Conducted Spurs Average, 5310 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2



RL NE SUQ DC I		SENIE:N	T	ALISN OFF	05:02:08 PM May 20, 2014	the state of the state of the
enter Freq 9.01500000	PNO: Fast ++-	Trig: Free Run	Avs	Type: Log-Pwr	TVPE	Frequency
Ref Offset 13.74 dB	Troance w	Sector Contraction		N	lkr4 5.565 GHz -60.69 dBm	Auto Tune
	0					Center Free 9.015000000 GH
0.0						Start Free 30.000000 MH
60 16 60			~~			Stop Fre 18.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz		Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Ste 1.797000000 GH
	5.310 GHz	-58.23 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
3 N 1 f 1!	0.600 GHz 5.900 GHz 5.565 GHz	-71.17 dBm -70.78 dBm -60.69 dBm				Freq Offse 0 H
6 7 8 9 9 0						
2 2				STATUS		

Antenna B

enter Freq 9.015000000	GHZ PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	05:05:47 PM May 20, 2014 TRACE 2 4 5 TYPE 24:000000000000000000000000000000000000	Frequency
Ref Offset 13.74 dB dB/div Ref 0.00 dBm			MI	kr3 15.900 GHz -70.84 dBm	Auto Tune
	1				Center Free 9.015000000 GH
			↓↓ ∧2		Start Free 30,000000 MH
	~~				Stop Fre 18.00000000 GH
art 30 MHz tes BW 1.0 MHz	#VBW	1.0 kHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
	5.310 GHz	-57.28 dBm	ACTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
N 1 1 1	0.600 GHz 5.900 GHz 5.762 GHz	-71.51 dBm -70.84 dBm -60.72 dBm			Freq Offse 0 H
1			STATUS	1	

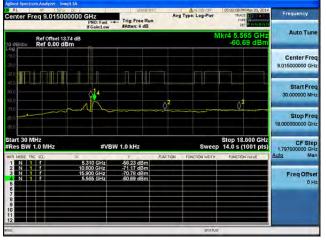
Antenna C

Page No: 301 of 604

alada cisco

Conducted Spurs Average, 5310 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3





Antenna B

enter Freq 9.015000000 (SHZ PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	05:05:47 PM May 20, 2014 TRACE 2 4 5 TYPE 24 5 DET P TROTOTO	Frequency
Ref Offset 13,74 dB			MI	r3 15.900 GHz -70.84 dBm	Auto Tune
	1				Center Freq 9.015000000 GHz
			A2		Start Free 30.000000 MHz
			\$		Stop Free 18.000000000 GH:
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
KR MODE TRC SCL X	310 GHz	Y FL -57.28 dBm	NCTION EUNCTION WIDTH	FUNCTION VALUE	Auto Mar
3 N 1 F 15. 4 N 1 F 5. 6	600 GHz 900 GHz 762 GHz	-71.51 dBm -70.84 dBm -60.72 dBm			Freq Offset 0 Ha
2			STATUS		

Antenna C

Page No: 302 of 604

Conducted Spurs Average, 5310 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1





