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
42	5210 MHz	-1.30	15.49	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =7.51dBi > 6dBi, So Limit =17-(7.51-6)=15.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-0.91	-3.01	-3.92	28.49	Complies

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

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Oct. 23, 2015 ~ Nov. 05, 2015
Test Mode	Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi		

P to M

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	5.48	14.49	Complies
40	5200 MHz	5.57	14.49	Complies
48	5240 MHz	5.67	14.49	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =8.51dBi > 6dBi, So Limit =17-(8.51-6)=14.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	10.52	-3.01	7.51	27.49	Complies
157	5785 MHz	14.06	-3.01	11.05	27.49	Complies
165	5825 MHz	12.48	-3.01	9.47	27.49	Complies

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

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
36	5180 MHz	5.72	14.49	Complies
40	5200 MHz	5.74	14.49	Complies
48	5240 MHz	5.79	14.49	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =8.51dBi > 6dBi, So Limit =17-(8.51-6)=14.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	9.71	-3.01	6.70	27.49	Complies
157	5785 MHz	13.97	-3.01	10.96	27.49	Complies
165	5825 MHz	11.95	-3.01	8.94	27.49	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =8.51dBi > 6dBi, So 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
38	5190 MHz	2.70	14.49	Complies
46	5230 MHz	2.66	14.49	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =8.51dBi > 6dBi, So Limit =17-(8.51-6)=14.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	5.45	-3.01	2.44	27.49	Complies
159	5795 MHz	9.15	-3.01	6.14	27.49	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =8.51dBi > 6dBi, So 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
42	5210 MHz	-1.30	14.49	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =8.51dBi > 6dBi, So Limit =17-(8.51-6)=14.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-1.92	-3.01	-4.93	27.49	Complies

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

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 11, 2015
Test Mode	Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi		

P to M

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	5.48	12.49	Complies
40	5200 MHz	5.57	12.49	Complies
48	5240 MHz	5.67	12.49	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =10.51dBi > 6dBi, So Limit =17-(10.51-6)=12.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	9.90	-3.01	6.89	25.49	Complies
157	5785 MHz	14.06	-3.01	11.05	25.49	Complies
165	5825 MHz	12.28	-3.01	9.27	25.49	Complies

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

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
36	5180 MHz	5.34	12.49	Complies
40	5200 MHz	5.74	12.49	Complies
48	5240 MHz	5.79	12.49	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =10.51dBi > 6dBi, So Limit =17-(10.51-6)=12.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	9.71	-3.01	6.70	25.49	Complies
157	5785 MHz	13.97	-3.01	10.96	25.49	Complies
165	5825 MHz	11.58	-3.01	8.57	25.49	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =10.51dBi > 6dBi, So 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
38	5190 MHz	2.70	12.49	Complies
46	5230 MHz	2.66	12.49	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =10.51dBi > 6dBi, So Limit =17-(10.51-6)=12.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	4.18	-3.01	1.17	25.49	Complies
159	5795 MHz	8.04	-3.01	5.03	25.49	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =10.51dBi > 6dBi, So 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
42	5210 MHz	-2.68	12.49	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =10.51dBi > 6dBi, So Limit =17-(10.51-6)=12.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-3.10	-3.01	-6.11	25.49	Complies

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

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 11, 2015
Test Mode	Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi		

P to M

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.63	10.98	Complies
40	5200 MHz	7.59	10.98	Complies
48	5240 MHz	7.60	10.98	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi > 6dBi, So Limit =17-(12.02-6)=10.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	10.52	-3.01	7.51	23.98	Complies
157	5785 MHz	14.06	-3.01	11.05	23.98	Complies
165	5825 MHz	12.48	-3.01	9.47	23.98	Complies

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

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
36	5180 MHz	7.84	10.98	Complies
40	5200 MHz	7.84	10.98	Complies
48	5240 MHz	7.86	10.98	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi > 6dBi, So Limit =17-(12.02-6)=10.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	11.23	-3.01	8.22	23.98	Complies
157	5785 MHz	13.97	-3.01	10.96	23.98	Complies
165	5825 MHz	11.58	-3.01	8.57	23.98	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi > 6dBi, So 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
38	5190 MHz	4.77	10.98	Complies
46	5230 MHz	4.75	10.98	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi > 6dBi, So Limit =17-(12.02-6)=10.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	7.08	-3.01	4.07	23.98	Complies
159	5795 MHz	9.15	-3.01	6.14	23.98	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi > 6dBi, So 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
42	5210 MHz	-1.67	10.98	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi > 6dBi, So Limit =17-(12.02-6)=10.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-2.23	-3.01	-5.24	23.98	Complies

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

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 11, 2015 ~ Dec. 14, 2015
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

P to M

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	-0.39	8.49	Complies
40	5200 MHz	-0.44	8.49	Complies
48	5240 MHz	-0.32	8.49	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =14.51dBi > 6dBi, So Limit =17-(14.51-6)=8.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	7.41	-3.01	4.40	21.49	Complies
157	5785 MHz	11.07	-3.01	8.06	21.49	Complies
165	5825 MHz	10.30	-3.01	7.29	21.49	Complies

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

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
36	5180 MHz	-0.62	8.49	Complies
40	5200 MHz	-0.14	8.49	Complies
48	5240 MHz	-0.56	8.49	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =14.51dBi > 6dBi, So Limit =17-(14.51-6)=8.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	8.36	-3.01	5.35	21.49	Complies
157	5785 MHz	10.90	-3.01	7.89	21.49	Complies
165	5825 MHz	10.60	-3.01	7.59	21.49	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =14.51dBi > 6dBi, So 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
38	5190 MHz	-3.18	8.49	Complies
46	5230 MHz	-3.31	8.49	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =14.51dBi > 6dBi, So Limit =17-(14.51-6)=8.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	3.56	-3.01	0.55	21.49	Complies
159	5795 MHz	7.83	-3.01	4.82	21.49	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =14.51dBi > 6dBi, So 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
42	5210 MHz	-6.06	8.49	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =14.51dBi > 6dBi, So Limit =17-(14.51-6)=8.49dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-5.29	-3.01	-8.30	21.49	Complies

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

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 11, 2015
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

P to M

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	4.17	7.99	Complies
40	5200 MHz	4.12	7.99	Complies
48	5240 MHz	3.92	7.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =15.01dBi > 6dBi, So Limit =17-(15.01-6)=7.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	8.88	-3.01	5.87	20.99	Complies
157	5785 MHz	10.58	-3.01	7.57	20.99	Complies
165	5825 MHz	10.30	-3.01	7.29	20.99	Complies

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

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
36	5180 MHz	3.84	7.99	Complies
40	5200 MHz	3.80	7.99	Complies
48	5240 MHz	3.78	7.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =15.01dBi > 6dBi, So Limit =17-(15.01-6)=7.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	8.20	-3.01	5.19	20.99	Complies
157	5785 MHz	10.38	-3.01	7.37	20.99	Complies
165	5825 MHz	10.60	-3.01	7.59	20.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =15.01dBi > 6dBi, So 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
38	5190 MHz	1.23	7.99	Complies
46	5230 MHz	1.16	7.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =15.01dBi > 6dBi, So Limit =17-(15.01-6)=7.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	2.50	-3.01	-0.51	20.99	Complies
159	5795 MHz	7.22	-3.01	4.21	20.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =15.01dBi > 6dBi, So 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
42	5210 MHz	-4.66	7.99	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =15.01dBi > 6dBi, So Limit =17-(15.01-6)=7.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-5.29	-3.01	-8.30	20.99	Complies

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

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 11, 2015
Test Mode	Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi		

P to M

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	11.07	15.99	Complies
40	5200 MHz	13.87	15.99	Complies
48	5240 MHz	14.37	15.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.01dBi > 6dBi, So Limit =17-(7.01-6)=15.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	10.90	-3.01	7.89	28.99	Complies
157	5785 MHz	14.06	-3.01	11.05	28.99	Complies
165	5825 MHz	11.35	-3.01	8.34	28.99	Complies

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

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
36	5180 MHz	10.41	15.99	Complies
40	5200 MHz	13.76	15.99	Complies
48	5240 MHz	13.75	15.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.01dBi > 6dBi, So Limit =17-(7.01-6)=15.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	10.66	-3.01	7.65	28.99	Complies
157	5785 MHz	13.97	-3.01	10.96	28.99	Complies
165	5825 MHz	11.10	-3.01	8.09	28.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.01dBi > 6dBi, So 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
38	5190 MHz	7.36	15.99	Complies
46	5230 MHz	10.25	15.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.01dBi > 6dBi, So Limit =17-(7.01-6)=15.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	5.15	-3.01	2.14	28.99	Complies
159	5795 MHz	9.28	-3.01	6.27	28.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =7.01dBi > 6dBi, So 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
42	5210 MHz	-2.14	15.99	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =7.01dBi > 6dBi, So Limit =17-(7.01-6)=15.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-2.23	-3.01	-5.24	28.99	Complies

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

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 18, 2015
Test Mode	Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi		

P to P

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.46	13.99	Complies
40	5200 MHz	2.28	13.99	Complies
48	5240 MHz	3.10	13.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =26.01dBi > 23dBi, So Limit =17-(26.01-23)=13.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	2.93	-3.01	-0.08	30.00	Complies
157	5785 MHz	6.92	-3.01	3.91	30.00	Complies
165	5825 MHz	3.80	-3.01	0.79	30.00	Complies

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
36	5180 MHz	0.18	13.99	Complies
40	5200 MHz	1.85	13.99	Complies
48	5240 MHz	2.87	13.99	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =26.01dBi > 23dBi, So Limit =17-(26.01-23)=13.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	2.60	-3.01	-0.41	30.00	Complies
157	5785 MHz	6.43	-3.01	3.42	30.00	Complies
165	5825 MHz	3.70	-3.01	0.69	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
38	5190 MHz	-4.87	13.99	Complies
46	5230 MHz	-1.77	13.99	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =26.01dBi > 23dBi, So Limit =17-(26.01-23)=13.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	-4.46	-3.01	-7.47	30.00	Complies
159	5795 MHz	-1.24	-3.01	-4.25	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
42	5210 MHz	-9.65	13.99	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =26.01dBi > 23dBi, So Limit =17-(26.01-23)=13.99dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-11.84	-3.01	-14.85	30.00	Complies

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 11, 2015 ~ Dec. 14, 2015
Test Mode	Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi		

P to M

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.63	10.98	Complies
40	5200 MHz	7.59	10.98	Complies
48	5240 MHz	7.60	10.98	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.02dBi > 6dBi, So Limit =17-(12.02-6)=10.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	10.90	-3.01	7.89	23.98	Complies
157	5785 MHz	14.06	-3.01	11.05	23.98	Complies
165	5825 MHz	11.82	-3.01	8.81	23.98	Complies

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

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
36	5180 MHz	7.84	10.98	Complies
40	5200 MHz	7.84	10.98	Complies
48	5240 MHz	7.86	10.98	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi > 6dBi, So Limit =17-(12.02-6)=10.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	10.66	-3.01	7.65	23.98	Complies
157	5785 MHz	13.97	-3.01	10.96	23.98	Complies
165	5825 MHz	11.10	-3.01	8.09	23.98	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi > 6dBi, So 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
38	5190 MHz	4.77	10.98	Complies
46	5230 MHz	4.75	10.98	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi > 6dBi, So Limit =17-(12.02-6)=10.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	4.58	-3.01	1.57	23.98	Complies
159	5795 MHz	8.04	-3.01	5.03	23.98	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi > 6dBi, So 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
42	5210 MHz	-2.68	10.98	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.02dBi > 6dBi, So Limit =17-(12.02-6)=10.98dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-2.23	-3.01	-5.24	23.98	Complies

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

Temperature	25°C	Humidity	45%
Test Engineer	Roki Liu	Test Date	Dec. 07, 2015
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

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.76	10.91	Complies
40	5200 MHz	7.85	10.91	Complies
48	5240 MHz	7.53	10.91	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.09dBi > 6dBi, So Limit =17-(12.09-6)=10.91dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	9.10	-3.01	6.09	23.91	Complies
157	5785 MHz	15.29	-3.01	12.28	23.91	Complies
165	5825 MHz	11.88	-3.01	8.87	23.91	Complies

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

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
36	5180 MHz	7.58	10.91	Complies
40	5200 MHz	7.72	10.91	Complies
48	5240 MHz	7.86	10.91	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.09dBi > 6dBi, So Limit =17-(12.09-6)=10.91dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	9.20	-3.01	6.19	23.91	Complies
157	5785 MHz	15.26	-3.01	12.25	23.91	Complies
165	5825 MHz	11.88	-3.01	8.87	23.91	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.09dBi > 6dBi, So 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
38	5190 MHz	5.04	10.91	Complies
46	5230 MHz	4.62	10.91	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.09dBi > 6dBi, So Limit =17-(12.09-6)=10.91dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	4.45	-3.01	1.44	23.91	Complies
159	5795 MHz	9.22	-3.01	6.21	23.91	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$ =12.09dBi > 6dBi, So 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
42	5210 MHz	-1.70	10.91	Complies

Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.09dBi > 6dBi, So Limit =17-(12.09-6)=10.91dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-2.21	-3.01	-5.22	23.91	Complies

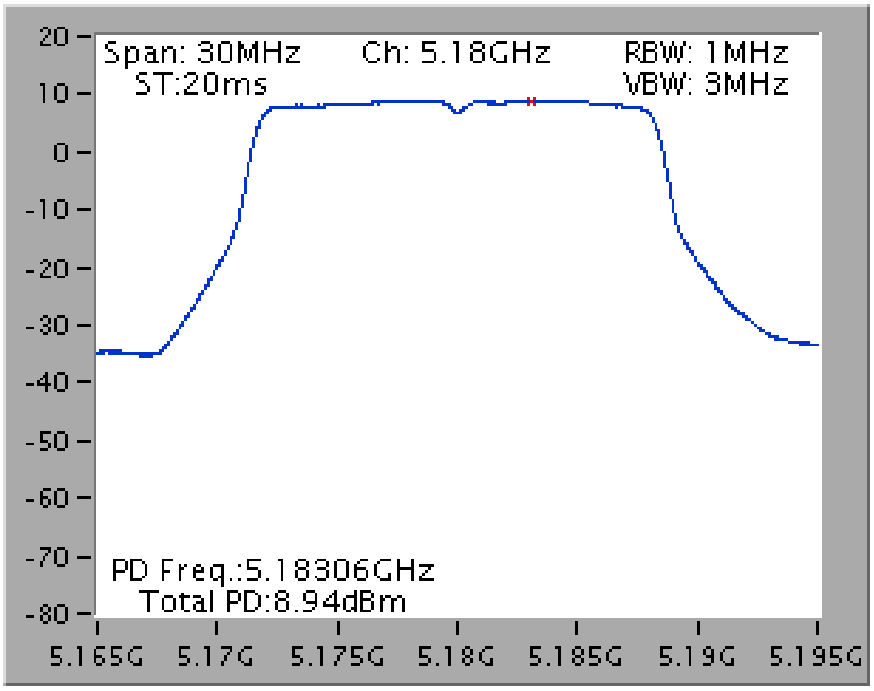
Note: $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$ =12.09dBi > 6dBi, So Limit =30-(12.09-6)=23.91dBm/500kHz.

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

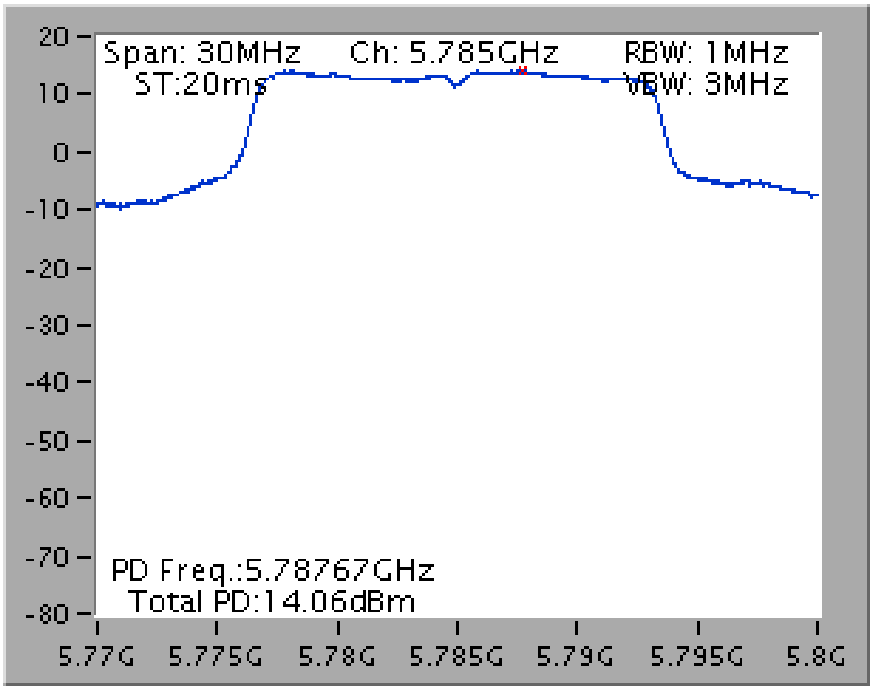
For plots, only the channel with worse result was shown.

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

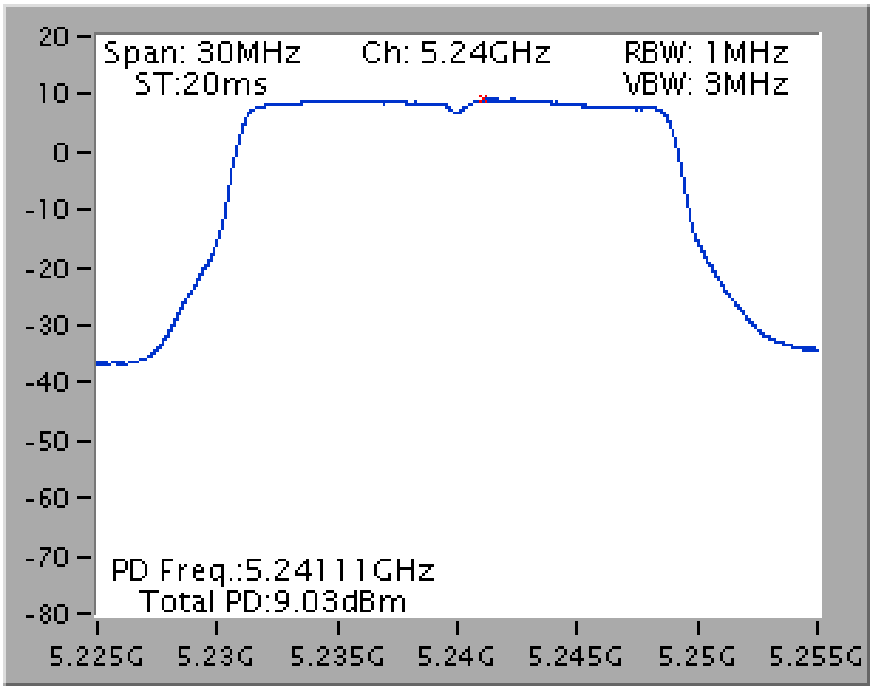
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



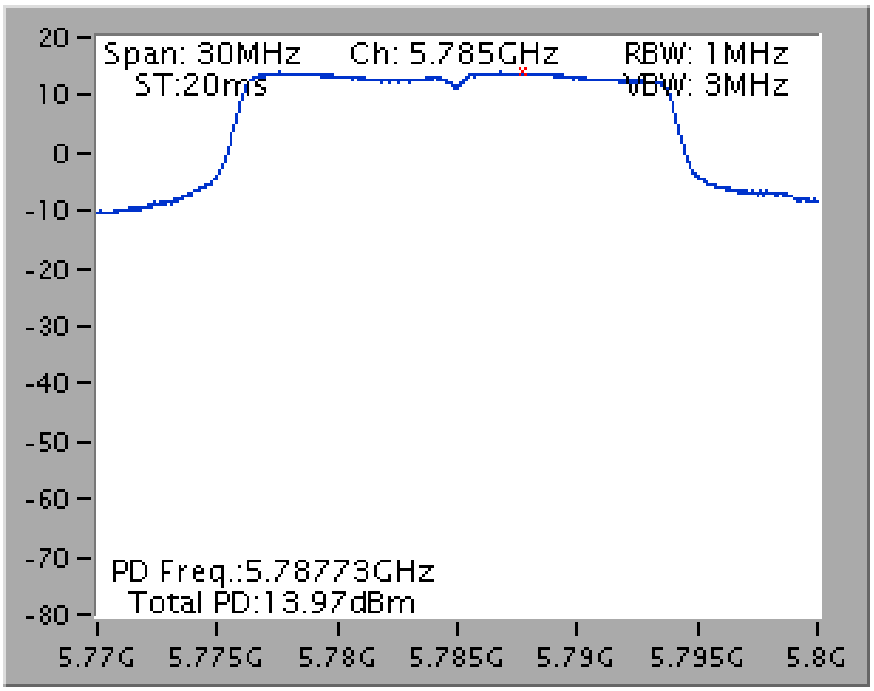
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



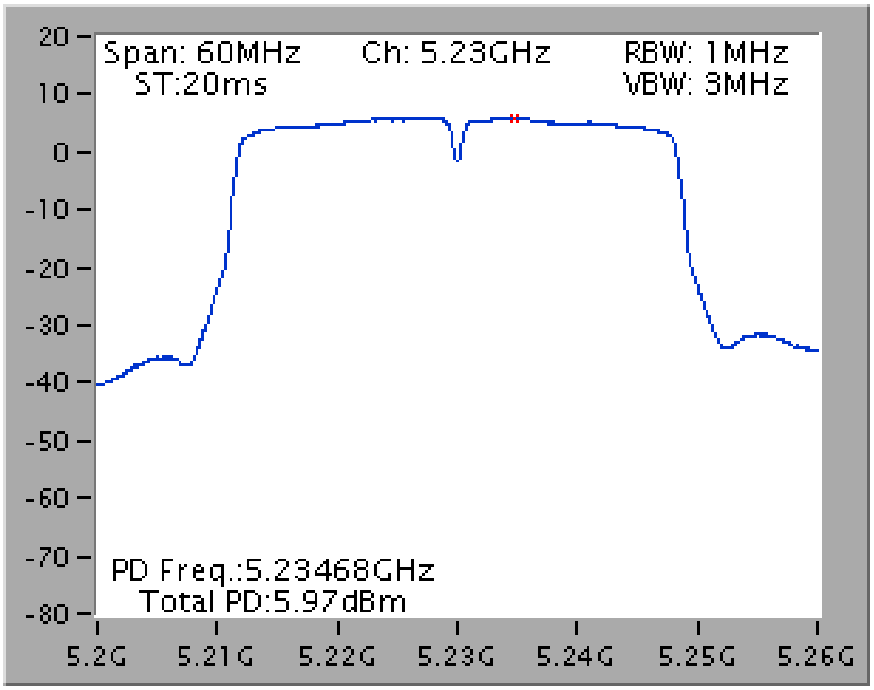
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



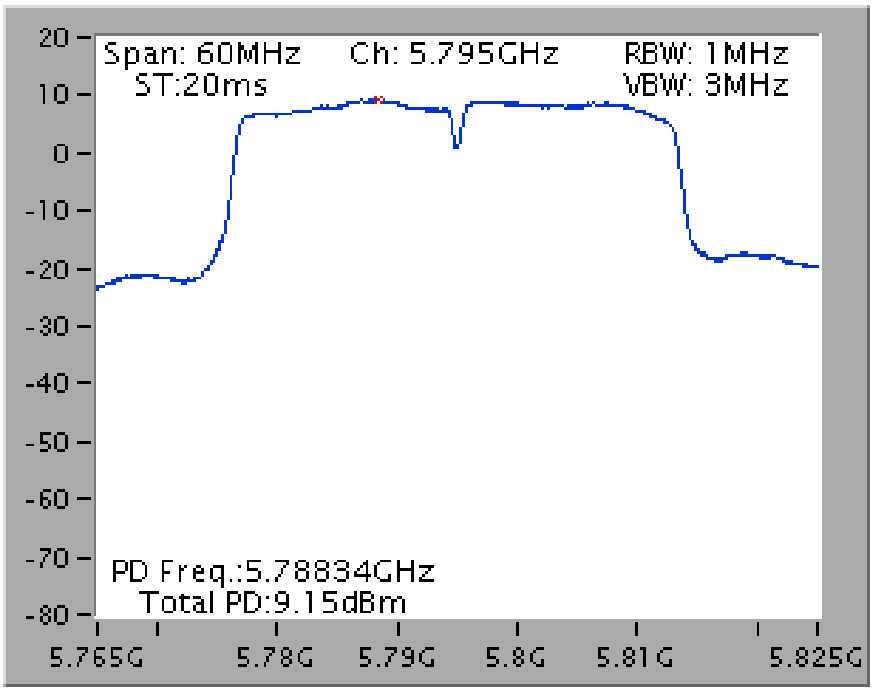
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



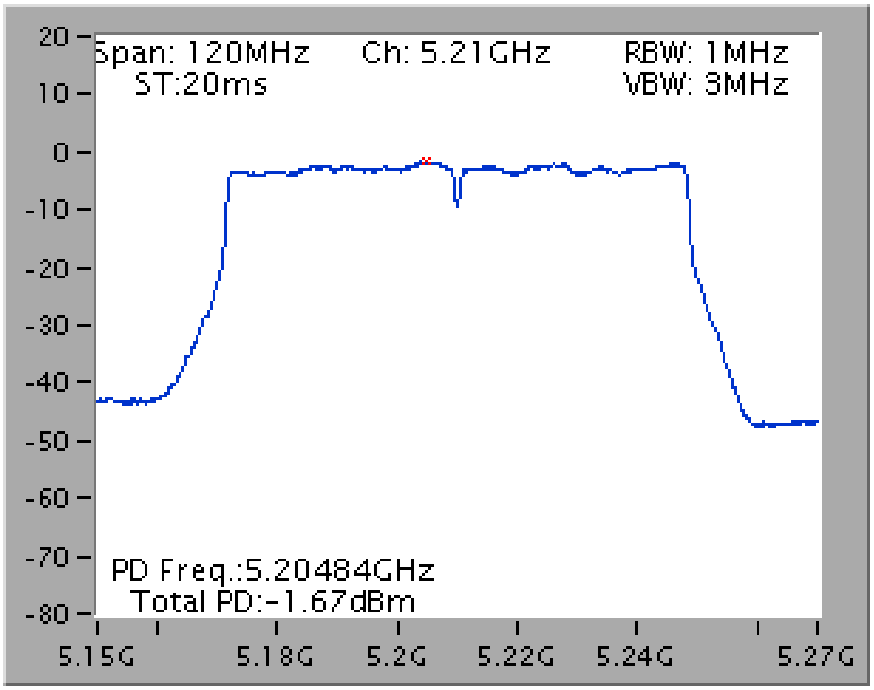
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



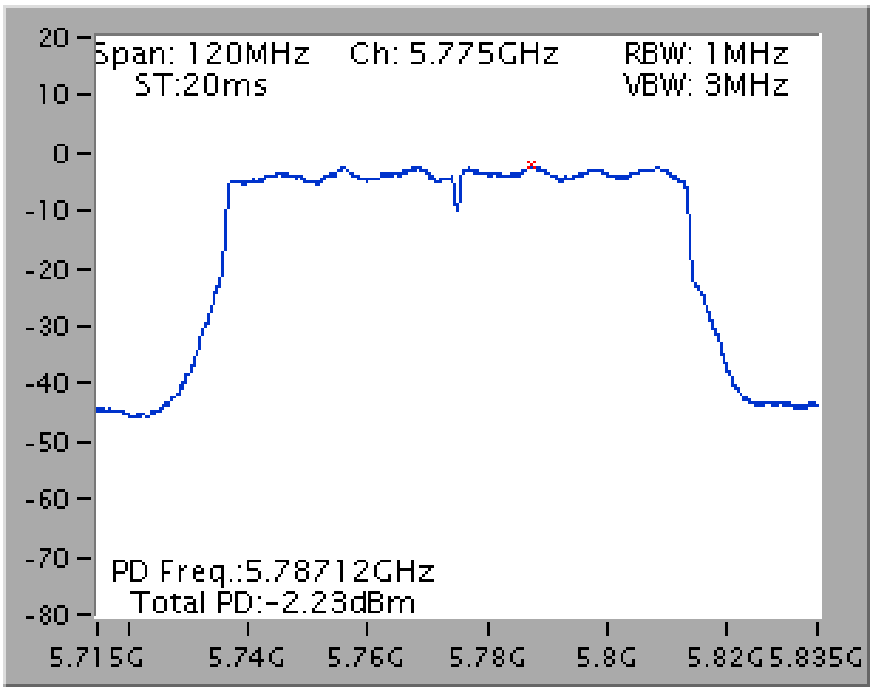
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

