

Agilent Spectrum Analyzer - Swept	SA				
XX RL RF 50 Ω A Center Freq 5.510000	AC 000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	10:19:43 AM Mar 01, 2012 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 20.00 dB	PNO: Fast G	Atten: 30 dB	Mkr	2 5.490 55 GHz -27.47 dBm	Auto Tune
10.0 0.00 -10.0	monumenter	manyunah	- Munter when when	many	Center Freq 5.510000000 GHz
-20.0 -30.0 -40.0				-26.82 dBm	Start Freq 5.485000000 GHz
-50.0					Stop Freq 5.535000000 GHz
Center 5.51000 GHz #Res BW 300 kHz	#VBW	1.0 MHz	#Sweep	Span 50.00 MHz 500 ms (1001 pts) FUNCTION VALUE	CF Step 5.000000 MHz <u>Auto</u> Man
1 N 1 f 2 N 1 f 3 N 1 f 4 - - 5 - - 6 - -	5.603 25 GHz 5.490 55 GHz 5.529 45 GHz	-0.82 dBm -27.47 dBm -27.46 dBm			Freq Offset 0 Hz
7 8 9 10 11 12					
MSG			STATUS		

Channel 102 – Chain A

Channel 110 – Chain A

	gilent	Spect	rum	Analyzer - Swept S	54						Not		
⊯ Ce	nter	Fre	50 s 9	5.55000000	0 GHz	AC	SEN	SE:INT	Avg T	ALIGNAUTO /pe: Log-Pwr	04:24:14 F	M Jun 20, 2012	Frequency
10	dBidin		Rei	Input: RF	PNO: Fas IFGain:Lo	st 🖵 ow	#Atten: 30	dB		Mk	r2 5.53	0 5 GHz	Auto Tune
Log 10. 0.0				20.00 4811	J. May	mannen	whener		mm	7			Center Freq 5.550000000 GHz
-20. -30. -40.		-AN	Argac	man	2-					13	the million of the	-27.53 dBm	Start Freq 5.500000000 GHz
-50. -60. -70.	0 0												Stop Fred 5.60000000 GHz
Ce #R MK	nter es B MODE	5.54 W 3	500 00 500	0 GHz kHz	# ¹ 5.552 4 GHz	VBW [/]	1.0 MHz Y -1.53 dB	Film	JNCTION	Sweep	Span 1 1.07 ms (00.0 MHz 1001 pts) IN VALUE	CF Step 10.000000 MHz <u>Auto</u> Man
2 3 4 5 6	N	1	f		5.530 5 GHz 5.569 5 GHz	z	-29.55 dB -28.90 dB	m m					Freq Offsel 0 Hz
7 8 9 10 11													
MSG		L								STATUS	;		

Agile	nt Spe	ctrur	n Ana	alyzer - Swe	ept SA								
Cei	nter	Fre	RF Pq	50 Ω 5.6700	AC 00000 G	Hz	SE Tuini Fue	INSE:INT	Avg T _i	ALIGNAUTO /pe: Log-Pwr	10:29:42 / TRA	M Mar 01, 2012	Frequency
10 c	B/div	,	Ref	- 20.00 c	P IFO	NO: Fast (Gain:Low	Atten: 30) dB		Mkr	2 5.650 -26.	65 GHz 08 dBm	Auto Tune
10.0 0.00)			, m	v	- A	1	mar	e	- more and the	m		Center Freq 5.670000000 GHz
-20.0 -30.0 -40.0		وسيلام ا		2							×	3 -25.82 dBm	Start Freq 5.645000000 GHz
-50.0 -60.0 -70.0													Stop Freq 5.695000000 GHz
Cei #Re	nter : es Bl	5.67 N 3	700 00	0 GHz kHz	~	#VB	W 1.0 MHz			#Sweep	Span 5 500 ms (0.00 MHz 1001 pts)	CF Step 5.000000 MHz
1	N N	1	f		5.663 1 5.650 6	5 GHz 5 GHz	0.18 d -26.08 d	Bm Bm	onenon		Toneri	ONTRACOL	
3 4 5 6	_N	1	f		5.689 4	5 GHz	-26.35 d	Bm					Freq Offset 0 Hz
7 8 9 10													
11 12 MSG										STATUS			

