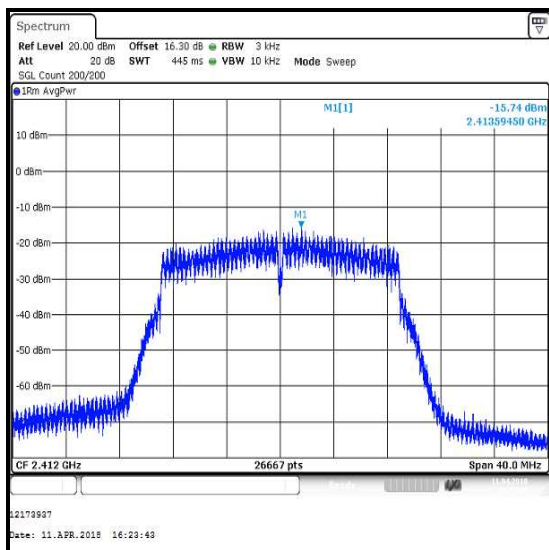
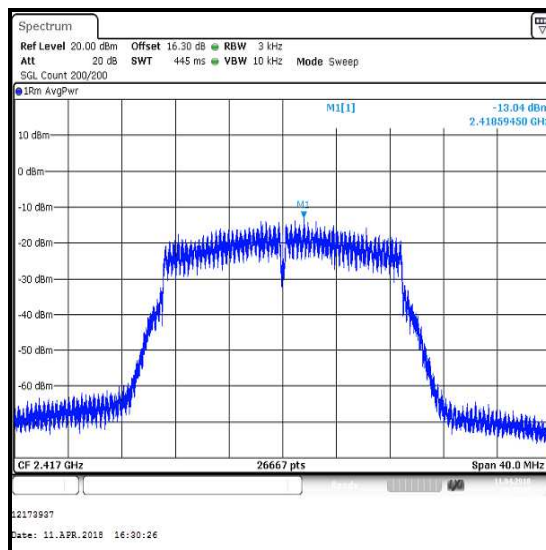
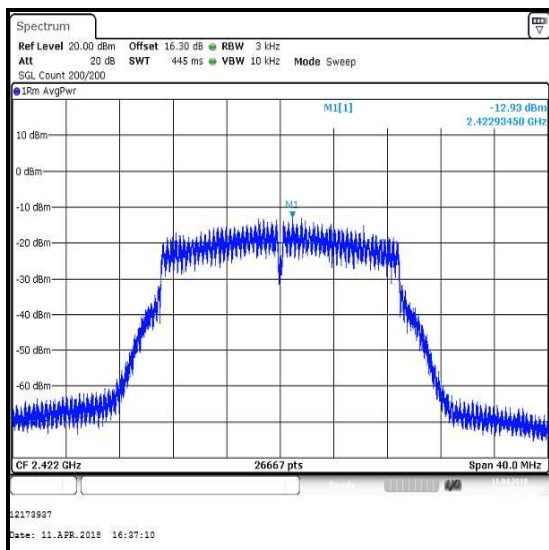


Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 2Tx CDD / BPSK / MCS0 / Port WF2**

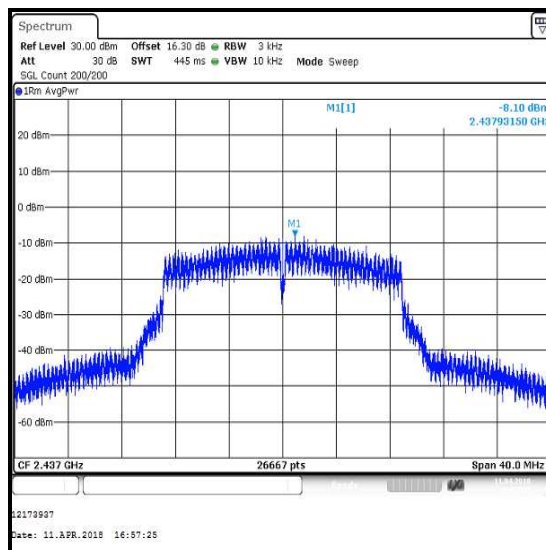
Channel 1



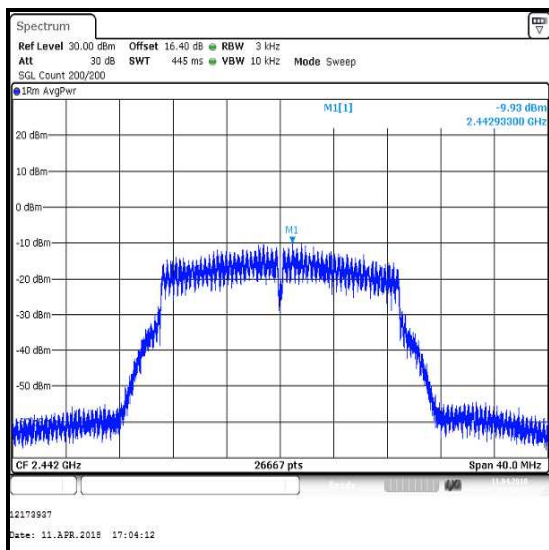
Channel 2



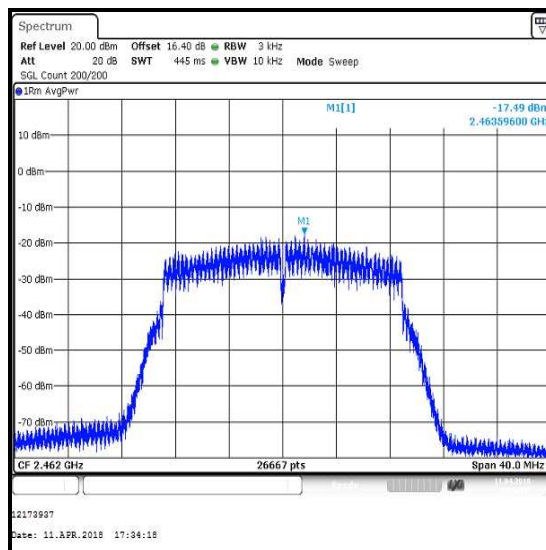
Channel 3



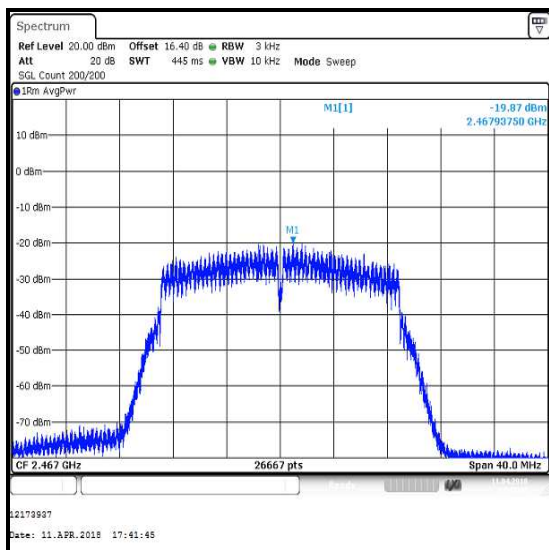
Channel 6

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 2Tx CDD / BPSK / MCS0 / Port WF2**

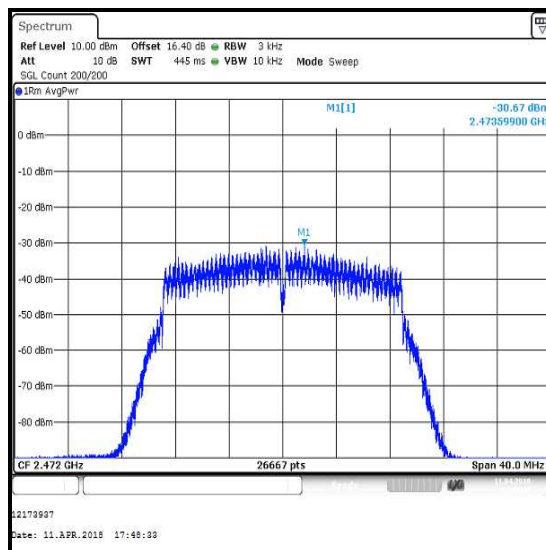
Channel 7



Channel 11



Channel 12

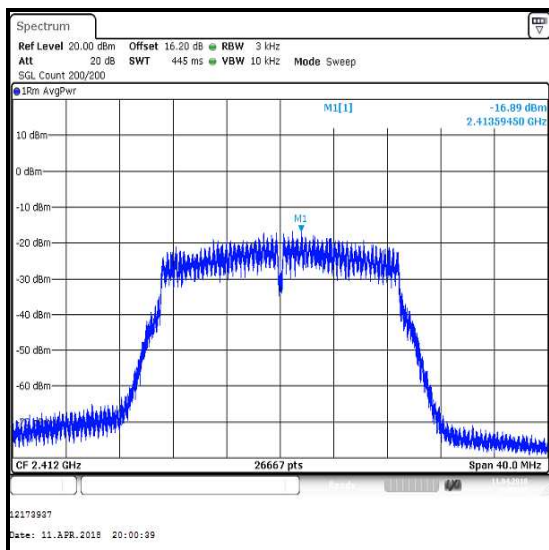


Channel 13

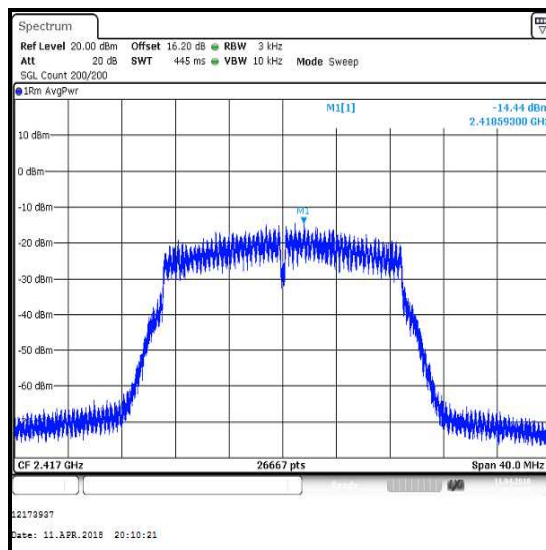
Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / BPSK / MCS0**

Channel	PSD on Port WF1 (dBm / 3 kHz)	PSD on Port WF2 (dBm / 3 kHz)	PSD on Port WF3 (dBm / 3 kHz)
1	-16.9	-16.4	-16.7
2	-14.4	-14.3	-14.3
3	-14.1	-14.2	-13.9
6	-11.3	-10.3	-11.2
7	-11.1	-10.6	-11.0
11	-18.7	-17.9	-18.5
12	-20.0	-20.0	-20.0
13	-32.0	-31.3	-32.1

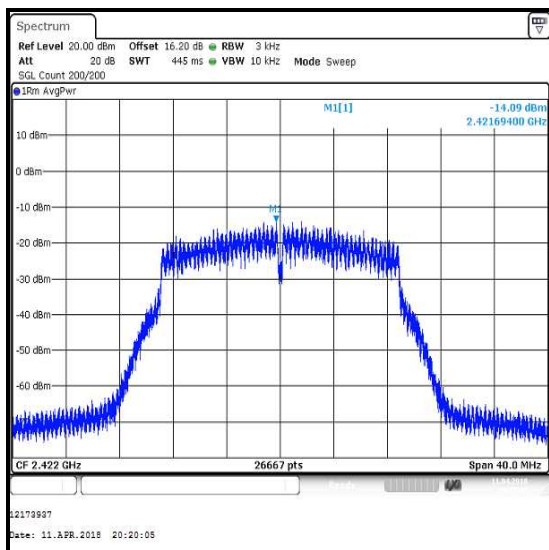
Channel	Combined PSD (dBm / 3 kHz)	PSD Limit (dBm / 3 kHz)	Margin (dB)	Result
1	-11.9	8.0	19.9	Complied
2	-9.6	8.0	17.6	Complied
3	-9.4	8.0	17.4	Complied
6	-6.3	8.0	14.3	Complied
7	-6.2	8.0	14.2	Complied
11	-13.7	8.0	21.7	Complied
12	-15.3	8.0	23.3	Complied
13	-27.2	8.0	35.2	Complied

