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



enter F	req 5.4150		NO: Fast - Gain:Low	and the second	Run B	#Avg Typ Avg Hold	e: RMS 100/100	09:00:08 FM May 23, 2014 TRACE 12 4 F TYPE Notestand	Frequency
dB/div	Ref Offset						Mk	1 5.460 00 GHz -52.099 dBm	Auto Tune
10 10 10									Center Fred 5.415000000 GH:
								1210.00%	Start Free 5.370000000 GH:
10 10									Stop Free 5.46000000 GH
		×	#VB	W 100 Hz V 452.099 dB		INCTION FU	Sweep	Stop 5.46000 GHz 702 ms (1001 pts) RINCTION VALUE	CF Step 9.000000 MH Auto Mar
		5.4601		-62.099 dB					Freq Offse 0 H
									L

Antenna A

	DC .	3962.4/1	AUCN OFF	09:07:10 PM May 23, 2014	Frequency
center Freq 5.41500	PNO: Fast • IFGain:Low	Trig: Free Run	#Avg Type: RMS Avg Hold: 100/100	TYPE DET P N N V KI	Frequency
Ref Offset 13 0 dB/div Ref 0.00 dl	8 dB		Mki	1 5.460 00 GHz -51.793 dBm	Auto Tune
					Center Free 5.415000000 GH
00) 100 100				1	Start Free 5.370000000 GH
πά μų φο					Stop Fre 5.46000000 GH
tart 5.37000 GHz Res BW 1.0 MHz	#VB	W 100 Hz	Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	CF Step 9.000000 MH
AKA MODE TRC SOL	× 5.460 00 GHz	4 PU -51.793 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
2 3 3 4 5 6					Freq Offse 0 H
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					

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 Fi		5000000	CHz PNO: Fast - IFGain:Low	-	Run		Type: RMS fold: 100/100	TRA	M May 23, 2014 CE	Frequency
dB/div	Ref Offse Ref 0.00						Mkr		00 GHz 15 dBm	Auto Tune
αό Ω0 Ωό										Center Fred 5.415000000 GH
0.0 200 200									51.0 000	Start Free 5.370000000 GH
100 100 100									1600 000	Stop Fre 5,46000000 GH
tart 5.37 Res BW	000 GHz 1.0 MHz		#VB	W 100 Hz			Sweep	Stop 5.4 702 ms	6000 GHz (1001 pts)	CF Ster 9.000000 MH
KR MODE TR		× 5.46	0 00 GHz	√ -50.315 dB		NCTION	FUNCTION WOTH	FUNCTION	ON VALUE	Auto Ma
23466										Freq Offse
7 8 9 0										
2							STATU		_	4

Antenna A

Center Fi	req 5.415000	DOOD GHz PNO: Fast • IFGainLow	Trig: Free Run #Atten: 4 dB	#Av	Type: RMS Hold: 100/100	08:39:11 PM May 23, TRACE D 2 TYPE DET P MIN	Frequency
0 dB/div	Ref Offset 13.8 Ref 0.00 dB	l dB m			Mkr	1 5.460 00 G -49.896 d	Auto Tune
00 1000 3000							Center Free 5.415000000 GH
404) (604) 604						424	Start Free 5.370000000 GH:
πέ ωύ αυ							Stop Free 5.46000000 GH
Start 5.37 #Res BW		#VB	W 100 Hz		Sweep	Stop 5.46000 G 702 ms (1001 p	HZ CE Ptor
MKR MODE TH		× 5,460 00 GHz	49.896 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
23456							Freq Offse 0 H
7 8 9 10							
12				_	STATL	3	

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







	req 5.41500			#Avg Type: RMS Avg Held: 100/100	11/33/13 PM May 23, 2014 PRACE 1234 TYPE MUNICIPAL OF TYPE MUNICIPAL OF PAIN 1/100	Frequency
0 dB/div	Ref Offset 13.8 Ref 0.00 dB			Mk	r1 5.460 00 GHz -57.556 dBm	Auto Tun
1000						Center Fre 5.415000000 GH
80.)1===== 50.21==== 60.01====					-1	Start Fre 5.370000000 GH
πό ωύ φοί						Stop Fre 5,460000000 GH
Start 5.37 Res BW	000 GHz 1.0 MHz	#VB	W 100 Hz	Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	CF Ste 9.000000 MH
AKR MODE TH		× 5,460 00 GHz	-57.556 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
23456						Freq Offs 0 H
7 8 9 10						
12 111 1 1				STATI		4

