Conducted Bandedge Average, 5530 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2



PNO: Fast	Trig: Free Run	#Avg Type: RMS Avg[Hold: 100/100	TYPE NUMBER	Frequency
8 dB	#Atten: 4 dB	Mkr		Auto Tune
				Center Freq 5.415000000 GHz
			1	Start Freq 5.370000000 GHz
				Stop Freq 5,46000000 GHz
×	V FU		Stop 5.46000 GHz 702 ms (1001 pts)	CF Step 9.000000 MHz Auto Man
0.400.00 GHZ				Freq Offset 0 Hz
	iřGaletov 8 dB m ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽ ₽	Arten: 4 dB	if Gainclew AAtten: 4 dB & dB Mkr B dB Mkr Image: State of the state o	if Gaintaw AAtten: 4 dB Communication & dB Mkr1 5.4.460 00 GHz Second 100 GHZ B min -53.188 dBm -53.188 dBm -53.189 dBm -53.188 dBm -53.188 dBm -59.180 dBm -59.180 dBm -59.180 dBm -59.180 d

Antenna A

AL I		D DC		3852		ALION OFF	09:41124 PM May 23, 2	Frequency
Center F	req 5.415	p	NO: Fast -	Trig: Free R	un Av	g Hold: 100/100	TYPE MULTIN	
0 dB/div	Ref Offset Ref 0.00	13.8 dB				Mki	-53,451 dB	
00 100 300 30.0								Center Free 5.415000000 GH
804) (2000 2002)								1 Start Free 5.370000000 GH
πιά ευύ ευο								Stop Fre 5.46000000 GH
	7000 GHz 1.0 MHz		#VB	W 100 Hz		Sweep	Stop 5.46000 G 702 ms (1001 p	HZ
	RC SOL	× 5,460 0	0 GHz	-53.451 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
23456								Freq Offse 0 H
7 8 9 10								

Antenna C

Antenna B

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Conducted Bandedge Average, 5530 MHz, HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3



enter F			Hz PNO: Fast Gain:Low	Trig: Free F	Run	#Avg Type AvgiHold:		09:00:00 PM May 23, 2014 TRACE 2 2 8 8 TYPE Det P 11 11 11	Frequency
0 dB/div	Ref Offset Ref 0.00						Mk	1 5.460 00 GHz -52.099 dBm	Auto Tune
10 10 10									Center Fred 5.415000000 GH:
a.o a.o								Sano uby	Start Free 5.370000000 GH:
500 10 10								110 00 000	Stop Free 5,46000000 GH:
Res BW		×		SW 100 Hz	FUNE	TION FUN	Sweep CTION WOTH	Stop 5.46000 GHz 702 ms (1001 pts) FUNCTION VALUE	CF Step 9.000000 MH: Auto Mar
1 N 1 2 3 4 6 6 7 8		5.460	00 GHz	-52.099 dBn					Freq Offse 0 H
9									

Antenna A

	DC	38/62:4/1		Type: RMS	09:07:10 PM May 23, 2014	Frequency
Center Freq 5.41500	PNO: Fast · IFGain:Low	Trig: Free Run #Atten: 4 dB		Hold: 100/100	TYPE MUL	
Ref Offset 13.	8 dB Im			Mkr	1 5.460 00 GHz -51.793 dBm	Auto Tune
.0g (m) 310						Center Free 5.415000000 GH
រប) តាម តាម						Start Fre 5.370000000 GH
πά ωύ ωα						Stop Fre 5.460000000 GH
Start 5.37000 GHz Res BW 1.0 MHz	#VB	W 100 Hz		Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	CF Ste
NUM MODE TRC SOL	× 5.460 00 GHz	-51.793 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
2 3 4 5 6						Freq Offse 0 H
7 8 9 10 11						
12						

Antenna C

Antenna B

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Conducted Bandedge Average, 5530 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1







	q 5.41500000		Trig: Free Run #Atten: 4 dB	#Avg Type: RMS Avg Held: 100/100	12:15:45 AM May 24, 2014 PRACE 2 2 4 9 TYPE Mysource Det P ANN AN	Frequency
	Ref Offset 13.8 dB Ref 0.00 dBm			Mk	r1 5.460 00 GHz -58.920 dBm	Auto Tun
9 () ()						Center Fre 5.415000000 GH
ο):= τέι: τή:						Start Fre 5.370000000 GH
(8) (1) (1)						Stop Fre 5.460000000 GH
art 5.3700 tes BW 1.	00 GHz 0 MHz	#VB	W 100 Hz	Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	CF Ste 9.000000 MH
A MODE TRC		.460 00 GHz	-58.920 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
						Freq Offs 0 H
				STÂT		

