

30MHz~3GHz_Band5_1_4MHz_QPSK_1_0_LowCH20407-824.7

Keysight Spectrum Analyzer -					
Center Freq 1.515	000000 GHz	SENSE: INT	Avg Type: Log-Pwr	05:05:06 PM Jun 14, 2019 TRACE 1 2 3 4 5 6 TVPE MWWWWW DET P NNNNN	Frequency
10 dB/div Ref Offset	IFGain:Low 13.8 dB	#Atten: 30 dB	M	cr3 2.474 1 GHz -37.94 dBm	Auto Tune
20.0 10.0	×1				Center Freq 1.51500000 GHz
-10.0				3	Start Free 30.000000 MHz
-40.0 Aparete articulturing dates	and the second	annaspari-restorationality and	na tenderi ontilijstere kan standering	and an	Stop Free 3.000000000 GHz
Start 0.030 GHz #Res BW 1.0 MHz	#VE	SW 1.0 MHz	Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Step 297.000000 MHz Auto Mar
1 N 1 f 2 N 1 f 3 N 1 f 4 5	826.0 MHz 1.649 4 GHz 2.474 1 GHz	25.85 dBm -41.04 dBm -37.94 dBm			Freq Offset 0 Ha
6 7 7 8 9 9 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					Scale Type
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3GHz~10GHz_Band5_1_4MHz_QPSK_1_0_LowCH20407-824.7

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Center I	l ₪ Freq 6	50 Q		1z NO: Fast		Run	Avg Type	: Log-Pwr	TRAC	M Jun 14, 2019 201 2 3 4 5 6 20 M WWWWW	
10 dB/div		Offset 13	8 dB	Sain:Low	#Atten: 3			N	Akr1 3.7	21 GHz 27 dBm	Auto Tune
20.0 10.0											Center Freq 6.50000000 GHz
-10.0 -20.0 -30.0	•	1								0L1-42.00 dDm	Start Freq 3.000000000 GHz
-40.0	AN AN	n pasteri	1948 Baad Internet	and the second second	******	tin gildern	and a street a	gali-rootestanij	\$~~~\$****	elin, j-néroradaki	Stop Freq 10.00000000 GHz
Start 3.0 #Res BV	V 1.0 N	ЛНz	×		W 1.0 MHz				1.67 ms (.000 GHz 1001 pts)	CF Step 700.000000 MHz Auto Mar
1 N 2 3 4 5 6	1 1		3.72	1 GHz	-31.27 dE	3m				≡.	Freq Offset 0 Ha
7 8 9 10											Scale Type
MSG				-	19	+	1	STATU	5	<u> </u>	

30MHz~3GHz Band5 1 4MHz QPSK 1 0 MidCH20525-836.5

Keysight Spectrum Analyzer - Swept SA					- 2 -
Center Freq 1.515000000	GHz	Trig: Free Run	Avg Type: Log-Pwr	05:07:00 PM Jun 14, 2019 TRACE 1 2 3 4 5 6 TYPE M WWWW	Frequency
Ref Offset 13.8 dB 10 dB/div Ref 30.00 dBm	IFGain:Low	#Atten: 30 dB	Mk	r3 2.509 5 GHz -37.32 dBm	Auto Tune
20.0 10.0 0.00	X1				Center Fred 1.515000000 GHz
-10.0		2		0.1 -1200 dDin	Start Free 30.000000 MH
-40.0 -50.0 -60.0	aller a monogene such para	estature estature	alas musin de la de la tradecia de la seconda de la sec		Stop Free 3.000000000 GH
Start 0.030 GHz #Res BW 1.0 MHz	#VBW 1	Y FUNK	Sweep 3.	Stop 3.000 GHz 600 ms (1001 pts)	CF Step 297.000000 MH Auto Mar
2 N 1 f 1. 3 N 1 f 2.	837.8 MHz 673 0 GHz 509 5 GHz	25.25 dBm -38.14 dBm -37.32 dBm			Freq Offse 0 H
4 5 6 7 7 8 9 9 10 11					Scale Type
MSC		11	STATUS	,	

3GHz~10GHz_Band5_1_4MHz_QPSK_1_0_MidCH20525-836.5

Keysight Sp	ectrum Analyzer -										00
enter F		000000 GH	Iz NO: Fast		SE:INT Run	Avg Type	e: Log-Pwr	TRAC	M Jun 14, 2019		requency
0 dB/div	Ref Offset Ref 30.0	13.8 dB	NO: Fast Sain:Low	#Atten: 30			N	1kr1 3.8	75 GHz 34 dBm		Auto Tun
-og 20.0 10.0											Center Fre
20.0	↓ ¹								01-10:00 dDm	3.00	Start Fr 00000000 G
0.0 0.0 0.0	Land Statutes	may perdy and the	^{لا ب} دان رومار (۱۹۷۷	hindeful anader to beau	ningenskilpenir ^a	er oan hefe	มูมาสามารณูรุ่งเทศพ	1	angily of an angles	10.00	Stop Fr 00000000 G
	1.0 MHz	x		V 1.0 MHz			Sweep 1	1.67 ms (.000 GHz 1001 pts)	70 Auto	CF Sto 0.000000 M M
1 N 2 3 4 5 6	1 1	3.87	5 GHz	-33.34 dB	m				≡.		Freq Offs 0
7 8 9 10										Log	Scale Ty
11					-						
80							STATUS				

30MHz~3GHz_Band5_1_4MHz_QPSK_1_0_HighCH20643-848.3

				SENSE:3		DC DC		
Frequency	05:09:32 PM Jun 14, 2019 TRACE 1 2 3 4 5 6	ype: Log-Pwr	Ave		z		q 1.5150	nter Fi
Auto Tur	DET P NNNN	MA		Trig: Free Ru #Atten: 30 dE	VO: Fast H Sain:Low	P IF		
	-37.79 dBm	MIN					Ref Offset 13 Ref 30.00	B/div
Center Fre						- Ť	_	
1.515000000 GF								
Start Fre 30.000000 M	0L1 -12:00 dDm							
30.00000 m	▲3		2					
Stop Fr	****	ed and the second s	and the second s		-producersonal	والم جو و مر	Revenues and	
3.000000000 G								
				1				
CF St	Stop 3.000 GHz			•			GHz	rt 0.03
297.000000 MI	00 ms (1001 pts)			1.0 MHz	#VBV		0 MHz	es BW
297.000000 M		Sweep 3.	FUNCTION	7 25.68 dBm	8 MHz	× 846	0 MHz	N 1
297.000000 M Auto M Freq Offs	00 ms (1001 pts)		FUNCTION	Y	_	1.696	0 MHz	es BW
297.000000 M Auto M Freq Offs	00 ms (1001 pts)		FUNCTION	25.68 dBm -39.67 dBm	8 MHz 6 GHz	1.696	0 MHz	N 1
297.000000 M Auto M Freq Offs	00 ms (1001 pts)		FUNCTION	25.68 dBm -39.67 dBm	8 MHz 6 GHz	1.696	0 MHz	N 1
CF Ste 297.00000 Mi Auto M Freq Offs 01 Scale Typ Log L	00 ms (1001 pts)		FUNCTION	25.68 dBm -39.67 dBm	8 MHz 6 GHz	1.696	0 MHz	N 1

3GHz~10GHz_Band5_1_4MHz_QPSK_1_0_HighCH20643-848.3

	ectrum Analyzer										0 8 🕰
Center F		0000000 G	Hz PNO: Fast		NSE:INT	Avg Type	e: Log-Pwr	TRAC	M Jun 14, 2019 2E 1 2 3 4 5 6 PE M WWWWW ET P N N N N N		equency
10 dB/div	Ref Offse Ref 30.0	t 13.8 dB	PNO: Fast III FGain:Low	#Atten: 3			n	/kr1 3.9	80 GHz 24 dBm		Auto Tune
20.0 10.0											enter Fred
-10.0	1								0L1 -12:00 dDm	3.000	Start Free
-40.0	a and the state of the	an in the for the state of the	ADDA CAREARY	ing grade l _{eff and a} n order left	int. Rowershine	and and a second se	grafisk-ministerin	har an	bédar-yrðudy'e	10.000	Stop Free
MKR MODE T	1.0 MHz	×		N 1.0 MHz	FUN	CTION FU		1.67 ms (.000 GHz 1001 pts)	700 Auto	CF Step .000000 MH Ma
1 N 2 3 4 5 6 7 8 9	1 1	3.9	80 GHz	-33.24 d	Bm				่		Freq Offse 0 H
7 8 9 10										Log	Scale Type
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15G							STATU	5			

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30MHz~3GHz_Band5_3MHz_QPSK_1_0_LowCH20415-825.5

🔤 Keysight Sp													0
Center F	req 1.	51500	DC 0000 0	GHz	Fast -+-		Run	Avg Ty	pe: Log-Pwr	TRA	M Jun 14, 2019 CE 1 2 3 4 5 6 PE M WWWWW		requency
10 dB/div		offset 13.8 30.00 d		IFGain	Low	#Atten: 3			м	• kr3 2.47	6 5 GHz 09 dBm		Auto Tune
20.0 10.0			Ť	1									Societation Sector Sect
-10.0							/\ ²				0L1-42:00 dDm	3	Start Free 0.000000 MH:
-40.0 -50.0 -60.0	41,484.49	rtore break	terra and	*******	energe gebyn		an a bhain	in a contraction	nan parte de la caracteria	ny Anna Sin Si	Stanya Jose	3.00	Stop Free 0000000 GH
Start 0.03 #Res BW	1.0 M		×		#VBW	1.0 MHz		KCTRON I E	Sweep 3	3.600 ms (.000 GHz 1001 pts)	29 Auto	CF Stej 7.000000 MH Ma
1 N 1 2 N 1 3 N 1 4 5 6	1 1 1		1.6	26.0 M 51 0 G 76 5 G	Hz	25.90 di -38.82 di -36.09 di	Bm Bm						Freq Offse 0 H
7 8 9 10												Log	Scale Type
11							-					<u> </u>	
MSG									STATU	15			

3GHz~10GHz_Band5_3MHz_QPSK_1_0_LowCH20415-825.5

	ectrum Analyzer									
Center F		0000000 G	Hz		Rup	Avg Type	: Log-Pwr	TRAC	M Jun 14, 2019	
10 dB/div	Ref Offse Ref 30.0	if t 13.8 dB	Gain:Low	#Atten: 30			N	Akr1 3.8	33 GHz	Auto Tune
20.0										Center Freq 6.50000000 GHz
-10.0 -20.0 -30.0	•1								0L1 -10.00 dDin	Start Freq 3.000000000 GHz
-40.0 bookly -60.0 -60.0		anita asmalluanu	-Material and	htthe second of the second of	164-740- ¹⁷ -1-17	orradio, en 191	harden son der der der	foodline factors	napelerousta	Stop Freq 10.00000000 GHz
Start 3.00 #Res BW	1.0 MHz	×	_	W 1.0 MHz				1.67 ms (.000 GHz 1001 pts)	CF Step 700.000000 MH2 Auto Man
1 N 1 2 3 4 5 6	1 1	3.8	33 GHz	-31.67 dB	m				≡.	Freq Offset 0 Ha
7 8 9 10										Scale Type
MBG			-		1		STATUS	5	· ·	

30MHz~3GHz_Band5_3MHz_QPSK_1_0_MidCH20525-836.5

Keysight Spectrum Analyzer - Swept SA					
Center Freq 1.51500000		Trig: Free Run	Avg Type: Log-Pwr	04:57:05 PN Jun 14, 2019 TRACE 1 2 3 4 5 6 TYPE M WWWWW	Frequency
Ref Offset 13.8 dB 10 dB/div Ref 30.00 dBm	IFGain:Low	#Atten: 30 dB	Mk	r3 2.509 5 GHz -36.21 dBm	Auto Tune
20.0 10.0	¥1				Center Fre 1.515000000 GH
-10.0		^2		0.1 -12:00 dDm	Start Free 30.000000 MH
-40.0 0000000000000000000000000000000000	,	eserade de la constanción	alee star ei Drizieri er in erte starte te	และให้แม้งสำนักของจะสามารถเส	Stop Fre 3.000000000 GH
Start 0.030 GHz #Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 3.	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 MH <u>Auto</u> Ma
3 N 1 f	834.9 MHz 1.673 0 GHz 2.509 5 GHz	25.58 dBm -40.74 dBm -36.21 dBm			Freq Offse
4 5 6 7 8 9 10 11					Scale Typ
e Line and a second sec		н.	STATUS	,	

3GHz~10GHz_Band5_3MHz_QPSK_1_0_MidCH20525-836.5

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									Analyzer - Sw		rysight	Key
Frequency	E 1 2 3 4 5 6	04:57:22 PI	Log-Pwr	Ave Tur	SE:INT	1 507	-	0000 GH		N N		R
	PNNNN	TW	Log-r m		Run	Trig: Free	Z O: Fast 😁	0000 GP	0.50000	Freq	iter	en
	PNNNN	DE				#Atten: 3	ain:Low					
Auto Tu	77 GHz	Akr1 3 7									_	_
	00 dBm							8 dB	Offset 13	Re		
	JU UBIII	-52.1						1Bm	f 30.00 (v Re	B/di	O de
												20.0
Center Fr												
6.50000000 G			-									0.0
												.00
	011-1200-0Dm											0.0
Start Fr	0.1 -1 3 00 0.01											
3.000000000 0									.1		\vdash	0.0
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Stop Fr					-					mp.op	r	
10.000000000 0											\vdash	0.0
10.0000000000												0.0
CFS	000 GHz	Stop 10							lz	.000 G	rt 3.	tar
700.000000 N	1001 pts)	1.67 ms (Sweep 1			1.0 MHz	#VBV		MHz	W 1.0	s B	Re
Auto N							_					-
	AN VALUE	FUNCTI	ICTION WIDTH	TION FU		-32.00 dE	7 GHz	3.77	_		N	
						-02.00 UL	UTIA	9.77				2
Freq Off												
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Log												1
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30MHz~3GHz_Band5_3MHz_QPSK_1_0_HighCH20635-847.5

