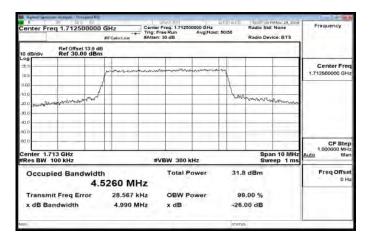
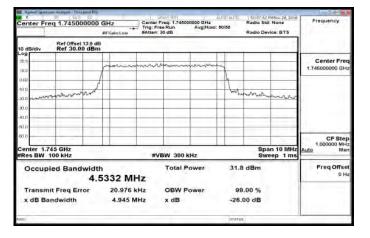


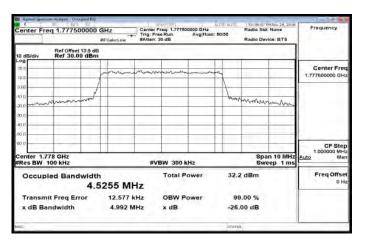
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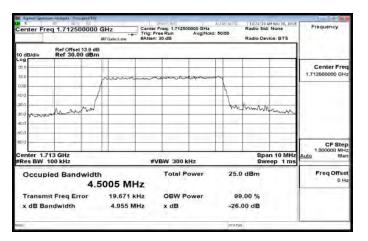
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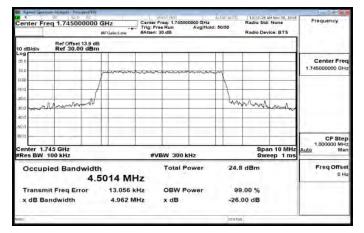
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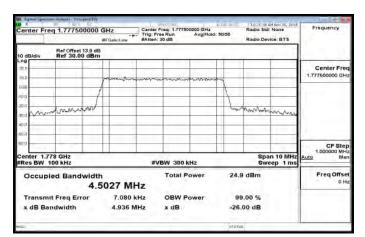
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Band66_5MHz_64QAM_25_0_MidCH132322-1745



Band66 5MHz 64QAM 25 0 HighCH132647-1777.5



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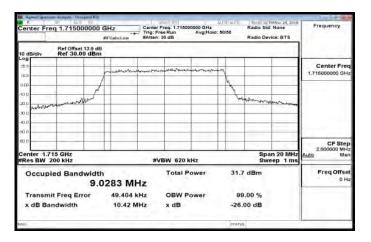
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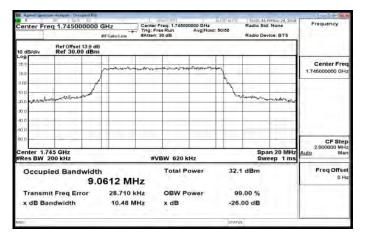
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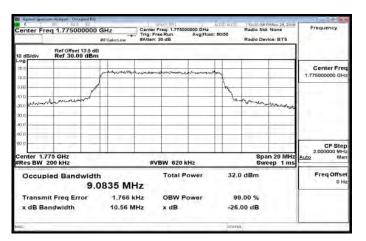
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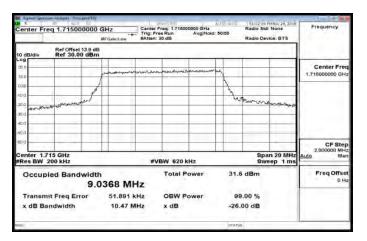
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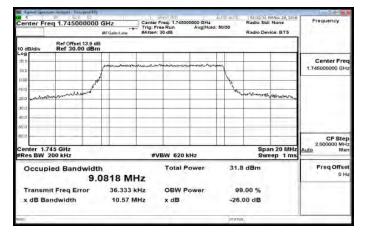
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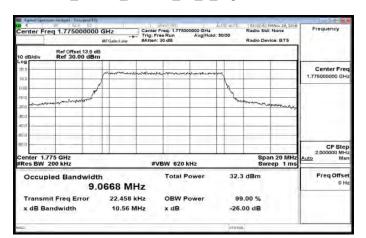
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Band66_10MHz_16QAM_50_0_MidCH132322-1745



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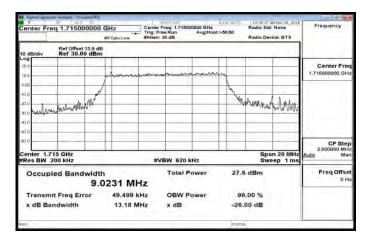


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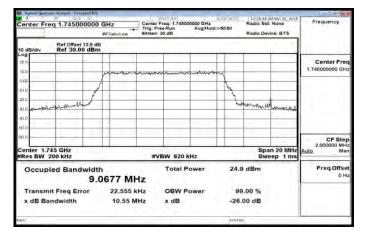
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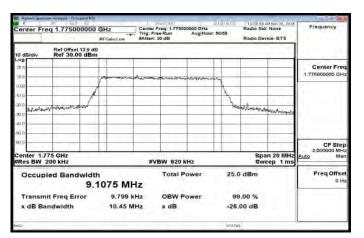
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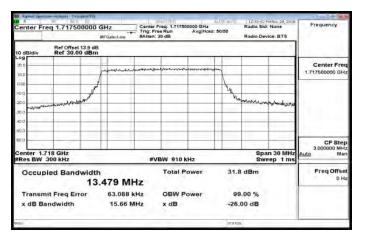
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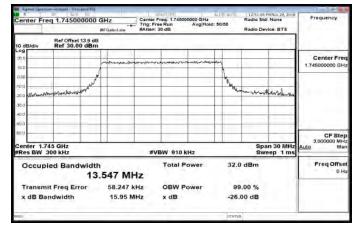
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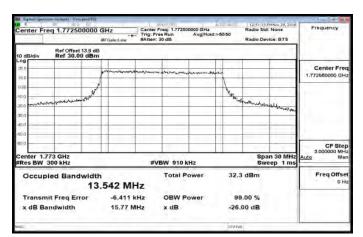
Band66_15MHz_QPSK_75_0_LowCH132047-1717.5



Band66_15MHz_QPSK_75_0_MidCH132322-1745



Band66_15MHz_QPSK_75_0_HighCH132597-1772.5



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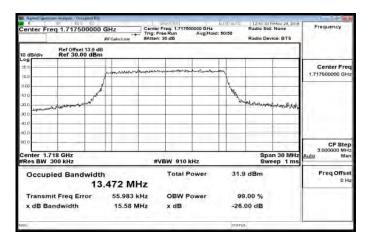
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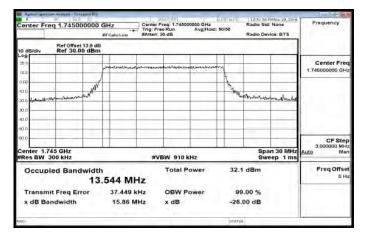
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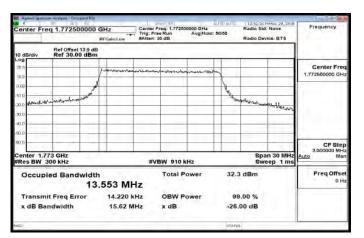
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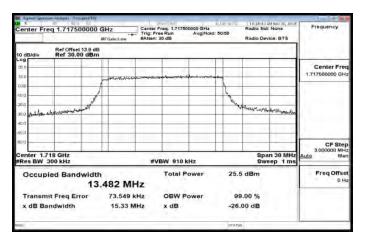
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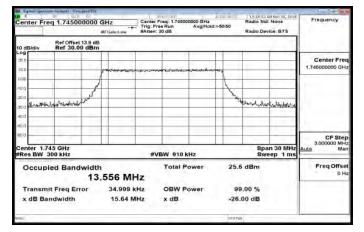
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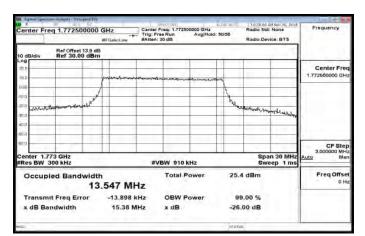
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Band66_15MHz_64QAM_75_0_MidCH132322-1745



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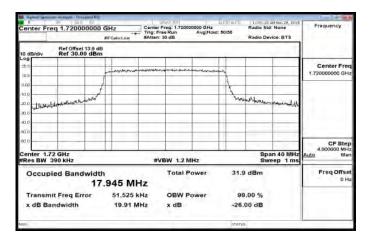
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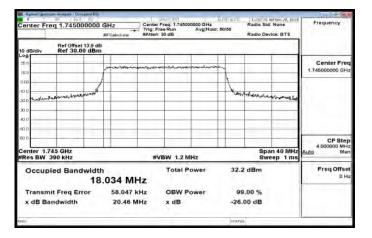
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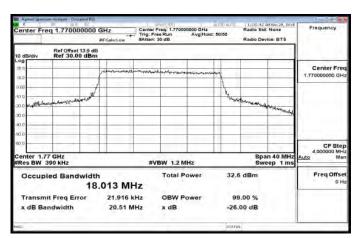
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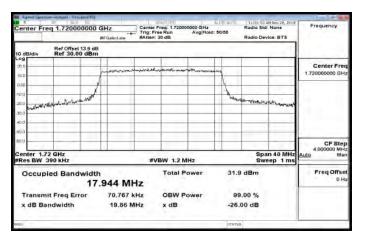
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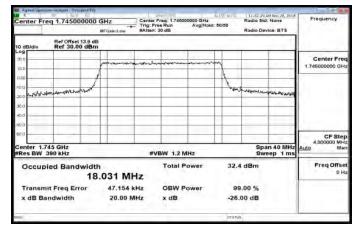
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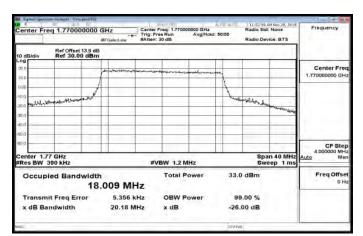
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Band66_20MHz_16QAM_100_0_MidCH132322-1745



Band66_20MHz_16QAM_100_0_HighCH132572-1770



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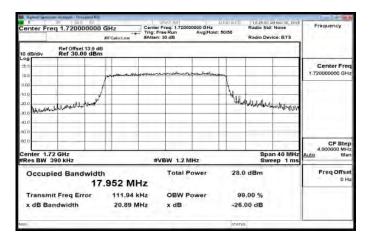
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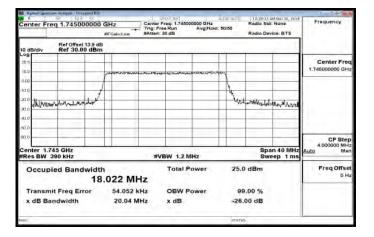
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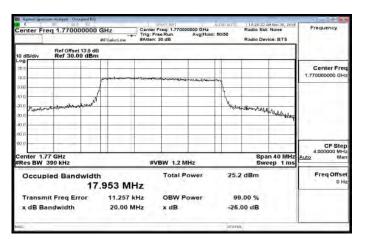
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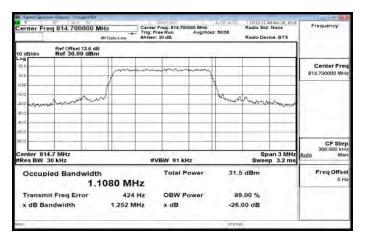
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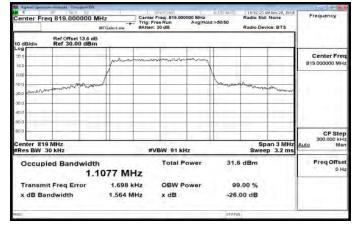
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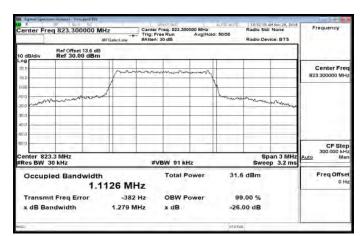
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Part 90_Band26_1_4MHz_QPSK_6_0_MidCH26740-819



Part 90_Band26_1_4MHz_QPSK_6_0_HighCH26783-823.3



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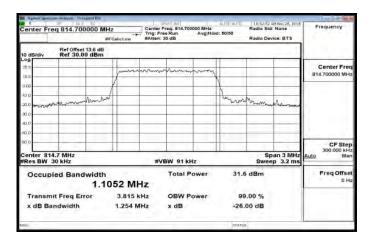
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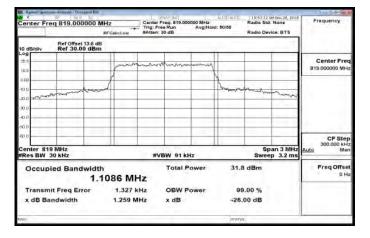
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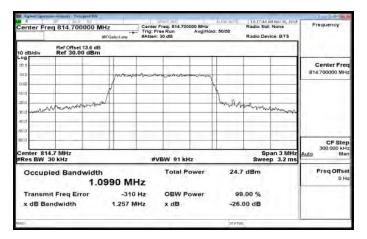


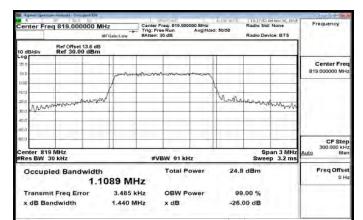
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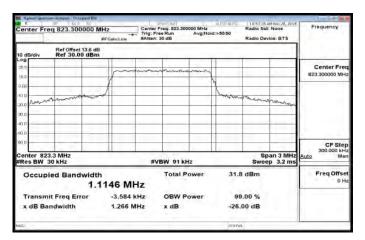






Part 90 Band26 1 4MHz 64QAM 6 0 MidCH26740-819

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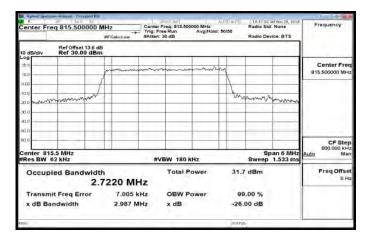
Center Fre	g 823.300000 M		nter Freq: 823.300000 MH g: Free Run Avg)t		3 AM Rev 30, 2018 td: None	Frequency
		AFGaintLow #A	tten: 30 dB		evice: BTS	
10 dB/div	Ref Offset 13.6 dB Ref 30.00 dBm				1.1	
200 10.0		mar	-	2		Center Free 823.300000 MH
0.60 -10.0		1		X		
30.0 WWWW	and the second states of the s	N			An mar	
-40.0						
-80 0					1.1.1	CF Ste 300.000 kH
Center 823 #Res BW 3			#VBW 91 kHz		ep 3.2 ms	Auto Ma
Occupi	ed Bandwidth 1.1	1 101 MHz	Total Power	25.0 dBm		Freq Offset 0 Hz
Transmi	t Freq Error	-3.511 kHz	OBW Power	99,00 %		
x dB Bar	ndwidth	1.253 MHz	x dB	-26.00 dB		
				57 à TV/5		

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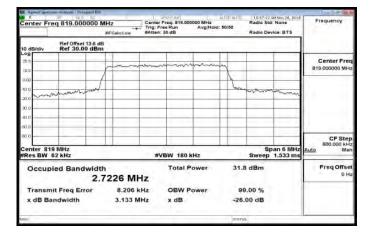
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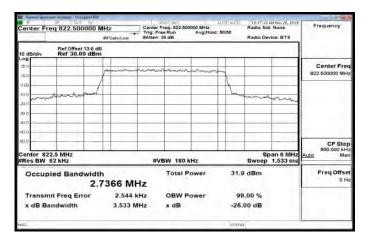
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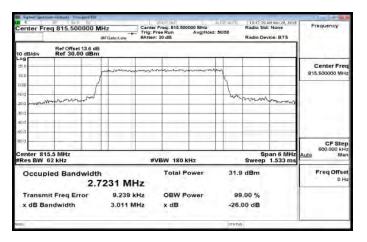
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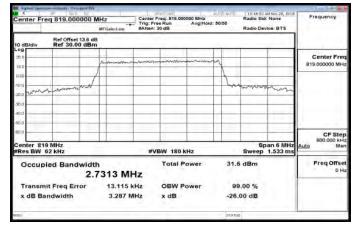
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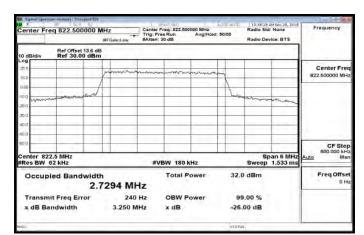
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Part 90_Band26_3MHz_16QAM_15_0_MidCH26740-819



Part 90 Band26 3MHz 16QAM 15 0 HighCH26775-822.5



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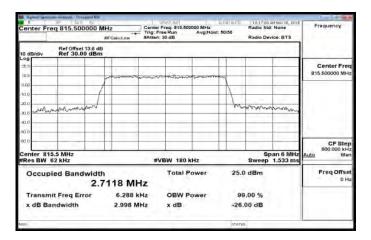
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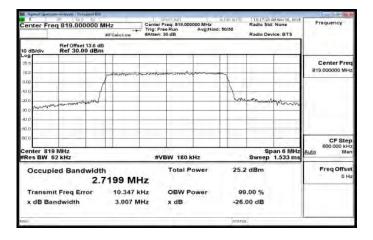
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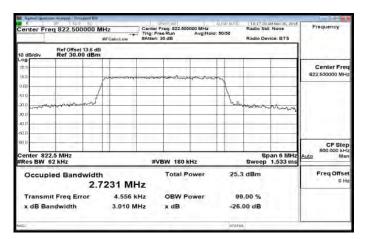
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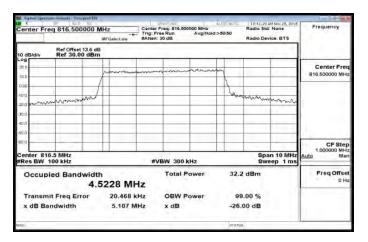
Part 90 Band26 3MHz 64QAM 15 0 MidCH26740-819



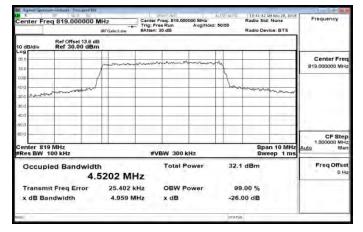
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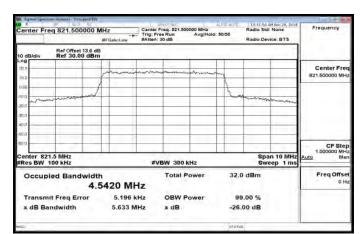
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Part 90 Band26 5MHz QPSK 25 0 MidCH26740-819



Part 90_Band26_5MHz_QPSK_25_0_HighCH26765-821.5



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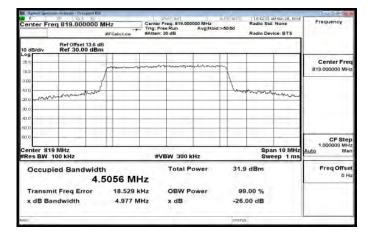
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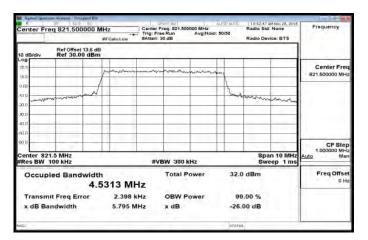
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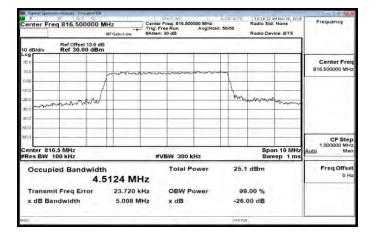
10142/36 AM Roy 2 Radio Std: None eq 816.500000 MHz Frequ Avgitte Ref Offset 13.6 Ref 30.00 dB Center Fr CF Ste Span 10 MH Sweep 1 m ter 816.5 MHz s BW 100 kHz #VBW 300 kHz Occupied Bandwidth Total Power 31.9 dBm Freq Offs 4.5259 MHz Transmit Freq Error 24.732 kHz **OBW** Power 99.00 % x dB Bandwidth 5.008 MHz -26.00 dB x dB

Part 90_Band26_5MHz_16QAM_25_0_MidCH26740-819

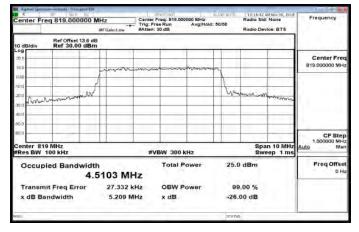


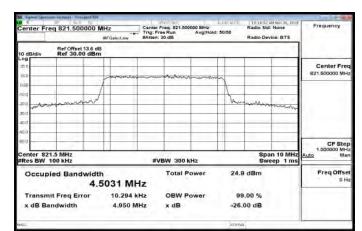
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Part 90 Band26 5MHz 64QAM 25 0 MidCH26740-819





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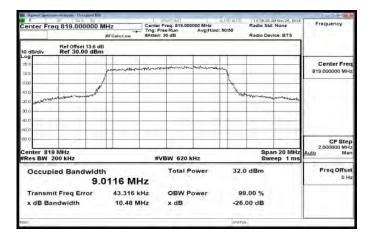
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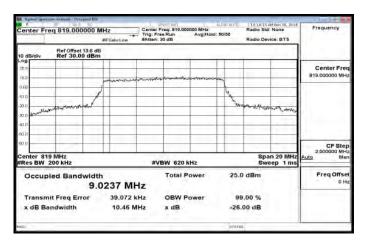
Part 90_Band26_10MHz_QPSK_50_0_MidCH26740-819

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00.0				-				CF Step	
Center 819 Res BW			#VBW 620	kHz		Sp	an 20 MHz reep 1 ms	2.000000 MH Auto Mar	
Occupi	ied Bandwidt 9.(n 0343 MH		Power	32.	i dBm		Freq Offse 0 H	
Transm	It Freq Error	47.152 kł	z OBW	Power	99	9.00 %			
x dB Ba	ndwidth	10.38 MH	tz x dB		-26	00 dB			
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Part 90 Band26 10MHz 16QAM 50 0 MidCH26740-819



Part 90 Band26 10MHz 64QAM 50 0 MidCH26740-819



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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.

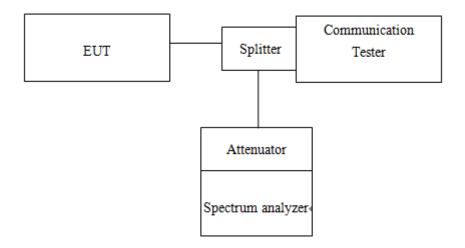
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8.2. Test SET-UP



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

- To connect Antenna Port of EUT to Spectrum. 1.
- 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	easured 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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10					
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HSDPA_B2_HighCH9538-1907.6

Bigment (gentrum	- An anyyat I Tomas Sa	_				10 4 63
Center Fre	q 1.9100000	PNO: Wide La	Trig: Free Run	Avg Type: Log-Pwr	109.37:48 PM Nov. 25, 2018 TRACE 1 2 3 4 5 6 TRACE A WWWWW	Frequency
	Ref Offset 13.9 dB Ref 30.00 dBm	iFGaint.ow	#Atten: 30 dB	Mkr1	1.910 000 GHz -21.77 dBm	Auto Tune
20,0 10.0		-				Center Free 1.91000000 GH
0.00 -10.0 -20.0					and de	Start Free 1.909500000 GH
40.0 60.0 60.0						Stop Free 1.910500000 GH
Start 1.9095 #Res BW 47	7 kHz	#VBM	150 kHz		op 1.9105000 GHz .000 ms (1001 pts)	CF Ster 100.000 kH Auto Ma
1 N 1 2 3 4 5 6 6 7 7 8 9		10.000 GHz	-21.77 dBm			Freq Offse 0 H
9 10 11			_	status		

WCDMA_B2_HighCH9538-1907.6

10.4.63	09:22:52 PM Nov 26, 2018	ALIMONATO				1 54	surgers i To	()	and these	- 0,9
Frequency	TRACE 1 2 3 4 3 6 TIME A WWWWW	Type: Log-Pwr		Trig: Free Run	SHZ	00000	1.9100	req 1	er Fr	Cen
Auto Tune	.910 000 GHz	Mkr1		#Atten: 30 dB	FGaintLow					-
	-21.17 dBm					dBm	Offset 1 30.00	Ref	Vdiv	
Center Free 1.91000000 GH;	-	_		_		-	_			38.0 10.0
Start Free				1-				~~~~	-	10:00
1.909600000 GH					-		_	-		30.0
Stop Free 1.910500000 GH		_	_					-		40.0
CF Ster 100.000 kH	p 1,9105000 GHz 00 ms (1001 pts)			150 kHz	#VBW	5	0 GHz Hz	9500 47 kH		
Auto Mar	PLANETICK VALUE	CONCISION MOTO	PONCTION	-21.17 dBm	000 GHz	1,910	-			
Freq Offse 0 H						1,4.19				234
							-			5 6 7 8 9 10
				_						10 11
		STATUS							_	655

HSDPA B2 LowCH9262-1852.4

10 4 11						- 1 Sa	Annyatille	george.	a growth in	
Frequency	109:27:44 PMNov. 26, 2035 TRACE 1 2 3 4 5 6 Tree A WWWWW DET A NNNNN	Type: Log-Pwr		Trig: Free Ru	Hz PNO: Wide	00000 G	q 1.8500	Free	R nter	Ce
Auto Tun			18	#Atten: 30 dl	FGain:Low		-		_	_
	.850 000 GHz -24.45 dBm	Mkr1			-	dBm	Ref Offset 1 Ref 30.00	R	dB/dr	10
		_	_		-	-	-	_	.0	30
1.85000000 GH										10
Start Free	comige	-	_		-	-	_	_	0	-10
1.849500000 GH			-	-	-	-				-70
Stop Free		_		_		-		_		40
1.850500000 GH.										-50) -60
CF Step 100.000 kH	p 1.8505000 GHz 00 ms (1001 pts)		_	150 kHz	#VB	1	5000 GHz 7 kHz			
Auto Mar	PLANGTICIN VALUE	FUNCTION WIDTH		-24.45 dBm	00 GHz	-				teig
Freq Offse 0 H				-24.45 UBM	DO GHY	1,000.0	-			2345678910
			-							678
			-							9
		STATUS		-					-	
		PTATUS					_	-	-	El6

HSUPA_B2_LowCH9262-1852.4

Agreen (gennese Armynt Temps Sa				10 4 63
Center Freq 1.850000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	09:46:47 WHO 26,2038 TRACE 1 2 3 4 5 6 THE A WWWW	5.6 Frequency
PNO: Wide IFGain:Low				
Ref Offset 13.9 dB		Mkr1	1.850 000 GHz -24.14 dBm	Center Freq
200				Center Free 1.85000000 GH
0.00				
20.0	1			Start Free 1.849600000 GH
40.0				Stop Free
60.0				1.850500000 GH
Start 1.8495000 GHz Res BW 47 kHz #V	BW 150 kHz	Sweep 1	op 1.8505000 GHz .000 ms (1001 pts)	CF Step 100.000 kH
N 1 1 1.850 000 GHz	-24.14 dBm	NCTION FUNCTION WOTH	FUNCTION VALUE	Auto Ma
	-24.14 dbm			Freq Offse
2				
9 10 11				
40) 		STATUS		

HSUPA B2 HighCH9538-1907.6

agener (per	An any set (The			DITION NOTION		10 4 63			
Center Fr	eq 1.910	000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	10055-15 FMMov 26, 2038 TRACE 1 2 3 4 5 6 THE A WWWWWW	Frequency			
10 dB/div	Ref Offset 139 dB Mkr1 1.910 000 GHz 9 dB/div Ref 30.00 dBm -22.27 dBm								
20.0 10.0						Center Free 1.910000000 GH			
0.00 -10.0 -20.0						Start Fred 1.909500000 GH:			
-40.0 -50.0 -60.0						Stop Free 1.910500000 GH			
Start 1.90			W 150 kHz	St Sweep 1	op 1.9105000 GHz .000 ms (1001 pts)	CF Step 100.000 kH Auto Mar			
1 N 1 2 3 4 5 6	1	1,910 000 GHz	-22.27 dBm			Freq Offse 0 Ha			
7 8 9 10									
usia i				57AT65		-			

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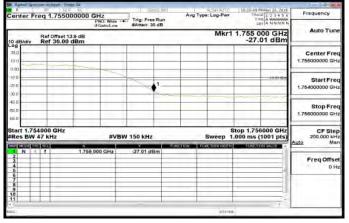
WCDMA_B4_LowCH1312-1712.4

