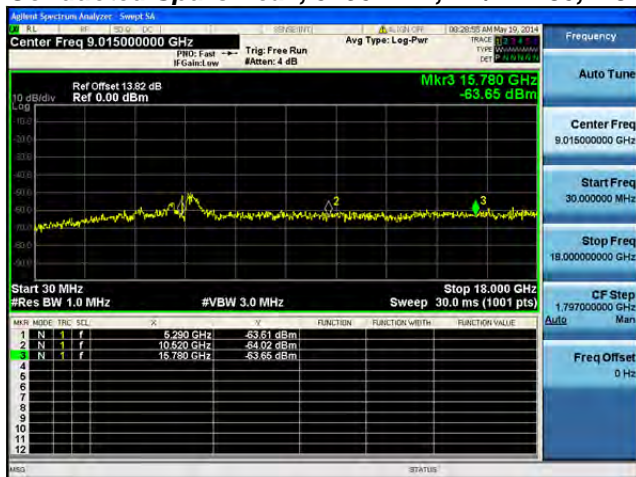
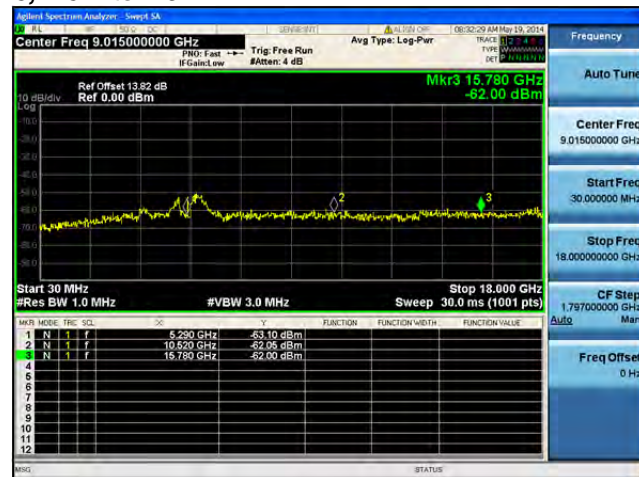
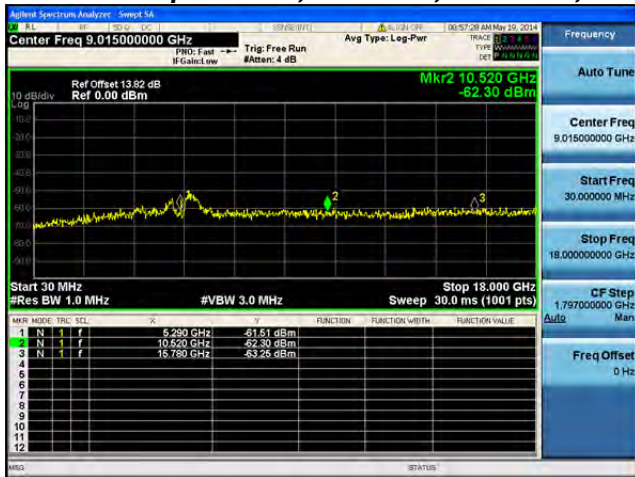
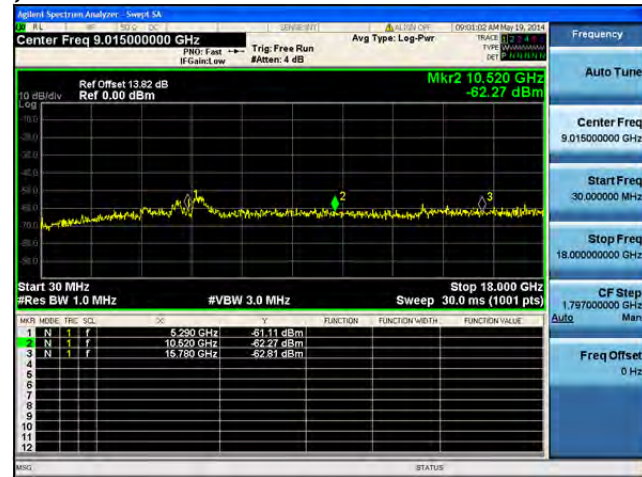
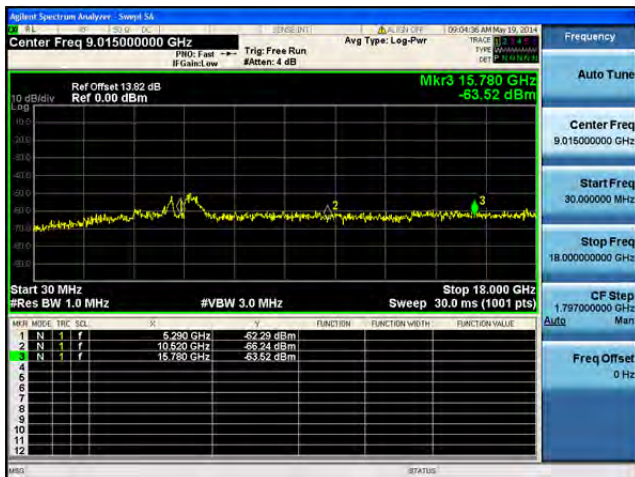
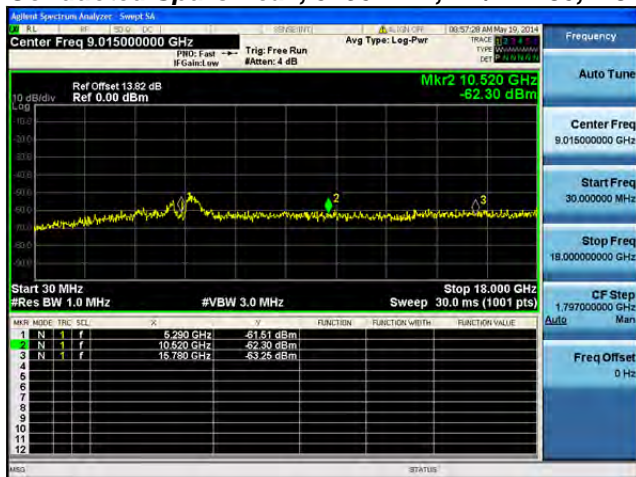
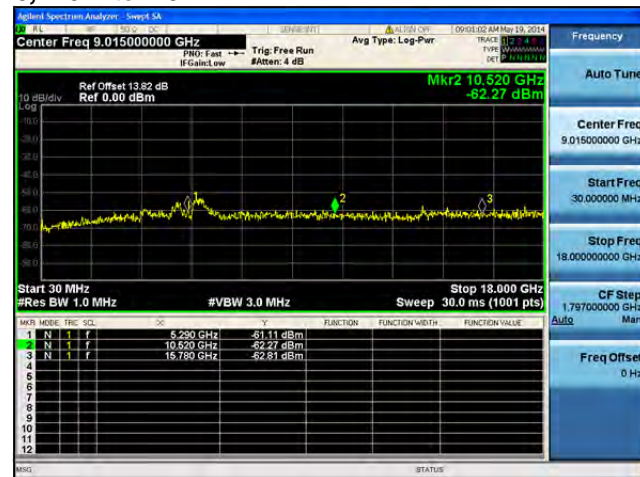
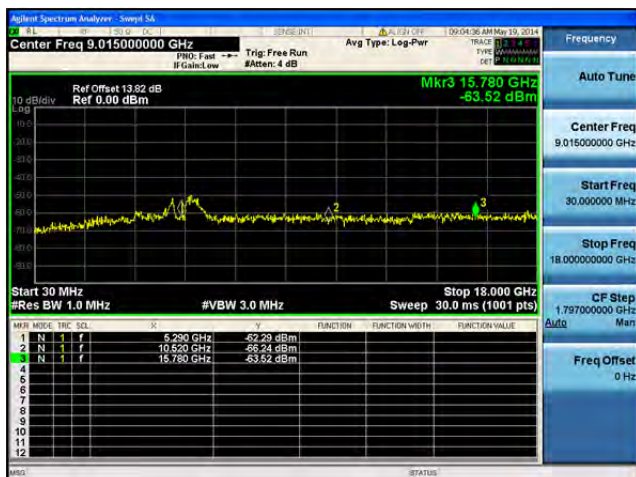
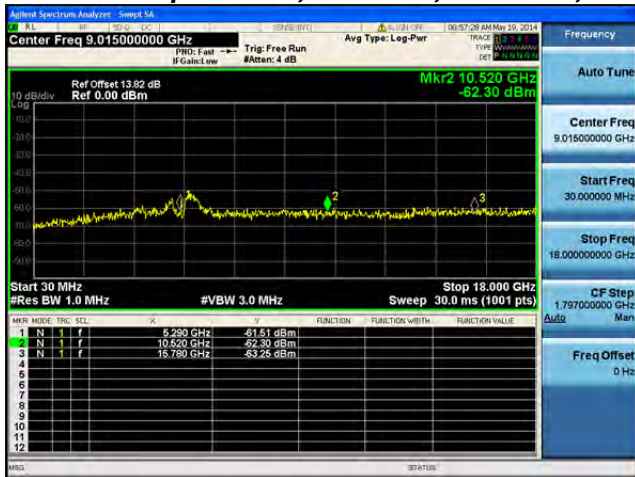
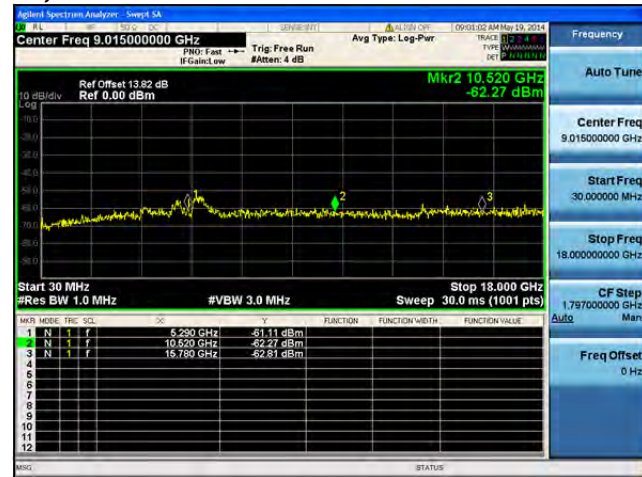
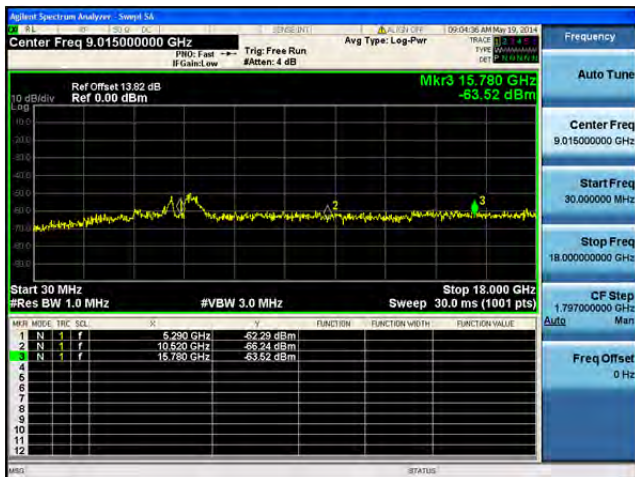


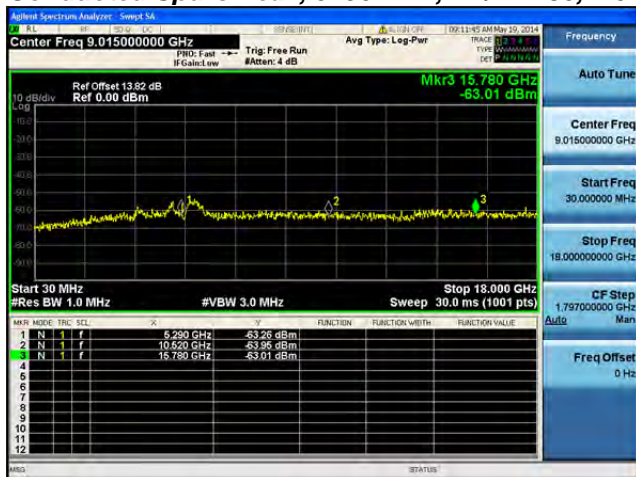
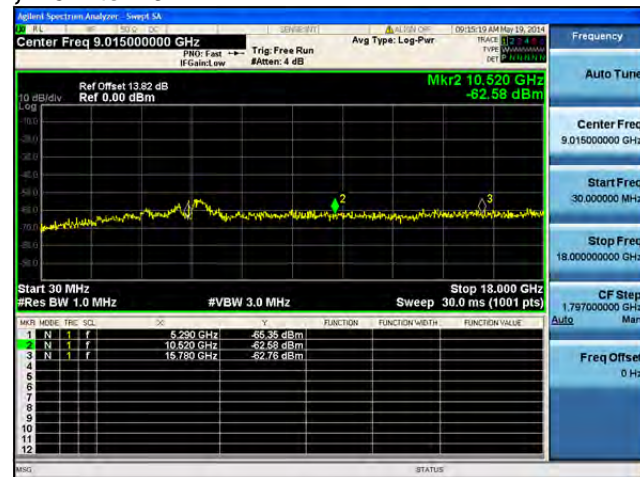
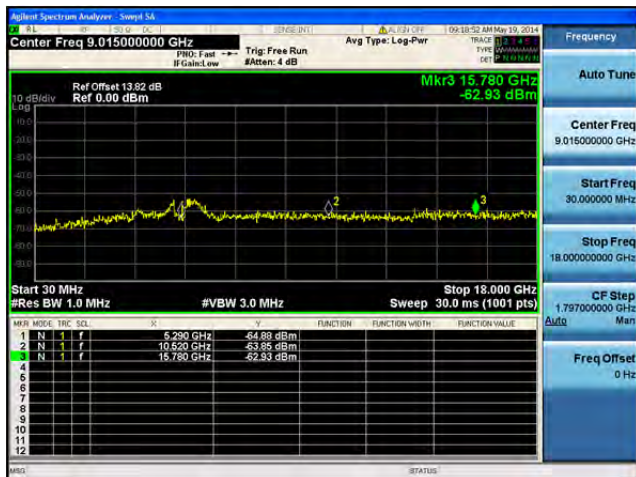
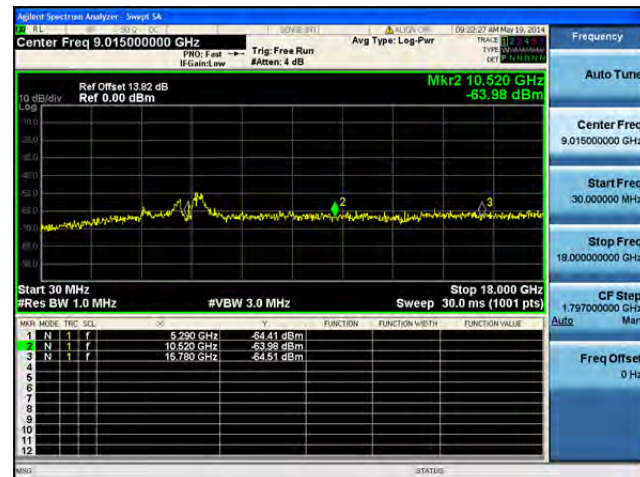
**Conducted Spurs Peak, 5290 MHz, HT/VHT80, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B**

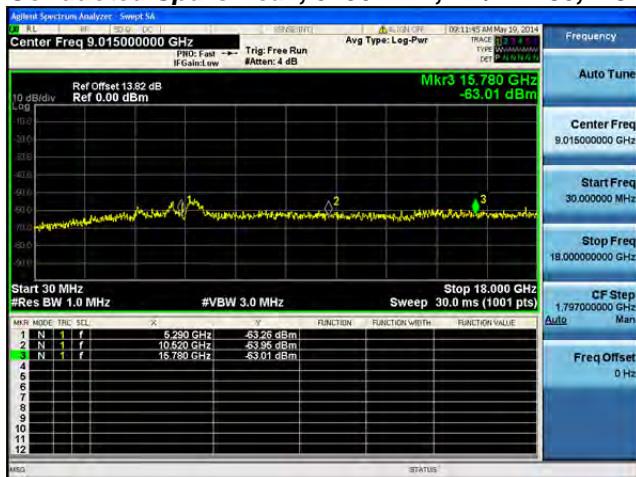
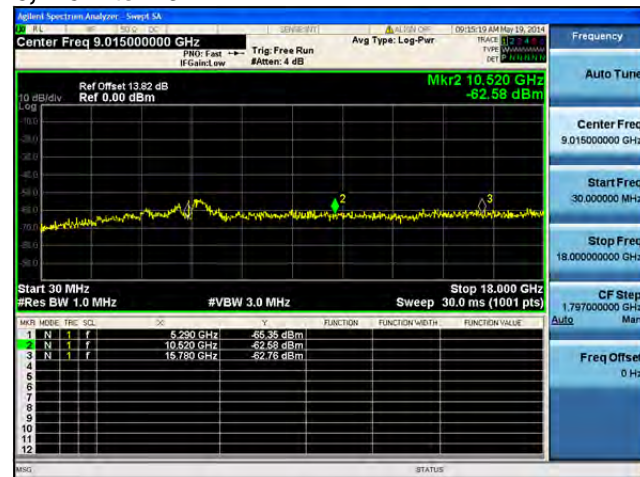
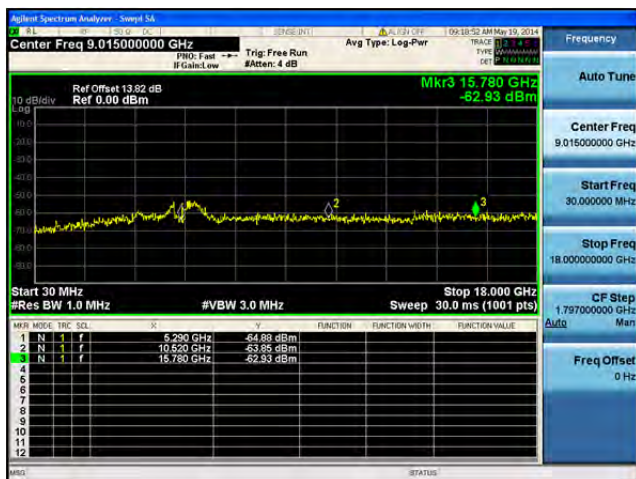
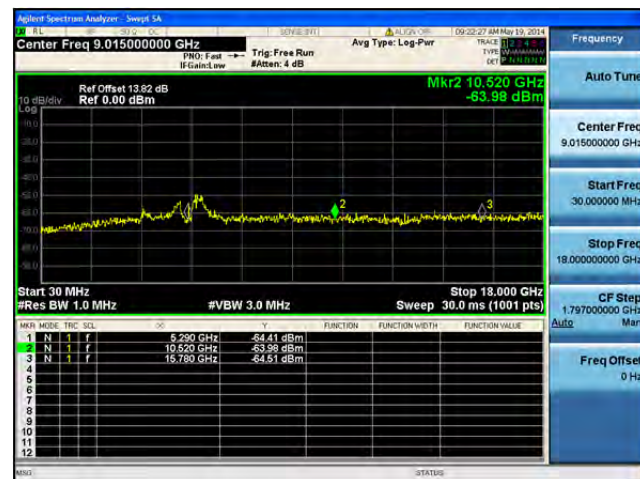
**Conducted Spurs Peak, 5290 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5290 MHz, HT/VHT80, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

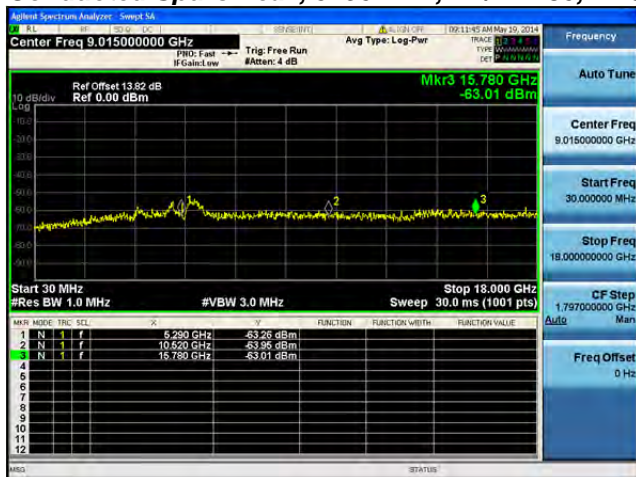
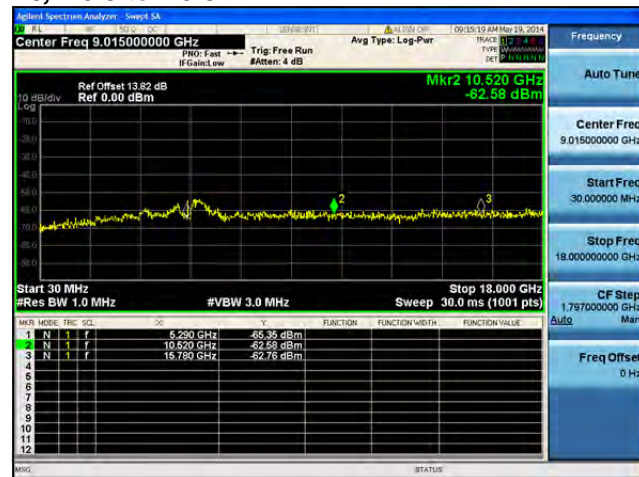
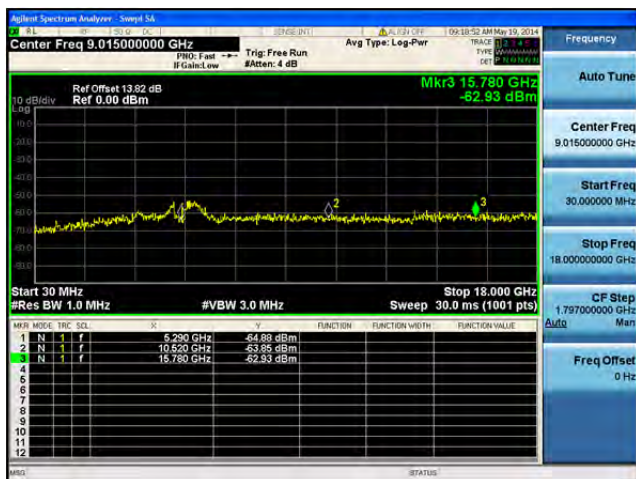
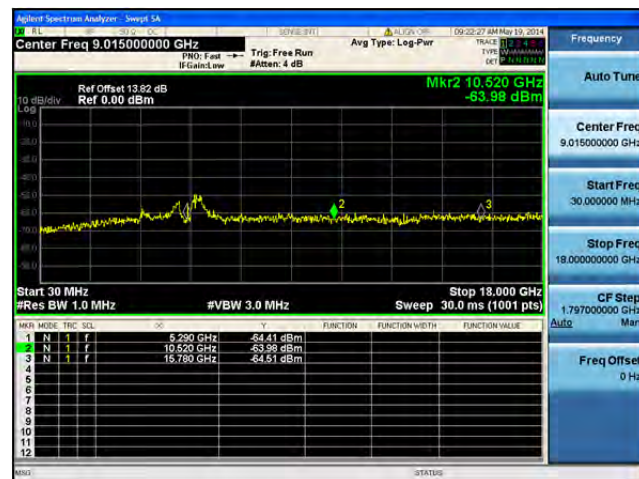
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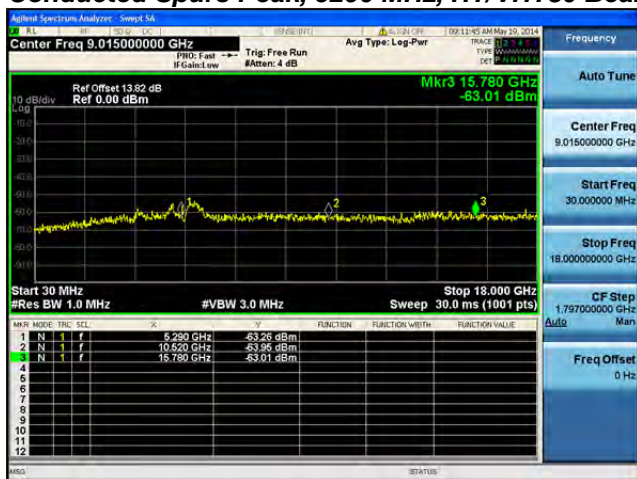


**Conducted Spurs Peak, 5290 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

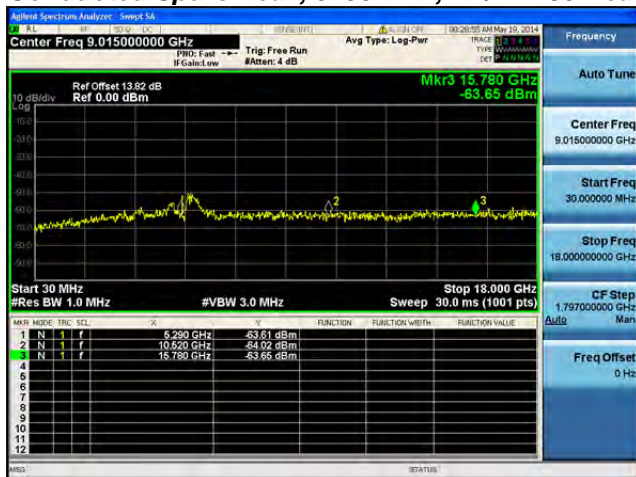
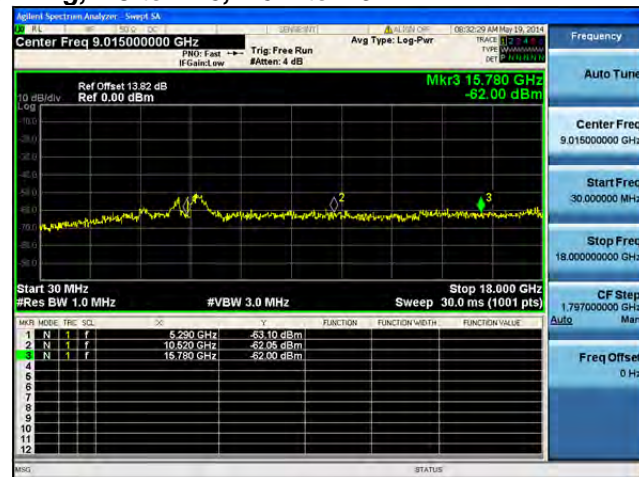
**Conducted Spurs Peak, 5290 MHz, HT/VHT80, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

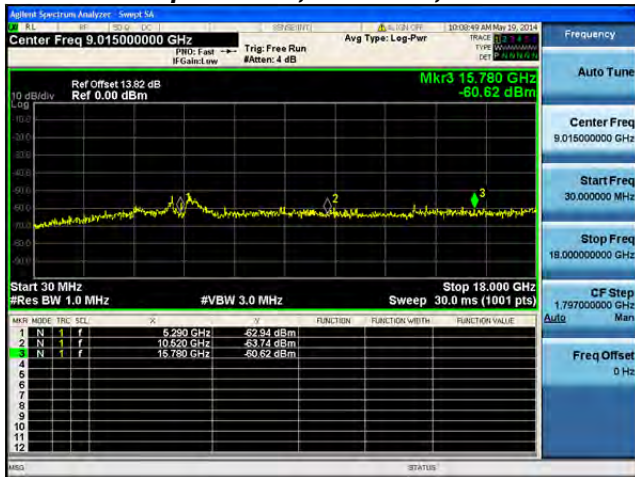
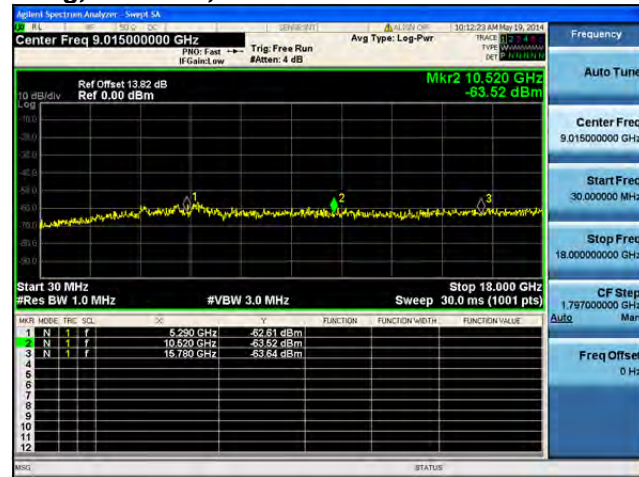
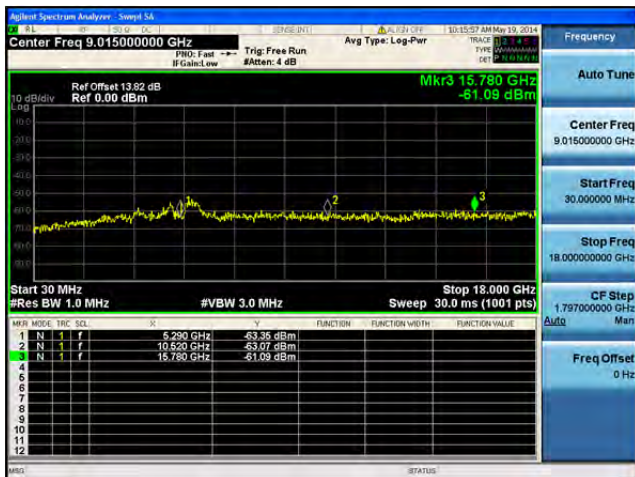


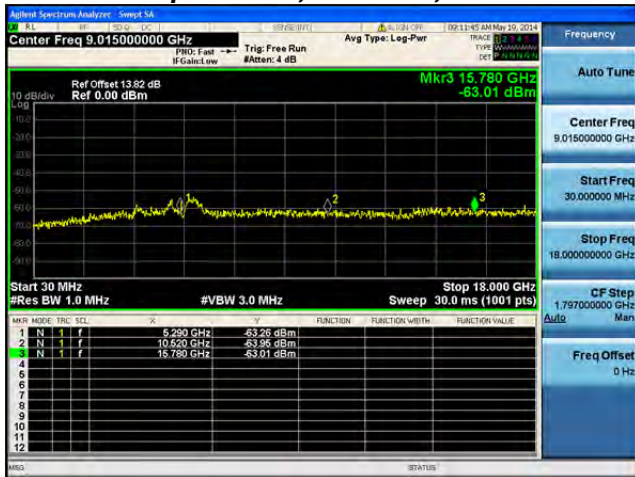
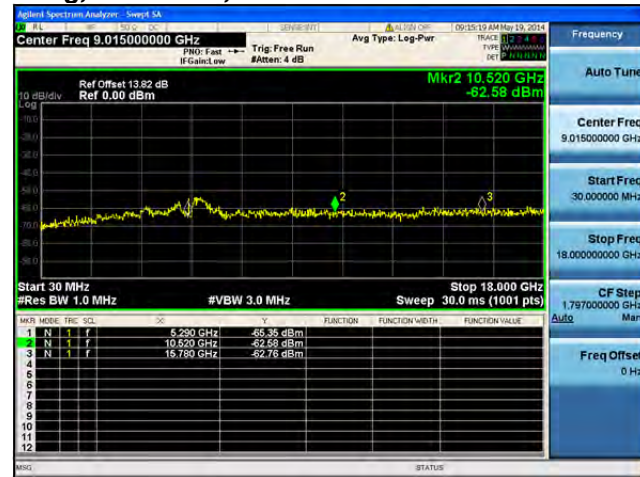
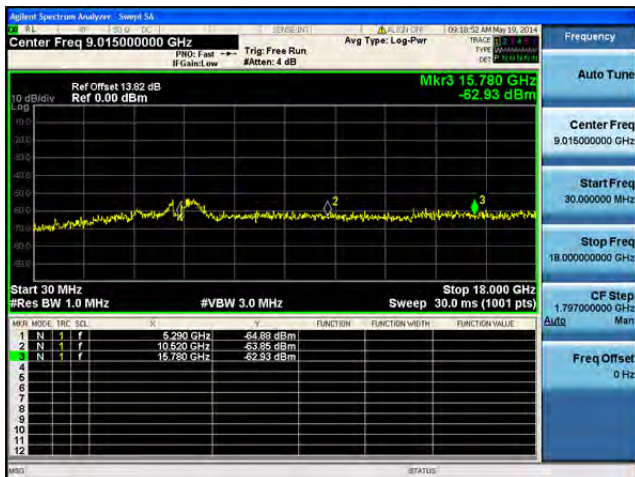
**Conducted Spurs Peak, 5290 MHz, HT/VHT80, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Spurs Peak, 5290 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**

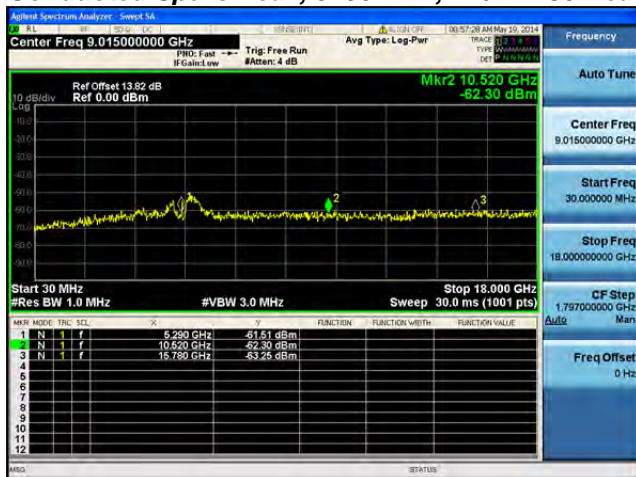
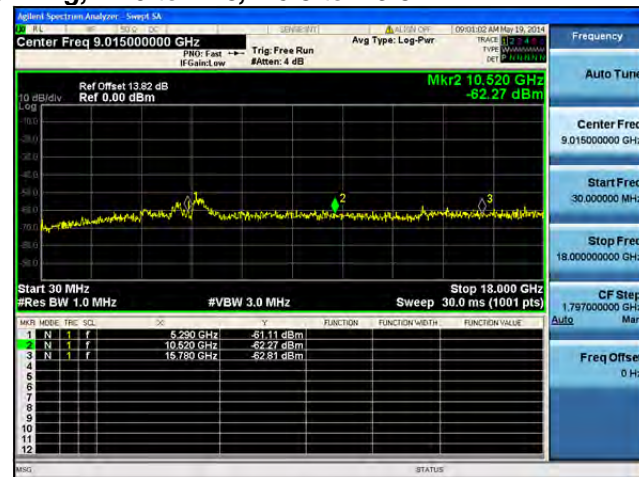
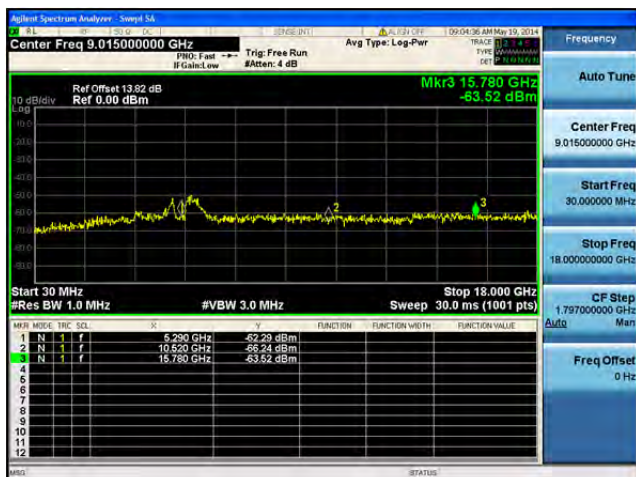