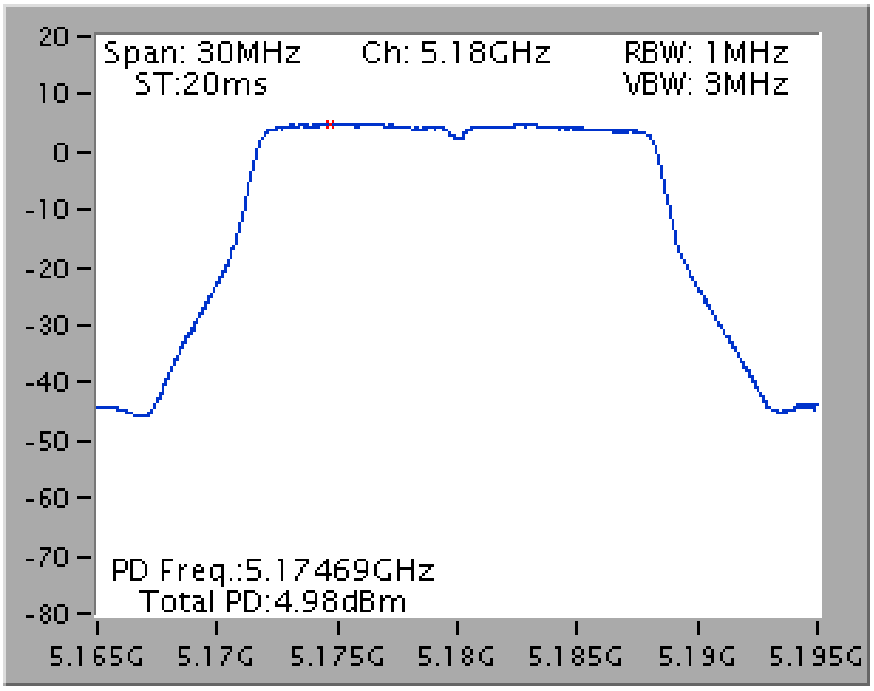


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

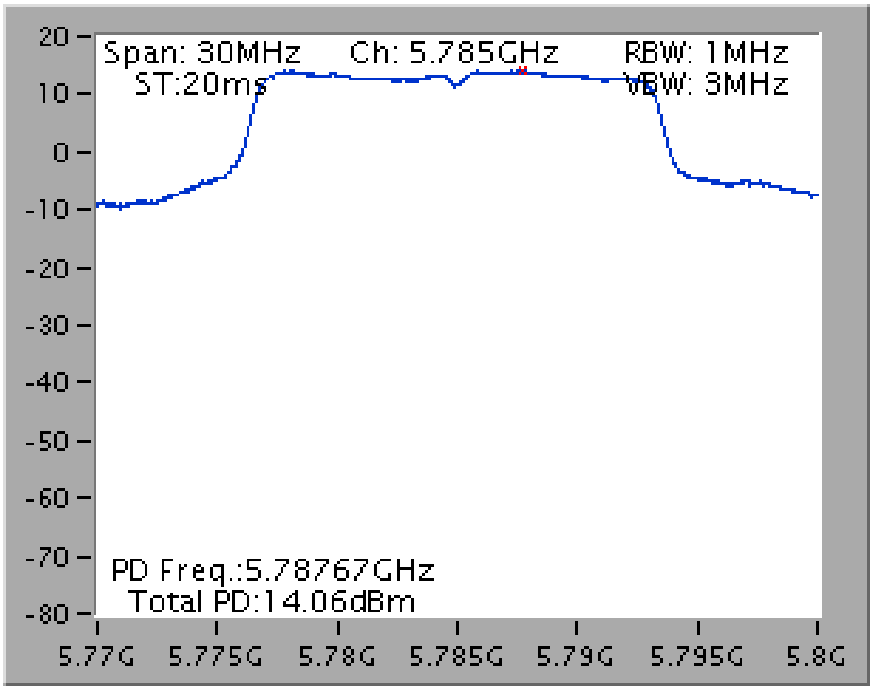


Mode 2: EUT 1 + Set 2 Sector Antenna / 4.5 dBi

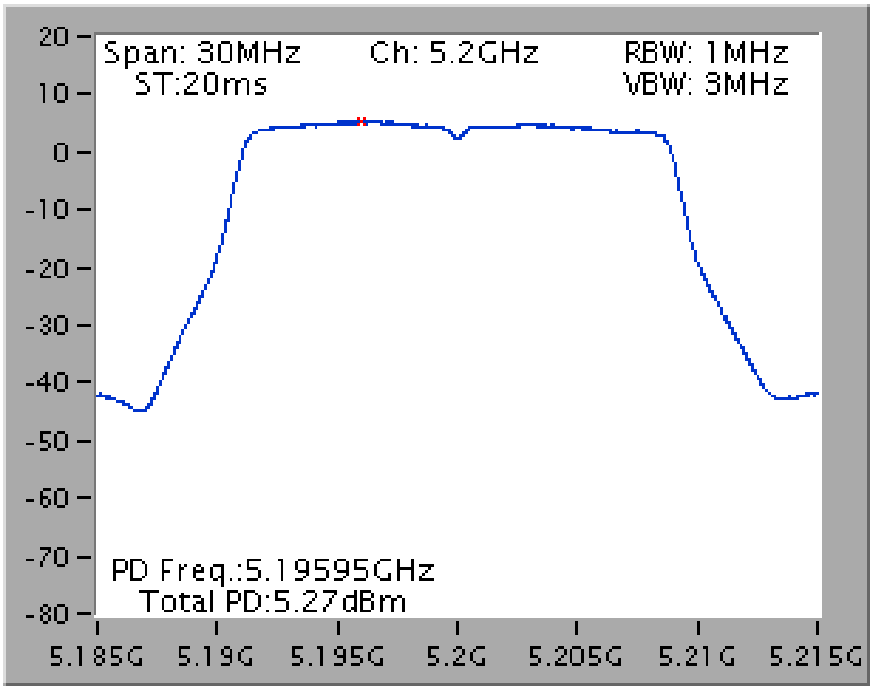
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



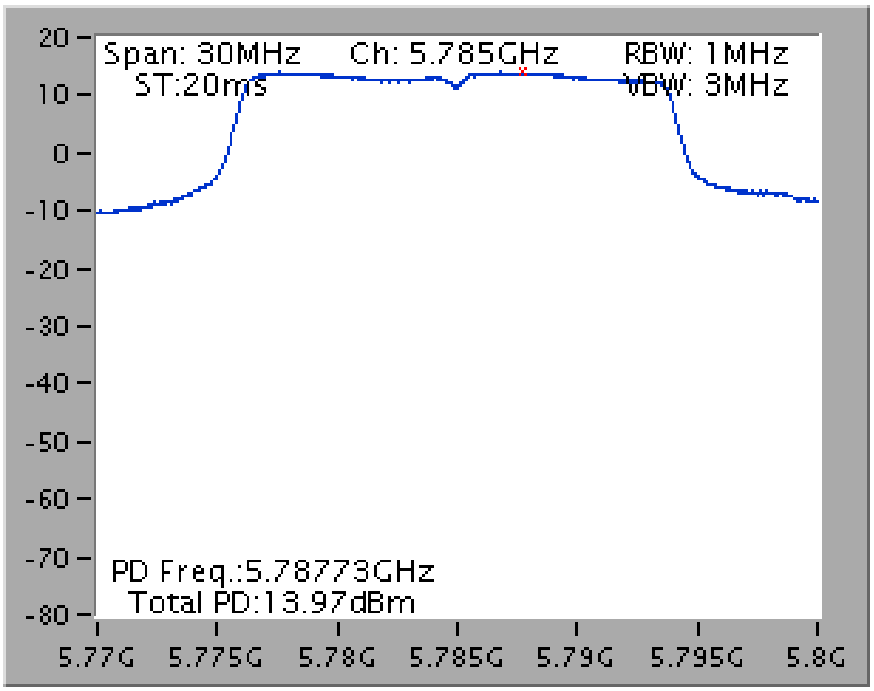
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



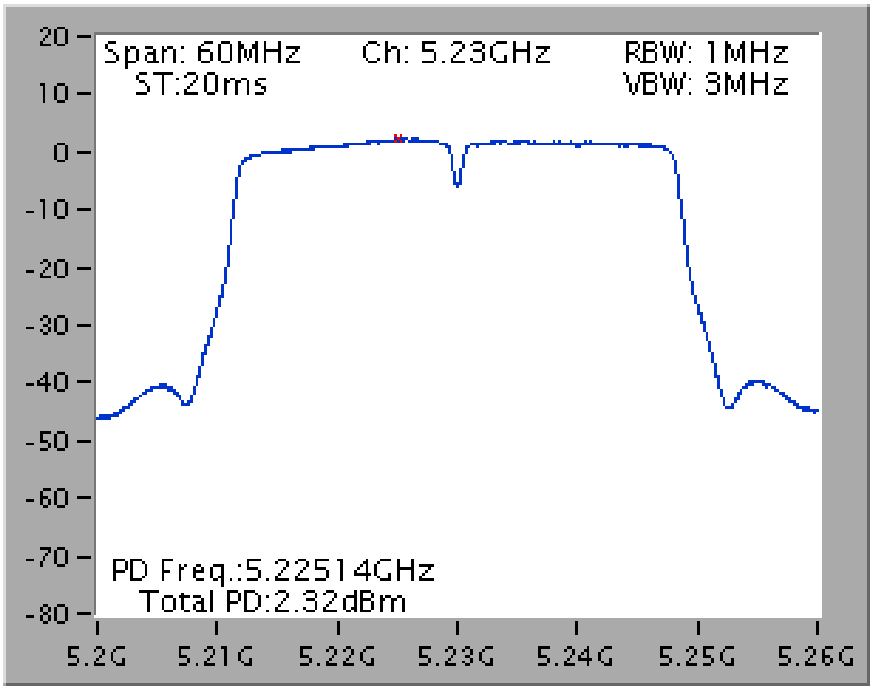
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



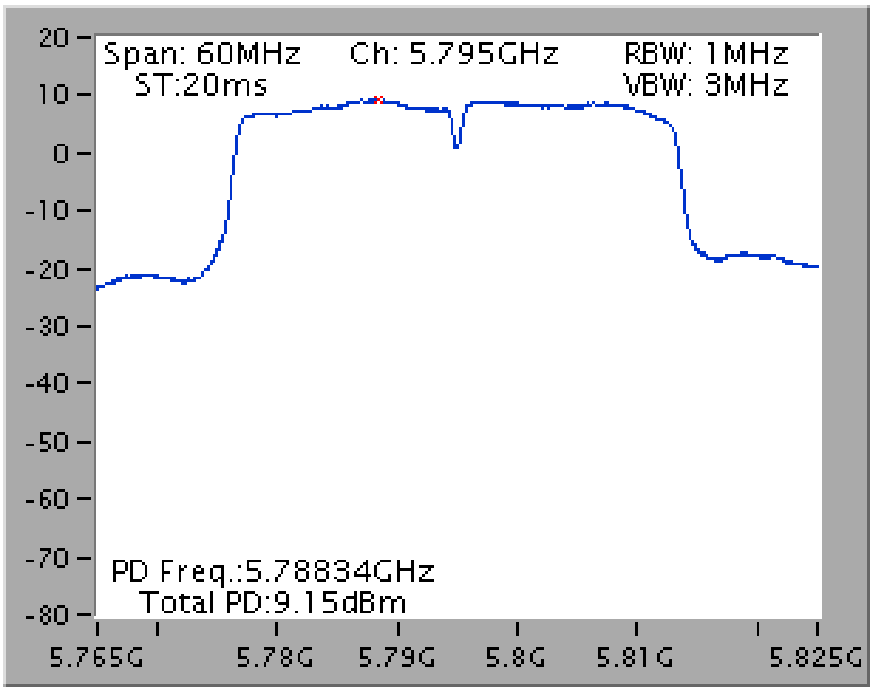
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



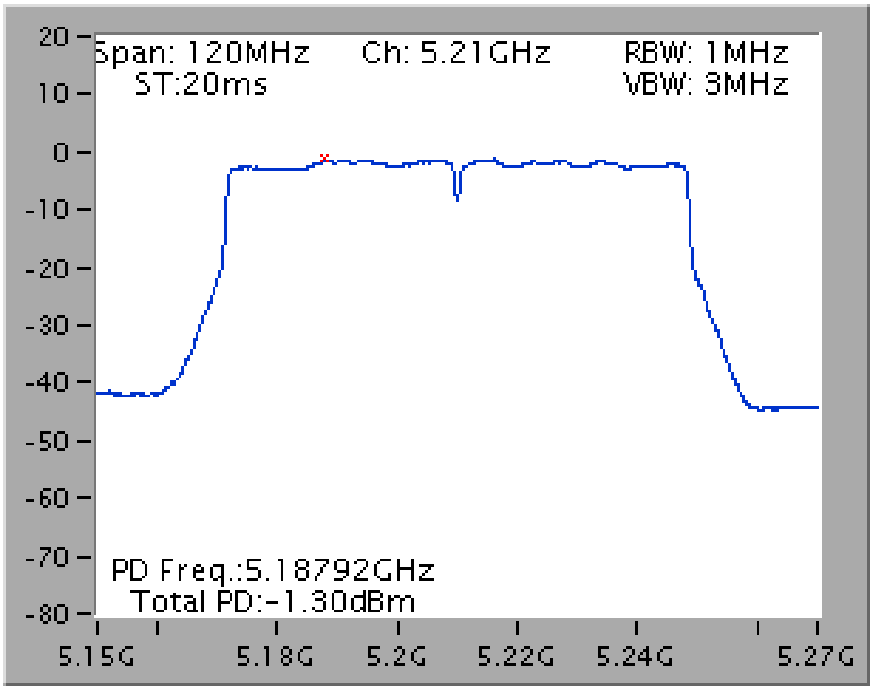
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



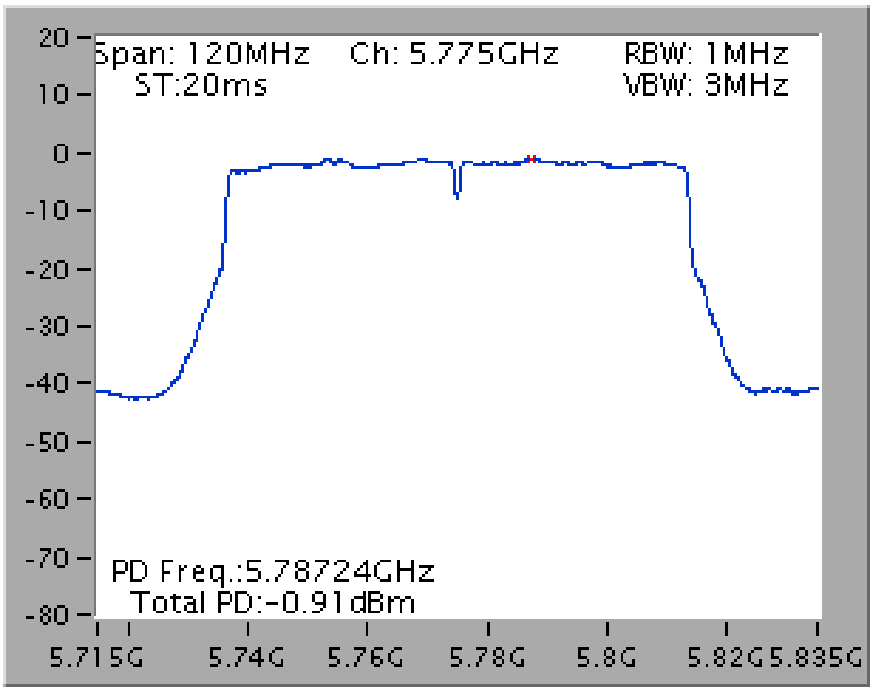
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

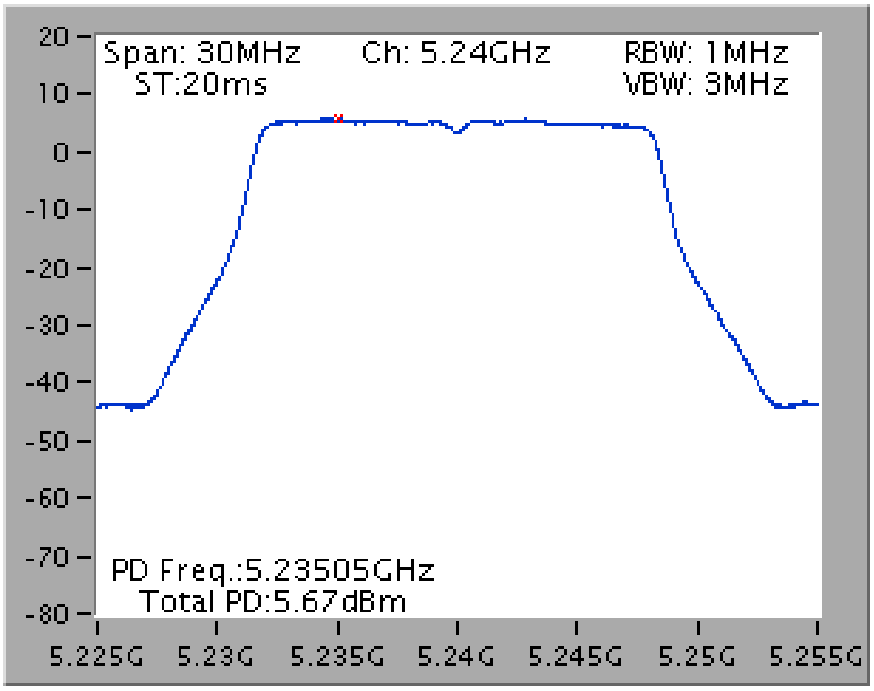


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

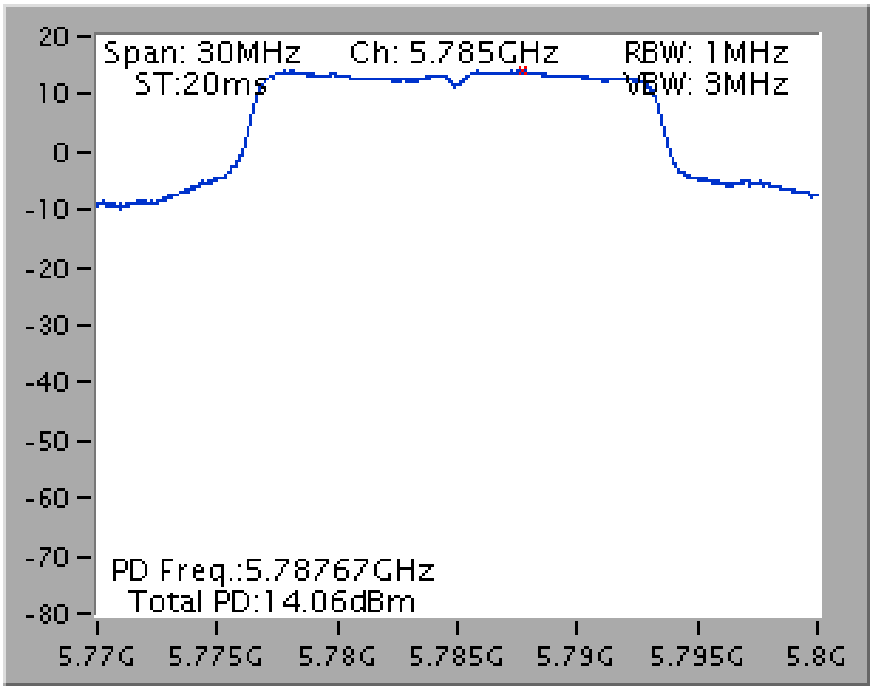


Mode 3: EUT 1 + Set 3 Sector Antenna / 5.5 dBi

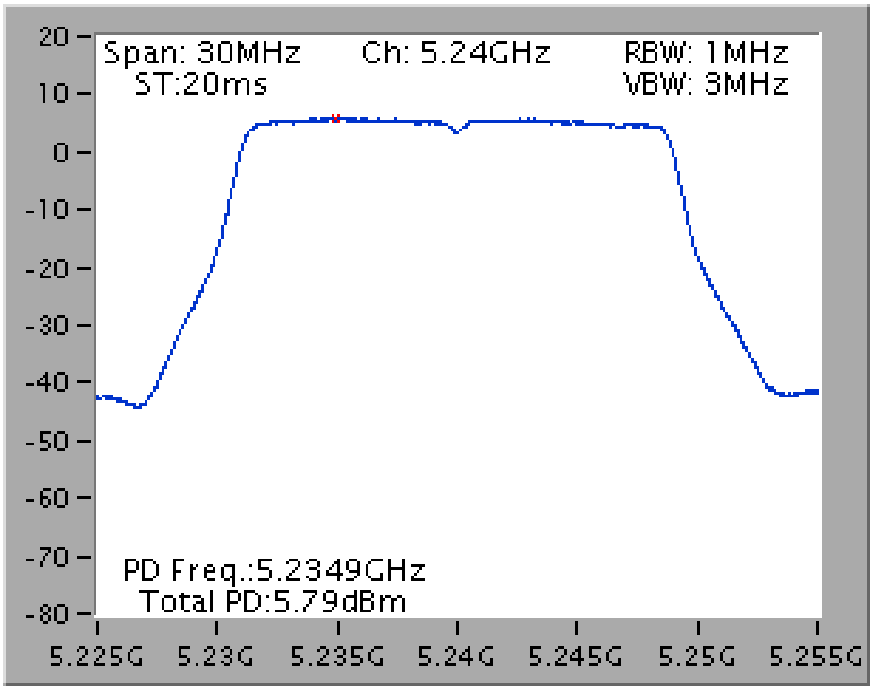
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



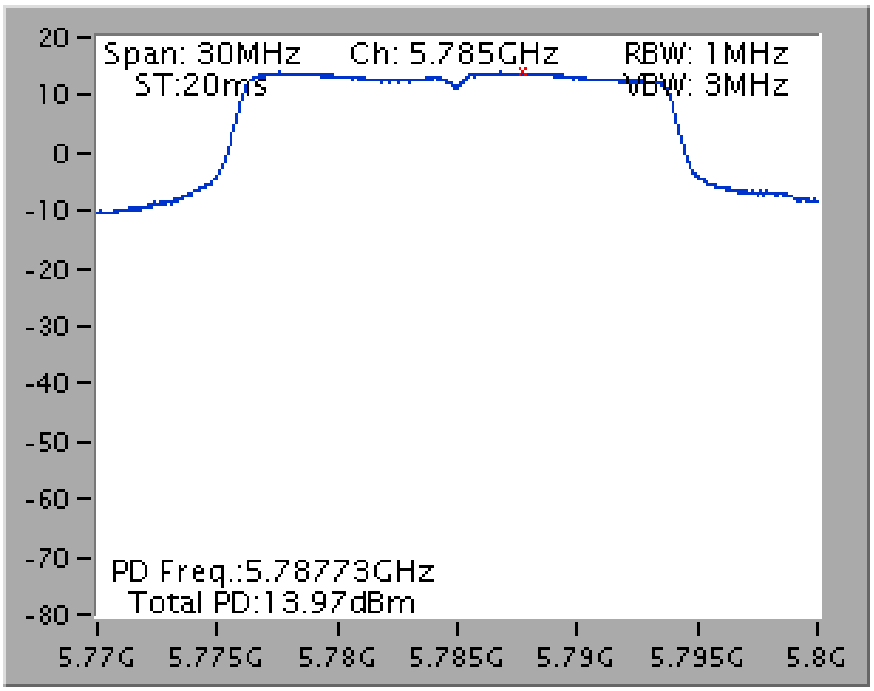
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



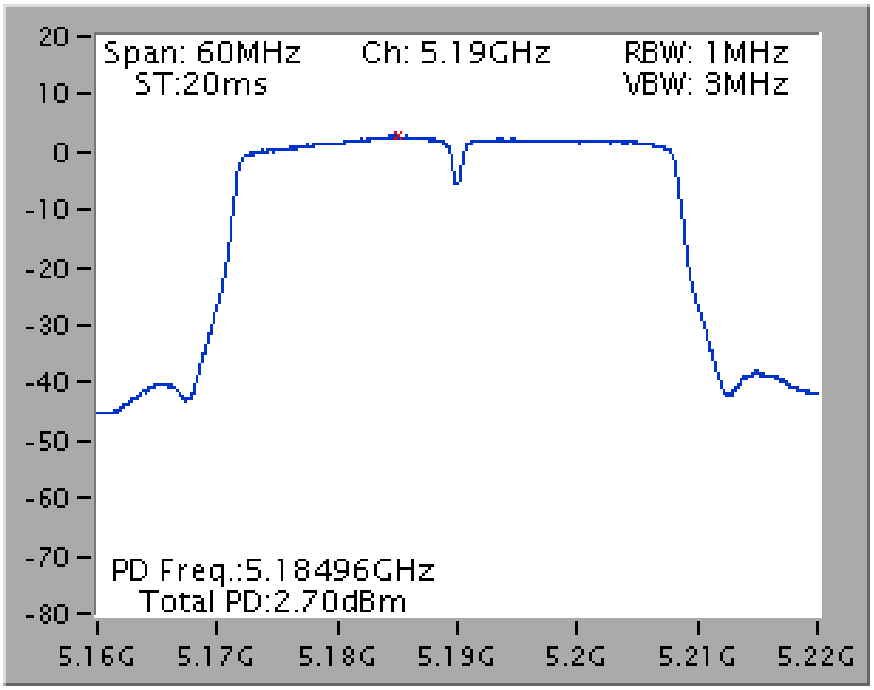
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



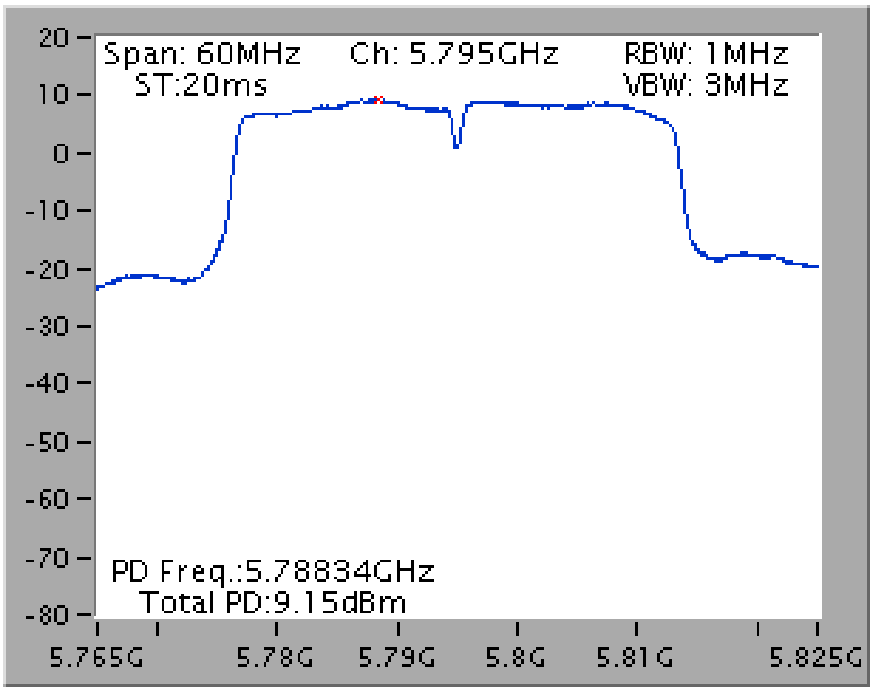
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



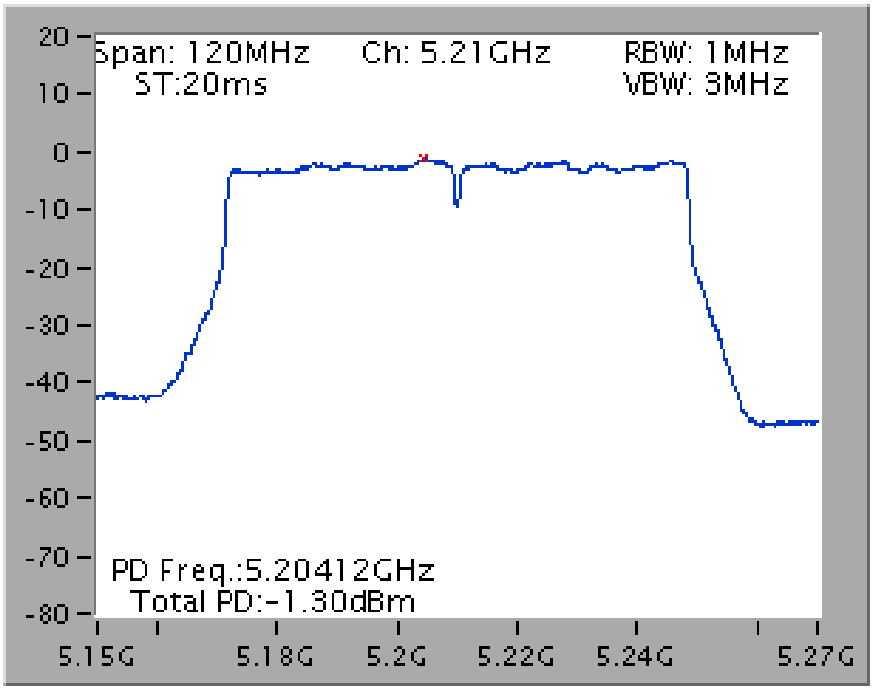
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz



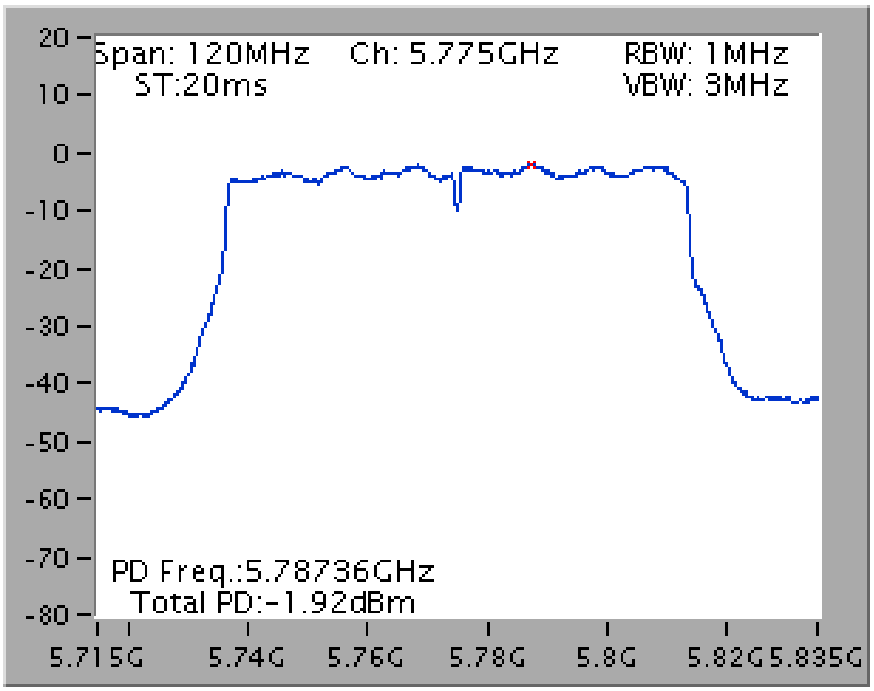
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

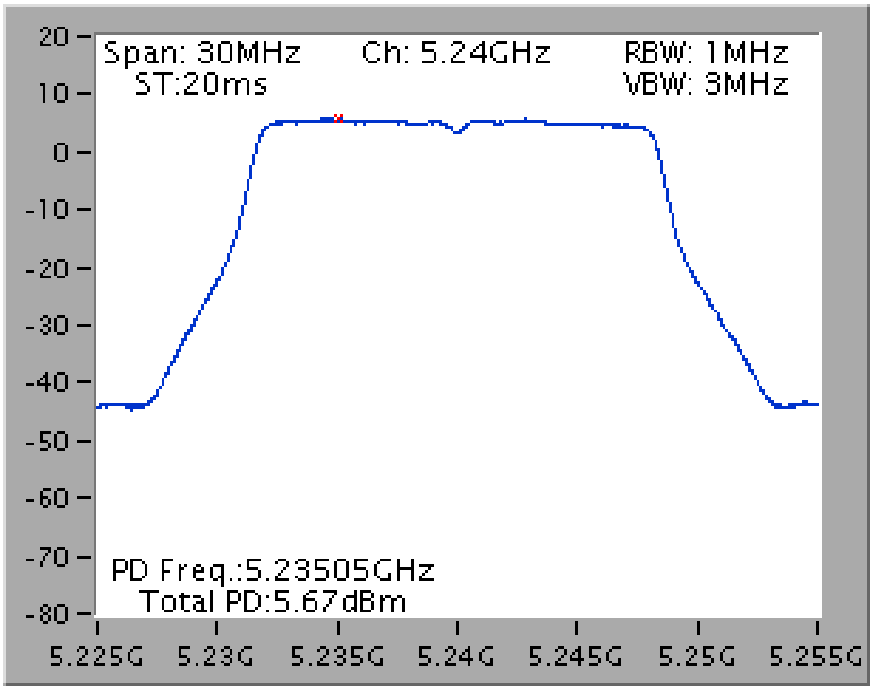


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

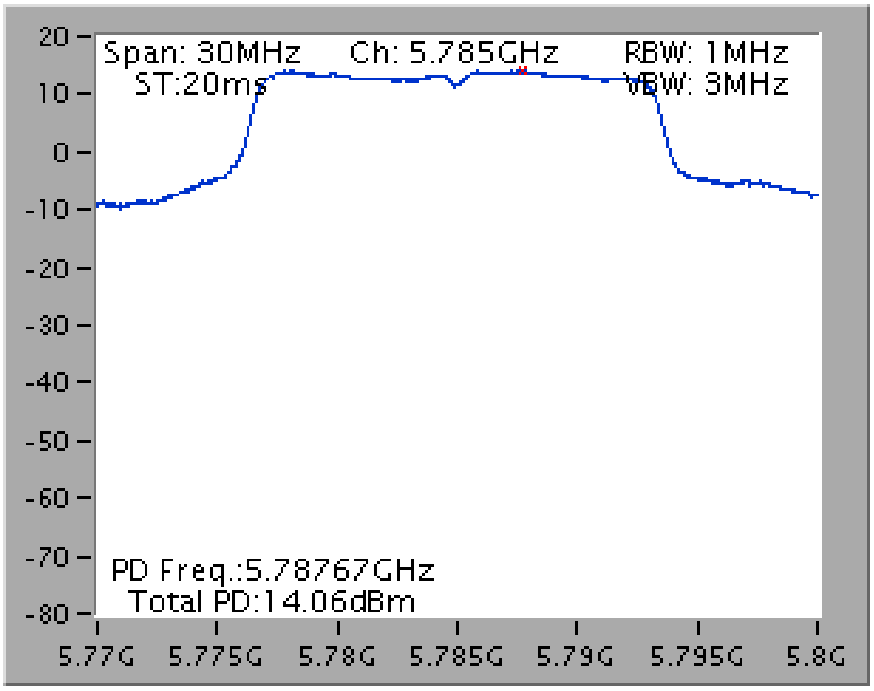


Mode 4: EUT 1 + Set 4 Sector Antenna / 7.5 dBi

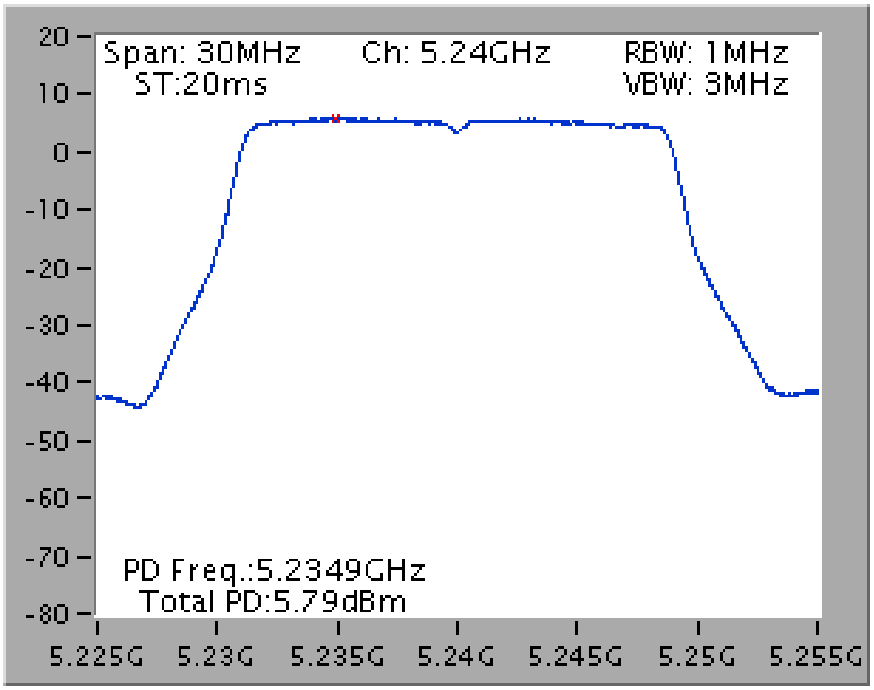
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



