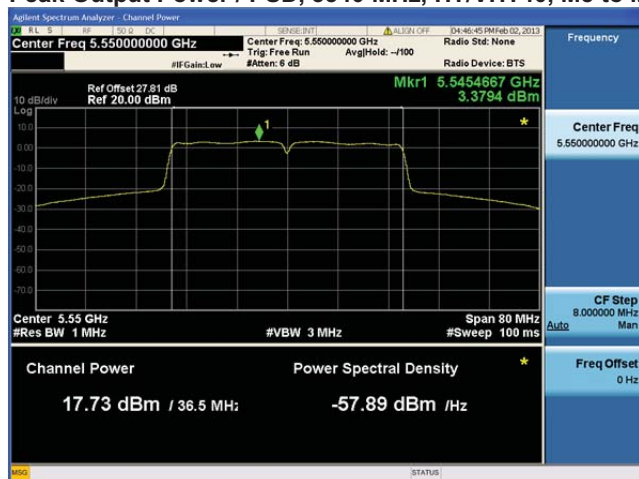
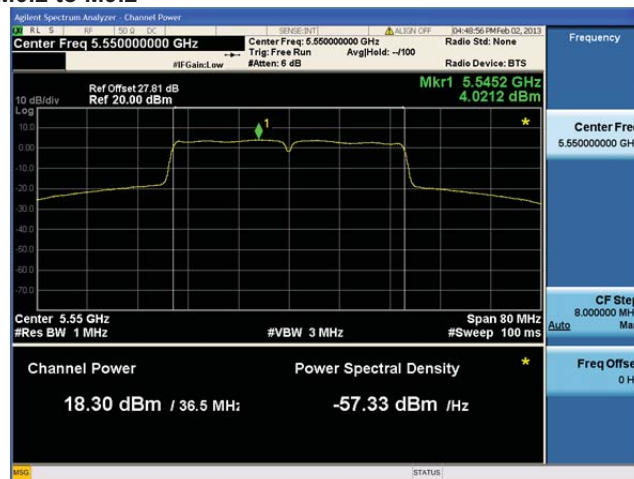


Peak Output Power / PSD, 5540 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2



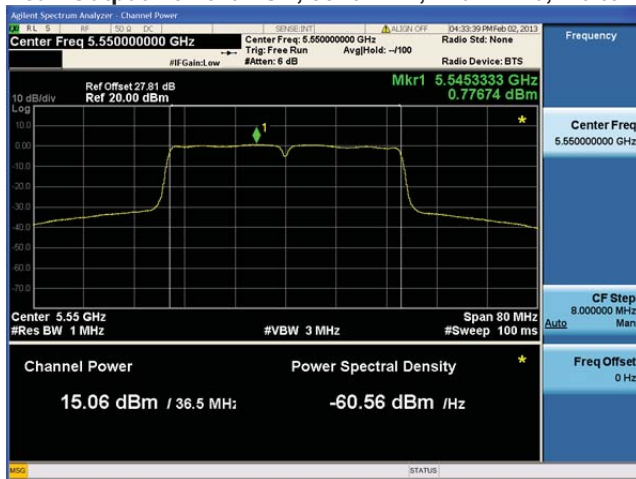
Antenna A



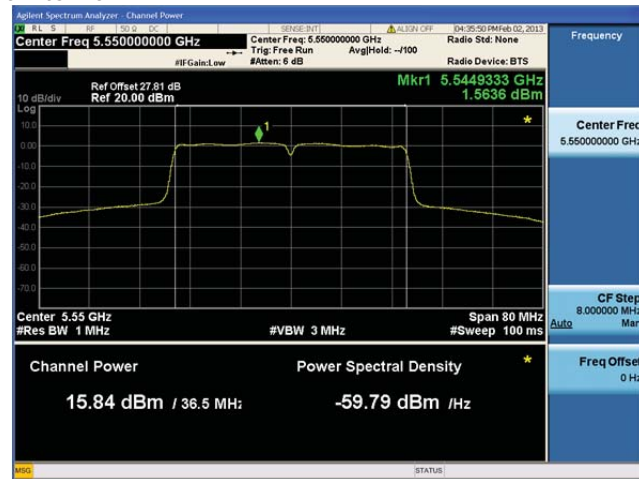
Antenna B



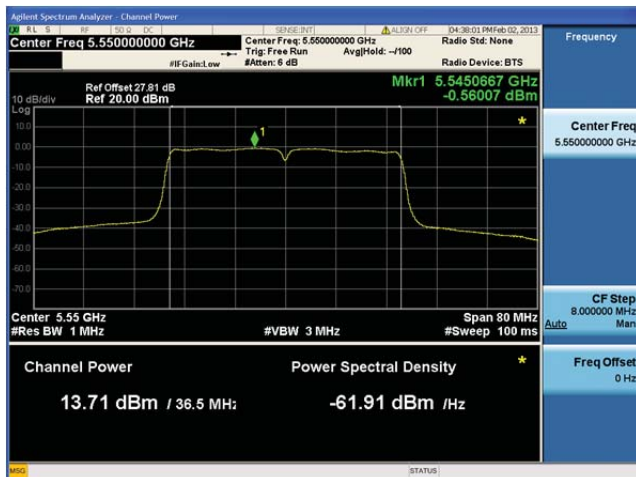
Peak Output Power / PSD, 5540 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1



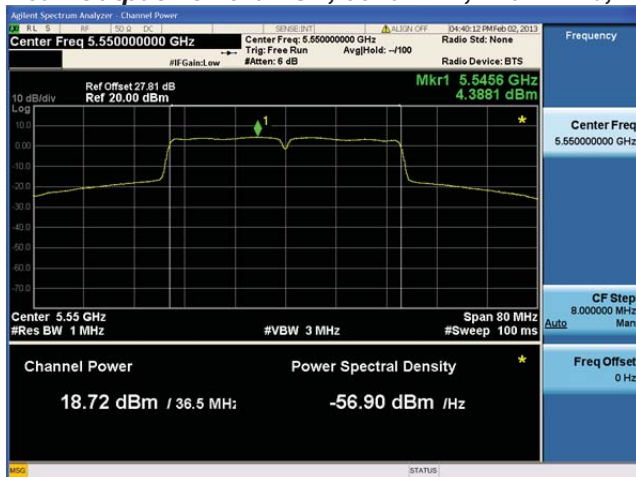
Antenna A

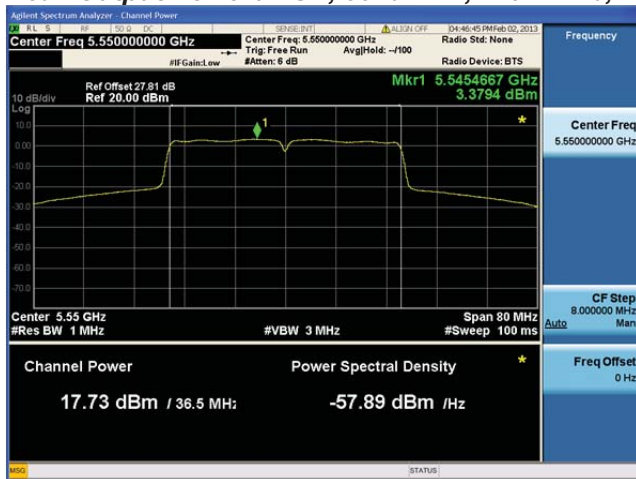
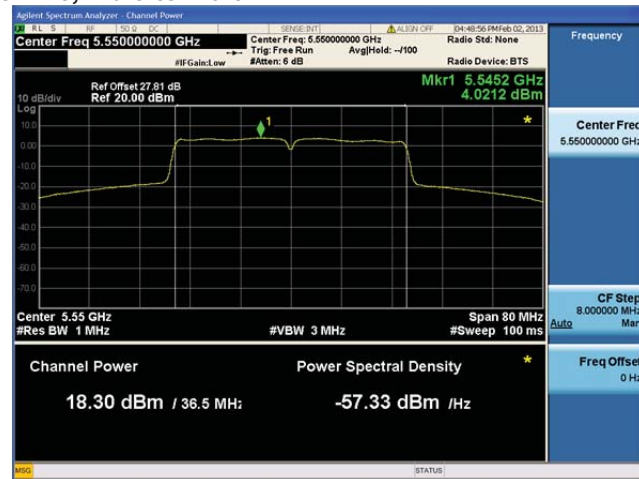
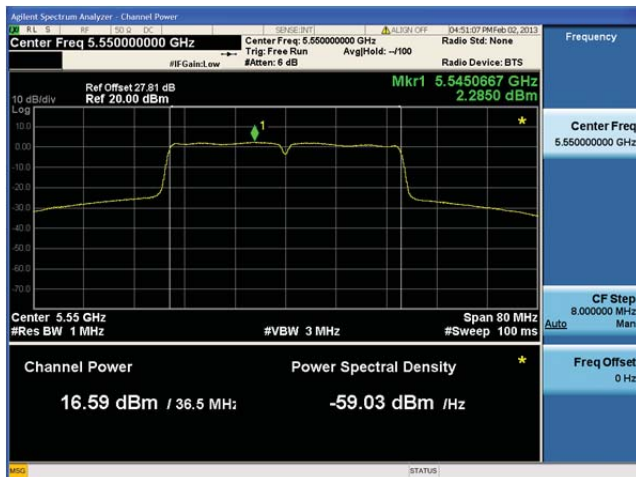


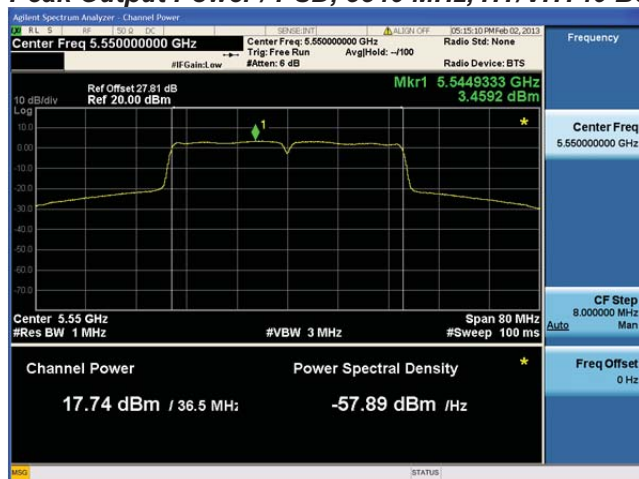
Antenna B



Antenna C

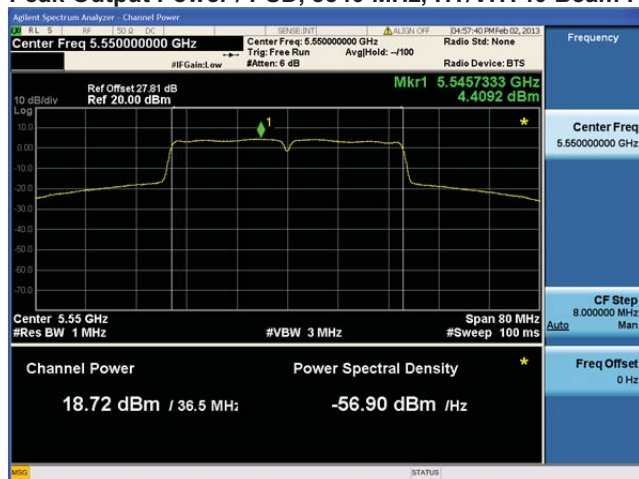
Peak Output Power / PSD, 5540 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5540 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

