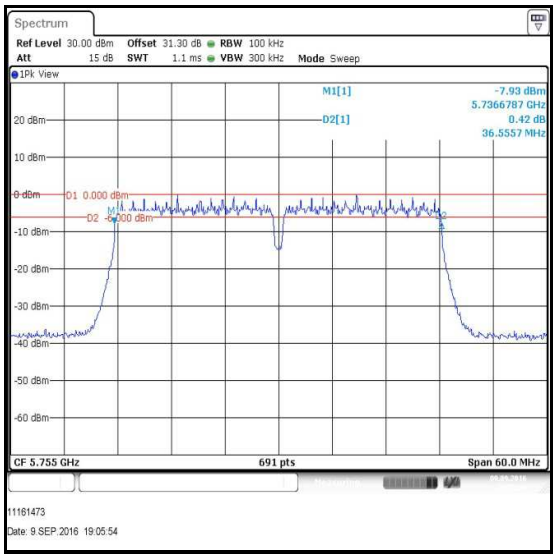
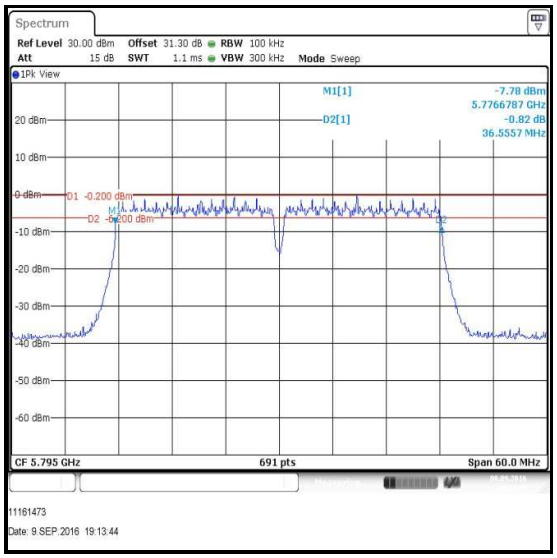
Transmitter Minimum 6 dB Bandwidth (5.725-5.85 GHz band) (continued)

Results: 802.11n / HT40 / MIMO / 3Tx STBC / MCS0 / Port 3

Channel	6 dB Bandwidth (kHz)	Limit (kHz)	Margin (kHz)	Result
Bottom	36556	≥500	36056	Complied
Top	36556	≥500	36056	Complied



Bottom Channel



Top Channel

Transmitter Minimum 6 dB Bandwidth (5.725-5.85 GHz band) (continued)

Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / MCS0x1 / Port 1

Channel	6 dB Bandwidth (kHz)	Limit (kHz)	Margin (kHz)	Result
Single	76240	≥500	75740	Complied

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

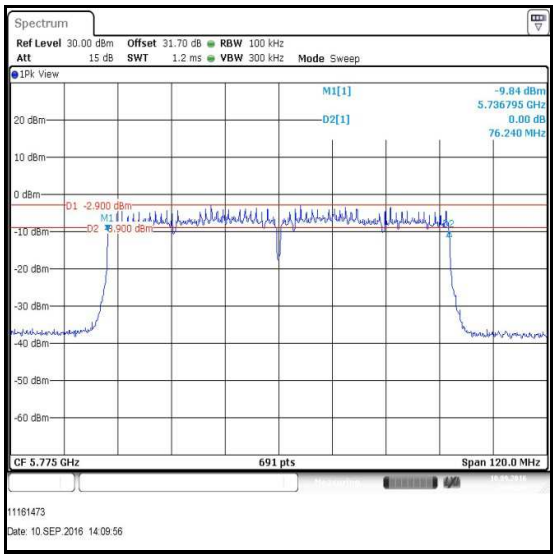
Channel	6 dB Bandwidth (kHz)	Limit (kHz)	Margin (kHz)	Result
Single	76580	≥500	76080	Complied

Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / MCS0x1 / Port 3

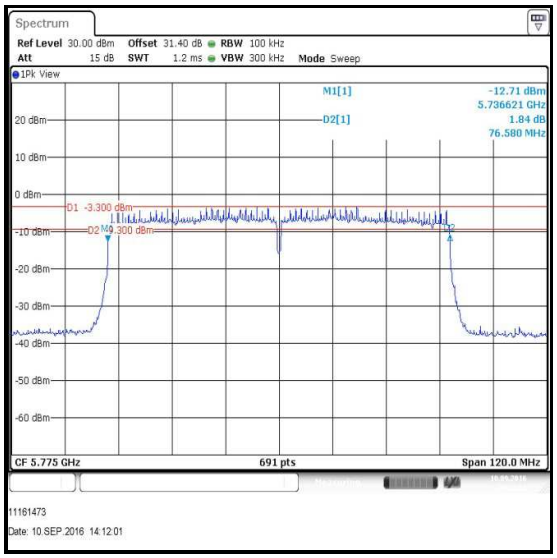
Channel	6 dB Bandwidth (kHz)	Limit (kHz)	Margin (kHz)	Result
Single	76240	≥500	75740	Complied

Transmitter Minimum 6 dB Bandwidth (5.725-5.85 GHz band) (continued)

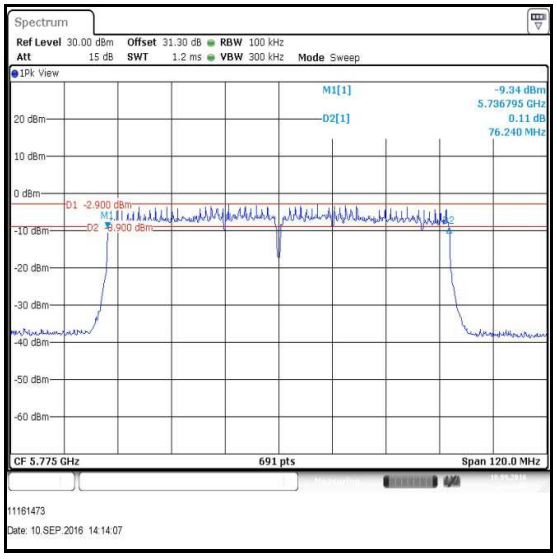
Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / MCS0x1



Single Channel / Port 1



Single Channel / Port 2



Single Channel / Port 3

Transmitter Minimum 6 dB Bandwidth (5.725-5.85 GHz band) (continued)

Test Equipment Used:

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M2002	Thermohygrometer	Testo	608-H1	45041825	02 Apr 2017	12
M1835	Signal Analyser	Rohde & Schwarz	FSV30	103050	26 Feb 2017	12
A2952	RF Swtich	Pickering	64-102-002	XZ361012	Calibrated before use	-
A1374	Attenuator	Pasternack Enterprises	PE7013-10	Not stated	Calibrated before use	-
A2847	Attenuator	Radiall	R411.820.121	24671450	Calibrated before use	-
A2929	Attenuator	AtlanTecRF	AB18W5-03	011019-21#1	Calibrated before use	-
A2930	Attenuator	AtlanTecRF	AB18W5-10	000907-18#1	Calibrated before use	-
A2931	Attenuator	AtlanTecRF	AB18W5-20	970994#1	Calibrated before use	-
M260	Signal Generator	Rohde & Schwarz	SMP02	829076/008	09 May 2017	12

5.2.3. Transmitter Duty Cycle

Test Summary:

Test Engineer:	Andrew Edwards	**Test Dates:**	08 September 2016 to 10 September 2016
Test Sample Serial Number:	C02S2007HH5Y		

FCC Reference:	Part 15.35(c)
Test Method Used:	KDB 789033 D02 Section II.B.2.b)

Environmental Conditions:

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

Note(s):

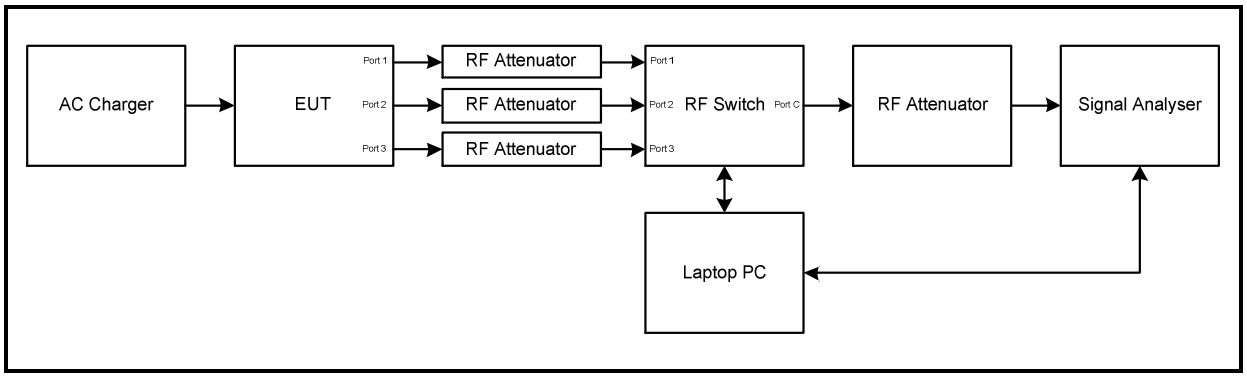
1. In order to assist with the determination of the average level of fundamental and spurious emissions field strength, measurements were made of duty cycle to determine the transmission duration and the silent period time of the transmitter. The transmitter duty cycle was measured using a spectrum analyser in the time domain and calculated by using the following calculation:

10 log 1 / (On Time / [Period or 100ms whichever is the lesser]).

802.11n HT40 / SISO / MCS0 duty cycle: 10 log (1 / (941.010 / 963.840)) = 0.1
802.11ac VHT80 / SISO / MCS0x1 duty cycle: 10 log (1 / (542.658 / 560.839)) = 0.1
802.11n HT40 / MIMO / 2Tx CDD / MCS0 / duty cycle: 10 log (1 / (941.010 / 963.840)) = 0.1
802.11ac VHT80 / MIMO / 2Tx CDD / MCS0x1 duty cycle: 10 log (1 / (542.658 / 560.839)) = 0.1
802.11n HT40 / MIMO / 2Tx STBC / MCS0 duty cycle: 10 log (1 / (943.980 / 965.790)) = 0.1
802.11ac VHT80 / MIMO / 2Tx STBC / MCS0x1 duty cycle: 10 log (1 / (546.534 / 564.845)) = 0.1
802.11n HT40 / MIMO / 3Tx CDD / MCS0 duty cycle: 10 log (1 / (941.010 / 963.840)) = 0.1
802.11ac VHT80 / MIMO / 3Tx CDD / MCS0x1 duty cycle: 10 log (1 / (542.658 / 560.839)) = 0.1
802.11n HT40 / MIMO / 3Tx STBC / MCS0 duty cycle: 10 log (1 / (943.980 / 965.790)) = 0.1
802.11ac VHT80 / MIMO / 3Tx STBC / MCS0x1 duty cycle: 10 log (1 / (546.534 / 564.845)) = 0.1

2. Measurements were performed on all EUT's ports and found to be identical. Therefore only results for port 2 are presented in this section of the test report.
3. Plots below are for data rates with a duty cycle less than 98%.
4. Results for all ports and modes of operation are archived on the Company server and are available for inspection upon request.

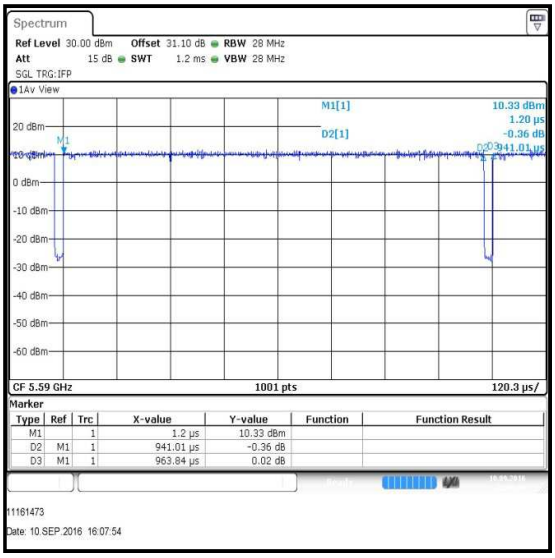
Test setup:



Transmitter Duty Cycle (continued)

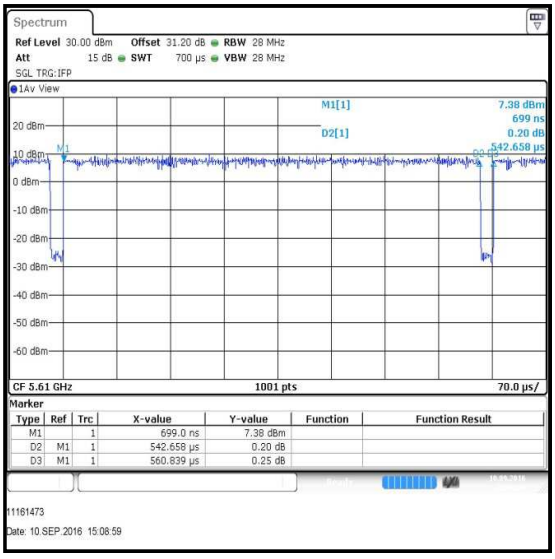
Results: 802.11n / HT40 / SISO / MCS0

Pulse Duration (µs)	Period (µs)	Duty Cycle (dB)
941.010	963.840	0.1



Results: 802.11ac / VHT80 / SISO / MCS0x1

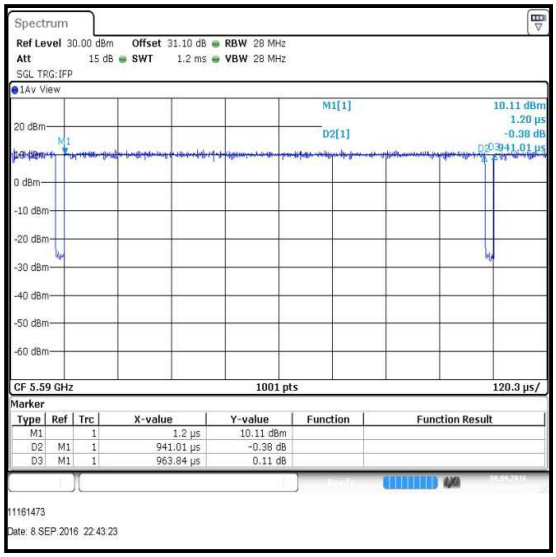
Pulse Duration (µs)	Period (µs)	Duty Cycle (dB)
542.658	560.839	0.1



Transmitter Duty Cycle (continued)

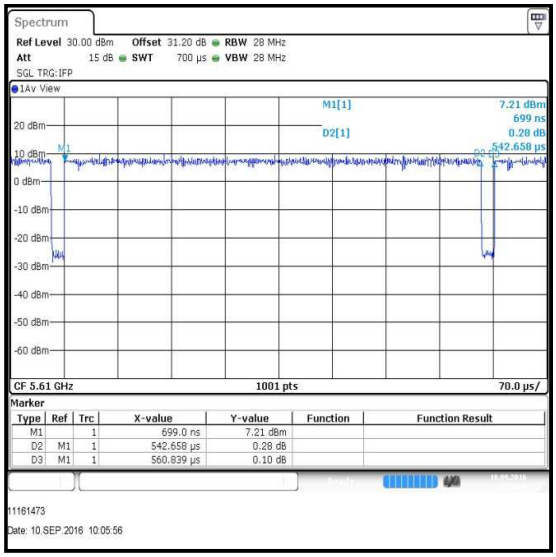
Results: 802.11n / HT40 / MIMO / 2Tx CDD / MCS0

Pulse Duration (µs)	Period (µs)	Duty Cycle (dB)
941.010	963.840	0.1



Results: 802.11ac / VHT80 / MIMO / 2Tx CDD / MCS0x1

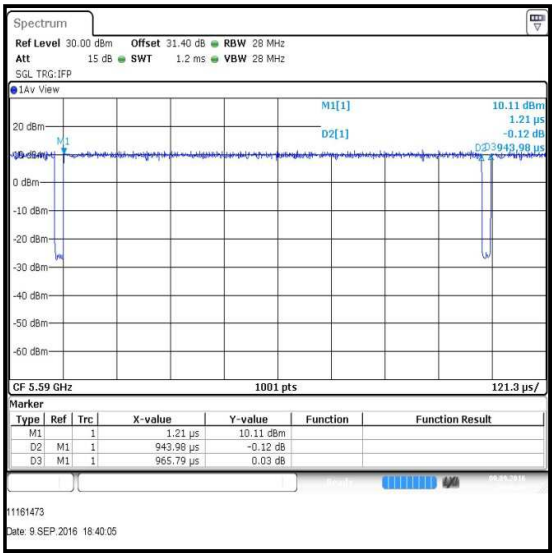
Pulse Duration (µs)	Period (µs)	Duty Cycle (dB)
542.658	560.839	0.1



Transmitter Duty Cycle (continued)

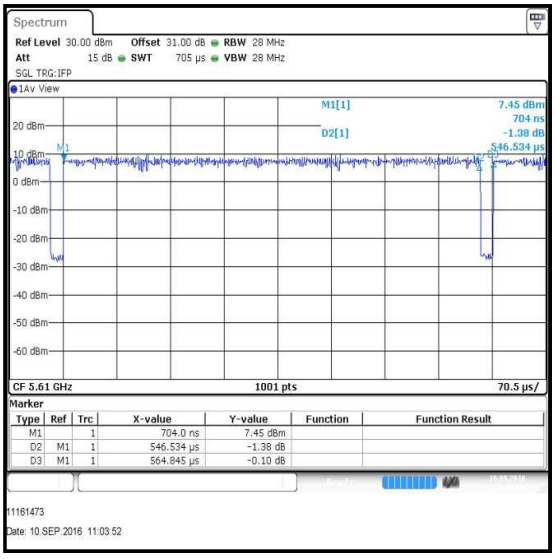
Results: 802.11n / HT40 / MIMO / 2Tx STBC / MCS0

Pulse Duration (µs)	Period (µs)	Duty Cycle (dB)
943.980	965.790	0.1



Results: 802.11ac / VHT80 / MIMO / 2Tx STBC / MCS0x1

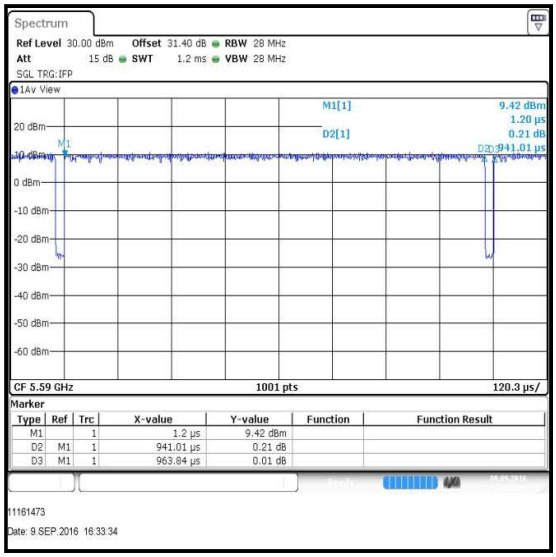
Pulse Duration (µs)	Period (µs)	Duty Cycle (dB)
546.534	564.845	0.1



Transmitter Duty Cycle (continued)

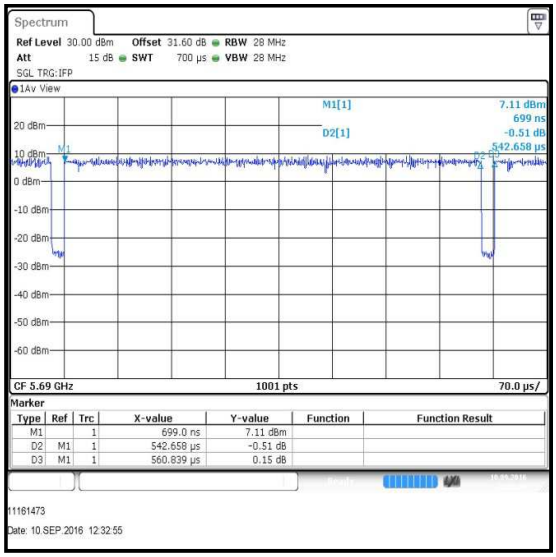
Results: 802.11n / HT40 / MIMO / 3Tx CDD / MCS0

