

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Mar. 02, 2015
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

For indoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	9.53	12.69	Complies
40	5200 MHz	12.31	12.69	Complies
48	5240 MHz	10.80	12.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.31 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(10.31-6)=12.69dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.43	12.69	Complies
46	5230 MHz	8.08	12.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.31 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(10.31-6)=12.69dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	1.09	12.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.31 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(10.31-6)=12.69dBm/MHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Mar. 02, 2015
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

For indoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	10.21	10.93	Complies
40	5200 MHz	10.91	10.93	Complies
48	5240 MHz	10.89	10.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{SIGNAL}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.07\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(12.07-6)=10.93dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	4.05	10.93	Complies
46	5230 MHz	8.75	10.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{SIGNAL}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.07\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(12.07-6)=10.93dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	1.24	10.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{SIGNAL}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.07\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(12.07-6)=10.93dBm/MHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 12, 2015
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1 dBi / 1TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.37	17.00	Complies
40	5200 MHz	9.54	17.00	Complies
48	5240 MHz	8.36	17.00	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	3.57	-3.01	0.56	30.00	Complies
157	5785 MHz	9.81	-3.01	6.80	30.00	Complies
165	5825 MHz	4.13	-3.01	1.12	30.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	1.58	17.00	Complies
46	5230 MHz	5.81	17.00	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	-0.94	-3.01	-3.95	30.00	Complies
159	5795 MHz	2.08	-3.01	-0.93	30.00	Complies

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-2.55	17.00	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-3.34	-3.01	-6.35	30.00	Complies

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 12, 2015
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1 dBi / 2TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	8.69	14.89	Complies
40	5200 MHz	11.64	14.89	Complies
48	5240 MHz	11.82	14.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{SIGNAL}} g_{j,i,k} \right\}^2}{N_{ANT}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(8.11-6)=14.89dBm/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	5.70	-3.01	2.69	27.89	Complies
157	5785 MHz	11.18	-3.01	8.17	27.89	Complies
165	5825 MHz	5.52	-3.01	2.51	27.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{SIGNAL}} g_{j,i,k} \right\}^2}{N_{ANT}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(8.11-6)=27.89dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.46	14.89	Complies
46	5230 MHz	8.12	14.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{SIGNAL}} g_{j,i,k} \right\}^2}{N_{ANT}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(8.11-6)=14.89dBm/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	1.84	-3.01	-1.17	27.89	Complies
159	5795 MHz	2.48	-3.01	-0.53	27.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{SIGNAL}} g_{j,i,k} \right\}^2}{N_{ANT}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(8.11-6)=27.89dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-1.39	14.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{k=1}^{N_{ss}} |g_{j,k}|^2 \right\}}{N_{ANT}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(8.11-6)=14.89dBm/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	-1.35	-3.01	-4.36	27.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{k=1}^{N_{ss}} |g_{j,k}|^2 \right\}}{N_{ANT}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(8.11-6)=27.89dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng, Lucas Huang	Test Date	Jan. 08, 2015 ~ Jan. 12, 2015
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1 dBi / 3TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	9.74	13.13	Complies
40	5200 MHz	11.91	13.13	Complies
48	5240 MHz	12.88	13.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.87 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(9.87-6)=13.13dBm/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	6.41	-3.01	3.40	26.13	Complies
157	5785 MHz	11.23	-3.01	8.22	26.13	Complies
165	5825 MHz	7.14	-3.01	4.13	26.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.87 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(9.87-6)=26.13dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	4.06	13.13	Complies
46	5230 MHz	8.27	13.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.87 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(9.87-6)=13.13dBm/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	3.04	-3.01	0.03	26.13	Complies
159	5795 MHz	4.09	-3.01	1.08	26.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.87 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(9.87-6)=26.13dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-1.03	13.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{i=1}^{N_{ant}} |g_{j,i}|^2 \right\}}{N_{ant}} \right] = 9.87 \text{dBi} > 6 \text{dBi}$, So Band1 Limit = 17-(9.87-6)=13.13dBm/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	0.23	-3.01	-2.78	26.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{i=1}^{N_{ant}} |g_{j,i}|^2 \right\}}{N_{ant}} \right] = 9.87 \text{dBi} > 6 \text{dBi}$, So Band4 Limit = 30-(9.87-6)=26.13dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng, Lucas Huang	Test Date	Jan. 08, 2015 ~ Jan. 13, 2015
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	2.36	14.70	Complies
40	5200 MHz	8.08	14.70	Complies
48	5240 MHz	6.88	14.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	0.98	-3.01	-2.03	27.70	Complies
157	5785 MHz	7.11	-3.01	4.10	27.70	Complies
165	5825 MHz	1.48	-3.01	-1.53	27.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	0.13	14.70	Complies
46	5230 MHz	4.36	14.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	-2.47	-3.01	-5.48	27.70	Complies
159	5795 MHz	-0.61	-3.01	-3.62	27.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.23	14.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	-6.91	-3.01	-9.92	27.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 08, 2015
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.40	14.70	Complies
40	5200 MHz	9.84	14.70	Complies
48	5240 MHz	11.29	14.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	4.27	-3.01	1.26	27.70	Complies
157	5785 MHz	10.01	-3.01	7.00	27.70	Complies
165	5825 MHz	4.33	-3.01	1.32	27.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.24	14.70	Complies
46	5230 MHz	5.98	14.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	0.75	-3.01	-2.26	27.70	Complies
159	5795 MHz	1.28	-3.01	-1.73	27.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.02	14.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	-2.95	-3.01	-5.96	27.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng, Lucas Huang	Test Date	Jan. 08, 2015 ~ Jan. 13, 2015
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	8.11	13.64	Complies
40	5200 MHz	10.05	13.64	Complies
48	5240 MHz	10.44	13.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{CH}} g_{j,i} \right\}^2}{N_{ANT}} \right] = 9.36\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(9.36-6)=13.64dBm/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	5.97	-3.01	2.96	26.64	Complies
157	5785 MHz	10.71	-3.01	7.70	26.64	Complies
165	5825 MHz	11.23	-3.01	8.22	26.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{CH}} g_{j,i} \right\}^2}{N_{ANT}} \right] = 9.36\text{dBi} > 6\text{dBi}$, So Band4 Limit = 30-(9.36-6)=26.64dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	2.27	13.64	Complies
46	5230 MHz	6.84	13.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{CH}} g_{j,i} \right\}^2}{N_{ANT}} \right] = 9.36\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(9.36-6)=13.64dBm/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	1.47	-3.01	-1.54	26.64	Complies
159	5795 MHz	3.27	-3.01	0.26	26.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{CH}} g_{j,i} \right\}^2}{N_{ANT}} \right] = 9.36\text{dBi} > 6\text{dBi}$, So Band4 Limit = 30-(9.36-6)=26.64dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.46	13.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{i=1}^{N_{ant}} |g_{j,i}|^2 \right\}}{N_{ant}} \right] = 9.36 \text{dBi} > 6 \text{dBi}$, So Band1 Limit = 17-(9.36-6)=13.64dBm/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	-4.02	-3.01	-7.03	26.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{i=1}^{N_{ant}} |g_{j,i}|^2 \right\}}{N_{ant}} \right] = 9.36 \text{dBi} > 6 \text{dBi}$, So Band4 Limit = 30-(9.36-6)=26.64dBm/500kHz

<For Beamforming Mode>

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 14, 2015
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

For outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	-1.23	12.69	Complies
40	5200 MHz	-1.15	12.69	Complies
48	5240 MHz	-0.94	12.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.3\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(10.31-6)=12.69dBm/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	5.55	-3.01	2.54	25.69	Complies
157	5785 MHz	11.17	-3.01	8.16	25.69	Complies
165	5825 MHz	5.88	-3.01	2.87	25.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.3\text{dBi} > 6\text{dBi}$, So Band4 Limit = 30-(10.31-6)=25.69dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-4.28	12.69	Complies
46	5230 MHz	-3.79	12.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.3\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(10.31-6)=12.69dBm/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	2.23	-3.01	-0.78	25.69	Complies
159	5795 MHz	3.26	-3.01	0.25	25.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.3\text{dBi} > 6\text{dBi}$, So Band4 Limit = 30-(10.31-6)=25.69dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-7.16	12.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{k=1}^{N_{ant}} |g_{j,k}|^2 \right\}}{N_{ant}} \right] = 10.3dBi > 6dBi$, So Band1 Limit = 17-(10.31-6)=12.69dBm/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	-2.20	-3.01	-5.21	25.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{k=1}^{N_{ant}} |g_{j,k}|^2 \right\}}{N_{ant}} \right] = 10.3dBi > 6dBi$, So Band4 Limit = 30-(10.31-6)=25.69dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 14, 2015
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

For outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	-2.80	10.93	Complies
40	5200 MHz	-2.99	10.93	Complies
48	5240 MHz	-2.96	10.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.07 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(12.07-6)=10.93dBm/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	6.29	-3.01	3.28	23.93	Complies
157	5785 MHz	10.32	-3.01	7.31	23.93	Complies
165	5825 MHz	6.44	-3.01	3.43	23.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.07 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(12.07-6)=23.93dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-6.13	10.93	Complies
46	5230 MHz	-5.74	10.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.07 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(12.07-6)=10.93dBm/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	2.63	-3.01	-0.38	23.93	Complies
159	5795 MHz	3.87	-3.01	0.86	23.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.07 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(12.07-6)=23.93dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-9.48	10.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{k=1}^{N_{ant}} |g_{j,k}|^2 \right\}}{N_{ant}} \right] = 12.07 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(12.07-6)=10.93dBm/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	-1.29	-3.01	-4.30	23.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{k=1}^{N_{ant}} |g_{j,k}|^2 \right\}}{N_{ant}} \right] = 12.07 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(12.07-6)=23.93dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Mar. 02, 2015
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

For indoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	9.25	12.69	Complies
40	5200 MHz	11.76	12.69	Complies
48	5240 MHz	8.25	12.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.3dBi > 6dBi$, So Band1 Limit = 17-(10.31-6)=12.69dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.20	12.69	Complies
46	5230 MHz	8.76	12.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.3dBi > 6dBi$, So Band1 Limit = 17-(10.31-6)=12.69dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.70	12.69	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 10.3dBi > 6dBi$, So Band1 Limit = 17-(10.31-6)=12.69dBm/MHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Mar. 02, 2015
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

For indoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	10.22	10.93	Complies
40	5200 MHz	10.25	10.93	Complies
48	5240 MHz	10.74	10.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.07\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(12.07-6)=10.93dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	4.71	10.93	Complies
46	5230 MHz	7.44	10.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.07\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(12.07-6)=10.93dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	1.68	10.93	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.07\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(12.07-6)=10.93dBm/MHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 12, 2015
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1 dBi / 2TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	9.32	14.89	Complies
40	5200 MHz	11.96	14.89	Complies
48	5240 MHz	11.83	14.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{CH}} g_{j,i} \right\}^2}{N_{ANT}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(8.11-6)=14.89dBm/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	5.66	-3.01	2.65	27.89	Complies
157	5785 MHz	11.35	-3.01	8.34	27.89	Complies
165	5825 MHz	6.26	-3.01	3.25	27.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{CH}} g_{j,i} \right\}^2}{N_{ANT}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(8.11-6)=27.89dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	2.66	14.89	Complies
46	5230 MHz	7.21	14.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{CH}} g_{j,i} \right\}^2}{N_{ANT}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(8.11-6)=14.89dBm/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	1.55	-3.01	-1.46	27.89	Complies
159	5795 MHz	3.96	-3.01	0.95	27.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{i=1}^{N_{CH}} g_{j,i} \right\}^2}{N_{ANT}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(8.11-6)=27.89dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.06	14.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{k=1}^{N_{ant}} |g_{j,k}|^2 \right\}}{N_{ant}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(8.11-6)=14.89dBm/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	-2.20	-3.01	-5.21	27.89	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{k=1}^{N_{ant}} |g_{j,k}|^2 \right\}}{N_{ant}} \right] = 8.11 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(8.11-6)=27.89dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 12, 2015
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1 dBi / 3TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	8.39	13.13	Complies
40	5200 MHz	9.94	13.13	Complies
48	5240 MHz	11.50	13.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.87 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(9.87-6)=13.13dBm/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	6.51	-3.01	3.50	26.13	Complies
157	5785 MHz	9.92	-3.01	6.91	26.13	Complies
165	5825 MHz	7.05	-3.01	4.04	26.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.87 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(9.87-6)=26.13dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	4.17	13.13	Complies
46	5230 MHz	7.27	13.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.87 \text{ dBi} > 6 \text{ dBi}$, So Band1 Limit = 17-(9.87-6)=13.13dBm/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	2.15	-3.01	-0.86	26.13	Complies
159	5795 MHz	4.17	-3.01	1.16	26.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.87 \text{ dBi} > 6 \text{ dBi}$, So Band4 Limit = 30-(9.87-6)=26.13dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-1.06	13.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{i=1}^{N_{ant}} |g_{j,i}|^2 \right\}}{N_{ant}} \right] = 9.87 \text{dBi} > 6 \text{dBi}$, So Band1 Limit = 17-(9.87-6)=13.13dBm/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	-0.92	-3.01	-3.93	26.13	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{i=1}^{N_{ant}} |g_{j,i}|^2 \right\}}{N_{ant}} \right] = 9.87 \text{dBi} > 6 \text{dBi}$, So Band4 Limit = 30-(9.87-6)=26.13dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 08, 2015
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.40	14.70	Complies
40	5200 MHz	8.81	14.70	Complies
48	5240 MHz	9.15	14.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	3.28	-3.01	0.27	27.70	Complies
157	5785 MHz	9.36	-3.01	6.35	27.70	Complies
165	5825 MHz	4.28	-3.01	1.27	27.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	2.03	14.70	Complies
46	5230 MHz	5.21	14.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	-0.27	-3.01	-3.28	27.70	Complies
159	5795 MHz	-0.15	-3.01	-3.16	27.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-5.17	14.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	-3.09	-3.01	-6.10	27.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng, Lucas Huang	Test Date	Jan. 08, 2015 ~ Jan. 13, 2015
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.03	13.64	Complies
40	5200 MHz	8.65	13.64	Complies
48	5240 MHz	9.49	13.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.36\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(9.36-6)=13.64dBm/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	5.10	-3.01	2.09	26.64	Complies
157	5785 MHz	7.76	-3.01	4.75	26.64	Complies
165	5825 MHz	4.94	-3.01	1.93	26.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.36\text{dBi} > 6\text{dBi}$, So Band4 Limit = 30-(9.36-6)=26.64dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	1.50	13.64	Complies
46	5230 MHz	5.23	13.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.36\text{dBi} > 6\text{dBi}$, So Band1 Limit = 17-(9.36-6)=13.64dBm/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	-0.24	-3.01	-3.25	26.64	Complies
159	5795 MHz	1.71	-3.01	-1.30	26.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{CH}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.36\text{dBi} > 6\text{dBi}$, So Band4 Limit = 30-(9.36-6)=26.64dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-5.47	13.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{k=1}^{N_{ant}} |g_{j,k}|^2 \right\}}{N_{ant}} \right] = 9.36 \text{dBi} > 6 \text{dBi}$, So Band1 Limit = 17-(9.36-6)=13.64dBm/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	-5.79	-3.01	-8.80	26.64	Complies

Note: $DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ch}} \left\{ \sum_{k=1}^{N_{ant}} |g_{j,k}|^2 \right\}}{N_{ant}} \right] = 9.36 \text{dBi} > 6 \text{dBi}$, So Band4 Limit = 30-(9.36-6)=26.64dBm/500kHz

<For STBC Mode>

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 14, 2015
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

For outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	1.99	15.70	Complies
40	5200 MHz	1.75	15.70	Complies
48	5240 MHz	1.72	15.70	Complies

Note: Antenna gain=7.30dBi >6dBi,So Band1 Limit =17-(7.30-6)=15.70dBm/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	6.77	-3.01	3.76	28.70	Complies
157	5785 MHz	11.43	-3.01	8.42	28.70	Complies
165	5825 MHz	6.38	-3.01	3.37	28.70	Complies

Note: Antenna gain=7.30dBi >6dBi,So Band4 Limit =30-(7.30-6)=28.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-1.09	15.70	Complies
46	5230 MHz	-0.89	15.70	Complies

Note: Antenna gain=7.30dBi >6dBi,So Band1 Limit =17-(7.30-6)=15.70dBm/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	2.39	-3.01	-0.62	28.70	Complies
159	5795 MHz	3.24	-3.01	0.23	28.70	Complies

Note: Antenna gain=7.30dBi >6dBi,So Band4 Limit =30-(7.30-6)=28.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.08	15.70	Complies

Note: Antenna gain=7.30dBi >6dBi, So Band1 Limit = 17-(7.30-6)=15.70dBm/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	-1.65	-3.01	-4.66	28.70	Complies

Note: Antenna gain=7.30dBi >6dBi, So Band4 Limit = 30-(7.30-6)=28.70dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 14, 2015
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

For outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	1.95	15.70	Complies
40	5200 MHz	1.89	15.70	Complies
48	5240 MHz	2.03	15.70	Complies

Note: Antenna gain=7.30dBi > 6dBi, So Band1 Limit = 17-(7.30-6)=15.70dBm/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	7.86	-3.01	4.85	28.70	Complies
157	5785 MHz	13.19	-3.01	10.18	28.70	Complies
165	5825 MHz	8.47	-3.01	5.46	28.70	Complies

Note: Antenna gain=7.30dBi > 6dBi, So Band4 Limit = 30-(7.30-6)=28.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-1.12	15.70	Complies
46	5230 MHz	-0.94	15.70	Complies

Note: Antenna gain=7.30dBi > 6dBi, So Band1 Limit = 17-(7.30-6)=15.70dBm/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	3.41	-3.01	0.40	28.70	Complies
159	5795 MHz	4.05	-3.01	1.04	28.70	Complies

Note: Antenna gain=7.30dBi > 6dBi, So Band4 Limit = 30-(7.30-6)=28.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.31	15.70	Complies

Note: Antenna gain = 7.30dBi > 6dBi, So Band1 Limit = $17 - (7.30 - 6) = 15.70$ dBm/MHz

Channel	Frequency	Power Density (dBm/MHz)	$10\log(500\text{kHz}/\text{RBW})$ Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	0.04	-3.01	-2.97	28.70	Complies

Note: Antenna gain = 7.30dBi > 6dBi, So Band4 Limit = $30 - (7.30 - 6) = 28.70$ dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Mar. 02, 2015
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

For indoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	9.06	15.70	Complies
40	5200 MHz	11.70	15.70	Complies
48	5240 MHz	11.87	15.70	Complies

Note: Antenna gain=7.30dBi > 6dBi, So Band1 Limit = 17-(7.30-6)=15.70dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	5.57	15.70	Complies
46	5230 MHz	10.69	15.70	Complies

Note: Antenna gain=7.30dBi > 6dBi, So Band1 Limit = 17-(7.30-6)=15.70dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	2.30	15.70	Complies

Note: Antenna gain=7.30dBi > 6dBi, So Band1 Limit = 17-(7.30-6)=15.70dBm/MHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Mar. 02, 2015
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

For indoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	10.52	15.70	Complies
40	5200 MHz	13.84	15.70	Complies
48	5240 MHz	13.57	15.70	Complies

Note: Antenna gain=7.30dBi > 6dBi, So Band1 Limit = 17-(7.30-6)=15.70dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	5.54	15.70	Complies
46	5230 MHz	10.66	15.70	Complies

Note: Antenna gain=7.30dBi > 6dBi, So Band1 Limit = 17-(7.30-6)=15.70dBm/MHz

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	1.21	15.70	Complies

Note: Antenna gain=7.30dBi > 6dBi, So Band1 Limit = 17-(7.30-6)=15.70dBm/MHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 12, 2015
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1 dBi / 2TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	9.50	17.00	Complies
40	5200 MHz	11.56	17.00	Complies
48	5240 MHz	11.69	17.00	Complies

Note: Antenna gain=5.1 dBi < 6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	6.11	-3.01	3.10	30.00	Complies
157	5785 MHz	11.48	-3.01	8.47	30.00	Complies
165	5825 MHz	7.75	-3.01	4.74	30.00	Complies

Note: Antenna gain=5.1 dBi < 6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.45	17.00	Complies
46	5230 MHz	7.80	17.00	Complies

Note: Antenna gain=5.1 dBi < 6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	2.99	-3.01	-0.02	30.00	Complies
159	5795 MHz	3.71	-3.01	0.70	30.00	Complies

Note: Antenna gain=5.1 dBi < 6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-0.58	17.00	Complies

Note: Antenna gain=5.1 dBi <6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-0.83	-3.01	-3.84	30.00	Complies

Note: Antenna gain=5.1 dBi <6dBi, so the limit doesn't reduce.

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng	Test Date	Jan. 12, 2015
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1 dBi / 3TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	10.02	17.00	Complies
40	5200 MHz	12.65	17.00	Complies
48	5240 MHz	13.52	17.00	Complies

Note: Antenna gain=5.1 dBi < 6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	7.97	-3.01	4.96	30.00	Complies
157	5785 MHz	12.88	-3.01	9.87	30.00	Complies
165	5825 MHz	7.98	-3.01	4.97	30.00	Complies

Note: Antenna gain=5.1 dBi < 6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	4.61	17.00	Complies
46	5230 MHz	8.94	17.00	Complies

Note: Antenna gain=5.1 dBi < 6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	3.64	-3.01	0.63	30.00	Complies
159	5795 MHz	4.46	-3.01	1.45	30.00	Complies

Note: Antenna gain=5.1 dBi < 6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-0.38	17.00	Complies

Note: Antenna gain=5.1 dBi <6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-0.43	-3.01	-3.44	30.00	Complies

Note: Antenna gain=5.1 dBi <6dBi, so the limit doesn't reduce.

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng, Lucas Huang	Test Date	Jan. 08, 2015 ~ Jan. 13, 2015
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)		

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.27	14.70	Complies
40	5200 MHz	10.36	14.70	Complies
48	5240 MHz	10.72	14.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	4.54	-3.01	1.53	27.70	Complies
157	5785 MHz	10.58	-3.01	7.57	27.70	Complies
165	5825 MHz	5.60	-3.01	2.59	27.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	1.77	14.70	Complies
46	5230 MHz	5.99	14.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	0.69	-3.01	-2.32	27.70	Complies
159	5795 MHz	2.25	-3.01	-0.76	27.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-2.56	14.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	-2.05	-3.01	-5.06	27.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Temperature	22°C	Humidity	63%
Test Engineer	Nick Peng, Lucas Huang	Test Date	Jan. 08, 2015 ~ Jan. 13, 2015
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)		

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.13	14.70	Complies
40	5200 MHz	8.41	14.70	Complies
48	5240 MHz	8.56	14.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	6.08	-3.01	3.07	27.70	Complies
157	5785 MHz	9.96	-3.01	6.95	27.70	Complies
165	5825 MHz	6.56	-3.01	3.55	27.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	2.79	14.70	Complies
46	5230 MHz	6.90	14.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	1.55	-3.01	-1.46	27.70	Complies
159	5795 MHz	3.18	-3.01	0.17	27.70	Complies

Note: Antenna gain=8.30dBi > 6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 + Chain 6

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-2.70	14.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band1 Limit = 17-(8.30-6)=14.70dBm/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	-2.01	-3.01	-5.02	27.70	Complies

Note: Antenna gain=8.30dBi >6dBi, So Band4 Limit = 30-(8.30-6)=27.70dBm/500kHz

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

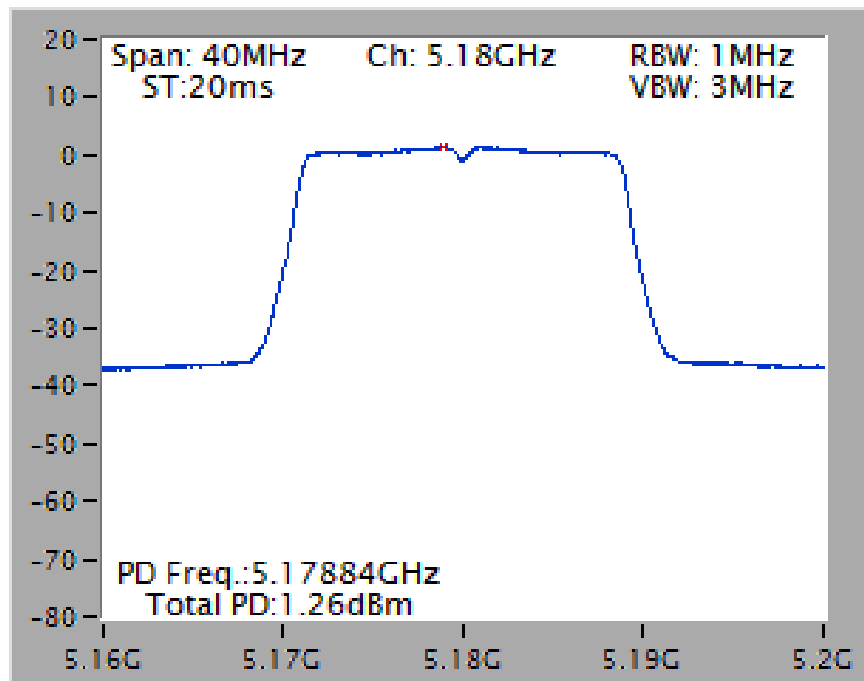
For plots, only the channel with worse result was shown.

For Band 1 and Band 4 (Master and client without radar detection):

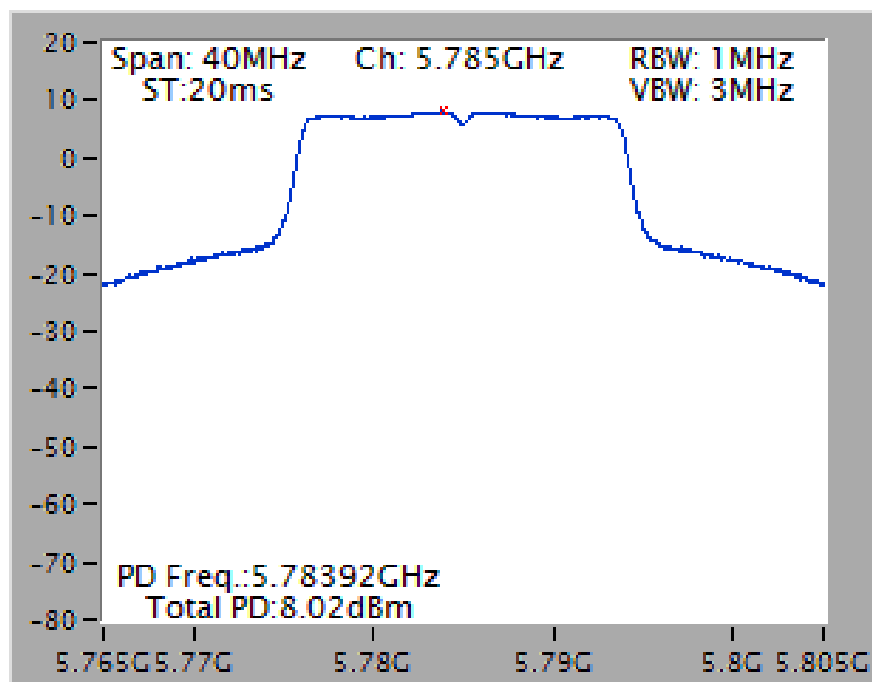
<For Non-Beamforming Mode>

Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX) / For outdoor use

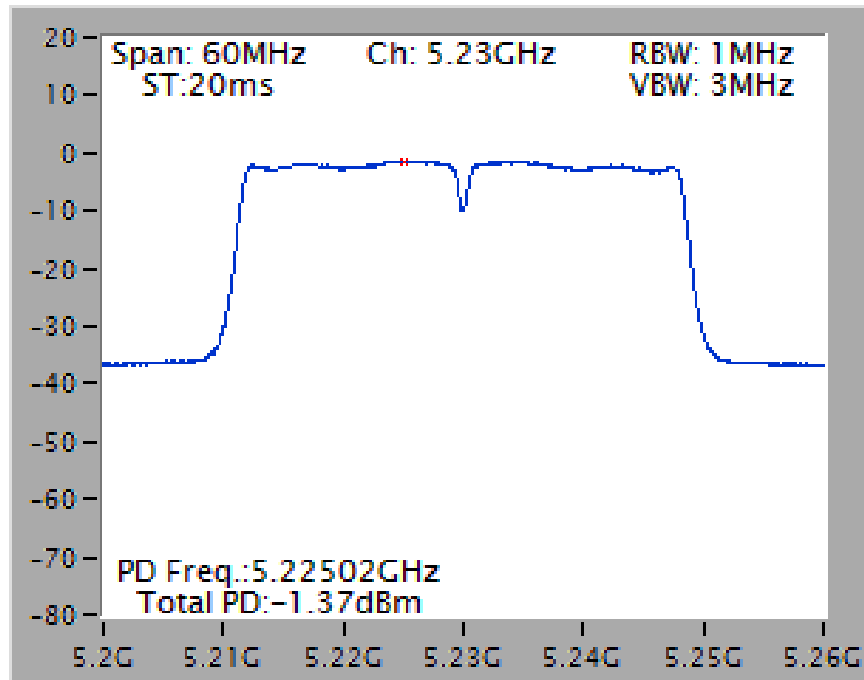
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 5 / 5180 MHz



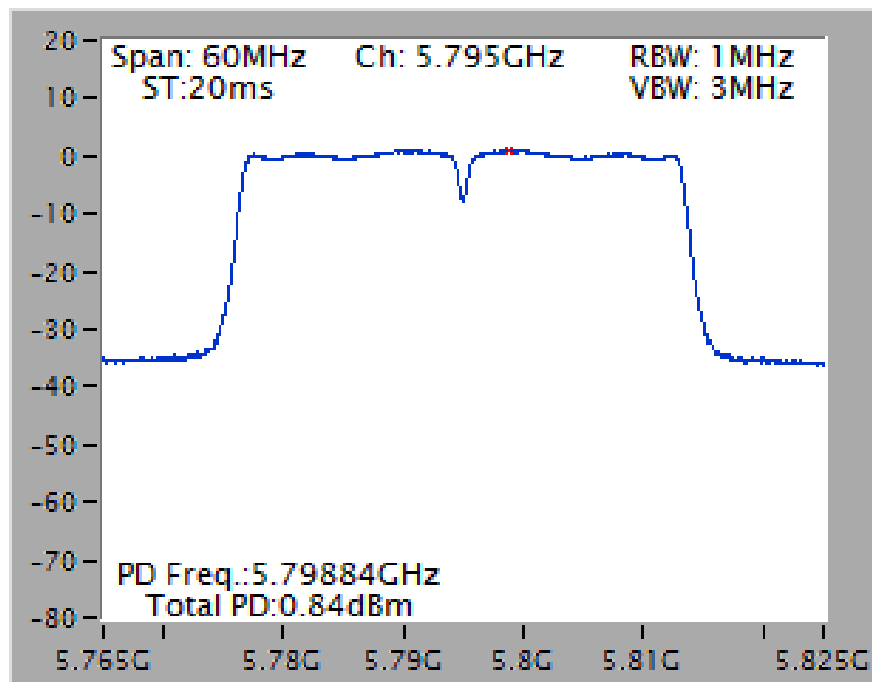
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 5 / 5785 MHz



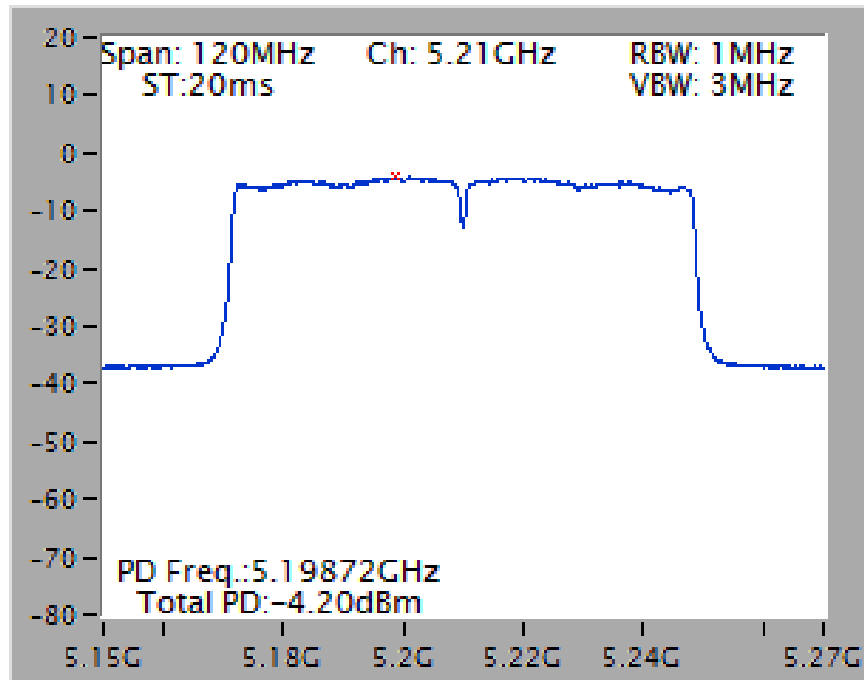
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 5 / 5230 MHz



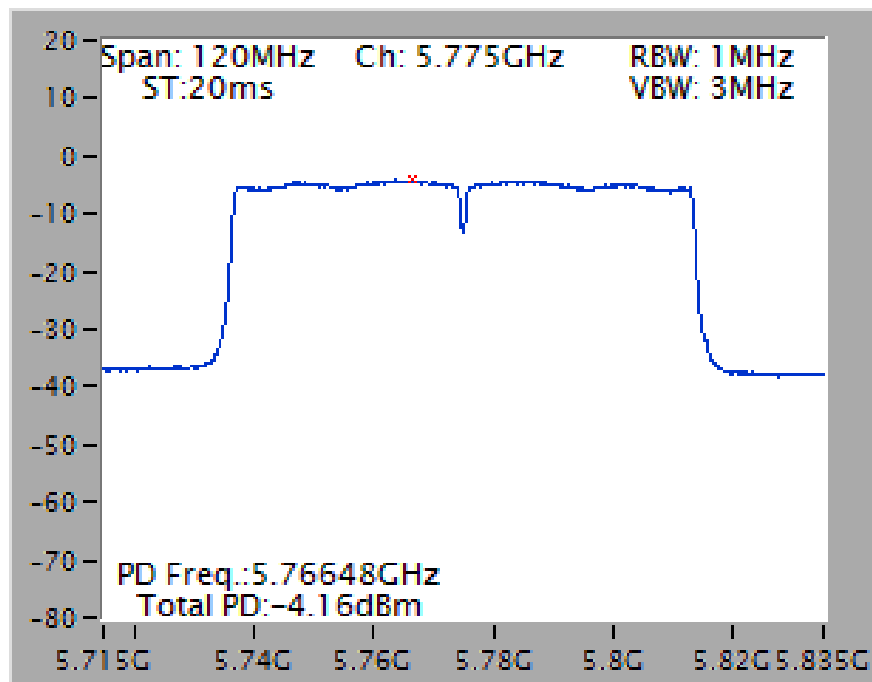
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 5 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 5 / 5210 MHz

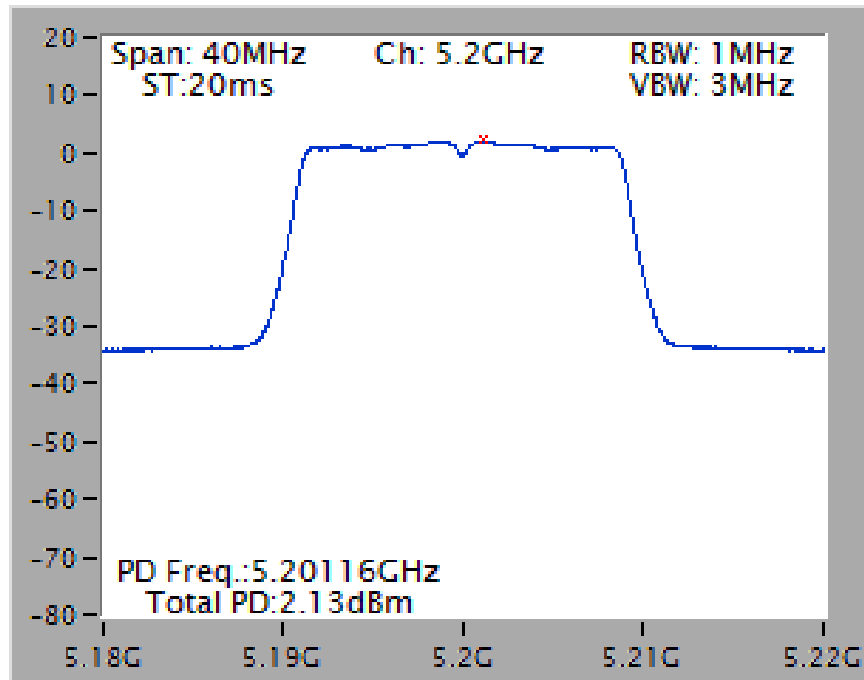


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 5 / 5775 MHz

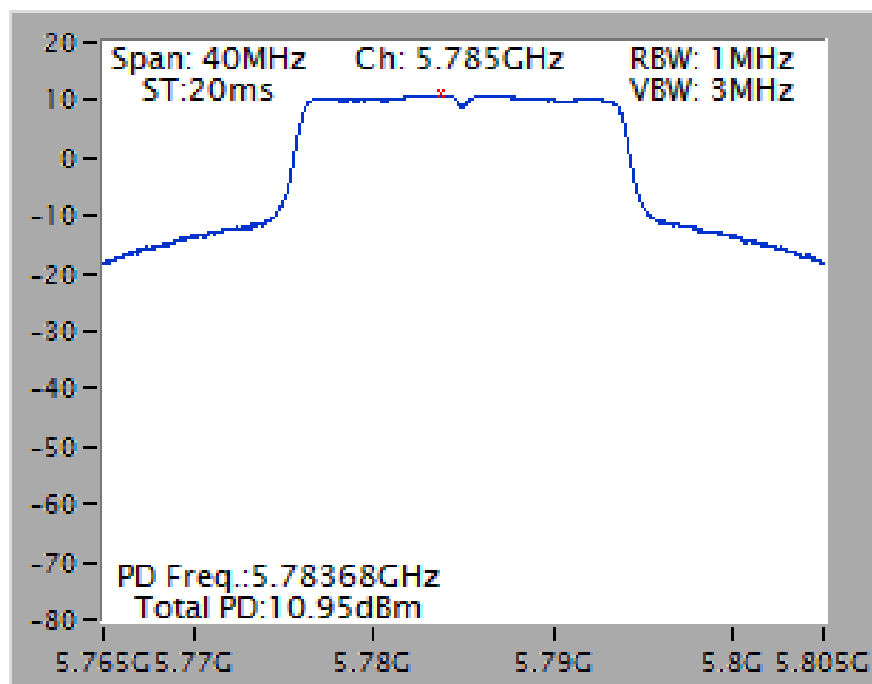


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX) / For outdoor use

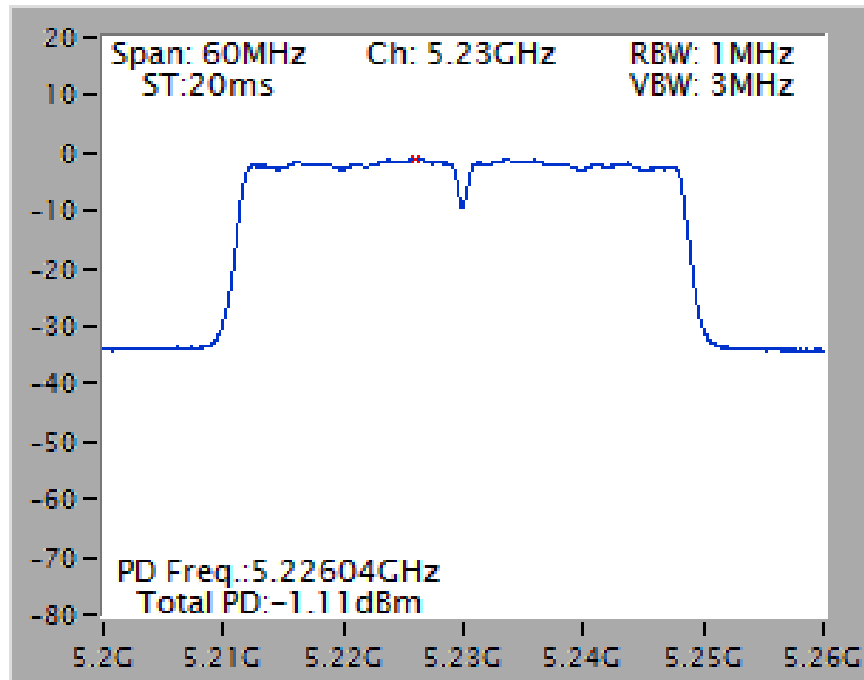
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5200 MHz



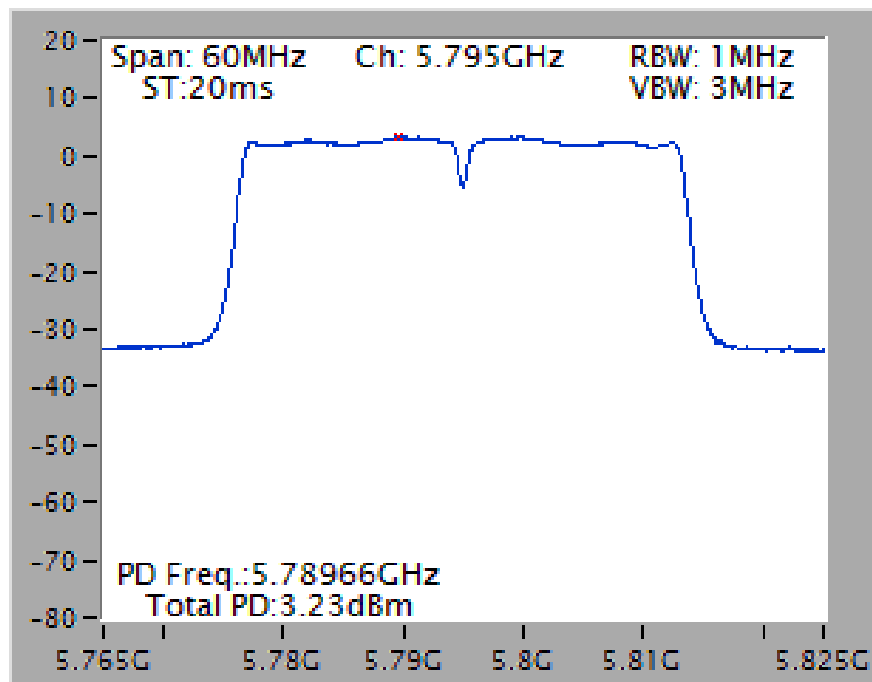
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5785 MHz



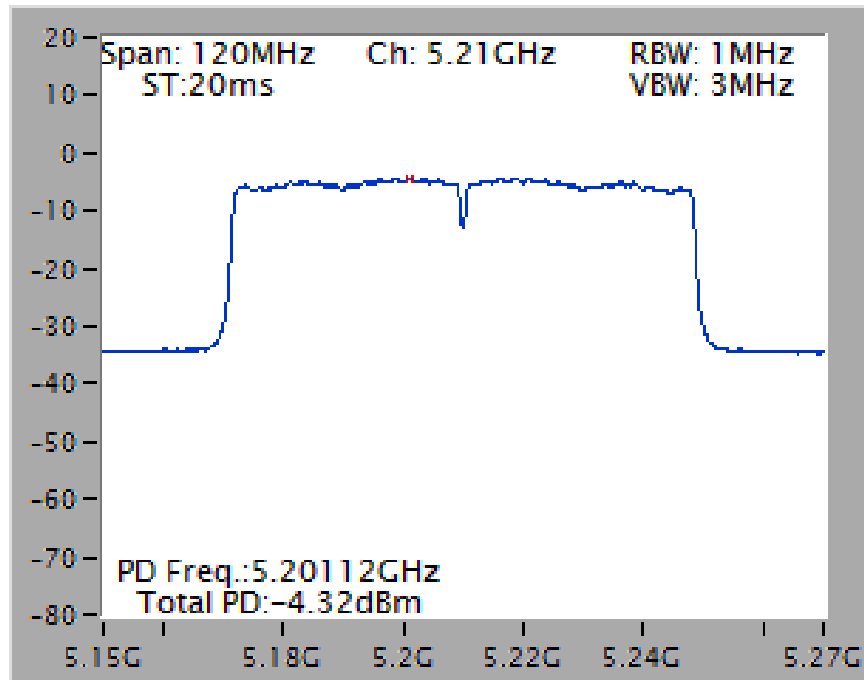
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5230 MHz



