

30MHz~3GHz_Band2_5MHz_QPSK_1_0_LowCH18625-1852.5

0 0	an a								m Analyzer - Si	ht Spectra	
Frequency	PH Aug 20, 2018 ACE 1 2 3 4 5 6	TRA	Log-Pwr	Avg T	SE:INT		-	pc	RF 50 0		RL
0.0000000	DET P N N N N	0	1/1	AvgiH		#Atten: 2	NO: Fast == Gain:Low				
Auto Tun	6 18 GHz 379 dBm		Mkr	112					tef Offset 1 tef 23.90		dB/d
				11					Loive		9
Center Fre							-				1.9
1.515000000 GH							-				90
	-13.00 dBm					-	-		-		10
Start Fre							-				1
30.000000 MH		2				-	-	-			1
	-	•		11		-		-	-		-
Stop Fre	-	-	address to the local data	and the second	and the second	a de sta de sete				1	1
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3.00000000 GH	- 1	-		-		-					1
CF Ste	3.000 GHz	Stop 3		10		L			7	30 MH	art
297.000000 MH	40000 pts)	33 ms (4	weep 5.3			1.0 MHz	#VB		MHz		
Auto Ma	100700000 -	RUNCT	BORMORI	SCHON 1	I FU			×	001	CHINA	S BECOS
					3m	26.589 di	1 GHz	1.850 5	1		N
Freq Offse		_			£m.	-39.379 dt	8 GHZ	2.426 1	r		
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3GHz~20GHz_Band2_5MHz_QPSK_1_0_LowCH18625-1852.5

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Frequency	PM Aug 20, 2018 ACE 1 2 3 4 5 6 YPE N N N N N	TRA	Log-Pwr 1/1	Avg Typ Avg Hold	Run	Trig: Free	NO: Fast ++		F 50 Q	-	st.
Auto Tur	6 2 GHz 207 dBm	1 18.93	Mkr	10 15 10 10	dB	#Atten: 20	Sain:Low	9 dB	f Offset 13		B/div
Center Fre 11.500000000 GR											-
Start Fre	-13.00 dBn										
3.000000000 GI	▲1									_	
Stop Fro 20.000000000 G				-		in the second	in the second			-	-
CF Ste 1.700000000 GI Auto M	0.000 GHz 40000 pts)		weep 29.	s		1.0 MHz	#VBW			000 C W 1.0	
	NON WALKE	FUNCT	CTON WOTH	TION		-41.207 dE	2 GHz	× 18.936			N
Freq Offs 01					-						
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30MHz~3GHz_Band2_5MHz_QPSK_1_0_MidCH18900-1880

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Frequency	04:36:41 PM Aug 20, 2018 TRACE 1 2 3 4 5 6	ALIGN AUTO		SENSE:INT			2 DC	50.0	RF		RL
0,000,000,000	DET P NNNNN	d: 1/1	AvgiH	Free Run n: 20 dB	#Atten:	PNO: Fast * FGain:Low					
Auto Tur	2 1.839 59 GHz -39,430 dBm	Mkr2	1.1					Offset 1: 23.90		div	dB/
			11					20.00	Rei		٩r
Center Fre											9
1.515000000 GH		1 1		-	-	-			-		80-
	-13.00 den				-	-	-		-		10
Start Fre				_	-	-	-				3 F
30.000000 MH				-	-	-	-		-		1
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		and an and an and an and	-	A de la d	a Storaday	Mar and all all					1
Stop Fre 3.00000000 GH									1000		1
3.00000000 01	<u> </u>								-		1
	Stop 3.000 GHz									30 M	L
CF Ste 297.000000 MF	33 ms (40000 pts)	Sween 5.3		Hz	W 1.0 MH	#VB		IHZ	HZ 1.0 M		
Auto Ma		1000/WORL	100 0007							CIR	
			ites from	4 dBm	26.294	05 GHz	1.878		1		
Freq Offs				0 dBm	-39,430	69 GHz	1.839		1	44	
01						-					
-	1		-			-					
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	1 1				H .				• •		
		STATUS									

3GHz~20GHz_Band2_5MHz_QPSK_1_0_MidCH18900-1880

0 0 0	04:37:04 PH Aug 20, 2018	ALTEN AUTO		SENSE IN			pt SA DC	malyzer - See 50 G	pectrum A	reight S
Frequency	TRACE 1 2 3 4 5 6 TYPE NWWWW	: Log-Pwr	Avg T Avg H	Free Run	Trig	NO: Fast		201.54	1 112	-
Auto Tun		strat.	21350	n: 20 dB	#Atte	Gain:Low	IF			
Auto Tun	18.834 6 GHz -41.774 dBm	Mkr1						Offset 13 23.90 (B/div
Center Fre			-		-				_	-
11.50000000 GH				-	+	-			-	
	-13.00 dBn		-						_	
Start Fre 3.000000000 GH					-					
3.00000000	•¹			_	-				_	
Stop Fre	and the second second			-	-	-		-	Name of Street	-
20.00000000 GH										
CF Ste 1.70000000 GF	Stop 20.000 GHz 3 ms (40000 pts)	weep 29.		IHz	W 1.0 M	#VBI			00 GH	
Auto Ma	EUNOTON WALLE	CONTRACTOR	FUNCTION		T.		×	_	INC NO.	
				4 dBm	-41.77	6 GHz	18.834		1 1	N
Freq Offse		-		-		-			-	-
1				-		-				
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30MHz~3GHz_Band2_5MHz_QPSK_1_0_HighCH19175-1907.5

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	Frequency
DET P NNNN	A
Mkr2 2.479 87 GHz -37.643 dBm	Auto Tu
	Center Fr
1.5	1.515000000 G
-13.00 054	
	Start Fr
	30.000000 M
	Stop Fr 3.00000000 G
3.	3.00000000 G
Stop 3.000 GHz	CF St
Auto	297.000000 M uto M
NWANTH EURISTICS WALLE -	
	Freq Off
	0

3GHz~20GHz_Band2_5MHz_QPSK_1_0_HighCH19175-1907.5

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Frequency	04:38:08 PM Aug 20, 2018 TRACE 1 2 3 4 5 6	LIGN AUTO		SE:INT	SER		pc	50 12	RJ	RL
	DET P NNNN	Avg Type: Log-Pwr Avg Hold: 1/1			Trig: Free #Atten: 20	IO: Fast	PN			
Auto Tur	19.773 9 GHz -41.042 dBm	Mkr						Offset 13. f 23.90 d		dB
Center Fre							S			8
11.500000000 G										90
	-13.00 dBm									10
Start Fre	-13.00 den									1
3.000000000 GH							-		-	t.
			- an poor di							3
Stop Fre	and the second se		-	ting the				No.	-	1
20.000000000 GH										1
CF Ste	Stop 20.000 GHz								3.000 G	L
1.70000000 GH Auto Mi	33 ms (40000 pts)				1.0 MHz	#VBW			3W 1.0	-
	FUNCTION WALLE	CTION WOTH	TION FUN		41.042 dE	GHz	19.773 9		CE 11120 1500	1
Freq Offs				-				-	-	
01			-	-		-				
1				-		_				
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t (886-2) 2299-3279

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台灣檢驗科技股份有限公司

Report No.: E2/2018/70116 Page 244 of 437



Ref Offset 13.9 (Ref 23.90 dB

tart 30 MHz Res BW 1.0 MHz

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3GHz~20GHz_Band2_10MHz_QPSK_1_0_MidCH18900-1880

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Frequency	H Aug 20, 2018	THAC	Log-Pwr 1/1	Avg Typ	Run	1000000000	VO: Fast -+		50 12	RF	L
	PNNNNN		(1991).		dB	#Atten: 20	sain:Low	IFI			
	3 9 GHz 57 dBm		MK						Offset 13. 23.90 d		B/div
Center Fre											
11.500000000 G											-
2	-13.00 dBm									_	
Start Fre 3.000000000 G											
3.00000000 Gi	1										
Stop Fr	-		Harris	-		-	and gifting of	-	-	-	-
20.00000000 G											-
CF St 1.700000000 G	.000 GHz 0000 pts)	Stop 20. 33 ms (4	weep 29.	5		1.0 MHz	#VBW	0		000 GH	
Auto M			CLORANDOR			7		×		110 100	
Freq Offs					m	-40.457 dE	9 GHz	19.433		1 1	N
0				_	-		_				
2					-		-			-	_
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30MHz~3GHz_Band2_10MHz_QPSK_1_0_HighCH19150-1905

-0	PH Aug 20, 2018	04:30:078	ALTEN AUTO		E:INT	SEN			Analyzer - 3		RL
Frequency	AGE 1 2 3 4 5 6 TPE NWWWW	TRA	Log-Pwr	Avg Typ Avg Hold	Run	Trig: Free	NO: Fast		- 193		2040
			3590			#Atten: 20	Gain:Low				
Auto Tu	33 GHz 34 dBm		Mkr	1					f Offset f 23.90		dB/d
Center Fr				1							
1.515000000 G											
											0
Start Fr	-13.00 dBH			-						_	1
30.000000 Mi	-	.2		-			-	-			1
		¢		- 1							1
Stop Fre 3.00000000 GH		-	No. Manada	سببها لمد		de stabil de star	15.0000				1
	<u> </u>										1
		-						-			1
CF Ste	3.000 GHz	Stop 3					-	100		30 MH	
297.000000 Mi Auto M	40000 pts)					1.0 MHz	#VB\				
	ON WALLE	FUNCT	CTION WRITH	TION FO	m	26.568 dB	8 GHz	1.900	2		N
Freq Offs					n	-39.634 dB	3 GHz	2.426	-	1	N
01					-				-	-	N
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					-				-	+ +	-
				-	-	10.	-		-		-

3GHz~20GHz_Band2_10MHz_QPSK_1_0_LowCH18650-1855

30MHz~3GHz_Band2_10MHz_QPSK_1_0_LowCH18650-1855

PNO: Fast ---- Trig: Free Run IEGalari ow #Atten: 20 dB

#VBW 1.0 MHz

1.850 80 GHz 2.527 54 GHz

25.930 dBm -44.171 dBm

Avg Type: Log-Pw AvgiHold: 1/1

Mkr2 2.527 54 GHz -44.171 dBm

.

Stop 3.000 GH Sweep 5.333 ms (40000 pts

13.00

pts

Frequ

Auto Tur

Center Fre

Start Fre

Stop Fre

CF Step

Freq Offs OH

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Frequency	04:27:44 PM Aug 20, 2018 TRACE 1 2 3 4 5 6	ALIGN AUTO	Av	SENSE:0		pc	50 0	R	L	R
	DET P NNNNN	old: 1/1	1 AV	Trig: Free Rui #Atten: 20 dB	NO: Fast	P				
Auto Tur	-40.646 dBm	Mkr				9 dB IBm	f Offset 13. f 23.90 c	Re	B/div	10 d
Center Fre										og 13.9
11.50000000 GH								-		3.90
2	-13.00 dBm							-		E 1
Start Fre 3.000000000 Gi										6.1
3.00000000	→ ¹									36.1
Stop Fr	No. of Concession, Name		-		-	-	-	-	-	61
20.000000000 G										56.1 16.1
CF Ste	Stop 20.000 GHz 33 ms (40000 pts)	Sween 20	1.2	1.0 MHz	#VBW			000 G W 1.0		
Auto M	EUNOTONIMALE -	HUNHDRIMORI	FUNCTION	1.0 10112	***	×		ALC: NO		
				-40.646 dBm	4 GHz	19.167		1 1	N	1 2 3
Freq Offs					_					4
-					_					5 6 7
					_				_	8
									-	10 11
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		STATUS								0

30MHz~3GHz_Band2_10MHz_QPSK_1_0_MidCH18900-1880

Keynight So R L	ectrum Analyzer - S		a second and a second second	17 THERE AND A		0 4 2
RL	RF 50	D DC	SENSE:3NT	Aug Type: Log-Pwr	04:28:17 PH Aug 20, 2018 TRACE 1 2 3 4 5 6	Frequency
		PNO: Fast IFGain:Low	#Atten: 20 dB	Avg Hold: 1/1	DET P NNNNN	
0 dB/div	Ref Offset 1 Ref 23.90			Mk	2 2.426 40 GHz -38.233 dBm	Auto Tune
og	1101 20100			11		
13.9						Center Fr 1.515000000 G
1.90						1.515000000 GH
10					-13.00 dBH	
6.1						Start Free
6.1	_				2	30.00000 MH
6.1	_					
51	In contrast of the second second	A CONTRACTOR OF A LINE	Although a state of the	Antipitation in the second second	Martin Martin Martin State	Stop Fre
6.1						3.000000000 GH
6.1						
tart 30		- 10 percent	and Summer State	10 grill 1 an	Stop 3.000 GHz	CF Step
Res BW	1.0 MHz	#VI	BW 1.0 MHz	Sweep 5.	333 ms (40000 pts)	297.000000 MH
AND MODEL		×		UNCTION FUNCTION WOTH	FUNCTION WALLE	Auto Mar
1 N 2 N	1	1.875 83 GHz 2.426 40 GHz	26.040 dBm -38.233 dBm			Labor Dooler
3 4						Freq Offse
5						0 H
6						2
8	_					
10						
11			11		· · · · ·	

3GHz~20GHz_Band2_10MHz_QPSK_1_0_HighCH19150-1905

0.0.0	04:32:06 PM Aug 20, 2018	ALTEN AUTO		SENSE:IN	T and	DC DC	Analyzer - See	nt spectrum	RL			
	THACE 1 2 3 4 5 6 TYPE NWWW DET P NNNNN	Avg Type: Log-Pwr Avg Hold: 1/1		Trig: Free Run #Atten: 20 dB	PNO: Fast	P						
Auto Tun	1 19.374 8 GHz -40.975 dBm	Mkr1					Offset 13 f 23.90 d		dB			
Center Fr 11.500000000 G									3.9			
	-13.00 d54		-					_	10			
Start Fre 3.000000000 GH	1							_	8.1 6.1			
Stop Fre		****				مبحيه		┉	1			
CF Ste 1.70000000 GF	Stop 20.000 GHz 33 ms (40000 pts)	Swaap 20		1.0 MHz	#//P///				art 3.000 GHz Res BW 1.0 MHz			
Auto Ma	53 ms (40000 pts)	sweep 29.	EUNCTION	Y.		x			1			
Freq Offse				-40.975 dBm	I 8 GHz	19.374		1				
									5 6 7 8 9			
	· · ·			н			1	1	0			
		STATUS							2			

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台灣檢驗科技股份有限公司



30MHz~3GHz_Band2_15MHz_QPSK_1_0_LowCH18675-1857.5

0.0							um Analyzer -	ight Spectr	
Frequency	04:23:37 PH Aug 20, 2018 TRACE 1 2 3 4 5 6	ALIGN AUTO	Avg	SENSE:IN		D DC	RF 5	_	RI
	DET P NNNN	25(2/4)	AvgiH	#Atten: 20 dB	PNO: Fast IFGain:Low				
Auto Tur	2 1.877 61 GHz -32.665 dBm	Mkr2	8				Ref Offset Ref 23.9		0 dE
			1						9 g
Center Fre 1.515000000 Gi									3.9
1.515000000 G									10
C	-13.00 dBm								
Start Fre			-2				1		E.1
30.000000 Mi						-			26. t
	Sector of the sector of		- 1			-			36.1
Stop Fre	in the second second second		March Martin	and the state of the state	and the second law	ALL DATE OF		-	46.1
3.000000000 G									6.1
CF Ste	Stop 3.000 GHz		376					30 MH	
297.000000 Mi Auto Mi	33 ms (40000 pts)			1.0 MHz	#VBV		0 MHz		
	FUNCTION WALLE	ANCTION WOTH	FUNCTION	26.506 dBm	1 10 GHz	1.851	1		
Freq Offs				-32.665 dBm	1 10 GHz 7 61 GHz	1.877	î.	N N	23
01									4
	1								4 5 6 7 8
									7
									9
								-	10
	1.0			H),					
		STATUS							0

3GHz~20GHz_Band2_15MHz_QPSK_1_0_LowCH18675-1857.5

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Frequency	H Aug 20, 2018 DE 1 2 3 4 5 6 PE NWWWW ET P NNNNN	TRA	ALIGN AUTO e: Log-Pwr d: 1/1	Avg	e Run	Trig: Fre	NO: Fast		50.0	RJ RJ	L
Auto Tu	5 1 GHz 16 dBm	1 19.47	Mkr	20133	20 dB	#Atten: 1	Gain:Low	9 dB	Offset 13		B/div
Center Fr 11.500000000 G											
Start Fr 3.000000000 G	-13.00 d5n				-					_	
Stop Fr 20.000000000 G										-	-
CF Sto 1.700000000 G Auto M	.000 GHz 0000 pts)	.33 ms (4	Sweep 29.		-	V 1.0 MHz	#VB		MHz	000 GH V 1.0 I	rt 3.0 25 B1
Freq Offs 0		20861		FONCTION		-41.516 d	1 GHz	19.476		123 1500	N
						н					
			STATUS								

