

Transmitter Out of Band Radiated Emissions (continued)**Test Summary:**

Test Engineer:	Georgios Vrezas	Test Dates:	03 August 2015 to 05 August 2015
Test Sample Serial Number:	0004565800BC		

FCC Reference:	Parts 15.407(b)(3) & 15.209(a)
Test Method Used:	FCC KDB 789033 Section II.G & ANSI C63.10 Sections 6.3 and 6.6
Frequency Range:	1 GHz to 40 GHz

Environmental Conditions:

Temperature (°C):	23 to 25
Relative Humidity (%):	41 to 45

Note(s):

1. Radiated spurious emissions testing was performed with the EUT transmitting at maximum power on a 5 MHz channel with BPSK modulation. This configuration produced the highest emission levels and was therefore deemed to be worst case. The EUT was transmitting at >99% duty cycle. The highest gain antenna of each antenna type was tested using the appropriate maximum power setting. The 4 foot parabolic antenna was used for tests in the 5.25-5.35 GHz band. The 2 foot parabolic antenna was used for tests in the 5.47-5.725 GHz band
2. Pre-scans with the EUT transmitting on the middle channel were performed according to FCC Parts 15.407(b)(2)/15.407(b)(3) which state all emissions outside of the band will not exceed -27 dBm/MHz. Part(b)(7) states the provisions of §15.205 apply, i.e. restricted bands of operation.
3. Appropriate RF filters and attenuators were used during pre-scans and final measurements. Insertion losses were entered on the spectrum analyser as RF levels offsets.
4. Tests were performed as field strength measurements and any emissions in non-restricted bands converted to an E.I.R.P. value in dBm in accordance with FCC KDB 789033 Section II.G.2 using a conversion factor of 95.2. The measured values incorporates the calibrated antenna factor and cable loss.
5. Where the highest levels of emissions or noise floor occurred in a restricted band, the maximum peak field strength level was compared to peak (74 dBµV/m) and average (54 dBµV/m) limits. Where the highest levels of emission or noise floor occurred in a non-restricted band, the maximum field strength was converted to E.I.R.P. and compared to the -27 dBm/MHz E.I.R.P. limit. The -27 dBm/MHz E.I.R.P. limit was converted to a field strength limit of 68.2 dBµV/m at a measurement distance of 3 metres.
6. The final measured value, for the given emission, incorporates the calibrated antenna factor, preamplifier gain, attenuator loss and cable loss.
7. All other emissions shown on the pre-scan plots were investigated and found to be below the measurement system noise floor or ambient.
8. Pre-scans above 1 GHz were performed in a fully anechoic chamber (UL Asset Number K0002) at a distance of 3 metres. The centre point of the EUT antenna was placed at a height of 1.5 metres above the test chamber floor in the centre of the chamber turntable. The EUT was placed as close to 1.5 metres as the antenna mounting bracket and RF cables allowed. All measurement antennas were placed at a fixed height of 1.5 metres above the test chamber floor, in line with the EUT. Final measurements above 1 GHz were performed in a semi-anechoic chamber (UL Asset Number K0001) at a distance of 3 metres. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.

Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Bottom Channel / BPSK / 4' Parabolic Antenna**

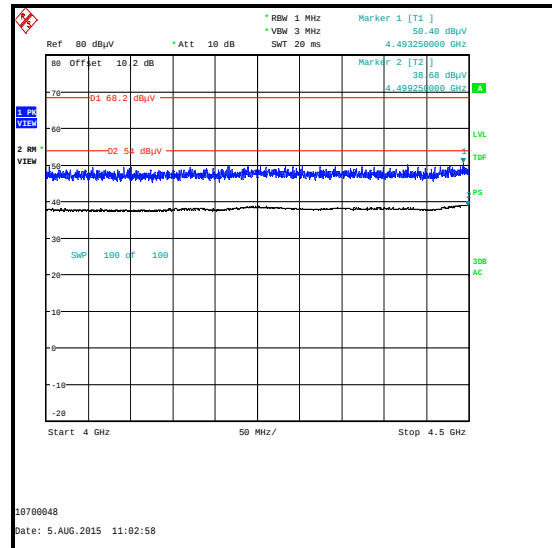
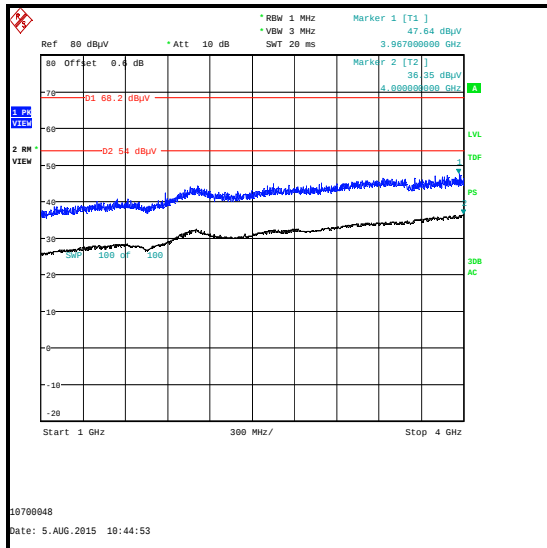
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5467.980	Vertical	-39.6	-27.0	12.6	Complied

Results: Middle Channel / BPSK / 4' Parabolic Antenna

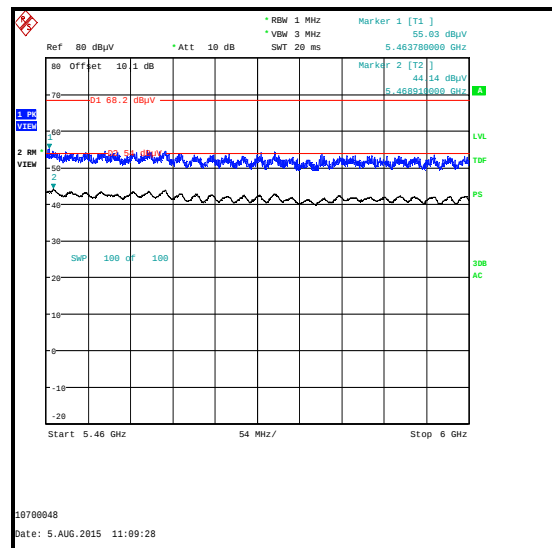
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5468.140	Vertical	-39.3	-27.0	12.3	Complied

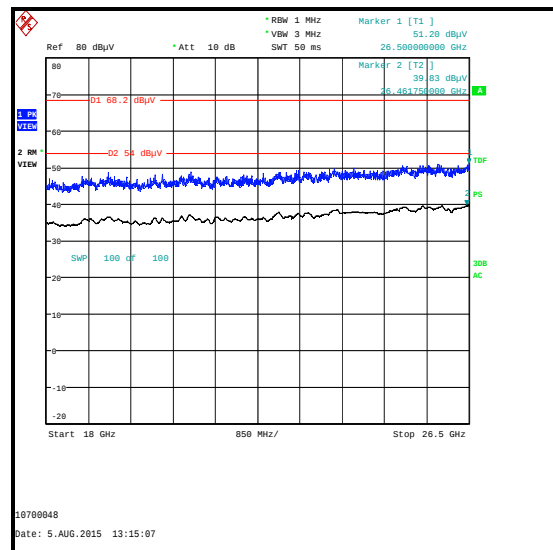
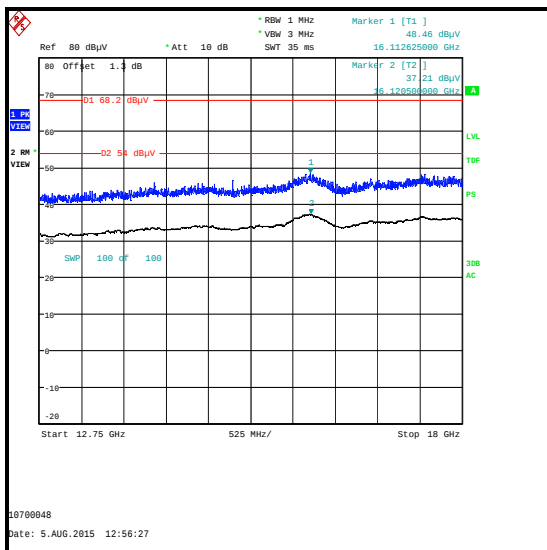
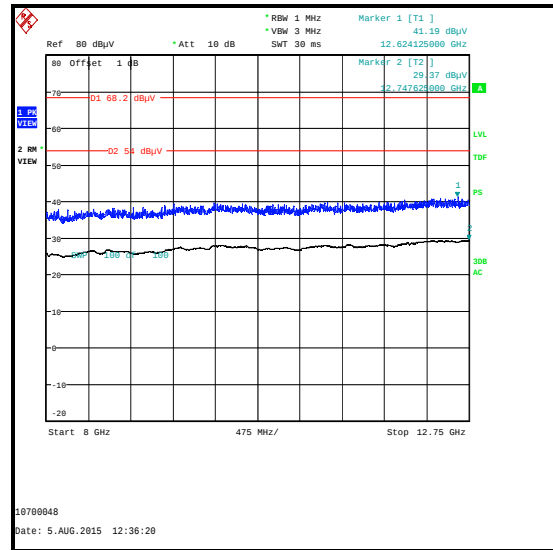
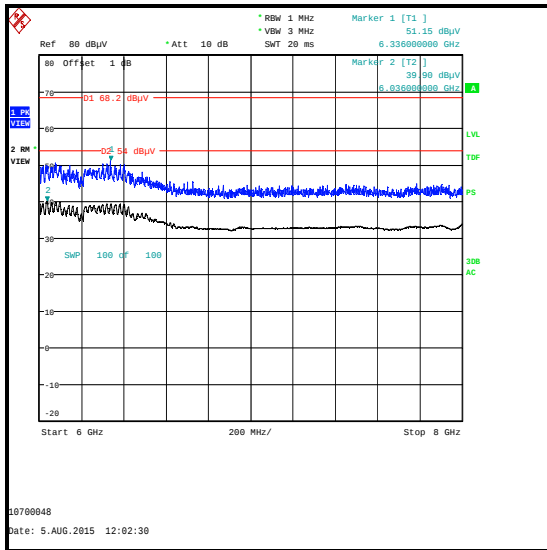
Results: Top Channel / BPSK / 4' Parabolic Antenna

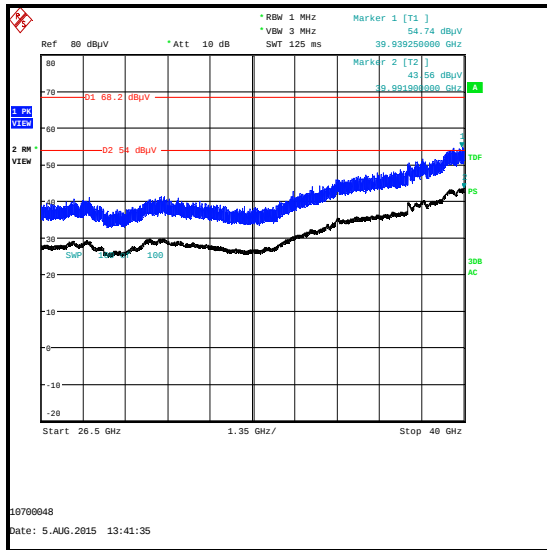
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5467.035	Vertical	-38.6	-27.0	11.6	Complied

Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / 4' Parabolic Antenna**

4.5 GHz to 5.46 GHz
Refer to Transmitter Band Edge Emissions
section of this test report



Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / 4' Parabolic Antenna**

Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / 4' Parabolic Antenna**

Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Bottom Channel / BPSK / Plate Antenna**

Frequency (MHz)	Antenna Polarity	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
4258.910	Vertical	58.1	74.0	15.9	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
4259.330	Vertical	46.4	54.0	7.6	Complied

Results: Middle Channel / BPSK / Plate Antenna

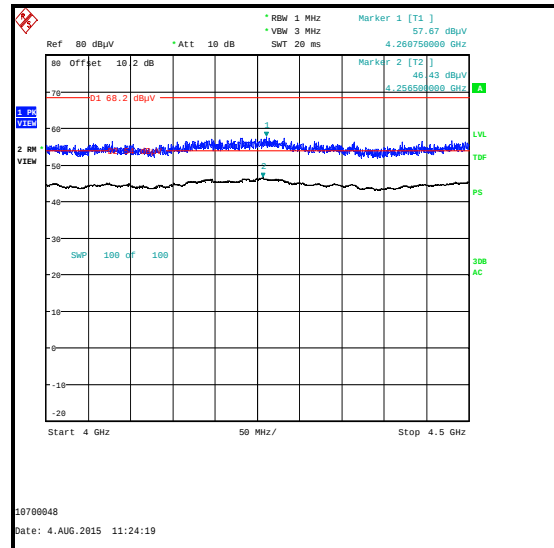
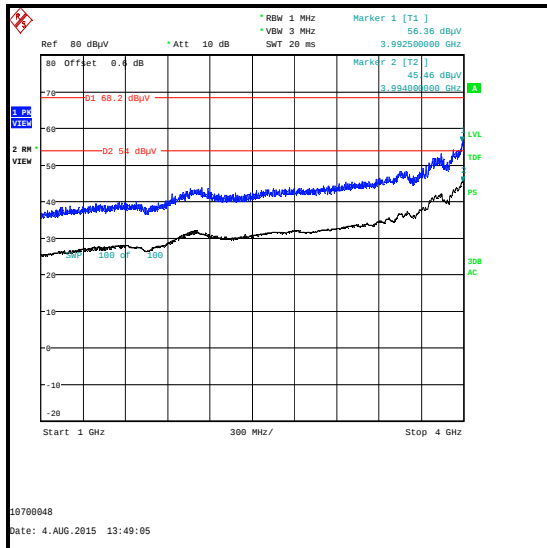
Frequency (MHz)	Antenna Polarity	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
4256.660	Vertical	58.8	74.0	15.2	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
4258.010	Vertical	46.5	54.0	7.5	Complied

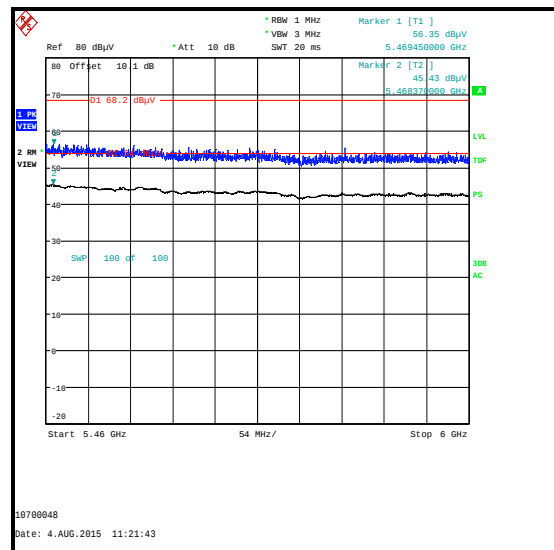
Results: Top Channel / BPSK / Plate Antenna

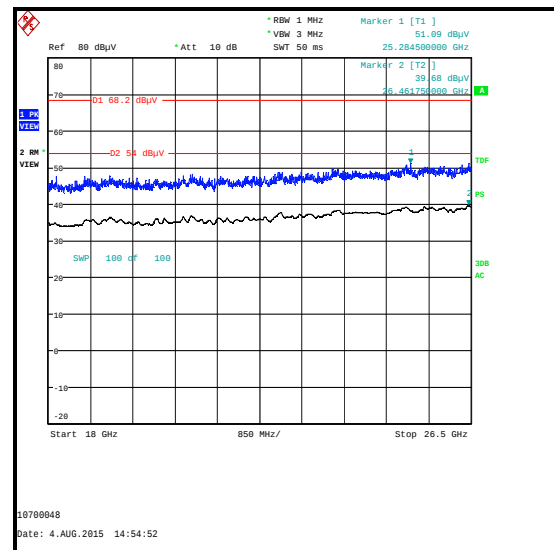
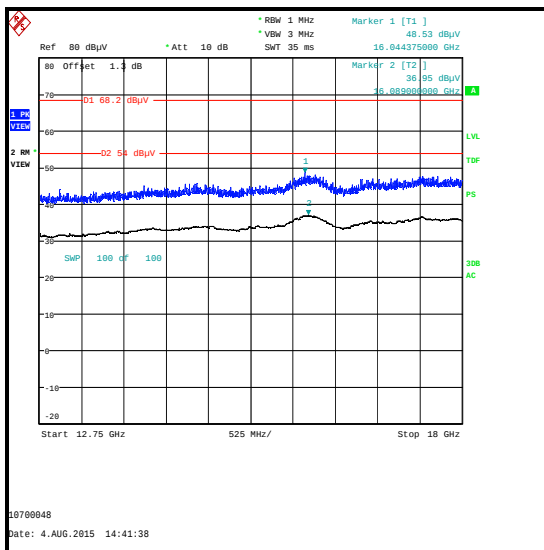
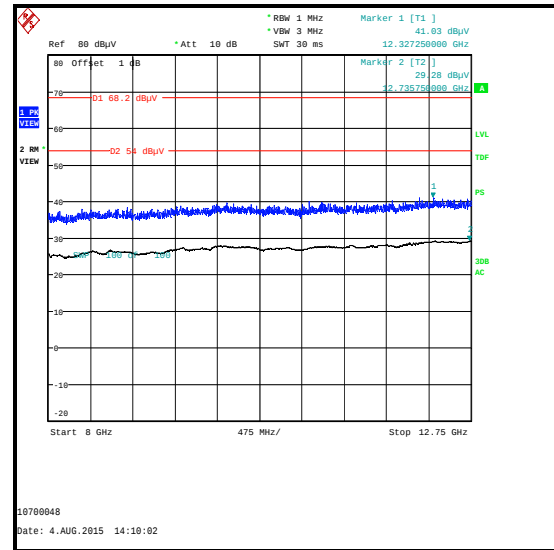
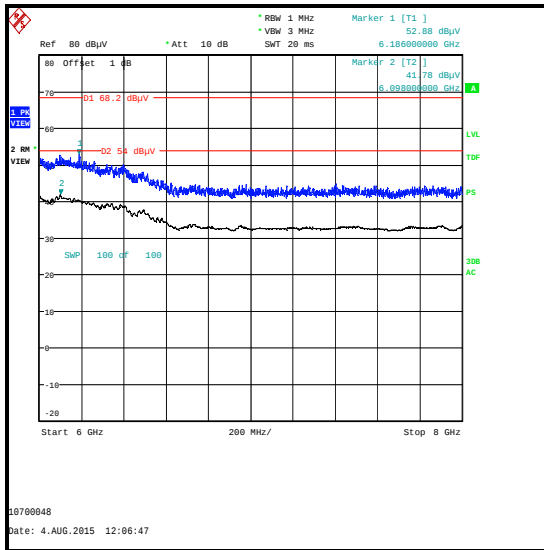
Frequency (MHz)	Antenna Polarity	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
4256.430	Vertical	58.4	74.0	15.6	Complied

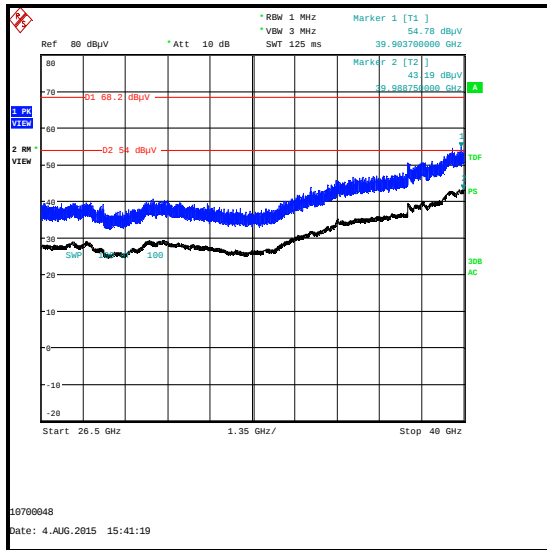
Frequency (MHz)	Antenna Polarity	Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
4255.840	Vertical	46.3	54.0	7.7	Complied

Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / Plate Antenna**

4.5 GHz to 5.46 GHz
Refer to Transmitter Band Edge Emissions
section of this test report



Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / Plate Antenna**

Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / Plate Antenna**

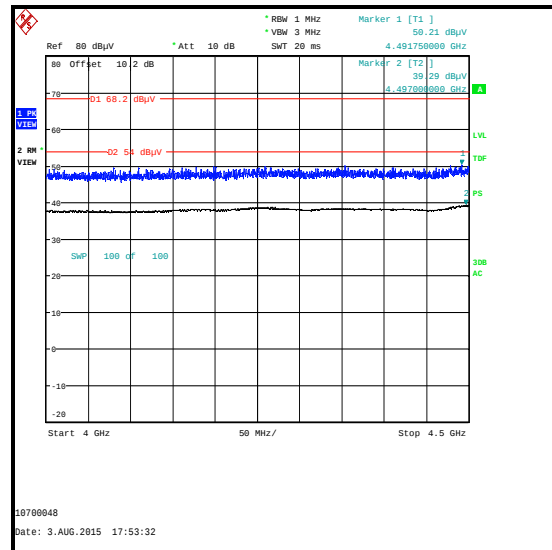
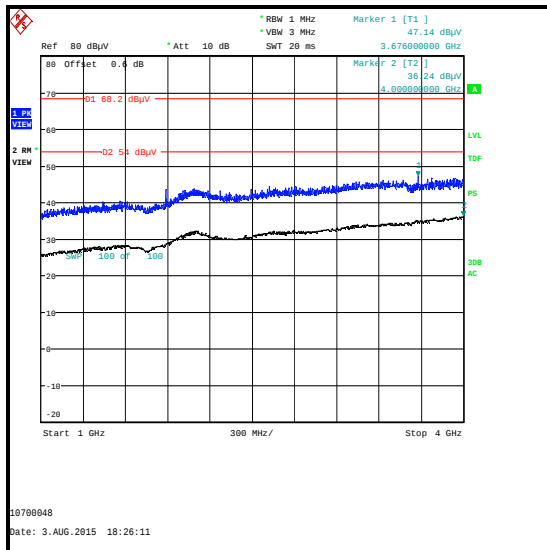
Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / Sectorised Antenna**

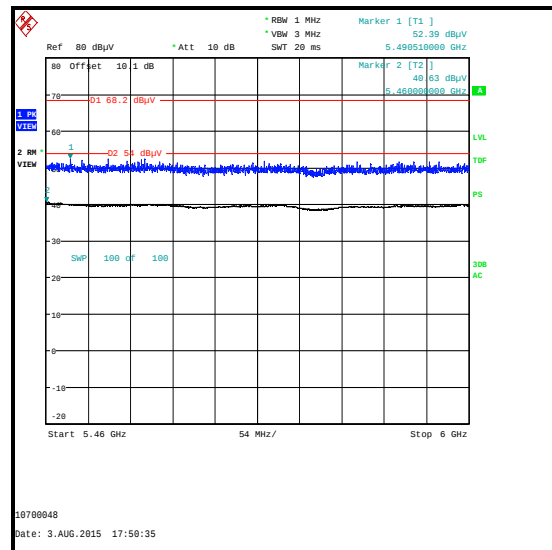
Frequency (MHz)	Antenna Polarity	Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
39907.750	Vertical	54.4	74.0	19.6	Complied

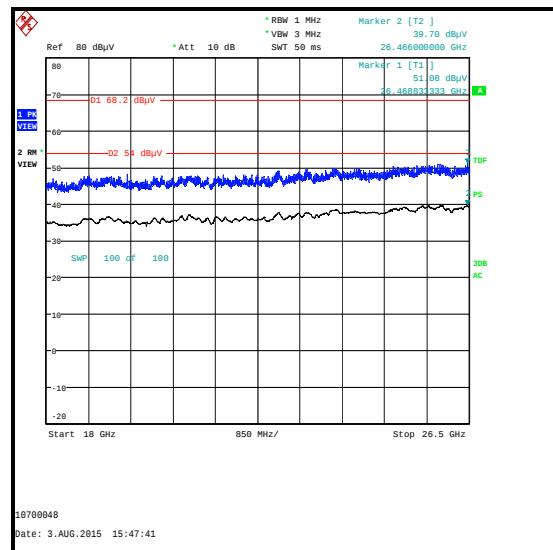
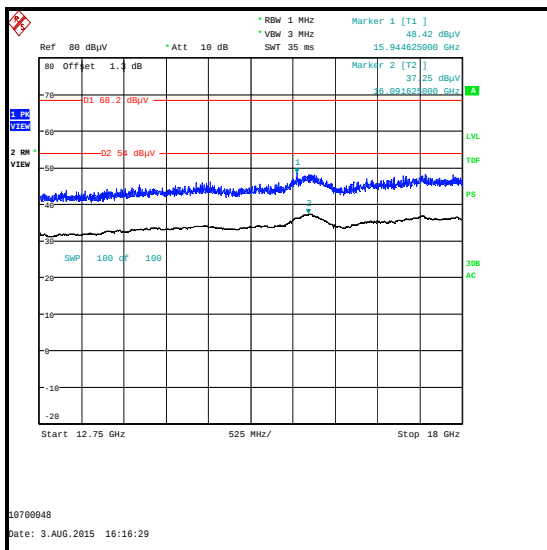
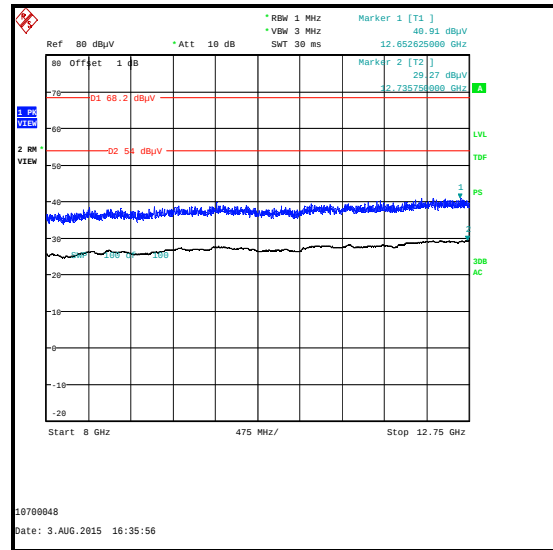
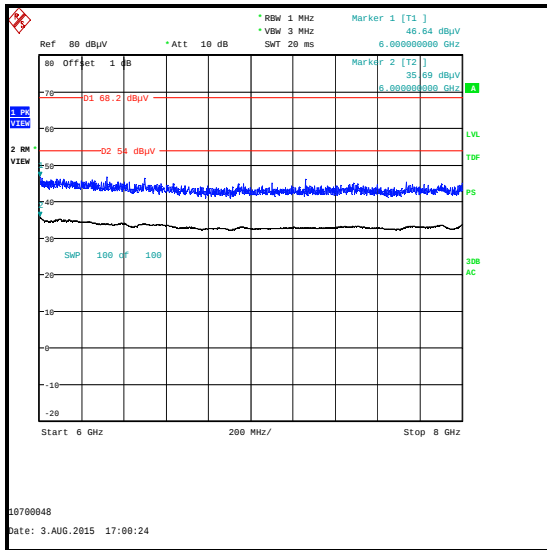
Results: Middle Channel / BPSK / Sectorised Antenna

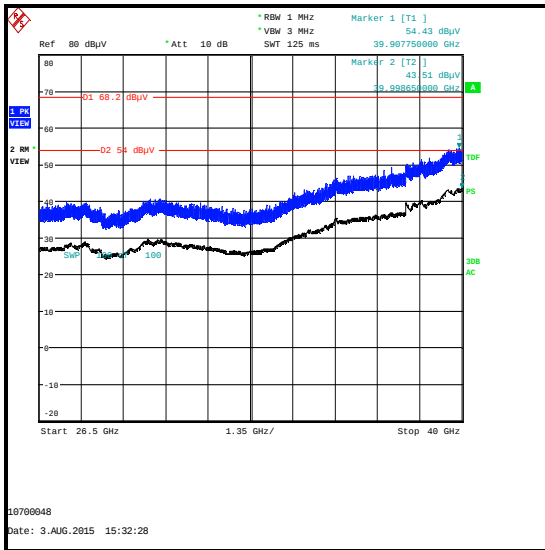
Frequency (MHz)	Antenna Polarity	Average Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
39998.650	Vertical	43.5	54.0	10.5	Complied



4.5 GHz to 5.46 GHz
Refer to Transmitter Band Edge Emissions
section of this test report



Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / Sectorised Antenna**

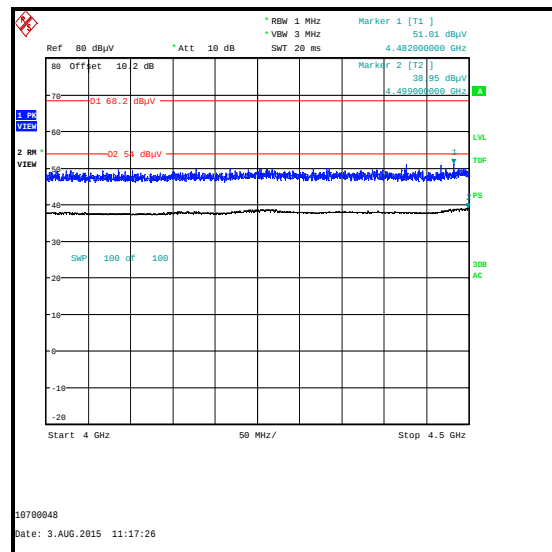
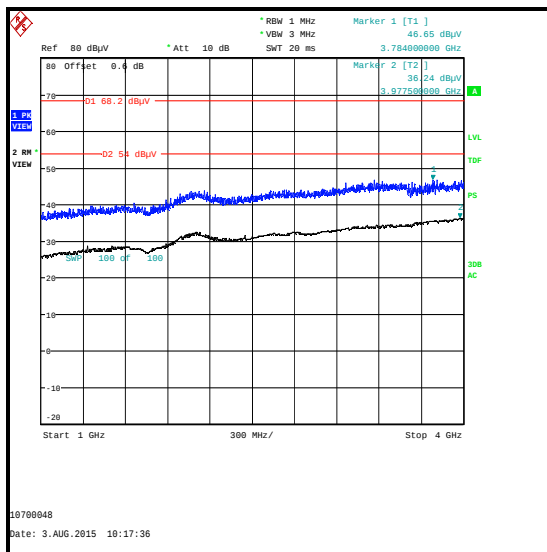
Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / Sectorised Antenna**

Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / Omnidirectional Antenna**

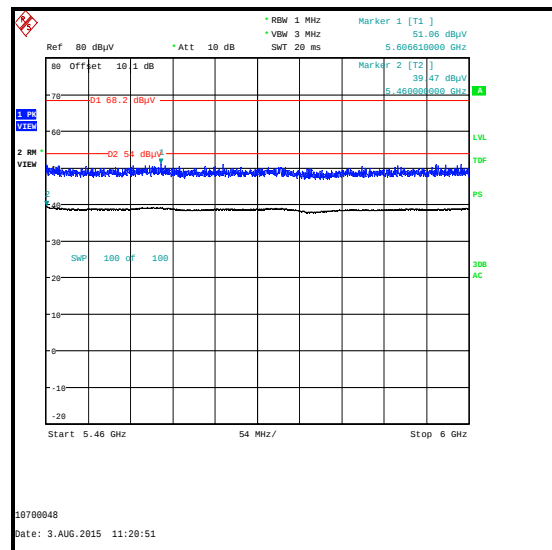
Frequency (MHz)	Antenna Polarity	Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
39972.550	Vertical	54.3	74.0	19.7	Complied

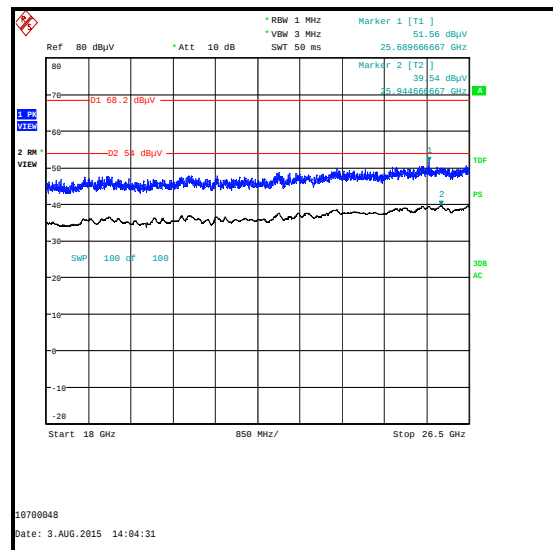
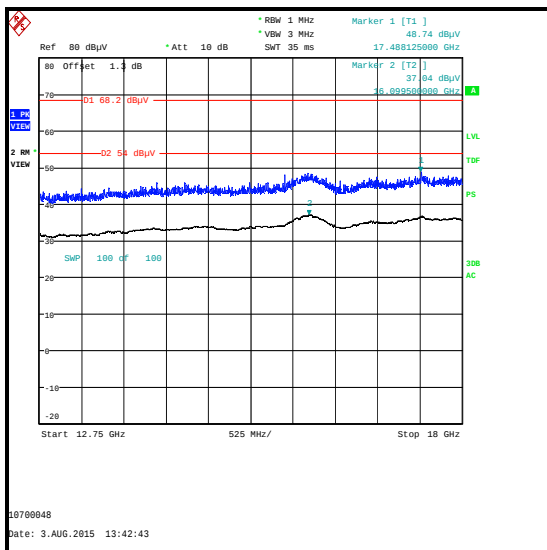
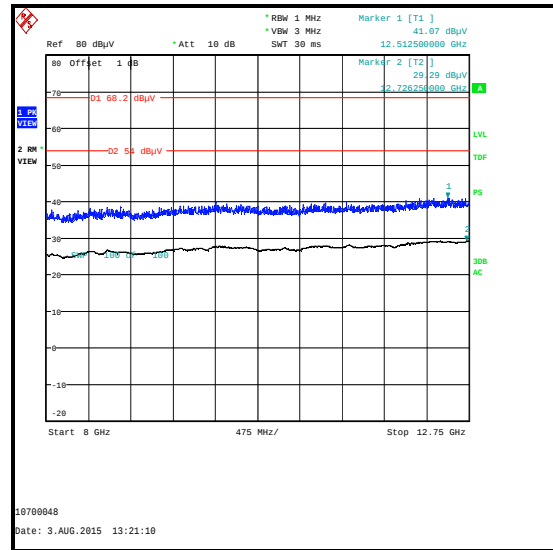
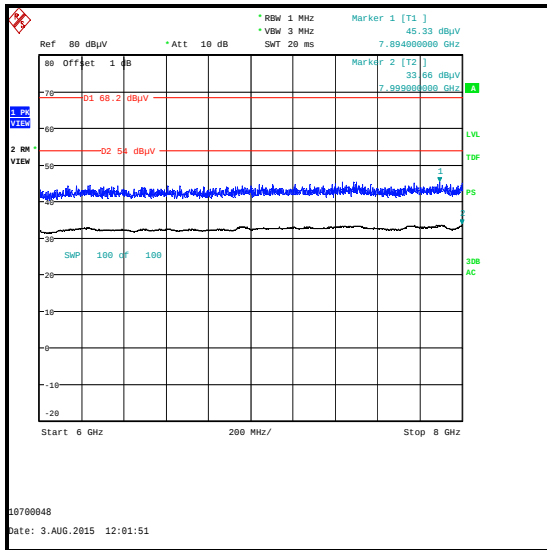
Results: Middle Channel / BPSK / Omnidirectional Antenna

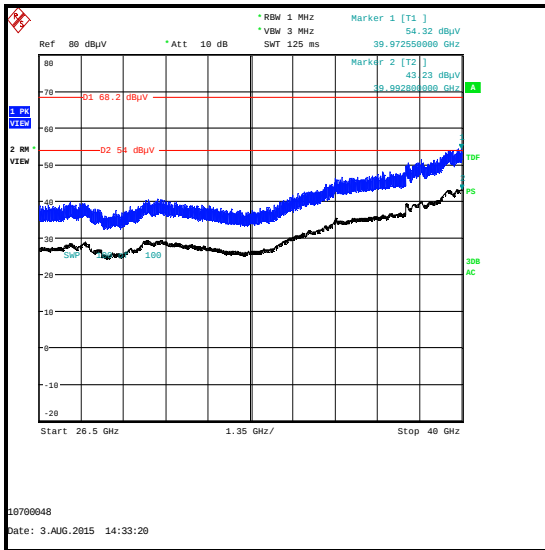
Frequency (MHz)	Antenna Polarity	Average Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
39992.800	Vertical	43.2	54.0	10.8	Complied



