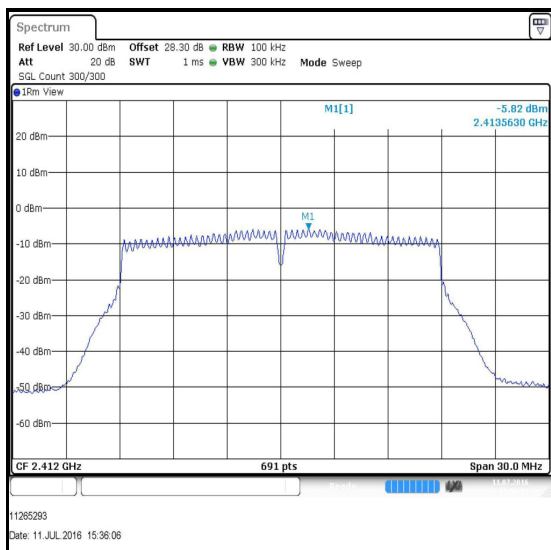
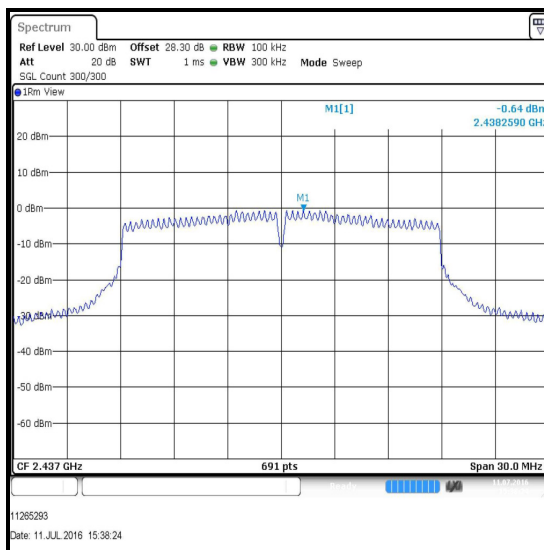


Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / SISO**

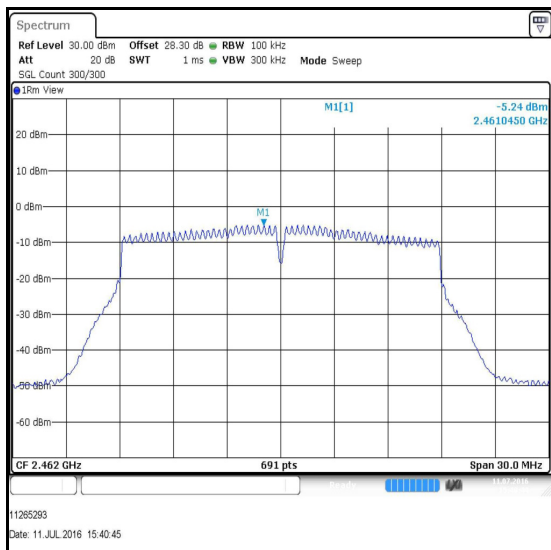
Channel	PSD (dBm / 100 kHz)	Limit (dBm/3kHz)	Margin (dB)	Result
1	-5.8	8.0	13.8	Complied
6	-0.6	8.0	8.6	Complied
11	-5.2	8.0	13.2	Complied
12	-8.1	8.0	16.1	Complied
13	-17.7	8.0	25.7	Complied



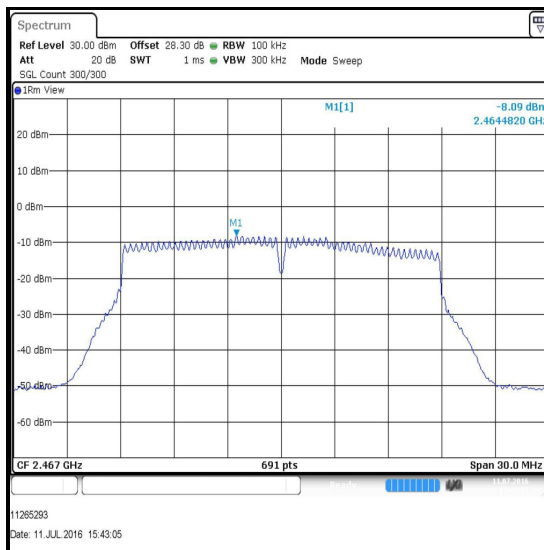
Channel 1



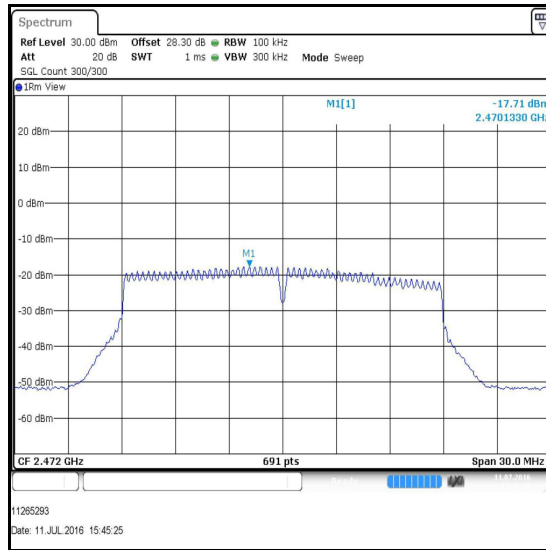
Channel 6



Channel 11



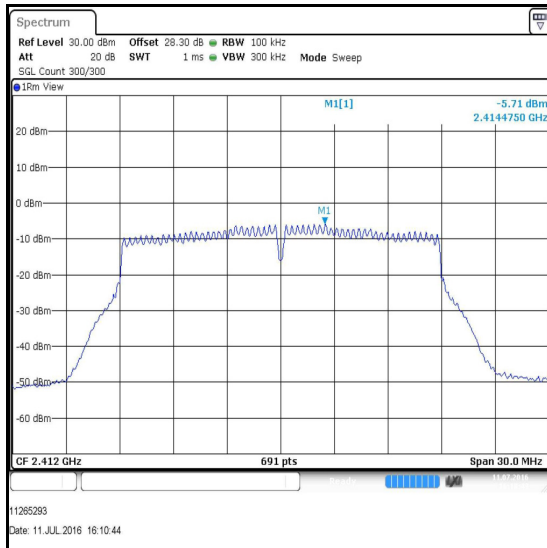
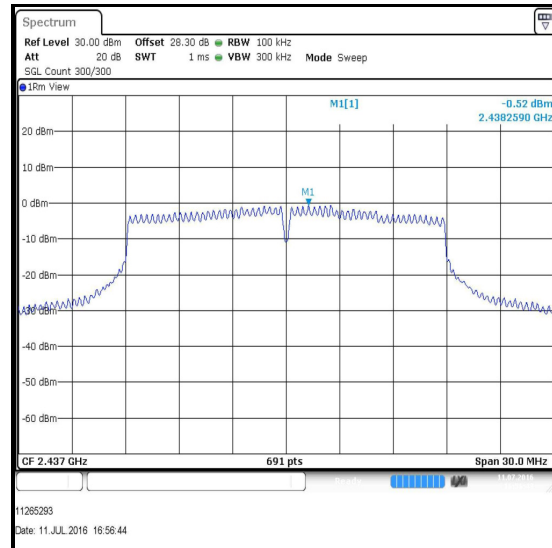
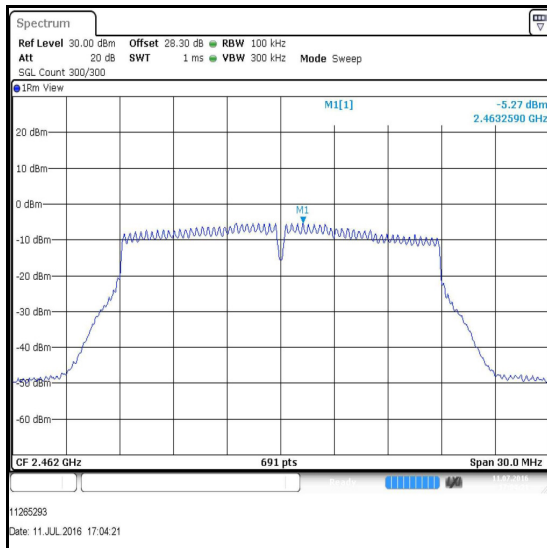
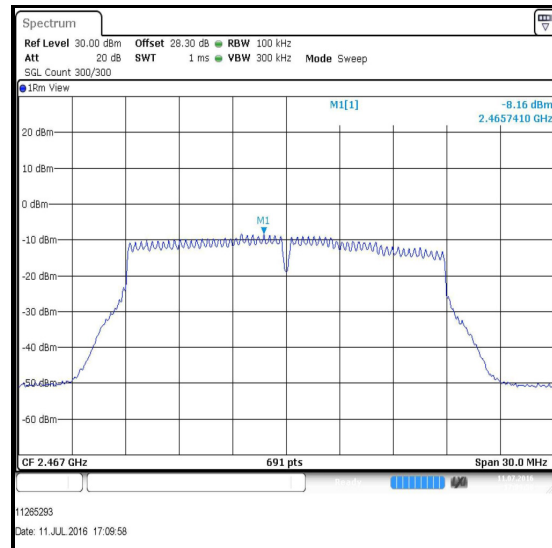
Channel 12

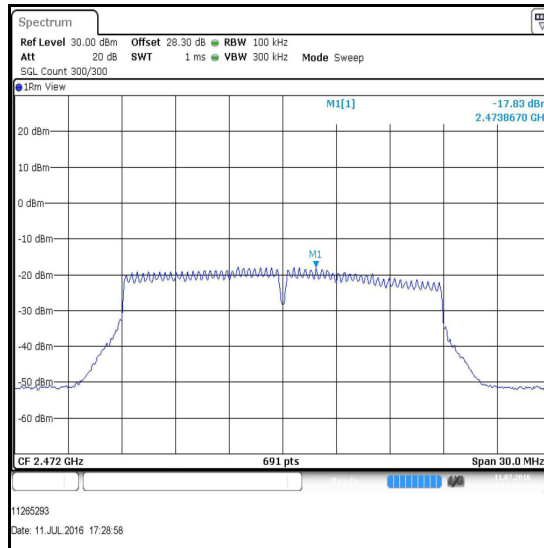
Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / SISO****Channel 13**

