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OUT OF BAND EMISSION AT ANTENNA TERMINALS 3

Refer to next pages.

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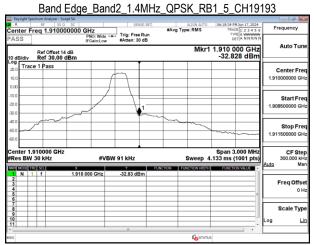
SGS Taiwan Ltd. No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

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SG

Band Edge Band2_1.4MHz_QPSK_RB1_0_CH18607

	ectrum Analyzer - Swept SA		_			
Center Fr	RF 50 0 DC req 1.85000000		SENSE:INT	#Avg Type: RM	S TRACE 1 2 3 4 5	Frequency
PASS	Ref Offset 14 dB Ref 30.00 dBm	PNO: Wide	#Atten: 30 dB	N	TYPE A NNNN Det A NNNN Ikr1 1.850 000 GHz -29.758 dBn	Auto Tune
20.0 Trace	e 1 Pass			~		Center Fred 1.850000000 GHz
-10.0 -20.0 -30.0			/			Start Free 1.848500000 GH
-40.0 -50.0 -60.0	m	~~~~			- Marine Contraction	Stop Free 1.851500000 GH
Center 1.8 #Res BW		#VBW	91 kHz	Swee	Span 3.000 MH ep 4.133 ms (1001 pts worth Function value	Z CF Stej 300.000 kH Auto Ma
1 N 1 2 3 4 5 6	f 1.8	50 000 GHz	-29.76 dBm			Freq Offse 0 H
0 7 8 9						Scale Typ
11 ×			π.		STATUS	



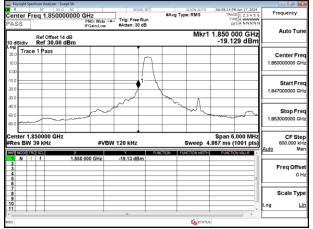
Band Edge_Band2_1.4MHz_QPSK_RB6_0_CH18607

Keysight Spectrum Anal					
Center Freq 1.8	50 0 DC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	06:15:23 PM Jun 17, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWW	
10 dB/div Ref 3	PNO: Wide H IFGain:Low fset 14 dB 0.00 dBm	#Atten: 30 dB	Mkr1	1.850 000 GHz -32.646 dBm	Auto Tune
20.0 Trace 1 Pas	S				Center Freq 1.850000000 GHz
-10.0		/			Start Freq 1.848500000 GHz
-50.0 -60.0					Stop Freq 1.851500000 GHz
Center 1.850000 #Res BW 30 kHz	#VB\		Sweep 4	Span 3.000 MHz .133 ms (1001 pts) FUNCTIONWAUE	CF Step 300.000 kHz Auto Man
1 N 1 f 2 3 4 5 6	1.850 000 GHz	-32.65 dBm		E	Freq Offset 0 Hz
6 7 8 9 10 11					Scale Type
MSG			STATUS	3	

RF 58 Ω DC ter Freq 1.910000000 GHz Trig: Free Run PNO: Wide #Atten: 30 dB Frequency Auto Tu Mkr1 1.910 000 GHz Ref Offset 14 di Ref 30.00 dB 34.538 dBr Trace 1 Pass Center Fre Start Fre Stop Fre er 1.9100 CF Step Span 3.000 ep 4.133 ms (100 #VBW 91 kH 1.910 000 G Freq Offs 01 Scale Typ Lit

Band Edge Band2 1.4MHz QPSK RB6 0 CH19193

Band Edge Band2 3MHz QPSK RB1 0 CH18615



Band Edge_Band2_3MHz_QPSK_RB1_14_CH19185

				_				Analyzer - Swe		ysight Sp	
Frequency	4 Jun 17, 2024 E 1 2 3 4 5 6	TRAC	ALIGN AUTO ype: RMS	#Avg	SENSE	łz	0000 GH		RF req	ter F	Cer
Auto Tune	00 GHz	1.910 0	Mkr1	1	Trig: Free Ri #Atten: 30 d	¥O: Wide ↔ Sain:Low	PN IFC	Offset 14	Ref	S	PAS
Center Freq 1.91000000 GHz		-10.0			\cap		IBM	f 30.00 d 'ass	ке e1P	B/div Trac	20.0 10.0
Start Freq 1.907000000 GHz											0.00 -10.0 -20.0 -30.0
Stop Freq 1.913000000 GHz	J. Mariana	an the		- M. M		Aur Car	m	, show	~~		-40.0 -50.0 -60.0
CF Step 600.000 kHz Auto Mar	.000 MHz 1001 pts)	.867 ms (Sweep 4	EUNCTION	120 kHz		×		39 k	s BW	#Re
Freq Offset 0 Hz	E				-18.56 dBm	0 GHz	1.910 000		1	N 1	1 2 3 4 5 6
Scale Type	=								+	-	5 7 8 9
Log <u>Lin</u>											10 11
	,		STATUS		11				_		۲ 📄

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SG

Band Edge Band2 3MHz QPSK RB15 0 CH18615

Keysight S	pectrum Analyzer - Swept SA	<u>u</u> _		_	_				
Center i	RF 50 Ω DC Freq 1.85000000	0 GHz	SENSE:INT	#Avg Typ	ALIGN AUTO e: RMS	TRAC	E 1 2 3 4 5 6	F	requency
PASS	Ref Offset 14 dB Ref 30.00 dBm	PNO: Wide •• IFGain:Low	#Atten: 30 dB		Mkr1	1.850 O	ANNNN		Auto Tune
20.0 Tra	ce 1 Pass								Center Free 0000000 GH
-10.0								1.84	Start Fre 7000000 GH
-40.0 -50.0 -60.0								1.85	Stop Fre 3000000 GH
	.850000 GHz V 39 kHz	#VBV	/ 120 kHz	FUNCTION FUN		Span 6. .867 ms (*	. ,	Auto	CF Ste 600.000 kH Ma
		50 000 GHz	-28.05 dBm			Policine	E		FreqOffs 0⊦
7 8 9 10									Scale Typ
11								Log	Li
MSG					STATUS		,		

	Danu Luge				100
	rum Analyzer - Swept SA				
R Center Fre	RF 50 Q DC eq 1.910000000 G	HZ NO: Wide Trig: Free Ru	#Avg Type: RMS	06:12:22 PM Jun 17, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS	F	FGain:Low #Atten: 30 dB		DETANNNN	Auto Tune
10 dB/div	Ref Offset 14 dB Ref 30.00 dBm		Mkr	1.910 000 GHz -25.470 dBm	Auto Tune
20.0 Trace	1 Pass				Center Free
10.0					1.91000000 GH
-10.0					
-20.0		1			Start Fre 1.907000000 GH
-30.0		+			
-40.0			Service Servic		Stop Fre
-60.0					1.913000000 GH
Center 1.91				Span 6.000 MHz	CF Ste
#Res BW 3	9 kHz	#VBW 120 kHz	Sweep 4	1.867 ms (1001 pts)	600.000 kH Auto Mar
MRR MODE TRO	SCL X 1 1.910 0	00 GHz -25.47 dBm	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	
2 3					Freq Offse
4 5 6				E	0 H
7 8					Scale Typ
9					Log Li
11					
MSG			STATU		

Rand Edge Rand? 3MHz OPSK RR15 0 CH10185

Band Edge_Band2_5MHz_QPSK_RB1_0_CH18625

Keysight Spectrum Analyzer - Swe			
Center Freq 1.85000	0000 GHz	ALIGN AUTO 06:01:45 PM Jun 17, 2024 #Avg Type: RMS TRACE 1 2 3 4 5 6 TYPEIA WWWWW	Frequency
PASS Ref Offset 14 10 dB/div Ref 30.00 d	IFGain:Low #Atten: 30 dB	Mkr1 1.850 00 GHz -23.654 dBm	Auto Tune
20.0 10.0 0.00			Center Freq 1.850000000 GHz
-10.0			Start Freq 1.845000000 GHz
-40.0 -60.0		Mark and the second	Stop Freq 1.855000000 GHz
Center 1.850000 GHz #Res BW 51 kHz		Span 10.00 MHz Sweep 4.733 ms (1001 pts)	CF Step 1.000000 MHz Auto Man
1 N 1 f 2 3 4 5 6	1.850 00 GHz -23.65 dBm	=	Freq Offset 0 Hz
7 8 9 10 11			Scale Type
MSG		STATUS	

er Freq 1.910000000 GHz PNO: Wide ----- Trig: Free Run PNO: Wide ----- Trig: Free Run #Ave Type: RM Frequency Auto Tu Mkr1 1.910 00 GHz -21.767 dBm Ref Offset 14 di Ref 30.00 dB Trace 1 Pass Center Fre Start Fre Stop Fre CF Step Span 10.00 4.733 ms (100 160 kH 1.910 00 G -21.77 c Freq Offs 01 Scale Typ Lit