4.5 GHz to 5.46 GHz
Refer to Transmitter Band Edge Emissions
section of this test report



Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / Omnidirectional Antenna**

Transmitter Out of Band Radiated Emissions 5.25-5.35 GHz Band (continued)**Results: Middle Channel / BPSK / Omnidirectional Antenna**

Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Bottom Channel / BPSK / 2' Parabolic Antenna**

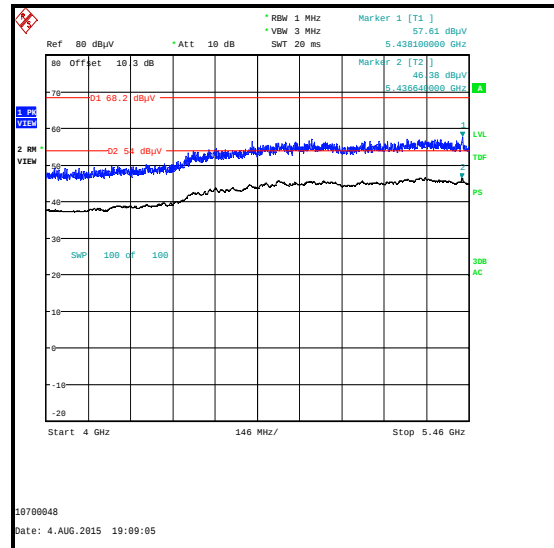
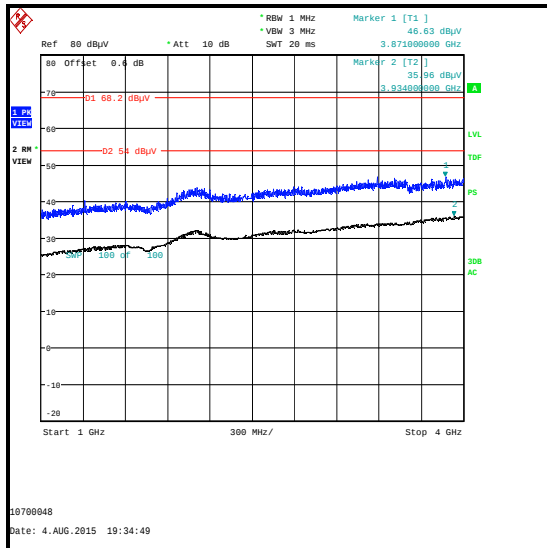
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5433.220	Vertical	-37.1	-27.0	10.1	Complied

Results: Middle Channel / BPSK / 2' Parabolic Antenna

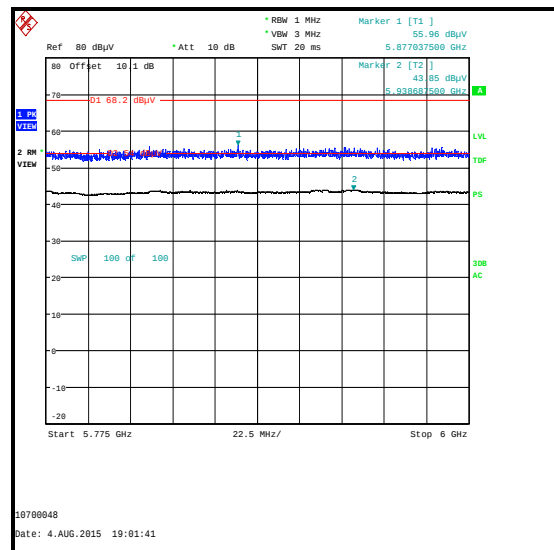
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5436.280	Vertical	-36.8	-27.0	9.8	Complied

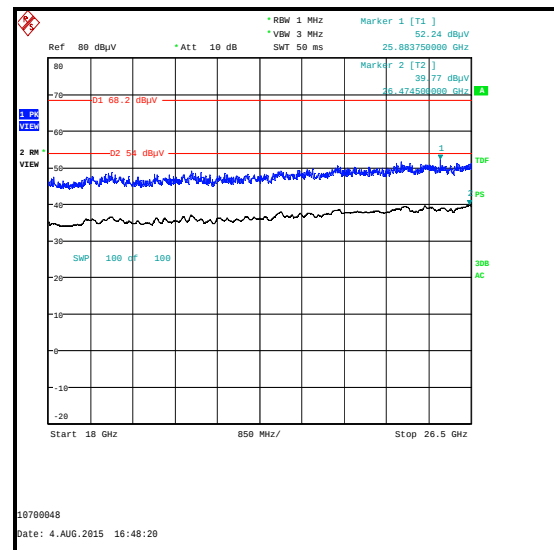
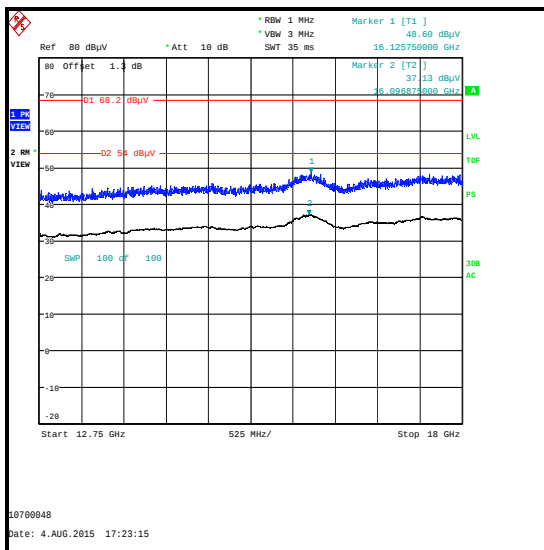
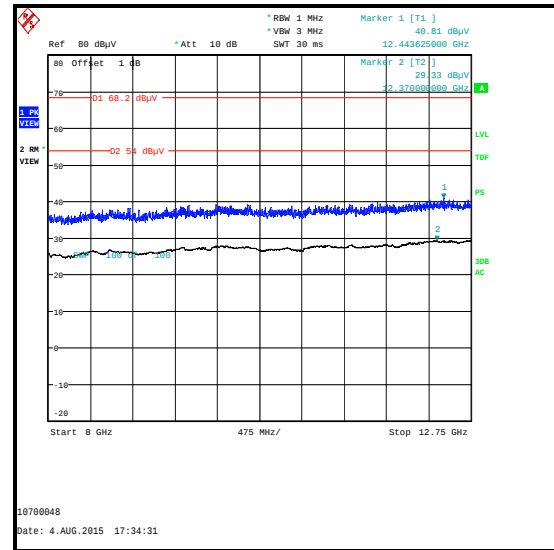
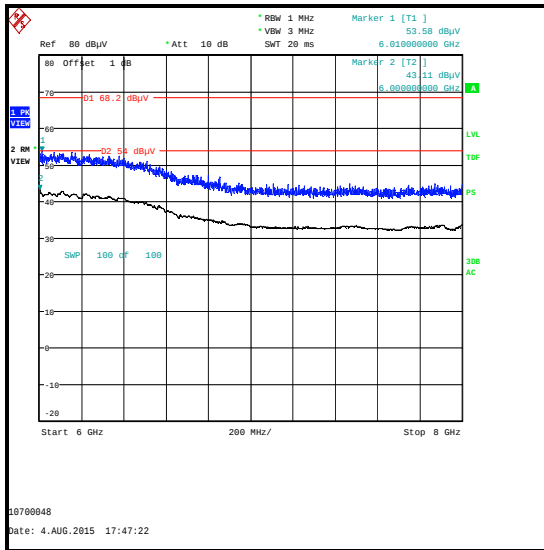
Results: Top Channel / BPSK / 2' Parabolic Antenna

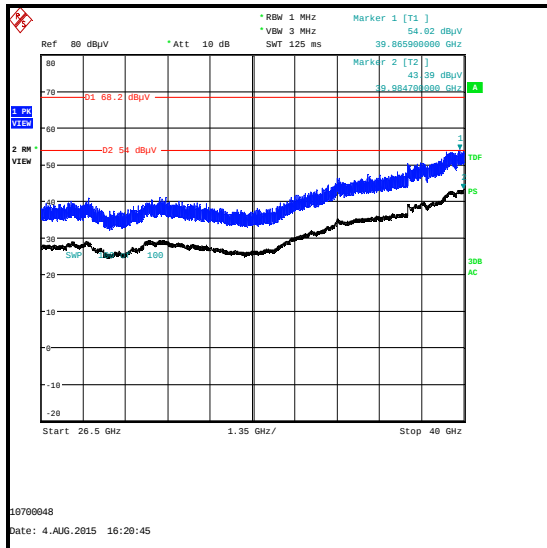
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5442.790	Vertical	-37.9	-27.0	10.9	Complied

Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / 2' Parabolic Antenna**

5.46 GHz to 5.775 GHz
Refer to Transmitter Band Edge Emissions
section of this test report



Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / 2' Parabolic Antenna**

Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / 2' Parabolic Antenna**

Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Bottom Channel / BPSK / Plate Antenna**

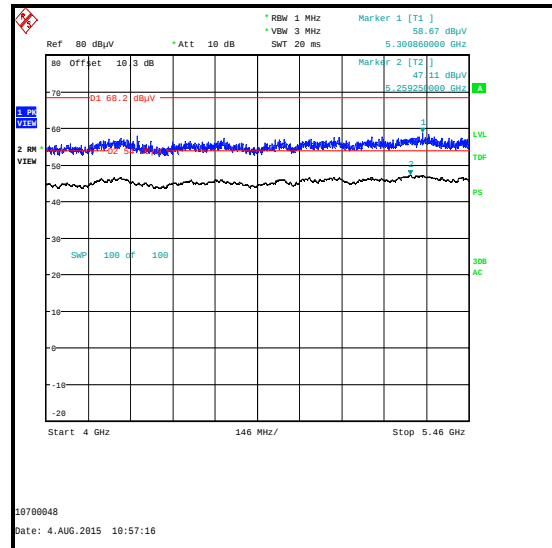
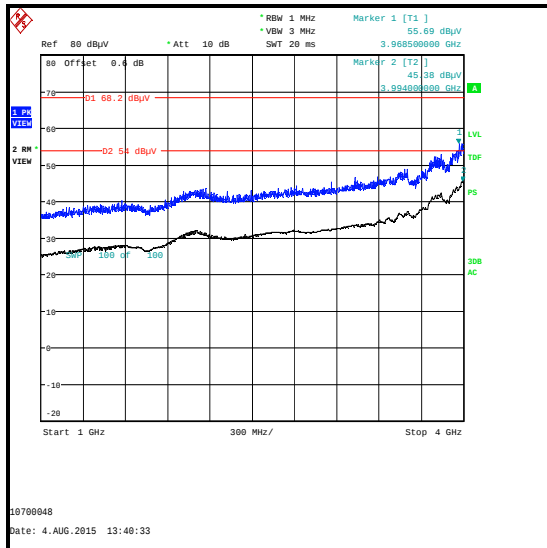
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5303.110	Vertical	-36.3	-27.0	9.3	Complied

Results: Middle Channel / BPSK / Plate Antenna

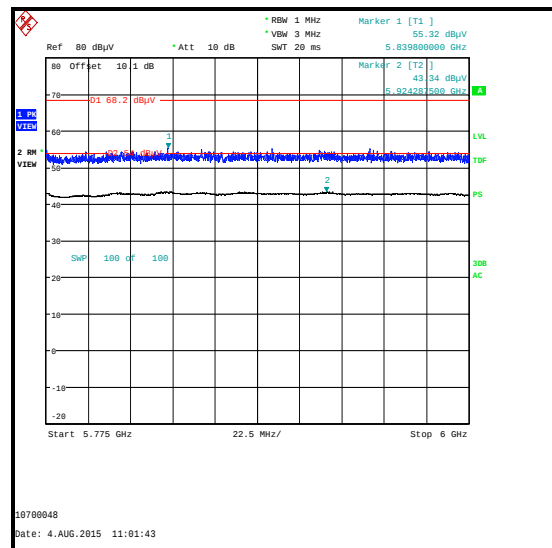
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5295.580	Vertical	-36.2	-27.0	9.2	Complied

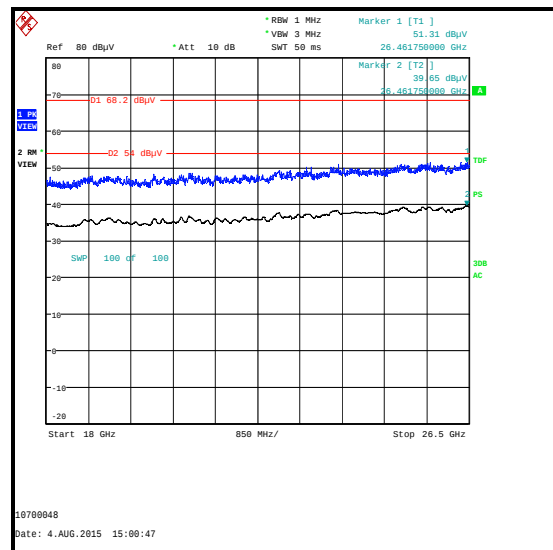
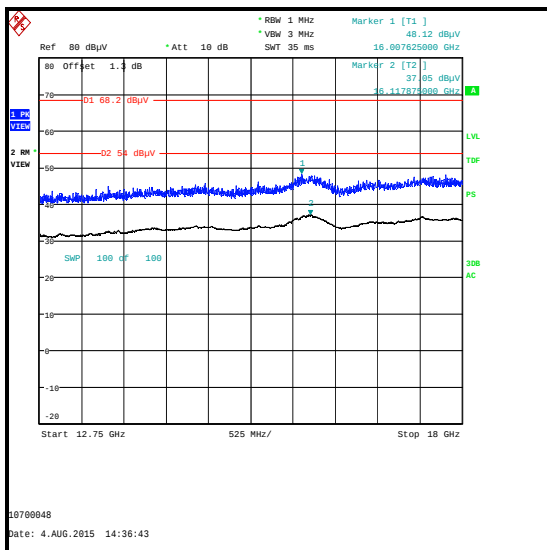
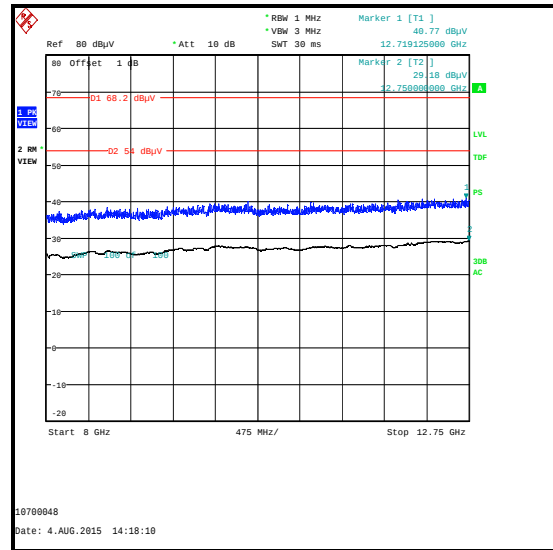
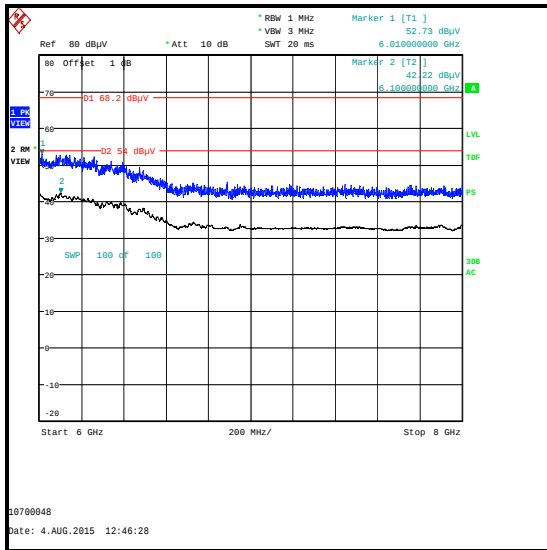
Results: Top Channel / BPSK / Plate Antenna

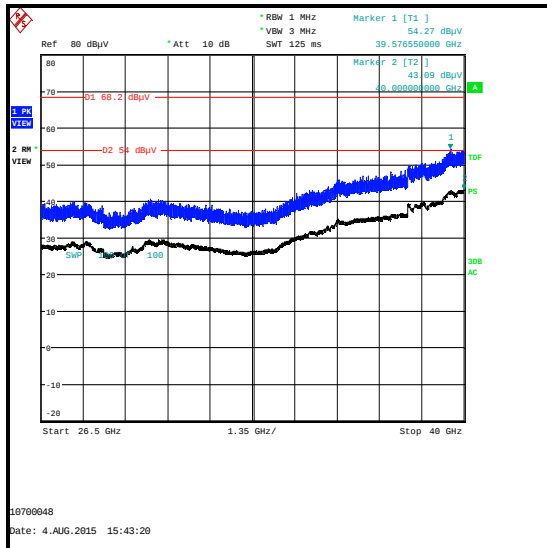
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5297.790	Vertical	-36.4	-27.0	9.4	Complied

Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / Plate Antenna**

5.46 GHz to 5.775 GHz
Refer to Transmitter Band Edge Emissions
section of this test report



Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / Plate Antenna**

Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / Plate Antenna**

Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Bottom Channel / BPSK / Sectorised Antenna**

Frequency (MHz)	Antenna Polarity	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5116.330	Vertical	52.6	74.0	21.4	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5121.875	Vertical	40.6	54.0	13.4	Complied

Results: Middle Channel / BPSK / Sectorised Antenna

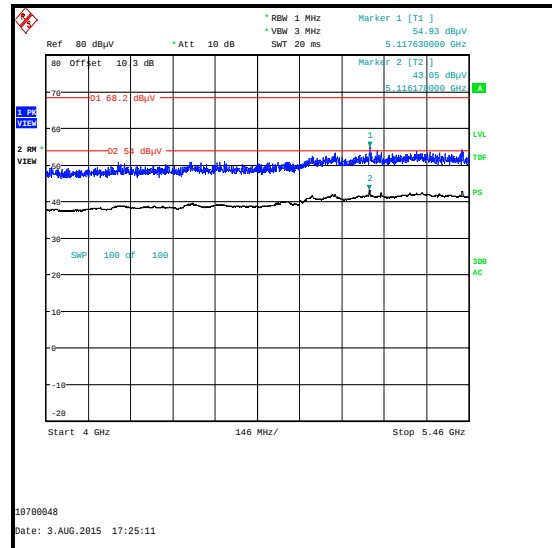
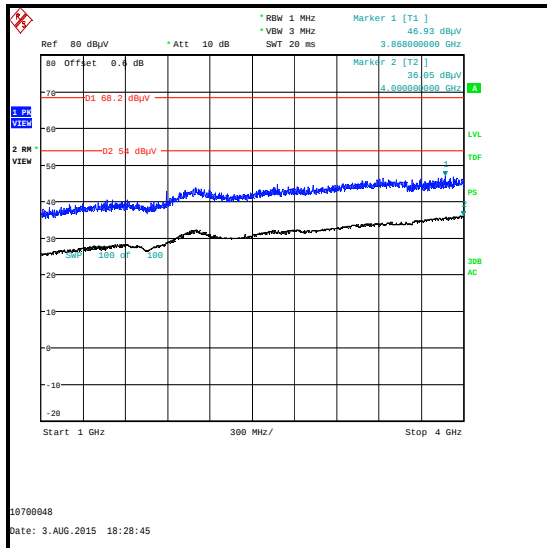
Frequency (MHz)	Antenna Polarity	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5117.660	Vertical	54.6	74.0	19.4	Complied

Frequency (MHz)	Antenna Polarity	Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5118.400	Vertical	42.8	54.0	11.2	Complied

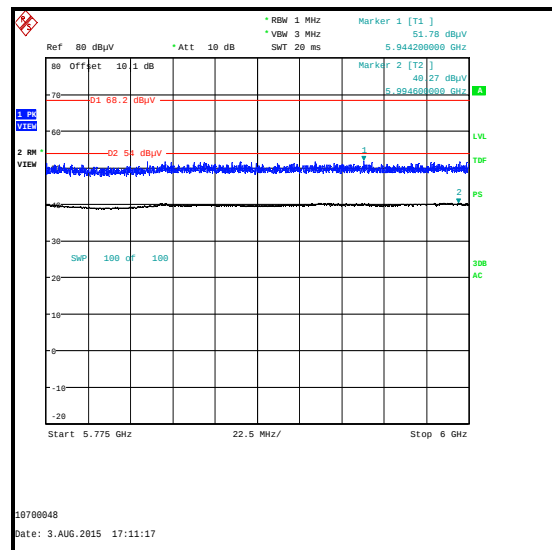
Results: Top Channel / BPSK / Sectorised Antenna

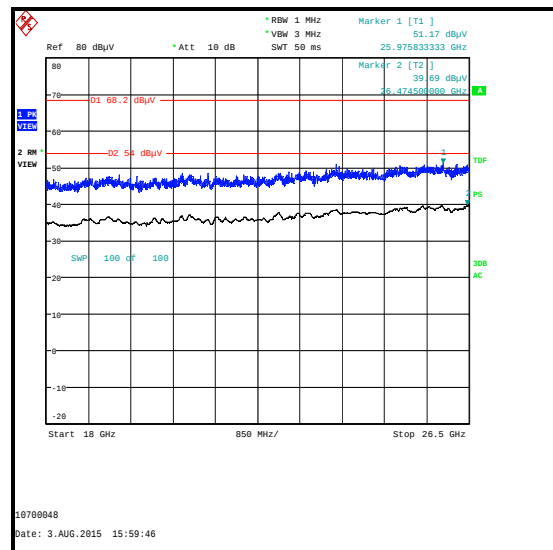
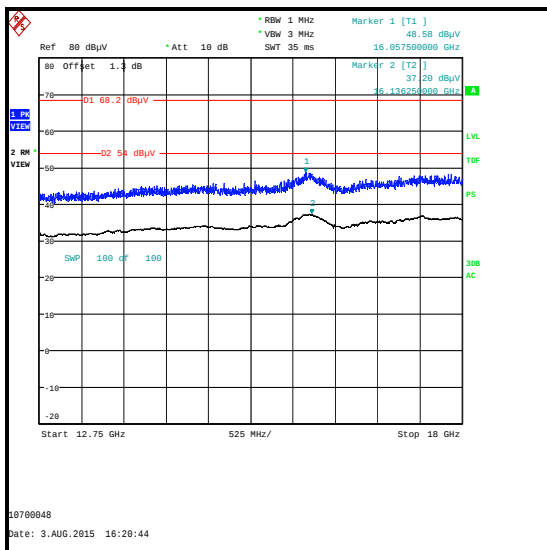
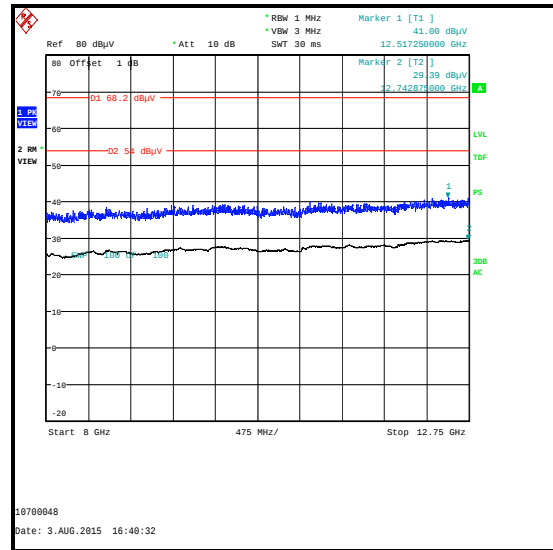
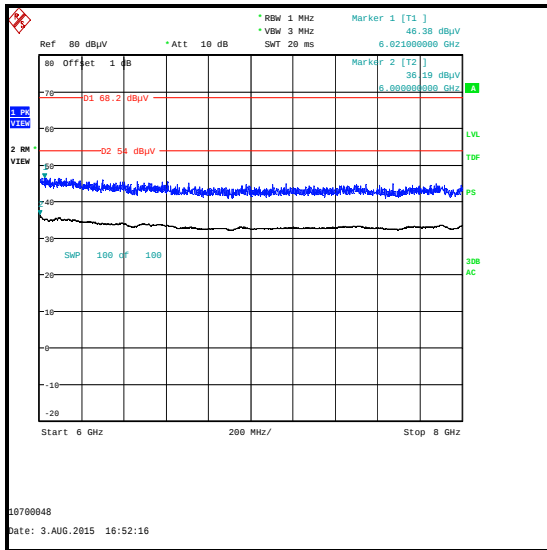
Frequency (MHz)	Antenna Polarity	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5119.445	Vertical	53.0	74.0	21.0	Complied

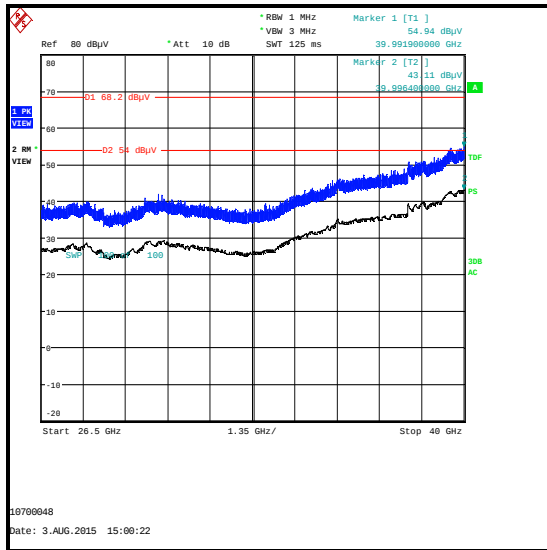
Frequency (MHz)	Antenna Polarity	Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5122.505	Vertical	40.8	54.0	13.2	Complied

Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / Sectorised Antenna**

5.46 GHz to 5.775 GHz
Refer to Transmitter Band Edge Emissions
section of this test report



Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / Sectorised Antenna**

Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / Sectorised Antenna**

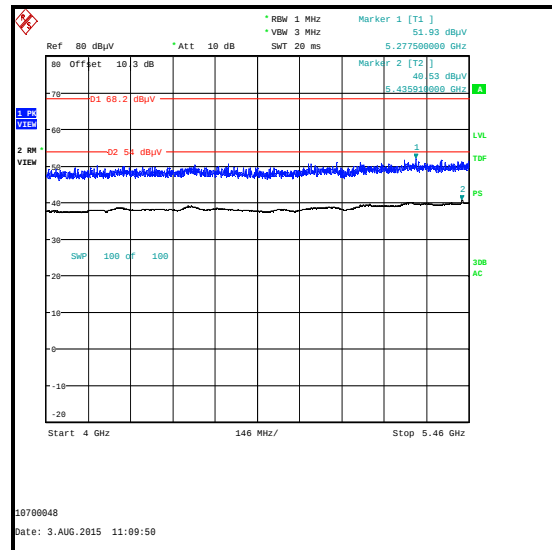
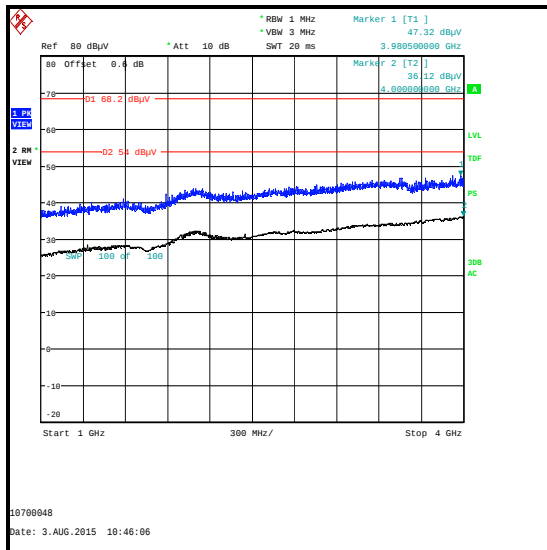
Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / Omnidirectional Antenna**

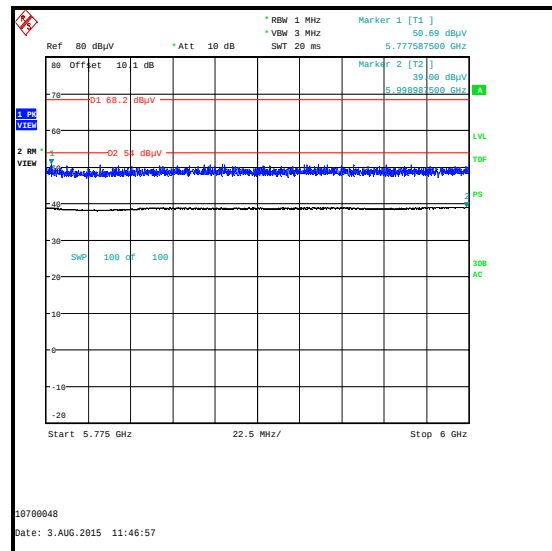
Frequency (MHz)	Antenna Polarity	Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
39889.300	Vertical	54.3	74.0	19.7	Complied

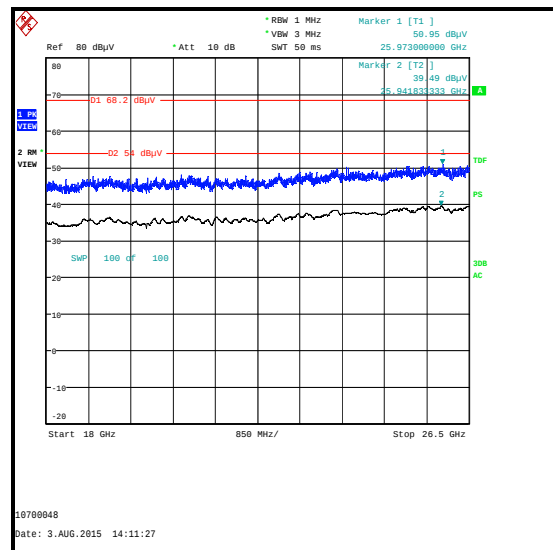
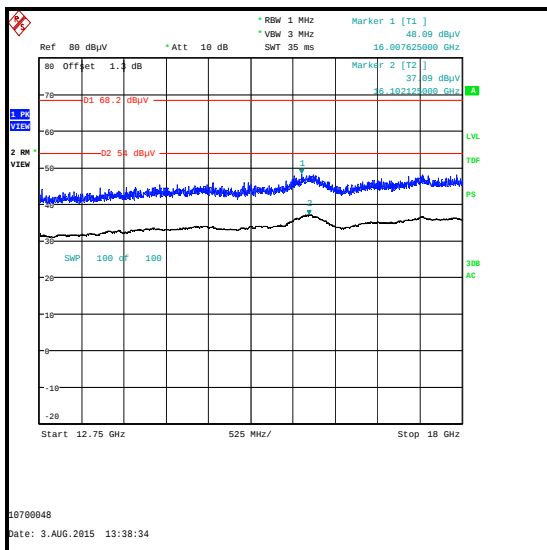
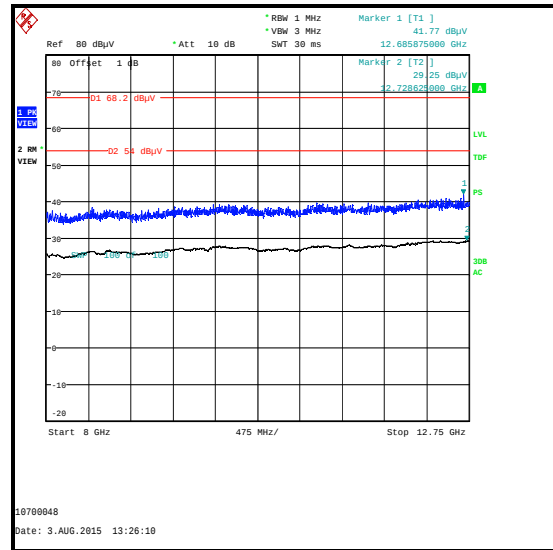
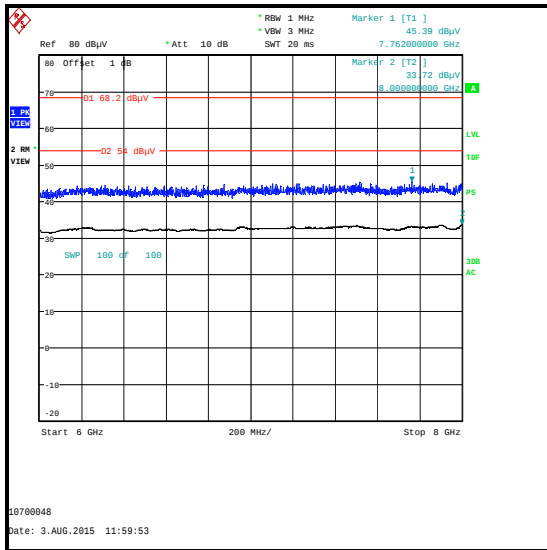
Results: Middle Channel / BPSK / Omnidirectional Antenna

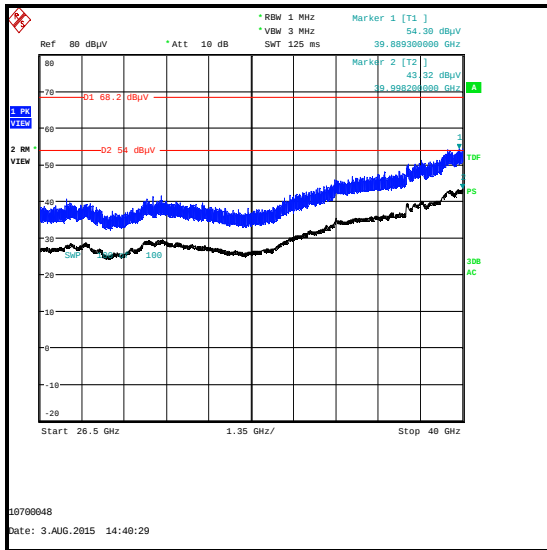
Frequency (MHz)	Antenna Polarity	Average Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
39998.200	Vertical	43.3	54.0	10.7	Complied



5.46 GHz to 5.775 GHz
Refer to Transmitter Band Edge Emissions
section of this test report



Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / Omnidirectional Antenna**

Transmitter Out of Band Radiated Emissions 5.47-5.725 GHz Band (continued)**Results: Middle Channel / BPSK / Omnidirectional Antenna**

Transmitter Out of Band Radiated Emissions (continued)**Test Equipment Used:**

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
K0001	5m RSE Chamber	Rainford EMC	N/A	N/A	19 Mar 2016	12
K0002	3m RSE Chamber	Rainford EMC	N/A	N/A	01 May 2016	12
M1273	Test Receiver	Rohde & Schwarz	ESIB 26	100275	19 Mar 2016	12
G0543	Preamplifier	Sonoma	310N	230801	06 Nov 2015	3
A1534	Preamplifier	Hewlett Packard	8449B	3008A00405	21 Dec 2015	12
M1874	Test Receiver	Rohde & Schwarz	ESU26	100553	12 Jun 2016	12
A2134	Low Pass Filter	AtlanTecRF	AFL-05000	300195	17 Apr 2016	12
A1834	RF Attenuator	Hewlett Packard	8491B	10444	05 Mar 2016	12
A1980	High Pass Filter	AtlanTecRF	AFH-06000	09110900393	17 Apr 2016	12
A1818	Antenna	EMCO	3115	00075692	20 Dec 2015	12
A1396	RF Attenuator	Huber & Suhner	6810.17.B	757987	05 May 2016	12
A288	Antenna	Chase	CBL6111A	1589	21 Aug 2015	12
A253	Antenna	Flann Microwave	12240-20	128	20 Dec 2015	12
A254	Antenna	Flann Microwave	14240-20	139	20 Dec 2015	12
A255	Antenna	Flann Microwave	16240-20	519	20 Dec 2015	12
A256	Antenna	Flann Microwave	18240-20	400	20 Dec 2015	12
A436	Antenna	Flann Microwave	20249-20	330	20 Dec 2015	12
A203	WG 22 Microwave Horn	Flann Microwave	22240-20	343	19 May 2016	36
A1785	26.5 GHz to 40 GHz Preamplifier	Farran Technology	FLNA-28-30	FTL 6483	09 Jan 2016	12
M1630	Spectrum Analyser	Rohde & Schwarz	ESU 40	100233	20 Feb 2016	12
M1656	Thermohygrometer	JM Handelspunkt	30.5015.13	Not stated	23 Apr 2016	12

5.2.6. Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band)**Test Summary:**

Test Engineer:	Georgios Vrezas	Test Dates:	14 October 2015 & 20 October 2015
Test Sample Serial Number:	0004565800D6		

FCC Reference:	Parts 15.407(b)(2) & 15.209(a)
Test Method Used:	ANSI C63.10 Section 6.10 & FCC KDB 789033 Section II.G

Environmental Conditions:

Temperature (°C):	24 to 25
Relative Humidity (%):	32 to 40

Note(s):

1. All modes were initially tested and BPSK was found to produce the widest bandwidth, band edge tests were performed in this mode. The EUT was transmitting with >99% duty cycle and at maximum power for bottom or top channel according to the antenna being used (refer to Section 4.2 of this test report). All antennas types were tested. The EUT was connected to each antenna using the supplied RF cables.
2. Lower band edge measurements were performed with the EUT transmitting on the bottom channel of the 5.25-5.35 GHz band. The lower band edge plots show a frequency line at 5.15 GHz. A restricted band of operation exists from 4.5 GHz to 5.15 GHz. A peak limit of 74 dBµV/m and an average limit of 54 dBµV/m applies in the restricted band. Tests were performed as field strength measurements at a measurement distance of 3 metres. Markers were placed on the peak and average traces at 5.15 GHz.
3. Upper band edge measurements were performed with the EUT transmitting on the top channel of the 5.25-5.35 GHz band. The upper band edge plots show an upper band edge frequency line at 5.35 GHz. A restricted band of operation exists from 5.35 GHz to 5.46 GHz. A peak limit of 74 dBµV/m and an average limit of 54 dBµV/m applies in the restricted band. Tests were performed as field strength measurements at a measurement distance of 3 metres. Markers were placed on the peak and average traces at the band edge frequency of 5.35 GHz.
4. The blue trace on the result plots shows the peak level and the black trace shows the average level.

