

8. OUT OF BAND EMISSION AT ANTENNA TERMINALS

8.1. Standard Applicable

FCC §22.917(a), §24.238(a), §27.53(h),Out of band emissions.The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

FCC §27.53(c)

(c) For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB (-13dBm)

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

§27.53 (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC §27.53(c) (5) & FCC §27.53(g)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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FCC §27.53(h) (3)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC §27.53(m) (4) (6)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement procedure. Compliance with these rules is based on the use of measurement nstrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

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§90.691 Emission mask requirements for EA-based systems.

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

§90.543 Emission limitations

(e) For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

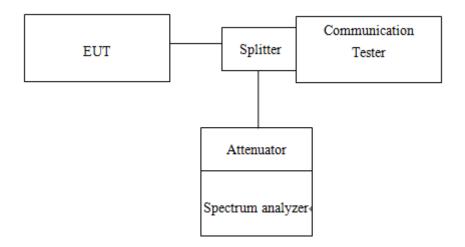
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8.2. Test SET-UP



8.3. Measurement Procedure

Conducted Emission

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

- 1. To connect Antenna Port of EUT to Spectrum.
- 2. Set RBW = 1MHz & VBW = 1MHz on Spectrum.
- 3. Allow trace to fully stabilize
- 4. Repeat above procedures until all default test channel measured were complete.

Band Edge

- 1. To connect Antenna Port of EUT to Spectrum.
- The band edge of low and high channels for the highest RF powers was measured. Setting 2. RBW \geq 1% EBW.
- 3. Allow trace to fully stabilize
- 4. Repeat above procedures until all default test channel measured were complete.

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8.4. Measurement Equipment Used

Conduc	cted Emission (m	neasured at a	antenna port)	Test Site	
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	N9010A	MY5144011 3	2018/06/20	2019/06/19
Radio Communica- tion Analyer	Anritsu	MT8820C	6201107337	2018/06/15	2019/06/14
DC Power Supply	Agilent	E3640A	MY5314000 6	2018/05/30	2019/05/29
Attenuator	Marvelous	MVE2213-1 0	RF30	2017/12/26	2018/12/25
Splitter	Woken	DOM35LW 1A2	RF36	2017/12/26	2018/12/25
DC Block	PASTERNACK	PE8210	RF29	2017/12/26	2018/12/25

8.5. Measurement Result:

Refer to next pages.

NOTE: The occurrence of the spike on the conducted emission is the signal of the fundamental emission.

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	-		-		-			-			-	30.0
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40.0 60.0				Stop Fre 1.910500000 GH
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1.709000000 GH					2	•	_			-		30.0
Stop Free			-	-	-				_			40.0
1.711000000 GH		-	-	-	-	-		-		-		60,0
					-		-				1.00	-66.0
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Center Freq 824.000000	PNO: Wide	Trig: Free Run	Aug Type: Log-Pwr	TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6 TIME A WAYNAW	Frequency
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-og 30,0 19.0					Center Free 824.000000 MH
0.00		-		manifes	Start Free 823.500000 MH
40.0 40.0 40.0					Stop Free 824.500000 MH
Start 823.5000 MHz #Res BW 47 kHz	#VBW	150 KHz	Sweep 1.	top 824.5000 MHz 000 ms (1001 pts)	CF Ster 100.000 kH Auto Ma
	24.000 MHz	-22.07 dBm			Freq Offse 0 H
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WCDMA_B5_HighCH4233-846.6

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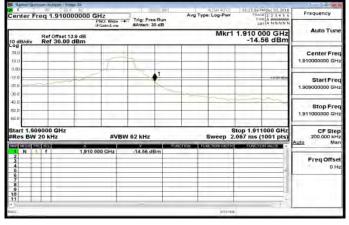
Band2_1_4MHz_QPSK_1_0_LowCH18607-1850.7

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Center Freq 1.85	PNO: Wide	Trig: Free Run	Aug Type: Log-Pwr	D1.96:94 PM Dec 03. 2018 TRACE 1 2 3 4 3 6 Trace A WWWWWW DET A NNNNN	Frequency
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40 0 60 0 60 0					Stop Fre 1.851000000 GH
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1 N 1 f 2 4 5 6 7 8 9	1,850 000 GHz	-20.15 dBm			Freq Offse 0 H
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Band2_1_4MHz_QPSK_6_0_LowCH18607-1850.7

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Band2_3MHz_QPSK_1_0_LowCH18615-1851.5

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10.0	17	1	-100006	1.850000000 GH
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dB/div Ref 30.00 dBm		Mkr1	1.910 000 GHz -13.125 dBm	Auto Tune
10				Center Free
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s)		57A TH		

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Band2_3MHz_QPSK_15_0_LowCH18615-1851.5

Agener (general Anny et) Tomas Sa		ALIMANTO	12 55:06 PH Dec 03 2018	0 4 23
Center Freq 1.850000000 GHz	Stribe IVI	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
IFGail Ref Offset 13.9 dB 10 dB/div Ref 30.00 dBm	Low #Atten: 30 dB	Mkr1	1.850 000 GHz -22.35 dBm	Auto Tune
20.0				Center Fre 1.85000000 GH
0.00 10:0 20:0				Start Fre 1.849000000 GH
40.0 40.0 50.0				Stop Fre 1.851000000 GH
Start 1.849000 GHz Res BW 39 kHz	#VBW 120 kHz	Sweep 1	Stop 1.851000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 T 1,850 000 G				Freq Offse 0 H
4 5 7 7 8 9 10				
ers)		57ATU	· · ·	

Band2_5MHz_QPSK_1_24_HighCH19175-1907.5

	FO	Z IO: Wide	Trig: Preel #Atten: 30		Avg Ty	pe:Log-Pwr	TRA	A NNNNN	
Ref Offset 1 Ref 30.00	3.9 dB dBm					Mkr	1.910 0 -17.	00 GHz 69 dBm	Auto Tune
_	1	-			-	-			Center Fre 1.91000000 GH
and the second	1		-	1					Start Fre 1.909000000 GH
					~~~				Stop Fre 1.911000000 GH
1 kHz		#VBW	150 kHz	11.6		Sweep 1	1.000 ms (	1001 pts)	CF Ste 200.000 kF Auto Ma
	1,910 000	GHZ	-17.69 dB						Freq Offse
	000 GHz 1 kHz	Ref 30.00 dBm	Ref 30.00 dBm	Ref 30.00 dBm 000 GHz 1 KHz #VBW 150 KHz	Ref 30.00 dBm	Ref 30.00 dBm	Ref 30.00 dBm	Ref 30.00 dBm -17.	Ref 30.00 dBm         -17.69 dBm           1         -17.69 dBm           000 GHz         1           \$VBW 150 kHz         Stop 1.911000 GHz           1 kHz         Stop 1.911000 GHz           1 kHz         Stop 1.911000 GHz

# Band2_3MHz_QPSK_15_0_HighCH19185-1908.5

Cigment (gen	An any state of the second	Sa Contraction of the second s	1 años mil	A DOM NOT	BLG3/03 PH Dec DS. 2018	10 4 23	
Center Fi	reg 1.910000	PNO: Wide -		Avg Type: Log-Pwr	TRACE 1 2 3 4 9 6	Frequency	
10 dB/div	Ref Offset 13.9 Ref 30.00 di	iFGain:Low	#Atten: 30 dB	Mkr1	1.910 000 GHz -18.40 dBm	Auto Tune	
20.0 10.0		_				Center Free 1.910000000 GH	
0.00 -10 0 -20 0			41			Start Free 1.909000000 GH	
-40 0 -60,0 -60.0						Stop Free 1.911000000 GH	
#Res BW		#VB	W 120 kHz	Sweep 1	Stop 1.911000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma	
1 N 1 2 1 4 5 6 6 7 7 8 9 9 9 10		3 1,910.000 GHz	-18.40 dBm	UNICTER I	PLANE KIN VALME -	Freq Offse 0 H	
9 10 11 ,			-	TATE.			

### Band2_5MHz_QPSK_1_0_LowCH18625-1852.5

Against Spectra	- An man 11	4 54			ALDHONDED	12:45:41 PM Dec 03:2011	10.4.63
Center Fre	eq 1.85000	PNO: Wide	Sec. Sec. Sec.	Avg Ty	pe: Log-Pwr	TRACE 1 2 3 4 5 1	Frequency
10 dB/div	1.850 000 GHz -19.68 dBm	Auto Tune					
30,0 10.0				7	1		Center Fred 1.85000000 GHz
0.00 -10.0 -20.0			•1=<	-			Start Free 1.849000000 GHz
40.0							Stop Free 1.851000000 GH:
Start 1.849 #Res BW 5	51 kHz	#VBI	N 150 kHz		Sweep 1	top 1.851000 GHz .000 ms (1001 pts)	
1 N 1 2 3 4 5	ſ	1,850 000 GHz	-19.68 dBm	PUNCTION	UNCTION WOTH	PLANCT ISK VALUE	Freq Offse 0 Hi
5 6 7 8 9 10 11							
* 195					STATUS		

# Band2_5MHz_QPSK_25_0_LowCH18625-1852.5

10.4				_	-		_	154	Press i Trees	() - A)	Apres 18	<b>1</b> 0
Frequency	000 Dec 03.2018	TRA	ype: Log-Pwr	Avg	Rise IIII	1	SHz	00000	.8500	req 1	nter	Cer
Auto Tune	A NNNN N			-	30 dB	#Atten: 3	PNO: Wide	-	_		_	_
Auto Tuli	000 GHz .45 dBm	1.850	Mkr1	~					Offset 13 30.00		B/div	10 d
Center Free			-	_	-		-	-	_	-		30,0
1.85000000 GH					1		1	-				19.00
Start Free				1								-10.00
1.849000000 GH	-	-	-	4	-		_		-	-		20.0
								-				-10.0
Stop Free 1,85100000 GH			-	_			-	-	_	-		0.03
1.001000100 015			-	-	-	-	-	-	-	-	-	-60.0
CF Step 200.000 kH	(1000 GHz (1001 pts)	Stop 1.85 1.000 ms	Sweep 1			150 kHz	#VBV			49000 51 k		
Auto Mar	ION VALUE	PANG	FUNCTION MOTH	PUNCTION		-23.45 d	000 GHz	X	_		NAMES	1992
Freq Offse		-			Setti -	-20.40 0	UUU CITA	1,000	_			2
0 H	-				-		-		_	-		4 5
					-				-			5 6 7 8 9 10
				_								9 10
		-	-		-	-	-			1	-	11
		8	STATUS								-	45/5

### Band2_5MHz_QPSK_25_0_HighCH19175-1907.5

10 4 6		-			_	19	myant ( Tem	a)	Tames in	- Q.	
Frequency	12:50:28 PM Dec 03:2018 TRACE 1 2 3 4 5 6	Type: Log-Pwr		Trig: Free Run	łz	0000 GH	.91000	req 1	nter l	Cer	
	LET A NNNNN		#Atten: 30 dB	NO: Wide Gain:Low	P# IFC						
Auto Tun	1.910 000 GHz -20.27 dBm	Ref Offset 13.9 dB Mkr1 1.910 000 GHz 0 dB/div Ref 30.00 dBm -20.27 dBm -20.27 dBm									
Center Fre			-			-		_		39.0	
1.91000000 GH									1.1	10.00	
Start Fre			_	1	1	_	_		_	-10.0	
1.909000000 GH			-	~					-	20.0	
Oten Fra		_					_	_	-	40.0	
Stop Fre 1.911000000 GH										60,0	
CF Ste	top 1.911000 GHz							09000	rt 1.9	Star	
200.000 kH Auto Ma	000 ms (1001 pts)	Sweep 1.		150 kHz	#VBW	×		51 ki	-	-	
	PERSIEN VALUE		PONEIR	-20.27 dBm	0 GHz	1,910 00		1 1	N		
Freq Offse 0 H										2745	
							-		-	56789	
								+	-	.9 10 11	
		STATUS		-				-		*	
		DALK LED							-	-	

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台灣檢驗科技股份有限公司

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# Band2_10MHz_QPSK_1_0_LowCH18650-1855

10 4 23						134	(Investor	- i)	1000 10	
Frequency	104512400c01,208 TRACE 1 23456 THE A WWWWW 12T A NUMUN	Type: RMS Hold: 100/100		Trig: Free Ru	NO: Wide -+	1C 10	5j0		-	
Auto Tune	.850 000 GHz	Balland	0	#Atten: 30 dB	Gain:Low	iP				_
	-15.893 dBm	MRTT			_		f Offset 13		Bidiv	10 d
Center Free		-	-			_		-		20.0
1.85000000 GH2		1								19.6
Start Free	Min town	rv	-m	- (i'-	1	_	_		-	-100
1.84900000 GHz		-	1	where I	1 may					20.0
		-			ala i	men		-		-30.0
Stop Fred 1.851000000 GHz		_		-		-	Jon 0 4	~		60.0
						-	-			-66.0
CF Step 200.000 kHz	op 1.851000 GHz 00 ms (1001 pts)			300 kHz*	#VBW		6 GHz kHz	¥9000 V 100		
Auto Man	FUNCTION VALUE	FUNCTION WIDTH	FUNCT	15.893 dBm	0.04.	1.850 00			N	199
Freq Offset			-	14.306 dBm		1,849 98	-	1 i	N	2
D Ha					-					4 5
							-	-	-	56789
			_							9 10 11
			-				1		-	1
		STATUS							-	NESS.

# Band2_10MHz_QPSK_50_0_HighCH19150-1905

Center Freq 1.9100000	000 GHz PNO: Wide -+ IFGaintLow	Trig: Free Run #Atten: 30 dB	Aug Type: Log-Pwr	10:49:52 4M Sec 03, 20:38 TRADE 1 2 3 4 5 6 THE A WWWWW DET A NNNNN	Frequency	
Ref Offset 13.9 c	iB m		Mkr1	1.910 000 GHz -22.30 dBm	Auto Tur	
20,0 tu a					Center Free 1.910000000 GH	
0.00 10.0 20.0	12000			1310-10s	Start Fre 1.909000000 GH	
40.0 60.0					Stop Fre 1.911000000 GH	
Start 1.909000 GHz #Res BW 100 kHz	#VBV	/ 300 kHz	8	top 1.911000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma	
	1,910 000 GHz	-22.30 dBm			Freq Offse 0 H	
7 8 9 10			_			

# Band2_10MHz_QPSK_1_49_HighCH19150-1905

R SU-	IC I		ALIBRARITE	1041034000003,2038	10.4.63
	PNO: Wide +	Trig: Free Run	Avg Type: RMS Avg[Hold: 100/100	TRACE 123456	Frequency
10 dB/div Ref 30.00	1.910 000 GHz -13.563 dBm	Auto Tune			
30.0 19.9					Center Fre 1.91000000 GH
0.00 -000 -000 -000	money	man 12	non man	10.0040	Start Fre 1.90900000 GH
40.0 60.0 60.0				mmmmmmm	Stop Fre 1.911000000 GH
Start 1.909000 GHz Res BW 100 kHz	#VB4	N 300 KH2*		Stop 1.911000 GHz 1.000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
N         T           2         N         1           3         -         -           4         -         -           5         -         -	1,910 000 GHz 1,910 034 GHz	-13.563 dBm -13.267 dBm	NETION PUNCTON WITH	HANGTIGN WALKE	Freq Offse
5 6 7 8 9 9 10					
• सहद			STATU		

### Band2_10MHz_QPSK_50_0_LowCH18650-1855

10.4	10:46.03 AMDec 03, 2018	ALIMINATO	- 1	SERVE IVI		1.54	Annyati	or therease	a game		
Frequency	TRACE 1 2 3 4 5 6	ype: Log-Pwr	Avg	Trig: Free Run	PNO: Wide	00000 G	1.850	er Free	ente		
Auto Tune	1.850 000 GHz	Ref Offset 13.9 dB Mkr1 1.850 000 GH: 10 dB/div Ref 30.00 dBm -224.03 dBn									
-	-24.03 dBm		1	1	1	dBm	tef 30.0	div F	og L		
Center Fre 1.85000000 GH									30,0 → 10.0		
		1	_		-	-			0.00		
Start Fre 1.849000000 GH	1000-000	~	-	1			-		0.0		
		-		~			-		0.0		
Stop Fre	100								40.0 50,0		
1.85100000 GH		-	-			-		-	60.D		
CF Ste 200.000 kH	top 1.851000 GHz 000 ms (1001 pts)			300 kHz	#VB		00 GHz	1.8490 BW 10			
Auto Ma	PARATION VALUE	FUNCTION WIDTH	UNCTION .	-24.03 dBm	00 GHz	-					
Freq Offse			-	-544.03 Mg/m	ISO SPIA	1,009.0	-		2 3 4		
OH					-		-	++	5 6		
							-		8		
							-		5 6 7 8 9 10		
	+	STATUS							55		

# Band2_15MHz_QPSK_1_0_LowCH18675-1857.5

Gifmen Meximum Thinking (					10 4 23
R. 5)	Pric: Wide	Trig: Free Run	Avg Type: RMS Avg/Hold: 100/100	11011GB 4M04c01,2038 TRACE 1 2 3 4 5 6	Frequency
	PNO: Wide IFGaint.cw	#Atten: 30 dB	steginola, ree ree	LET A NNNN N	1.5.2
10 dB/div Ref 30.0			Mkr1	1.850 000 GHz -14.617 dBm	Auto Tune
20.0 19.0					Center Free 1.85000000 GH
0.00 100 200	Laborer pays and amon	water water and the state	water again and the and the subscription	WV come	Start Free 1.849000000 GH
40.0 50.0					Stop Free 1.851000000 GH
tart 1.849000 GHz Res BW 200 kHz		BW 620 KH2*		Stop 1.851000 GHz .000 ms (1001 pts)	CF Stej 200.000 kH Auto Ma
N         F           3         -           4         -           5         -           6         -           7         -           9         -           910         -	1,850 000 GHz	-14.617 dBm			Freq Offse 0 H
			STATUE		

### Band2_15MHz_QPSK_1_74_HighCH19125-1902.5

· Gigment Types	Anapat in the second se								-	10 4 23	
R.		NA REL	Wide -•	120.00	Run	Avg Type: F Avg/Hold; 1		TRACE 1	21456	Frequency	
		iF)	GaintLow	#Atten: 30	dB	set Mitrastat. 1		LET A	NNNN	Auto Tune	
10 dB/div	Ref Offset 13.9 dB Mkr1 1.910 000 GH: 0 dBudiv Ref 30.00 dBm -15.508 dBn										
310		-		-	_		_			Center Free	
19.9	1	-						-		1.91000000 GH	
100	1951	When the care	West with		1		_			Start Free	
20.0				ar mallway	Marmy	Marinowan	With May	M. M. Mineran	WARNE.	1.909000000 GH	
40.0	-	-	-						-	Stop Fre	
60.0										1.911000000 GH	
Start 1.90	9000 GHz 200 kHz	1	#VBV	V 620 kHz*		Sv		top 1.91100	01 pts)	CF Step 200.000 kH	
		×		No.		NOTION TO LEASE	1070 1412101	PUNCTION	ane -	Auto Ma	
2 3 4		1,910.00	0 GHZ	-15,508 dB	m	_	-	-	=	Freq Offse	
4 5					-				-	DH	
67			-		-						
5 6 7 8 9 10			_		-						
11	11		_	_	-						
150)							STATUS		-		

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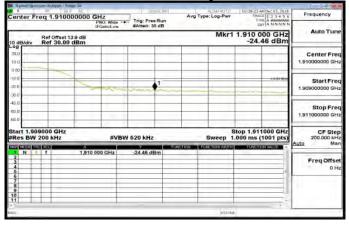
# Band2_15MHz_QPSK_75_0_LowCH18675-1857.5

against film	One Annya (T			1	And A to Arrent	10 4 4
Center F	req 1.850	000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	10134305 AMDec 03, 2028 TRACE 1 2 3 4 5 6 Trace A WWWWW	Frequency
	Ref Offset	IFGain:Low	#Atten: 30 dB	Mkr1	1.850 000 GHz -26.53 dBm	Auto Tun
20,0 10.0	Ref 30.00	0 dBm			-20,03 06/1	Center Fre
0.00 -10 [°] 0		-	1			Start Fre
-20.0			man	and any and a second second		1.849000000 GH
60,0 60,0	-					Stop Fre 1.851000000 GH
Res BW			W 620 kHz		Stop 1.851000 GHz 1.000 ms (1001 pts)	CF Ste 200.000 kit
1 N 2 3 4 5 6		3 1,850 000 GHz	-26.53 dBm	STETEN TERETONIMENT	-	Freq Offse 0 H
7 8 9 10 11						
493)				STATU		1

## Band2 20MHz QPSK 1 99 HighCH19100-1900

10.4	18:26:17 AMDec 83, 2038	ALINAMIC		15:510		_	19	And the state of t	an an an a	1 mar 19	- 01
Frequency	TRACE N T T A D K	RMS	Avg Typ Avg/Hold		av at			50		1	В
Auto Tur	LET A NNNNN		Avginoid	0 dB	#Atten: 3	NO: Fast + Gain:Low	in in				
Auto Tur	1.910 000 GHz -14.948 dBm	Mkr1			-			Offset 1 f 30.00		Budiv	10 d
Center Fre							-				.og 30.0
1.91000000 GH		-			-	-	1	~			19.9
StartFre		-		14		Armon	Winner				100
1.909000000 GH	Marshow	Martine .	a presidential	-lor-p	Married	1.140.		-	-	-	20.0
	. the opposited	1 14	-								30.0 40.0
Stop Fre										1.1.1	50.0
1,911000000 01		-	-	-			-			-	60.0
CF Ste 200.000 ki	stop 1.911000 GHz .000 ms (1001 pts)			,	1,0 MHz	#VB	Č	0 GHz kHz	0900 V 300		
Auto Mi	FLOVETION VALUE	к тон нартн	NETTON: PU	2.00	-14.948 di	o cuis	× 1,910 00			NUIDE	942
Freq Offs				Bm	-13,164 di -13,332 di	2 GHz	1,910 02 1,910 07		li	NNN	2345
			-	-					-		6
			-			-		-			8 9 10
	······································	-		-				1	1		11
		STATUS									ş6

# Band2_15MHz_QPSK_75_0_HighCH19125-1902.5



# Band2_20MHz_QPSK_1_0_LowCH18700-1860

allant flerren alter				The state of the state	10 4 23
A	50 - 9C	Trig: Free Run	Avg Type: RMS Avg/Hold: 100/100	18.19.45 440.0ec.63,2038 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast IFGain:Low	#Atten: 30 dB	Availation . Tom too	LET A NWWN N	A CONTRACT OF A
	ffset 13.9 dB 30.00 dBm	AC	Mkr1	1.850 000 GHz -15.507 dBm	AutoTune
20.0 19.9					Center Free 1.85000000 GH
0.00 100 200	weellow and we have been about the second	wanyouthyn	aller and providence	All and a second s	Start Free 1.849000000 GH
20.0 00 00 00 00 00 00 00 00 00 00 00 00	weeth 11				Stop Free
60.0					1.851000000 GH
Start 1.849000 Res BW 300 k	Hz #VI	BW 1.0 MHz*	Sweep 1	Stop 1.851000 GHz .000 ms (1001 pts)	CF Ster 200.000 kH Auto Mar
T N f 2 N f 3	1,850 000 GHz 1,849 970 GHz	-15,507 dBm -14,545 dBm	PICTRON: PUNCTION WIDTH	PLANCTION VALUE	Freq Offse
5 6 7 8 9 10 11					
10		-		······································	
665			STATU	5	

# Band2_20MHz_QPSK_100_0_LowCH18700-1860

all all and the	One Annyat ( To		10		1000 A 200 A 200 A	10 4 63
Center F	reg 1.8500	00000 GHz	Trig: Free Run	Avg Type: Log-Pwr	10:21.31 4MDec 03, 2018 TRACE 1 2 3 4 5 6	Frequency
		PNO: Fast + IFGain:Low	#Atten: 30 dB		LET A NNNNN	1.5.8
10 dB/div	Ref Offset 1 Ref 30.00		~ ~ ~	Mkr1	1.850 000 GHz -26.16 dBm	Auto Tune
30,0	_					Center Free 1.85000000 GHz
0.00						Start Free
-30.0			+ 1	- mar - and a set		1.849000000 GHz
-40.0	_					Stop Free
	9000 GHz				Stop 1.851000 GHz	CF Step
#Res BW		×		анная нахелоникана	.000 ms (1001 pts)	200.000 kH Auto Mar
1 N 234 5		1,850 000 GHz	-26.16 dBm			Freq Offse 0 Ho
5 6 7 8 9						1
10 11					+	
855				57A19		

### Band2_20MHz_QPSK_100_0_HighCH19100-1900

10.4	10/26/48 4M/Dec 03, 2018	ALIM ALIC		SERVE IN			TR 1	50.4	1	-	R	
Frequency	THE A WWWW	e: Log-Pwr	Avg	: Free Run		Hz PNO: Fast -	0000 G	91000	eq 1.	r Fre	nte	Ce
Auto Tun			_	ten: 30 dB	-	FGain:Low					_	_
tinto ( dat	910 000 GHz -24.14 dBm	Mkr1	-	-			9 dB IBm	mset 13.	Ref C	div	dB/d	10
Center Free			_	_	-	-	-		-	1	-	30
1.91000000 GH				-	-	-	-		+	-		10
	1000								~	~		-10
Start Free 1,909000000 GH			-	• ¹	-	-	-	Dy		_		20
					-	-			-	-		.10
Stop Free												40
1.911000000 GH						-		-	_			-60
CF Ster 200.000 kH	p 1.911000 GHz 10 ms (1001 pts)	Sweep 1.0		MHz		#VB	-		0000 300 k			
Auto Ma	PUNCTION VALUE	NETIONUMBER	- NOTION	14 dBm		00 GHz	8					198
Freq Offse			_	J4 gbm	-	OU GHX	1,910.0	-	1			2
OH			-	-	_							4 5
				-	_			_		+	-	56789
				_	-			_		+		9
	+	-								1	1	11
		STATUS							-			50

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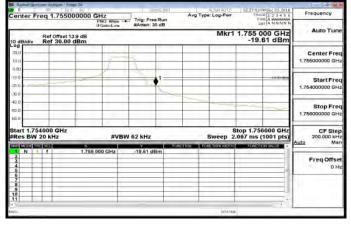
# Band4_1_4MHz_QPSK_1_0_LowCH19957-1710.7

against Statement (Statement ) possible 25			10.4.63
Center Freq 1.71000000	PNO: Wide Trig: Free Run	Autoriauto 02.23131 Avg Type: Log-Pwr Tree	H Dec 05, 2018 1 2 3 4 5 6 Frequency T A NN N N
Ref Offset 13.9 dB	iFGain:Low #Atten: 30 dB	Mkr1 1,710 0	Auto Turo
20.0		~	Center Fre 1.710000000 GH
0.00 -10.0 -20.0	1		Start Free 1.709000000 GH
40.0			Stop Fre- 1.711000000 GH
Start 1.709000 GHz #Res BW 20 kHz	#VBW 62 kHz	Stop 1.71 Sweep 2.067 ms (	1000 GHz 1001 pts) 200.000 kH Auto Ma
N 1 1.7 2 3 4 5 6 7	10 000 GHz -18.43 dBm		Freq Offse 0 H
8 9 10 11		STATUS	

# Band4_1_4MHz_QPSK_6_0_HighCH20393-1754.3

allant Bertine The	yet) ( Tronge Sile				10 4 113
Center Freq 1.	755000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref	iFGain:Low Miset 13.9 dB 30.00 dBm	#Atten: 30 dB	Mkr1	1.755 000 GHz -26.96 dBm	Auto Tune
20.0 10.0		- 34			Center Free 1.755000000 GH
-10.0		1.			Start Fred 1.754000000 GH:
40.0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Stop Free 1.756000000 GH
Start 1.754000 #Res BW 20 kH		SW 62 kHz		top 1.756000 GHz .067 ms (1001 pts)	CF Stej 200.000 kH Auto Ma
1 N 1 f 2 3 4 5 6	1,755.000 GHz	-26.96 dBm			Freq Offse 0 H
7 8 9 10 11					
(HERS)			STATUS	· · ·	

### Band4_1_4MHz_QPSK_1_5_HighCH20393-1754.3



### Band4_1_4MHz_QPSK_6_0_LowCH19957-1710.7

Frequency	12 34 28 PM Dec 03 2018 TRACE 1 2 3 4 5 6	ALIGN NATO Type: Log-Pwr		IL JEITE	CU.	000000	4 740		tor	R
1	LET A NNNN N	Type: Log-t in		Trig: Free Run #Atten: 30 dB	PNO: Wide -+-	000000	1.710	req	ter	en
Auto Tune	710 000 GHz -25.68 dBm	Mkr1				13.9 dB 0 dBm	ef Offset ef 30.0	R	BJdiv	10 di
Center Fred 1.71000000 GHz			-	_		-	_	_		38.0 10.0
Start Fred 1.709000000 GHz	-000169		2							0.00 10.0 20.0
Stop Fred 1.711000000 GH2										40 0 50,0
CF Step 200.000 kH; Auto Mar	p 1.711000 GHz 7 ms (1001 pts)			52 kHz	#VBW		00 GHz kHz			
FreqOffse	PMNGTISIN VALME	FUNCTION WOTH	PONCTION	-25,68 dBm	000 GHz	1,710			N	
0 Hz										2345678910 101
										8 9 10 11
1		STATUS								63

# Band4_3MHz_QPSK_1_0_LowCH19965-1711.5

against (persona)									10 4 63
Center Freq	1.710000000 0	PNO: Wide	Trig: Free	Run		Log-Pwr	D2:11:18 P	M Dec 03.2018	Frequency
	Offset 13.9 dB 30.00 dBm	iFGain:Low	#Atten: 30	dB		Mkr1	1.710 0	00 GHz 75 dBm	Auto Tune
20,0 10.0			_	7	1				Center Fred 1.710000000 GH
0.00 -10.0 -20.0			2	1	3	1	~~	1010-00	Start Fred 1.709000000 GH2
-40.0 60.0 60.0	~~~~~		_						Stop Free 1.711000000 GH
Start 1.709000 #Res BW 39 k	Hz	#VBW	120 kHz	_		Sweep 1	top 1.711 .000 ms (	1001 pts)	CF Step 200.000 kH Auto Mar
N         F           2         3           4         5           5         6           7         8           9         10           11         11		000 GHz	-13.75 dB				PLANEID		Freq Offse 0 Ha
e la						STATUS	1	*	

#### Band4_3MHz_QPSK_1_14_HighCH20385-1753.5

B 8-	req 1.75500	12	Trig: Free Run #Atten: 30 dB	Aug Type: Log-Pwr	02.19:53 PN Dec 03. 2018 TRACE 1 2 3 4 5 6 Tree A WWWWW DET A NNNNN	Frequency
10 dB/div	Ref Offset 13 Ref 30.00	3.9 dB dBm		Mkr1	1.755 000 GHz -15.47 dBm	Auto Tune
20.0 10.0			~			Center Freq 1.755000000 GHz
0.00 -10 0 -20 0	~		1		erin (55	Start Freq 1.754000000 GHz
40.0 60.0 60.0				~~~		Stop Fred 1.756000000 GHz
Start 1.75 #Res BW		#VB	W 120 KHz	Sweep 1	Stop 1,756000 GHz .000 ms (1001 pts)	CF Step 200.000 kHz Auto Man
1 N 2 3 4	1	1,755.000 GHz	-15.47 dBm			Freq Offset 0 Hz
5 6 7 8 9 10 11						
eso.				57A118	4. · ·	