Pulse Duration (µs)	Period (µs)	Duty Cycle (dB)
941.010	963.840	0.1



Results: 802.11ac / VHT80 / MIMO / 3Tx CDD / MCS0x1

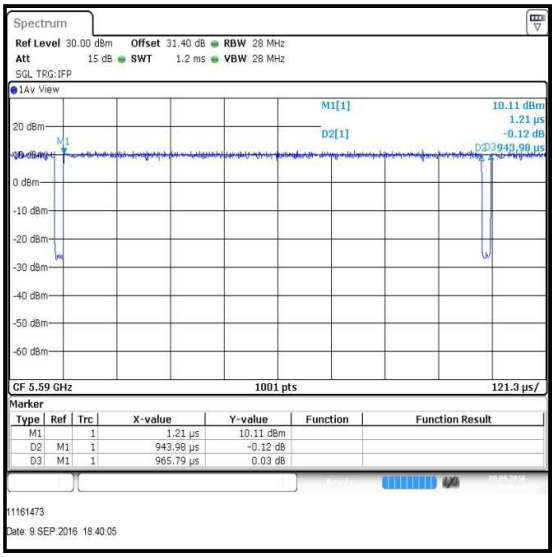
Pulse Duration (µs)	Period (µs)	Duty Cycle (dB)
542.658	560.839	0.1



Transmitter Duty Cycle (continued)

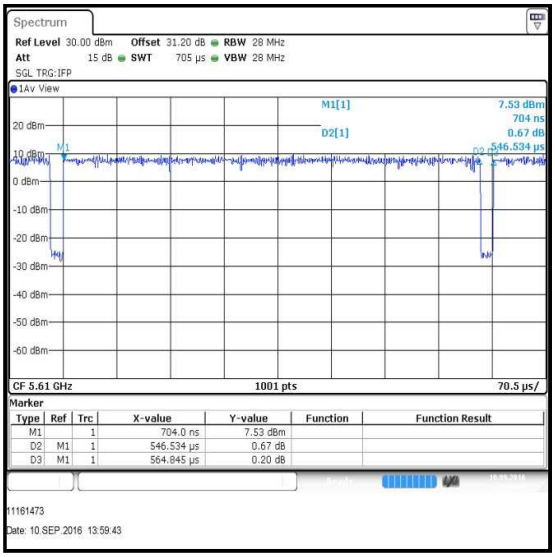
Results: 802.11n / HT40 / MIMO / 3Tx STBC / MCS0

Pulse Duration (µs)	Period (µs)	Duty Cycle (dB)
943.980	965.790	0.1



Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / MCS0x1

Pulse Duration (µs)	Period (µs)	Duty Cycle (dB)
546.534	564.845	0.1



Transmitter Duty Cycle (continued)

Test Equipment Used:

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M2002	Thermohygrometer	Testo	608-H1	45041825	02 Apr 2017	12
M1835	Signal Analyser	Rohde & Schwarz	FSV30	103050	26 Feb 2017	12
A2952	RF Swtich	Pickering	64-102-002	XZ361012	Calibrated before use	-
A1374	Attenuator	Pasternack Enterprises	PE7013-10	Not stated	Calibrated before use	-
A2847	Attenuator	Radiall	R411.820.121	24671450	Calibrated before use	-
A2929	Attenuator	AtlanTecRF	AB18W5-03	011019-21#1	Calibrated before use	-
A2930	Attenuator	AtlanTecRF	AB18W5-10	000907-18#1	Calibrated before use	-
A2931	Attenuator	AtlanTecRF	AB18W5-20	970994#1	Calibrated before use	-
M260	Signal Generator	Rohde & Schwarz	SMP02	829076/008	09 May 2017	12

5.2.4. Transmitter Maximum Conducted Output Power

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)(1)(iv)
Test Method Used:	KDB 789033 D02 Section II.E.2.b) and II.E.2.d)

Environmental Conditions:

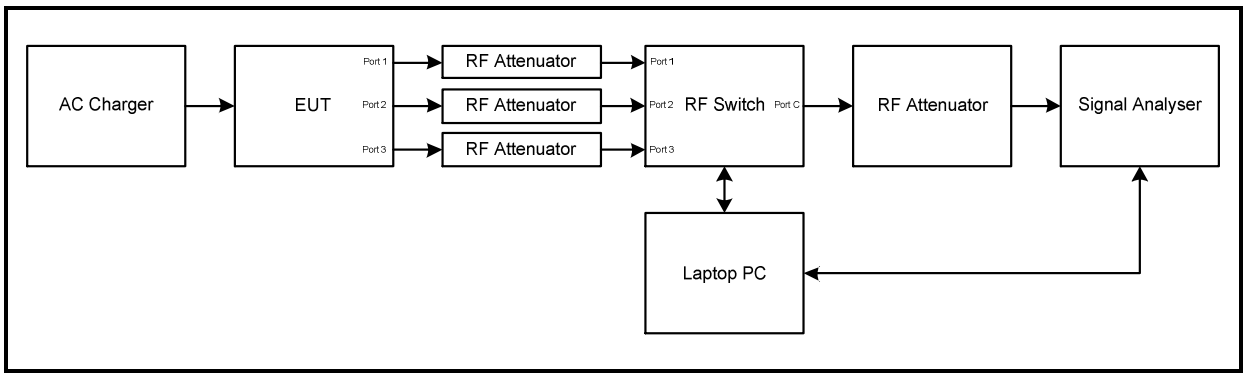
Temperature (°C):	23 to 28
Relative Humidity (%):	45 to 58

Note(s):

1. For conducted power tests where the duty cycle is >98%, the measurements were performed using a signal analyser in accordance with FCC KDB 789033 II.E.2.b) Method SA-1. Where the duty cycle is <98%, measurements were performed in accordance with FCC KDB 789033 II.E.2.d) Method SA-2.
2. Measurements were performed on data rates detailed in section 4.2 on the relevant channels.
3. For data rates where the EUT was transmitting at <98% duty cycle, the calculated duty cycle in section 5.2.3 was added to the measured power in order to compute the average power during the actual transmission time.
4. For MIMO modes of operation, conducted power was measured on both ports and then combined using the measure-and-sum method stated in FCC KDB 662911.
5. For all SISO and MIMO STBC modes of operation, the antenna gain is < 6 dBi.
6. For 2Tx CDD modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 8.6 dBi. In accordance with Part 15.407(a)(1)(iv), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 24.0 dBm has been reduced by 2.6 dB to 21.4 dBm.
7. For 3Tx CDD modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 10.3 dBi. In accordance with Part 15.407(a)(1)(iv), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 24.0 dBm has been reduced by 4.3 dB to 19.7 dBm.
8. For details on antenna gains refer to section 3.6 of this test report.
9. The signal analyser was connected to the RF port on the EUT using an RF switch, suitable attenuation and RF cable. An RF level offset was entered on the spectrum analyser to compensate for the loss of the attenuator and RF cable.
10. The Part 15.407(a)(1)(iv) limit shall not exceed 250 mW (24.0 dBm).

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

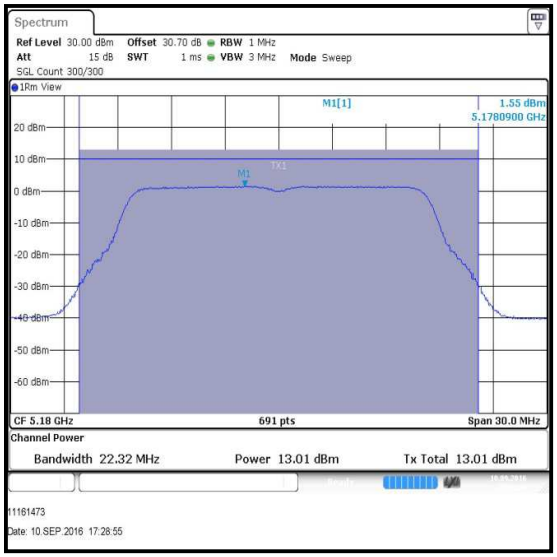
Test setup:



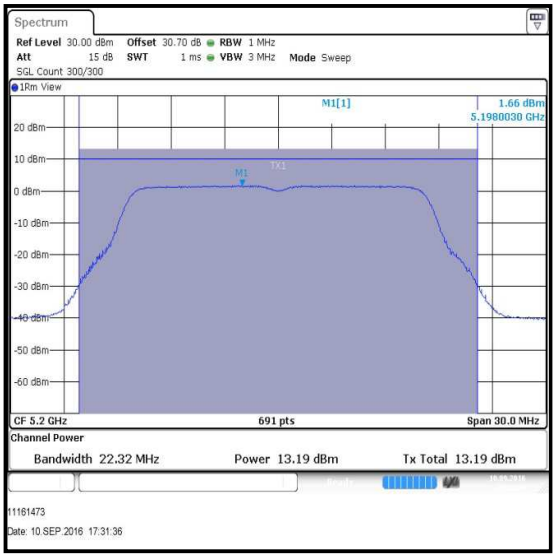
Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

Results: 802.11a SISO / 6 Mbps / Port 3

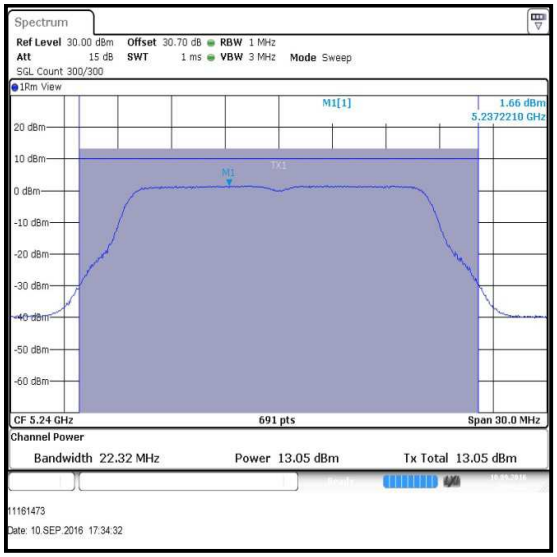
Channel	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5180	13.0	24.0	11.0	Complied
Middle	5200	13.2	24.0	10.8	Complied
Top	5240	13.1	24.0	10.9	Complied



Bottom Channel



Middle Channel

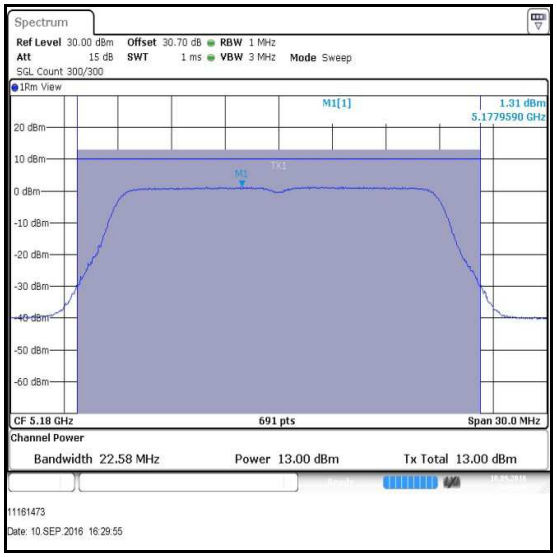


Top Channel

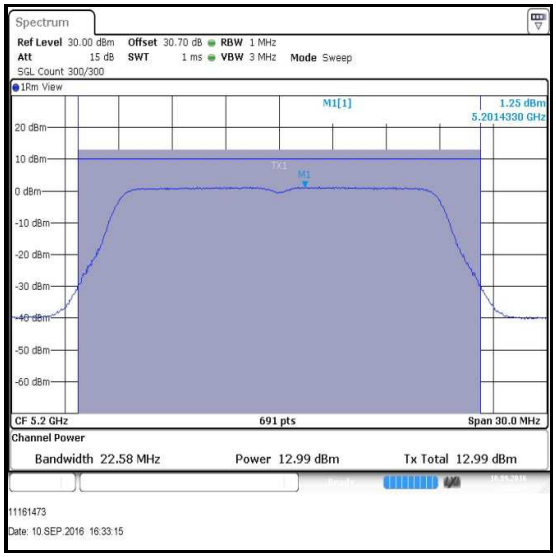
Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

Results: 802.11n / HT20 / SISO / MCS0 / Port 3

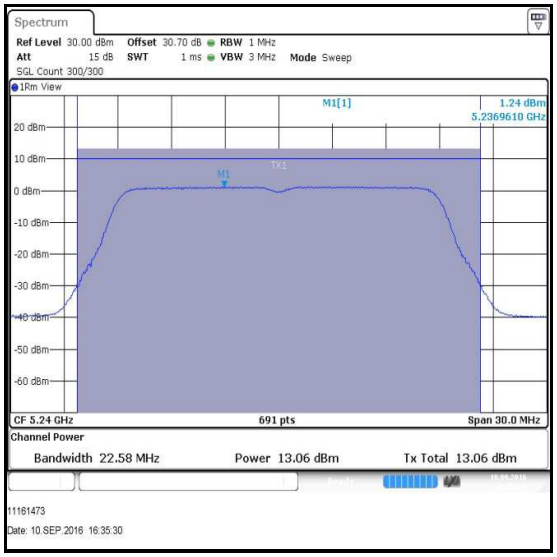
Channel	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5180	13.0	24.0	11.0	Complied
Middle	5200	13.0	24.0	11.0	Complied
Top	5240	13.1	24.0	10.9	Complied



Bottom Channel



Middle Channel

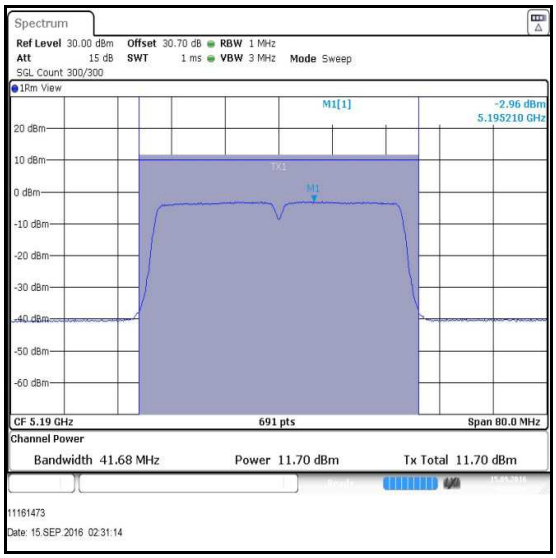


Top Channel

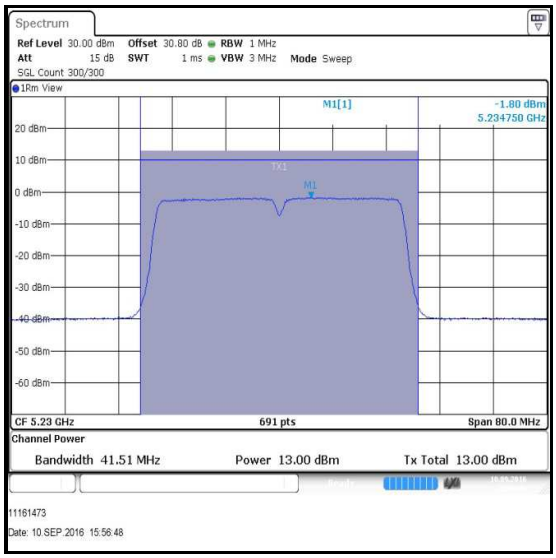
Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

Results: 802.11n / HT40 / SISO / MCS0 / Port 3

Channel	Frequency (MHz)	Power (dBm)	Duty Cycle Correction Factor (dB)	Corrected Power (dBm)	Power Limit (dBm)	Margin (dB)	Result
Bottom	5190	11.7	0.1	11.8	24.0	12.2	Complied
Top	5230	13.0	0.1	13.1	24.0	10.9	Complied



Bottom Channel

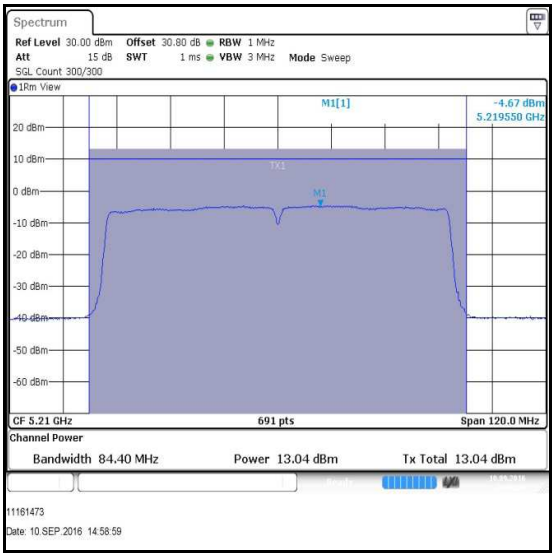


Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

Results: 802.11ac / VHT80 / SISO / MCS0 / Port 3

Channel	Frequency (MHz)	Power (dBm)	Duty Cycle Correction Factor (dB)	Corrected Power (dBm)	Power Limit (dBm)	Margin (dB)	Result
Single	5210	13.0	0.1	13.1	24.0	10.9	Complied



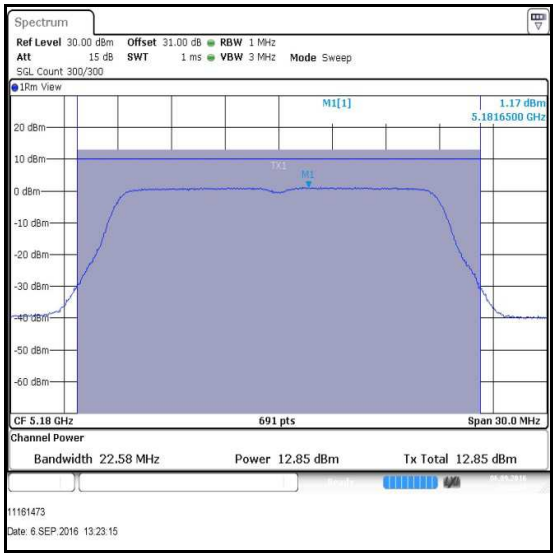
Single Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

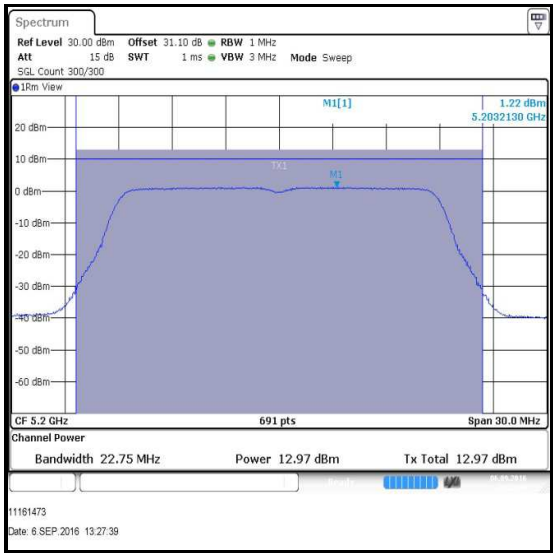
Results: 802.11n / HT20 / MIMO / 2Tx CDD / MCS0 / Ports 1, 3

Channel	Frequency (MHz)	Conducted Power Port 1 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5180	12.9	12.6	15.8	21.4	5.6	Complied
Middle	5200	13.0	12.7	15.9	21.4	5.5	Complied
Top	5240	12.8	12.6	15.7	21.4	5.7	Complied