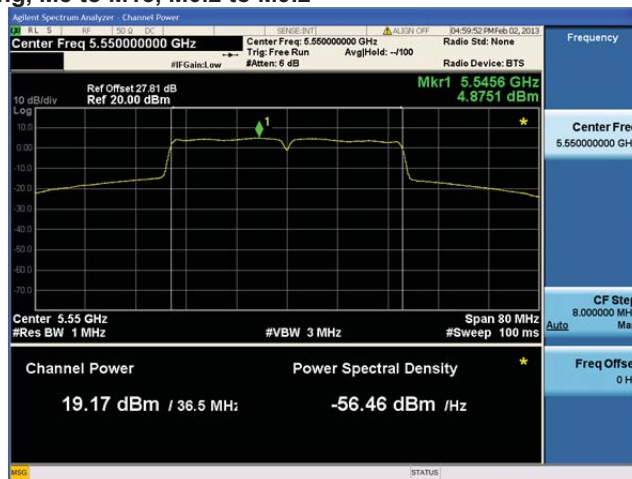
Peak Output Power / PSD, 5540 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**



Peak Output Power / PSD, 5540 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2



Antenna A



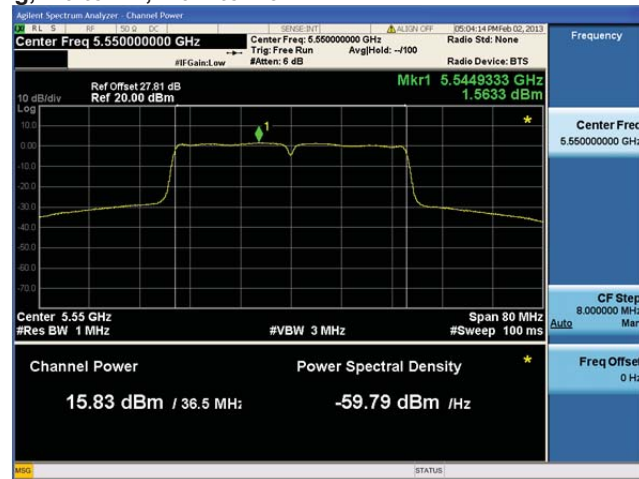
Antenna B



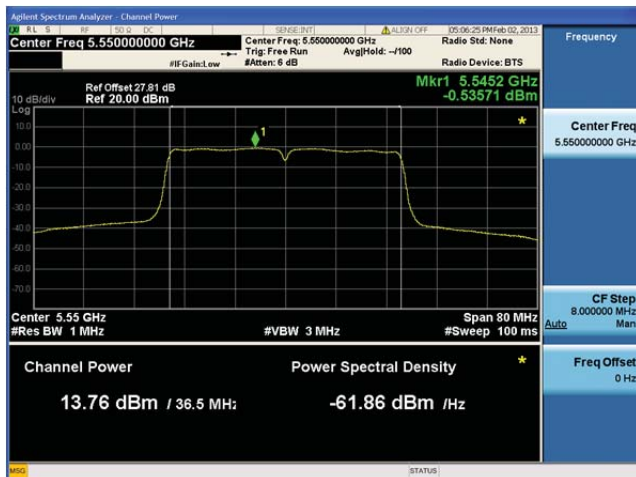
Peak Output Power / PSD, 5540 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1



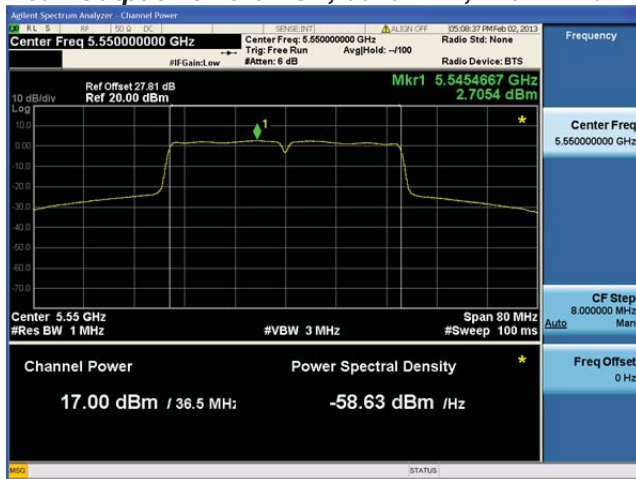
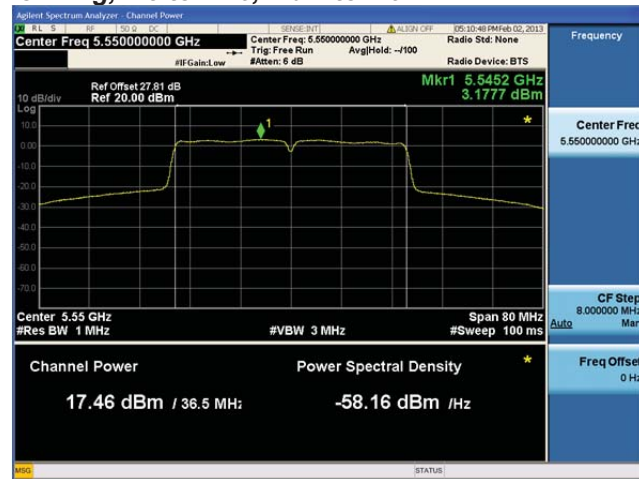
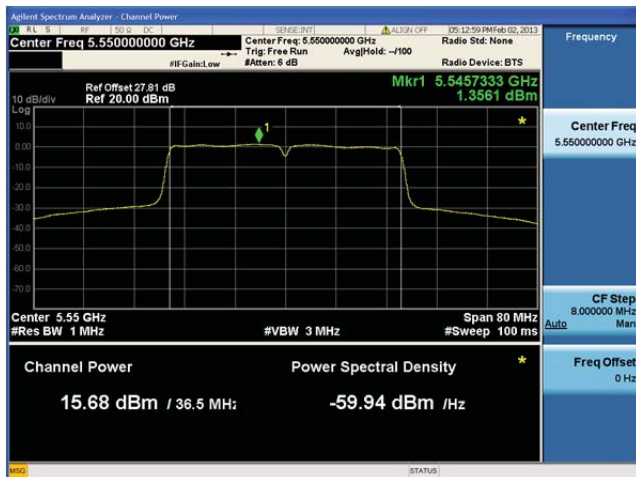
Antenna A



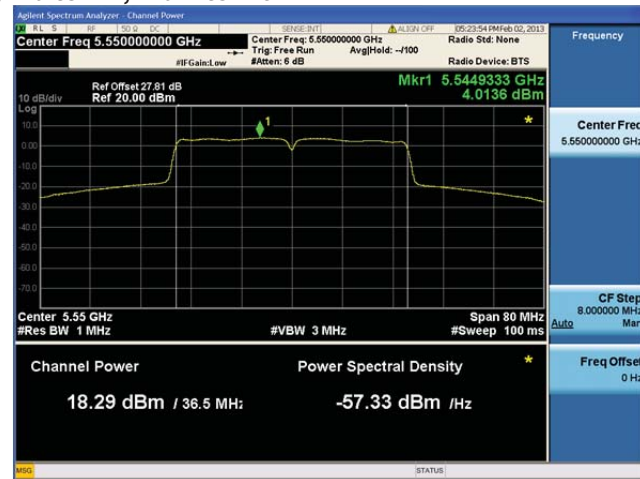
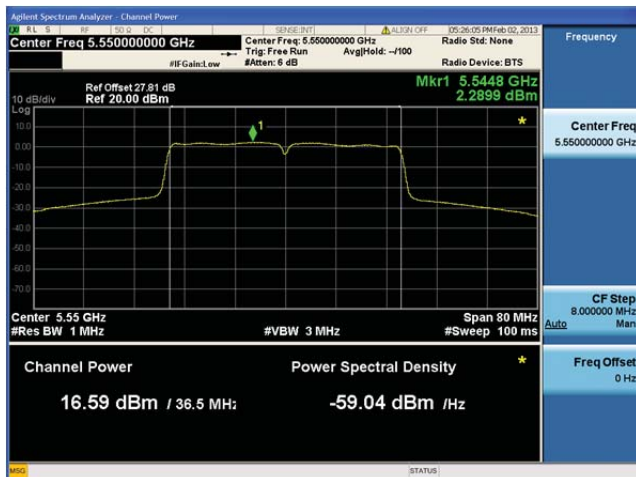
Antenna B

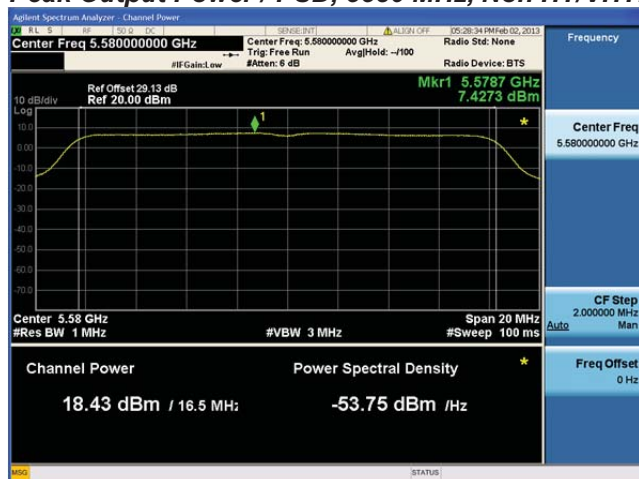


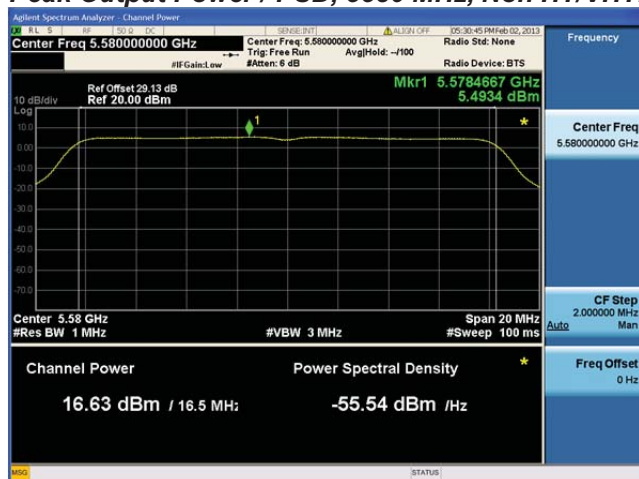
Antenna C

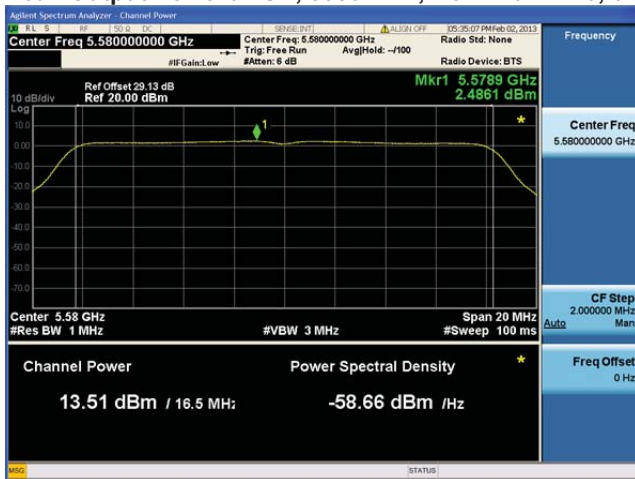
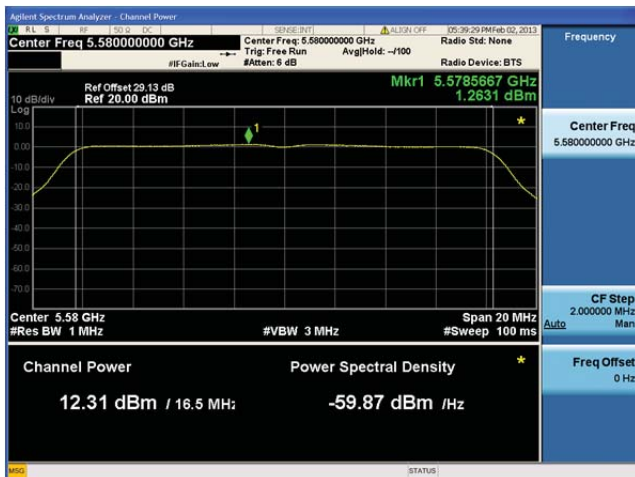
Peak Output Power / PSD, 5540 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C**

