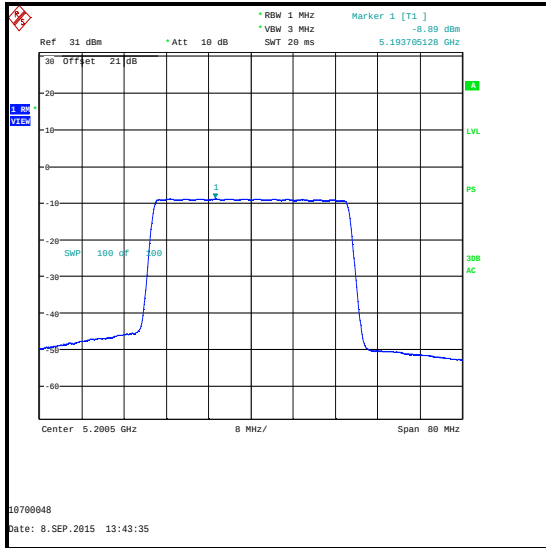
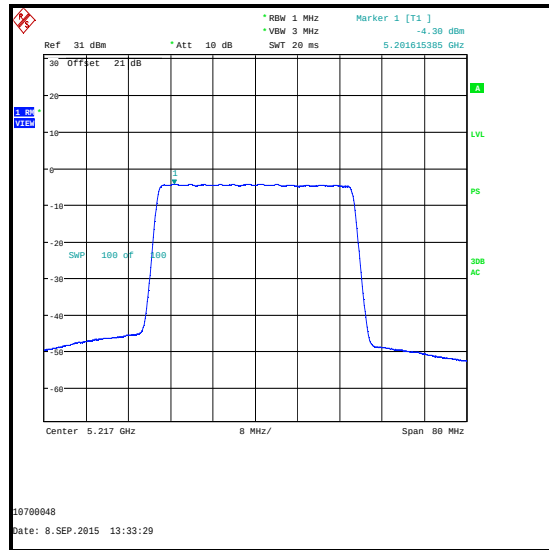
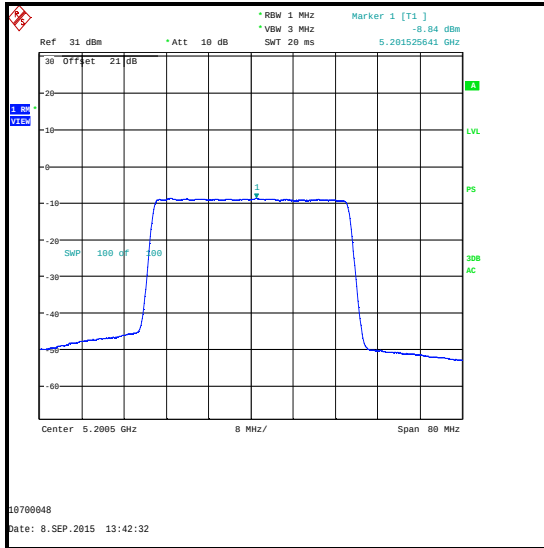


Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Sectorised Antenna / 40 MHz Channel / BPSK****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Sectorised Antenna / 40 MHz Channel / 256QAM**

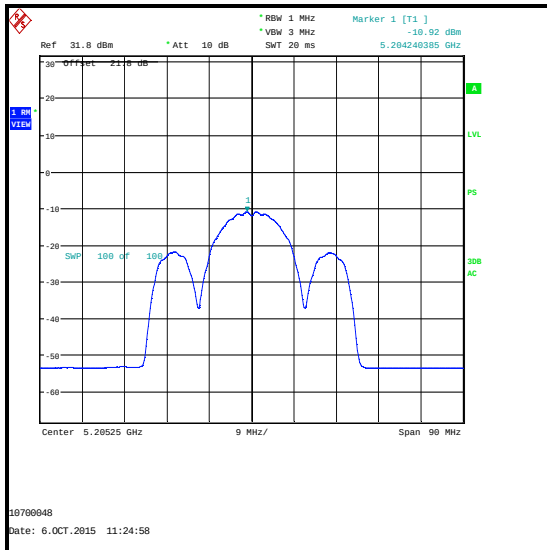
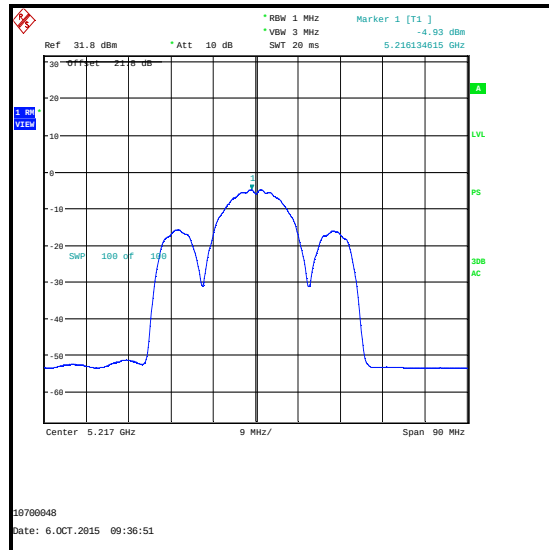
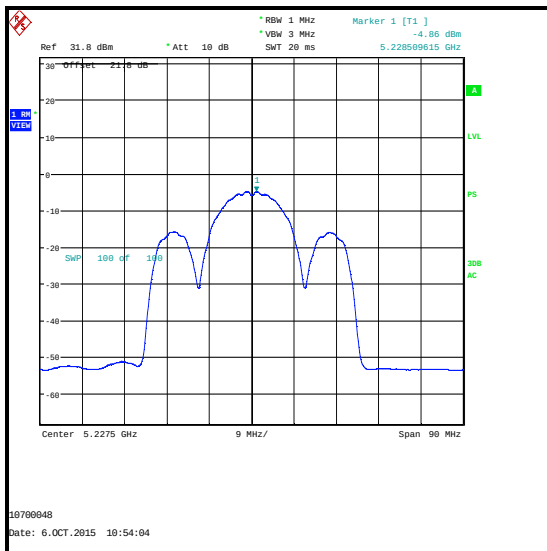
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-10.6	-8.8	-6.6	6.9	13.5	Complied
Middle	-4.3	-3.0	-0.6	6.9	7.5	Complied
Top	-4.3	-3.0	-0.6	6.9	7.5	Complied

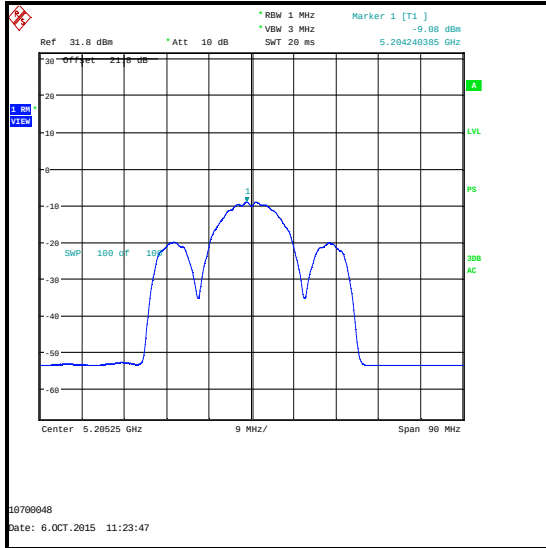
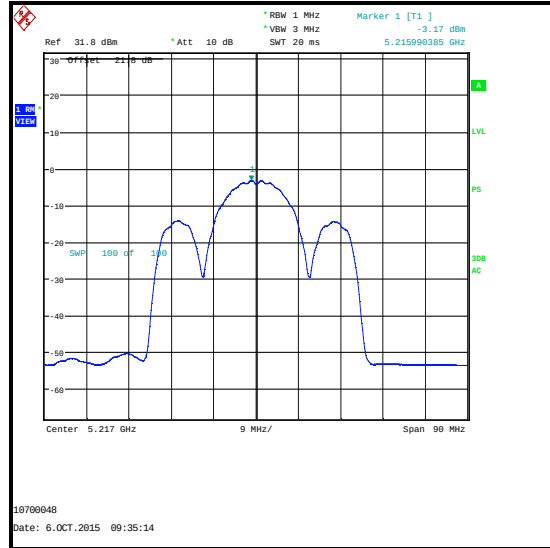
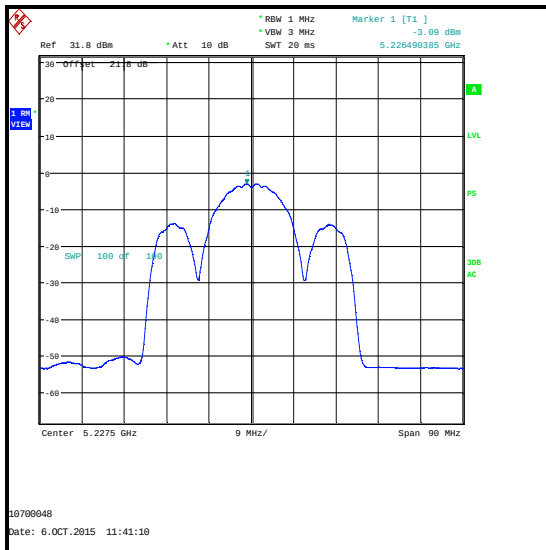
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Sectorised Antenna / 40 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Sectorised Antenna / 45 MHz Channel / AQU**

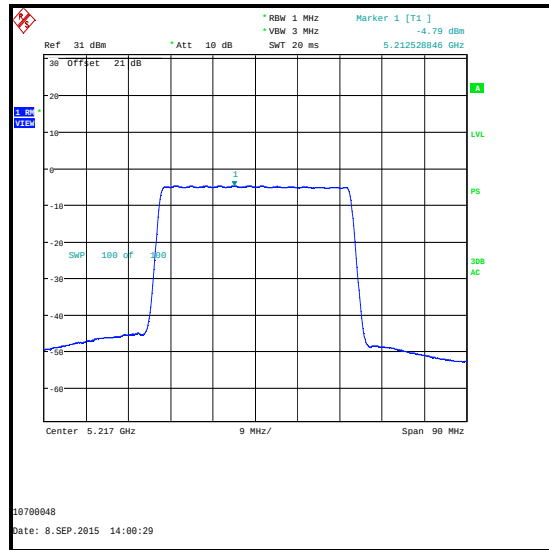
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-10.9	-9.1	-6.9	6.9	13.8	Complied
Middle	-4.9	-3.2	-1.0	6.9	7.9	Complied
Top	-4.9	-3.1	-0.9	6.9	7.8	Complied

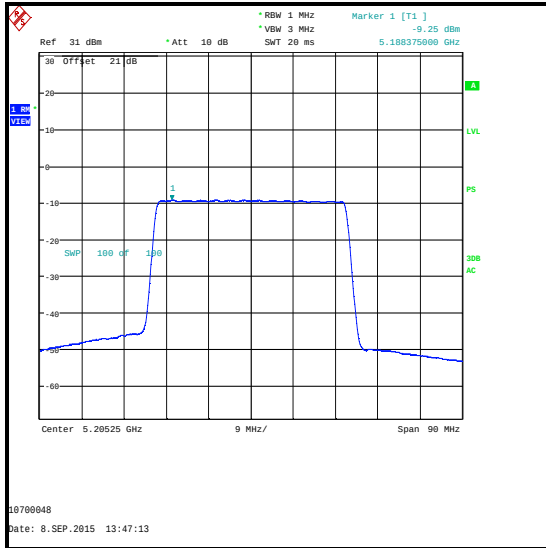
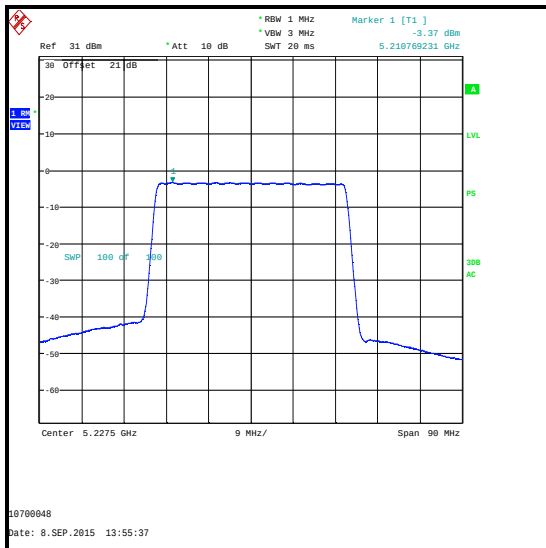
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Sectorised Antenna / 45 MHz Channel / AQU****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Sectorised Antenna / 45 MHz Channel / BPSK**

Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-11.0	-9.2	-7.0	6.9	13.9	Complied
Middle	-4.8	-3.4	-1.0	6.9	7.9	Complied
Top	-4.8	-3.4	-1.0	6.9	7.9	Complied

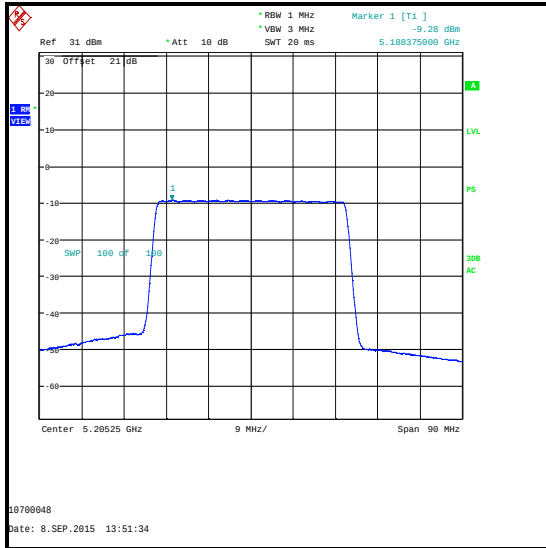
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Sectorised Antenna / 45 MHz Channel / BPSK****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Sectorised Antenna / 45 MHz Channel / 256QAM**

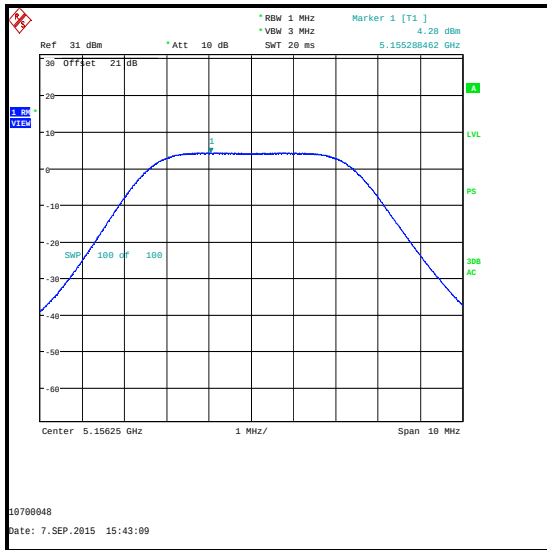
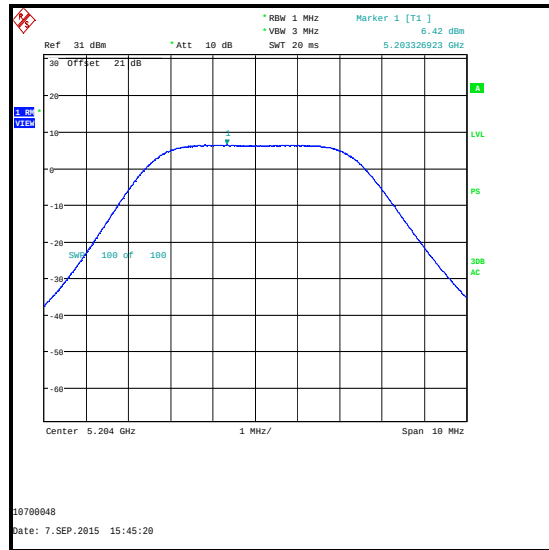
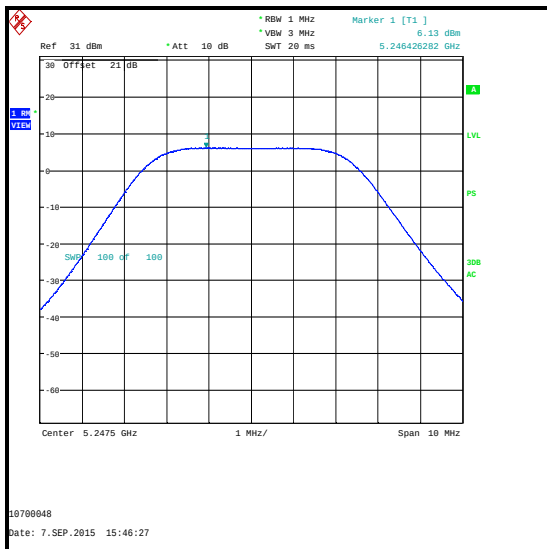
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-11.0	-9.3	-7.1	6.9	14.0	Complied
Middle	-4.7	-3.4	-1.0	6.9	7.9	Complied
Top	-4.5	-3.3	-0.8	6.9	7.7	Complied

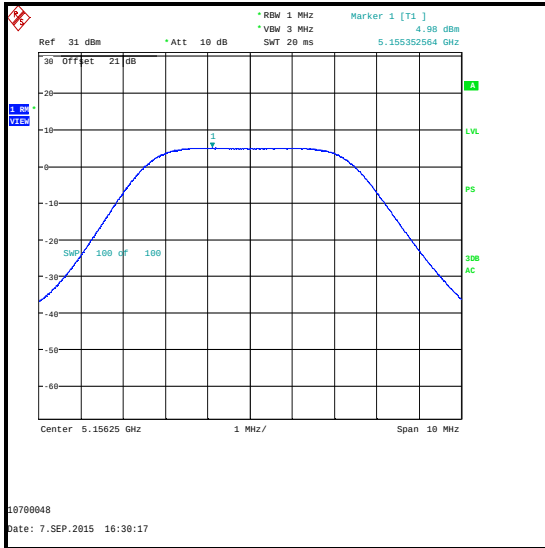
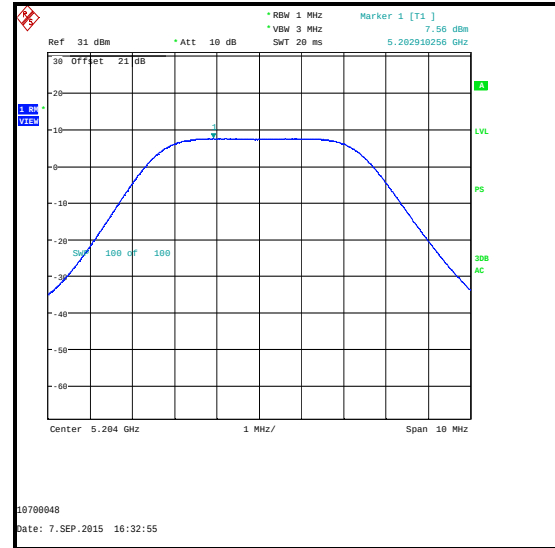
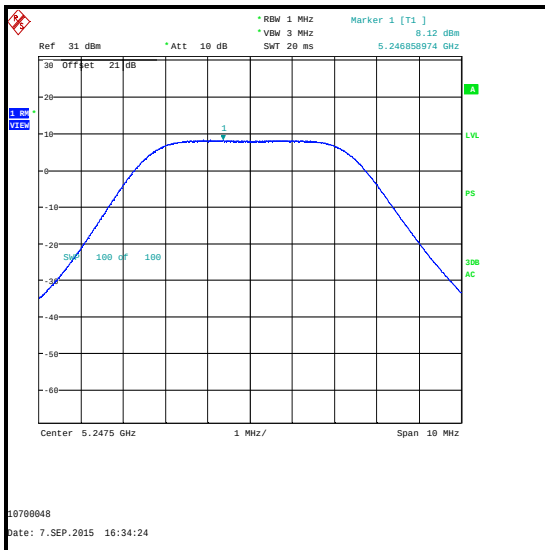
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Sectorised Antenna / 45 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / BPSK**

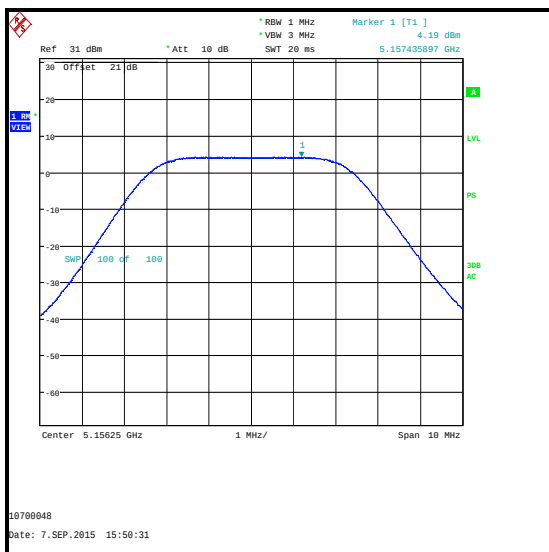
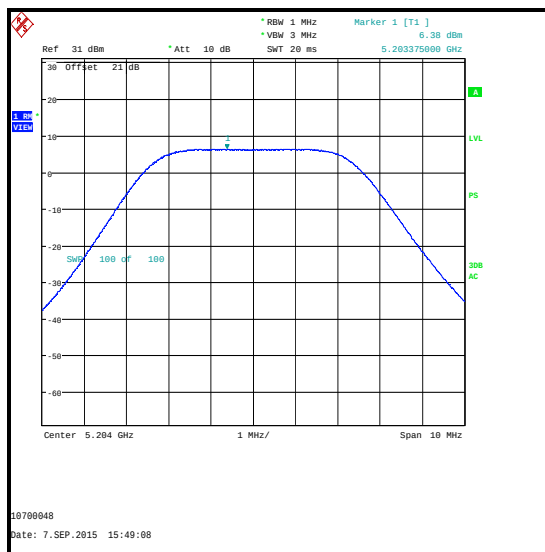
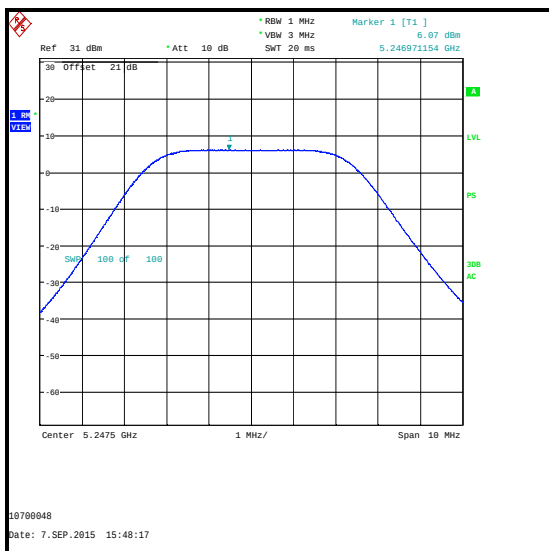
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	4.3	5.0	7.7	10.9	3.2	Complied
Middle	6.4	7.6	10.1	10.9	0.8	Complied
Top	6.1	8.1	10.2	10.9	0.7	Complied

