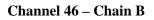
	1134 = Chann A			
			ctrum Analyzer - Swept SA	
AC SENSE:INT ALIGN AUTO 11:04:24PM Aug 16, 2011 #Avg Type: Pwr(RMS) TRACE 12 3 4 5 6 Frequency	#Avg Type: Pwr(RMS)		50 Ω	XI RL
#Atten: 30 dB	1B	PNO: Fast Trig: Free IFGain:Low #Atten: 30	Input: RF	
Mkr1 5.665 15 GHz -2.52 dBm	Mkr1 5		Ref 20.00 dBm	10 dB/div
Center Free				-
5.67000000 GH				10.0
1 Start Free	all hours and the set and the set		Mar all and a second and a second and a second and a second a se	0.00
5.645000000 GH	1 a fall we are an anna an anna an	and an an arranged	At the apple where the	-10.0
				-20.0
5.69500000 GH			1	-30.0
			d-upla	mant
CF Stel 5.000000 MH				40.0
Auto Mai				50.0
Freq Offse				60.0
ОН				70.0
Span 50.00 MHz BW 1.0 MHz #Sweep 500 ms (1001 pts)	#Sweep 50	#VBW 1.0 MHz	67000 GHz 1.0 MHz	Center 5.6 #Res BW
STATUS			na porte a del provincio de l'Al 2017 Del 201	ISG

Channel 134 – Chain A

		Channel 30			
DAgilent Spectrum Analyzer -	Swept SA				
02/ RL 50 Ω Center Freq 5.1900 Ιπ	put: RF PNO: Fast 😱] Trig: Free Run	ALIGN AUTO #Avg Type: Pwr(RMS	01:53:51 PM Aug 17, 2011 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET S N N N N	Frequency
10 dB/div Ref 20.00	IFGain:Low	#Atten: 30 dB	Mkr	1 5.177 80 GHz -4.10 dBm	Auto Tune
10.0					Center Freq 5.190000000 GHz
-10.0	1 Power the state of the state	ALOSHANNY LAND	rdrawstalling and an and	market and a local	Start Freq 5.165000000 GHz
-20.0					Stop Freq 5.215000000 GHz
-40.0 Holy Manual				h harana	CF Step 5.000000 MHz <u>Auto</u> Man
-60.0					Freq Offset
-70.0					
Center 5.19000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	#Sweep	Span 50.00 MHz 500 ms (1001 pts)	
🛃 start 🔰 🤨 🛤 🤗	D Agilent Spectrum Ana				🔇 💐 🕘 🔎 1:53 PM

Channel 38 – Chain B

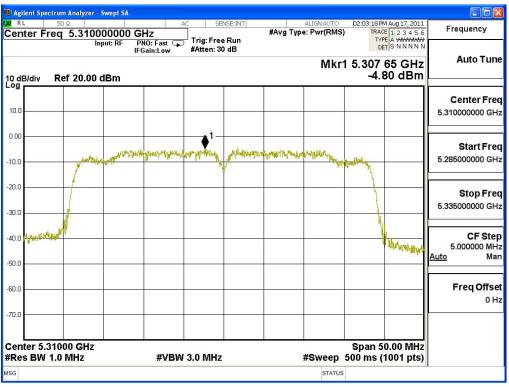


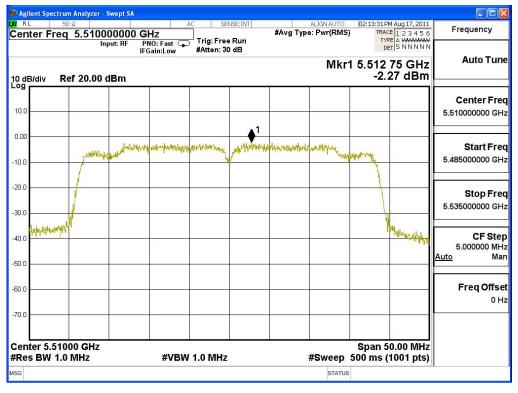


🛙 Agilent Spectrum Analyzer - S	wept SA			
RL 50 Ω Center Freq 5.27000	00000 GHz ut: BE PNO: East Trig: Free			Frequency
0 dB/div Ref 20.00 d	IFGain:Low #Atten: 30		r1 5.271 65 GHz -3.28 dBm	Auto Tun
og 10.0				Center Fre 5.270000000 GH
0.00	wat the of the provide the second second	har a special processing and the second second second	en un all the	Start Fre 5.245000000 GH
80.0				Stop Fre 5.295000000 GH
			A and the second second	CF Ste 5.000000 Mi <u>Auto</u> Mi
0.0				Freq Offs
Center 5.27000 GHz Res BW 1.0 MHz	#VBW 3.0 MHz	#Sweep	Span 50.00 MHz 500 ms (1001 pts)	

Channel 54 – Chain B

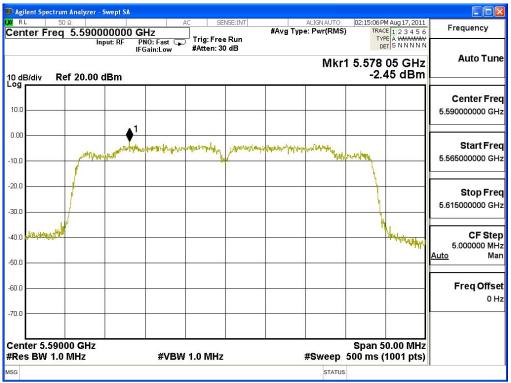
Channel 62 – Chain B





Channel 102 – Chain B

Channel 118 – Chain B



🎾 Agilent Spectrum Analyzer - Sv	wept SA			
Center Freq 5.67000	00000 GHz	NSE:INT ALIGN AUTO #Avg Type: Pwr(RM	S) TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 20.00 d	IFGain:Low #Atten: 3	0 dB	r1 5.672 40 GHz -3.30 dBm	Auto Tune
10.0				Center Freq 5.670000000 GHz
-10.0	had a second and the second and the second	and the second start and a start of the second	www.	Start Freq 5.645000000 GHz
-20.0				Stop Freq 5.695000000 GHz
-40.0 1447 1447 1447			Manyanyanya	CF Step 5.000000 MHz <u>Auto</u> Mar
-60.0				Freq Offse 0 Hi
-70.0			Span 50.00 MHz	
#Res BW 1.0 MHz	#VBW 1.0 MHz	stat	o 500 ms (1001 pts)	

Channel 134 – Chain B

5. Peak Excursion

5.1. Test Equipment

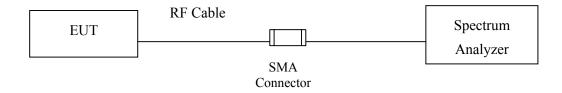
	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2011
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2011
Х	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr.,2011

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.