30MHz~3GHz_Band2_15MHz_QPSK_1_0_MidCH18900-1880

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50 12 DC	SEN		ALIGN AUTO	04:24:41 PM Aug 20, 201 TRACE 1 2 3 4 5	Frequency
PNO: F IFGain:1		un AvgiHol		DET P NNNN	ÎN
			Mkr	2 2.426 48 GH: -36.732 dBn	z Auto Tuno
		1			1
					Center Free 1.515000000 GH
					1.515000000 GH
				-13.00 dB	
					Start Free
		1		²	30.000000 MH
		10	The reast	Second on any	-
Links when when the	No. of Concession, or the Party of the Party	with the second second		Allenaister fühlter unter	Stop Free
					3.000000000 GH
					1
tz i	VBW 1.0 MHz		Sweep 5.3	Stop 3.000 GH	2 CF Ster 297.000000 MH
					Auto Mar
1.873 60 GH	z 25.922 dB	1			
2.426 48 GF	12 -36.732 dB				Freq Offse
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	IF Gaind Treet 13 9 dB 13.90 dBm 13.90 dBm 14.00 dB	If Calinitory #Atten: 20 d Tset 13.9 dB 3.30 dB 3.30 dB	PNO Fact	PRO: Fast Trig: Free Run Patter: 20 dB Avg[Hid: 1/1" Treat 13.9 4B Mkr. 3.300 dBm 1 1 1 2 2	PBO: Fast Trig: Free Run Ratter: 20 dB Avginidi: 11 Trig: Free Run Rutter: 20 dB True: Free Run 13.90 dBm Mkr2 2.426 48 GHz 36.732 dBm -36.732 dBm 1 1 -36.732 dBm 4/2 #VBW 1.0 MHz Stop 3.000 GHz 1 -35.732 dBm 4/2 #VBW 1.0 MHz 5.00 GHz 25.922 dBm 1.873 60 GHz 25.922 dBm 2.426 48 GHz -36.732 dBm

3GHz~20GHz_Band2_15MHz_QPSK_1_0_MidCH18900-1880

0 0		ALIGN AUTO		SENSE-IN			BC DC	natyzer - Sv	RU RU		R R
Frequency	04:25:05 PM Aug 20, 2018 TRACE 1 2 3 4 5 6 Type N M N N N DET P N N N N N	Type: Log-Pwr Hold: 1/1		ig: Free Rur		NO: Fast		50.0	RF.	L	ĸ
Auto Tur	6255	and solution.	·	tten: 20 dB	-	Gain:Low	IFI				_
	19.169 1 GHz -40.366 dBm	MKr						Offset 1: 23.90		B/div	d
Center Fre											3.9
11.50000000 G			_		-	-			-		90
Start Fre	-13.00 dBm										10
3.000000000 Gi	1	-			+	-			-	-	i.t
						a month at a					6.1 5.1
Stop Fr									-	1	
20.00000000 Gi			_		+	-				-	5.1
CF Ste 1.70000000 GI Auto Mi	Stop 20.000 GHz 33 ms (40000 pts)	Sweep 29.		MHz	3W 1.	#VE			00 GH		
Auto M	FUNCTION WALLE	FUNCTION WORTH	FUNC	366 dBm		1 GHz	19,169			N	F
Freq Offs											2
01				-		-					4
						-				-	7
						-					234 567 890
	· · ·		_	H.					1.1		1
		STATUS									0

30MHz~3GHz_Band2_15MHz_QPSK_1_0_HighCH19125-1902.5

	ectrum Analyzer - 5					0 0
RL	RF 50		SENSE:DNT	Avg Type: Log-Pwr	04:25:40 PM Aug 20, 2018 TRACE 1 2 3 4 5 6	Frequency
		PNO: Fast IFGain:Low	#Atten: 20 dB	Avg Hold: 1/1	DET P NNNN	10000000
dB/div	Ref Offset	13.9 dB 0 dBm		Mkr	2 2.401 98 GHz -39.190 dBm	Auto Tur
9				1		Center Fre
90	_					1.515000000 G
10	_				-13.00 dBm	
1						Start Fre
1					2	30.00000 M
1					have been a second	
-	for the state of t			Print Philippine and a second		Stop Fr 3.000000000 G
1	_	-	_			3.00000000 G
art 30 f		- 27 - 20 [52:50	and here and	14 July 100	Stop 3.000 GHz	CF St
	1.0 MHz		BW 1.0 MHz		333 ms (40000 pts)	297.000000 M Auto M
N	1 500 t	× 1.896 10 GHz	26.734 dBm	INCTION FUNCTION WOTH	FUNCTION VALUE	
N	1	2.401 98 GHz	-39.190 dBm			Freq Offs
						0
						-
			H.			

3GHz~20GHz_Band2_15MHz_QPSK_1_0_HighCH19125-1902.5

		A COMPANY OF THE OWNER					pt SA	knalyzer - Swe	actrum A	
Frequency	04:26:00 PM Aug 20, 2018 TRACE 1 2 3 4 5 6 TYPE NWWWW DET P NNNNN	LIGN AUTO	Avg Typ Avg Hold	Run	SET	IO: Fast	pc	50.0	RF	L
Auto Tur			21251212	dB	#Atten: 2	ain:Low				
Bm Center Fre	19.577 1 GHz -41.450 dBm	MKri						Offset 13. 23.90 c		B/div
Center Fre										
11.500000000 GH							-		-	-
	-13.00 dBn		-				-		_	
Start Fre 3.000000000 GH										
0.000000000				5 470 A 1 50			Tan Marana D			-
Stop Fre	and the second designed to the second designe		- Contraction of the local diversion of the local diversion of the local diversion of the local diversion of the				-	-	-	~
20.00000000 GH										
CF Ste	Stop 20.000 GHz				lassos unit ^{ol}	100000000	a - 1		00 GH	
1.70000000 GH Auto Ma	33 ms (40000 pts)				1.0 MHz	#VBW			1.0 1	-
	FUNCTION WALKE	CTION WOTH	CTION FU		-41.450 dB	GHz	19.577		1	N
Freq Offs			_	-		-			-	
				-					-	
				-					-	
	1.1			+	H.				1	
		STATUS								

t (886-2) 2299-3279

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30MHz~3GHz_Band2_20MHz_QPSK_1_0_LowCH18700

RL	ctrum Analyzer -					0 0 2
n.	RF 51	D DC	SENSE:INT	Autok Auto Avg Type: Log-Pwr	04:13:13 PM Aug 20, 2018 TRACE 1 2 3 4 5 6	Frequency
		PNO: Fas IFGain:Lo		Avg Hold: 1/1	DET P NNNN	
0 dB/div	Ref Offset Ref 23.9			Mki	2 1.887 19 GHz -34.371 dBm	9 GHz Auto Tun
°9	Ref 20.0			1		-
3.9						
.90						1.515000000 GH
10	-				-13.00 dBm	2
6.1						Start Fre
6.1	-	-		2		30.000000 MH
6.1				- fr		
61		d	Second Street Lines and Lines and	and have been set of	interested and interested	Stop Fre
5.1						3.000000000 GH
6.1	_	_	_	_		0.0000000000
tart 30 N	1Hz				Stop 3.000 GHz	CF Ster
Res BW		#	VBW 1.0 MHz	Sweep 5.	333 ms (40000 pts)	297.000000 MH
		×		FUNCTION FUNCTION WOTH	FUNCTION WALVE	Auto Ma
	1	1.851 32 GHz	26.656 dBm			1 Settler Chronic C
1 N 2 N	1	1.851 32 GHz 1.887 19 GHz	26.656 dBm -34.371 dBm			Freq Offse
1 N 2 N 3	1	1,851 32 GHz 1,887 19 GHz	26.656 dBm -34.371 dBm			
1 N 2 N 3 4 5 6	1	1.851 32 GHz 1.887 19 GHz	26,656 dBm -34,371 dBm			
1 N 3 A 5 6 7 8	1	1.851 32 GHz 1.887 19 GHz	26,656 dBm -34.371 dBm			
3 6 7 8 9	1	1.861 32 GHz 1.887 19 GHz	26,666 dBm 34.371 dBm			
1 N 2 N 3 4 6 7 8 9	1	1.861 32 GHz 1.887 19 GHz	26.666 dBm 34.371 dBm			Freq Offse 0 H

3GHz~20GHz_Band2_20MHz_QPSK_1_0_LowCH18700-1860

0.0									Analyzer - See		eysight
Frequency	CE 1 2 3 4 5 6 PE NWWWW	TRA	Log-Pwr 1/1	Avg Typ Avg Hold	Run	Trig: Free	O: Fast	pc	50.0	P	st.
Auto Tu	6 2 GHz 39 dBm	1 18.93	Mkr	0.050.000	0 dB	#Atten: 2	alin:Low	9 dB	f Offset 13 of 23.90 c		B/div
Center Fr 11.500000000 G											-
Start Fr	-13.00 dBn									_	
3.000000000 G	● ¹										
Stop Fr 20.000000000 G						0/7%0/				-	-
CF Ste 1.700000000 GI Auto M	0.000 GHz 40000 pts)		weep 29.	5		1.0 MHz	#VBW			.000 G W 1.0	
	ON WALLE	FUNCT	ICTION WOTH	CTION FU		-42.039 dE	2 GHz	18.936	3	T International	N
Freq Offs 01					-						
						н			1		
			STATUS								

30MHz~3GHz_Band2_20MHz_QPSK_1_0_MidCH18900-1880

	ht Spec		our - Swept SA		STATISTICS.		and the second second		and service and service and	0 0 2
RL		RF	50 Q DC		SENSE:INT		ALIGN AUTO	TF	ACE 1 2 3 4 5 6	Frequency
				PNO: Fast IFGain:Low	#Atten: 20 dB	AvgiHo	ld: 1/1		DET P NNNNN	10000000000
dB/d	liv		et 13.9 dB			2.2	Mkr		2 42 GHz 454 dBm	Auto Tune
98		1101 20				1				
3.9										Center Free
90		-					-	-	-	1.515000000 GH
10		-							-13.00 dBm	2
5.1		_								Start Free
5.1		-								30.000000 MH
6.1		_						2		
6.1						10			a la marte de	
5.1	diam.	the second	West and the second	anti-technicity of		state state		a line was		Stop Free
6.1										3.00000000 GH
0.1										
art 3			100	- 10 100000	n di ana ma ⁿⁱ	- 32 - 2	ili nan		3.000 GHz	CF Step
Res E	BW 1	.0 MHz	2	#VE	W 1.0 MHz		Sweep 5.	333 ms	(40000 pts)	297.000000 MH
DE MOD		SCL	×			FUNCTION	CONCIONING IN	FUNC	TONIMUSE -	Auto Mar
1 N	11	1	1.8	1 30 GHz	26.032 dBm -42.454 dBm					g Test entre outre
3	-	1	£.95	2 42 Onz	-42.404 0000			-		Freq Offse
4	+									0 H
6								1		
7	-			-						
9										
0	-									
-					H);					

3GHz~20GHz_Band2_20MHz_QPSK_1_0_MidCH18900-1880

0.0			a.e	100000			1 Analyzer - So		eysight
Frequency	04:21:28 PM Aug 20, 2018 TRACE 1 2 3 4 5 6 TYPE NWWW DET P NNNNN	Aug Type: Log-Pwr vgiHold: 1/1		SENSE: Trig: Free Ru	O: Fast		9 50 0	1 8	sL.
Auto Tur				#Atten: 20 dl	ain:Low	IFG			
	19.241 8 GHz -40.986 dBm	Mkr					of Offset 1 of 23.90		B/div
Center Fre			_						_
11.500000000 GH						-			-
	-13.00 dBH								
Start Fre 3.000000000 GH						-			
	♦ ¹								-
Stop Fre	Citement and a second se		-	Ni, Marginia	liter Tastr	-		-	-
20.00000000 GH									
CF Ste 1.70000000 GF	Stop 20.000 GHz 33 ms (40000 pts)	0		1.0 MHz				000 G W 1.0	
Auto Ma		Sweep 29.	5100	1.0 IVIPIZ	#4814	×			
	Porter barrietee			40.986 dBm	GHz	19.241 8		1	N
Freq Offs			_		_		-		
01					-		-		_
		_	_		_		-		-
	· · ·		-	10			1		
		STATUS							

30MHz~3GHz_Band2_20MHz_QPSK_1_0_HighCH19100-1900

-00- -								am Analyzar - 5	ght Spectro	
Frequency	04:22:03 PN Aug 20, 2018 TRACE 1 2 3 4 5 6 Type Northeast	ALIGN AUTO	Avg	SENSE:INT	1		2 pc	RF 50		RL
0.000000	DET P NNNNN	id: 1/1	Avgit	Free Run n: 20 dB	#At	PNO: Fast FGain:Low	P			
Auto Tur	2 2.738 48 GHz -43.876 dBm	Mkr2	15					Ref Offset 1 Ref 23.90		dB/
			1					1		39
Center Fre 1,515000000 Gi										.90
	-13.00 (5%)				-			_		10
Start Fre	-13.00 05%		++		+	+		+		6.1
30.000000 MH				-	-	-		-		6.1
		1	1		-		-			6.1 5.1
Stop Fre		the second second		-	dis.instit		-		-	5. t
3.000000000 GH		-	_	_	-	_		-		6.1
CF Ste	Stop 3.000 GHz		- 12		- there	n			30 MH	
297.000000 Mi	33 ms (40000 pts)				N 1.0	#VBV			BW 1.	-
	FUNCTION WALLE	UNCTION WOTH	INCTION	2 dBm	26.3	35 GHz	1,891 3	5060 f		
Freq Offs				5 dBm	-43.8	48 GHz	2.738	1	4 1	2 N 3
01				_		-		_		4 5
			_			_		_		2 N 3 4 5 6 7 8 9 0
				_		_				9
	· ·			_						1

3GHz~20GHz_Band2_20MHz_QPSK_1_0_HighCH19100-1900

	04:22:28 PM Aug 20, 2018	ALTEN AUTO		SENSE:D		ept SA DC	Analyzer - See	Spectrum	RL			
Frequency	TRACE 1 2 3 4 5 6 TIPE NUMBER OF NUMBER	ype: Log-Pwr old: 1/1	Ava	Trig: Free Run #Atten: 20 dB	NO: Fast	p	20.10	1 .00	nic.			
Auto Tuni	19.290 2 GHz -41.316 dBm	Ref Offset 13.9 dB. Mkr1 19.290 2 GHz 10 dB/div Ref 23.90 dBm -41.316 dBm										
Center Free 11.500000000 GH									9 19 90			
Start Free 3.000000000 GH	-13.00 dBe											
Stop Fre 20.000000000 GH					,	-	-	****				
CF Ste 1.700000000 GH Auto Ma	Stop 20.000 GHz 33 ms (40000 pts)	Sweep 29.	FUNCTION	1.0 MHz		×	MHz	000 GH W 1.0 I	es B			
				-41.316 dBm	2 GHz	19.290		1 1	N			
Freq Offse 0 H												

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Ref Offset 13.9 (Ref 23.90 dB

30 MHz BW 1.0 MHz

NN

3GHz~20GHz_Band4_1_4MHz_QPSK_1_0_MidCH20175-1732.5

0-0-	e an	A CONTRACTOR OF A	-			100		Analyzer - Sw			
Frequency	RACE 1 2 3 4 5 6 TYPE NWWWW	g-Pwr	Avg Type: Avg Hold: 1	Run	Trig: Free	NO: Fast		F 50 G	P	L	R
1 GHz Auto Tur		a).		dB	#Atten: 20	Sain:Low					_
	64 1 GHz .580 dBm							f Offset 13 of 23.90		B/div	0 d
Center Fre											3.9
11.50000000 G	- 1										90
	-13.00 000										10
Start Fre											1
3.000000000 G									1		6.1
Stop Fr	-	- to and use					-	Notice to the local division of the local di	-	1	5.1
20.000000000 G											5.1
CF St 1.700000000 G	20.000 GHz (40000 pts)	Sto ep 29.33 r	Sw		1.0 MHz	#VBW			000 G		
Auto M	-	NWOTH	ION FUNC		-41.580 dE	1 GHz	×			N	R)
Freq Offs			_	m	-41.580 dB	1 GHZ	3.404	-	1 1	N	2
0				-		-		-			4
7				-						_	6
				-					-		89
		-								-	0
		1			H.						
		STATUS								_	١.