Channel 134 – Chain A

Channel 38 – Chain B

Agilent Spectrum	Analyzer - Swept SA		-	48				
UXI RL	RF 50 Ω AC		SENSE	INT	ALIGN AUTO	09:04:24 A	M Mar 01, 2012	Frequency
Center Fre	q 5.19000000) GHZ	Trig: Free Ru	un Avg	Type: Log-Pwr	TY	~ 123456 ~ M WWWW	
		IFGain:Low	Atten: 30 dB	l.		DI	T P N N N N N	
					Mkr	2 5.170	60 GHz	Auto Tune
10 dB/div	Ref 20.00 dBm					-26.3	34 dBm	
10.0								
0.00				$\langle \rangle$				Center Freq
0.00	many	mander	money m	manutum	mound	horn		5.190000000 GHz
-10.0			¥.				2	
-20.0	♦ ²						-26.04 dBm	Start From
-30.0						1	Warmer over	5 16500000 CH7
-40.0	-							5.10500000 GHZ
-50.0								
-60.0								Stop Freq
-70.0								5.215000000 GHz
10.0								
Center 5.19	000 GHz	1612 International Connection of State			177 U	Span 5	0.00 MHz	
#Res BW 3	00 kHz	#VBW	1.0 MHz		#Sweep	500 ms (1001 pts)	CF Step
MKR MODE TRC	SCL X		Y	FUNCTION	FUNCTION WIDTH	FUNCTIO	IN VALUE	Auto Man
1 N 1	f 5.1	93 10 GHz	-0.04 dBm	Í				
2 N 1 3 N 1	f 5.1	70 60 GHz	-26.34 dBm -26.17 dBm		-			
4		00 00 0112	20.11 0211					Freq Offset
5					-			0 Hz
7								
8								
10								
11								
	ant Completed	1.			CTATIN	,		
Alignm	ent Completed				STATUS			



Agile	nt Spe	ctrur	n An	alyzer - Swe	ept SA										
uxi ⊧ Cer	nter	Fre	RF P	50 Ω 5.2300	AC 00000 G	Hz		SEI	NSE:INT	1	Avg Type	ALIGNAUTO : Log-Pwr	09:17:02 A	M Mar 01, 2012	Frequency
					P IF(NO: Fast Gain:Low	ц.	Atten: 30	dB			Mkr	DI D	95 GHz	Auto Tune
10 0	B/div	,	Ref	20.00 c	IBm								-23.:	25 dBm	
10.0 0.00)			Alenn	wanter	لأستحصو	A1	many	Intone	where we	mm	and same	maring		Center Freq 5.230000000 GHz
-10.0 -20.0 -30.0 -40.0		and the set	-	2									- V	3 -22.64 dBm	Start Freq 5.205000000 GHz
-50.0 -60.0 -70.0															Stop Freq 5.25500000 GHz
Cer #Re	nter es Bl	5.2: W 3	300 00	0 GHz kHz		#VI	BW 1	I.0 MHz				#Sweep	Span 5 500 ms (0.00 MHz 1001 pts)	CF Step 5.000000 MHz
MKR 4	MODE	TRC	SCL		×	E CHR		7 26 di	2 m	FUNCTIO	IN FU	NCTION WIDTH	FUNCTIO	IN VALUE	<u>Auto</u> Man
2 3 4 5 6	N N	1	f		5.223 7 5.210 9 5.249 3	5 GHz 5 GHz 0 GHz		-23.25 df -22.72 df	3m 3m 3m						Freq Offset 0 Hz
7 8 9 10 11 12															
MSG												STATUS			

Channel 46 – Chain B

Channel 54 – Chain B

Agilent Spect	rum Analyz	er - Swept SA								
Center F	RF req 5.2	50 Ω AC 270000000 G	Hz	SEI		Avg Ty	ALIGNAUTO pe: Log-Pwr	09:37:58 A TRAC TY	M Mar 01, 2012	Frequency
10 dB/div	Ref 2	ہے ۱۴ 0.00 dBm	NO: Fast ∟ Gain:Low	Atten: 30	dB		Mkr	2 5.251 -22.4	05 GHz 44 dBm	Auto Tune
Log 10.0 0.00 -10.0		man promotion of	-	1 Allowing	Lawrence	- phane	mm		3	Center Freq 5.270000000 GHz
-20.0 -30.0 -40.0	~							Y	22.39 dBm	Start Freq 5.245000000 GHz
-50.0 -60.0 -70.0										Stop Freq 5.295000000 GHz
Center 5. #Res BW	27000 C 300 kH	SHz z 5 265 7	#VBV	N 1.0 MHz	FUR	ICTION	#Sweep	Span 5 500 ms (0.00 MHz 1001 pts) NVALUE	CF Step 5.000000 MHz <u>Auto</u> Man
2 N 1 3 N 1 4 5 6 7 8 9 10 11	f	5.289 2 5.289 2	15 GHz 15 GHz	-22.44 df -22.68 df	Bm Bm Bm					Freq Offset 0 Hz
12 MSG							STATUS			

Agilent Spectr	um Analyzer - Si	wept SA		02				
Center Fi	RF 50 req 5.310	Ω AC 000000 GHz	SENSE:	INT Avg	ALIGN AUTO	09:44:35 / TRAI	M Mar 01, 2012	Frequency
10 dB/div	Ref 20.00	PNO: Fast IFGain:Low	Atten: 30 dB		Mkr	2 5.290 -25.	70 GHz 39 dBm	Auto Tune
10.0 0.00	merine	www. Manuto www. and	marray	21 -	ward Burn	mont		Center Freq 5.310000000 GHz
-20.0 -30.0	♦ ²						3 -25.30 dBm	Start Freq 5.285000000 GHz
-50.0 -60.0 -70.0								Stop Freq 5.335000000 GHz
Center 5.3 #Res BW	31000 GHz 300 kHz	#VI	BW 1.0 MHz	FUNCTION	#Sweep	Span 5 500 ms (0.00 MHz 1001 pts)	CF Step 5.000000 MHz Auto Man
1 N 1 2 N 1 3 N 1 4 5 6 6 7 7 8 9 10 11 10 11 12 12		5.313 15 GHz 5.290 70 GHz 5.329 55 GHz	0.70 dBm -25.39 dBm -25.69 dBm					Freq Offset 0 Hz
MSG					STATUS	5		