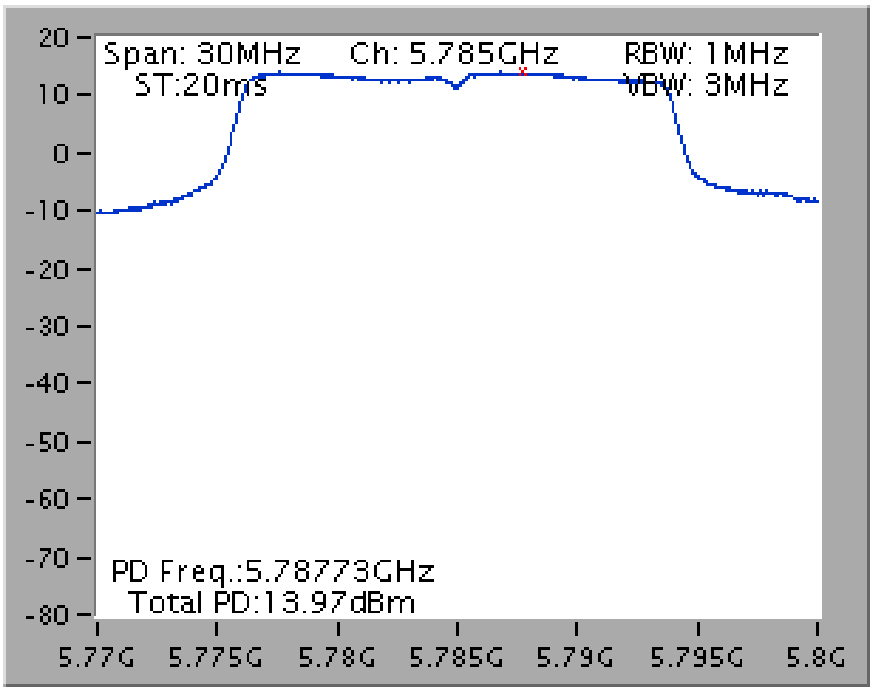
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



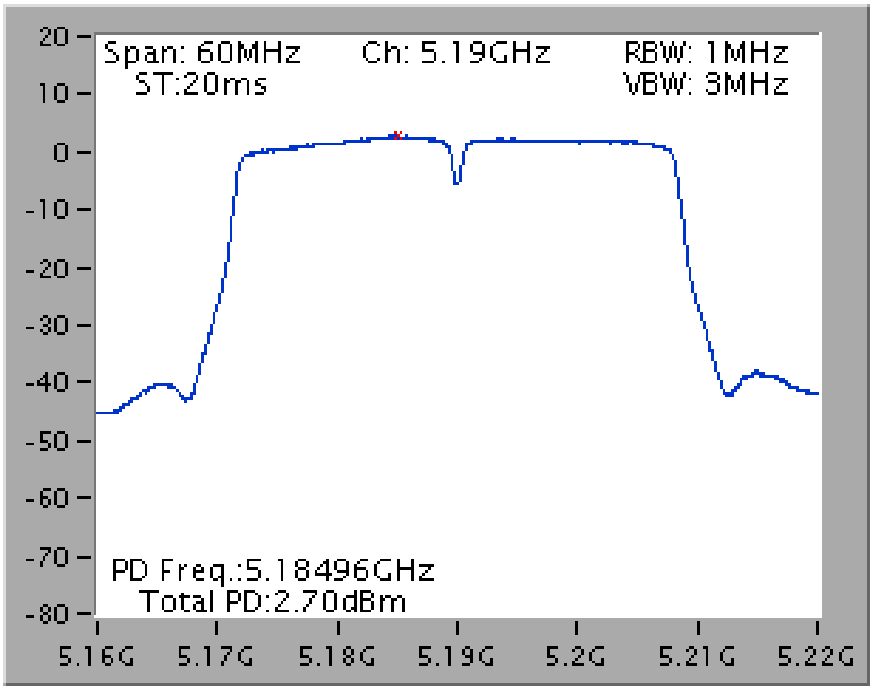
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



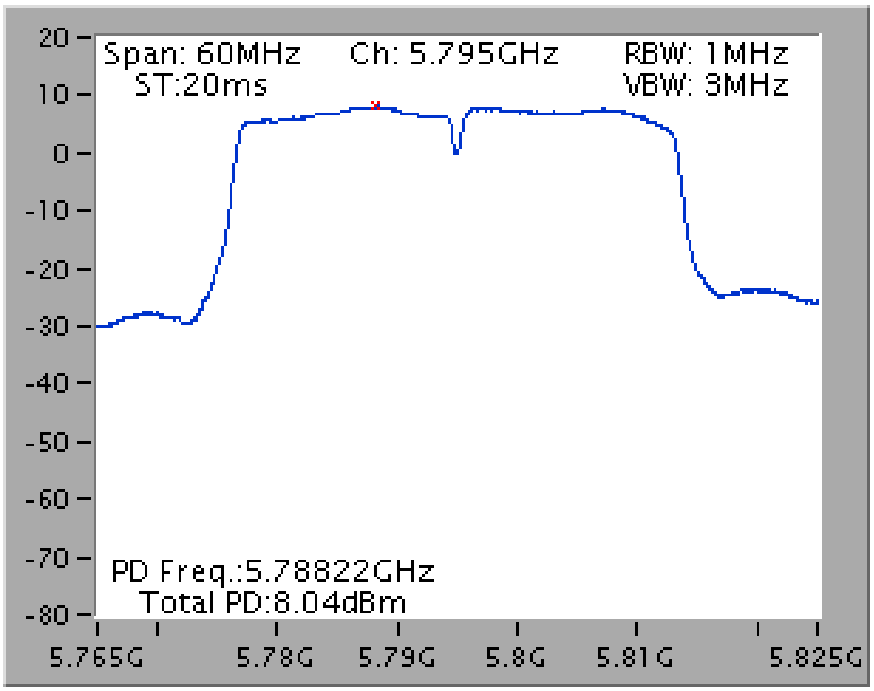
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



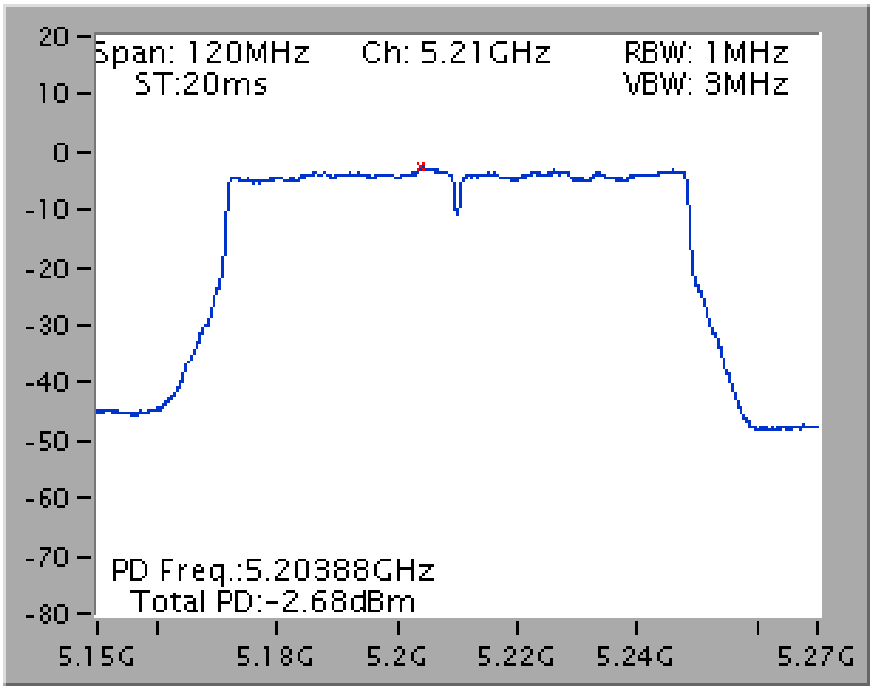
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz



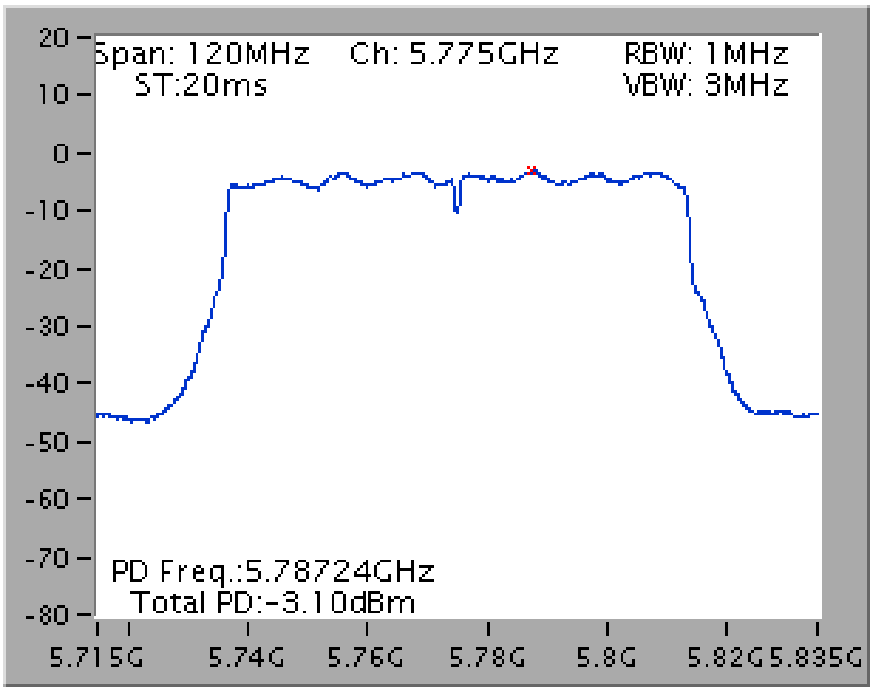
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

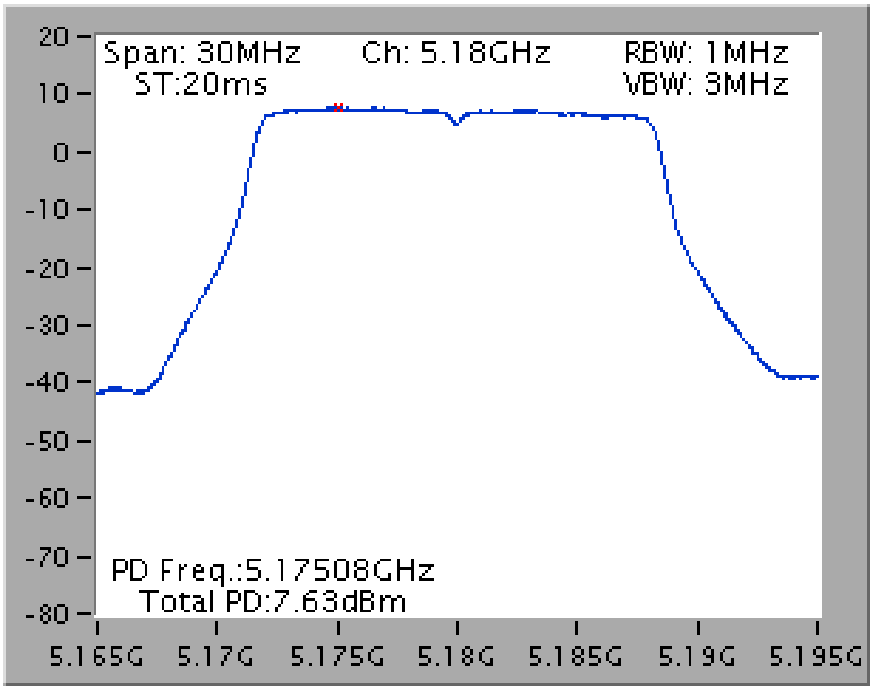


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

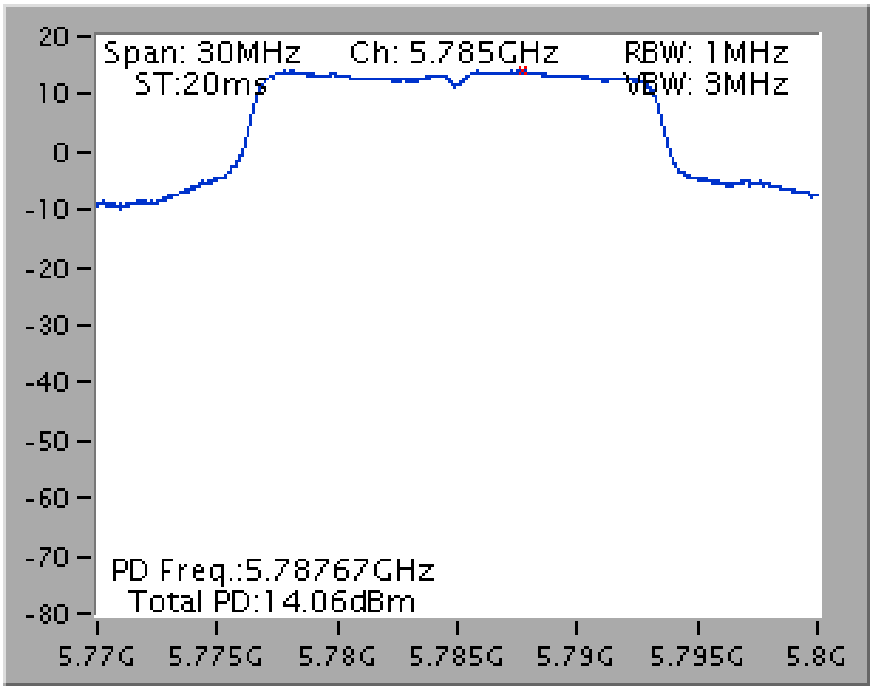


Mode 5: EUT 1 + Set 5 Panel Antenna / 6 dBi

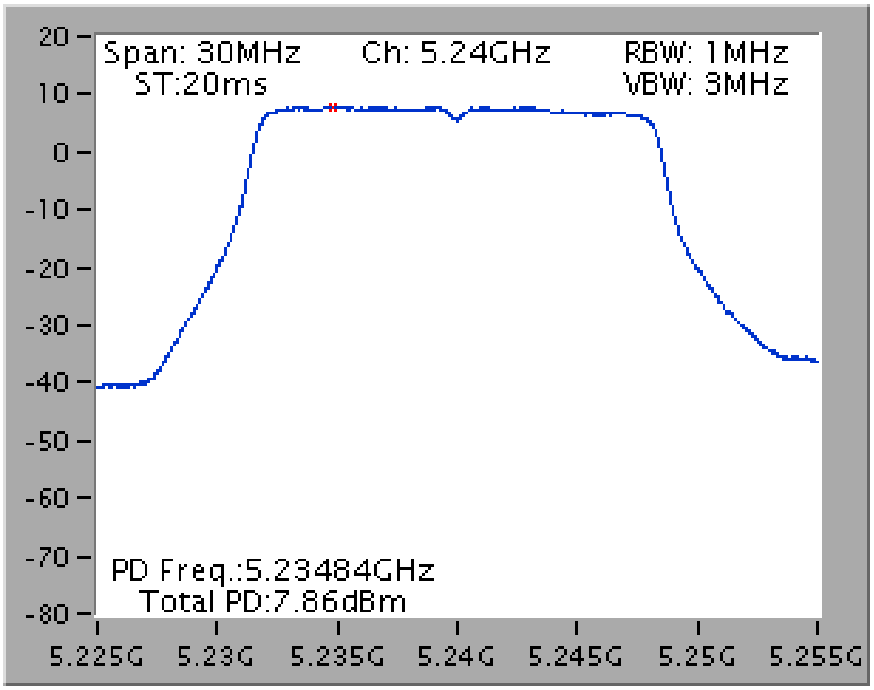
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



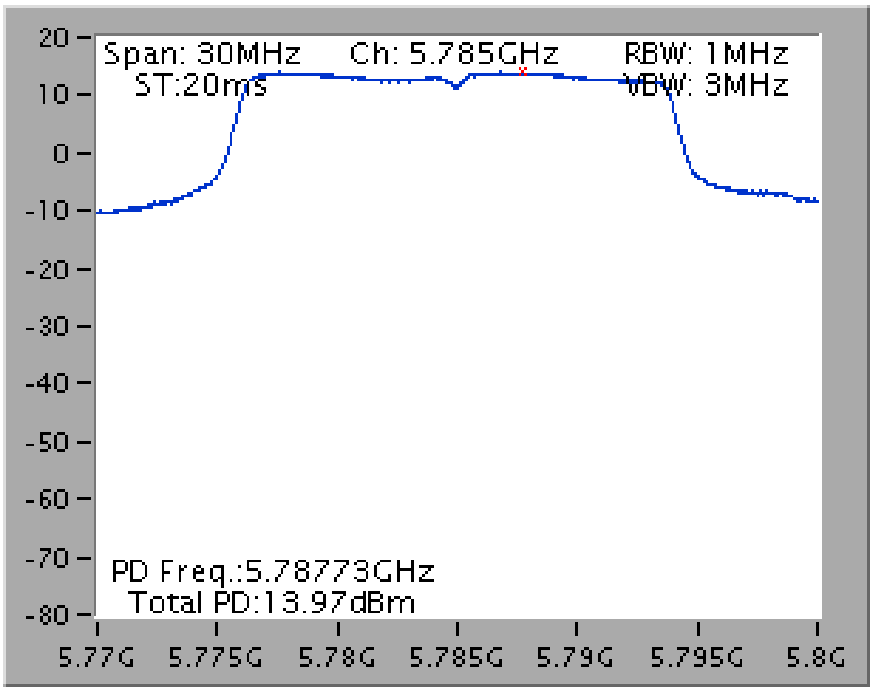
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



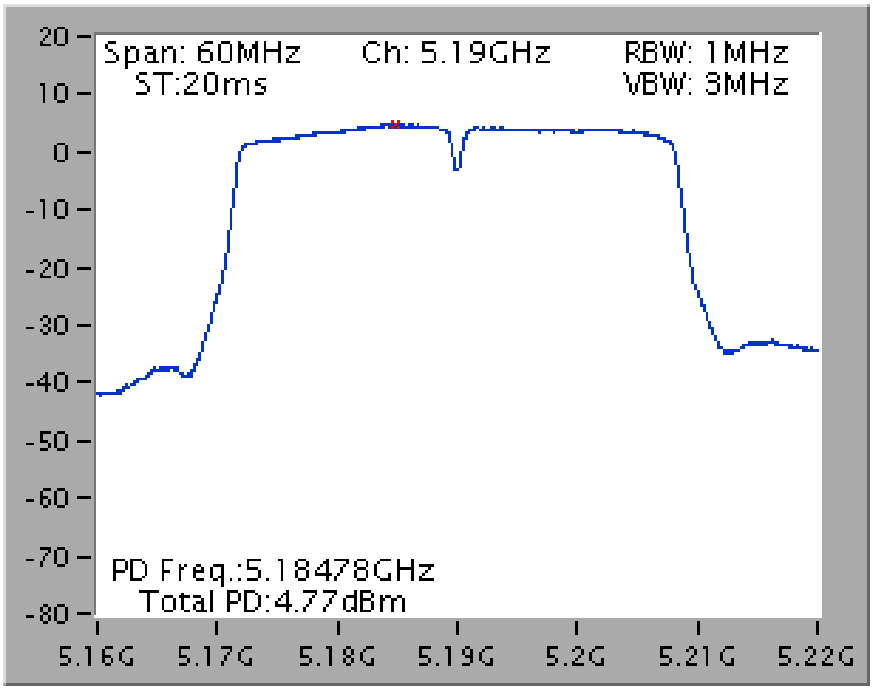
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



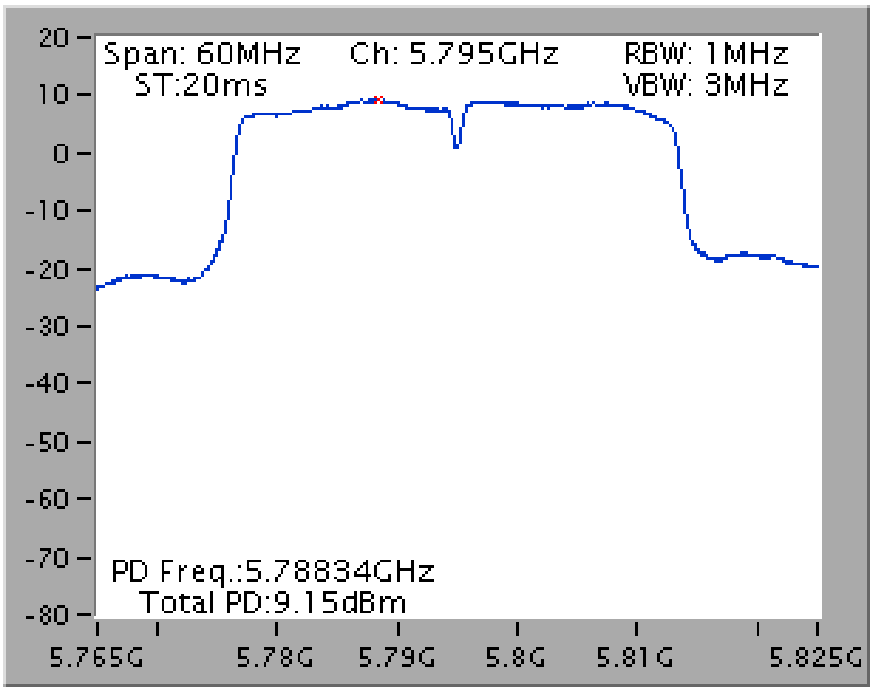
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



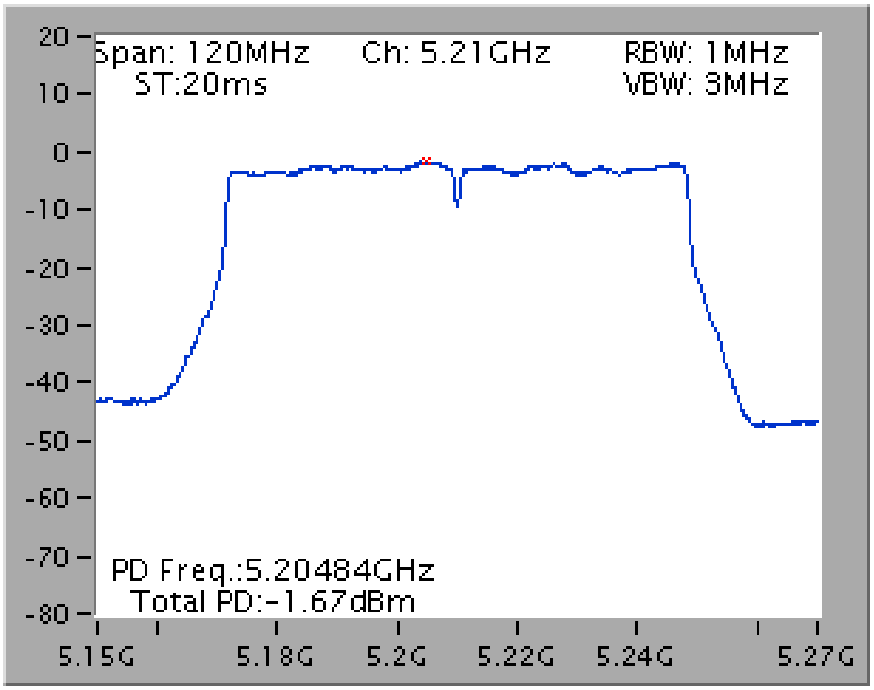
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz



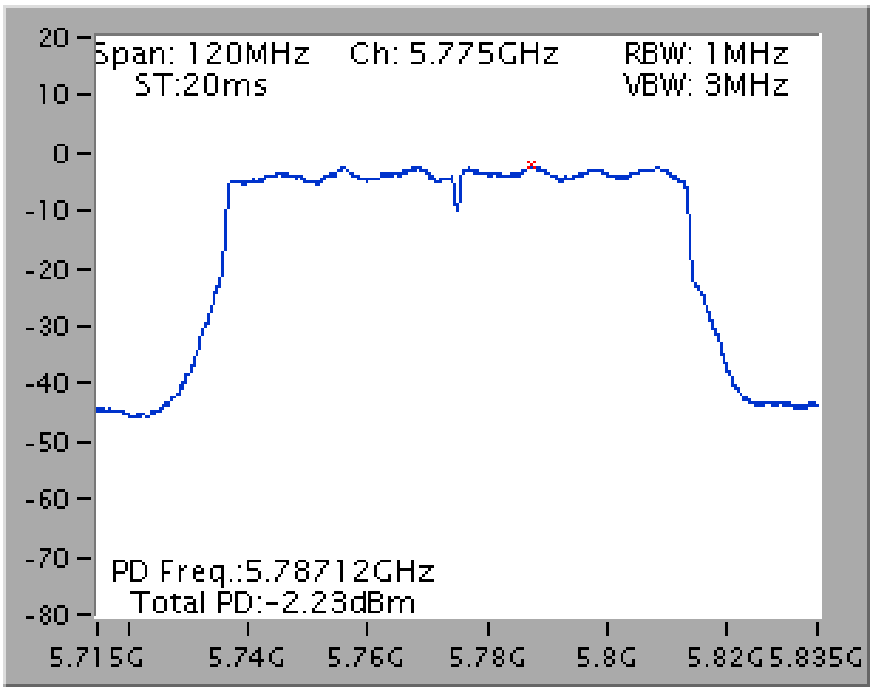
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

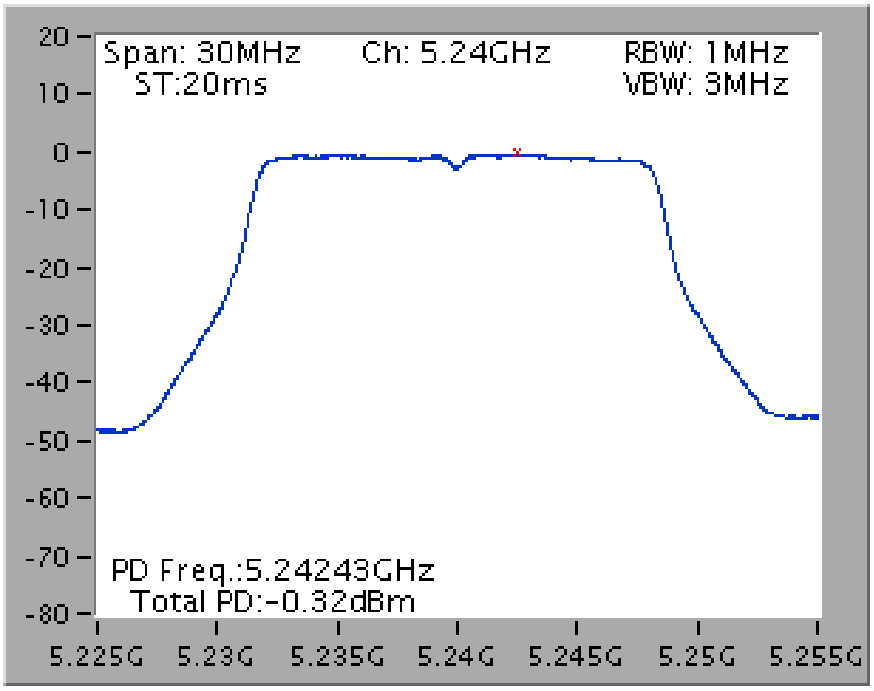


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

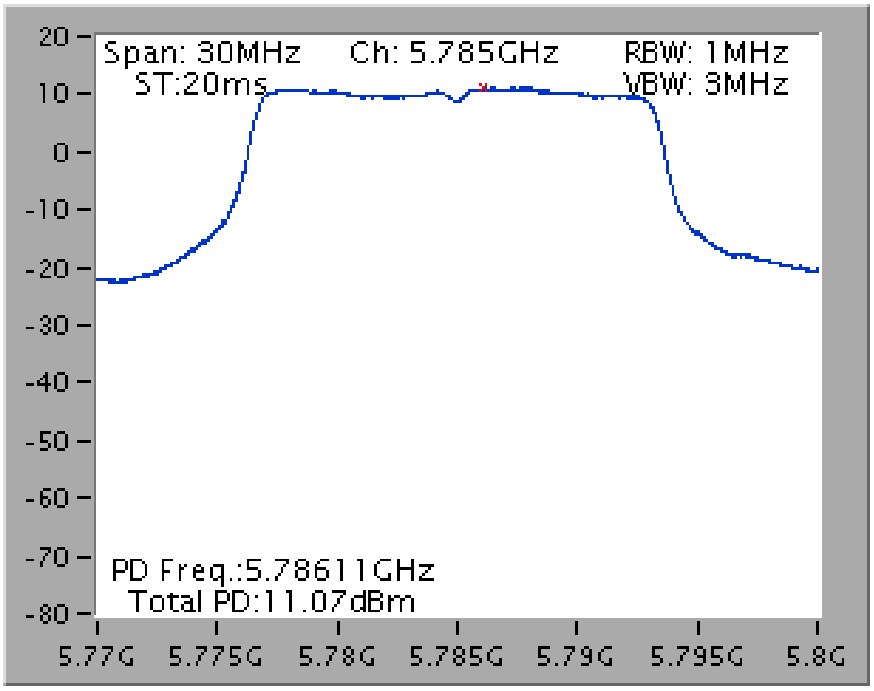


Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi

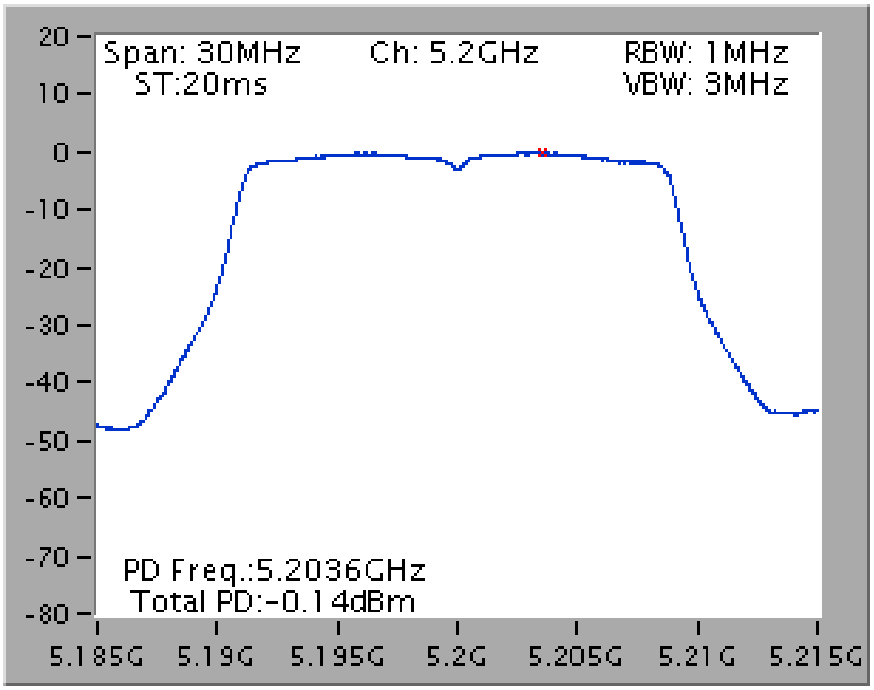
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