0.4		-	-				154	10001	0	and the	a (
Frequency	TRACE 1 2 3 4 5 6 TRACE A WWWWW	18:853	ype: Log-Pwr		Trig: Free Ru	z	0000 GH	71000	req 1	ter F	Cer
Auge True			-		Atten: 30 dB	O: Wide Salin:Low	P IF		-	_	
Center Freq	9 974 GHz 29.99 dBm	1 1.709	Mkr1					Offset 13 30.00		B/div	10 d
Center Fre			_	-	-		-		-	1	30.0
1.710000000 GH		-	-	-	-				-	11	10.00
Start Fre			~	-		1					10.00
1.709000000 GH		-	_	20	1			-	-	-	20.0
										-	-30.0
Stop Fre				_		1.1			_		50,0
1.711000000 GP		-	-	-							60.0
CF Ste 200.000 kH Auto Ma	,711000 GHz ns (1001 pts)	Stop 1.7 1.000 m	Sweep 1	_	50 kHz	#VBW			9000 47 kH		
Auto Ma	WETTER VALUE	H PUR	FUNCTION WIDTH	PUNCT	29.99 dBm	(GHz	1,709.97	-		N	No.
Freq Offse					AU-UU SUEII	- Grite					234
											5 6 7 8 9 10
						-				-	9
		1	1		-	-			1.1	-	1
		105	57811							-	50

HSDPA_B4_HighCH1513-1752.6

10 4 6			-	-			1.54	in straight i Trees	geen and	diama in	a a
Frequency	PMNov 26,2018	TRA	ALIGNAUTO Type: Log-Pwr		Trig: Pres	Hz	00000 G	1.7550	Freq	nter	Cer
	DET A NNNN N		-	8	#Atten: 30	PNO: Wide			-		
Auto Tune Center Freq	000 GHz .81 dBm	1.755 (Mkr1				3.9 dB dBm	Offset 1: 1 30.00	Ref	B/div	10 d
Center Fre				_			-				Log 30.0
1.755000000 GH	-		_		_	-	-			1	10.0
					_	-	-		-		10,00
Start Fre		-	-		-	-	-		-	_	-10.0
1.754000000 GH				_	1						-20.0
											40.0
Stop Fre-	-			_			-				50,0
1.756000000 GH	-	-	-	_	_	-	-		-	-	-6,0 D
CF Stej 200.000 kH	56000 GHz (1001 pts)				150 kHz	#VBW	-		75400 W 47 k		
Auto Ma	TION WALLIE	P LINE T	FUNCTION MOTH		-26.81 dE		1,755.0			N	New
Freq Offse					-26.81 dt	OU GHZ	1,(95,9			N	2745
			-	-		-		-		_	6
	_	-		-				-		-	8
				-						-	10
	- X.	-				-			-		1
		-	574168							-	45/5

WCDMA_B4_HighCH1513-1752.6



HSDPA B4 LowCH1312-1712.4

10 4 2		-		-			1 34	An experience in These	(periode a	ageen 7	
Frequency	10:13:47 PMMov 26, 20138 TRACE 1 2 3 4 5 6 TITE A WWWWW DET A NNNNN	pe: Log-Pwr	Avg	INL SEAL	12.00	Hz	00000 G	1.7100	Freq	nter	Cer
1.1.4	EET A NNNNN			0 dB	#Atten: 3	NO: Wide					
Auto Tune Center Freg	1.709 974 GHz -29.87 dBm	Mkr1	~			_		off Offset 1: of 30.00		dB/div	10 c
Center Fre				-		-			_	.0	30/
1.71000000 GH					-	1					10.0
Start Fre	-2010-05-0		1			-	-		_	_	-101
1.709000000 GH				12	•						-204
Stop Fre			_	-			-				40.6
1.711000000 GH											60,0 60,0
CF Step 200.000 kH	op 1.711000 GHz 000 ms (1001 pts)	Sweep 1.			150 kHz	#VBW	-	0 GHz kHz	70900 W 47 I		
Auto Ma	P MATRIX VIGULA	TUNCTION WIDTH	UNCTION		-29.87 df	74 GHz	1,709.9			N	
Freq Offse											234
						-		-			67
			_					-			5 6 7 8 9 10
			_		-			1	1-1-	-	11
		STATUS							_	i	5/5

HSUPA B4 LowCH1312-1712.4

10 4 4			-		-		_	- 14	- An myrait	man illest	a ay
Frequency	1 2 3 4 5 6 A NNNN N	TRAD	ALBUM WOTO pe: Log-Pwr	Avg	e Run	Trig: Fre	PNO: Wide	00000 G	eq 1.71	ter Fr	Cen
Auto Tun	74 GHz 52 dBm	1.709 9	Mkr1	~	Bb 0	#Atten: 3	FGalin:Low	13.9 dB	Ref Offse Ref 30.	B/div	10 di
Center Fre 1.710000000 GH	X			-	_			-			39.0 19.0
Start Fre 1.709000000 GH					1		-		-		10.00 10.0 20.0
Stop Fre 1.711000000 GH											40 0 40 0 50 0
CF Ster 200.000 kH Auto Ma	1001 pts)		Sweep 1.			V 150 KHz	#VBV	-	9000 GH 47 kHz		star Re
Freq Offse 0 H						-29.52 d	74 GHz			N 1	1234
1	-										567891011
		-	STATUS			_					45/5

HSUPA B4 HighCH1513-1752.6

again (gennam a) myre	Thomas Sa				10 4 113
Center Freq 1.75	5000000 GHz	Trig: Pree Run	Aug Type: Log-Pwr	1001114 PMNov 26, 2018 TRACE 1 2 3 4 5 6 TITEL A WWWWW	Frequency
	et 13.9 dB	#Atten: 30 dB	Mkr1	1.755 000 GHz -26.52 dBm	Auto Tune
20,0 100					Center Free 1.755000000 GH
0.00				43 (D (C))	Start Free 1.754000000 GH
-30.0 -40.0 -50.0					Stop Fre
500 Start 1,754000 GH #Res BW 47 kHz		W 150 kHz	Sweep 1	Stop 1,756000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 7 2 3 4 5	1,755.000 GHz	-26.52 dBm	ALCTION FUNCTION WADTH	PARELICRIVALIA:	Freq Offse 0 H
6 7 8 9					
11 , eso			STATU	· · · · · ·	

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WCDMA B5 LowCH4132-826.4

10.4	08:21 55 PM Nov 26, 2038	ALINEWING		SERIES IN	_	54	-Annyat (and Manual	- 0.9
Frequency	TRACE 1 2 2 4 5 6	Type: Log-Pwr	A	rig: Free Run		000 MHz	g 824.000	ter Fre	Cen
1.000	LET A NNNNN			Atten: 30 dB	Low	PNO: Wid IFGain:Lo			
Auto Tun	1 824.000 MHz -22.04 dBm	Mkr	~		-		Ref Offset 13 Ref 30.00		10 di
Center Fre		_	_	_	_			1	30.0
824.000000 MH						-			tere
		-							0.00
Start Fre 823,500000 MH	1000-000		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	•1					10.0
823.500000 MP									30.0
Stop Fre					_			-	40.0
824.500000 MH					- 1			-	65),0
									-EEL D
CF Ste 100.000 kH	top 824.5000 MHz 000 ms (1001 pts)	Sweep 1.		io kHz	#VBW	#	ioo MHz KHz	t 823.50 s BW 4	star Re
Auto Ma	FUNCTION VALUE	FUNCTION WOTH	PONCTION	22.04 dBm	dy .	824.000 MHz		N N	-
Freq Offse				actor size in		AND AN ARCHITE	-		234
01		-					-		5 6
					-		-		7
					-				8 9 10
					-		_		11
		STATUS							65

HSDPA_B5_HighCH4233-846.6

against .	-Bertings	Annyati	longs Sa	_			_		10.4
Center	Free	849.0	00000 MHz		Trig: Free Run	Avg	ALIWI MITC Type: Log-Pwr	08:56:55 1W/10/ 26, 203 TRACE 1 2 3 4 5 0 TIME A WWWW	Frequency
			PN IFG	O: Wide L.	#Atten: 30 dB		-	LET A NNNN	
10 dB/d		tef Offset tef 30.0				~	Mk	1 849.000 MHz -17.62 dBm	Auto Tun
20.0		-				_	_		Center Fre
10.00					-				849.000000 MH
-10.0		-			1	_			Start Free
20.0	-	-				-	-		848.500000 MH
40.0				-					
50,0	_		-	-		-			Stop Fre 849.500000 MH
60.0				-			-		
Start 8 #Res B		00 MHz kHz		#VBW	150 kHz	-	Sweep 1	top 849.5000 MHz .000 ms (1001 pts)	100.000 kH
			849.000	ML	-17.62 dBm	PONETION	FUNCTION WOTH	FUNCTION VALUE	Auto Ma
2345		-		- mere	-17.98 Stern				Freq Offse
6		-							
7 8 9 10		-							
11								;•	
45/5							STATU		1

WCDMA_B5_HighCH4233-846.6

10 4 23							134	ANDIAN		1000 10	- 0,0
Frequency	TRACE 1 2 3 4 5 6 TRACE A WWWWWW DET A NNNNN	08.38.0	vg Type: Log-Pwr	1	Trig: Free Run	IHz	00000 N	849.0	Freq	nter	Cen
	DET A NNNN N				#Atten: 30 dB	PNO: Wide					
Auto Tuni	9.000 MHz 17.13 dBm	kr1 849 -1	M	~			13.6 dB 0 dBm			B/div	10 d
Center Free 849.000000 MH									_	-	20.0 10.0
Start Free 848.500000 MH	100-10				•1-					-	0.00 -10.0 -20.0
Stop Free	_										30.0 -40.0
849.500000 MH											60.0 60.0
CF Ster 100.000 kH	49.5000 MHz ns (1001 pts)			_	150 kHz	#VBW		o MHa kHz	8.500 V 47 I		
Auto Ma	NOTION VALUE	11 1100	FUNCTION WIDT	PUNCTION	-17.13 dBm	000 MHz	849			N	1947
Freq Offse 0 H											2345
								-		-	5 6 7 8 9 10
					-			1	1	_	10
		105-	STAT						_	-	45/3

HSDPA B5 LowCH4132-826.4

Bigmen (Bennen A					10 4 63
Center Freq	824.000000 MHz	Trig: Pree Run	Aug Type: Log-Pwr	08/49/32 WMNov 26, 2038 TRACE 1 2 3 4 5 6 Tree A WWWWW DET A NNNNN	Frequency
	iFGain:Low	#Atten: 30 dB	Mkr	1 824.000 MHz -21.99 dBm	Auto Tune
30.0 Store	f 30.00 dBm			-21.99 dBm	Center Free
10.0					824.000000 MH
-10:0		e -		1000-00	Start Fred 823.500000 MHz
20.0 40.0 50.0					Stop Free 824.500000 MHz
Start 823.500 #Res BW 47 k	Hz #VBV	/ 150 kHz	Sweep 1.	top 824.5000 MHz 000 ms (1001 pts)	CF Step 100.000 kH Auto Mar
1 N 1 f 2 3 4	824.000 MHz	-21.99 dBm		MANGETON VALUE	Freq Offse 0 Hz
5 6 7 8 9 10 11					
11			STATUS		

HSUPA_B5_LowCH4132-826.4

10 4 6	to the second second					19 SA	An engent (Tom	george	against 1	
Frequency	109101121 PMNov 26,2115 TRACE 1 2 3 4 5 6 THE A WWWWW LET A NN NN N	Type: Log-Pwr		Trig: Free Run	tz PNO: Wide	0000 MH	824.00	Freq	R nter	Cer
Auto Tun	1 824,000 MHz	Mkr	-	#Atten: 30 dB	FGaintLow	4	of Offset 1	R	-	
	-22.34 dBm						ef 30.00		dB/di	10 d
Center Fre			-		-	-			a	30.0
824.000000 MH			_							10.00
Start Fre	1000-000		-		1	_		_		-10.0
823.500000 MH		-	-	-					1	20.0
- See 20										40.0
Stop Fre 824.500000 MH		-	-		-	-		_		60,0
	- C12 (0.2.5)				1		-			60.0
CF Ste 100.000 kH	op 824.5000 MHz 000 ms (1001 pts)	Sweep 1.	-	150 kHz	#VBW		kHz	23.500 W 47		
Auto Ma	PUNCTION VALUE	FUNCTION MOTH	PUNCTIO	-22.34 dBm	00 MHz	8				t veri
Freq Offse 0 H			_	-22.34 gpm	SOL MITZ	.624.0				2345
							-			5 6 7 8 9 10
							-		-	9 10 11
		STATUS							-	*
		PININP							-	199

HSUPA_B5_HighCH4233-846.6

Center Freg 849.0	14 NC .	UNL SERVICE	AUNUMENT		
a sinter i roq sitors	PNO: With Lal	Trig: Free Run	Avg Type: Log-Pwr	09:10:14 PMAGe 25, 2018 TRACE 1 2 3 4 5 6 Tree A WINNIN N	Frequency
10 dB/div Ref 30.0		#Atten: 30 dB	Mkr	1 849.000 MHz -17.11 dBm	Auto Tune
30.0					Center Freq 849.000000 MHz
-10:0				1010-05	Start Freq 848.500000 MHz
-20.0					Stop Freq 849.500000 MHz
Start 848.5000 MHz #Res BW 47 kHz		150 kHz		top 849.5000 MHz 000 ms (1001 pts)	CF Step 100.000 kHz Auto Man
1 N 1 f	849.000 MHz	-17.11 dBm			Freq Offset 0 Hz
5 6 7 8 9 9 10 11 11		~	STATUS		

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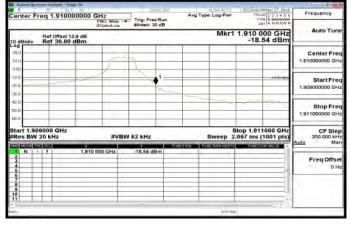
Band2 1 4MHz QPSK 1 0 LowCH18607-1850.7

Bigment (genter	- An angent (The	1 54	1			0 4 23
Center Fre	eq 1.85000	DOODO GHZ	Trig: Free Run	Aug Type: Log-Pwr	15(23:59 PMNov 27, 2038 TRACE 1, 2, 3, 4, 5, 6 Trace A, NNNNN	Frequency
10 dB/div	Ref Offset 13 Ref 30.00		#Atten: 30 dB	Mkr1	1.850 000 GHz -21.60 dBm	Auto Tuni
20,0 10.0						Center Fre 1.85000000 GH
0.00 -10.0 -20.0						Start Fre 1.849000000 GH
40.0 60.0						Stop Fre 1,851000000 GH
Start 1.849 FRes BW 2	20 kHz	#VB		Sweep 2	Stop 1.851000 GHz 2.067 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
N 1 2 3 4 5 6 7 8 9	r .	1,850 000 GHz	-21,60 dBm			Freq Offse 0 H
9 10 11 ,				STATU	e.	

Band2_1_4MHz_QPSK_6_0_HighCH19193-1909.3

agent (prove	-Annya (Toma	14				10 4 6
Center Free	g 1.91000	PNO: Wide -	Trig: Free Run	Avg Type: Log-Pwr	05134 38 MM Nov 27, 2038 TRACE 1 2 3 4 5 6 TITLE A WWWWW DET A NN NN N	Frequency
	Ref Offset 13.5	iFGain:Low	#Atten: 30 dB	Mkr1	1,910 000 GHz	Auto Tun
	Ref 30.00 d				-20.62 dBm	-
20.0						Center Fre
10.00			2			1.91000000 GP
-10.0				_	1000.000	StartFre
-20.0						1.909000000 GH
40.0						
60,0						Stop Fre 1,911000000 GH
-6(D) D			-		100 million (1997)	
Start 1.9090 #Res BW 20		#VB	W 62 kHz		Stop 1.911000 GHz .067 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
NAME MOTOR LINCE		1.910 000 GHz	-20.62 dBm	UNCTION FUNCTION WOTH	FUNCTION VALUE	Auto Ma
2345	-	1,910 000 GHz	-20.02 00m			Freq Offse
6 7 8						
9					1	
11					· · · · ·	
6(5)				57A16		

Band2_1_4MHz_QPSK_1_5_HighCH19193-1909.3



Band2_1_4MHz_QPSK_6_0_LowCH18607-1850.7

Agnest (gennum Annyet) from Sa	Series III	ALTHER MUTCH 105	30 28 PM Nov 27, 2018	10.4
Center Freg 1.85000000		Avg Type: Log-Pwr	TRACE 123456 THE A WWWNN	Frequency
0 dB/div Ref 0ffset 13.9 dB	T SHITLEON	Mkr1 1.8	50 000 GHz -22.67 dBm	Auto Tuni
50 g 20.0 10 0 0.00			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Center Free 1.85000000 GH
000 000		£		Start Free 1.849000000 GH
				Stop Free 1.851000000 GH
start 1.849000 GHz Res BW 20 kHz	#VBW 62 kHz	Sweep 2.067		CF Step 200.000 kH Auto Mar
No. F St St<	50 000 GHz22.67 dBm	UNICEENT FUNCTION WEITH	a Karan Kala Manka 👘 🔹	Freq Offse 0 H
		STATUS		

Band2_3MHz_QPSK_1_0_LowCH18615-1851.5

allan Marine	An expert (Tomas Sa					The street of			10 4 23
Center Freq	1.850000000	GHZ	Trig: Free	Run	Avg Type	Log-Pwr	05102:29 PA	1 2 3 4 5 6 A NNNN N	Frequency
10 dB/div R	ef Offset 13.9 dB ef 30.00 dBm	iFGain:Low	#Atten: 30	dB		Mkr1	1,850 00		Auto Tune
20,0 10.0		-			~				Center Free 1.850000000 GH
0.00 10.0 20.0		-	_	1			-		Start Free 1.849000000 GH
40.0 40.0 60.0									Stop Free 1.851000000 GH
Start 1.84900 Res BW 39	kHz	#VBW	120 kHz		CTION 1 PD	Sweep 1	top 1.851 .000 ms (1	001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 1 2 3 4	1,85	0 000 GHz	-15.28 dB						Freq Offse 0 H
5 6 7 8 9 10 11									
esis						STATU			

Band2_3MHz_QPSK_1_14_HighCH19185-1908.5

R 8-	req 1.9100	PNO: Wide -	Trig: Free Run #Atten: 30 dB	Aug Type: Log-Pwr	05:10:47 0MNov 27, 2038 TRACE 1:2:3:4:5:6 TITLE A WWWWW DET A NNNNN	Frequency
10 dB/div	Ref Offset 1 Ref 30.00	3.9 dB dBm		Mkr1	1.910 000 GHz -14.49 dBm	Auto Tune
20.0 10.0			~			Center Fred 1.91000000 GHz
0.00		-	1		11000	Start Free 1.909000000 GH
40.0 40.0 50.0				~~~		Stop Free 1.911000000 GH
Start 1.90 #Res BW		#VB	W 120 kHz	Sweep 1	Stop 1.911000 GHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 3 4		1,910.000 GHz	-14.49 dBm			Freq Offse 0 Ha
5 6 7 8 9 10 11						
* 150				57ATH	+	

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台灣檢驗科技股份有限公司



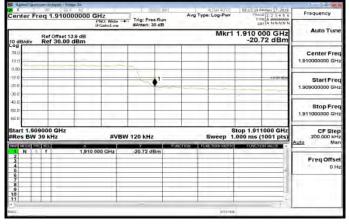
Band2_3MHz_QPSK_15_0_LowCH18615-1851.5

Against Spectrum Analysis Tomas Sa				10 4 23
Center Freq 1.850000000 GH	Wide +++ Trig: Free Run	Aug Type: Log-Pwr	05:03:27 PMNov 27, 2038 TRACE 1 2 3 4 5 6 TITE A WWWWWW DET A NN N N	Frequency
Ref Offset 13.9 dB 10 dB/div Ref 30.00 dBm	iniLow #Atten: 30 dB	Mkr1	1.850 000 GHz -23.21 dBm	Auto Tune
30,0 10.0				Center Free 1.85000000 GH
0.00			and the second s	Start Fre 1.849000000 GH
40.0 40.0 60.0				Stop Fre 1.851000000 GH
Start 1.849000 GHz #Res BW 39 kHz	#VBW 120 kHz		Stop 1.851000 GHz .000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
2 1,850 000 2 3				Freq Offse 0 H
5 6 7 8 9 10 11				1
eşa i		STATU		

Band2 5MHz QPSK 1 24 HighCH19175-1907.5

R.	req 1.910	0000000 G	NO: Wide -	12000		Avg Typ	ALIM NOTO e: Log-Pwr	TRA	4M Roy 27, 2018	Frequency
10 dB/div	Ref Offse Ref 30.0	t 13.9 dB	GaintLow	EAtten: 30	dB		Mkr1	1,910	000 GHz 28 dBm	Auto Tune
20,0 10.0	_	1			_					Center Free 1.910000000 GH
0.00 -10.0 -20.0	-		-	2	1		_			Start Free 1.909000000 GH
-40.0 -60.0 -60.0								~		Stop Fre 1.911000000 GH
Start 1.90 #Res BW			#VB	N 150 kHz		NETION 1 PD	Sweep 1	.000 ms	1000 GHz (1001 pts)	CF Ste 200.000 kH Auto Ma
N 23 4 5 6 7	T	1,910.00	00 GHz	-16.28 dB						Freq Offse 0 H
8 9 10 11 ,				~			57410			

Band2_3MHz_QPSK_15_0_HighCH19185-1908.5



Band2 5MHz QPSK 1 0 LowCH18625-1852.5

again (process)	house 54		ALIGH MUTC	12:37:59 AM Nov 27, 2018	10.4
Center Freq 1.850	PNO: Wide	Exercised and	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 THE A WWWWW	Frequency
0 dB/div Ref 30.0	13.9 dB	Britan. So da	Mkr1	1.850 000 GHz -18.62 dBm	Auto Tun
og 30,0 10.0					Center Free 1.850000000 GH
0.00		- 1 -			Start Fre 1.849000000 GH
10.0 40.0 50.0					Stop Fre 1.851000000 GH
tart 1.849000 GHz Res BW 51 kHz		150 kHz		top 1.851000 GHz 000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
7 N 1 7 2 3 4	1,850.000 GHz	-18,62 dBm			Freq Offse
5 6 7 8 9					
11			STATUS	· · · ·	

Band2 5MHz QPSK 25 0 LowCH18625-1852.5

10 4 2		-	-	_				4 54	nya) (Tee	- An	1 mar 1	
Frequency	AM Roy 27_2018	TRA	ALIGN MOTO	Avg	e Run	Sec. 1	Hz PNO: Wide	00000 G	.8500	req 1	nter	Cer
Auto Tun				-	Bb 0	#Atten: 3	FGain:Low	-	_	-	_	_
- Sure (un	000 GHz .86 dBm	-23	Mkr1		_			dBm	Offset 13 30.00	Ref	Bidiv	10 d
Center Free					-	-	-	-	_	-		38.0
1.850000000 GH				1.00	-	-	1	1				10.00
Start Free		-		1								-10.0
1.849000000 GH		-	-	4	+		-		-	-	1	20.0
1.5.5.4			-		1		1					40.0
Stop Free 1.851000000 GH		-	-		-		-	-	_	-		60,0
			-	-	-			-				-66.0
CF Ster 200.000 kH	(1000 GHz (1001 pts)	Stop 1.85 1.000 ms	Sweep 1		-	150 kHz	#VBV			49000 / 51 ki		
Auto Mar	ION VALUE	D.Stat	FUNCTION WOTH	PUNCTION		-23.86 di	00 GHz	1 850 0	_		N	1994
Freq Offse		-			sem	-80.00.00	ST ST IA	1,000_0				
OH	-	-	-		-		-			1		4 5
												78
			_	_			-		_			2 3 4 5 6 7 8 9 10 11
	- ×.		STATU							1.1	- '	*
		0°].	STATE								-	194

Band2 5MHz QPSK 25 0 HighCH19175-1907.5

			10 4 63
Extra Contraction	Avg Type: Log-Pwr	TRADE 1 2 2 4 5 6	Frequency
#Atten: 30 dB		DET A NNNNN	
	Mkr1	1.910 000 GHz -22.37 dBm	Auto Tune
			Center Fred
			1.91000000 GH
1		-1000-000	StartFree
			1.909000000 GH:
			Stop Free
			1.911000000 GH
N 150 KHz	Sweep 1	top 1.911000 GHz .000 ms (1001 pts)	CF Step 200.000 kH
	NETION FUNCTION WIDTH	PUNCTION VALUE	Auto Mar
348.07 3300			Freq Offse 0 Ha
-	STATUS	E F	
	1 0 1 1 0 kHz	Arg Type: Log-Per Arg Type: Log-Per Mkr1 Mkr1 N 150 kHz. Sweep 1 22 37 dBm	Arg Type: Log-Per The Elization 2045 for the Elization of the Elizat

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Band2_10MHz_QPSK_1_0_LowCH18650-1855

against Spectrum Analyzes i S					0 4 23
R 8 50	PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	05:47:38 PMNov 27, 2038 TPACE 1 2 3 4 5 6 TTRACE A WWWWW	Frequency
10 dB/div Ref Offset	IFGain:Low	#Atten: 30 dB	Mkr2	1.849 938 GHz -14.57 dBm	Auto Tuni
20.0 10.0			7	1	Center Free 1.850000000 GH
0.00	- HAN	21	-ucoule/	W-300 m	Start Fre 1.849000000 GH
40.0 40.0 40.0					Stop Fre 1.851000000 GH
Start 1.849000 GHz #Res BW 100 kHz	<i>k</i> - <i>k</i>	W 300 kHz		Stop 1.851000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
	1,849 998 GHz 1,849 938 GHz	-14.81 dBm -14.57 dBm			Freq Offse
5 6 7 8 9 10 11					
asja i			57ATU		1

Band2_10MHz_QPSK_50_0_HighCH19150-1905

all and the owner with the	(I have the				10.4
Center Freq 1.9*	10000000 GHz	Trig: Free Run	Aug Type: Log-Pwr	05:55:05 PMNov 27, 20:8 TRACE 1 2 3 4 5 6 TITLE A WWWWW DET A NN NN N	Frequency
	iFGain:Low eet 13.9 dB	#Atten: 30 dB	Mkr1	1.910 000 GHz -22.17 dBm	Auto Tuni
0g 20,0 10.0					Center Fre 1.91000000 GH
0.00		1		and a geo	Start Fre 1.909000000 GH
-30.0 -40.0 -60.0					Stop Fre 1.911000000 GH
Start 1.909000 GH #Res BW 100 kHz		N 300 KHz	Sweep 1	Stop 1.911000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 T 2 3 4 5 6	1,910 000 GHz	-22.17 dBm			Freq Offse 0 H
7 8 9 10 11					
ntys i			57ATU	, , , , , , , , , , , , , , , , , , ,	

Band2_10MHz_QPSK_1_49_HighCH19150-1905



Band2 10MHz QPSK 50 0 LowCH18650-1855

Agreet The	Oran (1) (1) (1)	11			ALIWOWIYO	05:53:18 PMNov 27, 2818	10.4.63
enter F	req 1.85	0000000 G	NO: Wide -1	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 9 0	Frequency
10 dB/div	Ref Offs Ref 30.	et 13.9 dB .00 dBm	Gain:Low	#Atten: 30 dB	Mkr	1 1.850 000 GHz -24.24 dBm	Auto Tune
og 28.0 19.0	_						Center Free 1.85000000 GH
0.00 10 [°] 0 20 [°] 0 30 [°] 0				1		-110165	Start Free 1.849000000 GH
40.0 50.0 60.0							Stop Free 1.851000000 GH
1.000	9000 GH 100 kHz	iz	#VB	W 300 kHz		Stop 1.851000 GHz 1.000 ms (1001 pts)	
1 N 2 3 4 5		1,850.00	00 GHz	-24.24 dBm	UNCTION FUNCTION MIDT	PM/RETON VALUE	FreqOffse
5 6 7 8 9 10							
स/द					STAT	18	

Band2 15MHz QPSK 1 0 LowCH18675-1857.5

16.4									Annyati	i illes	(ages
Frequency	PMMor 27, 2018	TRA	ype: RMS old: 100/100	1	Pree Run	Jan.			50	1	R.
1.	ANTINNA	. 2	010. 100 100		1: 30 dB		NO: Wide - Gain:Low	iF)			
Auto Tuni	000 GHz 50 dBm		Mkr1						ef Offset 1 ef 30.00		0 dBJ
Center Free 1.85000000 GH	-		-	-				-		_	29.0 - 19.9
1.850000000 GH	2		1	11			1				
StartFree		-	manne	AM-JANAW	+'-	-	-	-	-	_	100
1.849000000 GH			warning		Anime	-	and my all	mann	white water	man	200
Stop Fre	-	-		-	-	-	-	-			10.0
1.851000000 GH										_	50.0 60.0
CF Ste 200.000 kH	1000 GHz (1001 pts)			-	HZ	620 KH	#VB	-	00 GHz	1.84900 BW 200	
Auto Ma	CONVALUE -	PUNCT	FUNCTION WIDTH	PUNCTION		Ŷ	-	8			
Freq Offse		-		_	dBm	-15,450	0 GHz	1,850.00			2
DH					-		-		-	11	2 3 4 5 6 7 8 9 10
					-				-		6
		-		_	-				-		8
											10
			STATU								(G)
		<u>ا</u>	STATE						_	_	1.1