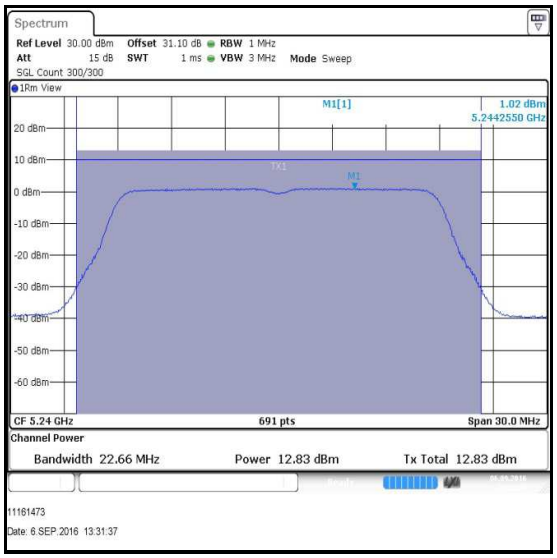
Results: 802.11n / HT20 / MIMO / 2Tx CDD / MCS0/ Port 1



Bottom Channel



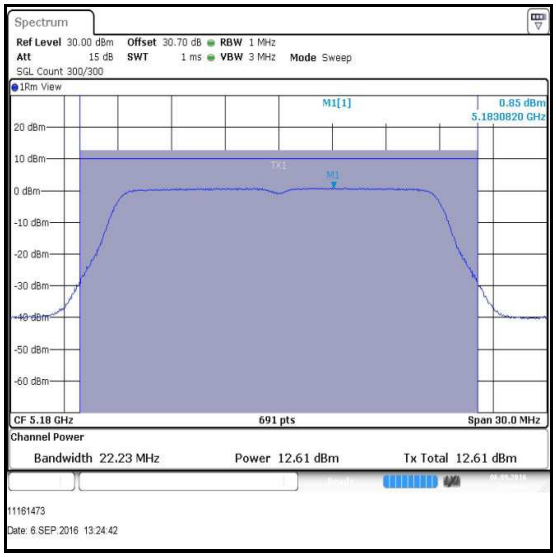
Middle Channel



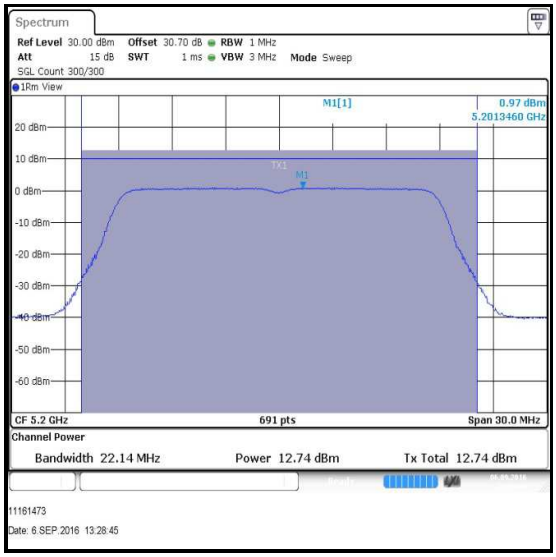
Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

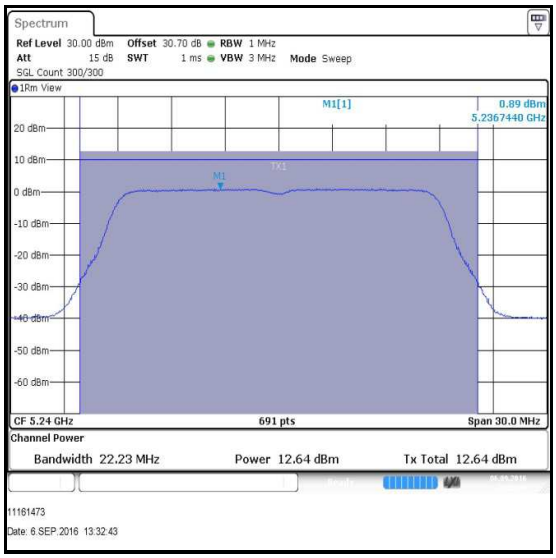
Results: 802.11n / HT20 / MIMO / 2Tx CDD / MCS0 / Port 3



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

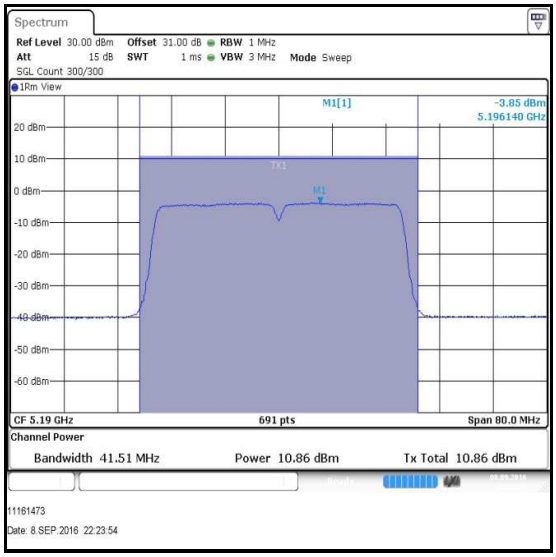
Results: 802.11n / HT40 / MIMO / 2Tx CDD / MCS0 / Ports 1, 3

Channel	Frequency (MHz)	Port 1			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	5190	10.9	0.1	11.0	11.1	0.1	11.2
Top	5230	12.9	0.1	13.0	12.8	0.1	12.9

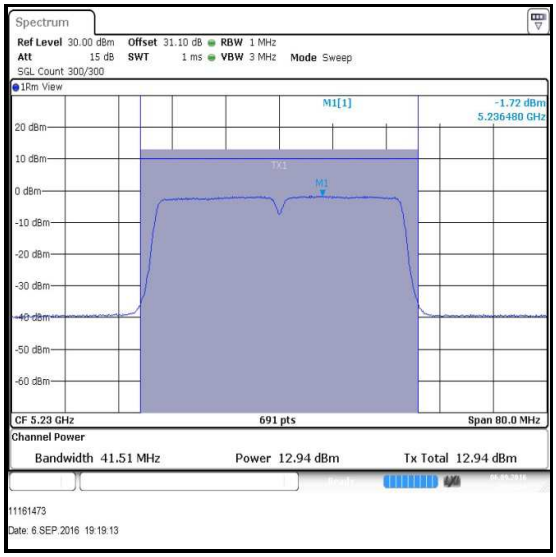
Channel	Frequency (MHz)	Corrected Conducted Power Port1 (dBm)	Corrected Conducted Power Port3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5190	11.0	11.2	14.1	21.4	7.3	Complied
Top	5230	13.0	12.9	16.0	21.4	5.4	Complied

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

Results: 802.11n / HT40 / MIMO / 2Tx CDD / MCS0 / Port 1

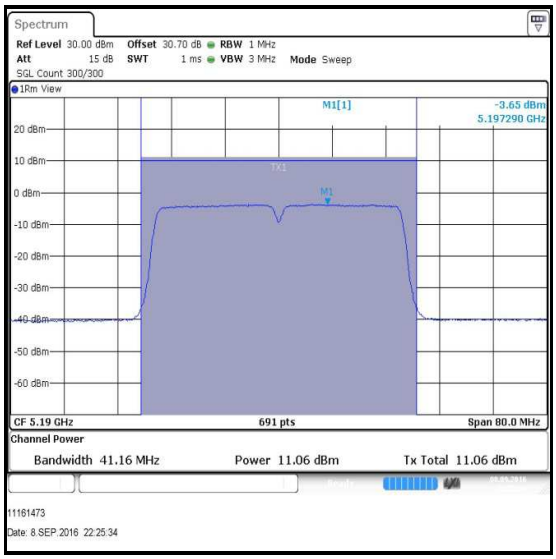


Bottom Channel

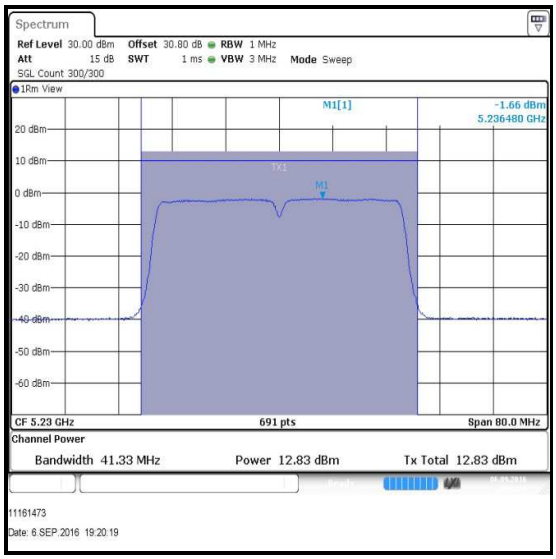


Top Channel

Results: 802.11n / HT40 / MIM / 2Tx CDD / MCS0 / Port 3



Bottom Channel



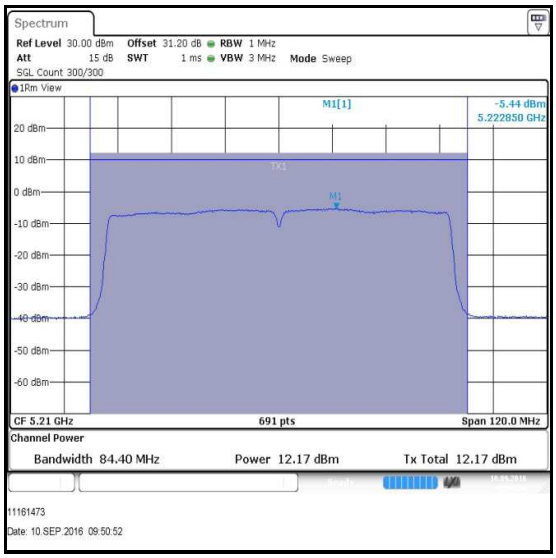
Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

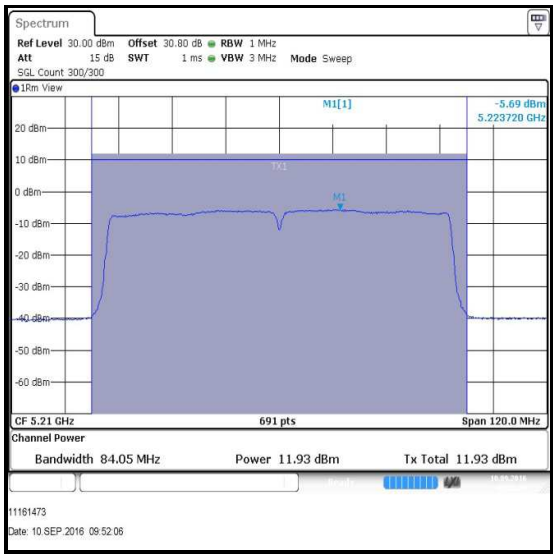
Results: 802.11ac / VHT80 / MIMO / 2Tx CDD / MCS0x1 / Ports 1, 3

Channel	Frequency (MHz)	Port 1			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	5210	12.2	0.1	12.3	11.9	0.1	12.0

Channel	Frequency (MHz)	Corrected Conducted Power Port1 (dBm)	Corrected Conducted Power Port3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5210	12.3	12.0	15.2	21.4	6.2	Complied



Single Channel / Port 1



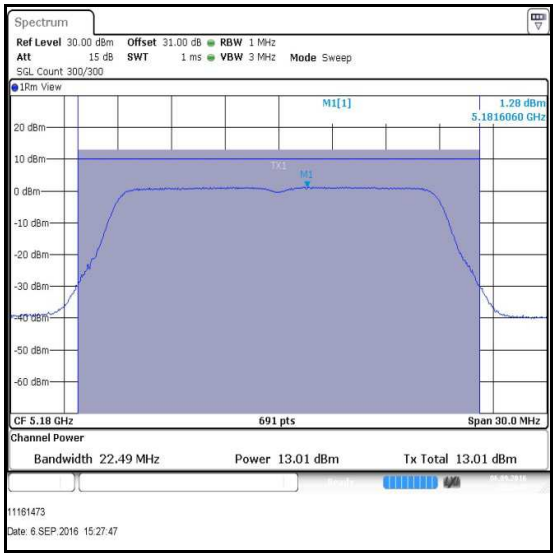
Single Channel / Port 3

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

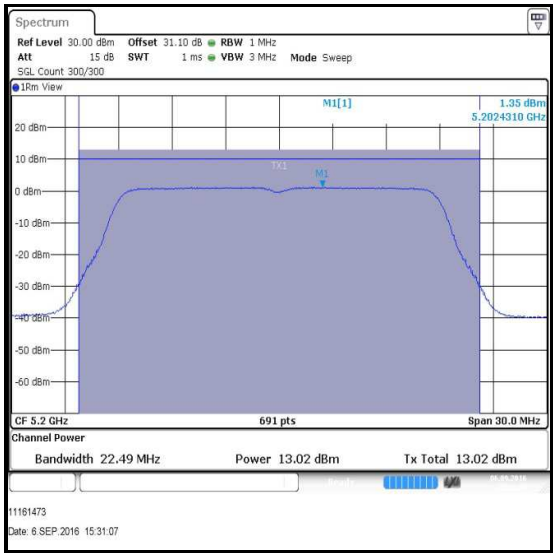
Results: 802.11n / HT20 / MIMO / 2Tx STBC / MCS0 / Ports 1, 3

Channel	Frequency (MHz)	Conducted Power Port 1 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5180	13.0	13.0	16.0	24.0	8.0	Complied
Middle	5200	13.0	12.9	16.0	24.0	8.0	Complied
Top	5240	12.9	12.7	15.8	24.0	8.2	Complied

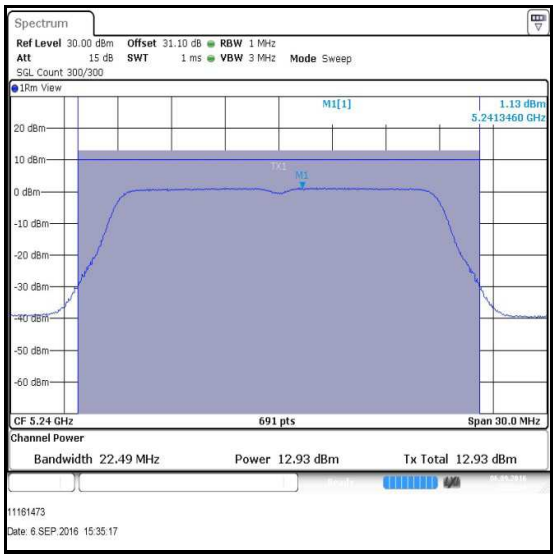
Results: 802.11n / HT20 / MIMO / 2Tx STBC / MCS0 / Port 1



Bottom Channel



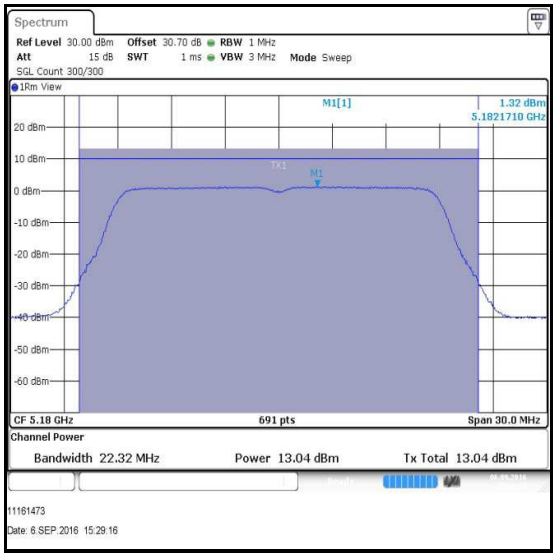
Middle Channel



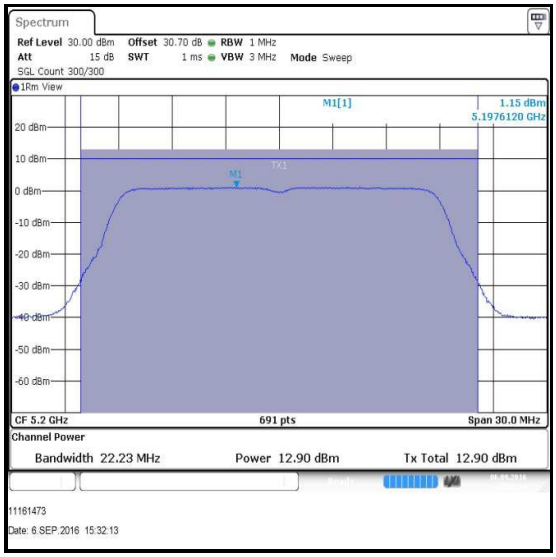
Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

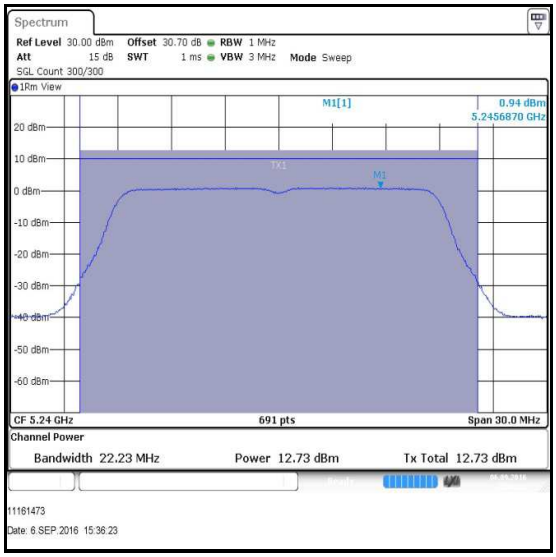
Results: 802.11n / HT20 / MIMO / 2Tx STBC / MCS0 / Port 3



Bottom Channel



Middle Channel



Top Channel

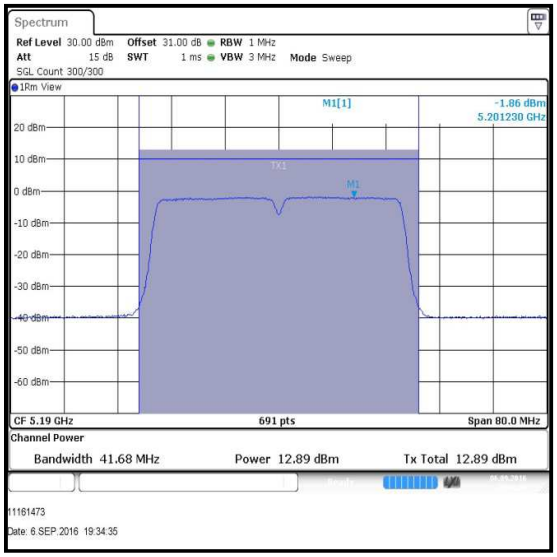
Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

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

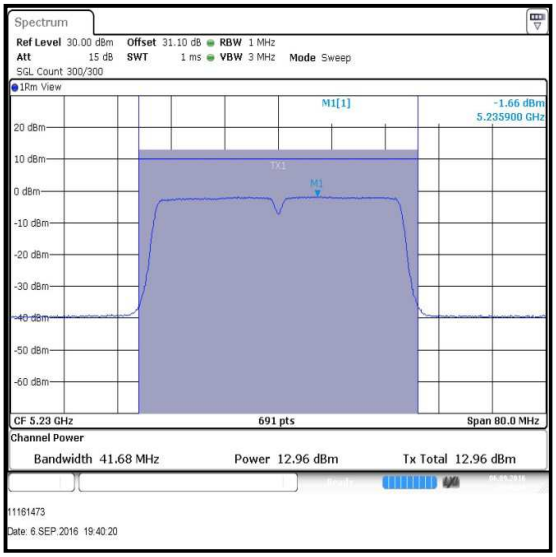
Channel	Frequency (MHz)	Port 1			Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5190	12.9	0.1	13.0	13.0	0.1	13.1
Top	5230	13.0	0.1	13.1	13.1	0.1	13.2

Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5190	13.0	13.1	16.1	24.0	7.9	Complied
Top	5230	13.1	13.2	16.2	24.0	7.8	Complied

Results: 802.11n / HT40 / MIMO / 2Tx STBC / MCS0 / Port 1



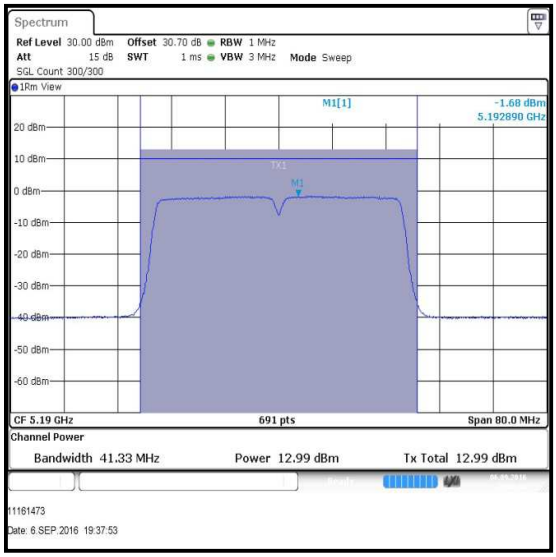
Bottom Channel



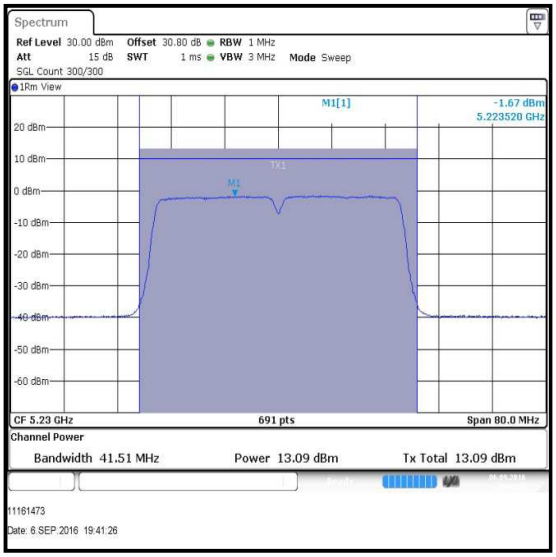
Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

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



Bottom Channel



Top Channel

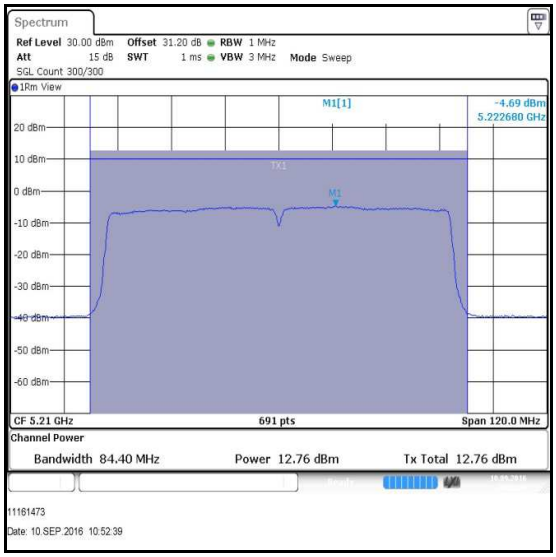
Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

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

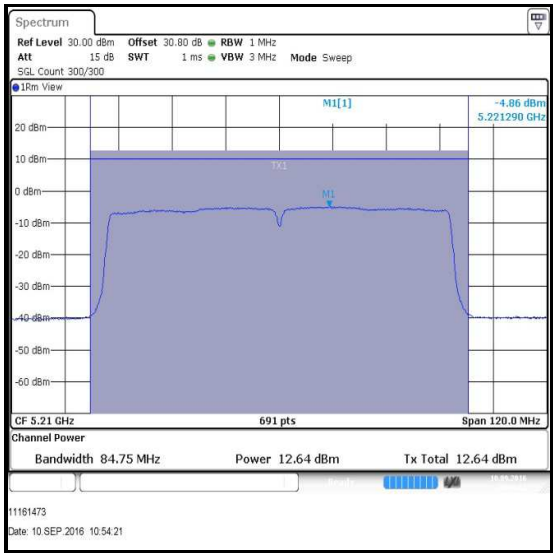
Channel	Frequency (MHz)	Port 1			Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5210	12.8	0.1	12.9	12.6	0.1	12.7

Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5210	12.9	12.7	15.8	24.0	8.2	Complied

Results: 802.11ac / VHT80 / MIMO / 2Tx STBC / MCS0x1



Single Channel / Port 1



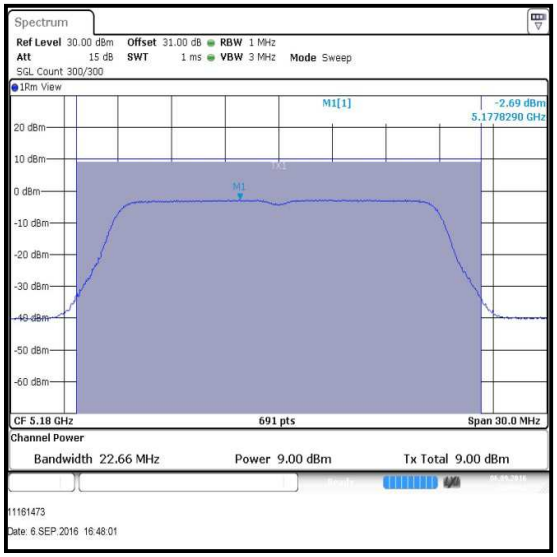
Single Channel / Port 3

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

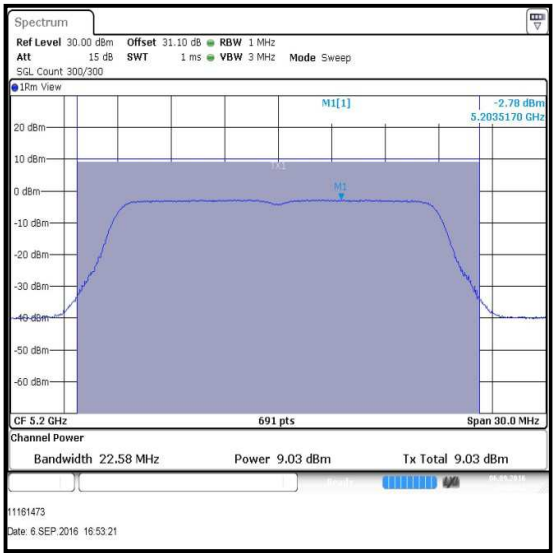
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / Ports 1, 2, 3

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
Bottom	5180	9.0	9.2	9.1	13.9	19.7	5.8	Complied
Middle	5200	9.0	9.4	9.0	13.9	19.7	5.8	Complied
Top	5240	9.0	9.5	9.1	14.0	19.7	5.7	Complied

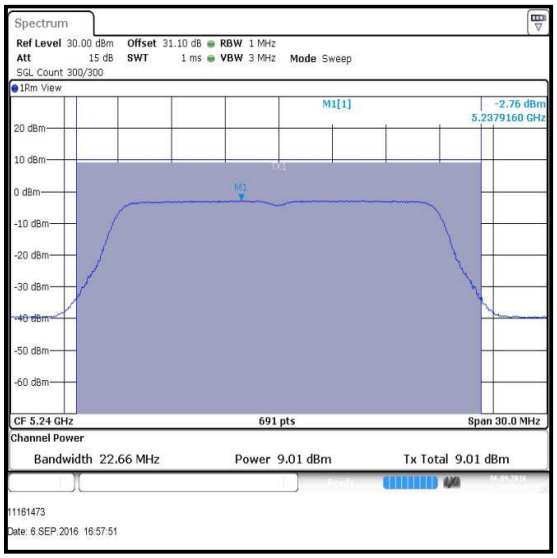
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / Port 1



Bottom Channel



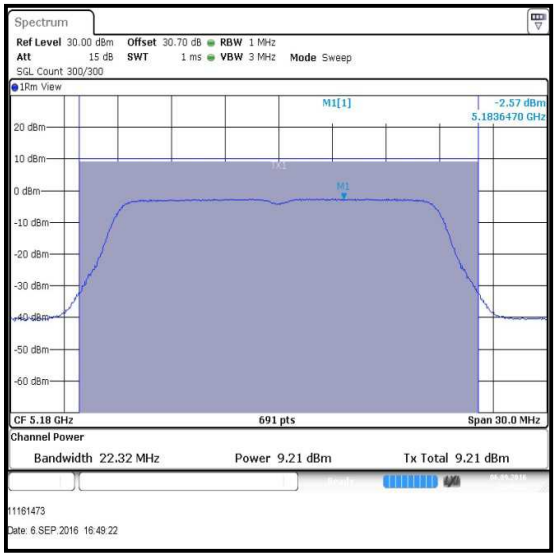
Middle Channel



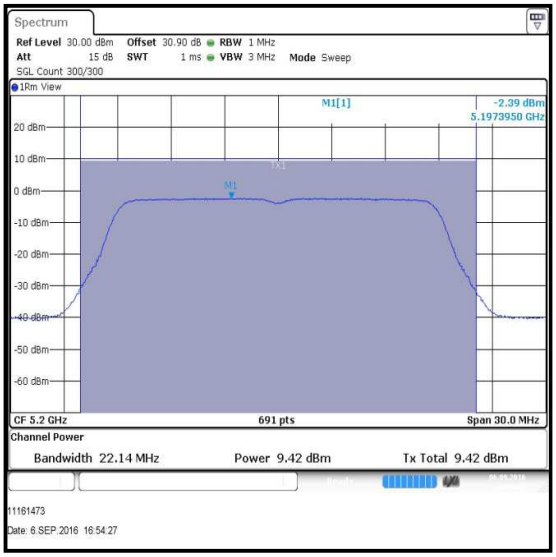
Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

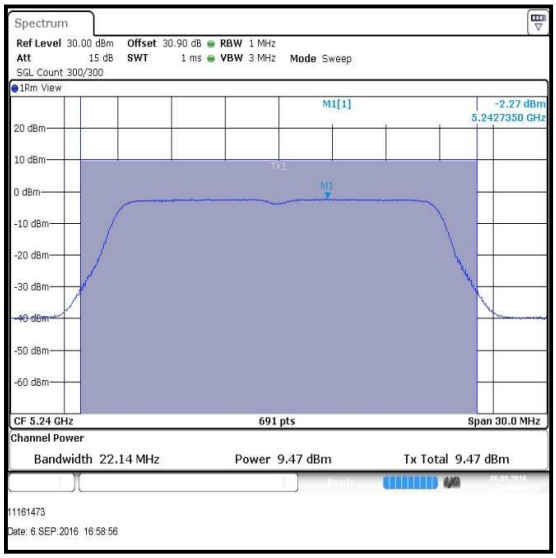
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / Port 2



Bottom Channel



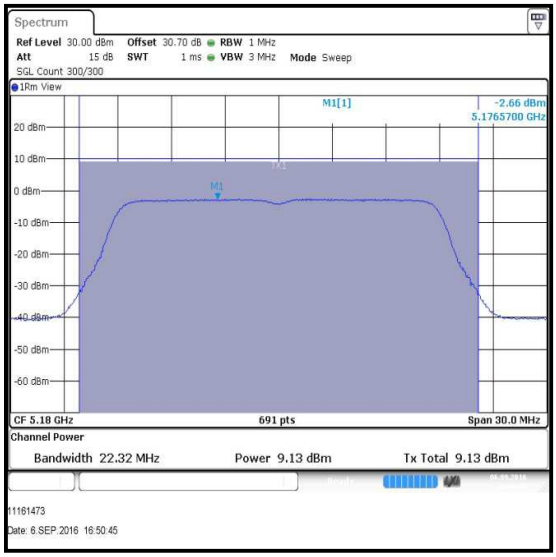
Middle Channel



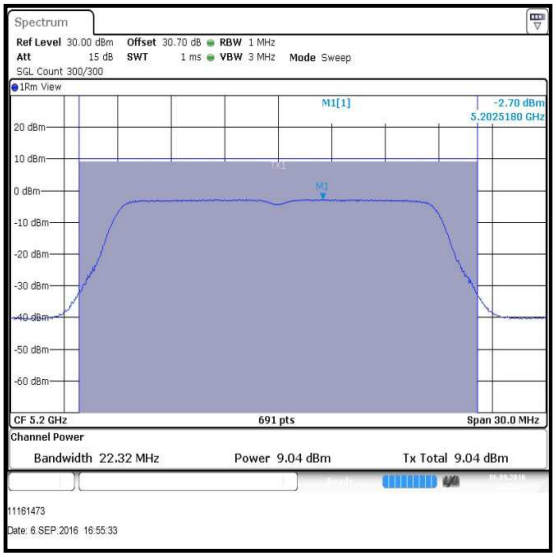
Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

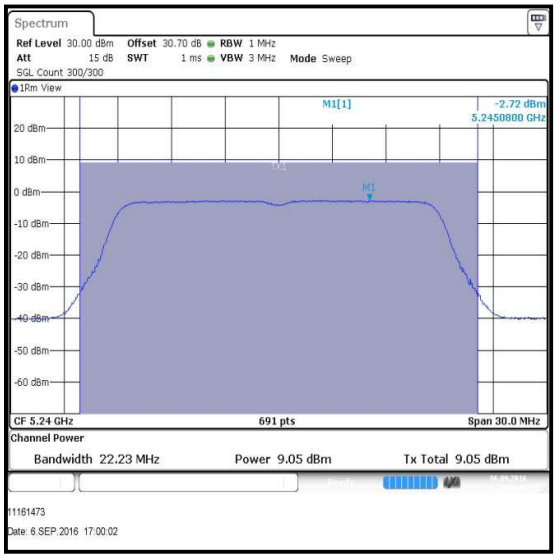
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / Port 3



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (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)
Bottom	5190	10.6	0.1	10.7
Top	5230	10.8	0.1	10.9

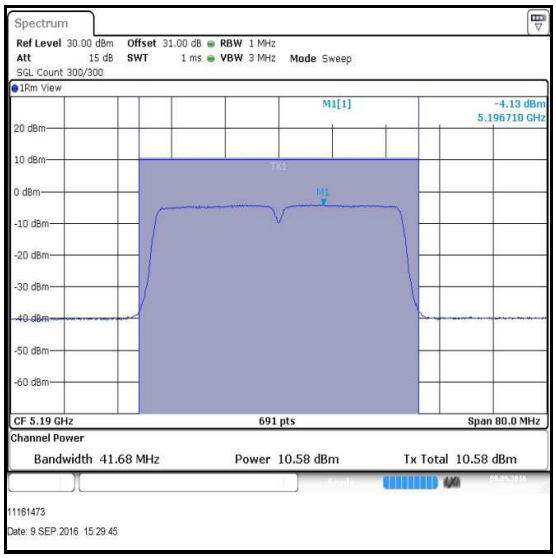
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5190	11.3	0.1	11.4
Top	5230	11.6	0.1	11.7

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5190	11.1	0.1	11.2
Top	5230	11.5	0.1	11.6

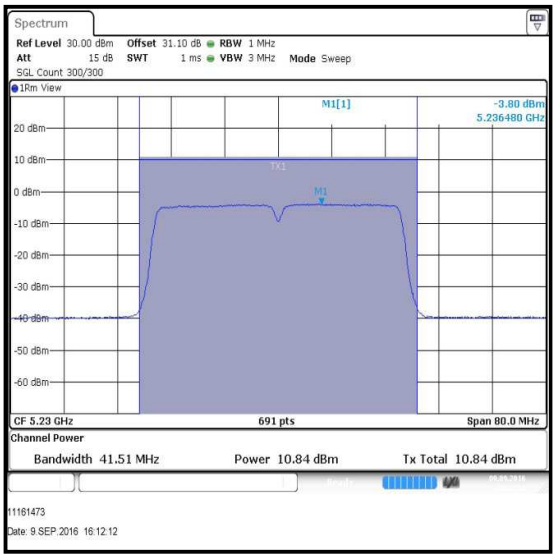
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5190	10.7	11.4	11.2	15.9	19.7	3.8	Complied
Top	5230	10.9	11.7	11.6	16.2	19.7	3.5	Complied

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

Results: 802.11n / HT40 / MIMO / 3Tx CDD / MCS0 / Port 1

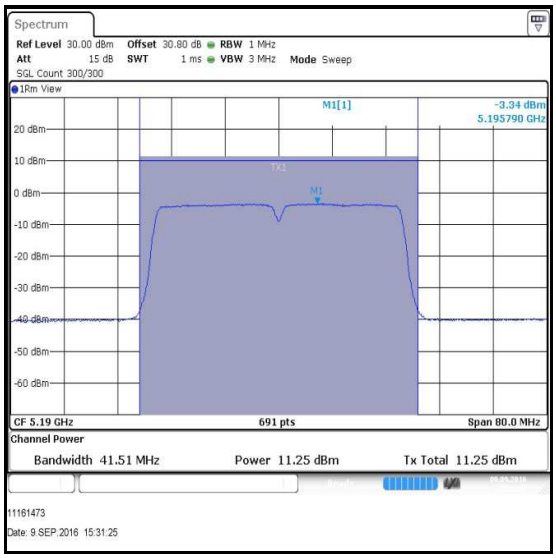


Bottom Channel

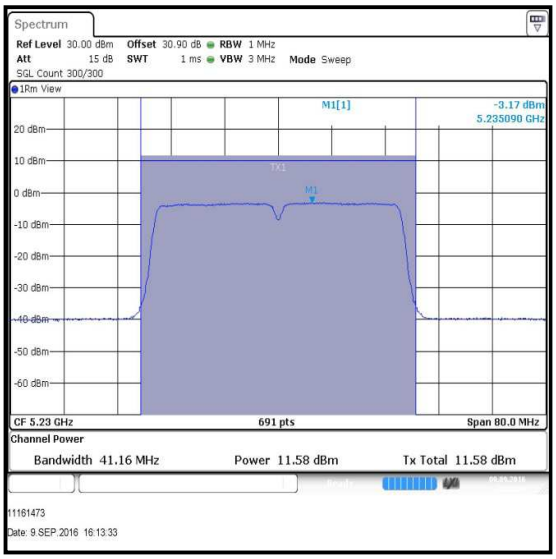


Top Channel

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



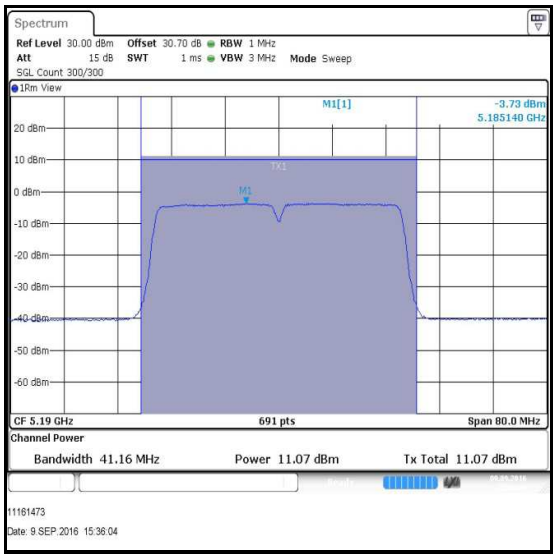
Bottom Channel



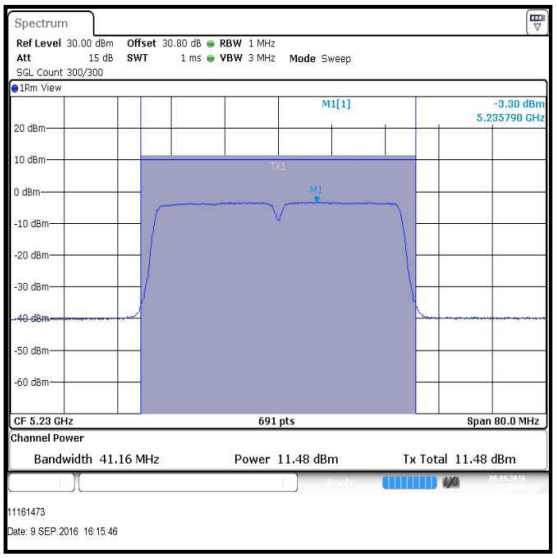
Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