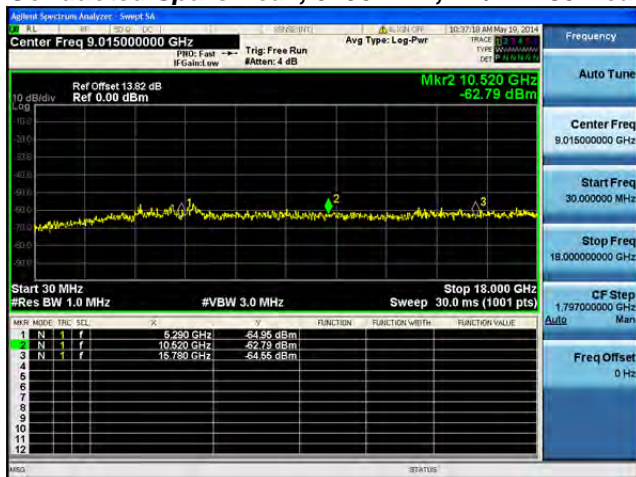
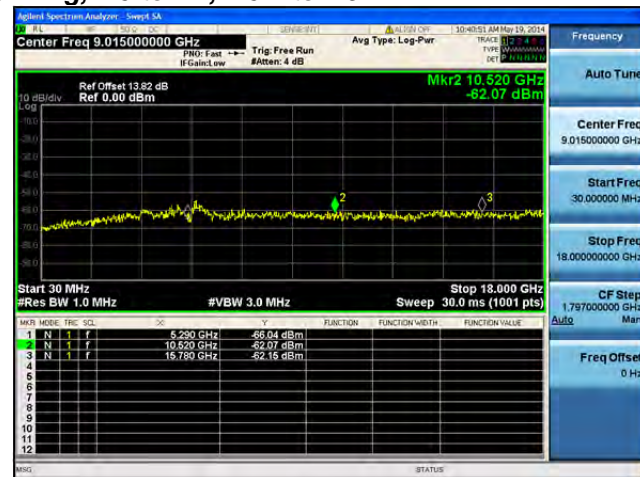
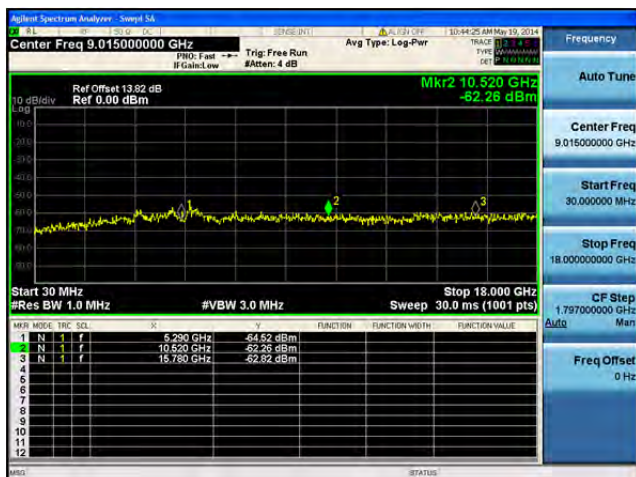
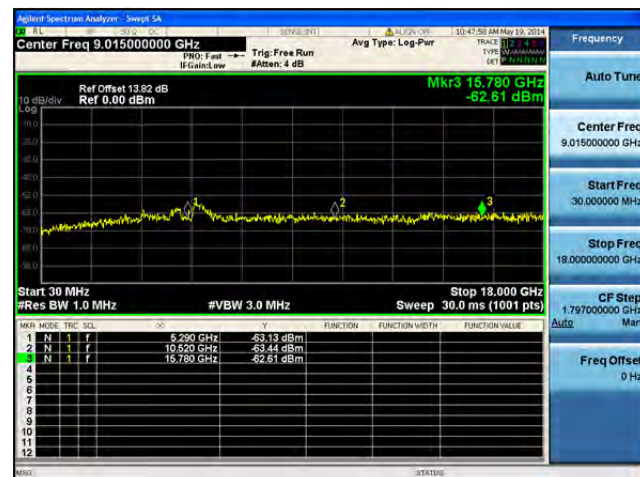
**Conducted Spurs Peak, 5290 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B**

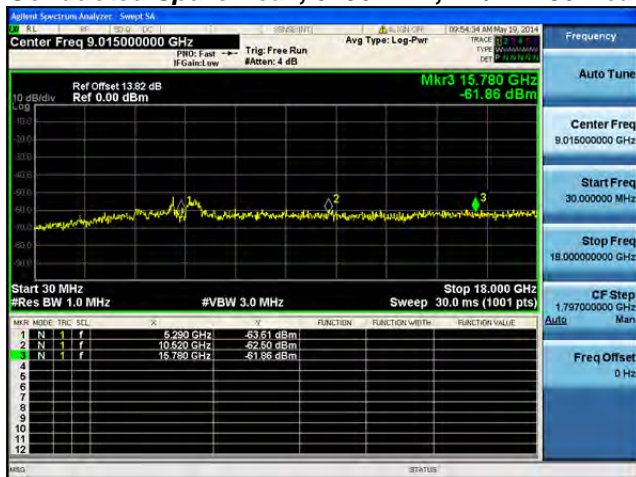
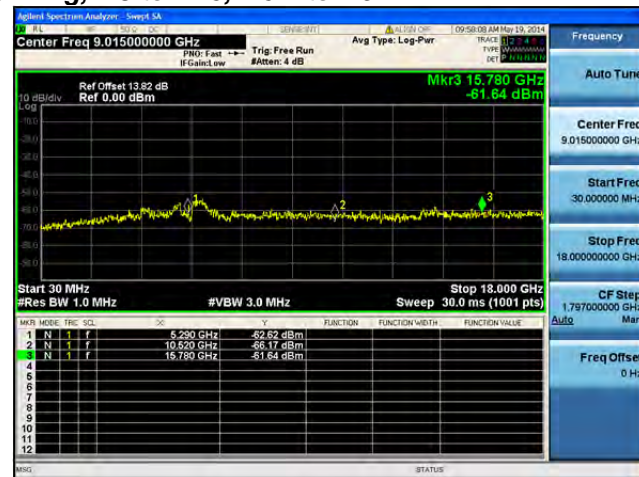
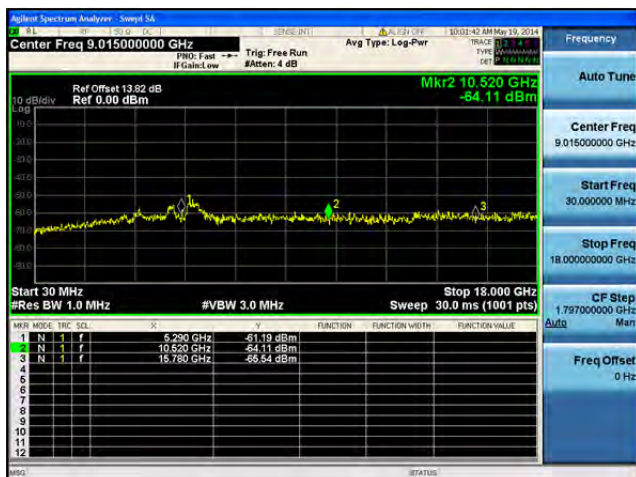
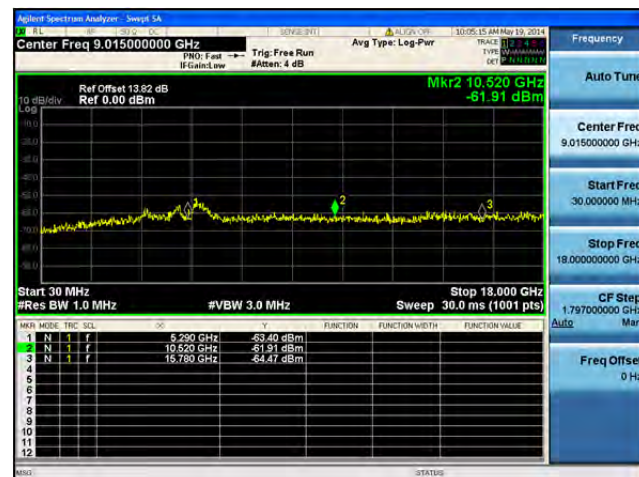
**Conducted Spurs Peak, 5290 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5290 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

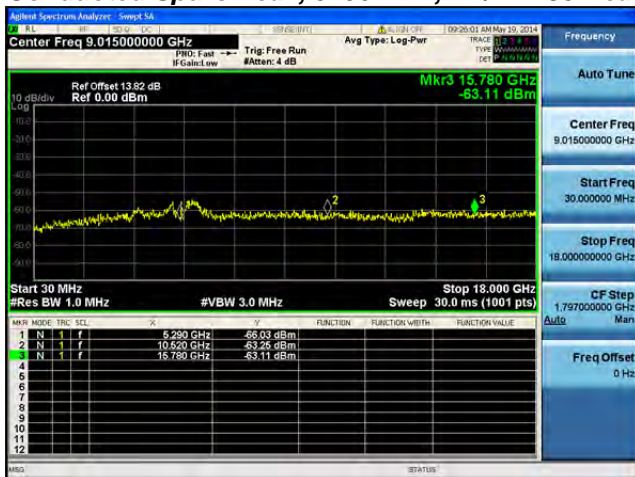
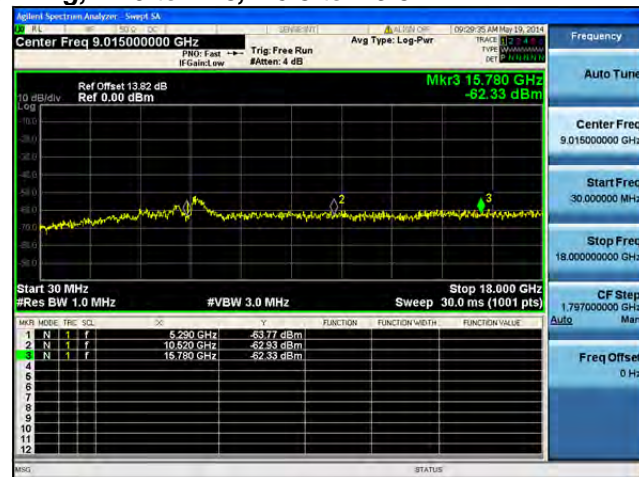
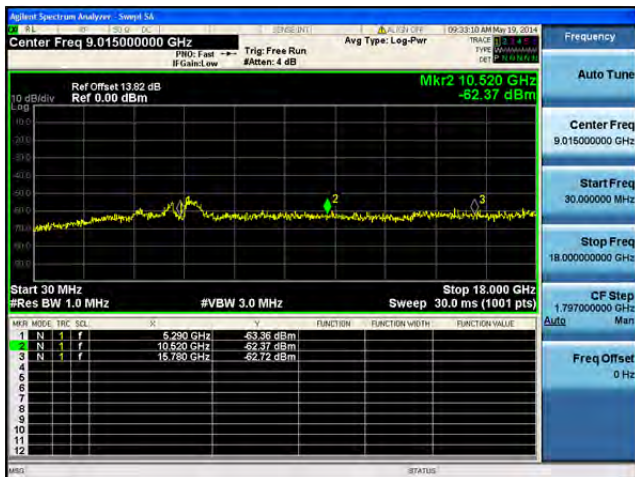
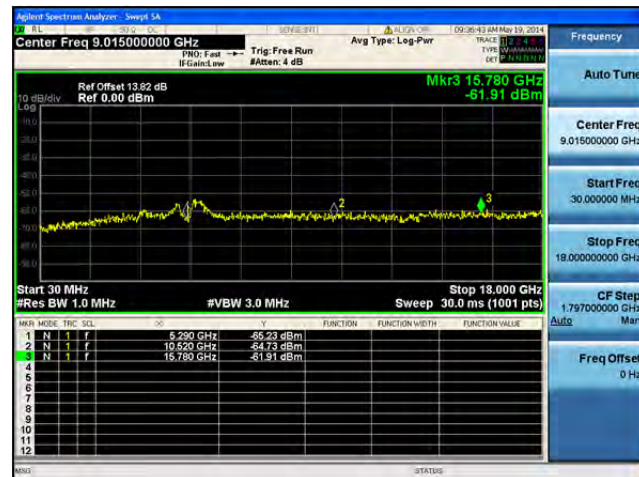


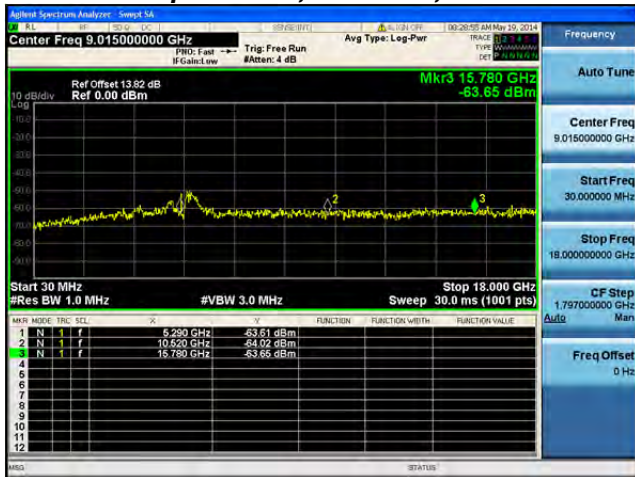
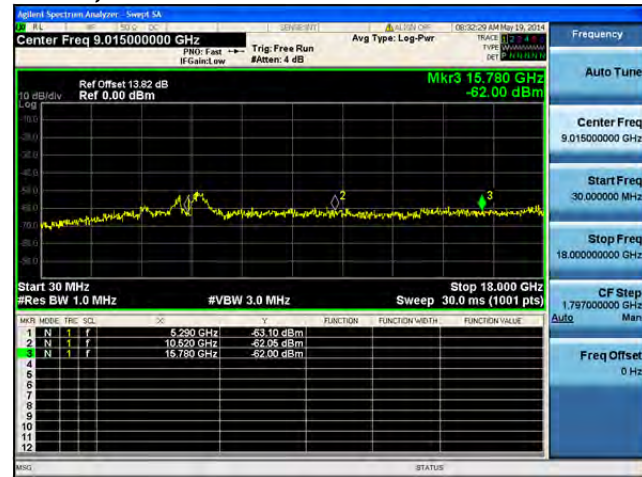
**Conducted Spurs Peak, 5290 MHz, HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

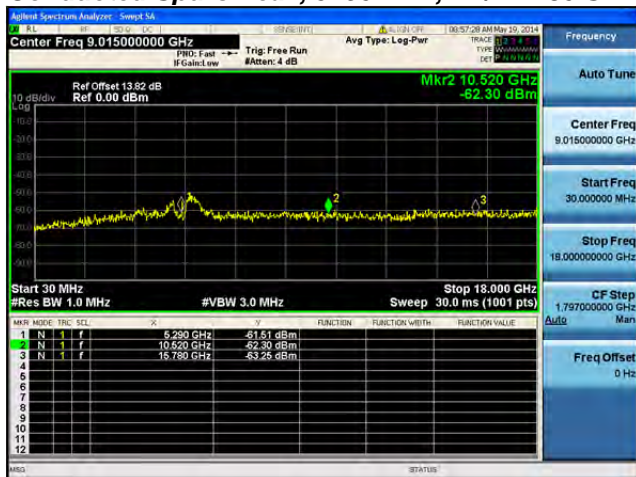
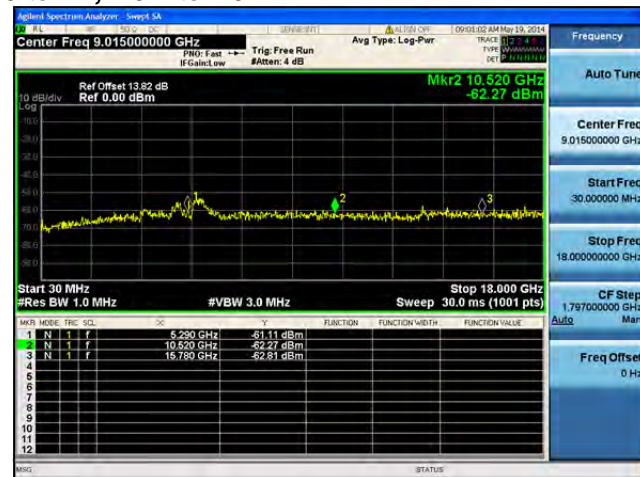
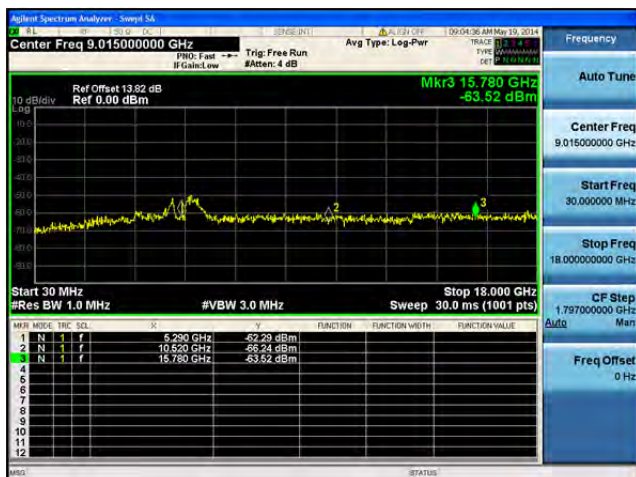
**Conducted Spurs Peak, 5290 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Spurs Peak, 5290 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

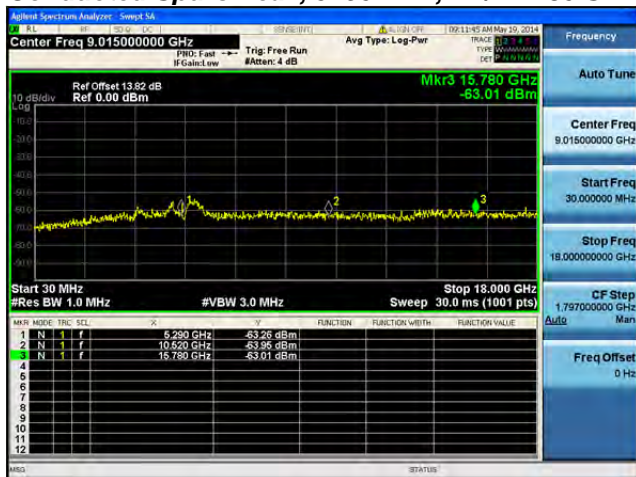
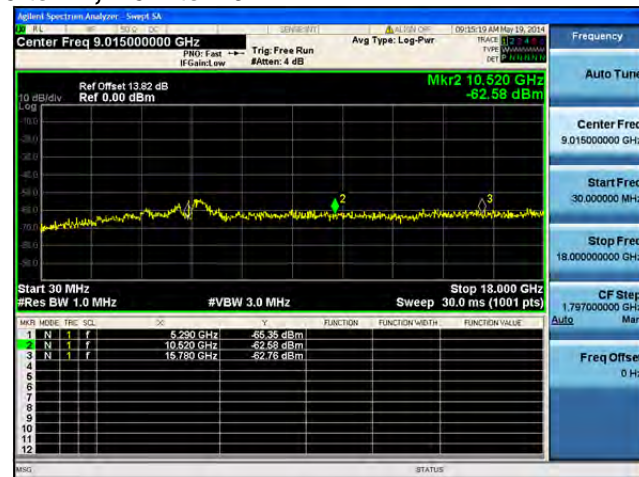
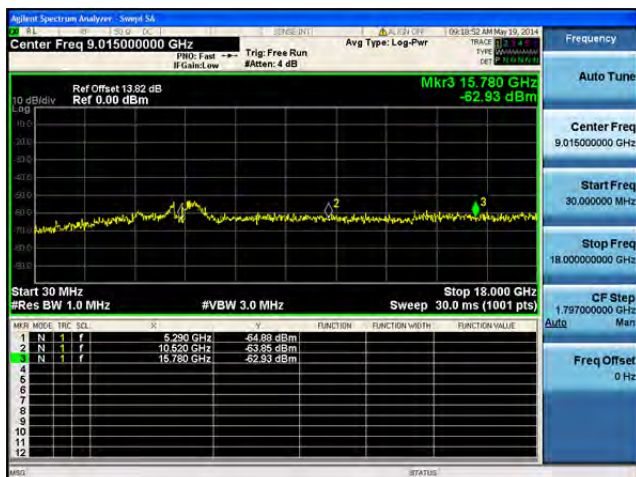
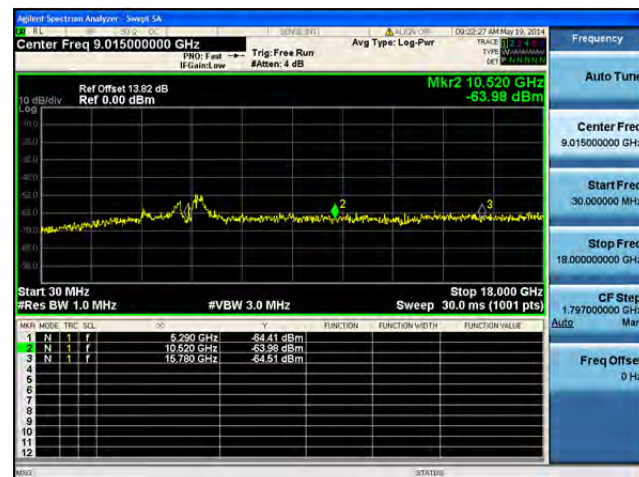


**Conducted Spurs Peak, 5290 MHz, HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

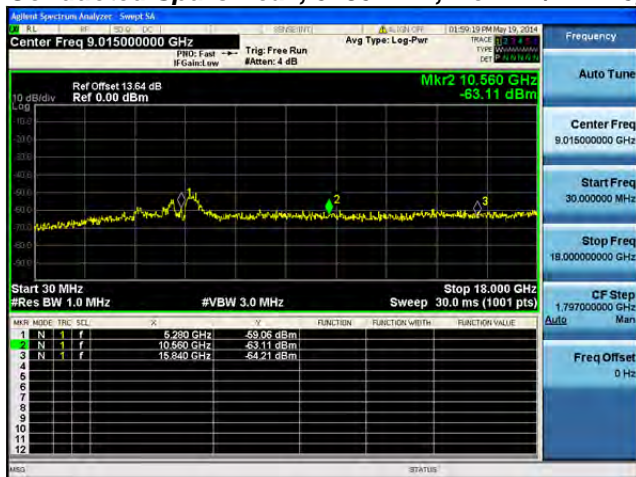
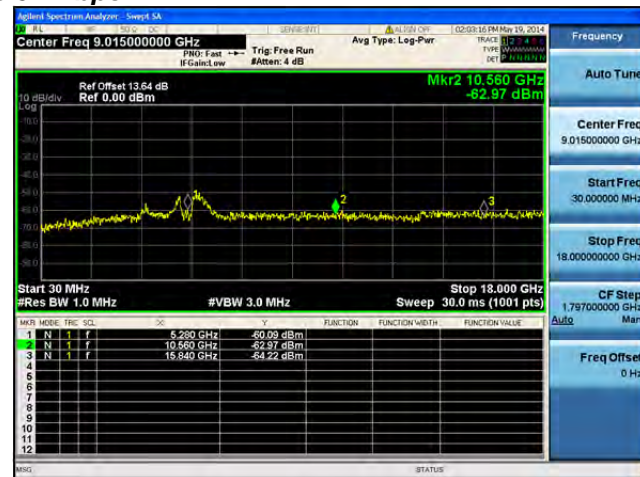
**Conducted Spurs Peak, 5290 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**

**Conducted Spurs Peak, 5290 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

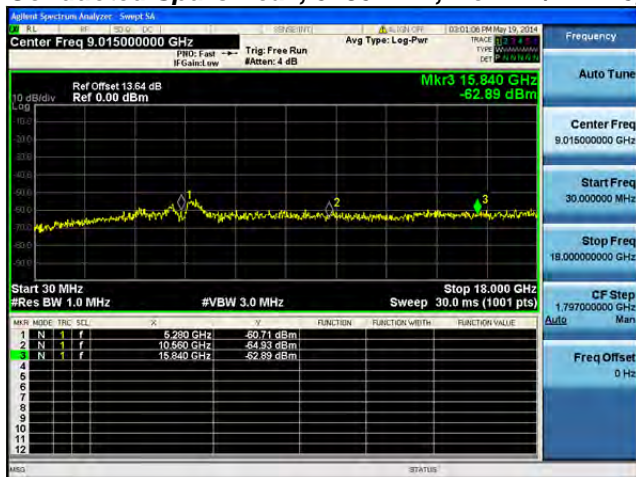
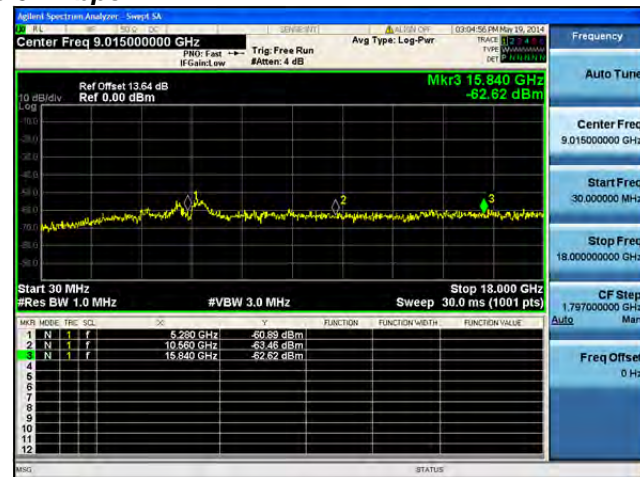
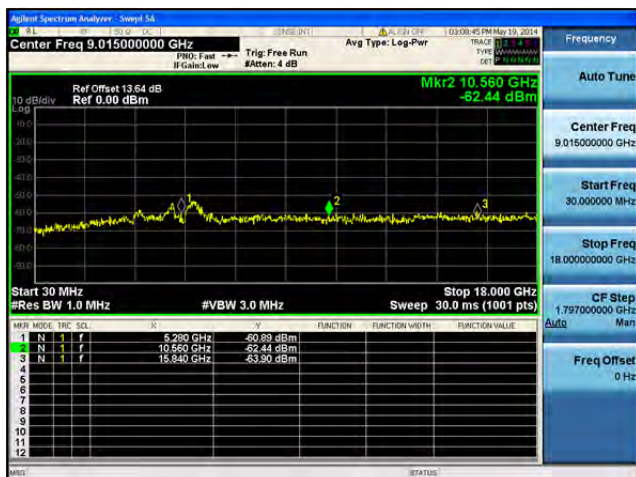


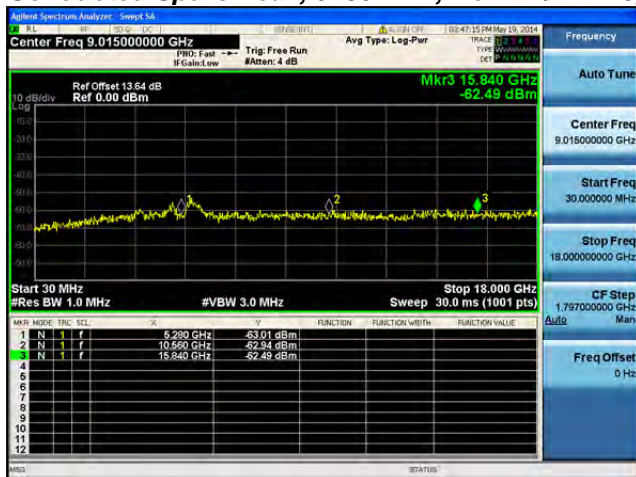
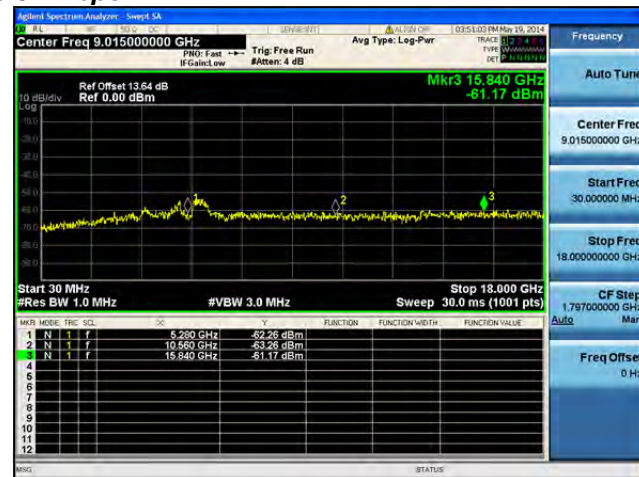
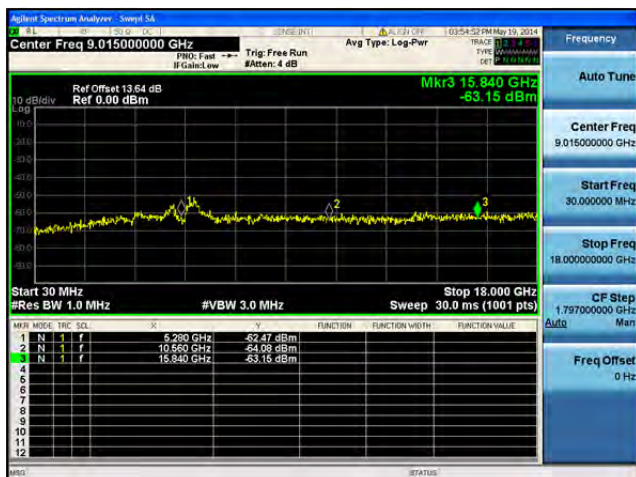
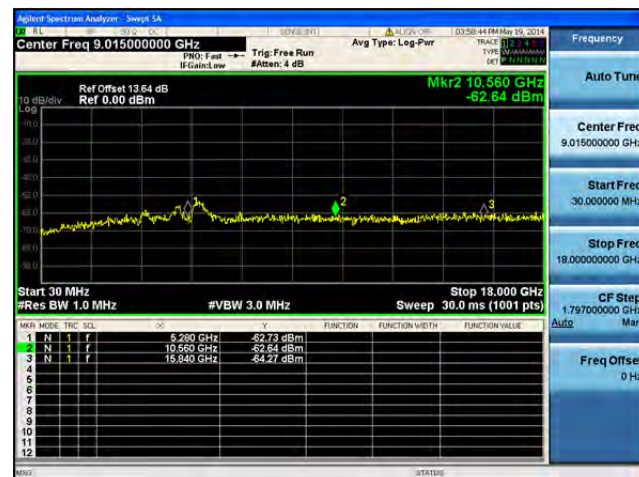
**Conducted Spurs Peak, 5290 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

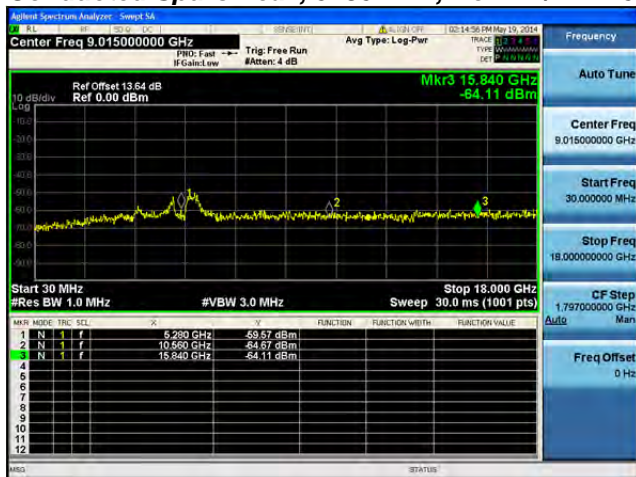
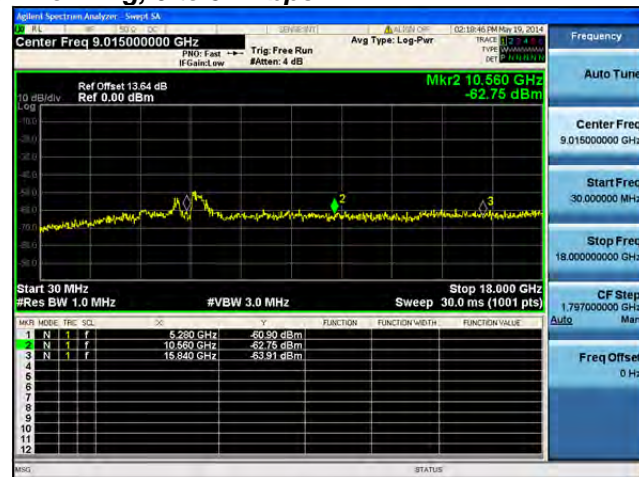
**Conducted Spurs Peak, 5280 MHz, Non HT/VHT20, 6 to 54 Mbps****Antenna A**

**Conducted Spurs Peak, 5280 MHz, Non HT/VHT20, 6 to 54 Mbps****Antenna A****Antenna B**

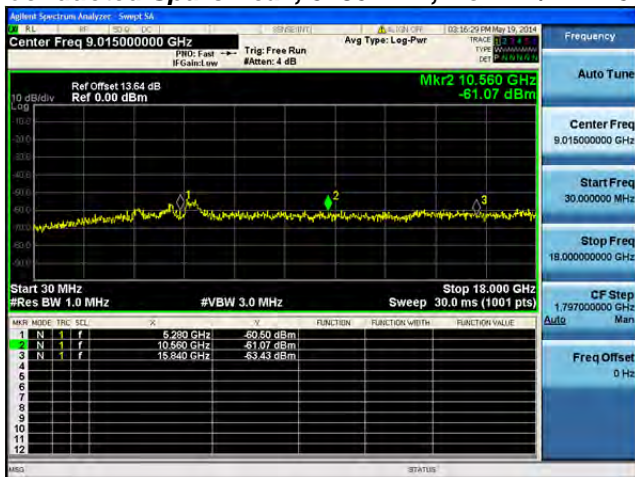
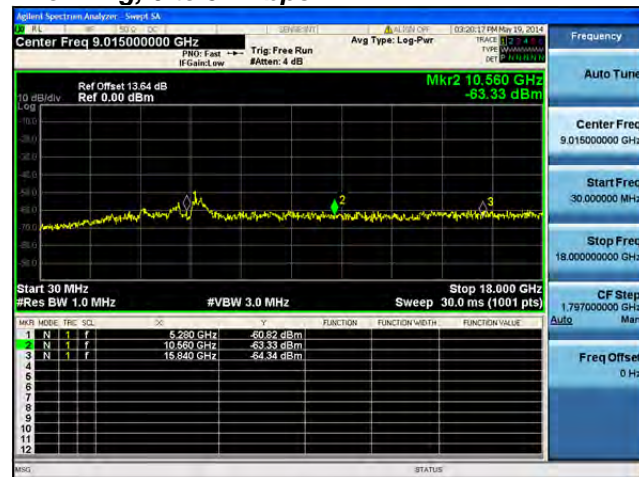
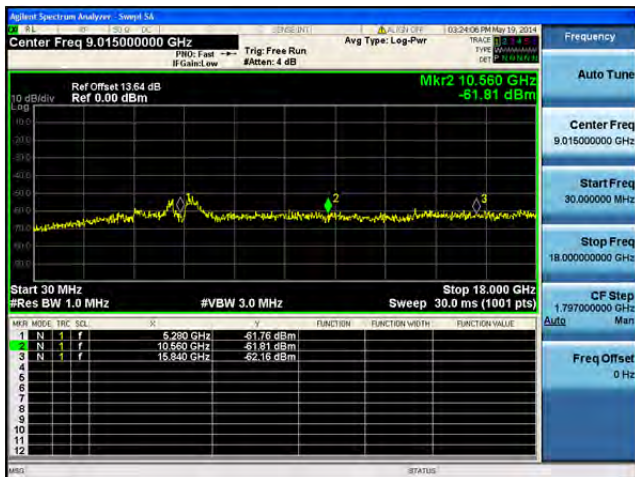


