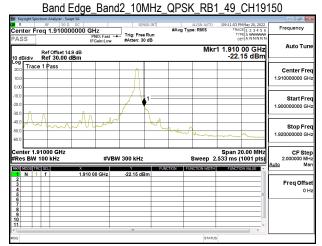


Band Edge Band2 10MHz QPSK RB1 0 CH18650

									nalyzer - Sw		sight Spe	
Frequency	May 20, 2022	TRAC	ALIGN AUTO RMS	#Avg Typ	SE:INT	1	Hz	00000 G	50 Ω	req '	er Fi	R ent
Auto Tu		⁰⁶ 1 1.850	Mkr		dB	#Atten: 30	PNO:Fast ↔ FGain:Low	.9 dB	Offset 14		S	AS
Center Fr 1.850000000 G					A						Trac	og 20.0 10.0
Start Fr 1.840000000 G			- 1									10.0 20.0 20.0
Stop Fr 1.86000000 G	Mh	m	M	han -		M	-			~		10.0 50.0 50.0
CF St 2.000000 N Auto N	- 4	533 ms (<u> </u>			300 kHz	#VB\			100	8W	Res
Freq Off 0		FUNGHIC	CTIONIMIDTH	TION	FUN	-22.21 dB	00 GHz	× 1.850			N 1	
						11						



Band Edge Band2 10MHz QPSK RB50 0 CH18650

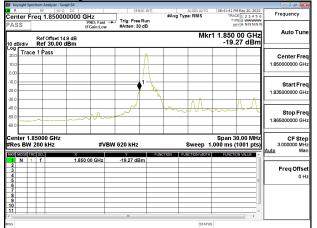
📕 Keysight Spectrum Analyzer - !		
R R S0 Center Freq 1.8500	000000 GHz	ALIGN AUTO 09:01:55 PM May 20, 2022 #Avg Type: RMS TRACE 1 2 3 4 5 6
PASS Ref Offset 10 dB/div Ref 30.00		Mkr1 1.850 00 GHz -35.89 dBm
Log 20.0 Trace 1 Pass 10.0 0.00		Center 1.85000000
20.0		Start 1 1.84000000
40.0 50.0 60.0		Stop 1.85000000
Center 1.85000 GHz #Res BW 100 kHz	#VBW 300 kHz	Span 20.00 MHz CF 3 Sweep 2.533 ms (1001 pts) 2.00000 UNCTION FUNCTION WIDTH FUNCTION WALE
I N 1 f 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 - - -	1.850 00 GHz -35.89 dBm	Freq O

Report No.: TERF2204000399E2 Page: 116 of 237

Band Edge Band2 10MHz QPSK RB50 0 CH19150

								Analyzer - Sw		
Frequency	09:12:12 PM May 20, 2022	ALIGN AUTO		NSE:INT	SEI				R	R
Frequency	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNNN	ype: RMS	#Avg Ty		Trig: Free #Atten: 3	Z KO:Fast ↔ Jain:Low	10000 GH	1.91000	r Freq	ent ASS
Auto Tu	ffset 14.9 dB Mkr1 1.910 00 GHz Ar 0.00 dBm -36.28 dBm								dB	
Center Fre									race 1	
1.910000000 GI										
										00
Start Fre			-							.0
1.90000000 GI				1	- (1.0
					1					1.0 / 1.0 -
Stop Fre				m						1.0
1.920000000 GI										0.0
CF Ste 2.000000 MI Auto Mi	Span 20.00 MHz 533 ms (1001 pts)				300 kHz	#VBW) kHz	r 1.910 BW 100	Res
	FUNCTION VALUE	UNCTION WIDTH	CTION F		-36.28 di	0 GHz	X 1.910 0		1 f	
Freq Offs			_							3
01			_	_				-	++	5 6
									\pm	7
			_							9
	*									1

Band Edge_Band2_15MHz_QPSK_RB1_0_CH18675



Band Edge Band2 15MHz QPSK RB1 74 CH19125

	ipt SA				- # ×
R RF 50 Ω Center Freq 1.91000		SENSE:INT	#Avg Type: RMS	08:49:35 PM May 20, 2022 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14 10 dB/div Ref 30.00 d	PNO: Fast ++ IFGain:Low	Trig: Free Run #Atten: 30 dB	Mkr	1 1.910 00 GHz -18.81 dBm	Auto Tune
Log 20.0 10.0 0.00					Center Freq 1.910000000 GHz
-10.0 -20.0 -30.0	λ. /				Start Free 1.895000000 GH:
-40.0	- When	- M.			Stop Free 1.925000000 GH:
Center 1.91000 GHz Res BW 200 kHz	#VBW (Sweep 1.	Span 30.00 MHz 000 ms (1001 pts)	CF Ste 3.000000 MH Auto Ma
1 N 1 f	1.910 00 GHz	-18.81 dBm			
1 1 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 -					Freq Offse 0 H

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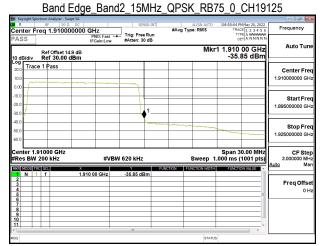
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Band Edge Band2 15MHz QPSK RB75 0 CH18675