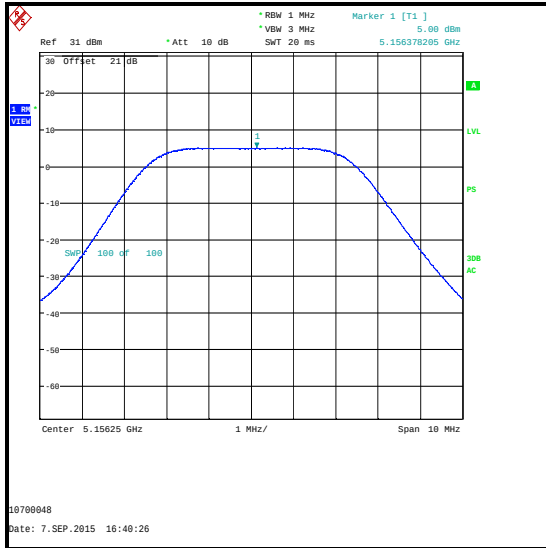
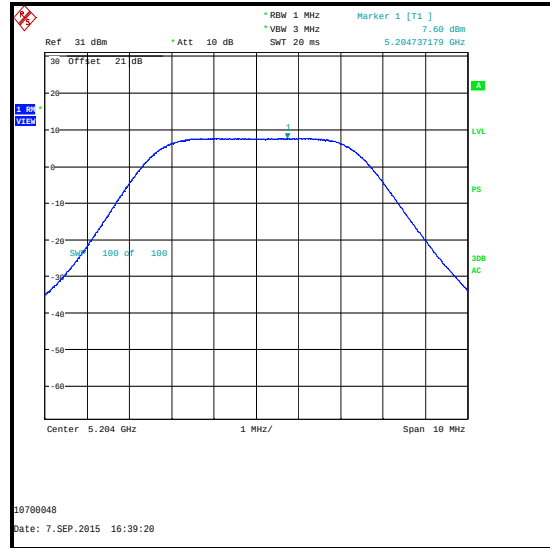
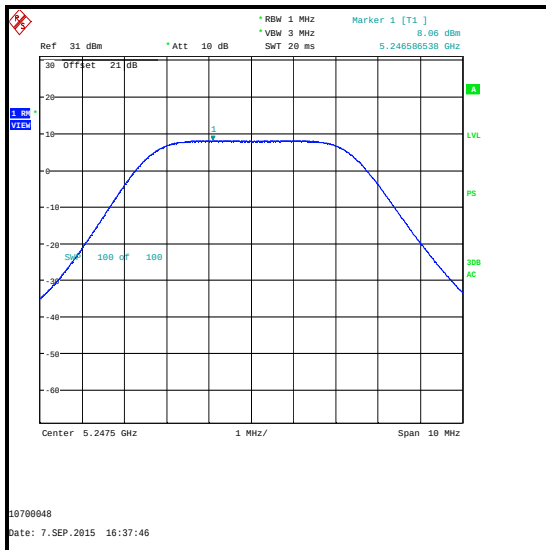
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / BPSK****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / 256QAM**

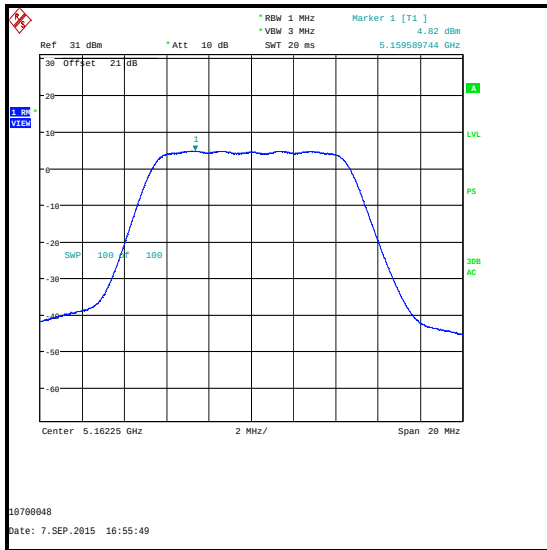
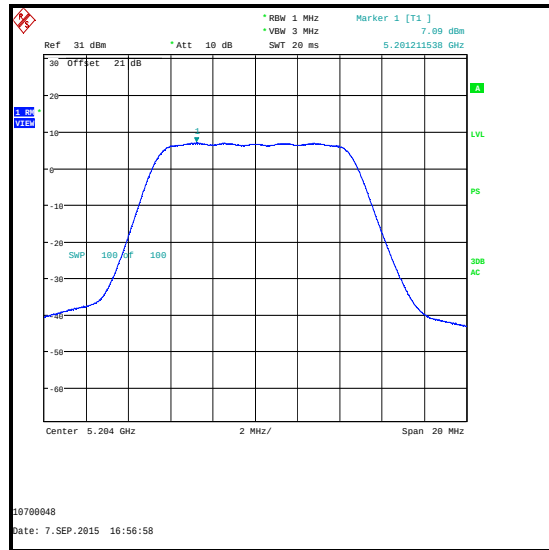
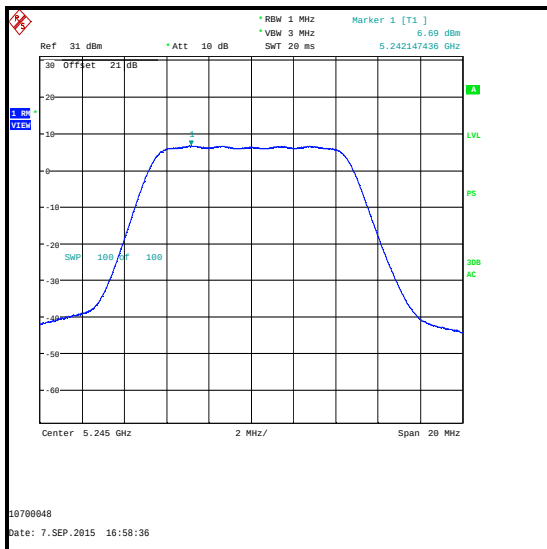
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	4.2	5.0	7.6	10.9	3.3	Complied
Middle	6.4	7.6	10.1	10.9	0.8	Complied
Top	6.1	8.1	10.2	10.9	0.7	Complied

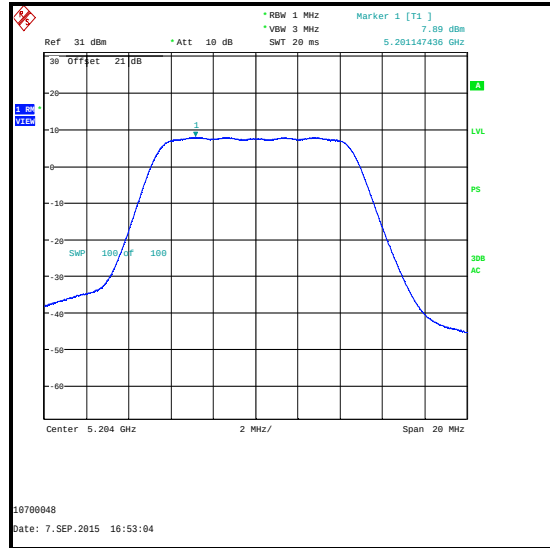
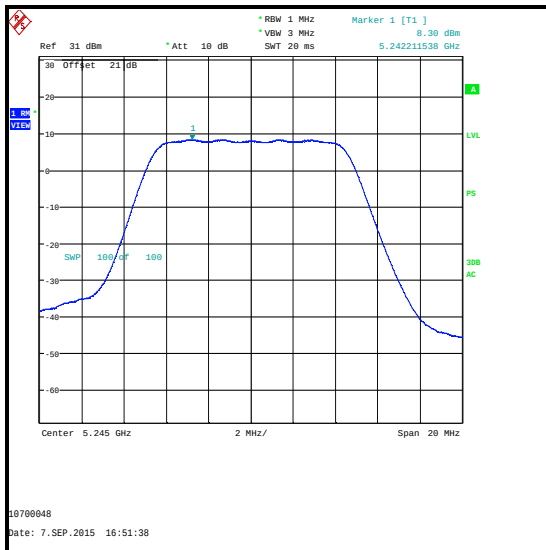
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / BPSK**

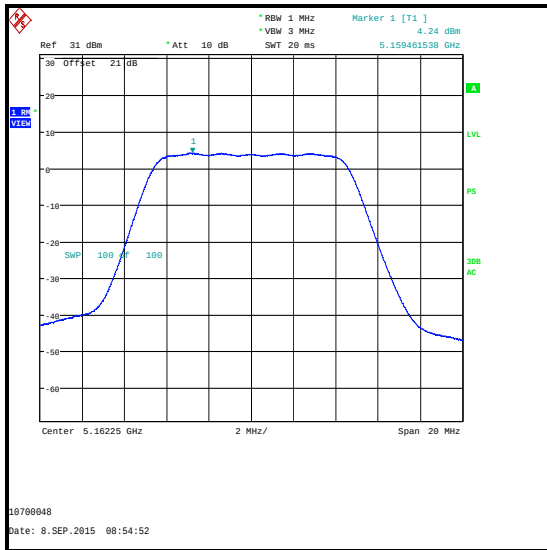
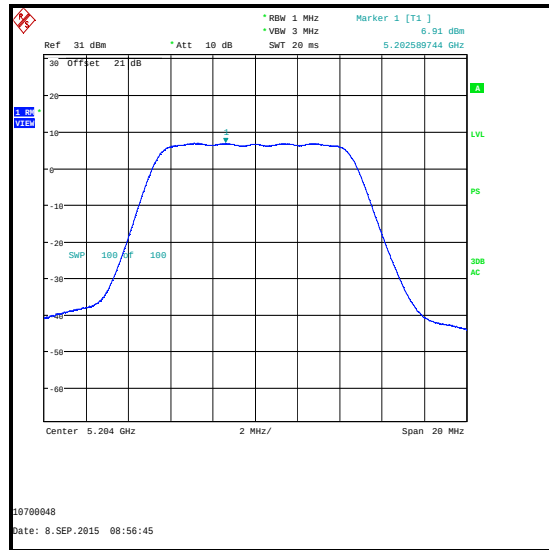
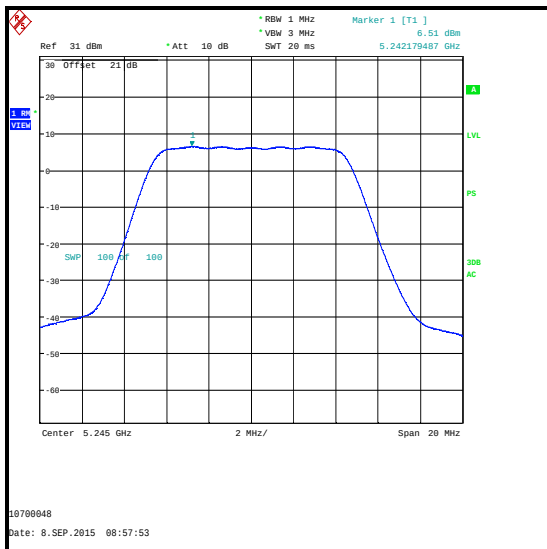
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	4.8	5.3	8.1	10.9	2.8	Complied
Middle	7.1	7.9	10.5	10.9	0.4	Complied
Top	6.7	8.3	10.6	10.9	0.3	Complied

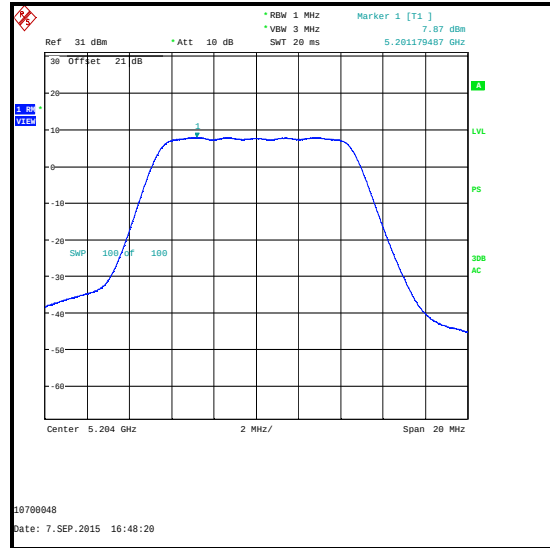
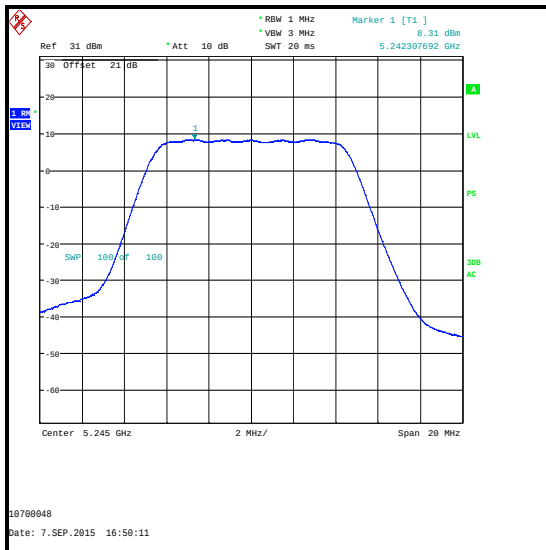
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / BPSK****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / 256QAM**

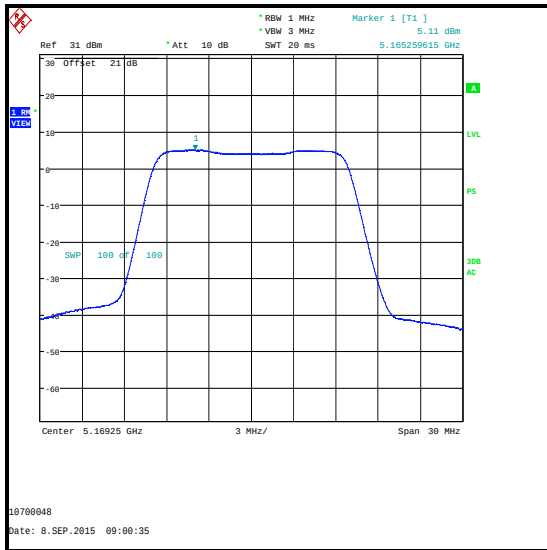
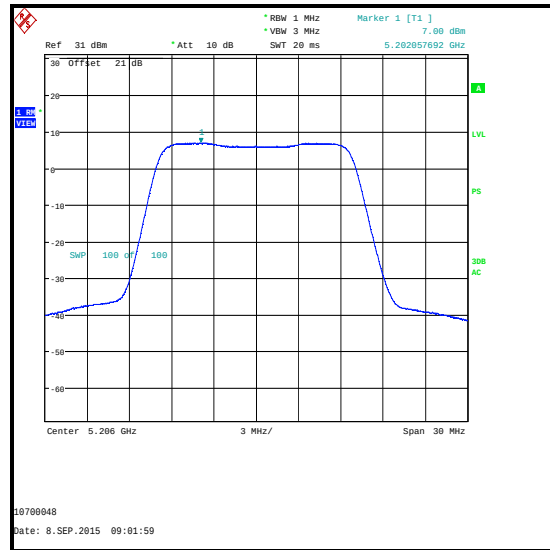
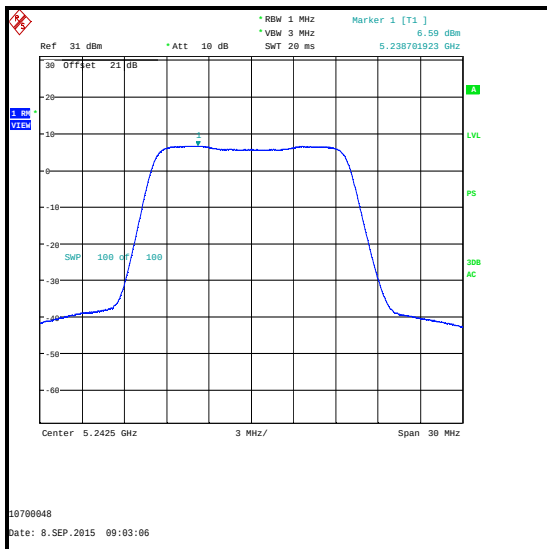
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	4.2	5.3	7.8	10.9	3.1	Complied
Middle	6.9	7.9	10.4	10.9	0.5	Complied
Top	6.5	8.3	10.5	10.9	0.4	Complied

H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / BPSK**

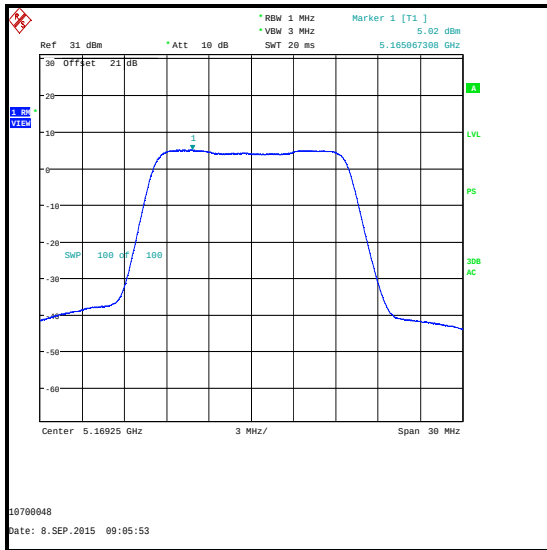
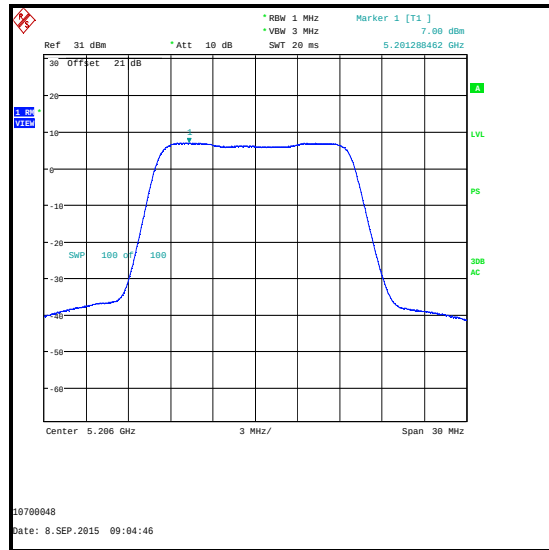
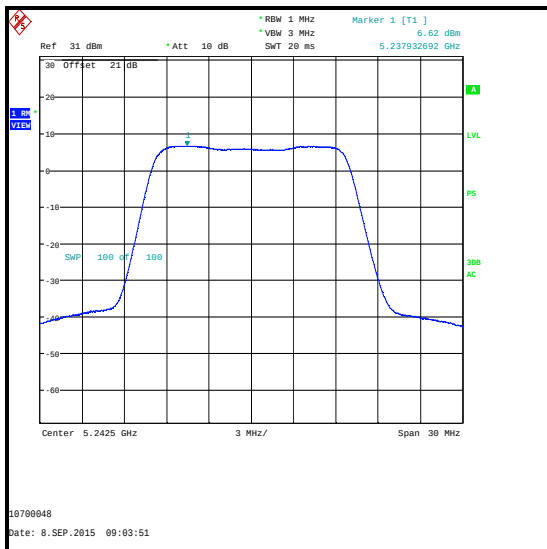
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	5.1	5.3	8.2	10.9	2.7	Complied
Middle	7.0	7.7	10.4	10.9	0.5	Complied
Top	6.6	8.2	10.5	10.9	0.4	Complied

H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / BPSK****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / 256QAM**

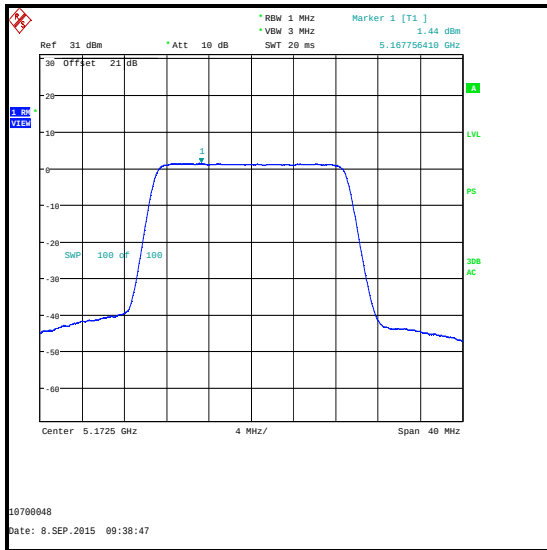
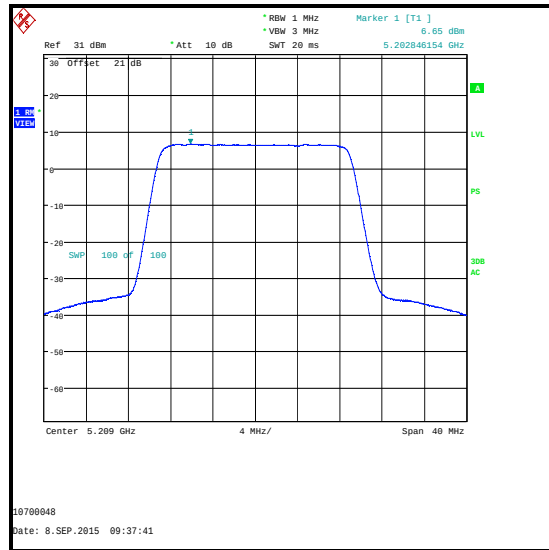
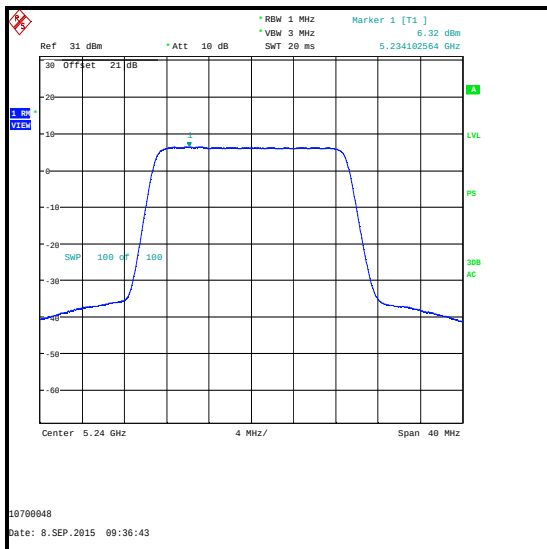
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	5.0	5.3	8.2	10.9	2.7	Complied
Middle	7.0	7.7	10.4	10.9	0.5	Complied
Top	6.6	8.1	10.4	10.9	0.5	Complied