Channel 62 – Chain B

Channel 102 – Chain B

Agilent Spectrum Analyzer - S	wept SA						
LXI RL RF 50	Ω AC	SENSE:II	NT	ALIGN AUTO	10:37:06 A	M Mar 01, 2012	Erequency
Center Freq 5.510	000000 GHz	Trig: Free Run	Avg Typ	pe: Log-Pwr	TRAC	E 1 2 3 4 5 6 E M MANANAN	Trequency
	PNO: Fast C	Atten: 30 dB			DE	PNNNN	
				Mkr	2 5 400		Auto Tune
	19 <u>11</u>			IVINI	2 0.490		
10 dB/div Ref 20.00	dBm				-21.1		
10.0				_			Contor From
0.00			\Diamond	-			Center Freq
0.00	un anon valen in	many men	mon	warman			5.510000000 GHz
-10.0		Y			and the second		
-20.0						3	
30.0					<u> </u>	-27.04 dBm	Start Freq
- Solo Landon						Langener	5.485000000 GHz
-40.0		-					
-50.0							
-60.0							Stop Freq
70.0							5 535000000 GHz
-70.0							
Cepter 5 51000 CHz					Snan 5	0.00 MHz	
#Res BIA(300 kHz	#\/B			#Sween	500 ms (1001 nts)	CF Step
STEES BW SOO KITE				"Oncep	000 1115 (1001 pt3)	5.000000 MHz
MKR MODE TRC SCL	X	Y	FUNCTION	UNCTION WIDTH	FUNCTIO	IN VALUE	<u>Auto</u> Man
1 N 1 f	5.513 10 GHz	-1.04 dBm					
3 N 1 f	5.529 60 GHz	-28.28 dBm					
4							FreqOnsei
5							0 Hz
7							
8							
9							
10							
12							
MEC				CTATIO			
Mag				STATUS	'		

🗊 Agilent Spectrum Analyzer - Swept SA				
X RL 50 Ω Center Freq 5.550000000 GHz Input: BE PN0: Ea	AC SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	04:29:50 PM Jun 20, 2012 TRACE 1 2 3 4 5 6 TYPE MWWWW	Frequency
10 dB/div Ref 20.00 dBm	#Atten: 30 dB	Mk	r2 5.527 7 GHz -25.75 dBm	Auto Tune
	Attender to minister your own	warehow		Center Free 5.550000000 GH
-20.0 -20.0 -30.0 -40.0		harman harman	-21.69 dBm	Start Fre 5.500000000 GH
-50.0				Stop Fre 5.600000000 GH
Center 5.55000 GHz #Res BW 300 kHz #*	VBW 1.0 MHz	Sweep	Span 100.0 MHz 1.07 ms (1001 pts) FUNCTION VALUE	CF Ste 10.000000 M⊢ <u>Auto</u> Ma
1 N 1 f 5.3412 974 2 N 1 f 5.5691 GHz 3 N 1 f 5.5691 GHz 4 5 6 6	z -25.75 dBm z -22.59 dBm			Freq Offse 0 ⊢
7 8 9 10 11 12				
MSG		STATUS		I

Channel 110 – Chain B

Channel 134 – Chain B

Agilent Spectrum Analyzer - Swept SA							
M RL RF 50 Ω AC	00 GHz	SENSE:	Avg	ALIGNAUTO Type: Log-Pwr	10:46:25 A TRAC	M Mar 01, 2012	Frequency
10 dB/div Ref 20.00 dBm	PNO: Fast G	Atten: 30 dB	n 	Mkr	2 5.648 -32.1	15 GHz 01 dBm	Auto Tune
10.0 0.00 -10.0		warmany m	n 1	more for the	m		Center Freq 5.670000000 GHz
-20.0 -30.0 -40.0						3 -26.57 dBm	Start Freq 5.645000000 GHz
-50.0							Stop Freq 5.695000000 GHz
Center 5.67000 GHz #Res BW 300 kHz MXR MODE TRO SCL X 1 N 1 f 5.	#VBW	1.0 MHz -0.57 dBm	FUNCTION	#Sweep	Span 5 500 ms (0.00 MHz 1001 pts) IN VALUE	CF Step 5.000000 MHz <u>Auto</u> Man
2 N 1 f 5. 3 N 1 f 5. 4	.648 15 GHz .689 55 GHz	-32.01 dBm -27.84 dBm					Freq Offset 0 Hz
7 8 9 10 11 12							
MSG				STATUS	;		

4. Peak Power Spectral Density

4.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2012
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2012
Х	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr, 2012

Note:

- 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
- 2. The test instruments marked with "X" are used to measure the final test results.