Keysight Spectrum Analyzer - Swept SA					
Center Freq 1.515000000	GHz	Trig: Free Run	Avg Type: Log-Pwr	04:59:01 PM Jun 14, 2019 TRACE 1 2 3 4 5 6 TYPE MWWWWW	Frequency
Ref Offset 13.8 dB	PN0: Fast IFGain:Low	#Atten: 30 dB	Mk	r3 2.542 5 GHz -37.31 dBm	Auto Tur
00 000	¥1				Center Fre 1.515000000 GF
0.0		~2		DL1-1200 dDm	Start Fr 30.000000 Mi
0.0 (1944)	*****	*****	al a de de constance des	ay da an	Stop Fre 3.00000000 G
art 0.030 GHz Res BW 1.0 MHz	#VBW	1.0 MHz	Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Sto 297.000000 M Auto M
1 N 1 T 2 N 1 T 1 N 1 T 1.1 1 N 1 T 2.0 1 T 2.0 1 T 2.0 1 T 2.0 1 T 1.0 1 T 1.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	846,8 MHz 695 0 GHz 542 5 GHz	25.65 dBm -39.88 dBm -37.31 dBm			Freq Offs 0
6 7 8 9					Scale Ty
9 0 1					Log L

3GHz~10GHz_Band5_3MHz_QPSK_1_0_HighCH20635-847.5

🔤 Keysight Sp													
Center F	req 6.	50000	00000 GI	Hz		ENSE:INT	Avg	Type: Lo	og-Pwr	TRA	M Jun 14, 2019		requency
10 dB/div		iffset 13 30.00 c	8 dB	PNO: Fast Gain:Low	#Atten:				N	1kr1 7.2	284 GHz 91 dBm	al	Auto Tune
20.0 10.0													Center Fred
-10.0							↓1	+			DL1-12:00 dDr		Start Free
40.0 Marcha 60.0		********	geinender dien	And en shall	hardefill main at	We cattle her	n the second	and de la casa	******	~~{/\$\$^\}*\$***	inading with the		Stop Free
Start 3.00 Res BW	1.0 M		×		W 1.0 MH		UNCTION			1.67 ms (.000 GHz (1001 pts)		CF Step 0.000000 MH Ma
1 N 2 3 4 5	1 1		7.2	84 GHz	-32.91	dBm					≡.		Freq Offse 0 H
2 3 4 5 6 7 8 9 10 11												Log	Scale Type
-				-							· ·		
490									STATUS				

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30MHz~3GHz_Band5_5MHz_QPSK_1_0_LowCH20425-826.5

🔤 Keysight Sp		Analyzer - Swe												0 2 2
Center F	req 1	50 Q	DC 0000	GHz	: Fast		Run	Avg	Type:	Log-Pwr	TRA	CE 1 2 3 4 5 6		requency
10 dB/div		Offset 13. 30.00 d			in:Low	#Atten: 3				Mk	r3 2.47	9 5 GHz 68 dBm	il –	Auto Tune
20.0 10.0				*1										Center Freq 15000000 GHz
-10.0 -20.0 -30.0	=						2	-	-		● ³	DL1-43.00 dDm	з	Start Freq 0.000000 MHz
-40.0 -60.0 -60.0	- Aleray	********	Xaradot.	hmeta		(Yurije Byrraddord	a nagladvíries	a la constanta da constante da co	ersaland	i naga salar k	4848-seeffer.	-3-939 - 924 - 1	3.00	Stop Free
Start 0.0 #Res BW	1.0	MHz			#VBV	V 1.0 MHz			_	weep 3	.600 ms	3.000 GHz (1001 pts)	29 Auto	CF Step 7.000000 MHz Mar
1 N 2 N 3 N 4 5			1.6	26.0 53 0 79 5	GHz	26.73 d -39.87 d -36.68 d	Bm Bm				FORCE			Freq Offset 0 Ha
6 7 8 9 10 11					-								Log	Scale Type
< L						**			•			· ·		
MBG										STATUS				

3GHz~10GHz_Band5_5MHz_QPSK_1_0_LowCH20425-826.5

Keysight Spe	ectrum Analyzer - S								C = 2 = 2
Center F	req 6.5000	00000 GHz	est Tri	g: Free Run	Avg Type	: Log-Pwr	TRAC	H Jun 14, 2019 E 1 2 3 4 5 6 E NWWWWW T P NNNNN	Frequency
	Ref Offset 1	IFGain:		tten: 30 dB		N	/kr1 3.8	54 GHz	Auto Tune
10 dB/div	Ref 30.00						-32.9	93 dBm	
20.0									Center Freq 6.50000000 GHz
0.00 -10.0								DL1-12:00 dDm	Start Free
-20.0 -30.0 -40.0 availa	1 	at an in the state of the state	a water water	w. to the state of the second st	والمراجع المراجع	(and then the second		ر مور المواد الم	3.00000000 GHz
-50.0	Qen			(J., Mahara	1				Stop Fred 10.000000000 GHz
Start 3.00 #Res BW	1.0 MHz	;	#VBW 1.0				1.67 ms (.000 GHz 1001 pts)	CF Step 700.000000 MH Auto Mar
	1 SCU	× 3.854 GF	Iz -32	.93 dBm	UNCTION	ICTION WIDTH	FUNCTO	IN VALUE	CML2 HILL
2 3 4 5 6									Freq Offset 0 Ha
7 8 9			-					=	Scale Type
10			-						Log <u>Lir</u>
MBG						STATUS	5		

30MHz~3GHz Band5 5MHz QPSK 1 0 MidCH20525-836.5

Keysight Spectrum Analyzer - Swept SA					
Center Freq 1.51500000	00 GHz	Trig: Free Run	Avg Type: Log-Pwr	04:47:31 PN Jun 14, 2019 TRACE 1 2 3 4 5 6 TYPE M WWWW	Frequency
Ref Offset 13.8 dE 10 dB/div Ref 30.00 dBm		#Atten: 30 dB	Mk	r3 2.509 5 GHz -36.46 dBm	Auto Tune
20.0 10.0	*1				Center Free 1.515000000 GH
-10.0		^2		0L1 -1200 dDm	Start Free 30.000000 MH
-40.0 -50.0 -60.0	na dalama ny many i	antonaturita pagan kelora	wayayoo 1995 ay 1997 ay	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Stop Fre 3.000000000 GH
Start 0.030 GHz #Res BW 1.0 MHz	#VB\	V 1.0 MHz	Sweep 3.	Stop 3.000 GHz 600 ms (1001 pts)	CF Ste 297.000000 MH Auto Ma
1 N 1 f 2 N 1 f 3 N 1 f 4 5	834.9 MHz 1.673 0 GHz 2.509 5 GHz	27.22 dBm -40.27 dBm -36.46 dBm			Freq Offse 0 H
6 7 8 9 10 11					Scale Typ
e (STATUS	,	

3GHz~10GHz_Band5_5MHz_QPSK_1_0_MidCH20525-836.5

Keysight S	pectrum Analyzer -									_	- 8 🕰
Center F		0 0 DC	2 D: Fest+	1	Run	Avg Type	: Log-Pwr	TRAC	M Jun 14, 2019 2E 1 2 3 4 5 6 PE M WWWWW ET P N N N N N	Fre	quency
10 dB/div	Ref Offset Ref 30.0	13.8 dB	in:Low	#Atten: 30	dB		N	/kr1 3.8	12 GHz 90 dBm	, ,	Auto Tune
20.0 10.0											enter Free
-10.0 -20.0 -30.0	1								0L1 -13:00 eDire		Start Fre
-40.0 (1999) -50.0 -60.0	Sarri Uniterritati	ng-decel (and configure and glober -	Poplantes (1984)	alare.18[444=1,24]*34	ilesentil verskaper	h-unormalism	e rgelinigen, hybri	hiput-scield.			Stop Fre
Start 3.0 #Res BW	1.0 MHz	×	#VBV	V 1.0 MHz	FUN	TION FUR		1.67 ms (.000 GHz 1001 pts)	700.0 <u>Auto</u>	CF Ste 000000 MH Ma
1 N 2 3 4 5 6	1 1	3.812	GHz	-32.90 dB	im.				่่่	F	req Offse 0 H
7 8 9 10										Log	cale Typ
11			-		-					200	Lis
MSG							STATUS				

30MHz~3GHz_Band5_5MHz_QPSK_1_0_HighCH20625-846.5

								pt SA	knalyzer - Swe		ght Spec	
Frequency	6	TRACE 1 2 3 4 5	Log-Pwr	Avg Type	E:INT		7	0000 GH	50 Q	UI Page 1	er En	R
Auto Tur		2.539 5 GH: -38.40 dBn	Mk			Trig: Free #Atten: 30	0: Fast ain:Low	PN IFG 8 dB	Offset 13.	Ref		dB/
Center Fre 1.51500000 GH								×1	30.00 0	Kei	aiv	9 1.0
Start Fre 30.000000 Mi		0L1-1200-0D1										00
Stop Fr 3.000000000 Gi	ľ	. Quitar and a should	1 ₉₉ -18, 148-144-14	نوم الاردو وروانور م	and the second	*****	anne-se da		- por en jurite	lan an	DAL SHE	
CF Ste 297.000000 Mi Auto M	ll.	Stop 3.000 GHz 00 ms (1001 pts	Sweep 3.		FUNC	1.0 MHz	#VBW	×	MHz	1.0 1	0.030 BW 1	les
Freq Offs 01	F				m m	27.35 dB -38.85 dB -38.40 dB	MHz GHz GHz	843.8 1.693 (2.539 (1	11	
Scale Typ	IF										+	8 7 8
Log L	16				-							
	F				+							í 🗆

3GHz~10GHz_Band5_5MHz_QPSK_1_0_HighCH20625-846.5

		Analyzer - Swe										0 2 2
Center F	req (50 G	00000 GH	łz		NSE:INT	Avg Type	: Log-Pwr	TRAC	M Jun 14, 2019		requency
10 dB/div		Offset 13	8 dB	NO: Fast 😁 Sain:Low	#Atten: 3	0 dB		N	1kr1 5.8	00 GHz		Auto Tune
20.0 10.0												Center Fred 0000000 GH:
-10.0					↓ 1					0L1 -12:00 dBm	3.00	Start Free 0000000 GH
-40.0 -444444 -50.0	as, la	**************************************	frifficentreveries	ar and a second s	eneridai yeni in	un an	400000000000000000000000000000000000000	e _h rden in forden	eresterring	ind a liter of the	10.00	Stop Fre 0000000 GH
Start 3.00 #Res BW	1.0	MHz	×	#VB\	V 1.0 MHz	FUN		Sweep 1	1.67 ms (.000 GHz 1001 pts)	700 Auto	CF Step 0.000000 MH Ma
2 3 4 5 6 7			5.80	0 GHZ	-33.18 0	BM.						Freq Offse 0 H
7 8 9 10											Log	Scale Type
<		•				,				- ·		
45G								STATUS				

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30MHz~3GHz_Band5_10MHz_QPSK_1_0_LowCH20450-829

Keysight Spectrum Analyzer - Swept SA							
Center Freq 1.515000000	GHz	Trig: Free Run	Avg Type	: Log-Pwr	TRAC	E 1 2 3 4 5 6 MWWWW T P N N N N N	Frequency
Ref Offset 13.8 dB	IFGain:Low	#Atten: 30 dB		Mk	r3 2.487		Auto Tune
20.0 10.0 0.00	¥1						Center Free 1.515000000 GH
-10.0 -20.0 -30.0			2		→ ³	0.1-12:00 dDm	Start Fre 30.000000 MH
40.0 60.0 60.0	l	and the second	-Automice plan medicality	shedgest street state	1/19 52-0 100-0-0-0	481451.436-41.0P	Stop Fre 3.000000000 GH
Start 0.030 GHz Res BW 1.0 MHz		1.0 MHz	FUNCTION FUN	Sweep 3.	Stop 3. 600 ms (1 FUNCT		CF Ste 297.000000 MH Auto Ma
2 N 1 f 1.	826.0 MHz 658.0 GHz 487.0 GHz	26.57 dBm -39.56 dBm -35.71 dBm					Freq Offse 0 H
7 8 9 10 11							Scale Typ
450				STATUS		,	

3GHz~10GHz_Band5_10MHz_QPSK_1_0_LowCH20450-829

Keysight Spec	trum Analyzer - Swe								
Center Fr	eq 6.50000	0000 GHz		Rup	Avg Type	: Log-Pwr	TRAC	E 1 2 3 4 5 6 E NWWWW T P NNNN	Frequency
	Ref Offset 13	IFGain:L				N	1kr1 3.8		Auto Tune
10 dB/div Log	Ref 30.00 c	1Bm		•			-33.0	э авт	
20.0									Center Freq 6.50000000 GHz
-10.0	<u></u> 1							DL1-13:00 dDm	Start Freq 3.00000000 GHz
-30.0 -40.0	and the second second second	uller,issian,ini ada	رون میکور میکو میکور میکور میک	altern frankland	n fine da Martil	asharkin inter	kelungtir~stafek	lecconstrations	Stop Freq 10.00000000 GHz
Start 3.000 #Res BW	1.0 MHz	#	VBW 1.0 MHz			Sweep 1	1.67 ms (CF Step 700.000000 MHz Auto Man
1 N 1 2 3 4 5 6	t	3.875 GH					Forters		Freq Offset 0 Hz
7 8 9									Scale Type
10				-					Log Lin
мэс						STATUS			