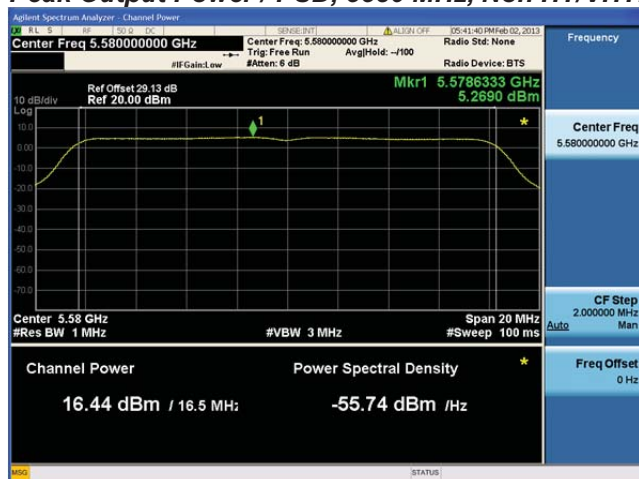
**Peak Output Power / PSD, 5540 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

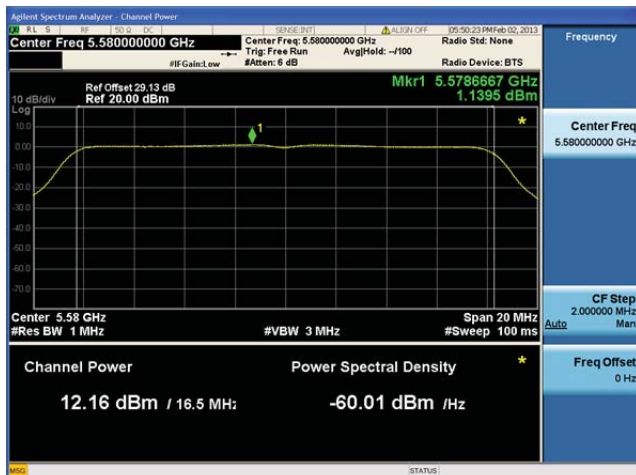
**Peak Output Power / PSD, 5540 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5580 MHz, Non HT/VHT20, 6 to 54 Mbps****Antenna A**

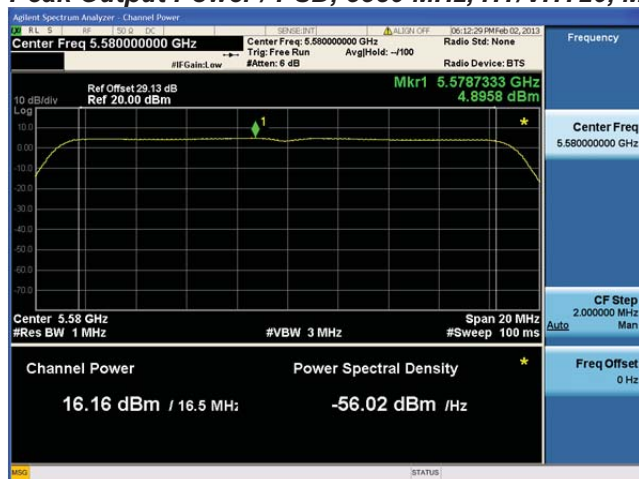
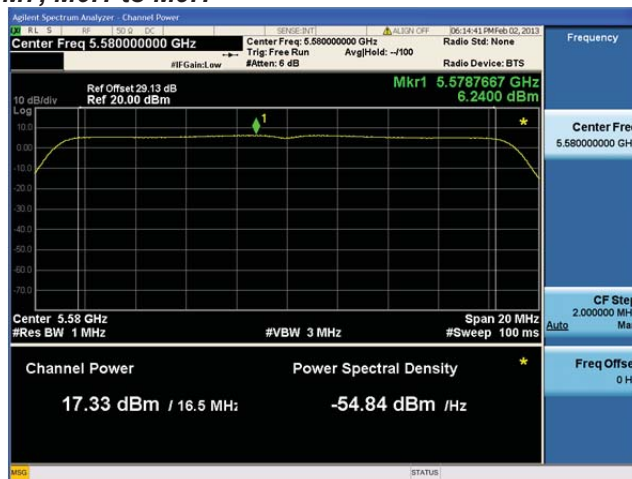
**Peak Output Power / PSD, 5580 MHz, Non HT/VHT20, 6 to 54 Mbps****Antenna A****Antenna B**

Peak Output Power / PSD, 5580 MHz, Non HT/VHT20, 6 to 54 Mbps**Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5580 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps****Antenna A****Antenna B**

Peak Output Power / PSD, 5580 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps**Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5580 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1**Antenna A**

**Peak Output Power / PSD, 5580 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**



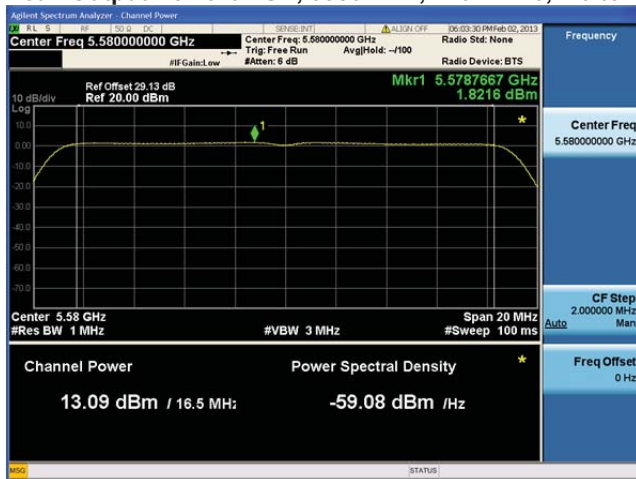
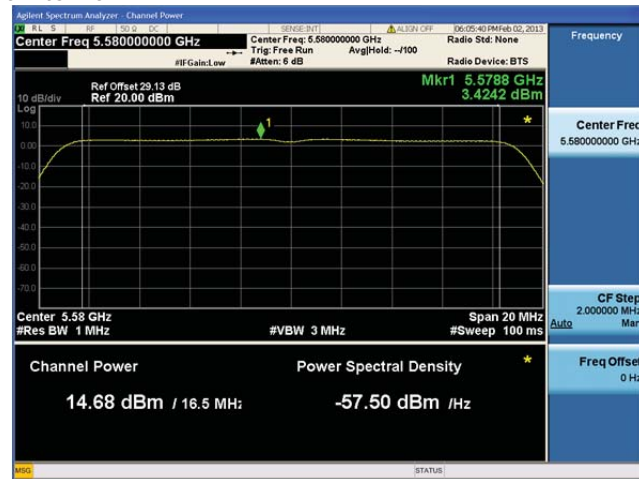
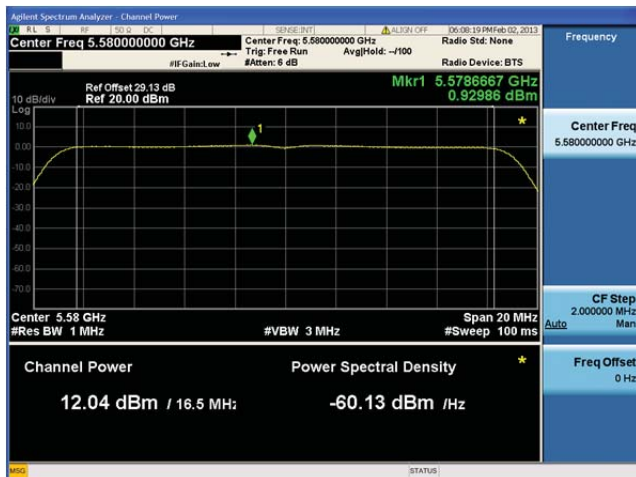
Peak Output Power / PSD, 5580 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2

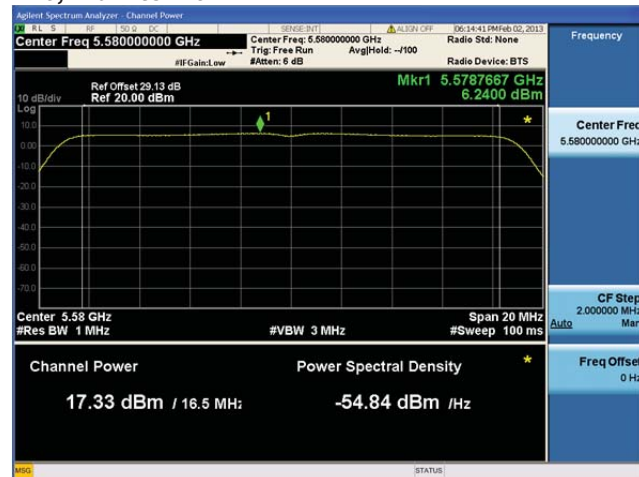


Antenna A



Antenna B

Peak Output Power / PSD, 5580 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5580 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.580000000 GHz

Ref Offset 29.13 dB
Ref 20.00 dBm

Center Freq: 5.580000000 GHz
Trig: Free Run
#Att: 6 dB

Avg/Hold: -100
Radio Device: BTS

Frequency

Center Freq
5.580000000 GHz

CF Step
2.000000 MHz

Channel Power

Power Spectral Density

17.12 dBm / 16.5 MHz

-55.06 dBm /Hz

Span 20 MHz
Sweep 100 ms

Auto

Freq Offset
0 Hz

STATUS

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.580000000 GHz

Ref Offset 29.13 dB
Ref 20.00 dBm

Mkr1 5.5787657 GHz
6.9697 dBm

Channel Power

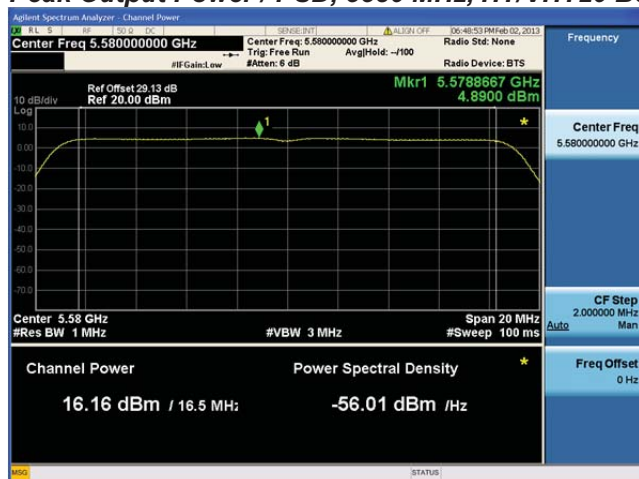
Power Spectral Density

18.21 dBm / 16.5 MHz

-53.97 dBm /Hz

[illegible]

