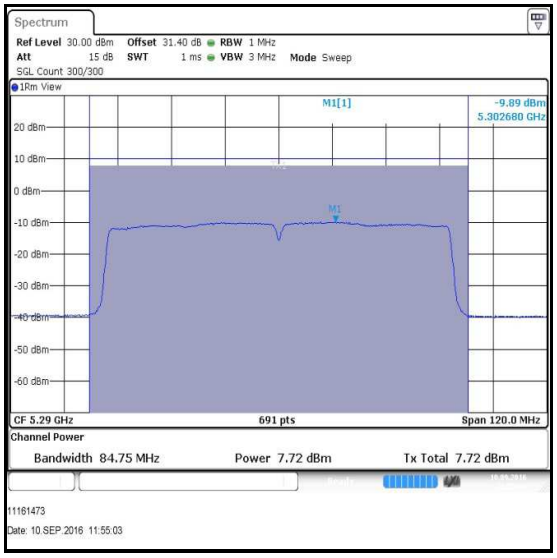
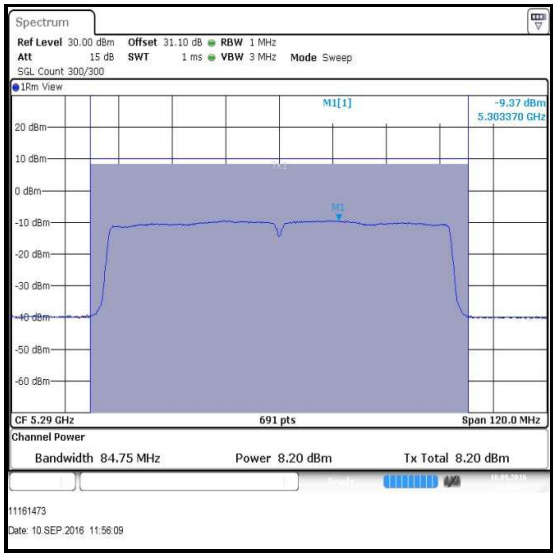
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

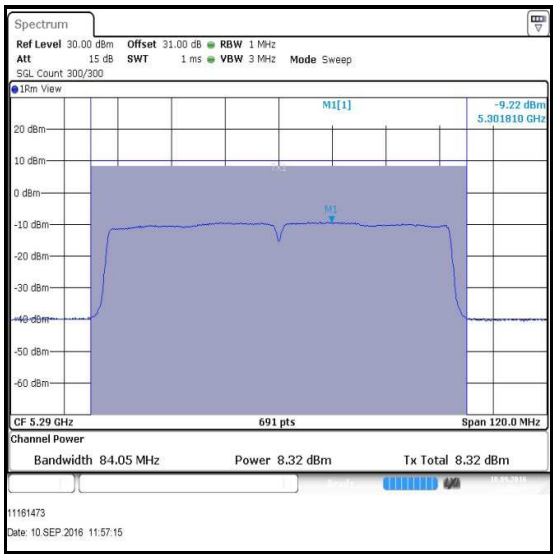
Results: 802.11ac / VHT80 / MIMO / 3Tx CDD / MCS0x1 / 5.25-5.35 GHz band



Single Channel / Port 1



Single Channel / Port 2



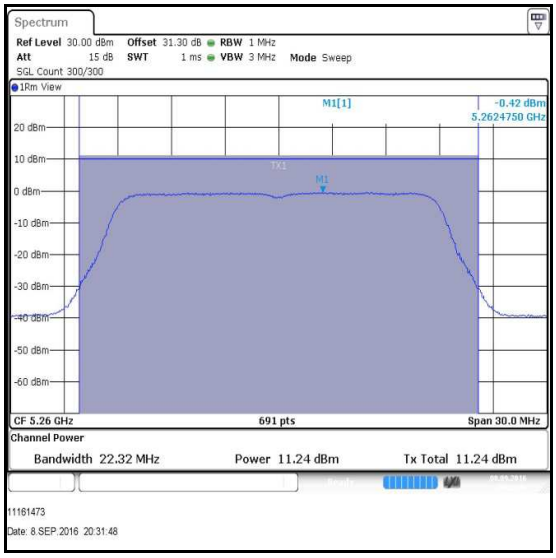
Single Channel / Port 3

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

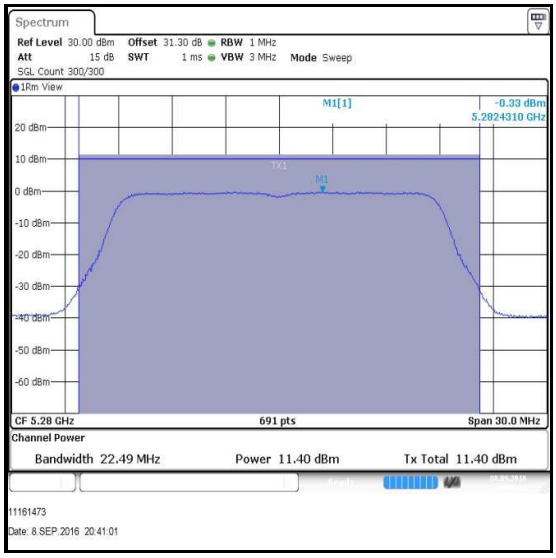
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / Ports 1, 2, 3 / 5.25-5.35 GHz band

Channel	Frequency (MHz)	Conducted Power Port 1 (dBm)	Conducted Power Port 2 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	11.2	12.0	11.6	16.4	23.7	7.3	Complied
Middle	5280	11.4	12.1	12.1	16.7	23.7	7.0	Complied
Top	5320	11.8	12.1	12.2	16.8	23.7	6.9	Complied

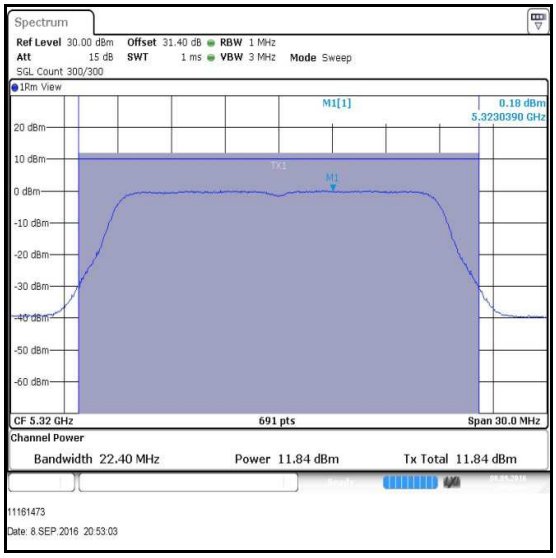
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / 5.25-5.35 GHz band / Port 1



Bottom Channel



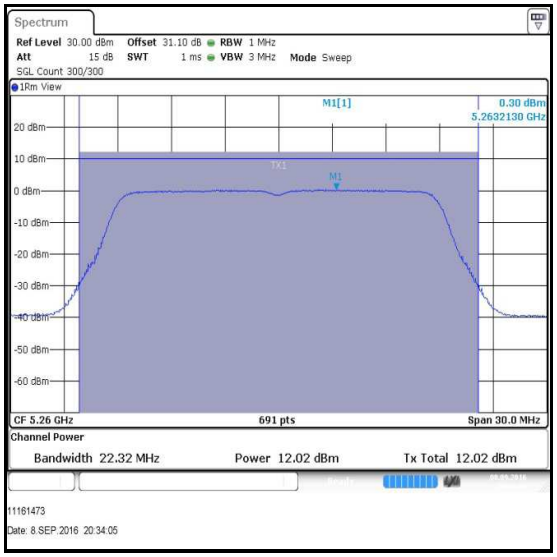
Middle Channel



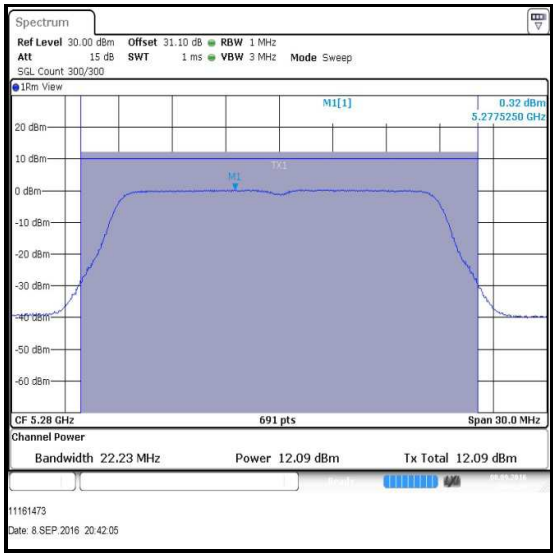
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

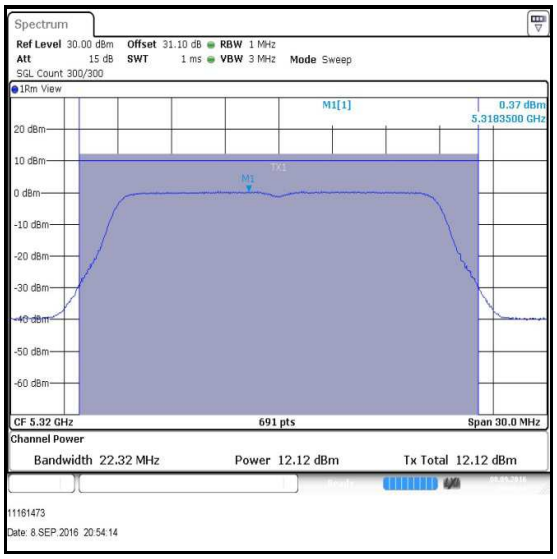
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / 5.25-5.35 GHz band / Port 2



Bottom Channel



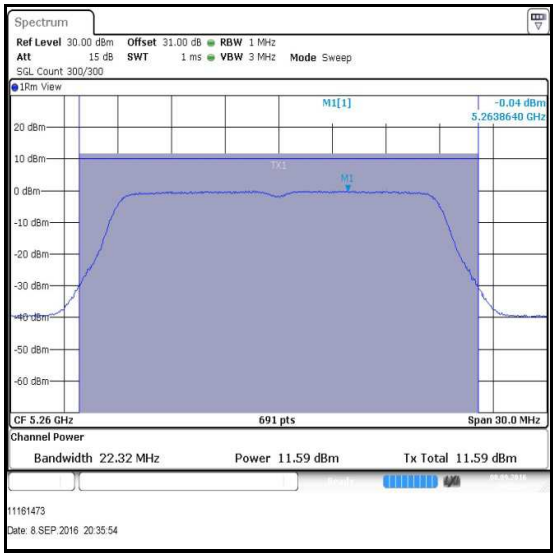
Middle Channel



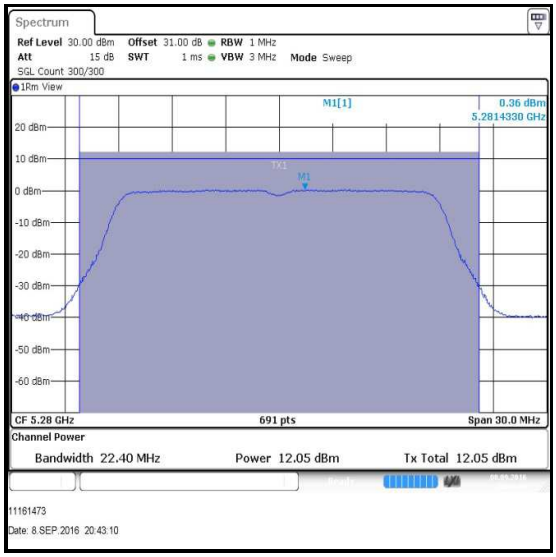
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

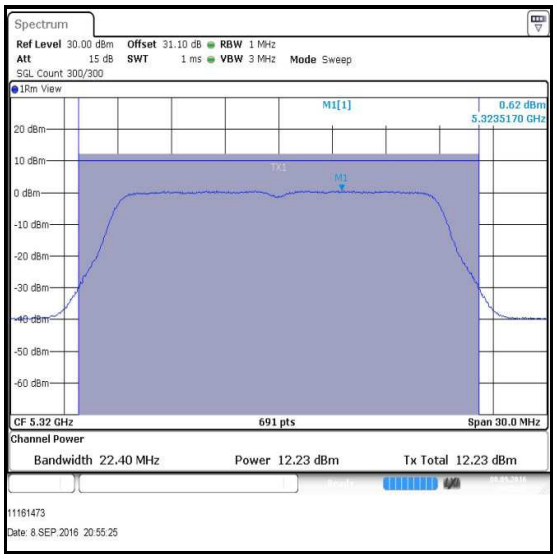
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / Port 3 / 5.25-5.35 GHz band



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11n / HT40 / MIMO / 3Tx STBC / MCS0 / 5.25-5.35 GHz band / Ports 1, 2, 3

Channel	Frequency (MHz)	Port 1		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5270	11.3	0.1	11.4
Top	5310	11.4	0.1	11.5

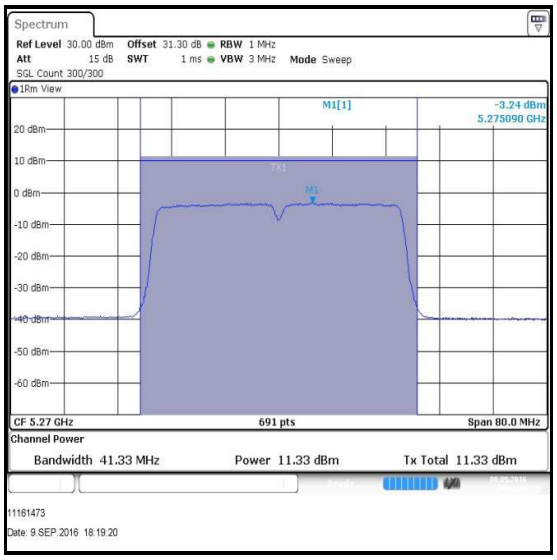
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5270	11.9	0.1	12.0
Top	5310	12.1	0.1	12.2

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5270	11.9	0.1	12.0
Top	5310	12.0	0.1	12.1

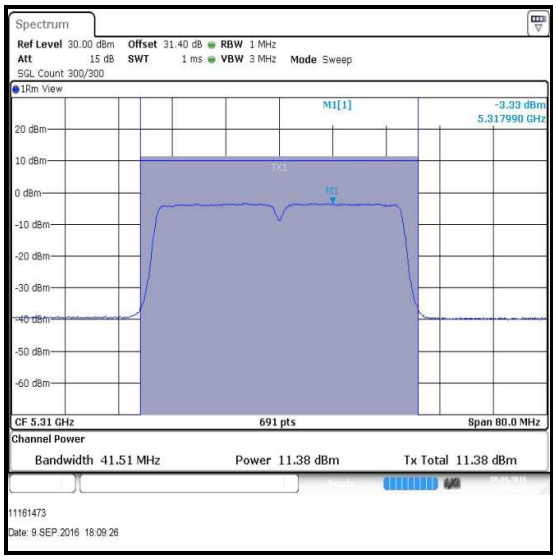
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	11.4	12.0	12.0	16.6	23.7	7.1	Complied
Top	5310	11.5	12.2	12.1	16.7	23.7	7.0	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11n / HT40 / MIMO / 3Tx STBC / MCS0 / 5.25-5.35 GHz band / Port 1

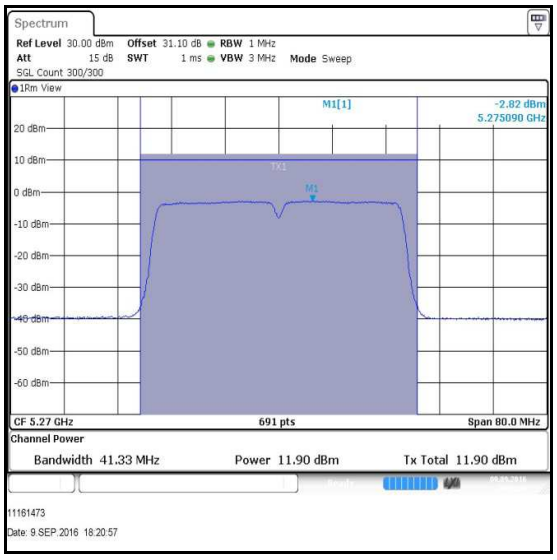


Bottom Channel

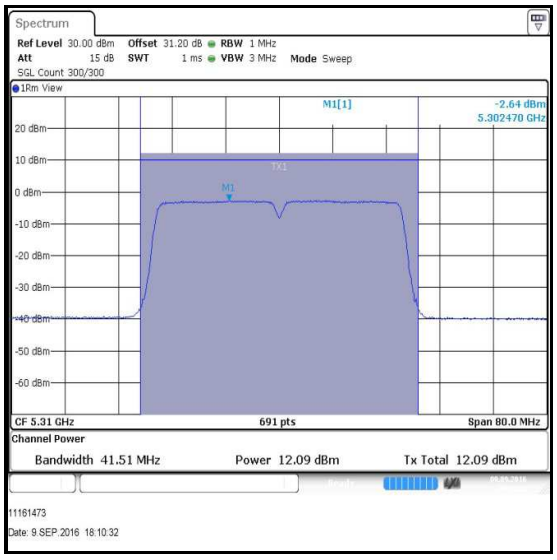


Top Channel

Results: 802.11n / HT40 / MIMO / 3Tx STBC / MCS0 / 5.25-5.35 GHz band / Port 2



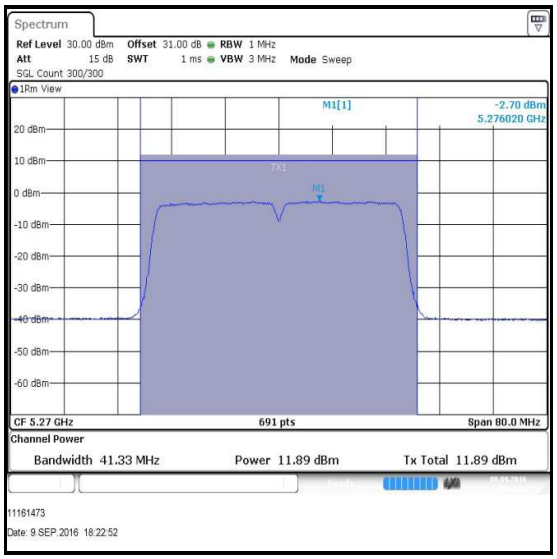
Bottom Channel



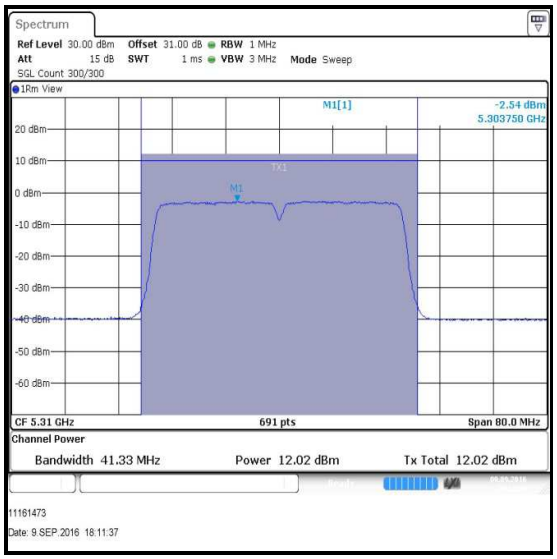
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11n / HT40 / MIMO 3Tx STBC / MCS0 / 5.25-5.35 GHz band / Port 3



