

5.2.4. Transmitter Peak Power Spectral Density**Test Summary:**

Test Engineer:	David Doyle	Test Dates:	07 August 2013 to 09 August 2013
Test Sample Serial Number:	0004565000B3		

FCC Reference:	Part 15.407(a)(2)
Test Method Used:	FCC KDB 789033 F) referencing KDB 789033 E)2)e)

Environmental Conditions:

Temperature (°C):	25 to 29
Relative Humidity (%):	36 to 42

Note(s):

- Tests were performed with the EUT transmitting at its' maximum power control level (used in conjunction with the omnidirectional antenna which has the lowest gain) and also at the minimum power control level (used in conjunction with the parabolic antenna which has the highest gain). The EUT was transmitting with >99% duty cycle. Various other antennas can be used and the manufacturer will reduce the maximum configurable output power by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- The peak power spectral density limit for the omnidirectional antenna was recalculated as:

$$13 \text{ dBi (antenna gain)} - 1.5 \text{ dB (cable loss)} = 11.5 \text{ dBi}$$

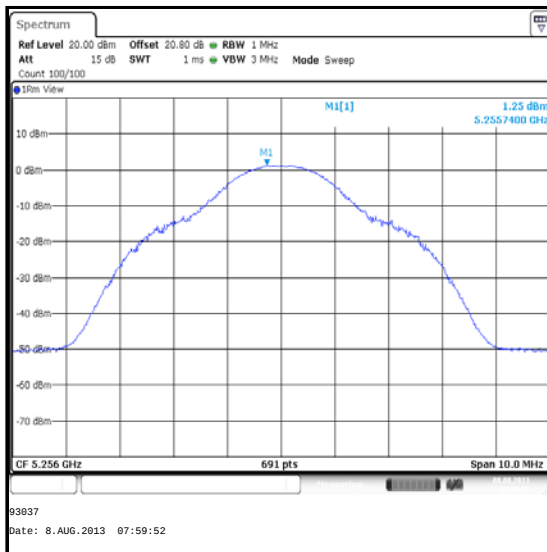
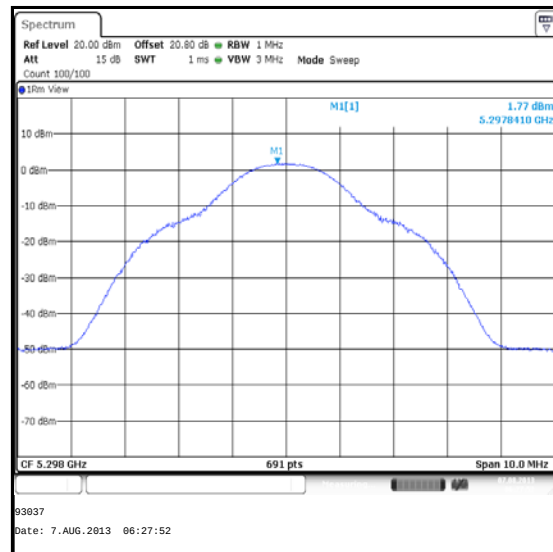
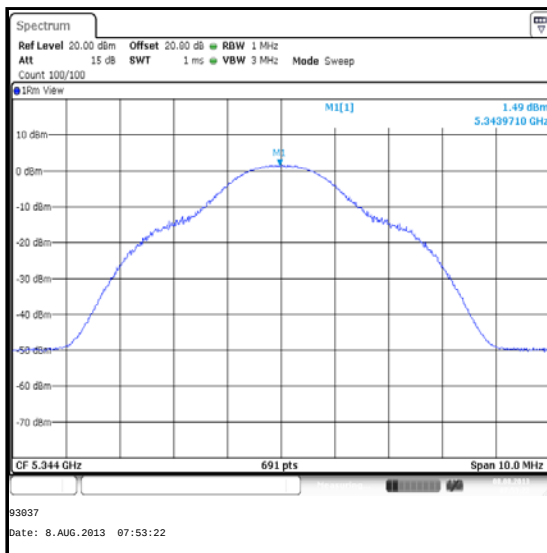
$$11.5 \text{ dBi} - 6 \text{ dB} = 5.5 \text{ dB}$$
The 11 dBm/MHz PSD limit was reduced by 5.5 dB to 5.5 dBm/MHz
- The peak power spectral density limit for the parabolic antenna was recalculated as:

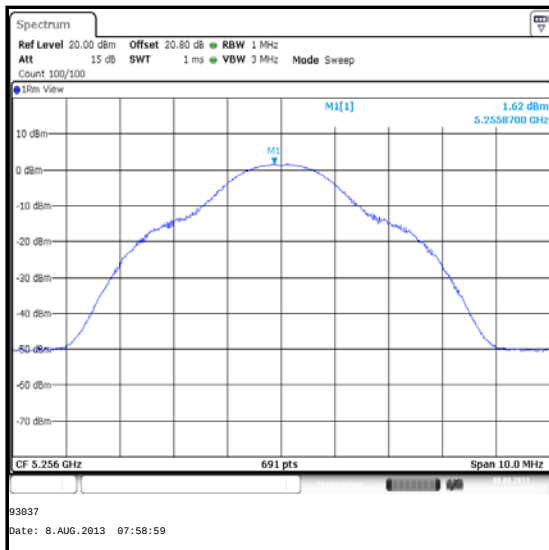
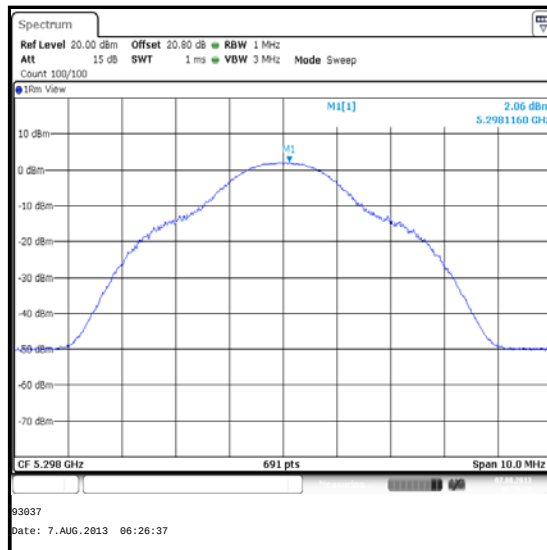
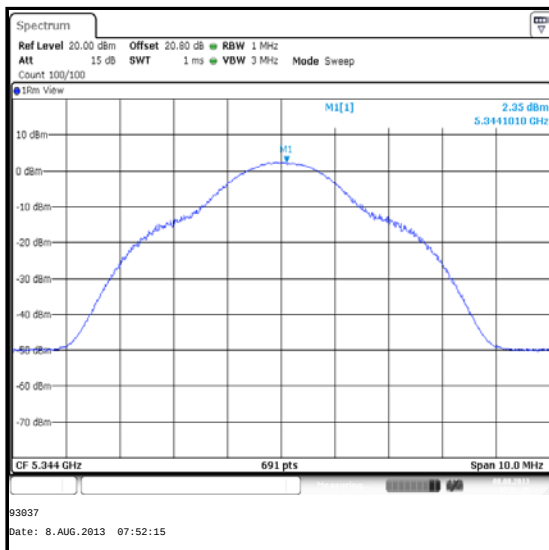
$$34.9 \text{ dBi (antenna gain)} - 1.5 \text{ dB (cable loss)} = 33.4 \text{ dBi}$$

$$33.4 \text{ dBi} - 6 \text{ dB} = 27.4 \text{ dB}$$
The 11 dBm/MHz PSD limit was reduced by 27.4 dB to -16.4 dBm/MHz
- All supported modes and channel widths were initially investigated on one channel. The mode that produced the highest peak power spectral density was 256QAM. Final measurements were performed using 256QAM and acquisition mode (ACQ) on the bottom, middle and top channels in all supported channel bandwidths on both operating bands. Peak power spectral density was measured on both RF ports. The results were linearly combined and compared to the limit to obtain the margin. Although the EUT transmits ACQ mode at a fixed, reduced power compared with all other modes, the ACQ peak power spectral density was found to be similar to or higher than some modulation types.
- Transmitter Peak Power Spectral Density tests in all bands were performed using a calibrated spectrum analyser in accordance with FCC KDB 789033 E)2)e) Method SA-2.
- The spectrum analyser was connected to the RF port on the EUT using suitable attenuation and RF cable. An RF level offset was entered on the spectrum analyser to compensate for the loss of the attenuator and RF cable.

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / ACQ**

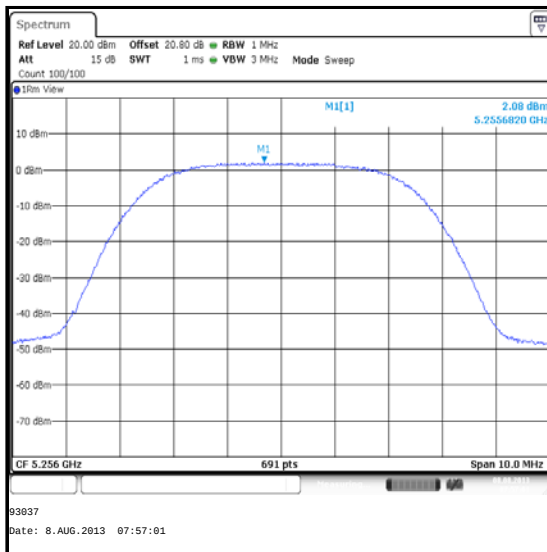
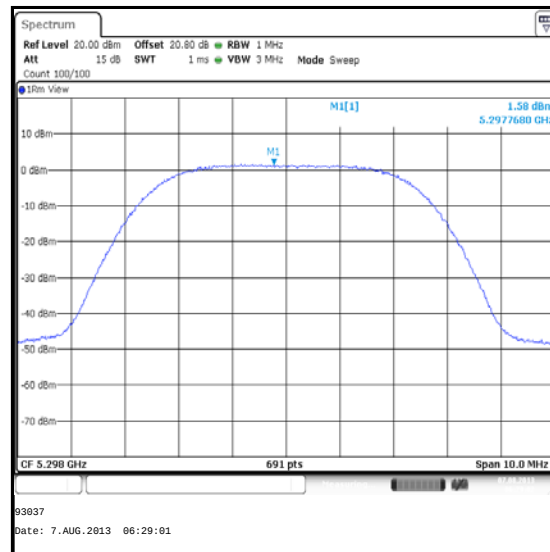
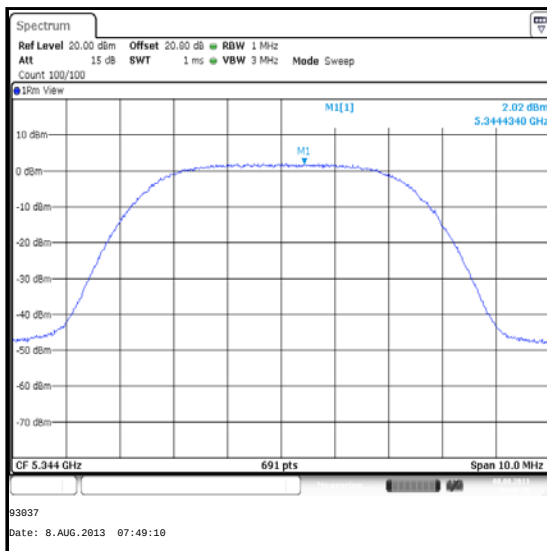
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	1.3	1.6	4.5	5.5	1.0	Complied
Middle	1.8	2.1	5.0	5.5	0.5	Complied
Top	1.5	2.4	5.0	5.5	0.5	Complied

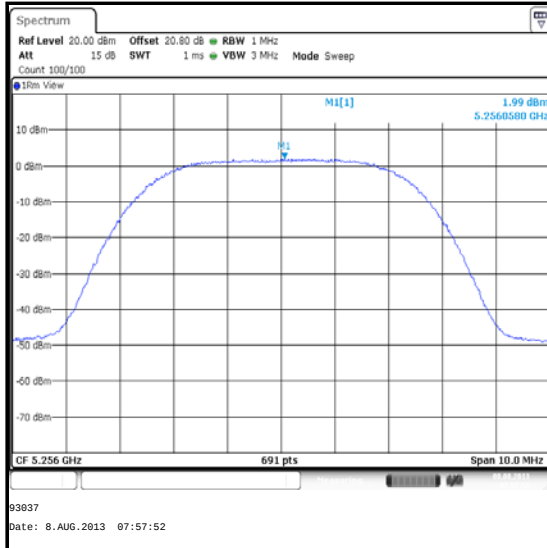
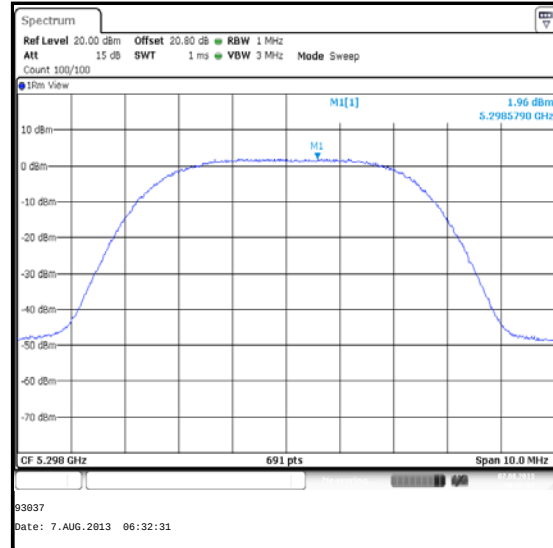
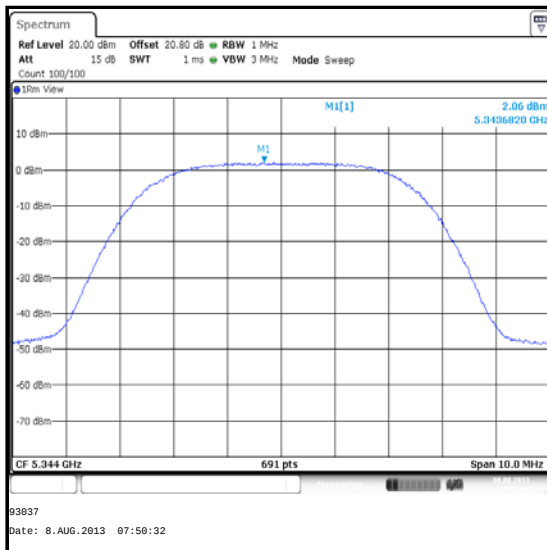
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / 256QAM**

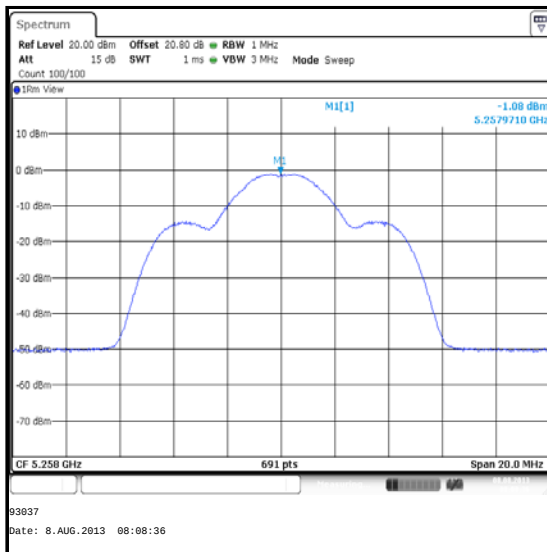
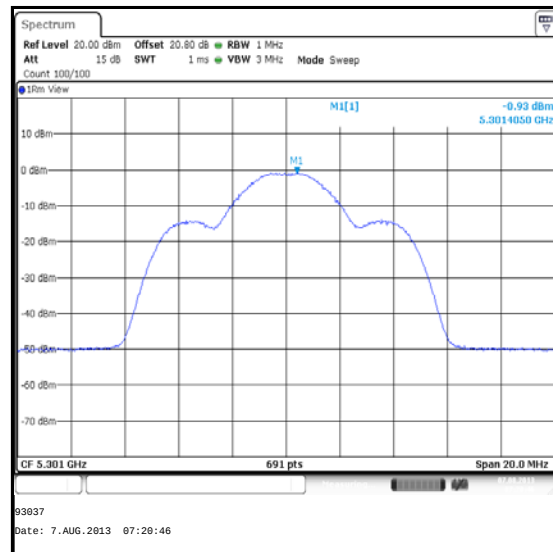
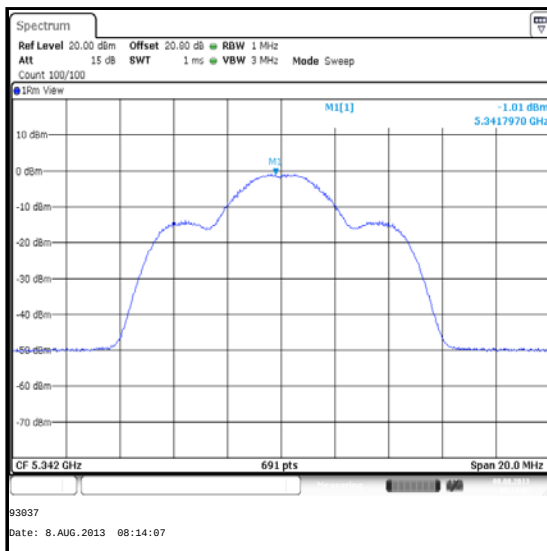
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	2.1	2.0	5.1	5.5	0.4	Complied
Middle	1.6	2.0	4.8	5.5	0.7	Complied
Top	2.0	2.1	5.1	5.5	0.4	Complied

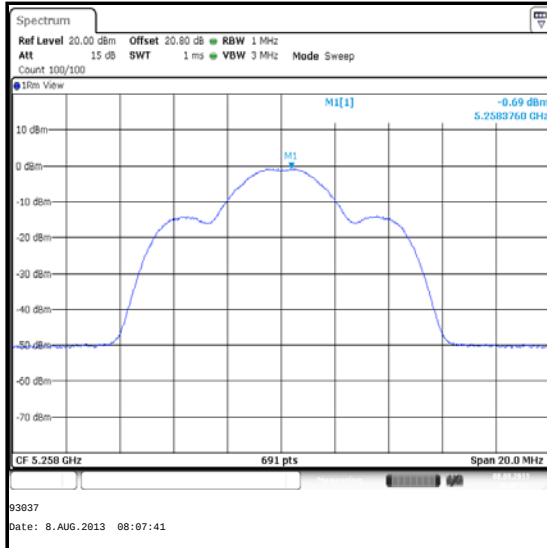
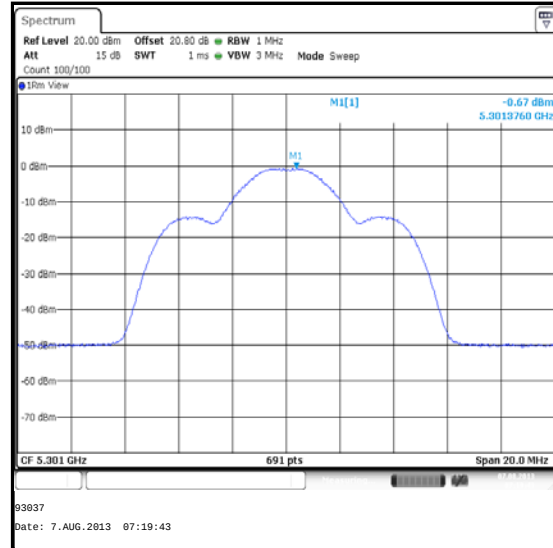
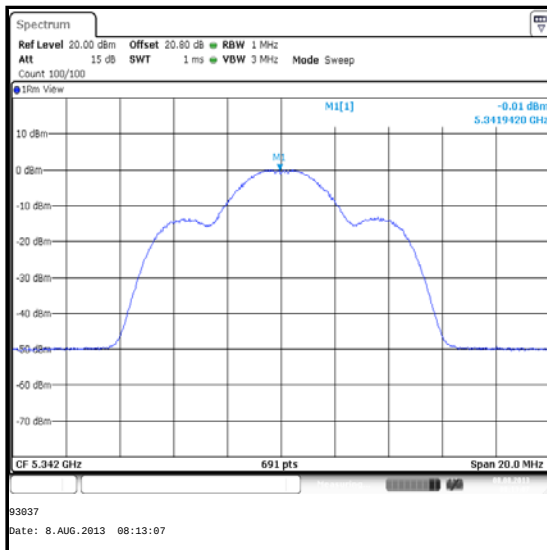
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / ACQ**

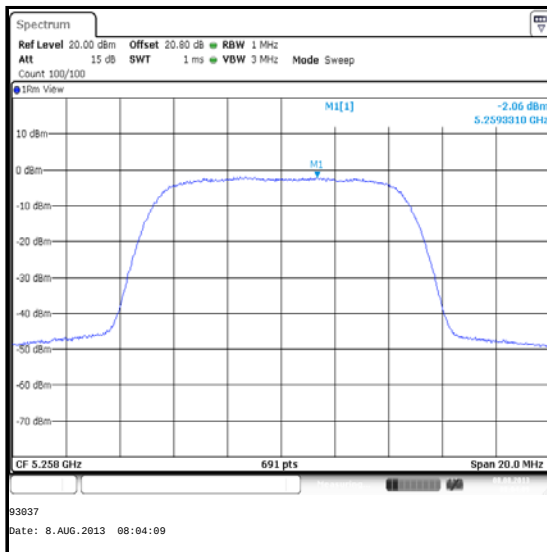
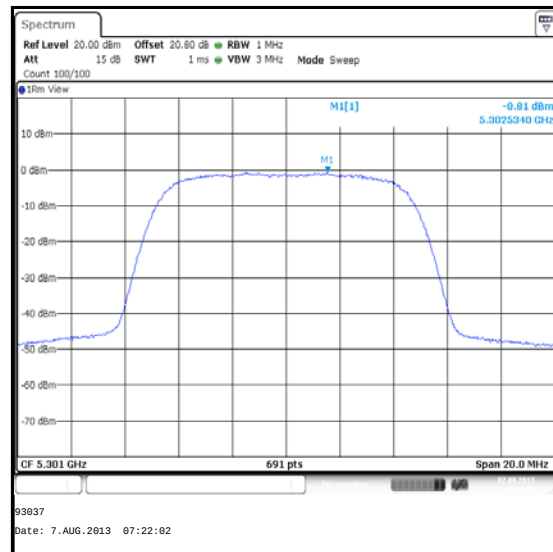
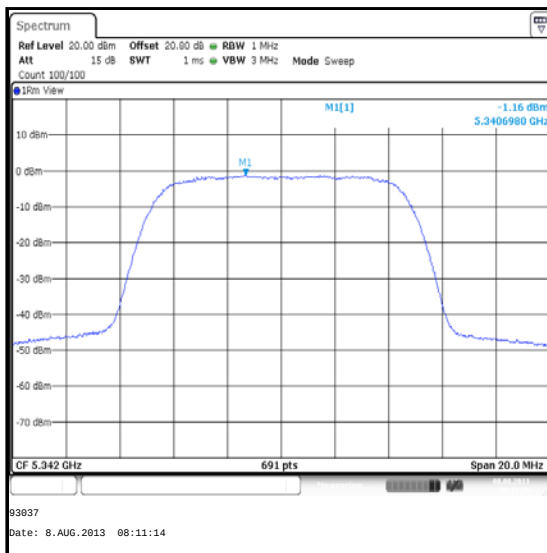
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-1.1	-0.7	2.1	5.5	3.4	Complied
Middle	-0.9	-0.7	2.2	5.5	3.3	Complied
Top	-1.0	-0.0	2.5	5.5	3.0	Complied

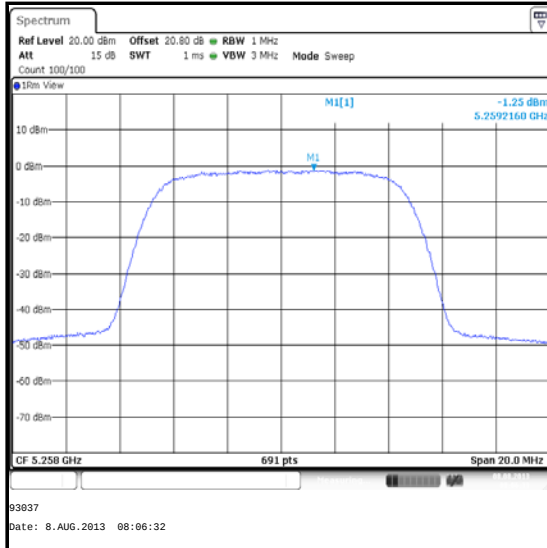
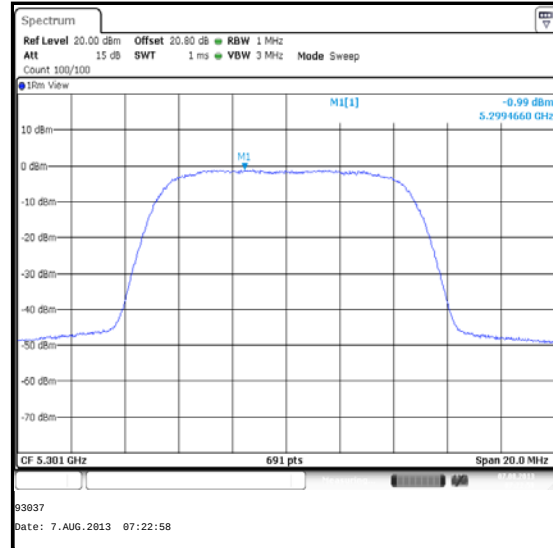
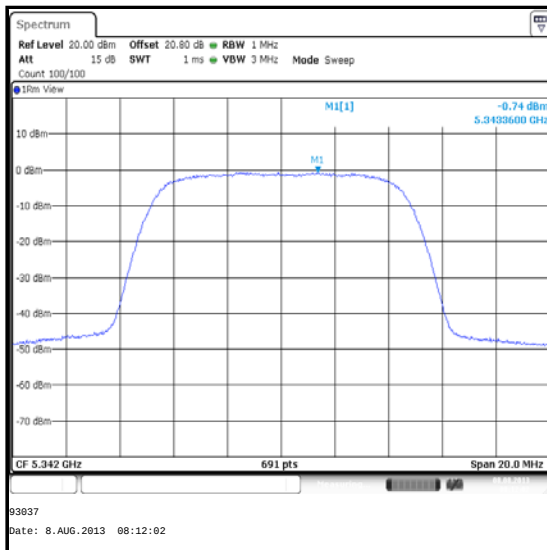
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / 256QAM**