30MHz~3GHz Band5 10MHz QPSK 1 0 MidCH20525-836.5

Keysight Spectrum Analyzer - Swept SA					- 2
Center Freq 1.515000000	GHz	Trig: Free Run	Avg Type: Log-Pwr	04:36:18 PM Jun 14, 2019 TRACE 1 2 3 4 5 6 TYPE M	Frequency
Ref Offset 13.8 dB 10 dB/div Ref 30.00 dBm	IFGain:Low	#Atten: 30 dB	Mk	r3 2.509 5 GHz -37.12 dBm	Auto Tune
20.0 10.0	×1				Center Fred 1.515000000 GHz
-10.0				041-1200 dDm	Start Free 30.000000 MHz
-40.0		hon manifestation	a _{na} d caship in al his in dahar	and all the states and the states of the sta	Stop Free 3.000000000 GH
Start 0.030 GHz #Res BW 1.0 MHz	#VBW	Y FUN	Sweep 3	Stop 3.000 GHz 600 ms (1001 pts)	CF Step 297.000000 MH <u>Auto</u> Mar
2 N 1 f 1.6 3 N 1 f 2.6	31.9 MHz 73.0 GHz 09.5 GHz	27.14 dBm -38.67 dBm -37.12 dBm			Freq Offse 0 H
4 5 6 7 7 8 9 9 10 11					Scale Type
MSG		19	STATUS	,	

nter Freq 6.500000000 GHz Avg Type: Log-Pw Frequ Trig: Free Run Auto Tu Mkr1 3.798 GHz -33.36 dBm Ref Offset 13.8 dB Ref 30.00 dBm Center Fr Start Fre Stop Fre Stop 10.000 11.67 ms (1001 CF Ste 1 GHZ #VBW 1.0 MH eep Freq Offs Scale Tvp

3GHz~10GHz_Band5_10MHz_QPSK_1_0_MidCH20525-836.5

30MHz~3GHz_Band5_10MHz_QPSK_1_0_HighCH20600-844

	ectrum Analyzer										0 8 2
Center F		5000000 GI	Hz		E:INT	Avg Type	: Log-Pwr	TRA	M Jun 14, 2019		equency
10 dB/div	Ref Offse Ref 30.0	iF t 13.8 dB	9NO: Fast ++ Gain:Low	#Atten: 30			м	kr3 2.53	2 0 GHz 56 dBm		Auto Tune
20.0		¥1									Center Fred 5000000 GH2
20.0					2			3_	DL1-40.00 dDm	30	Start Free
40.0 50.0 50.0	upur Propensitero	aparana per	41284-~1634~ ~	,	steraideras.	and the second second	an a substantion of the second se	alas an	**Ledensy#4	3.00	Stop Free
tart 0.03 Res BW	1.0 MHz		#VBV	V 1.0 MHz				3.600 ms	.000 GHz 1001 pts)	297 Auto	CF Step .000000 MH Ma
1 N 1 2 N 1 3 N 1	1 1 1	1,688	,8 MHz 0 GHz 0 GHz	25.74 dBr -40.13 dBr -37.56 dBr	n		ICTION WIDTH	FUNCT	e a contraction of the second se		Freq Offse 0 H
4 5 6 7 8 9											Scale Typ
10			_							Log	Lin
80							STATU	8	,		

3GHz~10GHz Band5 10MHz QPSK 1 0 HighCH20600-844

🔤 Keysight Sp												0 2 2
Center F	req 6	50000	00000 GH	lz		NSE:INT	Avg Type	: Log-Pwr	TRAC	M Jun 14, 2019	_	requency
10 dB/div		Offset 13 30.00 (8 dB	NO: Fast H Sain:Low	#Atten: 3			N	Mkr1 3.7	98 GHz 93 dBm		Auto Tune
20.0 10.0												Center Fred
-10.0	•	1								0L1 -10:00 dDm	3.00	Start Free
-40.0 ##30***	- And and a second	1.e+.(#***	ing and the factor of the fact	ut here and	*******	ungrand	ومحاوسية البنين و	denskrationsk	nene:sylemia	*******	10.00	Stop Free
Start 3.00 #Res BW	1.0 M		×	#VB\ 8 GHz	W 1.0 MHz	FUN		Sweep 1	1.67 ms (.000 GHz 1001 pts)	70 Auto	CF Step 0.000000 MH: Mar
1 N 1 2 3 4 5 6 7 7 8 9 9 10	T		3.79	8 GHZ	-32.93 di	Bm						Freq Offse 0 H
7 8 9 10 11											Log	Scale Type
1						'				•		
MBG								STATUS	\$			

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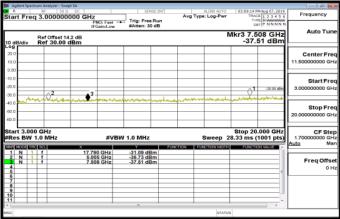
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30MHz~3GHz_Band7_5MHz_QPSK_1_0_LowCH20775-2502.5

🌉 Agilent Spi	ectrum Analyzer - Swept SA							- # *
Start Fre	eq 30.000000 MH	z	SENSE:1	Avg Typ	ALIGN AUTO De: Log-Pwr	TRAC	M Aug 07, 2019	Frequency
10 dB/div	Ref Offset 14.2 dB Ref 30.00 dBm	PNO: Fast IFGain:Low	#Atten: 30 dB		Mk	r1 2.501	0 GHz	Auto Tune
20.0 10.0						¥1		Center Freq 1.515000000 GHz
-10.0						-	-25.00 dBn	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	a and a state of the state of t			ana ang ang ang ang ang ang ang ang ang	han far sen an det	and morning	and the second	Stop Freq 3.000000000 GHz
	¥ 1.0 MHz	#VBW	/ 1.0 MHz		Sweep 2.	000 ms (. /	CF Step 297.000000 MHz Auto Man
2 3 4 5 6 7 8 9		2.501 0 GHz	28.05 dBm	FUNCTION F	JNE TION WITT TH	FUNCTO		Freq Offset 0 Hz
10 11 1			18		STATUS		•	

3GHz~10GHz_Band7_5MHz_QPSK_1_0_LowCH20775-2502.5



30MHz~3GHz_Band7_5MHz_QPSK_1_0_MidCH21100-2535

Agilent Spectrum Analyzer - Swept SA				
R RF 50 Ω DC Start Freq 30.000000 MHz		ALIGN ALIGN AVG Type: Log	Pwr TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14.2 dB 10 dB/div Ref 30.00 dBm	PNO: Fast +++ Trig: Free IFGain:Low #Atten: 3		Mkr1 2.533 7 GHz 28.36 dBm	Auto Tune
20.0 10.0			Ť1	Center Freq 1.515000000 GHz
-10.0				Start Freq 30.000000 MHz
-40.0	and the second secon	and a stand and a stand and a stand a s	APLANA America, scoreda de Joseph Madeura	Stop Freq 3.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW 1.0 MHz	FUNCTION FUNCTION	Stop 3.000 GHz ep 2.000 ms (1001 pts)	CF Step 297.000000 MHz <u>Auto</u> Man
N 1 f 2.5 2 3 - - - 3 - - - - 4 - - - - 5 - - - - 6 - - - - 7 - - - - 8 - - - - 9 - - - - 101 - - - -		Bm		Freq Offset 0 Hz
MSG			STATUS	

3GHz~10GHz_Band7_5MHz_QPSK_1_0_MidCH21100-2535

🗱 Agilent Spectrum An		_			
Start Freg 3.0	50 Q DC	SENSE:1N	Avg Type: Log-Pwr	03:10:40 PM Aug 07, 2019 TRACE 1 2 3 4 5 6	Frequency
	PNO: IFGain 0ffset 14.2 dB ' 30.00 dBm	Fast Trig: Free Run :Low #Atten: 30 dB		Akr3 7.605 GHz -36.90 dBm	Auto Tun
20.0					Center Fre 11.500000000 GH
				-25\$0 abri	Start Fre 3.000000000 GF
40.0 mg	1975-16-16-6-16-16-16-16-16-16-16-16-16-16-1	annan palarinna na haina an ha	ىمىلەيچەكەت «ئەمەنەيە» «يېر _{ۇرو} لىيەر»».		Stop Fre 20.000000000 G
Start 3.000 GH Res BW 1.0 M	/Hz	#VBW 1.0 MHz	Sweep 2	Stop 20.000 GHz 8.33 ms (1001 pts)	CF Ste 1.700000000 GF Auto Mi
1 N 1 f 2 N 1 f 3 N 1 f 4 5	18.946 G 5.070 G 7.605 G	Hz -35.69 dBm			Freq Offs 0 F
6 7 8 9 10 11					
			1	•	
45G			STATU	5	

30MHz~3GHz_Band7_5MHz_QPSK_1_0_HighCH21425-2567.5

	ctrum Ar	nalyzer - Swep									
Start Fre	rq 30	.000000	D MHz			SE:INT	Avg	ALIGN AUTO Type: Log-Pwi	TR	PM Aug 07, 2019	Frequency
10 dB/div		Offset 14	2 dB	VO: Fast Sain:Low	#Atten: 30			м	kr1 2.56	6 4 GHz	Auto Tune
20.0 10.0									1		Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0										-25.00 dBm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		pouncero			****	a		and second s			Stop Freq 3.00000000 GHz
Start 30 M #Res BW	1.0			#VB	W 1.0 MHz			Sweep	2.000 ms	3.000 GHz (1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 1 2 3 4 5 6 7 8 9 10 11 - -			2.566	4 GHz	Υ 27,75 dB						Freq Offset 0 Hz
MSG								STAT	us		

3GHz~10GHz_Band7_5MHz_QPSK_1_0_HighCH21425-2567.5

M Agilent Spec	trum Analyzer - !									
Start Fre		0 0 DC			ISE:INT	Avg Typ	ALIGN AUTO e: Log-Pwr	TRAC	MAug 07, 2019	Frequency
10 dB/div	Ref Offset Ref 30.0	14.2 dB	Ю: Fast ↔ Jain:Low	#Atten: 30	dB			Mkr3 7.7	PNNNNN	Auto Tune
20.0 10.0										Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0	2 ²								-2540800	Start Freq 3.000000000 GHz
-40.0		teres il and the second	and and a second second	te officers the section of the secti	or helesyn fela	- Menter		- All Brancher		Stop Freq 20.000000000 GHz
Start 3.00 #Res BW	1.0 MHz	×	#VBV	V 1.0 MHz	FUNC		Sweep 2	28.33 ms (.000 GHz 1001 pts)	CF Step 1.700000000 GHz Auto Man
1 N 1 2 N 1 3 N 1 4		19.23 5.13 7.70	5 GHz 5 GHz 3 GHz	-30.50 dB -35.28 dB -36.40 dB	im im				_	Freq Offset 0 Hz
5 6 7 8 9 10 11									<u> </u>	
MSG							STATU	5	•	

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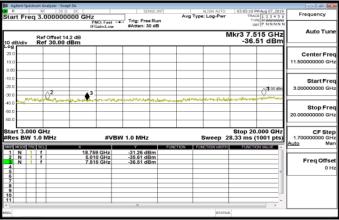
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30MHz~3GHz_Band7_10MHz_QPSK_1_0_LowCH20800-2505

M Agilent Spectrum Analyzer - Swept SA			
R № 50 Ω DC Start Freq 30.000000 MHz	SENSE:INT	Avg Type: Log-Pwr TRA	MAug 07, 2019 E 1 2 3 4 5 6 Frequency
Ref Offset 14.2 dB 10 dB/div Ref 30.00 dBm	PNO: Fast ++- Trig: Free Run IFGain:Low #Atten: 30 dB	Mkr1 2.50	Auto Tune
			Center Freq 1.515000000 GHz
-10.0			30.000000 MHz
-40.0 -50.0 -60.0		ana manadalaran yakun mudala lunganan	Stop Freq 3.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW 1.0 MHz	Sweep 2.000 ms	1000 GHz 1001 pts) CF Step 297.000000 MHz Auto Man
1 N 1 f 2.5 3 -	01 0 GHz 28.06 dBm		Freq Offset 0 Hz
7 8 9 10 11			
MSG		STATUS	

3GHz~10GHz_Band7_10MHz_QPSK_1_0_LowCH20800-2505



30MHz~3GHz_Band7_10MHz_QPSK_1_0_MidCH21100-2535

M Agilent Spectrum Analyzer - Swept					1 1 1
Start Freq 30.000000	MHz	Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr	03:05:51 PM Aug 07, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14. 10 dB/div Ref 30.00 d	PNO: Fast ++ IFGain:Low 2 dB	#Atten: 30 dB	Mkr	1 2.533 7 GHz 28.73 dBm	Auto Tune
20.0 10.0				1	Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0				-25.00 dBm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	and a second		en e	purif Minimum annu Lancastrar	Stop Freq 3.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz	×		Sweep 2.0	Stop 3.000 GHz 000 ms (1001 pts)	CF Step 297.000000 MHz <u>Auto</u> Man
N 1 f 2 3 3 4 5 6 6 7 3 9 9 1 10 1 1	2.533 7 GHz	28.73 dBm			Freq Offset 0 Hz
MSG			STATUS		

3GHz~10GHz_Band7_10MHz_QPSK_1_0_MidCH21100-2535

	requency
Citizet Freq 20,00000000000000000000000000000000000	Auto Tune
200 C	Center Freq 0000000 GHz
	Start Free 0000000 GHz
40.0	Stop Free 0000000 GHz
Auto	CF Step 0000000 GH2 Man
	Freq Offset 0 Hz

30MHz~3GHz_Band7_10MHz_QPSK_1_0_HighCH21400-2565

	ctrum Ar	nalyzer - Swep											
Start Fre	rq 30	.000000	D MHz			NSE:INT	Avg	ALIGN Type: Log	AUTO PWr	TR	5 PM Aug 07, 20 ACE 1 2 3 4 5 TYPE M WWWW	6	Frequency
10 dB/div		Offset 14.	1 2 dB	PNO: Fast FGain:Low	#Atten:				Mk	1 2.5	63 4 GH	z	Auto Tune
20.0 10.0										71			Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0											-25 00 dB		Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	pr. orto	ayu Mitalu wa Kung				alar o anton a af		<u> </u>	e, gel manya	مينيا محمودين			Stop Freq 3.000000000 GHz
Start 30 / #Res BW	1.0		×	#VI	3W 1.0 MH	·		Swe	· ·	000 ms	3.000 GH (1001 pt	5)	CF Step 297.000000 MHz Auto Man
1 N 7 2 3 4 4 5 5 6 7 7 8 9 9 10 11				3 4 GHz	28.38 d								Freq Offset 0 Hz
MSG									STATUS				