Keysight ! R		n Analyzer - Sw									
			00000 GHz			SE:INT	#Avg Typ	ALIGN AUTO	TRA	M May 20, 2022	Frequency
ASS 0 dB/div		ef Offset 14 ef 30.00 (IFGai	:Fast ↔ in:Low	Trig: Free #Atten: 30			Mkr	∘ 1 1.850	00 GHz 87 dBm	Auto Tu
og Tra	ace 1	Pass									Center Fr 1.850000000 G
0.0 0.0 0.0						1					Start Fi 1.835000000 0
0.0 0.0 0.0											Stop F 1.865000000 0
enter * Res Bl	N 200		x	#VBV	V 620 kHz	FUI		Sweep 1	.000 ms (0.00 MHz 1001 pts)	CF Si 3.000000 M Auto
1 N 2 3 4 5 6	1 1		1.850 00 (SHZ	-36.87 dB	m					Freq Off C
7 8 9 0	-									_	
Ľ,					87			STATU		- ·	

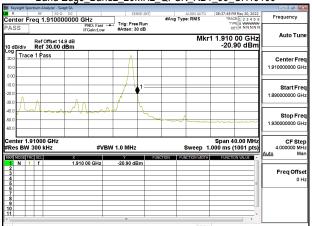


Band Edge_Band2_20MHz_QPSK_RB1_0_CH18700

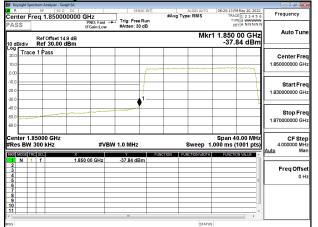
		n Analyzer - Swept					-	_			- 4
Cent		50 Ω 1.850000				SE:INT	#Avg Ty	ALIGN AUTO pe: RMS	TRAC	4 May 20, 2022 E 1 2 3 4 5 6 E A WWWW	Frequency
PAS:	R	ef Offset 14.9 ef 30.00 dE	IFGain: dB	ast ↔ Low	Trig: Free #Atten: 30	dB		Mkr	□ 1 1.850	00 GHz 73 dBm	Auto Tur
20.0 10.0 0.00	Trace 1	Pass				A					Center Fro 1.85000000 Gi
-10.0 -20.0 -30.0								Δ Λ.		ΛΛ	Start Fr 1.830000000 G
-40.0 -50.0 -60.0					- Anna an				·····	/ / · · · · /	Stop Fr 1.870000000 G
Res	er 1.850 BW 300) kHz	x		1.0 MHz		TION FL	Sweep 1	.000 ms (0.00 MHz 1001 pts)	CF St 4.000000 M Auto M
1 2 3 4 5 6 7 8	N 1 1		1.850 00 GH		-20.73 dB	m				s	Freq Offs 0
9 10 11 (1 7			STATU			

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Band Edge_Band2_20MHz_QPSK_RB1_99_CH19100



Band Edge_Band2_20MHz_QPSK_RB100_0_CH18700



Band Edge Band2 20MHz QPSK RB100 0 CH19100

	rum Analyzer - Swept SA					- 8 💌
R Center Fre	RF 50 Ω DC eq 1.91000000		SENSE:INT	#Avg Type: RMS	08:38:18 PM May 20, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
10 dB/div	Ref Offset 14.9 dE Ref 30.00 dBm		#Atten: 30 dB	Mkr	1.910 00 GHz -37.07 dBm	Auto Tune
	1 Pass					Center Freq 1.91000000 GHz
-10.0			1			Start Fred 1.890000000 GHz
-40.0						Stop Free 1.930000000 GH:
Center 1.91 #Res BW 3	00 kHz		1.0 MHz	Sweep 1.	Span 40.00 MHz 000 ms (1001 pts)	CF Step 4.000000 MH: Auto Mar
1 N 1 2 3 4 5 6 7 7 8 9	f 1	.910 00 GHz	-37.07 dBm		50000100102002	Freq Offse 0 H
10 11 (wsg			IN	STATUS	*	

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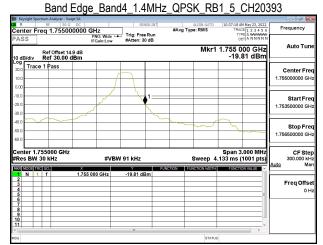
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Band Edge Band4_1.4MHz_QPSK_RB1_0_CH19957

	pectrum Analyzer - S									
a R Center F	RF 50 Freq 1.7100	00000 GH	łz		ISE:INT	#Avg Typ	ALIGN AUTO	TRAC	May 23, 2022	Frequency
ASS	Ref Offset 1 Ref 30.00	4.9 dB	NO:Wide ← Sain:Low	#Atten: 3	0 dB		Mkr1	0E	ANNNN	Auto Tui
.og 20.0 Tra 10.0	ce 1 Pass									Center Fr 1.710000000 G
20.0					<u>ر</u>	- V				Start Fr 1.708500000 G
40.0 50.0 50.0	~~~~	~~~~					~~~~	~~~	~~~	Stop Fr 1.711500000 G
Res BV	.710000 GH / 30 kHz		#VB	W 91 kHz				.133 ms (CF St 300.000 k Auto N
1 N 2 3 4 5 6 7 8 9		x 1.710 00	0 GHz	-19.15 dE		CTION FU	NGTION WIDTH	FUNCTIO		Freq Offs 0
ii				87					*	