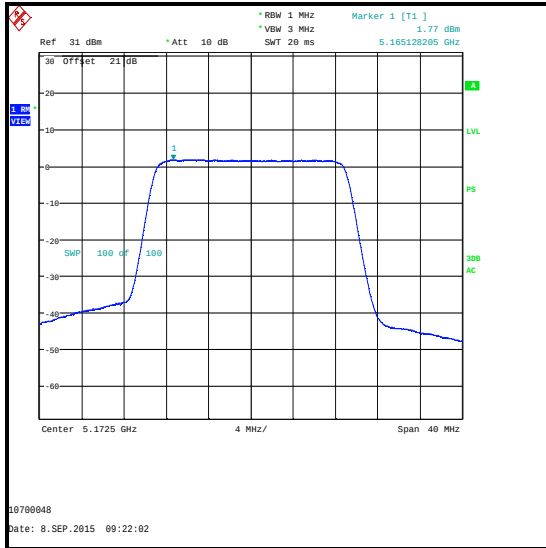
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / BPSK**

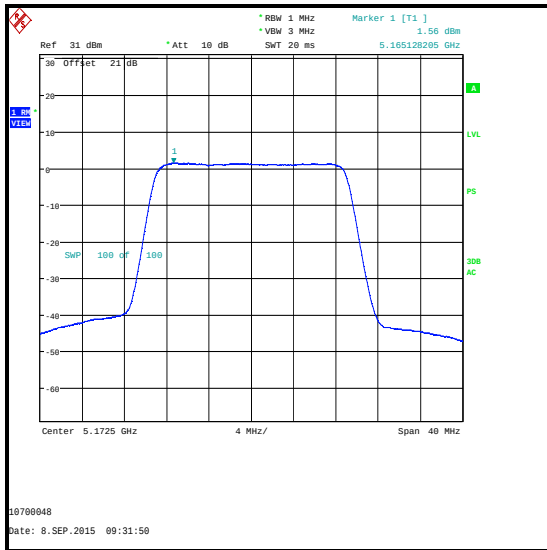
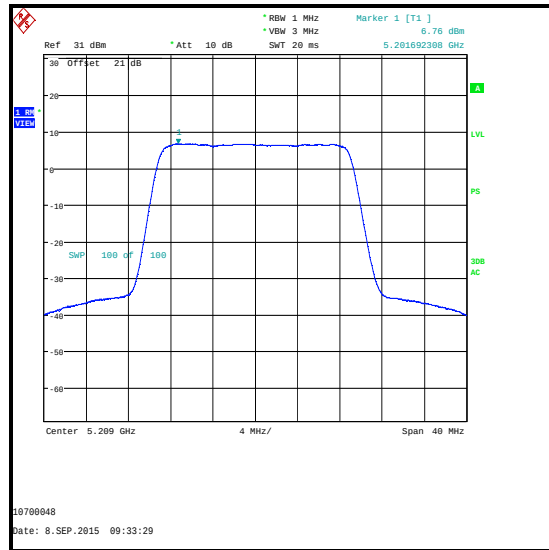
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	1.4	1.8	4.6	10.9	6.3	Complied
Middle	6.7	7.5	10.1	10.9	0.8	Complied
Top	6.3	7.8	10.1	10.9	0.8	Complied

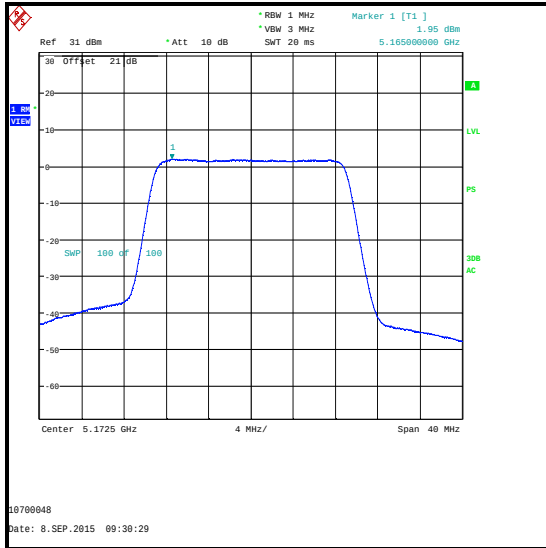
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / BPSK****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / 256QAM**

Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	1.6	2.0	4.8	10.9	6.1	Complied
Middle	6.8	7.5	10.2	10.9	0.7	Complied
Top	6.4	7.9	10.2	10.9	0.7	Complied

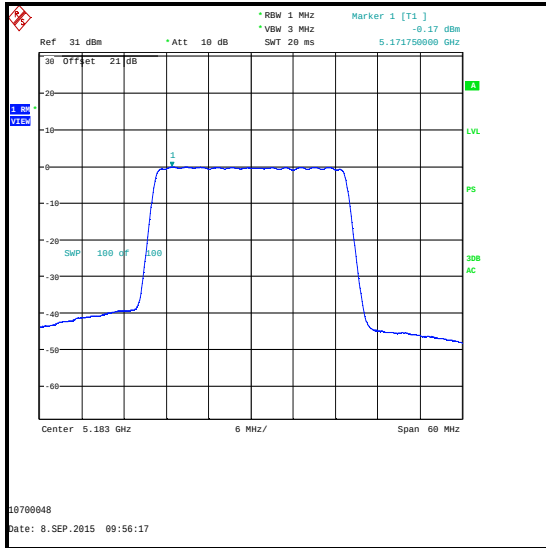
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / BPSK**

Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-1.1	-0.2	2.4	10.9	8.5	Complied
Middle	5.0	5.8	8.4	10.9	2.5	Complied
Top	5.0	5.8	8.4	10.9	2.5	Complied

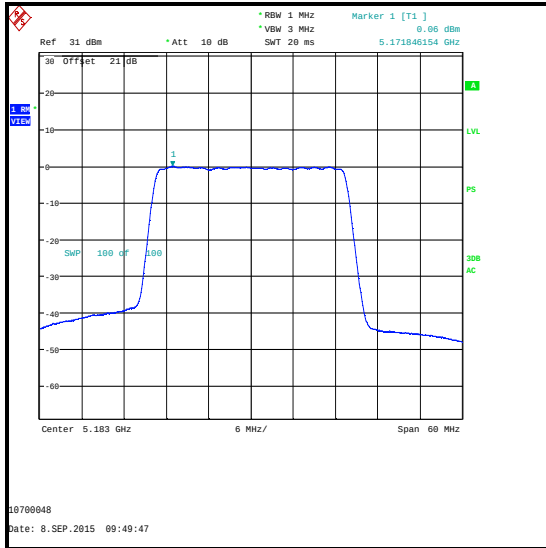
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / BPSK****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / 256QAM**

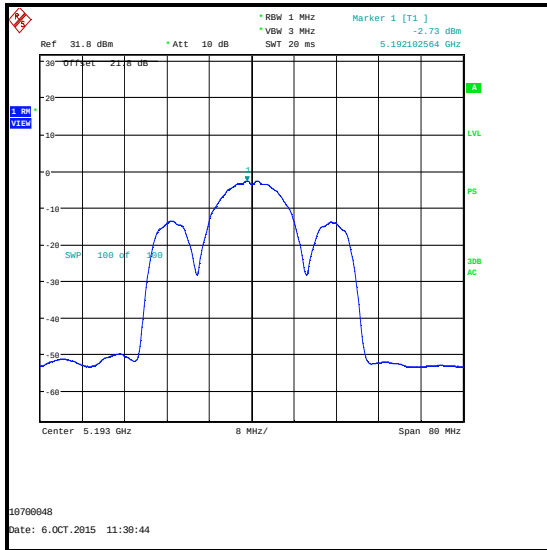
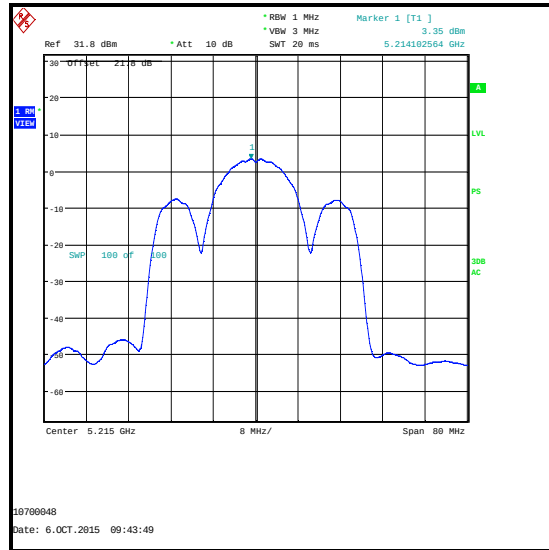
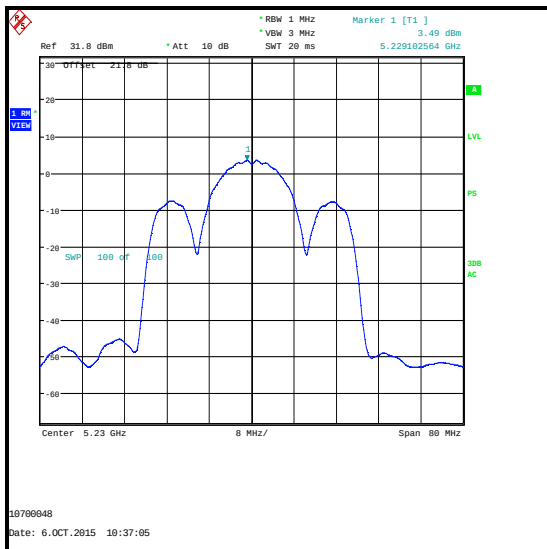
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-0.9	0.1	2.6	10.9	8.3	Complied
Middle	5.2	5.9	8.6	10.9	2.3	Complied
Top	5.2	6.0	8.6	10.9	2.3	Complied

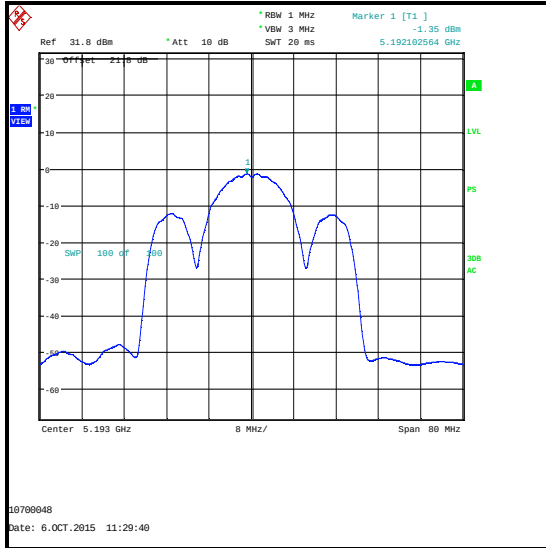
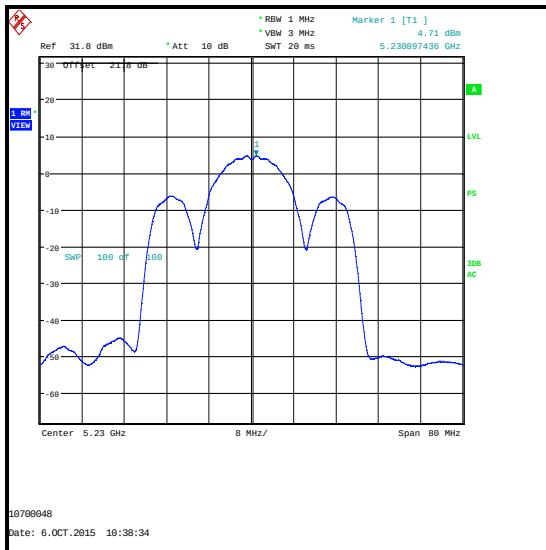
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / AQU**

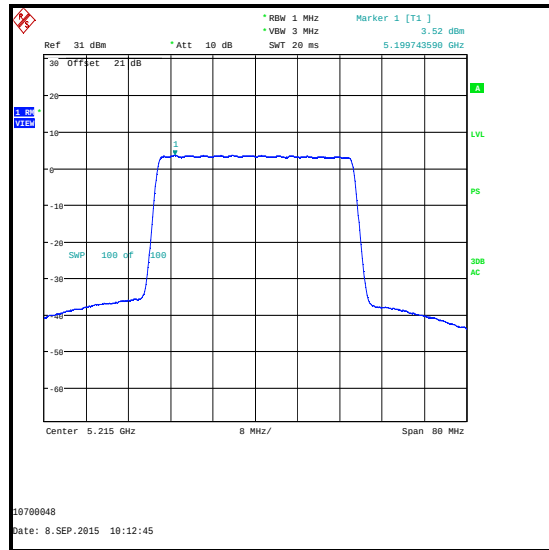
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-2.7	-1.3	1.1	10.9	9.8	Complied
Middle	3.4	4.6	7.1	10.9	3.8	Complied
Top	3.5	4.7	7.2	10.9	3.7	Complied

H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / AQU****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / BPSK**

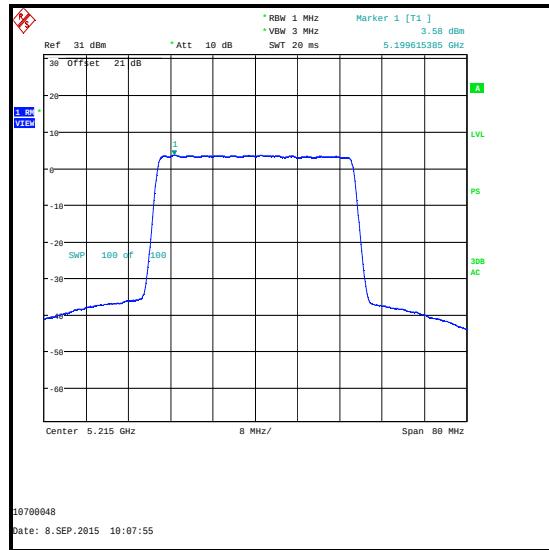
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-2.6	-1.6	0.9	10.9	10.0	Complied
Middle	3.5	4.3	6.9	10.9	4.0	Complied
Top	3.6	4.4	7.0	10.9	3.9	Complied

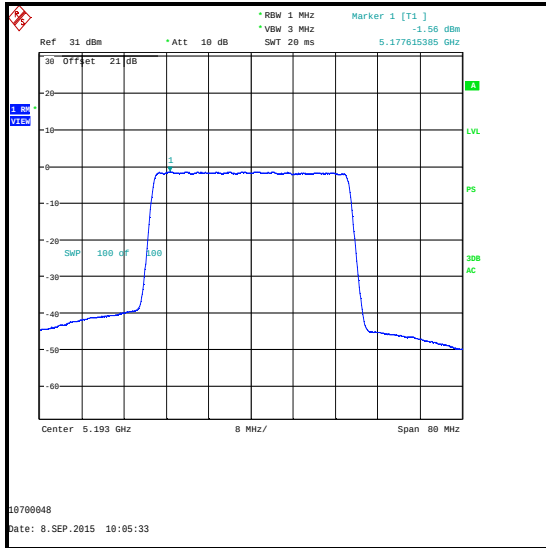
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / BPSK****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / 256QAM**

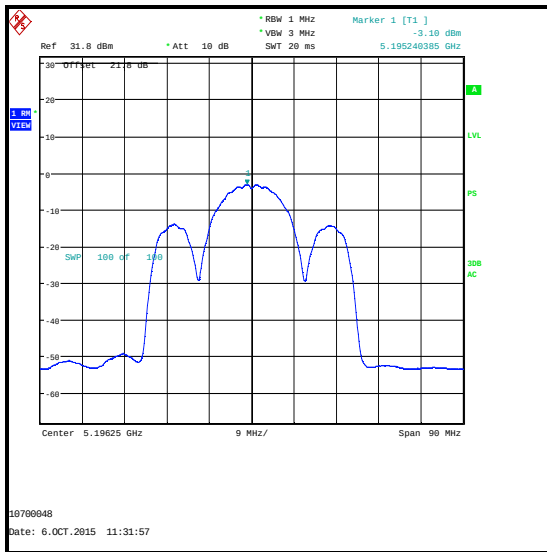
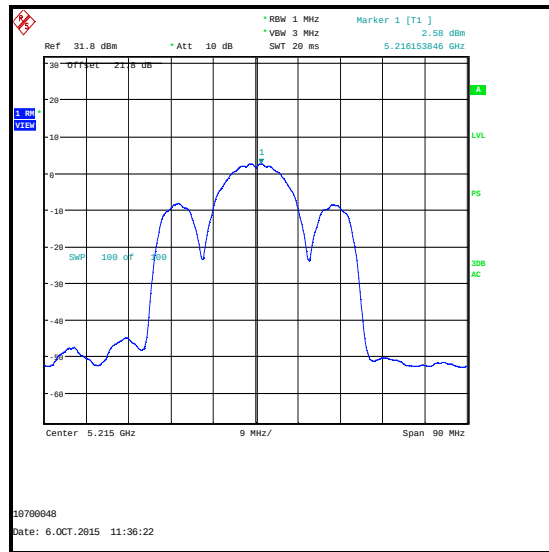
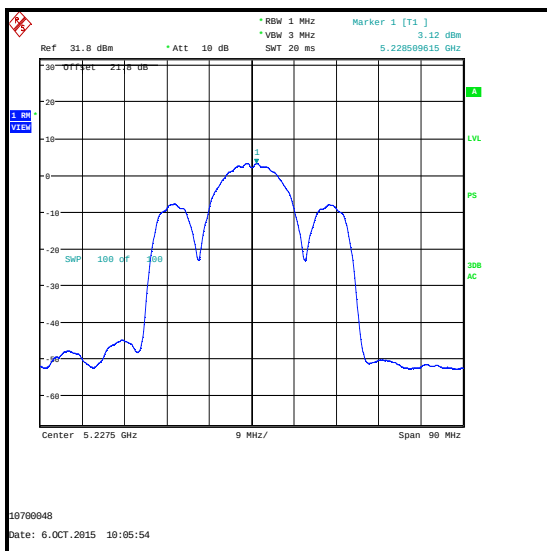
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-2.5	-1.6	1.0	10.9	9.9	Complied
Middle	3.6	4.4	7.0	10.9	3.9	Complied
Top	3.6	4.4	7.0	10.9	3.9	Complied

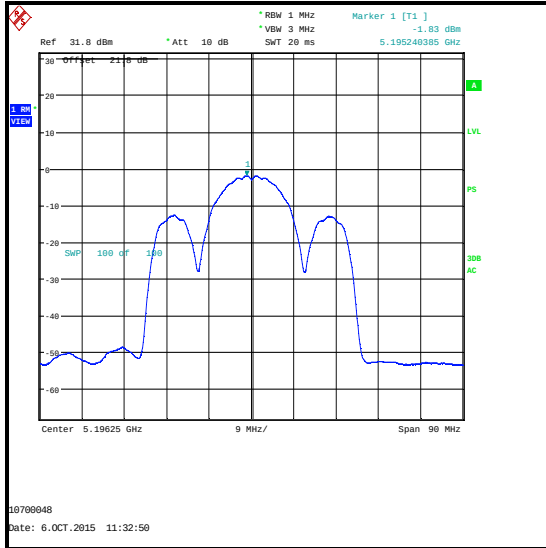
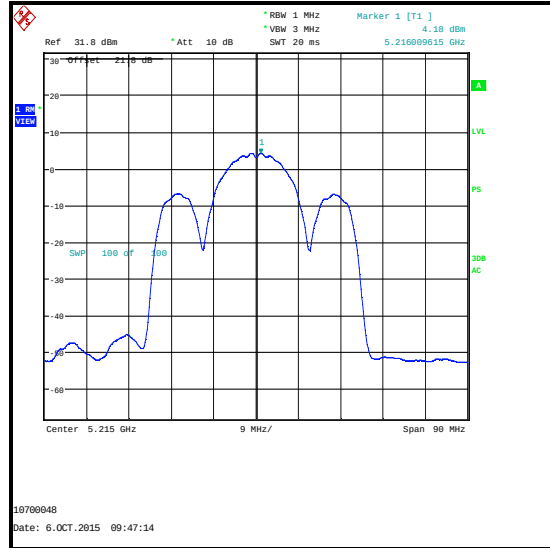
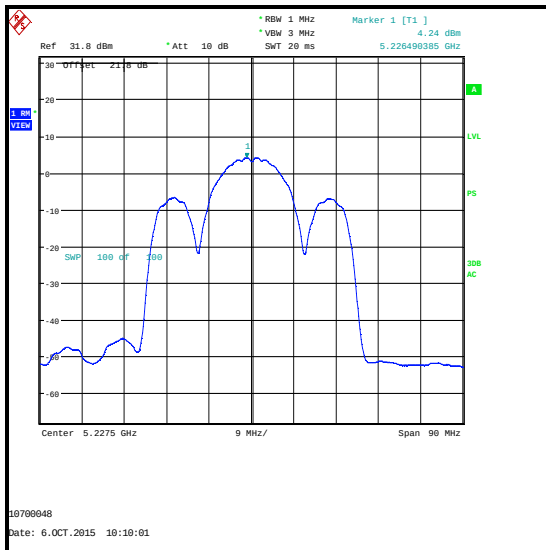
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / AQU**

Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-3.1	-1.8	0.6	10.9	10.3	Complied
Middle	2.6	4.2	6.5	10.9	4.4	Complied
Top	3.1	4.2	6.7	10.9	4.2	Complied

H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / AQU****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / BPSK**

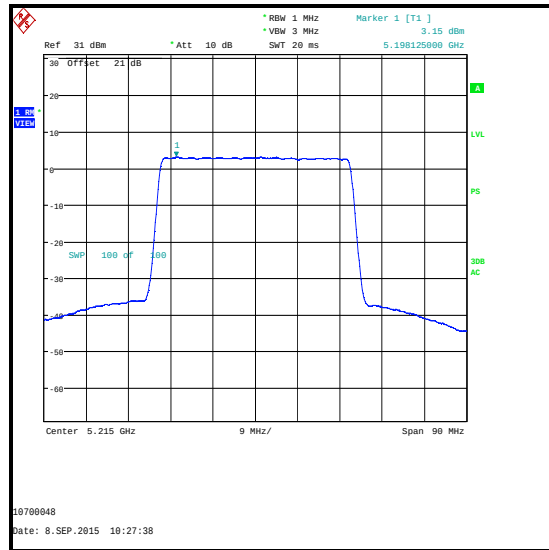
Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-3.0	-2.0	0.5	10.9	10.4	Complied
Middle	3.1	4.0	6.6	10.9	4.3	Complied
Top	3.1	4.0	6.6	10.9	4.3	Complied

H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / BPSK****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / 256QAM**

Channel	PSD H Port (dBm/MHz)	PSD V Port (dBm/MHz)	PSD Power (dBm/MHz)	PSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-2.9	-1.9	0.6	10.9	10.3	Complied
Middle	3.2	4.0	6.6	10.9	4.3	Complied
Top	3.2	4.0	6.6	10.9	4.3	Complied

H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Maximum Power Spectral Density (5.15-5.25 GHz Band) (continued)**Test Equipment Used:**

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
A2527	Attenuator	AtlanTecRF	AN18W5-20	832828#2	Calibrated Before Use	N/A
M1886	Test Receiver	Rohde & Schwarz	ESU26	100554	21 May 2016	12
G0608	Signal Generator	Rohde & Schwarz	SMIQ 06B	838341/033	01 Apr 2016	12
M1785	Thermohygrometer	JM Handelspunkt	30.5015.13	None stated	23 Apr 2016	12