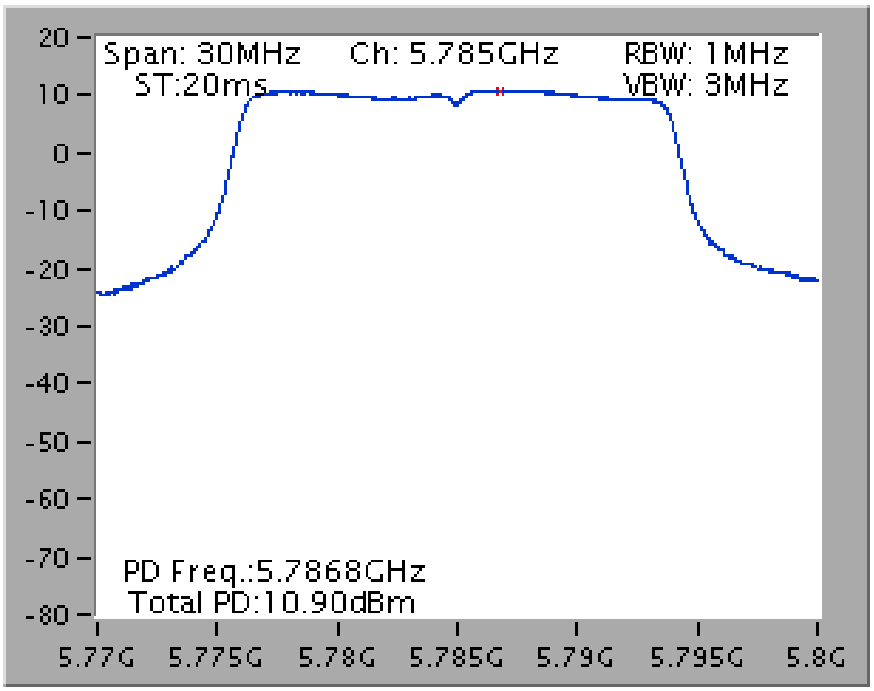
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



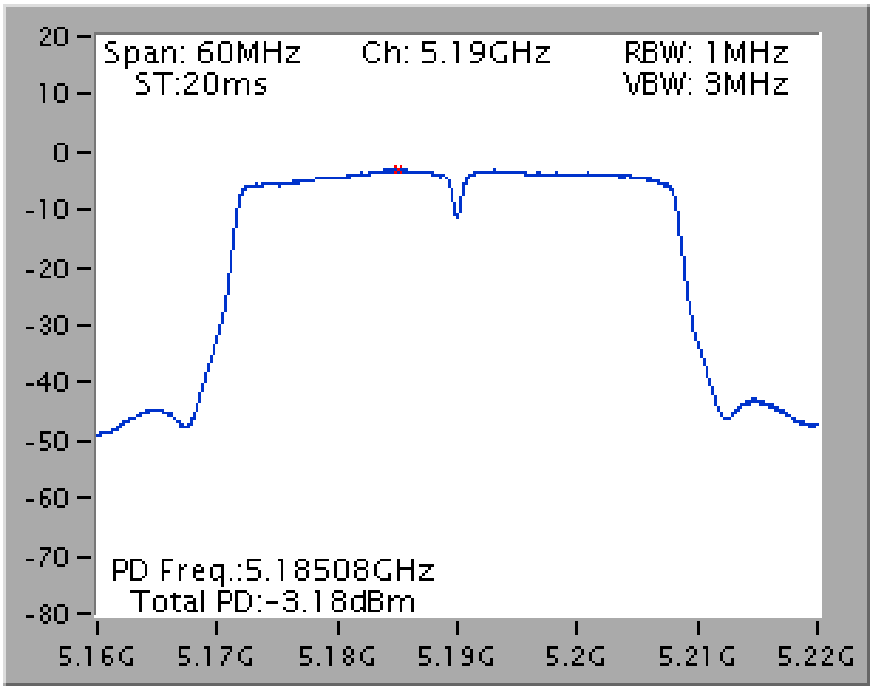
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



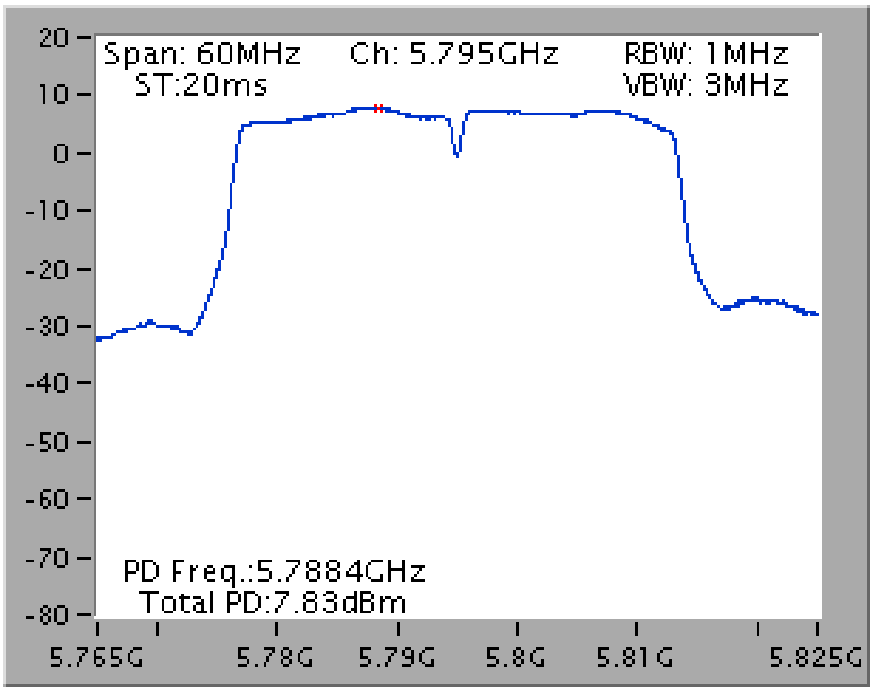
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



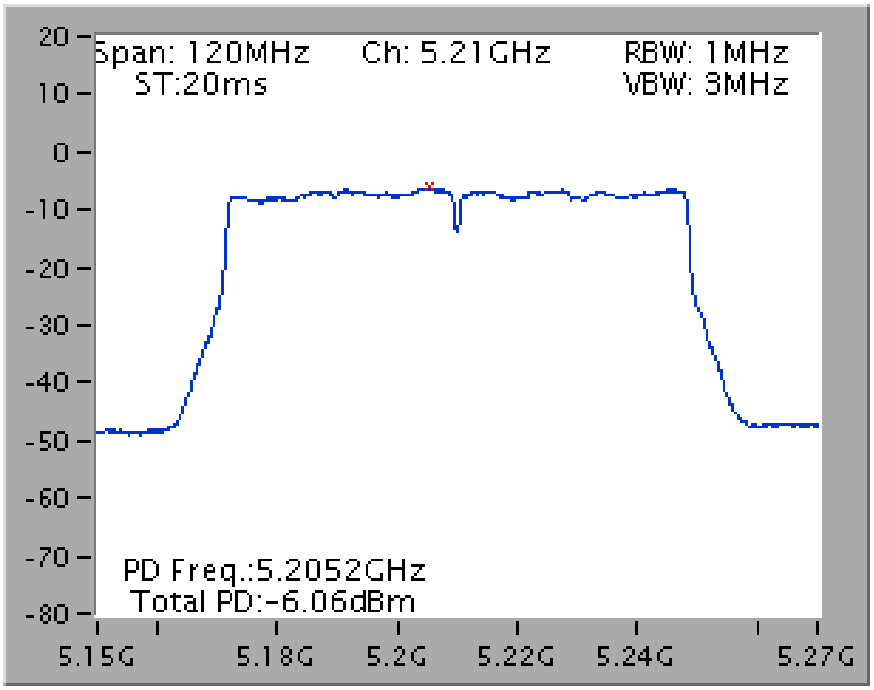
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz



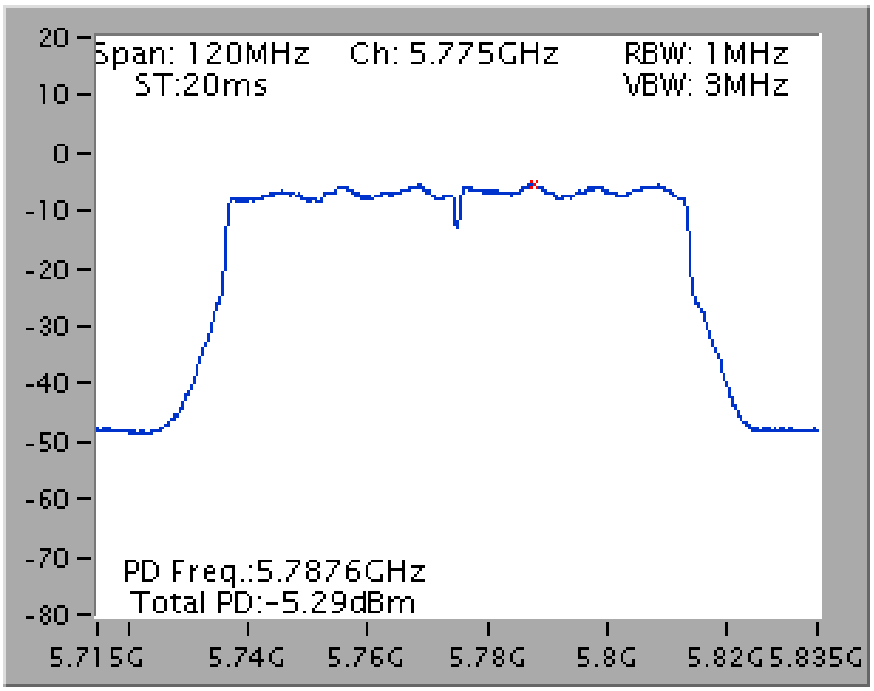
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

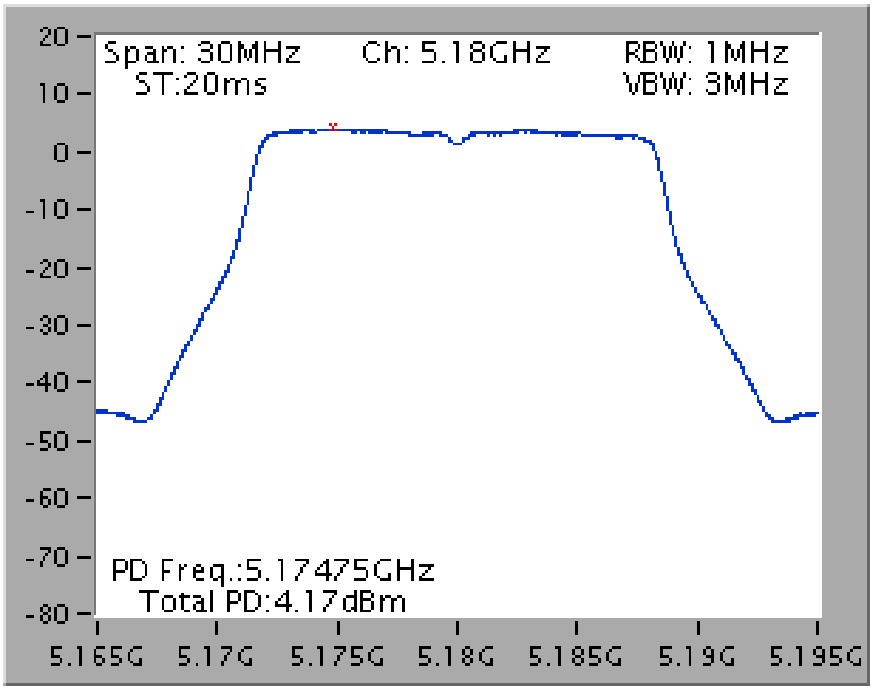


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

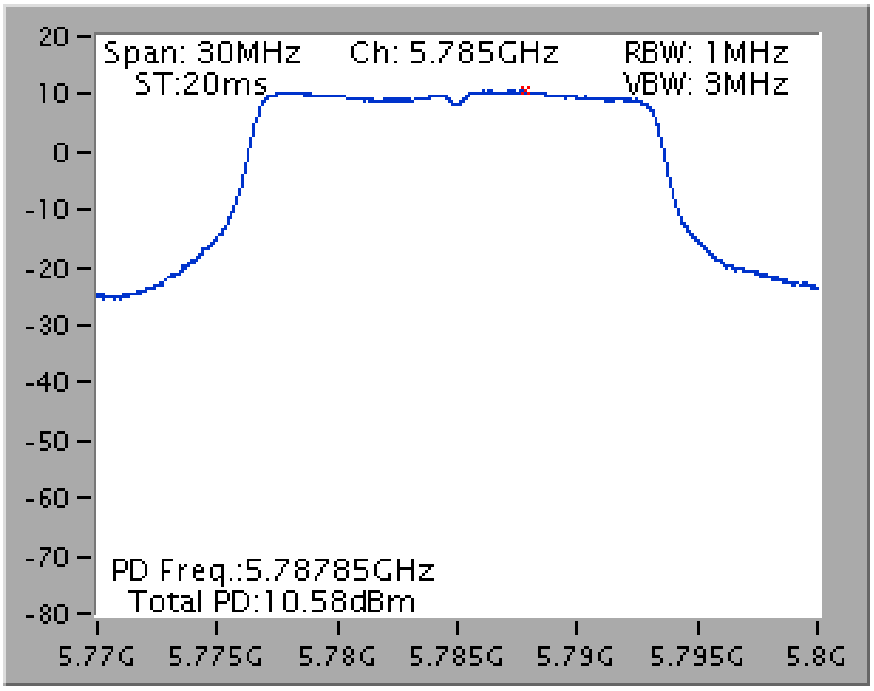


Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi

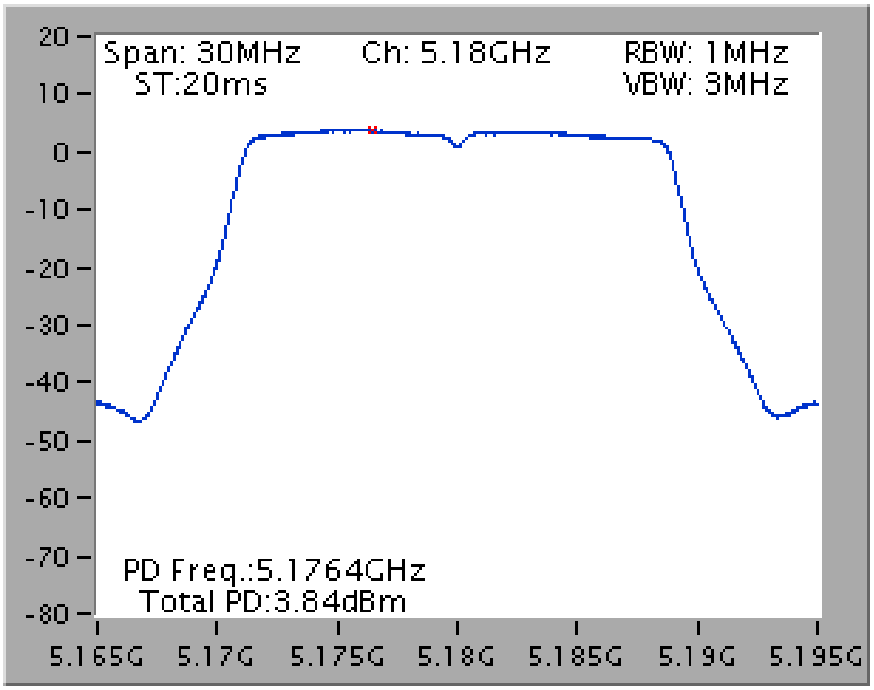
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



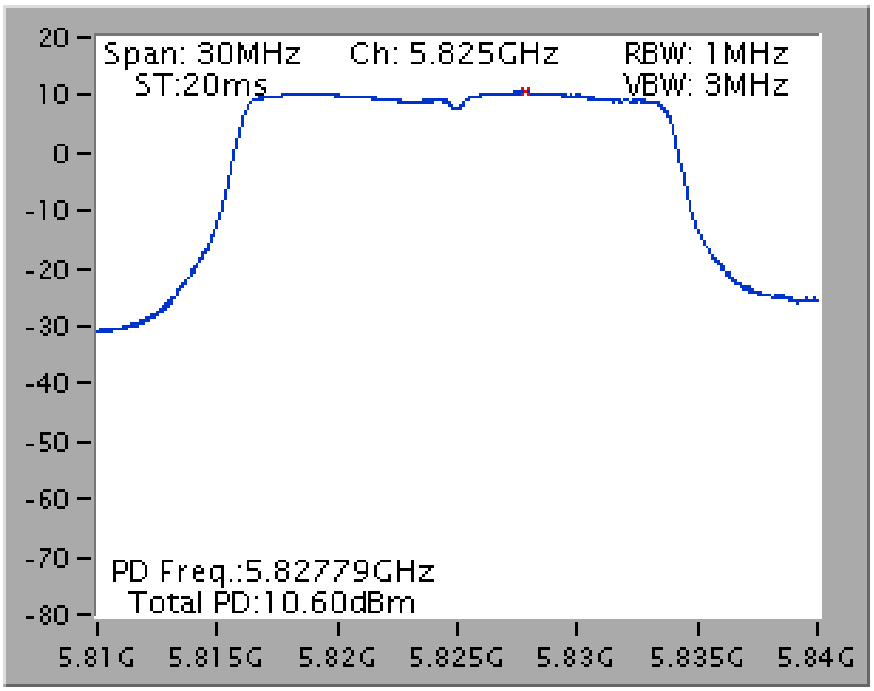
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



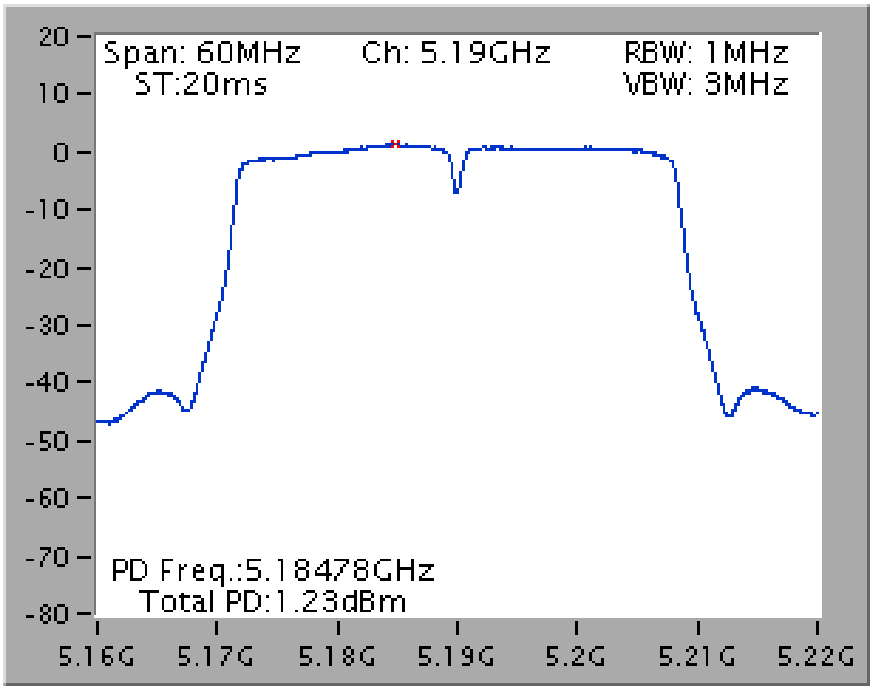
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



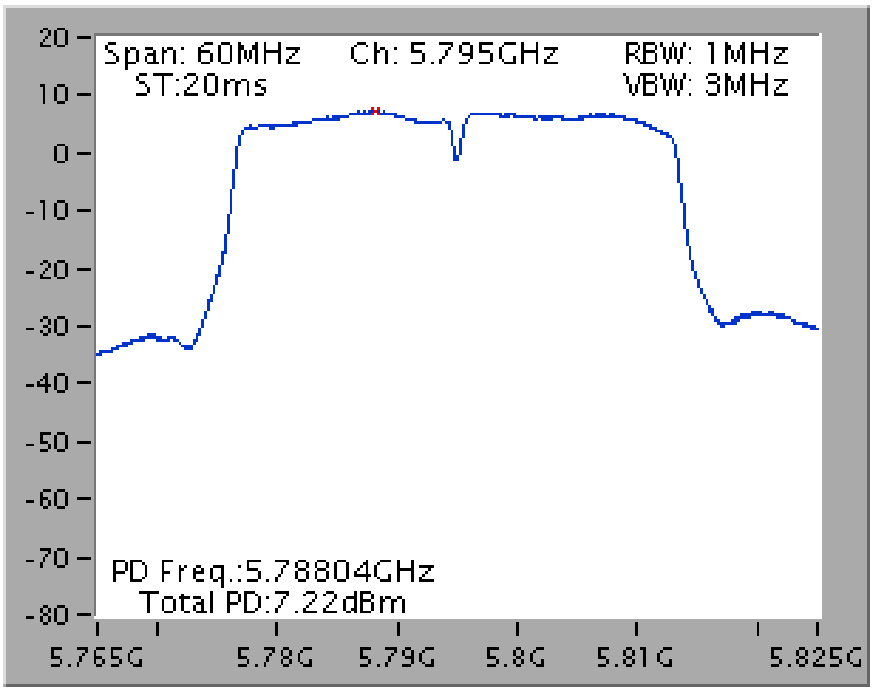
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz



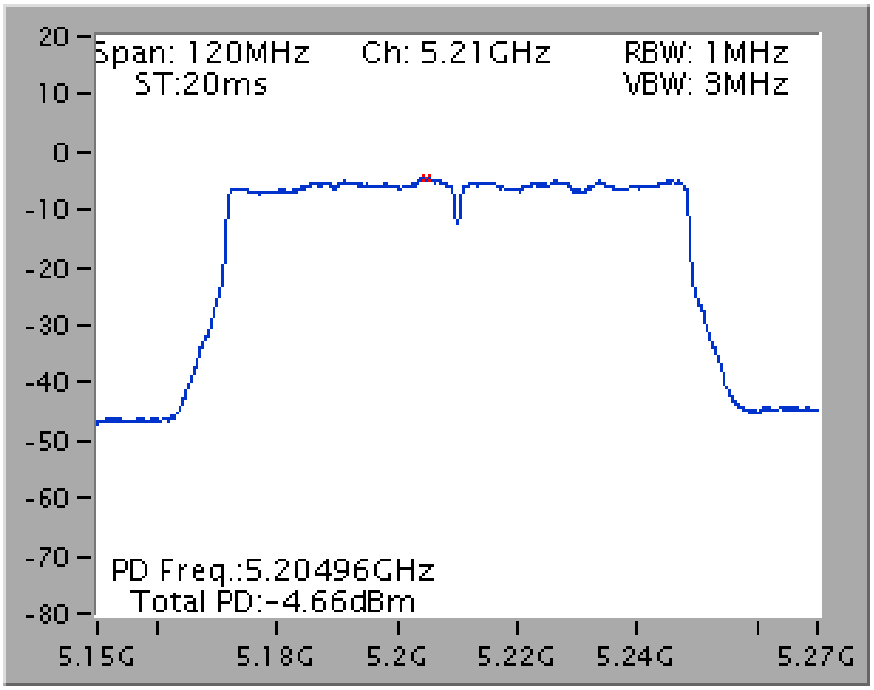
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz



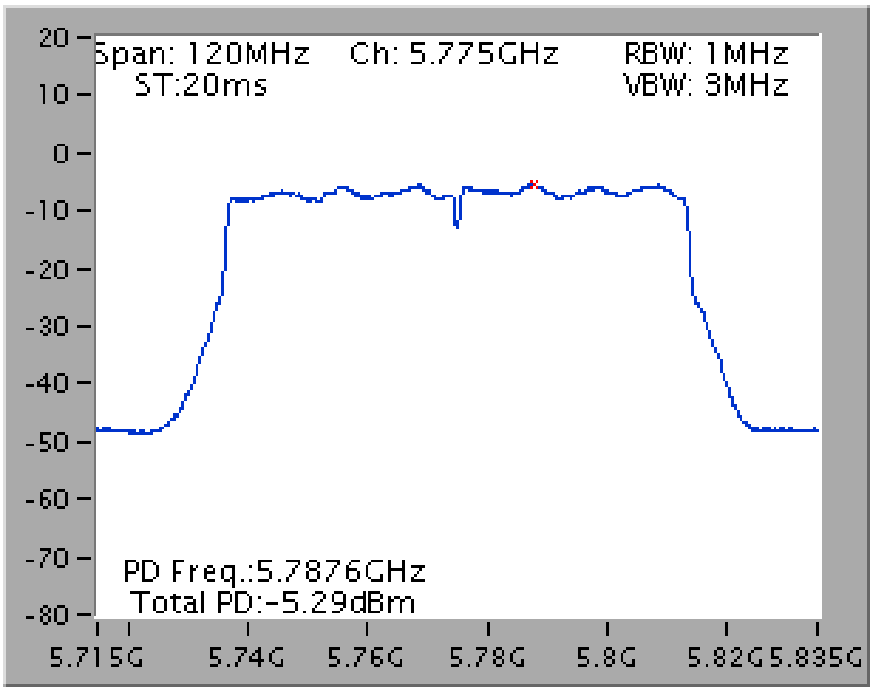
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

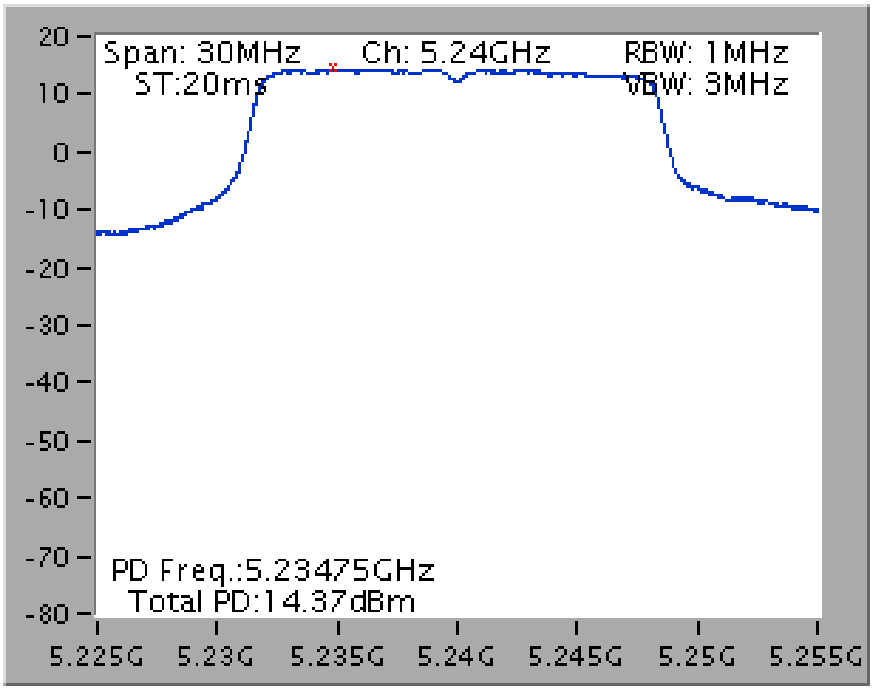


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

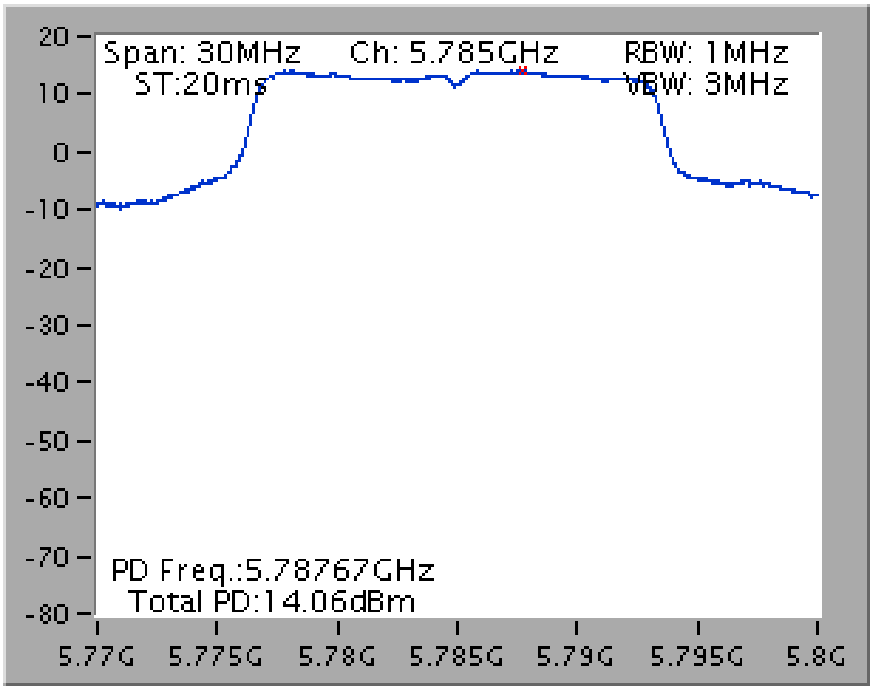


Mode 8: EUT 1 + Set 9 Sector Antenna / 4 dBi

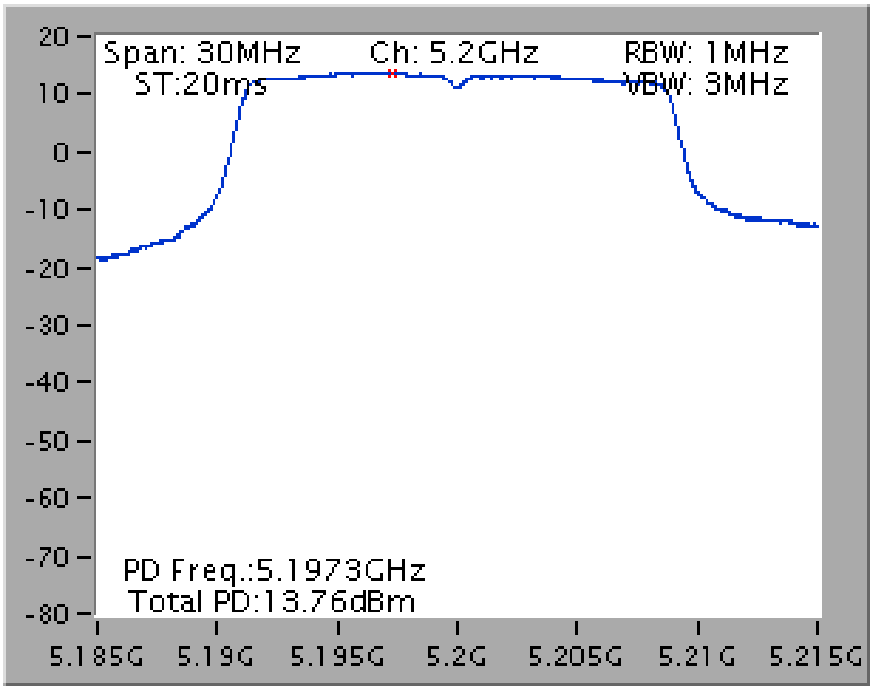
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