30MHz~3GHz_Band4_1_4MHz_QPSK_1_0_HighCH20393-1754.3

0.0									nafyzer - See			
Frequency	PM Aug 20, 2018 ACE 1 2 3 4 5 6	TF	Log-Pwr	Avg T	E:INT]	Trig: Free I		pc	50 12	RF		RI
	DET P NNNN		37.81.	AvgiHo	dB	#Atten: 20	NO: Fast					
Auto Tu	0 46 GHz 405 dBm		Mkr		7				Offset 13 23.90 (B/div	
Center Fre										_	-	9 3.9
1.515000000 G		-					-			-	-	.90
	-13.00 dBm			-	_					_		10
Start Fre 30.000000 Mi		A2								-		6.1
		•		-	-					-	-	6.1
Stop Fre	and the second	-		-	-					-	-	5.1
3.000000000 GI										-		6.1 6.1
CF Ste 297.000000 Mi	3.000 GHz 40000 pts)		weep 5.3			1.0 MHz	#VBW		IHz	MHz 1.0 N	t 30 1 s BW	
Auto Ma	TION WALLE	FUNK	TORNAGE	TION		28.440 dB	Cille.	× 1.754 0		2 50		1
Freq Offs		-			n	36.405 dBr	6 GHz	2.480 4		Ŧ	NN	2T
01				-	-						-	4
										-	-	3 4 5 6 7 8 9 0
												89
				_	-		_				-	0
		1	STATUS			н				-	_	

30MHz~3GHz_Band4_1_4MHz_QPSK_1_0_LowCH19957-1710.7

PNO: Fast ---- Trig: Free Run IEGalari ow #Atten: 20 dB

#VBW 1.0 MHz

1.710 47 GHz 2.731 43 GHz

28.510 dBm -44.007 dBm

Avg Type: Log-Pw AvgiHold: 1/1

Mkr2 2.731 43 GHz -44.007 dBm

Stop 3.000 GH Sweep 5.333 ms (40000 pts

-13.00

) pts

Frequ

Auto Tur

Center Fre

Start Fre

Stop Fre 3 00000

CF Step

Freq Offs OH

M

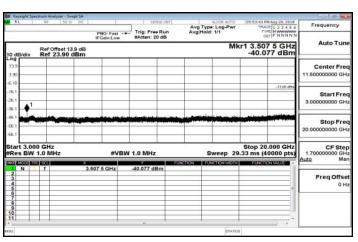
3GHz~20GHz_Band4_1_4MHz_QPSK_1_0_LowCH19957-1710.7

0 0			ALIGN AUTO					pt SA DC	Analyzer - See	t Spectrum	RL
Frequency	CE 1 2 3 4 5 6 PE NWWWW	TRA	Log-Pwr	Avg Ty Avg/Ho	Run	Trig: Free	O: Fast		50.0	I R	RL
Auto Tur	0 8 GHz	r1 3.42	Mk	79.554.01	dB	#Atten: 2	iain:Low	9 dB	f Offset 13. f 23.90 c		dB/d
Center Fr 11.500000000 G											9
Start Fr 3.000000000 G	-13.00 dBn									1	
Stop Fr 20.00000000 G		ونيدانيوا	- till the first		iyile Anani	yu, chuty	<u>ملينة بورين</u>			-	
CF St 1.700000000 G Auto M	0.000 GHz 40000 pts)	.33 ms (4	weep 29		和城	1.0 MHz	#VBW	×	MHz	.000 G W 1.0	es E
Freq Offs 0						-39.000 di	3 GHz	3.420 1			N
	-		STATUS			H					

30MHz~3GHz_Band4_1_4MHz_QPSK_1_0_MidCH20175-1732.5

	ectrum Analyzer - Se		_			and the second states and the	CONTRACTOR INC.	and a second second	0 0
RL	RF 50 (2 DC	1	SENSE: IN		ALIGN AUTO	TRAC	M Aug 20, 2018	Frequency
		PNO: Fas IFGain:Lo		Free Run en: 20 dB		vg Hold: 1/1	TH D	ET P NNNN	NN
0 dB/div	Ref Offset 1 Ref 23.90				22	Mkr	24 GHz 50 dBm	Auto Tur	
og					11				-
190									Center Fre 1.515000000 Gi
10									1.515000000 G
6.1		-	_					-13.00 dBm	6
6.1							1.44		Start Fr
6.1									30.000000 M
6.1 E.1		1			A	1.0	del de an		
		A CONTRACTOR OF A CONTRACT, OR OTHER	terre and a state of the						Stop Fr
6.1									3.000000000 G
tart 30 l Res BW	1.0 MHz	#\	BW 1.0 P	AHz		Sweep 5.	Stop 3 333 ms (4		CF St 297.000000 M
	0.000	x	T I		FUNCTION	FUNCTIONWOTH	EUNOTO	-	Auto N
1 N 2 N	1	1.732 22 GHz 2.480 24 GHz		0 dBm					g San kan kan san san san san san san san san san s
3		2.400 24 0112	-99.90	A MERIN					Freq Offs
4				-					0
5 6 7 8	+ +						-		-
8									
10				-					
	+ +			5 ×					
0						STATU	5		

3GHz~20GHz_Band4_1_4MHz_QPSK_1_0_HighCH20393-1754.3



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30MHz~3GHz_Band4_3MHz_QPSK_1_0_LowCH19965-1711.5

Keysight Spectrum Analyzer - 5					0 0 2
RL RF 50	2 DC	SENSE:INT	Avg Type: Log-Pwr	05:46:43 PM Aug 20, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast IFGain:Low	#Atten: 20 dB	Avg Hold: 1/1	DET P NNNN	1 0.000 000 0000
Ref Offset 1 dB/div Ref 23.90			Mkr	2 1.746 26 GHz -31.512 dBm	Auto Tun
8			1		-
1.9					Center Fre 1.515000000 GH
90					1.515000000 GH
10				-13.00 dBm	
.1			2		Start Fre
6.1					30.00000 MH
6.1				na da composita de la composita	
5.1	الاستعادية والاستاحات والم	Non-Law Income	A CONTRACTOR OF THE OWNER OF	And the Association of the Association of the	Stop Fre
5.1					3.00000000 GH
art 30 MHz Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 5.	Stop 3.000 GHz 333 ms (40000 pts)	CF Ste 297.000000 MF
	×	Y EU	NOTION FUNCTION WORK	EUNETION WALLE	Auto Ma
	1.710 47 GHz 1.746 26 GHz	28.082 dBm -31.612 dBm			-
3	1.746 26 GHZ	-31.612 dBm			Freq Offse
5					0 H
6					-
8					
9					
1		H.			

3GHz~20GHz_Band4_3MHz_QPSK_1_0_LowCH19965-1711.5

Keysight Spectrum Analyzer - Si					0 5 🗳
RL RF 501	PNO: Fast	Trig: Free Run	Avg Type: Log-Pwr Avg/Hold: 1/1	05:47:05 PN Aug 20, 2018 TRACE 1 2 3 4 5 6 TYPE NWWWW DET P NNNNN	Frequency
Ref Offset 1 0 dB/div Ref 23.90	IFGain:Low	#Atten: 20 dB	Mkr	1 19.832 1 GHz -41.492 dBm	Auto Tun
og 13.9 1.90					Center Fre 11.500000000 GH
6.10 16.1 26.1				-13.00 dēn	Start Fre 3.00000000 GF
36.1 16.1		hardentron en angralicita			Stop Fre
tart 3.000 GHz Res BW 1.0 MHz	#VBW	/ 1.0 MHz		Stop 20.000 GHz 33 ms (40000 pts)	CF Sto 1.700000000 G Auto M
25 12000 1120 1500 1 N 1 1 2 3 4	× 19,832 1 GHz	-41.492 dBm	CTION FUNCTION WOTH	FUNCTION VALUE	Freq Offs
5 6 7 8 9					

30MHz~3GHz_Band4_3MHz_QPSK_1_0_MidCH20175-1732.5

	trum Analyzer -:			a contraction	Sec. 1	and the second second second	-	and the second second	
RL	RF 50	DR BC		SENSE	333 U	Aug Type: Log-Pwr	TRA	PH Aug 20, 2018 ACE 1 2 3 4 5 6	Frequency
			NO: Fast = Gain:Low	#Atten: 20 c	iB B	Avg Hold: 1/1	1	DET P NNNNN	0000000
0 dB/div	Ref Offset Ref 23.90	13.9 dB			39	Mkr		92 GHz 30 dBm	Auto Tun
08	Rei 20.04	- ubiii			11				
13.9									Center Fre
1.90									1.515000000 GH
10								-13.00 dBm	2
6.1		-	-						Start Fre
26.1		-	-				12		30.000000 MH
6.1		-	-			1 0.00 Miles	♦ ²		14
E 1			diaman and	a ha na huan an da hu	with the		-		Stop Fre
56.1 10101000							-		3.000000000 GH
6.1	-	-	-	-			-		
tart 30 M	Hz	10	5		_		Stop	3.000 GHz	CF Ste
Res BW	1.0 MHz		#VB	W 1.0 MHz		Sweep 5.3	333 ms (297.000000 MH
408 MOIOE TH	500	x		T.		ION FUNCTION WIGH	FUNC	DRIVINGE -	Auto Ma
1 N	1	1.731	48 GHz 92 GHz	28.305 dBn -44.430 dBn	1				in the second second
3 4				and a second	1				Freq Offse
5			_						0 H
6			-		+	-	-		-
8									
10			-				-		
11	+ +			10	-				

3GHz~20GHz_Band4_3MHz_QPSK_1_0_MidCH20175-1732.5

0 0									natyzer - See			Re
Frequency	1 PH Aug 20, 2018 RACE 1 2 3 4 5 6 TYPE NWWWW DET P NNNNN	TH	ype: Log-Pwr old: 1/1	10 3	ree Rur	Trig: F	NO: Fast		50.0	RF	L	R
Auto Tun	62 8 GHz		Mk	2 - 2 	: 20 dB	#Atten	Gain:Low	IF				_
	.348 dBm	-40.							Offset 13 23.90		B/div	0 d
Center Fre		-			-		-			-		3.9
11.500000000 GF	-	-	-		-	-	-	-				1.90
	-13.00 dBn	-						-				10
Start Fre 3.000000000 GH						-						ь. 6.1
3.00000000 GP		_	_		_	-					•	6.1
Stop Fre	-		-	-	-	-			-		-	61
20.000000000 G												6.1 6.1
CF Ste 1.70000000 Gi	20.000 GHz (40000 pts)	Stop 2 9.33 ms (Sweep 29		Hz	V 1.0 MH	#VBV			00 GH		
Auto Ma	· BURWINGT	FUNC	FUNCTION WIGHT	FUNCTIO		Y		×		RC ECC		
					dBm	-40.348	8 GHz	3.462		1	N	1 2 3
Freq Offs					-		-					3 4 5
2		-			-		-					5 6 7
		-			-		_					8
					-							9
					-	H.	1					1
		15	STATUS									0

30MHz~3GHz_Band4_3MHz_QPSK_1_0_HighCH20385-1753.5

0.0	and when the state of a								nafyzer - See		
Frequency	ACE 1 2 3 4 5 6	TRA	LIGN AUTO	Avg	SE:INT]	The second second			50 12	RF	L
	DET P NNNNN	1	: 1/1	Avgit	Run dB	Trig: Free #Atten: 20	NO: Fast Gain:Low	P			
Auto Tu	0 16 GHz 523 dBm		Mkr					1.9 dB dBm	Offset 13 23.90 (Ref (B/div
Center Fr				1							1
1.515000000 G	-	-	-	-		-				-	-
2	-13.00 dBe			-						_	-
Start Fr 30.000000 M		A2		-				-			_
	-	•		-				-		-	-
Stop Fr	-	-	- Branditistania		أنغيتنيت	, iptenstal	-	-	-		
3.000000000 G	_										
CF Str 297 000000 M	3.000 GHz (40000 pts)		weep 5.3			1.0 MHz	#VBW	67 - 2	IHz		t 30 N s BW
Auto M			STORMORE	CTION		Y		×		1 500	VICTOR THE
Freq Offs					m	28.417 dE 36.523 dE	2 GHz 6 GHz	1.752 4 2.480 1		1	NN
0				_	-						-
	1			_	-		_			\pm	-
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					-						-
		10			+	H				+ +	-
			STATUS								

3GHz~20GHz_Band4_3MHz_QPSK_1_0_HighCH20385-1753.5

0 0 4		A CONTRACTOR OF THE OWNER		and the second second			pt SA	Analyzer - See	nt Spectrum	
Frequency	19:09 PH Aug 20, 2018 TRACE 1 2 3 4 5 6	LIGN AUTO		SE:INT	SEN		pc	50 12	RJ	RL
	DET P NNNNN	1/1	Avg Type Avg Hold		Trig: Free #Atten: 20	IO: Fast	PN			
Auto Tur	3.504 9 GHz -39.712 dBm	Mkr						f Offset 13. f 23.90 d		dB/d
Center Fre							-			
11.50000000 GH										ñ.
										õ.
	-13.00 dBn		-				-			
Start Fre	-									1
3.00000000 GH									1	1
	m and in second second									1
Stop Fre									-	1
20.00000000 GH										1
CF Ste	op 20.000 GHz							Hz	.000 G	L
1.70000000 GH	ms (40000 pts)	veep 29.3	S		1.0 MHz	#VBW		MHz	3W 1.0	es
Auto Ma	FUNCTION WOLDE	TION WOTH	TION FUN				×			
				Im	-39.712 dE	GHz	3,504 9		1 1	N
Freq Offse	-		_	-		-		-		
014						_				
		-						-		
			_	-					++-	
			-		10			1	+ +	+
		STATUS								

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30MHz~3GHz_Band4_5MHz_QPSK_1_0_LowCH19975-1712.5

0 0												
Frequency	E123456	TRAC	: Log-Pwr			700000000000000000000000000000000000000	_		50.0	1	L	RI
0.000000	ET P NNNNN	D	1/1	Avgit	5	Trig: Free R #Atten: 20 d	NO: Fast Gain:Low	PI				
Auto Tur			Mkr									
					11							
Center Fre												
1.515000000 GH								-				
C	-13.00 dBm			-						_		
Start Fre				-	-							1E.1
30.000000 MH		2		-	-			-			-	26.1
		-	-	-	-1-		-	-			-	36.1
	-	in an an	and the second	-		lune of distants	and also a feet					46.1
Stop Fre 3.00000000 GH						the state of the					-	56.1
3.00000000 31				_			-	-		_	-	66.1
CF Ste	000 CHT	PRO: Fast Trig: Free Run (Ficializer Arg Type: Log-Par Arg Type										
297.000000 Mi		Ref Offset 13.9 dB String Field String Field String Field Attention of the string Field F										
Auto Ma	ACCOUNTS OF	1112000	Sector Month	1007	ET.			¥		No. of Lot.	71010	-
					_	27.379 dBm	4 GHz	1.710 5			N	
Freq Offs				-		39.027 dBm	1 GHz	2.426 1	-	1	N	3
01				-			_		-			4
	1			-								6
		_		-			-		-		-	
										_	_	9
				-			-		-		-	10
						н.,						
			STATUS									10

3GHz~20GHz_Band4_5MHz_QPSK_1_0_LowCH19975-1712.5

0.0									Analyzer - See		
Frequency	H Aug 20, 2018 25 1 2 3 4 5 6 26 N WWWWW 27 P N N N N N	TRAC	LOGN AUTO	Avg Ty	Run		IO: Fast 🛏		50 12	R	RL
Auto Tur	4 1 GHz 65 dBm	1 18.74	Mkr		dB	#Atten: 2	iain:Low	9 dB	f Offset 13		dB/div
Center Fre 11.50000000 GF											9
	-13.00 001			-		-				_	1
Start Fre 3.000000000 GF	▲ 1									_	1
Stop Fre 20.000000000 Gi			iniputio p	-		utoritati		i an	-	,*****	
CF Ste 1.700000000 GI Auto M	.000 GHz 0000 pts)	Stop 20 33 ms (4	weep 29.			1.0 MHz	#VBV			.000 G W 1.0	urt 3.
	-	EUX91	HIGH WORK	CTION		-40.265 dE	1 GHz	× 18,744 1	3	1	N
Freq Offs 01											
	_				-		-				
					-						
			STATUS			н					

30MHz~3GHz_Band4_5MHz_QPSK_1_0_MidCH20175-1732.5

0.0			a marka a sa					tSA.	dyzer - Swep	bum An	ht Spect	
Frequency	H Aug 20, 2018	TRAC	LIGH AUTO		10	SENSE:D	-	DC	50 12	RF		RL
0.53255777	PNNNN	Di	1/1	Avg H		Trig: Free Run #Atten: 20 dB	NO: Fast	Ph				
Auto Tur	95 GHz 01 dBm		Mkr		103				Ref Offset 13.9 dB 0 dB/div Ref 23.90 dBm 139			
		1			1							° I .
Center Fre 1.515000000 Gi												
1.515000000 G												
6	-13.00 dBm									_		٦L
Start Fre												
30.00000 Mi		.2										· I ·
		•	35 1 2 1		A							ΞĒ
Stop Fre					-	uddin film film postion	- later barrier	interesting the		-	-	
3.00000000 G												1
												L
CF Ste 297.000000 MI	.000 GHz 0000 pts)	Stop 3 33 ms (4	weep 5.3			1.0 MHz	#VBW		Hz			
Auto Ma	N WALLE	HUNGED	CITICAN WARTH	TION	FUN	Y.				500		
				-	_	27.716 dBm 43.701 dBm	9 GHz 6 GHz	1.730 55		1		
Freq Offs				-							-	
0				-							-	
				-			-				-	
				-			-				-	
											-	-
			-			H.				+ +	+	+
			STATUS									

3GHz~20GHz_Band4_5MHz_QPSK_1_0_MidCH20175-1732.5

456 Frequency NNNN Hz Auto Tune	05:44:52 PM Aug 20, 2018	ALTEN AUTO		SENSE:18		pc	50 12	RF		R
Hz Auto Tune	THREE 1 2 3 4 5 6 THRE NUMBER DET P NNNNN	Log-Pwr		rig: Free Rur		DMO- F			10 1	
Auto Tun		50781	2035	Atten: 20 dB		IFGain:				
Auto Tur	r1 3.460 7 GHz -39.082 dBm	Mk					Offset 13. 23.90 d		B/div	
Center Fre					_				-	9 3.9
11.500000000 GH	· · · · ·								-	90
	-13.00 dBn									10
Start Fre										5.1 5.1
3.000000000 GH									. ●1	81
	And the second second second	- Martineta	and another		and and		-	-		5.1
Stop Fre 20.000000000 GP										5.1
CF Ste	Stop 20.000 GHz .33 ms (40000 pts)	weep 29.		0 MHz	#VBW			00 GH		ar
Auto Ma			FUNCTION	V.		×		1018001	ZODCOM)11
				9.082 dBm	z	3.460 7 G	_	1	N	,
Freq Offs					-					3
				_	-					5
					-				-	2 3 4 5 7 8 9 0
					-					
	· · ·								_	1
		STATUS			_					