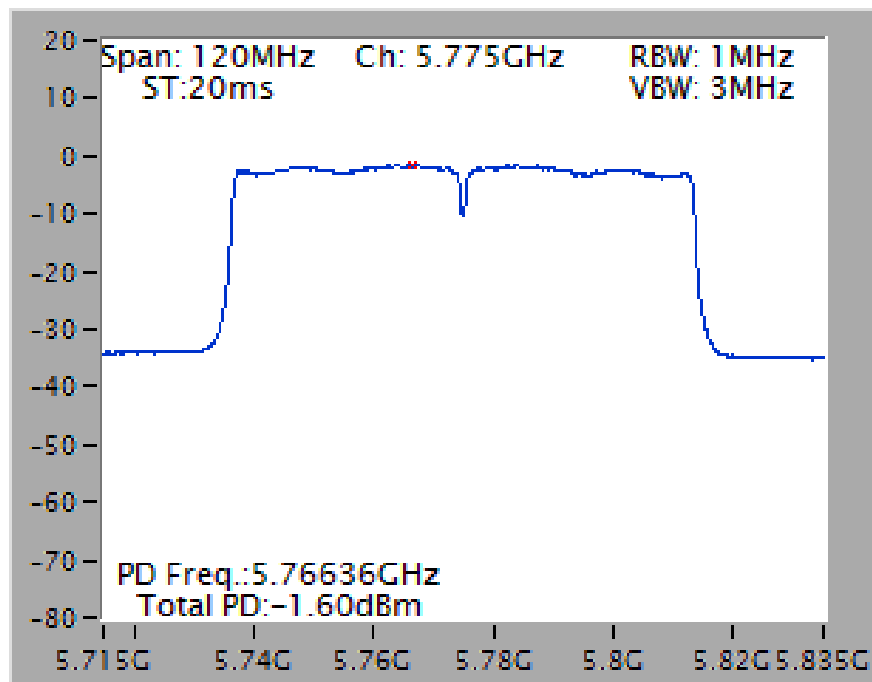
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5210 MHz

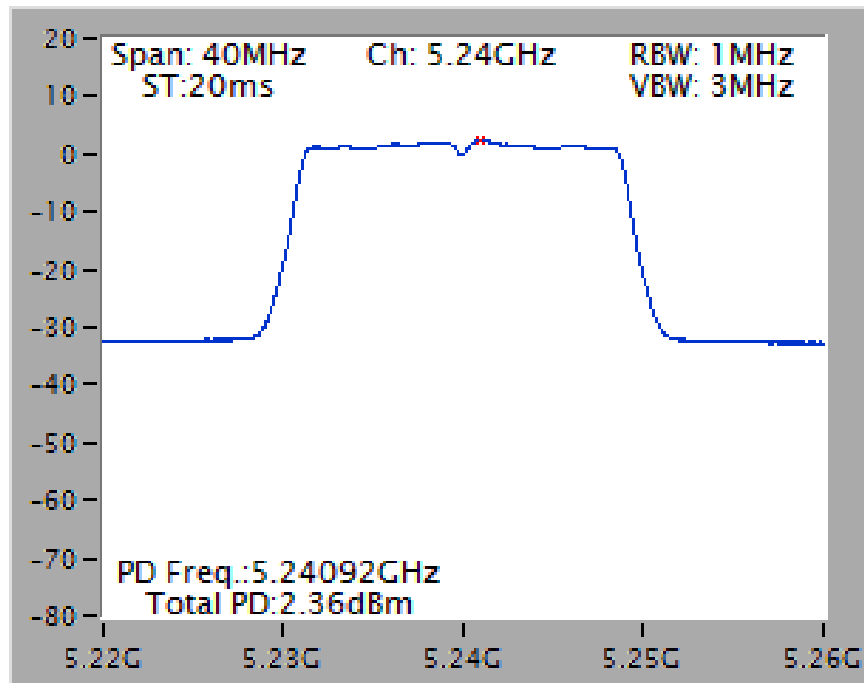


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5775 MHz

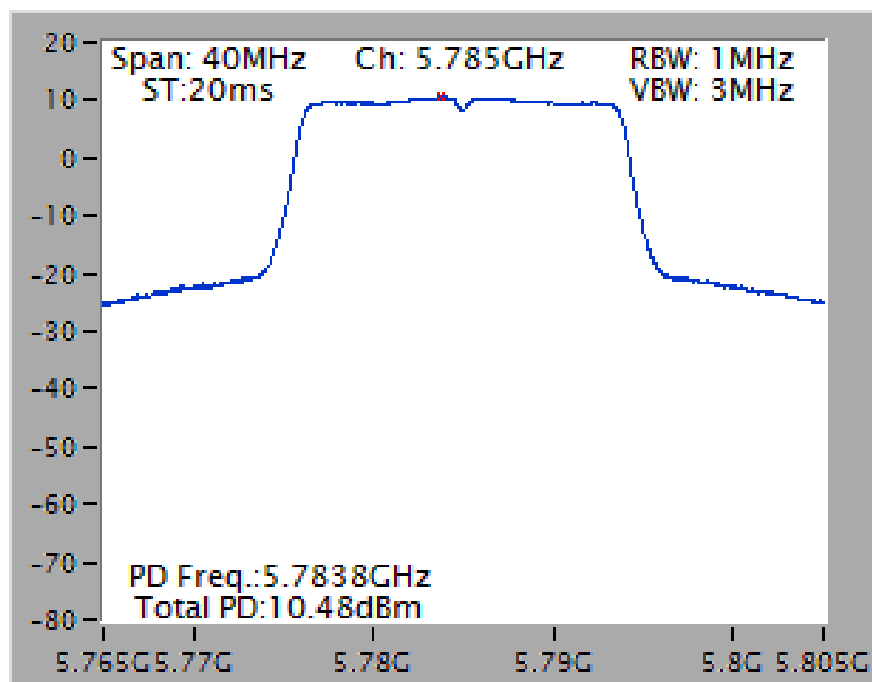


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX) / For outdoor use

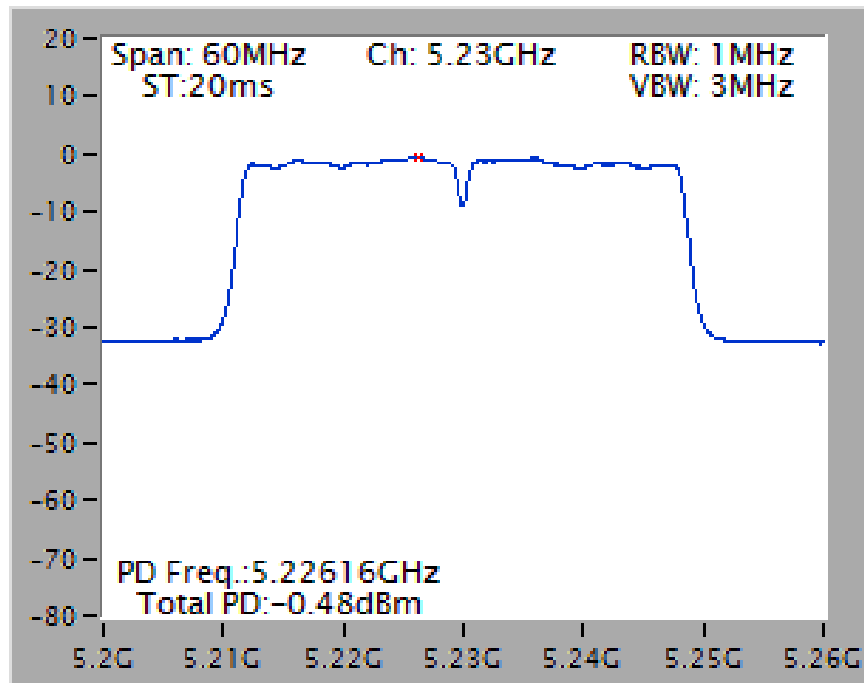
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5240 MHz



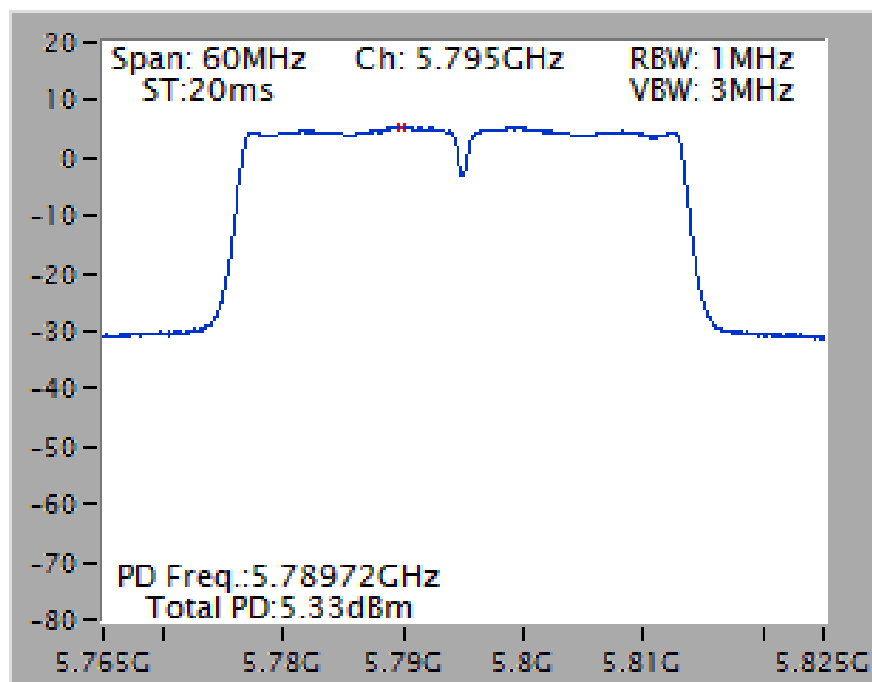
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5785 MHz



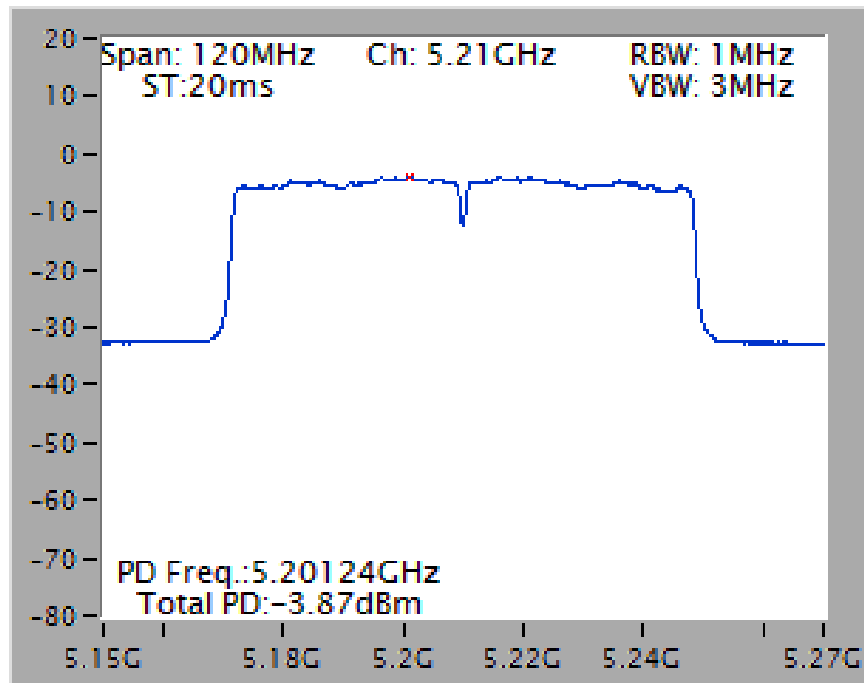
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz



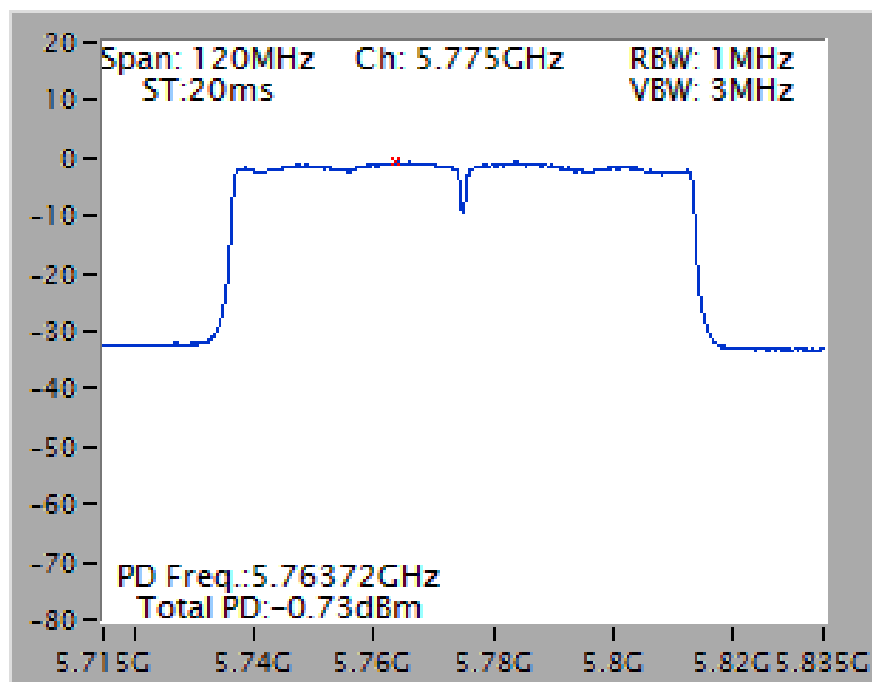
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz

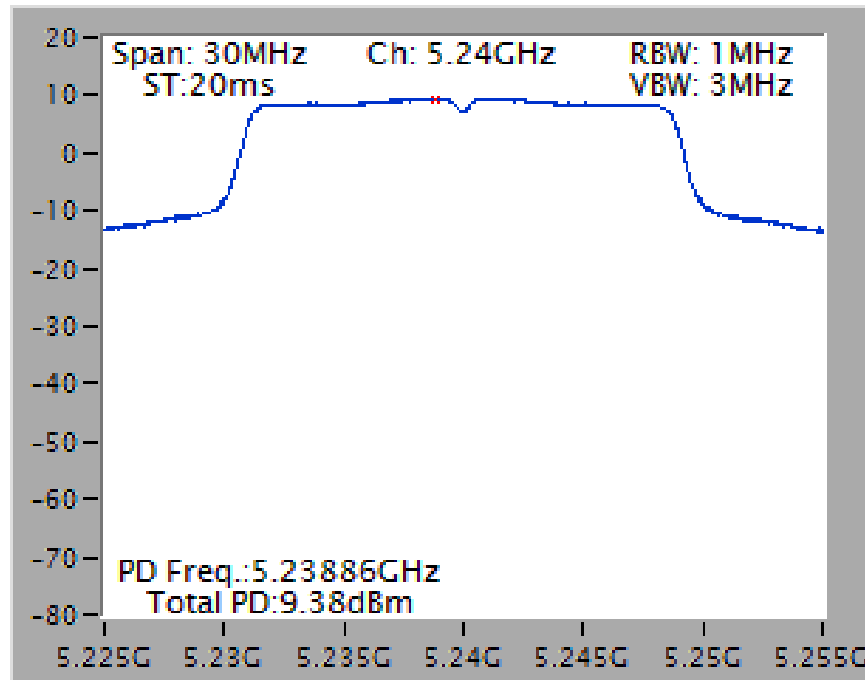


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5775 MHz

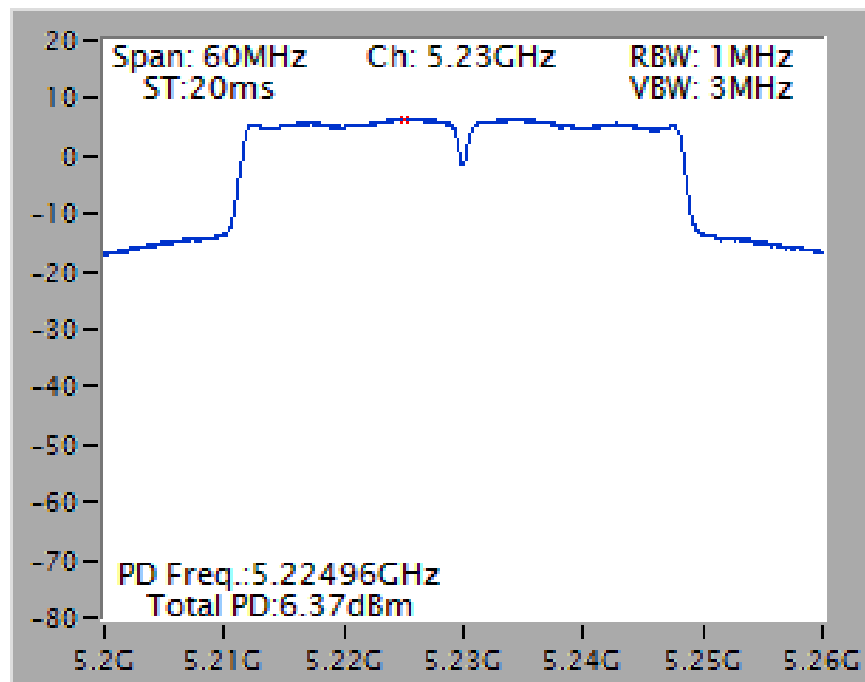


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX) / For indoor use

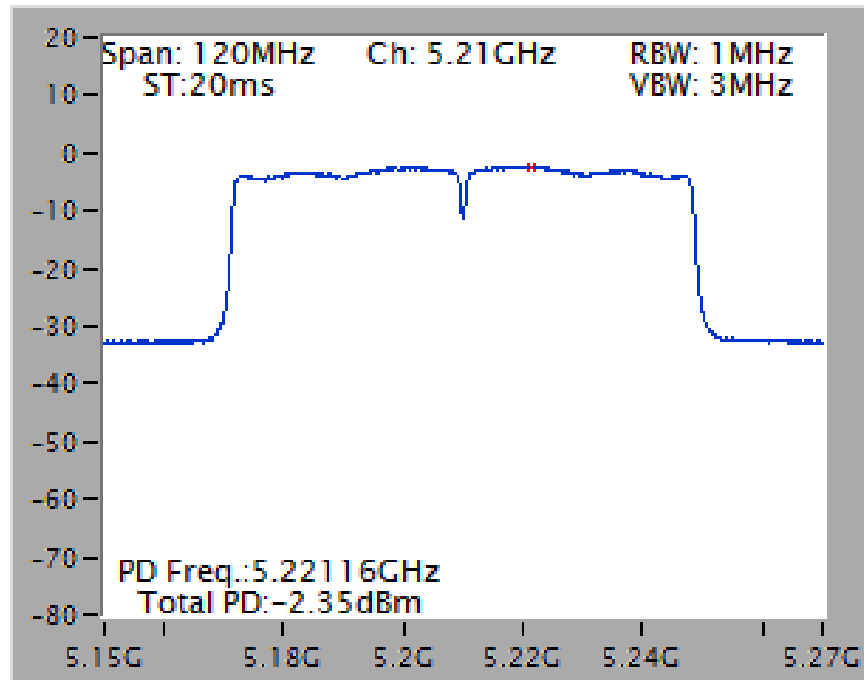
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 5 / 5240 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 5 / 5230 MHz

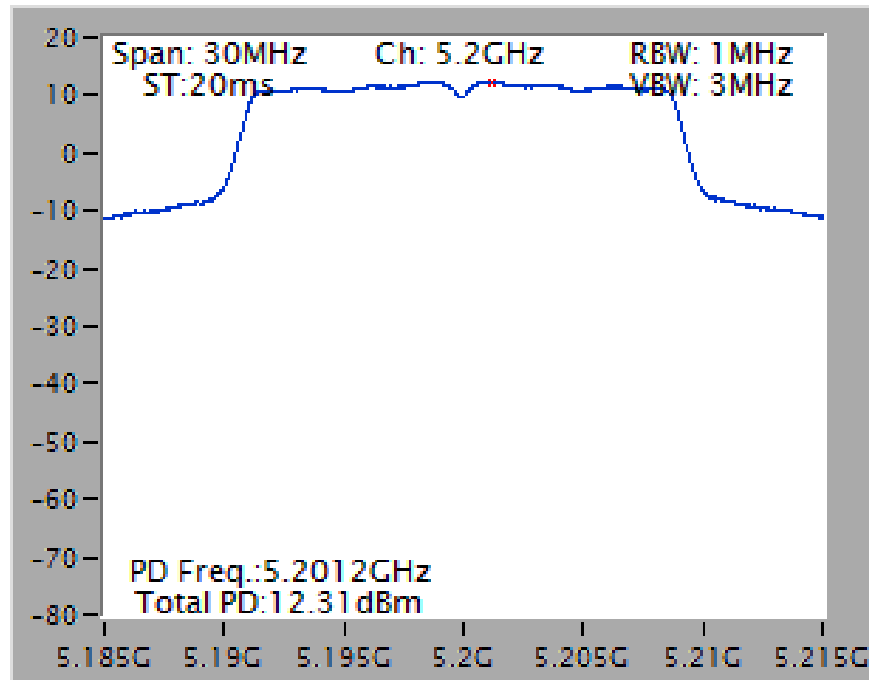


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 5 / 5210 MHz

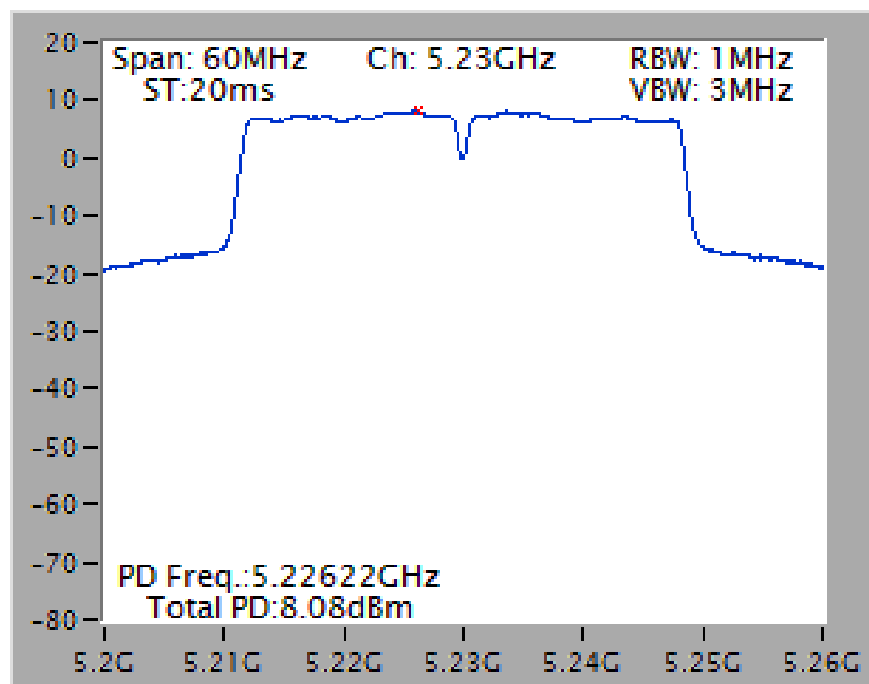


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX) / For indoor use

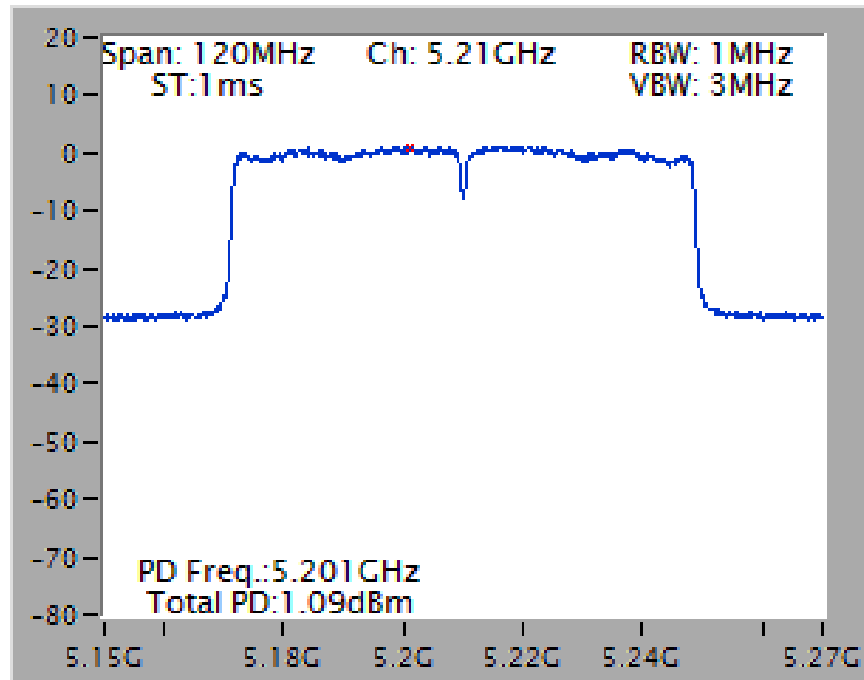
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5230 MHz

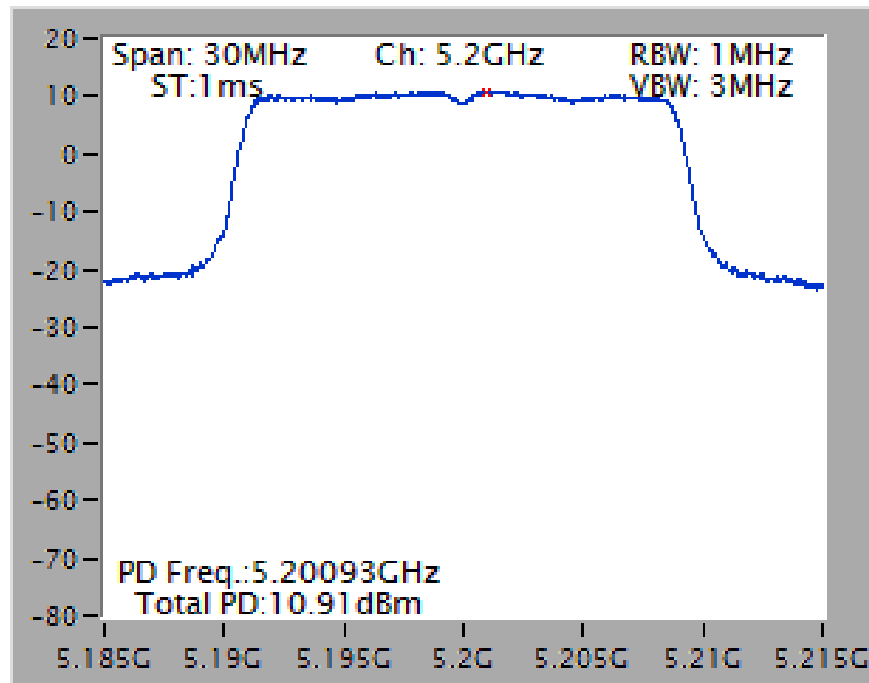


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5210 MHz

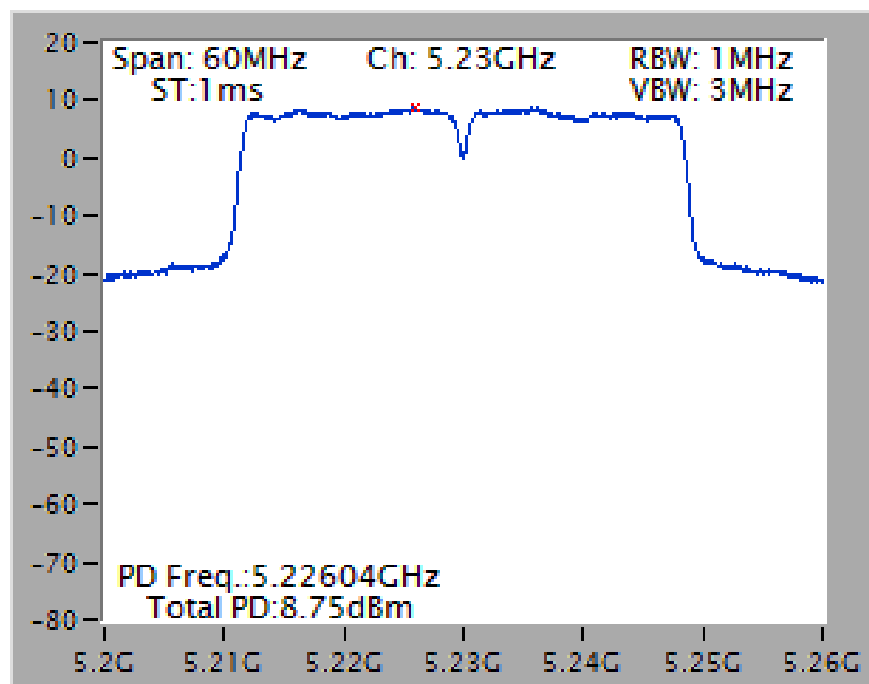


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX) / For indoor use

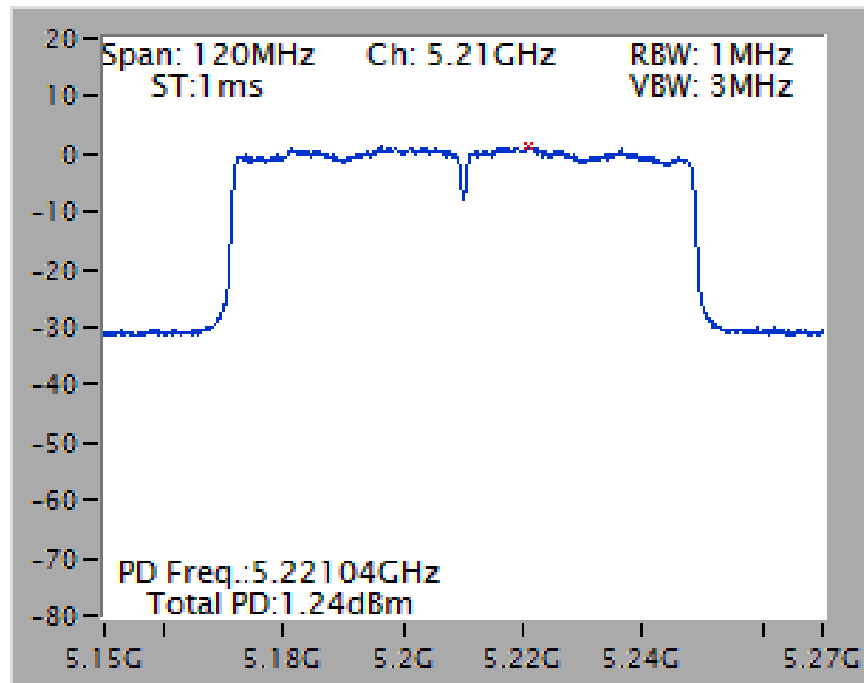
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz

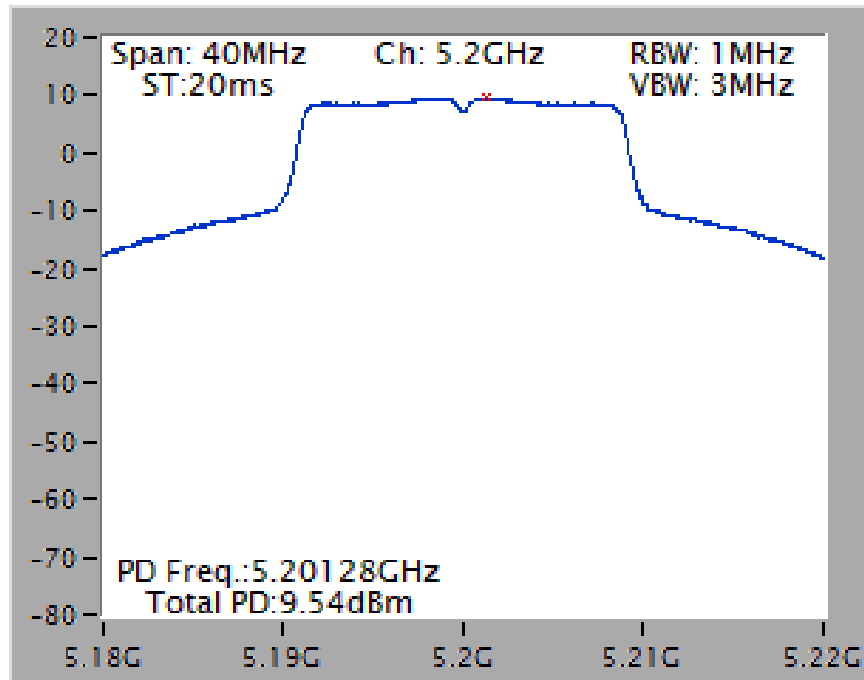


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz

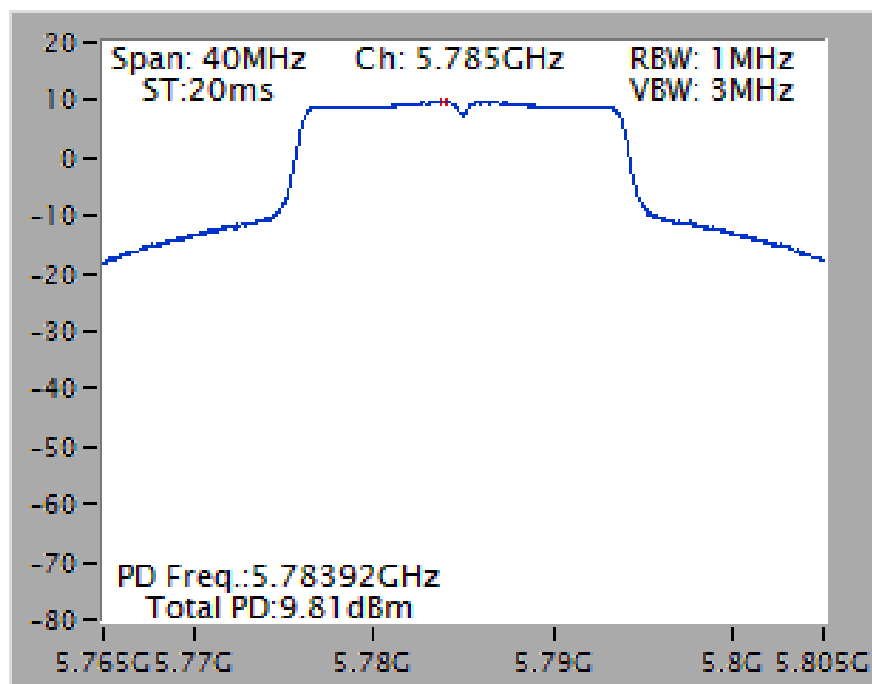


Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)

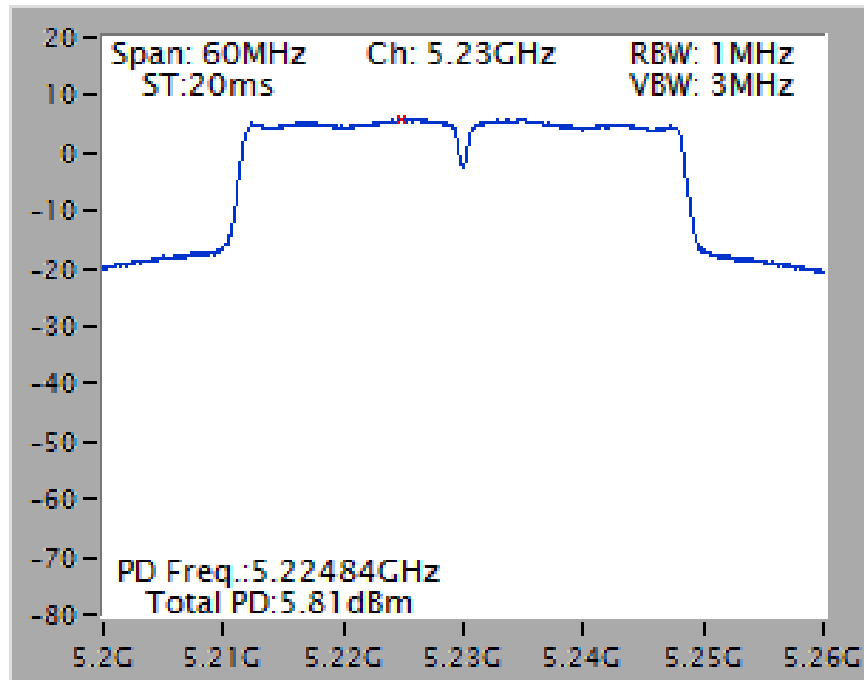
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 / 5200 MHz



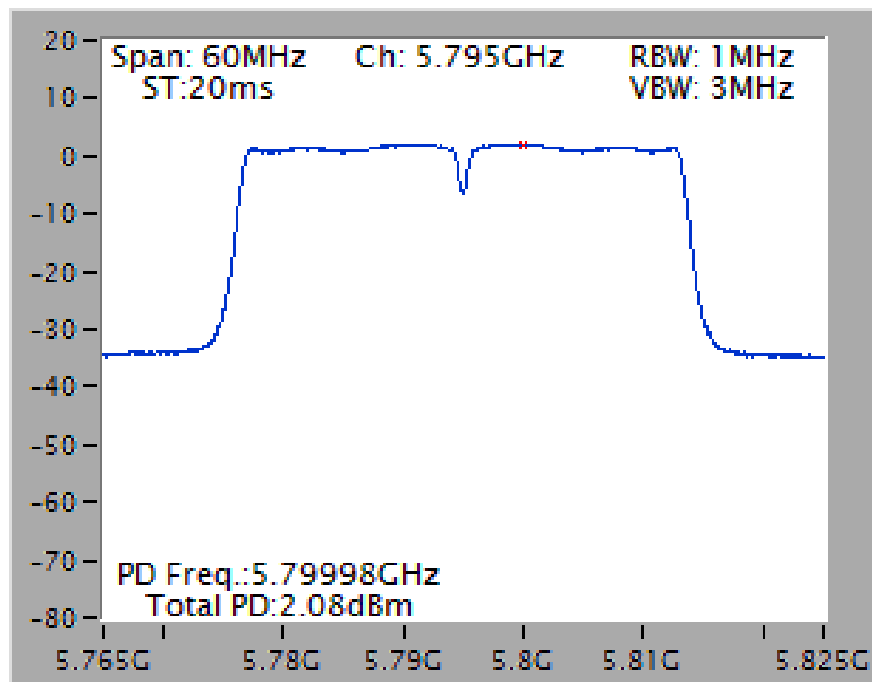
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 / 5785 MHz



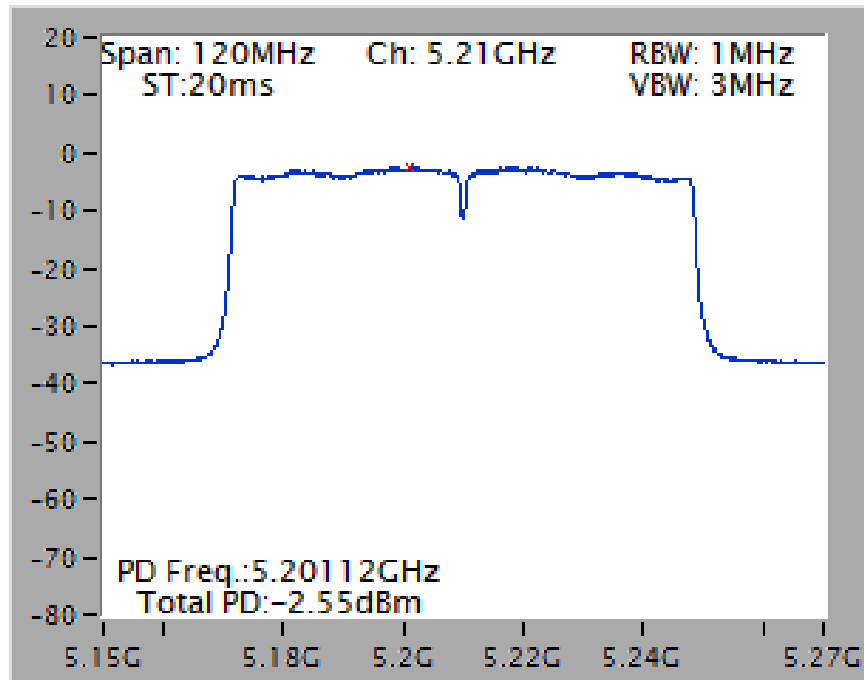
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 / 5230 MHz



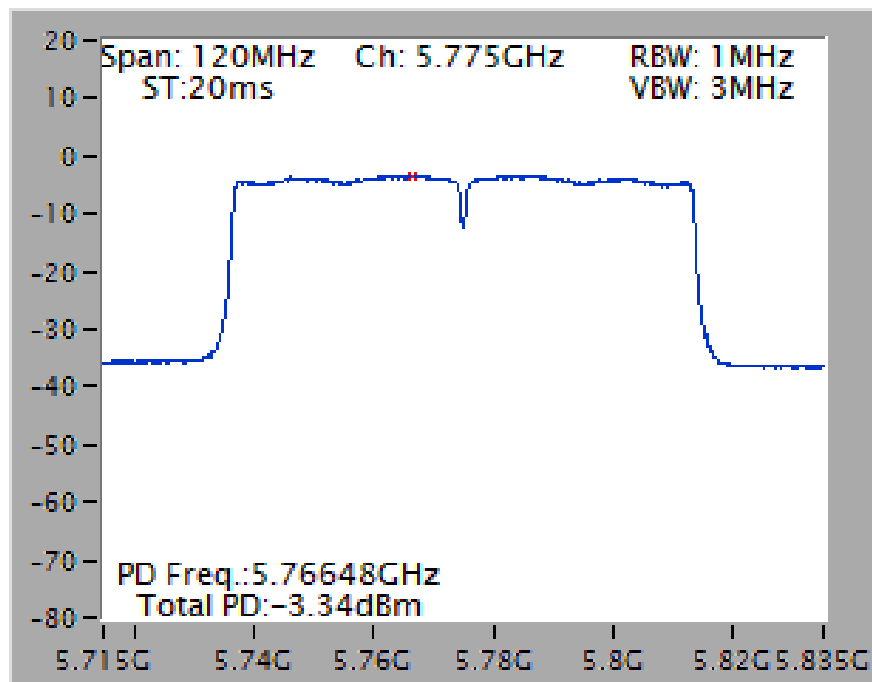
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 / 5795 MHz