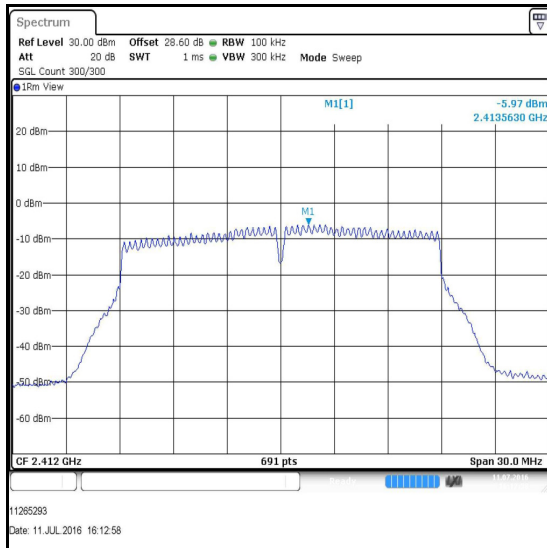
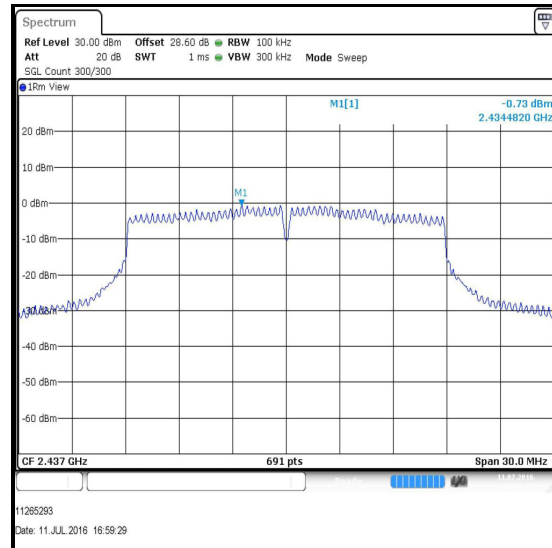
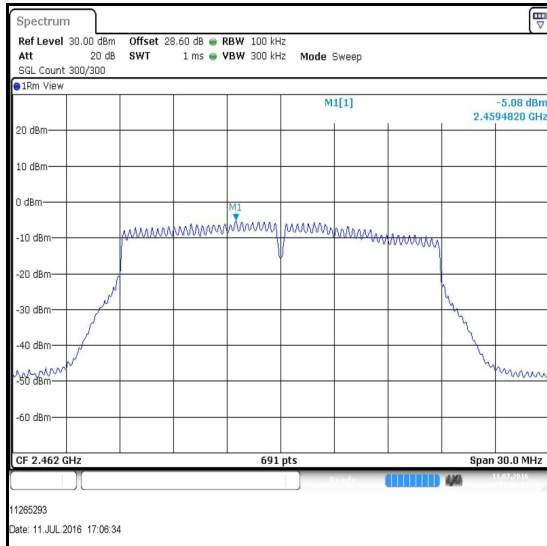
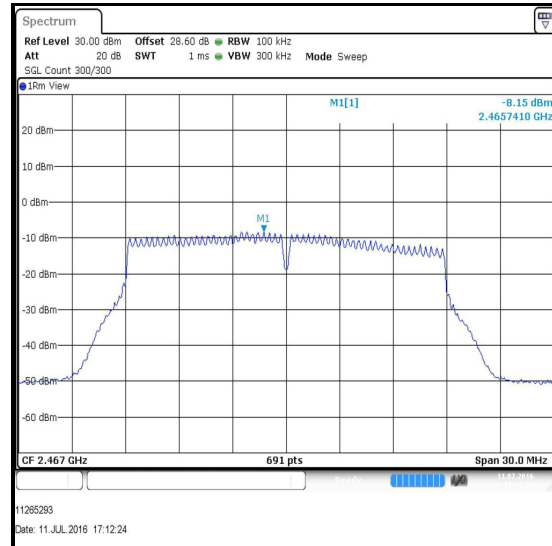
Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / MIMO**

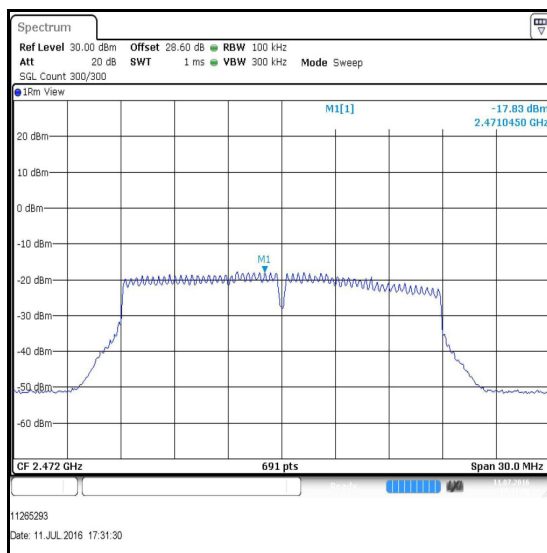
Channel	PSD at Port 1 (dBm / 100 kHz)	PSD at Port 2 (dBm / 100 kHz)	Combined PSD (dBm / 100 kHz)
1	-5.7	-6.0	-2.8
6	-0.5	-0.7	2.4
11	-5.3	-5.1	-2.2
12	-8.2	-8.1	-5.1
13	-17.8	-17.8	-14.8

Channel	Combined PSD (dBm / 100 kHz)	PSD Limit (dBm / 3 kHz)	Margin (dB)	Result
1	-2.8	8.0	10.8	Complied
6	2.4	8.0	5.6	Complied
11	-2.2	8.0	10.2	Complied
12	-5.1	8.0	13.1	Complied
13	-14.8	8.0	22.8	Complied

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / MIMO / Port 1****Channel 1****Channel 6****Channel 11****Channel 12**

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / MIMO / Port 1****Channel 13**

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / MIMO / Port 2****Channel 1****Channel 6****Channel 11****Channel 12**

Transmitter Power Spectral Density (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / MIMO / Port 2****Channel 13****Test Equipment Used:**

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M1659	Thermohygrometer	JM Handelspunkt	30.5015.13	None stated	02 Apr 2017	12
M1835	Signal Analyser	Rohde & Schwarz	FSV30	103050	27 Feb 2017	12
M1867	Attenuator	Huber + Suhner AG	6820.17.B	07101	Calibrated before use	-
A2847	Attenuator	Radiall	R411.820.121	24671450	Calibrated before use	-
A2345	Attenuator	Macom	2082-6043-20	None stated	Calibrated before use	-
A2952	RF Switch	Pickering Interfaces	64-102-002 & 40-881-001	XZ361012 & X361507	Calibrated before use	-
S0538	DC Power Supply	TTi	PL154	250135	Calibrated before use	-
M1818	Multimeter	Fluke	79III	71811580	27 Apr 2017	12
M1252	Signal Generator	Hewlett Packard	83640A	3119A00489	26 Oct 2017	24

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

Test Engineer:	Georgios Vrezas	Test Dates:	11 July 2016 & 22 July 2016
Test Sample Serial Number:	C39RW004HFML		

FCC Reference:	Part 15.247(b)(3)
Test Method Used:	FCC KDB 558074 D01 Section 9.2.2.2

Environmental Conditions:

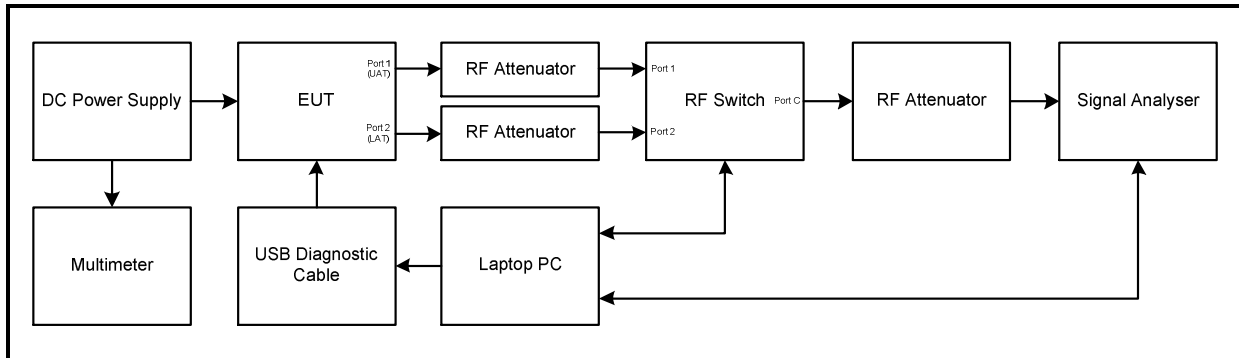
Temperature (°C):	24 to 25
Relative Humidity (%):	43 to 49

Note(s):

- The customer declared the following data rates to be used for all measurements as:
 - 802.11b – DBPSK / 1 Mbps / Port 1
 - 802.11g – BPSK / 6 Mbps / Port 1
 - 802.11n HT20 SISO – BPSK / 6.5 Mbps / MCS0 (GI = 800 ns) / Port 1
 - 802.11n HT20 MIMO – BPSK / 6.5 Mbps / MCS0 (GI = 800 ns)
- Final measurements were performed using the above configurations on the relevant channels. The power has been integrated over the 99% emission bandwidth. Plots for the occupied bandwidth are included in Appendix 1 of this test report.
- The EUT was transmitting at at ≥98% duty cycle and testing was performed in accordance with KDB 558074 D01 Section 9.2.2.2 Method AVGSA-1. The signal analyser's integration function was used to integrate across the 99% occupied bandwidth. The signal analyser resolution bandwidth was set to 200 kHz and video bandwidth 1 MHz. An RMS detector was used and sweep time set manually to perform trace averaging over 300 traces. The span was set to at least 1.5 times the 99% occupied emission bandwidth.
- For 802.11n MIMO, power was measured on both ports and then combined using the measure-and-sum technique stated in FCC KDB 662911 D01 Section E)1).
- As the data streams are correlated for 802.11n MIMO MCS0 to MCS7, the directional antenna gain has been calculated in accordance with KDB 662911 D01 Section F)2)f)(ii):

$$\begin{aligned}
 \text{Directional Gain} &= 10 \log \left[\frac{\sum_{j=1}^{N_{SS}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right] = 10 \log \left[\frac{\sum_{j=1}^1 \left(\sum_{k=1}^2 g_{j,k} \right)^2}{2} \right] = \\
 &= 10 \log \left[\frac{(g_{1,1} + g_{1,2})^2}{2} \right] = 10 \log \left[\frac{\left(10^{\frac{G_1}{20}} + 10^{\frac{G_2}{20}} \right)^2}{2} \right] = 10 \log \left[\frac{\left(10^{\frac{-2.2}{20}} + 10^{\frac{-4.1}{20}} \right)^2}{2} \right] = -0.1 \text{ dBi}
 \end{aligned}$$

- The signal analyser was connected to the RF port on the EUT using an RF switch, suitable attenuation and RF cables. An RF level offset was entered on the signal analyser to compensate for the loss of the switch, attenuators and RF cables.

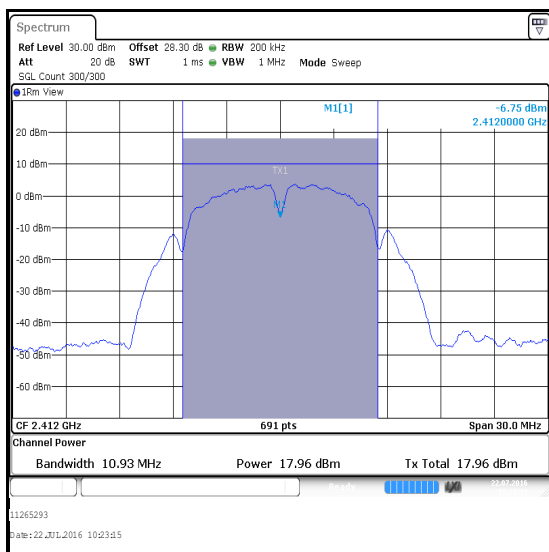
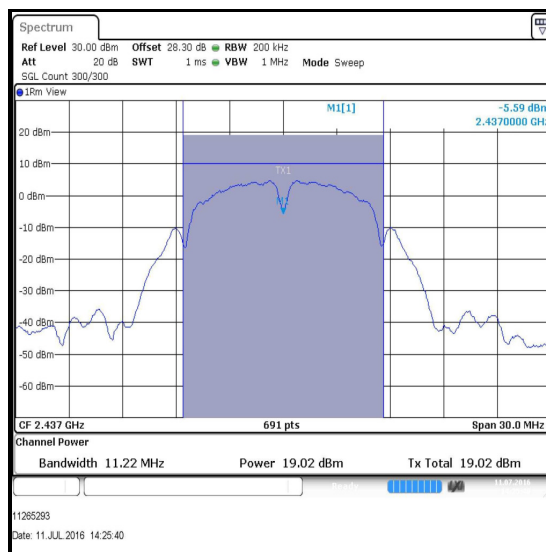
Transmitter Maximum (Average) Output Power (continued)**Test setup:**