5.2. Test Setup

Conduction Power Measurement



5.3. Limits

The ratio of the peak excursion of the modulation envelope (measured suing a peak hold function) to the peak transmit power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

5.4. Test Procedure

The EUT was setup to ANSI C63.4, 2009; tested to DTS test procedure of Aug 2002 DA 02-2138 for compliance to FCC 47CFR Subpart E requirements.

5.5. Uncertainty

± 1.27 dB

5.6. Test Result of Peak Excursion

Product	:	Plug-In PC.
Test Item	:	Peak Excursion
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmitter (802.11a-6Mbps)

Channel No.	Frequency (MHz)	Measurement Level (dB)	Required Limit (dB)	Result
36	5180	6.829	<13	Pass
44	5220	6.698	<13	Pass
48	5240	6.393	<13	Pass
52	5260	5.843	<13	Pass
60	5300	6.050	<13	Pass
64	5320	6.631	<13	Pass
100	5500	5.341	<13	Pass
120	5600	6.408	<13	Pass
140	5700	5.259	<13	Pass

Channel 36:

L 50 Ω		AC SENSE:INT	ALIGN AUTO	03:25:54 PM Aug 17, 2011	Frequency
enter Freg 5.1800	100000 GHz put: RF PNO: Fast IFGain:Low	Trig: Free Run Atten: 30 dB	Avg Type: Log-Pwr Avg Hold: 100/100	TRACE 1 2 3 4 5 6 TYPE MM W///////////////////////////////////	Frequency
) dB/div Ref 20.00	dBm		Mkr2	5.180 050 GHz 1.720 dBm	Auto Tu
pg		2			
0.0 .00	The stand and the stand of the second stand and the second stand stand stand stand stand stand stand stand stand		Landon Mirani Mirani Math		Center Fr 5.180000000 G
0.0 				West and the second	0.100000000
				A REAL PROPERTY OF THE REAL PR	Start Fr
).0).0					5.167500000 0
0.0					
0.0					Stop Fr 5,192500000 G
0.0					5.192500000 G
enter 5.18000 GHz Res BW 1.0 MHz	#VE	SW 3.0 MHz	#Sweep	Span 25.00 MHz 500 ms (1001 pts)	CF St
(R MODE TRC SCL	×	Y	UNCTION FUNCTION WIDTH		2.500000 N Auto N
1 N 1 f 2 N 2 f	5.172 800 GHz 5.180 050 GHz	8.549 dBm 1.720 dBm			
3					Freq Off
5					0
7					
9 0 1					



🛙 Agilent Spe	ctrum Ar	alyzer - Sv	wept SA								
XI L	50 Ω				AC SE	ENSE:INT		ALIGN AUTO		PM Aug 17, 2011	Frequency
Center Fi	req 5		ut: RF PN	lZ O: Fast ain:Low	Trig: Fre Atten: 30			Type: Log-Pwr Hold: 95/100	TY	CE 1 2 3 4 5 6 PE MMWWWW DET P S N N N N	
10 dB/div	Ref	20.00 d	Bm					Mkr2		975 GHz 37 dBm	Auto Tun
		20.00 4			/\1						
10.0		a	ละพัฒนาเม	him and	\ Z	2	Multi-	มันเหมมีเสียง เสียงการในท			Center Fre
10.00		(Jan and a land			1. and 1. 1. 1. 1. 1. 1. 1. 1.	19/*0*-1·/· ·			Star Star	North Harrison	5.220000000 GH
	IN WY								1	Ward Hun	
The same t	47									MAN PARTY	Start Fre
40.0											5.207500000 GH
50.0									2		
60.0					_						Stop Fre
70.0	_			-		-	-		-		5.232500000 GH
enter 5.2	22000	GHz						0	Span 2	25.00 MHz	
Res BW				#VE	SW 3.0 MHz			#Sweep		(1001 pts)	CF Ste 2.500000 MH
KR MODE TF	C SCL		×		Y		FUNCTION	FUNCTION WIDTH	FUNCT	ON VALUE	Auto Ma
1 N 1 2 N 2			5.217 375		8.535 c 1.837 c			-			
2 N 2 3	-		5.219975	GHZ	1.837 0	БШ					Freq Offs
4 5											0 H
6				1							UF
7 8											
9											
10											
12											
SG								STATU	5		1

Channel 44:

Channel 48:

L 50 Ω enter Freq 5.2400		AC SENSE:INT	ALIGNAUTO #Avg Type: Pwr(RMS) Avg Hold: 68/100	03:31:44 PM Aug 17, 2011 TRACE 1 2 3 4 5 6 TYPE MMWWWW	
h	nput: RF PNO: Fast IFGain:Low	Atten: 30 dB	2.59	DETPSNNNN	A
) dB/div Ref 20.00	dBm		Mkr2	5.239 700 GHz 1.518 dBm	Auto Tui
o.0		2			Center Fre
	nilledown i man ing a rushinat	ערייזע אוויישער אייער אייער אייעראייעראייעראייעראייער	radial warding with the function of the states	And a state of the	
				Martin	
				11-11-144444Anta	
0.0					5.227500000 G
0.0					
D.0 D.0					Stop Fr 5.252500000 G
enter 5.24000 GHz Res BW 1.0 MHz	#VE	3W 3.0 MHz	#Sweep	Span 25.00 MHz 500 ms (1001 pts)	
KR MODE TRC SCL	×		FUNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> M
1 N 1 f 2 N 2 f	5.246 875 GHz 5.239 700 GHz	7.911 dBm 1.518 dBm			
3					Freq Offs
5 5 7					0
9 S					
0					
1					
1 2					