5.2.5. Transmitter Out of Band Radiated Emissions**Test Summary:**

Test Engineer:	Georgios Vrezas	Test Dates:	18 August 2015 & 26 August 2015
Test Sample Serial Number:	0004565800BC		

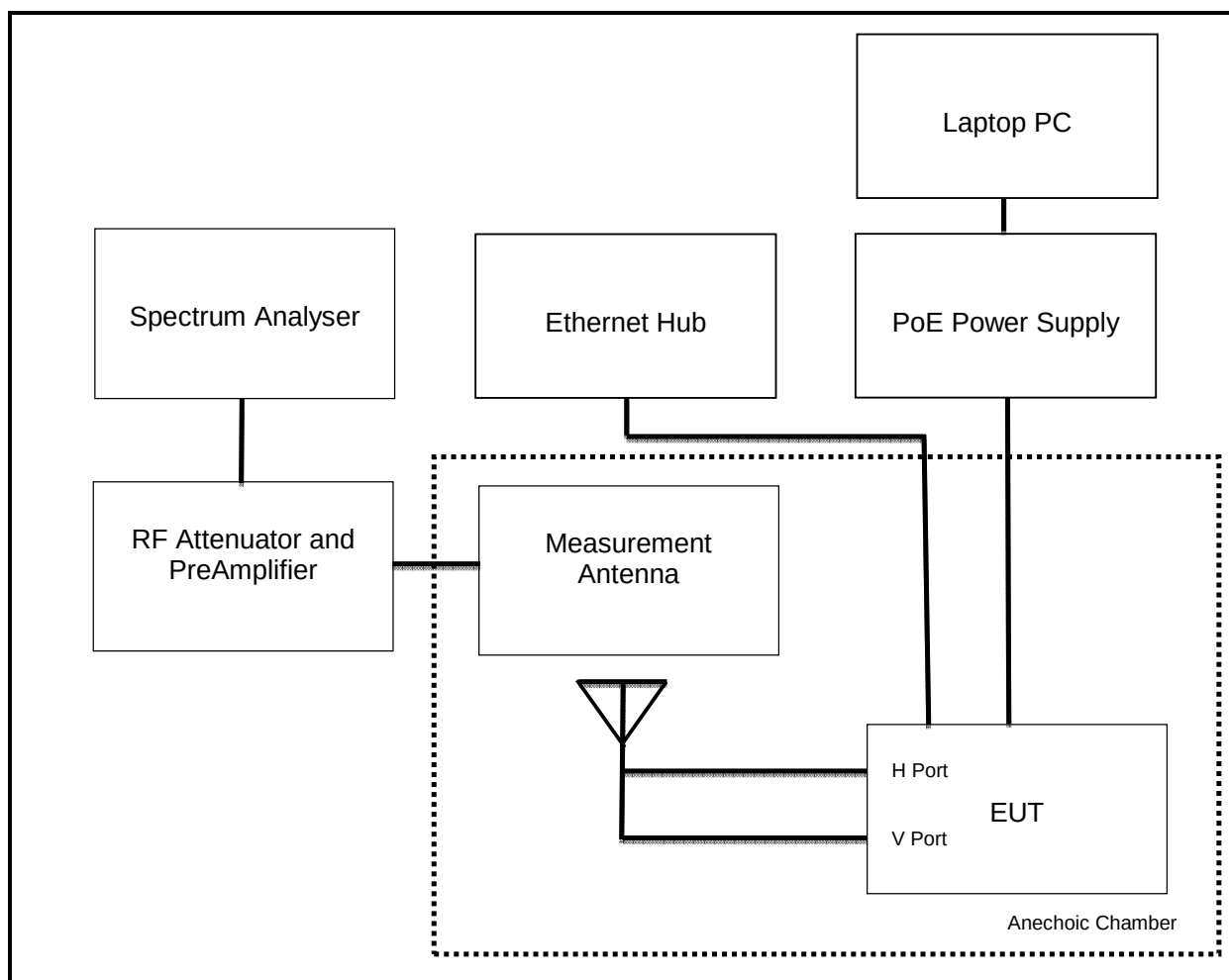
FCC Reference:	Parts 15.407(b)(1) & 15.209(a)
Test Method Used:	FCC KDB 789033 II.G.4, ANSI C63.10 Sections 6.3 & 6.5 and Notes below
Frequency Range:	30 MHz to 1000 MHz

Environmental Conditions:

Temperature (°C):	21 to 23
Relative Humidity (%):	35 to 40

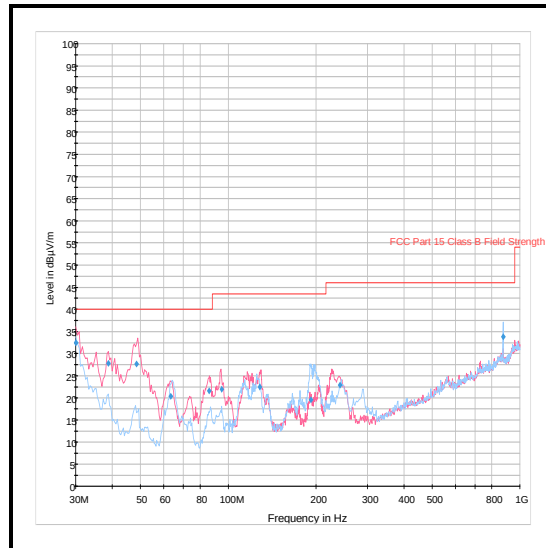
Note(s):

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.
2. Pre-scans with the EUT transmitting on the middle channel of the 5.15-5.25 GHz band were performed in accordance with FCC Part 15.407(b)(1) which states all emissions outside of the 5.15-5.35 GHz band shall not exceed -27 dBm/MHz e.i.r.p. Part 15.407(b)(6) states unwanted emissions below 1 GHz must comply with the general field strength limits set forth in 15.209. Part 15.407(b)(7) states the provisions of 15.205 apply, i.e. restricted bands of operation.
3. The final measured value, for the given emission in the field strength result tables, incorporates the calibrated antenna factor, preamplifier gain, attenuator loss and cable loss.
4. The preliminary scans showed similar emission levels below 1 GHz, for each channel of operation. Therefore final radiated emissions measurements were performed with the EUT set to the middle channel only.
5. Measurements below 1 GHz were performed in a semi-anechoic chamber (Asset Number K0001) at a distance of 3 metres. The EUT was placed in the centre of the chamber turntable. The EUT and antenna were mounted onto a pole in a typical end-user configuration and interconnected using the RF cables supplied by the manufacturer. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.
6. **All emissions shown on the prescan plots were investigated. The highest emission level was compared to the applicable limit to obtain the margin. All other emissions were found to be >20 dB below the applicable limit or ambient and therefore not recorded.**

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

Transmitter Radiated Emissions (continued)**Results: Middle Channel / BPSK / Parabolic Antenna**

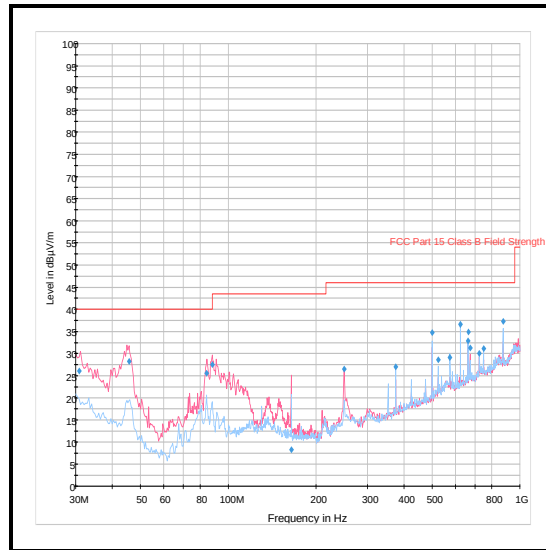
Frequency (MHz)	Antenna Polarity	Quasi-Peak Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
874.978	Horizontal	33.8	46.0	12.2	Complied



Note: This plot is a pre-scan and for indication purposes only. For final measurements, see accompanying table.

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

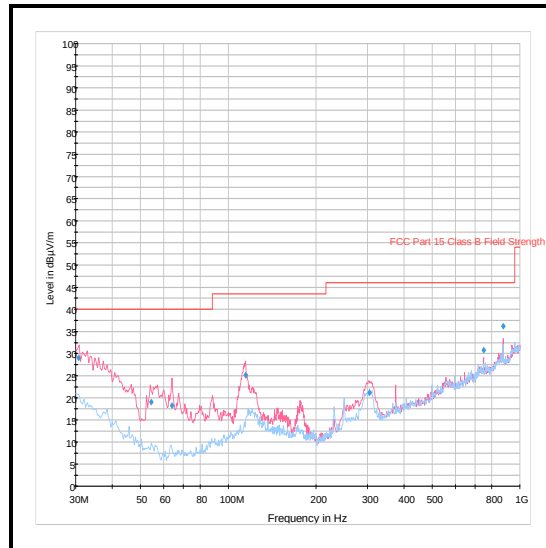
Frequency (MHz)	Antenna Polarity	Quasi-Peak Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
249.977	Vertical	26.5	46.0	19.5	Complied



Note: This plot is a pre-scan and for indication purposes only. For final measurements, see accompanying table.

Transmitter Radiated Emissions (continued)**Results: Middle Channel / BPSK / Sectorised Antenna**

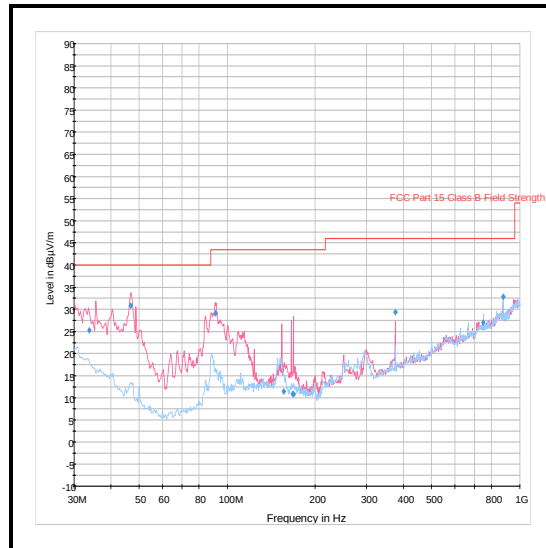
Frequency (MHz)	Antenna Polarity	Quasi-Peak Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
114.436	Vertical	25.1	43.5	18.4	Complied



Note: This plot is a pre-scan and for indication purposes only. For final measurements, see accompanying table.

Transmitter Radiated Emissions (continued)**Results: Middle Channel / BPSK / Omnidirectional Antenna**

Frequency (MHz)	Antenna Polarity	Quasi-Peak Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
874.985	Horizontal	32.9	46.0	13.1	Complied



Note: This plot is a pre-scan and for indication purposes only. For final measurements, see accompanying table.

Transmitter Out of Band Radiated Emissions**Test Summary:**

Test Engineer:	Georgios Vrezas	Test Dates:	18 September 2015 to 01 October 2015
Test Sample Serial Number:	F50980BB016F		

FCC Reference:	Part 15.407(b)(1) & 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 24
Relative Humidity (%):	40 to 44

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.
2. Pre-scans with the EUT transmitting on the middle channel were performed according to FCC Part 15.407(b)(3) which states all emissions outside of the band will not exceed -27 dBm/MHz. Part 15.407(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 a 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 incorporate the calibrated antenna factor and cable loss.
5. The final measured value, for the given emission, incorporates the calibrated antenna factor, preamplifier gain, attenuator loss and cable loss.
6. Where the highest levels of emissions or noise floor occurred in a restricted band, the maximum 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 converted to a field strength limit of 68.2 dBµV/m at 3 metres.
7. In accordance with KDB 789033 Section II.G.1.c), if the peak measurement satisfies the average limit, an average measurement is not required.
8. All other emissions shown on the pre-scan plots were investigated and found to be below the measurement system noise floor or ambient.
9. 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 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 5.15-5.25 GHz Band (continued)**Results: Bottom Channel / BPSK / Parabolic Antenna**

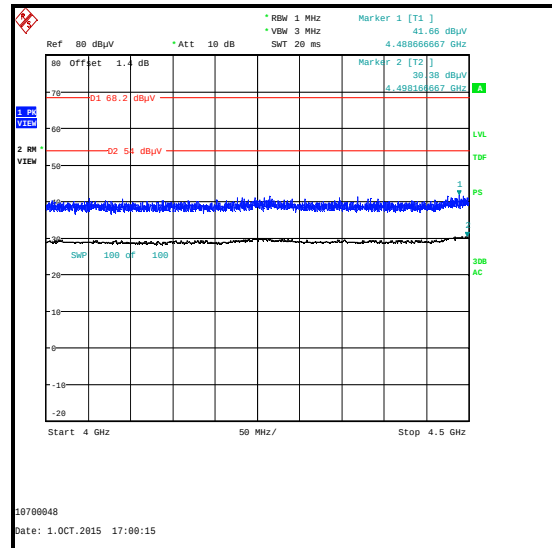
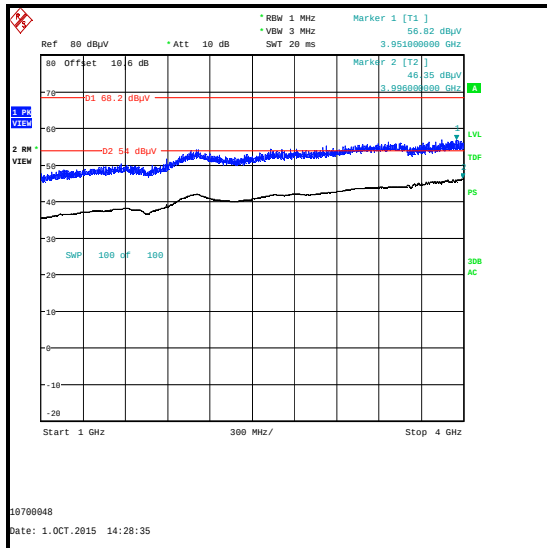
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5597.880	Vertical	-41.4	-27.0	14.4	Complied

Results: Middle Channel / BPSK / Parabolic Antenna

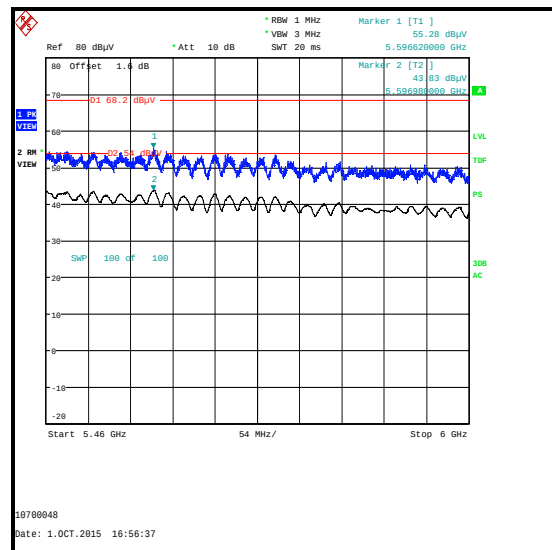
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5596.980	Vertical	-39.9	-27.0	12.9	Complied

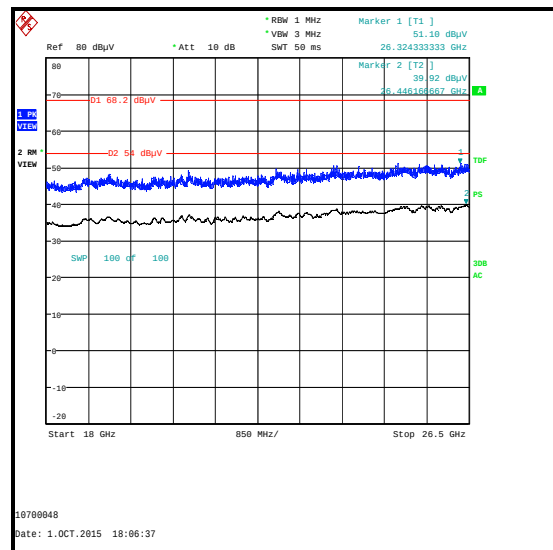
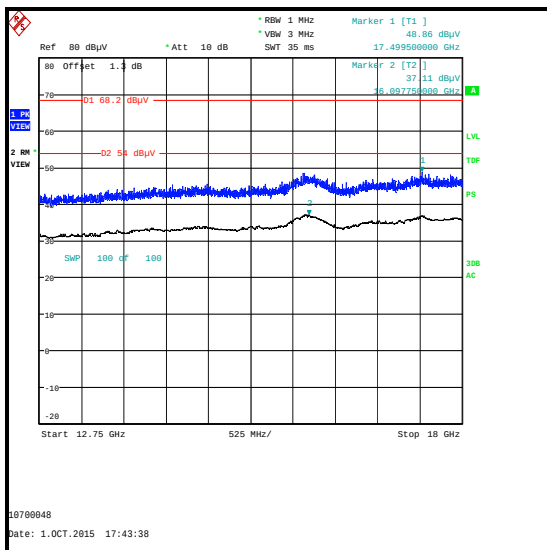
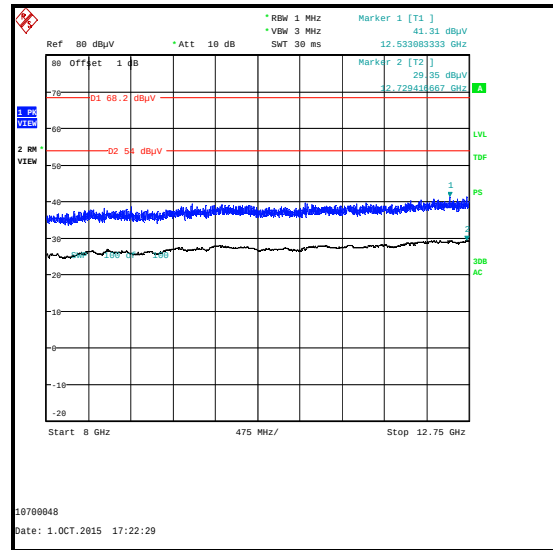
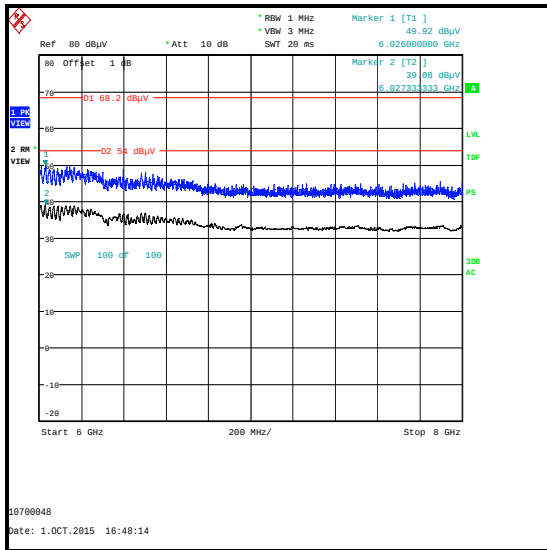
Results: Top Channel / BPSK / Parabolic Antenna

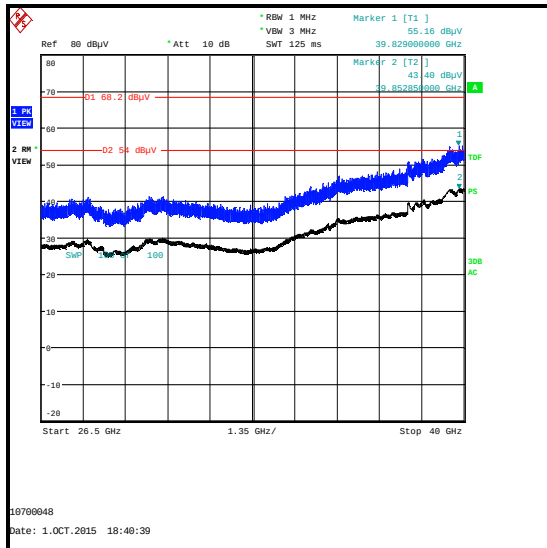
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5597.340	Vertical	-40.0	-27.0	13.0	Complied

Transmitter Out of Band Radiated Emissions 5.15-5.25 GHz Band (continued)**Results: Middle Channel / BPSK / Parabolic Antenna**

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



Transmitter Out of Band Radiated Emissions 5.15-5.25 GHz Band (continued)**Results: Middle Channel / BPSK / Parabolic Antenna**

Transmitter Out of Band Radiated Emissions 5.15-5.25 GHz Band (continued)**Results: Middle Channel / BPSK / 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 5.15-5.25 GHz Band (continued)**Results: Bottom Channel / BPSK / Plate Antenna**

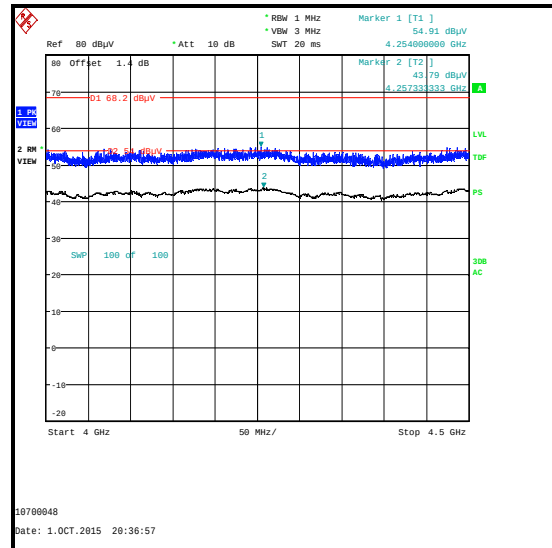
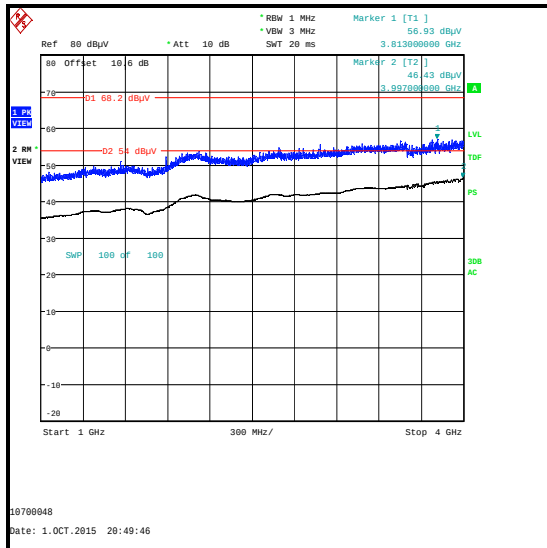
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5528.760	Vertical	-40.2	-27.0	13.2	Complied