Antenna C



enter Fi	req 5.4150	00000 GHz PNO: Fast IFGain:Low	Trig: Free Run #Atten: 4 dB	#Avg Type: RMS Avg[Hold: 100/100	12:22:45 AM May 24, 2014 TRACE 12:24 4 TYPE Motoroup Opt P. 110.11	Frequency
0 dB/div	Ref Offset 13 Ref 0.00 d	3.8 dB Brn		Mki	2 5.440 02 GHz -61.275 dBm	Auto Tune
0g 100 100						Center Freq 5.415000000 GHz
40.0				×	2 - 1 Alin av	Start Freq 5.370000000 GHz
700 						Stop Freq 5.46000000 GHz
Start 5.37 #Res BW		#VB	W 100 Hz	Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	CF Step 9.000000 MHz
1 N 1		× 5.460 00 GHz 5.440 02 GHz	-58.812 dBm	UNETION FUNCTION WOTH	FUNCTION WALLIE	Auto Man
2 N 1 34567		5.440 02 GHZ	-61,275 dBm			Freq Offset 0 Hz
8 9 10 11						
sa				STATL	5	-

Antenna D

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Conducted Bandedge Average, 5530 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2







Center F		000000 GHz PNO: Fast IFGain:Low	Trig: Free Ru #Atten: 4 dB	#Av:	Type: RMS Hold: 100/100	11:05:21 PM May 23, 2014 TRACE 12:34 TYPE MUNICIPAL PARTY DET PARTY IN	Frequency
0 dB/div	Ref Offset Ref 0.00				Mk	r1 5.460 00 GHz -55.629 dBm	Auto Tun
100							Center Fre 5.415000000 GH
400)) 6030						1 -5000	Start Fre 5.370000000 GH
70.0) 80.0) 80.0)							Stop Fre 5.45000000 GH
Start 5.37 Res BW	000 GHz 1.0 MHz	#VI	BW 100 Hz		Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	CF Ste 9.000000 Mi
NA NODE T		× 5.460 00 GHz	-55.629 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Mi
23456							Freq Offs 0 }
7 8 9 10							
12							1.

Antenna C



enter Fi	req 5.4150000		Trig: Free Run #Atten: 4 dB	#Av:	Type: RMS Hold: 100/100	11:12:19 PM May 23, 2014 TRACE 1 2 9 4 8 TYPE OFT P NUMBER	Frequency
dB/div	Ref Offset 13.8 d Ref 0.00 dBm				Mkr	2 5.439 84 GHz -58.614 dBm	Auto Tune
							Center Freq 5.415000000 GHz
а.¢ п.о а.е					\$ ²	1 -15 30 mm	Start Freq 5.37000000 GHz
άφ πφ							Stop Freq 5,46000000 GHz
tart 5.37 Res BW		#VB	W 100 Hz		Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	9.000000 MHz
KR MODE TR		× 5.460 00 GHz	-55.302 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION WALLIE	Auto Man
N 1		5.439 84 GHz	-58.614 dBm				Freq Offset 0 Hz
7 8 9 10 11							
sa					STATLS	6	-

Antenna D

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Conducted Bandedge Average, 5530 MHz, HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3







Center F			NO: Fast -	Trig: Free R #Atten: 4 dE	un	#Avg Type: F Avg Hold: 10	RMS 0/100	10:09:23 PM May 23, 20: TRACE 22.24 TYPE Mysecology Det P MIN MI	Frequency
0 dB/div	Ref Offse Ref 0.00						Mk	1 5.460 00 GH -54.598 dBn	Auto Tun
100 300 300									Center Fre 5.415000000 GH
400)(= 60:2(= 60:2(=								400	Start Fre 5.370000000 G
70.0) 60.0) 60.0)									Stop Fre 5.460000000 G
Start 5.37 #Res BW	000 GHz 1.0 MHz		#VB	W 100 Hz		5	weep	Stop 5.46000 GH 702 ms (1001 pts	CF Sto 9,000000 M
MKR MODE TH		× 5.460 0	0 GHz	-54.598 dBm		ICTION FUNCTI	IN WIDTH	FUNCTION VALUE	Auto M
23456									Freq Offs 01
7 8 9 10									
12									