Band Edge Band4 1.4MHz QPSK RB6 0 CH19957

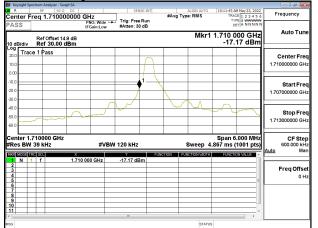
- d				_			_		Analyzer - Sw			
Frequency	M May 23, 2022	TRAC	ALIGN AUTO e: RMS	#Avg Ty	NSE:INT	1	iHz	00000 G	F 50 Ω 1.71000	Freq		Cen
Auto Tui	00 GHz 40 dBm	1.710 0	Mkr1		0 dB	#Atten: 3	PNO: Wide ↔ FGain:Low	.9 dB	f Offset 14 ef 30.00 (dB/d	PAS
Center Fre 1.710000000 GI	7								Pass	race 1		20.0 20.0 10.0
Start Fre 1.708500000 Gi	1				ı <u>/</u>							-10.0 -20.0 -30.0
Stop Fr 1.711500000 G											0	-40.0 -50.0 -60.0
CF Str 300.000 k Auto M	.000 MHz 1001 pts)	.133 ms (Sweep 4	CTION	FIIN	/ 91 kHz	#VBV	×		1.710 W 30	es E	Re
Freq Offs 0	E					-27.40 dE	00 GHz					
						17.						8 9 10 11
			STATUS									//SG

Report No.: TERF2204000399E2 Page: 118 of 237

Band Edge Band4 1.4MHz QPSK RB6 0 CH20393

Frequency	10:37:50 AM May 23, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWWW	ALIGN AUTO ype: RMS	#Avg	SENSE:INT		GHz	/zer - Swept SA 50 Ω DC 55000000	RF		R en1
Auto Tun	DETANNNNN			ree Run : 30 dB		PNO: Wide IFGain:Low			S	AS
Auto Tur	1.755 000 GHz -27.16 dBm	Mkr1					fset 14.9 dB 0.00 dBm			dE
Center Fre		_			_		s	1Pi	Trace	9 9 0.0
1.755000000 GH										0.0
Start Fre									/	.00).0
1.753500000 GH				√ ¹ −				-		0.0
			~~~~	~					<i>"</i>	0.0 0.0
Stop Fre 1.756500000 GH										0.0 0.0
CF Ste	Span 3.000 MHz								er 1.75	en1
300.000 ki uto M	133 ms (1001 pts)	Sweep 4.	FUNCTION	z	'BW 91 kHz	#V	×		8 BW 31	_
		Cherron Martine Martine	one lon	dBm	-27.16	5 000 GHz			N 1	
Freq Offs 0 H										3
				_						5 6 7
										8 9 0

## Band Edge Band4 3MHz QPSK RB1 0 CH19965



### Band Edge Band4 3MHz QPSK RB1 14 CH20385

	rum Analyzer - Swep					- 8 ×
R Center Fre	RF 50 Ω q 1.755000		SENSE:INT	#Avg Type: RMS	10:19:55 AM May 23, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWW	Frequency
	Ref Offset 14.9 Ref 30.00 dl		#Atten: 30 dB	Mkr1	1.755 000 GHz -18.64 dBm	Auto Tune
	1 Pass					Center Fre 1.755000000 GH
20.0	~					Start Fre 1.752000000 GH
40.0 50.0 60.0	$\downarrow$			- Amar		Stop Fre 1.758000000 GH
Res BW 3		x		Sweep 4	Span 6.000 MHz .867 ms (1001 pts) FUNCTION WALLE	CF Ste 600.000 kH Auto Ma
2 3 4 5 6 7 8	f	1.755 000 GHz	-18.64 dBm		E	Freq Offse 0 H
9 10 11 < [ sg			m	STATU	×	

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# Report No.: TERF2204000399E2 Page: 119 of 237

## Band Edge Band4 3MHz QPSK RB15 0 CH19965

	um Analyzer - Swep							
Center Free	RF 50 Ω q 1.710000	DOOD GHz PNO: Wide	SENSE:	#Avg Ty	ALIGN AUTO	TRAC	4 May 23, 2022 E 1 2 3 4 5 6 E A WWWW	Frequency
10 dB/div	Ref Offset 14.9 Ref 30.00 d	IFGain:Low	#Atten: 30 dE	В	Mkr1	1.710 0	00 GHz 20 dBm	Auto Tur
20.0 Trace 1	l Pass							Center Fre 1.710000000 Gi
-10.0 -20.0 -30.0			1					Start Fr 1.707000000 G
40.0								Stop Fr 1.713000000 G
Center 1.71 Res BW 39	) kHz	#VE	BW 120 kHz	FUNCTION F	Sweep 4	.867 ms (	.000 MHz 1001 pts)	CF St 600.000 k Auto M
1 N 1 2 3 4 5 6		1.710 000 GHz	-30.20 dBm				=	Freq Offs 0
7 8 9 10 11			17					
tsg					STATU	5		

	Band	Edge_Ban	d4_3MHz	_QPSK_RB1	5_0_CH203	
Keysight Spec	ctrum Analyzer - Swi RF 50 Ω		SENSE:INT	ALIGN AUTO	10:21:02 AM May 23, 2022	
	eq 1.75500	00000 GHz		#Avg Type: RMS	TRACE 1 2 3 4 5 6	Frequency
ASS		PNO: Wide ← IFGain:Low	Trig: Free Run #Atten: 30 dB		DET A NNNNN	
0 dB/div	Ref Offset 14 Ref 30.00 (			Mkr1	1.755 000 GHz -29.59 dBm	Auto Tu
Trace	e 1 Pass					Center Fr
0.0						1.755000000 G
	~~~~~					
0.0						
0.0	_		l			Start Fi 1.752000000 0
0.0			.			1.7320000000
0.0	_					
0.0						Stop Fr 1.758000000 G
0.0						1.758000000 G
optor 1 7	755000 GHz				Span 6.000 MHz	CF St
Res BW		#VBI	N 120 kHz	Sweep 4	.867 ms (1001 pts)	600.000
KR MODE TR	discu	x	Y F	JNCTION FUNCTION WIDTH		Auto N
1 N 1 2		1.755 000 GHz	-29.59 dBm			
3						Freq Off
5						0
6	++					
8						
0						
1			17		· · · ·	
g				STATU	e	