Results: Middle Channel / BPSK / Plate Antenna

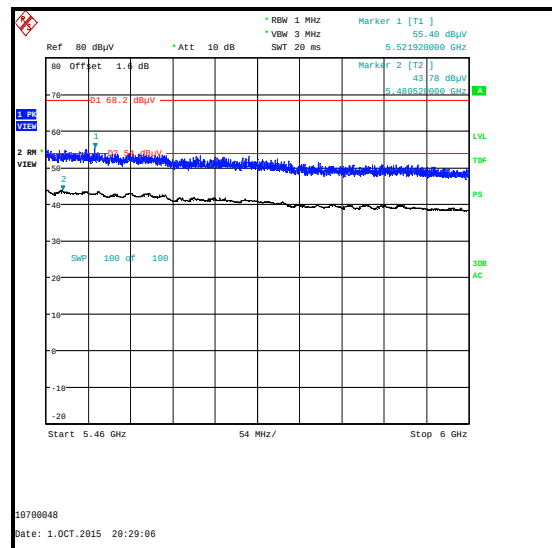
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5521.920	Vertical	-39.8	-27.0	12.8	Complied

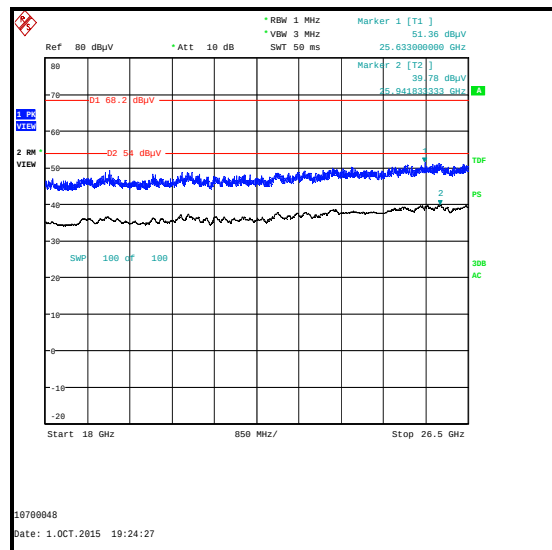
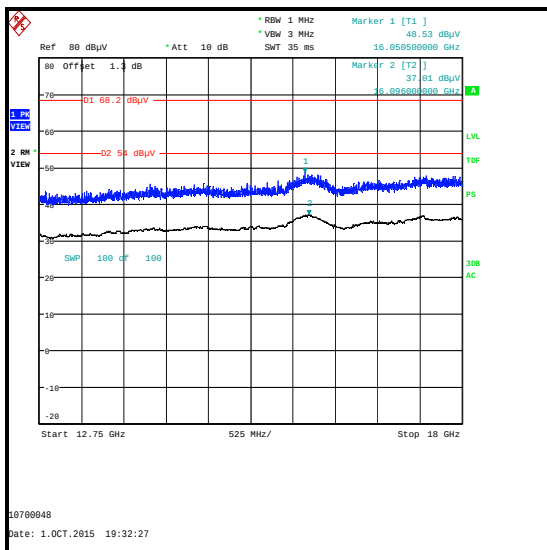
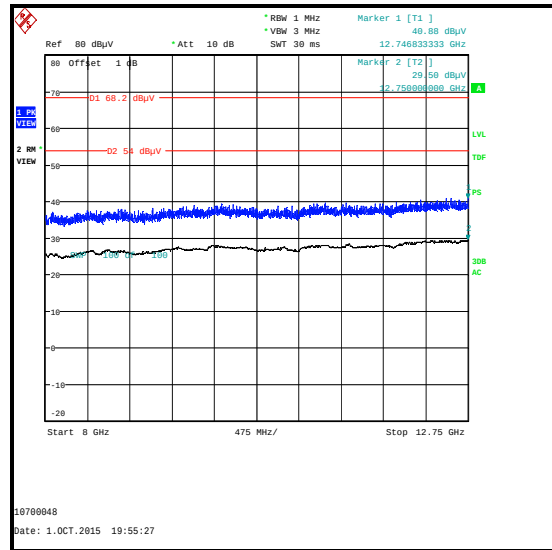
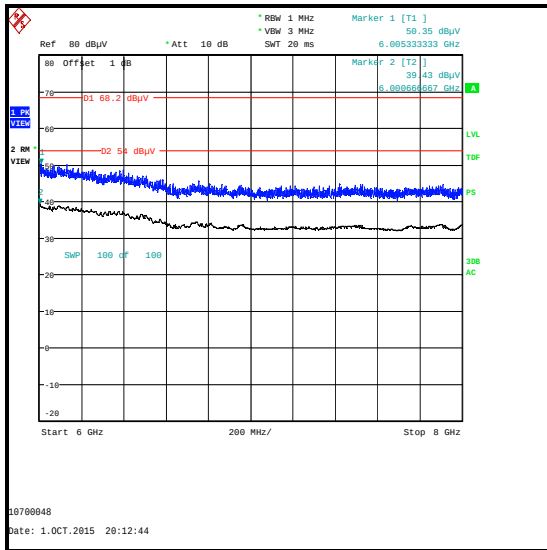
Results: Top Channel / BPSK / Plate Antenna

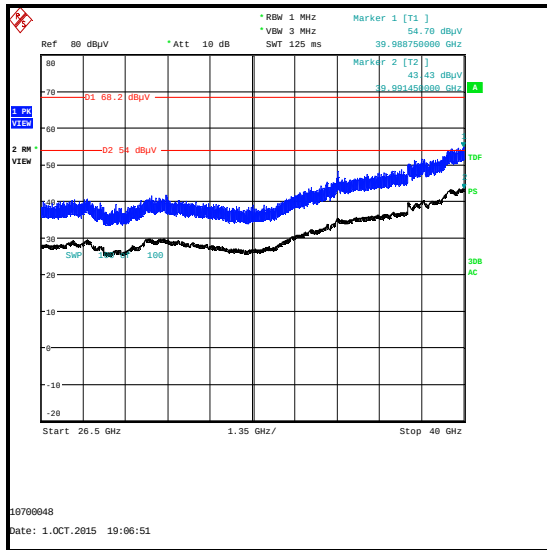
Frequency (MHz)	Antenna Polarity	Peak Level (dBm/MHz)	Peak Limit (dBm/MHz EIRP)	Margin (dB)	Result
5518.860	Vertical	-40.3	-27.0	13.3	Complied

Transmitter Out of Band Radiated Emissions 5.15-5.25 GHz Band (continued)**Results: Middle Channel / BPSK / Plate Antenna**

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



Transmitter Out of Band Radiated Emissions 5.15-5.25 GHz Band (continued)**Results: Middle Channel / BPSK / Plate Antenna**

Transmitter Out of Band Radiated Emissions 5.15-5.25 GHz Band (continued)**Results: Middle Channel / BPSK / Plate Antenna**

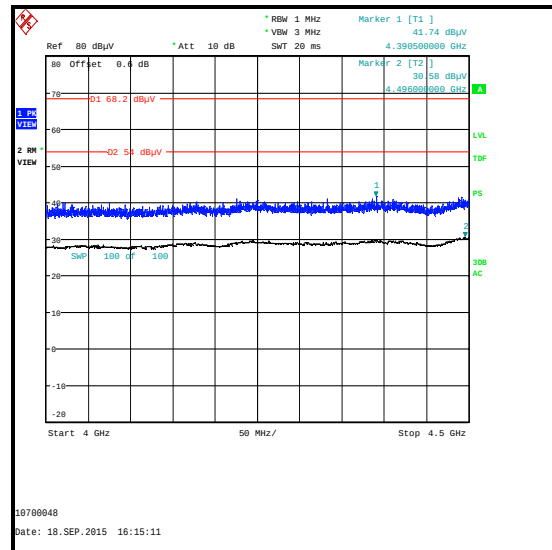
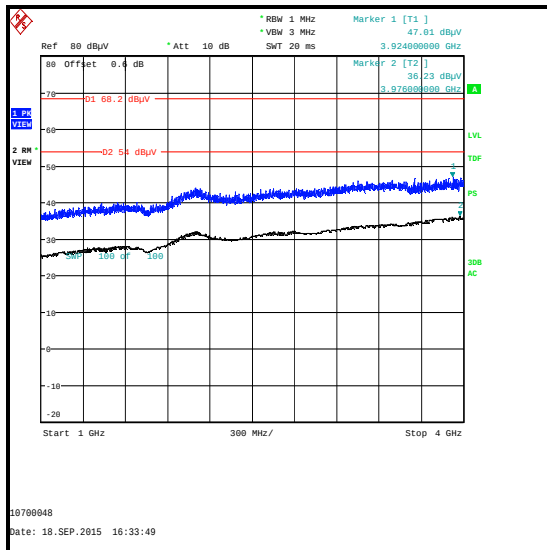
Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Transmitter Out of Band Radiated Emissions 5.15-5.25 GHz Band (continued)**Results: Middle Channel / BPSK / Sectorised Antenna**

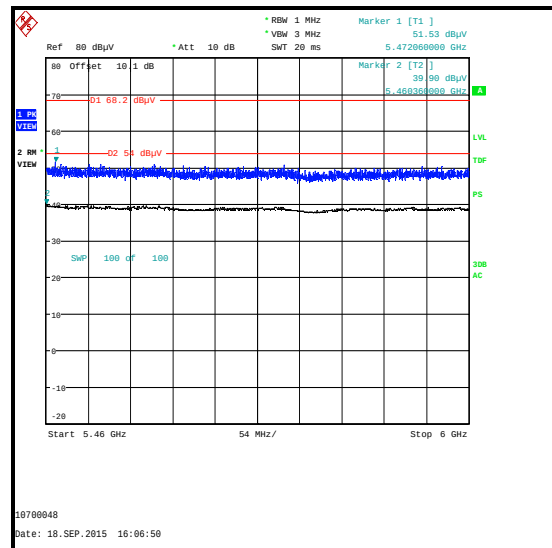
Frequency (MHz)	Antenna Polarity	Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
39989.650	Vertical	54.9	74.0	19.1	Complied

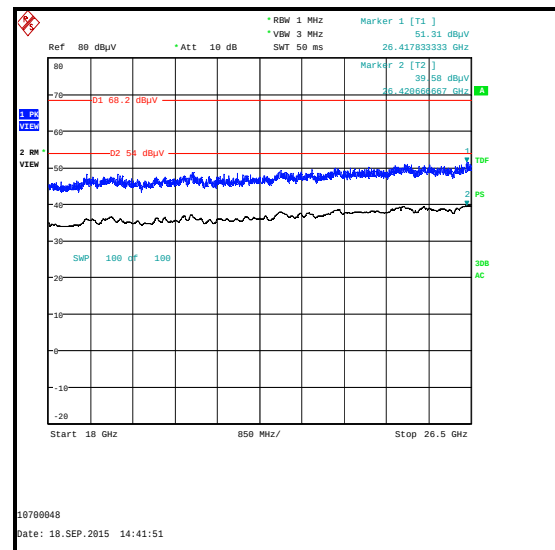
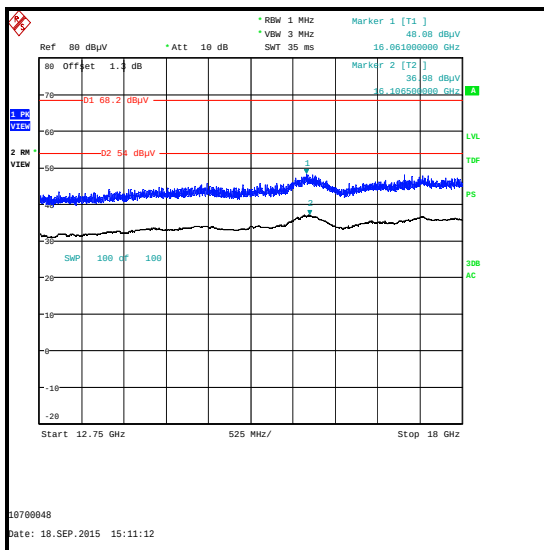
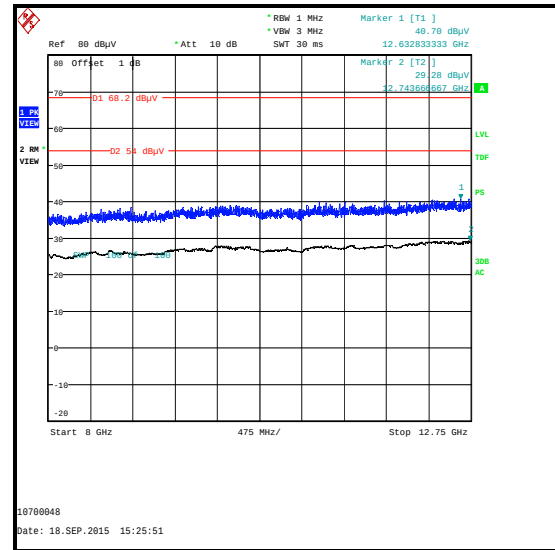
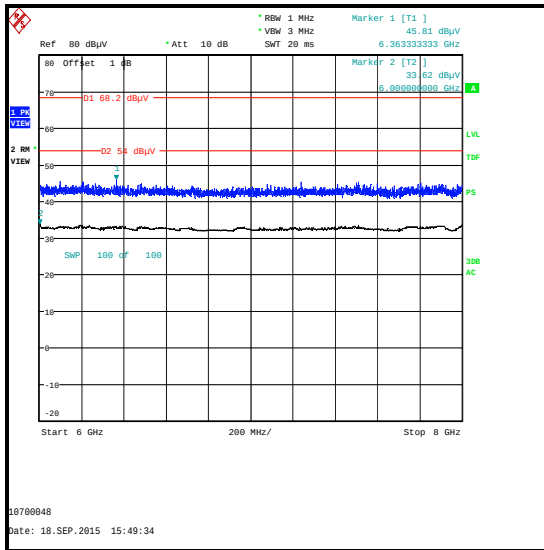
Results: Middle Channel / BPSK / Sectorised Antenna

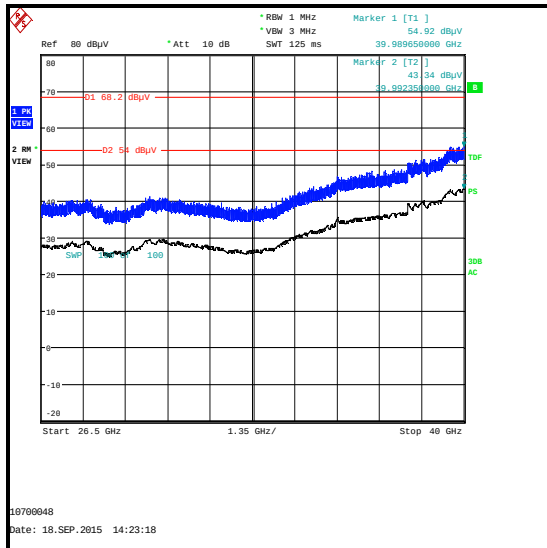
Frequency (MHz)	Antenna Polarity	Average Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
39992.350	Vertical	43.3	54.0	10.7	Complied



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



Transmitter Out of Band Radiated Emissions 5.15-5.25 GHz Band (continued)**Results: Middle Channel / BPSK / Sectorised Antenna**

Transmitter Out of Band Radiated Emissions 5.15-5.25 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.

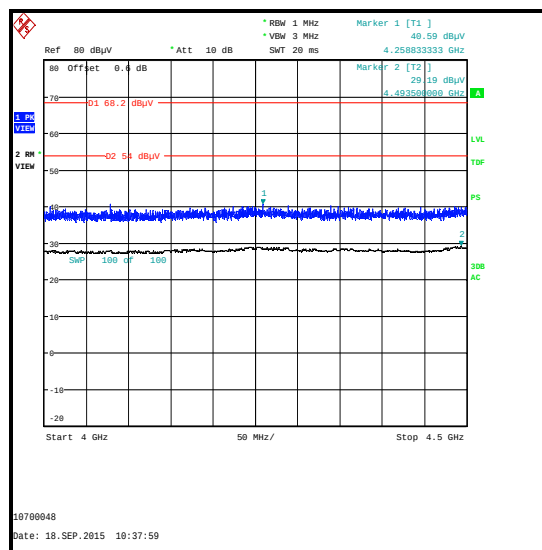
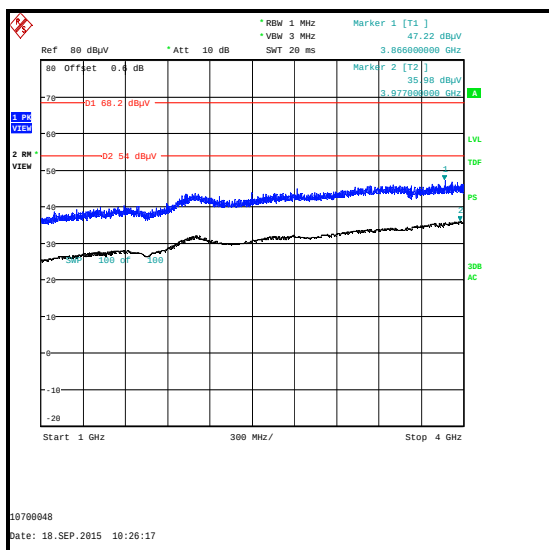
Transmitter Out of Band Radiated Emissions 5.15-5.25 GHz Band (continued)

Results: Middle Channel / BPSK / Omnidirectional Antenna

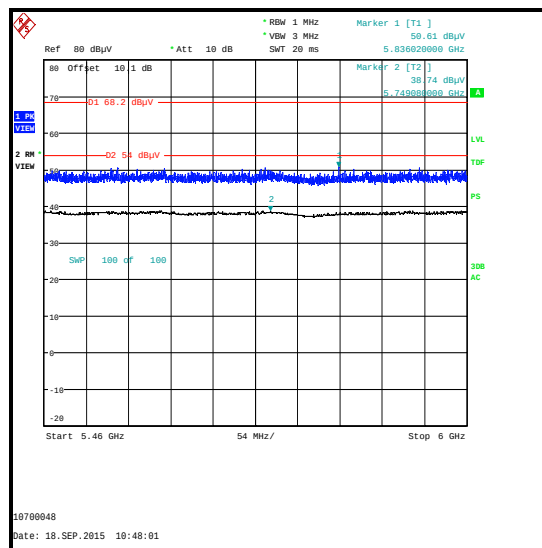
Frequency (MHz)	Antenna Polarity	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
39520.750	Vertical	54.8	74.0	19.2	Complied

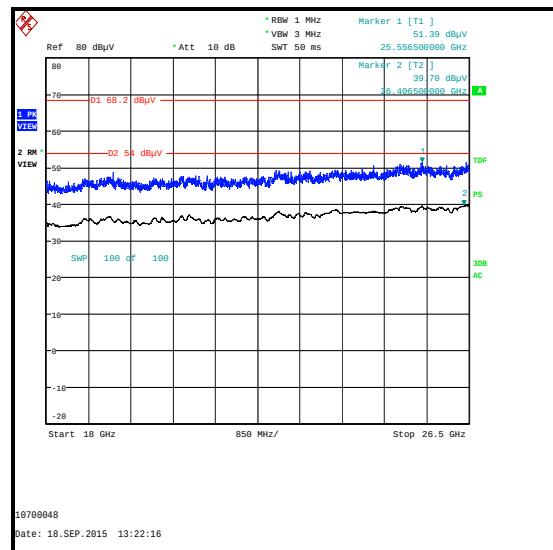
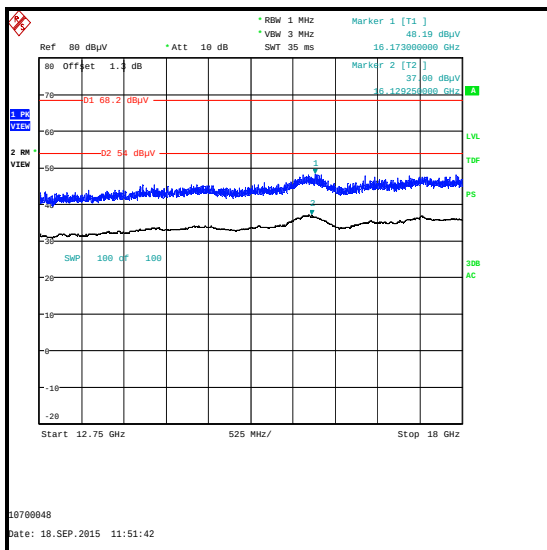
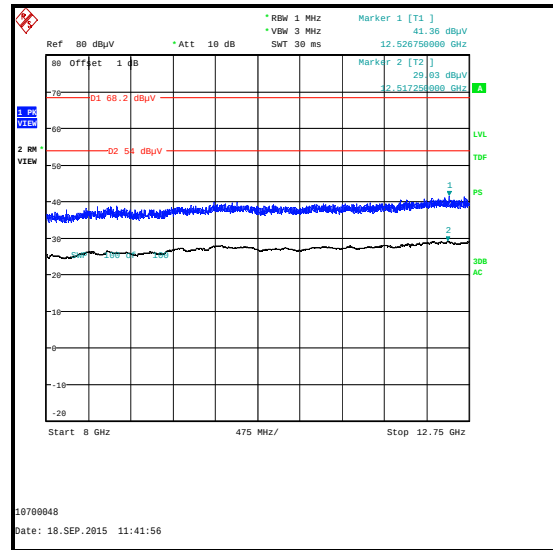
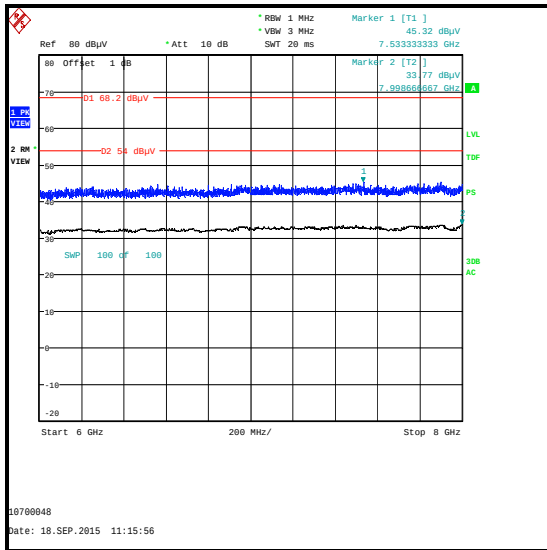
Results: Middle Channel / BPSK / Omnidirectional Antenna

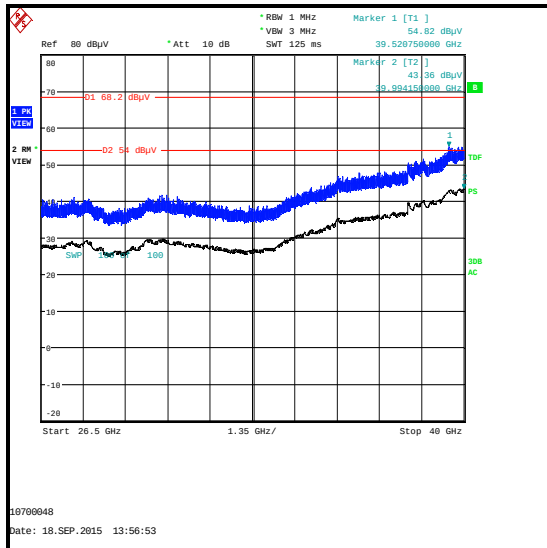
Frequency (MHz)	Antenna Polarity	Average Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
39994.150	Vertical	43.4	54.0	10.6	Complied



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



Transmitter Out of Band Radiated Emissions 5.15-5.25 GHz Band (continued)**Results: Middle Channel / BPSK / Omnidirectional Antenna**

Transmitter Out of Band Radiated Emissions 5.15-5.25 GHz Band (continued)**Results: Middle Channel / BPSK / Omnidirectional Antenna**

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

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
M1379	Test Receiver	Rohde & Schwarz	ESIB7	100330	08 Dec 2015	12
G0543	Pre Amplifier	Sonoma	310N	230801	06 Nov 2015	3
A1534	Pre Amplifier	Hewlett Packard	8449B	3008A00405	21 Dec 2015	12
M1874	Test Receiver	Rohde & Schwarz	ESU	100553	12 Jun 2016	12
A2134	Low Pass Filter	AtlanTecRF	AFL-05000	300195	17 Apr 2016	12
A2471	Band Reject Filter	Wainwright Instruments GmbH	WRCJV8-5100-5150-5250-5300-50SS	1	Calibrated before use	N/A
A1980	High Pass Filter	AtlanTecRF	AFH-06000	09110900393	17 Apr 2016	12
A1834	RF Attenuator	Hewlett Packard	8491B	10444	05 Mar 2016	12
A1393	RF Attenuator	Huber & Suhner	6820.17.B	757456	05 May 2016	12
A1396	RF Attenuator	Huber & Suhner	6810.17.B	757987	05 May 2016	12
A1818	Antenna	EMCO	3115	00075692	20 Dec 2015	12
A288	Antenna	Chase	CBL6111A	1589	27 Aug 2016	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 Pre-amplifier	Farran Technology	FLNA-28-30	FTL 6483	09 Jan 2016	12
A1878	WG22 Adaptor	Quasar	QRA22PQB402BKF	N/A	Calibrated before use	N/A
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**Test Summary:**

Test Engineer:	Georgios Vrezas	Test Dates:	02 September 2015 to 15 September 2015
Test Sample Serial Number:	0004565800E2		

FCC Reference:	Parts 15.407(b)(1) & 15.209(a)
Test Method Used:	ANSI C63.10 Section 6.10 & FCC KDB 789033 Section II.G

Environmental Conditions:

Temperature (°C):	23 to 24
Relative Humidity (%):	39 to 43

Note(s):

1. All modulation types were initially tested and the results were found to be comparable. Final measurements were performed using BPSK modulation. 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). 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 5.15-5.25 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 5.15-5.25 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.
5. Tests were also performed with the EUT transmitting on the lowest and highest full power channels. Tests were found to be compliant but are not included in this test report. Results are archived on the UL VS LTD IT server and are available for inspection if required.