Bottom Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / MCS0x1 / 5.25-5.35 GHz band / Ports 1, 2, 3

Channel	Frequency (MHz)	Port 1		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5290	11.6	0.1	11.7

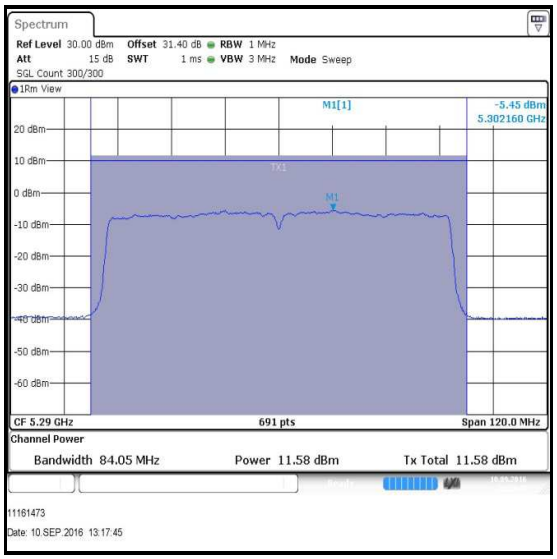
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5290	11.8	0.1	11.9

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5290	11.8	0.1	11.9

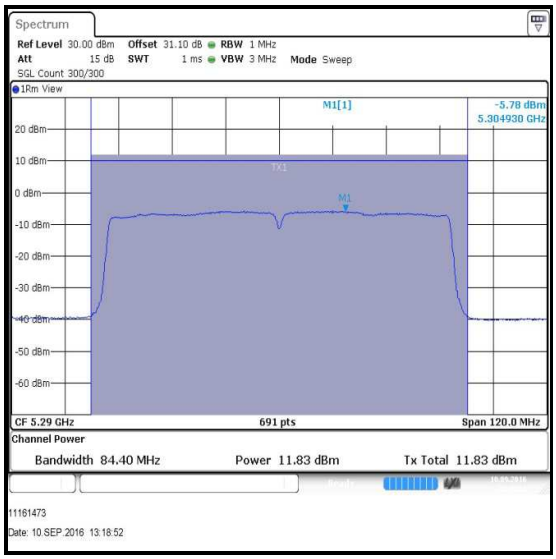
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5290	11.7	11.9	11.9	16.6	23.7	7.1	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

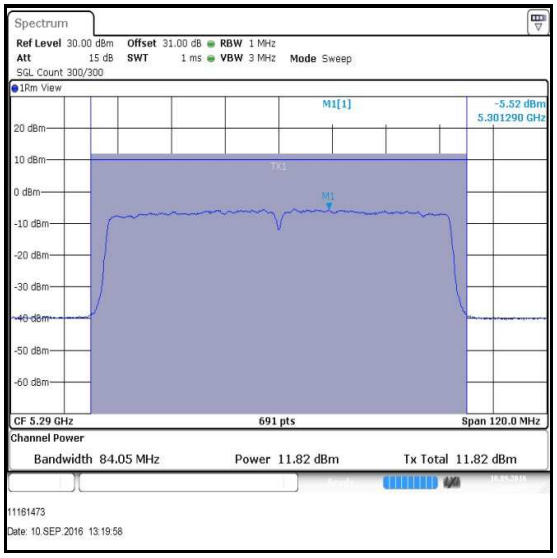
Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / MCS0x1 / Ports 1, 2, 3 / 5.25-5.35 GHz band



Single Channel / Port 1



Single Channel / Port 2

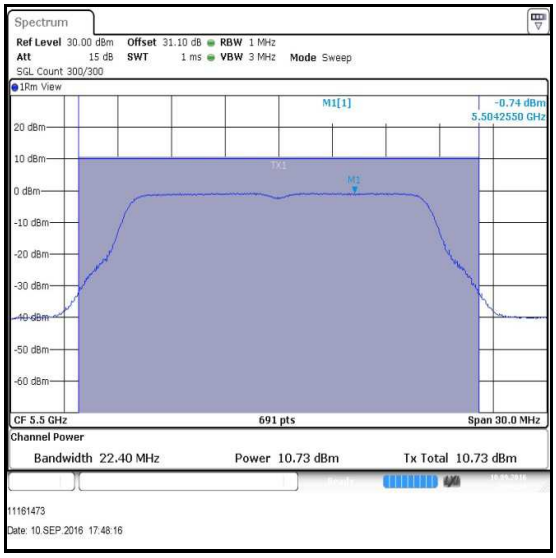


Single Channel / Port 3

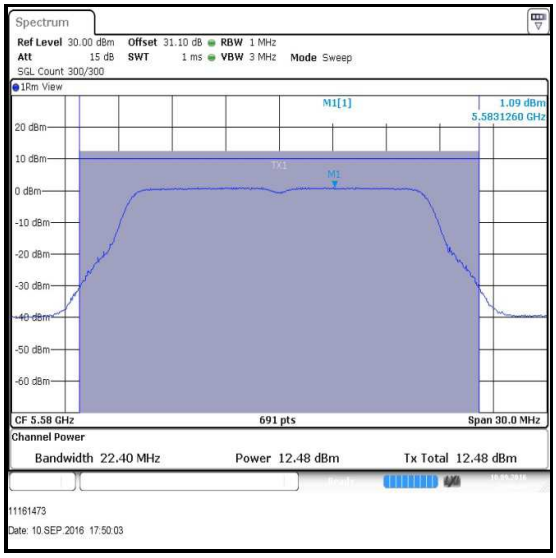
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11a SISO / 6 Mbps / 5.47-5.725 GHz band / Port 2

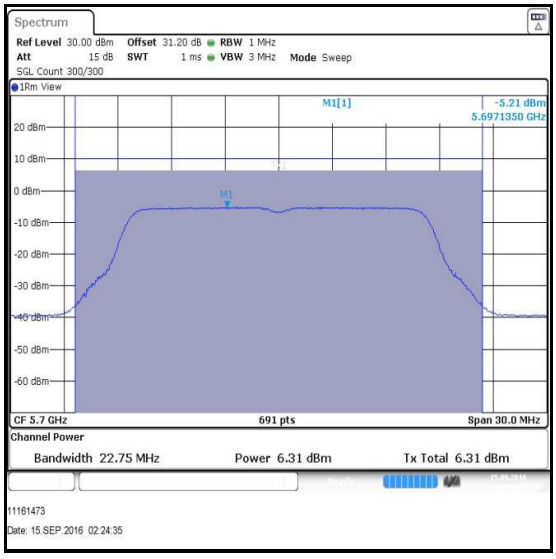
Channel	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	10.7	24.0	13.3	Complied
Middle	5580	12.5	24.0	11.5	Complied
Top	5700	6.3	24.0	17.7	Complied



Bottom Channel



Middle Channel

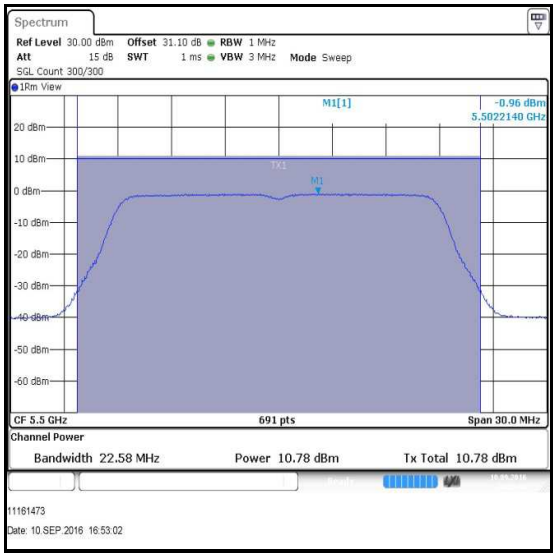


Top Channel

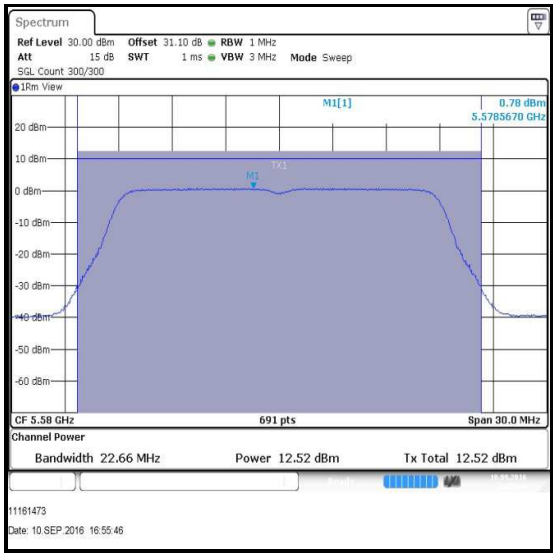
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11n / HT20 / SISO / MCS0 / 5.47-5.725 GHz band / Port 2

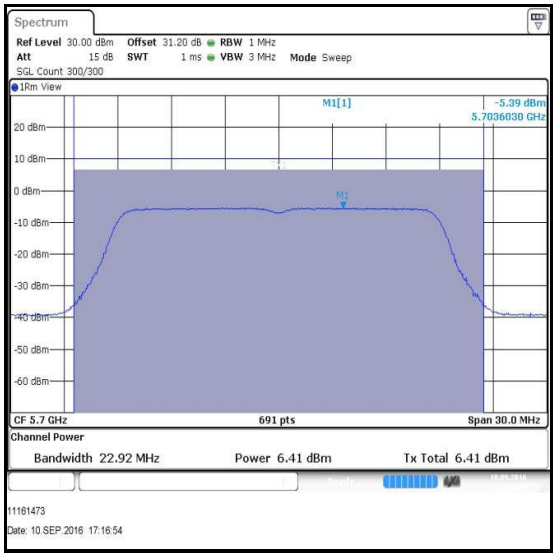
Channel	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	10.8	24.0	13.2	Complied
Middle	5580	12.5	24.0	11.5	Complied
Top	5700	6.4	24.0	17.6	Complied



Bottom Channel



Middle Channel

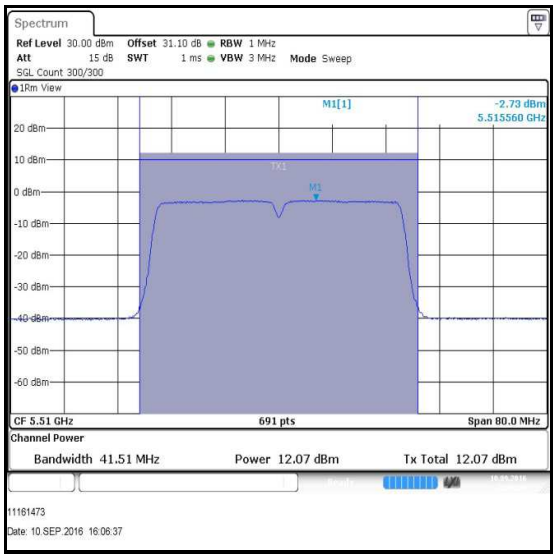


Top Channel

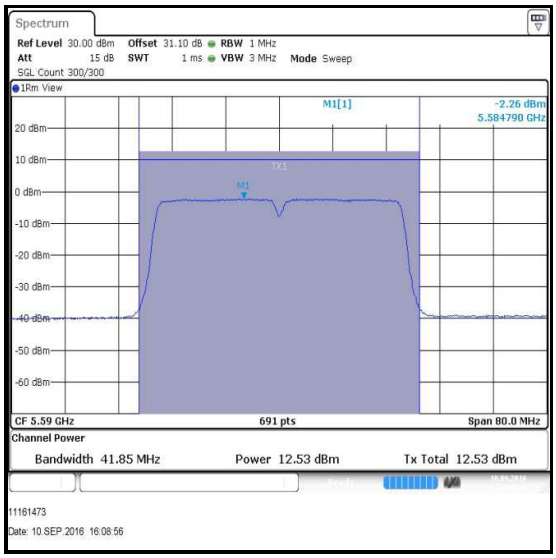
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11n / HT40 / SISO / MCS0 / Port 2 / 5.47-5.725 GHz band

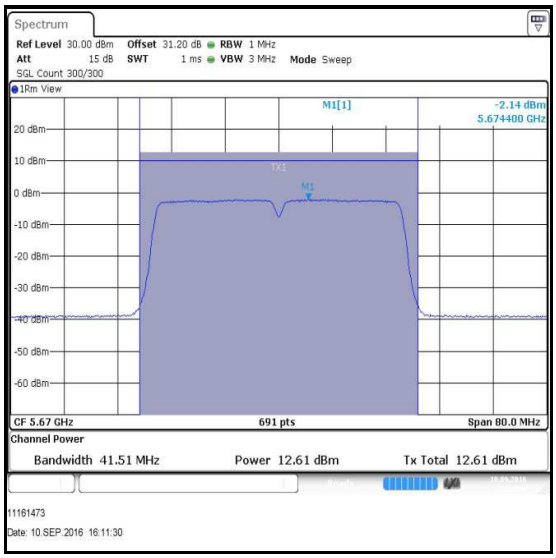
Channel	Frequency (MHz)	Conducted Power (dBm)	Duty Cycle Correction Factor (dB)	Corrected Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5510	12.1	0.1	12.2	24.0	11.8	Complied
Middle	5590	12.5	0.1	12.6	24.0	11.4	Complied
Top	5670	12.6	0.1	12.7	24.0	11.3	Complied



Bottom Channel



Middle Channel

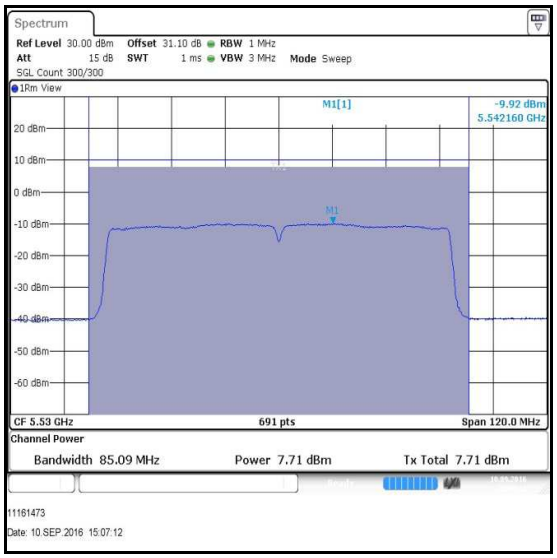


Top Channel

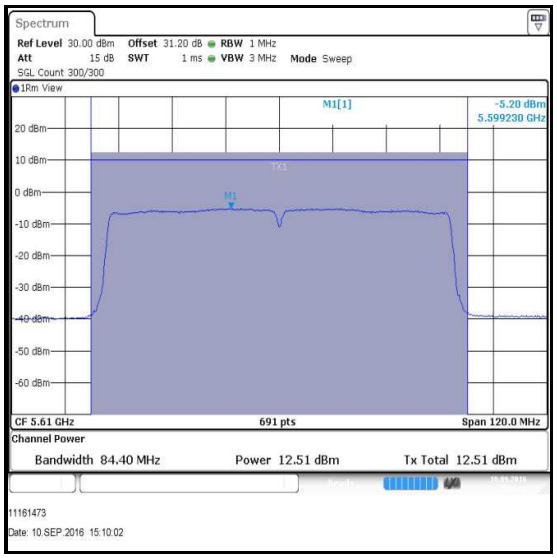
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / SISO / MCS0 / Port 2 / 5.47-5.725 GHz band

Channel	Frequency (MHz)	Conducted Power (dBm)	Duty Cycle Correction Factor (dB)	Corrected Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5530	7.7	0.1	7.8	24.0	16.2	Complied
Top	5610	12.5	0.1	12.6	24.0	11.4	Complied



Bottom Channel



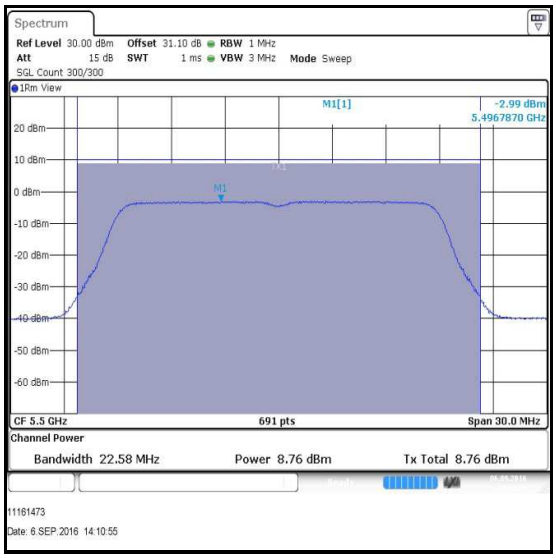
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

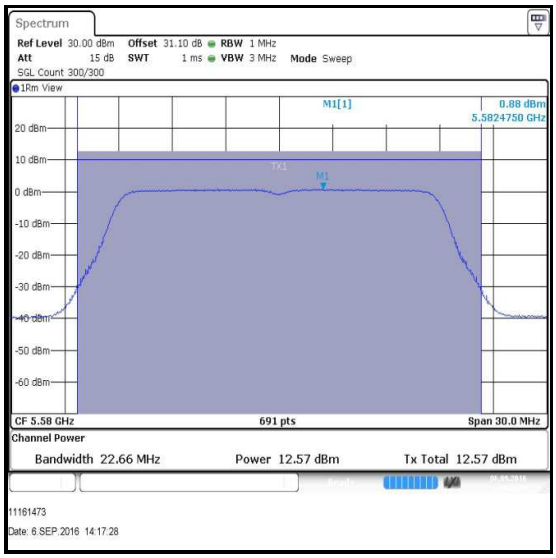
Results: 802.11n / HT20 / MIMO / 2Tx CDD / MCS0 / Ports 2, 3 / 5.47-5.725 GHz band

Channel	Frequency (MHz)	Conducted Power Port 2 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	8.8	8.9	11.9	21.8	9.9	Complied
Middle	5580	12.6	12.5	15.6	21.8	6.2	Complied
Top	5700	3.7	3.7	6.7	21.8	15.1	Complied

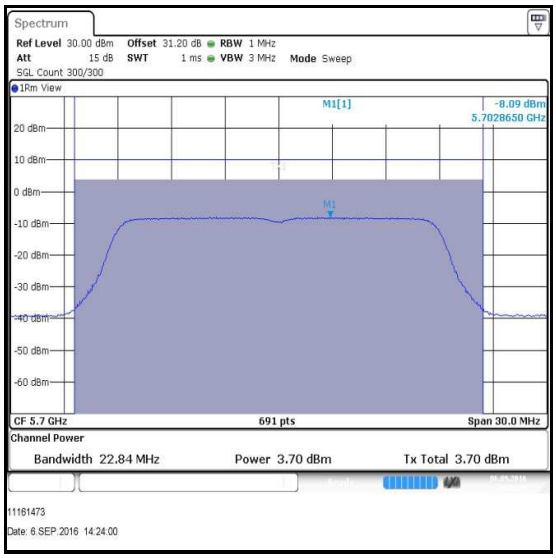
Results: 802.11n / HT20 / MIMO / 2Tx CDD / MCS0 / 5.47-5.725 GHz band / Port 2