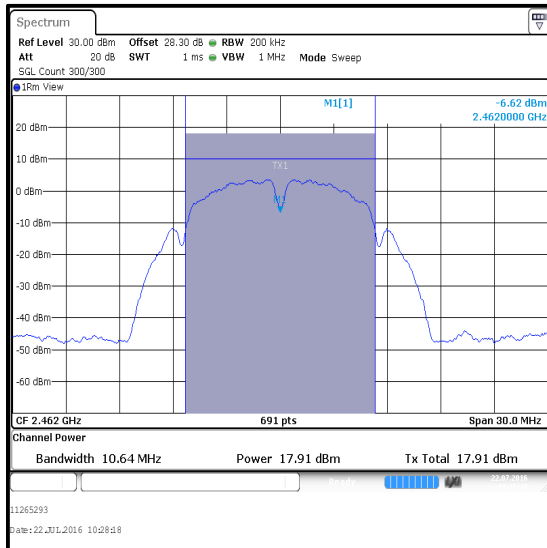
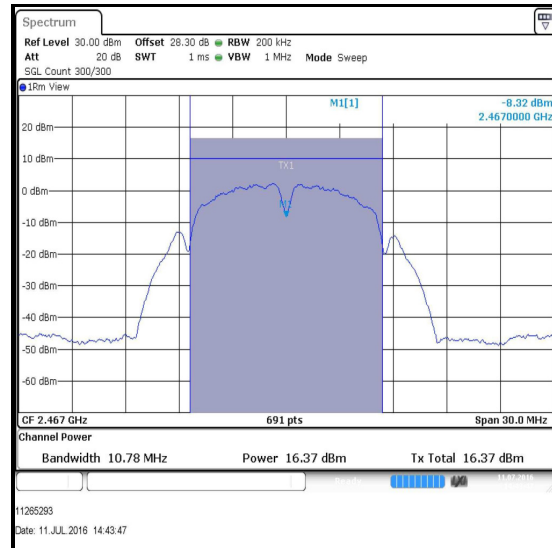
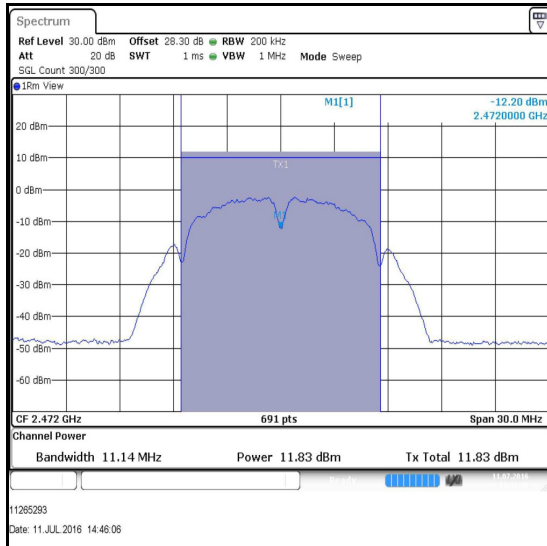
Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / DBPSK / 1 Mbps****Conducted Peak Limit Comparison**

Channel	Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
1	18.0	30.0	12.0	Complied
6	19.0	30.0	11.0	Complied
11	17.9	30.0	12.1	Complied
12	16.4	30.0	13.6	Complied
13	11.8	30.0	18.2	Complied

EIRP Limit Comparison

Channel	Conducted Power (dBm)	Declared Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
1	18.0	-2.2	15.8	36.0	20.2	Complied
6	19.0	-2.2	16.8	36.0	19.2	Complied
11	17.9	-2.2	15.7	36.0	20.3	Complied
12	16.4	-2.2	14.2	36.0	21.8	Complied
13	11.8	-2.2	9.6	36.0	26.4	Complied

**Channel 1****Channel 6**

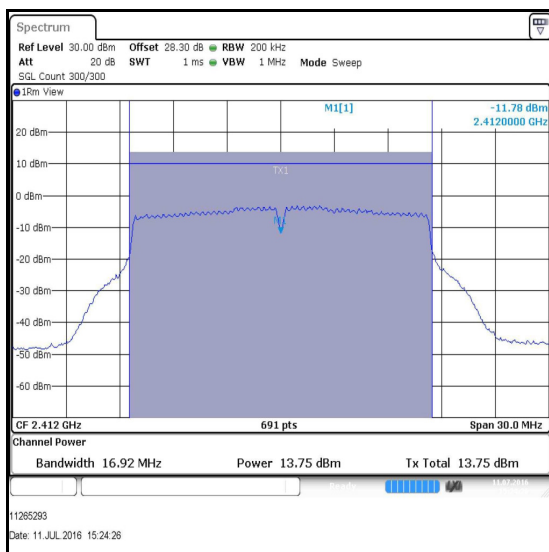
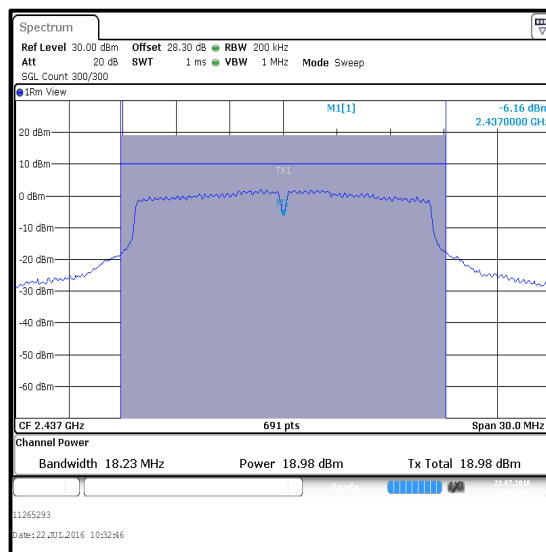
Transmitter Maximum (Average) Output Power (continued)**Results: 802.11b / 20 MHz / DBPSK / 1 Mbps****Channel 11****Channel 12****Channel 13**

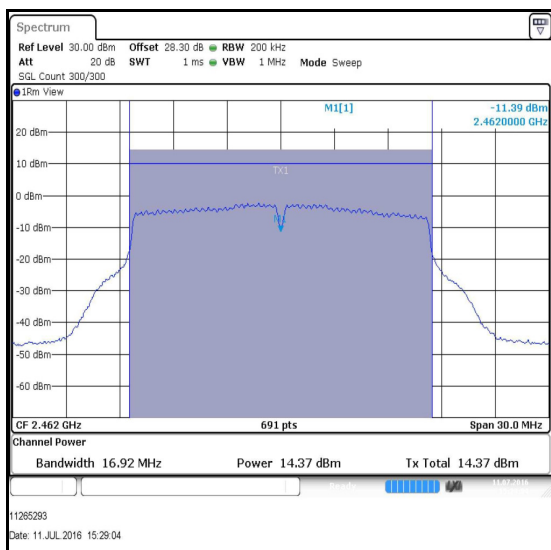
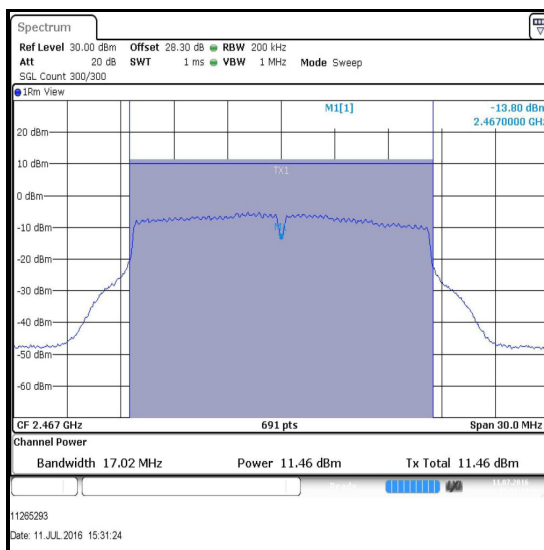
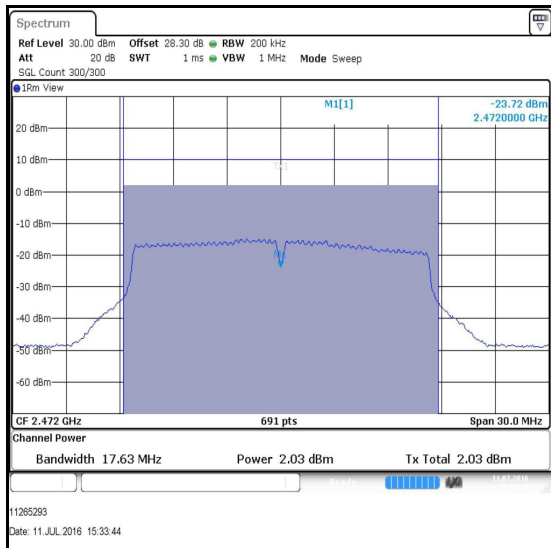
Transmitter Maximum (Average) Output Power (continued)**Results: 802.11g / 20 MHz / BPSK / 6 Mbps****Conducted Peak Limit Comparison**

Channel	Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
1	13.8	30.0	16.2	Complied
6	19.0	30.0	11.0	Complied
11	14.4	30.0	15.6	Complied
12	11.5	30.0	18.5	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	13.8	-2.2	11.6	36.0	24.4	Complied
6	19.0	-2.2	16.8	36.0	19.2	Complied
11	14.4	-2.2	12.2	36.0	23.8	Complied
12	11.5	-2.2	9.3	36.0	26.7	Complied
13	2.0	-2.2	-0.2	36.0	36.2	Complied

**Channel 1****Channel 6**

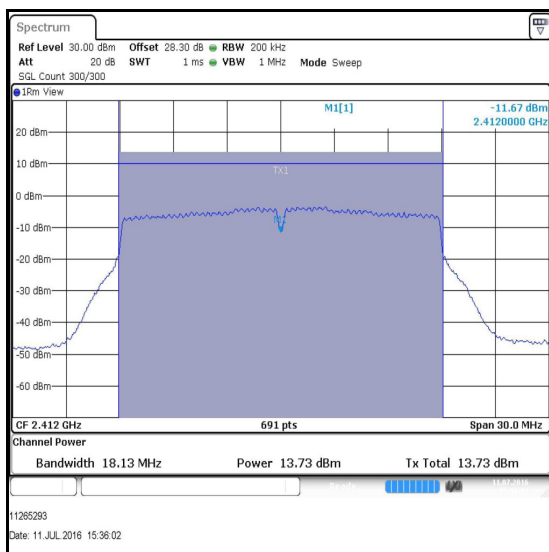
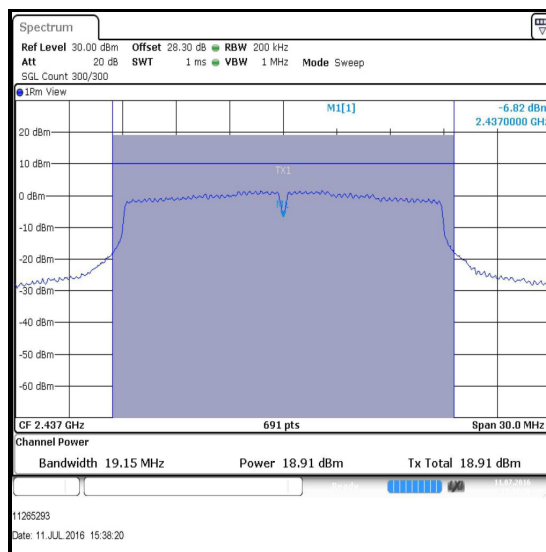
Transmitter Maximum (Average) Output Power (continued)**Results: 802.11g / 20 MHz / BPSK / 6 Mbps****Channel 11****Channel 12****Channel 13**