4.2. Test Setup



4.3. Limits

- (4) For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
- (5) For the band 5.25-5.35 GHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
- (6) For the band 5.725-5.825 GHz, the peak power spectral density shall not exceed 17 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

4.4. Test Procedure

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

4.5. Uncertainty

± 1.27 dB

4.6. Test Result of Peak Power Spectral Density

Product	:	Tablet PC
Test Item	:	Peak Power Spectral Density
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit (802.11a-6Mbps)

Channel Number	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
36	5180	0.360	<4	Pass
44	5220	2.570	<4	Pass
48	5240	2.610	<4	Pass
52	5260	2.610	<11	Pass
60	5300	2.590	<11	Pass
64	5320	2.310	<11	Pass
100	5500	1.280	<11	Pass
116	5580	1.130	<11	Pass
140	5700	1.670	<11	Pass

Channel 36:

Agilent Spectrum Analyzer - Sw	rept SA			
Center Freq 5.1800	000000 GHz	E:INT ALIGNAUTO #Avg Type: Pwr(RM	COT:39:19 PM Feb 29, 2012 IS) TRACE 1 2 3 4 5 6 TYPE A LIABALIAN	Frequency
10 dB/div Ref 20.00 (PNO: Fast Grain:Low Atten: 30 d	Mk	r1 5.173 55 GHz 0.36 dBm	Auto Tune
10.0	1			Center Freq 5.180000000 GHz
-10.0				Start Freq 5.155000000 GHz
-20.0				Stop Freq 5.205000000 GHz
-40.0				CF Step 5.000000 MHz <u>Auto</u> Man
-60.0				Freq Offset 0 Hz
Center 5.18000 GHz #Res BW 1.0 MHz	#VBW 3.0 MHz	#Sweep	Span 50.00 MHz 50.0 ms (1001 pts)	



Channel 44:

Channel 48:

Agilent Spectrum Analyzer - Swe	ept SA				
K RL RF 50 Ω Center Freq 5.24000	AC 00000 GHz	SENSE:INT	ALIGNAUTO #Avg Type: Pwr(RMS	08:31:10 PM Feb 29, 2012 TRACE 1 2 3 4 5 6 TYPE A WARMANN	Frequency
10 dB/div Ref 20.00 d	IBm	Atten: 30 dB	Mkr1	5.233 250 GHz 2.61 dBm	Auto Tune
10.0	▲ ¹				Center Freq 5.240000000 GHz
-10.0					Start Freq 5.227500000 GHz
-20.0					Stop Freq 5.252500000 GHz
-40.0					CF Step 2.500000 MHz <u>Auto</u> Man
-60.0					Freq Offset 0 Hz
Center 5.24000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	#Sweep	Span 25.00 MHz 50.0 ms (1001 pts)	
MSG	16.05.02021-06.05		STATU	s	



Agilent Spectrum Analyzer - S	wept SA				
Center Freq 5.260	Ω AC 000000 GHz Tri	SENSE:INT #A	ALIGNAUTO	10:19:27 PM Feb 29, 201 TRACE 1 2 3 4 5 TYPE & MANAGEM	Frequency
10 dB/div Ref 20.00	IFGain:Low Att	en: 30 dB	Mkr1	5.253 425 GHz 2.61 dBn	Auto Tune
10.0	•				Center Freq 5.26000000 GHz
-10.0					Start Freq 5.247500000 GHz
-20.0					Stop Freq 5.272500000 GHz
-40.0					CF Step 2.500000 MHz <u>Auto</u> Man
-60.0					Freq Offset 0 Hz
Center 5.26000 GHz #Res BW 1.0 MHz	#VBW 3.0	MHz	#Sweep 5	Span 25.00 MHz 50.0 ms (1001 pts	5
MSG	Kondul (92,113) - 19(9)()		STATUS		

Channel 52:

Channel 60:

Agilent Spec	trum Analyzer - Swept S	A				
Center	RF 50 Ω AC)00 GHz	SENSE:INT	ALIGNAUTO #Avg Type: Pwr(RMS	10:24:07 PM Feb 29, 2012 TRACE 1 2 3 4 5 6	Frequency
10 dB/div	Ref 20.00 dBn	PNO: Fast 😱 IFGain:Low	⁷ Trig: Free Run Atten: 30 dB	Mkr1	5.306 550 GHz 2.59 dBm	Auto Tune
10.0				1		Center Freq 5.30000000 GHz
0.00 -10.0						Start Freq 5.287500000 GHz
-20.0						Stop Freq 5.312500000 GHz
-40.0						CF Step 2.500000 MHz <u>Auto</u> Man
-60.0						Freq Offset 0 Hz
Center 5	5.30000 GHz V 1.0 MHz	#VBW	3.0 MHz	#Sweep	Span 25.00 MHz 50.0 ms (1001 pts)	
MSG		1 C V ACCOMPANY		STATU	s	