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / BPSK / MCS0 / Port WF1**

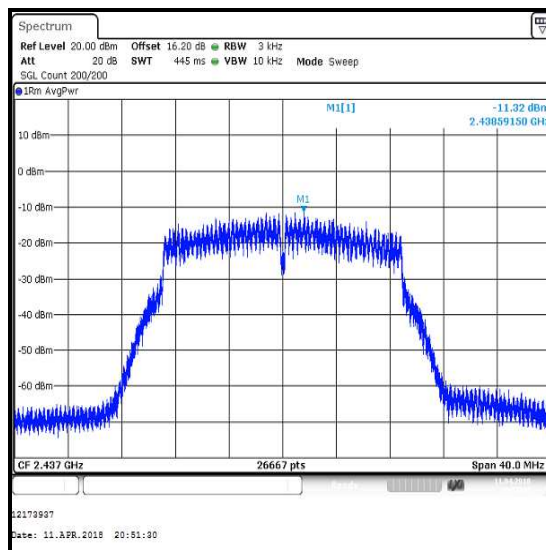
Channel 1



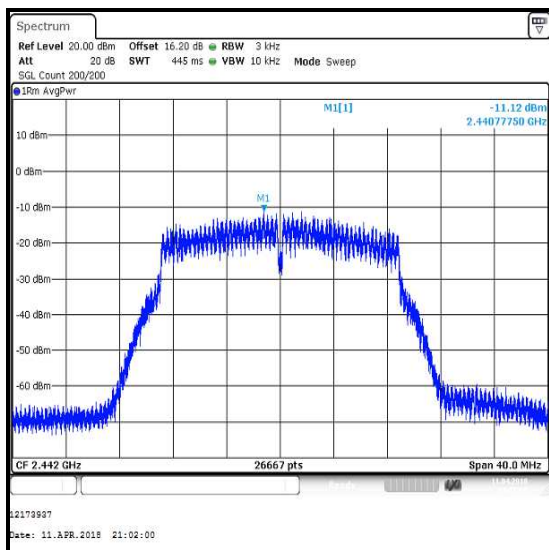
Channel 2



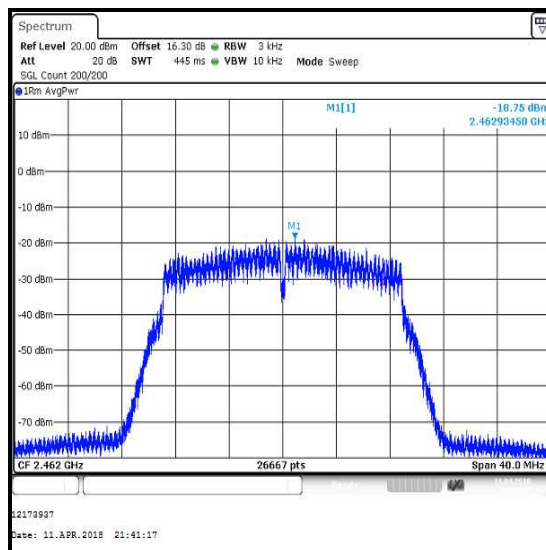
Channel 3



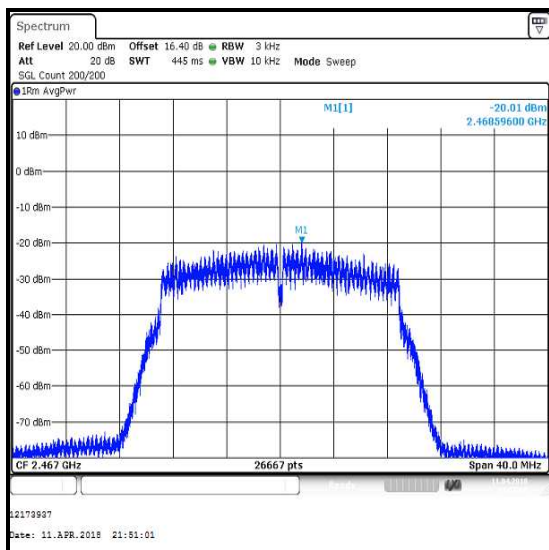
Channel 6

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / BPSK / MCS0 / Port WF1**

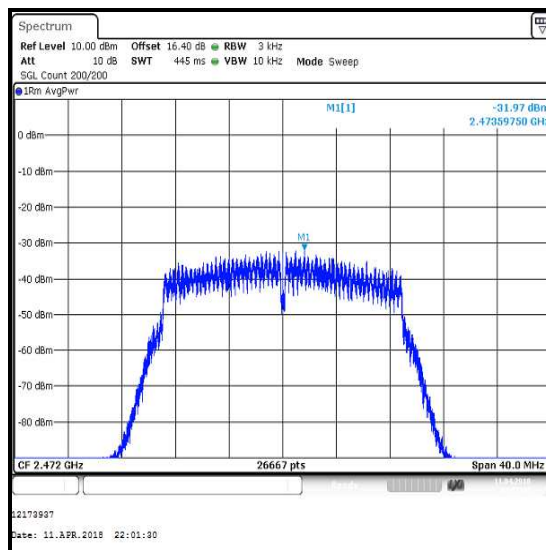
Channel 7



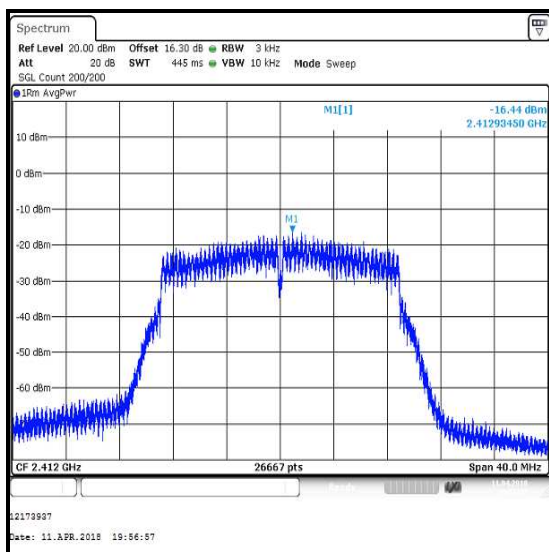
Channel 11



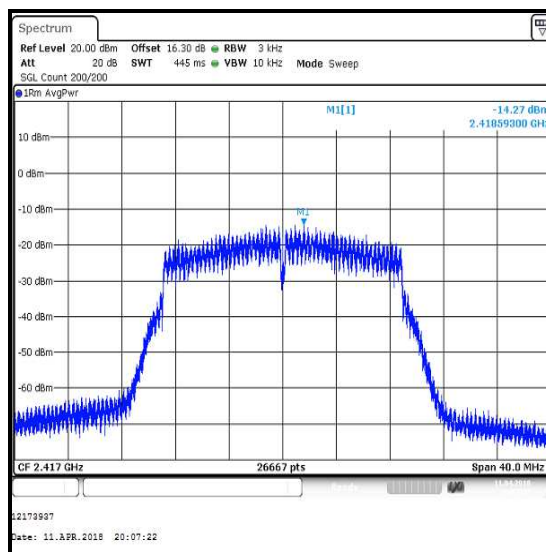
Channel 12



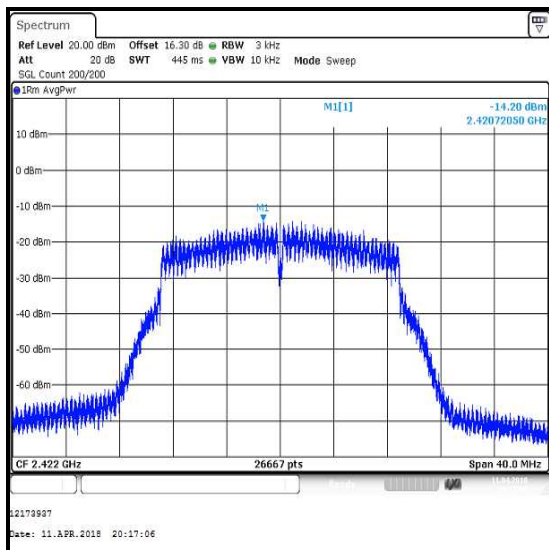
Channel 13

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / BPSK / MCS0 / Port WF2**

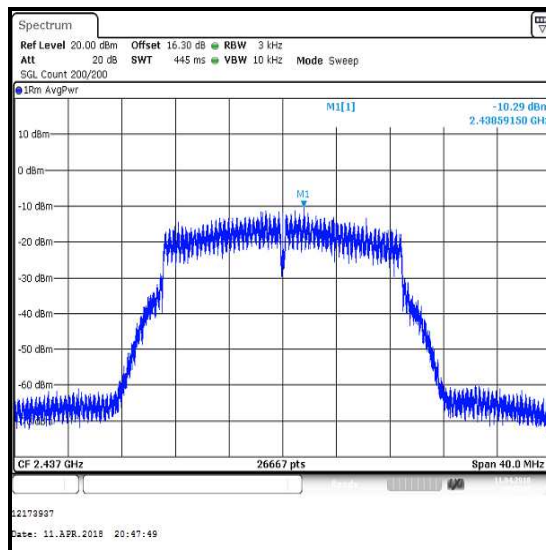
Channel 1



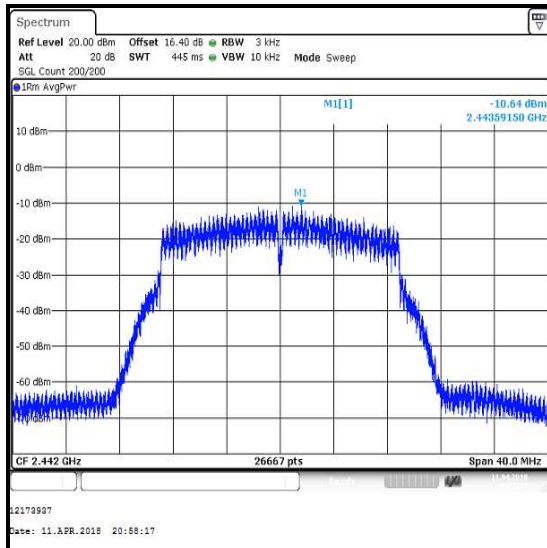
Channel 2



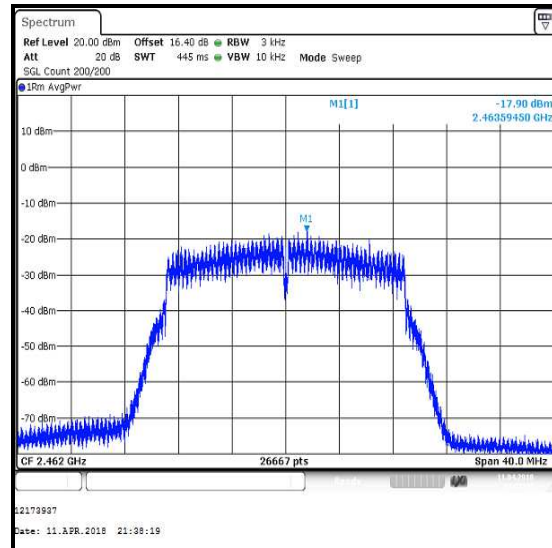
Channel 3



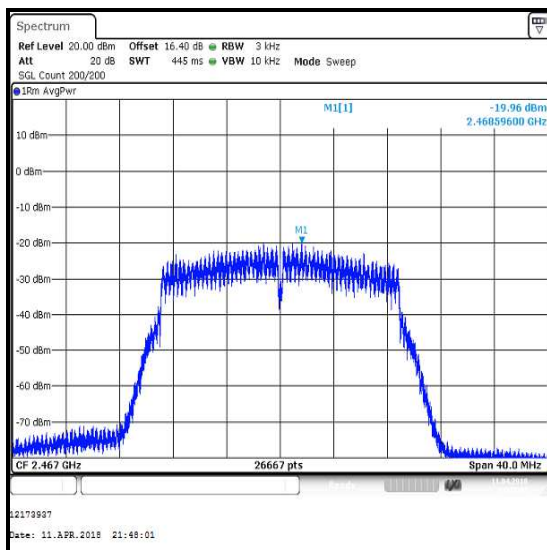
Channel 6

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / BPSK / MCS0 / Port WF2**

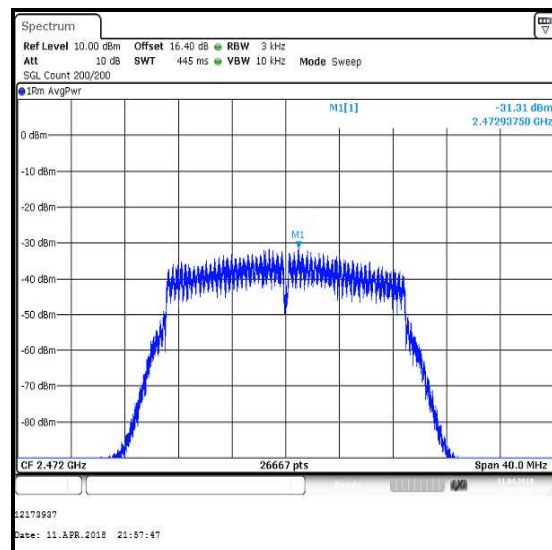
Channel 7



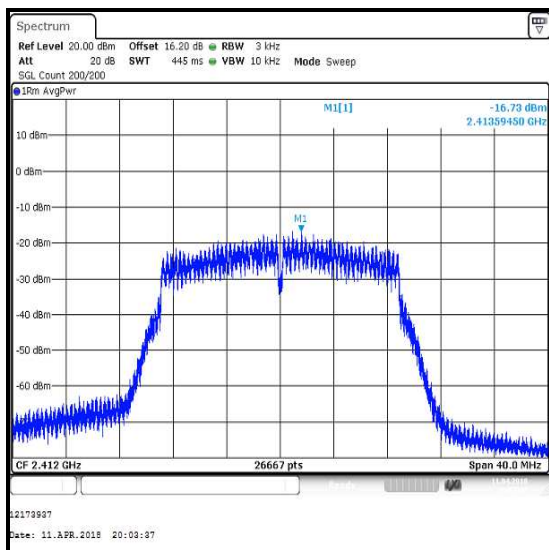
Channel 11



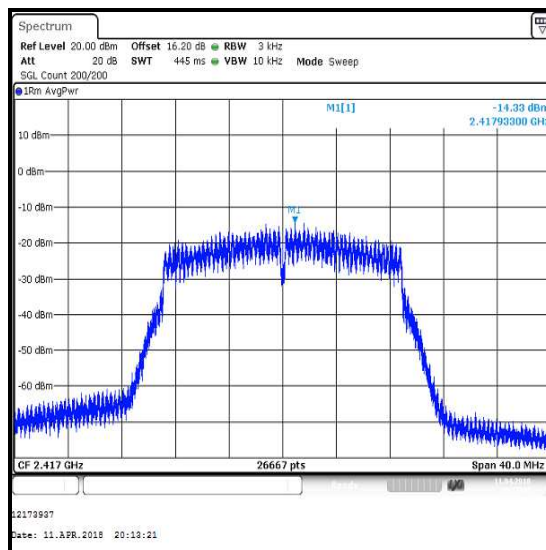
Channel 12



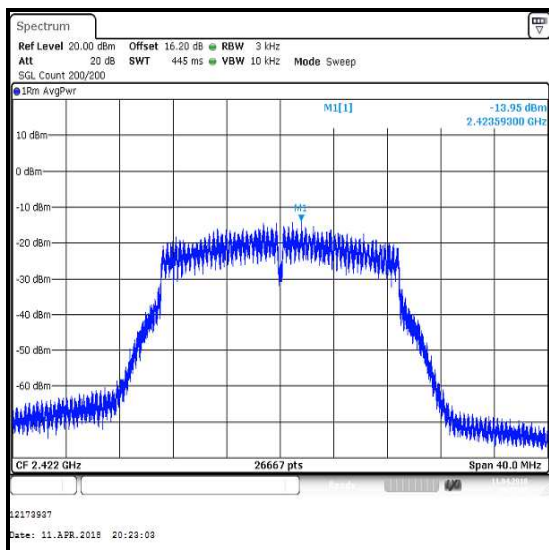
Channel 13

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / BPSK / MCS0 / Port WF3**

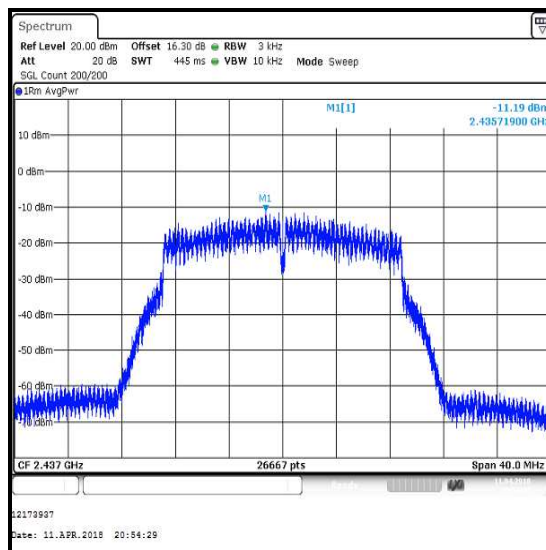
Channel 1



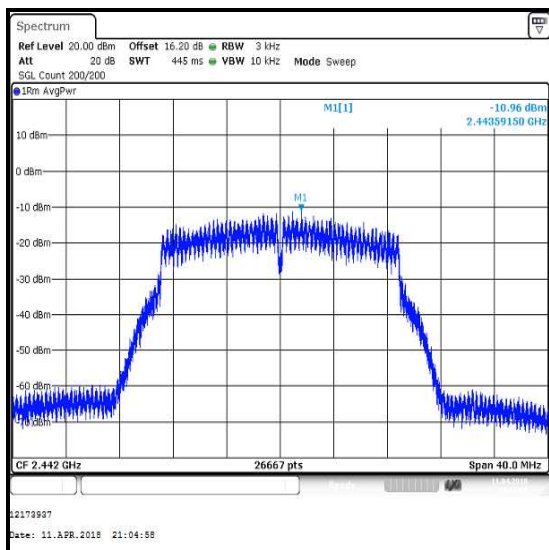
Channel 2



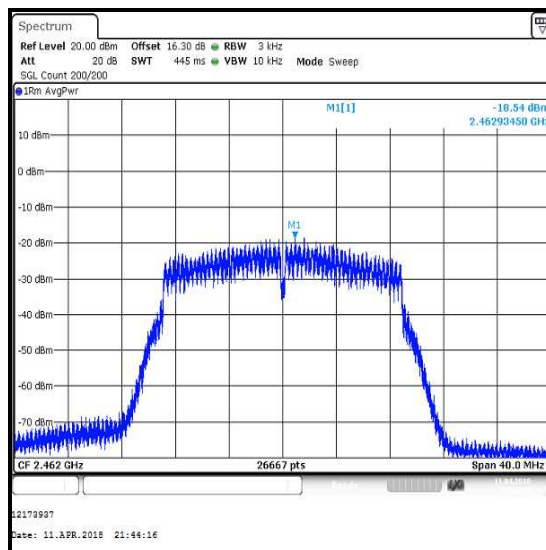
Channel 3



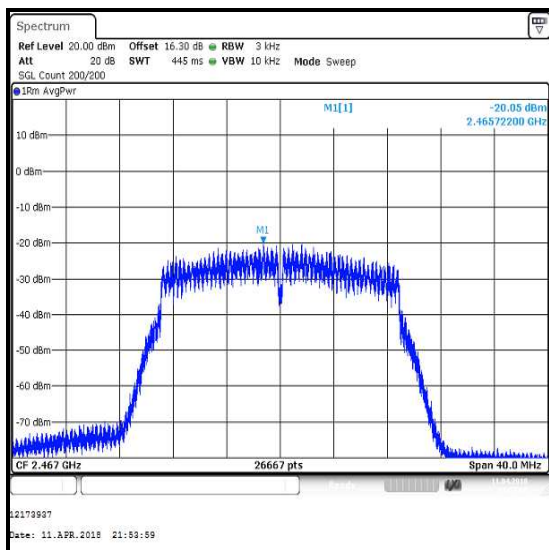
Channel 6

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / BPSK / MCS0 / Port WF3**

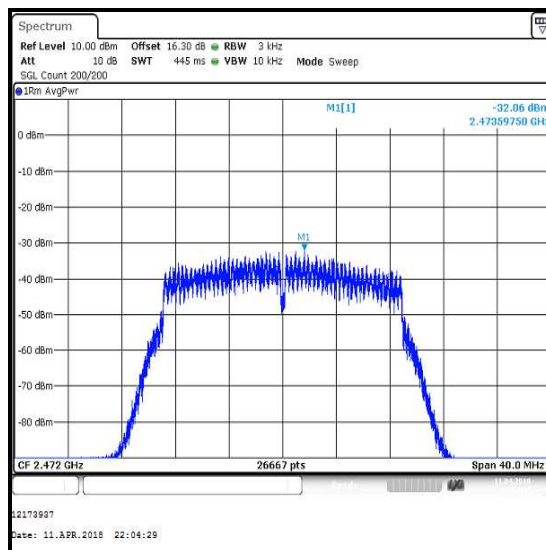
Channel 7



Channel 11



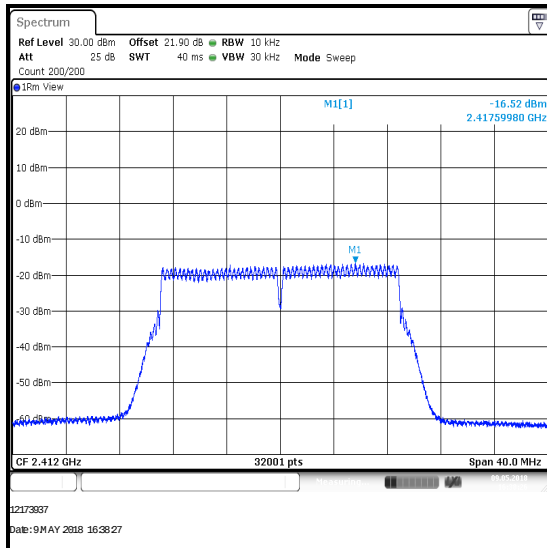
Channel 12



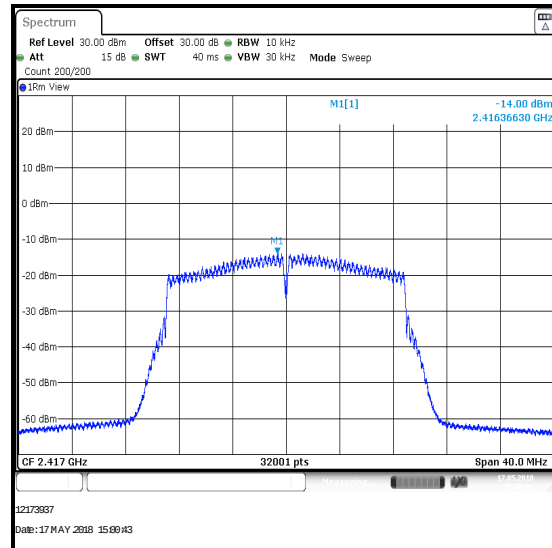
Channel 13

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 2Tx TxBF / BPSK / MCS0**

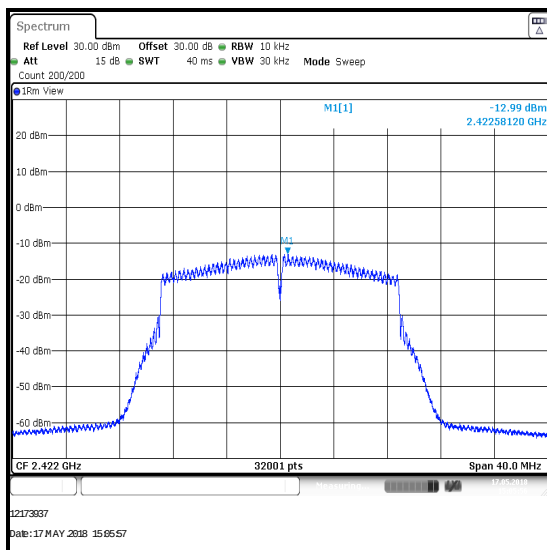
Channel	PSD at Port WF1 (dBm / 3 kHz)	PSD at Port WF2 (dBm / 3 kHz)	Combined PSD (dBm / 3 kHz)	PSD Limit (dBm / 3 kHz)	Margin (dB)	Result
1	-16.5	-16.8	-13.6	8.0	21.6	Complied
2	-14.0	-13.7	-10.8	8.0	18.8	Complied
3	-13.0	-13.1	-10.0	8.0	18.0	Complied
6	-8.4	-7.8	-5.1	8.0	13.1	Complied
7	-11.8	-11.2	-8.5	8.0	16.5	Complied
11	-19.4	-19.6	-16.5	8.0	24.5	Complied
12	-22.0	-22.0	-19.0	8.0	27.0	Complied
13	-29.9	-30.1	-27.0	8.0	35.0	Complied

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 2Tx TxBF / BPSK / MCS0 / Port WF1**

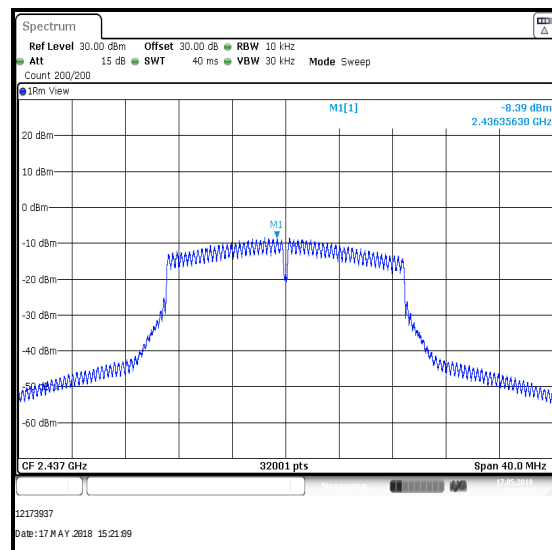
Channel 1



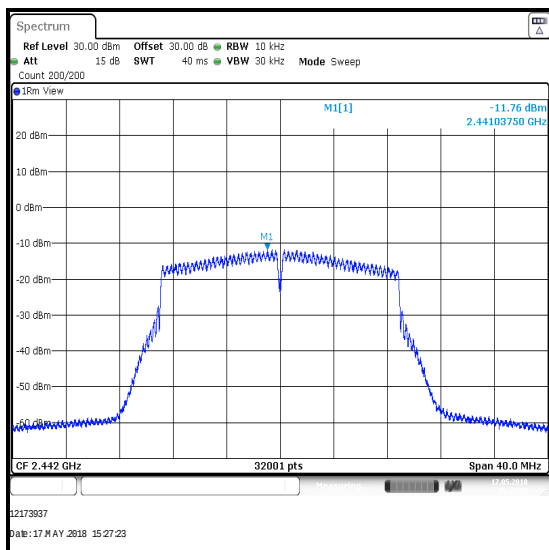
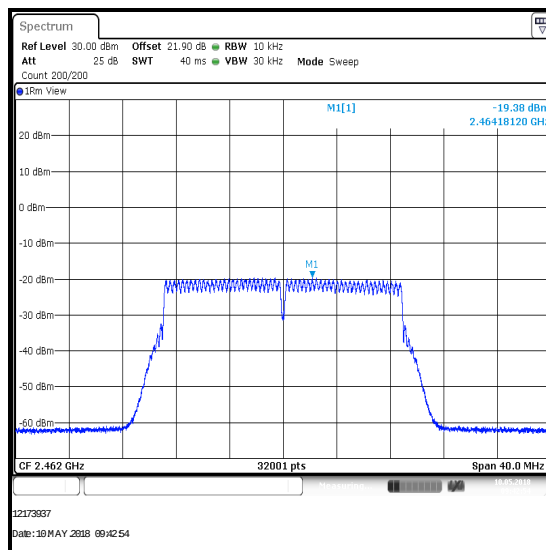
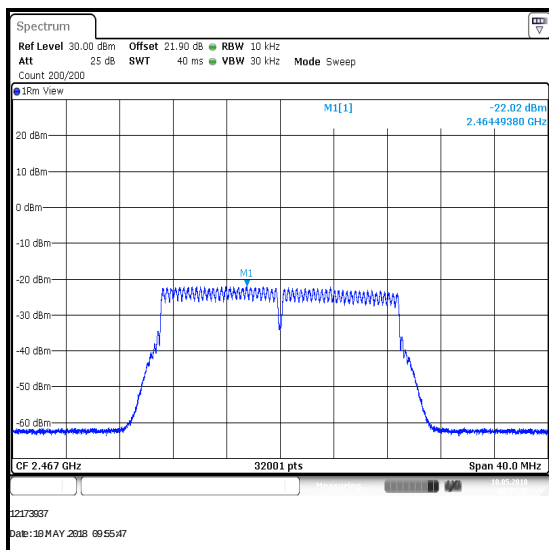
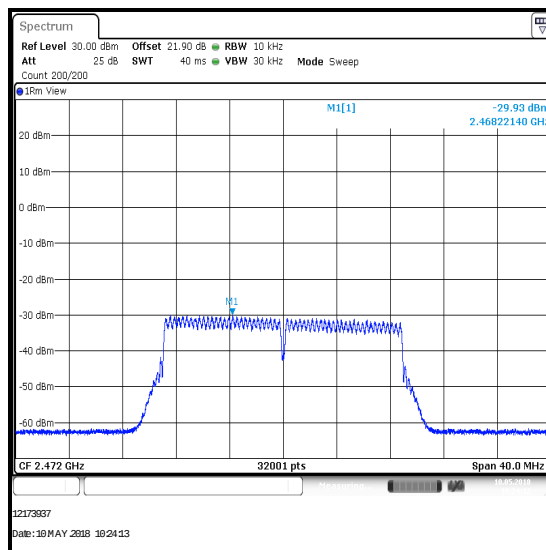
Channel 2