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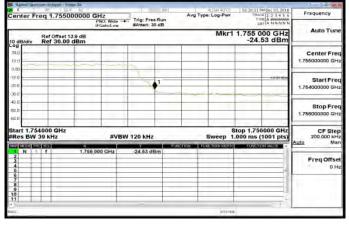
# Band4_3MHz_QPSK_15_0_LowCH19965-1711.5

allant iter	Or any	from Sa	1 sense mi	ALDINIALITE	52.12/04 PH Dec 55. 2018	10.4
Center F		PNO: Wide -	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
10 dB/div	Ref Offsel Ref 30.0		#Atten: 30 dB	Mkr1	1.710 000 GHz -25.44 dBm	Auto Tune
20.0 10.0	_					Center Fre 1.710000000 GH
0.00			1-			Start Fre 1.709000000 GH
-40 0 -60 0						Stop Fre 1.711000000 GH
#Res BW		#VB	W 120 kHz	Sweep 1	Stop 1.711000 GHz 1.000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 2 3 4 5 6		x 1,710 000 GHz	-25,44 dBm	ALCENT FUNCTION WITH	PURCHER VALLE	Freq Offse 0 H
5 6 7 8 9 10 11						
leşa i				STATU		1

# Band4_5MHz_QPSK_1_24_HighCH20375-1752.5

again (provide analysis) have	19 SA				10 4 63
Center Freq 1.75500	PNO: Wide -+	Trig: Free Run	Aug Type: Log-Pwr	02:07/24 PM Dec 03: 2018 TRACE 1 2 3 4 5 6 TITLE A WWWWW DET A NNNN N	Frequency
Ref Offset 13	iFGain:Low	#Atten: 30 dB	Mkr1	1.755 000 GHz -20.96 dBm	Auto Tuni
10 dB/div Ref 30.00 0		_		-20.36 UBM	Center Fre 1.755000000 GH
0.00				100 Qu	Start Fre 1.754000000 GH
-30.0 -40.0 				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Stop Fre 1.756000000 GH
Start 1.754000 GHz #Res BW 51 kHz	#VBW	150 kHz		top 1.756000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
N F 2 3 4 5 6	1,755 000 GHz	-20.96 dBm			Freq Offse 0 H
9 9 10 11					
45)			STATU		

# Band4_3MHz_QPSK_15_0_HighCH20385-1753.5



# Band4_5MHz_QPSK_1_0_LowCH19975-1712.5

Agener (gennes Arryst i he	- 13a	SERVICE III	ALIWOWING	61/51/02 PM Dec 03, 2018	10 4 83
Center Freq 1.7100	PNC: Wide	Exercised and	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
Ref Offset 1 10 dB/div Ref 30.00	Auto Tune				
30.0					Center Free 1.71000000 GH;
0.00		1	· · · · ·		Start Fred 1.709000000 GH:
40,0 60,0 60,0					Stop Free 1.711000000 GH
Start 1,709000 GHz Res BW 51 kHz	#VBW	150 kHz	Sweep 1.	top 1.711000 GHz 000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 1 1 2 J 4 5 6 7	3 1,710 000 GHz	-18.56 dBm	NETION FUNCTION WITH	PLANCERSIX VALME	Freq Offse 0 H
5 6 7 8 9 10 11		_	oTATUS	· · ·	

# Band4_5MHz_QPSK_25_0_LowCH19975-1712.5

10 and			10 4 63						
Avg Type: Log-Pwr		TRACE 1 2 2 4 5 6	Frequency						
#Atten: 30 dB			Auto Tune						
Ref Offiset 139 dB Mkr1 1.710 000 GH; 10 dB/div Ref 30.00 dBm -26.80 dBn -26.80 dBn									
			Center Free						
			1.71000000 GH						
	1.		Start Free						
t'm			1.709000000 GH						
			1						
			Stop Fred 1.711000000 GH						
1									
150 kHz	Sweep 1	.000 ms (1001 pts)	CF Step 200.000 kH						
	CTION HUNCTION MOTO	FUNCTION VALUE	Auto Mar						
540.00 Stern			Freq Offse						
			974						
			P						
	STATU								
	SAtten: 30 dB	Arg Type: Log-Per Arg Type: Log-Per Arg Type: Log-Per Mkr1 Mkr1 V 150 kHz Sweep 1 V 150 kHz Sweep 1	Avg Type: Log-Pwr Trice Bus Avg Type: Log-Pwr Trice Bus Mkr1 1.710 000 GHz -26.80 dBm -26.80 dBm						

### Band4_5MHz_QPSK_25_0_HighCH20375-1752.5

H 8-		TR /	(INLIGENE)	ALIM NUTO	62:07:49 PM Dec 03, 2018	10.4.63
Center Fre	q 1.75500	PNO: Wide -	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TITLE A WWWWW	Frequency
	_	iFGain:Low	#Atten: 30 dB		1,755 000 GHz	Auto Tune
10 dB/div	Hato fun					
20.0	-					Center Free
10.0	-					1.755000000 GH
0.00						
-10'0			1			Start Free 1.754000000 GH
30.0						1.764000000 G
40.0	-					Stop Free
-60.0						1.756000000 GH
1.000						
Start 1.754 #Res BW 5		#VB	N 150 kHz	Sweep 1	top 1,756000 GHz .000 ms (1001 pts)	CF Step 200.000 kH
INCOME DATE	968	×		NUTION   FUNCTION WIDTH	PUNCTION VALUE	Auto Mar
1 N 1 2 3	1	1,755 000 GHz	-27.90 dBm			Freq Offse
4						0 H
6					1	
5 6 7 8 9	-					1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
10					1	
	-		-			
495 I				57ATH3		

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# Report No.: E2/2018/B0069 Page 218 of 510



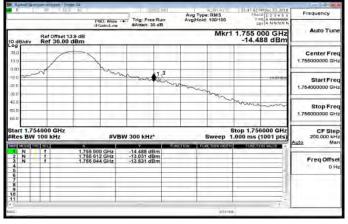
# Band4_10MHz_QPSK_1_0_LowCH20000-1715

against Sharenser	Annyan i Dooma Sa				10 4 23
R I I	PNO: W	Trig: Free Run	Aug Type: RMS Avg Hold: 100/100	TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6 TIME A WINNIN	Frequency
	IFGain:L Offset 13.9 dB f 30.00 dBm	sAtten: 30 dB	Mkr1	1.710 000 GHz -13.902 dBm	Auto Tune
20.0 19.0 0.00					Center Free 1.710000000 GH;
-000	andrewow	www.	- Marian and		Start Fred 1.709000000 GHz
40.0 60.0 60.0	~~~~~				Stop Fred 1.711000000 GH
Start 1,70900 #Res BW 100	kHz #	VBW 300 kHz*		Stop 1.711000 GHz 1.000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N f 2 N f 3 4 5 6 7 8 9		z -13.902 dBm			Freq Offse 0 H
9 10 11			57818		

# Band4_10MHz_QPSK_50_0_HighCH20350-1750

PNO: Wide -	Trig: Free Run #Atten: 30 dB	Aug Type: Log-Pwr	DL 47 JD PH Dec 03, 2018 TRACE 1 2 3 4 5 6 THE A WARNEY LET A NNNN N	Frequency					
Ref Offset 13.9 dB Mkr1 1.755 000 GHz 10 dB/div Ref 30.00 dBm - 22.82 dBm									
				Center Fre 1.765000000 GH					
1	······		1010-05	Start Fre 1.754000000 GH					
				Stop Fre 1.756000000 GF					
#VBV	(* *)* * 7 <b>1</b> 1 1 1	Sweep 1	.000 ms (1001 pts)	CF Ste 200.000 kH Auto Mi					
55 000 GHz	-22.82 dBm			Freq Offs 0 F					
	PNO: Wide -+ IFGainLow #VBA	PKG: Wata	Avg Type: Log-Per PRC: Mula - Trig: Pres Run PRC: Mula -	16 H2         Trig: Free Run #Arus: 39 db         Arg Type: Log-Pwr         Trig: 23 + 5 t Trig: 71 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 +					

# Band4_10MHz_QPSK_1_49_HighCH20350-1750



### Band4_10MHz_QPSK_50_0_LowCH20000-1715

Against The	A REAL PROPERTY AND INCOME.							10.4.83
Center F	req 1.71	0000000 G	Hz NO: Wide -	Trig: Free Run #Atten: 30 dB	Avg	Type: Log-Pwr	TRACE 1 2 3 4 9 TITLE A WARM	6 Frequency
10 dB/div	Auto Tuni							
og 20,0 10.0			-			_		Center Free 1.710000000 GH
0.00 10.0 20.0				1		~		Start Free 1.709000000 GH
20.0 40.0 60.0								Stop Free 1.711000000 GH
Res BW		z	#VB	W 300 kHz		Sweep 1.	top 1.711000 GH 000 ms (1001 pts	
1 N 2 3 4 5	ſ	1,710.00	00 GHz	-25.29 dBm	PUNCTION	A LEMACE AT LEMA UNIT DE ME	FUNCTION VALUE	Freq Offse
5 6 7 8 9 10 11								-
450)						STATUS		

# Band4_15MHz_QPSK_1_0_LowCH20025-1717.5

A SU BC SETSEIN ALIV	
Prec: Wide Trig: Free Run Avg(Hoid: 100	S TRACE 123456 Frequency
iFGain:Luw #Atten: 30 dB	A de True
10 dB/div Ref 30,00 dBm	4010 TURE -15.377 dBm
310	Center Free
19.0	1.71000000 GH
100 100 100 100 100 100 100 100 100 100	example Start Free
200 manual shares a free share	1.709000000 GH
ao	Stop Fre
20.0	1.711000000 GH
tart 1,709000 GHz	Stop 1.711000 GHz CF Ste
Res BW 200 kHz #VBW 620 kHz* Swe	ep 1.000 ms (1001 pts) 200.000 kH Auto Ma
N f 1,710 000 GHz -15,377 dBm	
4	Freq Offse
5 7	
2 N 1 7 1.709 978 GHz -13.824 dBm 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
<u>بوا</u>	STATUS

#### Band4_15MHz_QPSK_1_74_HighCH20325-1747.5

agmen igen										10.4.63
A.	8.13	4		A State	Runi	Avg Type Avg Hold	RMS	TRA	123456	Frequency
		ir ir	NO: Wide - Gain:Low	#Atten: 30	dB	stabilition.	100-100	- 12	ET A NNNN N	1.5.8.3
10 dB/div	Auto Tune									
310		-			_					Center Free
19.9	1	-	-		-	-	1			1.755000000 GH
0.00	7	WANNA CANA		A	12		1			
200		- pay	an a forten de	A. Anna mile	in month	amener	dame			Start Fred 1.754000000 GHz
30.0	_	_		-		1	Secolution	suralineral	an work	1.764000000 GH
40.0		-	-							Stop Free
0.03			-							1.756000000 GH
tart 1.75 Res BW	4000 GHz	-	#1/P1	N 620 KHZ*	-				6000 GHz	CF Ster 200.000 kH
Res Buy		×	#755	V BZU KHZ	1 100	ICTION 1 FOR				Auto Mar
1 N 2 N	1	1,755 00		-17 281 dB				-		1
3 4					-	-			_	Freq Offse
5					-					
7 8					-				_	
5 6 7 8 9					-	_			_	
11	1.1.			_	-					
50							STATU			

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# Report No.: E2/2018/B0069 Page 219 of 510



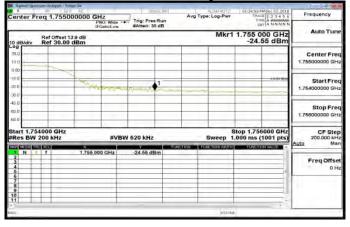
# Band4_15MHz_QPSK_75_0_LowCH20025-1717.5

against the	Onum-An support ( 1	154				10.4.63
Center F	req 1.710	000000 GHz PNO: Wide -	Trig: Pree Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 1	Frequency
10 dB/div	Auto Tuni					
20.0 10.0	_					Center Fre 1.710000000 GH
0.00			•1	ANT AND ANT AND	1000 40	Start Fre 1.709000000 GH
40.0 60.0						Stop Fre 1.711000000 GF
Start 1.70 #Res BW		#VB	W 620 KHz		Stop 1.711000 GHz 1.000 ms (1001 pts)	
1 N 2 3 4 5 6	1	1,710.000 GHz	-26,98 dBm			Freq Offse
5 6 7 8 9 10 11						
NESC				STATE	8	1

# Band4_20MHz_QPSK_1_99_HighCH20300-1745

10.4	H Dec I.J. DELH	1.01.22.26.0	ALIPHANIC						-Annyatti	- Beere	A gen	
Frequency	121456	TRAC	RMS	Avg Typ Avg/Hold		Law						
	ANNNNN	18	. 100/100	waliupid	B dB	#Atten: 3	PNO: Fast					
Auto Tuni		Ref Offset 13.9 dB Mkr1 1.755 000 GHz 10 dBudiv Ref 30.00 dBm -14.652 dBm										
Center Fre					_			-	-	-	- L	20
1.755000000 GH		-			-		-		1	-		t9
					1!		ng de sulfrande	Markat				10.0
Start Fre 1.754000000 GH				and the second	WWWW.	ergent and	and a free for	quasi				201
1./84000000 G	athingthe	all	he alonal	A. S. See	1.16	-	1.00	-				-301
Stop Fre	1	-			-			-		_	0	40.
1.756000000 GH				-	-		-	-	-	_		60.
-	200 C 100				-	-			1		0	-EE
CF Ste 200.000 kF		Stop 1,756			·	1.0 MHz	#VBW	9 <u>-</u>	000 GHz 00 KHz			
Auto Ma	IN WALLE	PANETR	NUTRIN WILTER	NOTION   FO		-14.652 dE	00 GHz	8	551			NV.
Freq Offse	_	-		_	ŝm	-13.508 dE		1,755 0	1			2
01	_			-	_							
					-				-	-	-	67
1.0		-			_				-	-		89
			-								-	45678910
	- X.	1	STATUS			-				-		50
		1	STATUS						_			64

# Band4_15MHz_QPSK_75_0_HighCH20325-1747.5



### Band4_20MHz_QPSK_1_0_LowCH20050-1720

10 4 11							nayati i Si	·····	iner 19	-0.9
Frequency	01:18:16 PM Dec 03, 2018 TRACE 1 2 3 4 5 6 Trate A WWWWWW	ALIGN WITO		Trig: Free Ru	PNO: Fast +		5,0			В
Auto Tune	1,710 000 GHz	Mkr1		#Atten: 30 dB	FGain:Low				_	_
	-17.56 dBm		_		-		Offset		BJdiv	
Center Free					-	-		-	-	30,0
1.71000000 GH	1				-				1.1	10.00
Start Free		WWW. april 1 mil	and T	(i1-	-	-	_	-	-	10.0
1.709000000 GH		1	1.01	Part of 1	man Wall	period of the	-Man	and a		20.0
Stop Free		_				-	area - a	apre T	- M	40.0
1.711000000 GH										50,0 60,0
	top 1.711000 GHz		_		-		CHa	09000		
CF Step 200.000 kH Auto Mai	000 ms (1001 pts)		_	V 1.0 MHz	#VB			V 300		
COTO Mai	FUNCTION VALUE	FUNCTION WDTH	PUN	-17.56 dBm	000 GHz	1,710.0		1	N	
Freq Offse				-15.07 dBm	980 GHz	1,709 9	-	11	N	234
OH			_		-		-	-	-	5
										78
		-	_		-				-	5 6 7 8 9 10
		STATUS								50
		PIATOP								den .

# Band4_20MHz_QPSK_100_0_LowCH20050-1720

agener ipr	Course A) Report 1	from 134				10 4 63
Center F	reg 1.710	0000000 GHz PNC: Fast	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6	Frequency
10 dB/div	Auto Tune					
20,0 10.0						Center Free 1.710000000 GH
0.00 -10.0 -20.0	~		<b>↓</b> ¹			Start Free 1.709000000 GH
-40.0 -60.0 -60.0						Stop Free 1.711000000 GH
	09000 GHz 300 kHz		SW 1,0 MHz	Sweep 1	Stop 1.711000 GHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 J 4 5 6 7 8 9 10		1,710 000 GHz	-25.06 dBm			Freq Offse 0 H
9 10 11 ,			~	574788		

#### Band4_20MHz_QPSK_100_0_HighCH20300-1745

against the	Oncer An experience	134			-				10 4 63
Center F	req 1.755	000000 G		Trig: Free R	A	ALIGH NOTO	D1/22/54 PN DA	22456	Frequency
	_	ir	Gain:Low	#Atten: 30 d	8			NNNNN	
10 dB/div	Ref Offset Ref 30.0					Mkr1	1.755 000 -23.44		Auto Tune
20,0		-			-				Center Free 1.755000000 GHz
0.00	_	_	-						1.755000000 GH
-10.0	X	- Aller	-	1		-			Start Free
30.0			A					inter	1.754000000 GH
40.0		-							Stop Free
-60.0									1.756000000 GH
Start 1.75 #Res BW	4000 GHz 300 kHz	-	#VB	N 1.0 MHz	_		Stop 1.75600 .000 ms (100	1 pts)	CF Step 200.000 kH Auto Mar
		1,755.00	DO GHZ	-23.44 dBm		FUNCTION MOTOR	PANETICNIA		Auto Mar
2 3 4		10,99,95							Freq Offse
5 6 7 8 9									
10			-			-			
11	1.1			-		-	-		
655						57ATH	-		

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No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 Taiwan Ltd.

台灣檢驗科技股份有限公司



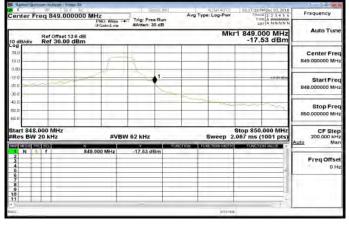
# Band5_1_4MHz_QPSK_1_0_LowCH20407-824.7

10.4					-	- 13	An experience in The	(george	1.000	- Q.
Frequency	03:13:58 PM Dec 03: 2018 TRACE 1 2 3 4 5 6	g Type: Log-Pwr		Trig: Free Ru	MHz	00000 MH	824.00	Freq	nter	Cer
1.1.0	LET A NNNN N			#Atten: 30 dE	PNO: Wide ++	1				-
Auto Tur	1 824.000 MHz -22.47 dBm	Mkr				13.5 dB 0 dBm	ef Offset	R	dB/di	10 d
Center Fre			-		-				Q	30,0
824.00000 MP			1							0.00
Start Fre				1		-		_	_	10.0
823.000000 MP				×	-					20.0
Stop Fre			-		-	-	in the	-		40.0
825.000000 MH					-					50) (D 6(0) (D
CF Ste 200.000 ki Auto Ma	stop 825.000 MHz 067 ms (1001 pts)		PUNCT	62 kHz	#VBW	*		23.000 W 20	es B	Re
FreqOffs	PERSITE PERSON			-22.47 dBm	24.000 MHz			1	N	2
0)		-								4 5
		-							-	6 7 8 9
										9
		STATUS		-				1.1.		50
		PININE							-	60

# Band5_1_4MHz_QPSK_6_0_HighCH20643-848.3

Frequency	CIE 1 2 3 4 5 6 THE A WWWWWW	TRA	Log-Pwr	Avg Typ	e Run	1	IZ PNO: Wide - FGain:Low	0000 MH	849.00	Fre	enter
Auto Tu	000 MHz 58 dBm	1 849.0	Mkr					3.6 dB	ef Offset 1 ef 30.00	v	dB/d
Center Fr 849.000000 M					-			-			90 90
Start Fr 848.000000 M	1000-000			-	•1	1				_	00
Stop Fre 850.000000 M	~										0.0
CF Ste 200.000 ki Auto M	0.000 MHz (1001 pts)	067 ms (	weep 2.			62 kHz	#VB	-		W 20	tart 8 Res E
Freq Offs	ISIN WALLIE	DSRAI		6050		-19.58 d	OO MHZ	849.0	1		1 N 2 3 4 5
											6 7 8 9 0
	- × .		STATUS		1						0

# Band5_1_4MHz_QPSK_1_5_HighCH20643-848.3



### Band5_1_4MHz_QPSK_6_0_LowCH20407-824.7

10 4 63	65:14 52 PM Dec 03 2018	ALIGNATIO				134	stays i i Trees	- A)()	ALC: NO	- 0,0			
Frequency	TRACE 1 2 3 4 5 6 TITE A WWWWW	Type: Log-Pwr		Trig: Free Run	O: Wide	000 MH	24.000	req 8	ter F	Cen			
		Mkr1 824.000 MHz											
Center Free 824.000000 MH							_	_		30.0 10.0			
Start Free 823.000000 MH	-100100		2	•1		_	_	-	-	0.00 10 0 20 0			
Stop Free 825.000000 MH						~~~~~	-	~~~~		40 0 40 0 50 0			
CF Ster 200.000 kH Auto Ma	top 825.000 MHz 67 ms (1001 pts)	Sweep 2.		62 kHz	#VBW		Hz	3.000 M	S BN	star Re			
Freq Offse 0 H	947#(989/2000 -	FURCTION WORK		-28.38 dBm	0 MHz	824.00		1 1	N	1234			
										5 6 7 8 9 10			
1	÷.	STATUS								esci			

# Band5_3MHz_QPSK_1_0_LowCH20415-825.5

againer (genouw an eyer) i beinge Sa		a second		0.4.4	
Center Freg 824.000000 MHz	SERISE INI	Aug Type: Log-Pwr	03/02/12/00/Dec 03:2018 TRACE 1 2 3 4 5 6	Frequency	
PNO: Wide iFGain:Low	#Atten: 30 dB		LET A NNNN N		
Ref Offset 13.5 dB		Mki	1 824.000 MHz -17.14 dBm	Auto Tun	
30.0	7	~		Center Free 824.000000 MH	
0.00 -100	1ª		estinge	Start Fre 823.000000 MH	
				Stop Fre 825.000000 MH	
Start 823.000 MHz #Res BW 39 kHz #VE	SW 120 kHz	Sweep 1	Stop 825.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma	
1 N 1 f 824.000 MHz 2 3 4	-17.14 dBm			Freq Offse 0 H	
5 6 7 8 9 9					
		STATUS	· · ·		

### Band5_3MHz_QPSK_1_14_HighCH20635-847.5

R	50 P40 00	TR .		1 38	ISE INT	Ave Te	ALIUTAITO		Dec 03.2018	Frequency
Jenter F	nter Freg 849.000000 MHz PNO: Wide -+ IFGain:Low				Run 0 dB		LET A NNNN			
10 dB/div	0 MHz 5 dBm	Auto Tur								
-og 20,0 10.0	_		1	-						Center Free 849.000000 MH
0.00	~	~		1	1	_				Start Free
-20.0				-	2 2	-				848.000000 MH
40 0 50,0 60 0	-					-			2000	Stop Free 850.000000 MH
Start 848 Res BW		×		120 kHz			Sweep 1.	Stop 850.0 000 ms (1	001 pts)	CF Stej 200.000 kH Auto Ma
1 N 1	1	849.000	MHz	-13.55 dE	3m					Freq Offse 0 H
5 6 7 8 9						-	_			
11	1.1		1	-			STATUS			

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# Band5_3MHz_QPSK_15_0_LowCH20415-825.5

10.4		-				_		134	and a second second	- A)))	and the	- 0,0	
Frequency	TH Dec 03. 2018	53:03:62 TRA	g Type: Log-Pwr		CERISE II		łz	0000 MH	24.000	eq 8	ter F	en	
				-	ten: 30 dB	۰,	PNO: Wide +4 FGain:Low	PNO: Wide = IFGain:Low					
Auto Tur	000 MHz .68 dBm	r1 824.0 -24.	Mk						Offset 13 30.00		3/div	IO de	
Center Fre				-	-	-	-	-		-	1	30,0	
824.000000 MH				2								10.00	
StartFre		_	_	×.					_			10.0	
823.000000 MH	-		-	-	•1				-			20.0	
1 - S												40.0	
Stop Fre 825.000000 MH	-			-	-	+	-	-	_	-		60/0	
				-								66.0	
CF Ste 200.000 kH	5.000 MHz (1001 pts)	Stop 825	Sweep 1		kHz	w 1	#VB			000 N 39 kH			
Auto Ma	ION WALLE	Putriet	FUNCTION WIDTH	PUNCT	.68 dBm		00 MHz	×			N	199	
Freq Offs				_	58 dBm	_	OU MHZ	824.0	-	1		2 3 4	
												5 6 7 8 9 10	
						_			-			9	
	- X.	1	1		-		-			11	-		
		4	STATU							_	-	55	

# Band5_5MHz_QPSK_1_24_HighCH20625-846.5

Frequency	M Dec 03.2018 = 1 2 3 4 5 6 = A WWWWW T A NNNNN	TRAD	ALIMIAITO He: Log-Pwr	Avg		a second	t VO:Wide →► Saln:Low	000 MH	849.000	1	R		
Auto Tun	00 MHz 73 dBm	Ref Offset 135 dB Mkr1 849.000 MHz 10 dBudw Ref 30.00 dBm18.73 dBm											
Center Fre 849.000000 MH				-			~	7			0.0		
Start Fre 848.000000 MH	1010164				•	1		-		-	0.00		
Stop Fre 850.000000 MH											0.0		
CF Ste 200.000 kF Auto Ma	1001 pts)	Stop 850. .000 ms (		CTION-		150 KH	#VBW	×		48.00 W 51	Res E		
Freq Offse 0 H					Bm	-18.73	0 MHz	849.00		1	N 23456		
									-		7 8 9 0		
	- * .		STATUS								a'i		

# Band5_3MHz_QPSK_15_0_HighCH20635-847.5

R Su - Su - Su		ะยังระบบ	ALIMANTO	03/06/25 PM Dec 03. 2018	Frequency
Center Freq 849.000000	PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	
Ref Offset 13.5 dB	IFGain:Low	#Atten: 30 dB	Mk	1 849.000 MHz -20.71 dBm	Auto Tune
20.0		_			Center Free 849.000000 MH
0.00 10.0 20.0				-19(0)(0)	Start Fre 848.000000 MH
40.0 60.0 60.0					Stop Fre 850.000000 MH
Start 848.000 MHz #Res BW 39 kHz	#VBW	120 kHz	Sweep 1	Stop 850.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH
NOT MATERIAN PLAN	49.000 MHz	-20.71 dBm	INCTION FUNCTION WOTH	PANETICN VALUE	Auto Ma
2					Freq Offse 0H
, 160			STATU	,	

### Band5_5MHz_QPSK_1_0_LowCH20425-826.5

against Sheeten an thirty at 1 hours Sa			ALIWAND	02:54:51 PM Dec 03.2618	10.4.63
Center Freq 824.00000	00 MHz	Avg Type: Log-		TRACE 123436 TITLE A WWWWWW	Frequency
Ref Offset 13.6 of Bldiv Ref 30.00 dB	Auto Tun				
00 30.0					Center Free 824.000000 MH
0.00 10:0 20:0		·			Start Free 823.000000 MH
40.0 50.0 60.0					Stop Free 825,000000 MH
Start 823.000 MHz Res BW 51 kHz	#VBW 150 kF	PUNC	Sweep 1.	Stop 825.000 MHz 000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 1 1 2 4 4 6	824.000 MHz -22.92	dBm			Freq Offse 0 H
6 7 8 9 9 10					
, 8(3)			STATUS		1

# Band5_5MHz_QPSK_25_0_LowCH20425-826.5

10.4			-		_	4.54	An Angent I Trees	gernen a	Gilmon 2				
Frequency	12.56:00 AM Dec 03. PELB TRACE 12.3.4.5.6 THE A WWWWW	Type: Log-Pwr		Trig: Free Run	Z NO: Wide	000 MHz	824.000	Freq	enter	Ce			
Auto Tune			-	#Atten: 30 dB	NO: Wide Gain:Low	iFGain:Low							
Hato Tan	1 824.000 MHz -26.99 dBm	Mkr			_		f Offset 13		dB/di	10			
Center Free			-			-			10	30			
824.000000 MH								_		19			
StartFree			1					_	- C	-10			
823.000000 MH				+	1					-20 -70			
Oton Fran		_	_						1.0	40			
Stop Free 825.000000 MH				-				_		60) 60)			
	Stop 825.000 MHz						64LL-	23.000		1			
CF Step 200.000 kH Auto Mar	000 ms (1001 pts)	Sweep 1.	_	150 kHz	#VBW		kHz	W 51	tes B	#R			
Auto Mar	PUNCTION VALUE	FUNCTION MOTH	Putiento	-26.99 dBm	0 MHz	824.000			N	199			
Freq Offse							-			23			
0 H		-	_		-		-		5	4 5 6			
			_				-			5678910			
					-		-			10			
		STATUS		-					-	*			
	1							-	-	-			

### Band5_5MHz_QPSK_25_0_HighCH20625-846.5

against 191	Course An Investor 1 Th			7 - To		10 4 63
Center F	reg 849.0	00000 MHz	06055.00	Aug Type: Log-Pwr	02:58:58 PH Dec 03: 2018 TRACE 1 2 3 4 5 6	Frequency
		PNO: Wide IFGain:Low	#Atten: 30 dB		LET A NNNN N	1.1
10 dB/div	Ref Offset Ref 30.0			Mkr	1 849.000 MHz -24.98 dBm	Auto Tune
20.0 10.0						Center Fred 849.000000 MHz
0.00			X			StartFree
-20.0			-			848.000000 MHz
40.0	-					Stop Free 850,000000 MH
66 D						
#Res BW		#VE	W 150 kHz	Sweep 1.	Stop 850.000 MHz .000 ms (1001 pts)	CF Step 200.000 kHz Auto Man
N N		849,000 MHz	-24.98 dBm	NETION   FUNCTION WOTH	PLANETICN VALUE	
2 3 4 5						Freq Offset 0 Hz
5 6 7 8 9	-					
10			~		+	
145/5				STATUS		

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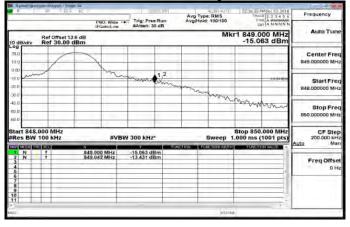
# Band5_10MHz_QPSK_1_0_LowCH20450-829

- Augument Speakinger Antropyet I Toront Sa				10 4 23
R and SD an AC	sense.00	ALEMANTE Avg Type: RMS	12.12.07 MI Dec 03.2018	Frequency
	Filo: Wide ++- Trig: Free Run FGain:Luw #Atten: 30 dB	Avg Hold: 100/100	LET A NNNN N	1.1.1
Ref Offset 13.5 dB	Auto Tune			
310				Center Free 824,000000 MH
0.00	norman and the	man	Volues	Start Fre 823.000000 MH
40 0 60 0 60 0				Stop Fre 825.000000 MH
Start 823.000 MHz #Res BW 100 kHz	#VBW 300 kHz*		op 825.000 MHz 00 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
N F 824.0	00 MHz -14.712 dBm	INCTION FUNCTION WOTH	PUNCTION VALUE	COTO INI
3 4	176 MHz -13,422 dBm			Freq Offse
5 6 7 8 9 9				
10				
495		STATUS		

# Band5_10MHz_QPSK_50_0_HighCH20600-844

R	req 849.00	1 16 1	Trig: Pree Run	Aug Type: Log-Pwr	02.36.45 PM Dec 0.5.2018 TRACE 1 2 3 4 5 6 TIME A WWWWW DET A NNNN	Frequency
10 dB/div	Auto Tune					
20,0 10:0	Ref 30.00					Center Free 849.000000 MH
0.00 -10.0 -20.0		1	••••••		2010-160	Start Fre 848.000000 MH
40 0 60,0 60,0						Stop Fre 850.000000 MH
Start 848 #Res BW		#VB	W 300 kHz		Stop 850.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 2 3 4 5 6		849.000 MHz	-21,68 dBm			Freq Offse 0 H
7 8 9 10 11						
695				STATUS		