Antenna A

PNO: Fast -> IFGain:Low	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	TRACE 12 14 5 TYPE WANNAND	Frequency Auto Tune	
Ref Offset 13.74 dB Mkr4 5.691 GHz o dBlaiv Ref 0.00 dBm -51,04 dBm -51,04 dBm					
-11				Center Free 9.015000000 GH	
			A3	Start Free 30.000000 MH:	
~~~~		-Y	¥	Stop Free 18.000000000 GH	
#VBV	V 1.0 kHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH	
5 310 CH+	Y 61.04 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar	
0.600 GHz 5.900 GHz	-71.52 dBm -71.01 dBm -61.04 dBm			Freq Offset 0 Ha	
	PRO: Fast -> PRO:	PID: Fail         Trig Free Run           If Gale         #Atten: 4 dB           #VBW 1.0 kHz         #VBW 1.0 kHz           \$310 DHL         \$10 d dBm           10500 GH2         71 52 dBm           10500 GH2         71 50 dBm	PRO: Law         Trig: Free Run           Flainct.cov         Retarc. 4 dB           #WBW 1.0 kHz         N           #VBW 1.0 kHz         Sweep           5310 GH4         618 dBm           5300 GH2         716 dBm           10500 GH2         716 dBm	PRO: Law +=         Trg: Free Run Rater. 4 dB         Trg: Free Run Rater. 4 dB           Mkr4 5,691 GHz -51,04 dBm         -51,04 dBm           #WBW 1.0 kHz         Stop 18,000 GHz Sweep 14.0 s (1001 pts)           5300 GHz -736 dBm         -716 dBm	

Antenna C





Antenna D

Page No: 303 of 604

### Conducted Spurs Average, 5310 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2



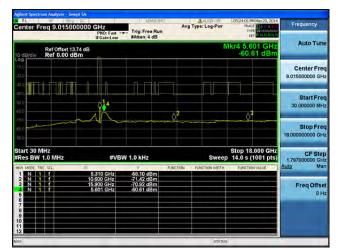


Antenna A

AL 80 500 00 Center Freq 9.015000000	GHz PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	05:20:22 PM May 20, 2014 TRACE 2 4 5 TYPE 001 P 12 014 5 DET P 12 014 01	Frequency
Ref Offset 13.74 dB 0 dB/div Ref 0.00 dBm	Auto Tune				
000 100 200					Center Fred 9.015000000 GH:
	 Q ¹ 4				Start Free 30.000000 MHz
			\$ ²	\$	Stop Free 18.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBW	1.0 kHz	Sweet	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
MKR MODE TRC SCL X	310 GHz	.y P	INCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
2 N 1 f 10 3 N 1 f 15	600 GHz 900 GHz 565 GHz	-71.40 dBm -70.94 dBm -60.92 dBm			Freq Offset 0 Hz
8 9 10					

Antenna C





Antenna D

Page No: 304 of 604

#### Conducted Spurs Average, 5310 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3



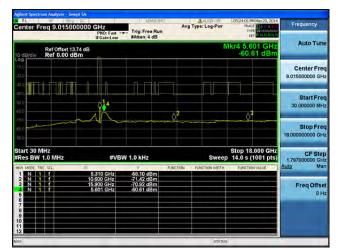




AL 8 580 00 Center Freq 9.015000000	GHZ PNO: Fast - IFGain:Low	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	05:20:22 PM May 20, 2014 TRACE 214 E TYPE 041411	Frequency
Ref Offset 13.74 dB 0 dB/div Ref 0.00 dBm	0		N	/kr4 5.565 GHz -60.92 dBm	Auto Tune
10.0 21.0					Center Fre 9.015000000 GH
800 400 500					Start Fre 30.000000 MH
70.0 in o 91.0	Mr.			3	Stop Fre 18.00000000 GH
Start 30 MHz Res BW 1.0 MHz	#VB	N 1.0 kHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Ste 1.797000000 GH
MKR MODE TRC SCL X	310 GHz	-58,49 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
3 N 1 1 15	600 GHz 900 GHz 565 GHz	-71.40 dBm -70.94 dBm -60.92 dBm			Freq Offse
7 8 9 10					
12					

Antenna C





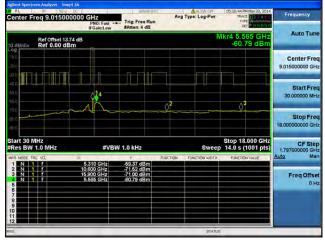
Antenna D

Page No: 305 of 604



# Conducted Spurs Average, 5310 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1



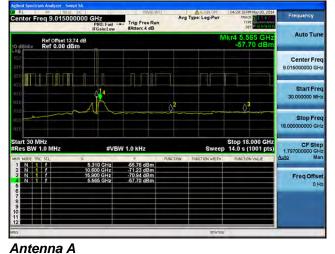


Antenna B

Page No: 306 of 604



# Conducted Spurs Average, 5310 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2



enter Freq 9.015000000	GHZ PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	04:32:56 PM May 20, 2014 TRACE	Frequency
Ref Offset 13.74 dB			N	kr4 5,565 GHz -60.55 dBm	Auto Tune
	n				Center Freq 9.015000000 GHz
			2	03	Start Free 30,000000 MH
	~ ~				Stop Free 18.00000000 GH
art 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
2 N 1 F 10 3 N 1 F 15	5.310 GHz 0.600 GHz 900 GHz 5.565 GHz	Y PL -56.40 dBm -71.05 dBm -70.98 dBm -60.55 dBm	ECTION FUNCTION WIDTH .	FUNCTION VALUE	Auto Mer Freq Offse 0 H;

Antenna B

Page No: 307 of 604

# Conducted Spurs Average, 5310 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1



enter Freq 9.015000000	GHZ PNO: Fast	Trig: Free Run #Atten: 4 dB	Av	g Type: Log-Pwr	06:15:10 PM May 20, 2014 TRACE 12 4 TYPE W	Frequency
Ref Offset 13.74 dB	-			MI	r3 15,900 GHz -71.06 dBm	Auto Tune
						Center Freq 9.015000000 GHz
	A ¹ Q ⁴					Start Free 30,000000 MH:
			Y			Stop Free 18.000000000 GH:
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz		Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH:
OR MODE THE SOL	5.310 GHz	Y -63.04 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
2 N 1 F 10 3 N 1 F 19 4 N 1 F 5	0.600 GHz 5.900 GHz 5.798 GHz	-71.31 dBm -71.06 dBm -63.68 dBm				Freq Offset 0 Ha
6 7 8 9 9 0						
5			_	STATUS		-

Antenna A

enter Freq 9.01500000		Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	06:18:49 PM May 20, 2014 TRACE 2 4 5 TYPE 001 P N C N C 1	Frequency
Ref Offset 13.74 dB Mkr3 15.900 GHz dB/div Ref 0.00 dBm -70.99 dBm					
					Center Fred 9.015000000 GH:
					Start Free 30.000000 MH
					Stop Fre 18.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBV	/ 1.0 kHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
RI MODE, TRC SCL. X	5.310 GHz 10.600 GHz	7 FU -62.24 dBm -71.47 dBm	EUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
	15.900 GHz 5.762 GHz	-70.99 dBm -63.48 dBm			Freq Offse 0 H

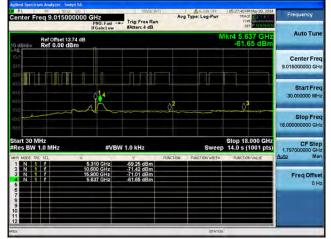
Antenna C

Antenna B

Page No: 308 of 604



# Conducted Spurs Average, 5310 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2





Antenna A

AL 85 500 00 1 enter Freq 9.015000000	GHZ PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	05:34:59 PM May 20, 2014 TRACE 214 F TYPE 001 PT 01:00	Frequency
Ref Offset 13.74 dB dB/div Ref 0.00 dBm			1	/kr4 5.619 GHz -60.90 dBm	Auto Tune
	n				Center Fred 9.015000000 GH:
				↓	Start Free 30.000000 MH:
				¥	Stop Free 18.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz	Swee	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
	.310 GHz	-59.18 dBm	EUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
3 N 1 7 15 N 1 7 5 5	600 GHz 900 GHz 619 GHz	-71.50 dBm -70.93 dBm -60.90 dBm			Freq Offse 0 H
7 8 9 9 9 0 1					
			STADL	1	-

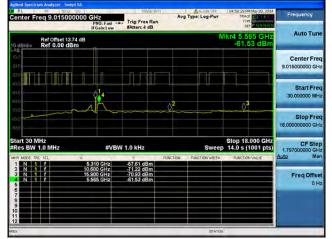
Antenna C

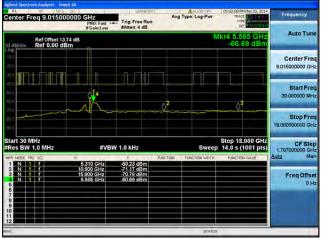
Antenna B

Page No: 309 of 604



### Conducted Spurs Average, 5310 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3





Antenna A

AL 88 500 DC enter Freq 9.015000000 (	CH2 PNO: Fast	Trig: Free Run #Atten: 4 dB	Avş	ALIGHOW Type: Log-Pwr	05:05:47 PM TRACE TYPE DIT		Frequency
dB/div Ref 0.00 dBm				MI	(r3 15.90 -70.84	0 GHz 4 dBm	Auto Tune
	-11						Center Fred 9.015000000 GH:
			 ^2		3		Start Free 30.000000 MH
			Y				Stop Free 18.000000000 GH
art 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz		Sweep	Stop 18.0 14.0 s (10	001 pts)	CF Step 1.797000000 GH
A MODE TRC SCL X	310 GHz	-57.28 dBm -71.51 dBm	FUNCTION	EUNCTION WIDTH	FUNCTION	VALUE	Auto Mar
3 N 1 f 15	900 GHz 762 GHz	-70.84 dBm -60.72 dBm					Freq Offse 0 H
			_	STATUS			

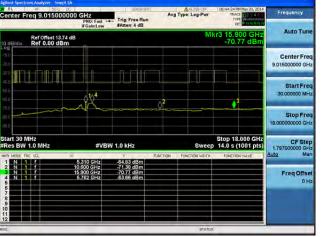
Antenna C

Antenna B

Page No: 310 of 604

# Conducted Spurs Average, 5310 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1







Center		9.01500			Fast			A	vg Type: L	og-Pwr	TRA	PM May 20, 2014 ACE 20, 2014 AVE 20, 2014	Frequency
0 dB/div	Ref Offset 13.74 dB Mkr3 15.900 GH; Ref 0.00 dBm -70.87 dBn -70.87 dBn											900 GHz .87 dBm	Auto Tur
10.0													Center Free 9.015000000 GH:
20.0 20.0 50.0				 \$\\$	4			 ^2				3	Start Free 30.000000 MH
70.0 60.0 60.0	<b>L</b>			Αſ	~			¥~		~~~			Stop Free 18.00000000 GH
Start 30 #Res B		MHz			#VBW	1.0 kHz				Sweep		8.000 GHz (1001 pts)	CF Ste 1.797000000 GH
MKR MODE	TRC SC		8	5.310 G		-63.98 d		UNCTION	FUNCT	ON WIDTH :	FUNCTI	ON VALUE	Auto Mar
			10	5 600 G 5 900 G 5 762 G	Hz Hz	-71.31 d -70.87 d -63.45 d	Bm Bm						Freq Offse 0 H
7 8 9 10													
										STATUS	1		

Antenna C



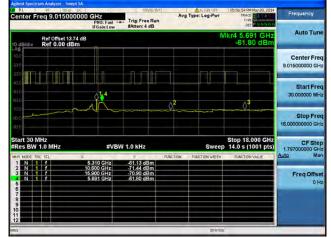
Center Freq 9.015000000	PNO: Fast T	rig: Free Run Atten: 4 dB	Avg Type: Log-Pwr	06:51:41 PM May 20, 2014 TRACE 2 4 TYPE VIEW	Frequency
Ref Offset 13.74 dB	Auto Tun				
					Center Free 9.015000000 GH
	 ¢≵⁴		2		Start Free 30,000000 MH
		У			Stop Free 18.00000000 GH
Start 30 MHz Res BW 1.0 MHz KR MODE TRC SCL	#VBW 1.	O KHZ	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH Auto Mar
2 N 1 F 10 3 N 1 F 11 4 N 1 F 15 5	0.600 GHz -7 5.900 GHz -7	3.69 dBm 1.36 dBm 1.08 dBm 3.40 dBm			Freq Offse 0 H
7 8 9 10					

Antenna D

Page No: 311 of 604



# Conducted Spurs Average, 5310 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2



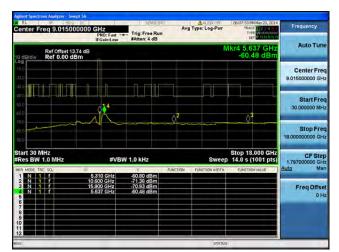


Antenna A

PNO: Fast -> IFGain:Low	#Atten: 4 dB	Avg Type: Log-Pwr	TRACE 2 145	Frequency
		٢	/kr4 5.691 GHz -61.04 dBm	Auto Tune
				Center Freq 9.015000000 GHz
		^2		Start Free 30.000000 MHs
		9r	¥	Stop Fred 18.000000000 GH:
#VBV	V 1.0 KHz	Sweet	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step
240 CHF		UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Man
0.600 GHz 5.900 GHz	-71.52 dBm -71.01 dBm -61.04 dBm			Freq Offset 0 Hz
	#VBV 5.310 GHz 5.900 GHz 5.900 GHz 5.900 GHz 5.900 GHz	5 310 GHz -61 04 dBm 0 600 GHz -71 52 dBm 5 900 GHz -71 01 dBm	4	#VEW 1.0 KHz         Stop 18.000 GHz           #VEW 1.0 KHz         Sweep 14.0 s (1001 pts)           500 GHz         71 52 68m           500 GHz         71 52 68m

Antenna C





Antenna D

Page No: 312 of 604



Freque

Auto Tu

Center Fr 9.015000000 GI

Start Fr

Stop Fre

CF Step

18 000

1.7970

Stop 18.000 GHz 14.0 s (1001 pts

30.000000 M

# Conducted Spurs Average, 5310 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3

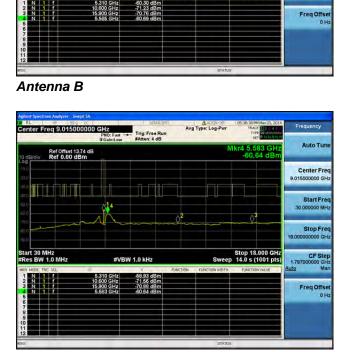






Frequency	DS:34:59 PM May 20, 2014 TRACE 2 4 TYPE CONTRACT	Type: Log-Pwr	Av	Trig: Free Run #Atten: 4 dB	SH2 PNO: Fast	000000	q 9.01500				
Auto Tun	Ref 0.00 dBm60.90 dBm60.90 dBm										
Center Fre									10.0		
Start Fre	l								80.0 40.0 40.0 50.0 60.0		
Stop Fre	Y					~~~		<u>سې ،</u>	70.0 60.0 = 60.0		
CF Ste	Stop 18.000 GHz 14.0 s (1001 pts)	Sweep		1.0 kHz	#VBV		iz .0 MHz	30 M BW 1			
Ma	FUNCTION VALUE	FUNCTION WIDTH	FUNCTION	-59.18 dBm	310 GHz	× 5	SCL	DE TRO	I B		
Freq Offse				-71.50 dBm -70.93 dBm -60.90 dBm	600 GHz 900 GHz 619 GHz	10. 15.	t t t	1	23466		
									7 8 9 10 11		
		STARS		-71.50 dBm -70.93 dBm	600 GHz 900 GHz	10. 15.	1	1	234667890		

Antenna C



Avg Type: Log-Pw

Trig: Free Run

N 1.0 kHz

Antenna D

r Freq 9.015000000 GHz

Ref Offset 13.74 dB Ref 0.00 dBm

Page No: 313 of 604

# Conducted Spurs Average, 5310 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1





Antenna B

Page No: 314 of 604

### Conducted Spurs Average, 5310 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1



enter Freq 9.015000000	GHZ PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	05:02:08 PM May 20, 2014 TRACE 2 4 TV/FE V	Frequency Auto Tune					
Ref Offset 13.74 dB Mkr4 5,565 GHz 0 dB/d/w Ref 0.00 dBm -60.69 dBm										
		DOIC			Center Fred 9.015000000 GH:					
00			↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓		Start Free 30,000000 MH:					
800			Y		Stop Fred 18.00000000 GH:					
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH:					
KRI MODIE TRE SCL X	310 GHz	Y FU	NCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar					
3 N 1 F 15 4 N 1 F 5	600 GHz 900 GHz 565 GHz	-71.17 dBm -70.78 dBm -60.69 dBm			Freq Offset 0 Ha					
6 7 8 9 0 1										
a			STATUS		-					

Antenna B

anter Freq 9.015000000	GHz PNO: Fast -	Trig: Free Run #Atten: 4 dB		ALIGHON Type: Log-Pwr	05:05:47 PM May 20, 2014 TRACE 2 4 F TYPE WARMAN	Frequency
Ref Offset 13.74 dB dB/div Ref 0.00 dBm	Auto Tune					
99 20 10 00 <b>001</b> 4 10 10 10 10						Center Freq 9.015000000 GHz
	. 12 ⁴					Start Freq 30.000000 MHz
						Stop Freq 18.00000000 GHz
tart 30 MHz Res BW 1.0 MHz	#VBV	N 1.0 KHz		Sweep		CF Step 1.797000000 GHz
2 N 1 f 10 N 1 f 15	5 310 GHz 5 600 GHz 5 900 GHz 5 762 GHz	57 28 dBm -71 51 dBm -70.84 dBm -60.72 dBm	FUNCTION	EUNCTION WIDTH	FUNCTION VALUE	Auto Man Freq Offset 0 Hz

Antenna C

Page No: 315 of 604

# Conducted Spurs Average, 5310 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1



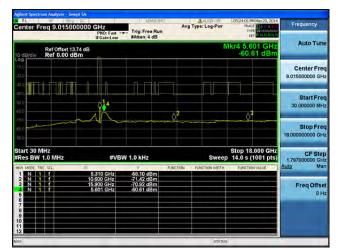




Center	Freq	9.01500		GHZ PNO: Fast IFGain:Low			A	g Type: Log-Pwr	TRACE	May 20, 2014	Frequency Auto Tune