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Cisco Systems, Inc. Company Confidential

**Peak Output Power / PSD, 5580 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**



Peak Output Power / PSD, 5580 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2



Antenna A



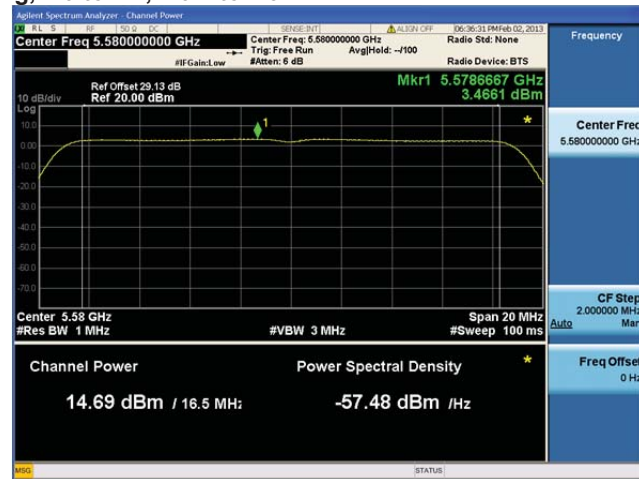
Antenna B



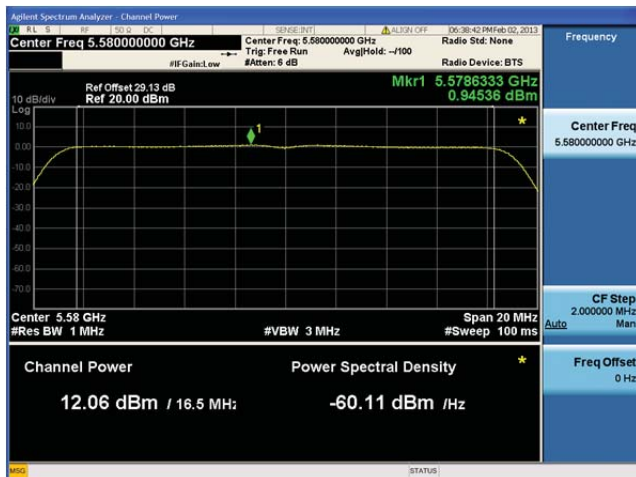
Peak Output Power / PSD, 5580 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1



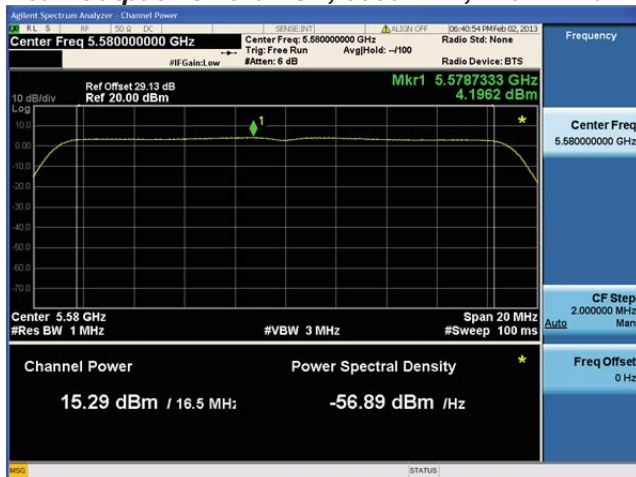
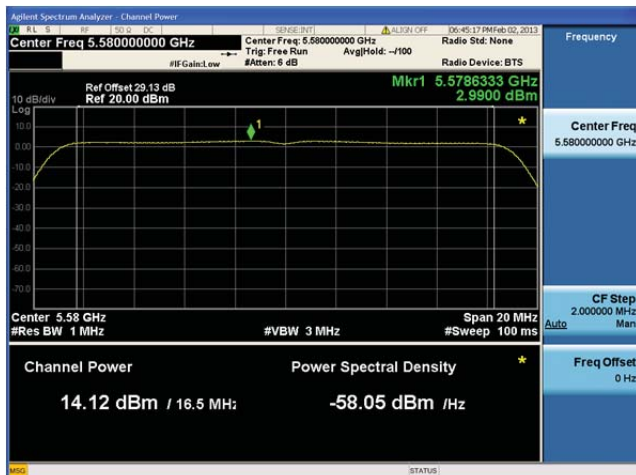
Antenna A

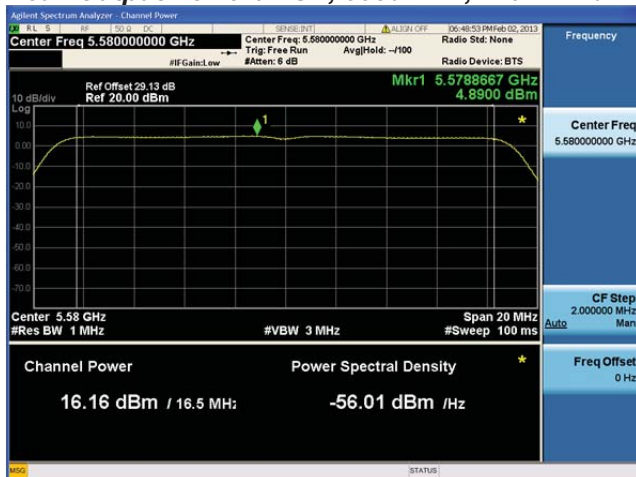


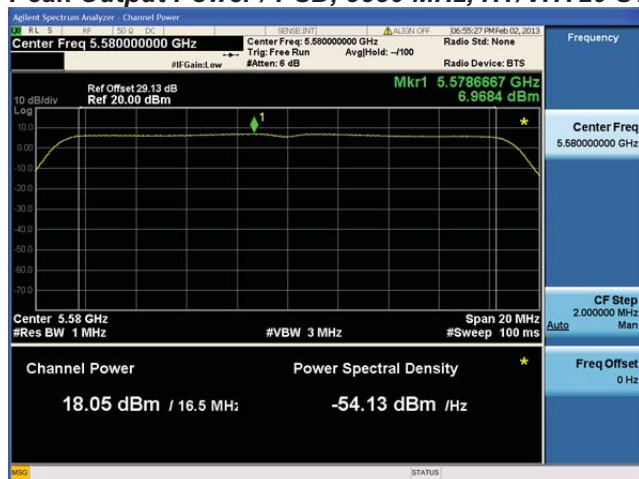
Antenna B



Antenna C

**Peak Output Power / PSD, 5580 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5580 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5580 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**



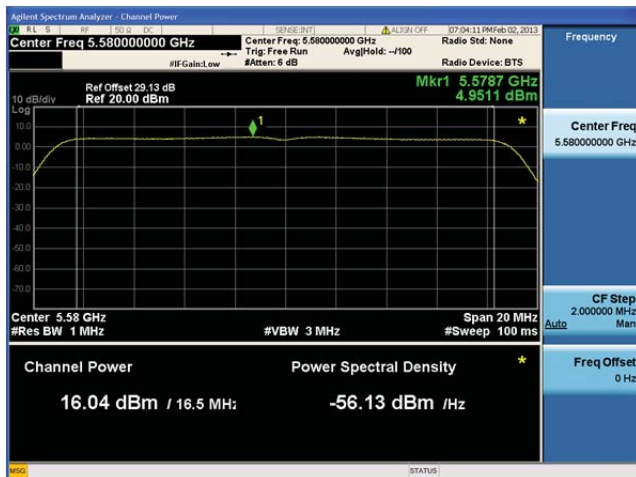
Peak Output Power / PSD, 5580 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1



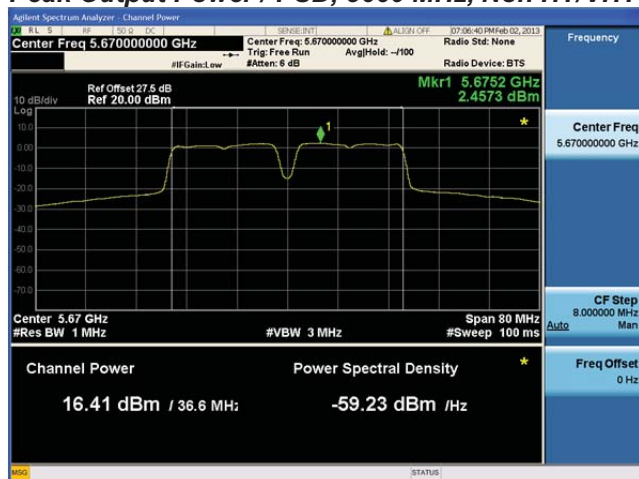
Antenna A

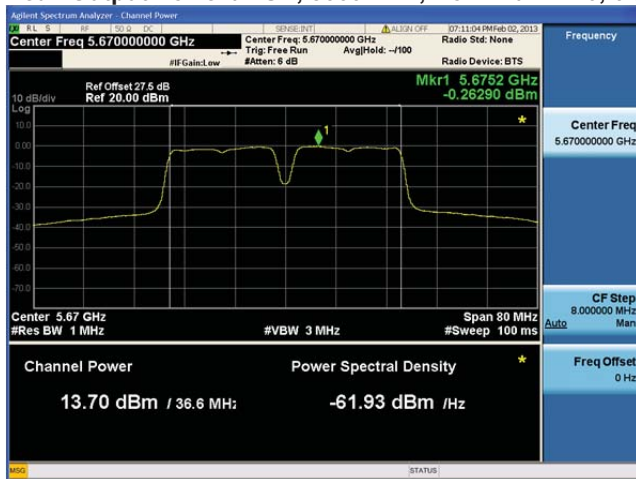


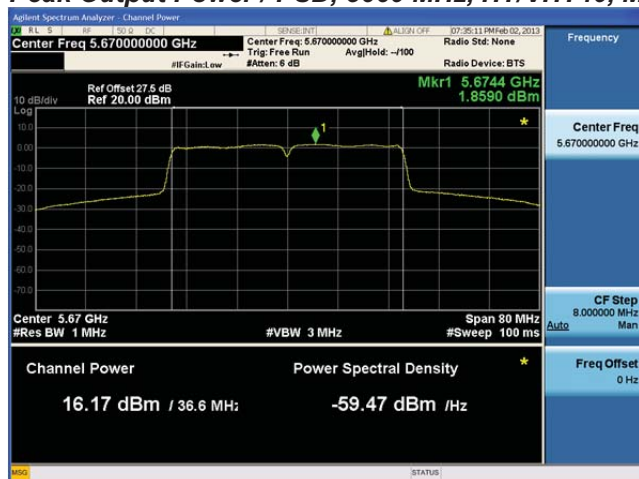
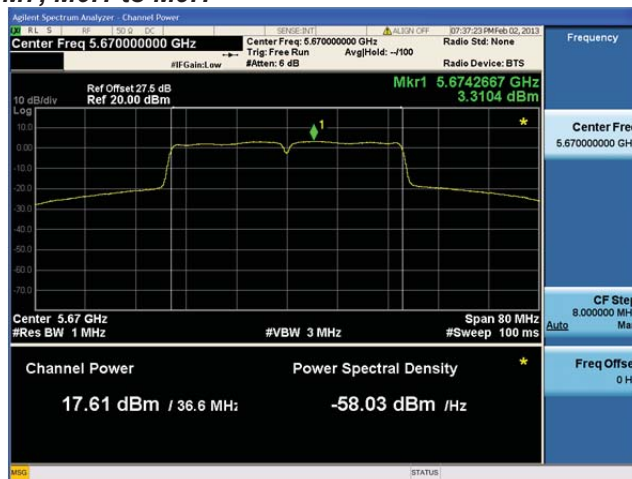
Antenna B