# Band5_10MHz_QPSK_1_49_HighCH20600-844



### Band5_10MHz_QPSK_50_0_LowCH20450-829

allow the	Course Arrangent ( To	anga Sa		ALDHINGTO	02.53.33 PM Dec 05. 2018	10.4.00	
Center F	reg 824.00	PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency	
10 dB/div	Ref Offset	IFGain:Low 13.6 dB 1 dBm	#Atten: 30 dB	Mki	1 824.000 MHz -23.14 dBm	Auto Tune	
20,0 10:0	_					Center Free 824.000000 MH	
0.00 -10.0 -20.0				vir service -		Start Free 823.000000 MH:	
40 0 60,0 60,0						Stop Free 825.000000 MH	
Res BW	.000 MHz 100 kHz		W 300 kHz	Sweep 1	Stop 825.000 MHz .000 ms (1001 pts)		
1 N 1 2 J 4 5 6 7 7 8 9 9	T	824.000 MHz	-23.14 dBm		PLODE EXIL VALUE	Freq Offse 0 Ha	
10 11	1.1		-	STATUS			

# Band7_5MHz_QPSK_1_0_LowCH20775-2502.5

again (prover Analyse) The	nu ( 54				10 4 23
Center Freq 2.500000000 GHz		Trig: Free Run	Aug Type: Log-Pwr	04/25/11 PM Dec 03, 2018 TRACE 1 2 3 4 5 6 TITHE A WWWWW	Frequency
Ref Offset 1. 10 dB/div Ref 30.00		#Atten: 30 dB	Mkr1	2.500 000 GHz -20.61 dBm	Auto Tune
30,0 10:0					Center Free 2.50000000 GH
0.00				- conde	Start Fre 2.499000000 GH
40.0 60.0 60.0					Stop Fre 2.501000000 GH
Start 2.499000 GHz #Res BW 51 kHz	*	150 kHz	Sweep 1	stop 2.501000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
N 1 1 2 4 5 6 7 7 8 9	2,500 000 GHz	-20.61 dBm			Freq Offse 0 H
8 9 10 11 ,			STATUS		

# Band7_5MHz_QPSK_1_24_HighCH21425-2567.5

			10 4 4						
Survey State	Avg Type: Log-Pwr	TRADE 1 2 2 4 5 6	Frequency						
#Atten: 30 dB		LET A NNNN N	Auto Tun						
Ref offset 14.1 dB Mkr1 2.570 000 GHz 10 daudiv Ref 30.00 dBm -15.92 dBm									
			Center Free 2.57000000 GH						
~			2.57000000 GH						
1			Start Fre						
			2.569000000 G						
			Stop Fre						
			2.571000000 GH						
14.4 110.14	Sweep 1	.000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma						
-15.92 dBm			Freq Offse						
			9 A						
			1.0						
	STATU								
	150 kHz	Arg Type: Log-Per Arg Type: Log-Per Mkr1 Mkr1 150 kHz Sweep 1 Sweep 1 Sweep 1	Trig: Free Run BAtten: 30 dB         Avg Type: Log-Pur Minimum         Trici: 12:33 + 5 & Minimum           Minimum         Minimum         Trici: 12:33 + 5 & Minimum         Trici: 12:33 + 5 & Minimum           Minimum         Minimum         Trici: 12:33 + 5 & Minimum         Trici: 12:33 + 5 & Minimum           Minimum         Minimum         Minimum         Trici: 12:33 + 5 & Minimum         Trici: 12:33 + 5 & Minimum           Minimum         Minimum         Minimum         Minimum         Trici: 12:33 + 5 & Minimum         Trici: 12:33 + 5 & Minimum           Minimum         Minimum         Minimum         Minimum         Trici: 12:33 + 5 & Minimum         Trici: 12:33 + 5 & Minimum           Minimum         Minimum         Minimum         Minimum         Trici: 12:33 + 5 & Minimum         Trici: 12:33 + 5 & Minimum           Minimum         Minimum         Minimum         Minimum         Trici: 12:33 + 5 & Minimum         Trici: 12:33 + 5 & Minimum           Minimum         Minimum         Minimum         Minimum         Minimum         Trici: 12:33 + 5 & Minimum         Trici: 12:33 + 5 & Minimum           Minimum         Minimum         Minimum         Minimum         Trici: 12:33 + 5 & Minimum         Trici: 12:33 + 5 & Minimum           Minimum         Minimum         Minim         Minimum         Trici:12:3						