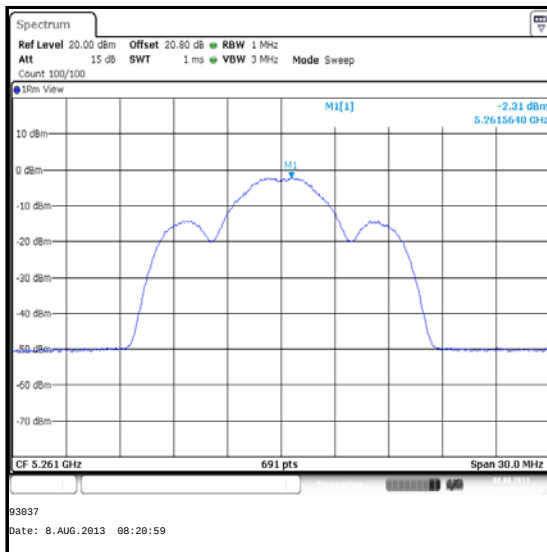
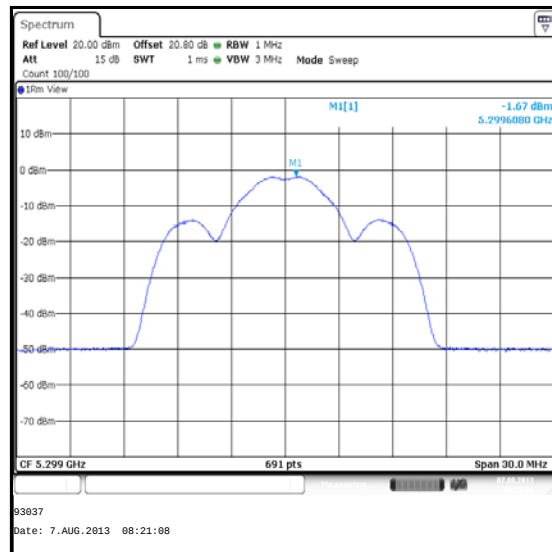
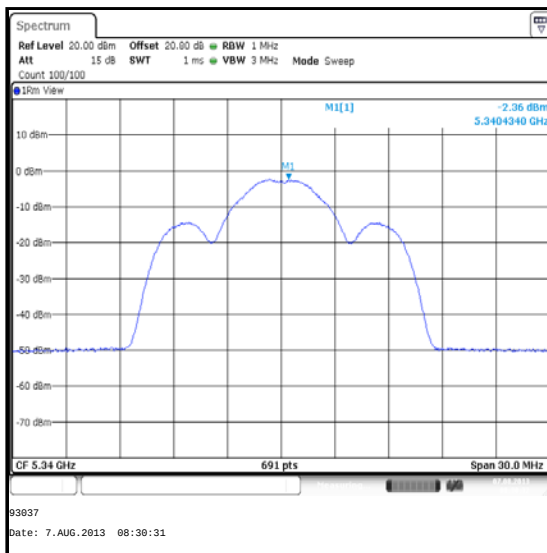
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-2.1	-1.3	1.3	5.5	4.2	Complied
Middle	-0.8	-1.0	2.1	5.5	3.4	Complied
Top	-1.2	-0.7	2.1	5.5	3.4	Complied

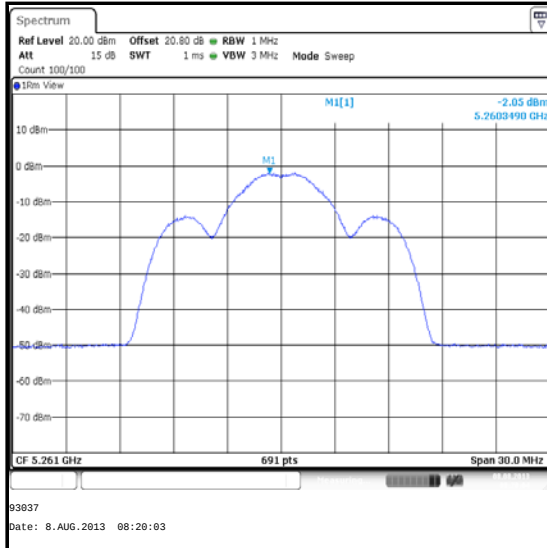
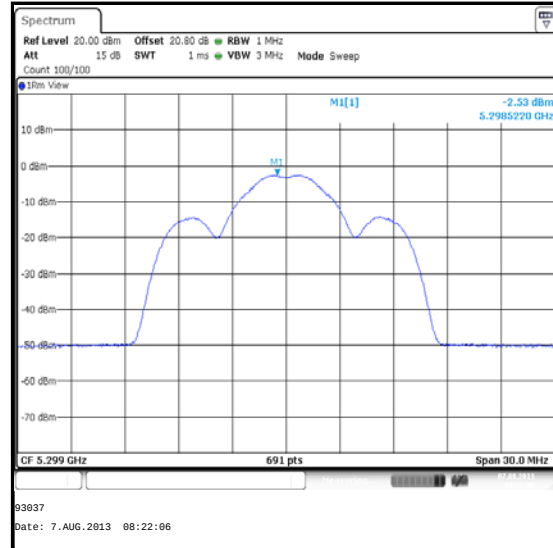
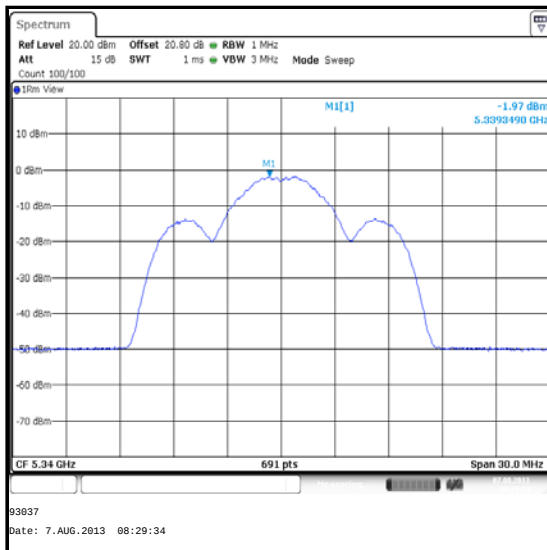
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / ACQ**

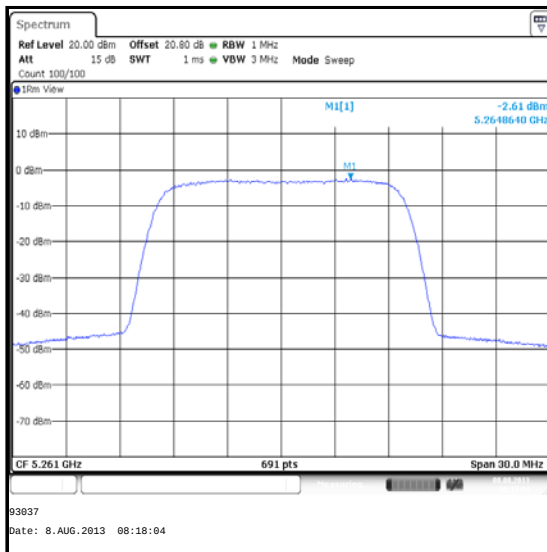
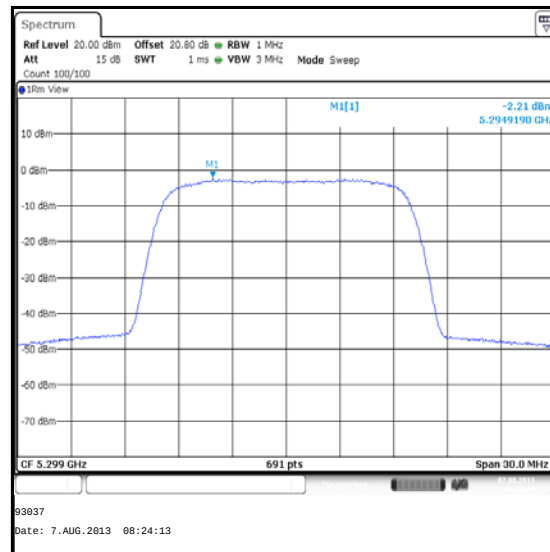
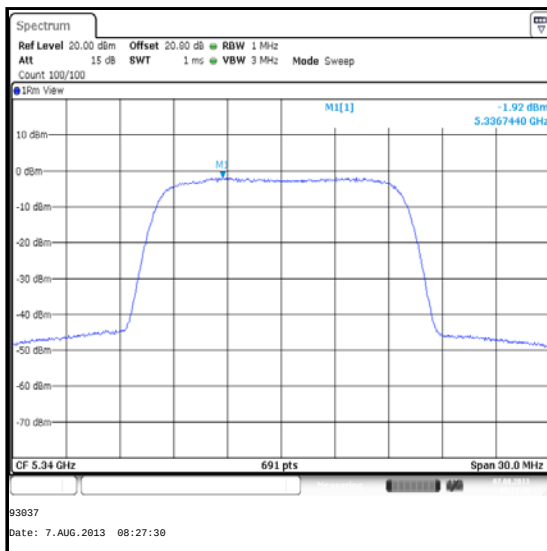
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-2.3	-2.1	0.8	5.5	4.7	Complied
Middle	-1.7	-2.5	0.9	5.5	4.6	Complied
Top	-2.4	-2.0	0.8	5.5	4.7	Complied

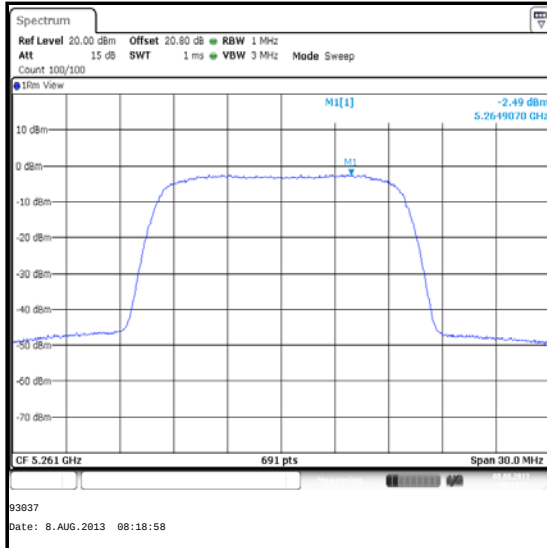
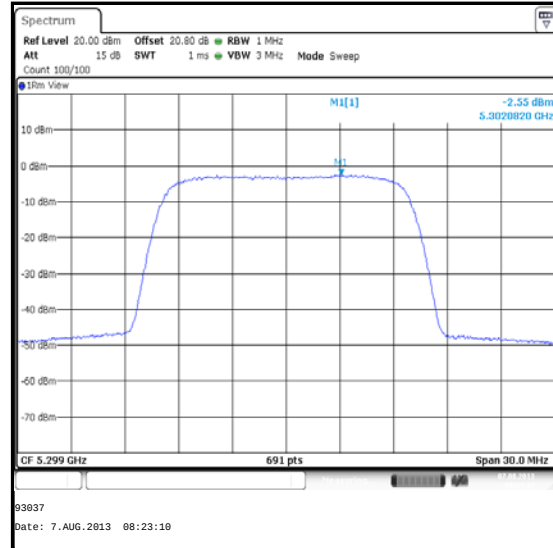
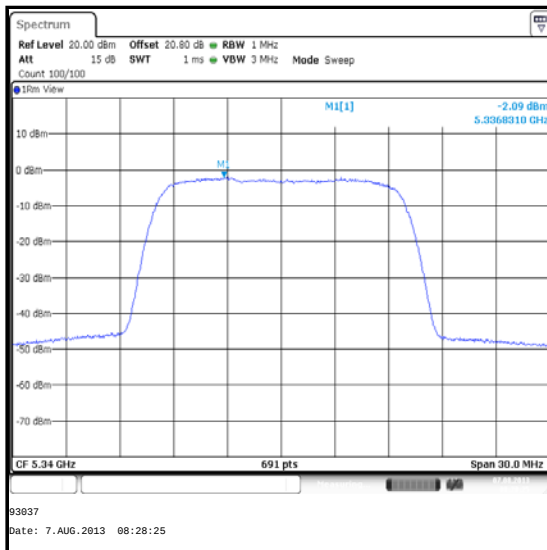
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / 256QAM**

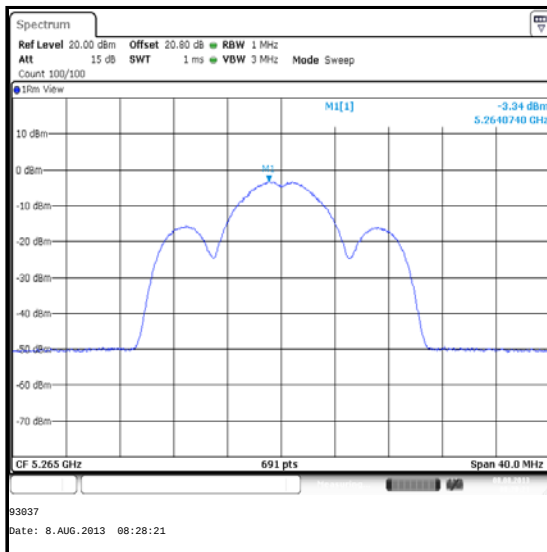
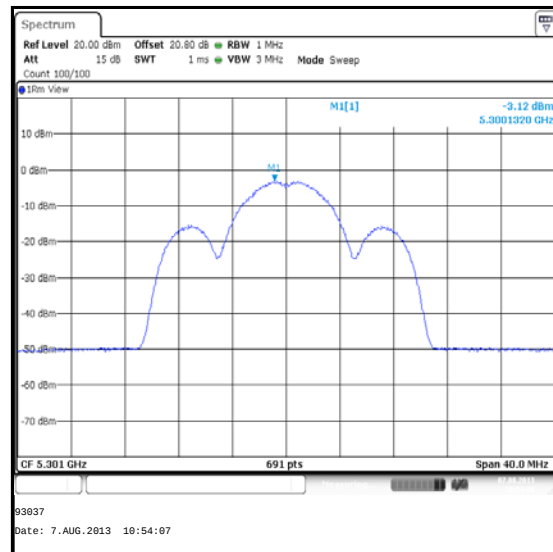
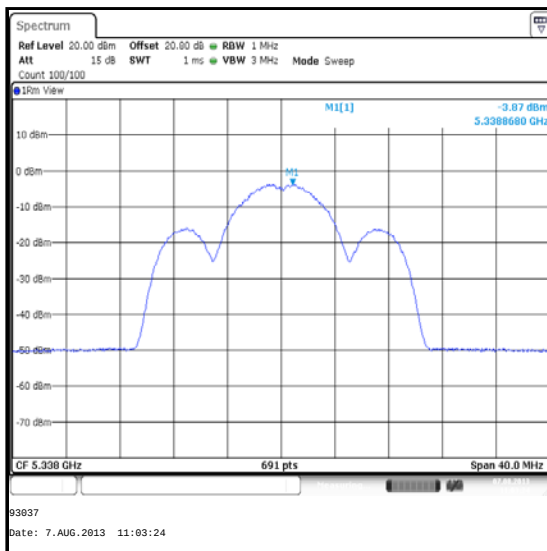
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-2.6	-2.5	0.5	5.5	5.0	Complied
Middle	-2.2	-2.6	0.6	5.5	4.9	Complied
Top	-1.9	-2.1	1.0	5.5	4.5	Complied

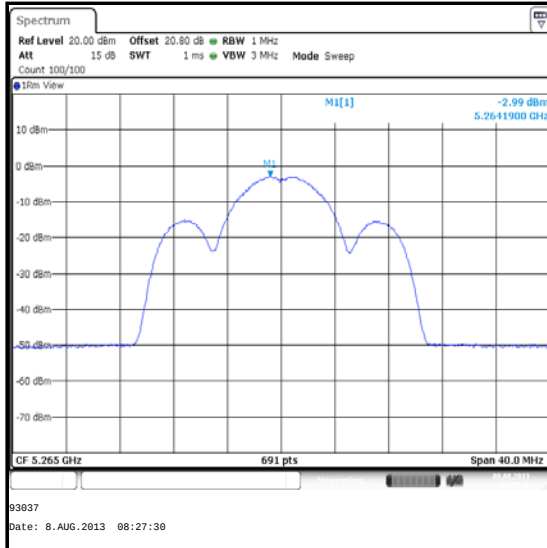
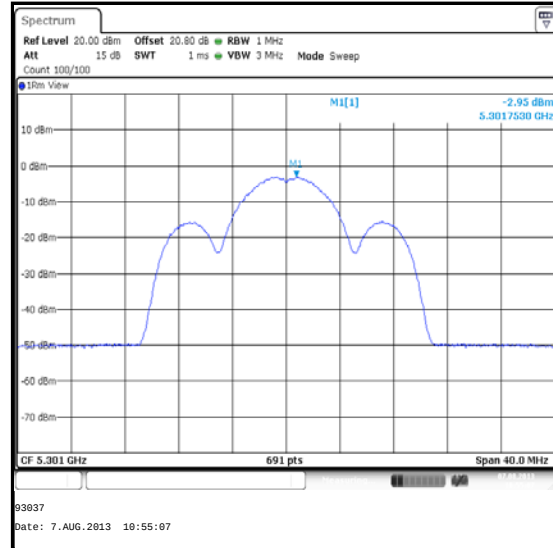
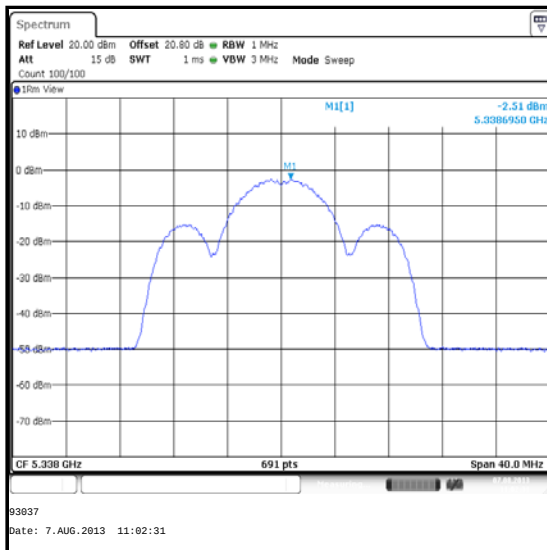
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / ACQ**

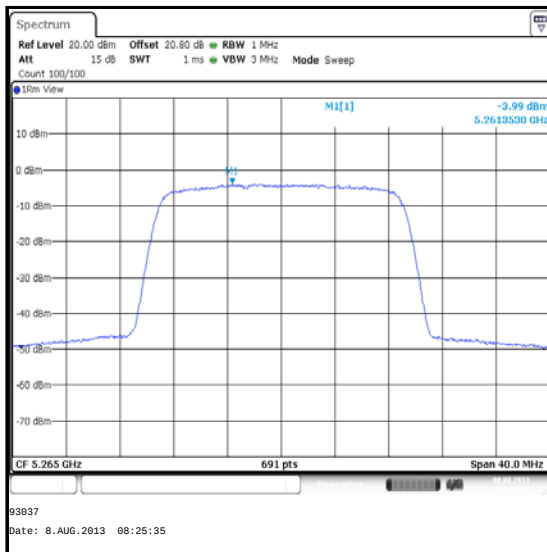
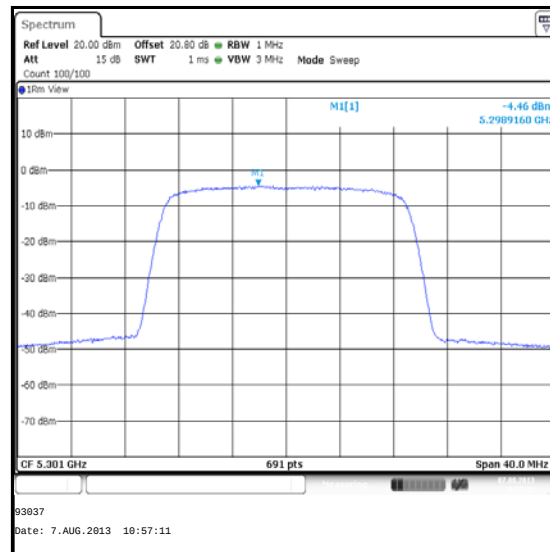
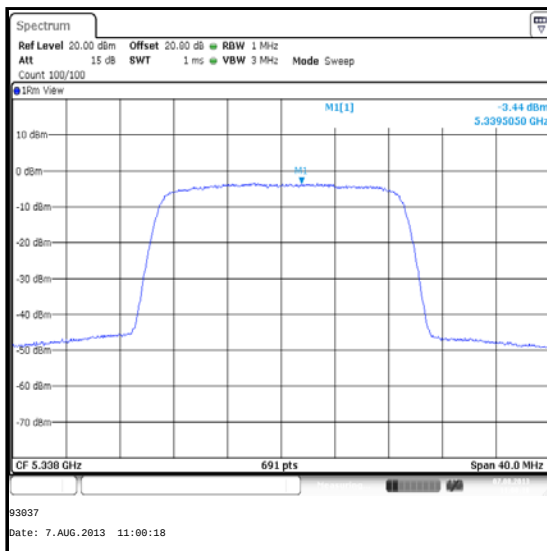
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-3.3	-3.0	-0.1	5.5	5.6	Complied
Middle	-3.1	-3.0	0.0	5.5	5.5	Complied
Top	-3.9	-2.5	-0.1	5.5	5.6	Complied

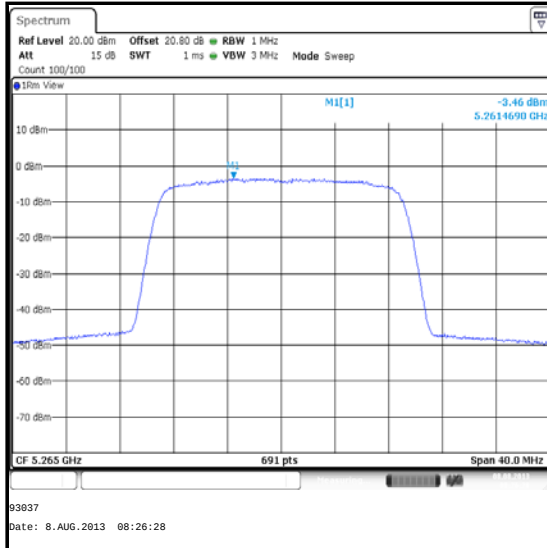
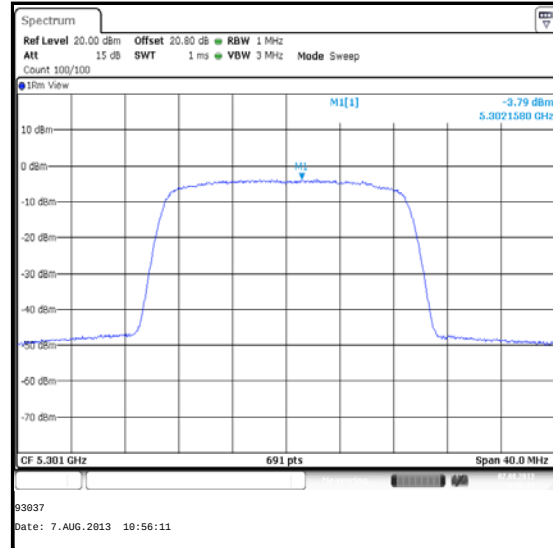
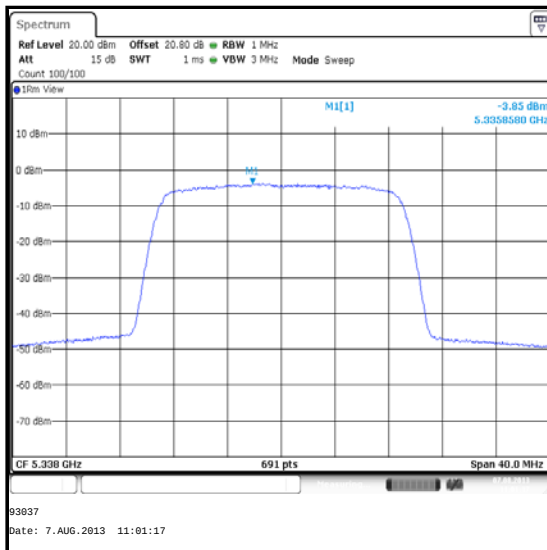
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / 256QAM**