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



Bottom Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (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	5210	11.7	0.1	11.8

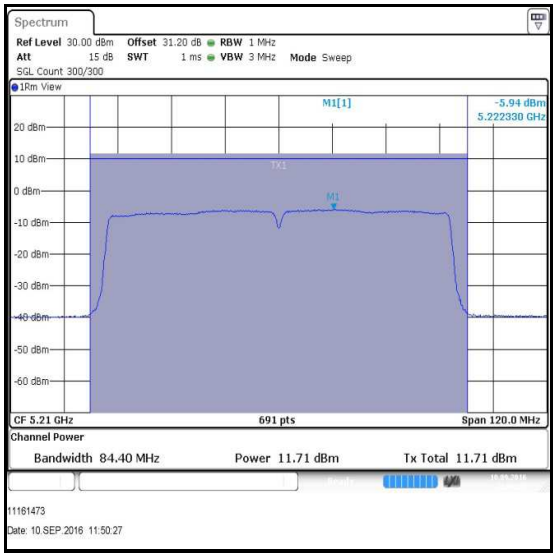
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5210	12.2	0.1	12.3

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5210	11.8	0.1	11.9

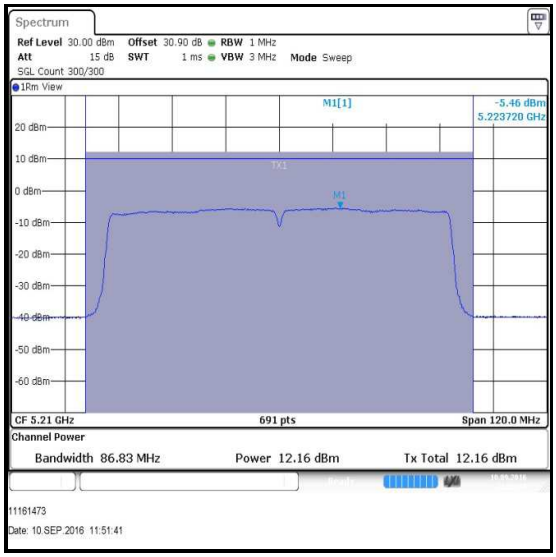
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5210	11.8	12.3	11.9	16.8	19.7	2.9	Complied

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

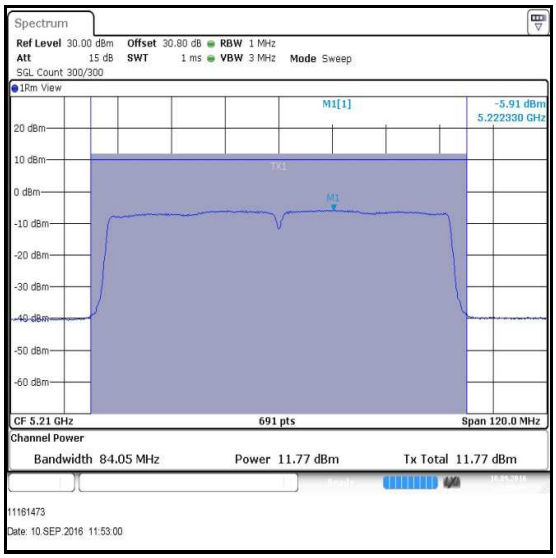
Results: 802.11ac / VHT80 / MIMO / 3Tx CDD / MCS0x1



Single Channel / Port 1



Single Channel / Port 2



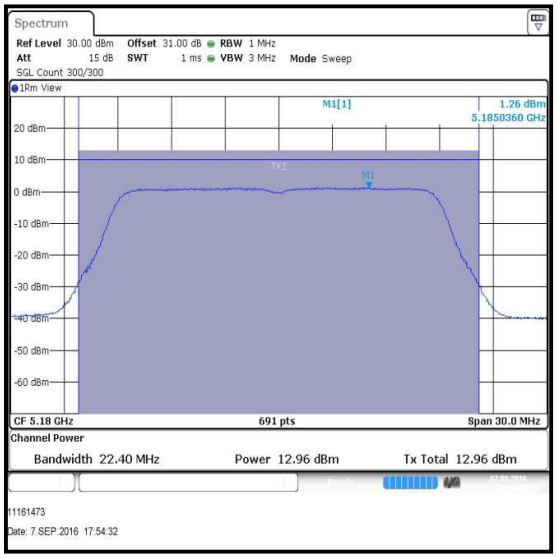
Single Channel / Port 3

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

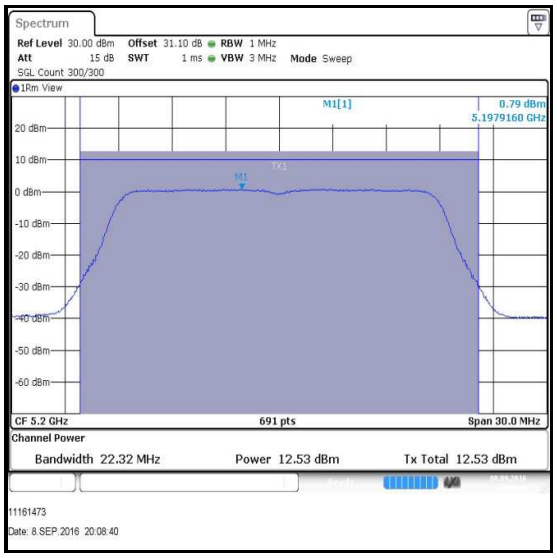
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / Ports 1, 2, 3

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
Bottom	5180	13.0	13.0	13.0	17.8	24.0	6.2	Complied
Middle	5200	12.5	13.1	12.6	17.5	24.0	6.5	Complied
Top	5240	12.5	13.0	12.5	17.4	24.0	6.6	Complied

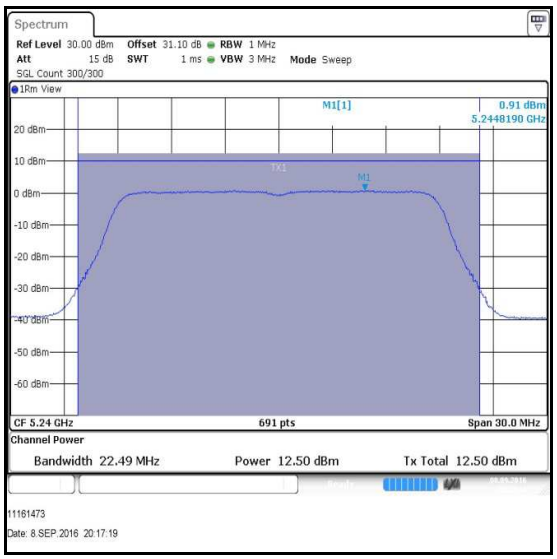
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / Port 1



Bottom Channel



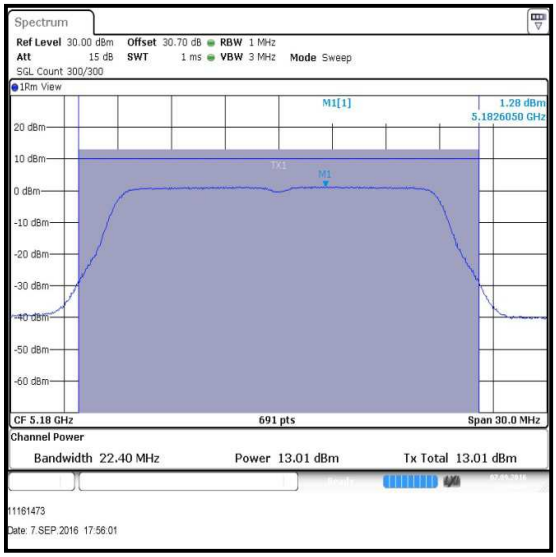
Middle Channel



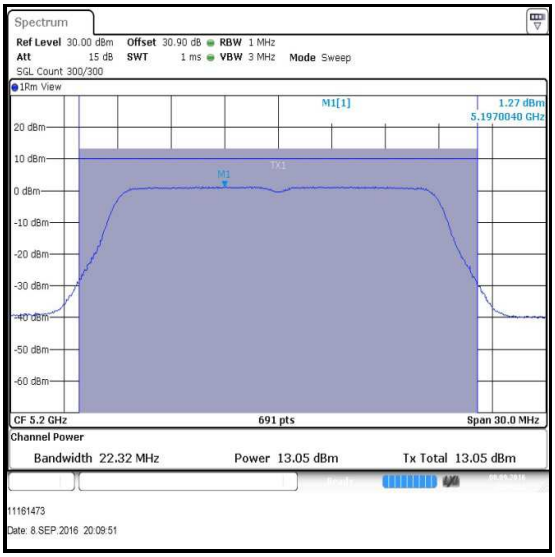
Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

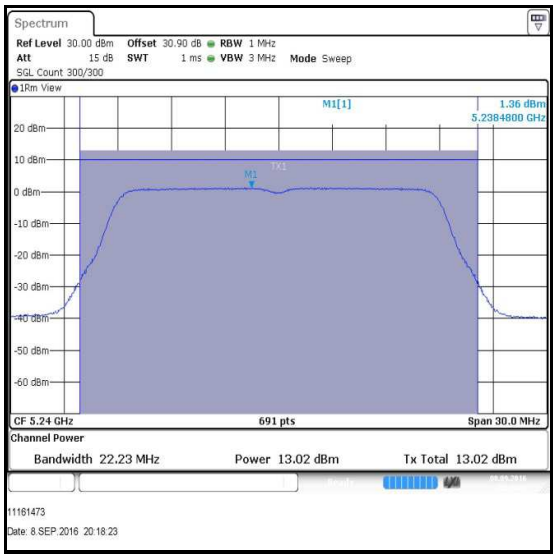
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / Port 2



Bottom Channel



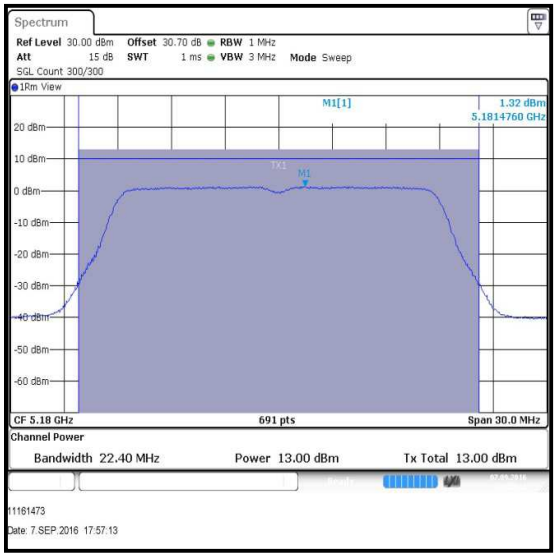
Middle Channel



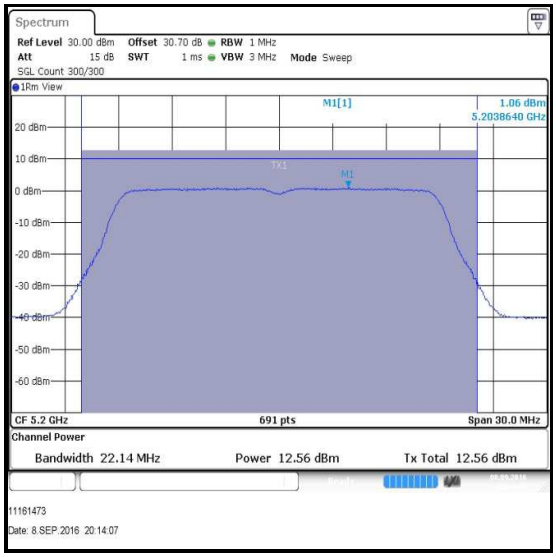
Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

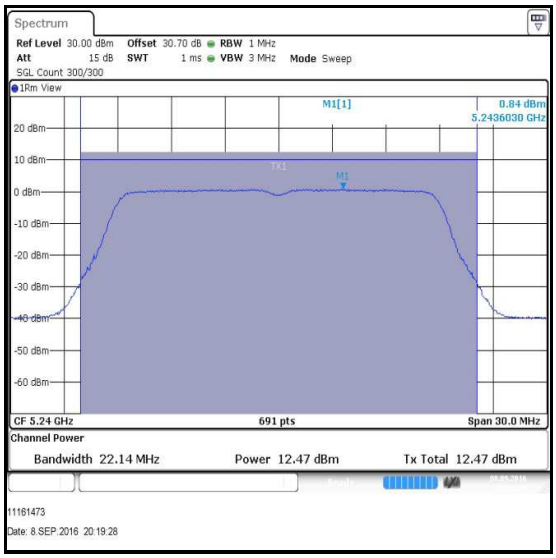
Results: 802.11n / HT20 / MIMO / 3Tx STBC / MCS0 / Port 3



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

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

Channel	Frequency (MHz)	Port 1		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5190	11.5	0.1	11.6
Top	5230	12.4	0.1	12.5

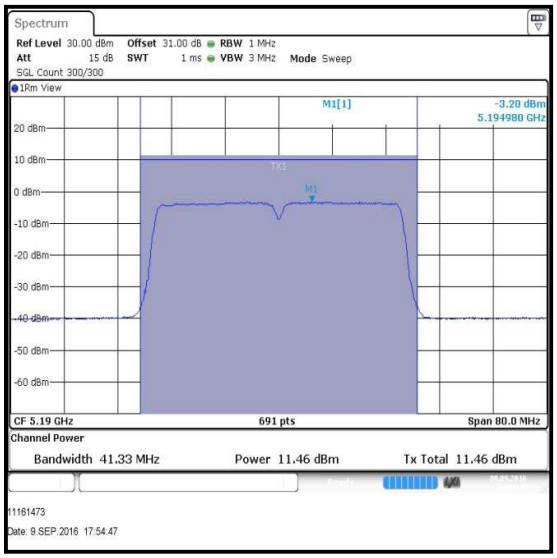
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5190	12.3	0.1	12.4
Top	5230	13.0	0.1	13.1

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5190	11.9	0.1	12.0
Top	5230	12.8	0.1	12.9

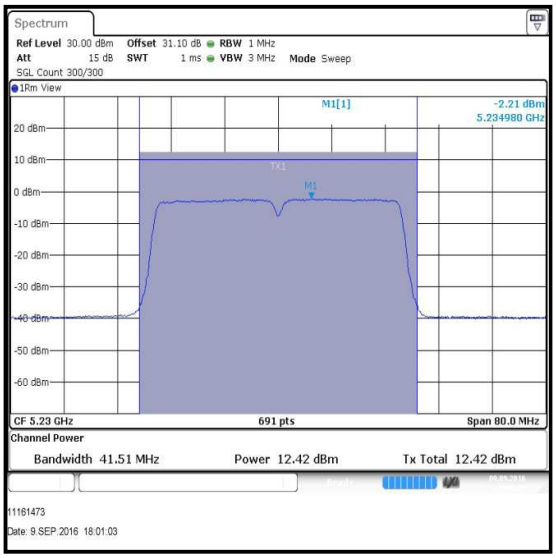
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5190	11.6	12.4	12.0	16.8	24.0	7.2	Complied
Top	5230	12.5	13.1	12.9	17.6	24.0	6.4	Complied

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

Results: 802.11n / HT40 / MIMO / 3Tx STBC / MCS0 / Port 1

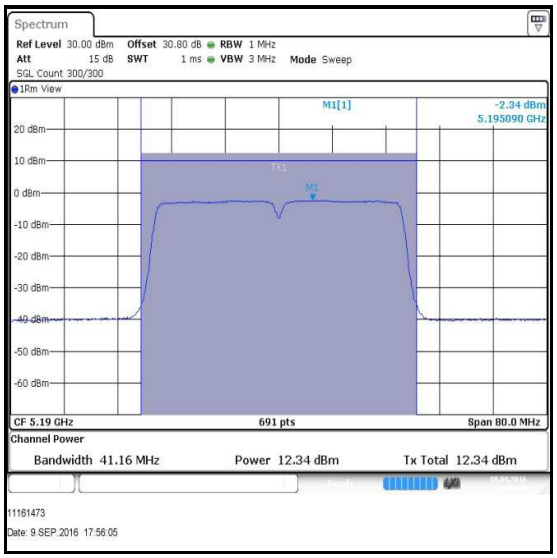


Bottom Channel

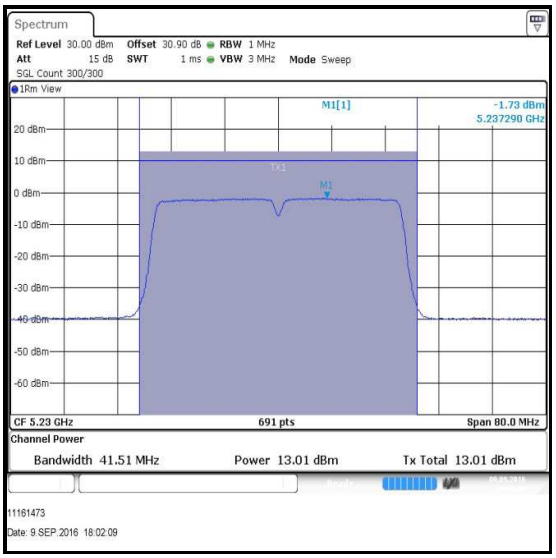


Top Channel

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



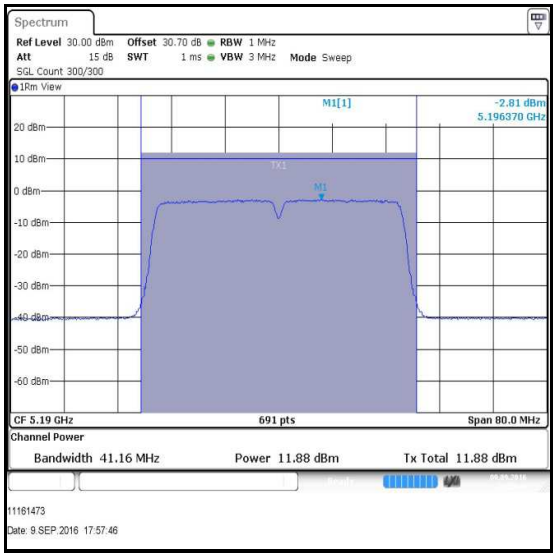
Bottom Channel



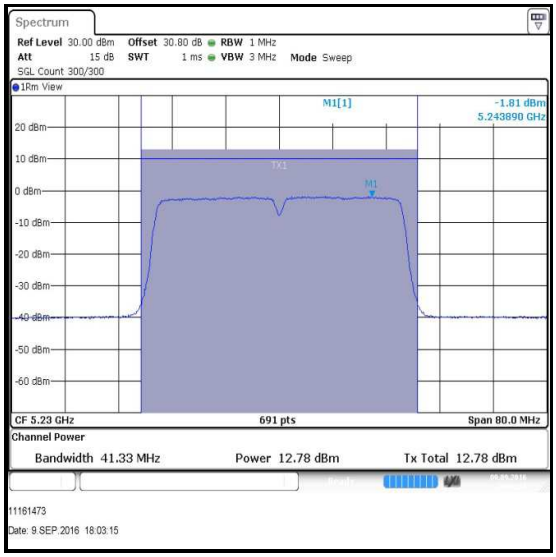
Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