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台灣檢驗科技股份有限公司

# Report No.: E2/2018/B0069 Page 223 of 510



# Band7_5MHz_QPSK_25_0_LowCH20775-2502.5

10.4	64.05 58 PM Dec 03.2618	ALIMA WITC		séribe II		so a Tic	- An Press		R
Frequency	TRACE 1 2 3 4 5 6	Type: Log-Pwr TRACE 123		Trig: Free Run		enter Freq 2.500000000 GHz		Cen	
A		-		#Atten: 30 dB	iFGain:Low	-			_
Auto Tune	Ref Offset 14.1 dB Mkr1 2.500 000 GHz 10 dB/div Ref 30.00 dBm -22.16 dBm								
Center Fre								100	30.0
2.50000000 GH			_	-	-		_		10.0
	~~~~~		-6		-	-	-	-	0.00
Start Fre		-	1	1	-	-	_	-	10.0
2.499000000 G		-	~	-	-		-	1	20.0
				-	-		-	1	10.0
Stop Fre			_			-	-		4D D
2.501000000 GH					-		-		50,0
		-	-		-		-		66) D
CF Ste 200.000 kF Auto Ma	top 2.501000 GHz 000 ms (1001 pts)	Sweep 1.		150 kHz	#VBW	z	0000 GH 51 kHz	t 2.499 s BW 1	
Auto M	FUNCTION VALUE	UNCTION WIDTH	PONCTION	-22.16 dBm	800 GHz	2 500 0		N N	-91
Freq Offs				Skille Stell					2145
								-	4 5 6 7 8 9 10 11
			-						9
							1		11
		STATUS							65

Band7_10MHz_QPSK_1_49_HighCH21400-2565

10 4	04/21/14/01/Dec 10. 2018	ALINEWINE		1 sérve				ant illusio	0.98
Frequency	TRACE 1 2 3 4 5 6 THE A WWWWW	Type: RMS loid: 100/100		Trig: Free Ru	PtiO: Wide		-	_	n
	- Heat and a start	A GLO SE LLA		#Atten: 30 dE	iFGain:Low				-
Auto Tun	2.570 000 GHz -14.602 dBm	Mkr1				t 14.1 dB 00 dBm	Ref Offset Ref 30.0	Jdiv	10 dB
Center Fre		-	-		_	-	/	1	20.0
2.570000000 GH					1	1.1.1	1		19.9
Start Fre				"mant	~~~	_	/	~~~	100
2.56900000 GH		"inging an	min	-		-	-		20.0
	mmm.	2000							40.0
Stop Fre 2,571000000 GH			_	-		-		_	60.0
2.07 1000000 01		-	-	-	-	-			66.0
CF Ste 200.000 kH	stop 2.571000 GHz .000 ms (1001 pts)			300 kHz*	#VBW	z	0000 GHz		
Auto Ma	FUNCTION VALUE	FUNCTION WOTH	PONET	14.602 dBm	000 GHz	2 570 /			terati M
Freq Offse				14.002 0300	OUD OFTA	2,3193			2 3 4
01					-			-	5 6
									7
				_				+	9 10 11
			-				1 1	-	
	1	STATUS						_	\$0)

Band7_5MHz_QPSK_25_0_HighCH21425-2567.5

Agener (gennen Arreyet) i been Sa					10.4 63
Center Freq 2.57000000	PNO: Wide -+	Trig: Pree Run	Avg Type: Log-Pwr	D4 (28:41 PM Dec 05, 2018 TRACE 1 2 3 4 5 6 Tree A WWWWW	Frequency
Ref Offset 14.1 dB	iFGain:Low	#Atten: 30 dB	Mkr1	2.570 000 GHz -18.55 dBm	Auto Tune
30.0 ten 0					Center Fred 2.570000000 GHz
0.00 -100 -200	-	•			Start Fred 2.56900000 GHz
400 400 500					Stop Free 2.571000000 GH:
Start 2.569000 GHz #Res BW 51 kHz	#VBW	150 kHz		Stop 2.571000 GHz 1.000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
No. F 2,5 3 1 2,5 3 3 2,5 5 6 7 8 9 10 11 1 1	70 000 GHz	-18,55 dBm	ANCTION FURCTION WIDTH	DATUR FAIR VALUE -	Freq Offse 0 H
11 , #/S			STATE	a) *	

Band7_10MHz_QPSK_1_0_LowCH20800-2505

	19.54		ALINA MITC	64/17/17/00 Dec 10, 2018	10 4 21
n. 1 - 30 -	PNO: Wide	Trig: Free Run	Avg Type: RMS Avg(Hold: 100/100	TRACE 123436	Frequency
Ref Offset 14	IFGaintLow	#Atten: 30 dB	Mkr1	2.500 000 GHz	Auto Tuni
o dBJdiv Ref 30.00 a				-13.020 dBm	
31.0 19.9	_		-		Center Free 2.50000000 GH
00 00		and in	amot	2000	Start Fre
00 00 00 00	www.				Stop Free
00					2.501000000 GH
tart 2.499000 GHz Res BW 100 kHz	#VB	W 300 kHz*		top 2.501000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
	2,500 000 GHz	-13,020 dBm	NETION FUNCTION WOTH	PUNCTION VALUE	CHIN (114
2 N T 3 4	2.499 942 GHz	-13.229 dBm			Freq Offse
5 6 7 8 9 9					
9					
55			STATUS		I

Band7_10MHz_QPSK_50_0_LowCH20800-2505

against Spectrum Analysis (Souge Sa					-		0 4 63
Center Freq 2.500000000 GHz		Avg Type: Lo		Log-Pwr			Frequency
Ref Offset 14.1 dB	0 GHz 6 dBm	Auto Tune					
200		_					Center Free 2.50000000 GH
0.00		•1	-	-			Start Free 2.499000000 GH
200 400 600						_	Stop Free 2.501000000 GH
Start 2.499000 GHz #Res BW 100 kHz	#VBW	300 kHz			top 2.5010 .000 ms (10	001 pts)	CF Ster 200.000 kH Auto Ma
2 N 1 1 2,500.00 3 4	0 GHz	-21.26 dBm					Freq Offse 0 H
5 6 7 7 8 9 9 10 11						Ļ	
1850 -				STATUS		- +	

Band7_10MHz_QPSK_50_0_HighCH21400-2565

B 8-	reg 2.57	0000000 GH	lz NO:Wide →• Gain:Low	Trig: Free R	un	Avg Type	Log-Pwr	TRA	M Dec 05 2018	Frequency
Ref Offset 14.1 dB Mkr1 2.570 000 GHz 10 dBiddy Ref 30.00 dBm - 18.00 dBm										Auto Tune
20.0 10.0					_					Center Free 2.57000000 GHz
10.00 -10.0 -20.0				• • • •	-				1010166	Start Free 2.569000000 GH
30.0 40.0 60.0										Stop Free 2.571000000 GH:
Start 2.5	69000 GH 100 kHz	z	#VBV	V 300 kHz		_	Sweep 1	.000 ms (1000 GHz 1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 3 4	1	2,570.00	0 GHz	-18,00 dBm						Freq Offse 0 Ha
5 6 7 8 9 10							_	_		
4 195				-			STATUS		- H	

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Band7_15MHz_QPSK_1_0_LowCH20825-2507.5

again gennangengett	19 SA				10 4 63
R 50	PSO: Wide +	Trig: Free Run	Avg Type: RMS Avg[Hold: 100/100	D4 IN 27 HI DIC III 2018 TRACE 1 2 3 4 3 6 THE A WYNNIN	Frequency
Ref Offset 1 10 dB/div Ref 30.00		#Atten: 30 dB	Mkr1	2.500 000 GHz -15.640 dBm	Auto Tuni
20.0 19.9					Center Free 2.50000000 GH
0.00 100 200 200	And a support of the	maning the month	any many many and	eomeo	Start Free 2.499000000 GH
40.0 60.0 60.0					Stop Free 2.501000000 GH
Start 2.499000 GHz ¥Res BW 200 kHz	1.24	W 620 KHZ*	Sweep 1	Stop 2.501000 GHz .000 ms (1001 pts)	CF Stej 200.000 kH Auto Ma
1002 12210 1024 5141 1 N f 2 N f 3 N f 4 5 6 7	2,500 000 GHz 2,499 978 GHz 2,499 914 GHz	-15,640 dBm -13,557 dBm -13,516 dBm	ANCTERN PERCINCIPATION		Freq Offset © Hz
8 9 10 11 ,			STATE		

Band7_15MHz_QPSK_75_0_HighCH21375-2562.5

- 0.1 mm 19	ALL PROPERTY OF	1.54				-			10 4 68
Center I	Freq 2.570	000000 G	Hz NO: Wide	Trig: Free Run	Avg	Type: Log-Pwr	D4/11/28 PM D4	23456	Frequency
			Gain:Low	#Atten: 30 dB	2	-	- President	NNNN	Auto Tune
10 dB/div	Ref Offsel Ref 30.0				~	Mkr1	2.570 000		Auto Turk
20.0		-	-	_	_	_			Center Free
10.0		-	-					-	2.570000000 GH
10.00		-		1				amite	
20.0				-					Start Free 2,56900000 GH
30.0			-	-				-	100000000000000000000000000000000000000
40.0			-			-			Stop Free
60.0									2.571000000 GH
	69000 GHz V 200 kHz		#VB	W 620 kHz		Sweep 1	Stop 2.57100 .000 ms (10	01 pts)	CF Ster 200.000 kH
NOTE N		2,570.00	DO CHA	-17.61 dBm	PONETION	FUNCTION WIDTH	FUNCTION	ALLE -	Auto Mar
2 3 4 5		2,070,0	AU SITIA	- Tr, wi gaan					Freq Offse 0 H
6 7 8 9								=1	
10									
455				-		STATE			
						PININ	-		

Band7_15MHz_QPSK_1_74_HighCH21375-2562.5

R	4 - TR	SERIES (ML. SERIES)	ALIBRA AUTO		Frequency
	PtiC: Wide +	Trig: Free Run	Avg Type: RMS Avg[Hold: 100/100	TRACE 1 2 3 4 5 6	
Ref Offset		exten: 30 dB	Mkr	1 2.570 000 GHz -14.490 dBm	Auto Tun
30.0 10.0					Center Fre 2.570000000 GH
0.00 \000 200	ware ward and a second	menutine timp	and and a second	เลงรู้ใหญ่ การเป็นเป็น เอาเมต์	Start Fre 2.569000000 Gi
40 0 50 0 60 0					Stop Fre 2.571000000 GR
itart 2.569000 GHz Res BW 200 kHz		V 620 kHz*	Sweep	Stop 2.571000 GHz 1.000 ms (1001 pts)	CF Ste 200.000 ki Auto M
T N T 2 N T 3 4	2,570 000 GHz 2,570 006 GHz	-14,490 dBm -13,343 dBm	Concertantes - Education with	H PLANCTION VALUE	FreqOffs
5 6 7 8 9 9					
(a)			STAT		

Band7_15MHz_QPSK_75_0_LowCH20825-2507.5

0.4.4	23 PH Dec 05, 2018		ALIWANTE				1.54	NAME OF TAXABLE PARTY.	1-1-1-1 P	an ibre	0.97
Frequency	PACE 1 2 3 4 5 6	1	Avg Type: Log-Pwr		Trig: Free Ru	NO: Wide	00000 G	.5000	req 2	er Fr	ent
Auto Tuni	000 GHz 2.15 dBm	2.500	Mkr1		#Atten: 30 df	Gain:Low	4.1 dB	Offset 14 30.00	Ref C	Vdiv	IO dE
Center Free 2.50000000 GH						-	-	_	-		.og 30,0 10.0
Start Free 2.499000000 GH			Monon	~ ~	•1				-		0.00 10.0 20.0
Stop Free 2.501000000 GH											40.0
CF Ster 200.000 kH Auto Mar	501000 GHz s (1001 pts)	1.000 ms	Sweep 1		620 kHz	#VBV	-		9000 200 k	BW	Star
Freq Offse 0 H		11.00	NUMERICIN WADY IN	PUNC	-22.15 dBm	00 GHz	2,500.0			N	1234
											5 6 7 8 9 10 11
		8	57A TU								40)

Band7_20MHz_QPSK_1_0_LowCH20850-2510

- Agener (gennen Antrepart) Tomas Sa					10 2 23
A 50 - 10	PNO: Fast -P	Trig: Pree Run	Avg Type: RMS Avg[Hold: 100/100	TRACE 1 2 3 4 3 6 THE A WINN N	Frequency
Ref Offset 14.1 dt	IFGain:Low	EAtten: 30 dB	Mkr1	2.500 000 GHz -17.217 dBm	Auto Tune
og 310 199					Center Free 2.50000000 GH
0.00 200 Matury Marka Marka 200	March Derwindhing	mapping harts	1. Martha providence	eomice.	Start Free 2.499000000 GH
					Stop Free 2.501000000 GH
Start 2.499000 GHz Res BW 300 kHz	#VBV	/ 1,0 MHz1	Sweep 1	stop 2.501000 GHz .000 ms (1001 pts)	CF Stel 200.000 kH Auto Ma
1 N T 2	500 000 GHz 499 936 GHz	-17 217 dBm -13 242 dBm			Freq Offse DH
50 C	-		STATU		

Band7_20MHz_QPSK_1_99_HighCH21350-2560

10 4							Annosti I	19****	A second second	(Q)
Frequency	TRACE 123456 TRACE 123456 THE A WINNEN	Type: RMS	Av	Trig: Pree Run	O: Fast -P	R	50 -	-	1	R
		A CLOSED LA		Atten: 30 dB	ain:Low	IFG			_	-
Auto Tun	2.570 000 GHz -15.002 dBm	Mkr1	-	-			ef Offset 14 tef 30.00		Bidiy	0 d
Center Fre		-	_					-		31.0
2.570000000 GH		-			-	-	1	-		19.9
	what when the second		3	12	Ashin	When here here		_		1.00
Start Fre 2 56900000 GH	1 10 1	MAMAA	MYCWA	when the section	and the shift				-	0.0
	man when the	o di sectore	-			-	-	_	-	10.0
Stop Fre		-		_		-	-			0.0
2.571000000 GH										50.0 60.0
CF Ste 200.000 kH	top 2.571000 GHz			.0 MHz*		-	00 GHz	.5690 W 30		
Auto Ma	000 ms (1001 pts)	Sweep 1.	PUNCTER	,0 MHZ	#VBV	×			-	
				5.002 dBm		2,570 000	1		N	1
Freq Offse				3.196 dBm	GHZ	2.570 092	1		NN	234
51		-							-	5
									-	7 8
							-			567890
				-	_		-	1-1-	-	11
		STATUS								(G)

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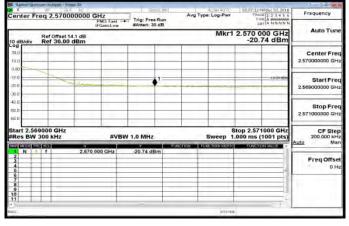
Band7_20MHz_QPSK_100_0_LowCH20850-2510

10 4 6						134	10000	(i	A second second	a
Frequency	12:26:48 PM Dec 03: 2018 TRACE 1 2 3 4 5 6 TIME A WWWWW	Log-Pwr	Avg Ty	rig: Free Run	Hz PNO: Fast ++	00000 G	50000	req 2	nter F	Cer
Auto Tun	500 000 GHz -22.08 dBm	Mkr1 2	-	Atten: 30 dB	FGain:Low	1 dB	Offset 14		Bldiv	
Center Fre 2.50000000 GH	LE.00 UDIN			-		DDIII	30.00 0	Rei		20,0 10.0
Start Fre 2.499000000 GH	1000-000	-		•1				_		0.00
Stop Fre 2.501000000 GH		_								40.0
CF Ste 200.000 kH Auto Ma	o 2.501000 GHz 0 ms (1001 pts)	St weep 1.0	NCTION 1	0 MHz	#VBW	×		9000 300 I		#Re
Freq Offse 0 H				22.08 dBm	00 GHz	2,500 0		1	N	123456789
1-1				_						8 9 10 11
		STATUS							_	les/a

Band12_1_4MHz_QPSK_1_5_HighCH23173-715.3

R.	Anayzet 15	2 BC	JERSE IN	ALIM NUTC	6914328 AMDec 64, 2018	Frequency
Center F	reg 716.00	PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	
10 dB/div	Ref Offset	13.6 dB	EAtten: 30 dB	Mk	r1 716.000 MHz -20.73 dBm	Auto Tuni
20,0 10.0		T				Center Fre 716.000000 MH
0.00	_		to!		samiga	Start Fre 715.000000 MH
-36.0 -40.0 -60.0						Stop Fre 717.000000 MH
1.000		#VI	BW 62 kHz	Sweep 2	Stop 717.000 MHz .067 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 2 3 4 5	T T	716.000 MHz	-20.73 dBm			Freq Offse 0 H
6 7 8 9 10						
				57470		

Band7_20MHz_QPSK_100_0_HighCH21350-2560



Band12_1_4MHz_QPSK_1_0_LowCH23017-699.7

10.4.8	40138 AMDec 64, 2038	MAND 1				_	N .	111111	and the second s	R	
Frequency	TRACE 123456		Avg Type	Run	The second	O: Wide -4	000 MHz	599.000	Freq	enter	
Auto Tune	IFGalanLow #Atten: 30 dB EXTANDATION #Atten: 30 dB EXTANDATION #Atten: 30 dB Mkr1 699,000 MH2 10 dBJdiv Ref 30.00 dBm -22.95 dBm										
Center Free 699.000000 MH		_						_		10	
Start Free 698.000000 MH		~		e£						00	
Stop Free 700.000000 MH						~			un?		
CF Step 200.000 kH Auto Mar	700.000 MHz ms (1001 pts)	veep 2.00	TION- LEDA		/ 62 kHz	#VB	×	Hz	8.000 I N 20 k	tes B	
Freq Offse 0 H				3m	-22.95 dBn	MHZ	699.000		17	2 3 4	
										5 6 7 8 9 0	
		STATUR								s)	

Band12_1_4MHz_QPSK_6_0_LowCH23017-699.7

Against Spectrum Anarytet Trends Sa				10 4 63
Center Freq 699.000000 M		Aug Type: Log-Pwr Bun	19141 US AM Dec IN, 2018 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 13.5 dB	iFGain:Low #Atten: 30	dB	r1 699.000 MHz	Auto Tune
10 dB/div Ref 30.00 dBm			-24.32 dBm	
20.0				Center Free 699.000000 MH
0.00 1070		17	comiga	Start Fre
200	- income the			699.000000 MH
40.0 60(0				Stop Fre-
Res BW 20 kHz	#VBW 62 kHz	Sweep 2	Stop 700.000 MHz 2.067 ms (1001 pts)	CF Step 200.000 kH
NOT MODE THE SEL	¥.	POINTION FUNCTION WIDTH	PUNCTION VALUE	Auto Mar
2	000 MHz -24.32 dB	m		Freq Offse 0 H
5 6 7 8 9 10				
11 /		STATU		

Band12_1_4MHz_QPSK_6_0_HighCH23173-715.3

agnen (process annyor) i Tomas Sa		7		10 4 63
Center Freg 716.000000 MHz	- OFFISELINI	Aug Type: Log-Pwr	09:43:51 AMDec 01, 2018 TRACE 1 2 3 4 5 6	Frequency
PNO: Wide iFGain:Low	#Atten: 30 dB		LET A NNNN N	1.4
Ref Offset 13.5 dB 10 dB/div Ref 30.00 dBm	_	Mki	1 716.000 MHz -27.88 dBm	Auto Tune
				Center Free 716.000000 MH
0.00	1		and the second se	
20.0	1			Start Free 715.000000 MH
40.0				Stop Free
60.0 60.0				717.000000 MH
Start 715.000 MHz #Res BW 20 kHz #VBW	62 kHz	Sweep 2	Stop 717.000 MHz 067 ms (1001 pts)	CF Stej 200.000 kH
N T T T15.000 MHz	-27.88 dBm	HUNCTION HUNCTION HADTH	PROVIDEN VALUE	Auto Ma
2 3 4				Freq Offse 0 H
5 6 7 8 9				
10				
niça (STATUS		

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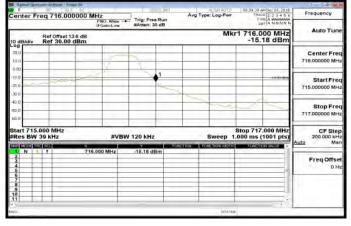
Band12_3MHz_QPSK_1_0_LowCH23025-700.5

all per the prese		_		-					10 4 63
Center Freq	699.000000 MH	Z NO: Wide -+	Trig: Pree R		Avg Type	Log-Pwr	109,31 HI AM	1 2 3 4 5 6 A WWWWWW	Frequency
	f Offset 13.6 dB	FGain:Low	#Atten: 30 d	8	-	Mk	1 699.00		Auto Tune
10 dB/div Re 20,0 10.0	ef 30.00 dBm	-		2	~		-14,5	T UBIII	Center Free 699.000000 MH
0.00 -10.0 -20.0			ť	/	7	2	~		Start Fre 698.000000 MH
40.0 60.0 60.0					_				Stop Fre 700.000000 MH
Start 698.000 #Res BW 39	kHz	#VBN	120 kHz			Sweep 1	Stop 700.0 .000 ms (1	001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 7 2 3 4		00 MHz	-14.31 dBm						Freq Offse 0 H
5 6 7 8 9 9 10 11			~					+	1
850)						STATUS			

Band12_3MHz_QPSK_15_0_HighCH23165-714.5

IFGain:Low #Atten: 30 dB		DET A NNNN N	
	Mkr	1 716.000 MHz -24.03 dBm	Auto Tuni
			Center Free 716.000000 MH
		1000-004	Start Fre 715.000000 MH
			Stop Fre 717.000000 MH
#VBW 120 kHz	Sweep 1.	000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
16.000 MHz -24.03 dBm			Freq Offse 0 H
		#VBW 120 kHz Sweep 1.	#VEW 120 kHz Stop 717.000 MHz #VEW 120 kHz Stop 717.000 MHz 16.000 MHz Stop 717.000 MHz

Band12_3MHz_QPSK_1_14_HighCH23165-714.5



Band12_3MHz_QPSK_15_0_LowCH23025-700.5

10 4 63		ALIGNMENTO		BRISE		14	1000		and they	- 0,9	
Frequency	TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6 THE A WARNER	Center Freq 599,000000 MHz If Guint.com If Guint.com Trig: Free Run If Guint.com RAten: 30 dB Mkr1 699,000 MKr1 Mkr1 699,000 MKr1 Kr1 699,000 MKr1									
Center Freq 699.000000 MHz				-	_			-	1	30,0 10.0	
Start Fred 698.000000 MHz	-1010165		2							0.00 -10.0 -20.0	
Stop Freq 700.000000 MHz										40.0	
CF Step 200.000 kH; Auto Mar	p 700.000 MHz) ms (1001 pts)	Sweep 1.		120 kHz	#VBW			000 M 39 KH	s BW	#Re	
Freq Offset 0 Ha				-23.14 dBm	MHZ	х 699.000 М		T	N	1 2 3 4 5 6 7 8 9 10 11	
		STATUS		-						, 160	

Band12_5MHz_QPSK_1_0_LowCH23035-701.5

a and the state	Annyat (Terms	54								10 4 63
Center Fre	q 699.000	PNO	Wide	Trig: Free	Run	Avg Ty	ALBUT NOTO pe: Log-Pwr	09:24:09 A	123456 A MNNNN	Frequency
10 dB/div	Ref Offset 13.0 Ref 30.00 d	5 dB	lin:Low	#Atten: 30	dB		Mk	1 699.0		Auto Tune
20,0 10.0						1	R			Center Free 699.000000 MH
-10.00 -20.0)	1		~	~	-1010464	Start Free 698.000000 MHz
40 0 60 0			~							Stop Free 700.000000 MH
Start 698.00 #Res BW 51	KHZ		#VBW	150 kHz			Sweep 1		1001 pts)	CF Stej 200.000 kH Auto Ma
1 N 1 2 3 4	1	699,000 1	MHZ	-21.59 dB						Freq Offse 0 H
5 6 7 8 9 9 10 11				~			STATU			

Band12_5MHz_QPSK_1_24_HighCH23155-713.5

Frequency	19:27-31 AMDec 64, 2018 TRADE 1 2 3 4 5 6 Tree A WHENNYN	ALIW WITC g Type: Log-Pwr	1	Trig: Free Rus	O:Wide -►+	0000 MHz	q 716.00		LUI R		
Auto Tuni	1 716.000 MHz -19.30 dBm	Mkr1 716.000 MHz									
Center Free 716.000000 MH					~	1			30,0 10.0		
Start Free 715.000000 MH				1		r-E	-		0.00 -10.0 -20.0		
Stop Free 717.000000 MH			-1-						40.0		
CF Step 200.000 kH Auto Mar	Stop 717.000 MHz 000 ms (1001 pts)	Sweep 1.	PAGE 15	150 kHz	#VBW			rt 715.0	#Re		
Freq Offse 0 H				-19.30 dBm	MHZ	716,000	1	N 1	1 234		
									5 6 7 8 9 10		
	· · · ·	STATUS							* 45/3		

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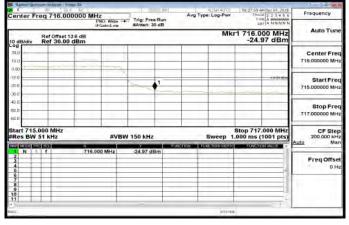
Band12_5MHz_QPSK_25_0_LowCH23035-701.5

Augment (gentingen Annyant) Toront Sa				10 4 23
Center Freq 699.000000 MHz	Trig: Free Run	Aug Type: Log-Pwr	109.25/06 AMDec 04, 2018 TRACE 1 2 3 4 9 6 THE A WWWWW LET A NNNN N	Frequency
FGainLow Ref Offset 13.6 dB 10 dB/div Ref 30.00 dBm	#Atten: 30 dB	Mk	1 699.000 MHz -25.28 dBm	Auto Tune
20,0				Center Free 699.000000 MH
100 100 200		-	10000	Start Free 698.000000 MH
400 400 500				Stop Fre 700.000000 MH
Start 698.000 MHz #Res BW 51 kHz #VBW	150 kHz	Sweep 1	Stop 700.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
2 1 699,000 MHz	-25.28 dBm			Freq Offse 0 H
5 6 7 8 9 10 11 11				
• 4455		STATU	1	

Band12_10MHz_QPSK_1_49_HighCH23130-711

10.5		AURIAUT					# 5#	Annya Million		diama d	- 0
Frequency	TRADE 1 2 3 4 5 6			Law		R. F	50 -	-	1		
1.50	LET A NWWWW	100/100	AvgiHold		#Atten: 3	FGain:Low	P 4				-
Auto Tur	1 716.000 MHz -13.437 dBm	Ref Office: 13.6 dB Mkr1 716.000 MH: 10 dB/div Ref 30.00 dBm - 13.437 dBn - 13.437 dBn									
Center Fre		-	_			1	-	~			.og
716.000000 Mi		-		-		· · · · ·	1	1	_	-	19.5
			- where	12		how		-	hour	1.1.	0.00
StartFre			1000	Norv	an m		-			-	10.0
715.000000 M		m	Jane				1		_		20.0
1		my		1							40.0
Stop Fre 717.000000 Mil	mound	_	-	-		-			_		50,0
717.000000 M			-	-	_	-		-		-	EE D
CF Ste 200.000 ki	Stop 717.000 MHz .000 ms (1001 pts)		-		300 kHz	#VBW		MHz	15.00 W 10	rt 71	sta
Auto Mi	FUNCTION VALUE	CTON HOTH	ICTION		Ŷ		x				14
Freq Offs		-	-		-13,437 di -13,540 di	20 MHz				N	23
Frequis			-	-		-	_	-		-	4
				-				-			5
								-		_	789
		_						1			9 10 11
				- 14	-			1			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		STATUS								_	50

Band12_5MHz_QPSK_25_0_HighCH23155-713.5



Band12_10MHz_QPSK_1_0_LowCH23060-704

10.4.81	HR11251 4MDec 64, 2018	ALLINGAUTE		DERISE III		12			8
Frequency	TRACE 123456	Type: RMS Hold: 100/100	Avg	rig: Free Run	: Wide +•	06			
Auto Tune		a an an a		Atten: 30 dB	distLow	IFG			
Auto / Uni	1 699.000 MHz -13.236 dBm	Mkr		-		6 dB IBm	Ref Offset 1 Ref 30.00	lîv -	dB
Center Free 699.000000 MH		1						-	0.0 9.0
	1	~		n liter	-	-	-		00
Start Free	- Comment		and the	million	-	-	-	-	00
698.000000 MH					maria	1000			00
Stop Free					-	miv	man		0.0
700.000000 MH								×	0.0
CF Step 200.000 kH	Stop 700.000 MHz 000 ms (1001 pts)			IO KHZ'	#VBV		00 MHz		
Auto Mar		FUNCTION WIDTH	PONCTION			×			
Freq Offse			_	3 236 dBm 3 898 dBm		699.000	1		2 1
DH					-				4
					-				6 7 8 9 0
									9
	+				_		_		1
		STATUS							6

Band12_10MHz_QPSK_50_0_LowCH23060-704

agener ige	Oran Annyat		17			10.4.43
Center F		000000 MHz PNO: Wide -	Trig: Free Run	Aug Type: Log-Pwr	09.13.05 AM Dec 04, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW DET A NNNNN	Frequency
10 dB/div	Ref Offse Ref 30.0	iFGain:Low t 13.6 dB	#Atten: 30 dB	Mkr	1 699.000 MHz -23.47 dBm	Auto Tum
20,0 10.0						Center Free 699.000000 MH
10.00 -10.0 -20.0			- the	and the second		Start Free 698.000000 MH
40 0 50,0 60 0						Stop Free 700.000000 MH
	.000 MHz 100 KHz	#VB	W 300 kHz		Stop 700.000 MHz 000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 2 3 4 5 6 6 7 7 8 9 9 10		699.000 MHz	-23.47 dBm			Freq Offse 0H
eşa)				STATUS		1

Band12_10MHz_QPSK_50_0_HighCH23130-711

allan ibe	Organia (Britishing)					10 4 64
Center F	reg 716.0	00000 MHz	Trig: Free Run	Aug Type: Log-Pwr	09117:32 AMDec 04, 2018 TRADE 1 2 3 4 5 6	Frequency
	LET A NNNNN	1.00				
10 dB/div	Auto Tune					
20,0 10.0	_					Center Freq 716.000000 MHz
0.00					-	
-20.0			- marin			Start Freq 715.000000 MHz
40.0	-		-			Stop Free
-66 D						717.000000 MHz
Start 715 #Res BW	.000 MHz 100 kHz	#V	'BW 300 kHz	Sweep 1	Stop 717.000 MHz .000 ms (1001 pts)	CF Step 200.000 kHz Auto Man
N N		716.000 MHz	-25.83 dBm	UNCTION FUNCTION HADTH	PANETICN VALUE	Auto Mar
2 3 4		110,000 milita	40.00 0.00			Freq Offset 0 Hz
5 6 7 8 9	-					
10						
NESIS				57ATH8		

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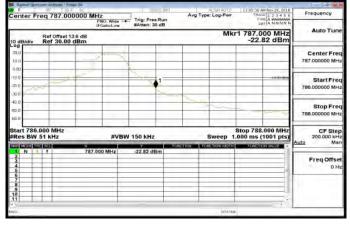
Band13_5MHz_QPSK_1_0_LowCH23205-779.5

Aginer (gennen Annynt) Teens 52			10.4
Center Freg 777.000000 MHz	ide +++ Trig: Free Run	ALIW MUTC 10:50:01 AM Nov 29, 2016 Avg Type: Log-Pwr TRADE 1 2 3 4 5 7 THE A WAYNE	Frequency
iFGain: Ref Offset 13.5 dB 10 dB/div Ref 30.00 dBm	ew #Atten: 30 dB	Mkr1 777.000 MHz -22.53 dBm	Auto Tun
20.0			Center Fre 777.000000 MH
200 200 200		1000 de	Start Fre 776.000000 MH
40.0 60.0			Stop Fre 778.000000 MH
Start 776.000 MHz #Res BW 51 kHz	¢VBW 150 kHz	Stop 778.000 MHz Sweep 1.000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
2 777.000 MH 2 3 4 5 6			Freq Offs 0 F
7 8 9 10 11			
espo i		STATUS	1

Band13_5MHz_QPSK_25_0_HighCH23255-784.5

10 4		-	_			154	a strange i i i i men	n in second	turner 1	
Frequency	11185.82 AM Nov 29, 2018 TRADE 1 2 3 4 5 6	Aug Type: Log-Pwr		oB(USIC_IN	12	0000 MH	787 00	Fren	ter	en
1.1.2	TRACE 1 2 3 4 5 6 THE A NUMBER OF A	PNC: Wide Trig: Free Run iFGain:Low #Atten: 30 dB III III III III III IIII A WWWWW				104	Rot			
Auto Tur	1 787.000 MHz -25.74 dBm	Ref Offset 13.6 dB. Mkr1 787.000 MH: 10 dB/div Ref 30.00 dBm -25.74 dBn -25.74 dBn								
Center Fre										.og
787.000000 M		-	_	-	-	-		-	-	to a
		_			V					0.00
Start Fre		-	-	1	-	-	-	-	_	10.0
786.000000 MH				-						20.0
1									1	40.0
Stop Fre 788.000000 MH			_	_	-	-		_	-	50,0
788.000000 111			_	_	-	-		-	-	6,6), D
CF Ste 200.000 kH	Stop 788.000 MHz 000 ms (1001 pts)	Sweep 1.		150 kHz	#VBW	t	MHz Hz	6.000 V 51 k	rt 78	ita Re
Auto M	P ONGET ON VALUE	FUNCTION WOTH	PONETION	-25,74 dBm	DOD MHz	787.0			N	4
Freq Offs									-	2345
					-			-	-	6
							-	-		789
					-			-	-	10
				-	-			-	- '	
		STATUS						_	_	931

Band13_5MHz_QPSK_1_24_HighCH23255-784.5



Band13_5MHz_QPSK_25_0_LowCH23205-779.5

0.4.6								134	support i Tree	()	-11	1.01
Frequency	3 AM Nov 29, 2018 ALE 1 2 3 4 5 6 THE A WWWWWW 22T A NNNNN	TRA	Type: Log-Pwr	Avg		Trig: Pre	PNO: Wide -	0000 M	77.00	req 7	er F	Cen
Auto Tuni	000 MHz	Ref Offset 13 dB Mkr1 777.000 Mkr to 88Jdiv Ref 30.00 dB -27.19 dBn -27.19 dBn										
Center Free 777.000000 MH					-		-	-	_			38.0 10.0
Start Free 776.000000 MH	rounte			1	1			-		-		0.00 -10 0 -20 0 -30 0
Stop Free 778.000000 MH												40.0
CF Ster 200.000 kH Auto Mar	8.000 MHz (1001 pts)	1.000 ms	Sweep 1			W 150 kHz	#VB	-	VIHz Hz	.000 f 51 ki	BW	#Re
Freq Offse	ation value	PM963	Pulkindk wibre	PUNCTION		-27.19 d	000 MHz	× 717.		1	N	1 234
												5 6 7 8 9 10
	- K	8	57ATU			-				44		

Band13_10MHz_QPSK_1_0_LowCH23230-782

Against Spectrum Anappet I To			A second		10.4
R 50	PNO: Wide -+	Trig: Pree Run	Aug Type: Log-Pwr	18:47:37 AM Nov 29, 2018 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 1	1 777.000 MHz	Auto Tun			
O dB/div Ref 30.00		-	-	-14.45 dBm	
20.0				~	Center Fre
10.0				1	777.000000 MH
10.0		A2 1	and	a h fin item	Start Fre
20.0	14-200	water for the second			776.000000 MH
40.0	Ne Ne Vielan				
soo manamicev	nn Wertung and				Stop Fre 778.000000 MH
60.0	-				778.000000 MF
tart 776.000 MHz Res BW 100 kHz		/ 300 kHz		Stop 778.000 MHz .000 ms (1001 pts)	CF Ste
Res BW 100 KHz	#VBV		Sweep 1		Auto Ma
NIT	777.000 MHz 776.934 MHz	-14.45 dBm			-
2 N 1 3 5 6 7 8 9 10 11	110.204 (11112	-IN.IA GUIII			Freq Offse
5					0 F
7 8					
9					
11					
ş5)			STATU		

Band13_10MHz_QPSK_1_49_HighCH23230-782

agent (personality)					
R	50 + NC	Trig: Pree Run	Avg Type: RMS Avg/Hold: 100/100	18:45 37 441 flow 25, 2018 TRACE 1 2 3 4 5 6	Frequency
	PfilO: Wide	#Atten: 30 dB	S. Martines and	DET A NNNN N	Auto Tune
10 dB/div Ref 30.			Mkr	1 787.000 MHz -14.827 dBm	Auto / Une
30.0	-				Center Free
19.0	X				787.000000 MH;
100000000	Two	123	many		Start Free
20.0		- ward	m		786.000000 MH
40.0			when		
60.0				minun	Stop Free 788 000000 MH
£0.0		_			788.00000 1111
Start 786.000 MHz #Res BW 100 kHz	#VBW	300 kHz*		Stop 788.000 MHz 000 ms (1001 pts)	CF Step 200.000 kH