30MHz~3GHz_Band4_5MHz_QPSK_1_0_HighCH20375-1752.5

0.0	3 PH Aug 20, 2018	05:45:23	ALIGN AUTO		SI::INT	527			Inalyzer - Si 50 (RF	L	
Frequency	DET P NNNNN	TRU	e: Log-Pwr i: 1/1	Avg Avg P	Run	Trig: Free	NO: Fast 😁	p		- 2021		
Auto Tun				2035	dB	#Atten: 2	Sain:Low	1F				
Auto Tur	444 dBm	Ref Offset 13.9 dB Mkr2 2.480 09 GHz 3/div Ref 23.90 dBm -36.444 dBm										
Center Fre				1							-	
1.515000000 GH	-		-	-		-		-		-	-	
	-13.00 dBm					-				_		
Start Fre												
30.000000 MH		ϕ^2									-	
Stop Fre		-	-			and a local sector			-			
3.000000000 GH			-	-							-	
CF Ste 297.000000 MH	3.000 GHz (40000 pts)		weep 5.3	32		1.0 MHz	#VBV		ИHz	MHz 1.0 N	t 30 M s BW	
uto Ma	TON WALLE	FUNC	NCTIONWOTH	NCTION		28,125 di	C C L La	1,750 6		10		
Freq Offs					Im	-36.444 dE		2.480 0		Ť	NN	
01				-	-				-			
				-	-		-		-			
				-	-		-		_		-	
					-							

3GHz~20GHz_Band4_5MHz_QPSK_1_0_HighCH20375-1752.5

0.0		and any second second						pt SA	Analyzer - See	ectrum A	
Frequency	E 1 2 3 4 5 6	05:45:45 Ph	Log-Pwr		SE:INT	SET		pc	50 12	RF	L
Auto Tun Center Free	E 123456 E NWWW T P NNNNN	TYP	1/1	Avg Type Avg Hold		Trig: Free Run #Atten: 20 dB		PN			
	0 7 GHz 46 dBm	-38.84	Mk						Offset 13 1 23.90 (B/div
Contor Fre								· · · · · ·			1
11.50000000 GH											-
											_
Start Fre	-13.00 dBm			-			-	-		-	-
3.000000000 GH				-						-	-1
										-	•
Stop Fre				and the second second	-		diaman and	-	Number of	-	-
20.000000000 GH											
CF Ste	.000 GHz	Stop 20.									t 3.00
1.70000000 GF Auto Ma			weep 29.			1.0 MHz	#VBW			-	s BW
	IN WALUE	HUNG (D	CTION WOTH	TION		-38.846 dE	GHz	3.500 7		1	N
Freq Offs					-				-		
	-				_				-	-	-
					-		-			-	-
											-
				-	-	10	-			-	_
						11					

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3GHz~20GHz_Band4_10MHz_QPSK_1_0_MidCH20175-1732.5

NNN Prequency					11076-C				Analyzer - Sive		
Frequency	25 PH Aug 20, 2018 TRACE 1 2 3 4 5 6	05:02	Log-Pwr		SE:INT	12000200		pc	50 12	RF	L
Hz Auto Tun	DET P N N N N		5281	AABILI010	dB	#Atten: 20	NO: Fast 🔸 Sain:Low				
Auto Tur	456 5 GHz 0.454 dBm		Mk						Offset 13. 23.90 c		B/div
Center Fre											
11.500000000 G		-	-								-
2	-13.00 dBH	-								-	
Start Fre 3.000000000 G											
3.00000000 Gi											
Stop Fr		-	-		-	-		-	-	-	-
20.000000000 G											_
CF St 1.70000000 G	20.000 GHz	Stop 9.33 ms	weep 29	s		1.0 MHz	#VBW			00 GH	
Auto M	NCHON WALKE	H FU	norwane	TION FOR		7		×		182 500	MODOR
Freq Offs					m	-40.454 dB	5 GHz	3.456		1 1	N
o i		-		_	-		_			-	
				_	-		-		-	=	-
		-		_	-		-			_	
										_	_
						10					

30MHz~3GHz_Band4_10MHz_QPSK_1_0_HighCH20350-1750

NN Frequency	1 PM Aug 20, 2018		ALTEN AUTO		a::twt]	SEN			Analyzer - Se F 50 G	1	L
Auto Tune	ACE 1 2 3 4 5 6 TIPE NUMBER	TRU	: Log-Pwr 1/1	Avg	Run	Trig: Free	NO: Fast				
Auto Tun			199710	20.000	dB	#Atten: 20	Gain:Low				
Auto Tur Center Fre	0 09 GHz 191 dBm		Mkr	5					f Offset 1 f 23.90		B/div
Center Er				1							
1.515000000 G				-			-			_	
	-13.00 dise			-						_	-
Start Fr			-		-		-	-		_	
30.000000 M		A2	-		-						
		L	1. 2.2		1	-					
Stop Fr				C. C			-	-		-	-
3.000000000 G		· · · ·		-			-	-		_	
CF St	3.000 GHz	Stop							in o	MHz	rt 30
297.000000 M	(40000 pts)	33 ms (weep 5.3			1.0 MHz	#VBV		MHz	W 1.0	
Auto M	TION WALLE	EUNC	ACTION MIGH	NCTION		28.586 dB	B1 GHz	×			
Freg Offs					n	-37.191 dB	09 GHz	2.480	-		NN
0				_	-		-				
2				_	-		_				
				_			_				_
				_	-				-		-
					+	H.			+	-	
			STATUS								

30MHz~3GHz_Band4_10MHz_QPSK_1_0_LowCH20000-1715

Frequency	2 PM Aug 20, 2018	04:59:12	ALIGN AUTO			NSE:INT	543		DC	50 12	RF	L
Frequency	ACE 1 2 3 4 5 6 TIPE NWWWW	TR T	Log-Pwr 1/1	Avg 1 Avg H			Trig: Fre	NO: Fast -+				19
Auto Tu	6 33 GHz	2 2.420	Mkr			IO dB	#Atten: 2	Gain:Low		Offset 13	Ref	
	091 dBm	-38.0			÷.,					23.90		B/div
Center Fr				-	1	-	-	-			-	-
1.515000000 G		-		-	-	-		-			-	-
	-13.00 dBm					-	-				-	
Start Fr						-						-
30.000000 M		2				+	-				-	
			2.0		1	-					-	
Stop Fr						-	فاجعادهما	-			-	-
3.000000000 G												
CF St	3.000 GHz	Stop		8	_	_	Succession (*		· · · ·	5.86		t 30
297.000000 M Auto M	(40000 pts)		weep 5.3				1.0 MHz	#VBV			1.01	-
Jana III	TION WALLE	FUNC	ICTION WOTH	TION	FUNC	Rm	28,593 di	A CHT	1 710 8		1000	
Freq Offs				_		Bm	-38.091 di	3 GHz	1.710 8		i i	NN
0				-		-		-				
				-		-					_	
								_				
								_			_	
						-	H.				-	-
			STATUS									

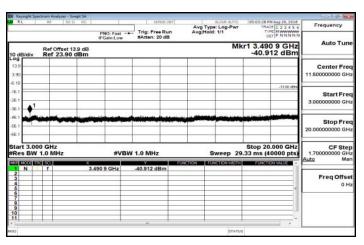
3GHz~20GHz_Band4_10MHz_QPSK_1_0_LowCH20000-1715

0.0	www.comerce.com		a an		and the second				Analyzer - Se		
Frequency	PN Aug 20, 2018 ACE 1 2 3 4 5 6 YPE N WWWWW DET P N N N N N	TH	Log-Pwr 1/1	Avg Ty	SENSE:INT	1.000	NO: Fast	pc	F 50 0	1	RL
Auto Tun	3 0 GHz 98 dBm	1 19.45	Mkr	100	en: 20 dB	#Atten	Gain:Low	JF dB	f Offset 13		dB/di
Center Fre 11.50000000 GH									20.00		3.9
Start Fre 3.000000000 GH	-13.00 dBn										10 6.1
Stop Fre 20.00000000 GP	, and the second	in the second	-		*****	aliy maa ah		-	-	~	6.1 6.1
CF Ste 1.700000000 Gi Auto M	0.000 GHz 40000 pts)	.33 ms (weep 29			W 1.0 MI	#VB		MHz	1.000 G 3W 1.0	Res B
Freq Offs 01						-39.798	0 GHz	19.453			1 N 2 3 4 5 6
						н					7 8 9 0
	-	5	STATUS		0.	n.					2

30MHz~3GHz_Band4_10MHz_QPSK_1_0_MidCH20175-1732.5

Keysight Spectrum Analyzer - 5		17.75 (MAR)	17		
RL RF 50	D DC	SENSE:INT	Auton Auto Avg Type: Log-Pwr	05:01:56 PH Aug 20, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast IFGain:Low	#Atten: 20 dB	Avg Hold: 1/1	DET P NNNN	Auto Tun
Ref Offset			Mk	2 1.692 57 GHz -37.858 dBm	
og			1		
190					Center Fre 1.515000000 GH
10					1.0100000000
6.1				-13.00 dBm	
6.1					Start Fre 30.000000 Mil
6.1			2		30.000000 Mi
61			1	dunamenter and	internet and a second sec
6.1 Summer providence	and an an and the second s	Contraction of the local division of the loc			Stop Fr
6.1					3.000000000 G
tart 30 MHz				Stop 3.000 GHz	CF Ste
Res BW 1.0 MHz	#VE	W 1.0 MHz	Sweep 5.	333 ms (40000 pts)	297.000000 MI
DE MARCE HAR BOOK	x		SUNCTION EXPERIMENT	EUNPHONINGUE -	Auto Ma
	1.728 29 GHz 1.692 57 GHz	28.042 dBm			in the second second
3 4					Freq Offs
5					01
6 7					
8					
0					
2		H)			
ø			STAT	15	

3GHz~20GHz_Band4_10MHz_QPSK_1_0_HighCH20350-1750



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30MHz~3GHz_Band4_15MHz_QPSK_1_0_LowCH20025-1717.5

Frequency	04:55:36 PN Aug 20, 2018 TRACE 1 2 3 4 5 6	ALIGN AUTO	Avg T		SENSE:0			r Analyzer - Se P 50 c		L
Auto Tun	DET P NNNN	1/1	AvgiH		Trig: Free Run #Atten: 20 dB	NO: Fast Gain:Low	P			
	2.786 01 GHz -43.764 dBm	Mkr2		÷				of Offset 1 ef 23.90		B/div
Center Fre				1						
1.515000000 GH				+			-			-
-	-13.00 dBm		-	-						
Start Fre 30.000000 MH										
30.00000 MP	2			-1			-			
Stop Fre	-	and in street,	-	با لي		and the second	- La plante	uninted	i uti intel	
3.00000000 GH										
CF Ste 297.000000 MH	Stop 3.000 GHz 3 ms (40000 pts)	weep 5.3			1.0 MHz	#VBW		MHz	MH: W 1.0	
Auto Ma	FUNCTION WALLE	NOW WORK	TION	FUN	The second second		×			
Freq Offs					28.417 dBm 43.764 dBm	6 GHz 1 GHz	1.711 0 2.786 0		1	NN
01			_			_		-		
7			_					-		-
					10				-	_

3GHz~20GHz_Band4_15MHz_QPSK_1_0_LowCH20025-1717.5

0 0	an was strategies								nafyzer - See 50 G	pectrum A		R
Frequency	0 PN Aug 20, 2018 RACE 1 2 3 4 5 6 TIPE NWWWW DET P NNNNN	TR	e: Log-Pwr i: 1/1	Avg Ty Avg Ho	Run	Trig: Free	O: Fast	pc Pl	50.0	10		R
Auto Tun	04 0 GHz 779 dBm	1 18.80	Mkr	15.352.00	dB	#Atten: 20	ain:Low	9 dB	Offset 13 23.90 c		B/div	0 d
Center Fre 11.500000000 GH	_	-										og 13.9 1.90
Start Fre 3.000000000 GF	-13.00 dBH									-		8.10 16.1 26.1 36.1
Stop Fre 20.000000000 GH		ni di k an			in state		angi kan	w/rived		-	-	46.1 56.1
CF Ste 1.700000000 G Auto M	20.000 GHz (40000 pts)).33 ms (1.0 MHz	#VBW			00 GH / 1.0 N	s BV	tar
Freq Offs 01	-	EUNC	RETEXT VALUE FOR			-40.779 dB	GHz	18.804		128 (200) 1	N	
						н						78910
		5	STATUS									

30MHz~3GHz_Band4_15MHz_QPSK_1_0_MidCH20175-1732.5

0-0-	and the street second					an Sata an				ulyzer - Swee			
Frequency	PM Aug 20, 2018 RACE 1 2 3 4 5 6	TH	Log-Pwr	AvgT		SE:INT	1000000000	1		50 12	RF		RL
Auto Tu	DET P NNNNN	2	1/1	Avg H		dB	Trig: Free #Atten: 20	Fast	PNO				
	6 55 GHz 973 dBm		Mkr		125				dB m	offset 13. 23.90 d	Ref (3/div	0 dE
0					1								og 13.9
Center Fr 1.515000000 G													1.90
													10
Start Fr	-13.00 dBH				+			-	_		-	_	6.1
30.000000 N	- 1	.2			1								26.1
		¢²			÷							-	1.8
Stop Fr		-	the second second second	-	14			a uth under	- When we have	-		de mil	46.1
3.000000000 G													56.1
					_			-				-	6.1
CF St	3.000 GHz	Stop	1010	×.						10		t 30 I	
297.000000 N Auto N	(40000 pts)						1.0 MHz	#VBW		HZ	1.0 M		
	TON WALLE	FUNC	CTION WOTH	TION	FUNC	Bm	28.472 dE	Hz	1.726 06 0		1	N	
Freq Off				-		lm	38.973 dE	iHz	2,426 55 0		1	N	2
0				-		-		_				-	4
9				-		-		_				-	
				-		-		-				-	6 7 8 9
												-	10
						+	H.				+ +		1
			STATUS										90

3GHz~20GHz_Band4_15MHz_QPSK_1_0_MidCH20175-1732.5

Hz Auto Tune	56 PM Aug 20, 2018	04	ALTEN AUTO			547		pc	Analyzer - See	RJ RJ	
Hz Auto Tune	TRACE 1 2 3 4 5 6 TYPE NWWWW	_	e: Log-Pwr d: 1/1	Avg 1 Avg H	Run	Trig: Free	Fast	PN		1 17	
Auto Tun				25.5557	dB	#Atten: 2	in:Low	IFG			
	360 8 GHz).935 dBm	1 19	Mkr					9 dB Brn	Offset 13. 23.90 c	Ref	B/div
Center Fre		-									1
11.50000000 GH	-	-	-	-				-			-
2	-13.00 dBm									_	
Start Fre 3.000000000 GH											
3.00000000 GF	↓1	-									_
Stop Fre	-	-	-	-	-	-	Augura and	-	-	-	-
20.000000000 GH											
CF Ste 1.70000000 GF	20.000 GHz	Sto 9.33 r	Sweep 29			1.0 MHz	#VBW			000 GH	
Auto Ma	NOTION MULTER		NCIDRIMATH	CHON				×		TRU SOU	
-					lm	-40.935 dE	GHz	19.360 8		1	N
Freq Offs 01		-		_	-		-		-	-	
1		-		-	-					-	-
		-			-		-		_		
						H.					