📕 Agilent Spectrum Analyzer -	Swept SA				
X/L 50Ω		AC SENSE:INT	ALIGN AUTO	03:37:34 PM Aug 17, 2011	Frequency
Center Freq 5.2600	100000 GHz 1put: RF PNO: Fast IFGain:Lov		#Avg Type: Pwr(RMS) Avg Hold: 100/100	TRACE 1 2 3 4 5 6 TYPE MMWWWW DET P S N N N N	
0 dB/div Ref 20.00	dBm		Mkr1 ∜	5.253 175 GHz 8.085 dBm	Auto Tur
og		. 2			
10.0	a shall mar with the frage	1/14	AND	N	Center Fr
1.00				A Constant of the second of th	5.26000000 G
0.0	-			Mr. Mu	
D.0 Minute Way				The state of the state of the	
0.0				וערישיי	Start Fr
22122					5.247500000 0
0.0					
0.0					
0.0					Stop Fi
0.0					5.272500000 0
enter 5.26000 GHz				Span 25.00 MHz	CF St
Res BW 1.0 MHz	#V	BW 3.0 MHz	#Sweep \$	500 ms (1001 pts)	2.500000 N
(R MODE TRC SCL	×	Y	UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto M
1 N 1 f	5.253 175 GHz	8.085 dBm			
2 N 2 f 3	5.260 250 GHz	2.242 dBm			
4					Freq Off
5					0
6					
8					
9					
1					
2					
G			STATUS		9
٥			STATUS		

Channel 52:

Channel 60:

Marc SENSE:INT ALIGNAUTO D338:37FM Aug 17,2011 Center Freq 5.300000000 GHz Trig: Free Run IFGain:Low Trig: Free Run Atten: 30 dB #Avg Type: Pwr(RMS) Avg Hold: 88/100 Trace [123456 TYPERMAWWWWW Mer PSNNN 10 dB/div Pef 20 00 dBm 2.142 dBm	Frequency
Mkr2 5.299 700 GHz	
	Auto Tun
10 dB/div Ref 20.00 dBm 2.142 dBm 100 100 100 100 100 100 100 100 100 100	
10.0	Center Fre
	5.30000000 GH
	Start Fro
0.0	5.287500000 G
40.0	
50.0	Stop Fre
60.0	5.312500000 G
	0.012000000 01
Center 5.30000 GHz Span 25.00 MHz	CF Ste
Res BW 1.0 MHz #VBW 3.0 MHz #Sweep 500 ms (1001 pts)	2.500000 MI
	Auto M
1 N 1 f 5.293 475 GHz 8.192 dBm 2 N 2 f 5.299 700 GHz 2.142 dBm	
3	Freq Offs
5	01
6 7	
9	
10 10	
11 12 12 12 12 12 12 12 12 12 12 12 12 1	
SG STATUS	



D Ag	ilent S	Spect	rum A	nalyzer -	Swept S	A						2				
₩ Cer	L nter	Fre	50Ω q5		00000			AC		SE:INT		Type: Pw		TRAC	M Aug 17, 2011 E 1 2 3 4 5 6 PE M M W M M M	Frequency
10 d	B/div	,	Ref	20.00	dBm		0: Fast ← ain:Low		: Free l en: 30 c		Avgir	101d: 75/10		5.320 1	75 GHz 39 dBm	Auto Tune
Log 10.0 0.00 -10.0			M	Haran	aqunta,	jii yalida	national states	1 Caminian	Winnich	2	1. Nakristovski	WWW.MAN	and the second	College	Martin Martin	Center Freq 5.320000000 GHz
-40.0				Harris										ų	Wide Pride allo	Start Freq 5.307500000 GHz
-50.0 -60.0 -70.0																Stop Freq 5.332500000 GHz
#Re	s Bl	N 1	.0 M	GHz Hz			#VB	N 3.0 I	MHz		INOTION			500 ms (5.00 MHz 1001 pts)	CF Step 2.500000 MHz
MKH 1 2 3	N N N	1 2	f f			1 <u>6 775</u> 20 175			70 dB 39 dB	m	JNCTION	FUNCTION	WIDTH	FUNCTI	ON VALUE	<u>Auto</u> Man
4 5 6 7 8 9																Freq Offset 0 Hz
9 10 11 12 MSG													STATUS			

Channel 64:

Channel 100:

D Agi	ilent S	ipect		Analyzer -	Swept SA									
<mark>⊯</mark> Cen	ter	Fre	50 s 9 q	5.5000	00000		AC		BE:INT		ALIGN AUT	VIS) TF	9PM Aug 17, 2011 RACE 1 2 3 4 5 6	Frequency
				In	put: RF	PNO: Fast IFGain:Lov		ig: Free tten: 30 d		AVgjF	lold: 74/100	_	DETPSNNNN	Auto Tuno
10 di	Mkr2 5.498 200 GHz 0 dB/div Ref 20.00 dBm 200 000 100 100 100 100 100 100													
Log 10.0				20100	The state of the	- 1 Mail II. 194 B		2		11 mil N d	<u>\</u> 1			Center Freq
				1000000	River and Alte	a charult and		a fan were start fan de start fan	in a state of the	THE PROPERTY OF A	alaiki eeskii oo aa aha	A CONTRACTOR OF STREET		5.50000000 GHz
-10.0 -20.0	Laura 19.44	he why	F	р <mark>ина</mark> П								<u>ੇ</u> ਅ	Margaret	
-20.0	· · · ·													Start Freq
-40.0						_								5.487500000 GHz
-50.0			+			_								
-60.0			+			-							-	Stop Freq
-70.0													<u>.</u>	5.512500000 GHz
Cen #Re				0 GHz /IHz		#V	BW 3.0	MHz			#Swee		25.00 MHz (1001 pts)	CF Step
MKR	MODE	TRC	SCL		×			Y	FL	INCTION	FUNCTION WID		TION VALUE	2.500000 MHz Auto Man
1	NN	1 2	f			175 GHz 200 GHz).675 dB 5.334 dB				_		
3		_		0					5.50					Freq Offset
5		_					-							0 Hz
7		_												
9 10														
11														
MSG	_										STA	тиз		