**Conducted Spurs Peak, 5280 MHz, Non HT/VHT20, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5280 MHz, Non HT/VHT20, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Spurs Peak, 5280 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps****Antenna A****Antenna B**



**Conducted Spurs Peak, 5280 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C**

[illegible]

Agilent Spectrum Analyzer - Sweep 1A

Center Freq 9.015000000 GHz

Ref Offset 13.64 dB  
Ref 0.00 dBm

Mkr3 15.840 GHz  
-61.17 dBm

Start 30 MHz  
#Res BW 1.0 MHz

#VBW 3.0 MHz

Sweep 30.0 ms (1001 pts)

MkR	MODE	FREQ	SQL	dB	V	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.200 GHz	-62.26 dBm			
2	N	1	f	10.560 GHz	-63.26 dBm			
3	N	1	f	15.840 GHz	-61.17 dBm			

[illegible]

**Agilent Spectrum Analyzer - Sweep 54**

Center Freq 9.015000000 GHz      Avg Type: Log-Pwr      Frequency

PRO: Fast      Trig: Free Run      TRACE 1: 1 2 3 4 5  
 IF Gain: Low      #Att: 4 dB      TYPE: Spectrum      REF: 10.00 dBm

Ref Offset 13.64 dB      Mkr2 10.560 GHz  
 Ref 0.00 dBm      -52.64 dBm

10 dB/div

Start 30 MHz      Stop 18.000 GHz  
 #Res BW 1.0 MHz      #VBW 3.0 MHz      Sweep 30.0 ms (1001 pts)

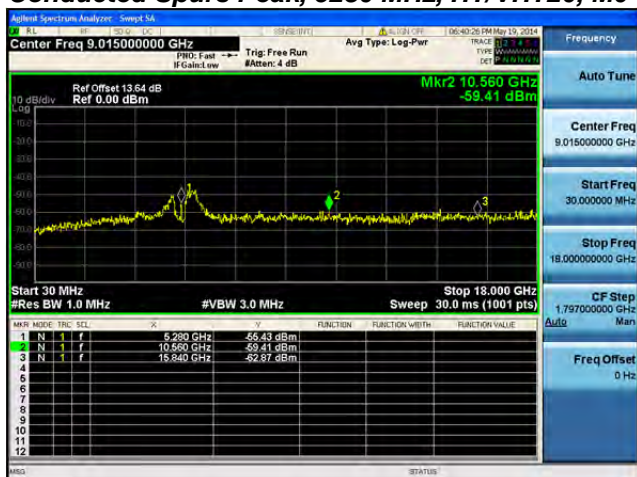
Mk	Mode	Trc	SL	F	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	9.580 GHz	-52.73 dBm			
2	N	1	f	10.560 GHz	-52.64 dBm			
3	N	1	f	15.840 GHz	-54.27 dBm			

Auto Tune      Auto      CF Stop 1.797000000 GHz      Manual

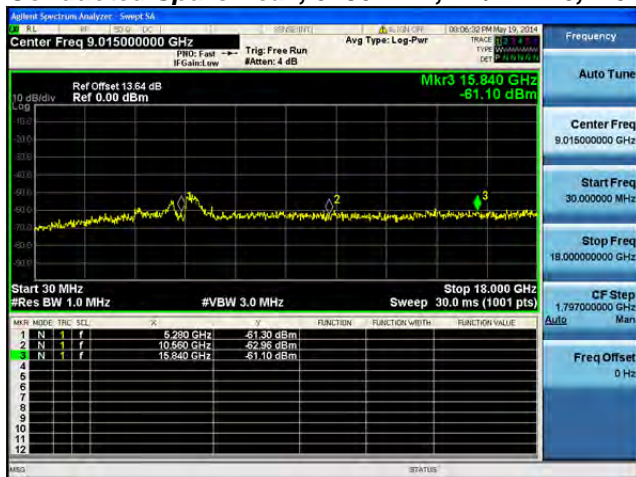
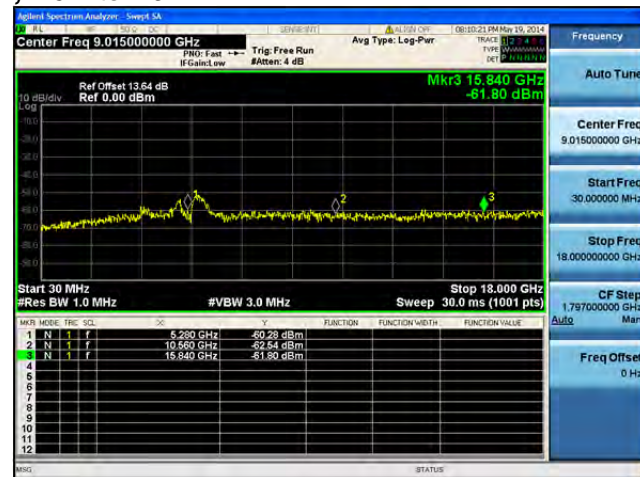
Freq Offset 0 Hz

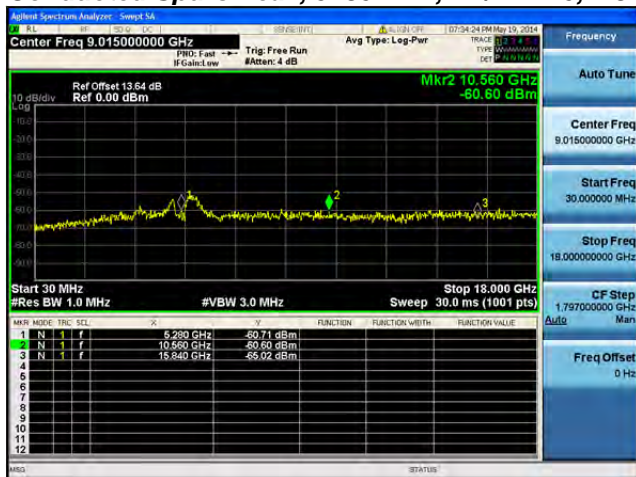
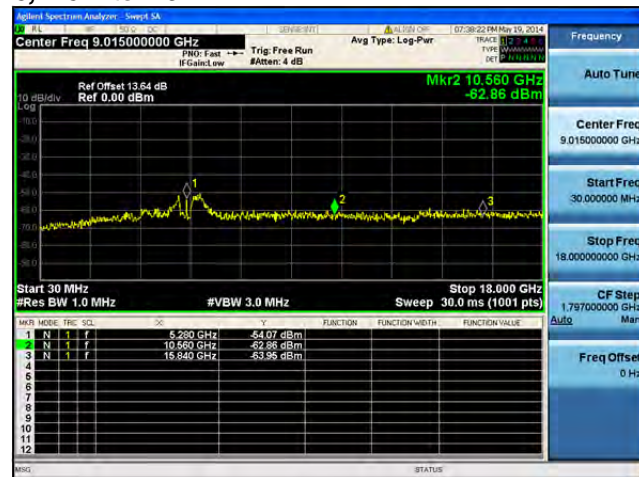
MSO      STATUS

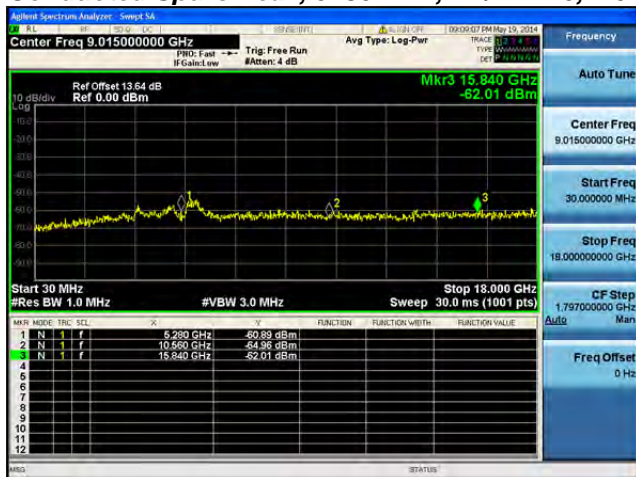
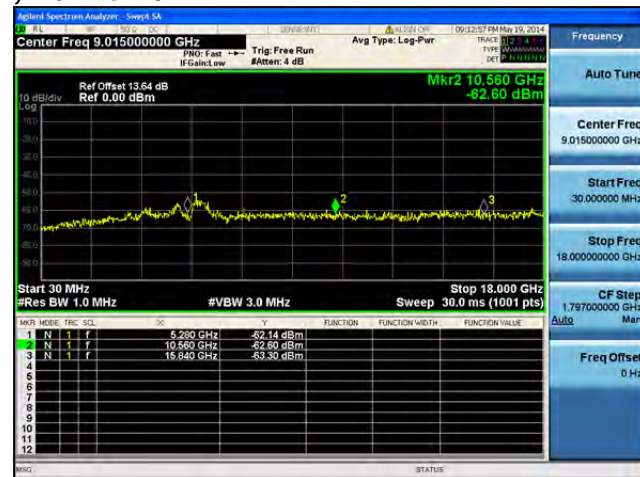
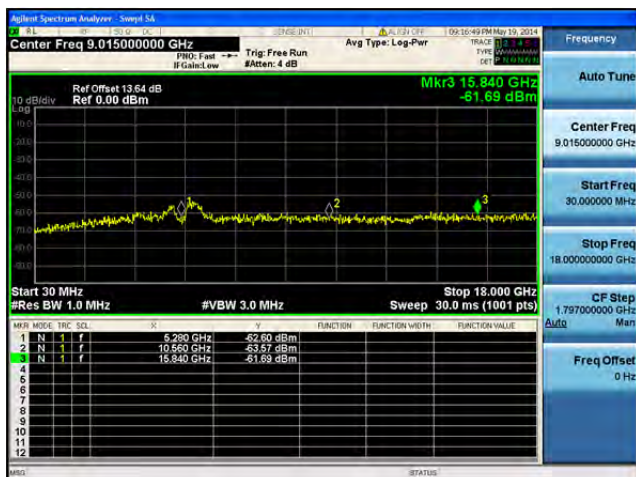
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**Conducted Spurs Peak, 5280 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1****Antenna A**

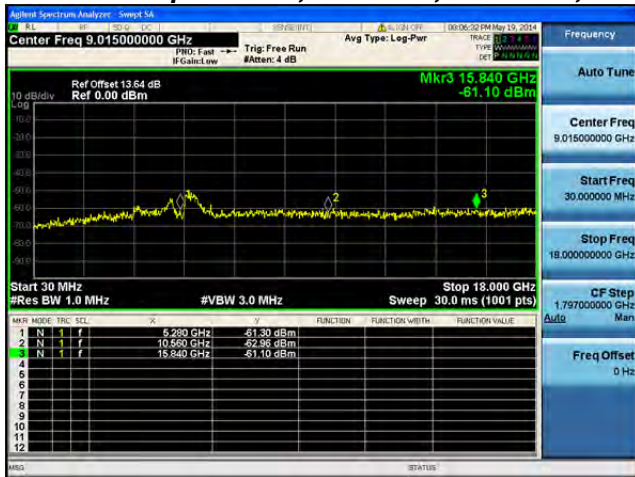
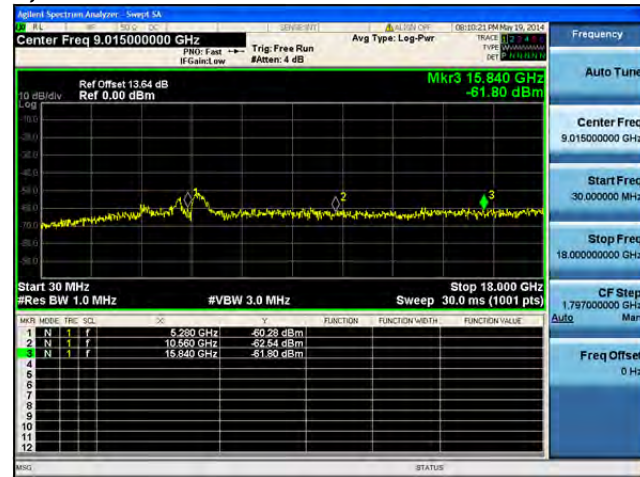
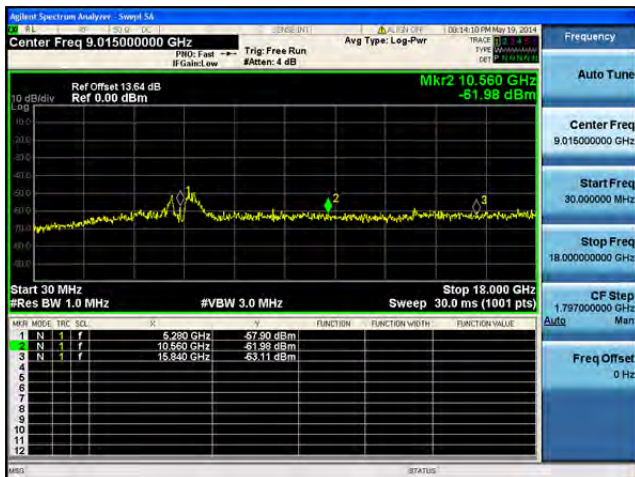


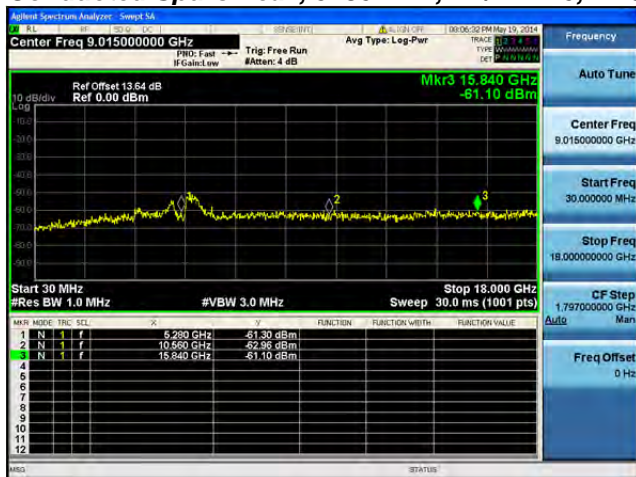
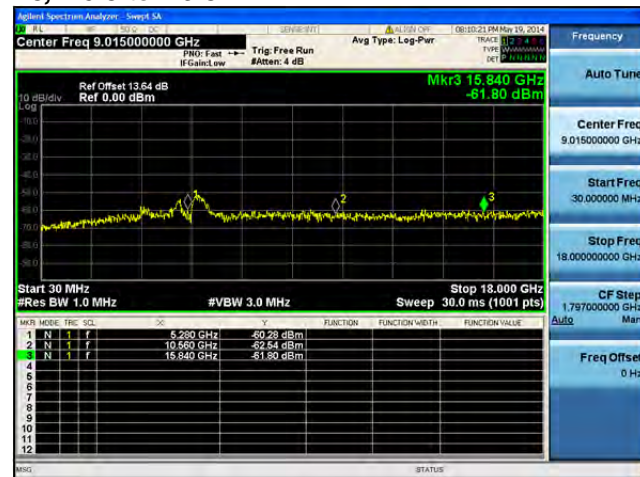
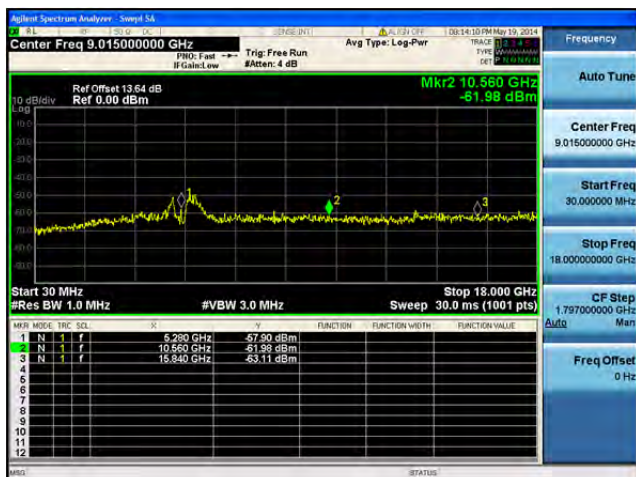
**Conducted Spurs Peak, 5280 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**

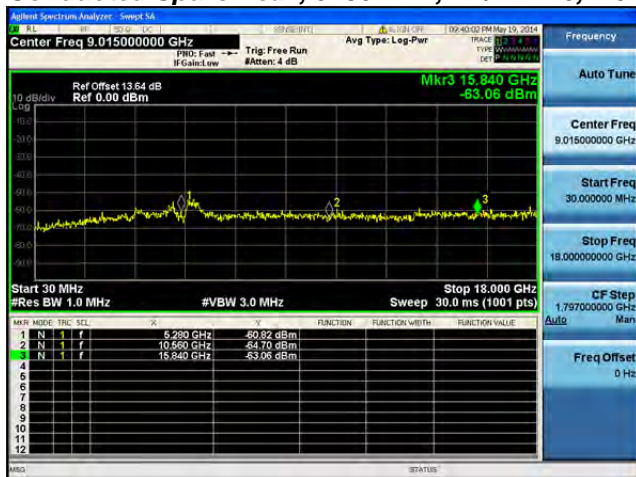
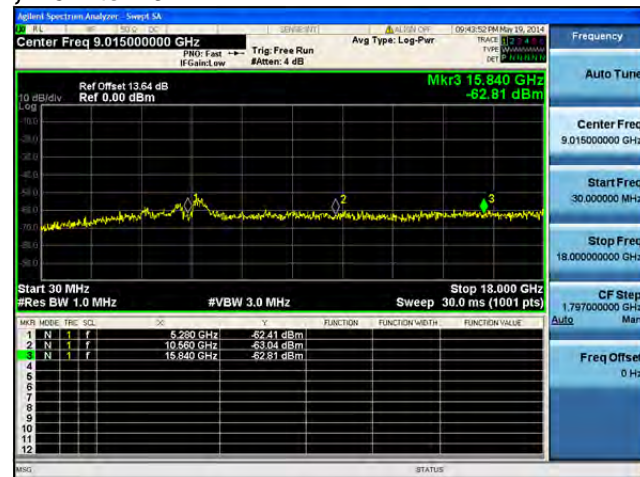
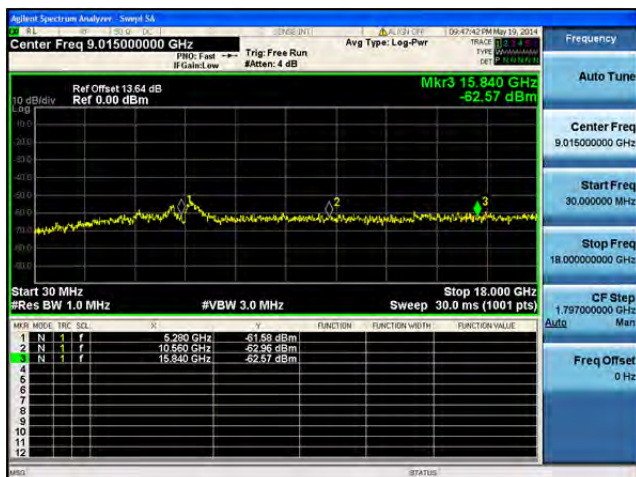
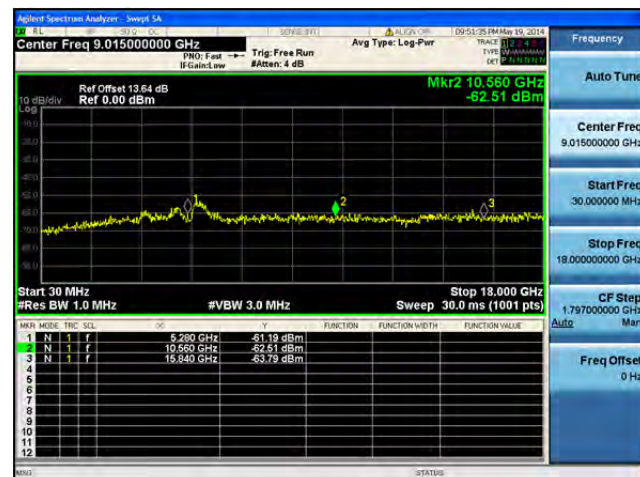
**Conducted Spurs Peak, 5280 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B**

**Conducted Spurs Peak, 5280 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**



**Conducted Spurs Peak, 5280 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5280 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5280 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**



[illegible][illegible]

**Spectrum Analyzer Screenshot Data:**

- Center Freq:** 9.015000000 GHz
- Mkr3:** 15.840 GHz, -81.99 dBm
- Start Freq:** 9.015000000 GHz
- Stop Freq:** 15.840000000 GHz
- #Res BW:** 30 MHz
- #VBW:** 3.0 MHz
- Sweep:** 30.0 ms (1001 pts)

MKR	MODE	FREQ	PWR	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	5.280 GHz	-52.98 dBm		
2	N	f	10.850 GHz	-64.38 dBm		
3	N	f	15.840 GHz	-81.99 dBm		

Agilent Spectrum Analyzer - Sweep 1A

Center Freq 9.015000000 GHz

Ref Offset 13.64 dB  
Ref 0.00 dBm

Mkr3 15.840 GHz  
-64.51 dBm

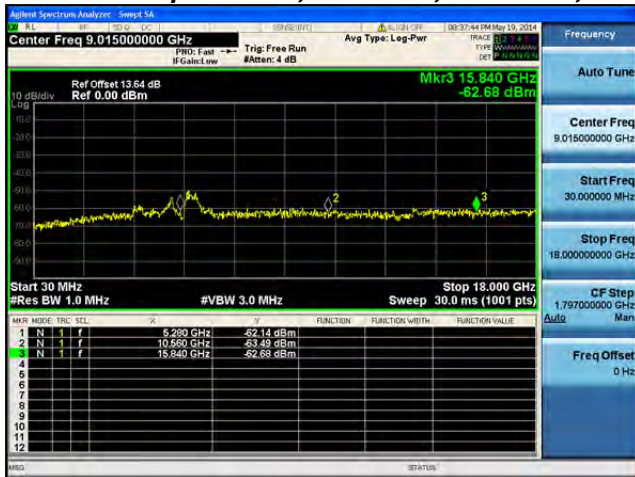
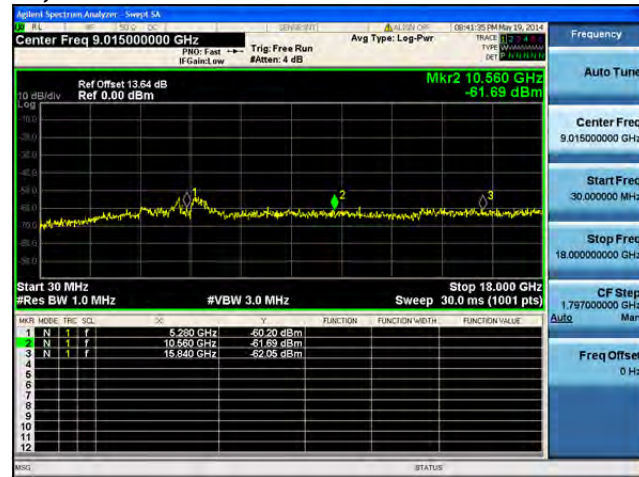
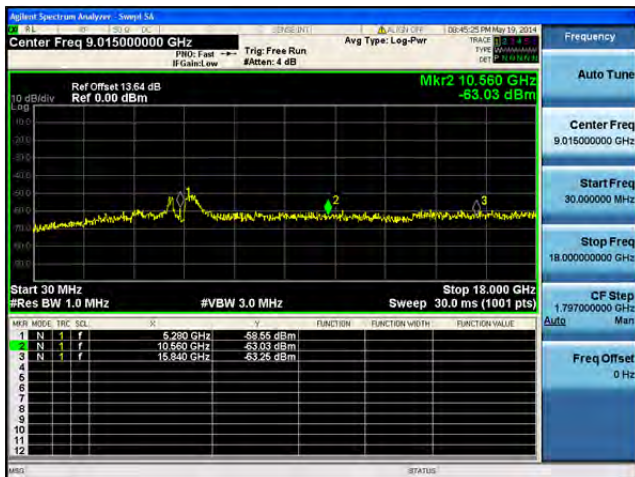
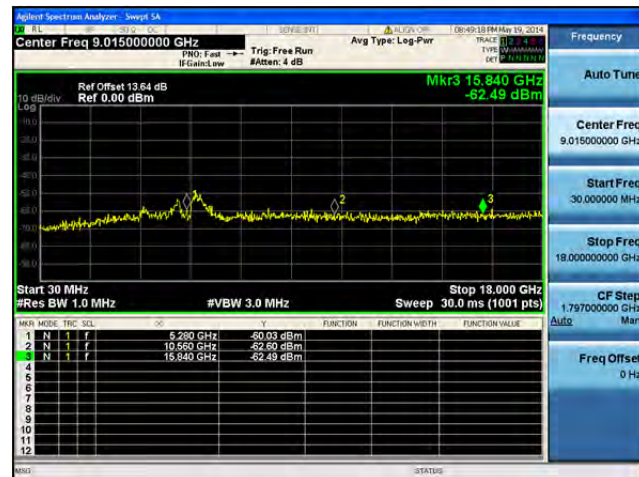
Start 30 MHz  
#Res BW 1.0 MHz

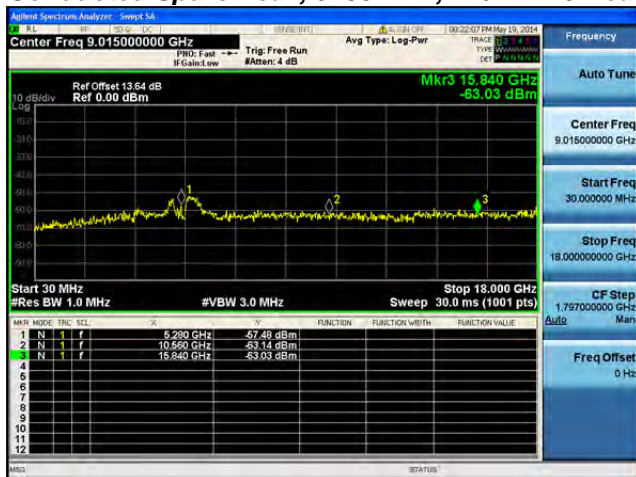
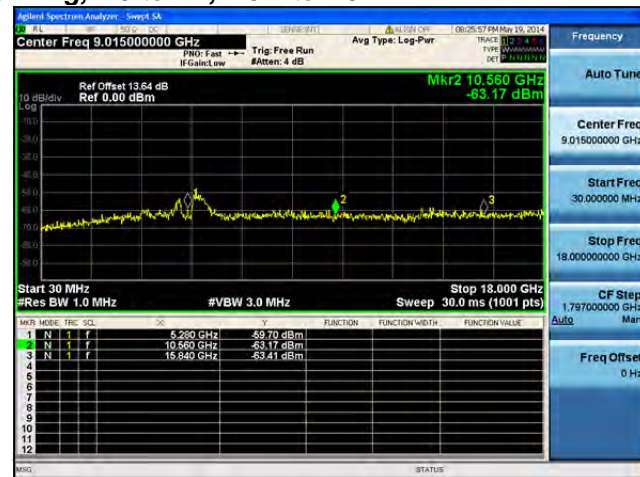
#VBW 3.0 MHz

Stop 18.000 GHz  
Sweep 30.0 ms (1001 pts)

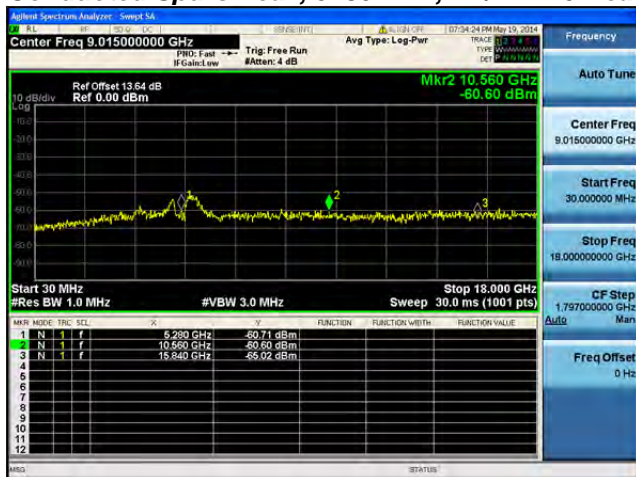
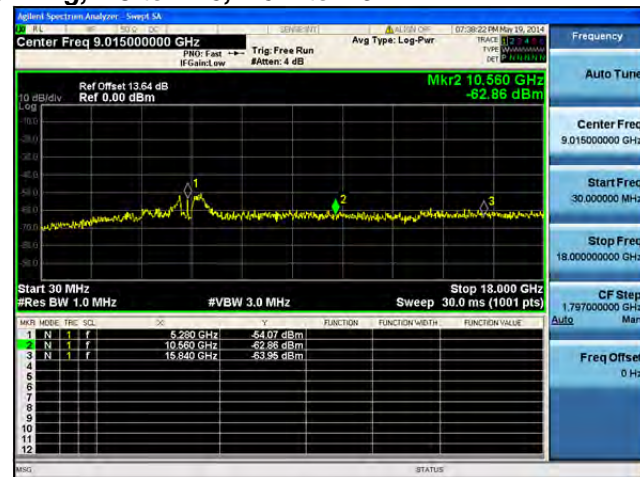
Mkr	Mode	Trc	SCl	DB	F	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f		5.280 GHz			-59.84 dBm
2	N	1	f		10.850 GHz			-64.79 dBm
3	N	1	f		15.840 GHz			-64.51 dBm

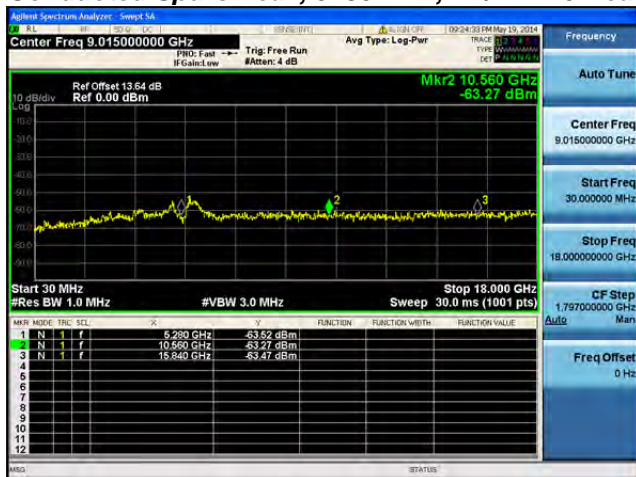
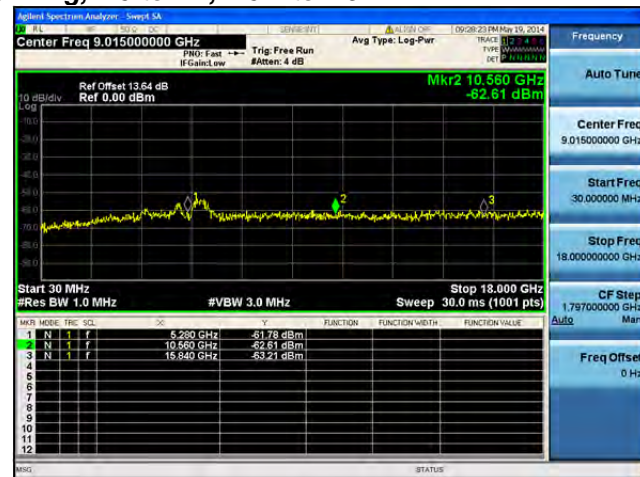
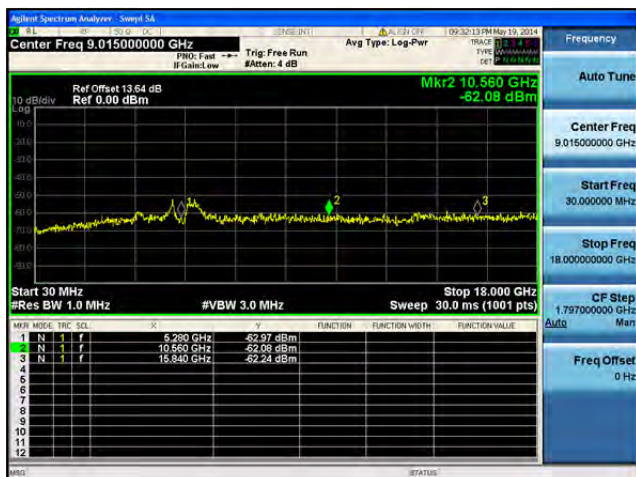
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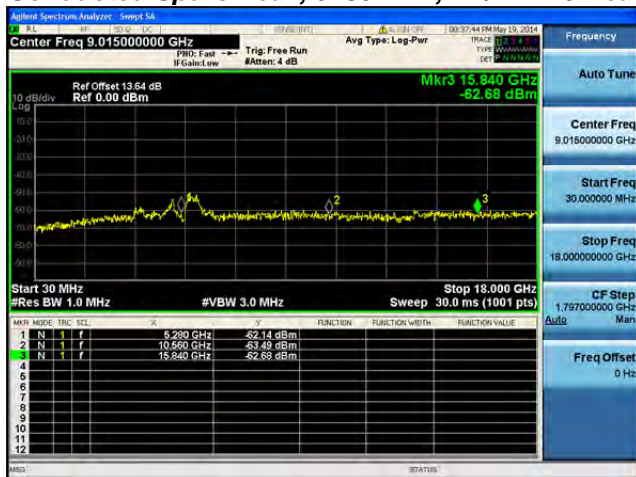
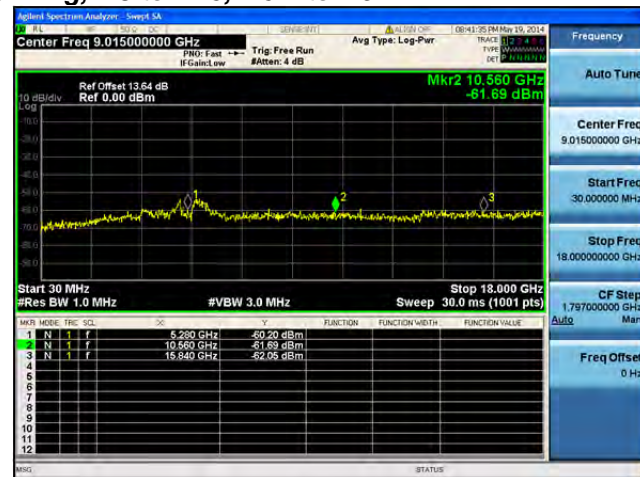
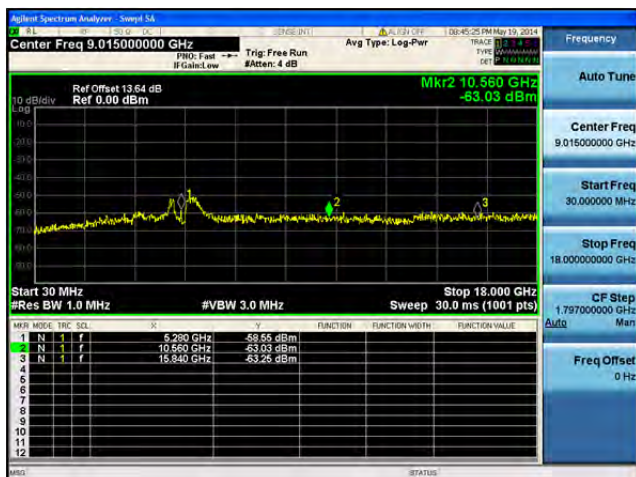
**Conducted Spurs Peak, 5280 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Spurs Peak, 5280 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**