3GHz~10GHz_Band7_10MHz_QPSK_1_0_HighCH21400-2565

🌉 Agilent Spe	ctrum Anal		t SA								- 4 -
Start Fre	rq 3.00	50 Q	∞ 000 GHz			NSE:INT		ALIGN AUTO	TRAC	MAug 07, 2019 E 1 2 3 4 5 6 E M WWWW	Frequency
10 dB/div		fiset 14. 30.00 d	iFG 2 dB	O: Fast ↔ ain:Low	#Atten: 3	0 dB		N	/kr3 7.6	95 GHz 27 dBm	Auto Tune
20.0 10.0											Center Freq 11.500000000 GHz
-10.0 -20.0 -30.0		2	→ ³		Buchelautramager		nindali	and the later	والمرز الإلام والأربعة	-25,00 1 0m	Start Freq 3.000000000 GHz
-40.0			Serflershowere.			******					Stop Freq 20.00000000 GHz
Start 3.00 #Res BW	1.0 M			#VBV	V 1.0 MHz			<u> </u>	8.33 ms (• /	CF Step 1.700000000 GHz Auto Man
1 N 2 N 3 N 4 5 6 7 8 9 10 11 1			× 19.261 5.130 7.691	9 GHz 5 GHz	-31.08 df -36.28 df -37.27 df	3m 3m	TION PUS	C TION WIDTH	PUNCTN		Freq Offset 0 Hz
MSG								STATUS			

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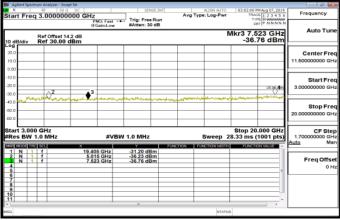
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30MHz~3GHz_Band7_15MHz_QPSK_1_0_LowCH20825-2507.5

	ilent Spe	ctrum A	Analyzer - 1		SA													
Star	t Fre	eq 30	0.000	0 Ω 000	MHz	1		1	NSE:1		Avg		LIGN AUTO		03:01:39 TRA	PM Aug 07 CE 1 2 3 PE M WW	456	Frequency
	B/div		f Offset		dB	NO: Fast Gain:Low	, -	#Atten: 3	0 dB	<u>.</u>			N	lkr1	1 2.50	et P N N	Hz	Auto Tur
20.0 10.0															¥1			Center Fre 1.515000000 GF
-10.0 -20.0 -30.0																	0 dDm	Start Fre 30.000000 MH
-40.0 -50.0 -60.0			-e	~~	and a state of the			-handinger.bit		y caya stada		ite.ist	all an amount	L.S.M	ol ledonou	-		Stop Fre 3.000000000 GF
#Re:	t 30 i s BW	1.0				#V	вw	1.0 MHz	_	ET IM	-		Sweep			3.000 C (1001	pts)	CF Ste 297.000000 MH Auto Mi
		1 1			2.504	0 GHz		27.42 d	Bm									Freq Offs 01
8 9 10 11 *								181					STA	rus			•	

3GHz~10GHz_Band7_15MHz_QPSK_1_0_LowCH20825-2507.5



30MHz~3GHz_Band7_15MHz_QPSK_1_0_MidCH21100-2535

M Agilent Spectrum Analyzer -					
Start Freq 30.000		SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	03:02:27 PM Aug 07, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Offse 10 dB/div Ref 30.0	PNO: Fast IFGain:Lov 14.2 dB 0 dBm	#Atten: 30 dB	Mk	r1 2.530 7 GHz 27.45 dBm	Auto Tune
20.0 10.0				*1	Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0				-35.00 albin	Start Freq 30.000000 MHz
-40.0	12779 - 12 CALL	ng gangar na	and an annual and the state of		Stop Freq 3.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz	×		Sweep 2.	Stop 3.000 GHz 000 ms (1001 pts)	CF Step 297.000000 MHz <u>Auto</u> Man
1 N 1 f 2 3 3 4 4 6 6 7 8 9 9 10 11 10 11 1 1 1	2.530 7 GHz	27.45 dBm			Freq Offset 0 Hz
MSG			STATUS		

3GHz~10GHz_Band7_15MHz_QPSK_1_0_MidCH21100-2535

Agilent Spectrum Analyzer - Swept SA	SENSE 1	ALIGN AUTO	03:02:50 PM Aug 07, 2019	
Start Freq 3.000000000		Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
start Freq 5.00000000	PNO: Fast Trig: Free Run	1	TYPE NWWWWW	
	IFGain:Low #Atten: 30 dB		DET P NNNN N	
	-	N	1kr3 7.605 GHz	Auto Tun
Ref Offset 14.2 dE 10 dB/div Ref 30.00 dBm			-36.19 dBm	
Log				
20.0				Center Fre
10.0				11.50000000 GH
				11.0000000000
0.00				
-10.0				Start Fre
-20.0				3.000000000 GH
	A3		-25,60 Dri	3.000000000 GH
130.0		والمعود معدرات ومعيد معرمي والمراجع	a representation of the second second	
-40.0 martine	A NUMBER OF A DESCRIPTION OF A DESCRIPTI	and the second sec		
-50.0				Stop Fre
				20.000000000 GH
-60.0				
Start 3.000 GHz			Stop 20.000 GHz	CF Ste
#Res BW 1.0 MHz	#VBW 1.0 MHz	Sween 2	3.33 ms (1001 pts)	1.700000000 GH
	#78471.0 1112		· · /	Auto Ma
	X Y	FUNCTION FUNCTION WDTH	FUNCTION WALLE	
1 N 1 1 2 N 1 1	19.269 GHz -31.22 dBm 5.070 GHz -37.08 dBm			
3 N 1 1	7.605 GHz -36.19 dBm			Freq Offse
4				0 H
5			*	
7				
8				
9				
10				
1			•	
MSG		STATUS		

30MHz~3GHz_Band7_15MHz_QPSK_1_0_HighCH21375-2562.5

	ctrum Ar	salyzer - Swep										0 6
Start Fre	iq 30	50 £	D MHz			45E:INT	Avg	ALIGN AU Type: Log-P		TRAC	MAug 07, 2019 E 1 2 3 4 5 (E M WWWW	Frequency
10 dB/div		Offset 14.	2 dB	VO: Fast Sain:Low	#Atten: 3					.557	5 GHz 32 dBm	Auto Tune
20.0 10.0										1		Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0											-25.00 dBn	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		an a				anglo-andredi		-2222222222		() we down	********	Stop Freq 3.00000000 GHz
Start 30 M #Res BW	1.0		×	#VB	W 1.0 MHz			Sweep	2.000	mis (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 7 2 3 4 4 5 6 6 7 7 8 9 9 10 11			2.557	5 GHz	28.32 df							Freq Offset 0 Hz
MSG								51	ATUS			

3GHz~10GHz_Band7_15MHz_QPSK_1_0_HighCH21375-2562.5

🌉 Agilent Spec	ctrum Analyzer - Sw									- # #
Start Fre	g 3.000000			1	SE:INT		ALIGN AUTO	TRAC	MAug 07, 2019	Frequency
eturt ro	4 0.00000	PNO:	Fast +++	#Atten: 30				DE		
10 dB/div	Ref Offset 1 Ref 30.00						n	Mkr3 7.6 -36.9	88 GHz 92 dBm	Auto Tune
20.0 10.0										Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0	2 ²	3						and strategy and a	-25,00] 804	Start Freq 3.000000000 GHz
-40.0	ALL A LONG AND AND A				and a state of the second					Stop Freq 20.000000000 GHz
Start 3.00 #Res BW	1.0 MHz	*	#VBW	1.0 MHz		TION FUE	<u> </u>	8.33 ms (. /	CF Step 1.700000000 GHz Auto Man
1 N 2 N 3 N 4 5 6 7 8 9		19,235 (5,125 (7,688 (3Hz	-31,35 dB -36,12 dB -36,92 dB	m				=	Freq Offset 0 Hz
8 9 10 11 •							STATU	5		

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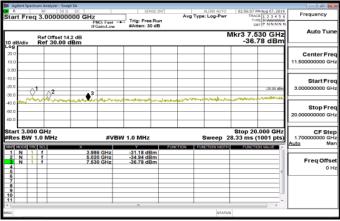
(新手方方) 就明, 也報告結本性質消滅之体論資資, 同時起体部資源, 同時起体部資格(新日), 公務等未整本公司省面計 「、不可能的複複。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>www.sgs.com/terms and conditions.htm</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>www.sgs.com/terms e-document.htm</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



30MHz~3GHz_Band7_20MHz_QPSK_1_0_LowCH20850-2510

🌉 Agilent Spe	ctrum Analyzer - Swept SA							
Start Fre	RF 50 0 DC		Trig: Free R	Avg	ALIGN AUTO Type: Log-Pwr	TRAC	MAug 07, 2019	Frequency
10 dB/div	Ref Offset 14.2 dB Ref 30.00 dBm	PNO: Fast ++ IFGain:Low	#Atten: 30 d		м	(r1 2.504	4 0 GHz 87 dBm	Auto Tune
20.0 10.0						*1		Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0							-25 00 dBn	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	- Pal- pal-palanter and a part of a		-to-u-ga-gand and		aluna dulun Anto Anto	And particular	**************************************	Stop Freq 3.000000000 GHz
Start 30 I #Res BW	1.0 MHz	#VBV	V 1.0 MHz		Sweep 2	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 3 4 5 6 7 8 9		504 0 GHz	26.87 dBm		FORCHONWOTH	PUNCTO		Freq Offset 0 Hz
10 11 •			781		STATU	s	•	

3GHz~10GHz_Band7_20MHz_QPSK_1_0_LowCH20850-2510



30MHz~3GHz_Band7_20MHz_QPSK_1_0_MidCH21100-2535

M Agilent Spectrum Analyzer - Swept SA					1 1 1
R RF 50 Ω DC Start Freq 30.000000 MHz		SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	02:57:50 PM Aug 07, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14.2 dB 10 dB/div Ref 30.00 dBm		g: Free Run tten: 30 dB	Mkr	1 2.527 8 GHz 27.65 dBm	Auto Tune
20.0 10.0				*1	Center Freq 1.515000000 GHz
-10.0				-35 10 abre	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		a ga an	kilow Bologensel (val. artister), sy d	and Andrewski periodicija	Stop Freq 3.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz MODE MODE SKL X	#VBW 1.0	FUNCT	Sweep 2.0	Stop 3.000 GHz 000 ms (1001 pts)	CF Step 297.000000 MHz <u>Auto</u> Man
N 1 f 2.5 2 3 1 1 2.5 3 3 1 1 1 2.5 3 3 1 1 1 2.5 2.5 3 3 1 1 1 2.5		.65 dBm		*	Freq Offset 0 Hz
MSG			STATUS		

3GHz~10GHz_Band7_20MHz_QPSK_1_0_MidCH21100-2535

🕅 Agit	ent Sp	ectrur	m An	alyzer - Swe															- # #
Start	En	ea	8F 3.0	00000		GHz			1	INSE 1		Avg	LIGN AU		02:59: T	RACE	ug 07, 20	5.6	Frequency
10 dB			Ref	Offset 14	1.2 dB	PI IFC	NO: Fasi Sain:Lo	N	#Atten:				 	м	kr3 7 -3	.60	5 GH 3 dBr	z	Auto Tune
20.0 10.0																			Center Freq 11.50000000 GHz
-10.0 -20.0 -30.0		N-an		2 ²		▲3							 		p104 ¹⁴ -1049.		-35 (0) \$		Start Free 3.000000000 GH2
-40.0 -50.0 -60.0	~~	10.4		*		no per			an a		liph/ant.a		 14-74-61						Stop Free 20.000000000 GH
Start #Res	BV	V 1.	0 1		_		#\	/BW	1.0 MH	2					Stop 1.33 m	s (10	001 pt		CF Step 1.700000000 GH: Auto Mar
2	NNN		1 1 1		> 	5.07	7 GHz 0 GHz 5 GHz		-31.86 d -36.07 d -38.06 d	Bm	FUNC		CTONW	DTH	FUN	CTION	VALUE		Freq Offset 0 Hz
•									191								•		
MSG													51	ATUS					

30MHz~3GHz_Band7_20MHz_QPSK_1_0_HighCH21350-2560

Start Pred 30.000000 MHZ Trig: Free Run Fred into: me Trig: Free Run Start: 30 dB Num Trig: Free Run Start: 30 dB Num Auto 0		m Analyzer - Swept SA					
Ref Offset 14.2 dB Mkr1 23 dB Mkr1 2.551 5GHz Auto 10 dBldiv Ref Offset 14.2 dB Mkr1 2.551 GHz Auto 10 dBldiv Ref Offset 14.2 dB Mkr1 2.551 GHz Auto 10 dBldiv Ref Offset 14.2 dB Mkr1 2.551 GHz Auto 10 dBldiv Ref Offset 14.2 dB Mkr1 2.551 GHz Auto 10 dBldiv Ref Offset 14.2 dB Star Star 10 dBldiv Ref Offset 14.2 dB Mkr1 2.551 GHz Star 10 dBldiv Ref Offset 14.2 dB Star Star Star 10 dB Star Star Star Star Star Star Star Star Auto Star Auto Auto Auto Star Auto Star Auto Star Auto Auto Star Auto Auto </th <th></th> <th></th> <th></th> <th>Avg T</th> <th></th> <th>TRACE 1 2 3 4 5 6</th> <th>Frequency</th>				Avg T		TRACE 1 2 3 4 5 6	Frequency
Log 1 1 1 Content of the second of the secon					Mk	r1 2.551 5 GHz	Auto Tune
100 350000 100 350000 100 350000 100 100000 100 100000 100 100000 100 100000 100 1000000 100 1000000 100 1000000 100000000 100000000 100000000000000 1000000000000000000000000000000000000	20.0 10.0					Ť1	Center Freq 1.515000000 GHz
000 000 <td>20.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Start Freq 30.000000 MHz</td>	20.0						Start Freq 30.000000 MHz
#Res BW 1.0 MHz #VBW 1.0 MHz Sweep 2.000 ms (1001 pts) 297,0000 Cost Rock Ring Exit X Y #Metric Number 100 motion Auto- Auto- 1 N 1 f 2.551 5 GHz 2.85 0 GBm Function motion Function motion Auto-	60.0		1944 - 1945 - 1975 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 -	alan ka panian second	ang	unget Consistencement	Stop Freq 3.000000000 GHz
MORE THE SEL X Y FUNCTION FUNCTION WOTH FUNCTION VALUE A	Res BW 1.0	.0 MHz	#VBW 1.0 MHz			000 ms (1001 pts)	297.000000 MHz
	I N 1 2 3 - 3 - - 4 - - 5 - - 6 - - 7 - - 8 - - 9 - - 10 - -	7 2.5	551 5 GHz 28.50 d			PUNCTION VALUE	Freq Offset 0 Hz