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

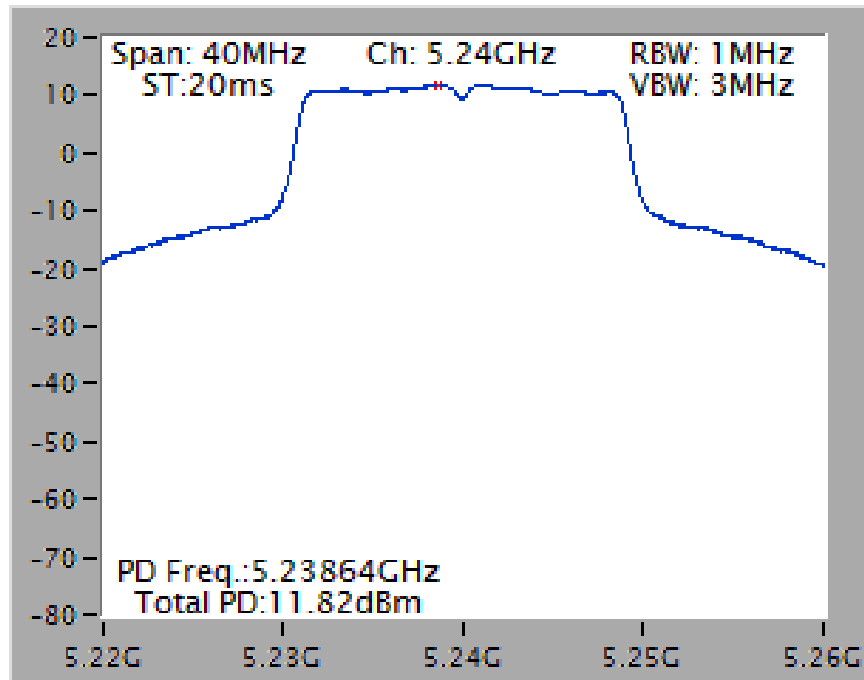


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 / 5775 MHz

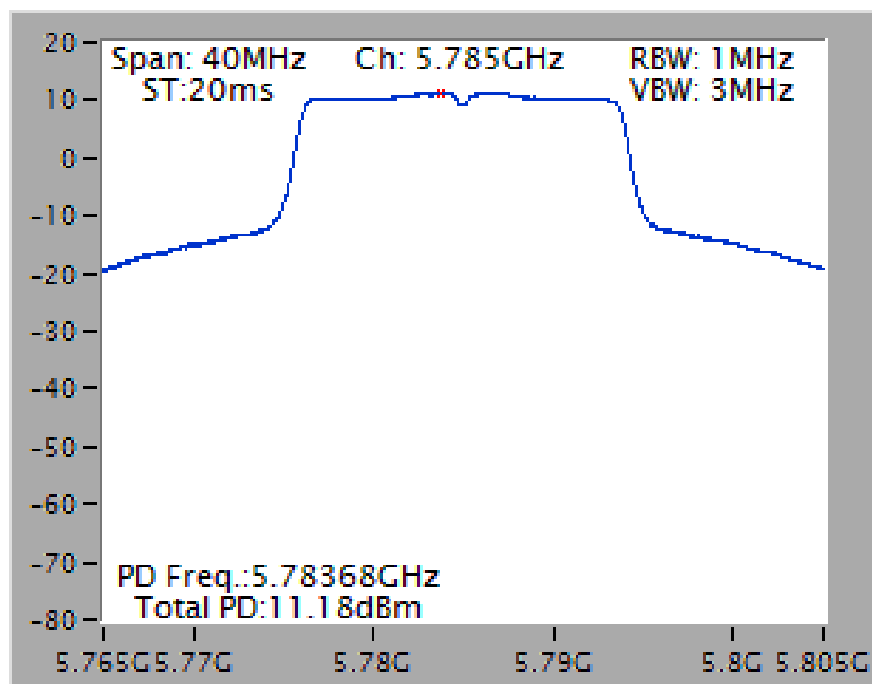


Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)

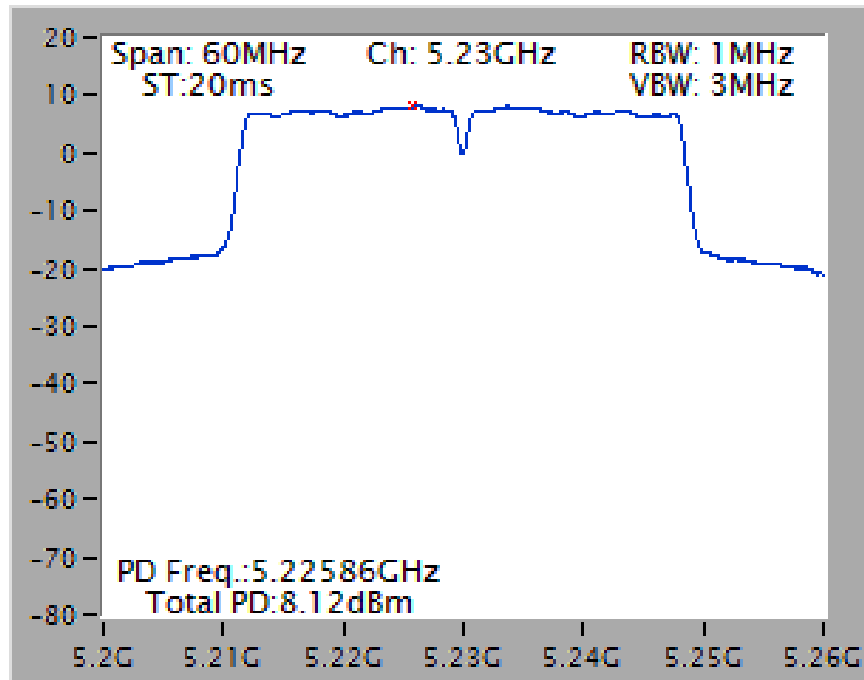
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5240 MHz



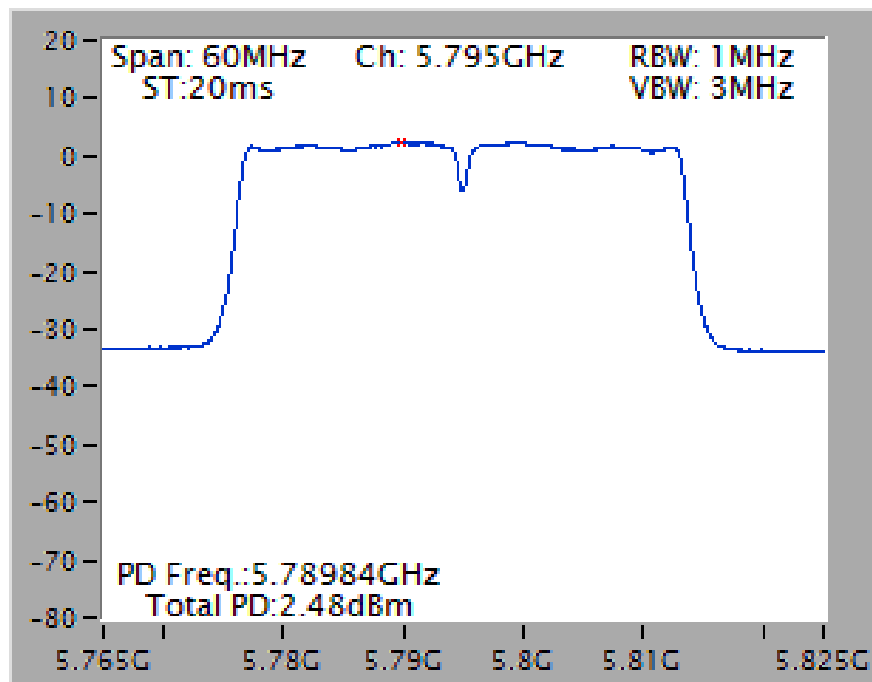
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5785 MHz



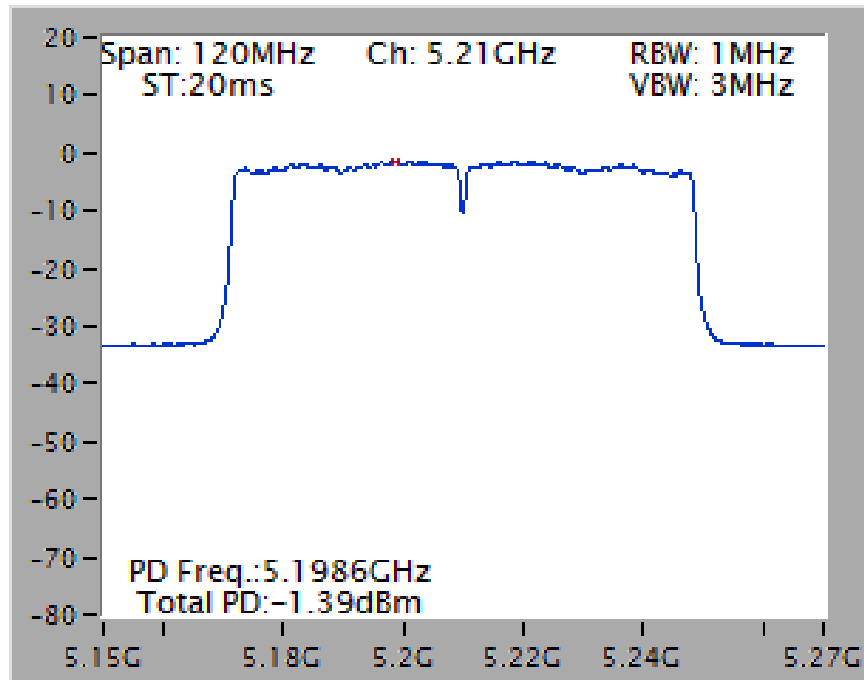
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5230 MHz



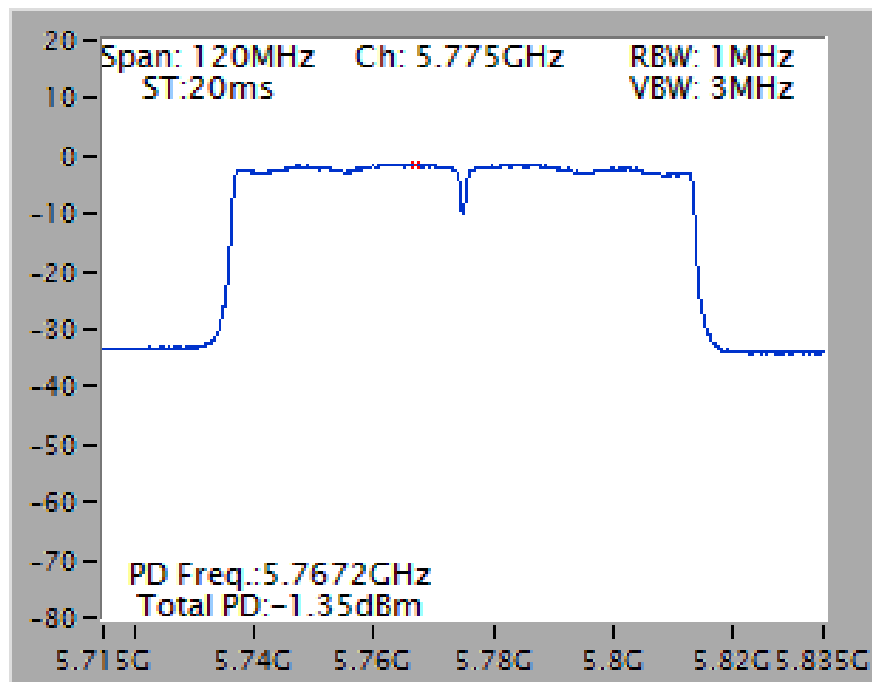
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5210 MHz

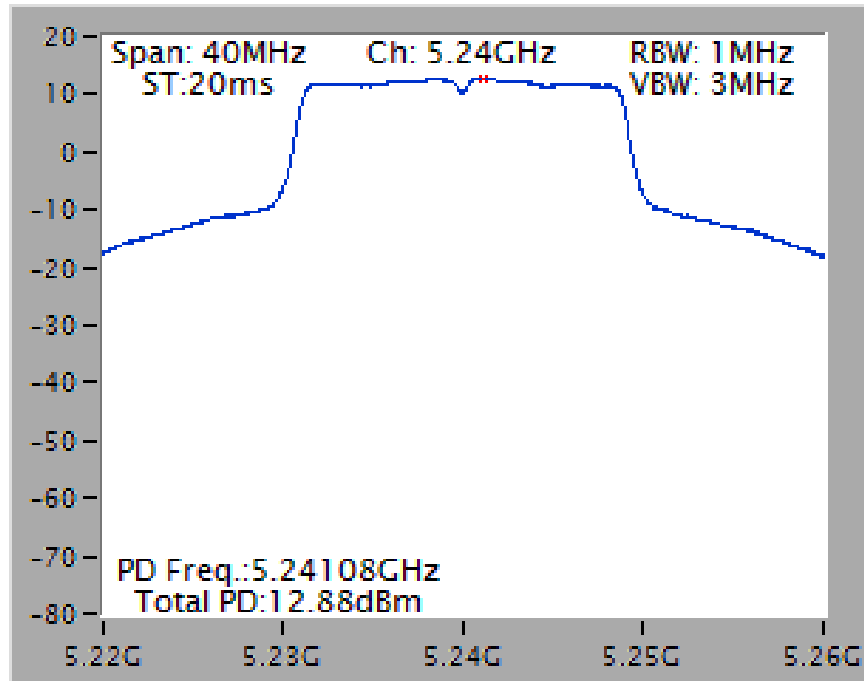


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5775 MHz

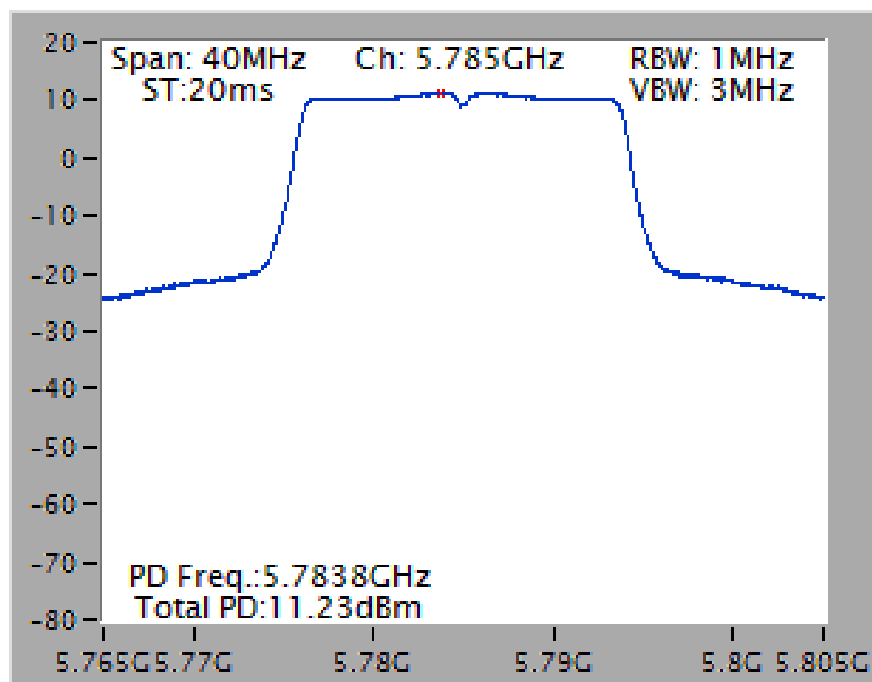


Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)

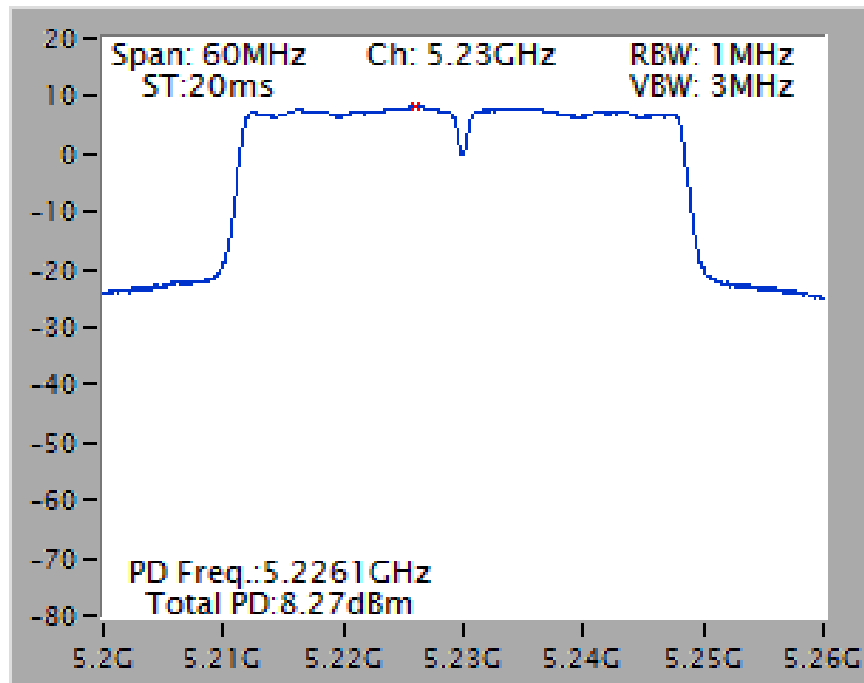
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 / 5240 MHz



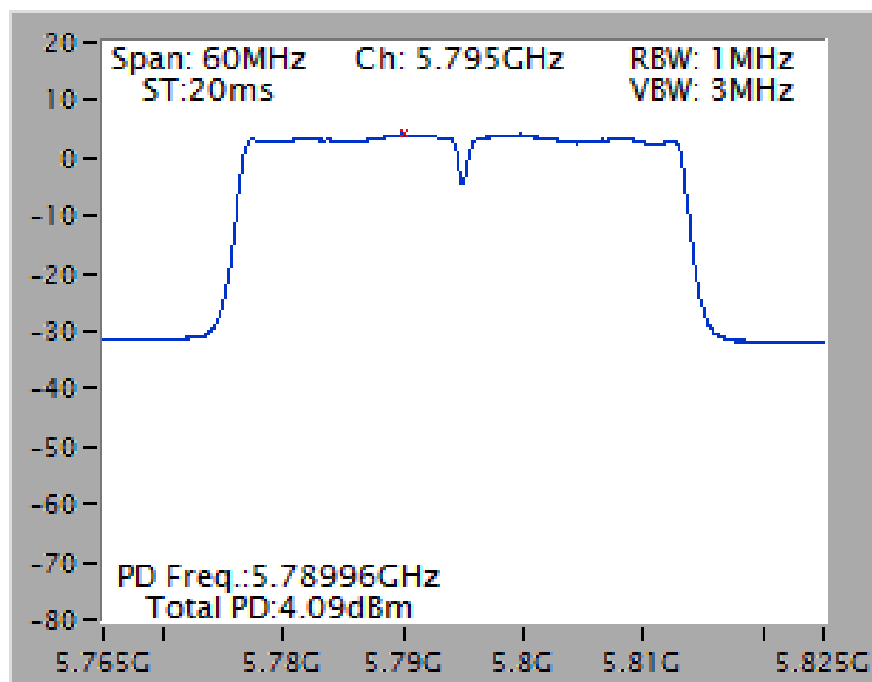
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 / 5785 MHz



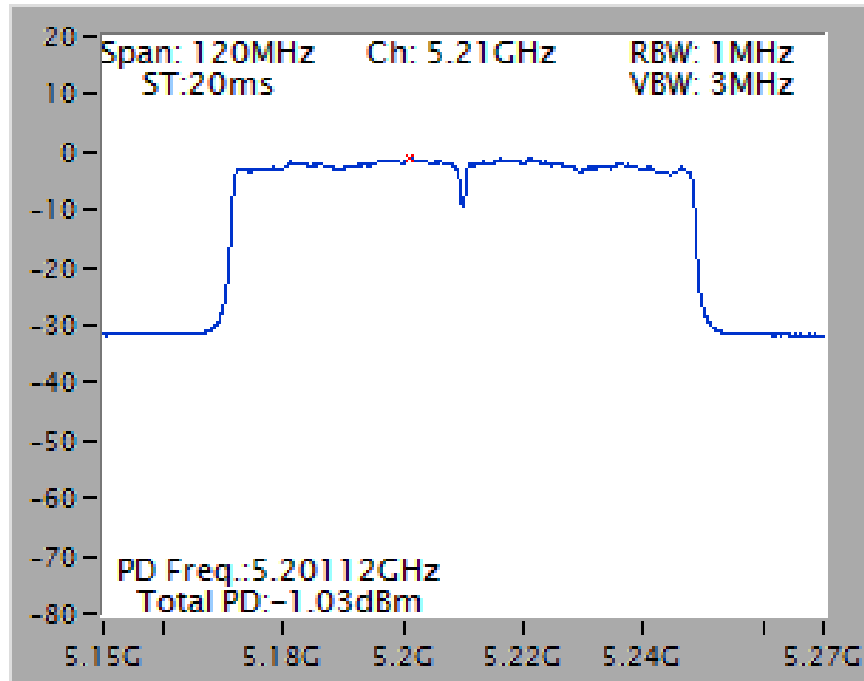
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz



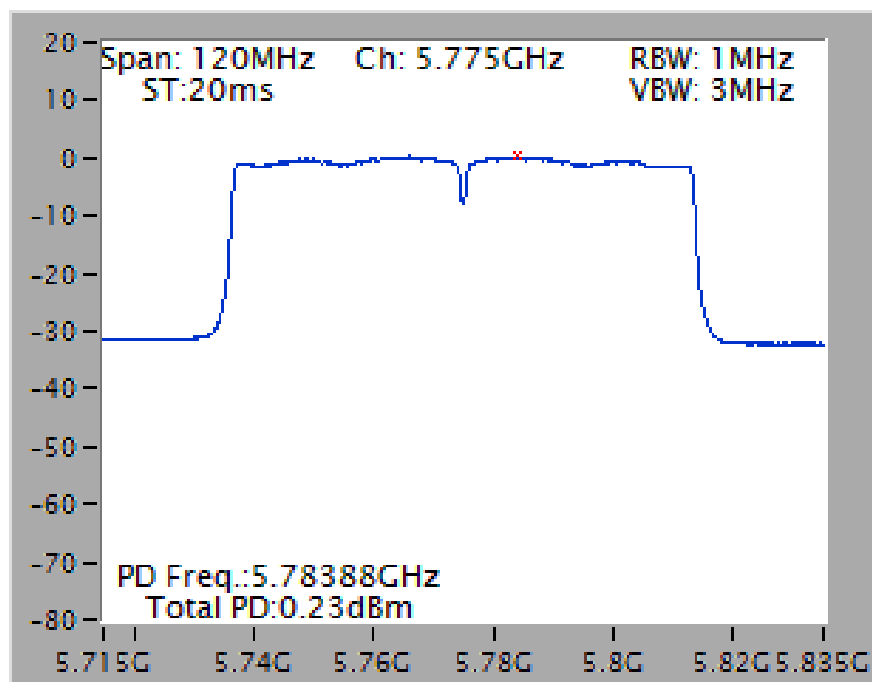
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz

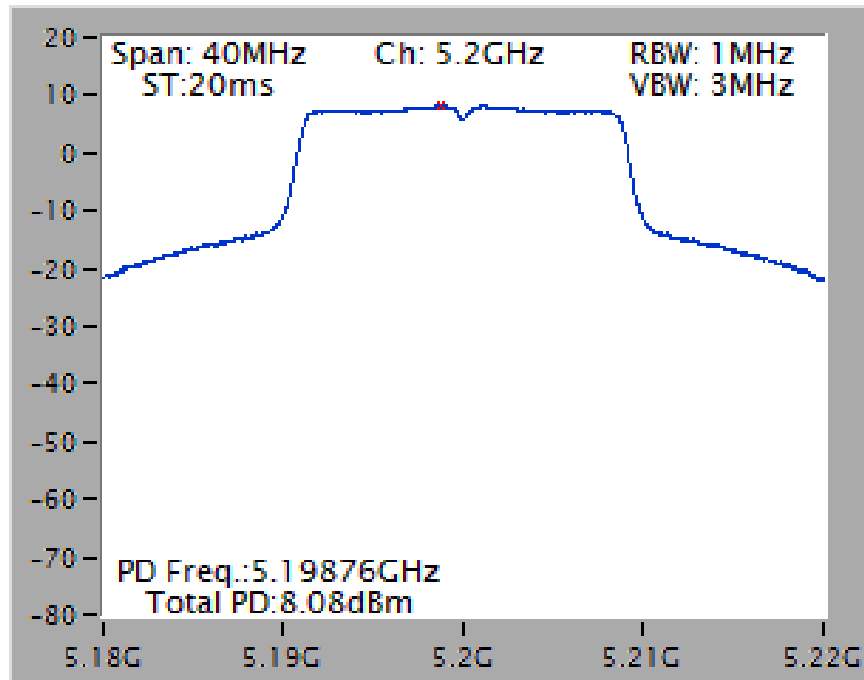


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5775 MHz

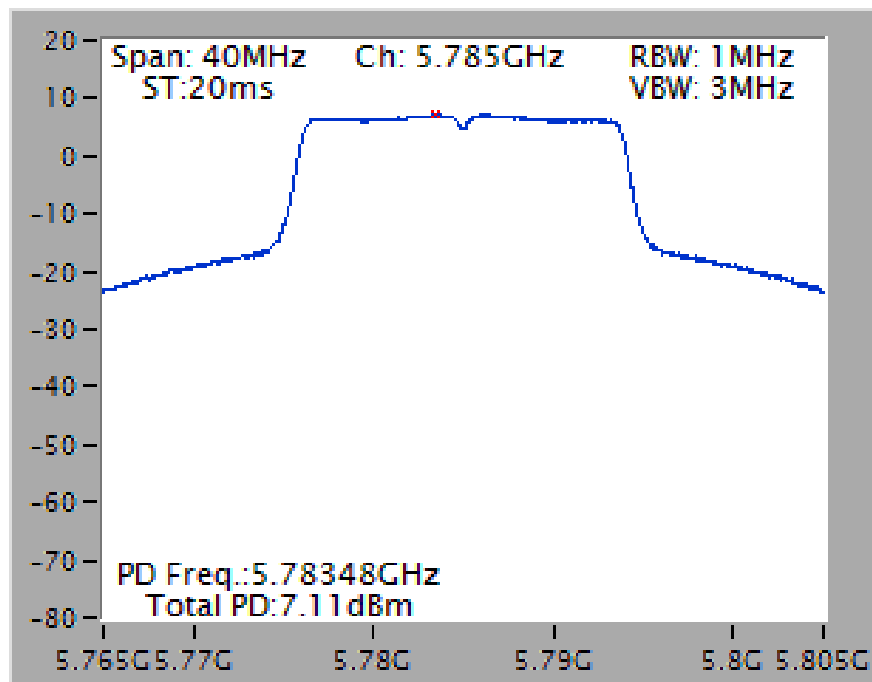


Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)

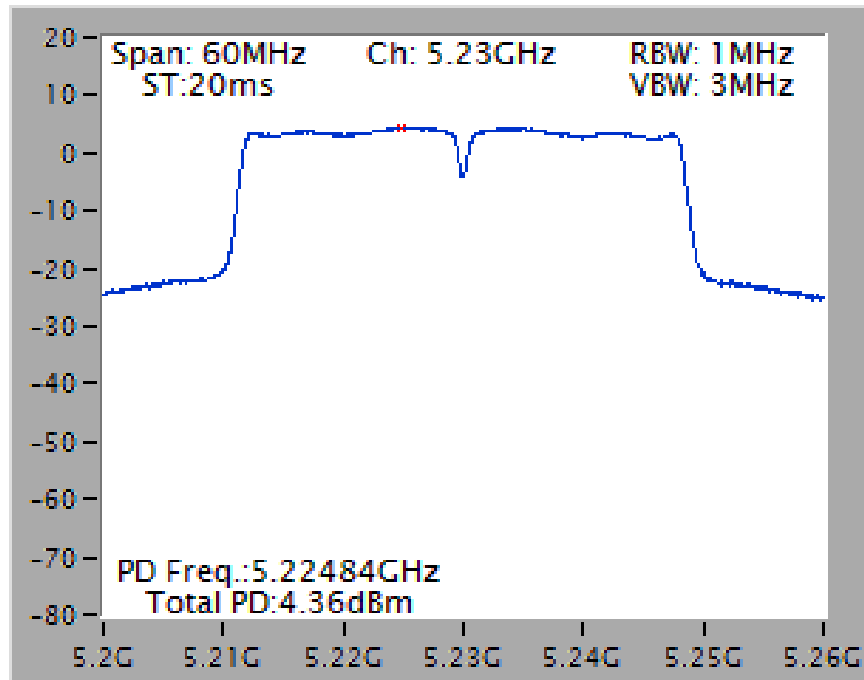
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 / 5200 MHz



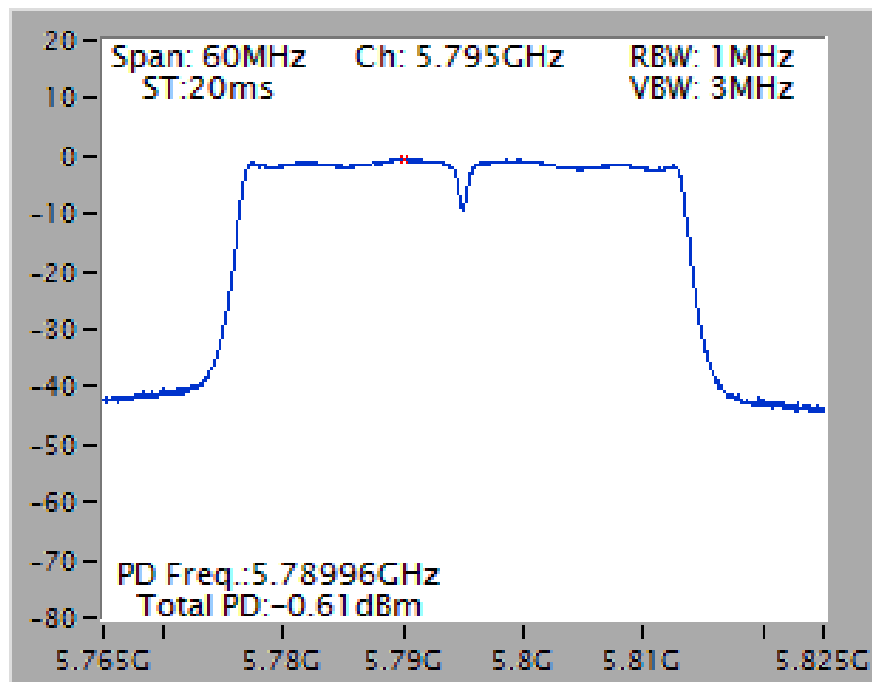
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 / 5785 MHz



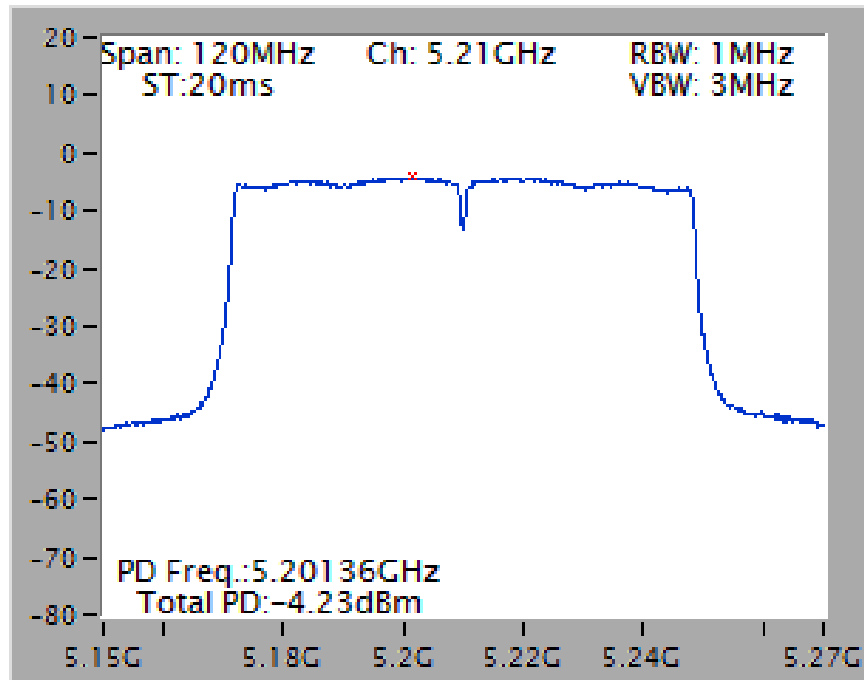
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 / 5230 MHz



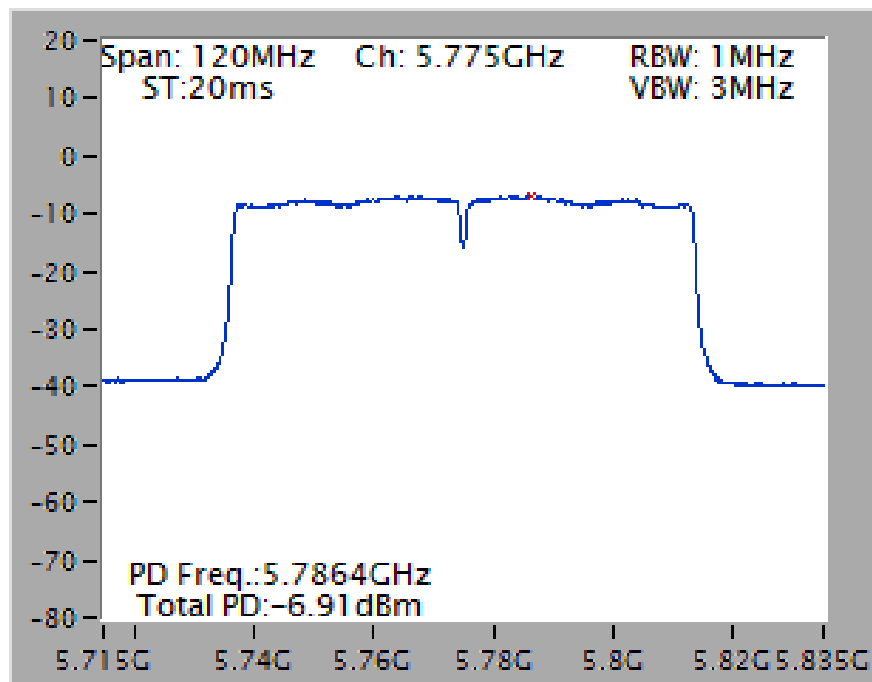
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 / 5795 MHz



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

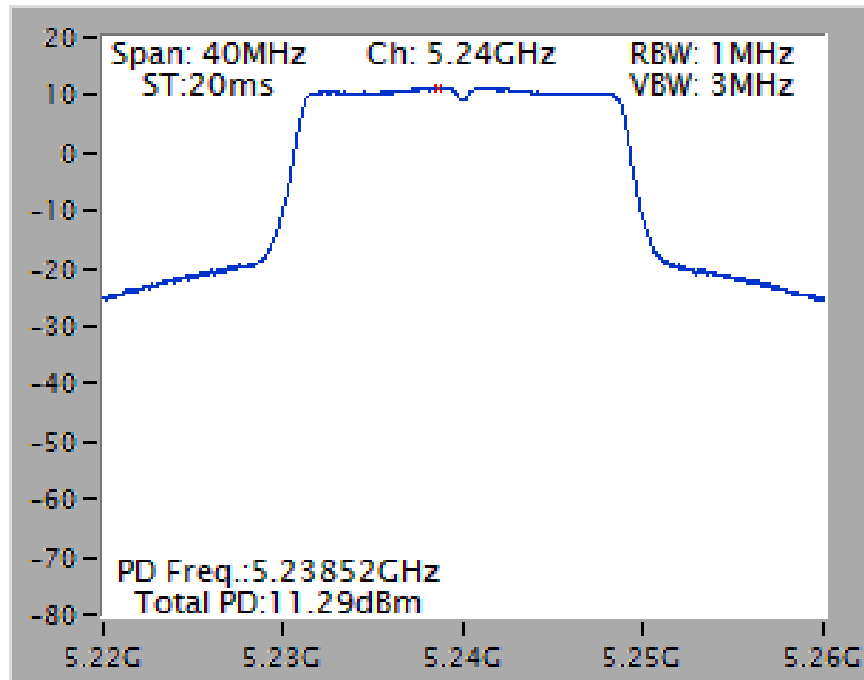


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 / 5775 MHz

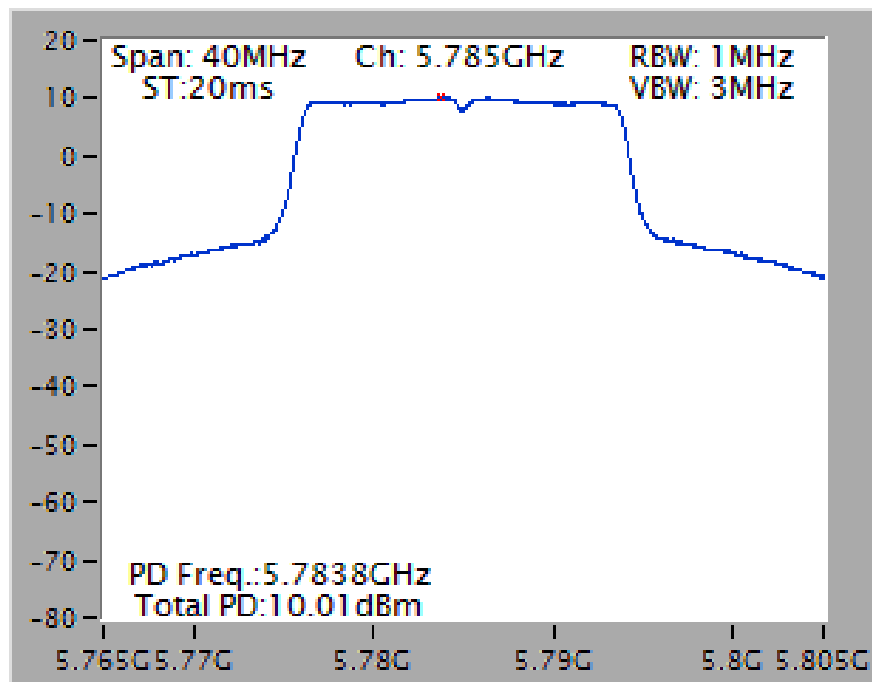


Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)

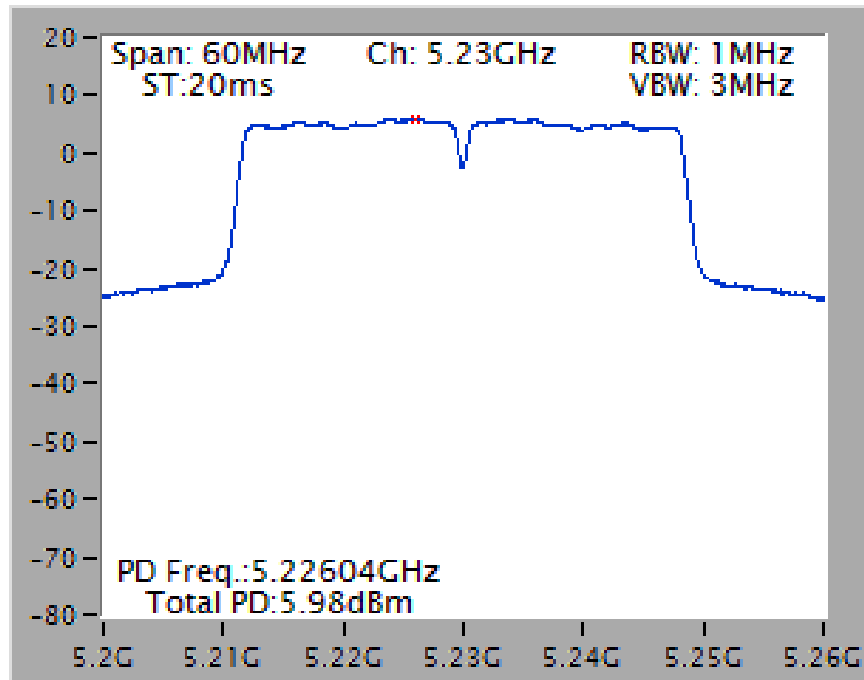
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5240 MHz



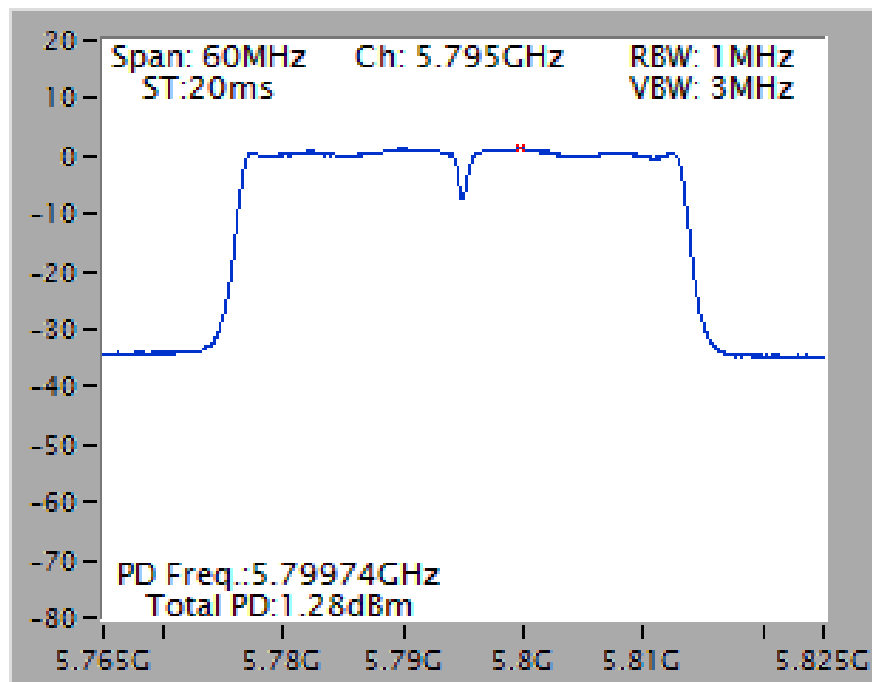
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5785 MHz



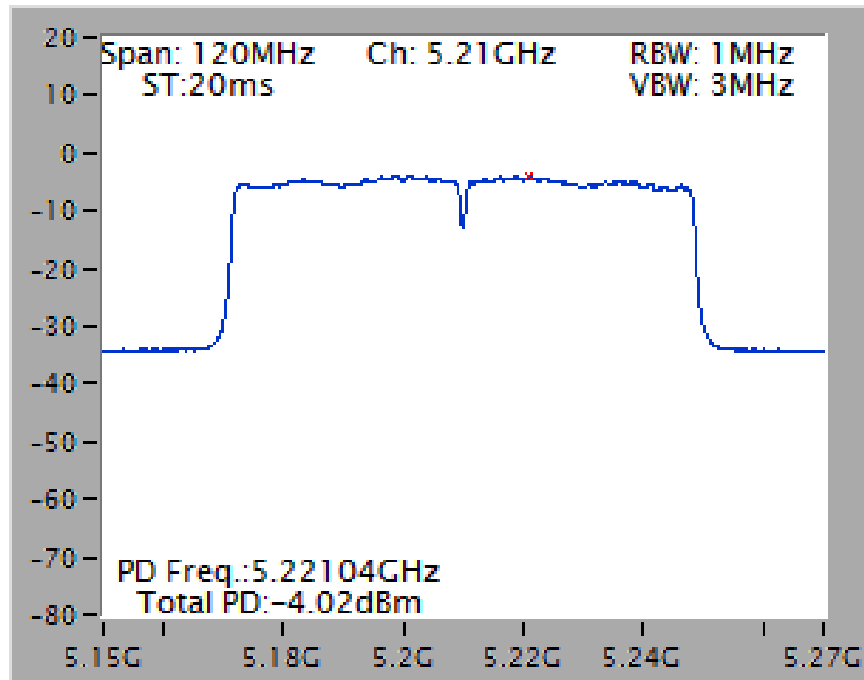
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5230 MHz



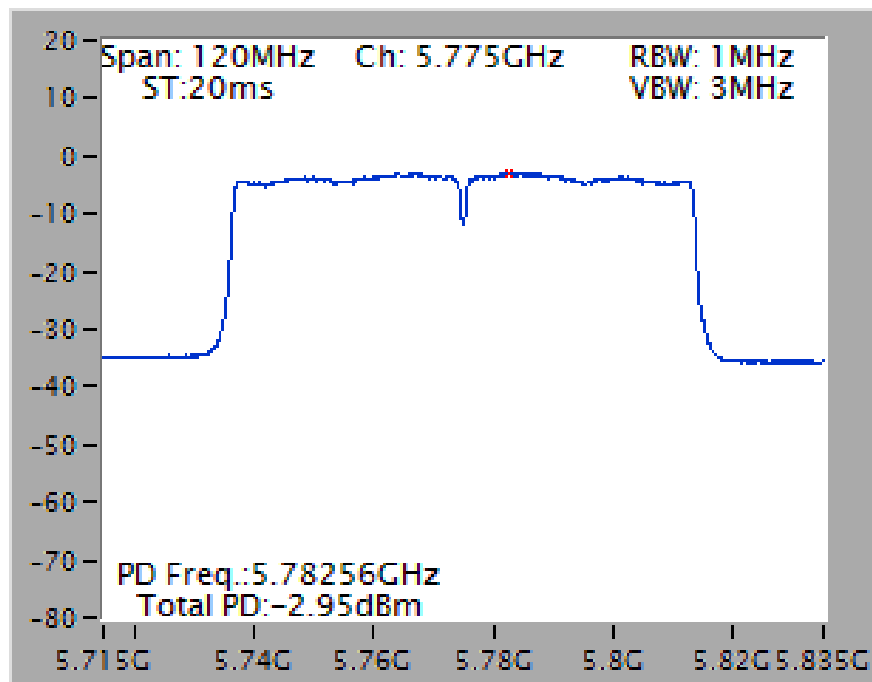
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5795 MHz