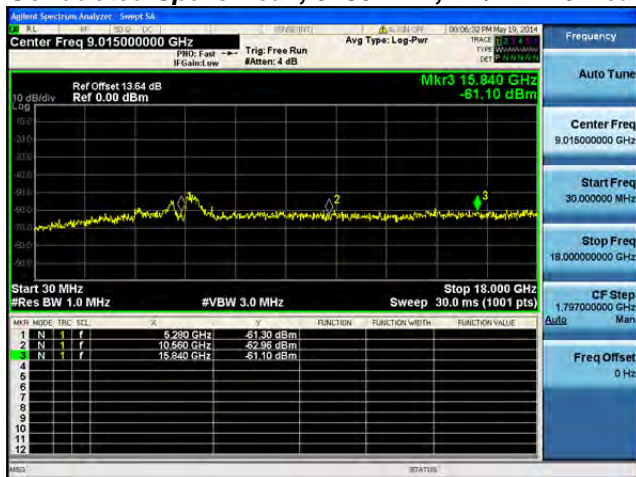
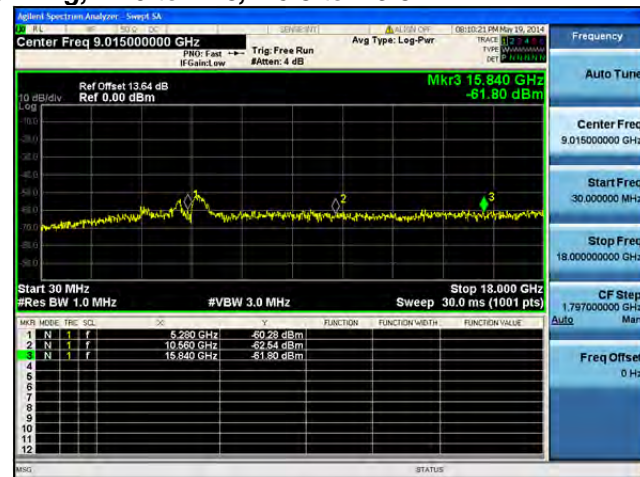
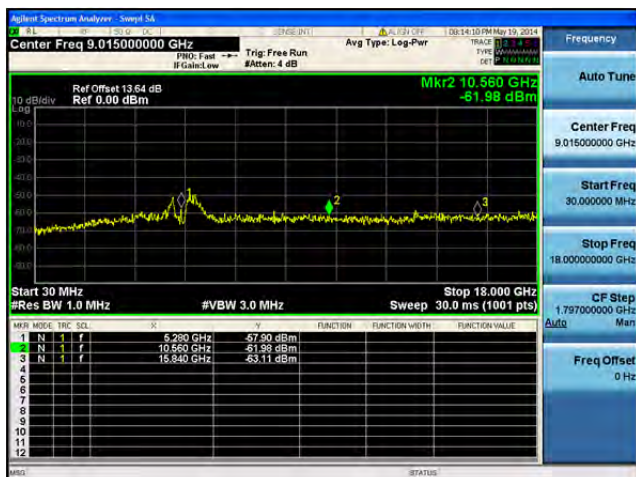


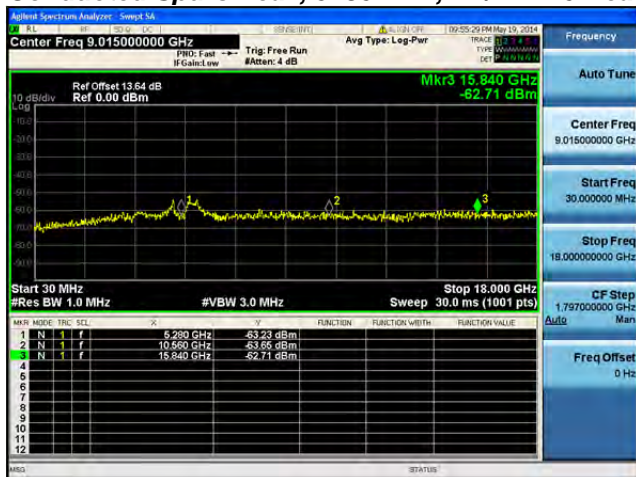
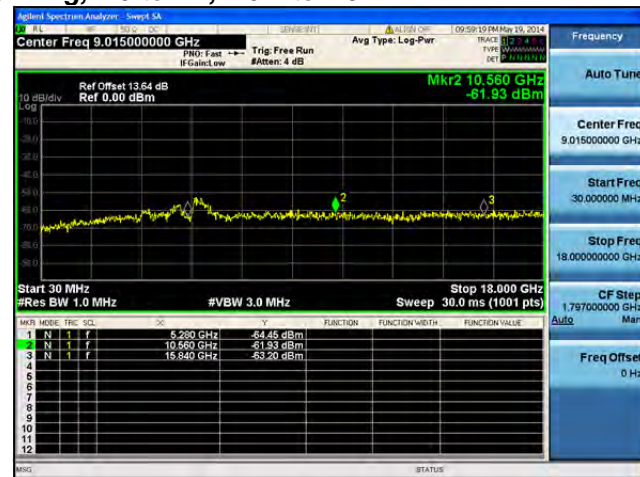
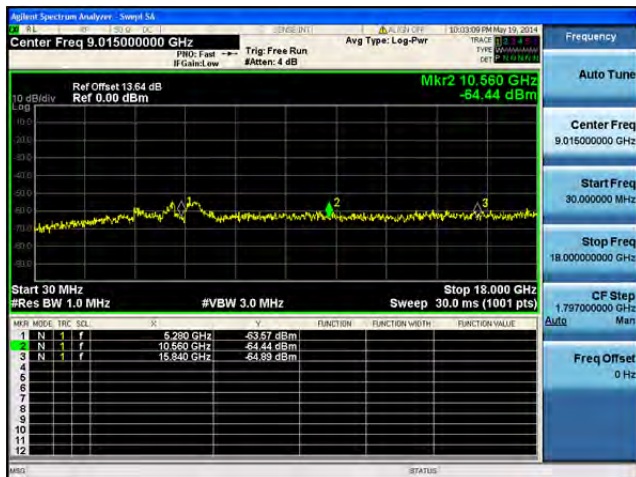
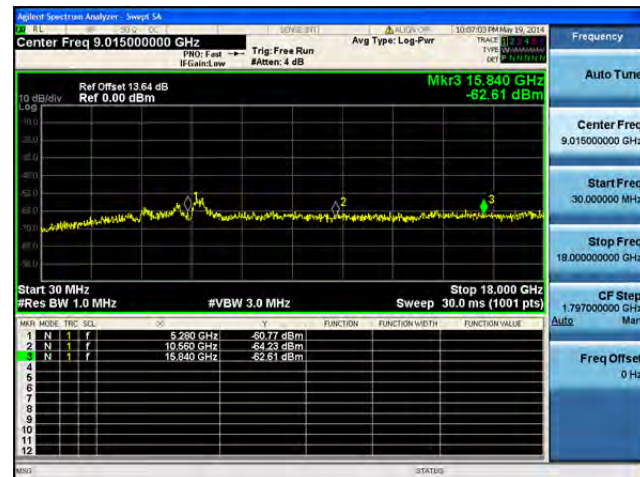
**Conducted Spurs Peak, 5280 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B**

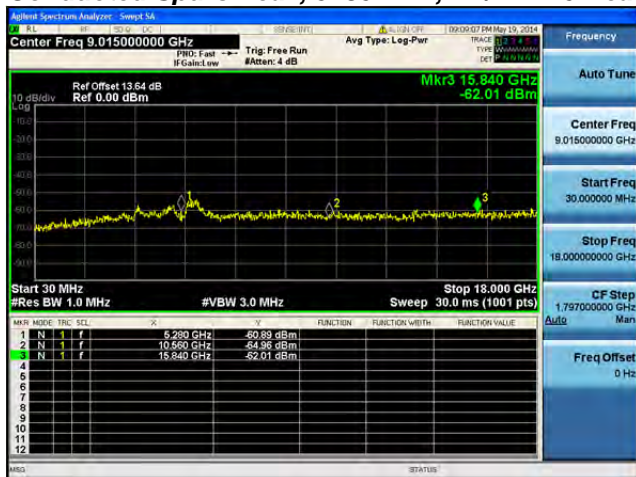
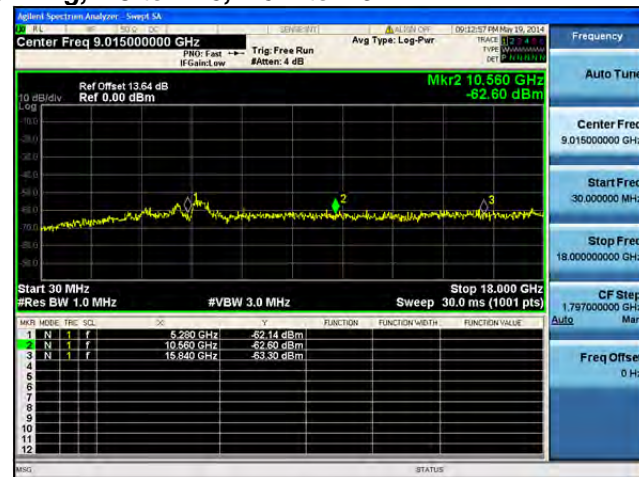
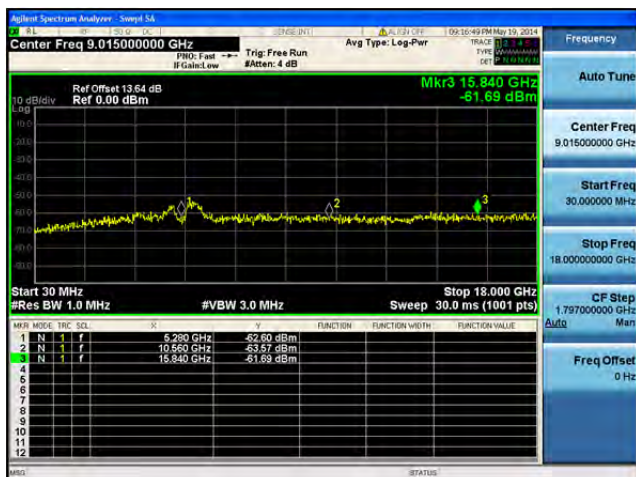
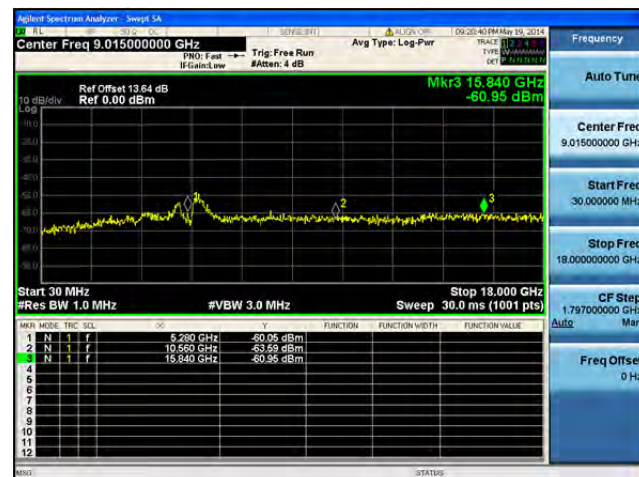
**Conducted Spurs Peak, 5280 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5280 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

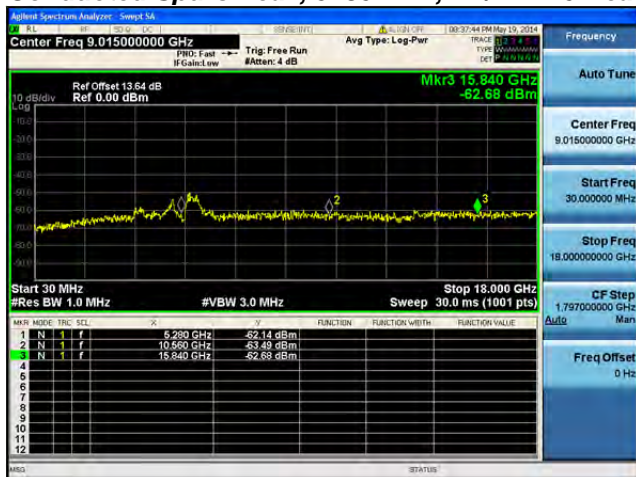
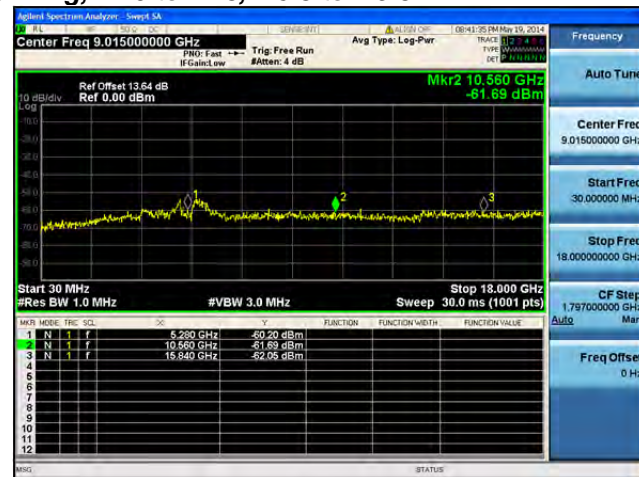
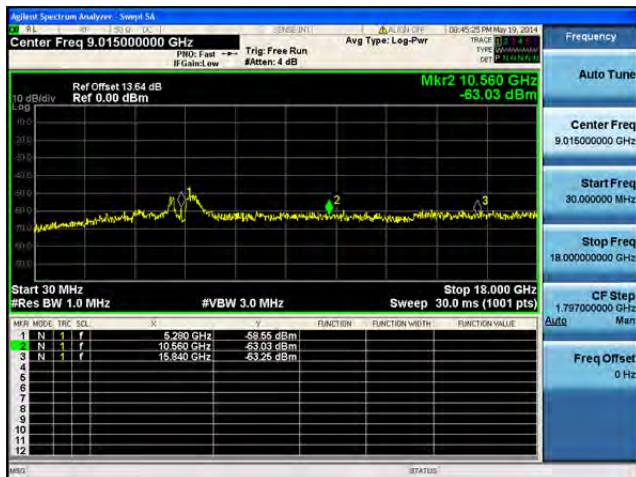
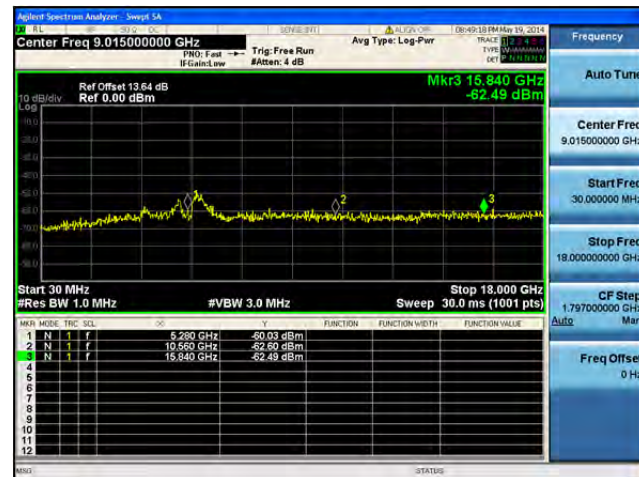


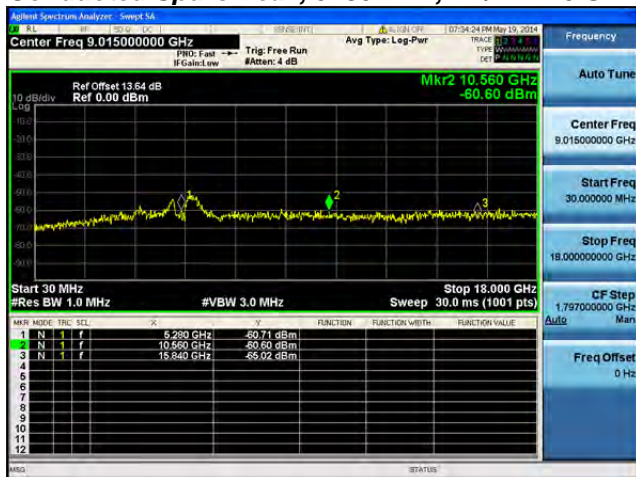
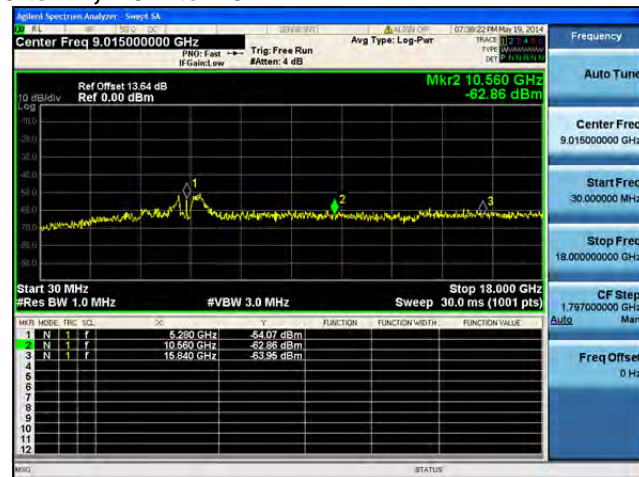
**Conducted Spurs Peak, 5280 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

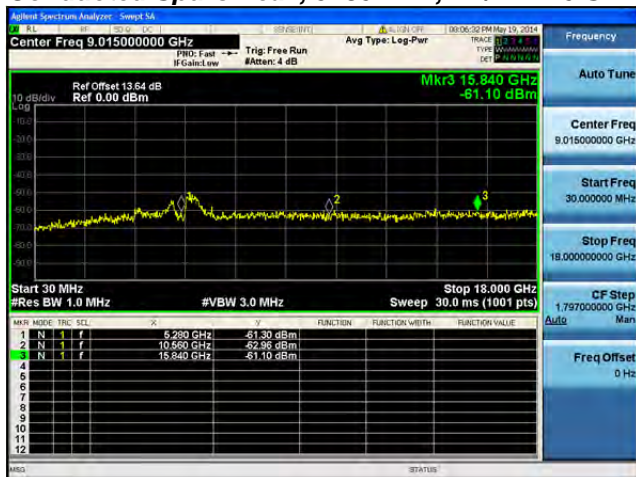
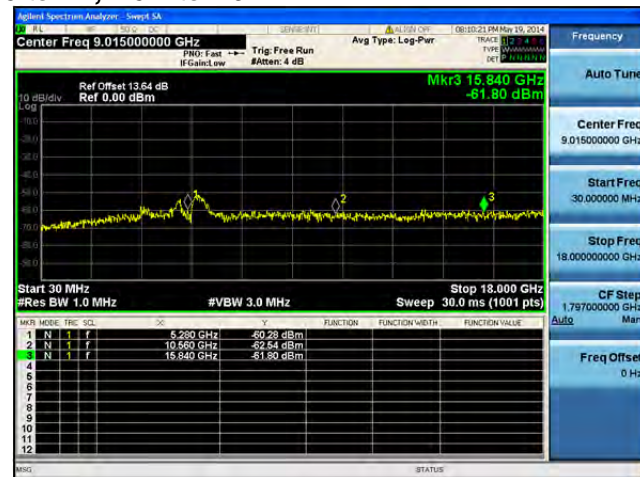
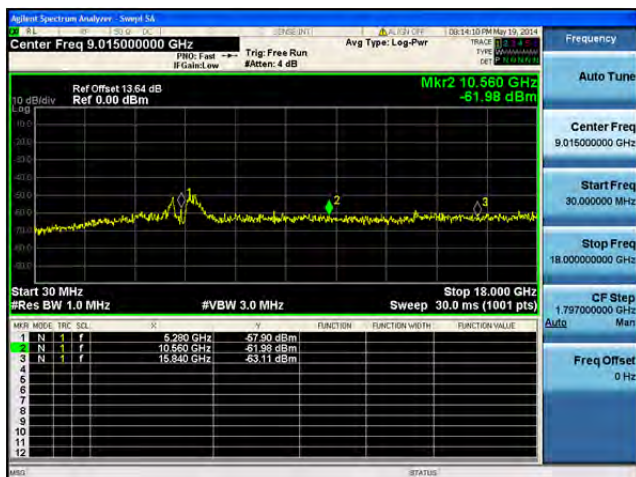
**Conducted Spurs Peak, 5280 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Spurs Peak, 5280 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

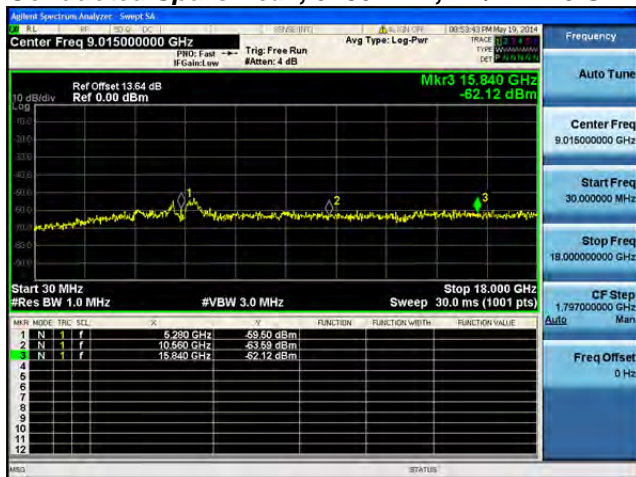
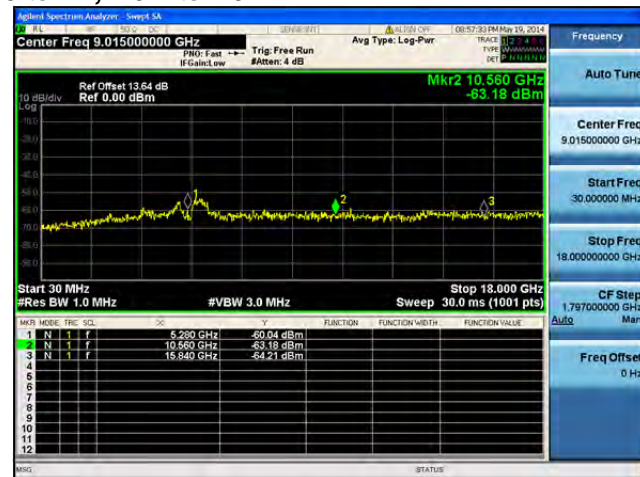
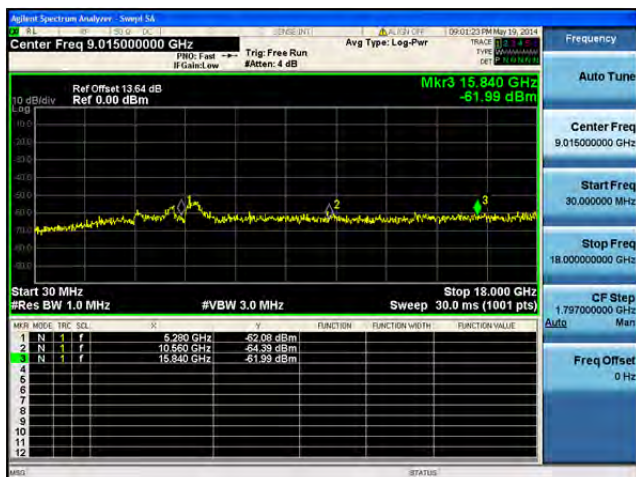
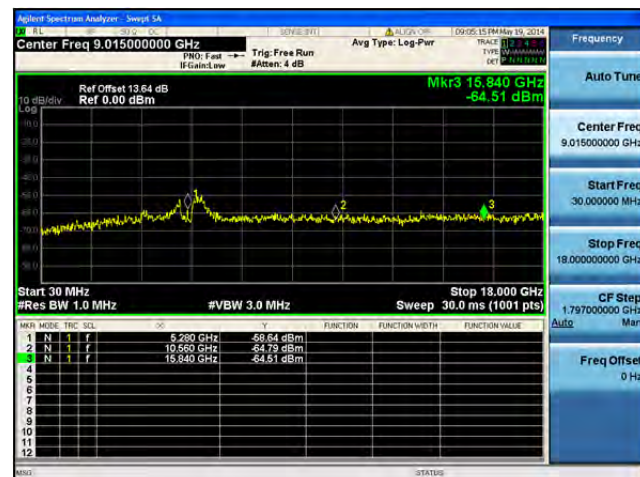


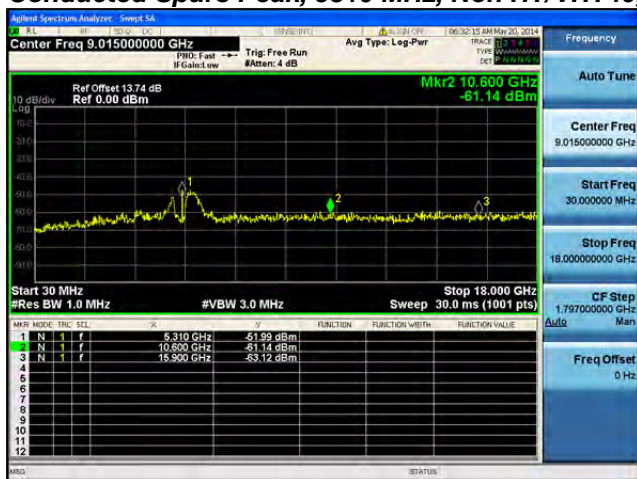
**Conducted Spurs Peak, 5280 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

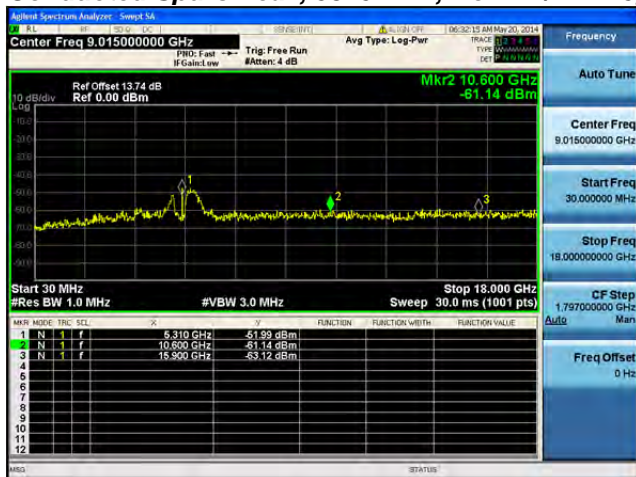
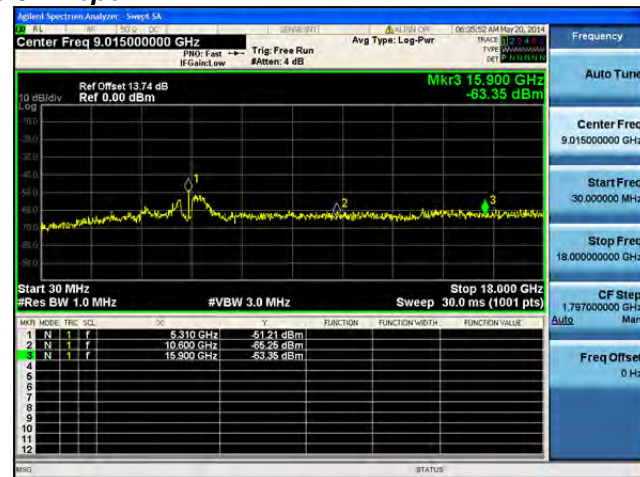
**Conducted Spurs Peak, 5280 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**

**Conducted Spurs Peak, 5280 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

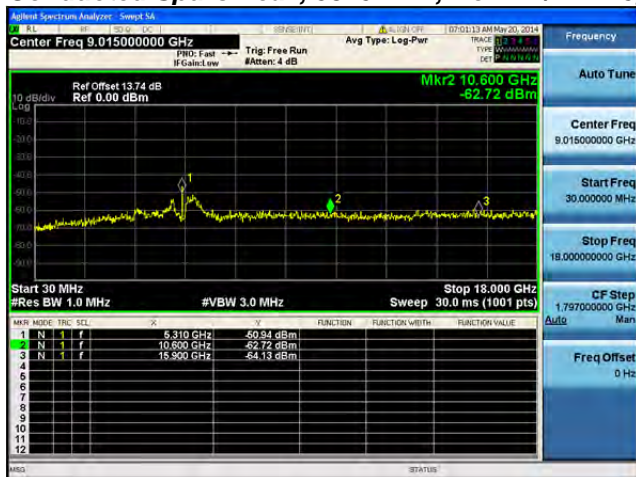
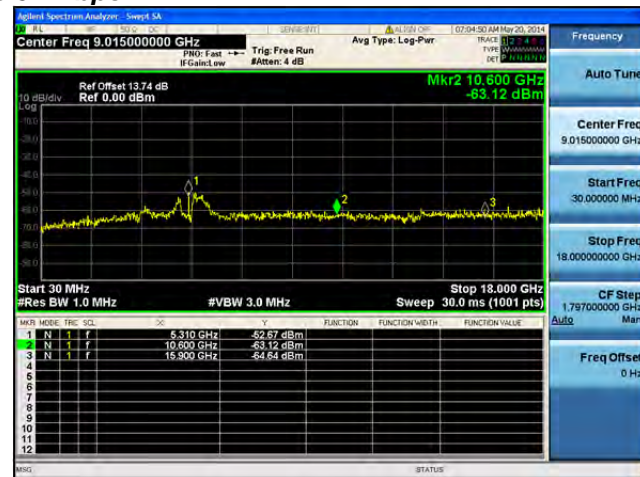
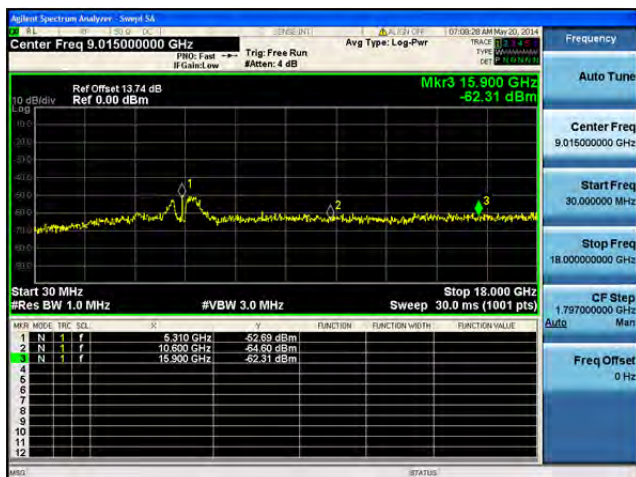


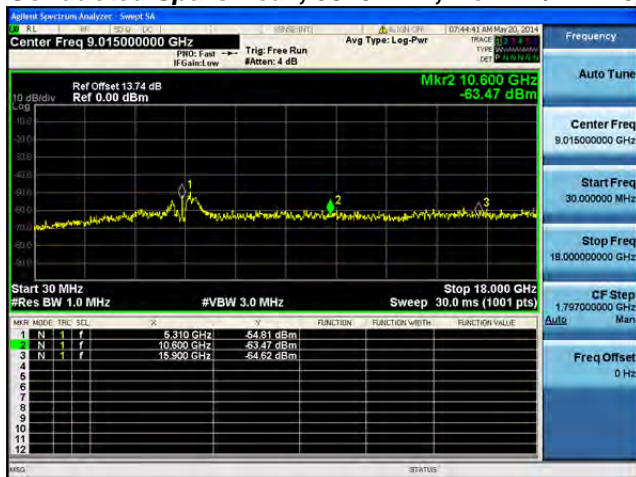
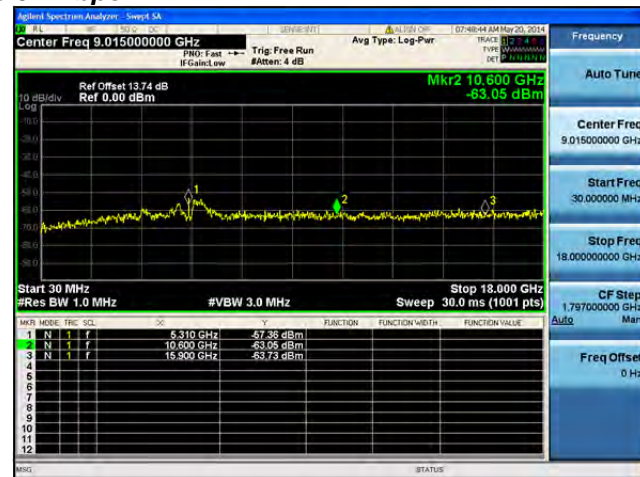
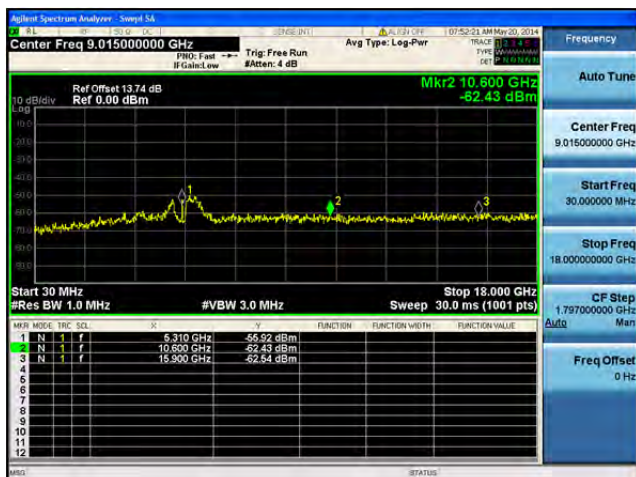
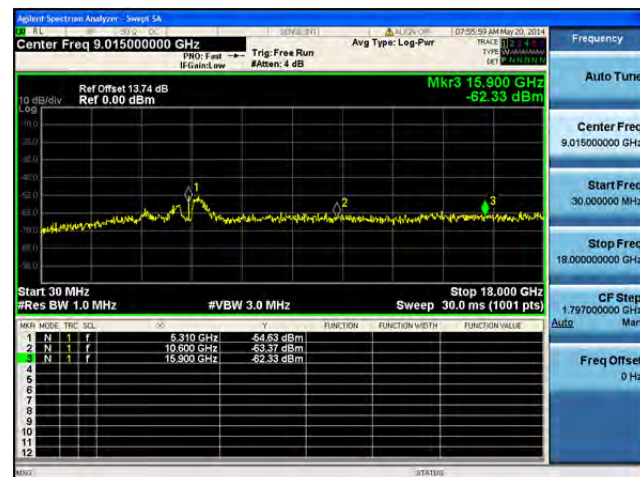
**Conducted Spurs Peak, 5280 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

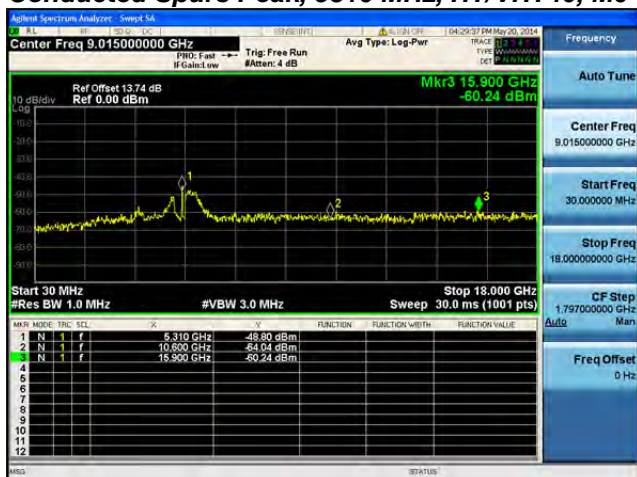
**Conducted Spurs Peak, 5310 MHz, Non HT/VHT40, 6 to 54 Mbps****Antenna A**