3GHz~10GHz_Band7_20MHz_QPSK_1_0_HighCH21350-2560

📕 Agilent Spec	trum A	nalyzer - Swep	t SA								
Start Fre	NF	50 0			SE	NSE:INT	Ave Typ	ALIGN AUTO e: Log-Pwr	TRAC	MAug 07, 2019	Frequency
oturerro	q 0.1	000000	P	O:Fast	#Atten: 3				TH	P NNNN N	
			IFC	sain:Low	watten: a	U GB			Mkr3 7.6		Auto Tune
10 dB/div		Offset 14.								80 GHZ 21 dBm	
Log	Re	1 30.00 0	ып								
20.0	-										Center Freq
10.0	-										11.50000000 GHz
0.00	-										
-10.0											Start Freq
-20.0	_	1								-25.00 dBm	3.000000000 GHz
-30.0	- 1	2	▲3								
-40.0	~~~	A CONTRACTOR OF A CONTRACTOR A	1 and a start of the	موقاية التظلم حيداتهم	and the main states	and a log of the second	a sharen	- And Angle Jordine	a propriations	and the state of t	
-60.0											Stop Freq
-60.0											20.00000000 GHz
Start 3.00 #Res BW					¥ 1.0 MHz				Stop 20 8.33 ms (.000 GHz	CF Step 1.70000000 GHz
				#VB#	V 1.0 WHZ			<u> </u>		• /	Auto Man
MODE TO 1 N 1	90 901		× 4.85	3 GHz	-31.85 di		CTION FU	NCTION WDTH	FUNCTI	IN VALUE	
2 N 1	11		5.12	0 GHz	-35.94 dl	3m				_	Freq Offset
3 N 1 4	Ψr.		7.68	0 GHz	-37.21 di	sm				_	0 Hz
5	-									-	
4 5 6 7 8 9	-										
8	+					-					
10	-			_							
					111					•	
MSG								STATU	5		

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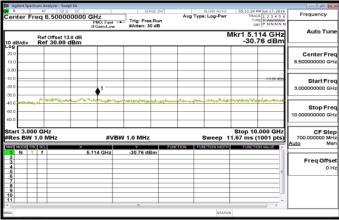
(新手方方) 就明, 也報告結本性質消滅之体論資資, 同時起体部資源, 同時起体部資格(新日), 公務等未整本公司省面計 「、不可能的複複。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>www.sgs.com/terms and conditions.htm</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>www.sgs.com/terms e-document.htm</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



30MHz~3GHz_Band12_1_4MHz_QPSK_1_0_LowCH23017-699.7

M Agilent Spectrum An							
Center Freq 1	.515000000 GH		Avg T	ALIGN AUTO	TYPE	123456	Frequency
10 dB/div Ref	Offset 13.8 dB 30.00 dBm	io:Fast ↔ #Atten: Sain:Low		M	r3 2.099	PNNNNN	Auto Tune
20.0 10.0 0.00	¥1						Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0		^2		3-		-10:00 (Dr)	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0						K3),240-8*1	Stop Freq 3.000000000 GHz
Start 30 MHz #Res BW 1.0 M	×	#VBW 1.0 MH2	FUNCTION	Sweep 2	Stop 3.0 .000 ms (10	01 pts)	CF Step 297.000000 MHz <u>Auto</u> Man
1 N 1 f 2 N 1 f 3 N 1 f 4 5 6	701. 1,399 2,099	2 MHz 26.56 d 4 GHz -41.36 d 1 GHz -38.77 d	Bm				Freq Offset 0 Hz
7 8 9 10 11							
MSG				STATU			

3GHz~10GHz_Band12_1_4MHz_QPSK_1_0_LowCH23017-699.7



30MHz~3GHz Band12 1 4MHz QPSK 1 0 MidCH23095-707.5

M Agilent Spectri	um Analyzer - Swep	t SA							
Center Fre	eq 1.51500	0000 GH	łz		SE:INT	ALIGN AUTO : Log-Pwr	TRAC	MJun 17, 2019	Frequency
10 dB/div	Ref Offset 13. Ref 30.00 d	iFi 8 dB	NO: Fast ↔ Gain:Low	#Atten: 30		 M	r3 2.122	5 GHz 40 dBm	Auto Tune
20.0 10.0		¥1							Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0				2 ²		3		-10.00 tibin	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	er and a second s	,		and and the second	هر ادي محمر ي	 		errow de la provideo	Stop Freq 3.00000000 GHz
Start 30 M #Res BW 1	.0 MHz	×	#VB\	V 1.0 MHz	FUN	 Sweep 2	.000 ms (,	CF Step 297.000000 MHz Auto Man
1 N 1 2 N 1 3 N 1 4 5 6 6 7 7 8 9 9 10 11		1.415	1 MHz 0 GHz 5 GHz	26.37 dB -40.57 dB -38.40 dB	m				Freq Offset 0 Hz
MSG						STATU	5		

3GHz~10GHz_Band12_1_4MHz_QPSK_1_0_MidCH23095-707.5

🌉 Agile	nt Spectrue																- 4 🐱
Cente	er Fre		50 0	0000 GH	17	_		SE:INT		Avg		LIGN AUTO	05	TRAC	MJun 17, 1	5.6	Frequency
10 dB/	F	Ref Offs	et 13.8	P IF	NO: Fast Sain:Low		rig: Free Atten: 30							3.9	52 GI	Ηz	Auto Tune
20.0 10.0			.00 a	bm													Center Freq 6.500000000 GHz
-10.0 -20.0 -30.0		•	1												-49.00	ten	Start Freq 3.000000000 GHz
-40.0 44 -50.0	Ropender		-	and and and	Annydd-		hay diga	-hoston and		adaman pa	an Lee	un internetienet in the second se		19 19 Life	Merry Hope	eri.	Stop Freq 10.000000000 GHz
#Res	3.000 BW 1.	0 MHz			#VI	BW 1.0	MHz		FUNCT	KW I		weep	11.67	ms (000 G 1001 p	Hz ts)	CF Step 700.000000 MHz Auto Man
1 N 2 3 4 5		1		3.95	2 GHz	-3	3.46 dB	im									Freq Offset 0 Hz
6 7 8 9 10 11																	
MSG												STAT	JS				L

30MHz~3GHz_Band12_1_4MHz_QPSK_1_0_HighCH23173-715.3

M Agilent Spectrum Analyzer - Swept SA	۱. ۱				
Center Freq 1.515000	000 GHz	Trig: Free Run	ALIGN AUTO Avg Type: Log-Pwr	05:16:00 PMJun 17, 2019 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 13.8 / 10 dB/div Ref 30.00 dB		#Atten: 30 dB	Mk	r3 2.145 9 GHz -39.70 dBm	Auto Tune
20.0 10.0	¥1				Center Freq 1.515000000 GHz
-10.0		^2	3	-19.00 (Dr)	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		ware for any series	and the second	k, kontraktionen er fillen an en en er	Stop Freq 3.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW	1.0 MHz		Stop 3.000 GHz 000 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
Note File Sector 1 N 1 f 2 N 1 f 3 N 1 f 4 1 f f 5 1 f f 6 1 f f 7 2 N f 8 9 1 f 10 11 1 f	x 716.1 MHz 1.430 6 GHz 2.145 9 GHz	26.63 dBm -41.84 dBm -39.70 dBm	FUNCTION WOTH		Freq Offset 0 Hz
MSG			STATUS		

3GHz~10GHz_Band12_1_4MHz_QPSK_1_0_HighCH23173-715.3

🌉 Agilent Spec		alyzer - Swep									- 4 🐱
Center F	req 6	50 Q	0000 GH	z		NSE:3NT	Avg	ALIGN AUTO Type: Log-Pwi	TRA	PM Jun 17, 2019	Frequency
10 dB/div	Ref Ref	Offset 13. ' 30.00 d	iFC 8 dB	¥O: Fast ← Sain:Low	#Atten: 3				Mkr1 4.	722 GHz .63 dBm	Auto Tune
20.0 10.0											Center Freq 6.50000000 GHz
-10.0 -20.0 -30.0			∳ ¹ .							-10.00 t/De	Start Freq 3.000000000 GHz
-40.0 3443344 -50.0	entre	an the second	Lyn (Merlen)		Analysis and South	for water the real	han mangahan sa	houseenmake	dan arten den		Stop Freq 10.000000000 GHz
Start 3.00 #Res BW	1.0 N	/Hz	×		W 1.0 MHz	FUN	TION	Sweep	11.67 ms	0.000 GHz (1001 pts)	CF Step 700.000000 MHz Auto Man
1 N 1 2 3 4 5 6 7 8 9 9 10	1		4.72	2 GHz	-32.63 df	3m					Freq Offset 0 Hz
10 11 •					11			STAT	us	•	

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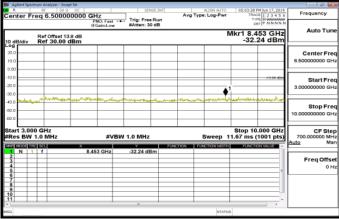
(新手方方) 就明, 也報告結本性質消滅之体論資資, 同時起体部資源, 同時起体部資格(新日), 公務等未整本公司省面計 「、不可能的複複。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>www.sgs.com/terms and conditions.htm</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>www.sgs.com/terms e-document.htm</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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30MHz~3GHz_Band12_3MHz_QPSK_1_0_LowCH23025-700.5

	ctrum Analyzer - S									
Center F		000000 GH	łz		SE:INT	Avg Ty	ALIGN AUTO pe: Log-Pwr	TRAC	MJun 17, 2019	Frequency
10 dB/div	Ref Offset Ref 30.0	13.8 dB	NO:Fast ↔ Gain:Low	#Atten: 30			м	(r3 2.10	1 5 GHz 93 dBm	Auto Tune
20.0 10.0		¥1								Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0							3		-19.00 (Dr)	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	dana aya dalama				Auronan, Josh				adarta dari dari yang dala	Stop Freq 3.000000000 GHz
Start 30 #Res BW	1.0 MHz	×	#VB	W 1.0 MHz	FUN	CTION F	Sweep 2	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 N 3 N 4 5 6 7 8 9 9	T T	1,401	2 MHz 0 GHz 5 GHz	26.46 dB -41.32 dB -37.93 dB	m					Freq Offset 0 Hz
11 •				m	-		STATU	s	•	

3GHz~10GHz_Band12_3MHz_QPSK_1_0_LowCH23025-700.5



30MHz~3GHz_Band12_3MHz_QPSK_1_0_MidCH23095-707.5

Agilent Spectrum Analyzer - Swept SA			- -
Center Freq 1.515000000	GHz Trig: Free Run	ALIGN AUTO 05:05:11 PMJun 17, 2019 Avg Type: Log-Pwr TRACE 1 2 3 4 5 6	Frequency
Ref Offset 13.8 dB 10 dB/div Ref 30.00 dBm	PNO: Fast +++ Trig: Free Run IFGain:Low #Atten: 30 dB	Mkr3 2.122 5 GHz -38.48 dBm	Auto Tune
200 ×1			Center Freq 1.515000000 GHz
-10.0		-10.00 mBm	Start Freq 30.000000 MHz
-40.0 20000000000000000000000000000000000	in the second		Stop Freq 3.00000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW 1.0 MHz	Stop 3.000 GHz Sweep 2.000 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 1 f 7 2 N 1 f 1.4	07.2 MHz 27.14 dBm 150 GHz -39.59 dBm 22 § GHz -38.48 dBm		Freq Offset 0 Hz
MSG		STATUS	

3GHz~10GHz_Band12_3MHz_QPSK_1_0_MidCH23095-707.5

									nalyzer - Swe		ilent Sp	🚺 Ag
Frequency	MJun 17, 2019	05:05:291	ALIGN AUTO		NSE:INT	SE				66		R
Frequency	123456	TRAC	: Log-Pwr	Avg Type		Trig: Fre	z	00000 GH	6.5000	Freq	ter	Cen
	PNNNN	D			0 dB	#Atten: 3	iO:Fast ← iain:Low	P				
Auto Tune					000	motion. a	alln:Low					_
	93 GHz		N 1					B dB	Offset 1	Ref		
	98 dBm	-32.							f 30.00		B/div	10 d
-												Log
Center Fre											⊢	20.0
6.500000000 GH												10.0
0.0000000000												10.0
					-						-	0.00
Start Free	-10.00 (Dr)				-							-10.0
												-20.0
3.00000000 GH									1			
L					-						⊢	-30.0
	and the second second	and the second	بيساهرا يناس	and the second second second	an and	W. Bernhyer w	"Latter	eright french	and the second	ender 177		-40.0
Stop Fre											L .	
10.00000000 GH												-60.0
											⊢	-60.0
CF Step	.000 GHz									000 GI		
700.000000 MH	1001 pts)	1.67 ms (Sweep 1			1.0 MHz	#VB		MHz	N 1.0	s Bl	#Re
Auto Ma		FUNCTO	ICTION WOTH	7890 I 610		~		×		THC SC		177701
		- Children		100		-32.98 dl	3 GHz			1 (1
F												2
Freq Offse					_		_				_	3
0 H					-					-	-	4
					-						-	6
												7
					_		_				_	8
										-	-	9
									-		-	11
	+					181						•
			STATUS									MSG