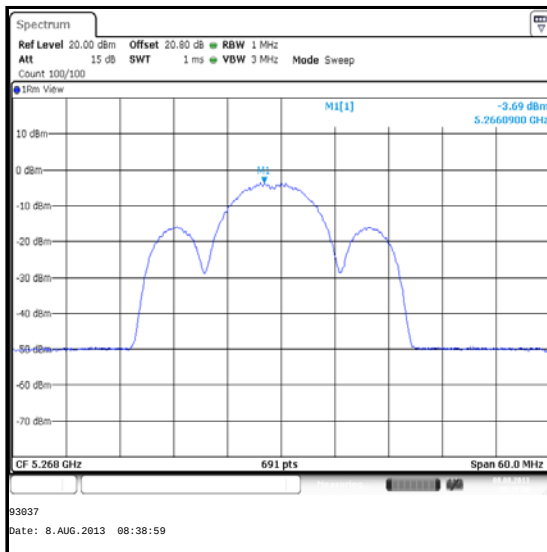
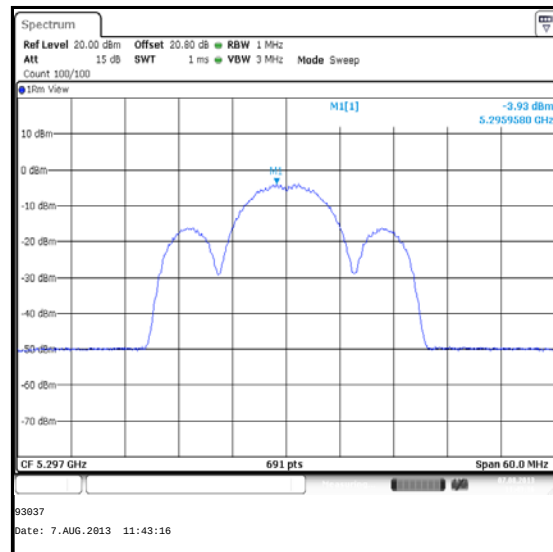
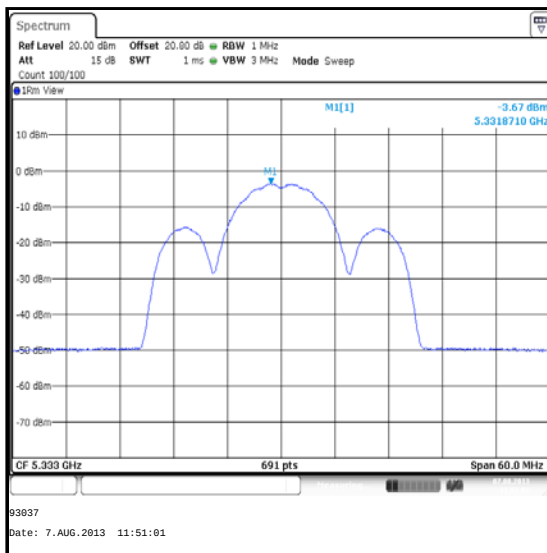
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-4.0	-3.5	-0.7	5.5	-0.7	Complied
Middle	-4.5	-3.8	-1.1	5.5	6.6	Complied
Top	-3.4	-3.9	-0.6	5.5	6.1	Complied

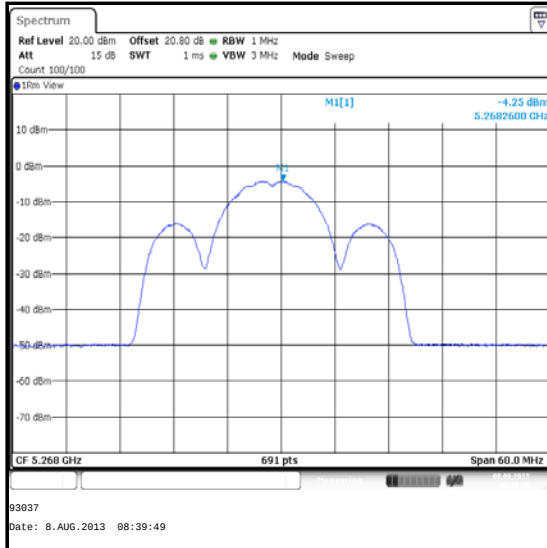
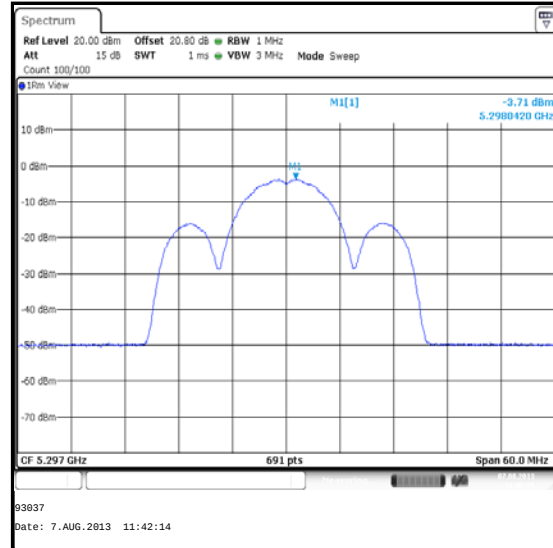
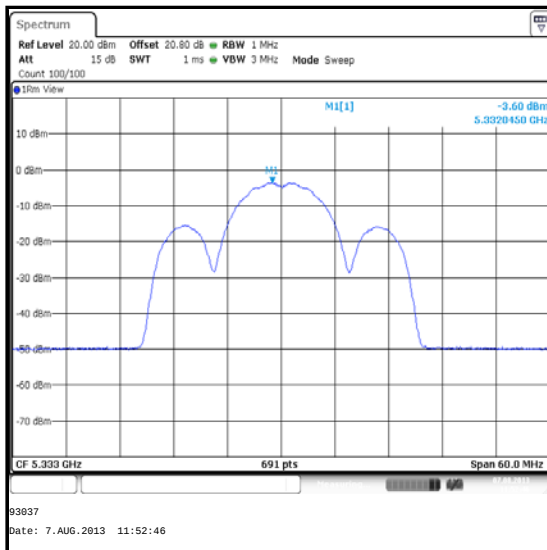
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / ACQ**

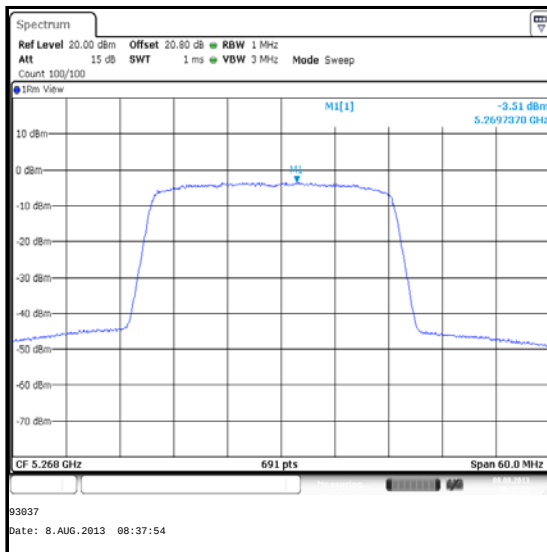
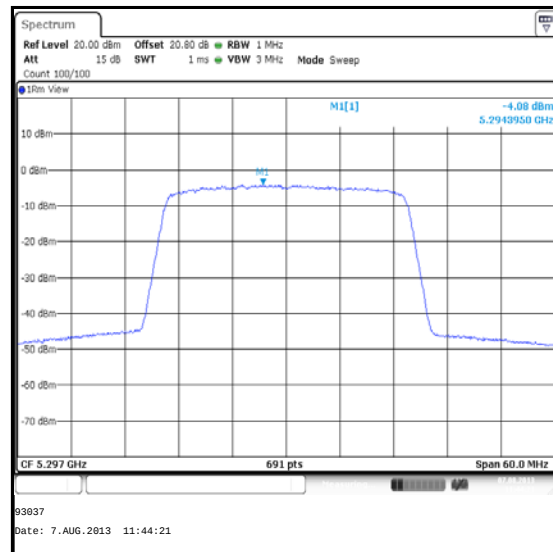
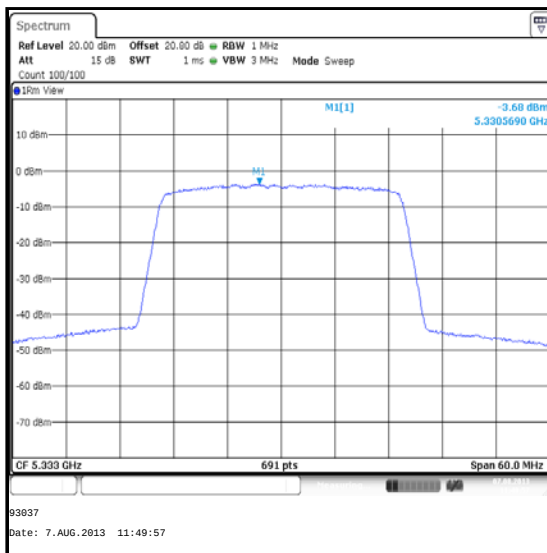
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-3.7	-4.3	-1.0	5.5	6.5	Complied
Middle	-3.9	-3.7	-0.8	5.5	6.3	Complied
Top	-3.7	-3.6	-0.6	5.5	6.1	Complied

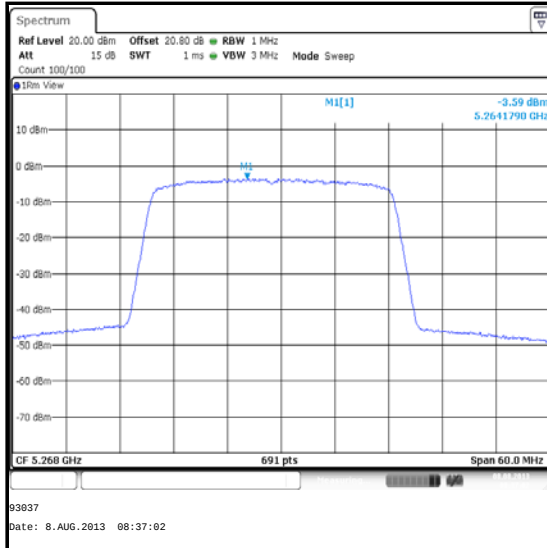
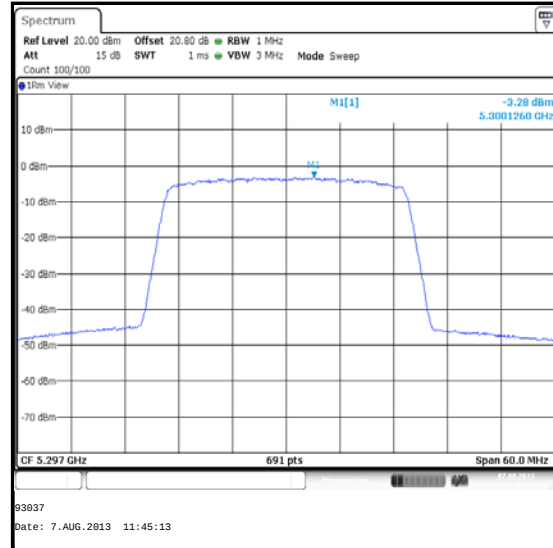
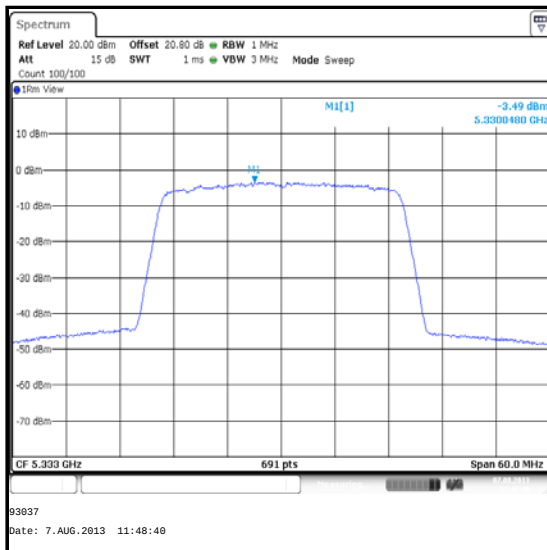
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / 256QAM**

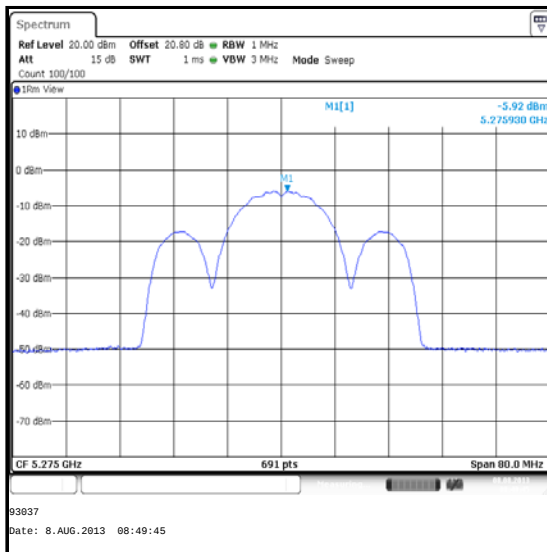
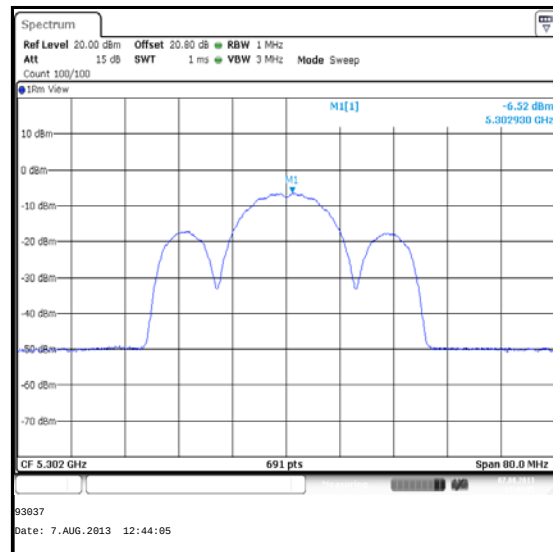
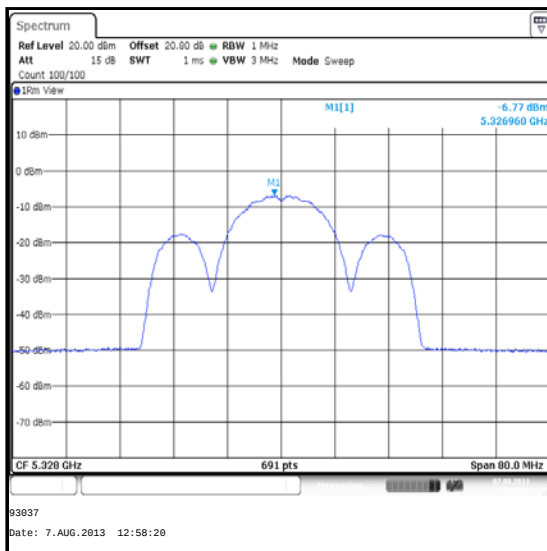
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-3.5	-3.6	-0.5	5.5	6.0	Complied
Middle	-4.1	-3.3	-0.7	5.5	6.2	Complied
Top	-3.7	-3.5	-0.5	5.5	6.0	Complied

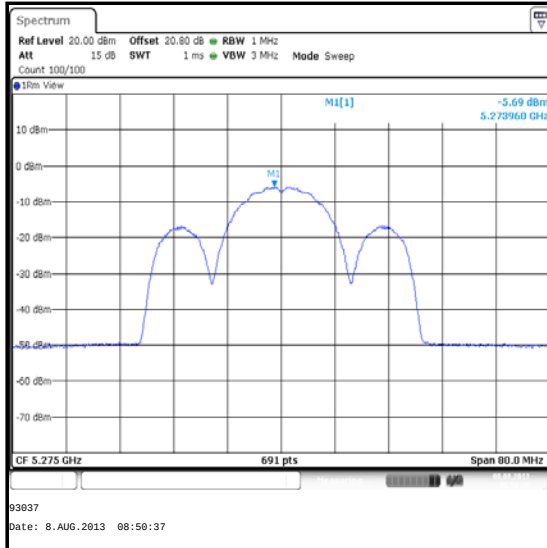
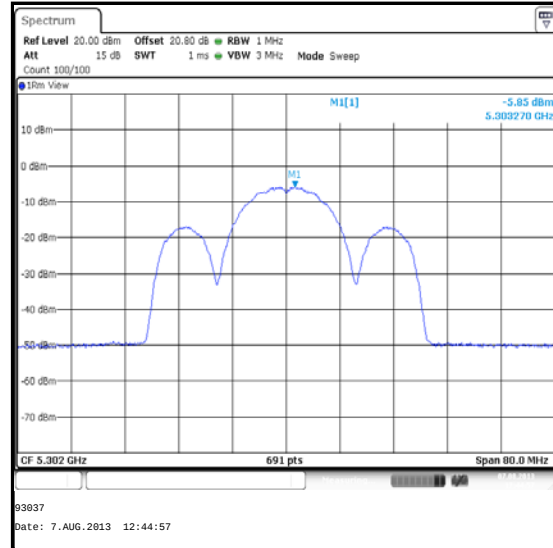
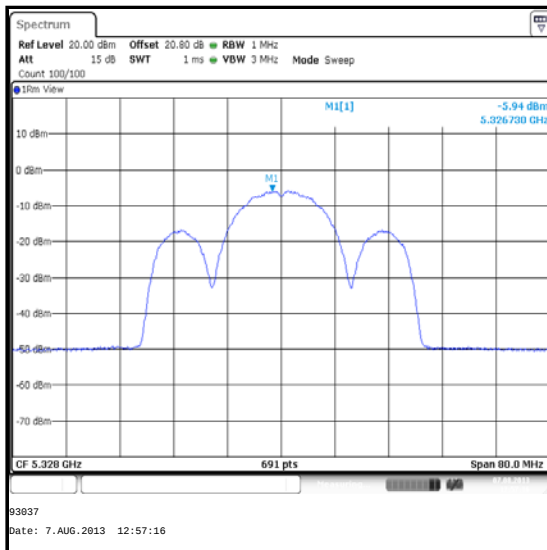
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / ACQ**

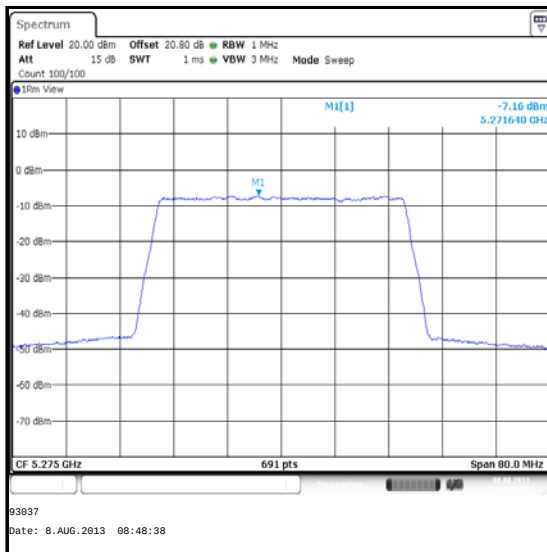
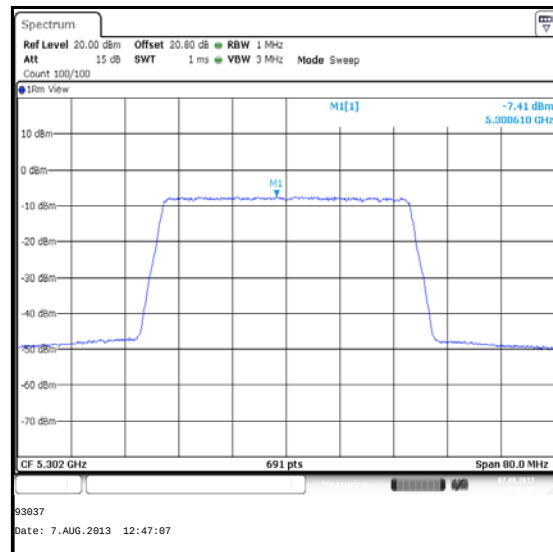
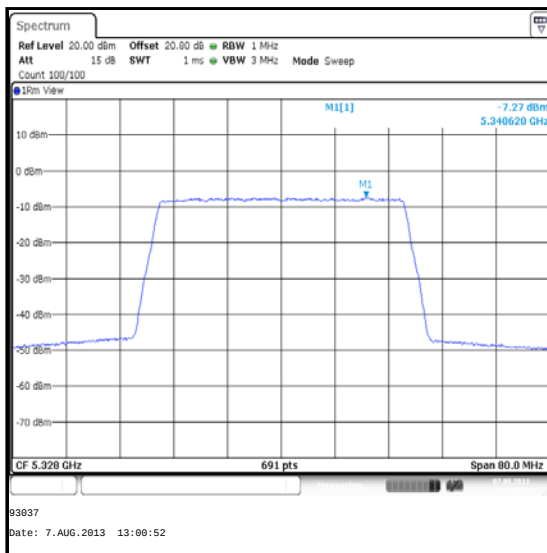
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-5.9	-5.7	-2.8	5.5	8.3	Complied
Middle	-6.5	-5.9	-3.2	5.5	8.7	Complied
Top	-6.8	-5.9	-3.3	5.5	8.8	Complied

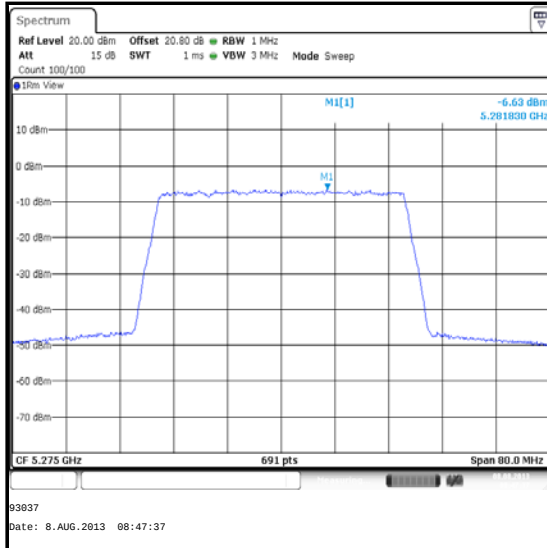
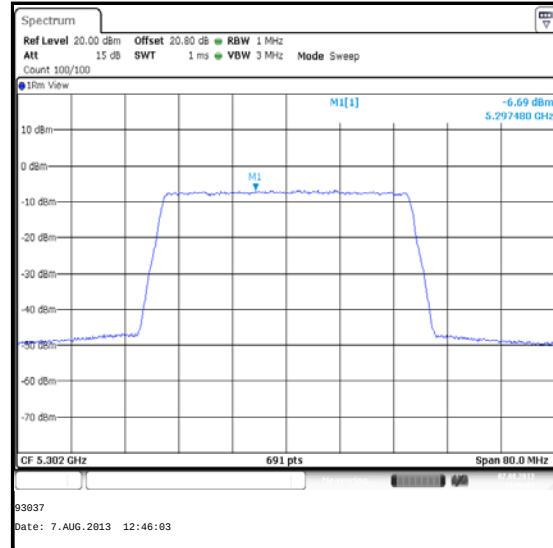
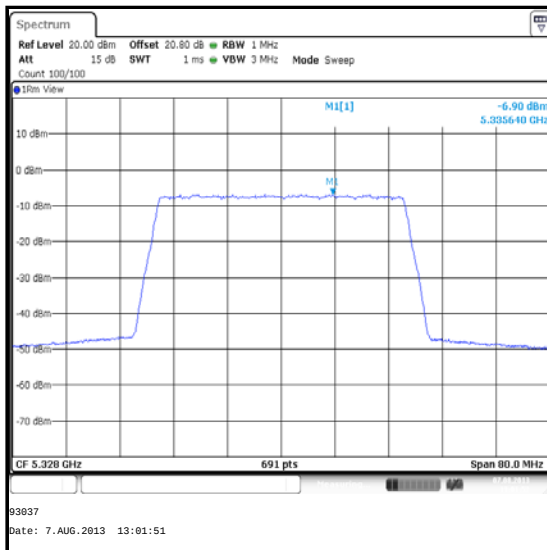
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / 256QAM**