Antenna C

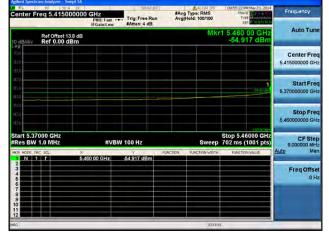


enter F	req 5.4150		Trig: Free Rur #Atten: 4 dB	#Ave	Type: RMS Hold: 100/100	11:40:12 PM May 23, 2014 TRACE 2 2 4 8 TYPE Det P NUMBER 1	Frequency
0 dB/div	Ref Offset 13 Ref 0.00 d	3.8 dB Brn			Mkr	2 5.439 93 GHz -60.375 dBm	Auto Tune
							Center Freq 5.415000000 GHz
					X	S D M	Start Freq 5.370000000 GHz
00 00 00							Stop Free 5.460000000 GH:
	000 GHz 1.0 MHz	#VB	W 100 Hz		Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	9.000000 MHz
		× 5.460 00 GHz	-57.315 dBm	FUNCTION	FUNCTION WOTH	FUNCTION VALUE	Auto Man
2 N 1 3 4 5 6 7 8		5.439 93 GHz	-60.375 dBm				Freq Offset 0 Hz
9 10 11 12							

Antenna D

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







	eq 5.41500000		and and	#Avg Type: RMS Avg Held: 100/100	10:09:23 PM May 23, 2014 TRACE 2 2 3 4 TYPE MUSEUMON DET P / IN N 11 1	Frequency
dB/dív	Ref Offset 13.8 dB Ref 0.00 dBm			Mk	r1 5.460 00 GHz -54,598 dBm	Auto Tun
0 0 0						Center Fre 5.415000000 GH
0 =					1 Stream	Start Fre 5.370000000 GH
ė 1						Stop Fre 5.46000000 GP
es BW	000 GHz 1.0 MHz	#VB	V 100 Hz	Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	CF Ste
NODE TRO		460 00 GHz	-54,598 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mi
						Freq Offs
	t-1			STAT		-

Antenna C



enter F		000000 G	NO: Fast	Trig: Free Ru #Atten: 4 dB	#Ave	Type: RMS Hold: 100/100	10:16:23 PM May 23, 201 TRACE 2 2 4 TYPE M DET P 1110 1	Frequency
dB/div	Ref Offset Ref 0.00	13.8 dB dBm				Mkr	1 5.460 00 GH: -54.321 dBm	
2g 10 10								Center Free 5.415000000 GHz
							420	Start Fred 5.370000000 GH
0.0 0.0 0.0								Stop Free 5.46000000 GH:
	7000 GHz 1.0 MHz		#VBW	100 Hz		Sweep	Stop 5.46000 GH 702 ms (1001 pts	9.000000 MH
R MODE TH		× 5.460 0	0 GHz	-54.321 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION WALLE	Auto Mai
3466789901								Freq Offse 0 H

Antenna D

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







Center Freq 5.415000	000 GHz	rig: Free Run Atten: 4 dB	#Avg Type: RMS Avg[Hold: 100/100	09:41/24 PM May 23, 2014 TRACE 2 2 4 4 TYPE MUNICIPAL DET P N/N/N/14	Frequency
Ref Offset 13.8 Ref 0.00 dBn	dB N		Mkr	1 5.460 00 GHz -53.451 dBm	Auto Tune
100 100					Center Fred 5.415000000 GH:
40.) 60.0 60.0					Start Free 5.370000000 GH
ກຍຸ່ ຜູຍູ່ ອຍູ					Stop Free 5.46000000 GH
Start 5.37000 GHz #Res BW 1.0 MHz MLR MODE TRC SQ.	#VBW 10	Y R	Sweep	Stop 5.46000 GHz 702 ms (1001 pts)	CF Step 9.000000 MH Auto Mar
1 N 1 7 2 3 4 4 5 5 6 7 7 8	5,460 00 GHz 53	.451 dBm			Freq Offse 0 H:

Antenna C



enter Fi	eq 5.4150	00000 GHz PNO: Fast IFGain:Low	Trig: Free Run #Atten: 4 dB		Type: RMS Hold: 100/100	DR46:22 PM May 23, 201 TRACE 2 4 TYPE MONOTO DET P N N N N	Frequency
dB/div	Ref Offset 13 Ref 0.00 d	1.8 dB Brm			Mkr	1 5.460 00 GHa -53.018 dBm	
10 10 10							Center Freq 5.415000000 GHz
						-13/7+01	Start Freq 5.370000000 GHz
10 10 10							Stop Freq 5.460000000 GHz
	000 GHz 1.0 MHz	#VB	W 100 Hz		Sweep	Stop 5.46000 GH 702 ms (1001 pts	9.000000 MHz
R MODE TR		× 5.460 00 GHz	-53.018 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Man
							Freq Offset 0 Hz