Agilen	t Spectru	m Analyzer - Sw	ept SA						500 1		
Cen	ter Fr	eq 5.3200	AC 00000	GHz	 Trig: Free		#Avg Type	ALIGNAUTO E: Pwr(RMS	10:29:47 P TRAC	MFeb 29, 2012 E 1 2 3 4 5 6 E A MANAMAN	Frequency
10 de	3/div	Ref 20.00 (dBm	IFGain:Low	Atten: 30	dB		Mkr1	5.326 6 2.	00 GHz 31 dBm	Auto Tune
10.0											Center Freq 5.32000000 GHz
0.00 -10.0											Start Freq 5.307500000 GHz
-20.0 -30.0									1	and the second sec	Stop Freq 5.332500000 GHz
-40.0											CF Step 2.500000 MHz <u>Auto</u> Man
-60.0											Freq Offset 0 Hz
Cen #Re:	ter 5.3: s BW 1	2000 GHz .0 MHz		#VBW	3.0 MHz		4	≠Sweep	Span 2 50.0 ms (5.00 MHz 1001 pts)	
MSG								STATUS	5		

Channel 64:

Channel 100:

Agilent S	pectrum An	alyzer - Swept	t SA								
Conto	RF RF	50 Ω	AC OOOO C	20-7	SE	NSE:INT	#Ava Typ	ALIGNAUTO	10:44:18 F	MFeb 29, 2012	Frequency
10 dB/d	div Re	5.500000	3m	PNO: Fast 🕞 Gain:Low	J Trig: Free Atten: 30	e Run dB		Mkr1	۳۷ ۵ 5.506 5 1.	600 GHz 28 dBm	Auto Tune
10.0 -								● ¹			Center Freq 5.50000000 GHz
0.00 — -10.0 —											Start Freq 5.487500000 GHz
-20.0 — -30.0 —		/									Stop Freq 5.512500000 GHz
-40.0 —											CF Step 2.500000 MHz <u>Auto</u> Man
-60.0 —											Freq Offset 0 Hz
Cente	r 5.5000 BW 1.0 I	0 GHz VIHz		#VBW	/ 3.0 MHz			≠Sweep {	Span 2 50.0 ms (5.00 MHz 1001 pts)	
MSG								STATUS			



Agilent S	ipectrum Analyzer	- Swept SA							
Center	50 Ω Freq 5.580	000000 GH		SENSE:INT	#Avg Typ	e: Pwr(RMS)	03:40:33 F	M Jun 20, 2012 E 1 2 3 4 5 6	Frequency
10 dB/div	Ref 20.00	Input: RF PNI IFGa I dBm	0: Fast (L) Th ain:Low #A	tten: 30 dB		Mkr1	5.573 4 1.	75 GHz 13 dBm	Auto Tune
10.0		▲1							Center Fre 5.58000000 GH
0.00									Start Fre 5.567500000 GH
20.0							1		Stop Fre 5.592500000 GH
40.0									CF Ste 2.500000 MH <u>Auto</u> Ma
60.0									Freq Offs 0 H
70.0	5 58000 GHz						Snan 2	5.00 MHz	
#Res B	N 1.0 MHz		#VBW 3.0	MHz	14	#Sweep 5	0.0 ms (1001 pts)	

Channel 116:

Channel 140:

Agilen	t Spectru	m Analyzer - Swi	ept SA								
Cen	ter Fre	RF 50 Ω eq 5.7000	AC 00000 G	Hz	SE Trias Euro	NSE:INT	#Avg Type	ALIGNAUTO : Pwr(RMS)	11:01:33 P TRAC	MFeb 29, 2012 E 1 2 3 4 5 6	Frequency
10 dE	3/div	Ref 20.00 (₽ IF! JBm	NO: Fast (Gain:Low	Atten: 30	dB		Mkr1	5.693 7 1.	75 GHz 67 dBm	Auto Tune
10.0			↓ ¹								Center Freq 5.70000000 GHz
0.00 -10.0											Start Freq 5.687500000 GHz
-20.0 -30.0									1		Stop Freq 5.712500000 GHz
-40.0 -50.0											CF Step 2.500000 MHz Auto Man
-60.0											Freq Offset 0 Hz
-70.0 Cent	ter 5.70	0000 GHz		#VBW	3.0 MHz			#Sween #	Span 2	5.00 MHz	
MSG					0.0 11112		,	STATUS			

Product	:	Tablet PC
Test Item	:	Peak Power Spectral Density
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmit (802.11n-20BW 14.4Mbps)

Channel Number	Frequency (MHz)	Chain A Power (dBm)	nain A Chain B Chain 'ower Power Po dBm) (dBm) (dl		Required Limit (dBm)	Result
36	5180	(ubiii) 0.560	(uDiii)	(uDili) 3 526	<1	Pass
50	5100	0.500	0.470	5.520	~7	1 455
44	5220	-2.510	-2.560	0.475	<4	Pass
48	5240	-1.940	-2.690	0.711	<4	Pass
52	5260	2.290	1.180	4.781	<11	Pass
60	5300	2.210	1.040	4.675	<11	Pass
64	5320	1.690	0.410	4.107	<11	Pass
100	5500	1.040	0.310	3.701	<11	Pass
116	5580	-1.540	-0.950	1.775	<11	Pass
140	5700	1.250	0.800	4.041	<11	Pass

Note:

1. Measurement Level (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))

Agilent Spec	ctrum Ana	lyzer - Sw	ept SA								
XI RL	RF	50 Ω	AC		SEN	ISE:INT		ALIGNAUTO	11:46:51 P	4Feb 29, 2012	Frequency
Center	Freq	5.1800	00000	PNO: Fast IEGain: Low	Trig: Free Atten: 30	Run dB	#Avg Type	e: Pwr(RMS)	TYP DE	E A WWWWW T A N N N N N	
10 dB/div	Ref	20.00 (dBm					Mkr1	5.173 4 0.{	00 GHz 56 dBm	Auto Tune
											Center Freq
10.0			.▲1								5.180000000 GHz
-10.0		1									Start Freq 5.167500000 GHz
-20.0											
-30.0									1		Stop Freq 5.192500000 GHz
-40.0											CF Step 2.500000 MHz
-50.0											<u>Auto</u> Man
-60.0											Freq Offset 0 Hz
-70.0		÷				2					
Center 5 #Res BV	5.18000 N 1.0 N) GHz	<u> </u>	#VBW	3.0 MHz			#Sweep 5	Span 2: 0.0 ms (5.00 MHz	
MSG				<i>"</i>			,	STATUS			1

Channel 36 – Chain A

Channel 44 – Chain A



Apile	ent Spect	rum Analyzer	- Swept SA								
IXI RL		50 Ω			AC SEI	VSE:INT		ALIGN AUTO	01:08:45 F	M Apr 02, 2012	Erequency
		1	nput: RF	PNO: Fast 🕞 IFGain:Low	Trig: Free Atten: 30	Run dB	#Avg Type	e: Pwr(RMS	5) TRAC TYI DI	CE 1 2 3 4 5 6 PE A WWWWW ET A N N N N N	Trequency
10 dB	l/div	Ref 20.00	dBm		30 3			Mkr1	5.233 6 -1.	i00 GHz 94 dBm	Auto Tune
10.0			.1						~		Center Freq 5.240000000 GHz
0.00 -		-	• '								Start Freq 5.227500000 GHz
-20.0											Stop Freq 5.252500000 GHz
-40.0											CF Step 2.500000 MHz <u>Auto</u> Man
-60.0 -											Freq Offset 0 Hz
-70.0									0		
Cent #Res	er 5.24 8 BW 1	.0 MHz		#VBV	V 3.0 MHz		#	¢Sweep	Span 2 50.0 ms (5.00 MHz 1001 pts)	
MSG								STATU	S		

Channel 48 – Chain A

Channel 52 – Chain A

Agilen	t Spectru	m Analyzer - Sw	rept SA								
Cen	ter Fr	eq 5.2600	AC 000000 G	iHz	SE	NSE:INT	#Avg Type	ALIGNAUTO e: Pwr(RMS)	12:22:40 A TRAC	M Mar 01, 2012	Frequency
10 dE	3/div	Ref 20.00	ہ ۱F dBm	NO: Fast 🖵 Gain:Low	Atten: 30	dB		Mkr1	5.254 3 2.1	00 GHz 29 dBm	Auto Tune
10.0			↓ ¹								Center Freq 5.26000000 GHz
0.00 -10.0											Start Freq 5.247500000 GHz
-20.0 -30.0										and a state of the	Stop Freq 5.272500000 GHz
-40.0 -50.0											CF Step 2.500000 MHz <u>Auto</u> Man
-60.0											Freq Offset 0 Hz
-70.0 Cent	ter 5.2	6000 GHz		#VBW	3.0 MHz		#	#Sween #	Span 2 50.0 ms (5.00 MHz	
MSG				<i></i>				STATUS			

Agilent	t Spectru	n Analyzer -	Swept SA			- 10				
LXI RL	-	RF 5	JΩ AC		SENSE:INT	ALIGN	IAUTO	12:27:26 A	M Mar 01, 2012	Fraguianay
Cent	ter Fre	eq 5.300	000000	0 GHz		#Avg Type: Pw	r(RMS)	TRAC	E123456	Frequency
				PNO: Fast 😱	Atten: 20 dB			DE		
				IFGain:Low	Atten. 50 db		22 22			
						N	/kr1	5.305 4	25 GHz	Autorune
10 dE	3/div	Ref 20.0	0 dBm					2.2	21 dBm	
Log										
										Center Freq
10.0										5 30000000 GHz
						_ 1				0.000000000000
0.00						V		-		
0.00		1						1		Otort Eron
		1						1		StartFreq
-10.0			-			-				5.287500000 GHz
		1						1		
-20.0		1						1	<u> </u>	
	-								- marine	Stop Freq
										5.312500000 GHz
-30.0										
-40.0										CF Step
										2.500000 MHz
-50.0										<u>Auto</u> Man
										Fred Offeet
-60.0							1			i i eq oliset
										0 Hz
-70.0										
Cent	ter 5.3	0000 GHz	1					Span 2	5.00 MHz	
#Res	5 BW 1	.0 MHz		#VBW	3.0 MHz	#Sw	eep 🗄	50.0 ms (1001 pts)	
MSG							STATUS			