Band2 15MHz QPSK 1 74 HighCH19125-1902.5

16.4	16105 32 WM Nov 27, 2035	AUNIAUE	_	สังราย			4.54	Annual (1000 10	- 01
Frequency	TRACE 1 2 1 4 5 6	pe: RMS			Jay in		- 85. 1	50 -	-	_	
Auto Tun	LET A NINNIN	the state of the s			sAtten: 3	NO: Wide - Gain:Low	- 4				
Auto Tun	1.910 092 GHz -13.278 dBm	Mkr4						f Offset 13		Bidiv	10 d
Center Fre		-	-	-		-		~	-	-	20.0
1.91000000 GH	1.			10			1		_		19.9
Start Fre	******	-	4	023	Tentangle	myster	34		_	-	-100
1.909000000 GH	non-manager	whendrow	And along						_		30.0
Stop Fre		-	_	-		-	-		-		40.0
1.911000000 GH						1					60.0
CF Ste 200.000 kH	op 1.911000 GHz 000 ms (1001 pts)			z*	620 kHz	#VB	-	0 GHz kHz	90900 N 200		
Auto Ma	FUNCTION VALUE	UNCTION WOTH	PONCTION:		Y		×				
Freq Offse				dBm	-14.350 d -14.087 d -13.889 d -13.278 d	06 GHz	1,910 0 1,910 0 1,910 0 1,910 0		1	NNNN	123
				-				-		-	56789
			_	_							10
	**				-			1	-	-	11
		STATUS								_	55

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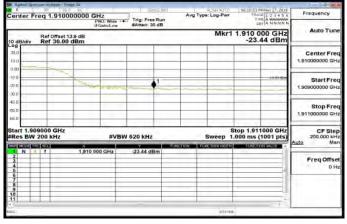
Band2_15MHz_QPSK_75_0_LowCH18675-1857.5

agmen (gennen annyet) henre 52		and the second second		10 4 23
Center Freq 1.850000000 GHz	Vide Trig: Free Run	Aug Type: Log-Pwr	06.10.08 PMNov 27, 2038 TRACE 1 2 3 4 5 6 TRACE A WARMAN	Frequency
IFGa Ref Offset 13.9 dB 10 dB/div Ref 30.00 dBm	Low #Atten: 30 dB	Mkr1	1.850 000 GHz -23.48 dBm	Auto Tuni
100				Center Fre 1.85000000 GH
0.00	*!	and the second second	estinge	Start Fre 1.849000000 GH
40.0 40.0 60.0				Stop Fre 1.851000000 GH
Start 1,849000 GHz #Res BW 200 kHz	#VBW 620 kHz		Stop 1.851000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
2 1,850 000 1 3 4	tz -23,48 dBm			Freq Offse 0 H
8 6 7 8 9 9 10 11				1
ingo i		STATU		-

Band2 20MHz QPSK 1 99 HighCH19100-1900

R R	50.0 102	sérise III	Avg Type	ALENA ALTO	10024-345 PM Nov 27, 2038	Frequency
	PNO: Fant +++		Avg Type Avg/Hold	100/100	LET A NUMBER	· · · · · · · · · · · · · · · · · · ·
10 dB/div Ref 30.	1.910 252 GHz -13.777 dBm	Auto Tun				
20.0 19.0		_				Center Fre 1.91000000 GH
0.00 -00 200	A Markey Markey	Walthough	3 Willing where	WHAT	ma wante	Start Fre 1.909000000 GH
40.0 60.0						Stop Fre 1.911000000 GH
Start 1.909000 GH Res BW 300 kHz		1,0 MHz*	_		top 1.911000 GHz 000 ms (1001 pts)	CF Ste 200.000 kH
NATES THE SEL	X	Y	FORGER N	A TION HIDTH	PUNCTION VALUE	Auto Ma
1 N I 2 N I 2 N I 5 6	1,910 010 GHz	-14.855 dBm -13.116 dBm -13.675 dBm -13.777 dBm				Freq Offse
8 9 10						
50				STATUS		

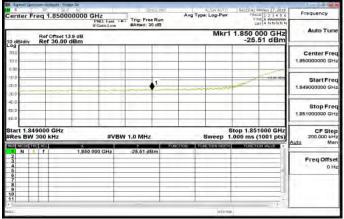
Band2_15MHz_QPSK_75_0_HighCH19125-1902.5



Band2 20MHz QPSK 1 0 LowCH18700-1860

- Agenet Spectrum Anappet 1	P P		ALIBRINIC	06121122 WMMar 27, 2018	10.4.63
10 10 10	PNO: Fast	and a second second	Avg Type: RMS Avg/Hold: 100/100	TRACE 123436	Frequency
	iFGain:Low	#Atten: 30 dB	C. March 1997	and the second se	Auto Tun
0 dBJdiv Ref 30.00			Mkr3	1.849 866 GHz -13.853 dBm	Auto Tuni
30.0					Center Free
19.9				1	1.85000000 GH
0.00		A32 1	Anno and the many	- and the second	
200		Multiple former de former	April a sugar	100100	Start Free 1.84900000 GH
20 0 crepagesta construction	And and the second				1.84900000 0H
40.0					Stop Free
60.0					1.851000000 GH
and the second second		- 1			
Res BW 300 kHz	#VE	W 1.0 MHz*		top 1.851000 GHz .000 ms (1001 pts)	CF Step 200.000 kH
NAMES AND ADDRESS OF	×		NETION - FUNCTION MIDTH	FUNCTION VALUE	Auto Mar
1 N F 2 N f 4 N f	1,850 000 GHz 1,849 900 GHz 1,849 866 GHz	-17 353 dBm -13 513 dBm -13 853 dBm			Freq Offse
5 6 7 8 9 10					
8 9					
10					
95			STATUS		

Band2_20MHz_QPSK_100_0_LowCH18700-1860



Band2 20MHz QPSK 100 0 HighCH19100-1900

Center Freq	1.910000000 G	Hz PNO: Fast +•	Trig: Free Ru #Atten: 30 dB	Avg	ALIGH MUTC Type: Log-Pwr	Del2e 3 e PMAN 27, 203 TRACE 1 2 3 4 5 TITE A WARNING	Frequency
10 dB/div Re	Auto Tune						
20,0 10.0							Center Free 1.91000000 GH
0.00	-		1			40 (D (G	Start Fre 1.909000000 GH
40.0 60.0							Stop Fre 1.911000000 GH
Start 1.90900 Res BW 300	kHz	#VBV	V 1,0 MHz		Sweep 1	Stop 1.911000 GHz .000 ms (1001 pts	CF Ster 200.000 kH Auto Ma
N 1 1 2 3 4 5		100 GHz	-23.92 dBm	PUNCTION:	FUNCTION WERE	FUNCTION VALUE	Freq Offse
5 6 7 8 9 10							
	+				STATU		

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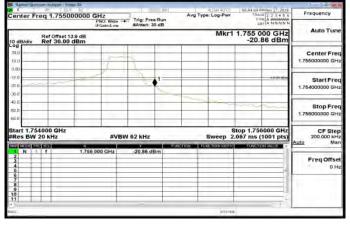
Band4_1_4MHz_QPSK_1_0_LowCH19957-1710.7

again (periode a)	ryynt i Bonna Sa				0 4 1
Center Freq 1	710000000 GHz	Trig: Free Run	Aug Type: Log-Pwr	06139113 PMNov 27, 2038 TRACE 1:2:3:4:5:6 Tree A WWWWWW DET A NNNNN	Frequency
10 dB/div Ref	Auto Tune				
20,0 10.0		-			Center Fre 1.710000000 GH
0.00		15			Start Fre 1.709000000 GH
40.0					Stop Fre 1.711000000 GH
Start 1,709000 #Res BW 20 kH		W 62 kHz	Sweep 2	Stop 1.711000 GHz 2.067 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
N 1 7 2 3 4 5 6 7	1,710 000 GHz	-19.15 dBm			Freq Offse D H
8 9 10 11 ,			STATE		

Band4_1_4MHz_QPSK_6_0_HighCH20393-1754.3

again (gennam annyn)	Tronge Size		A second		10.4.63
Center Freq 1.75	5000000 GHz PNC: Wide -	Trig: Free Run	Aug Type: Log-Pwr	06:49/23 PMNov 27, 2038 TRACE 1 2 3 4 5 6 THE A WWWWW DET A NNNN N	Frequency
10 dB/div Ref 30.	iFGain:Low	#Atten: 30 dB	Mkr1	1.755 000 GHz -26.39 dBm	Auto Tune
20.0 10.0					Center Free 1.755000000 GH
0.00 -10 0 -20 0					Start Fre 1.754000000 GH
-36.0 -46.0 -66.0					Stop Fre 1.756000000 GH
Start 1,754000 GH #Res BW 20 kHz		W 62 kHz	Sweep 2	Stop 1.756000 GHz .067 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 1 2 3 4 5	1,755.000 GHz	-26.39 dBm			Freq Offse 0 H
6 7 8 9 10					
, international data			STATU	j.	

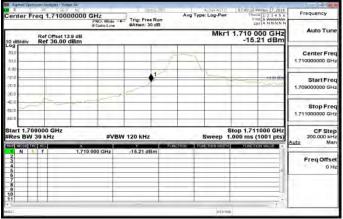
Band4_1_4MHz_QPSK_1_5_HighCH20393-1754.3



Band4 1 4MHz QPSK 6 0 LowCH19957-1710.7

Against Spectra Analysis I Trends Sa		ALIGH WITC 06:45:51 PMMov	10.4
enter Freq 1.7100000	00 GHz PNO: Wide +++ Trig: Free Run	Avg Type: Log-Pwr TRACE 1 2 trie Avg	2436 Frequency
Ref Offset 13.9 d 0 dB/div Ref 30.00 dBr	iFGain:Low #Atten: 30 dB B N	Mkr1 1.710 000 -25.91 c	GHz Auto Tuni
20.0			Center Free 1.710000000 GH
0.00	- I		Start Free 1.709000000 GH
40.0			Stop Free 1.711000000 GH
Start 1.709000 GHz #Res BW 20 kHz	#VBW 62 kHz	Stop 1.711000 Sweep 2.067 ms (1001	pts) 200.000 kH
	7.710 000 GHz -25.91 dBm		Freq Offse
9			=

Band4_3MHz_QPSK_1_0_LowCH19965-1711.5



Band4 3MHz QPSK 1 14 HighCH20385-1753.5

B 8.	req 1.755	000000 GH	lz NO:Wide → Gain:Low	Trig: Pree R #Atten: 30 c	tun		Log-Pwr	07/42:53 PMA TRACE TIME DET	04 27, 2018 2 3 4 5 6 NNNNN	Frequency
Ref Offset 13.9 dB Mkr1 1.755 000 GH: 10 dB/div Ref 30.00 dBm - 16.63 dBn - 16.63 dBn										Auto Tune
20,0 10:0	_	_	1	1						Center Fred 1.755000000 GHz
0.00 -10'0 -20.0		~	2	-						Start Fred 1.754000000 GH:
40.0 40.0 50,0						1			1	Stop Free 1.756000000 GH
Start 1.75 Res BW			#VB	V 120 kHz				top 1,7560 000 ms (10	01 pts)	CF Step 200.000 kH Auto Mar
1 N 2 3 4	1	1,755.00	0 GHz	-16,63 dBn						Freq Offset 0 Hz
5 6 7 8 9 10										
* 150							STATUS		+	-

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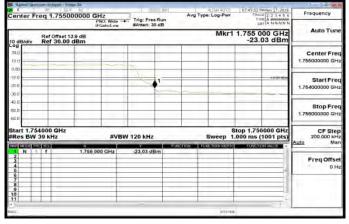
Band4_3MHz_QPSK_15_0_LowCH19965-1711.5

10.4			0			1.54	regard 1 Trees	()	and the	- Q.J	
Frequency	17:44:15 PMMov 27, 2018 TRACE 1 2 3 4 5 6 TIME A WWWWWW	Active wate		Trig: Free Run	Hz	00000 G	.7100	req 1	ter F	Cen	
			-	#Atten: 30 dB	PNO: Wide	, u		-			
Auto Tun	1.710 000 GHz -23.63 dBm	Ref Offset 13.9 dB Mkr1 1.710 000 GH -23.63 dB									
Center Fre		_	-			-	_	_	1	30.0	
1.71000000 GH					1	-		-	11	10.0	
Charle Free	comiga		J.		1.1.1.1					10.00	
Start Fre 1.709000000 GH		-	-	¢1-		-	-		-	20.0	
							50.0		~	40.0	
Stop Fre 1.711000000 GH							_	-		50,0	
1.711000000 0		-	-	-		-		-	-	-661.0	
CF Ste 200.000 kH	top 1.711000 GHz 000 ms (1001 pts)	Sweep 1.	-	120 kHz	#VBW			9000 39 kł			
Auto Mi	FINISHIN VALUE	FUNCTION WIDTH	PUNCTIC	-23.63 dBm	000 GHz	1,710.00	-		N	193	
Freq Offs										23456	
							_		-	6 7 8 9	
					-			1	-	9 10 11	
		-		-				1.1	-	•	
		STATUS							_	50	

Band4_5MHz_QPSK_1_24_HighCH20375-1752.5

R. 1	reg 1.755	000000 GHz	_	1	SE INI	Avg Typ	ALIM NOTO	TRAC	MNOV 27, 2018	Frequency
		PNO: IFGals	Wide	Trig: Free #Atten: 30		1100113		- 23	ANNNN	
Ref Offset 13.9 dB Mkr1 1.755 000 GH2 10 dB/div Ref 30.00 dBm -21.36 dBm -21.36 dBm										Auto Tuni
20,0 10.0	_	1	N						_	Center Fre 1.765000000 GH
0.00				-	1					Start Fre 1.754000000 GH
-20-0 40-0 60,0 60,0				-		-		~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Stop Fre 1.756000000 GH
Start 1.75 #Res BW		1	#VBW	150 KHz	_		Sweep 1	.000 ms (CF Ste 200.000 kF Auto Ma
1 N 2 3 4 5 6		3 1,755.000 G	Hz	-21.36 dB			24000000000	057410	JN VALUE -	Freq Offse 0 H
9 9 10										
* छठ							STATUS		*	

Band4_3MHz_QPSK_15_0_HighCH20385-1753.5



Band4 5MHz QPSK 1 0 LowCH19975-1712.5

Against (percent Armyre) Toma	14	SERVE IN	ALIGH WITC	07:59:46 PMNov 27, 2018	10 4 63
Center Freq 1.710000	PNO: Wide	Exception and	Avg Type: Log-Pwr	TRACE 1/2 3 4 5 6	Frequency
Ref Offset 135	Auto Tune				
30,0					Center Free 1.710000000 GH
0.00		1	5		Start Free 1.709000000 GH
40 0 50,0 60,0					Stop Free 1.711000000 GH
Start 1,709000 GHz Res BW 51 kHz	#VBW	150 kHz	Sweep 1	stop 1.711000 GHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1002 North Lines Cont. 2 3 4 5 6 7	20 1,710.000 GHz	-21.32 dBm	NCTION PURCTION WITH I	P.576 132 VALIE -	Freq Offse 0 H
5 6 7 8 9 10					

Band4 5MHz QPSK 25 0 LowCH19975-1712.5

all and the comparison of the					10.4 43
Center Freq 1.71	00000000 GHz	Trig: Free Run	Aug Type: Log-Pwr	08:11:07 WMAN 27, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW DET A NNNNN	Frequency
10 dB/div Ref 30	Auto Tune				
20.0 10.0					Center Free 1.710000000 GH
0.00 -10.0 -20.0			1	1000-00	Start Free 1.709000000 GH
40.0 60.0					Stop Free 1.711000000 GH
Start 1.709000 GH #Res BW 51 kHz		V 150 kHz		top 1.711000 GHz .000 ms (1001 pts)	CF Ster 200.000 kH Auto Mar
N f 2 3 4 5 6 7 8 9 10 11	1,710.000 GHz	-27.29 dBm			Freq Offse 0 H
8 9 10 11			STATU		

Band4 5MHz QPSK 25 0 HighCH20375-1752.5

B 8-	req 1.75	50000000 GHz PNO: Wide IFGain:Low	Trig: Pree Run #Atten: 30 dB	Aug Type: Log-Pwr	08:18:48 PM Nov 27, 2018 TRACE 1 2 3 4 5 6 TIME A WWWW DET A N N N N N	Frequency
10 dB/div	Auto Tune					
20.0 10.0	_					Center Free 1.755000000 GH:
0.00 -10.0 -20.0					43 (D (C)	Start Free 1.754000000 GH
-40.0 -50.0 -60.0						Stop Free 1.756000000 GH
Start 1,7 #Res BW			W 150 kHz	Sweep 1	stop 1,756000 GHz .000 ms (1001 pts)	CF Ster 200.000 kH Auto Mar
1 N 2 3 4 5 6		1,755.000 GHz	-25.50 dBm			Freq Offse 0 H
5 6 7 8 9 10 11						
. सन्द				57ATU	1	1

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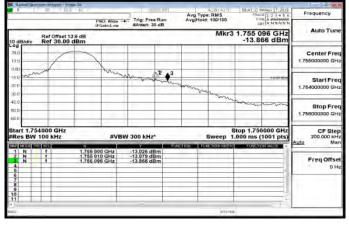
Band4_10MHz_QPSK_1_0_LowCH20000-1715

10 4 6					-			11 34	Nyati i Soot	(i)	and the	- Q
Frequency	MNov 27, 2018	TRAC	ALIGN WITCHE: Log-Pwr	Avg Ty	Run	Jan		18.1	1 50 2	10		R 6
Auto Tun	A WWWWW	1. T.		-		sAtten: 3	NO: Wide - Gain:Low			_		_
Auto Tun		Ref Offset 13.9 dB Mkr2 1.709 940 GH -13.67 dBr -13.67 dBr										
Center Fre		-		-	-		-	-		-		30,0
1.710000000 GH		1	1			-			-			10.00
Start Fre	in the second		1	- R	1	♦ ²						-10.0
1.709000000 GH			-		C Y	parente	Ner's		-	-	1.1	20.0
		-			-		and the	WWW	- America	-	-	40.0
Stop Fre									June 1	1700	100	40.0
1.711000000 GH	-		-	-	-	-	-	-		-	-	-60.0
CF Ste 200.000 kH	1000 GHz		Sweep 1.	-	-	/ 300 kHz	#1/P1			9000		
Auto Ma	HEMEMAN -		Sweep 1.	MCTON- 1		7 300 KHZ	#VB	×			-	_
					Bm	-13.64 df -13.67 df	00 GHz	1,710 0		1		1
Freq Offse			-		-				-	-	-	34
	-1			-			-		_		-	56789
		-			-				_		-	8
					-						-	10
			STATUS			-					- 1	*
		1.	PINIUS								_	and .

Band4_10MHz_QPSK_50_0_HighCH20350-1750

10.4.63				-			134	10111	0	and they	- Q.(1	
Frequency	08/47:10 PMNov 27, 2018 TRACE 1 2 3 4 5 6		Aug Type: Log-Pwr				PNO: Wide -			er Fr	en	
	DET A NNNN N		-		#Atten: 30	PNO: Wide	ir		-	_	_	
Auto Tune	000 GHz 2.38 dBm	Ref Offset 13.9 dB Mkr1 1.755 000 GHz 0 dBJdiv Ref 30.00 dBm -22.38 dBm										
Center Free 1.755000000 GH				_		-	-		-	-	30.0	
1.756000000 GH		-				1		v			10.00	
Start Free		-	_	-		-		_	-	-	10.0	
1.754000000 GH					and the	10.000					30.0	
Stop Free			-			-			-	-	40.0	
1.756000000 GH									-		60,0 66,0	
CF Ster 200.000 kH Auto Ma	56000 GHz (1001 pts)	1.000 ms	Sweep 1		300 kHz	#VBV	-		4000 100 k	BW	Re	
CHIV ma	TION WALLE	P MARKET	FUNCTION WOTH		-22.38 dB	00 GHz	1,755 00	-		N	- 19	
Freq Offse											2 3 4	
				-							56789	
											10	
		-	-	-	-			_	1.1	-	11	
		8	STATUS							_	50	

Band4_10MHz_QPSK_1_49_HighCH20350-1750



Band4 10MHz QPSK 50 0 LowCH20000-1715

Against Spectrum Armynt (Some Sa		ALIUM MUTCH 10	8:44:15 PM Nov 27, 2018	10.4.63
Center Freq 1.71000000		Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
	iFGain:Low #Atten: 30 dB			Auto Tune
Ref Offset 13.9 dB		Mkr1 1.7	10 000 GHz -25.06 dBm	Auto Tum
30,0				Center Free 1.71000000 GH
0.00	1			StartFree
100		N Lenner		1.709000000 GH
60,0 60,0				Stop Free 1.711000000 GH
Start 1.709000 GHz Res BW 100 kHz	#VBW 300 kHz		1.711000 GHz) ms (1001 pts)	CF Stej 200.000 kH Auto Ma
N I I I	710 000 GHz -25.06 dBm	NCTION FUNCTION WIDTH	PUNCTION VALUE	Auto Ma
2 3 4 5				Freq Offse 0 H
5 6 7 8 9 9 10				1.
10				

Band4_15MHz_QPSK_1_0_LowCH20025-1717.5

Serser Mile Automatic Page Average Averag	Frequency									
IFGain:Low #Atten: 30 dB										
	Auto Tun									
Ref Officet 13.9 dB Mkr2 1.709 878 GH										
	Center Free									
	1.710000000 GH									
2 stra new agric (method	Start Fre									
many many in the second s	1.709000000 GH									
	Stop Fre									
	1.711000000 GH									
GHz Stop 1,711000 GHz Hz #VBW 620 kHz* Sweep 1,000 ms (1001 pts)	CF Ste									
CHz #VBW 620 kHz* Sweep 1.000 ms (1001 pts)										
1,710 000 GHz -19,549 dBm										
1,709 878 GHz -14 214 dBm	Freq Offse									
	0 H									
9										
STATUS										

Band4 15MHz QPSK 1 74 HighCH20325-1747.5

10.4							Annyani 🔤	y	1 mar 1 1	- 0/
Frequency	TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6 TREE A WINNEN	Type: RMS Hold: 100/100		Trig: Pree Ru	Wide	R	50 -	1		R
	and the second sec	area and a second	-	#Atten: 30 dB	Salin:Low	IFC			_	-
Auto Tun	1.755 260 GHz -14.197 dBm	Mkr4		-			offset 13		Bidiv	10 d
Center Fre		-	-	-		-		1		20.0 19.9
1.755000000 GF		1111	100		1.1		1	-	11	19.0
StartFre			23	proposition	mant	month			-	100
1.754000000 GH	mannan	mad another	rww	and all there	1.000			_		20 D
Stop Fre			-	-				_	-	40.0
1.756000000 GH			_					_		60.0
CF Ste 200.000 kH	top 1.756000 GHz 000 ms (1001 pts)			20 kHz*	#VBW		0 GHz	75400 N 200		
Auto Ma		FUNCTION MOTOR	DONIEN	Ŷ		×			Margaret	-
Freq Offse				19.337 dBm 13.897 dBm 14.132 dBm 14.197 dBm	4 GHz 8 GHz	1,755 00 1,755 08 1,755 11 1,755 26		1	NNNN	123
						_	-			567
			_				-			6 7 8 9 10
		· · · · · ·	_	-			1		-	
		STATUS						_	_	(G)

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Band4_15MHz_QPSK_75_0_LowCH20025-1717.5

again (periode a) alla	n i hanna Sa				10 4 23
Center Freq 1.7	10000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	09:13:17 PMNov 27, 2038 TRACE 1:2:3:4:5:6 TITEL A WWWWW	Frequency
10 dB/div Ref 30	Auto Tuni				
20,0 10:0					Center Fre 1.710000000 GH
0.00		1			Start Fre 1.709000000 GH
40.0					Stop Fre 1.711000000 GH
Start 1.709000 Gi #Res BW 200 kH		W 620 kHz		Stop 1,711000 GHz .000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
N 1 1 23 4	1,710 000 GHz	-23.10 dBm			Freq Offse
5 6 7 8 9 10 11					1
uss .			STATU		1

Band4_20MHz_QPSK_1_99_HighCH20300-1745

	nyati basa Sa	1 SERVE IIII			10/28/48 PM/Hor 27	10.4
R. 1. 40		and a second	Avg Type:	RMS	TRACE 1 2 3	a 5 6 Frequency
Ref	PNO: Fast +++ iFGain:Low	Trig: Free Run #Atten: 30 dB	Avg(Hold: 1	00/100	DET A NIV	Auto Tune
	30.00 dBm		1 1			
19.0	<	-				Center Free 1.755000000 GH
0.00	The second statement of the second	Warman D2			49.0	start Fre
20.0			an Auguran Martin	why have	many many	1.754000000 GH
40.0						Stop Fre
60.0		_		_		1.756000000 GH
Start 1.754000 Res BW 300		1.0 MHz*	S	weep 1	top 1,756000 0 .000 ms (1001 p	200.000 kH
INCOME DATE			PONETRY: FUNC	TION HADTH	PUNCTION VALUE	Auto Ma
1 N f 2 N f 4 5	1,755 000 GHz 1,755 048 GHz	-14.612 dBm -13.527 dBm				Freq Offse DH
5 6 7 8 9						
10		-				
650				STATU		1

Band4_15MHz_QPSK_75_0_HighCH20325-1747.5

Agenet (gennen Arreyts) house	14	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			10 4 63
Center Freq 1.755000	PNO: Wide -+	Trig: Free Run	Avg Type: Log-Pwr	09.15.53 PMNov 27, 2038 TRACE 1 2 3 4 5 6 TIME A WWWW	Frequency
Ref Offset 13.9 10 dB/div Ref 30.00 dB	Auto Tune				
20.0 10.0	-				Center Free 1.755000000 GH
0.00		man the		4000 Km	Start Free 1.754000000 GH
40.0 60.0 60.0					Stop Free 1.756000000 GH
Start 1.754000 GHz #Res BW 200 kHz	#VBN	620 kHz	Sweep 1	top 1.756000 GHz .000 ms (1001 pts)	CF Ster 200.000 kH Auto Ma
No. Yes Yes <thyes< th=""> <thyes< th=""> <thyes< th=""></thyes<></thyes<></thyes<>	× 1,755 000 GHz	-23.05 dBm	NICE NOW TO LINE TO MONTO (1)	PLOTHER IN MALINE -	Freq Offse 0 H
9 10 11 11			574768		

Band4 20MHz QPSK 1 0 LowCH20050-1720

allow the complete			ALIGH WITC	09:25:03 PMNov 27, 2018	0.4.63
8 8	PNO: Fast ++	Trig: Free Run	Avg Type: Log-Pwr	109:25:83 PMNov 27, 2038 TRACE 1 2 3 4 5 6 TITE A WWWWW DET A NNNNN	Frequency
0 dB/div Ref 3	iFGain:Low set 13.9 dB 0.00 dBm	#Atten: 30 dB	Mkr5	1.709 748 GHz -15.19 dBm	Auto Tune
og 30,0 10.0				-	Center Free 1.710000000 GH
0.00 10:0 20:0	Mun phylamet Astronym	40 24 23 2 11 Mar 1 1 Mar	1000 Mary Mary	1000 100	Start Free 1.709000000 GH
10 0 10 10 10 10 10 10 10 10 10 10 10 10					Stop Free 1.711000000 GH:
tart 1.709000 G Res BW 300 kH	z #VBV	/ 1.0 MHz	Sweep 1.	top 1.711000 GHz 000 ms (1001 pts)	CF Ster 200.000 kH Auto Mar
Bits N 1 F 1 N 1 F 2 N 1 F 3 N 1 F 4 N 1 F 5 N 1 F 6 7 7 8 9 10 11 11	5 1,710 000 GHz 1,709 994 GHz 1,709 996 GHz 1,709 890 GHz 1,709 890 GHz 1,709 748 GHz	-13.38 dBm -13.38 dBm -14.20 dBm -14.89 dBm -15.19 dBm			Freq Offse 0 H
10		-	STATUS	*	

Band4_20MHz_QPSK_100_0_LowCH20050-1720

against 191	Course An any st of The					10 4 63					
Center F	reg 1.7100	00000 GHz	Trig: Pree Run	Avg Type: Log-Pwr	09:29:48 PMNov 27, 2038 TRACE 1:2:3:4:5:6	Frequency					
		PNO: Fast + IFGain:Low	#Atten: 30 dB		DET A NNNN N	Auto Tune					
10 dB/div	Ref Offset 13.9 dB Mkr1 1.710 000 GH 0 dB/d/v Ref 30.00 dBm -22.80 dBr 9										
30,0 10.0						Center Free					
0.00											
20.0			*		ut-	Start Free 1.709000000 GH:					
40.0						Stop Free					
60.0						1.711000000 GH					
Start 1.70 #Res BW	9000 GHz 300 kHz	#VB	W 1.0 MHz	Sweep 1	Stop 1.711000 GHz .000 ms (1001 pts)	CF Ster 200.000 kH					
		1,710 000 GHz	-22.80 dBm	NCTION FUNCTION WIDTH	PUNCTION VALUE	Auto Ma					
2 3 4		1,710 000 GH2	-22.60 dBm			Freq Offse					
5 6 7 8 9											
10					+						
150				STATU							