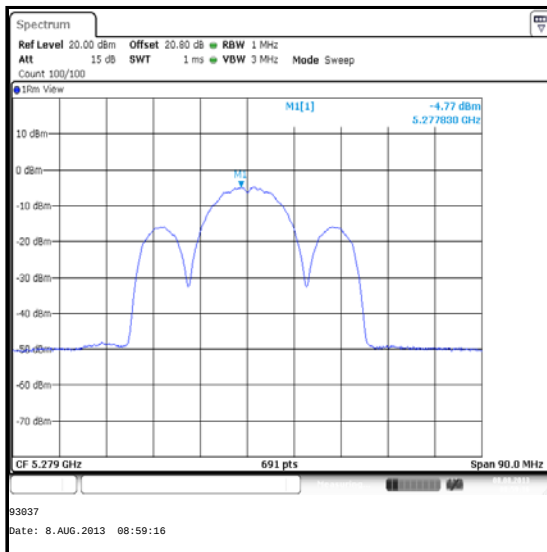
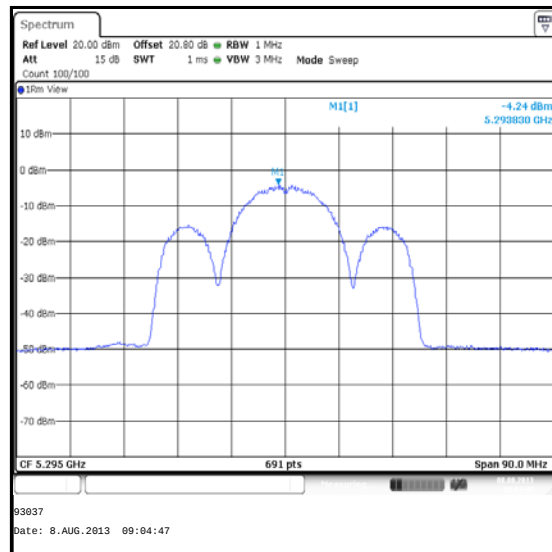
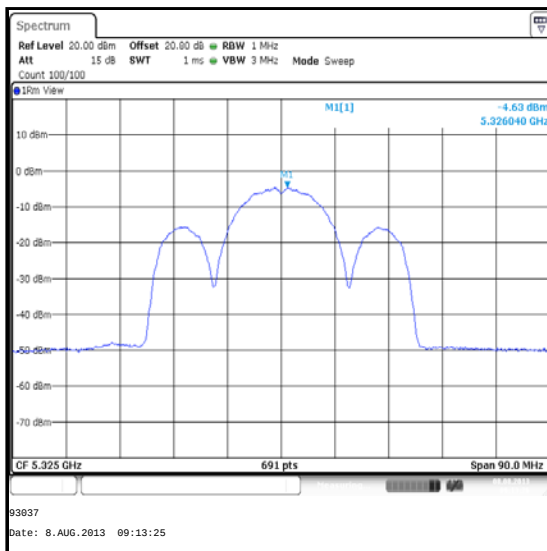
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-7.2	-6.6	-3.9	5.5	9.4	Complied
Middle	-7.4	-6.7	-4.0	5.5	9.5	Complied
Top	-7.3	-6.9	-4.1	5.5	9.6	Complied

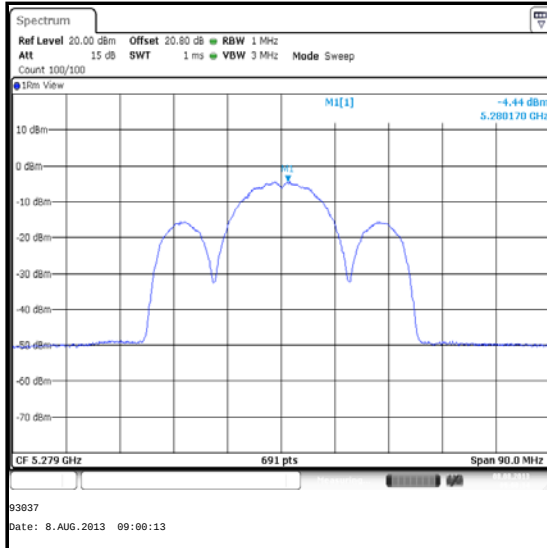
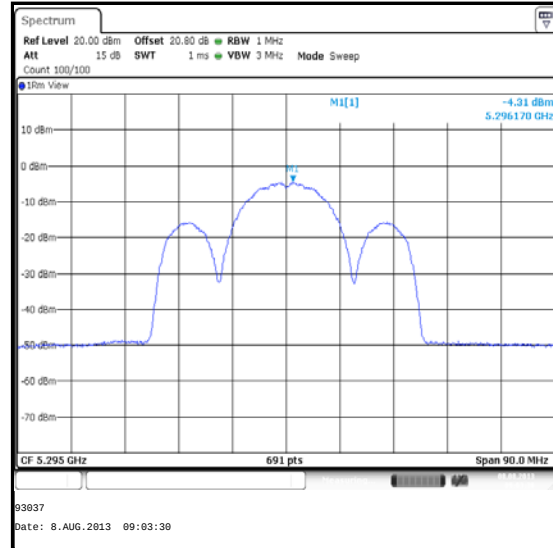
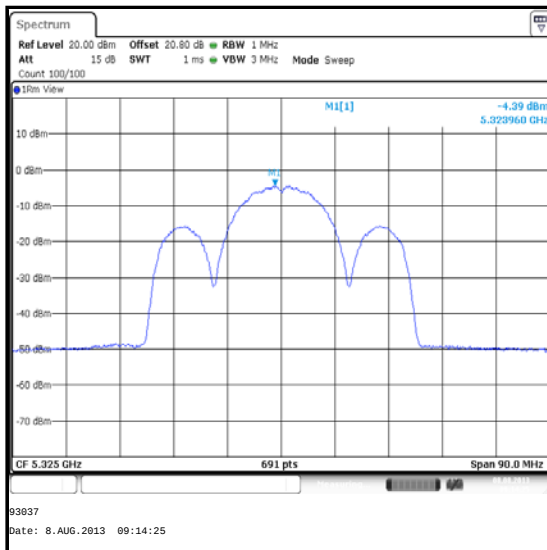
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / ACQ**

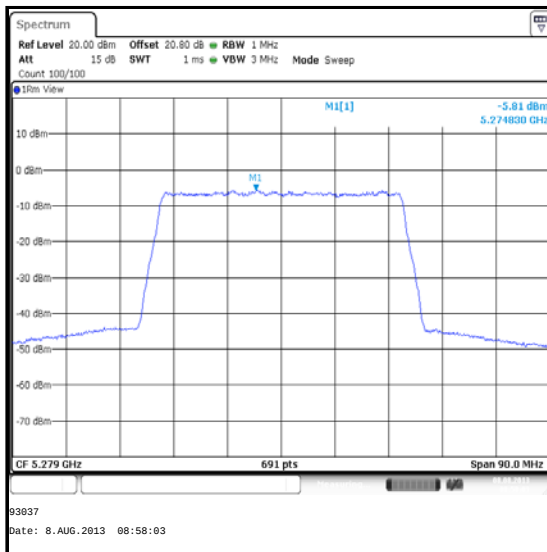
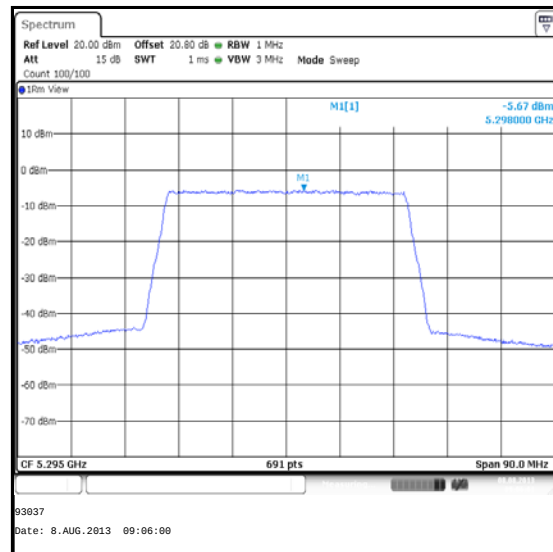
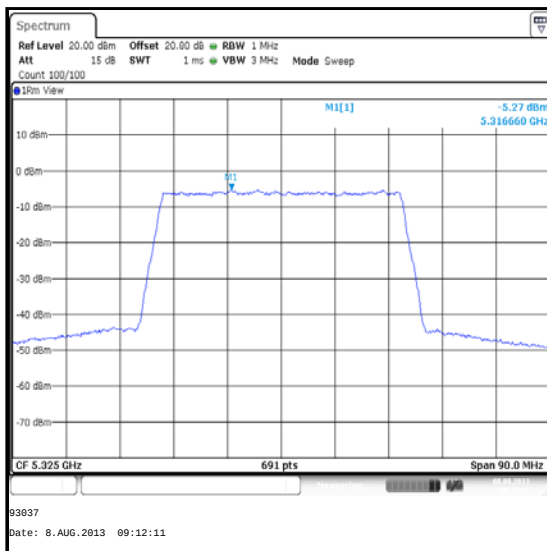
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-4.8	-4.4	-1.6	5.5	7.1	Complied
Middle	-4.2	-4.3	-1.2	5.5	6.7	Complied
Top	-4.6	-4.4	-1.5	5.5	7.0	Complied

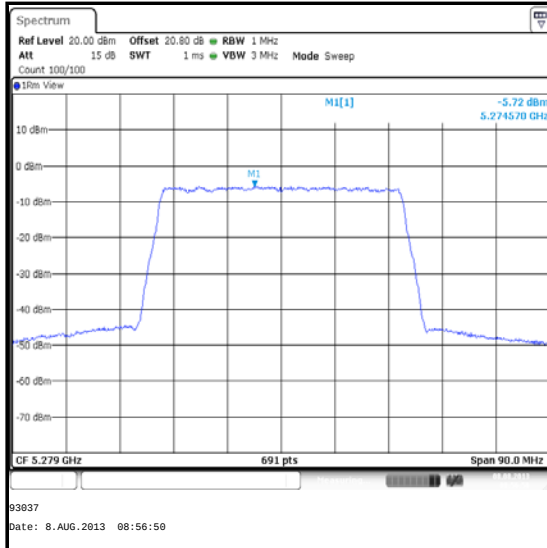
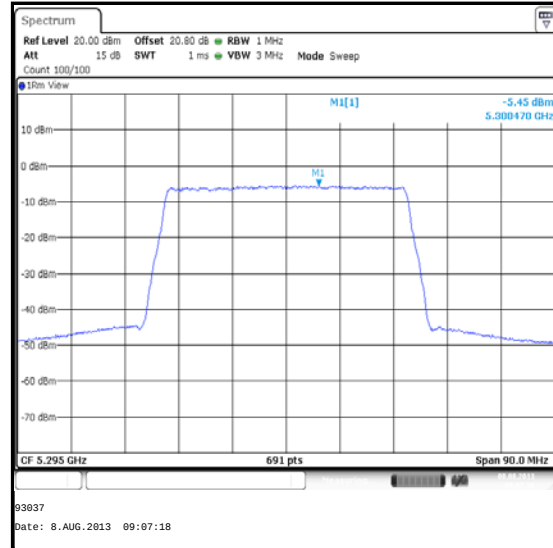
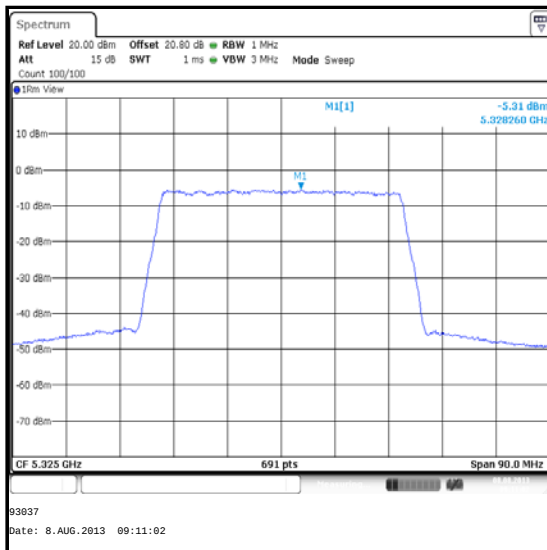
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / 256QAM**

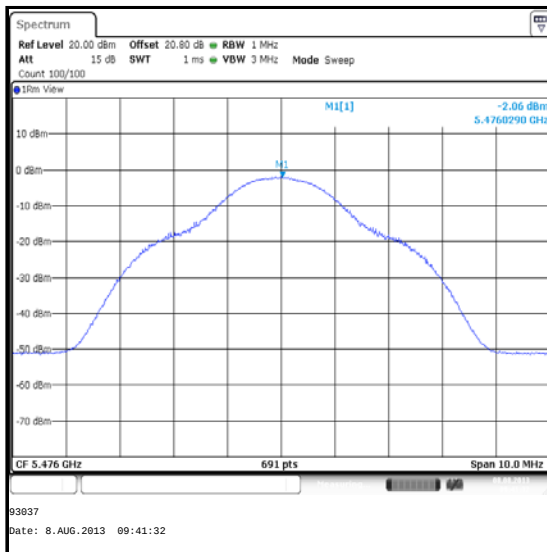
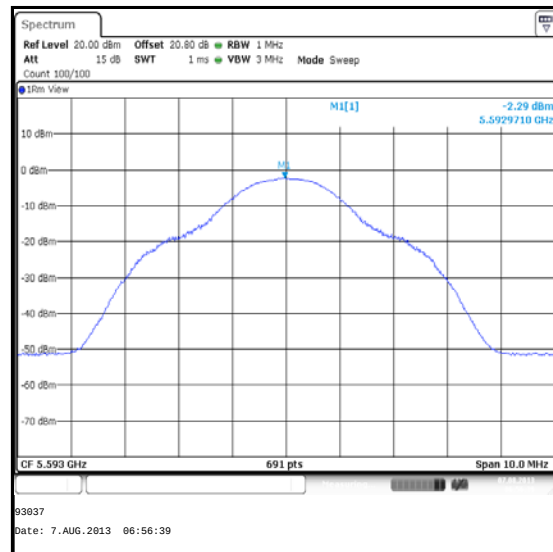
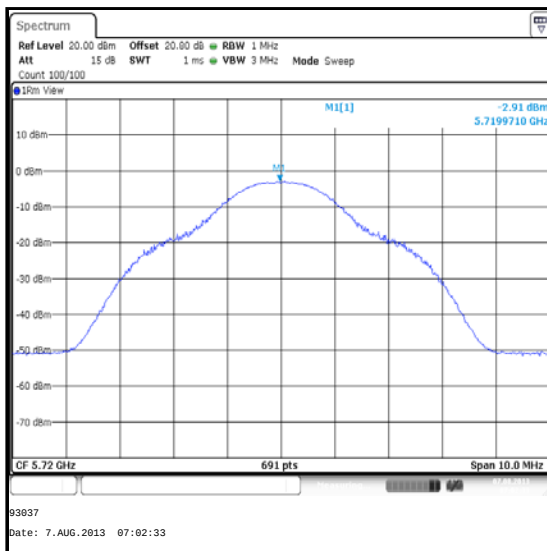
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-5.8	-5.7	-2.7	5.5	8.2	Complied
Middle	-5.7	-5.5	-2.6	5.5	8.1	Complied
Top	-5.3	-5.3	-2.3	5.5	7.8	Complied

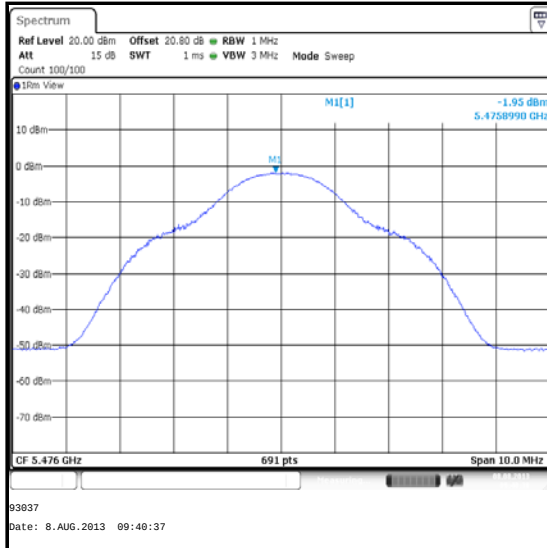
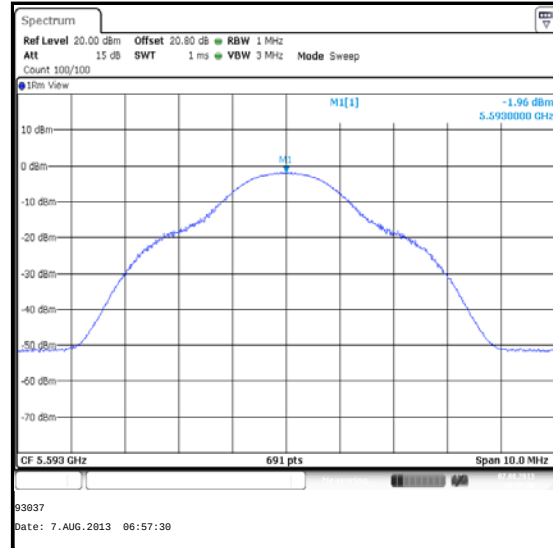
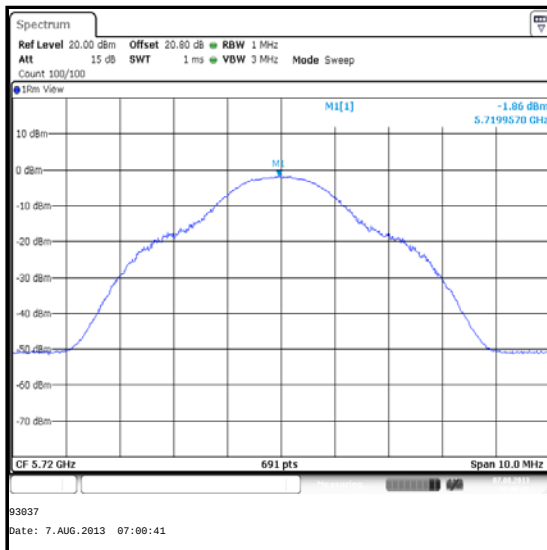
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band)**Results: Omnidirectional Antenna / 5 MHz Channel / ACQ**

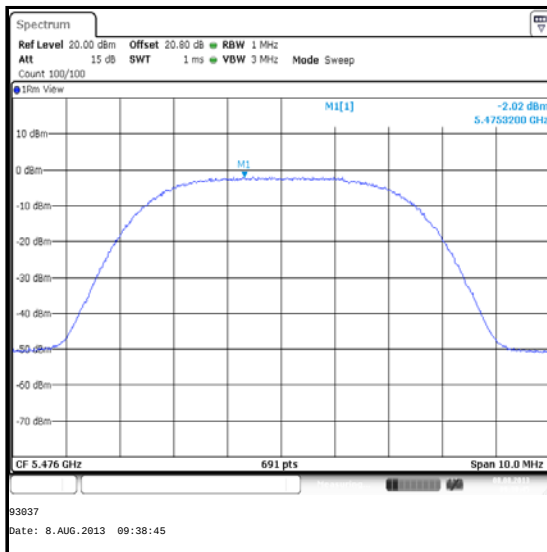
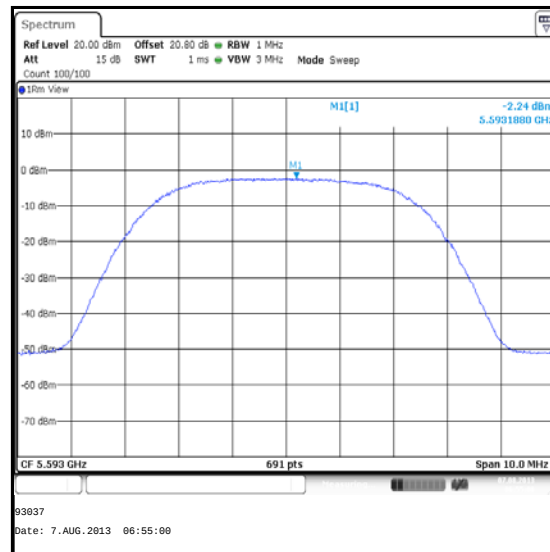
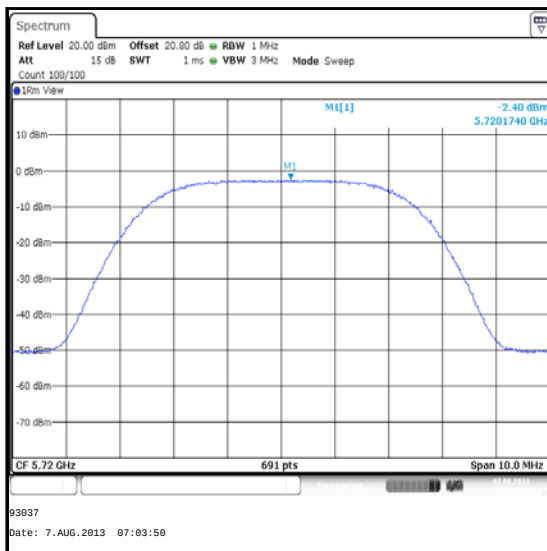
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-2.1	-2.0	1.0	5.5	4.5	Complied
Middle	-2.3	-2.0	0.9	5.5	4.6	Complied
Top	-2.9	-1.9	0.6	5.5	4.9	Complied

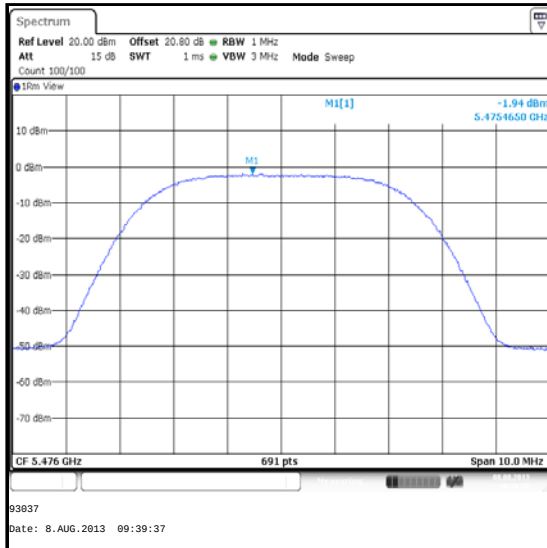
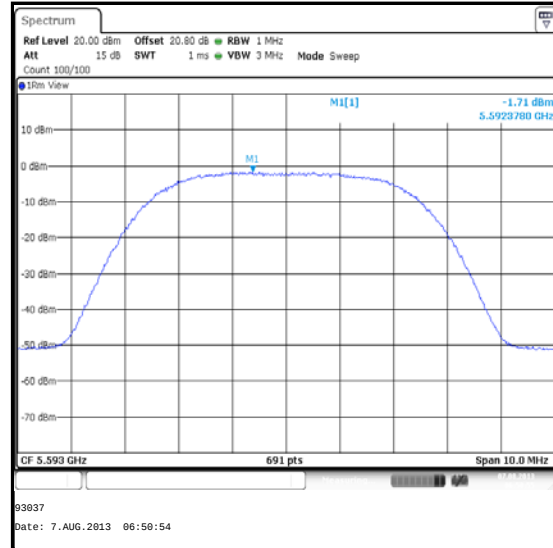
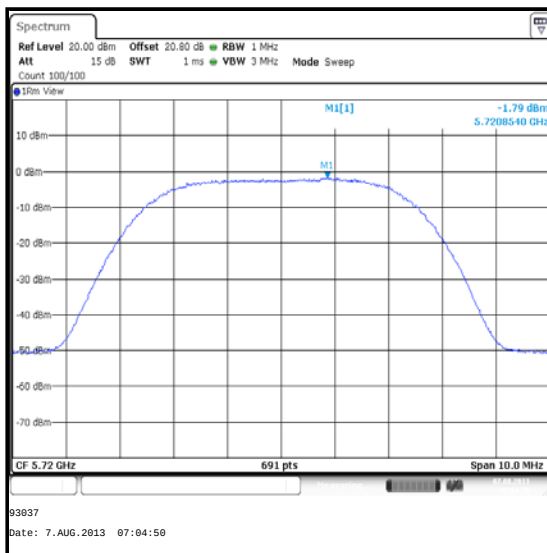
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / 256QAM**