Channel 60 – Chain A

Channel 64 – Chain A

Agilent	Spectru	n Analyzer - Sw	rept SA									
Cent	er Fro	eq 5.3200	2 AC	GHz	SEI	NSE:INT	#Avg	AL Type: I	IGN AUTO Pwr(RMS)	12:33:23 A TRAC	M Mar 01, 2012 E 1 2 3 4 5 6	Frequency
10 dB/	/div	Ref 20.00	dBm	PNO: Fast 🖵 IFGain:Low	Atten: 30	dB			Mkr1	5.325 4 1.	25 GHz 69 dBm	Auto Tune
10.0 -					<u>.</u>				1			Center Freq 5.320000000 GHz
0.00 - -10.0 -		1								1		Start Freq 5.307500000 GHz
-20.0 -)		Stop Freq 5.332500000 GHz
-40.0 -												CF Step 2.500000 MHz <u>Auto</u> Man
-60.0 —								_				Freq Offset 0 Hz
-70.0 Cente #Res	er 5.3: BW 1	2000 GHz .0 MHz		#VBW	3.0 MHz			#S	weep :	Span 2 50.0 ms (5.00 MHz 1001 pts)	
MSG									STATUS			



Agilent Spectrum Analyzer - Swept SA				
XX RL RF 50 Ω AC Center Freq 5.500000000 GHz	SENSE:	INT ALIGNAUTO #Avg Type: Pwr(RMS)	01:43:23 AM Mar 01, 2012 TRACE 1 2 3 4 5 6 TYPE & MANAGAN	Frequency
PNO: F IFGain: 10 dB/div Ref 20.00 dBm	ast (L) Hig. Heerka Low Atten: 30 dB	Mkr1	5.505 475 GHz 1.04 dBm	Auto Tune
10.0		▲ ¹		Center Freq 5.50000000 GHz
-10.0		_		Start Freq 5.487500000 GHz
-20.0				Stop Freq 5.512500000 GHz
-40.0				CF Step 2.500000 MHz <u>Auto</u> Man
-60.0				Freq Offset 0 Hz
-70.0 Center 5.50000 GHz			Span 25.00 MHz	
#Res BW 1.0 MHz	#VBW 3.0 MHz	#Sweep 5	50.0 ms (1001 pts)	

Channel 100 – Chain A

Channel 116 – Chain A



Agilen	it Spectrum A	nalyzer - Swept SA	an an	110					
LXI RI	L R	F 50 Ω AC		SENSE	INT	ALIGN AUTO	02:19:42 A	M Mar 01, 2012	Frequency
Cen	ter Freq	5.7000000	0 GHz		#Avg T	ype: Pwr(RMS	TRAC	E123456	riequency
			PNO: Fast 😱	Atton: 30 dB	un I		DE	ANNNN	
			IFGain:Low	Atten. 50 db		0000			
						Mkr1	5.694 5	75 GHz	Auto Tune
10 dE	B/div Re	ef 20.00 dBm					1.:	25 dBm	
Log									
									Center Fred
10.0									Centerrieq
10.0									5.700000000 GHz
			l ∎ l						
0.00							-		
									Start Freg
									5 697500000 CH7
-10.0		1					1		5.087500000 GHZ
		/					1		
-20.0)		
							-		Stop Freq
									5.712500000 GHz
-30.0									
-40.0									CF Step
10.0									2.500000 MHz
									Auto Man
-50.0									
60.0									Freq Offset
-00.0									0.11-
									0 112
-70.0									
Cen	ter 5.700	00 GHz					Span 2	5.00 MHz	
#Re	s BW 10	MH7	#VBM	3.0 MHz		#Sween	500 ms (1001 nts)	
"110.		111112	# V DVV	0.0 11112		"ewcep	••• mə (1001 pt3)	
MSG						STATUS			
-									

Channel 140 – Chain A





D Agil	ent Spectrum Analyzer	Swept SA				91		
LXI RL	50 Ω		AC	SENSE:INT	ALIGN AUTO #Avg Type: Pwr(RM	01:10:18 P	M Apr 02, 2012	Frequency
40 45	li Nation - Dof 20.00	nput: RF PN(IFGa): Fast () ' in:Low /	Atten: 30 dB	Mkr	□ 1 5.213 7 -2 5	50 GHz	Auto Tune
10 dE Log		. 1						Center Freq 5.220000000 GHz
0.00 ·		♦ '						Start Freq 5.207500000 GHz
-20.0 -30.0								Stop Freq 5.232500000 GHz
-40.0								CF Step 2.500000 MHz <u>Auto</u> Man
-60.0								Freq Offset 0 Hz
Cent #Res	ter 5.22000 GHz ≽ BW 1.0 MHz		#VBW 3.	0 MHz	#Sweep	Span 2: 50.0 ms (1	5.00 MHz 1001 pts)	