Band Edge Band2 5MHz QPSK RB1 24 CH19175

Band Edge_Band2_5MHz_QPSK_RB25_0_CH18625

Keysight Spectrum Analyzer - Swept SA				
R RF 50 Ω DC) GHz	SE:INT ALIGN AUTO #Avg Type: RMS	TRACE 1 2 3 4 5 6	Frequency
PASS Ref Offset 14 dB	PNO: Wide Trig: Free IFGain:Low #Atten: 30	dB	r1 1.850 00 GHz -30.775 dBm	Auto Tune
20.0 Trace 1 Pass		para and a second a		Center Freq 1.85000000 GHz
-10.0		,1		Start Free 1.845000000 GH
40.0				Stop Free 1.855000000 GH
Center 1.850000 GHz #Res BW 51 kHz	#VBW 160 kHz	FUNCTION FUNCTION WDT	Span 10.00 MHz 4.733 ms (1001 pts)	CF Ste 1.000000 MH Auto Ma
2 3 4 5	850 00 GHz -30.78 dB	m		Freq Offse 0 H
6 7 8 9				Scale Typ
10 11				Log <u>Lir</u>
4 MSG		STAT	vs	

Band Edge_Band2_5MHz_QPSK_RB25_0_CH19175

Keysight Sp	ectrum Analyzer - Swept						(a) (d) 💌
	RF 50 Ω	000 GHz	SENSE:	#Avg	ALIGN AUTO Type: RMS	06:05:49 PM Jun 17, 2024 TRACE 1 2 3 4 5 1	Frequency
PASS	Ref Offset 14 d Ref 30.00 dE		#Atten: 30 dB		Mkr	1 1.910 00 GHz -30.031 dBm	Auto Tune
Log Trac 20.0 10.0	ce 1 Pass						Center Freq 1.910000000 GHz
-10.0							Start Freq 1.905000000 GHz
-40.0 -50.0 -60.0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Stop Freq 1.915000000 GHz
#Res BW	RC SCL	X	3W 160 kHz	FUNCTION	Sweep 4	Span 10.00 MHz 733 ms (1001 pts) FUNCHION VALUE	CF Step 1.000000 MH: Auto Mar
1 N 2 3 4 5	1 1	1.910 00 GHz	-30.03 dBm				Freq Offsel 0 Ha
6 7 8 9 10							Scale Type
11							Log <u>Lin</u>
MSG					K STATUS		

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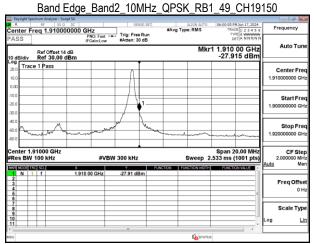
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SG:

Band Edge Band2_10MHz_QPSK_RB1_0_CH18650

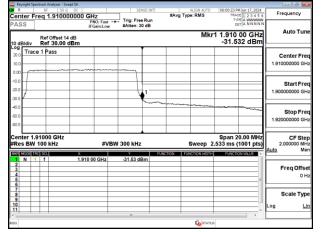
Keysight Spectrum Analyzer - Swept SA	<u> </u>			
R RF 50 0 DC Center Freq 1.850000000	0 GHz	#Avg Type: RMS	05:56:16 PM Jun 17, 2024 TRACE 1 2 3 4 5 6	Frequency
PASS Ref Offset 14 dB 10 dB/div Ref 30.00 dBm	PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB		1 1.850 00 GHz -29.794 dBm	Auto Tune
20.0 Trace 1 Pass				Center Freq 1.85000000 GHz
-10.0	/			Start Fred 1.840000000 GHz
40.0 50.0 60.0	und and and a	handle		Stop Free 1.86000000 GH:
Center 1.85000 GHz #Res BW 100 kHz	#VBW 300 kHz	Sweep 2	Span 20.00 MHz .533 ms (1001 pts) FUNCTIONWAUE	CF Step 2.000000 MH Auto Mar
1 N 1 f 1.1 2	850 00 GHz -29.79 dBm		E	Freq Offse 0 H
7 8 9				Scale Type
10				Log <u>Lin</u>
MSG		To STATUS	5	



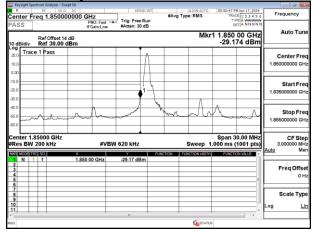
Band Edge_Band2_10MHz_QPSK_RB50_0_CH18650

Keysight Spectrum Analyzer - Swep				
Center Freq 1.85000	0000 GHz	SE:INT ALIGN #Avg Type: RM		Frequency
PASS Ref Offset 14 10 dB/div Ref 30.00 d	IFGain:Low #Atten: 30) dB	Mkr1 1.850 00 GHz -31.975 dBm	Auto Tune
20.0 Trace 1 Pass				Center Freq 1.850000000 GHz
-10.0		j1		Start Free 1.84000000 GHz
-50.0 -60.0				Stop Freq 1.86000000 GHz
Center 1.85000 GHz #Res BW 100 kHz	#VBW 300 kHz	FUNCTION FUNCTION	Span 20.00 MHz ep 2.533 ms (1001 pts) worth functionwalue	
1 N 1 f 2 3 4 5 6	1.850 00 GHz -31.98 dE		i	Freq Offset 0 Hz
7 8 9 10 11				Scale Type
MSG	T	Ŵ	STATUS	

Band Edge Band2 10MHz QPSK RB50 0 CH19150



Band Edge Band2 15MHz QPSK RB1 0 CH18675



Band Edge_Band2_15MHz_QPSK_RB1_74_CH19125

	pectrum Analyzer - Swep					
Center F	RF 50 Q	0000 GHz	SENSE:INT	ALIGN AUTO #Avg Type: RMS	05:54:35 PM Jun 17, 2024 TRACE 1 2 3 4 5 6	Frequency
PASS	Ref Offset 14 c		#Atten: 30 dB	Mkr	1 1.910 00 GHz -28.006 dBm	Auto Tune
10 dB/div 20.0 Trac 10.0	Ref 30.00 dl ce 1 Pass	3m			-28.006 0.811	Center Freq 1.91000000 GHz
-10.0			1			Start Freq 1.895000000 GHz
-40.0 -50.0 -60.0	malur	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			and the second second	Stop Fred 1.925000000 GHz
#Res BW	.91000 GHz / 200 kHz	X		Sweep 1	Span 30.00 MHz .000 ms (1001 pts) FUNCTIONWAUE	CF Step 3.000000 MH Auto Mar
1 N 2 3 4 5 6	1 1	1.910 00 GHz	-28.01 dBm			Freq Offse 0 Hi
7 8 9						Scale Type
10						Log <u>Lin</u>
MSG				STATU:	3	1

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Band Edge Band2 15MHz QPSK RB75 0 CH18675