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: 4' Parabolic Antenna / 5 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5134.133	61.6	74.0	12.4	Complied
5150	59.1	74.0	14.9	Complied

Results: 4' Parabolic Antenna / 5 MHz Channel / BPSK / Lower Band Edge / Average

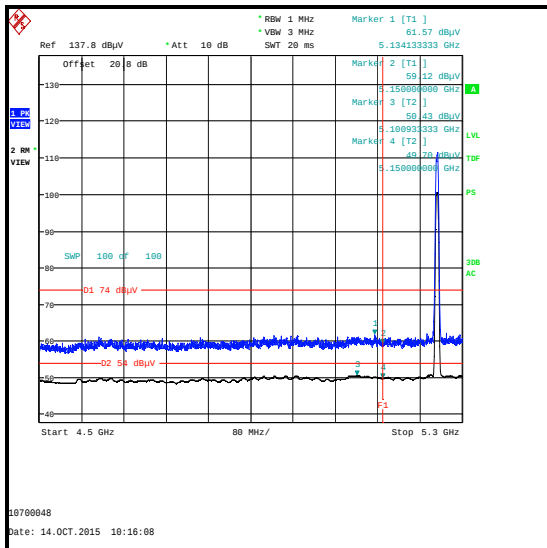
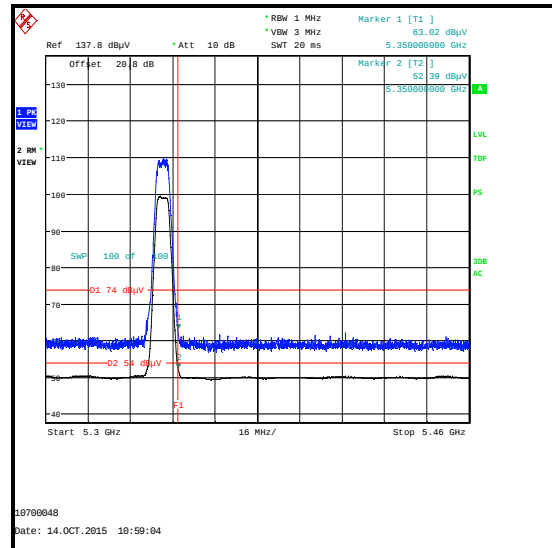
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5100.933	50.4	54.0	3.6	Complied
5150	49.7	54.0	4.3	Complied

Results: 4' Parabolic Antenna / 5 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	63.0	74.0	11.0	Complied

Results: 4' Parabolic Antenna / 5 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	52.4	54.0	1.6	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: 4' Parabolic Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5096	61.0	74.0	13.0	Complied
5150	59.8	74.0	14.2	Complied

Results: 4' Parabolic Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Average

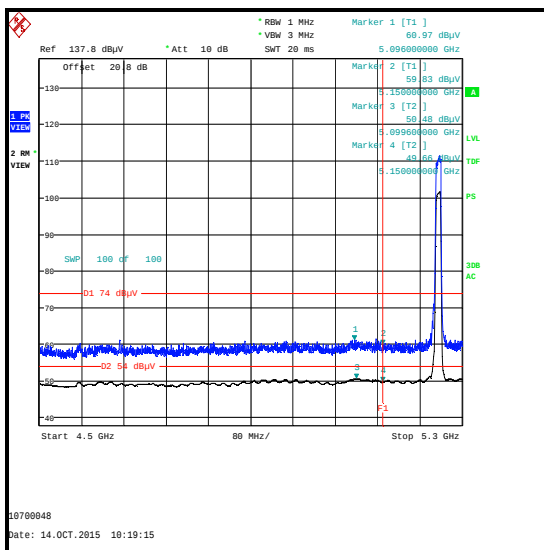
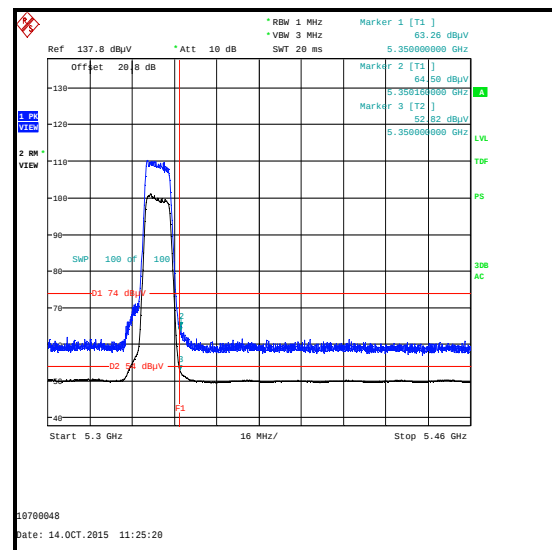
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5099.600	50.5	54.0	3.5	Complied
5150	49.7	54.0	4.3	Complied

Results: 4' Parabolic Antenna / 10 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	63.3	74.0	10.7	Complied
5350.160	64.5	74.0	9.5	Complied

Results: 4' Parabolic Antenna / 10 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	52.8	54.0	1.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: 4' Parabolic Antenna / 15 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5100.800	61.1	74.0	12.9	Complied
5150	59.4	74.0	14.6	Complied

Results: 4' Parabolic Antenna / 15 MHz Channel / BPSK / Lower Band Edge / Average

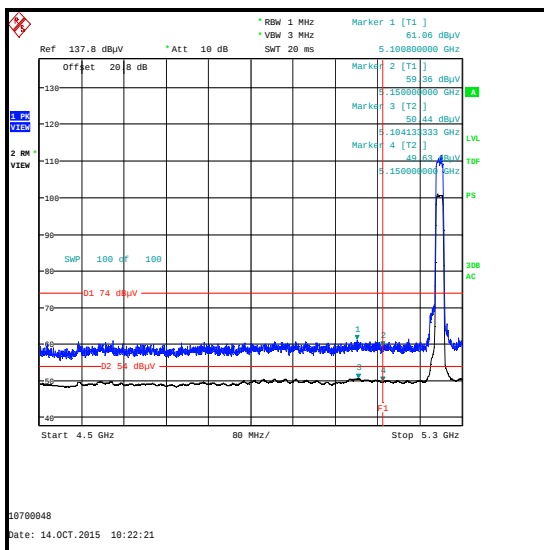
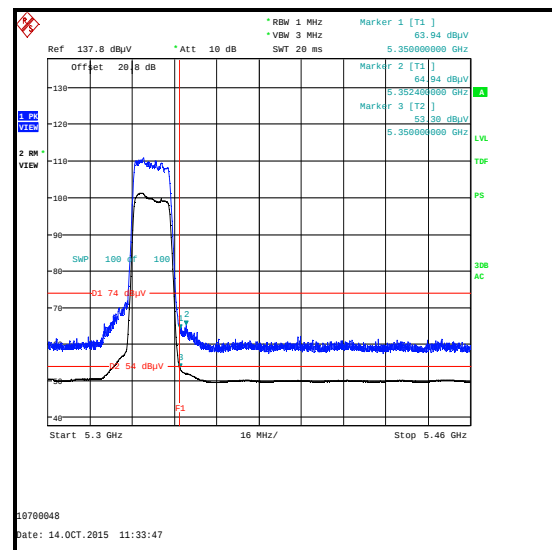
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5104.133	50.4	54.0	3.6	Complied
5150	49.6	54.0	4.4	Complied

Results: 4' Parabolic Antenna / 15 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	63.9	74.0	10.1	Complied
5352.400	64.9	74.0	9.1	Complied

Results: 4' Parabolic Antenna / 15 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	53.3	54.0	0.7	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: 4' Parabolic Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5105.600	62.2	74.0	11.8	Complied
5150	59.1	74.0	14.9	Complied

Results: 4' Parabolic Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Average

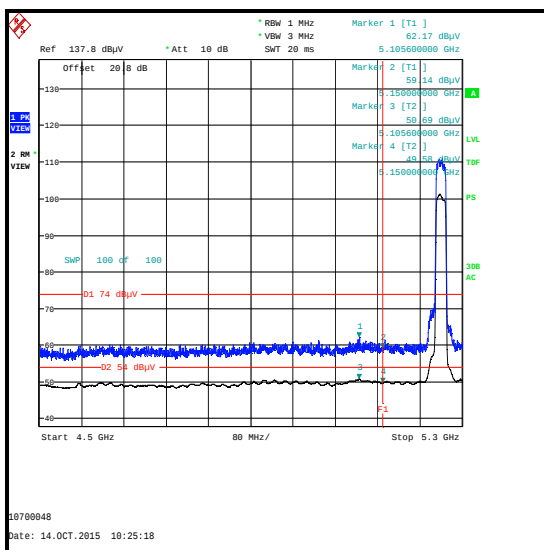
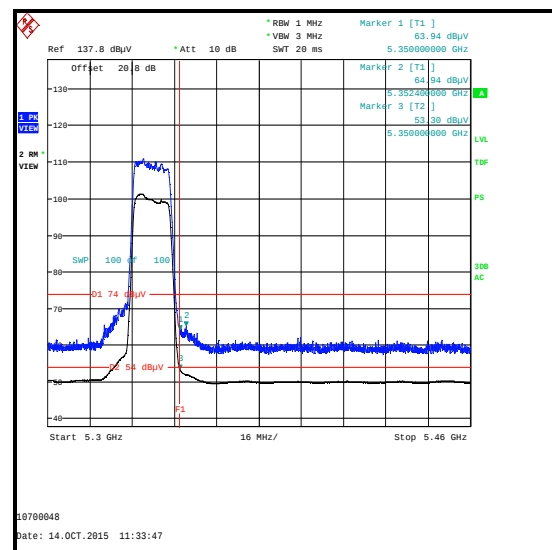
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5105.600	50.7	54.0	3.3	Complied
5150	49.6	54.0	4.4	Complied

Results: 4' Parabolic Antenna / 20 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	63.9	74.0	10.1	Complied
5352.400	64.9	74.0	9.1	Complied

Results: 4' Parabolic Antenna / 20 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	53.3	54.0	0.7	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: 4' Parabolic Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5098.133	62.4	74.0	11.6	Complied
5150	58.4	74.0	15.6	Complied

Results: 4' Parabolic Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Average

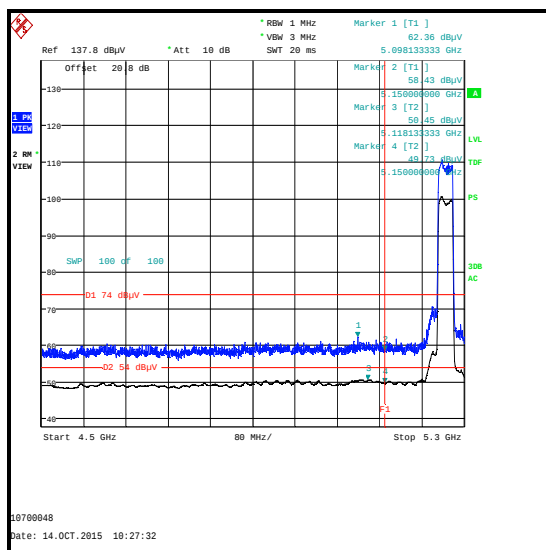
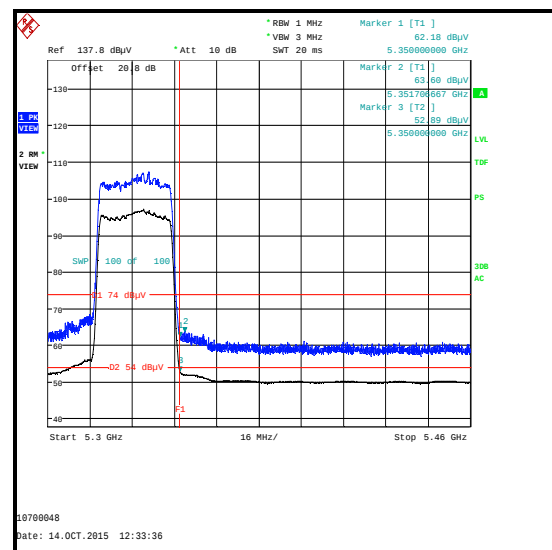
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5118.133	50.5	54.0	3.5	Complied
5150	49.7	54.0	4.3	Complied

Results: 4' Parabolic Antenna / 30 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	62.2	74.0	11.8	Complied
5351.707	63.6	74.0	10.4	Complied

Results: 4' Parabolic Antenna / 30 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	52.9	54.0	1.1	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: 4' Parabolic Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5101.067	61.0	74.0	13.0	Complied
5150	58.7	74.0	15.3	Complied

Results: 4' Parabolic Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Average

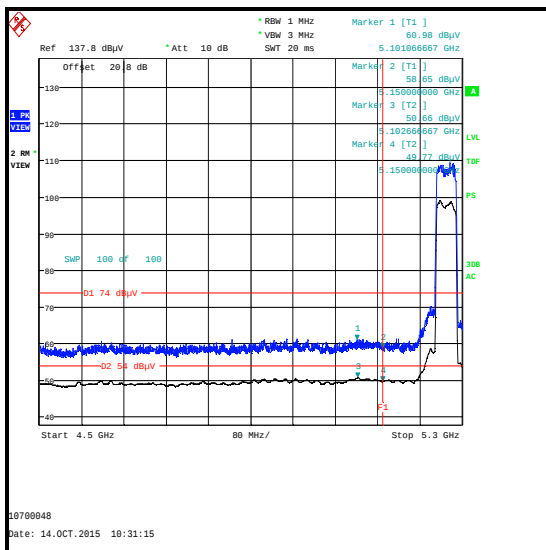
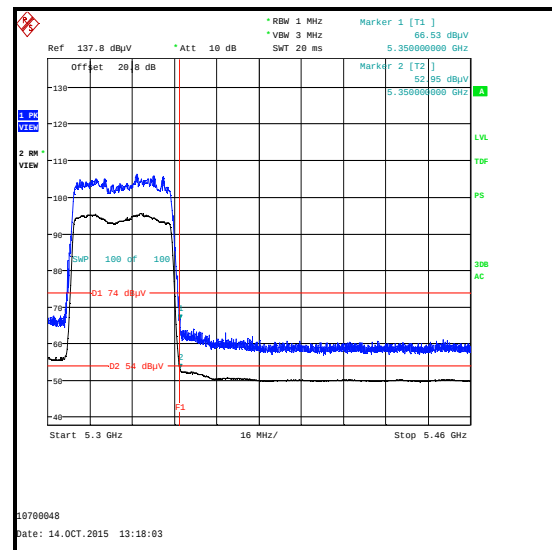
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5102.667	50.7	54.0	3.3	Complied
5150	49.8	54.0	4.2	Complied

Results: 4' Parabolic Antenna / 40 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	66.5	74.0	7.5	Complied

Results: 4' Parabolic Antenna / 40 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	53.0	54.0	1.0	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: 4' Parabolic Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5100.267	61.0	74.0	13.0	Complied
5150	58.6	74.0	15.4	Complied

Results: 4' Parabolic Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Average

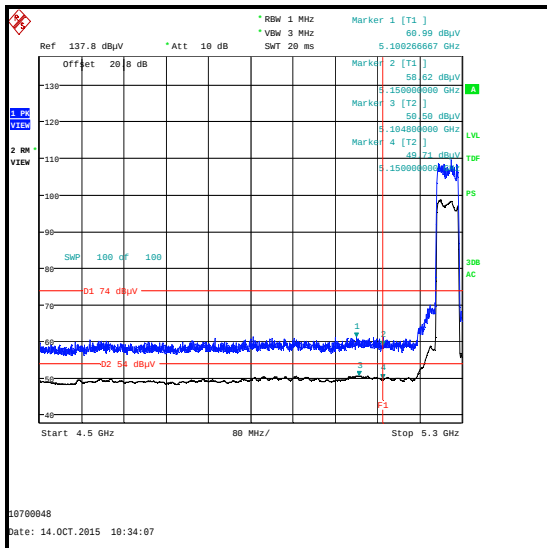
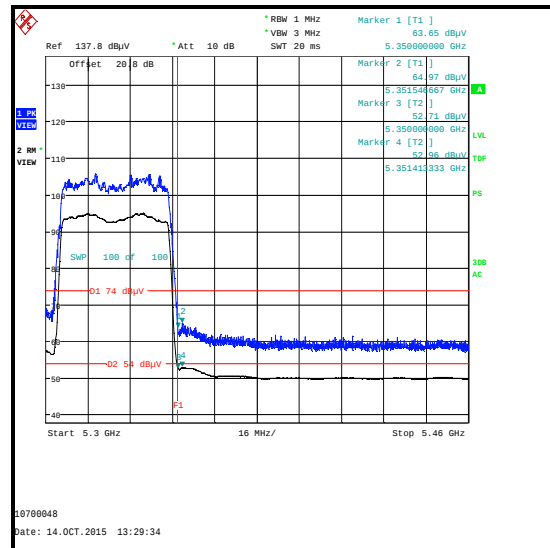
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5104.800	50.5	54.0	3.5	Complied
5150	49.7	54.0	4.3	Complied

Results: 4' Parabolic Antenna / 45 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	63.7	74.0	10.3	Complied
5351.547	65.0	74.0	9.0	Complied

Results: 4' Parabolic Antenna / 45 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	52.7	54.0	1.3	Complied
5351.413	53.0	54.0	1.0	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Plate Antenna / 5 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5132.133	61.4	74.0	12.6	Complied
5150	57.9	74.0	16.1	Complied

Results: Plate Antenna / 5 MHz Channel / BPSK / Lower Band Edge / Average

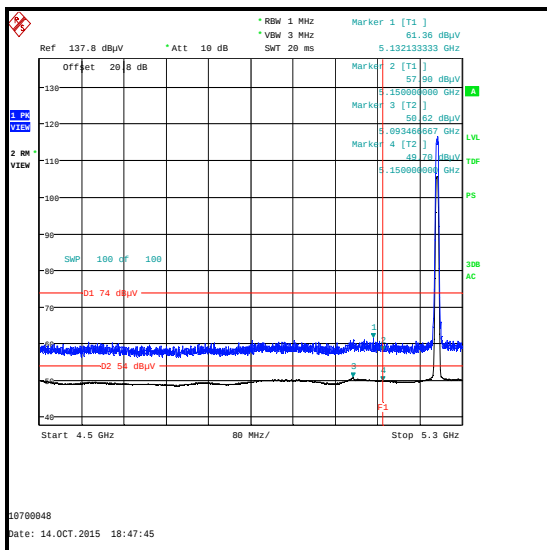
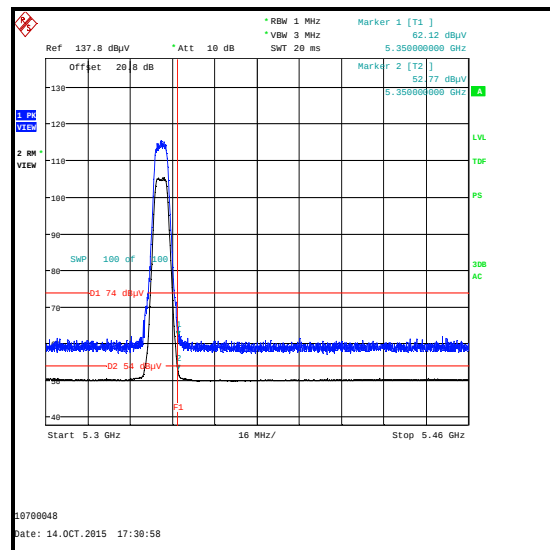
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5093.467	50.6	54.0	3.4	Complied
5150	49.7	54.0	4.3	Complied

Results: Plate Antenna / 5 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	62.1	74.0	11.9	Complied

Results: Plate Antenna / 5 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	52.8	54.0	1.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Plate Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5093.467	62.0	74.0	12.0	Complied
5150-	58.7	74.0	15.3	Complied

Results: Plate Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Average

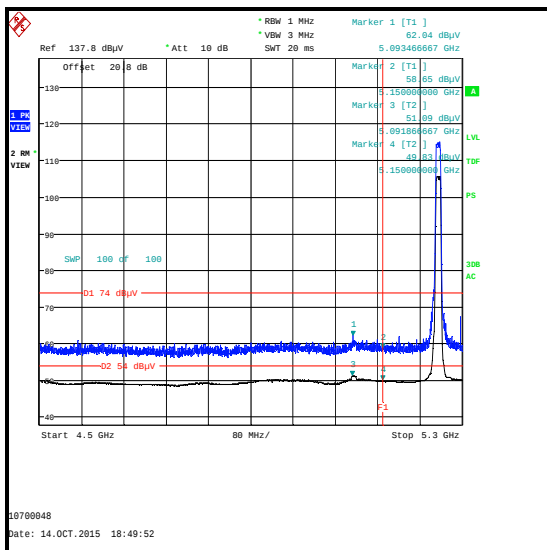
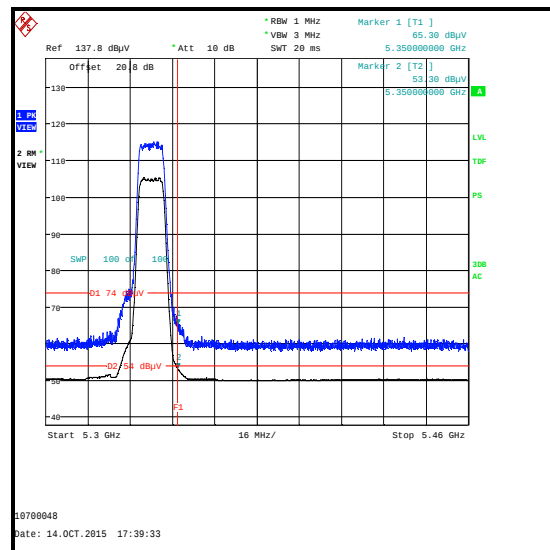
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5091.867	51.1	54.0	2.9	Complied
5150	49.8	54.0	4.2	Complied

Results: Plate Antenna / 10 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	65.3	74.0	8.7	Complied

Results: Plate Antenna / 10 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	53.3	54.0	0.7	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Plate Antenna / 15 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5110	61.7	74.0	12.3	Complied
5150	58.9	74.0	15.1	Complied

Results: Plate Antenna / 15 MHz Channel / BPSK / Lower Band Edge / Average

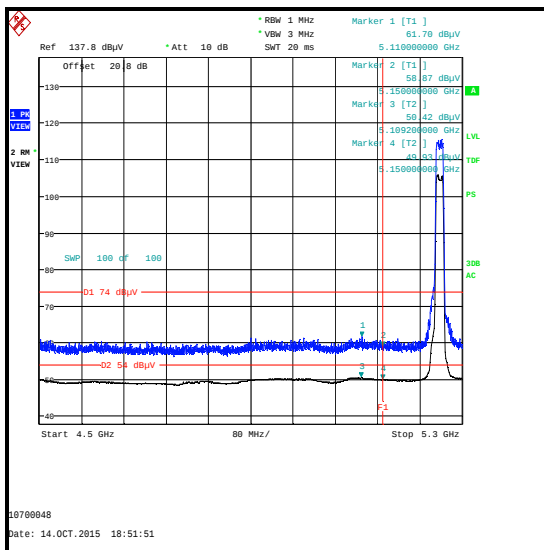
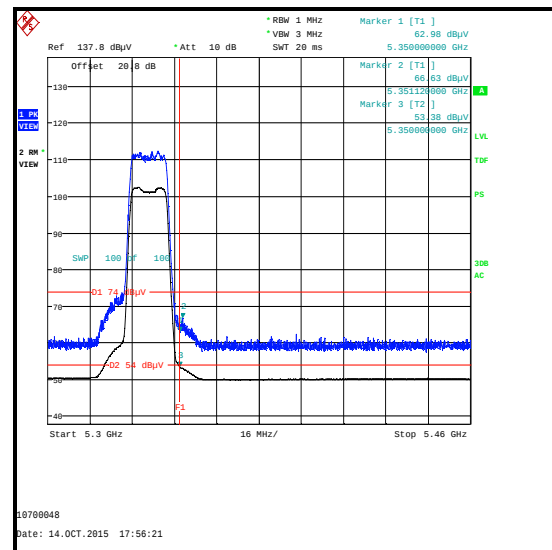
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5109.200	50.4	54.0	3.6	Complied
5150	49.9	54.0	4.1	Complied

Results: Plate Antenna / 15 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	63.0	74.0	11.0	Complied
5351.120	66.6	74.0	7.4	Complied

Results: Plate Antenna / 15 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	53.4	54.0	0.6	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Plate Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5109.467	61.8	74.0	12.2	Complied
5150	60.0	74.0	14.0	Complied

Results: Plate Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Average

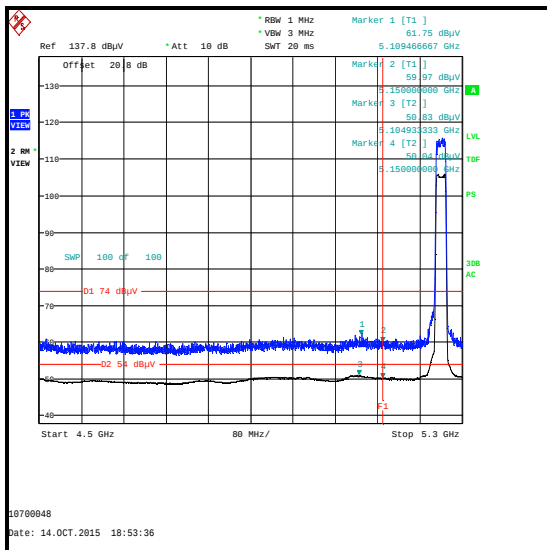
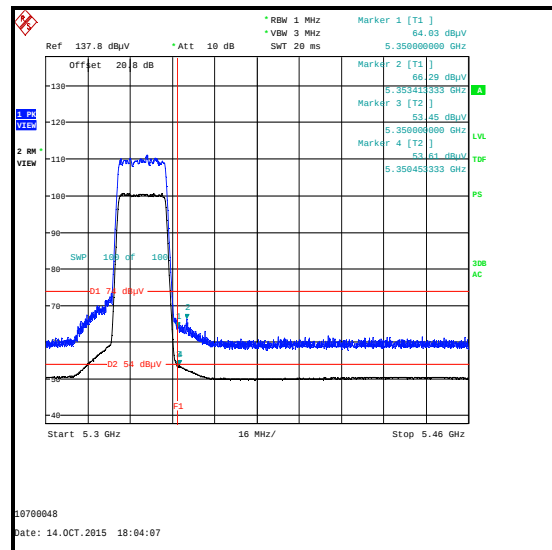
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5104.933	50.8	54.0	3.2	Complied
5150	50.0	54.0	4.0	Complied

Results: Plate Antenna / 20 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	64.0	74.0	10.0	Complied
5353.413	66.3	74.0	7.7	Complied

Results: Plate Antenna / 20 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	53.5	54.0	0.5	Complied
5350.453	53.6	54.0	0.4	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Plate Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5124.933	62.1	74.0	11.9	Complied
5150	58.5	74.0	15.5	Complied

Results: Plate Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Average

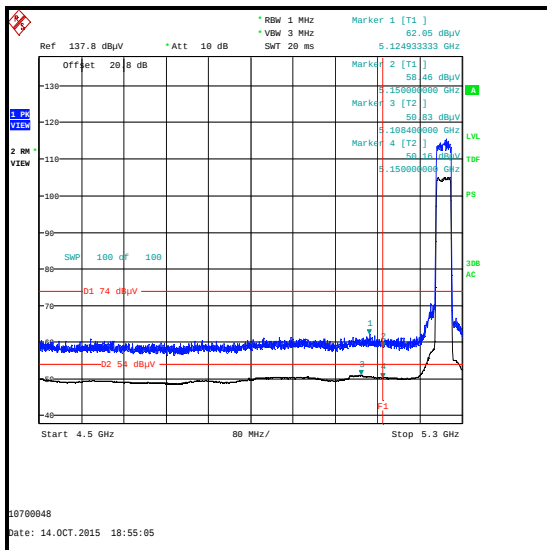
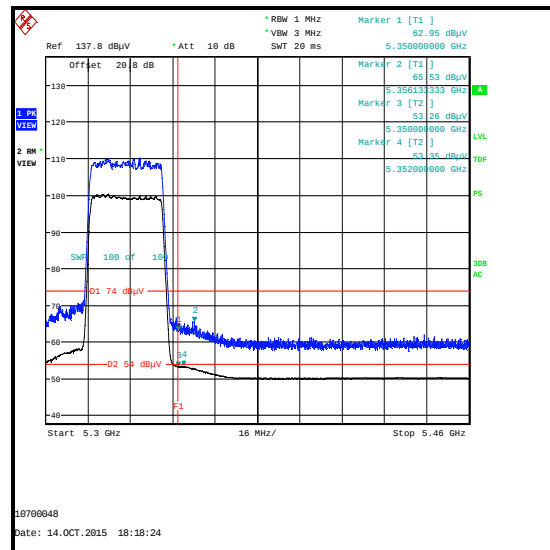
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5108.400	50.8	54.0	3.2	Complied
5150	51.3	54.0	2.7	Complied

Results: Plate Antenna / 30 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	63.0	74.0	11.0	Complied
5356.133	65.5	74.0	8.5	Complied

Results: Plate Antenna / 30 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	53.3	54.0	0.7	Complied
5352	53.4	54.0	0.6	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Plate Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5121.467	62.1	74.0	11.9	Complied
5150	60.4	74.0	13.6	Complied

Results: Plate Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Average

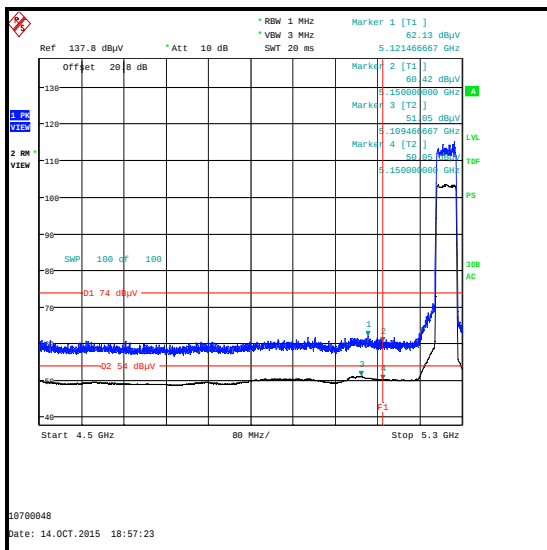
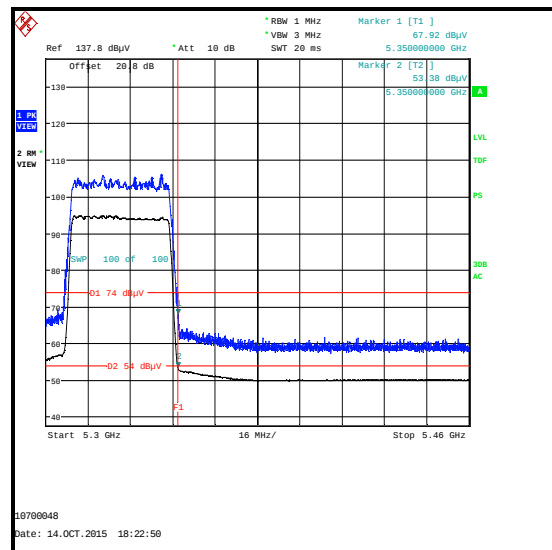
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5109.467	51.1	54.0	2.9	Complied
5150	50.1	54.0	3.9	Complied

Results: Plate Antenna / 40 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	67.9	74.0	6.1	Complied

Results: Plate Antenna / 40 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	53.4	54.0	0.6	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Plate Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5099.067	62.1	74.0	11.9	Complied
5150	59.3	74.0	14.7	Complied

Results: Plate Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Average

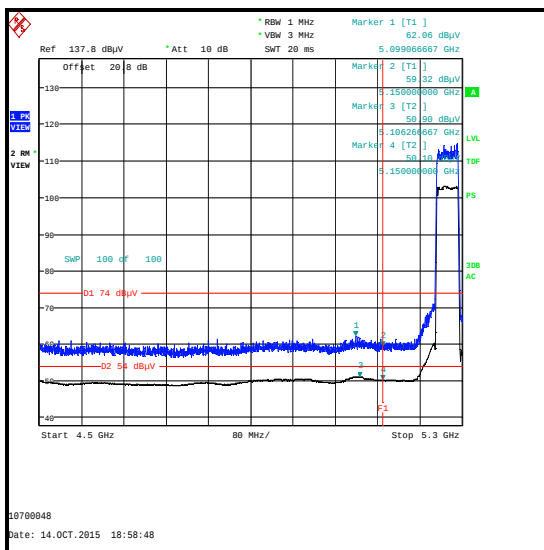
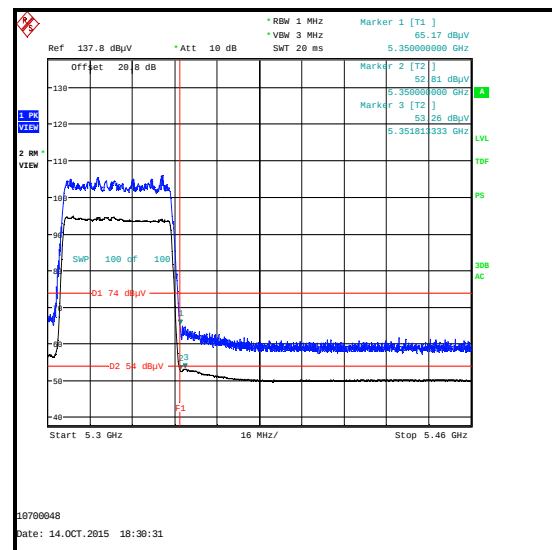
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5106.267	50.9	54.0	3.1	Complied
5150	50.1	54.0	3.9	Complied

Results: Plate Antenna / 45 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	65.2	74.0	8.8	Complied

Results: Plate Antenna / 45 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	52.8	54.0	1.2	Complied
5351.813	53.3	54.0	0.7	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Sectorised Antenna / 5 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5093.590	61.1	74.0	12.9	Complied
5150	57.0	74.0	17.0	Complied

Results: Sectorised Antenna / 5 MHz Channel / BPSK / Lower Band Edge / Average

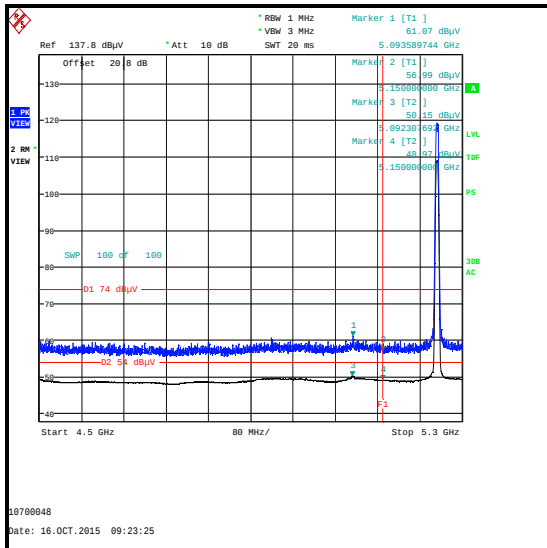
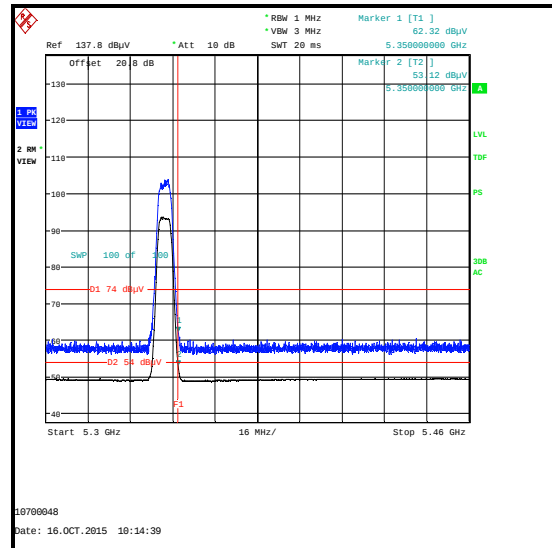
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5092.308	50.2	54.0	3.8	Complied
5150	49.0	54.0	5.0	Complied