Antenna C



and the second se	54 X	DQ DC	SENSEWIT		AUGN OFF	10:16:23 PM May 23, 20	14
anter F	req 5.415	000000 GHz PNO: Fast IFGain:Low		#Avg Avg	Type: RMS Hold: 100/100	TRACE	
dB/div	Ref Offset Ref 0.00	13.8 dB dBm			Mkr	1 5.460 00 GH -54.321 dB	Auto Tune
10 10 10							Center Fred 5.415000000 GHz
					_	-9.24	Start Free 5.370000000 GH
10 10						Juana	Stop Free 5.460000000 GH
	7000 GHz 1.0 MHz	#V	'BW 100 Hz		Sweep	Stop 5.46000 GH 702 ms (1001 pt	S) 9.000000 MH
tes BW		×		FUNCTION	FUNCTION WIDTH	FUNCTION WALLIE	Auto Mar
AN MODE T		5.460 00 GHz	-54.321 dBm				
A MODE T		5.460.00 GHz	-64.321 dBm				Freq Offse 0 H

Antenna D

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Conducted Bandedge Average, 5530 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1





Antenna A

Antenna B

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Conducted Bandedge Average, 5530 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1



enter F	req 5.41500		Trig: Free Run	#Avg Type: RMS Avg Hold: 100/100	09:00:08 PM May 23, 2014 TRACE 2 8 4 8 TYPE Musican	Frequency
0 dB/div	Ref Offset 13 Ref 0.00 di	8.8 dB	WALLEL & GD	Mk	1 5.460 00 GHz -52.099 dBm	Auto Tune
00 00						Center Freq 5.415000000 GHz
0.0 0.0					1	Start Freq 5.370000000 GHz
10 10 10						Stop Freq 5,46000000 GHz
	1.0 MHz	#VB	W 100 Hz	Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	CF Step 9.000000 MHz Auto Man
1 N 2 3 4 6 6 7 8 9 0 1 2		5.460 00 GHz	-52.099 dBm			Freq Offset 0 Hz
2				STATU	6	-

Antenna A

Center F	req 5.41500		Trig: Free Run #Atten: 4 dB	#Avg Type: RMS Avg Hold: 100/100	09:07:10 PM May 23, 2014 TRACE 2 2 4 TYPE MANAGEMENT DET P M M 100	Frequency
0 dB/div	Ref Offset 13 Ref 0.00 d	1.8 dB Bm		Mk	1 5.460 00 GHz -51.793 dBm	Auto Tune
100 300						Center Free 5.415000000 GH
en) en él						Start Fre 5.370000000 GH
ποά) εού εου)						Stop Fre 5.460000000 GH
Start 5.37 #Res BW		#VE	W 100 Hz	Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	CF Step 9.000000 MH
MKR MODE T		× 5,460 00 GHz	-51.793 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
23456						Freq Offse 0 H
7 8 9 10						
12 				STAT		

Antenna C

Antenna B

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Conducted Bandedge Average, 5530 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1







Center Fi		DO00000 GHz PNO: Fast IFGainLow	Trig: Free Run #Atten: 4 dB	#Avg Type: RMS Avg[Hold: 100/100	09(41)24 PM May 23, 2014 TRACE 23 4 TYPE MUNICIPAL PM IN INC.	Frequency Auto Tune		
Ref Offset 13.8 dB Mkr1 5.460 00 GHz 0 dB/dlv Ref 0.00 dBm -53.451 dBm -53.451 dBm								
1000						Center Fre 5.415000000 GH		
800) (******* 2019 (************************************					570 2	Start Fre 5.370000000 GH		
nė. Dų —— Dų ——						Stop Fre 5.45000000 GH		
start 5.37 Res BW		#VE	3W 100 Hz	Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	CF Ste 9.000000 MH		
KR MODE TR		× 5,460 00 GHz	-53.451 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma		
2345678						Freq Offse 0 H		
9								

Antenna C



	-	SINE	AUCH OF	09:48:22 PM May 23, 2014 TRACE 10 2014	Frequency
enter Freq 5.41500000	DNO: Fast stra T		Avg[Hold: 100/100		
Ref Offset 13.8 dB			Mkr	1 5.460 00 GHz -53.018 dBm	Auto Tune
10 10 10					Center Fred 5.415000000 GHz
				-3922-011	Start Free 5.370000000 GH
10				150 00 350	Stop Free 5.46000000 GH
art 5.37000 GHz Res BW 1.0 MHz	#VBW 10	0 Hz	Sweep	Stop 5.46000 GHz	CF Step 9.000000 MH
		Y FUNCTIO	PUNCTION WIDTH	FUNCTION WALLIE	Auto Mar
					Freq Offse 0 H

Antenna D

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Appendix B: Test Equipment/Software Used to perform the test

Equip #	Manufacturer	Model	Description	Last Cal	Next Due
CIS-50721	Agilent	N9030A	PXA Spectrum Analyzer	4/7/2014	4/7/2015

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