Keysight S	pectrum Analyzer - Swept SA							0 0 0
Center	RF 50 Ω DC		SENSE:1	#Avg	ALIGN AUTO Type: RMS	05:51:25 PM Ju TRACE 1	23456	Frequency
PASS	Ref Offset 14 dB Ref 30.00 dBm	PNO: Fast •• IFGain:Low	#Atten: 30 dB	n	Mkr	1 1.850 00 -30.087		Auto Tune
20.0 Tra	ice 1 Pass			~~~~				Center Free 1.850000000 GH:
-10.0 -20.0 -30.0			1				ł	Start Free 1.835000000 GH
-40.0 -50.0 -60.0		~~~~~~						Stop Free 1.865000000 GH
	1.85000 GHz V 200 kHz		N 620 kHz	FUNCTION	Sweep 1	Span 30.0 .000 ms (10	01 pts)	CF Step 3.000000 MH <u>Auto</u> Mar
1 N 2 3 4 5 6		.850 00 GHz	-30.09 dBm				_	Freq Offse 0 H
7 8 9 10								Scale Type
11								Log <u>Lir</u>
MSG					to status			I

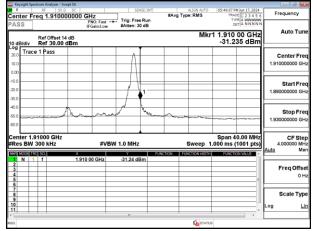
Ber Offset 14 dB MKR1 1.910 00 GHz 0 -26.730 dBm 1.91000000 GH -26.730 dBm 1.925000000 GH -26.730 dBm	120	_0119	15_0	ON_RDI	12_QF	SIVIE	uz_1	e_ball	i Eugi	banu	E		
Enter Freq 1.91000000 GHZ Proc. Fast Trig: Free Run #Avg Type: RMS Proc. Fast Proc. Fast ASS Proc. Fast Trig: Free Run Mkr1 1.910 00 GHZ Auto Tun Ref Offset 14 dB Mkr1 1.910 00 GHZ -26.730 dBm -26.730 dBm Center Fre 00 Trace 1 Pass 1 -26.730 dBm -38.000 GHZ Start Fre 00 Trace 1 Pass 1 -38.000 GHZ -38.0000 GHZ		0M3-++ 17 2024	05-54-520	ALICH AUTO	-	CENCE AL							
ASS Deck NNRNH Beformer 14 dB Mkr1 1.910 00 GHz Oddav -26.730 dBm Storp Fre 1.91000000 dH Storp Fre 1.925000000 dH Oddav -26.730 dBm Oddav	Frequency	ACE 1 2 2 4 5 6	TRA		#A1			GHz					
Ref Offset 14 dB Mkr1 1.910 00 GHz Auto Turn 0 dBildw -28.730 dBm -28.730 dBm -28.730 dBm 00 Trace 1 Pass -28.730 dBm -28.730 dBm -28.730 dBm 00 -28.730 dBm -28.73 dBm		DET A NNNNN	5					PNO: Fast IEGain:Low				SS	A
Grade T Pass Trace T Pass Center Fre 1 1 1 1 00 1 1 1 1 00 1 1 1 1 1 00 1	Auto Tun			Mkr				ii dameda					
Control Contro <ttrb< td=""> Control Control</ttrb<>		730 aBm	-26.7						00 dBm				0 d
191000000 GHz Res BW 200 KHz SVBW 620 KHz Span 30.00 MHz 1000000 GHz SVBW 620 KHz Span 30.00 MHz 110000000 GHz SvBW 620 KHz Span 30.00 MHz 110000000 GHz SvBW 620 KHz Sveep 1.000 ms (1001 pts) 110000000 GHz SvBW 620 KHz Sveep 1.000 ms (1001 pts) 110000000 GHz SvBW 620 KHz Sveep 1.000 ms (1001 pts) 110000000 GHz SvBW 620 KHz Sveep 1.000 ms (1001 pts) 110000000 GHz SvBW 620 KHz Sveep 1.000 ms (1001 pts) 110000000 GHz SvBW 620 KHz Sveep 1.000 ms (1001 pts) 110000000 GHz SvBW 620 KHz Sveep 1.000 ms (1001 pts) 110000000 GHz SvBW 620 KHz Sveep 1.000 ms (1001 pts) 110000000 GHz SvBW 620 KHz Sveep 1.000 ms (1001 pts) 110000000 GHz SvBW 620 KHz Sveep 1.000 ms (1001 pts) 110000000 GHz SvBW 620 KHz Sveep 1.000 ms (1001 pts) 1100000000 GHz SvBW 620 KHz SvBW 620 KHz 11000000000 GHz SvBW 620 KHz SvBW 620 KHz 11000000000000000 GHz SvBW 620 KHz	Center Fre						_	_		Pass	ace 1	Tr	20.0
0 1							_	_					10.0
Image: Second												4	0.00
000 1885000000 GH 000 188500000 GH 000 191000 GHz 800000 GHz Sweep 1.000 ms (1001 pts) 1 191000 GHz 1 191000 GHz <						1	_					4	10.0
00 1,880,000,00 or 00 1,910,00,0Hz 20,000,0Hz Stop Free 00 1,910,00,0Hz 28,73,dBm Anneroon 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,						1						1	20.0
00 00<	1.895000000 GF				man	Y.						ν	30.0
N f 191000 GHz SVMW 620 KHz Sveep 1.000 ms (1001 pt) Auto MMZ SV N f 191000 GHz SVMW 620 KHz Sveep 1.000 ms (1001 pt) Auto MMZ SV N f 191000 GHz SV SVeep 1.000 ms (1001 pt) Auto MMZ SV N f 191000 GHz -26.73 dBm Auto MMZ MX SV SV SV SV SV SV SVERATION SV		~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~									40.0
192600000 GHz 192600000 GHz enter 1.91000 GHz \$VBW 620 kHz Sweep 1.000 ms (1001 pts) Audo Million Audo N 1 1.910 00 GHz Sweep 1.000 ms (1001 pts) N 1 1.910 00 GHz -28.73 dBm N 1.910 00 GHz -28.73 dBm Frequencial N 1.910 00 GHz -28.73 dBm - N 1.910 00 GHz - - N 1.910 00 GHz - - N - - - N - - - - N - - - - N - - - - N - - - - N	Stop Fre	\sim											
N I Store Store </td <td>1.925000000 GH</td> <td>~~~</td> <td></td>	1.925000000 GH	~~~											
Res BW 200 kHz #VBW 620 kHz Sweep 1.000 ms (1001 pts) Adda Adda Adda Note that beet 1													-00.0
Ref Doce Ref Ref Ref Audo Mate N f 1.910.00.0Hz -26.73 dBm Function MoRH Function MoRH Function MoRH Function MoRH Function MoRH Function MoRH Freq Offs 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>z</td> <td></td> <td></td> <td></td> <td></td>									z				
CREWCE RECE X Y AMCRON FUNCTION MOUTH FUNCTION MOU		; (1001 pts)	.000 ms	Sweep 1		Hz	BW 620 I	#VE		0 kHz	W 200	es B	#Re
21	<u>naco</u> ma	TION VALUE	FUNCT	FUNCTION WIDTH	FUNCTION		Y		х				
4						3 dBm	-26.7	10 00 GHz	1.91	1	1 1	N	2
5 6 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7										_			3
7	UF	E											6
										-			7
	Scale Typ									_			8
	Loa Li												10
G Destatus		· ·											11
				STATUS									isa

Rand Edge Rand2 15MHz OPSK RR75 0 CH10125

Band Edge_Band2_20MHz_QPSK_RB1_0_CH18700

🧧 Keysight Spectrum Analyz					
Center Freq 1.8	50000000 GHz	SENSE:INT	#Avg Type: RMS	05:45:17 PM Jun 17, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWW	Frequency
10 dB/div Ref 30	PNO: Fast IFGain:Low	#Atten: 30 dB	Mkr	1 1.850 00 GHz -32.035 dBm	Auto Tune
20.0 Trace 1 Pass					Center Freq 1.850000000 GHz
-10.0					Start Freq 1.830000000 GHz
-40.0 -50.0 -60.0		ward by	mm	A management	Stop Freq 1.87000000 GHz
Center 1.85000 G #Res BW 300 kHz	* #VB		Sweep 1	Span 40.00 MHz .000 ms (1001 pts) FUNCTIONWAUE	CF Step 4.000000 MHz <u>Auto</u> Man
1 N 1 f 2 3 4 5 6	1.850 00 GHz	-32.03 dBm		E	Freq Offset 0 Hz
7 8 9 10 11				·	Scale Type
MSG			K STATUS		