Results: 802.11n / HT40 / MIMO / 3Tx STBC / MCS0 / Port 3



Bottom Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

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

Channel	Frequency (MHz)	Port 1		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5210	11.6	0.1	11.7

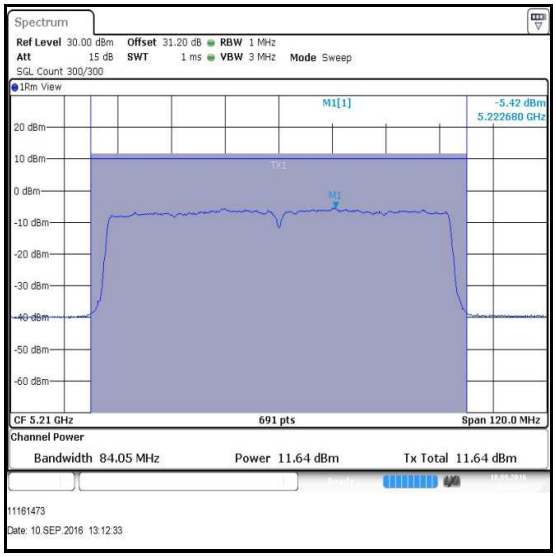
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5210	12.0	0.1	12.1

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5210	11.9	0.1	12.0

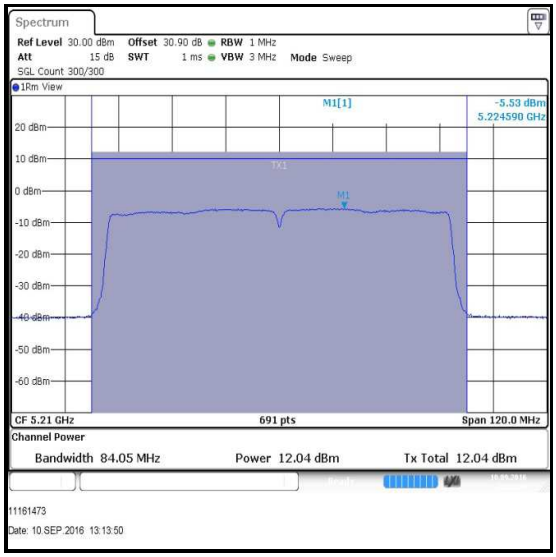
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5210	11.7	12.1	12.0	16.7	24.0	7.3	Complied

Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band) (continued)

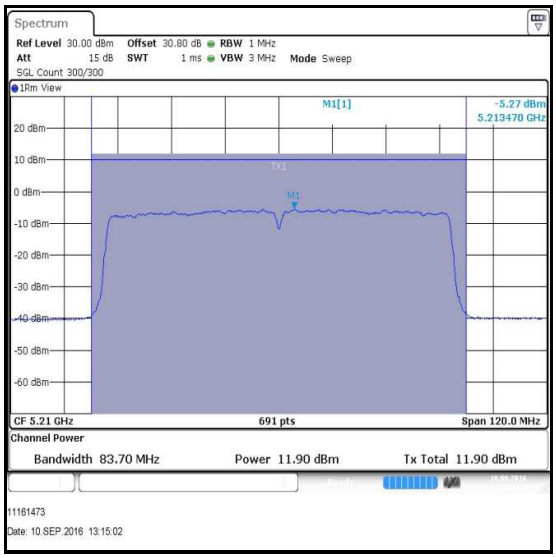
Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / MCS0x1 / Ports 1, 2, 3



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)

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 Section II.E.2.b) and II.E.2.d)

Environmental Conditions:

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

Note(s):

1. 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. For both U-NII-2A and U-NII-2C bands, the 26 dB EBW is greater than 20 MHz.

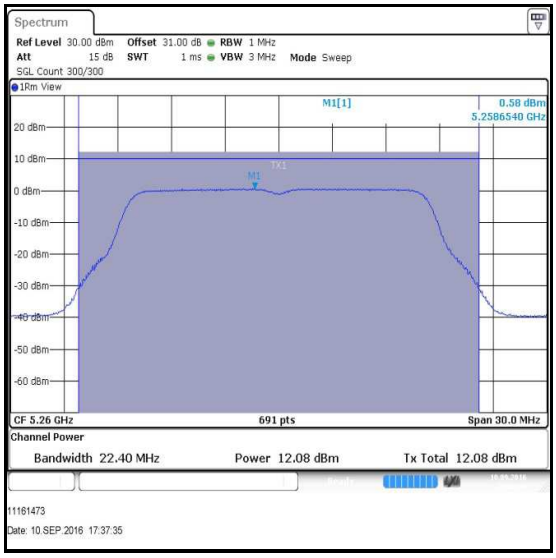
$$\begin{gathered}\text{For B} > 20\ \text{MHz} \rightarrow \\ \rightarrow \log_{10}\text{B} > \log_{10} 20 \rightarrow \\ \rightarrow 10\log_{10}\text{B} > 10\log_{10} 20 \rightarrow \\ \rightarrow 11 + 10\log_{10}\text{B} > 11 + 10\log_{10} 20 \rightarrow \\ \rightarrow 11 + 10\log_{10}\text{B} > 24.0\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

   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.
2. For SISO modes of operation on U-NII-2A band, the EUT has an antenna gain of 6.5 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 the limit of 24.0 dBm has been reduced by 0.5 dB to 23.5 dBm.
3. For 2Tx CDD modes of operation on U-NII-2A band, the EUT has a directional antenna gain of 9.4 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 the limit of 24.0 dBm has been reduced by 3.4 dB to 20.6 dBm.
4. For 2Tx STBC modes of operation on U-NII-2A band, the EUT has a directional antenna gain of 6.4 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 the limit of 24.0 dBm has been reduced by 0.4 dB to 23.6 dBm.
5. For 3Tx CDD modes of operation on U-NII-2A band, the EUT has a directional antenna gain of 11.0 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 the limit of 24.0 dBm has been reduced by 5.0 dB to 19.0 dBm.
6. For 3Tx STBC modes of operation on U-NII-2A band, the EUT has a directional antenna gain of 6.3 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 the limit of 24.0 dBm has been reduced by 0.3 dB to 23.7 dBm.
7. For SISO and STBC modes of operation on U-NII-2C band, the EUT has an antenna gain < 6 dBi.
8. For 2Tx CDD modes of operation on U-NII-2C band, 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 the limit of 24.0 dBm has been reduced by 2.2 dB to 21.8 dBm.
9. For 3Tx CDD modes of operation on U-NII-2C band, 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 the limit of 24.0 dBm has been reduced by 3.9 dB to 20.1 dBm.

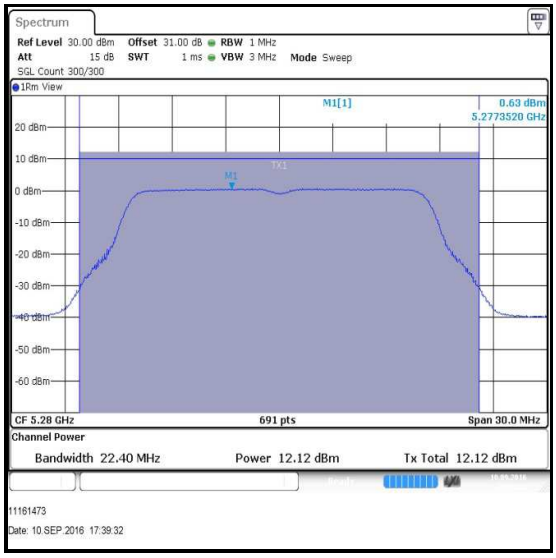
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11a SISO / 6 Mbps / 5.25-5.35 GHz band / Port 3

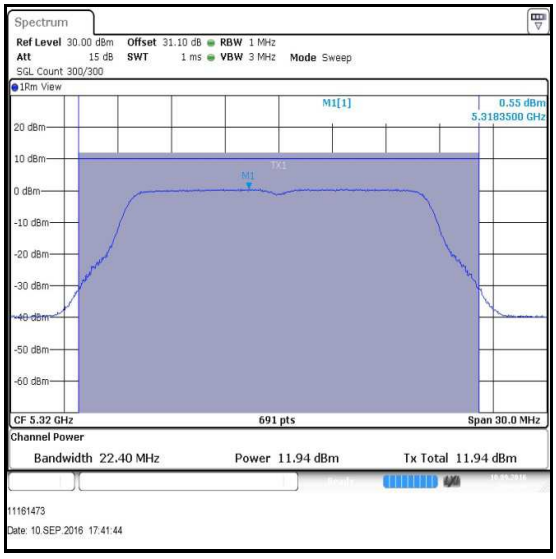
Channel	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	12.1	23.5	11.4	Complied
Middle	5280	12.1	23.5	11.4	Complied
Top	5320	11.9	23.5	11.6	Complied



Bottom Channel



Middle Channel

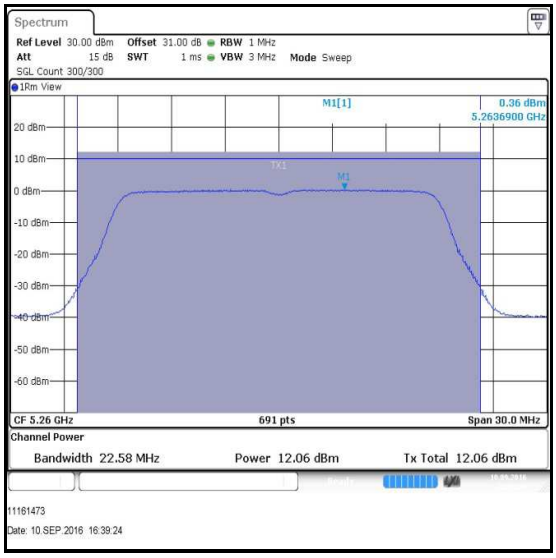


Top Channel

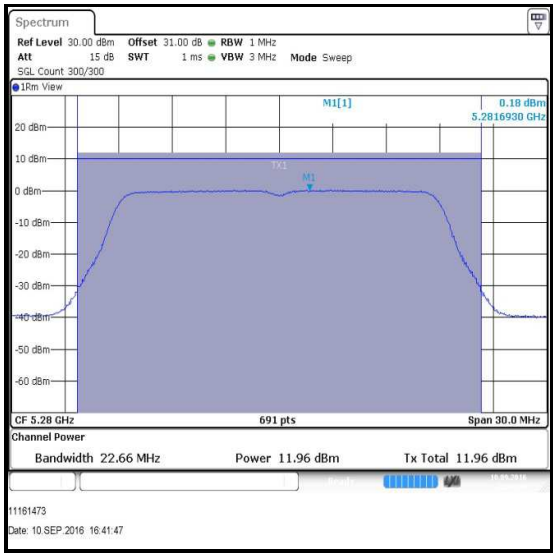
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11n / HT20 / SISO / MCS0 / Port 3 / 5.25-5.35 GHz band

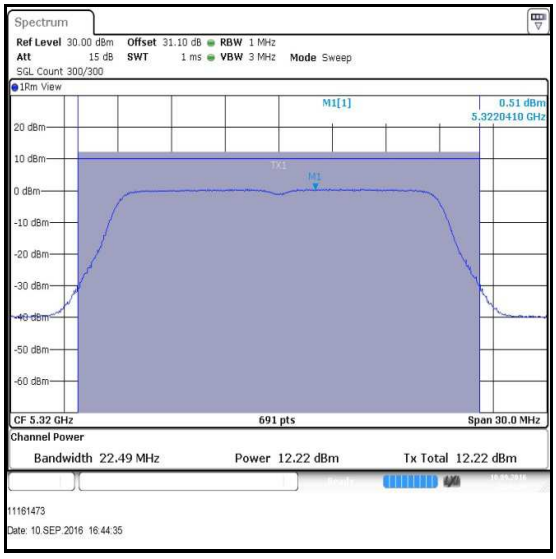
Channel	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	12.1	23.5	11.4	Complied
Middle	5280	12.0	23.5	11.5	Complied
Top	5320	12.2	23.5	11.3	Complied



Bottom Channel



Middle Channel

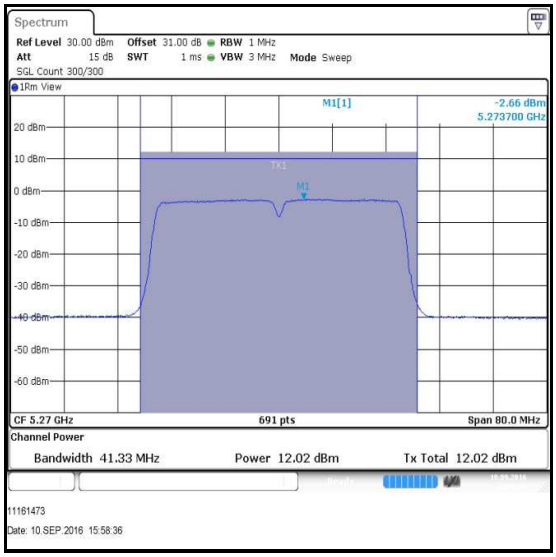


Top Channel

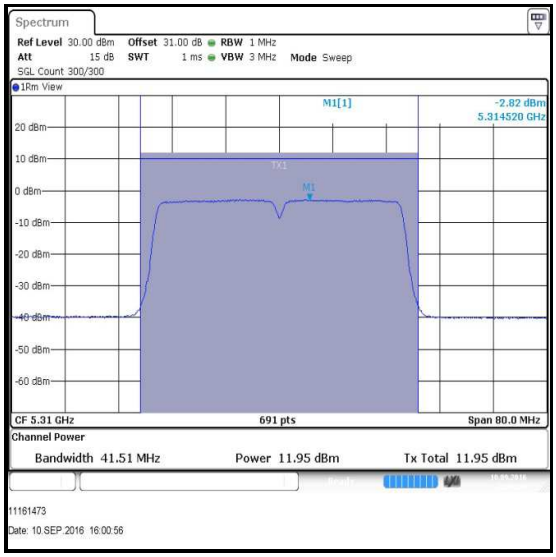
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

Results: 802.11n / HT40 / SISO / MCS0 / 5.25-5.35 band / Port 3

Channel	Frequency (MHz)	Conducted Power (dBm)	Duty Cycle Correction Factor (dB)	Corrected Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	12.0	0.1	12.1	23.5	11.4	Complied
Top	5310	12.0	0.1	12.1	23.5	11.4	Complied



Bottom Channel

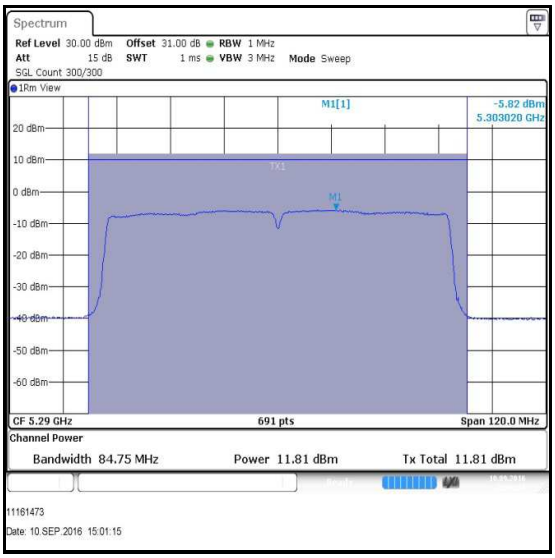


Top Channel

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

Results: 802.11ac / VHT80 / SISO / MCS0 / Port 3 / 5.25-5.35 GHz band

Channel	Frequency (MHz)	Conducted Power (dBm)	Duty Cycle Correction Factor (dB)	Corrected Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5290	11.8	0.1	11.9	23.5	11.6	Complied



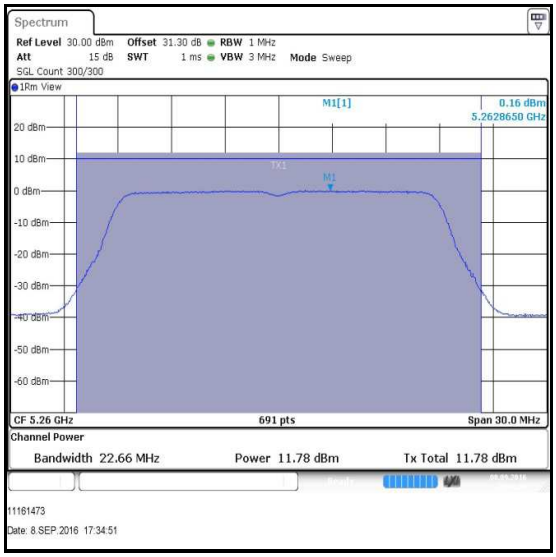
Single Channel

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

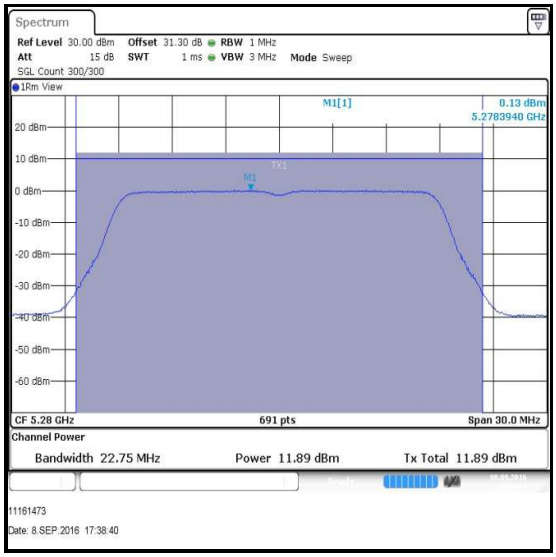
Results: 802.11n / HT20 / MIMO / 2Tx CDD / MCS0 / 5.25-5.35 GHz band / Ports 1, 3

Channel	Frequency (MHz)	Conducted Power Port 1 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	11.8	12.2	15.0	20.6	5.6	Complied
Middle	5280	11.9	12.2	15.1	20.6	5.5	Complied
Top	5320	12.1	12.2	15.2	20.6	5.4	Complied

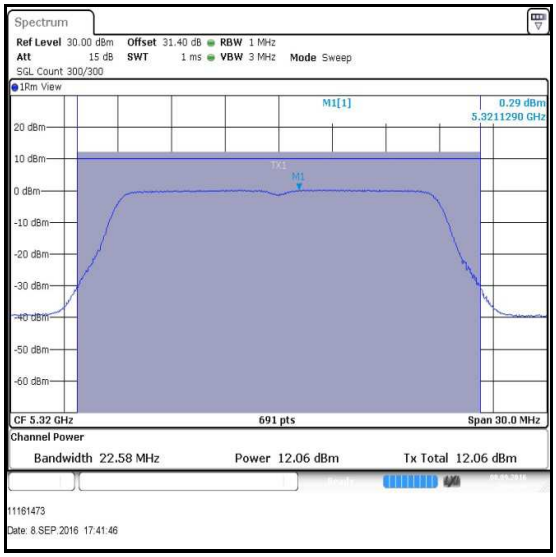
Results: 802.11n / HT20 / MIMO / 2Tx CDD / MCS0 / 5.25-5.35 GHz band / Port 1