**Conducted Spurs Peak, 5310 MHz, Non HT/VHT40, 6 to 54 Mbps****Antenna A****Antenna B**

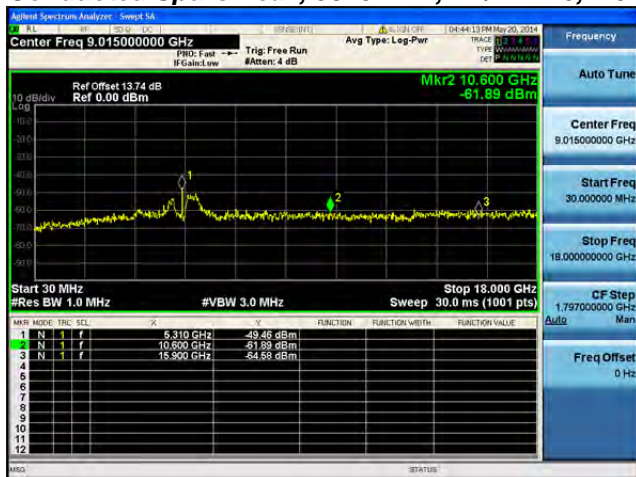
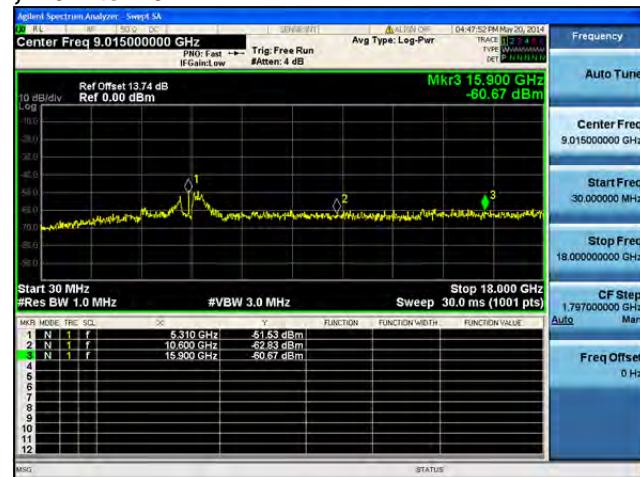


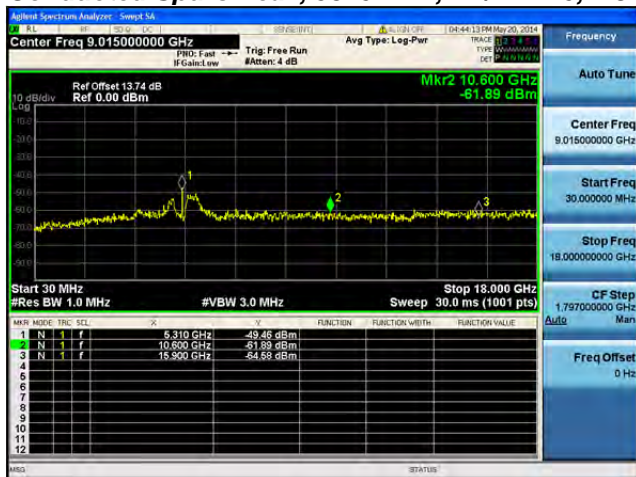
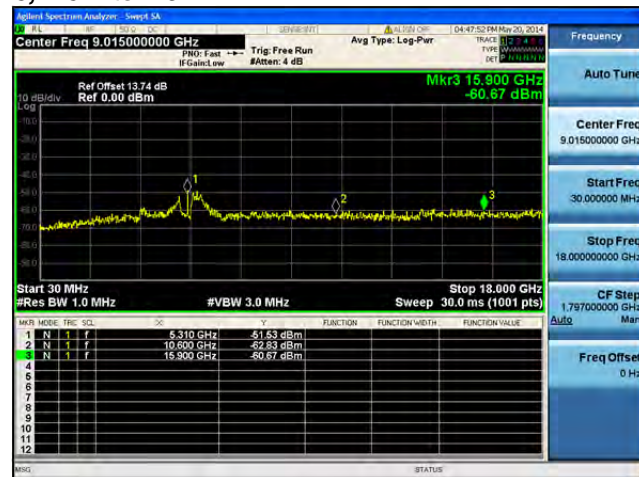
**Conducted Spurs Peak, 5310 MHz, Non HT/VHT40, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C**

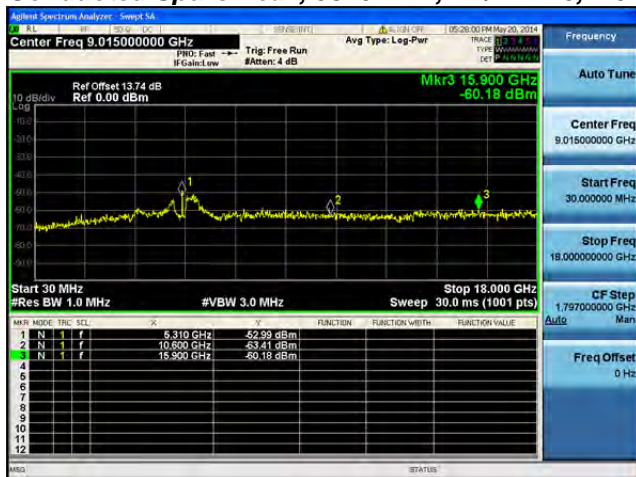
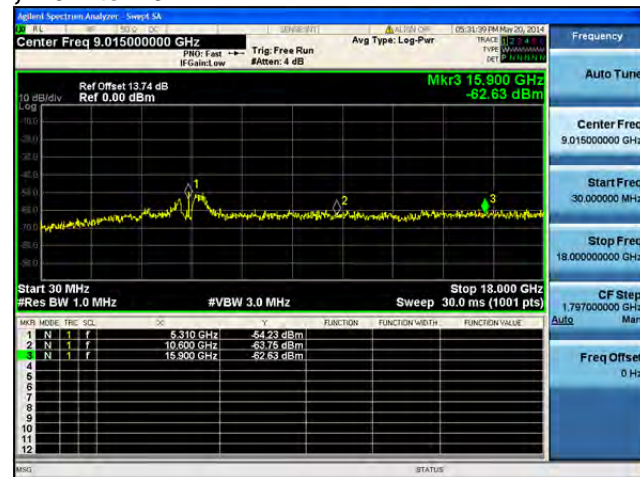
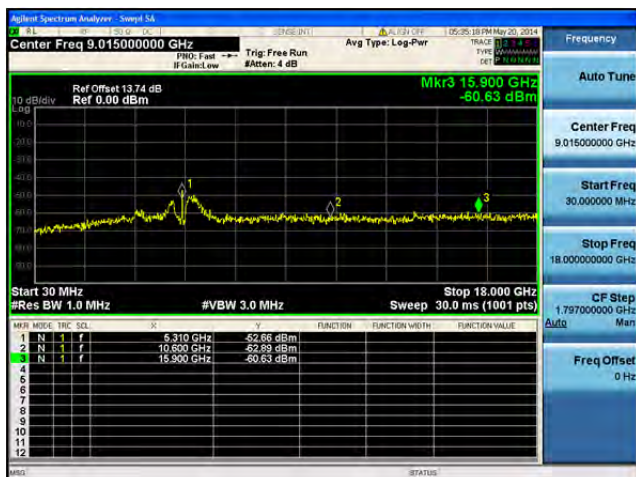
**Conducted Spurs Peak, 5310 MHz, Non HT/VHT40, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Spurs Peak, 5310 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1****Antenna A**

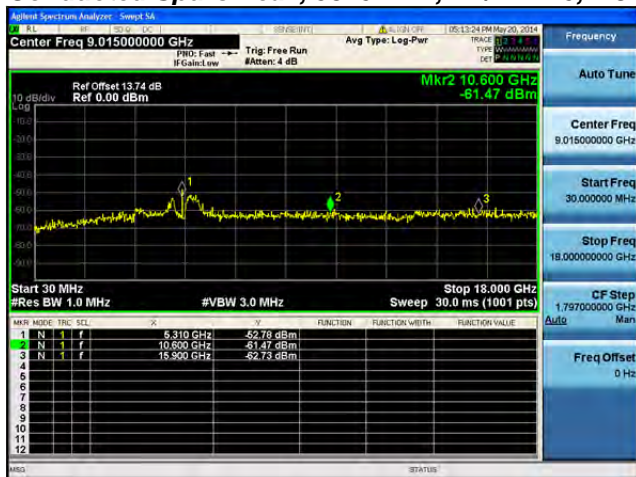
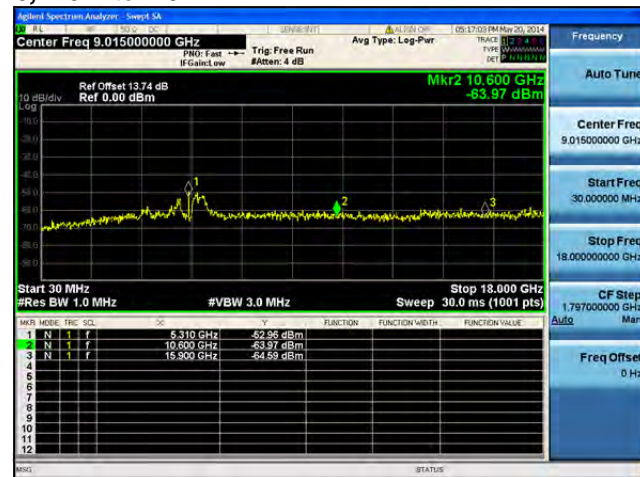
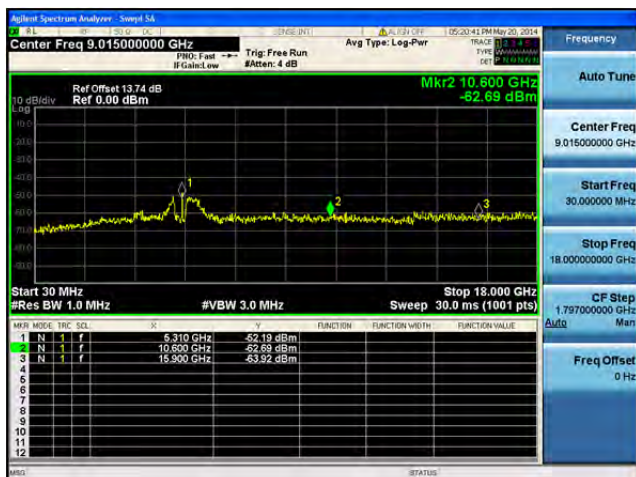


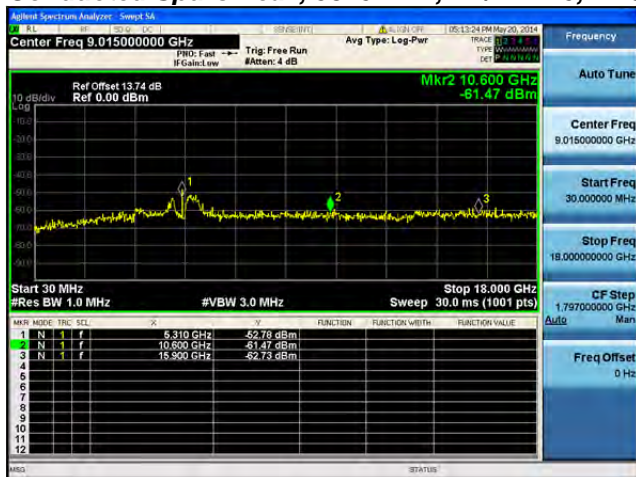
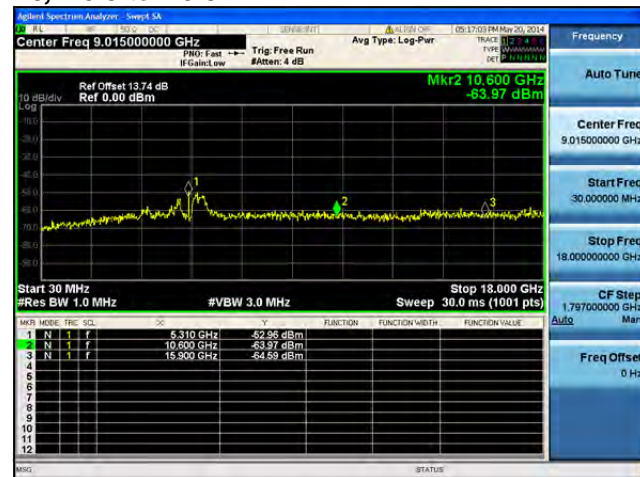
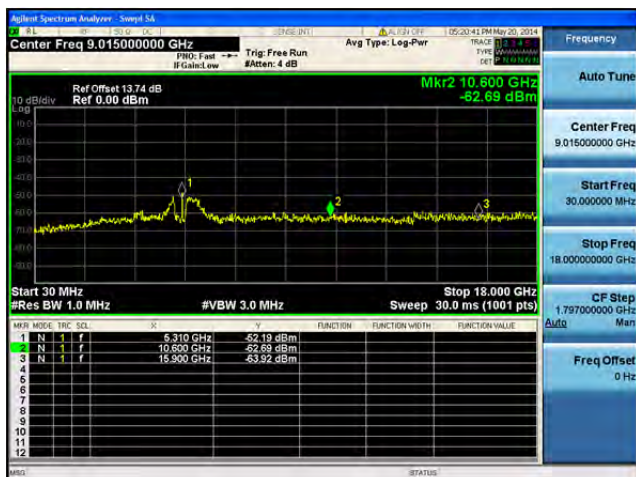
**Conducted Spurs Peak, 5310 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**

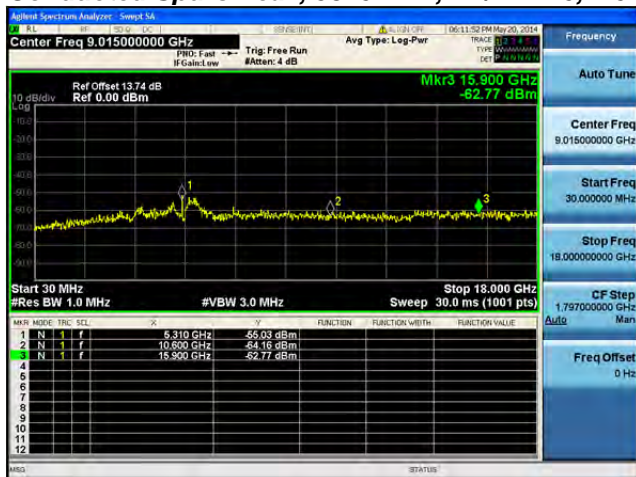
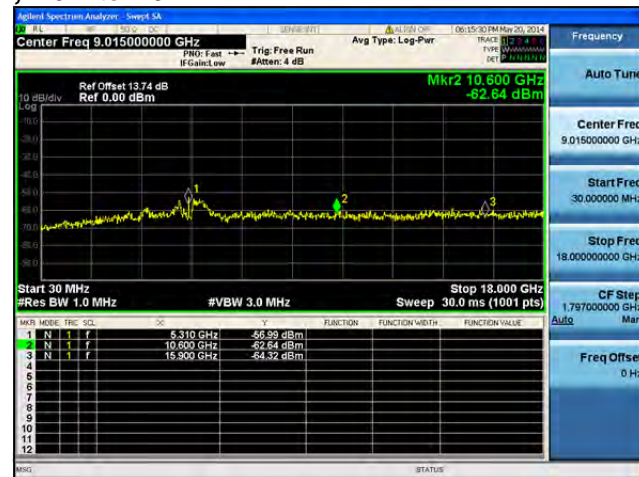
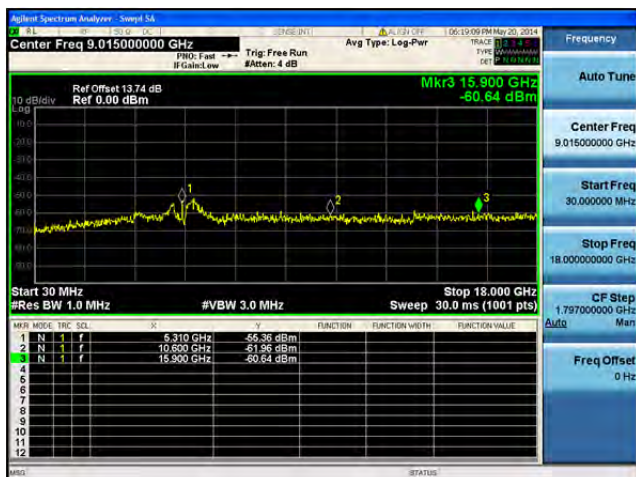
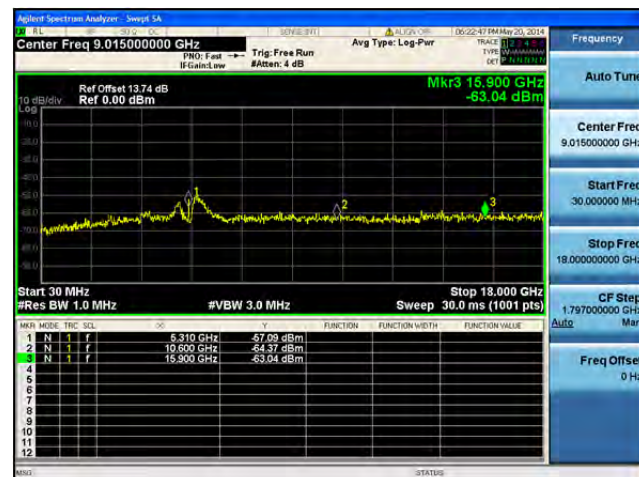
**Conducted Spurs Peak, 5310 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B**

**Conducted Spurs Peak, 5310 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

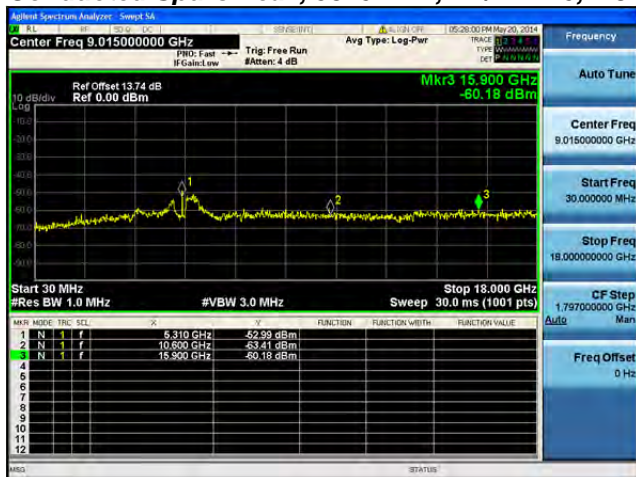
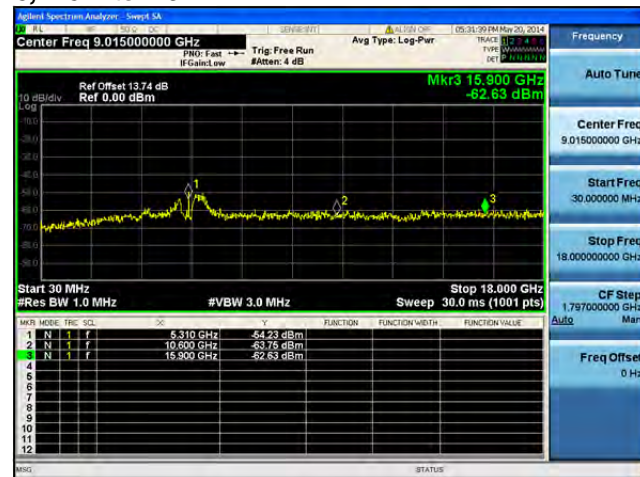
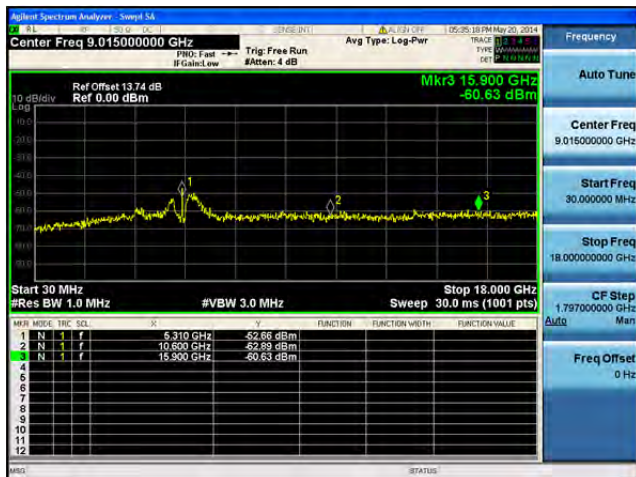
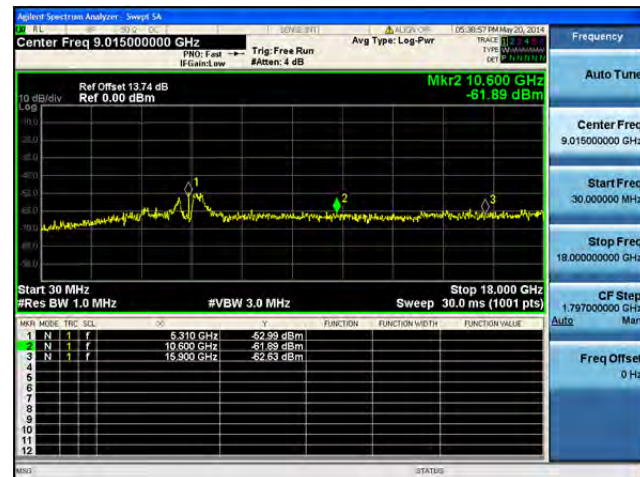


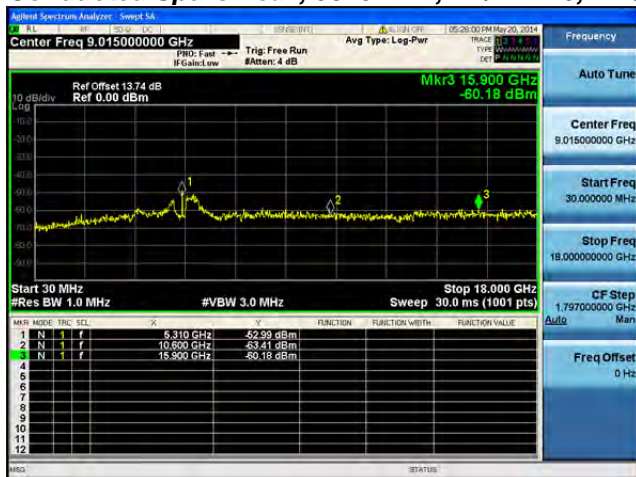
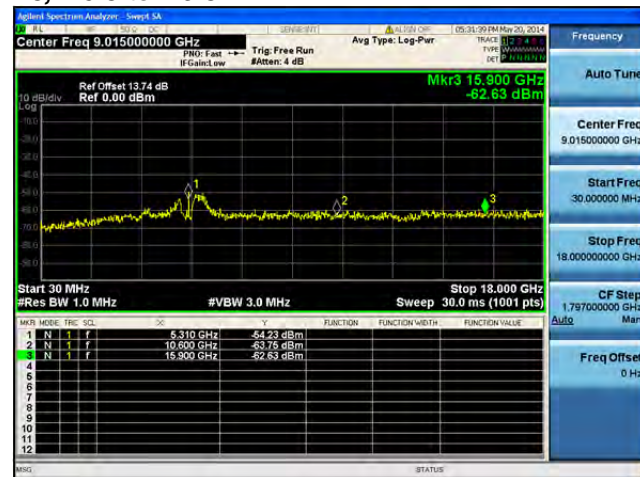
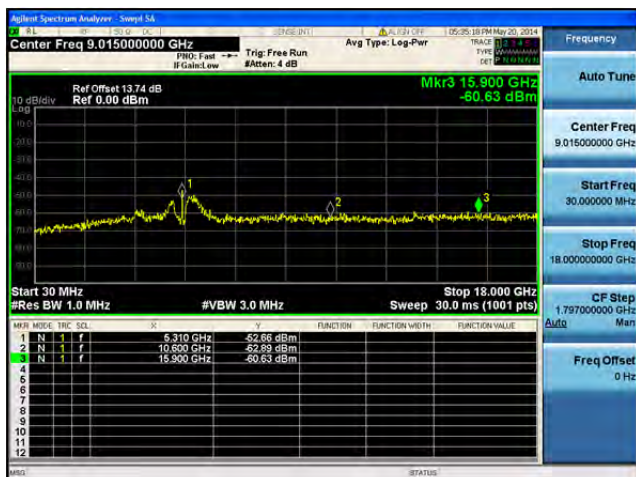
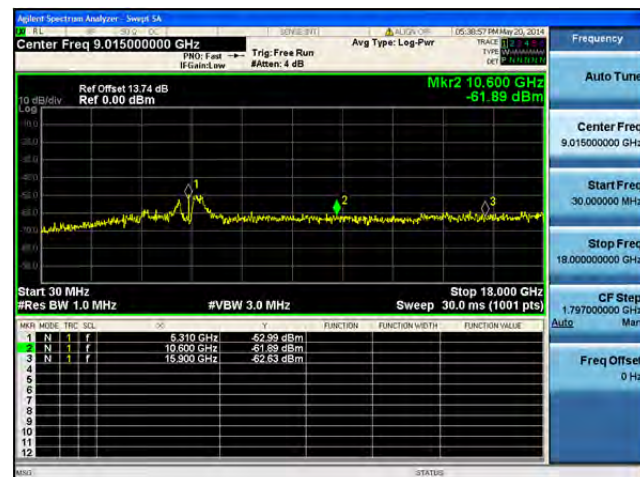
**Conducted Spurs Peak, 5310 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

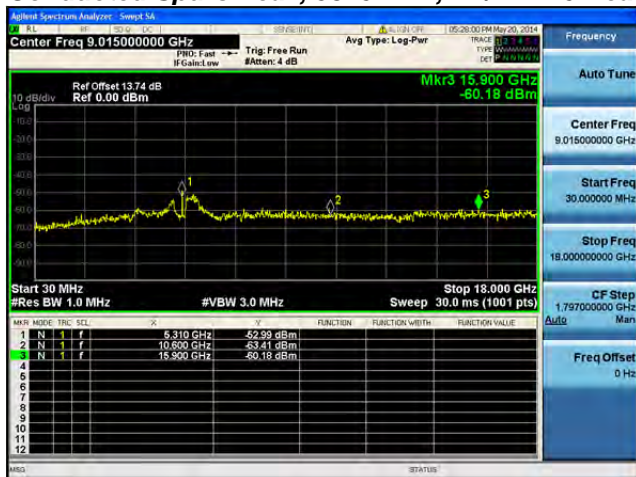
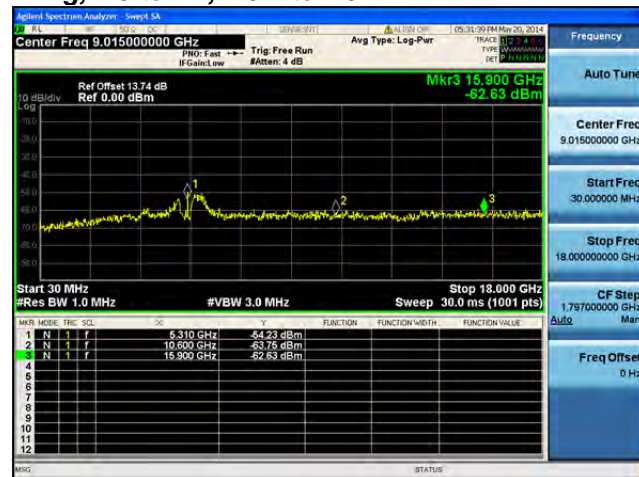
**Conducted Spurs Peak, 5310 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5310 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

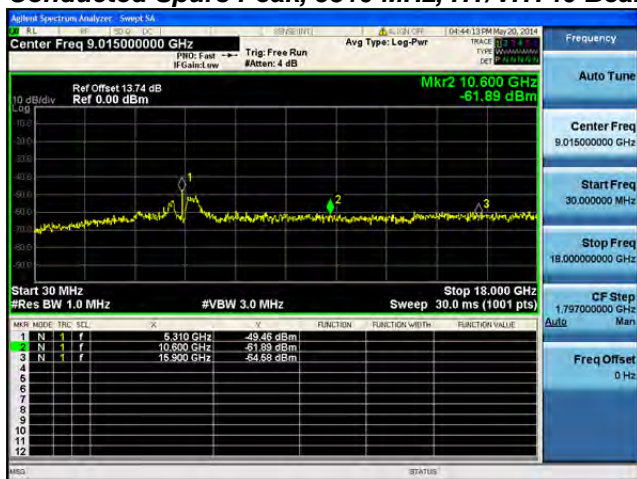
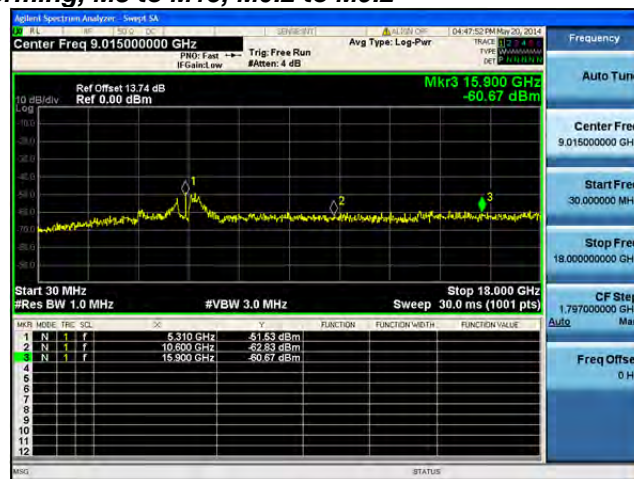


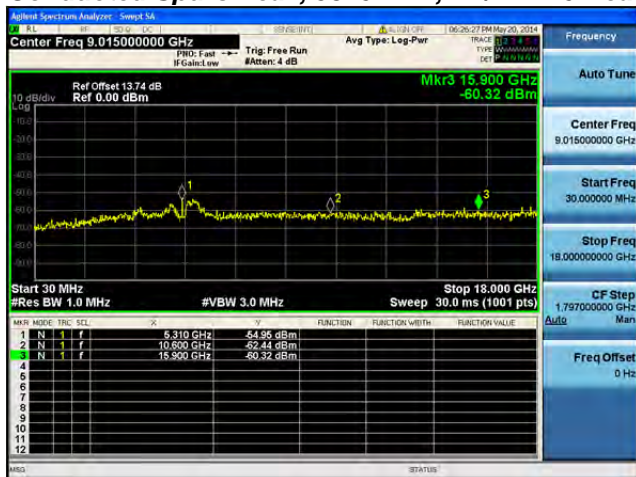
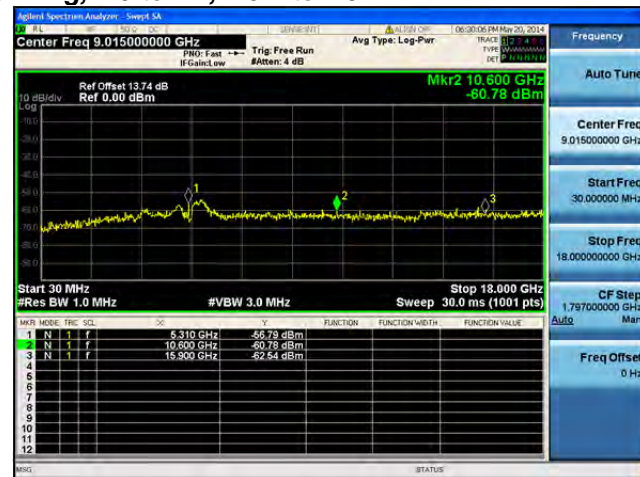
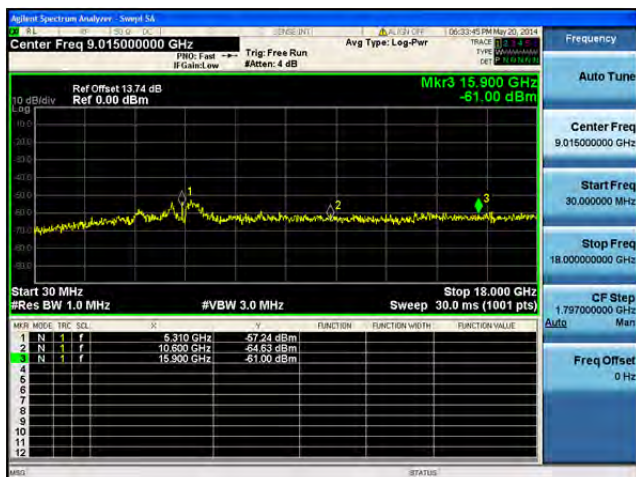
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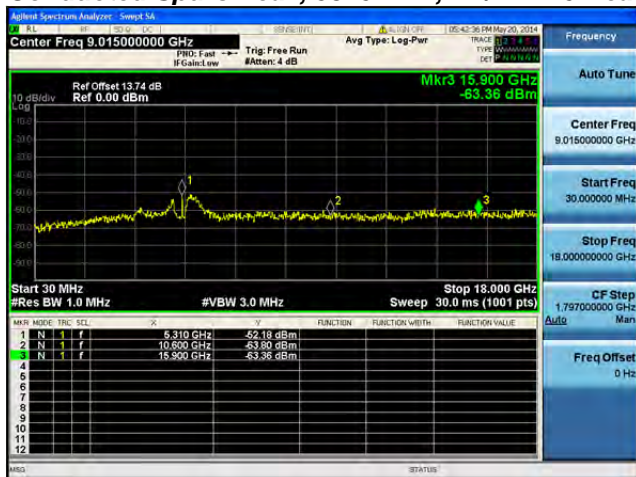
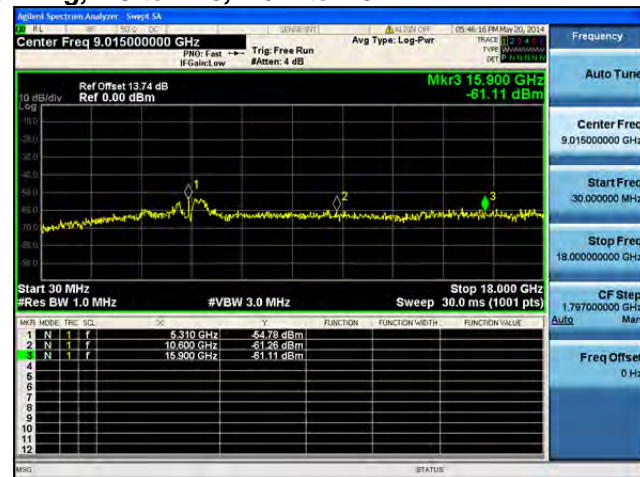
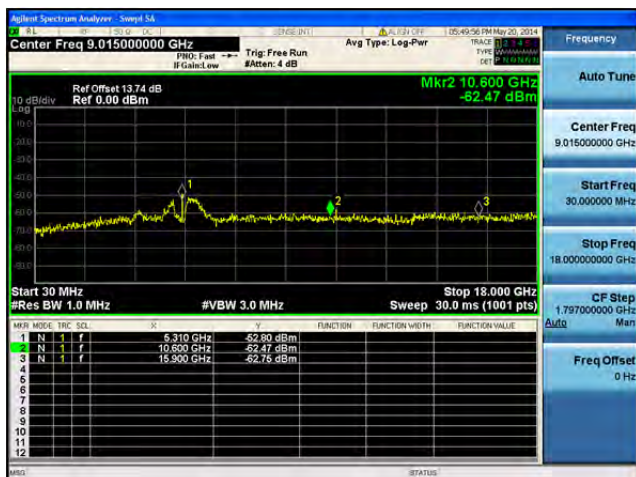
**Conducted Spurs Peak, 5310 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Spurs Peak, 5310 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**