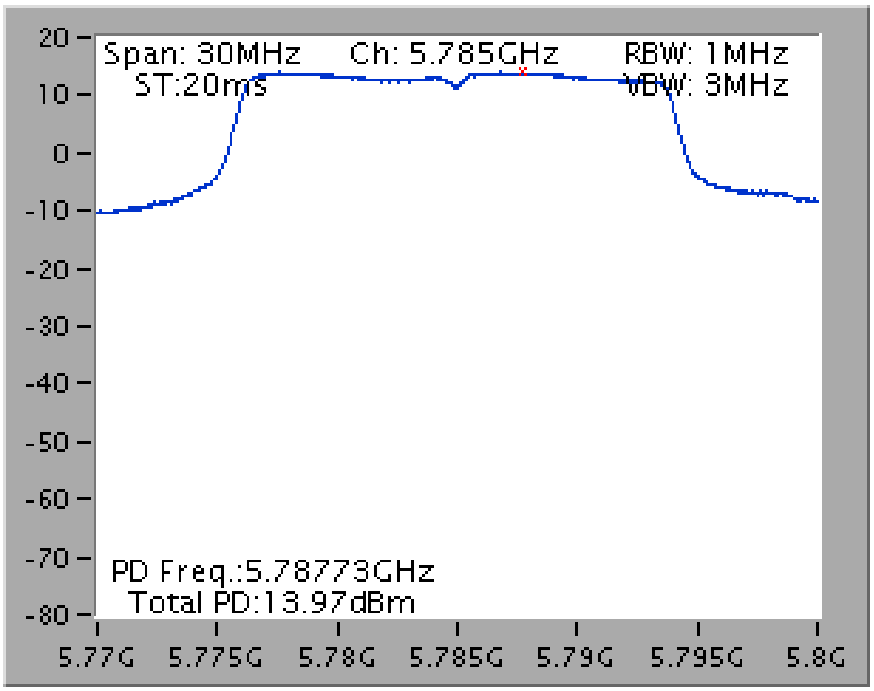
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



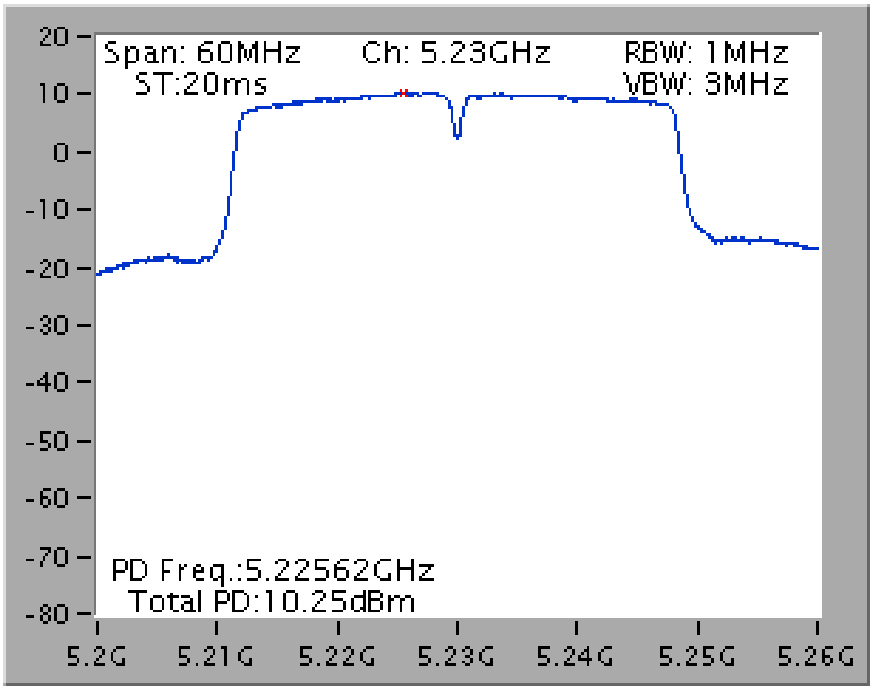
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



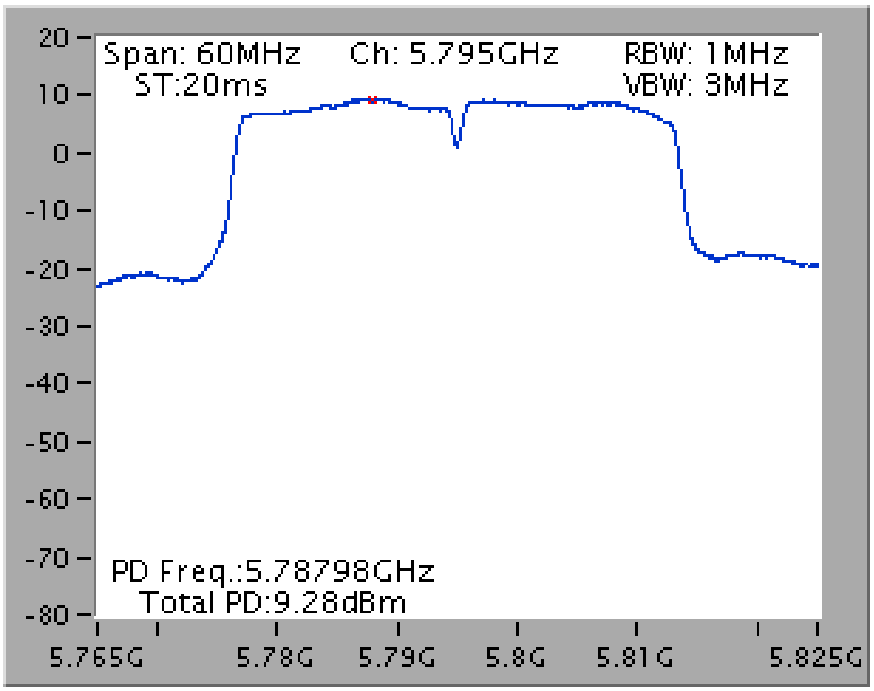
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



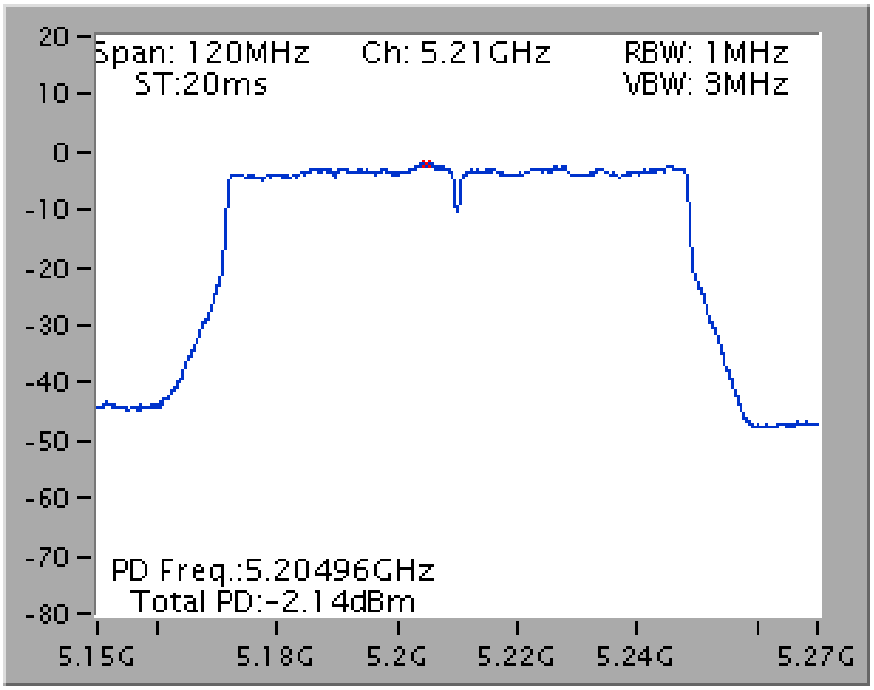
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



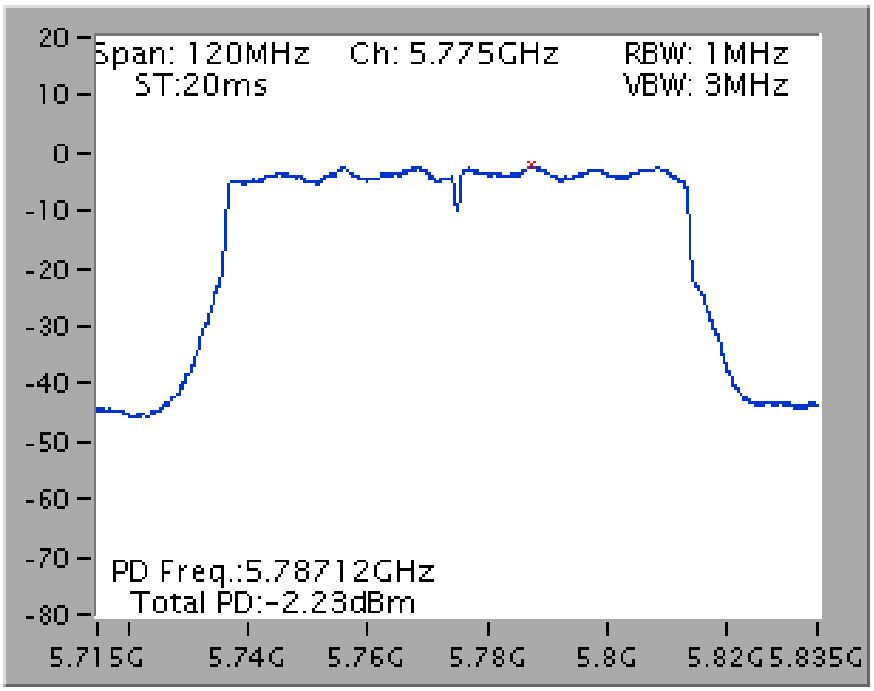
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

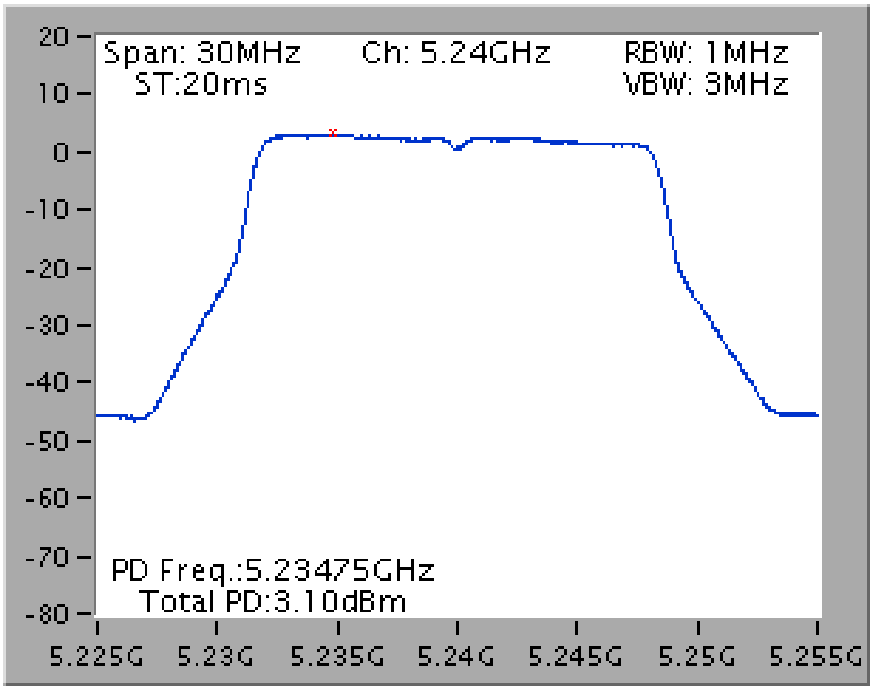


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

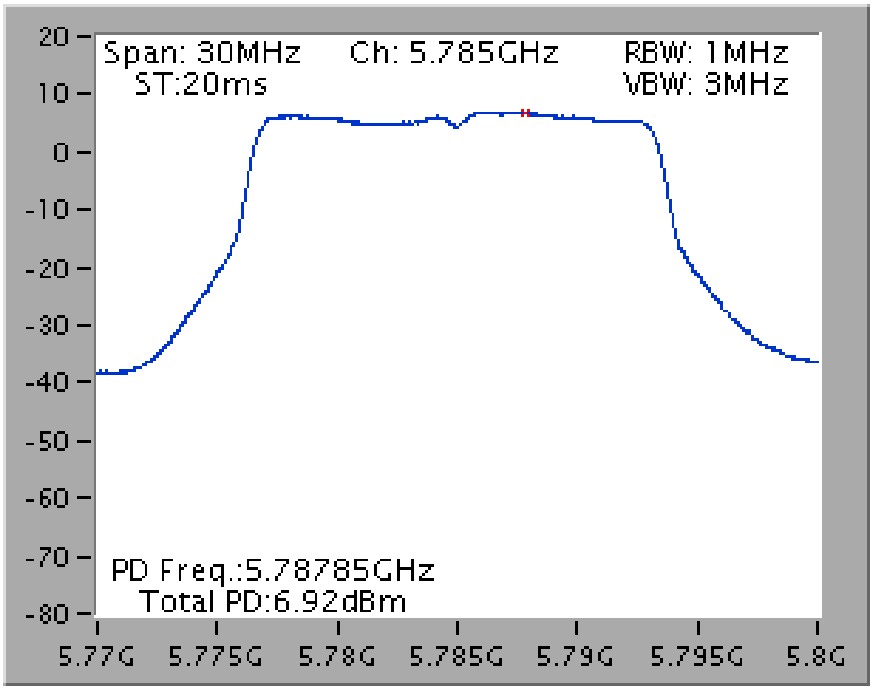


Mode 9: EUT 1 + Set 10 Panel Antenna / 23 dBi

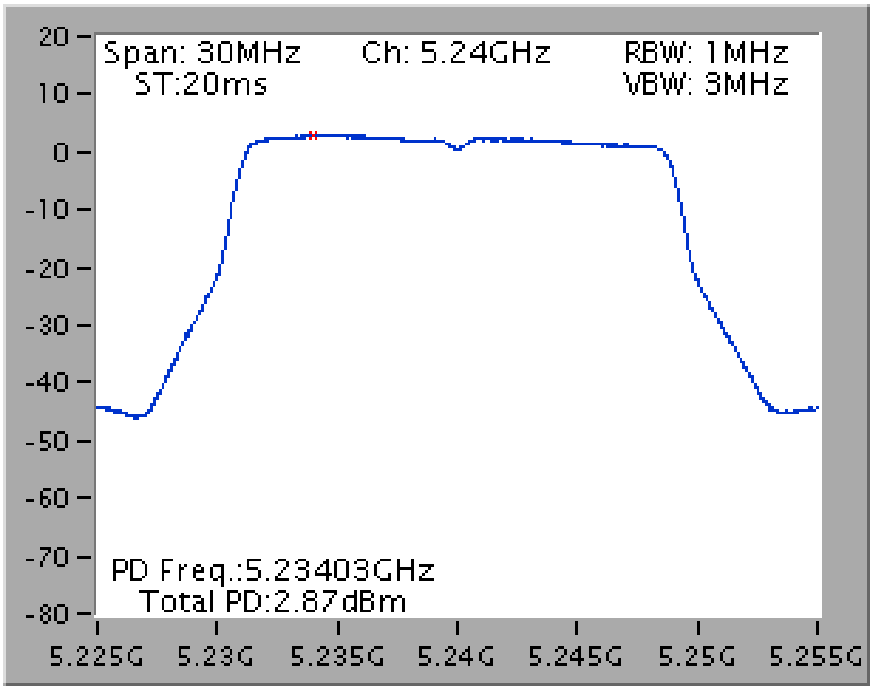
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



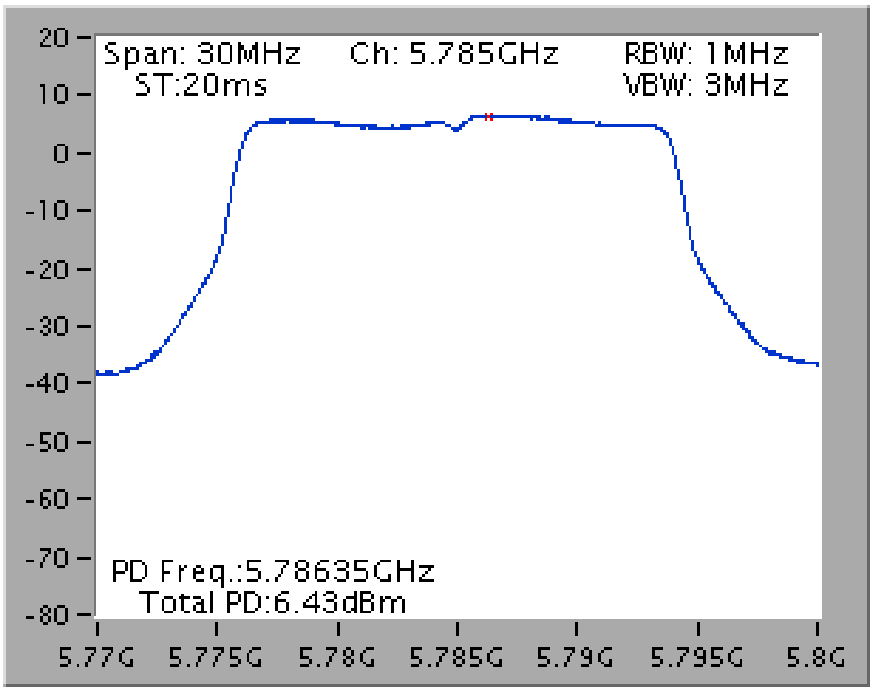
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



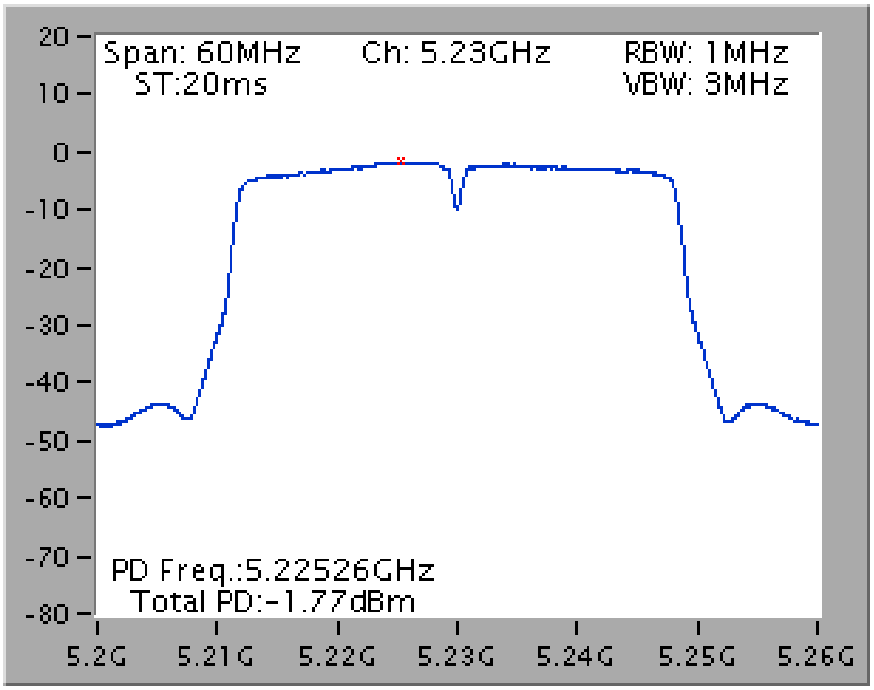
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



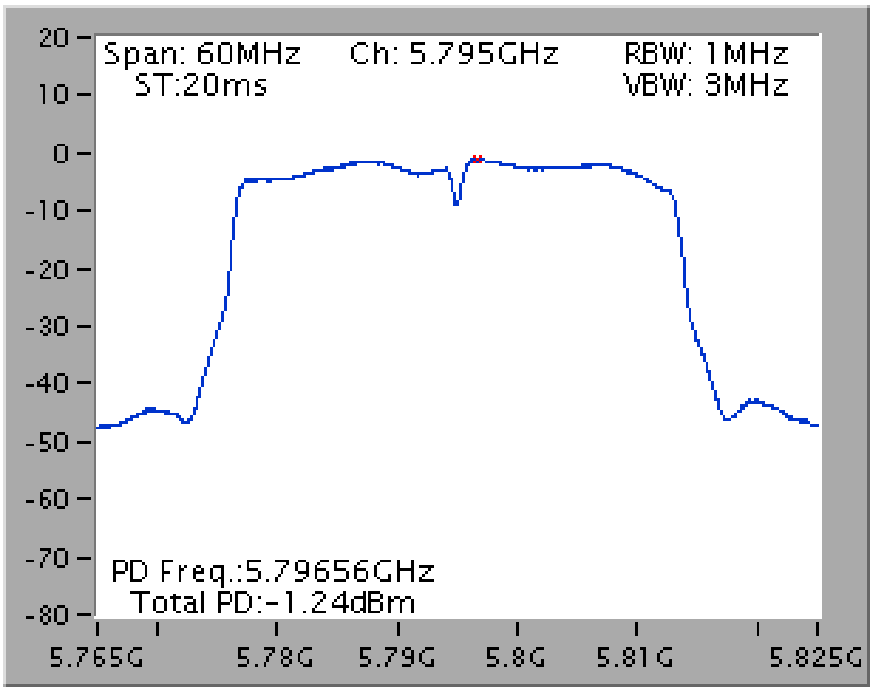
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



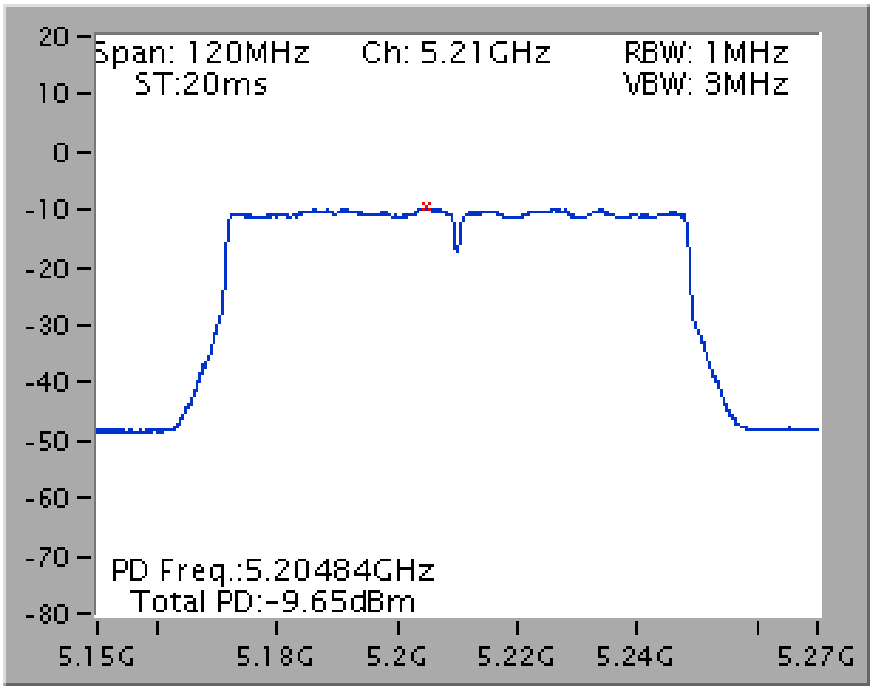
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



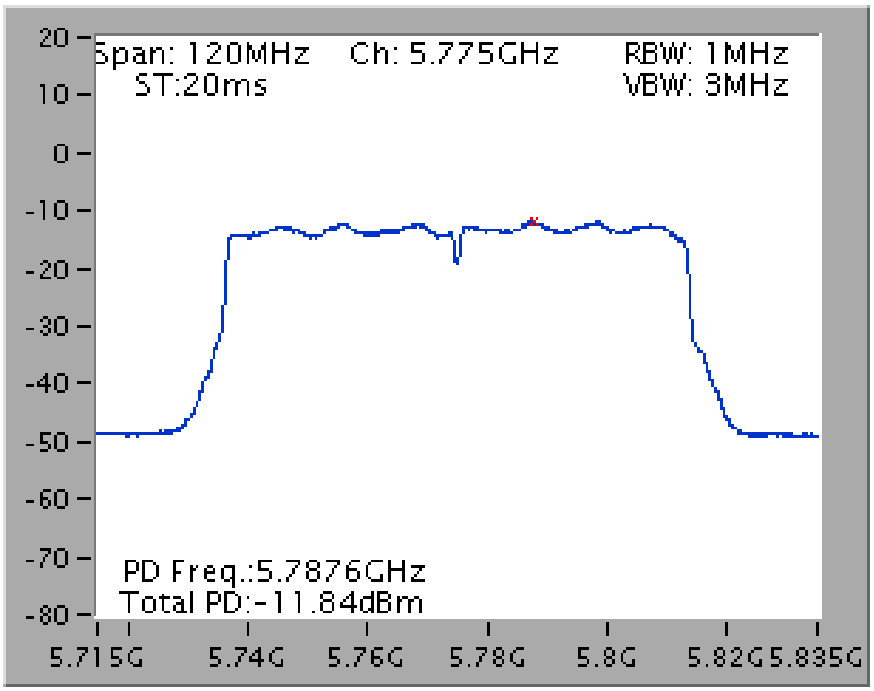
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

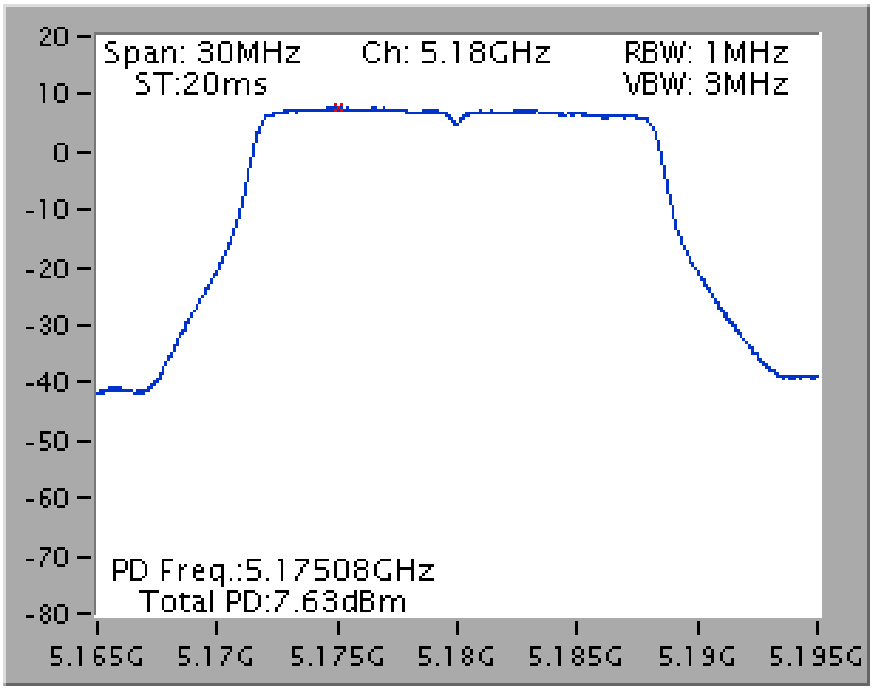


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

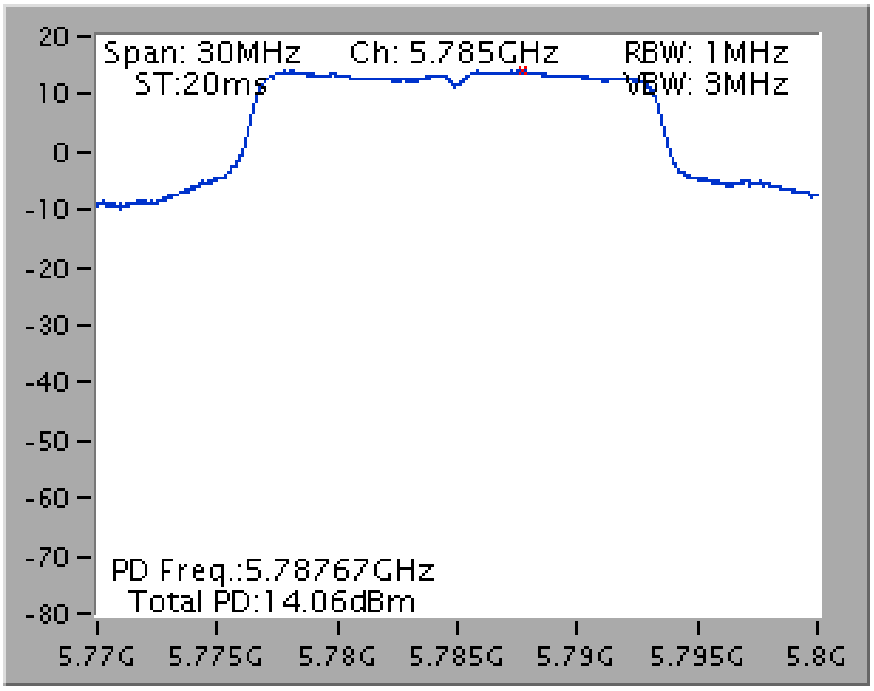


Mode 10: EUT 1 + Set 11 Omni Antenna / 6 dBi

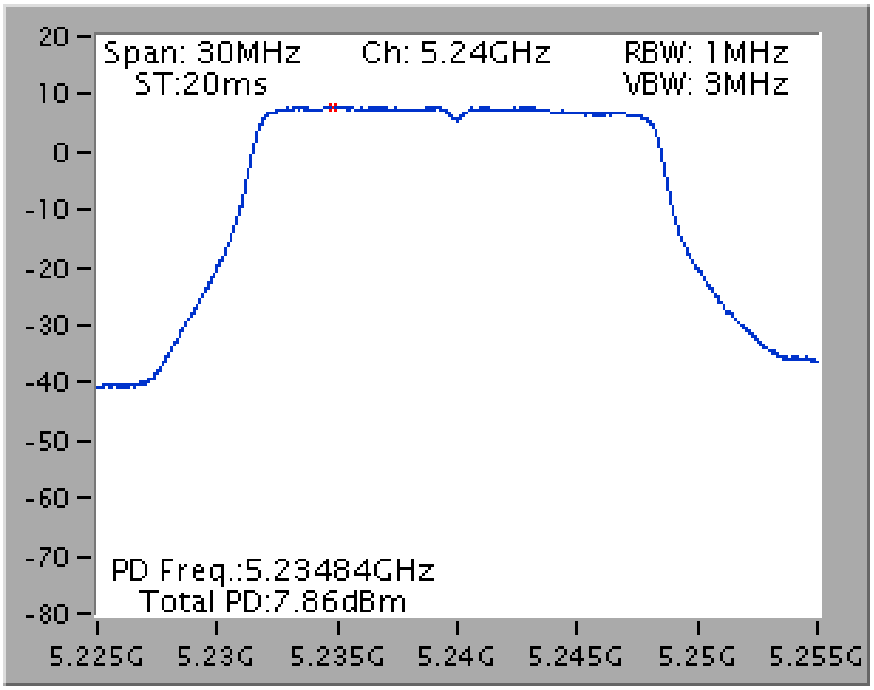
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