30MHz~3GHz_Band12_3MHz_QPSK_1_0_HighCH23165-714.5

📕 Agilent Spei	ctrum Analyzer	 Swept SA 						0 6
Center F		50 0 DC	lz			ALIGN AUTO Type: Log-Pwr	05:07:12 PM Jun 17, 201 TRACE 1 2 3 4 5 TYPE M WWWW	6 Frequency
10 dB/div		P IF et 13.8 dB 00 dBm	NO: Fast ⊶ Gain:Low	#Atten: 30		M	r3 2.143 5 GH: -38.43 dBn	Auto Tune
20.0 10.0		¥1						Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0				2		▲3	-19:00:00	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	ffrankersen of	ana an	*****			and a start of the second start of the	agente en entre la constança de	Stop Freq 3,00000000 GHz
Start 30 M #Res BW	1.0 MHz	×	#VB\	V 1.0 MHz		Sweep 2	Stop 3.000 GH 2.000 ms (1001 pts	
1 N 1 2 N 1 3 N 1 4 5 6		1.429	1 MHz 0 GHz 5 GHz	26.14 dBr -40.36 dBr -38.43 dBr	n			Freq Offset 0 Hz
5 6 7 8 9 10 11								
MSG						STATU	s	

3GHz~10GHz_Band12_3MHz_QPSK_1_0_HighCH23165-714.5

🌉 Agilent Sper	ctrum Ar	nalyzer - Swep	e SA								
Center F	req (50 £	0000 GH	z		NSE:INT	Avg Ty	ALIGN AUTO	TRAC	MJun 17, 2019	Frequency
10 dB/div		Offset 13. f 30.00 d	B dB	Ю:Fast ↔ Jain:Low	#Atten: 3	0 dB			Mkr1 4.7	PNNNN	Auto Tune
20.0 10.0											Center Freq 6.50000000 GHz
-10.0 -20.0 -30.0			1							-10:00 (Dr	Start Freq 3.00000000 GHz
-40.0 4400444 -50.0 -60.0	~~~	had a state of the	and a second second	an an an an Anna Anna Anna Anna Anna An		arrana, seehila	hubbline	******	daran ay any a	1. (29-10), 15-1-1-19(1)	Stop Freq 10.00000000 GHz
Start 3.00 #Res BW	1.0	MHz	×		v 1.0 MHz	FUN	CTION F	Sweep 1	1.67 ms (.000 GHz 1001 pts)	CF Step 700.000000 MHz Auto Man
1 N 7 2 3 4 5 6	1		4.70	8 GHz	-32.01 di	3m					Freq Offset 0 Hz
5 6 7 8 9 10 11											
MSG								STATU	s		

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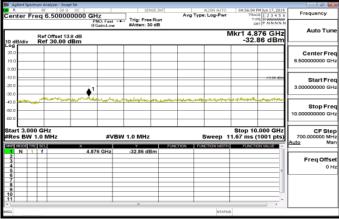
(新手方方) 就明, 也報告結本性質消滅之体論資資, 同時起体部資源, 同時起体部資格(新日), 公務等未整本公司省面計 「、不可能的複複。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>www.sgs.com/terms and conditions.htm</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>www.sgs.com/terms e-document.htm</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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30MHz~3GHz_Band12_5MHz_QPSK_1_0_LowCH23035-701.5

	ctrum Analyzer - S									
Center F		000000 GH	łz		E:INT	Avg Typ	ALIGN AUTO e: Log-Pwr	TRAC	MJun 17, 2019	Frequency
10 dB/div	Ref Offset Ref 30.0	13.8 dB	NO:Fast ↔ Gain:Low	#Atten: 30	dB		М	r3 2.104	4 5 GHz 65 dBm	Auto Tune
20.0 10.0 0.00		¥1								Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0				2			3		-10.00 (Din	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	and and a second second second	ganger of the second			<u>tondatio</u> b	a generated by	and the second	an an distant	-198-6.a.y.c.,b.,b.	Stop Freq 3.000000000 GHz
Start 30 #Res BW	1.0 MHz	×	#VB	W 1.0 MHz	FUNC		Sweep 2	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 N 3 N 4 5 6 7 8 9		1,403	2 MHz 0 GHz 5 GHz	26.39 dB -40,57 dB -38,66 dB	n					Freq Offset 0 Hz
10 11 • •							STATU	5		

3GHz~10GHz_Band12_5MHz_QPSK_1_0_LowCH23035-701.5



30MHz~3GHz_Band12_5MHz_QPSK_1_0_MidCH23095-707.5

M Agilent Spectru	am Analyzer - Swep	rt SA								
Center Fre	eq 1.51500	0000 GH	z		SE:INT		ALIGN AUTO	TRAC	MJun 17, 2019	Frequency
10 dB/div	Ref Offset 13. Ref 30.00 d	.8 dB IBm	NO: Fast ↔ Sain:Low	#Atten: 30			М	r3 2.12	2 5 GHz 11 dBm	Auto Tune
20.0 10.0		¥1								Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0				2			3		-10:00 (Em	Start Freq 30.000000 MHz
-40.0 settestime're -60.0	an a		Care a reader	X	and and and	i ali anti anti anti anti anti anti anti ant	elagen verdeter fø	all state and an open lines		Stop Freq 3.00000000 GHz
Start 30 Mi #Res BW 1	.0 MHz	×	#VB\	V 1.0 MHz	FUN		Sweep 2	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 1 2 N 1 3 N 1 4 5 6 7 7 8 9 10 10		707. 1.415 2.122	2 MHz 0 GHz 5 GHz	25.75 dB -39.62 dB -38.11 dB	m					Freq Offset 0 Hz
MSG							STATU	5		

3GHz~10GHz_Band12_5MHz_QPSK_1_0_MidCH23095-707.5

📕 Agilent Spectrum Analyzer - Sw					
Center Freq 6.5000	00000 GHz	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	04:58:14 PM Jun 17, 2019 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast IFGain:Low	Trig: Free Run #Atten: 30 dB		Akr1 3.994 GHz	Auto Tune
10 dB/div Ref 30.00				-32.17 dBm	
20.0					Center Free 6.50000000 GH
-10.0				-49.00 dDm	Start Fre 3.000000000 GH
-30.0 -40.0 -50.0		1.7yminter-1.1991	harlet-mainten maaigumaan	โรงการสำนัญนัย (_ส องการสาขางการสาขางการสาข	Stop Fre
-50.0 Start 3.000 GHz #Res BW 1.0 MHz	#VBW 1	.0 MHz	Sweep 1	Stop 10.000 GHz 1.67 ms (1001 pts)	CF Ste
	X 3.994 GHz	Y FUN 32.17 dBm	TION FUNCTION WDTH	,	Auto Ma
2 3 4 5	5.884 GHZ	52.17 dbm			Freq Offse 0 H
6 7 8 9 10					
11				*	
MSG			STATUS	5	

30MHz~3GHz_Band12_5MHz_QPSK_1_0_HighCH23155-713.5

M Agilent Spec	trum Analyzi	tr - Swept SA							
Center F	req 1.5	50 9 DC	łz	Trig: Free R	Avg	ALIGN AUTO Type: Log-Pwr	04:59:35 PM Jun 17 TRACE 1 2 3 TYPE M WW	456	Frequency
10 dB/div			NO: Fast ⊶ Gain:Low	#Atten: 30 d		Mł	r3 2.140 5 0 -39.11 d	Hz	Auto Tune
20.0 10.0		¥1							Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0				2		4 3		10 1Des	Start Freq 30.000000 MHz
-40.0 -60.0		and the second s				un north and the second			Stop Freq 3.000000000 GHz
Start 30 M #Res BW	1.0 MH	×		V 1.0 MHz		Sweep 2	Stop 3.000 .000 ms (1001	pts)	CF Step 297.000000 MHz Auto Man
1 N 1 2 N 1 3 N 1 4 5	1	1.427	1 MHz 0 GHz 5 GHz	26.62 dBn -40.60 dBn -39.11 dBn					Freq Offset 0 Hz
4 5 7 8 9 10 11									
NSG						STATU	5	+	

3GHz~10GHz_Band12_5MHz_QPSK_1_0_HighCH23155-713.5

🌉 Agilent Sper	ctrum A	nalyzer - Swep	e SA								
Center F	req	50 £	0000 GH	z		NSE:INT	Avg Ty	ALIGN AUTO pe: Log-Pwr	TRAC	MJun 17, 2019	
10 dB/div		Offset 13. f 30.00 d	B dB	¥O:Fast ⊶ Sain:Low	#Atten: 3	0 dB		N	Mkr1 4.6	94 GHz 28 dBm	Auto Tune
20.0 10.0											Center Freq 6.50000000 GHz
-10.0 -20.0 -30.0	_		↓1							-10.00 (Den	Start Freq 3.00000000 GHz
-40.0 405,044 -50.0 -60.0	~~ ^{r*}	alang sarah di kalan	herry all and the second			an second and a second	alaronya falso	en der verschiel Miret	erander-rays	harmon	Stop Freq 10.000000000 GHz
Start 3.00 #Res BW	1.0	MHz	×		V 1.0 MHz	FUN	ICTION P	Sweep 1	1.67 ms (.000 GHz 1001 pts)	CF Step 700.000000 MHz <u>Auto</u> Man
1 N 1 2 3 4 5 6	1		4.69	4 GHz	-32.28 di	Bm				_	Freq Offset 0 Hz
5 6 7 8 9 10 11					11						
MSG								STATUS	s		

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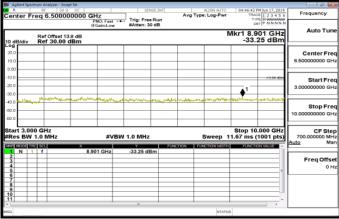
(新手方方) 就明, 也報告結本性質消滅之体論資資, 同時起体部資源, 同時起体部資格(新日), 公務等未整本公司省面計 「、不可能的複複。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>www.sgs.com/terms and conditions.htm</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>www.sgs.com/terms e-document.htm</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



30MHz~3GHz_Band12_10MHz_QPSK_1_0_LowCH23060-704

	ctrum Analyzer - S									
Center F	req 1.515	000000 GH	IZ NO: Fast →		E:INT	Avg Type	ALIGN AUTO : Log-Pwr	TRAC	MJun 17, 2019	Frequency
10 dB/div	Ref Offset Ref 30.00	13.8 dB	NO: Fast Gain:Low	#Atten: 30			M	r3 2.112	P NNNN N	Auto Tune
20.0 10.0 0.00		×1								Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0				2			3		-10.00 (Dn	Start Free 30.000000 MHz
-40.0 -50.0 -60.0	alara and a second s	and the second				ay ing	and the second se			Stop Free 3.000000000 GHz
Start 30 M #Res BW	1.0 MHz	×	#VB\	W 1.0 MHz	FU	ICTION FU	<u> </u>	.000 ms (. /	CF Step 297.000000 MHz Auto Man
1 N 7 2 N 7 3 N 7 4 5 6 7 7 8 9 9 10 11		1.408	2 MHz 0 GHz 0 GHz	26.50 dB -40,50 dB -38.77 dB	m					Freq Offset 0 Hz
i €			-	m			STATU	-	•	
							annina	-		

3GHz~10GHz_Band12_10MHz_QPSK_1_0_LowCH23060-704



30MHz~3GHz_Band12_10MHz_QPSK_1_0_MidCH23095-707.5

Agilent Spectrum Analyzer - Swept SA				
Center Freq 1.515000000	GHz Trig: Free R	Avg Type: Log-Pwr	04:48:20 PMJun 17, 2019 TRACE 1 2 3 4 5 6 TYPE M WWWWW	Frequency
Ref Offset 13.8 dB 10 dB/div Ref 30.00 dBm	PNO: Fast Trig: Free F IFGain:Low #Atten: 30 o	dB	r3 2.122 5 GHz -39.34 dBm	Auto Tune
20.0 10.0 0.00				Center Freq 1.515000000 GHz
-10.0	^2	3-	-19.00 iEm	Start Freq 30.000000 MHz
-40.0 20000000000000000000000000000000000		ng land an dia menangkan di	internet and a second	Stop Freq 3.000000000 GHz
Start 30 MHz #Res BW 1.0 MHz	#VBW 1.0 MHz	Sweep 2	Stop 3.000 GHz 000 ms (1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 1 f 3 2 N 1 f 14 3 N 1 f 24 4 1 5 5 6 6 6 7 8 9 9 9 9 10 10 10 10	704.2 MHzi 22.02 dBn 150 GHz - 40,54 dBn 122.5 GHz39,34 dBn			Freq Offset 0 Hz
MSG		STATUS		

3GHz~10GHz_Band12_10MHz_QPSK_1_0_MidCH23095-707.5 nter Freq 6.50000000 GHz FNO: Fast Free Run Froint.cov #Atten: 30 dB ALIGN AUT Avg Type: Log-Pw Freque Auto Tu Mkr1 4.001 GHz -33.74 dBm Ref Offset 13.8 dB

	4 0.0111	00.1						ын	1 30.00	aiv nee	
Center Freq 6.50000000 GHz											20.0 10.0
Start Freq 3.000000000 GHz	-10.00 dDm										-10.0
Stop Freq 10.000000000 GHz	~,	ang	ydwyrafyl 8	Ursthape	lf-g _{odi} therik	an shina ya angan	halder-pro-	han Jahr Unwerter	Part Andrew	Strend of the	-40.0 40 -50.0 -
CF Step 700.000000 MHz Auto Man	.000 GHz 1001 pts)	1.67 ms (*	Sweep 1			1.0 MHz	#VB		MHz	3.000 G BW 1.0	#Res
Freq Offset 0 Hz	#	PUNCTO	CHONWOIN	TICH		-33.74 dE	1 GHz				1 N 2 3 4 5 6 7
	▤.										7 8 9 10 11