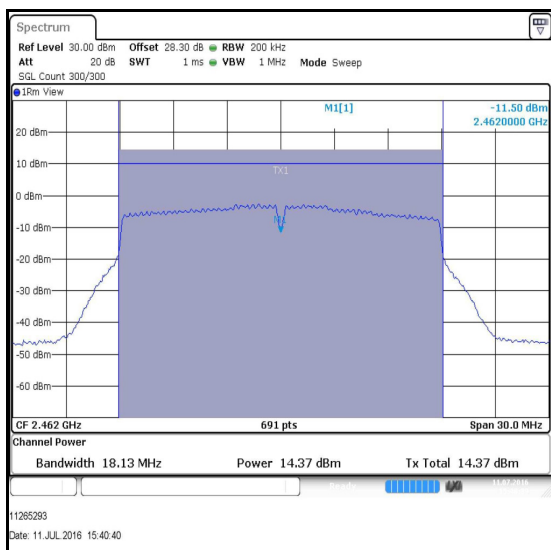
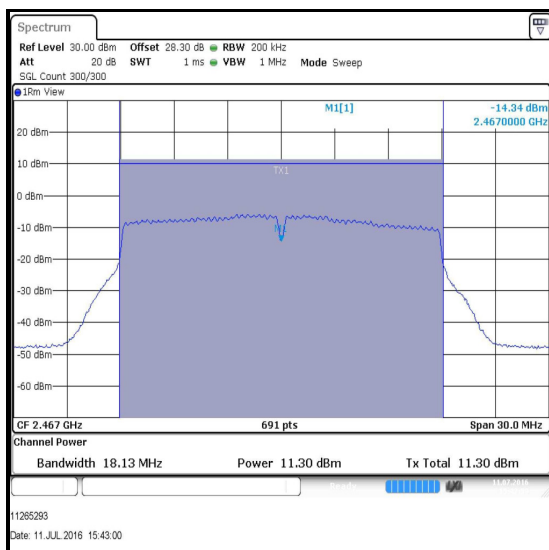
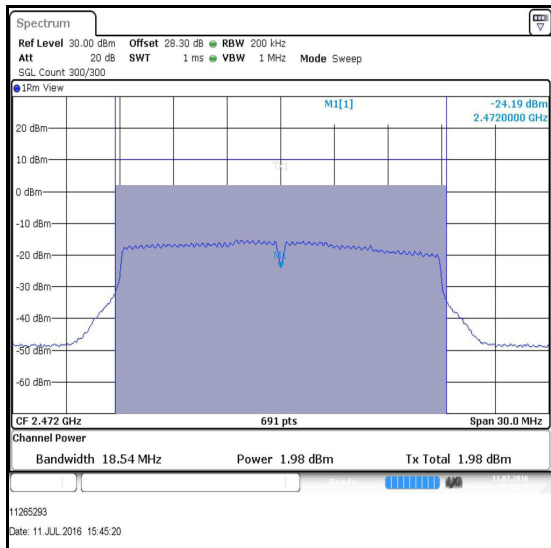
Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / SISO****Conducted Peak Limit Comparison**

Channel	Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
1	13.7	30.0	16.3	Complied
6	18.9	30.0	11.1	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	13.7	-2.2	11.5	36.0	24.5	Complied
6	18.9	-2.2	16.7	36.0	19.3	Complied
11	14.4	-2.2	12.2	36.0	23.8	Complied
12	11.3	-2.2	9.1	36.0	26.9	Complied
13	2.0	-2.2	-0.2	36.0	36.2	Complied

**Channel 1****Channel 6**

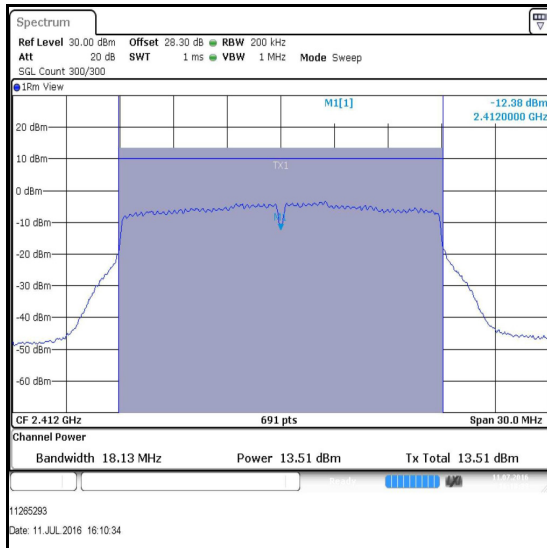
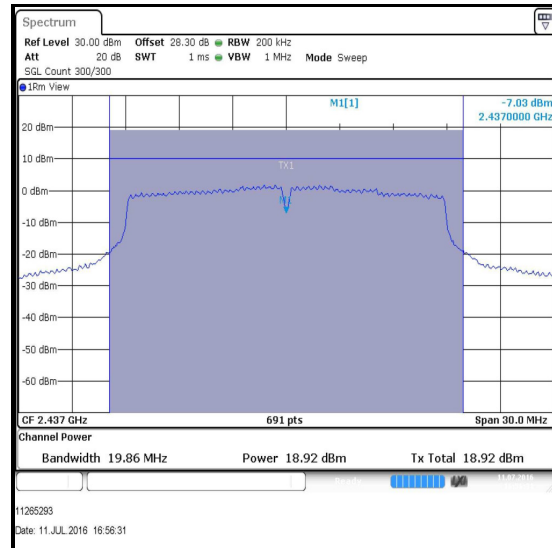
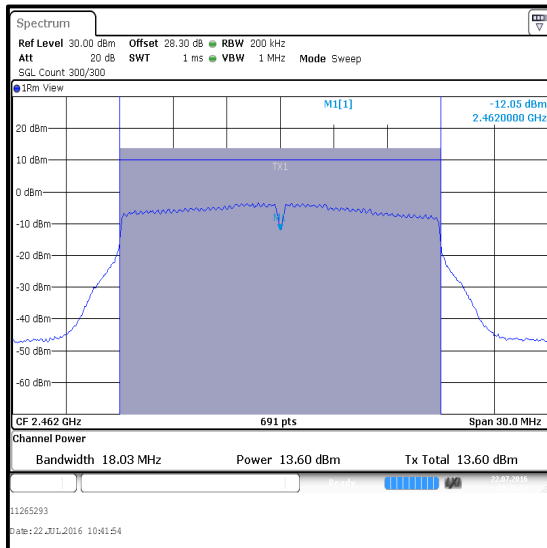
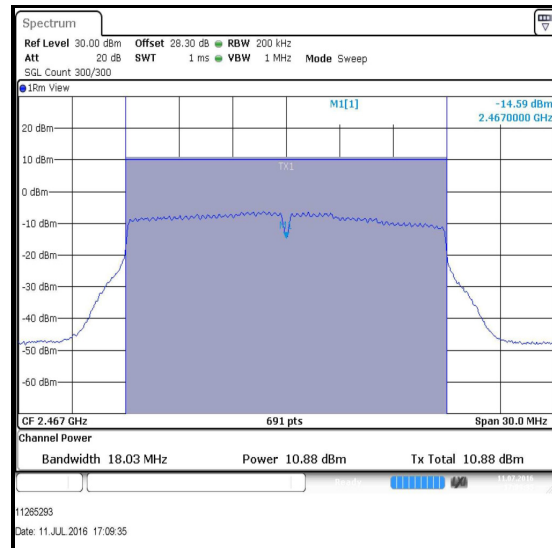
Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / SISO****Channel 11****Channel 12****Channel 13**

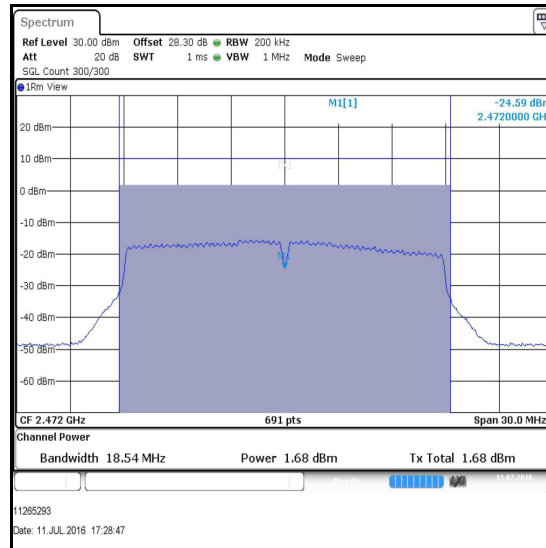
Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / MIMO****Conducted Peak Limit Comparison**

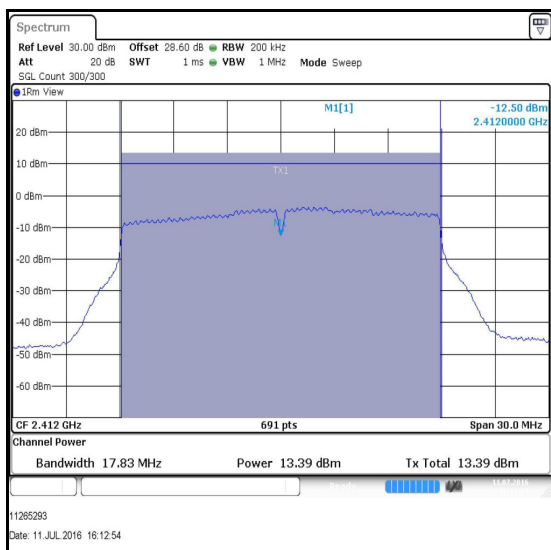
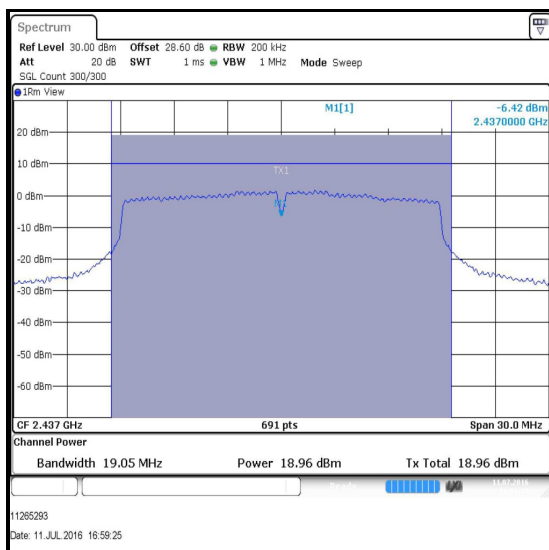
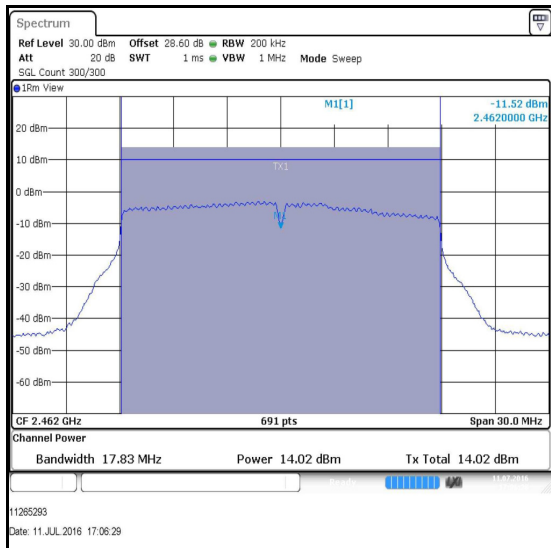
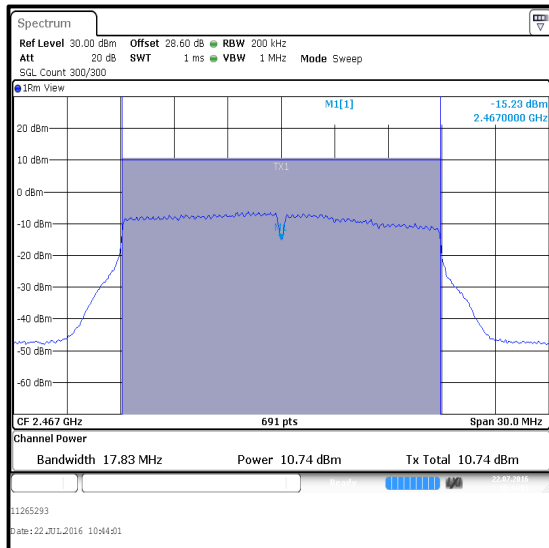
Channel	Conducted Power Port 1 (dBm)	Conducted Power Port 2 (dBm)	Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
1	13.5	13.4	16.5	30.0	13.5	Complied
6	18.9	19.0	22.0	30.0	8.0	Complied
11	13.6	14.0	16.8	30.0	13.2	Complied
12	10.9	10.7	13.8	30.0	16.2	Complied
13	1.7	1.9	4.8	30.0	25.2	Complied