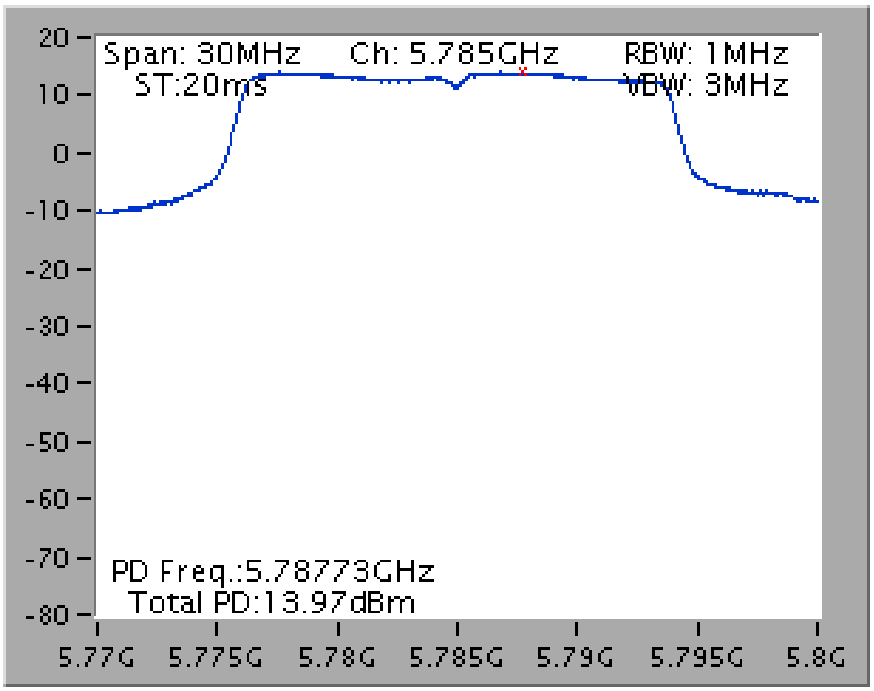
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



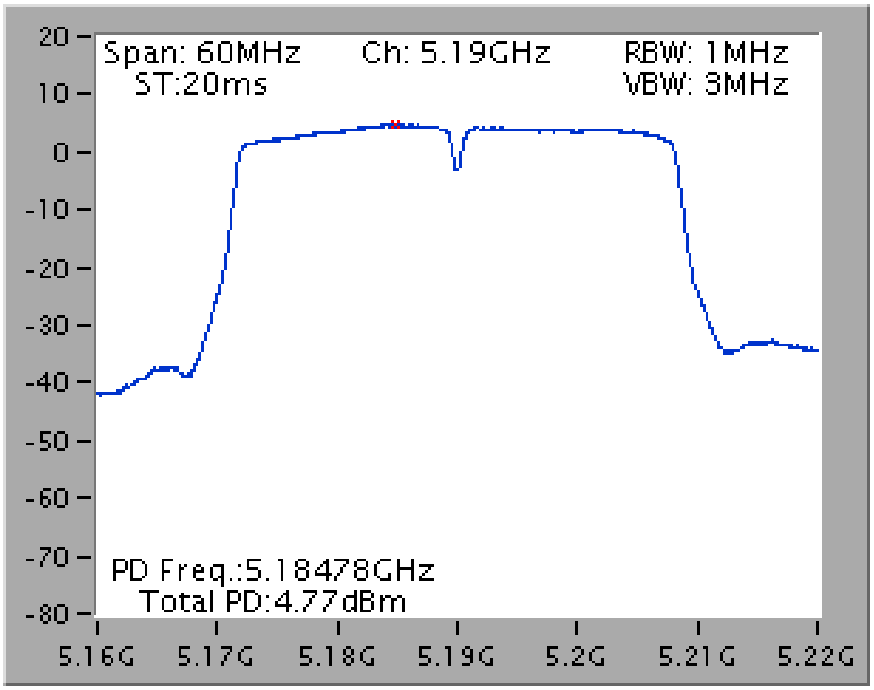
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



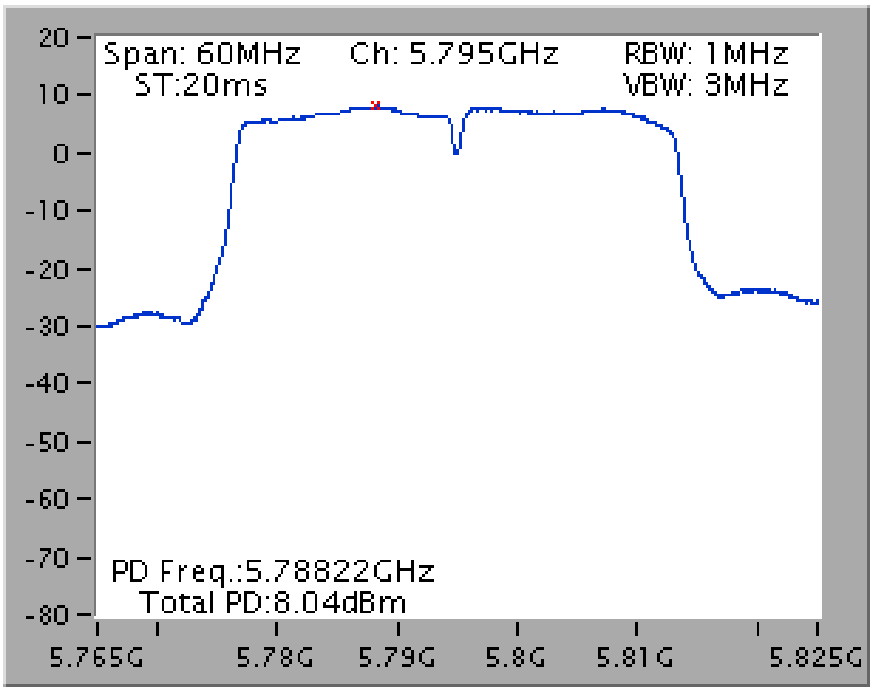
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



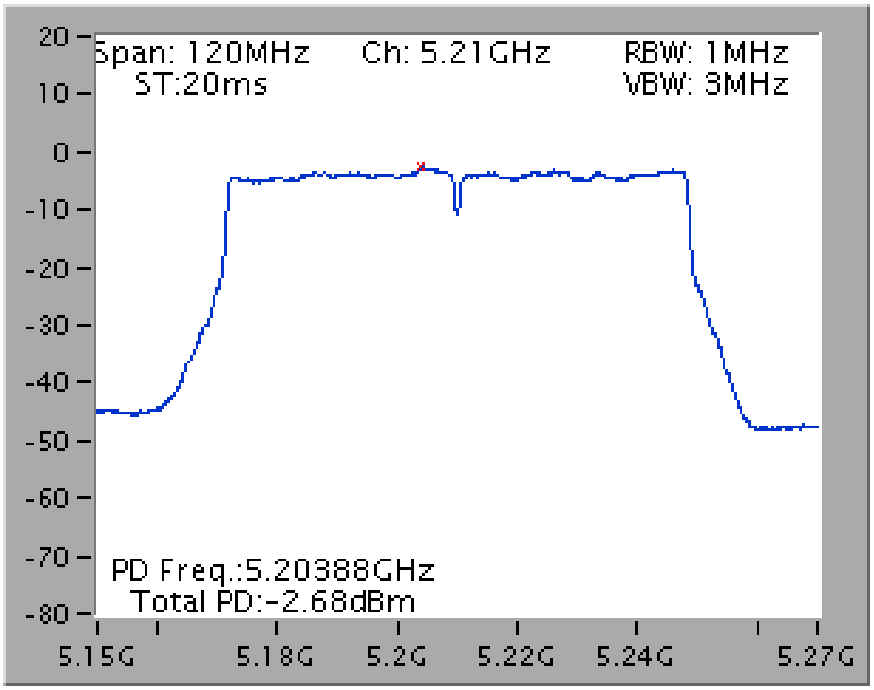
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz



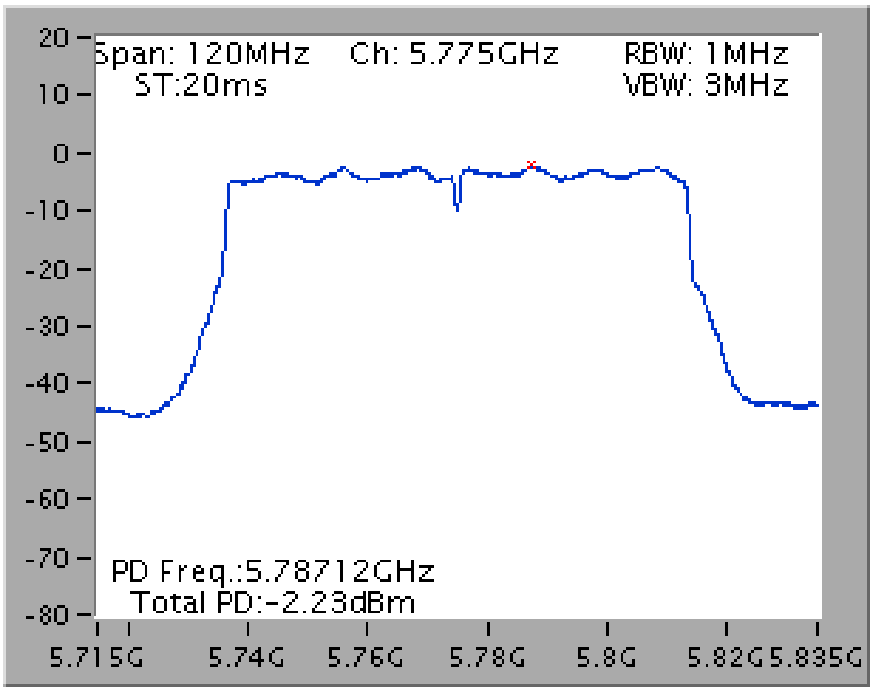
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

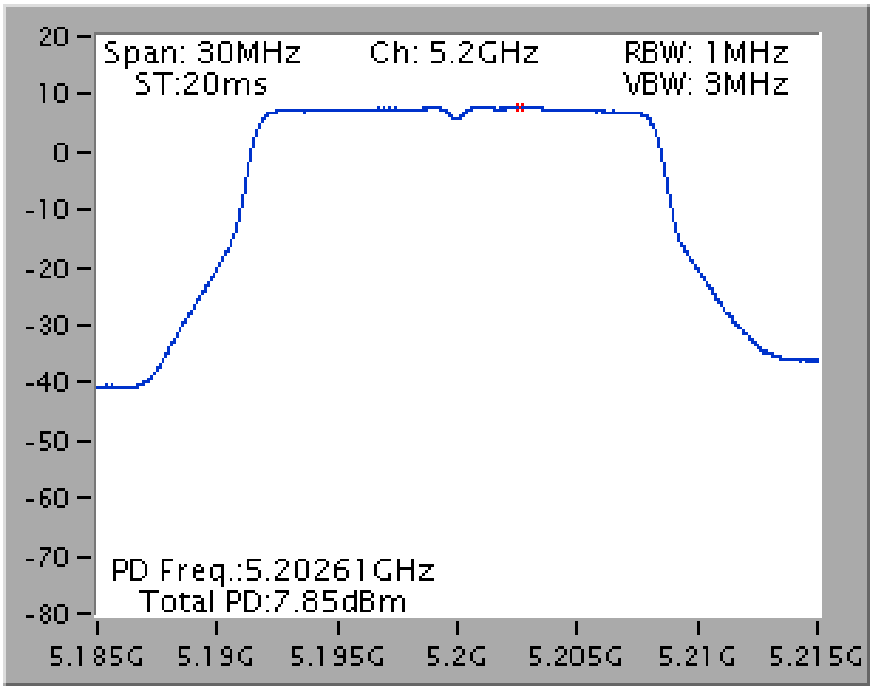


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

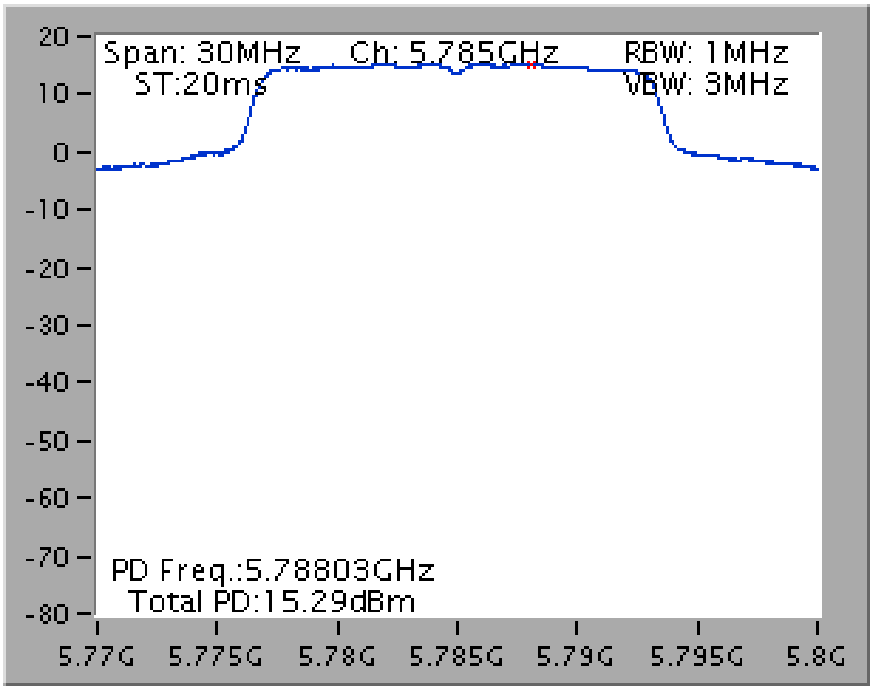


Mode 11: EUT 2 + Set 12 PIFA Antenna / Chain1:5.96 dBi, Chain2:5.97 dBi, Chain3:6.25 dBi, Chain4:6.08 dBi

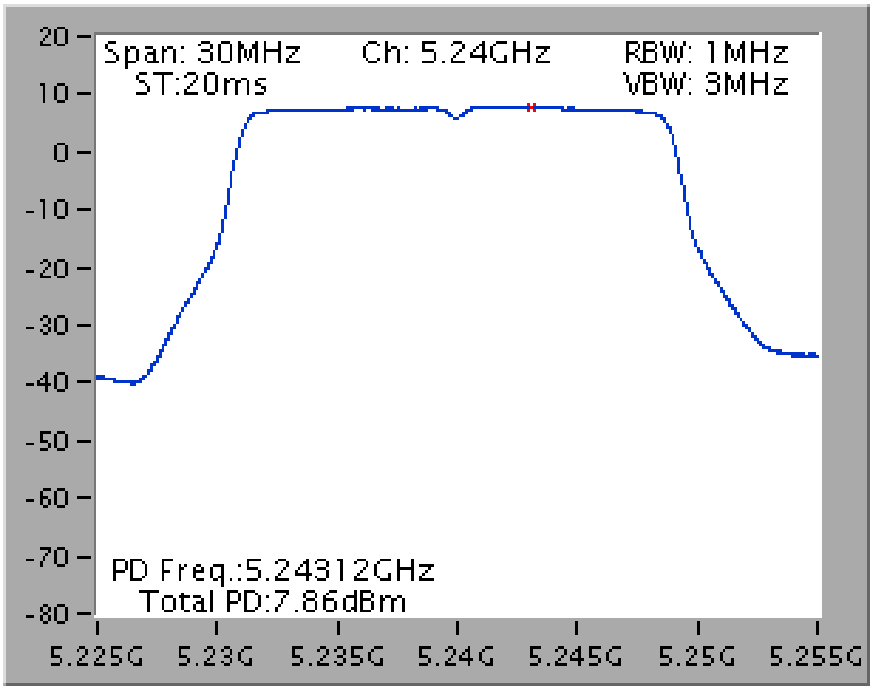
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



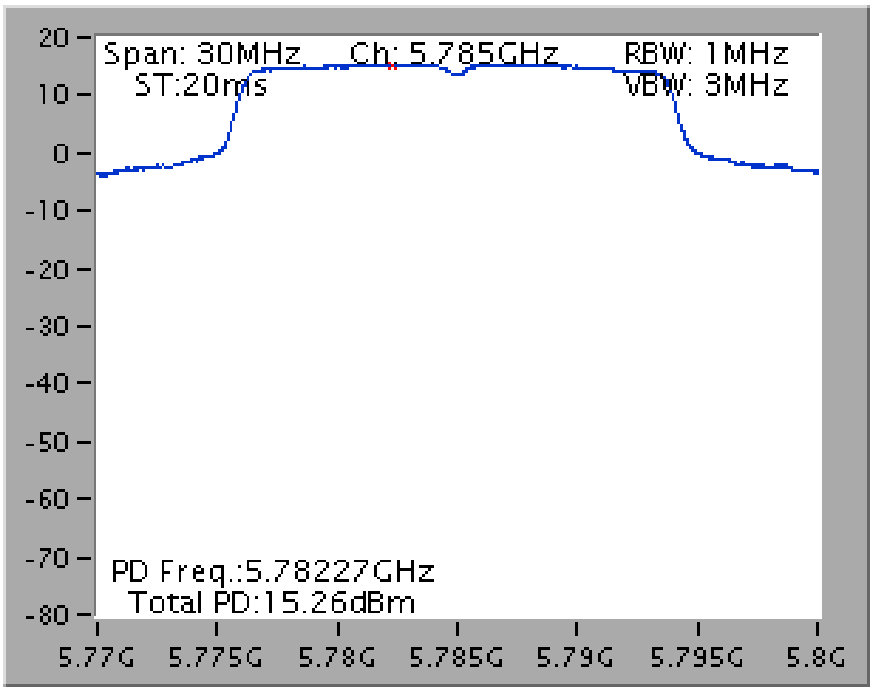
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



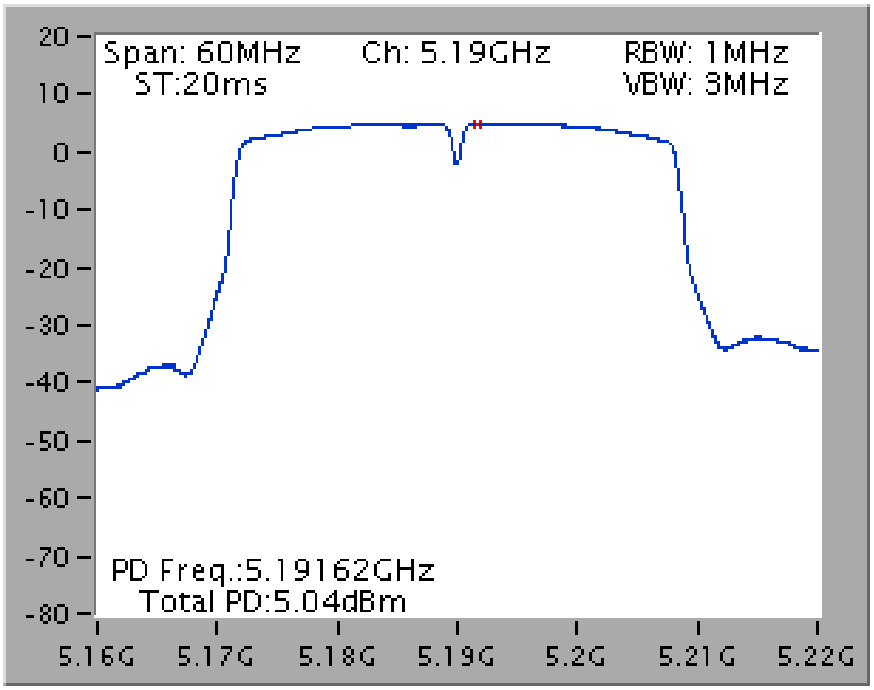
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



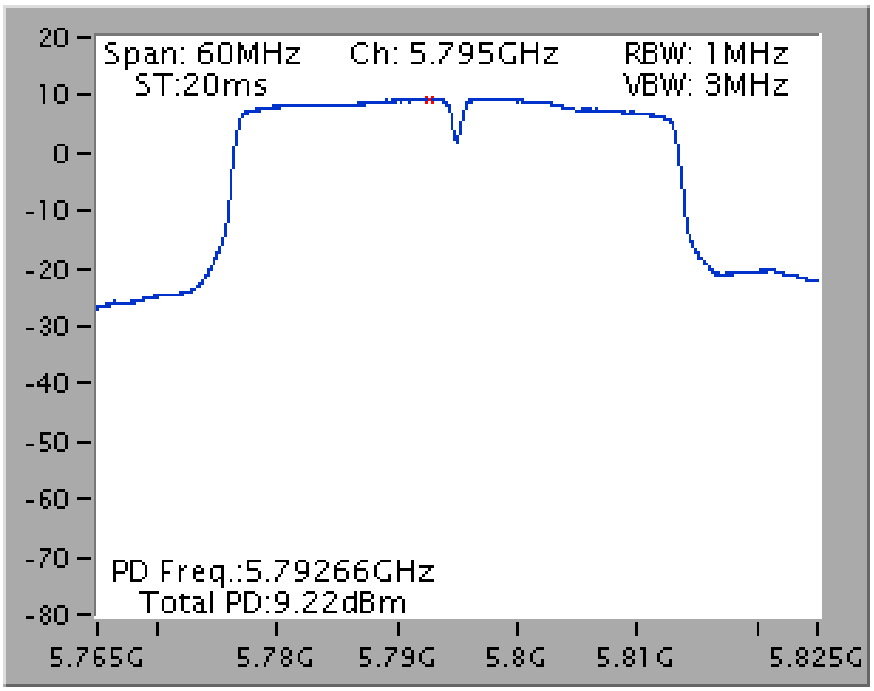
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



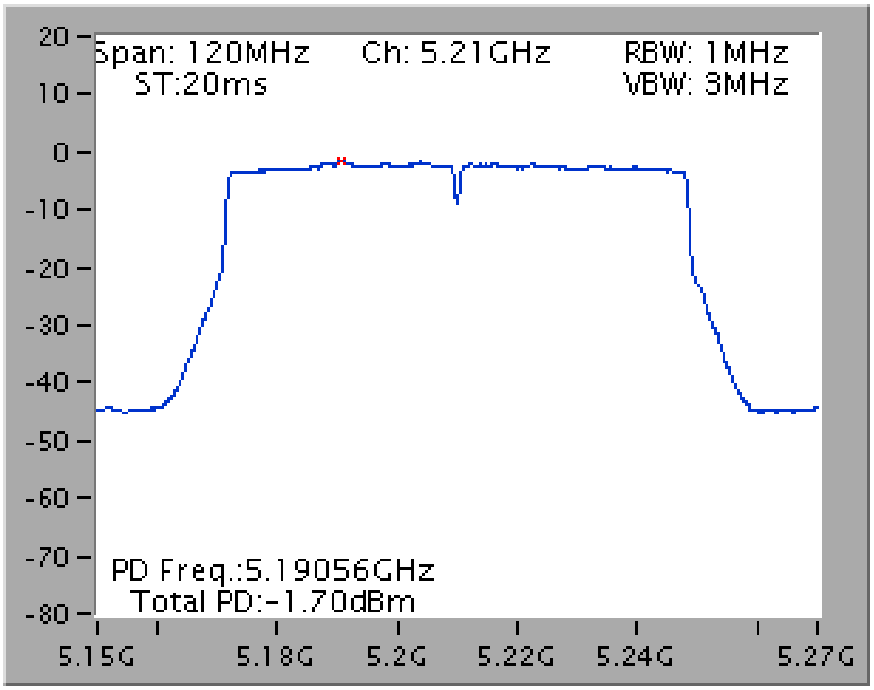
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz



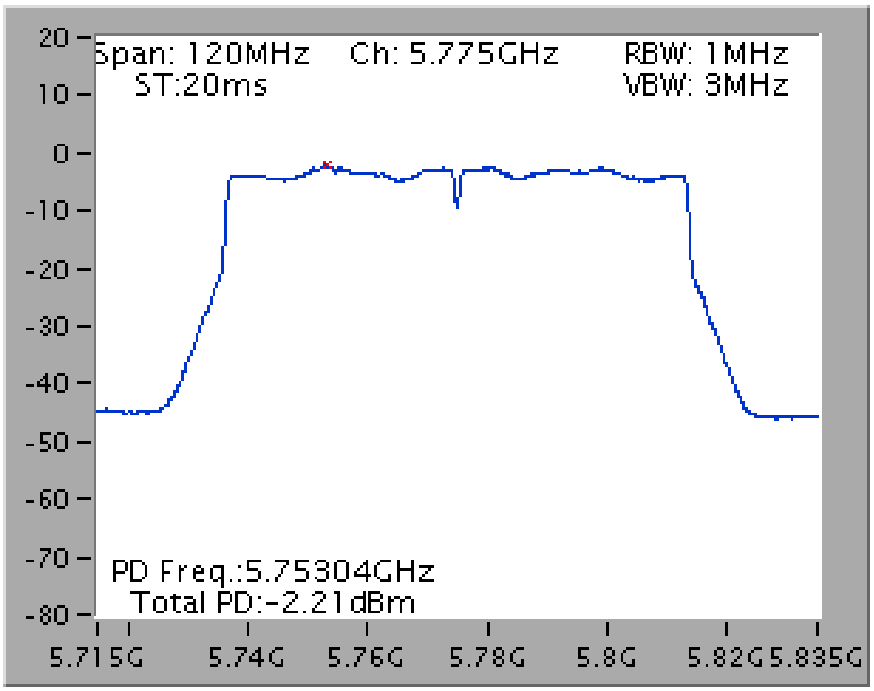
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz



4.6. Radiated Emissions Measurement

4.6.1. Limit

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

For transmitters operating in the 5.725-5.85 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of −17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of −27 dBm/MHz.