30MHz~3GHz_Band4_15MHz_QPSK_1_0_HighCH20325-1747.5

0.0								natyzer - Son			
Frequency	4:57:41 PH Aug 20, 2018 TRACE 1 2 3 4 5 6	/pe: Log-Pwr	A	E:INT	Trig: Free	NO: Fast	pc	50 Ω	RF	L	R
Auto Tun	DET PNNNN	2012/201		dB	#Atten: 20	NO: Fast	IFG				
Auto Tun	-37.528 dBm	Mkr2						Offset 13		B/div	0 d
Center Fre			1	1			1				og
1.515000000 GH		-							_	-	1.90
	-13.00 dBm	-					-		-		10
Start Fre											6.1 6.1
30.000000 MH											46.1 36.1
		- International									61
Stop Fre 3.00000000 GH			-					يتر و و و و و و و و و و			6.1
			-						-	-	6.1
CF Ste 297.000000 MH Auto Ma	Stop 3.000 GHz ms (40000 pts)	Sweep 5.3			.0 MHz	#VBW	67 - 20 	ЛНz	MHz 1.0 M	rt 30 I s BW	
Auto Mi	FUNCTION WALLE	UNCTION WOTH	INCTION		28,740 dB	CH-	1.741 06	_			1
Freg Offse					37.528 dB	1 GHz ·	2.425 8	_	Ŧ	NN	
01				-		_					4
2				-		_				-	6
				-		-				-	8
											2 3 4 5 6 7 8 9 0
		10000			н						
		STATUS									D

3GHz~20GHz_Band4_15MHz_QPSK_1_0_HighCH20325-1747.5

0.0					NAME OF	-		pt SA	Analyzer - See	int Spectrum	
Frequency	H Aug 20, 2018	TRAC	Log-Pwr	Avg Type Avg Hold	SE:INT	Trig: Free		pc	F 50 Ω	1	RL
10000000	ET P NNNN	D		Avginoid.	dB	#Atten: 20	O: Fast ain:Low	PN			
Auto Tun M Center Fre 11.50000000 GH	2 0 GHz 92 dBm	r1 3.482 -40.6	Mk						f Offset 13 of 23.90 c		
Center Fre											3
		; ;									0
<u>.</u>	-13.00 dBm										ł
Start Fre										_	t
3.000000000 GH										≜ ¹	I
			(days with a	-	-	-		-	All and	-	l
Stop Fre 20.000000000 GH										-	l
CF Ste	.000 GHz	Stop 20 33 ms (4	weep 29	S		1.0 MHz	#VBW			3.000 G BW 1.0	
Auto Ma				TION FUN				×			12
-					m	40.692 dE	GHz	3.482 (1	-
Freq Offs							_				
	-			_	-		_		-		_
					-		_				È
				_	-				-		
					+	HE.	-		+	-	+

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3GHz~20GHz_Band4_20MHz_QPSK_1_0_MidCH20175-1732.5

0.0	and the second second second	and the second second						natyzer - Swe			
Frequency	04:53:18 PN Aug 20, 2018 TRACE 1 2 3 4 5 6 TIPE NWWWW DET P NNNNN	LIGN AUTO	Avg T Avg He	e Run	Trig: Free	O: Fast	pc P	50 0	RF	L	P P
Auto Tur	19.247 7 GHz	Mkr	15.33344	0 dB	#Atten: 2	Sain:Low		Offset 13.	Ref		_
	-41.582 dBm						Bm	23.90 d	Ref	B/div	
Center Fr 11.500000000 G										-	3.9
7	-13.00 dBa										10
Start Fr											6.1 6.1
3.000000000 G	▲ 1										6.1 6.1
					-	-		malan			5.1
Stop Fr 20.000000000 G							_				5.1
CF St 1.700000000 0	Stop 20.000 GHz 33 ms (40000 pts)	weep 29.			1.0 MHz	#VBW			000 GH		
Auto N	EUNCTION VALUE	IC ION WORK	SUNCTION .		7		×		102 531		
				Bm	-41.582 dB	7 GHz	19.247		1	N	1 2 3
Freq Off				-		_					41
2						_					5 6 7
						_					8
				+							9
				+	H				-	-	1
		STATUS									0

30MHz~3GHz_Band4_20MHz_QPSK_1_0_HighCH20300-1745

GHz Auto Tune									knafyzer - Sv		
	TRACE 1 2 3 4 5 6	TRA	Log-Pwr	Avg	at:int]	7.04.7.7.7.7.7.7.5	-	2 pc	50.0	RF	L
Center Frequency Auto Tune Center Freq	DET P NNNNN	1	1/1	Avgi	dB dB	Trig: Free I #Atten: 20	NO: Fast Gain:Low	P IF			
	80 46 GHz .975 dBm		Mkr		25			3.9 dB dBm	Offset 1 23.90	Ref	B/div
				1						_	
1.515000000 GH						1					
Start Fre	-13.00 dBH			-	-			-		-	
30.000000 MF								-		-	-
-				1							
Stop Fre 3.000000000 Gi									-		-
CF Ste	p 3.000 GHz	Ston									1 30 1
	(40000 pts)	133 ms (1.0 MHz	#VBW			1.0 1	s BW
Land III	NCTION WALUE	FUNCT	CTION WOTH	NETION	m	28.147 dB	1 GHz	1.736 3		100	N
Freq Offs					m	37.975 dBr	6 GHz	2.480	-	1	N
					-		_				
		_		_	-		_			-	-
				_	-					-	-
						н.					

	PNNNN	DE			#Atten: 20 dB	IFGain:Low					
Auto Tun	78 GHz 5 dBm	2 1.746	Mkr	÷				Ref Offse Ref 23.9		B/div	10 d
Center Fre 1.515000000 GH				1						⊢	13.9 3.90
Start Fre 30.000000 MH	-13.00 dBH			♦ ²							-6.10 -16.1 -26.1 -36.1
Stop Fre 3.000000000 GH			م. د در می رندون	/leaner		11.11.11.11.11.11.11.11.11.11.11.11.11.				-	-46 1 -56 1 -66 1
CF Ste 297.000000 MH Auto Ma		333 ms (4	Sweep 5.3		1.0 MHz	#VBV		.0 MHz	W 1	nt 30 IS BI	#Re
Freq Offse 0 H		FUNCTO	AND TOON WROTH	FUNCTION	27.843 dBm -34.675 dBm	1 28 GHz 6 78 GHz	1.71 1.74	1		NN	1 2 3 4 5 6
											7 8 9 10 11
	-		STATUS		H					_	450

30MHz~3GHz_Band4_20MHz_QPSK_1_0_LowCH20050-1720

PNO: Fast --- Trig: Free Run

Avg Type: Log-Pw

Frequen

3GHz~20GHz_Band4_20MHz_QPSK_1_0_LowCH20050-1720

0 0									Analyzer - See		
Frequency	PN Aug 20, 2018 ACE 1 2 3 4 5 6 YPE NWWWW DET P NNNNN	TRA	Log-Pwr	Avg Ty	Run	1.00	O: Fast	pc	50.0	1	RL
Auto Tun	39 3 GHz 620 dBm	1 18.96	st/a).		dB	#Atten: 2	iain:Low	9 dB	f Offset 13		dB/d
Center Fre 11.50000000 GH									20.00		3.9
Start Fre	-13.00 dBm	-									6.1
3.000000000 GH	A ¹										6.1
Stop Fre 20.000000000 GH		-	-	-	quintum	viccilletor			ينتجزوان		6.1 6.1
CF Ste 1.700000000 Gi Auto Mi	0.000 GHz 40000 pts)	.33 ms (4				1.0 MHz	#VB\		MHz	3.000 G 3W 1.0	tart 3 Res I
Freq Offs	TION WALKE	FUNCT	CTOR WOTH	CTION		-41.620 dE	3 GHz	× 18.969		C 1138 129 1	2 3 4 5
											6 7 8 9 0
			STATUS	-	+	н	1		+	+ +	

30MHz~3GHz_Band4_20MHz_QPSK_1_0_MidCH20175-1732.5

Keysight Spectrum Analyzer - 5		Contraction and the	17 1000 A.	a management and a state of the state of the	
RL RF 50	12 DC	SENSE:INT	Aug Type: Log-Pwr	TRACE 1 2 3 4 5 A	Frequency
	PNO: Fast IFGain:Low	#Atten: 20 dB	Avg Hold: 1/1	DET P NNNN	1000000000
Ref Offset			Mk	r2 1.759 55 GHz -33.905 dBm	Hz Auto Tu
og			1		-
3.9					
10					1.51505000 01
5.1				-13.00 dBH	
6.1			2		Start Fre 30.000000 MH
61					30.000000 MP
61	In Just with the set		1 la	-	
6.1	and the second designation is the second designation of the second designation of the second designation of the	Contraction of the local division of the loc			Stop Fre
6.1					3.00000000 GH
tart 30 MHz				Stop 3.000 GHz	CF Ste
Res BW 1.0 MHz	#VE	W 1.0 MHz	Sweep 5	.333 ms (40000 pts)	297.000000 MH
OF MODE THE SOL	×		FUNCTION FUNCTION WOT	+ FUNCTION WALLE	Auto Ma
	1.723 83 GHz 1.759 55 GHz	27.910 dBm -33.905 dBm			
3 4					Freq Offse
5					0,
7					
8					
10					
<u> </u>		н.			
10			STAT	U5	

3GHz~20GHz_Band4_20MHz_QPSK_1_0_HighCH20300-1745

2 6 GHz Auto Tune		A CONTRACTOR OF THE	-	Section 1				nalyzer - Sive		
Frequency	04:54:37 PN Aug 20, 2018 TRACE 1 2 3 4 5 6 TUPE N WWWWWW	Log-Pwr	Avg Typ	Run	Trig: Free		pc	50 12	RF	L
6333593559	DET P NNNNN		CARILICIC	dB	#Atten: 20	O: Fast	IFC			
GHz Auto Tune	-39.895 dBm	Mkr					9 dB IBm	Offset 13. 23.90 d	Ref	B/div
Center Fre										
11.500000000 GH										
	-13.00 dBm									
Start Fre									-	F
3.000000000 GH									1	
				-						
Stop Fre									-	
20.00000000 GH										⊢
CF Ste 1.70000000 GH	Stop 20.000 GHz 33 ms (40000 pts)	veep 29.	s		1.0 MHz	#VBW			00 GH	
Auto Ma		Inconside		FUNC	The second s		×		180 200	NODCO
-				3m	-39,895 dE	6 GHz	3.472		1	N
Freq Offse				-					-	
				-					-	
			_	-		_			_	
	· · ·			+	H				-	-
		STATUS								

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30MHz~3GHz_Band5_1_4MHz_QPSK_1_0_LowCH20407-824.7

3456 Frequency NNNN Auto Tune							trum Analyzer - Se	
	08:52:25 PH Aug 20, 2018 TRACE 1 2 3 4 5 6	ALIGN AUTO	Avg	SENSE:IN	-	pc	RF 50.0	RL
	DET P NNNNN	ld: 1/1	Avgi	Trig: Free Run #Atten: 20 dB	O: Fast	PA		
Hz Auto Tun	2.472 96 GHz -33.434 dBm	Mkr2					Ref Offset 13 Ref 23.60) dB/div
						1		36
								160
1.010000000								40
	-13.00 dBm					-	_	6.4
Start Fre 30.000000 MH	A2							6.4
30.000000 MP	•							64
		-	-	Now of the last				E.4
Stop Fre					and the second s	Cinterior Party	-	5.4
3.00000000 GH		_					_	6.4
CF Ste	Stop 3.000 GHz		170	and a second second	and a strength			tart 30 M
297.000000 MH Auto Ma	33 ms (40000 pts)	Sweep 5.3		1.0 MHz	#VBW		1.0 MHz	Res BW
Paulo ma	EUNITION VALUE	UNCTION WOTH	FUNCTION	28.040 dBm		824.49	100	DE MOICE IN
Freq Offse				-33.434 dBm	GHz	2.472 9	1 i	1 N 2 N
OH								2 N 3 4 5 6 7 8 9 0
	1							6
					-			7
								9
								1
L		1.000		H.				
		STATUS						0

3GHz~20GHz_Band5_1_4MHz_QPSK_1_0_LowCH20407-824.7

0	PM Aug 20, 2018		ALIGN AUTO						Analyzer - See	Spectrum		E Sie
Frequency	UCE 1 2 3 4 5 6 TYPE NWWWW DET P NNNNN	THA	: Log-Pwr	Avg Ty Avg Hol	Run	Trig: Free	IO: Fast 😁	P	20.14	1 .80		
Auto Tu	80 0 GHz 982 dBm	1 18.98	Mkr	19:53-01-	dB	#Atten: 20	iain:Low	6 dB	f Offset 13. f 23.60 d		B/div	0 d
Center Fr 11.500000000 G												13.6
Start Fr	-13.00 dDm	-								_		5.4D
3.000000000 G	● ¹											26.4 36.4
Stop Fre 20.000000000 G			liotaniju tur	and sind and		والالبيال				Aleria a		6.4 6.4
CF Sto 1.700000000 GI Auto M	0.000 GHz (40000 pts)		weep 29			1.0 MHz	#VBV			000 G W 1.0	rt 3.0	tar
Auto M	TION WALLE	FUNCT	ICTION WOTH	TION		-41.982 dE	GHz	× 18.980		tine inter	N	1
Freq Offs 01					-							2345
	=											6 7 8 9
						н.						10
		5	STATUS									20

30MHz~3GHz_Band5_1_4MHz_QPSK_1_0_MidCH20525-836.5

0.0	Control State States							zer - Swept		ht Spect	
Frequency	PH Aug 20, 2018	THA	ype: Log-Pwr old:>1/1	A	Trig: Free Ru	O: Fast Ca		50 12	RF		RL
	DET P NNNNN		56732255	. 8	#Atten: 20 dB	ain:Low					
3455 Frequency NNNN SHZ Bm Center Fre	23 GHz 62 dBm		Mkr					set 13.6 3.60 dE			B/d
Center Fr							1				'L
1.515000000 G		-					_	_	_		-
-	-13.00 dBm		-					-	-		-
Start Fr		A2									۴E
30.000000 M		•									
Stop Fr 3 000000000 G								-		-	1
3.00000000 G							-	-	-		4
CF St	3.000 GHz	Stop 3	ula nana	110	Second State	Report to Pa				30 MI	
297.000000 M Auto M			Sweep 5.3		1.0 MHz	#VBW		z	.0 MH		
Londo.	ON WALKE	FUNCT	FUNCTION WOTH	FUNCTION	28 238 dBm	MHz	836.23		1		N
Freq Offs					-31.962 dBm	GHz	2.508 23		1	1	N
0										-	
1						_				-	-
						_					
			STATUS		H						
			STATUS								1

3GHz~20GHz_Band5_1_4MHz_QPSK_1_0_MidCH20525-836.5

9.816 8 GHz Auto Tune	08:54:10 PM Aug 20, 2018	ALTEN AUTO		SENSE:IN	100		pc [natyzer - See 50 G	RF		R
Frequency	TRACE 1 2 3 4 5 6 TYPE NWWWW	/pe: Log-Pwr ild: 1/1	A	Free Run		NO: Fast =	р			10	
Auto Tur		9279.74A	G 283	en: 20 dB	#Att	Gain:Low					_
GHZ Auto Tun	19.816 8 GHz -41.216 dBm	Mkr						Offset 13 23.60 c		B/div	di
Center Fre					-				_	-	3.6
11.500000000 GH			-		-	-	-			-	60
2	-13.00 dBm			_	-				_		40
Start Fre											5.4
3.00000000 GH											5.4
Stop Fre	and the second second	and the state of the	-		-	-	-	-	-	-	5.4
20.000000000 Gi								- 411-14		- 11	5.4
CF Ste 1.70000000 GI	Stop 20.000 GHz 33 ms (40000 pts)	Sweep 29.		ИНZ	W 1.0 M	#VB			00 GH		
Auto Ma	FUNCTION WALUE	UNCONTRACTOR	FUNCTION				x		100 100		H.
Freq Offs				16 dBm	-41.2	8 GHz	19.816		1	N	2
01				-		-			-		4
1				-		-			-	-	6
						-			_		8
						_				_	0
		STATUS	_	6. – ¹	н						

30MHz~3GHz_Band5_1_4MHz_QPSK_1_0_HighCH20643-848.3

	ectrum Analyzer -							io-42 📓	
RL	RF 51	D D DC		1	SENSE:INT	Avg Type: Log-Pwr	08:54:37 PH Aug 20, 2018 TRACE 1 2 3 4 5 6	Frequency	
			PNO: Fast IFGain:Low	#Atten	ree Run : 20 dB	Avg Hold: 1/1	DET P NNNNN	Auto Tur	
Ref Offset 13.6 dB Mkr2 2.543 87 GHz 0 dB/div Ref 23.60 dBm33.548 dBm									
36			1					Center Fre	
.60				-				1.515000000 GH	
40		-		-			-13.02 d0m		
6.4							•2	Start Fre	
6.4							•	30.000000 MH	
5.4		and united	lun and	uites barrelle de	and all all		and the second second	Stop Fred	
0,4								3.000000000 Gi	
6.4		1							
tart 30 I Res BW	MHz 1.0 MHz	1.02	#VI	SW 1.0 MH	Hz	Sweep 5.	Stop 3.000 GHz 333 ms (40000 pts)	CF Ste 297.000000 Mi Auto Mi	
	10 500		8.03 MHz	28.045		NCTION FUNCTION WOTH	FUNCTION WALUE	Auto Mi	
	î.		3 87 GHz	-33,548	dBm			Freq Offs	
4					_			01	
6					_			-	
2 N 3 4 5 6 7 8 9 0	_								
1									
				H					

3GHz~20GHz_Band5_1_4MHz_QPSK_1_0_HighCH20643-848.3

0.0		A COMPANY OF THE REAL PROPERTY OF				222	pt SA	Analyzer - See	sight Spectrum	
Frequency	08:55:04 PH Aug 20, 2018 TRACE 1 2 3 4 5 6	Log-Pwr	Avg Type	SE:INT	70000000000		DC	50 12		
	DET P NNNN	1/1	Avg Hold:		Trig: Free #Atten: 20	O: Fast				
Auto Tur	Ref Offset 13.6 dB Mkr1 19.558 4 GHz 0 dB/div Ref 23.60 dBm -41.090 dBm									
Center Fre										
11.500000000 GH									-	
	-13.00 dDm								_	
Start Fre										
3.00000000 GH	●1									
Stop Fre	anima and a second s		-	-		-	-	-	-	
20.000000000 GH										
CF Ste 1.70000000 GF	Stop 20.000 GHz 33 ms (40000 pts)	weep 29.	S		1.0 MHz	#VBW			3.000 G	
Auto Ma	FUNCTION WALLE	HORN DOR	TION		T.		×			
Freq Offs			_	lm	-41.090 dE	4 GHz	19,558		N 1	
01			_	-		-				
7			-	-		-				
			_	-		-				
		STATUS			H					

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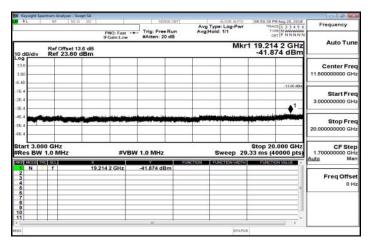
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30MHz~3GHz_Band5_3MHz_QPSK_1_0_HighCH20635-847.5

Frequency	TRACE 1 2 3 4 5 6		Avg Type	sa::twt]	SEN		DC .	F 50 C	P	L
	DET P NNNNN	1/1	Avg Hold:	Run	#Atten: 20	IO: Fast 😁				
Auto Tun	539 04 GHz 33.497 dBm							f Offset 1 f 23.60		B/div
Center Fre 1.515000000 GH							1			
	-13.00 dBm				-				_	
Start Fre 30.000000 Mi	2									
Stop Fr 3.000000000 G							-	الزان المراجع الم		
CF Ste 297.000000 Mi Auto Mi	op 3.000 GHz ns (40000 pts)	eep 5.333	SV TION FUN		1.0 MHz		×	1	MHz N 1.0	s BV
Freq Offs 01				im Im	28.092 dB -33.497 dB	MHz 1 GHz	846.40 2.639 04		1 1	NN

