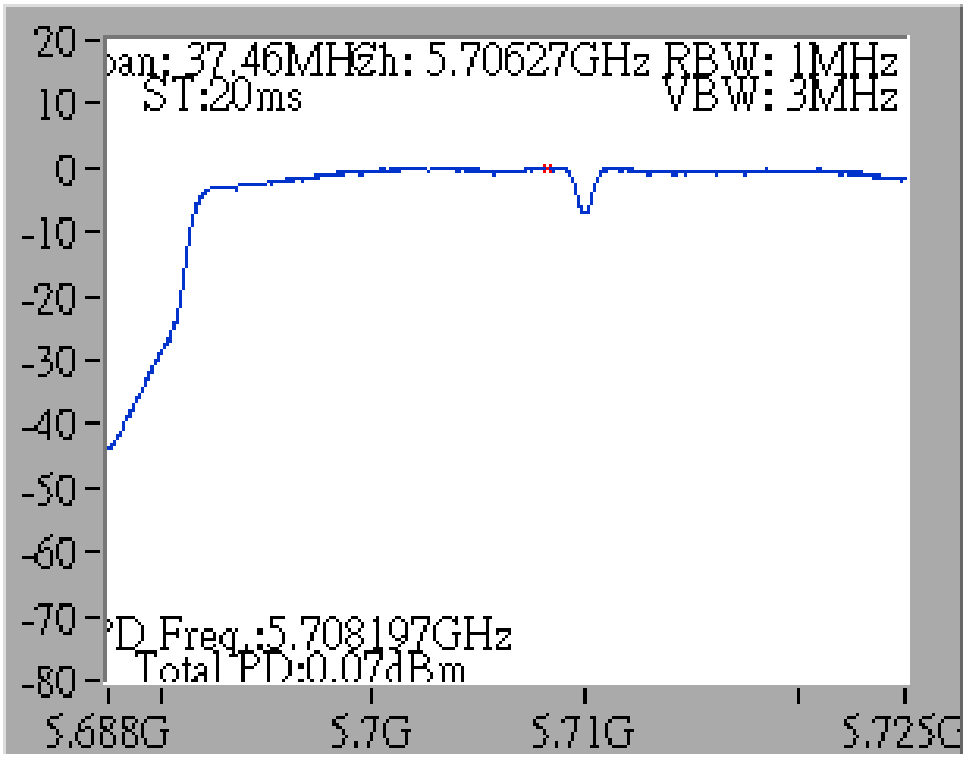
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



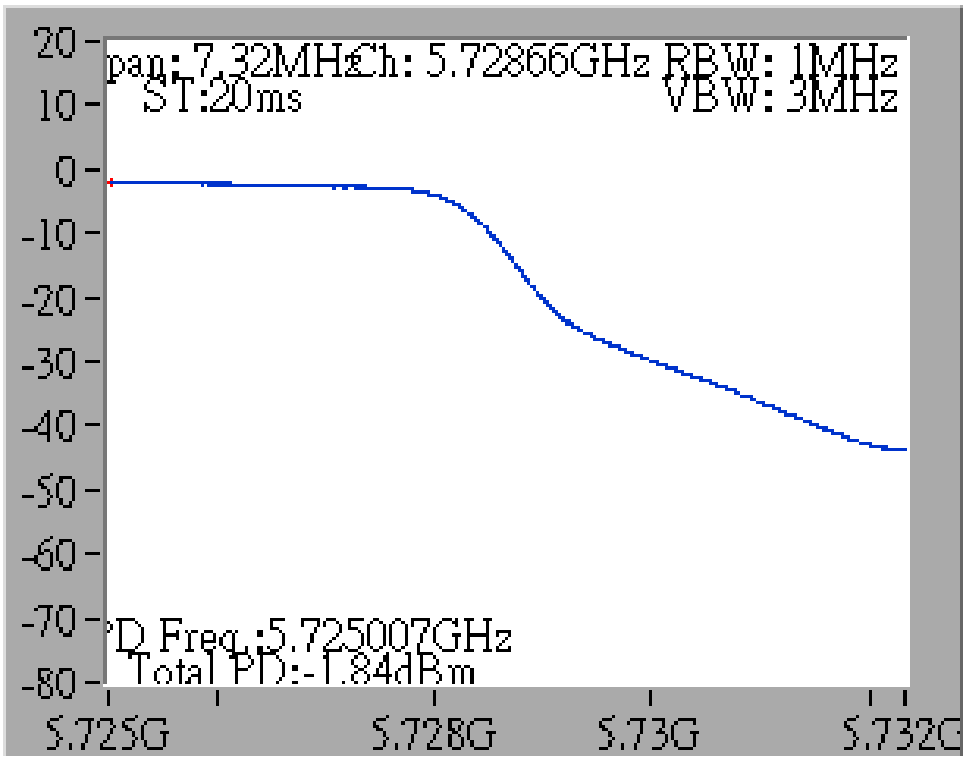
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



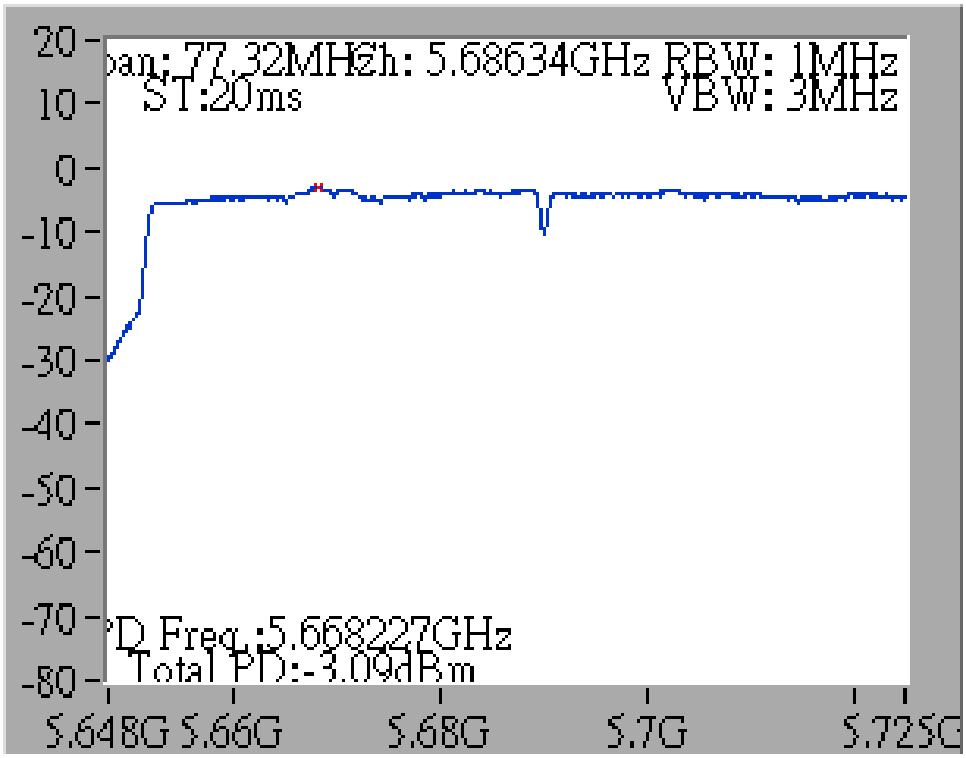
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



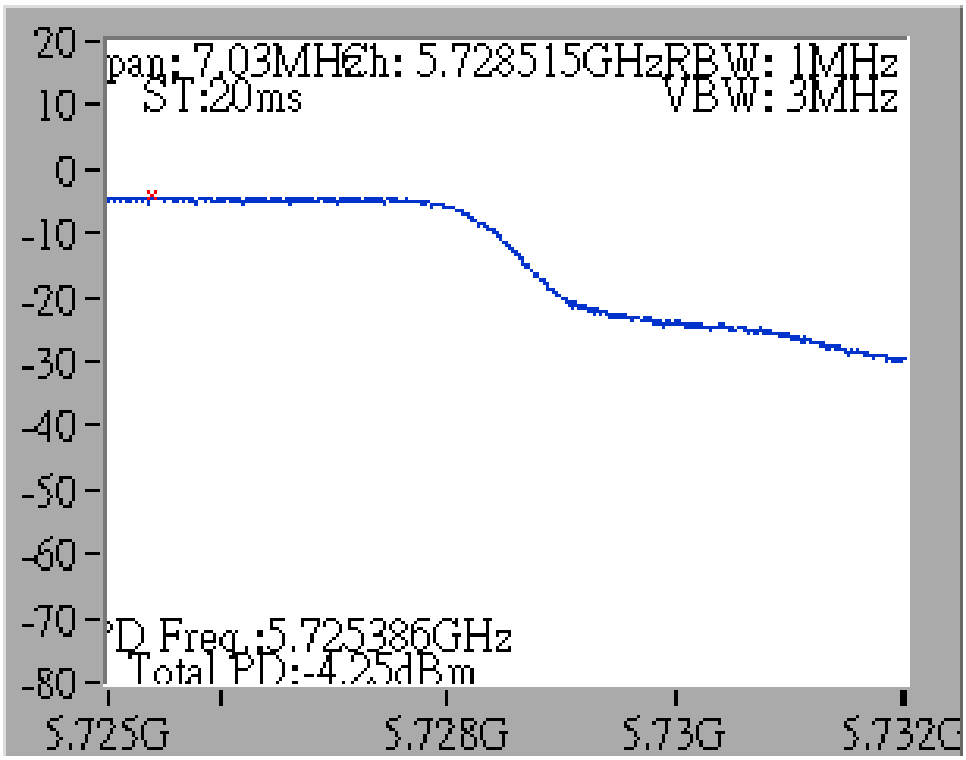
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



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

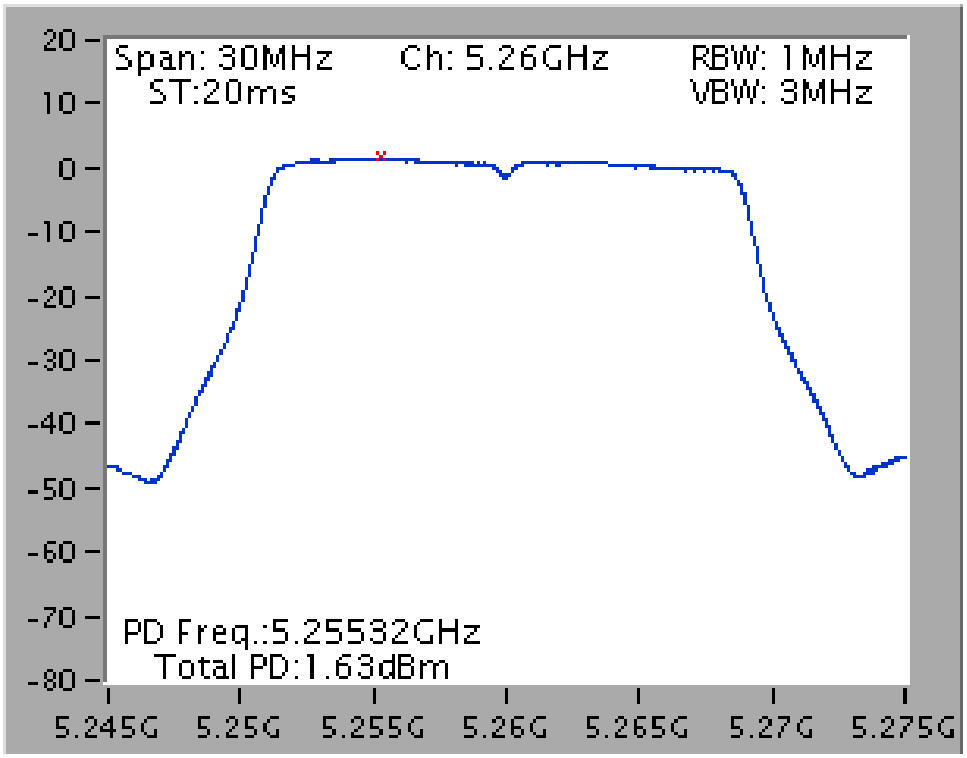


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

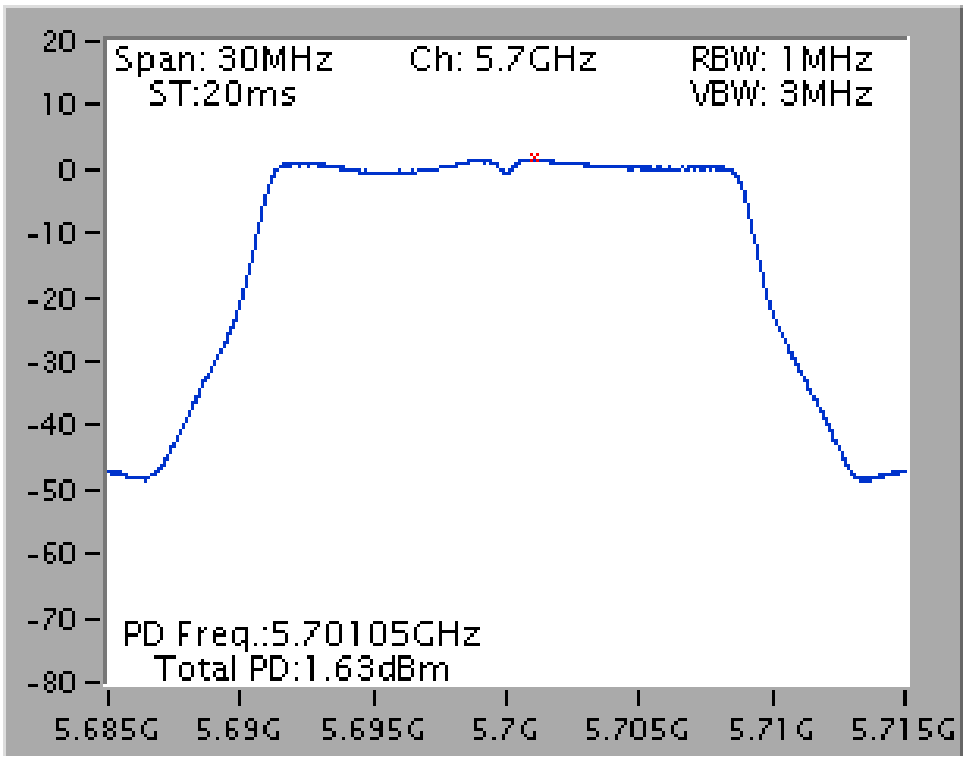


Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi

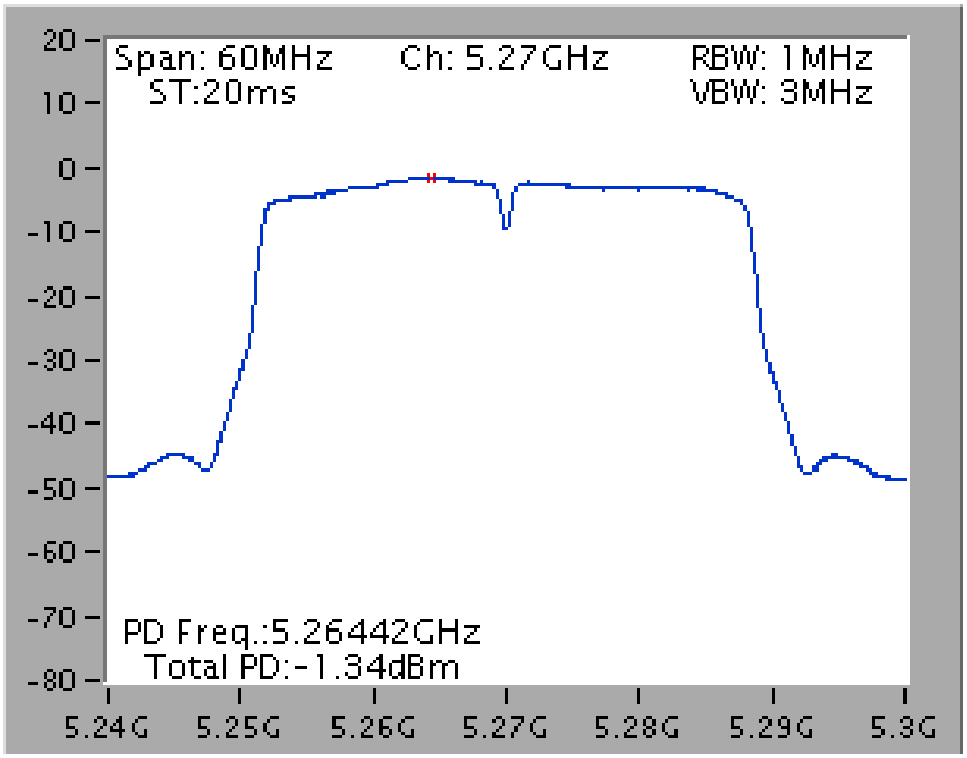
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



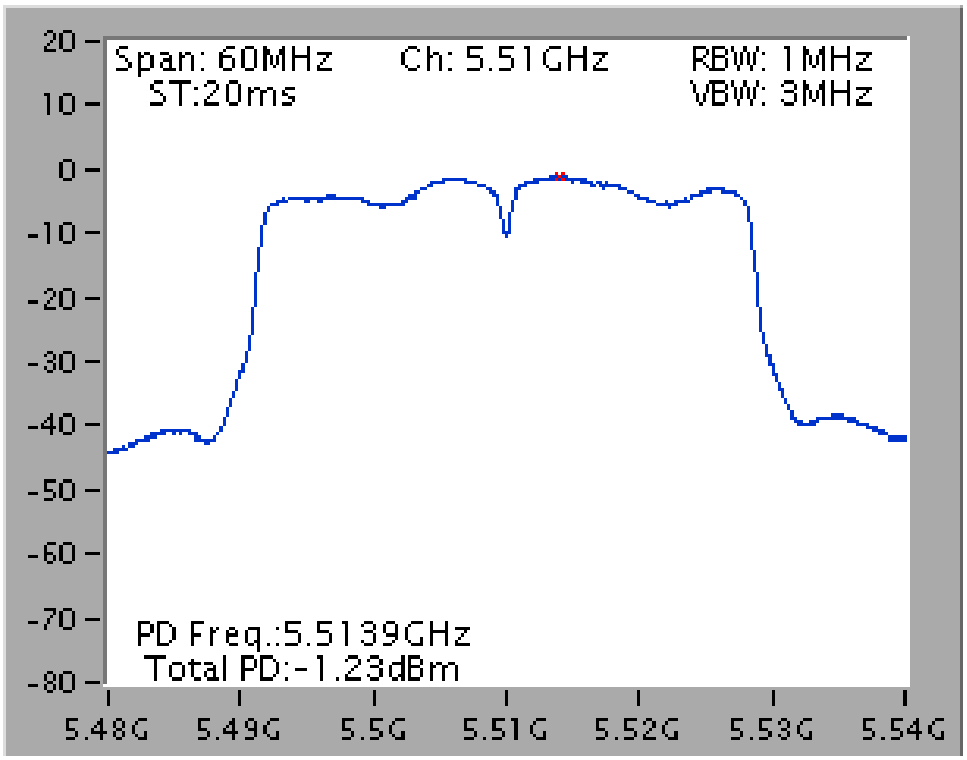
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5700 MHz



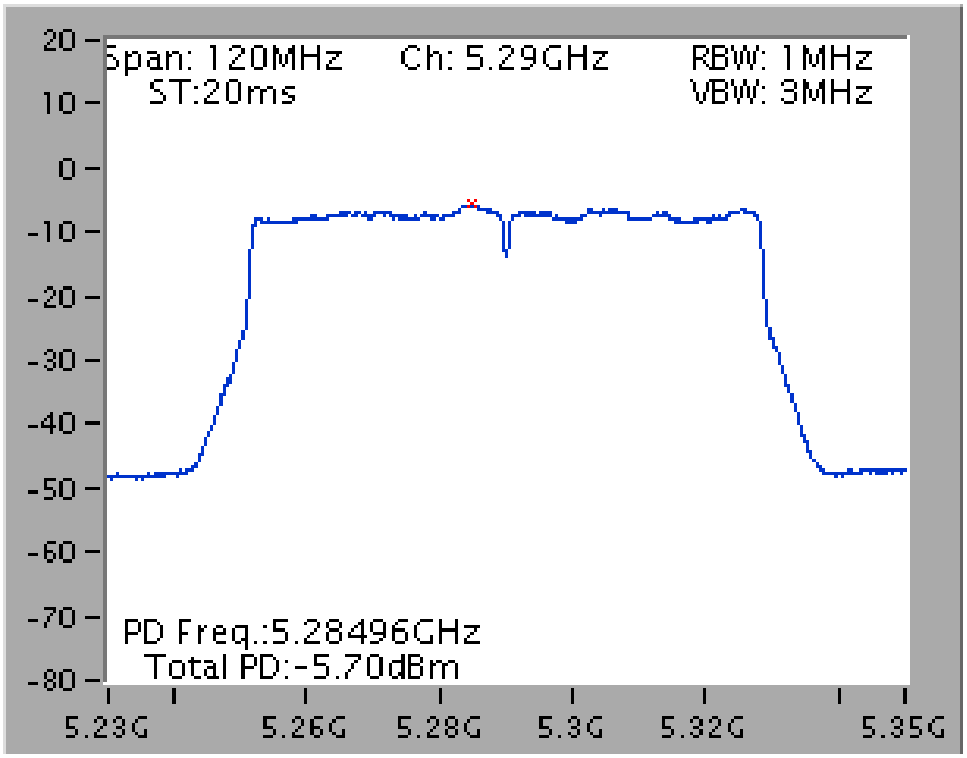
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



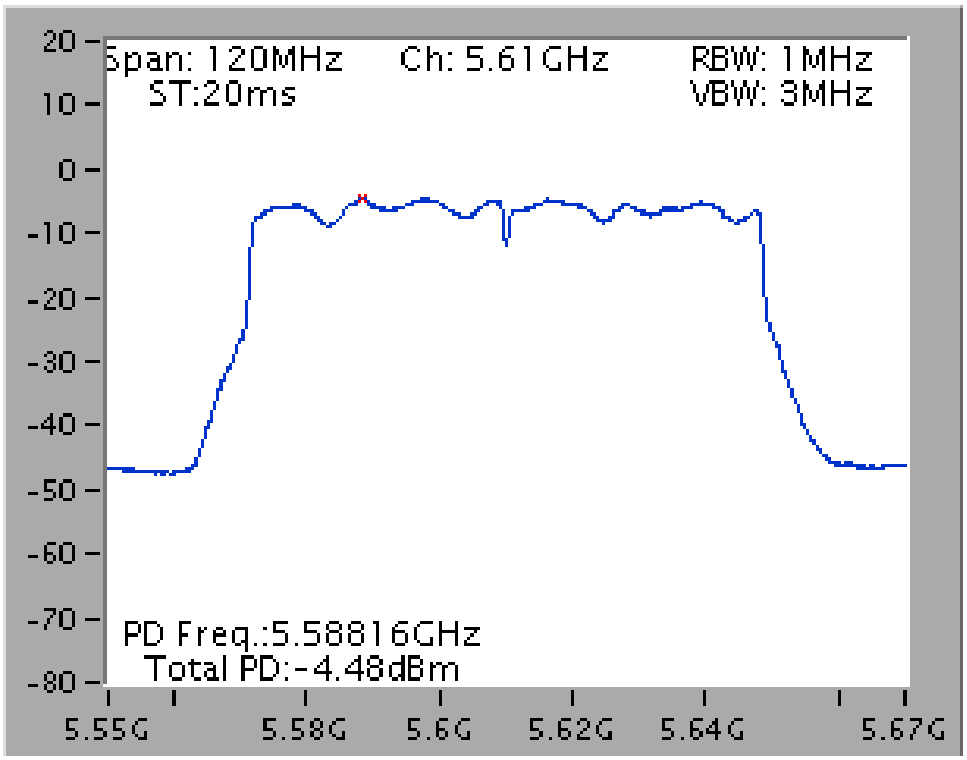
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5510 MHz