MARY MADE THE SEL	×		ICTION FUNCTION WORK	FUNCTION VALUE	Auto Mar
	787.000 MHz 787.032 MHz 787.060 MHz	-14.827 dBm -13.892 dBm -13.481 dBm			Freq Offset
4 5	787.060 MHZ	-13,481 dBm			DH
6 7 8 9					
8 9					
10					
uşa I			STATUS		

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Band13_10MHz_QPSK_50_0_LowCH23230-782

agent igen	An any at 1 1			a second		0.4.63
Center Fi	req 777.0	00000 MHz PNO: Wide -	Trig: Pree Run	Aug Type: Log-Pwr	10:48:55 AM Nov 29, 2018 TRADE 1 2 3 4 5 6 TITLE A WARMANN N	Frequency
10 dB/div	Ref Offset Ref 30.00	IFGain:Low	#Atten: 30 dB	Mk	r1 777.000 MHz -22.84 dBm	Auto Tun
20.0 10.0	_					Center Fre 777.000000 MH
0.00			1		1000160	Start Fre 776.000000 MF
40 0 50,0						Stop Fre 778.000000 MH
Res BW		#VB	W 300 kHz	Sweep 1	Stop 778.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kF Auto Mi
1 N 1		777.000 MHz	-22.84 dBm			Freq Offs 0 F
2 3 4 5 6 7 7 8 9 9 10 11						-
, 1921				STATU	s	

Band14_5MHz_QPSK_1_24_HighCH23355

10.4			ALTON WITC		19-101	1	_	134	man i Terr	ай — Д)	allowed the	- 0.9
Frequency	1 2 3 4 5 6 A WWWWW T A NNNN N	TRAC	: Log-Pwr	Avg Ty		1200	Z NO: Wide -	0000 MH	98.00	Freq 7	ter	Cen
Auto Tur						#Atten: 3	Galis:Low	4	-		_	_
10044 (40	76 dBm	r1 798.0 -21.	МК						Offset 13 30.00		B/div	10 d
Center Fre				-	-		-	-	_	_	1	30,0
798.00000 MH	-	-		-				1		-	-	10.0
1 - C.A.S.	amite					- Dec		2				10.00
Start Fre 797.000000 Mi				1	1	1			1000			20.0
		- 3.4	Un A	A.M.	No.		-	-		-	1	30.0
Stop Fre	NIV	WVV	200									40.0
799.000000 MH	CX C									_	11	-60.0
CF Ste	.000 MHz	Stop 799	-				-			7.000		
200.000 kH Auto Mi		1.000 ms (_	_	/ 150 kHz	#VB	_		/ 51 k	-	
	ON WALVE	PUNCTS	ALTION MUTH	ICTION TO P		-21.76 di	0 MHz	798.0			N	1
Freq Offs			_	-	-		-		-		-	234
0)	-	-	-		-		-		-	-	-	5
									_		-	7 8 9
			_	_			-		-			10
_	- F.	1					_		-	1	-	11
		18-	STATUS									55

Band13_10MHz_QPSK_50_0_HighCH23230-782

Against Spectrum Armyth / Trees.	154	SERVE IN	A DRIVEN DE	18:49:15 AM Nov 29, 2018	10 4 63
Center Freq 787.000	000 MHz	Sec. Sec. Sec.	Avg Type: Log-Pwr	TRADE 1 2 3 4 5 6	Frequency
Ref Offset 13.		#Atten: 30 dB	Mk	Auto Tun	
20.0 10.0					Center Free 787.000000 MH
0.00 -10.0 -20.0		•			Start Fre 786.000000 MH
40 0 60,0 60 0					Stop Free 788.000000 MH
Start 786.000 MHz #Res BW 100 kHz		N 300 KHz		Stop 788.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
Bits F 2 7 3 8 4 5 6 7 7 8 9 10 11	× 787.000 MHz	22.81 dBm	dire tean	1497611971192400 	Freq Offse
esis :			STATU	1	

Band14_5MHz_QPSK_1_0_LowCH23305

Frequency	01110.36 PM Nov 29, 2018	ALDH WITC		oBN56.IIII		TR	- 150-	R.
rinquency	TRACE 1 2 3 4 5 6	Type: Log-Pwr	Avg	Trig: Free Run	Wide	PNC	eq 788.000	enter Fr
Auto Tun				#Atten: 30 dB	dis:Low	iFGa	_	
Auto Tun	-21.56 dBm	Mkr	-	6 dB Bm	Ref Offset 13 Ref 30.00 c	0 dB/div		
Center Fre				_				30,0
788.000000 MH		1	1		_		-	10.0
		1	1				-	0.00
Start Free 787.000000 MH				1 ¹				20.0
787.000000 MH				-				30.0
Stop Fre		_					-	40.0
789.000000 MH							-	50,0
			-	-	-			E(D) D
CF Ster 200.000 kH	top 789.000 MHz			150 kHz	#VBW			Res BW
Auto Ma	PUNCTION VALUE	FUNCTION MIDTH	PONCTION	Y	-	x		NOTE TO
Freq Offse			_	-21.56 dBm	MHX	788,000	1	1 N 1
DH					-			2 3 4
1	1				-			6
1.1					_		_	8
								5 6 7 8 9
	1							1 ×
		STATUS						60)

Band14_5MHz_QPSK_25_0_LowCH23305

10 4 6		-				134	n myent i Terre	a)	4 mar 14	1	
Frequency	011218 0404 29,2038 TRACE 1 2 3 4 5 6 THE A WWWWW LET A NNNNN	Type: Log-Pwr		Trig: Free Run	Z NO: Wide	0000 MH	788.000	req 7	nter	Cer	
Auto Tun	788,000 MHz	If Calini Low #Atten: 30 dB ETIA MM/I N Ref Offset 13 5 dB Mkr1 788.0000 MHz 10 dBddiv Ref 30.00 dBm -27.80 dBm									
Center Fre 788.000000 MH			-				30.00	Rei		.og 39.0 19.0	
Start Fre 787.000000 MH	1000100		1	•1-						10.00	
Stop Fre 789.000000 MH										40 0	
CF Ste 200.000 kH Auto Ma	top 789.000 MHz 00 ms (1001 pts)	Sweep 1.	-	150 kHz	#VBW		Hz	7.000 I 51 ki	es BV	Re	
Freq Offse 0 H				-27.80 dBm	0 MHz	788.00		1 1	N	23	
1										4 5 6 7 8 9 10 11	
		STATUS						_	_	45/5	

Band14_5MHz_QPSK_25_0_HighCH23355

10 4 1				_				134	styles (The	(i á)	and the	a
Frequency	TRACE 1 2 3 4 5 6 TRACE A WWWWW	81117:43 TR	Type: Log-Pwr	Av	rig: Free Run		Hz PNO: Wide -	0000 M	98.00	req 7	ter F	Cer
Auto Tun					Atten: 30 dB	2	iFGain:Low		_		_	_
	8.000 MHz 26.24 dBm	-26	MK						Offset 1 30.00		Bidiv	10 d
Center Fre	-	-	_	_	_	-		-		-	1	30,0
798.00000 MH	-	-	-					-			-	10.0
-						1						-10.00
Start Fre 797.000000 MH					-1-	1	-	-	_	-	-	20.0
						-	-	-		-		30.0
Stop Fre												40.0
799.000000 MH	-				-		-	-	_	-	11-	-60.0
CF Ster 200.000 kH	799.000 MHz is (1001 pts)				0 kHz	BW	#VB	-			t 797 s BW	
Auto Ma	NOTION MALLE	PLOT	TUNCTION MOTOR	PUNCTION	6.24 dBm	-	000 MHz	×			N	1998
Freq Offse 0 H					9.24 Signi		CUSO META					2345
							-		_		=	56789
												10
	+		STATUS			-				-		*
			Philoso								-	

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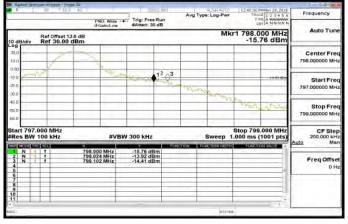
Band14_10MHz_QPSK_1_0_LowCH23330

10.4			-			_		anymi) —	-	times 1	- 01
Frequency	MNov 29, 2018	TRAC	ALDIN WITCHE: Log-Pwr		Serise II			5.4 -			R R
Auto Tur	ANNNNN		-	-	#Atten: 30 dB	O: Wide	PN				-
Auto Tur	00 MHz 25 dBm	r1 788.0 -14.3	Mk			_	6 dB Bm	f 30.00 d	Re	B/div	10 d
Center Fre		~		-			_				30,0
788.000000 MI	-	1	1					<u> </u>	-		10.00
StartFre	· Low			mart	A4 /3 1	_					10.00
787.000000 MH			-		parter	12	_			-	20.0
A CONTRACTOR OF			-				in the		-	-	30.0
Stop Fre							Mar - 1	mon word	Des	A	40.0
789.000000 MH	-		-	-	-			-	-	-	60 D
CF Ste 200.000 kF		Stop 789.		-	300 kHz				7.000 V 100		
Auto Ma	IN WALLE	FUNCTIO	NUTION WIDTH	PRINCIPANI:	-14.25 dBm	Mile	X 788.000			N	-9
Freq Offs				-	-13.67 dBm -13.96 dBm -14.86 dBm	MHz MHz	787.958			NNN	234
97	-	8							-	-	5
	_									_	6 7 8 9
						-		-		-	9 10 11
	- F.			-	-			+	-	-	, 11
		5	57ATU8							_	55

Band14_10MHz_QPSK_50_0_HighCH23330

R	Annyat (1	Li Te .	SERIESE INI	ALIMANTO	12/40/45 PM Nov 29, 2018	Frequency
Center F	req 798.0	00000 MHz PNO: Wide -	Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Prequency
10 dB/div	1 798.000 MHz -26.31 dBm	Auto Tun				
20,0 10.0	Ref 30.0					Center Fre 798.000000 MH
0.00 -10.0 -20.0			·····•		comiga	Start Fre 797.000000 MH
-40 0 -40 0 -60 0 -60 0						Stop Fre 799.000000 MH
	.000 MHz 100 kHz	#VB	W 300 kHz		Stop 799.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
1 N 2 3 4 5 6	1	798.000 MHz	-26.31 dBm			Freq Offse 0 H
7 8 9 10 11						-
15/5				57A TB3		

Band14_10MHz_QPSK_1_49_HighCH23330



Band14_10MHz_QPSK_50_0_LowCH23330

agment (perto	Annyati	a la	DERING IN		12:39:49 PMNov 29, 2038	10 4 63				
enter Fr		0000 MHz PNO: W	Trig: Free Run	Avg Type: Log-Pwr	TRACE 123456	Frequency				
10 dB/div	Ref Offset 1 Ref 30.00	3.6 dB	ow extent 30 dB	Mkr1 788.000 MHz -23.90 dBm						
20,0 10.0	_					Center Free 788.000000 MH;				
0.00 10.0 20.0			- h	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	.000.00	Start Free 787.000000 MH:				
40 0 50,0 60,0						Stop Free 789.000000 MH				
Start 787.0	100 kHz	*	VBW 300 kHz		Stop 789.000 MHz .000 ms (1001 pts)	CF Step 200.000 kH; Auto Mar				
1 N 1 2 3 4	1	788,000 MH	z -23.90 dBm			Freq Offset 0 Ha				
5 6 7 8 9 10 11										
eșa)				57ATU	-					

Band17_5MHz_QPSK_1_0_LowCH23755-706.5

10 4 4				_	-	-	-	134	stream i Trea	100 ma	planet 15	a (
Frequency	SBIDJ AMDEC M, 2018 TRACE 1 2 3 4 5 6 THE A WWWW	Pwr	ALIGHT	A	e Run	Trig: Pre	O: Wide	0000 MHz	04.00	Freq	nter	Cen		
Auto Tune		Mkr1 704.000 MHz							IFGain:Low Ref Offset 13.5 dB 10 dB/div Ref 30.00 dBm					
Center Free 704.000000 MH	_		-	7							-	30,0 10.0		
Start Free 703.000000 MH		200		4	1=	- 3				_	-	0.00 10.0 20.0		
Stop Free 705.000000 MH	_	-	-				_			~~	~	40 0 50,0 60.0		
CF Stej 200.000 kH Auto Ma	705.000 MHz ms (1001 pts)	p 1.00	Swee			150 kHz	#VBW		Hz	3.000 V 51 k	s BV	Re		
Freq Offse 0 H					Bm	-21.30 d	MHZ	704.00		1 1	N	1234		
												5 6 7 8 9 10 11		
		STATUS	-							_		, 165		

Band17_5MHz_QPSK_1_24_HighCH23825-713.5

10.4	18/81/168 4M/Dec 04, 2018	ALIWANTO		1 séries in	_	194	Annyati	Sumo Marco	
Frequency	TRACE 1 2 2 4 5 6	Type: Log-Pwr	Avg	Trig: Free Run	2	0000 MH	q 716.00	nter Fr	er
	LET A NNNN N	-		#Atten: 30 dB	NO: Wide	iFi			_
Auto Tun	1 716.000 MHz -19.96 dBm	Mkr			1		Ref Offset 13 Ref 30.00	B/div	10 d
Center Fre		_	_	_		-	_		39,0
716.000000 MH		-		_	X	1	-		10.0
1-				× 1-		N			10.00
Start Free 715.000000 MH			_	1			-	-	20.0
		-	-	n-	-	-	-	1	30.0
Stop Fre		- and							40.0
717.000000 MH			_				-	11-	60.0
CF Step 200.000 kH	Stop 717.000 MHz 000 ms (1001 pts)	Sweep 1.		150 kHz	#VBW		00 MHz	t 715.	
Auto Ma		никстюх мотн	PUNCTION			×	1000	MOTO DES	-11
Freq Offse				-19.96 dBm	O MHZ	716.00		N	23
DH			_		-			-	4
			_						56789
					_		_	-	9 10
					_		_		11
		STATUS							50

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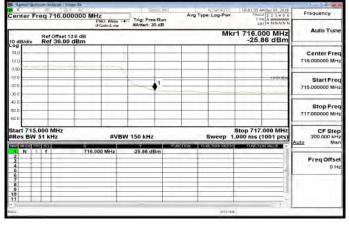
Band17_5MHz_QPSK_25_0_LowCH23755-706.5

against spec	(International Constant of Con	Trong a Sa	anse mi	ALIMANTE	00158151 AMDec 04, 2018	10.4
Center F	req 704.0	000000 MHz	and the second second	Avg Type: Log-Pwr	TRACE 1 2 2 4 5 6	Frequency
		PNO: Wide * IFGain:Low	#Atten: 30 dB		LET A NNNN N	
10 dB/div	Ref Offse Ref 30.0			Mk	r1 704.000 MHz -29.26 dBm	Auto Tun
20.0	-					Center Fre
0.00				0	com de	
20.0			1-	4		Start Fre 703.000000 MH
40.0						Stop Fre
60,0 60,0						705.000000 MH
start 703 Res BW	.000 MHz 51 kHz	#VB	W 150 kHz	Sweep 1	Stop 705.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH
		704.000 MHz	-29.26 dBm	FUNCTION FUNCTION WOTH	FUNCTION VALUE	Auto Ma
2		104.000 HE14				Freq Offse
4 5 6 7 8 9 10	-					
10			-			
196				STATU		

Band17_10MHz_QPSK_1_49_HighCH23800-711

R R	RI	délastim	ALIMINATE Avg Type: RMS	19(51 53 4MDec 64, 2018 TRACE 1 2 3 4 5 6	Frequency
	PtiO: Wide +• FGaintLow	#Atten: 30 dB	Avg[Hold: 100/100	LET A MUNICIPAL	1
Ref Offset Ref 30.0	1 716.000 MHz -13.662 dBm	Auto Tune			
-og 310 199	-				Center Fre 715.000000 MH
0.00	No.		m	2000-194	Start Fre
30.0 40.0 50.0			man.	mon	Stop Fre
Start 715.000 MHz Res BW 100 kHz	#VBV	V 300 KHZ*	Sweep 1	Stop 717.000 MHz 000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
T N F 2 N F 3 4	716.000 MHz 716.048 MHz	-13,562 dBm -13,293 dBm	neteni - Luxenon Muhi	O MORTON VALLE	Freq Offs
5 6 7 8 9					
			57A TUB		

Band17_5MHz_QPSK_25_0_HighCH23825-713.5



Band17_10MHz_QPSK_1_0_LowCH23780-709

R SU		offilia IIII	ALEMANUE	09148305 AMULLET AL	10.4.83
	PtiO: Wide	Trig: Free Run	Avg Type: RMS Avg/Hold: 100/100	TRACE 123456	Frequency
	iFGain:Low	#Atten: 30 dB		and a second sec	Auto Tune
Ref Offset			Mki	1 704.000 MHz -13.328 dBm	Hato / un
20.0					Center Freq
19.9					704.000000 MHz
0.00		1	manner	- marine	
20.0					Start Freq 703.000000 MHz
30.0	manno				
40.0	stand the second				Stop Freq
60.0					705.000000 MHa
Start 703.000 MHz				Stop 705.000 MHz	CF Ster
Res BW 100 kHz	#VE	W 300 kHz*	Sweep 1	.000 ms (1001 pts)	200.000 kH
	704,000 MHz	-13,328 dBm	NETION: PUNCTION WDIN	PUNCTION VALUE	CINIS (I'V
2 3 4					Freq Offset
4 5					0 Hz
5 7					
5 6 7 8 9 9 10					
11					

Band17_10MHz_QPSK_50_0_LowCH23780-709

against the	0	1 Transit Sa							10 4 63
Center F	req 704.	000000 MHz	Ido Trig: Fr	ee Run		Log-Pwr	09148 54 AMDec TRACE 1 TIME A 1 LET A 1	04,2018 23456	Frequency
10 dB/div	MHz	Auto Tuni							
og 20,0 10.0		.00 dBm							Center Free 704.000000 MH
0.00			-	1 more	and the	1			Start Free 703.000000 MH
30.0 40.0 50.0									Stop Free 705.000000 MH
	000 MHz		¥VBW 300 kH		NCTION 1 FOR	Sweep 1.	Stop 705.000 000 ms (100	1 pts)	CF Stej 200.000 kH Suto Ma
1 N 234	1	704.000 MH	26.29						Freq Offse 0 H
5 6 7 8 .9 10									
4 165						STATUS		+	

Band17_10MHz_QPSK_50_0_HighCH23800-711

Frequency	123 400ec 64, 2038	og-Pwr	Avg Type:	e Run	Sec. Sec.	Z NO: Wide	0000 MH	16.00	1.1	2	R R	
Auto Tune	716.000 MHz	Raline d		#Atten: 30 dB			iFGaintLow Ref Offset 13.6 dB					
	-24.96 dBm	IVIR 1				_	dBm	Offset 13 30.00	Ref	Bidiv	10 d	
Center Fre								_			30,0	
716.000000 MH				-				-	_		10.0	
1	comites.										10.00	
Start Fre 715.000000 MH				1		Mato	-	_		_	20.0	
						-	-		-		30.0	
Stop Fre						1.1					40.0	
717.000000 MH		_			_				_		-60.0	
CF Ste 200.000 kH	op 717.000 MHz 0 ms (1001 pts)	Sieep 1.0	s	_	300 kHz	#VBW			5.000 V 100			
Auto Ma	PANETICN VALUE	ON WIDTH	ION FUNC		Y	-	×	-	TAXE PLAT	MOTO	199	
Freq Offse				Bm	-24.96 dE	0 MHz	716.00		1 1	N	23	
DH				_					-		4	
				_						_	56789	
			_	_		_		-	-	-	89	
								_	1		10 11	
		STATUE								_	* 653	

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Band25_1_4MHz_QPSK_1_0_LowCH26047-1850.7

Aginor (persons Anaryse) Tor	1 Sa				10 4 4							
Center Freq 1.8500	00000 GHz	Trig: Free Run	Avg Type: Log-Pwr	12.46:50 PM Dec 04, 2018 TRACE 1 2 3 4 5 6 TITLE A WWWWW	Frequency							
	Ref Offset 139 dB Mkr1 1.850 000 GHz											
10 dB/div Ref 30.00	dBm		T T	-21.43 dBm								
20,0 +		_	~		Center Fre 1.85000000 GH							
10.00 -107.0 -20.0		14			Start Fre							
30.0												
4D 0 6D 0					Stop Fre 1.851000000 GH							
itart 1.849000 GHz Res BW 20 kHz	×		Sweep 2	Stop 1.851000 GHz .067 ms (1001 pts)	CF Ste 200.000 kH Auto Ma							
1 N 1 T 2 3 4 5	1,850 800 GHz	-21.43 dBm			Freq Offse							
6 7 8 9			_									
11		~	STATU	+								

Band25_1_4MHz_QPSK_6_0_HighCH26683-1914.3

10.4 6			_	1 dense m		411) Sa	Common Statistics	man illus	- ay		
Frequency	12:50:47 PM Dec 84, 2018 TRACE 1 2 3 4 5 6	ype: Log-Pwr	Avg		nter Freg 1.915000000 GHz		Sen				
	LET A NNNN N			Trig: Free Run #Atten: 30 dB	PNO: Wide = IFGain:Low			_			
Auto Tun	1.915 000 GHz -19.96 dBm	Mkr1			Ref Offset 13.9 dB dBJdiv Ref 30.00 dBm						
Center Fre			_		_		_	1	.og		
1.915000000 GH				-		-		1	10.0		
		_						1	0.00		
StartFre		-		1	-	-	-	1.	-10.0		
1.914000000 GH		-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-					30.0		
				_				-	40.0		
Stop Fre 1.91600000 GH		-		-	-	-	_	-	60,0		
1.81000000 01		-	_	-	-				-6,0 D		
CF Ste 200.000 kH Auto Ma	top 1.916000 GHz 067 ms (1001 pts)	Sweep 2.		62 kHz	#VB	Hz	4000 GI 20 kHz				
Auto Ma	PUNCTION VALUE	FUNCTION WOTH	PONCTION:	-19.96 dBm	5 000 GHz	*		N			
Freq Offse				-19.96 0.00	5 000 GHZ	1,815			2		
D H								-	4		
								-	6		
								-	8		
								-	10		
	- H .								1		
		STATUS						-	50		

Band25_1_4MHz_QPSK_1_5_HighCH26683-1914.3

R 50 Center Freg 1.91500000	GH2	ALTUN M	ME TRACE 122456	Frequency
Senter Freq 1.5 1566666	PNO: Wide Trig: Free R IFGain:Low #Atten: 30 d	8	LET A NNNN N	
Ref Offset 13.9 dB 10 dB/div Ref 30.00 dBm		MK	r1 1.915 000 GHz -19.38 dBm	
30.0 10.0				Center Free 1.915000000 GH
0.00		_		Start Free
30.0				1.914000000 GH
40.0				Stop Fre 1.916000000 GH
500 Start 1.914000 GHz #Res BW 20 kHz	#VBW 62 kHz	Sweep	Stop 1.916000 GHz 2.067 ms (1001 pts)	CF Ste 200.000 kH
NOT MALES THE SHE	15 000 GHz -19,38 dBm	PUNCTION FUNCTION WE	PUTETONVAUE -	Auto Ma
2 3 4 5				Freq Offse
5 6 7 8 9 10 11				
			+	
8(5)		577	A TLUB-	

Band25_1_4MHz_QPSK_6_0_LowCH26047-1850.7

Agines (gennes Arrayer) hours 54		ADDONIC	12.47/42/07/042 04.2018	10.4.83
Center Freq 1.85000000	PNC: Wide Trig: Free Run	Avg Type: Log-Pwr	TRACE 123456 THE A WWWWW	Frequency
Ref Offset 13.9 dB	iFGain:Low #Atten: 30 dB	Mkr1 1	.850 000 GHz -28.28 dBm	Auto Tune
31,0 10.0				Center Free 1.85000000 GH
0.00 18 0 20 0			-1000165	Start Free 1.849000000 GH
				Stop Free 1.851000000 GH
itart 1.849000 GHz Res BW 20 kHz	#VBW 62 kHz		op 1.851000 GHz 67 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
N 7 1,85 23 4 5 6 7 7 8 9 00	0 000 GHz -28,28 dBm			Freq Offse 0 H
8 9 10 11				

Band25_3MHz_QPSK_1_0_LowCH26055-1851.5

Against Spectrum Analysis Tomas Sa		and the second second		10 4 103
Center Freq 1.850000000 GHz	de Trig: Free Run	Aug Type: Log-Pwr	12.38.06 PM Dec 04. 2018 TRACE 1 2.3.4.5.6 TIME A WWWWWW	Frequency
IFGain Ref Offset 13.9 dB 10 dB/div Ref 30.00 dBm	ow #Atten: 30 dB	Mkr1	1.850 000 GHz -17.25 dBm	Auto Tune
- 0g 28.0 10.0	7			Center Free 1.850000000 GH
0.00 10:0 20:0 30:0		12-		Start Free 1.849000000 GH
				Stop Fre 1.851000000 GH
Start 1.849000 GHz Res BW 39 kHz	¢VBW 120 kHz	Sweep 1	Stop 1.851000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 1 1,850 000 G	-17.25 dBm			Freq Offse
3				
e la		STATU	· ·	1.

Band25_3MHz_QPSK_1_14_HighCH26675-1913.5

10 4 2	12.4.1.08 PH Dec 04, 2018	ALINAMIC	_	-805-00	-				(m)	A spinster of the	-
Frequency	TRACE 1 2 3 4 5 6 THE A WWWWW	Type: RMS told: 100/100	A		Jav	PNO: Wide -		1 50 1		_	в
Auto Tun	DET A NNNNN			30 dB	#Atten:	FGain:Low	- 4				-
AutoTun	1.915 000 GHz -13.269 dBm	Mkr1						Offset 13 f 30.00		B/div	0 d
Center Free				-					_		20.0
1.915000000 GH					1	1					19.9
Start Free		_	_	1	5	1	1	_	_		10.0
1.914000000 GH			~	1		-	Ĩ	~~~	~	-	0.0
Stop Free	~	1-		-	-	-	-	_	_		40.0
1.916000000 GH											50,0 60,0
CF Ste	top 1.916000 GHz		_				-		14000	1 1.9	ta
200.000 kH Auto Ma	.000 ms (1001 pts)	Sweep 1		iz*	W 120 kH	#VB	×		V 39 k	-	
				dBm	-13,269 (00 GHz	1,915.0		1	N	
Freq Offse				-					-	-	34
		2		-		-				-	5
				-		_			-		7 8
		_				-					2345678910
					-				-		
	1	STATUS							_	-	95

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Band25_3MHz_QPSK_15_0_LowCH26055-1851.5

against passions	Annyat I have 54					10 4 23
Center Fred	1.850000000	GHz PNO: Wide	Trig: Free Run	Aug Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
10 dB/div R	1.850 000 GHz -25.66 dBm	Auto Tun				
20,0 10.0			_			Center Fred 1.850000000 GH;
-10.00 -20.0			•		and the	Start Fred 1.849000000 GHz
40.0						Stop Free 1.851000000 GH
Start 1.8490 #Res BW 39	kHz	#VBW	120 kHz		Stop 1.851000 GHz 1.000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 1 2 3 4		000 GHz	-25.66 dBm		-	Freq Offse 0 H
5 6 7 8 9 10 11						
1455				STATU		

Band25_5MHz_QPSK_1_24_HighCH26665-1912.5

agam ige	Communication and American Street	14				10 4 63
Center F	reg 1.91500	PNO: Wide -	Trig: Pree Run	Aug Type: Log-Pwr	18/49/39 AMDec 64, 2038 TRACE 1 2 3 4 5 6 Trite A WWWWW DET A NNNNN	Frequency
10 dB/div	Ref Offset 133	iFGain:Low	#Atten: 30 dB	Mkr1	1.915 000 GHz -18.79 dBm	Auto Tun
20,0 10.0						Center Fre 1.915000000 GH
0.00 -10.0 -20.0	_	~			andrage	Start Fre 1.914000000 GH
-40.0 -60.0 -60.0					~~~~~~	Stop Fre 1.916000000 GH
Start 1.91 #Res BW		#VB	W 150 kHz	Sweep 1	Stop 1.916000 GHz .000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
1 N 2 3 4 5		1,915.000 GHz	-18.79 dBm			Freq Offse 0 H
6 7 8 9 10				_		
ueșo)				STATU	() 	

Band25_3MHz_QPSK_15_0_HighCH26675-1913.5

Against Stationer Statistics I See 54		L SEASE MAL	ALIGH WAYO	12.4.1.34 PH Dac 04, 2018	10.4.63
Center Freq 1.91500000	GHz	rig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
Ref Offset 139 dB 10 dB/div Ref 30.00 dBm	PNO: Wide	Atten: 30 dB	Mkr1	1.915 000 GHz -20.61 dBm	Auto Tuni
					Center Free 1.915000000 GH
0.00 -10.0 -20.0		•			Start Fre 1.914000000 GH
40 0 40 0 60,0					Stop Fre 1.916000000 GH
Start 1.914000 GHz #Res BW 39 kHz	#VBW 12	10 kHz		Stop 1.916000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
2 3 4	15 000 GHz 🗧	20.61 dBm	NETION NUMBER	PLANETICK VALUE	Freq Offse
5 6 7 8 9 10 11					
* 1855			STATU	* *	

Band25_5MHz_QPSK_1_0_LowCH26065-1852.5

Frequency	AMDec 64, 2018 CE 1 2 3 4 5 6 E A WWWWWW 2T A NNNNN	10:46:27 A	ALBUMANTO Type: Log-Pwr	Avg	Run	2	Hz PNO: Wide -+	00000	.8500	req 1.	ter F	en 8
Auto Tun	93 dBm	1.850 0	Mkr1	-	dB	#Atten: 30	PNO: Wide ++- FGain:Low	3.9 dB	Offset 1: 30.00	Ref		10 di
Center Fre 1.85000000 GH			-		-				30.00	Rei	sidiv	28.0 10.0
Start Fre 1.849000000 GH		2		2	12	_						0.00 -10.0 -20.0
Stop Fre 1.851000000 GH				-		-			~	-		40 0 60,0 60.0
CF Ste 200.000 kH Auto Ma	1000 GHz (1001 pts)	.000 ms (Sweep 1		_	150 kHz	#VBW	-		9000 51 kH	BW	#Re
Freq Offse 0 H				1012/1-		-21.93 dB	00 GHz	1,850		T	N	1 2 3 4 5 6 7 8 9 10 11
			STATU									60

Band25_5MHz_QPSK_25_0_LowCH26065-1852.5

all mer the	An any other	Transport State			-		-			10 4 23
Center F	req 1.85	0000000 GH	O: Wide	Trig: Pree	Run	Avg Ty	pe: Log-Pwr	18:47:18 TRA	4MDec 64, 2018 CE 1 2 3 4 5 6 RE A WWWWWW 2T A NNNNN	Frequency
10 dB/div		iFG et 13.9 dB 00 dBm	alin:Low	#Atten: 30	dB		Mkr1	1.850 0	000 GHz 11 dBm	Auto Tune
39.0 19.0	_		-							Center Free 1.850000000 GH
0.00 -10 0 -20 0 -36.0					1-	1				Start Fred 1.849000000 GH:
40 0 60,0 60,0										Stop Free 1.851000000 GH
Start 1.84 Res BW		z	#VBV	V 150 KHz				.000 ms	1000 GHz (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 2 3 4 5 6 7 7 8 9 9 10	1	1,850.000	GHz	-29,11.dB						Freq Offse 0 H
8 9 10 11										
1655							STATE			

Band25_5MHz_QPSK_25_0_HighCH26665-1912.5

against the	Oncer An experience					10 4 63
Center F	reg 1.915	000000 GHz	SERIE IVI	Aug Type: Log-Pwr	18:58:67 AMDec 64, 2838 TRACE 1 2 3 4 5 6 THE A WWWWW DET A NNNN N	Frequency
		PNO: Wide iFGain:Low	#Atten: 30 dB		LET A NNNN N	1.0
10 dB/div	Ref Offset Ref 30.0			Mkr1	1.915 000 GHz -24.31 dBm	Auto Tune
20,0 10.0	_					Center Fred
0.00			1			
-20.0			1			Start Fred 1.914000000 GHz
40.0	-					Stop Free
-60 D						1.916000000 GH
Start 1.9 #Res BW	4000 GHz 51 kHz		W 150 KHz	Sweep 1	Stop 1.916000 GHz .000 ms (1001 pts)	CF Step 200.000 kH
		1,915 000 GHz	-24.31 dBm	NCTION FUNCTION WOTH	FUNCTION VALUE	Auto Mar
2 3 4		1,915,000 GHz	-24-31 06m			Freq Offset 0 Hz
5 6 7 8 9						
10				_		
650				STATU		

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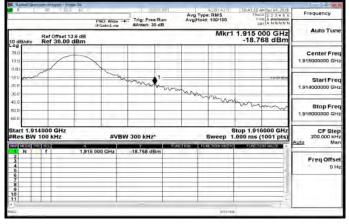
Band25_10MHz_QPSK_1_0_LowCH26090-1855

10.4					-			13	iyati i Sindi	н — <u>А</u> н	ann i Ban	0.1
Frequency	1 2 3 4 5 6 A WWWWW	TRAC	Log-Pwr		Run	1	NO: Wide	15	1903	8	-	R
Auto Tun		ir GaintLow Potter. So the								_		
Auto Tur	00 GHz 39 dBm	1.850 0	Mkr1				100		Offset 13 30.00 c		3/div	0 dE
Center Fre		-						_		-	1	30,0
1.85000000 GH		1	1.			-	-		-	-		taa
	25 Marine			and?	1			-				0.00
Start Fre 1,849000000 GH					and and a	- mar		_				20.0
	_	_	_			~	and a	a- www	-	-		0.0
Stop Fre							-		. N	-	-	40.0
1.851000000 GH			-									50,0 60,0
CF Ste	1000 GHz			-		1000					t 1.84	
200.000 kF Auto Ma	1001 pts)					300 kHz	#VBN		Hz	-	s BW	_
	IN VALUE	PLONGIN	- HONOWISTIN	CTION: NUM	3m	-16.39 dE	0 GHz	1,850 00		11	N	
Freq Offse	_			-	\$m	-14.38 dE	2 GHZ	1,849 99			N	3 4
		-			-		-				-	5
	_	-		_	-		_				-	789
				-	-		-			+ +		10
J	- F.						1			1	-	
		-	STATUS									95°

Band25_10MHz_QPSK_50_0_HighCH26640-1910

Center Freq 1	.915000000 GHz PNO: Wide IFGain:Low	Trig: Free Run #Atten: 30 dB	Aug Type: Log-Pwr	18/41/44 AMDec B4, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW LET A NNNNN	Frequency
10 dB/div Ref	Offset 13.9 dB 30.00 dBm		Mkr1	1.915 000 GHz -22.42 dBm	Auto Tun
20.0					Center Fre 1.915000000 GH
0.00 10.0 20.0		······		101010	Start Fre 1.914000000 GH
40.0 60.0 60.0					Stop Fre 1.916000000 GH
Start 1.914000 Res BW 100		3W 300 KHz		top 1.916000 GHz 000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
N 1 7 2 3 4 5 6 7	1,915.000 GHz	-22.42 dBm			Freq Offse 0 H
8 .9 10 11					

Band25_10MHz_QPSK_1_49_HighCH26640-1910



Band25_10MHz_QPSK_50_0_LowCH26090-1855

Gigmen (gen	An any party of the	Tomas Sa		SERVE		ALIUNA		1.37:24 AMDec 64, 2018	10.4 63
Center F		0000000 G	HZ NO: Wide	The second	un .	Avg Type: Log-	PWF	TRACE 1 2 3 4 5 1	Frequency
10 dB/div	Auto Tune								
30,0 10.0	_	-							Center Free 1.85000000 GH;
0.00			im		200-200	-			Start Fred 1.849000000 GH:
40 0 50,0 60 0									Stop Fred 1.851000000 GHz
Start 1.84 #Res BW	_	*	#VB	N 300 KHZ	PUNCTR		p 1.000	1.851000 GHz ms (1001 pts)	
1 N 1	1	1,850.00	00 GHz	-26.11 dBn					Freq Offse 0 Ha
5 6 7 8 9 10 11									
895						-	TATUS		-

Band25_15MHz_QPSK_1_0_LowCH26115-1857.5

10 4 1		-								and they	
Frequency	1 AM DOC 64 2018	TR	e: RMS 1: 100/100	Avg T	Brise IIII	1.51.5		RI	- 50	1	
1.5.2.3	LET A NUMBER		Carl Creation	externa in		#Atten: 3	PNO: Wide = FGain:Low	1			
Auto Tun	000 GHz 852 dBm		Mkr1	~					Ref Offset Ref 30.00	BJdiv	10 0
Center Fre		1		-			-	-	-		20.6
1.850000000 GH		1	1	1			1				19.6
Start Fre			where we	nowing	1	4	-	_		_	100
1.849000000 GH					A.V	Anna Maria	a way many	that barnet	www.	am	201
Stop Fre	-	-		-	-		-	-	-	-	40.0
1,851000000 GH										-	60.0 60.0