Channel 44 – Chain B

Channel 48 – Chain B



Agilent	t Spectrum An	alyzer - Swept SA	2							
LXI RL	RF	50 Ω AC		SEN	SE:INT	#0	ALIGN AUTO	12:52:39 A	M Mar 01, 2012	Frequency
Cen	ter Freq	5.26000000	0 GHZ	Trig: Free	Run	#Avg Type	: Pwr(RMS)	TYP	E A WWWWW	
			IFGain:Low	Atten: 30	dB			DE	ANNNN	
							Mkr1	5 254 3	50 GHz	Auto Tune
40.15	nu De	5 00 00 dBm						0.2040	18 dBm	
Log	sialv Re	20.00 dBm								
1.00										Contor From
10.0										CenterFreq
10.0			•1							5.260000000 GHz
			♦ 'ı							
0.00		1	-					-		
		1								Start Freq
-10.0		/								5.247500000 GHz
								1		
.20.0								1		
20.0	1									Stop Freq
									-	5.272500000 GHz
-30.0										
-40.0						-			-	CF Step
										2.500000 MHz
-50.0										<u>Auto</u> Man
0.2969										
										Fred Offset
-6U.U		8								
										0 112
-70.0										
Cent	ter 5.2600	UGHZ	223 CB			90 •		Span 2	5.00 MHz	
#Res	S BW 1.01	VIHZ	#VBW	3.0 MHz		#	sweep :	50.0 ms (1001 pts)	
MSG							STATUS			
#Res	s BW 1.0 I	WHz	#VBW	3.0 MHz		#	Sweep	50.0 ms (1001 pts)	

Channel 52 – Chain B

Channel 60 – Chain B





Agilent	Spectrum A	nalyzer - Sw	ept SA				-00		100		
LXI RL	F	F 50 Ω	AC		SEN	SE:INT	A	LIGN AUTO	01:25:07 A	M Mar 01, 2012	Fraguanay
Cent	ter Freq	5.3200	00000	GHz		_	#Avg Type:	Pwr(RMS) TRAC	E123456	Frequency
				PNO: Fast 😱	Atton: 30	Run			DE		
				IFGain:Low	Auen. ou i					202 2222	
								Mkr1	5.325 2	00 GHz	Auto Tunc
10 dE	l/div Re	ef 20.00 (dBm						0.4	41 dBm	
											Center Freq
10.0								28			5.320000000 GHz
								1			
0.00		-									
		1							1		Start Freq
-10.0			_								5.307500000 GHz
20.40		1									
20.0		/									
-20.0]										Stop Freq
	1										5 332500000 GHz
-30.0										and and a second	
-40.0							+				CF Step
											2.500000 MHz
-50.0											<u>Auto</u> Man
-30.0											
											Fred Offset
-6U.U P											i i cq olisci
											0 Hz
-70.0											
									0		
cent	er 5.320			43 (D)M	0 0 MIL-				Span 2		
#Res	BW 1.0			#VBW	3.0 IVINZ		#	sweep	50.0 ms (roor pis)	
MSG								STATUS	5		

Channel 64 – Chain B

Channel 100 – Chain B

LXI RL	RE	100 A 44								
Cen	ter Freq 5	5000000	000 GHz	SE Tria: Ero		#Avg Type	ALIGNAUTO	02:55:09 A	M Mar 01, 2012	Frequency
10 dE	8/div Ref (20.00 dBn	PNO: Fast C IFGain:Low	Atten: 30	dB		Mkr1	5.506 4 0.3	75 GHz 31 dBm	Auto Tune
10.0							▲1			Center Freq 5.50000000 GHz
0.00 -10.0										Start Freq 5.487500000 GHz
-20.0 -30.0									hanne	Stop Freq 5.512500000 GHz
-40.0 -50.0										CF Step 2.500000 MHz <u>Auto</u> Man
-60.0										Freq Offset 0 Hz
Cent #Res	er 5.50000 8 BW 1.0 M	GHz Hz	#VB	W 3.0 MHz		#	≠Sweep	Span 2 50.0 ms (5.00 MHz 1001 pts)	



M Agiler	t Spectrum /	nalvzer - Sv	went SA								
Cente	50 ລ er Freq	5.58000	0000 GH	lz A		VSE:INT	#Avg Type	ALIGNAUTO Pwr(RMS	03:53:45 P	M Jun 20, 2012 E 1 2 3 4 5 6	Frequency
		Inpi	ut:RF PN IFG	0: Fast 😱 ain:Low	#Atten: 30	Run IdB		Mkr1	5.573 9	75 GHz	Auto Tune
10 dB/d	div Ref	20.00 d	Bm				12. 33		-0.9	95 dBm	
10.0 —											Center Freq 5.58000000 GHz
0.00			≬ 1								
-10.0		1									Start Freq 5.567500000 GHz
-20.0 —	/										
-30.0 —											Stop Freq 5.592500000 GHz
-40.0										1	CF Step
-50.0 —											2.500000 MHz <u>Auto</u> Man
-60.0 —											Freq Offset
-70.0 —											0 Hz
∟ Cente #Res	r 5.58000 BW 1.0 N) GHz 1Hz		#VBW	3.0 MHz		#	¢Sweep	Span 2 50.0 ms (5.00 MHz 1001 pts)	
MSG								STATUS	5		

Channel 116 – Chain B

Channel 140 – Chain B