Results: Sectorised Antenna / 5 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	62.3	74.0	11.7	Complied

Results: Sectorised Antenna / 5 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	53.1	54.0	0.9	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Sectorised Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5095.405	61.9	74.0	12.1	Complied
5150	57.4	74.0	16.6	Complied

Results: Sectorised Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Average

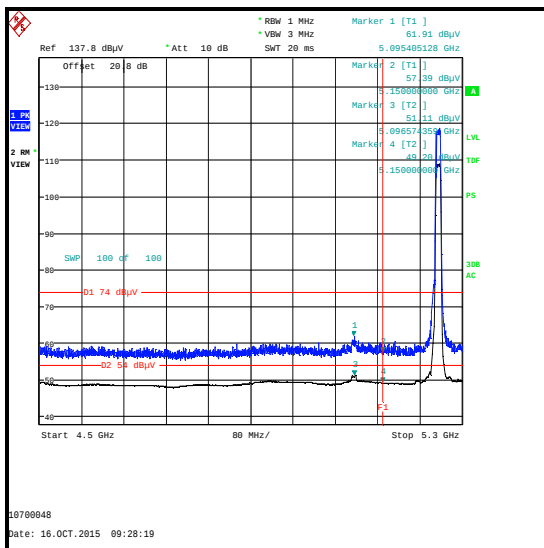
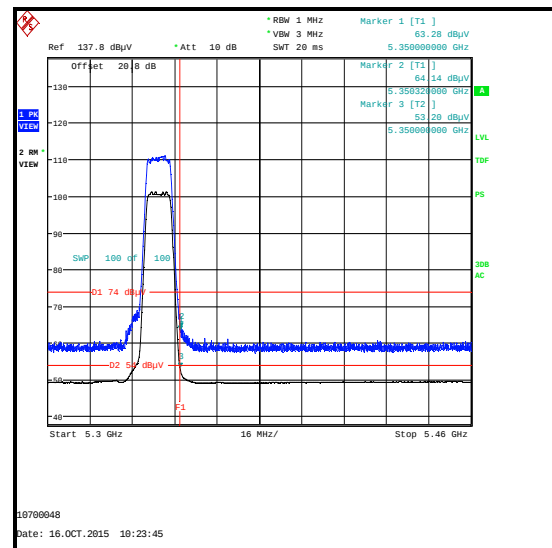
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5096.574	51.1	54.0	2.9	Complied
5150	49.2	54.0	4.8	Complied

Results: Sectorised Antenna / 10 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	63.3	74.0	10.7	Complied
5350.320	64.1	74.0	9.9	Complied

Results: Sectorised Antenna / 10 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	53.2	54.0	0.8	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Sectorised Antenna / 15 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5129.805	60.8	74.0	13.2	Complied
5150	59.4	74.0	14.6	Complied

Results: Sectorised Antenna / 15 MHz Channel / BPSK / Lower Band Edge / Average

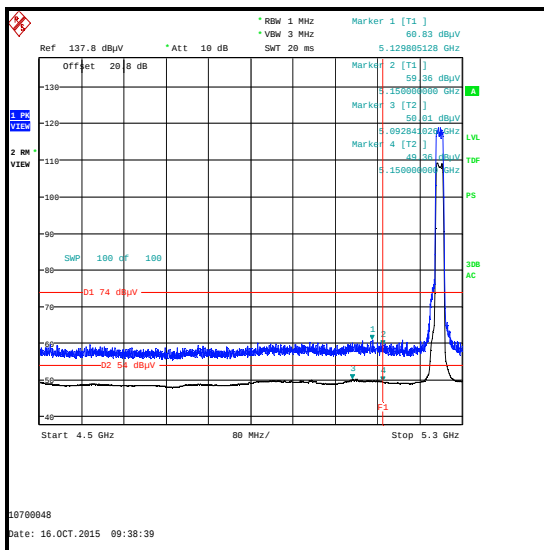
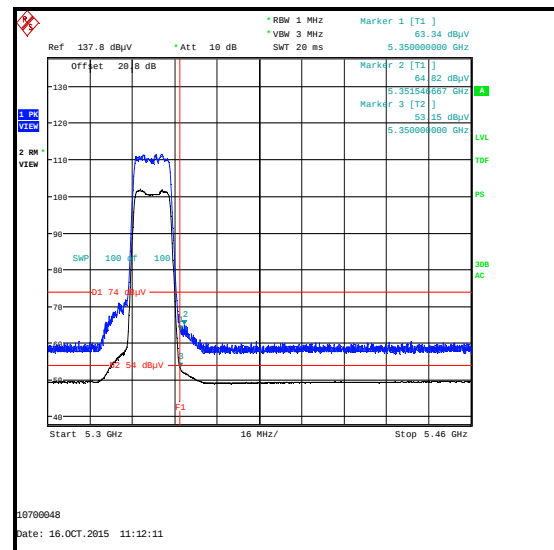
	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5092.841	50.0	54.0	4.0	Complied
5150	49.4	54.0	4.6	Complied

Results: Sectorised Antenna / 15 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5350	63.4	74.0	10.6	Complied
5351.547	64.8	74.0	9.2	Complied

Results: Sectorised Antenna / 15 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5350	53.2	54.0	0.8	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Sectorised Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5095.138	61.2	74.0	12.8	Complied
5150	58.1	74.0	15.9	Complied

Results: Sectorised Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Average

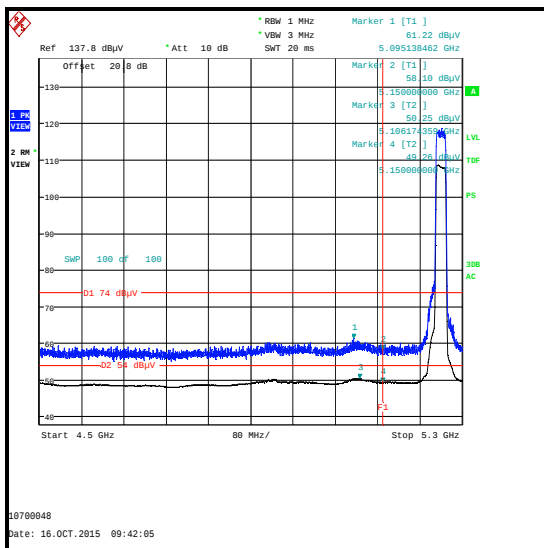
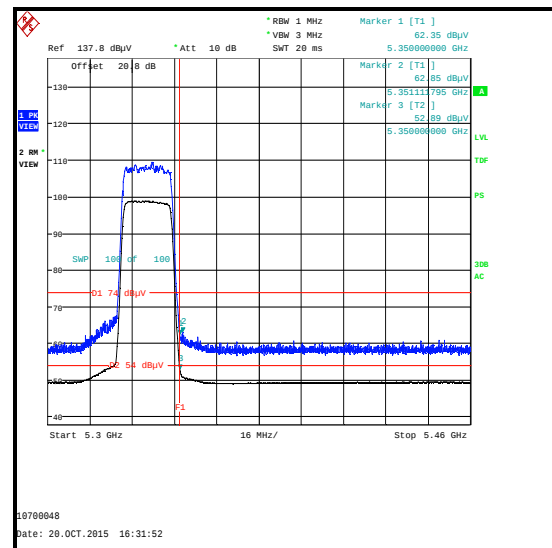
Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5106.174	50.3	54.0	3.7	Complied
5150	49.3	54.0	4.7	Complied

Results: Sectorised Antenna / 20 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5350	62.4	74.0	11.6	Complied
5351.112	62.9	74.0	11.1	Complied

Results: Sectorised Antenna / 20 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5350	52.9	54.0	1.1	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Sectorised Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5104.205	60.9	74.0	13.1	Complied
5150	58.4	74.0	15.6	Complied

Results: Sectorised Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Average

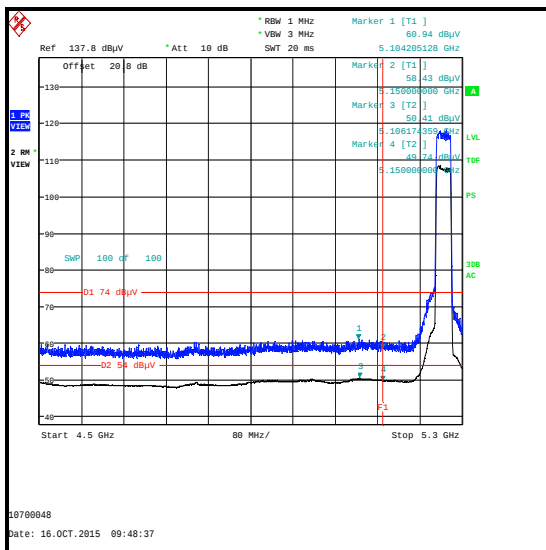
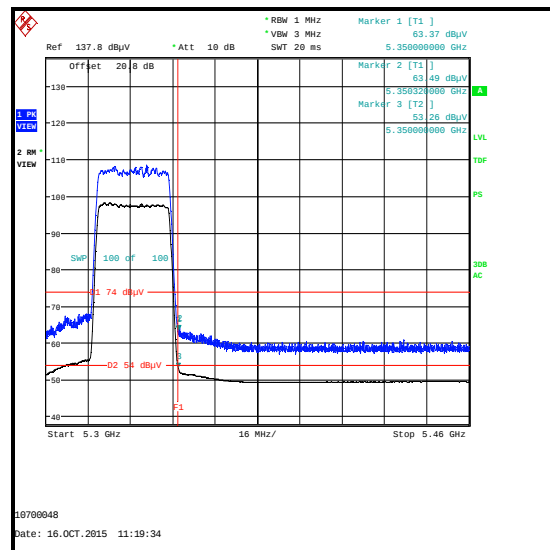
Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5106.174	50.4	54.0	3.6	Complied
5150	49.7	54.0	4.3	Complied

Results: Sectorised Antenna / 30 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5350	63.4	74.0	10.6	Complied
5350.320	63.5	74.0	10.5	Complied

Results: Sectorised Antenna / 30 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5350	53.3	54.0	0.7	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Sectorised Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5102.338	61.4	74.0	12.6	Complied
5150	58.1	74.0	15.9	Complied

Results: Sectorised Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Average

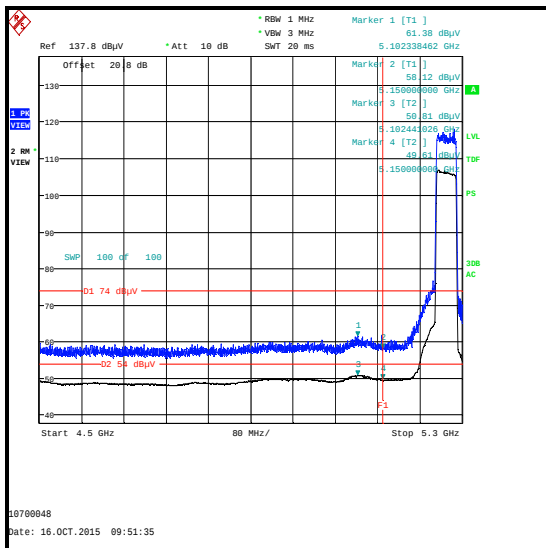
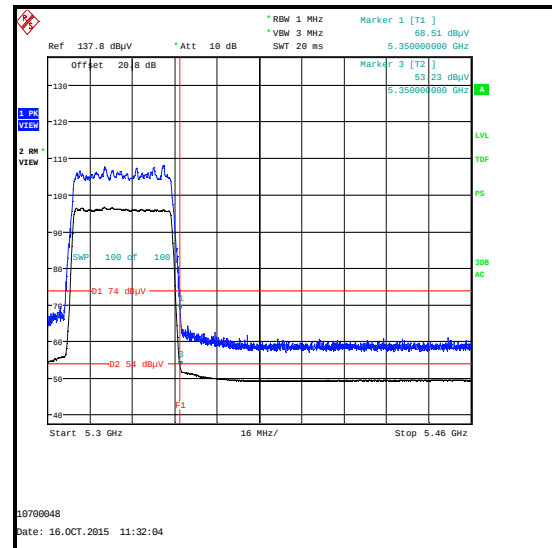
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5102.441	50.8	54.0	3.2	Complied
5150	49.6	54.0	4.4	Complied

Results: Sectorised Antenna / 40 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	68.5	74.0	5.5	Complied

Results: Sectorised Antenna / 40 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	53.2	54.0	0.8	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Sectorised Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5093.272	61.5	74.0	12.5	Complied
5150	58.8	74.0	15.2	Complied

Results: Sectorised Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Average

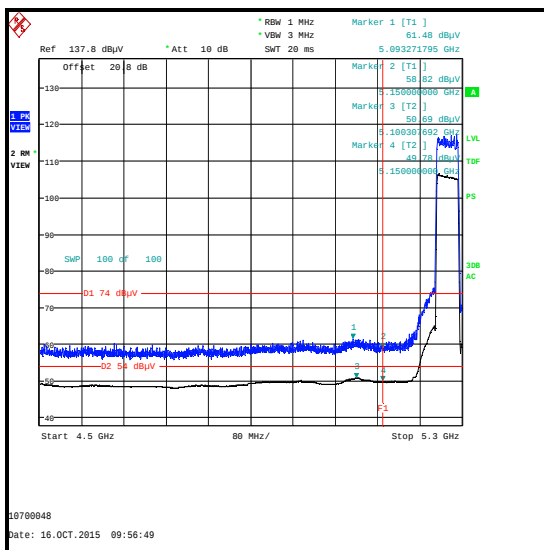
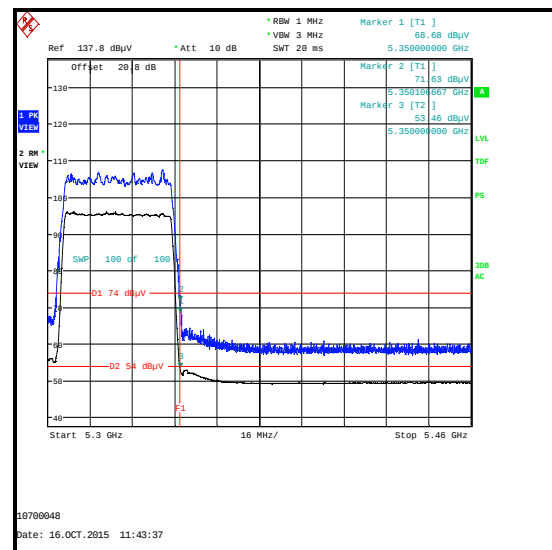
Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5100.308	50.7	54.0	3.3	Complied
5150	49.8	54.0	4.2	Complied

Results: Sectorised Antenna / 45 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5350	68.7	74.0	5.3	Complied
5350.107	71.6	74.0	2.4	Complied

Results: Sectorised Antenna / 45 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5350	53.5	54.0	0.5	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5090.933	59.7	74.0	14.3	Complied
5150	58.2	74.0	15.8	Complied

Results: Omnidirectional Antenna / 5 MHz Channel / BPSK / Lower Band Edge / Average

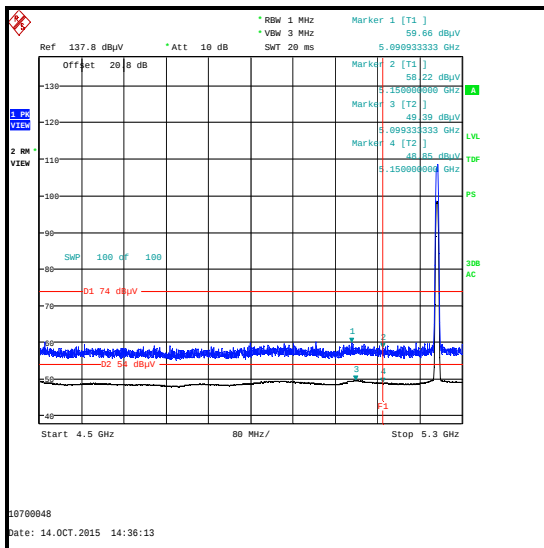
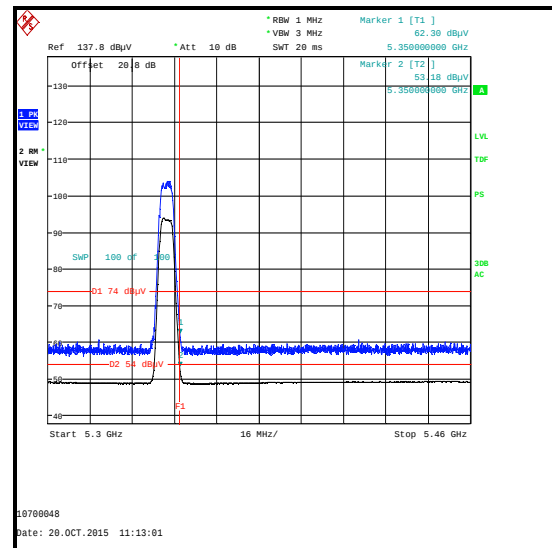
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5099.333	49.4	54.0	4.6	Complied
5150	48.9	54.0	5.1	Complied

Results: Omnidirectional Antenna / 5 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	62.3	74.0	11.7	Complied

Results: Omnidirectional Antenna / 5 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	53.2	54.0	0.8	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5107.733	60.4	74.0	13.6	Complied
5150	57.5	74.0	16.5	Complied

Results: Omnidirectional Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Average

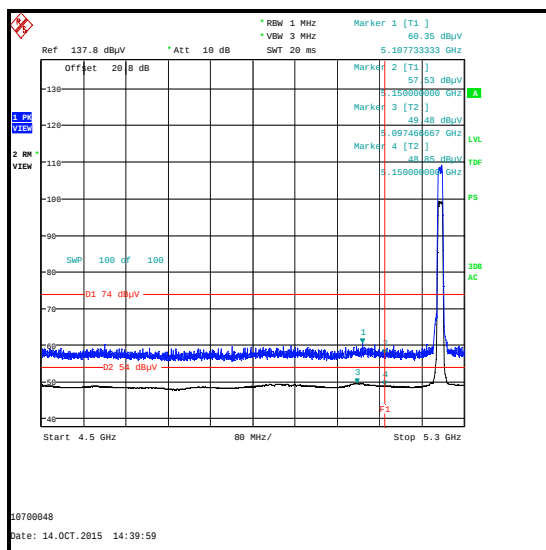
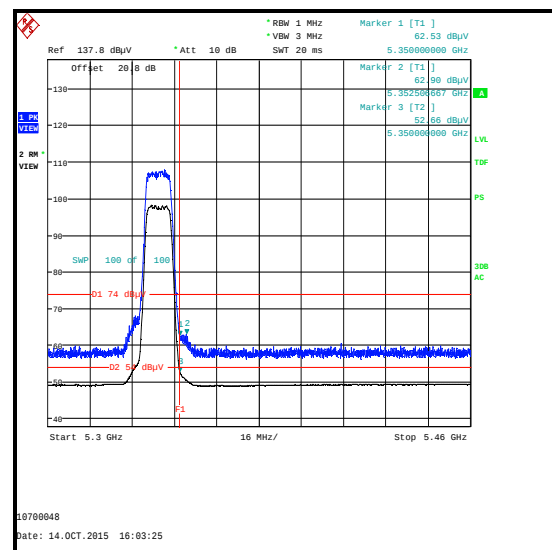
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5097.467	49.5	54.0	4.5	Complied
5150	48.9	54.0	5.1	Complied

Results: Omnidirectional Antenna / 10 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	62.5	74.0	11.5	Complied
5352.507	62.9	74.0	11.1	Complied

Results: Omnidirectional Antenna / 10 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	52.7	54.0	1.3	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5109.867	59.8	74.0	14.2	Complied
5150	57.3	74.0	16.7	Complied

Results: Omnidirectional Antenna / 15 MHz Channel / BPSK / Lower Band Edge / Average

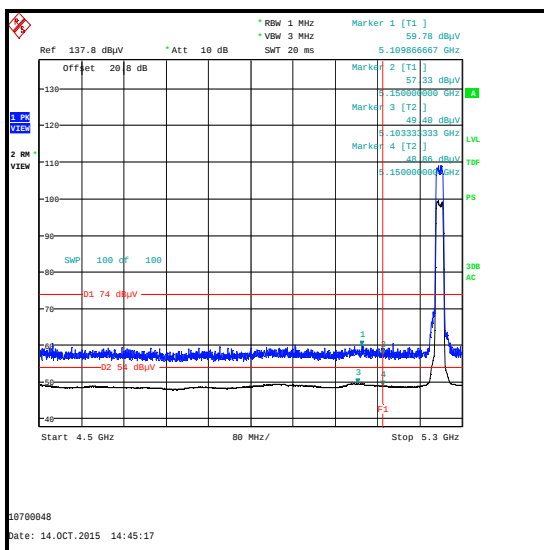
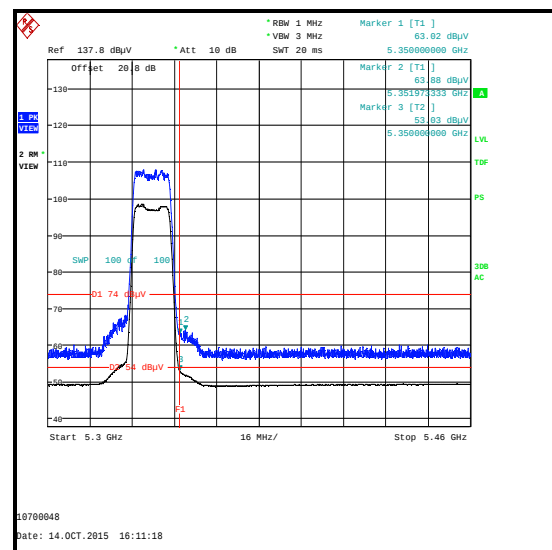
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5103.333	49.4	54.0	4.6	Complied
5150	48.9	54.0	5.1	Complied

Results: Omnidirectional Antenna / 15 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	63.0	74.0	11.0	Complied
5351.973	63.9	74.0	10.1	Complied

Results: Omnidirectional Antenna / 15 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	53.0	54.0	1.0	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5093.867	60.1	74.0	13.9	Complied
5150	57.7	74.0	16.3	Complied

Results: Omnidirectional Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Average

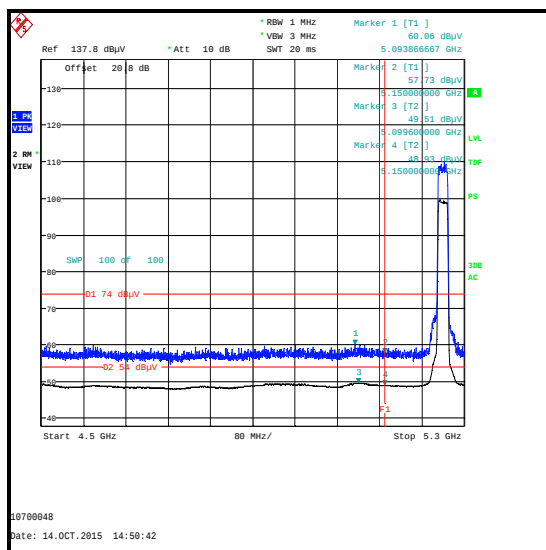
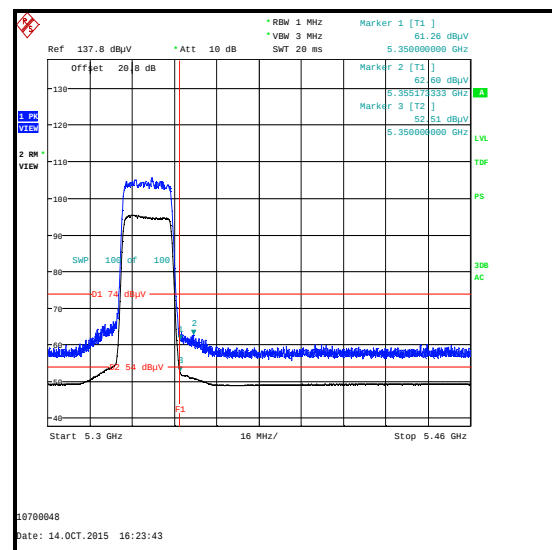
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5099.600	49.5	54.0	4.5	Complied
5150	48.9	54.0	5.1	Complied

Results: Omnidirectional Antenna / 20 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	61.3	74.0	12.7	Complied
5355.173	62.6	74.0	11.4	Complied

Results: Omnidirectional Antenna / 20 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	52.5	54.0	1.5	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5105.867	59.8	74.0	14.2	Complied
5150	58.1	74.0	15.9	Complied

Results: Omnidirectional Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Average

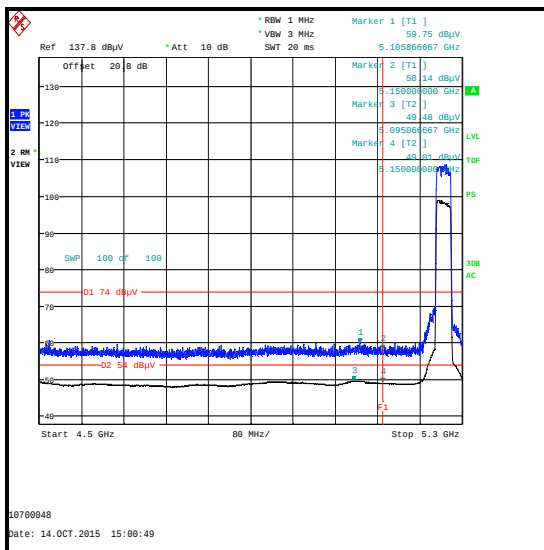
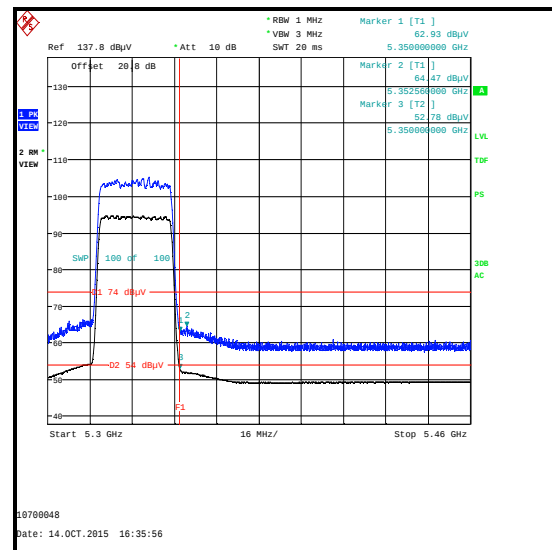
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5095.067	49.5	54.0	4.5	Complied
5150	49.0	54.0	5.0	Complied

Results: Omnidirectional Antenna / 30 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	62.9	74.0	11.1	Complied
5352.560	64.5	74.0	9.5	Complied

Results: Omnidirectional Antenna / 30 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	52.8	54.0	1.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5097.333	60.0	74.0	14.0	Complied
5150	57.4	74.0	16.6	Complied

Results: Omnidirectional Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Average

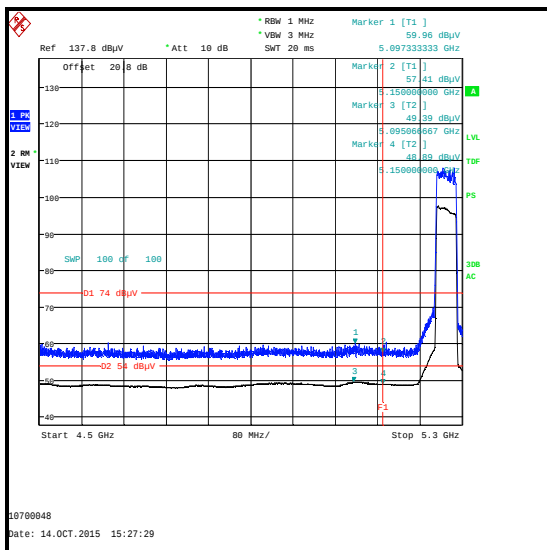
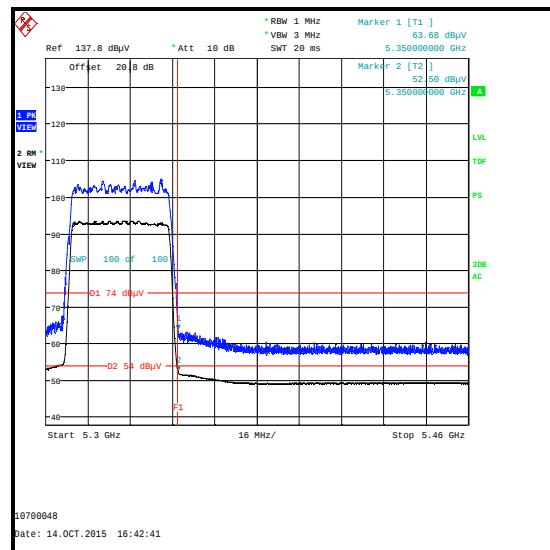
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5095.067	49.4	54.0	4.6	Complied
5150	48.9	54.0	5.1	Complied

Results: Omnidirectional Antenna / 40 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	63.7	74.0	10.3	Complied

Results: Omnidirectional Antenna / 40 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	52.5	54.0	1.5	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz Band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5098.267	59.8	74.0	14.2	Complied
5150	58.2	74.0	15.8	Complied

Results: Omnidirectional Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Average

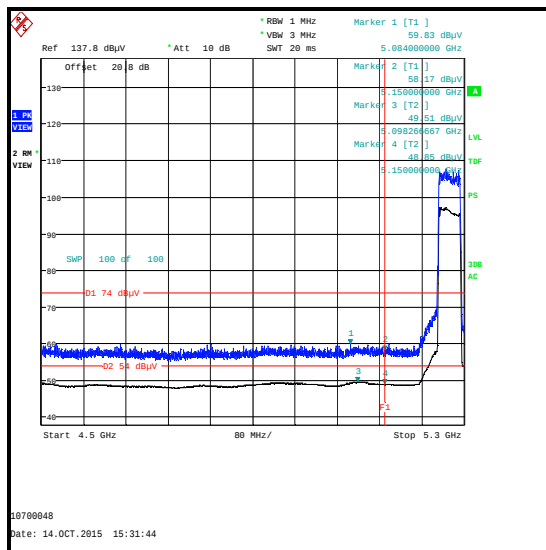
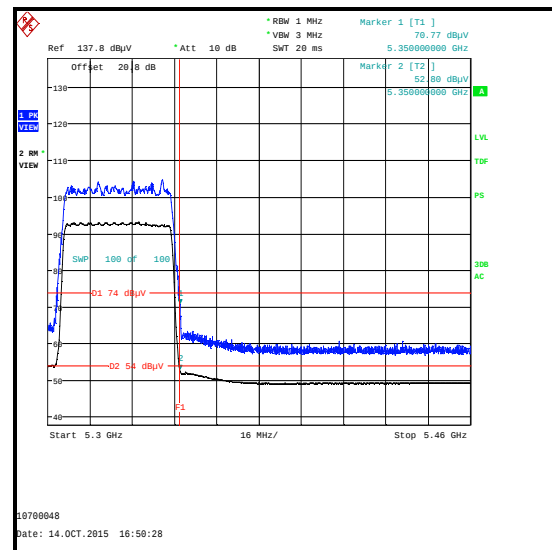
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5098.267	49.5	54.0	4.5	Complied
5150	48.9	54.0	5.1	Complied

Results: Omnidirectional Antenna / 45 MHz Channel / BPSK / Upper Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	70.8	74.0	3.2	Complied

Results: Omnidirectional Antenna / 45 MHz Channel / BPSK / Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	52.8	54.0	1.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge 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	None stated	23 Apr 2016	12
K0002	3m RSE Chamber	Rainford EMC	N/A	N/A	01 May 2016	12
M1874	Test Receiver	Rohde & Schwarz	ESU26	100553	12 Jun 2016	12
A1534	Pre Amplifier	Hewlett Packard	8449B	3008A00405	21 Dec 2015	12
A253	Antenna	Flann	12240-20	128	20 Dec 2015	12
A1393	Attenuator	Huber & Suhner	6820.17.B	757456	05 May 2016	12

5.2.7. Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band)**Test Summary:**

Test Engineer:	Georgios Vrezas	Test Dates:	09 September 2015 to 14 October 2015
Test Sample Serial Number:	0004565800E2		

FCC Reference:	Parts 15.407(b)(3) & 15.209(a)
Test Method Used:	ANSI C63.10 Section 6.10, FCC KDB 789033 Section II.G and Notes below

Environmental Conditions:

Temperature (°C):	24 to 27
Relative Humidity (%):	36 to 47

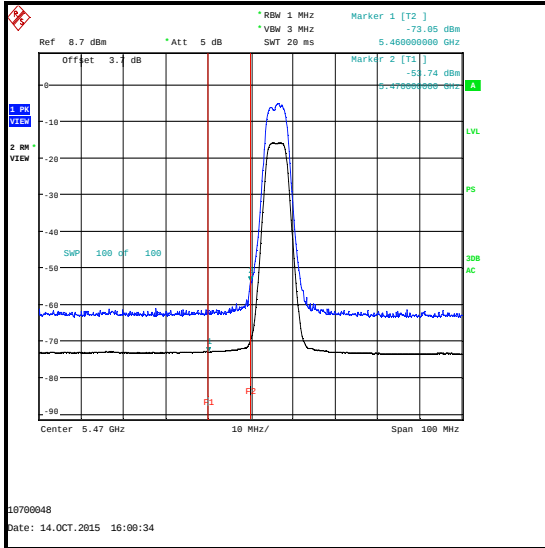
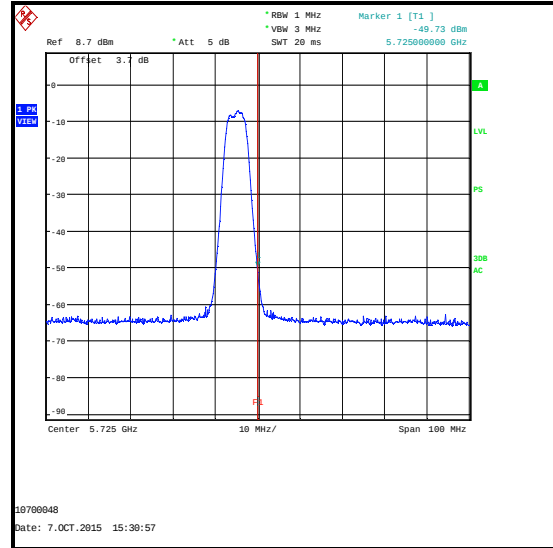
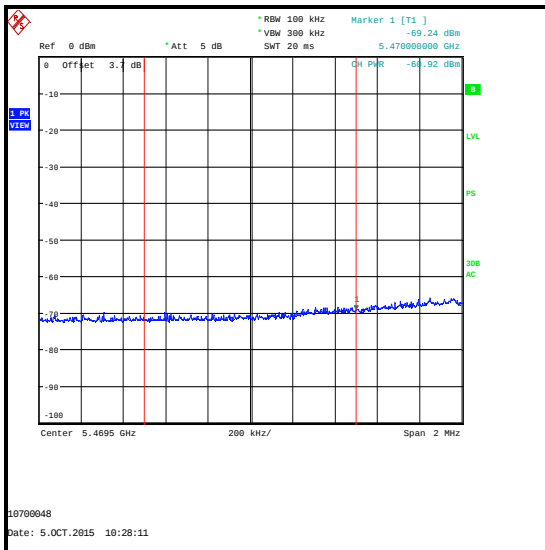
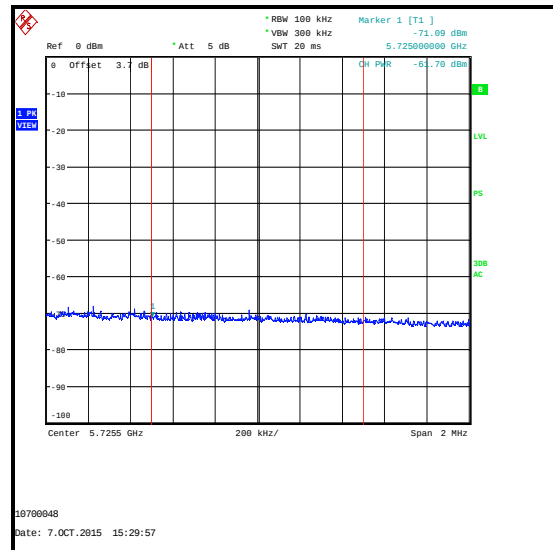
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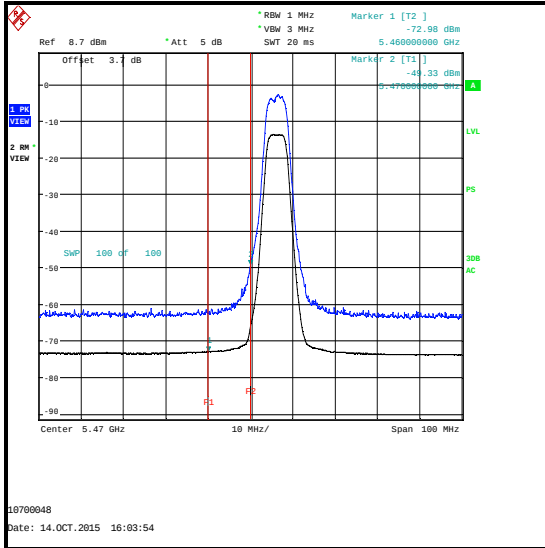
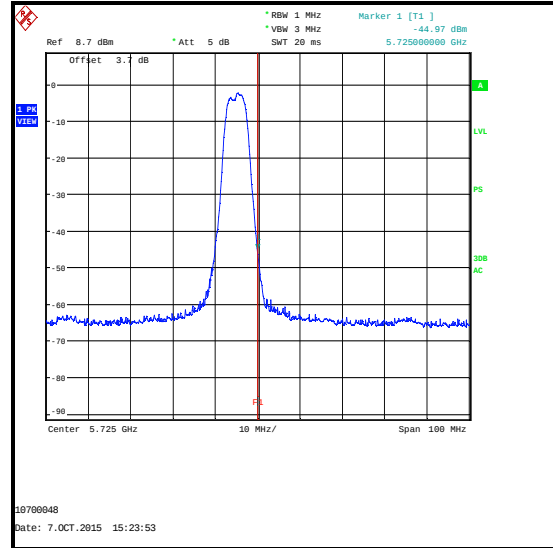
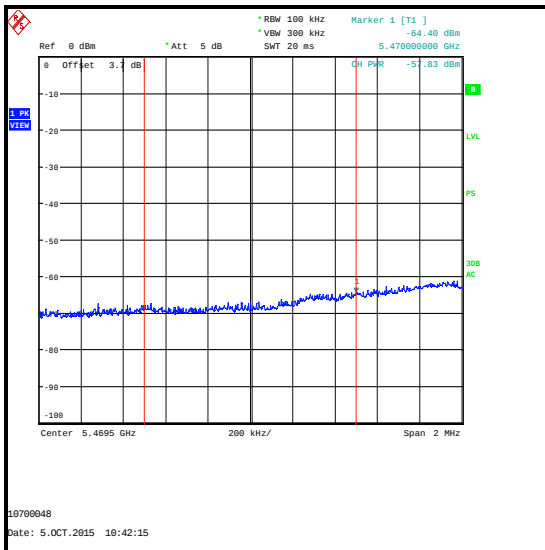
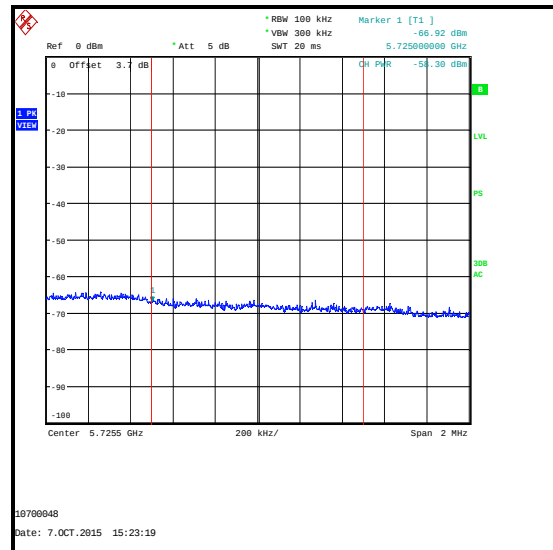
1. Band edge tests were performed as conducted measurements in the operating mode that produced the highest emission levels at band edges. All modes were initially tested and the mode that produced the highest levels was BPSK. The EUT was transmitting with >99% duty cycle and at maximum power for bottom or top channel according to the antenna being used (refer to Section 4.2 of this test report). All antennas types were tested. The test receiver was connected to the RF port on the EUT using a 3 dB attenuator and RF cable. The total attenuation appears on the result plots as an RF level offset.
2. Measurements were performed on both RF ports. The results were linearly combined in accordance with FCC KDB 662911 Section E.2(a)(ii). The stated antenna gain was added to the combined conducted emission level and the result was compared with the limit to obtain the margin.
3. Lower band edge measurements were performed with the EUT transmitting on the bottom channel. The lower band edge plots show a lower band edge frequency line at 5.47 GHz. A non-restricted band of operation exists adjacent to and below the lower band edge and the general limit of -27 dBm/MHz E.I.R.P. applies. A restricted band of operation exists 10 MHz below the lower band edge at 5.35 GHz to 5.46 GHz. The lower band edge field strength plots show a frequency line at 5.46 GHz and an average trace is shown (the lower of the two traces) with an associated frequency line and marker at 5.46 GHz. Spurious emissions found in the 5.35 GHz to 5.46 GHz restricted band are shown in the Transmitter Out of Band Radiated Emissions section of this test report.
4. Upper band edge measurements were performed with the EUT transmitting on the top channel. The upper band edge plots show an upper band edge frequency line at 5.725 GHz. A non-restricted band of operation exists adjacent to and above the upper band edge and the general limit of -27 dBm/MHz E.I.R.P. applies.
5. *In accordance with FCC KDB 789033 Section II.G.3(d)(ii), the integration method was used to show compliance. The channel power function of a test receiver was used to perform the measurements in a 1 MHz bandwidth. The measurement was centred 500 kHz below the lower band edge (5469.5 MHz) and 500 kHz above the upper band edge (5725.5 MHz). The test receiver was left to sweep for a sufficient period of time on MAX HOLD until the emission levels were maximised.

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 5 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-60.9*	-57.8*	-56.1	28.5	-27.6
5725	-61.7*	-58.3*	-56.7	28.5	-28.2

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.6	-27.0	0.6	Complied
5725	-28.2	-27.0	1.2	Complied

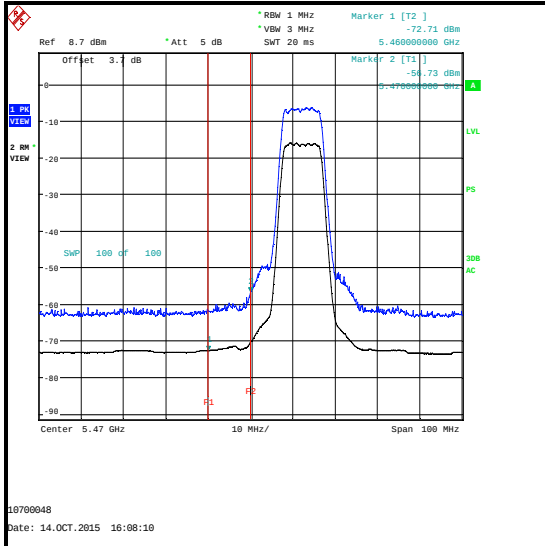
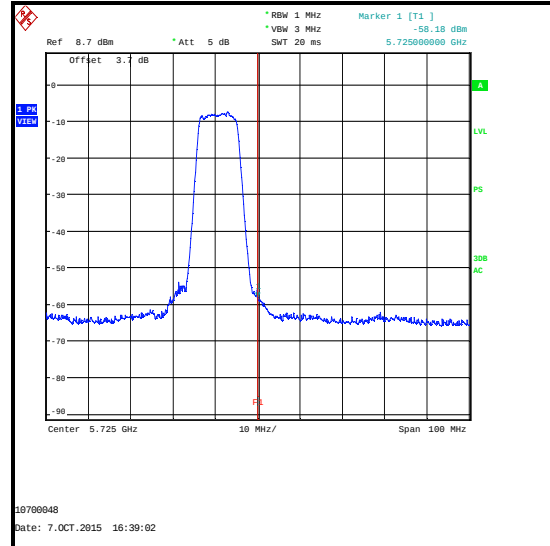
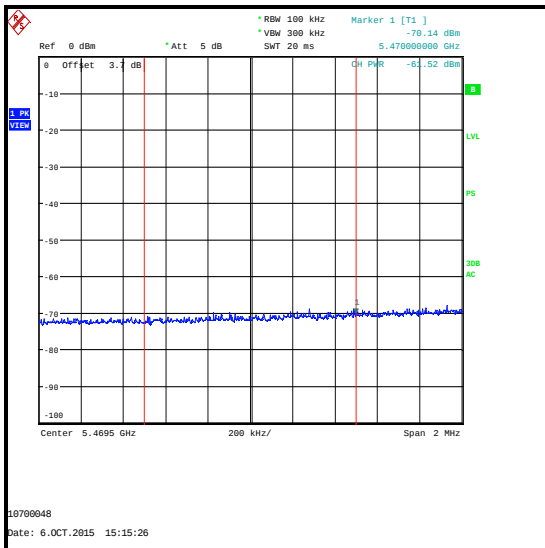
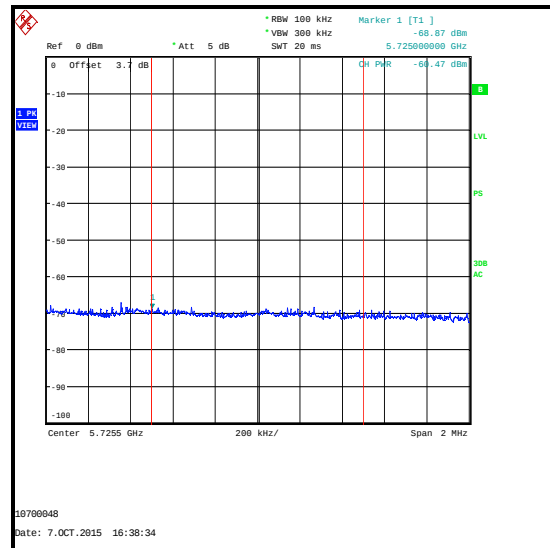
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 5 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

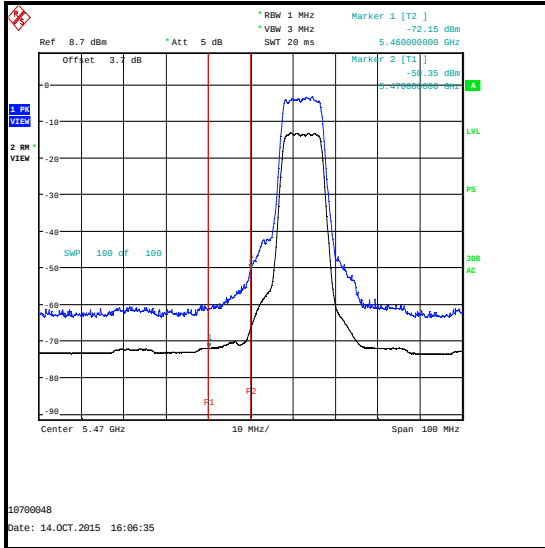
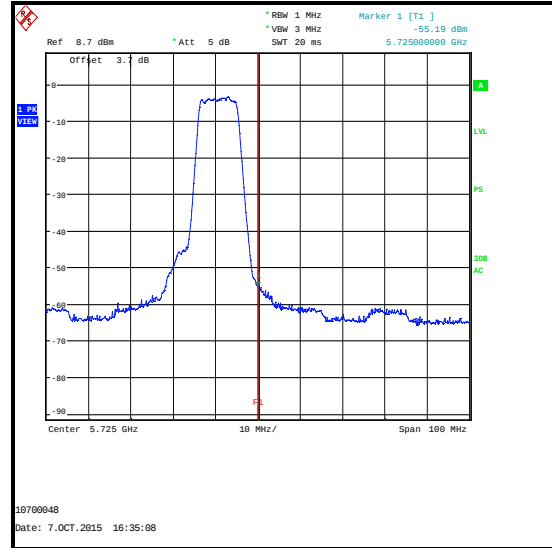
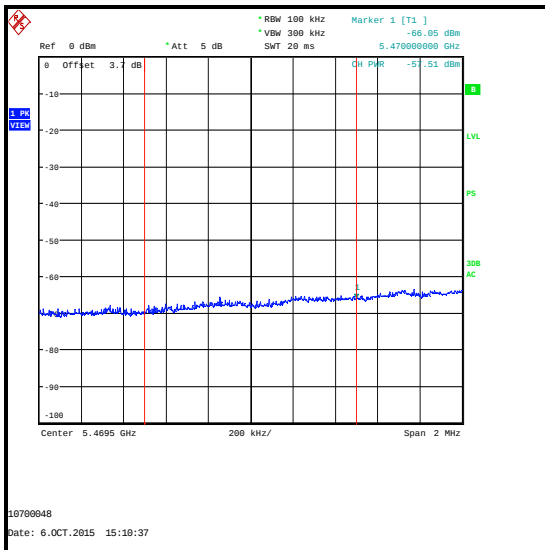
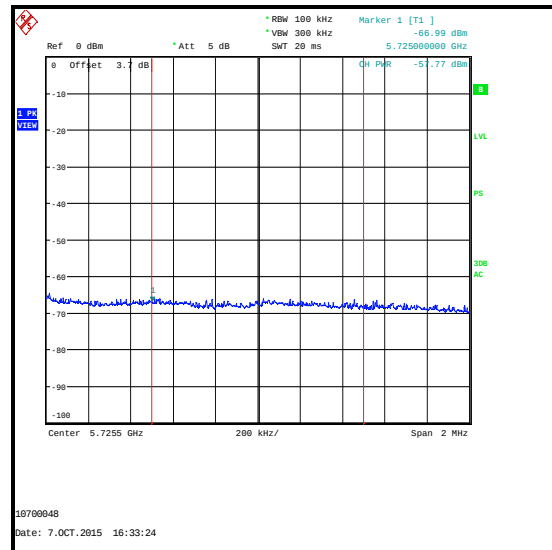
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 5 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 10 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-61.5*	-57.5*	-56.0	28.5	-27.5
5725	-60.5*	-57.8*	-55.9	28.5	-27.4

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.5	-27.0	0.5	Complied
5725	-27.4	-27.0	0.4	Complied

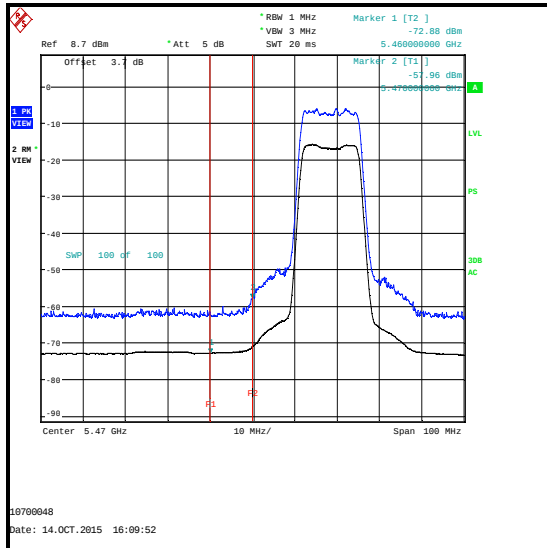
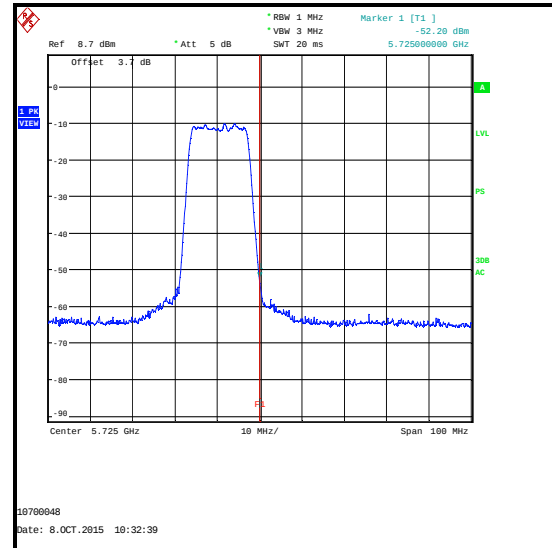
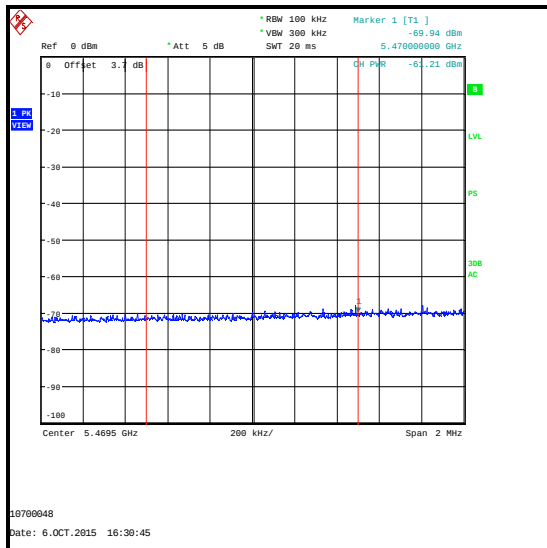
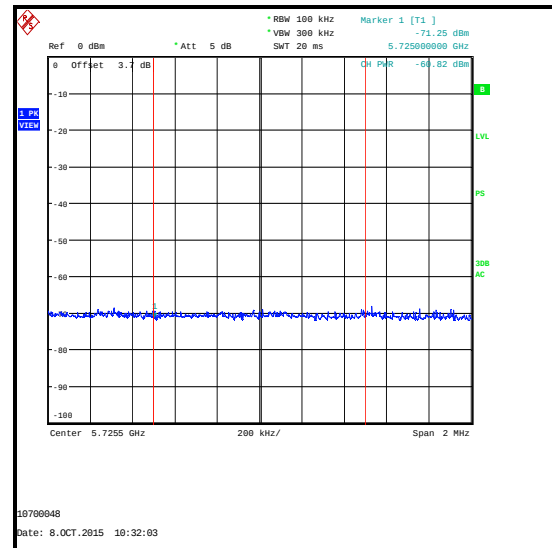
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 10 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

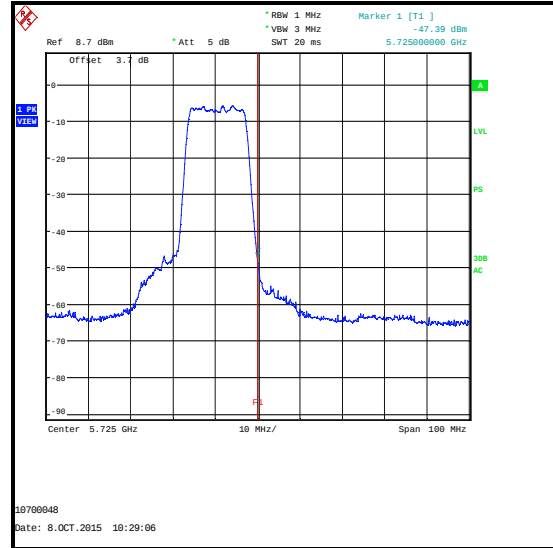
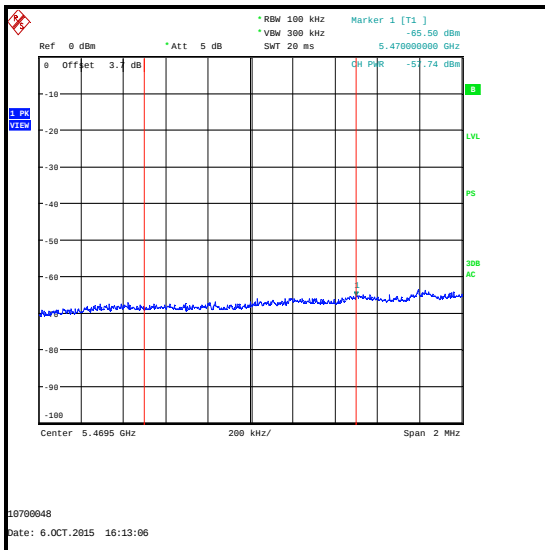
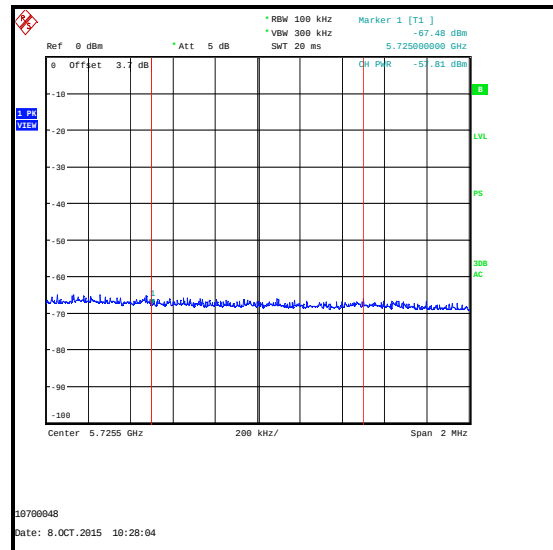
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 10 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 15 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-61.2*	-57.7*	-56.1	28.5	-27.6
5725	-60.8*	-57.8*	-56.0	28.5	-27.5

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.6	-27.0	0.6	Complied
5725	-27.5	-27.0	0.5	Complied

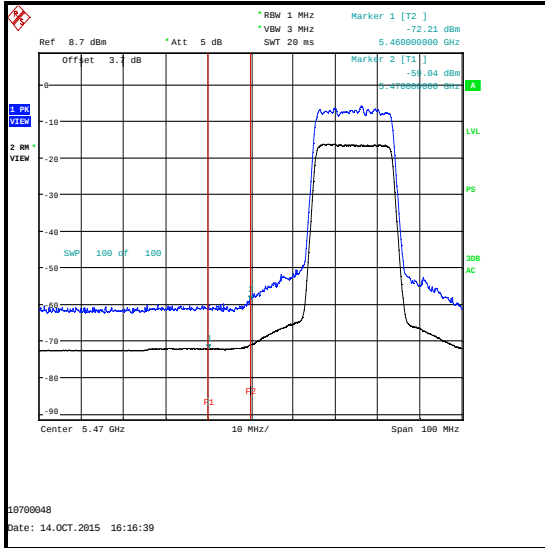
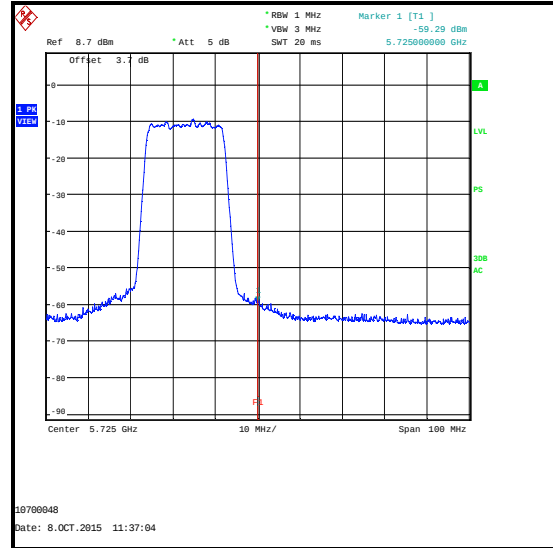
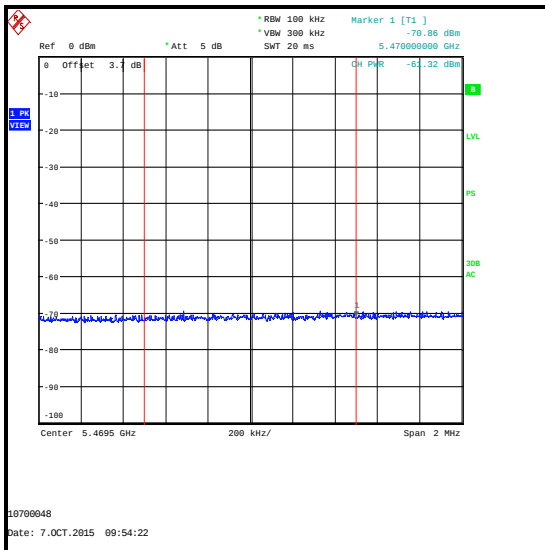
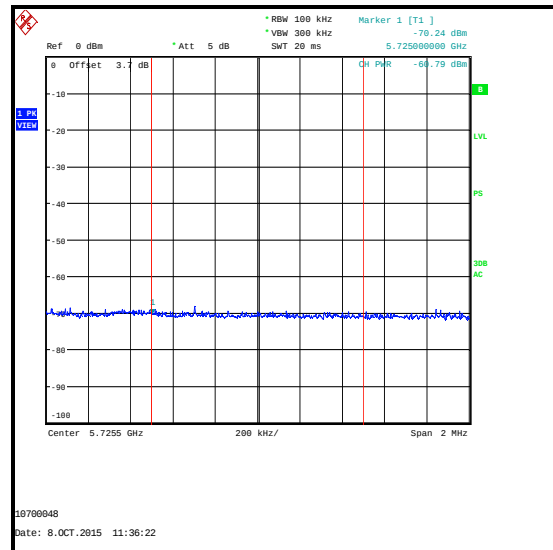
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 15 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

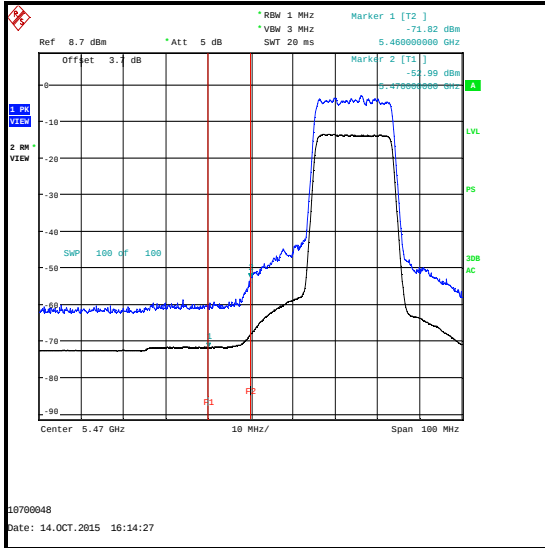
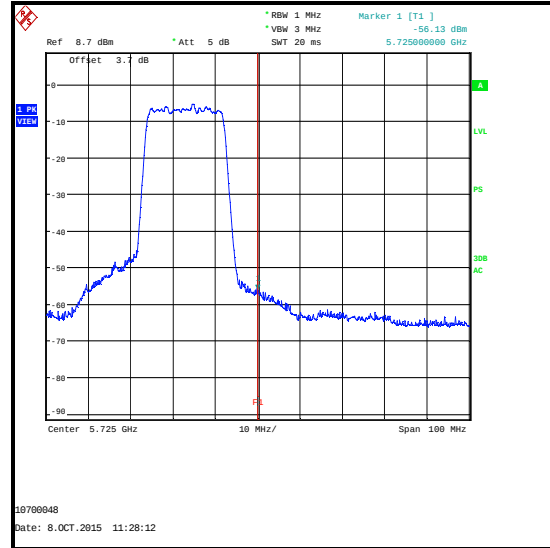
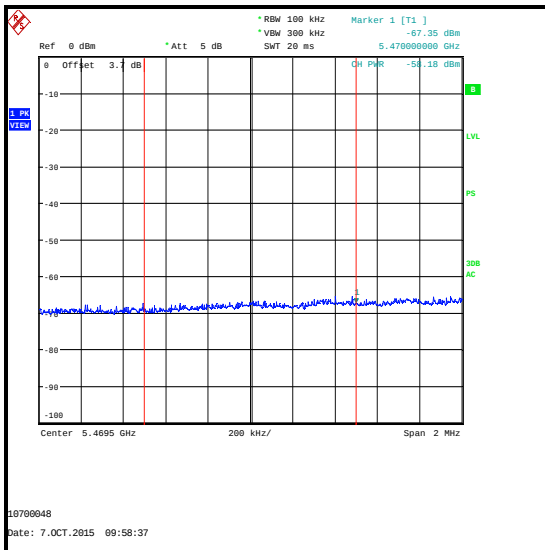
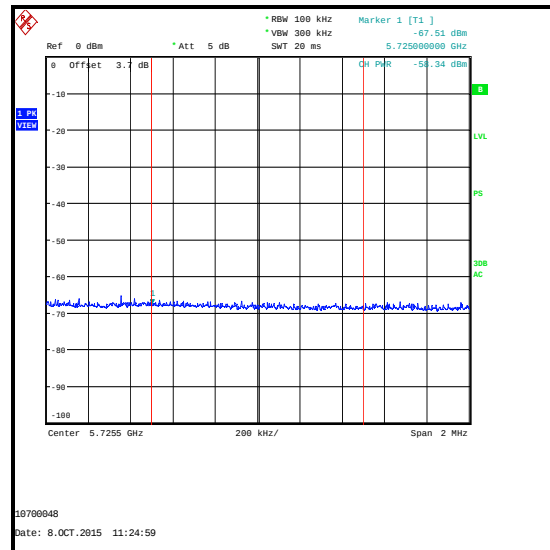
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 15 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 20 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-61.3*	-58.2*	-56.5	28.5	-28.0
5725	-60.8*	-58.3*	-56.4	28.5	-27.9

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-28.0	-27.0	1.0	Complied
5725	-27.9	-27.0	0.9	Complied

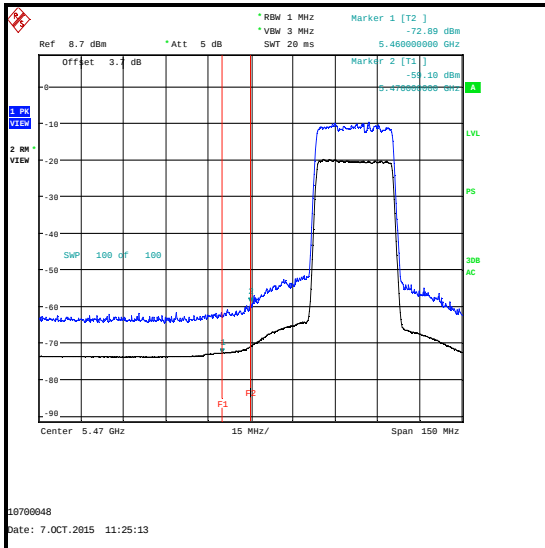
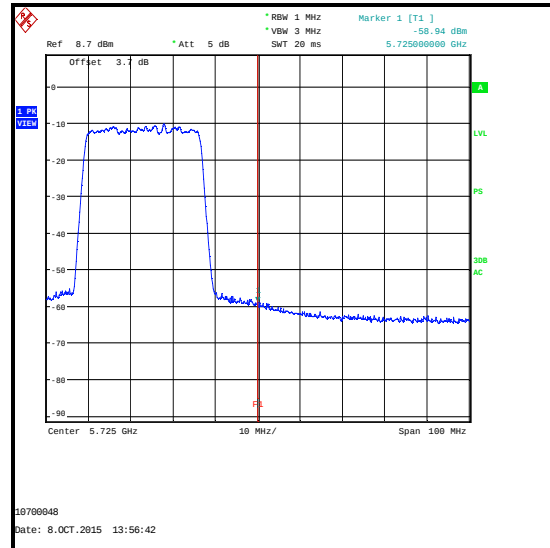
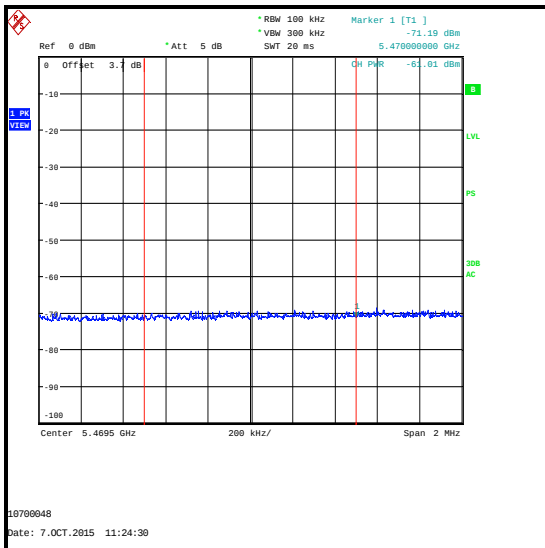
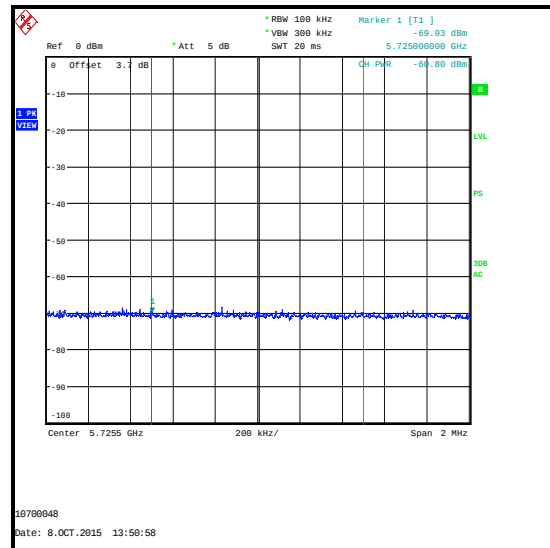
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 20 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

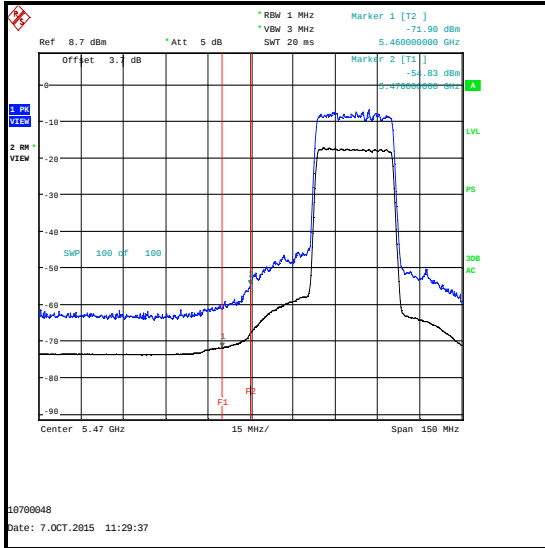
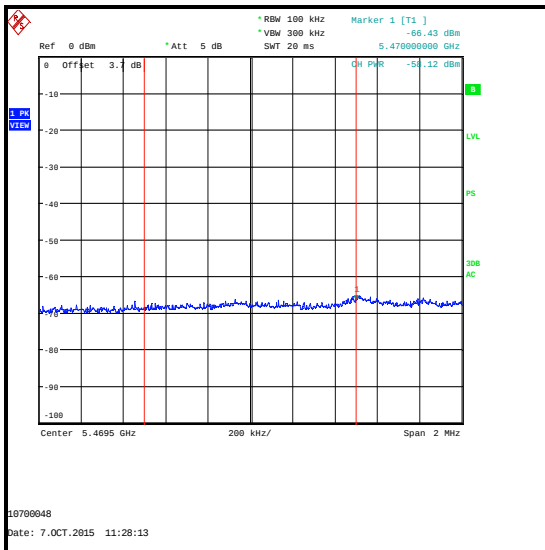
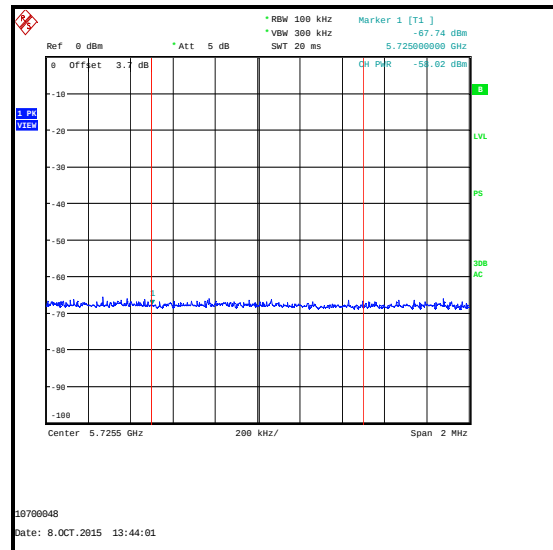
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 20 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 30 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-61.0*	-58.1*	-56.3	28.5	-27.8
5725	-60.8*	-58.0*	-56.2	28.5	-27.7