			Chum				
D Agilent Spect	trum Analyzer -	Swept SA					
ovu ⊥ Center Fre		000000 GHz	AC SENSE	#Avg	ALIGNAUTO Fype: Pwr(RMS) old: 61/100	03:41:20 PM Aug 17, 20 TRACE 1 2 3 4 5 TYPE MMWWMA	6 Frequency
	Ir	nput: RF PNO: Fast IFGain:Lov				DETPSNNN	
10 dB/div	Ref 20.00	dBm			Mkr2	5.599 925 GH 4.005 dBr	ZII
10.0		Fridenthuker with a station of	2		u - Muzius a dol -		Center Fre
0.00	11	Jilli Trousen Veta mata 19.2 Jar	UL- ALTA BEIRT D' YRDUR LLEAD DE R	<u>ፈመድምስ አይት</u> ለተስ ጨታጭል	all and a second and the form	And a start of the	- 5.60000000 GH
0.00 10.0 Canely 20.0 Hill 100	AN TOWN					Print and a start	чс W1
30.0							Start Fre
40.0	_						5.587500000 GH
50.0	-						
50.0							- Stop Fre 5.612500000 GH
70.0							3.512500000 Gr
enter 5.6 Res BW 1		#V	BW 3.0 MHz		#Sweep \$	Span 25.00 MH 500 ms (1001 pts	
IKR MODE TIRO		X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
1 N 1 2 N 2	f f	5.597 325 GHz 5.599 925 GHz	10.413 dBm 4.005 dBm				
3 4			í				Freq Offs
5							01
7 8							-
9							
11							1
ISG					STATUS		

Channel 120:

Channel 140:

L 50 Ω		AC SENSE:INT	ALIGN AUTO	03:42:22 PM Aug 17, 2011	Frequency
enter Freg 5.700	000000 GHz Input: RF PNO: Fast IFGain:Low		#Avg Type: Pwr(RMS) Avg Hold: 93/100	TRACE 123456 TYPE MMWWWW DET P SNNNN	
) dB/div Ref 20.00	dBm		Mkr2	5.700 100 GHz 5.134 dBm	Auto Tu
29	<u>\</u> 1	2			Contor Er
00	and the second second second	where we want the second state of the second s	Aurolumman Jain States and a strategy with the	and the second s	Center Fr 5.700000000 G
				Martin all Martin and And	0.700000000
D.O HAMMAN				T Martine Way have	
0.0					Start Fr
					5.687500000 G
).0					
1.0					Stop Fr
10					5.712500000 G
1.0					
				Span 25.00 MHz	CER
	#V	BW 3.0 MHz	#Sweep	Span 25.00 MHz 500 ms (1001 pts)	CF St
Res BW 1.0 MHz	X	Y	#Sweep		CF St 2.500000 M
Res BW 1.0 MHz	× 5.693 625 GHz	Y 10.393 dBm		500 ms (1001 pts)	CF St 2.500000 M
Res BW 1.0 MHz R MODE TRC SCL N 1 f 2 N 2 f	X	Y		500 ms (1001 pts)	CF St 2.500000 M <u>Auto</u> M
No 1.0 MHz N 1 f N 2 f 3 4 4	× 5.693 625 GHz	Y 10.393 dBm		500 ms (1001 pts)	CF St 2.500000 M Auto M Freq Offs
Res BW 1.0 MHz Imode Trop Scl Imode Trop Scl	× 5.693 625 GHz	Y 10.393 dBm		500 ms (1001 pts)	CF St 2.500000 M Auto M Freq Offs
Res BW 1.0 MHz I N 1 f 1 N 1 f 2 N 2 f 3 - - 4 - - 5 - - 6 - - 7 - - 3 - -	× 5.693 625 GHz	Y 10.393 dBm		500 ms (1001 pts)	CF St 2.500000 M <u>Auto</u> M Freq Offs
	× 5.693 625 GHz	Y 10.393 dBm		500 ms (1001 pts)	CF St 2.500000 M Auto M Freq Offs
Res BW 1.0 MHz I N 1 f 2 N 2 f 3 4 4 4 5 - - - 6 - - - - 7 - - - - 8 - - - - 9 - - - -	× 5.693 625 GHz	Y 10.393 dBm		500 ms (1001 pts)	CF St 2.500000 M

Product	:	Plug-In PC.
Test Item	:	Peak Excursion
Test Site	:	No.3 OATS
Test Mode	:	Mode 2: Transmitter (802.11n-20BW 14.4Mbps)

Chain A

Channel No.	Frequency (MHz)	Measurement Level (dB)	Required Limit (dB)	Result
36	5180	8.466	<13	Pass
44	5220	11.422	<13	Pass
48	5240	12.009	<13	Pass
52	5260	9.014	<13	Pass
60	5300	4.881	<13	Pass
64	5320	8.484	<13	Pass
100	5500	9.446	<13	Pass
120	5600	8.466	<13	Pass
140	5700	8.429	<13	Pass

Channel 36:

🗾 Agilent Spectrum Analyz	er - Swept SA				
X/L 50Ω Center Freq 5.18		AC SENSE:INT	ALIGNAUTO #Avg Type: Pwr(RMS)	03:43:35 PM Aug 17, 2011 TRACE 1 2 3 4 5 6 TYPE MMWWWW	Frequency
10 dB/div Ref 20.0	Input: RF PNO: Fast ↔ IFGain:Low	⊶ Trig: Free Run Atten: 30 dB	Avg Hold: 100/100	5.180 300 GHz 0.331 dBm	Auto Tune
10.0 0.00 -10.0	A I	2 10,10,10,10,10,10,10,10,10,10,10,10,10,1	nally run and an and a second	and the second second	Center Free 5.180000000 GH:
-20.0 -30.0				No N	Start Fre 5.167500000 GH
-50.0					Stop Fre 5.192500000 GH
Center 5.18000 GH #Res BW 1.0 MHz MKR MODE TRO SCL		N 3.0 MHz	#Sweep 5	Span 25.00 MHz 00 ms (1001 pts) FUNCTION VALUE	CF Ste 2.500000 MH Auto Ma
N 1 f N 2 f 3 - - 4 - - 5 - - 6 - - 7 - - 9 - - 10 - - 11 - - 12 - -	5.174 550 GHz 5.180 300 GHz	8.797 dBm 0.331 dBm			Freq Offse 0 ⊢
SG			STATUS		