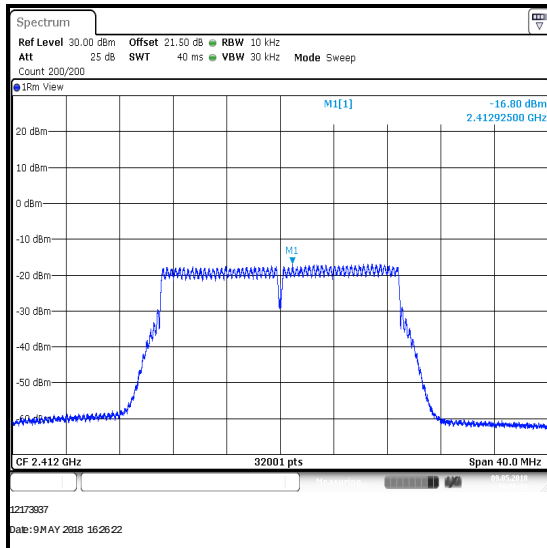


Channel 3

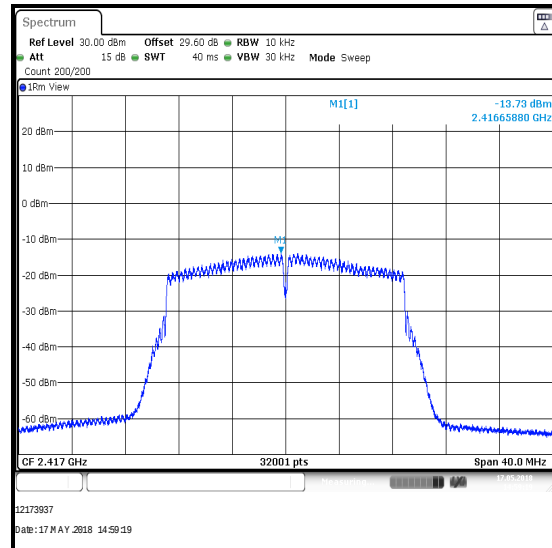


Channel 6

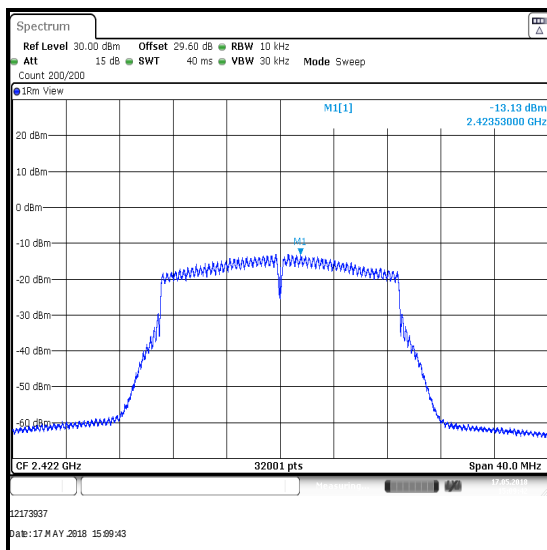
Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 2Tx TxBF / BPSK / MCS0 / Port WF1****Channel 7****Channel 11****Channel 12****Channel 13**

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 2Tx TxBF / BPSK / MCS0 / Port WF2**

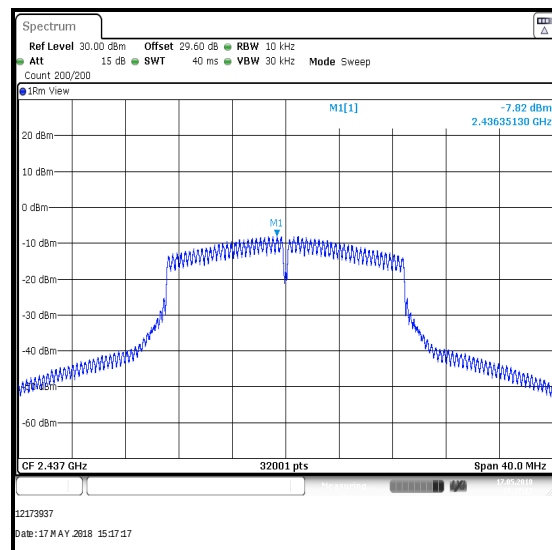
Channel 1



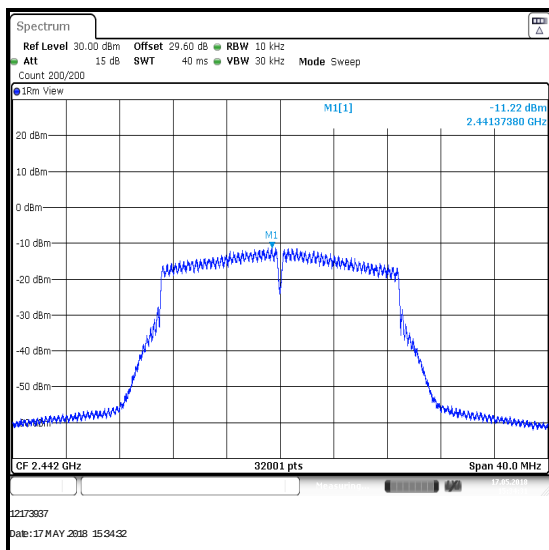
Channel 2



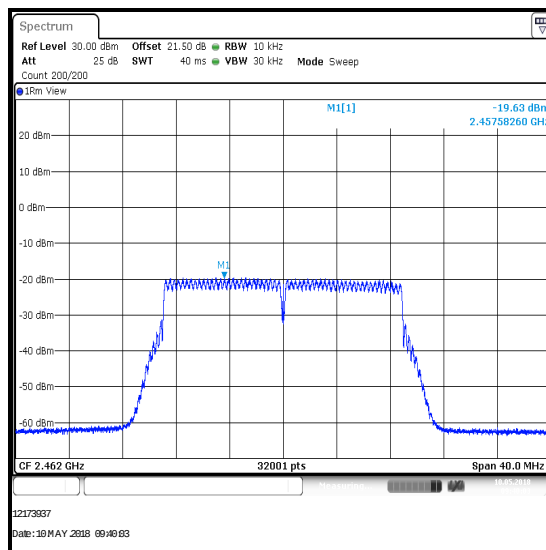
Channel 3



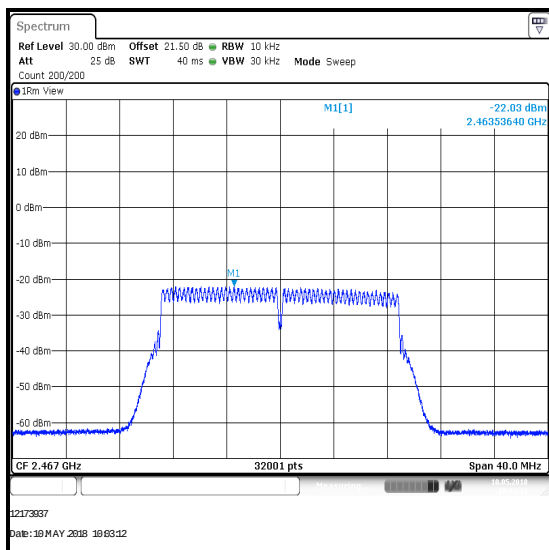
Channel 6

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 2Tx TxBF / BPSK / MCS0 / Port WF2**

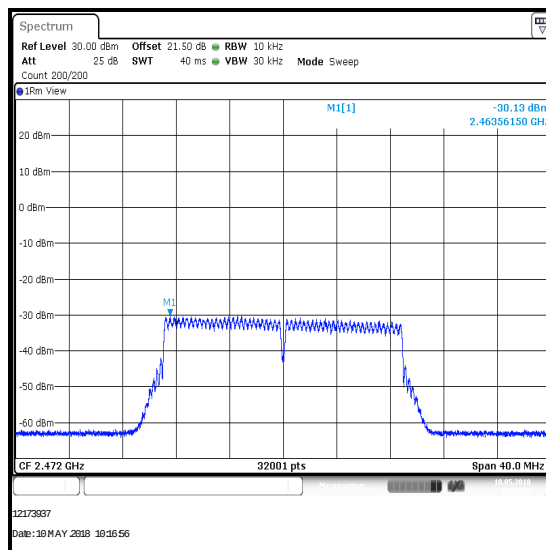
Channel 7



Channel 11



Channel 12

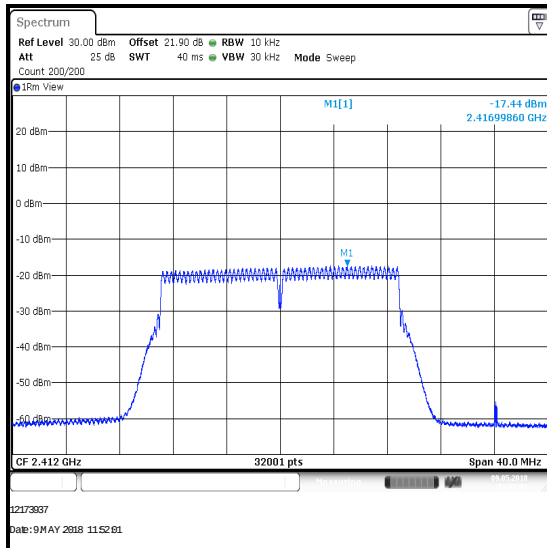


Channel 13

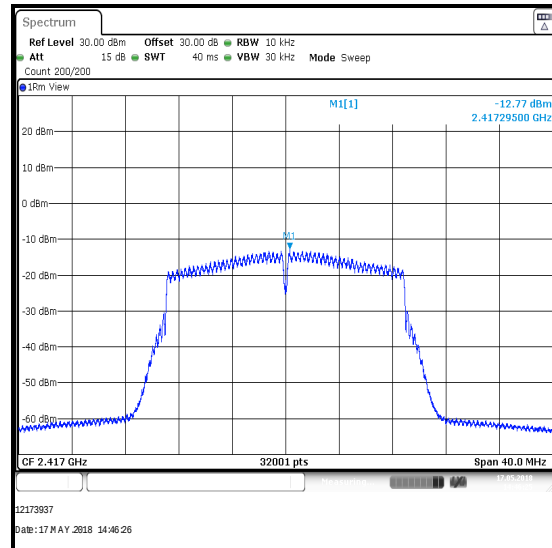
Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx TxBF / BPSK / MCS0**

Channel	PSD on Port WF1 (dBm / 3 kHz)	PSD on Port WF2 (dBm / 3 kHz)	PSD on Port WF3 (dBm / 3 kHz)
1	-17.4	-17.3	-17.3
2	-12.8	-13.3	-13.3
3	-12.6	-12.5	-12.4
6	-13.0	-11.4	-12.1
7	-11.2	-11.0	-11.8
11	-19.7	-19.4	-19.3
12	-22.6	-22.6	-22.0
13	-31.9	-31.7	-32.3

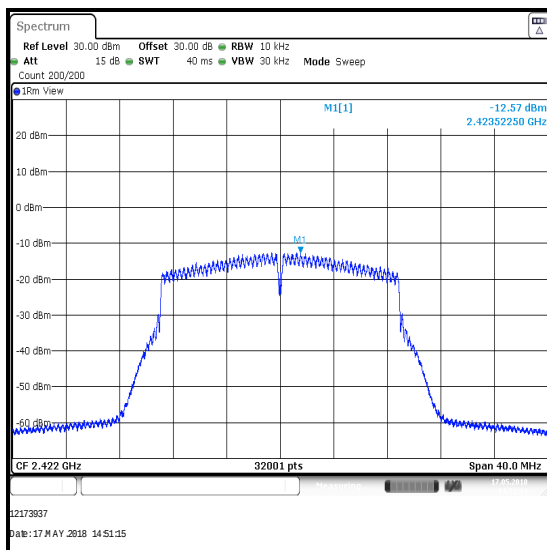
Channel	Combined PSD (dBm / 3 kHz)	PSD Limit (dBm / 3 kHz)	Margin (dB)	Result
1	-12.6	8.0	20.6	Complied
2	-8.4	8.0	16.4	Complied
3	-7.7	8.0	15.7	Complied
6	-7.3	8.0	15.3	Complied
7	-6.5	8.0	14.5	Complied
11	-14.7	8.0	22.7	Complied
12	-17.6	8.0	25.6	Complied
13	-27.2	8.0	35.2	Complied

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx TxBF / BPSK / MCS0 / Port WF1**

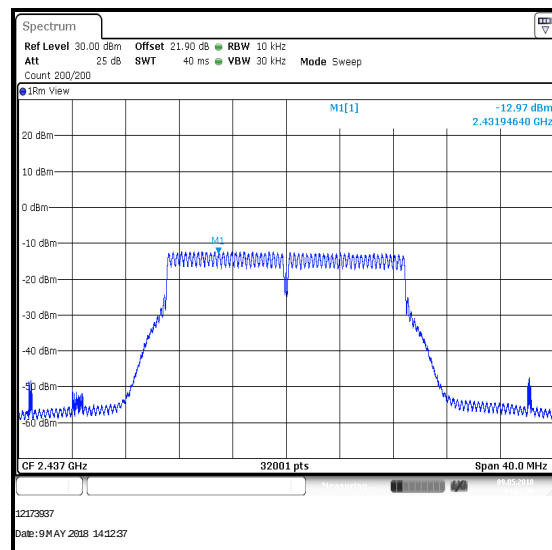
Channel 1



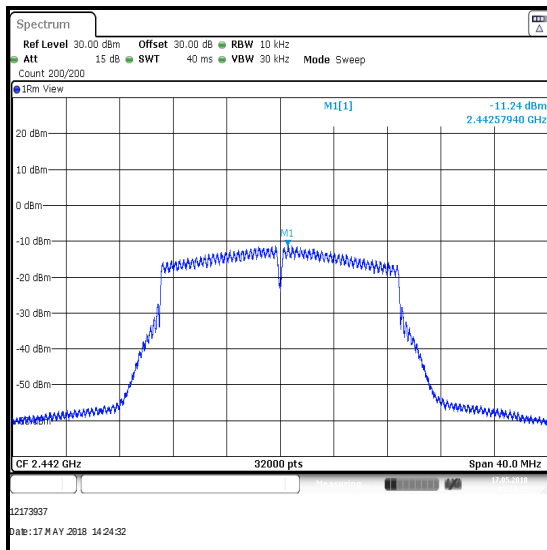
Channel 2



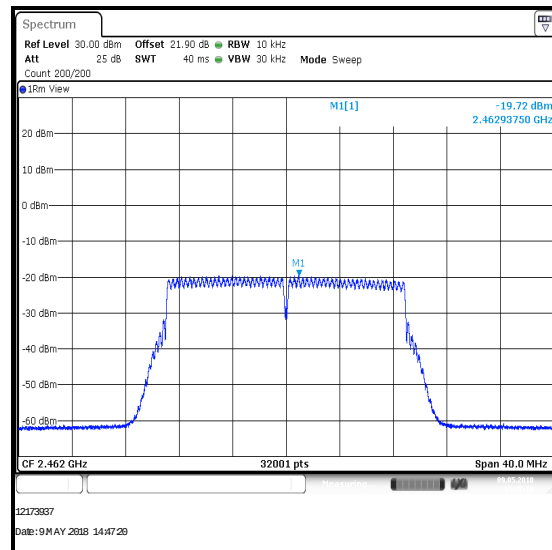
Channel 3



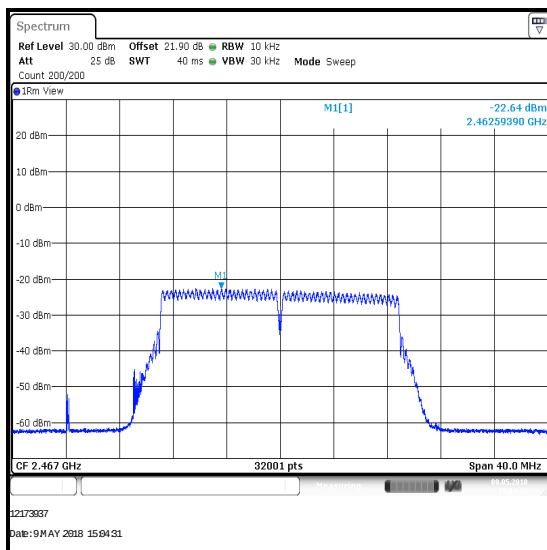
Channel 6

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx TxBF / BPSK / MCS0 / Port WF1**

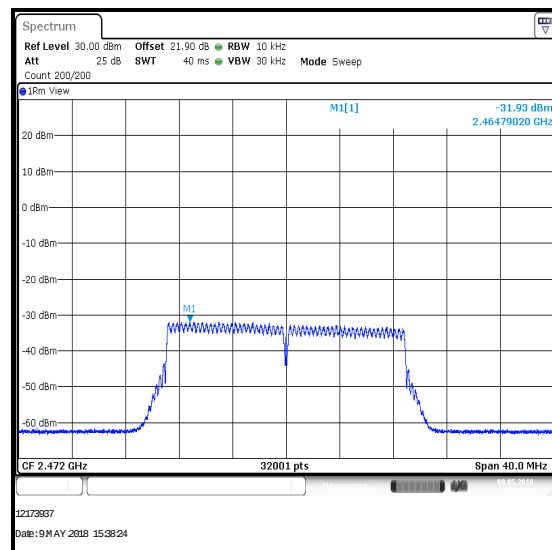
Channel 7



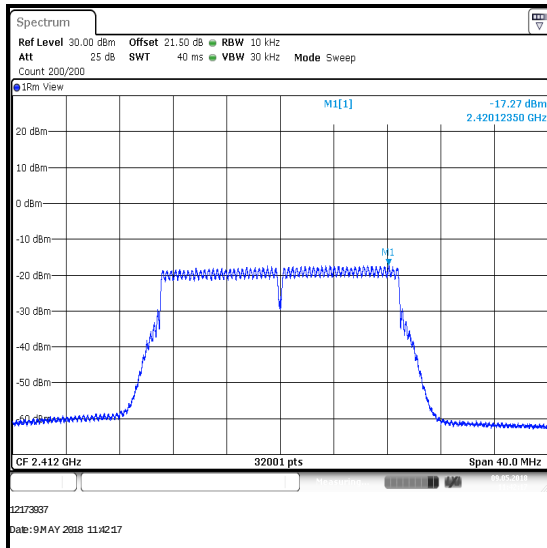
Channel 11



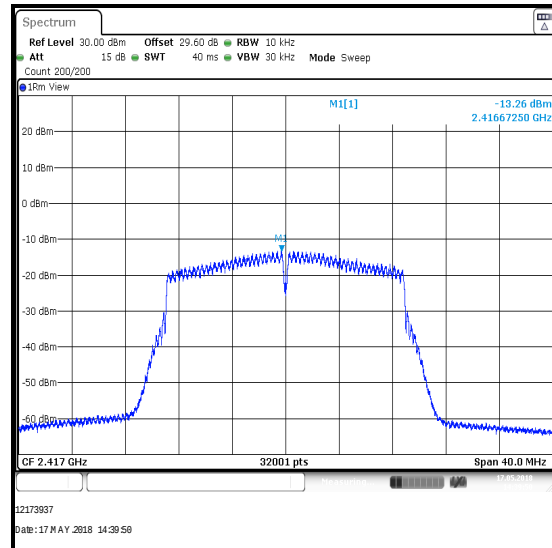
Channel 12



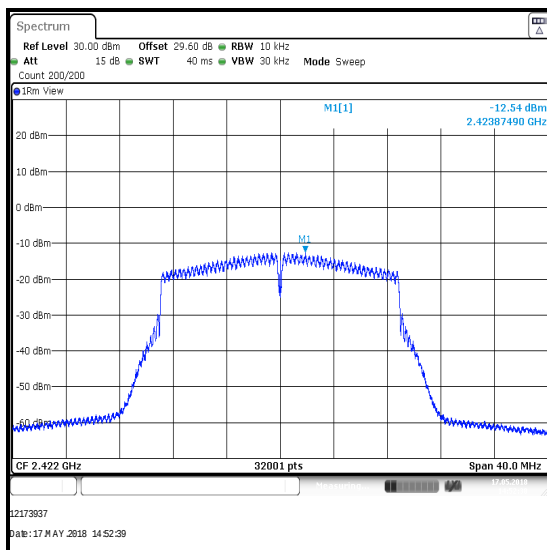
Channel 13

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx TxBF / BPSK / MCS0 / Port WF2**