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.8	-27.0	0.8	Complied
5725	-27.7	-27.0	0.7	Complied

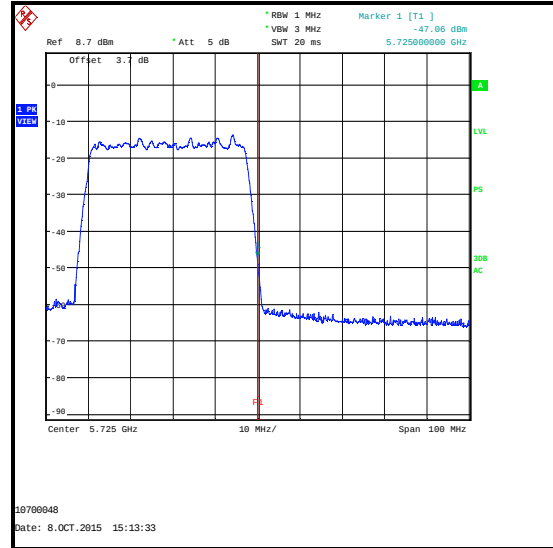
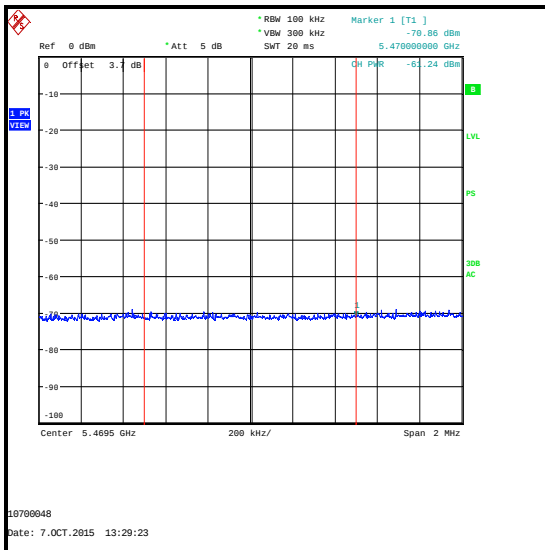
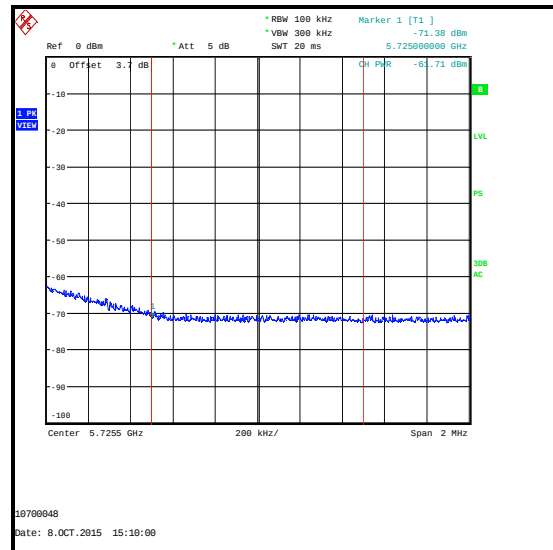
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 30 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

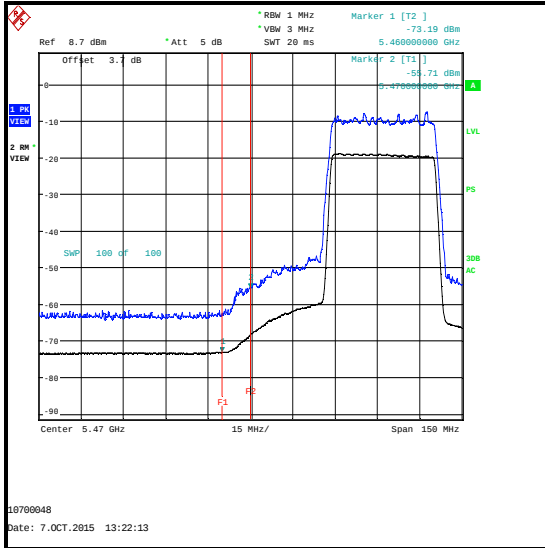
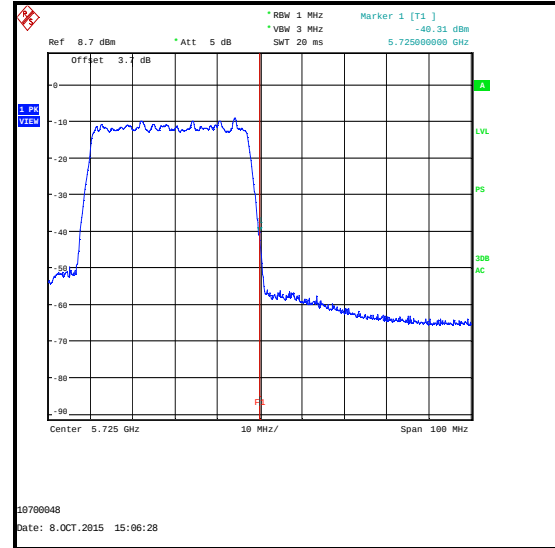
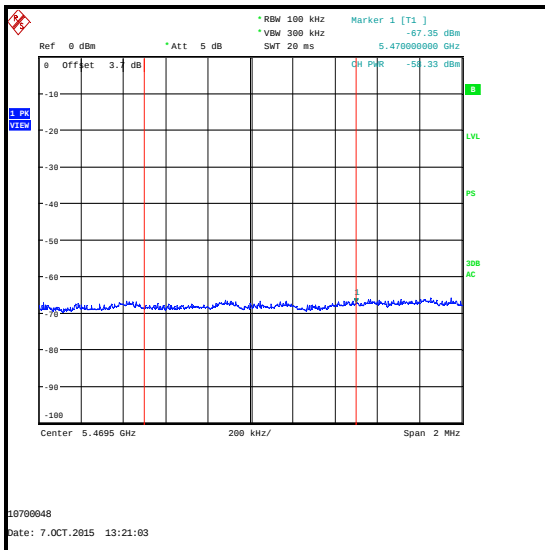
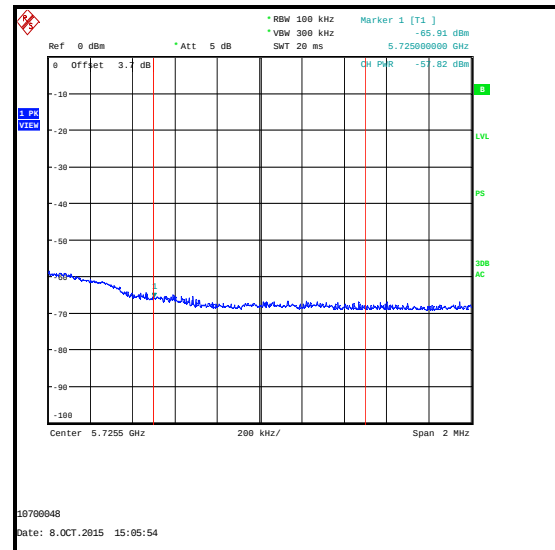
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 30 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 40 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-61.2*	-58.3*	-56.5	28.5	-28.0
5725	-61.7*	-57.8*	-56.3	28.5	-27.8

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-28.0	-27.0	1.0	Complied
5725	-27.8	-27.0	0.8	Complied

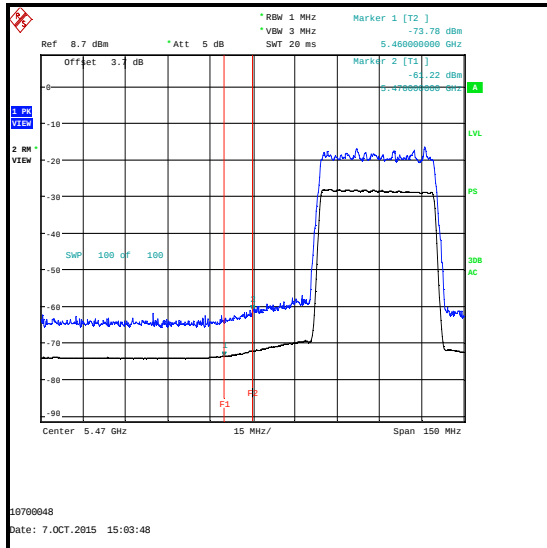
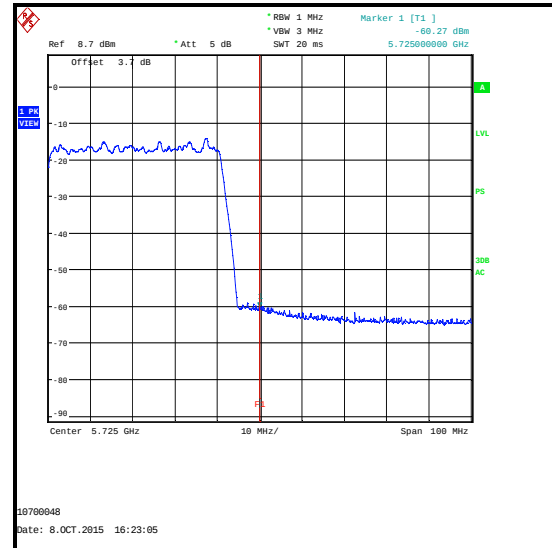
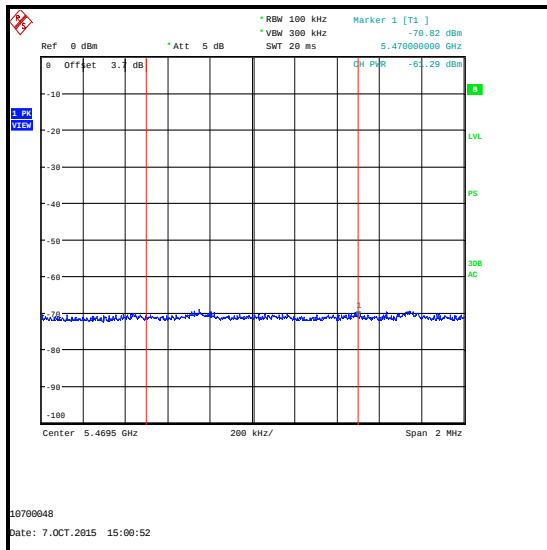
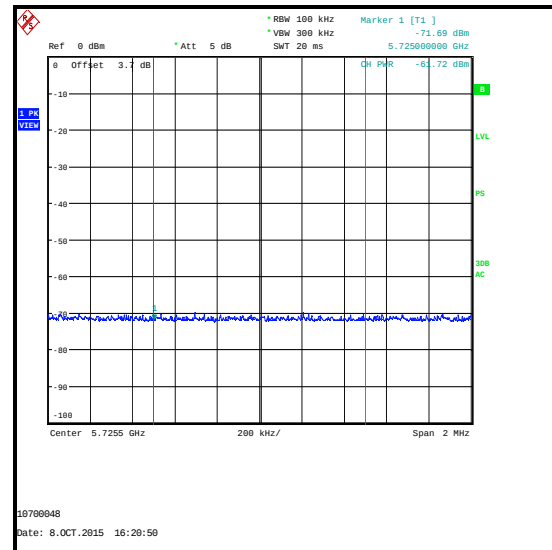
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 40 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

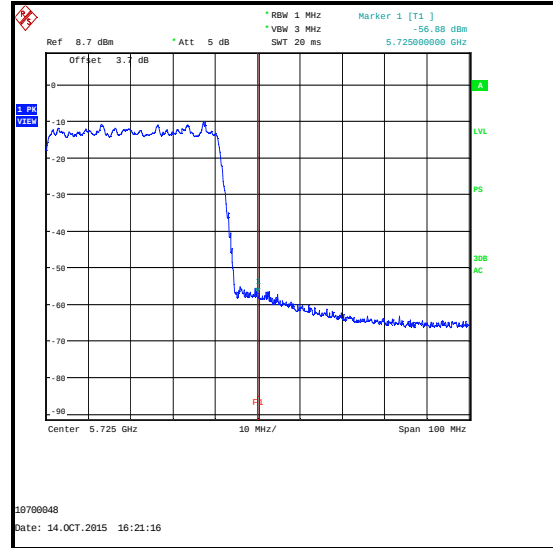
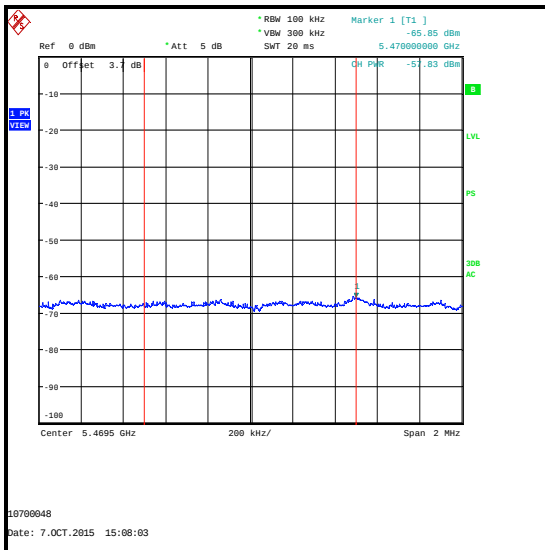
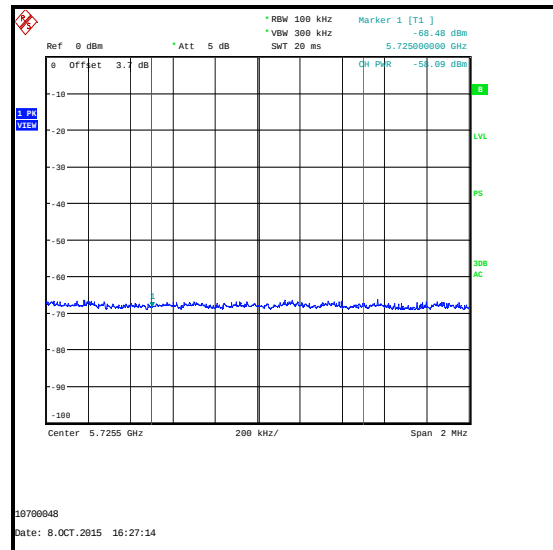
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 40 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 45 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-61.3*	-57.8*	-56.2	28.5	-27.7
5725	-61.7*	-58.1*	-56.5	28.5	-28.0

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.7	-27.0	0.7	Complied
5725	-28.0	-27.0	1.0	Complied

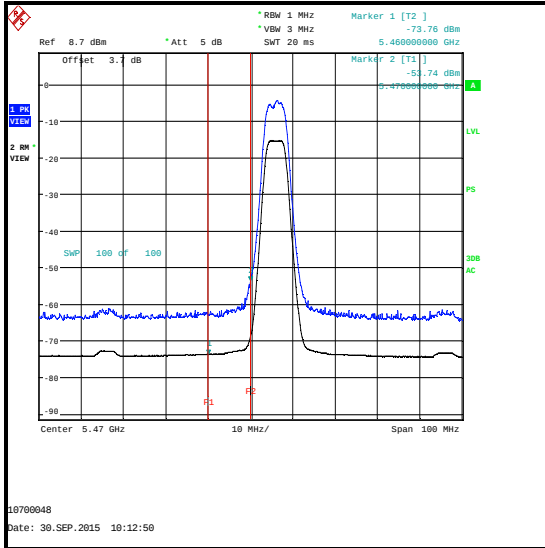
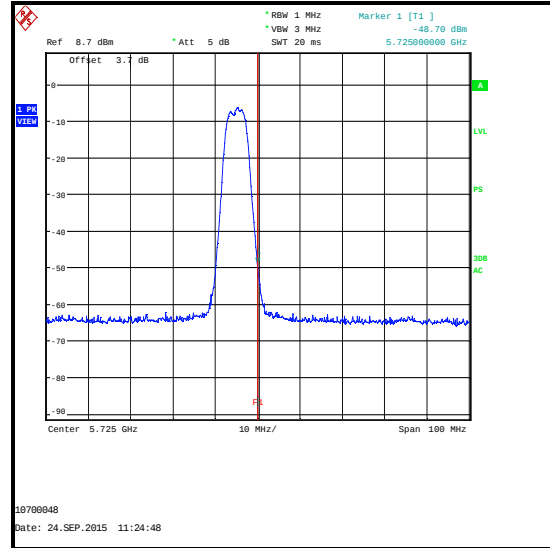
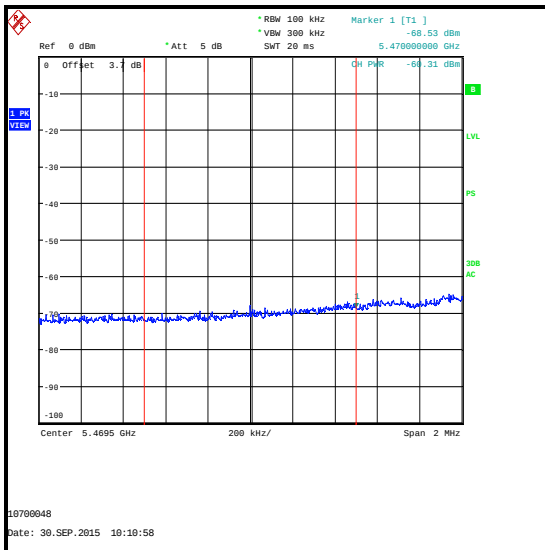
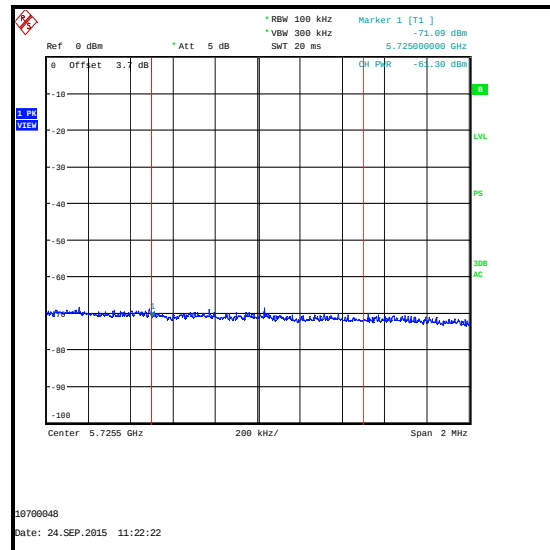
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 45 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

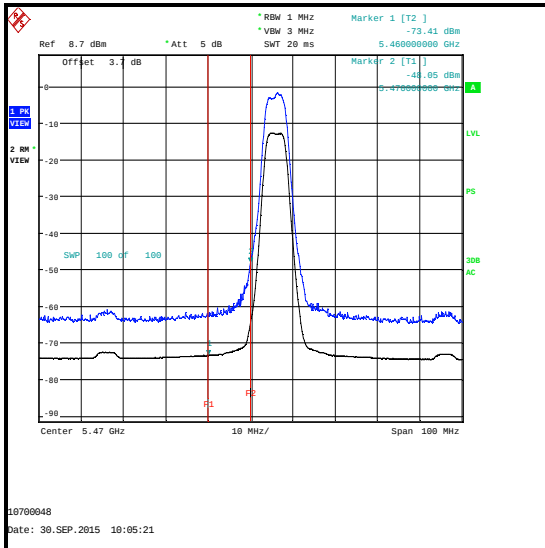
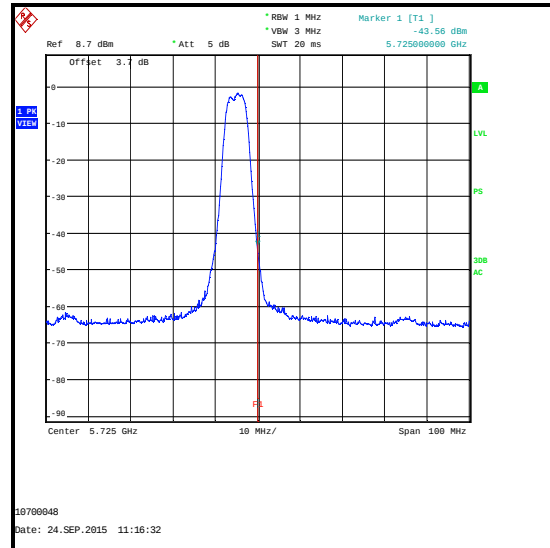
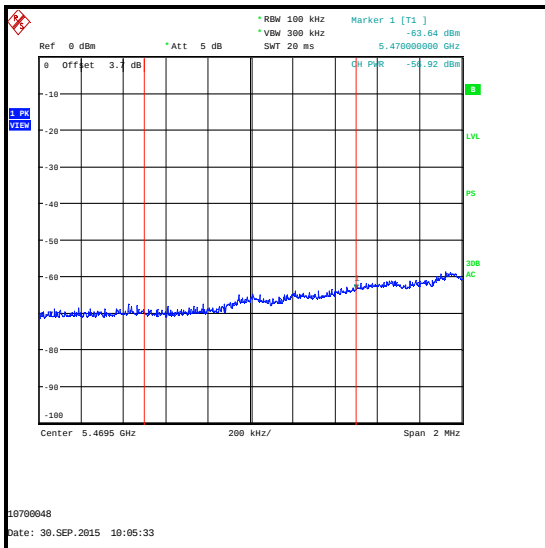
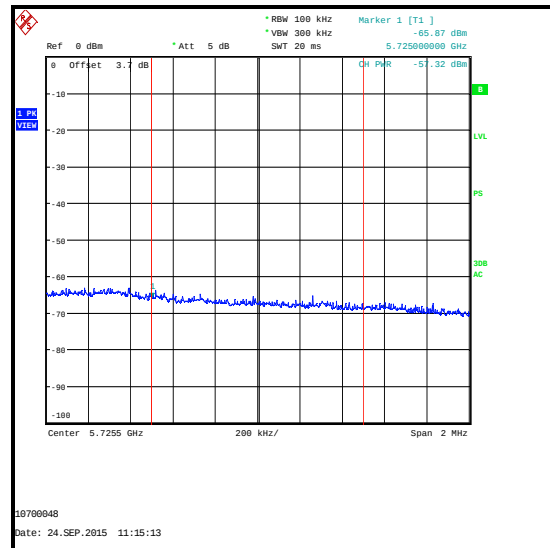
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / 2' Parabolic Antenna / 45 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 5 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-60.3*	-56.9*	-55.3	27.6	-27.7
5725	-61.3*	-57.3*	-55.8	27.6	-28.2

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.7	-27.0	0.7	Complied
5725	-28.2	-27.0	1.2	Complied

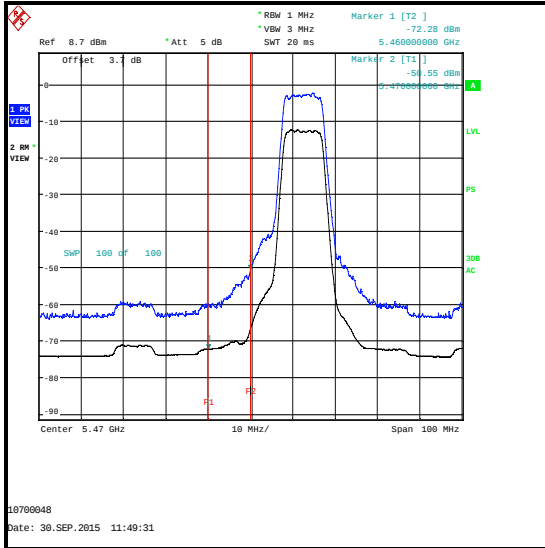
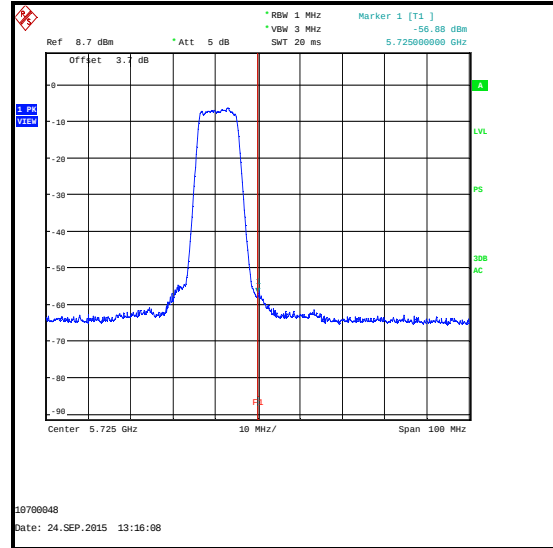
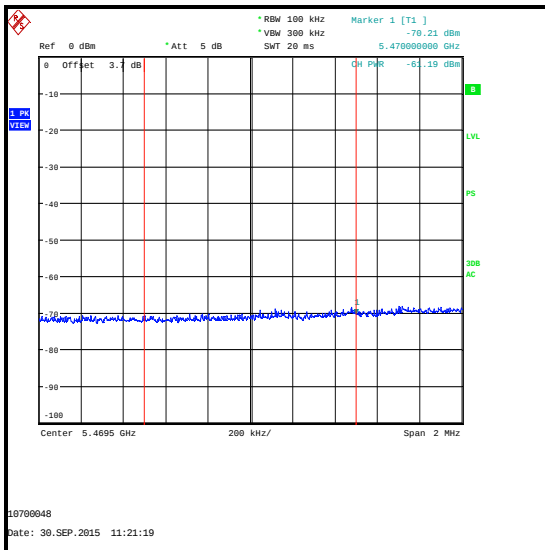
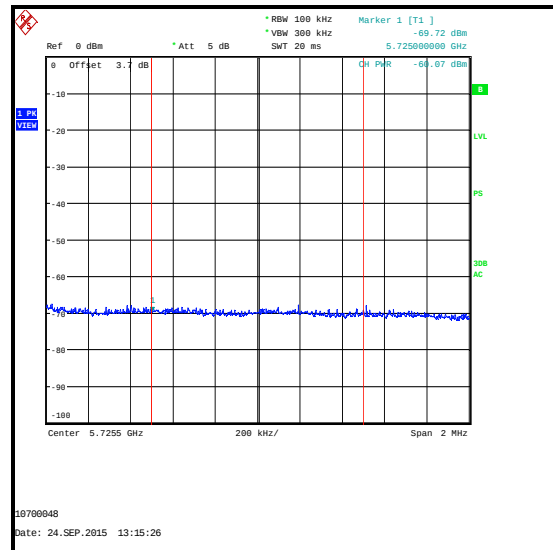
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 5 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

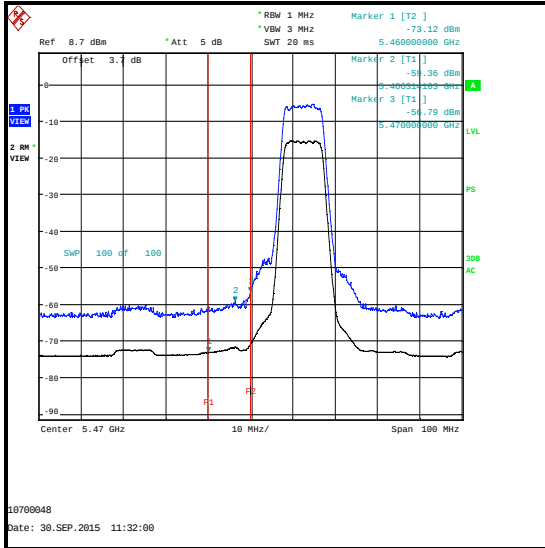
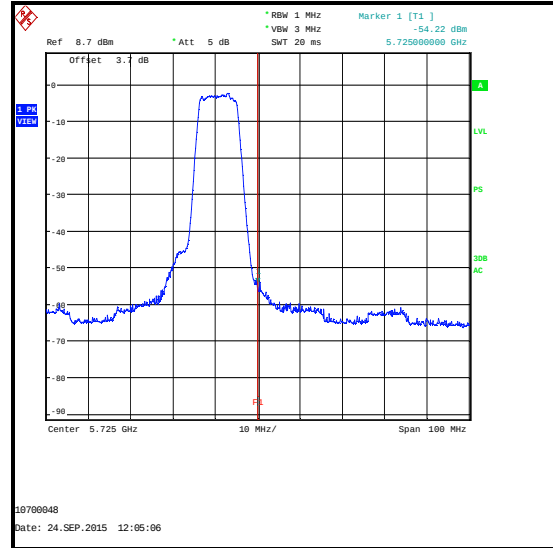
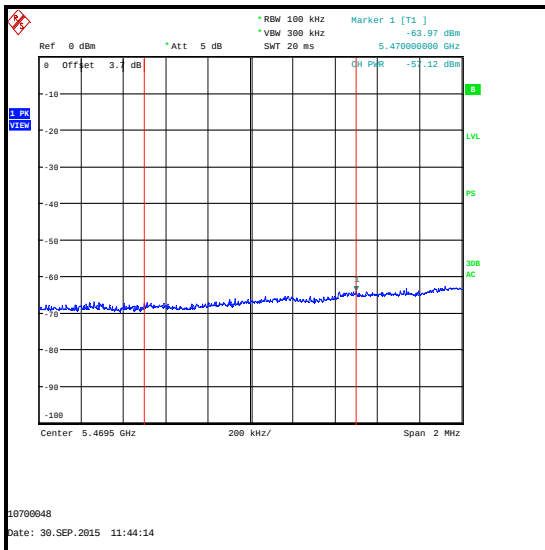
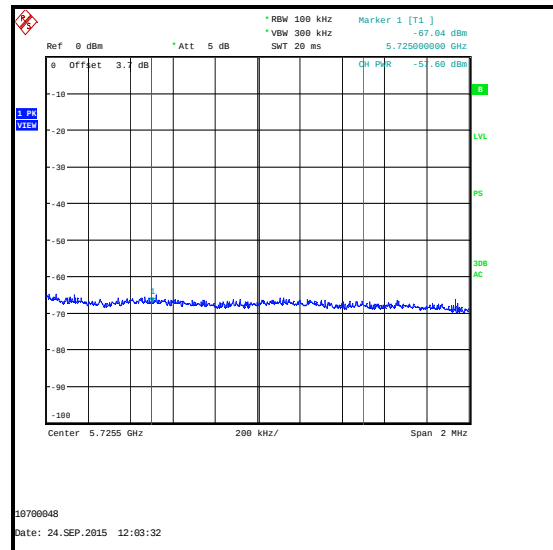
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 5 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 10 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-61.2*	-57.1*	-55.7	27.6	-28.1
5725	-60.1*	-57.6*	-55.7	27.6	-28.1

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-28.1	-27.0	1.1	Complied
5725	-28.1	-27.0	1.1	Complied

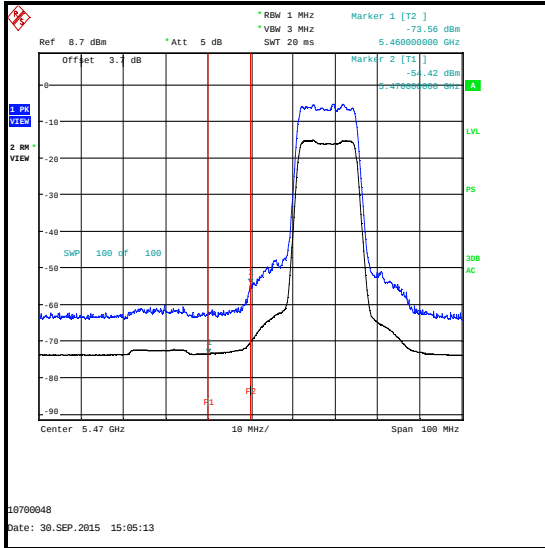
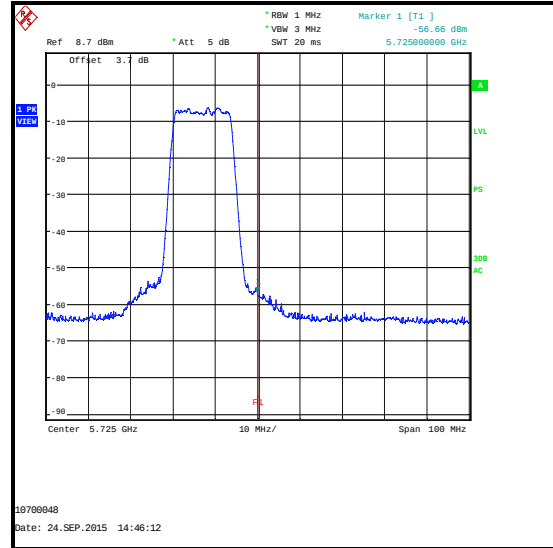
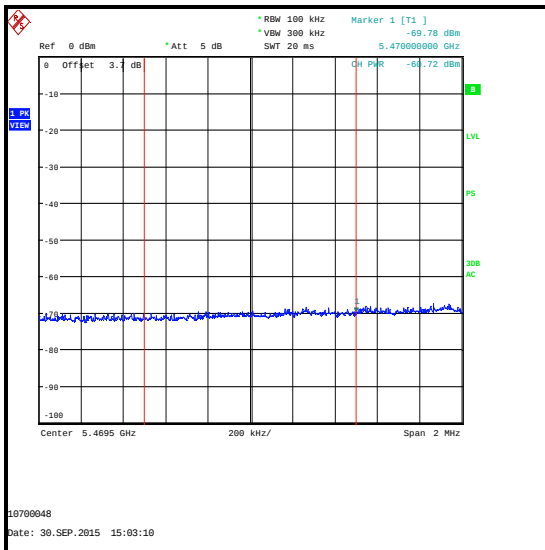
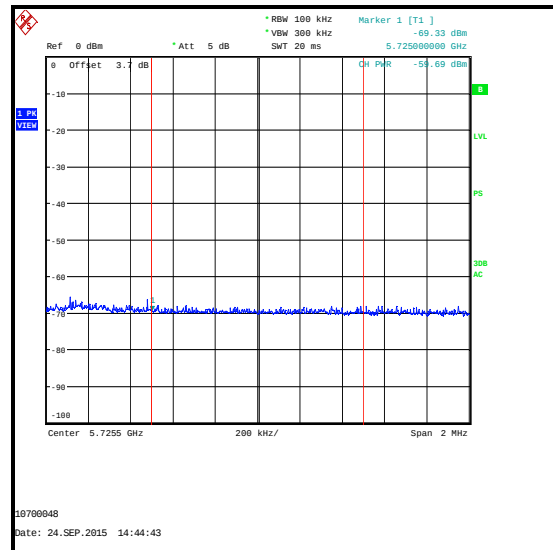
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 10 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

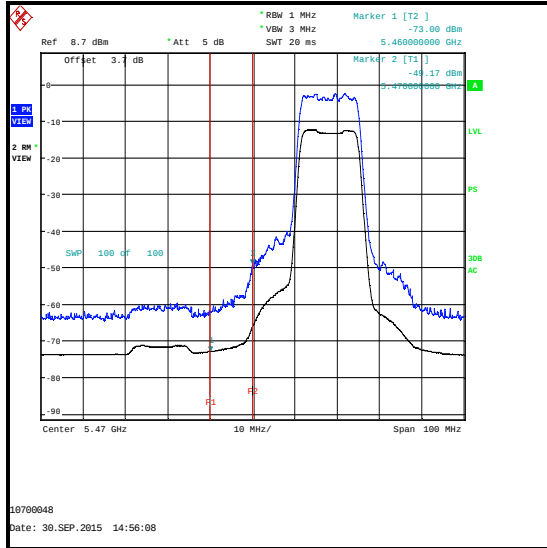
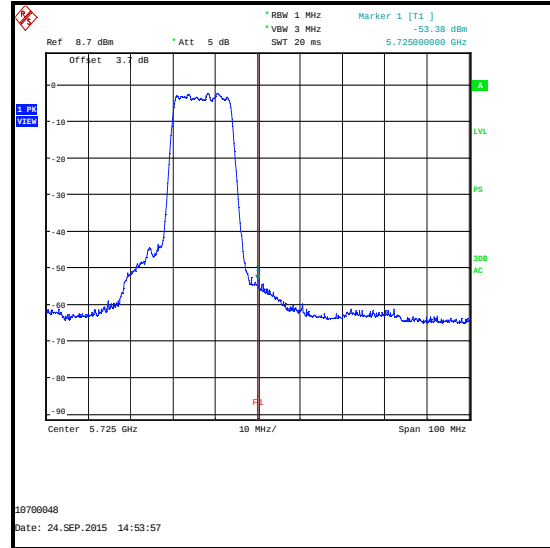
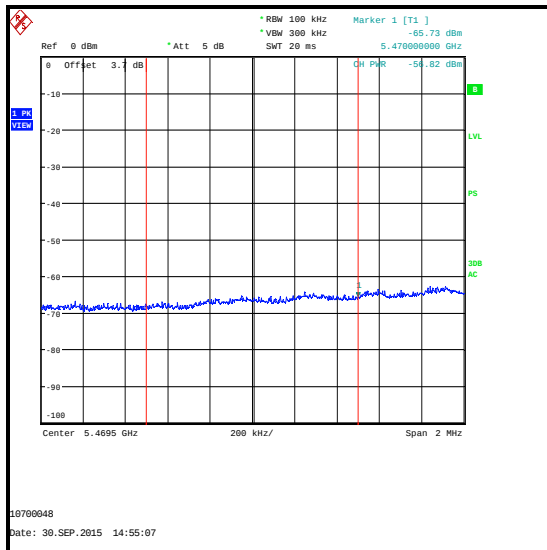
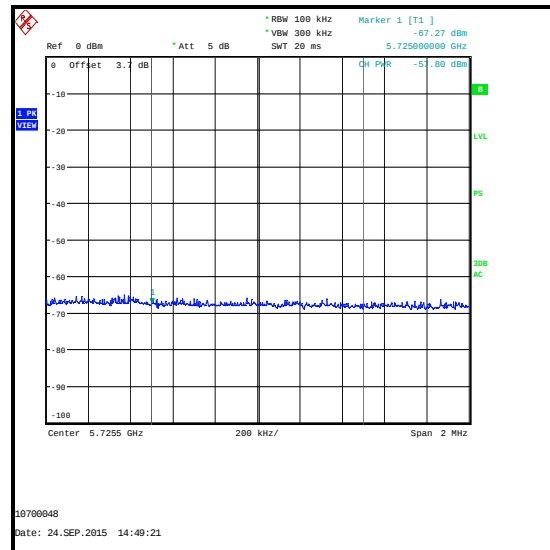
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 10 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 15 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-60.7*	-56.8*	-55.3	27.6	-27.7
5725	-59.7*	-57.8*	-55.6	27.6	-28.0