Bottom Channel



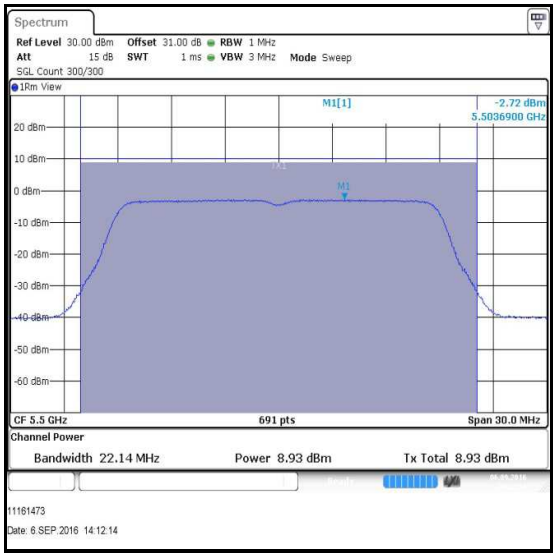
Middle Channel



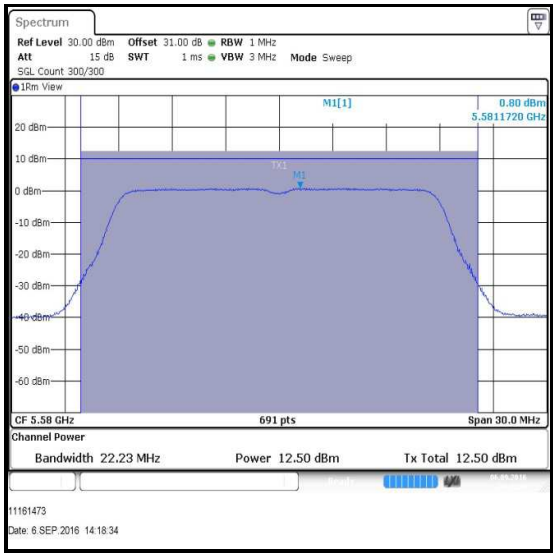
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

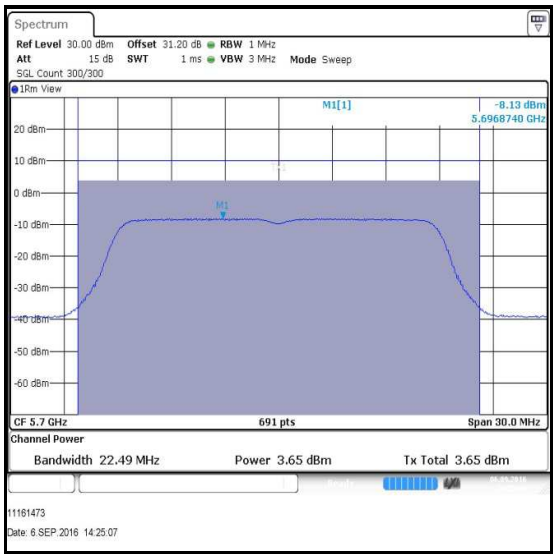
Results: 802.11n / HT20 / MIMO / 2Tx CDD / MCS0 / 5.47-5.725 GHz band / Port 3



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

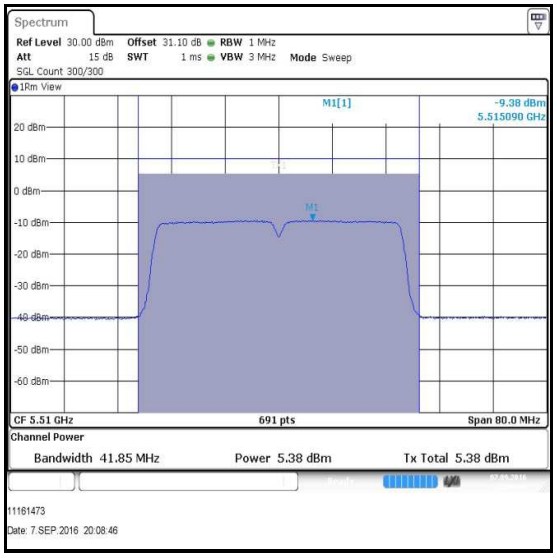
Results: 802.11n / HT40 / MIMO / 2Tx CDD / MCS0 / 5.47-5.725 GHz band / Ports 2, 3

Channel	Frequency (MHz)	Port 2			Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5510	5.4	0.1	5.5	5.8	0.1	5.9
Middle	5590	12.4	0.1	12.5	12.5	0.1	12.6
Top	5670	12.3	0.1	12.4	12.5	0.1	12.6

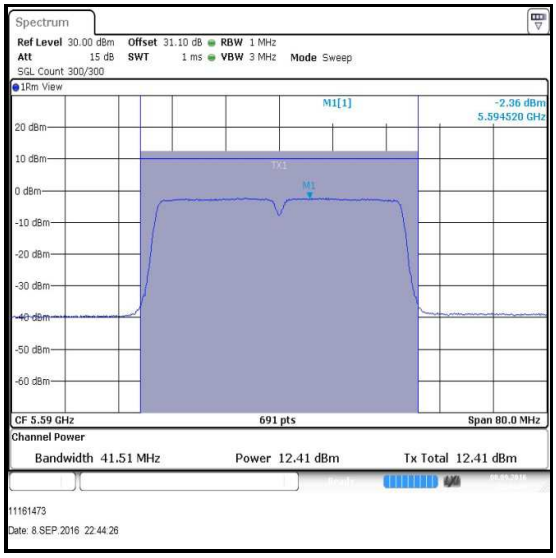
Channel	Frequency (MHz)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5510	5.5	5.9	8.7	21.8	13.1	Complied
Middle	5590	12.5	12.6	15.6	21.8	6.2	Complied
Top	5670	12.4	12.6	15.5	21.8	6.3	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

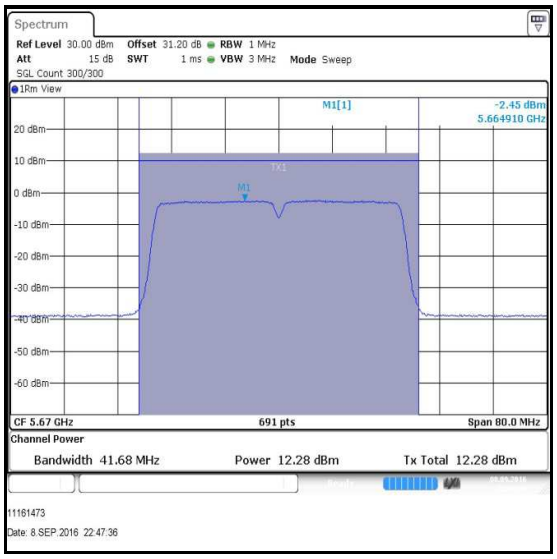
Results: 802.11n / HT40 / MIMO / 2Tx CDD / MCS0 / 5.47-5.725 GHz band / Port 2



Bottom Channel



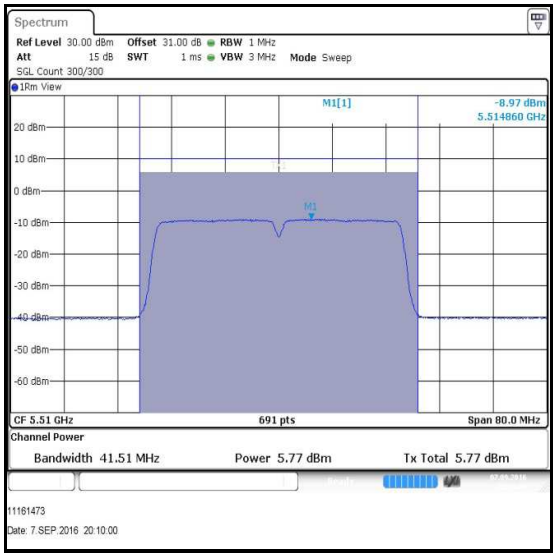
Middle Channel



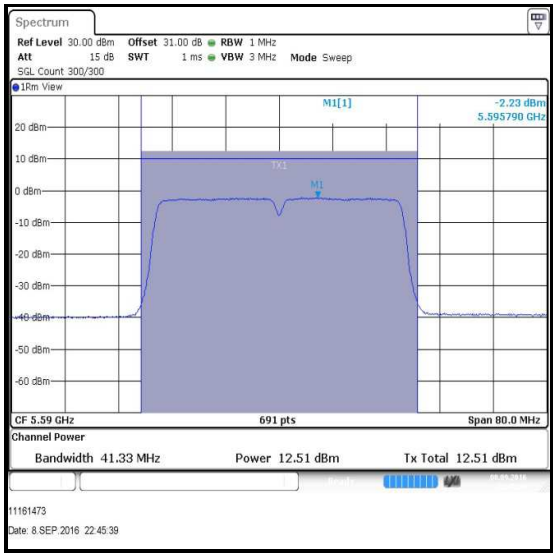
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

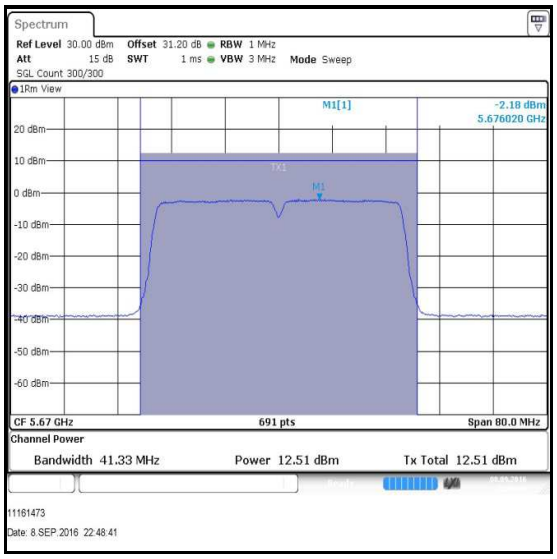
Results: 802.11n / HT40 / MIMO / 2Tx CDD / MCS0 / 5.47-5.725 GHz band / Port 3



Bottom Channel



Middle Channel



Top Channel

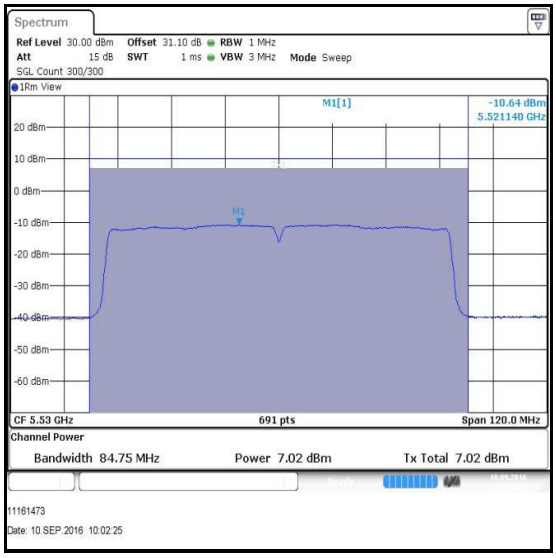
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / MIMO / 2Tx CDD / MCS0x1 / 5.47-5.725 GHz band / Ports 2, 3

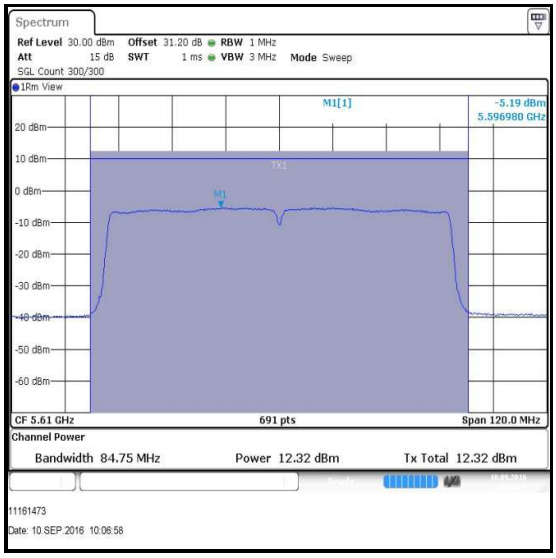
Channel	Frequency (MHz)	Port 2			Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5530	7.0	0.1	7.1	7.3	0.1	7.4
Top	5610	12.3	0.1	12.4	12.4	0.1	12.5

Channel	Frequency (MHz)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5530	7.1	7.4	10.3	21.8	11.5	Complied
Top	5610	12.4	12.5	15.5	21.8	6.3	Complied

Results: 802.11ac / VHT80 / MIMO / 2Tx CDD / MCS0x1 / 5.47-5.725 GHz band / Port 2



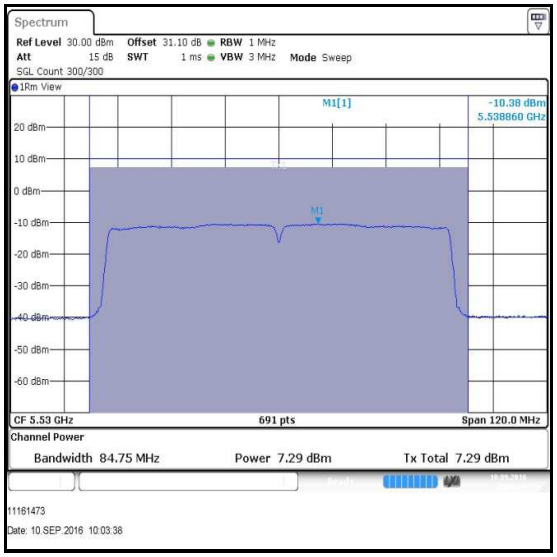
Bottom Channel



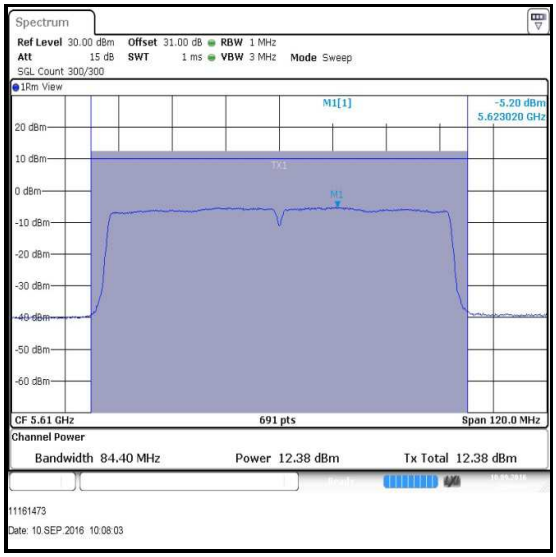
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / MIMO / 2Tx CDD / MCS0x1/ 5.47-5.725 GHz band / Port 3



Bottom Channel



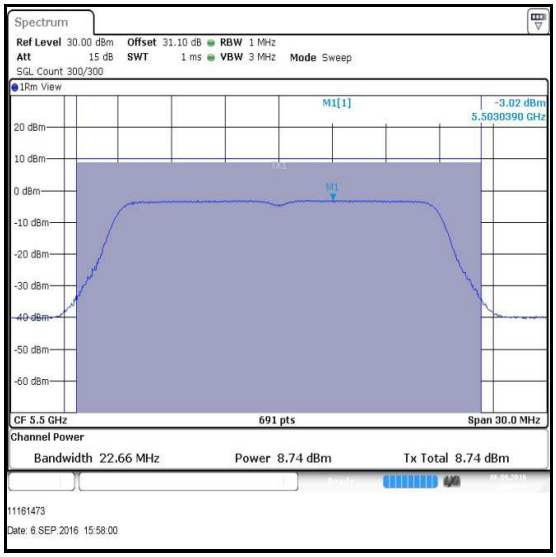
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

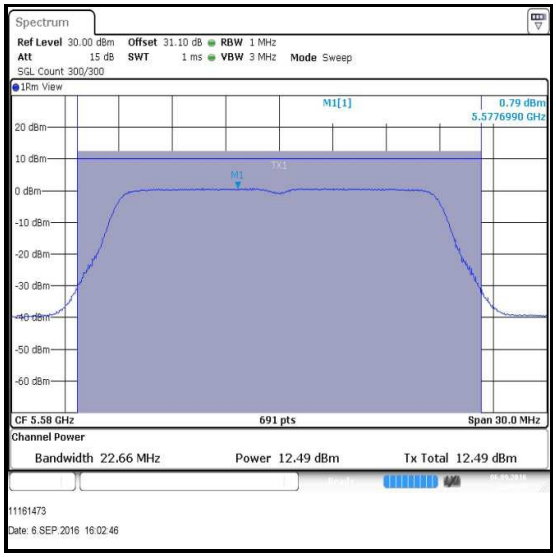
Results: 802.11n / HT20 / MIMO / 2Tx STBC / MCS0 / 5.47-5.725 GHz band / Ports 2, 3

Channel	Frequency (MHz)	Conducted Power Port 2 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	8.7	9.0	11.9	24.0	12.1	Complied
Middle	5580	12.5	12.5	15.5	24.0	8.5	Complied
Top	5700	6.8	6.9	9.9	24.0	14.1	Complied

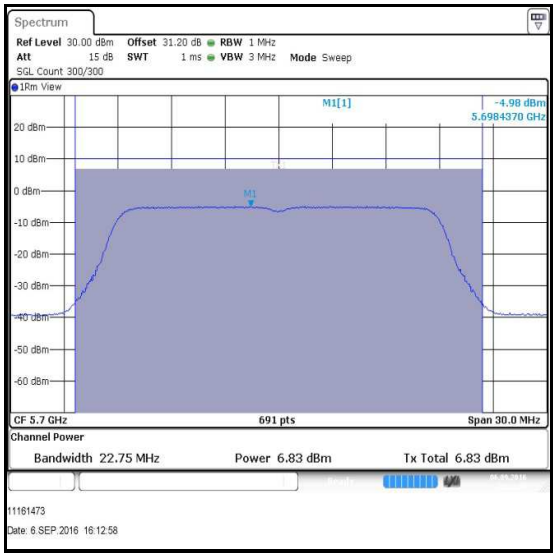
Results: 802.11n / HT20 / MIMO / 2Tx STBC / MCS0 / 5.47-5.725 GHz band / Port 2