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

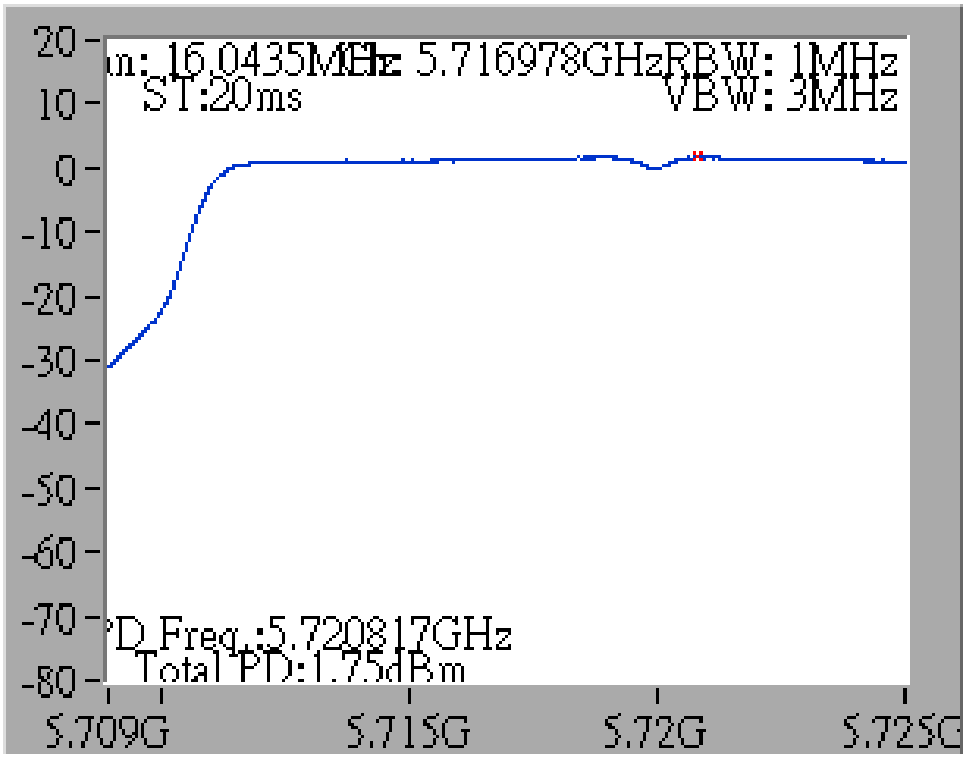


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

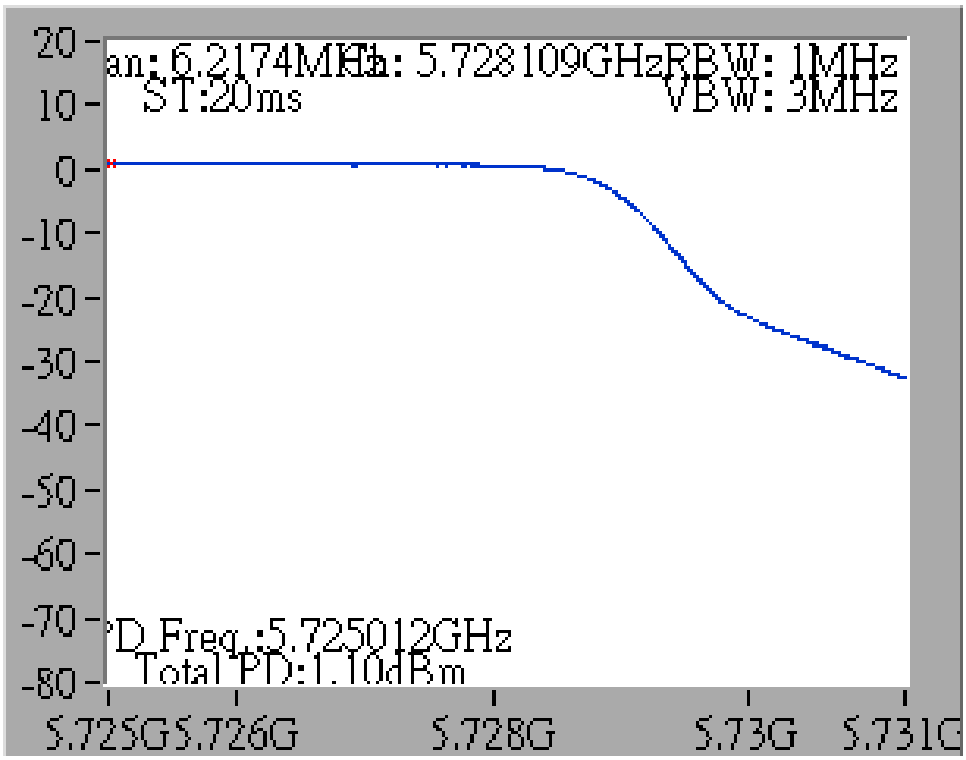


Straddle Channel

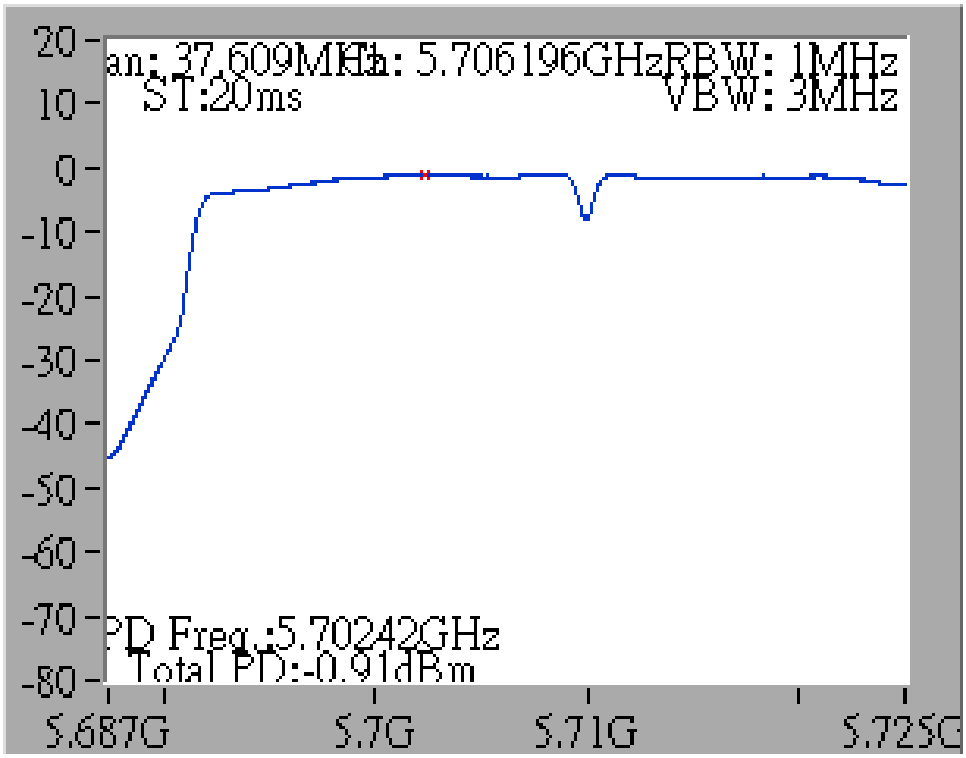
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



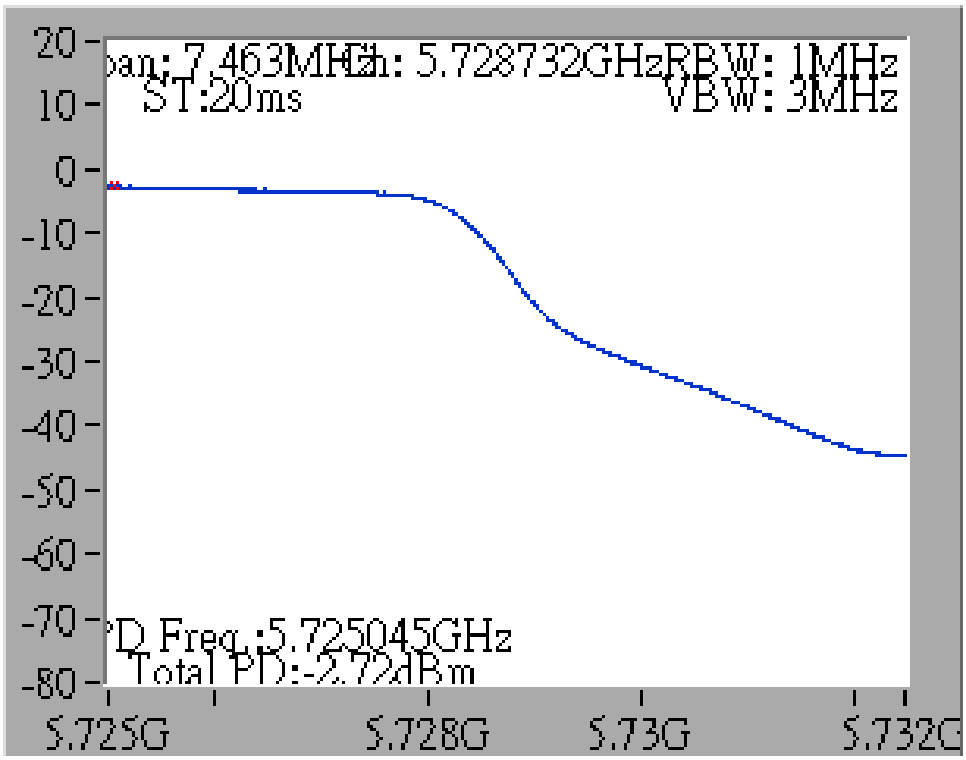
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



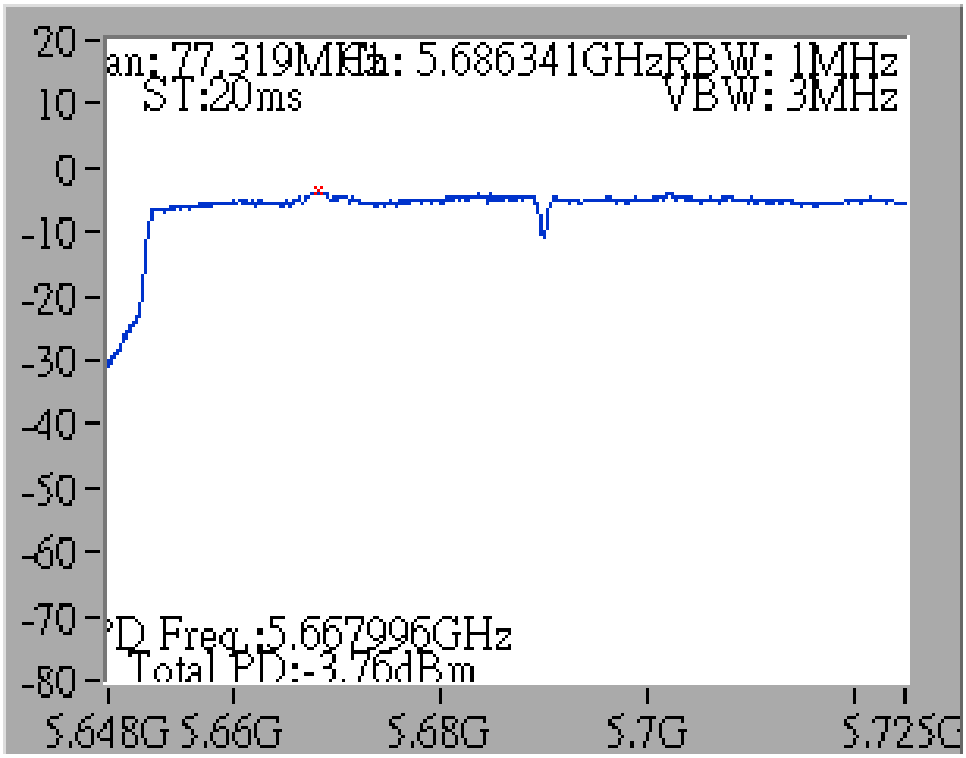
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



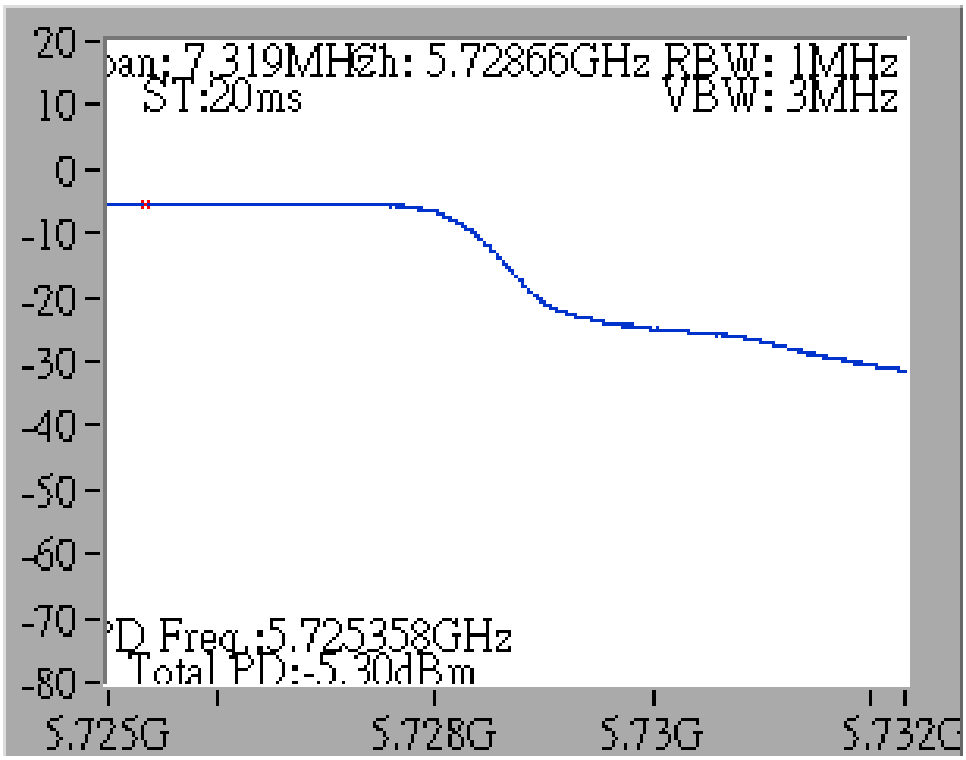
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



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

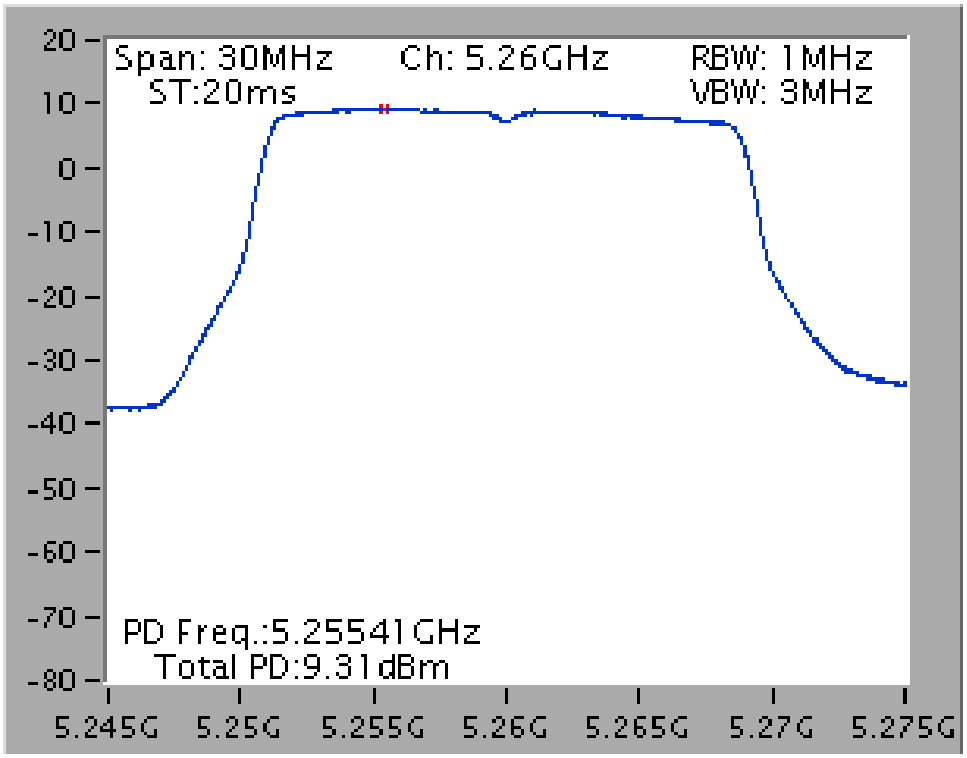


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

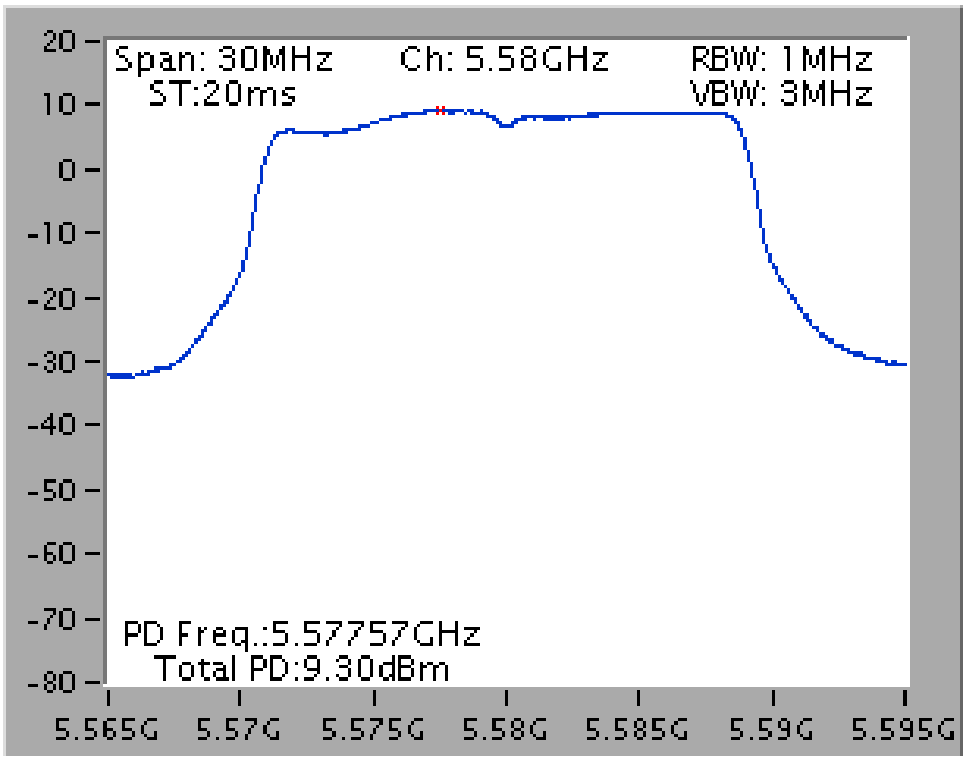


Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi

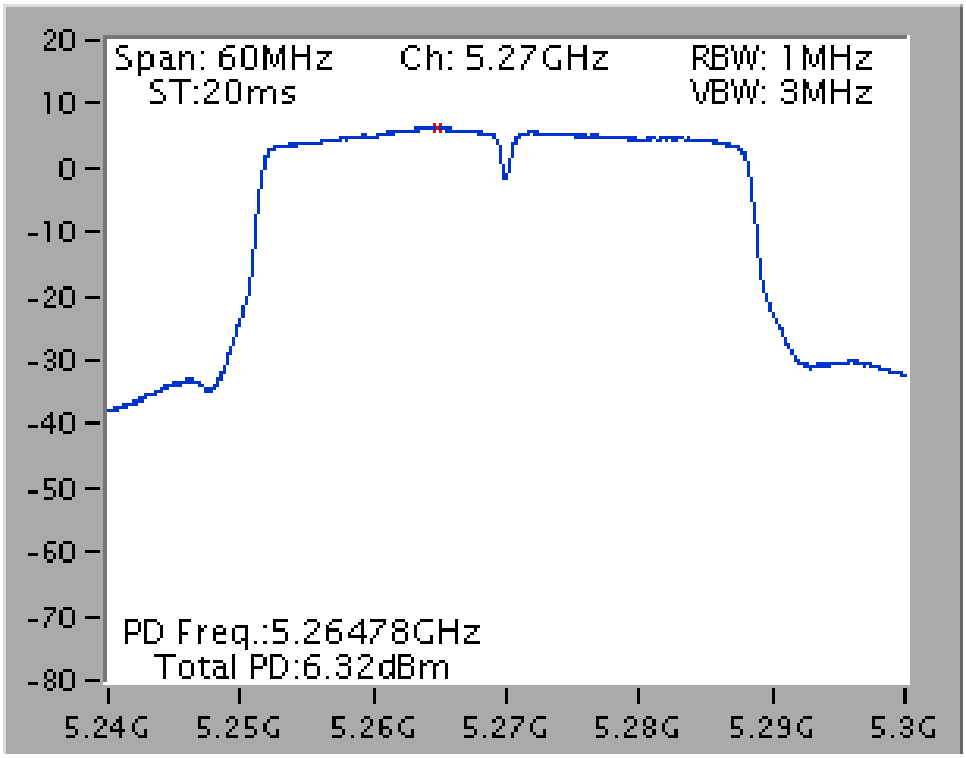
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



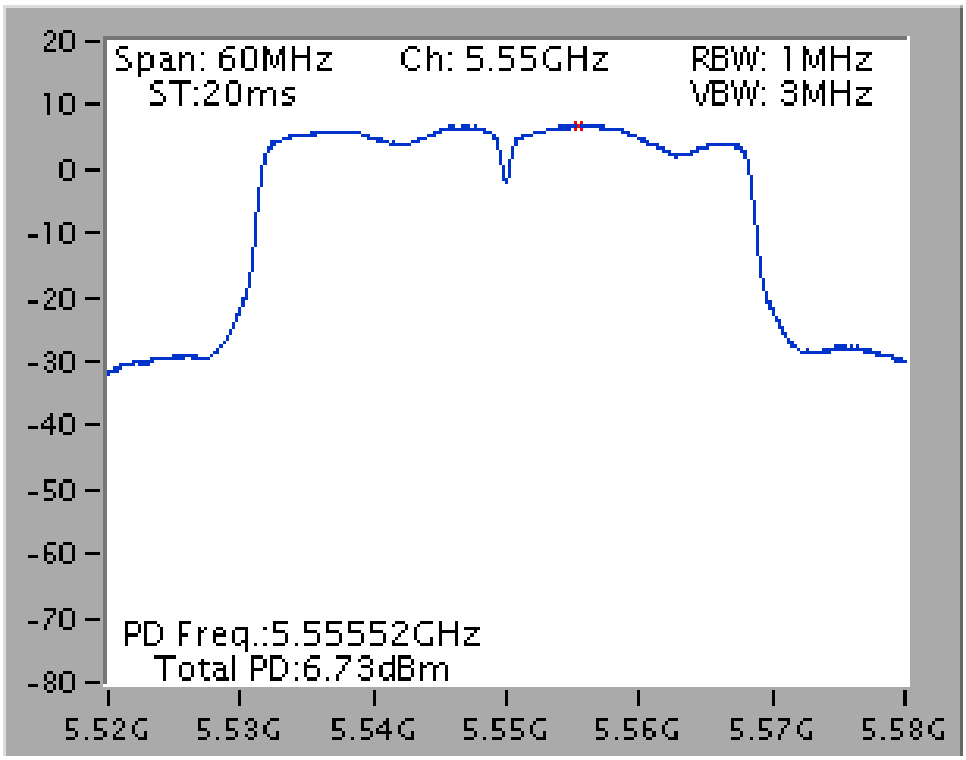
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5580 MHz