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.7	-27.0	0.7	Complied
5725	-28.0	-27.0	1.0	Complied

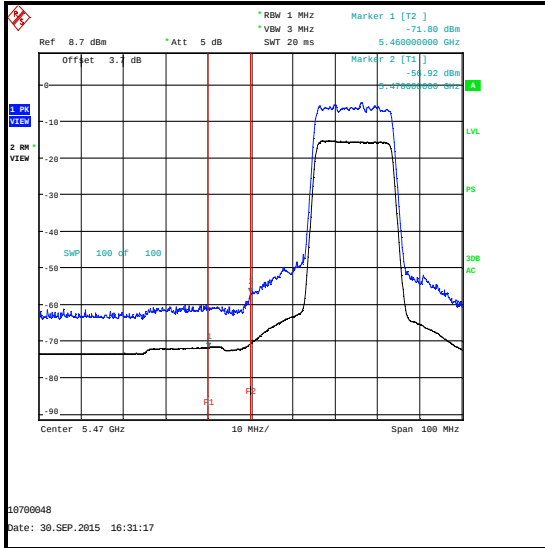
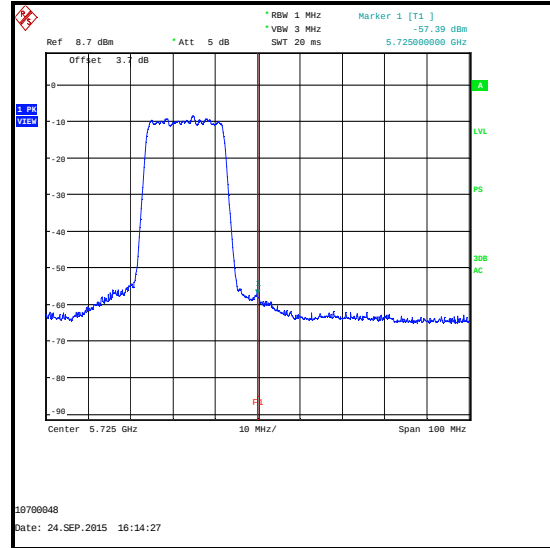
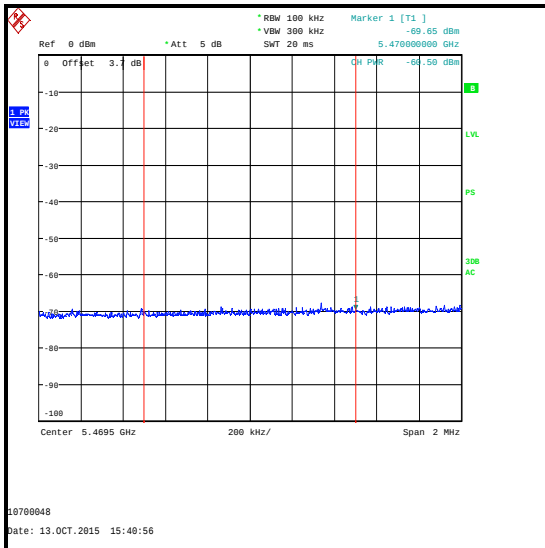
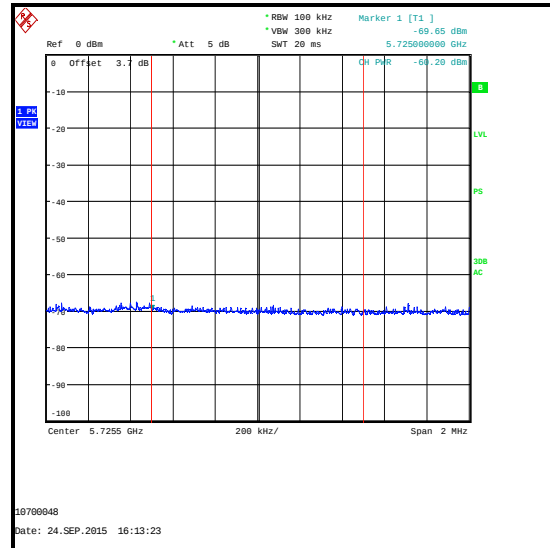
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 15 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

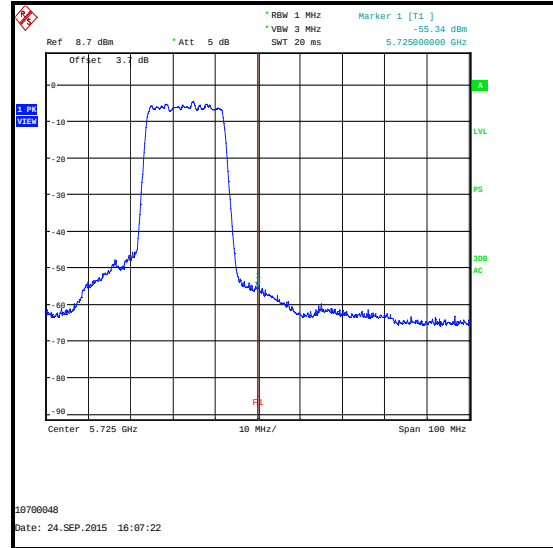
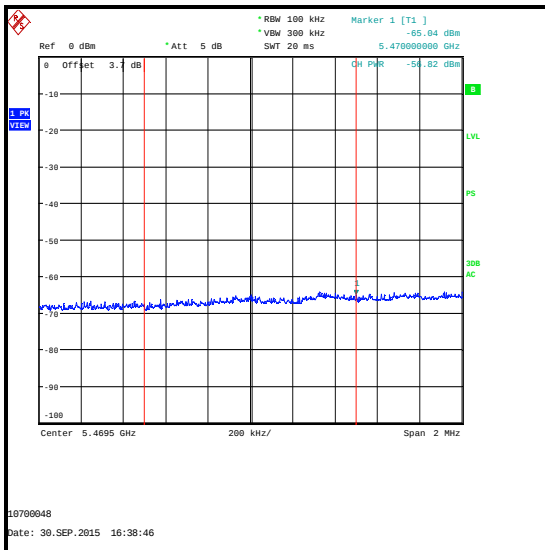
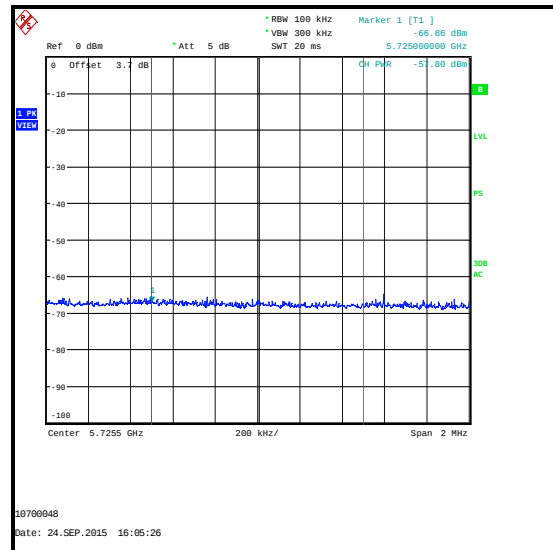
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 15 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 20 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-60.5*	-56.8*	-55.3	27.6	-27.7
5725	-60.2*	-57.8*	-55.8	27.6	-28.2

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.7	-27.0	0.7	Complied
5725	-28.2	-27.0	1.2	Complied

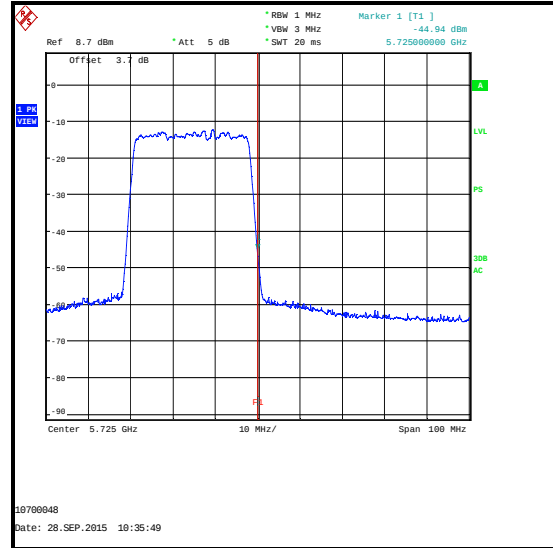
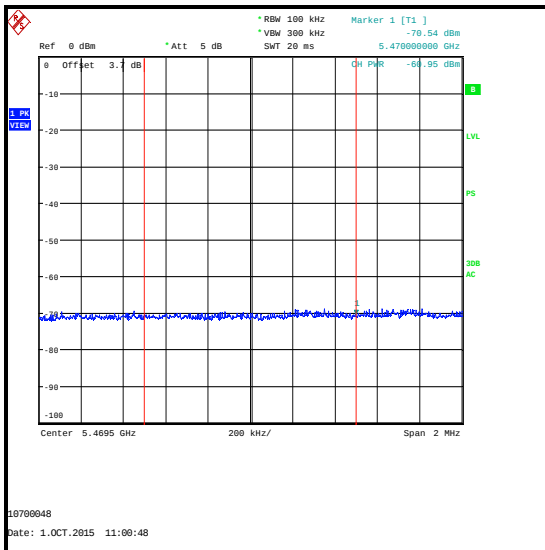
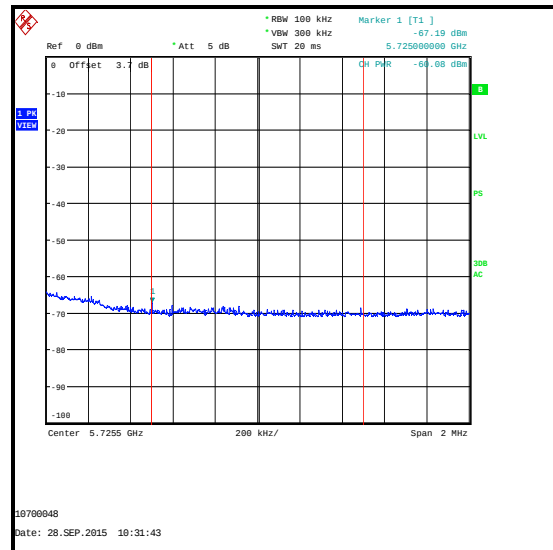
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 20 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

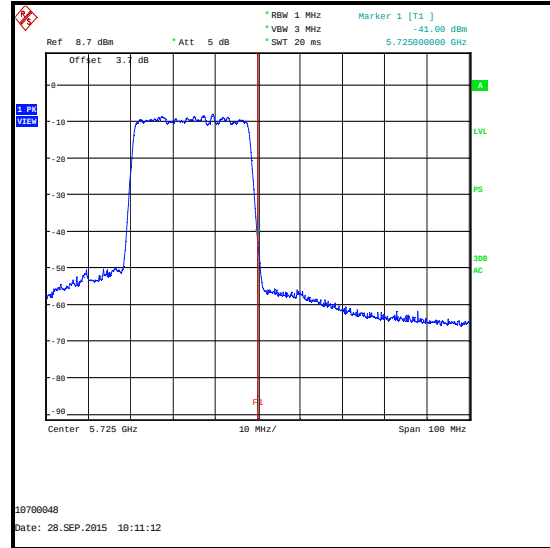
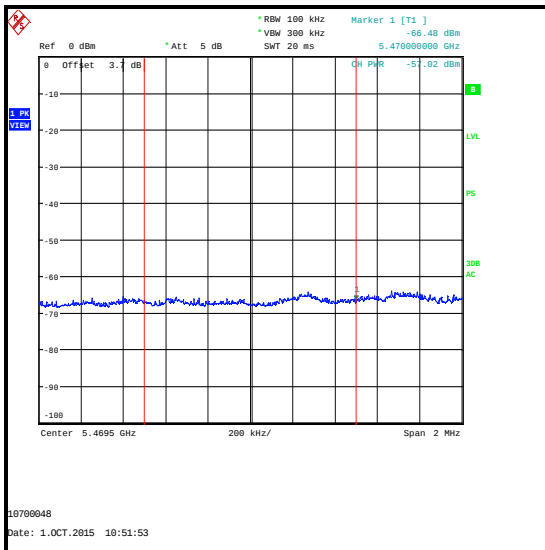
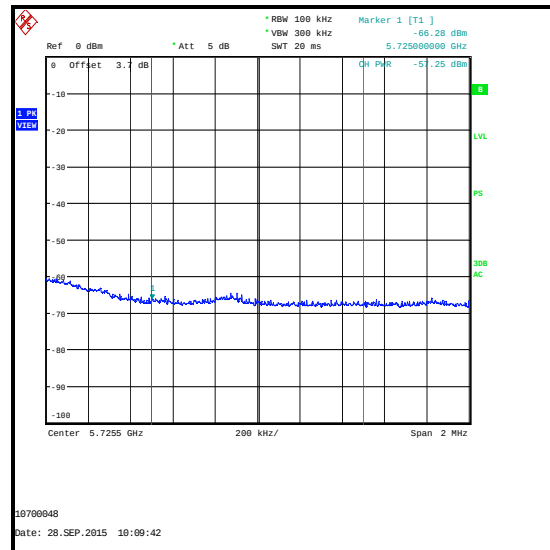
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 20 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 30 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-60.9*	-57.0*	-55.5	27.6	-27.9
5725	-60.1*	-57.2*	-55.4	27.6	-27.8

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.9	-27.0	0.9	Complied
5725	-27.8	-27.0	0.8	Complied

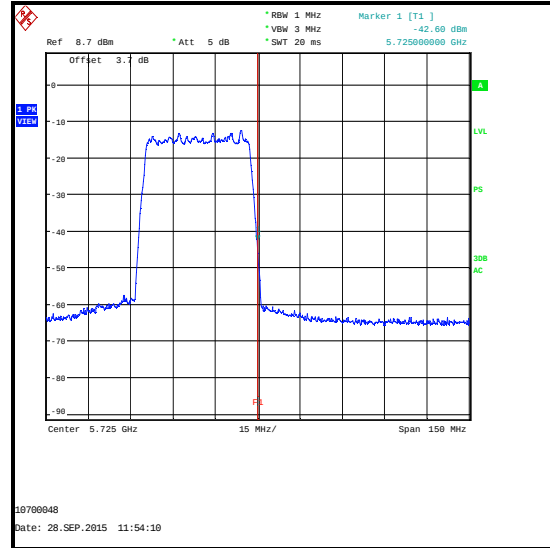
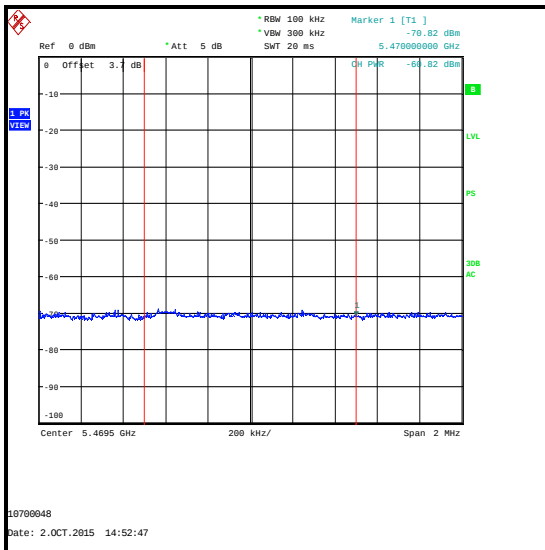
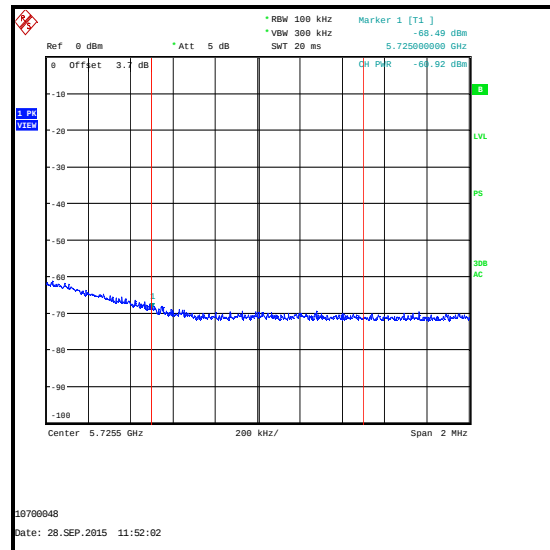
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 30 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

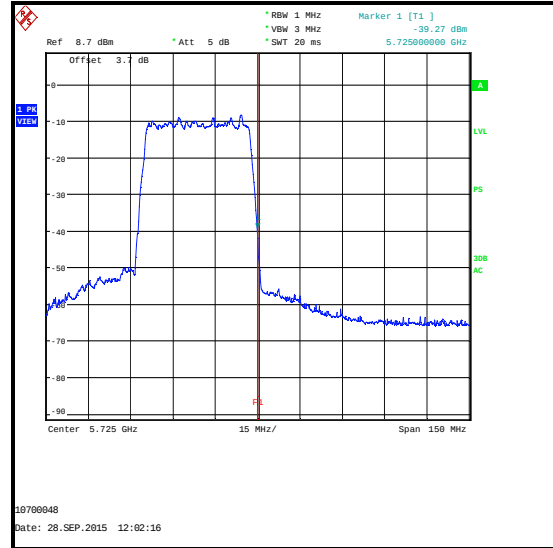
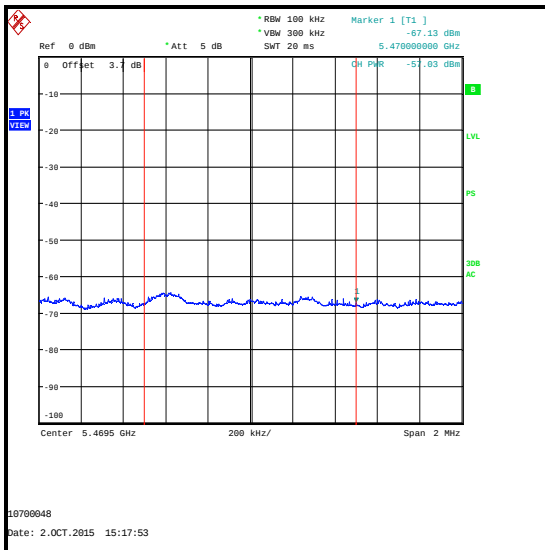
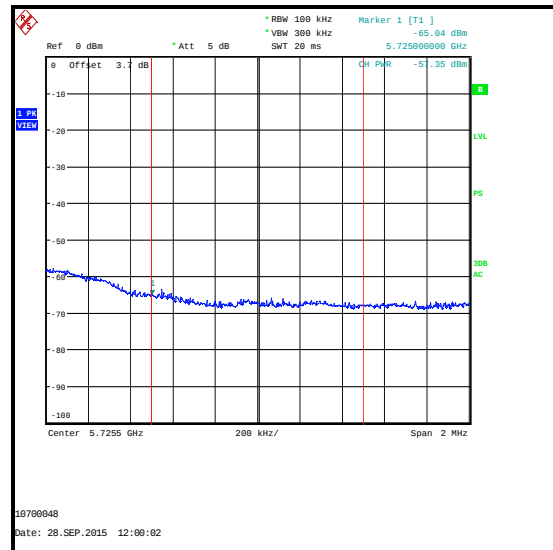
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 30 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 40 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-60.8*	-57.0*	-55.5	27.6	-27.9
5725	-60.9*	-57.3*	-55.7	27.6	-28.1

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.9	-27.0	0.9	Complied
5725	-28.1	-27.0	1.1	Complied

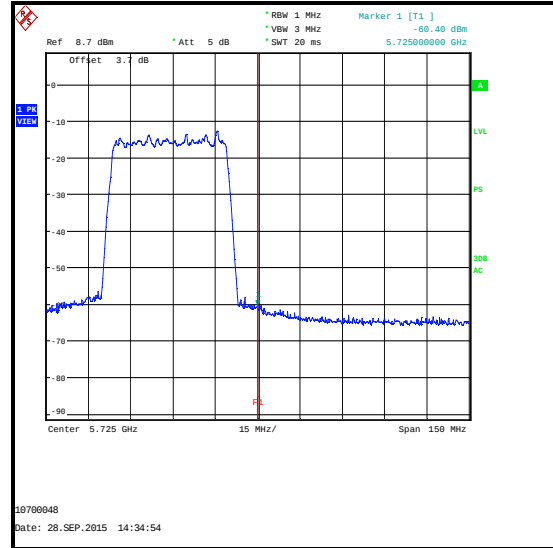
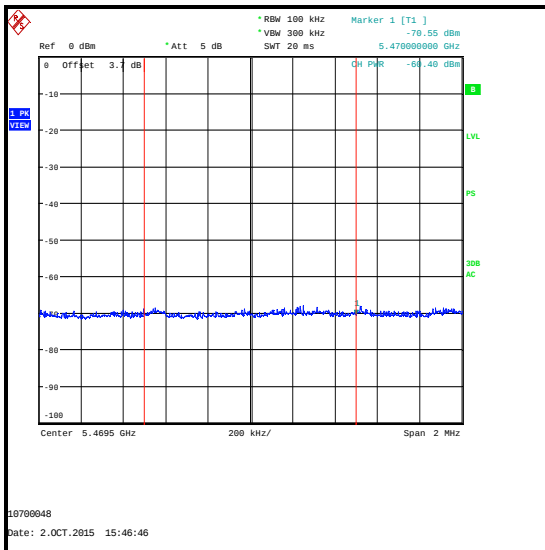
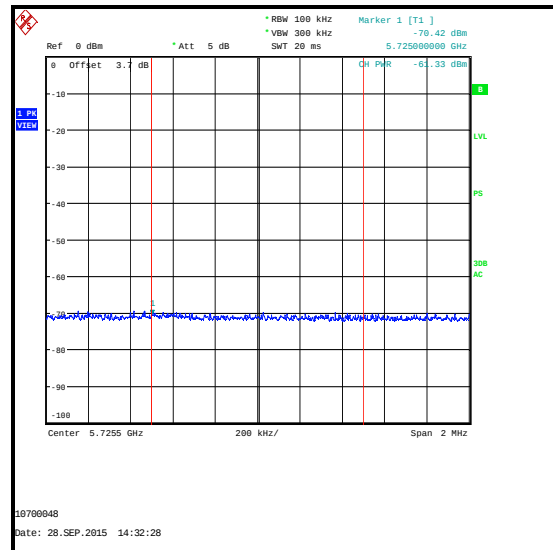
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 40 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

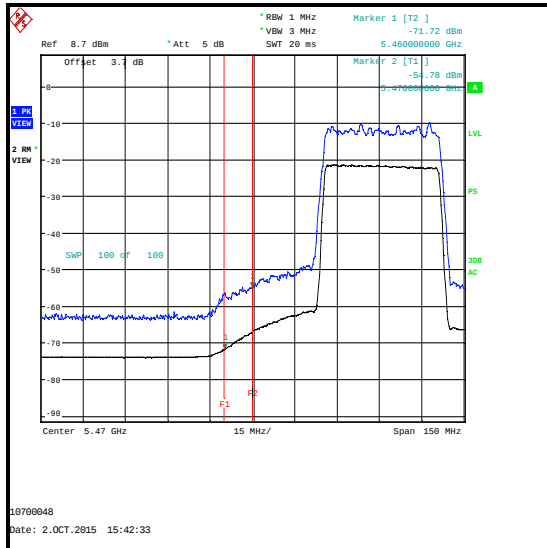
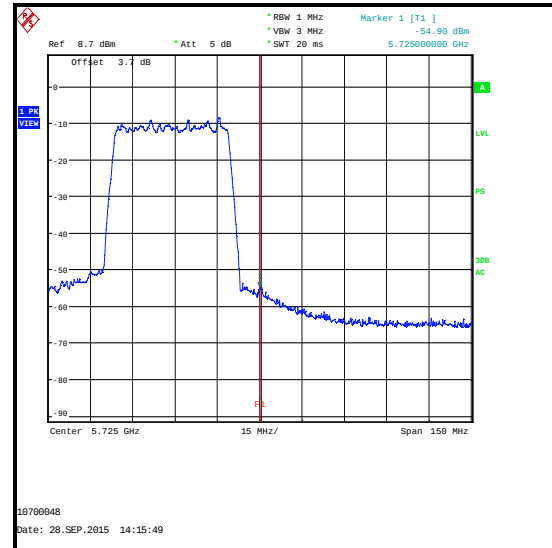
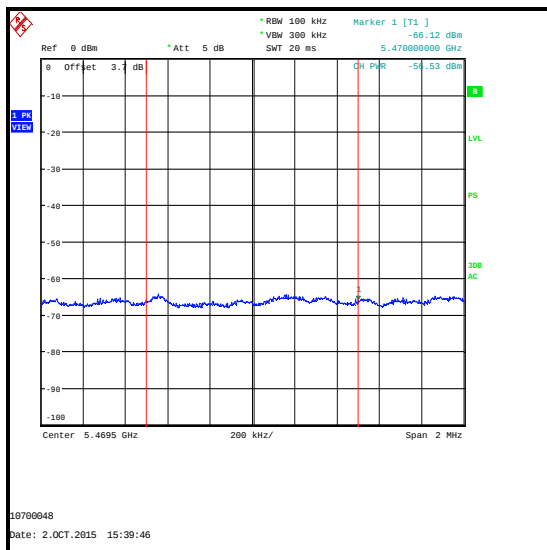
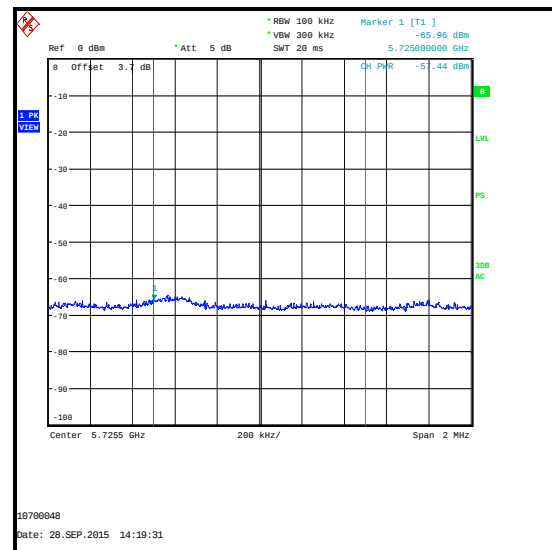
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 40 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 45 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-60.4*	-56.5*	-55.0	27.6	-27.4
5725	-61.3*	-57.4*	-55.9	27.6	-28.3

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.4	-27.0	0.4	Complied
5725	-28.3	-27.0	1.3	Complied

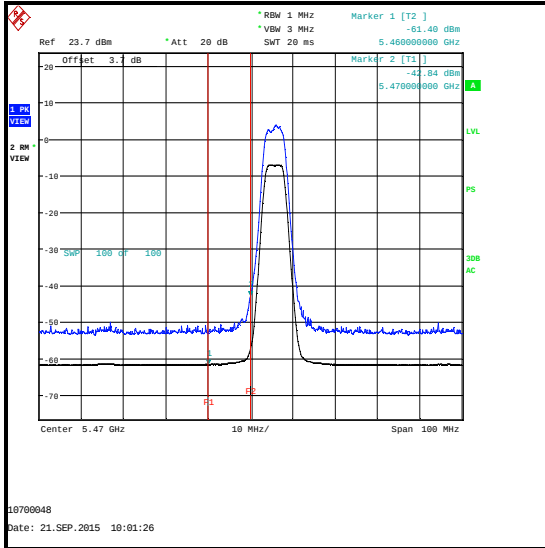
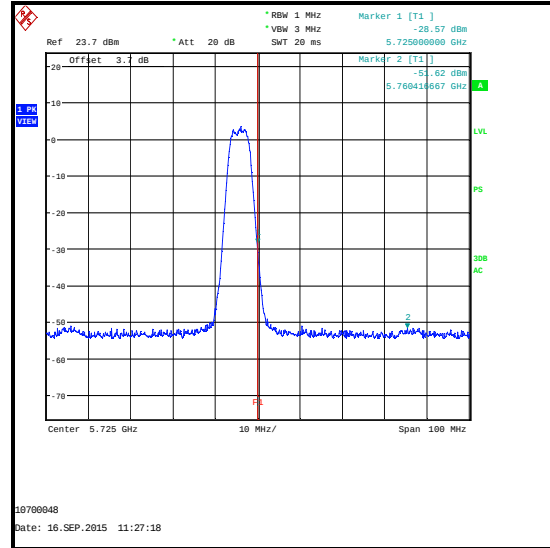
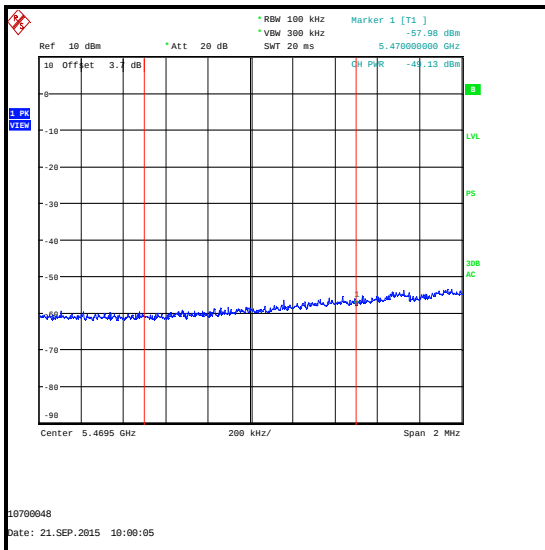
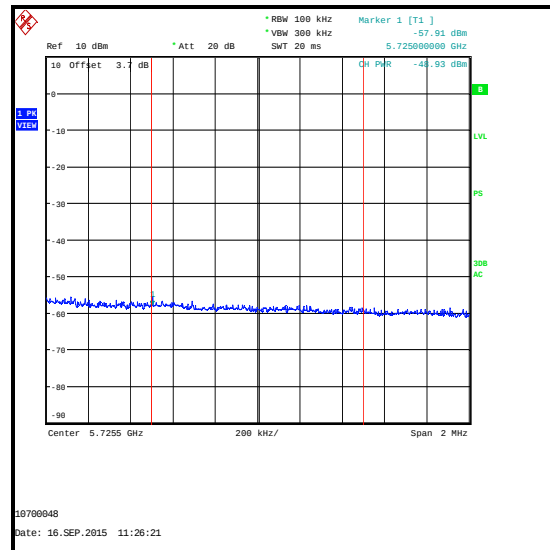
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 45 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

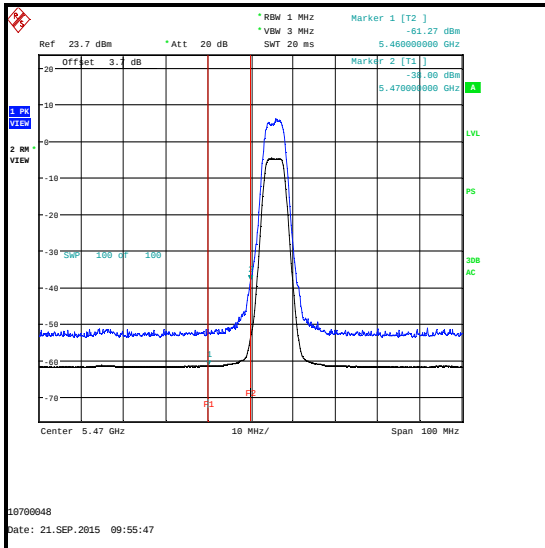
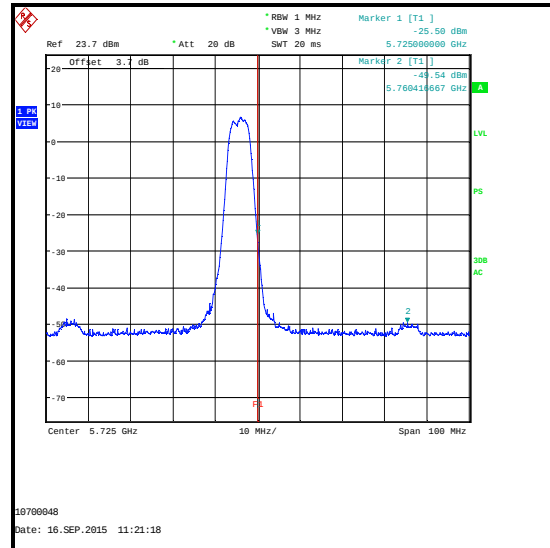
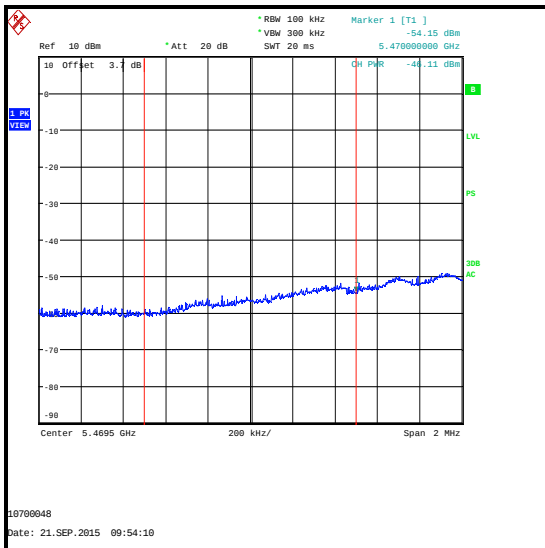
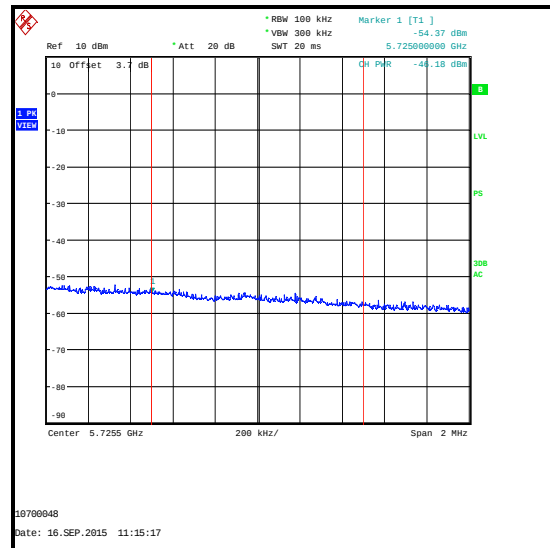
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Plate Antenna / 45 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 5 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-49.1*	-46.1*	-44.3	16.1	-28.2
5725	-48.9*	-46.2*	-44.3	16.1	-28.2
5760.417	-51.6	-49.5	-47.4	16.1	-31.3

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-28.2	-27.0	1.2	Complied
5725	-28.2	-27.0	1.2	Complied
5760.417	-31.3	-27.0	4.3	Complied