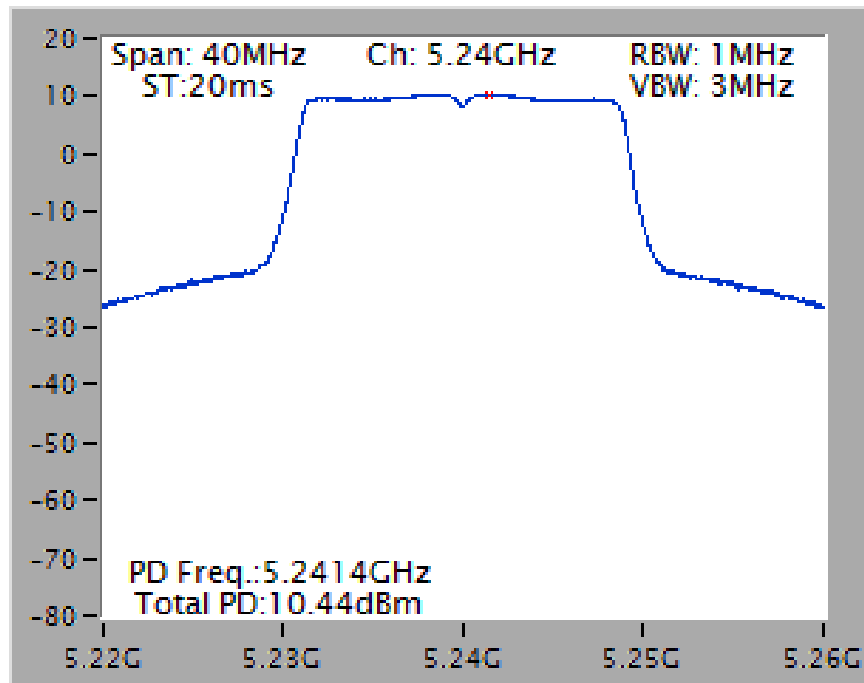
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5210 MHz



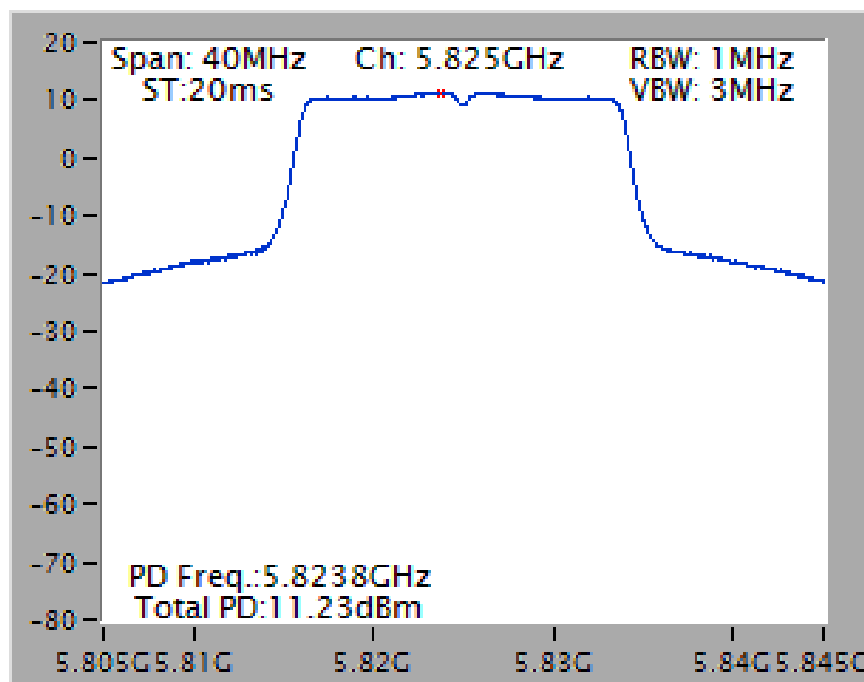
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5775 MHz



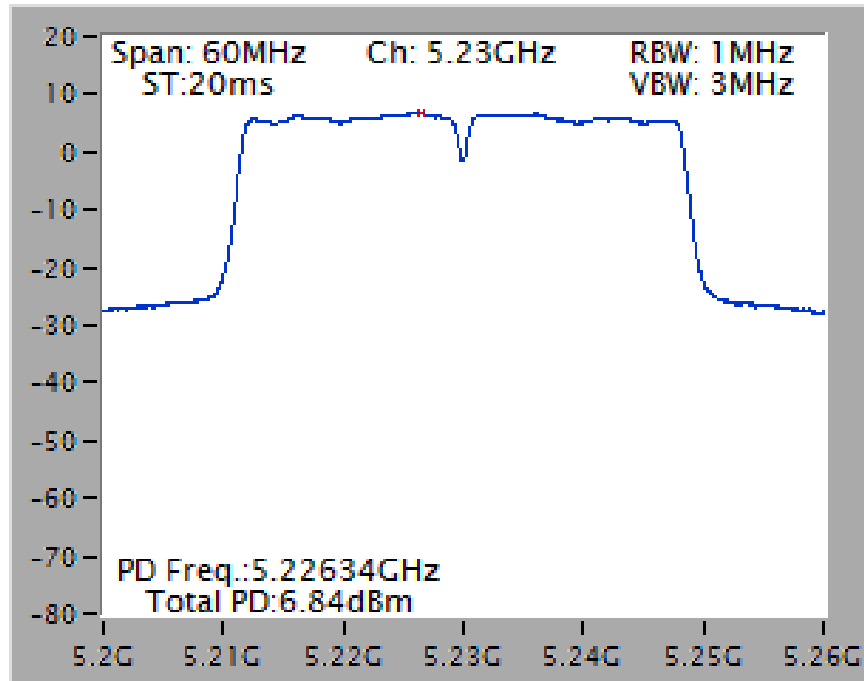
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5240 MHz



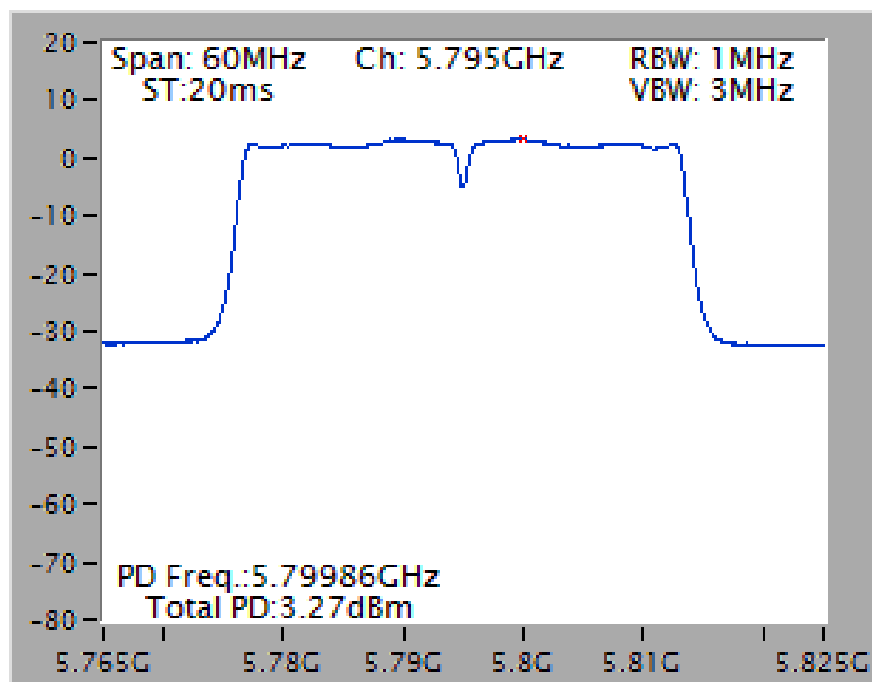
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5825 MHz



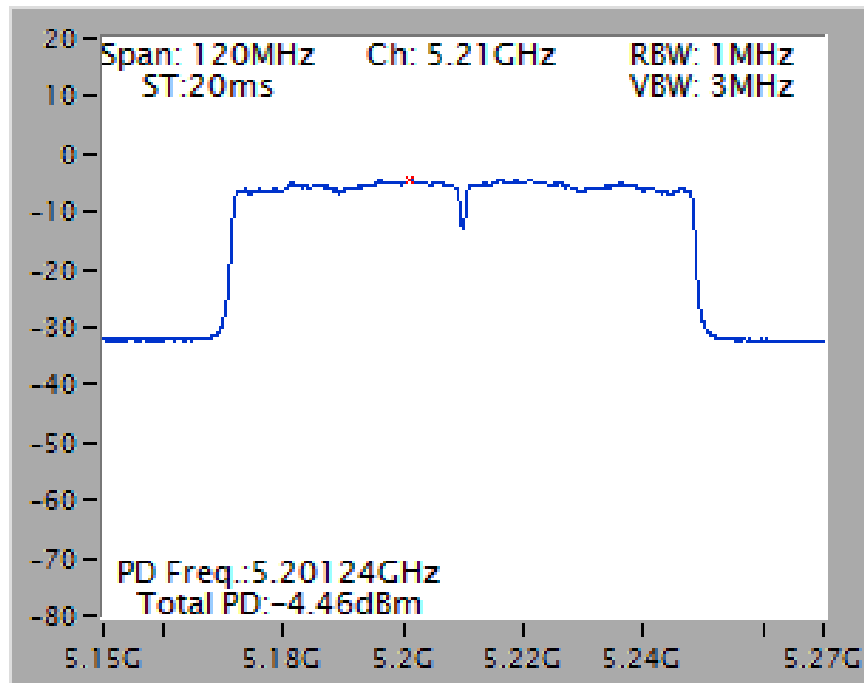
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz



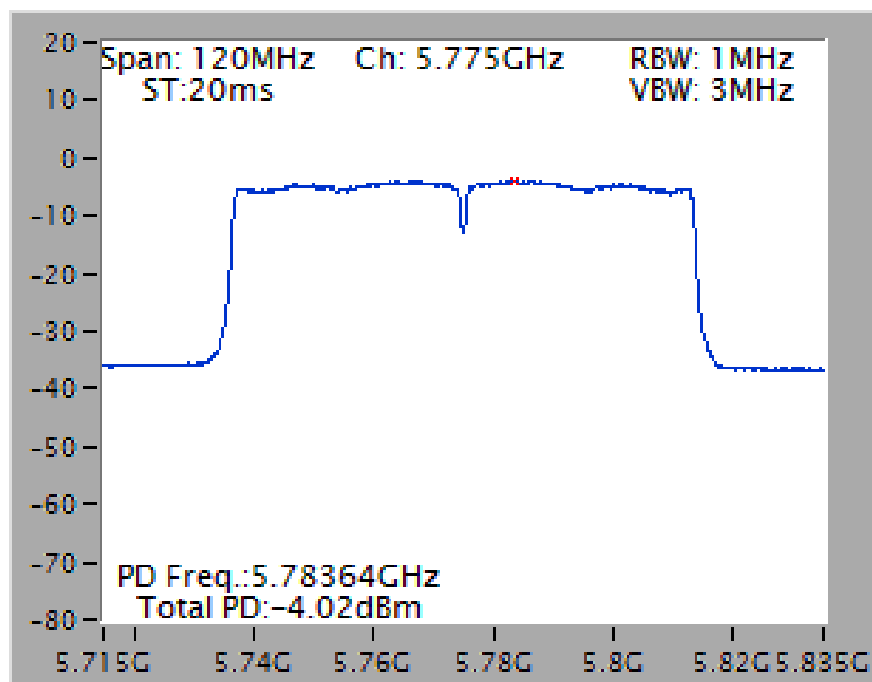
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz



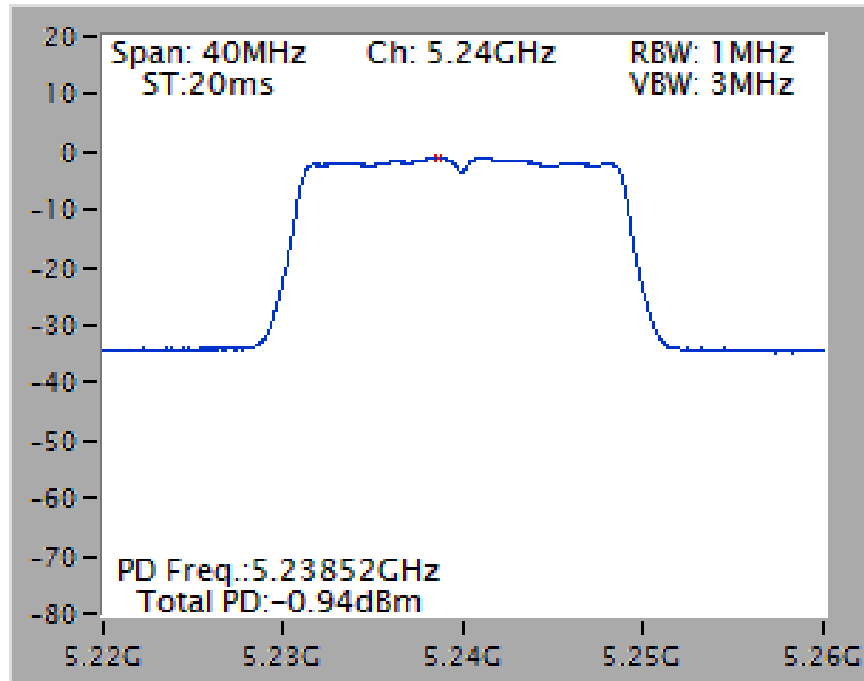
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5775 MHz



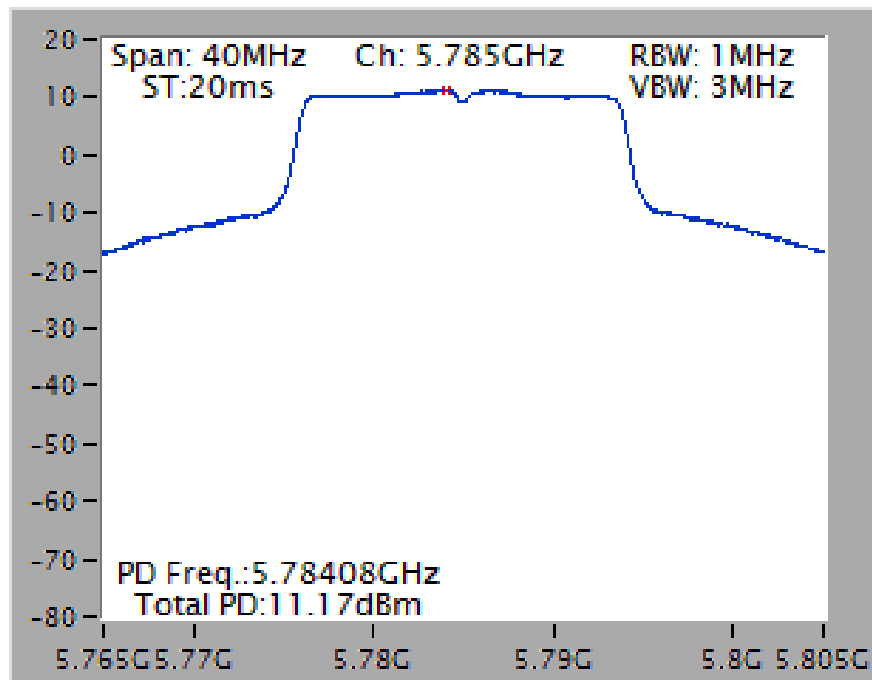
<For Beamforming Mode>

Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX) / For outdoor use

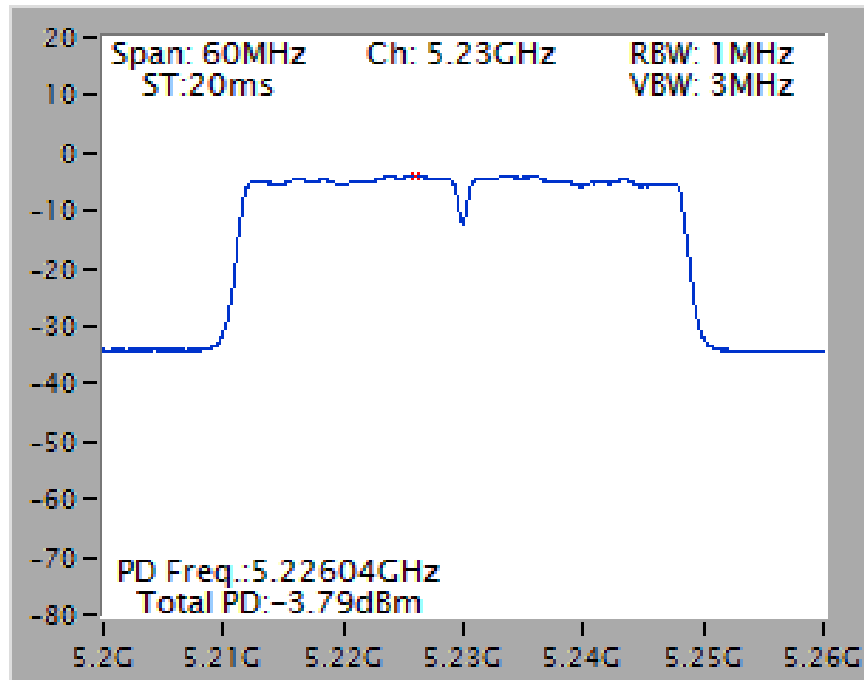
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5240 MHz



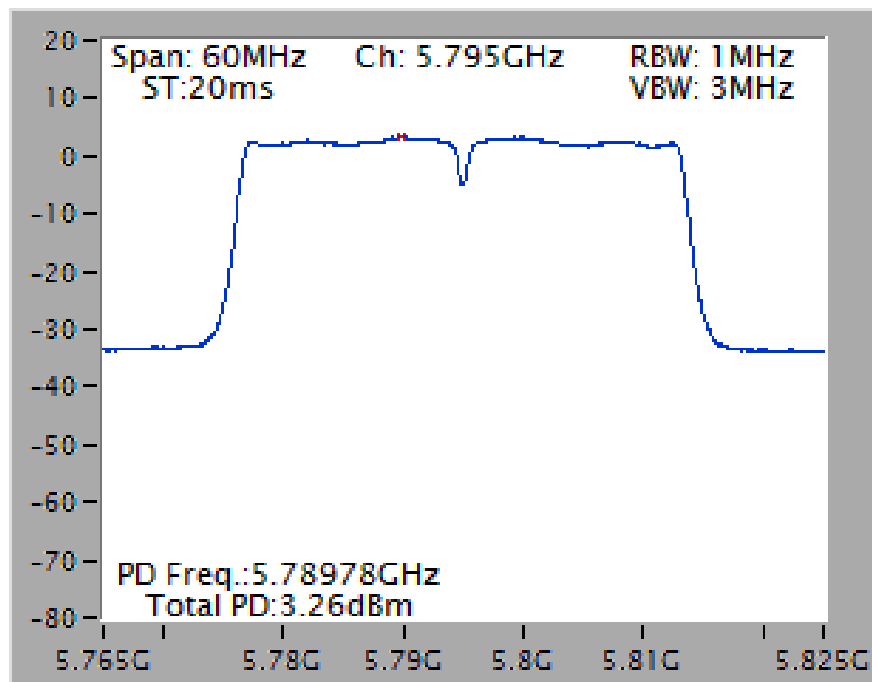
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5785 MHz



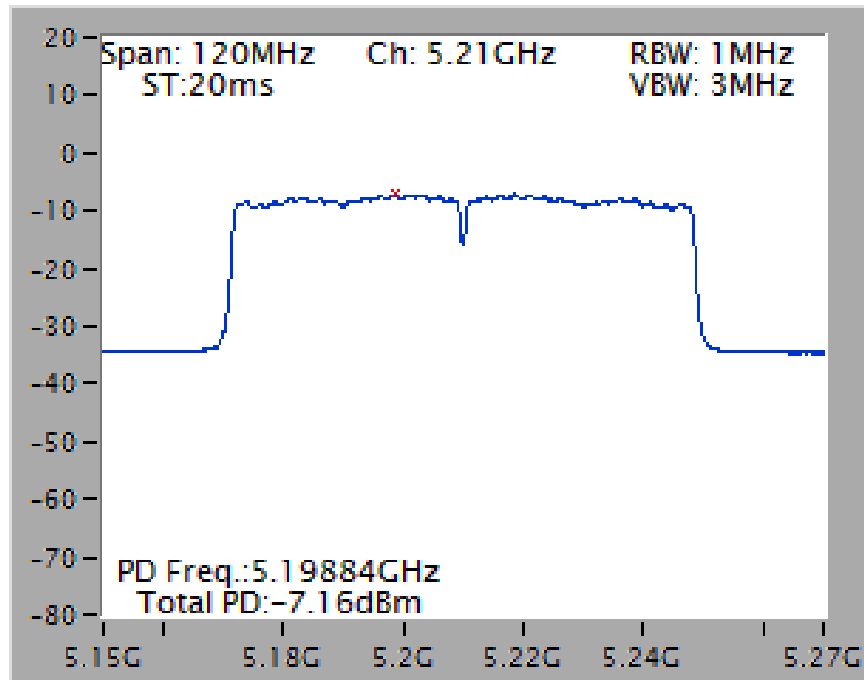
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5230 MHz



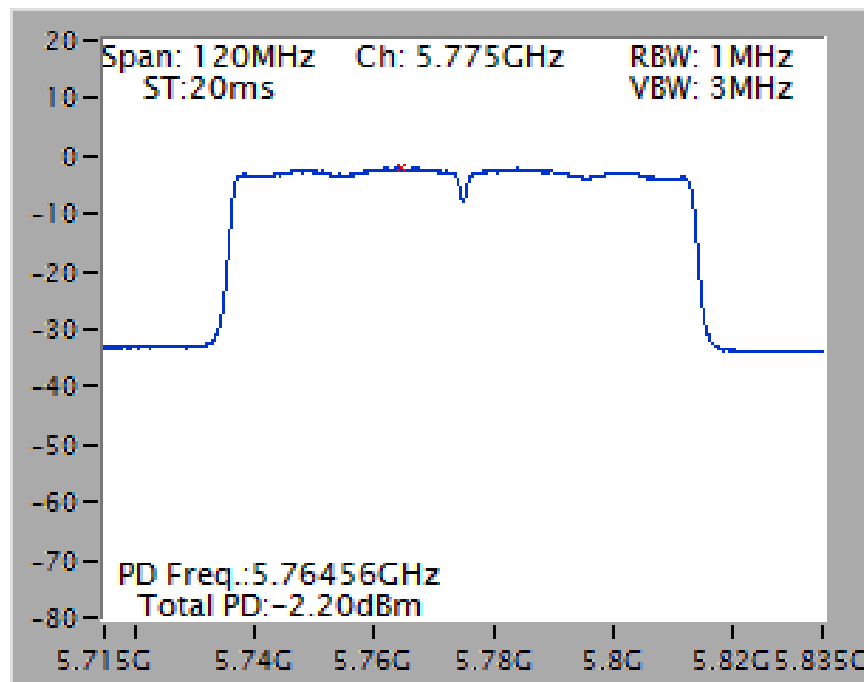
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5210 MHz

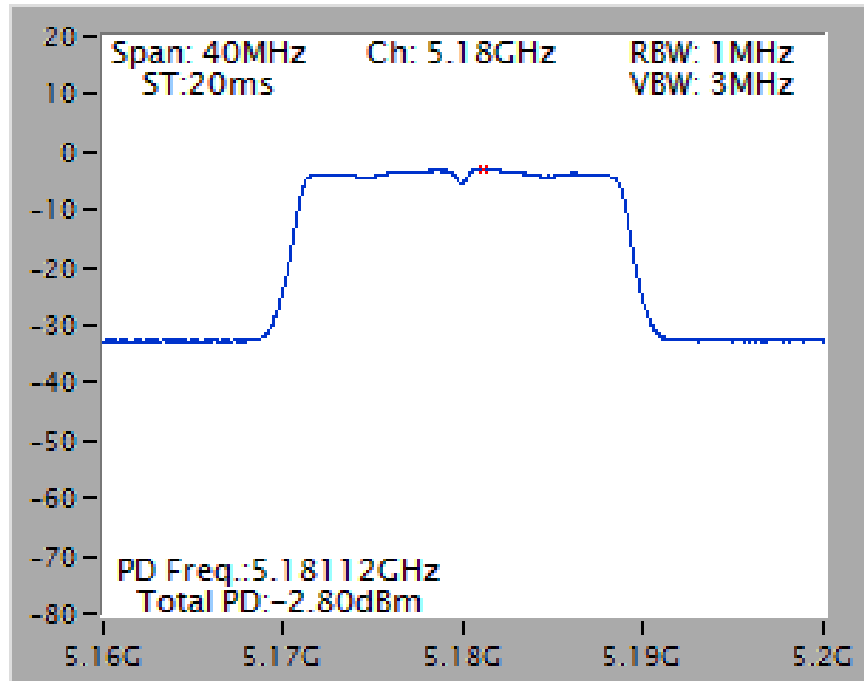


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5775 MHz

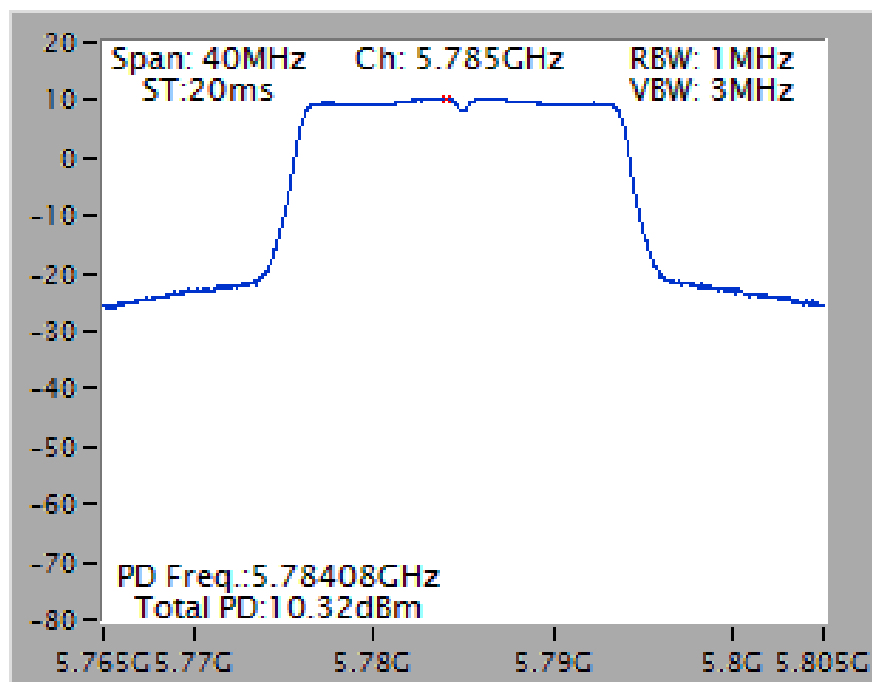


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX) / For outdoor use

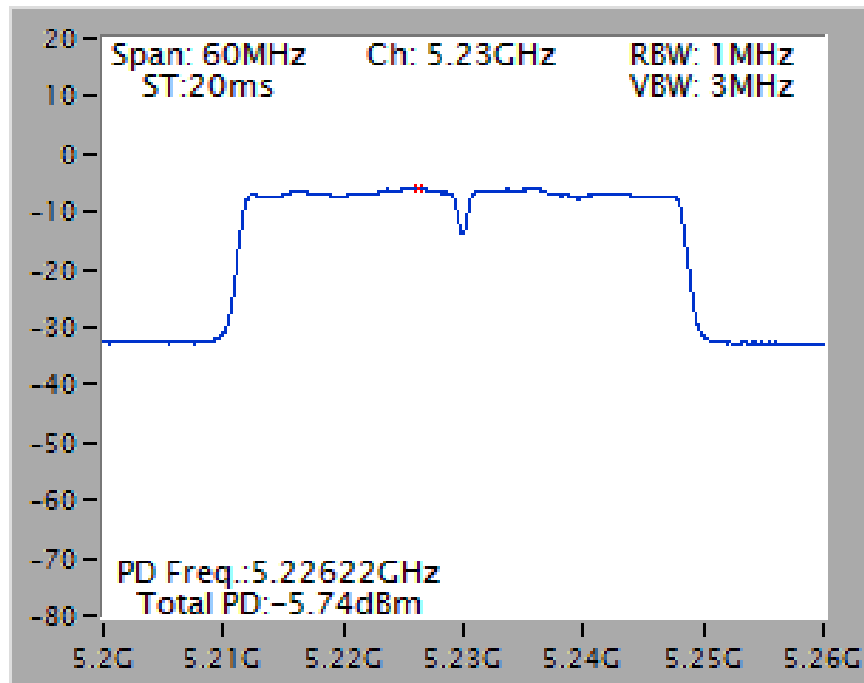
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5180 MHz



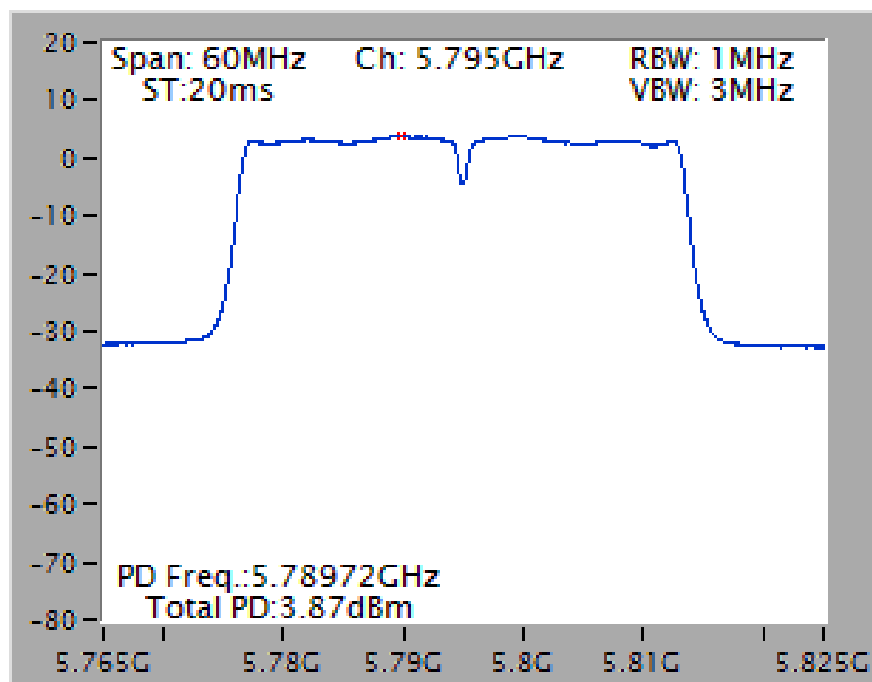
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5785 MHz



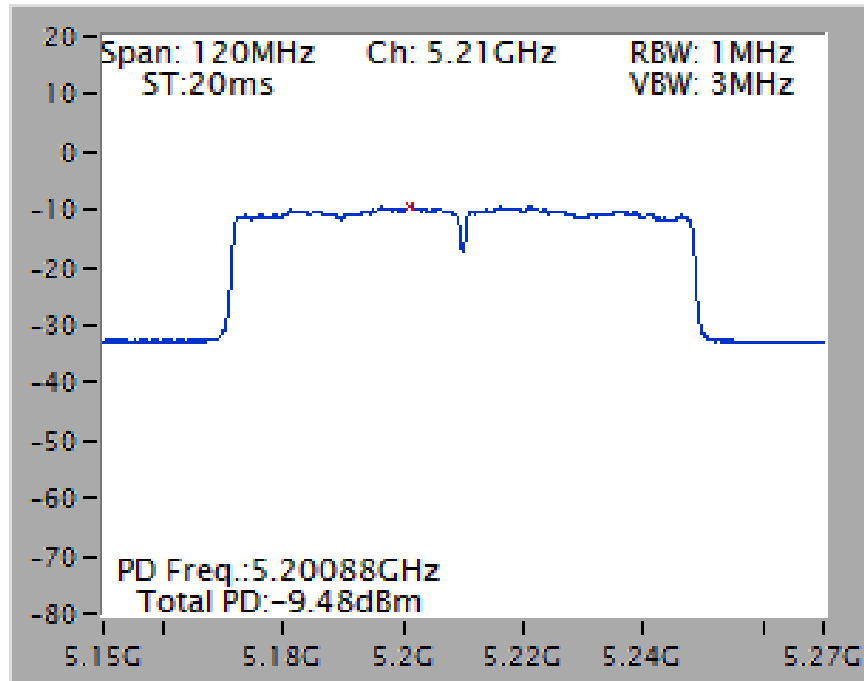
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz



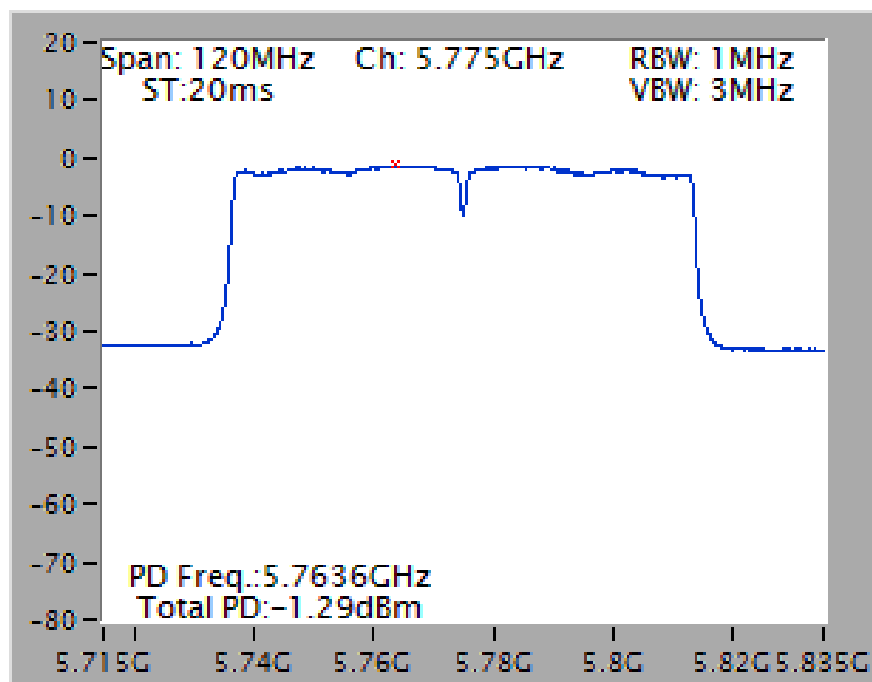
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz

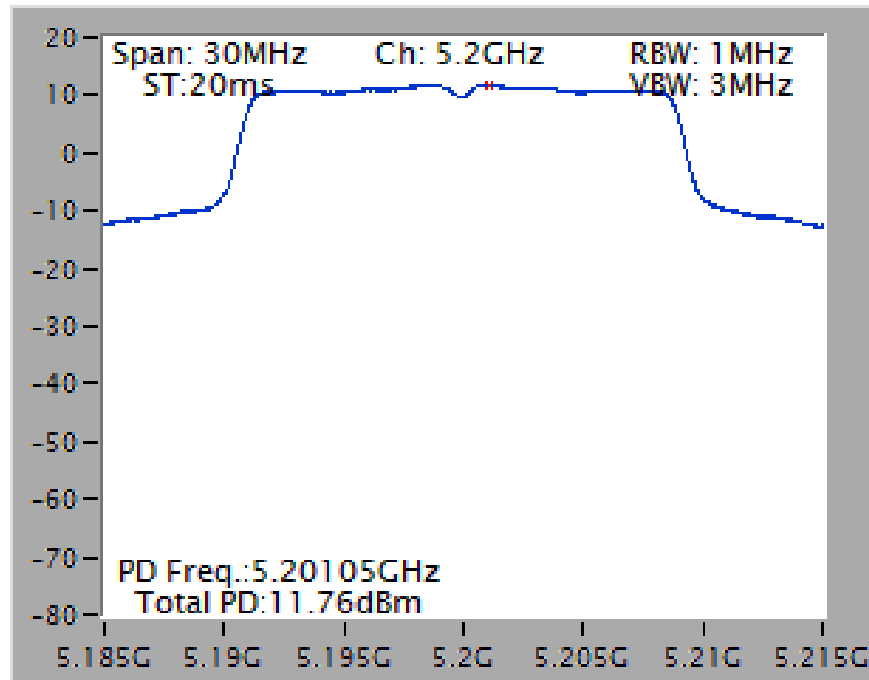


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5775 MHz

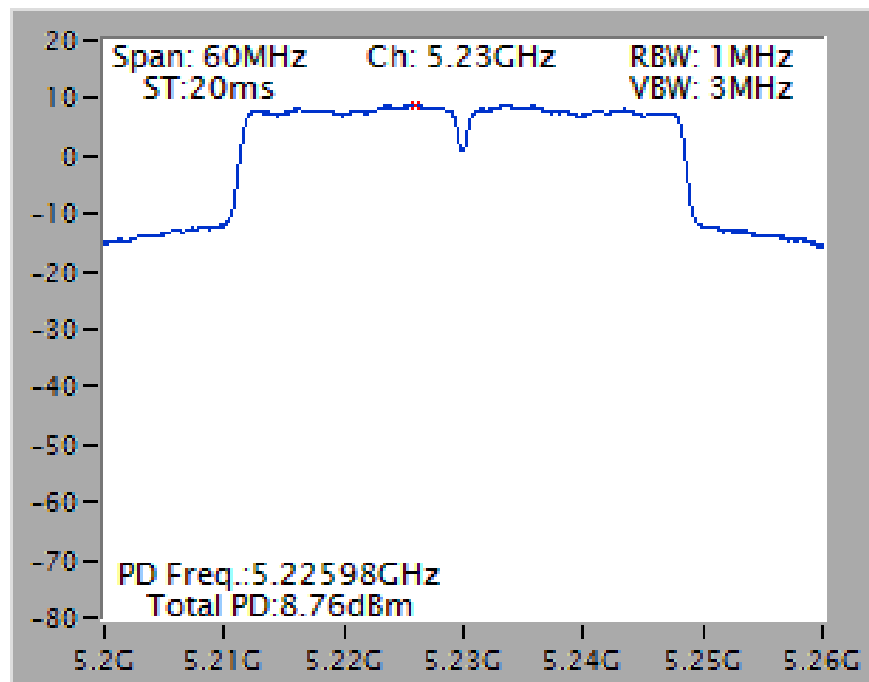


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX) / For indoor use

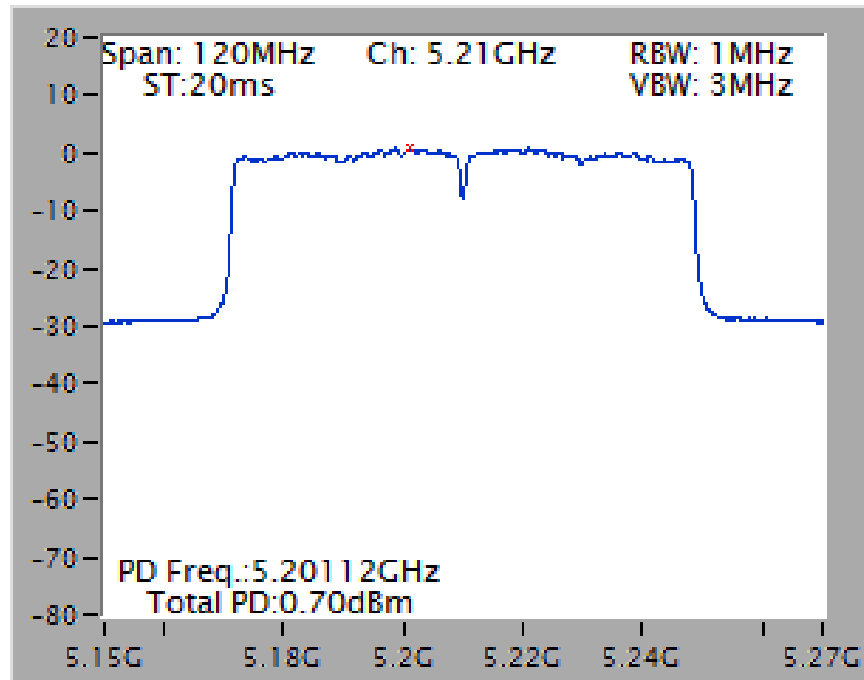
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5230 MHz

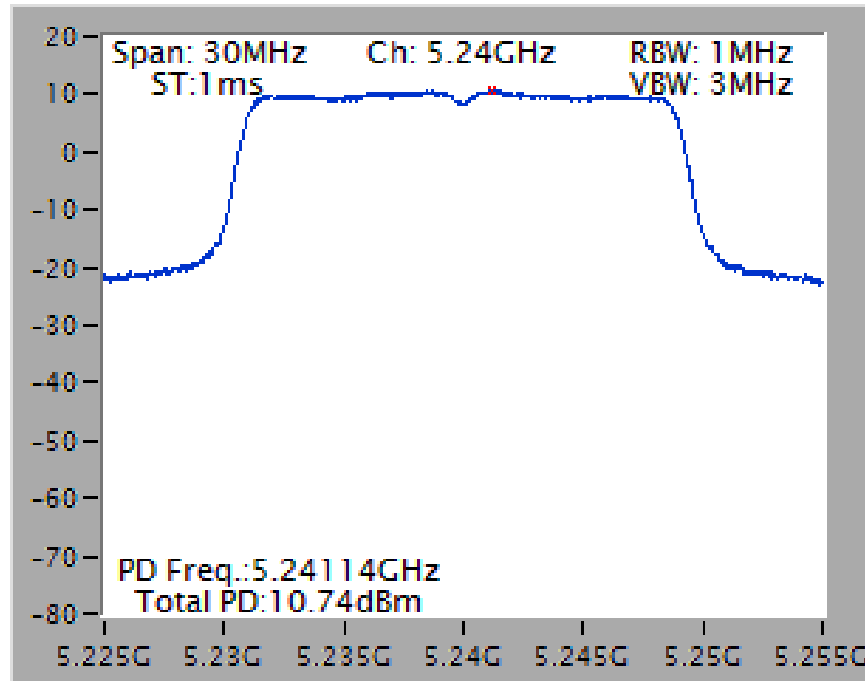


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5210 MHz

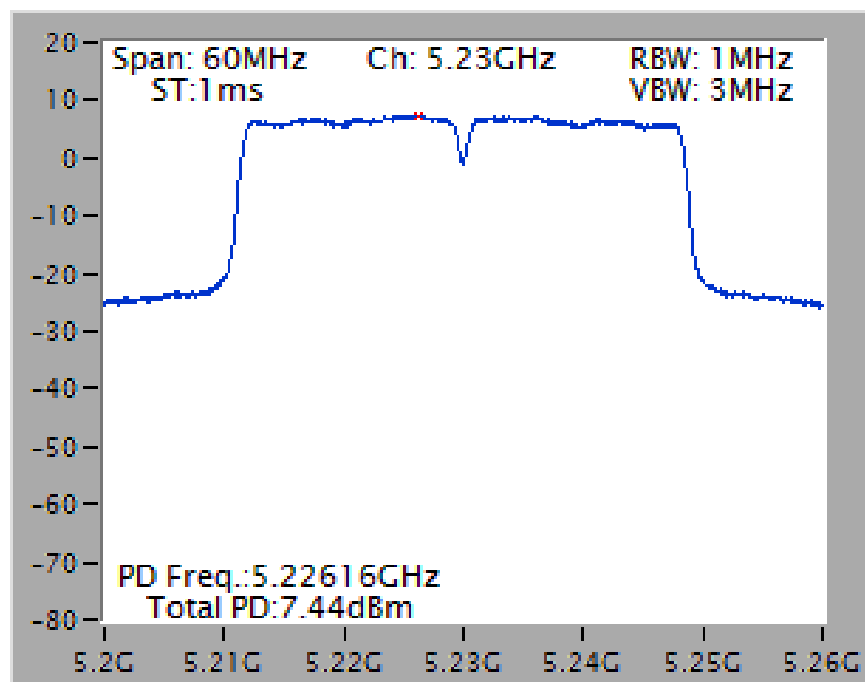


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX) / For indoor use

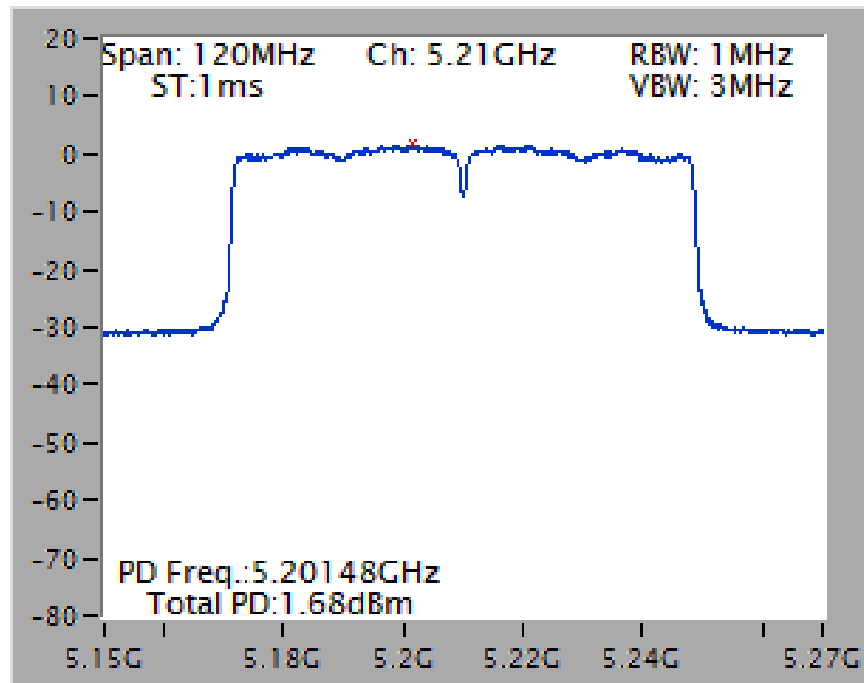
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5240 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz

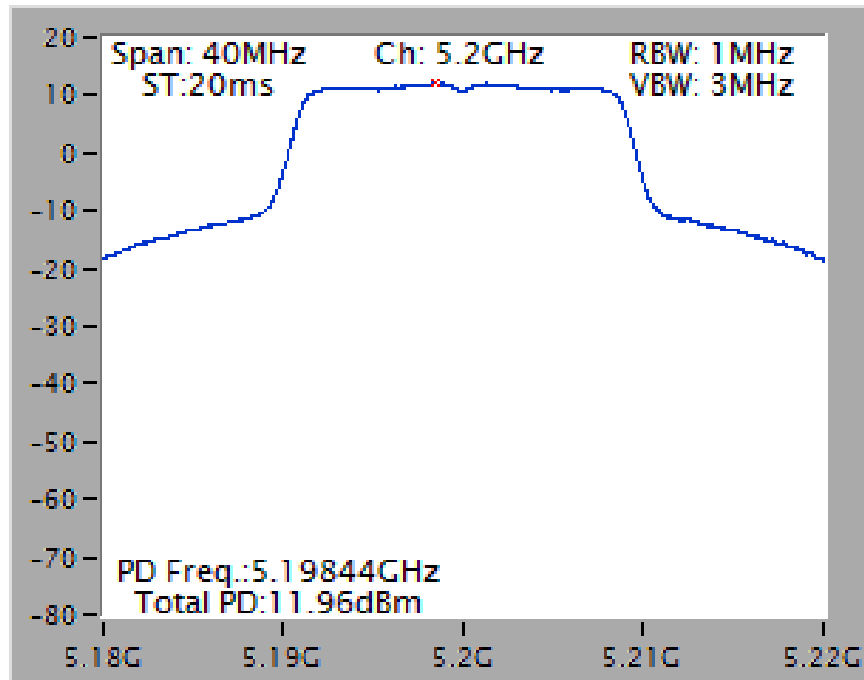


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz

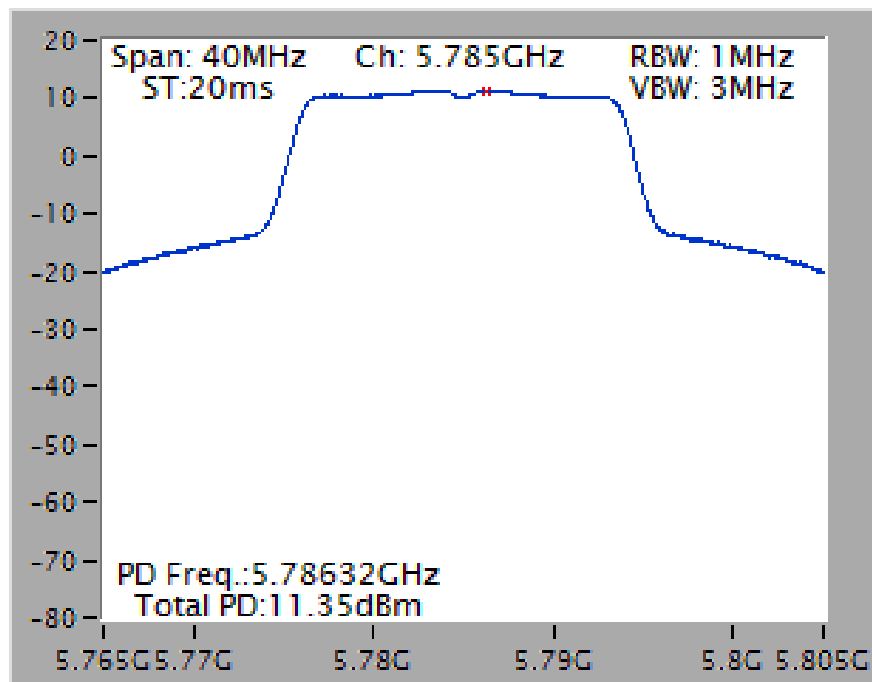


Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)

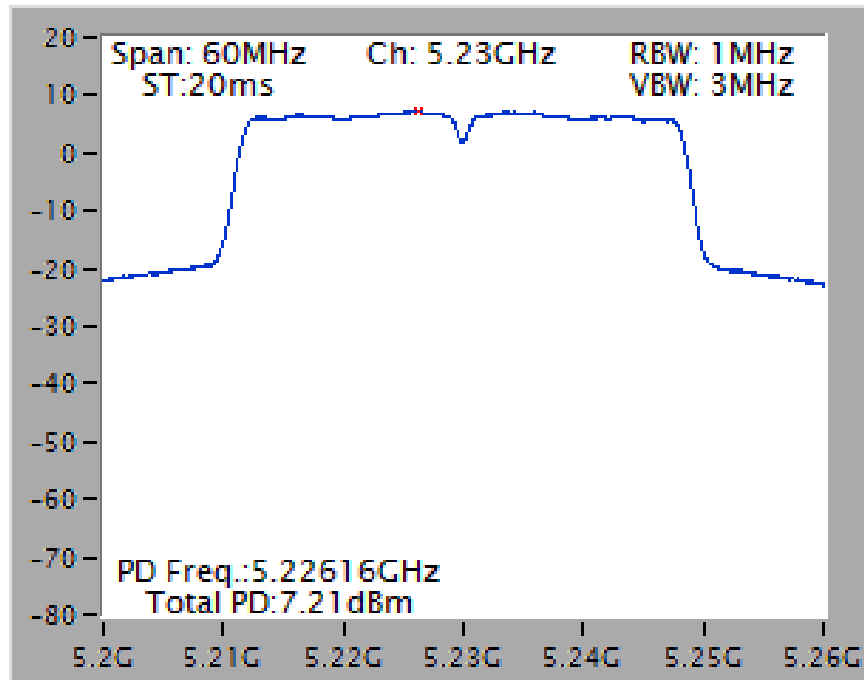
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5200 MHz



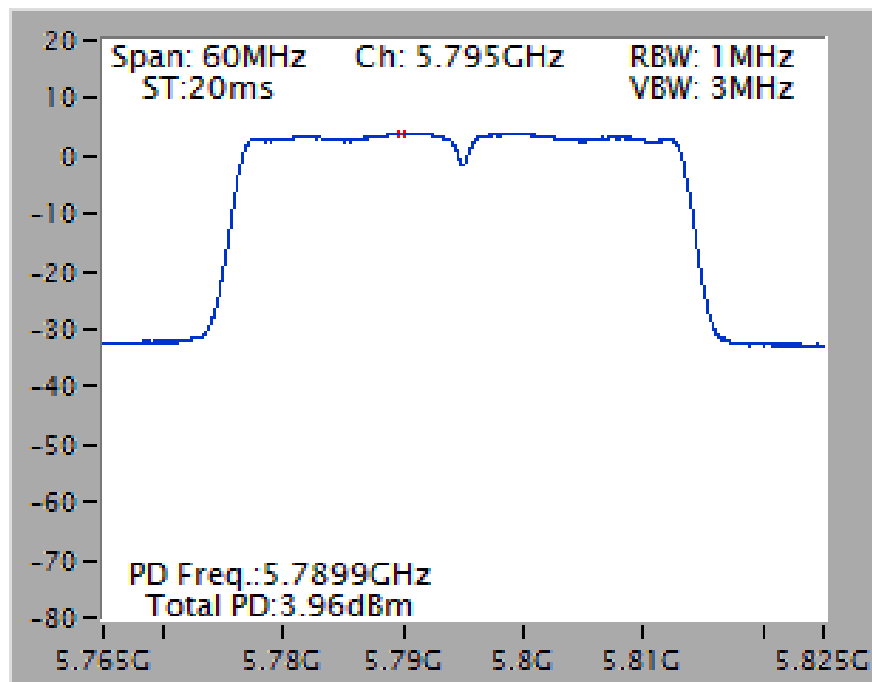
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5785 MHz



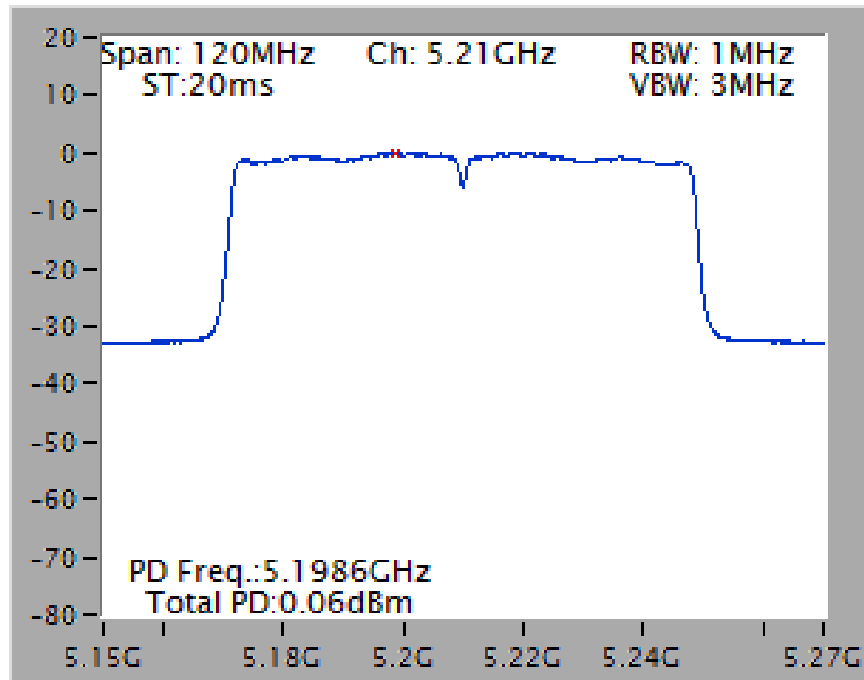
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5230 MHz



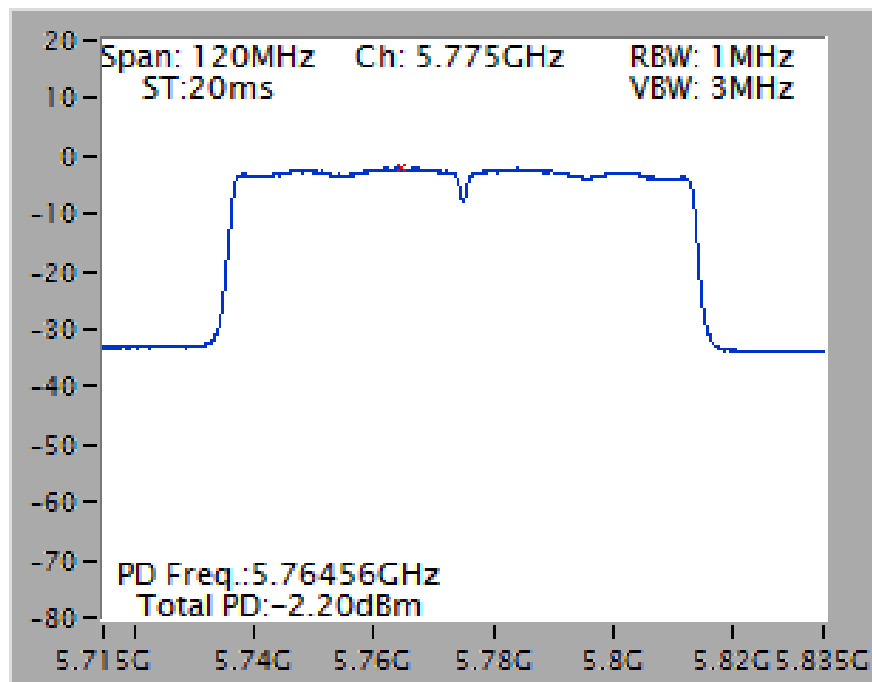
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5210 MHz

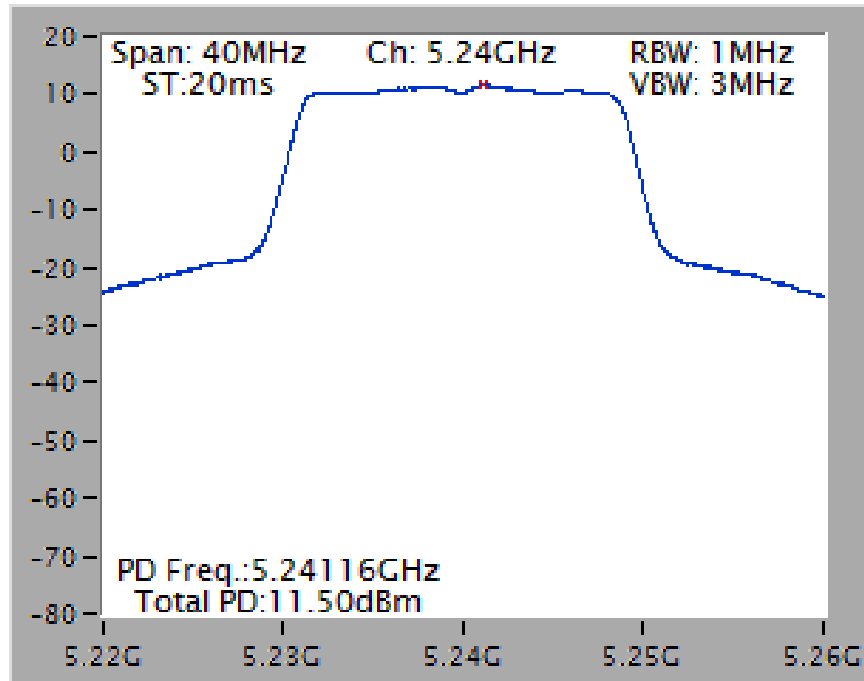


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5775 MHz

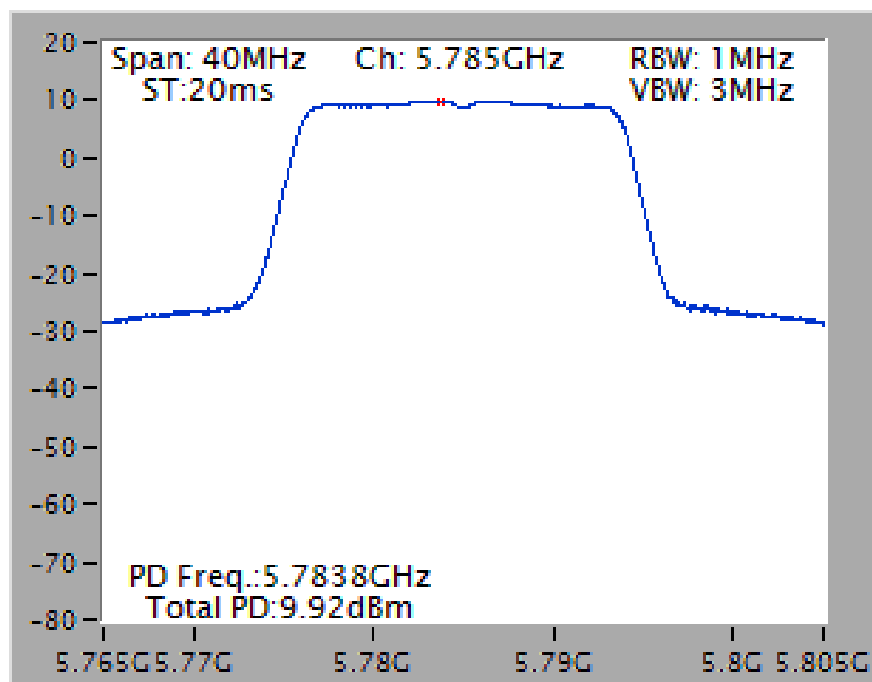


Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)

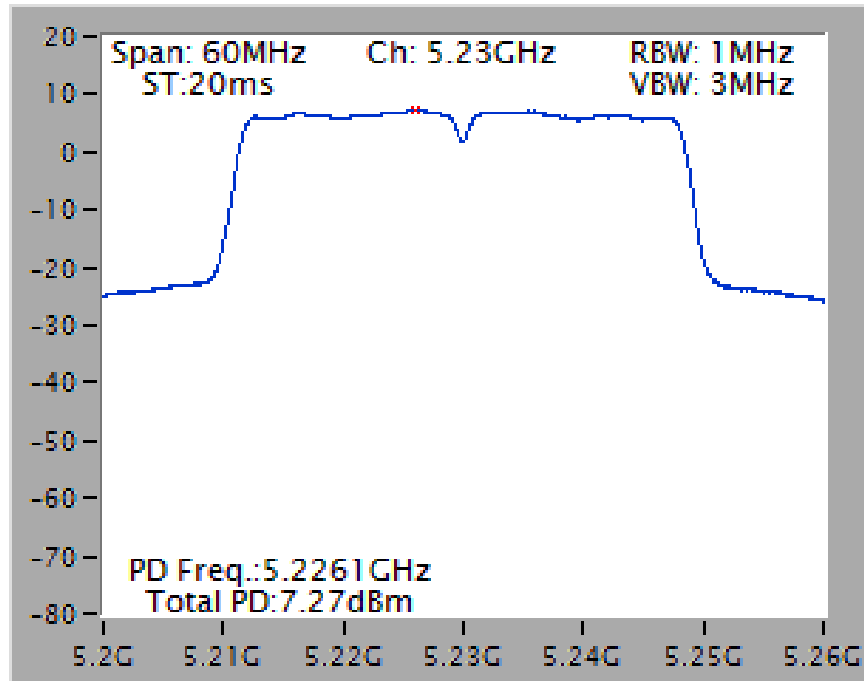
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5240 MHz



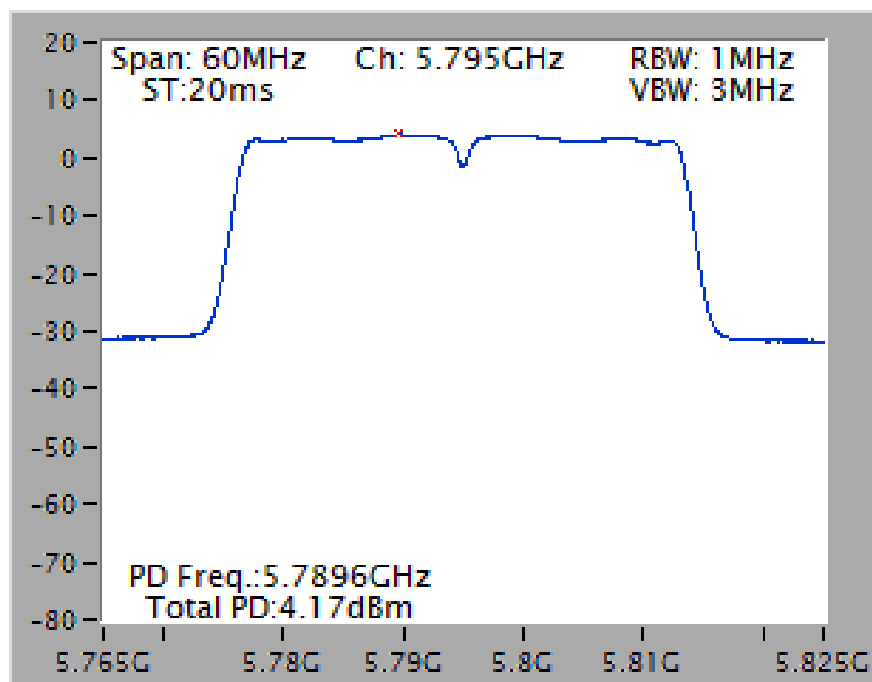
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5785 MHz



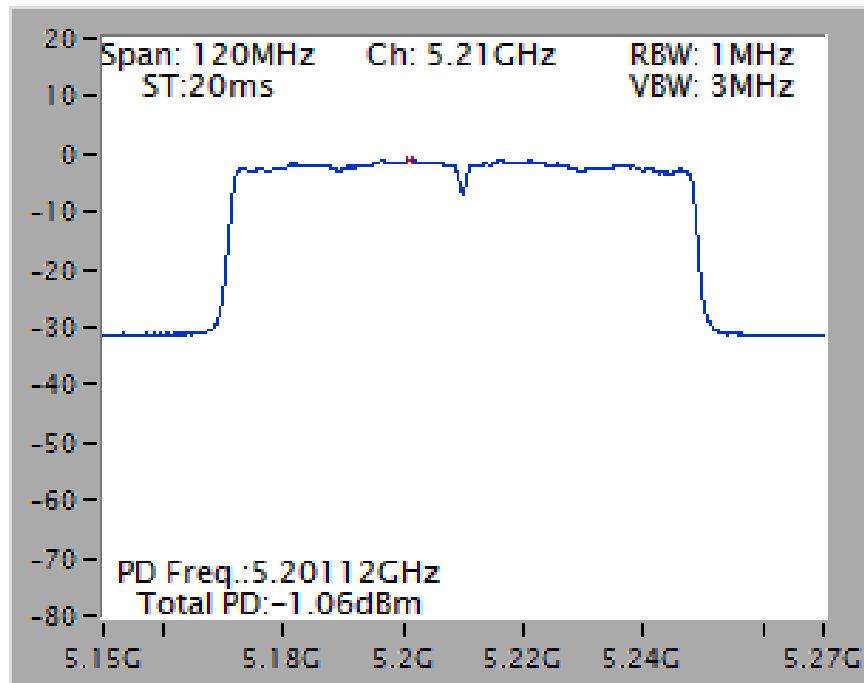
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz



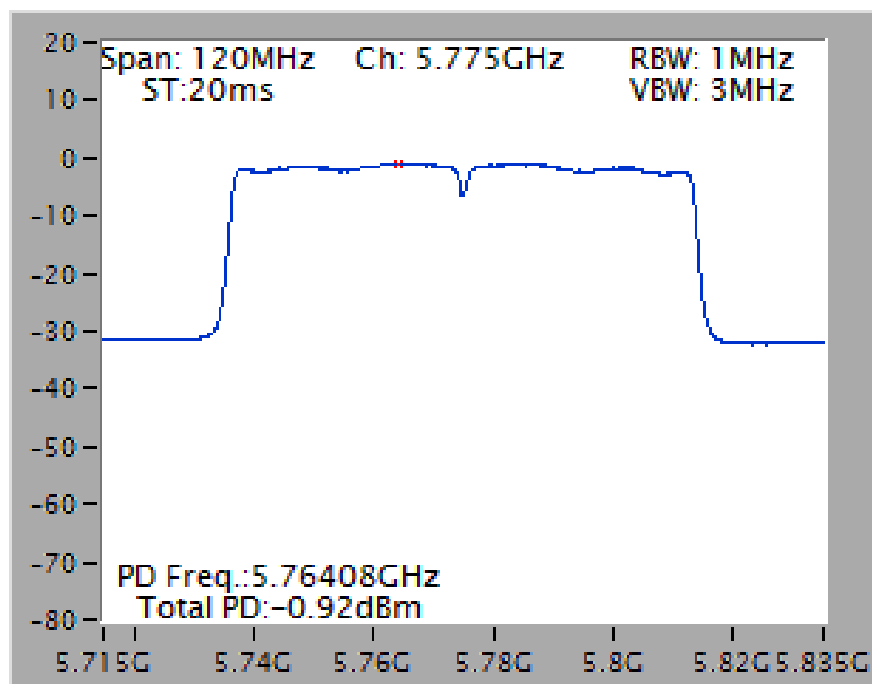
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz

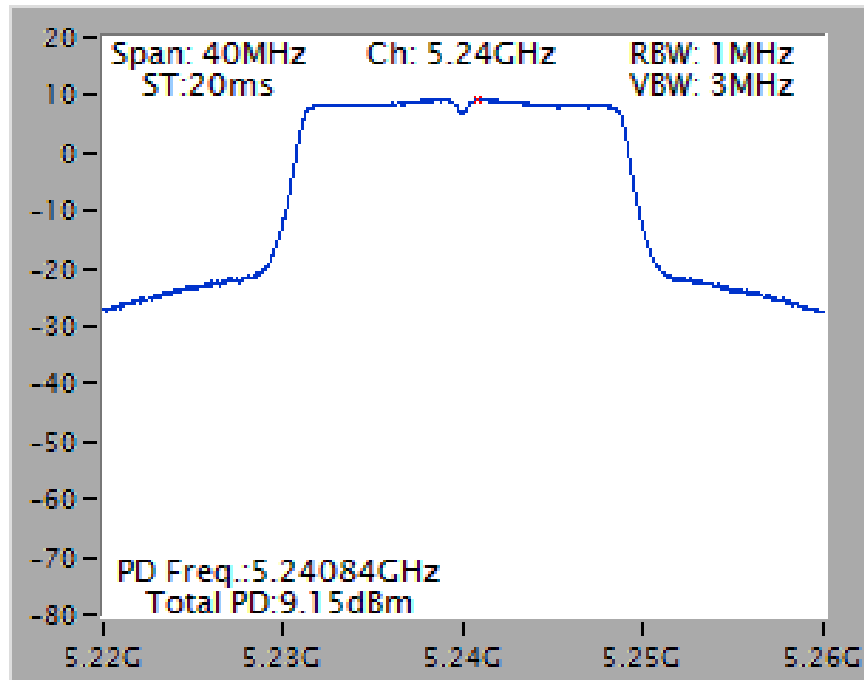


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5775 MHz

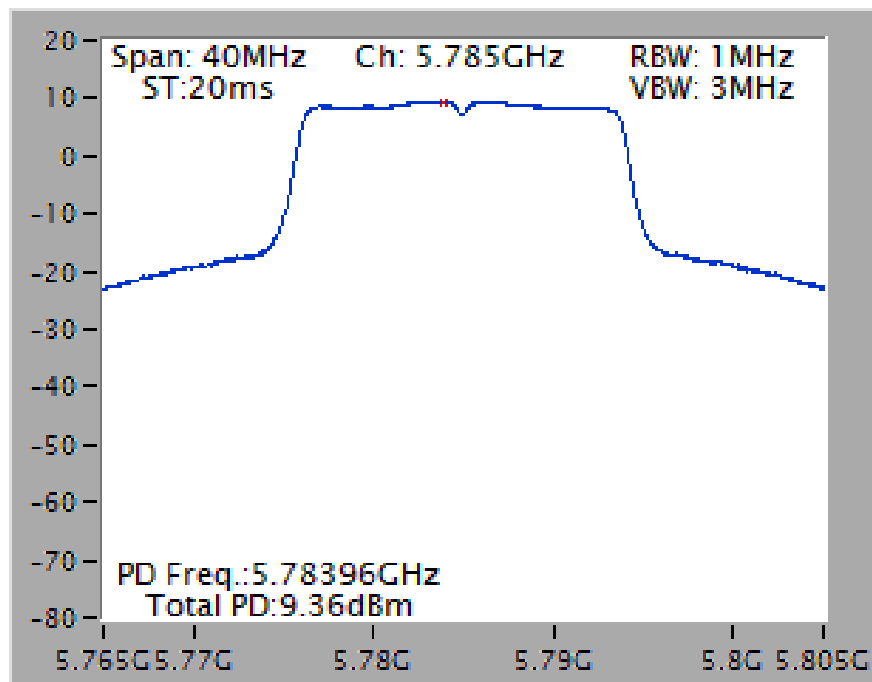


Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)

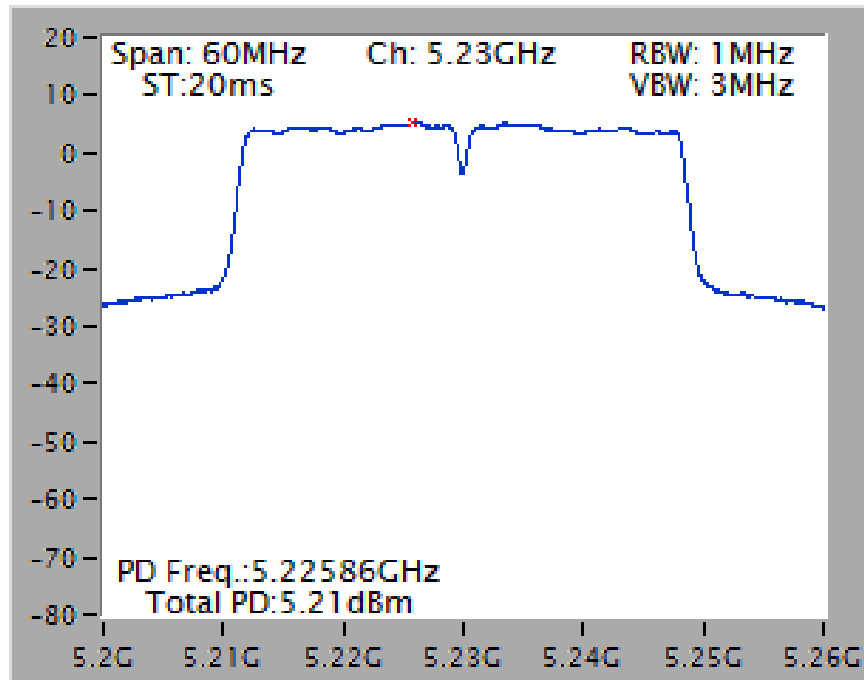
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 / 5240 MHz



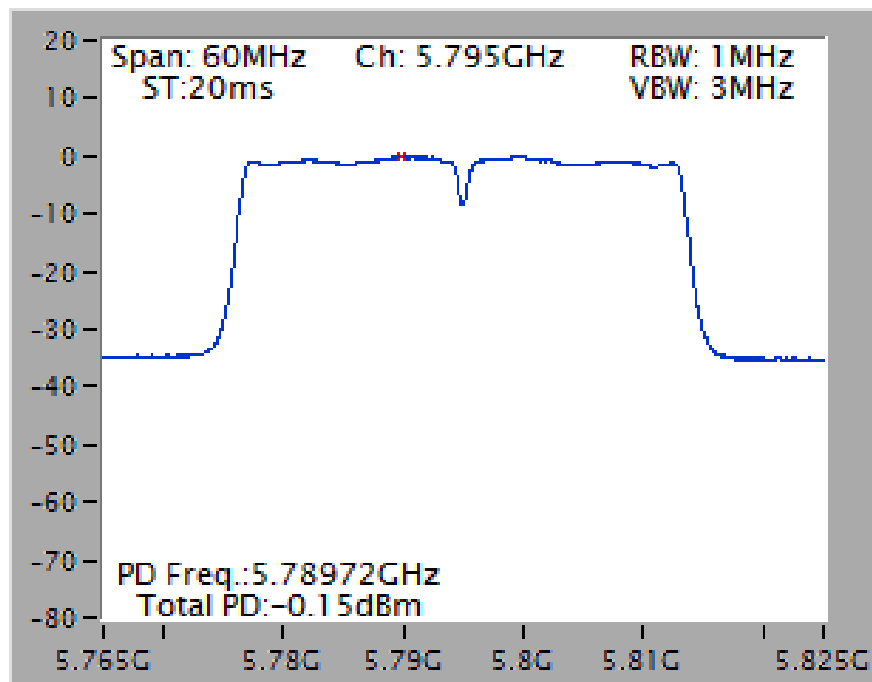
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 / 5785 MHz



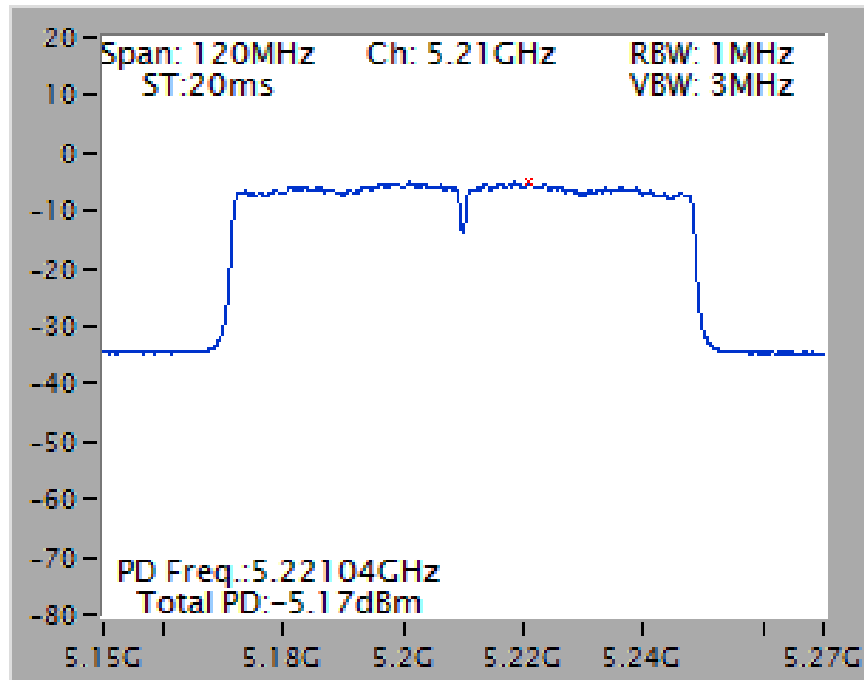
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 / 5230 MHz



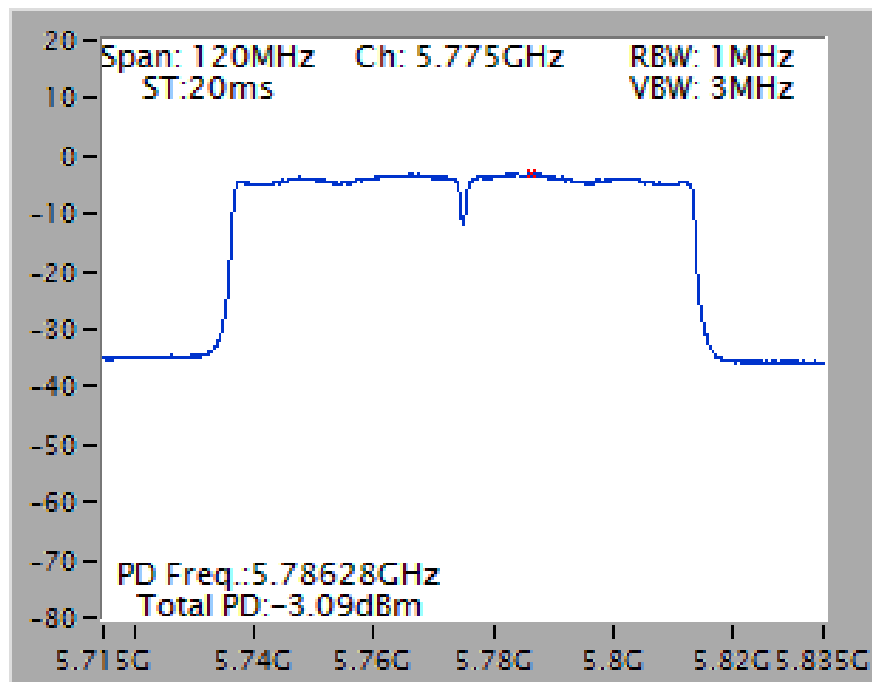
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 / 5795 MHz



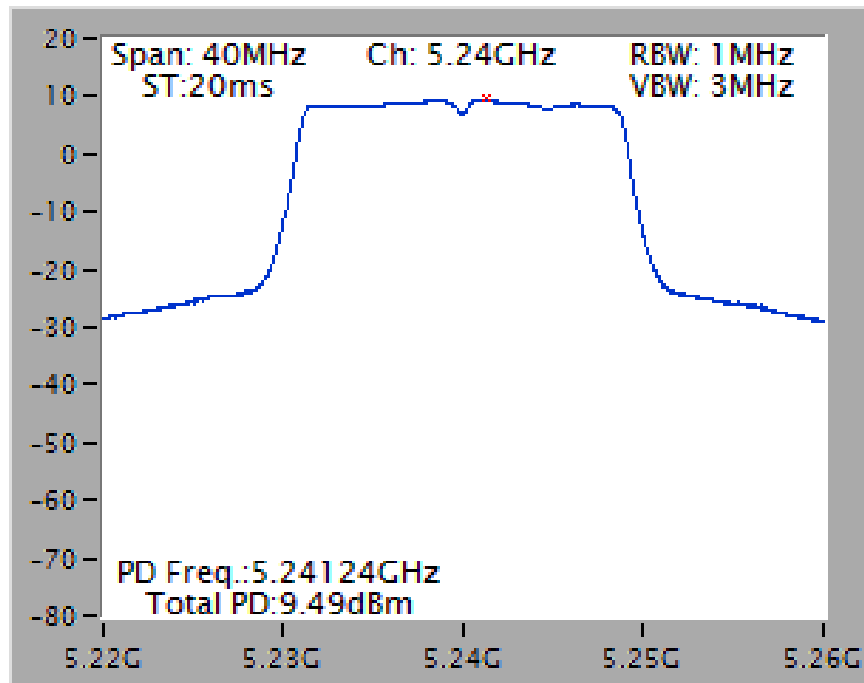
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 / 5210 MHz



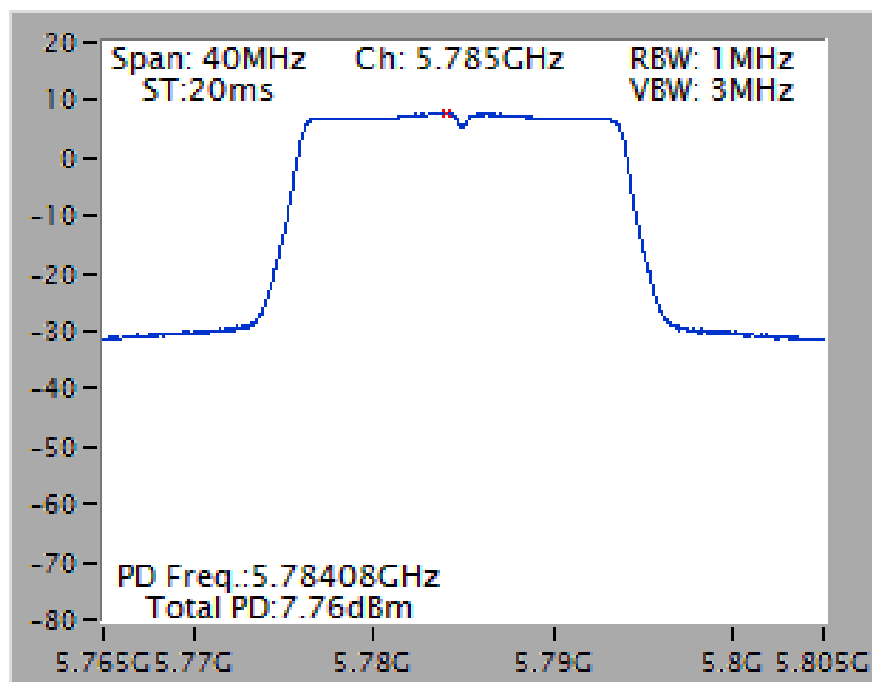
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 / 5775 MHz



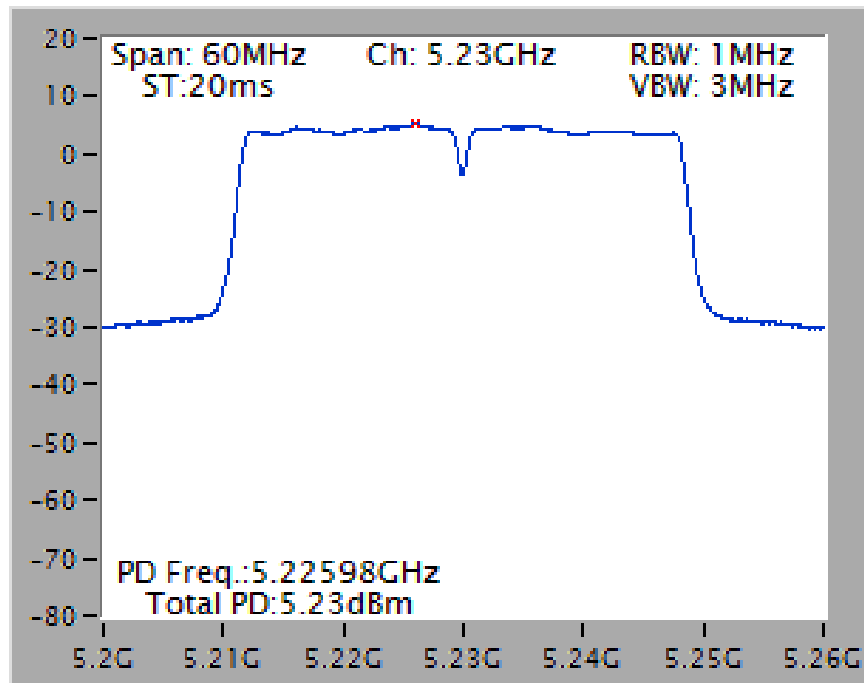
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5240 MHz