Band Edge Band2 20MHz QPSK RB1 99 CH19100



Band Edge_Band2_20MHz_QPSK_RB100_0_CH18700

	n Analyzer - Swept SA								
	RF 50 Ω DC		SENSE:1		ALIGN AUTO Type: RMS		Jun 17, 2024	F	requency
	1.85000000	PNO: Fast	Trig: Free Ru	n	g Type: RMS	TYP	A WWWWW	-	,
ASS		IFGain:Low	#Atten: 30 dE	3		DE	ANNNN		Auto Tun
R	ef Offset 14 dB				Mkr	1 1.850			Auto Tun
	ef 30.00 dBm					-30.32	4 dBm	<u> </u>	
Trace 1	Pass								Center Fre
									50000000 GH
0.0								1.8	0000000 GF
.00									
0.0		_	+		_		t		Start Fre
0.0			- i i		_	-		1.8	0000000 GH
0.0									
0.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							
0.0									Stop Fre
0.0								1.87	70000000 GH
0.0									
enter 1.850							0.00 MHz		CF Ste
Res BW 30	0 kHz	#VB\	N 1.0 MHz		Sweep 1	1.000 ms (1	001 pts)		4.000000 MH
R MODE TRC S			Y	FUNCTION	FUNCTION WIDTH	FUNCTIO	N VALUE	Auto	Ma
1 N 1 1 2	1.8	850 00 GHz	-30.32 dBm					<u> </u>	
3							_		Freq Offs
5									0 H
6								-	
7									Scale Typ
8								I 1	
								Log	L
0					1				
0	-				-		•		

Band Edge_Band2_20MHz_QPSK_RB100_0_CH19100

	ectrum Analyzer - Su						
R Center F	RF 50 S	00000 GHz	SENSE:IN	#Avg Type:		RACE 1 2 3 4 5 6	Frequency
ASS	Ref Offset 14 Ref 30.00		++ Trig: Free Run #Atten: 30 dB	1	Mkr1 1.91 -24	0 00 GHz	Auto Tune
20.0 Trac	e 1 Pass						Center Free 1.91000000 GH:
10.0 20.0 30.0			1-		~		Start Fre 1.890000000 GH
40.0 50.0 60.0							Stop Fre 1.930000000 GH
	91000 GHz 300 kHz	#V	BW 1.0 MHz		weep 1.000 m	1 40.00 MHz s (1001 pts)	CF Ste 4.000000 MH Auto Ma
1 N 2 3 4 6 6	1 1	1.910 00 GHz	-24.65 dBm			E	Freq Offse 0 H
7 8 9 10							Scale Typ
11			17				
sa					E STATUS		

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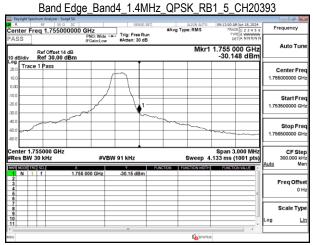
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SG:

Band Edge Band4_1.4MHz QPSK RB1_0 CH19957

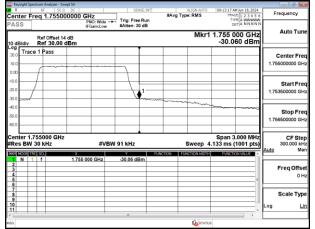
Keysight Spectrum Analyze		_			
Center Freq 1.71	50 Ω DC 10000000 GHz	SENSE:INT	#Avg Type: RMS	09:09:10 AM Jun 18, 2024 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 30	PNO: Wide IFGain:Low set 14 dB .00 dBm	#Atten: 30 dB	Mkr1	1.710 000 GHz -33.671 dBm	Auto Tun
20.0 Trace 1 Pass 10.0			~		Center Fre 1.710000000 GH
-10.0					Start Fre 1.708500000 GH
40.0 50.0 60.0	marman				Stop Fre 1.711500000 GF
Center 1.710000 C #Res BW 30 kHz		BW 91 kHz	Sweep 4	Span 3.000 MHz .133 ms (1001 pts)	CF Ste 300.000 kH Auto Ma
1 N 1 f 2 3 4 5	1.710 000 GHz	-33.67 dBm		E	Freq Offse 0 ⊦
6 7 8 9 10					Scale Typ
11		н		*	Log <u>Li</u>
tSG			K ostatu:	5	



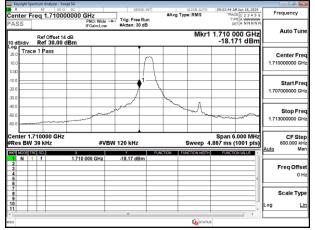
Band Edge_Band4_1.4MHz_QPSK_RB6_0_CH19957

Keysight Spectrum Analyzer - Swept					
Center Freq 1.710000	000 GHz PNO: Wide Trig	SENSE:INT #A	ALIGN AUTO	09:09:48 AM Jun 18, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS Ref Offset 14 d 10 dB/div Ref 30.00 dB	IFGain:Low #Att	en:30 dB	Mkr1	1.710 000 GHz -36.025 dBm	Auto Tune
20.0 Trace 1 Pass				~~~~	Center Freq 1.710000000 GHz
-10.0 -20.0 -30.0					Start Freq 1.708500000 GHz
40.0 -50.0 -80.0					Stop Freq 1.711500000 GHz
Center 1.710000 GHz #Res BW 30 kHz	#VBW 91 k	EUNCTION	Sweep 4	Span 3.000 MHz 133 ms (1001 pts)	CF Step 300.000 kHz Auto Man
1 N 1 f 2 3 4 5 6	1.710 000 GHz -36.	03 dBm		E	Freq Offset 0 Hz
6 7 8 9 10 11					Scale Type
MSG		T	K STATU:	•	

Band Edge Band4 1.4MHz QPSK RB6 0 CH20393



Band Edge Band4 3MHz QPSK RB1 0 CH19965



Band Edge_Band4_3MHz_QPSK_RB1_14_CH20385

Keysight Spectrum Analyzer					
R R Center Freq 1.75	50 Ω DC 5000000 GHz	SENSE:INT	#Avg Type: RMS	09:07:33 AM Jun 18, 2024 TRACE 1 2 3 4 5 6	Frequency
PASS Ref Offse 10 dB/div Ref 30.0		#Atten: 30 dB	Mkr1	1.755 000 GHz -17.445 dBm	Auto Tune
Log 20.0 10.0 0.00					Center Fre 1.755000000 GH
20.0					Start Fre 1.752000000 GH
40.0 50.0 60.0	mar Amaria			~~~~	Stop Fre 1.758000000 GH
Center 1.755000 G Res BW 39 kHz	#VB		Sweep 4	Span 6.000 MHz .867 ms (1001 pts) FUNCTIONVALUE	CF Ste 600.000 kH Auto Ma
1 N 1 f 2 3 4 5 6	1.755 000 GHz	-17.44 dBm			Freq Offs 0 H
7 8 9					Scale Typ
10					Log <u>Li</u>
4 Isg		н.	Ko statu:	5	

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SG

Band Edge Band4 3MHz QPSK RB15 0 CH19965

Keysight S	pectrum Analyzer - Swept SA	<u>u</u> _		-	_				
Center l	RF 50 0 DC	0 GHz	SENSE:INT	#Avg Type	REIGN AUTO	TRAC	HJun 18, 2024	F	requency
PASS	Ref Offset 14 dB Ref 30.00 dBm	PNO: Wide ++ IFGain:Low	#Atten: 30 dB		Mkr1	1.710 0	00 GHz		Auto Tune
20.0 Tra	ce 1 Pass				~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mm		Center Free 0000000 GH
-10.0 -20.0 -30.0			/					1.70	Start Fre
-40.0 -50.0	way way was not							1.71	Stop Fre 3000000 GH
	.710000 GHz V 39 kHz		/ 120 kHz	S		.867 ms (.000 MHz 1001 pts)	Auto	CF Ste 600.000 kH Ma
		710 000 GHz	-25.65 dBm			, cile il	E		Freq Offse 0 H
7 8 9									Scale Typ
10								Log	Lie
MSG					K STATUS		,		