Bottom Channel



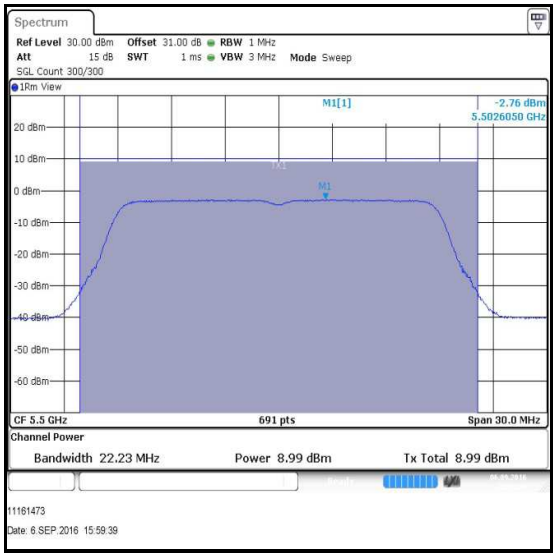
Middle Channel



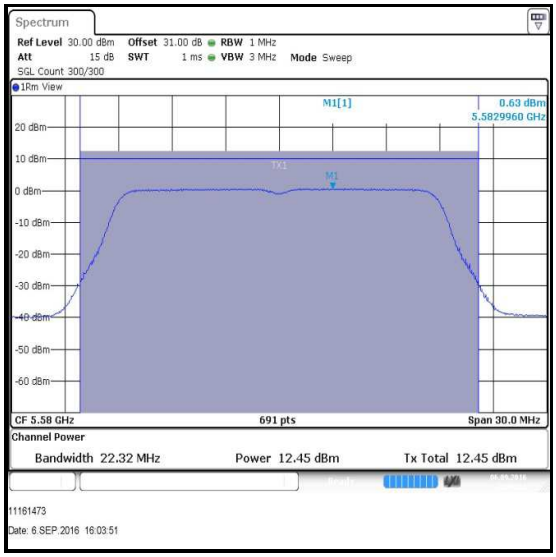
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

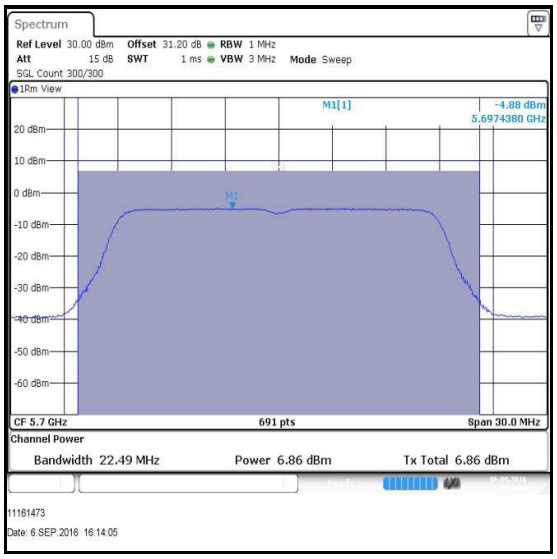
Results: 802.11n / HT20 / MIMO / 2Tx STBC / MCS0 / 5.47-5.725 GHz band / Port 3



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

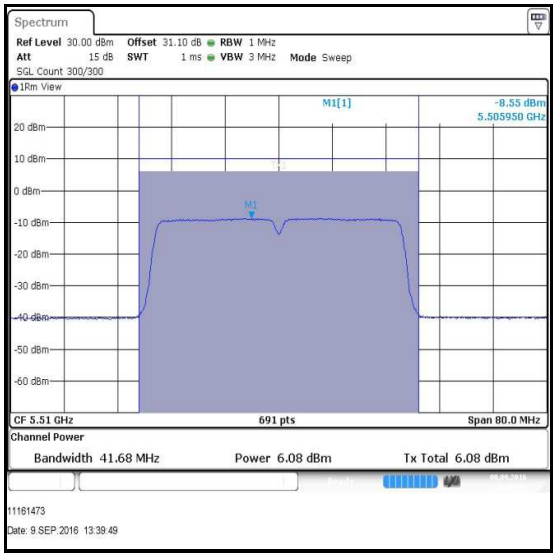
Results: 802.11n / HT40 / MIMO / 2Tx STBC / MCS0 / 5.47-5.725 GHz band / Ports 2, 3

Channel	Frequency (MHz)	Port 2			Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5510	6.1	0.1	6.2	6.2	0.1	6.3
Middle	5590	12.4	0.1	12.5	12.1	0.1	12.2
Top	5670	12.3	0.1	12.4	12.3	0.1	12.4

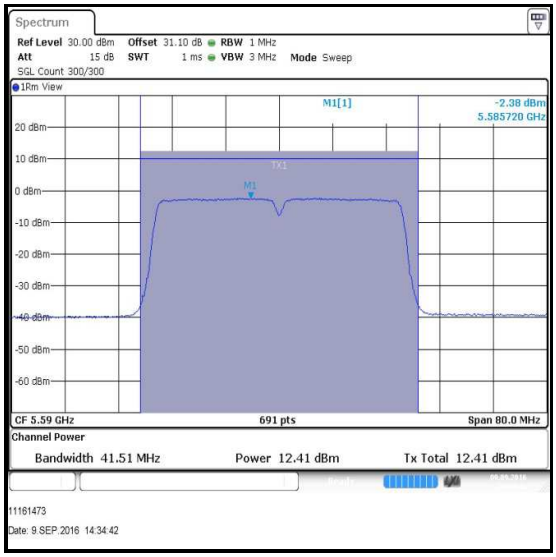
Channel	Frequency (MHz)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5510	6.2	6.3	9.3	24.0	14.7	Complied
Middle	5590	12.5	12.2	15.4	24.0	8.6	Complied
Top	5670	12.4	12.4	15.4	24.0	8.6	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

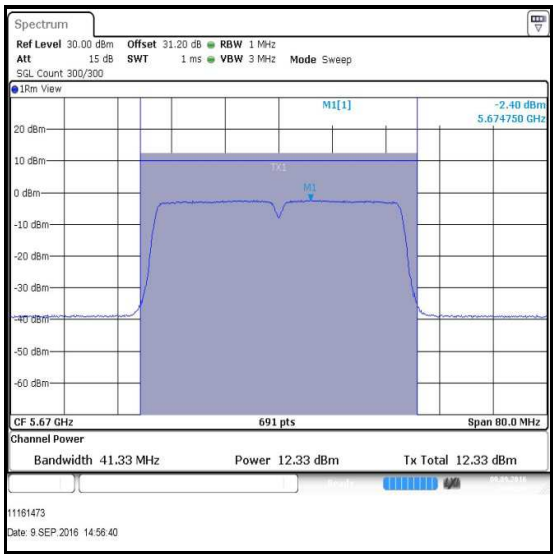
Results: 802.11n / HT40 / MIMO / 2Tx STBC / MCS0 / 5.47-5.725 GHz band / Port 2



Bottom Channel



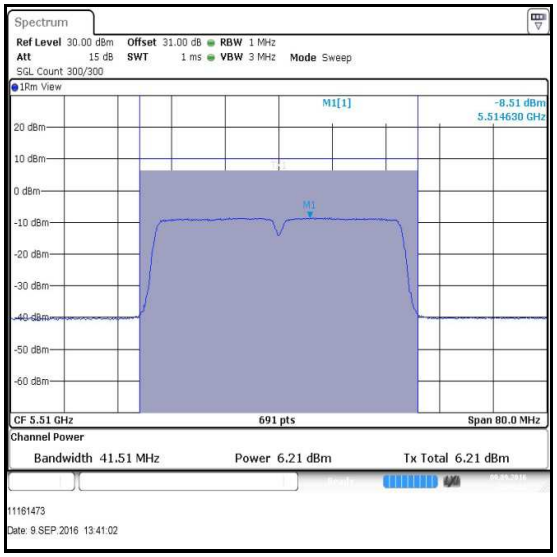
Middle Channel



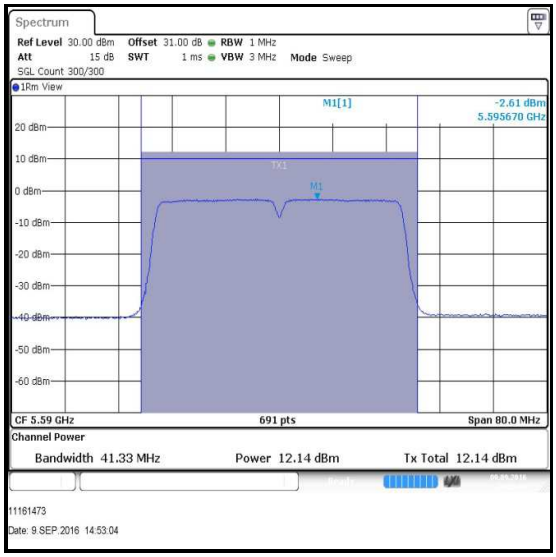
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

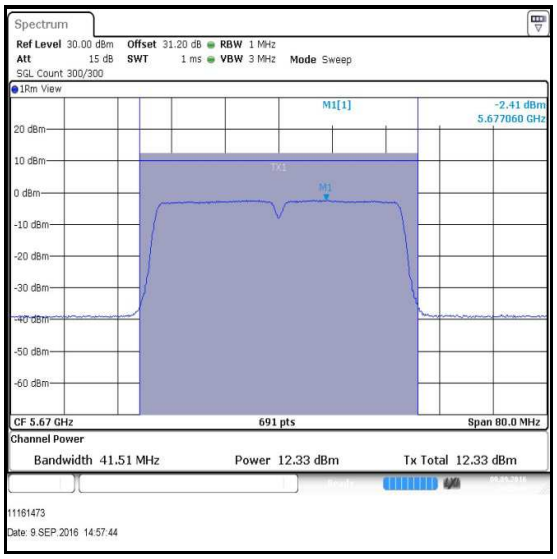
Results: 802.11n / HT40 / MIMO / 2Tx STBC / MCS0 / Port 3 / 5.47-5.725 GHz band



Bottom Channel



Middle Channel



Top Channel

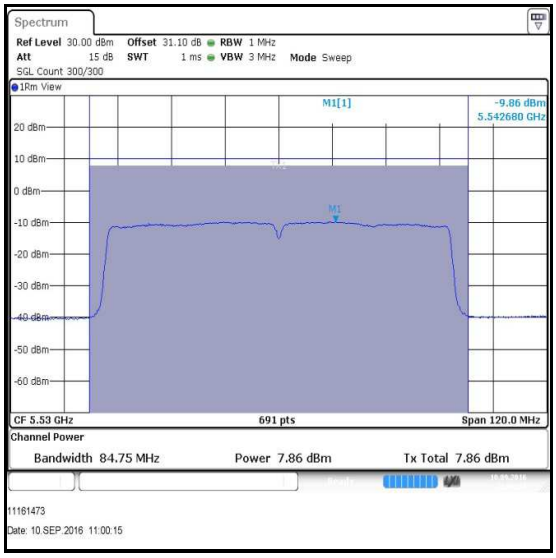
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / MIMO / 2Tx STBC / MCS0x1 / 5.47-5.725 GHz band / Ports 2, 3

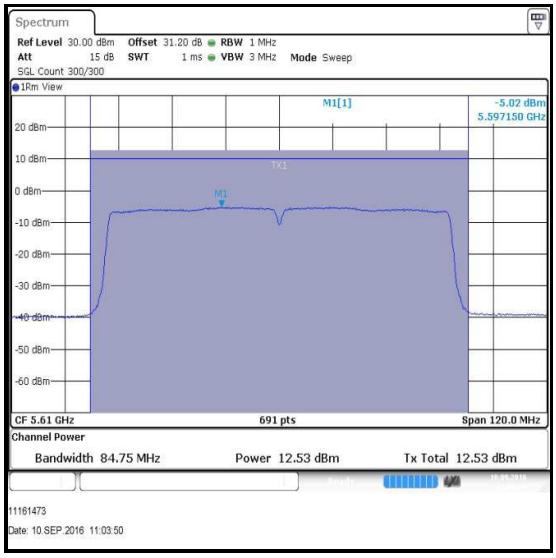
Channel	Frequency (MHz)	Port 2			Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5530	7.9	0.1	8.0	8.3	0.1	8.4
Top	5610	12.5	0.1	12.6	12.4	0.1	12.5

Channel	Frequency (MHz)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5530	8.0	8.4	11.2	24.0	12.8	Complied
Top	5610	12.6	12.5	15.6	24.0	8.4	Complied

Results: 802.11ac / VHT80 / MIMO / 2Tx STBC / MCS0x1 / 5.47-5.725 GHz band / Port 2



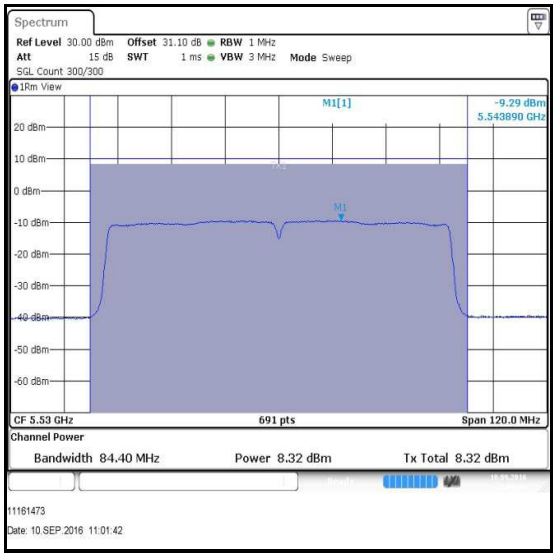
Bottom Channel



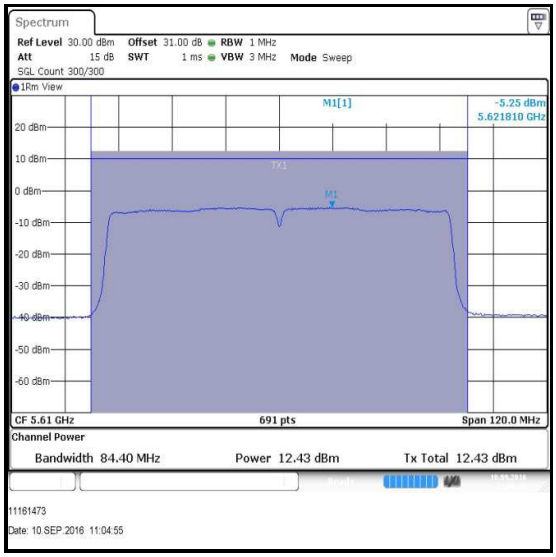
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / MIMO / 2Tx STBC / MCS0x1 / 5.47-5.725 GHz band / Port 3



Bottom Channel



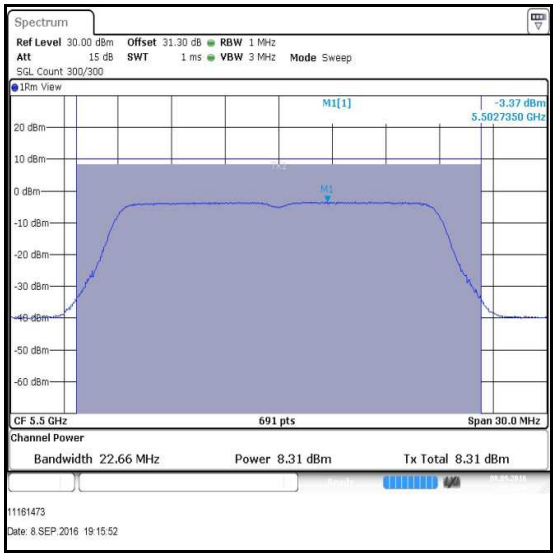
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

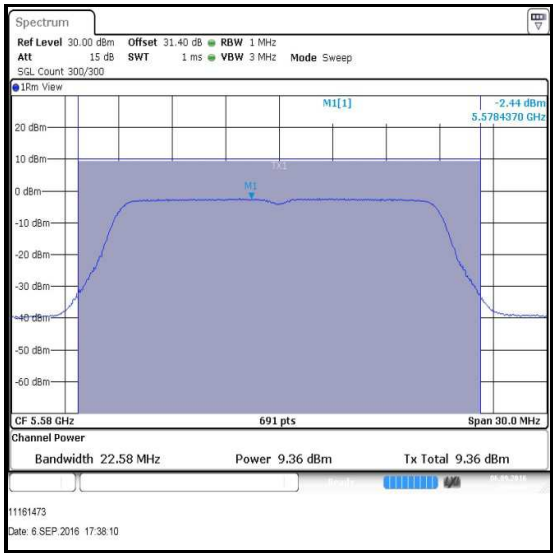
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / 5.47-5.725 GHz band / Ports 1, 2, 3

Channel	Frequency (MHz)	Conducted Power Port 1 (dBm)	Conducted Power Port 2 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	8.3	8.4	8.6	13.2	20.1	6.9	Complied
Middle	5580	9.4	9.8	9.8	14.4	20.1	5.7	Complied
Top	5700	3.6	4.0	3.7	8.5	20.1	11.6	Complied

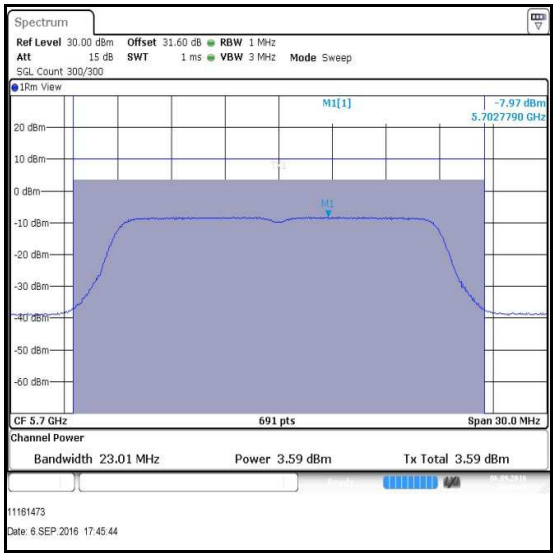
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / 5.47-5.725 GHz band / Port 1



Bottom Channel



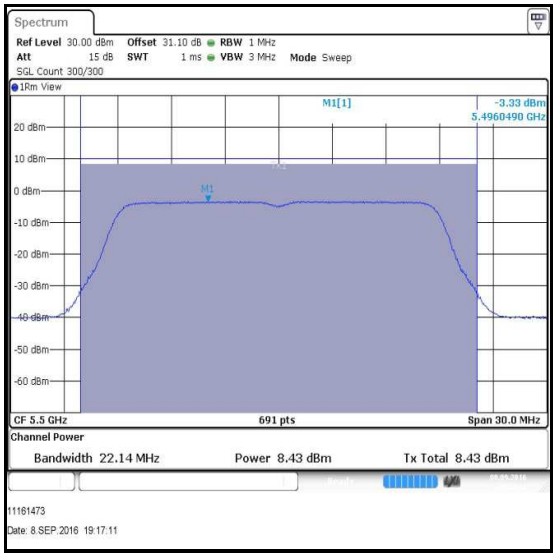
Middle Channel



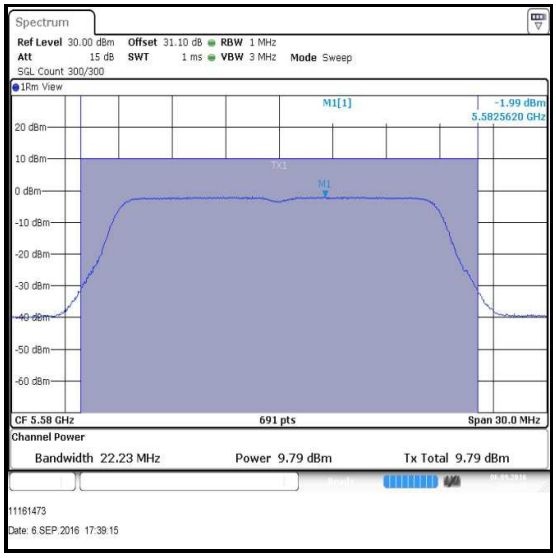
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