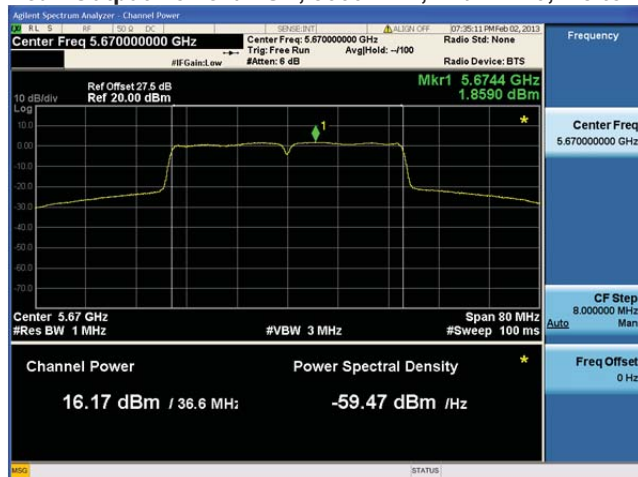
Antenna C

**Peak Output Power / PSD, 5660 MHz, Non HT/VHT40, 6 to 54 Mbps****Antenna A****Antenna B**

Peak Output Power / PSD, 5660 MHz, Non HT/VHT40, 6 to 54 Mbps**Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5660 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5660 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2



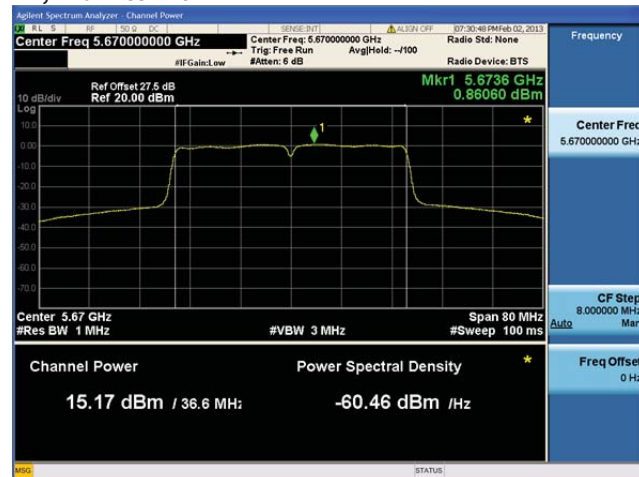
Antenna A

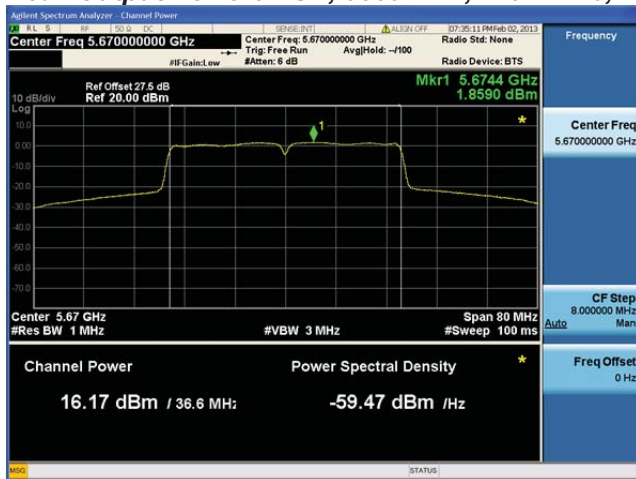
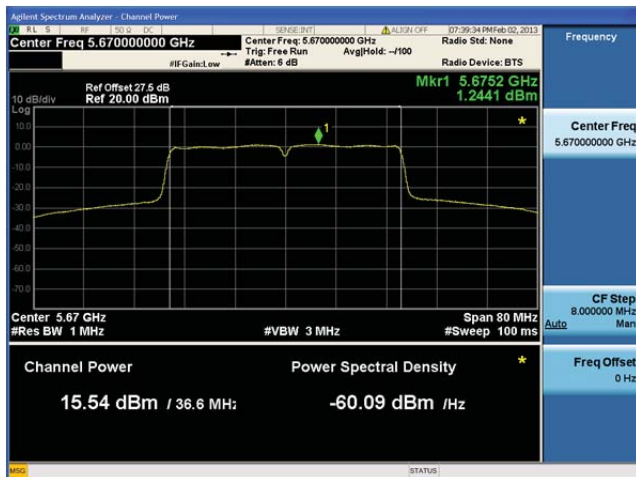


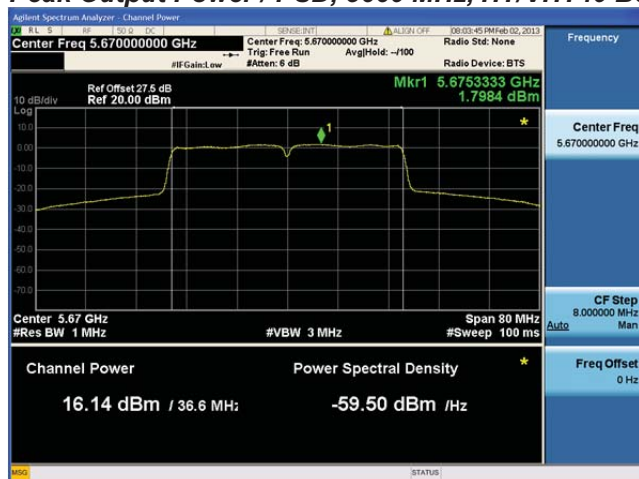
Antenna B



Antenna C

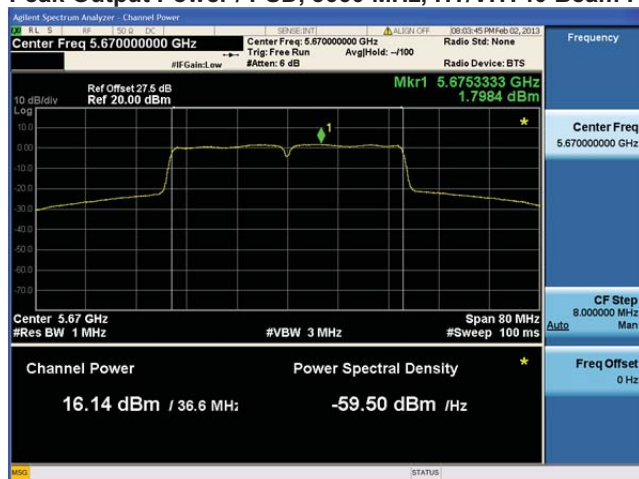
**Peak Output Power / PSD, 5660 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5660 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5660 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**



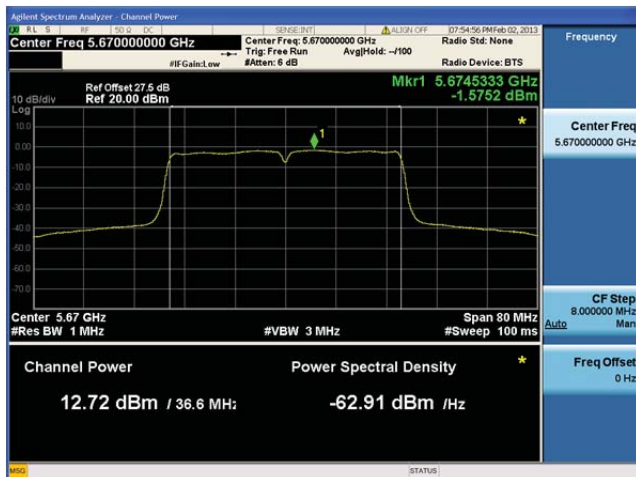
Peak Output Power / PSD, 5660 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2

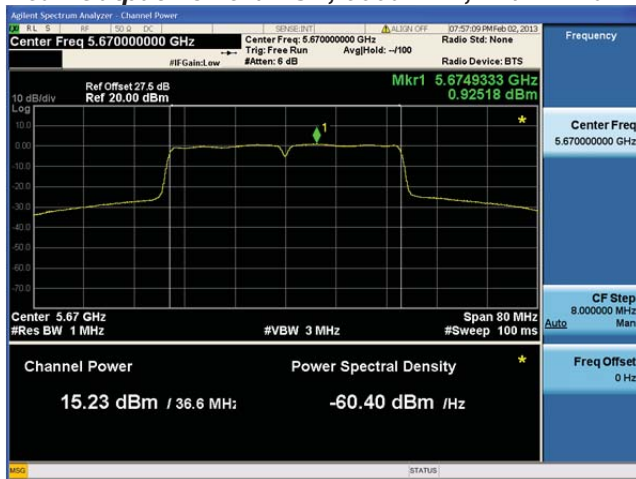
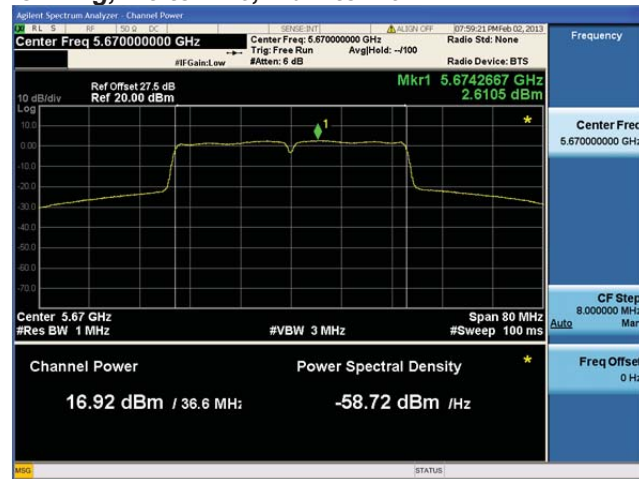