30MHz~3GHz_Band5_3MHz_QPSK_1_0_LowCH20415-825.5

	rept SA				0 0 4
RL RF 50 G	PNO: Fast	Trig: Free Run	Avg Type: Log-Pwr Avg Hold: 1/1	08:44:50 PM Aug 20, 2018 TRACE 1 2 3 4 5 6 TIPE NWWWW DET P NNNNN	Frequency
Ref Offset 1: dB/div Ref 23.60	IFGain:Low 3.6 dB	#Atten: 20 dB	Mkr	2 2.472 81 GHz -33.438 dBm	Frequency Auto Tun Center Fre 1.515000000 GH Start Fre 30.000000 MH Stop Fre 207.000000 MH Auto Tun Frequency
9 Rei 23.00	1			00.400 0.511	
6					Center Fre
0					1.515000000 GH
10				-13.00 dBm	
4				•2	Start Fre
4				•	30.000000 MH
4	4	1	1000		30.000000 MH: Stop Free 3.00000000 GH:
-	And the second designation of the second designation of the second designation of the second designation of the		and the second se		
4				· · · ·	3.000000000 GH
art 30 MHz	10			Stop 3.000 GHz	CF Ste
tes BW 1.0 MHz	#VBV	V 1.0 MHz	Sweep 5.3	33 ms (40000 pts)	297.000000 MH
	X	27.969 dBm	NCTION FUNCTION WOTH	FUNCTION WALLE	Auto Ma
	824.49 MHz 2.472 81 GHz	-33.438 dBm			Eron Office
2 N t					
2 N f					
2 N f					
2 N 1 1 3 4 5 6 7 7					
N 1 f 3 4 5 6 7 8 9					
2 N f		н.			он

3GHz~20GHz_Band5_3MHz_QPSK_1_0_LowCH20415-825.5

0.0					an Makang				Analyzer - Sore		
Frequency	MAug 20, 2018 CE 1 2 3 4 5 6 PE MWWWWW	THA	Log-Pwr	Avg Typ	Run	1.00	IO: Fast 😁	pc	50 Ω	RI	RL
Auto Tun	6 8 GHz 19 dBm	1 19.47	5.7.91		dB	#Atten: 2	iain:Low	6 dB	f Offset 13. ef 23.60 c		dB/di
Center Fre 11.500000000 GH											9 3.6 60
Start Fre 3.000000000 GF	-13.00 dBn										40 5.4 5.4
Stop Fre 20.000000000 GH			-		i di primitaj	10.000 Vilia	i na ini na i	نيد بال انيية		-	5.4 5.4
CF Ste 1.700000000 GH Auto Mi	0.000 GHz 0000 pts)	.33 ms (4	weep 29		FUS	1.0 MHz	#VBV	×	MHz	.000 GI	tes B
Freq Offs 0 F					3m	-41.719 dE	3 GHz	19.476		11	N 2 3 4 5
						н					7 8 9 0
		ł.	STATUS								à

30MHz~3GHz_Band5_3MHz_QPSK_1_0_MidCH20525-836.5

	ectrum Analyzer	- Swept SA			and the second				0 0 2
RL	RF 5	a a pc		1 100-00200	esa::tht	Auton Auto Avg Type: Log-Pwr	CE:50:06 PN A	23456	Frequency
			PNO: Fast IFGain:Low	#Atten: 2	Run 0 dB	Avg Hold: 1/1	DET	PNNNNN	0.000
10 dB/div	Ref Offset	13.6 dB	59			Mk	r2 2.506 0 -32.932		Auto Tun
og			11						
13.6									Center Fre
3,60		-		-					1.515000000 GH
6.40	-	-		-			-	-13.00 dBm	
16.4		-		-			1 122		Start Fre
26.4		-		-					30.000000 MH
36.4	_						- T		0.000.000000000000000000000000000000000
46.4				Las de calification est		a has seen how a second second		أخسبتهم	Stop Free 3.000000000 GH
55.4	-	and the second se	-						
66.4									
									2
Start 30 I	1.0 MHz		#1/1	SW 1.0 MHz		Swaan 5	Stop 3.0 .333 ms (400		CF Ste 297.000000 MH
				500 1.0 10112					Auto Ma
1 N	1 500	8.	5.41 MHz	28.086 dE		NCTION FUNCTION WOT	FUNCTION	MUUE - I	
2 N	i i	2.5	06 00 GHz	-32.932 dE	lm				Freq Offse
3 4					-				OF
5			-		_				01
7			-						
6 7 8 9	++				-		-		
10									
11	+ +			10	-		1		
						STAT			

3GHz~20GHz_Band5_3MHz_QPSK_1_0_HighCH20635-847.5

RL	RJ 50 1			SENSE		ALTON AUTO	1	0 0 0
RL	RP 501	P	NO: Fast	Trig: Free R	ave Ave	Type: Log-Pwr Hold: 1/1	08:51:31 PN Aug 20, 2018 TRACE 1 2 3 4 5 6 TYPE NWWWWW	Frequency
dB/div	Auto Tune							
9 3.6 60								Center Free 11.500000000 GH
40							-13.00 dBm	0
6.4							▲ ¹	Start Free 3.000000000 GH
								Stop Fre 20.000000000 GH
art 3.000 es BW 1			#VBW	1.0 MHz	. 10	Sweep 2	Stop 20.000 GHz 9.33 ms (40000 pts)	CF Ste 1.70000000 GH
N	E00	19 177	2 GHz	-41.032 dBm		FUNCTION WOTH	FUNCTION VALUE	Auto Ma
								Freq Offse 0 H
5 6 7 8								
0				H.	-	1		

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台灣檢驗科技股份有限公司

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Ref Offset 13.6 d Ref 23.60 dB

tart 30 MHz Res BW 1.0 MHz

NN

3GHz~20GHz_Band5_5MHz_QPSK_1_0_MidCH20525-836.5

Reysight Spi R.L.	ectrum Analyzer - 5						0.0	
RL	RF 50	PNO: Fast	Trig: Free Ru	Ave Ave	Type: Log-Pwr Hold: 1/1	08:42:46 PM Aug 20, 2018 TRACE 1 2 3 4 5 6 TIPE MWWWW DET P NNNNN	Frequency	
If Gaint Cov #Atten: 20 dB Cell P MANN 10 dBJdiv Ref 23.60 dB 44.552 dBm -41.552 dBm								
og 13.6 1.60							Center Fr 11.50000000 G	
6.40	_		_	-	_	-13.00 dBm		
6.4						▲ ¹	Start Fr 3.000000000 G	
5.4 5.4				-	independente	and the state of the	Stop Fr 20.000000000 G	
art 3.00 Res BW	0 GHz 1.0 MHz	#VB	W 1.0 MHz		Sweep 29	Stop 20.000 GHz .33 ms (40000 pts)	CF St 1.700000000 G	
		18.866 5 GHz	-41,552 dBm	FUNCTION	FUNCTION WOTH	EUNOTION WOULE	Auto N	
2 3 4 5							Freq Off: 0	
5 6 7 8 9								
1	1		н		1			
c					STATUS			

30MHz~3GHz_Band5_5MHz_QPSK_1_0_HighCH20625-846.5

R L	ectrum Analyzer	- Swept SA			ana int		A TISK AUTO		Aug 20, 2018	
nL.	10	sust pc [PNO: Fast				Log-Pwr	TRACE	1 2 3 4 5 6 NWWWW	Frequency
			IFGain:Low	#Atten:	20 dB	2018 0000		DE	PNNNN	
dB/div	Ref Offse		20				Mkr	-32.81	33 GHz 9 dBm	Auto Tur
9		1	1							
36										Center Fre
60		-		-		-				1.515000000 GH
40		-	1	-		-			-13.00 d0m	Q
5.4	-	-		-		-				Start Fre
5.4		-		-	-	-				30.000000 Mi
6.4		-		-	-	-		_ I _		
5.4		and Sundaland	-	det and all and follows	I Barrel attended	and the local base	and international	not support	-	Stop Freq 3.000000000 GHz
5.4										
6.4	_	_	_		_	-				
art 30 I								Ptop 2	000 GHz	CF Ste
	1.0 MHz		#V	BW 1.0 MH	z	S	weep 5.3			297.000000 M
OF INCOME IN						NCTION FUN		FUNCTIO		Auto Mi
1 N	1	84	44.47 MHz	27.455	dBm			T GIVE T S		
2 N	1	2.6	33 33 GHz	-32.819	dBm					Freq Offs
2 N 3 4 5 6 7 8 9 0					_					01
6										
7					_					
9										
0										
				H.						
a l							STATUS			

3GHz~20GHz_Band5_5MHz_QPSK_1_0_LowCH20425-826.5

30MHz~3GHz_Band5_5MHz_QPSK_1_0_LowCH20425-826.5

PNO: Fast ---- Trig: Free Run IEGalari ow #Atten: 20 dB

#VBW 1.0 MHz

824.57 MHz 2.473 11 GHz

28.099 dBm -33.454 dBm

Avg Type: Log-Py Avg/Hold: 1/1

Mkr2 2.473 11 GHz -33.454 dBm

Stop 3.000 GH Sweep 5.333 ms (40000 pts

) pts

Frequ

Auto Tur

Center Fre Start Fre

Stop Fre

CF Step

Freq Offs OH

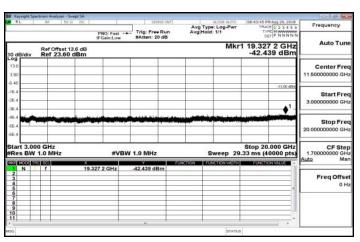
M

Reysight Spectrum Analyzer - Swep RL RF 50 Q	n SA DC	SENSE-INT	ALTON AUTO	08:41:49 PM Aug 20, 2018	
10 10 10 10 10 10 10 10 10 10 10 10 10 1	PNO: Fast	Trig: Free Run	Avg Type: Log-Pwr Avg Hold: 1/1	TRACE 1 2 3 4 5 6 TYPE NWWWW DET P NNNNN	Frequency
Ref Offset 13.0 dB/div Ref 23.60 d	IFGain:Low 5 dB	#Atten: 20 dB	Mkr1	19.062 9 GHz -42.048 dBm	Auto Tun
9 16 50					Center Fre 11.500000000 GR
4				-13.00 dBm	Start Fre 3.000000000 Gi
					Stop Fr 20.000000000 G
art 3.000 GHz tes BW 1.0 MHz	#VBW	1.0 MHz	Sweep 29.3	Stop 20.000 GHz 33 ms (40000 pts)	CF St 1.700000000 G Auto M
N 1 7 2 3 4 6 6 7 8	19.062 9 GHz	-42.048 dBm			Freq Offs 0
6 8 9 9 9 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0		н	STATUS	!	

30MHz~3GHz_Band5_5MHz_QPSK_1_0_MidCH20525-836.5

Keysight Spectrum Analyz			10 10 10 10 10 10 10 10 10 10 10 10 10 1	and contraction of the second	-o-di 🔐
RL R/	50.0 DC	SENSE:INT	Avg Type: Log-Pwr	08:42:22 PM Aug 20, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast IFGain:Low	#Atten: 20 dB	Avg Hold: 1/1	DET P NNNN	
	et 13.6 dB .60 dBm		Mkr	2 2.503 18 GHz -34.596 dBm	Auto Tun
og go	1				120000000000000000000000000000000000000
3.6					Center Fre
1.60					1.515000000 GH
40				-13.00 dBm	<i>6</i>
6.4					Start Free
8.4					30.000000 MH
6.4		1			
	AND DESCRIPTION OF THE OWNER OF T	a manufacture and a second	No. of Concession, Name		Stop Free 3.000000000 GHz
6.4					
6,4					
tart 30 MHz	10 10 second	and the second	10 and and	Stop 3.000 GHz	CF Ste
Res BW 1.0 MHz	: #VE	BW 1.0 MHz	Sweep 5.	333 ms (40000 pts)	297.000000 MH
00 MODE 1192 SOL	X		UNCTION FUNCTION WOTH	FUNCTION WALLE	Auto Ma
	834.59 MHz 2.503 18 GHz	28.213 dBm -34.696 dBm			land a state of the second
3 4					Freq Offse
5					01
6 7					-
8					
10					
<u> </u>				· · · · ·	
			STATU		

3GHz~20GHz_Band5_5MHz_QPSK_1_0_HighCH20625-846.5



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30MHz~3GHz_Band5_10MHz_QPSK_1_0_LowCH20450-829

0 0									nutyzer - Swe		sight sp
Frequency	08:07:42 PN Aug 20, 2018 TRACE 1 2 3 4 5 6 TYPE MWWWWW	ALIGN AUTO pe: Log-Pwr id: 1/1		• Run	0.000	Fast -	DAVO	pc	50 0	RF	
Auto Tur	DET PNNNNN	23/27/42		0 dB	#Atten: 2	n:Low	IFGa				
Center Free 1.515000000 GH	2 2.473 78 GHz -33.556 dBm	Mkr2					13		Offset 13.		3/div
Contex Fre							1				
					1						
	-13.00 dBn		_	-		_				-	-
	▲ ²		_		-					_	
30.00000 mil		_									-
Pton Err	and the second second second		a and because								
						a second second	-		Construction of the local division of the lo	-	-
3.0000000 GP		-	_	-			-			-	-
CF Ste	Stop 3.000 GHz		37		Same			0		ЛНz	t 30 I
297.000000 MH	33 ms (40000 pts)	Sweep 5.3		8	1.0 MHz	#VBW			AHz	1.0 1	s BW
Auto Ma	FUNCTION WALVE	UNCTION WOTH	FUNCTION					x			10103
				Bm	28.066 d8	3Hz	4.79	2.47		1	NN
Freq Offs				-		-					-
						-				-	
				-							-
				-		-					-
					н.						
		STATUS									

3GHz~20GHz_Band5_10MHz_QPSK_1_0_LowCH20450-829

0 0	M Aug 20, 2018	1	ALTISN AUTO						Analyzer - See	Spectrum		E SG
Frequency	PE NNNNN	TRAC	Log-Pwr	Avg Typ Avg Hol	Run	0.000	IO: Fast -	P	F 20.14	1 10		
Auto Tur	7 7 GHz 37 dBm	1 18.94	Mkr		J GB	RAtten: 2	sain:Low	6 dB	f Offset 13 ef 23.60 c		B/div	10 d
Center Fre 11.500000000 Gi											-	.og 13.6 3.60
Start Fre	-13.00 dDm	_								_		5.40 16.4
3.000000000 Gi	▲ 1											26.4 36.4
Stop Fre 20.000000000 Gi			-		tilmotroin					-	-	46.4 56.4
CF Ste 1.700000000 G	.000 GHz 0000 pts)	Stop 20 33 ms (4	weep 29.			1.0 MHz	#VB			000 GI N 1.0		ta
Auto Ma	ON WALKE	EUNCT	CONVECTED	CTION FI	FUN	-41.537 de	GHz	× 18.947		1	N	1
Freq Offs 01												2345
	=											6789
						н						10
			STATUS									90

30MHz~3GHz_Band5_10MHz_QPSK_1_0_MidCH20525-836.5

0.0	anna aireanna a	440000		-				utyzer - Swe			
Frequency	M Aug 20, 2018 CE 1 2 3 4 5 6	TRA	ALIGN AUTO Type: Log-Pwr fold: 1/1	Ave	SENSE:0	-	pc.	50 12	RF	L	R
Auto Tun	ET P NNNN	0	lold: 1/1	n Avg	#Atten: 20 dB	IO: Fast ⊶ ain:Low					
	50 GHz 81 dBm		Mkr					ffset 13.		B/div	0 d
Center Fre							1				og 13.6
1.515000000 Gi									_	_	1.60
	-13.00 dBm			_					_		40
Start Fre		•2								-	E.4
30.00000 Mi		- * ²									26.4
				I .							16.4
Stop Fr			And the second second			teret Manager	and proteins	, ا فتر بنیار	-	-	5.4
3.000000000 G			-				_		_	-	6.4
CF St	.000 GHz	Stop 3			Same and a	14407-4770	-		MHz	t 30	tar
297.000000 M Auto M		33 ms (4	Sweep 5.3		1.0 MHz	#VBV		Hz	1.0 M	-	
CORAE. III	SIT WALLER	FUNCT	FUNCTION WOTH	FUNCTION	28,381 dBm	MHz	832.29			N	1
Freq Offs					-32.681 dBm	GHz	2.496 50		1	N	23
01	_				-	-					4
9					-	-					67
						-					8
										-	10 11
	1.1				н						-
			STATUS								0

3GHz~20GHz_Band5_10MHz_QPSK_1_0_MidCH20525-836.5

0.0	08:09:57 PM Aug 20, 2018	ALTISN AUTO			543		DC	Analyzer - See 50 G	R	L
Frequency	TRACE 1 2 3 4 5 6 TYPE NWWWWW DET P NNNNN	Log-Pwr 1/1	Avg Ty Avg Ho	Run	Trig: Free	O: Fast	P			
Auto Tun			0.565.07	0 dB	#Atten: 2	ain:Low	IFO			
	19.130 9 GHz -42.034 dBm	MK						Offset 13. f 23.60 c		B/dir
Center Fre										-
11.50000000 GH			-	-	, ,				-	-
	-13.00 dDm		-							
Start Fre 3.000000000 Gi										
3.00000000 01										
Stop Fre	Constant of the local division of the local		all and the		-	-	-	-	-	-
20.00000000 G										
CF Ste 1.70000000 GI	Stop 20.000 GHz 33 ms (40000 pts)	weep 29.	1		1.0 MHz	#VBW	<u>.</u>		000 G W 1.0	
Auto Mi		CONTRACTOR I			T.	_	×			
				Bm	-42.034 de	GHz	19,130		1 1	N
Freq Offs 01			-	+		-		-		_
7			_	-		-				
			_	-						
						_				_
		STATUS			H					

30MHz~3GHz_Band5_10MHz_QPSK_1_0_HighCH20600-844

	ectrum Analyzer -							0.0
RL	RF 51	D DC		SENS		ALIGN AUTO	08:10:27 PH Aug 20, 2018 TRACE 1 2 3 4 5	Frequency
		1	PNO: Fast 😁 FGain:Low	#Atten: 20	tun A	vg Hold: 1/1	DET P NNNN	
dB/div	Ref Offset Ref 23.6					Mkr	2 2.519 07 GHz -34.618 dBm	
36		-	1					Center Fre
60								1.515000000 G
40				-			-13.00 dBn	
5.4							•2	Start Fr
5.4							♦ ²	30.000000 Mi
.4		and the second	And a statistic to a	And designed and the second second		and the second second	ساوري ويتباره ويرابع والمحير	Stop Fr
4								3.000000000 G
art 30 I Res BW	MHz 1.0 MHz	62	#VBV	V 1.0 MHz	22	Sweep 5.	Stop 3.000 GHz 333 ms (40000 pts	
	12 SCI	810	79 MHz	28.516 dBr		FUNCTION WOTH	FUNCTION WALUE	Auto M
	i.	2.619	07 GHz	-34.618 dBr	1	_		Freq Offs
						_		0
7			-		-	-		
2 N 3 4 5 6 7 8 9 0					-			
0								
				H.				