Band4 20MHz QPSK 100 0 HighCH20300-1745

10.4		-				154	Peril Trees	ο	a man a la	1 0
Frequency	109:31:19 PMNov 27, 2018 TRACE 1 2 3 4 5 6 Tret A WWWWW	Type: Log-Pwr	Av	Trig: Free Run	IZ	00000 G	.75500	Freq 1	nter l	Cer
		-		#Atten: 30 dB	Gain:Low	IF		-	_	_
Auto Tur	1.755 000 GHz -21.67 dBm	Mkr1	-				Offset 13 30.00		B/div	10 d
Center Fre		_	_			-	_	_		39,0
1.755000000 GH		-			-			-		10.0
-	4000.000			1				-		10.00
Start Fre 1.754000000 GH					stance	L. W.	Way	-	-	20.0
			-			-				10.0
Stop Fre										50,0
1.756000000 GP		-	-	_			_	-	-	60 D
CF Ste 200.000 kH	top 1.756000 GHz 000 ms (1001 pts)		_	1.0 MHz	#VBW	•		54000		
Auto Mi	FUNCTION VALUE	FUNCTION WIDTH	PUNCTION	-21.67 dBm	O CHA	1,755.00	_		N	199
Freq Offs 01				- KIST Stell		1.1.952,05		-		2345
							_			56789
										10
	· · · ·							1	-	11
		57A THE							_	50

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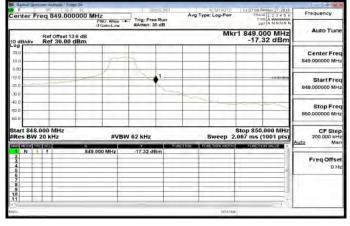
Band5_1_4MHz_QPSK_1_0_LowCH20407-824.7

Aginer (genner Annyn) i brens 52			And a state of the second	10 4 63
Center Freq 824.000000 MHz	sense m	Aug Type: Log-Pwr	11120:05 PMNov 27, 2018 TRACE 1 2 3 4 5 6	Frequency
PNO: Wide IFGain:Low	#Atten: 30 dB		LET A NNNNN	
Ref Offset 13.5 dB 10 dB/div Ref 30.00 dBm	Auto Tune			
30,0				Center Free 824.000000 MH
0.00	•15			Start Free 823.000000 MH
				Stop Free 825,000000 MH
Start 823.000 MHz	V 62 kHz	Sweep 2.	Stop 825.000 MHz 067 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 f 824,000 MHz 2 3 4	-21.64 dBm			Freq Offse 0 H
5 6 7 8 9 9 10				
11		STATUS	· · · ·	

Band5 1 4MHz QPSK 6 0 HighCH20643-848.3

enter Freq 849.000000 MHz	MNov 27, 2015 1 2 3 4 5 6 Frequency TANNNNN	TRADE 1
iFC	Auto Tur	1 849.000
dB/div Ref 30.00 dBm	62 dBm	
99	Center Fre	
00	849.000000 MH	
00		
0.0	Start Fre 848.000000 MH	
50	848.000000 MP	
0.0	Stop Fre	
0,0	850.000000 MH	
D.D.	·	
art 848.000 MHz Res BW 20 kHz		Stop 850.000 .067 ms (100
WINE THE SEL	Auto Ma	PUNCTION VA
N 1 7 849.000	FreqOffse	
4	OF	
5		-
7 8. 9		-
0		
the stands	- F	-

Band5_1_4MHz_QPSK_1_5_HighCH20643-848.3



Band5 1 4MHz QPSK 6 0 LowCH20407-824.7

Againet (genouse Arrays) Tomas Sa	sense mi	ALIWOWINE	11128:05 PMNov 27, 2018	1.0.4 63
Center Freq 824.000000 1	MHz PNO: Wide +++ Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TITLE A WWWWW	Frequency
Ref Offset 13.5 dB 10 dB/div Ref 30.00 dBm	IFGain:Low #Atten: 30 dB	Mkr	824.000 MHz -23.03 dBm	Auto Tune
-og 30.0 10.0				Center Free 824.000000 MH
0.00 100 200			1000164	Start Free 823.000000 MH:
40.0 40.0 60.0				Stop Fred 825.000000 MH
Start 823.000 MHz #Res BW 20 kHz	#VBW 62 kHz		top 825.000 MHz 167 ms (1001 pts)	CF Step 200.000 kH
N 1 7 82 2 1 7 82 3 4 4 4	4.000 MHz -23,03 dBm	INCTION FUNCTION METH	PUNCTION VALUE	FreqOffse
4 5 6 7 8 9 9 10				0 H
10		STATUS		

Band5 3MHz QPSK 1 0 LowCH20415-825.5

against (percentar an ergen) i former Sa				-	10 4 23
Center Freq 824.000000 M	PNO: Wide -P- Trig:	Free Run	Aug Type: Log-Pwr		Frequency
Ref Offset 13.5 dB	Auto Tune				
300 100			~		Center Free 824.000000 MH;
0.00 -10.0 -20.0		*			Start Free 823.000000 MH
40.0 60.0 60.0					Stop Free 825.000000 MH
Start 823.000 MHz #Res BW 39 kHz	#VBW 120 F		Sweep	Stop 825.000 MHz 1.000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
2 N 1 F 82 3 4	4.000 MHz -16.1	4 dBm			Freq Offse 0 H
5 6 7 8 9 10 11					
45/3°)			STAT	05	

Band5 3MHz QPSK 1 14 HighCH20635-847.5

1014 🖬	L1106:18 PMNov 27, 2018	ALIGH MITC		L SERVE IN		194	Annyati	(george	a games			
Frequency	TRACE 1 2 2 4 5 6	Type: Log-Pwr	Avg	Trig: Free Run	-	000 MHz	849.000	Free	enter			
	TITE A WWWWW			#Atten: 30 dB	O: Wide	PNK						
Auto Tun	1 849.000 MHz -12.02 dBm	Ref Offset 13.5 dB Mkr1 849.000 MH: 10 dB/div Ref 30.00 dBm - 12.02 dBn - 12.02 dBn										
Center Fre		_	_		-				1.0			
849.000000 MH				1	1	-			10			
StartFre					· · · · ·	a.d			00			
848.000000 MH		_	~	~	-	-			0			
			-			-		-	0.0			
Stop Fre	~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~								0,0			
850.000000 MH		-	_	_	_			-	10			
CF Ste 200.000 kH	Stop 850.000 MHz 000 ms (1001 pts)	Sweep 1.		120 kHz	#VBW		MHz kHz	48.00 W 39				
Auto Ma	PLONE FOR WALLE	FUNCTION MIDTH	PONCTION	-12.02 dBm	MHz	849.000			N			
Freq Offse 0 H									2			
					-		-		5 6 7 8			
									0			
_							1	1	1			
		STATUS							si			

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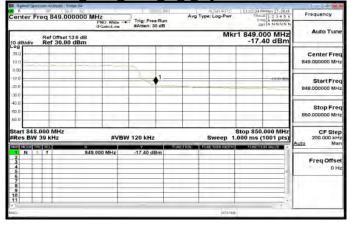
Band5 3MHz QPSK 15 0 LowCH20415-825.5

	1 - T. T. T.		10 4 4
and the second s	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
#Atten: 30 dB			
	Mk	1 824.000 MHz -22.44 dBm	Auto Tun
			Center Fre
			824.000000 M
1			StartFre
			823.000000 MH
			Stop Fre
			825.000000 MH
W 120 kHz	Sweep 1	Stop 825.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH
	CHON FUNCTION WOTH	FUNCTION VALUE	Auto Ma
-22.44 dBm			Freq Offse
			1.
	STATUS		L
	120 kHz	Avg Type: Log-Per Arg Type: Log-Per Mkt Mkt W 120 kHz Sweep 1 -22.44 dBm	Arg Type: Log-Pwr Tring: [233434] Tring: Pres Bun Arg Type: Log-Pwr Tring: [233434] Mkr1 824.000 MHz -22.44 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1

Band5 5MHz QPSK 1 24 HighCH20625-846.5

Frequency	10.46:33 PM Nov 27, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW DET A NNNNN	pe: Log-Pwr	Avg		A State of the	e VO:Wide•	000 MH	849.00		R.
Auto Tun	849.000 MHz -20.21 dBm	Mkr	~			annia.com	6 dB	ef Offset 13 tef 30.00	Jdiv	10 dE
Center Fre 849.000000 MH	-		-			-	1	-		30,0 10.0
Start Fre 848.000000 MH	1000-000				N.S.		und t	- APAC	~	0.00 -10.0 -20.0
Stop Fre 850.000000 MH	~~~~~~	m								40.0
CF Ste 200.000 kH Auto Ma	top 850.000 MHz 000 ms (1001 pts)				/ 150 kHz	#VBV	*		848.0 BW 5	#Res
Freq Offse				Bm	-20.21 d	0 MHz	849.00		N 1	2345
										6 7 8 9 10
	E F	STATUS								* 15/5

Band5_3MHz_QPSK_15_0_HighCH20635-847.5



Band5 5MHz QPSK 1 0 LowCH20425-826.5

H R.	Annyat I	3 12 .	séribie		ALTRADUC	18:41:49 PM Nov 27, 2018	Frequency
Center F	reg 824.00	PNO: Wide	Trig: Pree Ru		Type: Log-Pwr	TRACE 1 2 3 4 5 6	
10 dB/div	Ref Offset Ref 30.00	IFGain:Low 13.5 dB) dBm	#Atten: 30 dE		Mki	1 824.000 MHz -21.33 dBm	Auto Tune
30,0 10.0				1	~		Center Free 824.000000 MH;
0.00			2	4	-		Start Free 823.000000 MH:
40.0	- ni						Stop Free 825.000000 MH
Res BW		#V	BW 150 kHz		Sweep 1	Stop 825.000 MHz .000 ms (1001 pts)	
2 3 4		824,000 MHz	-21.33 dBm	Public low	PUNCTION WORK	PLANE NON VALUE	Freq Offse 0 Ha
5 6 7 8 9 10 11				_			
espo	~ ~		-		STATUS		

Band5 5MHz QPSK 25 0 LowCH20425-826.5

agener ige	Course An Invested 11					10.4.63
Center F	req 824.0	00000 MHz	Trig: Pree Run	Aug Type: Log-Pwr	10:51:47 PMNov 27, 2018 TRACE 1:2:3:4:5:6 TTRE A WWWWWW	Frequency
10 dB/div	Ref Offset Ref 30.0	iFGaint.ow	#Atten: 30 dB	Mk	1 824.000 MHz -24.86 dBm	Auto Tune
20.0 10.0	_					Center Free 824.000000 MH
0.00 -10 0 -20 0 -30 0			•1	£		Start Fred 823.000000 MHs
-40 0 -60,0 -60,0						Stop Free 825.000000 MH
Start 823 #Res BW		#VB	W 150 kHz	Sweep 1	Stop 825.000 MHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
		824.000 MHz	-24.86 dBm			Freq Offse 0 H
11	1.1			STATU		

Band5 5MHz QPSK 25 0 HighCH20625-846.5

10.4		-			_	1.54	myont (Term	ан — А)	1 mar 10	- 01	
Frequency	10:55:53 PM Nov 27, 2038 TRACE 1 2 3 4 5 6	Type: Log-Pwr	Av	Trig: Free Run		000 MHz	849.000	Freq E	nter	Cer	
	LET A NNNN N			EAtten: 30 dB	low	PNO: Wide IFGain:Lov					
Auto Tur	Ref Offset 13.5 dB Mkr1 849.000 MH: 10 dB/div Ref 30.00 dBm -20.96 dBn										
Center Fre		_	_	_	_		_	_		.og	
849.000000 MH		-						-		10.0	
-		-		-	1					10,00	
Start Fre	100.00	-		- +1-	1				_	-10.0	
848.000000 MH							_			30.0	
Stop Fre		_			-		_	-	-	40.0	
850.000000 MH		-	_		-			-		50,0	
			_		-					-66.0	
CF Ste 200.000 kF Auto Ma	Stop 850.000 MHz 000 ms (1001 pts)	Sweep 1	-	50 kHz	#VBW	#V		8.000 I / 51 k			
Auto Ma	PLANCTION VALUE	FUNCTION WIDTH	PUNCTION	-20.96 dBm	1z	849.000 MHz			N	1997	
Freq Offs 0 F										2345	
										56789	
					-					9 10 11	
					-			1	-		
		STATUS							_	55	

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Report No.: E2/2018/B0047 Page 222 of 583

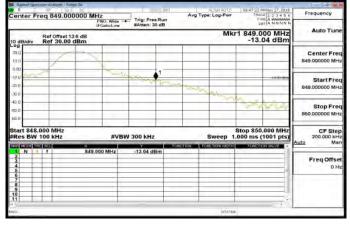
Band5_10MHz_QPSK_1_0_LowCH20450-829

agner (permenanye) i here Sa				10.4
R 50 - 50	sense.m	Aug Type: RMS	19:43:42 WMMov 27, 2038 TRACE 1:23:43:6 TITE A WWMWN N DET A NNNNNN	Frequency
PNO: 1 IFGain	Vide Trig: Free Run Luw =Atten: 30 dB	Avg[Hold: 100/100	LET A NNNN N	
Ref Offset 13.5 dB	Auto Tuni			
20.0				Center Fre 824.000000 MH
0.00 -/F6 	mann 3 Province	m	ma	Start Fre 823.000000 MH
100				Stop Fre
Res BW 100 KHz	#VBW 300 kH2*	Sweep 1	Stop 825.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N f 824,000 M 2 N f 823,980 M 3 N f 823,926 M	1z -14.856 dBm 1z -13.831 dBm	PONETON PURETON WORK	HATHINNALSE -	FreqOffse
4 5 6 7				DH
5 6 7 8 9 9 9 9 10 11				
4 865		STATU		

Band5_10MHz_QPSK_50_0_HighCH20600-844

R	eq 849.00	0000 MHz PNO: Wide = iFGain:Low	Trig: Free Run #Atten: 30 dB	Activities Avg Type: Log-Pwr	0915128 IWNev 27, 2018 TRACE 1 2 3 4 5 6 TITLE A WWWW N	
10 dB/div	Auto Tuni					
20,0 10.0						Center Free 849.000000 MH
0.00 -10'0 -20 0		m			1910-05	Start Fre 848.000000 MH
40.0 60.0 60.0						Stop Fre 850.000000 MH
Start 848.0 #Res BW	100 KHz	#VB	W 300 kHz		Stop 850.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
2 3 4 5 6 7 8 9	14	849.000 MHz	-20,60 dBm			Freq Offse 0 H
9 10 11 ,				574116	,+	

Band5_10MHz_QPSK_1_49_HighCH20600-844



Band5 10MHz QPSK 50 0 LowCH20450-829

B 8.	An erer	TS0- Tic -		38156.1W		ALIMIAUTO	09:48:46 PM Nov 27, 2018	Frequency
Center F	req 824	.000000 M	PNO: Wide -	Trig: Free Run	Avg Type	: Log-Pwr	TRACE 123456	
10 dB/div	Ref Off	set 13.6 dB 0.00 dBm	IFGain:Low	BAtten: 30 dB		Mki	1 824.000 MHz -20.95 dBm	
30,0 10.0	_	_	-					Center Free 824.000000 MHz
0.00				1	-	-	-100100	Start Free 823.000000 MH
30.0 40.0 60.0								Stop Free 825.000000 MH
Start 823 #Res BW	100 KH		#VB	W 300 kHz			Stop 825.000 MHz 000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
		824.	000 MHz	-20.95 dBm	PARCHEW PUP	X TONING (1	PARELEXMANE -	Freq Offse
2 3 4 5 6 7 8 9 10 11								
स्रद						STATUS		

Band7_5MHz_QPSK_1_0_LowCH20775-2502.5

10 4 1			-	_			_	154	Press i Tress	- Ann	1 mar 1 1 m	a a		
Frequency	TRACE 1 2 3 4 5 6 TRACE A WWWWW DET A NNNNN	03:55:35 TR	vg Type: Log-Pwr		Trig: Free Run		Iz NO: Wide	0000 GI	50000	req 2	nter F	Cer		
Auto Tun			_	_	n: 30 dB	#Atten	Galin:Low	ir	_			_		
Autorun	0 000 GHz 7.79 dBm	Ref Officet 14.1 dB Mkr1 2.500 000 GHz 10 dB/div Ref 30.00 dBm -17.79 dBm												
Center Fre		-			-			-	_	-		38.0		
2.50000000 GH	-	-	1	1	-	-	-	-		-		10.0		
-			1	<	1							10.00		
Start Free 2.499000000 GH	200	-		-	1		-			-	-	20.0		
								-				30.0 40.0		
Stop Free						1	1					40.0		
2.501000000 GH	-	-	-	-	-	-			-	-	-	-60 D		
CF Ster 200.000 kH	501000 GHz is (1001 pts)			-	Hz	150 kł	#VBW	-		9000 51 kF				
Auto Ma	NCTION VALUE	PUNC	FUNCTION MOTIN	PUNCTION	dBm	-17.79	0 GHz	2,500.00			N			
Freq Offse 0 H					r saeni .		U SHIN					234		
												5 6 7 8 9 10		
											-	10		
	+		STATUS									*		
		1	periode								-	-		

Band7 5MHz QPSK 1 24 HighCH21425-2567.5

10 4 6					_	4.54	any and the	0	A speed of the	- 01
Frequency	03:55 59 PM/Ior 27, 2018 TRACE 1 2 3 4 5 6 Tree A WAYNY	Type: Log-Pwr	Avg	Trig: Free Run	Z O: Wide	0000 GH	2.57000	req	nter F	Cer
Auto Tun	2.570 000 GHz	Mket		#Atten: 30 dB	aintlow	iFG		-	_	
	-19.64 dBm	MELL					f 30.00 c		B/div	10 d
Center Fre		_	_		-		_	_		30,0
2.570000000 GH					N		-	-		10.0
Clast Fra		_				1-	-			10.00
Start Fre 2.569000000 GH		-	-	-	-	-	21	-		20.0
					-		-		1	30.0 40.0
Stop Fre 2,571000000 GH					1					50,0
2.571000000 GH		-	_	_	_			-	-	60 D
CF Ste 200.000 kH	top 2.571000 GHz 000 ms (1001 pts)	Suman 1		150 kHz	-	· · · · ·	0 GHz		rt 2.5	
Auto Ma	Barener wave	aweep 1.	FUNCTION	150 KH2	#VBW	×			NOICE N	
				-19.64 dBm	GHz	2,570 800		1	N	23
Freq Offse		_						-		4
							-			56789
					-		-	-	-	9
							1	1	_	10
		STATUS								45

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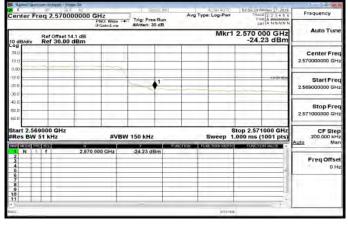
Band7 5MHz QPSK 25 0 LowCH20775-2502.5

allant Martin	An any state in the		sense mi	ALINA MITC	03156124 PMNov 27, 2018	10.4.63		
Center Fr	eq 2.500	PNO: Wide -	Trig: Free Run	Avg Type: Log-Pwr	TRACE 123456	Frequency		
10 dB/div	Ref Offset	iFGain:Low	#Atten: 30 dB	Mkr1	2.500 000 GHz -18.71 dBm	Auto Tune		
20,0 10:0						Center Fre 2.50000000 GH		
-10.0	_		• ¹			Start Fre 2.499000000 GH		
-40.0 -60.0						Stop Fre 2.501000000 GH		
Start 2.499 #Res BW	51 kHz	1	W 150 kHz	Sweep 1	Stop 2.501000 GHz Sweep 1.000 ms (1001 pts)			
1 N 2 3 4 5 6		2,500 000 GHz	-18.71 dBm	UNETRA TUNETON MOT	A GINAN KAN VALNE -	Freq Offse 0 H		
5 6 7 8 9 10 11								
uso i				STATE	6			

Band7 10MHz QPSK 1 49 HighCH21400-2565

Frequency	JIANIAJ PM/Hov 27, 2018 TRACE 1 2 3 4 5 6		Avg Type		_	44 RC 1	Annyal	man (Bas	R
	LET A NNNN N	00/100	Avg[Hold:	g: Free Run tten: 30 dB	O: Wide	P			
Auto Tun	570 000 GHz 13.584 dBm					14.1 dB	Ref Offse Ref 30.	BJdiv	
Center Fre 2.57000000 GH		_				-	1		.0g 30.0 19.9
Start Fre	comiga		han		my	-	and a	~~~	0.00
Stop Fre	manna	min	-	-				-	30 D 40 O
2.571000000 GH									60.0 60.0
CF Ste 200.000 kH	2.571000 GHz 0 ms (1001 pts)			kHz*	#VBW		9000 GH 100 kHz		
Auto Ma	FUNCTION VALUE	TON WATER	ICTION DI FIN	584 dBm	CH.	2,570 80		N N	8421
Freq Offse				399 dBm 436 dBm	BGHz	2,670,00 2,670,04	1	NN	2745
			_	_					6 7 8 9
			_	_			11_		10
		STATUS						_	\$G)

Band7_5MHz_QPSK_25_0_HighCH21425-2567.5



Band7 10MHz QPSK 1 0 LowCH20800-2505

	50 - 80	001.361136	ALIBRARITE	113146:20 PM Nov 27, 2018	Frequency
	PhiO: Wide	Trig: Free Run	Avg Type: RMS Avg[Hold: 100/100	TRACE 123456	
	iFGain:Low	#Atten: 30 dB		Test and the second sec	
0 dB/div Ref 30.	et 14.1 dB 00 dBm		Mkr1	2.500 000 GHz -14.695 dBm	
20.0				1	Center Free
19.9					2.50000000 GH
0.00				2	
10.0		martin	- manual -		Start Free
20.0	maria	- Jointe -			2.499000000 GH
100 mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm	mound				
50.0				1.1.1.1	Stop Free
60.0		-			2.501000000 GH
				Stop 2.501000 GHz	
tart 2.499000 GH Res BW 100 kHz		W 300 kHz*		1.000 ms (1001 pts)	CF Step 200.000 kH
MALINE MALE SHA	×	Y III	NUTRY FUNCTION WOTH	DARKINGRAME -	Auto Ma
	2,500 000 GHz 2,499 974 GHz	-14.695 dBm -13.944 dBm			1
2 N 1 3 4		The second second			FreqOffse
					UR
* + + +					
6					
8 9				11	
5 6 7 8 9 9					

Band7 10MHz QPSK 50 0 LowCH20800-2505

a a grant the	Course An Ingent (1000134				10 4 63
Center F	req 2.500	0000000 GHz PNO: Wide	Trig: Free Run	Aug Type: Log-Pwr	03:50:05 PMNov 27, 2038 TRACE 1 2 3 4 5 6 TREE A WWWWWW DET A NNNNN	Frequency
10 dB/div	Auto Tune					
20.0 10.0	_					Center Fred 2.50000000 GHz
-10:0	_		¢1		-0000	Start Fred 2.499000000 GHz
-30.0 -40.0 -60.0						Stop Free 2.501000000 GH
Start 2.49	99000 GHz 100 kHz		SW 300 kHz	Sweep 1	Stop 2.501000 GHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 3 4		2,500 000 GHz	-18.57 dBm			Freq Offse 0 H
5 6 7 8 9 10 11						1
Nego				STATU		

Band7 10MHz QPSK 50 0 HighCH21400-2565

10.4		-			_	134	nemi)	- An	and the	- Q.J
Frequency	03150(23 PMNov 27, 2018) TRACE 1: 2:3:4:5:6 Trate A WWWWW	Type: Log-Pwr		Trig: Free Run	Hz NO: Wide -•	00000 GH	57000	req 2	ter F	en
Auto Tur		-		#Atten: 30 dB	Galis:Low	ir.			_	_
Sato (a	.570 000 GHz -23.56 dBm	Mkr1					Offset 14 30.00		3/div	IO di
Center Fre		_	-			-	_		1	39,0
2.570000000 GH		_	-		-		-	-		taa
		-				1	~~~~~~	-	1	0.00
Start Fre	1000466		-	1	Florida				1.	10.0
2.56900000 GH	Second more and		and the	A Second						30.0
		_			-	-		-	1	40.0
Stop Fre 2,571000000 GH		-		_	-	-		-	-	60,0
		-	-			-	-	-	-	60.D
CF Ste 200.000 kH	op 2.571000 GHz 00 ms (1001 pts)		-	300 kHz	#VBW			9000 100 k		
Auto Mi	PLONETICN VALUE	FUNCTION MOTH	PONET	-23.56 dBm	0 GHz	2,570.00			N STREET	-
Freq Offs 0)										2345
							_		+	6789
										10
	+	STATUS					-	-	-	60
							_	-	-	-

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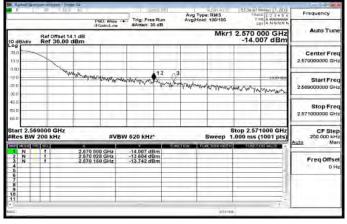
Band7 15MHz QPSK 1 0 LowCH20825-2507.5

16 4 43									Annyatti	turn they	a a
Frequency	TANNN N	TRA		Avg Typ Avg/Hold	Run	Trig: Pres	PNO: Wide -	A = 1<	40.15		R F
					#Atten: 30 dB		FGaintLow			_	
Auto Tune	000 GHz 196 dBm		Mkr1						Ref Offset Ref 30.0	Bidiv	10 d
Center Free	1				_	_		-	_	1.1	20.0
2.50000000 GH;		1	-		-	-	-	-	-	-	19.6
1	some	INTE	more	Ambrach	1	A4732					10.00
Start Free 2,49900000 GH			×1	Alm An ach	of the M	Anthone	manus	Anon the	1. 1.00		20.0
1.000	-			-				- Prover	And Ronds .	-deno	30.0
Stop Free					-		-	-	-	1	40.0
2.501000000 GH							1.1				80.0 60.0
CF Ster	1000 GHz	Stop 2.50	5					-	0000 GHz	1 2.49	Sta
200.000 kH Auto Mar	(1001 pts)	1.000 ms	Sweep 1		-	N 620 kHz	#VB		200 kHz	s BW	#Re
CHTA HIM	ION WALLYE	FUNCT	A TION WIDTH	CTION TO		-14.696 dE	000 GHz	2,500.0		N	1947
Freq Offse		-		-	Sm	-13 488 dE	40 GHz	2,499 9	1	N	2
DH				-	im	-13.685 dB	874 GHz	2.499 8	1	N	4 5
					-						5 6 7
		-		-	-						89
					-						10
		a.	STATUS								15/3
											-

Band7_15MHz_QPSK_75_0_HighCH21375-2562.5

all all and the	Oran Alternation (- 12	_							10 4 63
Center F	req 2.570	000000 G	Hz NO: Wide	The second	Rup		ALIGH MITC Avg Type: Log-Pwr		1 2 3 4 5 6 A WWWWWW	Frequency
		ű	Gain:Low	#Atten: 30	dB	-				Auto Tune
10 dB/div	00 GHz 04 dBm	Auto Turie								
30.0		-	-		_	-				Center Freq
10.00									-	2.570000000 GHz
-10.0		1			1=	-		_		Start Free
30.0			100 C	a second and a second and						2.569000000 GHz
40.0		-			_					Stop Free
-60,0 -60,0										2.571000000 GHz
Start 2.50 #Res BW	9000 GHz 200 kHz		#VBV	N 620 KHz	_			top 2.571 .000 ms (*		CF Step 200.000 kH
		2,570.00	O CHA	-22.04 dB		Incrime Ten	A TION WIDTH	PLANETIC	N VALUE	Auto Mar
2 3 4		2,0/9,0		522.04 000	-					Freq Offset 0 Hz
5 6 7 8 9					-				-	
10							_			
11	1.1		_	-				-		
1455							57A TH	-	_	

Band7_15MHz_QPSK_1_74_HighCH21375-2562.5



Band7 15MHz QPSK 75 0 LowCH20825-2507.5

Cigners (gen	Or and the second secon	1 Trans Sa				ALINA WATE		Nov 27, 2015	10.4 63
enter F	reg 2.50	0000000 G	Hz PNO: Wide -	Sec. Sec.		Type: Log-Pwr	TRACE	1 2 3 4 5 6 A WWWWW	Frequency
10 dB/div	Ref Offs Ref 30	et 14.1 dB .00 dBm	FGalin:Low	EAtten: 30 tib		Mkr1	2.500 00	00 GHz 5 dBm	Auto Tune
og 28.0 19.0	_				_	_			Center Free 2.50000000 GH
0.00 10'0 20 0	_	-	-	•1		-			Start Free 2.499000000 GH:
40.0 40.0 50.0									Stop Free 2.501000000 GH:
Start 2.49		iz	#VB	N 620 kHz			Stop 2.501		CF Step 200.000 kH Auto Mar
1 N 2 3 4 5	T	2,500.0	00 GHz	-19.05 dBm	PENETION		PLSTATIO	N WALLVE	Freq Offse
5 6 7 8 9 10 11									
eşa)						STATU		-	