CF Stel 200.000 kH	51000 GHz s (1001 pts)					W 620 KHz	#VB		000 GHz		
Auto Ma	CTION VALUE	PLONG	NUTION INTER	METEN .		Ŷ		x		MALINE IN	-
Freq Offse				_		-13.852 d -13.262 d	86 GHz	1,850 0	1	NN	23
DH					-		-			-	4
		12	-		-		-			-	4567890
							_			-	8
											10
	- X.	-	-						k	-	
		6	STATUS							-	\$0)

Band25_15MHz_QPSK_1_74_HighCH26615-1907.5

104		The state							Annyati	and Mexicon	- Q.J.
Frequency	4MDec 64/2038	TRA	ALIMANTO pe: RMS d: 100/100		Rin	124.47	WO: Wide -	RI	5,0	1	R R
	ET A NNNNN		0. 100 100	a subject	0 dB	#Atten: 3	GaintLow	1			
Auto Tun	Ref Offset 13.9 dB Mkr1 1.915 000 GHz debdiv Ref 30.00 dBm -22.728 dBm										10 de
Center Fre				-			-	-	1	_	30.0 19.0
1.915000000 GH			1 1	1		-		X			0.00
Start Fre		-	-	-	1=	-	Anter a	No.	-	_	100
1.914000000 GH	Avanto			MAN	www	Journa	1. Are	-			20.0
	Montan	month	Ann P	- Area							40.0
Stop Fre 1.916000000 GH	an she y	-		-			-				50.0 60.0
CF Ste	6000 GHz	Plan 1.01	-		-		1		OD CH-	1.9140	
200.000 kH Auto Ma	(1001 pts)	1.000 ms				620 kHz	#VB			BW 20	
CINE IN IN	ICIN VIALLINE	H DUNKI	UNCTION INDIA	94014041 - L		-22.728 di	00 GHz	1,915.0		N N	
Freq Offse									-		2 3 4
DH	-		-	-	-		-		-		4 5
		-			-				-		7
			-		-				-		5 6 7 8 9 10
			_		-	-			1		11
		10	STATE								6,5

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Band25_15MHz_QPSK_75_0_LowCH26115-1857.5

against Spenter						10 4 113
Center Fre	eq 1.85000000	0 GHz	Trig: Free Run	Avg Type: Log-Pwr	10.28 As AMDec 01, 2038 TRACE 1 2 3 4 5 6 Tree A WWWWWW CET A NN NN N	Frequency
10 dB/div	Ref Offset 13.9 dB Ref 30.00 dBm	iFGainsLow	#Atten: 30 dB	Mkr1	1.850 000 GHz -22.39 dBm	Auto Tune
20,0 10.0						Center Free 1.850000000 GH
0.00 -10.0 -20.0			•		-1010-054	Start Free 1.849000000 GH
-40.0 -60.0 -60.0						Stop Fre 1.851000000 GH
Start 1.849 #Res BW 2	00 kHz	#VBI	N 620 KHZ		Stop 1.851000 GHz 1.000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
1 N 1 2 3 4	f 1,8	50 000 GHz	-22.39 dBm			Freq Offse 0 H
5 6 7 8 9 10				_		
ieșa i				STATU	5	

Band25_20MHz_QPSK_1_99_HighCH26590-1905

Against Spectrum Antryst	su - Te	sinse m	ALIBITALITE Avg Type: RMS	11.1836 AMDec 64, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Fast ++		Avg[Hold: 100/100	LET A NINN N	1
Ref Offse	ot 13.9 dB 00 dBm		Mkr	1.915 000 GHz -15.022 dBm	Auto Tun
20.0					Center Fre 1.915000000 GH
0.00 -000 -200	Marine State and a state	When May Munaling	K. Manhananahan Jew	and a second and a second	Start Fre 1.914000000 GH
40.0 50.0 60.0					Stop Fre 1.916000000 GH
Start 1.914000 GH Res BW 300 kHz		N 1.0 MHZ*	Sweep	Stop 1.916000 GHz 1.000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
N T 2 N T 3	1,915 000 GHz 1,915 090 GHz	-15.022 dBm -13.343 dBm	UNETION FUNCTION MUT	PLALE ASTALLE	Freq Offs
5 6 7 8 9 9					
50			STATE		

Band25_15MHz_QPSK_75_0_HighCH26615-1907.5

a diment discovery with	PRO I Tronge Sa				10 2 10
	15000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	10132134 AMDec M, 2018 TRACE 1 2 3 4 5 6 Tree A WWWWW	Frequency
10 dB/div Ref 3	PNO: Wide iFGain:Low fset 13.9 dB 0.00 dBm	#Atten: 30 dB	Mkr1	1.915 000 GHz -19.75 dBm	Auto Tun
20.0 10 0	0.00 0811				Center Fre 1.915000000 GH
0.00		•1		4000 (Be	Start Fre 1.914000000 GH
30.0 40.0 50.0					Stop Fre 1.916000000 GH
Start 1.914000 G Res BW 200 kH		W 620 kHz	Sweep 1	Stop 1.916000 GHz 1.000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 7 2 3 4 5	30 1,915.000 GHz	-19.75 dBm	NCTION FUNCTION WIDTH	PLANE I DRAVALISE -	Freq Offs
2 3 4 5 6 7 8 9 9 10					
11			PTATU	¢**	

Band25_20MHz_QPSK_1_0_LowCH26140-1860

West Fast Trig: Free Run Avgitted: Top: Free Run Avgitted: Top: Free Run 10 The: Free Run Avgitted: Top: Free Run Avgitted: Top: Free Run Top: Free Run	quency Auto Tuni enter Free 000000 GH:
Ref Offset 13.9 dB Mkr1 1.850 000 GHz C 300	enter Free
Ref Office:13.9.dB MKR1.1.850.000 gm G gladin -15.805 dBm G gladin -15.805 dBm G gladin -15.805 dBm G gladin -16.805 dBm G gladin -18.805 dBm G gladin -18.805 dBm G gladin -18.805 dBm G gladin -18.805 dBm G gladin<	enter Free
200	
180 200 100 100 100 100 100 100 100 100 10	
20	
1,001	Start Free
1,051	Stop Free
	00000 GH
start 1.849000 GHz Stop 1.851000 GHz Res BW 300 kHz #VBW 1.0 MH2* Sweep 1.000 ms (1001 pts) Auto	CF Step 00.000 kH
Auto	Ma
2 N / / (240 932 CHy 13 612 dBm	req Offse
\$5 STATUS	

Band25_20MHz_QPSK_100_0_LowCH26140-1860

against 1911	Course An experience					10 4 63
Center F		0000000 GHz	Trig: Free Run	Aug Type: Log-Pwr	10:06:26 AMDec 04, 2028 TRACE 1 2 3 4 5 6 Tree A WWWWW DET A NNNNN	Frequency
10 dB/div	Ref Offse Ref 30.0	iFGain:Low	#Atten: 30 dB	Mkr1	1.850 000 GHz -23.12 dBm	Auto Tune
20,0 10.0						Center Fred 1.850000000 GH;
0.00			•			Start Fred 1.849000000 GH:
40 0 60,0 60,0						Stop Free 1.851000000 GH
Start 1.84 #Res BW			SW 1,0 MHz		Stop 1.851000 GHz .000 ms (1001 pts)	CF Stej 200.000 kH Auto Ma
I N I	1	1,850 000 GHz	-23.12 dBm			Freq Offse 0 H
2 3 4 5 6 7 7 8 9 10 10						
illigiti (57819		1

Band25_20MHz_QPSK_100_0_HighCH26590-1905

aginer (getreen antippe) / house 54				10 4 63
Center Freq 1.915000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	10:19:05 AMDec 01, 20:8 TRACE 1 2 3 4 5 6 THE A WWWWW LET A NN NN N	Frequency
iFGain:Lo				Auto Tune
10 dB/div Ref 30.00 dBm		Mkr1	1.915 000 GHz -23.15 dBm	Auto Tune
30.0				Center Free
tu a 0.00				1.915000000 GH;
10.0				Start Free
20.0				1.914000000 GH
40.0				Stop Free
60,0 60,0				1.916000000 GH
Start 1.914000 GHz #Res BW 300 kHz #V	/BW 1.0 MHz	Sweep 1	Stop 1.916000 GHz .000 ms (1001 pts)	CF Step 200.000 kH
1 N 1 f 1.915 000 GHz	-23,15 dBm	NETION FUNCTION WOTH	FUNCTION VALUE	Auto Mar
2 3 4				Freq Offse 0 Ha
5 6 7 8 9 10				
10 11				
* 1455		57ATB		1

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Band26_1_4MHz_QPSK_1_0_LowCH26797-824.7

agana (perinan Anappe) i Ter			A THE RECEIPTION	10.00 C	10 4 103
Center Freq 824.00	0000 MHz	Trig: Free Run	Aug Type: Log-Pwr	04.38.48 PM Nov. 30, 2038 TRACE 1 2 3 4 5 6 THE A WWWWW LET A NNNNN	Frequency
Ref Offset 1 10 dB/div Ref 30.00	iFGain:Low	#Atten: 30 dB	Mk	1 824.000 MHz -22.97 dBm	Auto Tune
20.0 10.0 0.00					Center Fred 824.000000 MHz
-1070					Start Free 823.000000 MHz
40.0 60.0					Stop Free 825.000000 MH
Start 823.000 MHz #Res BW 20 kHz	#VBV	/ 62 kHz	Sweep 2	Stop 825.000 MHz .067 ms (1001 pts)	CF Step 200.000 kH Auto Mar
N 1 7 3 4 5 6 7 8 9	824.000 MHz	-22.97 dBm			Freq Offse 0 H
8 9 10 11			STATUS		

Band26_1_4MHz_QPSK_6_0_HighCH27033-848.3

	Course An Ingon 1	ine ja		A real framework		10 4 63
Center F	req 849.0	00000 MHz	Trig: Free Run	Avg Type: Log-Pwr	04142 35 FM Nov 30, 2038 TRACE 1 2 3 4 5 6 THE A WWWWWW LET A NN NN N	Frequency
10 dB/div	Ref Offset Ref 30.0	IFGain:Low	#Atten: 30 dB	Mk	1 849.000 MHz -20.46 dBm	Auto Tune
20.0 10.0						Center Free 849.000000 MH
0.00 -10.0 -20.0	_				1000 (64	Start Free 848.000000 MHz
-20.0 -40.0 -60.0 -60.0						Stop Free 850.000000 MH
Start 848 #Res BW			W 62 kHz	Sweep 2	Stop 850.000 MHz .067 ms (1001 pts)	CF Stej 200.000 kH Auto Ma
2 3 4 5		849.000 MHz	-20.46 dBm		DLATH I DR VALKE	Freq Offse 0 H
6 7 8 9 10 11						
(eşa)				57ATB		1

Band26_1_4MHz_QPSK_1_5_HighCH27033-848.3

RL SU	R .	00.351.00	Aug Type: Log-Pwr	04/42/12 PMNov 30, 2018	Frequency
Center Freq 849.0000	OOO MH2 Avg Type: Log-Pwr Trig: Pree Run IF Calin: Low #Atten: 30 dB		TRACE 1 2 3 4 5 6 TITLE A WWWWW EET A NNNN N		
Ref Offset 13.6 10 dB/div Ref 30.00 dB	dB. M		Mk	r1 849.000 MHz -17.55 dBm	Auto Tune
20.0	-	-			Center Free 849.000000 MH
0.00 10.0 20.0		1			Start Fre 848.000000 MH
-30.0 40.0 60.0				-	Stop Fre 850.000000 MH
60 0 Start 848.000 MHz Res BW 20 kHz	#VBV	/ 62 kHz	Sweep 2	Stop 850.000 MHz 2.067 ms (1001 pts)	CF Ste 200.000 kF
	849,000 MHz	-17.55 dBm	UNCTION FUNCTION WOTH	FIGUETICIN VALUE	Auto Mi
2 3 4 5					Freq Offs
5 6 7 8 9 10					-
1		-			
R(G)			STATU	¢	

Band26_1_4MHz_QPSK_6_0_LowCH26797-824.7

	134		ALIWANTE	64:39:42 PMNo/ 30, 2018	10 4 63
Center Freq 824.000	PNO: Wide -P	Trig: Free Run	Avg Type: Log-Pwr	12 2 3 4 5 6 TRACE 1 2 3 4 5 6 TIME A WWWWW	Frequency
Ref Offset 13 0 dB/div Ref 30.00 d	iFGain:Low 6 dB IBm	#Atten: 30 dB	Mkr	1 824.000 MHz -27.73 dBm	Auto Tuni
og 39.0 10.0					Center Free 824.000000 MH
0.00 10:0 20:0		1		1010160	Start Free 823.000000 MH
40 0 50(0 60,0					Stop Free 825.000000 MH
start 823.000 MHz Res BW 20 kHz		62 kHz	Sweep 2.	Stop 825.000 MHz 067 ms (1001 pts)	CF Ster 200.000 kH Auto Mar
N F 2 7 3 7 4 5 6 7 7 8 9 10 11 11	824.000 MHz	-27.73 dBm	ET ERI		Freq Offse 0 H

Band26_3MHz_QPSK_1_0_LowCH26805-825.5

agmen ige	Come An experi (Tom	1 3 4		and the second		10 4 68
Center Freq 824.000000 MHz		Trig: Free Run	ActivitAuto Avg Type: Log-Pwr	04:30:33 PMMoi 30, 2038 TPACE 1 2 3 4 5 6 THE A WWWWW	Frequency	
10 dB/div	Ref Offset 13 Ref 30.00	iFGain:Low L6 dB dBm	#Atten: 30 dB	Mk	r1 824.000 MHz -16.82 dBm	Auster Treme
20.0 10.0	_			2		Center Free 824.000000 MHz
0.00 -10.0 -20.0			1	-		Start Fred 823.000000 MHz
40.0	10	~ ~				Stop Fred 825.000000 MH
Start 823 #Res BW		#VBV	V 120 KHz		Stop 825.000 MHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 J 4 5 6 7 7 8 9 9 10 11		824.000 MHz	-16.82 dBm			Freq Offse 0 Hz
ess .				statu		-

Band26_3MHz_QPSK_1_14_HighCH27025-847.5

allan ibe	Course Alt Report 1 Ton					10 4 63
Center Freq 849.000000 MHz		30 IC SETSELIVI ALTULAUTO 04/34/53 PANIO 0.000000 MHz Avg Type: Log-Pwr TPACE		04.34 5.3 PMNov 30, 2038 TRACE 1 2 3 4 5 6 THE A WWWWWW LET A NNNNN	123456 Frequency	
		PNO: Wide IFGain:Low	#Atten: 30 dB		LET A NNNN N	
10 dB/div	Ref Offset 1 Ref 30.00	3.6 dB dBm		Mki	1 849.000 MHz -13.46 dBm	Auto Tune
20,0 10.0			-			Center Free 849.000000 MHz
0.00		1 de	5.		and the second se	
20.0	~~~		- P	2		Start Free 848.000000 MHz
40.0						Stop Free
-60.0 -60.0						850.000000 MH
Start 848 #Res BW	.000 MHz 39 kHz	#VE	W 120 kHz	Sweep 1	Stop 850.000 MHz .000 ms (1001 pts)	CF Step 200.000 kH: Auto Mar
		849.000 MHz	-13.46 dBm	UNCTION FUNCTION WOTH	PUNCTION VALUE	Auto Mar
2 3 4		849.000 MH2	-13.46 00/			Freq Offset 0 Hz
5 6 7 8 9	-					
10			-		+	
15/5				STATUS		

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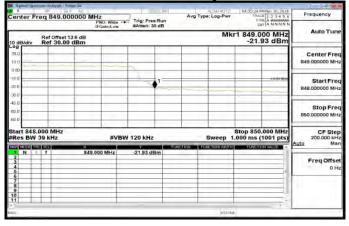
Band26_3MHz_QPSK_15_0_LowCH26805-825.5

0.4			200		_	4.54	on support 1 line		dama t	
Frequency	04:31:24 PMMA/ 30,2038 TRACE 1 2 3 4 5 6	g Type: Log-Pwr) oënse il	Center Freg 824.000000 MHz					
	TITE A WWWWWW			#Atten: 30 dB	PNO: Wide ++	1		-		
Auto Tun	1 824.000 MHz -24.65 dBm	Mkr			Ref Offset 13.6 dB 10 dB/div Ref 30.00 dBm					
Center Fre 824.000000 MH							_	_	q	20.0 10.0
			1		-	-	_	_	0	10.00
Start Fre 823.000000 MH	100000		~	¢1					-	20.0
Stop Fre		-				-	~~~	~~~	-	40.0
825.000000 MH		_		_			_			60,0 60,0
CF Ste 200.000 kF	Stop 825.000 MHz 000 ms (1001 pts)		_	120 kHz	#VBW	1		3.000 V 39		
Auto Ma	FUNCTION VALUE	FUNCTION WIDTH	PUNC	-24.65 dBm	000 MHz	824.00			N	14
Freq Offse					17 2 2 10 1 K			-	-	2345
							-			4 5 6 7 8 9 10
							-	1		10 11
		STATUS						_	_	5,5

Band26_5MHz_QPSK_1_24_HighCH27015-846.5

10 dBJdiv Ref 3 300 10 0 0.00 -00 0 -00 0	P9	C: Wide	Trig: Free R #Atten: 30 d		Avg Type	e: Log-Pwr Mk	r1 849.0	00 MHz	Auto Tun Center Free 849,00000 MH
10 dB/div Ref : 20,0 10.0 .000 .000 .000	ffset 13.6 dB	C: Wide -++	#Atten: 30 d	8		Mk	1 849.0	00 MHz	Center Fre
10 dB/div Ref : 20,0 10.0 .000 .000 .000	ffset 13.6 dB 30.00 dBm	~				Mk			Center Fre
30,0 10.0 0.00 -10.0 -20.0	2	X		_			_		
0.00 -10 0 -20 0		N				-	-	-	
-10.0	~								849.000000 MF
20.0									
			1	=				comites	Start Fre
			- A.					_	848.000000 MH
30.0	-		-		-	-	-		
40.0			_		-			-	Stop Fre
60,0				-					850.000000 M
-66 D				-	_			-	
Start 848.000 M #Res BW 51 kH		#VBW	150 kHz				Stop 850. .000 ms (1001 pts)	CF Ste 200.000 kH
MADE THE SEL	×		¥		1511	NUTION HIDTH	PUNCTO	INVALUE -	Auto Ma
1 N 1 F	849.00	MHZ	-19.94 dBm	-		-			
3 4				-	-				Freq Offse
5		-							97
6 7 8 9									
9		_			-	_			
11				-	_	_		+	
* (55)						STATU	-		

Band26_3MHz_QPSK_15_0_HighCH27025-847.5



Band26_5MHz_QPSK_1_0_LowCH26815-826.5

Against Spectrum Arrists	AND DOUBLES	_	1 sense mi		ALIMANTO	04:19:39 PMNo- 30, 2018	10.4.63
enter Freq 82	4.000000 MHz): Wide	Trig: Free Run	Avg T)	pe: Log-Pwr	TRACE 1 2 3 4 5 6 TITLE A WWWWWW	Frequency
0 dB/div Ref 3	iFG Tset 13.6 dB 10.00 dBm	ain:Low	#Atten: 30 dB		Mkr	1 824.000 MHz -21.74 dBm	Auto Tune
30.0 10.0				1	1		Center Free 824.000000 MH
0.00		_	9 17	4			Start Fred 823.000000 MHs
40.0							Stop Free 825.000000 MHz
Start 823.000 M Res BW 51 kH		#VBW	150 kHz	200100		Stop 825.000 MHz 000 ms (1001 pts)	CF Step 200.000 kH; Auto Mar
1 N 1 f 2 3 4	824.000	MHZ	-21.74 dBm				Freq Offse 0 Ha
5 6 7 8 9 10 11							
\$0) \$0)		-			STATUS		l

Band26_5MHz_QPSK_25_0_LowCH26815-826.5

10.4				_	-		_	1.54	and the second sec		diama i	1 4
Frequency	PM/Hox 30,2038	TRA	pe: Log-Pwr	Avg	156.101	Lun	-tz	0000 MH	824.00	Freq	nter	Cer
1.04	A NNNNN				0 dB	#Atten: 3	PNO: Wide					-
Auto Tun	000 MHz .04 dBm	r1 824.0 -27.	Mkr						f 30.00		B/div	10 0
Center Fre			-	-	-		-	-	-	_	q	30.0
824.000000 MH				1					1			10.00
Start Fre		-	-	1			-	-		_	-	-10.0
823.000000 MH				_	17		1.2	1				-20.0
Stop Fre	-	-	-		-	_	-	-	-		o	40.0
825.000000 MH												60,0
CF Ste 200.000 kH Auto Ma	5.000 MHz (1001 pts)	Stop 825	Sweep 1.			150 kHz	#VBV	_		3.000 N 51 I		
Auto Ma	TION WALVE	PANET	UNCTION WOTH	UNICITICNI		-27.04 d	00 MHz	824.0			NINE	No.
Freq Offse					en .		SS HELE				-	274
							-					56789
				-	-				-			10
		-			-	-			1	-	-	11
		6	STATUS							_	-	iesis i

Band26_5MHz_QPSK_25_0_HighCH27015-846.5

10.4					_		AN INVESTIGATION OF	and they	a a
Frequency	04:25:45 #M/Mov 30, 2038 TRACE 1 2 3 4 5 6	ALDULAUTO Type: Log-Pwr	Avg	- SERVELIN	tz	000000 MH	ea 849.	ter Fr	Cen
1.4	TRACE 1 2 3 4 5 6 THE A WWWWWW DET A NNNNN			#Atten: 30 dB	PNO: Wide				-
Auto Tur	1 849.000 MHz -25.49 dBm	Mkr	-				Ref Offse Ref 30.	BJdiv	10 d
Center Fre		-	-		-	-			.og 39.0
849.00000 MH									10.00
StartFre		-	_	-	1	-	_		10.0
848.000000 MH					1				20.0
Stop Fre			_		-	-	-	-	40.0
850.000000 MH									50,0 60,0
CF Ste 200.000 kH Auto Ma	Stop 850.000 MHz 000 ms (1001 pts)	Sweep 1.	PUNCTION	150 KHz		×	000 MHz 51 kHz	SBW	Re
Freq Offs				-25.49 dBm	00 MHz	849.0	1	N 4	123456789011
									6 7 8
			-						9 10 11
		STATUS		-					50

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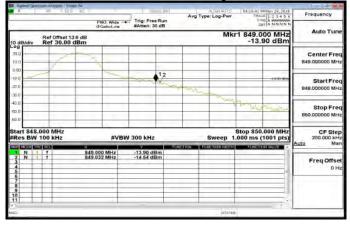
Band26_10MHz_QPSK_1_0_LowCH26840-829

10 4 2								Annyatti	1 THREE IS		
Frequency	PMNov 29, 2038	TRA	vpe: RMS old: 100/100	Avg	sense Im	O: Wide -+				R.I.	-
Auto Tun	Extra Star Star				Atten: 30 dB	SaintLow	15			_	_
Huto / Ul	000 MHz 09 dBm		Mk					ef Offset 13 ef 30.00 c		dB	10
Center Free		~	1				-		-	9.0	30
824.000000 MH			1			1				99	19
Start Free	manal	-	-	mon	Q21				_	00	-10
823.000000 MH				-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m		1	-		-30
1		_	_	_		1	5 mor	-	_		40
Stop Fre 825,000000 MH	-	-	-	-		-		~	~~~	_	60
			-			-	-			1	-68
CF Step 200.000 kH	5.000 MHz (1001 pts)		Sweep 1		00 kHz*	#VBW		0 MHz 0 KHz			
Auto Ma	ICRIMALIZE -	+ FINET	FUNCTION WIDTH	PONETRON:	4.309 dBm	a Million	824.00			di M	leid
Freq Offse					3.626 dBm	8 MHz	823.94	-	1	2	2
DH	-							-			4 5
			_					-		7	56789
										0	10
		-	-		-			-	1	1	11
		8	STATU					_		6	45/5

Band26_10MHz_QPSK_50_0_HighCH26990-844

18	7:07 VM/Hov 29, 2028		ALIMIATO	-	ERISE INT		-	R I	Distance in the second s	(gentlement	R.	
6 Frequency	THE A WWWWW	er .	e: Log-Pwr	Avg	e Run	Trig: Pre	O: Wide -	0000 MH	849.00	Freq	nter	Ce
Z Auto Tu	9.000 MHz		M	-	30 dB	#Atten: 3	Salin:Low	1.6 dB	f Offset 1	R	-	
1	22.46 dBm		-	-	-	-	-	dBm	f 30.00	V R	dB/di	10 0
Center F			-	_	-		-	-			a	33
849.000000 N	-	-	-		-		-			_	0	tit
-	_	-	-	-				1		_		10,0
StartFi	1000-000	-	-	-	1=	22.0	-			_	_	-101
848.000000 N	-			-			-			-		-701
1												40.1
Stop Fi 850,000000 M			-	-	-			-		_	0	50
	-		-	-	-		-	-		_	0	-663
200.000	850.000 MHz ns (1001 pts)		Sweep			300 kHz	#VB	-		18.00 W 10		
Auto N	INCTION VALUE	THE PL	INCTION INDIA	UNICTION		Y		36			MOTO	i na
FreqOff			-		Bm	-22.46 d	0 MHz	849.00		1	N	23
Frequi		-	_		-		-					4
1	- 1				-						-	5
					_							7 8 9
8												10
-	+	-	_		-	_			1		-	11
		THE	STAT									6,5

Band26_10MHz_QPSK_1_49_HighCH26990-844



Band26_10MHz_QPSK_50_0_LowCH26840-829

10 4 1	64112:56 PM Nov 29, 2018	ALIGNWITC				154	Conception in Front	 Δ) 		ay Ri
Frequency	TRACE 1 2 3 4 5 6	Type: Log-Pwr	Avg	Trig: Free Run	PNO: Wide	00000 MI	824.00	req 8		
Auto Tun	1 824.000 MHz -21.48 dBm	Mkr		#Atten: 30 dB	IFGain:Low	13.6 dB	Offset 1 f 30.00	Ref	B/div	IO de
Center Fre 824.000000 MH			_		-	-		_		.og 30.0 10.0
Start Fre 823.000000 MH		N		1						0.00 10.0 20.0
Stop Fre 825.000000 MH										40 0 50 0
CF Ster 200.000 kH Auto Ma	Stop 825.000 MHz 000 ms (1001 pts)			300 kHz	#VBV	-	kHz	100	S BN	Re
Freq Offse 0 H			-010101	-21.48 dBm	000 MHz	824.0		1 1	N	1 2 3 4 5 6 7 8 9
1										8 9 10 11
		STATUS							_	655

Band26_15MHz_QPSK_1_0_LowCH26865-831.5

10 4 2	A CONTRACTOR OF A DESCRIPTION OF A DESCRIPANTE A DESCRIPANTE A DESCRIPANTE A DESCRIPTION OF A DESCRIPTION OF						(International Anternational A	against Spec
Frequency	63148134 PM/Hol 24, 2018 TRACE 1 2 3 4 5 6	ype: RMS old: 100/100	Avg	Trig: Pree Run		50 - RC		R.
	LET A NNNN N	010, 100 100		#Atten: 30 dB	PNO: Wide = IFGain:Low			
Auto Tun	1 824.000 MHz -13.444 dBm	Mkr			C	et 13.6 dB		dB/div
Center Fre					-	_	_	.a
824.000000 MH	1		1.1	1	-			0
StartFre	WW country	wanny ve	and an and	() ¹				0
823.000000 MH			4	mm	And marked and	malabarast	aver when	C WANN
Stop Fre		-	_				-	0
825.000000 MH								0
CF Ste 200.000 kH	top 825.000 MHz 000 ms (1001 pts)			V 620 kHz*	#VB		000 MHz	
Auto Ma	PUNCTION VALUE	FUNCTION WIDTH	PONETION	Y.	-	8		MOTOR
Freq Offse				-13 444 dBm -13 629 dBm -13 566 dBm	4.000 MHz 3.982 MHz 3.960 MHz	823.9	1	NNN
U PI								
1								
					-			
				-				
		STATUS						l

Band26_15MHz_QPSK_1_74_HighCH26965-841.5

10.5	4.07 WM Har 29, 2038		ALIVIANE						Annyati	i Manual	-0,9
Frequency	TRACE 123456	04:04	e: RMS	Avg		ALC: NO	NO: Wide -		- 50	- 11	R
	DET A NINNIN				Bb 0	#Atten: 34	Gain:Low	ir			
Auto Tun	9.000 MHz 6.168 dBm		Mk	-				3.6 dB dBm	Ref Offset 1 Ref 30.00	div.	0 de
Center Fre		-	-	-	_	_		-		/	og 310
849.000000 MH	-		1 1	1	1			1	1	-	19.9
Start Fre	some		1		1,2		Annen h	mannon	~		0.0
848.000000 MH	then ha	n Walawa	MARANC M	human	1. your	and MAN		-		-	20.0
	J. Alma Martha	1	1	-				-		-	20.0
Stop Fre											40.0
850.000000 MH	_	-	-	-	-	-		-		_	60.D
CF Ste	850.000 MHz			-	-		-	1	00 MHz		
200.000 kH Auto Ma	ns (1001 pts)		Sweep 1		-	N 620 kHz	#VB	~	00 kHz	BW 2	-
					3m	-16.168 dE	0 MHz		1		
Freq Offse				-		10.402.00	e min			-	3
	-			_	-		-				5
		-	_	_	-					+	8
			-	_	-		-			+	5 6 7 8 9 10
		1				-					1
		105	STATE								(6)

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台灣檢驗科技股份有限公司



Band26_15MHz_QPSK_75_0_LowCH26865-831.5

againer (gennen Anarper i Tomas Se			10.4.63
Center Freq 824.000000 MHz	Wide Trig: Free Run	Aug Type: Log-Pwr TR	ALE 1 2 3 4 5 6 Frequency
Ref Offset 13.5 dB 10 dB/div Ref 30.00 dBm	n:Low #Atten: 30 dB	Mkr1 824.	Auto Turo
20,0 10.0			Center Free 824.000000 MH
-10.0		W. Winsher	Start Free 823.000000 MH
40.0 60.0 60.0			Stop Fre 825,000000 MH
Start 823.000 MHz #Res BW 200 kHz	#VBW 620 kHz	Sweep 1.000 ms	5.000 MHz (1001 pts) CF Ste 200.000 kH Auto Ma
N I f 824,000 2 3 4 5 5 6 6 7 7 8 9			Freq Offse 0 H
8 9 9 10 11		57A THE.	+-

Band26_Part90s_1_4MHz_QPSK_1_5_HighCH26783-823.3

agmen genten anterpat i fin					10 4 63
Center Freq 824.00	PNO: Wide -	Trig: Free Run	Avg Type: Log-Pwr	03140149 PM/Nov 29, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW DET A NNNNN	Frequency
10 dB/div Ref 30.00		#Atten: 30 dB	Mk	1 824.000 MHz -21.05 dBm	Auto Tune
20,0 10.0	-	1			Center Free 824.000000 MH;
-10.0		-		1000 (to	Start Fred 823.000000 MHz
-40.0 -60.0			1		Stop Fred 825.000000 MHz
Start 823.000 MHz #Res BW 20 kHz	#VBW	62 kHz	Sweep 2	Stop 825.000 MHz 067 ms (1001 pts)	CF Step 200.000 kH Auto Mar
N f 2 3 3 4 5 6 6 7 8 9	824.000 MHz	-21,05 dBm			Freq Offse 0 H
9 10 11 ,			status		

Band26_15MHz_QPSK_75_0_HighCH26965-841.5

R R	a number of the	ALL DOUBLES		L sense i		ALDERNIN	BAIRA SAR	MNov 29, 2018	10 4 23
Center F	req 84	9.000000 N	Hz PNO: Wide -	120.000	Avg	Type: Log-Pw	TRAC	123456 A WWWWW A NNNNN	Frequency
10 dB/div		fiset 13.5 dB 30.00 dBm	iFGain:Low	#Atten: 30 dB		м	kr1 849.0		Auto Tun
20.0 10.0									Center Free 849.000000 MH
0.00 -10.0 -20.0		1	-	-	~				Start Free 848.000000 MH
40.0 (50,0 (60,0						_			Stop Fre 850.000000 MH
Start 848 #Res BW	200 ki		#VB	W 620 kHz		Sweep		1001 pts)	CF Ste 200.000 kF Auto Ma
1 N 2 3 4 5 6 6 7 7 8 9 10 11		× 849	2,000 MHz	-22.71 dBm	PUNCTON	and kite in a single of the si	(f) (F).976(1)		Freq Offse 0 H
9 10 11 , 11						STAT	rus-	+	

Band26_Part90s_1_4MHz_QPSK_1_0_LowCH26697-814.7

- Cigmon - per	A REAL PROPERTY.	From 5.4					ALDHANK	NA PLAT	446-29,2018	10 4 63
enter F	req 814.	000000 MF	IZ PNO: Wide	12000	un		Log-Pwr	TRAC		Frequency
10 dB/div	Ref Offse Ref 30.	et 13.6 dB 00 dBm	IFGalin:Low	WAtten: 30 C			Mk	1 814.0	00 MHz 56 dBm	Auto Tune
30.0 10.0	_				1	-				Center Free 814.000000 MH
0.00 10 [°] 0 20 [°] 0				•	Î				and sign	Start Fred 813.000000 MH
40 0 50,0 60.0	an an	~~~	-							Stop Free 815.000000 MH
Res BW			#VBV	V 62 kHz	_		Sweep 2	Stop 815. .067 ms (*	1001 pts)	CF Ster 200.000 kH Auto Mar
1 N 1 2 J 4 S 6 6 7 8 9 9 10	1	814.0	000 MHz	-23.56 dBm				PUNCTO		Freq Offse 0 H
10 11 ,							STATUS		· · ·	

Band26_Part90s_1_4MHz_QPSK_6_0_LowCH26697-814.7

a grant (gennam annyn) i benge Sa				10.4.43
Center Freq 814.000000 MHz	Trig: Free Run	Aug Type: Log-Pwr	03:33:55 PMNov 29, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW LET A NNNNN	Frequency
Ref Offset 13.5 dB 10 dB/div Ref 30.00 dBm	#Atten: 30 dB	Mki	1 814.000 MHz -29.38 dBm	Auto Tune
28.0 10.0 28.0			-20.00 UDM	Center Free 814.000000 MH
0.00	1			Start Free 813.000000 MH
				Stop Fre 815.000000 MH
Start 813.000 MHz #Res BW 20 kHz #VBV	V 62 kHz	Sweep 2	Stop 815.000 MHz .067 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 F 814.000 MHz 2 3 4	-29.38 dBm			Freq Offse 0 H
5 6 7 8 9 9 10				
e (egg)	0	STATUS	+	

Band26_Part90s_1_4MHz_QPSK_6_0_HighCH26783-823.3

all all son the	Course An any and ()	ing (a		7 - 74 - 714		10 4 63
Center F	req 824.0	00000 MHz	Trig: Pree Run	Avg Type: Log-Pwr	0314119 PM Nov 29, 2018 TRACE 1 2 3 4 5 6	Frequency
		PNO: Wide = iFGain:Low	#Atten: 30 dB		LET A NNNNN	1.000
10 dB/div	Ref Offset Ref 30.0			Mki	1 824.000 MHz -26.50 dBm	Auto Tune
28.0						Center Free 824.000000 MH
0.00						
-20.0						Start Free 823.000000 MH
-36.0	-					Stop Free
60.0 -60.0						825.000000 MH
Start 823 #Res BW	.000 MHz 20 kHz	#VB	W 62 kHz	Sweep 2	Stop 825.000 MHz .067 ms (1001 pts)	CF Step 200.000 kH
		824.000 MHz	-26.50 dBm	NETION FUNCTION WIDTH	FUNCTION VALUE	Auto Mar
2 3 4 5		024.090 MPR				Freq Offse 0 H
6 7 8 9						
10					¥	
ueșci				STATUS		

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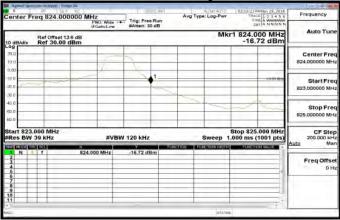
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Band26_Part90s_3MHz_QPSK_1_0_LowCH26705-815.5

against pass	A REAL PROPERTY AND INC.	anga Sa			ALDHOWITC			10 4 23
Center Fr	req 814.00	00000 MHz PNO: Wide -	Trig: Free Run		e: Log-Pwr	03:12:19 PM TRACE	1 2 3 4 5 6 A WWWWW A NNNN N	Frequency
10 dB/div	Ref Offset Ref 30.00		#Atten: 30 dB		Mk	1 814.00		Auto Tune
20.0 10.0	-			-				Center Fre 814.000000 MH
0.00			1)	~	~		Start Fre 813.000000 MP
40.0	100							Stop Fre 815.000000 MH
Start 813. #Res BW	39 kHz	#VB	W 120 kHz	PUNCTION PUN	Sweep 1	Stop 815.0 .000 ms (1	001 pts)	CF Ste 200.000 kF Auto Ma
1 N 1 2 3 4 5 6		814.000 MHz	-18,24 dBm					Freq Offs 0 F
7 8 9 10 11								
650					STATU			

Band26_3MHz_QPSK_1_14_HighCH26775-822.5



Band26_Part90s_3MHz_QPSK_15_0_LowCH26705-815.5

10 4 6		-	-			4 54	Annyati	(Jacobian Statement	diamo i		
Frequency	03:13:22 PMNov 29, 2038 TRACE 1 2 3 4 5 6 TITLE A WWWWW LET A NNNN N	ALIGNAGTO Type: Log-Pwr		Trig: Free Run	Hz PNO: Wide	0000 MH	814.00	Free	nter	Cer	