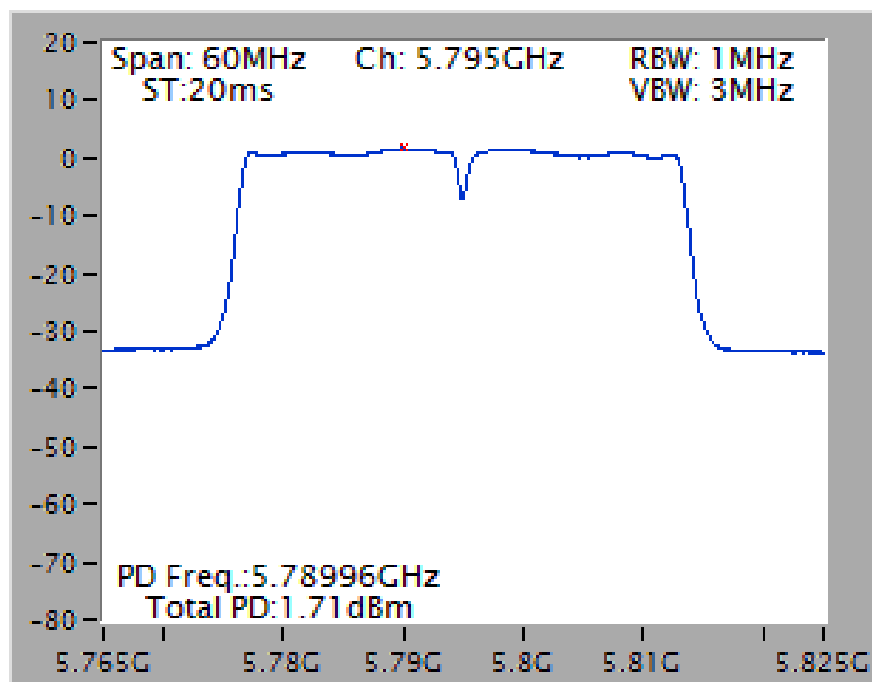
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5785 MHz



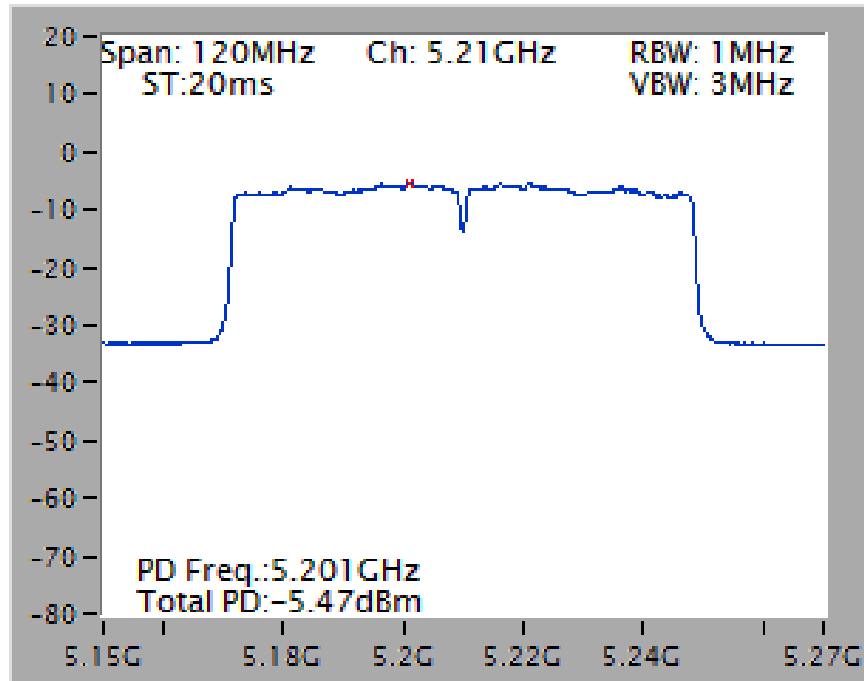
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz



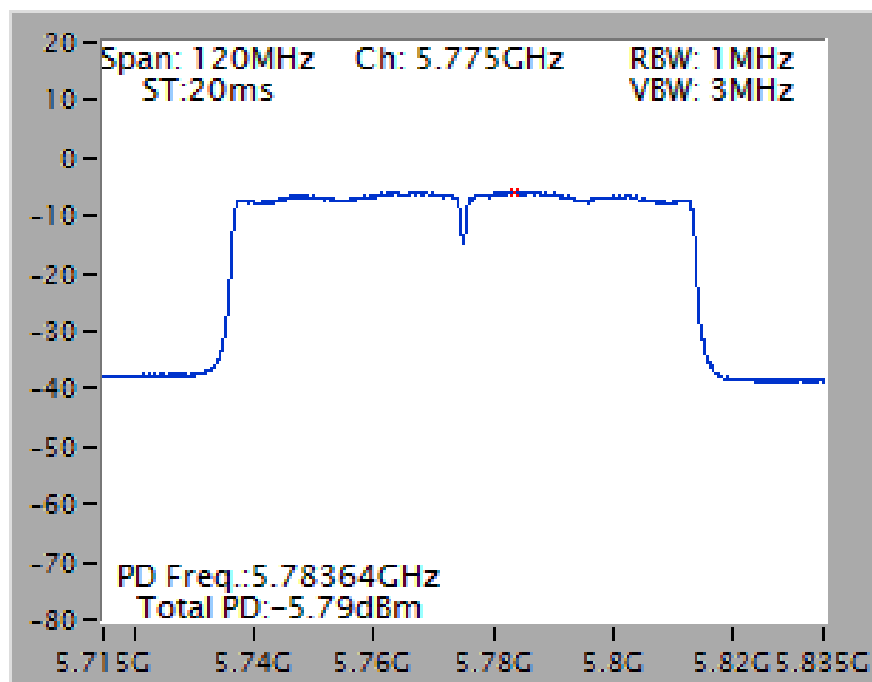
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz



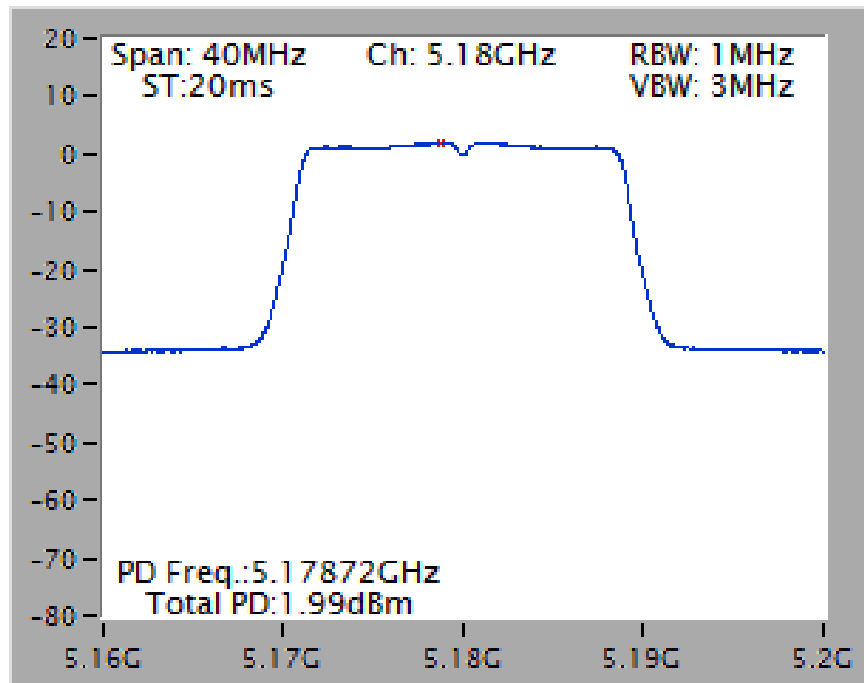
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5775 MHz



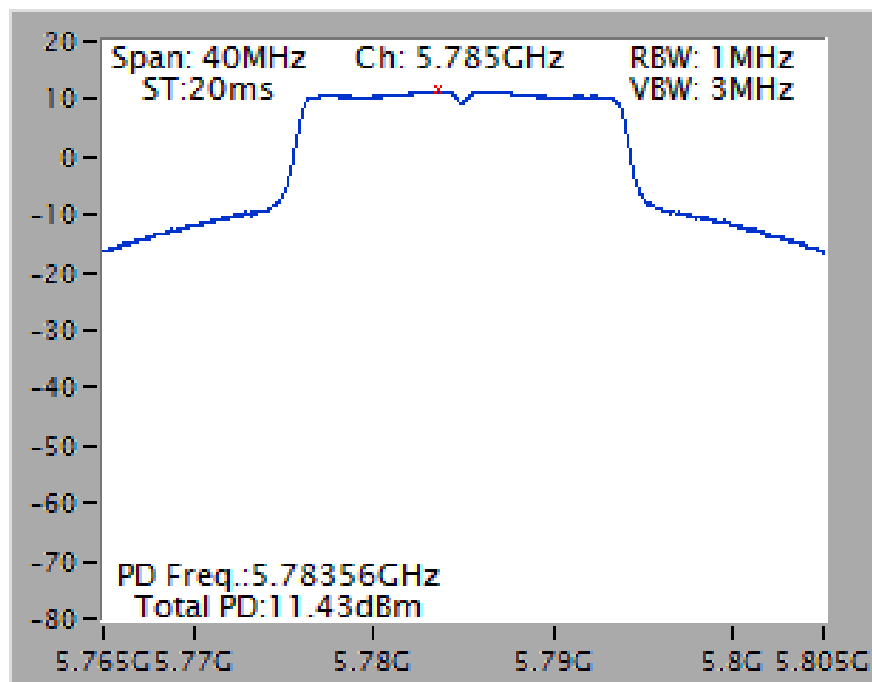
<For STBC Mode>

Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX) / For outdoor use

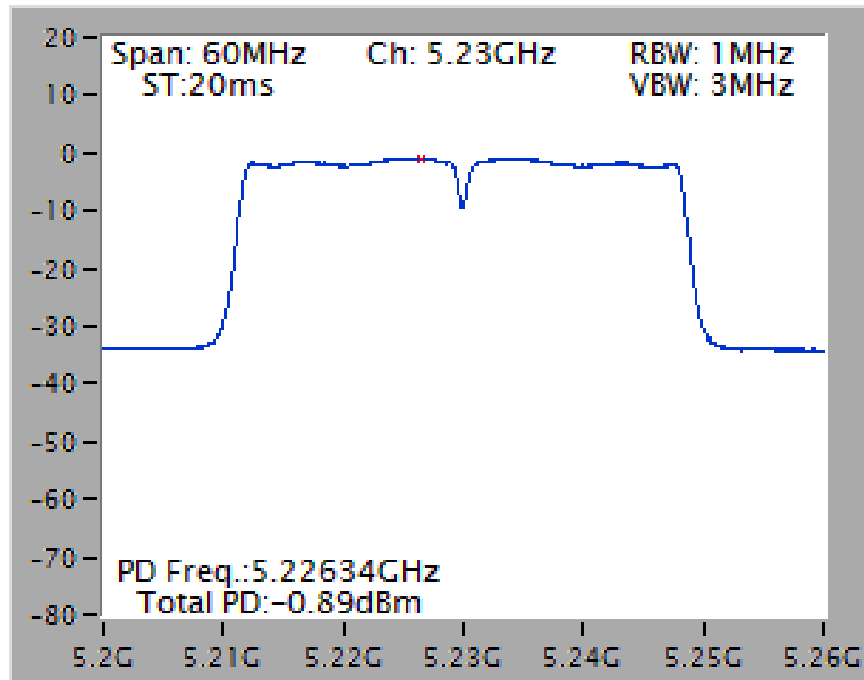
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5180 MHz



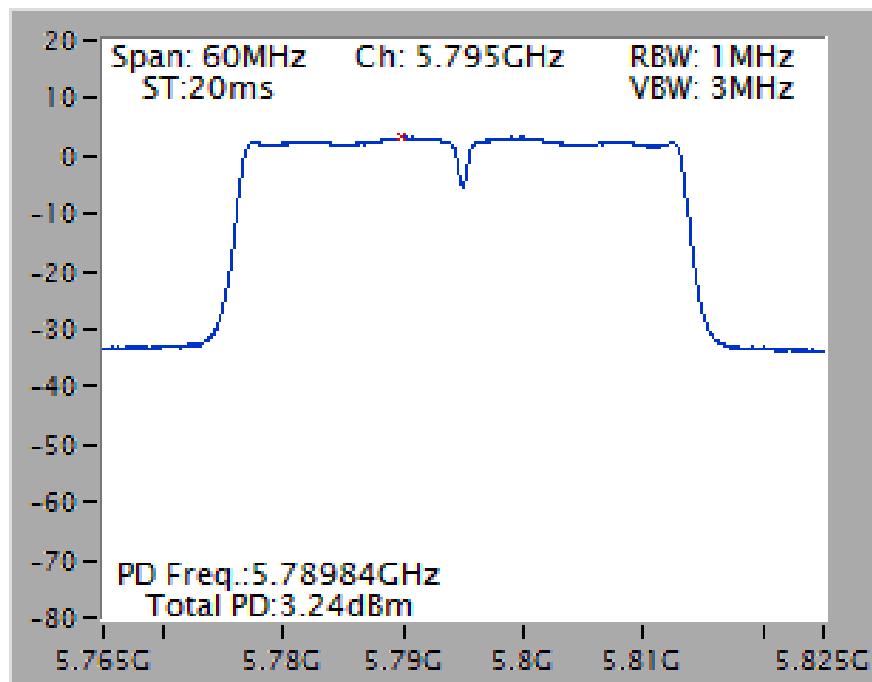
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5785 MHz



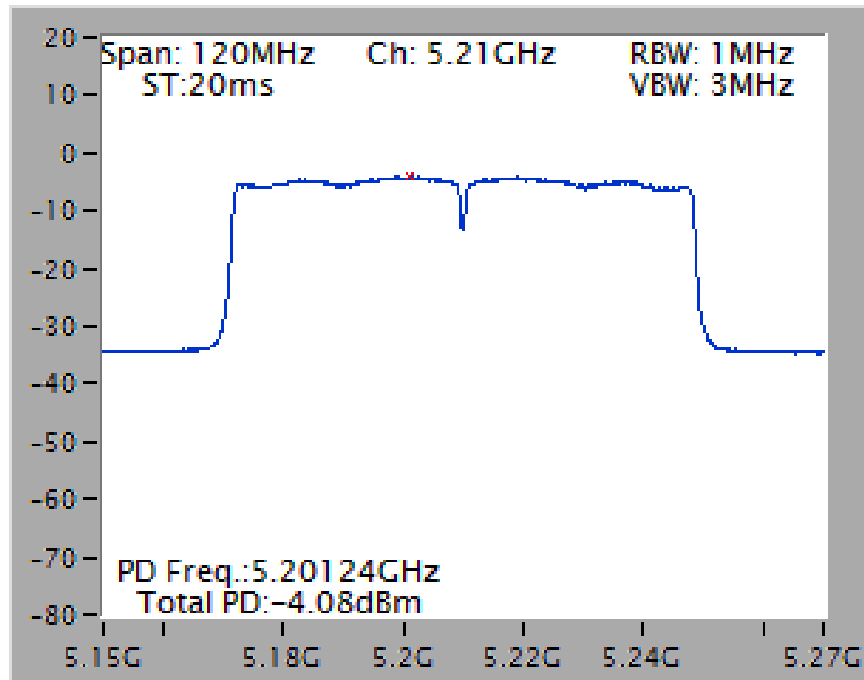
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5230 MHz



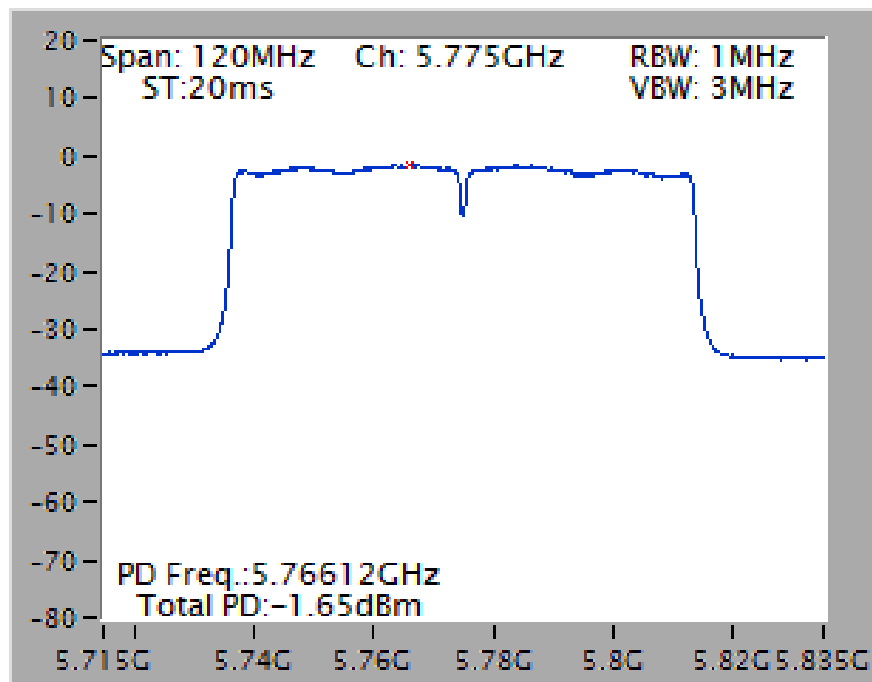
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5210 MHz

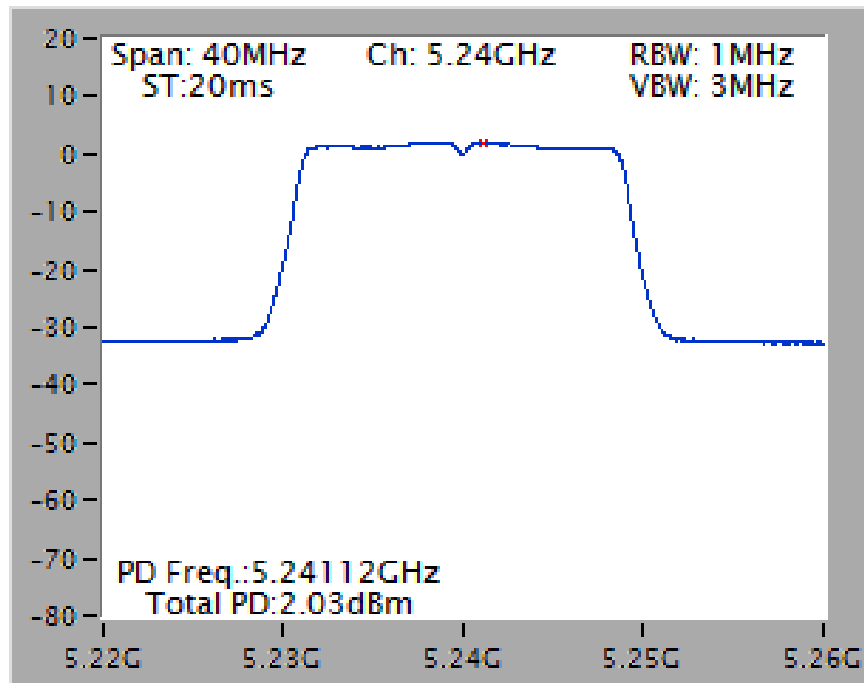


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5775 MHz

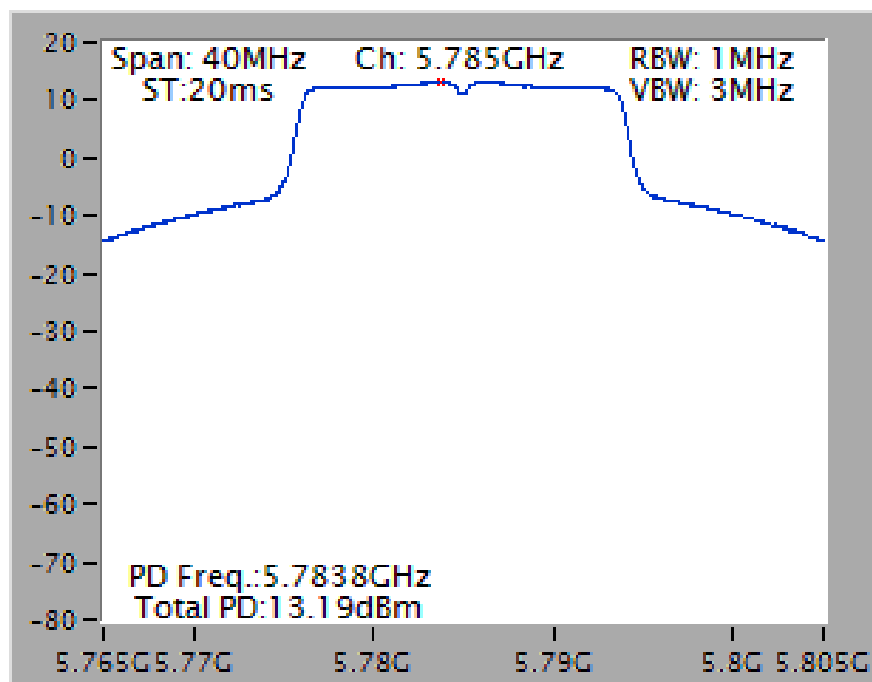


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX) / For outdoor use

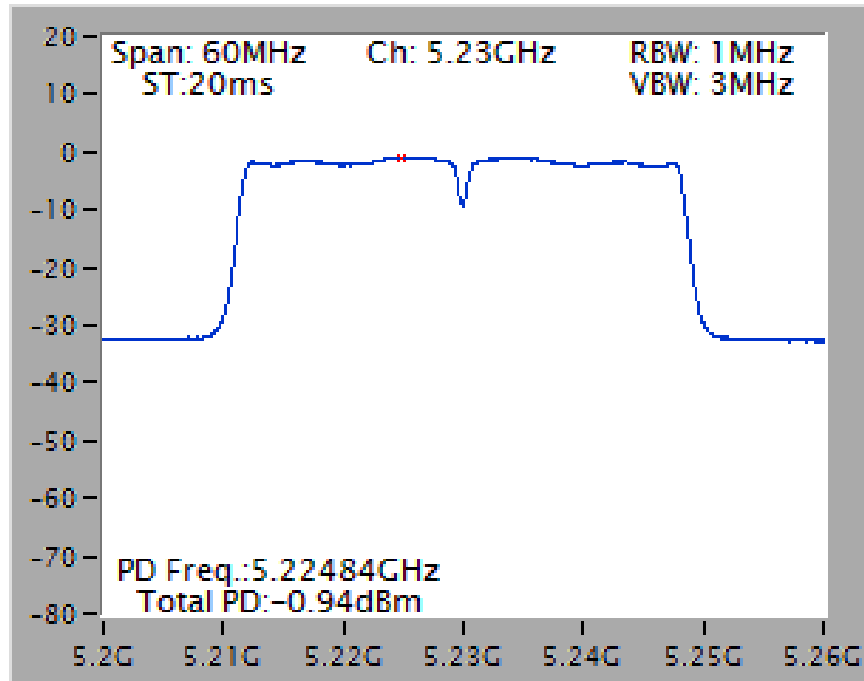
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5240 MHz



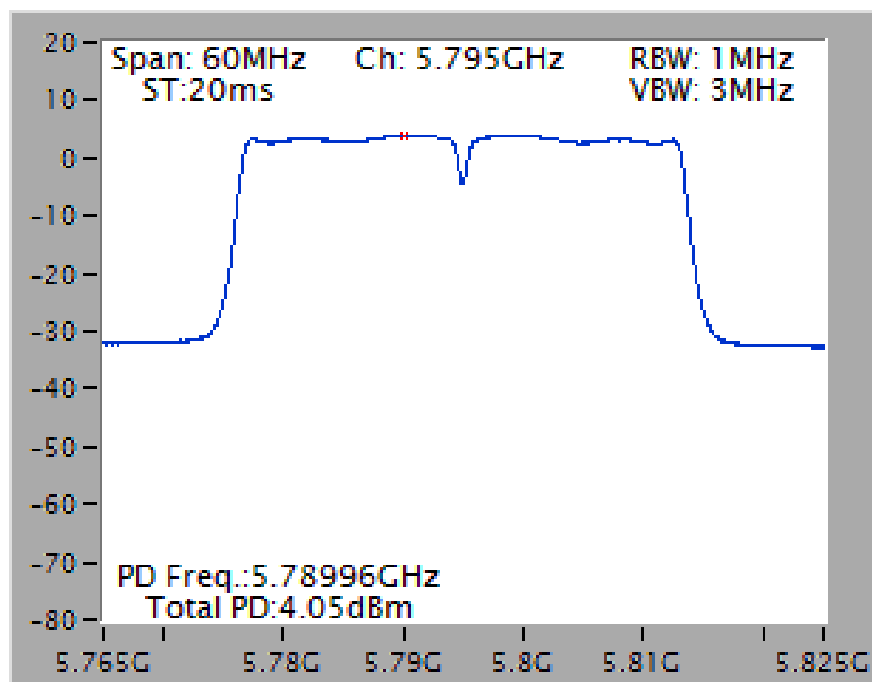
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5785 MHz



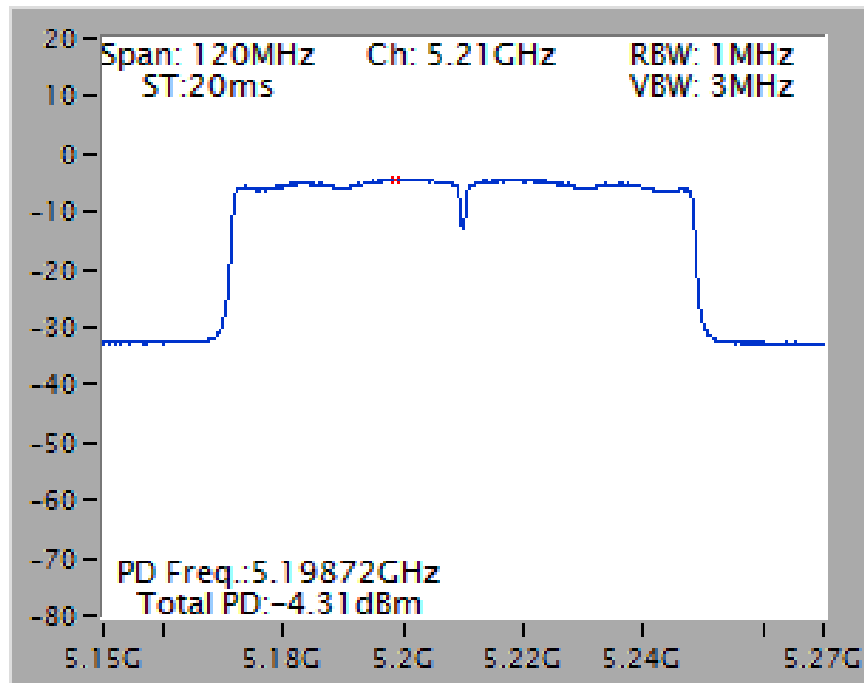
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz



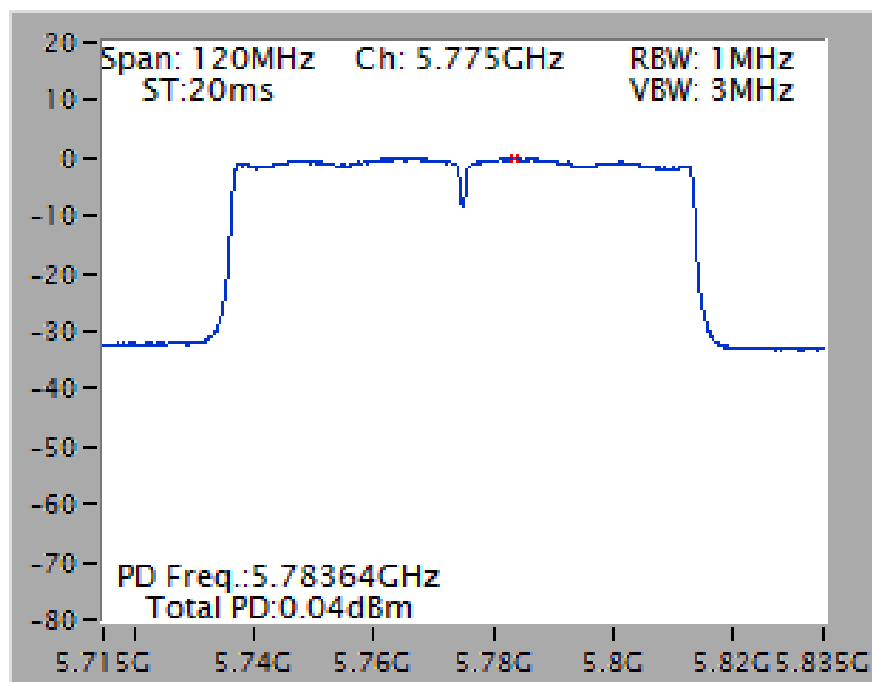
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz

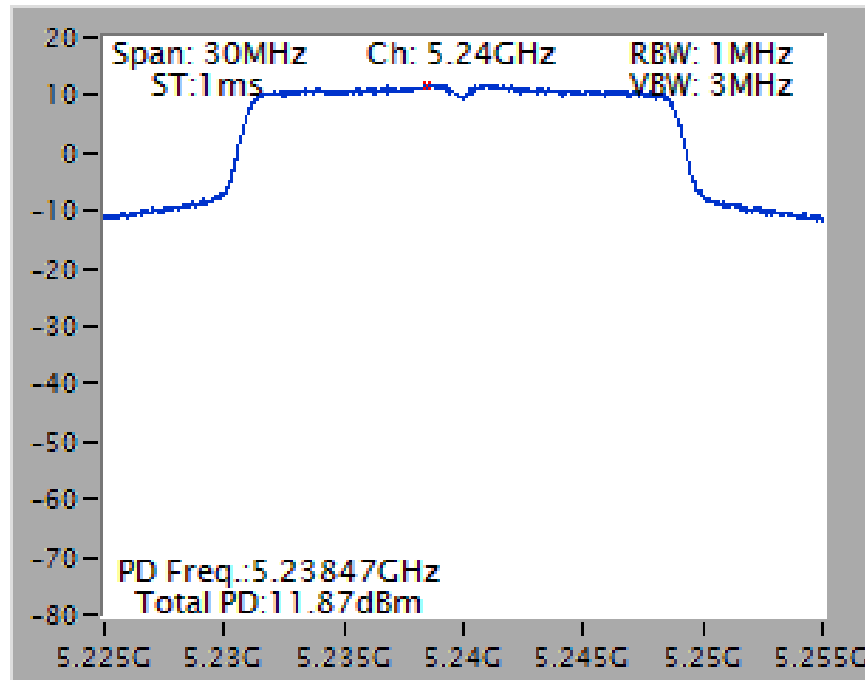


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5775 MHz

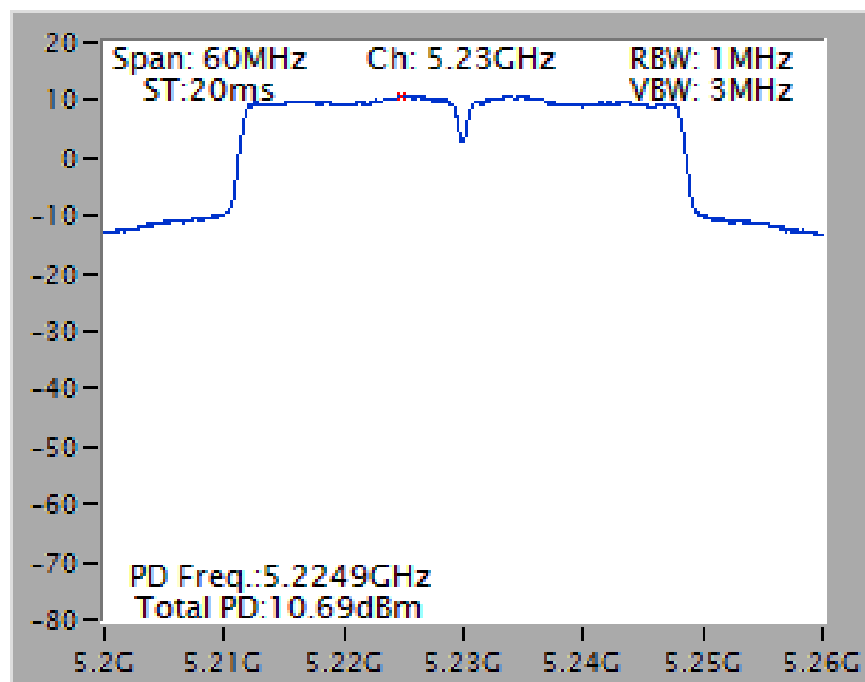


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX) / For indoor use

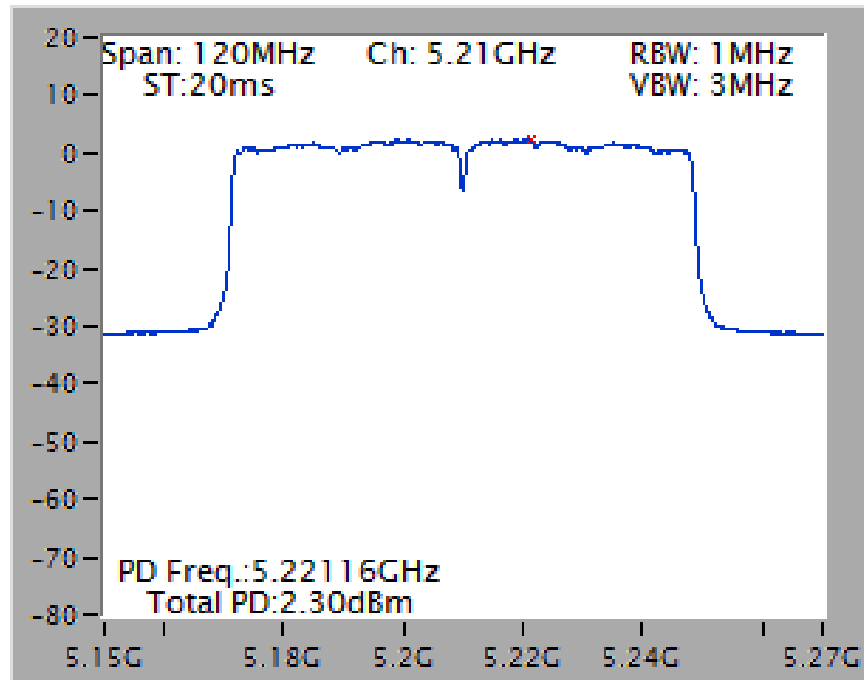
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5240 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5230 MHz

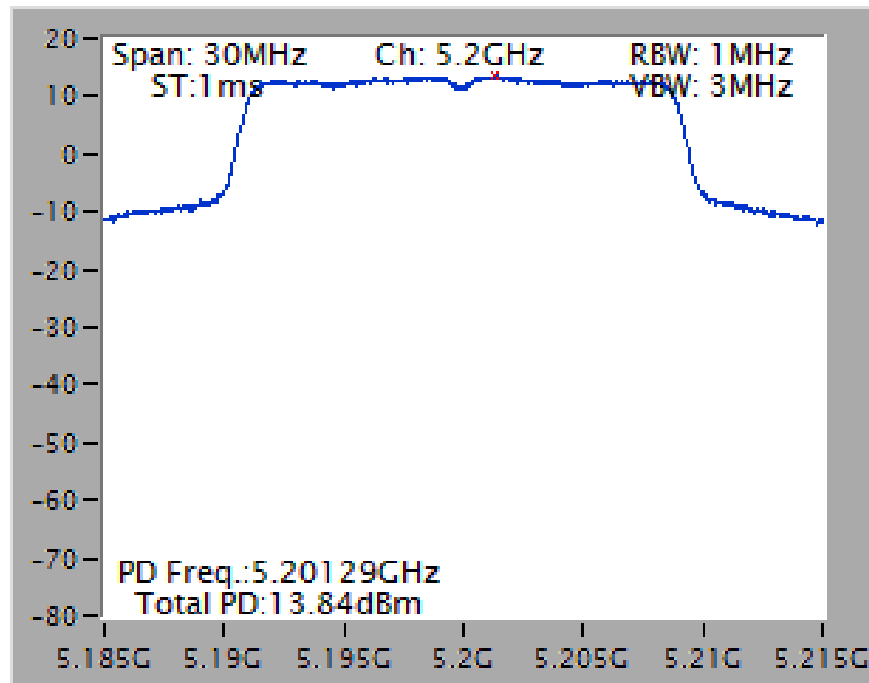


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5210 MHz

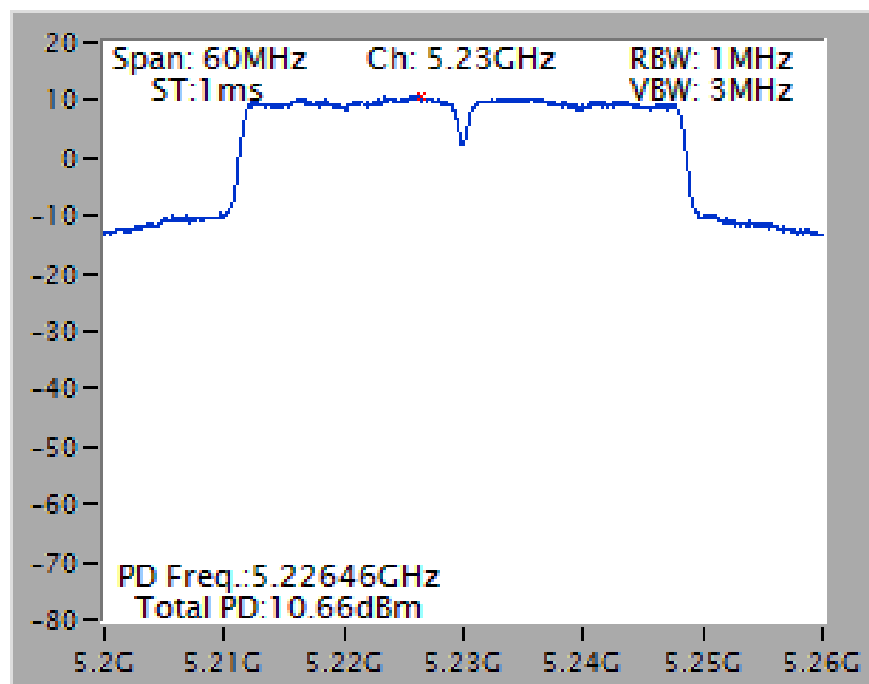


Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX) / For indoor use

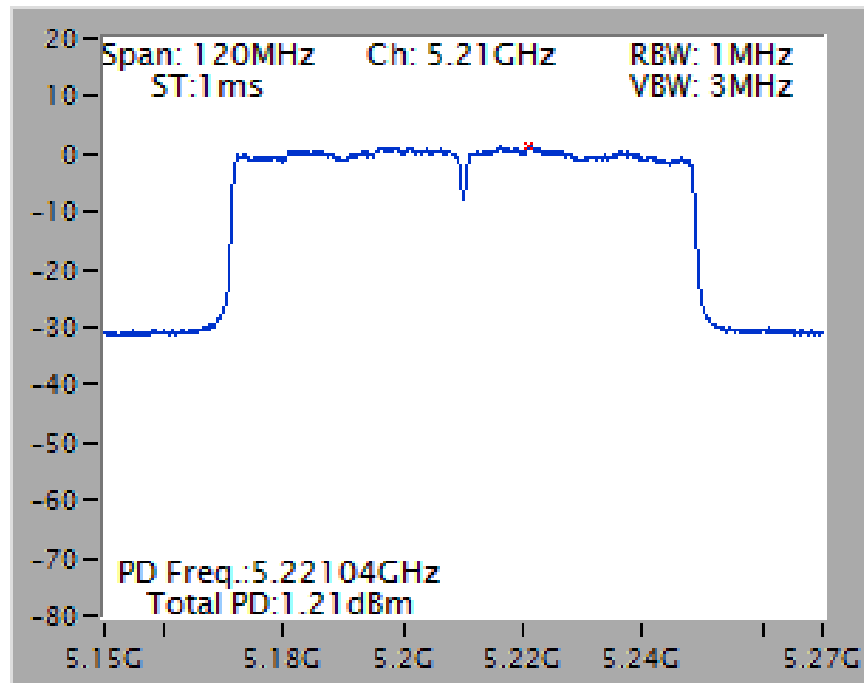
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz

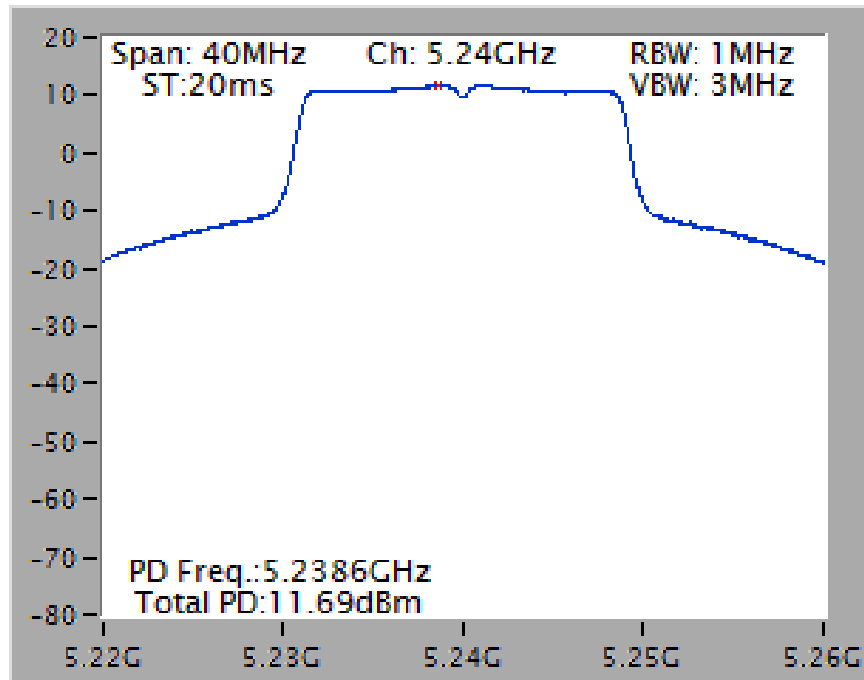


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz

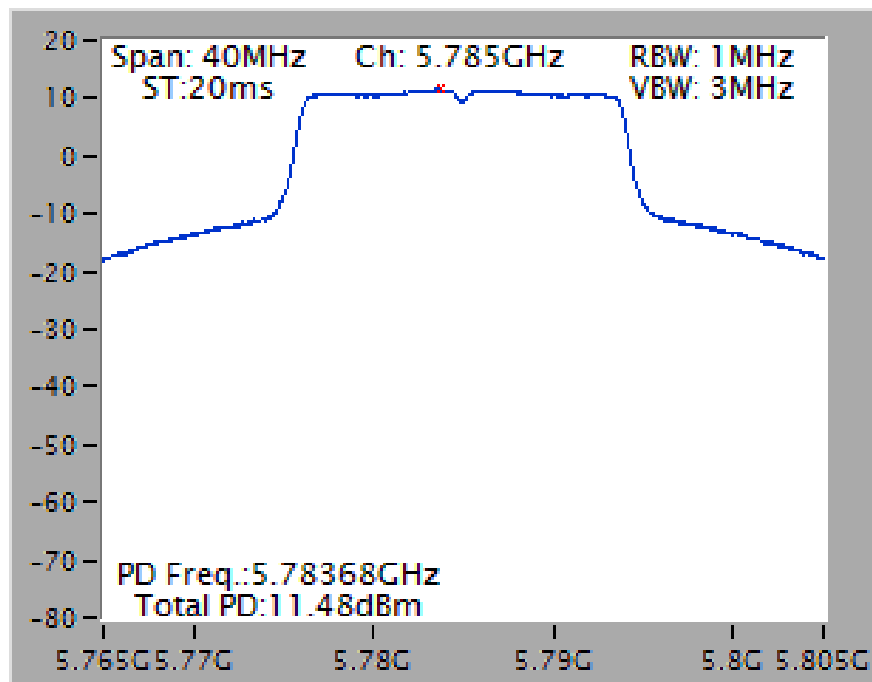


Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)