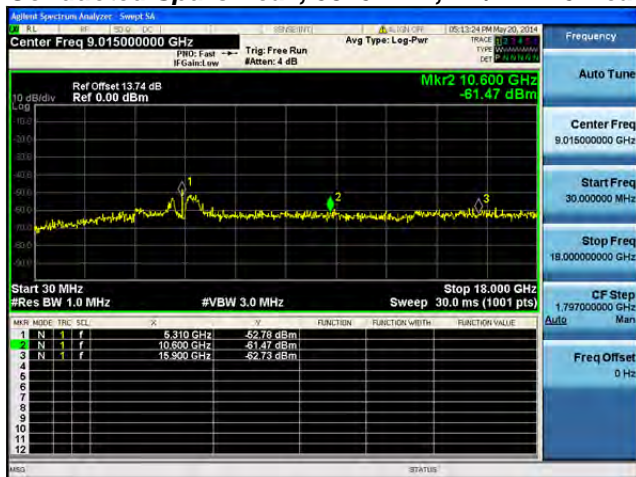
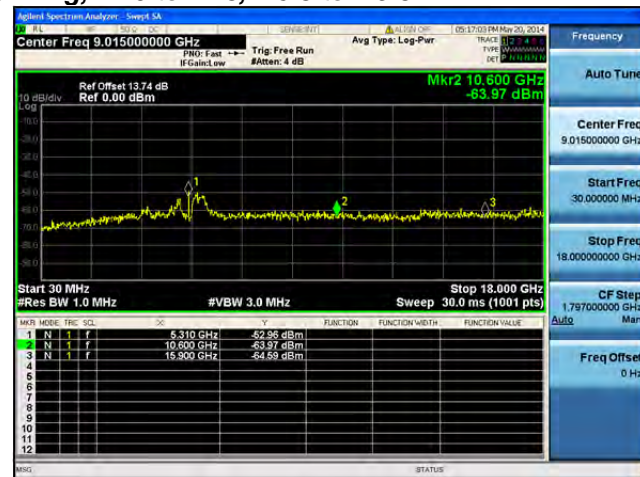
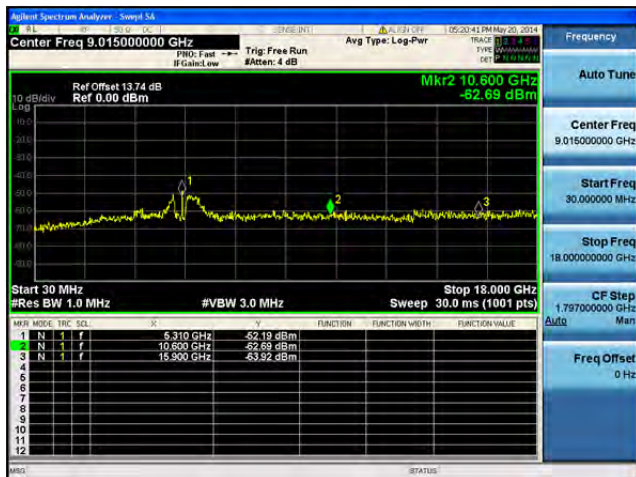


**Conducted Spurs Peak, 5310 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B**

**Conducted Spurs Peak, 5310 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5310 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**



**Conducted Spurs Peak, 5310 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

Ref Offset 13.74 dB  
Ref 0.00 dBm

**Mkr3 15.900 GHz**  
**-62.46 dBm**

Start 30 MHz  
#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 18,000 GHz  
Sweep 30.0 ms (1001 pts)

MARK	MODE	TRIG	FCL	F	dBm	FUNCTION	FUNCTION WITH	FUNCTION VALUE
1	N	1	f	5.310 GHz	-57.72 dBm			
2	N	1	f	10.600 GHz	-62.71 dBm			
3	N	1	f	15.900 GHz	-62.46 dBm			

MkR	MODE	FREQ	SQL	dB	TX	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.310 GHz	-59.40 dBm			
2	N	1	f	10.600 GHz	-64.17 dBm			
3	N	1	f	15.900 GHz	-63.93 dBm			

[illegible]

Agilent Spectrum Analyzer - Sweep 3A

File Edit View Window Help

Center Freq 9.015000000 GHz

PRF: Fast B Cont: Low

Trig: Free Run

Avg Type: Log-Pwr

07:06:28 PM Mar 20, 2014

Trace 1: 1.000000000 GHz

Type: 0.000000000 dB

Ref Offset 13.74 dB

Ref 0.00 dBm

Mkr3 15.900 GHz

-52.89 dBm

Start 30 MHz

#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 18.000 GHz

Sweep 30.0 ms (1001 pts)

Mkr	Mode	Trc	SCL	dB	F	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f		5.310 GHz			-47.83 dBm
2	N	1	f		10.500 GHz			-53.83 dBm
3	N	1	f		15.900 GHz			-52.89 dBm
4								
5								
6								
7								
8								
9								
10								
11								
12								

Frequency

Auto Tune

Center Freq 9.015000000 GHz

Start Freq 30.000000000 GHz

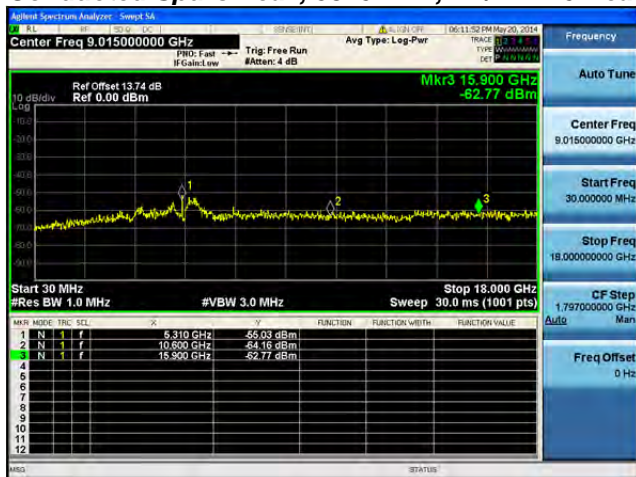
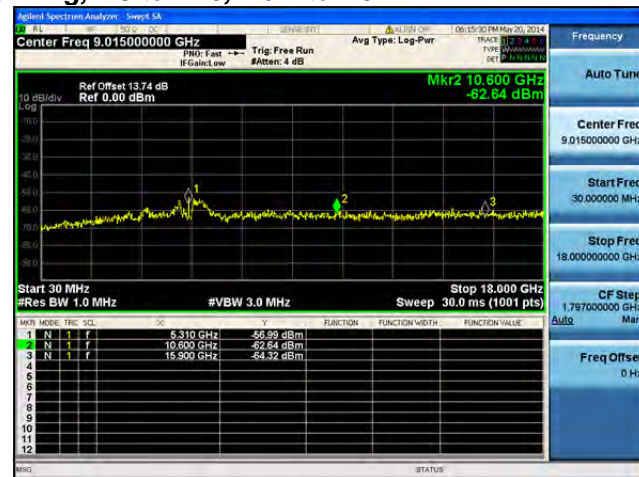
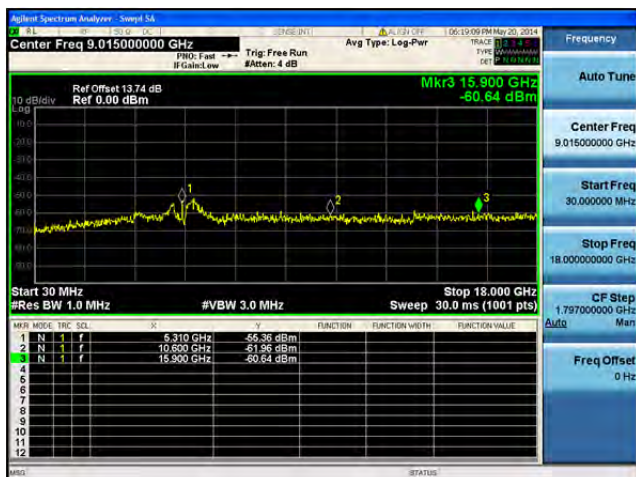
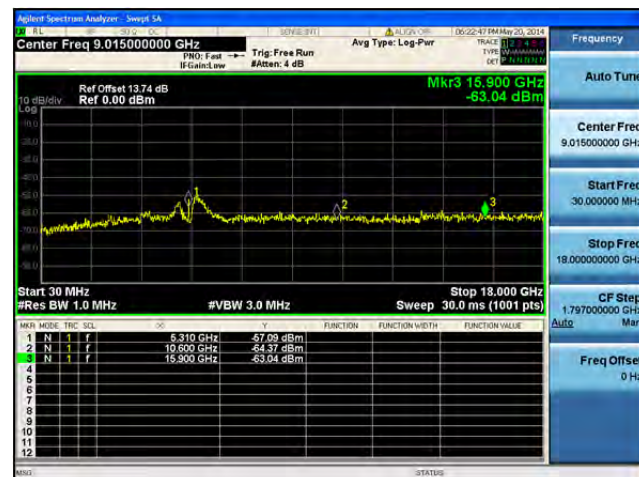
Stop Freq 18.000000000 GHz

CF Step 1.797000000 GHz

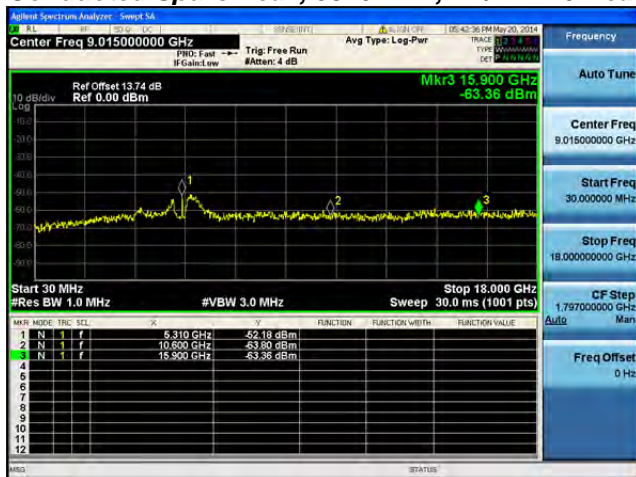
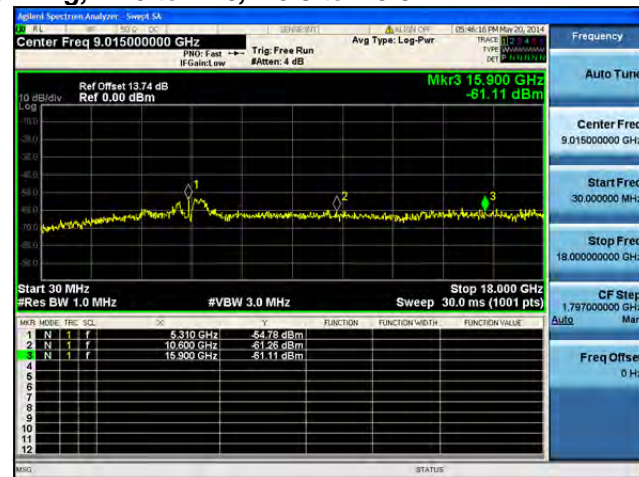
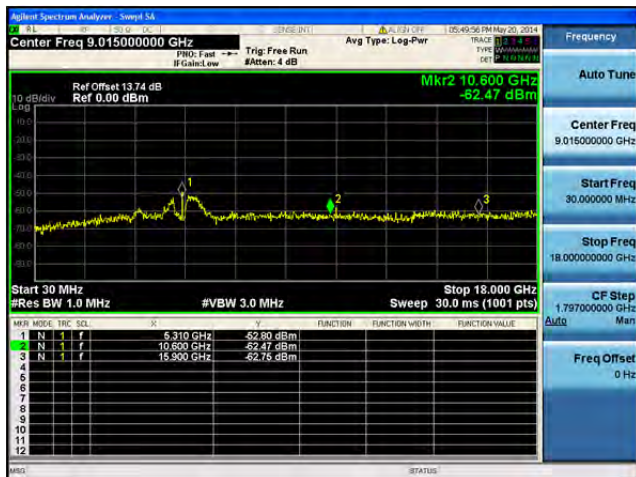
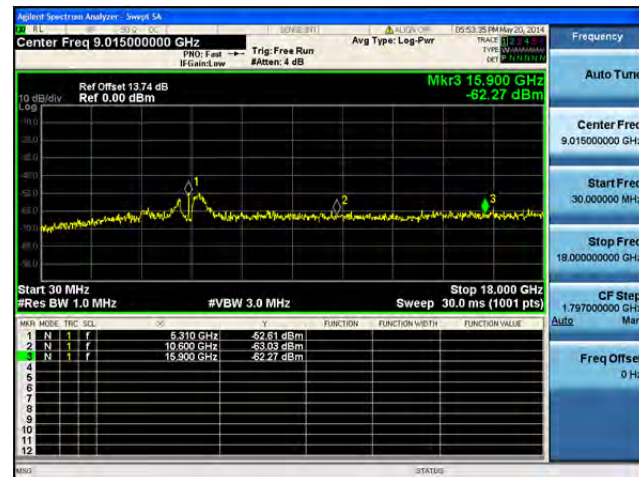
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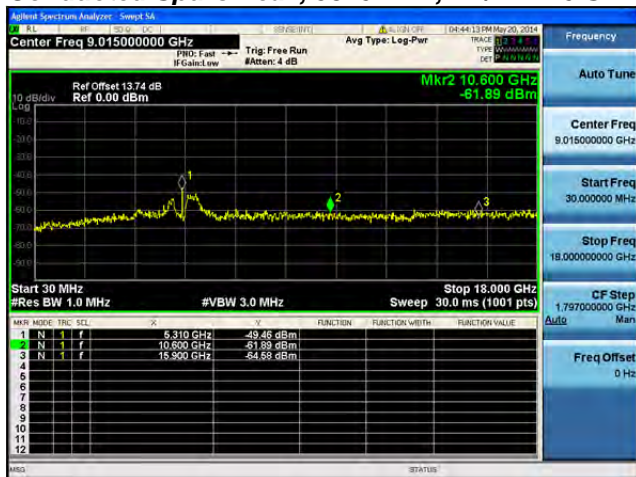
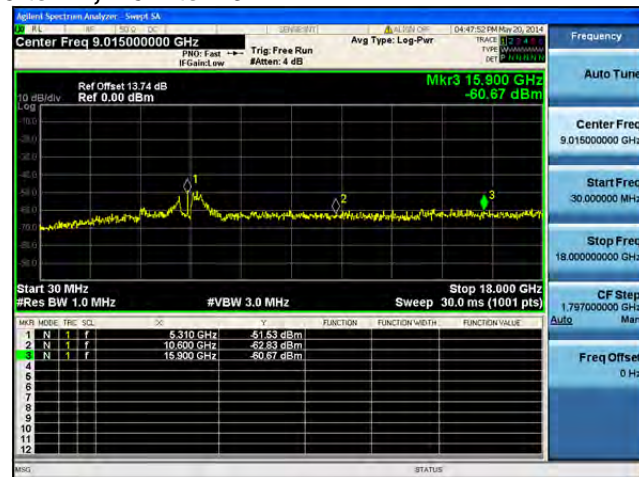
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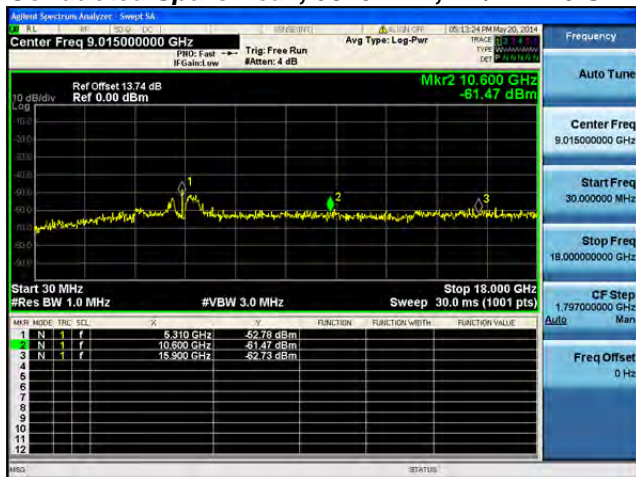
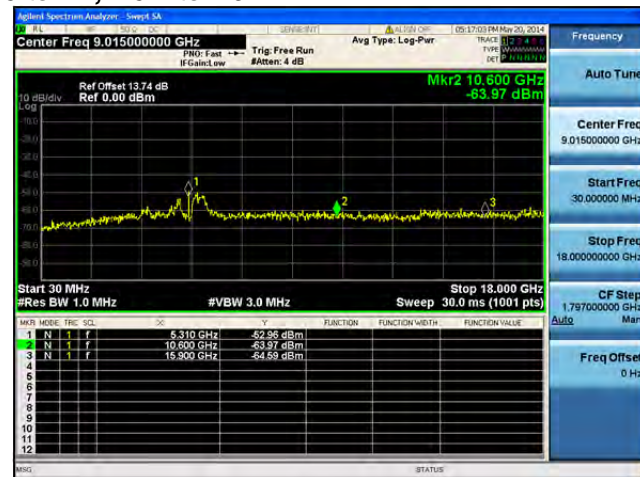
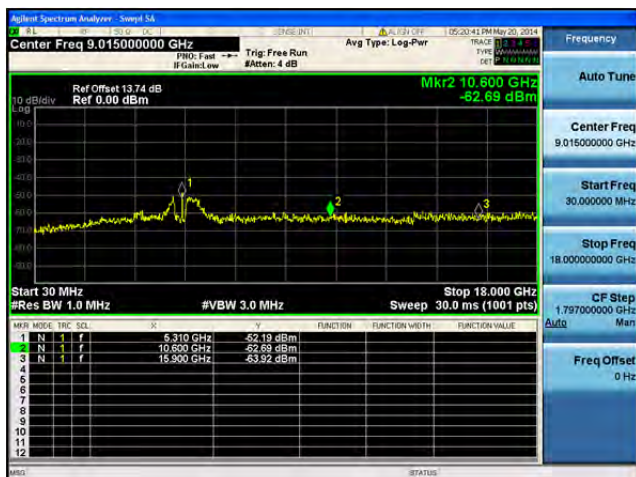
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**Conducted Spurs Peak, 5310 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

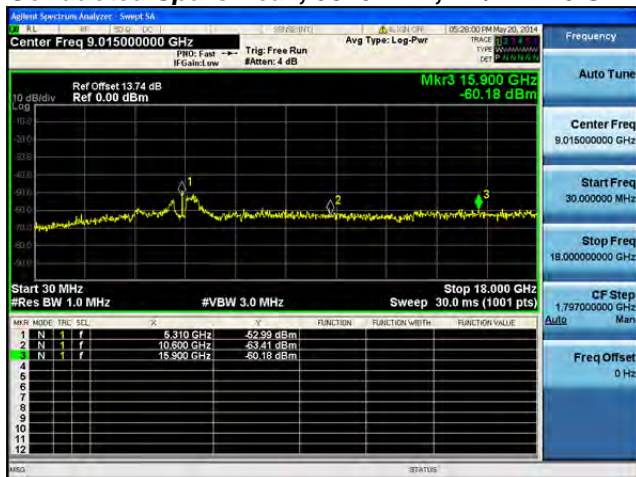
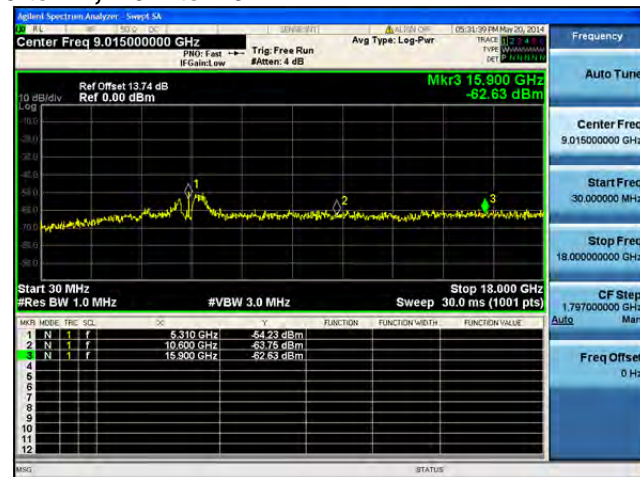
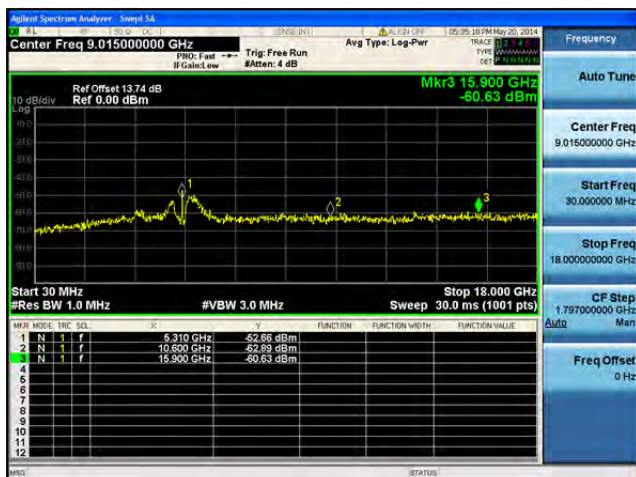
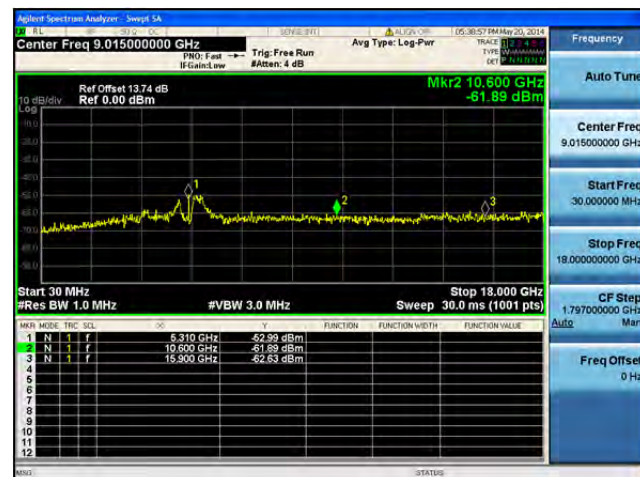


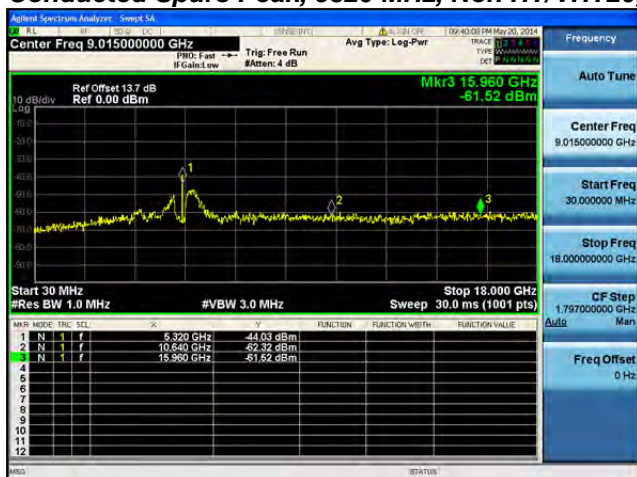
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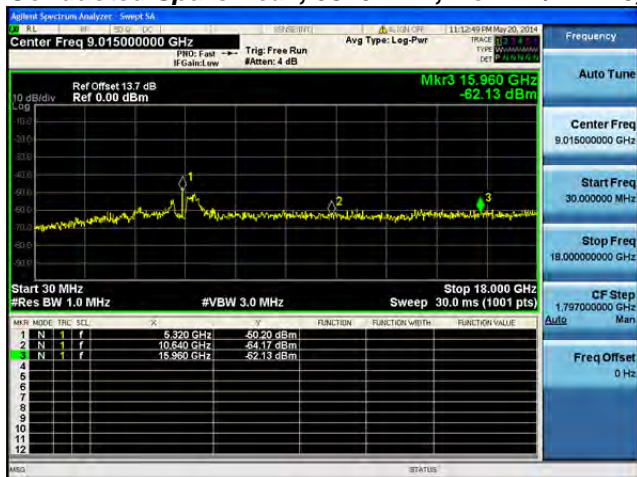
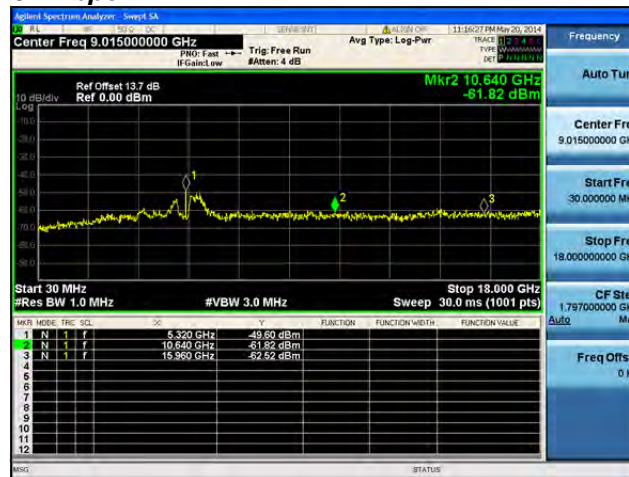
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**Conducted Spurs Peak, 5310 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

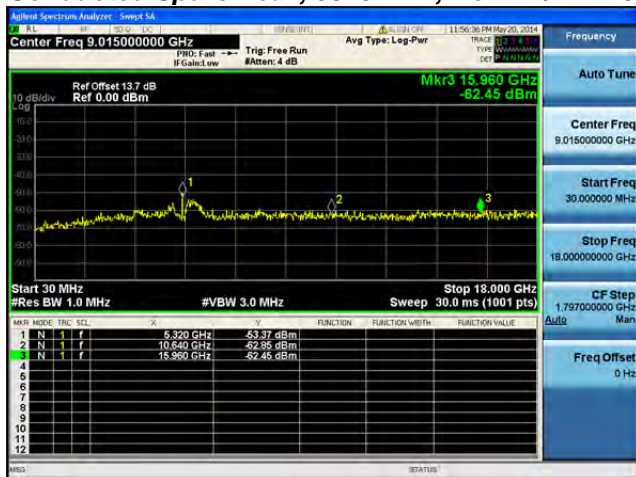
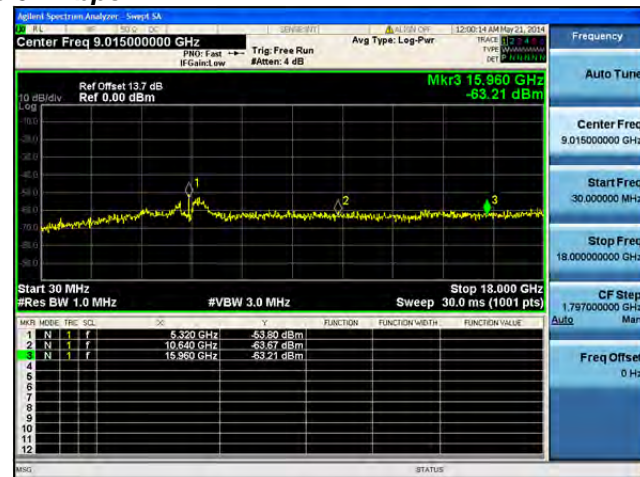
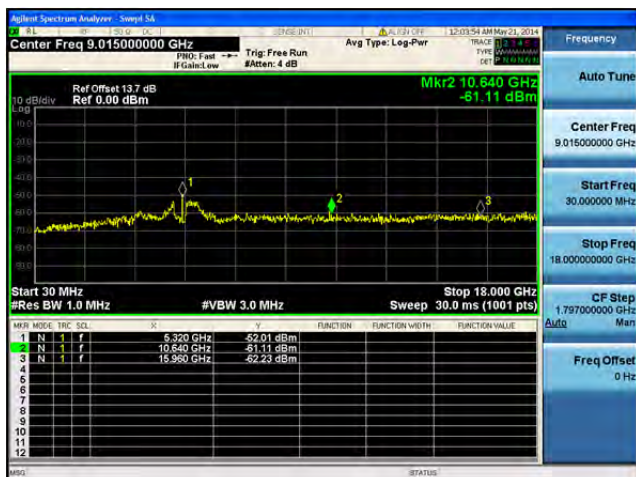


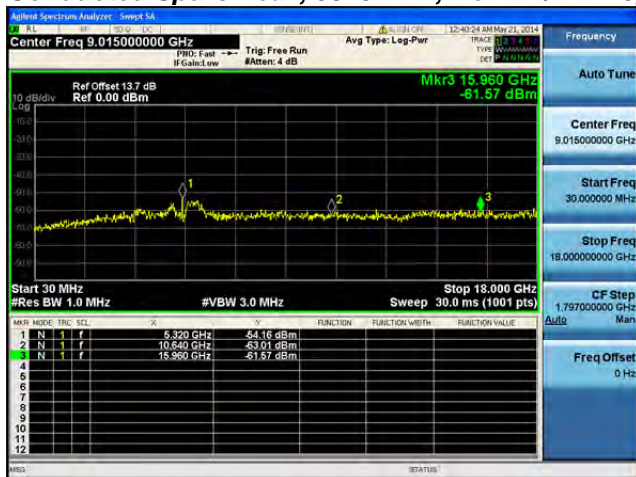
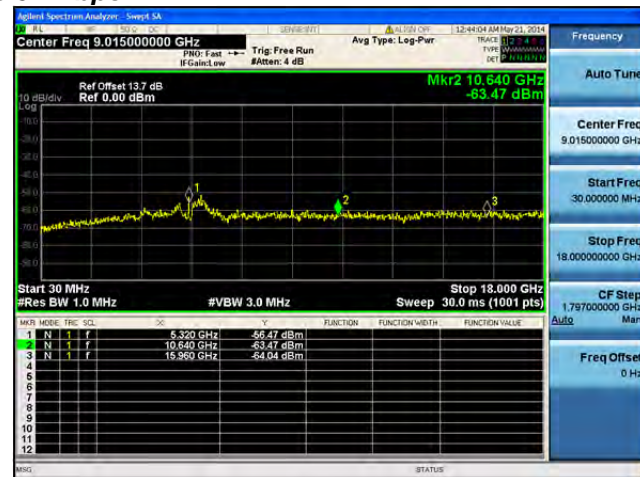
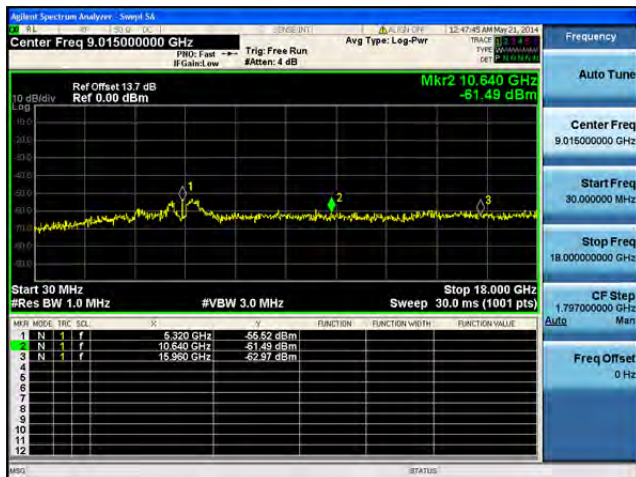
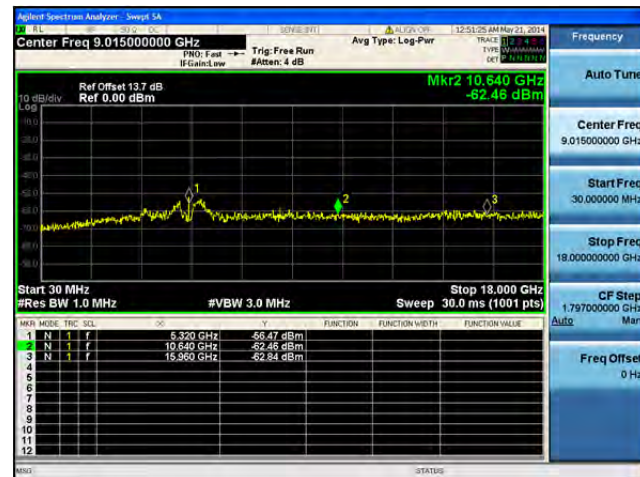
**Conducted Spurs Peak, 5310 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

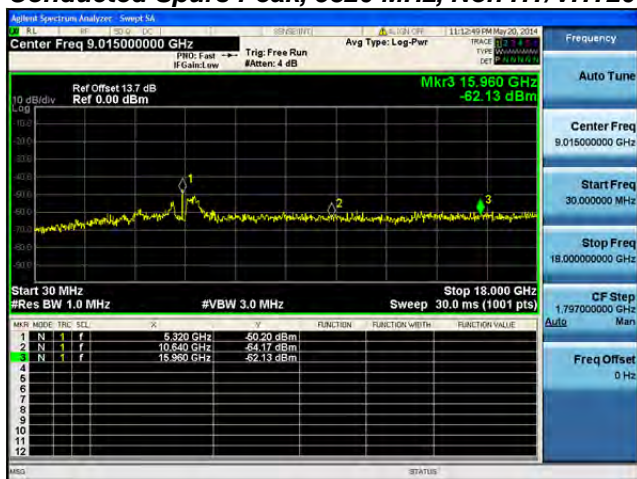
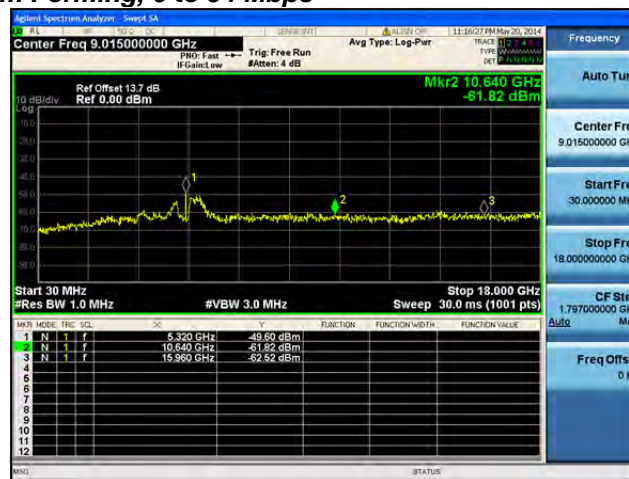
**Conducted Spurs Peak, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps****Antenna A**