30MHz~3GHz_Band12_10MHz_QPSK_1_0_HighCH23130-711

📕 Agilent Spect	rum Analyzer - Sw									
Center Fr	eq 1.5150	00000 GH2	2		SE:INT		ALIGN AUTO	TRAC	MJun 17, 2019	Frequency
10 dB/div	Ref Offset 1 Ref 30.00	IFG	D: Fast ++	#Atten: 30			Mk	r3 2.133		Auto Tune
20.0 10.0		¥1								Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0				^ 2			3		-10.00 iDe	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		-pollogram	in the section of the	Q ⁻	دورو حاولي دوار	weeting the second s			lotonopoliulion	Stop Freq 3.00000000 GHz
Start 30 N #Res BW	1.0 MHz		#VBW	/ 1.0 MHz	ST IN/		Sweep 2	.000 ms (<u> </u>	
1 N 1 2 N 1 3 N 1 4 5 6 7 8 9		707.2 1.422 0 2.133 0	GHz	26.42 dB -40.13 dB -38.21 dB	m					Freq Offset 0 Hz
10				-11						
MSG							STATUS	5		

3GHz~10GHz_Band12_10MHz_QPSK_1_0_HighCH23130-711

📖 Agilent Spec	ctrum Analyzer - Swe								- # #
Center F	req 6.50000	00000 GHz		NSE:INT		ALIGN AUTO	TRAC	MJun 17, 2019	Frequency
10 dB/div	Ref Offset 13 Ref 30.00	IFGain:				N	1kr1 4.0	15 GHz 28 dBm	Auto Tune
20.0 10.0									Center Freq 6.50000000 GHz
-10.0 -20.0 -30.0	↓ ¹							-10.00 (De	Start Freq 3.000000000 GHz
-40.0 2019444 -50.0	and the second		angle _{se d} aff <mark>e s</mark> panske forespec	\$1***\$3 ₀ 11** * \$749	1.ariB-4.49427494	an a	و، حدال والأخريين	pasar (girran da ag	Stop Freq 10.000000000 GHz
Start 3.00 #Res BW	1.0 MHz	×	#VBW 1.0 MH2	FUN		<u> </u>	1.67 ms (*		CF Step 700.000000 MHz <u>Auto</u> Man
1 N 1 2 3 4 5 6 7 8 9 10		4.015 GH	lz -32.28 d	Bm				≡.	Freq Offset 0 Hz
7 8 9 10 11								=	
MSG						STATUS			

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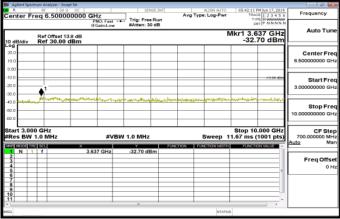
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30MHz~3GHz_Band13_5MHz_QPSK_1_0_LowCH23205-779.5

	ctrum Analyzer - Swe									
Center F	req 1.51500	00000 GH	Z O:Fast -+		E:INT		ALIGN AUTO	TRAC	MJun 17, 2019	Frequency
10 dB/div	Ref Offset 13 Ref 30.00	1FG 3.8 dB	o: Fast	#Atten: 30			М	r3 2.338	3 5 GHz 84 dBm	Auto Tune
20.0 10.0		*1								Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0					~ 2		A 3			Start Free 30.000000 MHz
-40.0 300-en/	And the second	an and the second second	and the state of the		Lanour	an a	an a	lenter enter	ar da an	Stop Free 3.00000000 GHz
Start 30 #Res BW	1.0 MHz	×	#VBV	V 1.0 MHz	FUN		<u> </u>	.000 ms (. /	CF Step 297.000000 MHz Auto Man
1 N 2 N 3 N 4 5 6 7 8 9		778.4 1.559 0 2.338 6	MHz GHz GHz	26.91 dB -40.97 dB -38.84 dB	m					Freq Offset 0 Hz
8 9 10 11 1				781.			STATU	5	, ·	

3GHz~10GHz_Band13_5MHz_QPSK_1_0_LowCH23205-779.5



30MHz~3GHz_Band13_5MHz_QPSK_1_0_MidCH23230-782

Mile Mile <th< th=""><th>Tune</th></th<>	Tune
Ref Offset 138 dB Mkr3 2.346 0 GHz	Tune
Log 1 Content of Conte	r Freq 00 GHz
	t Freq 00 MHz
40.0	p Freq 00 GHz
Start 30 MHz Stop 3.000 GHz #Res BW 1.0 MHz #VBW 1.0 MHz Sweep 2.000 ms (100 1Fz) 227 0002 W02 (m2 251 x v	F Step 00 MHz Man
1 N 1 f 7814 MHz 26.77 dBm	Offset 0 Hz
NSG STATUS	

3GHz~10GHz Band13 5MHz QPSK 1 0 MidCH23230-782

	ctrum Analyzer - Swept SA						
enter F	RF 50 Ω DC req 6.500000000		SENSE:1N	Avg Type	e: Log-Pwr	05:59:38 PMJun 17, 20 TRACE 1 2 3 4	5.6 Frequency
0 dB/div	Ref Offset 13.8 dB Ref 30.00 dBm	PNO: Fast H IFGain:Low	Trig: Free Run #Atten: 30 dB		N	Akr1 4.855 GH -33.28 dBr	Iz Auto Tu
0.0							Center Fr 6.500000000 G
0.0		↓ ¹				-19:00 d	3.000000000 G
0.0 .0	Canal California Calif			and a specific or has a specific or has	and the second	py attenden og segen en e	Stop Fr 10.000000000 G
						Stop 10.000 GH	Z CF St
Res BW	1.0 MHz	#VB	W 1.0 MHz		<u> </u>	1.67 ms (1001 pt	(s) 700.000000 M
Res BW	1.0 MHz	#VB\	W 1.0 MHz -33.28 dBm	FUNCTION FUI	<u> </u>	1.67 ms (1001 pt	s) 700.000000 M Auto M Freq Offs
tart 3.00 Res BW	1.0 MHz		¥		<u> </u>	1.67 ms (1001 pt	s) 700.000000 M

30MHz~3GHz_Band13_5MHz_QPSK_1_0_HighCH23255-784.5

🛤 Agilent Sper	ctrum Analys	zer - Swept SA										
Center F	req 1.5	50 9 DC) GHz		1	SEIINT	Avg	LIGN AUTO	TRAC	MJun 17, 201	6	Frequency
10 dB/div		fset 13.8 dB 0.00 dBm	PNO: F IFGain:I	ast	#Atten: 30			 Mk	r3 2.35	PNNNN	Z	Auto Tune
20.0 10.0			(1									Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0	_			_		2		6		-13:00 (D		Start Freq 30.000000 MHz
-40.0	*****	and the second de la constant de la c			48- 1-20 -1-1-1	Hat wat	Lan. cina	 den skol den den den	strenderte	99-79 ⁴ - 19-19-99-99-99-99-		Stop Freq 3.000000000 GHz
Start 30 M #Res BW	1.0 MH	iz ×		#VBW	1.0 MHz	FUN	CTION	weep 2	.000 ms (.000 GH: 1001 pts	эН	CF Step 297.000000 MHz Auto Man
1 N 1 2 N 1 3 N 1 4 5 6 7 7 8 9		12	784.4 MH .569 0 GH .353 5 GH	1z	26.35 dB -38.83 dB -37.60 dB	m						Freq Offset 0 Hz
7 8 9 10 11												
MSG								STATUS				

3GHz~10GHz_Band13_5MHz_QPSK_1_0_HighCH23255-784.5

		nalyzer - Swep									
Center F	req (50 S	0000 GH	z		NSE:INT		ALIGN AUTO E: Log-Pwr	TRA	PMJun 17, 2019	Frequency
10 dB/div		Offset 13 7 30.00 c	B dB	Ю:Fast ⊷ iain:Low	#Atten: 3	0 dB			Mkr1 4.0	36 GHz 40 dBm	Auto Tune
20.0 10.0											Center Freq 6.500000000 GHz
-10.0 -20.0 -30.0		♦ ¹								-10.00 ilDin	Start Freq 3.000000000 GHz
-40.0 2008005 -50.0 -60.0		in an		Augur Mary	ar to any in the sector	in Up of the intere	and the second	and and a second	-	i gi tri con tert	Stop Freq 10.000000000 GHz
Start 3.00 #Res BW	1.0 [MHz	×	#VB	W 1.0 MHz		ICTION FUI	<u> </u>	11.67 ms (CF Step 700.000000 MHz Auto Man
1 N 1 2 3 4 5 6 7 8 9 10 10				6 GHz	-33.40 df						Freq Offset 0 Hz
MSG								STAT	15		

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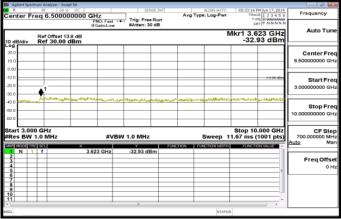


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30MHz~3GHz_Band13_10MHz_QPSK_1_0_MidCH23230-782

	ectrum Analyzer									
Start Fr		50 Q DC	z	ant 🕞	SENS	SE:INT	ALIGN AUTO Log-Pwr >1/1	TRAC	MJun 17, 2019	Frequency
10 dB/div		et 13.8 dB .00 dBm	IFGain:	.ow	#Atten: 30	dB		r3 2.34	6 0 GHz 39 dBm	Auto Tune
20.0 10.0			1 							Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0						_2			-10.00 dDm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0		-eg-u-rag-ag-th			uyoʻn kobinika	alater Actor	 			Stop Free 3.000000000 GHz
Start 30 #Res BV	V 1.0 MHz	: 		≠VBW 1	.0 MHz	FUN	<u> </u>	.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 N 3 N 4 5 6 7 8 9		12	778.4 MH 564 0 GH 346 0 GH	Z -	26.619 dB 39.912 dB 36.939 dB	m			E	Freq Offset 0 Hz
8 9 10 11					18		STATUS		•	

3GHz~10GHz_Band13_10MHz_QPSK_1_0_MidCH23230-782



Inband-1_Band13_5MHz_QPSK_1_0_LowCH23205-779.5

Agilent Spectrum Analyzer - Swept SA			
Center Freq 769.00000	0 MHz	ALIGN AUTO 05:41:10 PMJun 17, 2019 Avg Type: Log-Pwr TRACE 1 2 3 4 5 6 Type M WWWW	Frequency
Ref Offset 13.8 d 10 dB/div Ref 30.00 dBr	IFGain:Low #Atten: 30 dB	Mkr1 764.476 MHz -60.77 dBm	
20.0 10.0 0.00			Center Freq 769.000000 MHz
-10.0		-35 00 alier	Start Freq 763.000000 MHz
-40.0 -50.0 -60.0	ومناقبهم المعالمية والمحمد المعالمية والمحمد المحمد المحمد المحمد المحمد المحمد المحمد المحمد المحمد المحمد الم	Martine Margaret Martin States and Martiness and States and	Stop Freq 775.000000 MHz
Start 763.000 MHz #Res BW 6.8 kHz	#VBW 6.8 kHz	Stop 775.000 MHz Sweep 17.27 ms (1001 pts)	CF Step 1.200000 MHz Auto Man
1 N 1 f 2 3 4	764.476 MHz -50.77 dBm		Freq Offset 0 Hz
5 6 7 8 9 10 11			

Inband-2 Band13 5MHz QPSK 1 0 LowCH23205-779.5

									trum Analys	ilent Spe	
Frequency	MJun 17, 2019	TRAC	ALIGN AUTO	Avg	NSE:INT	1	Hz	50 Q DC	reg 79	ter F	R Cen
Auto Tu	16 MHz 36 dBm	1 795.0	Mki			Trig: Fre #Atten: 3	PNO: Wide ++	nt 13.8 dB			
	JU UDIII	-01.						00 dBm	Ref 3	B/div	og
Center Fr				-			-				0.0
799.000000 N				-			-				0.0
											:00 0.0
Start Fr											D. D
793.000000 N											0.0
	-35.00 iBn										0.0
Stop Fr											0.0
805.000000 M								♦ '			0.0
				reparte	44.747	elo-payerby	richalylongic		Rogofficher	allery	
CF St 1.200000 N		Stop 805. 7.27 ms (Sweep 1			/ 6.8 kHz	#VBV		.000 MH 6.8 kH;		
Auto N	. /		INCTION WOTH	NOTION		Y		x	C SCL	MODELT	94
					Bm	-61.36 dl	016 MHz	795	1	N	1
Freq Off									+	-	2 3 4
0										-	5
	_										6 7
	_								++-	-	89
											0
	•				- 1	111				-	t
		5	STATUS								9

Inband-1_Band13_5MHz_QPSK_1_0_MidCH23230-782

🛤 Agilent Spe	ctrum Ar	nalyzer - Swep	e SA								- 4 -
Center F	req	50 S	000 MHz	:		SE:INT	Avg Ty	ALIGN AUTO pe: Log-Pwr	TRAC	MJun 17, 2019 E 1 2 3 4 5 6	Frequency
10 dB/div	Ref	Offset 13 f 30.00 c	IFC 8 dB	O:Wide ⊷ Sain:Low	#Atten: 30			Mk	r1 770.5	T S NNNN	Auto Tune
20.0 10.0											Center Freq 769.000000 MHz
-10.0										.35.00 dBn	Start Freq 763.000000 MHz
-40.0						at a Mad	♦ ¹				Stop Freq 775.000000 MHz
Start 763 #Res BW	.000 6.8 I	MHz (Hz	×	#VB	W 6.8 kHz	FUN			Stop 775 17.27 ms (.000 MHz	CF Step 1.200000 MHz Auto Man
1 N 2 3 4 5 6	1 1		770.536	5 MHz	-62.29 dB	im				_	Freq Offset 0 Hz
4 5 6 7 8 9 10 11					781						
MSG								STATU	15		

Inband-2_Band13_5MHz_QPSK_1_0_MidCH23230-782

	ent Spectr	um Ar	nalyzer - Swej										0 6
Cente	er Fr	eq 7	50 £ 799.000	0000 MH			sense ant			ALIGN AUTO CLOG-PWR	TRA	PMJun 17, 2019 CE 1 2 3 4 5 6 PE M WWWWW	Frequency
10 dB/	/div		Offset 13 30.00	iF 8.8 dB	NO: Wide Gain:Low					М	kr1 802.4	68 MHz 68 dBm	Auto Tune
20.0 - 10.0 -													Center Freq 799.000000 MHz
-10.0 -20.0 -30.0												-36.00 dBm	Start Freq 793.000000 MHz
-40.0 -50.0 -60.0				umper Mad	hitriangeth	nipi new triji	n and the last	dura	knychtadła	Ser de aray			Stop Freq 805.000000 MHz
	BW (5.8 k	Hz	×		BW 6.8 kH	_	FUNCTION		Sweep	17.27 ms	.000 MHz (1001 pts)	CF Step 1.200000 MHz <u>Auto</u> Man
1 2 3 4 5 6 7 8 9 10 11	N 1	1		802.46	is MHz	-61.68	dBm						Freq Offset 0 Hz
MSG										STAT	us	•	