0 dB/div	Ref Offset 13.74 dB Mkr4 5.565 GH dB/dily Ref 0.00 dBm -60.92 dB										
10.0 20.0 20.0			1	1		- in					Center Fred 9.015000000 GH:
41.0 51.0							 2		03		Start Free 30.000000 MHz
70-0 60.0 90.0	-	~~~							V		Stop Free 18.00000000 GH:
Start 30 #Res BV		MHz		#VI	BW 1.0 KH:	z		Sweep	Stop 18. 14.0 s (1		CF Step 1.797000000 GH:
MKR MODE	TRC SC	4	8	310 GHz	-58.49		FUNCTION	EUNCTION WIDTH	FUNCTION	VALUE	Auto Man
			10 15	600 GHz 900 GHz 565 GHz	-71.40 -70.94 -60.92	dBm dBm					Freq Offset 0 Hz
7 8 9 10											
11 12								STATU			

Antenna C





Antenna D

Page No: 316 of 604



#### Conducted Spurs Average, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps

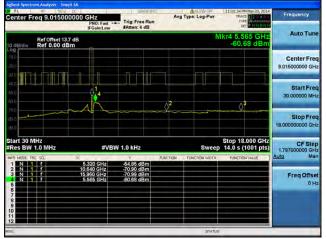


Antenna A

Page No: 317 of 604

# Conducted Spurs Average, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps





Antenna B

Page No: 318 of 604

# Conducted Spurs Average, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps



Center Freq 9.015000000	PNO: Fast ++	Trig: Free	Run		Log-Pwr	11:45:19 PM May 20, 2014	Frequency
Ref Offset 13.7 dB Ref 0.00 dBm	IFGain:Low	#Atten: 4 d	B		N	lkr4 5,565 GHz -63.57 dBm	Auto Tune
							Center Fred 9.015000000 GH:
200				2		03	Start Free 30.000000 MH
no. 11. a			V				Stop Free 18.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz			Sweep		CF Step 1.797000000 GH Auto Ma
2 N 1 7 10 3 N 1 7 15	5.320 GHz 0.640 GHz 5.960 GHz 5.565 GHz	-57.76 dB -71.17 dB -70.98 dB -63.57 dB	m m		CTION WIDTH	FUNCTION VALUE	Freq Offse 0 H
8 9 1 2							

Antenna B

anter Freq 9.015000000	GHz PNO: Fast	Trig: Free Run	Avg Type: Log-Pwr	11:48:58 PM May 20, 2014 TRACE 2 4 5 TYPE	Frequency
Ref Offset 13.7 dB	Auto Tune				
	n				Center Free 9.015000000 GH:
			↓↓ ∧2		Start Free 30,000000 MH:
			V		Stop Free 18.00000000 GH
art 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz	Swee	Stop 18.000 GHz p 14.0 s (1001 pts)	CF Step 1.797000000 GH
2 N 1 F 10 3 N 1 F 15 N 1 F 5	5 320 GHz 5 640 GHz 5 60 GHz 5 619 GHz	7 Bi 56.97 dBm -71.27 dBm -70.86 dBm -61.03 dBm	NETION EUNCTION WIDTH	FUNCTION VALUE	Auto Mar Freq Offse 0 H:
			STAR	s	

Antenna C

Page No: 319 of 604

# Conducted Spurs Average, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps



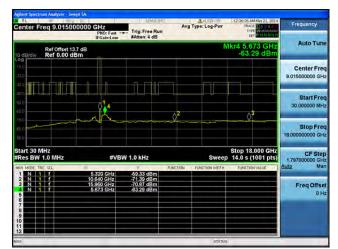


Antenna A

RL 87 500 00 Center Freq 9.015000000	GHZ PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	12:32:49 AM May 21, 2014 TRACE 2 4 F Type Womenen	Frequency
Ref Offset 13.7 dB	kr3 15.960 GHz -70.72 dBm	Auto Tun			
100 210 210	n				Center Free 9.015000000 GH
419 41	₽ ¹ 2 ⁴		 ∧2	3	Start Free 30.000000 MH
70.0 én o 60.0					Stop Free 18.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBV	N 1.0 kHz	Sweep		CF Step 1.797000000 GH Auto Mar
	320 GHz	-60.29 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Page Man
3 N 1 1 15	640 GHz 960 GHz 744 GHz	-71.32 dBm -70.72 dBm -63.64 dBm			Freq Offse 0 H
8 9 10 11 12					

Antenna C





Antenna D

Page No: 320 of 604

# ahaha cisco

# Conducted Spurs Average, 5320 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps





Antenna A

Antenna B

Page No: 321 of 604

# Conducted Spurs Average, 5320 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps



Center Freq 9.015000000		Trig: Free Ri #Atten: 4 dB	Avg	Type: Log-Pwr	11:59:55 PM May 20, 2014 TRACE 12 4 TV9E DET P HUNDER	Frequency
Ref Offset 13.7 dB	Auto Tune					
						Center Freq 9.015000000 GHz
40.6						Start Freq 30,000000 MHz
70.0 an.e					V	Stop Fred 18.00000000 GHz
start 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz		Sweep		1.797000000 GHz
2 N 1 F 10. 3 N 1 F 16. 4 N 1 F 5. 5 F 7 8 9 10	320 GHz 640 GHz 960 GHz 547 GHz	59.72 dBm -71 18 dBm -71 03 dBm -71 03 dBm		FUNCTION WIDTH	FUNCTION VALUE	Auto Man Freq Offset 0 Hz
2 <b>2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 </b>				STATUS		-

Antenna B

Frequency	12:03:34 AM May 21, 2014 TRACE 2 4 5 TYPE 001011	Type: Log-Pwr	Avg	e Run	Trig: Fre	PNO: Fast	0000	9.015000	
Auto Tune	r3 15.960 GHz -70.86 dBm	MI						f Offset 13.7 f 0.00 dBr	
Center Free 9.015000000 GH									
Start Free 30.000000 MH			 			Q ¹ ₀4			
Stop Fred 18.00000000 GH:			Q-						
CF Step 1.797000000 GH:	Stop 18.000 GHz 14.0 s (1001 pts)	Sweep			1.0 kHz	#VBW			30 MHz BW 1.0
Auto Mar Freq Offset 0 Ha	FUNCTION VALUE	EUNCTION WIDTH	UNCTION	Bm Bm Bm	57.90 d -71.29 d -70.86 d -63.50 d	320 GHz 640 GHz 960 GHz 780 GHz	10.0		DDE TRC SI N 1 1 N 1 1 N 1 1
		STATUS							

Antenna C

Page No: 322 of 604

## Conducted Spurs Average, 5320 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps





Antenna A

Center Freq 9.015000000	GHz PNO: Fast - IFGain:Low	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	12:32:49 AM May 21, 2014 TRACE 24 F Type Watcher	Frequency Auto Tune					
Ref Offset 13.7 dB Mkr3 15.960 GHz o dBidly Ref 0.00 dBm -70.72 dBm -70.72 dBm										
10 0					Center Free 9.015000000 GH					
810 410 810	0 ¹ 4			3	Start Free 30.000000 MH					
ma én o 40.0					Stop Free 18.000000000 GH					
Start 30 MHz #Res BW 1.0 MHz	#VB	N 1.0 KHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH					
MKR MODE TRC SCL. X	5.320 GHz	-60.29 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar					
2 N 1 F 11 3 N 1 F 11 4 N 1 F	0.640 GHz 5.960 GHz 5.744 GHz	-71.32 dBm -70.72 dBm -63.64 dBm			Freq Offse 0 H					
7 8 9 10 11 12										

Antenna C





Antenna D

Page No: 323 of 604



#### Conducted Spurs Average, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1

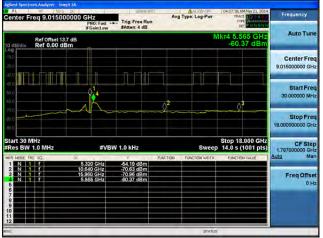


Antenna A

Page No: 324 of 604

# Conducted Spurs Average, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1



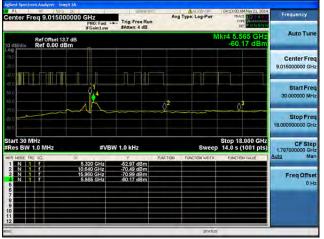


Antenna B

Page No: 325 of 604

### Conducted Spurs Average, 5320 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2





Antenna B

Page No: 326 of 604

This document is uncontrolled. Please refer to the electronic copy within EDCS for the most up to date version. Cisco Systems, Inc. Company Confidential

Antenna A

# Conducted Spurs Average, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1



Center Freq 9.015000000	CHZ PNO: Fast ++			Avg Ty	ALISN OF	05:26:30 AM May 21, 2014 TRACE 9 2 4 TYPE W	Frequency
Ref Offset 13.7 dB					N	kr4 5.565 GHz -63.55 dBm	Auto Tune
							Center Fred 9.015000000 GH:
0.6				2		L	Start Fred 30.000000 MH:
800	~~ ~		)				Stop Free 18.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz			Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH Auto Mar
2 N 1 f 10 3 N 1 f 15	320 GHz 640 GHz 960 GHz 565 GHz	Y -57.76 dB -71.43 dB -70.91 dB -63 55 dB	m m	CTION FI	UNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 Hi

Antenna B

enter Freq 9.015000000	GHZ PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Type: I	Log-Pwr	105:30:10 AM May 21, 2014 TRACE 24 TYPE DOT PTCONCOL	Frequency Auto Tune				
Ref 0.60 dBm -71,09 dBm -71,09 dBm										
	1					Center Free 9.015000000 GH:				
			 ∧²		3	Start Free 30.000000 MHz				
			-¥			Stop Free 18.000000000 GH				
art 30 MHz Res BW 1.0 MHz	#VBV	V 1.0 kHz		Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH				
	320 GHz	-57.53 dBm -71.24 dBm	FUNCTION FUNCT	ION WIDTH	FUNCTION VALUE	Auto Mar				
N 1 1 15 N 1 7 5 6 7	960 GHz 798 GHz	-71.09 dBm -63.48 dBm				Freq Offse 0 H				

Antenna C

Page No: 327 of 604

### Conducted Spurs Average, 5320 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2



enter Freq 9.015000000	GHZ PNO: Fast ++	Trig: Free Run	Avs	Type: Log-Pwr	04:42:16 AM May 21, 2014 TRACE 2 2 4 TVPE DET P NUMBER	Frequency			
Ref Offiset 13.7 dB Mkr4 5.565 GHz - 861 div Ref 0.00 dBm - 60.57 dBm									
						Center Fred 9.015000000 GHz			
0.6			2		03	Start Free 30,000000 MHz			
non			~~~~			Stop Free 18.00000000 GH:			
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz		Sweep		CF Step 1.797000000 GH:			
2 N 1 F 10 3 N 1 F 15	.320 GHz .640 GHz .960 GHz .565 GHz	7 -55.03 dBm -70.90 dBm -70.97 dBm -60.57 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Mar Freq Offset 0 Ha			
				STATUS		-			

Antenna B

enter Freq 9.015000000 C	PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Type:	Log-Pwr	D4:45:56 AM May 21, 2014 TRACE TYPE D4T D1:001001	Frequency
Ref Offset 13.7 dB				N	lkr4 5.565 GHz -60.54 dBm	Auto Tune
				-16		Center Fred 9.015000000 GH:
	¢14		A2			Start Free 30.000000 MH:
			¥			Stop Free 18.00000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz		Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
	320 GHz	-54.92 dBm	INCTION FUNC	TION WIDTH	FUNCTION VALUE	Auto Mar
3 N 1 F 15. 4 N 1 F 5. 6	540 GHz 960 GHz 565 GHz	-71.27 dBm -70.96 dBm -60.54 dBm				Freq Offse 0 H
7 8 9 0 1						
					-	

Antenna C

Page No: 328 of 604

# alada cisco

# Conducted Spurs Average, 5320 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3





Antenna B

Antenna A	
-----------	--

enter Freq 9.015000000	GHz PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Ty	pe: Log-Pwr	D4:45:56 AM May 21, 2014 TRACE 22, 4 F TYPE CANADA	Frequency
Ref Offset 13.7 dB dB/div Ref 0.00 dBm				N	lkr4 5.565 GHz -60.54 dBm	Auto Tune
99 00 00 00	11					Center Fred 9.015000000 GH:
			 2			Start Free 30,000000 MH:
			¥		V	Stop Free 18.000000000 GH
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz		Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
KR MODE TRC SCL X	320 GHz	-54.92 dBm	UNCTION F	UNCTION WIDTH :	FUNCTION VALUE	Auto Mar
2 N 1 f 10 3 N 1 f 15		-71.27 dBm -70.96 dBm -60.54 dBm				Freq Offse 0 H

Antenna C

Page No: 329 of 604

## Conducted Spurs Average, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1







		9.015000	0000 G				Av	g Type: Log-Pwr	TRA	UM May 21, 2014 CE 12 34 5 PE 00 10 0000	Frequency
0 dB/div											Auto Tune
ιο ο άτο						8					Center Free 9.015000000 GH:
20 0 47 0 50 0				0 ¹ 04			A2			3	Start Free 30,000000 MH:
70.0 30.0 33.0			~~~				¥~				Stop Free 18.000000000 GH
tart 30 Res BW		MHz		#VE	W 1.0 KHz			Swee		3.000 GHz (1001 pts)	CF Step 1.797000000 GH
KR MODE	RC SCI	6	8		-59.40		FUNCTION	FUNCTION WIDTH	FUNCTION	ON VALUE	Auto Mar
2 N 3 N 4 N			10.6 15.9	20 GHz 40 GHz 50 GHz 98 GHz	-71.37 -70.94 -63.71	iBm IBm					Freq Offse 0 H
6 7 8 9											

Antenna C



Center Freq 9.01500000	PNO: Fast Tr	ig: Free Run tten: 4 dB	Avg Type: Log-Pwr	06:03:08 AM May 21, 2014 TRACE 2 4 5 TYPE WARDON	Frequency
Ref Offset 13.7 dB			N	lkr4 5.673 GHz -63.16 dBm	Auto Tune
					Center Fred 9.015000000 GHz
ero 900	 2 ¹ ₄		,		Start Free 30,000000 MHz
		V			Stop Free 18.00000000 GH:
Start 30 MHz Res BW 1.0 MHz	#VBW 1.0	KHZ Y FUNCT	Sweep	Stop 18,000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH: Auto Mar
1 N 1 f 2 N 1 f 3 N 1 f	5.320 GHz -56 0.640 GHz -7 5.960 GHz -70	391 dBm 130 dBm 0.81 dBm 3.16 dBm			Freq Offsel 0 Hz
9 10					

Antenna D

Page No: 330 of 604

### Conducted Spurs Average, 5320 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2







Center Freq 9.0150000		Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	DS:15:14 AM May 21, 2014 TRACE 2 4 F TYPE WOMAN	Frequency
Ref Offset 13.7 d 0 dB/div Ref 0.00 dBm	B		Ν	/kr4 5.565 GHz -61.09 dBm	Auto Tune
100 210 210	-T1				Center Free 9.015000000 GH:
410			U	L	Start Free 30,000000 MH:
ma eno eno					Stop Free 18.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VB	N 1.0 KHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
MKR MODE TRC SCL	× 5.320 GHz	7 -56.91 dBm	FUNCTION EUNCTION WIDTH	FUNCTION VALUE	Auto Mar
2 N 1 F 3 N 1 F 4 N 1 F 6	10.640 GHz 15.960 GHz 5.565 GHz	-71.26 dBm -71.10 dBm -61.09 dBm			Freq Offse 0 H
8 9 10 11					
			STATUS		

Antenna C





Antenna D

Page No: 331 of 604

#### Conducted Spurs Average, 5320 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3







AL 87 500 00 Center Freq 9.01500000			Avg Type: Log-Pwr	05:00:36 AM May 21, 2014 TRACE 2 4 E Type Watcher	Frequency
Ref Offset 13.7 dE 0 dB/div Ref 0.00 dBm			N	1kr4 5.637 GHz -60.94 dBm	Auto Tune
100					Center Free 9.015000000 GH
80 0 60 0 60 0					Start Free 30.000000 MH
	~~~~		×	V	Stop Free 18.00000000 GH
Start 30 MHz Res BW 1.0 MHz	#VBV	V 1.0 kHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
KR MODE TRC SCL 3	5.320 GHz	-55.76 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
2 N 1 F 3 N 1 F 4 N 1 F 6	10.640 GHz 15.960 GHz 5.637 GHz	-71 24 dBm -70 90 dBm -60 94 dBm			Freq Offse 0 H
7 8 9 10					
50			STATU		