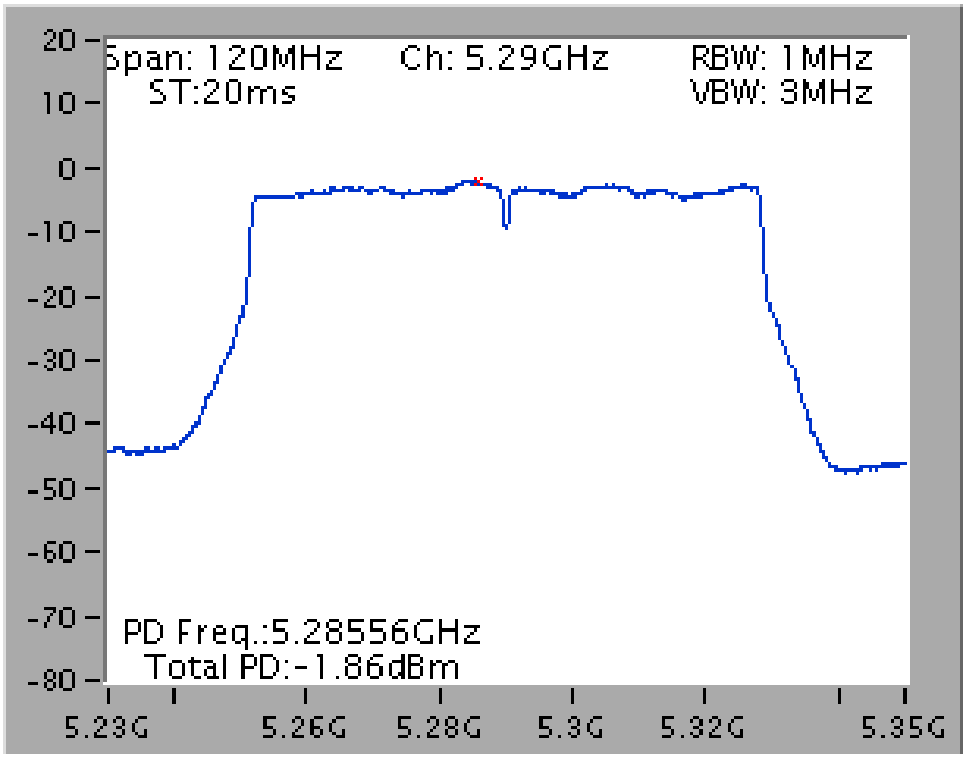
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



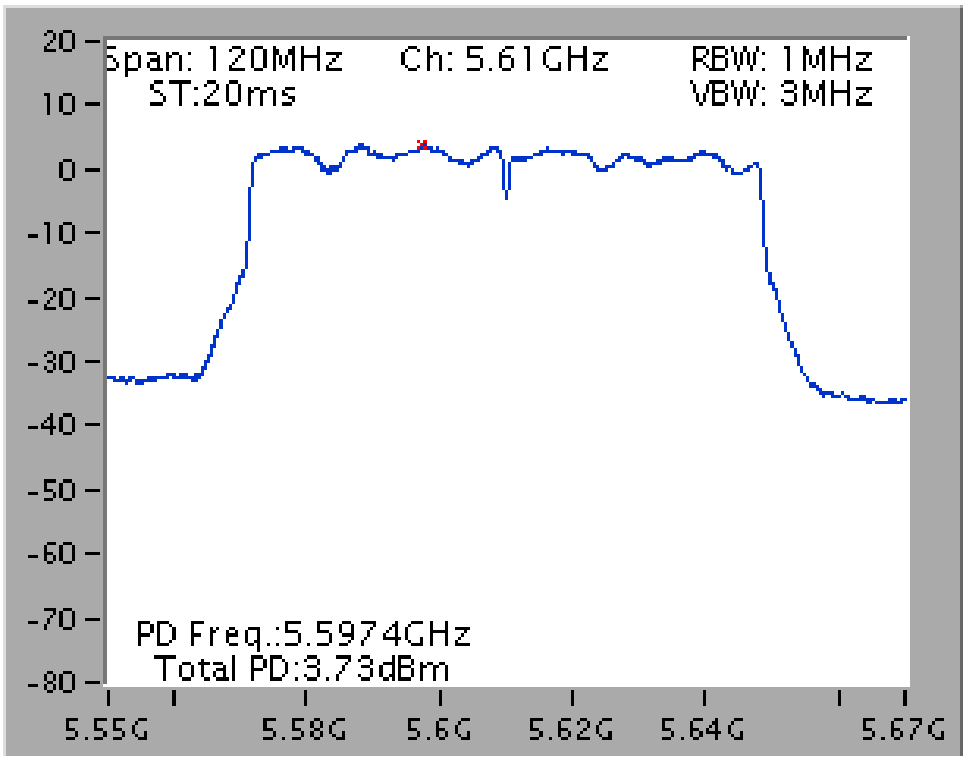
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5550 MHz



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

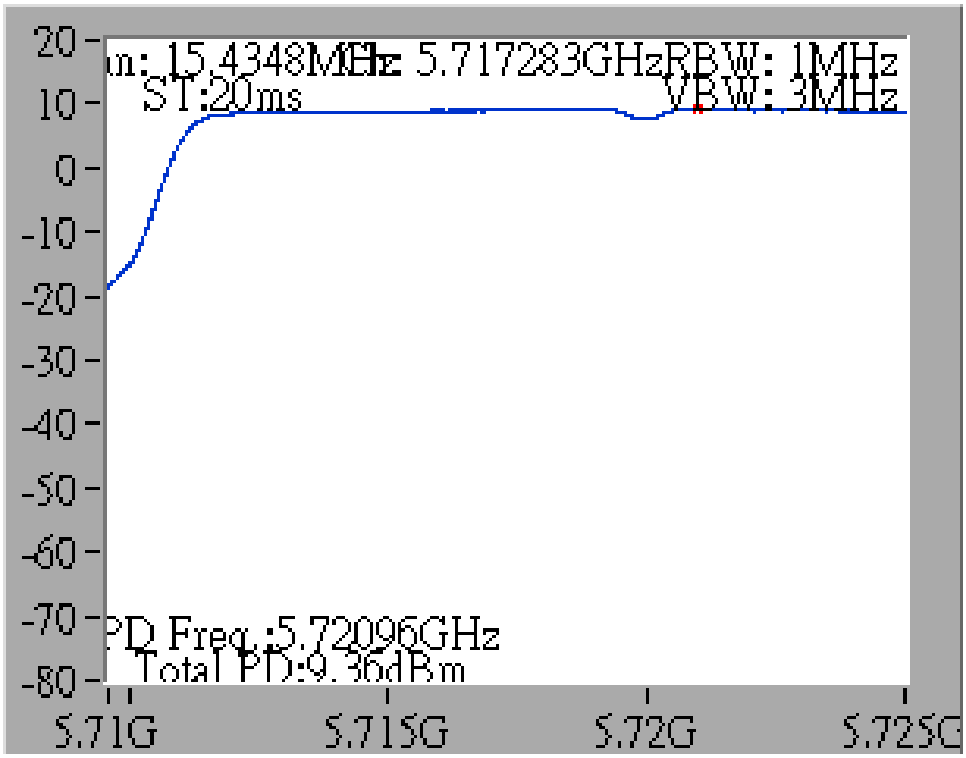


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

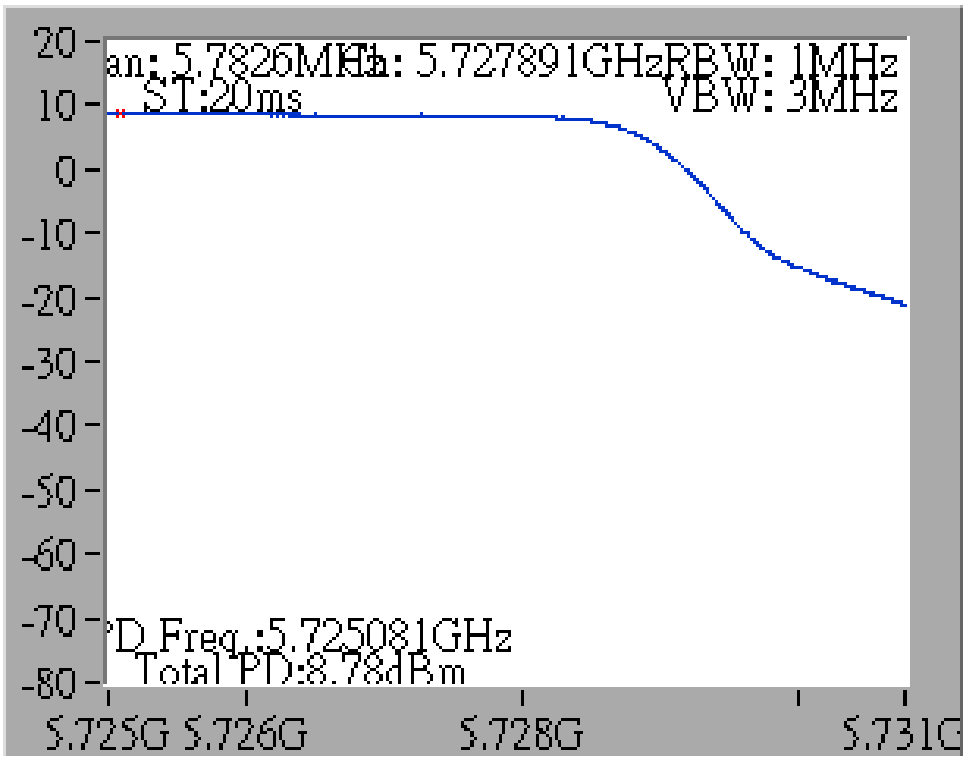


Straddle Channel

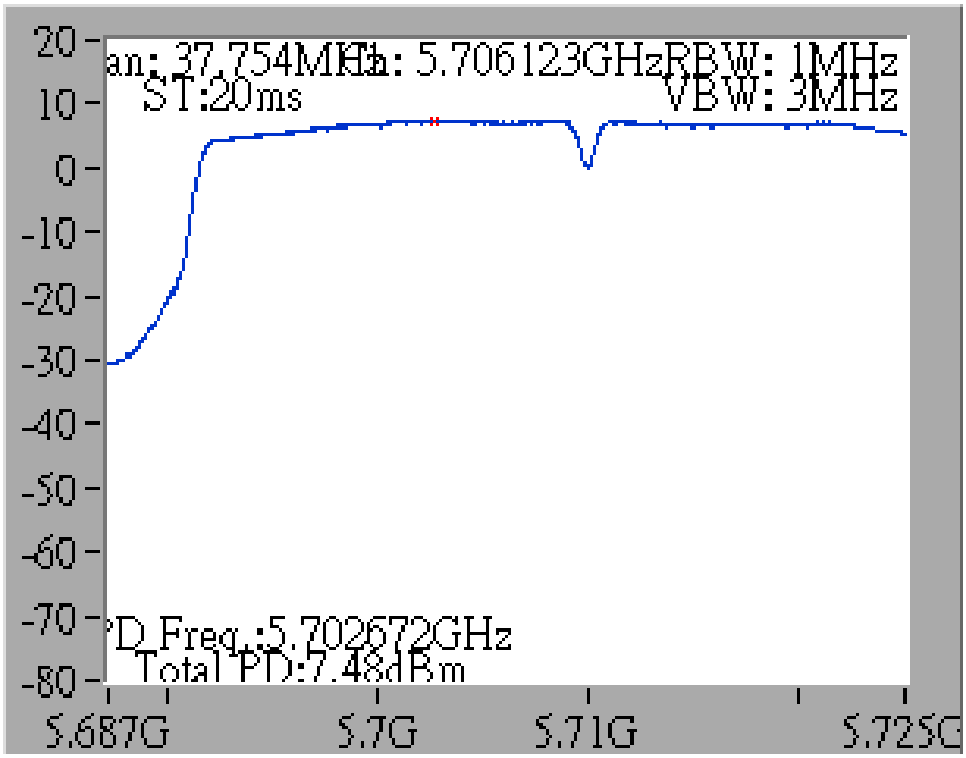
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



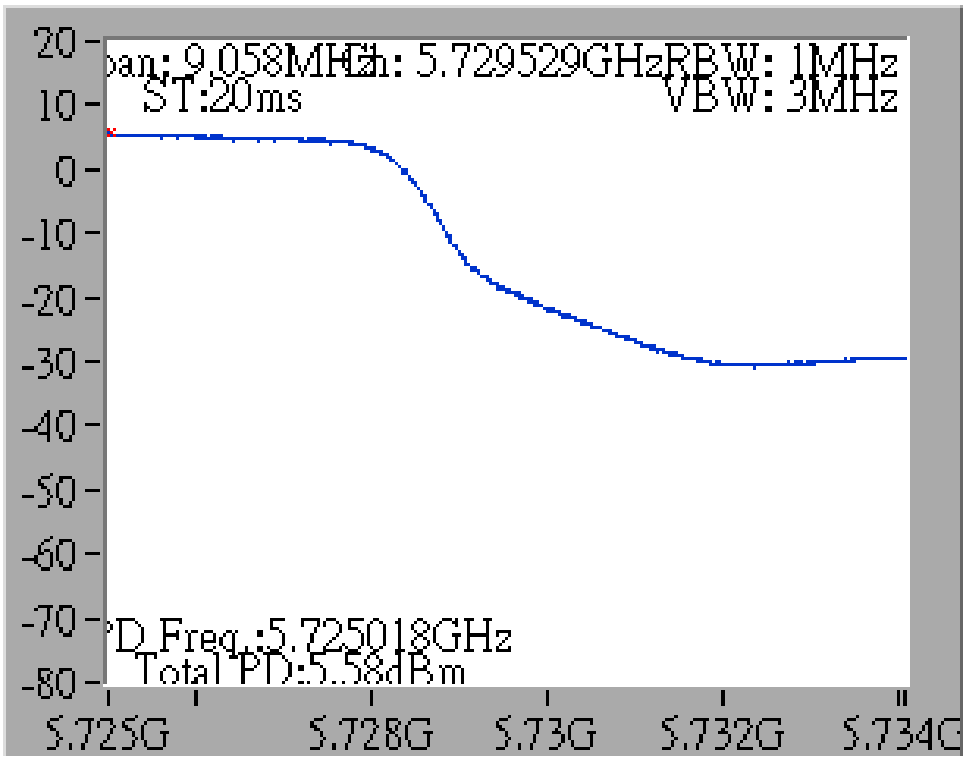
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



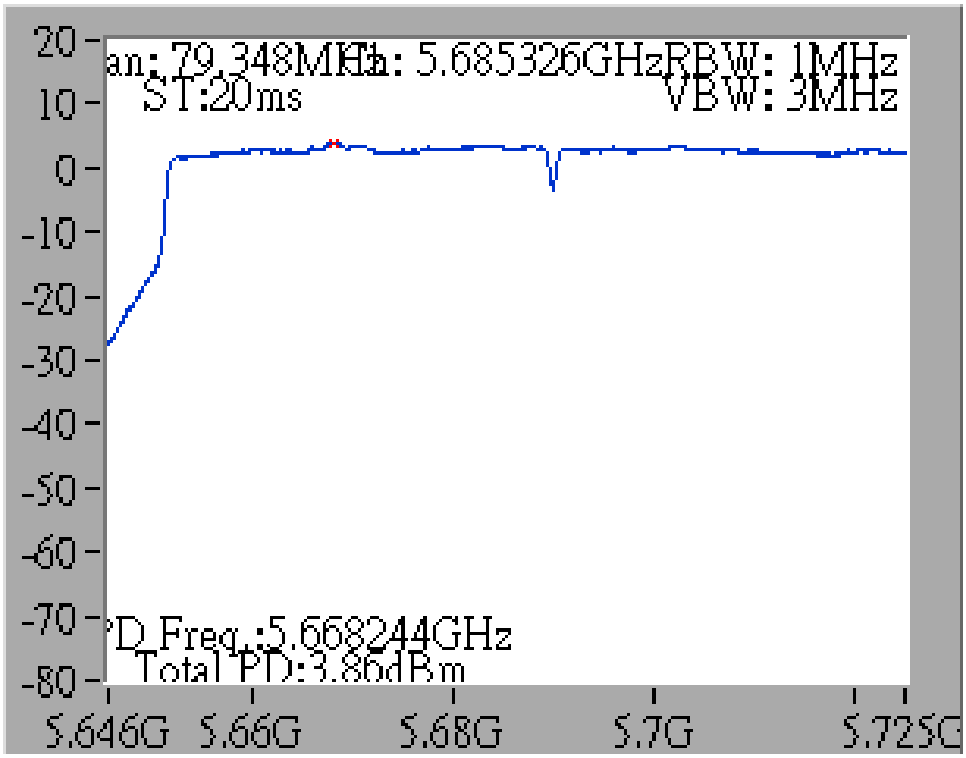
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



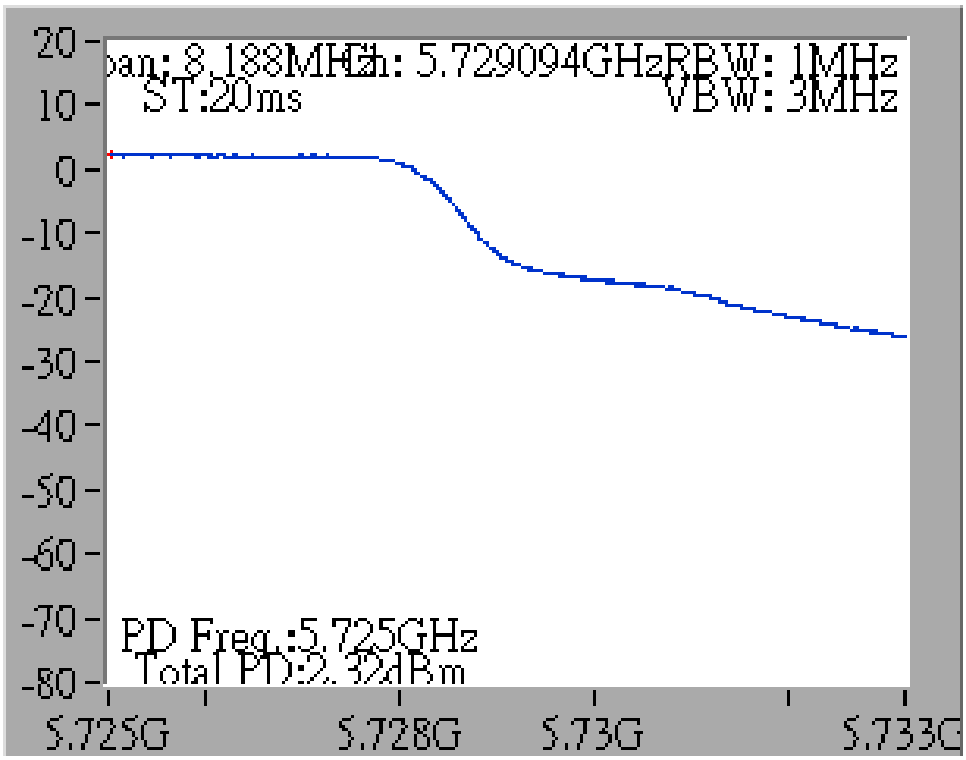
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



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

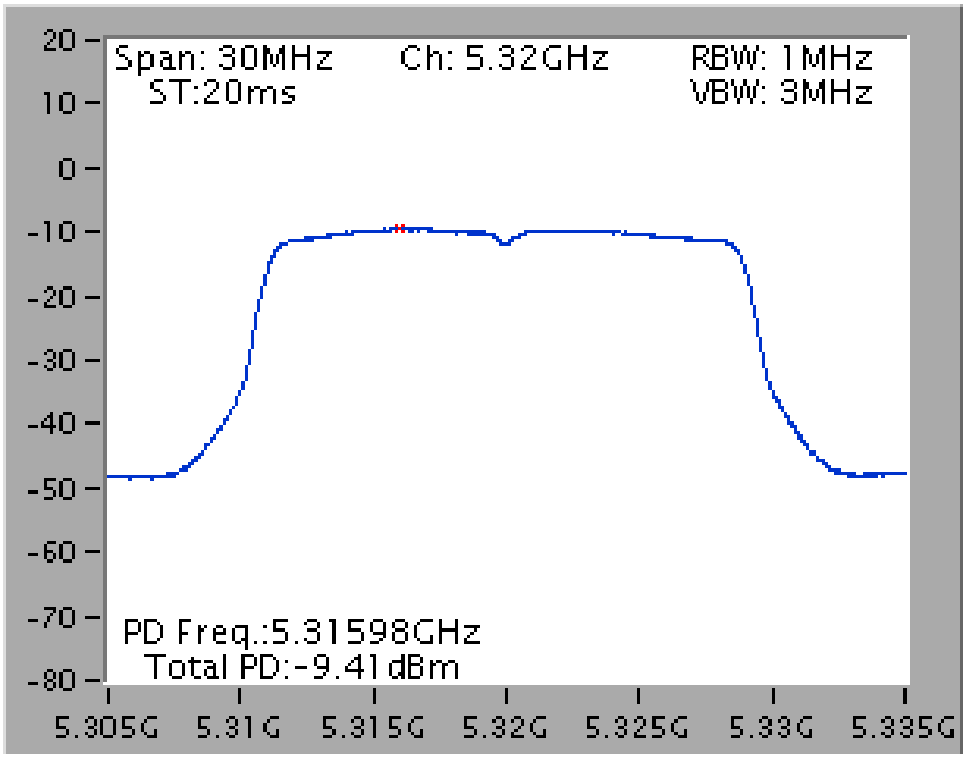


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

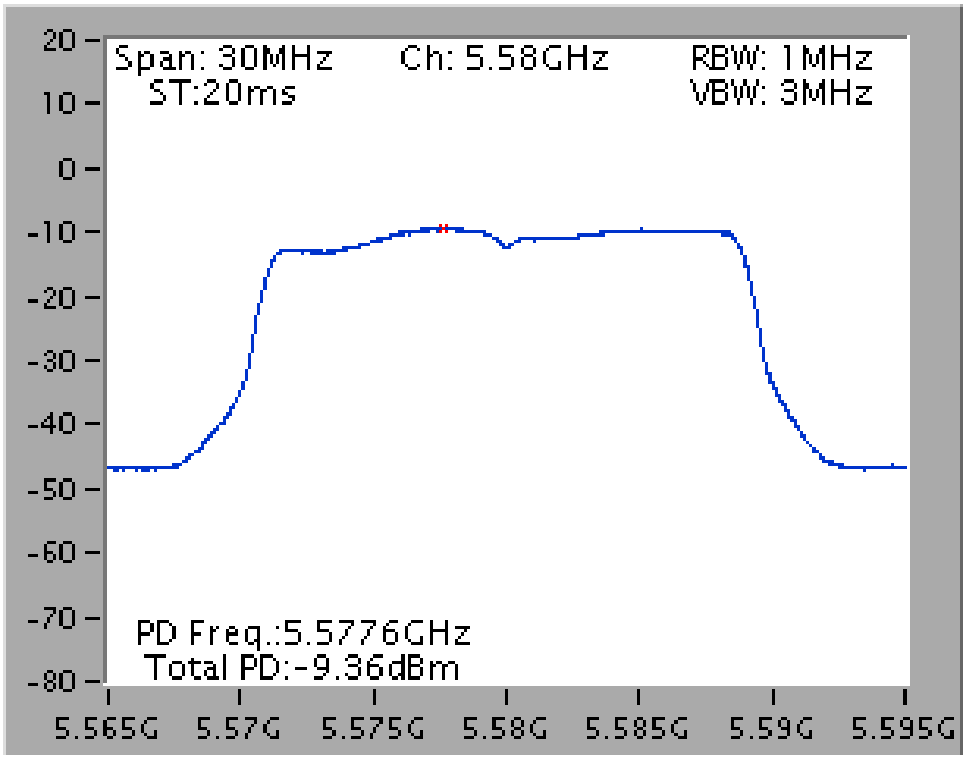


Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi

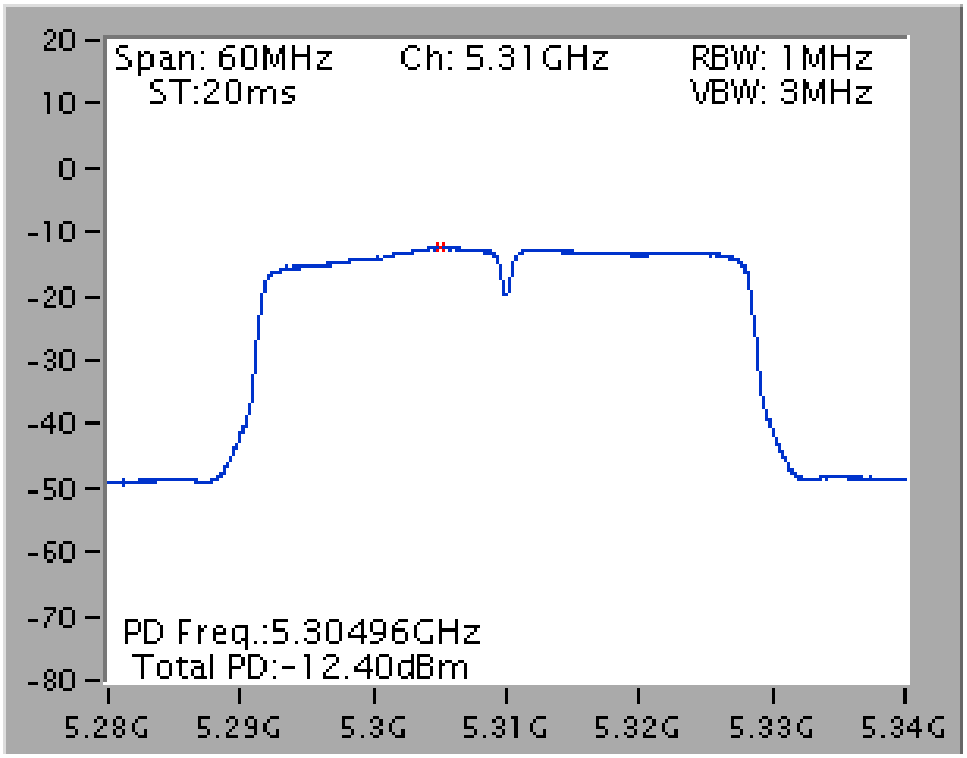
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5320 MHz