Band7 20MHz QPSK 1 0 LowCH20850-2510

10 4 23								134	in market in the second		a ment of	- Q.
Frequency	PMNov 27, 2038	TRA	4100/100		g: Free Run		NO: Fast	12	50 -			R
Auto Tune	000 GHz	2.500 0	Mkr1		tten: 30 dB		Gain:Low	if: 1 dB	Offset 14		BJdiv	10 d
Center Free 2.50000000 GHa												og 30.0 19.9
Start Free 2.499000000 GHz	entração	and a star	Antonio (Maja)	and a second	en was a strang	pridage	popul feat	physiciphi	agendations	Mater	-	0.00
Stop Fred 2.501000000 GH1				_						offent .		40 0 60 0 60 0
CF Step 200.000 kH; Auto Mar	1000 GHz (1001 pts)	.000 ms	Sweep 1		MHz*	BW 1	#VE	-	kHz	19900 N 300	s BV	Re
Freq Offset 0 He		P.Mat			384 dBm 300 dBm 163 dBm	-	0 GHz	2,500 00 2,499 99 2,499 96			NNN	1274
1					~							5 6 7 8 9 10
			STATE		_					_	_	45/5

Band7 20MHz QPSK 1 99 HighCH21350-2560

10 4 1		ALINIANIC				_	N SA	Annymiti	an ihanne	-0.9	
Frequency	TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6 THE A WAYNER	Avg Type: RMS Avg[Hold: 100/100			Trig: Preel	WO: Fast -P		50 -	_	R	
	DET A.NINNIN				#Atten: 30	Sales:Low	IFC			-	
Auto Tun	Ref Offset 14.1 dB Mkr1 2.570 000 GHz -17.942 dBm -17.942 dBm										
Center Fre			-	_					-	30.0	
2.57000000 GH		1 - 1	-					~	1	19.9	
-	non manager	1		2		Are offered	mon			0.00	
Start Fre 2 56900000 GH		Parta seres	man	home	A. ADARA	1 an ash			-	20.0	
	Martin Marin Martin	WITH W		-			-			30.0	
Stop Fre										40.0	
2.571000000 GH						1.1		1		60.0	
CF Stel 200.000 kH	top 2.571000 GHz			_	1.0 MHz*	#\/B\	-		2.56900 BW 30		
Auto Ma		20000000 III		1.00	1.0 11112		×			-	
Freq Offse			-	0	-17.942 dB		2,570 00		N I		
Prequise			-	-				-		4	
	1	-	-	-				-	++	5	
			-	-		_		-	++	8	
			-	-		-		-		5 6 7 8 9 10	
			-					1	1.1.		
		STATUS							_	50	

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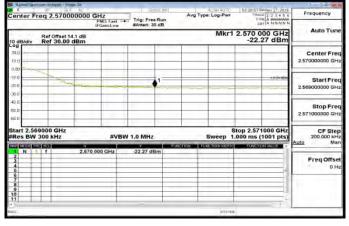
Band7 20MHz QPSK 100 0 LowCH20850-2510

10 4 6					-		134	Page 1 Trees	() — à)	1 mar 1 1	- a j
Frequency	28.36 PMMov 27, 2018 TRACE 1 2 3 4 9 6 TITLE A WWWWWW	Log-Pwr	Avg Ty	SERIESE IVI	1	Hz	00000 G	2.5000	req	nter	Cer
Auto Tun			-		#Atten:	FGain:Low				-	
- Harto (un	00 000 GHz -18.94 dBm	Mkr1 2						Offset 14 30.00		Bidiv	10 d
Center Fre 2.50000000 GH						-	-		_		38.0
Start Fre				-1-							0.00
2.499000000 GH				-		-			-		-20.0
Stop Fre 2,501000000 GH	-	_	-	-	-	-	-		-	-	40.0
CF Ste 200.000 kH Auto Ma	2.501000 GHz ms (1001 pts)	Sto weep 1.0		z	W 1.0 MHz	#VB			99000	rt 2.4	
Auto Ma	MUNCTION VALUE	TION WIDTH	1011010	dBm	-18.94 d	000 GHz	2,500 (N	
Freq Offse 0 H											23456
				-							5 6 7 8 9
	<u> </u>	STATUS							1	-	10 11
										-	

Band12_1_4MHz_QPSK_1_5_HighCH23173-715.3

			10 4 23
State of the second	Avg Type: Log-Pwr	TRACE 1 2 2 4 5 6	Frequency
Instrume Trig: Free Run #Kter. 30 dB Image: Run weight with weight with weight with weight with weight with weight with weight			
	Mk		Auto Tun
5			Center Free 716.000000 MH
2			718.00000 MP
•1			Start Free
			715.000000 MH
	200		Stop Free
			717.000000 MH
V 62 kHz	Sweep 2	Stop 717.000 MHz .067 ms (1001 pts)	CF Ster 200.000 kH Auto Ma
	NETION FUNCTION WIDTH	FINICI ION VALUE -	nuto ma
			Freq Offse
-	statu	÷.	
	This Pres Bun skiten: 30 db	Trig: Free Run Avig Type: Log-Per Trig: Free Run Mit Mit: 50.05 Mit: 50.05	Arg Type: Log-Per The Trace Run Arg Type: Log-Per The Trace Run Arg Type: Log-Per The Trace Run Mkr1 716.000 MHz -18.61 dBm -18.61 dBm -18.61 dBm 1 -18.61 dB

Band7_20MHz_QPSK_100_0_HighCH21350-2560



Band12_1_4MHz_QPSK_1_0_LowCH23017-699.7

Against Shorten analysis ()	No. of Concession, Name	L SERVE IVI	ALIWOWINE	09:37:55 AM Nov 26, 2018	10.4
Center Freq 699.00	PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
o dB/div Ref 30.00	iFGain:Low 3.6 dB dBm	#Atten: 30 dB	Mkr	1 699.000 MHz -22.83 dBm	Auto Tun
30,0					Center Free 599.000000 MH
0.00 10.0 20.0		1º	2		Start Free 698.000000 MH
					Stop Free 700.000000 MH
start 698.000 MHz Res BW 20 kHz	#VBV	62 kHz	Sweep 2.	Stop 700.000 MHz 067 ms (1001 pts)	CF Step 200.000 kH Auto Mar
CONTRACTOR FILM	599,000 MHz	-22.83 dBm	PUNCTON WIDTH	ante faithfaith -	Freq Offse 0 H
9 10 11			STATUE		

Band12 1 4MHz QPSK 6 0 LowCH23017-699.7

again fann	Annyat I To	- 1 ja				10.4.63
Center Fre	eq 699.00	0000 MHz	Trig: Free Run	Aug Type: Log-Pwr	199.38 38 AM floov 26, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW LET A NNNN N	Frequency
10 dB/div	1 699.000 MHz -23.75 dBm	Auto Tune				
20.0 10.0	_					Center Free 699.000000 MH
-10.00 -10.00 -20.0					1010169	Start Free 698.000000 MH
40.0						Stop Free 700.000000 MH
Start 698.0 #Res BW 2	0 kHz	#VB	W 62 kHz		Stop 700.000 MHz .067 ms (1001 pts)	CF Step 200.000 kH Auto Mar
N 1 2 3 4 5 6 7 8 9 9 10 11	1	699.000 MHz	-23.75 dBm			Freq Offse 0 H
8 9 10 11				STATUS		

Band12 1 4MHz QPSK 6 0 HighCH23173-715.3

R SU		ALIWI WITC	109.38.35 AM Nov 26, 2018	Frequency
Center Freq 716.000000 MHz	de Trig: Free Run	Avg Type: Log-Pwr	THE A WWWWWW	, and a strong
Ref Offset 13.5 dB		Mkr	1 716.000 MHz -22.93 dBm	Auto Tuni
20,0 10.0				Center Free 716.000000 MH
0.00 -100 -200	1.		comiga	Start Free 715.000000 MH
40.0 40.0 40.0				Stop Free 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 Auto Ma
1 N 1 1 7 716,000 MH				Freq Offse 0 H
5 6 7 8 9 9 10				
	· _ ·	STATUS	+	

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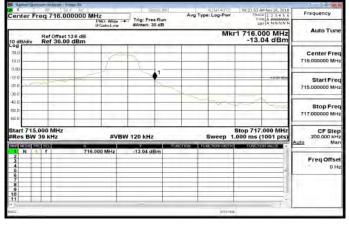
Band12_3MHz_QPSK_1_0_LowCH23025-700.5

10 4					-		_	4 54	Press 1 Trees	()	and the	a
Frequency	M Nov 26, 2018	TRAD	Log-Pwr	Avg Ty	SE 1071	12.0	z	0000 MH	99.000	req 6	ter F	Cer
Auto Tur	ANNNNN	18			dB	#Atten: 30	NO: Wide	P IF				-
Auto Tur	00 MHz 63 dBm	r1 699.0 -16.0	Mkr			_	_	6 dB	Offset 13 30.00	Ref	B/div	10 d
Center Fre										-	1	30,0
699.000000 MH	-				T							10.00
StartFre		-			1							-10.0
698.000000 MH		~~			-	-	-			-	-	20.0
1.5	-					-	1			1	1	40.0
Stop Fre 700.000000 MH	_	-	_	-		-			~	-	10	50,0
				-	-		-					-66.0
CF Ste 200.000 kH	000 MHz 1001 pts)	Stop 700.	Sweep 1.			120 kHz	#VBW			.000 l		
Auto Ma	IN WALLE	ELEVELTE	C TION MIDTH	enen -		-16,63 dE	O MILLS	8			N	1442
Freq Offs 0 F						-10,00 00	C. MICHA	000.05				2745
				-							-	56789
												9 10 11
	- F.	-			1					1	-	•
		1	STATUS								-	50

Band12 3MHz QPSK 15 0 HighCH23165-714.5

Frequency	19:23:19 AM Nov 26, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW LET A NNNN N	Aug Type: Log-Pwr	Trig: Free Run #Atten: 30 dB		PNO: Wide FGain:Low	q 716.00	Fred	enter
Auto Tun	1 716.000 MHz -22.11 dBm	Mkr			l6 dB JBm	Ref Offset 13 Ref 30.00		dB/d
Center Fre 716.000000 MH								99 30.0 10.0
Start Fre 715.000000 MH	1000-000		-					0.00
Stop Fre 717.000000 MH								0.0
CF Ste 200.000 kF Auto Ma	Stop 717.000 MHz 000 ms (1001 pts)			#VBW	#VI		15.00 3W 39	Res E
Freq Offse			2.11 dBm	12	716.000 MHz	1		N 234
	+							7 8 9 0
		STATUE						10

Band12_3MHz_QPSK_1_14_HighCH23165-714.5



Band12 3MHz QPSK 15 0 LowCH23025-700.5

B 8-	A TOTAL OF STREET, ST.	Sold Tick	SERIES (M)	ALIM AUTO	09/22/13 AM Nov 26, 2018	1,0 ,4 (23				
Center F	reg 699	000000 MHz PNO: Wide IFGain:Low	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 THE A WWWW	Frequency				
Ref Office 13.5 dB Mkr1 699.000 MHz 10 deluiv Ref 30.00 dBm -22.54 dBm -22.54 dBm										
39.0 19.0	-					Center Free 599.000000 MH;				
0.00 -10.0 -20.0						Start Free 698.000000 MH				
40 0 60,0 60 0						Stop Free 700.000000 MH				
Start 698 #Res BW	39 kHz		W 120 kHz	Sweep 1	Stop 700.000 MHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar				
1 N 2 3 4		699,000 MHz	-22.54 dBm	ALCTION FUNCTION WIDTH	PANELI DI MALIE	Freq Offse				
5 6 7 8 9 10										
सहद			-	STATU		I				

Band12 5MHz QPSK 1 0 LowCH23035-701.5

against The	Communication (Since	ge 34				10 4 63
Center F	req 699.00	PNO: Wide	Trig: Free Run #Atten: 30 dB	AUM/AUTC Avg Type: Log-Pwr	100114345 AM Nov 26, 2018 TRACE 1 2 3 4 5 6 TRACE A WWWWWW 2007 A N N N N N	Frequency
10 dB/div	r1 699.000 MHz -19.22 dBm	Auto Tune				
20,0 10.0	_					Center Free 699.000000 MH
0.00 -10.0 -20.0						Start Free 698.000000 MH
40 0 60,0 60 0		m				Stop Free 700.000000 MH
Start 698 #Res BW		#VE	SW 150 kHz	Sweep 1	Stop 700.000 MHz 1.000 ms (1001 pts)	CF Ster 200.000 kH Auto Mar
1 N 2 3 4 5 6 7 8 9 10		699.000 MHz	-19.22 dBm			Freq Offse 0 H
8 9 10 11 ,				STATU		

Band12 5MHz QPSK 1 24 HighCH23155-713.5

B 8.	reg 716.00	00000 MH	NO: Wide	1.5.0.0.0	Run	Avg Typ	ALIGN AUTO	TRAC	A NNNNN	Frequency
Ref Offset 13.6 dB Mkr1 716.000 MHz 10 dB/div Ref 30.00 dBm -20.09 dBm										
20,0 10.0			-		_					Center Free 716.000000 MH
0.00	-	and the second		2	1					Start Free 715.000000 MH
30.0 40.0 50.0						~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Stop Free 717.000000 MH
1000			#VBW	150 kHz			Sweep 1	.000 ms (.000 MHz 1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 2 3 4	1	716.00	0 MHz	-20.09 dB						Freq Offse 0 H
5 6 7 8 9 10 11										
- 11							STATUS		- ×.	

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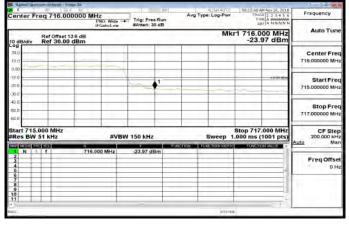
Band12_5MHz_QPSK_25_0_LowCH23035-701.5

10.4	-		-					1 34 4	eryant i Tem	()	inter all	- āj
Frequency	AM Nov 26, 2018	00:15:25 A	ALIMINATE Type: Log-Pwr		Free Run		Hz	0000 MH	99.00	reqt	ter l	Cen
	ANNNN		2.12		en: 30 dB	PNO: Wide +++ To iFGain:Low					-	
Auto Tur	000 MHz .02 dBm	r1 699.0 -25.	Mk	~				dBm	Offset 1: 30.00	Ref	BJdiv	10 di
Center Fre	-	-	-	-	-	+	-	-		-		30,0
699.000000 MH					-		-					10.00
StartFre				1				_	_			10.0
698.000000 MP	-		-		+1-		-			_	-	20.0
17-5					_		-					30.0 40.0
Stop Fre 700.000000 MH			-	-	-	+	-			-	-	50,0
		1000			-							66.0
CF Ste 200.000 kH	0.000 MHz (1001 pts)				kHz	W 1	#VB			.000 l		
Auto Ma	TION WALLE	P.MYAT	FUNCTION WOTH	PONETICN	02 dBm		BOO MHz	8			N	19
Freq Offs					AK OPH		ADD MILLS	0997			N	234
					-	_	-					5 6 7 8 9 10
					_	_			-	-	-	9
			_							1		11
		6	STATUS								_	50

Band12 10MHz QPSK 1 49 HighCH23130-711

10.4	09105.01 AM Nov 26, 2018	AURIAUE		-ERSE II		ARRIVER	(Berrins	1.000	- 0,
Frequency	TRADE 1 2 2 4 5 6	d: 100/100	Avg	Trig: Free Run		1 20 1	-	n-	
1.	LET A NNNNN	a. 100/100	AVU	#Atten: 30 dB	PhiO: Wide				
Auto Tur	1 716.000 MHz -13.553 dBm	Mkr				of Offset 13 ef 30.00 d		B)dit	
Center Fre			_				-		.og
716.000000 MH		-			V	1	_	9	t9.9
			-	12	m	r -	AC.	1	0.00
Start Fre	10000	-	min	mon the			-	-	200
715.00000 MP	mandrether	man	- man	-					30.0
Stop Fre	minguna	C. Markey	_				_	-	40.0
717.000000 MH	10,000	-	-						50.0
								0	66.0
CF Ste 200.000 kH	Stop 717.000 MHz .000 ms (1001 pts)			300 kHz*	#VBV) MHz) KHz			
Auto Ma	PUNCTION VALUE	INCTION HADTH	PUNCTION:	¥ I	*		I TRACE		99
Freq Offs				13.553 dBm 13.704 dBm	716.000 MHz 716.026 MHz			N	2
D)		-				-			4 5
	1					-	1		67
						-			89
						-		-	10
		1							
	1	STATUS					_	-	\$0)

Band12_5MHz_QPSK_25_0_HighCH23155-713.5



Band12 10MHz QPSK 1 0 LowCH23060-704

Against Sheet and the barry and the	a P		ALINA MUC	09103145 AM NOV 26, 2018	10.4.03
н зде	PNO: Wide +	And an and a second	Avg Type: RMS Avg[Hold: 100/100	TRACE 1 2 3 4 5 6	Frequency
Ref Offset 13.6	Auto Tune				
O dBJdiv Ref 30.00 d	Bm	1	1	-13.613 dBm	
30.0 19.9					Center Free 699.000000 MH
0.00 100 200	ANN.	we when	m	www.	Start Free 698.000000 MH
no oo oo oo oo	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				Stop Free 700.000000 MH
tart 698.000 MHz Res BW 100 kHz	#VB	W 300 KH2*	Sweep 1	Stop 700.000 MHz .000 ms (1001 pts)	CF Ster 200.000 kH Auto Ma
	699,000 MHz 698,900 MHz	-13,613 dBm -14,434 dBm	NETOW, FUNCTION MULT	FUNCTION VALUE	Freq Offse
5 6 7 8 9 9					
9 10 11					1
\$G			57A TH		

Band12 10MHz QPSK 50 0 LowCH23060-704

Agrees These	Annyan Annyan	Trenue Sa						and the second second		0 4 E3
enter Fr	req 699.	000000 MHz); Wide	1.5.0.000	Run	Avg Typ	e: Log-Pwr	09185152 AM	1 2 3 4 5 6 A WWWWW A NNNN	Frequency
0 dB/div	Auto Tune									
og 10.0	-				_				~	Center Free 699.000000 MH
1.00 10 [°] 0 20 [°] 0		_	~~~~		1	- in	1			Start Free 698.000000 MHz
0.0 0,0 0,0										Stop Free 700.000000 MH
tart 698. Res BW			#VBW	300 kHz				Stop 700.0 .000 ms (1	001 pts)	CF Step 200.000 kH Auto Mar
N 1 2 2 4 5 6 6 7 8 9 0 1 1	1	699.000	MHZ	-22.56 dBr						Freq Offse 0H
101							STATUS		+	

Band12 10MHz QPSK 50 0 HighCH23130-711

Avg Type: Log-Pwr TRACE 1										
Ref Official 13.6 dB										
			Center Free 716.000000 MH							
1		-010-10a	Start Fre 715.000000 MH							
			Stop Free 717.000000 MH							
W 300 KHz	Sweep 1.0	00 ms (1001 pts)	CF Stej 200.000 kH Auto Ma							
-21.74 dBm			Freq Offse 0 H							
		+								
	Trig: Free Run setter: 30 dB	Avg Type: Log-Per Avg Type: Log-Per Mkr1 Mkr1 Mkr1 Mkr1 Mkr1 Mkr1 Mkr1 Mkr2	Trig: Free Run British: 30 db Avg Type: Log-Per Trig: Tri							

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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 SGS Taiwan Ltd.

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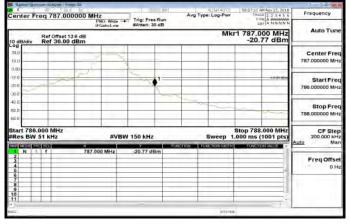
Band13_5MHz_QPSK_1_0_LowCH23205-779.5

network Annopat (homes Sa		10.4									
Freq 777.000000 MHz PNO: Wide Trig: Free Run Autor Mitz Trig: Free Run	ype: Log-Pwr trace 123456										
FRG: Wates → Fig: Free Kun IfGain.Low Free Kun #Atten: 30 dB Mkr1 777.000 MHz 10 dB/dW Ref 00%set 13.6 dB -21.10 dBm 00 dB/dW -21.10 dBm											
		Center Fre 777.000000 MH									
		Start Fre 776.000000 MH									
		Stop Fre 778.000000 MH									
6.000 MHz \$ 6.000 MHz \$ 51 kHz #VBW 150 kHz \$Sweep 1.1 100 million \$ 100	Stop 778.000 MHz 000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma									
1 777.000 MHz -21.10 dBm		Freq Offse									
STATUS		1									

Band13_5MHz_QPSK_25_0_HighCH23255-784.5

10.4	AM Nov 23, 2018		ALDHINITO	-	ense mil		_	- 34	Annyati	-Barrier	- Angelerer	
Frequency	122456	TRA	pe: Log-Pwr	Av		12000	łz	0000 MH	787.00	Fre	enter	
	ET A NNNNN	1			30 dB	#Atten:	PNO: Wide = FGain:Low					
Auto Tur	000 MHz 56 dBm	Ref Offset 13.6 dB Mkr1 787.000 MHz 10 daulay Ref 30.00 dBm -28.56 dBm -28.56 dBm										
Center Fre		_	_		-	_		-	_	C	0.0	
787.000000 Mi	-	-	-	_	-	-	-	-			0.0	
			-		-	-					.00	
StartFre			-	-	-	1	-	-		_	0.0	
786.000000 MI					¢1-	1	-	-		-	0.0	
				-		-					0.0	
Stop Fre							1				0.0	
788.000000 Mi				_	-						6.0	
CF Ste 200.000 ki	.000 MHz (1001 pts)				z	W 150 KH	#VB		0 MHz kHz		tart 7 Res B	
Auto M	CIN VALUE	PUNCT	UNCTION MOTIO	UNICITION		¥		×			NO.	
Freq Offs					dBm	-28,56 c	00 MHz	787.0	1	1	2 3	
Prequis					-				-		4	
~	- 1			_	-				-		5 6 7	
				_							8	
					-						9	
	+			_	-	_			1		1	
		8	STATU								61	

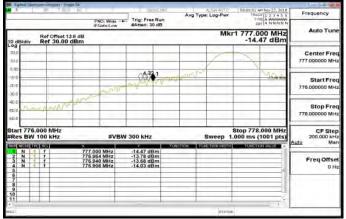
Band13_5MHz_QPSK_1_24_HighCH23255-784.5



Band13 5MHz QPSK 25 0 LowCH23205-779.5

10.4	9157:45 AM Nov 23, 2018		ALIBRINATE		- SERVER IN			154	server to the	- A)1	THREE IS	(mart	
Frequency	TRACE 1 2 3 4 5 6	Avg Type: Log-Pwr Tracs 1234			Trig: Free Run	Center Freq 777.000000 MHz							
Auto Tun	iP Gain: Low exten: 30 db												
	Ref Offset 13.5 dB Mkr1 777.000 MHz 10 dB/div Ref 30.00 dBm -27.32 dBm												
Center Free 777.000000 MH		-		-		-	-	-		-		α	20,0
77730000 1014		~				_	-			_			10.08
Start Free 776.000000 MH				1	1	-		-	-			_	-101
	-	-					-	-		-	-		-30.1
Stop Free 778.000000 MH										-		0	50,0
				-								1	60.6
CF Ster 200.000 kH Auto Mar	p 778.000 MHz 0 ms (1001 pts)		Sweep	_	150 kHz	#VBW	,			000 l 51 ki			
Auto Mar	PARIETION VALUE	DIN	FUNCTION WIDT	PUNCTION	-27.32 dBm	MHz	7.000 MH	× 77				N	
Freq Offse 0 H													2345
													5 6 7 8 9 10 11
1.1											L		10
1		A THE	STAT										450

Band13_10MHz_QPSK_1_0_LowCH23230-782



Band13 10MHz QPSK 1 49 HighCH23230-782

agner iper	An any other states in the				-					10 4 63
BI.	- 50		: Wide	1	Run	Avg Typ	allian Noto	09:21:47 4M Nov 23, 2018 TRACE 1 2 3 4 5 6 Trime A WWWW		Frequency
	Auto Tune									
10 dB/div	Ref Offset 1 Ref 30.00		24				Mkr		00 MHz 01 dBm	in the second second
20.0		-	_			-				Center Free
10.00	T	N N			-		-			787.000000 MH;
-10.0	nt V	-	They	henry	13/3	-	-	_		Start Free
-20.0			-		a allow	- Winner	1			786.000000 MH:
40.0	_	-	_		_	-	bar are	- Winty		Stop Free
60.0								a the second	"In-IL arrive	788.000000 MH
1.00	000 MHz		-					Stop 788	.000 MHz	CF Ster
#Res BW	100 KHz		#VBW	300 kHz	_		Sweep 1.	.000 ms (1001 pts)	200.000 kH Auto Mar
N N	T III	787.000		-16.01 dB	m	ICTION NO	NOTION HADTH	PUNCTR	IN VALUE -	
2 N 3 N 4	1	787.020 787.062	MHZ	-13.76 dBi -14.06 dBi	m m		-		_	Freq Offse
5 6 7 8 9 10			-		-			-	-1	1
8 9					-			-	_	
10						_	_			
, 190							STATUS	1		

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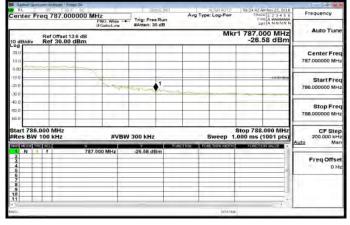
Band13 10MHz QPSK 50 0 LowCH23230-782

- Agener (gennen Annyn) i finnen Sa				10.4.63
Center Freq 777.000000 MHz	Trig: Pree Run	Avg Type: Log-Pwr	109:24:28 AM Nov 23, 2018 TRACE 1 2 3 4 5 6	Frequency
PNC: Web iFGainLow Ref Offset 13.6 dB 10 dB/div Ref 30.00 dBm	#Atten: 30 dB	Mkr	1 777.000 MHz -26.73 dBm	Auto Tuni
20.0 100			-20,75 0011	Center Fre 777.000000 MH
0.00 -10.0	-		4000 iĝe	Start Fre 776.000000 MH
40.0 60.0 60.0				Stop Fre 778.000000 MH
Start 776.000 MHz Res BW 100 kHz #VBW	300 kHz	Sweep 1.	Stop 778.000 MHz 000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 f 777.000 MHz	-26,73 dBm			Freq Offse 0 H
4 5 7 8 9 10 11				
* MG		STATUS	*	

Band14_5MHz_QPSK_1_24_HighCH23355

agmen iper	One An Experie	Transa Sta				Aug. 1991.			10.4.43
Center F	req 798.0	00000 MHz	Nide	Trig: Free Run	Avg Typ	e: Log-Pwr	B1122-36 PA	1 2 3 4 5 6 A WWWWWW	Frequency
10 dB/div	Ref Offsel	iFGain	Low	Atten: 30 dB		Mk	1 798.0		Auto Tun
20,0 10.0	_	-5	~					_	Center Fre 798.000000 MH
0.00 -10.0 -20.0	~~~~							comiga	Start Fre 797.000000 MH
40.0 60.0					N No.		-	Š	Stop Fre 799.000000 MH
Start 797. #Res BW			#VBW 1		UNCTION 1 FO	Sweep 1	Stop 799. .000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
1 N 2 3 4 5 6	1	798,000 M	Hz	19.84 dBm					Freq Offse 0 H
7 8 9 10 11									
usia)						STATUS			1

Band13_10MHz_QPSK_50_0_HighCH23230-782



Band14 5MHz QPSK 1 0 LowCH23305

10 4 23	61110 30 PMNov 23, 2018	ALIMANTO	_	sense III		12	Annyati	man Allente	
Frequency	TRACE 1 2 3 4 5 6 TITLE A WWWWW	Type: Log-Pwr	Avg	Trig: Free Run	Wide -	P	788.000	ter Fre	Cen
Auto Tune	1 788.000 MHz -18.82 dBm	Mkr		#Atten: 30 dB	Galin:Low	iFi 5 dB	tef Offset 13) Ref 30.00 d	B/div	10 d
Center Fred 788.000000 MHz			1			_			30.0 10.0
Start Fred 787.000000 MHz		~~~	2	y-					0.00 -10.0 -20.0
Stop Free 789.000000 MHz					~			1	40.0
CF Step 200.000 kH Auto Mar	Stop 789.000 MHz 000 ms (1001 pts)	Sweep 1.	PERCENCION	150 kHz	#VBW	×	kHz	t 787.0 s BW 5	#Re
Freq Offse 0 Ha				-18,82 dBm	0 MHz	788,00	1	N	1 234
									5 6 7 8 9 10
-		STATUS							, (155