Frequency	3:45:51 PM Aug 17, 2011			ENSE:INT	AC SE				50		L
	TRACE 123456 TYPE MMWWWW DET P SNNNN	ype: Pwr(RMS) Id: 37/100			Trig: Fre Atten: 30	GHz PNO: Fast IFGain:Low	000000 (Input: RF	5.22	req	er Fr	nte
Auto Tu	220 200 GHz -2.681 dBm	Mkr2 5.					dBm	f 20.0	Re	div	1B/
Center F											ļ
5.220000000	A CONTRACTOR	provident and the second of the		2îh	All altre we had not	White the art of	and go the of the second	and			
04	Mar In		-					P.		لا المسلم الله .	í
Start Fi 5.207500000 0	HANNA HANNA									- All Parts	N
Stop Fi											
5.232500000											-
CF St 2.500000 M	Span 25.00 MHz 0 ms (1001 pts)			z	3W 3.0 MHz	#VB		0 GH: MHz		er 5.2 BW	
Auto N	FUNCTION VALUE	FUNCTION WIDTH	NCTION		Y 8.741 d	475 GHz	X 5 221 4			DE TR	MO
					-2.681 d	200 GHz		3			Ń
Freq Off 0											
				_						_	
									-		

Channel 44:

Channel 48:

Agilent Spectrum Analyz XI L 50 Ω	zer - Swept SA	AC SENSE:INT	ALIGNAUTO	03:46:46 PM Aug 17, 2011	
Center Freq 5.24	IOOOOOOO GHz Input: RF PNO: Fast IFGain:Low		#Avg Type: Pwr(RMS Avg Hold: 32/100	TYPE MMWWWW DET P S N N N N	
	00 dBm		Mkr2	5.239 725 GHz -3.516 dBm	Auto Tune
10.0				wint.	Center Fre
10.00	and the second		and a start of the	and the second s	5.240000000 GH
20.0 30.0 40.0				MAN MAN	Start Fre 5.227500000 GH
50.0 60.0					Stop Fre
Center 5.24000 GH		BW 3.0 MHz	#Sweep	Span 25.00 MHz 500 ms (1001 pts)	CF Ste
1kr mode tro scl 1 N 1 f	× 5.238 750 GHz	Y 8.493 dBm	FUNCTION FUNCTION WIDTH		2.500000 MH Auto Ma
2 N 2 f 3 4 5 5 6	5.239 725 GHz	-3.516 dBm			Freq Offs 0 F
7 8 9					
10 11 12					
SG			STATUS	3	



Agilent Spectrum Analyze	r - Swept SA				
enter Freq 5.260	Input: RF PNO: Fast C	AC SENSE:INT	ALIGNAUTO #Avg Type: Pwr(RMS) Avg Hold: 60/100	03:47:33 PM Aug 17, 2011 TRACE 1 2 3 4 5 6 TYPE MMWWWW DET P S N N N N	Frequency
) dB/div Ref 20.01	IFGain:Low	Atten: 30 dB	Mkr2	5.260 075 GHz -1.142 dBm	Auto Tui
og		2 Minimum and a Martin	Lum Jum Present and a singer print of the second	N. W.	Center Fr 5.260000000 G
				Marine Marine Marine	Start Fr 5.247500000 G
0.0 0.0 0.0					Stop Fr 5.272500000 G
enter 5.26000 GHz Res BW 1.0 MHz	#VB	W 3.0 MHz		Span 25.00 MHz 500 ms (1001 pts)	CF St 2.500000 M
R MODE TRC SCL 1 N 1 f 2 N 2 f	× 5.263 525 GHz 5.260 075 GHz	7.872 dBm -1.142 dBm	UNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> N
3 4 5 5					Freq Off 0
7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9					
2			STATUS		

Channel 52:

Channel 60:

nter Freq 5.3000	00000 GHz put: RF PNO: Fast C IFGain:Low	AC SENSE:INT	ALIGNAUTO #Avg Type: Pwr(RMS) Avg Hold: 62/100	03:48:22 PM Aug 17, 2011 TRACE 1 2 3 4 5 6 TYPE MMWWWW DET P S N N N N	Frequency
B/div Ref 20.00		Atten: 30 dB	Mkr2 5	.299 575 GHz -1.638 dBm	Auto Tur
					Center Fro
0	Louis de monte la constante de	Lunin trisetting to black their	**************************************		5.300000000 G
				AND	Start Fr
) <mark></mark>				· ୩୩୩၂	5.287500000 G
					Stop Fr
					5.312500000 G
nter 5.30000 GHz es BW 1.0 MHz	#VB	W 3.0 MHz	#Sweep 5	Span 25.00 MHz 00 ms (1001 pts)	CF St 2.500000 M
MODE THE SCL N 1 f N 2 f	× 5.300 575 GHz 5.299 575 GHz	6.519 dBm -1.638 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> M
	5.299 575 GHZ	-1.038 dBm			Freq Offs



DAgilent Spectrum Analyzer	- Swept SA				
Center Freq 5.3200		AC SENSE:INT	ALIGNAUTO #Avg Type: Pwr(RMS)	03:49:26 PM Aug 17, 2011 TRACE 1 2 3 4 5 6 TYPE MMWWWW	Frequency
	nput: RF PNO: Fast (IFGain:Low	Trig: Free Run Atten: 30 dB	Avg Hold: 96/100	DETPSNNNN	Auto Tune
10 dB/div Ref 20.00	dBm		Mkr2	5.319 850 GHz -0.519 dBm	
Log 10.0	1	2			Center Freq
0.00	and a service of the and the service of the service	When the stand and the stand of	and the second		5.320000000 GHz
-10.0				The second second	
-20.0 -30.0				"NUM	Start Freq 5.307500000 GHz
-40.0					5.307500000 GH2
-50.0					Stop Freq
-70.0					5.332500000 GHz
Center 5.32000 GHz				Span 25.00 MHz	
#Res BW 1.0 MHz		W 3.0 MHz		500 ms (1001 pts)	2.500000 MHz
MKR MODE TRC SCL 1 N 1 f 2 N 2 f	× 5.313 650 GHz 5.319 850 GHz	7.965 dBm -0.519 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
3 4	5.3 19 850 GHZ	-0.519 dBm			Freq Offset
5					0 Hz
7 8	~				
9 10 11					
11 12					
MSG			STATUS		