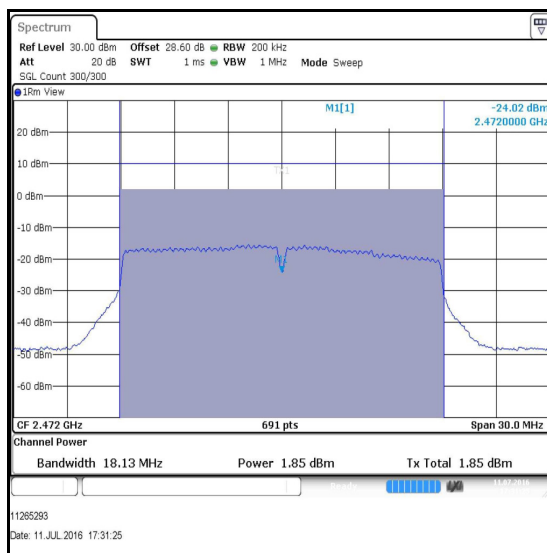
EIRP Limit Comparison

Channel	Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
1	16.5	-0.1	16.4	36.0	19.6	Complied
6	22.0	-0.1	21.9	36.0	14.1	Complied
11	16.8	-0.1	16.7	36.0	19.3	Complied
12	13.8	-0.1	13.7	36.0	22.3	Complied
13	4.8	-0.1	4.7	36.0	31.3	Complied

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / MIMO / Port 1****Channel 1****Channel 6****Channel 11****Channel 12**

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / MIMO / Port 1****Channel 13**

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / MIMO / Port 2****Channel 1****Channel 6****Channel 11****Channel 12**

Transmitter Maximum (Average) Output Power (continued)**Results: 802.11n / HT20 / BPSK / MCS0 / MIMO / Port 2****Channel 13****Test Equipment Used:**

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M1659	Thermohygrometer	JM Handelspunkt	30.5015.13	None stated	02 Apr 2017	12
M1835	Signal Analyser	Rohde & Schwarz	FSV30	103050	27 Feb 2017	12
M1867	Attenuator	Huber + Suhner AG	6820.17.B	07101	Calibrated before use	-
A2847	Attenuator	Radiall	R411.820.121	24671450	Calibrated before use	-
A2345	Attenuator	Macom	2082-6043-20	None stated	Calibrated before use	-
A2952	RF Switch	Pickering Interfaces	64-102-002 & 40-881-001	XZ361012 & X361507	Calibrated before use	-
S0538	DC Power Supply	TTi	PL154	250135	Calibrated before use	-
M1818	Multimeter	Fluke	79III	71811580	27 Apr 2017	12
M1252	Signal Generator	Hewlett Packard	83640A	3119A00489	26 Oct 2017	24

5.2.4. Transmitter Radiated Emissions**Test Summary:**

Test Engineer:	Nick Steele	Test Date:	21 July 2016
Test Sample Serial Number:	C39RV00UHFML		

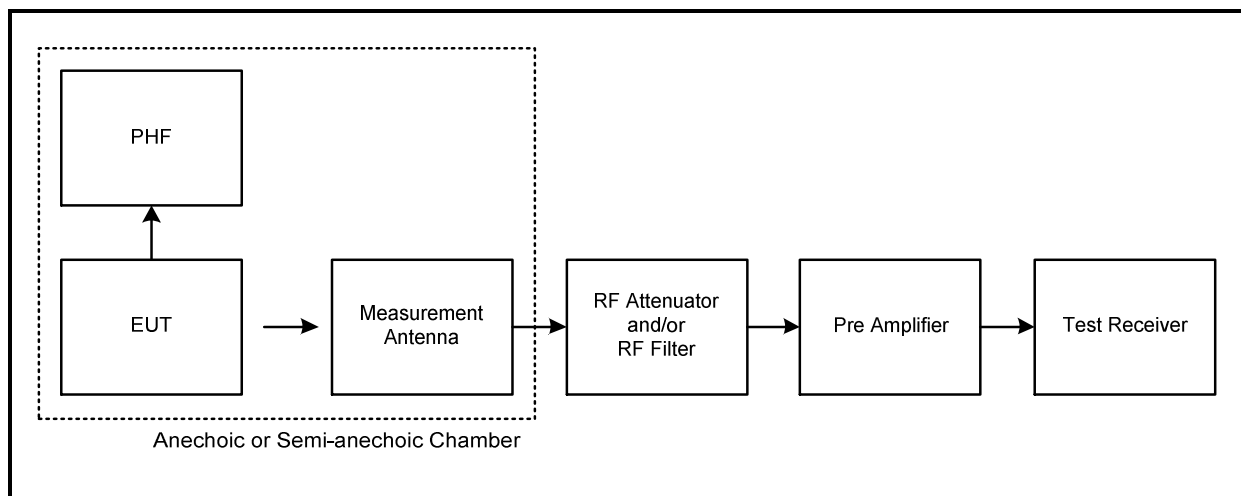
FCC Reference:	Parts 15.247(d) & 15.209(a)
Test Method Used:	ANSI C63.10 Sections 6.3 and 6.5
Frequency Range	30 MHz to 1000 MHz

Environmental Conditions:

Temperature (°C):	25
Relative Humidity (%):	44

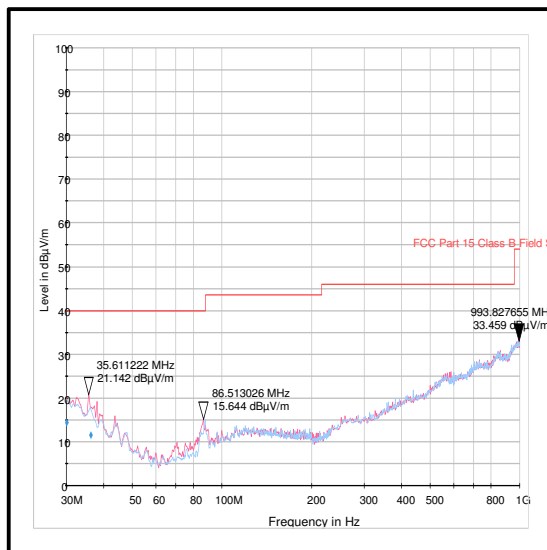
Note(s):

1. The final measured value, for the given emission, in the table below incorporates the calibrated antenna factor and cable loss.
2. The preliminary scans showed similar emission levels below 1 GHz, for each channel of operation. Therefore final radiated emissions measurements were performed with the EUT set to the middle channel only.
3. All emissions shown on the pre-scan plots were investigated and found to be ambient, or >20 dB below the applicable limit or below the measurement system noise floor. Therefore the highest peak noise floor reading of the measuring receiver was recorded in the table below.
4. Measurements below 1 GHz were performed in a semi-anechoic chamber (Asset Number K0001) at a distance of 3 metres. The EUT was placed at a height of 80 cm above the reference ground plane in the centre of the chamber turntable. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.
5. Pre-scans were performed and markers placed on the highest measured levels. The test receiver resolution bandwidth was set to 100 kHz and video bandwidth 300 kHz. A peak detector was used, sweep time was set to auto and trace mode was Max Hold.
6. Final measurements were performed on the marker frequencies and the results entered into the table below. The test receiver resolution bandwidth was set to 120 kHz, using a CISPR quasi-peak detector and span big enough to see the whole emission.

Transmitter Radiated Emissions (continued)**Test setup for radiated measurements:**

Transmitter Radiated Emissions (continued)**Results: Middle Channel / 802.11n / HT20 / BPSK / MCS0 / MIMO**

Frequency (MHz)	Antenna Polarity	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
993.828	Vertical	33.5	54.0	20.5	Complied

**Test Equipment Used:**

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M2014	Thermohygrometer	Testo	608-H1	45046246	10 Jun 2017	12
K0001	3m RSE Chamber	Rainford EMC	N/A	N/A	12 Jan 2017	12
M1273	Test Receiver	Rohde & Schwarz	ESIB 26	100275	11 Apr 2017	12
A2959	Antenna	Schwarzbeck	VULB 9163	9163-967	22 Apr 2017	12
G0543	Pre Amplifier	Sonoma Instrument Co.	310N	230801	09 Dec 2016	12
A1834	Attenuator	Hewlett Packard	8491B	10444	30 Mar 2017	12

Transmitter Radiated Emissions (continued)**Test Summary:**

Test Engineer:	Nick Steele	Test Date:	21 July 2016
Test Sample Serial Number:	C39RV00UHFML		

FCC Reference:	Parts 15.247(d) & 15.209(a)
Test Method Used:	ANSI C63.10 Sections 6.3 and 6.6
Frequency Range	1 GHz to 25 GHz

Environmental Conditions:

Temperature (°C):	23
Relative Humidity (%):	38

Note(s):

1. In accordance with ANSI C63.10-2013 section 5.6.2.2.b), transmitter radiated spurious emissions tests were performed with the EUT transmitting in 802.11n / MCS0 / MIMO, as this was found to transmit the highest output power and output power spectral density.
2. In accordance with ANSI C63.10-2013 section 5.6.1 Table 4, measurements were performed on channels 1, 6 and 11. Plots in this section of the test report correspond to the middle channel of operation. Plots for all other channels of operation are archived on the company server and available for inspection upon request.
3. The final measured value, for the given emission, in the table below incorporates the calibrated antenna factor and cable loss.
4. The emission shown approximately at 2437 MHz on the 1 GHz to 4 GHz plot is the EUT fundamental.
5. Pre-scans above 1 GHz were performed in a fully anechoic chamber (Asset Number K0002) at a distance of 3 metres. The EUT was placed at a height of 1.5 metres above the test chamber floor in the centre of the chamber turntable. All measurement antennas were placed at a fixed height of 1.5 metres above the test chamber floor, in line with the EUT.
6. Pre-scans were performed and a marker placed on the highest measured level of the appropriate plot. The test receiver resolution bandwidth was set to 1 MHz and video bandwidth 3 MHz. The sweep time was set to auto.
7. * No spurious emissions were detected above the noise floor of the measuring receiver.
8. In accordance with ANSI C63.10 Section 6.6.4.3 (Note 1), if the peak measured value complies with the average limit, it is unnecessary to perform an average measurement.