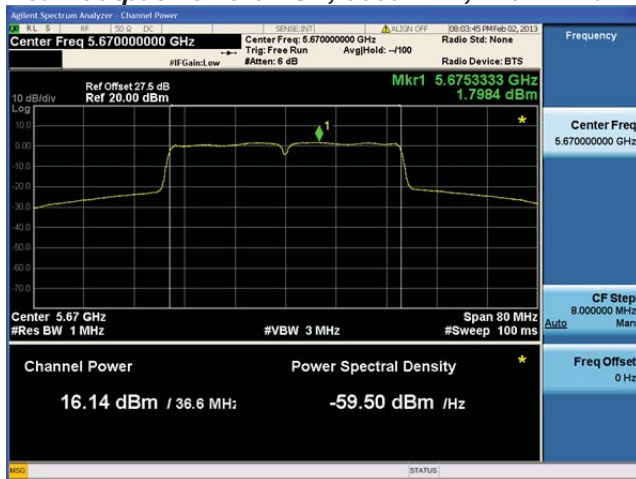
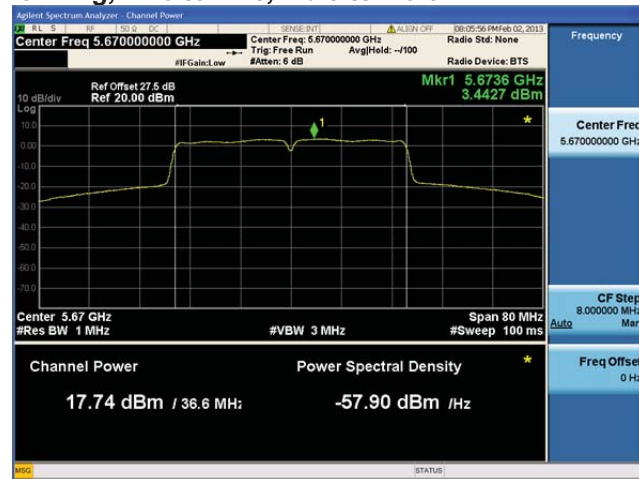
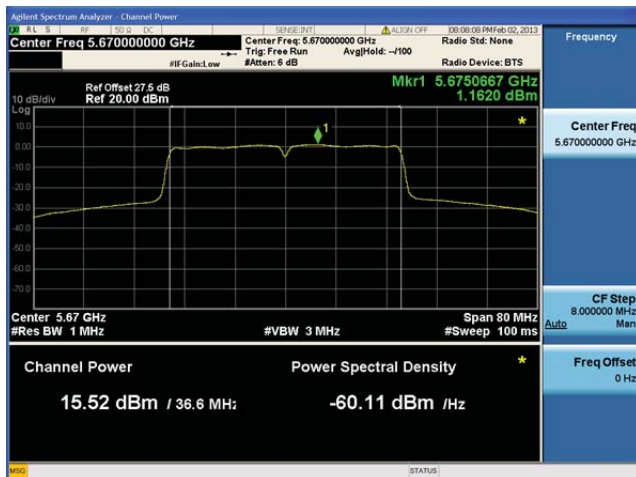
Antenna A

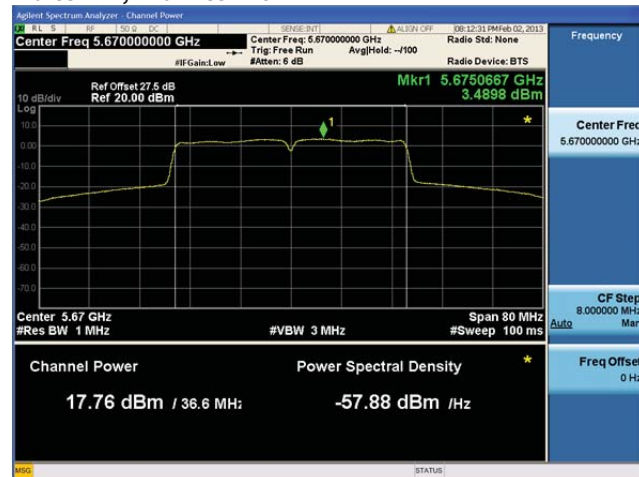


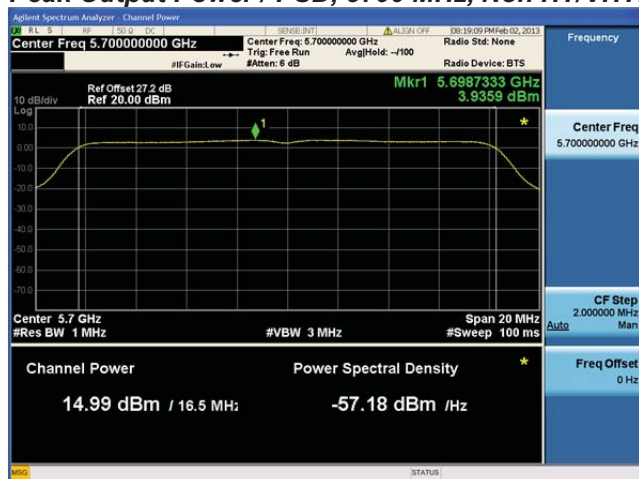
Antenna B

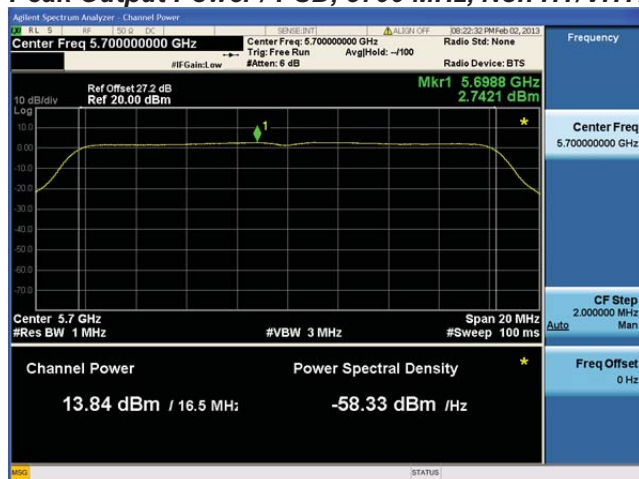
Peak Output Power / PSD, 5660 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5660 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5660 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5660 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5700 MHz, Non HT/VHT20, 6 to 54 Mbps****Antenna A**

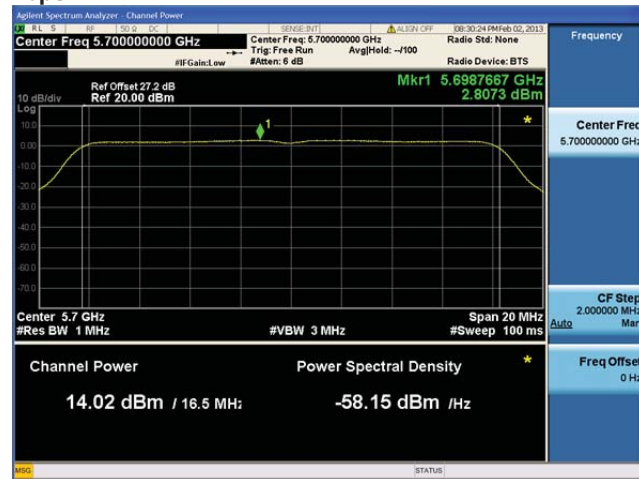
**Peak Output Power / PSD, 5700 MHz, Non HT/VHT20, 6 to 54 Mbps****Antenna A****Antenna B**



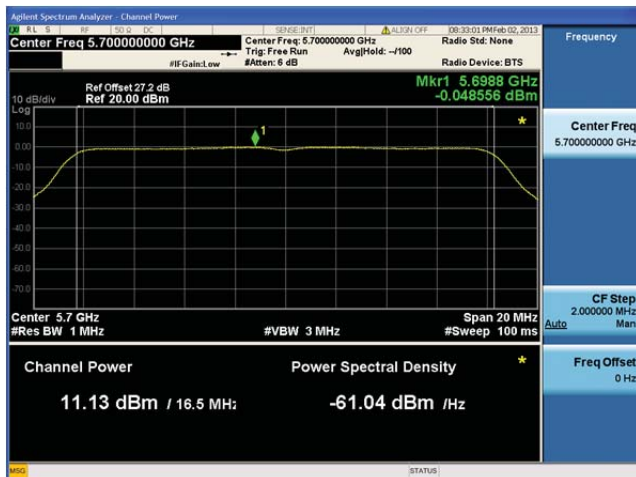
Peak Output Power / PSD, 5700 MHz, Non HT/VHT20, 6 to 54 Mbps



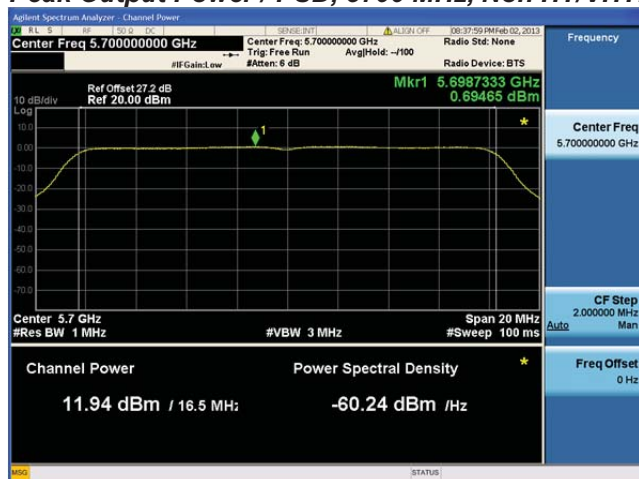
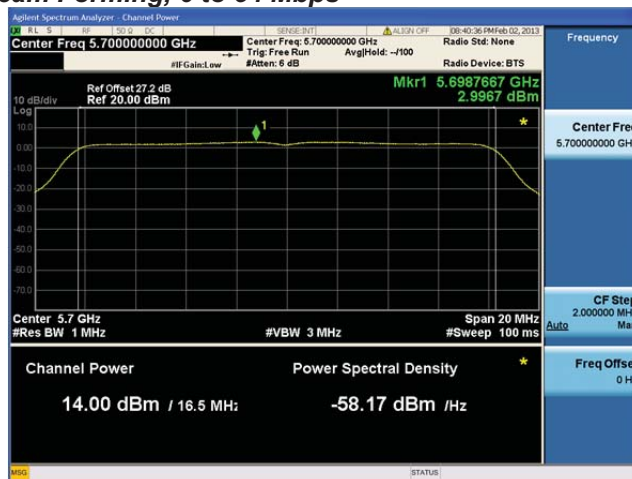
Antenna A

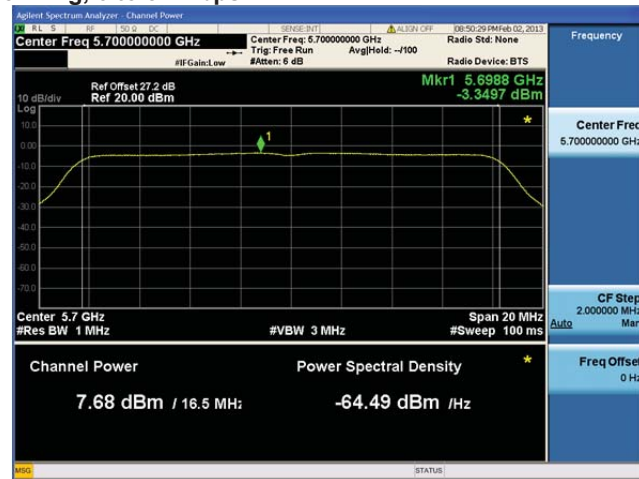
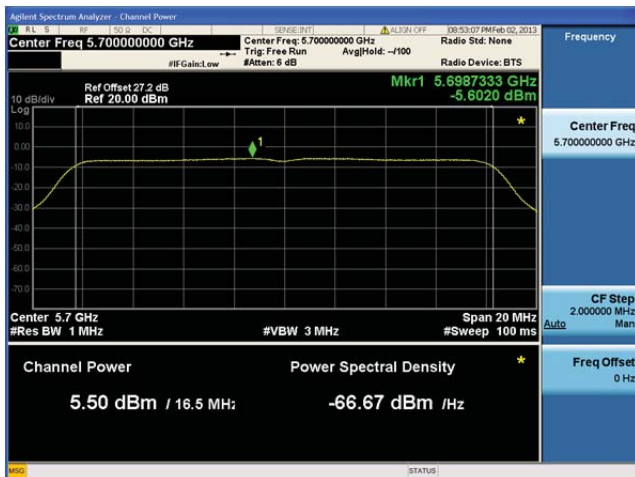