Bottom Channel



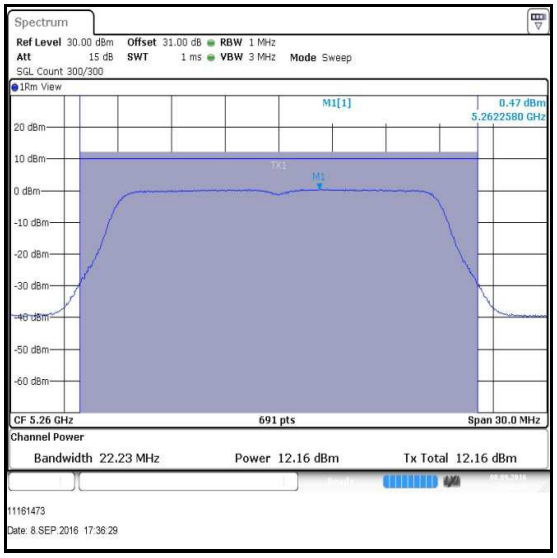
Middle Channel



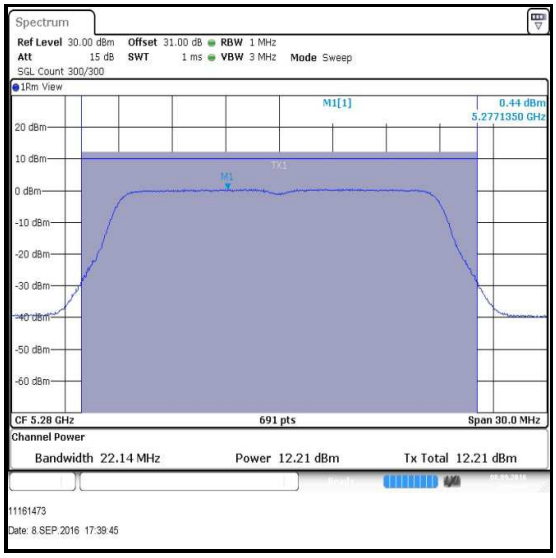
Top Channel

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

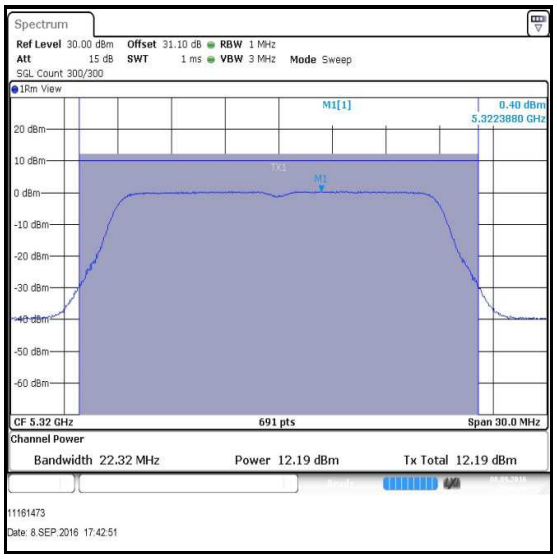
Results: 802.11n / HT20 / MIMO / 2Tx CDD / MCS0 / 5.25-5.35 GHz band / Port 3



Bottom Channel



Middle Channel



Top Channel

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

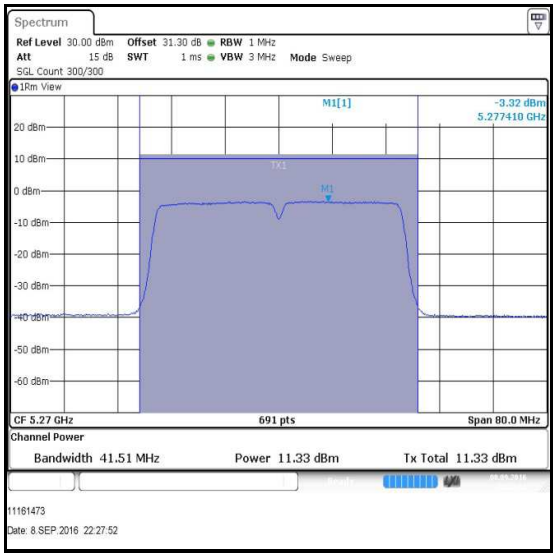
Results: 802.11n / HT40 / MIMO / 2Tx CDD / MCS0 / 5.25-5.35 GHz band / Ports 1, 3

Channel	Frequency (MHz)	Port 1			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	5270	11.3	0.1	11.4	12.0	0.1	12.1
Top	5310	11.8	0.1	11.9	11.9	0.1	12.0

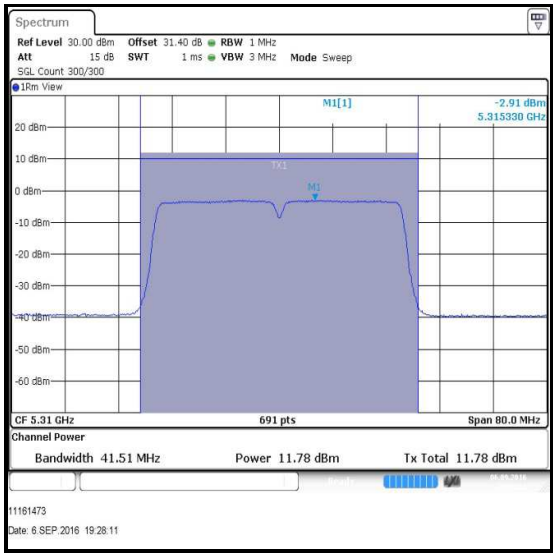
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	11.4	12.1	14.8	20.6	5.8	Complied
Top	5310	11.9	12.0	15.0	20.6	5.6	Complied

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

Results: 802.11n / HT40 / MIMO / 2Tx CDD / MCS0 / 5.25-5.35 GHz band / Port 1

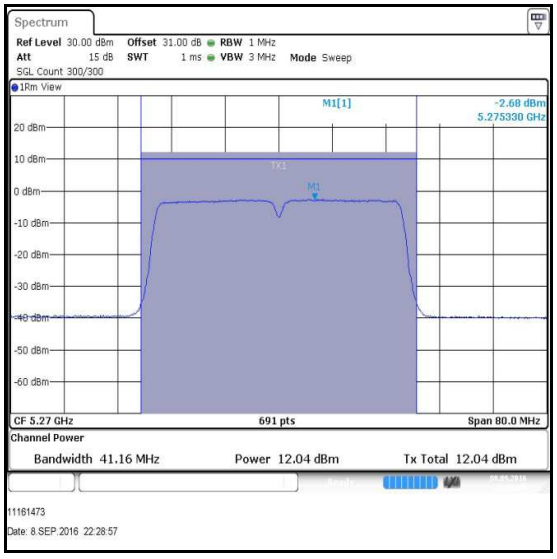


Bottom Channel

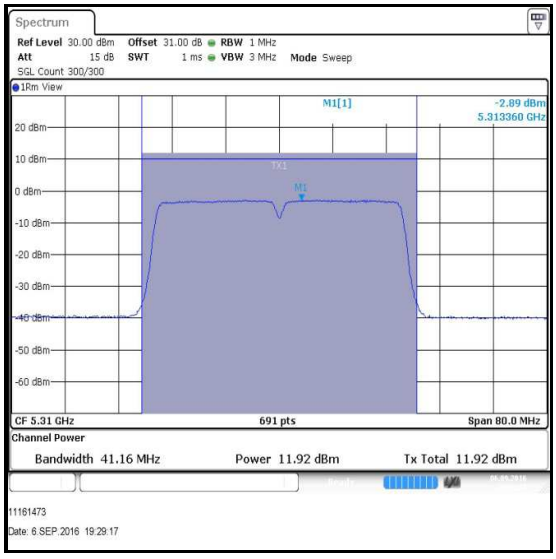


Top Channel

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



Bottom Channel



Top Channel

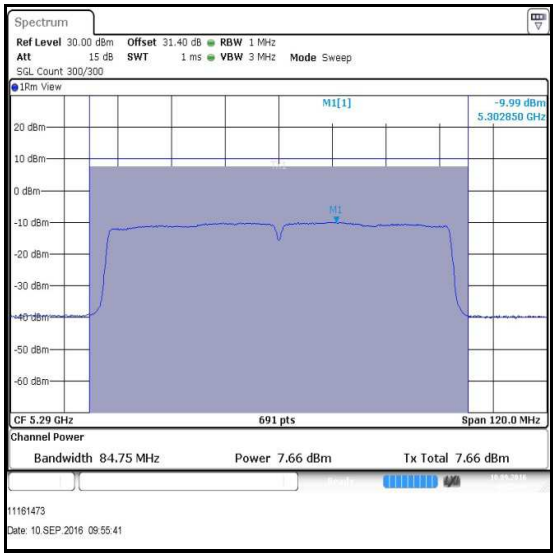
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

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

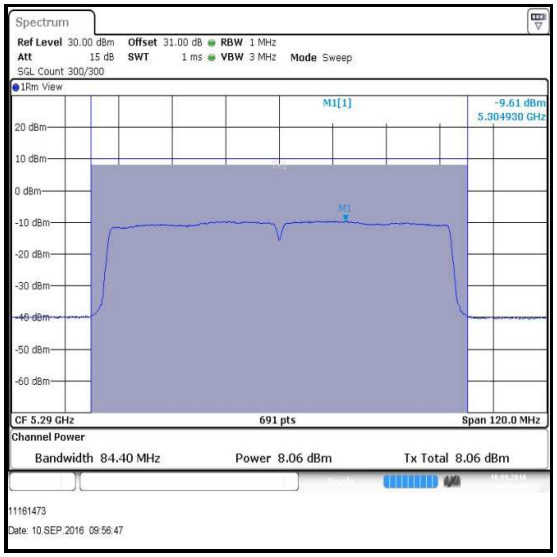
Channel	Frequency (MHz)	Port 1			Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5290	7.7	0.1	7.8	8.1	0.1	8.2

Channel	Frequency (MHz)	Corrected Conducted Power Port1 (dBm)	Corrected Conducted Power Port3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5290	7.8	8.2	11.0	20.6	9.6	Complied

Results: 802.11ac / VHT80 / MIMO / 2Tx CDD / MCS0x1



Single Channel / Port 1



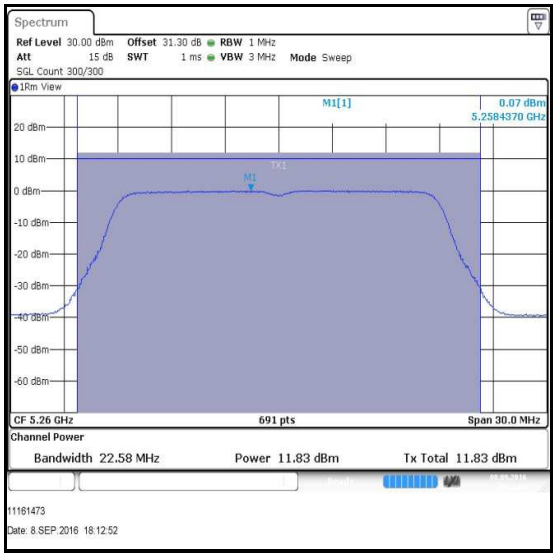
Single Channel / Port 3

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

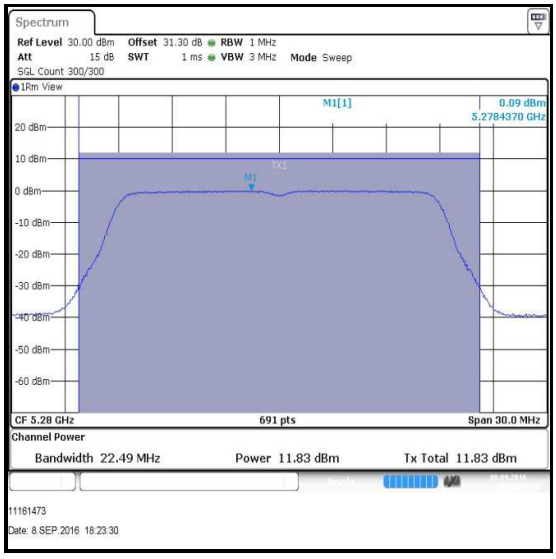
Results: 802.11n / HT20 / MIMO / 2Tx STBC / MCS0 / 5.25-5.35 GHz band / Ports 1, 3

Channel	Frequency (MHz)	Conducted Power Port 1 (dBm)	Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	11.8	12.1	15.0	23.6	8.6	Complied
Middle	5280	11.8	12.2	15.0	23.6	8.6	Complied
Top	5320	11.8	12.2	15.0	23.6	8.6	Complied

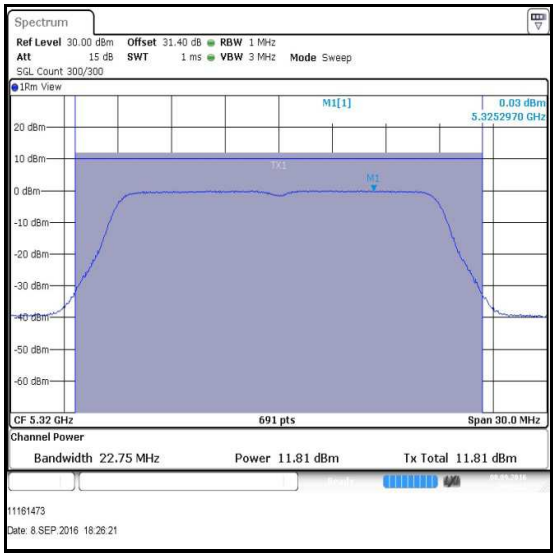
Results: 802.11n / HT20 / MIMO / 2Tx STBC / MCS0 / 5.25-5.35 GHz band / Port 1



Bottom Channel



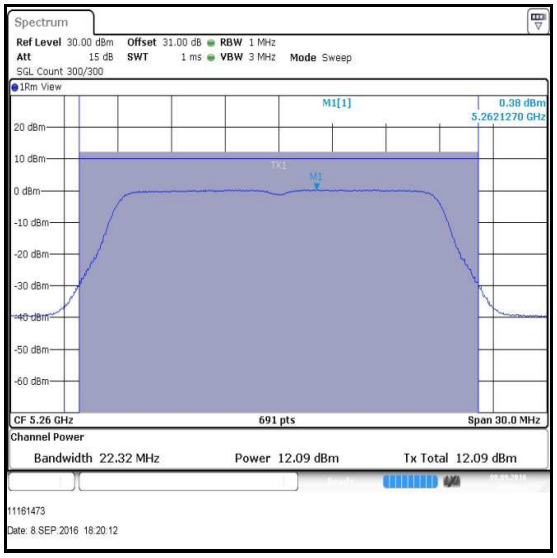
Middle Channel



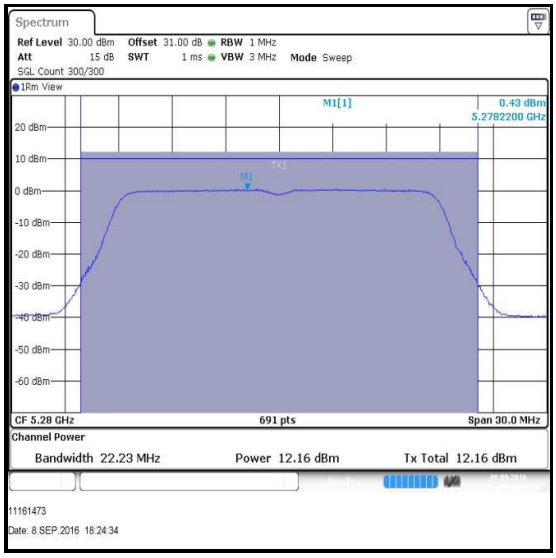
Top Channel

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

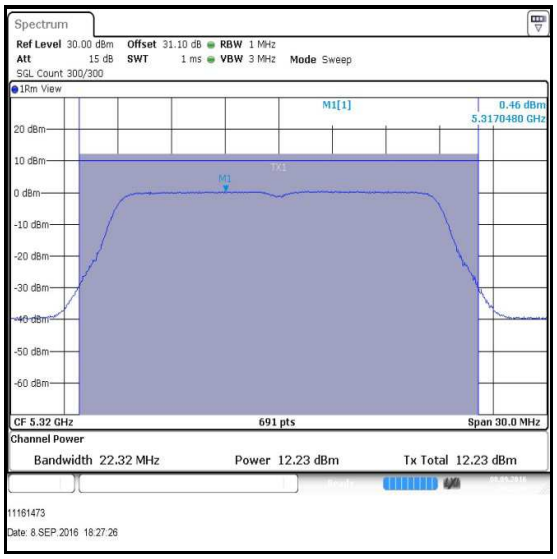
Results: 802.11n / HT20 / MIMO / 2Tx STBC / MCS0 / 5.25-5.35 GHz band / Port 3



Bottom Channel



Middle Channel



Top Channel

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

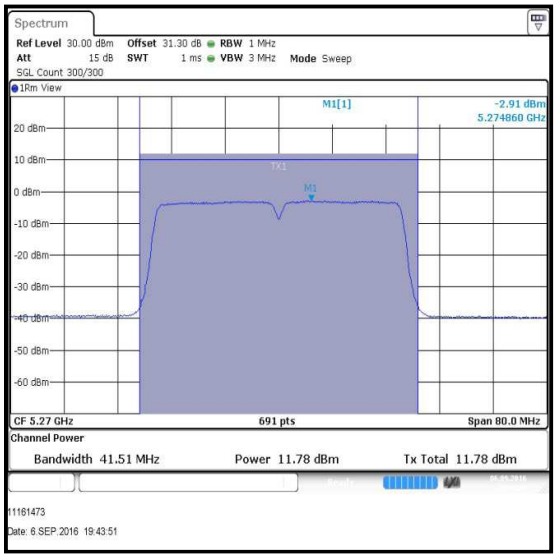
Results: 802.11n / HT40 / MIMO / 2Tx STBC / MCS0 / 5.25-5.35 GHz band / Ports 1, 3

Channel	Frequency (MHz)	Port 1			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	5270	11.8	0.1	11.9	12.0	0.1	12.1
Top	5310	11.9	0.1	12.0	12.1	0.1	12.2

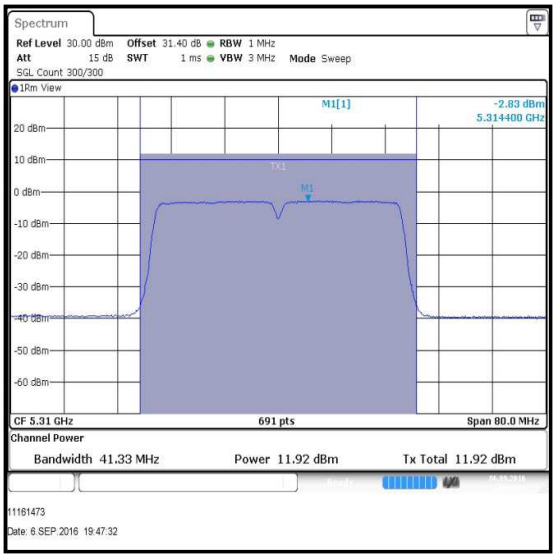
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	11.9	12.1	15.0	23.6	8.6	Complied
Top	5310	12.0	12.2	15.1	23.6	8.5	Complied

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 / 5.25-5.35 GHz band / Port 1