Transmitter Radiated Emissions (continued)**Results: Bottom Channel / Peak**

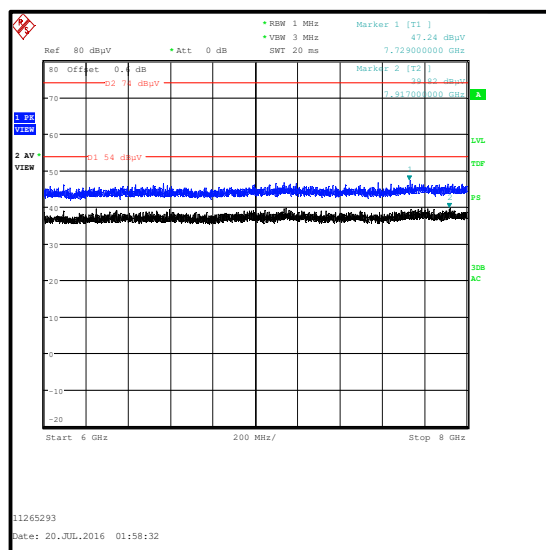
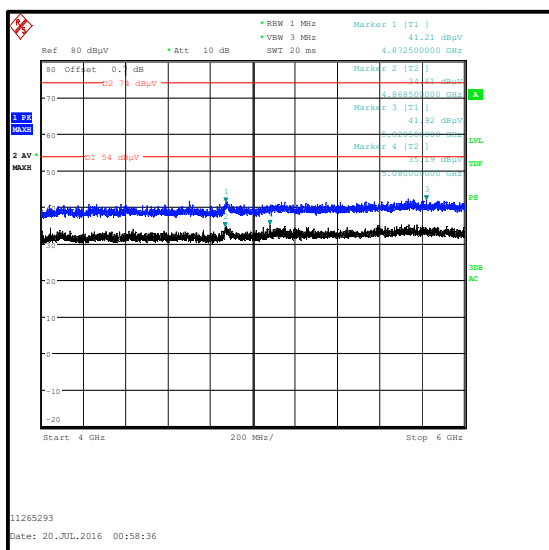
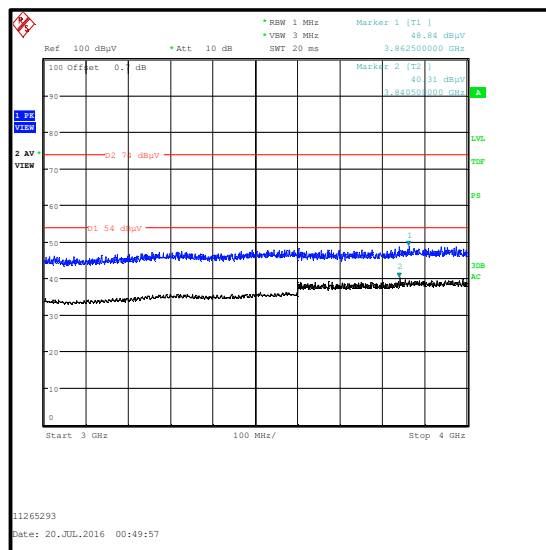
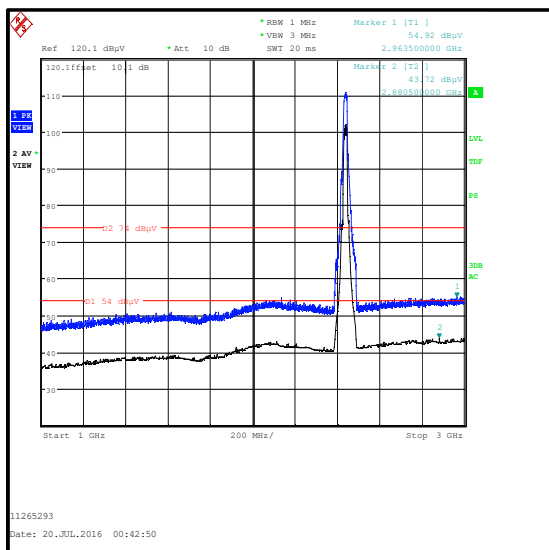
Frequency (MHz)	Antenna Polarity	Peak Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
<i>* See note 7</i>					

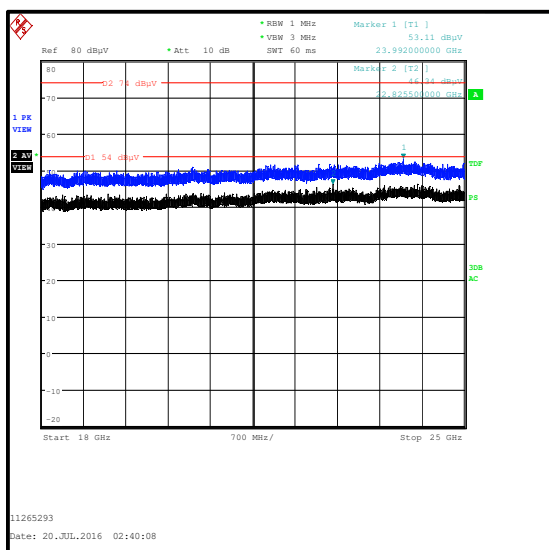
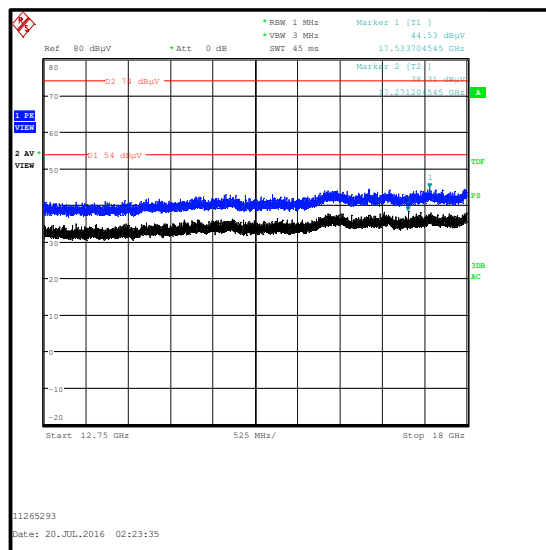
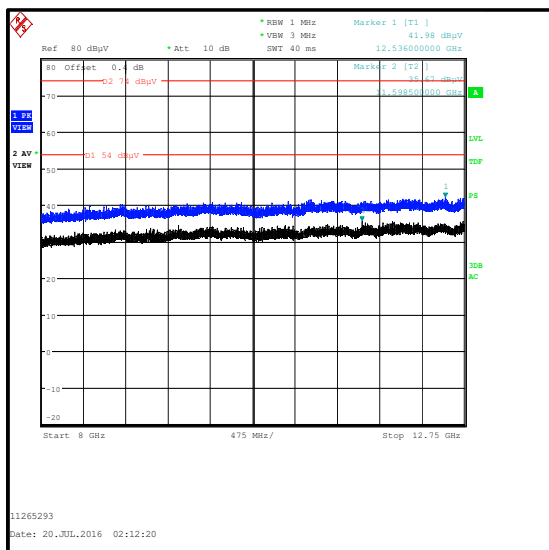
Results: Middle Channel / Peak

Frequency (MHz)	Antenna Polarity	Peak Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
4872.500	Horizontal	41.2	54.0	12.8	Complied

Results: Top Channel / Peak

Frequency (MHz)	Antenna Polarity	Peak Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
<i>* See note 7</i>					

Transmitter Radiated Emissions (continued)

Transmitter Radiated Emissions (continued)

Transmitter Radiated Emissions (continued)**Test Equipment Used:**

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M1656	Thermohygrometer	JM Handelspunkt	30.5015.13	Not stated	07 Apr 2017	12
K0002	3m RSE Chamber	Rainford EMC	N/A	N/A	21 Dec 2016	12
M1886	Test Receiver	Rohde & Schwarz	ESU26	100554	21 Mar 2017	12
A1534	Pre Amplifier	Hewlett Packard	8449B	3008A00405	19 Dec 2016	12
A1818	Antenna	EMCO	3115	00075692	17 Dec 2016	12
A253	Antenna	Flann Microwave	12240-20	128	17 Dec 2016	12
A254	Antenna	Flann Microwave	14240-20	139	17 Dec 2016	12
A255	Antenna	Flann Microwave	16240-20	519	17 Dec 2016	12
A256	Antenna	Flann Microwave	18240-20	400	17 Dec 2016	12
A436	Antenna	Flann Microwave	20240-20	330	19 Dec 2016	12
A1975	High Pass Filter	AtlanTecRF	AFH-03000	090424010	26 Apr 2017	12
A1396	Attenuator	Huber & Suhner	6810.17.B	757987	26 Apr 2017	12

5.2.5. Transmitter Band Edge Radiated Emissions**Test Summary:**

Test Engineers:	Nick Steele & Georgios Vrezas	Test Dates:	19 July 2016 to 01 August 2016
Test Sample Serial Number:	C39RV00UHFML		

FCC Reference:	Parts 15.247(d) & 15.209(a)
Test Method Used:	ANSI C63.10 Section 6.10 & FCC KDB 558074 D01 Sections 11 & 12

Environmental Conditions:

Temperature (°C):	23 to 25
Relative Humidity (%):	38 to 40

Transmitter Band Edge Radiated Emissions (continued)**Note(s):**

1. The customer declared the following data rates to be used for all measurements as:

- 802.11b – DBPSK / 1 Mbps / Port 1
- 802.11g – BPSK / 6 Mbps / Port 1
- 802.11n HT20 / SISO – BPSK / 6.5 Mbps / MCS0 / Port 1
- 802.11n HT20 / MIMO – BPSK / 6.5 Mbps / MCS0

Final measurements were performed with the above configurations.

2. For SISO modes of operation, the EUT was transmitting from Port 1 only as this Port emits the highest output power level and was therefore deemed to be worst case.
3. The final measured value, for the given emission, in the table below incorporates the calibrated antenna factor and cable loss.
4. The maximum conducted (average) output power was previously measured. In accordance with FCC KDB 558074 D01 Section 11.1(b), the lower band edge measurement should be performed with a peak detector and the -30 dBc limit applied.
5. As the lower band edge falls within a non-restricted band, only peak measurements are required. In accordance with FCC KDB 558074 D01 Section 11.1, the test method in Section 11.3 was followed: the test receiver resolution bandwidth was set to 100 kHz and video bandwidth 300 kHz. A peak detector was used, sweep time was set to auto and trace mode was Max Hold. The test receiver was left to sweep for a sufficient length of time in order to maximise the carrier level and out-of-band emissions. A marker and corresponding reference level line were placed on the peak of the carrier. As the maximum conducted (average) output power was measured using an RMS detector in accordance with FCC KDB 558074 D01 Section 9.2.2.4 an out-of-band limit line was placed 30 dB (FCC KDB 558074 D01 Section 11.1(b)) below the peak level. A marker was placed on the band edge spot frequencies and a second marker placed on the highest emission level in the adjacent non-restricted band of operation (where a higher level emission was present). Marker frequencies and levels were recorded.
6. As the upper band edge falls within a restricted band both peak and average measurements were recorded by placing a marker at the edge of the band. For peak measurements the test receiver resolution bandwidth was set to 1 MHz and the video bandwidth 3 MHz. A peak detector was used, sweep time was set to auto and trace mode was Max Hold. For average measurements the test receiver resolution bandwidth was set to 1 MHz and the video bandwidth 3 MHz. An average detector was used, sweep time was set to auto and trace mode was Max Hold. The test receiver was left to sweep for a sufficient length of time in order to maximise the carrier level and out-of-band emissions. A marker was placed on the band edge spot frequencies and a second marker placed on the highest emission level in the adjacent restricted band of operation (where a higher level emission was present). Marker frequencies and levels were recorded.
7. There is a restricted band 10 MHz below the lower band edge. The test receiver was set up as follows: the RBW set to 1 MHz, the VBW set to 3 MHz, with the sweep time set to auto couple. Peak and average measurements were performed with their respective detectors. Markers were placed on the highest point on each trace.
8. For 802.11b, maximum output power is the same on channels 1 and 2. Therefore band edge testing on channel 2 was not performed.
9. * In accordance with FCC KDB 558074 Section 13.3.2, the integration method was used in order to meet the average limit.