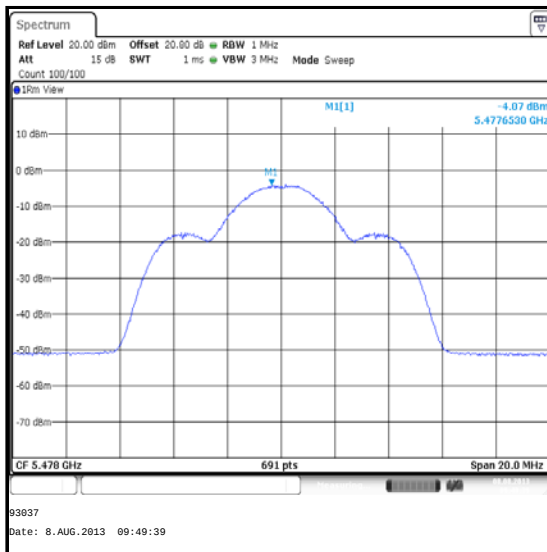
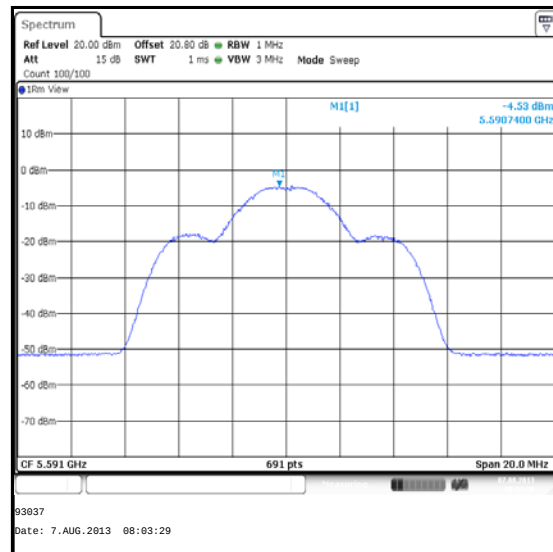
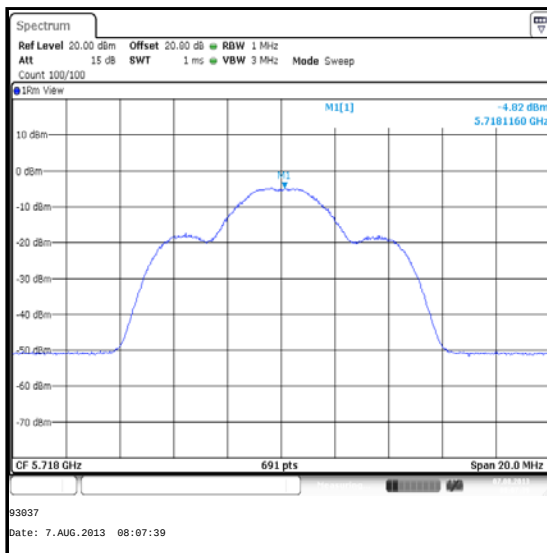
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-2.0	-1.9	1.1	5.5	4.4	Complied
Middle	-2.2	-1.7	1.1	5.5	4.4	Complied
Top	-2.4	-1.8	0.9	5.5	4.6	Complied

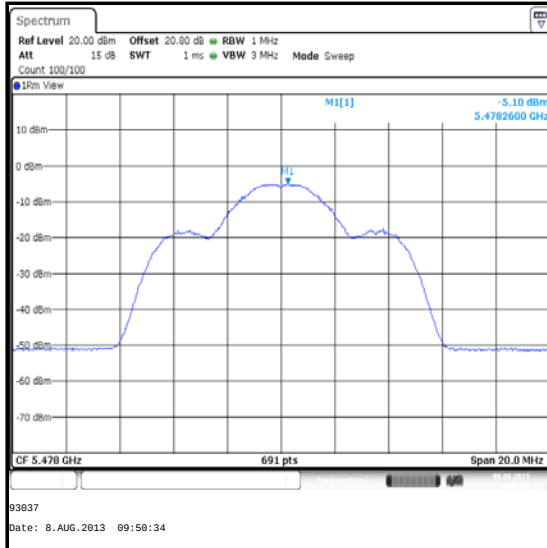
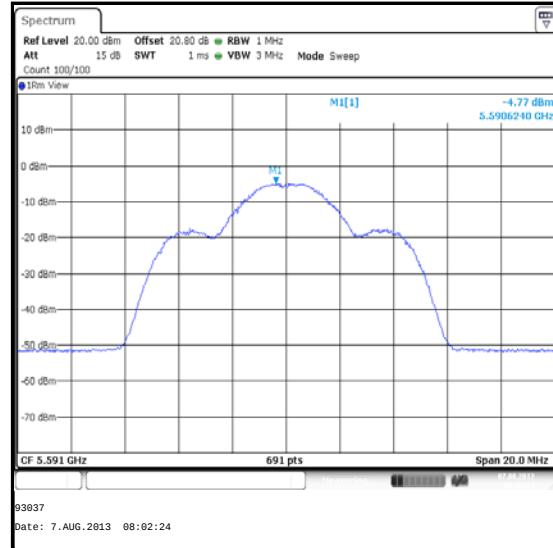
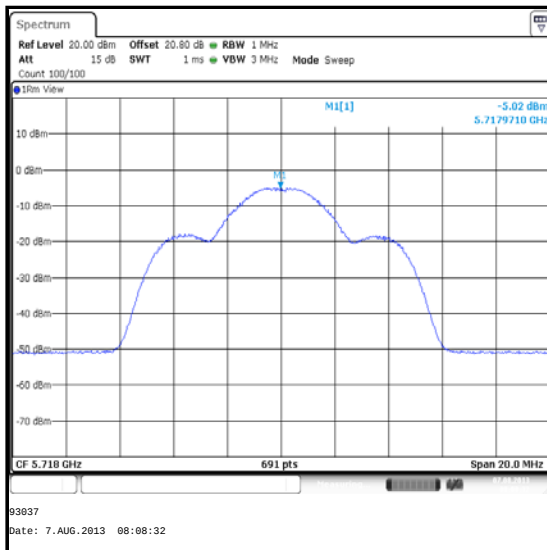
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 5 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / ACQ**

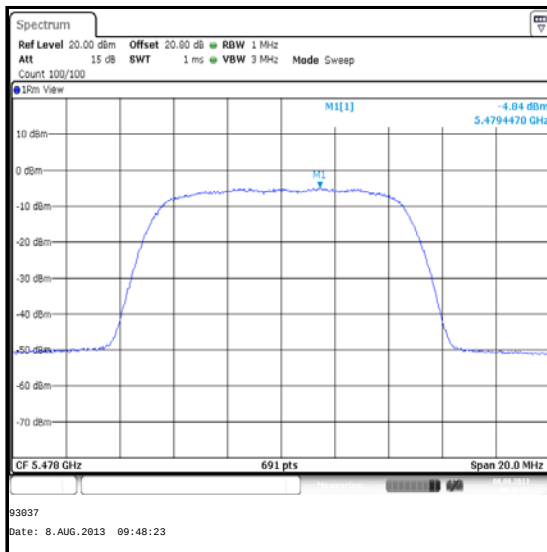
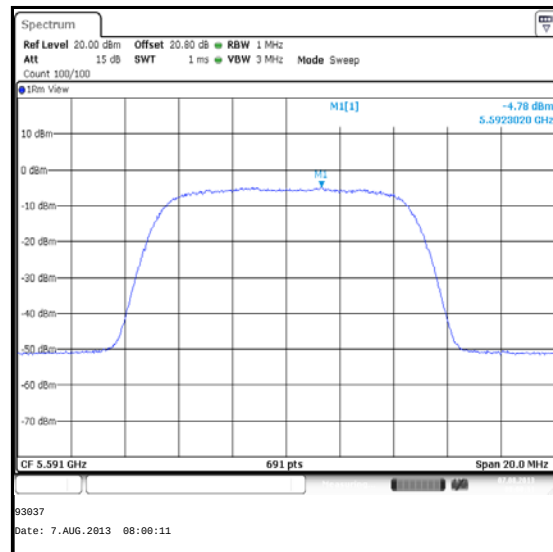
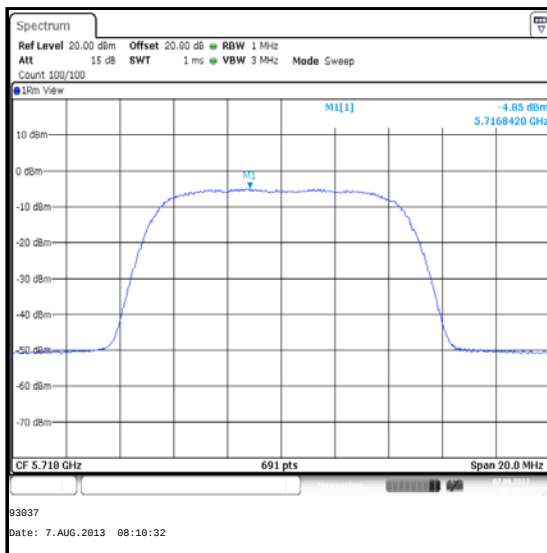
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-4.1	-5.1	-1.6	5.5	7.1	Complied
Middle	-4.5	-4.8	-1.6	5.5	7.1	Complied
Top	-4.8	-5.0	-1.9	5.5	7.4	Complied

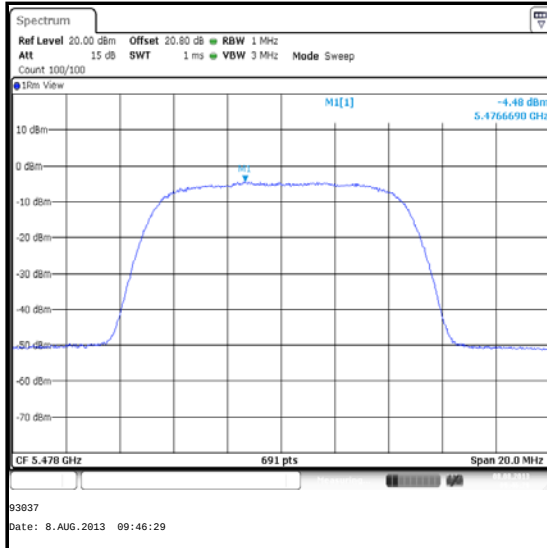
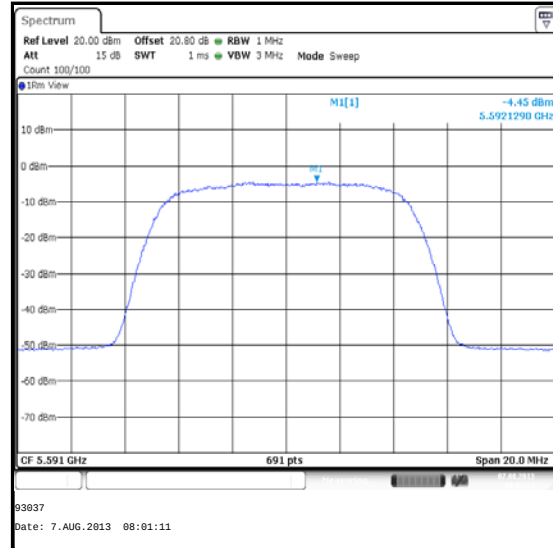
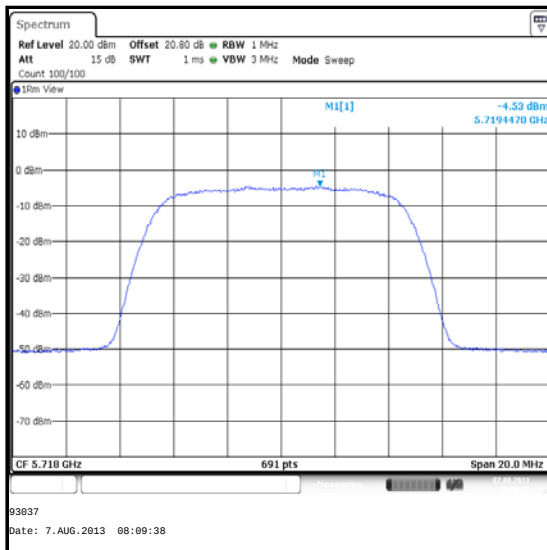
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / 256QAM**

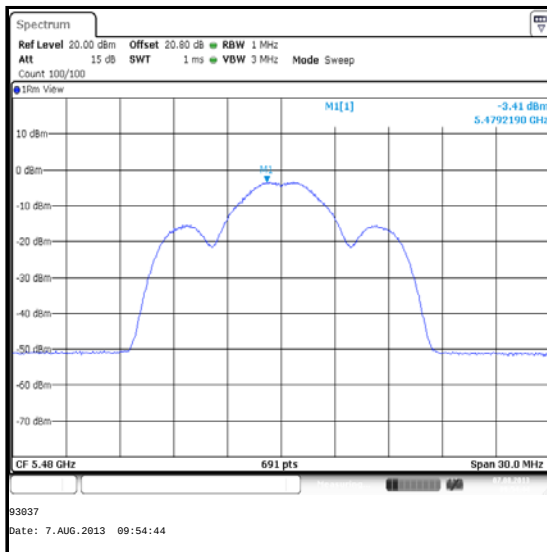
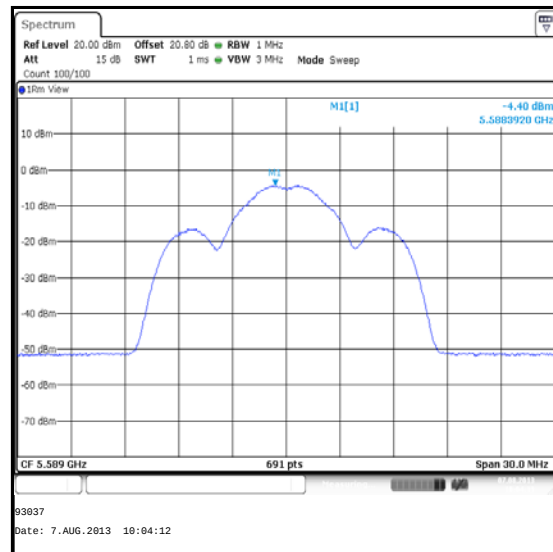
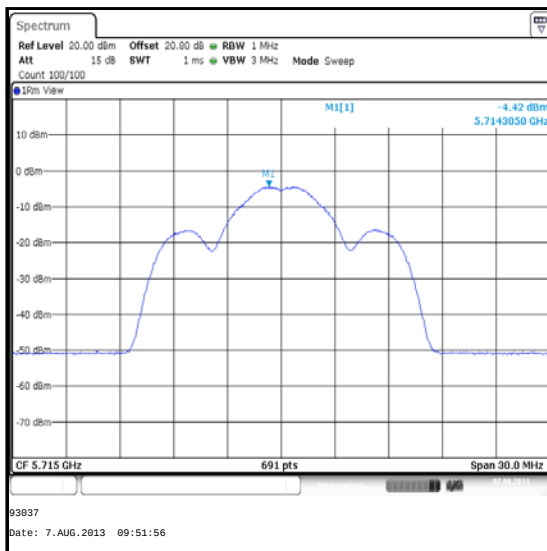
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-4.8	-4.5	-1.6	5.5	7.1	Complied
Middle	-4.8	-4.5	-1.6	5.5	7.1	Complied
Top	-4.8	-4.5	-1.6	5.5	7.1	Complied

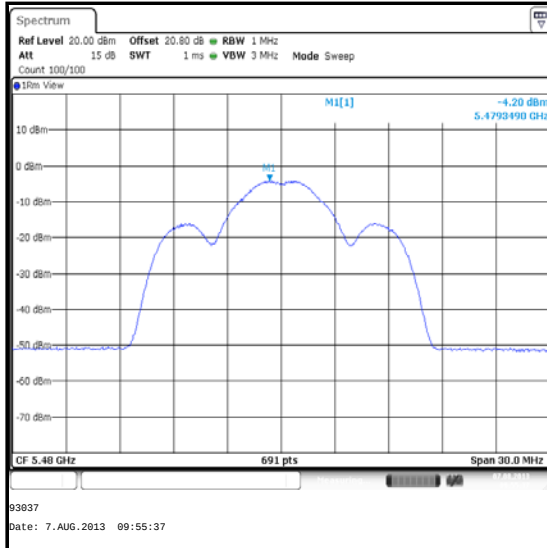
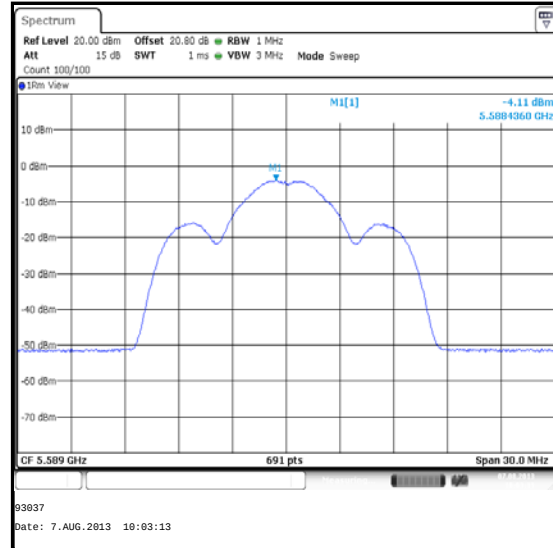
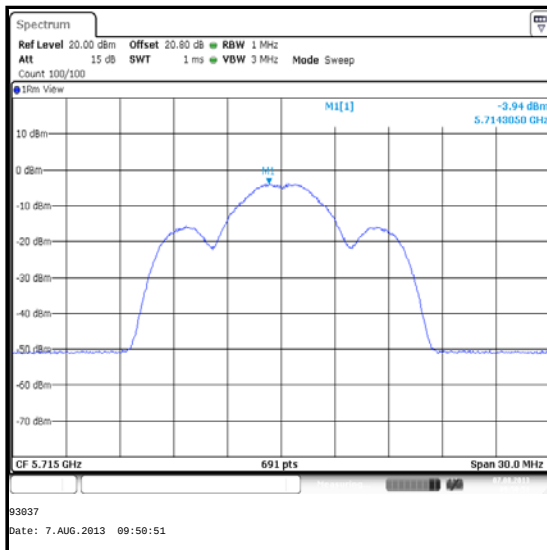
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 10 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / ACQ**

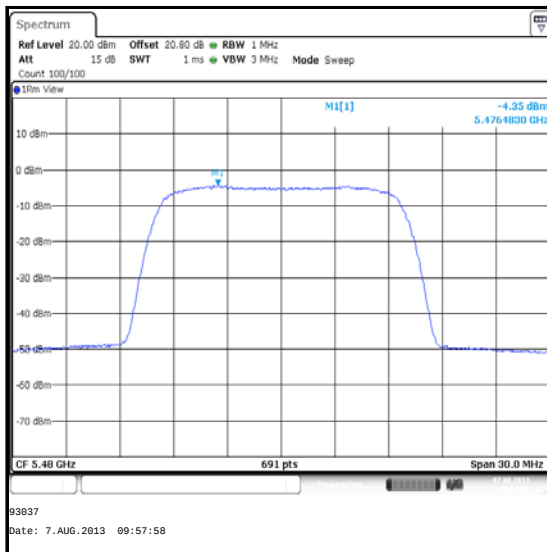
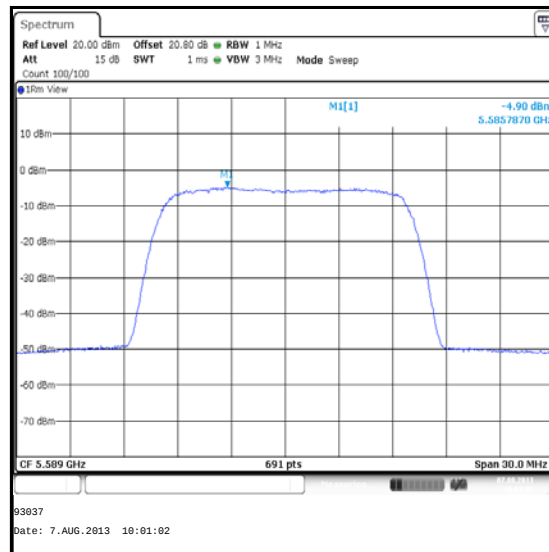
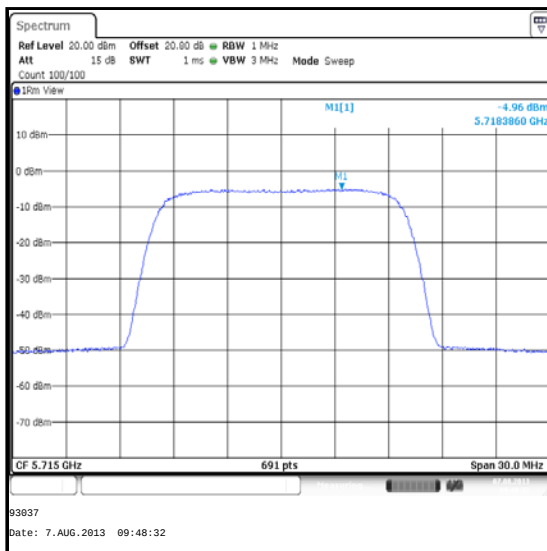
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-3.4	-4.2	-0.8	5.5	6.3	Complied
Middle	-4.4	-4.1	-1.2	5.5	6.7	Complied
Top	-4.4	-3.9	-1.1	5.5	6.6	Complied

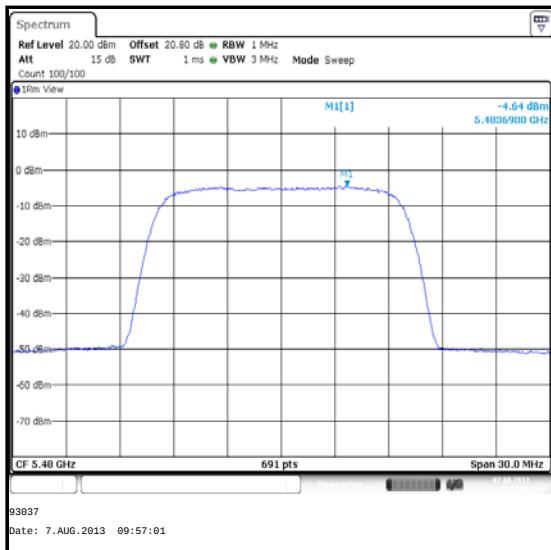
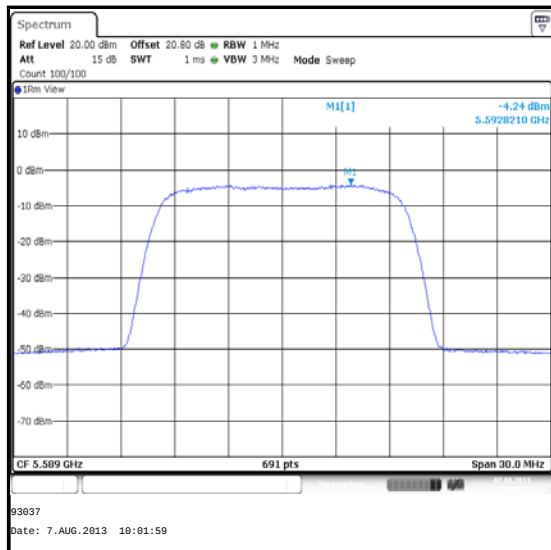
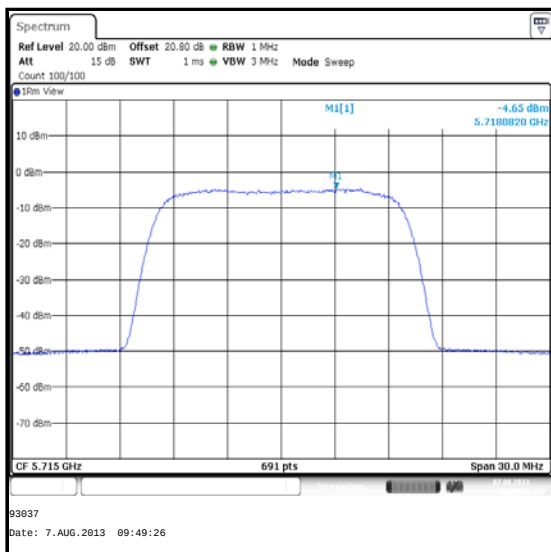
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / 256QAM**

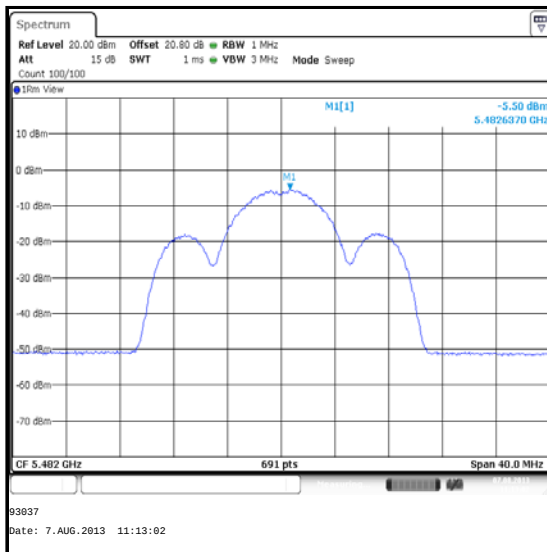
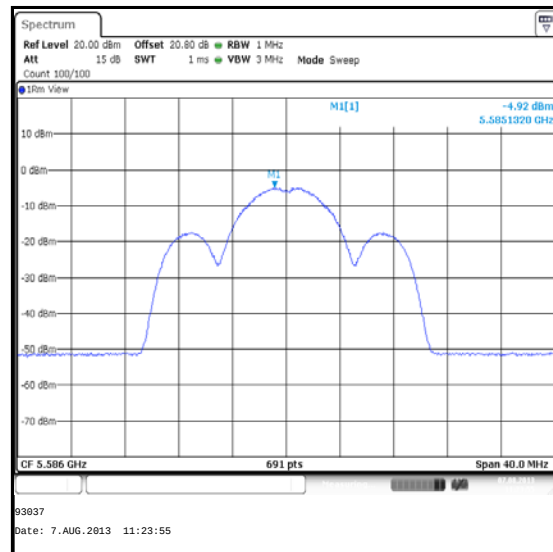
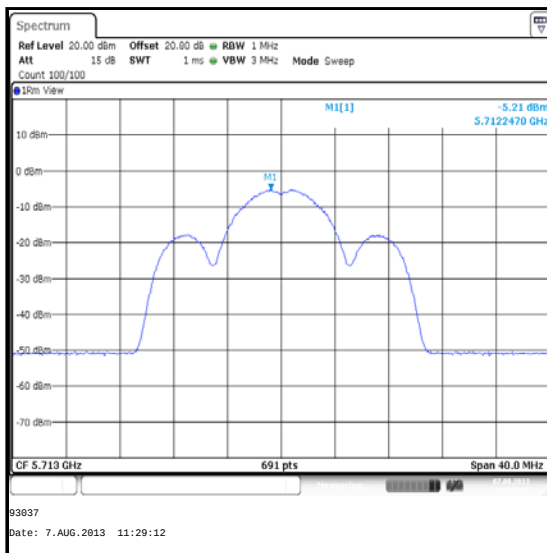
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-4.4	-4.6	-1.5	5.5	7.0	Complied
Middle	-4.9	-4.2	-1.5	5.5	7.0	Complied
Top	-5.0	-4.7	-1.8	5.5	7.3	Complied