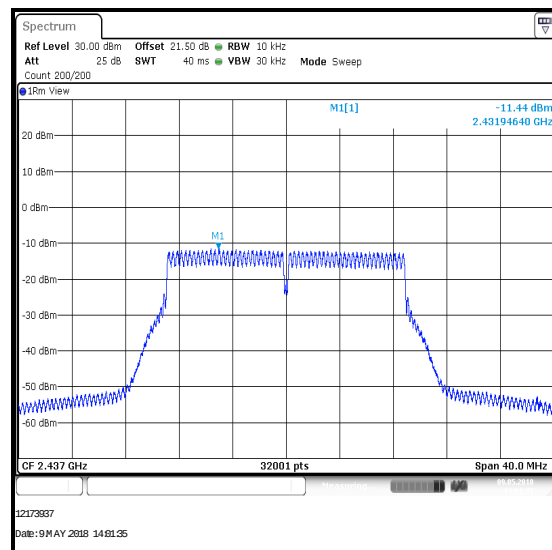
Channel 1



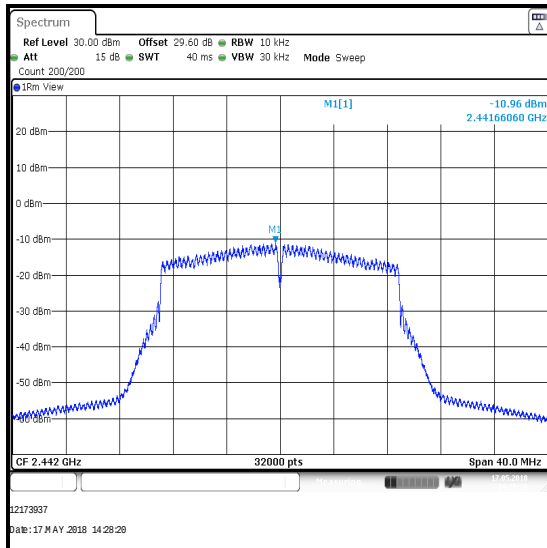
Channel 2



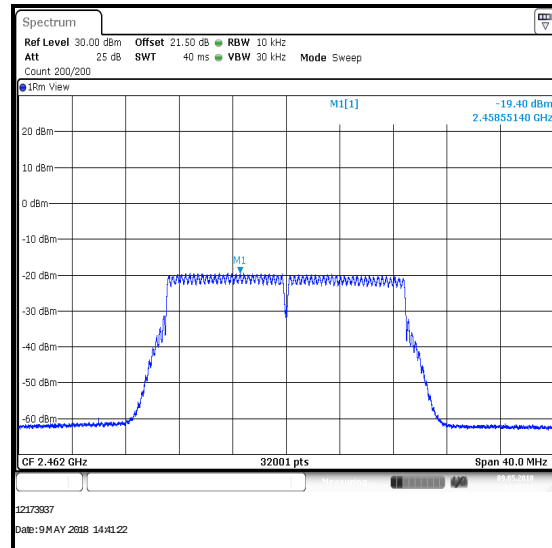
Channel 3



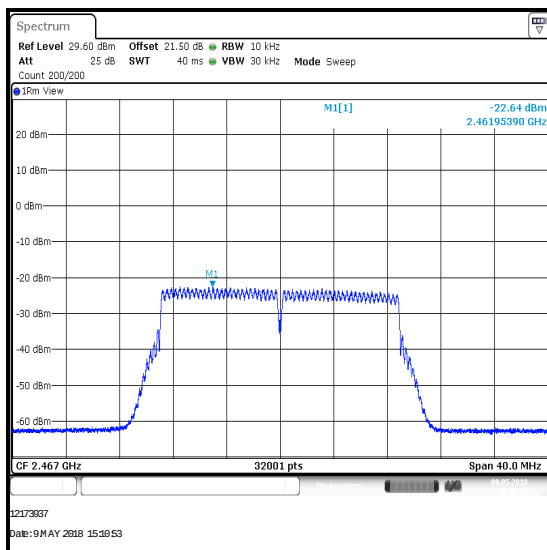
Channel 6

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx TxBF / BPSK / MCS0 / Port WF2**

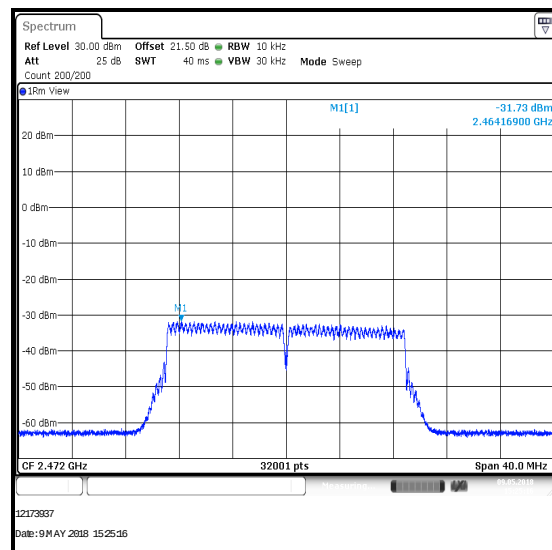
Channel 7



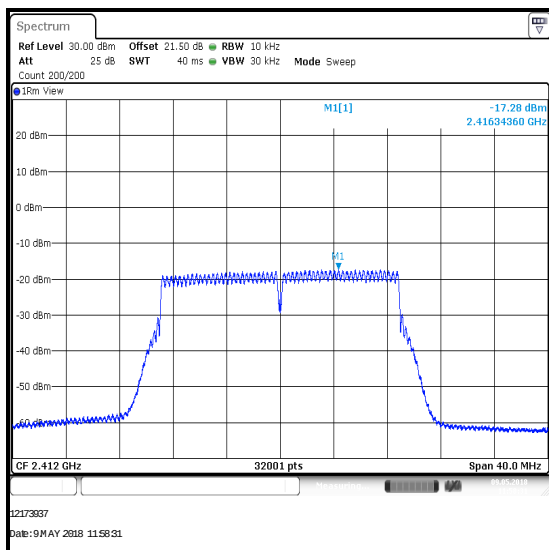
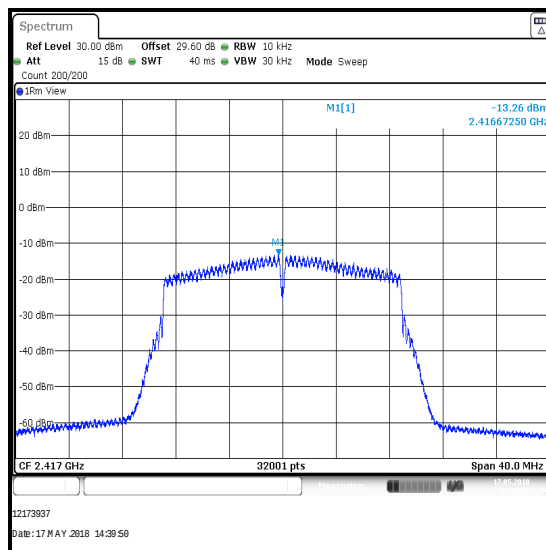
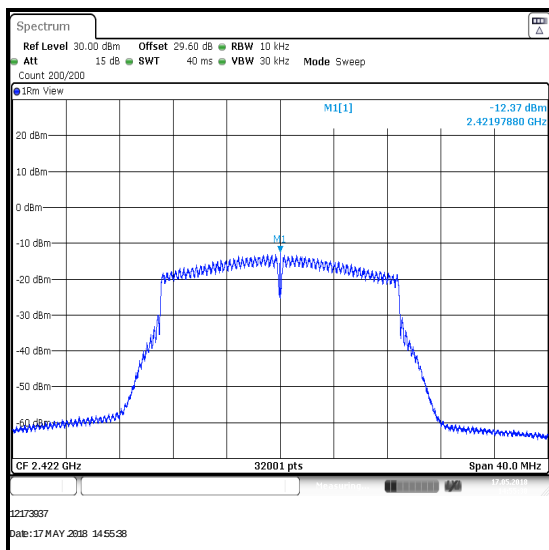
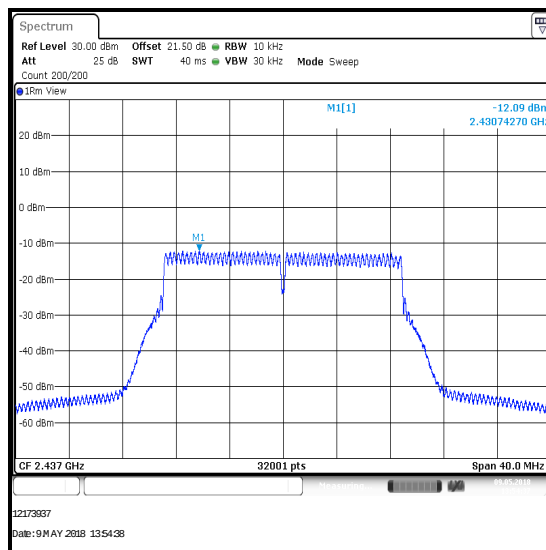
Channel 11

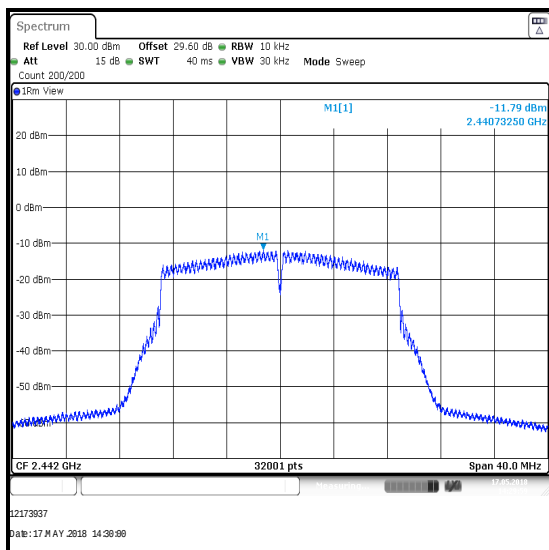
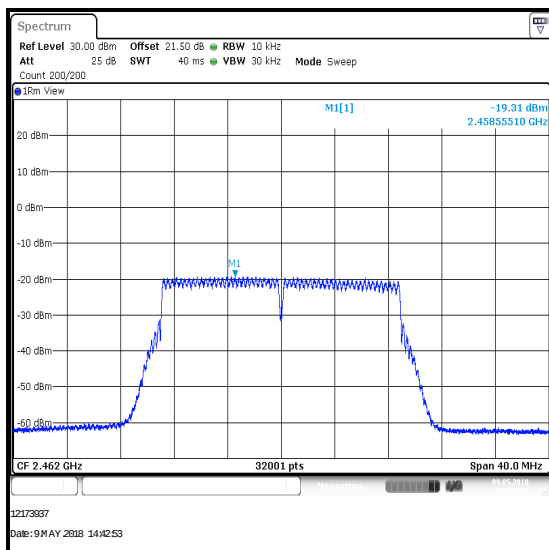
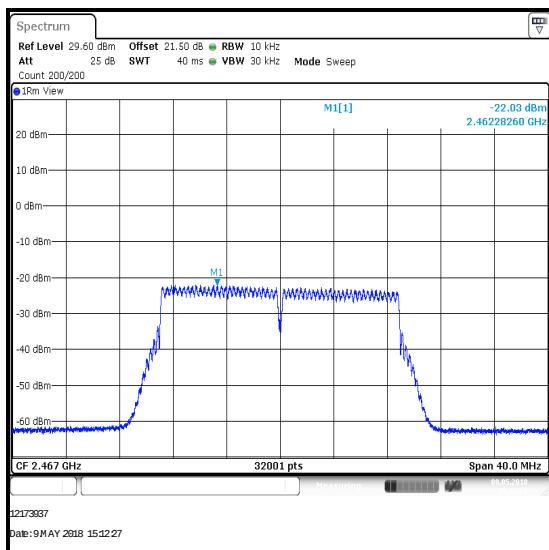
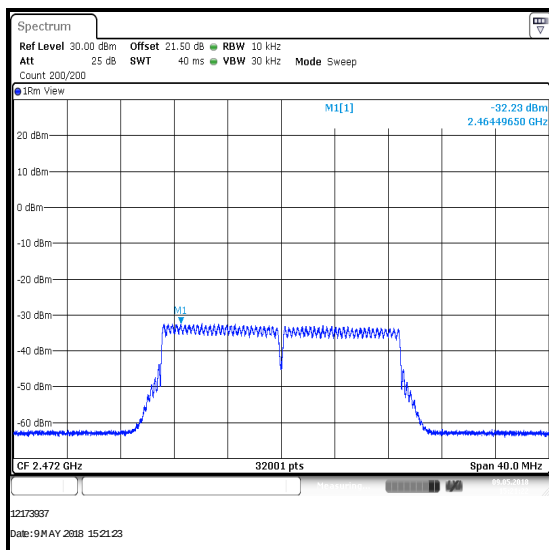


Channel 12



Channel 13

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx TxBF / BPSK / MCS0 / Port WF3****Channel 1****Channel 2****Channel 3****Channel 6**

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / MIMO / 3Tx TxBF / BPSK / MCS0 / Port WF3****Channel 7****Channel 11****Channel 12****Channel 13**

4.3. Transmitter Maximum (Average) Output Power**Test Summary:**

Test Engineers:	Max Passell & Stefan Ho	Test Dates:	16 April 2018 to 17 May 2018
Test Sample Serial Numbers:	C02VQ00SJKHY & C02W6004JH90		

FCC Reference:	Part 15.247(b)(3)
Test Method Used:	FCC KDB 558074 Sections 9.2.2.2 and Notes below

Environmental Conditions:

Temperature (°C):	22 to 23
Relative Humidity (%):	37 to 42

Note(s):

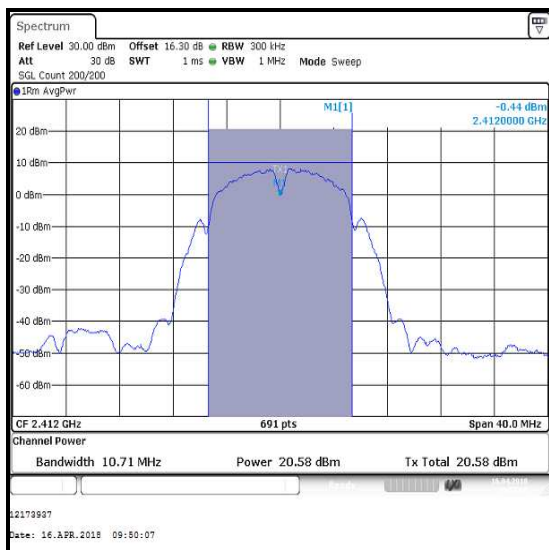
- The customer declared the following data rates to be used for all measurements as:
 - 802.11b – DBPSK / 1 Mbps / SISO / Port WF2
 - 802.11g – BPSK / 6 Mbps / SISO / Port WF2
 - 802.11n HT20 – BPSK / MCS0 / SISO / Port WF2
 - 802.11b – MIMO / 2Tx CDD / DBPSK / 1 Mbps / Ports WF1 & WF2
 - 802.11b – MIMO / 3Tx CDD / DBPSK / 1 Mbps / Ports WF1, WF2 & WF3
 - 802.11n HT20 / MIMO / 2Tx CDD / BPSK / MCS0 / Ports WF1 & WF2
 - 802.11n HT20 / MIMO / 3Tx CDD / BPSK / MCS0 / Ports WF1, WF2 & WF3
 - 802.11n HT20 / MIMO / 2Tx TxBF / BPSK / MCS0 / Ports WF1 & WF2
 - 802.11n HT20 / MIMO / 3Tx TxBF / BPSK / MCS0 / Ports WF1, WF2 & WF3
- Final measurements were performed using the above configurations on the relevant channels. Additional channels were tested as requested by the customer for all modes except TxBF.
- The power has been integrated over the 99% emission bandwidth. Plots for the occupied bandwidth are archived on the company server and available for inspection upon request.
- The EUT was transmitting at >98% duty cycle and testing was performed in accordance with KDB 558074 Section 9.2.2.2 Method AVGSA-1. The signal analyser's integration function was used to integrate across the 99% occupied bandwidth. For 802.11b, the signal analyser resolution bandwidth was set to 300 kHz and video bandwidth 1 MHz. For 802.11g and 802.11n, the signal analyser resolution bandwidth was set to 500 kHz and video bandwidth 2 MHz. An RMS detector was used and sweep time set manually to perform trace averaging over 200 traces. The span was set to at least 1.5 times the 99% emission bandwidth.
- For MIMO modes, conducted power was measured on all ports and then combined using the measure-and-sum technique stated in FCC KDB 662911 D01 Section E)1). For EIRP, the directional antenna gain was added to the conducted output power. Detailed calculations can be found in Appendix 1.
- The signal analyser was connected to the RF port on the EUT using an RF switch, suitable attenuation and RF cables. An RF offset was entered on the signal analyser to compensate for the loss of the switch, attenuator and RF cables.
- For 3Tx MIMO modes, the limit for conducted output power has been reduced by the same amount in dB that the directional gain of the antennas exceeds 6 dBi, in accordance with 15.247(b)(4).

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / DBPSK / 1 Mbps / SISO / Port WF2****Conducted Peak Limit Comparison**

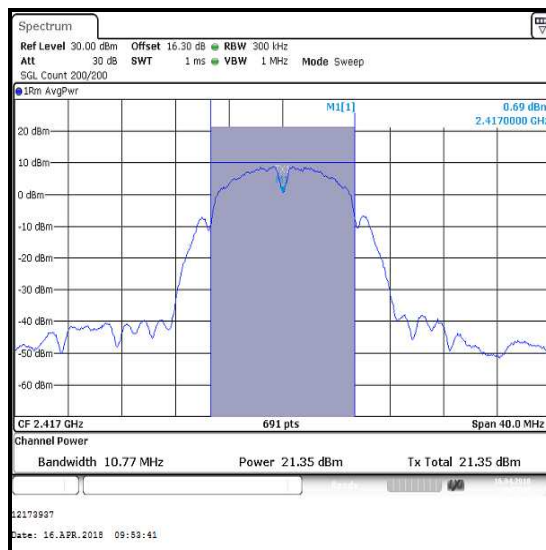
Channel	Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
1	20.6	30.0	9.4	Complied
2	21.3	30.0	8.7	Complied
3	22.2	30.0	7.8	Complied
6	22.4	30.0	7.6	Complied
7	22.3	30.0	7.7	Complied
11	19.3	30.0	10.7	Complied
12	13.2	30.0	16.8	Complied
13	12.3	30.0	17.7	Complied

EIRP Limit Comparison

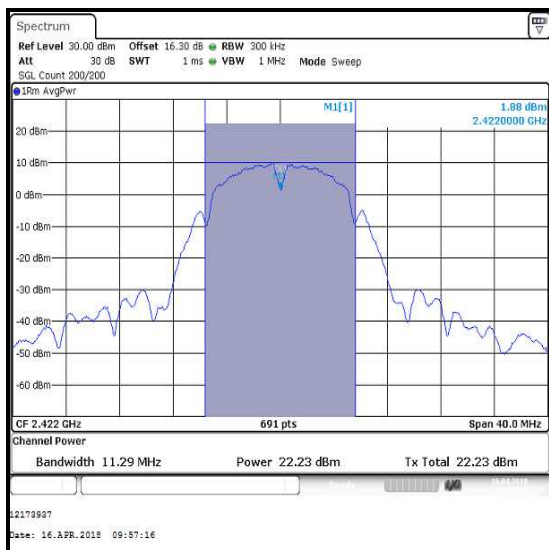
Channel	Conducted Power (dBm)	Declared Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
1	20.6	3.3	23.9	36.0	12.1	Complied
2	21.3	3.3	24.6	36.0	11.4	Complied
3	22.2	3.3	25.5	36.0	10.5	Complied
6	22.4	3.3	25.7	36.0	10.3	Complied
7	22.3	3.3	25.6	36.0	10.4	Complied
11	19.3	3.3	22.6	36.0	13.4	Complied
12	13.2	3.3	16.5	36.0	19.5	Complied
13	12.3	3.3	15.6	36.0	20.4	Complied

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / DBPSK / 1 Mbps / Port WF2**