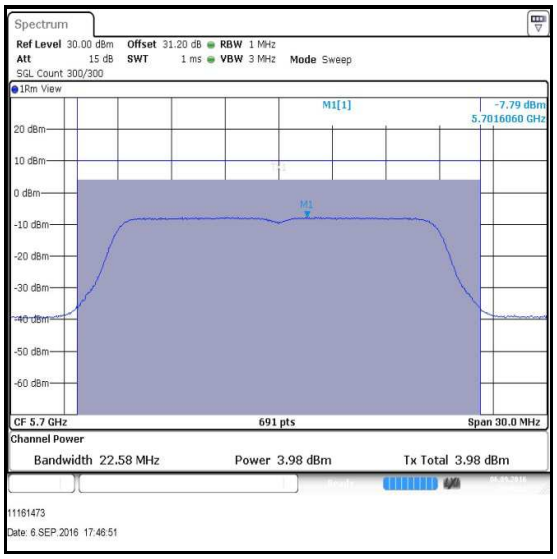
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / 5.47-5.725 GHz band / Port 2



Bottom Channel



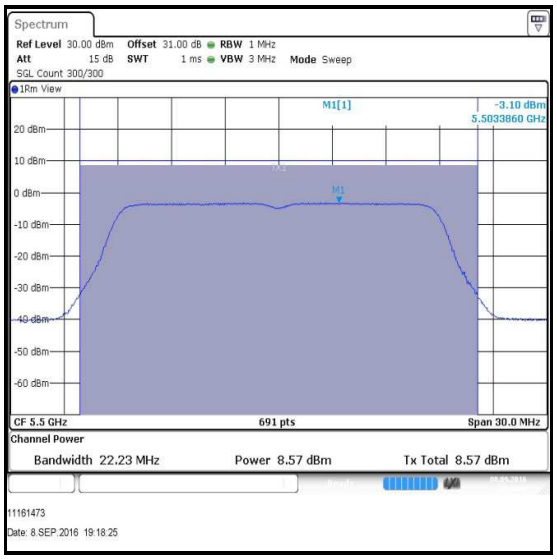
Middle Channel



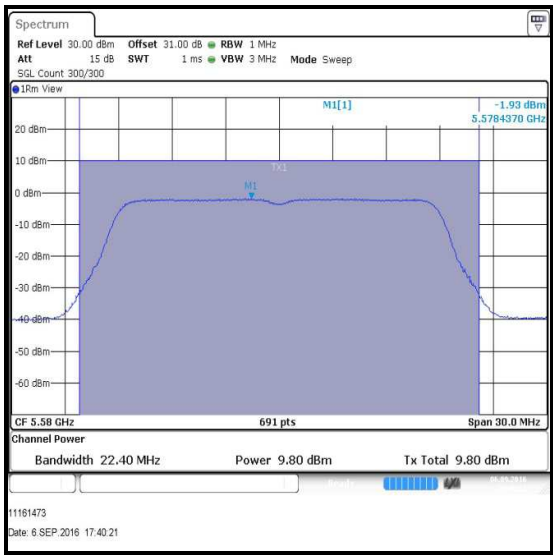
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

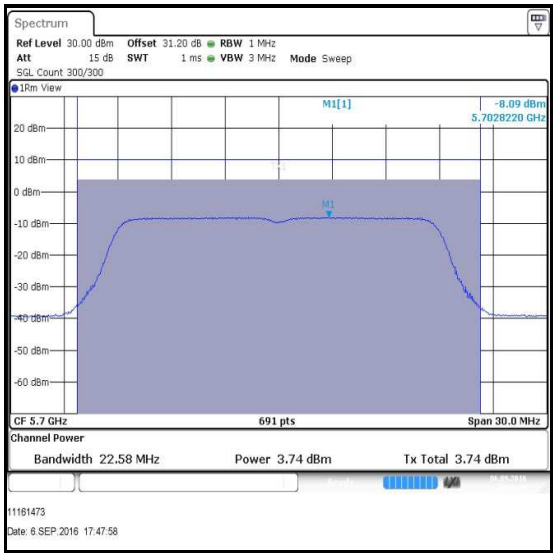
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / 5.47-5.725 GHz band / Port 3



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11n / HT40 / MIMO / 3Tx CDD / MCS0 / 5.47-5.725 GHz band / Ports 1, 2, 3

Channel	Frequency (MHz)	Port 1		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5510	5.2	0.1	5.3
Middle	5590	11.9	0.1	12.0
Top	5670	11.8	0.1	11.9

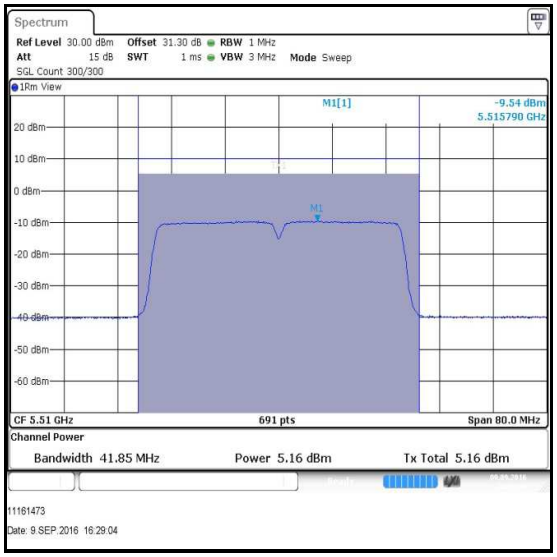
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5510	5.8	0.1	5.9
Middle	5590	12.3	0.1	12.4
Top	5670	12.2	0.1	12.3

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5510	5.7	0.1	5.8
Middle	5590	12.1	0.1	12.2
Top	5670	12.3	0.5	12.4

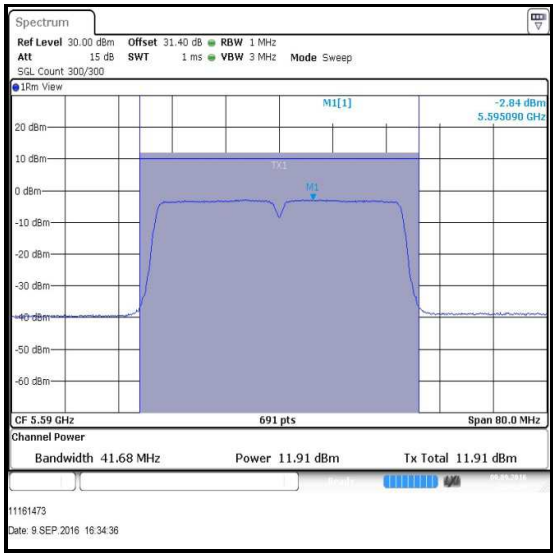
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5510	5.3	5.9	5.8	10.4	20.1	9.7	Complied
Middle	5590	12.0	12.4	12.2	17.0	20.1	3.1	Complied
Top	5670	11.9	12.3	12.4	17.0	20.1	3.1	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

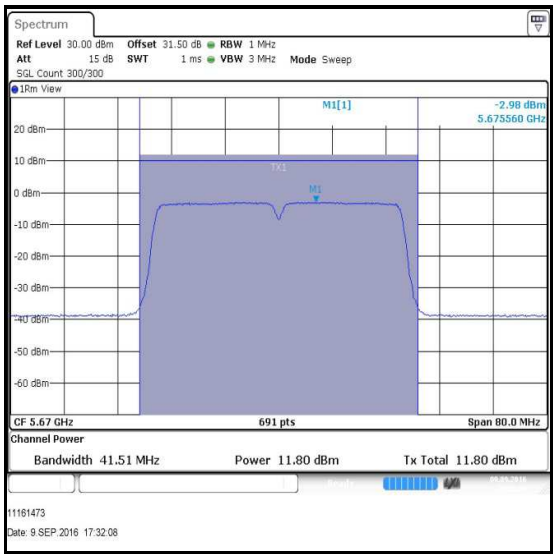
Results: 802.11n / HT40 / MIMO / 3Tx CDD / MCS0 / 5.47-5.725 GHz band / Port 1



Bottom Channel



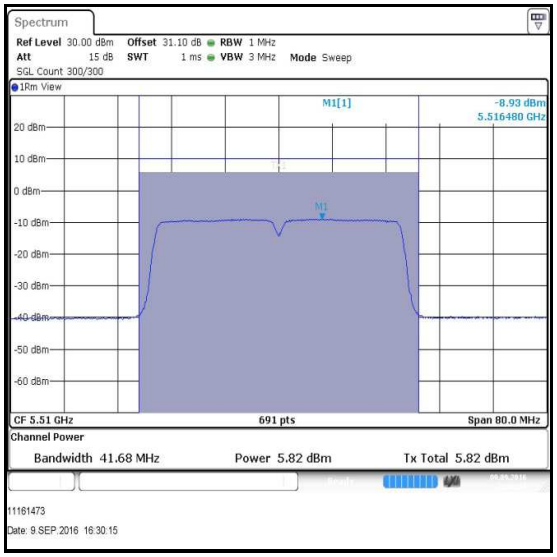
Middle Channel



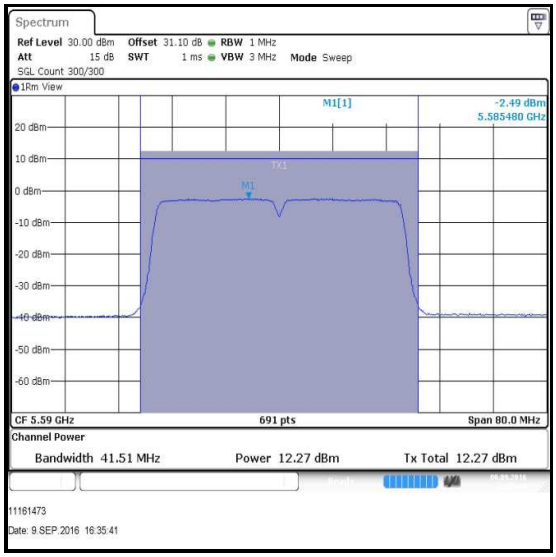
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

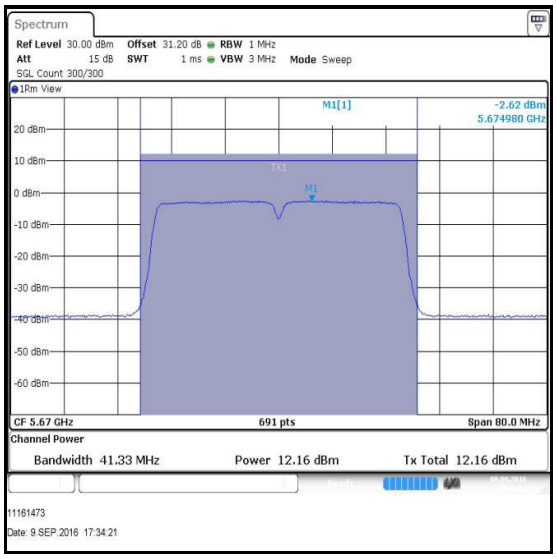
Results: 802.11n / HT40 / MIMO / 3Tx CDD / MCS0 / 5.47-5.725 GHz band / Port 2



Bottom Channel



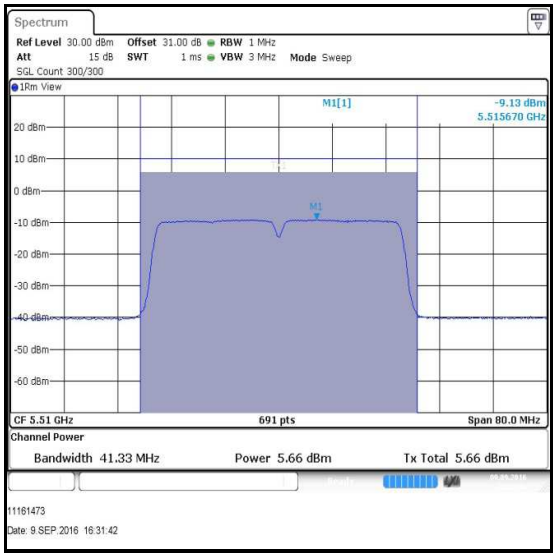
Middle Channel



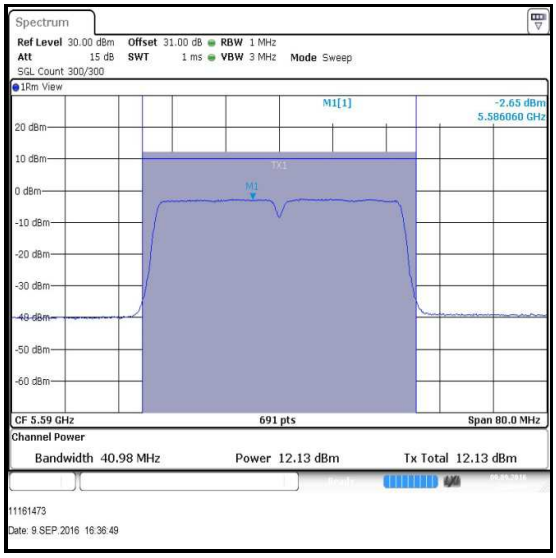
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

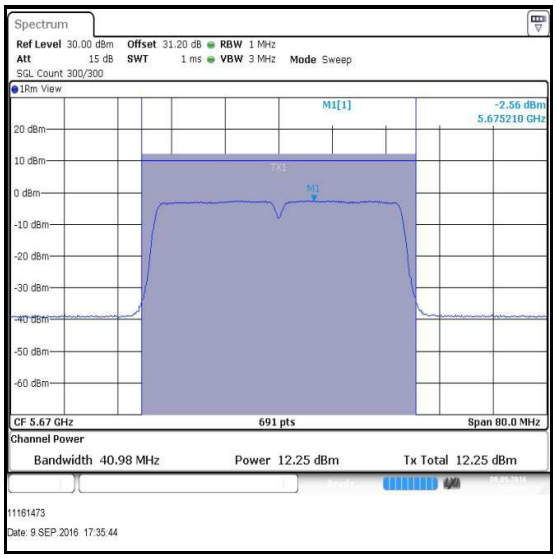
Results: 802.11n / HT40 / MIMO / 3Tx CDD / MCS0 / 5.47-5.725 GHz band / Port 3



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / MIMO / 3Tx CDD / MCS0x1 / 5.47-5.725 GHz band / Ports 1, 2, 3

Channel	Frequency (MHz)	Port 1		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5530	4.3	0.1	4.4
Top	5610	12.3	0.1	12.4

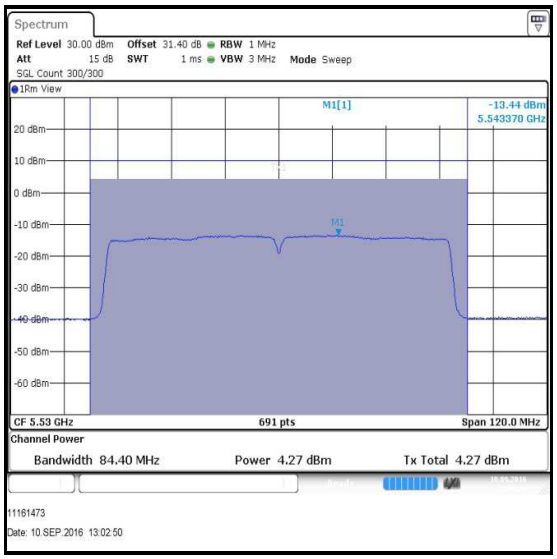
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5530	4.4	0.1	4.5
Top	5610	12.6	0.1	12.7

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5530	4.7	0.1	4.8
Top	5610	12.4	0.1	12.5

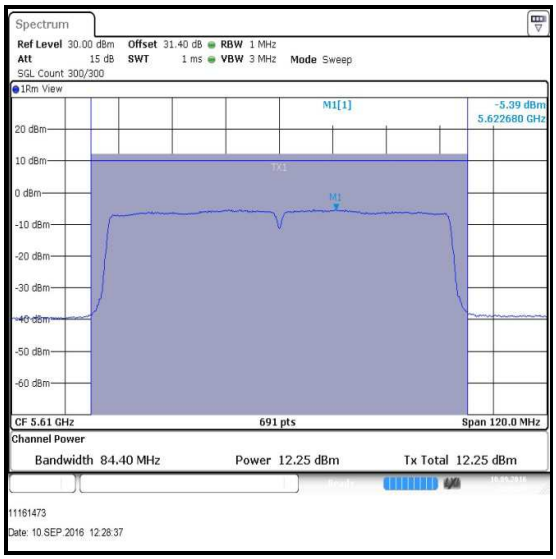
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5530	4.4	4.5	4.8	9.3	20.1	10.8	Complied
Top	5610	12.4	12.7	12.5	17.3	20.1	2.8	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / MIMO / 3Tx CDD / MCS0x1 / 5.47-5.725 GHz band / Port 1

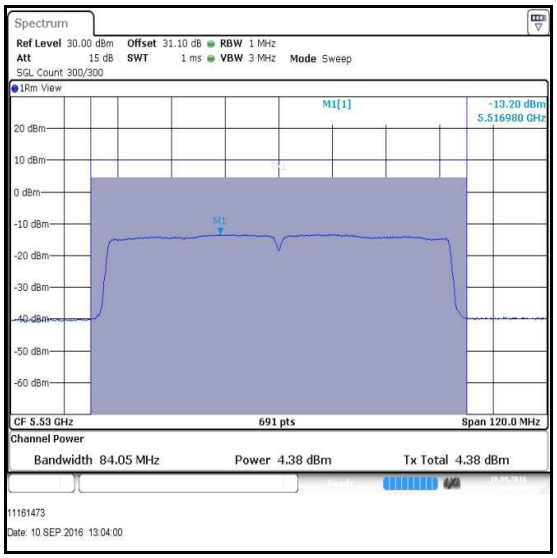


Bottom Channel

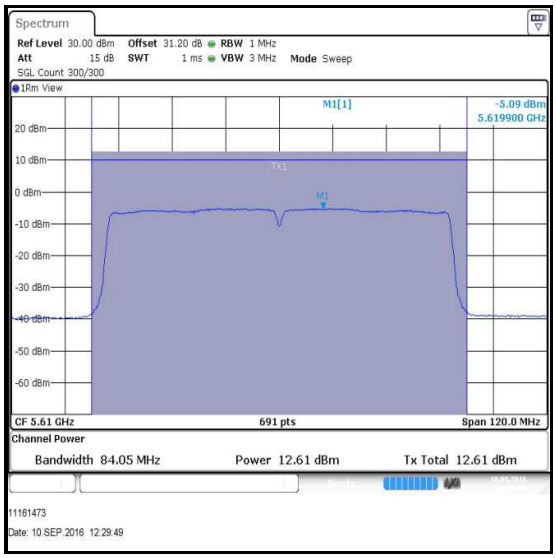


Top Channel

Results: 802.11ac / VHT80 / MIMO / 3Tx CDD / MCS0x1 / 5.47-5.725 GHz band / Port 2