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11b / 20 MHz / DBPSK / 1 Mbps / Port 1****Results: Lower Band Edge / Channel 1**

Frequency (MHz)	Level (dBμV/m)	-30 dBc Limit (dBμV/m)	Margin (dB)	Result
2400	49.0	72.1	23.1	Complied

Results: Lower Band Edge / Restricted Band / Peak / Channel 1

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2363.590	53.3	74.0	20.7	Complied

Results: Lower Band Edge / Restricted Band / Average / Channel 1

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2381.410	43.8	54.0	10.2	Complied

Results: Lower Band Edge / Channel 2

Frequency (MHz)	Level (dBμV/m)	-30 dBc Limit (dBμV/m)	Margin (dB)	Result
See note 8				

Results: Lower Band Edge / Channel 3

Frequency (MHz)	Level (dBμV/m)	-30 dBc Limit (dBμV/m)	Margin (dB)	Result
2394.327	45.1	71.8	26.7	Complied
2400	43.1	71.8	28.7	Complied

Results: Upper Band Edge / Peak / Channel 10

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	54.5	74.0	19.5	Complied
2483.885	57.1	74.0	16.9	Complied

Results: Upper Band Edge / Average / Channel 10

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	44.7	54.0	9.3	Complied
2483.981	45.5	54.0	8.5	Complied

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11b / 20 MHz / DBPSK / 1 Mbps / Port 1****Results: Upper Band Edge / Peak / Channel 11**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	62.0	74.0	12.0	Complied
2483.580	63.0	74.0	11.0	Complied

Results: Upper Band Edge / Average / Channel 11

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	48.1	54.0	5.9	Complied

Results: Upper Band Edge / Peak / Channel 12

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	60.2	74.0	13.8	Complied
2483.981	62.9	74.0	11.1	Complied

Results: Upper Band Edge / Average / Channel 12

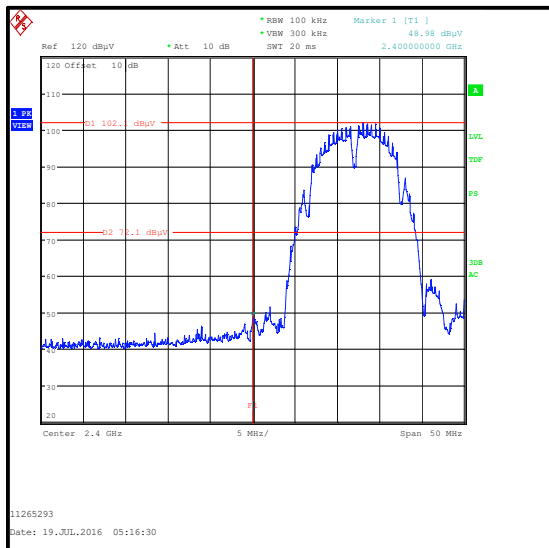
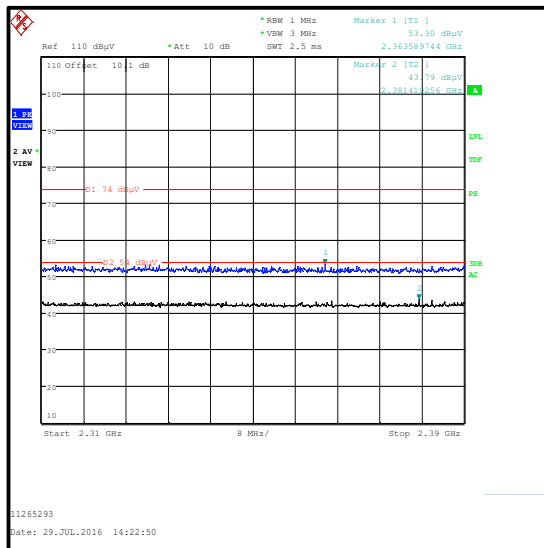
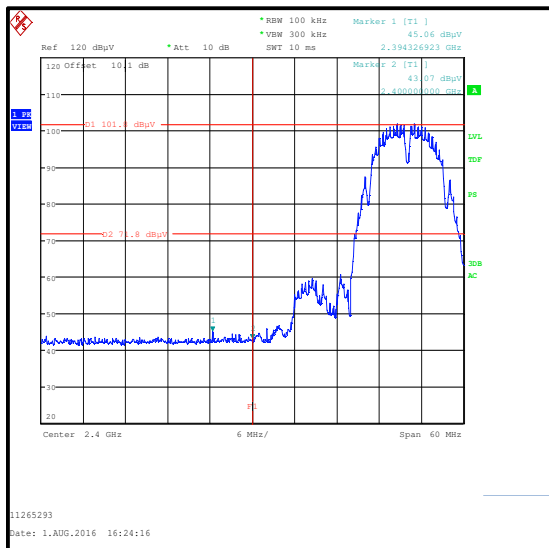
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	48.9	54.0	5.1	Complied

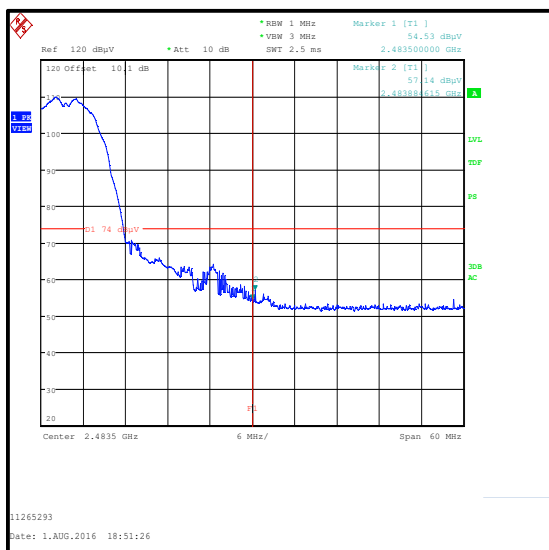
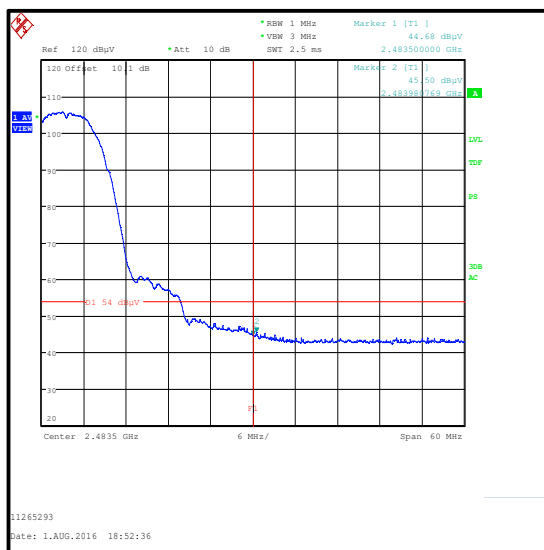
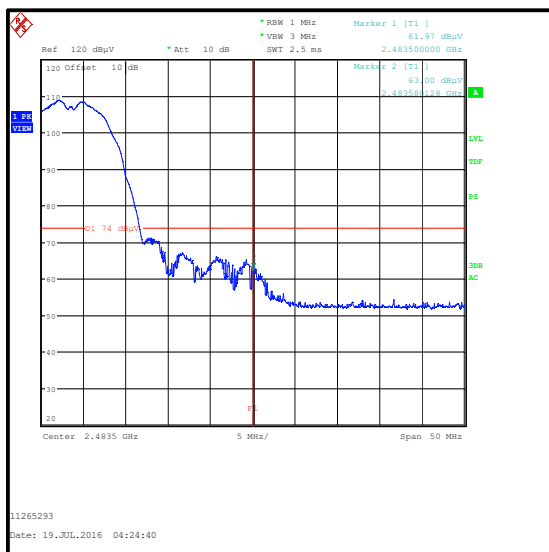
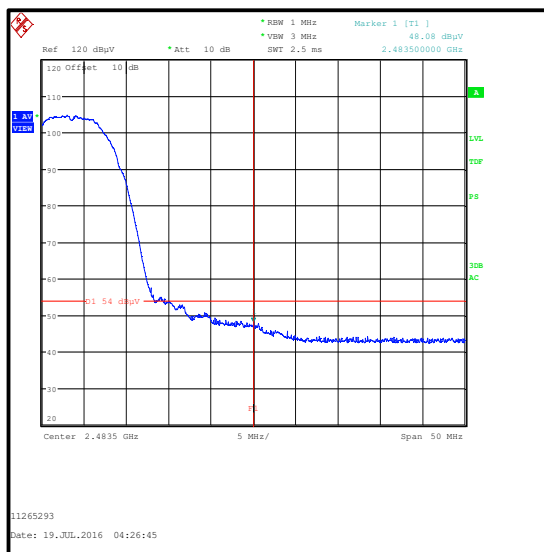
Results: Upper Band Edge / Peak / Channel 13

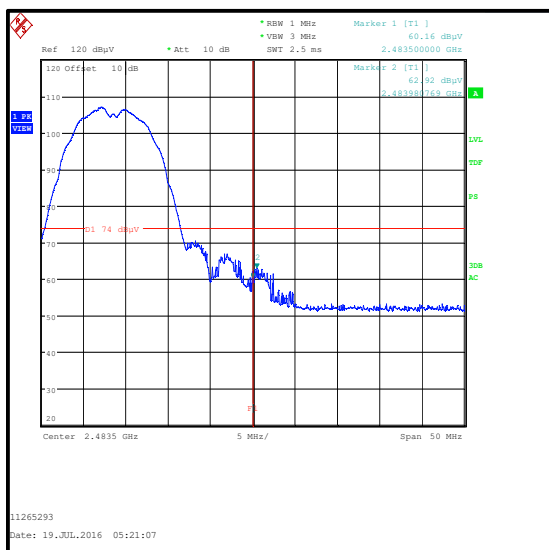
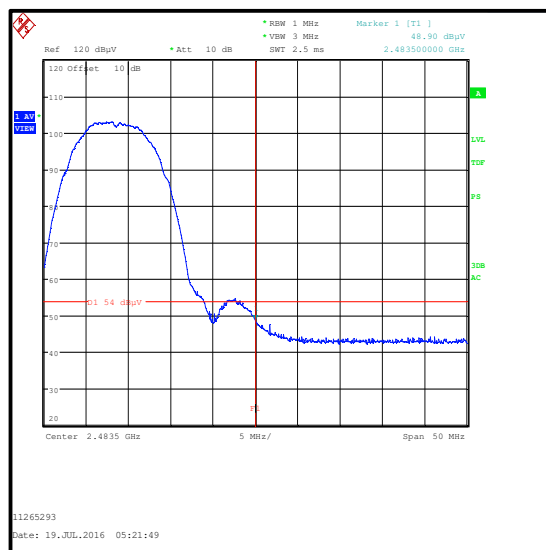
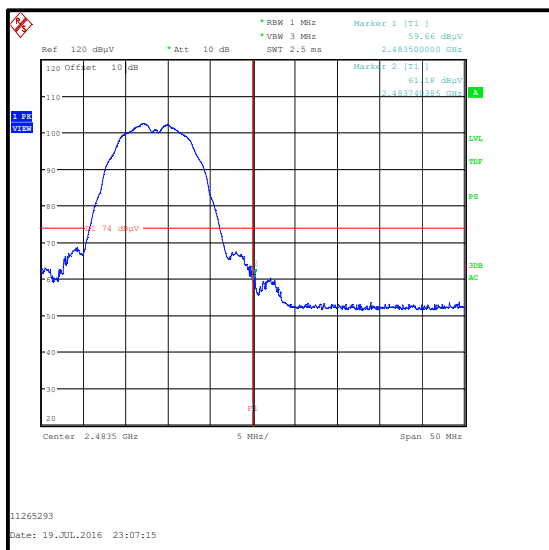
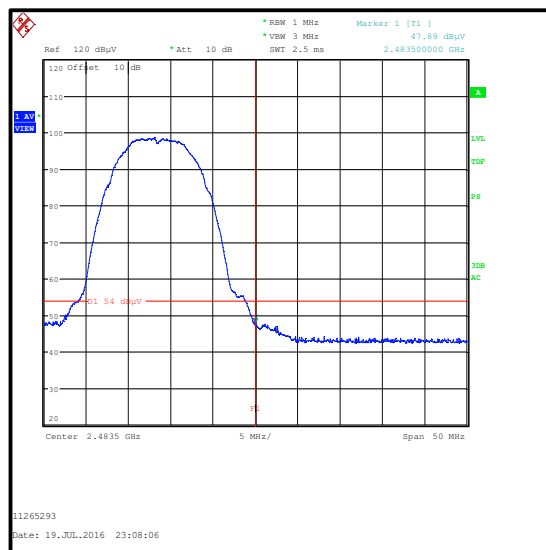
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	59.7	74.0	14.3	Complied
2483.740	61.2	74.0	12.8	Complied