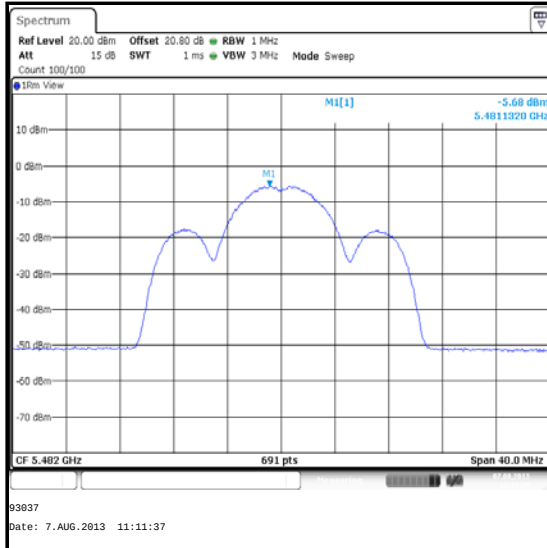
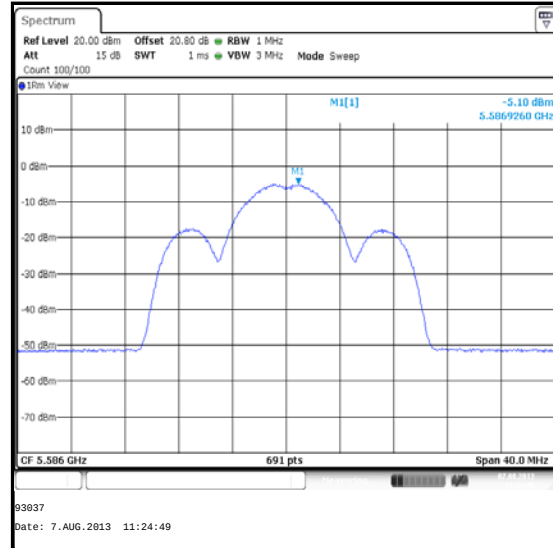
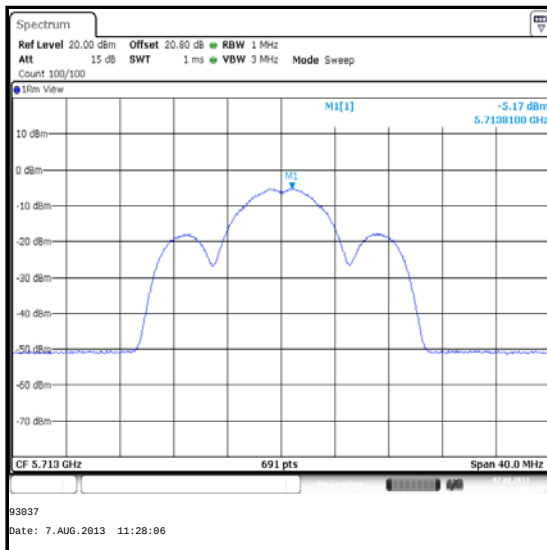
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 15 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / ACQ**

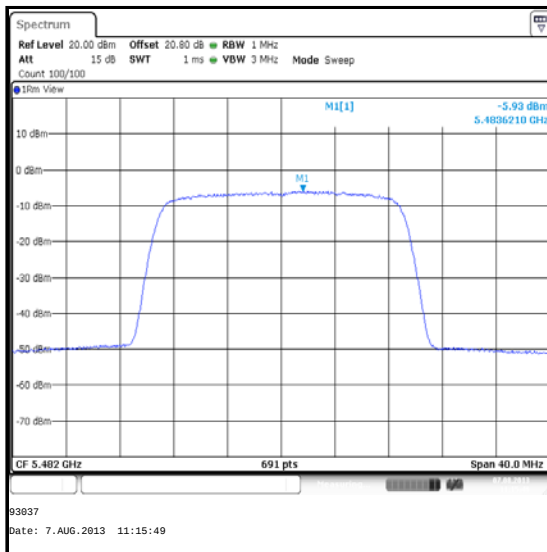
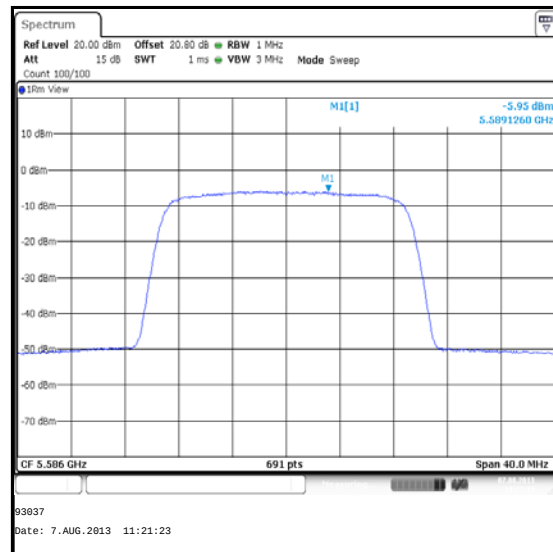
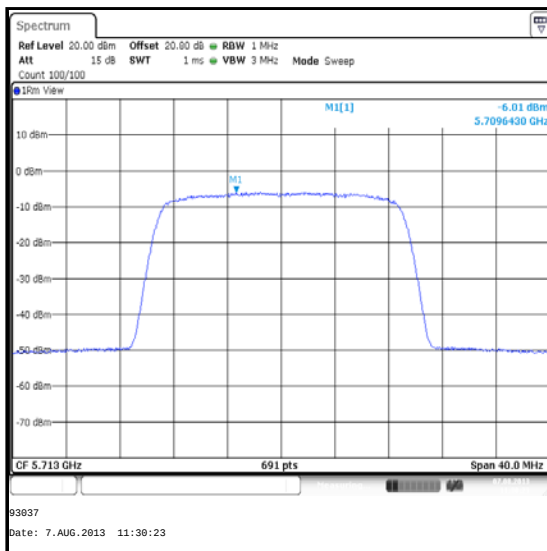
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-5.5	-5.7	-2.6	5.5	8.1	Complied
Middle	-4.9	-5.1	-2.0	5.5	7.5	Complied
Top	-5.2	-5.2	-2.2	5.5	7.7	Complied

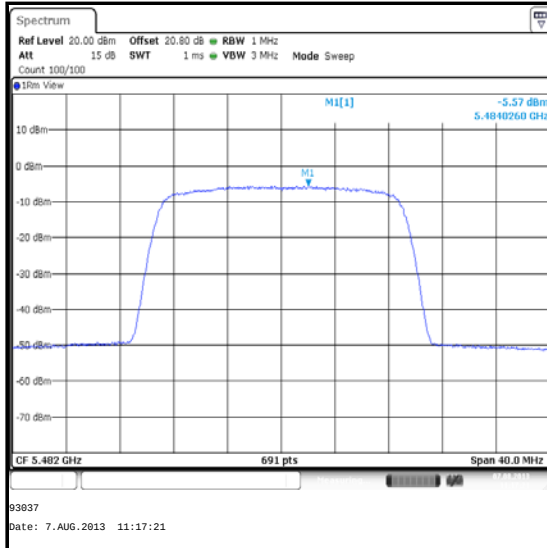
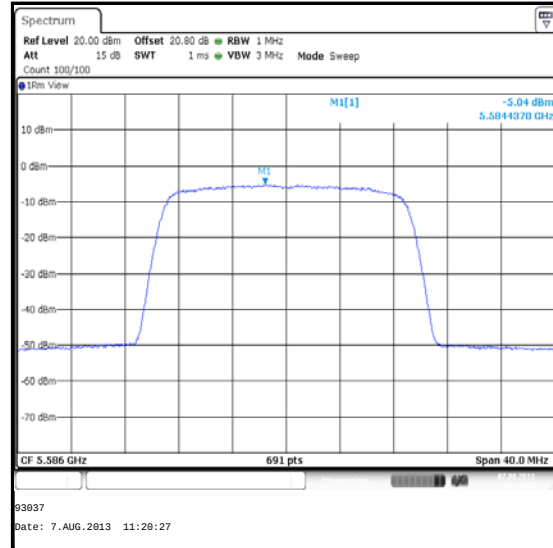
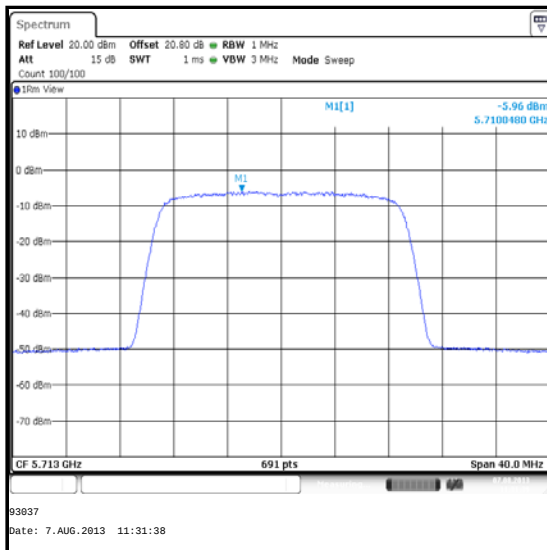
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / 256QAM**

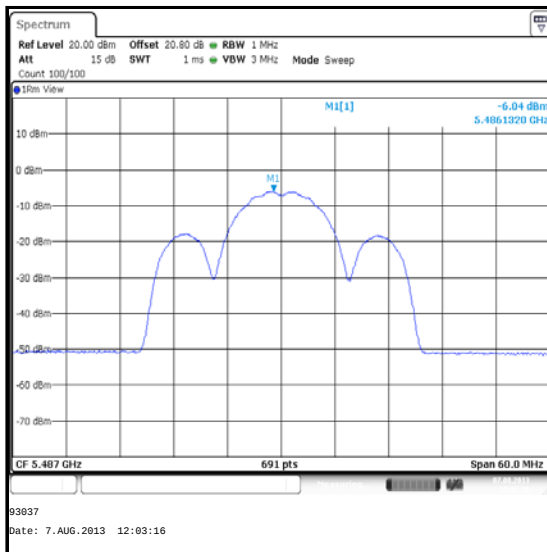
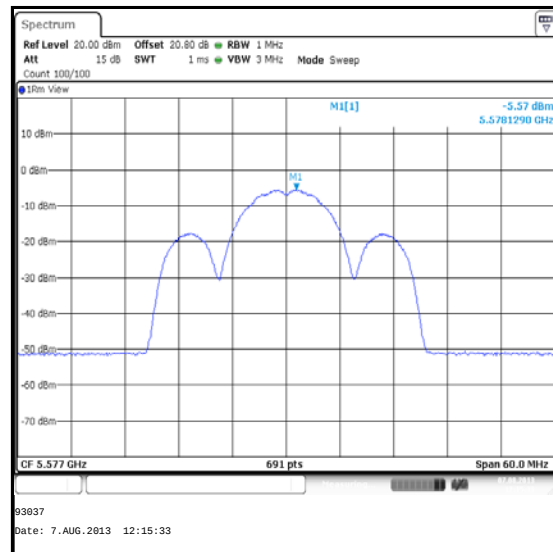
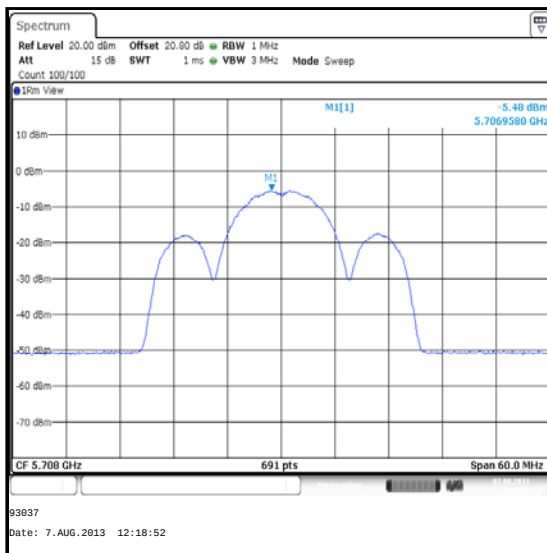
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-5.9	-5.6	-2.7	5.5	8.2	Complied
Middle	-6.0	-5.0	-2.5	5.5	8.0	Complied
Top	-6.0	-6.0	-3.0	5.5	8.5	Complied

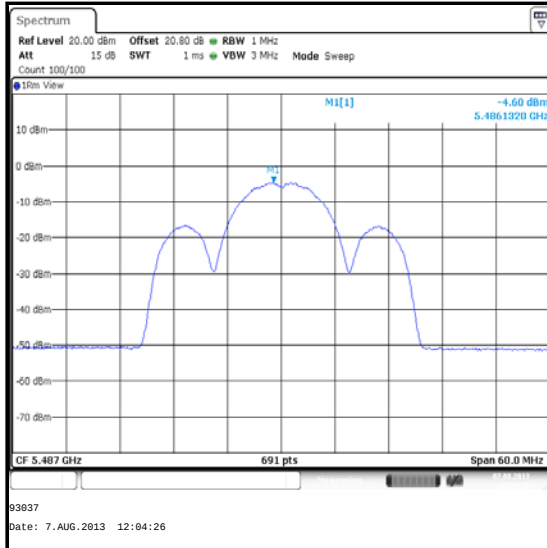
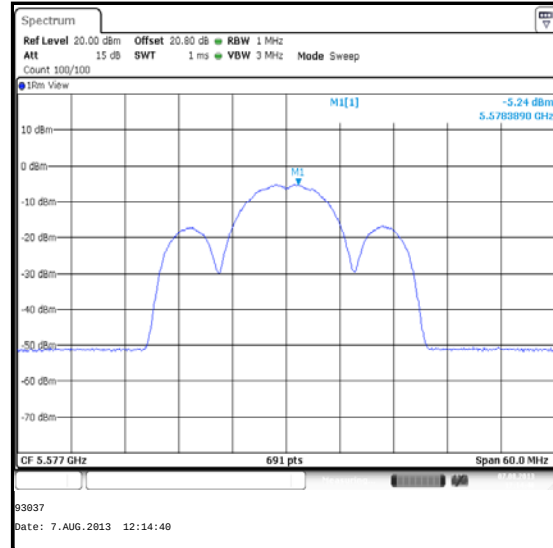
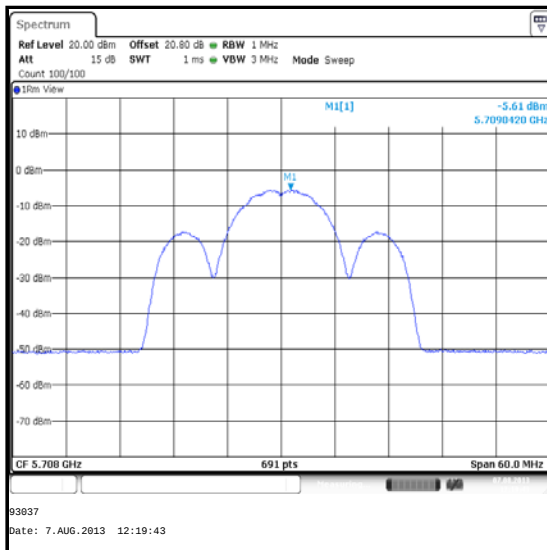
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 20 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / ACQ**

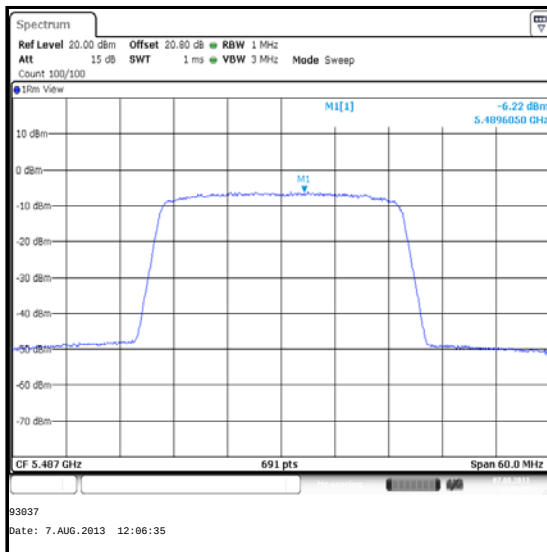
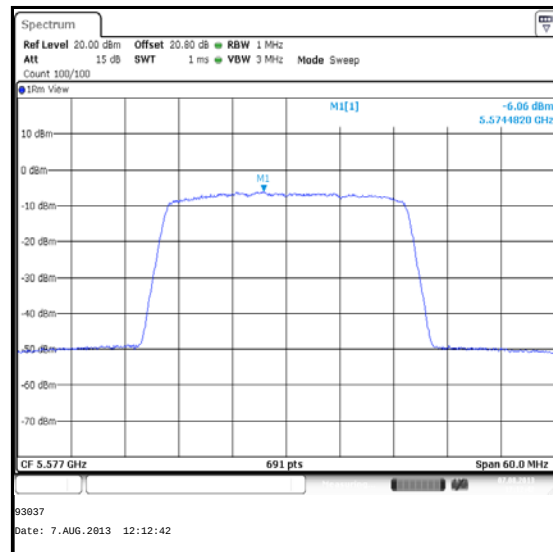
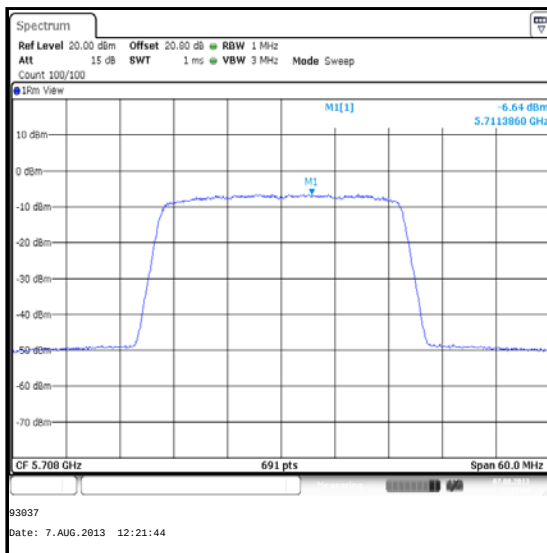
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-6.0	-4.6	-2.2	5.5	7.7	Complied
Middle	-5.6	-5.2	-2.4	5.5	7.9	Complied
Top	-5.5	-5.6	-2.5	5.5	8.0	Complied

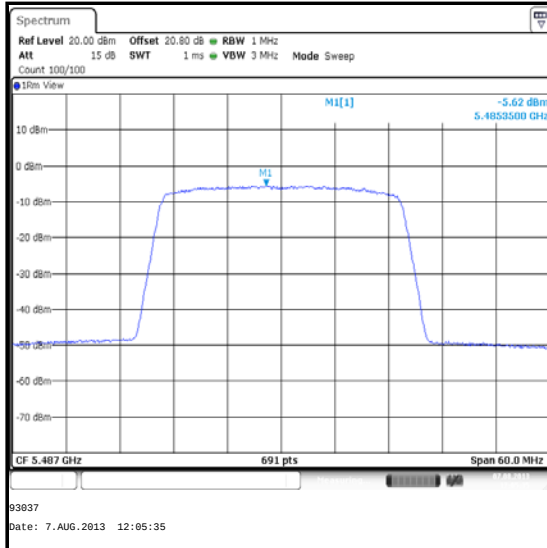
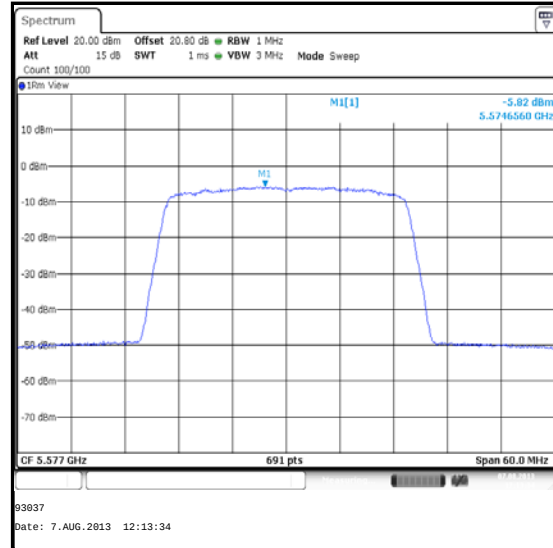
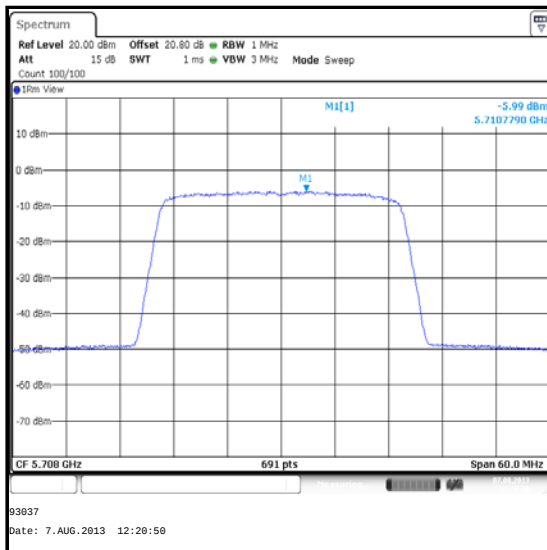
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / 256QAM**

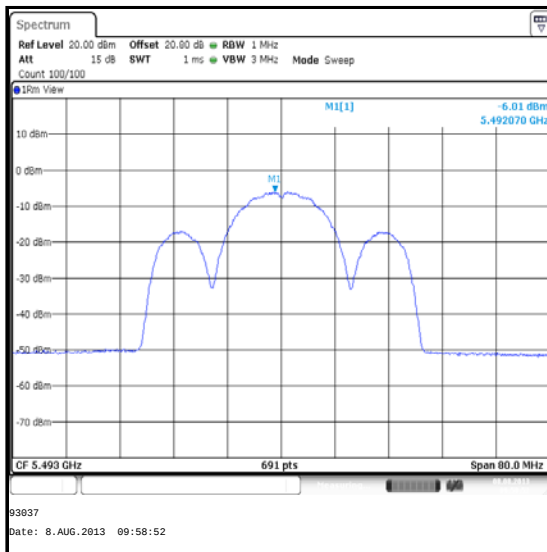
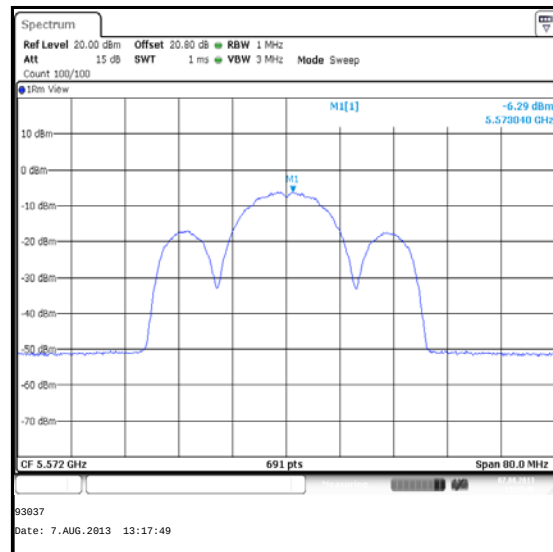
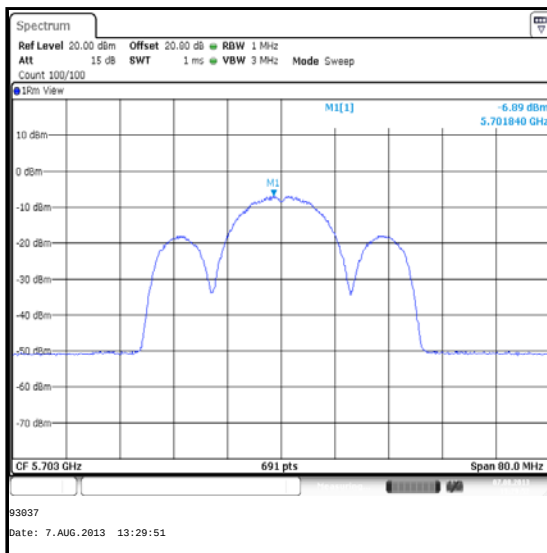
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-6.2	-5.6	-2.9	5.5	8.4	Complied
Middle	-6.1	-5.8	-2.9	5.5	8.4	Complied
Top	-6.6	-6.0	-3.3	5.5	8.8	Complied