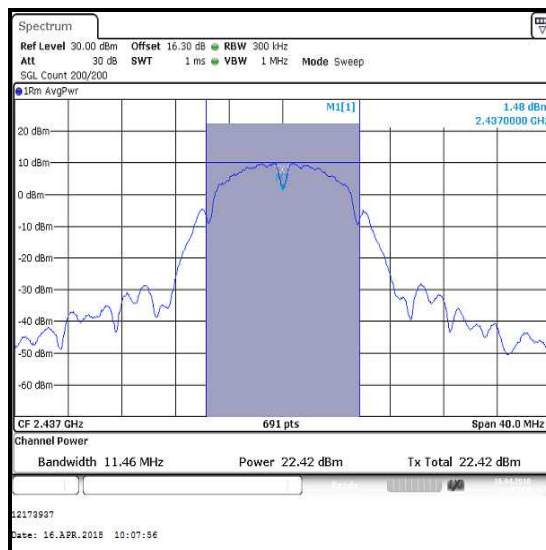
Channel 1



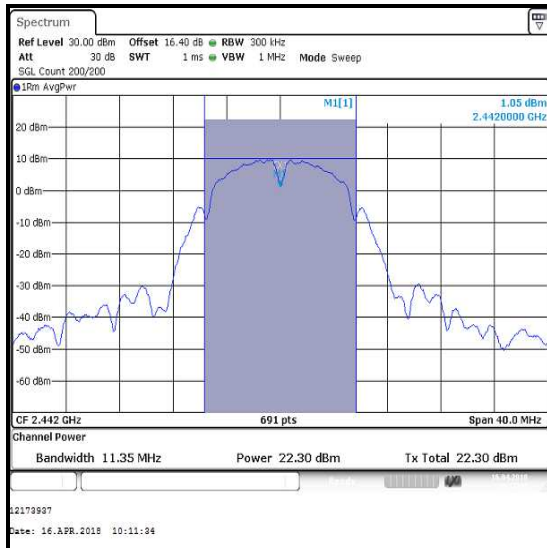
Channel 2



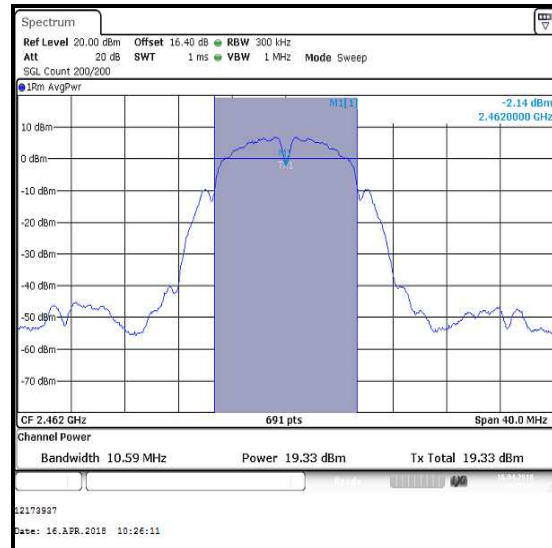
Channel 3



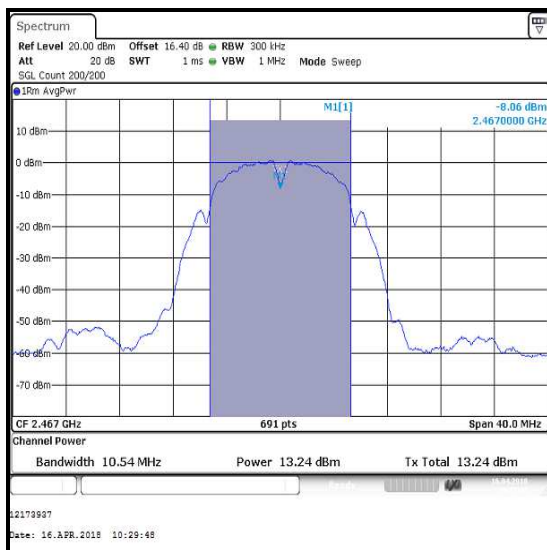
Channel 6

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / DBPSK / 1 Mbps / Port WF2**

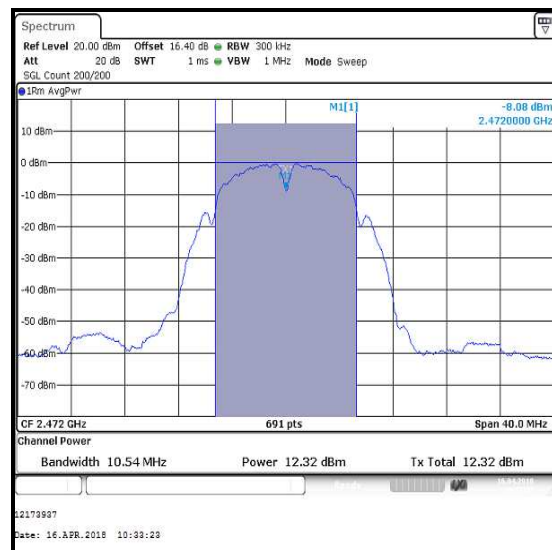
Channel 7



Channel 11



Channel 12



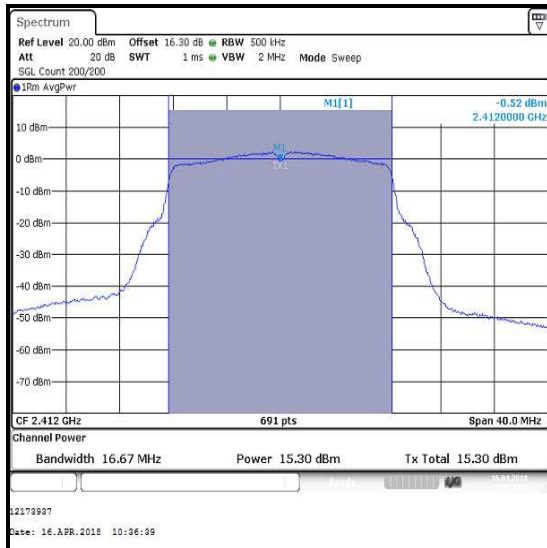
Channel 13

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11g / 20 MHz / BPSK / 6 Mbps / Port WF2****Conducted Peak Limit Comparison**

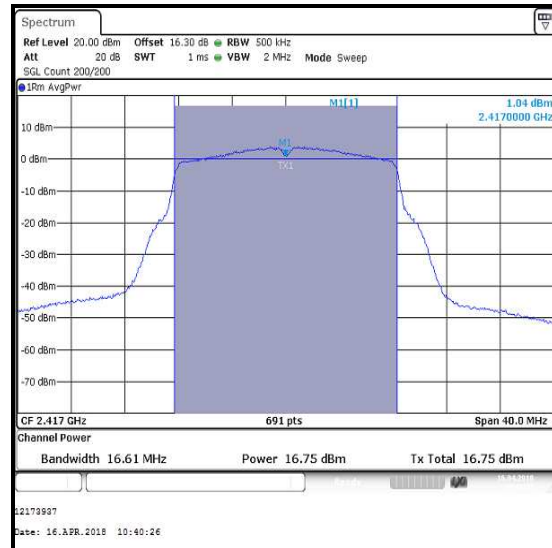
Channel	Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
1	15.3	30.0	14.7	Complied
2	16.7	30.0	13.3	Complied
3	17.4	30.0	12.6	Complied
6	22.4	30.0	7.6	Complied
7	20.5	30.0	9.5	Complied
11	14.0	30.0	16.0	Complied
12	11.1	30.0	18.9	Complied
13	2.5	30.0	27.5	Complied

EIRP Limit Comparison

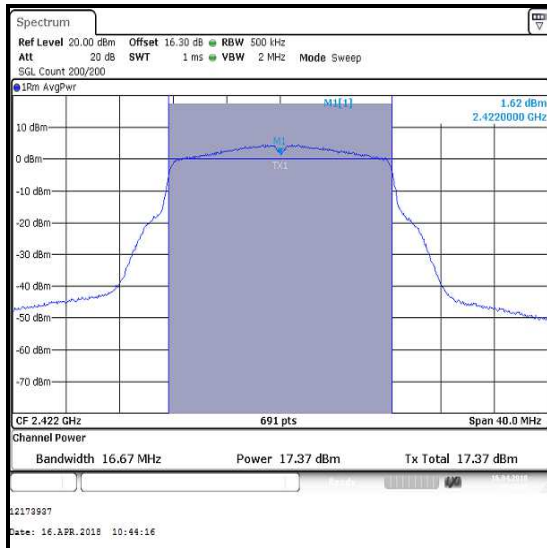
Channel	Conducted Power (dBm)	Declared Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
1	15.3	3.3	18.6	36.0	17.4	Complied
2	16.7	3.3	20.0	36.0	16.0	Complied
3	17.4	3.3	20.7	36.0	15.3	Complied
6	22.4	3.3	25.7	36.0	10.3	Complied
7	20.5	3.3	23.8	36.0	12.2	Complied
11	14.0	3.3	17.3	36.0	18.7	Complied
12	11.1	3.3	14.4	36.0	21.6	Complied
13	2.5	3.3	5.8	36.0	30.2	Complied

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11g / 20 MHz / BPSK / 6 Mbps / Port WF2**

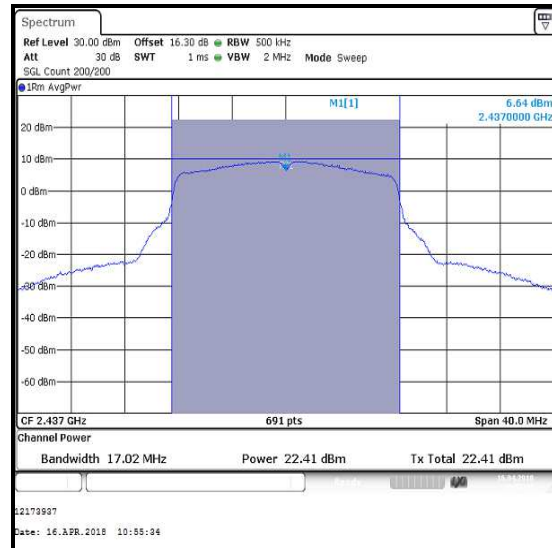
Channel 1



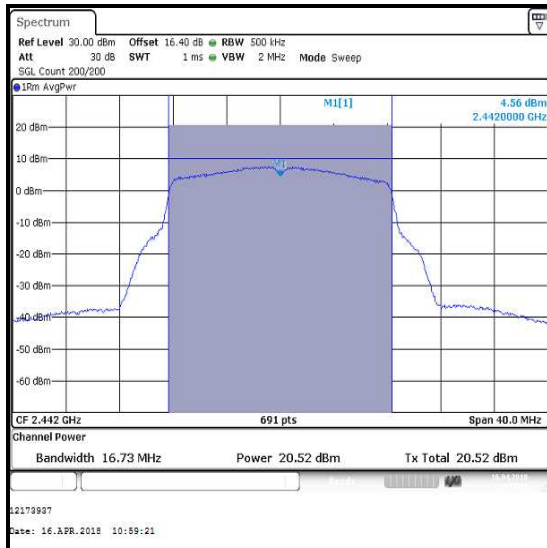
Channel 2



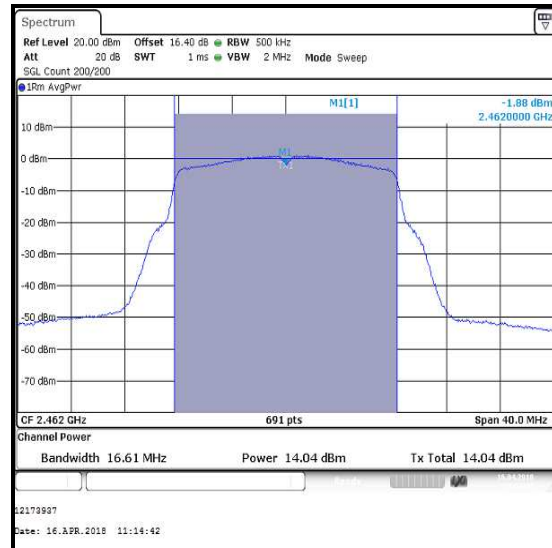
Channel 3



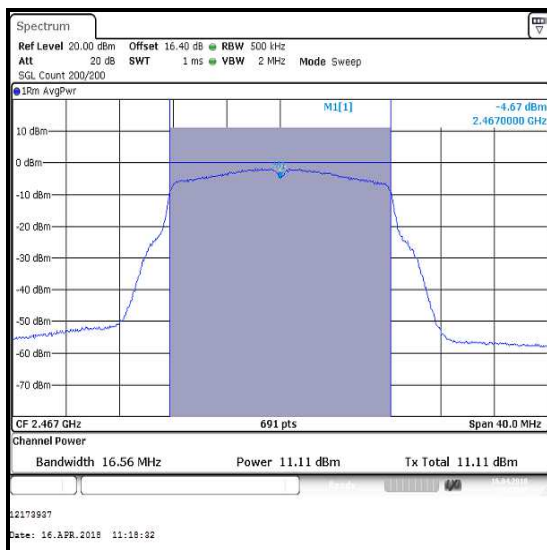
Channel 6

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11g / 20 MHz / BPSK / 6 Mbps / Port WF2**

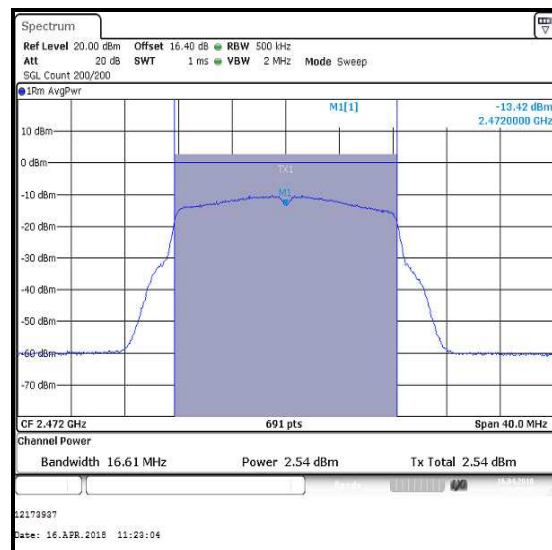
Channel 7



Channel 11



Channel 12



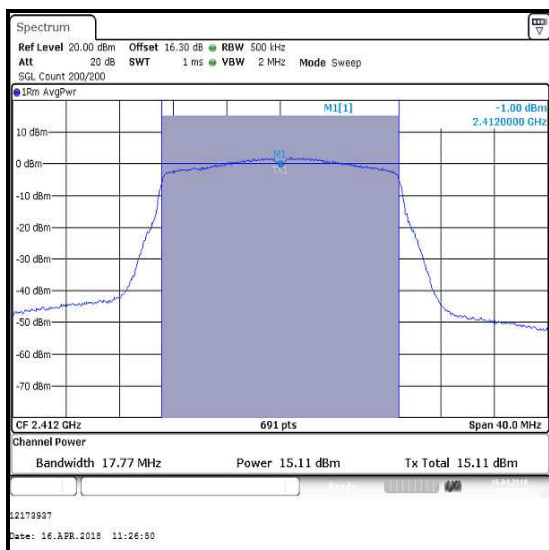
Channel 13

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / SISO / BPSK / MCS0 / Port WF2****Conducted Peak Limit Comparison**

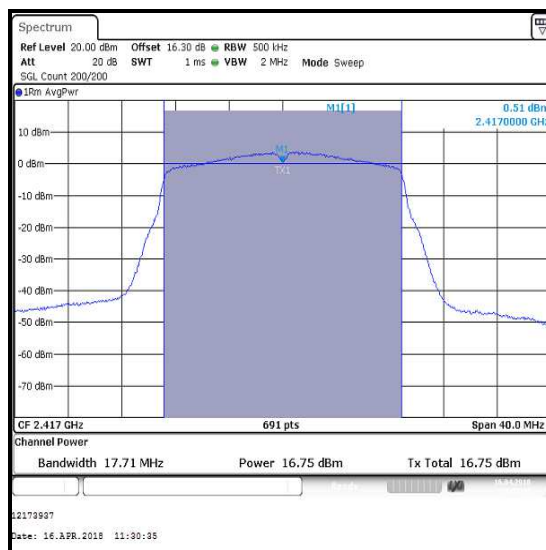
Channel	Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
1	15.1	30.0	14.9	Complied
2	16.7	30.0	13.3	Complied
3	17.1	30.0	12.9	Complied
6	22.2	30.0	7.8	Complied
7	20.3	30.0	9.7	Complied
11	14.4	30.0	15.6	Complied
12	11.3	30.0	18.7	Complied
13	2.0	30.0	28.0	Complied

EIRP Limit Comparison

Channel	Conducted Power (dBm)	Declared Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
1	15.1	3.3	18.4	36.0	17.6	Complied
2	16.7	3.3	20.0	36.0	16.0	Complied
3	17.1	3.3	20.4	36.0	15.6	Complied
6	22.2	3.3	25.5	36.0	10.5	Complied
7	20.3	3.3	23.6	36.0	12.4	Complied
11	14.4	3.3	17.7	36.0	18.3	Complied
12	11.3	3.3	14.6	36.0	21.4	Complied
13	2.0	3.3	5.3	36.0	30.7	Complied

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / SISO / BPSK / MCS0 / Port WF2**

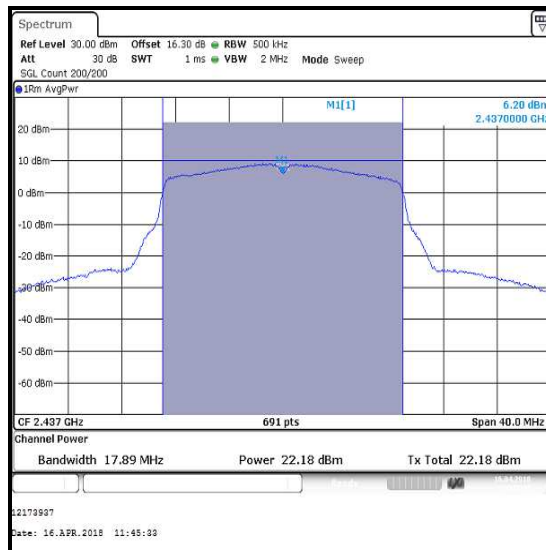
Channel 1



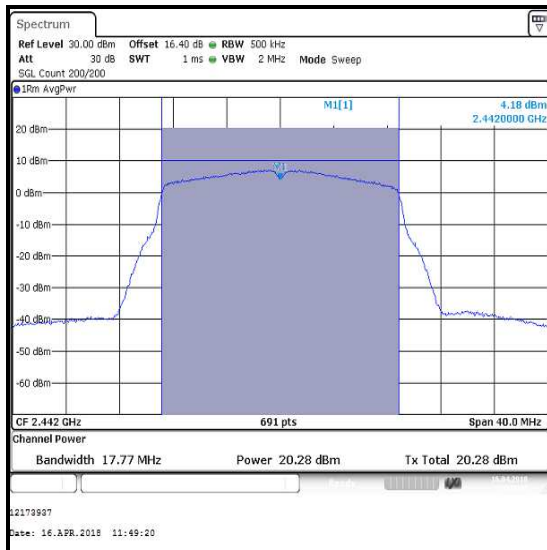
Channel 2



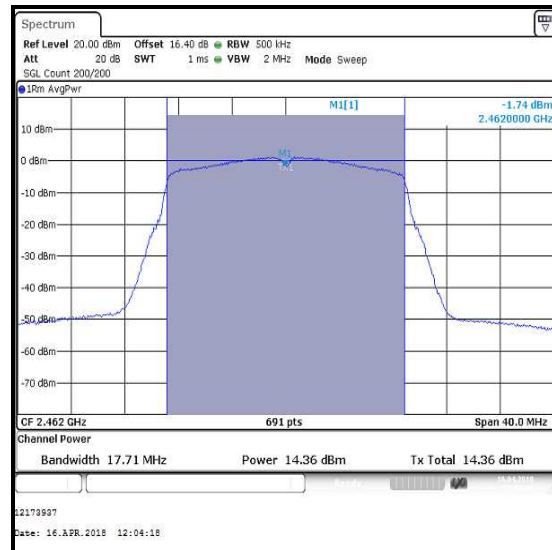
Channel 3



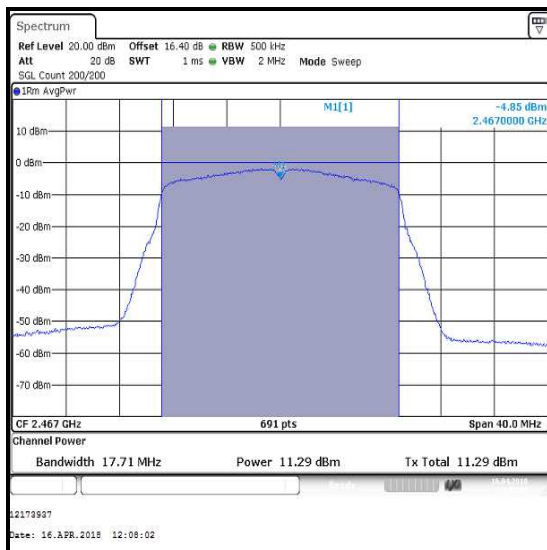
Channel 6

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / SISO / BPSK / MCS0 / Port WF2**

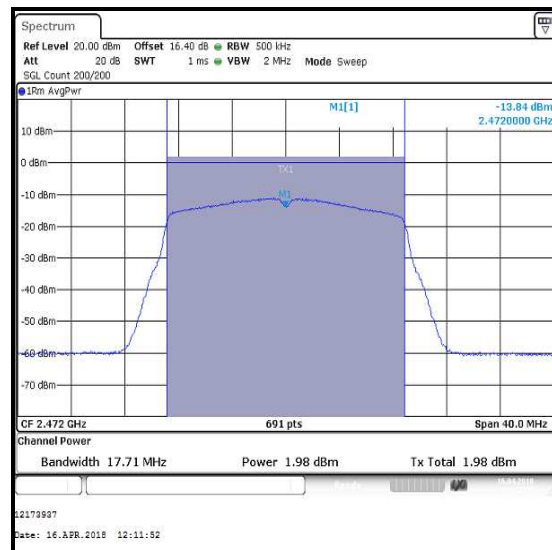
Channel 7



Channel 11



Channel 12



Channel 13

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 2Tx CDD / DBPSK / 1 Mbps****Conducted Peak Limit Comparison**