Results: Upper Band Edge / Average / Channel 13

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	47.9	54.0	6.1	Complied

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11b / 20 MHz / DBPSK / 1 Mbps / Port 1****Lower Band Edge Peak Measurement
Channel 1****2310 MHz to 2390 MHz Restricted Band Plot****Lower Band Edge Peak Measurement
Channel 3**

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11b / 20 MHz / DBPSK / 1 Mbps / Port 1****Upper Band Edge Peak Measurement
Channel 10****Upper Band Edge Average Measurement
Channel 10****Upper Band Edge Peak Measurement
Channel 11****Upper Band Edge Average Measurement
Channel 11**

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11b / 20 MHz / DBPSK / 1 Mbps / Port 1****Upper Band Edge Peak Measurement
Channel 12****Upper Band Edge Average Measurement
Channel 12****Upper Band Edge Peak Measurement
Channel 13****Upper Band Edge Average Measurement
Channel 13**

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11g / 20 MHz / BPSK / 6 Mbps / Port 1****Results: Lower Band Edge / Channel 1**

Frequency (MHz)	Level (dBμV/m)	-30 dBc Limit (dBμV/m)	Margin (dB)	Result
2400	52.3	66.8	14.5	Complied

Results: Lower Band Edge / Restricted Band / Peak / Channel 1

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2389.615	55.8	74.0	18.2	Complied

Results: Lower Band Edge / Restricted Band / Average / Channel 1

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2389.872	43.7	54.0	10.3	Complied

Results: Lower Band Edge / Channel 2

Frequency (MHz)	Level (dBμV/m)	-30 dBc Limit (dBμV/m)	Margin (dB)	Result
2398.269	57.3	68.0	10.7	Complied
2400	53.7	68.0	14.3	Complied

Results: Lower Band Edge / Channel 3

Frequency (MHz)	Level (dBμV/m)	-30 dBc Limit (dBμV/m)	Margin (dB)	Result
2399.215	56.5	70.0	13.5	Complied
2400	55.5	70.0	14.5	Complied

Results: Upper Band Edge / Peak / Channel 9

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	65.4	74.0	8.6	Complied

Results: Upper Band Edge / Average / Channel 9

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	51.0	54.0	3.0	Complied

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11g / 20 MHz / BPSK / 6 Mbps / Port 1****Results: Upper Band Edge / Peak / Channel 10**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	63.3	74.0	10.7	Complied

Results: Upper Band Edge / Average / Channel 10

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	49.0	54.0	5.0	Complied

Results: Restricted Band / Upper Band Edge / Peak / Channel 11

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	64.7	74.0	9.3	Complied

Results: Restricted Band / Upper Band Edge / Average / Channel 11

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	50.7	54.0	3.3	Complied

Results: Upper Band Edge / Peak / Channel 12

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	60.7	74.0	13.3	Complied

Results: Upper Band Edge / Average / Channel 12

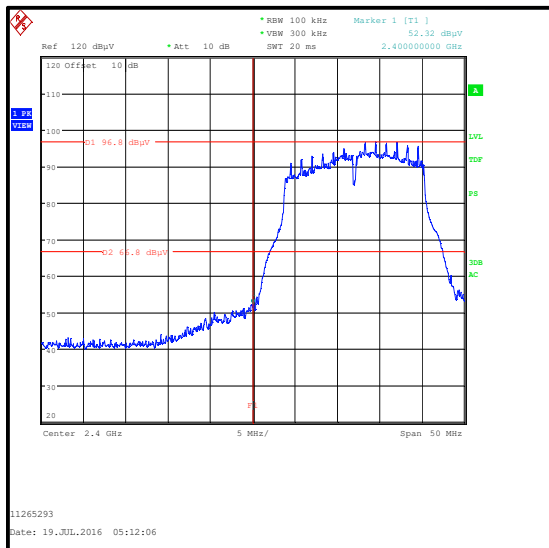
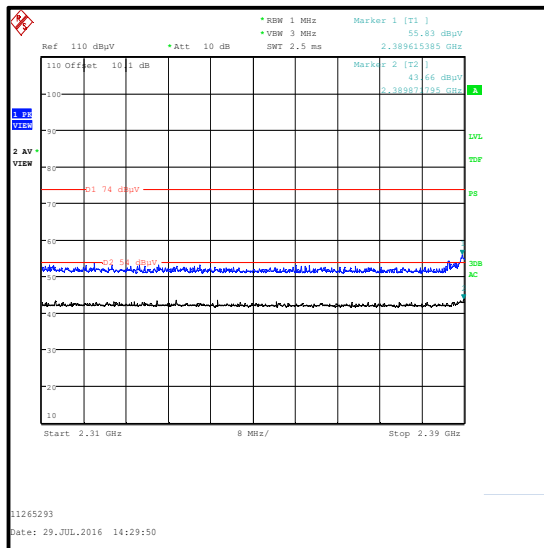
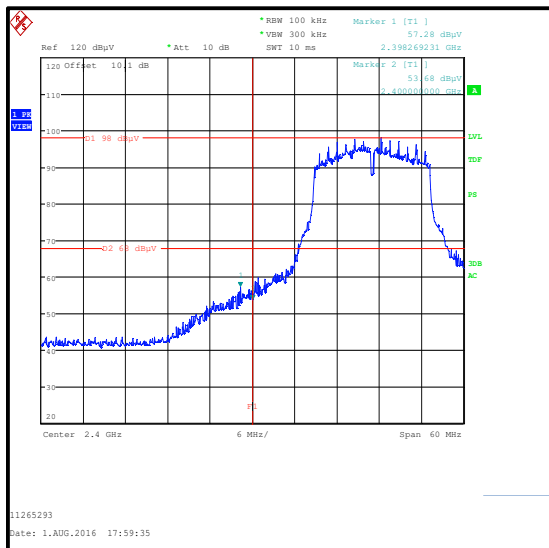
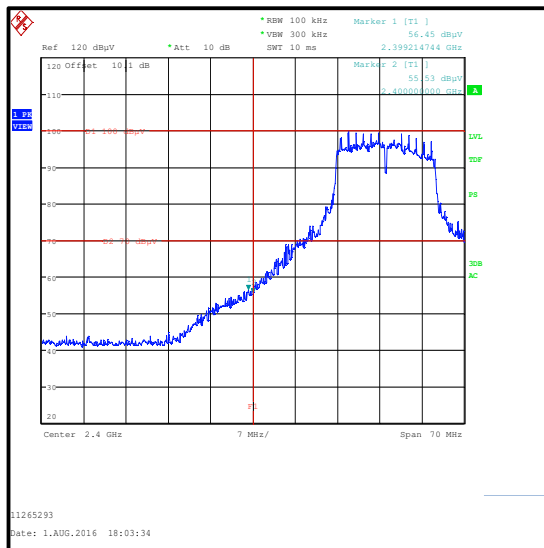
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	48.1	54.0	5.9	Complied

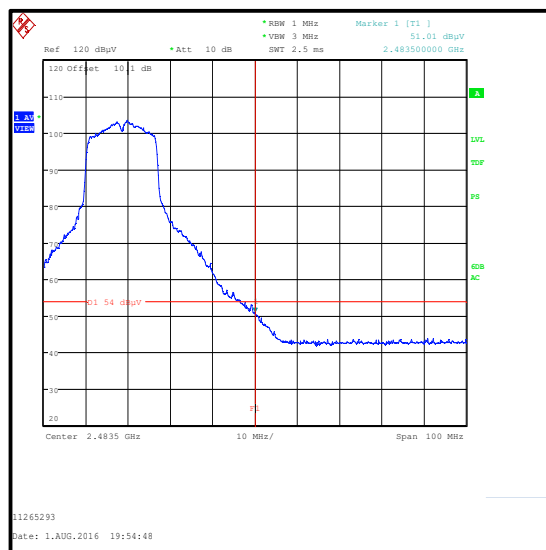
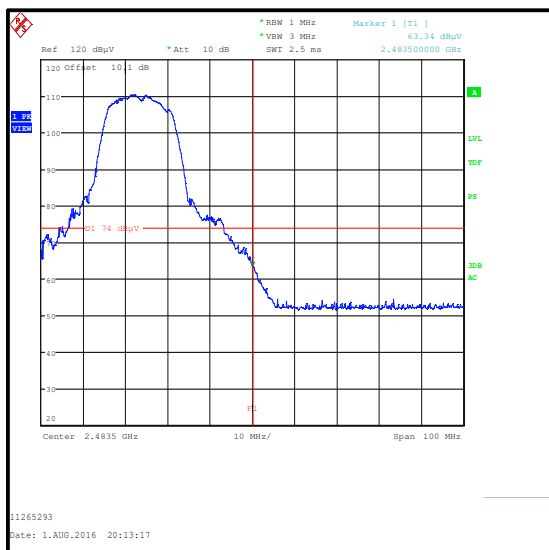
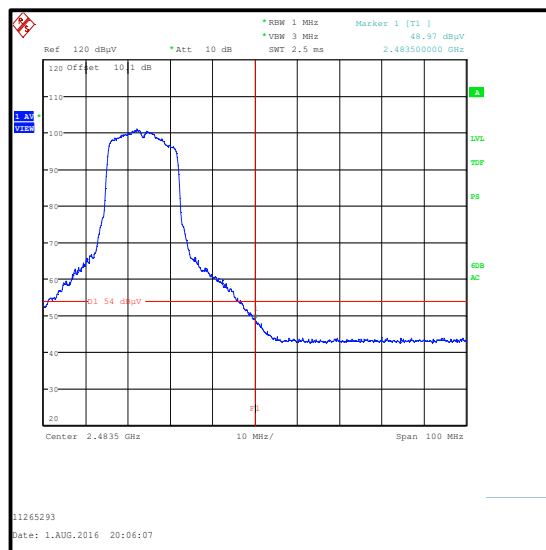
Results: Upper Band Edge / Peak / Channel 13

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	66.0	74.0	8.0	Complied

Results: Upper Band Edge / Average / Channel 13

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
2483.5	50.1	54.0	3.9	Complied

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11g / 20 MHz / BPSK / 6 Mbps / Port 1****Lower Band Edge Peak Measurement
Channel 1****2310 MHz to 2390 MHz Restricted Band Plot****Lower Band Edge Peak Measurement
Channel 2****Lower Band Edge Peak Measurement
Channel 3**

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11g / 20 MHz / BPSK / 6 Mbps / Port 1****Upper Band Edge Peak Measurement
Channel 9****Upper Band Edge Average Measurement
Channel 9****Upper Band Edge Peak Measurement
Channel 10****Upper Band Edge Average Measurement
Channel 10**