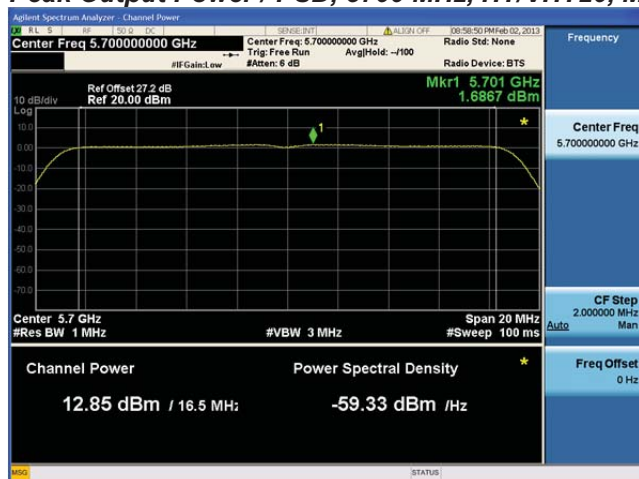
Antenna B

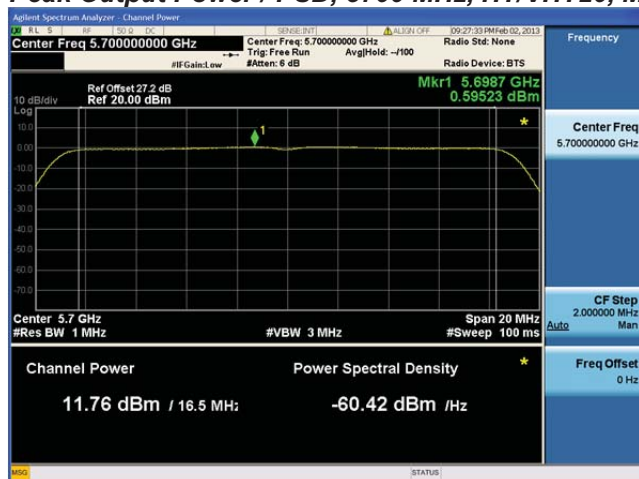


Antenna C

**Peak Output Power / PSD, 5700 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps****Antenna A****Antenna B**

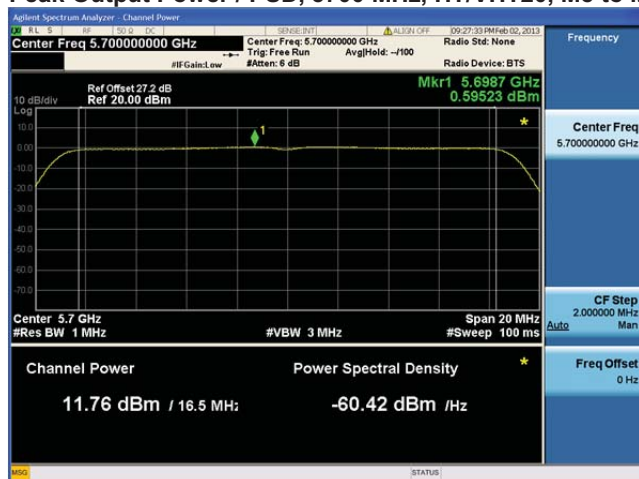
**Peak Output Power / PSD, 5700 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5700 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1****Antenna A**

**Peak Output Power / PSD, 5700 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**



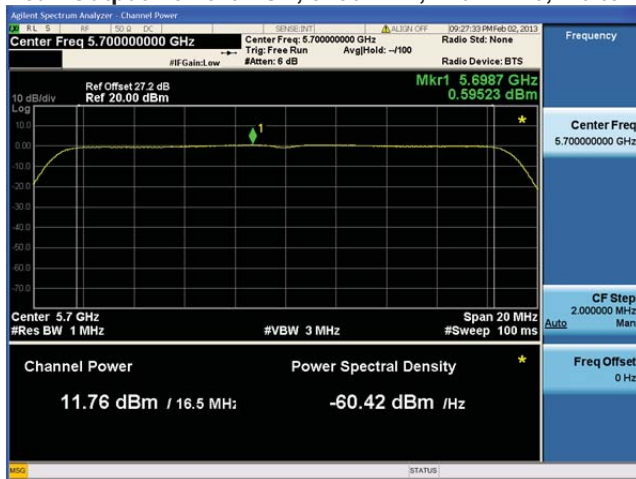
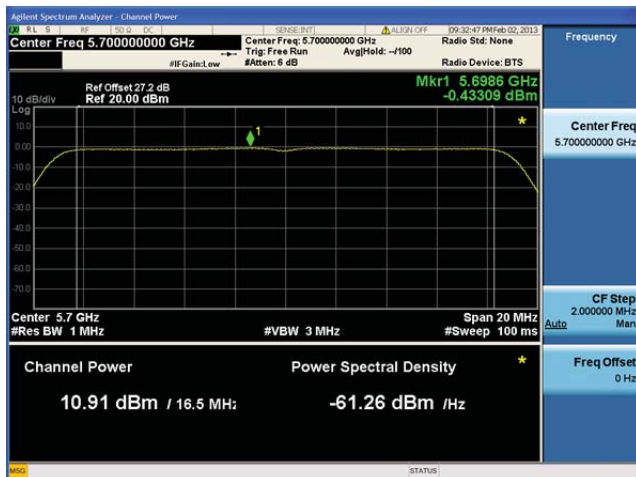
Peak Output Power / PSD, 5700 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2

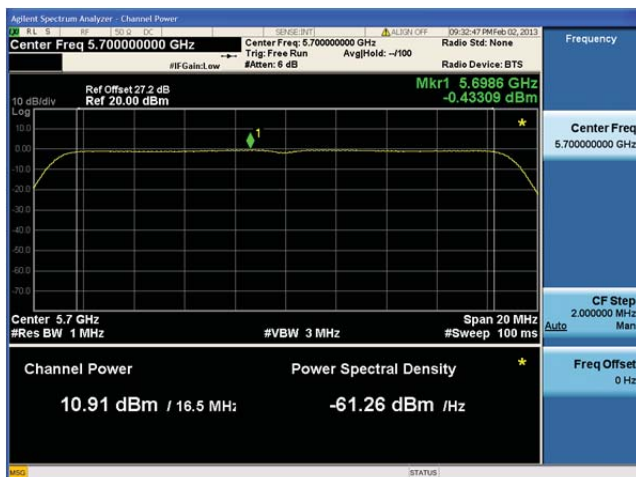


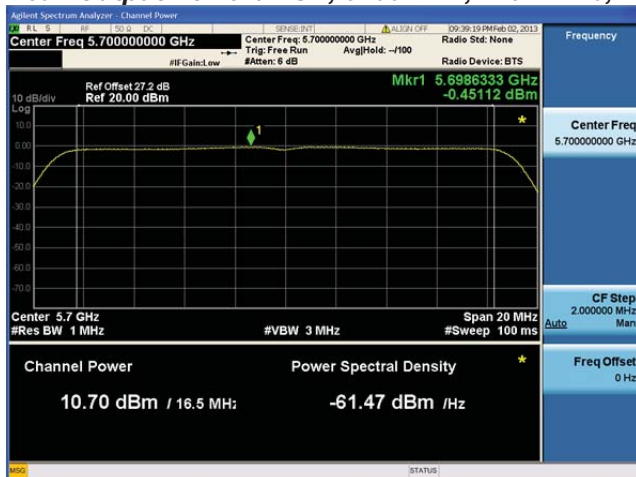
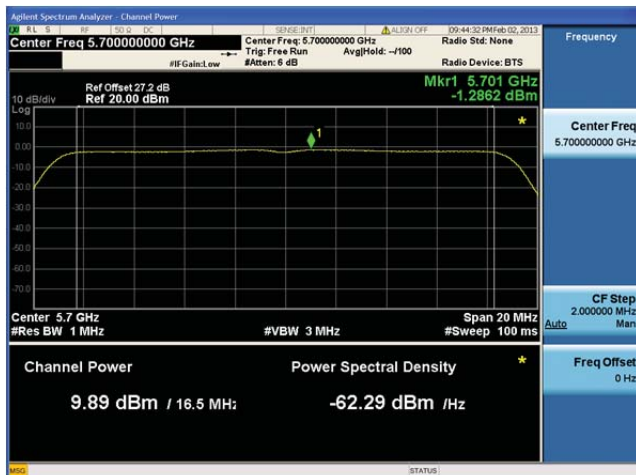
Antenna A

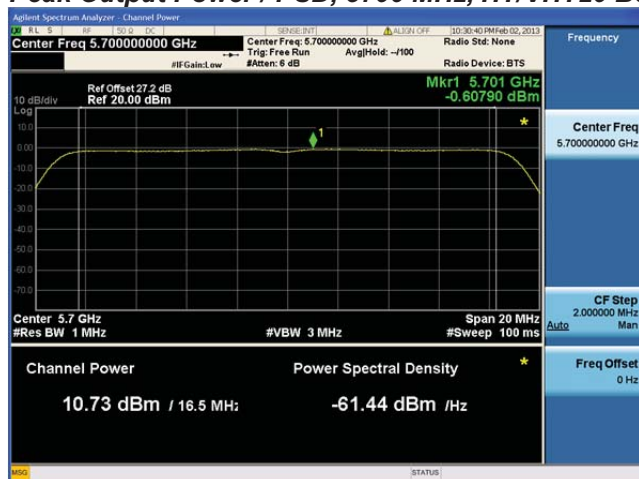


Antenna B

Peak Output Power / PSD, 5700 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5700 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5700 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5700 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**



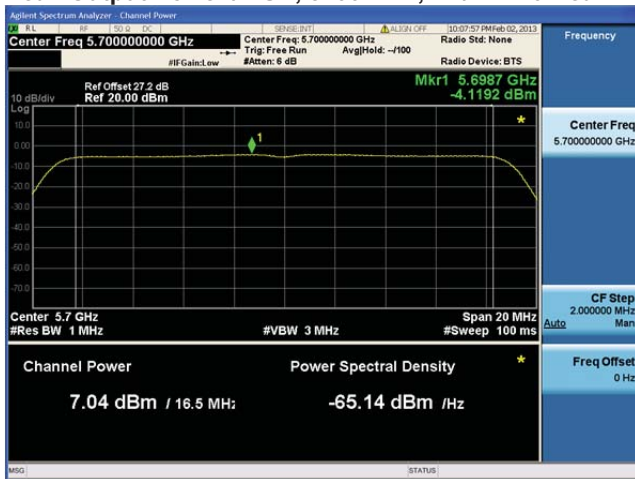
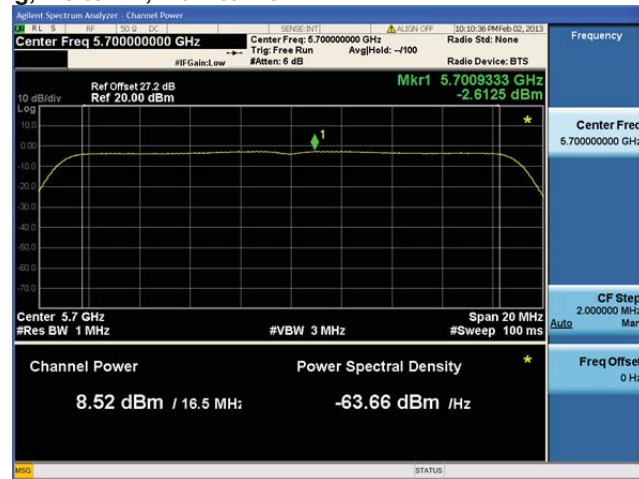
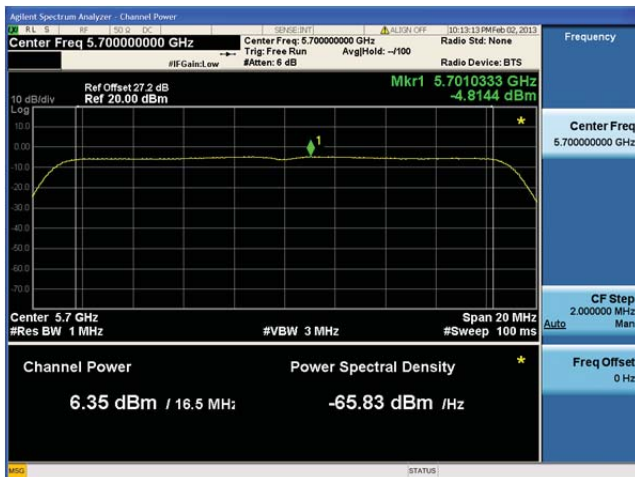
Peak Output Power / PSD, 5700 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2