	Band Ec	lge_Ban	d4_3MH	z_QPSK	RB1	5_0_	CH20	385	
Center F	RF 50 Ω DC		SENSE:IN	T #Avg Type	ALIGN AUTO B: RMS	TR	AM Jun 18, 2024 ACE 1 2 3 4 5 6 YPE A WWWWW		requency
PASS	Ref Offset 14 dB Ref 30.00 dBn	IFGain:Low	#Atten: 30 dB		Mkr1	1.755	000 GHz 399 dBm		Auto Tune
20.0 Trac	e 1 Pass	-							Center Free
10.0			1					1.7	Start Fre
40.0 50.0 60.0								1.7	Stop Fre 58000000 GH
Center 1. #Res BW		#VB	W 120 kHz		Sweep 4.	.867 ms	6.000 MHz (1001 pts)	Auto	CF Ste 600.000 kH Ma
1 N 1 2 3 4 5		755 000 GHz	-24.40 dBm						Freq Offse 0 H
6 7 8 9									Scale Typ
10						_		Log	Li
tSG									

Band Edge_Band4_5MHz_QPSK_RB1_0_CH19975

Keysight Spectrum Analyzer - Swept SA			
Center Freq 1.71000000	GHz Trig: Free Run	ALIGN AUTO 08:58:19 AMJun 1 #Avg Type: RMS TRACE 1 2 TYPE A W	3 4 5 6 Frequency
PASS Ref Offset 14 dB 10 dB/div Ref 30.00 dBm	PNO: Wide Trig: Free Run IFGain:Low #Atten: 30 dB	Mkr1 1.710 00 -24.003 c	GHz Auto Tune
20.0 10.0 0.00	Δ		Center Freq 1.710000000 GHz
-10.0	1		Start Freq 1.705000000 GHz
40.0 -50.0 -60.0			Stop Freq 1.715000000 GHz
Center 1.710000 GHz #Res BW 51 kHz		Span 10.00 Sweep 4.733 ms (1001	1.000000 MHz
2 3 4 5	710 00 GHz -24.003 dBm		Freq Offset
6 7 8 9 10 11			Scale Type
MSG		STATUS	,

er Freq 1.755000000 GHz PNO: Wide ----- Trig: Free Run PNO: Wide ----- Trig: Free Run #Ave Type: RM Frequency Auto Tu Mkr1 1.755 00 GHz -23.198 dBm Ref Offset 14 di Ref 30.00 dB Trace 1 Pass Center Fre Start Fre Stop Fre CF Step Span 10.00 4.733 ms (100 1.755 00 0 Freq Offs 01 Scale Typ Lit

Band Edge Band4 5MHz QPSK RB1 24 CH20375

Band Edge Band4 5MHz QPSK RB25 0 CH19975

Keysight Spectrum Analyzer - 5					
R RF 50 Center Freq 1.7100		SENSE:INT	#Avg Type: RMS	08:58:57 AM Jun 18, 2024 TRACE 1 2 3 4 5 6	Frequency
PASS Ref Offset 1 10 dB/div Ref 30.00	PNO: Wide IFGain:Low	#Atten: 30 dB	Mkr	1 1.710 00 GHz -30.716 dBm	Auto Tune
20.0 Trace 1 Pass 10.0 0.00					Center Free 1.710000000 GH
20.0					Start Fre 1.705000000 GH
40.0 50.0 60.0					Stop Fre 1.715000000 GH
Center 1.710000 GH Res BW 51 kHz	#VB		Sweep 4	Span 10.00 MHz .733 ms (1001 pts) FUNCTION VALUE	CF Ste 1.000000 MH Auto Ma
1 N 1 f 2 3 4 5 6 6	1.710 00 GHz	-30.716 dBm		E	Freq Offs 0 F
7 8 9					Scale Typ
11					Log <u>Li</u>
15G			K STATU:	5	I

Band Edge_Band4_5MHz_QPSK_RB25_0_CH20375

Keysight Spectrum Analyzer					
Center Freq 1.755	5000000 GHz	SENSE:INT	ALIGN AUTO #Avg Type: RMS	TRACE 1 2 3 4 5 6	Frequency
PASS Ref Offsel 10 dB/div Ref 30.0	PNO: Wide IFGain:Low t 14 dB	Trig: Free Run #Atten: 30 dB	Mk	r1 1.755 00 GHz -30.515 dBm	Auto Tune
Log 20.0 Trace 1 Pass 10.0 0.00 0.00 0.00 0.00 0.00 0.00 0.00		mananan			Center Fred 1.755000000 GHz
20.0					Start Free 1.750000000 GH:
40.0					Stop Free 1.760000000 GH
Center 1.755000 G Res BW 51 kHz	#V	BW 160 kHz	Sweep	Span 10.00 MHz 4.733 ms (1001 pts)	CF Step 1.000000 MH Auto Ma
1 N 1 f 2 3 4 5 6	1.755 00 GHz	-30.52 dBm			Freq Offse 0 H
7 8 9					Scale Typ
10 11					Log <u>Lir</u>
ASG		2	I stat	us	

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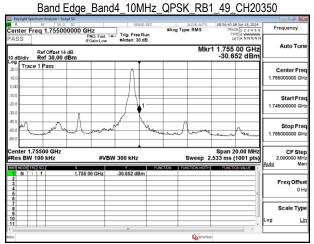
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SG:

Band Edge Band4_10MHz_QPSK_RB1_0_CH20000

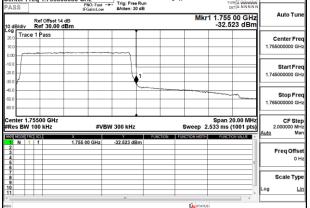
	ectrum Analyzer - Swept SA					- d -
Center F	RF 50 Q DC req 1.71000000	00 GHz	SENSE:INT	#Avg Type: RMS	08:52:53 AM Jun 18, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS 10 dB/div	Ref Offset 14 dB Ref 30.00 dBm	PNO: Fast +++ IFGain:Low	#Atten: 30 dB	Mkr	1 1.710 00 GHz -31.610 dBm	Auto Tune
20.0 Trac	e 1 Pass					Center Freq 1.710000000 GHz
-10.0 -20.0 -30.0						Start Freq 1.700000000 GHz
-40.0 -50.0 -60.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			hand	- Marine Ma	Stop Freq 1.720000000 GHz
#Res BW	RC SCL	ĸ		Sweep 2	Span 20.00 MHz .533 ms (1001 pts) FUNCTIONWAUE	CF Step 2.000000 MHz Auto Mar
1 N 2 3 4 5 6	1 f 1	1.710 00 GHz	-31.610 dBm			Freq Offset 0 Hz
6 7 8 9						Scale Type
11			п		*	Log <u>Lin</u>
MSG				I o STATU		



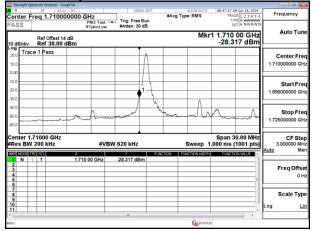
Band Edge_Band4_10MHz_QPSK_RB50_0_CH20000

Keysight Spectrum Analyzer - Swep			
Center Freq 1.710000	DC SENSE:INT DOOD GHZ ENO: East also Trig: Free Run	ALIGN AUTO 08:53:32 AM Jun 18, 2024 #Avg Type: RMS TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS Ref Offset 14 of 10 dB/div Ref 30.00 d	IFGain:Low #Atten: 30 dB	Mkr1 1.710 00 GHz -33.165 dBm	Auto Tune
Log 20.0 10.0 0.00			Center Freq 1.710000000 GHz
-10.0 -20.0 -30.0	//////		Start Freq 1.700000000 GHz
-50.0			Stop Freq 1.720000000 GHz
Center 1.71000 GHz #Res BW 100 kHz		Span 20.00 MHz Sweep 2.533 ms (1001 pts) JNCTION FUNCTION WIDTH FUNCTION VALUE	CF Step 2.000000 MHz Auto Man
1 N 1 1 2 3 3 4 5 5	1.710 00 GHz -33.165 dBm		Freq Offset 0 Hz
6 7 8 9 10 11			Scale Type
MSG	II.	, tatus	