Antenna C





Antenna D

Page No: 332 of 604



Conducted Spurs Average, 5320 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1



enter Freq 9.015000000	GHZ PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg	Type: Log-Pwr	04:42:16 AM May 21, 2014 TRACE 2 4 TVPE 000000000000000000000000000000000000	Frequency
Ref Offset 13.7 dB				M	kr4 5.565 GHz -60.57 dBm	Auto Tune
						Center Fred 9.015000000 GHz
			0 ²		03	Start Free 30,000000 MH:
						Stop Fred 18.00000000 GH:
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz		Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH:
2 N 1 f 10 3 N 1 f 15	5.320 GHz 0.640 GHz 950 GHz 5.565 GHz	-70.80 dBm -70.80 dBm -70.97 dBm -60.57 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Mar Freq Offset 0 Ha

Antenna B

Page No: 333 of 604



Conducted Spurs Average, 5320 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2



enter Freq 9.01500000	PNO: East ++++	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	04:13:00 AM May 21, 2014 TRACE 12 4 TVPE DET P M 110010	Frequency
Ref Offset 13.7 dB			٨	/kr4 5.565 GHz -60.17 dBm	Auto Tune
					Center Fred 9.015000000 GH:
			2		Start Free 30,000000 MH:
6.0 1.6 1.6				V	Stop Free 18.00000000 GH
art 30 MHz Res BW 1.0 MHz	#VBW 1		Sweep		CF Step 1.797000000 GH Auto Ma
2 N 1 F 1 3 N 1 F 1 4 N 1 F 6 6 7	0.640 GHz 5.960 GHz	Y FLAC 52.97 dBm -70.49 dBm -70.99 dBm -60.17 dBm	FUNCTION WEITH	FUNCTION VALUE	Freq Offse 0 H

Antenna B

Page No: 334 of 604

Conducted Spurs Average, 5320 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1



enter Freq 9.015000000	GHZ PNO: Fast			Avg Type	Log-Pwr	05:41:08 AM May 21, 2014 TRACE 12 4 TVPE 001 PMULTINE	Frequency
Ref Offset 13.7 dB	-6-				N	kr4 5,565 GHz -63.71 dBm	Auto Tune
							Center Freq 9.015000000 GHz
				2			Start Free 30,000000 MH:
0.0 L G L G			X				Stop Fred 18.00000000 GHz
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz			Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	
AR MODE THE SOL	320 GHz	Y -58.68 dB	FUNCT	ION FUN	CTION WETH	FUNCTION VALUE	Auto Mar
2 N 1 F 10 3 N 1 F 15	640 GHz 960 GHz 565 GHz	-71.37 dB -70.93 dB -63.71 dB	m				Freq Offse 0 H:
					STATUS		

Antenna A

enter Freq 9.0		st Trig: Free Run #Atten: 4 dB	Avg Type: I	Log-Pwr	05:44:48 AM May 2 TRACE 12 TYPE DET	Frequency
Ref Offs 0 dB/div Ref 0.0	et 13.7 dB 00 dBm			MI	r3 15.960 0 -70.92 d	
00 00 00 00						Center Free 9.015000000 GH:
aq al-14-14 ao ao					3	Start Free 30.000000 MH:
10.0	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				Stop Free 18.000000000 GH
tart 30 MHz Res BW 1.0 MHz	: #	VBW 1.0 kHz		Sweep	Stop 18.000 14.0 s (1001	pts) 1.797000000 GH
KR MODE TRC SCL	5.320 GH: 10.640 GHz		FUNCTION FUNCT	ION WIDTH :	FUNCTION VALUE	Auto Mar
2 N 1 7 4 N 1 7 5	15.960 GH2 5.780 GH2	-70.92 dBm				Freq Offse 0 H
7						
				STATUS		