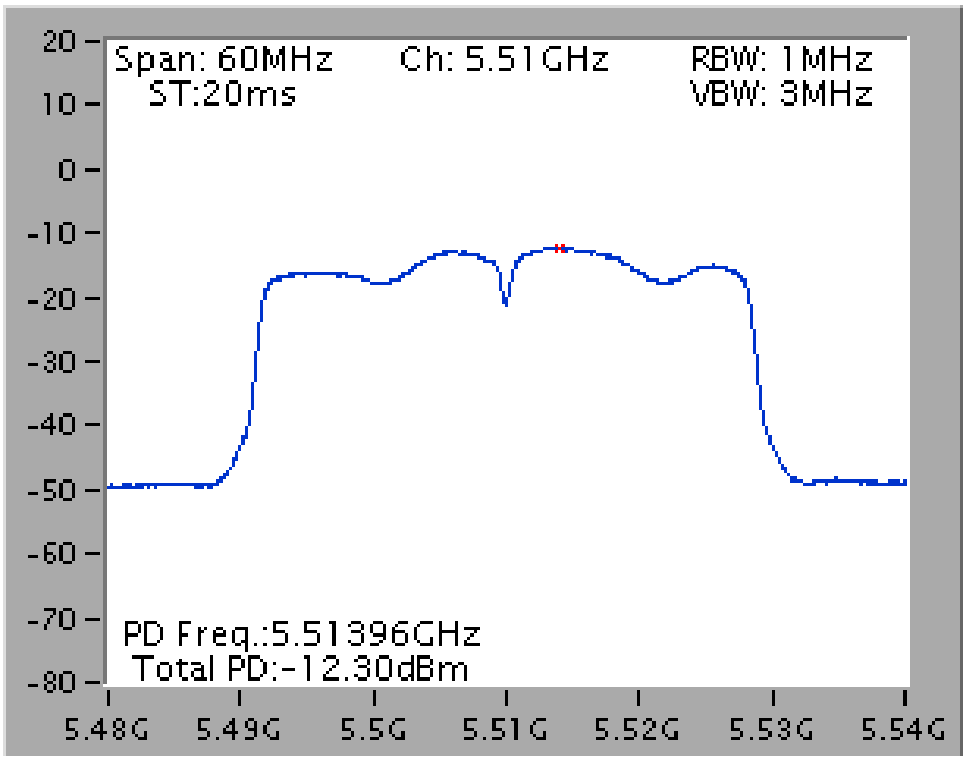
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5580 MHz



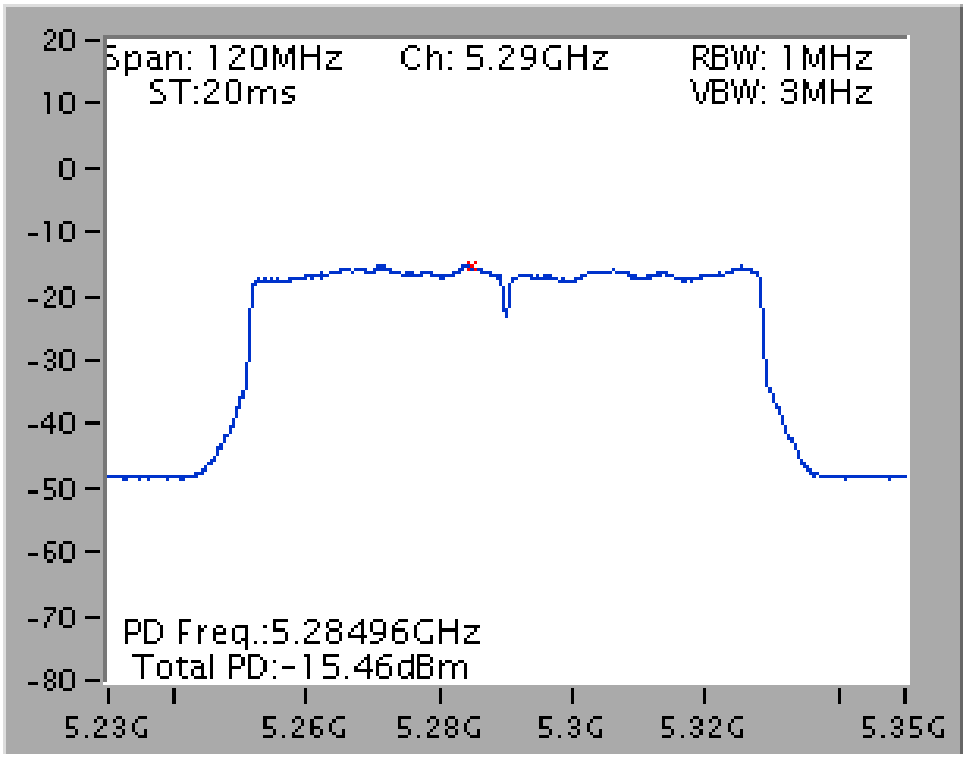
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5310 MHz



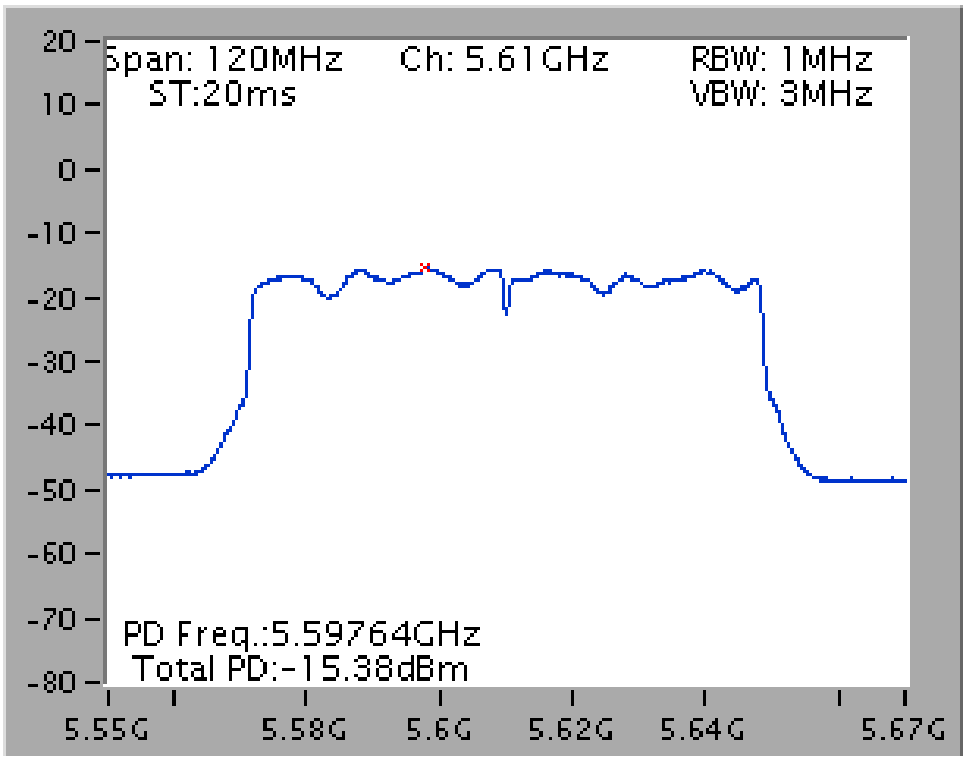
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5510 MHz



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

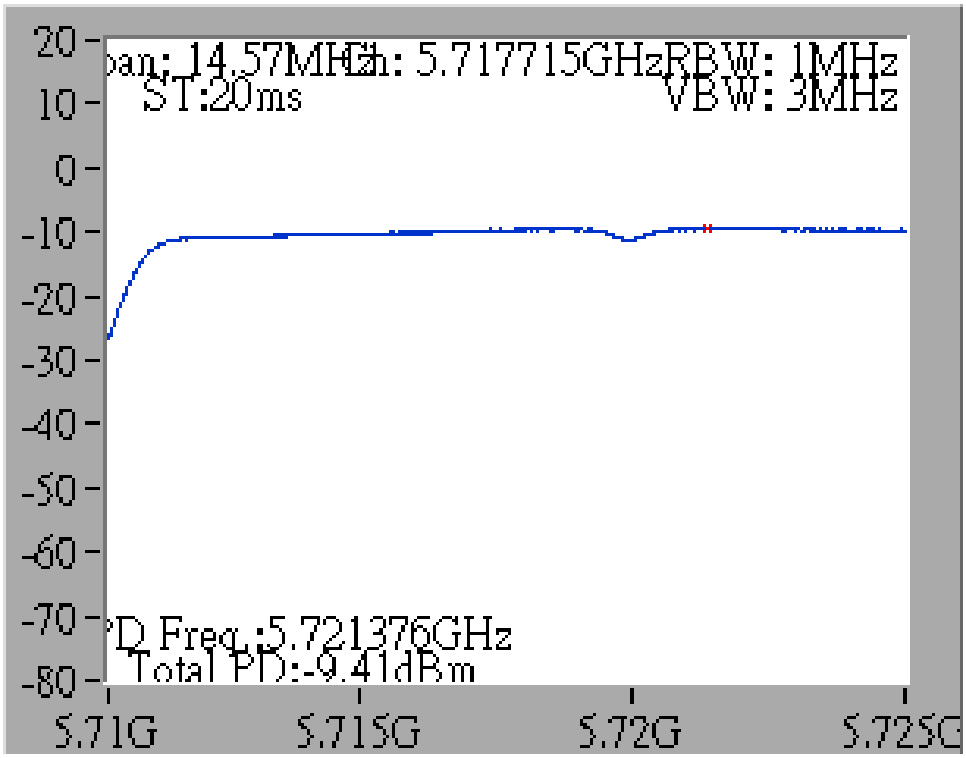


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

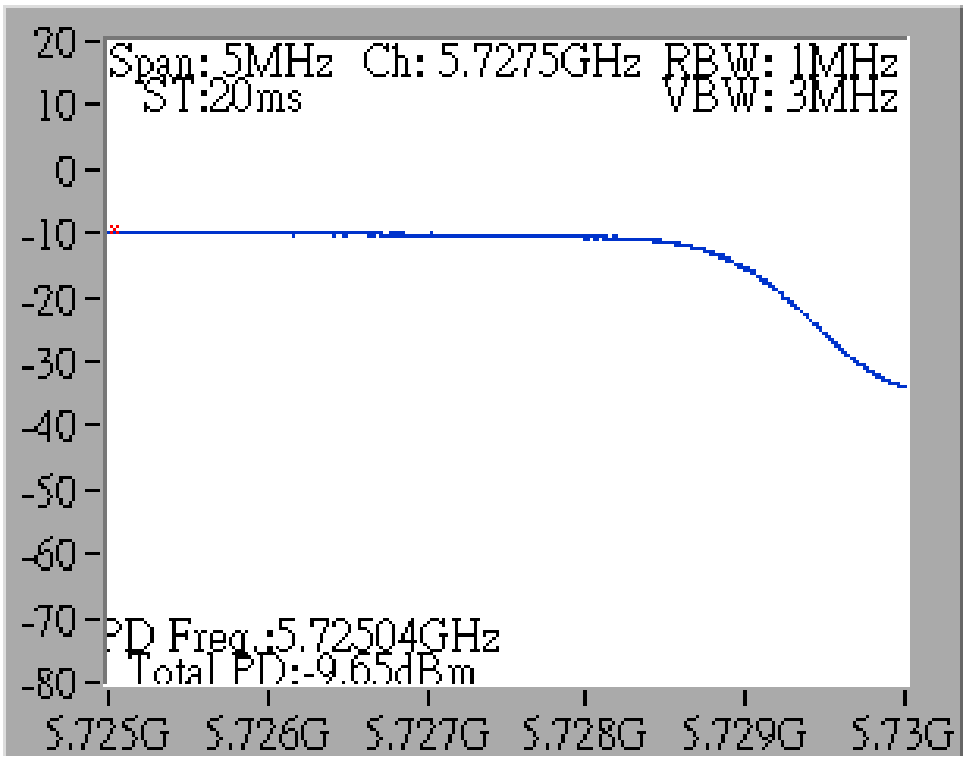


Straddle Channel

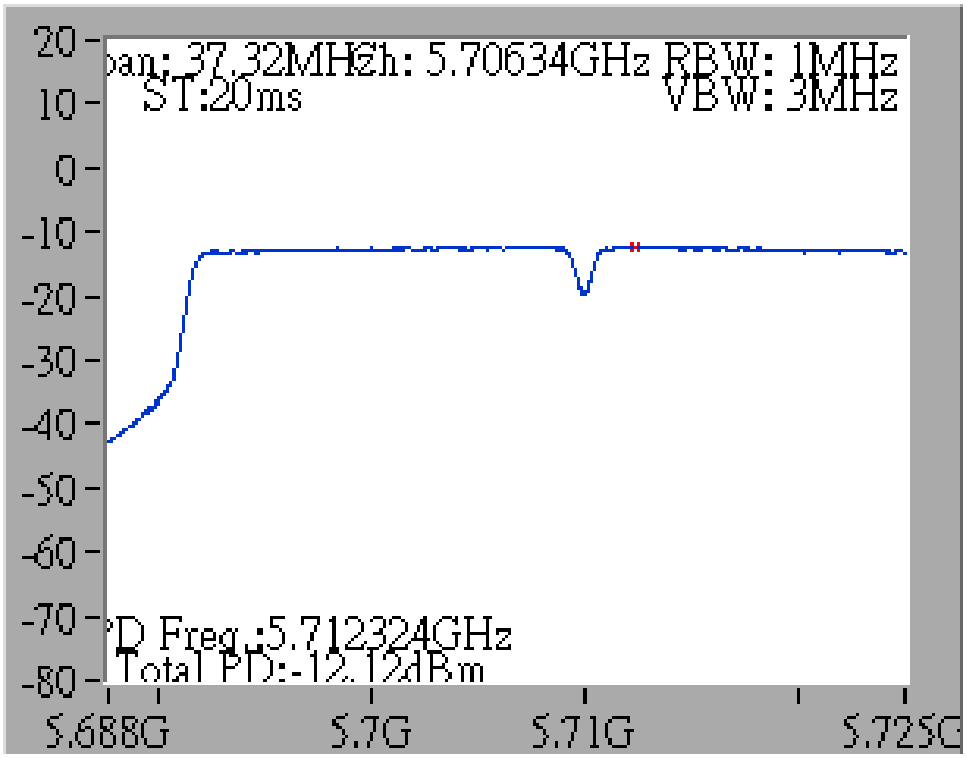
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



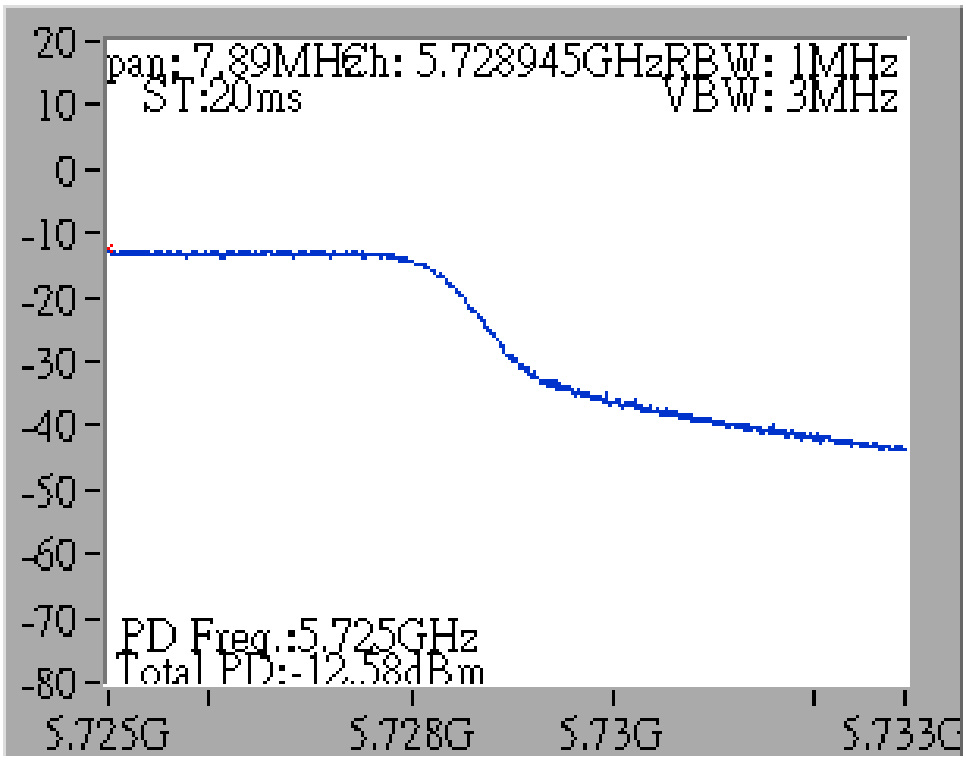
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



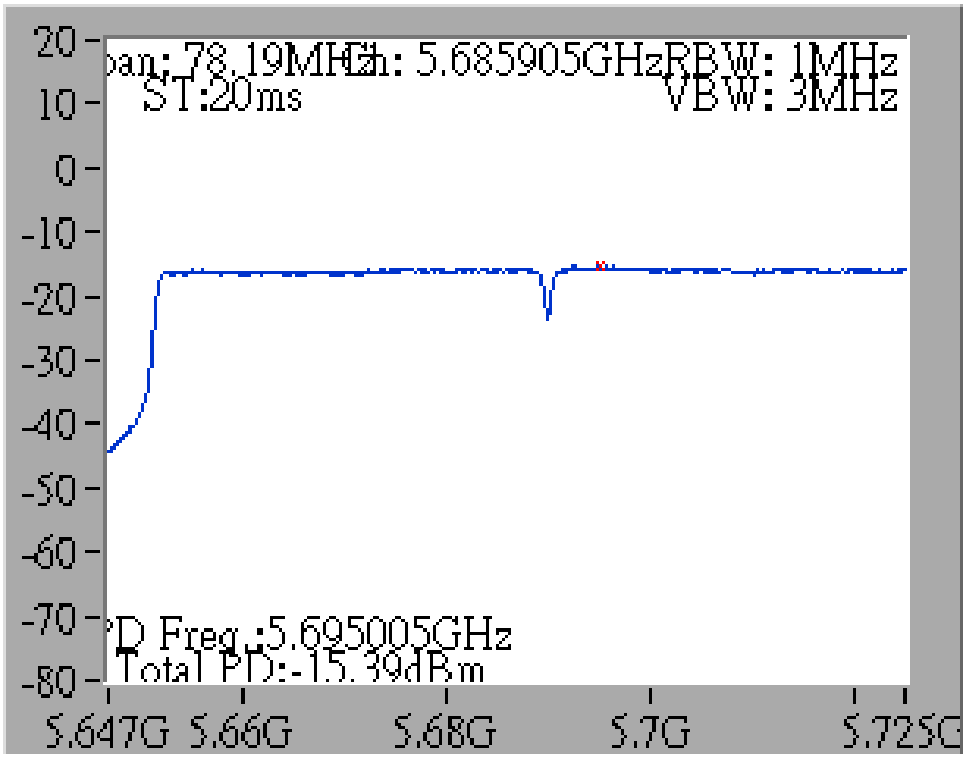
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



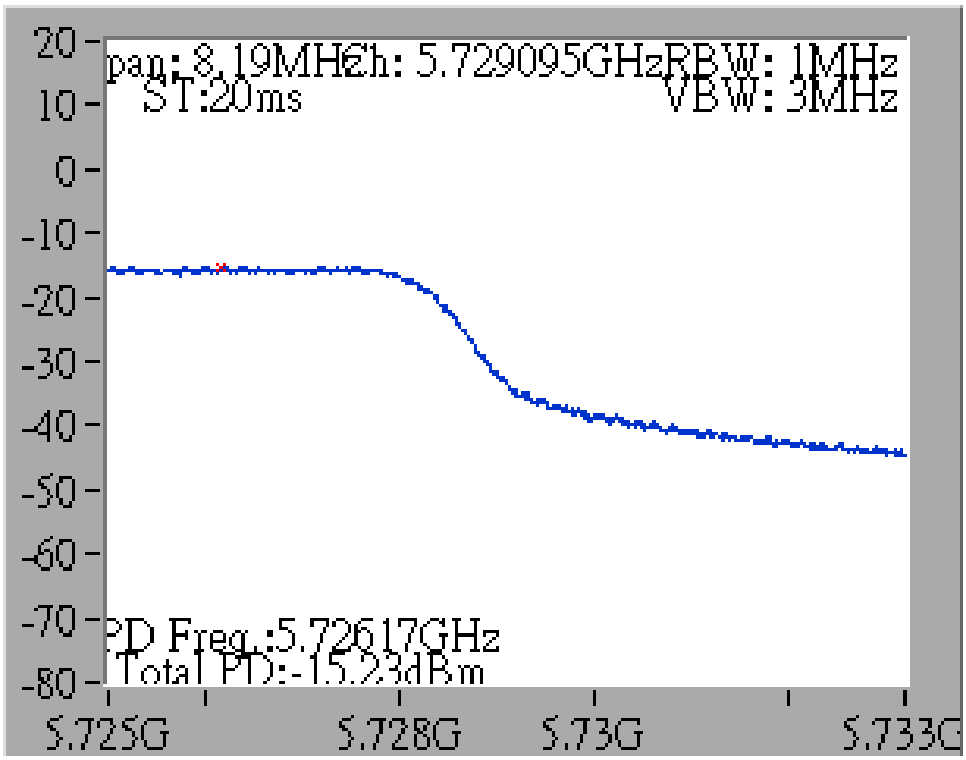
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