Channel 64:

Channel 100:

💴 Agilent Spectrum Analyzer - S	Swept SA												
Center Freq 5.5000	00000 GHz put: RF PNO: Fast	AC SENSE:INT	ALIGNAUTO #Avg Type: Pwr(RMS) Avg Hold: 39/100	03:50:01 PM Aug 17, 2011 TRACE 1 2 3 4 5 6 TYPE MMWWWW	Frequency								
	IFGain:Low Atten: 30 dB Del/F SMMR dB/div Ref 20.00 dBm 0.531 dBm												
Log 10.0 0.00 -10.0	1 milinghi Mindensensensensensensensensensensensensense	And Marine Proved	ייייעלין בייזיקנגעוויינקאינגעייקנגעינגעייייטע	A MARCH MA	Center Free 5.500000000 GH:								
-20.0				TO AN ANALA	Start Free 5.487500000 GH								
-50.0					Stop Fre 5.512500000 GH								
Center 5.50000 GHz #Res BW 1.0 MHz MKR MODE TRC SCL	×	SW 3.0 MHz	#Sweep	Span 25.00 MHz 500 ms (1001 pts) FUNCTION VALUE	CF Ste 2.500000 MH Auto Ma								
1 N 1 f 2 N 2 f 3 4 5 6	5.494 550 GHz 5.500 375 GHz	9.977 dBm 0.531 dBm			Freq Offse 0 ⊢								
7 8 9 9 10 11 12 12 12 12 12 12 12 12 12 12 12 12													
MSG			STATUS		1								



D Ag	ilent S	pect		Analyzer -	Swept S	A										
⊯ Cer	ter	Fre	50 Ω	5.6000				AC	SE	NSE:INT			ALIGNAUTO ce: Pwr(RMS) I: 57/100	TRA	M Aug 17, 2011 CE 1 2 3 4 5 6 PE MM W/M/W	Frequency
	B/div		Ref	20.00	nput: RF dBm		NO: Fast Sain:Low		Atten: 30			ginor		5.599 S	50 GHz 76 dBm	Auto Tune
Log 10.0 0.00 -10.0				W	i. William	/1 /*	-	4/1/m-	morperola,	2 	Jul Part	^{, re} levelow	al wing the	North Contraction		Center Freq 5.60000000 GHz
-40.0	norther a	μ.,	M .												WILL HARWIN	Start Freq 5.587500000 GHz
-50.0 -60.0 -70.0																Stop Freq 5.612500000 GHz
#Re	s BV	N 1	.0 N SCL) GHz IHz	X				0 MHz		FUNCTIO	N FL	#Sweep	500 ms (25.00 MHz (1001 pts) 0NVALUE	CF Step 2.500000 MHz <u>Auto</u> Man
1 3 4 5 6 7 8 9 10 11 12	N	1 2	f				0 GHz 0 GHz		9.342 di 0.876 di							Freq Offset 0 Hz
MSG													STATUS			

Channel 120:

Channel 140:

DAgilent Sp	ectrum Ar	nalyzer - Swept SA	-							
<mark>₩</mark> ∟ Center F	50 Ω Freq 5	.700000000		7			ALIGNAUTO : Pwr(RMS)	TRAC	M Aug 17, 2011 E 1 2 3 4 5 6 E M Manadata	Frequency
10 dB/div	Ref	Input: RF 20.00 dBm	PNO: Fast G IFGain:Low	Atten: 30 d		vgirioid. (5.704 1	50 GHz 39 dBm	Auto Tune
Log 10.0 0.00 -10.0	Arm Mark	Particular data and an and an	hung-aptraction	ministerin dia 2	An and a faith of the faith	1 20110-00100-0	ni z Niglija (na v Al Laf	A REAL PROVIDENCE OF THE		Center Freq 5.700000000 GHz
-20.0 -30.0 -40.0									Mart Laborer	Start Freq 5.687500000 GHz
-50.0 -60.0 -70.0										Stop Freq 5.712500000 GHz
Center 5 #Res BW	1.0 M	Hz	# VB	W 3.0 MHz 9.539 dBi	FUNCTIO		#Sweep	500 ms (5.00 MHz 1001 pts) NVALUE	CF Step 2.500000 MHz <u>Auto</u> Mar
2 N 3 4 5 6	2 f	5.699	700 GHz	1.110 dBi						Freq Offset 0 Hz
7 8 9 10 11 12										
MSG							STATUS			1

Channel No.	Frequency (MHz)	Measurement Level (dB)	Required Limit (dB)	Result
36	5180	7.110	<13	Pass
44	5220	9.011	<13	Pass
48	5240	9.034	<13	Pass
52	5260	10.412	<13	Pass
60	5300	8.241	<13	Pass
64	5320	8.839	<13	Pass
100	5500	8.603	<13	Pass
120	5600	10.921	<13	Pass
140	5700	10.469	<13	Pass

Chain B

Channel 36:

💴 Agilent Spectrum /								
🗶 ୮ ରେ ଜ Center Frea	5.180000000 G	Hz AC	SENSE:INT	#Avg Type	ALIGNAUTO : Pwr(RMS)	TRACE	Aug 17, 2011	Frequency
	Input: RF P	IO: East Con T	rig: Free Run tten: 30 dB	Avg Hold:		DET	50 GHz	Auto Tune
10.0 0.00 -10.0	20.00 aDm	T-Ju-Lighturnton-		Fredra-uphen-prist		-		Center Free 5.180000000 GH:
-20.0 -30.0 -40.0							A CONTRACTOR	Start Free 5.167500000 GH
-50.0								Stop Fre 5.192500000 GH
Center 5.1800 #Res BW 1.0 N MKR MODE TRC SCL		#VBW 3.0			#Sweep 5			CF Ste 2.500000 M⊢ <u>Auto</u> Ma
2 N 2 f 3 4 5 6	5.179 85		2.383 dBm					Freq Offse 0 H
7 8 9 10 11 12								
/SG	9				STATUS			