Band Edge Band4 10MHz QPSK RB50 0 CH20350 #Ave Type: RM



Band Edge Band4 15MHz QPSK RB1 0 CH20025



Band Edge_Band4_15MHz_QPSK_RB1_74_CH20325

Keysight Spectrum Analyzer - Sw					
Center Freq 1.75500	00000 GHz	SENSE:INT	#Avg Type: RMS	08:51:15 AM Jun 18, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWW	Frequency
PASS Ref Offset 14 10 dB/div Ref 30.00		#Atten: 30 dB	Mkr	1 1.755 00 GHz -30.277 dBm	Auto Tune
20.0 Trace 1 Pass					Center Fre 1.755000000 GH
20.0	0	/ \ / \			Start Fre 1.740000000 GH
40.0 50.0 60.0	mha	hulo	m		Stop Fre 1.770000000 GH
Center 1.75500 GHz Res BW 200 kHz	x		Sweep 1	Span 30.00 MHz .000 ms (1001 pts) FUNCTIONWAUE	CF Ste 3.000000 MH Auto Ma
1 N 1 f 2 3 4 5 6	1.755 00 GHz	-30.277 dBm			Freq Offse 0 H
7 8 9					Scale Typ
10 11					Log <u>Li</u>
< [50]			STATUS	,	

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Band Edge Band4 15MHz QPSK RB75 0 CH20025

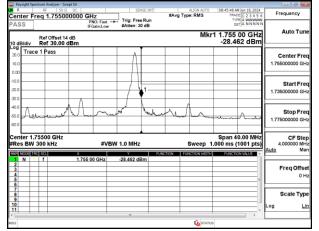
	pectrum Analyzer - Swept SA								a 🖂
Center i	RF 50 Q DC	0 GHz	SENSE:IN	#Avg	ALIGN AUTO Fype: RMS	08:48:05 AMJ TRACE	un 18, 2024 1 2 3 4 5 6 A WWWWW	Freque	ncy
PASS 10 dB/div	Ref Offset 14 dB Ref 30.00 dBm	PNO: Fast •• IFGain:Low	#Atten: 30 dB		Mkr	1 1.710 0 -31.68	0 GHz		o Tune
20.0 Tra	ice 1 Pass							Cente 1.7100000	
-10.0 -20.0 -30.0							ł	Sta 1.6950000	nt Free 00 GH
-40.0 -50.0 -60.0	~~~~							Sto 1.7250000	р Fre 00 GH
	1.71000 GHz V 200 kHz TREISCI		V 620 kHz	FUNCTION	Sweep 1	Span 30. .000 ms (1	001 pts)	3.0000 Auto	F Step 00 MH Mar
1 N 2 3 4 5 6	1 f 1	.710 00 GHz	-31.688 dBm				_	Freq	Offse 0 H
7 8 9 10								Scal	e Type
11									<u>L.</u>
MSG					STATUS			I	

	Band Ed	ge_Band	14_15MH	z_QPSK_RB	75_0_CH20	325
CO R	RF 50 Ω DI Freq 1.7550000		SENSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO #Avg Type: RMS	08:51:31 AM Jun 18, 2024 TRACE 1 2 3 4 5 6 TYPELA WWWW DET A NNNN	
10 dB/div	Ref Offset 14 dB Ref 30.00 dBr			Mk	r1 1.755 00 GHz -31.412 dBm	
20.0 Tra	ce 1 Pass					Center Freq 1.755000000 GHz
-10.0						Start Freq 1.740000000 GHz
-40.0 -50.0 -60.0				Martin and the second		Stop Frec 1.770000000 GH:
	.75500 GHz V 200 kHz	#VB\	V 620 kHz	Sweep	Span 30.00 MHz 1.000 ms (1001 pts)	
1 N 2 3 4 5		^ 1.755 00 GHz	-31.412 dBm	FUNCTION	E E	Freq Offset 0 Hz
6 7 8 9						Scale Type
10 11						Log <u>Lin</u>
MSG				K STAT	US	

Band Edge_Band4_20MHz_QPSK_RB1_0_CH20050

	ectrum Analyzer - Swept SA						
Center F	RF 50 Ω DC req 1.71000000	0 GHz	SENSE:INT	ALIGN AUT #Avg Type: RMS	TRAC	MJun 18, 2024	Frequency
PASS	Ref Offset 14 dB Ref 30.00 dBm	PNO: Fast	#Atten: 30 dB	м	⊳ kr1 1.710	TA NNNN N	Auto Tune
20.0 Trac	e 1 Pass		- IA				Center Freq 1.710000000 GHz
-10.0 -20.0 -30.0				Δ			Start Freq 1.690000000 GHz
-40.0 -50.0 -60.0		- Aur		humen	wh have	Ar	Stop Freq 1.730000000 GHz
#Res BW	xc scl ×			Sweep	1.000 ms (0.00 MHz 1001 pts) NWALUE	CF Step 4.000000 MHz <u>Auto</u> Man
1 N 2 3 4 5 6	1 1	.710 00 GHz	-31.609 dBm			E	Freq Offset 0 Hz
7 8 9 10 11							Scale Type
MSG			II.	1 0	NTUS	,	

Band Edge Band4 20MHz QPSK RB1 99 CH20300



Band Edge_Band4_20MHz_QPSK_RB100_0_CH20050

Keysight Spectrum Analyzer - Swept SA				
R RF 50 Ω DC Center Freq 1.710000000	GH7	ALIGN AUTO #Avg Type: RMS	08:42:38 AM Jun 18, 2024 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14 dB Ref 30.00 dBm	PNO: Fast Trig: Free Run IFGain:Low #Atten: 30 dB	Mkr1	1.710 00 GHz -32.264 dBm	Auto Tun
000 Trace 1 Pass				Center Free 1.710000000 GH
20.0				Start Fre 1.690000000 GH
80.0 50.0 50.0				Stop Fre 1.730000000 GF
enter 1.71000 GHz Res BW 300 kHz		Sweep 1.0	Span 40.00 MHz 00 ms (1001 pts) FUNCTIONWAUE	CF Ste 4.000000 MH Auto Ma
2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	10 00 GHz -32.264 dBm			Freq Offs 0 F
6 7 8 9				Scale Typ
10				Log Li
10		STATUS		I

Band Edge_Band4_20MHz_QPSK_RB100_0_CH20300

							Analyzer - Su			
Frequency	08:46:06 AM Jun 18, 2024 TRACE 1 2 3 4 5 6	ALIGN AUTO Type: RMS	#Ave	SENSE:	iHz	DC 0000 GH		· Frea		una ⊧ Cer
Auto Tune	1.755 00 GHz -30.400 dBm	Mkr1		Trig: Free Ru #Atten: 30 dE	PNO: Fast FGain:Low	P IF	f Offset 14	R		PA:
Center Freq 1.755000000 GHz								race 1		20.0 10.0
Start Fred 1.735000000 GHz									+	-10.0 -20.0 -30.0
Stop Free 1.775000000 GH:	aluera anana									-40.0 -50.0 -60.0
CF Stej 4.000000 MH Auto Ma	Span 40.00 MHz 00 ms (1001 pts) FUNCTIONWAUE	Sweep 1.	FUNCTION	1.0 MHz		x		W 300	es B	Re
Freq Offse 0 H				-30.400 dBm	00 GHz	1.755 0		1 1	N	1 2 3 4 5 6
Scale Type										7 8 9
	· · ·			17						11
		K STATUS								ASG

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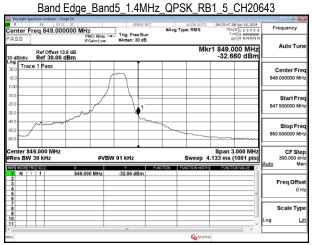
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SG:

Band Edge Band5 1.4MHz QPSK RB1 0 CH20407

Keysight Spectrum Analyzer - Swept SA					
Center Freq 824.000000	MHz	SENSE:INT	#Avg Type: RMS	09:32:06 AM Jun 18, 2024 TRACE 1 2 3 4 5 6	Frequency
PASS Ref Offset 13.8 dE 10 dB/div Ref 30.00 dBm	3	Trig: Free Run #Atten: 30 dB	Mk	r1 824.000 MHz -34.050 dBm	Auto Tune
20.0 Trace 1 Pass					Center Fred 824.000000 MHz
-10.0					Start Free 822.500000 MH:
40.0 50.0 50.0 Manuar Maria	Jun marker		- hun	man way	Stop Free 825.500000 MH
Center 824.000 MHz #Res BW 30 kHz	#VBW 9		Sweep 4	Span 3.000 MHz .133 ms (1001 pts) FUNCTION WALLE	CF Step 300.000 kH Auto Ma
2 3 4 5	824.000 MHz	-34.05 dBm			Freq Offse 0 H
6 7 8 9					Scale Typ
10					Log <u>Lir</u>
MSG			STATU	3	



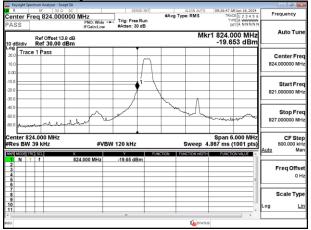
Band Edge_Band5_1.4MHz_QPSK_RB6_0_CH20407

Keysight Spectrum Analyzer - Swept SA			
Center Freq 824.000000	MHz Trig: Free Run	ALIGN AUTO 09:32:42 AM Jun 18, 2024 #Avg Type: RMS TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS Ref Offset 13.8 dB 10 dB/div Ref 30.00 dBm	PNO: Wide +++ Trig: Free Run IFGain:Low #Atten: 30 dB	Mkr1 824.000 MHz -36.480 dBm	Auto Tune
20.0 Trace 1 Pass			Center Freq 824.000000 MHz
-10.0	/////////		Start Freq 822.500000 MHz
40.0			Stop Freq 825.500000 MHz
Center 824.000 MHz #Res BW 30 kHz	#VBW 91 kHz	Span 3.000 MHz Sweep 4.133 ms (1001 pts) NCTION FUNCTION WIDTH FUNCTION VALUE	CF Step 300.000 kHz <u>Auto</u> Man
1 N 1 f 2 2 3 4 6 6	824 MHz -36.48 dBm		Freq Offset 0 Hz
6 7 8 9 10 11			Scale Type Log <u>Lin</u>
MSG	17	*	

№ 50 Ω bc Trig: Free Run ter Freq 849.000000 MHz PNO: Wide Trig: Free Run #Atten: 30 dB # # Frequency Auto Tu Mkr1 849 000 MHz Ref Offset 13.8 d Ref 30.00 dBr -39.230 dBr Trace 1 Pass Center Fre Start Fre Stop Fre CF Step 00.000 kHz Span 3.000 4.133 ms (100 #VBW 91 kH 849.000 Freq Offs 01 Scale Typ Lit

Band Edge Band5 1.4MHz QPSK RB6 0 CH20643

Band Edge Band5 3MHz QPSK RB1 0 CH20415



Band Edge_Band5_3MHz_QPSK_RB1_14_CH20635

				_	_	_		Analyzer - Swe	pectrum	rsight (Key
Frequency	6	09:30:28 AM Jun 18, 202 TRACE 1 2 3 4 5	ALIGN AUTO Type: RMS	#A1	SENSE	Hz	0000 MH		Freq	ter	R en
Auto Tun	z	r1 849.000 MH -18.908 dBr	Mk		#Atten: 30 d	PNO: Wide •• IFGain:Low	iF I.8 dB	Offset 13.		S	AS
Center Fre 849.000000 MH									ce 1 F	_	20.0 10.0
Start Fre 846.000000 MH							0				10.0 20.0 30.0
Stop Fre 852.000000 M⊦			~			~~~~	mh	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	L.	~~~~	40.0 50.0 60.0
CF Ste 600.000 kH Auto Ma	5)	Span 6.000 MH .867 ms (1001 pts	Sweep 4	FUNCTION	/ 120 kHz	#VBW	x		49.00 V 39 H	s B\	Re
Freq Offse 0 ⊦					-18.91 dBm	000 MHz			1 1	N	
Scale Typ									+		7 8 9
Log <u>Li</u>	-										10
		•							-	-	sa

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SG

Band Edge Band5 3MHz QPSK RB15 0 CH20415

	pectrum Analyzer - Swept SA	<u> </u>						
Center F	RF 50 Q DC Freq 824.000000	MHz	SENSE:1	#Avg	ALIGN AUTO Type: RMS	09:27:22 AM Ju TRACE 1	23456	Frequency
PASS	Ref Offset 13.8 dB Ref 30.00 dBm	PNO: Wide •• IFGain:Low	#Atten: 30 dB		Mk	r1 824.000 -28.566	MHz	Auto Tun
Log	ce 1 Pass							Center Fre 824.000000 MH
-10.0 -20.0 -30.0			•1-					Start Fre 821.000000 MH
-40.0 -50.0 -60.0								Stop Fre 827.000000 MF
#Res BW	24.000 MHz V 39 kHz	#VBW	/ 120 kHz			Span 6.00 .867 ms (10	01 pts)	CF Ste 600.000 kH Auto Ma
Model Model 1 1 N 2 3 4 5 6		24.000 MHz	-28.57 dBm	FUNCTION	FUNCTION WOTH	FUNCTION V		Freq Offs
6 7 8 9 10 11								Scale Typ
ASG			Π.		To STATU	s	· ·	

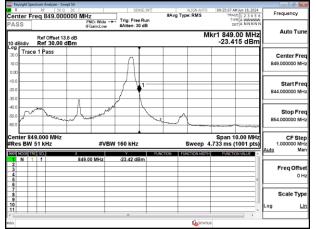
		ye_ban		∠_\uri	י טאי_אנ	0_0_CH20	000	
	ectrum Analyzer - Swept SA						_	
R Center Fi	RF 50 Ω DC	MHz	SENSE:IN	#Avg	ALIGN AUTO Type: RMS	09:30:44 AM Jun 18, 2024 TRACE 1 2 3 4 5 1		requency
PASS	•	PNO: Wide	#Atten: 30 dB			DET A NNNN	(
10 dB/div	Ref Offset 13.8 dB Ref 30.00 dBm				Mk	r1 849.000 MHz -27.280 dBm		Auto Tun
Trac	e 1 Pass						11-	
20.0								Center Fre
10.0							84	9.000000 MH
10.0							⊢	
20.0								Start Fre
30.0			Y				84	6.000000 MH
40.0								
50.0								Stop Fre
-60.0							85	2.000000 MH
Center 84	19.000 MHz					Span 6.000 MHz	!⊢	CF Ste
#Res BW		#VBV	V 120 kHz		Sweep 4	.867 ms (1001 pts)	41	600.000 kł
MKR MODE TH			Y	FUNCTION	FUNCTION WIDTH	EUNCTION VALUE	Auto	Ma
1 N 1	1 1 84	49.000 MHz	-27.28 dBm					
3 4								Freq Offs
5								0 H
6 7								
8								Scale Typ
10							Log	L
-	+ +					· · · ·		
ISG					K STATU	5		

Rand Edge Rands 3MHz OPSK RR15 0 CH20635

Band Edge_Band5_5MHz_QPSK_RB1_0_CH20425

🔤 Keysight Spectrum Analyzer - Sw			
Center Freq 824.000		ALIGN AUTO 09:21:25 AMJun 18, 2024 #Avg Type: RMS TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS Ref Offset 13 10 dB/div Ref 30.00	IFGain:Low #Atten: 30 dB	₀₆₇ A NNNN Mkr1 824.00 MHz -24.934 dBm	Auto Tune
20.0 Trace 1 Pass			Center Freq 824.000000 MHz
-10.0 -20.0 -30.0			Start Freq 819.000000 MHz
-40.0 -50.0 -60.0	Julia War with	Market Market	Stop Freq 829.000000 MHz
Center 824.000 MHz #Res BW 51 kHz	#VBW 160 kHz	Span 10.00 MHz Sweep 4.733 ms (1001 pts) FUNCTION FUNCTION VALUE	CF Step 1.000000 MHz <u>Auto</u> Man
1 N 1 f 2 3 4 5 6	824.00 MHz -24.93 dBm	E	Freq Offset 0 Hz
7 8 9 10 11			Scale Type
MSG	"	€ ostatus	