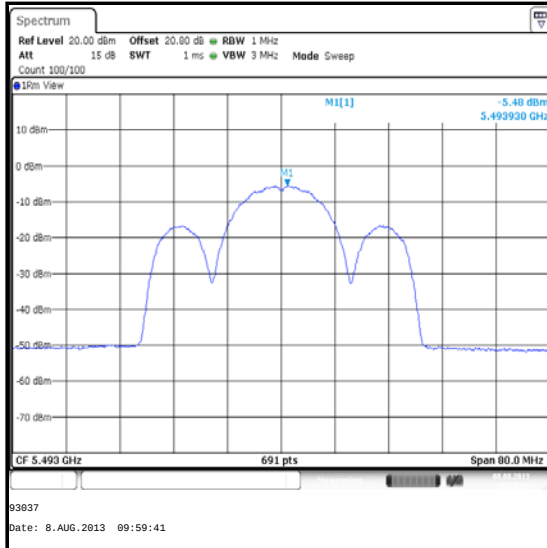
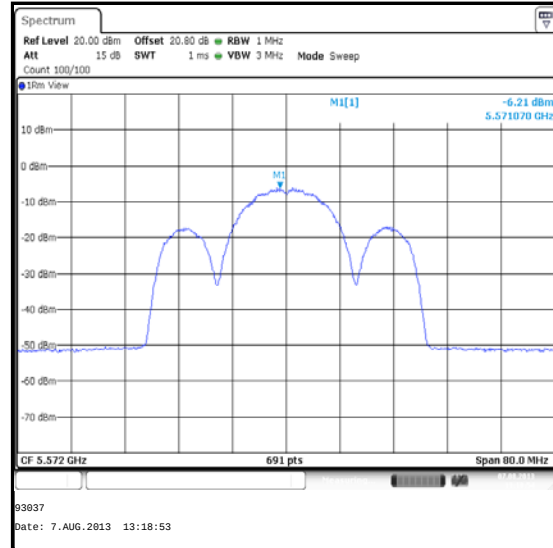
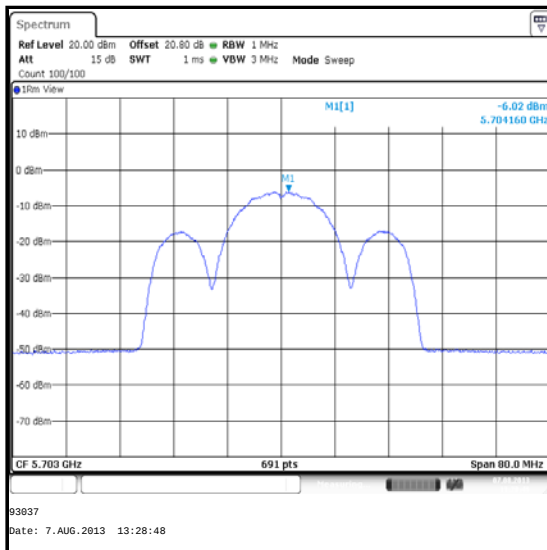
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 30 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / ACQ**

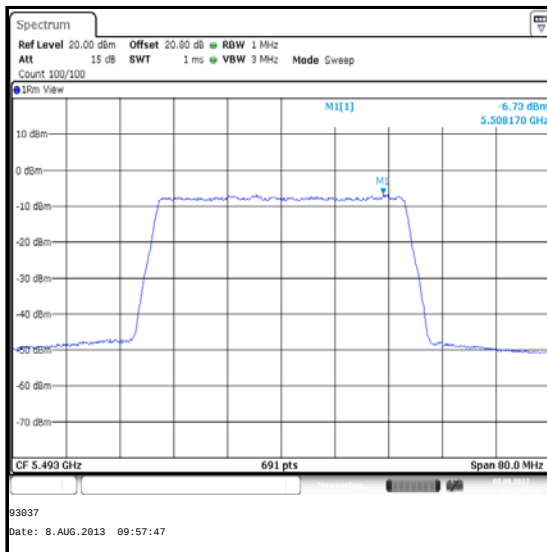
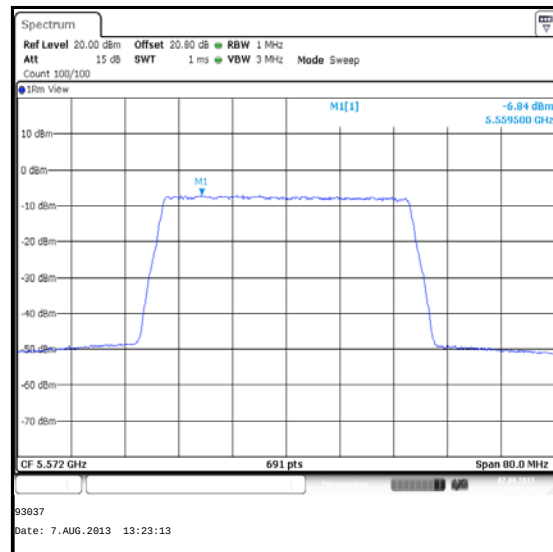
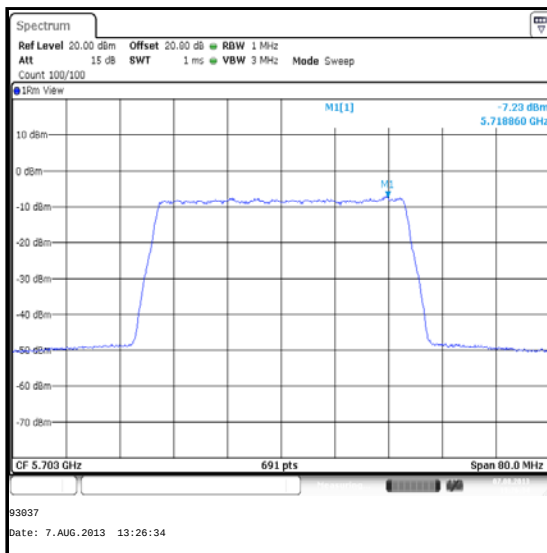
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-6.0	-5.5	-2.7	5.5	8.2	Complied
Middle	-6.3	-6.2	-3.2	5.5	8.7	Complied
Top	-6.9	-6.0	-3.4	5.5	8.9	Complied

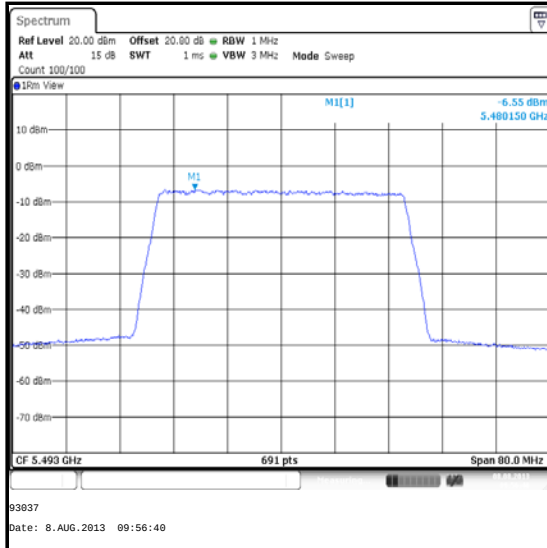
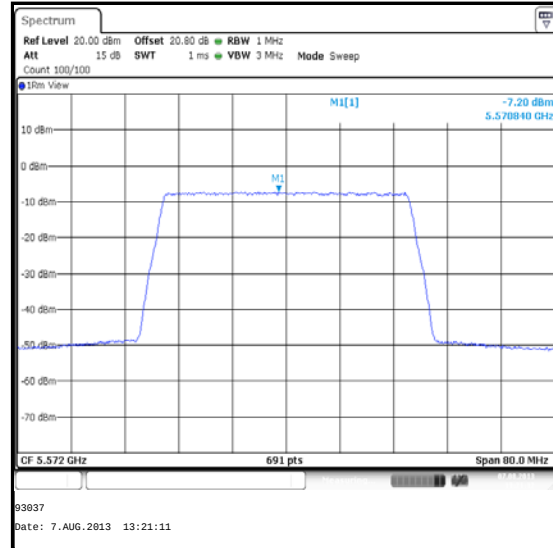
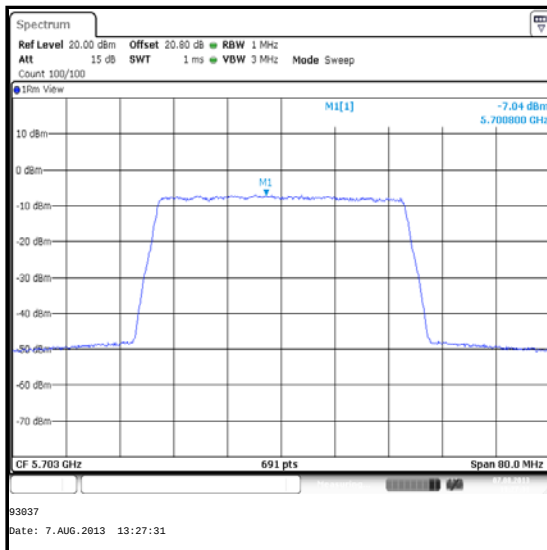
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / 256QAM**

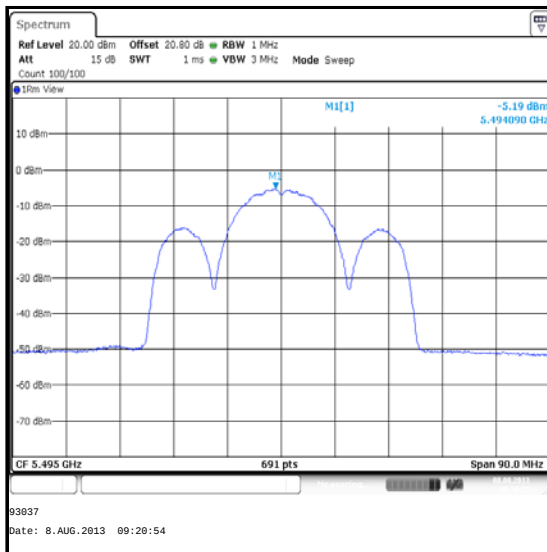
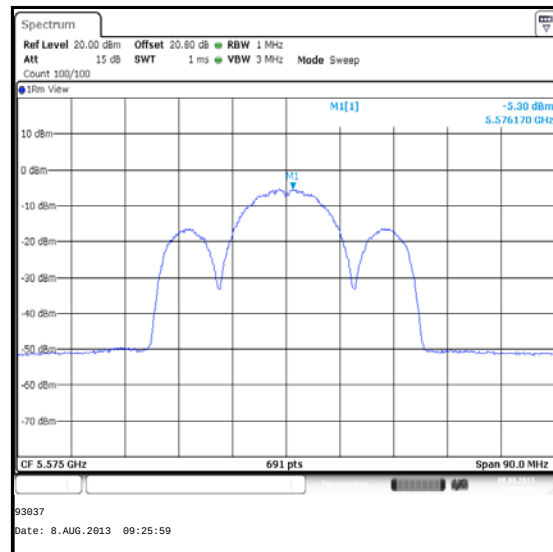
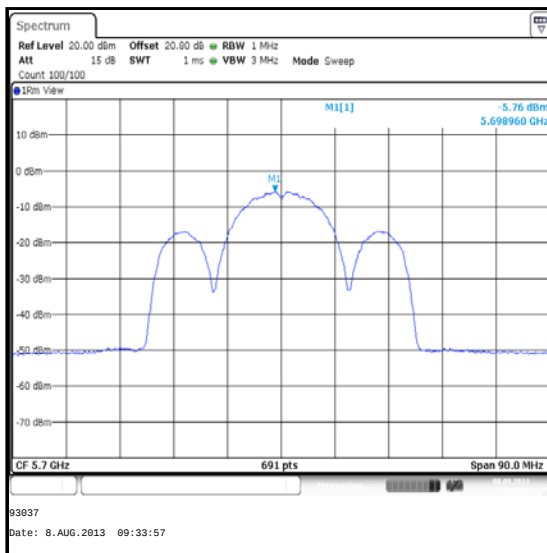
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-6.7	-6.6	-3.6	5.5	9.1	Complied
Middle	-6.8	-7.2	-4.0	5.5	9.5	Complied
Top	-7.2	-7.0	-4.1	5.5	9.6	Complied

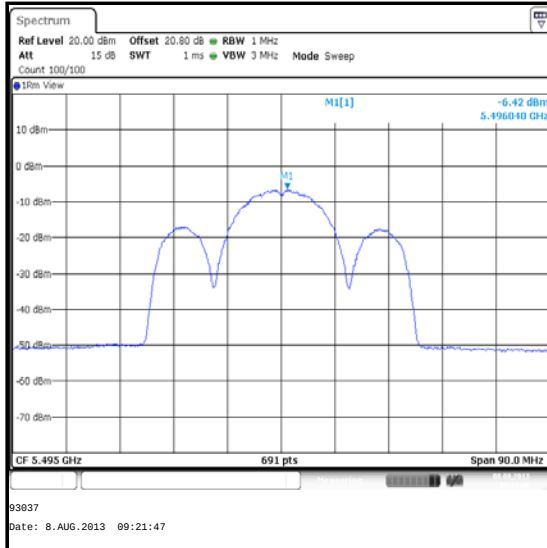
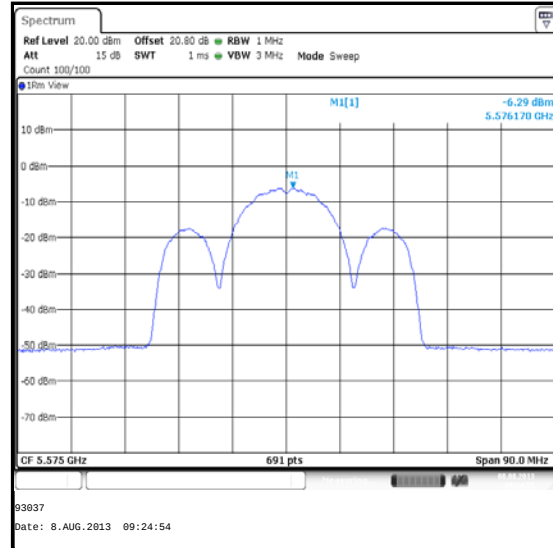
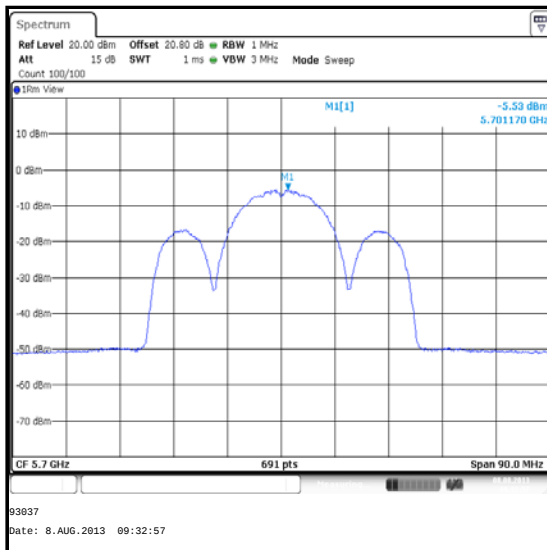
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 40 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / ACQ**

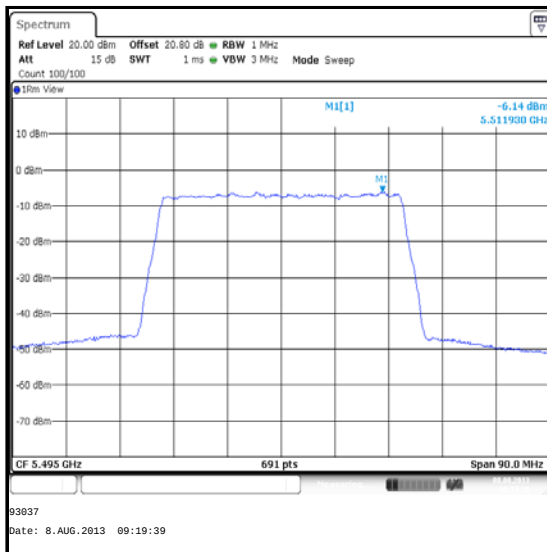
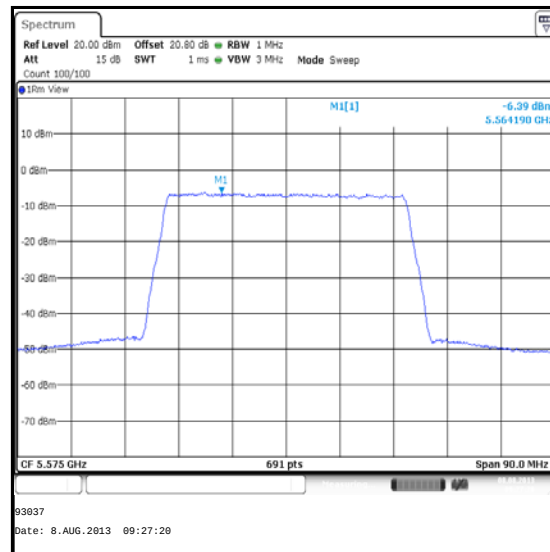
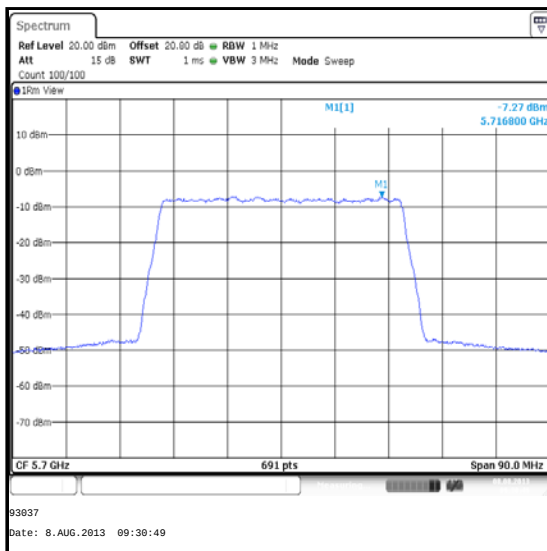
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-5.2	-6.4	-2.7	5.5	8.2	Complied
Middle	-5.3	-6.3	-2.8	5.5	8.3	Complied
Top	-5.8	-5.5	-2.6	5.5	8.1	Complied

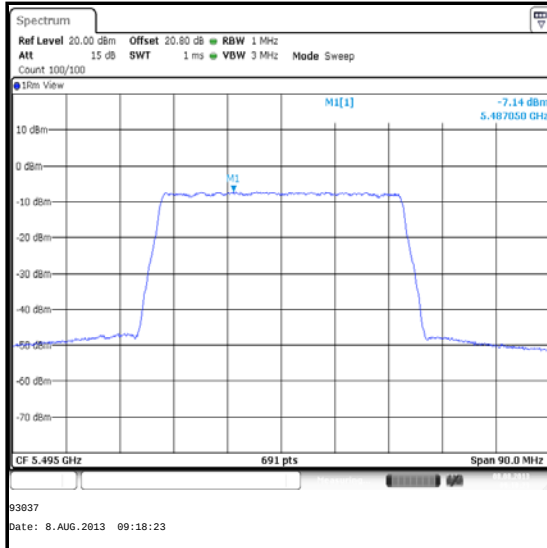
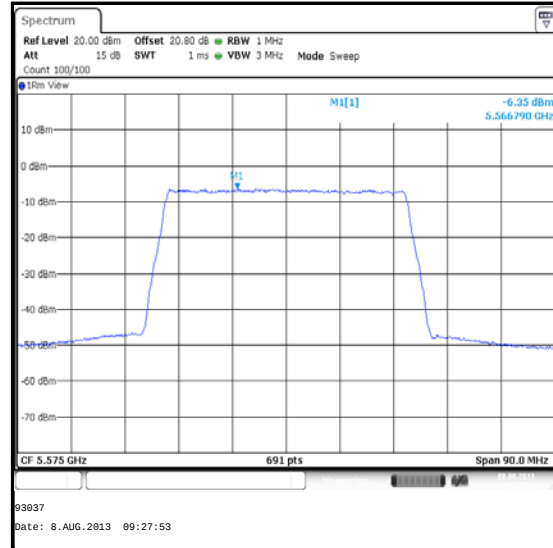
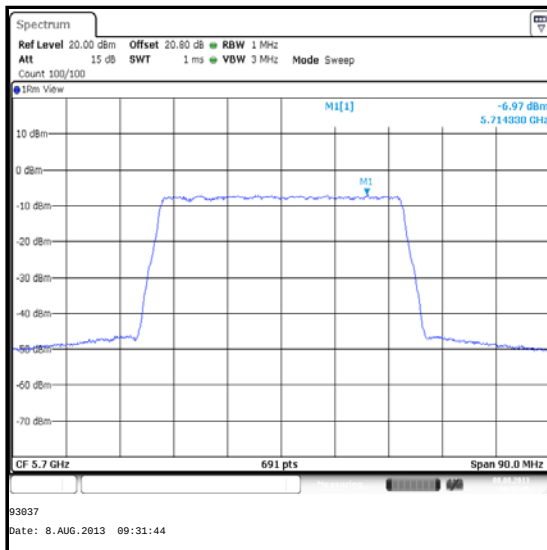
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / 256QAM**

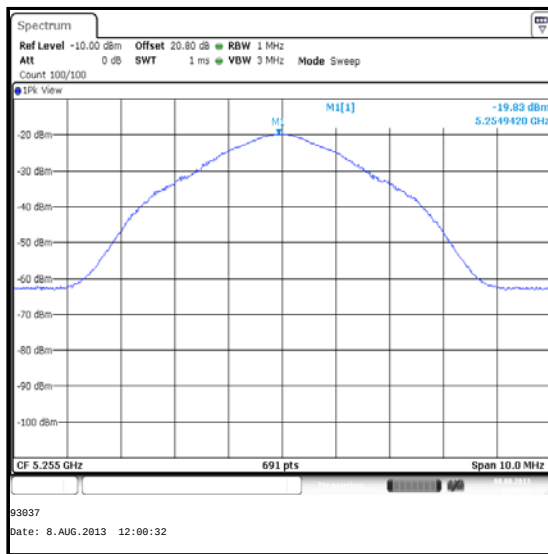
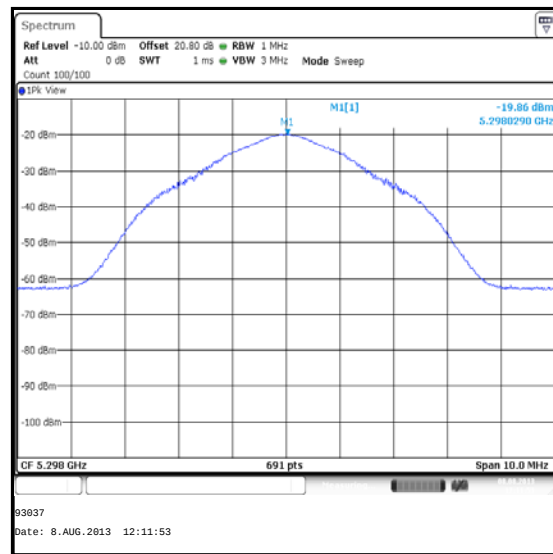
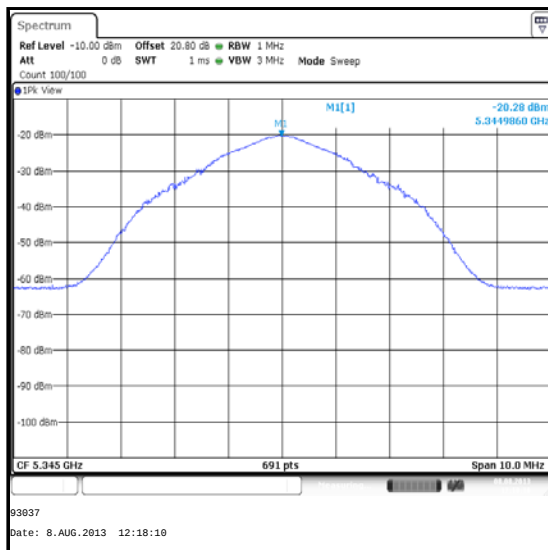
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-6.1	-7.1	-3.6	5.5	9.1	Complied
Middle	-6.4	-6.4	-3.4	5.5	8.9	Complied
Top	-7.3	-7.0	-4.1	5.5	9.6	Complied