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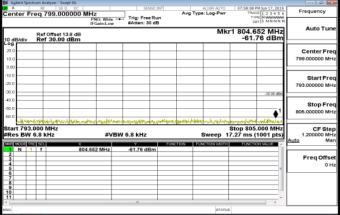


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Inband-1_Band13_5MHz_QPSK_1_0_HighCH23255-784.5

	ectrum Analyzer - Swe						
Center F	Freq 769.000		SENSE:IN	Avg Type	ALIGN AUTO	07:57:49 PM Jun 17, 2019 TRACE 1 2 3 4 5 0 TYPE M WWWWW	Frequency
10 dB/div	Ref Offset 13 Ref 30.00	IFGain:Low	#Atten: 30 dB		Mkr1	764.296 MHz -62.06 dBm	Auto Tune
20.0 10.0							Center Freq 769.000000 MHz
-10.0 -20.0 -30.0						-35.00 dBn	Start Free 763.000000 MH
-40.0 -50.0 -60.0	1	المراجع والمراجع والمراجع	والالانتقار المراجع المراجع المراجع المراجع	مادار ومسئل استرم	And and the set of the	and the second	Stop Free 775.000000 MHz
Start 763 #Res BW	3.000 MHz / 6.8 kHz		W 6.8 kHz		St Sweep 17.	op 775.000 MHz 27 ms (1001 pts)	CF Step 1.200000 MHz Auto Man
2 3 4 5	1 1	764.296 MHz	-62.06 dBm				Freq Offset 0 Hz
6 7 8 9 10 11			70				
MSG					STATUS		





Inband-1_Band13_10MHz_QPSK_1_0_MidCH23230-782

M Agilent Spectrum Analyzer - Swept SA			
Center Freq 769.000000 M	MHz PMOLWide area Trig: Free Run	ALIGN AUTO 05:32:34 PMJun 17, 2019 Avg Type: Log-Pwr TRACE 1 2 3 4 5 6	Frequency
Ref Offset 13.8 dB 10 dB/div Ref 30.00 dBm	PNO: Wide Trig: Free Run IFGein:Low #Atten: 30 dB	Mkr1 774.712 MHz -61.55 dBm	Auto Tune
20.0 10.0			Center Freq 769.000000 MHz
-10.0			Start Freq 763.000000 MHz
-40.0 -50.0 -60.0	المحمد بالمحتوز المحار الجمع مناطقين محمدتها التحم مراك	and the second se	Stop Freq 775.000000 MHz
Start 763.000 MHz #Res BW 6.8 kHz		Stop 775.000 MHz Sweep 17.27 ms (1001 pts)	CF Step 1.200000 MHz Auto Man
N 1 f 77. 2 3 3 3 3 4 5 5 5 5 6 7 3 3 3 3 9 9 10 11 11 11 11	4.712 MHz -61.65 dBm		Freq Offset 0 Hz
MSG		STATUS	

Inband-2 Band13 10MHz QPSK 1 0 MidCH23230-782

Agilent Sper	ctrum Analyzer - Sv									
Center F	reg 799.00	00000 MHz			E:INT	Avg T	ALIGN AUTO ype: Log-Pwr	TRAC	MJun 17, 2019 E 1 2 3 4 5 6 E M WWWWW	Frequency
10 dB/div	Ref Offset 1 Ref 30.00	13.8 dB	O:Wide ↔ ain:Low	#Atten: 30			Mk	r1 795.4		Auto Tun
20.0 10.0										Center Fre 799.000000 MH
10.0 20.0 30.0									-36.00 aBm	Start Fre 793.000000 Mi
40.0 60.0 60.0	i. A. Maradan di Ak	1	and rates		alat.AUsi	and and a set	des Balla de Lorrad	are al diaste	and some all	Stop Fre 805.000000 M
tart 793 Res BW	.000 MHz 6.8 kHz	×	#VBV	V 6.8 kHz	FUN			Stop 805 7.27 ms (.000 MHz 1001 pts)	CF Sto 1.200000 M Auto M
1 N 1 2 3 4 5 6	1	795.436	MHz	-59.33 dBr	n				≡.	Freq Offs 0
7 8 9 10 11									≡.	
(<u>)</u>				181					•	
59							STATU	5		

30MHz~3GHz_Band14_5MHz_QPSK_1_0_LowCH23305-790.5

	trum Analyz	er - Swept SA											- 4
Center Fi	[⊮] req 1.5	50 9 DC) GH	z		VSE:JNT	Avg		LIGN AUTO	TRA	PMJun 17, 201	6	Frequency
10 dB/div		fset 13.8 dB 0.00 dBm		O:Fast ⊶ ain:Low	#Atten: 3				Mk	r3 2.37	et P NNNN		Auto Tune
20.0 10.0			¥1										Center Freq 1.515000000 GHz
-10.0						^2				3	-10:00 404		Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	*****			mer hav har		, <u>)</u>		-der	and the second	astawn			Stop Freq 3.000000000 GHz
Start 30 M #Res BW	1.0 MH	z		#VB	V 1.0 MHz		INCTION		weep 2	.000 ms (Ш	CF Step 297.000000 MHz Auto Man
1 N 1 2 N 1 3 N 1 4 5 6	1	1	790.3 .581 0 .371 6	GHz	26.75 d -40.73 d -38.27 d	3m					_		Freq Offset 0 Hz
4 5 7 8 9 10 11					-11								
MSG									STATUS			-	

3GHz~10GHz_Band14_5MHz_QPSK_1_0_LowCH23305-790.5

🌉 Agilent Spe	ctrum A	nalyzer - Swep	e SA								
Center F	req	50 Ω	0000 GH	z		NSE:INT	Avg Typ	ALIGN AUTO De: Log-Pwr	TRAC	MJun 17, 2019	Frequency
10 dB/div		Offset 13	B dB	¥O:Fast ⊶ Sain:Low	#Atten: 3	0 dB		1	Mkr1 4.6	PNNNNN	Auto Tune
20.0 10.0											Center Freq 6.50000000 GHz
-10.0	_		↓1							-10:00 (Dr	Start Freq 3.00000000 GHz
-40.0 5000 -50.0 -60.0	per la construction de la construcción de la constr	n.[n an	ren n	Handminiad	anne den en sist	- Alexandra Alexandra	an and standing the second	the million of the second	- manalana a la manalana	Stop Freq 10.000000000 GHz
Start 3.00 #Res BW	1.0	MHz	×		V 1.0 MHz	FUN	CTION FI	Sweep 1	1.67 ms (.000 GHz 1001 pts)	CF Step 700.000000 MHz <u>Auto</u> Man
1 N 2 3 4 5 6	1 1		4.69	4 GHz	-32.79 di	Bm				_	Freq Offset 0 Hz
5 6 7 9 10 11					18						
MSG								STATU	s		

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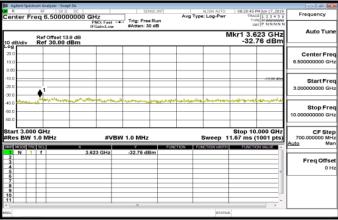
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30MHz~3GHz_Band14_5MHz_QPSK_1_0_MidCH23330-793

	ctrum Analyzer - Swe									
Center F	req 1.51500	00000 GH	2	Trig: Free F			ALIGN AUTO	TRAC	MJun 17, 2019 = 1 2 3 4 5 6 = M	Frequency
10 dB/div	Ref Offset 13 Ref 30.00	IFG	D: Fast ++ iin:Low	#Atten: 30	iB		М	r3 2.379	0 GHz 55 dBm	Auto Tune
20.0 10.0 0.00		×1								Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0					/\ ²			3	-10.00 dDm	Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	yelaan ya jirintiistiinii	ann an the second second	anner diri	48-440-440-440-4	Verene	n Ita, ng ind-citat (Nata)		2,00,00,00,000,000,000,000,000,000,000,	Manugalan di	Stop Freq 3.000000000 GHz
Start 30 #Res BW	1.0 MHz		#VBW	1.0 MHz	FIRE	TION FUE		.000 ms (.000 GHz 1001 pts)	CF Step 297.000000 MHz Auto Man
1 N 2 N 3 N 4 5 6 7 8 9 9		793.3 1.586 0 2.379 0	GHz	26.38 dBr -39.38 dBn -38.55 dBn	n					Freq Offset 0 Hz
11 •			-	18	-	I	STATU	5	, *	

3GHz~10GHz_Band14_5MHz_QPSK_1_0_MidCH23330-793



30MHz~3GHz_Band14_5MHz_QPSK_1_0_HighCH23355-795.5

M Agilent Spec	trum Analyzer - Swep	e SA							
Center Fr	req 1.51500	0000 GH	z		SE:INT	ALIGN AUTO	TRACI	MJun 17, 2019	Frequency
10 dB/div	Ref Offset 13 Ref 30.00 c	IFG .8 dB	Ю: Fast ↔ ain:Low	#Atten: 30		 Мк	r3 2.386	5 GHz 2 dBm	Auto Tune
20.0 10.0		¥1							Center Freq 1.515000000 GHz
-10.0 -20.0 -30.0					2 ²		3	-10.00 (Din	Start Freq 30.000000 MHz
-40.0 440.00			i n la de con		,Q.,,	al and the second s	and a start of the second	**************************************	Stop Freq 3.000000000 GHz
Start 30 N #Res BW	1.0 MHz	×	#VBV	V 1.0 MHz	FU	Sweep 2	Stop 3. .000 ms (1	,	CF Step 297.000000 MHz Auto Man
1 N 1 2 N 1 3 N 1 5 6 7 7 8 9 10		796.: 1.591 (2.386 (26.79 dE -39.84 dB -38.22 dB	m				Freq Offset 0 Hz
MSG	• •				-	 STATUS	5	- · ·	

3GHz~10GHz_Band14_5MHz_QPSK_1_0_HighCH23355-795.5

🌉 Agilent Spe	ctrum Analyzer - Swe						- # *
Center F	req 6.5000	00000 GHz	SENS	Avg	ALIGN AUTO Type: Log-Pwr	08:40:15 PM Jun 17, 2019 TRACE 1 2 3 4 5 6	Frequency
10 dB/div	Ref Offset 1 Ref 30.00				n	Mkr1 3.644 GHz -31.83 dBm	Auto Tune
20.0 10.0							Center Freq 6.500000000 GHz
-10.0						-19:00 (E)A	Start Freq 3.000000000 GHz
-40.0 40.0 -50.0 -60.0	and a state of the	and the second	monte and	le general de constantes	ali papringi tantan	anga tan ang kanang kang kang kang kang kang k	Stop Freq 10.000000000 GHz
Start 3.00 #Res BW	1.0 MHz	#V	/BW 1.0 MHz	FUNCTION	Sweep 1	Stop 10.000 GHz 1.67 ms (1001 pts)	CF Step 700.000000 MHz Auto Man
1 N 2 3 4 5 6 7		3,644 GHz	-31.83 dBr				Freq Offset 0 Hz
8 9 10 11 *			m		STATU	×	

30MHz~3GHz_Band14_10MHz_QPSK_1_0_MidCH23330-793

	trum Analyz	er - Swept SA										1 1
Center Fi	req 1.5	50 9 DC) GH	z		NSE:INT	Avg	16N AUTO Log-Pwr	TRA	PMJun 17, 201	6	Frequency
10 dB/div		set 13.8 dB 0.00 dBm		O:Fast ⊷ ain:Low	#Atten: 3			 Mk	r3 2.37	et P NNNN		Auto Tune
20.0 10.0			¥1								1	Center Freq 515000000 GHz
-10.0						2			3	-40.00 HD		Start Freq 30.000000 MHz
-40.0 -50.0 -60.0	- toughter		المن					 	en e	******	3	Stop Freq
Start 30 M #Res BW	1.0 MH	z		#VB	W 1.0 MHz		CTORN	weep 2	.000 ms (.000 GH 1001 pts		CF Step 297.000000 MHz 2 Man
1 N 1 2 N 1 3 N 1 4	1	1	790.3 586 (379 (3 MHz 9 GHz 9 GHz	26.71 d -41.25 d -37.76 d	3m				_		Freq Offset 0 Hz
4 5 7 9 10 11										=		
MSG								STATUS		•		

3GHz~10GHz_Band14_10MHz_QPSK_1_0_MidCH23330-793

📕 Agilent Spectr	um Analyzer - Swe									- 4 -
Center Fre	eq 6.5000	00000 GH	z		NSE:INT	Avg Typ	ALIGN AUTO e: Log-Pwr	TRAC	MJun 17, 2019	Frequency
10 dB/div	Ref Offset 13 Ref 30.00	1FC 3.8 dB	¥O:Fast ↔ Sain:Low	#Atten: 3				Mkr1 4.0	22 GHz 09 dBm	Auto Tune
20.0 10.0										Center Freq 6.50000000 GHz
-10.0 -20.0 -30.0	1								-10:00 (De	Start Freq 3.000000000 GHz
-40.0 2000 504 -50.0	Palan Angeria	have and the second	al Name and Anna and	tree march	and the second second	hoop has not	an a	ara, 19-49-489-189-1991	an a	Stop Freq 10.000000000 GHz
Start 3.000 #Res BW	1.0 MHz	×	#VBV	1.0 MHz			Sweep 1	1.67 ms (.000 GHz 1001 pts)	CF Step 700.000000 MHz <u>Auto</u> Man
1 N 1 2 3 4 5 6 7 7 8 9 10	1	4.02	2 GHz	-33.09 di	Bm					Freq Offset 0 Hz
8 9 10 11										

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