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

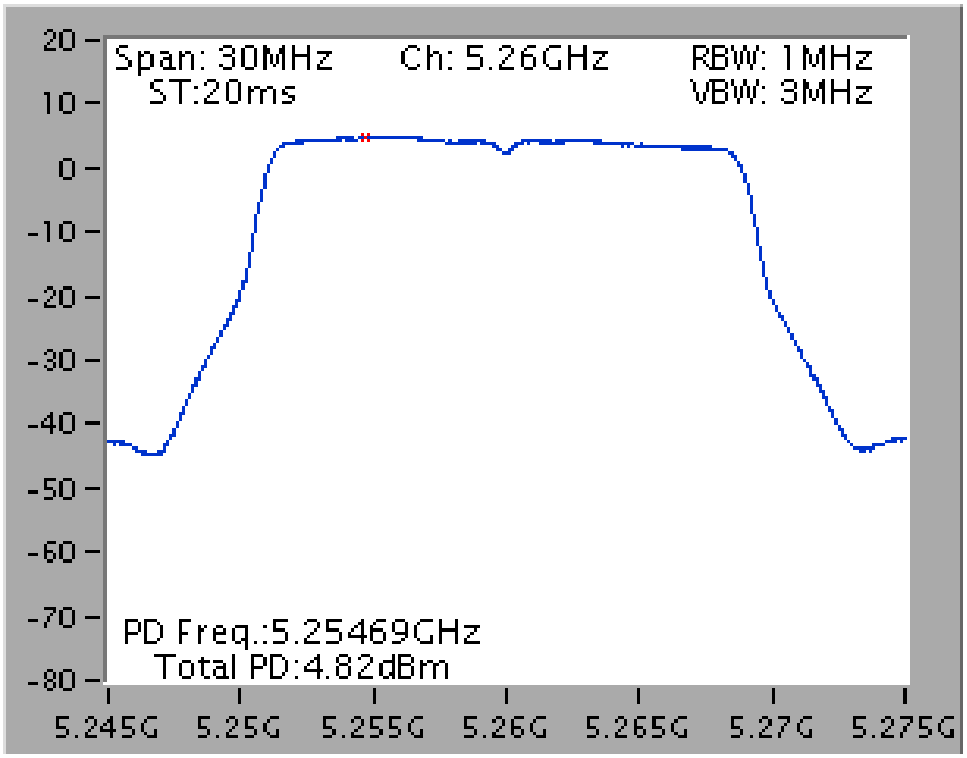


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

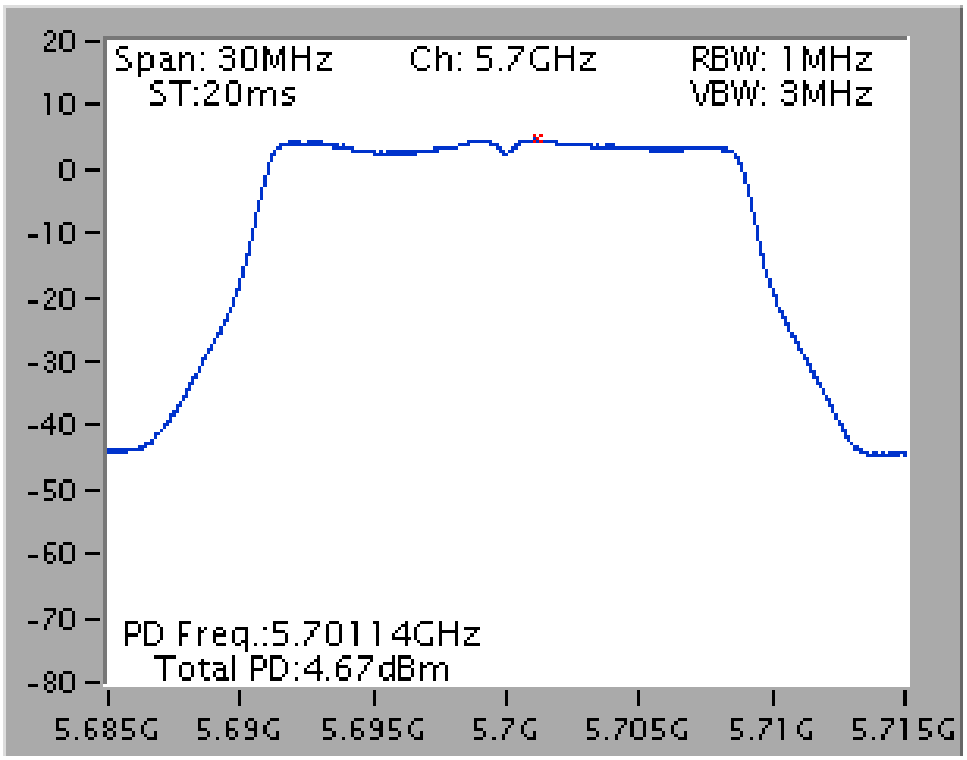


Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi

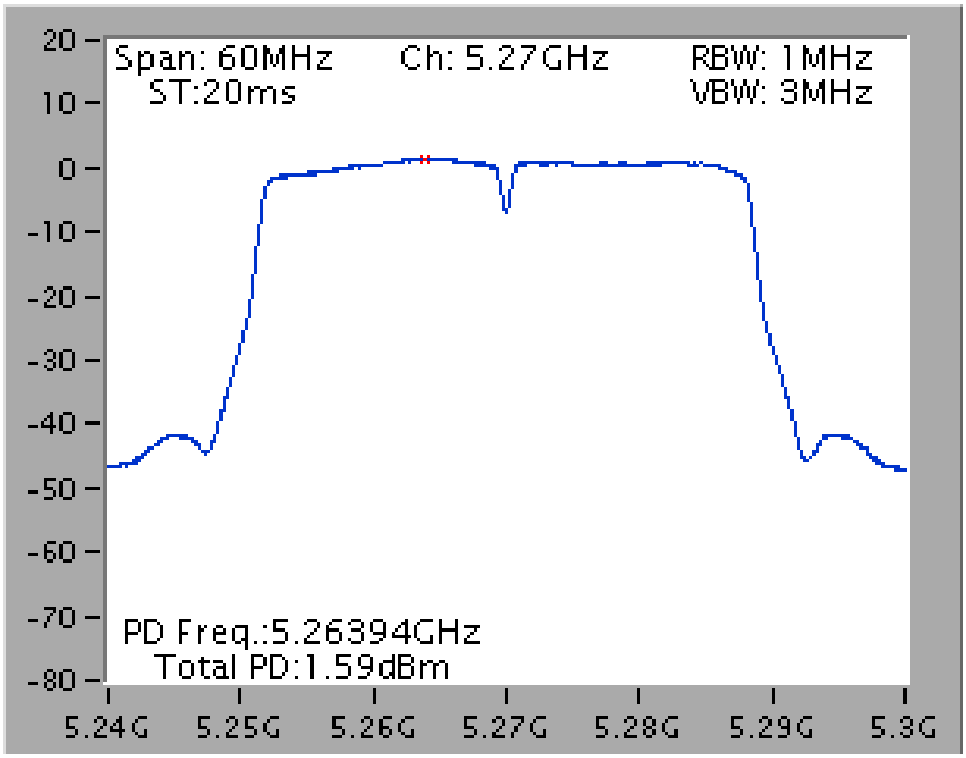
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



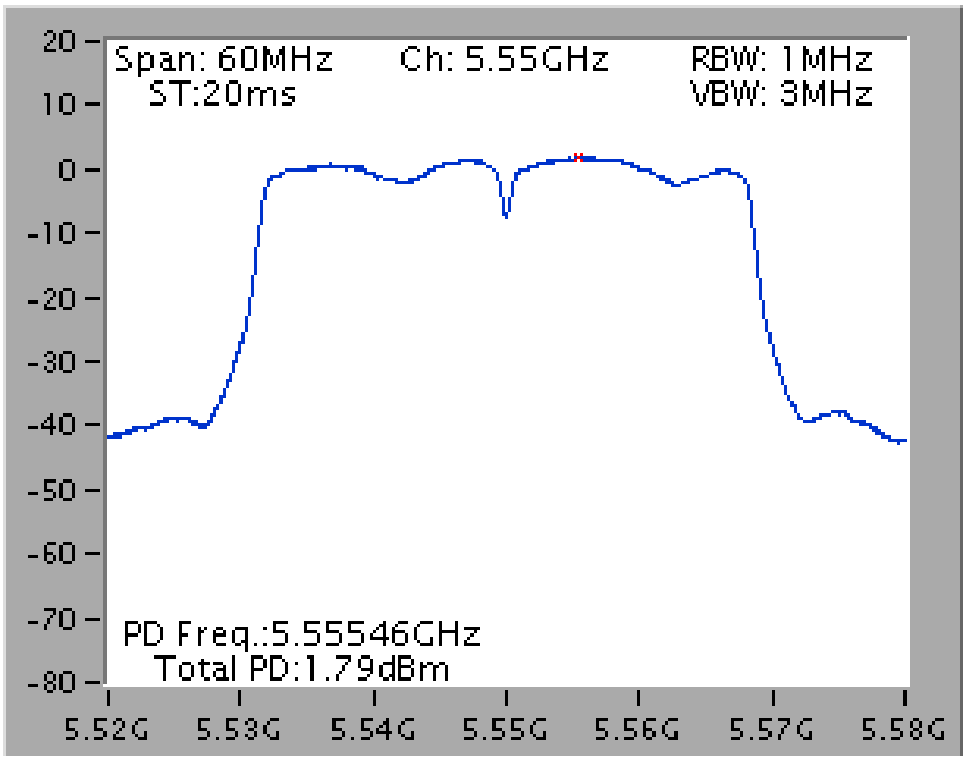
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5700 MHz



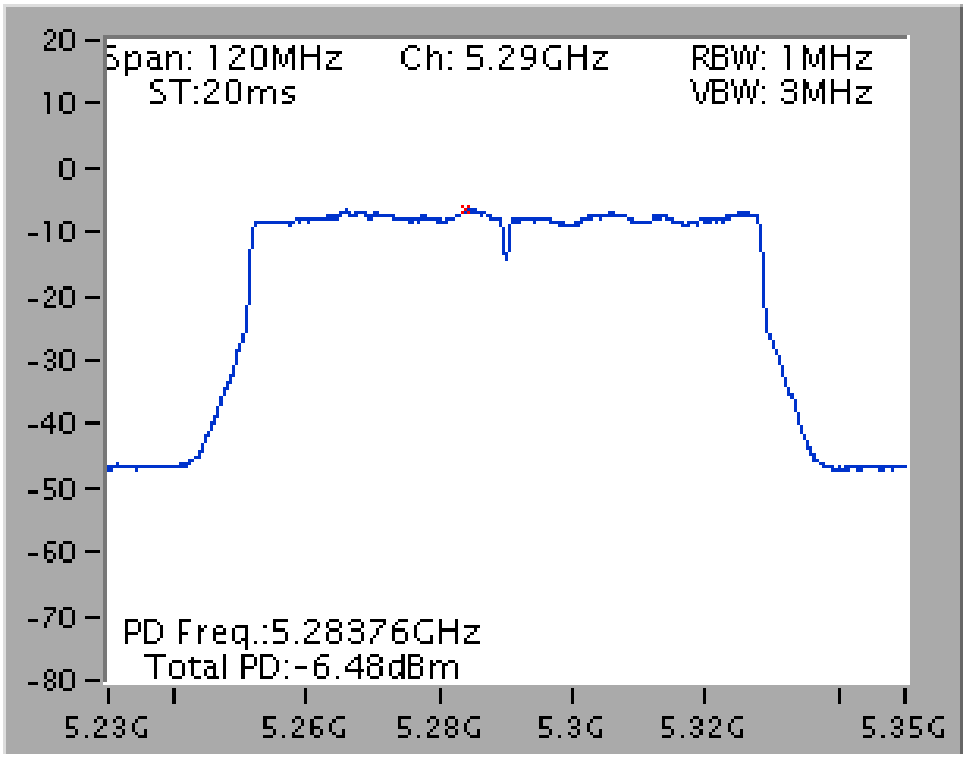
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



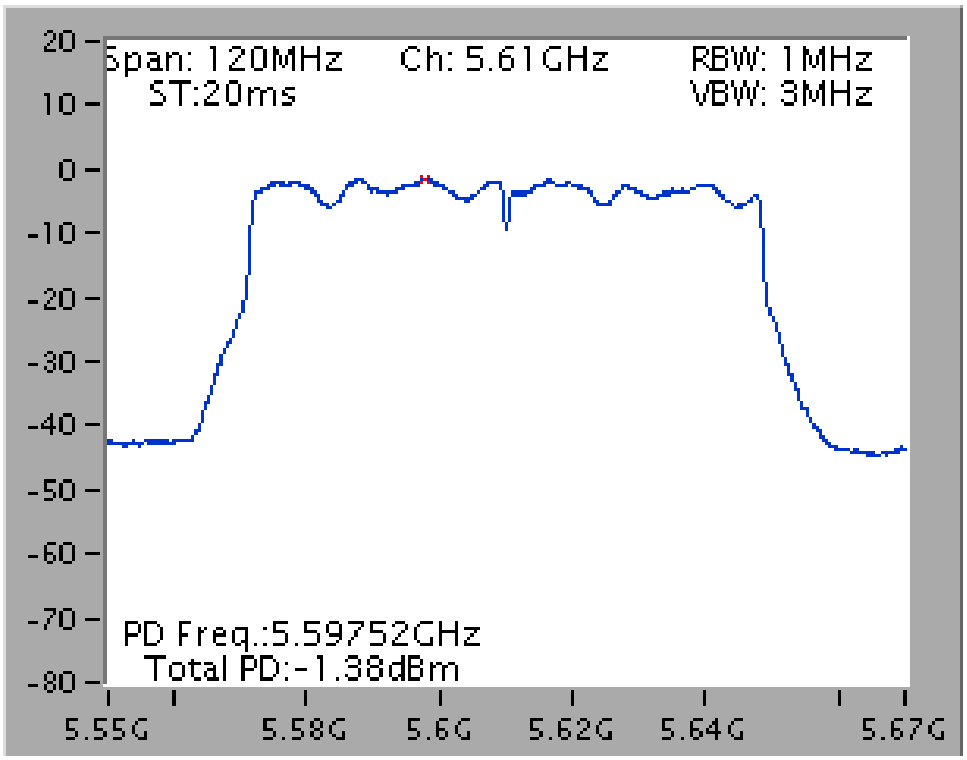
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5550 MHz



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

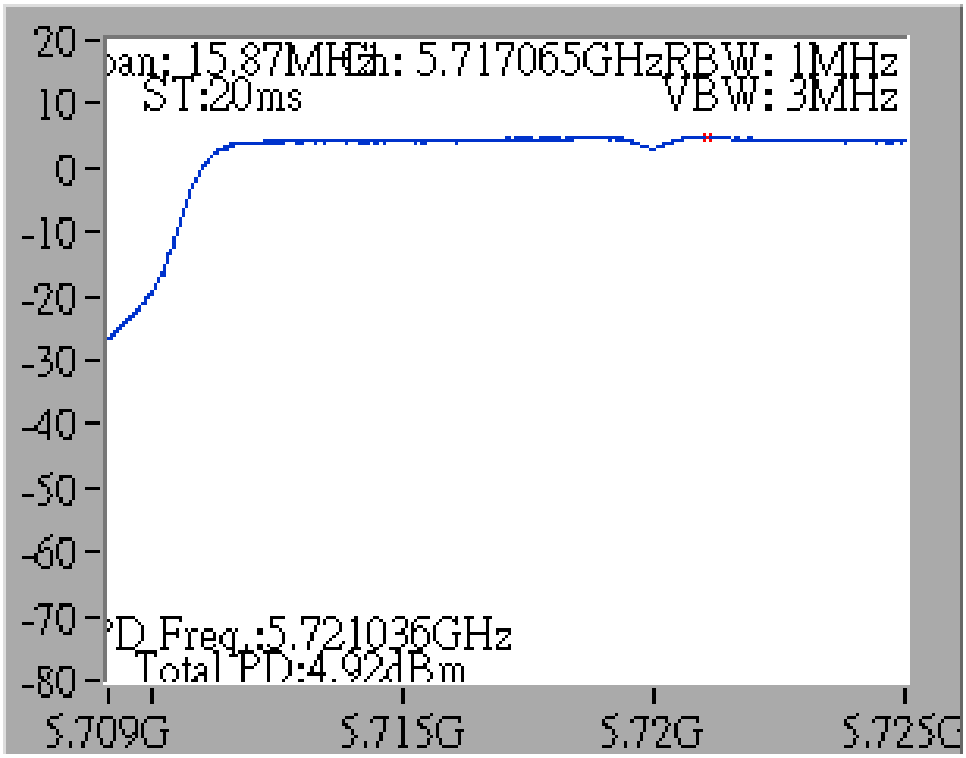


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

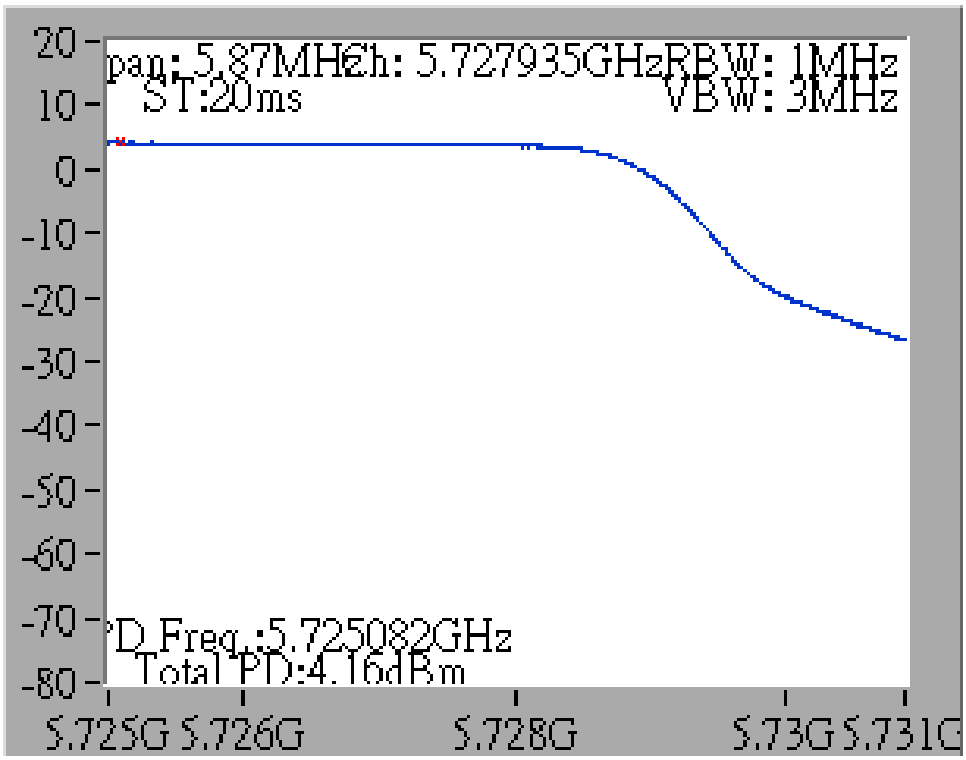


Straddle Channel

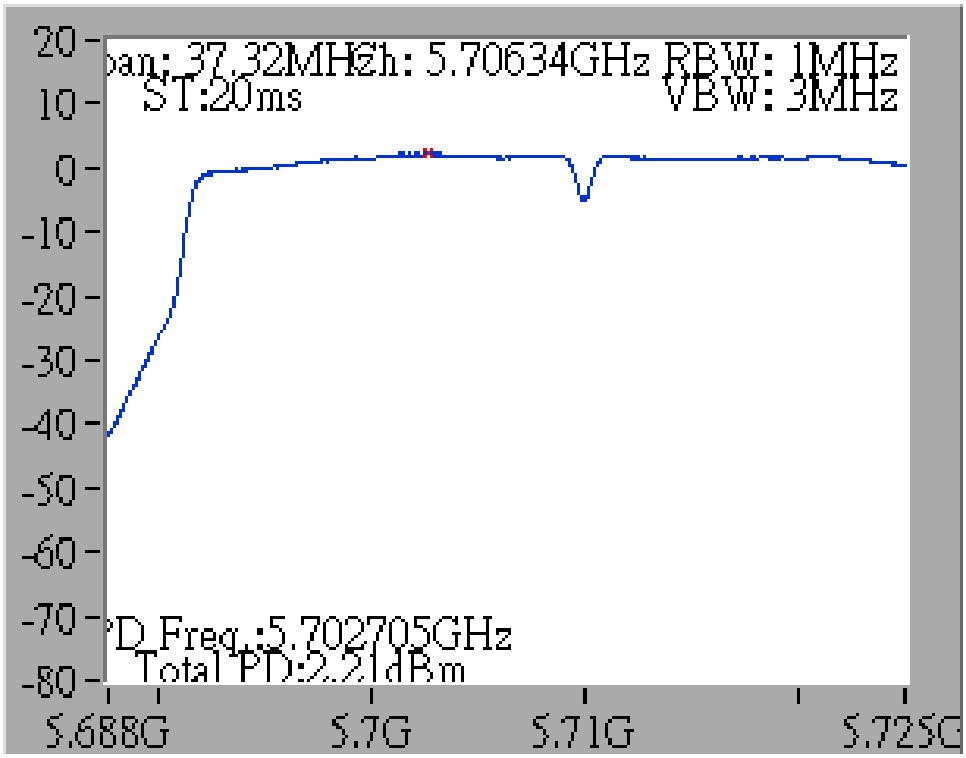
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



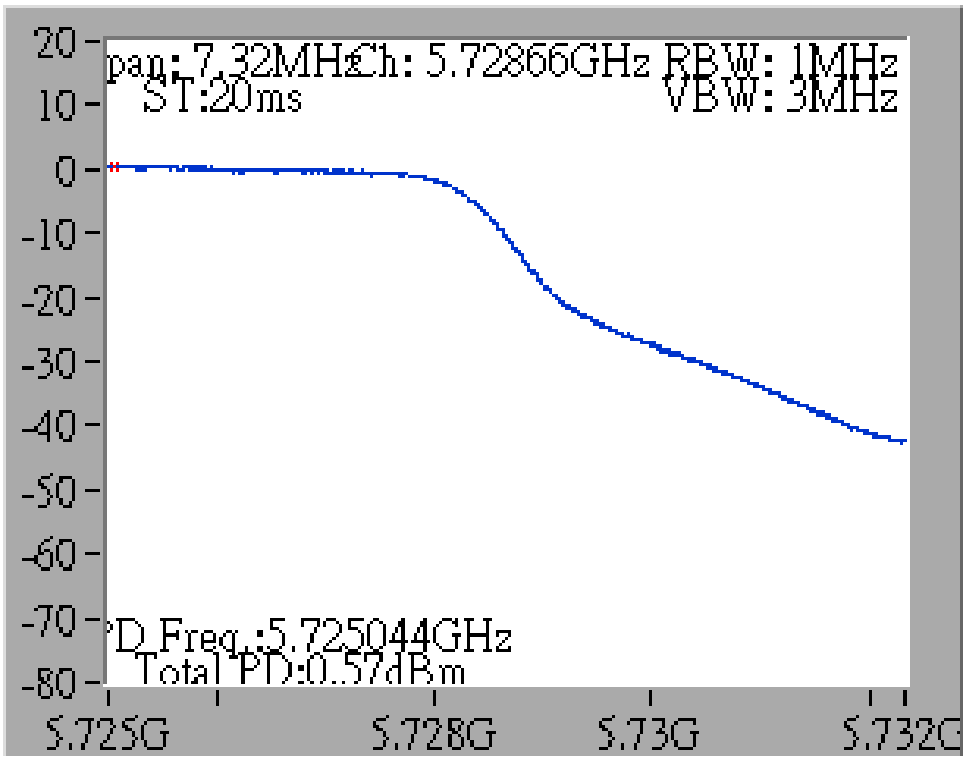
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