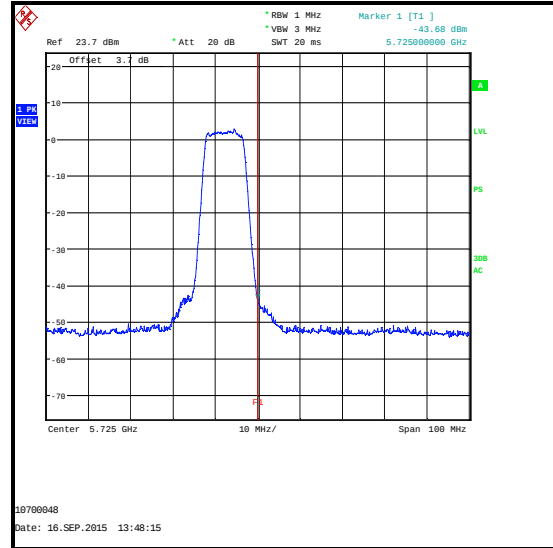
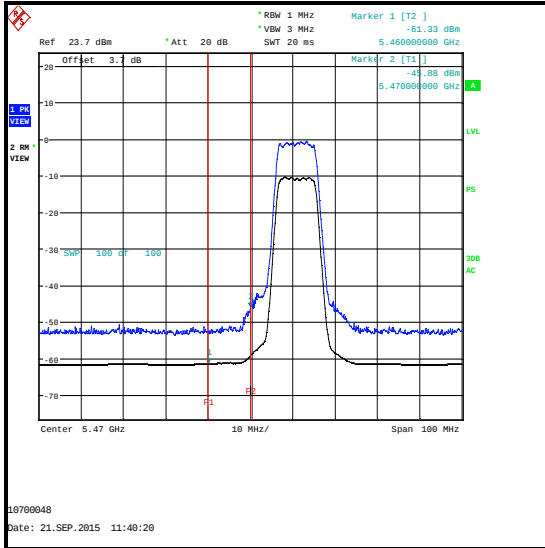
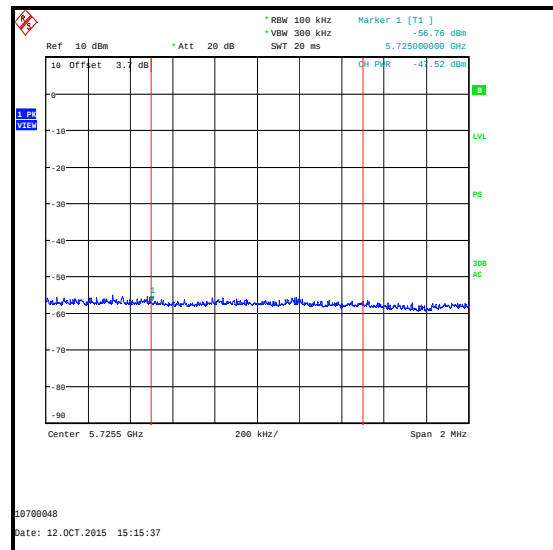
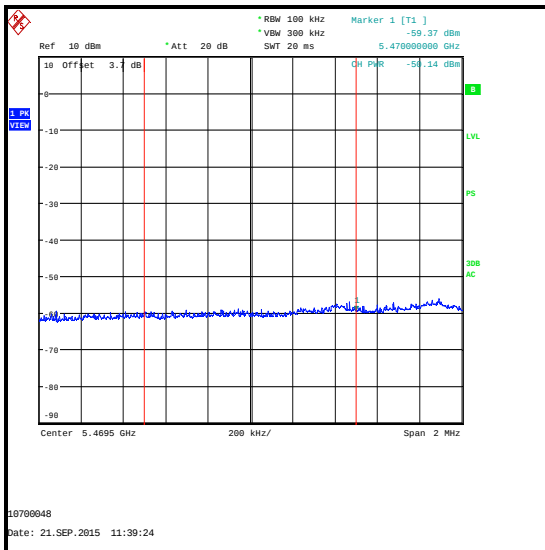
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 5 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

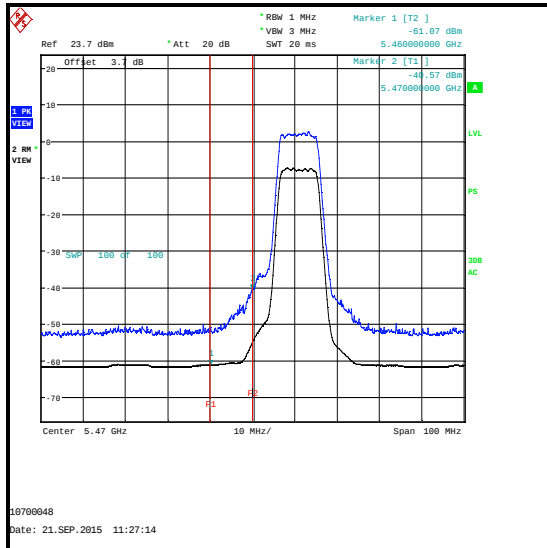
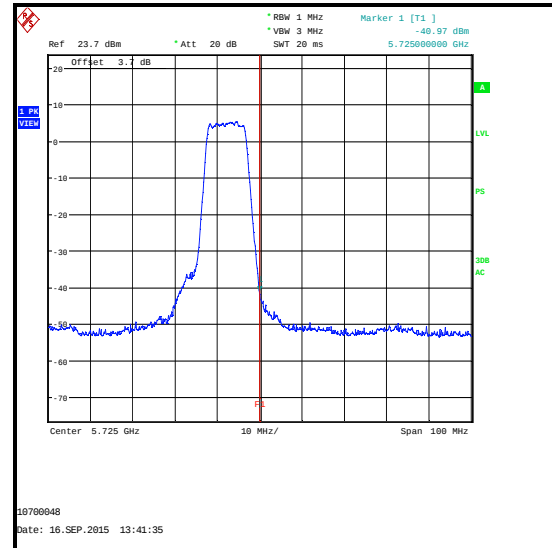
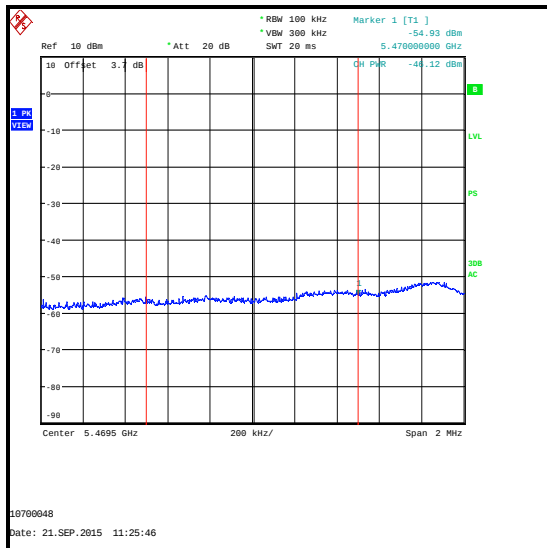
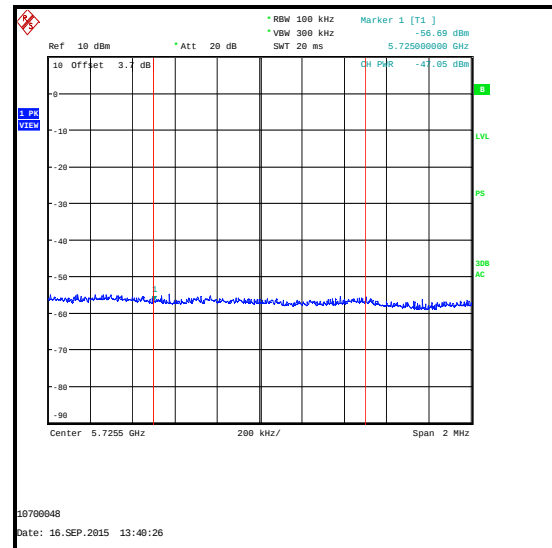
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 5 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 10 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-50.1*	-46.1*	-44.6	16.1	-28.5
5725	-47.5*	-47.0*	-44.2	16.1	-28.1

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-28.5	-27.0	1.5	Complied
5725	-28.1	-27.0	1.1	Complied

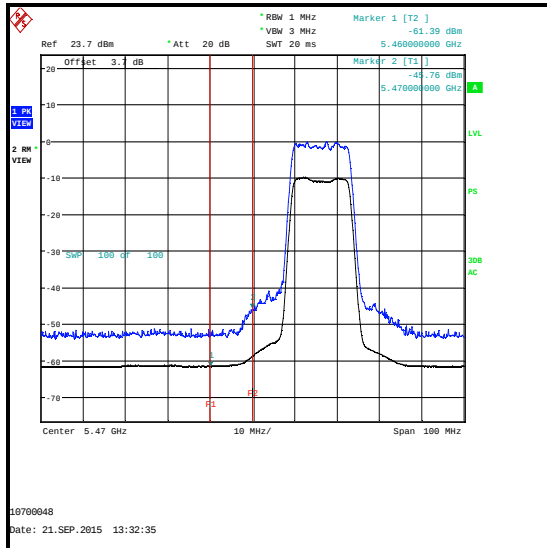
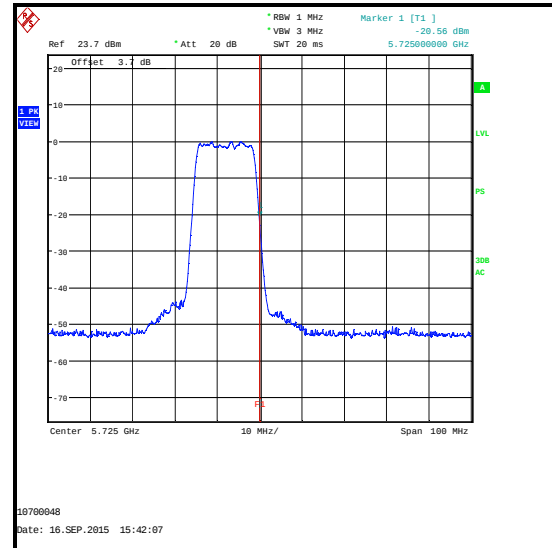
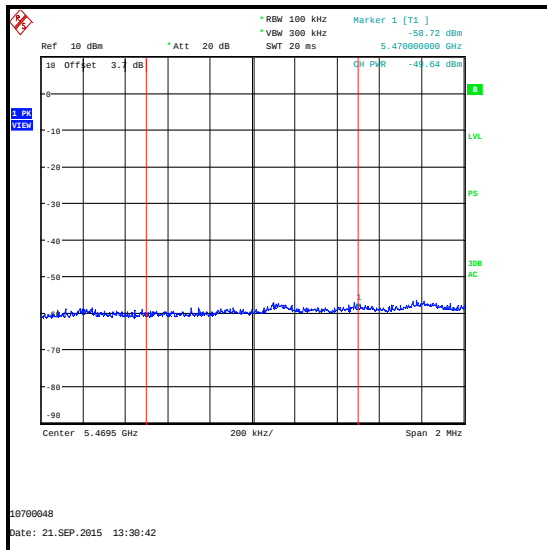
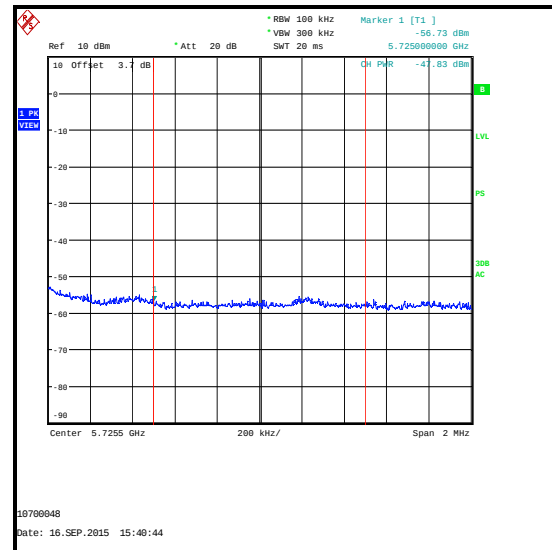
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 10 MHz Channel****H Port****Lower Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

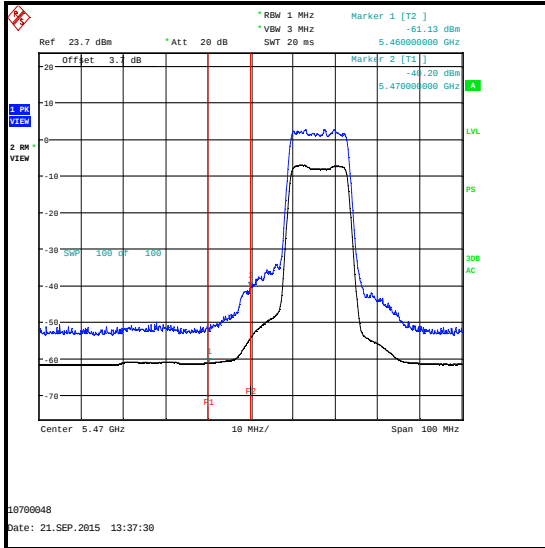
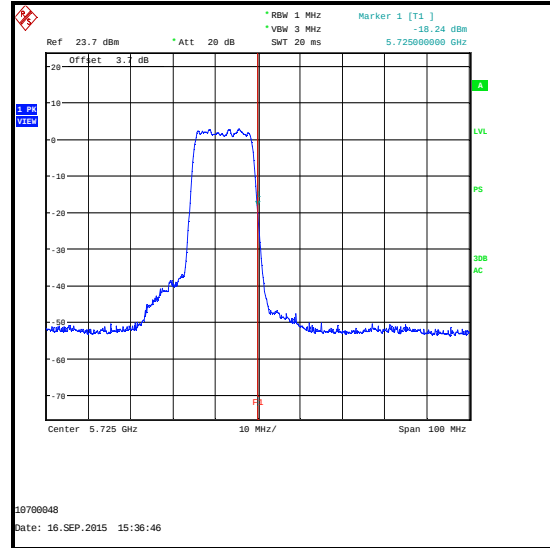
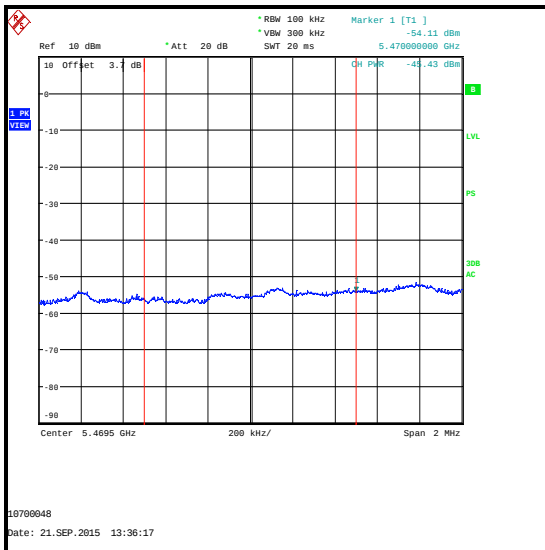
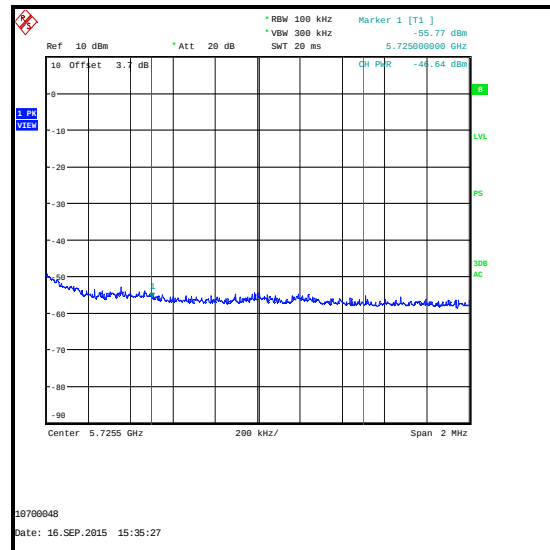
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 10 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 15 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-49.6*	-45.4*	-44.0	16.1	-27.9
5725	-47.8*	-46.6*	-44.1	16.1	-28.0

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.9	-27.0	0.9	Complied
5725	-28.0	-27.0	1.0	Complied

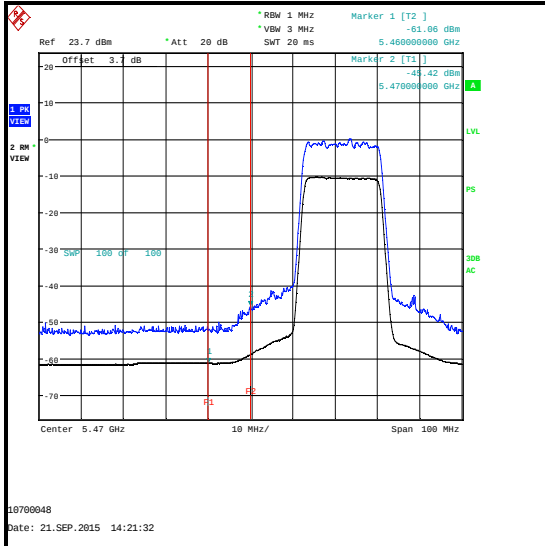
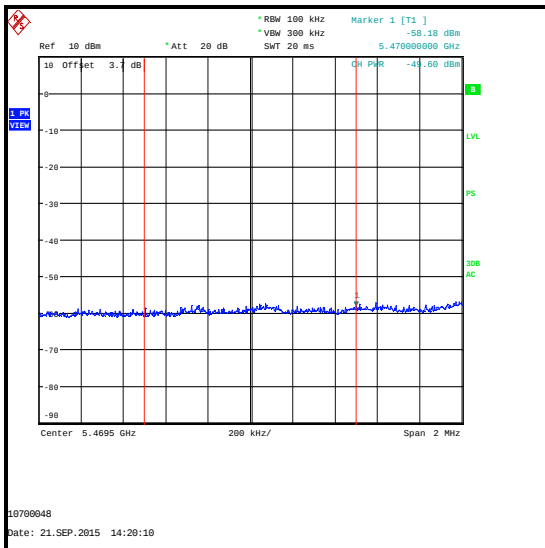
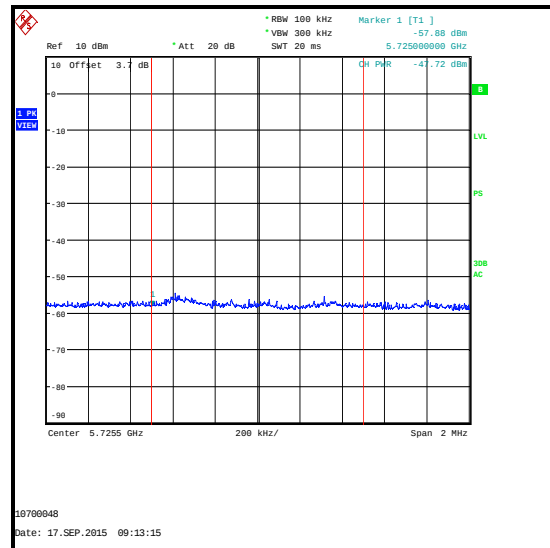
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 15 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

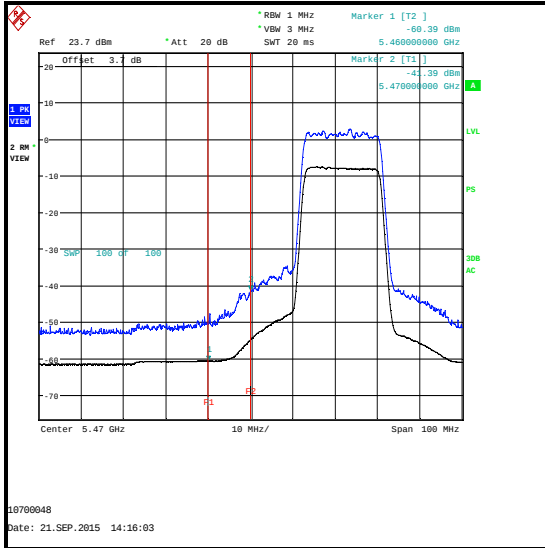
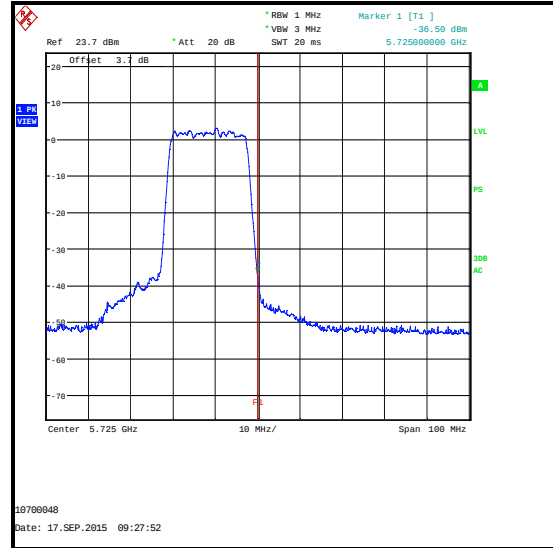
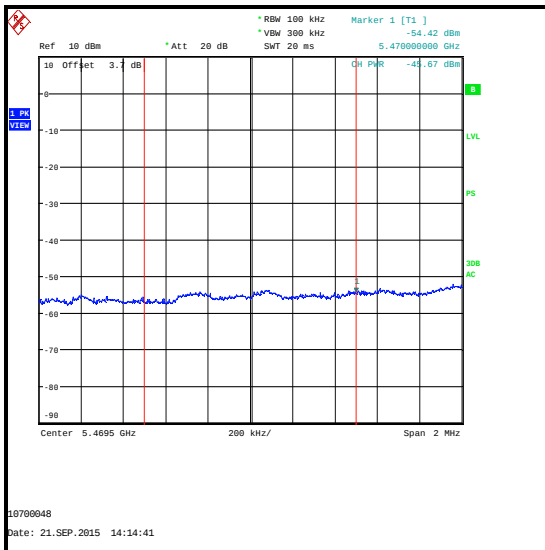
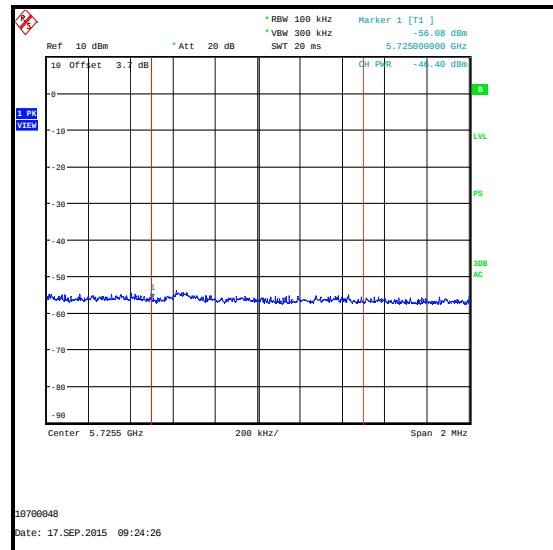
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 15 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 20 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-49.6*	-45.7*	-44.2	16.1	-28.1
5725	-47.7*	-46.4*	-44.0	16.1	-27.9

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-28.1	-27.0	1.1	Complied
5725	-27.9	-27.0	0.9	Complied

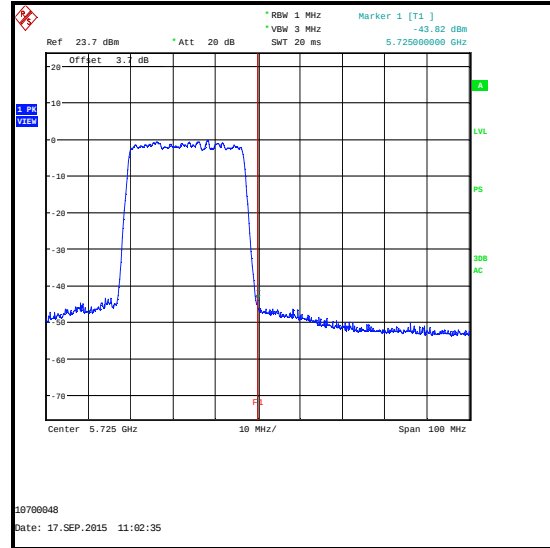
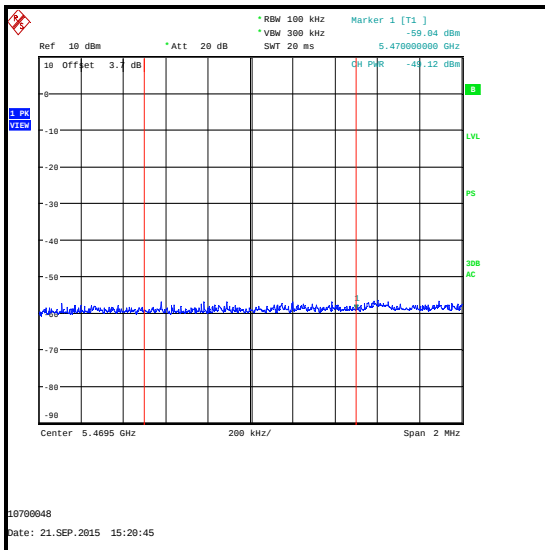
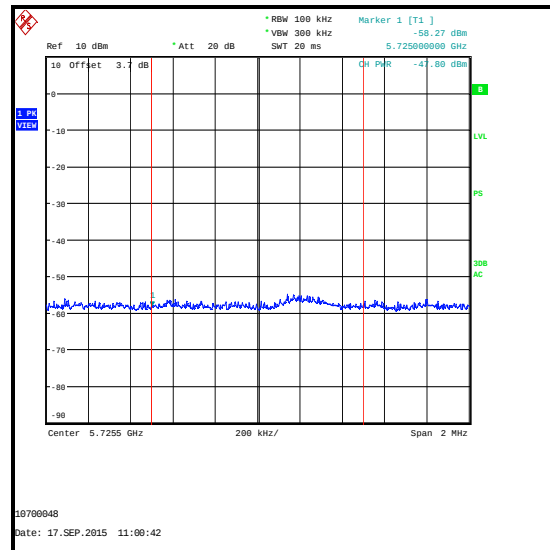
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 20 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

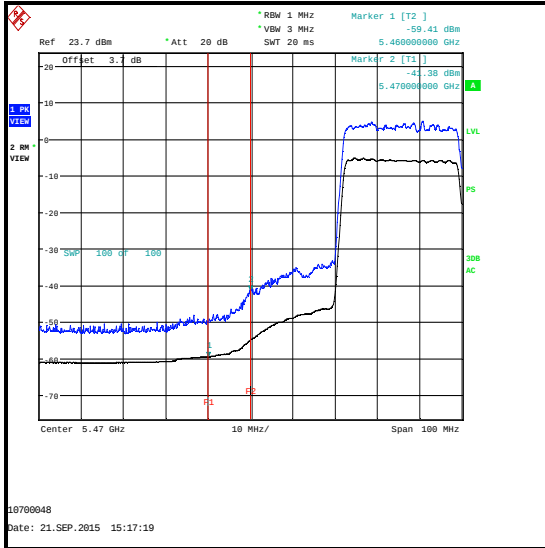
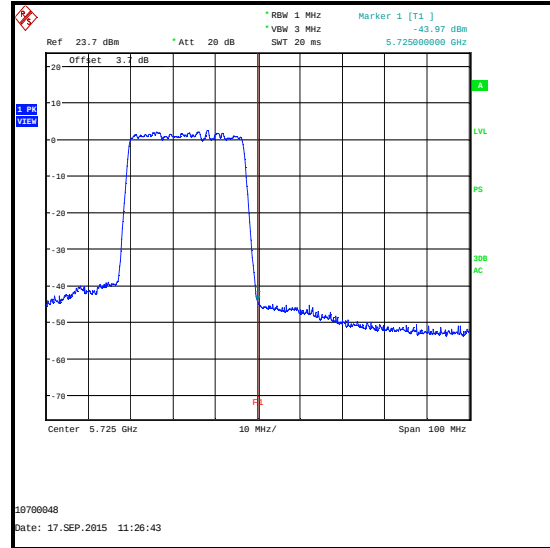
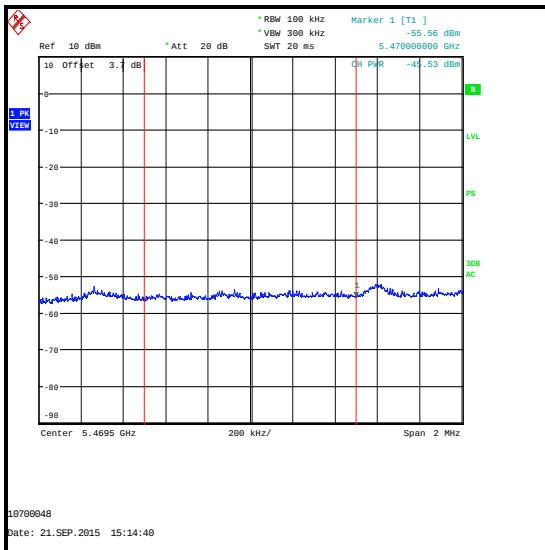
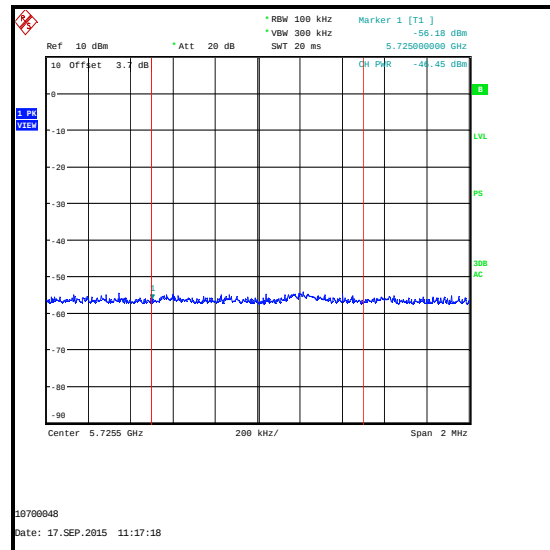
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 20 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 30 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-49.1*	-45.5*	-43.9	16.1	-27.8
5725	-47.8*	-46.4*	-44.0	16.1	-27.9

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-27.8	-27.0	0.8	Complied
5725	-27.9	-27.0	0.9	Complied

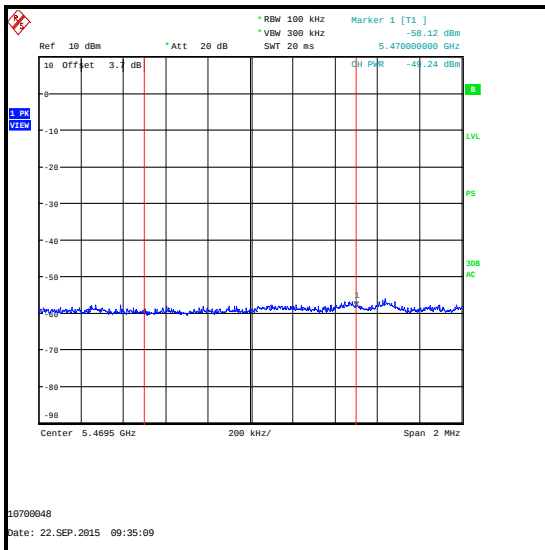
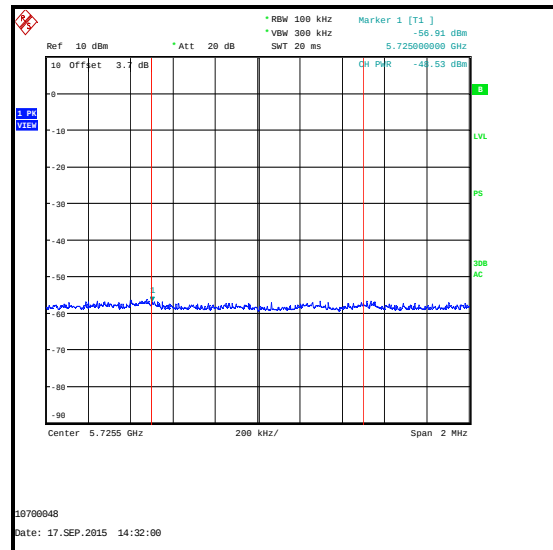
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 30 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

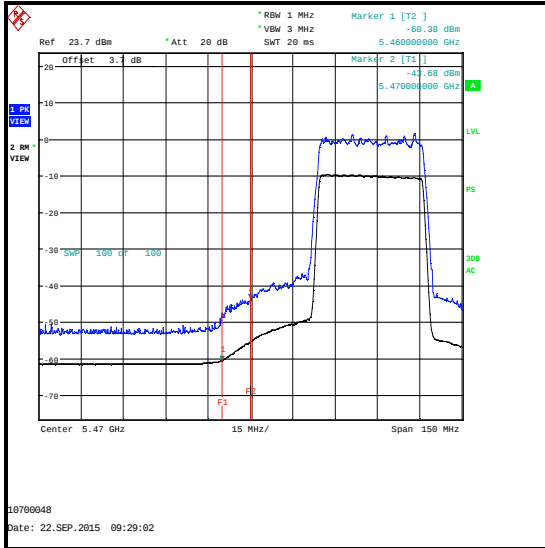
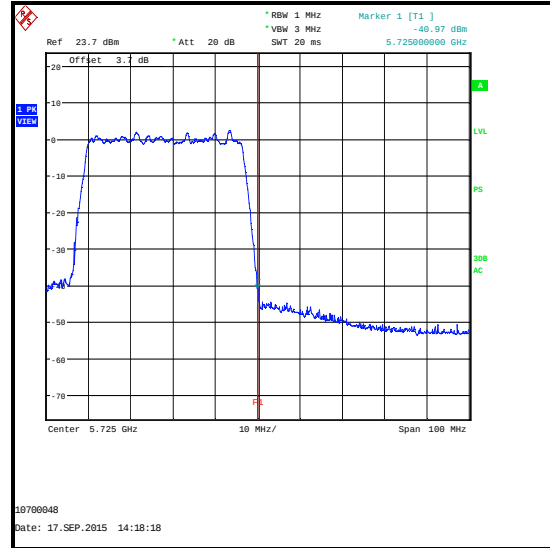
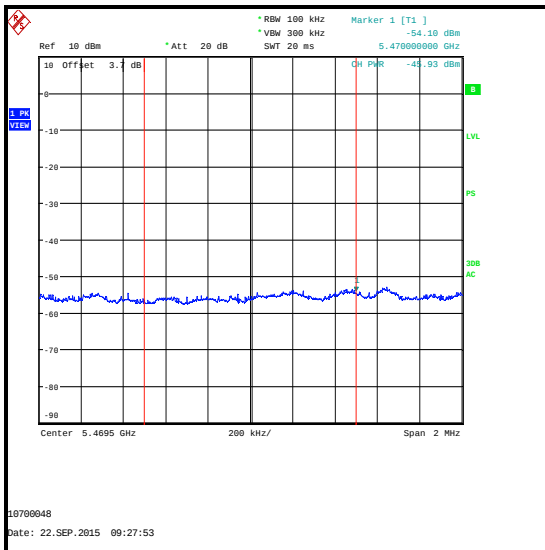
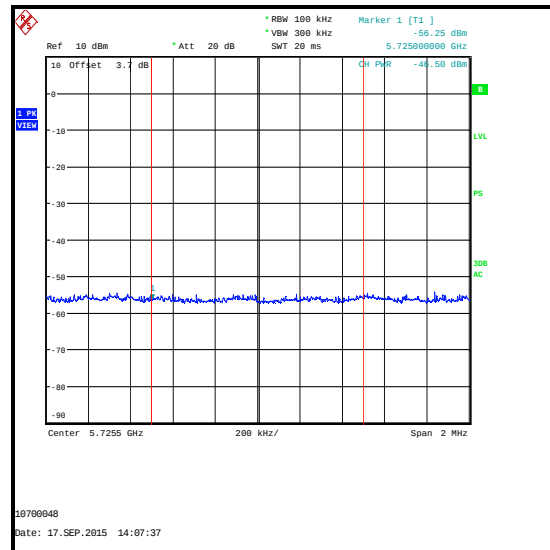
Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 30 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 40 MHz Channel**

Frequency (MHz)	Conducted Emission Level H Port (dBm/MHz)	Conducted Emission Level V Port (dBm/MHz)	Combined Conducted Emission Level (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)
5470	-49.2*	-45.9*	-44.2	16.1	-28.1
5725	-48.5*	-46.5*	-44.4	16.1	-28.3

Frequency (MHz)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Margin (dB)	Result
5470	-28.1	-27.0	1.1	Complied
5725	-28.3	-27.0	1.3	Complied

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 40 MHz Channel****H Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**

Transmitter Band Edge Conducted Emissions (5.47-5.725 GHz Band) (continued)**Results: BPSK / Sectorised Antenna / 40 MHz Channel****V Port****Lower Band Edge Measurement****Upper Band Edge Measurement****Lower Band Edge Measurement
Integration method****Upper Band Edge Measurement
Integration method**