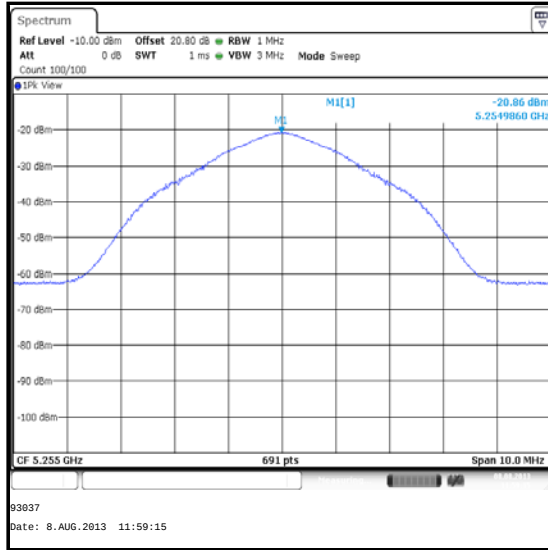
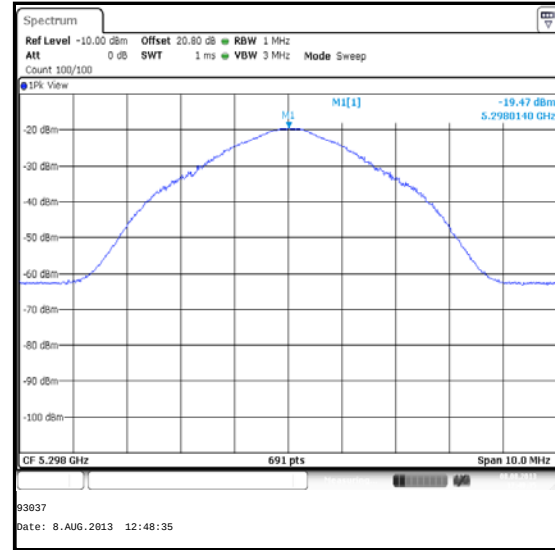
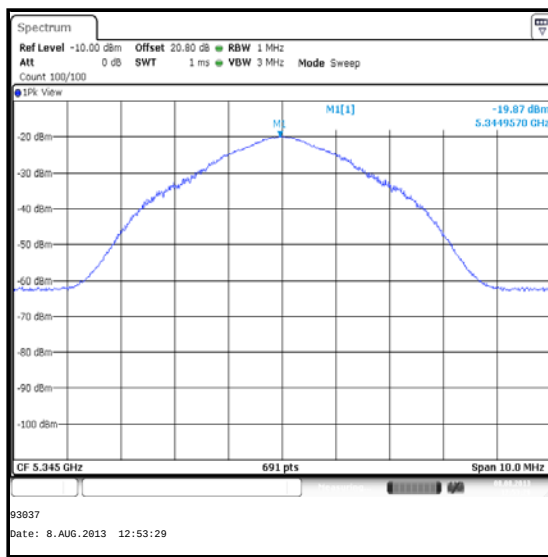
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.47-5.725 GHz band) (continued)**Results: Omnidirectional Antenna / 45 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Parabolic Antenna / 5 MHz Channel / ACQ**

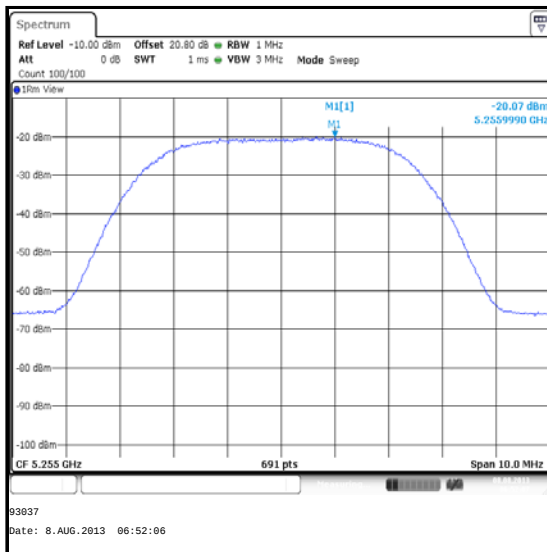
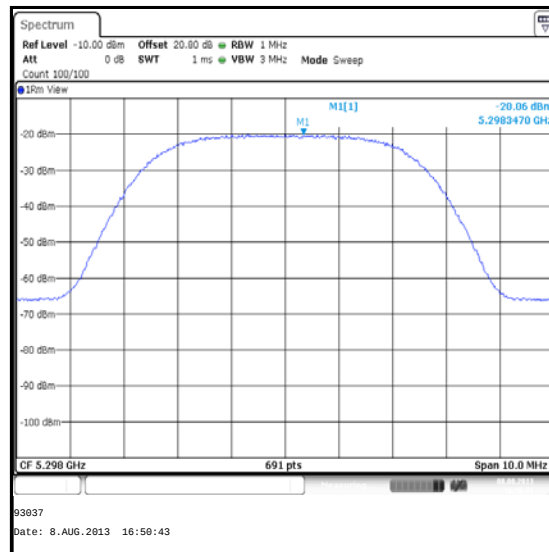
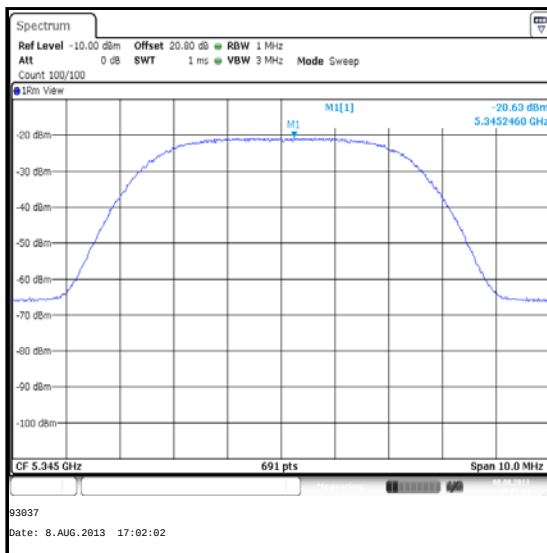
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-19.8	-20.8	-17.0	-16.4	0.6	Complied
Middle	-19.9	-19.5	-16.7	-16.4	0.3	Complied
Top	-20.3	-19.9	-17.1	-16.4	0.7	Complied

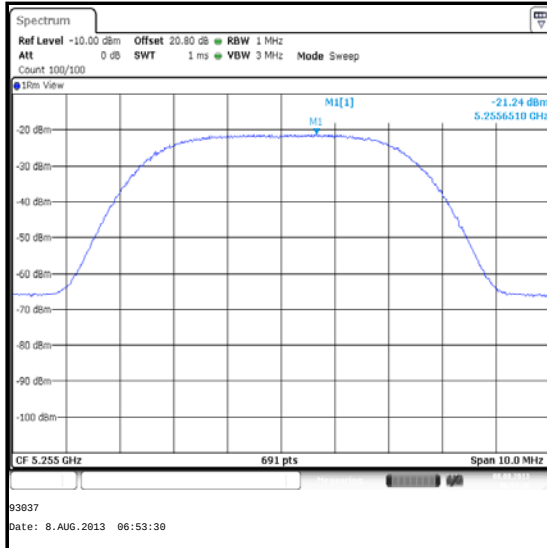
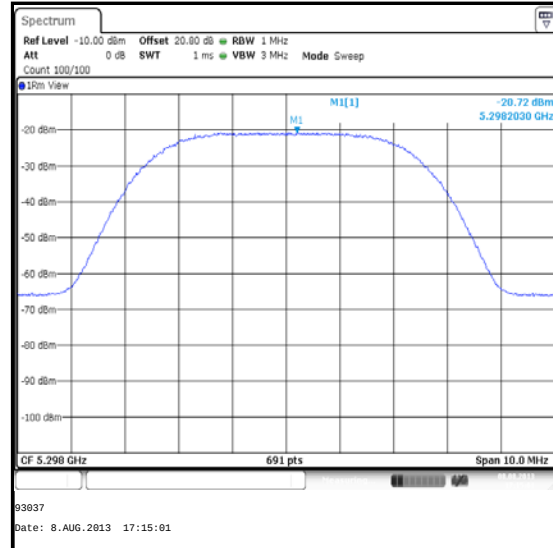
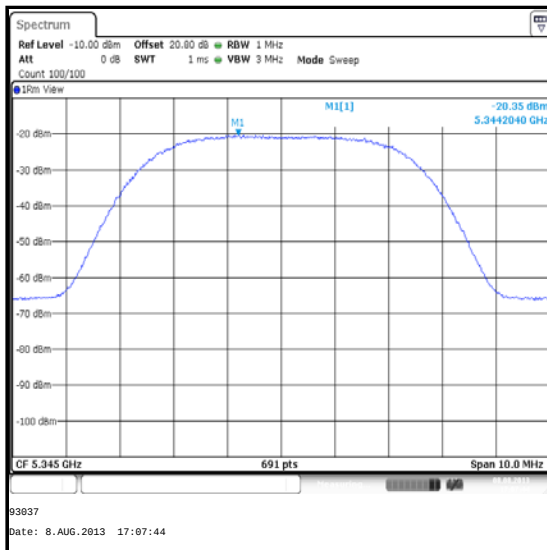
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Parabolic Antenna / 5 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Parabolic Antenna / 5 MHz Channel / 256QAM**

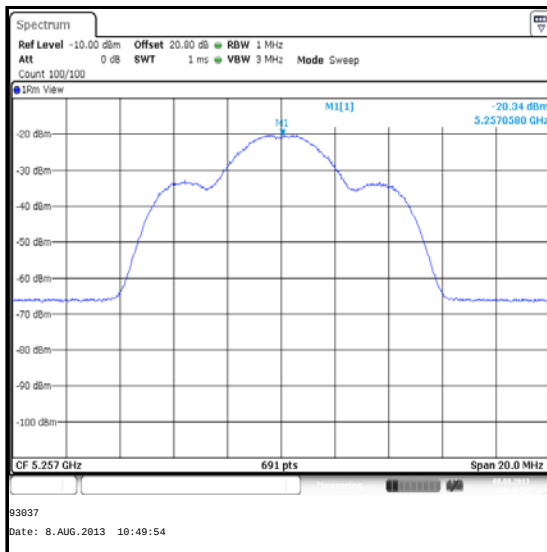
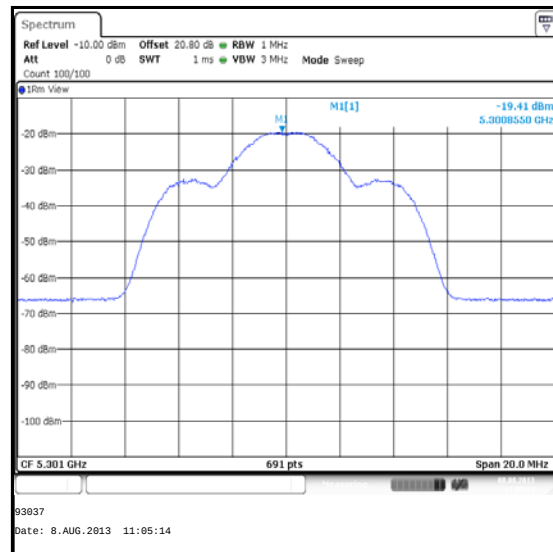
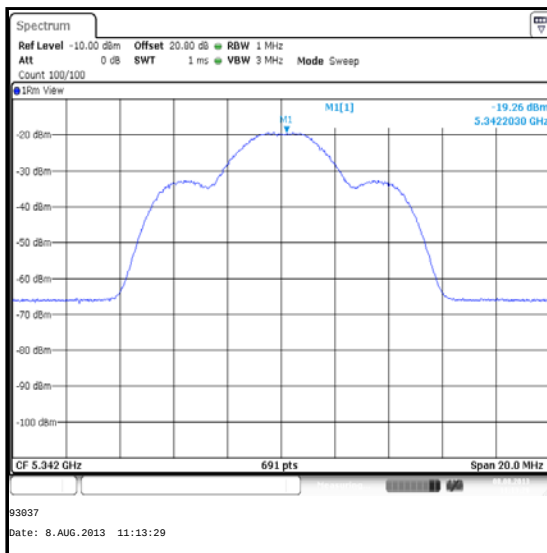
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-20.1	-21.2	-17.6	-16.4	1.2	Complied
Middle	-20.1	-20.1	-17.1	-16.4	0.7	Complied
Top	-20.1	-20.0	-17.0	-16.4	0.6	Complied

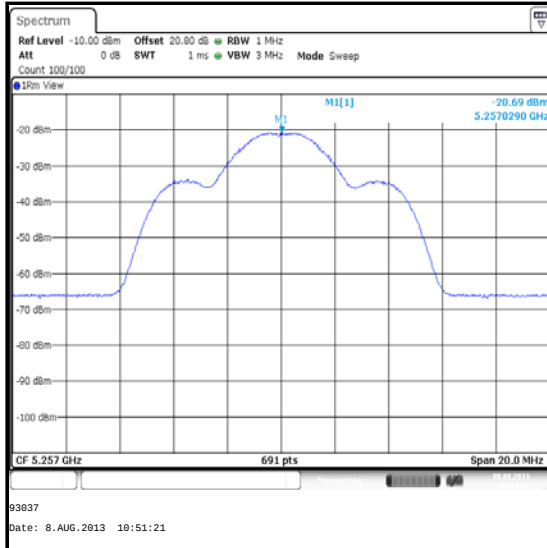
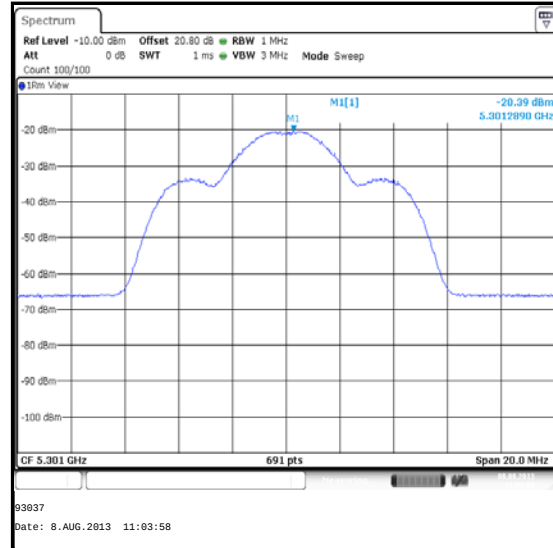
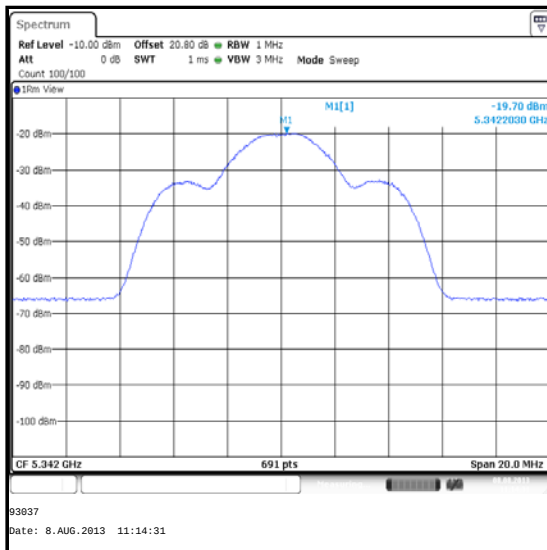
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Parabolic Antenna / 5 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Parabolic Antenna / 10 MHz Channel / ACQ**

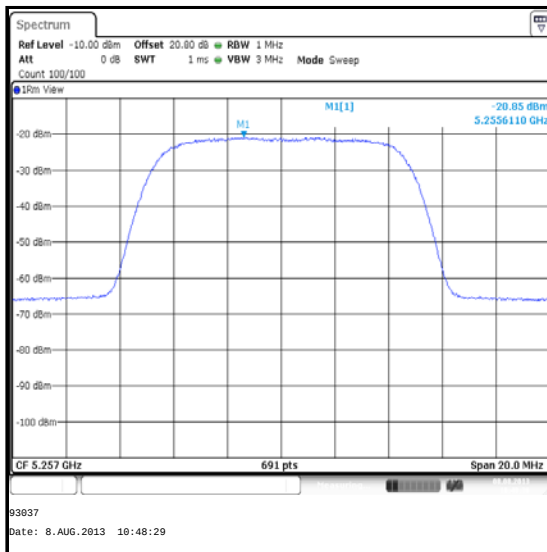
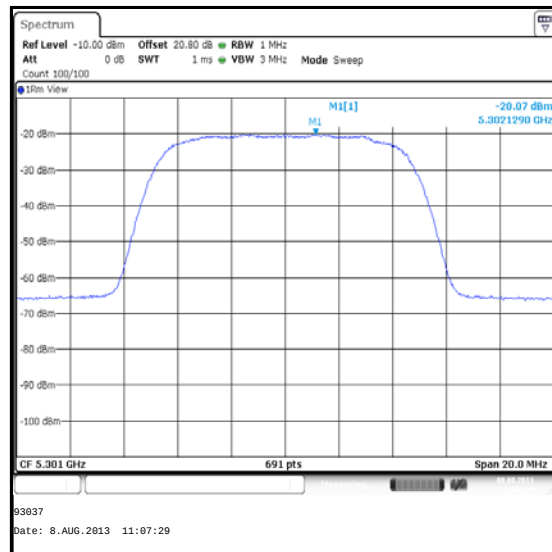
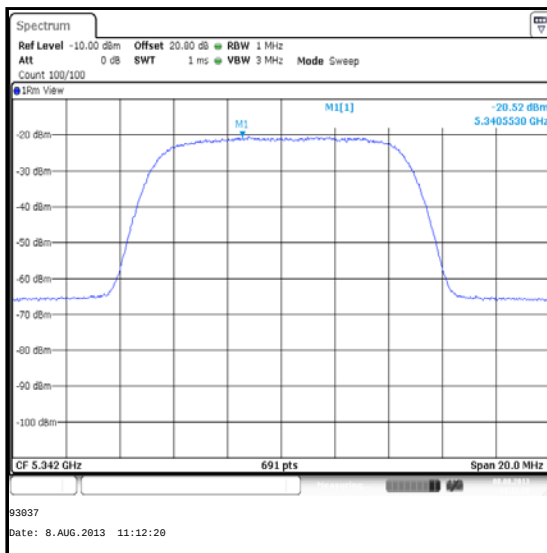
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-20.3	-20.7	-17.5	-16.4	1.1	Complied
Middle	-19.4	-20.4	-16.9	-16.4	0.5	Complied
Top	-19.3	-19.7	-16.5	-16.4	0.1	Complied

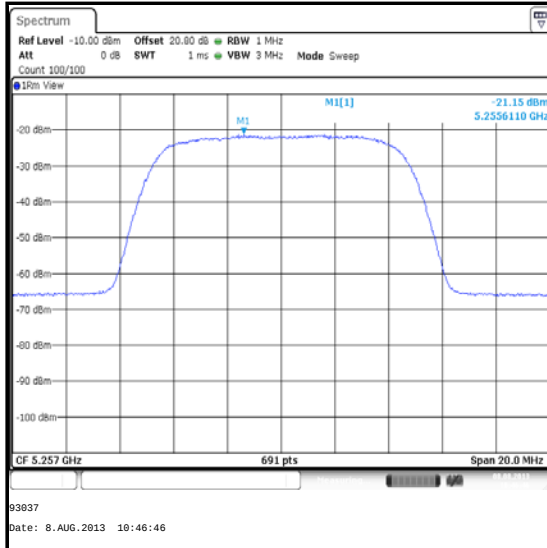
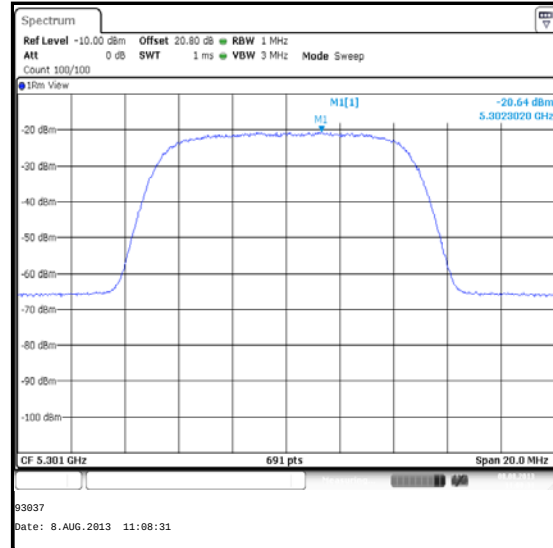
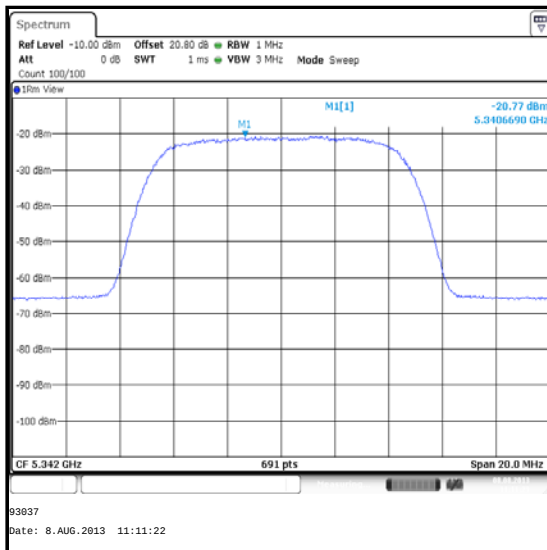
H Port**Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Parabolic Antenna / 10 MHz Channel / ACQ****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Parabolic Antenna / 10 MHz Channel / 256QAM**

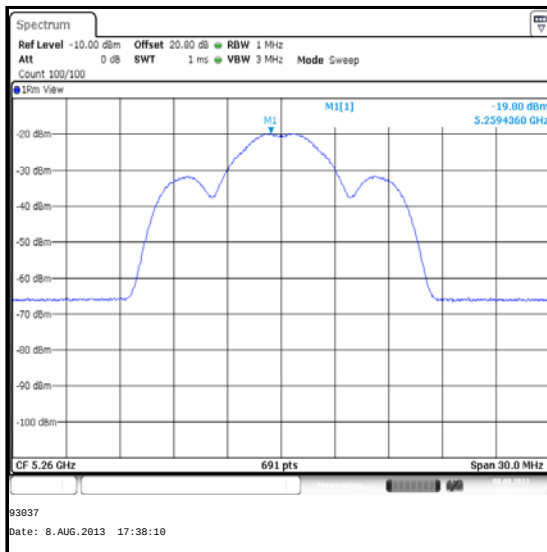
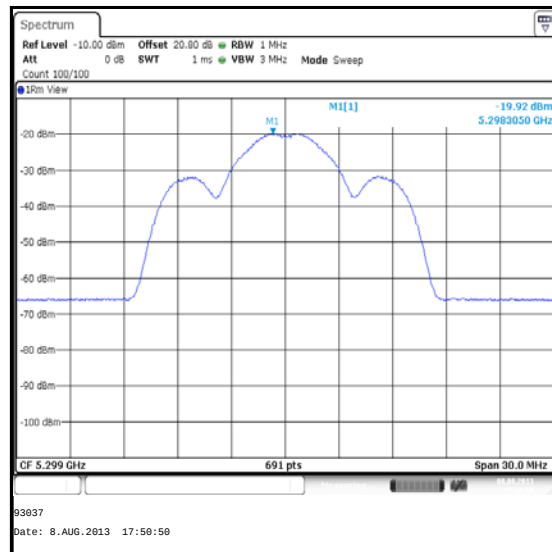
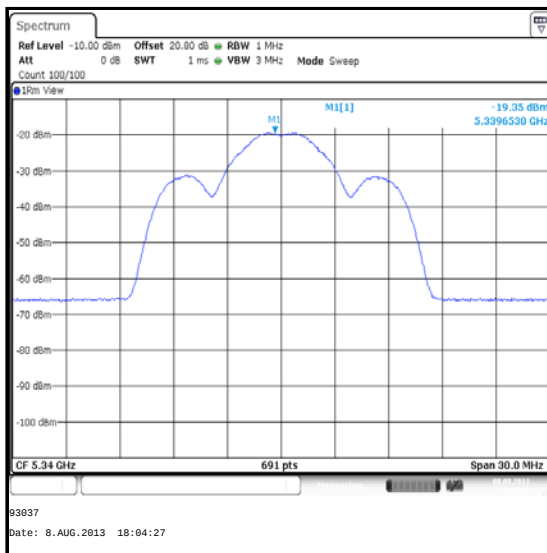
Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-20.9	-21.2	-18.0	-16.4	1.6	Complied
Middle	-20.1	-20.6	-17.3	-16.4	0.9	Complied
Top	-20.5	-20.8	-17.6	-16.4	1.2	Complied

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

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Parabolic Antenna / 10 MHz Channel / 256QAM****V Port****Bottom Channel****Middle Channel****Top Channel**

Transmitter Peak Power Spectral Density (5.25-5.35 GHz band) (continued)**Results: Parabolic Antenna / 15 MHz Channel / ACQ**

Channel	PPSD H Port (dBm/MHz)	PPSD V Port (dBm/MHz)	PPSD Power (dBm/MHz)	PPSD Power Limit (dBm/MHz)	Margin (dB)	Result
Bottom	-19.8	-19.9	-16.8	-16.4	0.4	Complied
Middle	-19.9	-19.3	-16.6	-16.4	0.2	Complied
Top	-19.4	-20.0	-16.7	-16.4	0.3	Complied

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