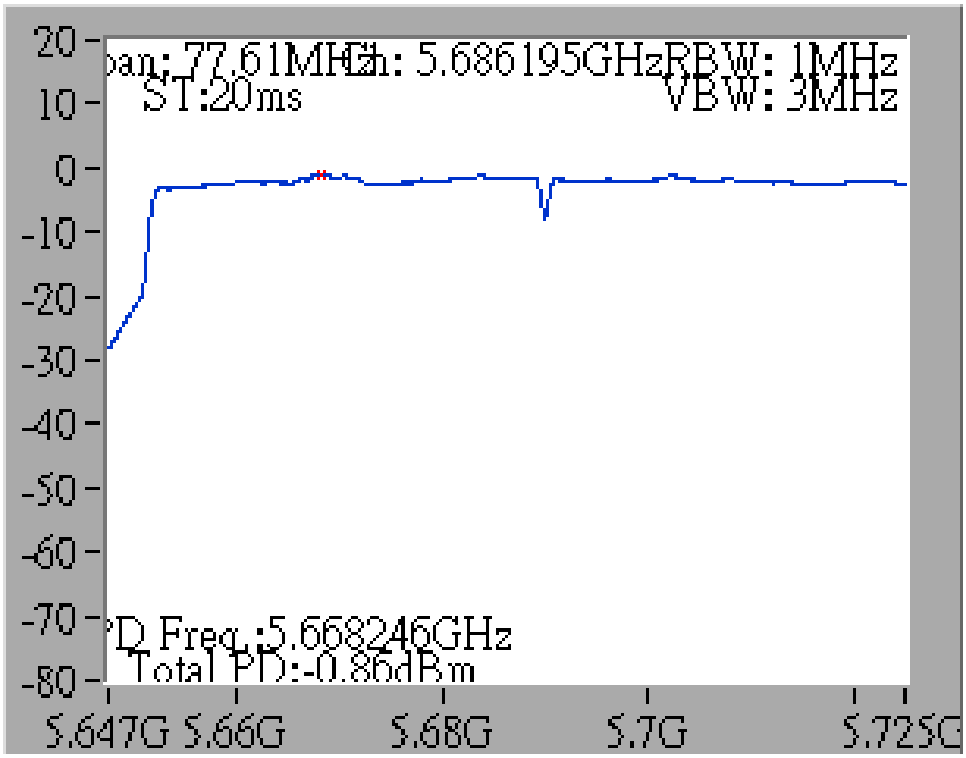
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



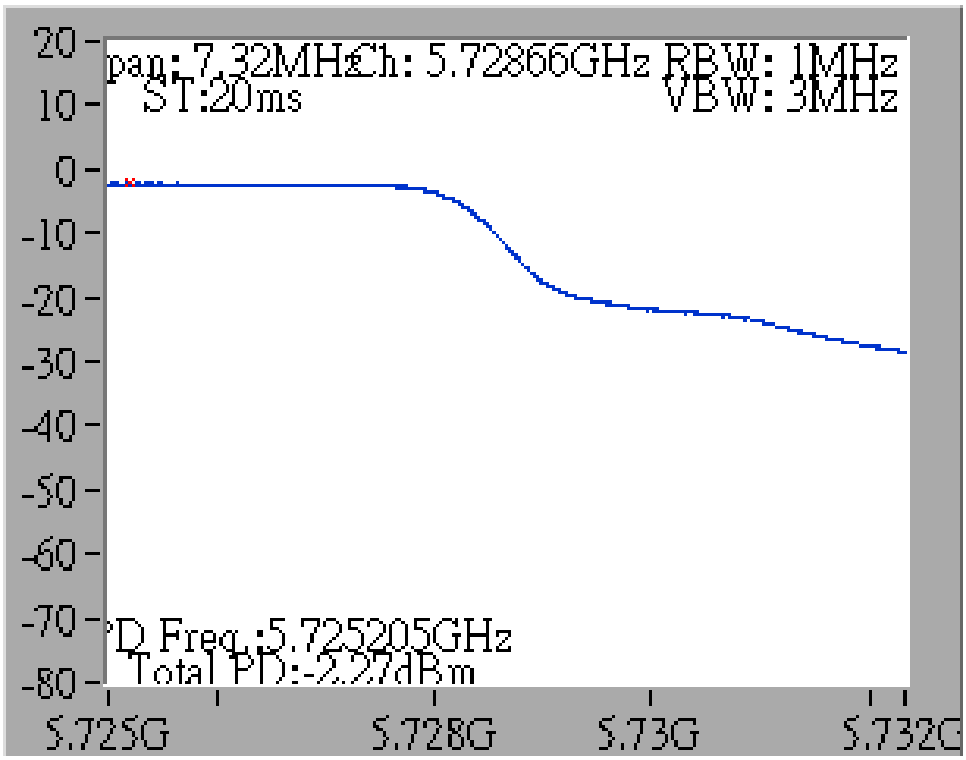
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



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

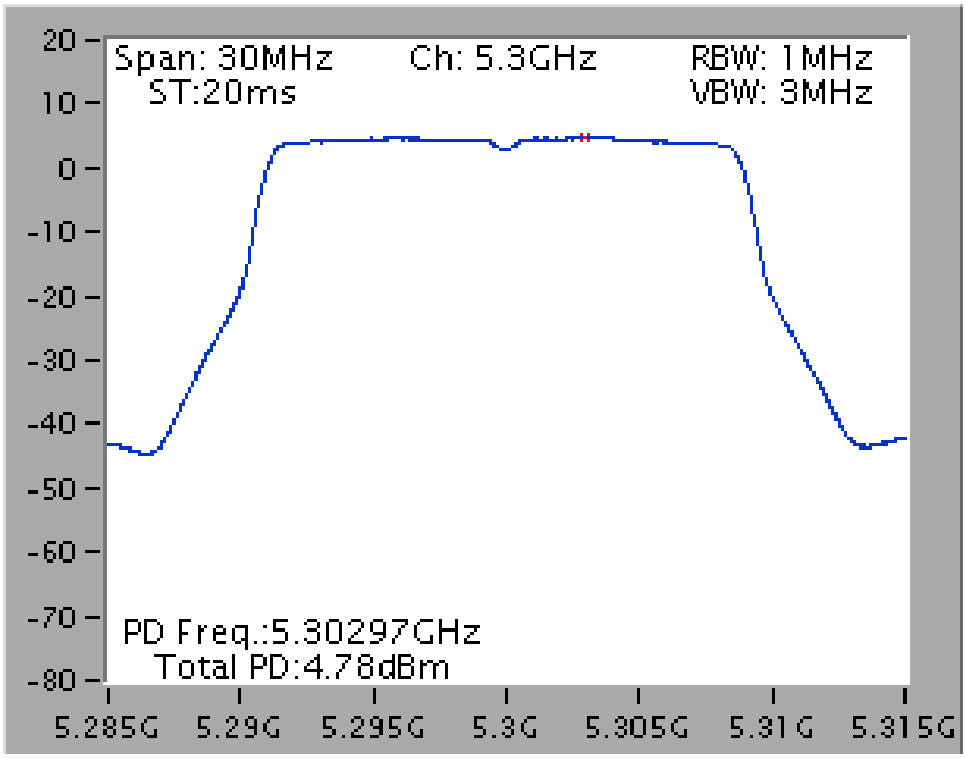


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

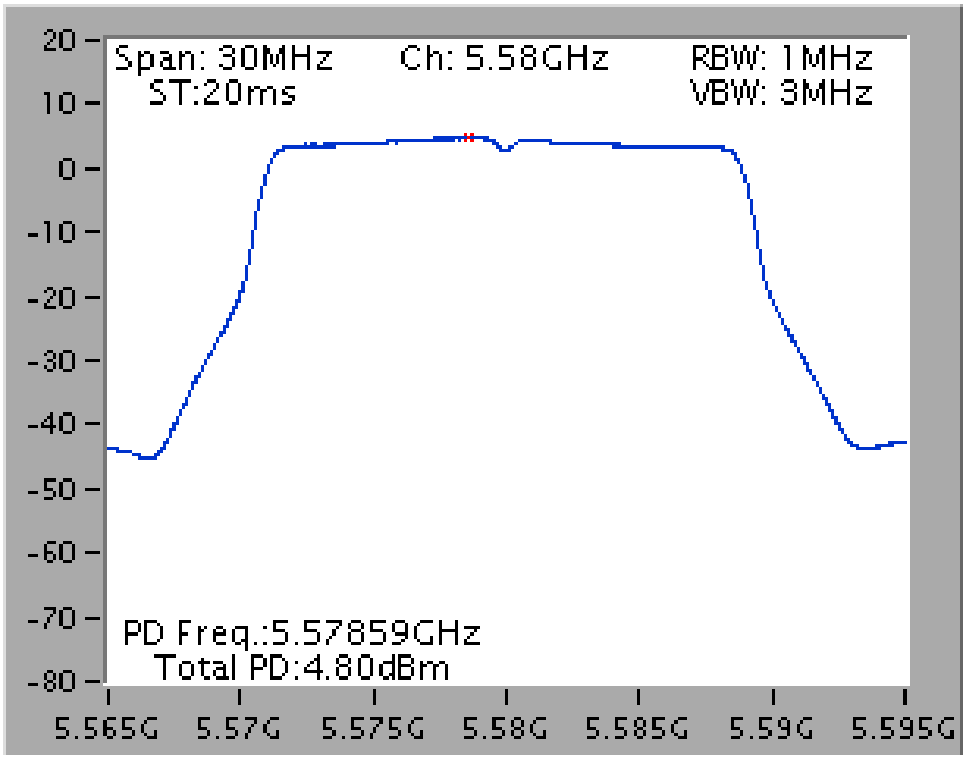


Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi

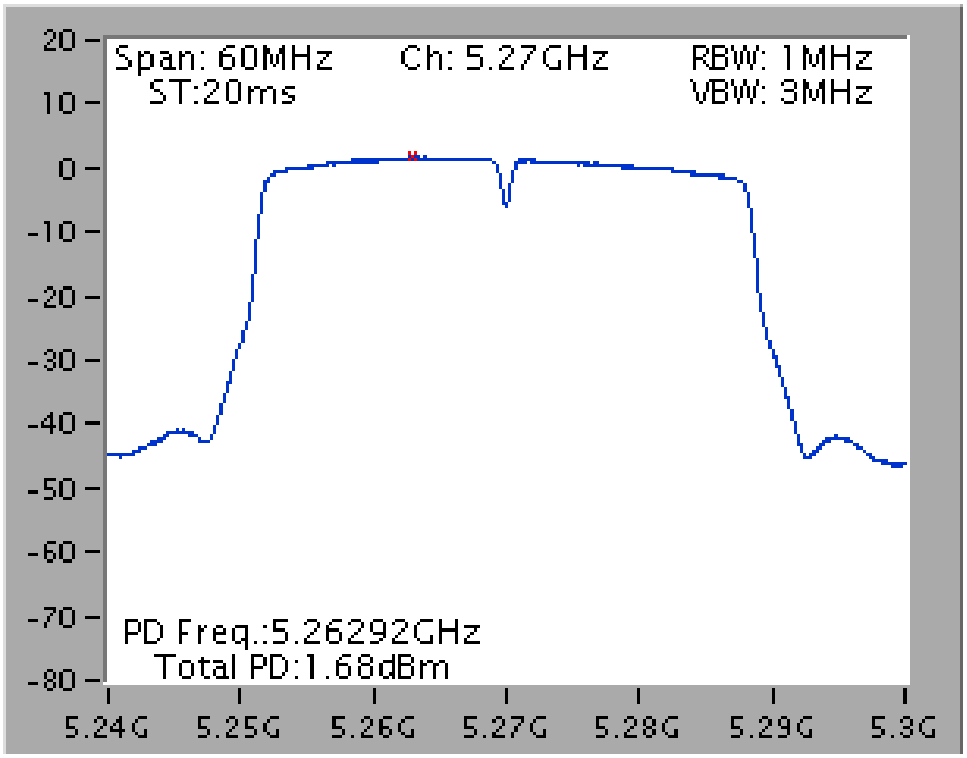
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5300 MHz



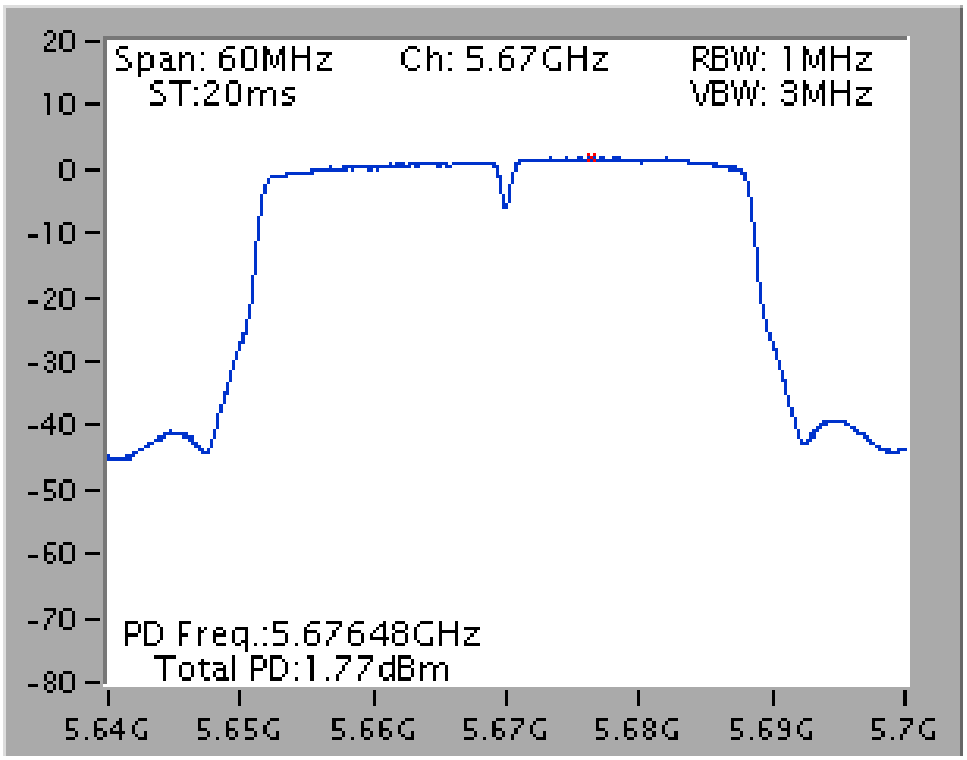
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5580 MHz



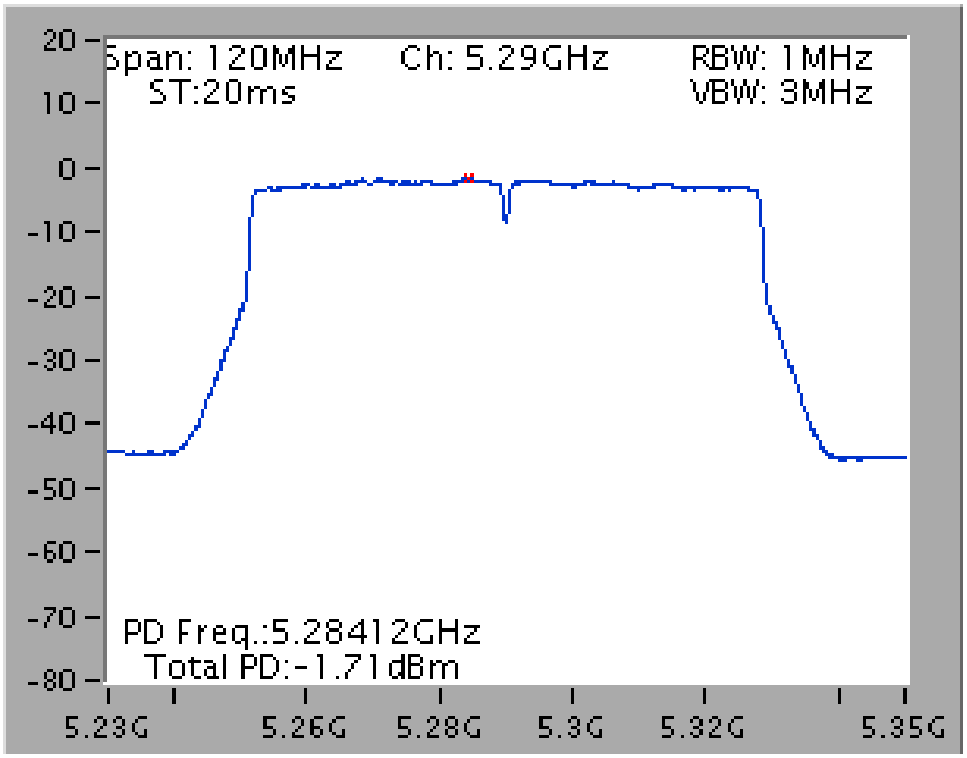
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5270 MHz



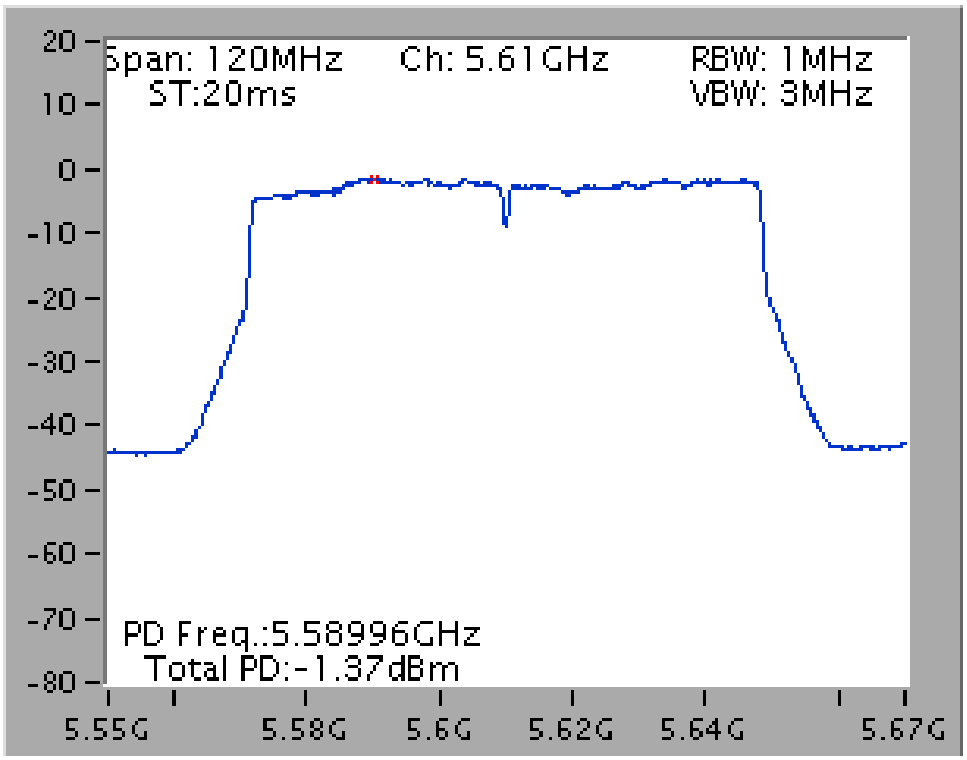
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5670 MHz



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

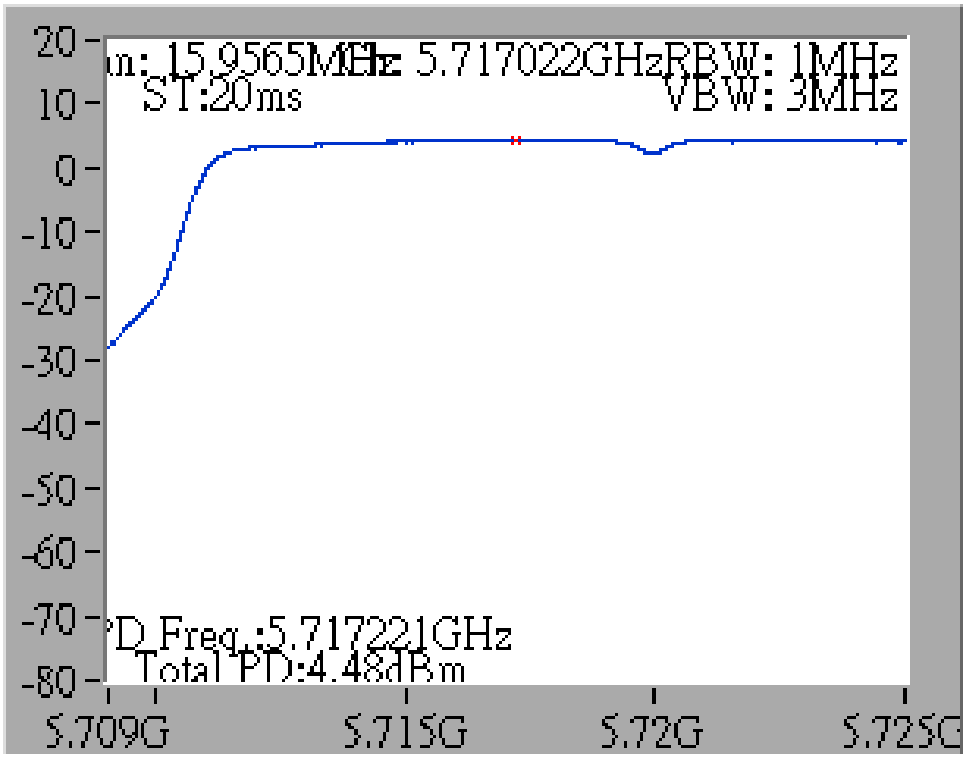


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

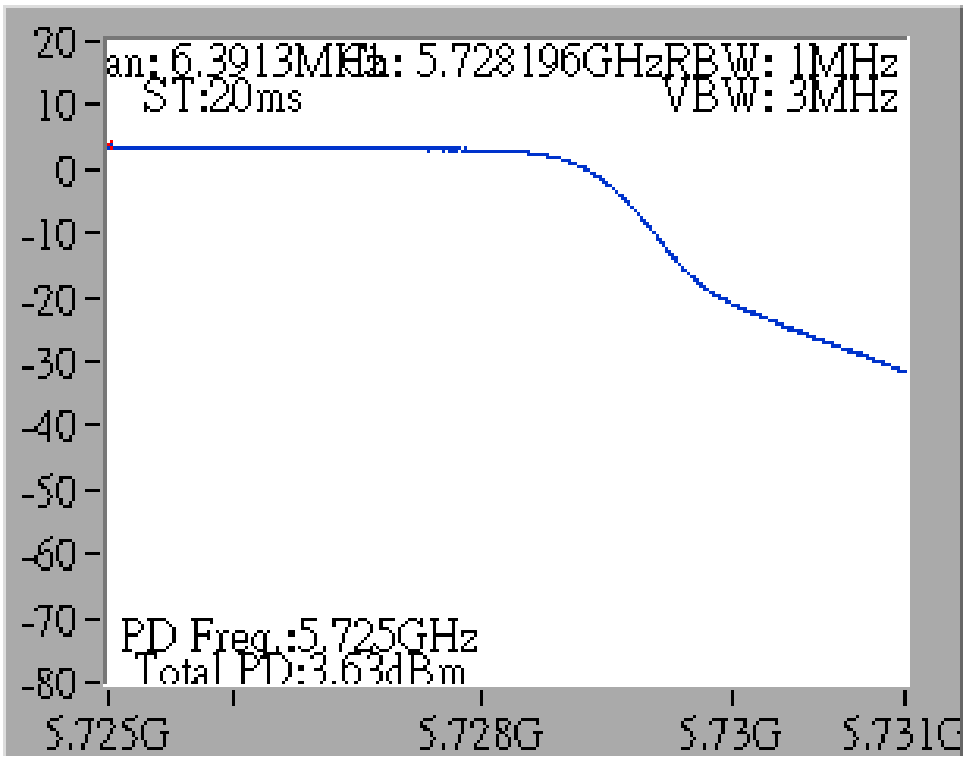


Straddle Channel

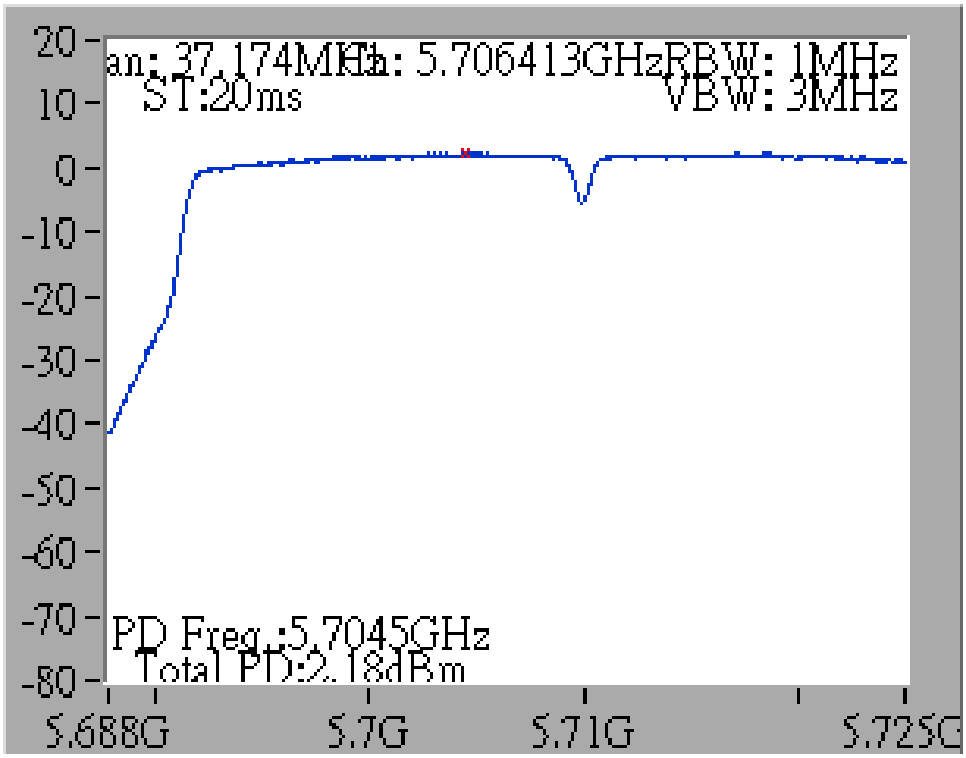
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