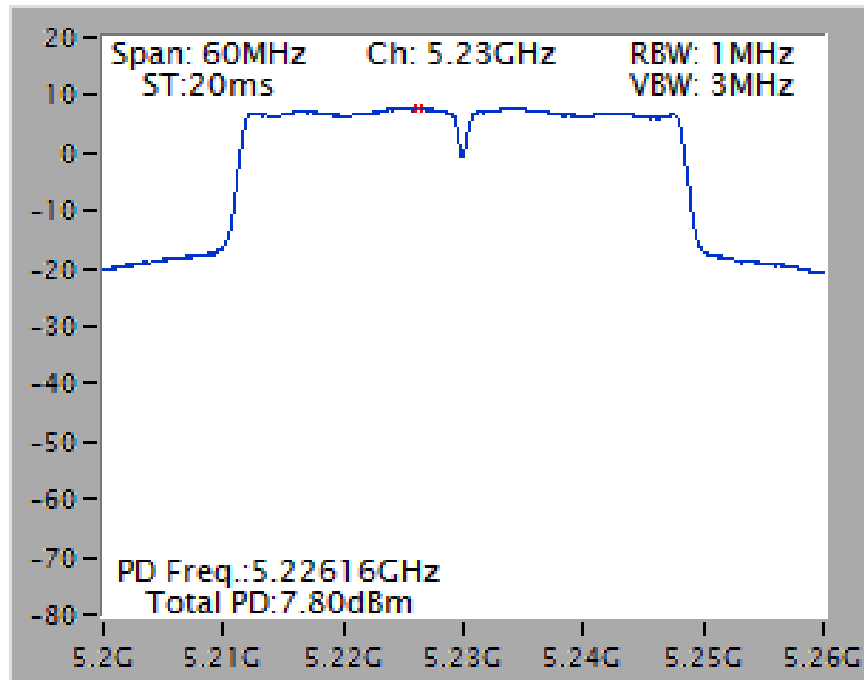
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5240 MHz



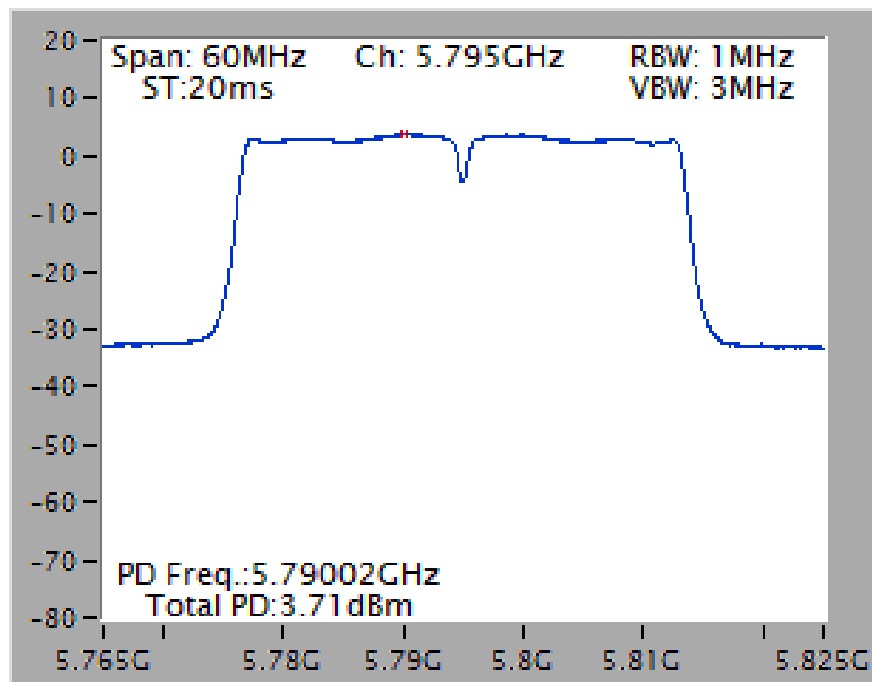
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 / 5785 MHz



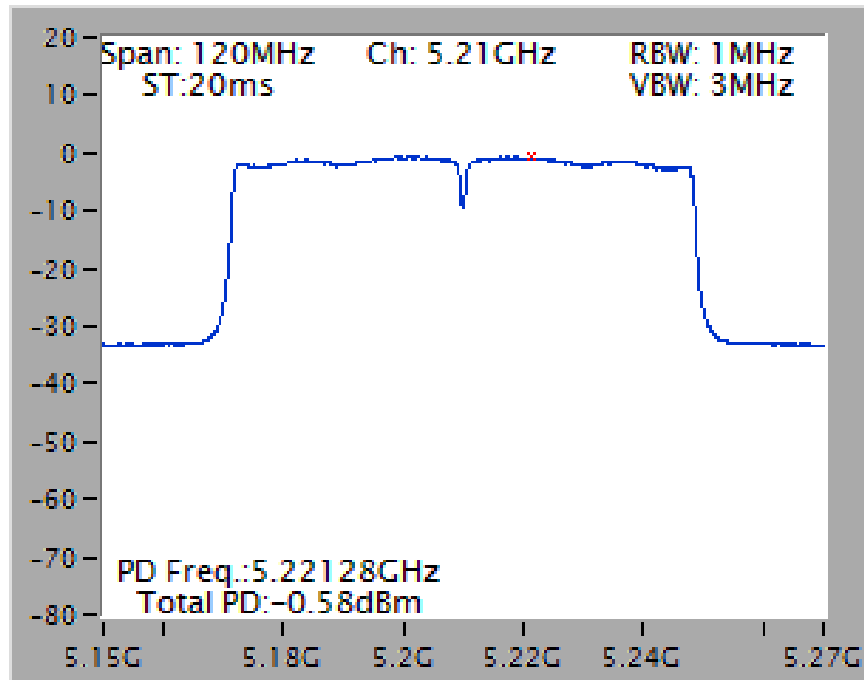
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5230 MHz



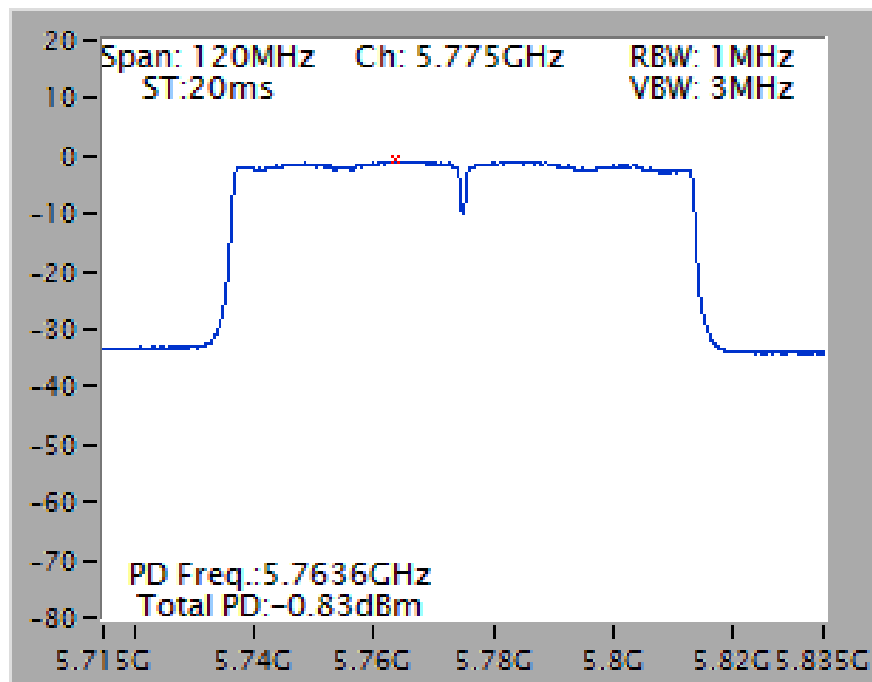
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5210 MHz

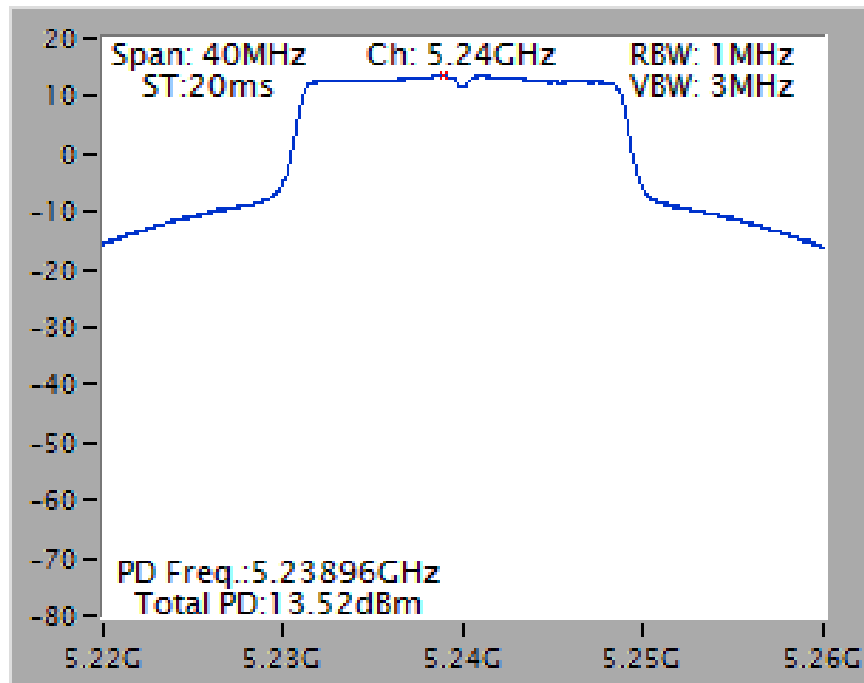


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 / 5775 MHz

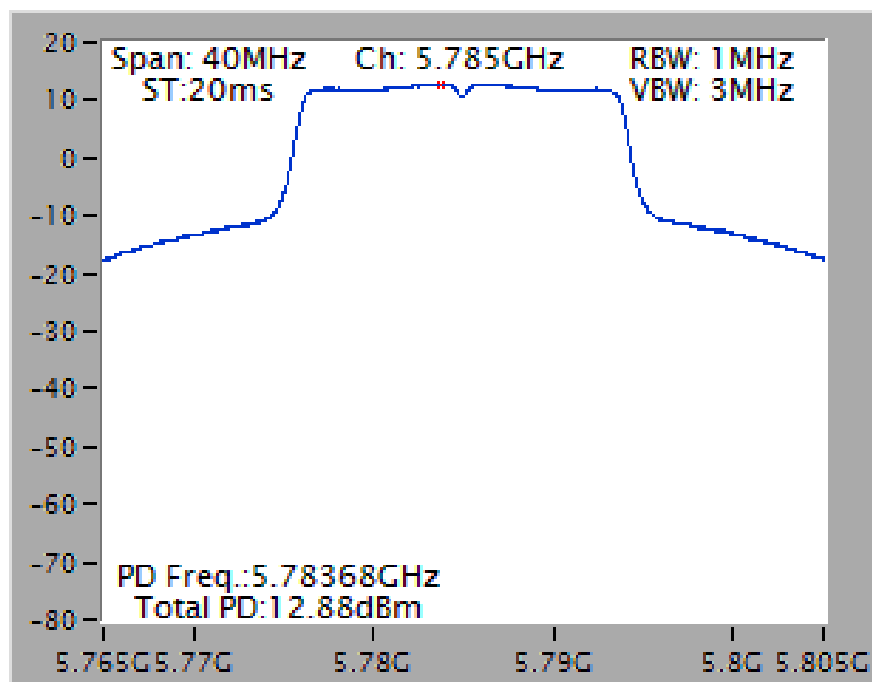


Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)

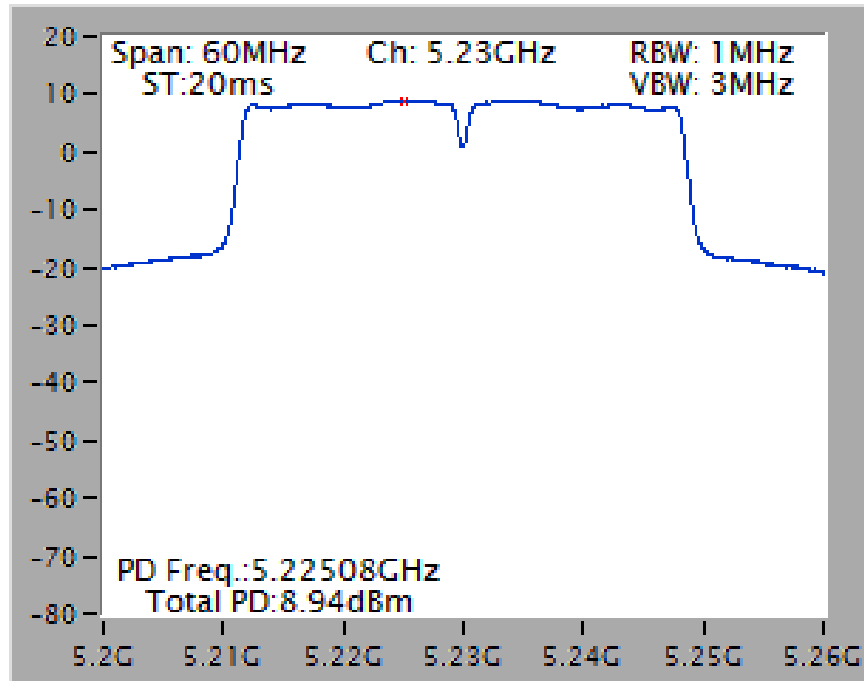
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5240 MHz



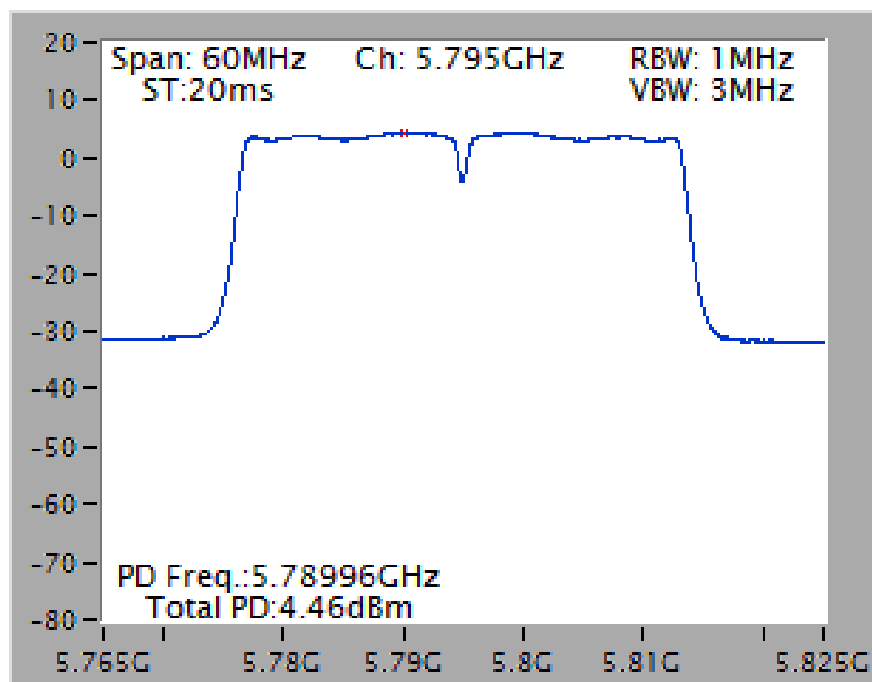
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5785 MHz



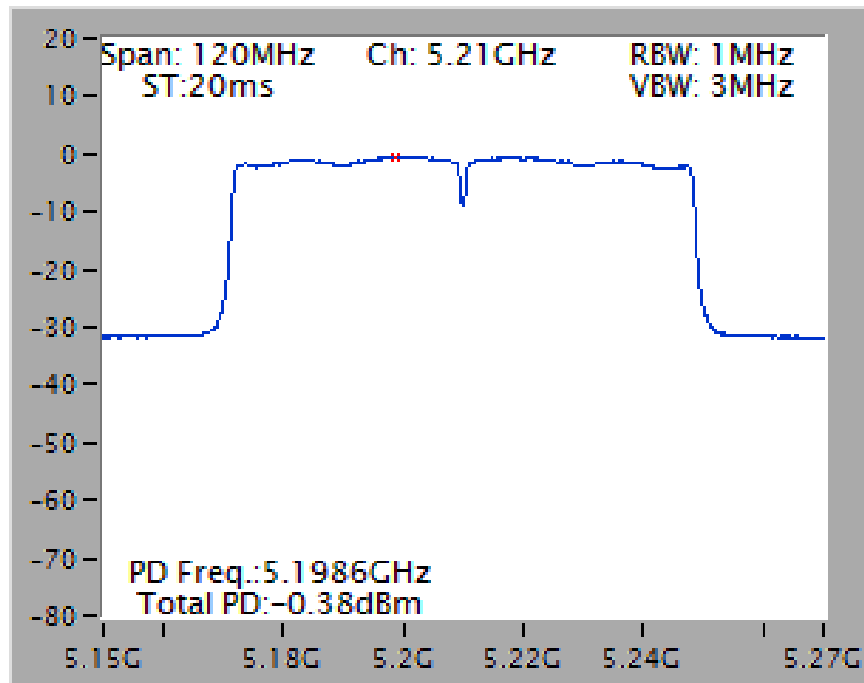
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz



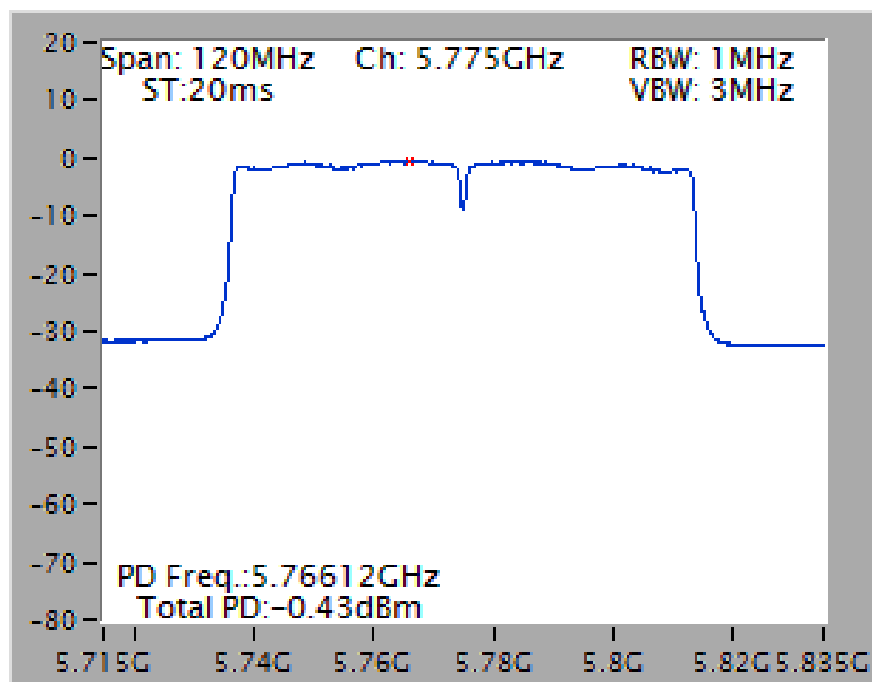
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5795 MHz



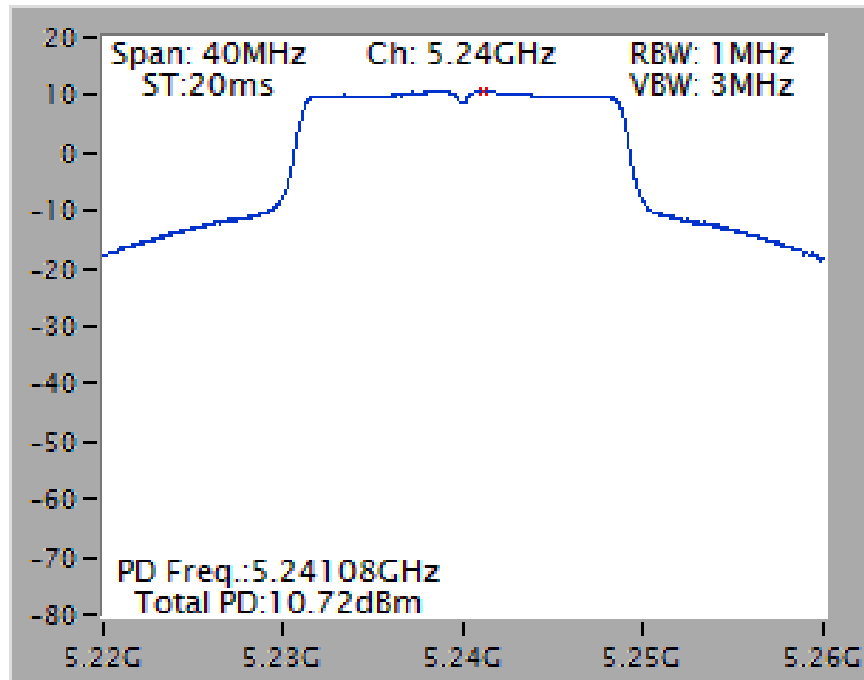
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz



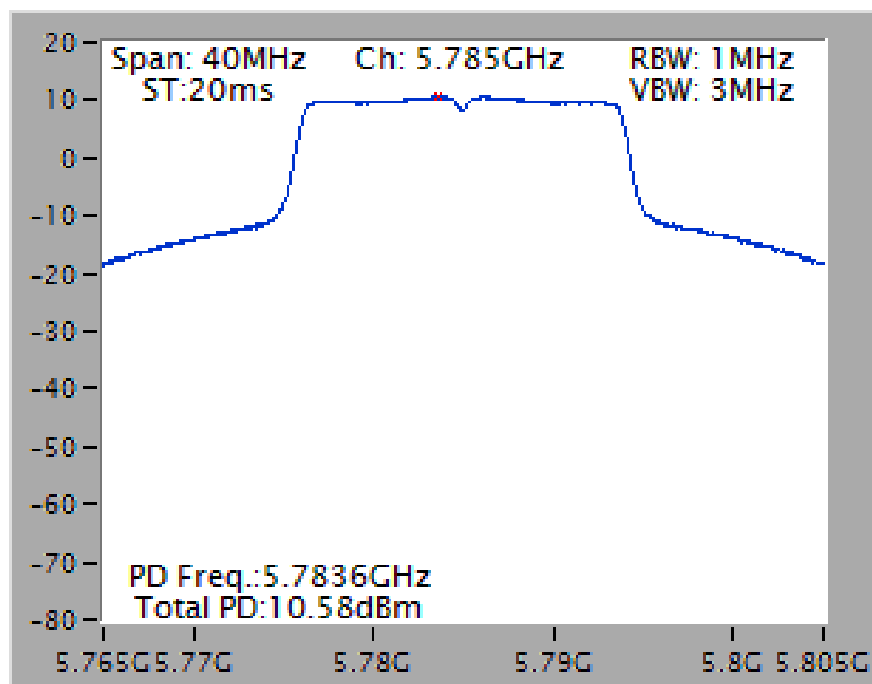
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5775 MHz



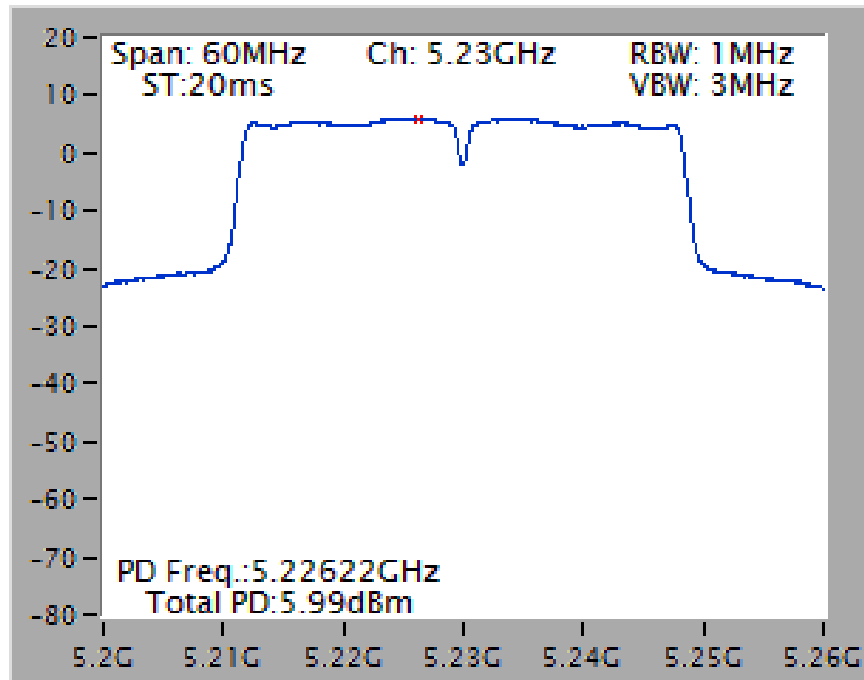
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 2TX)
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 / 5240 MHz



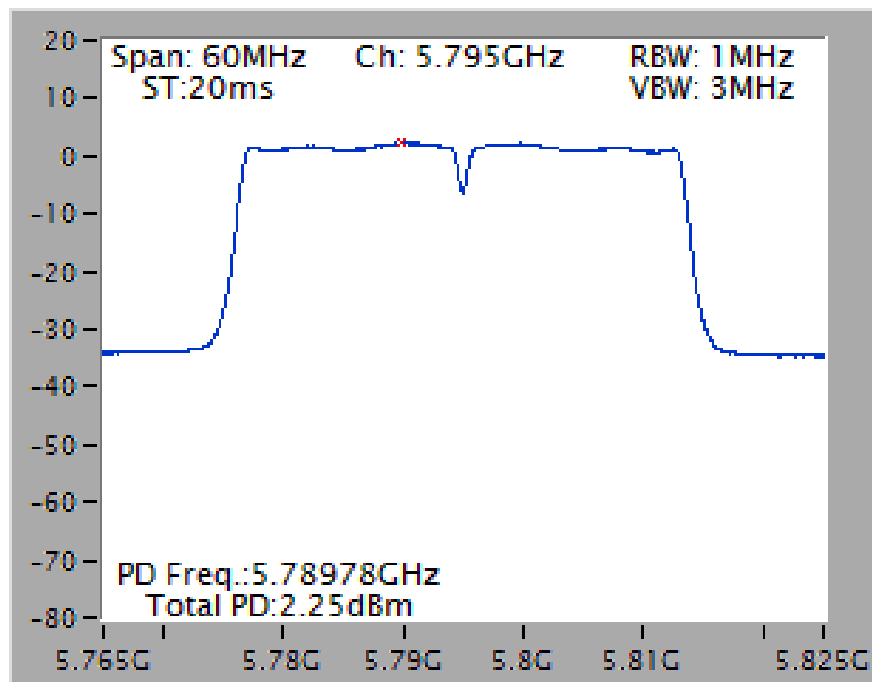
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 / 5785 MHz



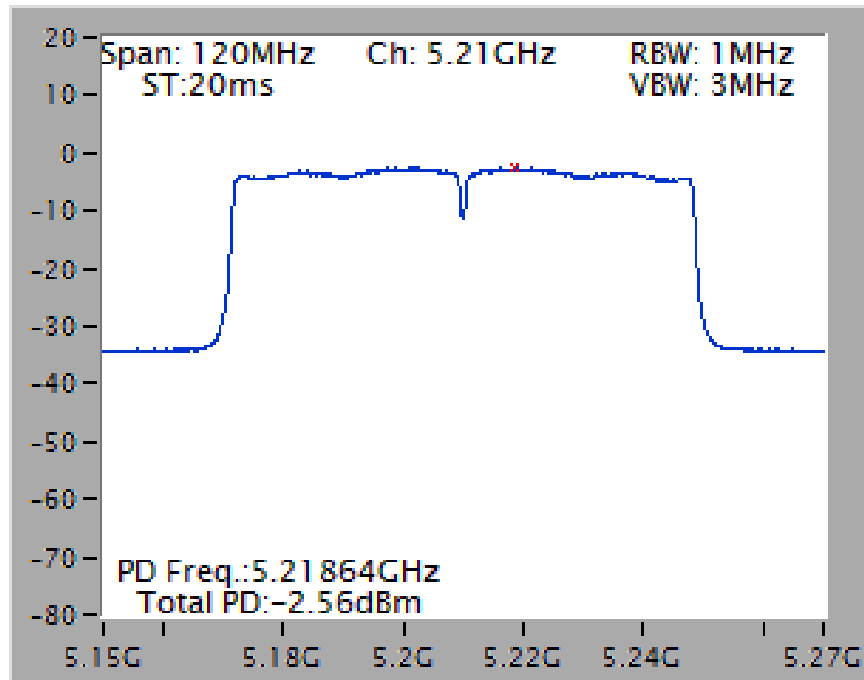
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 / 5230 MHz



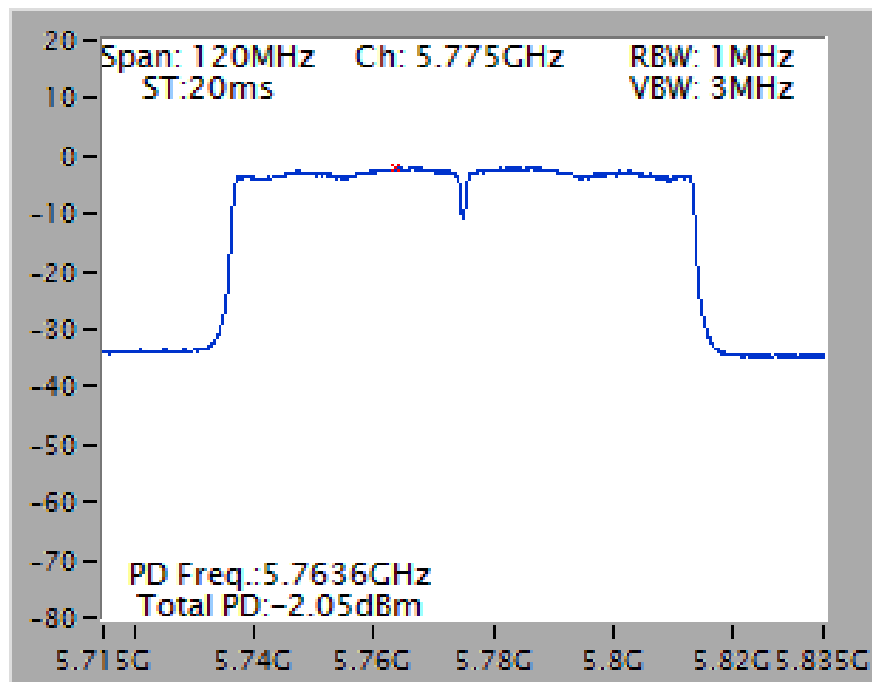
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 / 5795 MHz



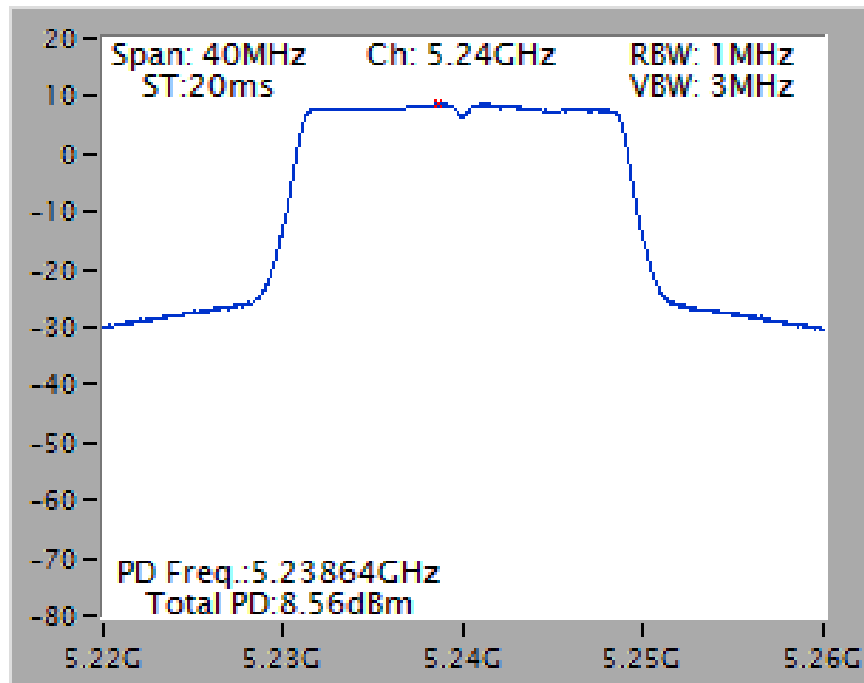
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 / 5210 MHz



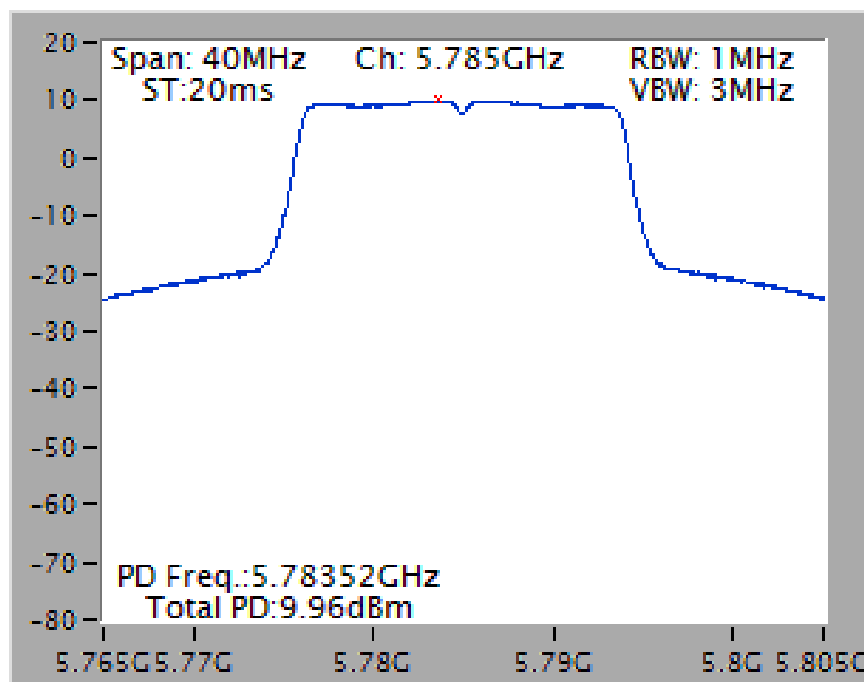
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 / 5775 MHz



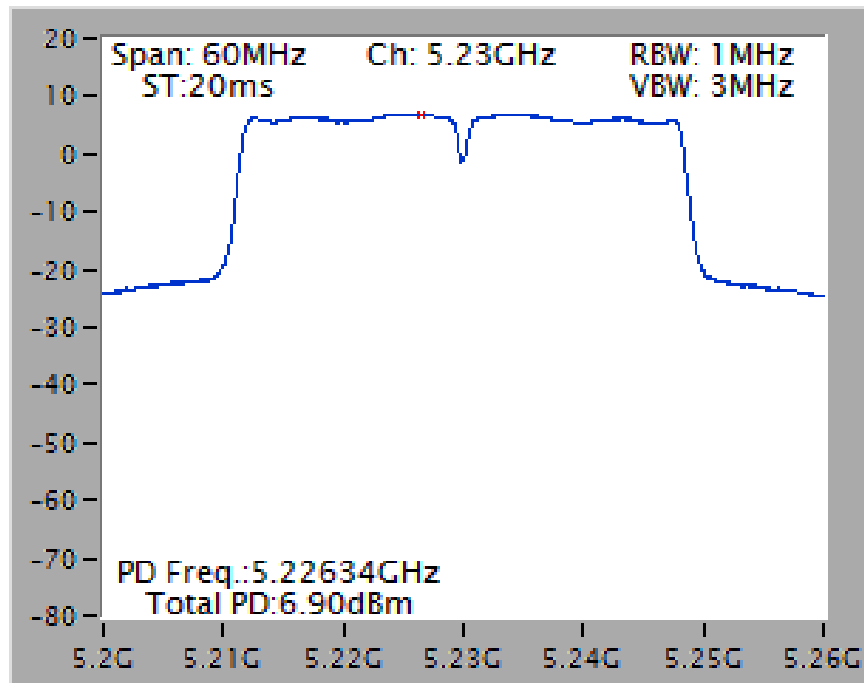
Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 3TX)
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5240 MHz



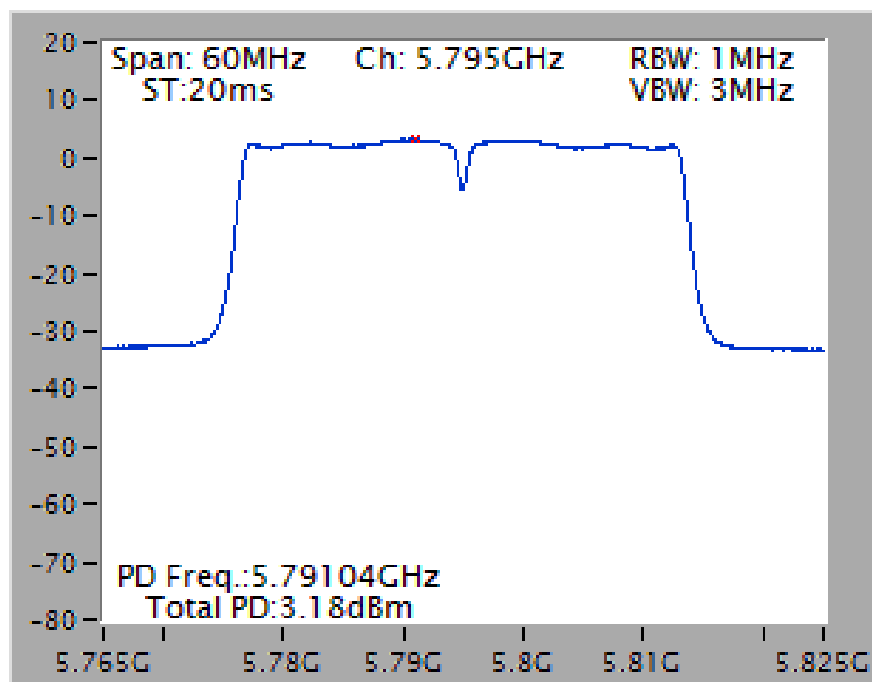
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 + Chain 5 + Chain 6 /
5785 MHz



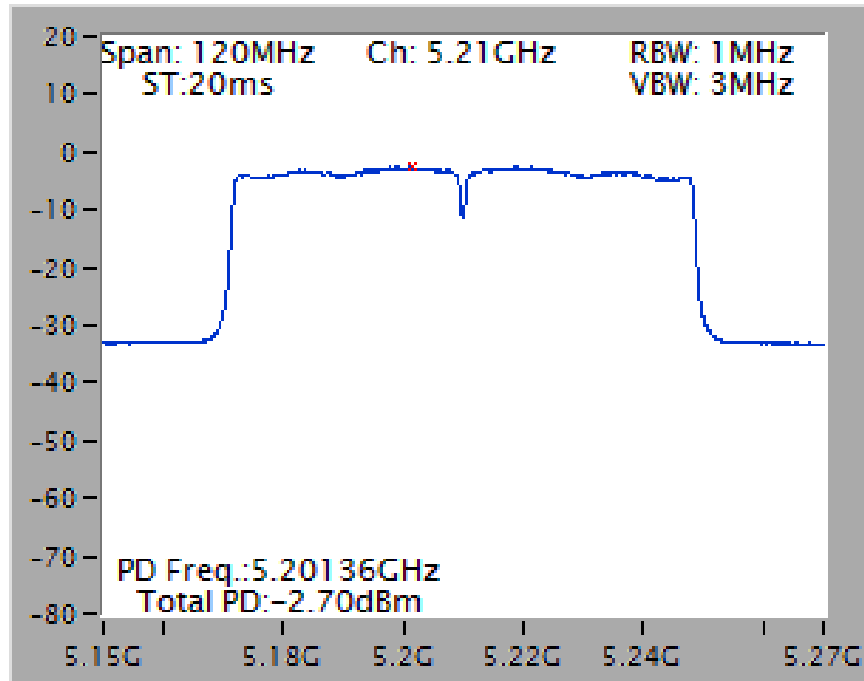
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5230 MHz



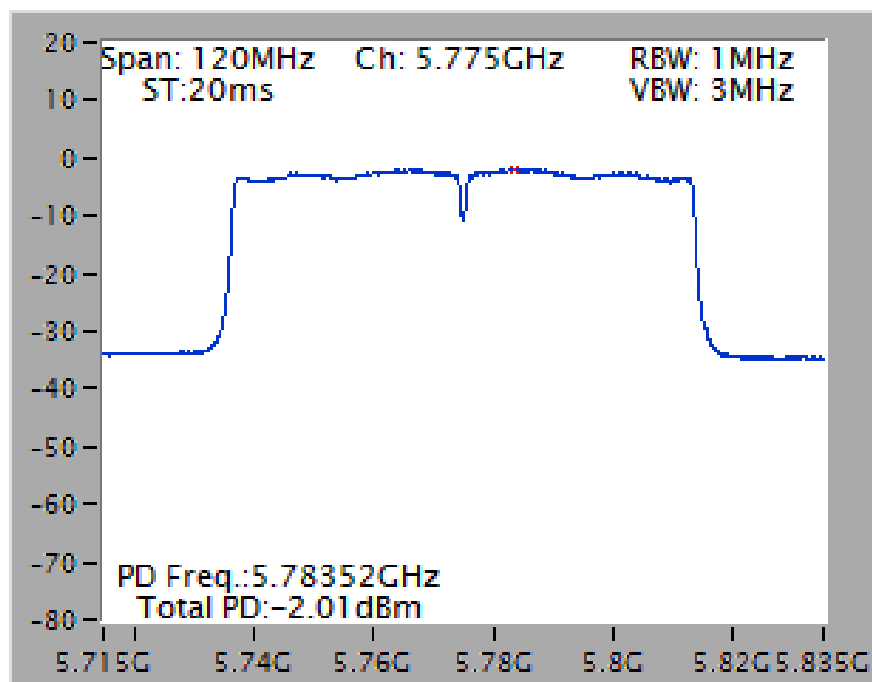
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 + Chain 5 + Chain 6 /
5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 + Chain 6 /
5210 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 + Chain 5 + Chain 6 /
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)	1 MHz / 3MHz for Peak, 1 MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1 MHz / 3MHz for peak

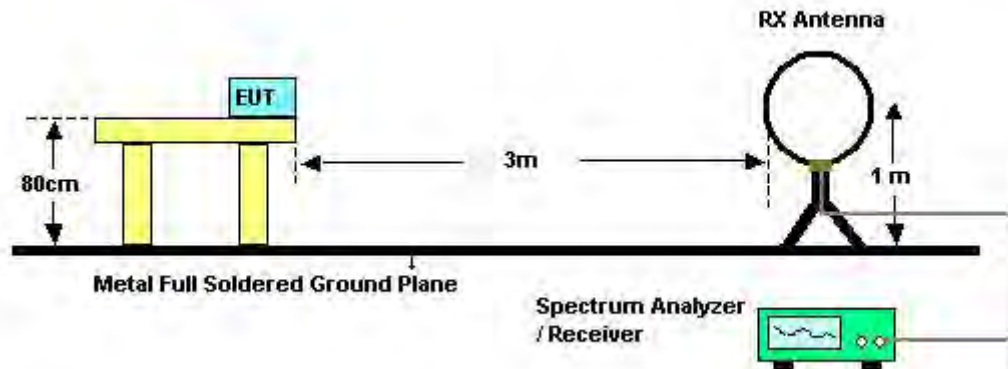
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

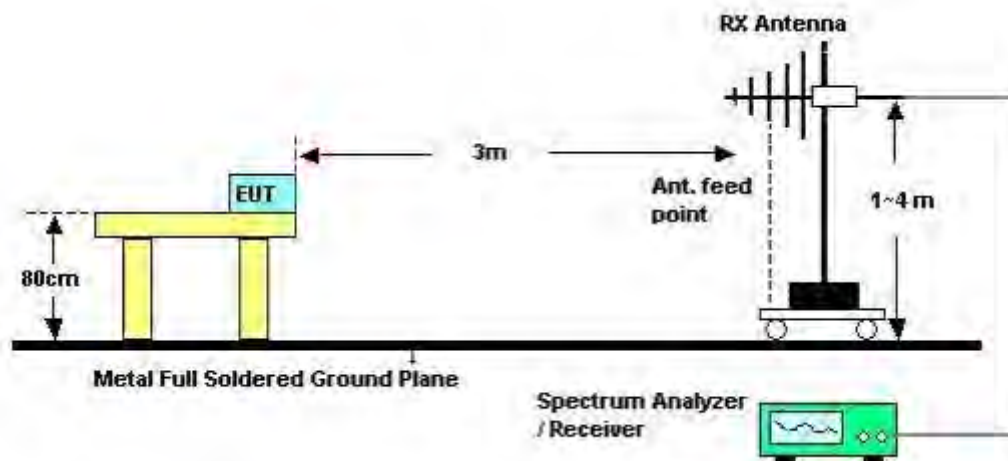
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting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

4.6.4. Test Setup Layout

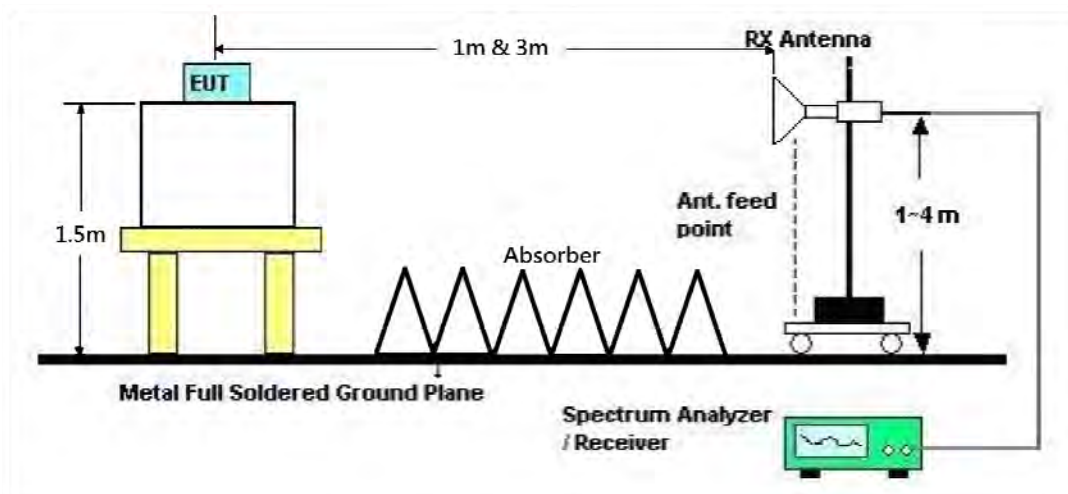
For Radiated Emissions: 9kHz ~30MHz



For Radiated Emissions: 30MHz~1GHz



For Radiated Emissions: Above 1GHz



4.6.5. Test Deviation

There is no deviation with the original standard.