Band Edge Band5 5MHz QPSK RB1 24 CH20625



Band Edge Band5 5MHz QPSK RB25 0 CH20425

Keysight Spectrum Analyzer - Swept SA				
R RF 50 Ω DC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:22:01 AM Jun 18, 2024 TRACE 1 2 3 4 5 6	Frequency
ASS Ref Offset 13.8 dB	PNO: Wide Trig: Free Run IFGain:Low #Atten: 30 dB	• //	type a www. Det A NNNN kr1 824.00 MHz	Auto Tun
0 dB/div Ref 30.00 dBm .09 Trace 1 Pass 10.0			-33.141 dBm	Center Fre 824.000000 MH
0.00				Start Fre 819.000000 MF
0.0				Stop Fre 829.000000 MH
enter 824.000 MHz Res BW 51 kHz	#VBW 160 kHz	Sweep 4	Span 10.00 MHz .733 ms (1001 pts) FUNCTIONWALUE	
2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	24.00 MHz -33.14 dBm		E	Freq Offs 0 H
6 7 8 9				Scale Typ
10				Log <u>Li</u>
10		STATU:	3	1

Band Edge_Band5_5MHz_QPSK_RB25_0_CH20625

									Analyzer - Sw			
Frequency	4 Jun 18, 2024 E 1 2 3 4 5 6	TRAC	ALIGN AUTO De: RMS	#Avg T	ISE:INT	1	2	DC 000 MHz		Freq		N R Cer
Auto Tune	00 MHz	kr1 849.	м			#Atten: 3	¥O: Wide ↔ Gain:Low	iFi .8 dB	f Offset 13 f 30.00 (SS B/div	PA:
Center Free 849.000000 MHz						****		,		ce 1	Tra	20.0 10.0
Start Free 844.000000 MH:					1						1	-10.0 -20.0 -30.0
Stop Free 854.000000 MH	~~~~~	- Andrew and			Low						\vdash	-40.0 -50.0 -60.0
CF Step 1.000000 MH Auto Ma	0.00 MHz 1001 pts)	.733 ms (Sweep 4	CTION F		160 kHz		x		V 51	s B\	Re
Freq Offse 0 H	E				3m	-31.70 df	0 MHz	849.0		1 1	N	1 2 3 4 5
Scale Typ										+		6 7 8 9
Log <u>Lir</u>	•											11
I		1	K STATUS									ASG

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SG

Band Edge Band5_10MHz_QPSK_RB1_0_CH20450

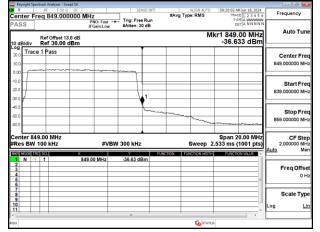
	pectrum Analyzer - Swept SA							
Center I	RF 50 Q DC Freq 824.000000	MHz	SENSE:INT		ALIGN AUTO	TRAC	Jun 18, 2024 E 1 2 3 4 5 6 E A WWWWW	Frequency
PASS	Ref Offset 13.8 dB Ref 30.00 dBm	PNO: Fast •• IFGain:Low	#Atten: 30 dB		м	oe (r1 824.)	TA NNNN N	Auto Tune
20.0 Tra	ce 1 Pass		A					Center Fred 824.000000 MHz
-10.0 -20.0 -30.0			/ \ ↓					Start Free 814.000000 MH:
-40.0 -50.0 -60.0				have			M	Stop Free 834.000000 MH
#Res BV			300 kHz	FUNCTION FI	Sweep 2	Span 20 533 ms (1	. /	CF Step 2.000000 MH Auto Mar
1 N 2 3 4 5 6	1 f :::::::::::::::::::::::::::::::::::	824.00 MHz	-33.18 dBm				=	Freq Offse 0 Hi
7 8 9 10 11								Scale Type
<			II				,	

E	Band Edge	Band	5_10M	Hz_QP	SK_RB	1_49_CH2	0600
UN R	m Analyzer - Swept SA RF 50 Ω DC 1 849.000000 MH	z	SENSE:	#Avg	ALIGN AUTO Type: RMS	09:19:45 AM Jun 18, 202 TRACE 1 2 3 4 5	Frequency
PASS	ef Offset 13.8 dB	PNO: Fast +++ FGain:Low	Trig: Free Ru #Atten: 30 di		N	URT 849.00 MH -33.777 dBr	z Auto Tuni
10 dB/div R 20.0 Trace 1 10.0	Pass		A			-33.777 dBr	Center Free 849.000000 MH
-10.0							Start Free 839.000000 MH
-40.0 -50.0	- Marine	m		Margana	~~~~~~~		Stop Free 859.000000 MH
Center 849.0 #Res BW 10		#VBW	300 kHz		Sweep	Span 20.00 MH 2.533 ms (1001 pt	Z CF Step 2.000000 MH Auto Mar
MORE MODE DECE IS 1 N 1 2 3 4 6		00 MHz	-33.78 dBm	FUNCTION	FUNCTION WIDT	EUNCTION VALUE	Freq Offse
6 7 8 9							Scale Type
10 11 <			Π		STAT	, ,	- Log Li

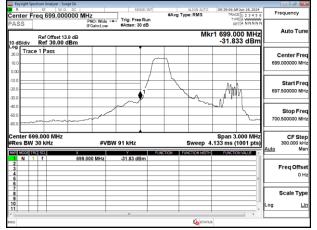
Band Edge_Band5_10MHz_QPSK_RB50_0_CH20450

Keysight Spectrum Analyzer - Swept SA			
Center Freq 824.000000	MHz PNO: Fast Trig: Free Run	ALIGN AUTO 09:16:39 AM Jun 18, 2024 #Avg Type: RMS TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS Ref Offset 13.8 dB 10 dB/div Ref 30.00 dBm	IFGain:Low #Atten: 30 dB	Mkr1 824.00 MHz -32.892 dBm	Auto Tune
20.0 Trace 1 Pass			Center Freq 824.000000 MHz
-10.0			Start Freq 814.000000 MHz
-50.0 -60.0			Stop Freq 834.000000 MHz
Center 824.00 MHz #Res BW 100 kHz		Span 20.00 MHz Sweep 2.533 ms (1001 pts) NCTION FUNCTION WIDTH FUNCTION VALUE	CF Step 2.000000 MHz Auto Man
1 N 1 f 2 2 3 4 6 6 6	-32.89 dBm	E	Freq Offset 0 Hz
7 8 9 10 11			Scale Type
MSG	17	, to status	

Band Edge Band5 10MHz QPSK RB50 0 CH20600



Band Edge Band12 1.4MHz QPSK RB1 0 CH23017



Band Edge_Band12_1.4MHz_QPSK_RB1_5_CH23173

Keysight Spectrum Analy					
Center Freq 716	50 Ω DC 6.000000 MHz	SENSE:INT	#Avg Type: RMS	09:42:51 AM Jun 18, 2024 TRACE 1 2 3 4 5 6	Frequency
PASS Ref Off 10 dB/div Ref 30	PNO: Wide IFGain:Low fset 13.8 dB 0.00 dBm	Trig: Free Run #Atten: 30 dB	Mk	r1 716.000 MHz -30.901 dBm	Auto Tune
20.0 Trace 1 Pass	S	h			Center Freq 716.000000 MHz
-10.0		/			Start Free 714.500000 MH
-40.0 -50.0 -60.0	~~~~		Mu mand	mm	Stop Free 717.500000 MH:
Center 716.000 M #Res BW 30 kHz	#V		Sweep 4	Span 3.000 MHz .133 ms (1001 pts) FUNCTIONWALUE	CF Step 300.000 kH Auto Ma
1 N 1 f 2 3 4 4 5 6 6	716.000 MHz	-30.90 dBm		E	Freq Offse 0 H
7 8 9					Scale Type
10					Log <u>Lir</u>
<		Π.	K STATU	5	

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