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 5.415	000000 GH:	O: Fast -		#Avg Avgit	Type: RMS lold: 100/100	TRAC	May 23, 2014	Frequency
dB/div	Ref Offset Ref 0.00					Mk	1 5.460 -50.31	00 GHz 15 dBm	Auto Tune
10 10 10									Center Freq 5.415000000 GHz
a.o a.o a.o								50.D av	Start Freq 5.370000000 GHz
6.9 1 () 1 ()								interior	Stop Freq 5,46000000 GHz
	7000 GHz 1.0 MHz		#VB	W 100 Hz		Sweep	Stop 5.46 702 ms (1	000 GHz	CF Step 9.000000 MHz
R MODE T		× 5.460 00	GHz	V -50.315 di	INCTION	FUNCTION WOTH	FUNCTION	VALUE	Auto Man
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2									Freq Offset 0 Hz

Antenna A

AL I	RF 30 D DC		38/2.1		ALION OFF	08:39:11 PM May 23, 2014	Frequency
enter F	reg 5.4150000	PNO: Fast	Trig: Free Run #Atten: 4 dB	#Avg T Avg He	ype: RMS old: 100/100	TYPE DET P ANNULU	Frequency
0 dB/div	Ref Offset 13.8 di Ref 0.00 dBm				Mk	1 5.460 00 GHz -49.896 dBm	Auto Tuni
	ی <u>احمد او</u> 1) احمد او 11 احمد او						Center Free 5.415000000 GH
m) :						dation	Start Free 5.370000000 GH
nė. Dų						termain	Stop Fre 5.460000000 GH
	7000 GHz 1.0 MHz	#VB	W 100 Hz		Sweep	Stop 5.46000 GHz	CF Ste 9.000000 MH
KA MODE T		× 5.460 00 GHz	49.896 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
23456							Freq Offse 0 H
7 8 9 0							
2					STATU		-

Antenna C

Antenna B

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







	req 5.415	0000000 GHz PNO: Fast IFGain:Low	Trig: Free Rur #Atten: 4 dB	#Avg Type: RM	S TRACE DECK	Frequency
dB/div	Ref Offset Ref 0.00				Mkr1 5.460 00 GH -51.793 dB	Auto Tune
						Center Free 5.415000000 GH
n.) n.i nli						Start Fre 5.370000000 GH
000						Stop Fre 5.46000000 GH
	000 GHz 1.0 MHz	#VI	3W 100 Hz	Sw	Stop 5.46000 Gi eep 702 ms (1001 pi	S) 9.000000 MH
A MODE TH		× 5,460 00 GHz	-51.793 dBm	FUNCTION FUNCTION	WIDTH FUNCTION VALUE	Auto Ma
23456						Freq Offse 0 H
7 8 9 0 1 2						
a					STATUS	

Antenna C



Ref Offset 13 all B INICT 5.490 UU GHz 0.06 Bidiv -61 298 dBm 0.07 Bidiv -61 298 dBm 0.08 Bidiv -61 298 dBm 0.00 GHz -62 Bidiv 0.00 GHz -72 Bidiv 0.00 GHz -75 Bidiv 0.00 GHz -75 Bidiv 0.00 GHz -75 Bididv	Center F	req 5.41500		Trig: Free Rur #Atten: 4 dB	#Ave	Type: RMS Hold: 100/100	DR:14:00 FM May 23, 201 TRACE 2 4 TYPE M	Frequency	
100 Center F 101 5.1000000 101 5.1000000 101 5.10000000 101 5.10000000 101 5.100000000 101 5.100000000 101 5.100000000 101 5.100000000 101 5.100000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.460000000 101 5.46000000000000000000000000000000000000	0 dB/div	Ref Offset 13 Ref 0.00 d	.8 dB Bm			Mkr	1 5.460 00 GH: -51.298 dBn	Auto Tune	
Start F Start F 30 5370000000 30 5370000000 31 \$VEW 100 Hz \$VEW 100 Hz \$Weep 702 ms (1001 pts) 53000000 CFS 5000000 CFS 500000 CFS 51296 GBm Factorio walle 6 CFS 6 CFS 7 546000 GHz 51298 GBm Factorio walle 6 CFS 7 546000 GHz 6 CFS 7 546000 GHz </th <th>110 120</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Center Freq 5.415000000 GHz</th>	110 120							Center Freq 5.415000000 GHz	
Top Stop F StopF StopF StopF	10.0 11.0						1 1 1 1 1 1 1 1	Start Freq 5.370000000 GHz	
tant 5.37000 GHz Stop 5.46000 GHz Stop 5.4600 GHz Stop 5.460 GHz								Stop Freq 5.46000000 GHz	
N T F S.460.00.0Hz -S1.298.dBm Double Double <thdouble< th=""> <thdouble< th=""></thdouble<></thdouble<>			#VB	SW 100 Hz		Sweep	Stop 5.46000 GH	9.000000 MHz	
3 5 6 7	1 N				FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Man	
	3 4 6 6 7 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							Freq Offset 0 Hz	

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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