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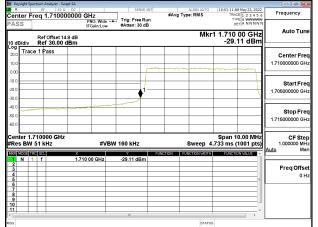
Band Edge_Band4_5MHz_QPSK_RB1_0_CH19975

									Analyzer - Sw		
Frequency	May 23, 2022	TRAC	ALIGN AUTO e: RMS	#Avg Typ	NSE:INT	1	z	0000 GH		r Freq	a R Cent
Auto Tun	00 GHz 2 dBm	□ 1 1.710	Mkr			#Atten: 3	IO: Wide ↔ Sain:Low	.9 dB	f Offset 14 ef 30.00 (Re	PAS:
Center Fre 1.710000000 GH					Λ				Pass	Frace 1	20.0 10.0
Start Fre 1.705000000 GH			~1	~	1						-10.0 -20.0 -30.0
Stop Fre 1.715000000 GH	$\Lambda_{\Lambda_{n}}$		2 VL			JV	~~~~				-40.0 -50.0 -60.0
CF Ste 1.000000 MH Auto Ma	0.00 MHz 1001 pts)		Sweep 4		FUN	160 kHz		×	U	BW 51	#Res
Freq Offso 0 ⊦					3m	-18.92 dE) GHz	1.710 0		1 f	2 3 4 5 6
						17					7 8 9 10 11
L			STATUS								ISG

Band Edge Band4 5MHz QPSK RB1 24 CH20375

	trum Analyzer - Sw								- 8 -
enter Fr	eq 1.75500		e +++ Trig: Fre		#Avg Typ	ALIGN AUTO e: RMS	TRAC	May 23, 2022 1 2 3 4 5 6 A WWWW A NNNNN	Frequency
) dB/div	Ref Offset 14 Ref 30.00					Mkr		00 GHz 34 dBm	Auto Tun
DO Trace	e 1 Pass								Center Fre
.0			$- \Lambda$						1.755000000 GH
0.0				1					Start Fre
0.0	~	10	/						1.750000000 GH
	Α			L V L	. ^				Stop Fre
0.0	_		_		~~~~~	m		~	1.760000000 GH
Res BW			/BW 160 kHz			Sweep 4	.733 ms (- 4	CF Ste 1.000000 Mł Auto Mł
R MODE TR 1 N 1 2		× 1.755 00 GHz	-17.84 d	Bm	TION FUI	NCTION WIDTH	FUNCTION	N VALUE	
3 4 5									Freq Offs 0 H
6 7 8									
9				_				_	
4									

Band Edge Band4 5MHz QPSK RB25 0 CH19975



Band Edge Band4 5MHz QPSK RB25 0 CH20375

🌉 Keysight Sp	ectrum Analyzer - Swept SA					- 8 💌
Center F	RF 50 Ω DC req 1.75500000	0 GHz	SENSE:INT	#Avg Type: RMS	10:08:19 AM May 23, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS	Ref Offset 14.9 dB Ref 30.00 dBm	PNO: Wide ↔ Tr IFGain:Low #A	ig: Free Run tten: 30 dB	Mkr	1 1.755 00 GHz -30.57 dBm	Auto Tune
20.0 Trac	e 1 Pass		~~			Center Freq 1.755000000 GHz
-10.0			1			Start Fred 1.750000000 GH2
-40.0 -50.0 -60.0						Stop Frec 1.760000000 GH2
Center 1. #Res BW		#VBW 16		Sweep 4.	Span 10.00 MHz 733 ms (1001 pts)	CF Step 1.000000 MH: Auto Mar
1 N 1 2 3 4 5 6 6 7 8 8 9 9 10 11		755 00 GHz -3	0.67 dBm		E	Freq Offset 0 Hz
∢		-	ш	STATUS	•	

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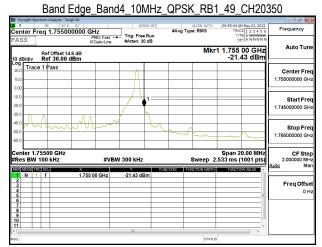
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Band Edge Band4 10MHz QPSK RB1 0 CH20000