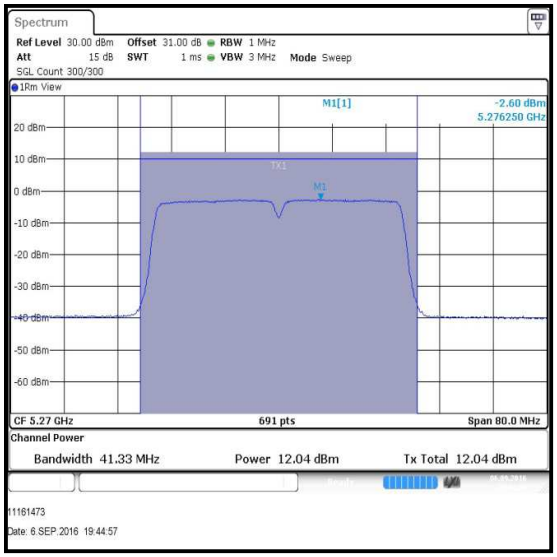


Bottom Channel

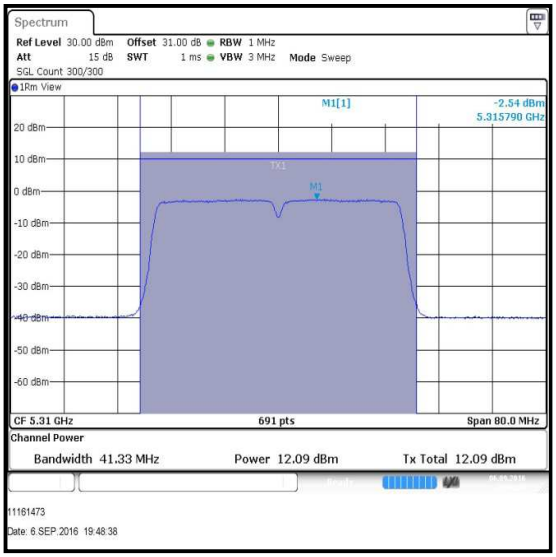


Top Channel

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



Bottom Channel



Top Channel

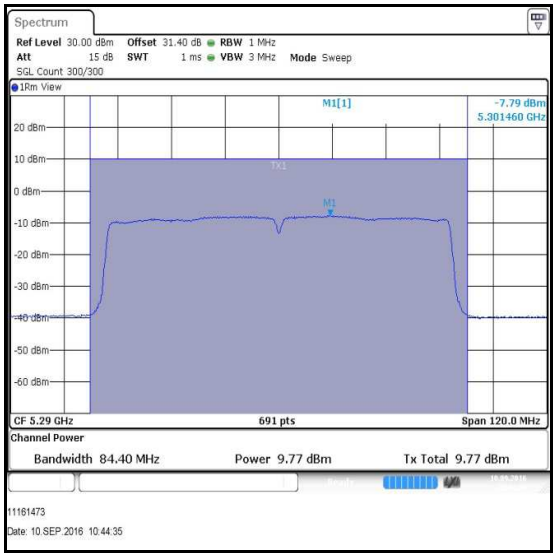
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands) (continued)

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

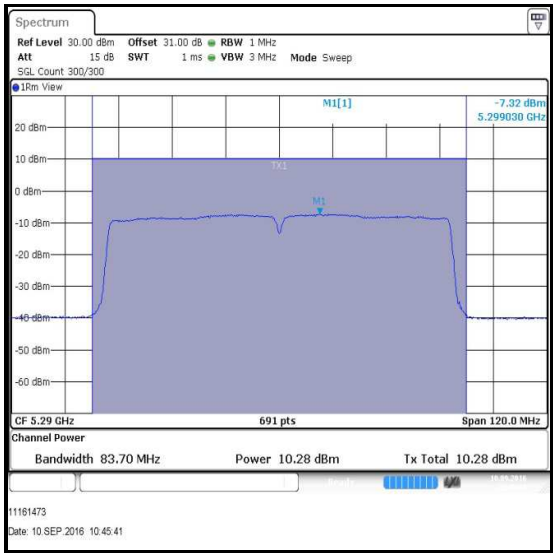
Channel	Frequency (MHz)	Port 1			Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5290	9.8	0.1	9.9	10.3	0.1	10.4

Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5290	9.9	10.4	13.2	23.6	10.4	Complied

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



Single Channel / Port 1



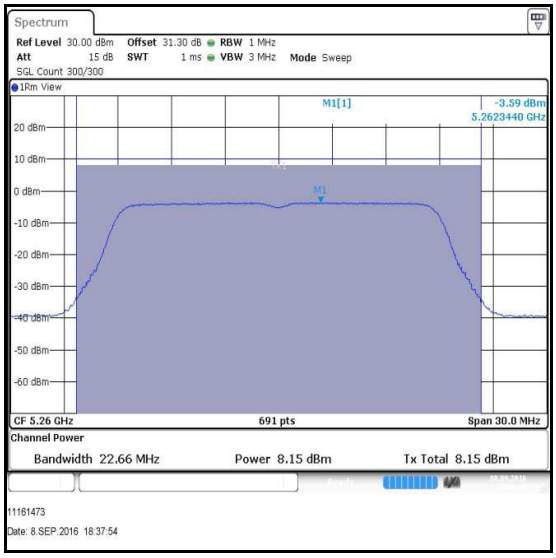
Single Channel / Port 3

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

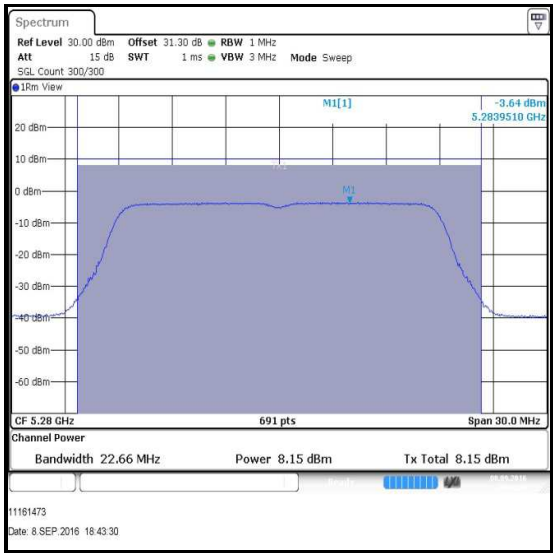
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / Ports 1, 2, 3 / 5.25-5.35 GHz band

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	8.2	8.9	8.7	13.4	19.0	5.6	Complied
Middle	5280	8.2	8.8	8.7	13.3	19.0	5.7	Complied
Top	5320	8.3	8.8	8.8	13.4	19.0	5.6	Complied

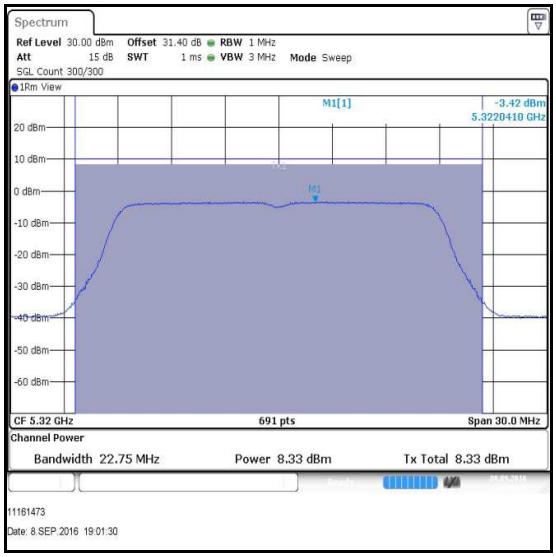
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / 5.25-5.35 GHz band / Port 1



Bottom Channel



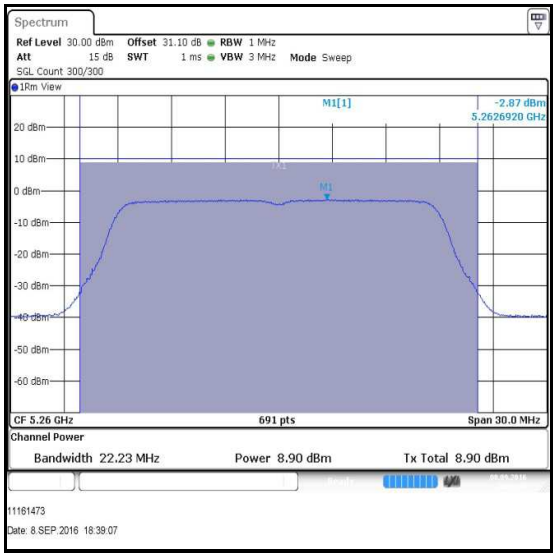
Middle Channel



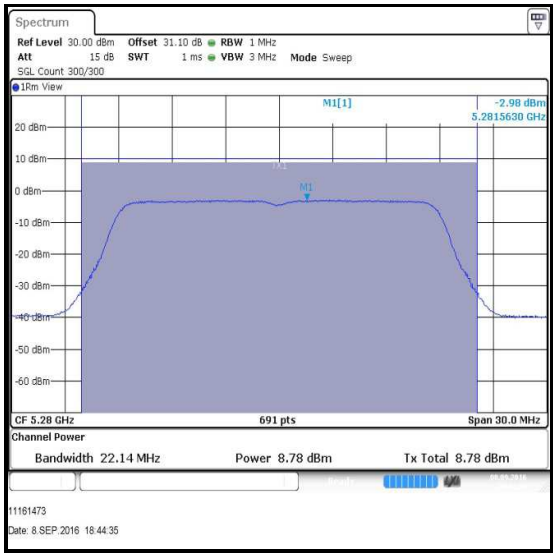
Top Channel

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

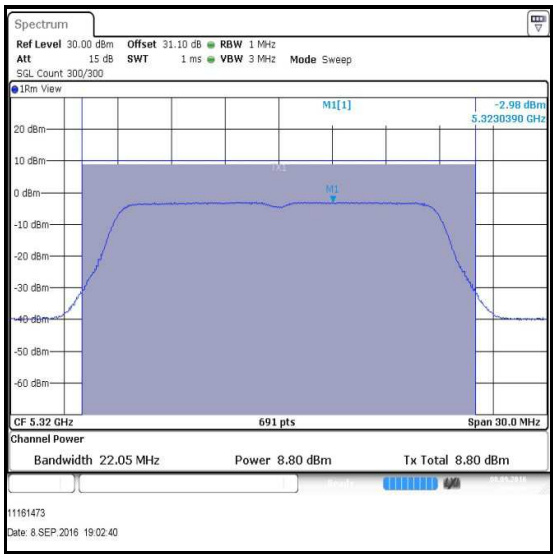
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / 5.25-5.35 GHz band / Port 2



Bottom Channel



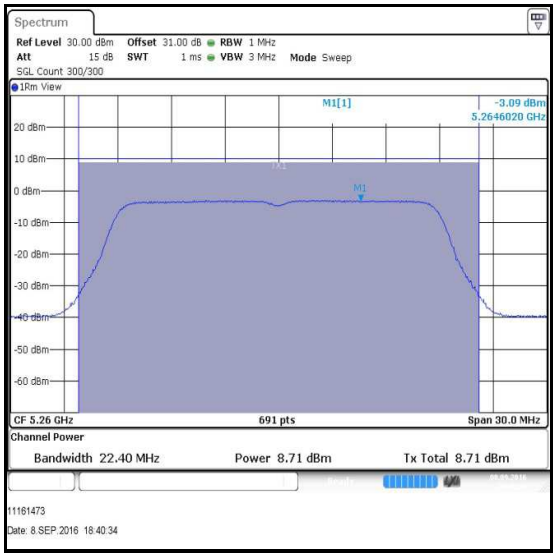
Middle Channel



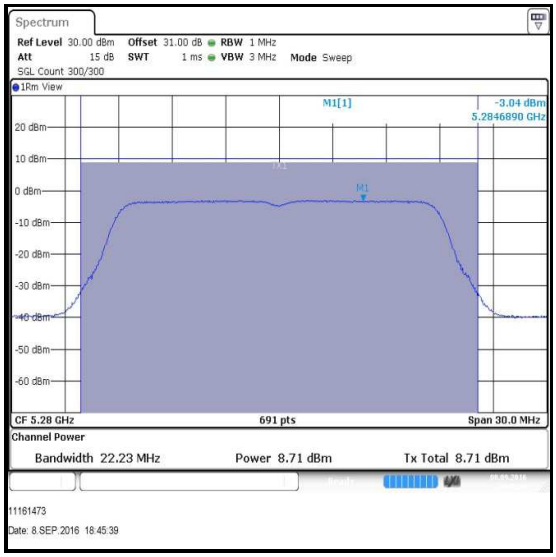
Top Channel

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

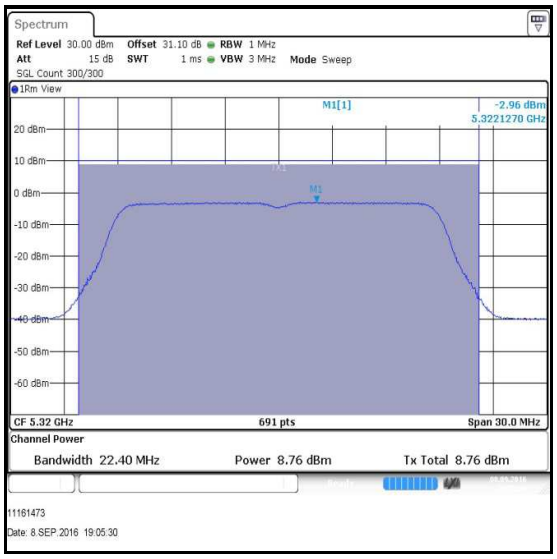
Results: 802.11n / HT20 / MIMO / 3Tx CDD / MCS0 / 5.25-5.35 GHz band / Port 3



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 / 5.25-5.35 GHz band / Ports 1, 2, 3

Channel	Frequency (MHz)	Port 1		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5270	10.7	0.1	10.8
Top	5310	10.7	0.1	10.8

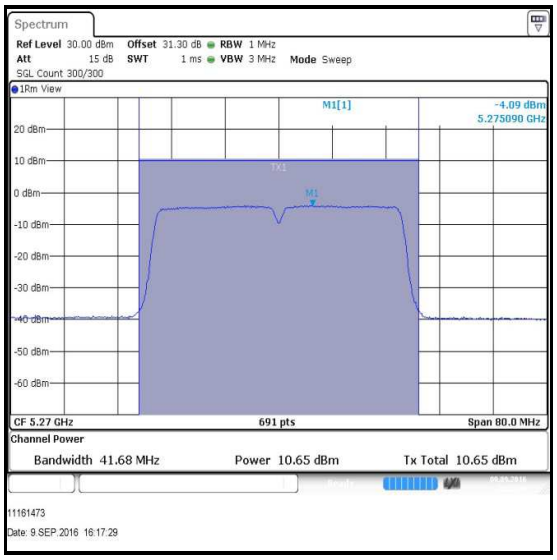
Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5270	11.3	0.1	11.4
Top	5310	11.3	0.1	11.4

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Bottom	5270	11.4	0.1	11.5
Top	5310	11.2	0.1	11.3

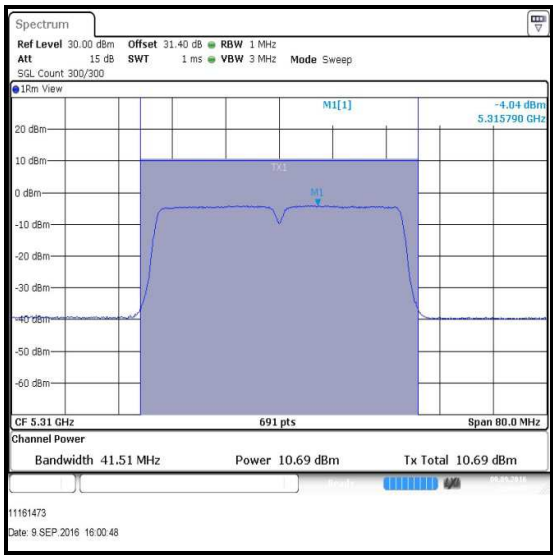
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	10.8	11.4	11.5	16.0	19.0	3.0	Complied
Top	5310	10.8	11.4	11.3	15.9	19.0	3.1	Complied

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 / 5.25-5.35 GHz band / Port 1

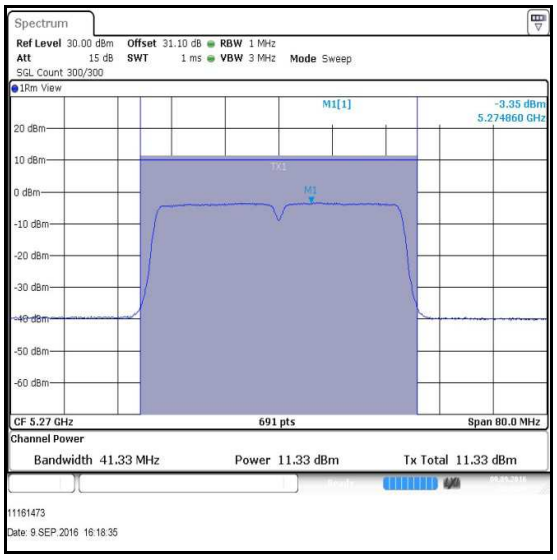


Bottom Channel

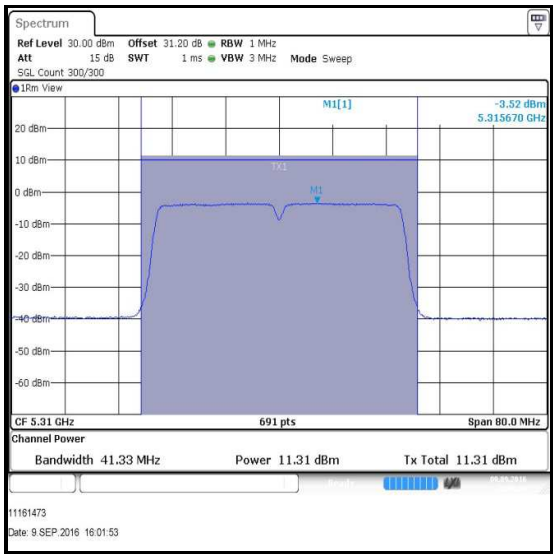


Top Channel

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



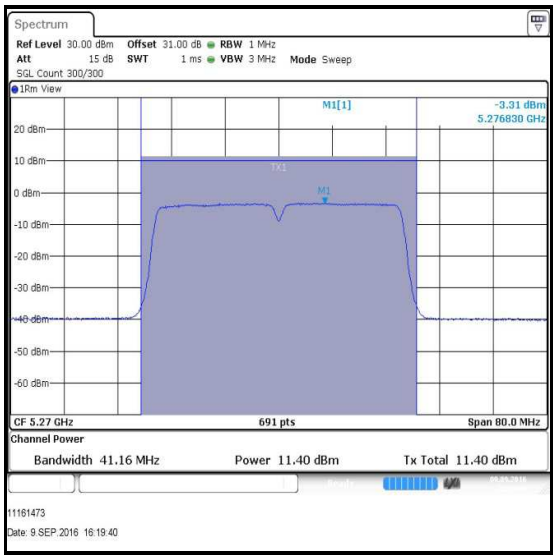
Bottom Channel



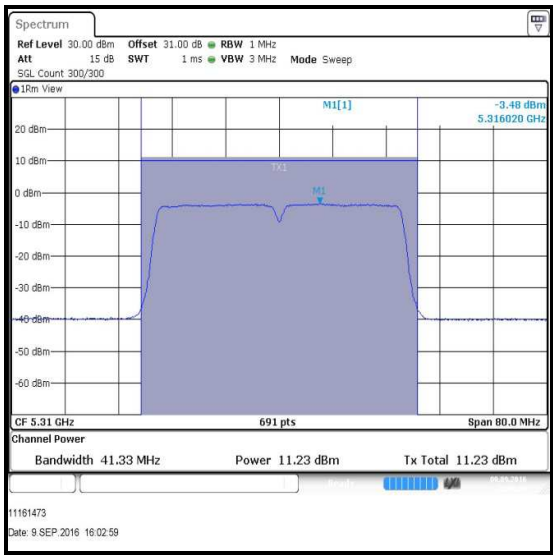
Top Channel

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

Results: 802.11n / HT40 / MIMO 3Tx CDD / 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 CDD / 29.3 Mbps / 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	7.7	0.1	7.8

Channel	Frequency (MHz)	Port 2		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5290	8.2	0.1	8.3

Channel	Frequency (MHz)	Port 3		
		Conducted Power (dBm)	Duty Cycle correction (dB)	Corrected Conducted Power (dBm)
Single	5290	8.3	0.1	8.4

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
Single	5290	7.8	8.3	8.4	12.9	19.0	6.1	Complied