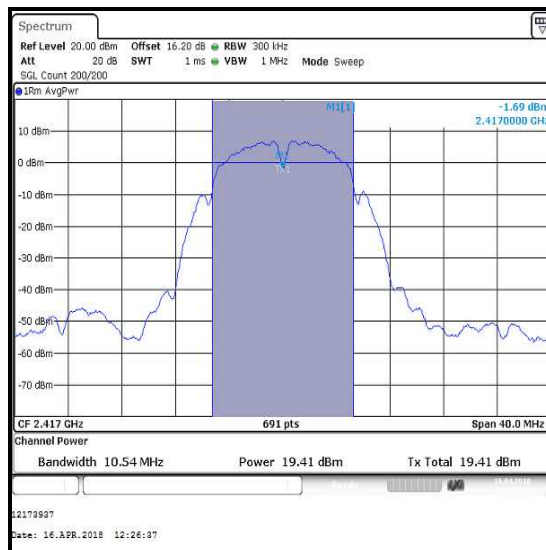
Channel	Conducted Peak Power Port WF1 (dBm)	Conducted Peak Power Port WF2 (dBm)	Combined Conducted Peak Power (dBm)	Conducted Peak Power Limit (dBm)	Margin (dB)	Result
1	19.3	19.3	22.3	30.0	7.7	Complied
2	19.4	19.5	22.5	30.0	7.5	Complied
3	20.6	20.8	23.7	30.0	6.3	Complied
6	22.2	22.2	25.2	30.0	4.8	Complied
7	22.0	22.2	25.1	30.0	4.9	Complied
11	17.2	17.1	20.2	30.0	9.8	Complied
12	13.0	13.1	16.1	30.0	13.9	Complied
13	9.8	10.2	13.0	30.0	17.0	Complied

EIRP Limit Comparison

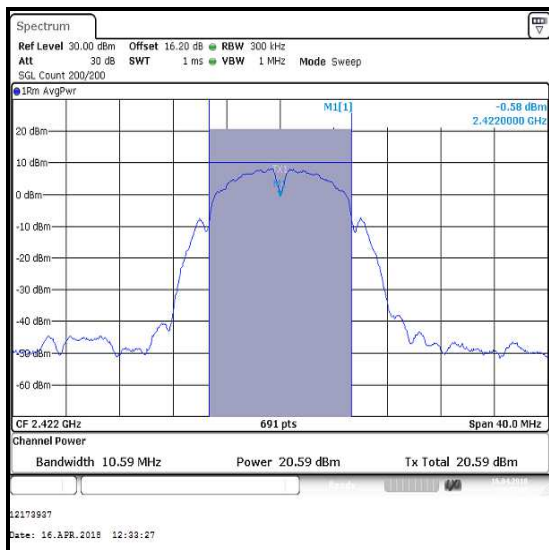
Channel	Combined Conducted Peak Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
1	22.3	5.8	28.1	36.0	7.9	Complied
2	22.5	5.8	28.3	36.0	7.7	Complied
3	23.7	5.8	29.5	36.0	6.5	Complied
6	25.2	5.8	31.0	36.0	5.0	Complied
7	25.1	5.8	30.9	36.0	5.1	Complied
11	20.2	5.8	26.0	36.0	10.0	Complied
12	16.1	5.8	21.9	36.0	14.1	Complied
13	13.0	5.8	18.8	36.0	17.2	Complied

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 2Tx CDD / DBPSK / 1 Mbps / Port WF1**

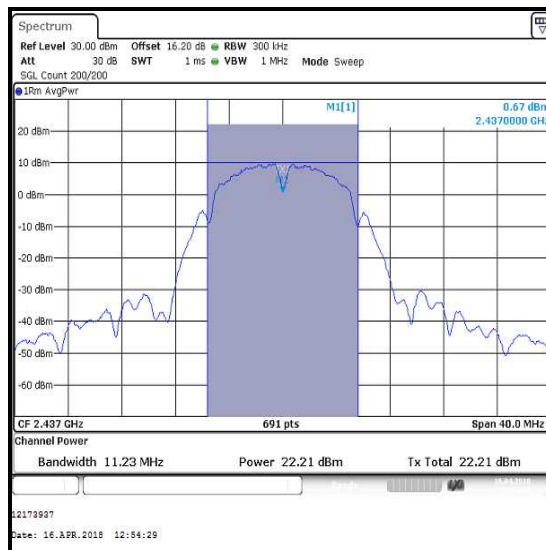
Channel 1



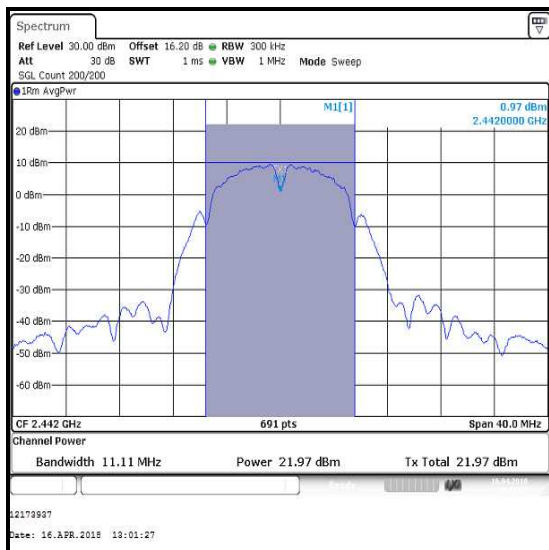
Channel 2



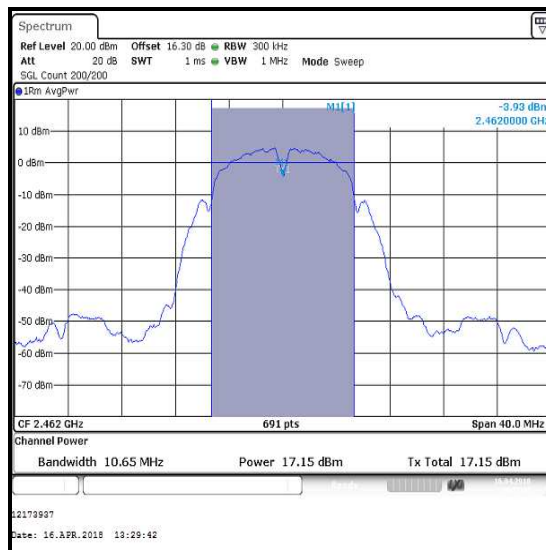
Channel 3



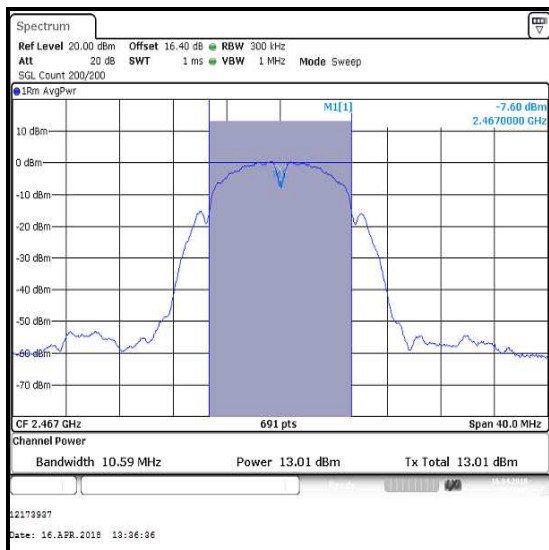
Channel 6

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 2Tx CDD / DBPSK / 1 Mbps / Port WF1**

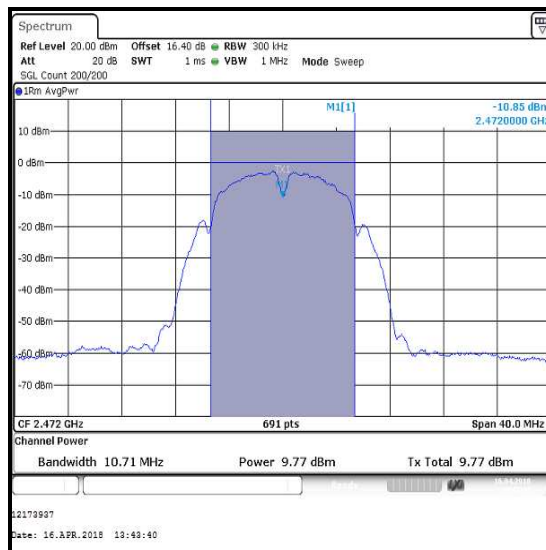
Channel 7



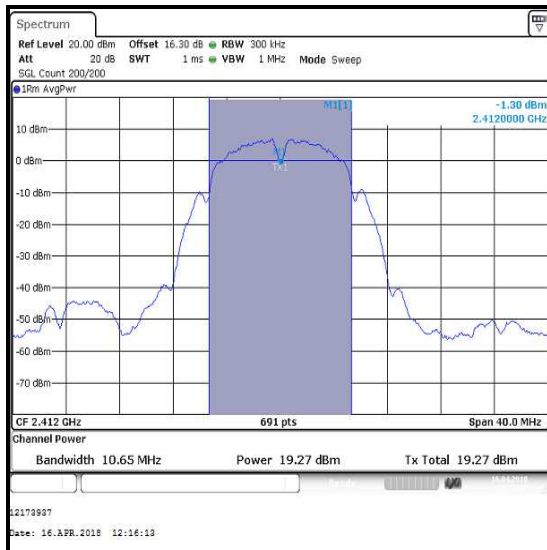
Channel 11



Channel 12



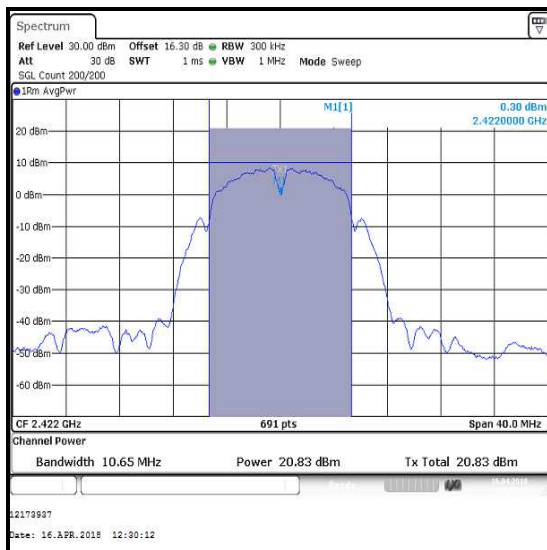
Channel 13

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 2Tx CDD / DBPSK / 1 Mbps / Port WF2**

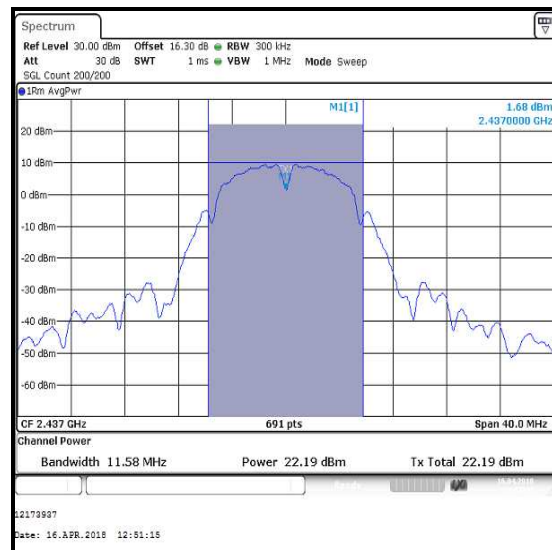
Channel 1



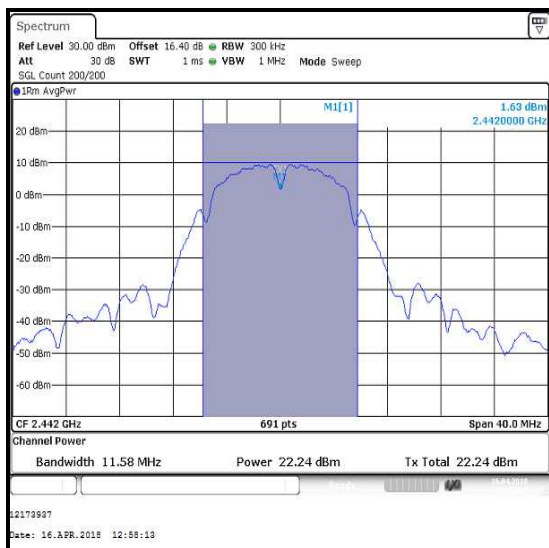
Channel 2



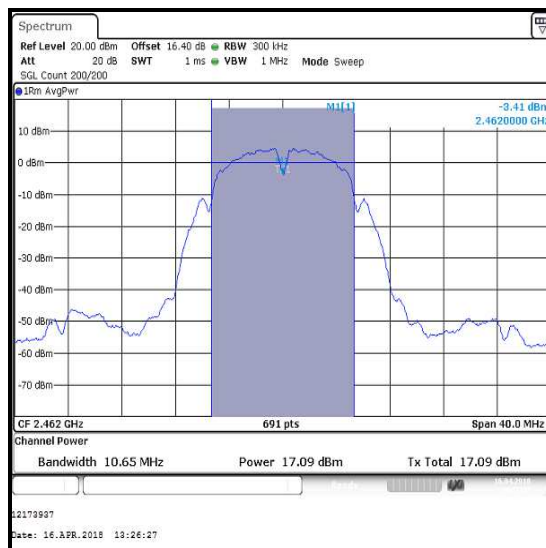
Channel 3



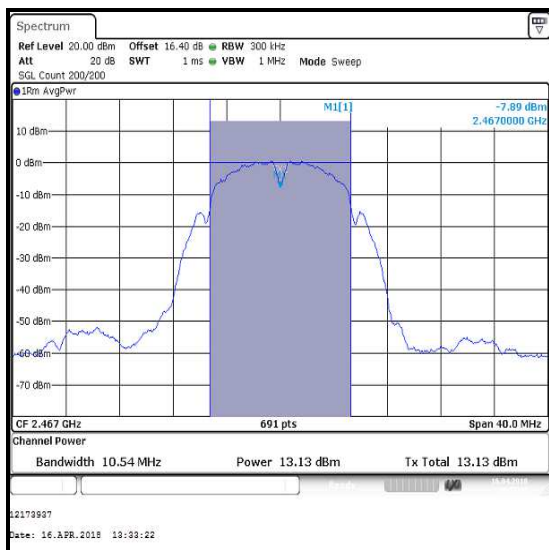
Channel 6

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 2Tx CDD / DBPSK / 1 Mbps / Port WF2**

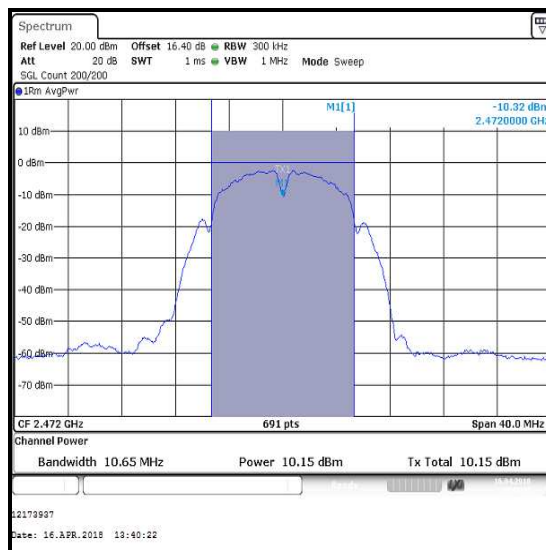
Channel 7



Channel 11



Channel 12



Channel 13

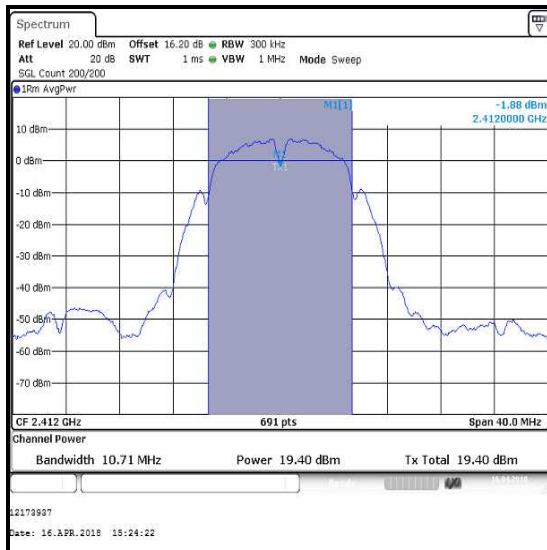
Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 3Tx CDD / DBPSK / 1 Mbps****Conducted Peak Limit Comparison**

Channel	Conducted Peak Power Port WF1 (dBm)	Conducted Peak Power Port WF2 (dBm)	Conducted Peak Power Port WF3 (dBm)
1	19.4	19.4	19.2
2	19.5	19.4	19.2
3	19.3	19.6	19.3
6	20.2	20.4	20.3
7	19.8	20.1	19.7
11	16.6	17.2	17.1
12	13.1	13.3	13.0
13	8.9	9.1	8.9

Channel	Combined Conducted Peak Power (dBm)	Conducted Peak Power Limit (dBm)	Margin (dB)	Result
1	24.1	28.7	4.6	Complied
2	24.1	28.7	4.6	Complied
3	24.2	28.7	4.5	Complied
6	25.1	28.7	3.6	Complied
7	24.6	28.7	4.1	Complied
11	21.7	28.7	7.0	Complied
12	17.9	28.7	10.8	Complied
13	13.7	28.7	15.0	Complied

EIRP Limit Comparison

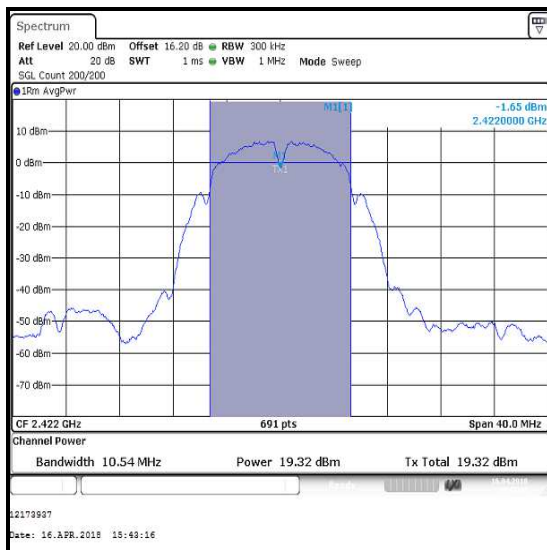
Channel	Combined Conducted Peak Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
1	24.1	7.3	31.4	36.0	4.6	Complied
2	24.1	7.3	31.4	36.0	4.6	Complied
3	24.2	7.3	31.5	36.0	4.5	Complied
6	25.1	7.3	32.4	36.0	3.6	Complied
7	24.6	7.3	31.9	36.0	4.1	Complied
11	21.7	7.3	29.0	36.0	7.0	Complied
12	17.9	7.3	25.2	36.0	10.8	Complied
13	13.7	7.3	21.0	36.0	15.0	Complied

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 3Tx CDD / DBPSK / 1 Mbps / Port WF1**

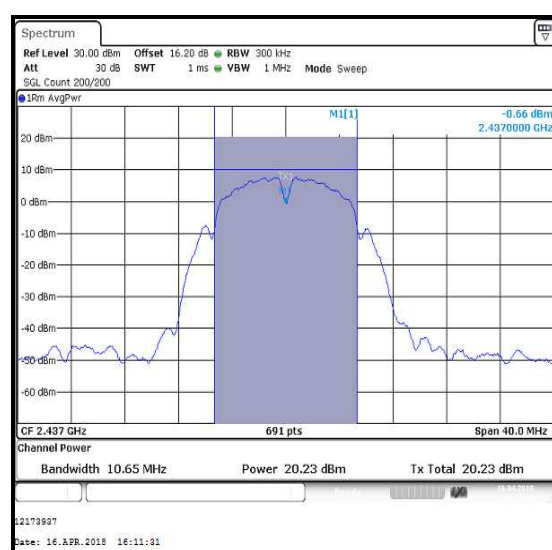
Channel 1



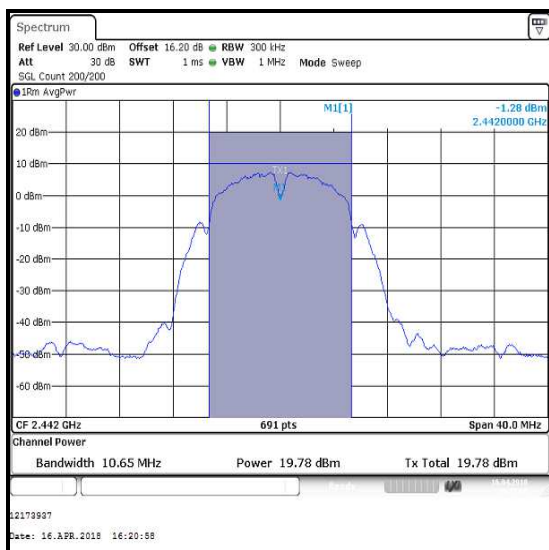
Channel 2



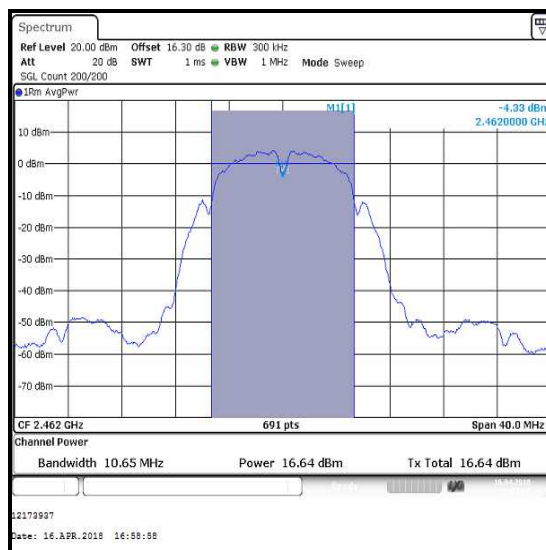
Channel 3



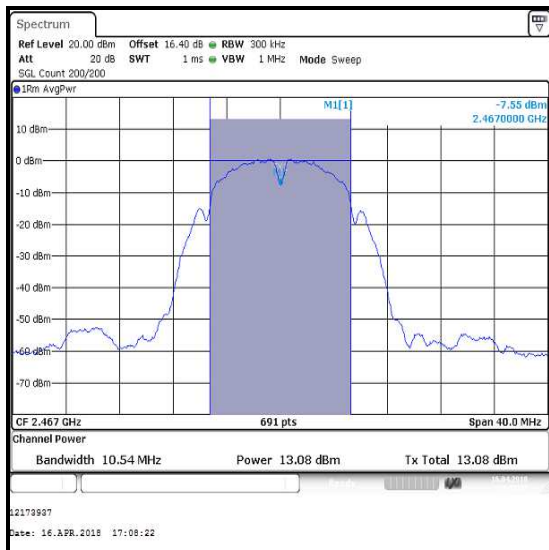
Channel 6

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 3Tx CDD / DBPSK / 1 Mbps / Port WF1**