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Parabolic Antenna / 5 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	63.1	74.0	10.9	Complied

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

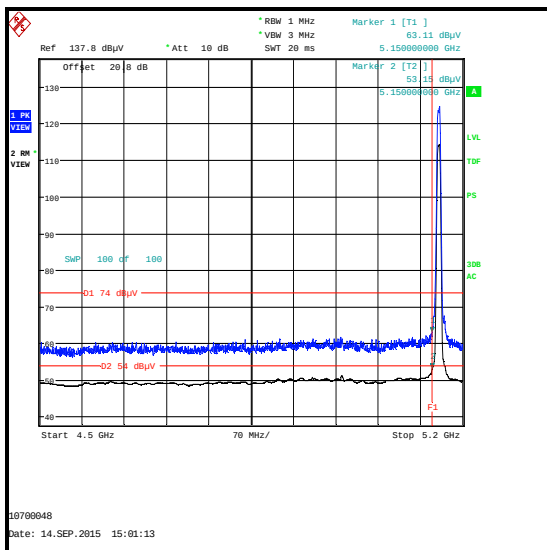
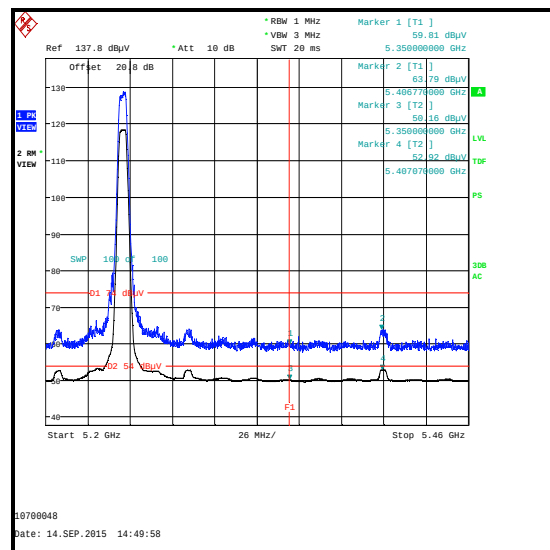
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.2	54.0	0.8	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	59.8	74.0	14.2	Complied
5406.770	63.8	74.0	10.2	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	50.2	54.0	3.8	Complied
5407.070	52.9	54.0	1.1	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Parabolic Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	67.8	74.0	6.2	Complied

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

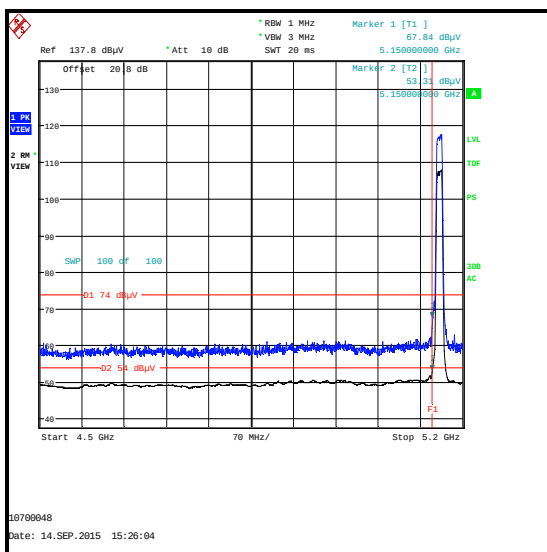
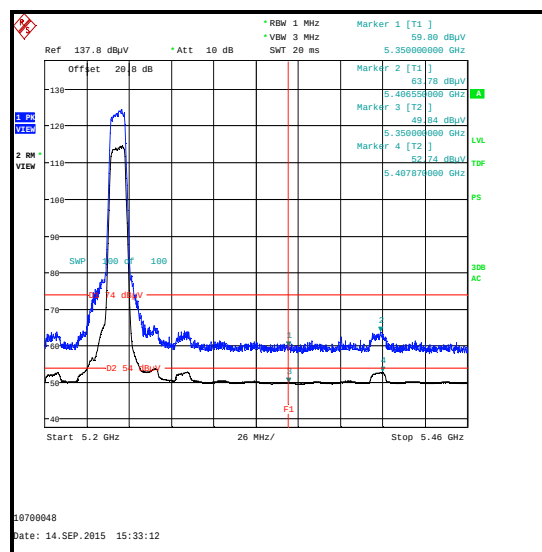
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	59.8	74.0	14.2	Complied
5406.550	63.8	74.0	10.2	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.8	54.0	4.2	Complied
5407.870	52.7	54.0	1.3	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Parabolic Antenna / 15 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5148.950	65.8	74.0	8.2	Complied
5150	65.6	74.0	8.4	Complied

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

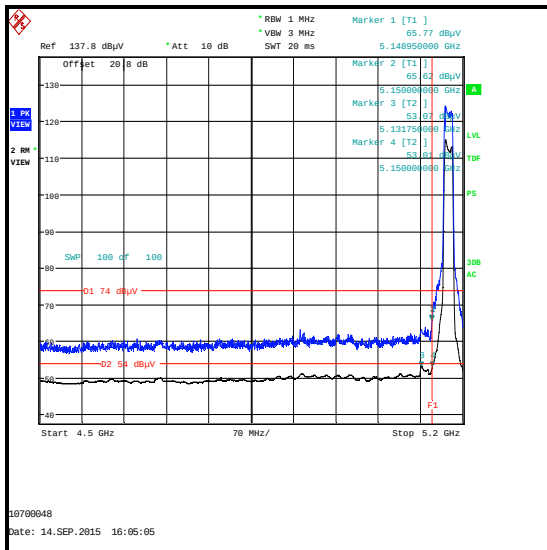
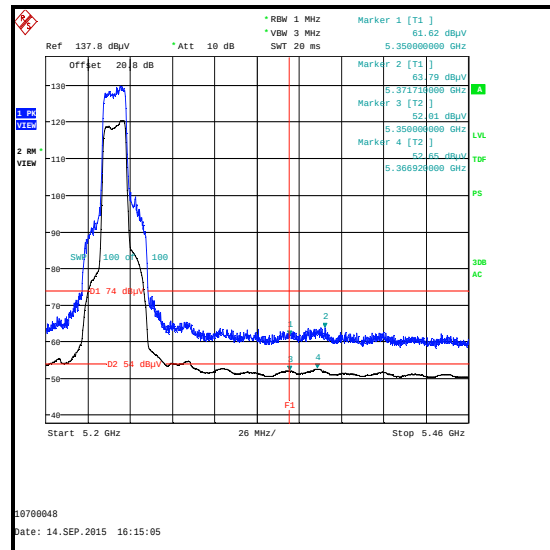
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5131.750	53.1	54.0	0.9	Complied
5150	53.0	54.0	1.0	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	61.6	74.0	12.4	Complied
5371.710	63.8	74.0	10.2	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	52.0	54.0	2.0	Complied
5366.920	52.7	54.0	1.3	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Parabolic Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5146.500	67.2	74.0	6.8	Complied
5150	65.4	74.0	8.6	Complied

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

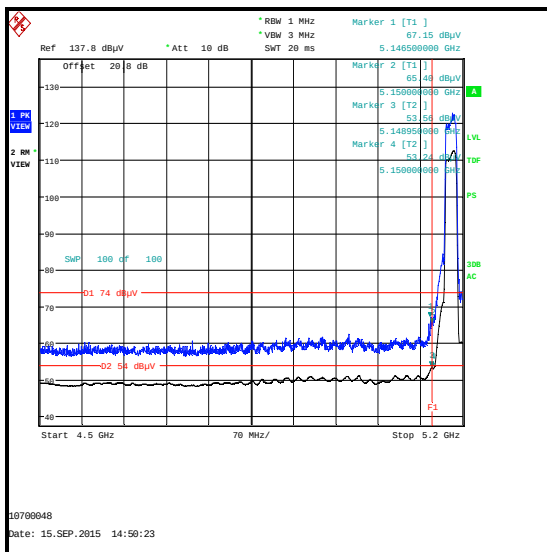
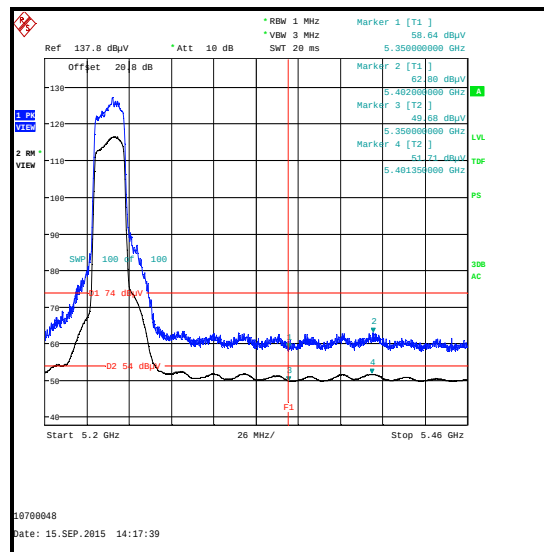
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5148.950	53.6	54.0	0.4	Complied
5150	53.2	54.0	0.8	Complied

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

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	58.6	74.0	15.4	Complied
5402	62.8	74.0	11.2	Complied

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

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	49.7	54.0	4.3	Complied
5401.350	51.7	54.0	2.3	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Parabolic Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	64.7	74.0	9.3	Complied

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

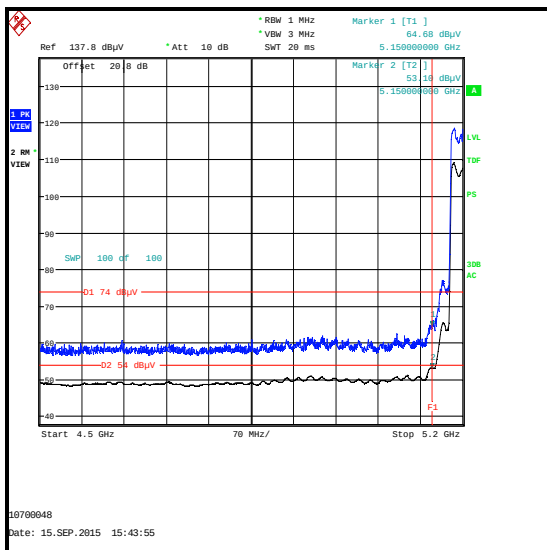
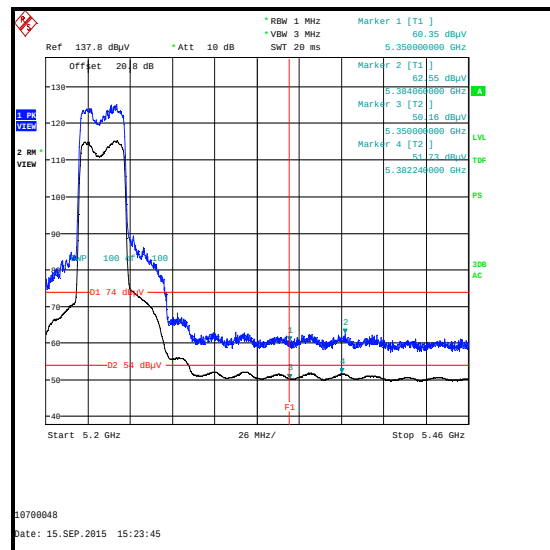
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.1	54.0	0.9	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	60.4	74.0	13.6	Complied
5384.060	62.6	74.0	11.4	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	50.2	54.0	3.8	Complied
5382.240	51.7	54.0	2.3	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Parabolic Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	66.3	74.0	7.7	Complied

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

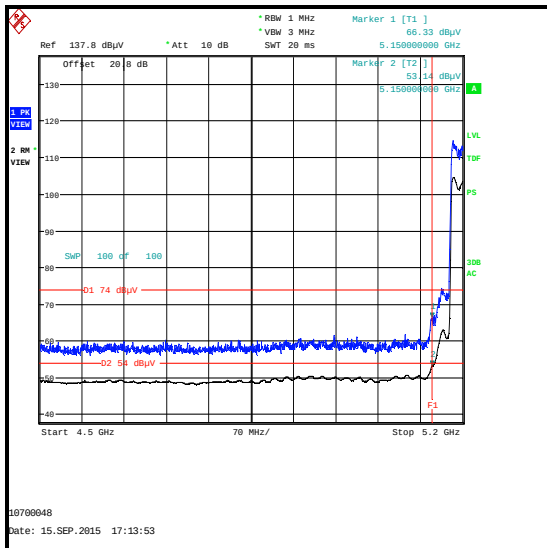
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.1	54.0	0.9	Complied

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

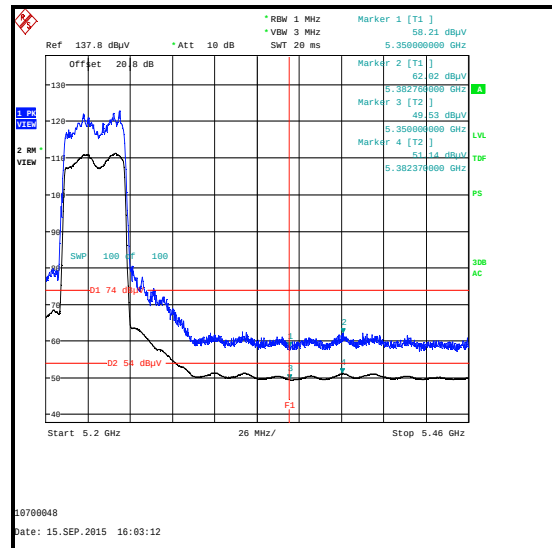
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.2	74.0	15.8	Complied
5382.760	62.0	74.0	12.0	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.5	54.0	4.5	Complied
5382.370	51.1	54.0	2.9	Complied



Lower Band Edge



Upper Band Edge

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Parabolic Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	66.9	74.0	7.1	Complied

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

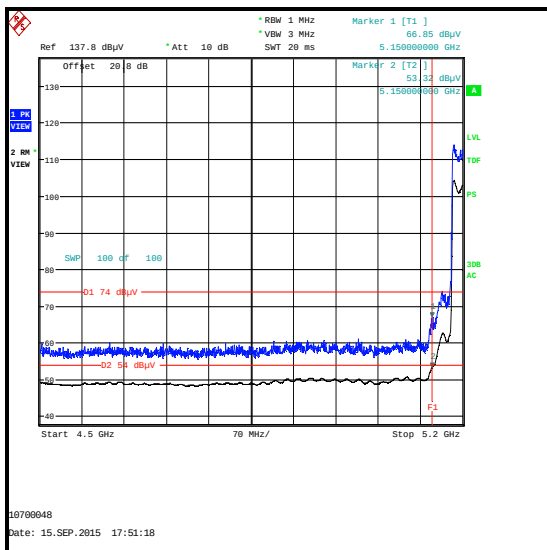
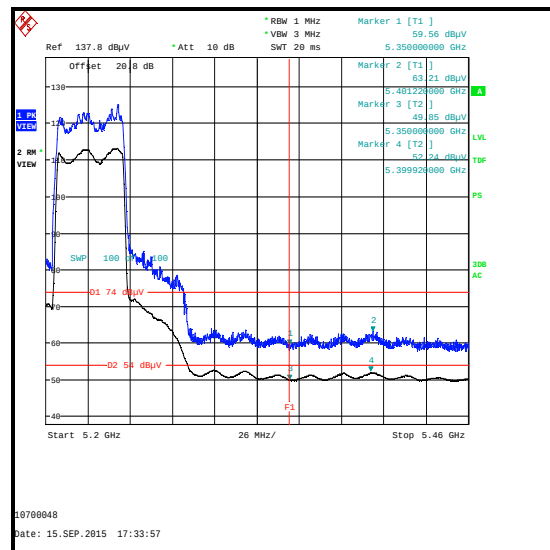
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	59.6	74.0	14.4	Complied
5401.220	63.2	74.0	10.8	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.9	54.0	4.1	Complied
5399.920	52.2	54.0	1.8	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Plate Antenna / 5 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	63.4	74.0	10.6	Complied

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

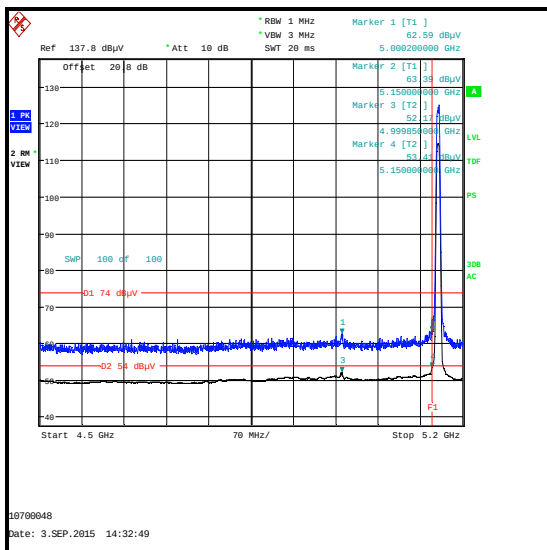
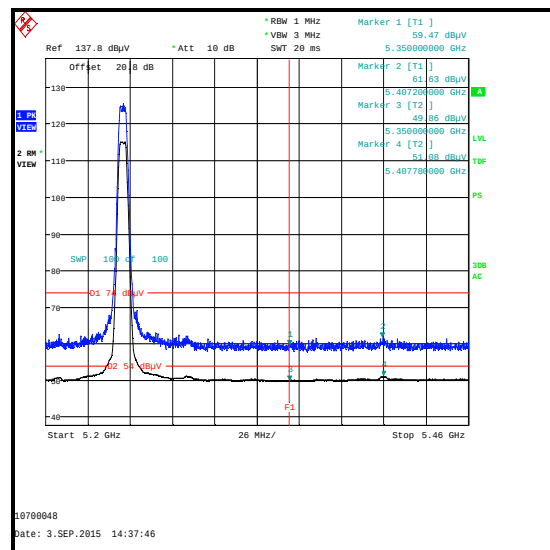
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.4	54.0	0.6	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	59.5	74.0	14.5	Complied
5407.200	61.6	74.0	12.4	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.9	54.0	4.1	Complied
5407.780	51.1	54.0	2.9	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Plate Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	65.8	74.0	8.2	Complied

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

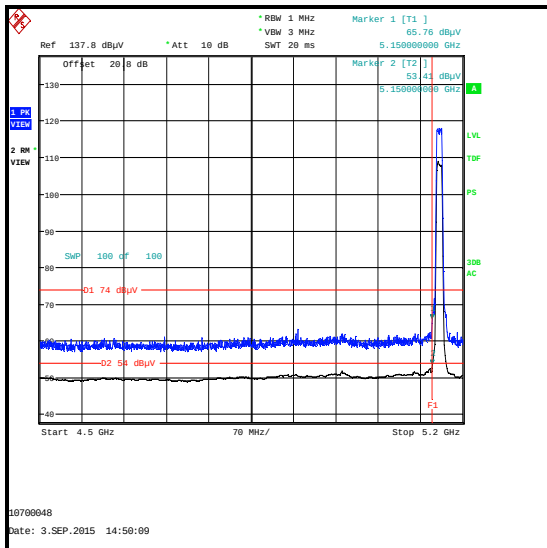
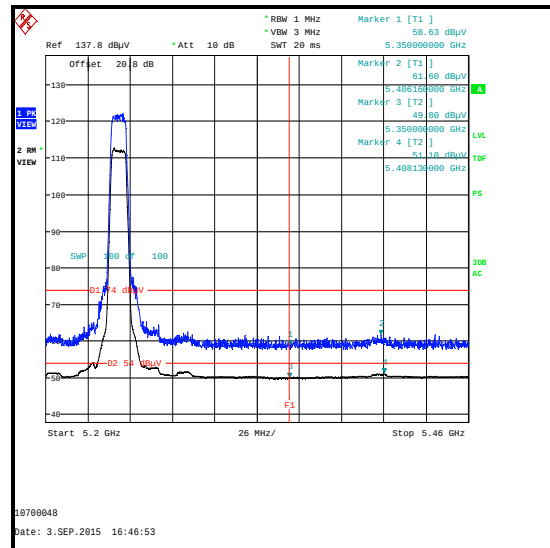
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.4	54.0	0.6	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.6	74.0	15.4	Complied
5406.160	61.6	74.0	12.4	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.8	54.0	4.2	Complied
5408.130	51.1	54.0	2.9	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (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
5150	69.0	74.0	5.0	Complied