Band14_5MHz_QPSK_25_0_LowCH23305

· Gigment (gen	An any other in the		10			10.4				
Center Fi	req 788.00	PNO: Wide -	Trig: Free Run	Avg Type: Log-Pwr	01114/30/PM/40/25,2038 TRACE 1 2 3 4 5 6 TITEL A WWWWWW DET A NN N N	Frequency				
10 dB/div	Ref Offset 1 Ref 30.00	IFGain:Low	#Atten: 30 dB	Ten: 30 dB EET(A NH/M) Mkr1 788.000 MHz -22.38 dBm						
20.0 10.0	_					Center Free 788.000000 MH				
-10.00	-		¢1	P	4000 (Ce	Start Free 787.000000 MH				
40 0 60,0 60,0						Stop Free 789.000000 MH				
Start 787. #Res BW	51 kHz	#VBA	W 150 kHz		Stop 789.000 MHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar				
1 N 1 2 3 4 5 6 7 7 8 9 9 10 11		788.000 MHz	-22.38 dBm			Freq Offse 0 H				
10 10 11				STATU						

Band14 5MHz QPSK 25 0 HighCH23355

0.4.4						_	19	any and it is not set of the	н() —	Apres 18	
Frequency	TRACE 1 2 3 4 5 6 TIME A WWWWW DET A NNNNN	og-Pwr	Avg Typ	e Run	1	Z NO: Wide -+	0000 MH	/98.000	Freq	nter	Cer
		-	_	Bb 0	#Atten: 3	Gain:Low	4				_
Auto Tune	98.000 MHz -21.02 dBm	Mkr1 7	~		_			Offset 13		Bldiv	10 c
Center Fre				-			-	_	_		30,0
798.000000 MH	-		-			1000	have				10.00
Start Fre				1		1					-10.0
797.000000 MH				-		-	-	-			20.0
1-5-24				-	_	1					40.0
Stop Fre 799.000000 MH			-		_	-		_	-		60/0
	1			-	-	1	-			1	-66.0
CF Ste 200.000 kH	799.000 MHz ms (1001 pts)				150 KHz	#VBW			7.000 V 51 k		
Auto Ma	WALTERNALDE -	ON WADTH	CTION I HO		Y		×			MATRIC	1998
Freq Offse				pm	-21,02 d	0 MHz	(98.05	-		-	23
ОH				-		-					4 5 6
										_	56789
		_	_	_							9 10 11
		1							1		1
		STATUS							_	-	5/3

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Report No.: E2/2018/B0047 Page 230 of 583

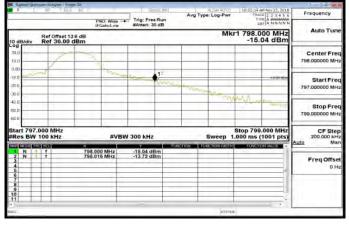
Band14_10MHz_QPSK_1_0_LowCH23330

against (procession analysis) (house Sa				and the second	10.4.6
A SALE R		million and a second	ALINA MITC	10:51:41 AM Nov 23, 2018 TRACE 1 2 3 4 5 6	Frequency
	PNO: Wide ++	Trig: Free Run #Atten: 30 dB	Avg[Hold: 100/100	LET A NNNNN	
o dB/div Ref 30.00 dBm	C		Mk	r1 788.000 MHz -15.671 dBm	Auto Tun
30.0					Center Fre 788.000000 MH
0.00 100 200 200 200 200	more	with	manual	the second	Start Fre 787.000000 MH
40.0 50.0	w ^{ard}				Stop Fre 789.000000 MH
Res BW 100 KHz	#VBW	300 kHz*	Sweep 1	Stop 789.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
2 N f 78	38.000 MHz 37.986 MHz	-15,671 dBm -13,786 dBm			Freq Offse 0 H
4 5 6 7 9 9 10					
65			STATU		

Band14_10MHz_QPSK_50_0_HighCH23330

			10 4 63
Sec. Sec. Sec.	Avg Type: Log-Pwr	TRACE 1 2 2 4 5 6	Frequency
#Atten: 30 dB			Auto Tune
	Mkr	1 798.000 MHz -20.14 dBm	Auto Tune
			Center Free
			798.000000 MH
1			Start Free
			797.000000 MH
			Stop Free
		-	799.000000 MH
V 300 kHz			CF Ster 200.000 kH
	NETION FUNCTION WITH	PRINCIPALITE -	Auto Ma
-20.14 dBm			Freq Offse
	STATUE		
	• 1	Avg Type: Log-Pur Avg Type: Log-Pur MKr MKr V 300 KHz V 200 KHz V 200 KHz V 200 KHz	Avg Type: Log-Pur The C = 1234.5 k Trig: Free Run Mixr1 798.000 MHz State: 30 dB Mixr1 798.000 MHz V 300 kHz Stop 799.000 MHz Stop 799.000 MHz Stop 799.000 MHz

Band14_10MHz_QPSK_1_49_HighCH23330



Band14 10MHz QPSK 50 0 LowCH23330

Frequency	18:51.58 AM Nov 23, 2018	ALBUMANTO	SERVELINI			all Term	AN INVESTIGATION OF THE OWNER OF T	-	R.
Frequency	TRACE 1 2 3 4 5 6	vg Type: Log-Pwr	Free Run	Trig	PNO: Wide *	00000 M	q 788.0	er Fre	Cent
			n: 30 dB	EAt	iFGain:Low		_		_
Autorun	1 788.000 MHz -21.82 dBm	Mkr				13.6 dB 0 dBm	Ref Offset Ref 30.00	div F	
Center Free			_	_	-	-	-	1	30.0
788.000000 MH			-	-	-	-	-	-	10.0
	10 miles	1				-	1		10.00
Start Free 787,000000 MH	-200700	~	•1						20.0
787.00000 MPE				-					30.0
Stop Free			-	_	-	-	-	_	40.0
789.000000 MH						-			60.0
	1		-	-	-	-		1.000	. L
CF Step 200.000 kH	Stop 789.000 MHz 000 ms (1001 pts)		Hz	W 300	#VB		00 MHz	787.00 BW 10	
Auto Mar	FUNCTION VALUE	FUNCTION MOTOR	1 900	Y	-	x			NOT M
Freq Offse		-	2 dBm	-21,	000 MHz	788	1	N 1	2
DH		-			-		-	+ +	2 3 4
1		-			-		-	++	6
							_		8
								-	5 6 7 8 9 10
		STATUS							*
		PINIUP					_		apra :

Band17 5MHz QPSK 1 0 LowCH23755-706.5

aginer (getreen Antrynt) benet \$4				10 4 63			
Center Freq 704.000000 MHz	Trig: Free Run	Aug Type: Log-Pwr	08/14/39 AM flow 28, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW	Frequency			
IFGala:Low Ref Offset 13.5 dB 10 dB/div Ref 30.00 dBm	E Wide The Free Name inition #Atten: 30 dB E Mkr1 704.000 MHz -23.09 dBm						
-og 310 100		1		Center Fre 704.000000 MH			
0.00 100 200				Start Fre- 703.000000 MH			
40.0 60.0 60.0				Stop Fre 705.000000 MH			
NOT MODELTICE SEL		Sweep 1	Stop 705.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma			
N 1 7 704.000 MHz	-23.09 dBm			Freq Offse 0 H			
5 6 7 8 9 9 10							
ngo)		574168					

Band17 5MHz QPSK 1 24 HighCH23825-713.5

10 4 6		20022					_	13	and the second se	-	Apres 12	a
Frequency	AM Nov 28, 2018	TRA	Log-Pwr	Avg Typ		Trig: Freel	VO: Wide	0000 MH	716.000	Freq	nter	Cer
	ANNNN		-			#Atten: 30	Salin:Low	iF.				_
Auto Tune	000 MHz .95 dBm	1 716.0 -19.	Mkr						f Offset 13		Bidiv	10 d
Center Fre	_						-	-				30,0
716.000000 MH	-	-	-		-		1	7	-	-		10.0
	animites				_	5		1				-10.00
Start Fre 715.000000 MH					_	-		-	-	-		20.0
	-			m		-		-	-	-		30.0
Stop Fre	_	-	~~~~									40.0
717.000000 MH			-		_	_		-	_	-		-60.0
CF Ste 200.000 kH	7.000 MHz (1001 pts)				_	150 kHz	#VBW			5.000 V 51 P		
Auto Ma	ICHINALUE .	PUNCT	CONTRADICU	CTION IN THE		-19.95 dB		716.00			N	- 10
Freq Offse 0 F						-19,96 00	UMPL				N	2345
	=			-					-			56789
			-		-						-	10
			STATUS			-					-	*
		1	PIRING								-	den :

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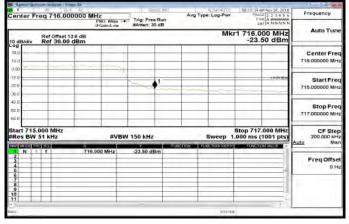
Band17_5MHz_QPSK_25_0_LowCH23755-706.5

agmen fpreinen annyer i freue Sa				10.4
Center Freg 704.000000 MHz	BERISE IVI	Aug Type: Log-Pwr	68:15:22 AM Nov 28, 2018 TRADE 1 2 3 4 5 6	Frequency
PNO: Wide ++ iFGain:Low	#Atten: 30 dB		TRACE 1 2 3 4 5 6 THE A WWWWW LET A NNNNN	
Ref Offset 13.5 dB 10 dB/div Ref 30.00 dBm		Mki	1 704.000 MHz -27.58 dBm	Auto Tuni
20.0				Center Free 704.000000 MH
0.00				Start Fre
0.02	-			703.000000 MH
40.0 60.0				Stop Fre 705.000000 MH
E00 Start 703.000 MHz #Res BW 51 kHz #VBW	150 kHz	Sweep 1	Stop 705.000 MHz 000 ms (1001 pts)	CF Step 200.000 kH
MOTE THE SEL		CTION FUNCTION WIDTH	PUNCTION VALUE	Auto Ma
1 N 1 F 704.000 MHz	-27.58 dBm			Freq Offse 0 H
5 6 7 8 9 9		_		
11		STATUS	· · · ·	

Band17 10MHz QPSK 1 49 HighCH23800-711

10.4							Annyati	(Berting	a grant
Frequency	08107 th2 AM Nov 28, 2018 TRACE THE A WWWWW 201 A NRM N N	e: RMS 100/100	AvgT	Trig: Free Run		RE	5,0	-	R
1.1.1	LET A NINNIN		acception of	#Atten: 30 dB	PNO: Wide• FGain:Low	ĥ			
Auto Tur	1 716.000 MHz -14.258 dBm	Mkr					of Offset 1 ef 30.00		dB/d
Center Fre					-	-	-	-	
716.000000 MH		1	-			1	/	_	19
					m		1	m	100
Start Fre	-1000464	-		- mount		-	-	~	°F
715.000000 MP			- and a more			-			0
	martin	www							0.0
Stop Fre	mann								00
717.000000 MH			_	-		-			10
CF Ste	Stop 717.000 MHz			0.0	10	-	MHz		
200.000 kH Auto Mi	000 ms (1001 pts)			00 kHz*	#VBV		KHZ	-	
	FUNCTION VALUE	метон мотн	PUNCTION	4 258 dBm	00 MHz	716.00			N N
Freq Offs		_		3.428 dBm	20 MHz	716.02	-	1	2 N 3
							-		6
							-		7 B
					-		-		0
	· · · ·						1		1
		STATUS							5)

Band17_5MHz_QPSK_25_0_HighCH23825-713.5



Band17 10MHz QPSK 1 0 LowCH23780-709

10 4 4			_	1			(1999)	(percent)	12.000
Frequency	08:05:45 AM Nov 28, 2018 TRACE 1 2 3 4 5 6 Tree A WWWWWW	ype: Log-Pwr	Av	rig: Free Run	D: Wide		T 50	1. 10	R
Auto Tuni	2 703.904 MHz -15.35 dBm	Mkr		Atten: 30 dB	alin:Low	iFC 6 dB	Offset 13		BJdi
Center Free 704.000000 MH		1							0
Start Free 703.000000 MH	- Margan	Ŋ	, and c	◆ ² 1	~~~			_	
Stop Free 705.000000 MH						nint	- Special		
CF Step 200.000 kH Suto Mar	Stop 705.000 MHz 000 ms (1001 pts)		PUNCTION	IO KHZ	#VBW	*	kHz	03.000 W 100	es B
Freq Offse 0 H			Ponellen	15.36 dBm 15.36 dBm		704.000 703.904		1 1	NN
		STATUS							

Band17 10MHz QPSK 50 0 LowCH23780-709

agener ipr	One-Antique (longs ()4		a second		10 4 63
Center F	req 704.0	00000 MHz PNO: Wide -	Trig: Free Run	Avg Type: Log-Pwr	08/02/37 44/ Nov 28, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW LET A NNNN N	Frequency
10 dB/div	Ref Offset Ref 30.0	IFGain:Low	#Atten: 30 dB	Mki	1 704.000 MHz -25.42 dBm	Auto Tune
20.0 10.0						Center Freq 704.000000 MHz
0.00 -10.0 -20.0			in	and -	100100	Start Free 703.000000 MHz
40 0 60,0 60,0						Stop Free 705.000000 MH
Start 703 #Res BW		#VB	W 300 KHz		Stop 705.000 MHz 000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 J 4 5 6 7 7 8 9 10		704.000 MHz	-25.42 dBm			Freq Offse 0 H
11 , 450	11		-	stAtus	· · · ·	

Band17 10MHz QPSK 50 0 HighCH23800-711

10 4 1		-				1.54	in Anyon to Dama	0	amount 120	(Q)
Frequency	18104 A2 AM Nov 28, 2018 TRADE 1 2 3 4 5 6 THE A WAYNAW	Type: Log-Pwr		Trig: Free Rut	Z NO: Wide	0000 MH	716.000	req	nter l	Cer
		-		#Atten: 30 dB	NO: Wide	iFi		-		_
Auto Tuni	716.000 MHz -22.60 dBm	Mkr				dBm	Offset 13	Ref	B/div	10 d
Center Free			_							Log 30.0
716.000000 MH		-					-			10.0
1	4307054					1			-	10.00
Start Free 715.000000 MH				mile	all and				-	-20.0
				10-100-	· / ·	-		-	-	30.0
Stop Free							-			40.0
717.000000 MH										-66.0
CF Step 200.000 kH	op 717.000 MHz 0 ms (1001 pts)	Sweep 1.	_	300 kHz	#VBW	-		.000 100		
Auto Mar	PUNCTION VALUE	FUNCTION WIDTH	PUNCTIO	-22.60 dBm	0 MHz	716.00				1993
Freq Offse 0 H										2345
										5 6 7 8 9
					-					9 10 11
								1	- '	
_		STATUS						_	_	50

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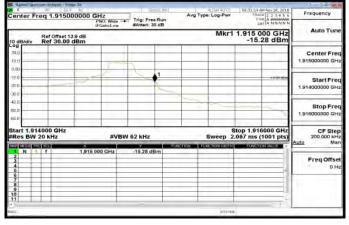
Band25_1_4MHz_QPSK_1_0_LowCH26047-1850.7

allann flerenner mittaltet	Singe Sa			The second second	10.4.63
Center Freq 1.85	00000000 GHz	Trig: Free Run	Aug Type: Log-Pwr	09.30:56 AM Nov 28, 2018 TRACE 1 2 3 4 5 6 TITLE A WWWWW DET A NNNNN	Frequency
10 dB/div Ref 30.	iFGain:Low et 13.9 dB 00 dBm	#Atten: 30 dB	Mkr1	1.850 000 GHz -19.96 dBm	Auto Tuni
20,0 10.0			-		Center Fre 1.850000000 GH
0.00 -10.0 -20.0			1		Start Fre 1,849000000 GH
40.0 60.0					Stop Fre 1,851000000 GH
Start 1.849000 GH #Res BW 20 kHz		W 62 kHz	Sweep 2	Stop 1.851000 GHz .067 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
N 1 7 2 3 4 5 6 7	1,850 000 GHz	-19,96 dBm			Freq Offse 0 H
8 9 10 11					
(H\$G)			578168		

Band25 1 4MHz QPSK 6 0 HighCH26683-1914.3

10.4				_	An any part of Termine Sta	THAT IS NOT	- against a
Frequency	100.31.4.5 AM Roy 28, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW DET A NNNNN	ALIM NUTO	SERVER	0 GHz	1.9150000	Freq	enter
	LET A NNNN N		Trig: Free Run #Atten: 30 dB	PNO: Wide			
Auto Tur	1.915 000 GHz -17.51 dBm	Mkr1			f Offset 13.9 c of 30.00 dB	N R	dB/di
Center Fre				-			0.0
1.915000000 GH				-		-	0.0
						-	00
Start Fre	100000		1				0.0
1.914000000 GH							0.0
Stop Fre		_				_	0.0
1.916000000 GH		-		-		-	0,0
							0.0
CF Ste 200.000 kF Auto Ma	top 1.916000 GHz 067 ms (1001 pts)	Sweep 2.	2 kHz	#VBV		.91400 W 20	
Auto Mi	PLANCTION VALUE	FUNCTION WOTH	17.51 dBm	15 000 GHz			N MOIN
Freq Offs 0)							2 3 4 5
							6 7 8 9
							0
	· ·	STATUS					2 2
	1	PTATUS				_	21

Band25_1_4MHz_QPSK_1_5_HighCH26683-1914.3



Band25 1 4MHz QPSK 6 0 LowCH26047-1850.7

10 4 1	09.31.30 AM Nov 28, 2018	ALDIN WIND		SERVEL		1.54	Contract of Contra	- 44	in there	- 0.95
Frequency	TRACE 1 2 3 4 5 6 THE A WWWWWW	vg Type: Log-Pwr		Trig: Free Ru	GHz PNO: Wide	00000	.85000	eq 1.	er Fr	ent
Auto Tun	.850 000 GHz -22.26 dBm	Mkr1			IT CARRY LOW	3.9 dB dBm	Offset 13 30.00	Ref	div	IO dE
Center Free 1.850000000 GH						-	_			30,0 10.0
Start Free 1,849000000 GH	-1010165		1							0.00 10 0 20 0
Stop Free 1.851000000 GH									2	40.0
CF Step 200.000 kH Auto Mar	op 1.851000 GHz 67 ms (1001 pts)			52 kHz	#VBW	-		9000 20 kH		
FreqOffse	PUNCTION VALUE	FUNCTION WIDTH	PUNCTION	-22.26 dBm	000 GHz	× 1,850			N 1	1 2 3 4
OH										4 5 6 7 8 9 10
		STATUS						a li		50

Band25_3MHz_QPSK_1_0_LowCH26055-1851.5

10 4 4					-			154	Name of Street, or other	0	man 191	- Q.J
Frequency	AM Nov 28, 2018	TRA	Log-Pwr	Avg Typ	Bell/	Sec. and	Hz	0000 G	.85000	req 1	ter F	Cen
	A NNNN N		_	_	Bb 0	#Atten: 3	NO: Wide Galis:Low	ir	_	-	_	_
Auto Tuni	000 GHz .55 dBm	1.850 0	Mkr1					9 dB IBm	Offset 13 30.00 d	Ref (BJdiv	10 d
Center Free					-			-	_	-	-	30,0
1.85000000 GH	-			1	1						-	10.0
StartFree			h		1	-	1.1.1					-10.0
1.849000000 GH					_	-			-	-	-	20.0
	-				1		~		5000		11	40.0
Stop Free 1.851000000 GH						_			_	~	~	50,0
			_		-							60.D
CF Step 200.000 kH	(1000 GHz (1001 pts)	top 1.85	Sweep 1.			120 kHz	#VBW			19000 39 kH		
Auto Ma	ION WALVE	PANET	CHONIMPIE	1000		-14,55 dE		1,850.00	_		N	199
Freq Offse	_		_	-	sm	-14,00 01	OU GHE	1,000.05	_	11	N	
0 H	-			-	-							2 3 4 5 6 7 8 9 10 11
		-	-	-	-					++	-	6 7 8
			_									9
					-	-				1.1	-	<u>11</u>
		-	STATUS								_	5/3

Band25 3MHz QPSK 1 14 HighCH26675-1913.5

10 4 63
19:22:42 An flow 28, 2018 TRACE 1 2 3 4 5 6 Frequency
LET A NNNN N
.915 000 GHz -13.147 dBm
Center Fred
1.915000000 GH;
source Start Free
1.914000000 GH
Stop Free
1.916000000 GH
op 1.916000 GHz CF Step
00 ms (1001 pts) Auto Mar
BOTH DEVENDER - PLUCO Mar
Freq Offse
Pict Wills - Trig: Pres Run Hoandure - Trig: Pres Run Hoandure - Trig: Pres Run Mkr1 1

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Band25_3MHz_QPSK_15_0_LowCH26055-1851.5

again (percent annyet) In	- 1 Sa				10 4 113
Center Freq 1.8500	000000 GHz	Trig: Free Run	Aug Type: Log-Pwr	109:23:11 AM NOV 28, 2018 TRADE 1 2 3 4 9 6 TITRE A WWWWWW DET A NNNNN	Frequency
Ref Offset 1 10 dB/div Ref 30.00	IFGain:Low	#Atten: 30 dB	Mkr1	1.850 000 GHz -22.77 dBm	Auto Tune
20.0					Center Fred 1.850000000 GH;
0.00 -10 ⁰ 0 -20.0		1		-1010166	Start Free 1.849000000 GH:
-40.0 -60.0					Stop Free 1.851000000 GH
Start 1.849000 GHz #Res BW 39 kHz	#VB	N 120 KHz		Stop 1.851000 GHz .000 ms (1001 pts)	CF Ster 200.000 kH Auto Ma
1 N 1 T 2 3 4	1,850 000 GHz	-22.77 dBm			Freq Offse 0 H
5 6 7 8 9 10 11			_		
es a la companya de			STATU		

Band25_5MHz_QPSK_1_24_HighCH26665-1912.5

10.4							14 SA	NAVARA I Since		a number of	
Frequency	TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6 THE A WWWWW	ag-Pwr	Avg Type:	Run	1	Z O: Wide	0000 GH	1.91500	Freq	nter	Cer
Auto Tur					#Atten: 3	iain:Low	i.	_	-	_	_
	915 000 GHz -20.36 dBm	MKF1				14		Offset 13 1 30.00		dB/div	
Center Fre				_	_						30/
1.915000000 GH					-	1	1				tite
					he .	-	1				10.08
Start Fre 1.914000000 GH		-		-	-		-	P	1	0	20.6
			-			-					-30.1
Stop Fre											-40.6
1.916000000 GH	_	-		_	_	-	-	_	_	0	-66.6
CF Ste 200.000 kH	p 1.916000 GHz 0 ms (1001 pts)		s		150 kHz	#VBW	_		91400 N 51 k		
Auto Ma			CN FER		Y		×		100 100	MILLIE	high
Freq Offs		-		8m	-20.36 df	GHz	1,915.00		1 1	N	23
0)				-		-					4
				-							67
		-		-							8 9
				-	~				_		11
1		STATUS									45/3

Band25_3MHz_QPSK_15_0_HighCH26675-1913.5

Agent (gention Arright Tomas Sa					10 4 63
Center Freq 1.9150000	PNO: Wide Trig:	Tree Run	Avg Type: Log-Pwr	19:23:25 AM Nov 28, 2018 TRADE 1 2 3 4 5 6 THE A WWWWWW	Frequency
Ref Offset 13.9 dB	iFGaintLow #Atte	1: 30 dB	Mkr1	1.915 000 GHz -19.94 dBm	Auto Tune
20.0 10.0					Center Free 1.915000000 GH
0.00	~	•1			Start Fre 1.914000000 GH
40 0 40 0 50 0					Stop Fre 1.916000000 GH
Start 1.914000 GHz #Res BW 39 kHz	#VBW 120 k	Hz		Stop 1.916000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
N 1 1 1; 2 3 4	915.000 GHz -19.9	dBm	GNI FUNCTION WIDTH	PLONGTICK VALUE	Freq Offse
5 6 7 8 9 10 11					
нда) 1			STATU		

Band25 5MHz QPSK 1 0 LowCH26065-1852.5

Agener (gennen Antrept) he			ALDINING	00.10:47 AM Nov 28, 2018	10.4 63
Center Freq 1.8500	PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
Ref Offset 1	iFGain:Low	#Atten: 30 dB	Mkr1	1.850 000 GHz -19.31 dBm	Auto Tune
og 30,0 10.0					Center Free 1.85000000 GH
0.00		•!=	× ×		Start Free 1.849000000 GH
	-				Stop Free 1.851000000 GH
itart 1.849000 GHz Res BW 51 kHz	<i>p</i>	150 KHz	Sweep 1.	top 1.851000 GHz 000 ms (1001 pts)	CF Ster 200.000 kH Auto Mar
N 1 1 3 4 5	3 1,850,000 GHz	-19.31 dBm		PARENNALISE -	Freq Offse 0 H
5 6 7 8 9 10 11					1
5(G)			STATUS		

Band25_5MHz_QPSK_25_0_LowCH26065-1852.5

10 4 23	100000000	and the second	-	_				154	NAME OF TAXABLE PARTY.		and then	- Q.(
Frequency	2 441 Nov 28, 2018 RADE 1 2 3 4 5 6 THE A WWWWWWW DET A NNNNN	69/14/52 TRA	Vpe: Log-Pwr	Avg	e Run	Trig: Pre	Hz PNO: Wide -•	00000 G	.8500	req 1	ter Fi	Cen
Auto Tune	Ref Offset 139 dB Mkr1 1.850 000 GHz 10 dB/div Ref 30.00 dBm -28.05 dBm											
Center Free 1.85000000 GH												20.0 10.0
Start Free 1.849000000 GHz				1	1_					-		0.00 -10.0 -20.0
Stop Fred 1.851000000 GH3												40.0
CF Step 200.000 kH Auto Mar	51000 GHz s (1001 pts)	1.000 ms		Dectros		150 kHz	#VBV	*		9000 51 kF		#Re
Freq Offse 0 H						-28.05 di	00 GHz	1,850 0			N	
									-			7 9 10 11
		8	STATUS									esis i

Band25 5MHz QPSK 25 0 HighCH26665-1912.5

10.4		-			_	154	myon i Tee	- A)	Apres 18	1 0)	
Frequency	09:15:06 4M floor 28, 2018 TRACE 1 2 3 4 5 6	ALIM WITO Type: Log-Pwr	A	Trig: Pree Run	Hz	.9150	req	nter	Cer		
	LET A NNNNN	iFGainLow wAtten: 30 db									
Auto Tur	Ref Offset 13.9 dB Mkr1 1.915 000 GHz 10 dB/div Ref 30.00 dBm -26.37 dBm										
Center Fre		_	_			-		_		30.0	
1.915000000 GH						-			1	10.0	
1					1		-		1	10.00	
Start Fre 1,914000000 GH					-	-			_	20.0	
1					-	-		-		30.0	
Stop Fre		-			-	-	-			40.0	
1.916000000 GH										60.0	
CF Ste 200.000 kF Auto Ma	top 1.916000 GHz 000 ms (1001 pts)	Sweep 1.		150 kHz	#VBV			14000 / 51 k			
Auto Mi	PUNCTION VALUE	FUNCTION WIDTH	Publication	-26.37 dBm	000 GHz	1,915.0		THE PARTY	N	-	
Freq Offs 0)										2345	
										56789	
					-			-		10	
										50	
		STATUS						_	-	1615	

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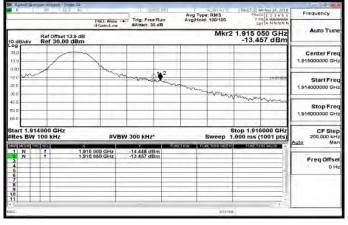
Band25_10MHz_QPSK_1_0_LowCH26090-1855

all all more than a state					10 4 43
R I	PNO: Wide *	Trig: Pree Run	Avg Type: RMS Avg/Hold: 100/100	10101344 AM You 28, 2018 TRACE 1 2 3 4 5 6 Tree A WARMAN	Frequency
	iFGaintLow	#Atten: 30 dB	of a new first		Auto Tune
	mset 13.9 dB 30.00 dBm		Mkr1	1.850 000 GHz -15.298 dBm	Auto / un
20.0				~	Center Free
19.9					1.85000000 GH
		03021	www	1000	Charles Inc.
20.0		- who was			Start Free 1.849000000 GH
200	and how when the		-		
40.0 min month	mann				Stop Free
-60.0	-				1.851000000 GH
Start 1.849000		Real Providence		Stop 1.851000 GHz	CF Ste
#Res BW 100 k	Hz #VB	W 300 kHz*	Sweep 1	.000 ms (1001 pts)	Auto Ma
T N T	1.850 000 GHz 1.849 972 GHz	-15,298 dBm		FEREITER VIEWE	-
2 N 1 3 N 1 4	1.849 920 GHz	-13.561 dBm			Freq Offse
5 6 7					
7 8 9					
10					
490)			STATU		I
				-	