Auto Tun			-	#Atten: 30 dB	PNO: Wide	1		_	_	_	
Huto Turi	-26.08 dBm	Ref Offset 13.5 dB Mkr1 814.000 MHz 10 dB/div Ref 30.00 dBm -26.08 dBm									
Center Fre		-	-		-	-	-		α	30,0	
814.000000 MH			1					_		10.00	
Start Fre			1		1 1	_	_			-10.0	
813.000000 MH			-	•1-	-			-		30.0	
1 - 1.0x20								-	100	40.0	
Stop Fre 815.000000 MH		-	-	-	-	-	-	-		60.0	
		-			1000	-			1.1	60.0	
CF Stej 200.000 kH	top 815.000 MHz 100 ms (1001 pts)	Sweep 1.		120 kHz	#VBW		0 MHz kHz	W 39			
Auto Ma	FUNCTION VALUE	FUNCTION WOTH	PONCTIO	-26.08 dBm	DOD MHz	814.0			NUMBER	- 12	
Freq Offse 0 H						914.V		-	-	2745	
										5678910	
							-			9 10 11	
	- F.	STATUS							-	*	
		PALK INDE							-	apa :	

Band26_Part90s_3MHz_QPSK_15_0_HighCH26775-822.5

en R	ter	Fre	q 824	.000	000 N	PNO: Wide		Tria: Free	Run	Avg	Type: Lo	g-Pwr	TR	ACE 1 2 3 4 5	- II.	Frequency
	-		tef Off	set 13	6 dB	IFGain:Low	-	#Atten: 30	dB	_	-	Mk	r1 824.	000 MHz		Auto Tun
10 de	3/div		Ref 30	0.00 0	IBm	_	_		_			_	-23	.78 dBm	-	
33.0	1		-	_		-			_	-	_			_		Center Fre
too					· · · · ·					_	_		-			24.000000 M
0.00	5		-		-		-	0								
10.0								1								20.5
20.0	1.1					-	-	1	1	-			-			StartFr
11.1										-					8	23.000000 M
30.0		-	-					_		-	-		1			
4D D		_	-		-		-			-	-	-				Stop Fr
50,0		_	-		-	-	-			-			-		8	25.000000 M
EEL D			+	_		-	-	-	-	-	-	_	-			
tar	1 82	3.00	IO MH	7	-	-	-	_				-	Stop 82	5.000 MHz		CF St
Re	S BI	N 35	kHz			#V	BW	120 kHz			Swe	ep 1		(1001 pts)		200.000 ki
100	NOTICE .	LOCK R	101		×	_	-	Ý		JUNCTION	FUNCTION	N INTERNE	PUNC	TION WALLE	Auto	2 M
	N	1	1		824	000 MHz	1.00	-23,78 dB	n							-
2	_															Freq Offs
4 5	-	-					-		-		-	-	-			0
6	_					_			-	_			10		-	
8												_				
7 8 9 10	-	-		_			-		-		-	-				
11												-				
(bin	-		-									_	-		_	
16/2	_										_	STATE	P]		_	

Band26_Part90s_5MHz_QPSK_1_0_LowCH26715-816.5

agener ipr	Onum An Equal 1 To					-			10 4 68
Center F	req 814.00	DOODO MHz	Trig: Pre-	e Run	Avg Typ	e: Log-Pwr	02144:26 F	1 2 3 4 5 6 A NNNN N	Frequency
10 dB/div	Ref Offset Ref 30.00	iFGain:Low	#Atten: 3	0 dB		Mk	1 814.0	00 MHz 05 dBm	Auto Tune
20.0 10.0	_				1	1			Center Free 814.000000 MH
0.00 -10.0 -20.0			1	1=		~	~		Start Free 813.000000 MH
40.0									Stop Free 815.000000 MH
Start 813 #Res BW		#V	BW 150 kHz	-		Sweep 1	.000 ms (.000 MHz 1001 pts)	CF Stej 200.000 kH Auto Ma
1 N 2 3 4	TT.	814.000 MHz	-23.05 di						Freq Offse 0 H
5 6 7 8 9 10 11			-						
(eșs)						STATUS		_	

Band26_Part90s_5MHz_QPSK_1_24_HighCH26765-821.5

agner (gennen åringen) Sment Sa	-			10 4 23
Center Freq 824.000000	ONO: Wildo - Trig: Free Ri	Avg Type: Log-Pwr	03107 35 PMMov 29, 2038 TRACE 1 2 3 4 5 6 THE A WWWWW	Frequency
Ref Offset 13.6 dB 10 dB/div Ref 30.00 dBm	iFGain:Low #Atten: 30 dl		r1 824.000 MHz -21.23 dBm	Auto Tuni
30,0 10.0 0,00	7			Center Free 824.000000 MH
100 100 200 300			comiga	Start Free 823.000000 MH
40.0 50,0 60.0				Stop Fre 825.000000 MH
Start 823.000 MHz Res BW 51 kHz	#VBW 150 kHz	Sweep 1	Stop 825.000 MHz 1.000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
N I F 8: 2 -	24.000 MHz -21.23 dBm	PONETICAL FUNCTION WORK	PLANETICK VALUE	FreqOffse
4 5 6 7 8 9 9 10				OH
11 , що		STATE	а.	

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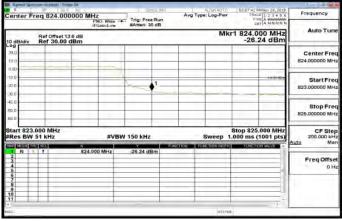
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Band26_Part90s_5MHz_QPSK_25_0_LowCH26715-816.5

- Gigment right	An any state of the					10 4 83
Center Fr	reg 814.0	00000 MHz	Trig: Free Run	Aug Type: Log-Pwr	02145-22 WINDO 29, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW LET A NNNNN	Frequency
10 dB/div	Ref Offset Ref 30.0	IFGain:Low	#Atten: 30 dB	Mk	r1 814.000 MHz -29.24 dBm	Auto Tune
20.0 10.0	_					Center Free 814.000000 MH;
-10:0			1	-		Start Free 813.000000 MH
-40.0 -60.0 -60.0						Stop Fre 815.000000 MH
Start 813. #Res BW	51 kHz	#VB	W 150 kHz	Sweep 1	Stop 815.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1	1	814.000 MHz	-29.24 dBm			Freq Offse 0 H
5 6 7 8 9 10 11						
e Neșci				STATU		

Band26_Part90s_5MHz_QPSK_25_0_HighCH26765-821.5



Band26_Part90s_10MHz_QPSK_1_0_LowCH26740-819

Against Spectrum Analysis (Joseph Sa				10 4 23
R 48 1.50 - 90	Trig: Free Run	Avg Type: RMS Avg/Hold: 100/100	02138100 PMNov 29, 2038 TRACE 1 2 3 4 5 6	Frequency
	PhiO: Wide Trig: Free Run IFGain:Low #Atten: 30 dB	Avginoid: 100/100	LET A NNNNN	1
Ref Offset 13.5 dB Ref 30.00 dBm	1 814.000 MHz -13.373 dBm	Auto Tune		
20.0				Center Free 814.000000 MH;
0.00 100 200	and the second s	Non-Nor		Start Free 813.000000 MHs
40.0 50.0 mm				Stop Fred 815.000000 MHb
Start 813.000 MHz Res BW 100 KHz	#VBW 300 kHz*		Stop 815.000 MHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N f 8 2 3 4	14.000 MHz -13,373 dBm			Freq Offse 0 Ha
5 6 7 8 9 10 11				
NI I I I		STATU		

Band26_Part90s_10MHz_QPSK_1_49_HighCH26740-819

Againer (percenta)	Street Company Sal		ALISTANTE	02138 39 PM Nov 29, 2018	10.4.6
	PtiO: Wide +++	Trig: Pree Run	Avg Type: RMS Avg[Hold: 100/100	TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref	iFGaind.ow Offset 13.5 dB '30.00 dBm	SAtten: 30 dB	Mk	r1 824.000 MHz -15.006 dBm	Auto Tun
29.0 19.0					Center Fre 824.000000 MH
0.00 100 0000000000000000000000000000000	have a second	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mann	1910-064	Start Fre 823.000000 MH
40.0 60.0 60.0			- m	mm	Stop Fre 825.000000 MH
Start 823.000 Res BW 100	MHz kHz #VBW :	300 KHz*		Stop 825.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kF
	824.000 MHz	-15.006 dBm	FUNCTION FUNCTION WORK	PLANETICN VALUE	Auto Ma
2 N 1 3 4 5 6	824.058 MHz ·	-13.552 dBm			Freq Offse
7 8 9 10					
11		-	STATU	· · · · ·	

Band26_Part90s_10MHz_QPSK_50_0_LowCH26740-819

a great the	COLUMN AN INVESTIGATION	and the	10 at 10			10 4 63
Center F	reg 814.0	00000 MHz PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	02138 54 PM Nov 29, 2038 TRACE 1 2 3 4 5 6 THE A WINN N	Frequency
10 dB/div	Ref Offset Ref 30.0	iFGain:Low 13.6 dB 0 dBm	#Atten: 30 dB	Mk	1 814.000 MHz -26.66 dBm	Auto Tune
30.0 10.0	_					Center Freq 814.000000 MHz
0.00 -10 0 -20 0				5.000 C		Start Freq 813.000000 MHz
40.0						Stop Fred 815.000000 MHz
Start 813 #Res BW		#VE	3W 300 kHz		Stop 815.000 MHz .000 ms (1001 pts)	CF Step 200.000 kH: Auto Mar
1 N 2 J 4 5 6 7 7 8 9 10	1	814.000 MHz	-26.66 dBm		6	Freq Offset 0 Hz
11 , (45)	1.1			STATU		

Band26_Part90s_10MHz_QPSK_50_0_HighCH26740-819

against filmstering an sub-				The second second		10 4 6			
Center Freq 824	PNO: Wide -	Trig: Free Run	Avg	Type: Log-Pwr	02:39:86 PMMor 29, 203 TRACE 1:2:3:4:5 THE A WWWW	Frequency			
10 dB/div Ref 3	In Connect 135 dB Excit AMANA 0 484div Ref 30.00 dBm24.68 dBm24.68 dBm								
20.0 10.0			_			Center Fre 824.000000 MH			
0.00 -10.0 -20.0	6	1 miles			-000-0	Start Fre 823.000000 MH			
40.0 50,0 60.0						Stop Fre 825.000000 MH			
Start 823.000 MH Res BW 100 kH		N 300 kHz	1	Sweep 1	Stop 825.000 MH .000 ms (1001 pts	Z CF Ste 200.000 kH			
1 N 1 7 2 3 4 5	824.000 MHz	-24.68 dBm	PUNCTION		PM/GTON VALUE	Freq Offs			
5 6 7 8 9 10 11									
eso i				STATU					

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Band30_5MHz_QPSK_1_0_LowCH27685-2307.5

allan ibre	An any state of the					10 4 63
Center Fr	req 2.3050	DOODOO GHZ	Trig: Pree Run	Aug Type: Log-Pwr	10:21:49 AMDec 14, 2018 TRACE 1 2 3 4 5 6 Tree A WWWWW CET A NNNNN	Frequency
10 dB/div	Ref Offset	iFGain:Low	#Atten: 30 dB	Mkr1	2.305 000 GHz -33.91 dBm	Auto Tune
20,0 10.0	_					Center Free 2.305000000 GH
-10'0	_		1200	1 3	-000-050	Start Free 2.304000000 GHz
-30.0 -40.0 -60.0 -60.0						Stop Free 2.306000000 GH
Start 2.30 #Res BW			W 150 kHz	Sweep 1	Stop 2.306000 GHz .000 ms (1001 pts)	CF Ster 200.000 kH Auto Ma
1 N 1 2 3 4 5	ſ	2,305,000 GHz	-33.91 dBm	NETON FUNCTION WOTH	PURCI DR VALKE	Freq Offse 0 H
5 6 7 8 9 10						
inter the second	4. 4			STATU		

Band30_5MHz_QPSK_25_0_HighCH27735-2312.5

10.4				_				154	An any set of The	(Beerings	Gilmon.
Frequency	7/23 AM Dec 14/2018	18:22	Type: Log-Pwr	-	Bride IVI	12000	Hz PNO: Wide -	00000 0	2.3150	Free	enter
	DET A NNNN N				30 dE	#Atten:	PNO: Wide -				
Auto Tun	5 000 GHz 36.89 dBm	1 2.31	Mkr1					4.1 dB dBm	f Offset 1 of 30.00	vF	dB/di
Center Fre											
2.315000000 GH	-	_	_	_	-	-	-	-		_	10
	_	-		_	-		-	-		_	00
Start Fre		-	_	-	-	-					20
2.314000000 GH	-	-	-	-		-	-	-		-	0.0
		-	-		¢1-	-	-	-			0.0
Stop Fre					-			-		-	0.0
2.316000000 GH						-		1		_	0,0
				-	-	-			-	-	
CF Ste 200.000 kF	.316000 GHz ns (1001 pts)				z	N 150 KH	#VB		NO GHZ		art 2. Res B
Auto Ma	METION VALUE	H PL	FUNCTION MOTOR	PUNCTO		¥		×		NAME OF	R MOIN
Freq Offse				_	nsm	-36.89 d	000 GHz	2,315		1	2
OF					-		-		-		4
	- 1		-		-		-		-		5
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				_	-				-		9
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		THE.	STATE								s).

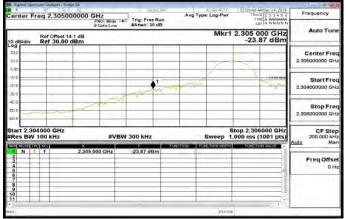
Band30_5MHz_QPSK_1_24_HighCH27735-2312.5

Agricol (percenter Arrayper) Science Sa			ALIGHT	10 10/26/36 AM Dec 14, 2018	10.4
Center Freq 2.315000000	PNO: Wide	Trig: Free Run	Avg Type: Log-P		Frequency
Ref Offset 14.1 dB 10 dB/div Ref 30.00 dBm	iFGain:Low	#Atten: 30 dB	M	kr1 2.315 000 GHz -31.88 dBm	Auto Tun
30.0					Center Fre 2.315000000 GH
0.00		-		-1000-050	Start Fre 2.314000000 GH
40.0 50.0 60.0			~~~~		Stop Fre 2.316000000 GH
Start 2.314000 GHz Res BW 51 kHz	#VBW	150 kHz	Sweet	Stop 2.316000 GHz 1.000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N f 2.31	5 000 GHz	-31.88 dBm	UNCTION THUNCTION W	IDTHI FUNCTION WALKE -	
3 4 5 6 7 7 8 9 9					Freq Offse 0 H
193)			5	TATUB	1

Band30_5MHz_QPSK_25_0_LowCH27685-2307.5

10.4	18:22:41 AMDec 14, 2038	ALIMANATE				134	An any state of the	Gilmon Mann
Frequency	TRACE 1 2 3 4 5 6 TITLE A WWWWW	Type: Log-Pwr		Trig: Free Run	NO: Wide	PN	eq 2.3050	enter Fr
Auto Tun	2.305 000 GHz -37.86 dBm	Mkr1		eAtten: 30 dB	Gain:Low	1.1 dB	Ref Offset	10 dB/div
Center Fre 2.305000000 GH			-					30.0 10.0
Start Fre 2.304000000 GH	romda		1	1				0.00 10 0 20 0
Stop Fre 2.306000000 GH				-				40 0 50,0 60,0
CF Stej 200.000 kH Auto Ma	top 2.306000 GHz 000 ms (1001 pts)	Sweep 1.	FUNCTION	150 kHz	#VBW	×	51 kHz	Start 2.304 Res BW
Freq Offse 0 H				-37,86 dBm	IO GHZ	2,305,000	1	1 N 1 234 56
	+*							5 6 7 8 9 10 11
		STATUS						495

Band30_10MHz_QPSK_1_0_LowCH27710-2310



Band30_10MHz_QPSK_1_49_HighCH27710-2310

agent (per	in an analyzer 1 5 m	gt 54				
Center F	req 2.3150	00000 GHz	Trig: Free Buo	Avg Type: Log-Pwr	10:30:55 AMDec 14, 20:8 TRACE 1 2 3 4 5 6 TITLE A WWWWW DET A NNNNN	Frequency
10 dB/div	Ref Offset 1 Ref 30.00	iFGain:Low 4.1 dB dBm	#Atten: 30 dB	Mkr1	2.315 000 GHz -27.02 dBm	Auto Tun
-og 20.0 10.0						Center Fre 2.315000000 GH
0.00 10.0 20.0	2	1	monte		-10 (D (C (S	Start Fre 2.314000000 GH
40 0 50,0 50,0				The Department of the		Stop Fre 2.316000000 GH
	4000 GHz 100 kHz	#VE	SW 300 KHz	Sweep 1	Stop 2.316000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 2 3 4 5 6		2.315.000 GHz	-27.02 dBm			Freq Offse 0 H
7 8 9 10 11						
, NESO				STATU		

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Band30_10MHz_QPSK_50_0_LowCH27710-2310

against Sherrow	An any state of the second second					10 4 63
Center Free	2.305000000	GHZ	Trig: Free Run	Avg Type: Log-Pe	1013110 AMDec 14, 2018 TRACE 1 2 3 4 5 6 TIME A WWWWW CET A NNNN N	Frequency
	tef Offset 14.1 dB Ref 30.00 dBm	iFGain:Low	#Atten: 30 dB	Mk	1 2.305 000 GHz -26.55 dBm	Auto Tune
20,0 10.0		_				Center Free 2.305000000 GH
0.00 -10'0 -20:0			milar	short	- 10 (D + 1) (D	Start Free 2.304000000 GH
40.0						Stop Fre 2.306000000 GH
Start 2.3040 #Res BW 10	0 kHz	#VBV	V 300 KHz	Sweep	Stop 2.306000 GHz 1.000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 2 3 4	1 2.30	5.000 GHz	-26.55 dBm			Freq Offse 0 H
5 6 7 8 9 10 11						
Nega				578	TUB	

Band38_5MHz_QPSK_1_24_HighCH38225-2617.5

Frequency	M Dec 84. 2018	TRAC	Log-Pwr	Avg Ty		Trig: Fre	O: Wide	0000 GH	2.62000	Freq	nter	Cer
Auto Tur	00 GHz 11 dBm	2.620 0	Mkr1		io dB	#Atten: 3	ain:Low	1 dB	Offset 14	Re	dB/div	
Center Fre 2.62000000 GP							~	1			0 0	20,0 10.0
Start Fre 2.619000000 GH	entrages				1	land a		2		301	0	0.00
Stop Fre 2.621000000 GH	1 mp	1. 1. Sec.	à d	2~							0	-10 0 -40 0 -50 0 -60 0
CF Ste 200.000 ki Auto Mi	1000 GHz 1001 pts)	.000 ms (150 kHz	#VBW	*	Hz	61900 W 51	es Bl	#Re
Freq Offs 01						-22.11 di	GHz	2,620,000		1 1	N	12345
			_	_								6 7 8 9 10
-	- F.		STATUS		-	-			1	-		

Band30_10MHz_QPSK_50_0_HighCH27710-2310

Agence (percent Arrayer) house 54			ALIWANTE	10(31:31 4M/Dec 14, 2018	10 4 63
Center Freq 2.31500000	0 GHz	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 2 4 5 6	Frequency
Ref Offset 14.1 dB	II GARAGE M	#Atten: 30 dB	Mkr1	2.315 000 GHz -32.95 dBm	Auto Tune
30.0 10.0					Center Free 2.315000000 GH
0.00 -100 -200		1			Start Free 2.314000000 GH
40.0					Stop Free 2.316000000 GH
Start 2.314000 GHz #Res BW 100 kHz	#VBW 3	100 KHZ		Stop 2.316000 GHz 1.000 ms (1001 pts)	CF Stej 200.000 kH Auto Ma
No. F 2.3 1 1 7 2.3 3 3 3 3 4 5 6 6 7 8 9 9 10 11 - -		-32.95 dBm	Purk-now when		Freq Offse 0 H
nipa -			STATE	,	1

Band38_5MHz_QPSK_1_0_LowCH37775-2572.5

R and a state of the state of t	R	L sense mil	ALD H WIND	02.06:51 PM Dec 04, 2018	10.4
enter Freg 2.570000	PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	TRACE 123456	Frequency
Ref Offset 14.1 0 dB/div Ref 30.00 dE	dB	aAtten: 30 dB	Mkr1 :	2.570 000 GHz -21.05 dBm	Auto Tun
10.0		_			Center Fre 2.570000000 GH
00 00 00		~1-		man and	Start Fre 2.569000000 GH
	Part of the second s				Stop Fre 2.571000000 GH
tart 2.569000 GHz Res BW 51 kHz	, · · · · · · ·	150 kHz	Sweep 1.	op 2.571000 GHz 000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
22 1227122 11224 12141 N 1 7 2 3 4 5 6 7 8	2.570.000 GHz	-21.05 dBm	NETION FUNCTION WIDTH	PARATERNAME +	Freq Offse 0 H
S 6 7 7 9 9 10		~	STATUS		

Band38_5MHz_QPSK_25_0_LowCH37775-2572.5

against They	Income days any page 1	1					-			10 4 23
Center Fi	req 2.57	0000000 GH	D: Wide	Trig: Free	Run	Avg T	Activity work	02.10:51	1 2 3 4 5 6 A NNNN	Frequency
10 dB/div	Ref Offse Ref 30.	t 14.1 dB	alin:Low	#Atten: 30	dB		Mkr1	2.570 0	00 GHz 89 dBm	Auto Tune
20.0 10.0	_		_		_					Center Free 2.570000000 GH
0.00 -10'0 -20:0			_		1	,				Start Fred 2.569000000 GH:
40 0 50,0 60,0	~~~									Stop Free 2.571000000 GH
Start 2.56 Res BW	51 kHz	z	#VBW	V 150 KHz	1	CTEW -	Sweep 1	.000 ms (1000 GHz 1001 pts)	CF Stej 200.000 kH Auto Ma
1 N 1	1	2,570.000	GHz	-29.89 dB						Freq Offse 0 H
2 4 5 6 7 8 9 10 11										
eso i							57ATH			

Band38_5MHz_QPSK_25_0_HighCH38225-2617.5

10.4	The second second second second	-			_	- 13	- Annent (1	an Maxim	- Q/J 8
Frequency	02:15:10 PM Dec 04, 2018 TRADE 1 2 3 4 5 6	Type: Log-Pwr	Avg	SERIELIN	Hz	000000 G	q 2.620	er Fre	Cent
	LET A NNNN N			Trig: Free Run #Atten: 30 dB	PNO: Wide	1			
Auto Tun	2.620 000 GHz -29.30 dBm	Mkr1	~			14.1 dB 0 dBm	Ref Offset Ref 30.0	Idiv	10 dB
Center Free 2.620000000 GH									30,0 10.0
	and the second se	_			N.			~	0.00
Start Free 2.819000000 GH				1-			-	-	20.0
Stop Fre					1	-	-	-	40.0
2.621000000 GH			_			-			60.D
CF Stej 200.000 kH Auto Ma	top 2.621000 GHz 000 ms (1001 pts)	Sweep 1.		150 kHz	#VBW		000 GHz 1 kHz	2.619 BW 5	
Auto Ma	PLANETICIN VALUE	FUNCTION WIDTH	PONETION	-29 30 dBm	00 GHz	2,620.0	1		
Freq Offse 0 H									2345
							-		5 6 7 8 9 10
	+			_					10
		STATUS							665

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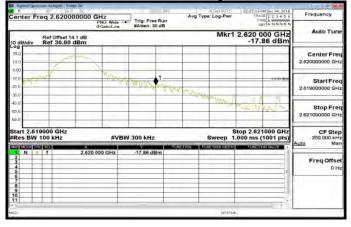
Band38_10MHz_QPSK_1_0_LowCH37800-2575

aginet gentem Anarytet i See	at 34		7		10 4 63
Center Freq 2.57000	PNO: Wide +P	Trig: Pree Run	Aug Type: Log-Pwr	123456 TRACE 123456 TIME 23456	Frequency
10 dB/div Ref 30.00		#Atten: 30 dB	Mkr1	2.570 000 GHz -15.87 dBm	Auto Tune
20,0 10.0		-	1		Center Free 2.570000000 GH
-10 0	MANY	when the second	AND SINN	- and a construction	Start Free 2.569000000 GH:
40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A Contraction of the second se				Stop Free 2.571000000 GH
Start 2.569000 GHz #Res BW 100 kHz	#VBW			Stop 2.571000 GHz .000 ms (1001 pts)	CF Stej 200.000 kH Auto Ma
1 N 1 f 2 3 4 5 6 6 6 7 8 9 10 10 10	2.570 000 GHz	-15.87 dBm			Freq Offse 0 H
11			STATU		

Band38_10MHz_QPSK_50_0_HighCH38200-2615

Frequency	H Dac 04. 2018 1 2 3 4 5 6 A ANNNN	TRAC	Log-Pwr	Avg Ty		12000	Z O: Wide -+	00000 GH	2.6200	Freq	^R nter
Auto Tun	00 GHz 74 dBm		Mkr1					4.1 dB	of Offset 1 of 30.00		dB/di
Center Fre 2.62000000 GH			_	-		_				_	0 0
Start Fre 2.619000000 GH					1	march	annu				
Stop Fre 2.521000000 GH		Yes me									0
CF Ste 200.000 kH Auto Ma		.000 ms (Sweep 1.		Pier	300 kHz	#VBW	*		6190 W 10	es B
Freq Offse 0 H						-28.74 di	GHz	2,620.00		1	N
	- × .		STATUS			-					

Band38_10MHz_QPSK_1_49_HighCH38200-2615



Band38_10MHz_QPSK_50_0_LowCH37800-2575

10 4 2	02.80105 PM Dec 84, 2018	ALINA MATE	- 1.	JERISE INI		TR /	Anayzet 1 5-	R.
Frequency	TRACE 123456	: Log-Pwr	Avg Ty	rig: Free Run	ide -+-	PNO: Wid	eq 2.57000	enter Fi
Auto Tun	2.570 000 GHz -29.18 dBm	Mkr1	_	Atten: 30 dB	Low	iFGaintLo	Ref Offset 14	0 dB/div
Center Fre 2.57000000 GH	20.10 0.00		-				Rel 30.00	og 30,0 10.0
Start Fre 2.569000000 GH	1000169	C	MARA	n. Anto				1.00 10 0 20 0
Stop Fre 2.571000000 GH				Con con	- may			10 0 20,0
CF Stej 200.000 kH Auto Ma	op 2.571000 GHz 000 ms (1001 pts)			X	¢VBW	×	C 1993	Res BW
Freq Offse 0 H				9.18 dBm	iz	2,570,000 GHz	1	N 23456
								5 6 7 8 9 10
-		STATUS						(a)

Band38_15MHz_QPSK_1_0_LowCH37825-2577.5

Against Sheers were been a set					10 4 63
R 50 - 10	PtiO: Wide -+	Trig: Pree Run	Aug Type: RMS Avg Hold: 100/100	TPACE 1 2 3 4 5 6 TPACE 1 2 3 4 5 6 TOTE A NUMBER	Frequency
Ref Offset 14.1 dB	IFGaintLow	#Atten: 30 dB	Mkr1	2.570 000 GHz -14.754 dBm	Auto Tune
20.0 19.0					Center Freq 2.57000000 GHz
0.00 100 200 300 400 mm 10 mm 10 mm 10 mm	mannan	synthe way	MANAMANAN MANAN		Start Freq 2.56900000 GHz
40.0					Stop Freq 2.571000000 GHz
Start 2.569000 GHz #Res BW 200 kHz	#VBW	620 KHZ*	Sweep 1	Stop 2.571000 GHz 1.000 ms (1001 pts)	CF Step 200.000 kH; Auto Mar
2 N f 2,6 3 4 6 7 8 9 9	70 000 GHz 69 900 GHz	-14.754 dBm -13.368 dBm	ANCTRONE FURDERICHEMISER	FILMULT 12/24/04/14/2	Freq Offset 0 Hz
11		~	STATE	s	

Band38_15MHz_QPSK_1_74_HighCH38175-2612.5

16.4				-				mant i	- A)(1000 100	- Q.
Frequency	TRACE 1 23456 TRACE 1 23456 THE A WINNIN	ALIBRAUTO He: RMS d: 100/100	Avg	e Run	Trig: Pre-	tiO: Wide	18.1	5,0	-		R
Auto Tun	2.620 000 GHz			30 dB	#Atten: 3	GaintLow	4	Offset 14	Ref	_	
	-15.562 dBm	_		-	-			30.00		Bidiv	10 d
Center Fre 2.62000000 GH		-		-				~		-	29.0 19.9
StartFre				1'	a Watery	ALEMAN ALA	M		-		0.00
2.819000000 GH	eppertry would be plant	Anal was	the way	why !	Andreal	1 414	-	_			20.0
Stop Fre 2.621000000 GH			-	-			-	_	-	-	40.0 50.0 60.0
CF Ste 200.000 kH Auto Ma	top 2.621000 GHz .000 ms (1001 pts)		MET FOR		620 kHz	#VB	×	kHz	19000 / 200 k	S BW	Re
Freq Offse				Bm	-15,562 di	0 GHz	2,620.0		1 1	N	
											2345678910
line II					-						10
		STATUS								_	50

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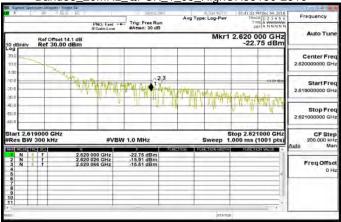


Report No.: E2/2018/B0069 Page 245 of 510

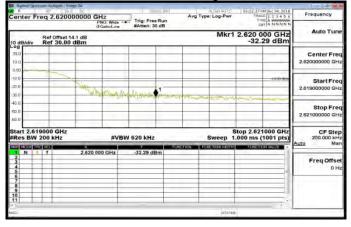
Band38_15MHz_QPSK_75_0_LowCH37825-2577.5

Cigment (pr	Anarytei (Se	ent sa	DERISE IVI	ALIGH WATCH	61.46:57 PM Dec 84, 2018	10 4 63
Center F	req 2.5700	PNO: Wide -	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
10 dB/div	Ref Offset 1 Ref 30.00		#Atten: 30 dB	Mkr1	2.570 000 GHz -32.16 dBm	Auto Tuni
20,0 10.0	_					Center Fre 2.570000000 GH
0.00				- ANALMANNA	1000-000	Start Fre 2.569000000 GH
40 0 50,0 60 0	rownyndaynawr	and the second	- MARK SAMES B	- Ada h e ca a e		Stop Fre 2.571000000 GH
	69000 GHz 200 kHz	#VB	W 620 kHz		Stop 2.571000 GHz .000 ms (1001 pts)	CF Ste 200.000 ki Auto M
1 N 2 3 4 5 6	1	2.570 000 GHz	-32.16 dBm			Freq Offs 0 F
0 7 8 9 10 11						
* 190				STATU	+	

Band38_20MHz_QPSK_1_99_HighCH38150-2610



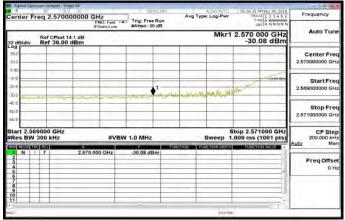
Band38_15MHz_QPSK_75_0_HighCH38175-2612.5



Band38_20MHz_QPSK_1_0_LowCH37850-2580

- Orderent Street over over 1 1	1 Sa		ALIMONIAL	DE GALLARN DAG IM., DELR	10.4
	PNO: Fast +	Text to a lot	Avg Type: RMS Avg/Hold: 100/100	TRACE 123456	Frequency
	iFGain:Low	#Atten: 30 dB	eriğinina. Tanıras	DET A NNNN N	A CONTRACTOR OF
Ref Offset 14 0 dB/div Ref 30.00 c		~ ~	Mkr	2.570 000 GHz -26.072 dBm	
ng					Center Fre
9.9			1	1	2.570000000 GH
0.0		2	Mart Martin Party	and counce	Start Fre
0.0	mar Beeland	WHAT WAT ANY	The state of the second second		2.569000000 GH
CO NAVANAVA	between the state of the state	all all			
0,0					Stop Fre 2.571000000 GH
0.0		-			2.571000000 GH
tart 2.569000 GHz Res BW 300 kHz		W 1.0 MHz*		Stop 2.571000 GHz	CF Ste
Res Boy 300 KHz	**VB		метон понстоя мото		Auto Ma
	2,570 000 GHz 2,569 990 GHz	-26.072 dBm -15.794 dBm			
4					Freq Offse
2 N 1 3 4 5 6 7 8 9 9 1					-
8					
10					
U					

Band38_20MHz_QPSK_100_0_LowCH37850-2580



Band38_20MHz_QPSK_100_0_HighCH38150-2610

Agment (genteum Analyzes Smith 54				0 4 63
Center Freq 2.620000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	01.42-19 PM Dec 04, 2018 TRACE 1 2 3 4 5 6 TITLE A WWWWW	Frequency
iFGain:Low	#Atten: 30 dB			Auto Tune
10 dB/div Ref 30.00 dBm		Mkr1	2.620 000 GHz -33.86 dBm	Auto Tune
200				Center Fred 2.62000000 GHz
0.00 -1070			-1000-000	StartFree
Which say a si	mailute main and		for the second of the second of the second	2.619000000 GH2
60.0				Stop Free 2.621000000 GH
	W 1.0 MHz	Sweep 1	Stop 2.621000 GHz .000 ms (1001 pts)	CF Step 200.000 kH: Auto Mar
N 1 1 2,620 000 GHz	-33.86 dBm	ICTION FUNCTION WIDTH	PUNCTION VALUE	11010
2 3 4				Freq Offse 0 Hz
5 6 7 8 9 9		_		1
ji I I I				

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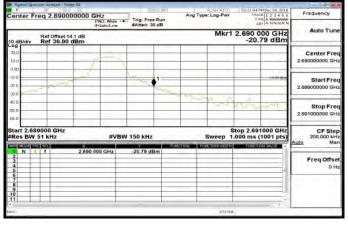
Band41_5MHz_QPSK_1_0_LowCH39675-2498.5

Bigines Theorem The	Nyuel I Sniege Sa				0 4 23
Center Freq 2	496000000 GHz	Trig: Free Run	Aug Type: Log-Pwr	D3/08/06 PM Dec D4, 2018 TRACE 1 2 3 4 5 6 Trace A WWWW	Frequency
	iFGain:Low Offset 14.1 dB 30.00 dBm	#Atten: 30 dB	Mkr1	2.496 000 GHz -21.10 dBm	Auto Tune
20,0			V-V-		Center Free 2.496000000 GH
10.00 -10'0 -20:0 -30:0		1-	1 5		Start Free 2.495000000 GH
40.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	and pro				Stop Free 2.497000000 GH
Start 2.495000 #Res BW 51 kF		3W 150 kHz		Stop 2.497000 GHz .000 ms (1001 pts)	CF Stej 200.000 kH Auto Ma
N 1 7 3 4 5 6 7 8 9	2,496 000 GHz	-21.10 dBm			Freq Offse 0 H
9 10 11			ITATE		

Band41_5MHz_QPSK_25_0_HighCH41565-2687.5

R.	1 1 1 5	A Re L	SERIES INT	ALIM WITE	03:12:10 PM Dec 04. 2018	Frequency
Center	Freq 2.690	000000 GHz PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TITLE A WARNAW	· · · · · · · · · · · · · · · · · · ·
10 dB/div	Ref Offset Ref 30.0	14.1 dB	and an an an	Mkr1	2.690 000 GHz -31.77 dBm	Auto Tun
20,0	_					Center Fre 2.69000000 GH
0.00 -10:0 -20:0			1			Start Fre 2.689000000 GH
30.0 40.0 60.0			- And			Stop Fre 2.691000000 GH
Start 2.6	89000 GHz V 51 kHz		SW 150 KHz		top 2.691000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 2 3 4 5	1 1	2,690 000 GHz	-31.77 dBm			Freq Offse 0 F
6 7 8 9						
11	1.1.			STATU		

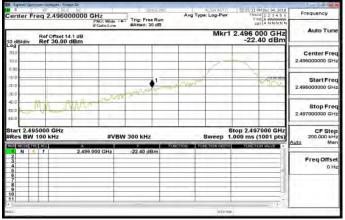
Band41_5MHz_QPSK_1_24_HighCH41565-2687.5



Band41_5MHz_QPSK_25_0_LowCH39675-2498.5

- Bigment The	A DESCRIPTION OF THE PARTY OF T	i Toma Sa							10 4 63
Center F	req 2.4	6000000	PNO: Wide	Trig: Pree F	สมก	Avg Type: Log-		SIGA IM Dec D4, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW	Frequency
10 dB/div	Ref Off	et 14.1 dB .00 dBm	IFGain:Low	BAtten: 30	ue.	М		6 000 GHz 30.97 dBm	
20,0 10.0	_		-		_				Center Free 2.496000000 GH
0.00 -10 ⁰ -20 0					1,200			entirages	Start Free 2.495000000 GH
-30.0 -40.0 -60.0	~						-		Stop Free 2.497000000 GH
Start 2.4 #Res BW		łz	#VBV	V 150 kHz			p 1.000 r	.497000 GHz ns (1001 pts)	
		2,495.0	000 GHz	-30,97 dBr			ADIAL PL	ANG TIGIN VALUE	Freq Offse
5 6 7 8 9 10 11									
11 , (15)	1.1				-	,	TATUS		1

Band41_10MHz_QPSK_1_0_LowCH39700-2501



Band41_10MHz_QPSK_1_49_HighCH41540-2685

again (processing) i loop 52					10 4 23