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

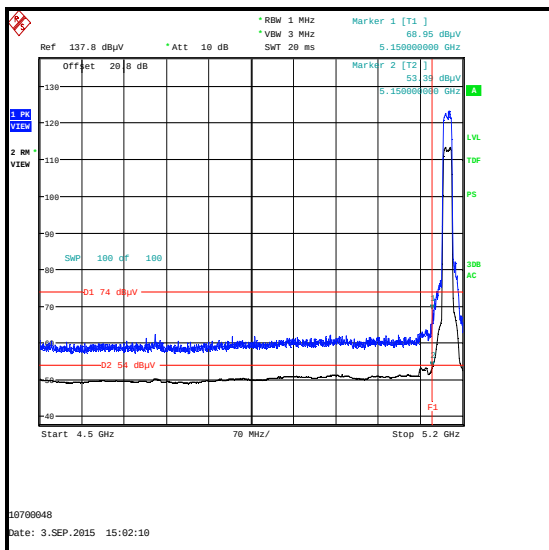
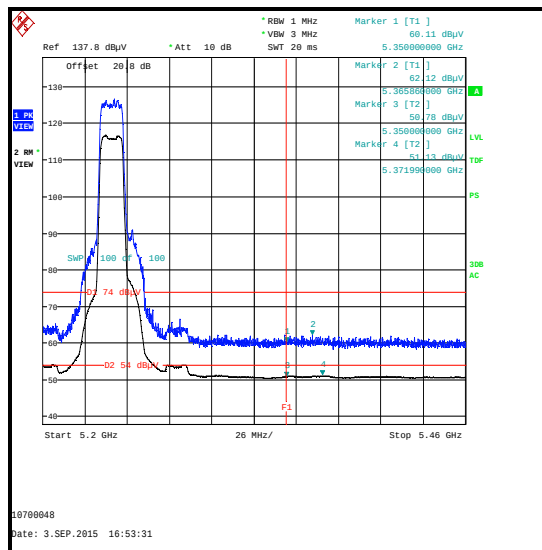
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	53.4	54.0	0.6	Complied

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	60.1	74.0	13.9	Complied
5365.860	62.1	74.0	11.9	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	50.8	54.0	3.2	Complied
5371.990	51.1	54.0	2.9	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Plate Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	64.0	74.0	10.0	Complied

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

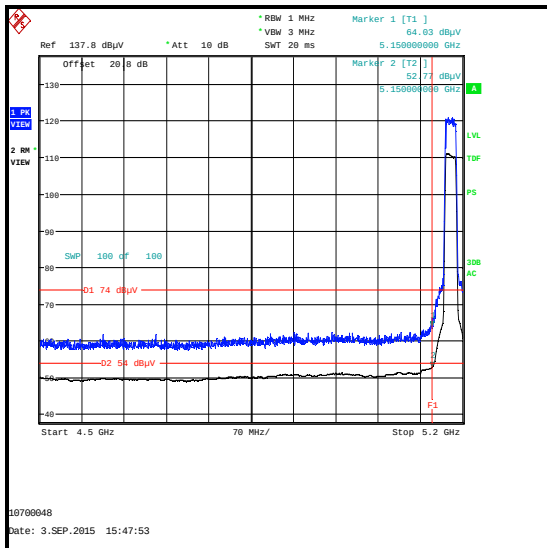
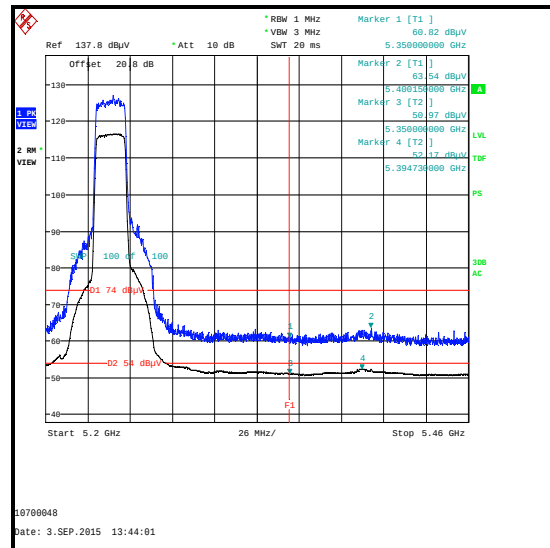
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	52.8	54.0	1.2	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	60.8	74.0	13.2	Complied
5400.150	63.5	74.0	10.5	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	51.0	54.0	3.0	Complied
5394.730	52.2	54.0	1.8	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Plate Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	63.8	74.0	10.2	Complied

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

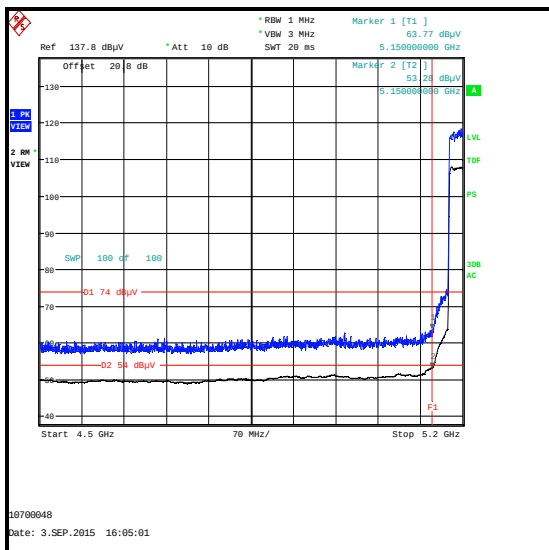
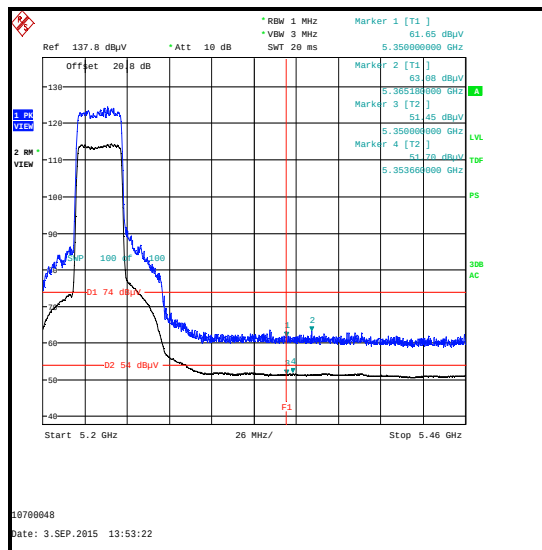
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	61.7	74.0	12.3	Complied
5365.180	63.1	74.0	10.9	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	51.5	54.0	2.5	Complied
5353.660	51.7	54.0	2.3	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Plate Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	64.5	74.0	9.5	Complied

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

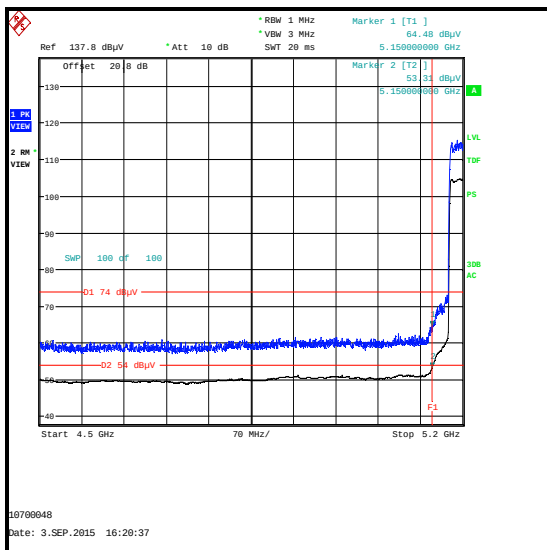
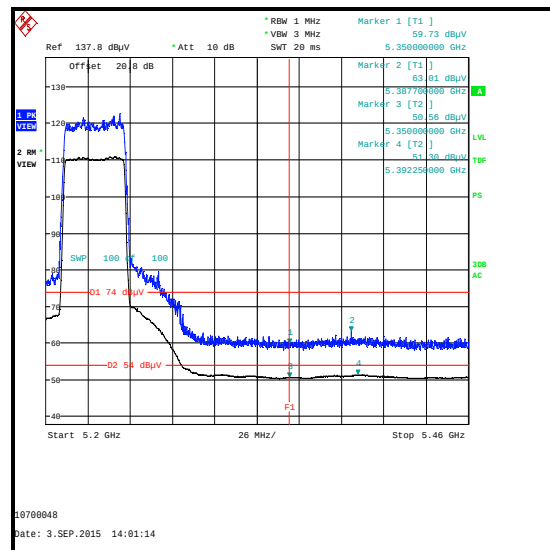
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	59.7	74.0	14.3	Complied
5387.700	63.0	74.0	11.0	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	50.6	54.0	3.4	Complied
5392.250	51.3	54.0	2.7	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Plate Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	64.5	74.0	9.5	Complied

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

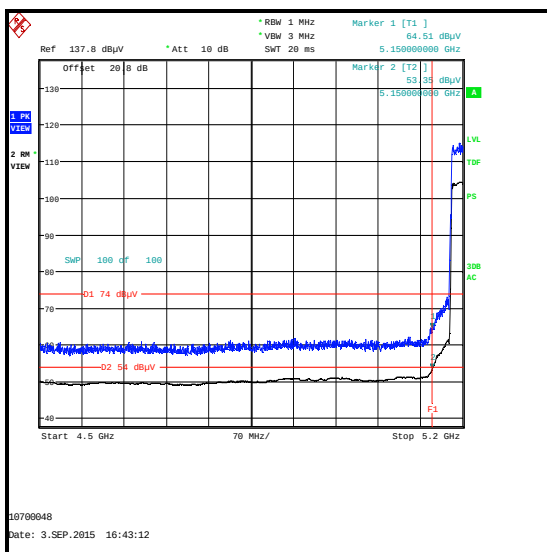
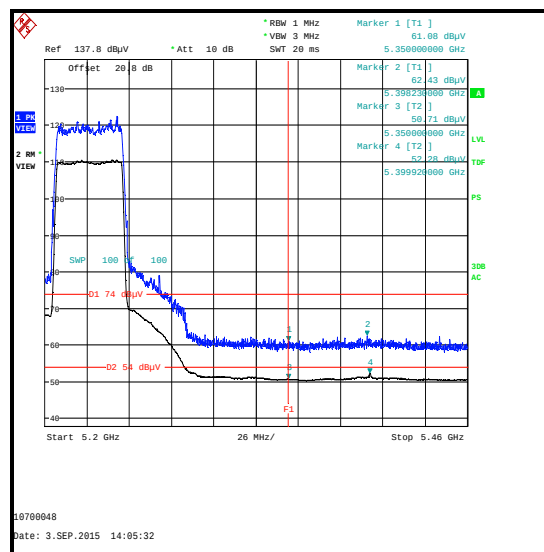
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.4	54.0	0.6	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	61.1	74.0	12.9	Complied
5398.230	62.4	74.0	11.6	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	50.7	54.0	3.3	Complied
5399.920	52.3	54.0	1.7	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Sectorised Antenna / 5 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	67.8	74.0	6.2	Complied

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

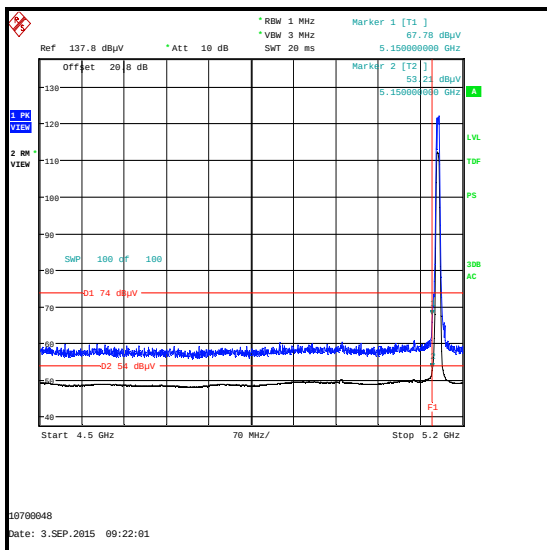
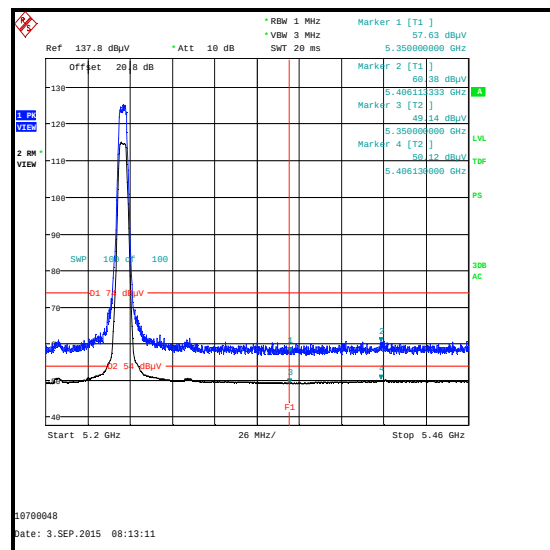
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.2	54.0	0.8	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	57.6	74.0	16.4	Complied
5406.113	60.4	74.0	13.6	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.1	54.0	4.9	Complied
5406.130	50.1	54.0	3.9	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Sectorised Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	66.5	74.0	7.5	Complied

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

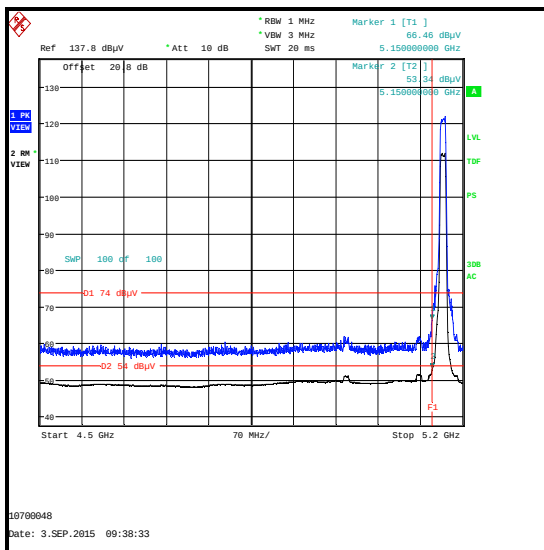
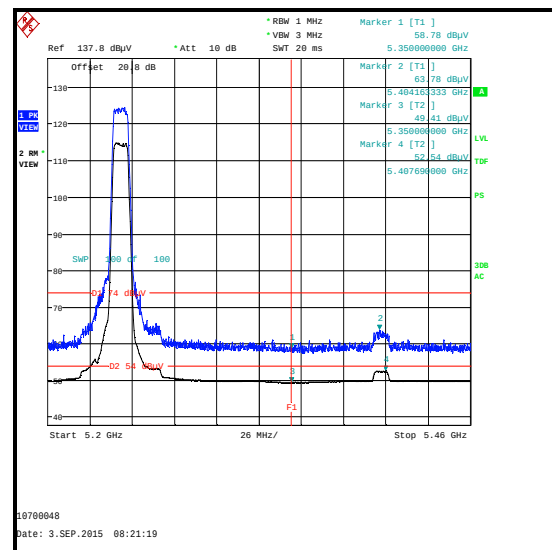
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.8	74.0	15.2	Complied
5404.163	63.8	74.0	10.2	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.4	54.0	4.6	Complied
5407.690	52.5	54.0	1.5	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Sectorised Antenna / 15 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	68.2	74.0	5.8	Complied

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

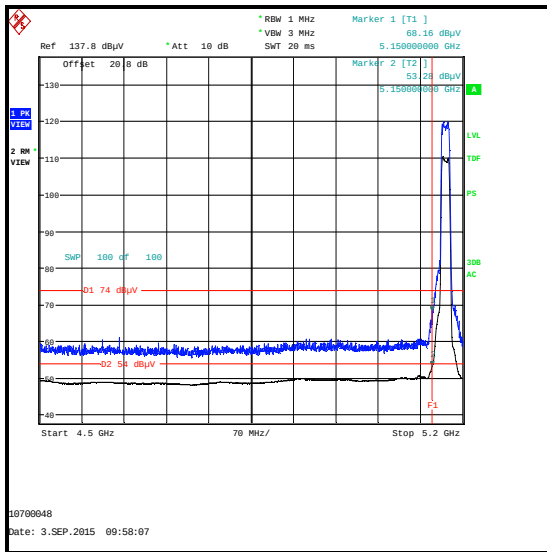
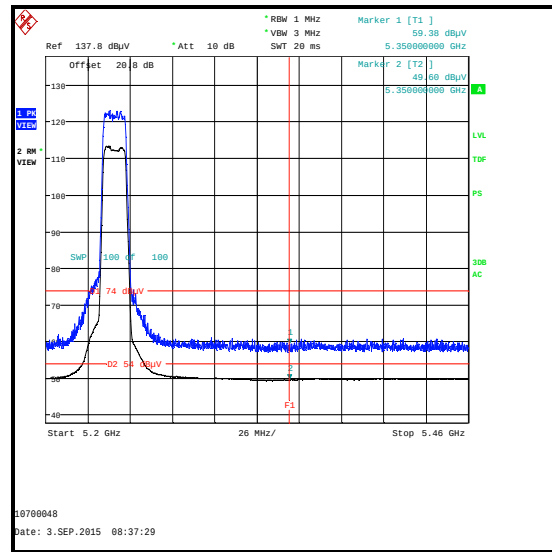
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	59.4	74.0	14.6	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.6	54.0	4.4	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Sectorised Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	67.2	74.0	6.8	Complied

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

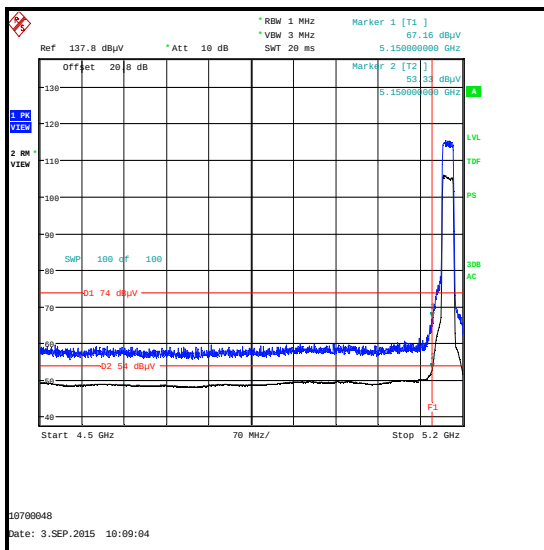
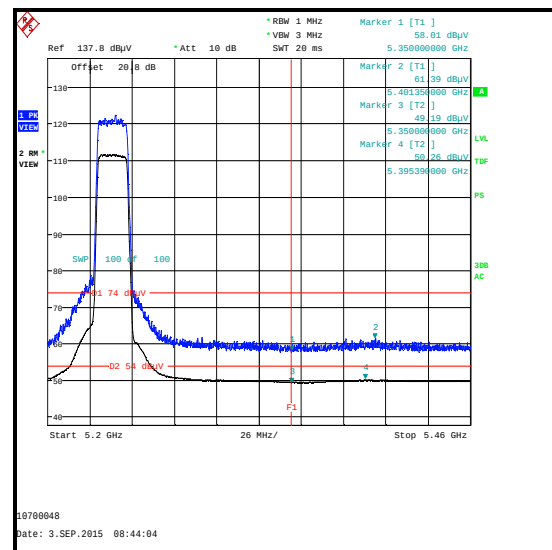
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.0	74.0	16.0	Complied
5401.350	61.4	74.0	12.6	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.2	54.0	4.8	Complied
5395.390	50.3	54.0	3.7	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Sectorised Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	65.2	74.0	8.8	Complied

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

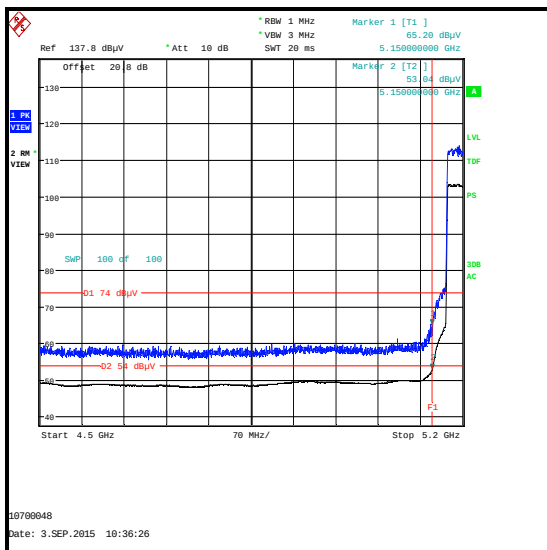
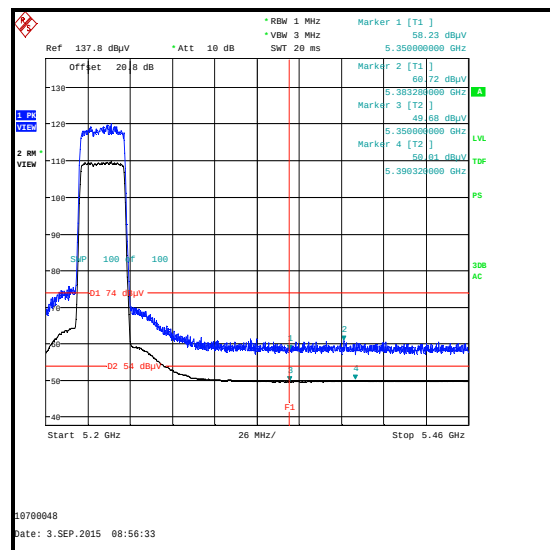
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.0	54.0	1.0	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.2	74.0	15.8	Complied
5383.280	60.7	74.0	13.3	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.7	54.0	4.3	Complied
5390.320	50.0	54.0	4.0	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Sectorised Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	66.1	74.0	7.9	Complied

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

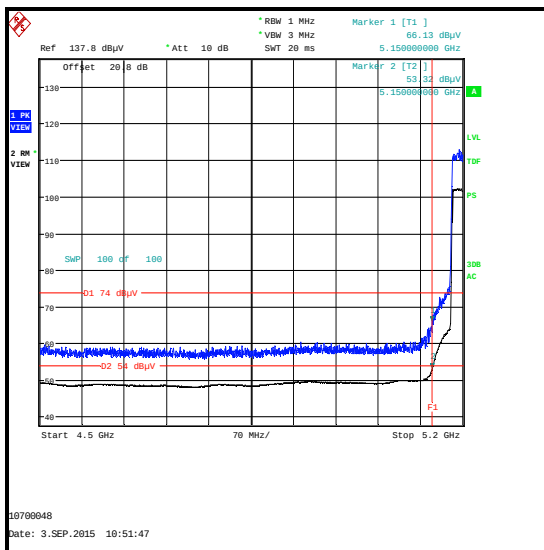
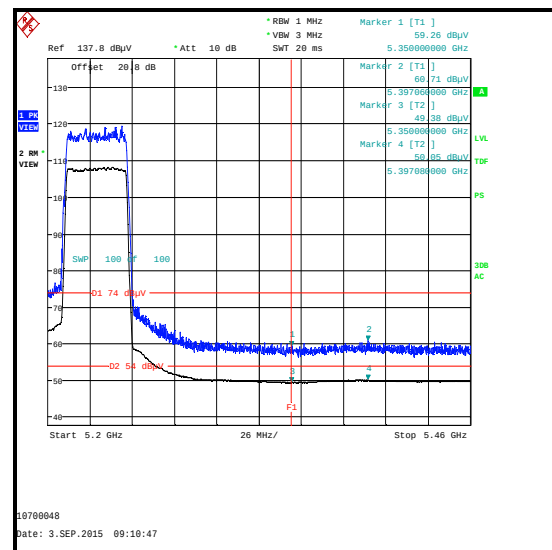
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	59.3	74.0	14.7	Complied
5397.060	60.7	74.0	13.3	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.4	54.0	4.6	Complied
5397.080	50.1	54.0	3.9	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Sectorised Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	67.1	74.0	6.9	Complied