Band25 10MHz QPSK 50 0 HighCH26640-1910

enter F	nter Freq 1.915000000 GHz		reg 1.915000000 GHz Trig: Free Run Avg Type: Log-Pwr						
		PNO: Wide iFGain:Low	#Atten: 30 dB		LET A NNNN N	Auto Tun			
Ref Officet 13.9 dB Mkr1 1.915 000 GHz 10 dB/div Ref 30.00 dBm -22.50 dBm -22.50 dBm									
20.0						Center Fre			
10.00						1.915000000 GH			
10.0			1			StartFre			
20.0	-	-				1.914000000 GH			
40.0						-			
60,0	-					Stop Fre 1.916000000 GH			
60.0									
Res BM	14000 GHz 100 kHz	#VI	300 kHz		top 1.916000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH			
		1,915 000 GHz	-22.50 dBm	INCTION FUNCTION WOTH	FUNCTION VALUE	Auto M			
2 3 4 5		1,810 000 GHA	42.00 0000			Freq Offs 01			
6 7 8 9									
10									
11	1.1				· · · ·				
15(G)				57ATH8					

Band25_10MHz_QPSK_1_49_HighCH26640-1910



Band25 10MHz QPSK 50 0 LowCH26090-1855

Citamo Mar	An man	1 1 1 1 1 1 1 1		DERISE IVI	ALIWANITO	09184:00 AM Nov 28, 2018	10 4 63		
Center F	req 1.85	50000000 G	PNO: Wide -1	Trig: Free Run	Avg Type: Log-Pwr	TRACE 123450	Frequency		
Ref Offset 13.9 dB Mkr1 1.850 000 GHz 10 dB/div Ref 30.00 dBm -222.18 dBm									
20,0 10.0							Center Fred 1.85000000 GH		
0.00	-			•		-00066	Start Fred 1.849000000 GH:		
40 0 60,0 60 0							Stop Fred 1.851000000 GH:		
Start 1.84 #Res BW	100 kHz		#VB	W 300 kHz	Sweep 1	Stop 1.851000 GHz 1.000 ms (1001 pts)	CF Step 200.000 kH		
1 N 2 3 4 5		1,850.0	00 GHz	-22.18 dBm		PUNCTONVALUE	Freq Offse 0 He		
5 6 7 8 9 10 11									
ueșa i					STATU				

Band25 15MHz QPSK 1 0 LowCH26115-1857.5

10 4 23	10.00 CO.00								Assess Phone	1	
Frequency	TRACE 1 2 3 4 5 6 TRACE 1 2 3 4 5 6 THE A MORPHY IN	RMS	AvgT	Rún	Jan 1	Wide -	R	- 50	1	P P	
Auto Tune	and the second	ML-2 1 040 056 CU-									
	-14.228 dBm	MKr3				-		Ref Offset Ref 30.00	BJdiv	10 d	
Center Free	1		-	-			-	-	1	20.0	
1.85000000 GH2	1	-	1	1		1				19.6	
Start Fred	estimates	round	Martin	1	♦ ³ 0 ²			_	-	-100	
1.84900000 GHz			946 M V.	entre sa	and the second	wat	www.chandro	man	mm	300	
Stop Free		_	_		_		-			40.0	
1.851000000 GH										60.0	
CF Step 200.000 kH	p 1.851000 GHz		-	_	620 KHZ	#\/B)	-	000 GHz	rt 1.849		
Auto Mar	ponenervene	Concerto 1.	NOTION 1		Ÿ	-	×		Mainte Into	_	
Freq Offset				3m	-14 225 dF -13 526 dF -14 228 dF	4 GHz	1,850 00 1,849 95 1,849 85	1	NNN	1 2 4	
0 Ha										45678910	
				-		-		_		8	
		-		-						10 11	
-		STATUS							_	* 150	
										_	

Band25 15MHz QPSK 1 74 HighCH26615-1907.5

16 4 4							-Annyatti	and photometers	- Q.J		
Frequency	18:54:30 AM Nov 28, 2018 TRACE TRACE 1 2 3 4 5 6 Tree A WAYNAW	ype: RMS old: 100/100	Avg	rig: Free Run	O: Wide	RI	- 1 5A -	1	R		
	DET A NNNNN	concord to .		Atten: 30 dB	alisti.ow	iFC					
Auto Tun	Ref Offset 13.9 dB Mkr2 1.915 020 GHz 0 dBudiv Ref 30.00 dBm - 14.324 dBm										
Center Fre		_	_			-	1	-	.0g 30.0		
1.915000000 GH		-		- 7					tag		
-		1 1 1		×2	main	W			100		
Start Fre 1.914000000 GH	the prove that	Manna	manne	mm from	·		-	-	30.0		
	1 Mar Markay				1.1				40.0		
Stop Fre-				_			_		50.0		
1.010000100 011		-		-	-	-			6.0		
CF Stel 200.000 kH	top 1.916000 GHz 000 ms (1001 pts)	Sweep 1.		to kHz*	#VBW		000 GHz 00 kHz	1.9140 BW 20			
Auto Ma	FUNCTION VALUE	FUNCTION WIDTH	PONCTION	5.047 dBm	CIUS I	1,915 00		N N	1		
Freq Offse			_	4.324 dBm		1,915,02	1	N	2		
DH									4		
					-		-		6		
							-		5 6 7 8 9 10 11		
	· · · · ·	-		-			_	11	11		
		STATUS							50		

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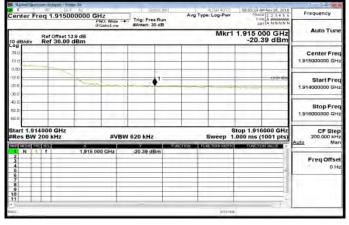
Band25_15MHz_QPSK_75_0_LowCH26115-1857.5

Bigmen (gentermente					4 63
Center Freq	1.850000000 GHz	Trig: Free Run	Aug Type: Log-Pwr	08:55:04 AM Nov 28, 2018 TRACE 1 2 3 4 5 6 TITE A WWWWW	Frequency
10 dB/div Re	Auto Tune				
20,0					Center Free 1.850000000 GH
0.00 -10.0 -20.0		•1		201010	Start Free 1.849000000 GH
-40.0 -60.0					Stop Fre 1.851000000 GH
Start 1.84900 #Res BW 200	kHz #	VBW 620 kHz	Sweep 1	Stop 1.851000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 f 2 3 4	1,850 000 GHz				Freq Offse 0 H
5 6 7 8 9 10 11					1
, NESS			STATU		

Band25_20MHz_QPSK_1_99_HighCH26590-1905

10.4	08123/28 AM Nov 28, 2018	AUNIAUE		-		_		Annuali	ger	1000 10	- 01
Frequency	TRACE 1 2 3 4 5 6	d: 100/100		Bridde Bridd	Jan			50	-	-	В
	LET A NNNNN	IFGARLEW BACKER, SO GE									
Auto Tun	1.915 038 GHz -13.588 dBm	Mkr2						ef Offset		B/div	10 d
Center Free			-			-	-		~	-	20,0
1.915000000 GH		1 1			-	1.1		1			19.9
StartFre				1ª2	All at a set	A Carlowing res	WHAT WAS			-	100
1.914000000 GH	normen	Apparter way	estar suppo	an gland	A.M.A.A.M.			-	-	-	20.0
-	100 Caradian All	1		1		1			-		40.0
Stop Fre				-						-	60.0
1.918000000 68			-	-	-		-	-	_	-	£6.0
CF Ste 200.000 kF	top 1.916000 GHz 000 ms (1001 pts)			r	1.0 MHz	#VB		00 GHz 0 kHz			
Auto Ma	FUNCTION VALUE	UNCTION HIDTH	PONETICN -		-17.020 d		× 1,915 0		and a	N	1
Freq Offse			-	Bm	-13.588 di		1,915 0	-	1	N	2
DH				-		-		-			4 5 6
				-				-		-	78
	1					_					9 10
	· · · · ·			-				-	-	_	11
		STATUS								_	55

Band25_15MHz_QPSK_75_0_HighCH26615-1907.5



Band25 20MHz QPSK 1 0 LowCH26140-1860

10.4	08:21:46 AM Nov 28, 2018	ALIGH WIYO				10 t 34	Analyzet	in Maximum	- Que
Frequency	TRADE 1 2 3 4 5 6 TITLE A WWWWW	Type: Log-Pwr		Trig: Free Ru	NO: Fast +4	PA	80 . I S	-	H
Auto Tun			1	#Atten: 30 dB	Gain:Low	IFO			_
Auto Tun	1.849 934 GHz -14.22 dBm	Mkr3		_	_		Ref Offset		dB
Center Free		_	-				-	-	8,0
1.85000000 GH	/			-				-	00
-		- mandred	-	♦ 3 २					0.0
Start Fre 1.849000000 GH			MAN 1	WHY THE	TW.	1 10 00 143		_	0.0
		-	-		1.16.	Monital	4 Barry	Virg	0.0
Stop Fre								- 1	0.0
1.851000000 GH					-		-		0.0
CF Ste	top 1.851000 GHz				-	-	00 GHz		
200.000 kH Auto Ma	000 ms (1001 pts)		_	1.0 MHz	#VB		00 kHz	-	
	PANETICIN VALUE	FUNCTION WIDTH	PUNCTION	-15.79 dBm		1,850 000	1		1 1
Freq Offse		1		-13.99 dBm -14.22 dBm	4 GHz	1.849 990	1	1	4
DH		-	_		-			11	5
								11	7
									5 6 7 8 9 0
		-						11	1
		STATUS							si .

Band25 20MHz QPSK 100 0 LowCH26140-1860

Bar Gigmon These	An Angent 1 Tom	19	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -			10 4 63
Center Fi	req 1.85000	00000 GHz PNC: Fast +	Trig: Free Run	Avg Type: Log-Pwr	08:23:47 AM Nov 28, 2018 TRACE 1 2 3 4 5 6 THE A WWWWWW	Frequency
10 dB/div	Auto Tune					
30,0 10.0	_					Center Free 1.85000000 GH;
0.00 -10.0 -20.0			*		August 10 (Dollars	Start Fred 1.849000000 GHz
40.0 60.0 60.0						Stop Free 1.851000000 GH:
Start 1.84 FRes BW		#VB	N 1,0 MHz		stop 1.851000 GHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 1 2 3 4 5 6 7 7 8 9 9 10 11		1,850.000 GHz	-23,83 dBm			Freq Offse 0 H
* 155				STATUS	,	

Band25 20MHz QPSK 100 0 HighCH26590-1905

a green The	A HINGH AN AN ANALYSIN	11 Innu Sa				-		10 4 23
Center F	reg 1.91	5000000 G	Hz PNO: Fant -	Trig: Free Run #Atten: 30 dB		ALIGN MUTO	08:24:81 AM floor 28, 2 TRACE 1 2 3 4 THE A WWW DET A NNN	Frequency
10 dB/div	Auto Tune							
29,0 10.0		.00 dBm	-					Center Fred
10:00	-	min	-	•1				5 Start Free 1.914000000 GH
30.0 40.0 50.0								Stop Free 1.916000000 GH
Start 1.9	14000 GH 300 kHz		#VB	N 1,0 MHz	ENCION		Stop 1.916000 Gi .000 ms (1001 pi	200.000 kH
1 N	1 1	1,915.0	00 GHz	-22.05 dBm				Freq Offse
2 3 4 5 6 7 8 9 10					_			
, Nego				-		STATU)	

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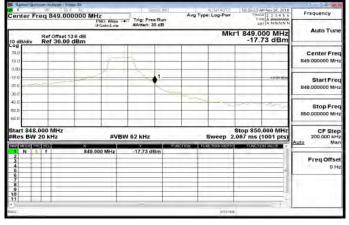
Band26_1_4MHz_QPSK_1_0_LowCH26797-824.7

all all see	(Income Alternation 1 To	ange Sac				10 4 23
Center F	req 824.00	00000 MHz	Trig: Free Run	Avg Type: Log-Pw		Frequency
10 dB/div	Ref Offset		#Atten: 30 dB	м	kr1 824.000 MHz -20.77 dBm	Austra Trees
20,0 10:0	_					Center Free 824.000000 MH
0.00 -10.0 -20.0			25	1		Start Free 823.000000 MH
40.0 (50,0 (60,0	~~~~					Stop Fre 825.000000 MH
Start 823 #Res BW		#VB	W 62 kHz	Sweep	Stop 825.000 MHz 2.067 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 2 3 4 5 6 7 8		824.000 MHz	-20.77 dBm			Freq Offse 0 H
9 10 11 ,				5781		

Band26_1_4MHz_QPSK_6_0_HighCH27033-848.3

allant Bertille The	vent i Trompe Sa				0.4.43
Center Freq 84	19.000000 MHz	Trig: Free Run	Avg Type: Log-Pwr	10:20:48 44 60v 28, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW LET A NNNN N	Frequency
10 dBJdiv Ref	IFGaintLow IFGaintLow	#Atten: 30 dB	Mk	1 849.000 MHz -16.76 dBm	Auto Tune
20,0 10.0					Center Free 849.000000 MH
0.00 -10'0 -20'0		-+1-		e 3 (3) (5)	Start Free 848.000000 MH
-30.0 -40.0 -50.0					Stop Free 850.000000 MH
Start 848.000 M #Res BW 20 kH		W 62 kHz	Sweep 2	Stop 850.000 MHz 067 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 7 2 3 4 5 6	849.000 MHz	-16.76 dBm	ALTION FUNCTION WOTH	PURCHONVALLE	Freq Offse 0 H
7 8 9 10 11					
NESS			57A TUS		

Band26_1_4MHz_QPSK_1_5_HighCH27033-848.3



Band26_1_4MHz_QPSK_6_0_LowCH26797-824.7

10.4	10.26:35 AM Nov 28, 2018	ALIWANTE		- SERVE		154	PROPERTY OF THE OWNER.	- ANI	an illian	0.91
Frequency	TRACE 1 2 3 4 5 6	Avg Type: Log-Pwr		Trig: Free Ru	PNO: Wide +++	0000 M	24.00	req 8	er Fr	ent
Auto Tun	If GainLow #Atten: 30 dB Extrema 10 dB 10 dBJdiv Ref Offset 136 dB Mkr1 824 000 MHz 23.41 dBn -23.41 dBn									
Center Free 824.000000 MH			-			-				38.0 19.0
Start Free 823.000000 MH			2	. e				-		0.00 10.0 20.0
Stop Free 825.000000 MH										40 0 50,0
CF Step 200.000 kH Auto Mar	top 825.000 MHz 67 ms (1001 pts)			62 kHz	#VBW	-		000 M 20 kH		
Freq Offse	PLANCTRON VALUE	WE FURCTION WORTH	PUNCTO	-23.41 dBm	000 MHz	824			N 1	1234
										5 6 7 8 9 10
		STATUS								\$0

Band26_3MHz_QPSK_1_0_LowCH26805-825.5

aymen in	An anyon i To		-				The second second			0 4 EX
Center F	req 824.00	PNO:	Wide	Trig: Free	Run	Avg Type	Log-Pwr	10:13 34 44 TRACE	123456 ANNNNN	Frequency
10 dB/div	Ref Offset 1 Ref 30.00	IFGain 13.6 dB 13.6 dBm	nilow	#Atten: 30	dB		Mk	1 824.00		Auto Tune
20.0 10.0	_				7	1				Center Fred 824.000000 MHz
0.00 -10.0 -20.0					1				10000	Start Fred 823.000000 MHz
40.0	Ac		~							Stop Free 825.000000 MH
Start 823 #Res BW			#VBW	120 kHz		ICTION 1 PUR	Sweep 1	Stop 825. .000 ms (1	001 pts)	CF Step 200.000 kH Auto Mar
	1 1	824.000 N	1Hz	-15.52 dB						Freq Offse 0 Ha
10	11			~			STATUS		÷	

Band26 3MHz QPSK 1 14 HighCH27025-847.5

a grant i gra	Annyati i al					10 4 23
R B	- 1.5µ -	PR-1	CERSE INT	Aug Type: RMS	10:15:11 AM Roy 28, 2018 TRACE 1 2 3 4 5 6	Frequency
		PfiQ: Wide = iFGain:Low	#Atten: 30 dB	Avg[Hold: 100/100	DET A NNNN N	1.58.5
10 dB/div	Ref Offset 13.6 Ref 30.00 dE			Mk	1 849.000 MHz -13.311 dBm	Auto Tune
20.0 19.9		6				Center Freq 849.000000 MHz
0.00			1		450766	StartFreq
			~			848.000000 MHz
40.0					m	Stop Freq
66.0		-				850.000000 MHz
#Res BW		#VB	W 120 kHz*	Sweep 1	Stop 850.000 MHz .000 ms (1001 pts)	CF Step 200.000 kHz Auto Man
I N		849,000 MHz	-13,311 dBm	NETION: FUNCTION WOTH	PUNCTION VALUE	- Maria
2 3 4 5			- (0.071 gam			Freq Offset 0 Hz
6 7 8 9						
10						
usia i				STATU		

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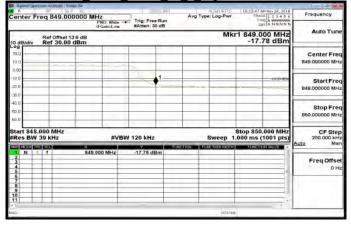
Band26 3MHz QPSK 15 0 LowCH26805-825.5

10.4		-				4 54	any set i from	()	1 mar 10	a
Frequency	10.15.33 AM Nov 28, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW DET A NNNNN	Type: Log-Pwr		SERIALI	łz	0000 MH	324.000	req	nter l	Cer
	DET A NNNN N			Trig: Free Run #Atten: 30 dB	PNO: Wide +++	p ir		-		-
Auto Tur	1 824.000 MHz -23.67 dBm	Mkr				dBm	Offset 13	Ref	B/div	10 d
Center Fre		_	-		-			-		20,0 10.0
824.000000 MF		~~~	2		1.1					10.00
Start Fre			2	1	-	-		-	-	10.0
823.000000 MH										20.0
Stop Fre		-		_	-	-	_	-	-	40.0
825.000000 MH				_					11	60,0 66,0
CF Ste 200.000 kF Auto Ma	Stop 825.000 MHz 000 ms (1001 pts)	-	_	120 kHz	#VBW	-		.000 I 39 k		
Auto mi	FUNCTION VALUE	FUNCTION WOTH	PONCT	-23.67 dBm	00 MHz	824.00			N	
Freq Offs										2145678910
			_				-	-		6 7 8
			_							9 10 11
		STATUS		-					-	
	-	PALKING							-	

Band26 5MHz QPSK 1 24 HighCH27015-846.5

R Sol Conter Freq 849,000000 MHz				Trig: Free Ru	Trig: Free Run		ALIWI MITO Avg Type: Log-Pwr		1 2 3 4 5 6 A NNNN N	Frequency	
	-		iFGain:Low	#Atten: 30 dB	3			1 849.00		Auto Tun	
10 dB/div	Ref Offs Ref 30	et 13.6 dB .00 dBm					IN IN		5 dBm		
20.0	_		-		_	_				Center Fre	
t0.0	-	-	1	_		_			-	849.000000 MH	
0.00		121	-	5	-				-		
-10.0	120	100	-	1	-	-	-	-		Start Fre	
20.0				100						848.000000 MH	
40.0						~	-			The Sum of	
50,0		_	-		_	_	~		m	Stop Fre 850.000000 MH	
-60.0	-	-	-		-	_	_			850.000000 MP	
Start 848		z				-		Stop 850.0		CF Ste	
#Res BW		-	#VBW	150 kHz				.000 ms (1		200.000 kH Auto Ma	
N N	100	849	000 MHz	-18.45 dBm	PUNCT	CW FUE	CTION HIDTH	PONCTICI	N WALLYE -		
2 3			FRE OUTS	, caroot postur		-				Freq Offse	
4 5									-	OH	
6 7 8 9						-					
8	-							-	_		
10							-				
* 150				-			STATUS	1	- F .		
DAN :							STATUS	1			

Band26_3MHz_QPSK_15_0_HighCH27025-847.5



Band26 5MHz QPSK 1 0 LowCH26815-826.5

Citaton Management	An any state in the second second	_	L SERVE IN		ALIWOWITE	00:55 58 AM Nov 28, 2018	10.4.63
enter Freq	824.000000 MH	Z NO: Wide -+	Level and the		Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
10 dB/div R	Auto Tuni						
20.0 10.0				1	-		Center Free 824.000000 MH
0.00 10.0 20.0		-		~			Start Free 823.000000 MH
40 0 60,0		/					Stop Free 825.000000 MH
Start 823.000 #Res BW 51		#VBW	150 kHz			Stop 825.000 MHz 000 ms (1001 pts)	200.000 kH
N 1		00 MHz	-20,60 dBm	PUNCTION	FUNCTION WEITH	PLANETICNVALUE -	
274							Freq Offse
5 6 7 8 9 10 11				_			-
11	-		-		STATUS		1

Band26_5MHz_QPSK_25_0_LowCH26815-826.5

a games age	Course An anyort (1					10 4 23
Center F	reg 824.0	00000 MHz	Trig: Free Run	Aug Type: Log-Pwr	09/58/26 AM floov 28, 2018 TRACE 1 2 3 4 5 6 THE A WWWWWW DET A NNNNN	Frequency
10 dB/div	Ref Offset Ref 30.0	iFGaint.ow	#Atten: 30 dB	Mk	1 824.000 MHz -25.05 dBm	Auto Tune
20.0						Center Free 824.000000 MHz
0.00 -10.0 -20.0			•	-		Start Free 823.000000 MHz
-10.0 -40.0 -50.0 -60.0						Stop Free 825.000000 MH
1.1		#VB	W 150 kHz	Sweep 1	Stop 825.000 MHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 3 4		824,000 MHz	-25.05 dBm			Freq Offse 0 H
5 6 7 8 9 10 11						
4495				57A TB3		

Band26 5MHz QPSK 25 0 HighCH27015-846.5

10.4.6		-	_		_	- 54	Art Property in the	garage.	1 mail	a a
Frequency	09159148 AM Nov 28, 2018 TRACE 1 2 3 4 5 6	Type: Log-Pwr	Ave	Trig: Pree Run	Hz	00000 MH	849.00	Freq	nter	Cer
	DET A NNNN N	LET A NNNN I			PNO: Wide					
Auto Tun	1 849.000 MHz -21.51 dBm	Mkr					f Offset 1		Bidin	10 d
Center Fre			_		-	-		_	-	30.0 10.0
642.00000 MP		-							1	10.00
Start Fre		-	-	1	1	-	-	_	_	-10.0
848.000000 MH		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~					_		20.0
Stop Fre		-	_	_		-	-			40.0
850.000000 MH										60,0
CF Ste 200.000 kH Auto Ma	Stop 850.000 MHz 000 ms (1001 pts)	Sweep 1.	PONCTION	150 kHz	#VBW	×		18.000 W 51	s B	#Re
Freq Offse				-21.61 dBm	000 MHz	849.0		1 1	N	1 1114
							-		-	5 6 7 8 9
			_			_	-		_	8 9
							1	1	-	10
		STATUS							-	5,5

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Report No.: E2/2018/B0047 Page 238 of 583



Band26_10MHz_QPSK_1_0_LowCH26840-829

10 4 1									anyati 🔤	THAT	-Bight	
Frequency	AM NOV 28, 2018	TRA	ALINAMIC e: RMS d: 100/100	Avg	ense min	Jan	WO: Wide	- RE I	5,0 -	1	R	
Auto Tun	er (al a a a a a a a		A MARTINE			#Atten: 3	Galin:Low	ii.		_	_	_
- 500 - C.C. Y	00 MHz 54 dBm		MK						f 30.00		dBJ	10
Center Fre		~		-	-				_	1		20
824.000000 MH			1		1			-				19
StartFre	and and		1	and	11	03.0					_	-101
823.000000 MH			-	-	-	"	-		-			20
					-		1 ev	and the second			_	-30
Stop Fre 825.000000 MH			-	-	-	-		-	man	non	0,0	50
820,000000 Hit				-	-		-	-			8.0	60.
CF Ste 200.000 kH	.000 MHz 1001 pts)				7*	W 300 kHz	#VB			23.000 W 100		
Auto Ma			INCTION MILTON	UNCTION		¥	_	×			19 M	_
Freq Offse		-	-	-	dBm	-14.554 d -13.394 d -13.969 d	4 MHz	823.97		1	2 1	2
DH	_		-			-13.202.0	S MICHA	64.0.03	-		4	4
			-	-							6	56789
			_	_	-				-		9	9 10
			-		-	-			1	11	1	11
		8	STATUS								51	45/3

Band26 10MHz QPSK 50 0 HighCH26990-844

R 8.	req 849.0	000000 MHz PNO: Wid	Trig: Free Run #Atten: 30 dB	Aug Type: Log-Pwr	109151142 44 Nov 28, 2018 TPACE 1 2 3 4 5 6 THE A WARNIN N	Frequency
10 dB/div	Ref Offset Ref 30.0	13.6 dB		Mk	r1 849.000 MHz -21.15 dBm	Auto Tun
20,0 10.0						Center Fre 849.000000 MH
0.00 10'0 20 0	-					Start Fre 848.000000 MP
-20.0 -40.0 -50.0 -60.0						Stop Fre 850.000000 MH
	.000 MHz 100 kHz	#\	/BW 300 kHz		Stop 850.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kF Auto Ma
1 N 2 J 4 5 6		849.000 MHz	-21.16 dBm			Freq Offs
7 8 9 10 11						
4G)				STATU		1

Band26_10MHz_QPSK_1_49_HighCH26990-844

Frequency	A NNNNN	09151.05 A	pe: RMS Id: 100/100	Avg	SEJM1	1			50	1		R
Auto Tun	Concerns and the second	r1 849.0	and a state of the	AVQIN	dB	Trig: Pree #Atten: 30	PNO:Wide ↔ FGain:Low	3.6 dB	f Offset 1		BJdiv	10 d
Center Fre 849.000000 MH	_					_			1			20.0 19.9
Start Fre 848.00000 MH				sour-	1)2 2000		m			n d	~	-10.0
Stop Fre 850 000000 MH	Minin	man	may									40.0
CF Ste 200.000 kH	1001 pts)	Stop 850 .000 ms (Sweep 1	_		300 kHz*	#VB	-		W 10	S BI	Re
Freq Offse 0 H	JA WALKE	P.MR.II	UNCTION MOTH	1211241	m	-14.933 dB -13.535 dB	00 MHz 60 MHz				N N	2234
												5 6 7 8 9 10 11
-		6	57414									5

Band26_10MHz_QPSK_50_0_LowCH26840-829

allant, the	Course An any part 1 To	an ().		ALIVERITO	00151125 AM Nov 28, 2018	10 4 163			
Center F	reg 824.00	PNO: Wide -	Trig: Free Run	Avg Type: Log-Pwr	123 45 6 TRACE 1 2 3 4 5 6 THE A WWWWW	Frequency			
Ref Offset 13 6 dB Exclosion Mining Ref Offset 13 6 dB Array 10 dB - 22.22 dBm - 22.22 dBm - 22.22 dBm									
30,0 10:0						Center Free 824.000000 MH			
0.00			······································	- A	-1949-454	Start Free 823.000000 MH			
40 0 50,0 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)	CF Ster 200.000 kH Auto Mar			
1 N 2 3 4 5 6 7 7 8 9		824.000 MHz	-22.22 dBm	ANCTION FUNCTION MODIFIE	PLANE EN VALUE -	Freq Offse 0 H			
.9 10 11			~	STATUS	· · ·				

Band26_15MHz_QPSK_1_0_LowCH26865-831.5

against ige	Course Alternation					10.4.83
R.	1.5	0 - 14C	Trig: Pree Run	Avg Type: RMS Avg/Hold: 100/100	19142:38 AM Nov 28, TRACE 1 2 3 4 THE A WAY	5.6 Frequency
_	_	Prio: Wide Trig. Pree Run IFGein:Low #Atten: 30 dB		C. B. C. C. S. C. C.	and the second second	Alter Trune
10 dB/div	Ref Offsel Ref 30.0			Mk	-14.823 dB	HZ
20.0						Center Free
19.9					-	824.000000 MH;
000			0 ³ 0 ² 1	an energy man man	Mar 100	start Free
NW DOC	JAM WWW	viccommunity where the	Nord Manuscrather and	andersonalitication		823.000000 MH
40.0	_		-	_		Stop Fre
50.0 60.0						825.000000 MH
	000 MHz	#VB	W 620 KHZ*	Sweep	Stop 825.000 M	
NOTE INCOME		×		ольные ракстанион	PUNCTION VALUE	Auto Ma
1 N 2 N 3 N 4	1	824.000 MHz 823.950 MHz 823.870 MHz	-14.823 dBm -13.834 dBm -13.670 dBm			FreqOffse
4 5 6 7 8 9						
8	-					
10						
\$G)				57A TE	6	