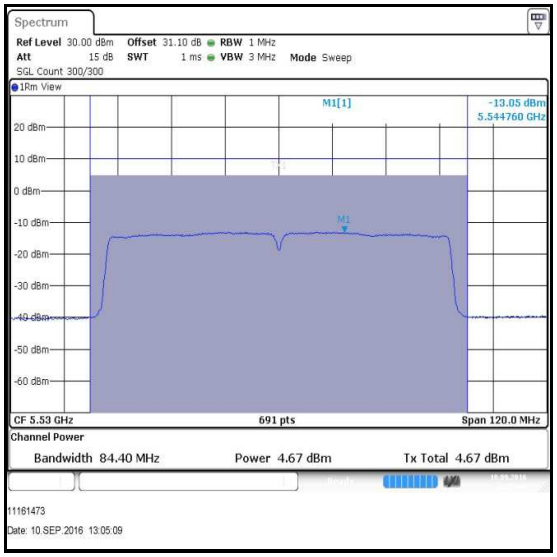
Bottom Channel



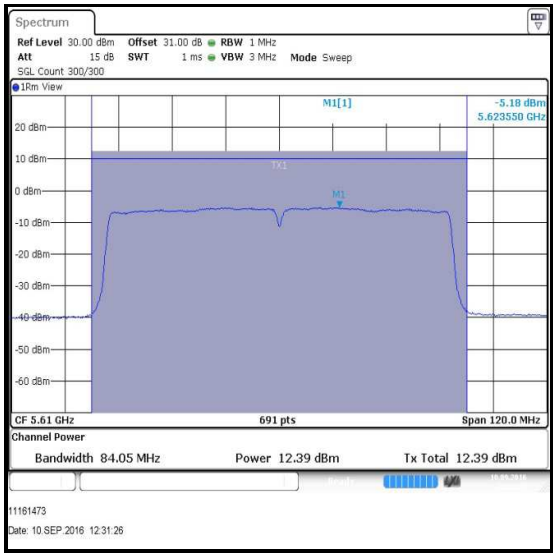
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / MIMO / 3Tx CDD / MCS0x1 / 5.47-5.725 GHz band / Port 3



Bottom Channel



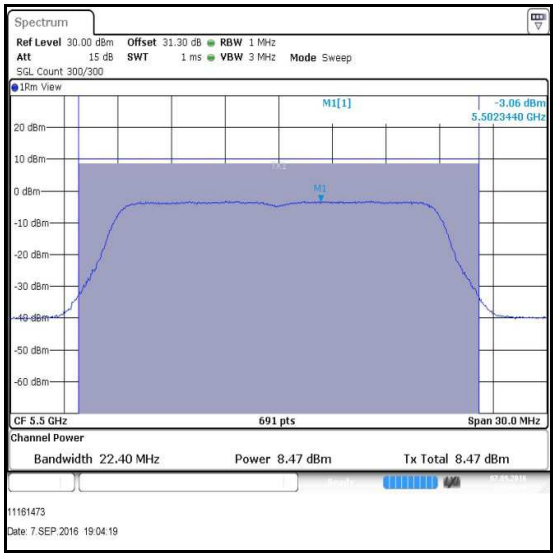
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

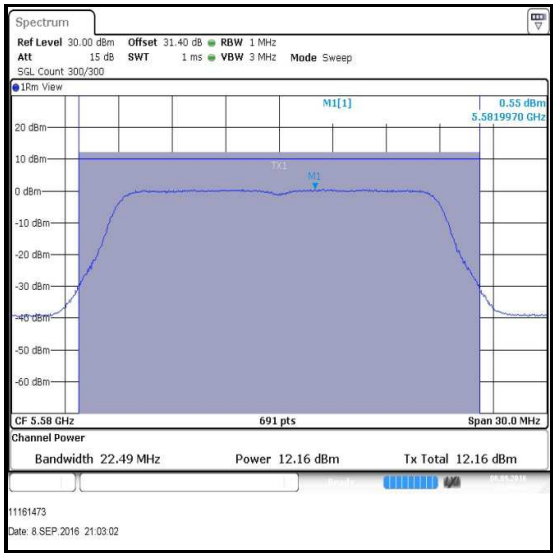
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / 5.47-5.725 GHz band / Ports 1, 2, 3

Channel	Frequency (MHz)	Conducted Power Port 1 (dBm)	Conducted Power Port 2 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	8.5	8.5	8.8	13.4	24.0	10.6	Complied
Middle	5580	12.2	12.6	12.4	17.2	24.0	6.8	Complied
Top	5700	6.3	6.9	6.8	11.4	24.0	12.6	Complied

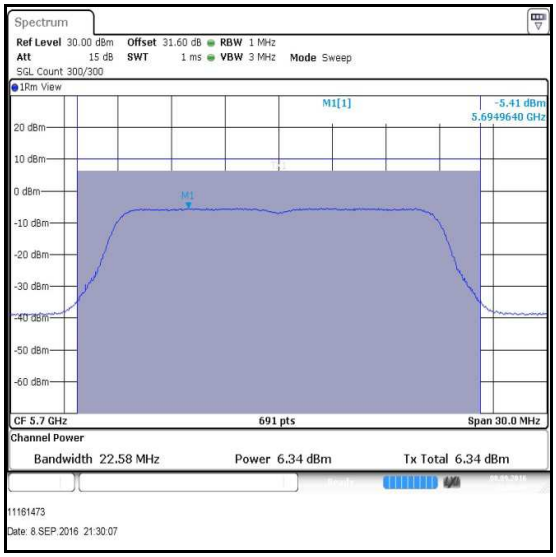
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / 5.47-5.725 GHz band / Port 1



Bottom Channel



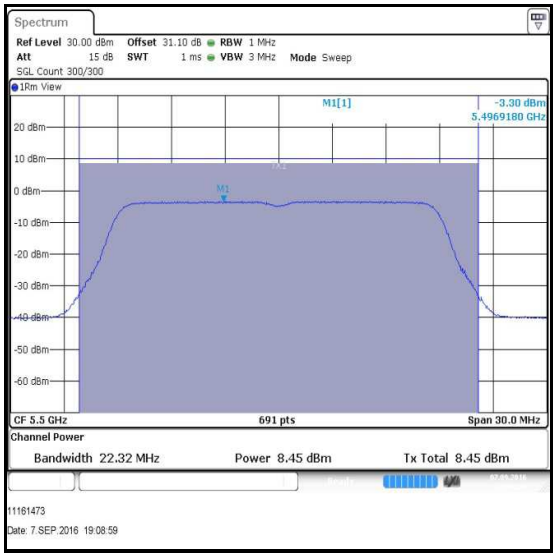
Middle Channel



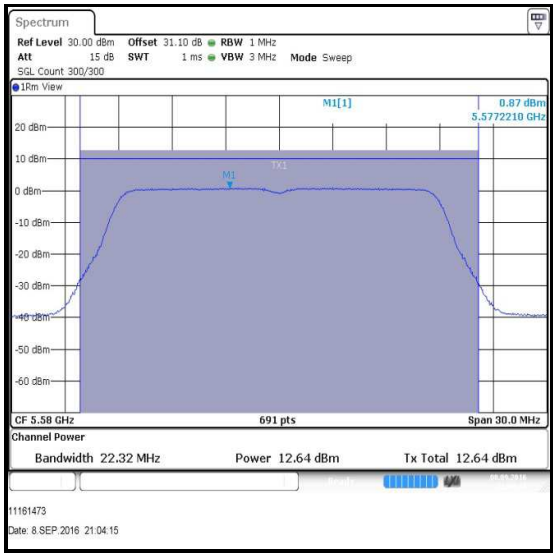
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

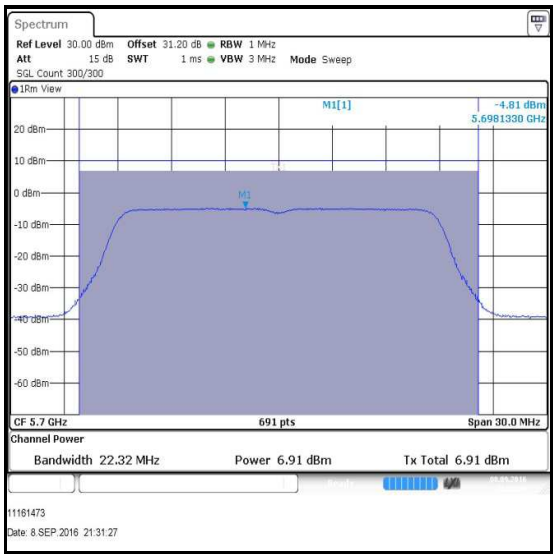
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / 5.47-5.725 GHz band / Port 2



Bottom Channel



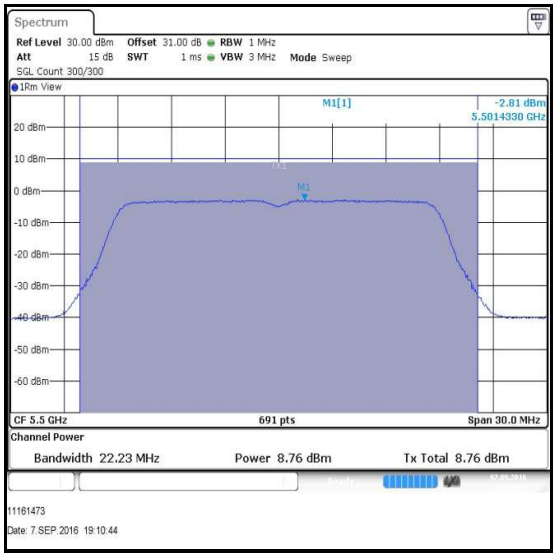
Middle Channel



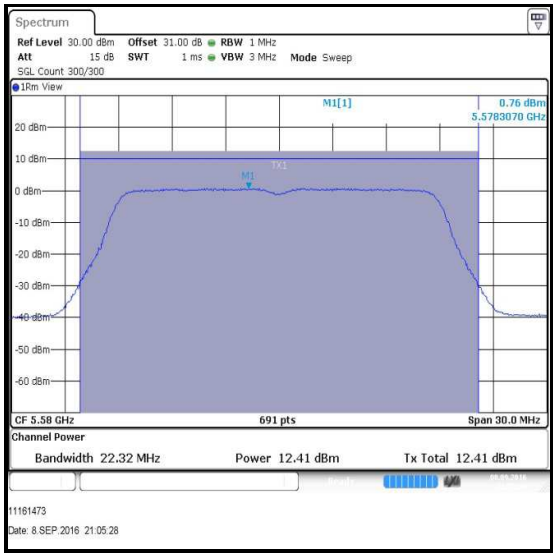
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

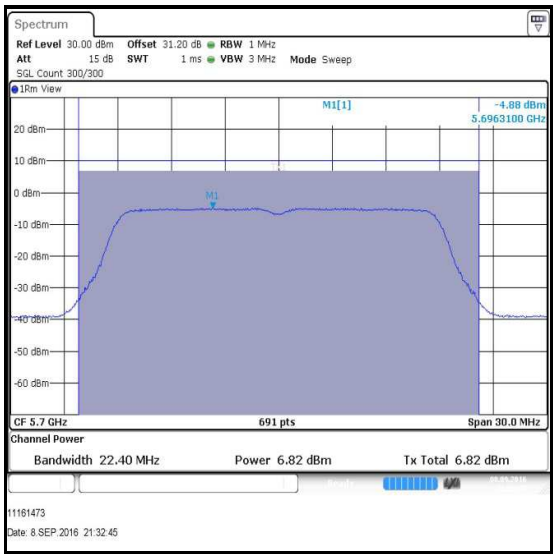
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / 5.47-5.725 GHz band / Port 3



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11n / HT40 / MIMO / 3Tx STBC / MCS0 / Ports 1, 2, 3 / 5.47-5.725 GHz band

Channel	Frequency (MHz)	Port 1		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5510	5.6	0.1	5.7
Middle	5590	12.1	0.1	12.2
Top	5670	12.0	0.1	12.1

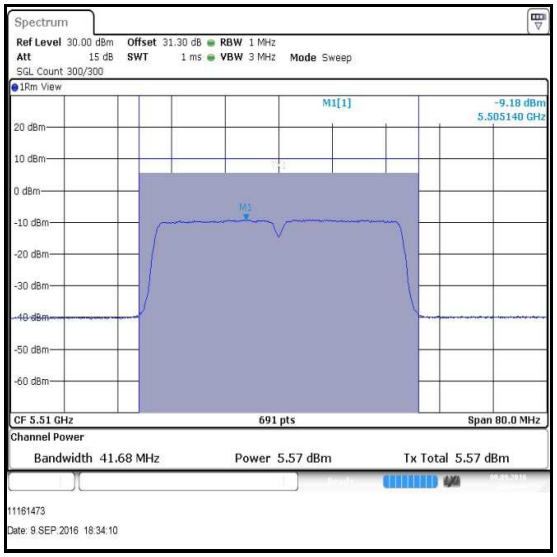
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5510	6.2	0.1	6.3
Middle	5590	12.5	0.1	12.6
Top	5670	12.4	0.1	12.5

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5510	6.2	0.1	6.3
Middle	5590	12.4	0.1	12.5
Top	5670	12.5	0.1	12.6

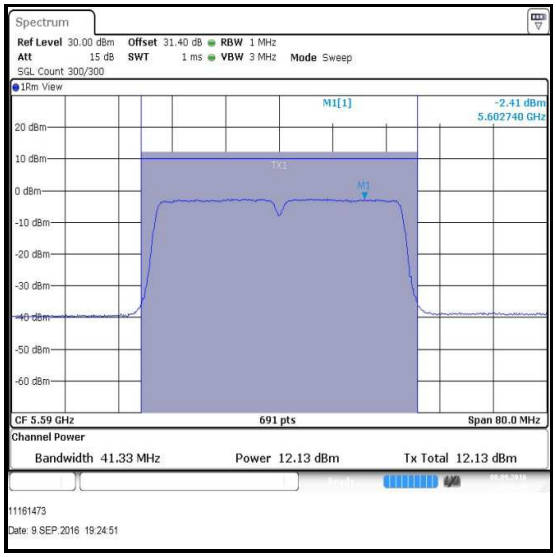
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5510	5.7	6.3	6.3	10.9	24.0	13.1	Complied
Middle	5590	12.2	12.6	12.5	17.2	24.0	6.8	Complied
Top	5670	12.1	12.5	12.6	17.2	24.0	6.8	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

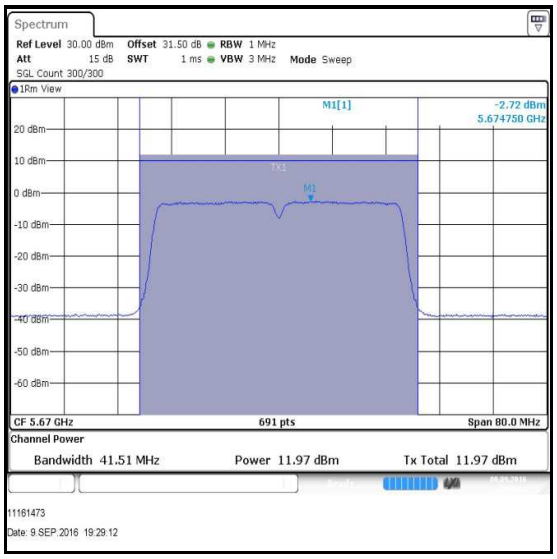
Results: 802.11n / HT40 / MIMO / 3Tx STBC / MCS0 / 5.47-5.725 GHz band / Port 1



Bottom Channel



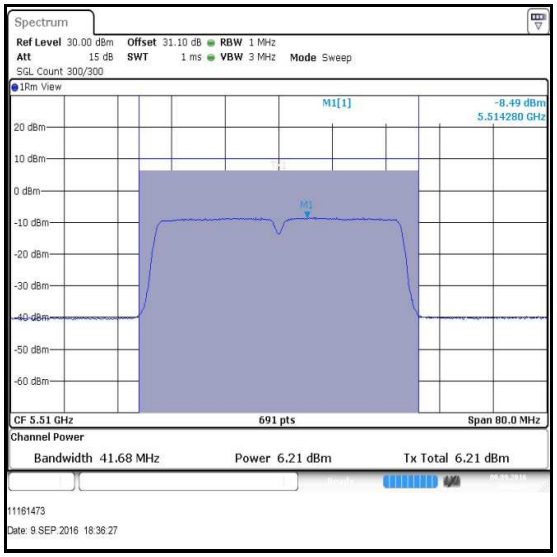
Middle Channel



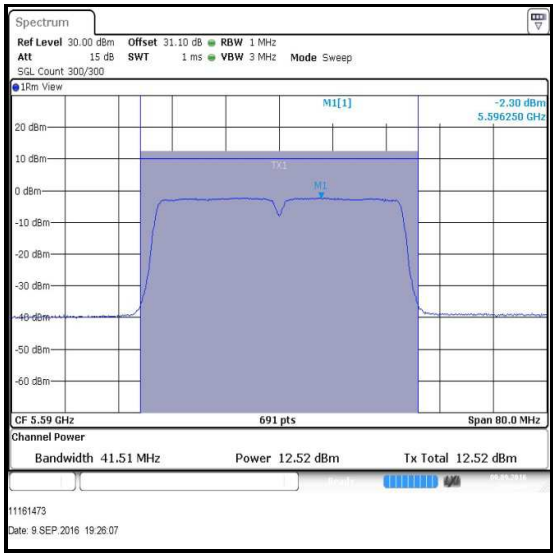
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

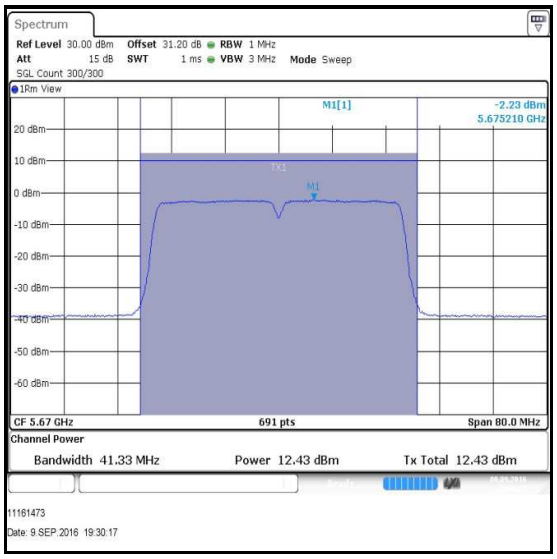
Results: 802.11n / HT40 / MIMO / 3Tx STBC / MCS0 / 5.47-5.725 GHz band / Port 2