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

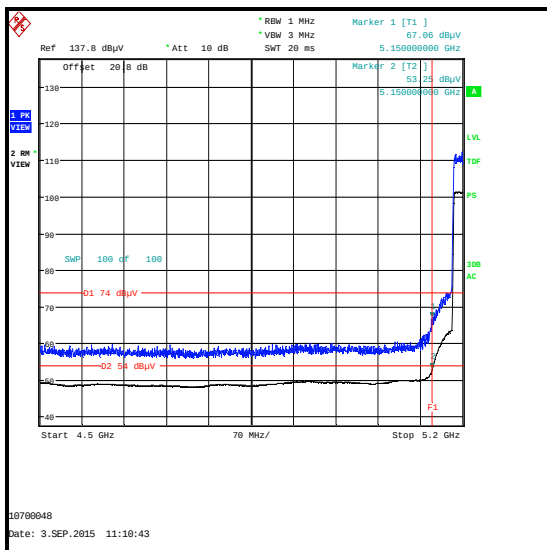
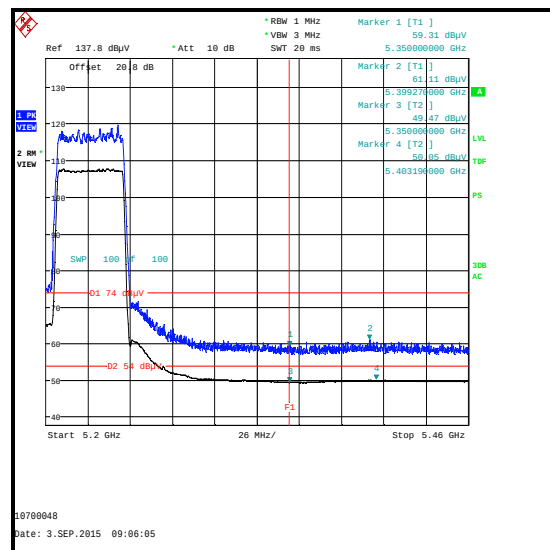
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	59.3	74.0	14.7	Complied
5399.270	61.1	74.0	12.9	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.5	54.0	4.5	Complied
5403.190	50.1	54.0	3.9	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (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
5150	67.8	74.0	6.2	Complied

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

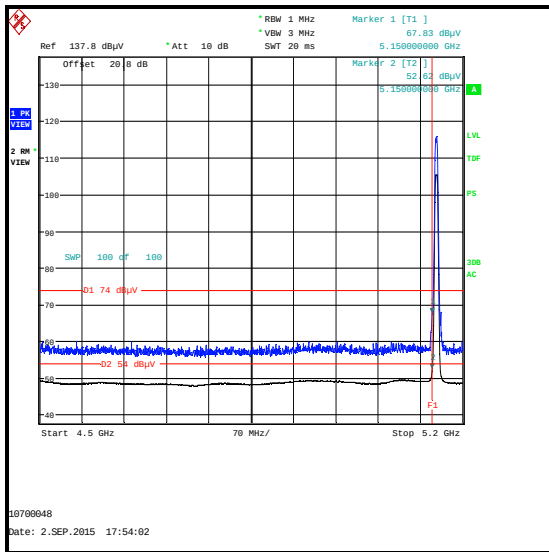
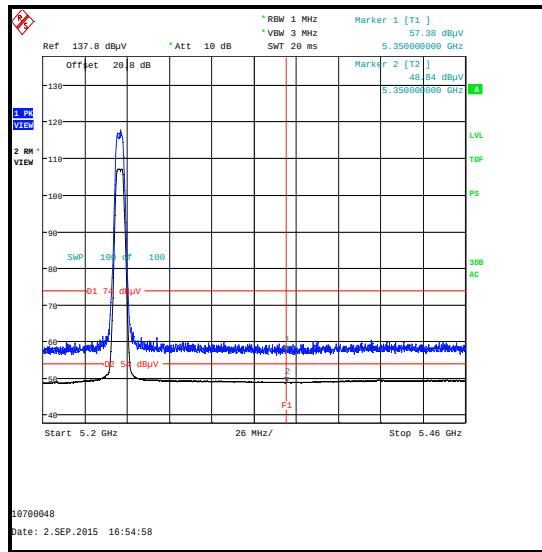
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	52.6	54.0	1.4	Complied

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	57.4	74.0	16.6	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	48.8	54.0	5.2	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	67.7	74.0	6.3	Complied

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

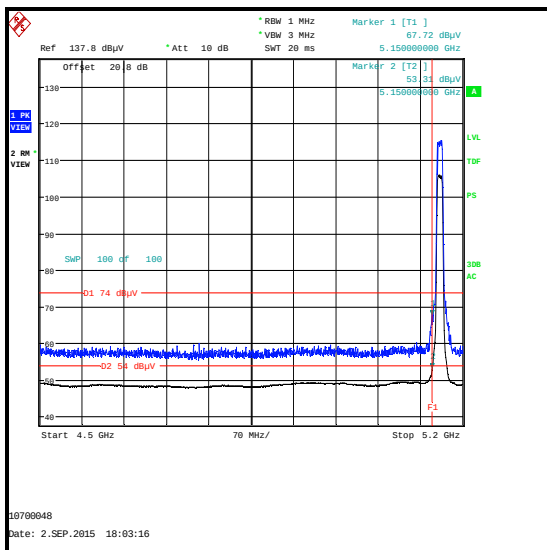
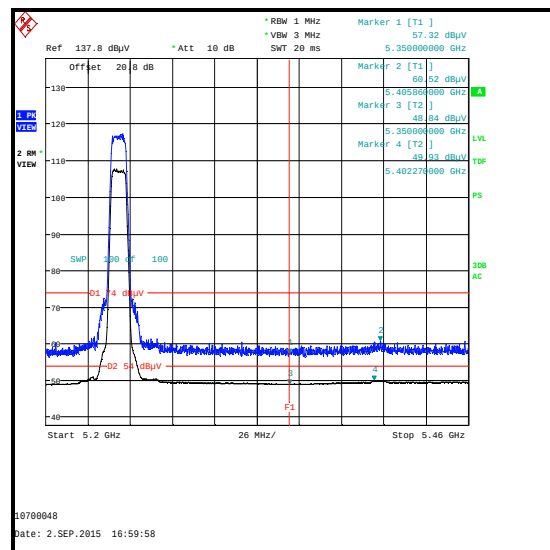
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	57.3	74.0	16.7	Complied
5405.860	60.5	74.0	13.5	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	48.8	54.0	5.2	Complied
5402.270	49.9	54.0	4.1	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)

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

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5150	69.2	74.0	4.8	Complied

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

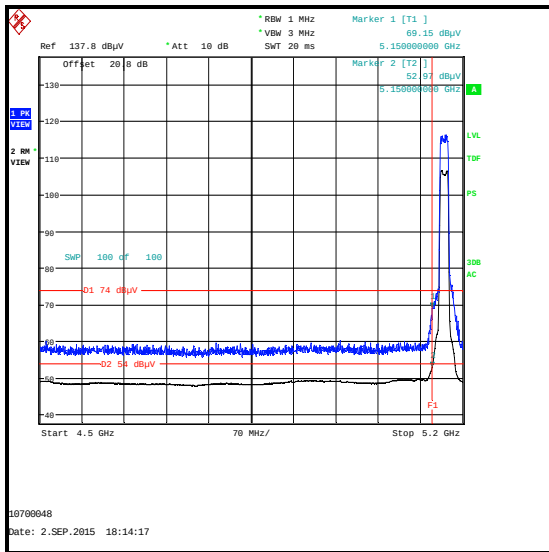
Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5150	53.0	54.0	1.0	Complied

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

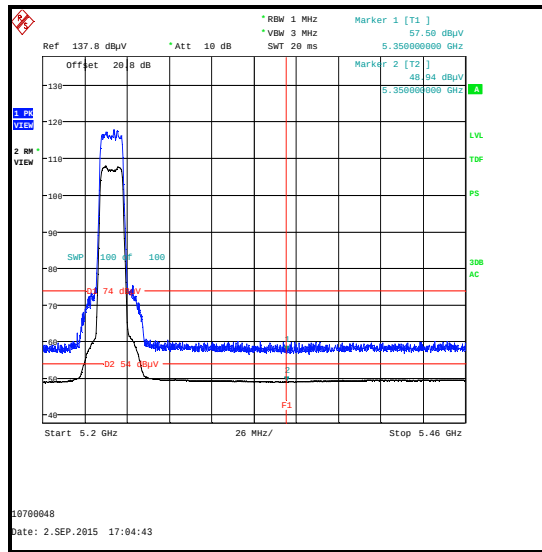
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	57.5	74.0	16.5	Complied

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

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Result
5350	48.9	54.0	5.1	Complied



Lower Band Edge



Upper Band Edge

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	66.5	74.0	7.5	Complied

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

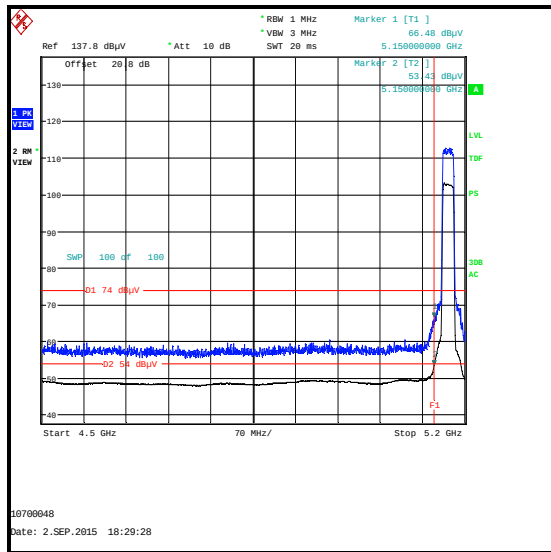
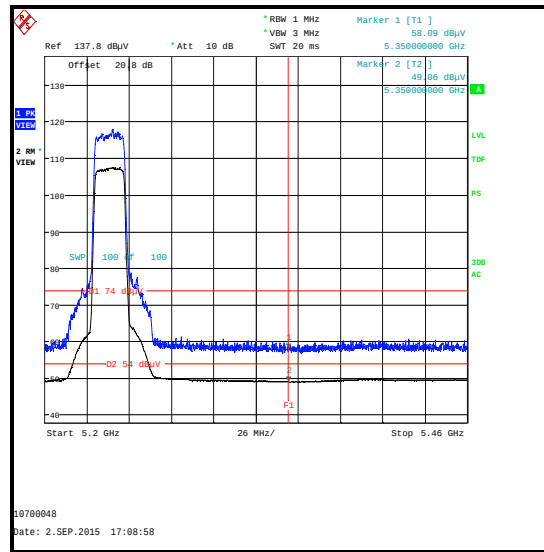
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.4	54.0	0.6	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.1	74.0	15.9	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.1	54.0	4.9	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	63.7	74.0	10.3	Complied

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

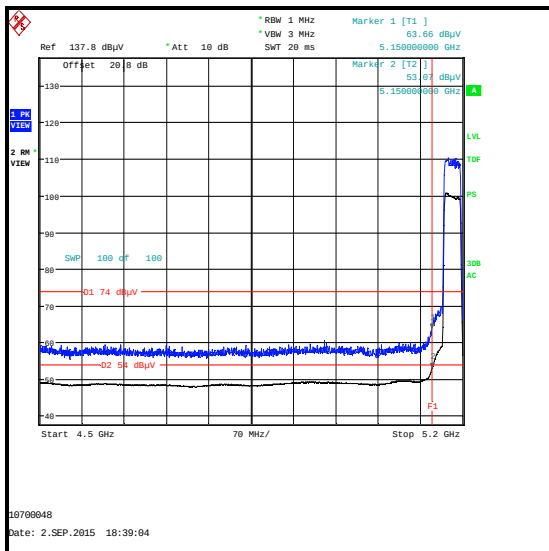
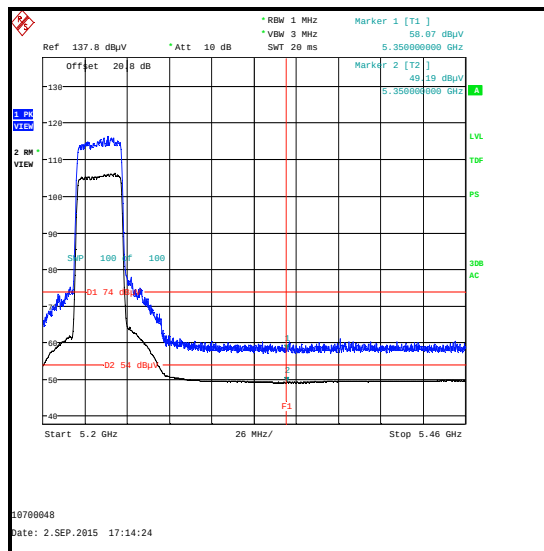
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.1	54.0	0.9	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.1	74.0	15.9	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.2	54.0	4.8	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	64.3	74.0	9.7	Complied

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

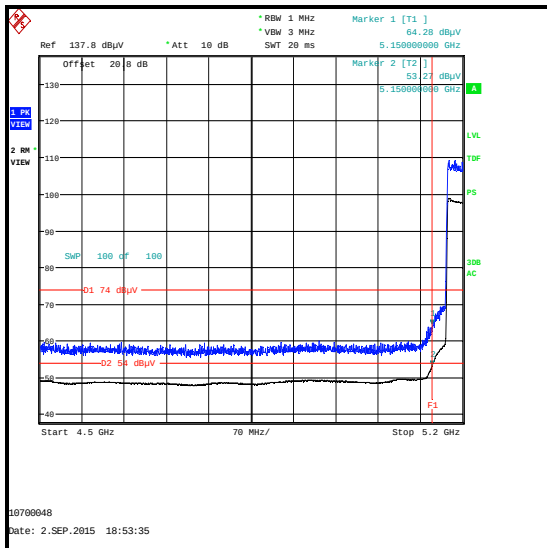
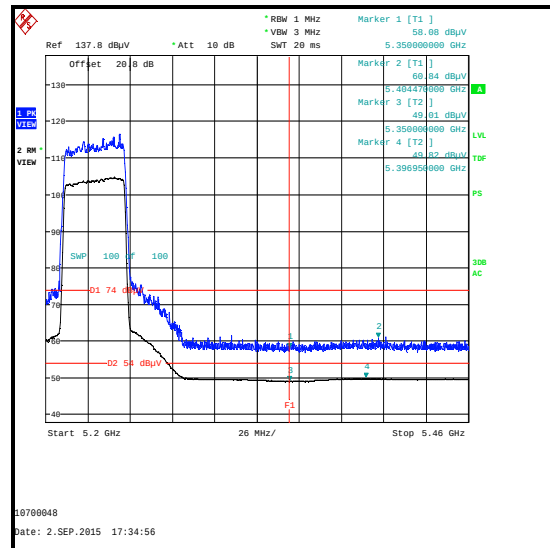
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.1	74.0	15.9	Complied
5404.470	60.8	74.0	13.2	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.0	54.0	5.0	Complied
5396.950	49.8	54.0	4.2	Complied

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

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz Band operation) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / BPSK / Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	64.4	74.0	9.6	Complied

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

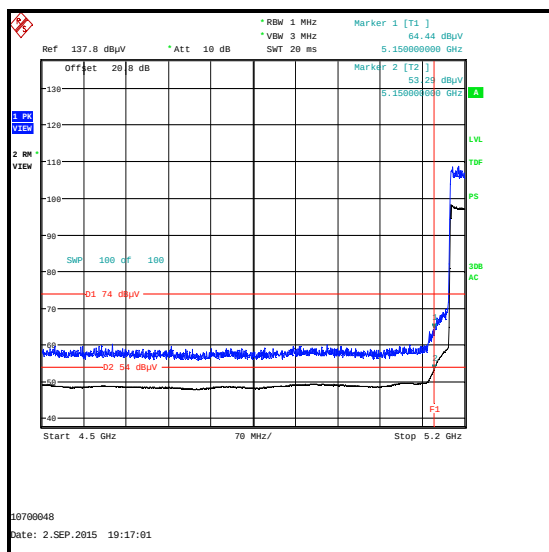
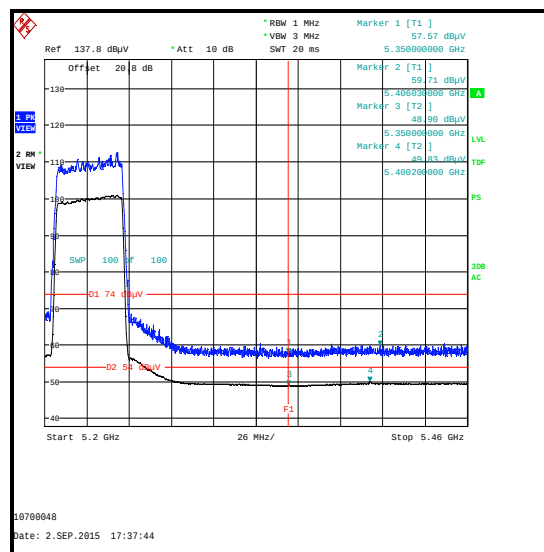
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	53.3	54.0	0.7	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	57.6	74.0	16.4	Complied
5406.030	59.7	74.0	14.3	Complied

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

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	48.9	54.0	5.1	Complied
5400.200	49.8	54.0	4.2	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

6. Measurement Uncertainty

No measurement or test can ever be perfect and the imperfections give rise to error of measurement in the results. Consequently the result of a measurement is only an approximation to the value of the measurand (the specific quantity subject to measurement) and is only complete when accompanied by a statement of the uncertainty of the approximation.

The expression of uncertainty of a measurement result allows realistic comparison of results with reference values and limits given in specifications and standards.

The uncertainty of the result may need to be taken into account when interpreting the measurement results.

The reported expanded uncertainties below are based on a standard uncertainty multiplied by an appropriate coverage factor such that a confidence level of approximately 95% is maintained. For the purposes of this document "approximately" is interpreted as meaning "effectively" or "for most practical purposes".

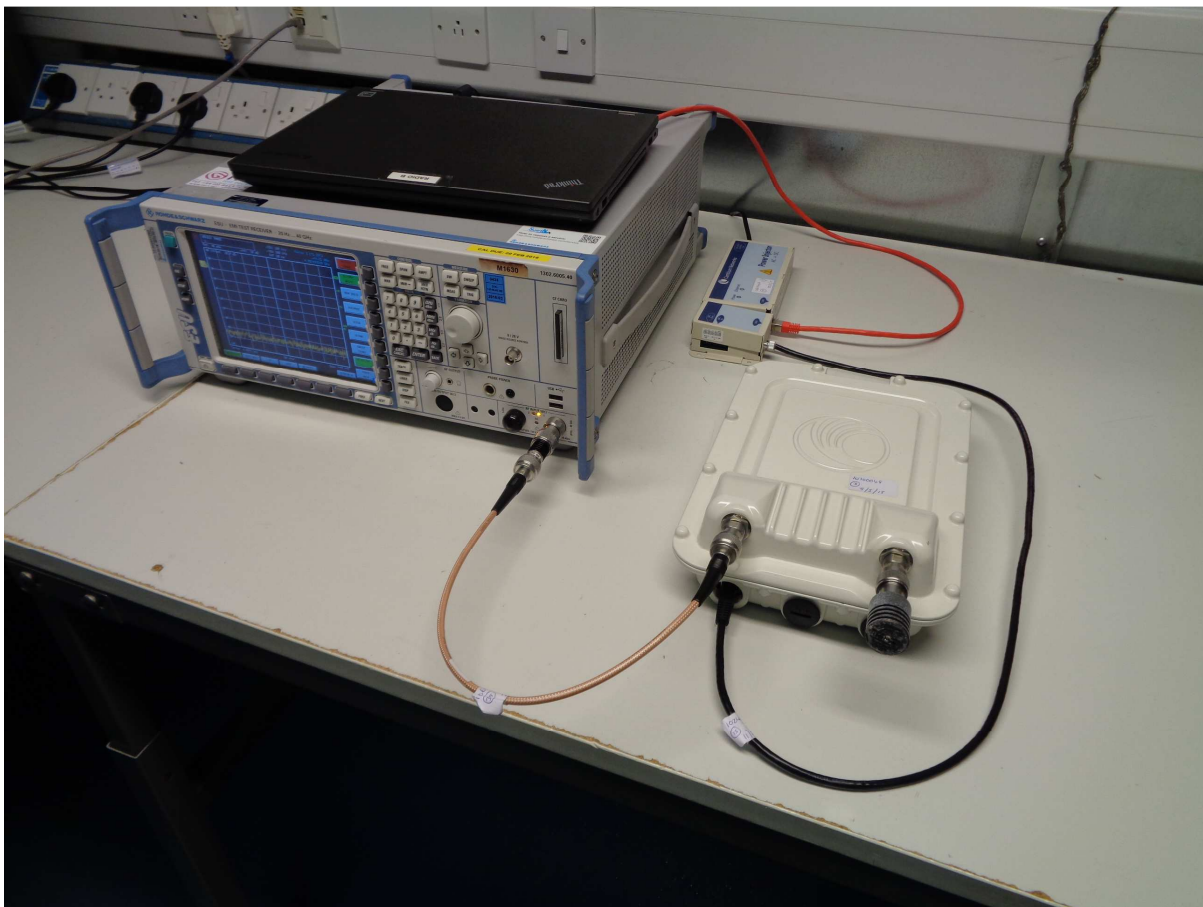
Measurement Type	Range	Confidence Level (%)	Calculated Uncertainty
AC Conducted Spurious Emissions	0.15 MHz to 30 MHz	95%	±4.69 dB
Conducted Output Power	5.15 GHz to 5.25 GHz	95%	±0.76 dB
Power Spectral Density	5.15 GHz to 5.25 GHz	95%	±1.13 dB
Occupied Bandwidth	5.15 GHz to 5.25 GHz	95%	±3.92 %
Radiated Spurious Emissions	30 MHz to 1 GHz	95%	±5.65 dB
Radiated Spurious Emissions	1 GHz to 40 GHz	95%	±2.54 dB

The methods used to calculate the above uncertainties are in line with those recommended within the various measurement specifications. Where measurement specifications do not include guidelines for the evaluation of measurement uncertainty the published guidance of the appropriate accreditation body is followed.

7. Report Revision History

Version Number	Revision Details		
	Page No(s)	Clause	Details
1.0	-	-	Initial Version
2.0	72	-	Corrected bottom channel margin

Appendix 1. Conducted Test Setup Photograph



EUT configuration for conducted measurements

--- END OF REPORT ---