		Analyzer - Sw										
a R Center I	 Freq		00000 GH	Ηz	7	ISE:INT	#Avg Ty	ALIGN AUTO	TRA	M May 23, 2022	Frequency	
PASS	ASS DECalification SAtten: 30 dB DECANNUM SAtten: 30 dB DECANNUM SATEN: 30 DEC										Auto Tur	
20.0 Tra	ice 1 I	Pass				A					Center Fr 1.710000000 G	
20.0						1-					Start Fr 1.700000000 G	
40.0 50.0 50.0	~			-	N		hon -	M	m	A	Stop Fr 1.720000000 G	
Res BV	V 100			#VBV	V 300 kHz			Sweep 2	2.533 ms (CF St 2.000000 N Auto N	
1 N 2 3 4 5 6 7 8 9 9			X 1.710 0	00 GHz	-20.02 di		CTION F	UNCTION WIDTH	FUNCT		Freq Off	



Band Edge Band4 10MHz QPSK RB50 0 CH20000

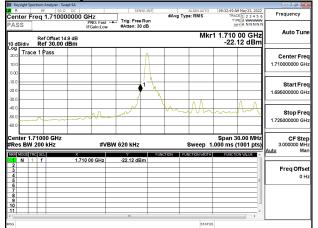
鼶 Keysight Spectrum Ana					
Center Freq 1.	50 Ω DC 710000000 GHz	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:43:47 AM May 23, 2022 TRACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 3	PNO: Fast IFGain:Low ffset 14.9 dB 30.00 dBm	Trig: Free Run #Atten: 30 dB	Mkr	TYPE A WWWWW DET A NNNNN 1 1.710 00 GHz -31.60 dBm	Auto Tun
Log 20.0 Trace 1 Pas 10.0					Center Fre 1.710000000 GH
-10.0					Start Fre 1.700000000 GH
-40.0					Stop Fre 1.720000000 GI
Center 1.71000 #Res BW 100 kl		BW 300 kHz	Sweep 2.	Span 20.00 MHz 533 ms (1001 pts)	CF Ste 2.000000 Mł Auto Mł
N 1 f 2 - - 3 - - 4 - - 5 - - 6 - - 7 - - 8 - - 9 - - 10 - -	1.710 00 GHz	-31.60 dBm		E	Freq Offs 0 F
1	1	IT.			

Report No.: TERF2204000399E2 Page: 120 of 237

Band Edge Band4 10MHz QPSK RB50 0 CH20350

							n Analyzer - Sw		
Frequency	09:56:04 AM May 23, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNN	ALIGN AUTO Type: RMS	#Avg	SENSE: Trig: Free Ru #Atten: 30 dE	iHz PNO: Fast ↔ FGain:Low	00000 0	50 S 1.75500	er Freq	R ent ASS
Auto Tur	1.755 00 GHz -34.33 dBm	Mkr					of Offset 14 of 30.00		dB
Center Fre							Pass	Trace 1	0.0
1.755000000 GI								~~~~	00 00
Start Fre			_						0.0
1.745000000 GI				\ 1				1	0.0 0.0 /
Stop Fre									0.0
1.765000000 GI									0.0 0.0
CF Ste 2.000000 M Auto M	Span 20.00 MHz 533 ms (1001 pts)	Sweep 2.		300 kHz	#VBW			er 1.755 BW 100	
<u>Mato</u> M	FUNCTION VALUE	FUNCTION WIDTH	FUNCTION	-34.33 dBm	00 GHz	× 1.755		IDE TRC SO	
Freq Offs 0 I					_				3
							-		5 7 3
									8 9 0

Band Edge_Band4_15MHz_QPSK_RB1_0_CH20025



Band Edge Band4 15MHz QPSK RB1 74 CH20325

	im Analyzer - Swept SA					- # ×
Center Free	RF 50 Ω DC	GHz	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:39:25 AM May 23, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	Ref Offset 14.9 dB Ref 30.00 dBm	PNO: Fast ++ IFGain:Low	Trig: Free Run #Atten: 30 dB	Mkr	1 1.755 00 GHz -18.24 dBm	Auto Tune
Log Trace 1 20.0 0.00	Pass		Λ			Center Fred 1.755000000 GHz
-10.0 -20.0 -30.0		Δ				Start Free 1.740000000 GH
-40.0	hanner		~ \ <u>\</u>			Stop Free 1.770000000 GH
Center 1.75 Res BW 20	0 kHz	#VBW	620 kHz	Sweep 1	Span 30.00 MHz .000 ms (1001 pts)	CF Stej 3.000000 MH <u>Auto</u> Ma
1 N 1 2 3 4 5 6 7 8 8		55 00 GHz	-18.24 dBm			Freq Offse 0 H
9 10 11 ·			m	STATUS		

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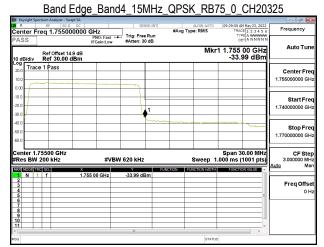
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Band Edge Band4 15MHz QPSK RB75 0 CH20025