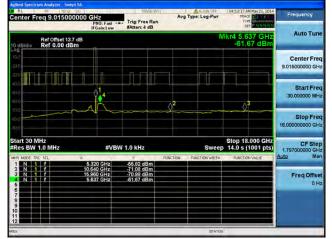
Antenna C

Antenna B

Page No: 335 of 604



Conducted Spurs Average, 5320 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2



RL 199 00 00 enter Freq 9.015000000	GHz PNO: Fast	a voie de			e: Log-Pwr	04:56:56 AM May 21, 20 TRACE 12 14 TVPE 001 010	Frequency
Ref Offset 13.7 dB	- 6				N	1kr4 5,565 GH -60,80 dBr	
	0						Center Fred 9.015000000 GH:
				2			Start Free 30,000000 MH
0 0						V	Stop Free 18.00000000 GH
art 30 MHz tes BW 1.0 MHz	#VBW	1.0 kHz			Sweep	Stop 18.000 GH 14.0 s (1001 pts	1.797000000 GH
N 1 F 1 N 1 F 1 N 1 F	5 320 GHz 0.640 GHz 5 960 GHz 5 565 GHz	¥ -55.97 dB -71.25 dB -71.05 dB -60.80 dB	m	FION FUI	NCTION WIDTH	FUNCTION VALUE	Auto Mar Freq Offse 0 H;
					STATUS		

Antenna A

anter Fred	9.01500000		. INSE INT	Avg Type: Log-Pwr	05:00:36 AM May 21, 2014 TRACE	Frequency
enter Freq	5.01500000	PNO: Fast -	#Atten: 4 dB		DET P N.G.N.(1)	
0 dB/div R	ef Offset 13.7 dB ef 0.00 dBm	3		N	/kr4 5.637 GHz -60.94 dBm	Auto Tune
00 100 210 210		I) II				Center Free 9.015000000 GH
ато 200						Start Fre 30.000000 MH
70.0 10.0 91.0		AL		2 ²	QT	Stop Fre 18.000000000 GH
start 30 MHz Res BW 1.0		#VBV	V 1.0 kHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	1.797000000 GH
Res BW 1.0	MHz a x	_	.γ B	Sweet INCTION FUNCTION WIDTH	Stop 18.000 GHz 14.0 s (1001 pts) FUNCTION VALUE	CF Ste 1.797000000 GH Auto Ma
Res BW 1.0 KR MODE TRC SO 1 N 1 7 2 N 1 7 3 N 1 7 4 N 1 7	MHz a s	:			o 14.0 s (1001 pts)	1.797000000 GH
Res BW 1.0	MHz a s	5.320 GHz 10.640 GHz 15.960 GHz	7 8 -55.76 dBm -71.24 dBm -70.90 dBm		o 14.0 s (1001 pts)	1.797000000 GH Auto Ma Freq Offse

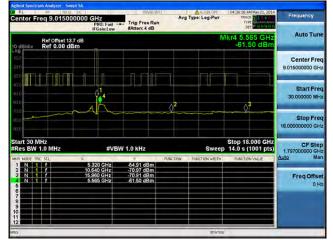
Antenna C

Antenna B

Page No: 336 of 604



Conducted Spurs Average, 5320 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3



enter Freq 9.015000000	GHZ PNO: Fast	Trig: Free #Atten: 4 d		Avg Type:	Log-Pwr	04:42:16 AM May 21, 2 TRACE 22:14 TVPE DET P MULT	Frequency
Ref Offset 13.7 dB					N	1kr4 5.565 GH -60.57 dB	Auto Tune
							Center Fred 9.015000000 GH:
				2		A3	Start Free 30,000000 MH
			V				Stop Free 18.00000000 GH
art 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz			Sweep	Stop 18.000 G 14.0 s (1001 p	(S) 1.797000000 GH
2 N 1 F 10 3 N 1 F 15 4 N 1 F 5 6 7	320 GHz 640 GHz 960 GHz 565 GHz	¥ -55.03 dBr -70.80 dBr -70.97 dBr -60.57 dBr	m	ION FUNC	TION WOTH	FUNCTION VALUE	Auto Mar Freq Offse 0 H
8 9 0 1 2							

Antenna A

enter Freq 9.015000000 (CHZ PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	TRACE 12 14 E	Frequency
Ref Offset 13.7 dB 0 dB/div Ref 0.00 dBm			N	/kr4 5.565 GHz -60.54 dBm	Auto Tune
000 000 000 000	1	n =11==			Center Fred 9.015000000 GH:
			2	0 ³	Start Free 30.000000 MHz
no				¥	Stop Free 18.000000000 GH:
tart 30 MHz Res BW 1.0 MHz	#VBW	1.0 kHz	Sweep		CF Step 1.797000000 GH
KR MODE TRC SCL X	320 GHz 640 GHz	-54.92 dBm	CTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
3 N 1 7 15. 4 N 1 7 5 6	960 GHz 565 GHz	-71.27 dBm -70.96 dBm -60.54 dBm			Freq Offse 0 H
7 8 9 0 1					
			STATE		

Antenna C

Antenna B

Page No: 337 of 604

Conducted Spurs Average, 5320 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1



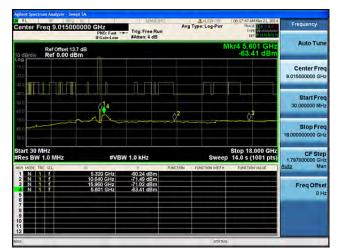




er Freq 00 GHz
-
nt Free
p Free
F Step 00 GH
Mar
Offsel 0 Ha

Antenna C





Antenna D

Page No: 338 of 604



Conducted Spurs Average, 5320 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2





Antenna A

RL 85 599 00 Center Freq 9.015000000		Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	05:30:10 AM May 21, 2014 TRACE 12 14 5 TYPE DET P. 10:11/01	Frequency Auto Tune		
Reformet 13.7 dB Mkr3 15.960 GHz o dBidiv Ref 0.00 dBm -71.09 dBm							
200 					Center Fred 9.015000000 GH:		
510 410 510			A2	3	Start Free 30.000000 MH:		
mia én o eu o			¥		Stop Free 18.000000000 GH:		
Start 30 MHz #Res BW 1.0 MHz	#VB	N 1.0 kHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH		
MKR MODE TRC SCL X	6.320 GHz	-57.53 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar		
2 N 1 F	0.640 GHz 5.960 GHz 5.798 GHz	-71 24 dBm -71.09 dBm -63.48 dBm			Freq Offsel 0 Hz		
7 8 9 10 11 12							
12	_		STATLE				

Antenna C



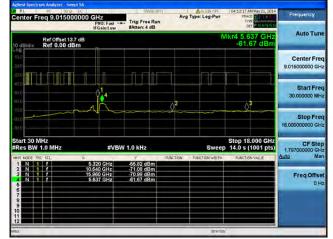
enter Freq 9.01500000		Trig:Free Run	Ave	Type: Log-Pwr	05:33:50 AM May 21, 201 TRACE 2 4 TVPE W	Frequency	
Ref Offset 13.7 dB Mkr4 5.673 GHz dB/d/v Ref 0.00 dBm60.51 dBm							
	n					Center Fre 9.015000000 GH	
						Start Free 30,000000 MH	
						Stop Free 18.000000000 GH	
start 30 MHz Res BW 1.0 MHz	#VB	W 1.0 kHz		Sweep			
	5 320 GHz 0 640 GHz 5 960 GHz 5 673 GHz	-57.41 dBm -71.43 dBm -71.14 dBm -60.51 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 H	
6 7 8 9							

Antenna D

Page No: 339 of 604



Conducted Spurs Average, 5320 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3







	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	05:00:36 AM May 21, 2014 TRACE 2 4 F Type Workshift	Frequency
0		٨	1kr4 5.637 GHz -60.94 dBm	Auto Tune
				Center Fred 9.015000000 GH:
		л <u>2</u>		Start Free 30.000000 MH
		-V		Stop Free 18.00000000 GH:
#VBV	V 1.0 kHz	Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
6 920 CHin		FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
0.640 GHz 5.960 GHz	-71 24 dBm -70.90 dBm -60.94 dBm			Freq Offset 0 H;
	FGaincLow	I GHz Trig: Free Run Jaten: 4 dB I Floi: Fuit Frei: Free Run Jaten: 4 dB I Floi: Fuit Fr	IGHz IPRO: Tauti Trig: Free Run Indianc. few Arg: Type: Log-Perr Materia: 4 dB IFG: Indianc. few Trig: Free Run Acter: 4 dB Image: Image	IC Hz IFG ind. two Frig: Free Run Acten: 4 db Avg Type: Log-Pwr That: ID Hate Trig: Free Run Acten: 4 db IFG ind. two Frie: Free Run Acten: 4 db IMkrd 5,657 GHz -60,94 dBm Stop 18,000 GHz #VEW 1.0 kHz Stop 18,000 GHz Sweep 14.0 s (1001 pts) 520 GH4: 557 dBm Stop 18,000 GHz 5590 GHz Parctor work

Antenna C





Antenna D

Page No: 340 of 604

Conducted Spurs Average, 5320 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1





Antenna B

Page No: 341 of 604

Conducted Spurs Average, 5320 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1



RL 500 00 enter Freq 9.015000000	CHZ PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg	Type: Log-Pwr	04:42:16 AM May 21, 2014 TRACE 2 4 TVPE 000000000000000000000000000000000000	Frequency
dB/div Ref 0.00 dBm	-6-			M	kr4 5.565 GHz -60.57 dBm	Auto Tune
		n cir				Center Fred 9.015000000 GH:
			0 ²		03	Start Free 30,000000 MH:
6 6	4					Stop Free 18.000000000 GH
art 30 MHz tes BW 1.0 MHz	#VBW	1.0 kHz		Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH:
R MODE THE SOL X	320 GHz	-55.03 dBm	FUNCTION	FUNCTION WIDTH .	FUNCTION VALUE	Auto Mar
N 1 F 10 N 1 F 15 N 1 F 5	640 GHz 960 GHz 565 GHz	-70.80 dBm -70.97 dBm -60.57 dBm				Freq Offse 0 Hi
				STATUS		-