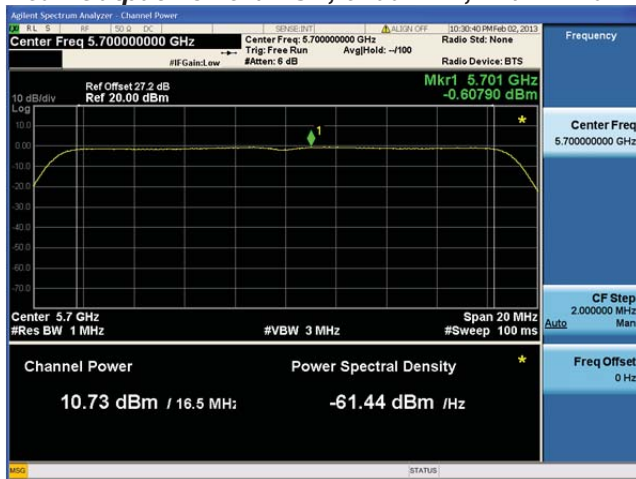
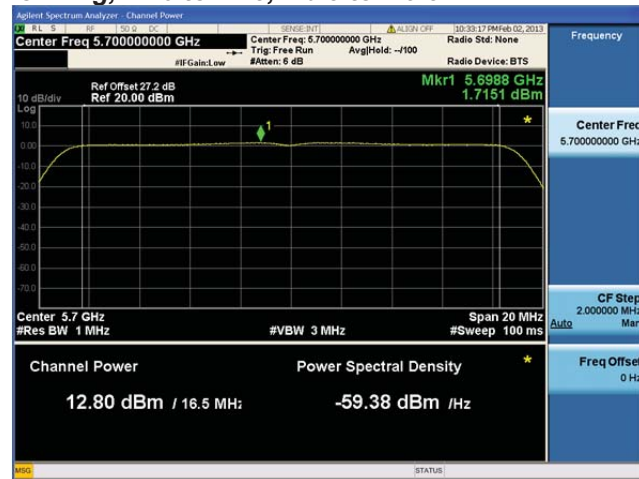
Antenna A

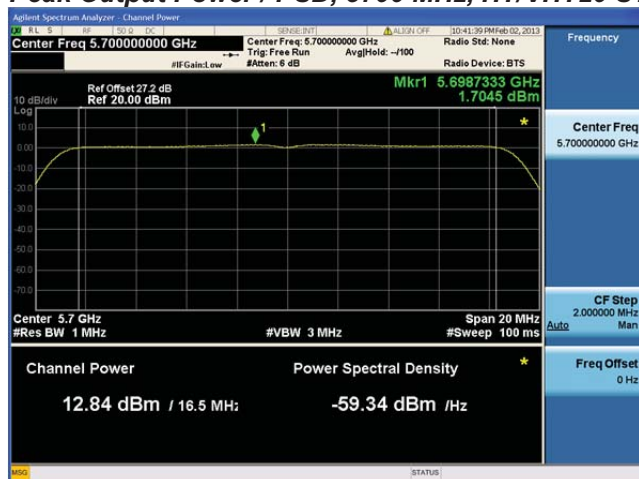
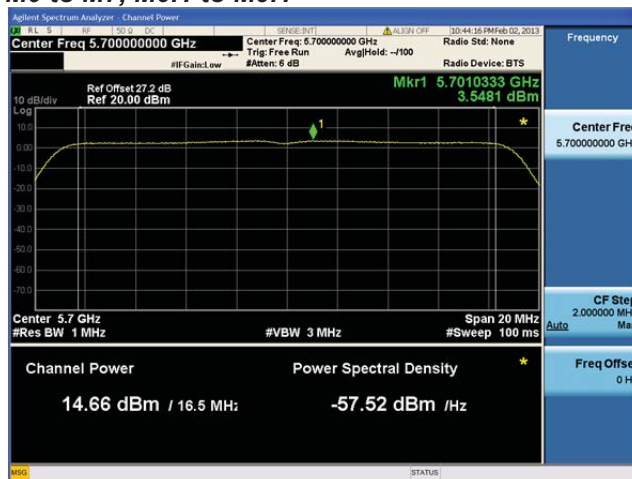


Antenna B

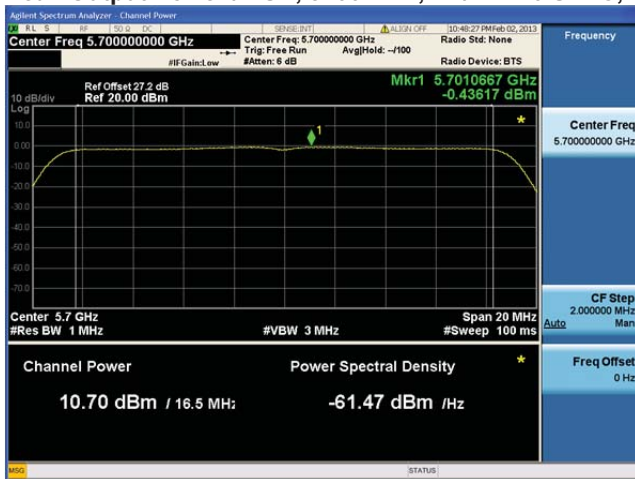
Peak Output Power / PSD, 5700 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5700 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

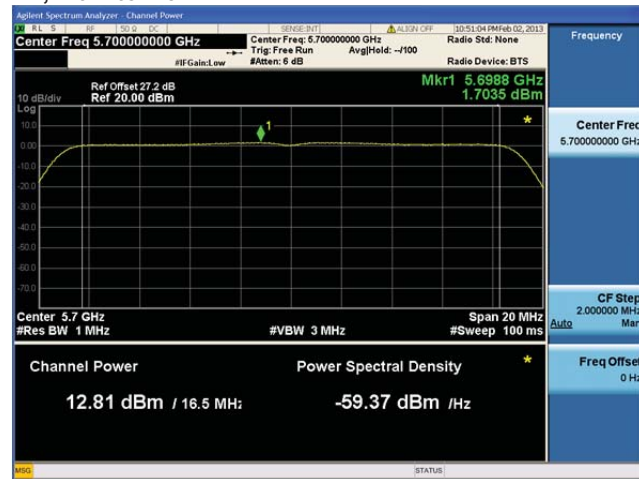
**Peak Output Power / PSD, 5700 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5700 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**

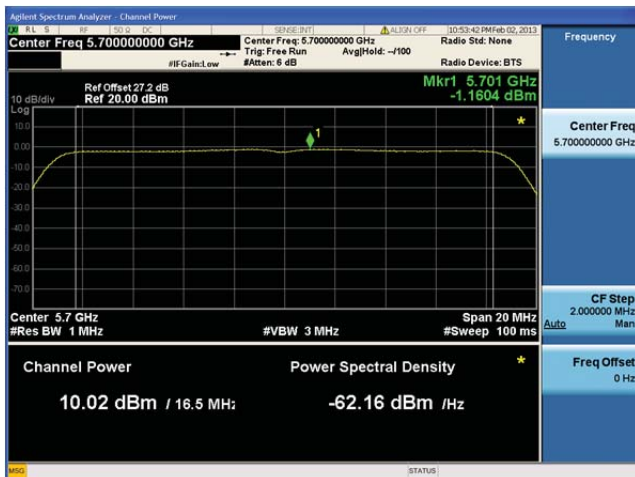
Peak Output Power / PSD, 5700 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1



Antenna A



Antenna B



Antenna C



Peak Excursion

15.407: The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the maximum conducted output power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

Set the spectrum analyzer span to view the entire emission bandwidth. The largest difference between the following two traces must be ≤ 13 dB for all frequencies across the emission bandwidth.

Set the spectrum analyzer span to view the entire emission bandwidth. The largest difference between the following two traces must be ≤ 13 dB for all frequencies across the emission bandwidth.

1st Trace: (Peak)

Set Span to encompass the entire emission bandwidth of the signal.

RBW = 1 MHz, VBW = 3 MHz

Detector = Peak

Sweep = Auto

Trace 1 = Max-hold

Ref Level Offset = correct for attenuator and cable loss

Ref Level = 20dBm

Atten = 10dBm

2nd Trace: (Average)

Trace 2 = clear right

Detector = Sample

Avg/VBW type = Pwr(RMS)

Average = 100

Sweep = single

Set marker Deltas

Trace 1 & Peak search

Marker Delta

Trace 2 & Peak search

Record the difference between the Peak and Average Markers

Frequency (MHz)	Mode	Data Rate (Mbps)	Peak Excursion (dB)	Limit (dBm/MHz)	Margin (dB)
5500	Non HT/VHT20, 6 to 54 Mbps	6	7.1	13	5.9
	HT/VHT20, M0 to M23, M0.1 to M9.3	M0.	6.8	13	6.2
	Non HT/VHT40, 6 to 54 Mbps	6	7.3	13	5.7
	HT/VHT40, M0 to M23, M0.1 to M9.3	M0.	7.3	13	5.7
	Non HT/VHT80, 6 to 54 Mbps	6	6.9	13	6.1
	HT/VHT80, M0 to M23, M0.1 to M9.3	M0x1	8.1	13	4.9
5540	Non HT/VHT40, 6 to 54 Mbps	6	7	13	6
	HT/VHT40, M0 to M23, M0.1 to M9.3	M0.	7.5	13	5.5
5580	Non HT/VHT20, 6 to 54 Mbps	6	7.1	13	5.9
	HT/VHT20, M0 to M23, M0.1 to M9.3	M0.	7.4	13	5.6
5660	Non HT/VHT40, 6 to 54 Mbps	6	7.1	13	5.9
	HT/VHT40, M0 to M23, M0.1 to M9.3	M0.	7.4	13	5.6
5700	Non HT/VHT20, 6 to 54 Mbps	6	7.1	13	5.9
5700	HT/VHT20, M0 to M23, M0.1 to M9.3	M0.	7.1	13	5.9