R 50 K		Trig: Pree Run	Avg Type: RMS Avg(Hold: 100/100	TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6 THE A WOMEN'N N	Frequency
Ref Offset 14.1 dB 10 dBJdiv Ref 30.00 dBm	IFGaintLow	EAtten: 30 dB	Mkr1	2.690 000 GHz -16.911 dBm	Auto Tune
199	1				Center Free 2.69000000 GH
100 100 200 200	Mr. Abres	Monthow	m.	100040	Start Free 2.889000000 GH
40.0 40.0 60.0			mon	hondute	Stop Free 2.691000000 GH
Start 2.689000 GHz Res BW 100 kHz	#VBW 3			Stop 2.691000 GHz .000 ms (1001 pts)	CF Stej 200.000 kH Auto Ma
1 N f 2,69 2 3 4	0 000 GHz -1	6.911 dBm			Freq Offse
5 6 7 8 9 10					
11			STATU	, *	

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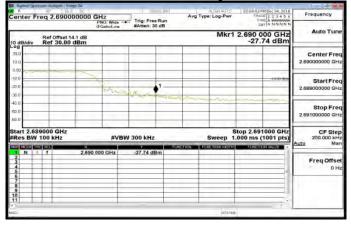
Band41_10MHz_QPSK_50_0_LowCH39700-2501

Singe Sk				0 4 13
6000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
iFGaintLow	#Atten: 30 dB	Mkr1		Auto Tun
				Center Fre 2.496000000 GH
	- Law	www.ahad		Start Fre 2.495000000 GH
a toma and the				Stop Fre 2.497000000 GH
		Sweep 1	.000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
2,496 000 GHz	-26.13 dBm			Freq Offse 0 H
	(FGain/Low 00 dBm	Size Size <td< td=""><td>Augurates and an analysis and an an</td><td>Augustation and a service of the ser</td></td<>	Augurates and an analysis and an	Augustation and a service of the ser

Band41_15MHz_QPSK_1_74_HighCH41515-2682.5

agnen igennam annyter i Smith Sa				10.4
Center Freq 2.690000000 GHz	Trig: Free Run	Aug Type: Log-Pwr	02:51:42 PM Dec 04, 2018 TRACE 1 2 3 4 5 6 Trate A WWWWW	Frequency
iFGain:Low Ref Offset 14.1 dB	#Atten: 30 dB	Mkr1	2,690 000 GHz	Auto Tun
00 dBJdiv Ref 30.00 dBm			-21.75 dBm	Center Fre 2.69000000 GH
0.00 10.0 20.0	Nerthyp	and the second	and a run a a	Start Fre 2.689000000 GH
40.0 50.0 60.0		11 100 P	and satural	Stop Fre 2.691000000 GH
Start 2,689000 GHz Res BW 200 kHz #VBW	620 kHz		top 2.691000 GHz 000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
N 1 7 2,690 000 GHz	-21.75 dBm			Freq Offs 0 F
9 8 9 10				
45		STATUS	+	

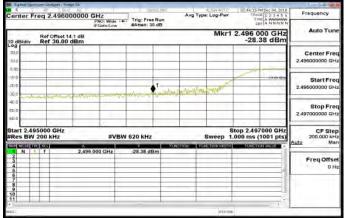
Band41_10MHz_QPSK_50_0_HighCH41540-2685



Band41_15MHz_QPSK_1_0_LowCH39725-2503.5

R	Common Add and party	SAL R.		SERVED.	201	ALIGH MATC	1241354	M Dave IM., 2018	10 4 23
		E.	NO: Wide -	Trig: Free Ru	n Avg	Type: RMS Hold: 100/100	TRAC	123456 A WWWWW	Frequency
		iF	GainsLow	#Atten: 30 dB	<u>0</u> 0			NU STORES	Auto Tune
0 dBJdiv	Ref Offs Ref 30	et 14.1 dB .00 dBm				Mkr	1 2.496 0	00 GHz 94 dBm	Auto / un
310	_	-							Center Free
19.9		-					1		2.49600000 GH
0.00				1		Man Marine			Start Free
20.0		Talk of Actin	m.m.	WWWWWWWW	whenly	Bullord R			2.496000000 GH
20 100	ALAN WYA	A. M. A. A.	- 1V.	× 1 1			-		
50.0									Stop Free
60.0	-	-	-		_	-	-	_	2.497000000 GH
	5000 GH						Stop 2.497		CF Step
Res BW	200 kHz	×	#VB	W 620 kHz*	-	Sweep	1.000 ms (200.000 kH Auto Mar
T N	1	2,496 00	0 GHz	-19,094 dBm -14,448 dBm	PONE (IDN)			-	
3 4	11	2.420 20	o on the	-Telano denti			-		Freq Offse
5								-	915
7 8									1
2 N 3 4 5 6 7 8 9 9 10					_				
11 1	1.1		-	-			-	- F.	
(2)						57818	10		

Band41_15MHz_QPSK_75_0_LowCH39725-2503.5



Band41_15MHz_QPSK_75_0_HighCH41515-2682.5

04				-			at SA	Pyter See	0	ann i Ba	1 Q.
Frequency	02.5218 PN Dec 04. 2018 TRACE 1 2 3 4 5 6 Trate A WWWW	ALIM NOTO pe: Log-Pwr	Avg	e Run	120.00	Hz PNO: Wide -	00000 G	.69000	req 2	ter F	en
Auto Tun			_		#Atten: 3	FGain:Low	-			_	_
Hato fui	2.690 000 GHz -28.27 dBm	Mkr1	-			-		Offset 14 30.00		BJdiv	ID di
Center Fre			-	-		-	-	_	_	1	30,0
2.69000000 GH		-	-	-		-	-	-		-	10.0
	10000							~		-	10.00
Start Fre 2.889000000 GH			-	1	-		-			1	20.0
2.00000000000	La contra c	-	and the state	N.C.	Mirria.	adrive a	10	_	-	-	30.0
Stop Fre			-					-	-	-	40.0
2.691000000 GH											60,03 60,03
CF Ste 200.000 kH	op 2.691000 GHz 000 ms (1001 pts)	Sweep 1.			V 620 KHz	#VB	-		39000 200 H		
Auto Ma	FUNCTION VALUE	UNCTION WIDTH	UNICTION		-28.27 di	00 GHz	8	_		N N	991
Freq Offse				em	-20.27 50	SO OFIX	2,009.0				2345
				_						-	6 7 8 9
			-								10
					-	-		-	1.1	-	11
		STATUS								_	ş5 i

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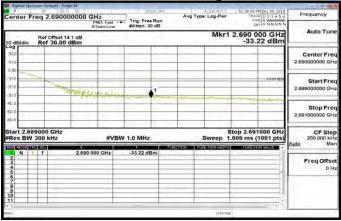
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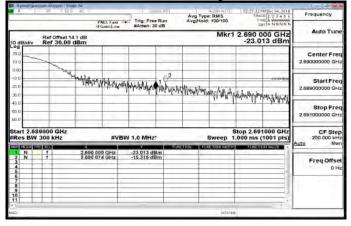
Band41_20MHz_QPSK_1_0_LowCH39750-2506

anne ferrer anne	oet i Smege S4				10 4 83
Center Freq 2.4	96000000 GHz PN0: Fast -	Trig: Free Run	Auton wato Avg Type: Log-Pwr	02:22:28 PM Dec 04: 2018 TRACE 1:2:3:4:5:6 Tree A WWWWW	Frequency
10 dB/div Ref 3	IFGain:Low IFGain:Low	#Atten: 30 dB	Mkr1	2.496 000 GHz -26.15 dBm	
20,0 10.0					Center Freq 2.496000000 GHz
100 -100 -200	A MARINA MANANA	WWWWW WW	AN MANY MANAG		Start Freq 2.495000000 GHz
40.0 (60,0 (60,0	trat of a	d measure			Stop Freq 2.497000000 GHz
Start 2.495000 G #Res BW 300 kH		W 1.0 MHz		Stop 2.497000 GHz .000 ms (1001 pts)	CF Step 200.000 kHz Auto Man
N 17 2 3 4 5 6 7 8 9 10 11	2,496 000 GHz	-26,15 dBm			Freq Offset 0 Hz
Itaja		-	STATU		

Band41_20MHz_QPSK_100_0_HighCH41490-2680



Band41_20MHz_QPSK_1_99_HighCH41490-2680



Band41_20MHz_QPSK_100_0_LowCH39750-2506

1,0,14 💼	62-28-23 PH Dec 84, 2018	ALINH WITC	_	DERING IN		E BC	41 Miguel 1 5-10	1 8	R
Frequency	TRACE 1 2 3 4 5 6	Type: Log-Pwr	Av	Trig: Free Run	PNO: Fast ++	00000 G	2.4960	Freq	nter
Auto Tun	2.496 000 GHz -30.42 dBm	Mkr1		#Atten: 30 dB	FGain:Low	4.1 dB	f Offset 1	Re	dB/div
Center Free 2.49600000 GH				_				_	g 10
Start Free 2.496000000 GH	- comites	MANAN	(news)	1-					0
Stop Free 2.497000000 GH							and a second second		
CF Ster 200.000 kH Auto Mar	top 2.497000 GHz 000 ms (1001 pts)		PERMIT	1.0 MHz		×		9500 V 300	es Bl
Freq Offse 0 H				-30.42 dBm	00 GHz	2,496.0		1 1	N
		STATUS							

Band66_1_4MHz_QPSK_1_0_LowCH131979-1710.7

agener ige	One Annyat (The	an ().	7			10.4.63
Center F	req 1.7100	00000 GHz PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	D4 53:65 PM Dec D4, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW DET A NNNN N	Frequency
10 dB/div	Ref Offset 1 Ref 30.00		#Atten: 30 dB	Mkr1	1.710 000 GHz -18.61 dBm	Auto Tune
20.0 10.0						Center Free 1.710000000 GH
-10.0			15		and the second	Start Fre 1.709000000 GH
40.0 60.0 60.0	~~~~					Stop Fre 1.711000000 GH
Res BW	100 1000 1 00	×		Sweep 2	Stop 1.711000 GHz 2.067 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 2 3 4 5 6 7 7 8 9		1,710 000 GHz	-18.61 dBm			Freq Offse 0 H
9 10 11 ,			~	STATE		

Band66_1_4MHz_QPSK_1_5_HighCH132665-1779.3

		_		-		10 4 63
GHz	Levis Contraction	Avg		TRACE	22456	Frequency
FGain:Low	#Atten: 30 dB			LIET	NNNN	
			Mkr1	1.780 000	dBm	Auto Tuni
						Center Free
1	2				_	1.780000000 GH
1	1			-	-	
4	1					StartFree
-	1		_		-	1.779000000 GH
1			~			
1					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Stop Free
1						1.781000000 GH
1000			_	1 7010	00 040	
#VBM	62 kHz		Sweep 2	.067 ms (10	01 pts)	CF Ste 200.000 kH
	X	PUNCTION	FUNCTION WIDTH	PARCHON	/ALL/2 -	Auto Mar
000 GHz	-17.87 dBm		-			
					-	Freq Offse
-						
						1
		_				
					+	
			STATUS		-	
	PNC: Wide -+	HZ TIG: Pres Rum PGCWilds + Trig: Pres Rum #Attant: 20 dB	The Process of the States of t	Arg Type: Log-Per Michael Log POSIVILIA Processor Arg Type: Log-Per Arg Type: Log-Per Mkr1 POSIVILIA P	HZ Avg Type: Log-Per Trace PGCWLas Trig: Free Run Mkr1 1.780 000 PGCWLas Mkr1 1.780 000 -17.87 Mkr1 1.780 000 -17.87 Mkr1 1.780 000 -17.87 Stop 1,7810 WBW 62 kHz Stop 1,7810 Stop 1,7810 Stop 2,007 ms (10)	BHZ Trig: Pres Run #Calind.com Arg Type: Log-Parr Trice: 12:33:5 trice Mikri 1.780 000 GHZ Trice: 12:33:5 trice Trice: 12:33:5 trice Mikri 1.780 000 GHZ -17.87 dBm #VBW 62 kHz Stop 1,781000 GHz Stop 1,781000 GHz Stop 1,781000 GHz 900 GHz -17.87 dBm

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Band66_1_4MHz_QPSK_6_0_LowCH131979-1710.7

all all and the	Or an	1.12				10 4 6
Center F	req 1.710	000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
	Ref Offset	IFGain:Low	#Atten: 30 dB	Mkr1	1,710 000 GHz	Auto Tun
10 dB/div	Ref 30.0		~ ~ ~		-26.10 dBm	
30,0 10.0	_	_				Center Fre
10.00	_				Lourida	
20.0			if.			Start Fre 1.709000000 GH
40.0						Stop Fre
60.D						1.711000000 GH
Start 1.70 Res BW	20 kHz		W 62 kHz	Sweep 2	Stop 1.711000 GHz 2.067 ms (1001 pts)	CF Ste 200.000 kH
NOTE N		1.710 800 GHz	-26.10 dBm	PUNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Mi
2 3 4 5		13,10,000 011				Freq Offs 0 F
6 7 8 9	-					
10 11			-		+	
495				STATU		

Band66_3MHz_QPSK_1_14_HighCH132657-1778.5

R. 1	reg 1.780	000000 GHz	Wide	120.00		Avg Typ	ALBIN NUTO	TRAC	H Dec B4, 2018	Frequency
10 dB/div	Ref Offset Ref 30.0	13.9 dB	init.ow			~	Mkr1	1.780 0	00 GHz 47 dBm	Auto Tun
20,0 10.0	_		~	2						Center Fre 1.78000000 GH
0.00 -10.0 -20.0		~			1					Start Fre 1.779000000 GH
-40.0 -40.0 -60.0						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~		X	Stop Fre 1.781000000 GH
Start 1.77 #Res BW			#VBW	120 kHz			Sweep 1	.000 ms (1000 GHz 1001 pts)	CF Ste 200.000 kH Auto Ma
	1	1,780 000 0	GHZ	-13.47 dB						Freq Offse
7 8 9 10 11										
150							STATES	1	_	

Band66_1_4MHz_QPSK_6_0_HighCH132665-1779.3

Center Freq 1.78000	TR I	(การย์เรียวกา)	ALIGN MITC Avg Type: Log-Pwr	04/56:32 PM Dec 84, 2018 TRACE 1 2 3 4 5 6 TITEL A WWWWW	Frequency
	PNO: Wide IFGain:Low	#Atten: 30 dB	Mkr1	1,780 000 GHz	Auto Tun
10 dB/div Ref 30.00				-24.89 dBm	
30,0 10.0					Center Fre
0.00		7			
-10.0		1		-200100	Start Fre 1.779000000 GH
-20.0 -40.0 -60.0					Stop Fre
-60.0					1.781000000 GH
Start 1.779000 GHz #Res BW 20 kHz	#VBI	N 62 kHz	Sweep 2	Stop 1.781000 GHz .067 ms (1001 pts)	CF Ste 200.000 kH
N T	1.780 800 GHz	-24.89 dBm	NETION FUNCTION WOTH	PANGTION VALUE	Auto Ma
2 3 4 5					Freq Offs
5 6 7 8 9 9 10					
10					1
tejs			STATU		1

Band66_3MHz_QPSK_1_0_LowCH131987-1711.5

	100 - 194	e BC		080	56.IWI		Log-Pwr	B4/67/54 PH	Dec 84, 2018	Frequency
ter Fre	q 1.7100	00000 GH	Z O: Wide -+ ain:Low	Trig: Free SAtten: 30		Avg type	: Log-Pwr	THE	AWWWWW	
a/div	Ref Offset 1 Ref 30.00	3.9 dB dBm					Mkr1	1.710 00	00 GHz 6 dBm	Auto Tune
			_		1	X				Center Free 1.710000000 GH
			-	-	1	1		~	-110160	Start Free 1.709000000 GH
-	~									Stop Free 1.711000000 GH
t 1,709 s BW 3		×	#VBV	V 120 KHz	1 200			top 1.711 000 ms (1	001 pts)	CF Ster 200.000 kH Auto Mar
N	1	1,710.000	GHz	-14.36 dE	m					Freq Offse 0 H
							STATUS		- H.	

Band66_3MHz_QPSK_15_0_LowCH131987-1711.5

against part	An any page 1 Trees	13	The second second	1 - 1 - 1		10 4 63
Center F	reg 1.7100	00000 GHz PNO: Wide -	Trig: Free Run	Avg Type: Log-Pwr	D4.09.03 PM Dec 04. 2018 TRACE 1 2 3 4 5 6 THE A WWWWW	Frequency
10 dB/div	Ref Offset 1: Ref 30.00		#Atten: 30 dB	Mkr1	1.710 000 GHz -24.32 dBm	Auto Tune
28.0 19.0						Center Fred 1.710000000 GH;
0.00			1		-1010169	Start Fred 1.709000000 GH:
40.0						Stop Free 1.711000000 GH
#Res BW			W 120 KHz	Sweep 1	Stop 1.711000 GHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 3 4 5 6 7 8 9 10 11		3 1,710.000 GHz	-24.32 dBm	NCTION PUNCTION MUST	PL52HE3323/285533	Freq Offse 0 Ha
11	1.1			STATU	E F	

Band66_3MHz_QPSK_15_0_HighCH132657-1778.5

10 4 1	04/11/52/07 Dec 04, 2018	ALIGH WITC		1 SERVE IN		13	any and a local	- Anj	1 mar 1 m	- 01
Frequency	TRACE 1 2 3 4 5 6	Type: Log-Pwr		Trig: Free Run	Hz NO: Wide	0000 G	.78000	req 1	nter F	Cer
		-		#Atten: 30 dB	FGain:Low	i	-		_	-
Auto Tun	1.780 000 GHz -23.00 dBm	Mkr1				9 dB IBm	Offset 13 30.00	Ref (B/div	
Center Fre			_					-		.og
1.780000000 GH			-			-			-	t0 0
			-	2			-			0.00
Start Free		-	-	-	-			-		-10.0
1.779000000 GH	- ingen		-	100	1.1					30.0
-			_		1	-		_		40.0
Stop Fre 1.781000000 GH			-	_	-	-	_	-		50,0
			-	-	1	-	-		-	-60 D
CF Stej 200.000 kH Auto Ma	top 1.781000 GHz 000 ms (1001 pts)		_	120 kHz	#VBW			79000 39 kH		
Auto Ma	PARKETICN VALUE	TUNCTONWOTH	PUNCT	-23.00 dBm	00 CHa	1,780.00	_		N	NO.
Freq Offse			-	-23,00 00011	OU OFTA	1,709.01	-			2
DH					-				-	4
1		-							-	56789
							-		-	89
										10
	· · ·	1								
	[STATUS						_	-	50

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Band66_5MHz_QPSK_1_0_LowCH131997-1712.5

aginer (gennen Annyn) i hener Sa				0 4 63
Center Freq 1.710000000 GHz	Trig: Free Run	Aug Type: Log-Pwr	03:51:00 PM Dec 04, 2018 TRACE 1 2 3 4 5 6	Frequency
PNO: Wide — IFGain:Low	#Atten: 30 dB		LET A NNNN N	Auto Tune
Ref Offset 13.9 dB 10 dB/div Ref 30.00 dBm		Mkr1	1.710 000 GHz -21.25 dBm	Autorum
20.0		1		Center Free 1.710000000 GH
0.00			1000 400	Start Fre
-360			300	
60.0				Stop Free 1.711000000 GH
Start 1,709000 GHz #Res BW 51 kHz #VBA	V 150 KHZ		Stop 1.711000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
N 1 1 1.710 800 GHz	-21.25 dBm	ICTION FUNCTION MOTH	FILMETION VALUE	Auto ma
2 3 4 5				Freq Offse 0 H
5 6 7 8 9 9				1
11	~	STATU		

Band66_5MHz_QPSK_25_0_HighCH132647-1777.5

R Center Freq 1.78	0000000 GHz PNO: Wide = FGain.Low	Trig: Free Run #Atten: 30 dB	Aug Type: Log-Pwr	DUG4 S8 IN Dec 04, 2018 TRACE 1 2 3 4 5 6 TIME A WANNAN N	Frequency
Ref Offso 0 dB/div Ref 30.	et 13.9 dB 00 dBm		Mkr1	1.780 000 GHz -25.24 dBm	Auto Tun
20.0 10.0					Center Fre 1.78000000 GH
0.00					Start Fre 1.779000000 GH
40.0 40.0 60.0					Stop Fre 1.781000000 GH
Start 1,779000 GH Res BW 51 kHz		W 150 kHz	Sweep 1	Stop 1,781000 GHz .000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
N T 2 3 4 5 6 7	1,780.000 GHz	-25.24 dBm			Freq Offse 0 H
7 8 9 10 11					
50 I			57A TBI		

Band66_5MHz_QPSK_1_24_HighCH132647-1777.5

R. State of the second	-ERS- 001	ALTIN WITC BALIA IS PH Dec BA. 2018	10.4 .
Center Freq 1.78000000	ONCUMULA TRIC Tric: Free Run	Avg Type: Log-Pwr Trace 1 2 3 4 5 0	Frequency
Ref Offset 13.9 dB 10 dB/div Ref 30.00 dBm	IFGain:Low #Atten: 30 dB	Mkr1 1.780 000 GHz -19.08 dBm	Auto Tun
20.0 10.0			Center Free 1.78000000 GH
0.00	1	com/00	Start Fre 1.779000000 GH
40.0			Stop Fre 1.781000000 GH
Start 1.779000 GHz #Res BW 51 kHz	#VBW 150 kHz	Stop 1,781000 GHz Sweep 1.000 ms (1001 pts)	
2 3 4	80 000 GHz -19.08 dBm		Freq Offse
5 6 7 8 9 10 11			
190		STATUS	-

Band66_5MHz_QPSK_25_0_LowCH131997-1712.5

against Shows	AN REPORT	from Sa								10 4 23
Center Fr	eq 1.710	000000 GH	NO: Wide	Trig: Pree P	tun	Avg Ty	pe: Log-Pwr	TRAC	H Dec 84, 2018	Frequency
10 dB/div	Ref Offse Ref 30.0	t 13.9 dB	Gain:Low	#Atten: 30 c	18		Mkr1	1.710 0	00 GHz 43 dBm	Auto Tune
30.0 10.0										Center Free 1.71000000 GH
0.00 -10'0 -20 0						-				Start Free 1.709000000 GH
20.0 40.0 60.0										Stop Free 1.711000000 GH
Start 1.70	51 kHz		#VBV	N 150 kHz		-	Sweep 1	.000 ms (CF Step 200.000 kH Auto Ma
1 N 1 2 3 4 5 6	1	1,710.00	0 GHz	-28,43 dBn	n n	1 15/4 1	disention with th	PMET		Freq Offse 0 H
5 6 7 8 9 10										
eso i							57ATH			1

Band66_10MHz_QPSK_1_0_LowCH132022-1715

Bigmen (gennen Annyen) Tomas 5				The second s	10 4 13
A 50-	PRO: Wide -+	Trig: Free Run	Avg Type: RMS Avg/Hold: 100/100	TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6 THE A MUNITIN	Frequency
	iFGain:Low	#Atten: 30 dB	S. Martine State		Auto Tune
Ref Offset 13.9 Ref 30.00 dB			Mkr1	1.710 000 GHz -13.374 dBm	Auto Tum
20.0					Center Free 1.710000000 GH
0.00 0.00 0 20 0	more	mon	server	mi	Start Fre 1.709000000 GH
800 400 600 600	m				Stop Fre 1.711000000 GH
Start 1,709000 GHz Res BW 100 kHz	#VBW	300 kHz*		Stop 1.711000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N f	1,710 000 GHz	-13,374 dBm			Freq Offse
5 6 7 8 9 10					
11 , 15		~	STATU		

Band66_10MHz_QPSK_1_49_HighCH132622-1775

10 4 23	The second s						Annyati		(the state
Frequency	D3-47-22 IN Dec 04, 2018 TRACE 1 2 3 4 5 6 Tree A WWWWW	ALINI ALINI ALICI Avg Type: RMS Avg Hold: 100/100		Trig: Pree Ru	O: Wide -•		50 -	1	
Auto Tune	1.780 000 GHz -13.679 dBm	Mkr1	3	EAtten: 30 dB	ialin:1.ow	9 dB	offset 13		BJdiv
Center Free 1.78000000 GH						1	1	_	
Start Free 1.779000000 GH		man	m	······	MAY Prov		(m	1
Stop Free 1.781000000 GH	www.w	- Marrie	_	-					-
CF Stej 200.000 kH Auto Ma	top 1,781000 GHz 000 ms (1001 pts)	Sweep 1		00 KH2*	#VBV	_		W 10	IS BI
Freq Offse	PLANETON VALUE	n - Fangerang ang ang ang ang ang ang ang ang ang	PUNC	3,679 dBm	GHz	1,780.000			N
			_						
		STATUS						_	

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Band66_10MHz_QPSK_50_0_LowCH132022-1715

10 4 2					_		An any set of the	THEATING	-0.9800
Frequency	034351 PM Dec 84, 2018 TRACE 1 2 3 4 5 6 Tree A WWWWW	g Type: Log-Pwr		Trig: Free Run	GHZ PNO: Wide	000000	q 1.7100	r Free	ente
Auto Tun	1.710 000 GHz -25.15 dBm	Mkr1	9	#Atten: 30 dB	iFGain:Low	3.9 dB	Ref Offset		dB/d
Center Free 1.71000000 GH			-						0.0 0.0
Start Free 1.709000000 GH	1010164	me						_	0.0
Stop Free 1.711000000 GH									0.0
CF Stej 200.000 kH Auto Ma	top 1,711000 GHz .000 ms (1001 pts)		PUNCT	300 kHz	#VB	×	00 GHz 00 kHz	.7090 3W 10	Res E
Freq Offse 0 H				-25.15 dBm	800 GHz	1,710		4	
1 - 1									0
	1	STATUS							5

Band66_15MHz_QPSK_1_74_HighCH132597-1772.5

10 4	03-39-18-00 Dec 04-2018	ALINAWITE	_	SERVE I			Annyati	an illeri	- 0,0
Frequency	TRACE 1 2 3 4 5 6		Avg Ti	Law and an			-	- 1	н
1.1.1	DET A NNNNN	. 100-100	ex Mine	#Atten: 30 dB	PNO: Wide = IFGain:Low	-		_	-
Auto Tun	1.780 000 GHz -13.984 dBm	Mkr1	~			t 13.9 dB 00 dBm	Ref Offse Ref 30.0	div	IO de
Center Fre			_		-	-		-	30.0
1.780000000 GH							1		19.9
	Murring and		2	1	down when here	what looks			100
Start Fre 1.779000000 GH	show as	Marsan	monthan	walkapp hand	hundrede	- tot		1	20.0
	and the share have	11.04			-	-	-	-	30.0
Stop Fre					-	-	-	-	40.0
1.781000000 GH									60.0
CF Ste	top 1.781000 GHz			5.5.20m			0000 GH		
200.000 kH Auto Ma	.000 ms (1001 pts)			620 kHz*	#VB		200 kHz	-	-
	PRIVETICN VALUE	2010101000101	PUNCTION	-13,984 dBm	000 GHz		1		
Freq Offs				-13.160 dBm	076 GHz	1,7801	1	4	27456
									7
		_						-	8 9 10
	*	-					1.1.		11
-		STATUS							5(5)

Band66_10MHz_QPSK_50_0_HighCH132622-1775

10 4 43	48 PM Dec 84, 2018		AUNANT		1 SEASE IN		1 34	support 1 from	A	and they	
Frequency	TRACE 1 2 2 4 5 6	TR TR	g Type: Log-Pwr	Avs	Trig: Free Run	Iz VO: Wide -+	00000 GH	.7800	req 1	ter F	Cen
Auto Tune	D 000 GHz	1 1.780	Mkr		#Atten: 30 dB	Sain:Low	iF	Offset 1	Ref	_	
	1.36 dBm	-21	_	-		-		30.00		Judiv	10 di
Center Free 1.78000000 GH;			_					_			39.0 19.0
StartFree			_	_	1						10.00
1.779000000 GH:				~~~			-	_	-		-20.0
Stop Free 1.781000000 GH	_		_	_		_	-		-		-40 0 60,0
CF Ster 200.000 kH	781000 GHz				300 kHz	#VBW			9000 100 F		
Auto Mai	INTERVIEW -	HI PANE	FUNCTION WIDTH	PONCTION	-21.36 dBm		1,780.80	_			No.
Freq Offse 0 H					-21,36 dBm	UGHE	1,780.00			N	234
											5 6 7 8 9 10
					~						10 11
		10	STATE							_	45/5

Band66_15MHz_QPSK_1_0_LowCH132047-1717.5

10.4	1 BE LEVEN PHILDER IN. DOLL	ALINAWAYE	_	SERIES III		R.	ARRIVATIO	o iberes	R.
Frequency	TRACE 123456 THE A WWWW	Type: RMS told: 100/100	Avg	1000000000	O: Wide +				-
	DETA NINNIN	A MARINE AND		#Atten: 30 dB	Salis:Luw	IFC			
	1.710 000 GHz -14.387 dBm	Mkr1		-			Ref Offset	div	0 de
Center Fr					-			1	og SLO
1.710000000 G	1	-	_		-	-	-	-	9.9
	man	1 And ANN		1	-	-			1.00
Start Fr 1,709000000 G		Sherry out	Warny	under particulation	mental	1	10.00	_	00
1.709000000 G				undwayner Ward	1.18.4	Manhow.	makin	manife	0.0
Stop Fr			_		-	-	-	-	0.0
1.711000000 G			-		-		-	-	0.0
	1000				-				1
200.000 k	top 1.711000 GHz 000 ms (1001 pts)			620 kHz*	#VB		000 GHz 00 kHz		
Auto M	PUNCTION VALUE	FUNCTION WIDTH	PONELISM:	Y II		×			
Freq Offs			_	-14.387 dBm	GHz	1,710.00		++	2
0									4
-		-						+	6
					_		_	1	2 3 4 5 6 7 8 9 0
2								-	0
								1	
	[STATUS							19

Band66_15MHz_QPSK_75_0_LowCH132047-1717.5

agant (pr	in an Analyzet 15	met SA				10 4 23
Center F	reg 1.710	000000 GHz PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	D3 35 45 PM Dec 04, 20 TRACE 1 2 3 4 5 TIME A WWWW	Frequency
	Ref Offset	IFGain:Low	#Atten: 30 dB	Mkr1	1,710 000 GH	Auto Tune
10 dB/div	Ref 30.0	0 dBm			-26.46 dBn	n
20.0	_					Center Free 1.710000000 GH
0.00					1000	
20.0			merkun	and the second		Start Free 1.709000000 GH
40.0						Stop Fre
60.0						1.711000000 GH
Start 1.70	9000 GHz 200 kHz	#VB	W 620 kHz	Sweep 1	Stop 1.711000 GH .000 ms (1001 pts	200.000 kH
		1,710 800 GHz	-26.46 dBm	NETION FUNCTION WOTH	FUNCTION VALUE	Auto Ma
2 3 4		1,710 000 GHz	-20.46 0Bm			Freq Offse
5 6 7 8 9						1
10	11		-			
1555				57ATB		1

Band66_15MHz_QPSK_75_0_HighCH132597-1772.5

10.4	03:39:48 PM Dec 84, 2018	ALTUH WITC		1 sense il		14	and the state of t	(in	Tarrest 18	- 0,0	
Frequency	TRACE 1 2 3 4 5 6	Type: Log-Pwr	Trig: Free Run		780000000 GHz			Freq 1	nter l	Cen	
Auto Tun		#Atten: 30 dB									
- Hato Full	1.780 000 GHz -24.98 dBm	Mkr1				9 dB Bm	Offset 13 30.00 d	Ref	B/div	10 d	
Center Fre			-	_		_		-		38,0	
1.78000000 GH			-				_	-		10.00	
StartFre	100-00-0					-	-			10.0	
1.779000000 GH		-		man	the state of the s	- Martin	-	-	-	20.0	
1					1					40.0	
Stop Fre 1.781000000 GH		_	-	_	-		_	-	-	50,0	
			_			_				60.D	
CF Ste 200.000 kH	top 1.781000 GHz 000 ms (1001 pts)			620 kHz	#VBW			79000 V 200 I			
Auto Ma	PUNCTION VALUE	CONCTIONTION	DUNCT	-24.98 dBm	o citta	1,780 000	-		N	-	
Freq Offse				-24.96 dbm	UGHE	1,780 000	-		N	23	
0 H			_		-					4	
							_		-	6 7 8	
										9	
					_			1.1	-	11	
		STATUS						_	_	\$G)	

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Report No.: E2/2018/B0069 Page 252 of 510

Band66_20MHz_QPSK_1_0_LowCH132072-1720

against spectra	Annualti							200		10 4 23
R	- 50 -	RI	O: Fast -P	Law	Run	Avg Type		TRA	H Dec 84, 2018	Frequency
10 dBJdiv	Ref Offset 13 Ref 30.00 (iFC B dB	lain:Low	#Atten: 30			curga	1.710 0	000 GHz 67 dBm	Auto Tune
20.0	-				_				/	Center Free 1.71000000 GH:
-100 -000	nature and the	a horalitation	rywan ya	and the second	hope and	Apresentates	and the state of the	-	-100100	Start Free 1.709000000 GH:
40.0 60.0 60.0										Stop Free 1.711000000 GH
Start 1,709 #Res BW 3	00 kHz		#VBW	1.0 MH2*		cion Pu	Sweep 1	.000 ms	1000 GHz 1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 10 11 -	T	1,710.000	0 GHz	-16,457 dB						Freq Offse DH
NESO I							STATU		-) ·	

Band66_20MHz_QPSK_100_0_HighCH132572-1770

· Gigment Thes	An expert of the	- 3				10 4 63
Center F	req 1.7800	00000 GHz	Trig: Free Run	Avg Type: Log-Pwr	D3_LF13B PH Dec D4, 2018 TRACE 1 2 3 4 5 6 Tritle A www.www. DET A NNNNN	Frequency
10 dB/div	Ref Offset 1 Ref 30.00		#Atten: 30 dB	Mkr1	1.780 000 GHz -24.37 dBm	Auto Tune
30,0 10.0						Center Fred 1.78000000 GH
-10'0	1				100 Qu	Start Fred 1.779000000 GH2
-40.0 -60.0						Stop Free 1.781000000 GH2
Start 1,77 #Res BW		#VB	W 1.0 MHz		top 1.781000 GHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 3 4 5 6		1.780 000 GHz	-24.37 dBm			Freq Offse 0 H
7 8 9 10 11					,*	
NE\$5				57A168		

Band66_20MHz_QPSK_1_99_HighCH132572-1770

Against Spectra Analysis () and Sa			ALINA MATC	1 53 23 13 PH Dec D4. 2018	10 4 23
	PNO: Fast -P-	Trig: Pree Run	Avg Type: RMS Avg/Hold: 100/100	TRACE 1 2 3 4 5 6	Frequency
Ref Offset 13.9 dB	IFGain:Low	#Atten: 30 dB	Mkr1	1.780 000 GHz -16.575 dBm	Auto Tune
21.0					Center Free 1.78000000 GH
000	unice participation	antina an anti-tech	where the analysis of the second s	marca marca	Start Free 1.779000000 GH
400 400 500					Stop Fre 1.781000000 GH
itart 1,779000 GHz Res BW 300 kHz	#VBW	1.0 MHz*	Sweep 1.	top 1.781000 GHz 000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
2 N 1 1 1.7		16.675 dBm 13.369 dBm	nie torn a tunié nohowna na	PUNCTION VALUE	Freq Offse
5 6 7 8 9					
11		-	STATUS		

Band66_20MHz_QPSK_100_0_LowCH132072-1720

allann ibn	()			anse m		ALIGH WATCH	63:19:12 PH Dec		0 4 23
Center F	req 1.7	10000000 0	PNO: Fast +	A State of the state		Type: Log-Pwr	TRACE 1 2 TRACE 1 2 TIME A W	3456	Frequency
10 dB/div	Ref Off	set 13.9 dB 0.00 dBm	IFGain:Low	BAtten: 30 dB	~	Mkr1	1.710 000	GHz	Auto Tune
30,0 10.0	_	_	-		_				Center Fred 1.71000000 GHz
0.00 10 0 20 0				*		- www.	1		Start Fred 1.709000000 GHz
40 0 60,0 60 0									Stop Fred 1.711000000 GHz
Start 1,70 #Res BW	300 KH		#VB	W 1,0 MHz		Sweep 1	Stop 1,711000 .000 ms (100	1 pts)	CF Step 200.000 kH; Auto Mar
1 N 1 2 3 4 5 6 7 7 8 9 9 10		* 1,710	DOO GHE	-25.24 dBm	PUNCTION-			142	Freq Offset 0 Ha
, 16/5						STATU			

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