**Conducted Spurs Peak, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps****Antenna A****Antenna B**

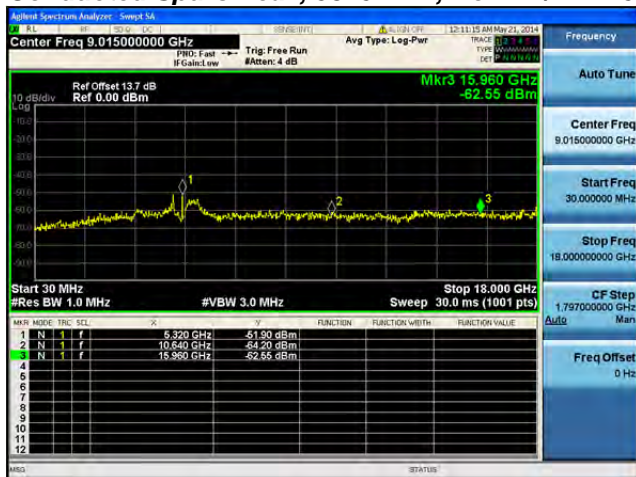
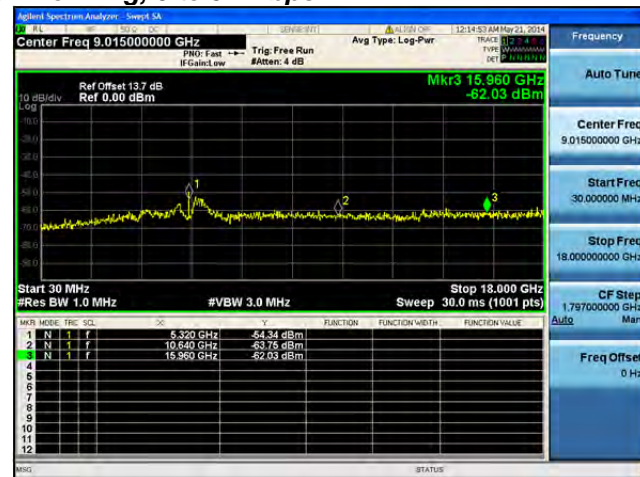
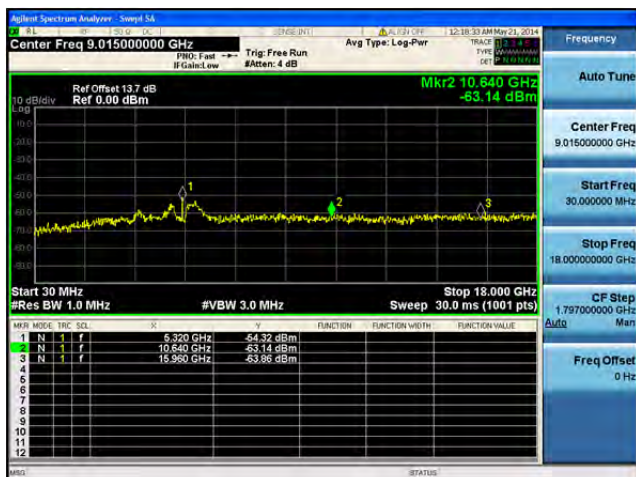


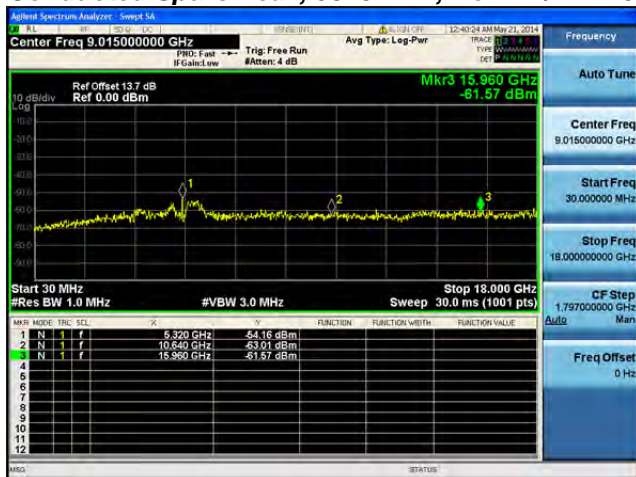
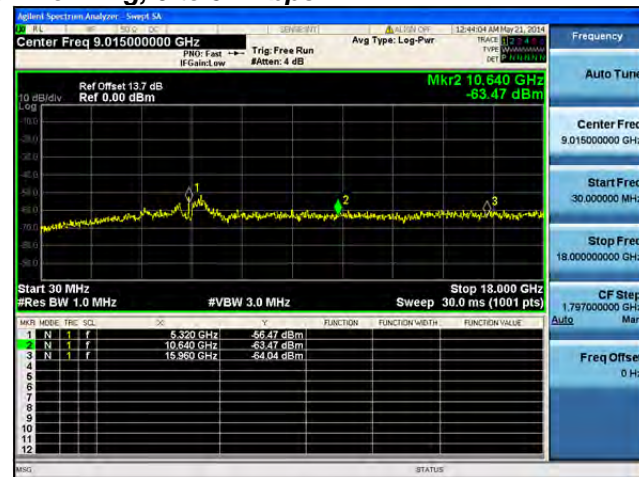
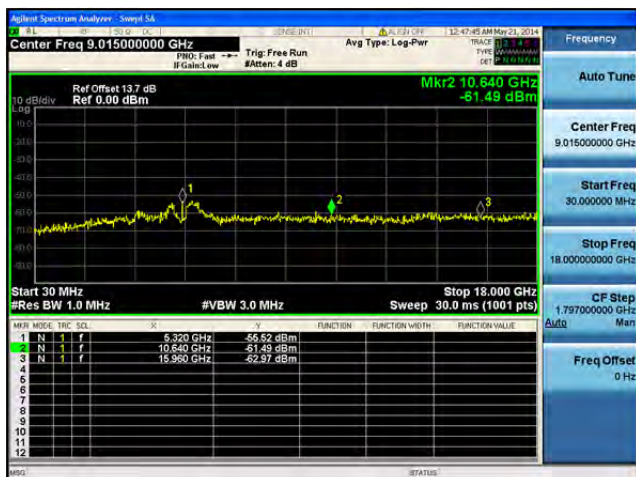
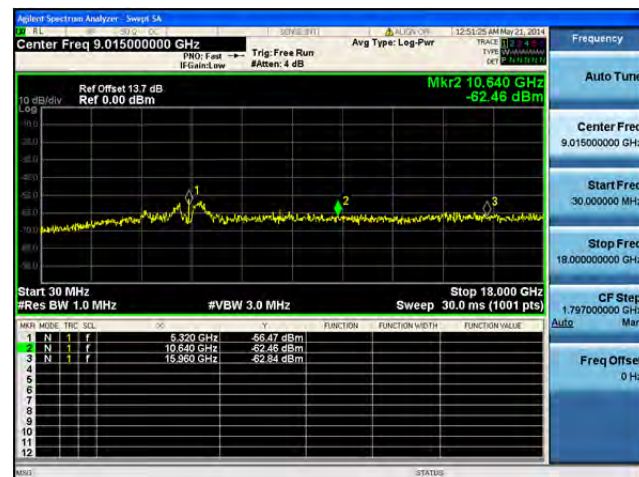
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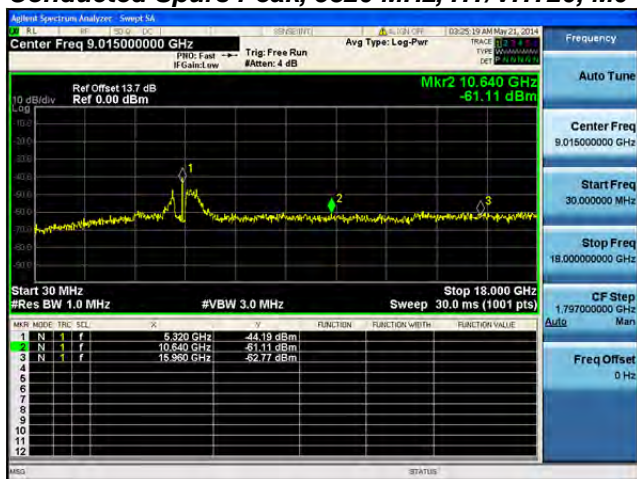
**Conducted Spurs Peak, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Spurs Peak, 5320 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps****Antenna A****Antenna B**

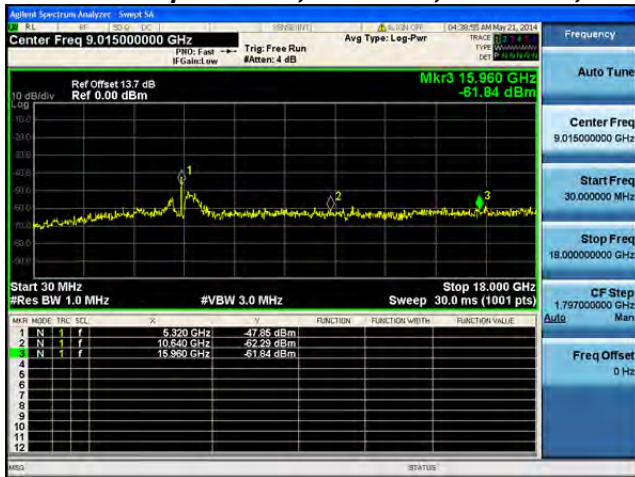
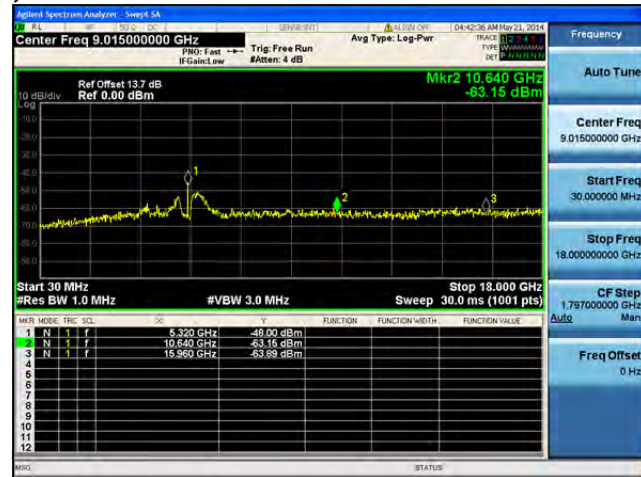


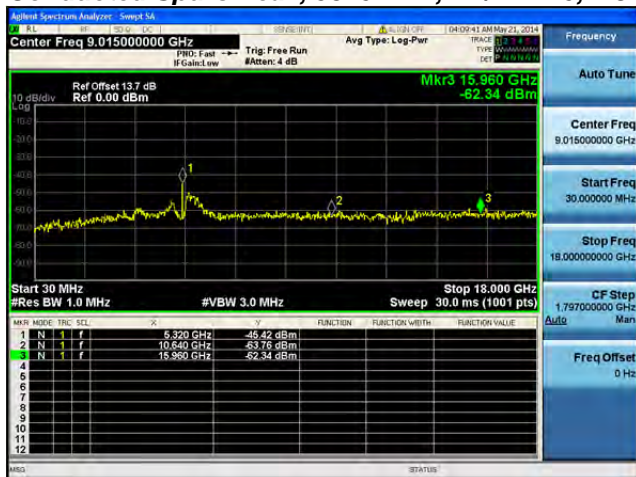
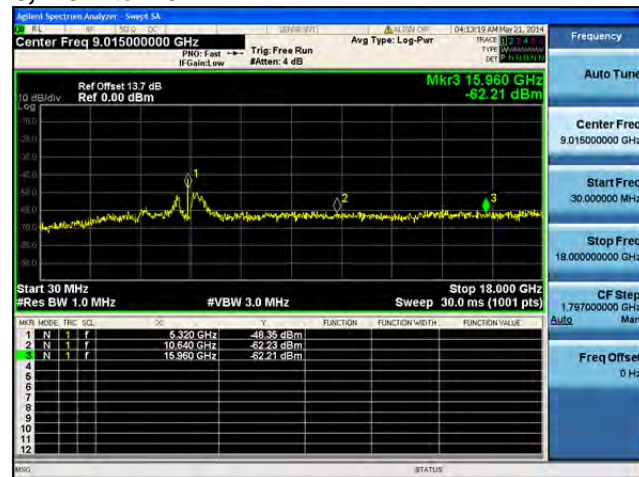
**Conducted Spurs Peak, 5320 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C**

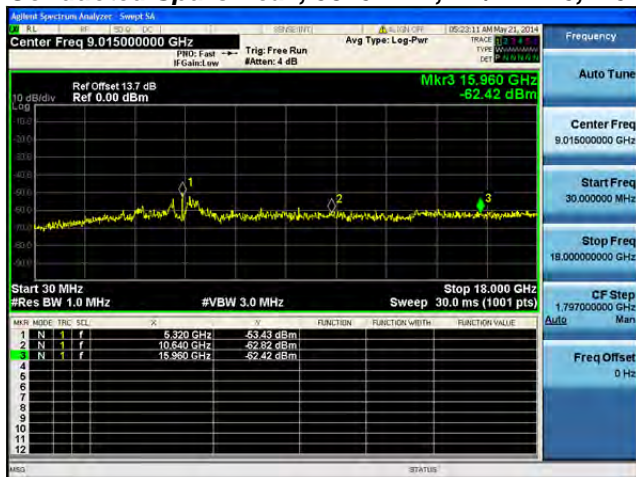
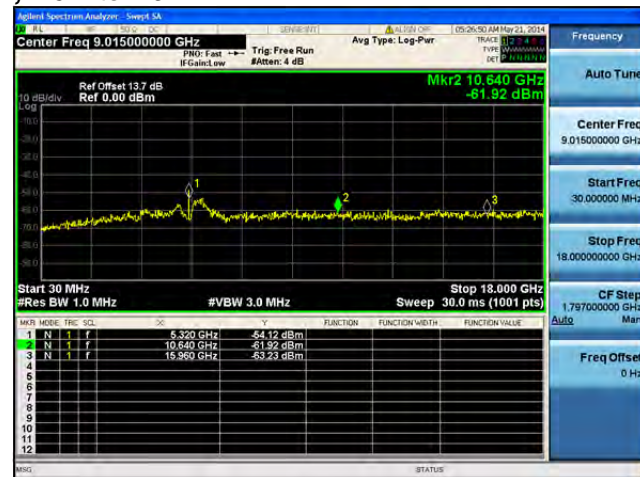
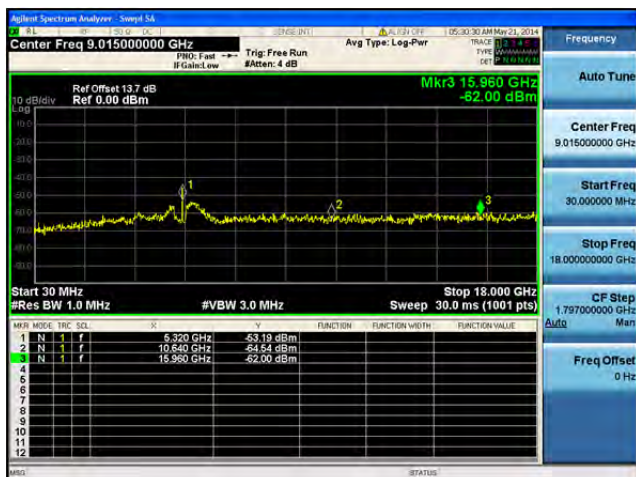
**Conducted Spurs Peak, 5320 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Spurs Peak, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1****Antenna A**

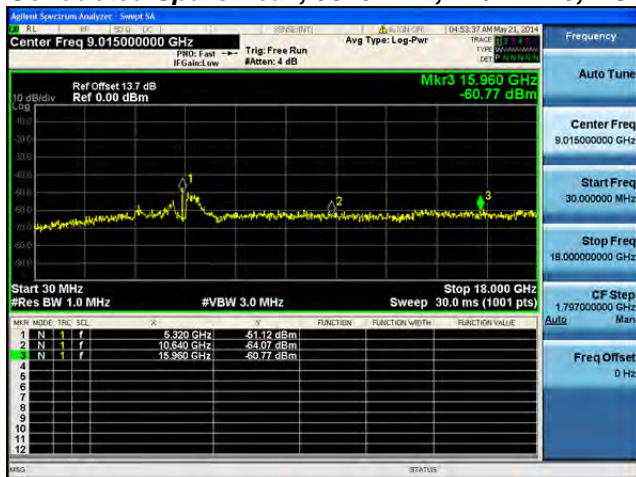
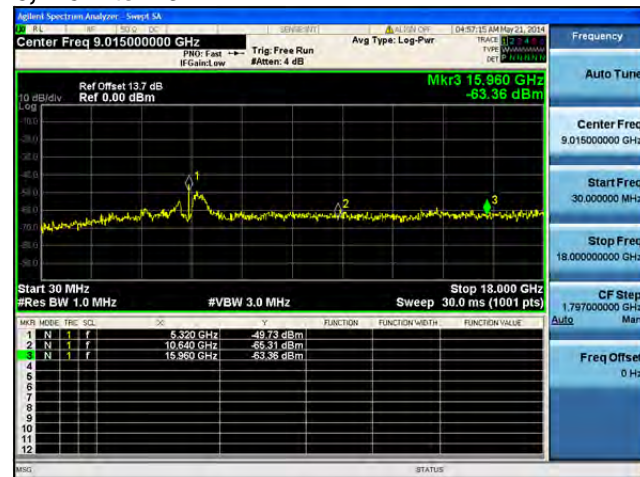
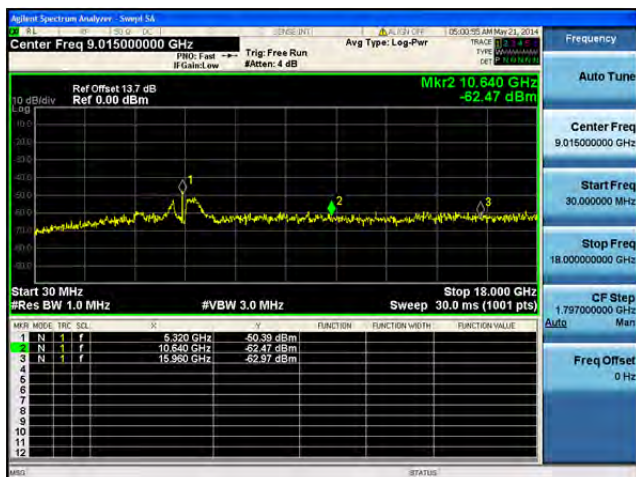


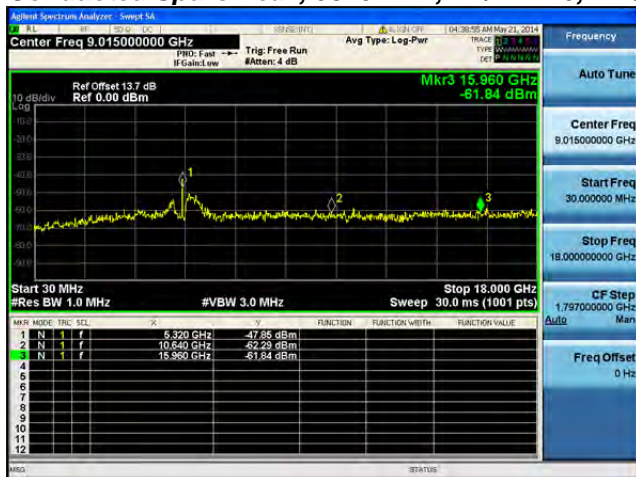
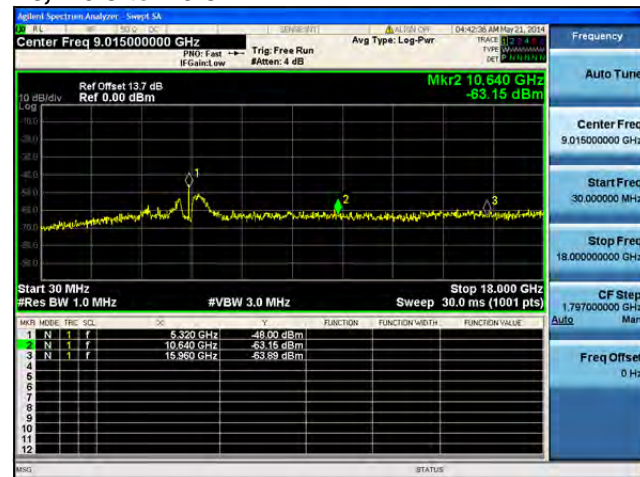
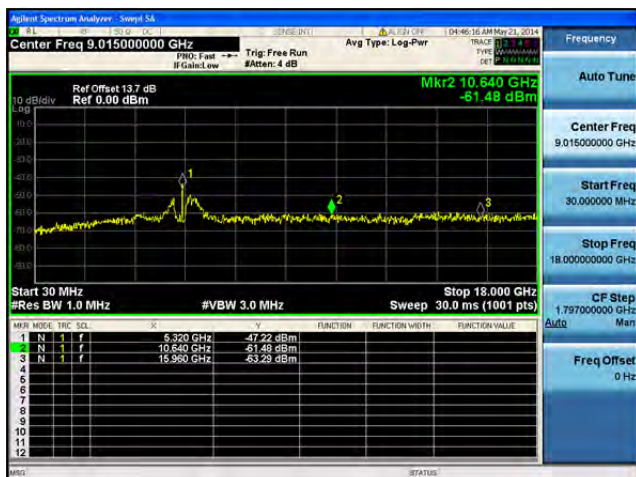
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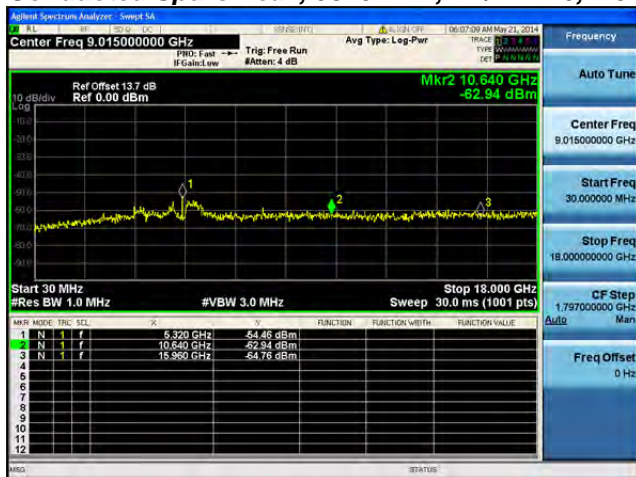
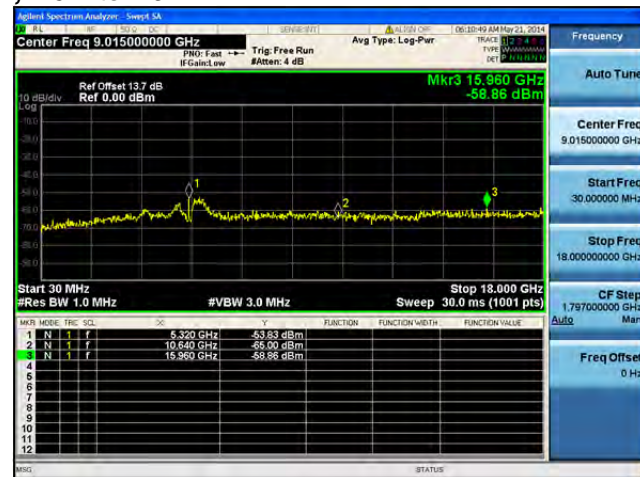
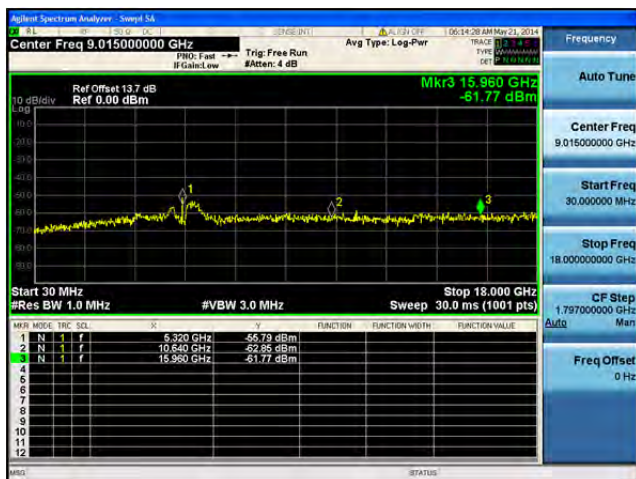
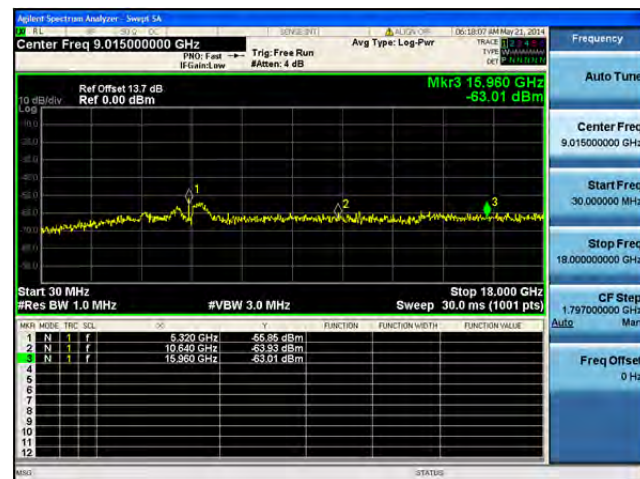
**Conducted Spurs Peak, 5320 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B**

**Conducted Spurs Peak, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

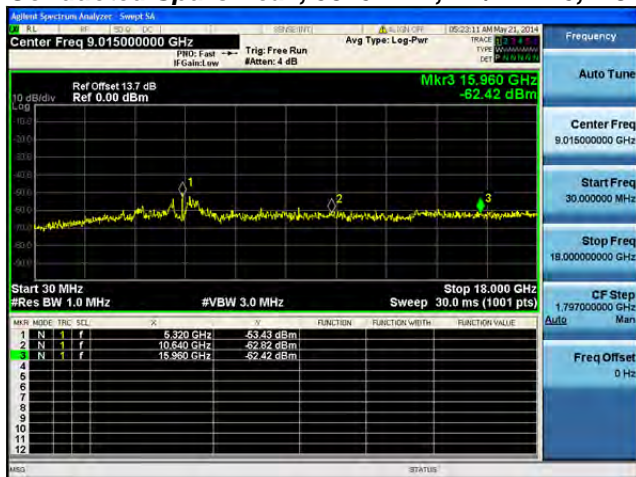
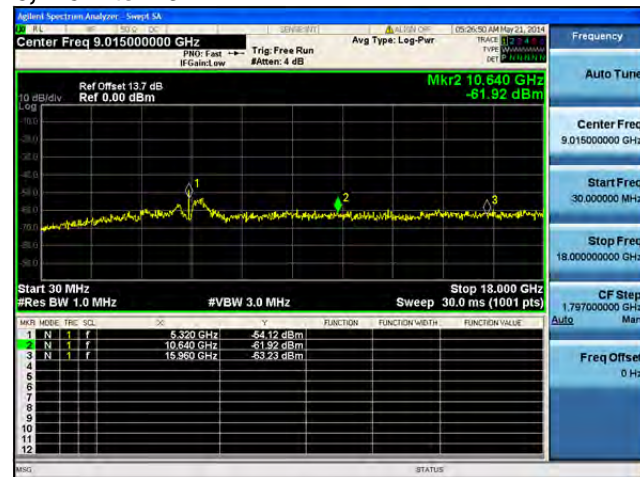
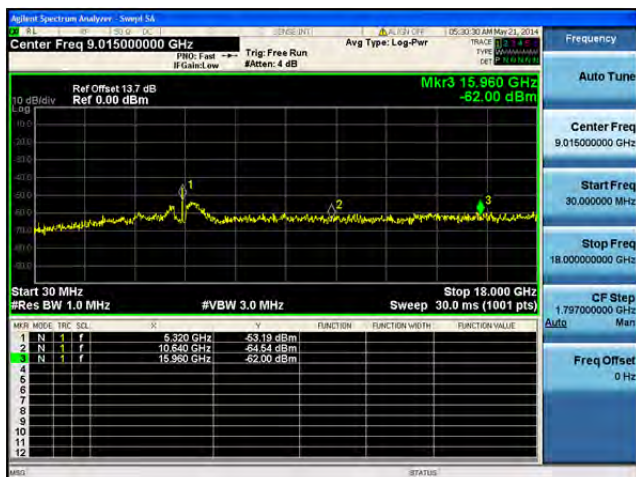
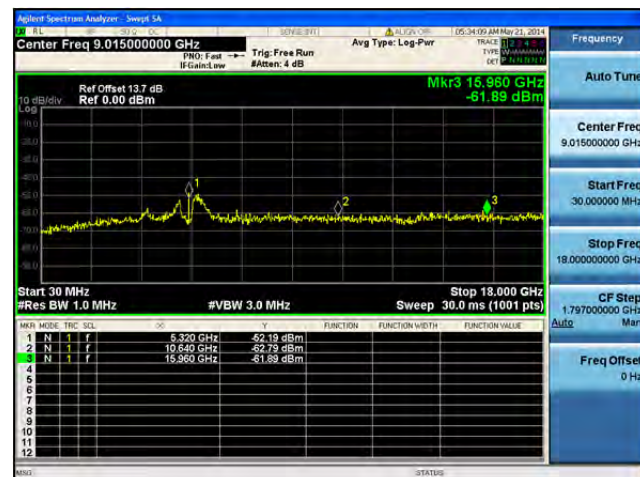


**Conducted Spurs Peak, 5320 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5320 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**



**Conducted Spurs Peak, 5320 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

Keysight Spectrum Analyzer - Smyth 64

Center Freq 9.015000000 GHz

Ref Offset 13.7 dB  
Ref 0.00 dBm

Mkr3 15.960 GHz  
-60.77 dBm

Start 30 MHz  
#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 18.000 GHz  
Sweep 30.0 ms (1001 pts)

MN	MODE	TRIG	SL	F	F	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.920 GHz	-51.12 dBm			
2	N	1	f	10.640 GHz	-64.07 dBm			
3	N	1	f	15.960 GHz	-60.77 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

Frequency

Auto Tune

Center Freq  
9.015000000 GHz

Start Freq  
30.000000 MHz

Stop Freq  
18.000000000 GHz

CF Step  
1.797000000 GHz

Auto

Man

Freq Offset  
0 Hz

STATUS

Agilent Spectrum Analyzer: Sweep 1A

Center Freq 9.015000000 GHz

Ref Offset 13.7 dB  
Ref 0.00 dBm

Mkr3 15.960 GHz  
-53.36 dBm

Start 30 MHz  
#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 18.000 GHz  
Sweep 30.0 ms (1001 pts)

MKR	MODE	FREQ	SCL	DB	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	9.020 GHz	f	-59.73	dBm			
2	N	10.640 GHz	f	-58.31	dBm			
3	N	15.960 GHz	f	-53.36	dBm			
4	N							
5	N							
6	N							
7	N							
8	N							
9	N							
10	N							
11	N							
12	N							

**Ref Offset 13.7 dB**  
**Ref 0.00 dBm**

**Center Freq 9.015000000 GHz**  
**Span 30 MHz**  
**Res BW 1.0 MHz**

**Trig: Free Run**  
**#Att: 4 dB**

**Avg Type: Log-Pwr**

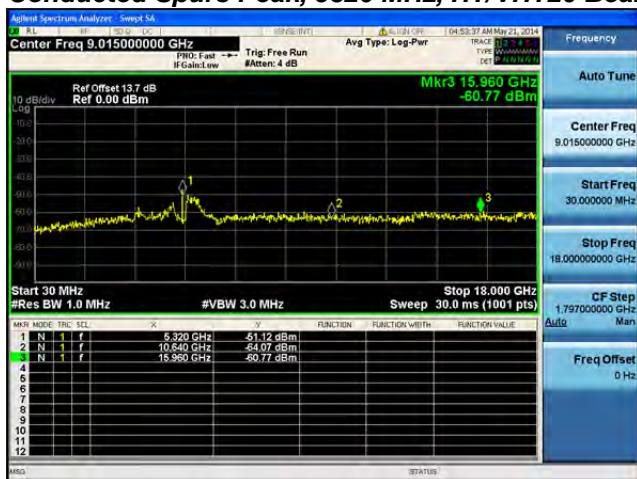
**Mkr2 10.840 GHz**  
**-52.47 dBm**

**Stop 18.000 GHz**  
**Sweep 30.0 ms (1001 pts)**

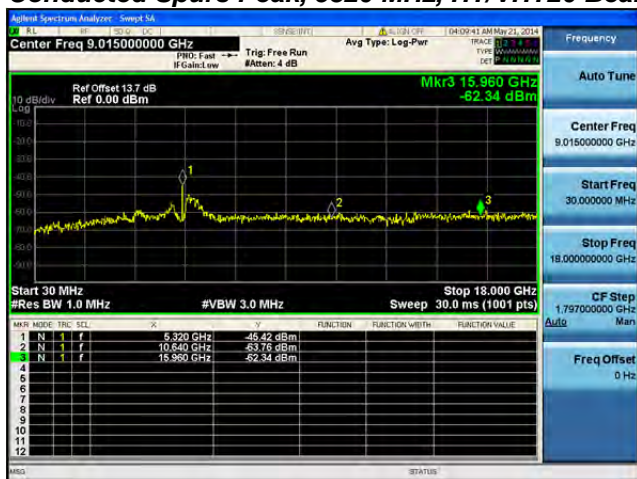
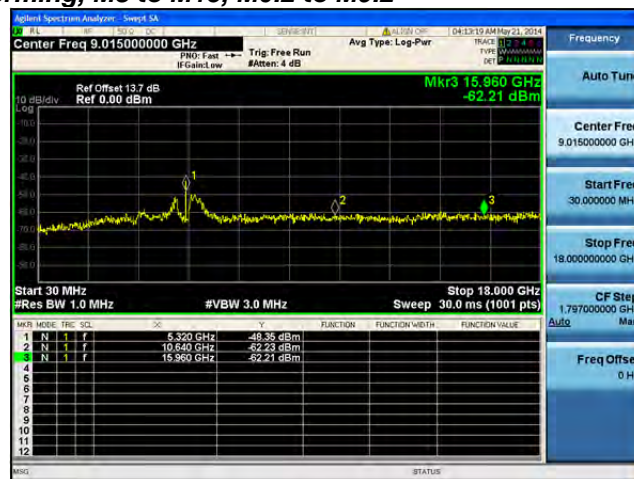
MkR	Mode	TRC	SCL	F	F	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	9.020 GHz	-50.33 dBm			
2	N	1	f	10.840 GHz	-52.47 dBm			
3	N	1	f	15.980 GHz	-52.97 dBm			