Antenna B

Antenna A	
-----------	--

enter Freq 9.01500000		Trig: Free Run	Avg Type: Log-Pwr	04:45:56 AM May 21, 2014 TRACE 2 4 5 TYPE WOMAN	Frequency
Ref Offset 13.7 dB			n	Vkr4 5.565 GHz -60.54 dBm	Auto Tune
99 00 00 00	n				Center Fred 9.015000000 GH:
			л ²		Start Free 30.000000 MH:
no	~~~		×	V	Stop Free 18.000000000 GH:
tart 30 MHz Res BW 1.0 MHz	#VBV	/ 1.0 kHz	Sweep	Stop 18.000 GHz p 14.0 s (1001 pts)	CF Step 1.797000000 GH
KR MODE TRC SCL. X	5.320 GHz	Y F	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
3 N 1 F 4 N 1 F 6	10.640 GHz 15.960 GHz 5.565 GHz	-71.27 dBm -70.96 dBm -60.54 dBm			Freq Offset 0 Ha
6 7 8 9 0					

Antenna C

Page No: 342 of 604

Conducted Spurs Average, 5320 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1



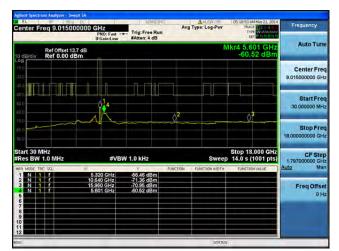




RL 88 589 00 Center Freq 9.015000000	GHZ PNO: Fast	Trig: Free Run #Atten: 4 dB		ALICH CHE	05:15:14 AM May 21, 2014 TRACE 214 E TYPE COT P NORMALI	Frequency
Ref Offset 13.7 dB	0			Ν	1kr4 5.565 GHz -61.09 dBm	Auto Tune
100 210 210	1		_			Center Fred 9.015000000 GH:
					L	Start Free 30,000000 MH:
10.0 én o 60.0						Stop Free 18.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBI	N 1.0 kHz		Sweep	Stop 18.000 GHz 14.0 s (1001 pts)	CF Step 1.797000000 GH
MKR MODE TRC SCL X	320 GHz	γ -56.91 dBm	FUNCTION E	UNCTION WIDTH	FUNCTION VALUE	Auto Mar
2 N 1 f 10 3 N 1 f 15	640 GHz 960 GHz 565 GHz	-71.26 dBm -71.10 dBm -61.09 dBm				Freq Offset 0 Hi
7 8 9 10 12						
12				STATUS		

Antenna C





Antenna D

Page No: 343 of 604



enter Freq 9.015000000 GHz File and the freq and the frequency of the freq Avg Type: Log-F Auto Tun Ref Offset 13.82 dB Ref 0.00 dBm 61.05 Center Fre 9.015000000 GH Start Fre 30.000000 N Stop Fre 18.00000000 GH Stop 18.000 GHz Sweep 30.0 ms (1001 pts) t 30 MHz 5 BW 1.0 MH CFSt N 3.0 MH 1,79700 M -58.44 dBn -62.52 dBn -61.05 dBn 5.260 GHz 10.520 GHz 15.780 GHz Freq Offse

Conducted Spurs Peak, 5260 MHz, Non HT/VHT20, 6 to 54 Mbps

Antenna A

Page No: 344 of 604

Frequ

Auto Tu

Center Fre 9.015000000 GH

Start Fre

Stop Fre

CF Step

Freq Offse

M

Stop 18.000 GHz Sweep 30.0 ms (1001 pts)

Avg Type: Log-P







Antenna B

tart 30 MHz Res BW 1.0 M

Ref Offset 13.82 dB Ref 0.00 dBm

#VBW 3.0 MH

-60.49 dE -61.22 dE -62.44 dE

5.260 GHz 10.520 GHz 15.780 GHz

Page No: 345 of 604







Antenna B

enter Freq 9.01500		Trig: Free Run	Avg Type: Log-Pwr	08:30:41 AM May 18, 2014 TRACE 12, 4 E	Frequency	
If Gainclow #Atten: 4 dB ref 2000 GHz Ref Offset 13.82 dB Mkr 2 10.5200 GHz 10 dB/dly Ref 0.00 dBm - 63.46 dBm						
10	malen	المرور والمروا والمحافظ والمحافظ والمحافظ	2 Aphilangen Babland Partie	aure A ³ and the	Start Free 30.000000 MH	
un and a spin south and a second						
00						
tart 30 MHz Res BW 1.0 MHz		W 3.0 MHz	Sweep	Stop 18.000 GHz 30.0 ms (1001 pts)	Stop Free 18.000000000 GH CF Step 1.797000000 GH	
tart 30 MHz Res BW 1.0 MHz Res GW 1.0 MHz	#VB\ * 5.260 GHz	γ ευ -61.51 dBm	Sweep NETION PLANCTION WIDTH		18.00000000 GH	
tart 30 MHz Res BW 1.0 MHz Res DW 1.0 MHz R 1 N 1 F 3 N 1 F 4 6	#VB\ ×	Y FU		30.0 ms (1001 pts)	18.00000000 GH CF Step 1.79700000 GH	
tart 30 MHz Res BW 1.0 MHz Res BW 1.0 MHz R Mode Inc. Scl. 1 N 1 f 3 N 1 f 4	#VB\ 5.260 GHz 10.520 GHz	Y PU -61.51 dBm -63.46 dBm		30.0 ms (1001 pts)	18.00000000 GH CF Ste 1.797000000 GH Auto Ma Freq Offse	

Antenna C

Page No: 346 of 604



Conducted Spurs Peak, 5260 MHz, Non HT/VHT20, 6 to 54 Mbps





Antenna C



cisco





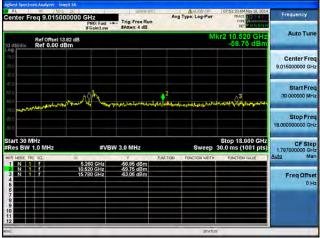
Antenna D

Page No: 347 of 604



Conducted Spurs Peak, 5260 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps





Antenna B

Antenna A

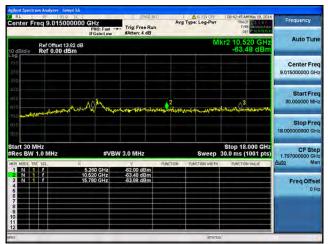
Page No: 348 of 604

Conducted Spurs Peak, 5260 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps





Antenna A



Antenna C

Antenna B

Page No: 349 of 604



Conducted Spurs Peak, 5260 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps



Antenna A

Center Freq 9.01500000			Avg Type: Log-Pwr	DP:06:50 AM May 19, 2014 TRACE 2 4 F TYPE COLORIS	Frequency
Ref Offset 13.82 dB	Auto Tune				
100 200 200					Center Free 9.015000000 GH
410 910 610	Haraman	aller and the second	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	And	Start Free 30.000000 MH
70.0 0000000000000000000000000000000000					Stop Free 18.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBI	W 3.0 MHz	Sweep	Stop 18.000 GHz 30.0 ms (1001 pts)	CF Step 1.797000000 GH Auto Mai
	5.260 GHz 0.520 GHz 5.780 GHz	63.94 dBm 62.46 dBm 63.22 dBm			Freq Offse 0 H

Antenna C





Antenna D

Page No: 350 of 604



enter Freq 9.015000000 GHz Pho: Fast ---- Trig: Free Run Pho: Fast ---- Trig: Free Run Matter: 4 dB Avg Type: L Auto Tun Ref Offset 13.82 dB Ref 0.00 dBm Center Fre 9.015000000 GH Start Fre 30.000000 N ٥ Stop Fre 18.00000000 GH Stop 18.000 GHz Sweep 30.0 ms (1001 pts) 30 MHz BW 1.0 MH CFSt N 3.0 MH 1,79700 M -55.52 dBn -61.68 dBn -62.70 dBn 5.260 GHz 10.520 GHz 15.780 GHz Freq Offse

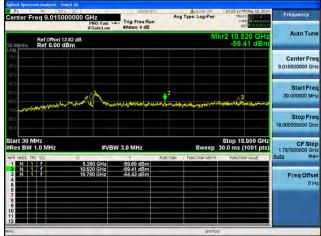
Conducted Spurs Peak, 5260 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1

Antenna A

Page No: 351 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1





Antenna A

Antenna B

Page No: 352 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2







Page No: 353 of 604



Conducted Spurs Peak, 5260 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1





Antenna B

Antenna A	
-----------	--



Antenna C

Page No: 354 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2





Antenna B

enter Freq 9.01500		Trig: Free Run	Avg Type: Log-		Frequency
Ref Offset 13 0 dB/div Ref 0.00 d	.82 dB	satten. 4 db		Mkr3 15.780 GHz -62.00 dBm	
00 00 200 00					Center Free 9.015000000 GH
400 500 600	m All	N such much sugar free	2 Mentering and America	hora manager	Start Free 30.000000 MH
70.0 					Stop Free 18.000000000 GH
Start 30 MHz Res BW 1.0 MHz	#VB	W 3.0 MHz	Swe	Stop 18.000 GHz ep 30.0 ms (1001 pts	1.797000000 GH
ACH MODE THE SEL	* 5.260 GHz 10.520 GHz	-62.09 dBm -62.31 dBm	UNCTION EUNCTION W	IDTH FUNCTION VALUE	Auto Mar
4 6 6	15.780 GHz	-62.00 dBm			Freq Offse 0 H
7 8 9 10 11					

Antenna C

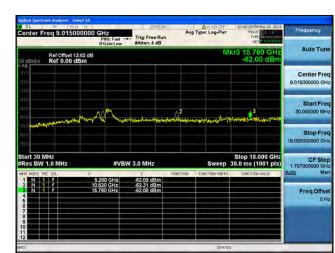
Page No: 355 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3





Antenna B



Antenna C

Page No: 356 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1



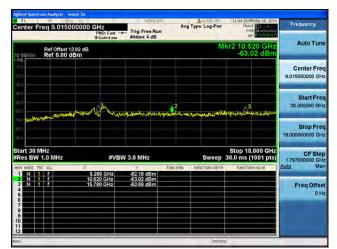






Antenna C





Antenna D

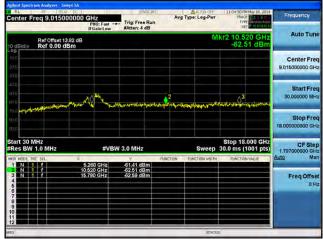
Page No: 357 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2