3GHz~20GHz_Band5_10MHz_QPSK_1_0_HighCH20600-844

-00- -	weeks and the second second					-		Analyzer - Son		
Frequency	08:10:49 PM Aug 20, 2018 TRACE 1 2 3 4 5 6	Log-Pwr	Avg Type	SE:INT	70000000000		pc	50.0	RJ	8L
Auto Tuni	DET P NNNN	1/1	Avg Hold		Trig: Free #Atten: 20	O: Fast	PN			
	19.139 4 GHz -42.316 dBm	Mkr1						Offset 13 f 23.60 (B/div
Center Fre										
11.500000000 GH	-									
	-13.00 dBm								-	-
Start Fre										-
3.00000000 GH	A1									
	and the second second	where where the second		and the second second		a series of	and de la company	and a strend or		
Stop Fre 20.000000000 GH								-		
20.0000000000							-			1
CF Ste 1.70000000 GH	Stop 20.000 GHz 3 ms (40000 pts)	weep 29.	S		1.0 MHz	#VBW	()*)		000 GH V 1.0	
Auto Ma	EUNOTION WALLE	CHONWOOH	TION		Ť.		×		TRE SO	
Freq Offse			_	3m	-42.316 dE	GHz	19.139		1 1	N
OH			_	-		-			=	
2			_	-		-			=	
			_	-		_			==	
			_	-				-	-	
					н.					

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台灣檢驗科技股份有限公司



30MHz~3GHz_Band7_5MHz_QPSK_1_0_LowCH20775-2502.5

	rum Analyzer -									@ <u>_</u>
RL	RF 5	D DC			SE:INT	Avg Type	LIGN AUTO	TR	AM Aug 21, 2018 ACE 1 2 3 4 5 6	Frequency
		F	NO: Fast C Gain:Low	Trig: Free #Atten: 20		Avg Hold:	-1/1	1	DET P NNNNN	
	Ref Offset Ref 24.1						Mkr		6 40 GHz 316 dBm	Auto Tur
^{sa}								1		
4.1									-	Center Fr
10	-	-	-						-	1.515000000 G
90		_				-			-13.00 dBm	
.9				++		+ +			-13.00 don	Start Fr
.9								. 2		30.000000 M
5.9								₹~		30.000000 M
5.9							-			Stop Fr
5.9			-							3.000000000 G
5.9	-	-	-						-	
art 30 M	17							Rton	3.000 GHz	CF Ste
Res BW 1			#VB	W 1.0 MHz		SI	veep 5.3	33 ms (40000 pts)	297.000000 M
		×		~		ICTION FUN				Auto M
1 N 1	1	2,500 (68 GHz	28.162 dB	m			10110		
2 N 1 3	1	2.426 4	IO GHZ	-34.316 dB	m					Freq Offs
4										0
5					-				4	
6					-					
8										
0										
1				10	-					

3GHz~20GHz_Band7_5MHz_QPSK_1_0_LowCH20775-2502.5

RL RF 50	wept SA	SENSE INT	ALIGN AUTO	09:46:32 AM Aug 21, 2018	
nt NP 50	PNO: Fast		Avg Type: Log-Pwr Avg Hold: 1/1	TRACE 1 2 3 4 5 6 TYPE NWWWW	Frequency
Ref Offset 1 0 dB/div Ref 24.10		EAtten: 20 dB	Mkr	1 19.827 4 GHz -41.389 dBm	Auto Tun
og 14.1 1.10					Center Fre 11.500000000 GH
90 5 9 5 9				-13.00 dBn	Start Fre 3.00000000 GH
5.9 5.9 5.9	interest interest interest interest		and the second	upper barrier and the second	Stop Fre 20.00000000 GH
art 3.000 GHz tes BW 1.0 MHz	#VB	W 1.0 MHz	Sweep 29	Stop 20.000 GHz 33 ms (40000 pts)	CF St 1.70000000 G Auto M
	× 19.827 4 GHz	-41.389 dBm	NCTION FUNCTION WOTH	FUNCTION WALLE	Freq Offs
8 9 0					

30MHz~3GHz_Band7_5MHz_QPSK_1_0_MidCH21100-2535

RL											
	RF 50 G	2 DC	_	3 7040702516	E:INT	Avg Type	Log-Pwr	0/9	TRAC	E 1 2 3 4 5 6	Frequency
		F	NO: Fast * Gain:Low	#Atten: 20	Run dB	Avg Hold:	1/1		Di	PNNNNN	Auto Tun
0 dB/div	Ref Offset 14 Ref 24.10	4.1 dB					Mkr			18 GHz 43 dBm	
°9									1		
4.1											Center Fre
4.10									-		1.515000000 GH
. 90	-	-		-		2				-13.00 dBn	2
5.9			-								Start Fre
25.9	-	-	-					2-	-		30.000000 MH
6.9	-	-	-			1 CONST	1004	Ĩ.			1
15.9			and the second second	a salation of the		and the second second	-	-	-	Manipul N	Stop Fre
55.9			-					-			3.000000000 GH
65.9	-	-	-	-				-	-		
tart 30 MH	Iz	· · · ·	5	- Constanting		17		S	top 3	000 GHz	CF Ste
Res BW 1.	0 MHz		#VB	W 1.0 MHz		S	weep 5.	333	ms (4	0000 pts)	297.000000 MH
AR MODE THE		X		Ÿ		CTION FUN	CTORNWOTH	-	FUNCTO	N WALLE	Auto Ma
1 N	1	2.533	10 GHz 18 GHz	29.279 dBr -36.343 dBr	n			-			in the second second
3 4					-			-		_	Freq Offse
5	-		-			_				-	0 H
6			-		+			-			
8	_		_		-						
10	_				-			_			
11	-		-	10	+	-					
50							STATU				

3GHz~20GHz_Band7_5MHz_QPSK_1_0_MidCH21100-2535

0.0							Analyzer - So			Ke R
Frequency	09:47:23 AN Aug 21, 2018 TRACE 1 2 3 4 5 6 TYPE NWWWW DET P NNNNN	Type: Log-Pwr fold: 1/1	10 - 3	Trig: Free Run	PNO: Fast ~	pc	50.0	RJ	L	ĸ
z Auto Tune		0141747771	2	#Atten: 20 dB	FGain:Low	i i				_
	r1 3.828 8 GHz -40.928 dBm	MK					Offset 14		B/div	0 di
Center Fre		_			-				-	4.1
11.500000000 GH					-	-		-		1.10
	-13.00 dDn		-					-		5.9
Start Fre 3.000000000 GH										5.9
0.000000000		-			_			1		36.9
Stop Fre		-	-	-	-	-	-	-	-	15.9
20.00000000 GH										55.9 56.9
CF Ste 1.70000000 GF	Stop 20.000 GHz 33 ms (40000 pts)	Sweep 29.		1.0 MHz	#VBI			000 G		
Auto Ma	FUNCTION WALVE	EUNCTORINGOR	FUNCTIO	-40.928 dBm	8 8 GHz	1 8 2 8	-		N	0 6
Freg Offse				-40.926 UDIII	5 5 GHZ	3.620			R	23
01					-			-		4
2				-				-	-	6
					-		_			89
										10
		STATUS		H.					_	
		STATUS								10

30MHz~3GHz_Band7_5MHz_QPSK_1_0_HighCH21425-2567.5

	ectrum Analyzer		1.00	10.000		-	N. 14		and a second state	0 0 4
RL	RF	SD R DC		SENSE		Vg Type: Log-			M Aug 21, 2018	Frequency
			PNO: Fast 😁 FGain:Low	#Atten: 20 d	an Ar	g Hold: 1/1		717		Auto Tun
0 dB/div	Ref Offse	t 14.1 dB				'			26 GHz 43 dBm	Auto Tun
og	1001 2111							1		
4.1										Center Fre 1.515000000 GH
90										1.01000000 01
5.9	-	-	_	-				-	-13.00 dBn	
5.9	-		_	-			2	1		Start Fre 30.000000 Mi
6.9		_					-			30.00000 mi
5.9	and the sector of				-			سبال		
6.9										Stop Fre 3.000000000 GI
6.9		-		-						3.000000000
tart 30 M Res BW	AHZ 1.0 MHZ		#VBV	V 1.0 MHz	12	Sweep	5.333	top 3 ms (4	.000 GHz 0000 pts)	CF Ste 297.000000 Mi
DE MOICE IN		×		1		FUNCTION	NOTE:	FUNCT	IN WALKE	Auto Ma
1 N 2 N	1	2.565	65 GHz 26 GHz	28.709 dBm -34.343 dBm						
3						-	-			Freq Offs
5										
7			_			_	_			
2 N 3 4 5 6 7 8 9 0							_			
1			-							
				H			TATUS			

3GHz~20GHz_Band7_5MHz_QPSK_1_0_HighCH21425-2567.5

0.0			A COMPANY OF A DESCRIPTION					pt SA		ight Spectrum	
Frequency	19 AN Aug 21, 2018 RACE 1 2 3 4 5 6		LIGN AUTO	Avg Type	SE:INT	SEN	_	pc	50 12	R	RL
Auto Tun	DET P NNNNN	T	1/1	Avg Hold:		Trig: Free #Atten: 20	Fast ++-	PN			-
	.191 dBm	1 19.05	Mkr						Offset 14.		
Center Fre											8
11.50000000 GH		·								_	10
	-13.00 dBm										90
Start Fre											9
3.000000000 GH	▲ 1										
01 E	-		-			and the second			-	-	9
Stop Fre 20.000000000 GH											9
CF Ste 1.70000000 GF	20.000 GHz (40000 pts)	Stop 2 .33 ms (weep 29.	Si		1.0 MHz	#VBW			3.000 G BW 1.0	art
Auto Ma	CTION WALUE	FUNC	HORN OF	TION		41.191 dE	2H.	19.056 5			
Freq Offs						41.191.00	unz ···	19.000			
					-		-		-		
				_	-		-				
				_	-		-				
	1.1				1	H.			· · ·		

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Ref Offset 14.1 Ref 24.10 dB

tart 30 MHz Res BW 1.0 MHz

NN

3GHz~20GHz_Band7_10MHz_QPSK_1_0_MidCH21100-2535

0.0	Internet and the second second	and the second second second						Analyzer - Sive			
Frequency	09:43:27 AN Aug 21, 2018 TRACE 1 2 3 4 5 6 TIPE NWWWW DET P NNNNN	ALIGN AUTO	A		Trig: Fr	O: Fast -+	pc P	50 12	RJ	L	R
Auto Tun	1 19.285 1 GHz -41.246 dBm	Mkr	G - 265	20 dB	#Atten:	Sain:Low	IFC 1 dB	Offset 14		B/div	10 d
Center Fr 11.500000000 G											og 14.1 4.10
	-13.00 dBn		-	-	-						5.9
Start Fr 3.000000000 G	1										5.9 5.9
Stop Fr 20.000000000 G	and the second	*******	-	-		****		-	-	- 1	5.9
CF St 1.700000000 0	Stop 20.000 GHz 33 ms (40000 pts)	Sweep 29.	17	łz	1.0 MH	#VBW	<u>.</u>		000 GI W 1.0	rt 3.0	a
Auto N	FUNCTION MALUE	UNCOMPOSITION .	FUNCTION		Y.		×		100 100		R.
Freq Offs 0				dBm	-41.246 d	1 GHz	19.285		1 1	N	2345
											234567890
	*			-	н				-	-	1
		STATUS									2

30MHz~3GHz_Band7_10MHz_QPSK_1_0_HighCH21400-2565

Frequency					and the second second			Analyzer - Sove			
Frequency	M Aug 21, 2018 CE 1 2 3 4 5 6	TRAC	ALTEN AUTO	-	SENSE:18	-	pc	50 (2	RF	L	R
Auto Tur	ET P NNNN	D	id: 1/1	A	Free Run Atten: 20 dB	0: Fast	PN				
	55 GHz 37 dBm		Mkr				1 dB IBm	Offset 14	Ref	B/div	
Center Fre		11									9g
1.515000000 G		-							_		.10
	-13.00 dBm	-	-	-							90
Start Fre											5.9
30.000000 MH		2 ²									5.9
01 F		مسالسلية	-		ALL	in the second second	- Indeline Hill	at the second		-	5.9
Stop Fre 3.000000000 GI											6.9
		-									6.9
CF Ste 297.000000 MF			Sweep 5.3	350	0 MHz	#VBW	C22)	MHz	MHz / 1.0 M	rt 30 i s BW	
Auto Ma	ON WALKE	EUNET	UNCTORWOTH	FUNCTION	8.258 dBm		2,560 80				1
Freq Offs					6.637 dBm		2.426 55		1	NN	
01					_	_		-			4
						_		-		-	6
						_			_	-	2 3 4 5 6 7 8 9 0
									_		0
					н.,						-
			STATUS								0

3GHz~20GHz_Band7_10MHz_QPSK_1_0_LowCH20800-2505

30MHz~3GHz_Band7_10MHz_QPSK_1_0_LowCH20800-2505

PNO: Fast ---- Trig: Free Run EGain! cov #Atten: 20 dB

#VBW 1.0 MHz

2.500 80 GHz 2.425 96 GHz

28.097 dBm -34.662 dBm

Avg Type: Log-P

Mkr2 2.425 96 GHz -34.662 dBm

Stop 3.000 GH Sweep 5.333 ms (40000 pts

) pts

Frequ

Auto Tur

Center Fre Start Fre

Stop Fre

CF Step

Freq Offs OH

M

						23456 Frequency
RL IN SUD DC	PNO: Fast	Trig: Free Run	Avg	Type: Log-Pwr Hold: 1/1	09:42:31 AN Aug 21, 2018 TRACE 1 2 3 4 5 6 TYPE N WWWWW DET P N N N N N	Frequency
Ref Offset 14.1 dB 0 dB/div Ref 24.10 dBm	IFGain:Low	#Atten: 20 dB		Mkr	1 19.085 0 GHz -41.927 dBm	Auto Tu
og (4.1				_		Center Fre 11.500000000 Gi
5.90	_			-	-13.00 dBn	Start Fr
6.9					1	3.000000000 G
5 9 6 9 6 9				Maria Caracteria		Stop Fr 20.000000000 G
tart 3.000 GHz Res BW 1.0 MHz	#VB	W 1.0 MHz		Sweep 29	Stop 20.000 GHz 33 ms (40000 pts)	CF St 1.70000000 G
			CONTRACTOR OF A	EXECCT ON COMPANY	ELNOTION MALLE -	Auto M
N 1 1	9.085 0 GHz	-41.927 dBm	FUNCTION		FUNCTION VALUE	Links
1 N 1 1 1 2 3 4 6	9.085 0 GHz	-41.927 dBm	FUNCTION			Freq Offs
	9.085 0 GHz	-41.927 dBm			-	Freq Offs 01

30MHz~3GHz_Band7_10MHz_QPSK_1_0_MidCH21100-2535

	rum Analyzer - 5		577.778 (a) 444			Frequency
RL	RF 50	D DC	SENSE: IN	Avg Type: Log-Pr	WF TRACE 1 2 3 4 5 6	
		PNO: Fast IFGain:Lov	#Atten: 20 dB	Avg Hold: 1/1	DET P N N N N	Ň
0 dB/div	Ref Offset 1 Ref 24.10			м	Auto Tun	
og					1	
200						Center Fre
1.10						1.515000000 G
90					-13.00 dBn	2
5.9						Start Fre
5.9	-				¢2	30.000000 Mi
5.9	-					
5.9	and the second second		A CONTRACTOR OF THE OWNER OF THE	NAMES OF TAXABLE PARTY	ممتنعنات والمنافق	Stop Fr
6.9					-	3.000000000 G
6.9			-			
tart 30 MI	Hz	10 10 and			Stop 3.000 GHz	CF Ste
Res BW 1	.0 MHz	#V	BW 1.0 MHz	Sweep	5.333 ms (40000 pts)	297.000000 Mi
RE MODE THE	500	×		EUNCTION EUNCTION W	OTH FUNCTION WALVE	Auto Mi
1 N	1	2.530 80 GHz 2.401 98 GHz	29.261 dBm -34.931 dBm			1 Sector Concerns
3			and a second			Freq Offs
5						01
6						-
8						
0	-					
1						