		Analyzer - Si									
enter	Freq		2 DC 00000	SHz		SE:INT	#Avg Typ	ALIGN AUTO e: RMS	TRA	M May 23, 2022 CE 1 2 3 4 5 6	Frequency
PASS		f Offset 1	4.9 dB	PNO: Fast ← IFGain:Low	#Atten: 30			Mkr	1 1.710	00 GHz	Auto Tu
0 dB/div	ice 1	ef 30.00 Pass	abm						-20.		
20.0											Center Fr
10.0						~~~~~					1.710000000
0.0											Start Fi 1.695000000 0
0.0						r -				L L	1.695000000
0.0											
0.0					_						Stop F 1.725000000
0.0											1.725000000
enter Res Bl		00 GHz kHz		#VB	W 620 kHz		;	Sweep 1		0.00 MHz (1001 pts)	CF S 3.000000 M
KR MODE	TRC SC 1 f		×	00 GHz	-29,99 dB		CTION FUR	ICTION WIDTH	FUNCT	ON VALUE	Auto 1
2	11		1.710	00 GHZ	-29.99 dB	m					Freq Off
3											i requi
5 6						-				=	
7 8	-										
9	-					-					
1					17						
G								STATU	s		I

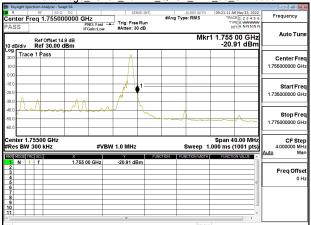


Band Edge_Band4_20MHz_QPSK_RB1_0_CH20050

0 8									Analyzer - Sw		
Frequency	May 23, 2022	TRAC	ALIGN AUTO e: RMS	#Avg Typ	ISE:INT	1	Hz	00000 G		r Freq	ent
Auto Tu	00 GHz	□t 1 1.710	Mkr		Run) dB	Trig: Free #Atten: 30	PNO: Fast ++ Gain:Low	.9 dB	f Offset 14	Re	'AS
Center Fr 1.710000000 G					A					Frace 1	.og 20.0 10.0
Start Fr 1.690000000 G	∧ //		۸ ۸								10.0 20.0 30.0
Stop Fr 1.730000000 G	had	~~~~	JV \	~~	l		h				40.0 50.0 60.0
CF Ste 4.000000 M Auto M	0.00 MHz 1001 pts)	.000 ms (Sweep 1.	TION FUN		1.0 MHz		×	kHz	r 1.710 BW 300	Res
Freq Offs 0	F				3m	-25.70 dE	00 GHz	1.710			1 2 3 4 5 6 7 8 9
			STATUS			87					10 11 5G

Report No.: TERF2204000399E2 Page: 121 of 237

Band Edge_Band4_20MHz_QPSK_RB1_99_CH20300



Band Edge Band4 20MHz QPSK RB100 0 CH20050

	rum Analyzer - Swept	SA						
R enter Fre	RF 50 Ω 9 1.710000		SENSE:IN	#Avg Type	RMS	09:13:30 AM Ma TRACE 1	23456	Frequency
ASS	Ref Offset 14.9 Ref 30.00 dE	PNO: Fast IFGain:Low dB	Trig: Free Run #Atten: 30 dB		Mkr1	TYPE A	GHZ	Auto Tun
og Trace	1 Pass	m				-01.20		Center Fre 1.710000000 GH
				*****	******			
0.0			•				ł	Start Fre 1.69000000 GH
0.0								Stop Fre
enter 1.7" Res BW 3	1000 GHz	#)//	BW 1.0 MHz		woon 1	Span 40.0 000 ms (10		CF Ste 4.000000 MH
R MODE TRO		X 1.710 00 GHz	-31.25 dBm	FUNCTION	<u> </u>	FUNCTION		Auto Ma
2 3 4 5 6								Freq Offs 0 H
0 7 8 9 0								
1							- +	
G					STATUS			

Band Edge Band4 20MHz QPSK RB100 0 CH20300

Keysight Spectrum								- 8 ×
R R Center Freq	F 50 Ω DC 1.755000000	GHz	SENSE:IN	#Avg	ALIGN AUTO Type: RMS	09:24:13 AM May TRACE 1 2 TYPE A W	3456	Frequency
10 dB/div Re	f Offset 14.9 dB f 30.00 dBm	PNO: Fast ↔ IFGain:Low	#Atten: 30 dB		Mkr	1 1.755 00 -36.08	GHz	Auto Tune
20.0 Trace 1 1								Center Freq 1.755000000 GHz
-10.0			1_					Start Fred 1.735000000 GH:
-40.0							_	Stop Free 1.775000000 GH:
Center 1.7550 Res BW 300	kHz	#VBW	/ 1.0 MHz	FUNCTION	Sweep 1	Span 40.00 .000 ms (100	1 pts)	CF Step 4.000000 MH Auto Mar
1 N 1 f. 2 3 4 5 6 5 6 7 7 8 9 10 10 11 11 10 11 11 10 11 <td< td=""><td></td><td>55 00 GHz</td><td>-36.08 dBm</td><td>FUNCTION</td><td></td><td>PURCHON VIO</td><td></td><td>Freq Offse 0 H:</td></td<>		55 00 GHz	-36.08 dBm	FUNCTION		PURCHON VIO		Freq Offse 0 H:
e la					STATUS		+	