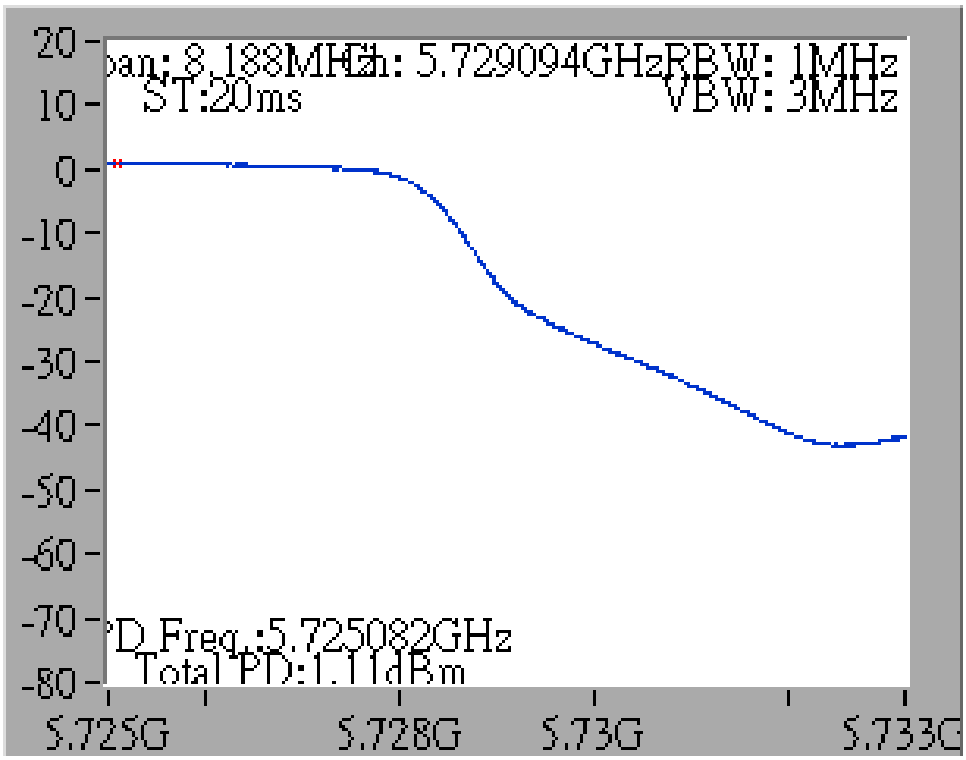
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



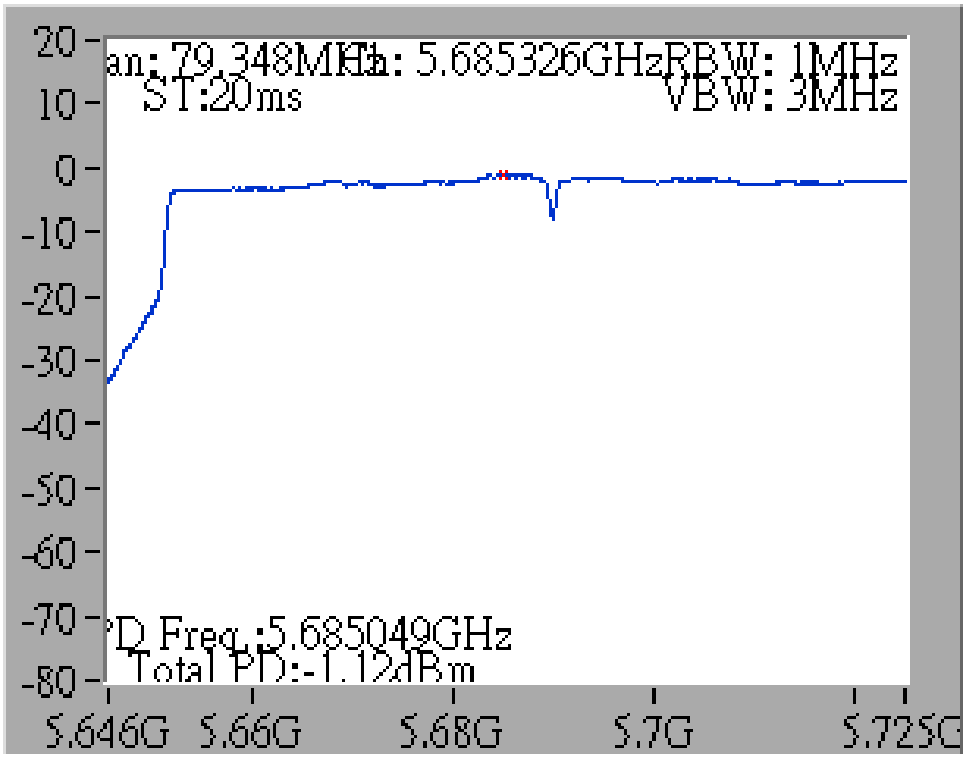
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



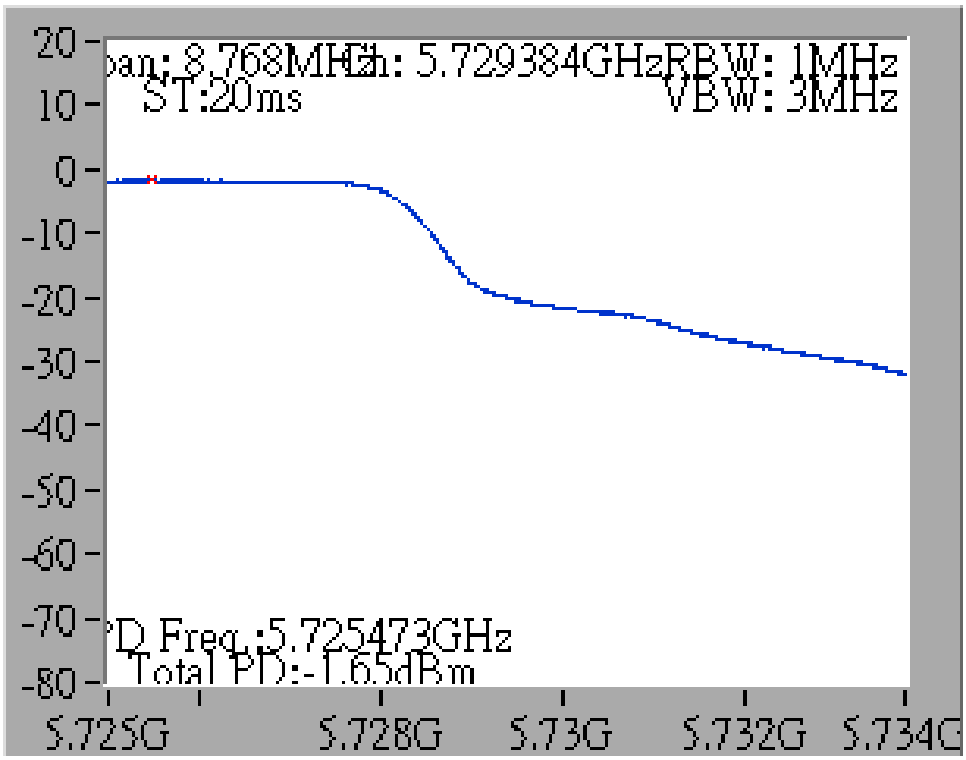
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



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)



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)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for peak

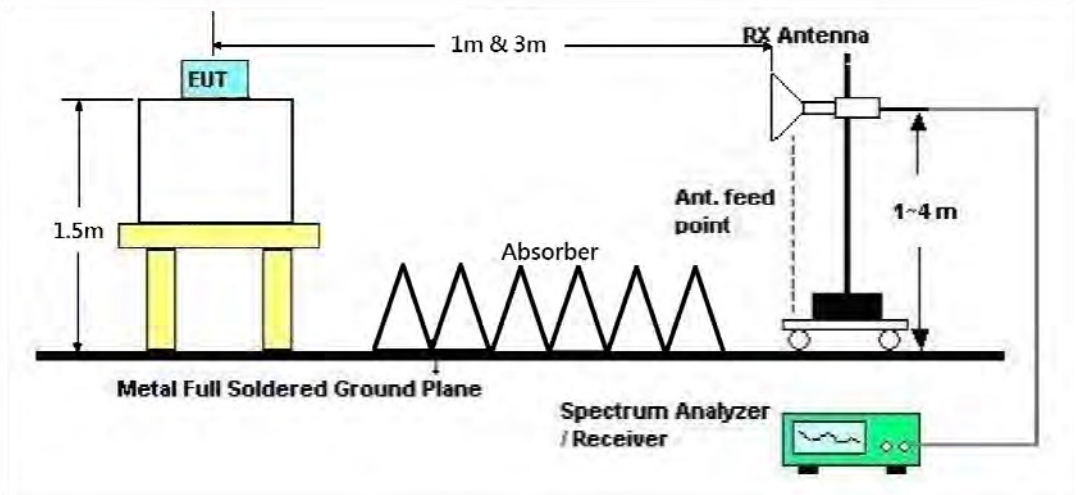
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.5.3. Test Procedures

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

4.5.4. Test Setup Layout

For Radiated Emissions: Above 1GHz



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	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	15788.90	47.52	54.00	-6.48	29.35	14.44	37.69	33.96	174	207	Average	HORIZONTAL
2	15795.20	60.14	74.00	-13.86	41.97	14.44	37.69	33.96	174	207	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	15760.50	47.59	54.00	-6.41	29.32	14.43	37.76	33.92	166	219	Average	VERTICAL
2	15796.70	59.52	74.00	-14.48	41.35	14.44	37.69	33.96	166	219	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	10601.04	41.30	54.00	-12.70	24.90	11.64	38.40	33.64	167	200	Average	HORIZONTAL
2	10609.92	54.90	74.00	-19.10	38.48	11.64	38.40	33.62	167	200	Peak	HORIZONTAL
3	15896.52	48.47	54.00	-5.53	30.50	14.48	37.55	34.06	161	192	Average	HORIZONTAL
4	15906.68	61.75	74.00	-12.25	43.78	14.48	37.55	34.06	161	192	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	10603.40	41.17	54.00	-12.83	24.77	11.64	38.40	33.64	175	175	Average	VERTICAL
2	10605.96	54.95	74.00	-19.05	38.53	11.64	38.40	33.62	175	175	Peak	VERTICAL
3	15896.60	61.94	74.00	-12.06	43.97	14.48	37.55	34.06	129	150	Peak	VERTICAL
4	15904.84	48.42	54.00	-5.58	30.45	14.48	37.55	34.06	129	150	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	10633.08	54.66	74.00	-19.34	38.19	11.69	38.40	33.62	101	197	Peak	HORIZONTAL
2	10636.12	41.44	54.00	-12.56	24.97	11.69	38.40	33.62	101	197	Average	HORIZONTAL
3	15957.56	61.62	74.00	-12.38	43.76	14.49	37.47	34.10	120	221	Peak	HORIZONTAL
4	15969.48	48.35	54.00	-5.65	30.54	14.51	37.40	34.10	120	221	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	10638.44	54.92	74.00	-19.08	38.42	11.69	38.40	33.59	151	186	Peak	VERTICAL
2	10647.84	41.67	54.00	-12.33	25.17	11.69	38.40	33.59	151	186	Average	VERTICAL
3	15951.32	48.55	54.00	-5.45	30.69	14.49	37.47	34.10	133	196	Average	VERTICAL
4	15968.84	61.97	74.00	-12.03	44.16	14.51	37.40	34.10	133	196	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	10997.04	54.57	74.00	-19.43	37.32	12.23	38.40	33.38	142	180	Peak	HORIZONTAL
2	11007.92	42.17	54.00	-11.83	24.92	12.23	38.40	33.38	142	180	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	10997.96	55.00	74.00	-19.00	37.75	12.23	38.40	33.38	146	179	Peak	VERTICAL
2	10998.28	42.31	54.00	-11.69	25.06	12.23	38.40	33.38	146	179	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	11056.68	42.11	54.00	-11.89	24.77	12.27	38.45	33.38	145	177	Average	HORIZONTAL
2	11066.08	54.32	74.00	-19.68	36.87	12.32	38.51	33.38	145	177	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	11059.80	42.05	54.00	-11.95	24.71	12.27	38.45	33.38	151	182	Average	VERTICAL
2	11065.08	55.12	74.00	-18.88	37.67	12.32	38.51	33.38	151	182	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	11395.48	43.51	54.00	-10.49	25.07	12.77	39.04	33.37	178	181	Average	HORIZONTAL
2	11398.40	56.40	74.00	-17.60	37.96	12.77	39.04	33.37	178	181	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	11404.32	55.93	74.00	-18.07	37.49	12.77	39.04	33.37	158	192	Peak	VERTICAL
2	11406.96	43.69	54.00	-10.31	25.25	12.77	39.04	33.37	158	192	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	15802.52	60.81	74.00	-13.19	42.64	14.44	37.69	33.96	181	164	Peak	HORIZONTAL
2	15819.36	47.61	54.00	-6.39	29.49	14.44	37.69	34.01	181	164	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	15800.00	60.64	74.00	-13.36	42.47	14.44	37.69	33.96	186	160	Peak	VERTICAL
2	15812.76	47.54	54.00	-6.46	29.37	14.44	37.69	33.96	186	160	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	10610.68	41.83	54.00	-12.17	25.41	11.64	38.40	33.62	156	162	Average	HORIZONTAL
2	10627.88	54.81	74.00	-19.19	38.34	11.69	38.40	33.62	156	162	Peak	HORIZONTAL
3	15931.00	48.49	54.00	-5.51	30.63	14.49	37.47	34.10	186	163	Average	HORIZONTAL
4	15937.52	61.81	74.00	-12.19	43.95	14.49	37.47	34.10	186	163	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	10610.16	41.21	54.00	-12.79	24.79	11.64	38.40	33.62	175	146	Average	VERTICAL
2	10618.04	55.18	74.00	-18.82	38.76	11.64	38.40	33.62	175	146	Peak	VERTICAL
3	15929.64	61.03	74.00	-12.97	43.17	14.49	37.47	34.10	167	141	Peak	VERTICAL
4	15937.76	48.48	54.00	-5.52	30.62	14.49	37.47	34.10	167	141	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	11026.68	41.91	54.00	-12.09	24.66	12.23	38.40	33.38	150	172	Average	HORIZONTAL
2	11027.80	55.68	74.00	-18.32	38.43	12.23	38.40	33.38	150	172	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	11027.36	41.92	54.00	-12.08	24.67	12.23	38.40	33.38	155	162	Average	VERTICAL
2	11028.80	54.34	74.00	-19.66	37.00	12.27	38.45	33.38	155	162	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	11092.16	42.73	54.00	-11.27	25.19	12.36	38.56	33.38	155	170	Average	HORIZONTAL
2	11107.28	54.45	74.00	-19.55	36.91	12.36	38.56	33.38	155	170	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	11105.24	42.95	54.00	-11.05	25.41	12.36	38.56	33.38	148	152	Average	VERTICAL
2	11106.32	55.17	74.00	-18.83	37.63	12.36	38.56	33.38	148	152	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	11339.60	56.70	74.00	-17.30	38.46	12.68	38.93	33.37	180	196	Peak	HORIZONTAL
2	11349.12	43.55	54.00	-10.45	25.31	12.68	38.93	33.37	180	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	11346.32	43.42	54.00	-10.58	25.18	12.68	38.93	33.37	171	190	Average	VERTICAL
2	11348.16	56.27	74.00	-17.73	38.03	12.68	38.93	33.37	171	190	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	15871.20	60.49	74.00	-13.51	42.47	14.46	37.62	34.06	129	168	Peak	HORIZONTAL
2	15878.32	48.27	54.00	-5.73	30.30	14.48	37.55	34.06	129	168	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	15867.72	61.73	74.00	-12.27	43.71	14.46	37.62	34.06	164	170	Peak	VERTICAL
2	15875.12	48.13	54.00	-5.87	30.16	14.48	37.55	34.06	164	170	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	11053.68	41.05	54.00	-12.95	23.71	12.27	38.45	33.38	140	183	Average	HORIZONTAL
2	11061.08	54.67	74.00	-19.33	37.22	12.32	38.51	33.38	140	183	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	11060.40	54.97	74.00	-19.03	37.52	12.32	38.51	33.38	152	176	Peak	VERTICAL
2	11065.52	41.98	54.00	-12.02	24.53	12.32	38.51	33.38	152	176	Average	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	11221.12	42.39	54.00	-11.61	24.46	12.54	38.77	33.38	151	191	Average	HORIZONTAL
2	11223.32	55.04	74.00	-18.96	37.11	12.54	38.77	33.38	151	191	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	11220.52	54.97	74.00	-19.03	37.13	12.50	38.72	33.38	160	168	Peak	VERTICAL
2	11228.20	42.33	54.00	-11.67	24.40	12.54	38.77	33.38	160	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.