Bottom Channel



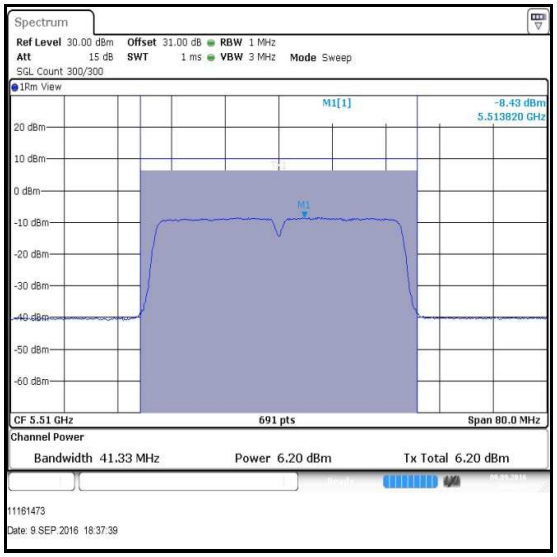
Middle Channel



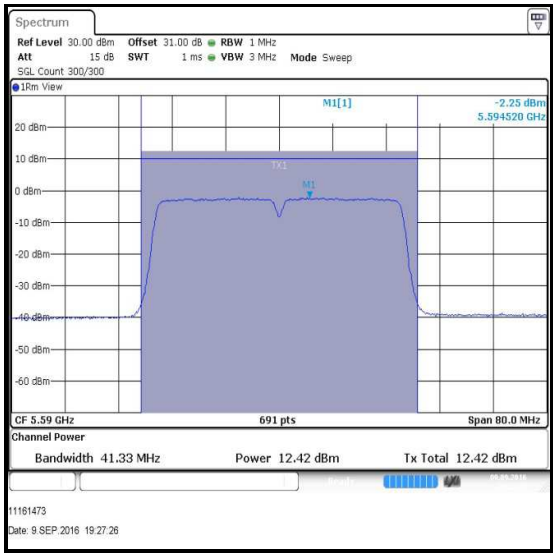
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

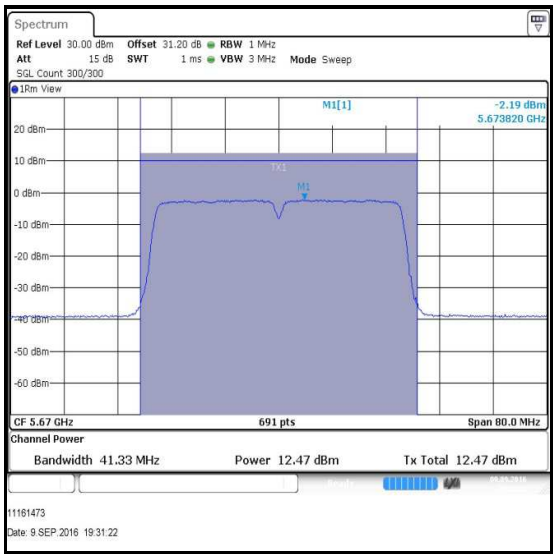
Results: 802.11n / HT40 / MIMO / 3Tx STBC / MCS0 / 5.47-5.725 GHz band / Port 3



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / MCS0x1 / 5.47-5.725 GHz band / Ports 1, 2, 3

Channel	Frequency (MHz)	Port 1		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5530	8.3	0.1	8.4
Top	5610	11.9	0.1	12.0

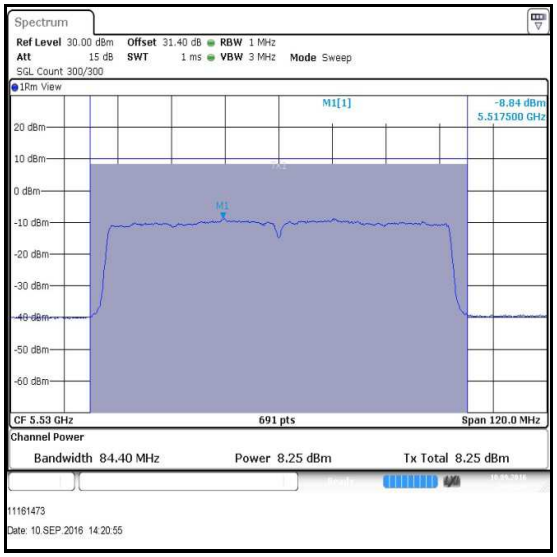
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5530	8.3	0.1	8.4
Top	5610	12.4	0.1	12.5

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5530	8.6	0.1	8.7
Top	5610	12.2	0.1	12.3

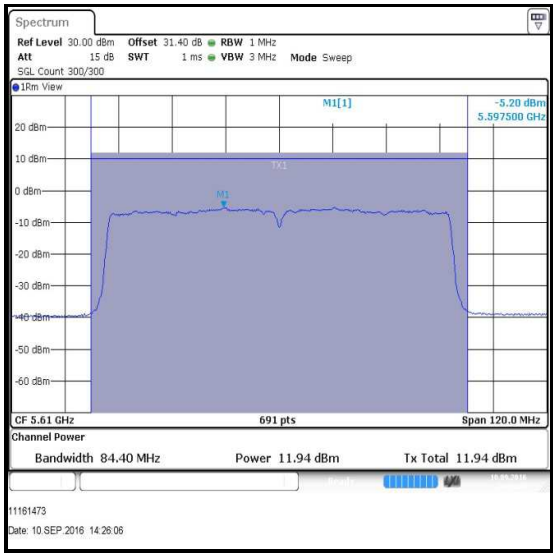
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5530	8.4	8.4	8.7	13.3	24.0	10.7	Complied
Top	5610	12.0	12.5	12.3	17.0	24.0	7.0	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / MCS0x1 / 5.47-5.725 GHz band / Port 1

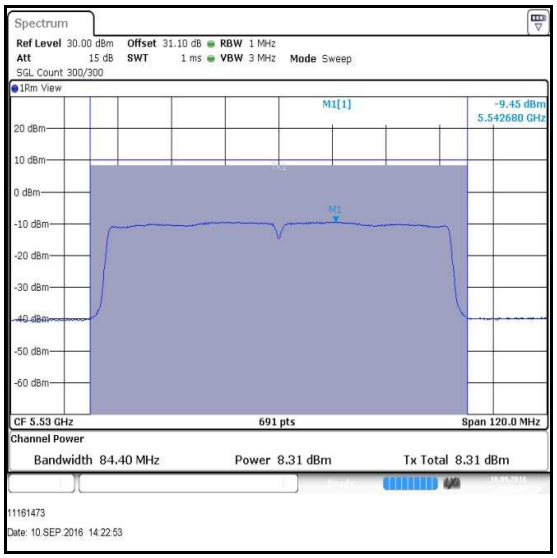


Bottom Channel

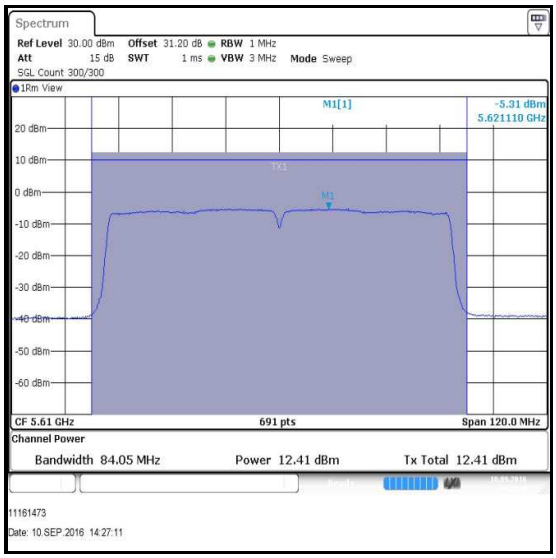


Top Channel

Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / MCS0x1 / 5.47-5.725 GHz band / Port 2



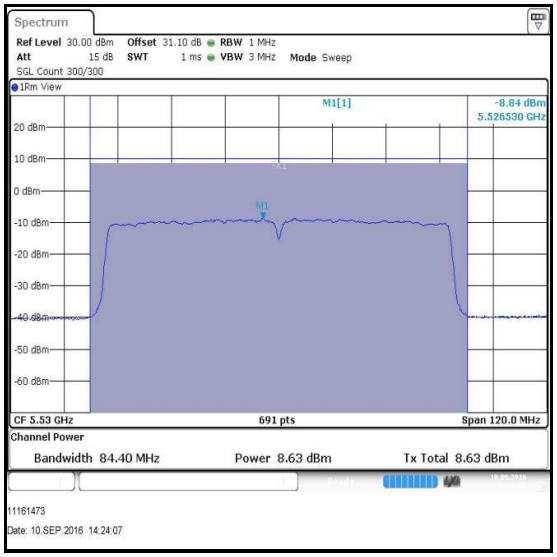
Bottom Channel



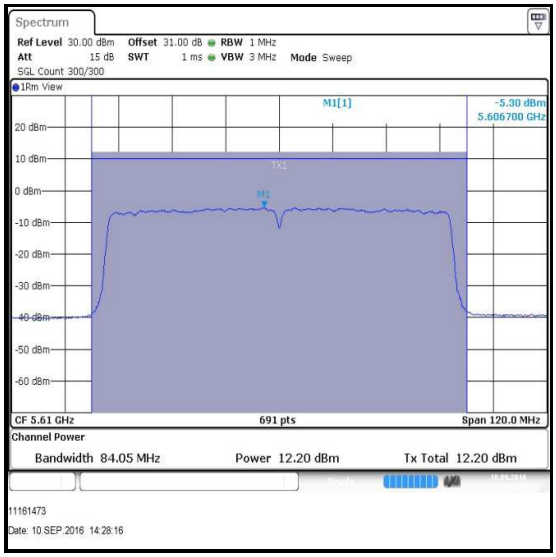
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / MCS0x1 / 5.47-5.725 GHz band / Port 3



Bottom Channel



Top Channel

Transmitter Maximum Conducted Output Power (Straddle Channels U-NII-2C bands and U-NII-3 bands at 5.725 GHz)

Test Summary:

Test Engineer:	Andrew Edwards	**Test Dates:**	06 September 2016 to 15 September 2016
Test Sample Serial Number:	C02S2007HH5Y		

FCC Reference:	Part 15.407(a)(2)
Test Method Used:	KDB 789033 D02 Sections II.E.2.b), II.E.2.d) and III.

Environmental Conditions:

Temperature (°C):	23 to 28
Relative Humidity (%):	45 to 58

Note(s):

1. Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz, need to meet requirements of both U-NII bands. Due to maximum conducted power limit being more stringent on U-NII-2C, compliance is shown against the limits of U-NII-2C. By default the EUT also complies on U-NII-3.
2. The FCC Part 15.407(a)(2) limit is the lesser of 250 mW (24.0 dBm) or 11 dBm + 10 $\log_{10}$ B, where B is the previously measured 26 dB emission bandwidth in MHz.

$$\begin{gathered}\text{For B} > 20\text{ MHz} \rightarrow \\ \rightarrow \log_{10}\text{B} > \log_{10} 20 \rightarrow \\ \rightarrow 10\log_{10}\text{B} > 10\log_{10} 20 \rightarrow \\ \rightarrow 11 + 10\log_{10}\text{B} > 11 + 10\log_{10} 20 \rightarrow \\ \rightarrow 11 + 10\log_{10}\text{B} > 24.0\text{ dBm}\end{gathered}$$

Therefore for measured emission bandwidths greater than 20 MHz, the lesser of the two limits is the fixed limit of 250 mW (24.0 dBm). This was applied to the results.

For measured emission bandwidths of less than 20 MHz, the limit for each channel was calculated as below:

802.11a 20 MHz channel width / Single channel = *11 + 10 log$_{10}$ 16.201= 23.1 dBm*
802.11n 20 MHz channel width SISO / Single channel = *11 + 10 log$_{10}$ 16.375 = 23.1 dBm*
802.11n 20 MHz channel width MIMO 2Tx CDD / Single channel = *11 + 10 log$_{10}$ 16.027= 23.0 dBm*
802.11n 20 MHz channel width MIMO 2Tx STBC / Single channel = *11 + 10 log$_{10}$ 16.114= 23.1 dBm*
802.11n 20 MHz channel width MIMO 3Tx CDD / Single channel = *11 + 10 log$_{10}$ 16.201= 23.1 dBm*
802.11n 20 MHz channel width MIMO 3Tx STBC / Single channel = *11 + 10 log$_{10}$ 16.201= 23.1 dBm*

3. For SISO and STBC modes of operation, the EUT has an antenna gain < 6 dBi.
4. For 2Tx CDD modes of operation, the EUT has a directional antenna gain of 8.2 dBi. In accordance with Part 15.407(a)(2), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore:
    - For 20 MHz channel bandwidths, the limit of 23.0 dBm has been reduced by 2.2 dB to 20.8 dBm.
    - For 40 and 80 MHZ channel bandwidths, the limit of 24.0 dBm has been reduced by 2.2 dB to 21.8 dBm.

Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

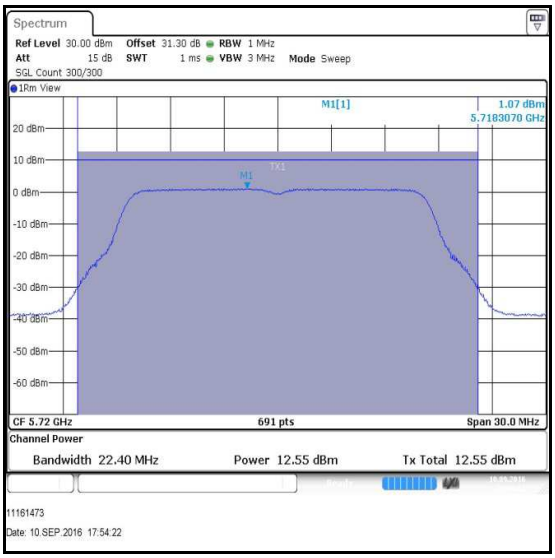
Note(s):

5. For 3Tx CDD modes of operation, the EUT has a directional antenna gain of 9.9 dBi. In accordance with Part 15.407(a)(2), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore:
    - For 20 MHz channel bandwidths, the limit of 23.1dBm has been reduced by 3.9 dB to 19.2 dBm.
    - For 40 and 80 MHZ channel bandwidths, the limit of 24.0 dBm has been reduced by 3.9 dB to 20.1 dBm.
6. Conducted power was measured by integrating the spectrum across the emission bandwidth that is contained on both U-NII-2C and U-NII-3 bands.
7. Conducted power limits were calculated using the emission bandwidth that is contained only within the U-NII-2C band.

Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

Results: 802.11a SISO / 6 Mbps / Port 2

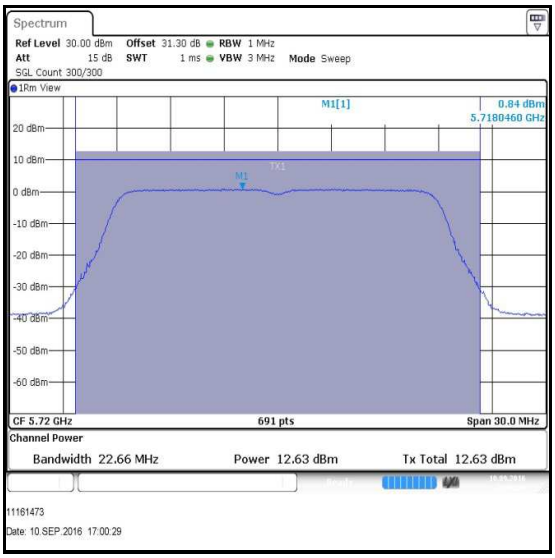
Channel	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5720	12.6	23.1	10.5	Complied



Single Channel

Results: 802.11n / HT20 / SISO / MCS0 / Port 2

Channel	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5720	12.6	23.1	10.5	Complied

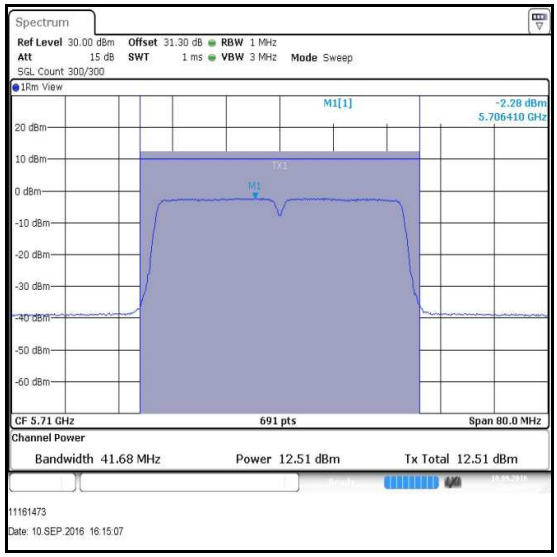


Single Channel

Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

Results: 802.11n / HT40 / SISO / MCS0 / Port 2

Channel	Frequency (MHz)	Conducted Power (dBm)	Duty Cycle Correction Factor (dB)	Corrected Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5710	12.5	0.1	12.6	24.0	11.4	Complied

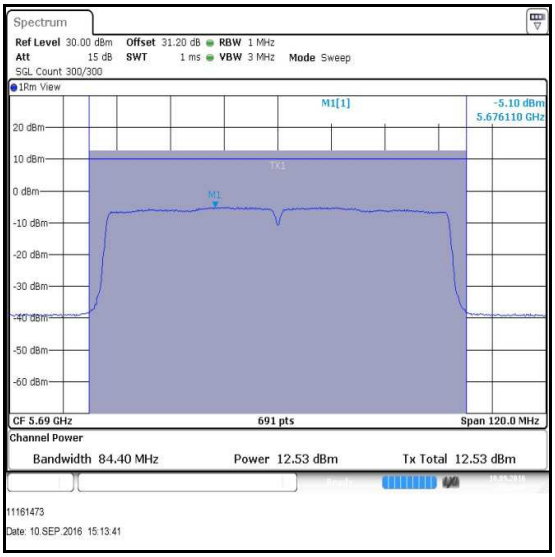


Single Channel

Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

Results: 802.11ac / VHT80 / SISO / MCS0 / Port 2

Channel	Frequency (MHz)	Conducted Power (dBm)	Duty Cycle Correction Factor (dB)	Corrected Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5690	12.5	0.1	12.6	24.0	11.4	Complied

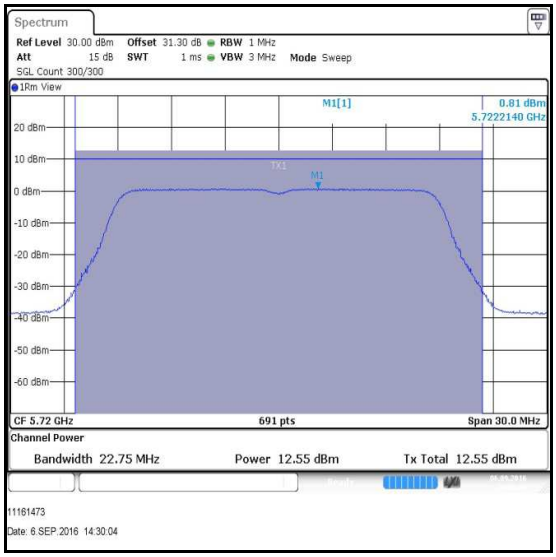


Single Channel

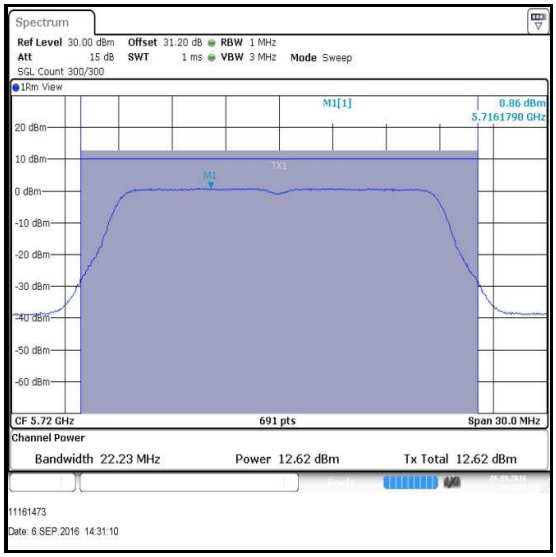
Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