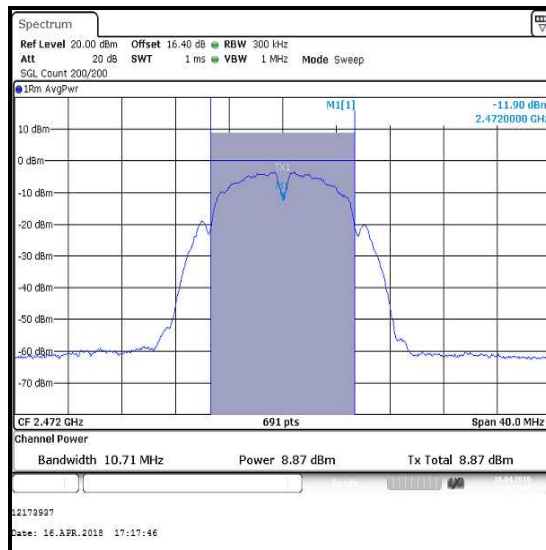
Channel 7



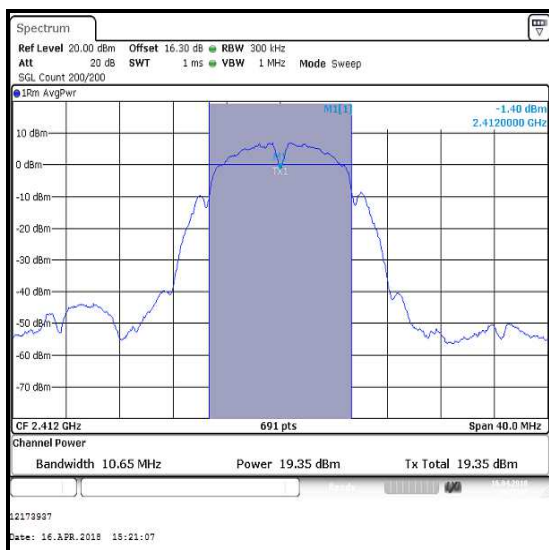
Channel 11



Channel 12



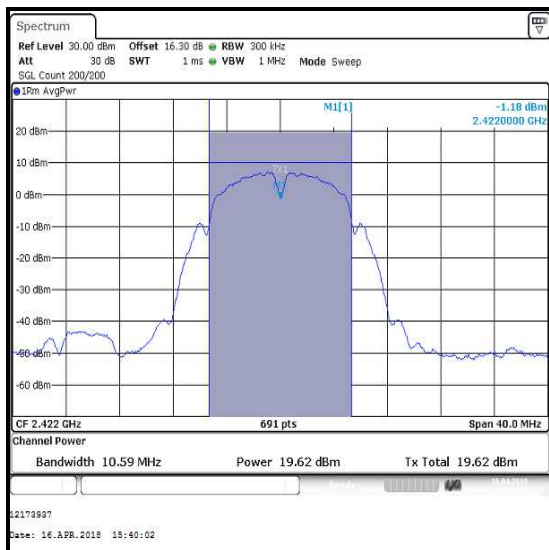
Channel 13

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 3Tx CDD / DBPSK / 1 Mbps / Port WF2**

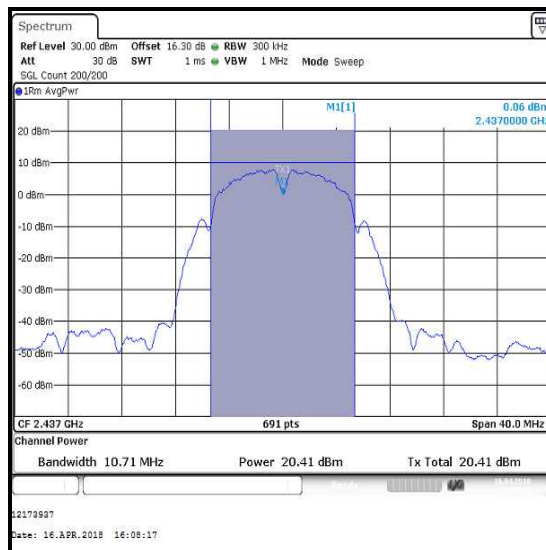
Channel 1



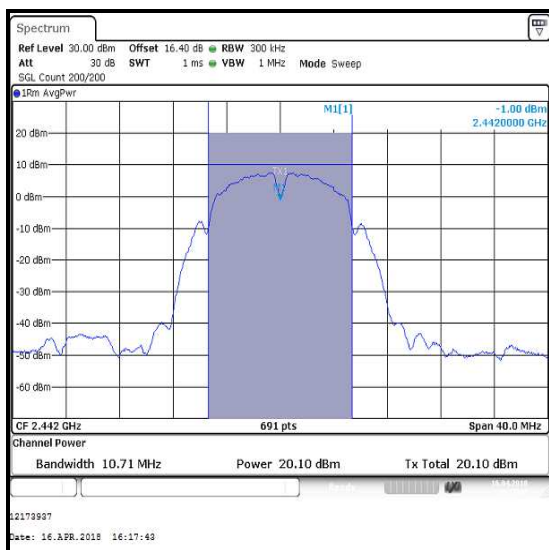
Channel 2



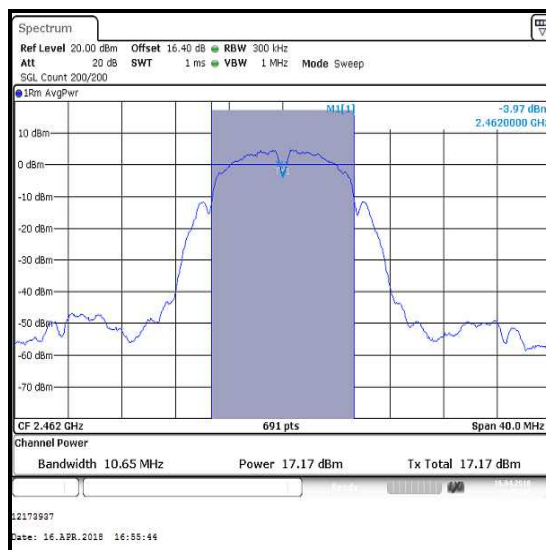
Channel 3



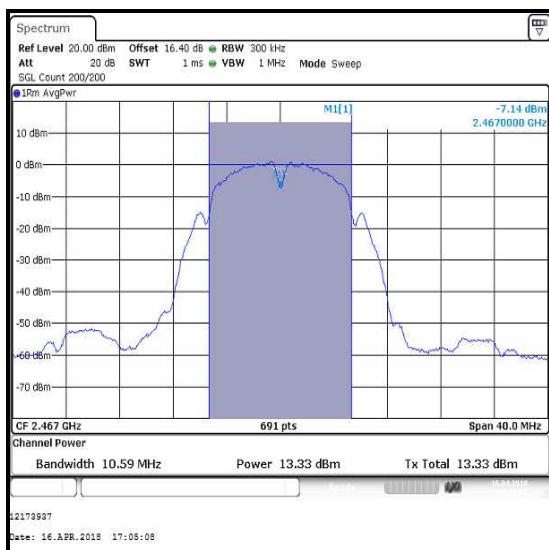
Channel 6

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 3Tx CDD / DBPSK / 1 Mbps / Port WF2**

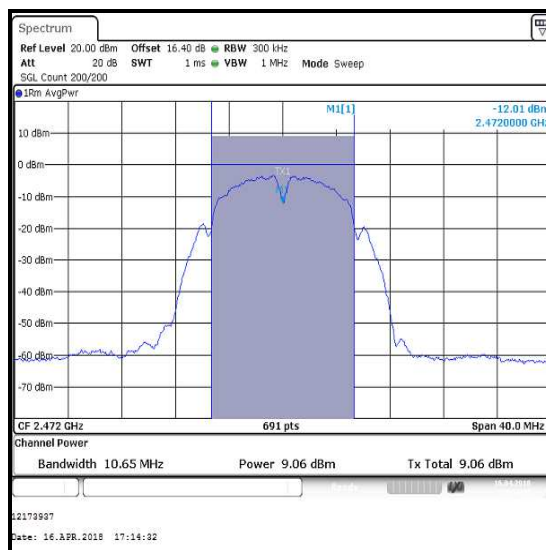
Channel 7



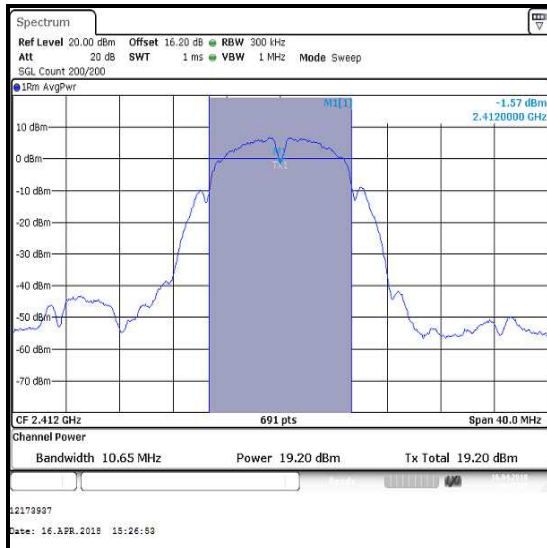
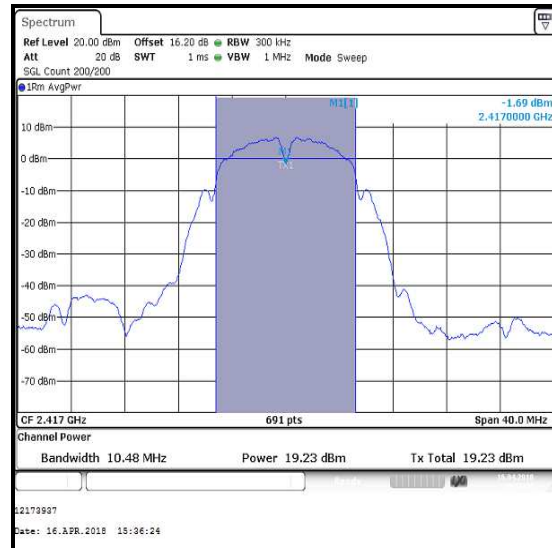
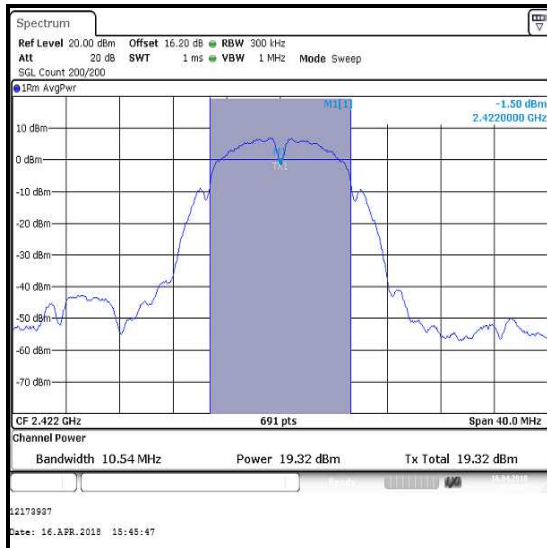
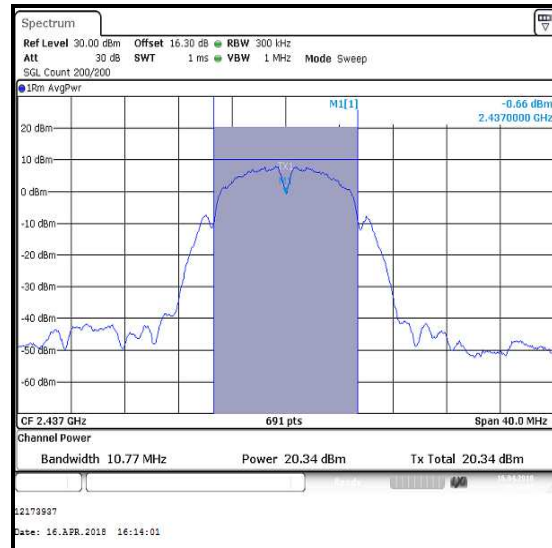
Channel 11

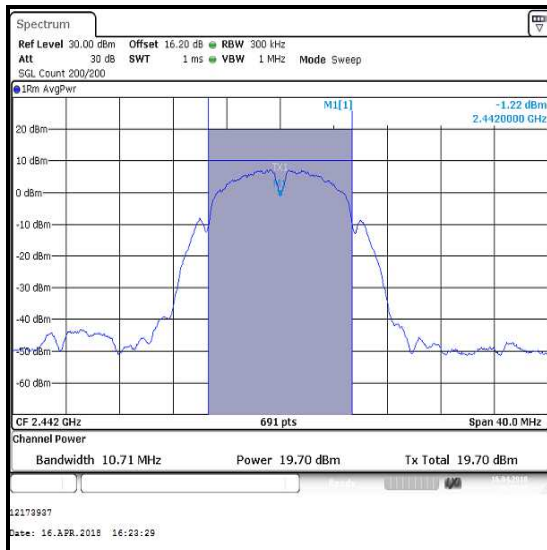
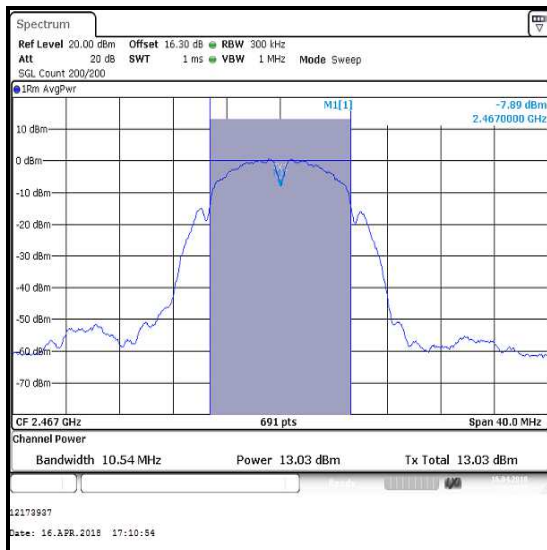
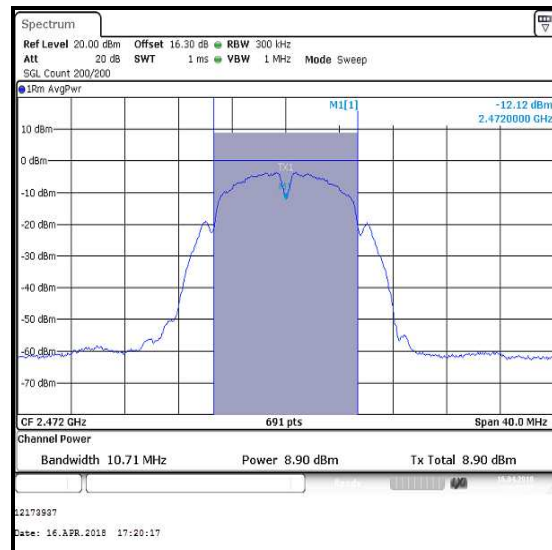


Channel 12



Channel 13

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 3Tx CDD / DBPSK / 1 Mbps / Port WF3****Channel 1****Channel 2****Channel 3****Channel 6**

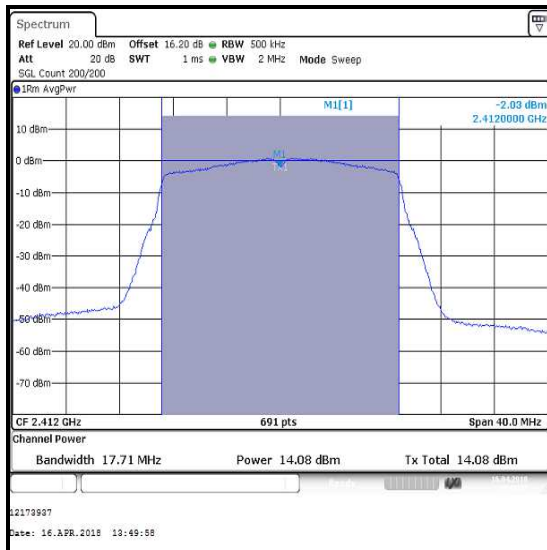
Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / MIMO / 3Tx CDD / DBPSK / 1 Mbps / Port WF3****Channel 7****Channel 11****Channel 12****Channel 13**

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / MIMO / 2Tx CDD / BPSK / MCS0****Conducted Peak Limit Comparison**

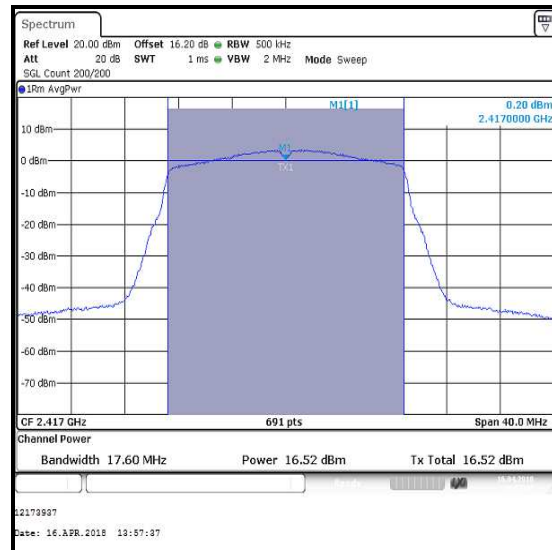
Channel	Conducted Peak Power Port WF1 (dBm)	Conducted Peak Power Port WF2 (dBm)	Combined Conducted Peak Power (dBm)	Conducted Peak Power Limit (dBm)	Margin (dB)	Result
1	14.1	14.2	17.2	30.0	12.8	Complied
2	16.5	16.9	19.7	30.0	10.3	Complied
3	17.2	17.2	20.2	30.0	9.8	Complied
6	22.0	22.3	25.2	30.0	4.8	Complied
7	19.8	20.4	23.1	30.0	6.9	Complied
11	11.6	12.2	14.9	30.0	15.1	Complied
12	10.0	10.2	13.1	30.0	16.9	Complied
13	-1.0	-0.8	2.1	30.0	27.9	Complied

EIRP Limit Comparison

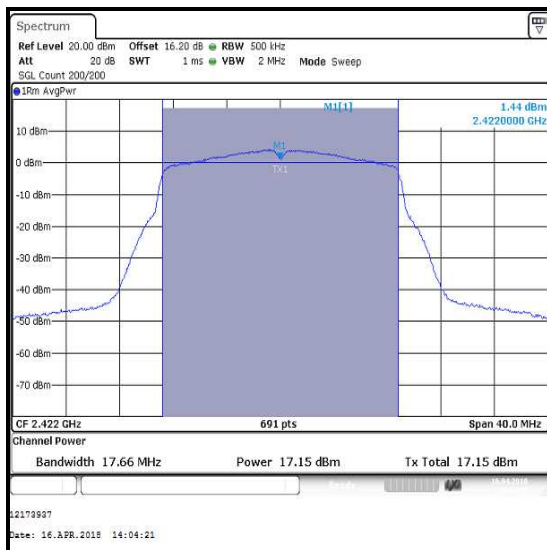
Channel	Combined Conducted Peak Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
1	17.2	5.8	23.0	36.0	13.0	Complied
2	19.7	5.8	25.5	36.0	10.5	Complied
3	20.2	5.8	26.0	36.0	10.0	Complied
6	25.2	5.8	31.0	36.0	5.0	Complied
7	23.1	5.8	28.9	36.0	7.1	Complied
11	14.9	5.8	20.7	36.0	15.3	Complied
12	13.1	5.8	18.9	36.0	17.1	Complied
13	2.1	5.8	7.9	36.0	28.1	Complied