3GHz~20GHz_Band7_10MHz_QPSK_1_0_HighCH21400-2565

Frequency	1:44:35 AM Aug 21, 2018			SE:INT	SEN			Analyzer - See 50 G	R	RL
Auto Tun	THACE 1 2 3 4 5 6 TYPE NWWWW DET P NNNNN	Log-Pwr 1/1	Avg Type Avg Hold	Run	Trig: Free #Atten: 20	: Fast	PN			
	Ref Offset 14.1 dB Mkr1 19.076 5 GHz B/div Ref 24.10 dBm -41.727 dBm									
Center Fre										
	-13.00 dBn									9
Start Fre 3.000000000 G	_ 1									9
Stop Fre		et inter fields		-		-		بې نېروي د ا	~~~	9
CF Ste 1.700000000 Gi Auto Mi	op 20.000 GHz ms (40000 pts)	weep 29.3	S1 TION FUR	FIN	1.0 MHz	#VBW	*	MHz	.000 G W 1.0	es E
Freq Offs				Im	-41.727 dB	GHz	19.076		1	N
	· · ·			-	H.				11	1

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30MHz~3GHz_Band7_15MHz_QPSK_1_0_LowCH20825-2507.5

Frequency									nutyzer - Sove		
Frequency	AM Aug 21, 2018		ALIGN AUTO		SENSE: IN	1		pc	50 12	RF	L
Auto Tur n Center Fro	DET P NNNN		old: 1/1		Free Run	- T:	NO: Fast ~ Gain:Low	P			
	Ref Offset 14.1 dB Mkr2 2.529 84 GHz B/div Ref 24.10 dBm -29.934 dBm										
		11						- Dill	24.10 0	Kei	
				-	-	-	-			-	-
1.515000000 GH	-		-			-		-		-	-
	-13.00 dBm		-		_	-				-	-
Start Fre	-13.00 dan			-	_	+-				-	
30.000000 MH		2		_	_	_	-	-		_	
30.00000 MP											
Stop Fre		-				-	-			-	-
3.00000000 GH											
CF Ste 297.000000 MH	3.000 GHz 40000 pts)	Stop 3.000 GHz Sweep 5.333 ms (40000 pts)			VIHz	W 1.0	#VBI	2		VIHz 1.0 N	t 30 / s BW
Auto Ma	EN FUNCTION WOTH FUNCTION WALLE			FUNCTO			×			100	
					29.067 dBm		3 GHz	2.501 0	_	1	N
Freq Offs		-			34 dBm	-25	4 GHZ	2.029 8		T	N
01							-			-	-
0											
		-					-			-	-
											_
							-				-
	·				s						
			STATUS								

3GHz~20GHz_Band7_15MHz_QPSK_1_0_LowCH20825-2507.5

-0- di	38:46 AM Aug 21, 2018	ALTEN AUTO						Analyzer - Swe F 50 G		eysight RL	
Frequency	TRACE 1 2 3 4 5 6 TYPE NWWW	Log-Pwr	Avg Typ Avg Hold	Run	1.00	NO: Fast	P	5 DU 14		aL.	
Auto Tur	Ref Offset 14.1 dB Mkr1 19.189 1 GHz Ref 24.10 dBm -41.048 dBm										
Center Fre 11.500000000 GH											
Start Fre	-13.00 dBn								_		
3.000000000 GF		uquidau)	-	in the second	-	-			-	-	
20.000000000 Gi	op 20.000 GHz							47	000 0	-	
1.700000000 Gi Auto Ma	ms (40000 pts)	weep 29.		FU	1.0 MHz	#VBV	×	MHz	W 1.0	es B	
Freq Offs 01				Im	-41.048 dE	1 GHz	19.189		1	N	
			-	-	н			1			
		STATUS									

30MHz~3GHz_Band7_15MHz_QPSK_1_0_MidCH21100-2535

	pectrum Analyz			a contraction of the	100 C				
RL	RF	SD R DC		Trig: Free Ru	Ave	Type: Log-Pwr Hold: 1/1	TRA	AM Aug 21, 2018 CE 1 2 3 4 5 6	Frequency
			PNO: Fast = IFGain:Low	#Atten: 20 dB	- AVB	0.0000100747		PET P NNNNN	Auto Tu
10 dB/div		et 14.1 dB				Mkr	48 GHz 09 dBm	Auto Tu	
og							1		
1.10									1.515000000 GH
90									1.010000000
5.9			_					-13.00 dBm	
5.9							2		Start Fre
35.9									30.000000 MH
15.9			1						
to a state			Maginait	and the second	And a second in the second				Stop Fre
65.9									3.00000000 GH
Start 30	MHZ / 1.0 MHZ		#VR	W 1.0 MHz		Sweep 5.	Stop :	3.000 GHz	CF Ste 297.000000 MH
205 2010-					COLUMN STORY	- HADROGWOOD		conversion -	Auto Ma
1 N	1	2.528	57 GHz	29.340 dBm	PONCTION	ECAL DIA VIOLE	PORC.	Cont statute	
2 N	1	2.426	48 GHz	-33.909 dBm					Freq Offs
4			-						01
6			-						2
8									
9	_		-					3	
11				н.					
				m .		STATU			
2011									

3GHz~20GHz_Band7_15MHz_QPSK_1_0_MidCH21100-2535

5.6 Frequency	09:39:51 AM Aug 21, 2018	ALTON AUTO		SENSE: IN				Analyzer - See	Spectrum		R	
Frequency	TRACE 1 2 3 4 5 6 TIPE NWWW DET P NNNNN	pe: Log-Pwr Id: 1/1	Av	Free Run		NO: Fast -+		- 1 20 M	1 .8		n	
Z Auto Tur		1750791	2.22	: 20 dB	#Atten:	Sain:Low	IF					
	-40.948 dBm	Mkr1						f Offset 14		B/div) d	
Center Fre										-	4.1	
11.500000000 GH				-	-		-		-		.10	
	-13.00 dBn		_								90 5.9	
Start Fre 3.000000000 GH											5.9	
3.0000000 GP		_		_	-						36.9	
Stop Fre			-	-	-	-	-	-	-	-	5.9	
20.00000000 GH											5.9	
CF Ste 1.70000000 GF	Stop 20.000 GHz 33 ms (40000 pts)	Stop 20.000 GHz Sweep 29.33 ms (40000 pts)			V 1.0 MH	#VBV		.000 GHz W 1.0 MHz		rt 3.000		
Auto Ma	EUNOTION WALKE	CONTRACTOR OF T	EUNCTION				×		THE SO		25	
				-40.948 dBm		5 GHz	19.770		1	N	2	
Freq Offse				-				-	-		34	
2				-		-		-			6	
				-		_					8	
				-				-	_		2345678901	
				+	н			1				
		STATUS									0	

30MHz~3GHz_Band7_15MHz_QPSK_1_0_HighCH21375-2562.5

Auto Tun									tyzer - Swep		ht Spect	
	M Aug 21, 2018	TRAC	ALIGN AUTO pe: Log-Pwr ld: 1/1	Av	NSE:INT	Trig: Free			50.0	RF		RL
	ETPNNNN	D	234240	~~	10 dB	#Atten: 2	0: Fast	PN				
		Ref Offset 14.1 dB Mkr2 2.497 91 GHz 3/div Ref 24.10 dBm -40.249 dBm										
Center Fr		1										2
1.515000000 G			-	_						-		0
	-13.00 dDm	\pm		-				_				
Start Fr												9
30.000000 M		♦ ²	_	_								<u>_</u>
Stop Fr						الاأواسالاناسا	a diastin faite	and other Designation	Sec. and			9
3.000000000 G												9
CF St	.000 GHz			12							30 M	
297.000000 M Auto M			Sweep 5.3	1200 (100)		1.0 MHz	#VBW	#VI		.0 MI		-
					Bm	29.023 de	GHz	2.556 0				H
Freq Offs						19.412.44	Sile .	A.S.C.			-	-
0					-		-					
					-	10.1					-	-
			STATUS									

3GHz~20GHz_Band7_15MHz_QPSK_1_0_HighCH21375-2562.5

0.0								pt SA	Analyzer - Sive	tht Spectrue	
Frequency	4 AN Aug 21, 2018 RACE 1 2 3 4 5 6		Log-Pwr		SE:INT	SER		pc	50 12		RL
Auto Tur	DET P NNNN	T	1/1	Avg Hold:		Trig: Free #Atten: 20	O: Fast	PN			_
	Ref Offset 14.1 dB Mkr1 19.497 2 GHz Bldiv Ref 24.10 dBm -41.086 dBm										
											9
											10
								1			
	-13.00 dBm	-									
Start Fre 3.000000000 Gi	-										
3.000000000 Gi	▲ 1										
	and the second second		unter d'al contract	ويستصحف					-	-	
Stop Fre									-		
20.00000000 G	_										9
CF Ste 1.70000000 G	20.000 GHz (40000 pts)	Stop 20				1.0 MHz	#\/B\\/			3.000 C	
Auto Mi				TION FUN		1.0 10112	#4044	_			-
1	TION WALKE	FUNCT	CHORWOTH	FUN		-41.086 dE	GHz	19,497 1			
Freq Offs									-		
01					-		_				
9	-			-					-		
					+					++	-
					-						1
			STATUS			H					1

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台灣檢驗科技股份有限公司

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Ref Offset 14.1 Ref 24.10 dB

tart 30 MHz Res BW 1.0 MHz

N

3GHz~20GHz_Band7_20MHz_QPSK_1_0_MidCH21100-2535

456 Frequency	09-27:57 AM Aug 21, 2018	ALTEN AUTO		SENSE:0			DC	natyzer - See	RF	pargine a		
	TRACE 1 2 3 4 5 6 TIPE NWWW DET P NNNNN	pe: Log-Pwr ld: 1/1	Ave	: Free Run		NO: Fast Gain:Low	P			-		
Auto Tu	18.765 3 GHz -41.313 dBm	Mkr1				Gameow	1 dB	Offset 14		B/div		
Center Fr 11.500000000 G					-	_				-		
	-13.00 dBm								-			
Start Fr 3.000000000 G	▲ 1						-					
Stop Fr 20.000000000 G					-			-				
CF St 1.700000000 G	Stop 20.000 GHz Sweep 29.33 ms (40000 pts)			MHz	BW 1	#V				.000 GHz W 1.0 MHz		
Auto M	FUNCTION WALKE	UNCTIONWOOTH	EUNCTION				×			NOCE		
Freq Offs 0				13 dBm		3 GHZ	18,765			N		
				10.	_	- 1				-		
		STATUS										

30MHz~3GHz_Band7_20MHz_QPSK_1_0_HighCH21350-2560

Auto Tun	second contractions								nafyzar - Swe			
	N Aug 21, 2018 CE 1 2 3 4 5 6	TRAC	Log-Pwr	Avg T)	VSE:INT]	THE PARTY OF			50 (2	RF	L	R
	ET P NNNN	D	1/1	AvgiHo	0 dB	Trig: Free #Atten: 2	NO: Fast Gain:Low	P				
	96 GHz 65 dBm		Mkr2						Offset 14 24,10 c		B/div	
Center Fre		1										4.1
1.515000000 Gi		-									-	.10
	-13.00 dBm	_		-		_				_		90
Start Fre		2										5.9
30.000000 Mi		2										6.9
	-	and have		and a state		the section is						5.9
Stop Fre 3.000000000 GI										-	-	5.9
				+				-		-	-	6.9
CF Ste 297.000000 M	0000 GHz		weep 5.3			1.0 MHz	#VBW	C:	1Hz		t 30 M	
Auto Ma	ON WALLER -	HUNDER	CORWIGE	ICTION 1		Ŷ		×			MODE TR	
Freq Offs					Bm Bm	29.460 de	6 GHz	2.551 3		1	NN	1
Frequis				_			_					3
				_	_		_					5 6
					-		-					7 8
					-		-				-	34567890
				-	-	10	-			-	-	1
			STATUS									0

3GHz~20GHz_Band7_20MHz_QPSK_1_0_LowCH20850-2510

30MHz~3GHz_Band7_20MHz_QPSK_1_0_LowCH20850-2510

PNO: Fast Trig: Free Run #Atten: 20 dB

#VBW 1.0 MHz

2.501 32 GHz 2.542 83 GHz

29.519 dBm -26.891 dBm

Avg Type: Log-F Avg/Hold:>1/1

Mkr2 2.542 83 GHz -26.891 dBm

Stop 3.000 GH Sweep 5.333 ms (40000 pts

) pts

Frequ

Auto Tur

Center Fre Start Fre

Stop Fre

CF Step

Freq Offs 0 H

Mi Mi

0.4	a de la companya de l				100		bum Analyzer -	
Frequency	09:26:55 AN Aug 21, 2018 TRACE 1 2 3 4 5 6 TIPE NUMBER	Avg Type: Log-Pwr AvgiHold: 1/1		Trig: Free Ru	DAVG. From 1	n pc	RF 5	
Auto Tu	PNO: Fast Trig: Free Run Avginidid: 1/1 Total Free Run Ref Offset 14.10 B Mkr1 19.379 5 GHz Avginidid: 1/1 Total Free Run Work was Free Run Avginidid: 1/1 Total Free Run Avginidid: 1/1 Total Free Run Ref Offset 14.10 B Mkr1 19.379 5 GHz Avginidid: 1/2 Free Run -441.295 dBmL							
Center Fr 11.500000000 G								
	-13.00 dBn				-	-		
Start Fr 3.000000000 G	▲ ¹							
Stop Fr 20.000000000 0	and the state of the	4400 - 1 140 - 1140 - 1140 - 1140 - 1140 - 1140 - 1140 - 1140 - 1140 - 1140 - 1140 - 1140 - 1140 - 1140 - 1140						~
CF St 1.700000000	Sweep 29.33 ms (40000 pts) 1.7000000			1.0 MHz	#VB\	-	GHz 1.0 MHz	t 3.00 s BW
Auto 1	FUNCTION WALLE	FUNCTION WOTH	FUNCT	-41.295 dBm	79 6 GHz	× 19.37	1	N
Freq Off 0								
								-
	**			н			1	1
		STATUS						

30MHz~3GHz_Band7_20MHz_QPSK_1_0_MidCH21100-2535

Keysight Spectrum Ana		and the second second	17 00 00 00 00 00 00 00 00 00 00 00 00 00	A MARKAR STATISTICS AND A STATISTICS AND				
RL RF	50 B DC	SENSE:DUT	Avg Type: Log-Pwr	09:27:26 AM Aug 21, 2018 TRACE 1 2 3 4 5 6	Frequency			
	PNO: Fast IFGain:Low	#Atten: 20 dB	Avg Hold: 1/1	DET P NNNN	Auto Tur			
Ref Offset 14.1 dB Mkr2 2.426 26 GHz 10 dB/div Ref 24.10 dBm -35.536 dBm								
.og				1				
14.1					Center Fre 1.515000000 GH			
4.10					1.515000000 GP			
90				-13.00 dBn	2			
15.9					Start Fre			
25.9				▶ ²	30.000000 M			
35.9			C C NO NY		1			
	and the second secon	and the second	in the second	and the second se	Stop Fre			
55.9					3.000000000 GH			
56.9					-			
tart 30 MHz	6 10 10 10 10 10 10 10 10 10 10 10 10 10	ny filosomo "	10 wild them	Stop 3.000 GHz	CF Ste			
Res BW 1.0 MH	iz #VI	BW 1.0 MHz	Sweep 5.	333 ms (40000 pts)	297.000000 MH Auto Ma			
ANT MODE THE SEC.	X		UNCTION FUNCTION WRITH	EUNITION WALLE	Maro ma			
	2.526 42 GHz 2.426 26 GHz	28.874 dBm -35.536 dBm						
3 4					Freq Offs			
5					0,			
6								
8								
10								
			-					
2								

3GHz~20GHz_Band7_20MHz_QPSK_1_0_HighCH21350-2560

0	09:30:06 AN Aug 21, 2018	ALTISN AUTO		est-intl			pt SA DC	Inalyzer - Swe 50 G	Spectrum	rysight
Frequency	TRACE 1 2 3 4 5 6 TIPE NUMBER OF NUMBER OF NUMBER	Avg Type: Log-Pwr Avg Hold: 1/1		Trig: Free Run #Atten: 20 dB		O: Fast	1 .00			
Auto Tun	Ref Offset 14.1 dB Mkr1 19.035 2 GHz 0 dB/div Ref 24.10 dBm -40.819 dBm									
Center Fre										E
	-13.00 dBn								_	
Start Fre 3.000000000 GF	1									
Stop Fre				-	-				~~~	-
CF Ste	Stop 20.000 GHz 33 ms (40000 pts)	Ween 20 1			1.0 MHz	#VBW			000 GH	
Auto Ma		CIDRIMORI			40.819 dE		× 19.035 2			
Freq Offs 0 F				200	40.012 41		13.0007			
	1.1	STATUS		+	н					-

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