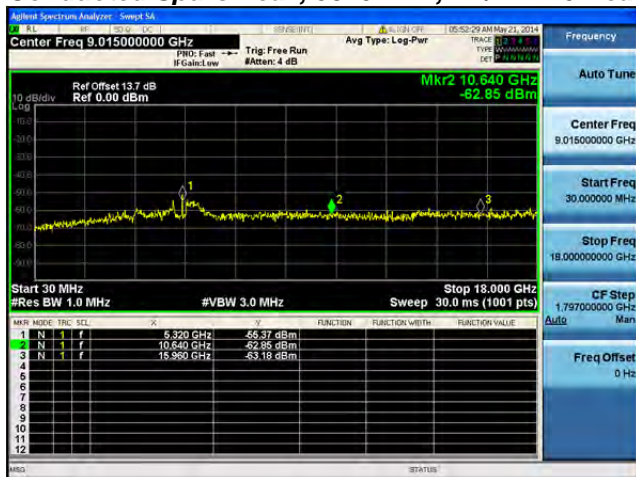
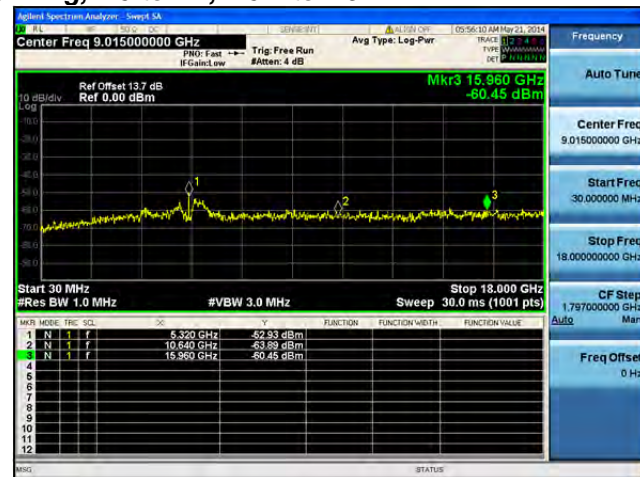
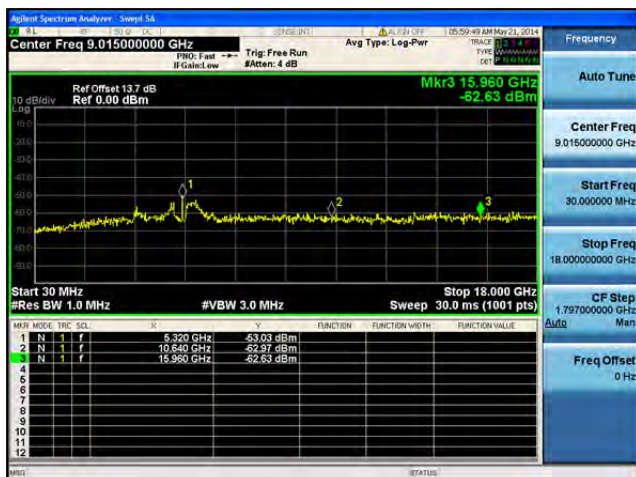
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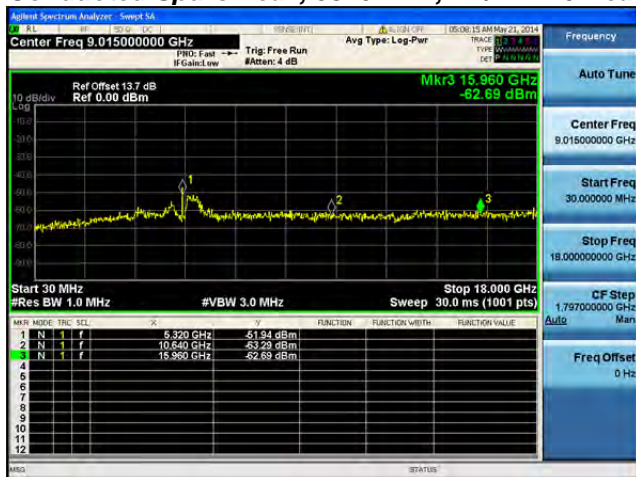
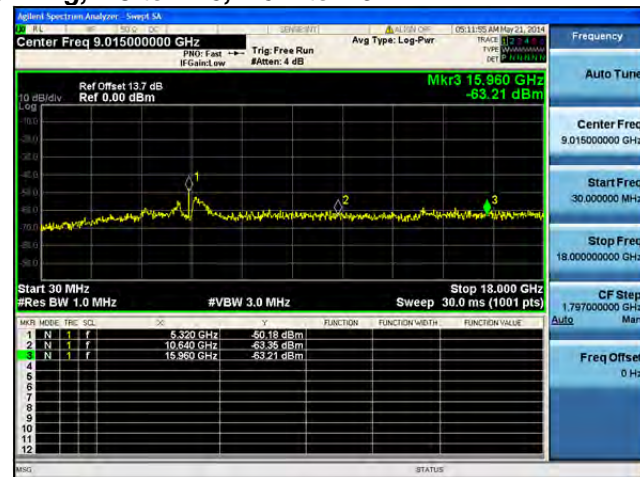
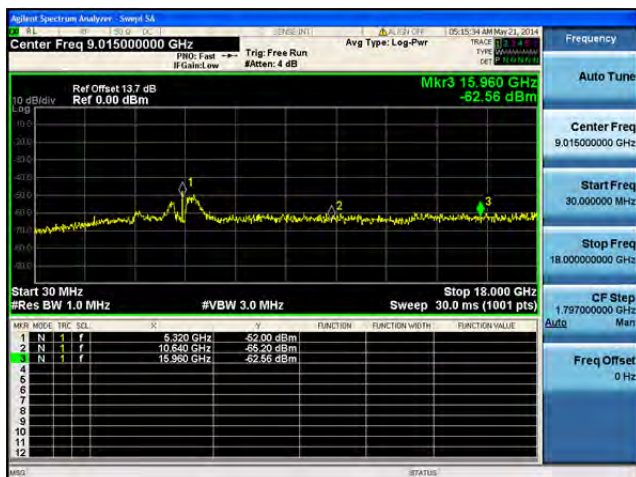
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**Conducted Spurs Peak, 5320 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**

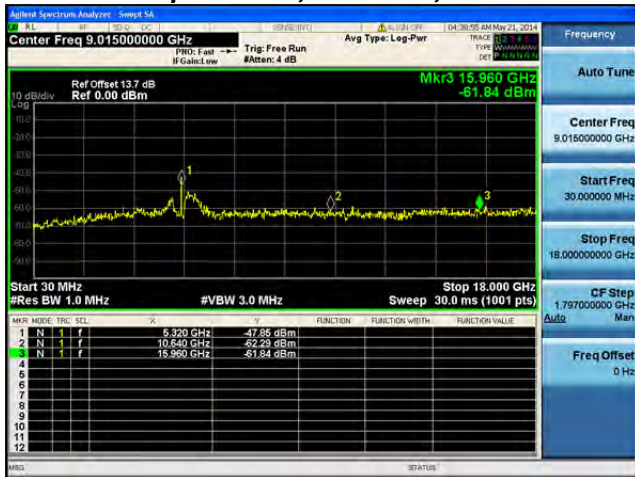
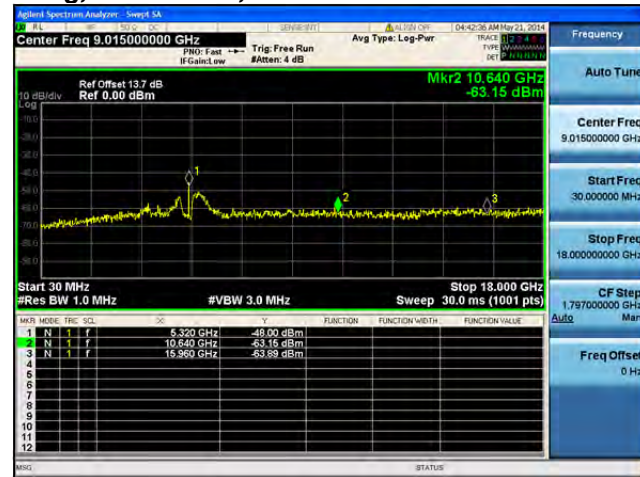
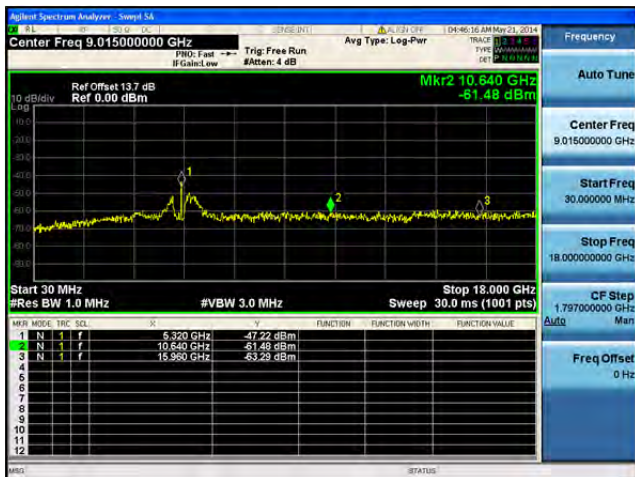


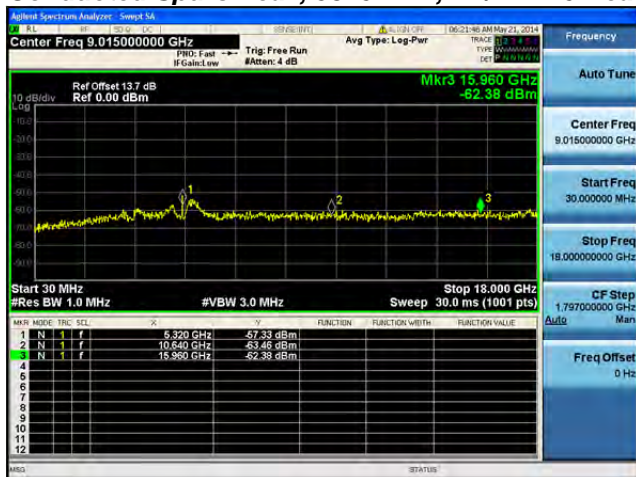
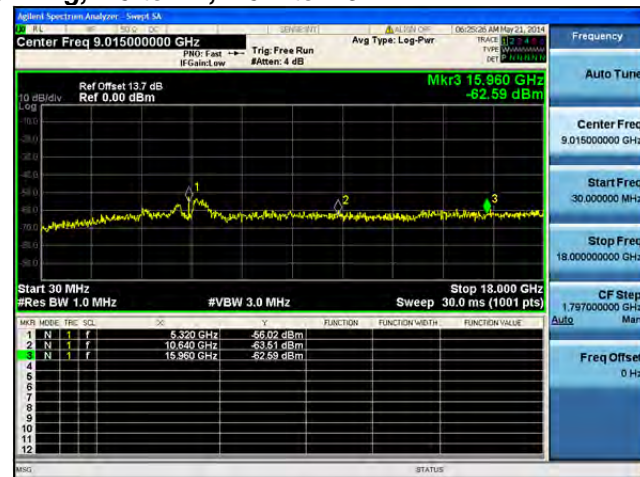
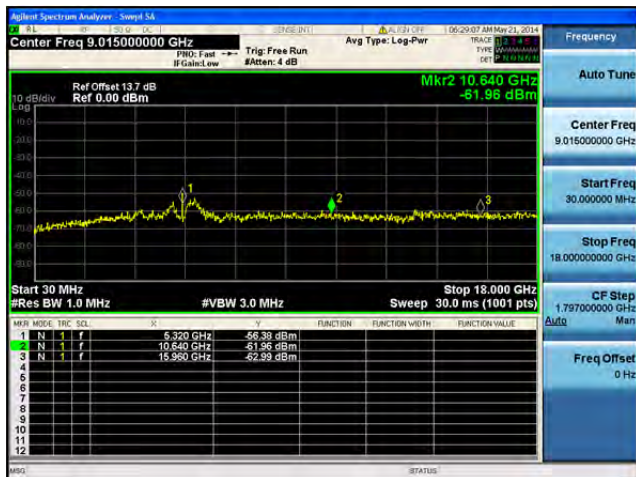
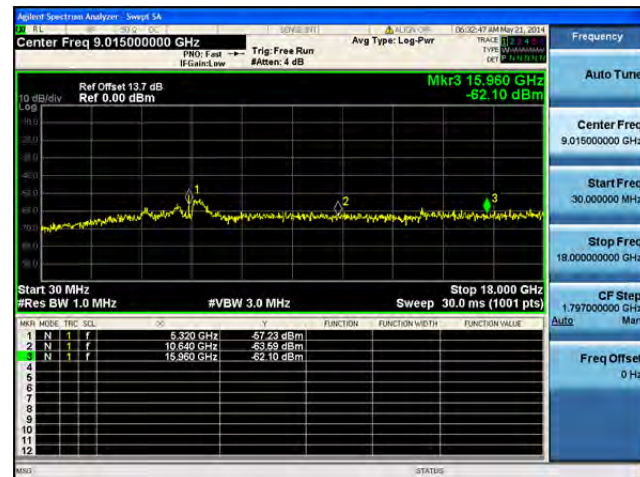
**Conducted Spurs Peak, 5320 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B**

**Conducted Spurs Peak, 5320 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5320 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**



**Conducted Spurs Peak, 5320 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

**Conducted Spurs Peak, 5320 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

Center Freq 9.01500000 GHz

Ref Offset 13.7 dB  
Ref 0.00 dBm

Mkr3 15.960 GHz  
-61.25 dBm

Start 30 MHz  
#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 18.000 GHz  
Sweep 30.0 ms (1001 pts)

MNR	MODE	FREQ	SL	dB	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	9.920 GHz	-63.03 dBm		
2	N	1	f	10.640 GHz	-64.45 dBm		
3	N	1	f	15.960 GHz	-61.25 dBm		
4							
5							
6							
7							
8							
9							
10							
11							
12							

**Spectrum Analyzer**

Center Freq 9.015000000 GHz  
 Ref Offset 13.7 dB  
 Ref 0.00 dBm

Mkr2 10.640 GHz  
 -31.36 dBm

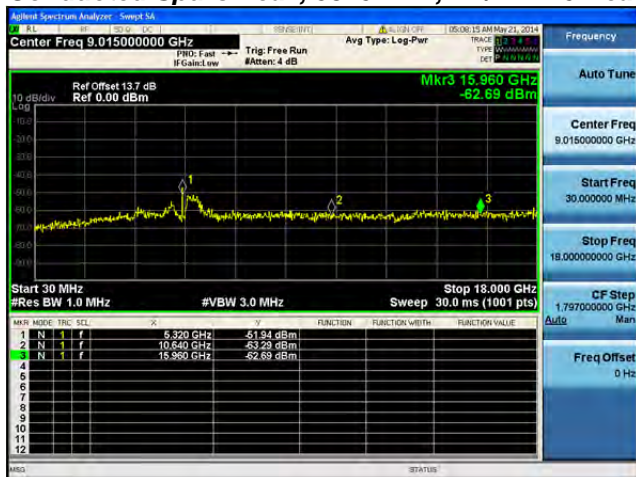
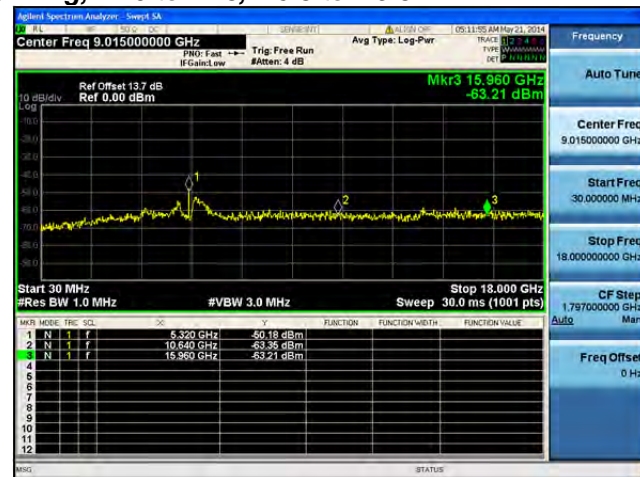
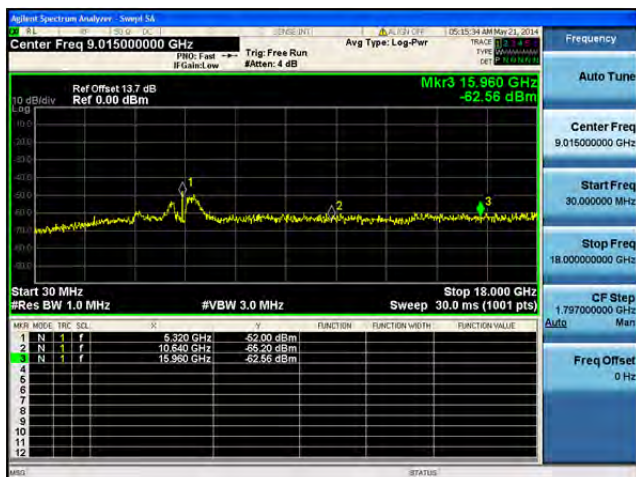
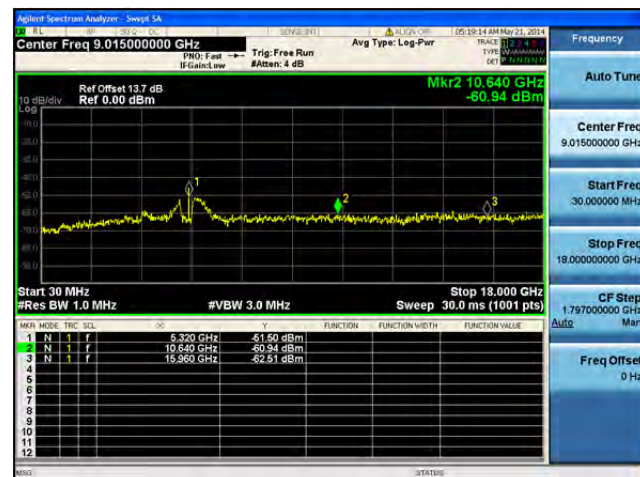
Start 30 MHz  
 #Res BW 1.0 MHz  
 #VBW 3.0 MHz  
 Sweep 30.0 ms (1001 pts)

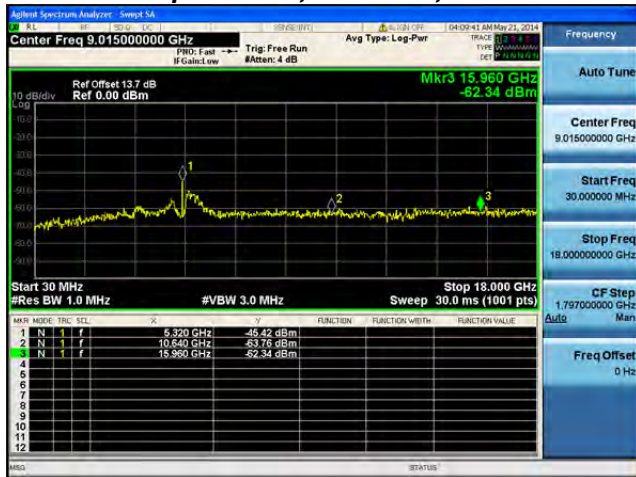
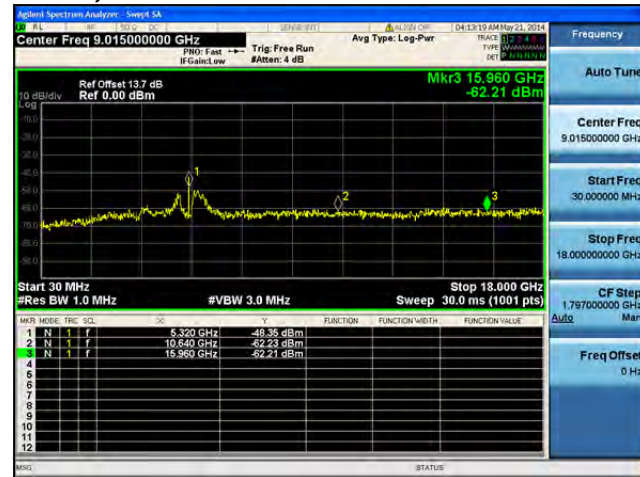
MN	FREQ	SC	DC	V	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	9.320 GHz	-	-31.60 dBm				
2	10.640 GHz	f	-31.36 dBm				
3	15.960 GHz	r	-33.01 dBm				

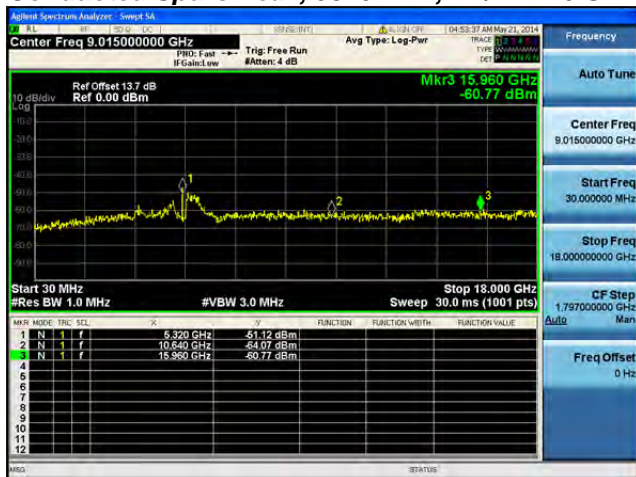
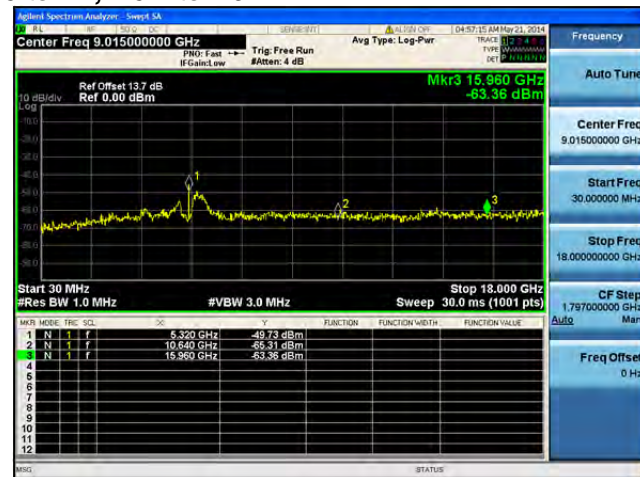
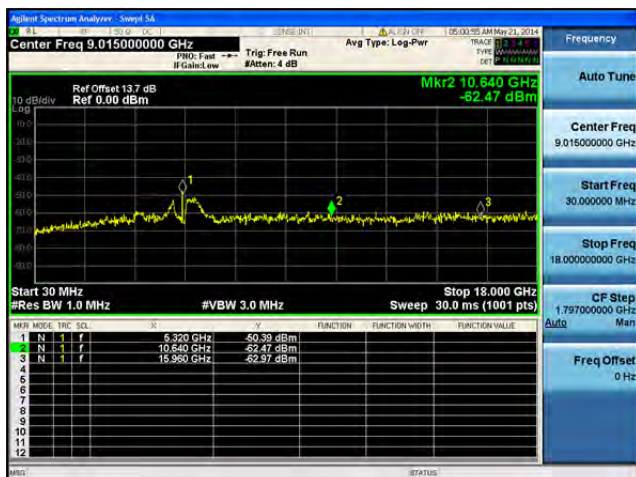
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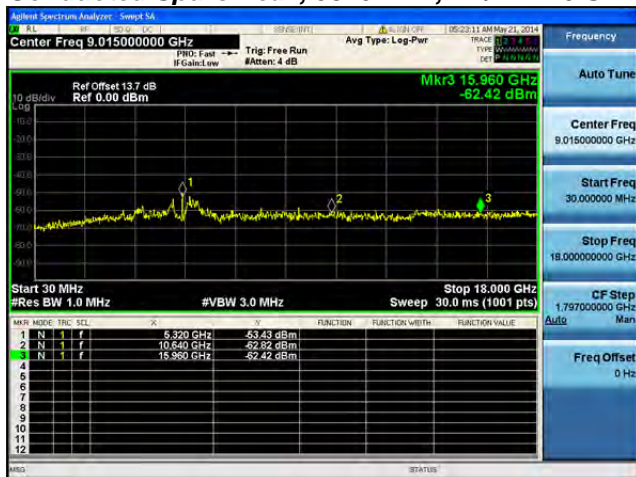
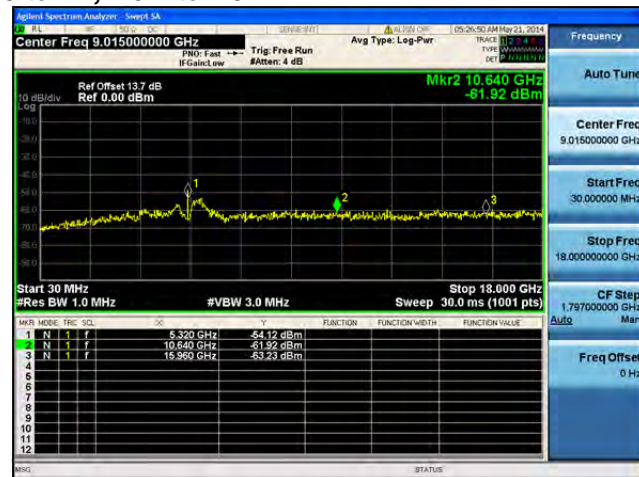
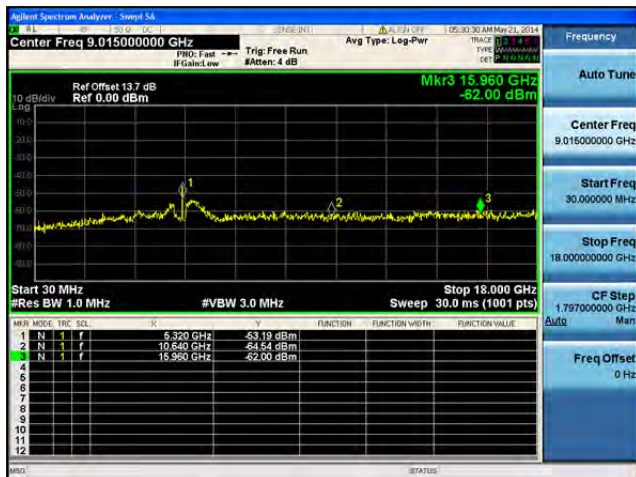
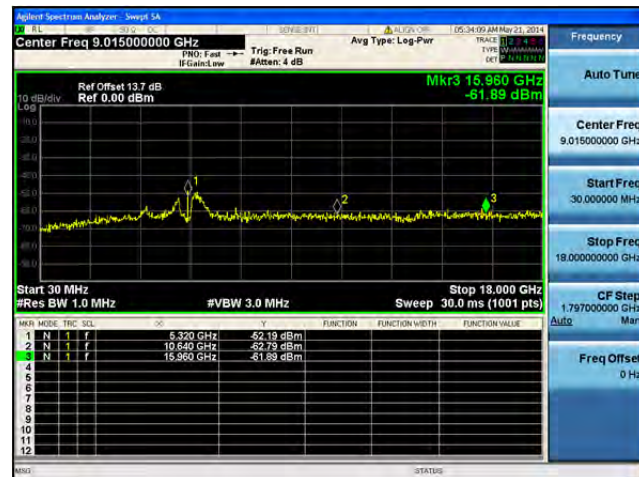


**Conducted Spurs Peak, 5320 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Spurs Peak, 5320 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**

**Conducted Spurs Peak, 5320 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**



**Conducted Spurs Peak, 5320 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**



## Conducted Bandedge

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

Connect the antenna port(s) to the spectrum analyzer input. Place the radio in continuous transmit mode. Be sure to enter all losses between the transmitter output and the spectrum analyzer.

Reference Level:	10 dBm
Attenuation:	4 dB
Sweep Time:	Coupled
Resolution Bandwidth:	1MHz
Video Bandwidth:	100 Hz for average
Detector:	Peak

Save 2 plots:     Average Plot (Vertical and Horizontal), Limit= -41.25 dBm eirp (54dBuV @3m)

Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands.

The “measure-and-sum technique” is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units.

This report represents the worst case data for all supported operating modes and antennas.



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Bandedge Level (dBm)	Tx 2 Bandedge Level (dBm)	Tx 3 Bandedge Level (dBm)	Tx 4 Bandedge Level (dBm)	Total Tx Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
5290	Non HT/VHT80, 6 to 54 Mbps	1	5	-46.4				-41.4	-41.25	0.1
	Non HT/VHT80, 6 to 54 Mbps	2	5	-51.8	-50.6			-43.1	-41.25	1.9
	Non HT/VHT80, 6 to 54 Mbps	3	5	-51.8	-50.6	-50.9		-41.3	-41.25	0.0
	Non HT/VHT80, 6 to 54 Mbps	4	5	-53.0	-51.9	-51.9	-53.0	-41.4	-41.25	0.1
	HT/VHT80, M0 to M7, M0.1 to M9.1	1	5	-47.9				-42.9	-41.25	1.7
	HT/VHT80, M0 to M7, M0.1 to M9.1	2	5	-50.8	-48.7			-41.6	-41.25	0.4
	HT/VHT80, M8 to M15, M0.2 to M9.2	2	5	-50.8	-48.7			-41.6	-41.25	0.4
	HT/VHT80, M0 to M7, M0.1 to M9.1	3	5	-51.5	-51.6	-51.6		-41.8	-41.25	0.5
	HT/VHT80, M8 to M15, M0.2 to M9.2	3	5	-51.5	-51.6	-51.6		-41.8	-41.25	0.5
	HT/VHT80, M16 to M23, M0.3 to M9.3	3	5	-51.5	-51.6	-51.6		-41.8	-41.25	0.5
	HT/VHT80, M0 to M7, M0.1 to M9.1	4	5	-54.0	-53.2	-53.4	-51.9	-42.0	-41.25	0.8
	HT/VHT80, M8 to M15, M0.2 to M9.2	4	5	-54.0	-53.2	-53.4	-51.9	-42.0	-41.25	0.8
	HT/VHT80, M16 to M23, M0.3 to M9.3	4	5	-54.0	-53.2	-53.4	-51.9	-42.0	-41.25	0.8
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	-54.0	-53.2			-42.6	-41.25	1.3
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	-50.8	-48.7			-41.6	-41.25	0.4
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	-56.5	-56.8	-56.7		-42.1	-41.25	0.8
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	-54.0	-53.2	-53.4		-41.9	-41.25	0.7
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	-51.5	-51.6	-51.6		-41.8	-41.25	0.5
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	-59.3	-58.4	-59.3	-57.5	-41.5	-41.25	0.3
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	-56.2	-54.5	-56.4	-55.6	-41.6	-41.25	0.3
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	-54.6	-53.7	-54.6	-54.3	-42.1	-41.25	0.8
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	2	5	-50.8	-48.7			-41.6	-41.25	0.4
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	3	5	-51.5	-51.6	-51.6		-41.8	-41.25	0.5
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	4	5	-54.0	-53.2	-53.4	-51.9	-42.0	-41.25	0.8
5280	Non HT/VHT20, 6 to 54 Mbps	1	5	-46.6				-41.6	-41.25	0.4
	Non HT/VHT20, 6 to 54 Mbps	2	5	-55.9	-56.9			-48.4	-41.25	7.1
	Non HT/VHT20, 6 to 54 Mbps	3	5	-60.0	-59.2	-60.3		-50.0	-41.25	8.8
	Non HT/VHT20, 6 to 54 Mbps	4	5	-62.6	-62.0	-63.2	-61.6	-51.3	-41.25	10.0
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	8	-57.8	-56.8			-46.3	-41.25	5.0
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	10	-61.3	-60.9	-60.7		-46.4	-41.25	5.1
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	11	-62.6	-62.0	-63.2	-61.6	-45.3	-41.25	4.0
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	5	-46.8				-41.8	-41.25	0.5
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	5	-57.2	-56.4			-48.8	-41.25	7.5





	HT/VHT20, M8 to M15, M0.2 to M9.2	2	5	-55.7	-54.3			-46.9	-41.25	5.7
	HT/VHT20, M0 to M7, M0.1 to M9.1	3	5	-60.5	-59.3	-61.1		-50.5	-41.25	9.2
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	5	-57.2	-56.4	-57.7		-47.3	-41.25	6.0
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	5	-57.2	-56.4	-57.7		-47.3	-41.25	6.0
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	5	-63.4	-60.8	-61.3	-62.0	-50.7	-41.25	9.5
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	5	-58.5	-61.4	-58.7	-59.9	-48.5	-41.25	7.2
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	5	-59.4	-59.7	-57.3	-58.4	-47.6	-41.25	6.3
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	-57.9	-58.1			-47.0	-41.25	5.7
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	-55.7	-54.3			-46.9	-41.25	5.7
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	-61.7	-61.2	-61.5		-46.9	-41.25	5.6
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	-59.4	-59.7	-57.3		-47.1	-41.25	5.8
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	-57.2	-56.4	-57.7		-47.3	-41.25	6.0
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	-61.9	-62.7	-62.2	-63.4	-45.5	-41.25	4.2
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	-60.5	-59.3	-61.1	-59.8	-46.1	-41.25	4.9
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	-59.4	-59.7	-57.3	-58.4	-46.4	-41.25	5.1
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	5	-55.7	-54.3			-46.9	-41.25	5.7
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	3	5	-57.2	-56.4	-57.7		-47.3	-41.25	6.0
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	5	-58.5	-61.4	-58.7	-59.9	-48.5	-41.25	7.2
5310	Non HT/VHT40, 6 to 54 Mbps	1	5	-49.2				-44.2	-41.25	3.0
	Non HT/VHT40, 6 to 54 Mbps	2	5	-49.2	-50.0			-41.6	-41.25	0.3
	Non HT/VHT40, 6 to 54 Mbps	3	5	-54.8	-54.4	-54.8		-44.9	-41.25	3.6
	Non HT/VHT40, 6 to 54 Mbps	4	5	-57.2	-57.8	-56.7	-56.3	-45.9	-41.25	4.7
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	5	-48.6				-43.6	-41.25	2.4
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	5	-51.7	-51.3			-43.5	-41.25	2.2
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	5	-51.7	-51.3			-43.5	-41.25	2.2
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	5	-55.6	-54.7	-55.1		-45.3	-41.25	4.1
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	5	-55.1	-53.8	-54.0		-44.5	-41.25	3.2
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	5	-55.1	-53.8	-54.0		-44.5	-41.25	3.2
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	5	-57.8	-58.0	-58.8	-56.4	-46.6	-41.25	5.4
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	5	-55.6	-54.7	-55.1	-53.5	-43.6	-41.25	2.4
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	5	-55.6	-54.7	-55.1	-53.5	-43.6	-41.25	2.4
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	-55.6	-54.7			-44.1	-41.25	2.9
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	-51.7	-51.3			-43.5	-41.25	2.2
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	-59.4	-58.4	-59.0		-44.3	-41.25	3.1
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	-55.7	-55.5	-55.7		-44.1	-41.25	2.8
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	-55.1	-53.8	-54.0		-44.5	-41.25	3.2
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	-60.6	-59.8	-61.1	-60.3	-43.4	-41.25	2.2
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	-57.8	-58.0	-58.8	-56.4	-43.6	-41.25	2.4
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	-55.7	-55.5	-55.7	-55.1	-43.3	-41.25	2.0
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	5	-51.7	-51.3			-43.5	-41.25	2.2



	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	3	5	-55.1	-53.8	-54.0		-44.5	-41.25	3.2
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	5	-55.6	-54.7	-55.1	-53.5	-43.6	-41.25	2.4
5320	Non HT/VHT20, 6 to 54 Mbps	1	5	-46.5				-41.5	-41.25	0.3
	Non HT/VHT20, 6 to 54 Mbps	2	5	-56.2	-55.9			-48.0	-41.25	6.8
	Non HT/VHT20, 6 to 54 Mbps	3	5	-57.6	-58.9	-58.4		-48.5	-41.25	7.2
	Non HT/VHT20, 6 to 54 Mbps	4	5	-60.6	-59.6	-59.8	-60.8	-49.1	-41.25	7.9
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	8	-56.2	-55.9			-45.0	-41.25	3.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	10	-58.7	-58.6	-58.5		-44.0	-41.25	2.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	11	-60.6	-59.6	-59.8	-60.8	-43.1	-41.25	1.9
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	5	-46.7				-41.7	-41.25	0.5
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	5	-54.2	-55.0			-46.6	-41.25	5.3
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	5	-52.2	-54.0			-45.0	-41.25	3.7
	HT/VHT20, M0 to M7, M0.1 to M9.1	3	5	-59.5	-57.9	-58.6		-48.8	-41.25	7.6
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	5	-56.5	-55.2	-55.6		-46.0	-41.25	4.7
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	5	-54.2	-55.0	-56.1		-45.3	-41.25	4.0
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	5	-60.0	-59.6	-61.4	-59.7	-49.1	-41.25	7.8
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	5	-59.5	-57.9	-58.6	-58.0	-47.4	-41.25	6.2
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	5	-56.5	-55.2	-55.6	-55.2	-44.6	-41.25	3.3
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	-56.5	-55.2			-44.8	-41.25	3.5
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	-52.2	-54.0			-45.0	-41.25	3.7
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	-58.6	-58.9	-59.0		-44.3	-41.25	3.0
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	-56.5	-56.8	-57.7		-45.4	-41.25	4.1
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	-54.2	-55.0	-56.1		-45.3	-41.25	4.0
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	-61.3	-60.8	-61.6	-60.7	-44.1	-41.25	2.8
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	-59.4	-58.0	-60.0	-57.8	-44.7	-41.25	3.4
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	-56.5	-56.8	-57.7	-57.4	-44.9	-41.25	3.6
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	5	-52.2	-54.0			-45.0	-41.25	3.7
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	3	5	-56.5	-55.2	-55.6		-46.0	-41.25	4.7
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	5	-59.5	-57.9	-58.6	-58.0	-47.4	-41.25	6.2