4.6.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

For STBC mode:

The EUT was programmed to be in continuously transmitting mode.

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

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	Normal Link
Test Date	Jan. 14, 2015		

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

Note:

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

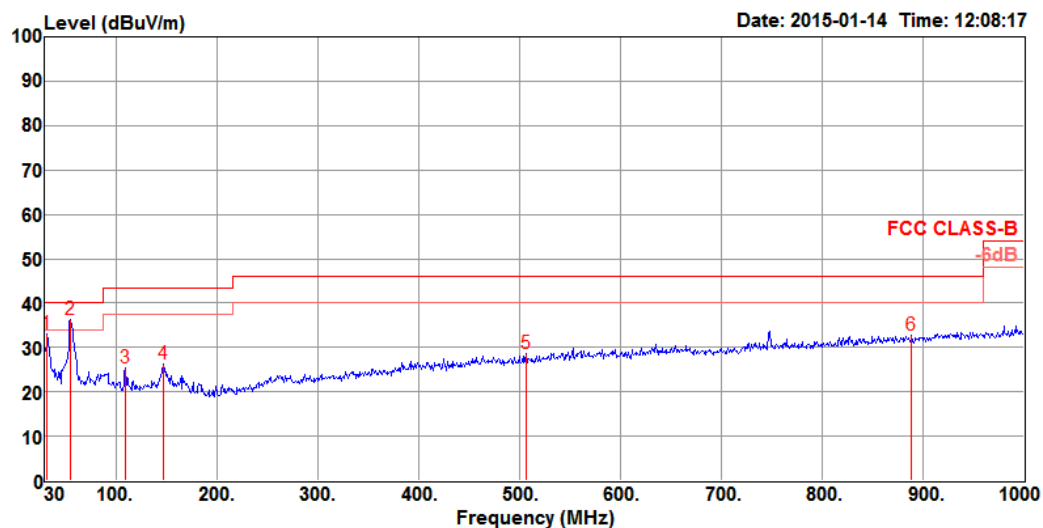
Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

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

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

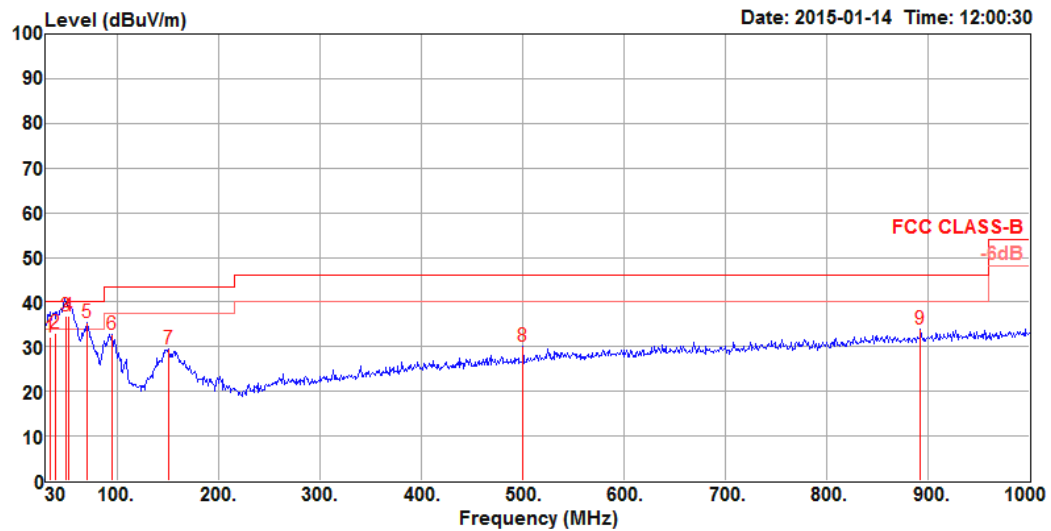
Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin, Hank Yang	Configurations	Normal Link

Horizontal



	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	Remark	A/Pos	T/Pos	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	31.94	33.12	40.00	-6.88	46.00	0.46	18.90	32.24 Peak	300	0	HORIZONTAL
2	55.22	36.16	40.00	-3.84	59.87	0.64	7.95	32.30 Peak	400	177	HORIZONTAL
3	109.54	25.44	43.50	-18.06	44.49	0.91	12.30	32.26 Peak	200	119	HORIZONTAL
4	147.37	26.26	43.50	-17.24	45.91	1.06	11.45	32.16 Peak	100	157	HORIZONTAL
5	506.27	28.49	46.00	-17.51	40.78	1.97	17.91	32.17 Peak	300	265	HORIZONTAL
6	888.45	32.66	46.00	-13.34	40.02	2.61	21.61	31.58 Peak	200	279	HORIZONTAL

Vertical



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp		A/Pos	T/Pos	
	MHz	dBuV/m	dBuV/m	Limit	Level	Loss	Factor	Factor	Remark	cm	deg
				dB	dBuV	dB	dB/m	dB			Pol/Phase
1	33.88	32.29	40.00	-7.71	46.30	0.49	17.73	32.23	QP	125	171 VERTICAL
2	38.73	33.18	40.00	-6.82	50.10	0.55	14.82	32.29	QP	100	236 VERTICAL
3	50.31	36.81	40.00	-3.19	59.60	0.61	8.93	32.33	QP	125	245 VERTICAL
4	52.43	36.96	40.00	-3.04	60.21	0.62	8.45	32.32	QP	125	350 VERTICAL
5	70.74	35.35	40.00	-4.65	60.07	0.73	6.86	32.31	Peak	150	311 VERTICAL
6	94.99	32.87	43.50	-10.63	54.00	0.85	10.17	32.15	Peak	100	14 VERTICAL
7	151.25	29.41	43.50	-14.09	49.34	1.07	11.15	32.15	Peak	100	0 VERTICAL
8	500.45	30.13	46.00	-15.87	42.51	1.96	17.81	32.15	Peak	100	158 VERTICAL
9	892.33	33.91	46.00	-12.09	41.19	2.62	21.64	31.54	Peak	125	122 VERTICAL

Note:

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

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

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

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

For Band 1 / Band 4 (Master and client without radar detection):

<For Non-Beamforming Mode>

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	deg	cm	
1	15541.60	58.70	74.00	-15.30	44.37	10.72	34.73	38.34	HORIZONTAL	181	126	Peak
2	15560.19	45.10	54.00	-8.90	30.80	10.72	34.73	38.31	HORIZONTAL	181	126	Average

Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	deg	cm	
1	15552.74	45.21	54.00	-8.79	30.88	10.72	34.73	38.34	VERTICAL	271	174	Average
2	15559.39	58.72	74.00	-15.28	44.46	10.72	34.73	38.27	VERTICAL	271	174	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15587.50	58.71	74.00	-15.29	44.41	10.76	34.74	38.28	HORIZONTAL	201	162	Peak
2	15599.68	45.46	54.00	-8.54	31.19	10.76	34.75	38.26	HORIZONTAL	201	162	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15588.62	44.98	54.00	-9.02	30.69	10.76	34.74	38.27	VERTICAL	316	198	Average
2	15604.17	57.87	74.00	-16.13	43.65	10.76	34.75	38.21	VERTICAL	316	198	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15716.79	45.95	54.00	-8.05	31.86	10.80	34.80	38.09	HORIZONTAL	34	159	Average
2	15720.00	58.82	74.00	-15.18	44.73	10.80	34.80	38.09	HORIZONTAL	34	159	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15719.44	59.88	74.00	-14.12	45.80	10.80	34.80	38.08	VERTICAL	344	160	Peak
2	15719.52	46.85	54.00	-7.15	32.77	10.80	34.80	38.08	VERTICAL	344	160	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11469.25	44.15	54.00	-9.85	30.19	9.07	35.03	39.92	HORIZONTAL	182	203	Average
2	11485.27	56.99	74.00	-17.01	43.04	9.07	35.03	39.91	HORIZONTAL	182	203	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11465.48	43.98	54.00	-10.02	30.04	9.05	35.03	39.92	VERTICAL	296	191	Average
2	11485.75	57.13	74.00	-16.87	43.19	9.07	35.03	39.90	VERTICAL	296	191	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11557.50	56.66	74.00	-17.34	42.81	9.10	35.03	39.78	HORIZONTAL	240	190	Peak
2	11567.92	43.43	54.00	-10.57	29.60	9.10	35.03	39.76	HORIZONTAL	240	190	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11550.05	43.48	54.00	-10.52	29.58	9.10	35.03	39.83	VERTICAL	280	174	Average
2	11591.96	56.97	74.00	-17.03	43.20	9.10	35.03	39.70	VERTICAL	280	174	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11640.38	56.75	74.00	-17.25	43.06	9.12	35.04	39.61	HORIZONTAL	251	162	Peak
2	11646.39	43.25	54.00	-10.75	29.57	9.12	35.04	39.60	HORIZONTAL	251	162	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11637.26	57.05	74.00	-16.95	43.34	9.12	35.04	39.63	VERTICAL	206	192	Peak
2	11674.20	43.26	54.00	-10.74	29.61	9.12	35.04	39.57	VERTICAL	206	192	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15553.65	44.14	54.00	-9.86	29.83	10.72	34.73	38.32	HORIZONTAL	242	177	Average
2	15570.00	57.06	74.00	-16.94	42.78	10.72	34.74	38.30	HORIZONTAL	242	177	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15563.03	44.08	54.00	-9.92	29.82	10.72	34.73	38.27	VERTICAL	218	171	Average
2	15585.87	57.07	74.00	-16.93	42.82	10.72	34.74	38.27	VERTICAL	218	171	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15588.61	57.25	74.00	-16.75	42.96	10.76	34.74	38.27	HORIZONTAL	80	196	Peak
2	15608.16	43.88	54.00	-10.12	29.62	10.76	34.75	38.25	HORIZONTAL	80	196	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15585.88	43.85	54.00	-10.15	29.60	10.72	34.74	38.27	VERTICAL	201	170	Average
2	15614.09	57.22	74.00	-16.78	43.00	10.76	34.75	38.21	VERTICAL	201	170	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11488.21	56.85	74.00	-17.15	42.90	9.07	35.03	39.91	HORIZONTAL	239	116	Peak
2	11492.05	43.98	54.00	-10.02	30.04	9.07	35.03	39.90	HORIZONTAL	239	116	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11503.51	43.86	54.00	-10.14	29.92	9.07	35.03	39.90	VERTICAL	146	164	Average
2	11511.28	56.37	74.00	-17.63	42.43	9.07	35.03	39.90	VERTICAL	146	164	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	deg	cm	
1	11582.71	43.62	54.00	-10.38	29.82	9.10	35.03	39.73	HORIZONTAL	50	151	Average
2	11595.37	56.27	74.00	-17.73	42.49	9.10	35.03	39.71	HORIZONTAL	50	151	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	deg	cm	
1	11565.48	43.66	54.00	-10.34	29.82	9.10	35.03	39.77	VERTICAL	354	193	Average
2	11570.53	56.37	74.00	-17.63	42.53	9.10	35.03	39.77	VERTICAL	354	193	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15611.17	57.38	74.00	-16.62	43.13	10.76	34.75	38.24	HORIZONTAL	160	190	Peak
2	15628.24	44.93	54.00	-9.07	30.71	10.76	34.76	38.22	HORIZONTAL	160	190	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15619.58	44.85	54.00	-9.15	30.64	10.76	34.76	38.21	VERTICAL	239	138	Average
2	15630.48	57.39	74.00	-16.61	43.18	10.76	34.76	38.21	VERTICAL	239	138	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 1TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11526.04	57.16	74.00	-16.84	43.27	9.07	35.03	39.85	HORIZONTAL	14	177	Peak
2	11547.76	44.71	54.00	-9.29	30.84	9.10	35.03	39.80	HORIZONTAL	14	177	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11534.94	44.28	54.00	-9.72	30.41	9.07	35.03	39.83	VERTICAL	322	123	Average
2	11573.56	57.05	74.00	-16.95	43.21	9.10	35.03	39.77	VERTICAL	322	123	Peak

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	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15559.39	43.36	54.00	-10.64	29.05	10.72	34.73	38.32	HORIZONTAL	330	165	Average
2	15563.32	56.84	74.00	-17.16	42.54	10.72	34.73	38.31	HORIZONTAL	330	165	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15521.81	57.41	74.00	-16.59	43.07	10.72	34.72	38.34	VERTICAL	230	130	Peak
2	15546.01	43.41	54.00	-10.59	29.08	10.72	34.73	38.34	VERTICAL	230	130	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15595.11	56.95	74.00	-17.05	42.67	10.76	34.75	38.27	HORIZONTAL	183	161	Peak
2	15600.48	43.80	54.00	-10.20	29.53	10.76	34.75	38.26	HORIZONTAL	183	161	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15575.72	43.28	54.00	-10.72	29.03	10.72	34.74	38.27	VERTICAL	76	141	Average
2	15615.54	56.57	74.00	-17.43	42.36	10.76	34.76	38.21	VERTICAL	76	141	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15719.60	43.33	54.00	-10.67	29.24	10.80	34.80	38.09	HORIZONTAL	296	156	Average
2	15729.62	57.29	74.00	-16.71	43.21	10.80	34.80	38.08	HORIZONTAL	296	156	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15699.33	43.23	54.00	-10.77	29.14	10.80	34.79	38.08	VERTICAL	224	161	Average
2	15741.47	57.10	74.00	-16.90	43.09	10.80	34.81	38.02	VERTICAL	224	161	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Pol/Phase	deg	cm	
1	11491.12	43.99	54.00	-10.01	30.04	9.07	35.03	39.91	HORIZONTAL	151	150	Average
2	11492.56	56.62	74.00	-17.38	42.68	9.07	35.03	39.90	HORIZONTAL	151	150	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Pol/Phase	deg	cm	
1	11471.01	43.19	54.00	-10.81	29.23	9.07	35.03	39.92	VERTICAL	232	169	Average
2	11476.22	56.86	74.00	-17.14	42.90	9.07	35.03	39.92	VERTICAL	232	169	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11555.02	42.74	54.00	-11.26	28.88	9.10	35.03	39.79	HORIZONTAL	139	194	Average
2	11588.27	56.27	74.00	-17.73	42.48	9.10	35.03	39.72	HORIZONTAL	139	194	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11555.18	55.87	74.00	-18.13	42.03	9.10	35.03	39.77	VERTICAL	222	197	Peak
2	11566.39	43.69	54.00	-10.31	29.85	9.10	35.03	39.77	VERTICAL	222	197	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11648.00	56.54	74.00	-17.46	42.86	9.12	35.04	39.60	HORIZONTAL	96	218	Peak
2	11671.39	42.53	54.00	-11.47	28.90	9.12	35.04	39.55	HORIZONTAL	96	218	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11629.33	56.52	74.00	-17.48	42.81	9.12	35.04	39.63	VERTICAL	200	223	Peak
2	11647.44	43.59	54.00	-10.41	29.88	9.12	35.04	39.63	VERTICAL	200	223	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15550.69	44.36	54.00	-9.64	30.04	10.72	34.73	38.33	HORIZONTAL	242	154	Average
2	15568.00	57.59	74.00	-16.41	43.31	10.72	34.74	38.30	HORIZONTAL	242	154	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15549.25	57.69	74.00	-16.31	43.36	10.72	34.73	38.34	VERTICAL	318	211	Peak
2	15568.32	44.55	54.00	-9.45	30.30	10.72	34.74	38.27	VERTICAL	318	211	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15696.73	57.25	74.00	-16.75	43.12	10.80	34.79	38.12	HORIZONTAL	180	183	Peak
2	15704.66	44.33	54.00	-9.67	30.21	10.80	34.79	38.11	HORIZONTAL	180	183	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15697.37	56.84	74.00	-17.16	42.75	10.80	34.79	38.08	VERTICAL	232	172	Peak
2	15711.63	44.32	54.00	-9.68	30.23	10.80	34.79	38.08	VERTICAL	232	172	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Pol/Phase	deg	cm	
1	11503.11	43.78	54.00	-10.22	29.85	9.07	35.03	39.89	HORIZONTAL	327	191	Average
2	11509.84	57.64	74.00	-16.36	43.72	9.07	35.03	39.88	HORIZONTAL	327	191	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Pol/Phase	deg	cm	
1	11488.61	43.84	54.00	-10.16	29.90	9.07	35.03	39.90	VERTICAL	90	198	Average
2	11518.89	57.24	74.00	-16.76	43.37	9.07	35.03	39.83	VERTICAL	90	198	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11568.29	43.55	54.00	-10.45	29.72	9.10	35.03	39.76	HORIZONTAL	162	202	Average
2	11588.72	56.74	74.00	-17.26	42.95	9.10	35.03	39.72	HORIZONTAL	162	202	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11574.70	43.42	54.00	-10.58	29.58	9.10	35.03	39.77	VERTICAL	136	208	Average
2	11584.95	56.00	74.00	-18.00	42.23	9.10	35.03	39.70	VERTICAL	136	208	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15607.80	57.96	74.00	-16.04	43.70	10.76	34.75	38.25	HORIZONTAL	225	179	Peak
2	15651.55	44.92	54.00	-9.08	30.74	10.76	34.77	38.19	HORIZONTAL	225	179	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15622.63	57.99	74.00	-16.01	43.78	10.76	34.76	38.21	VERTICAL	161	194	Peak
2	15627.04	44.94	54.00	-9.06	30.73	10.76	34.76	38.21	VERTICAL	161	194	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 4 + Chain 5
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 2TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	deg	cm	
1	11529.49	44.59	54.00	-9.41	30.71	9.07	35.03	39.84	HORIZONTAL	170	166	Average
2	11532.29	57.44	74.00	-16.56	43.57	9.07	35.03	39.83	HORIZONTAL	170	166	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	deg	cm	
1	11540.46	57.30	74.00	-16.70	43.40	9.10	35.03	39.83	VERTICAL	213	158	Peak
2	11545.91	44.31	54.00	-9.69	30.41	9.10	35.03	39.83	VERTICAL	213	158	Average

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	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15524.13	57.48	74.00	-16.52	43.11	10.72	34.72	38.37	HORIZONTAL	62	132	Peak
2	15544.57	43.25	54.00	-10.75	28.92	10.72	34.73	38.34	HORIZONTAL	62	132	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15540.40	56.41	74.00	-17.59	42.07	10.72	34.72	38.34	VERTICAL	133	161	Peak
2	15542.40	43.20	54.00	-10.80	28.87	10.72	34.73	38.34	VERTICAL	133	161	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15600.80	43.91	54.00	-10.09	29.64	10.76	34.75	38.26	HORIZONTAL	317	161	Average
2	15611.78	58.73	74.00	-15.27	44.48	10.76	34.75	38.24	HORIZONTAL	317	161	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15596.23	57.45	74.00	-16.55	43.17	10.76	34.75	38.27	VERTICAL	350	198	Peak
2	15600.80	44.02	54.00	-9.98	29.80	10.76	34.75	38.21	VERTICAL	350	198	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15707.66	57.20	74.00	-16.80	43.08	10.80	34.79	38.11	HORIZONTAL	9	173	Peak
2	15717.76	43.48	54.00	-10.52	29.39	10.80	34.80	38.09	HORIZONTAL	9	173	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15699.73	57.13	74.00	-16.87	43.04	10.80	34.79	38.08	VERTICAL	350	164	Peak
2	15717.60	43.32	54.00	-10.68	29.24	10.80	34.80	38.08	VERTICAL	350	164	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11480.54	42.99	54.00	-11.01	29.04	9.07	35.03	39.91	HORIZONTAL	288	145	Average
2	11484.31	57.75	74.00	-16.25	43.80	9.07	35.03	39.91	HORIZONTAL	288	145	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11470.85	42.99	54.00	-11.01	29.03	9.07	35.03	39.92	VERTICAL	254	136	Average
2	11499.62	56.89	74.00	-17.11	42.95	9.07	35.03	39.90	VERTICAL	254	136	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11549.89	42.54	54.00	-11.46	28.67	9.10	35.03	39.80	HORIZONTAL	93	152	Average
2	11565.35	56.16	74.00	-17.84	42.32	9.10	35.03	39.77	HORIZONTAL	93	152	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11553.73	42.56	54.00	-11.44	28.72	9.10	35.03	39.77	VERTICAL	161	177	Average
2	11566.71	56.68	74.00	-17.32	42.84	9.10	35.03	39.77	VERTICAL	161	177	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11650.64	42.82	54.00	-11.18	29.15	9.12	35.04	39.59	HORIZONTAL	269	204	Average
2	11664.74	55.80	74.00	-18.20	42.15	9.12	35.04	39.57	HORIZONTAL	269	204	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11656.97	42.41	54.00	-11.59	28.76	9.12	35.04	39.57	VERTICAL	197	149	Average
2	11667.71	55.56	74.00	-18.44	41.91	9.12	35.04	39.57	VERTICAL	197	149	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Pol/Phase	deg	cm	
1	15551.97	44.43	54.00	-9.57	30.11	10.72	34.73	38.33	HORIZONTAL	218	174	Average
2	15585.30	57.66	74.00	-16.34	43.40	10.72	34.74	38.28	HORIZONTAL	218	174	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	Loss	Factor	Factor	Pol/Phase	deg	cm	
1	15558.22	44.36	54.00	-9.64	30.10	10.72	34.73	38.27	VERTICAL	262	146	Average
2	15576.09	57.76	74.00	-16.24	43.51	10.72	34.74	38.27	VERTICAL	262	146	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15682.55	57.64	74.00	-16.36	43.52	10.76	34.78	38.14	HORIZONTAL	292	154	Peak
2	15698.33	44.27	54.00	-9.73	30.14	10.80	34.79	38.12	HORIZONTAL	292	154	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15700.10	57.29	74.00	-16.71	43.20	10.80	34.79	38.08	VERTICAL	235	183	Peak
2	15712.68	44.31	54.00	-9.69	30.22	10.80	34.79	38.08	VERTICAL	235	183	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11485.96	44.03	54.00	-9.97	30.08	9.07	35.03	39.91	HORIZONTAL	331	161	Average
2	11493.09	56.83	74.00	-17.17	42.89	9.07	35.03	39.90	HORIZONTAL	331	161	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11488.85	43.99	54.00	-10.01	30.05	9.07	35.03	39.90	VERTICAL	175	178	Average
2	11526.59	56.50	74.00	-17.50	42.63	9.07	35.03	39.83	VERTICAL	175	178	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	deg	cm	
1	11579.58	43.78	54.00	-10.22	29.97	9.10	35.03	39.74	HORIZONTAL	306	145	Average
2	11591.76	56.34	74.00	-17.66	42.56	9.10	35.03	39.71	HORIZONTAL	306	145	Peak

Vertical

	Freq	Level	Limit	Over	Read	Cable	Preamp	Antenna		T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m	Pol/Phase	deg	cm	
1	11565.24	43.79	54.00	-10.21	29.95	9.10	35.03	39.77	VERTICAL	202	144	Average
2	11614.44	57.07	74.00	-16.93	43.28	9.12	35.03	39.70	VERTICAL	202	144	Peak

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15617.58	57.37	74.00	-16.63	43.14	10.76	34.76	38.23	HORIZONTAL	270	131	Peak
2	15651.47	44.80	54.00	-9.20	30.62	10.76	34.77	38.19	HORIZONTAL	270	131	Average

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	15623.43	57.65	74.00	-16.35	43.44	10.76	34.76	38.21	VERTICAL	25	152	Peak
2	15647.31	44.94	54.00	-9.06	30.80	10.76	34.77	38.15	VERTICAL	25	152	Average

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 4 + Chain 5 + Chain 6
Test Date	Dec. 31, 2014		
Test Mode	Mode 1: (Ant.2 Dipole antenna / 7.3dBi / 3TX)		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11570.27	44.74	54.00	-9.26	30.91	9.10	35.03	39.76	HORIZONTAL	151	147	Average
2	11574.20	57.07	74.00	-16.93	43.25	9.10	35.03	39.75	HORIZONTAL	151	147	Peak

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Preamp Factor	Antenna Factor	Pol/Phase	T/Pos	A/Pos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB	dB/m		deg	cm	
1	11562.10	57.25	74.00	-16.75	43.41	9.10	35.03	39.77	VERTICAL	85	158	Peak
2	11573.24	44.50	54.00	-9.50	30.66	9.10	35.03	39.77	VERTICAL	85	158	Average

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	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	15523.40	48.31	54.00	-5.69	31.97	12.58	38.48	34.72	60	223	Average	HORIZONTAL
2	15553.60	61.56	74.00	-12.44	45.28	12.58	38.43	34.73	60	223	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	15534.50	48.28	54.00	-5.72	31.97	12.58	38.45	34.72	318	176	Average	VERTICAL
2	15534.80	61.26	74.00	-12.74	44.95	12.58	38.45	34.72	318	176	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	15583.80	47.53	54.00	-6.47	31.31	12.58	38.38	34.74	128	238	Average	HORIZONTAL
2	15621.60	60.94	74.00	-13.06	44.79	12.58	38.33	34.76	128	238	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	15579.60	47.60	54.00	-6.40	31.38	12.58	38.38	34.74	244	199	Average	VERTICAL
2	15583.10	60.89	74.00	-13.11	44.67	12.58	38.38	34.74	244	199	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	15719.90	47.04	54.00	-6.96	31.08	12.57	38.19	34.80	227	227	Average	HORIZONTAL
2	15721.10	60.36	74.00	-13.64	44.40	12.57	38.19	34.80	227	227	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	15709.70	61.89	74.00	-12.11	45.90	12.57	38.21	34.79	338	213	Peak	VERTICAL
2	15714.30	48.13	54.00	-5.87	32.17	12.57	38.19	34.80	338	213	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	11472.00	55.43	74.00	-18.57	40.38	10.71	39.37	35.03	150	221	Peak	HORIZONTAL
2	11508.10	42.83	54.00	-11.17	27.74	10.72	39.40	35.03	150	221	Average	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	11472.70	56.05	74.00	-17.95	41.00	10.71	39.37	35.03	147	195	Peak	VERTICAL
2	11508.40	42.76	54.00	-11.24	27.67	10.72	39.40	35.03	147	195	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	11589.80	43.41	54.00	-10.59	28.23	10.76	39.45	35.03	247	195	Average	HORIZONTAL
2	11591.20	56.71	74.00	-17.29	41.53	10.76	39.45	35.03	247	195	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	11570.10	57.28	74.00	-16.72	42.11	10.76	39.44	35.03	277	219	Peak	VERTICAL
2	11590.40	43.51	54.00	-10.49	28.33	10.76	39.45	35.03	277	219	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	11658.40	56.91	74.00	-17.09	41.65	10.81	39.49	35.04	192	201	Peak	HORIZONTAL
2	11667.50	44.49	54.00	-9.51	29.22	10.81	39.50	35.04	192	201	Average	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	11664.70	57.39	74.00	-16.61	42.13	10.81	39.49	35.04	120	173	Peak	VERTICAL
2	11667.30	44.35	54.00	-9.65	29.09	10.81	39.49	35.04	120	173	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	15551.90	47.81	54.00	-6.19	31.53	12.58	38.43	34.73	284	197	Average	HORIZONTAL
2	15572.10	60.55	74.00	-13.45	44.31	12.58	38.40	34.74	284	197	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	15553.00	61.50	74.00	-12.50	45.22	12.58	38.43	34.73	325	217	Peak	VERTICAL
2	15555.10	48.26	54.00	-5.74	31.98	12.58	38.43	34.73	325	217	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	15625.20	47.71	54.00	-6.29	31.56	12.58	38.33	34.76	194	217	Average	HORIZONTAL
2	15636.60	60.07	74.00	-13.93	43.94	12.58	38.31	34.76	194	217	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	15606.20	47.62	54.00	-6.38	31.43	12.58	38.36	34.75	127	238	Average	VERTICAL
2	15610.20	60.36	74.00	-13.64	44.17	12.58	38.36	34.75	127	238	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	11505.10	56.35	74.00	-17.65	41.26	10.72	39.40	35.03	117	206	Peak	HORIZONTAL
2	11526.20	43.07	54.00	-10.93	27.96	10.73	39.41	35.03	117	206	Average	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	11524.30	56.29	74.00	-17.71	41.18	10.73	39.41	35.03	256	200	Peak	VERTICAL
2	11533.60	43.40	54.00	-10.60	28.28	10.73	39.42	35.03	256	200	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	11612.50	56.80	74.00	-17.20	41.59	10.78	39.46	35.03	144	227	Peak	HORIZONTAL
2	11612.60	44.06	54.00	-9.94	28.85	10.78	39.46	35.03	144	227	Average	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	11610.70	44.16	54.00	-9.84	28.95	10.78	39.46	35.03	284	189	Average	VERTICAL
2	11613.60	57.18	74.00	-16.82	41.97	10.78	39.46	35.03	284	189	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	15612.60	60.42	74.00	-13.58	44.26	12.58	38.33	34.75	221	205	Peak	HORIZONTAL
2	15641.50	48.40	54.00	-5.60	32.28	12.58	38.31	34.77	221	205	Average	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	15606.20	48.36	54.00	-5.64	32.17	12.58	38.36	34.75	301	193	Average	VERTICAL
2	15635.30	60.63	74.00	-13.37	44.50	12.58	38.31	34.76	301	193	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 4
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 1TX)		

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	11557.40	56.10	74.00	-17.90	40.95	10.75	39.43	35.03	159	183	Peak	HORIZONTAL
2	11573.00	44.56	54.00	-9.44	29.39	10.76	39.44	35.03	159	183	Average	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	11553.30	56.35	74.00	-17.65	41.20	10.75	39.43	35.03	92	174	Peak	VERTICAL
2	11573.10	44.77	54.00	-9.23	29.60	10.76	39.44	35.03	92	174	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	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	15524.00	46.76	54.00	-7.24	30.42	12.58	38.48	34.72	174	176	Average	HORIZONTAL
2	15544.80	60.13	74.00	-13.87	43.85	12.58	38.43	34.73	174	176	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	15517.40	60.18	74.00	-13.82	43.84	12.58	38.48	34.72	68	191	Peak	VERTICAL
2	15520.80	46.72	54.00	-7.28	30.38	12.58	38.48	34.72	68	191	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	15592.10	46.28	54.00	-7.72	30.07	12.58	38.38	34.75	194	190	Average	HORIZONTAL
2	15595.10	59.86	74.00	-14.14	43.67	12.58	38.36	34.75	194	190	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	15584.10	59.92	74.00	-14.08	43.70	12.58	38.38	34.74	156	209	Peak	VERTICAL
2	15585.00	46.21	54.00	-7.79	29.99	12.58	38.38	34.74	156	209	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	15724.80	45.81	54.00	-8.19	29.85	12.57	38.19	34.80	68	205	Average	HORIZONTAL
2	15742.30	58.92	74.00	-15.08	43.00	12.57	38.16	34.81	68	205	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	15717.40	47.71	54.00	-6.29	31.75	12.57	38.19	34.80	360	204	Average	VERTICAL
2	15717.70	61.22	74.00	-12.78	45.26	12.57	38.19	34.80	360	204	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	11495.40	55.35	74.00	-18.65	40.27	10.72	39.39	35.03	230	170	Peak	HORIZONTAL
2	11511.10	41.90	54.00	-12.10	26.81	10.72	39.40	35.03	230	170	Average	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	11466.00	54.62	74.00	-19.38	39.58	10.70	39.37	35.03	145	201	Peak	VERTICAL
2	11511.10	41.87	54.00	-12.13	26.78	10.72	39.40	35.03	145	201	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	11572.30	56.12	74.00	-17.88	40.95	10.76	39.44	35.03	243	225	Peak	HORIZONTAL
2	11578.80	43.03	54.00	-10.97	27.86	10.76	39.44	35.03	243	225	Average	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	11560.80	56.30	74.00	-17.70	41.15	10.75	39.43	35.03	204	208	Peak	VERTICAL
2	11572.70	42.96	54.00	-11.04	27.79	10.76	39.44	35.03	204	208	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	11664.40	43.95	54.00	-10.05	28.69	10.81	39.49	35.04	173	195	Average	HORIZONTAL
2	11667.10	57.70	74.00	-16.30	42.44	10.81	39.49	35.04	173	195	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	11661.70	57.63	74.00	-16.37	42.37	10.81	39.49	35.04	164	206	Peak	VERTICAL
2	11670.20	43.91	54.00	-10.09	28.64	10.81	39.50	35.04	164	206	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	15545.10	59.51	74.00	-14.49	43.23	12.58	38.43	34.73	222	229	Peak	HORIZONTAL
2	15549.90	47.42	54.00	-6.58	31.14	12.58	38.43	34.73	222	229	Average	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	15553.80	47.44	54.00	-6.56	31.16	12.58	38.43	34.73	158	207	Average	VERTICAL
2	15567.60	61.05	74.00	-12.95	44.81	12.58	38.40	34.74	158	207	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	15670.10	46.72	54.00	-7.28	30.66	12.58	38.26	34.78	166	218	Average	HORIZONTAL
2	15679.90	59.35	74.00	-14.65	43.32	12.58	38.23	34.78	166	218	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	15690.00	46.82	54.00	-7.18	30.80	12.58	38.23	34.79	124	202	Average	VERTICAL
2	15707.50	59.25	74.00	-14.75	43.26	12.57	38.21	34.79	124	202	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	11524.70	55.13	74.00	-18.87	40.02	10.73	39.41	35.03	254	197	Peak	HORIZONTAL
2	11533.80	43.08	54.00	-10.92	27.96	10.73	39.42	35.03	254	197	Average	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	11499.60	55.92	74.00	-18.08	40.83	10.72	39.40	35.03	285	206	Peak	VERTICAL
2	11521.10	43.10	54.00	-10.90	27.99	10.73	39.41	35.03	285	206	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	11566.80	56.23	74.00	-17.77	41.07	10.75	39.44	35.03	190	193	Peak	HORIZONTAL
2	11610.20	44.12	54.00	-9.88	28.91	10.78	39.46	35.03	190	193	Average	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	11606.60	44.20	54.00	-9.80	28.99	10.78	39.46	35.03	179	203	Average	VERTICAL
2	11614.90	56.92	74.00	-17.08	41.72	10.78	39.46	35.04	179	203	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	15607.50	48.24	54.00	-5.76	32.05	12.58	38.36	34.75	187	210	Average	HORIZONTAL
2	15612.80	60.12	74.00	-13.88	43.96	12.58	38.33	34.75	187	210	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	15613.90	48.16	54.00	-5.84	32.00	12.58	38.33	34.75	226	203	Average	VERTICAL
2	15619.10	60.15	74.00	-13.85	44.00	12.58	38.33	34.76	226	203	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 4 + Chain 5
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 2TX)		

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	11540.80	55.91	74.00	-18.09	40.79	10.73	39.42	35.03	165	208	Peak	HORIZONTAL
2	11566.90	44.86	54.00	-9.14	29.70	10.75	39.44	35.03	165	208	Average	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	11564.80	56.00	74.00	-18.00	40.85	10.75	39.43	35.03	159	196	Peak	VERTICAL
2	11564.90	44.61	54.00	-9.39	29.46	10.75	39.43	35.03	159	196	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	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	15519.10	46.94	54.00	-7.06	30.60	12.58	38.48	34.72	240	193	Average	HORIZONTAL
2	15546.40	60.92	74.00	-13.08	44.64	12.58	38.43	34.73	240	193	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	15519.40	46.95	54.00	-7.05	30.61	12.58	38.48	34.72	159	186	Average	VERTICAL
2	15524.30	60.57	74.00	-13.43	44.23	12.58	38.48	34.72	159	186	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	15583.50	46.38	54.00	-7.62	30.16	12.58	38.38	34.74	154	209	Average	HORIZONTAL
2	15589.70	60.39	74.00	-13.61	44.17	12.58	38.38	34.74	154	209	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	15579.30	46.43	54.00	-7.57	30.21	12.58	38.38	34.74	150	222	Average	VERTICAL
2	15609.00	60.24	74.00	-13.76	44.05	12.58	38.36	34.75	150	222	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	15716.00	45.90	54.00	-8.10	29.94	12.57	38.19	34.80	152	179	Average	HORIZONTAL
2	15734.00	60.19	74.00	-13.81	44.26	12.57	38.16	34.80	152	179	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	15709.10	45.71	54.00	-8.29	29.72	12.57	38.21	34.79	114	169	Average	VERTICAL
2	15713.90	59.70	74.00	-14.30	43.74	12.57	38.19	34.80	114	169	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	11487.10	54.97	74.00	-19.03	39.90	10.71	39.39	35.03	119	176	Peak	HORIZONTAL
2	11508.30	42.05	54.00	-11.95	26.96	10.72	39.40	35.03	119	176	Average	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	11489.70	54.65	74.00	-19.35	39.58	10.71	39.39	35.03	107	188	Peak	VERTICAL
2	11510.80	42.09	54.00	-11.91	27.00	10.72	39.40	35.03	107	188	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	11584.80	56.13	74.00	-17.87	40.95	10.76	39.45	35.03	194	187	Peak	HORIZONTAL
2	11592.80	42.82	54.00	-11.18	27.64	10.76	39.45	35.03	194	187	Average	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	11591.70	57.13	74.00	-16.87	41.95	10.76	39.45	35.03	215	206	Peak	VERTICAL
2	11592.90	42.72	54.00	-11.28	27.54	10.76	39.45	35.03	215	206	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	11665.30	57.26	74.00	-16.74	42.00	10.81	39.49	35.04	206	186	Peak	HORIZONTAL
2	11673.10	43.76	54.00	-10.24	28.48	10.82	39.50	35.04	206	186	Average	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	11661.30	57.52	74.00	-16.48	42.26	10.81	39.49	35.04	200	197	Peak	VERTICAL
2	11672.90	43.79	54.00	-10.21	28.51	10.82	39.50	35.04	200	197	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	15550.10	47.67	54.00	-6.33	31.39	12.58	38.43	34.73	83	217	Average	HORIZONTAL
2	15564.00	60.76	74.00	-13.24	44.51	12.58	38.40	34.73	83	217	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	15565.90	47.64	54.00	-6.36	31.40	12.58	38.40	34.74	247	156	Average	VERTICAL
2	15591.50	60.09	74.00	-13.91	43.88	12.58	38.38	34.75	247	156	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	15681.70	46.75	54.00	-7.25	30.72	12.58	38.23	34.78	298	195	Average	HORIZONTAL
2	15684.40	60.05	74.00	-13.95	44.02	12.58	38.23	34.78	298	195	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	15696.00	59.55	74.00	-14.45	43.53	12.58	38.23	34.79	320	188	Peak	VERTICAL
2	15696.70	46.74	54.00	-7.26	30.74	12.58	38.21	34.79	320	188	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	11520.20	55.60	74.00	-18.40	40.49	10.73	39.41	35.03	264	220	Peak	HORIZONTAL
2	11530.80	42.99	54.00	-11.01	27.88	10.73	39.41	35.03	264	220	Average	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	11518.70	43.06	54.00	-10.94	27.96	10.72	39.41	35.03	247	220	Average	VERTICAL
2	11522.40	56.19	74.00	-17.81	41.08	10.73	39.41	35.03	247	220	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	11573.10	56.48	74.00	-17.52	41.31	10.76	39.44	35.03	242	184	Peak	HORIZONTAL
2	11608.50	44.24	54.00	-9.76	29.03	10.78	39.46	35.03	242	184	Average	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	11577.90	56.76	74.00	-17.24	41.59	10.76	39.44	35.03	248	206	Peak	VERTICAL
2	11609.90	43.99	54.00	-10.01	28.78	10.78	39.46	35.03	248	206	Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	15609.30	48.15	54.00	-5.85	31.96	12.58	38.36	34.75	182	224	Average	HORIZONTAL
2	15635.10	59.77	74.00	-14.23	43.64	12.58	38.31	34.76	182	224	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	15613.80	48.39	54.00	-5.61	32.23	12.58	38.33	34.75	159	175	Average	VERTICAL
2	15636.80	60.69	74.00	-13.31	44.56	12.58	38.31	34.76	159	175	Peak	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 4 + Chain 5 + Chain 6
Test Date	Jan. 02, 2015		
Test Mode	Mode 2: (Ant.8 Panel antenna / 5.1dBi / 3TX)		

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	11564.50	56.07	74.00	-17.93	40.92	10.75	39.43	35.03	275	178	Peak	HORIZONTAL
2	11575.00	43.72	54.00	-10.28	28.55	10.76	39.44	35.03	275	178	Average	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	11559.40	56.41	74.00	-17.59	41.26	10.75	39.43	35.03	174	198	Peak	VERTICAL
2	11570.50	44.64	54.00	-9.36	29.47	10.76	39.44	35.03	174	198	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	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 4
Test Date	Dec. 29, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

Horizontal

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15532.40	47.55	54.00	-6.45	31.24	12.58	38.45	34.72	150	100 Average	HORIZONTAL
2	15542.84	61.05	74.00	-12.95	44.75	12.58	38.45	34.73	150	100 Peak	HORIZONTAL

Vertical

	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	15534.08	61.86	74.00	-12.14	45.55	12.58	38.45	34.72	180	100 Peak	VERTICAL
2	15534.32	47.64	54.00	-6.36	31.33	12.58	38.45	34.72	180	100 Average	VERTICAL

Temperature	23°C	Humidity	61%
Test Engineer	Mars Lin	Configurations	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 4
Test Date	Dec. 29, 2014		
Test Mode	Mode 3: (Ant.9 CROSS-POLARIZED PANEL ANTENNA / Chain 4: 8.3, Chain 5: 5.9, Chain 6: 8.2dBi / 1TX)		

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	15592.48	47.09	54.00	-6.91	30.88	12.58	38.38	34.75	280	100	Average	HORIZONTAL
2	15594.08	61.20	74.00	-12.80	44.99	12.58	38.38	34.75	280	100	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	15599.20	46.92	54.00	-7.08	30.73	12.58	38.36	34.75	175	100	Average	VERTICAL
2	15600.92	60.54	74.00	-13.46	44.35	12.58	38.36	34.75	175	100	Peak	VERTICAL