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	11436.40	43.41	54.00	-10.59	24.88	12.81	39.09	33.37	182	187	Average	HORIZONTAL
2	11439.40	56.20	74.00	-17.80	37.67	12.81	39.09	33.37	182	187	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	11433.36	56.68	74.00	-17.32	38.15	12.81	39.09	33.37	195	199	Peak	VERTICAL
2	11433.64	43.54	54.00	-10.46	25.01	12.81	39.09	33.37	195	199	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	11417.60	42.81	54.00	-11.19	24.28	12.81	39.09	33.37	193	192	Average	HORIZONTAL
2	11421.04	55.80	74.00	-18.20	37.27	12.81	39.09	33.37	193	192	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	11414.60	42.13	54.00	-11.87	23.69	12.77	39.04	33.37	162	185	Average	VERTICAL
2	11417.96	56.69	74.00	-17.31	38.16	12.81	39.09	33.37	162	185	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 10, 2015		
Test Mode	Mode 1: EUT 1 + Set 1 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	11375.08	42.82	54.00	-11.18	24.48	12.72	38.99	33.37	169	221	Average	HORIZONTAL
2	11388.96	56.32	74.00	-17.68	37.88	12.77	39.04	33.37	169	221	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	11377.28	56.19	74.00	-17.81	37.85	12.72	38.99	33.37	185	211	Peak	VERTICAL
2	11378.32	43.45	54.00	-10.55	25.11	12.72	38.99	33.37	185	211	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	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	15788.90	47.52	54.00	-6.48	29.35	14.44	37.69	33.96	174	207	Average	HORIZONTAL
2	15795.20	60.14	74.00	-13.86	41.97	14.44	37.69	33.96	174	207	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	15760.50	47.59	54.00	-6.41	29.32	14.43	37.76	33.92	166	219	Average	VERTICAL
2	15796.70	59.52	74.00	-14.48	41.35	14.44	37.69	33.96	166	219	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	10601.04	41.30	54.00	-12.70	24.90	11.64	38.40	33.64	167	200	Average	HORIZONTAL
2	10609.92	54.90	74.00	-19.10	38.48	11.64	38.40	33.62	167	200	Peak	HORIZONTAL
3	15896.52	48.47	54.00	-5.53	30.50	14.48	37.55	34.06	161	192	Average	HORIZONTAL
4	15906.68	61.75	74.00	-12.25	43.78	14.48	37.55	34.06	161	192	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	10603.40	41.17	54.00	-12.83	24.77	11.64	38.40	33.64	175	175	Average	VERTICAL
2	10605.96	54.95	74.00	-19.05	38.53	11.64	38.40	33.62	175	175	Peak	VERTICAL
3	15896.60	61.94	74.00	-12.06	43.97	14.48	37.55	34.06	129	150	Peak	VERTICAL
4	15904.84	48.42	54.00	-5.58	30.45	14.48	37.55	34.06	129	150	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	10633.08	54.66	74.00	-19.34	38.19	11.69	38.40	33.62	101	197	Peak	HORIZONTAL
2	10636.12	41.44	54.00	-12.56	24.97	11.69	38.40	33.62	101	197	Average	HORIZONTAL
3	15957.56	61.62	74.00	-12.38	43.76	14.49	37.47	34.10	120	221	Peak	HORIZONTAL
4	15969.48	48.35	54.00	-5.65	30.54	14.51	37.40	34.10	120	221	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	10638.44	54.92	74.00	-19.08	38.42	11.69	38.40	33.59	151	186	Peak	VERTICAL
2	10647.84	41.67	54.00	-12.33	25.17	11.69	38.40	33.59	151	186	Average	VERTICAL
3	15951.32	48.55	54.00	-5.45	30.69	14.49	37.47	34.10	133	196	Average	VERTICAL
4	15968.84	61.97	74.00	-12.03	44.16	14.51	37.40	34.10	133	196	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	10997.04	54.57	74.00	-19.43	37.32	12.23	38.40	33.38	142	180	Peak	HORIZONTAL
2	11007.92	42.17	54.00	-11.83	24.92	12.23	38.40	33.38	142	180	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	10997.96	55.00	74.00	-19.00	37.75	12.23	38.40	33.38	146	179	Peak	VERTICAL
2	10998.28	42.31	54.00	-11.69	25.06	12.23	38.40	33.38	146	179	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	11056.68	42.11	54.00	-11.89	24.77	12.27	38.45	33.38	145	177	Average	HORIZONTAL
2	11066.08	54.32	74.00	-19.68	36.87	12.32	38.51	33.38	145	177	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	11059.80	42.05	54.00	-11.95	24.71	12.27	38.45	33.38	151	182	Average	VERTICAL
2	11065.08	55.12	74.00	-18.88	37.67	12.32	38.51	33.38	151	182	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	11395.48	43.51	54.00	-10.49	25.07	12.77	39.04	33.37	178	181	Average	HORIZONTAL
2	11398.40	56.40	74.00	-17.60	37.96	12.77	39.04	33.37	178	181	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	11404.32	55.93	74.00	-18.07	37.49	12.77	39.04	33.37	158	192	Peak	VERTICAL
2	11406.96	43.69	54.00	-10.31	25.25	12.77	39.04	33.37	158	192	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	15802.52	60.81	74.00	-13.19	42.64	14.44	37.69	33.96	181	164	Peak	HORIZONTAL
2	15819.36	47.61	54.00	-6.39	29.49	14.44	37.69	34.01	181	164	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	15800.00	60.64	74.00	-13.36	42.47	14.44	37.69	33.96	186	160	Peak	VERTICAL
2	15812.76	47.54	54.00	-6.46	29.37	14.44	37.69	33.96	186	160	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	10610.68	41.83	54.00	-12.17	25.41	11.64	38.40	33.62	156	162	Average	HORIZONTAL
2	10627.88	54.81	74.00	-19.19	38.34	11.69	38.40	33.62	156	162	Peak	HORIZONTAL
3	15931.00	48.49	54.00	-5.51	30.63	14.49	37.47	34.10	186	163	Average	HORIZONTAL
4	15937.52	61.81	74.00	-12.19	43.95	14.49	37.47	34.10	186	163	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	10610.16	41.21	54.00	-12.79	24.79	11.64	38.40	33.62	175	146	Average	VERTICAL
2	10618.04	55.18	74.00	-18.82	38.76	11.64	38.40	33.62	175	146	Peak	VERTICAL
3	15929.64	61.03	74.00	-12.97	43.17	14.49	37.47	34.10	167	141	Peak	VERTICAL
4	15937.76	48.48	54.00	-5.52	30.62	14.49	37.47	34.10	167	141	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	11026.68	41.91	54.00	-12.09	24.66	12.23	38.40	33.38	150	172	Average	HORIZONTAL
2	11027.80	55.68	74.00	-18.32	38.43	12.23	38.40	33.38	150	172	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	11027.36	41.92	54.00	-12.08	24.67	12.23	38.40	33.38	155	162	Average	VERTICAL
2	11028.80	54.34	74.00	-19.66	37.00	12.27	38.45	33.38	155	162	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	11092.16	42.73	54.00	-11.27	25.19	12.36	38.56	33.38	155	170	Average	HORIZONTAL
2	11107.28	54.45	74.00	-19.55	36.91	12.36	38.56	33.38	155	170	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	11105.24	42.95	54.00	-11.05	25.41	12.36	38.56	33.38	148	152	Average	VERTICAL
2	11106.32	55.17	74.00	-18.83	37.63	12.36	38.56	33.38	148	152	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	11339.60	56.70	74.00	-17.30	38.46	12.68	38.93	33.37	180	196	Peak	HORIZONTAL
2	11349.12	43.55	54.00	-10.45	25.31	12.68	38.93	33.37	180	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	11346.32	43.42	54.00	-10.58	25.18	12.68	38.93	33.37	171	190	Average	VERTICAL
2	11348.16	56.27	74.00	-17.73	38.03	12.68	38.93	33.37	171	190	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	15871.20	60.49	74.00	-13.51	42.47	14.46	37.62	34.06	129	168	Peak	HORIZONTAL
2	15878.32	48.27	54.00	-5.73	30.30	14.48	37.55	34.06	129	168	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	15867.72	61.73	74.00	-12.27	43.71	14.46	37.62	34.06	164	170	Peak	VERTICAL
2	15875.12	48.13	54.00	-5.87	30.16	14.48	37.55	34.06	164	170	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	11053.68	41.05	54.00	-12.95	23.71	12.27	38.45	33.38	140	183	Average	HORIZONTAL
2	11061.08	54.67	74.00	-19.33	37.22	12.32	38.51	33.38	140	183	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	11060.40	54.97	74.00	-19.03	37.52	12.32	38.51	33.38	152	176	Peak	VERTICAL
2	11065.52	41.98	54.00	-12.02	24.53	12.32	38.51	33.38	152	176	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	11221.12	42.39	54.00	-11.61	24.46	12.54	38.77	33.38	151	191	Average	HORIZONTAL
2	11223.32	55.04	74.00	-18.96	37.11	12.54	38.77	33.38	151	191	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	11220.52	54.97	74.00	-19.03	37.13	12.50	38.72	33.38	160	168	Peak	VERTICAL
2	11228.20	42.33	54.00	-11.67	24.40	12.54	38.77	33.38	160	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.

Straddle Channel

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	11436.40	43.41	54.00	-10.59	24.88	12.81	39.09	33.37	182	187	Average	HORIZONTAL
2	11439.40	56.20	74.00	-17.80	37.67	12.81	39.09	33.37	182	187	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	11433.36	56.68	74.00	-17.32	38.15	12.81	39.09	33.37	195	199	Peak	VERTICAL
2	11433.64	43.54	54.00	-10.46	25.01	12.81	39.09	33.37	195	199	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	11417.60	42.81	54.00	-11.19	24.28	12.81	39.09	33.37	193	192	Average	HORIZONTAL
2	11421.04	55.80	74.00	-18.20	37.27	12.81	39.09	33.37	193	192	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	11414.60	42.13	54.00	-11.87	23.69	12.77	39.04	33.37	162	185	Average	VERTICAL
2	11417.96	56.69	74.00	-17.31	38.16	12.81	39.09	33.37	162	185	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 11, 2015		
Test Mode	Mode 2: EUT 1 + Set 2 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	11375.08	42.82	54.00	-11.18	24.48	12.72	38.99	33.37	169	221	Average	HORIZONTAL
2	11388.96	56.32	74.00	-17.68	37.88	12.77	39.04	33.37	169	221	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	11377.28	56.19	74.00	-17.81	37.85	12.72	38.99	33.37	185	211	Peak	VERTICAL
2	11378.32	43.45	54.00	-10.55	25.11	12.72	38.99	33.37	185	211	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	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	15771.12	62.40	74.00	-11.60	43.78	16.51	37.76	35.65	217	167	Peak	HORIZONTAL
2	15780.56	49.73	54.00	-4.27	31.11	16.51	37.76	35.65	217	167	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	15771.64	49.95	54.00	-4.05	31.33	16.51	37.76	35.65	212	175	Average	VERTICAL
2	15784.88	63.01	74.00	-10.99	44.43	16.54	37.69	35.65	212	175	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	10602.84	46.09	54.00	-7.91	29.58	12.75	38.40	34.64	209	161	Average	HORIZONTAL
2	10604.88	59.48	74.00	-14.52	43.01	12.75	38.40	34.68	209	161	Peak	HORIZONTAL
3	15891.32	50.56	54.00	-3.44	32.08	16.60	37.55	35.67	236	141	Average	HORIZONTAL
4	15909.36	64.05	74.00	-9.95	45.57	16.60	37.55	35.67	236	141	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	10590.80	59.45	74.00	-14.55	43.00	12.69	38.40	34.64	240	180	Peak	VERTICAL
2	10603.52	45.89	54.00	-8.11	29.42	12.75	38.40	34.68	240	180	Average	VERTICAL
3	15890.24	50.57	54.00	-3.43	32.09	16.60	37.55	35.67	248	149	Average	VERTICAL
4	15902.00	63.84	74.00	-10.16	45.36	16.60	37.55	35.67	248	149	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	10633.40	45.59	54.00	-8.41	29.07	12.80	38.40	34.68	185	160	Average	HORIZONTAL
2	10642.80	58.11	74.00	-15.89	41.62	12.80	38.40	34.71	185	160	Peak	HORIZONTAL
3	15950.56	50.51	54.00	-3.49	32.08	16.63	37.47	35.67	198	132	Average	HORIZONTAL
4	15962.16	63.73	74.00	-10.27	45.30	16.63	37.47	35.67	198	132	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	10635.64	45.87	54.00	-8.13	29.35	12.80	38.40	34.68	206	137	Average	VERTICAL
2	10640.32	58.77	74.00	-15.23	42.28	12.80	38.40	34.71	206	137	Peak	VERTICAL
3	15952.80	63.44	74.00	-10.56	45.01	16.63	37.47	35.67	198	132	Peak	VERTICAL
4	15955.24	50.71	54.00	-3.29	32.28	16.63	37.47	35.67	198	132	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	10991.96	44.85	54.00	-9.15	28.09	13.39	38.40	35.03	177	165	Average	HORIZONTAL
2	10993.84	57.75	74.00	-16.25	41.03	13.39	38.40	35.07	177	165	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	10991.72	57.98	74.00	-16.02	41.22	13.39	38.40	35.03	168	164	Peak	VERTICAL
2	11001.64	45.00	54.00	-9.00	28.23	13.44	38.40	35.07	168	164	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	11158.36	46.62	54.00	-7.38	29.40	13.71	38.67	35.16	177	249	Average	HORIZONTAL
2	11162.40	59.08	74.00	-14.92	41.86	13.71	38.67	35.16	177	249	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	11153.88	46.30	54.00	-7.70	29.20	13.65	38.61	35.16	165	162	Average	VERTICAL
2	11155.80	59.43	74.00	-14.57	42.33	13.65	38.61	35.16	165	162	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	11394.40	58.52	74.00	-15.48	40.69	14.08	39.04	35.29	176	262	Peak	HORIZONTAL
2	11404.96	46.18	54.00	-7.82	28.37	14.08	39.04	35.31	176	262	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	11390.36	46.41	54.00	-7.59	28.58	14.08	39.04	35.29	149	252	Average	VERTICAL
2	11390.92	58.81	74.00	-15.19	40.98	14.08	39.04	35.29	149	252	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	15807.28	61.83	74.00	-12.17	43.25	16.54	37.69	35.65	174	170	Peak	HORIZONTAL
2	15807.76	49.68	54.00	-4.32	31.10	16.54	37.69	35.65	174	170	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	15801.76	62.00	74.00	-12.00	43.42	16.54	37.69	35.65	184	184	Peak	VERTICAL
2	15818.08	49.72	54.00	-4.28	31.15	16.54	37.69	35.66	184	184	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	10612.92	45.71	54.00	-8.29	29.24	12.75	38.40	34.68	201	192	Average	HORIZONTAL
2	10619.92	58.92	74.00	-15.08	42.45	12.75	38.40	34.68	201	192	Peak	HORIZONTAL
3	15935.12	63.30	74.00	-10.70	44.87	16.63	37.47	35.67	217	174	Peak	HORIZONTAL
4	15936.52	50.46	54.00	-3.54	32.03	16.63	37.47	35.67	217	174	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	10610.76	45.86	54.00	-8.14	29.39	12.75	38.40	34.68	225	183	Average	VERTICAL
2	10611.88	58.09	74.00	-15.91	41.62	12.75	38.40	34.68	225	183	Peak	VERTICAL
3	15936.04	63.23	74.00	-10.77	44.80	16.63	37.47	35.67	211	185	Peak	VERTICAL
4	15936.48	50.64	54.00	-3.36	32.21	16.63	37.47	35.67	211	185	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	11010.08	44.61	54.00	-9.39	27.84	13.44	38.40	35.07	200	171	Average	HORIZONTAL
2	11026.80	56.93	74.00	-17.07	40.16	13.44	38.40	35.07	200	171	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	11023.52	57.65	74.00	-16.35	40.88	13.44	38.40	35.07	205	172	Peak	VERTICAL
2	11029.04	44.56	54.00	-9.44	27.71	13.49	38.45	35.09	205	172	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	11104.28	45.26	54.00	-8.74	28.23	13.60	38.56	35.13	194	165	Average	HORIZONTAL
2	11106.68	57.37	74.00	-16.63	40.34	13.60	38.56	35.13	194	165	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	11101.12	58.41	74.00	-15.59	41.36	13.60	38.56	35.11	190	160	Peak	VERTICAL
2	11104.72	45.35	54.00	-8.65	28.32	13.60	38.56	35.13	190	160	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	11330.20	59.28	74.00	-14.72	41.64	13.97	38.93	35.26	226	141	Peak	HORIZONTAL
2	11340.24	46.15	54.00	-7.85	28.51	13.97	38.93	35.26	226	141	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	11330.68	58.47	74.00	-15.53	40.83	13.97	38.93	35.26	196	155	Peak	VERTICAL
2	11331.96	46.05	54.00	-7.95	28.41	13.97	38.93	35.26	196	155	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	15872.88	49.98	54.00	-4.02	31.46	16.57	37.62	35.67	195	194	Average	HORIZONTAL
2	15877.00	62.18	74.00	-11.82	43.70	16.60	37.55	35.67	195	194	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	15873.12	62.22	74.00	-11.78	43.70	16.57	37.62	35.67	199	149	Peak	VERTICAL
2	15875.20	49.99	54.00	-4.01	31.51	16.60	37.55	35.67	199	149	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	11061.00	57.41	74.00	-16.59	40.44	13.55	38.51	35.09	180	180	Peak	HORIZONTAL
2	11063.44	44.90	54.00	-9.10	27.93	13.55	38.51	35.09	180	180	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	11067.08	57.40	74.00	-16.60	40.45	13.55	38.51	35.11	183	180	Peak	VERTICAL
2	11068.32	44.64	54.00	-9.36	27.69	13.55	38.51	35.11	183	180	Average	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	11215.68	59.21	74.00	-14.79	41.93	13.76	38.72	35.20	204	180	Peak	HORIZONTAL
2	11218.76	46.71	54.00	-7.29	29.43	13.76	38.72	35.20	204	180	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	11216.36	46.63	54.00	-7.37	29.35	13.76	38.72	35.20	221	188	Average	VERTICAL
2	11225.80	59.60	74.00	-14.40	42.22	13.81	38.77	35.20	222	188	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	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	11431.52	45.59	54.00	-8.41	27.68	14.13	39.09	35.31	143	231	Average	HORIZONTAL
2	11432.56	58.92	74.00	-15.08	41.01	14.13	39.09	35.31	143	231	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	11431.56	45.88	54.00	-8.12	27.97	14.13	39.09	35.31	155	246	Average	VERTICAL
2	11446.68	58.64	74.00	-15.36	40.75	14.13	39.09	35.33	155	246	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	11411.40	58.34	74.00	-15.66	40.53	14.08	39.04	35.31	190	174	Peak	HORIZONTAL
2	11420.28	45.76	54.00	-8.24	27.85	14.13	39.09	35.31	190	174	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	11414.40	45.70	54.00	-8.30	27.89	14.08	39.04	35.31	206	165	Average	VERTICAL
2	11418.00	58.53	74.00	-15.47	40.62	14.13	39.09	35.31	206	165	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 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	11371.48	45.89	54.00	-8.11	28.16	14.03	38.99	35.29	156	167	Average	HORIZONTAL
2	11386.48	58.70	74.00	-15.30	40.87	14.08	39.04	35.29	156	167	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	11375.08	45.94	54.00	-8.06	28.21	14.03	38.99	35.29	153	163	Average	VERTICAL
2	11377.76	58.34	74.00	-15.66	40.61	14.03	38.99	35.29	153	163	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	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	15779.82	62.21	74.00	-11.79	43.59	16.51	37.76	35.65	137	54	Peak	HORIZONTAL
2	15780.58	49.67	54.00	-4.33	31.05	16.51	37.76	35.65	137	54	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	15779.26	49.54	54.00	-4.46	30.92	16.51	37.76	35.65	144	89	Average	VERTICAL
2	15780.61	62.27	74.00	-11.73	43.65	16.51	37.76	35.65	144	89	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	10599.83	58.85	74.00	-15.15	42.34	12.75	38.40	34.64	164	33	Peak	HORIZONTAL
2	10600.66	45.80	54.00	-8.20	29.29	12.75	38.40	34.64	164	33	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	10599.93	58.39	74.00	-15.61	41.88	12.75	38.40	34.64	121	57	Peak	VERTICAL
2	10600.73	46.07	54.00	-7.93	29.56	12.75	38.40	34.64	121	57	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	10639.68	58.07	74.00	-15.93	41.58	12.80	38.40	34.71	131	79	Peak	HORIZONTAL
2	10640.53	45.53	54.00	-8.47	29.04	12.80	38.40	34.71	131	79	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	10639.98	57.78	74.00	-16.22	41.29	12.80	38.40	34.71	128	51	Peak	VERTICAL
2	10640.95	45.43	54.00	-8.57	28.94	12.80	38.40	34.71	128	51	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	10999.82	44.43	54.00	-9.57	27.66	13.44	38.40	35.07	134	107	Average	HORIZONTAL
2	11000.74	56.67	74.00	-17.33	39.90	13.44	38.40	35.07	134	107	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	10999.15	57.32	74.00	-16.68	40.55	13.44	38.40	35.07	138	78	Peak	VERTICAL
2	11000.95	44.27	54.00	-9.73	27.50	13.44	38.40	35.07	138	78	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	11159.36	58.58	74.00	-15.42	41.36	13.71	38.67	35.16	142	110	Peak	HORIZONTAL
2	11160.37	45.60	54.00	-8.40	28.38	13.71	38.67	35.16	142	110	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	11160.25	58.14	74.00	-15.86	40.92	13.71	38.67	35.16	140	87	Peak	VERTICAL
2	11160.26	45.72	54.00	-8.28	28.50	13.71	38.67	35.16	140	87	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	11399.16	46.19	54.00	-7.81	28.38	14.08	39.04	35.31	142	29	Average	HORIZONTAL
2	11400.35	59.43	74.00	-14.57	41.62	14.08	39.04	35.31	142	29	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	11399.11	46.26	54.00	-7.74	28.45	14.08	39.04	35.31	148	78	Average	VERTICAL
2	11399.72	60.23	74.00	-13.77	42.42	14.08	39.04	35.31	148	78	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 54 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	15809.77	49.80	54.00	-4.20	31.22	16.54	37.69	35.65	149	91	Average	HORIZONTAL
2	15810.96	62.42	74.00	-11.58	43.84	16.54	37.69	35.65	149	91	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	15809.21	63.03	74.00	-10.97	44.45	16.54	37.69	35.65	146	136	Peak	VERTICAL
2	15809.68	49.79	54.00	-4.21	31.21	16.54	37.69	35.65	146	136	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	10619.70	57.84	74.00	-16.16	41.37	12.75	38.40	34.68	138	357	Peak	HORIZONTAL
2	10619.74	45.51	54.00	-8.49	29.04	12.75	38.40	34.68	138	357	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	10619.57	58.84	74.00	-15.16	42.37	12.75	38.40	34.68	138	293	Peak	VERTICAL
2	10619.69	45.55	54.00	-8.45	29.08	12.75	38.40	34.68	138	293	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	11019.13	57.33	74.00	-16.67	40.56	13.44	38.40	35.07	146	191	Peak	HORIZONTAL
2	11020.61	44.24	54.00	-9.76	27.47	13.44	38.40	35.07	146	191	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	11020.29	57.05	74.00	-16.95	40.28	13.44	38.40	35.07	142	232	Peak	VERTICAL
2	11020.73	44.31	54.00	-9.69	27.54	13.44	38.40	35.07	142	232	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	11099.74	58.04	74.00	-15.96	40.99	13.60	38.56	35.11	143	100	Peak	HORIZONTAL
2	11099.89	45.33	54.00	-8.67	28.28	13.60	38.56	35.11	143	100	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	11099.66	44.81	54.00	-9.19	27.76	13.60	38.56	35.11	145	119	Average	VERTICAL
2	11100.85	58.02	74.00	-15.98	40.97	13.60	38.56	35.11	145	119	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	11339.84	46.26	54.00	-7.74	28.62	13.97	38.93	35.26	143	71	Average	HORIZONTAL
2	11340.20	59.02	74.00	-14.98	41.38	13.97	38.93	35.26	143	71	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	11339.78	46.15	54.00	-7.85	28.51	13.97	38.93	35.26	146	36	Average	VERTICAL
2	11340.77	58.97	74.00	-15.03	41.33	13.97	38.93	35.26	146	36	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	15869.46	49.58	54.00	-4.42	31.06	16.57	37.62	35.67	155	62	Average	HORIZONTAL
2	15870.66	62.93	74.00	-11.07	44.41	16.57	37.62	35.67	155	62	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	15869.53	62.89	74.00	-11.11	44.37	16.57	37.62	35.67	147	92	Peak	VERTICAL
2	15869.73	49.68	54.00	-4.32	31.16	16.57	37.62	35.67	147	92	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	11059.01	57.39	74.00	-16.61	40.54	13.49	38.45	35.09	147	89	Peak	HORIZONTAL
2	11060.52	44.74	54.00	-9.26	27.77	13.55	38.51	35.09	147	89	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	11059.24	57.85	74.00	-16.15	41.00	13.49	38.45	35.09	143	49	Peak	VERTICAL
2	11060.46	44.68	54.00	-9.32	27.71	13.55	38.51	35.09	143	49	Average	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	11219.17	46.35	54.00	-7.65	29.07	13.76	38.72	35.20	153	66	Average	HORIZONTAL
2	11220.78	59.09	74.00	-14.91	41.81	13.76	38.72	35.20	153	66	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	11219.65	46.59	54.00	-7.41	29.31	13.76	38.72	35.20	150	45	Average	VERTICAL
2	11219.72	59.02	74.00	-14.98	41.74	13.76	38.72	35.20	150	45	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	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	11439.94	45.65	54.00	-8.35	27.76	14.13	39.09	35.33	146	24	Average	HORIZONTAL
2	11439.95	58.77	74.00	-15.23	40.88	14.13	39.09	35.33	146	24	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	11440.92	58.46	74.00	-15.54	40.57	14.13	39.09	35.33	149	51	Peak	VERTICAL
2	11440.99	45.83	54.00	-8.17	27.94	14.13	39.09	35.33	149	51	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	11420.04	58.88	74.00	-15.12	40.97	14.13	39.09	35.31	138	44	Peak	HORIZONTAL
2	11420.15	46.15	54.00	-7.85	28.24	14.13	39.09	35.31	138	44	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	11419.70	58.85	74.00	-15.15	40.94	14.13	39.09	35.31	134	62	Peak	VERTICAL
2	11420.42	46.07	54.00	-7.93	28.16	14.13	39.09	35.31	134	62	Average	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 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	11379.40	59.11	74.00	-14.89	41.38	14.03	38.99	35.29	191	96	Peak	HORIZONTAL
2	11379.92	46.17	54.00	-7.83	28.44	14.03	38.99	35.29	191	96	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	11379.86	58.51	74.00	-15.49	40.78	14.03	38.99	35.29	188	109	Peak	VERTICAL
2	11380.49	46.23	54.00	-7.77	28.50	14.03	38.99	35.29	188	109	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	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 / Chain 1 + Chain 2 + Chain 3+ Chain 4
Test Date	Dec. 03, 2015		
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 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	15780.60	62.92	74.00	-11.08	44.30	16.51	37.76	35.65	130	137	Peak	HORIZONTAL
2	15780.84	49.22	54.00	-4.78	30.60	16.51	37.76	35.65	130	137	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	15779.08	63.36	74.00	-10.64	44.74	16.51	37.76	35.65	124	102	Peak	VERTICAL
2	15780.21	50.38	54.00	-3.62	31.76	16.51	37.76	35.65	124	102	Average	VERTICAL