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

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

4.6.2. Measuring Instruments and Setting

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

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

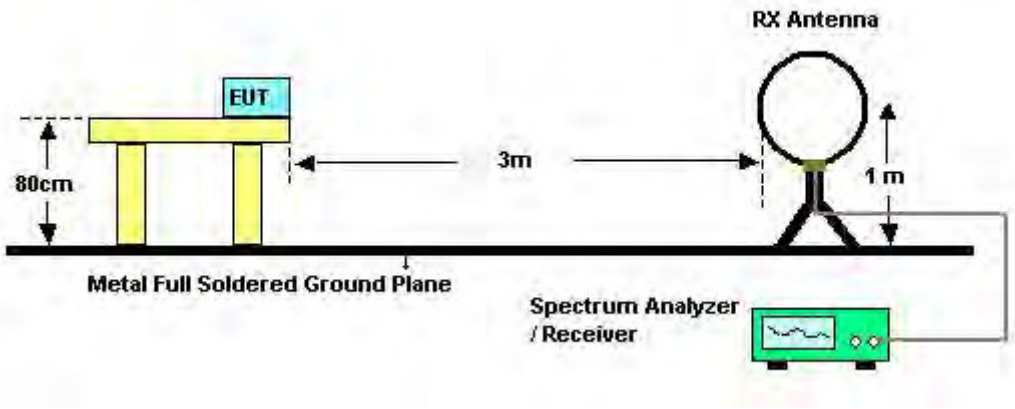
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

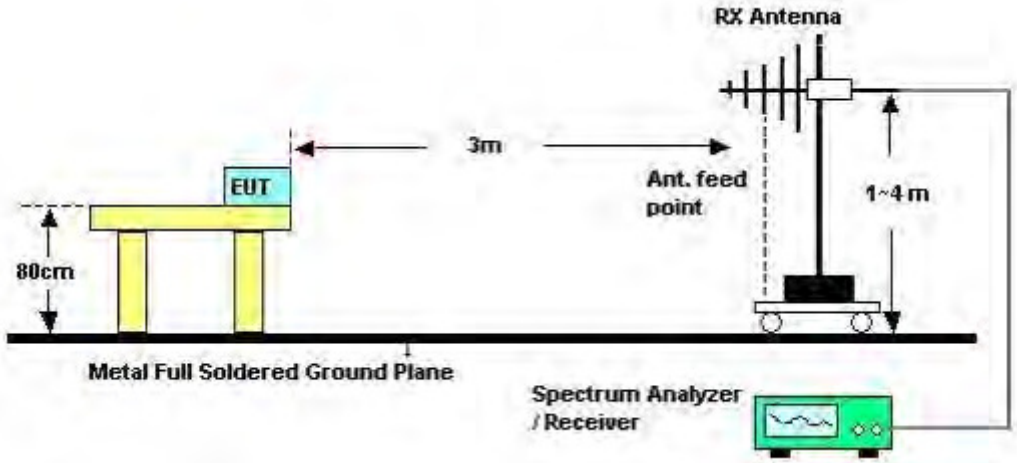
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
2. Power on the EUT and all the supporting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

4.6.4. Test Setup Layout

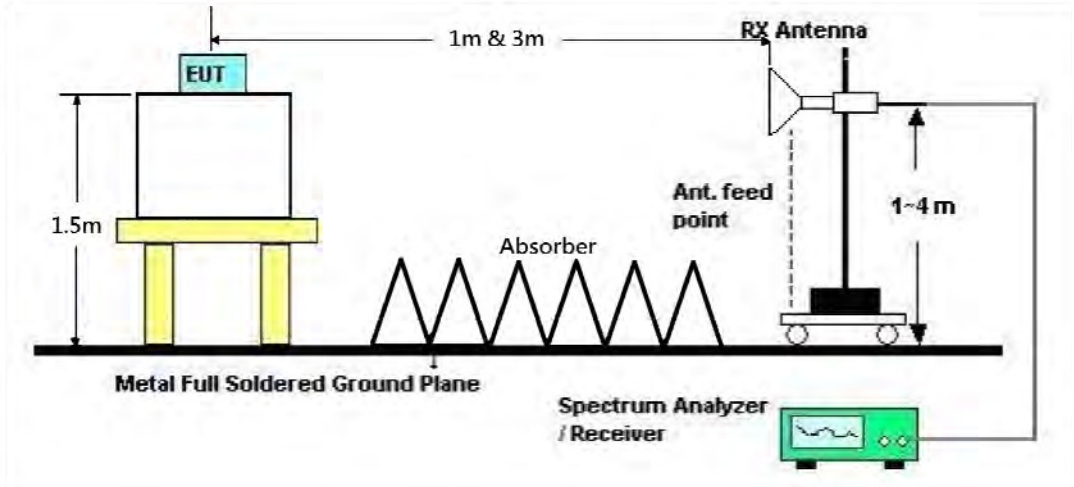
For Radiated Emissions: 9kHz ~30MHz



For Radiated Emissions: 30MHz~1GHz



For Radiated Emissions: Above 1GHz



4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	Normal Link
Test Date	Nov. 19, 2015	Test Mode	Mode 2

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

Note:

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

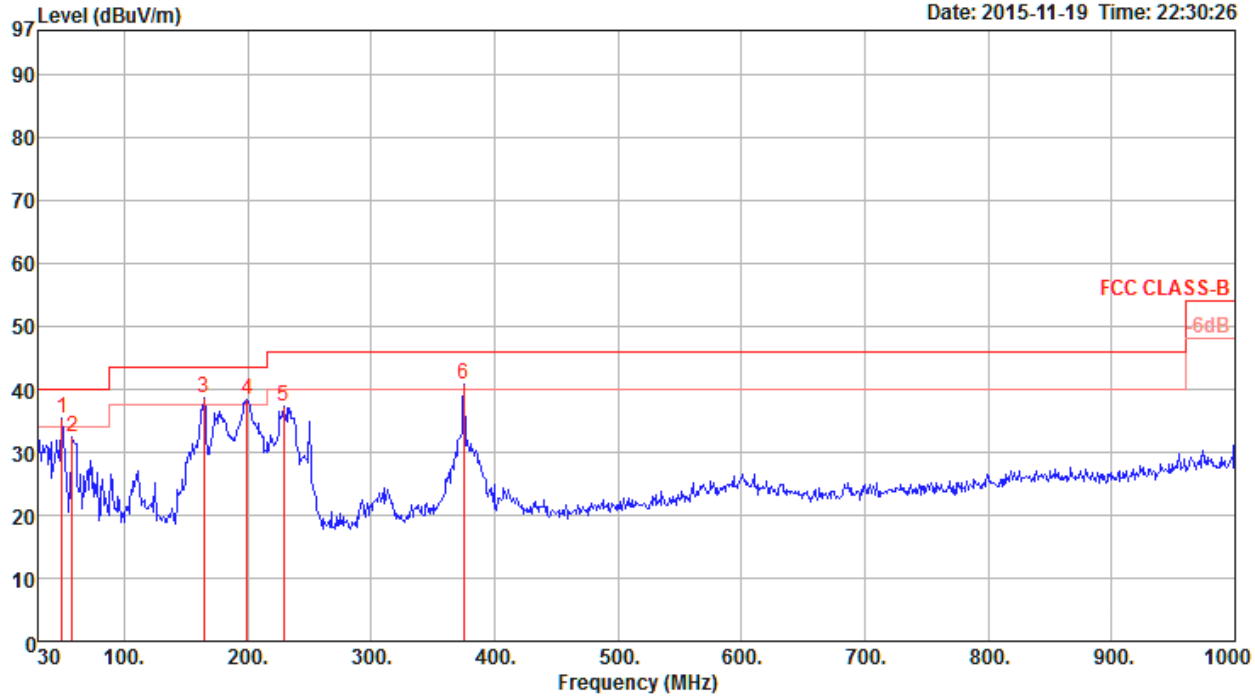
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

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

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

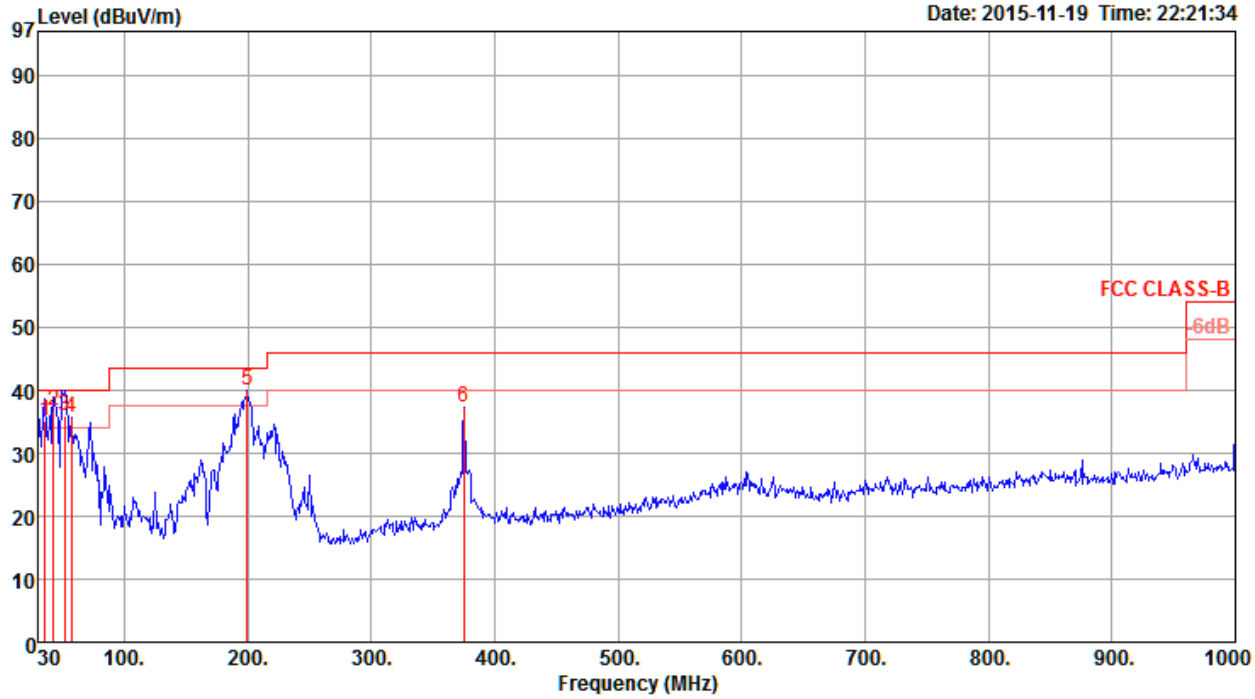
Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	Normal Link
Test Mode	Mode 2		

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	49.40	35.33	40.00	-4.67	55.34	0.37	9.08	29.46	360	100	Peak	HORIZONTAL
2	58.13	32.42	40.00	-7.58	54.09	0.44	7.31	29.42	256	125	Peak	HORIZONTAL
3	164.83	38.68	43.50	-4.82	56.14	0.99	10.50	28.95	360	100	Peak	HORIZONTAL
4	199.75	38.49	43.50	-5.01	55.69	1.13	10.50	28.83	152	150	Peak	HORIZONTAL
5	228.85	37.20	46.00	-8.80	53.41	1.24	11.21	28.66	351	125	Peak	HORIZONTAL
6	375.32	40.91	46.00	-5.09	52.09	1.73	15.98	28.89	259	150	Peak	HORIZONTAL

Vertical



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	35.82	35.08	40.00	-4.92	48.10	0.23	16.23	29.48	326	150	QP	VERTICAL
2	42.61	36.75	40.00	-3.25	53.69	0.31	12.22	29.47	257	125	QP	VERTICAL
3	51.34	35.99	40.00	-4.01	56.49	0.39	8.56	29.45	354	150	QP	VERTICAL
4	57.16	35.65	40.00	-4.35	57.16	0.43	7.48	29.42	351	150	Peak	VERTICAL
5	199.75	39.93	43.50	-3.57	57.13	1.13	10.50	28.83	354	100	Peak	VERTICAL
6	375.32	37.18	46.00	-8.82	48.36	1.73	15.98	28.89	316	158	Peak	VERTICAL

Note:

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

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

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

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

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	15537.90	48.69	54.00	-5.31	31.84	14.34	38.13	35.62	149	321	Average	HORIZONTAL
2	15539.68	61.75	74.00	-12.25	44.90	14.34	38.13	35.62	149	321	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	15536.26	48.36	54.00	-5.64	31.51	14.34	38.13	35.62	161	319	Average	VERTICAL
2	15539.20	61.30	74.00	-12.70	44.45	14.34	38.13	35.62	161	319	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	15595.12	48.02	54.00	-5.98	31.23	14.36	38.05	35.62	126	230	Average	HORIZONTAL
2	15602.76	60.64	74.00	-13.36	43.90	14.38	37.98	35.62	126	230	Peak	HORIZONTAL