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / MIMO / 2Tx CDD / BPSK / MCS0 / Port WF1**

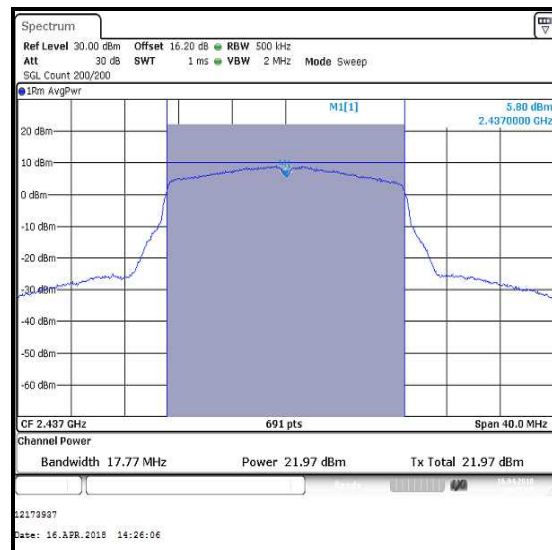
Channel 1



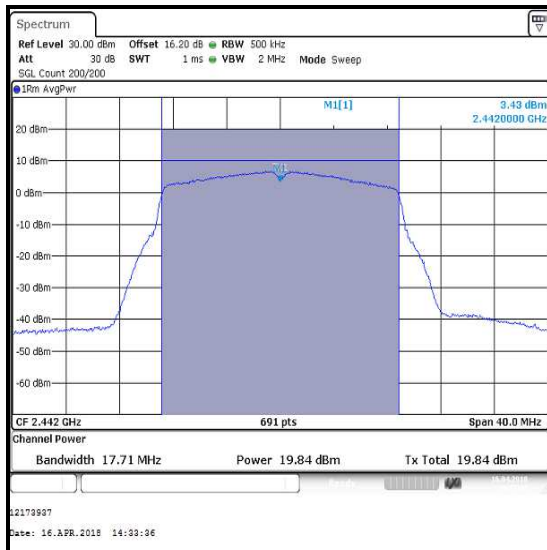
Channel 2



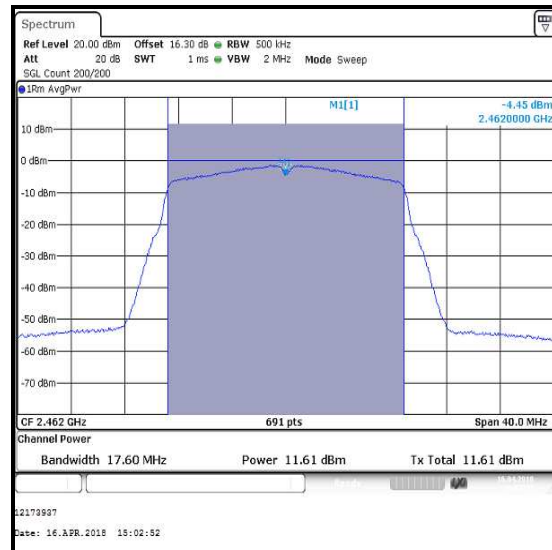
Channel 3



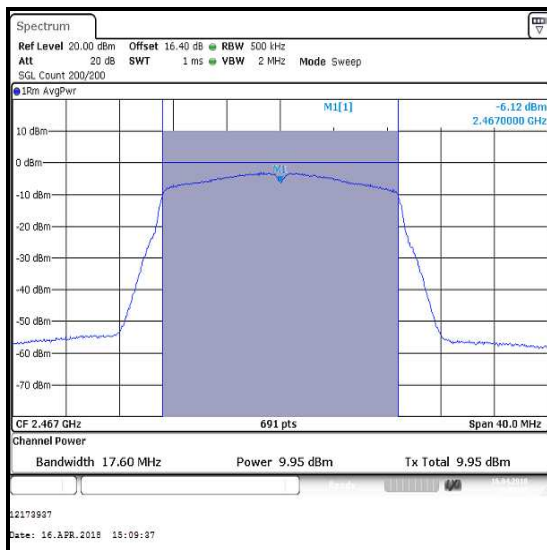
Channel 6

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / MIMO / 2Tx CDD / BPSK / MCS0 / Port WF1**

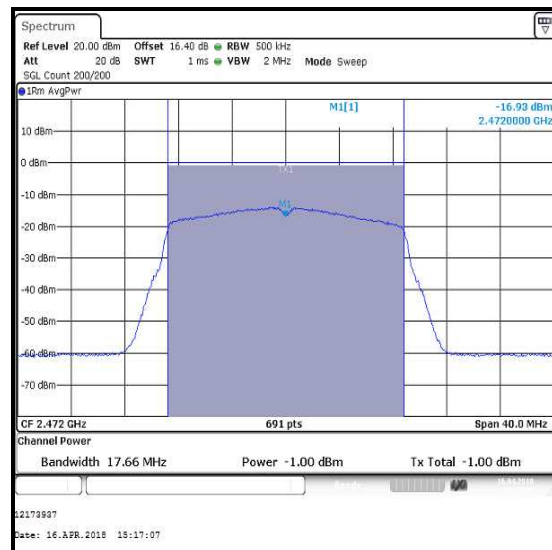
Channel 7



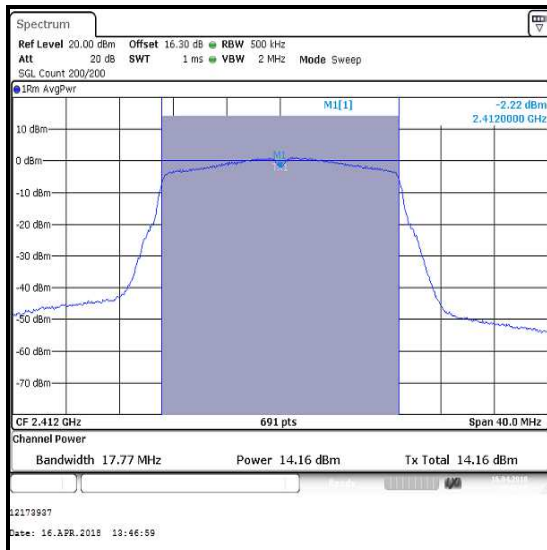
Channel 11



Channel 12



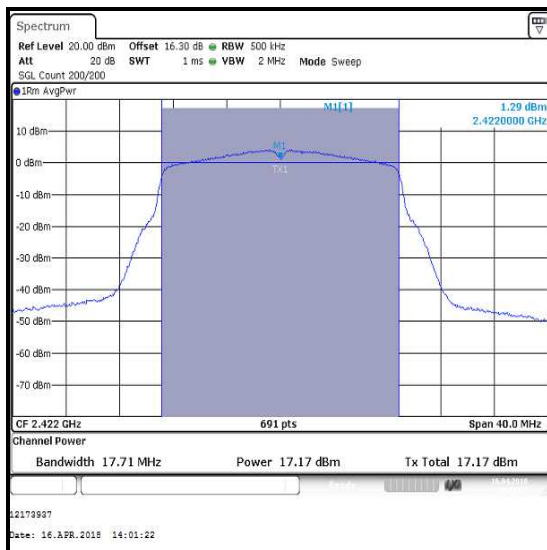
Channel 13

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / MIMO / 2Tx CDD / BPSK / MCS0 / Port WF2**

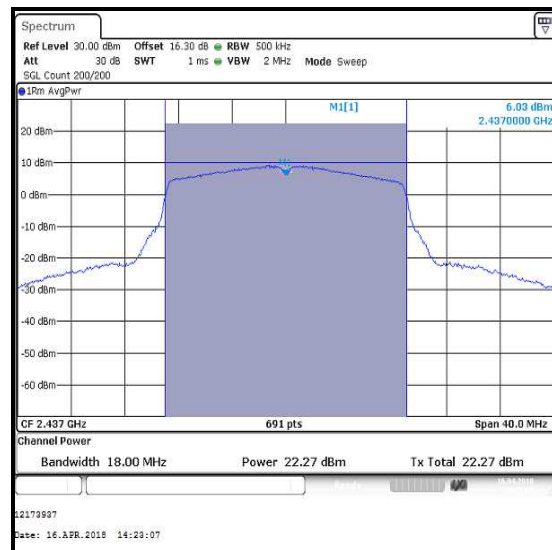
Channel 1



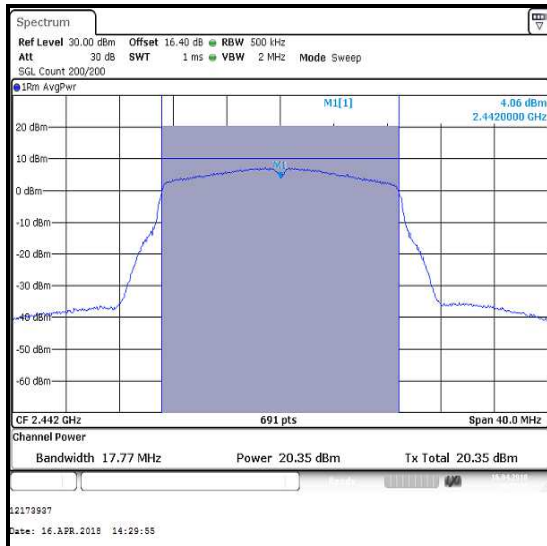
Channel 2



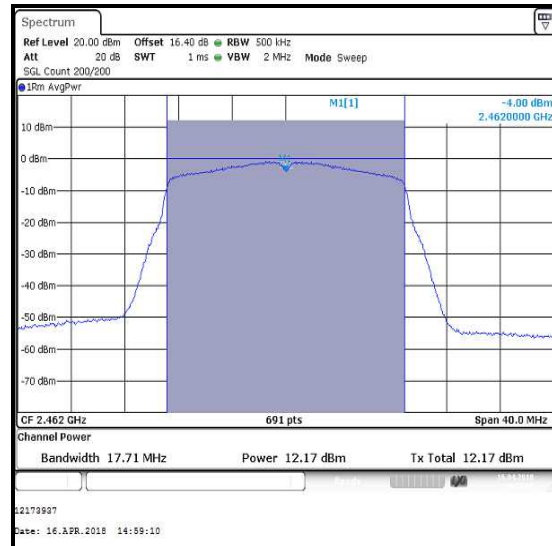
Channel 3



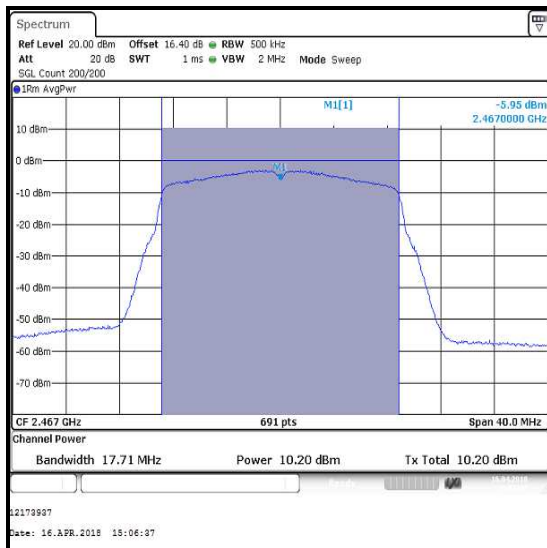
Channel 6

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / MIMO / 2Tx CDD / BPSK / MCS0 / Port WF2**

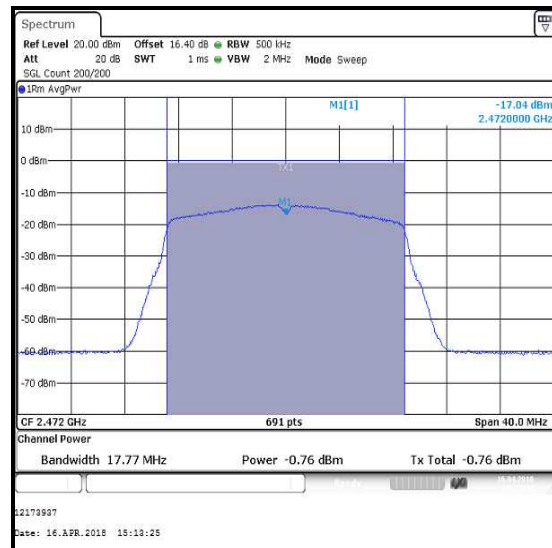
Channel 7



Channel 11



Channel 12



Channel 13

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / BPSK / MCS0****Conducted Peak Limit Comparison**

Channel	Conducted Peak Power Port WF1 (dBm)	Conducted Peak Power Port WF2 (dBm)	Conducted Peak Power Port WF3 (dBm)
1	13.5	13.7	13.2
2	15.6	15.7	15.4
3	16.2	16.1	15.8
6	18.8	19.3	18.9
7	18.9	19.3	18.8
11	11.3	11.7	11.4
12	10.1	10.3	10.1
13	-2.0	-1.5	-2.2

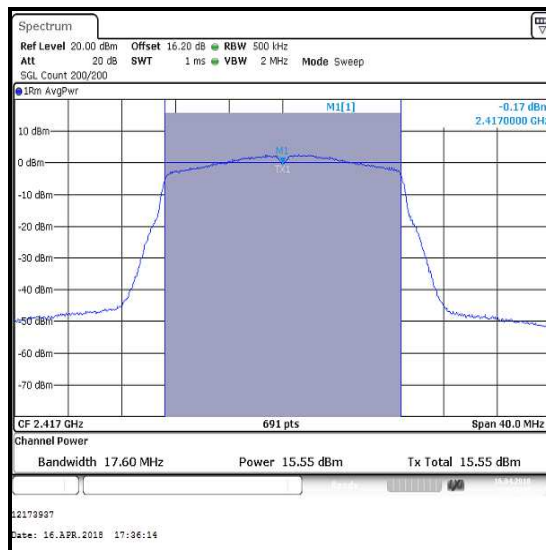
Channel	Combined Conducted Peak Power (dBm)	Conducted Peak Power Limit (dBm)	Margin (dB)	Result
1	18.2	28.7	10.5	Complied
2	20.3	28.7	8.4	Complied
3	20.8	28.7	7.9	Complied
6	23.8	28.7	4.9	Complied
7	23.8	28.7	4.9	Complied
11	16.2	28.7	12.5	Complied
12	14.9	28.7	13.8	Complied
13	2.9	28.7	25.8	Complied

EIRP Limit Comparison

Channel	Combined Conducted Peak Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
1	18.2	7.3	25.5	36.0	10.5	Complied
2	20.3	7.3	27.6	36.0	8.4	Complied
3	20.8	7.3	28.1	36.0	7.9	Complied
6	23.8	7.3	31.1	36.0	4.9	Complied
7	23.8	7.3	31.1	36.0	4.9	Complied
11	16.2	7.3	23.5	36.0	12.5	Complied
12	14.9	7.3	22.2	36.0	13.8	Complied
13	2.9	7.3	10.2	36.0	25.8	Complied

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / BPSK / MCS0 / Port WF1**

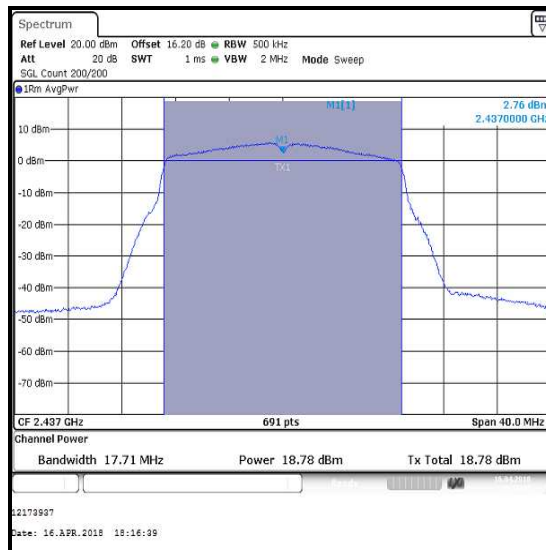
Channel 1



Channel 2



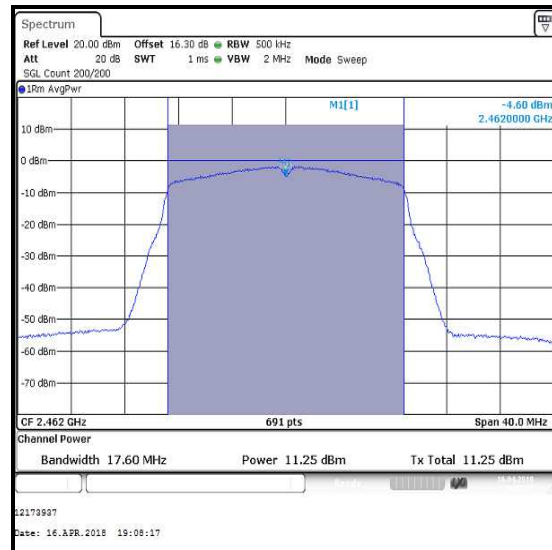
Channel 3



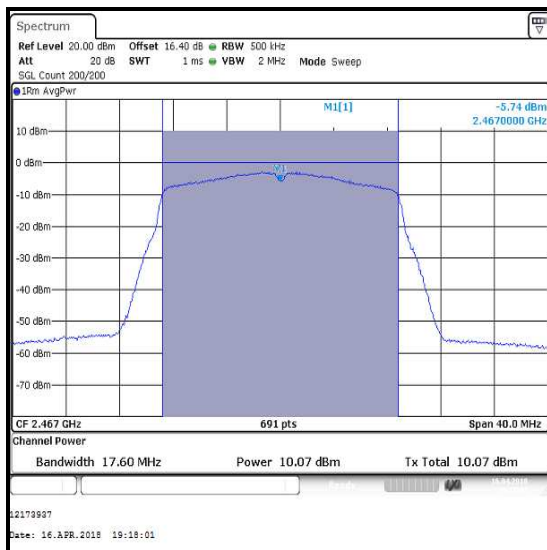
Channel 6

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / BPSK / MCS0 / Port WF1**

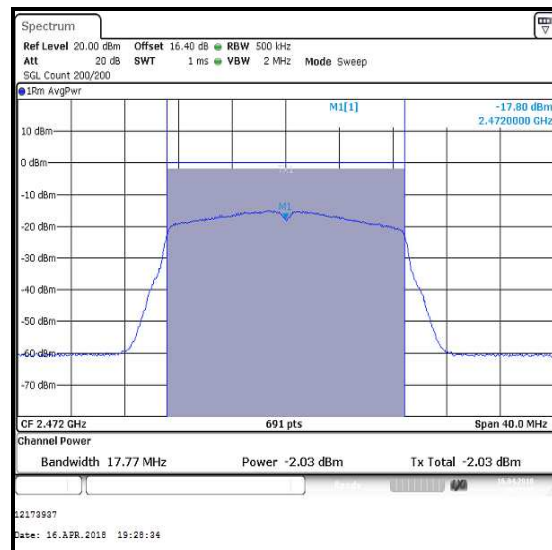
Channel 7



Channel 11



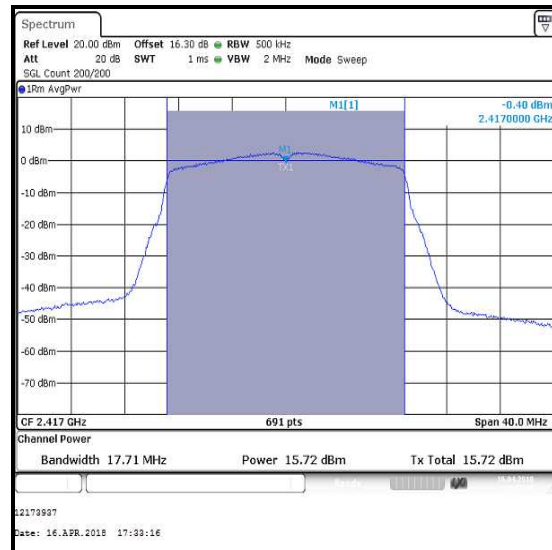
Channel 12



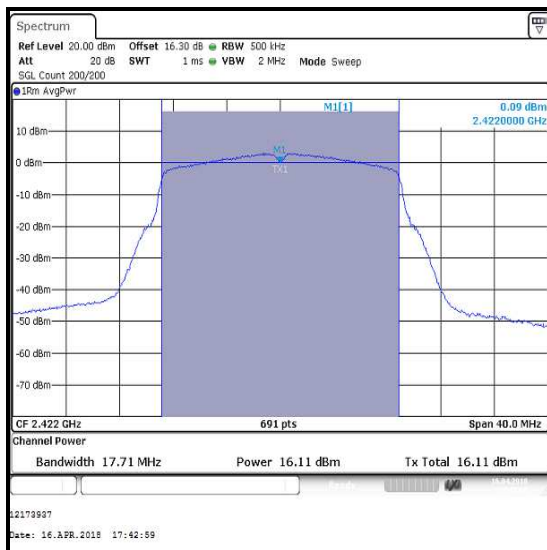
Channel 13

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / BPSK / MCS0 / Port WF2**

Channel 1



Channel 2



Channel 3



Channel 6