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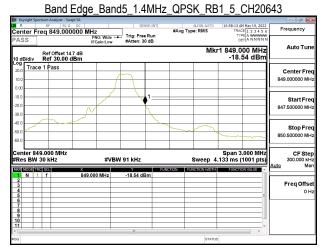
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Band Edge Band5 1.4MHz QPSK RB1 0 CH20407

	sight	Spectru		nalyzer																	_	- 6
N R Cent	ter	Free	RF q 8	24.0	οΩ 000	DC 000	мн	z			SE	VSE:INT		#Avg		ALIGN AUTO e: RMS	1	0:27:01 / TRA	CE 1 2 PE A W	3456		Frequency
PAS	-	F	tef Ref	Offse 30.0	t 14. 10 d	7 dB	ii :		Wide * n:Low	•	#Atten: 3	0 dB				м	kr1	824.0	ET A N	MHz		Auto Tui
.0g 20.0 10.0 0.00	Tra	ice 1	I P:	ass								ſ		}							8	Center Fr 24.000000 M
10.0 20.0 30.0												۲ <u>/</u>			5	Ń					8	Start Fr 22.500000 M
40.0 50.0 60.0	}	~~~	-	~~~	~	/	~	~		/								~		~~	8	Stop Fr 25.500000 M
Res	s Bl	N 30	k	0 MH Hz	z				#VB	W 9	91 kHz					Sweep	4.13		(1001	pts)	Auto	CF St 300.000 k
1 2 3 4 5 6 7 8 9	N	1	f			*	324.0	00 N	AHz.		-20.15 di		UNC	TION	FUN	CTION WIDT		FUNCT	ION VALU			Freq Offe 0
11		T									87						1					



Band Edge_Band5_1.4MHz_QPSK_RB6_0_CH20407

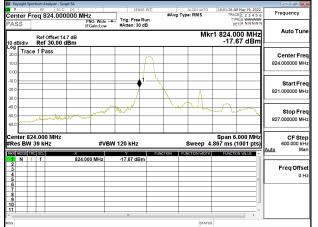
	ectrum Analyzer - Swe		_				- 6 🛋
Center F	RF 50 Ω req 824.000		SENSE:INT	#Avg Typ	ALIGN AUTO Re: RMS	10:30:11 AM May 19, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS	Ref Offset 14. Ref 30.00 d		#Atten: 30 dB		Mkı	1 824.000 MHz -23.33 dBm	Auto Tun
20.0 Trac	e 1 Pass						Center Fre 824.000000 MH
-10.0 -20.0 -30.0							Start Fre 822.500000 MH
-40.0 -50.0 -60.0							Stop Fre 825.500000 Mi
Center 82 #Res BW		#VI	BW 91 kHz		Sweep 4	Span 3.000 MHz 133 ms (1001 pts) FUXENONVALUE	
1 N 1 2 3 4 5 6 7 8 9		824.000 MHz	-23.33 dBm				Freq Offs 01
10 11 (15G			π.		STATUS		

Report No.: TERF2204000399E2 Page: 122 of 237

Band Edge Band5 1.4MHz QPSK RB6 0 CH20643

- 6 E										Analyzer - S		
Frequency	5 6	42 AM May 19, 20 TRACE 1 2 3 4 TYPE A WWW DET A NNN	TRA	ALIGN AUTO pe: RMS	#Avg			Hz PNO: Wide ↔	0 Ω DC		r Freq	ent AS:
Auto Tur		9.000 MH 25.87 dB		Mk						of Offset		dB
Center Fre	11				_				_	Pass	race 1	9 0.0
849.000000 MH							~			~~~~	- (0.0
Start Fre	ł	_			-	1	H		_		\rightarrow	0.0
847.500000 MH	1					<u> </u>	1				/	0.0 0.0
Stop Fre	-It	_		m	-				_			0.0
850.500000 MH												0.0 0.0
CF Ste 300.000 ki	s)	n 3.000 Mł 1s (1001 pt	.133 ms	Sweep 4	NCTION		ý 91 kHz	#VBV	z		r 849.0 BW 30 CENCER	Res
Freq Offs						Bm	-25.87 d	.000 MHz	849		1 f	
01										-		4
						_				-		6 7 8
												9 0 1
	- I	•				+	ш				+ +	Ľ

Band Edge Band5 3MHz QPSK RB1 0 CH20415



Band Edge Band5 3MHz QPSK RB1 14 CH20635

	trum Analyzer - Swept SA					- 8 ×
R Center Fre	RF 50 Ω DC eq 849.000000		SENSE:INT	#Avg Type: RMS	10:10:49 AM May 19, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWW	Frequency
PASS	Ref Offset 14.7 dB Ref 30.00 dBm	PNO: Wide ++ IFGain:Low	#Atten: 30 dB	Mki	r1 849.000 MHz -16.29 dBm	Auto Tune
00	1 Pass		Λ			Center Fred 849.000000 MHz
-10.0						Start Free 846.000000 MH
-40.0		Vecel				Stop Free 852.000000 MH
Center 849 #Res BW 3			120 kHz	Sweep 4	Span 6.000 MHz .867 ms (1001 pts)	CF Step 600.000 kH Auto Mar
1 N 1 2 3 4 5 6 7 8 9		149.000 MHz	-16.29 dBm		E	Freq Offse 0 H;
10 11 < [m	STATUS	•	

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Band Edge_Band5_3MHz_QPSK_RB15_0_CH20415