Vertical

j

	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	15595.72	48.11	54.00	-5.89	31.32	14.36	38.05	35.62	175	302	Average	VERTICAL
2	15597.82	60.75	74.00	-13.25	43.96	14.36	38.05	35.62	175	302	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	15716.44	47.89	54.00	-6.11	31.29	14.41	37.84	35.65	140	250	Average	HORIZONTAL
2	15717.22	60.72	74.00	-13.28	44.12	14.41	37.84	35.65	140	250	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15718.14	61.14	74.00	-12.86	44.54	14.41	37.84	35.65	158	166	Peak	VERTICAL
2	15721.48	47.95	54.00	-6.05	31.35	14.41	37.84	35.65	158	166	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	11494.32	57.26	74.00	-16.74	40.51	12.90	39.20	35.35	157	281	Peak	HORIZONTAL
2	11494.92	44.63	54.00	-9.37	27.88	12.90	39.20	35.35	157	281	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	11489.78	44.68	54.00	-9.32	27.93	12.90	39.20	35.35	149	41	Average	VERTICAL
2	11490.16	58.23	74.00	-15.77	41.48	12.90	39.20	35.35	149	41	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	11565.56	44.93	54.00	-9.07	28.11	12.99	39.20	35.37	118	300	Average	HORIZONTAL
2	11567.32	57.86	74.00	-16.14	41.04	12.99	39.20	35.37	118	300	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	11566.66	57.76	74.00	-16.24	40.94	12.99	39.20	35.37	153	358	Peak	VERTICAL
2	11574.00	44.92	54.00	-9.08	28.10	12.99	39.20	35.37	153	358	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	11645.60	45.80	54.00	-8.20	28.91	13.08	39.20	35.39	138	2	Average	HORIZONTAL
2	11647.86	58.40	74.00	-15.60	41.51	13.08	39.20	35.39	138	2	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	11646.22	45.94	54.00	-8.06	29.05	13.08	39.20	35.39	148	137	Average	VERTICAL
2	11646.28	58.52	74.00	-15.48	41.63	13.08	39.20	35.39	148	137	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	15536.58	61.19	74.00	-12.81	44.34	14.34	38.13	35.62	153	94	Peak	HORIZONTAL
2	15542.32	48.65	54.00	-5.35	31.80	14.34	38.13	35.62	153	94	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	15537.14	48.50	54.00	-5.50	31.65	14.34	38.13	35.62	175	244	Average	VERTICAL
2	15538.40	61.57	74.00	-12.43	44.72	14.34	38.13	35.62	175	244	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	15603.42	47.86	54.00	-6.14	31.12	14.38	37.98	35.62	150	112	Average	HORIZONTAL
2	15604.54	61.24	74.00	-12.76	44.50	14.38	37.98	35.62	150	112	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	15597.38	47.87	54.00	-6.13	31.08	14.36	38.05	35.62	159	206	Average	VERTICAL
2	15601.72	60.43	74.00	-13.57	43.69	14.38	37.98	35.62	159	206	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	15722.14	61.07	74.00	-12.93	44.47	14.41	37.84	35.65	156	178	Peak	HORIZONTAL
2	15723.58	47.71	54.00	-6.29	31.11	14.41	37.84	35.65	156	178	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	15715.46	60.70	74.00	-13.30	44.10	14.41	37.84	35.65	150	311	Peak	VERTICAL
2	15723.42	47.64	54.00	-6.36	31.04	14.41	37.84	35.65	150	311	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	11485.98	57.51	74.00	-16.49	40.76	12.90	39.20	35.35	150	163	Peak	HORIZONTAL
2	11492.48	44.47	54.00	-9.53	27.72	12.90	39.20	35.35	150	163	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	11488.02	57.38	74.00	-16.62	40.63	12.90	39.20	35.35	160	284	Peak	VERTICAL
2	11489.12	44.44	54.00	-9.56	27.69	12.90	39.20	35.35	160	284	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	11568.16	44.75	54.00	-9.25	27.93	12.99	39.20	35.37	158	257	Average	HORIZONTAL
2	11571.22	57.90	74.00	-16.10	41.08	12.99	39.20	35.37	158	257	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	11568.40	57.89	74.00	-16.11	41.07	12.99	39.20	35.37	158	77	Peak	VERTICAL
2	11573.10	44.89	54.00	-9.11	28.07	12.99	39.20	35.37	158	77	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	11646.04	46.14	54.00	-7.86	29.25	13.08	39.20	35.39	144	87	Average	HORIZONTAL
2	11648.94	58.80	74.00	-15.20	41.91	13.08	39.20	35.39	144	87	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	11646.06	46.19	54.00	-7.81	29.30	13.08	39.20	35.39	164	170	Average	VERTICAL
2	11648.80	58.57	74.00	-15.43	41.68	13.08	39.20	35.39	164	170	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	15565.92	60.91	74.00	-13.09	44.12	14.36	38.05	35.62	147	78	Peak	HORIZONTAL
2	15566.70	48.27	54.00	-5.73	31.48	14.36	38.05	35.62	147	78	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	15567.84	48.15	54.00	-5.85	31.36	14.36	38.05	35.62	155	226	Average	VERTICAL
2	15571.78	60.65	74.00	-13.35	43.86	14.36	38.05	35.62	155	226	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	15685.08	61.03	74.00	-12.97	44.37	14.39	37.91	35.64	154	71	Peak	HORIZONTAL
2	15690.64	47.48	54.00	-6.52	30.82	14.39	37.91	35.64	154	71	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	15686.62	60.27	74.00	-13.73	43.61	14.39	37.91	35.64	142	211	Peak	VERTICAL
2	15691.90	47.40	54.00	-6.60	30.79	14.41	37.84	35.64	142	211	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	11506.12	44.68	54.00	-9.32	27.93	12.90	39.20	35.35	155	259	Average	HORIZONTAL
2	11514.54	57.01	74.00	-16.99	40.27	12.90	39.20	35.36	155	259	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	11509.46	57.23	74.00	-16.77	40.49	12.90	39.20	35.36	149	155	Peak	VERTICAL
2	11511.00	44.55	54.00	-9.45	27.81	12.90	39.20	35.36	149	155	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	11590.96	45.18	54.00	-8.82	28.32	13.04	39.20	35.38	165	228	Average	HORIZONTAL
2	11594.00	58.06	74.00	-15.94	41.20	13.04	39.20	35.38	165	228	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	11590.96	58.11	74.00	-15.89	41.25	13.04	39.20	35.38	193	114	Peak	VERTICAL
2	11593.62	45.23	54.00	-8.77	28.37	13.04	39.20	35.38	193	114	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	15625.12	47.69	54.00	-6.31	30.96	14.38	37.98	35.63	129	271	Average	HORIZONTAL
2	15626.92	61.41	74.00	-12.59	44.68	14.38	37.98	35.63	129	271	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	15625.86	47.68	54.00	-6.32	30.95	14.38	37.98	35.63	150	212	Average	VERTICAL
2	15627.96	61.17	74.00	-12.83	44.44	14.38	37.98	35.63	150	212	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 06, 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	11545.68	44.53	54.00	-9.47	27.74	12.95	39.20	35.36	149	146	Average	HORIZONTAL
2	11548.66	57.29	74.00	-16.71	40.51	12.95	39.20	35.37	149	146	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	11545.60	44.47	54.00	-9.53	27.68	12.95	39.20	35.36	180	245	Average	VERTICAL
2	11552.68	57.89	74.00	-16.11	41.07	12.99	39.20	35.37	180	245	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 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 07, 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	15539.75	62.62	74.00	-11.38	43.74	16.37	38.13	35.62	147	214	Peak	HORIZONTAL
2	15540.58	49.39	54.00	-4.61	30.51	16.37	38.13	35.62	147	214	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	15539.93	62.91	74.00	-11.09	44.03	16.37	38.13	35.62	149	272	Peak	VERTICAL
2	15540.58	49.58	54.00	-4.42	30.70	16.37	38.13	35.62	149	272	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 07, 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	15599.17	62.41	74.00	-11.59	43.58	16.40	38.05	35.62	150	359	Peak	HORIZONTAL
2	15599.85	49.79	54.00	-4.21	30.96	16.40	38.05	35.62	150	359	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	15599.10	62.70	74.00	-11.30	43.87	16.40	38.05	35.62	152	165	Peak	VERTICAL
2	15599.92	49.34	54.00	-4.66	30.51	16.40	38.05	35.62	152	165	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 07, 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	15719.04	49.32	54.00	-4.68	30.65	16.48	37.84	35.65	146	332	Average	HORIZONTAL
2	15720.18	62.28	74.00	-11.72	43.61	16.48	37.84	35.65	146	332	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	15719.46	62.07	74.00	-11.93	43.40	16.48	37.84	35.65	130	182	Peak	VERTICAL
2	15720.01	49.36	54.00	-4.64	30.69	16.48	37.84	35.65	130	182	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	11490.33	60.00	74.00	-14.00	41.91	14.24	39.20	35.35	141	332	Peak	HORIZONTAL
2	11490.67	47.60	54.00	-6.40	29.51	14.24	39.20	35.35	141	332	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	11490.32	47.70	54.00	-6.30	29.61	14.24	39.20	35.35	143	236	Average	VERTICAL
2	11490.83	61.01	74.00	-12.99	42.92	14.24	39.20	35.35	143	236	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	11569.20	47.28	54.00	-6.72	29.10	14.35	39.20	35.37	137	287	Average	HORIZONTAL
2	11569.64	60.03	74.00	-13.97	41.85	14.35	39.20	35.37	137	287	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	11569.34	47.34	54.00	-6.66	29.16	14.35	39.20	35.37	146	216	Average	VERTICAL
2	11569.90	60.45	74.00	-13.55	42.27	14.35	39.20	35.37	146	216	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	11649.49	61.02	74.00	-12.98	42.76	14.45	39.20	35.39	138	307	Peak	HORIZONTAL
2	11649.78	47.63	54.00	-6.37	29.37	14.45	39.20	35.39	138	307	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.20	60.78	74.00	-13.22	42.52	14.45	39.20	35.39	141	358	Peak	VERTICAL
2	11649.68	47.71	54.00	-6.29	29.45	14.45	39.20	35.39	141	358	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	15540.65	62.44	74.00	-11.56	43.56	16.37	38.13	35.62	133	4	Peak	HORIZONTAL
2	15540.88	49.67	54.00	-4.33	30.79	16.37	38.13	35.62	133	4	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	15539.28	63.16	74.00	-10.84	44.28	16.37	38.13	35.62	181	126	Peak	VERTICAL
2	15539.51	49.68	54.00	-4.32	30.80	16.37	38.13	35.62	181	126	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	15599.03	62.76	74.00	-11.24	43.93	16.40	38.05	35.62	173	246	Peak	HORIZONTAL
2	15600.96	49.39	54.00	-4.61	30.60	16.43	37.98	35.62	173	246	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	15599.33	62.25	74.00	-11.75	43.42	16.40	38.05	35.62	174	225	Peak	VERTICAL
2	15600.16	49.40	54.00	-4.60	30.57	16.40	38.05	35.62	174	225	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	15720.03	62.65	74.00	-11.35	43.98	16.48	37.84	35.65	171	4	Peak	HORIZONTAL
2	15720.20	49.61	54.00	-4.39	30.94	16.48	37.84	35.65	171	4	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	15719.10	49.43	54.00	-4.57	30.76	16.48	37.84	35.65	130	92	Average	VERTICAL
2	15720.59	62.25	74.00	-11.75	43.58	16.48	37.84	35.65	130	92	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	11489.89	47.30	54.00	-6.70	29.21	14.24	39.20	35.35	151	360	Average	HORIZONTAL
2	11490.16	60.05	74.00	-13.95	41.96	14.24	39.20	35.35	151	360	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	11489.00	47.47	54.00	-6.53	29.38	14.24	39.20	35.35	153	318	Average	VERTICAL
2	11489.87	60.55	74.00	-13.45	42.46	14.24	39.20	35.35	153	318	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	11569.07	47.05	54.00	-6.95	28.87	14.35	39.20	35.37	156	308	Average	HORIZONTAL
2	11569.93	60.12	74.00	-13.88	41.94	14.35	39.20	35.37	156	308	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	11570.67	46.95	54.00	-7.05	28.77	14.35	39.20	35.37	150	256	Average	VERTICAL
2	11570.68	60.19	74.00	-13.81	42.01	14.35	39.20	35.37	150	256	Peak	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	11649.06	47.52	54.00	-6.48	29.26	14.45	39.20	35.39	152	333	Average	HORIZONTAL
2	11650.60	60.51	74.00	-13.49	42.25	14.45	39.20	35.39	152	333	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	11649.66	47.32	54.00	-6.68	29.06	14.45	39.20	35.39	134	258	Average	VERTICAL
2	11650.61	60.51	74.00	-13.49	42.25	14.45	39.20	35.39	134	258	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	15569.11	49.39	54.00	-4.61	30.56	16.40	38.05	35.62	121	299	Average	HORIZONTAL
2	15570.49	62.18	74.00	-11.82	43.35	16.40	38.05	35.62	121	299	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	15569.07	49.41	54.00	-4.59	30.58	16.40	38.05	35.62	148	195	Average	VERTICAL
2	15569.58	62.41	74.00	-11.59	43.58	16.40	38.05	35.62	148	195	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	15690.43	49.26	54.00	-4.74	30.54	16.45	37.91	35.64	128	203	Average	HORIZONTAL
2	15690.73	62.20	74.00	-11.80	43.48	16.45	37.91	35.64	128	203	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	15689.28	61.83	74.00	-12.17	43.11	16.45	37.91	35.64	125	82	Peak	VERTICAL
2	15690.20	49.14	54.00	-4.86	30.42	16.45	37.91	35.64	125	82	Average	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	11510.46	60.09	74.00	-13.91	42.01	14.24	39.20	35.36	139	286	Peak	HORIZONTAL
2	11510.75	47.12	54.00	-6.88	29.04	14.24	39.20	35.36	139	286	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	11510.51	47.21	54.00	-6.79	29.13	14.24	39.20	35.36	110	130	Average	VERTICAL
2	11510.97	60.62	74.00	-13.38	42.54	14.24	39.20	35.36	110	130	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	11590.50	60.19	74.00	-13.81	41.97	14.40	39.20	35.38	136	327	Peak	HORIZONTAL
2	11590.60	47.02	54.00	-6.98	28.80	14.40	39.20	35.38	136	327	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	11589.23	47.04	54.00	-6.96	28.82	14.40	39.20	35.38	139	181	Average	VERTICAL
2	11590.85	60.34	74.00	-13.66	42.12	14.40	39.20	35.38	139	181	Peak	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	15629.72	61.54	74.00	-12.46	42.76	16.43	37.98	35.63	151	50	Peak	HORIZONTAL
2	15630.81	49.05	54.00	-4.95	30.27	16.43	37.98	35.63	151	50	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	15629.03	61.83	74.00	-12.17	43.05	16.43	37.98	35.63	147	141	Peak	VERTICAL
2	15630.97	49.17	54.00	-4.83	30.39	16.43	37.98	35.63	147	141	Average	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Dec. 08, 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	11549.28	59.75	74.00	-14.25	41.63	14.29	39.20	35.37	138	284	Peak	HORIZONTAL
2	11550.49	46.98	54.00	-7.02	28.80	14.35	39.20	35.37	138	284	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	11549.08	59.59	74.00	-14.41	41.47	14.29	39.20	35.37	144	203	Peak	VERTICAL
2	11550.97	47.06	54.00	-6.94	28.88	14.35	39.20	35.37	144	203	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 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.16	60.33	74.00	-13.67	43.46	13.84	38.24	35.21	Peak	150	167	HORIZONTAL
2	15539.92	47.74	54.00	-6.26	30.87	13.84	38.24	35.21	Average	150	167	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.46	47.34	54.00	-6.66	30.47	13.84	38.24	35.21	Average	145	161	VERTICAL
2	15540.46	59.83	74.00	-14.17	42.96	13.84	38.24	35.21	Peak	145	161	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.99	59.91	74.00	-14.09	43.14	13.83	38.17	35.23	Peak	155	222	HORIZONTAL
2	15600.00	47.10	54.00	-6.90	30.33	13.83	38.17	35.23	Average	155	222	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.99	49.17	54.00	-4.83	32.40	13.83	38.17	35.23	Average	111	187	VERTICAL
2	15600.00	60.02	74.00	-13.98	43.25	13.83	38.17	35.23	Peak	111	187	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.00	47.03	54.00	-6.97	30.53	13.82	37.98	35.30	Average	160	220	HORIZONTAL
2	15720.01	60.06	74.00	-13.94	43.56	13.82	37.98	35.30	Peak	160	220	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.99	59.92	74.00	-14.08	43.42	13.82	37.98	35.30	Peak	124	226	VERTICAL
2	15720.00	47.90	54.00	-6.10	31.40	13.82	37.98	35.30	Average	124	226	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.00	56.60	74.00	-17.40	42.05	10.25	39.10	34.80	Peak	165	141	HORIZONTAL
2	11490.01	44.06	54.00	-9.94	29.51	10.25	39.10	34.80	Average	165	141	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.00	56.60	74.00	-17.40	42.05	10.25	39.10	34.80	Peak	163	149	VERTICAL
2	11490.01	43.94	54.00	-10.06	29.39	10.25	39.10	34.80	Average	163	149	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.00	56.62	74.00	-17.38	42.01	10.29	39.14	34.82	Peak	158	170	HORIZONTAL
2	11570.01	43.66	54.00	-10.34	29.05	10.29	39.14	34.82	Average	158	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.00	56.44	74.00	-17.56	41.83	10.29	39.14	34.82	Peak	164	177	VERTICAL
2	11570.00	45.58	54.00	-8.42	30.97	10.29	39.14	34.82	Average	164	177	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.99	43.91	54.00	-10.09	29.25	10.32	39.18	34.84	Average	156	159	HORIZONTAL
2	11649.99	56.99	74.00	-17.01	42.33	10.32	39.18	34.84	Peak	156	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.01	56.78	74.00	-17.22	42.12	10.32	39.18	34.84	Peak	159	146	VERTICAL
2	11650.01	43.83	54.00	-10.17	29.17	10.32	39.18	34.84	Average	159	146	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.00	59.84	74.00	-14.16	42.97	13.84	38.24	35.21	Peak	160	216	HORIZONTAL
2	15540.01	47.16	54.00	-6.84	30.29	13.84	38.24	35.21	Average	160	216	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.00	60.15	74.00	-13.85	43.28	13.84	38.24	35.21	Peak	162	203	VERTICAL
2	15540.01	47.33	54.00	-6.67	30.46	13.84	38.24	35.21	Average	162	203	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.99	47.03	54.00	-6.97	30.26	13.83	38.17	35.23	Average	157	189	HORIZONTAL
2	15600.00	60.01	74.00	-13.99	43.24	13.83	38.17	35.23	Peak	157	189	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.00	46.97	54.00	-7.03	30.20	13.83	38.17	35.23	Average	149	163	VERTICAL
2	15600.00	60.16	74.00	-13.84	43.39	13.83	38.17	35.23	Peak	149	163	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.99	46.64	54.00	-7.36	30.14	13.82	37.98	35.30	Average	153	186	HORIZONTAL
2	15719.99	59.72	74.00	-14.28	43.22	13.82	37.98	35.30	Peak	153	186	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.99	46.76	54.00	-7.24	30.26	13.82	37.98	35.30	Average	143	210	VERTICAL
2	15720.01	59.39	74.00	-14.61	42.89	13.82	37.98	35.30	Peak	143	210	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.01	43.92	54.00	-10.08	29.37	10.25	39.10	34.80	Average	152	126	HORIZONTAL
2	11490.01	57.46	74.00	-16.54	42.91	10.25	39.10	34.80	Peak	152	126	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.00	43.84	54.00	-10.16	29.29	10.25	39.10	34.80	Average	149	138	VERTICAL
2	11490.00	57.07	74.00	-16.93	42.52	10.25	39.10	34.80	Peak	149	138	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.00	43.60	54.00	-10.40	28.99	10.29	39.14	34.82	Average	128	77	HORIZONTAL
2	11570.01	56.02	74.00	-17.98	41.41	10.29	39.14	34.82	Peak	128	77	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.99	56.70	74.00	-17.30	42.09	10.29	39.14	34.82	Peak	150	86	VERTICAL
2	11570.00	45.57	54.00	-8.43	30.96	10.29	39.14	34.82	Average	150	86	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.00	56.34	74.00	-17.66	41.68	10.32	39.18	34.84	Peak	125	74	HORIZONTAL
2	11650.00	43.81	54.00	-10.19	29.15	10.32	39.18	34.84	Average	125	74	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.99	56.66	74.00	-17.34	42.00	10.32	39.18	34.84	Peak	126	33	VERTICAL
2	11650.00	44.80	54.00	-9.20	30.14	10.32	39.18	34.84	Average	126	33	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.01	60.21	74.00	-13.79	43.44	13.83	38.17	35.23	Peak	149	123	HORIZONTAL
2	15570.01	47.02	54.00	-6.98	30.25	13.83	38.17	35.23	Average	149	123	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.00	60.01	74.00	-13.99	43.24	13.83	38.17	35.23	Peak	137	88	VERTICAL
2	15570.01	47.20	54.00	-6.80	30.43	13.83	38.17	35.23	Average	137	88	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.99	47.06	54.00	-6.94	30.46	13.83	38.05	35.28	Average	154	176	HORIZONTAL
2	15690.00	59.23	74.00	-14.77	42.63	13.83	38.05	35.28	Peak	154	176	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.99	60.49	74.00	-13.51	43.89	13.83	38.05	35.28	Peak	152	152	VERTICAL
2	15690.00	46.96	54.00	-7.04	30.36	13.83	38.05	35.28	Average	152	152	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.00	43.76	54.00	-10.24	29.22	10.25	39.10	34.81	Average	161	39	HORIZONTAL
2	11510.00	56.96	74.00	-17.04	42.42	10.25	39.10	34.81	Peak	161	39	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.00	56.60	74.00	-17.40	42.06	10.25	39.10	34.81	Peak	167	51	VERTICAL
2	11510.00	43.81	54.00	-10.19	29.27	10.25	39.10	34.81	Average	167	51	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.99	56.67	74.00	-17.33	42.04	10.30	39.16	34.83	Peak	157	54	HORIZONTAL
2	11590.01	44.17	54.00	-9.83	29.54	10.30	39.16	34.83	Average	157	54	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11590.00	56.93	74.00	-17.07	42.30	10.30	39.16	34.83	Peak	157	72	VERTICAL
2	11590.01	45.55	54.00	-8.45	30.92	10.30	39.16	34.83	Average	157	72	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15630.00	46.80	54.00	-7.20	30.12	13.83	38.11	35.26	Average	156	48	HORIZONTAL
2	15630.00	59.91	74.00	-14.09	43.23	13.83	38.11	35.26	Peak	156	48	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.99	59.85	74.00	-14.15	43.17	13.83	38.11	35.26	Peak	156	56	VERTICAL
2	15630.01	46.90	54.00	-7.10	30.22	13.83	38.11	35.26	Average	156	56	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 23, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11550.01	56.62	74.00	-17.38	42.05	10.27	39.12	34.82	Peak	150	112	HORIZONTAL
2	11550.01	43.77	54.00	-10.23	29.20	10.27	39.12	34.82	Average	150	112	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11550.00	56.61	74.00	-17.39	42.04	10.27	39.12	34.82	Peak	155	148	VERTICAL
2	11550.00	43.66	54.00	-10.34	29.09	10.27	39.12	34.82	Average	155	148	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℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.42	62.45	74.00	-11.55	45.58	13.84	38.24	35.21	Peak	150	293	HORIZONTAL
2	15539.69	48.66	54.00	-5.34	31.79	13.84	38.24	35.21	Average	150	293	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.02	48.71	54.00	-5.29	31.84	13.84	38.24	35.21	Average	145	148	VERTICAL
2	15539.43	62.22	74.00	-11.78	45.35	13.84	38.24	35.21	Peak	145	148	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.71	48.15	54.00	-5.85	31.44	13.83	38.11	35.23	Average	148	278	HORIZONTAL
2	15600.91	61.17	74.00	-12.83	44.46	13.83	38.11	35.23	Peak	148	278	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.69	61.79	74.00	-12.21	45.02	13.83	38.17	35.23	Peak	141	212	VERTICAL
2	15600.85	48.16	54.00	-5.84	31.45	13.83	38.11	35.23	Average	141	212	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.39	47.34	54.00	-6.66	30.84	13.82	37.98	35.30	Average	156	164	HORIZONTAL
2	15720.37	59.87	74.00	-14.13	43.37	13.82	37.98	35.30	Peak	156	164	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.82	47.29	54.00	-6.71	30.79	13.82	37.98	35.30	Average	114	294	VERTICAL
2	15720.24	60.84	74.00	-13.16	44.34	13.82	37.98	35.30	Peak	114	294	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.10	41.98	54.00	-12.02	27.43	10.25	39.10	34.80	Average	129	333	HORIZONTAL
2	11489.32	54.75	74.00	-19.25	40.20	10.25	39.10	34.80	Peak	129	333	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.30	43.05	54.00	-10.95	28.50	10.25	39.10	34.80	Average	154	264	VERTICAL
2	11489.71	55.00	74.00	-19.00	40.45	10.25	39.10	34.80	Peak	154	264	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.62	56.75	74.00	-17.25	42.14	10.29	39.14	34.82	Peak	228	170	HORIZONTAL
2	11571.00	44.19	54.00	-9.81	29.58	10.29	39.14	34.82	Average	228	170	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.88	56.11	74.00	-17.89	41.50	10.29	39.14	34.82	Peak	147	52	VERTICAL
2	11570.18	44.28	54.00	-9.72	29.67	10.29	39.14	34.82	Average	147	52	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.06	57.02	74.00	-16.98	42.36	10.32	39.18	34.84	Peak	222	54	HORIZONTAL
2	11650.13	44.10	54.00	-9.90	29.44	10.32	39.18	34.84	Average	222	54	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.89	44.22	54.00	-9.78	29.53	10.33	39.20	34.84	Average	103	172	VERTICAL
2	11650.90	57.22	74.00	-16.78	42.53	10.33	39.20	34.84	Peak	103	172	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.74	61.86	74.00	-12.14	44.99	13.84	38.24	35.21	Peak	150	165	HORIZONTAL
2	15540.83	48.50	54.00	-5.50	31.63	13.84	38.24	35.21	Average	150	165	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.67	48.77	54.00	-5.23	31.90	13.84	38.24	35.21	Average	143	36	VERTICAL
2	15539.97	61.42	74.00	-12.58	44.55	13.84	38.24	35.21	Peak	143	36	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.69	61.43	74.00	-12.57	44.66	13.83	38.17	35.23	Peak	150	327	HORIZONTAL
2	15599.85	48.32	54.00	-5.68	31.55	13.83	38.17	35.23	Average	150	327	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.20	48.23	54.00	-5.77	31.46	13.83	38.17	35.23	Average	155	172	VERTICAL
2	15599.88	61.01	74.00	-12.99	44.24	13.83	38.17	35.23	Peak	155	172	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.12	47.31	54.00	-6.69	30.81	13.82	37.98	35.30	Average	142	37	HORIZONTAL
2	15720.81	61.03	74.00	-12.97	44.53	13.82	37.98	35.30	Peak	142	37	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.35	47.47	54.00	-6.53	30.97	13.82	37.98	35.30	Average	133	187	VERTICAL
2	15719.55	60.28	74.00	-13.72	43.78	13.82	37.98	35.30	Peak	133	187	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.22	42.17	54.00	-11.83	27.62	10.25	39.10	34.80	Average	148	210	HORIZONTAL
2	11489.40	54.67	74.00	-19.33	40.12	10.25	39.10	34.80	Peak	148	210	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.71	42.15	54.00	-11.85	27.60	10.25	39.10	34.80	Average	150	89	VERTICAL
2	11490.57	56.72	74.00	-17.28	42.17	10.25	39.10	34.80	Peak	150	89	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.40	56.85	74.00	-17.15	42.24	10.29	39.14	34.82	Peak	148	343	HORIZONTAL
2	11570.81	43.40	54.00	-10.60	28.79	10.29	39.14	34.82	Average	148	343	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.49	55.72	74.00	-18.28	41.11	10.29	39.14	34.82	Peak	151	284	VERTICAL
2	11570.74	43.32	54.00	-10.68	28.71	10.29	39.14	34.82	Average	151	284	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 21, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.59	57.09	74.00	-16.91	42.43	10.32	39.18	34.84	Peak	144	173	HORIZONTAL
2	11650.76	44.19	54.00	-9.81	29.50	10.33	39.20	34.84	Average	144	173	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.56	58.19	74.00	-15.81	43.53	10.32	39.18	34.84	Peak	140	118	VERTICAL
2	11650.96	44.24	54.00	-9.76	29.55	10.33	39.20	34.84	Average	140	118	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.75	48.55	54.00	-5.45	31.78	13.83	38.17	35.23	Average	191	208	HORIZONTAL
2	15570.66	61.38	74.00	-12.62	44.61	13.83	38.17	35.23	Peak	191	208	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.58	61.28	74.00	-12.72	44.51	13.83	38.17	35.23	Peak	138	357	VERTICAL
2	15570.11	48.57	54.00	-5.43	31.80	13.83	38.17	35.23	Average	138	357	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.34	47.59	54.00	-6.41	30.99	13.83	38.05	35.28	Average	164	154	HORIZONTAL
2	15690.68	59.78	74.00	-14.22	43.18	13.83	38.05	35.28	Peak	164	154	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.76	60.73	74.00	-13.27	44.13	13.83	38.05	35.28	Peak	146	40	VERTICAL
2	15690.63	47.48	54.00	-6.52	30.88	13.83	38.05	35.28	Average	146	40	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.13	42.30	54.00	-11.70	27.76	10.25	39.10	34.81	Average	145	159	HORIZONTAL
2	11510.36	55.51	74.00	-18.49	40.97	10.25	39.10	34.81	Peak	145	159	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.22	42.33	54.00	-11.67	27.79	10.25	39.10	34.81	Average	141	264	VERTICAL
2	11509.88	54.80	74.00	-19.20	40.26	10.25	39.10	34.81	Peak	141	264	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11590.29	43.55	54.00	-10.45	28.92	10.30	39.16	34.83	Average	149	215	HORIZONTAL
2	11590.57	56.16	74.00	-17.84	41.53	10.30	39.16	34.83	Peak	149	215	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11590.83	56.13	74.00	-17.87	41.50	10.30	39.16	34.83	Peak	148	311	VERTICAL
2	11590.90	43.64	54.00	-10.36	29.01	10.30	39.16	34.83	Average	148	311	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.36	48.16	54.00	-5.84	31.48	13.83	38.11	35.26	Average	132	288	HORIZONTAL
2	15629.63	61.29	74.00	-12.71	44.61	13.83	38.11	35.26	Peak	132	288	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15630.03	61.49	74.00	-12.51	44.81	13.83	38.11	35.26	Peak	142	55	VERTICAL
2	15630.82	48.29	54.00	-5.71	31.61	13.83	38.11	35.26	Average	142	55	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11550.61	43.04	54.00	-10.96	28.43	10.29	39.14	34.82	Average	158	308	HORIZONTAL
2	11550.86	56.11	74.00	-17.89	41.50	10.29	39.14	34.82	Peak	158	308	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11550.06	55.99	74.00	-18.01	41.42	10.27	39.12	34.82	Peak	152	152	VERTICAL
2	11550.44	43.07	54.00	-10.93	28.46	10.29	39.14	34.82	Average	152	152	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 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.43	46.50	54.00	-7.50	29.63	13.84	38.24	35.21	Average	150	241	HORIZONTAL
2	15539.87	59.97	74.00	-14.03	43.10	13.84	38.24	35.21	Peak	150	241	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.73	46.46	54.00	-7.54	29.59	13.84	38.24	35.21	Average	150	205	VERTICAL
2	15540.85	59.78	74.00	-14.22	42.91	13.84	38.24	35.21	Peak	150	205	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.86	46.08	54.00	-7.92	29.31	13.83	38.17	35.23	Average	150	251	HORIZONTAL
2	15600.38	59.15	74.00	-14.85	42.38	13.83	38.17	35.23	Peak	150	251	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.26	46.17	54.00	-7.83	29.40	13.83	38.17	35.23	Average	150	265	VERTICAL
2	15600.74	60.21	74.00	-13.79	43.50	13.83	38.11	35.23	Peak	150	265	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.03	46.01	54.00	-7.99	29.51	13.82	37.98	35.30	Average	150	253	HORIZONTAL
2	15720.74	59.01	74.00	-14.99	42.51	13.82	37.98	35.30	Peak	150	253	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.26	45.93	54.00	-8.07	29.43	13.82	37.98	35.30	Average	150	272	VERTICAL
2	15720.39	59.67	74.00	-14.33	43.17	13.82	37.98	35.30	Peak	150	272	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.11	43.16	54.00	-10.84	28.61	10.25	39.10	34.80	Average	150	261	HORIZONTAL
2	11489.77	56.58	74.00	-17.42	42.03	10.25	39.10	34.80	Peak	150	261	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.42	43.06	54.00	-10.94	28.51	10.25	39.10	34.80	Average	150	276	VERTICAL
2	11490.75	56.95	74.00	-17.05	42.40	10.25	39.10	34.80	Peak	150	276	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.42	56.47	74.00	-17.53	41.86	10.29	39.14	34.82	Peak	150	218	HORIZONTAL
2	11570.11	42.80	54.00	-11.20	28.19	10.29	39.14	34.82	Average	150	218	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.19	42.75	54.00	-11.25	28.14	10.29	39.14	34.82	Average	150	247	VERTICAL
2	11569.48	56.91	74.00	-17.09	42.30	10.29	39.14	34.82	Peak	150	247	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11649.67	43.11	54.00	-10.89	28.45	10.32	39.18	34.84	Average	150	233	HORIZONTAL
2	11649.68	56.55	74.00	-17.45	41.89	10.32	39.18	34.84	Peak	150	233	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.32	43.04	54.00	-10.96	28.38	10.32	39.18	34.84	Average	150	206	VERTICAL
2	11650.82	56.64	74.00	-17.36	41.95	10.33	39.20	34.84	Peak	150	206	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.50	59.55	74.00	-14.45	42.68	13.84	38.24	35.21	Peak	150	200	HORIZONTAL
2	15540.81	46.27	54.00	-7.73	29.40	13.84	38.24	35.21	Average	150	200	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15539.63	60.57	74.00	-13.43	43.70	13.84	38.24	35.21	Peak	150	213	VERTICAL
2	15540.68	46.54	54.00	-7.46	29.67	13.84	38.24	35.21	Average	150	213	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.21	46.29	54.00	-7.71	29.52	13.83	38.17	35.23	Average	150	216	HORIZONTAL
2	15600.88	59.47	74.00	-14.53	42.76	13.83	38.11	35.23	Peak	150	216	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.92	46.04	54.00	-7.96	29.27	13.83	38.17	35.23	Average	150	208	VERTICAL
2	15600.33	60.15	74.00	-13.85	43.38	13.83	38.17	35.23	Peak	150	208	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.12	46.03	54.00	-7.97	29.53	13.82	37.98	35.30	Average	150	178	HORIZONTAL
2	15720.97	59.51	74.00	-14.49	43.01	13.82	37.98	35.30	Peak	150	178	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.22	46.19	54.00	-7.81	29.69	13.82	37.98	35.30	Average	150	181	VERTICAL
2	15720.99	59.24	74.00	-14.76	42.74	13.82	37.98	35.30	Peak	150	181	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.12	56.25	74.00	-17.75	41.70	10.25	39.10	34.80	Peak	150	174	HORIZONTAL
2	11490.61	43.08	54.00	-10.92	28.53	10.25	39.10	34.80	Average	150	174	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11489.49	43.28	54.00	-10.72	28.73	10.25	39.10	34.80	Average	150	187	VERTICAL
2	11490.23	56.62	74.00	-17.38	42.07	10.25	39.10	34.80	Peak	150	187	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.24	56.19	74.00	-17.81	41.58	10.29	39.14	34.82	Peak	150	178	HORIZONTAL
2	11570.84	42.71	54.00	-11.29	28.10	10.29	39.14	34.82	Average	150	178	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11569.45	42.81	54.00	-11.19	28.20	10.29	39.14	34.82	Average	150	196	VERTICAL
2	11570.80	56.21	74.00	-17.79	41.60	10.29	39.14	34.82	Peak	150	196	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11699.10	56.33	74.00	-17.67	41.62	10.35	39.22	34.86	Peak	150	172	HORIZONTAL
2	11700.91	43.38	54.00	-10.62	28.67	10.35	39.22	34.86	Average	150	172	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11699.46	43.26	54.00	-10.74	28.55	10.35	39.22	34.86	Average	150	180	VERTICAL
2	11699.91	56.90	74.00	-17.10	42.19	10.35	39.22	34.86	Peak	150	180	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15570.37	46.10	54.00	-7.90	29.33	13.83	38.17	35.23	Average	150	146	HORIZONTAL
2	15570.90	60.25	74.00	-13.75	43.48	13.83	38.17	35.23	Peak	150	146	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.38	46.32	54.00	-7.68	29.55	13.83	38.17	35.23	Average	150	168	VERTICAL
2	15569.85	59.73	74.00	-14.27	42.96	13.83	38.17	35.23	Peak	150	168	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.23	46.33	54.00	-7.67	29.73	13.83	38.05	35.28	Average	150	130	HORIZONTAL
2	15690.28	60.10	74.00	-13.90	43.50	13.83	38.05	35.28	Peak	150	130	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.02	59.33	74.00	-14.67	42.73	13.83	38.05	35.28	Peak	150	144	VERTICAL
2	15689.79	46.18	54.00	-7.82	29.58	13.83	38.05	35.28	Average	150	144	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.07	43.11	54.00	-10.89	28.57	10.25	39.10	34.81	Average	150	199	HORIZONTAL
2	11510.55	56.27	74.00	-17.73	41.73	10.25	39.10	34.81	Peak	150	199	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11509.51	43.11	54.00	-10.89	28.57	10.25	39.10	34.81	Average	150	173	VERTICAL
2	11510.16	55.94	74.00	-18.06	41.40	10.25	39.10	34.81	Peak	150	173	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.63	42.84	54.00	-11.16	28.21	10.30	39.16	34.83	Average	150	210	HORIZONTAL
2	11590.76	56.23	74.00	-17.77	41.60	10.30	39.16	34.83	Peak	150	210	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.72	42.78	54.00	-11.22	28.15	10.30	39.16	34.83	Average	150	188	VERTICAL
2	11590.35	56.76	74.00	-17.24	42.13	10.30	39.16	34.83	Peak	150	188	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.52	58.99	74.00	-15.01	42.31	13.83	38.11	35.26	Peak	150	213	HORIZONTAL
2	15630.37	46.53	54.00	-7.47	29.85	13.83	38.11	35.26	Average	150	213	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.64	46.17	54.00	-7.83	29.49	13.83	38.11	35.26	Average	150	198	VERTICAL
2	15630.49	59.55	74.00	-14.45	42.87	13.83	38.11	35.26	Peak	150	198	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 22, 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	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.97	43.02	54.00	-10.98	28.45	10.27	39.12	34.82	Average	150	280	HORIZONTAL
2	11550.97	56.57	74.00	-17.43	41.96	10.29	39.14	34.82	Peak	150	280	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11549.29	56.21	74.00	-17.79	41.64	10.27	39.12	34.82	Peak	150	260	VERTICAL
2	11550.68	43.13	54.00	-10.87	28.52	10.29	39.14	34.82	Average	150	260	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 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15538.39	47.12	54.00	-6.88	30.25	13.84	38.24	35.21	Average	150	36	HORIZONTAL
2	15539.02	58.63	74.00	-15.37	41.76	13.84	38.24	35.21	Peak	150	36	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.65	46.56	54.00	-7.44	29.69	13.84	38.24	35.21	Average	150	15	VERTICAL
2	15541.53	59.30	74.00	-14.70	42.43	13.84	38.24	35.21	Peak	150	15	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15598.23	59.73	74.00	-14.27	42.96	13.83	38.17	35.23	Peak	150	84	HORIZONTAL
2	15600.18	47.14	54.00	-6.86	30.37	13.83	38.17	35.23	Average	150	84	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15597.84	46.20	54.00	-7.80	29.43	13.83	38.17	35.23	Average	150	62	VERTICAL
2	15598.49	58.11	74.00	-15.89	41.34	13.83	38.17	35.23	Peak	150	62	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.03	47.82	54.00	-6.18	31.32	13.82	37.98	35.30	Average	150	115	HORIZONTAL
2	15721.66	59.66	74.00	-14.34	43.16	13.82	37.98	35.30	Peak	150	115	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15718.17	58.86	74.00	-15.14	42.36	13.82	37.98	35.30	Peak	150	99	VERTICAL
2	15719.07	47.93	54.00	-6.07	31.43	13.82	37.98	35.30	Average	150	99	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.00	41.97	54.00	-12.03	27.42	10.25	39.10	34.80	Average	150	54	HORIZONTAL
2	11490.00	52.73	74.00	-21.27	38.18	10.25	39.10	34.80	Peak	150	54	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.00	42.01	54.00	-11.99	27.46	10.25	39.10	34.80	Average	150	94	VERTICAL
2	11490.00	54.70	74.00	-19.30	40.15	10.25	39.10	34.80	Peak	150	94	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.00	43.49	54.00	-10.51	28.88	10.29	39.14	34.82	Average	150	188	HORIZONTAL
2	11570.00	54.67	74.00	-19.33	40.06	10.29	39.14	34.82	Peak	150	188	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.00	43.52	54.00	-10.48	28.91	10.29	39.14	34.82	Average	150	26	VERTICAL
2	11570.00	50.89	74.00	-23.11	36.28	10.29	39.14	34.82	Peak	150	26	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.00	42.99	54.00	-11.01	28.33	10.32	39.18	34.84	Average	150	105	HORIZONTAL
2	11650.00	54.48	74.00	-19.52	39.82	10.32	39.18	34.84	Peak	150	105	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.00	43.72	54.00	-10.28	29.06	10.32	39.18	34.84	Average	150	57	VERTICAL
2	11650.00	56.36	74.00	-17.64	41.70	10.32	39.18	34.84	Peak	150	57	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.00	46.75	54.00	-7.25	29.88	13.84	38.24	35.21	Average	150	63	HORIZONTAL
2	15540.00	58.69	74.00	-15.31	41.82	13.84	38.24	35.21	Peak	150	63	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.00	47.00	54.00	-7.00	30.13	13.84	38.24	35.21	Average	150	126	VERTICAL
2	15540.00	58.55	74.00	-15.45	41.68	13.84	38.24	35.21	Peak	150	126	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.00	46.97	54.00	-7.03	30.20	13.83	38.17	35.23	Average	150	56	HORIZONTAL
2	15600.00	58.45	74.00	-15.55	41.68	13.83	38.17	35.23	Peak	150	56	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15600.00	47.24	54.00	-6.76	30.47	13.83	38.17	35.23	Average	150	177	VERTICAL
2	15600.00	58.60	74.00	-15.40	41.83	13.83	38.17	35.23	Peak	150	177	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.00	47.82	54.00	-6.18	31.32	13.82	37.98	35.30	Average	150	59	HORIZONTAL
2	15720.00	59.09	74.00	-14.91	42.59	13.82	37.98	35.30	Peak	150	59	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.00	47.88	54.00	-6.12	31.38	13.82	37.98	35.30	Average	150	116	VERTICAL
2	15720.00	59.02	74.00	-14.98	42.52	13.82	37.98	35.30	Peak	150	116	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.00	41.65	54.00	-12.35	27.10	10.25	39.10	34.80	Average	150	154	HORIZONTAL
2	11490.00	53.11	74.00	-20.89	38.56	10.25	39.10	34.80	Peak	150	154	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.00	41.78	54.00	-12.22	27.23	10.25	39.10	34.80	Average	150	32	VERTICAL
2	11490.00	52.94	74.00	-21.06	38.39	10.25	39.10	34.80	Peak	150	32	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11563.05	43.11	54.00	-10.89	28.50	10.29	39.14	34.82	Average	150	97	HORIZONTAL
2	11565.20	48.57	74.00	-25.43	33.96	10.29	39.14	34.82	Peak	150	97	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11564.42	42.97	54.00	-11.03	28.36	10.29	39.14	34.82	Average	150	101	VERTICAL
2	11565.20	50.63	74.00	-23.37	36.02	10.29	39.14	34.82	Peak	150	101	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11651.28	43.36	54.00	-10.64	28.67	10.33	39.20	34.84	Average	150	187	HORIZONTAL
2	11653.71	54.62	74.00	-19.38	39.93	10.33	39.20	34.84	Peak	150	187	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11642.50	43.15	54.00	-10.85	28.49	10.32	39.18	34.84	Average	150	33	VERTICAL
2	11642.50	45.42	74.00	-28.58	30.76	10.32	39.18	34.84	Peak	150	33	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.41	46.25	54.00	-7.75	29.48	13.83	38.17	35.23	Average	150	153	HORIZONTAL
2	15572.53	58.81	74.00	-15.19	42.04	13.83	38.17	35.23	Peak	150	153	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15567.38	47.03	54.00	-6.97	30.26	13.83	38.17	35.23	Average	150	126	VERTICAL
2	15571.77	58.60	74.00	-15.40	41.83	13.83	38.17	35.23	Peak	150	126	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15690.06	57.78	74.00	-16.22	41.18	13.83	38.05	35.28	Peak	150	12	HORIZONTAL
2	15693.44	46.47	54.00	-7.53	29.95	13.82	37.98	35.28	Average	150	12	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15684.67	58.10	74.00	-15.90	41.50	13.83	38.05	35.28	Peak	150	216	VERTICAL
2	15689.02	47.94	54.00	-6.06	31.34	13.83	38.05	35.28	Average	150	216	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.00	56.20	74.00	-17.80	41.66	10.25	39.10	34.81	Peak	150	360	HORIZONTAL
2	11510.01	43.60	54.00	-10.40	29.06	10.25	39.10	34.81	Average	150	360	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11510.00	43.69	54.00	-10.31	29.15	10.25	39.10	34.81	Average	150	360	VERTICAL
2	11510.10	55.49	74.00	-18.51	40.95	10.25	39.10	34.81	Peak	150	360	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.99	56.50	74.00	-17.50	41.87	10.30	39.16	34.83	Peak	150	10	HORIZONTAL
2	11590.00	44.69	54.00	-9.31	30.06	10.30	39.16	34.83	Average	150	10	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11589.90	56.59	74.00	-17.41	41.96	10.30	39.16	34.83	Peak	150	162	VERTICAL
2	11589.94	44.82	54.00	-9.18	30.19	10.30	39.16	34.83	Average	150	162	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15630.34	60.35	74.00	-13.65	43.67	13.83	38.11	35.26	Peak	150	82	HORIZONTAL
2	15632.00	47.80	54.00	-6.20	31.12	13.83	38.11	35.26	Average	150	82	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15629.99	59.08	74.00	-14.92	42.40	13.83	38.11	35.26	Peak	150	163	VERTICAL
2	15630.54	47.21	54.00	-6.79	30.53	13.83	38.11	35.26	Average	150	163	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 18, 2015		
Test Mode	Mode 6: EUT 1 + Set 7 Sector Antenna / 11.5 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11550.43	55.42	74.00	-18.58	40.81	10.29	39.14	34.82	Peak	150	88	HORIZONTAL
2	11551.20	44.68	54.00	-9.32	30.07	10.29	39.14	34.82	Average	150	88	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11551.91	44.62	54.00	-9.38	30.01	10.29	39.14	34.82	Average	150	159	VERTICAL
2	11552.14	54.03	74.00	-19.97	39.42	10.29	39.14	34.82	Peak	150	159	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 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 13, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15537.37	46.29	54.00	-7.71	29.40	13.84	38.25	35.20	Average	150	27	HORIZONTAL
2	15543.24	58.25	74.00	-15.75	41.36	13.84	38.25	35.20	Peak	150	27	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15542.14	57.75	74.00	-16.25	40.86	13.84	38.25	35.20	Peak	150	13	VERTICAL
2	15542.56	46.37	54.00	-7.63	29.48	13.84	38.25	35.20	Average	150	13	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 13, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15595.95	58.18	74.00	-15.82	41.41	13.83	38.16	35.22	Peak	150	3	HORIZONTAL
2	15600.36	46.99	54.00	-7.01	30.24	13.83	38.16	35.24	Average	150	3	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15596.71	46.96	54.00	-7.04	30.19	13.83	38.16	35.22	Average	150	358	VERTICAL
2	15602.23	58.65	74.00	-15.35	41.90	13.83	38.16	35.24	Peak	150	358	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 13, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15719.23	46.49	54.00	-7.51	29.96	13.82	37.99	35.28	Average	150	16	HORIZONTAL
2	15723.63	58.05	74.00	-15.95	41.52	13.82	37.99	35.28	Peak	150	16	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15723.82	46.42	54.00	-7.58	29.89	13.82	37.99	35.28	Average	150	18	VERTICAL
2	15724.63	57.97	74.00	-16.03	41.44	13.82	37.99	35.28	Peak	150	18	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 13, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11481.63	43.12	54.00	-10.88	28.58	10.26	39.08	34.80	Average	150	355	HORIZONTAL
2	11497.55	54.29	74.00	-19.71	39.73	10.26	39.10	34.80	Peak	150	355	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11481.46	54.56	74.00	-19.44	40.02	10.26	39.08	34.80	Peak	150	6	VERTICAL
2	11483.78	43.38	54.00	-10.62	28.84	10.26	39.08	34.80	Average	150	6	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 13, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11568.96	54.78	74.00	-19.22	40.16	10.29	39.14	34.81	Peak	150	353	HORIZONTAL
2	11572.58	42.76	54.00	-11.24	28.15	10.29	39.14	34.82	Average	150	353	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11560.48	43.10	54.00	-10.90	28.49	10.29	39.13	34.81	Average	150	19	VERTICAL
2	11563.14	54.08	74.00	-19.92	39.47	10.29	39.13	34.81	Peak	150	19	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 13, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11640.91	42.73	54.00	-11.27	28.05	10.33	39.18	34.83	Average	150	351	HORIZONTAL
2	11659.32	54.71	74.00	-19.29	40.03	10.33	39.19	34.84	Peak	150	351	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11647.02	54.61	74.00	-19.39	39.94	10.33	39.18	34.84	Peak	150	10	VERTICAL
2	11653.71	43.23	54.00	-10.77	28.55	10.33	39.19	34.84	Average	150	10	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.51	46.40	54.00	-7.60	29.51	13.84	38.25	35.20	Average	150	318	HORIZONTAL
2	15540.60	62.61	74.00	-11.39	45.72	13.84	38.25	35.20	Peak	150	318	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15540.58	61.53	74.00	-12.47	44.64	13.84	38.25	35.20	Peak	150	347	VERTICAL
2	15541.38	46.03	54.00	-7.97	29.14	13.84	38.25	35.20	Average	150	347	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15599.35	46.62	54.00	-7.38	29.87	13.83	38.16	35.24	Average	150	275	HORIZONTAL
2	15599.56	62.14	74.00	-11.86	45.39	13.83	38.16	35.24	Peak	150	275	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15597.93	62.92	74.00	-11.08	46.15	13.83	38.16	35.22	Peak	150	288	VERTICAL
2	15598.29	46.55	54.00	-7.45	29.78	13.83	38.16	35.22	Average	150	288	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.87	46.78	54.00	-7.22	30.25	13.82	37.99	35.28	Average	150	252	HORIZONTAL
2	15721.79	60.95	74.00	-13.05	44.42	13.82	37.99	35.28	Peak	150	252	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15720.42	46.64	54.00	-7.36	30.11	13.82	37.99	35.28	Average	150	264	VERTICAL
2	15721.44	61.53	74.00	-12.47	45.00	13.82	37.99	35.28	Peak	150	264	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.00	56.18	74.00	-17.82	41.64	10.26	39.08	34.80	Peak	150	234	HORIZONTAL
2	11490.00	41.71	54.00	-12.29	27.17	10.26	39.08	34.80	Average	150	234	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11490.00	56.83	74.00	-17.17	42.29	10.26	39.08	34.80	Peak	150	210	VERTICAL
2	11490.00	41.83	54.00	-12.17	27.29	10.26	39.08	34.80	Average	150	210	VERTICAL

Temperature	25℃	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.00	55.94	74.00	-18.06	41.33	10.29	39.14	34.82	Peak	150	218	HORIZONTAL
2	11570.00	41.93	54.00	-12.07	27.32	10.29	39.14	34.82	Average	150	218	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11570.00	41.82	54.00	-12.18	27.21	10.29	39.14	34.82	Average	150	249	VERTICAL
2	11570.00	55.91	74.00	-18.09	41.30	10.29	39.14	34.82	Peak	150	249	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.00	42.07	54.00	-11.93	27.40	10.33	39.18	34.84	Average	150	161	HORIZONTAL
2	11650.00	55.83	74.00	-18.17	41.16	10.33	39.18	34.84	Peak	150	161	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	11650.00	42.04	54.00	-11.96	27.37	10.33	39.18	34.84	Average	150	179	VERTICAL
2	11650.00	56.35	74.00	-17.65	41.68	10.33	39.18	34.84	Peak	150	179	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.81	61.44	74.00	-12.56	44.62	13.83	38.20	35.21	Peak	150	299	HORIZONTAL
2	15570.08	48.53	54.00	-5.47	31.71	13.83	38.20	35.21	Average	150	299	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15569.91	48.64	54.00	-5.36	31.82	13.83	38.20	35.21	Average	150	141	VERTICAL
2	15569.92	61.74	74.00	-12.26	44.92	13.83	38.20	35.21	Peak	150	141	VERTICAL

Temperature	25°C	Humidity	58%
Test Engineer	Peter Wu & Owen Hsu	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4
Test Date	Nov. 14, 2015		
Test Mode	Mode 7: EUT 1 + Set 8 Sector Antenna / 12 dBi		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.95	47.17	54.00	-6.83	30.59	13.82	38.03	35.27	Average	150	304	HORIZONTAL
2	15690.14	60.08	74.00	-13.92	43.50	13.82	38.03	35.27	Peak	150	304	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB		cm	deg	
1	15689.71	59.95	74.00	-14.05	43.37	13.82	38.03	35.27	Peak	150	156	VERTICAL
2	15690.49	47.42	54.00	-6.58	30.84	13.82	38.03	35.27	Average	150	156	VERTICAL