Results: 802.11n / HT20 / MIMO / 2Tx CDD / MCS0 / Ports 2, 3

Channel	Frequency (MHz)	Conducted Power Port 2 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5720	12.6	12.6	15.6	20.8	5.2	Complied



Single Channel / Port 2



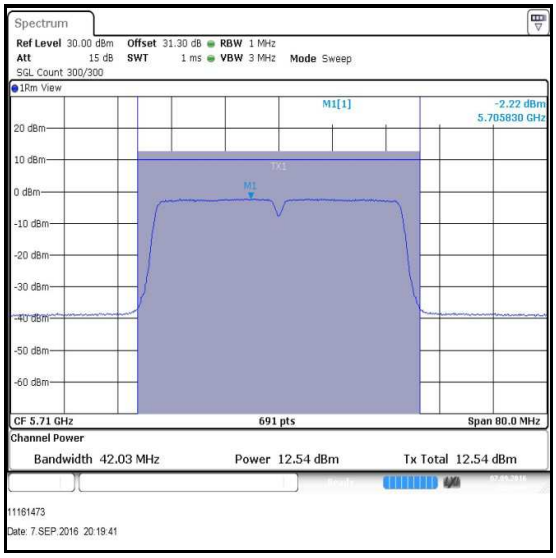
Single Channel / Port 3

Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

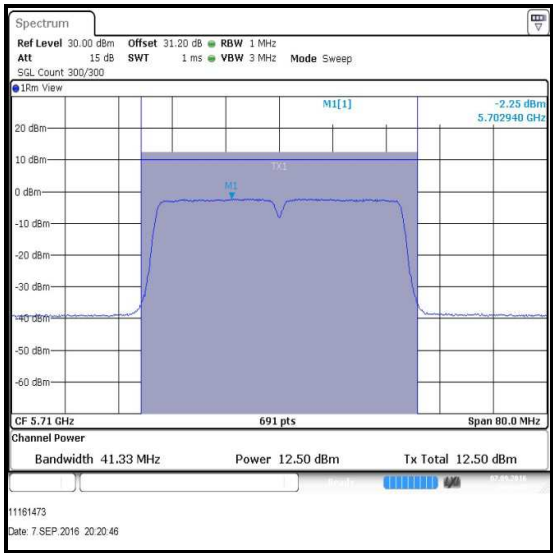
Results: 802.11n / HT40 / MIMO / 2Tx CDD / MCS0 / Ports 2, 3

Channel	Frequency (MHz)	Port 2			Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5710	12.5	0.1	12.6	12.5	0.1	12.6

Channel	Frequency (MHz)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5710	12.6	12.6	15.6	21.8	6.2	Complied



Single Channel / Port 2



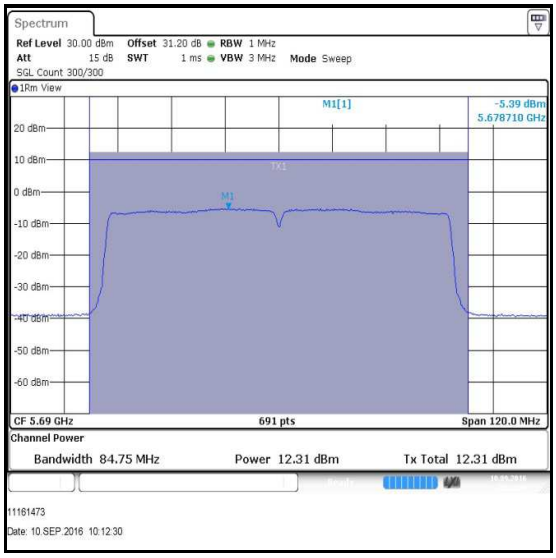
Single Channel / Port 3

Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

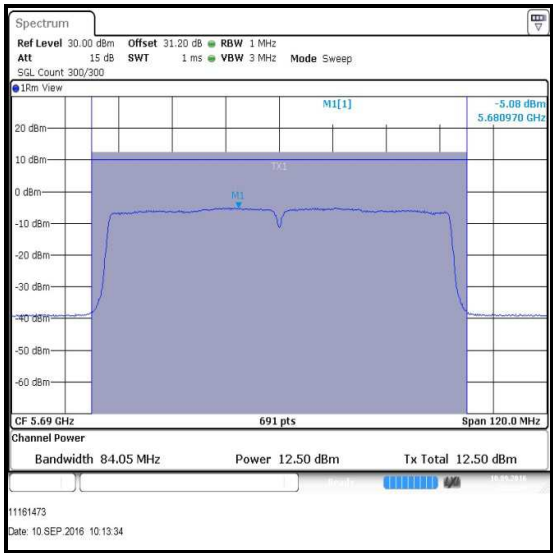
Results: 802.11ac / VHT80 / MIMO / 2Tx CDD / MCS0x1 / Ports 2, 3

Channel	Frequency (MHz)	Port 2			Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5690	12.3	0.1	12.4	12.5	0.1	12.6

Channel	Frequency (MHz)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5690	12.4	12.6	15.5	21.8	6.3	Complied



Single Channel / Port 2

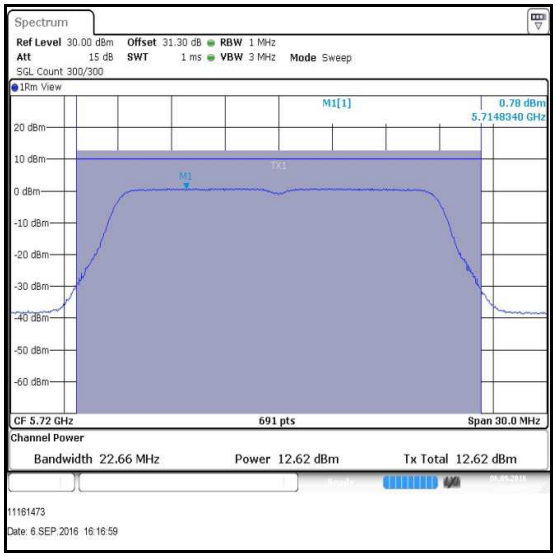


Single Channel / Port 3

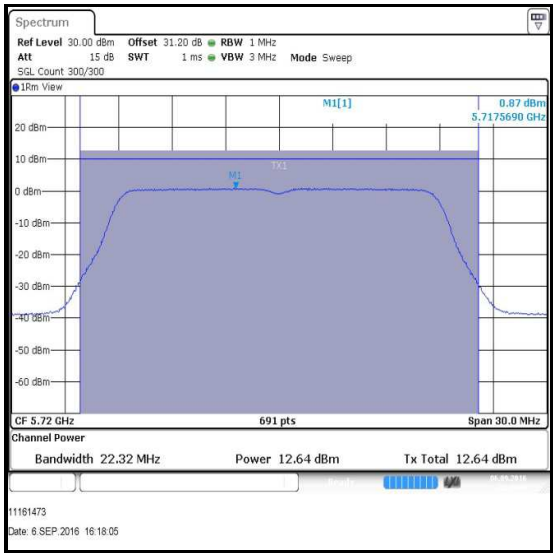
Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

Results: 802.11n / HT20 / MIMO / 2Tx STBC / MCS0 / Ports 2, 3

Channel	Frequency (MHz)	Conducted Power Port 2 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5720	12.6	12.6	15.6	23.1	7.5	Complied



Single Channel / Port 2



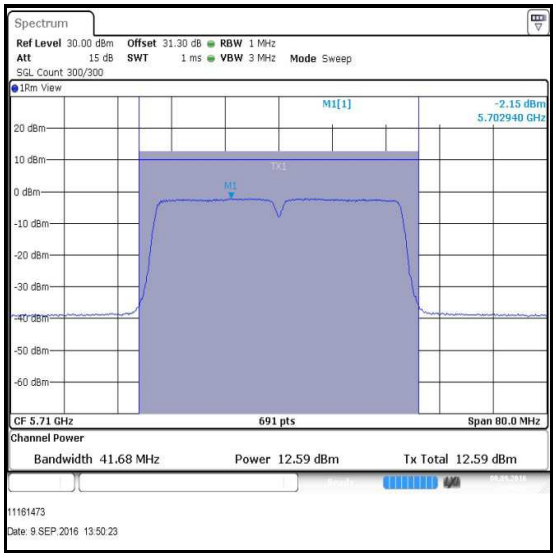
Single Channel / Port 3

Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

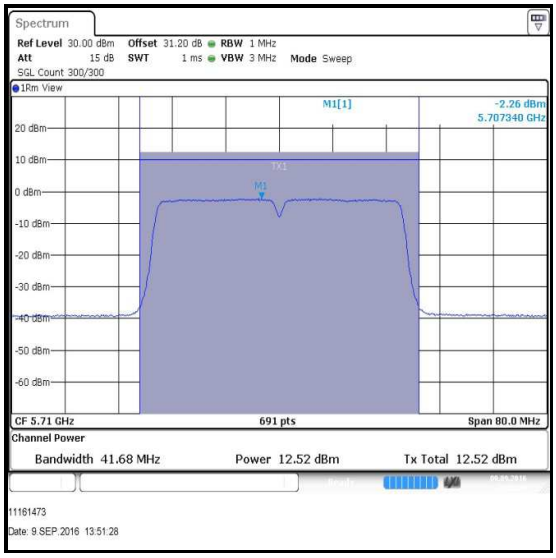
Results: 802.11n / HT40 / MIMO / 2Tx STBC / MCS0 / Ports 2, 3

Channel	Frequency (MHz)	Port 2			Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5710	12.6	0.1	12.7	12.5	0.1	12.6

Channel	Frequency (MHz)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5710	12.7	12.6	15.7	24.0	8.3	Complied



Single Channel / Port 2



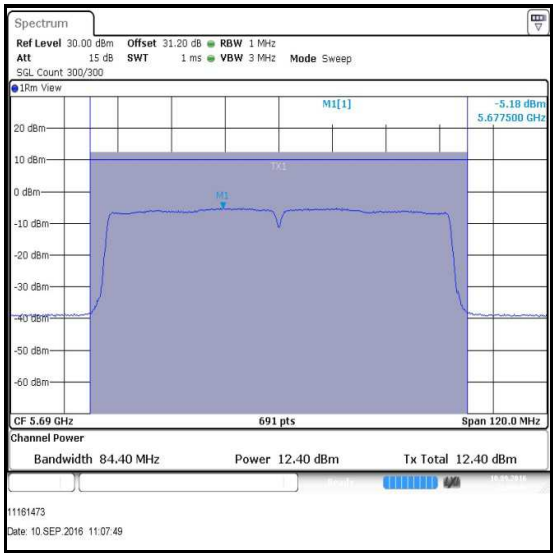
Single Channel / Port 3

Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

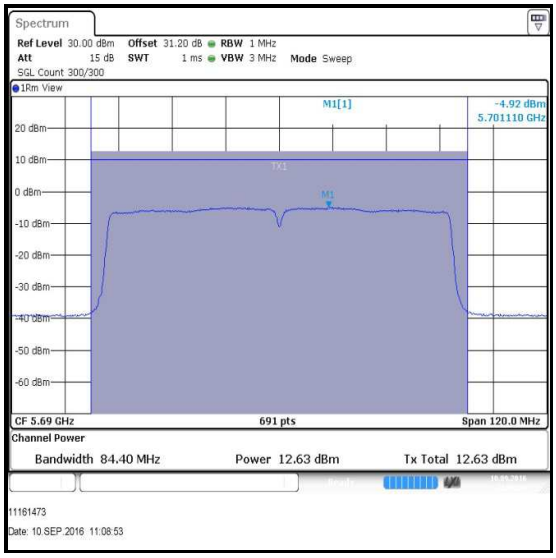
Results: 802.11ac / VHT80 / MIMO / 2Tx STBC / MCS0x1 / Ports 2, 3

Channel	Frequency (MHz)	Port 2			Port 3		
		Conducted Power (dBm)	Duty Cyle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cyle correction (dB)	Corrected Conducted Power (dBm)
Single	5690	12.4	0.1	12.5	12.6	0.1	12.7

Channel	Frequency (MHz)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5690	12.5	12.7	15.6	24.0	8.4	Complied



Single Channel / Port 2

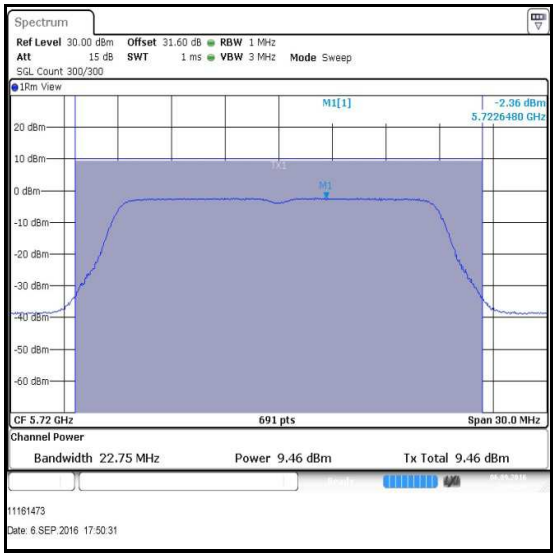


Single Channel / Port 3

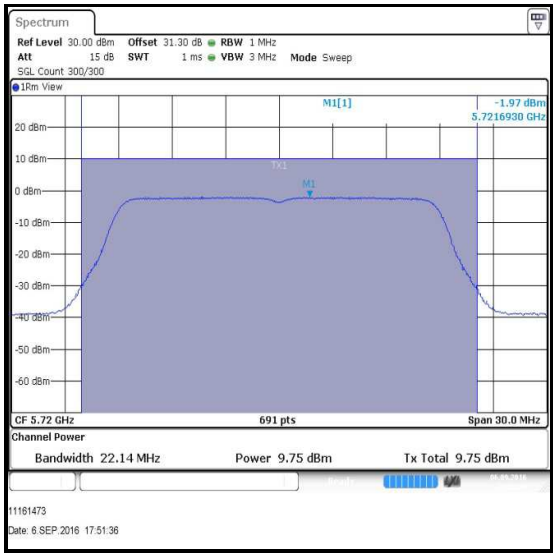
Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / Ports 1, 2, 3

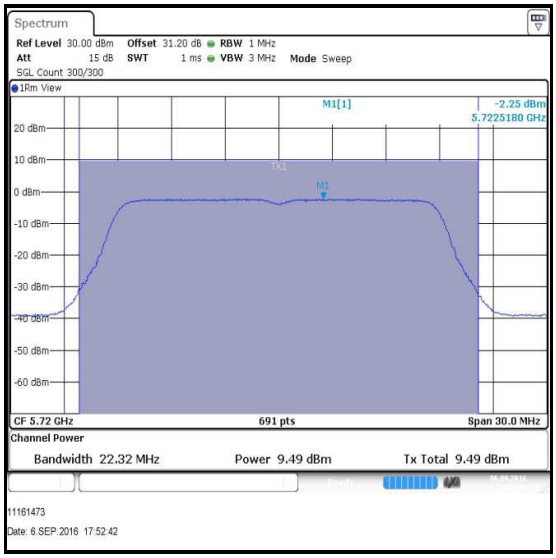
Channel	Frequency (MHz)	Conducted Power Port 1 (dBm)	Conducted Power Port 2 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5720	9.5	9.8	9.5	14.4	19.2	4.8	Complied



Single Channel / Port 1



Single Channel / Port 2



Single Channel / Port 3

Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

Results: 802.11n / HT40 / MIMO / 3Tx CDD / MCS0 / Ports 1, 2, 3

Channel	Frequency (MHz)	Port 1		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5710	11.8	0.1	11.9

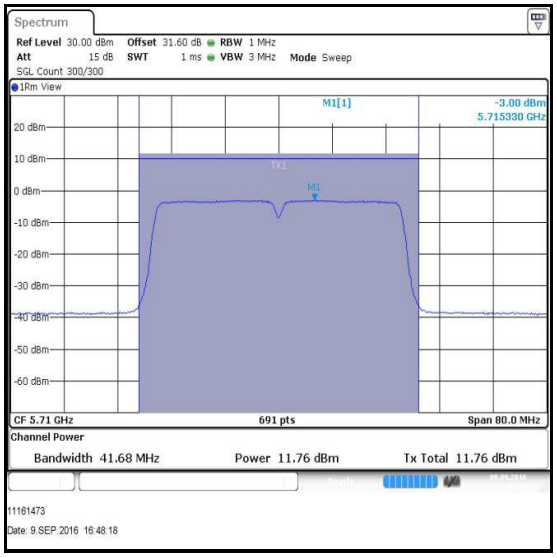
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5710	12.2	0.1	12.3

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5710	12.0	0.1	12.1

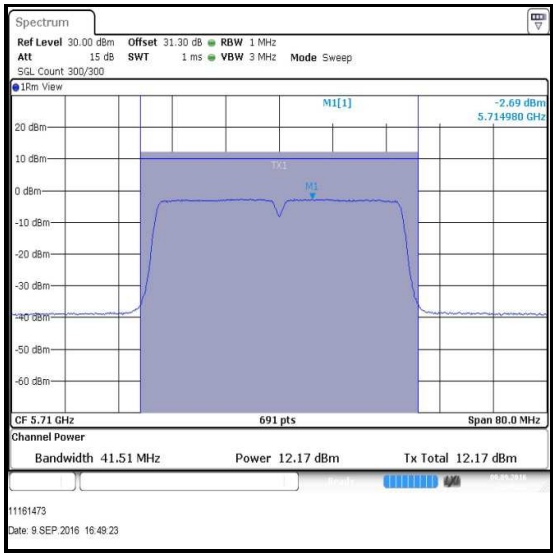
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5710	11.9	12.3	12.1	16.9	20.1	3.2	Complied

Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

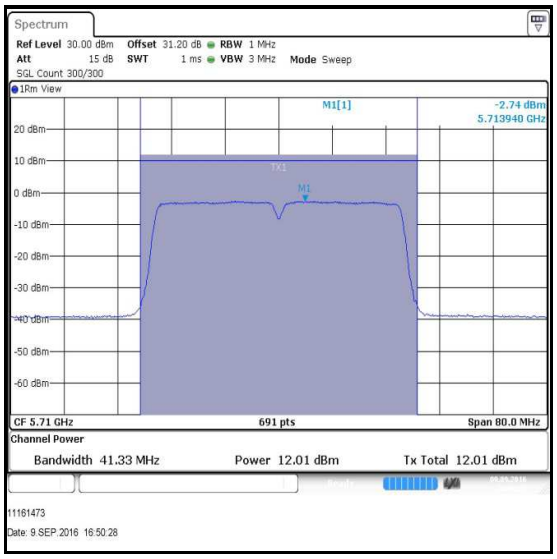
Results: 802.11n / HT40 / MIMO / 3Tx CDD / MCS0



Single Channel / Port 1



Single Channel / Port 2



Single Channel / Port 3

Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz) (continued)

Results: 802.11ac / VHT80 / MIMO / 3Tx CDD / MCS0x1 / Ports 1, 2, 3

Channel	Frequency (MHz)	Port 1		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5690	12.4	0.1	12.5

Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5690	12.5	0.1	12.6

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5690	12.6	0.1	12.7

Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5690	12.5	12.6	12.7	17.4	20.1	2.7	Complied