Antenna C





Antenna D

Page No: 358 of 604



Conducted Spurs Peak, 5260 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3



Trig: Free Run

Avg Type: Log-P

er Freq 9.015000000 GHz

Ref Offset 13.82 dB Ref 0.00 dBm

սիսիս cisco

Frequ

Auto Tu

Start Fr

CF Step

M



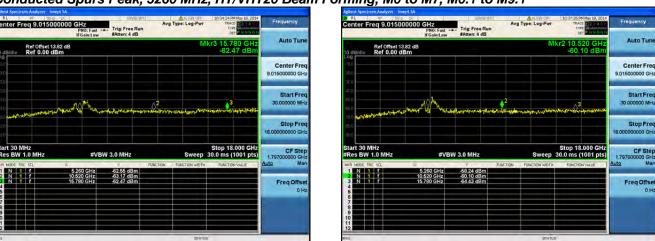


Antenna C



Antenna D

Page No: 359 of 604



Conducted Spurs Peak, 5260 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1

Antenna A

Antenna B

սիսիս cisco

M

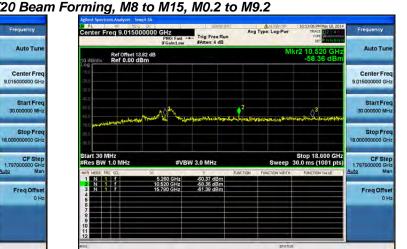
Page No: 360 of 604

Avg Type: L

١

W 3.0 MH

5.260 GHz 10.520 GHz 15.780 GHz -60.66 dBr -61.39 dBr -63.34 dBr



cisco

Conducted Spurs Peak, 5260 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2

Stop 18.000 GHz Sweep 30.0 ms (1001 pts)

Antenna A

t 30 MHz 5 BW 1.0 MH

Ref Offset 13.82 dB Ref 0.00 dBm



Page No: 361 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1





Antenna A

enter Freq 9.0150	00000 GHz PN0: Fast - IFGain:Low	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	11:29:13 PM May 18, 2014 TRACE 2 4 5 TYPE WARMAN	Frequency
Ref Offset 13 0 dB/div Ref 0.00 d			М	kr3 15.780 GHz -62.91 dBm	Auto Tune
00 100 200					Center Free 9.015000000 GH:
ano alo no no superior applicit e	hand the	Lative all second and a second second	2 Santan Jan Jan Jan Jan Jan Jan Jan Jan Jan J	A Barrier and And	Start Free 30.000000 MH:
0.0					Stop Free 18.000000000 GH
and					
Start 30 MHz	#VB	W 3.0 MHz	Sweep	Stop 18.000 GHz 30.0 ms (1001 pts)	
itart 30 MHz Res BW 1.0 MHz KR MODE TRC SCL	×	. У	Sweep		CF Step 1.797000000 GH Auto Mar
Start 30 MHz Res BW 1.0 MHz 47 MODE THC SCL 1 N 1 F 2 N 1 F 3 N 1 F 4 6				30.0 ms (1001 pts)	1.797000000 GH
	× 5.260 GHz 10.520 GHz	-61.62 dBm -63.14 dBm		30.0 ms (1001 pts)	1.797000000 GF Auto Ma

Antenna C

Antenna B

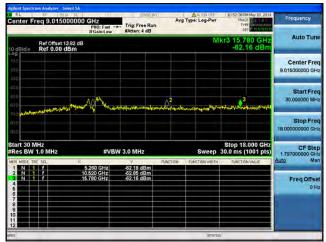
Page No: 362 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2





Antenna A



Antenna C

Antenna B

Page No: 363 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3





Antenna A



Antenna C

Antenna B

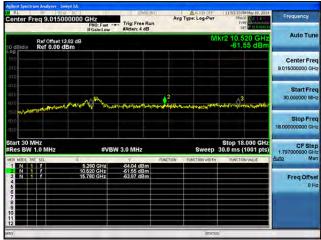
Page No: 364 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1





Antenna A



Antenna C





Antenna D

Page No: 365 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2









Antenna C





Antenna D

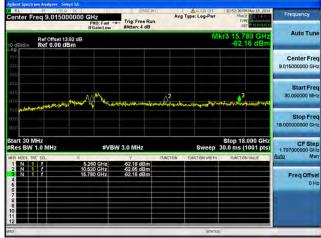
Page No: 366 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3









Antenna C





Antenna D

Page No: 367 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1



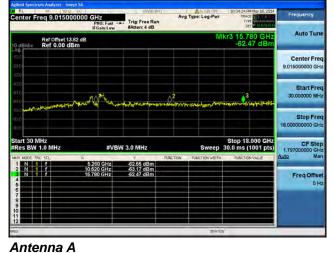


Antenna B

Page No: 368 of 604



Conducted Spurs Peak, 5260 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1





Antenna B



Antenna C

Page No: 369 of 604

Conducted Spurs Peak, 5260 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1









Antenna C





Antenna D

Page No: 370 of 604

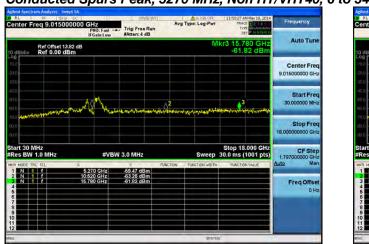


Conducted Spurs Peak, 5270 MHz, Non HT/VHT40, 6 to 54 Mbps



Antenna A

Page No: 371 of 604



Conducted Spurs Peak, 5270 MHz, Non HT/VHT40, 6 to 54 Mbps

Antenna A





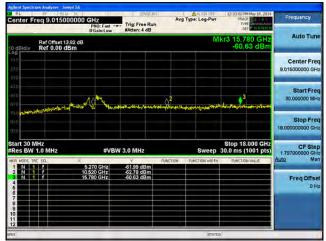
Page No: 372 of 604

Conducted Spurs Peak, 5270 MHz, Non HT/VHT40, 6 to 54 Mbps





Antenna A



Antenna C

Antenna B

Page No: 373 of 604



Conducted Spurs Peak, 5270 MHz, Non HT/VHT40, 6 to 54 Mbps





Antenna C



cisco





Antenna D

Page No: 374 of 604



Avg Type: L Auto Tun Ref Offset 13.82 dB Ref 0.00 dBm Center Fre 9.015000000 GH Start Fre 30.000000 N ٥ Stop Fre 18.00000000 GH Stop 18.000 GHz Sweep 30.0 ms (1001 pts) CFSt 30 MHz BW 1.0 MH N 3.0 MH 1,79700 M -58.64 dBn -64.17 dBn -62.35 dBn 5.270 GHz 10.520 GHz 15.780 GHz Freq Offse

Antenna A

Page No: 375 of 604

This document is uncontrolled. Please refer to the electronic copy within EDCS for the most up to date version. Cisco Systems, Inc. Company Confidential

Conducted Spurs Peak, 5270 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1

Conducted Spurs Peak, 5270 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1





Antenna A

Antenna B

Page No: 376 of 604

Frequ

Auto Tu

Center Fre 9.015000000 GH

Start Fre

30.000000 MI

Stop Fre

CF Step

Freq Offse

M

Stop 18.000 GHz Sweep 30.0 ms (1001 pts)

Conducted Spurs Peak, 5270 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2







tart 30 MHz Res BW 1.0 N

Ind Spectrum Analysis The Source of the Spectrum Spectru

> Ref Offset 13.82 dB Ref 0.00 dBm

Avg Type: Log-P

#VBW 3.0 MH

5.270 GHz 10.520 GHz 15.780 GHz -57.27 dB -61.59 dB -64.18 dB

Page No: 377 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1





Antenna B

Center Freq 9.01500000	PNO: Fast	Trig: Free Run #Atten: 4 dB	Avg Type: Log-Pwr	03:22:42 AM May 19, 2014 TRACE 12 4 5 TYPE WARNING	Frequency
Ref Offset 13.82 dB			M	kr3 15.780 GHz -60.80 dBm	Auto Tune
					Center Free 9.015000000 GH:
ero	Alter	and the second	A2 BHY served and and a served at the served	3	Start Free 30,000000 MH:
70.0					Stop Free 18.000000000 GH:
Start 30 MHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep	Stop 18.000 GHz 30.0 ms (1001 pts)	CF Step 1.797000000 GH
MKR MODE TRC SCL. X	5.270 GHz	-60.00 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
2 N 1 F	10.520 GHz 15.780 GHz	453.23 dBm 450.80 dBm			Freq Offse
7 8 9					

Antenna C

Page No: 378 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2





Antenna B

Center Freq 9.01500	DOODO GHZ	Trig: Free Run		Type: Log-Pwr	03:10:21 AM May 19, 2014 TRACE 12, 4 5 TYPE	Frequency
Ref Offset 13 0 dB/div Ref 0.00 d		#Atten: 4 dB		MI	r3 15.780 GHz -61.92 dBm	Auto Tune
000 100 200 200						Center Free 9.015000000 GH:
erei süö süö mi <mark>aasidetaja ja kaintaja ja kaintaja ja kaintaja ja kaintaja kaintaja kaintaja ja kaintaja kaintaja kaintaja k</mark>	mar Marine	Mush Winner	Q2	andagh days (******	3	Start Free 30.000000 MH
71.0 						Stop Fre 18.000000000 GH
Start 30 MHz Res BW 1.0 MHz	#VB	W 3.0 MHz		Sweep 3	Stop 18.000 GHz 30.0 ms (1001 pts)	CF Step 1.797000000 GH
AGN AGN A F 1 N 1 F 1 2 N 1 F 1 3 N 1 F 1 6 6 6 6 1 7 7 7 1 1 9 9 1 1 1	5.270 GHz 10.520 GHz 15.780 GHz	58.79 dBm 52.14 dBm 61.92 dBm	EUNCTION	FUNCTION WIDTH .	FUNCTION VALUE	Auto Mar Freq Offse 0 H:

Antenna C

Page No: 379 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3





Antenna B

	eq 9.0150	00000 GHz PNO: Fast IFGain:Low		Ave	Type: Log-Pwr	03:10:21 AM May 19, 2014 TRACE 21.4 E TYPE 011 P NO.010	Frequency
	Ref Offset 13 Ref 0.00 d				MI	kr3 15.780 GHz -61.92 dBm	Auto Tune
100 310							Center Fred 9.015000000 GH:
2101	page and the	Anna 18th mary	Anos-Ingen	Q2	undagh lags - the	3	Start Free 30,000000 MH:
							Stop Free 18.000000000 GH
tart 30 Mi Res BW 1	.0 MHz		W 3.0 MHz			Stop 18.000 GHz 30.0 ms (1001 pts)	CF Step 1.797000000 GH Auto Mai
AR MODE TRC 1 N 1 2 N 1 3 N 1 4 6	1	× 5 270 GHz 10,520 GHz 15,780 GHz	-58.79 dBm -52.14 dBm -61.92 dBm	PUNCTION	EUNCTION WIDTH :	FUNCTION VALUE	Freq Offse
8 9 10 11 12							
10				_	STATUS		

Antenna C

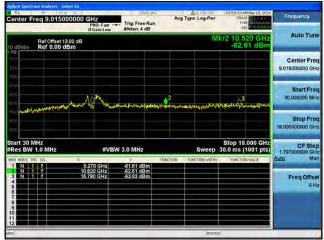
Page No: 380 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1









Antenna C





Antenna D

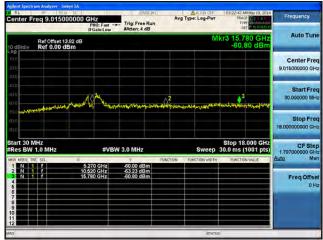
Page No: 381 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2









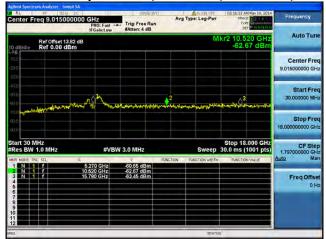
Antenna C





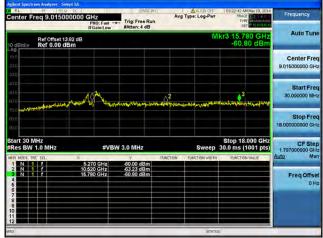
Antenna D

Page No: 382 of 604









Antenna C



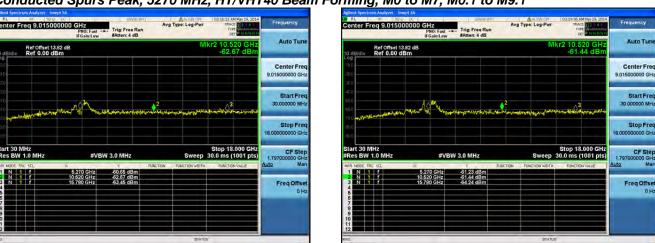


Antenna D

Page No: 383 of 604

This document is uncontrolled. Please refer to the electronic copy within EDCS for the most up to date version. Cisco Systems, Inc. Company Confidential

Conducted Spurs Peak, 5270 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3



սիսիս cisco

Conducted Spurs Peak, 5270 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1

Antenna A

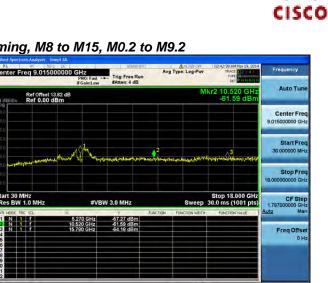
30 MHz BW 1.0 MH

Ref Offset 13.82 dB Ref 0.00 dBm

5.270 GHz 10.520 GHz 15.780 GHz

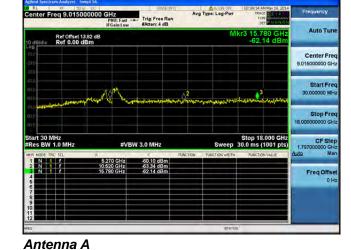
Antenna B

Page No: 384 of 604



սիսիս

Conducted Spurs Peak, 5270 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2





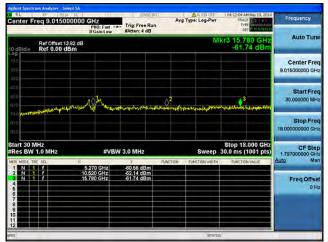
Page No: 385 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1



enter Freq 9.015000000	GHZ PNO: Fast ++	- Trig: Free Run #Atten: 4 dB		Type: Log-Pwr	04:08:58 AM May 19, 2014 TRACE TYPE DET P FORTBALL	Frequency
Ref Offset 13.82 dB				M	kr3 15.780 GHz -61.96 dBm	
10 10 10						Center Fred 9.015000000 GH:
States and and the states of	- Althe anges	energy and the second	2 	dry the present from	atterinal anatophysics	Start Free 30,000000 MH
10 						Stop Free
(Ó)						18.00000000 GH:
art 30 MHz Res BW 1.0 MHz	#VBV	V 3.0 MHz		Sweep	Stop 18.000 GHz 30.0 ms (1001 pts)	CF Step 1.797000000 GH
art 30 MHz Res BW 1.0 MHz		Y	FUNCTION	Sweep Function wibith		
ant 30 MHz Res BW 1.0 MHz 7 Holes File: Sc. X N 1 f 1 f N 1 f 16 N 1 f 16	#VBV 5.270 GHz 0.520 GHz 5.780 GHz		FUNCTION		30.0 ms (1001 pts)	CF Step 1.797000000 GH:
art 30 MHz Res BW 1.0 MHz R MORE FRE SC. X I N 1 f 10 N 1 f 10 N 1 f 10	5.270 GHz 0.520 GHz	-52.89 dBm -63.38 dBm	FUNCTION		30.0 ms (1001 pts)	CF Step 1,797000000 GH <u>Auto</u> Mar Freq Offse

Antenna A



Antenna C

Antenna B

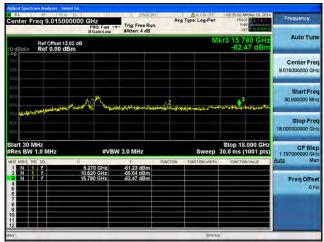
Page No: 386 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2





Antenna A



Antenna C

Antenna B

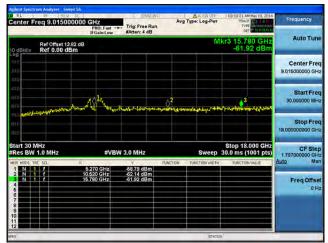
Page No: 387 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3





Antenna A



Antenna C

Antenna B

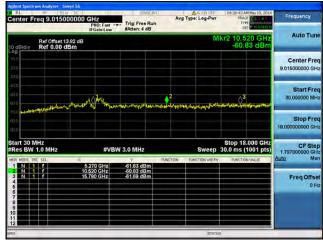
Page No: 388 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1









Antenna C





Antenna D

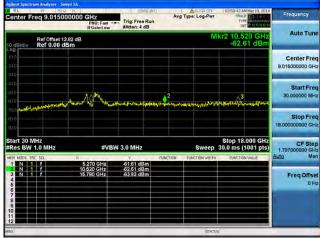
Page No: 389 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2









Antenna C





Antenna D

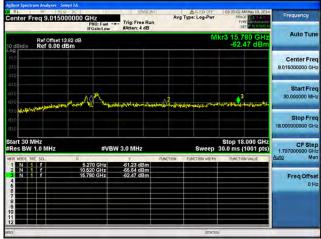
Page No: 390 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3









Antenna C





Antenna D

Page No: 391 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1





Antenna A

Antenna B

Page No: 392 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1





Antenna B

		JIMSE INT	A	Type: Log-Pwr	03:10:21 AM May 19, 2014	Frequency	
Center Freq 9.01500	PNO: Fast	#Atten: 4 dB	Avg	Type: Log-rwi	TYPE DE DE ONICH		
Ref Offset 13; 0 dB/div Ref 0.00 dB	82 dB 3m			M	kr3 15.780 GHz -61.92 dBm	Auto Tune	
00 100 200						Center Free 9.015000000 GH:	
410 500 600	And All Mary	Hunder-Weitregen songe	2 ²	and and have 1 to the	3	Start Free 30.000000 MH:	
71.0 m (0.0						Stop Free 18.000000000 GH	
Start 30 MHz Res BW 1.0 MHz	#VB\	V 3.0 MHz		Sweep	Stop 18.000 GHz 30.0 ms (1001 pts)	CF Step 1.797000000 GH	
AKR MODE TRC SCL.	× 5.270 GHz	-58.79 dBm	UNCTION	EUNCTION WIDTH :	FUNCTION VALUE	Auto Ma	
2 N 1 f 3 N 1 f 4 6	10.520 GHz 15.780 GHz	-62.14 dBm -61.92 dBm				Freq Offse 0 H	
7 8 9 10			2				
10				STATUS	1		

Antenna C

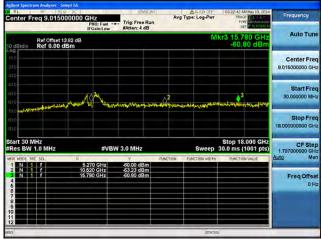
Page No: 393 of 604

Conducted Spurs Peak, 5270 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1



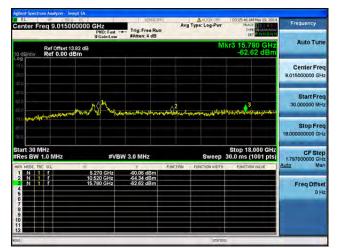


Antenna A



Antenna C





Antenna D

Page No: 394 of 604

Conducted Spurs Peak, 5290 MHz, Non HT/VHT80, 6 to 54 Mbps



Avg Type: Log-F Auto Tun Ref Offset 13.82 dB Ref 0.00 dBm Center Fre 9.015000000 GH Start Fre 30.000000 N Stop Fre CF Sto Stop 18.000 GHz Sweep 30.0 ms (1001 pts) t 30 MHz 5 BW 1.0 MH N 3.0 MH M -62.85 dBn -64.54 dBn -63.73 dBn 5.290 GHz 10.520 GHz 15.780 GHz Freq Offse

Antenna A

Page No: 395 of 604



Conducted Spurs Peak, 5290 MHz, Non HT/VHT80, 6 to 54 Mbps





Antenna A

Antenna B

Page No: 396 of 604







Antenna B

An	tei	nna	A R



Antenna C

Page No: 397 of 604



Conducted Spurs Peak, 5290 MHz, Non HT/VHT80, 6 to 54 Mbps





Antenna C



cisco





Antenna D

Page No: 398 of 604



Conducted Spurs Peak, 5290 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1



Antenna A

Page No: 399 of 604

Conducted Spurs Peak, 5290 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1





Antenna A

Antenna B

Page No: 400 of 604