Band26 15MHz QPSK 1 74 HighCH26965-841.5

10.4								Annymiti	(Beating and	All services of the
Frequency	1914525 AM Nov 24, 2018 TRACE 123456 THE A WARNING N	ype: RMS old: 100/100	Avg T	Run	Law and	O: Wide -•	R	50 -	1	R
1.00	DET A NINNIN				#Atten: 30	iainti.ow	iFG			
Auto Tun	Ref Offset 13.5 dB Mkr1 849.000 MHz 10 dB/dv/v Ref 30.00 dBm14.790 dBm									
Center Free		-		-	-				~	
849.000000 MH						1	· . · ·	N.	-	00
StartFree	mighun munun	-		1,20,3		Allhaceto	mount	m		0
848.000000 MH	Million Part - man -	Mannan	Water	working	IN NON PURCHASE	A death			-	0
	a hour when the			-		-				0
Stop Free						1.1.1				0
850.000000 MH				_					_	0
CF Ste	top 850.000 MHz		-	_	1		-		48.000	
200.000 kH Auto Mar	000 ms (1001 pts)	Sweep 1.			620 kHz*	#VBV	~		W 200	
	Control visite	- uncerton worker		m	-14,790 dB		849.000		1	N
Freq Offse			-	m	-13.810 dB		849.104	-	111	N
977				-		1				
			-							
			-	-		-		-		
			-	1		-		1		
		STATUS								i

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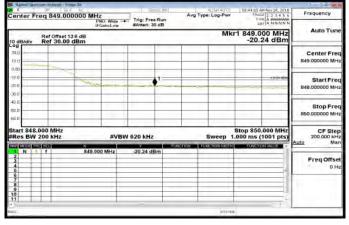
Band26_15MHz_QPSK_75_0_LowCH26865-831.5

against Sheeringe	An any st i Tomas S	*		A second	The second s	10 4 63
Center Fred	824.0000	00 MHz PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	109.43551 AM foov 28, 2018 TRADE 1 2 3 4 5 6 TITALE A WWWWWW DET A NNNNN	Frequency
10 dB/div R	Auto Tune					
20,0 10.0	ef 30.00 dB					Center Free 824.000000 MH
0.00 -10 [°] 0 -20 [°] 0			•		sounds	Start Free 823.000000 MH
-30.0 -40.0 -50.0 -60.0						Stop Fre 825.000000 MH
Start 823.00 #Res BW 20	0 KHz	#VB	N 620 KHz	Sweep 1	Stop 825.000 MHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 2 3 4 5 6	1	824.000 MHz	-21,66 dBm			Freq Offse
0 7 8 9 10						
uso i				STATU		

Band30 5MHz QPSK 1 24 HighCH27735-2312.5

B 8-	0	000000 GH) dense	(N)	Avg Type		10134.584	AM Febr 26, 2018	Frequency
Center P	red 2.515	PNC	D: Wide	Trig: Free R		Had the	- Log - m	11	A WWWWW	
Ref Offset 14.1 dB Mkr1 2.315 000 GHz 10 dB/div Ref 30.00 dBm -19.80 dBm									Auto Tun	
20,0 10.0				_		_				Center Fre 2.315000000 GH
0.00		and the second sec		5					2010-10a	Start Fre 2.314000000 GH
30.0 40.0 60.0							~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~	Stop Fre 2.316000000 GH
			#VBW	150 kHz				.000 ms (6000 GHz 1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 234	1	2.315 000	GHz	-19.80 dBm						Freq Offse 0 F
6 7 8 9 10										
							STATUS	i i	- · · ·	

Band26_15MHz_QPSK_75_0_HighCH26965-841.5



Band30_5MHz_QPSK_1_0_LowCH27685-2307.5

Gigment (Bentellan)	Annyymi i Tomas Sa		SERVE		ALIGH WITC	10134 39 AM Nov 26, 201	10.4.63
Center Freq	2.305000000	GHz PNO: Wide -+	120.000	Av	g Type: Log-Pwr	TRACE 1 2 3 4 5 1	Frequency
10 dB/div Re	Auto Tune						
20.0 10.0				2	-		Center Free 2.30500000 GHa
0.00 -10.0 -20.0		-	+	2	~		Start Free 2.304000000 GH:
40 0 60,0 60.0	~~~~~						Stop Free 2.305000000 GH
Start 2.30400 #Res BW 51		#VBV	/ 150 kHz	-		Stop 2.306000 GHz 1.000 ms (1001 pts)	
N 1 7 2 3 4	2,30	5.000 GHz	-21.01 dBm		FUNCTION WIDTH	PIMILITION VALUE	FreqOffse
5 6 7 8 9 10							
int i i				1	STATE	s	

Band30 5MHz QPSK 25 0 LowCH27685-2307.5

a games i ga	An any state	11-154			-					10 4 23
Center F	req 2.30	5000000 G	Hz PNO: Wide	12000	Trig: Free Run		Avg Type: Log-Pwr		1 2 3 4 5 6 A NNNN	Frequency
Ref Offset 14.1 dB Mkr1 2.305 000 GHz 10 dB/div Ref 30.00 dBm -26.59 dBm										Auto Tun
30.0 19.0			-		_					Center Free 2.305000000 GH
0.00 -10'0 -20:0					-					Start Free 2.304000000 GH
40 0 40 0 50,0										Stop Free 2.306000000 GH
Start 2.30 #Res BW	51 kHz	łz	#VB	N 150 KHz				top 2.306	1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 2 3 4 5 6 6 7 8 9 9 10 11	T		000 GHz	-26.59 dBr						Freq Offse 0H
, सहद्							57ATH			

Band30 5MHz QPSK 25 0 HighCH27735-2312.5

SERVICE INT			10 4 23						
Ex	Avg Type: Log-Pwr	10135138 4M feav 26, 2018 TRACE 1 2 3 4 5 6	Frequency						
#Atten: 30 dB			Auto Tune						
Ref Offset 14.1 dB Mkr1 2.315 000 GHz 10 dB/div Ref 30.00 dBm -26.34 dBm									
			Center Free						
			2.315000000 GHz						
1			Start Fred 2.314000000 GHz						
			Stop Freq						
			2.316000000 GHz						
150 kHz	Sweep 1	Stop 2.316000 GHz .000 ms (1001 pts)	CF Step 200.000 kH						
	ICTION FUNCTION WOTH	PARIETION VALUE	Auto Mar						
320.34 dam			Freq Offset 0 Hs						
-	statu	, All							
	1 150 kHz	After: 30 dB Mkr1	Trig: Free Run Trig: Animative Akten: 30 dB Mkr1 2.315 000 GHz -26.34 dBm -26.34 dBm 1 -300 de 1						

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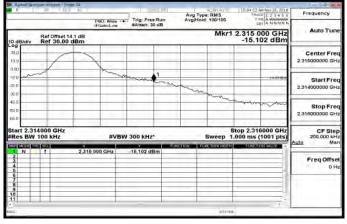
Band30_10MHz_QPSK_1_0_LowCH27710-2310

10.4			ALIGN WITC					134	iyani i Sime	- Ann	an illust	0.91
Frequency	123456	10:03:38 AM Nov 26, 2018 TRACE 1 2 3 4 5 6		Avg Typ	Run	Tax a	NO: Wide	K I	1.902	10	-	R
Auto Tun	ANNNNN	-		-		#Atten: 30	Galin:Low	ů,				_
	00 GHz 29 dBm	Ref Officet 14.1 dB Mkr1 2.305 000 GHz 10 dB/div Ref 30.00 dBm15.29 dBm										
Center Fre		5	- 1		-	_	-	-		-	1	30,0
2.305000000 GH		1	1		1	-						10.0
	my			about	1	^2						0.00
Start Fre 2.304000000 GH					V T V	and has	~	_	_			0.0
And A second second	-						por a	- Calo		-	-	0.0
Stop Free							-		- cho	N.A.	~	0.0
2.306000000 GH			_									0.0
CF Ste	5000 GHz 1001 pts)			-		300 kHz	#VB	-		1000 100 k		
Auto Ma	Revenue -		CHONINGTON		PUN	JUO KIIZ	#0.51	×	112		THE REAL	_
					3m 3m	-15,29 dE -13,91 dE	0 GHz	2.305 00		1		
Freq Offse	_								_			4
	1			-	-		-				+	5 6 7
	_			-	_				_		+	8 9
				-	_		-		_		1	0
						-						
		1-	STATUS							_	-	1.1

Band30_10MHz_QPSK_50_0_HighCH27710-2310

agamer 79	num Annyat i Tr			A		10 4 63
Center Fi	reg 2.3150	000000 GHz	Trig: Free Run	Avg Type: Log-Pwr	10:04:41 AM NOV 25, 2018 TRACE 1 2 3 4 5 6 THE A WWWWWW DET A NNNNN	Frequency
10 dB/div	Auto Tuni					
20,0 10.0	Ref 30.00					Center Fre 2.315000000 GH
0.00						Start Fre 2.314000000 GH
-40.0 -60.0						Stop Fre 2.316000000 GH
Start 2.31 #Res BW		#VE	SW 300 kHz		Stop 2.316000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 2 3 4 5 6	1	2.315 000 GHz	-25.35 dBm			Freq Offse 0 H
7 8 9 10 11						1
455				STATU		1

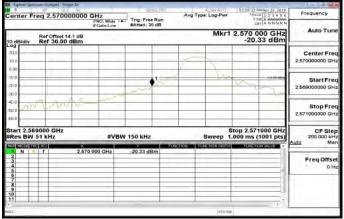
Band30_10MHz_QPSK_1_49_HighCH27710-2310



Band30 10MHz QPSK 50 0 LowCH27710-2310

10 4 23						Trongs Sa	- Annyat	· Personal Person	Assess of	- 0
Frequency	10:84:28 44 Nov 26, 2018 TRACE 1 2 3 4 5 6 THE A WWWWW	Type: Log-Pwr	Avg	Trig: Free Run	PNO: Wide	5000000 0	eq 2.30	Fre	nter	Cer
Auto Tun	In Calinition and Barteen 30 dB Est Communication and Barteen 20 dB Ref Offset 14.1 dB Mkr1 2.305 dB - 22.77 dBm - 22.77 dBm									
Center Free 2.305000000 GH			_			_	_	_	1	39.0 10 0
Start Free 2.304000000 GH	-1000 (68			•1						10.00
Stop Free 2.306000000 GH									-	40 0
CF Step 200.000 kH Auto Mai	op 2.306000 GHz 00 ms (1001 pts)	Sweep 1		300 kHz	#VBV		000 GH	W 1	S BI	#Re
Freq Offse	PLANE I STOVALISE			-22.77 dBm	000 GHz	2,305	1	1	N	234
										5 6 7 8 9 10 11
		STATUS								usia i

Band38_5MHz_QPSK_1_0_LowCH37775-2572.5



Band38 5MHz QPSK 1 24 HighCH38225-2617.5

R 8.	req 2.620	000000 GH	lz NO: Wide → Gain:Low	Trig: Free Ri #Atten: 30 d	A		Ligh with Log-Pwr	TRA	PMNov 26, 2018 CIE 1 2 3 4 5 6 A WWWWW 2T A NNNNN	Frequency
Ref Offset 14.1 dB Mkr1 2.620 000 GHz 10 daudio Ref 30.00 dBm -21.72 dBm										Auto Tuni
30,0 10.0	_	1	2							Center Free 2.620000000 GH
0.00	and a	1		- Ut				-		Start Fre 2.619000000 GH
40 0 40 0 50,0						m	IN No.		More	Stop Free 2.621000000 GH
Res BW		×		150 kHz	PUNCTION	_	weep 1	000 ms	1000 GHz (1001 pts)	CF Stej 200.000 kH Auto Ma
1 N N 3 4 5	1	2,620,00	0 GHz	-21.72 dBm						Freq Offse 0 H
5 6 7 8 9 10										
* 450							STATUS		· ·	

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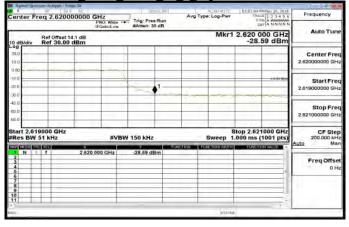
Band38 5MHz QPSK 25 0 LowCH37775-2572.5

	n nyyn) i Terma Sa	I started	ALIMINATO		10 4 63
Center Freq 2	2.570000000 GHz PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	03:00 35 PM Nov 26, 2038 TRACE 1 2 3 4 5 6 TRACE A WWWWW	Frequency
	iFGain:Lov Offset 14.1 dB f 30.00 dBm	#Atten: 30 dB	Mkr1	2.570 000 GHz -29.61 dBm	Auto Tune
20,0 10:0					Center Free 2.570000000 GH
10.00 -10'0 -20 0		•1		estinge	Start Fre 2.569000000 GH
-40.0 -60.0		~~~~~			Stop Fre 2.571000000 GH
Start 2.569000 #Res BW 51 k	Hz #V	BW 150 kHz	Sweep 1	Stop 2.571000 GHz .000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma
1 N 1 1 2 3 4	2,570 000 GHz	-29,61 dBm			Freq Offse 0 H
5 6 7 8 9 10 11					
iess :			STATU		

Band38_10MHz_QPSK_1_49_HighCH38200-2615

Aufent (petroper Anaryze) / Souge Sa			ALIGH AUTO	02:44:19 PMNov 26, 2018	Frequency	
	NO: Wide Trig: Pr FGain:Low #Atten:	ee Run	Avg Type: Log-Pwr	TRACE 123456 TIME A WWWWW	Frequency	
Ref Offset 14.1 dB	Auto Tune					
					Center Free 2.62000000 GH	
0.00 -10.0	maps approved	1. 2 ²	N.		Start Free 2.619000000 GH	
-20.0 -40.0 -60.0 -60.0			- Andrews	Manage 1	Stop Free 2.621000000 GH	
Start 2.619000 GHz Res BW 100 kHz	#VBW 300 kH			Stop 2.621000 GHz 1.000 ms (1001 pts)	CF Ste 200.000 kH Auto Ma	
1 N 1 1 2.620 00 2 N 1 1 2.620 00 3 4 5 6	00 GHz -14.30 c 84 GHz -14.39 c	Bm			Freq Offse 0 H	
6 7 8 9 10 11						
, , , , , , , , , , , , , , , , , , ,			57ATE	a)		

Band38_5MHz_QPSK_25_0_HighCH38225-2617.5



Band38 10MHz QPSK 1 0 LowCH37800-2575

Frequency	02:43:46 PMNov 26, 2018 TRACE 1 2 3 4 5 6	g Type: Log-Pwr	ie.101	SEUS		BC .	200	10		R.
	TITE A WWWWWW	g type: Log-Pwr		Trig: Free	O: Wide +	0000 GH	.570000	req 2	ter	ent
Auto Tun	2.570 000 GHz	Allend	dB	BAtten: 30	Salin:Low					_
	-16.80 dBm	MIKIT				Bm	30.00 d	Ref C	Jdiv	IO dE
Center Fre			_		_				1	.0g
2.570000000 GH	~	-			-		-	-		ta a
		-					-	-	-	0.00
StartFre	and the second		100	+			-	-	-	10.0
2.569000000 GH		- ¥-	1	WEITT	1-2-1		_			20.0
			-		W.	INV	A A	n		40.0
Stop Fre- 2,571000000 GH		_			1	and a	That h	- my h	26	50,0
2.571000000 GH					-	-	-	-	-	60.D
CF Ster	top 2.571000 GHz	S	_			_		69000		
200.000 kH Auto Ma	.000 ms (1001 pts)	Sweep 1.	_	/ 300 kHz	#VBI		Hz	100 k	SBN	Res
rinte tra	FUNCTION VALUE	FUNCTION WIDTH	PONC	-16.80 dBr	GHz	2,570 000				100
Freq Offse									-	234
OH		-			-	_			-	4
		-	-		-				-	6
1.			-							8
		-					-			5 6 7 8 9 10
	2.1			-						
	1	574118						_	_	\$G

Band38 10MHz QPSK 50 0 LowCH37800-2575

a and the state	(Income days and provide a line of the	ngt (A				10 4 63
Center F	req 2.5700	000000 GHz PNO: Wide -	Trig: Free Run	Avg Type: Log-Pwr	02:46:17 PMNov 26, 2028 TRACE 1:2:3:4:5:6 TITE A NNNNN	Frequency
10 dB/div	Ref Offset		#Atten: 30 dB	Mkr1	2.570 000 GHz -29.15 dBm	Auto Tune
20,0 10.0	_					Center Free 2.570000000 GH;
0.00 -100 -200 -200			• ¹	acont		Start Fred 2.56900000 GHz
40.0						Stop Free 2.571000000 GH
Start 2.50 #Res BW		#VB	W 300 KHz		Stop 2.571000 GHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 3 4		2,570.000 GHz	-29.15 dBm			Freq Offse 0 Ha
5 6 7 8 9 10 11						-
(USG)				STATU		

Band38 10MHz QPSK 50 0 HighCH38200-2615

10 4 6			-				_	14	100011	0	and the	a 1
Frequency	PMN0/25,2028 CF 1 2 3 4 5 6 FE A WWWWW TA NNNNN		ALIM AUTO 02:46:50 PMMo Avg Type: Log-Pwr TRACE			Z D: Wide	0000 GH	62000	req 2	ter F	Cen	
Auto Tun				-	30 dE	#Atten: 3	ainti.ow	iFC		-	_	_
Auto Tun	000 GHz .07 dBm	2.620 (Mkr1						mset 14. 30.00 d		BJdiv	10 di
Center Fre			-	-	-			_		-		30,0
2.62000000 GH			-	-	1		-					10.00
StartFre						_	_	and the			-	-10.0
2.619000000 GH			-		1	Inner St	W-MAN	-			-	-20-0
	M				1							-30.0
Stop Fre 2.621000000 GH				-	-		_		_	-	_	50,0
				-								-60.0
CF Ste 200.000 kH	(1000 GHz (1001 pts)	Stop 2.62	Sweep 1			300 kHz	#VBW			9000 100 k		
Auto Ma	IONWALUE -	PARKET	FUNCTION MOTH	DUNCTO		X	-	×	_		N	1000
Freq Offse		-		_	15m	-29.07 d	GHE	2,620.00	-	11	N	23
OH	-		-	_	-							4
				_	-						+	56789
				_	-		-		_	-	-	10
	· · ·	-			_	-			_	1.1	_	11
		P	STATUS								_	455

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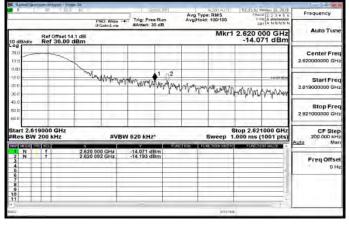
Band38 15MHz QPSK 1 0 LowCH37825-2577.5

Ref Offset 14.1 dB	D: Wide +++ ain:Low #Atten: 30 r	Avg Type: Avg Hold:	RMS T	PACE 1 2 3 4 5 6 THE A WWWWWW DET A NNNNN	Frequency
Ref Offset 14.1 dB					
				DETIA NANAA N	
O dBJdiv Ref 30.00 dBm			Mkr1 2.570 -20	000 GHz 827 dBm	Auto Tuni
20.0			/		Center Free 2.570000000 GH
1.00	A33		ww		
200 mm Anno MANAM	Mill and provide the state	Anna manual market			Start Free 2.569000000 GH
40.0					Stop Fre
60.0	_			-	2.571000000 GH
Start 2.569000 GHz #Res BW 200 kHz	#VBW 620 kHz*	s		571000 GHz s (1001 pts)	CF Stel 200.000 kH
NATION TROUBLES SILL		FUNCTION	TICH WIDTH FUN		Auto Ma
N f 2,570 000 2 N f 2,569 994 3 N f 2,569 962 4 5	GHz -14.502 dBr	0			Freq Offse
6 7 8					
9 10 11					
* 85			STATUS		

Band38 15MHz QPSK 75 0 HighCH38175-2612.5

enter Freq 2.620000000 GHz	Trig: Free Run	Aug Type: Log-Pwr	02:33:41 PMNov 26, 2018 TRACE 1:2:3:4:5:6 TITLE A WWWWW CETTA NNNNN	Frequency				
Ref Offset 14.1 dB 0 dB/div Ref 30.00 dBm	#Atten: 30 dB	Mkr1 2.620 000 GHz -29.40 dBm						
				Center Fre				
0.00			4000164	Start Fre				
an and an	auran	- marine		2.619000000 GH				
40 0 50,0				Stop Fre 2.621000000 GH				
600 Start 2,619000 GHz Res BW 200 kHz #VBV	/ 620 kHz		top 2.621000 GHz 000 ms (1001 pts)	CF Ste 200.000 kF				
N 1 7 2.620 000 GHz	-29.40 dBm	NETION FUNCTION WOTH	PLANETICN WALKE	Auto Ma				
2 3 4 5				Freq Offs				
6 7 8 9								
10								

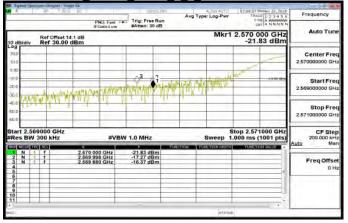
Band38_15MHz_QPSK_1_74_HighCH38175-2612.5



Band38 15MHz QPSK 75 0 LowCH37825-2577.5

0.4.63							1.54	Alignet Simple	- Ans	O THEFT	Agenet
Frequency	PMNov 26, 2018	TRA	ype: Log-Pwr	Avs	Trig: Free Run	Z O:Wide ++	0000 GH	57000	eq 2.	Fr Fr	ente
Auto Tune	000 GHz	If GaintLow SATION: 30 dB CET (A WINH) Ref Office 1: 1 dB Mkr1 2.570 000 GH 10 dBidiv Ref 30.00 dBm -30.46 dBn									
Center Free 2.570000000 GH;											0,0 0.0
Start Free 2.569000000 GH	roman	-	a draw	a. change	1.2.4						00
Stop Free 2.571000000 GH		-			Source in a second of the	Priswe fre	week.	tr	vela.	~	0.0
CF Step 200.000 kH Auto Mar	1000 GHz (1001 pts)	1.000 ms	Sweep		520 kHz	#VBW			9000 200 k		Res E
Freq Offse 0 H					-30.46 dBm	GHz	2.570.00		1	1	1 N 2 3
						-					5 6 7 8 9 0
	1	-							1.1	-	1

Band38_20MHz_QPSK_1_0_LowCH37850-2580



Band38 20MHz QPSK 1 99 HighCH38150-2610

10 4 63			-				Anayati i Soo	-	and in	a.,
Frequency	02:09:55 PMNov 26, 2018 TRACE 1 2 3 4 5 6 TITLE A WWWWW DET A NNNN N	vg Type: Log-Pwr		Trig: Pree Ru	NO: Fast		8 1 50 3			R R
1.1.200	DET A NNNNN		3	#Atten: 30 di	Gain:Low	0				
Auto Tune	2.620 000 GHz -18.91 dBm	Mkr1			-		of Offset 1.		BJdiv	10 d
Center Freq 2.62000000 GHz			_				_	1	-	38.0 10.0
Start Freq 2.61900000 GHz	entrices	MATANAMA	2	WAYNA	THAN THE	MAN AND	200	_		10.00 -10.0 -20.0
Stop Freq 2.621000000 GHz	A MALA SALANDA	c. Tadd ywl dwd	1	10 - 991 - 1						40.0
CF Step 200.000 kH; Auto Mar	top 2.621000 GHz 000 ms (1001 pts)	Sweep 1		1.0 MHz	#VBW	×	0 GHz kHz	300		#Re
Freq Offse 0 Hz				-18.91 dBm -14.08 dBm	28 GHz	2,620 00		1		1234
										5 6 7 8 9 10
		STATUS						-		* #50

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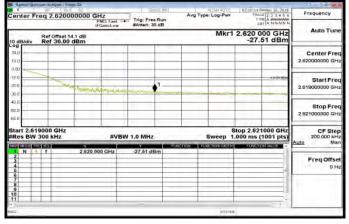
Band38_20MHz_QPSK_100_0_LowCH37850-2580

against The	(Income days and page 1	Single Sk					-			10 4 63
Center F	req 2.57	0000000 GH	HZ	124.4	Run	Avg Typ	ALIGH MUTC	02:09:55 TRA	PMNov 26, 2028	Frequency
10 dB/div	Ref Offse Ref 30.1	iF t 14.1 dB	Gain:Low	#Atten: 30	dB		Mkr1	2.570	000 GHz 32 dBm	Auto Tune
20,0 10.0			-			-				Center Free 2.570000000 GH
-10.0					1-	A	anna Mal	and the second s		Start Free 2.569000000 GH2
-40.0 -60.0										Stop Free 2.571000000 GH
Start 2.50 #Res BW		2	#VB	W 1.0 MHz		NCTION FUI	Sweep 1	.000 ms	1000 GHz (1001 pts)	CF Stej 200.000 kH Auto Ma
N 2 3 4 5 6 7 8 9 10		2,570.00	00 GHz	-28.32 dB						Freq Offse 0 H
9 10 11							stàtu			

Band41_5MHz_QPSK_1_24_HighCH41565-2687.5

Gigmon (ge	Comman Ali Briggert (Son	NET SA						10 4 1
Center F	req 2.6900	00000 GHz	ido Trig: Pres		ALIGN NUTO	03155153 P	1 2 3 4 5 6 A NNNN N	Frequency
10 dB/div	Ref Offset 1 Ref 30.00	iFGain:L			Mkr1	2.690 0		Auto Tur
20,0 10.0	Rei 30.00		~					Center Fre 2.69000000 GH
0.00	and		1					Start Fre 2.689000000 Gi
30.0 40.0 50.0					-lah	- Vie	tre	Stop Fre 2.691000000 GR
Start 2.68 Res BW		*	VBW 150 KHz	PONGT LOU		Stop 2.691 .000 ms (1001 pts)	CF Ste 200.000 kit Auto M
1 N 2 3 4 5 6	ſ	2,690 000 GH	z -22.04 dE					Freq Offs 0)
7 8 9 10								
* 140					STATU			

Band38_20MHz_QPSK_100_0_HighCH38150-2610



Band41 5MHz QPSK 1 0 LowCH39675-2498.5

against (personal departer)	Singpt Sa				0 4 63
Center Freq 2.490	5000000 GHz PNO: Wide ++	Trig: Free Run	Addr Matc Avg Type: Log-Pwr	03:55:33 PMNov 26, 2018 TRACE 1 2 3 4 5 6 TRACE A WWWWW	Frequency
10 dB/div Ref 30.0	Auto Tune				
30.0 10.0			~~~~		Center Free 2.496000000 GH
0.00 10:0 20:0 30:0		1000	it in	The same	Start Free 2.495000000 GH
40.0 50.0 50.0	her the the				Stop Free 2.497000000 GH
Start 2.495000 GHz Res BW 51 kHz	#VBW	150 kHz	Sweep 1	Stop 2.497000 GHz .000 ms (1001 pts)	CF Step 200.000 kH
N F 1 N F 2 3 - 3 - - 4 - - 5 - - 6 - - 7 - - 9 - - 10 - -	2,496 000 GHz	-23.57 dBm		PARK TER VALME	Freq Offse 0H
9 10 11			STATE		1

Band41 5MHz QPSK 25 0 LowCH39675-2498.5

agant gentum	An any state of Termine	54				10.4 43
Center Free	q 2.496000	0000 GHz	Trig: Free Run	ALIM NUTC Avg Type: Log-Pwr	03:56:14 PMNov. 26, 2018 TRACE 1 2 3 4 5 6 TRACE A WWWWWW DET A NN NN N	Frequency
10 dB/div	Ref Offset 14.1 Ref 30.00 di	IFGain:Low	#Atten: 30 dB	Mkr1	2.496 000 GHz -23.86 dBm	Auto Tune
20.0 10.0						Center Free 2.496000000 GH
-10.0			e-		entinges	Start Fred 2.496000000 GHz
40 0 40 0 60 0						Stop Free 2.497000000 GH
Start 2.4950 #Res BW 51	kHz	#VBA	V 150 KHz		Stop 2.497000 GHz 1.000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 1	1	2,496 000 GHz	-23.86 dBm			Freq Offse 0 H
2 4 5 6 7 8 9 9 10 11						
ieso)				STATE		

Band41 5MHz QPSK 25 0 HighCH41565-2687.5

R	reg 2.6900	00000 GHz PNO: Wide - FGaint ow	Trig: Free Run BAtten: 30 dB	ALIMI WITC Avg Type: Log-Pwr	03/56/33 PM/Nov 26, 2018 TRACE 1 2 3 4 5 6 Trace 1 2 3 4 5 6 Trace A NN NN N	Frequency
10 dB/div	Ref Offset 1 Ref 30.00	4.1 dB		Mkr1	2.690 000 GHz -28.50 dBm	Auto Tune
20,0 10.0						Center Free 2.69000000 GH;
0.00 -10.0 -20.0			- not			Start Free 2.689000000 GH
40.0 60.0						Stop Free 2.691000000 GH
Res BW	10 10 10 10 10 10 10 10 10 10 10 10 10 1	*		Sweep 1	Stop 2.691000 GHz .000 ms (1001 pts)	CF Step 200.000 kH Auto Mar
1 N 2 3 4 5 6	1	2,690 000 GHz	-28.50 dBm			Freq Offse 0 H
5 6 7 8 9 10 11						-
. स्रद				STATU		

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