D Ag	ilent S			nalyzer -	Swept S	A										
الا Cer	L nter		50 Ω	5.2200				AC		NSE:INT			ALIGNAUTO be: Pwr(RMS) I: 100/100	TRA	MAug 17, 2011 CE 1 2 3 4 5 6 PE MMWWWW	Frequency
10 d	B/div		Ref	20.00	dBm		0: Fast ain:Low	•••	Trig: Free Atten: 30		AV	ginoic		5.220 ⁻	150 GHz	Auto Tune
Log 10.0 0.00 -10.0			C. And			int reaction of the	harrytanit.	A.A.P	ant and a second se	2	1 ;iijmr	L.	inn Jour Hard			Center Freq 5.220000000 GHz
-20.0 -30.0 -40.0	ally"	A.													Wildman Martin	Start Freq 5.207500000 GHz
-50.0 -60.0 -70.0																Stop Freq 5.232500000 GHz
#Re	nter : s B\ MODE	N 1.	.0 IV) GHz IHz	×		#VE	SW 3	.0 MHz	_	FUNCTION	FL	#Sweep	500 ms	25.00 MHz (1001 pts)	CF Step 2.500000 MHz Auto Man
1 2 3 4 5 6 7 8 9 10 11 12	N	1	f			22 350			<u>9.838 d</u> 0.827 d							Freq Offset 0 Hz
MSG													STATUS			

Channel 44:

Channel 48:

M Ag	ilent S	Spect		Analyzer	- Swep	t SA									
⊯ Cer	L nter	Fre	50 ⊆ €q	5.240				AC	ig: Free	JSE:INT		ALIGN AUTO Type: Pwr(RM fold: 45/100	IS) TRA	PM Aug 17, 2011 ACE 1 2 3 4 5 6 YPE MMWWWW	Frequency
	B/div	,	Ref	20.00	Input: F dBn	IFO	NO: Fast Gain:Low		ten: 30		Avgir		1 5.245	700 GHz 700 dBm	Auto Tune
Log 10.0 0.00 -10.0			and the second second	No and a start of the start of	in with a	₩₩₩₩	and all fourth	n Wirder Wieser	and all the second s			1 Networkshire			Center Freq 5.240000000 GHz
-20.0 -30.0 -40.0	AUA	MM	h ui											and the state of t	Start Freq 5.227500000 GHz
-50.0 -60.0 -70.0															Stop Freq 5.252500000 GHz
#Re MKR	NODE	W 1	.0 P	0 GHz /IHz	5.	× 245 70	0 GHz		Y .750 dE	3m	JNCTION	#Sweep	500 ms	25.00 MHz (1001 pts) ION VALUE	CF Step 2.500000 MHz <u>Auto</u> Man
2 3 4 5 6 7 8 9	N	2	t		5.	240 37	5 GHz	-1	.284 dE	3m					Freq Offset 0 Hz
10 11 12 MSG												STAT	US		



L 50 Ω			41 X (04 1 4 4 1 100 00)		
enter Freq 5.2	Input: RF PNO: Fast		ALIGNAUTO #Avg Type: Pwr(RMS) Avg Hold: 43/100	04:17:46 PM Aug 17, 2011 TRACE 1 2 3 4 5 6 TYPE MMWWWW DET P S N N N N	Frequency
	IFGain:Low	Atten: 30 dB	Mkr1 {	5.266 675 GHz	Auto Tur
dB/div Ref 20.	.00 dBm		_	9.369 dBm	
0.0		2	and the second s		Center Fr
.00 00	angenerate a frankriker allenter allenter allenter	-when the first of the second of the	margette Mathematic Reputer and	New York	5.26000000 G
0.0				- North -	
1.0				"White	
				- William	Start Fr
0.0					5.247500000 0
0.0					Stop Fr
0.0					5.272500000 0
enter 5.26000 GI	7			Span 25.00 MHz	-
	224-234		#Ourson 6		CF St
Res BW 1.0 MHz	#V	BW 3.0 MHz		600 ms (1001 pts)	2.500000 N
Res BW 1.0 MHz	#V	Y F	#Sweep 5	600 ms (1001 pts)	2.500000 N
Res BW 1.0 MHz	#V			600 ms (1001 pts)	2.500000 N
Res BW 1.0 MHz R MODE TRC SCL N 1 f N 2 f	#V	Y 9.369 dBm		600 ms (1001 pts)	2.500000 M <u>Auto</u> M
Res BW 1.0 MHz R MODE TRC SCL N 1 f 2 N 2 f 3 - - - 4 - - - 5 - - -	#V	Y 9.369 dBm		600 ms (1001 pts)	2.500000 M Auto M Freq Offs
Res BW 1.0 MHz Imode TRG SCL N 1 P 7	#V	Y 9.369 dBm		600 ms (1001 pts)	2.500000 M Auto M Freq Offs
Res BW 1.0 MHz R MODE TRC SCL N 1 f 2 N 2 f 3 - f - 5 - - - 6 - - - 7 - - - 3 - - -	#V	Y 9.369 dBm		600 ms (1001 pts)	2.500000 M Auto M Freq Offs
Res BW 1.0 MHz If MODE IfIG SCL I I N 1 f I 2 N 2 f I 3 - - - - 4 - - - - 5 - - - - 6 - - - - 7 - - - - 9 - - - -	#V	Y 9.369 dBm		600 ms (1001 pts)	2.500000 M Auto M Freq Offs
Res BW 1.0 MHz Mode Trc Scl N 1 f 2 N 2 f 3 - f 4 - - 5 - - 6 - - 7 - - 9 - -	#V	Y 9.369 dBm		600 ms (1001 pts)	CF St 2.500000 M Muto N Freq Offs 0

Channel 52:

Channel 60:

💴 Agilent Spectrum Analyzer -	Swept SA				
⊠ ∟ <u>50 Ω</u> Center Freq 5.3000		AC SENSE:INT	ALIGNAUTO #Avg Type: Pwr(RMS) Avg Hold: 90/100	TYPE MMWWWWW	Frequency
10 dB/div Ref 20.00	IFGain:Low	Atten: 30 dB		5.300 200 GHz 1.551 dBm	Auto Tune
10.0 0.00 -10.0	U. 	2 UIL	 	10 I	Center Freq 5.300000000 GHz
-20.0 -30.0 -40.0				A CONTRACTOR	Start Freq 5.287500000 GHz
-50.0					Stop Fred 5.312500000 GHz
Center 5.30000 GHz #Res BW 1.0 MHz	1000 A. (1990)	W 3.0 MHz	-	Span 25.00 MHz 500 ms (1001 pts)	CF Step 2.500000 MH
MKR MODE TRC SCL 1 N 1 f 2 N 2 f	5.301 375 GHz	9.792 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Mar
3 4 5 6	5.300 200 GHz	1.551 dBm			Freq Offse 0 Ha
7 8 9 10 11					
12 MSG			STATUS		



D Agiler	it Spec	trum	Analyzer - Sw	ept SA								
w⊥ Cente	er Fro	50 s eq	5.320000						ALIGNAUTO Type: Pwr(RMS old: 56/100	TRAC	M Aug 17, 2011 E 1 2 3 4 5 6 PE MM WMM	Frequency
10 dB/c	div	Ref	Input 20.00 dE	IFG	10: Fast Gain:Low	Atten: 30				5.319 6	00 GHz 34 dBm	Auto Tune
10.0 - 0.00 - -10.0 -			And the second second	wyłukt/inpurti	A BALLAND	- And and a start of the	2 	altering and all all and a	1	Silver Britter		Center Freq 5.320000000 GHz
ہو -20.0 -30.0 41 -40.0 —	WYY W											Start Freq 5.307500000 GHz
-50.0 — -60.0 — -70.0 —												Stop Freq 5.332500000 GHz
Cente #Res MX8 M0		1.0 P		×	#VE	3W 3.0 MHz		FUNCTION	#Sweep	500 ms (5.00 MHz 1001 pts)	
1 N 2 N 3 4 5 6	1	f		5.323 800 5.319 600		<u>9.773 d</u> 0.834 d						Freq Offset 0 Hz
7 8 9 10 11 12												
MSG									STATUS	3		

Channel 64:

Channel 100:

	Analyzer - Swept SA					
Center Freq	5.500000000 G		SENSE:INT	ALIGNAUTO #Avg Type: Pwr(RMS Avg Hold: 46/100	04:22:06 PM Aug 17, 2011 TRACE 1 2 3 4 5 6 TYPE MMWWWM	Frequency
			en: 30 dB		5.500 250 GHz	Auto Tur
0 dB/div Re	f 20.00 dBm				1.506 dBm	
10.0	add Milling Mary	Angeline Walter Walterstreet			Carlos A	Center Fre
0.00	all a second sec		Alt Halley al 11 km			5.50000000 G
					No. of the second se	Start Fr
10.0						5.487500000 G
0.0						Stop Fr
0.0						5.512500000 G
enter 5.5000 Res BW 1.0		#VBW 3.0 I	MHz	#Sweep	Span 25.00 MHz 500 ms (1001 pts)	
Krimode Tro Sci 1 N 1 f			09 dBm	JNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto N
2 N 2 f	5.505 72 5.500 25		06 dBm			
3						Freq Offs
5 6						0
8						
9 0						
1			1			
G	·			STATUS	:	1



		pecti		Analyzer -	Swept S/	A							<u></u>		
	L Iter	Fre	50 Ω	5.6000				AC	sel	JSE:INT		ALIGNAUTO Type: Pwr(RMS) Iold: 36/100	TRAG	M Aug 17, 2011 CE 1 2 3 4 5 6 PE MMWWWW	Frequency
	B/div		Ref	20.00	nput: RF dBm): Fast in:Low		atten: 30				5.607 C	000 GHz 14 dBm	Auto Tune
Log 10.0 0.00 -10.0			4	ANT ANT ANT		6. 01/1-51/10	JANNI I		ni h it iyyyyk	2 minut	*****************	1 ידרייייייייייייייייייייייייייייייייייי	all a		Center Freq 5.60000000 GHz
-20.0 -30.0 -40.0	A	γ i η ⁴												Walth Land and	Start Freq 5.587500000 GHz
-50.0 -60.0 -70.0					~										Stop Freq 5.612500000 GHz
#Re	s BV	N 1.	.0 N	0 GHz /IHz			#VE	3W 3.0	0 MHz		UNCTION		500 ms (25.00 MHz (1001 pts)	CF Step 2.500000 MHz Auto Man
1	MODE	1	f	_		7 000			0.414 dE	3m	UNCTION	FUNCTION WIDTH	FUNCTI	UN VALUE	<u>Auto</u> Man
2 3 4 5 6 7 8	N	2	f		5.60	0 100	GHZ).507 dE	sm					Freq Offset 0 Hz
9 10 11 12 MSG												STATUS			

Channel 120:

Channel 140:

D Agilent	Spect	rum	Analyzer - Swept S	SA						
Center	r Fre	50 s 9 q	5.70000000	00 GHz			ALIGN AUTO g Type: Pwr(RMS	S) TRAC	M Aug 17, 2011	Frequency
Input: RF PN0: Fast → IFGain:Low Trig: Free Run AvgiHold: 54/100 Type MMWWWW Der P SNNN 10 dB/div Ref 20.00 dBm Mkr1 5.702 425 GHz 10.499 dBm										Auto Tune
Log 10.0		W	and the second second	Langer and the second s	WWW WWWWWWWWWWWWWWWWWWWWWWWWWWWW	Al Contraction of the second	Numin and a stand			Center Freq 5.700000000 GHz
-20.0 -30.0		<u> </u>							North Contraction	Start Freq 5.687500000 GHz
-50.0 -60.0 -70.0										Stop Freq 5.712500000 GHz
Center 5.70000 GHz Span 25.00 MHz #Res BW 1.0 MHz #VBW 3.0 MHz #Sweep 500 ms (1001 pts) IMMER Model TRG ISCU X Y FUNCTION WIDTH FUNCTION WIDTH										
1 N 2 N	1	f	5.7	02 425 GHz 99 875 GHz	10.499 dB 0.030 dB	m	TORCHOR WIDT			
3 4 5 6										Freq Offset 0 Hz
7 8 9 10 11										
12 MSG							STATU	s		<u> </u>