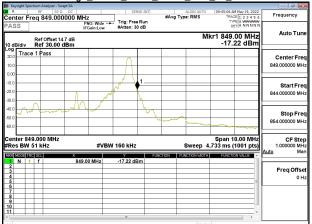
	ectrum Analyzer - Swej					
R Center F	RF 50 Ω req 824.000		SENSE:INT	#Avg Type: RMS	10:02:23 AM May 19, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWW	Frequency
PASS	Ref Offset 14. Ref 30.00 d		#Atten: 30 dB	Mł	cr1 824.000 MHz -26.13 dBm	Auto Tui
20.0 Trac	e 1 Pass					Center Fr 824.000000 M
20.0						Start Fr 821.000000 M
40.0 50.0 50.0						Stop Fr 827.000000 N
enter 82 Res BW		#VB	W 120 kHz	Sweep 4	Span 6.000 MHz 4.867 ms (1001 pts)	CF SI 600.000 F Auto
1 N 1 2 3 4 5 6		824.000 MHz	-26.13 dBm			Freq Off
7 8 9 10 11			57			
sg				STAT	JS	L

	14:39 AM May 19, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNNN	TI	ALIGN AUTO e: RMS	#Avg Typ			MHz PNO: Wide IFGain:Low	50 Ω DC .0000000 I	r⊮ q 849.	Free	nter SS
Auto Tu	49.000 MHz -31.55 dBm		Mk					et 14.7 dB .00 dBm			IB/di
Center Fr 849.000000 M									1 Pass	race 1	
Start Fr 846.000000 N					•1-						
Stop Fr 852.000000 M											
CF SI 600.000 F	an 6.000 MHz ms (1001 pts)	1.867 ms	<u> </u>		2	V 120 kHz	#VE			W 39	s B
Freq Off 0	FUNCTION VALUE	FUN	CTION WIDTH	ICTION	Bm	-31.55 dl	9.000 MHz	× 84	f	1	

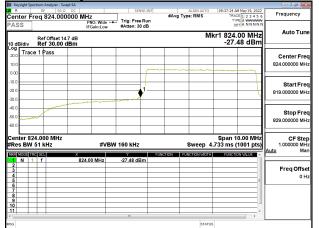
Band Edge Band5 5MHz QPSK RB1 0 CH20425

- @									Analyzer - Swe		
Frequency	May 19, 2022	TRAC	ALIGN AUTO e: RMS	#Avg Typ	SE:INT		O: Wide 🔸	000 MHz			
Auto Tu	00 MHz 25 dBm	۰۰ r1 824.	M			#Atten: 3	O: Wide ↔ iain:Low	IFG 7 dB	f Offset 14. ef 30.00 d	Re	AS
Center Fre 824.000000 Mi					Λ				Pass	Frace 1	.0g 20.0 10.0
Start Fre 819.000000 Mi				ww	1-4	-)					10.0 20.0 30.0
Stop Fr 829.000000 M	An	~~~		he.		w v	~~~~	لسلاسيل	and the state of the	- Maria	40.0 50.0 60.0
CF St 1.000000 M Auto M	0.00 MHz 1001 pts)	.733 ms (Sweep 4.		FUNK	160 kHz	#VBW	x	kHz	r 824.0 BW 51	Res
Freq Offs 0					im	-19.25 dE) MHz	824.00			1 2 3 4 5 6 7 8
	•		STATUS			17					9 10 11 sg

Band Edge_Band5_5MHz_QPSK_RB1_24_CH20625



Band Edge_Band5_5MHz_QPSK_RB25_0_CH20425



Band Edge Band5 5MHz QPSK RB25 0 CH20625

Keysight Spectrum Analys					- 8 💌
R RE Center Freq 849	50 Ω DC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:45:29 AM May 19, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWW	Frequency
10 dB/div Ref 30	PNO: Wide IFGain:Lov set 14.7 dB 1.00 dBm		M	kr1 849.00 MHz -30.97 dBm	Auto Tuno
20.0 Trace 1 Pass 10.0 0.00					Center Freq 849.000000 MHz
-10.0 -20.0 -30.0		1			Start Free 844.000000 MH2
-40.0		\			Stop Frec 854.000000 MH2
Center 849.000 M #Res BW 51 kHz		'BW 160 kHz	Sweep 4	Span 10.00 MHz .733 ms (1001 pts)	CF Step 1.000000 MH: Auto Mar
All Doc Doc 1 N 1 f 2 3 3 4 5 6 6 7 7 8 9 9 10 10 11	849.00 MHz	-30.97 dBm		F CHENNE AND A CHE	Freq Offsel 0 Hz
<			STATU	•	

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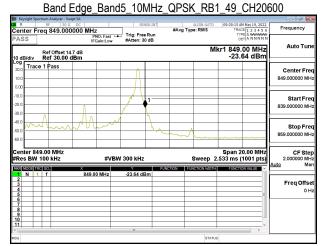
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Band Edge Band5 10MHz QPSK RB1 0 CH20450

	um Analyzer - Swep						
enter Free	RF 50 Ω q 824.0000	DC DOO MHz PNO: Fast	SENSE:INT	#Avg Type:		TRACE 1 2 3 4 5 6 TYPE A WWWW	Frequency
10 dB/div F	Ref Offset 14.3 Ref 30.00 d	IFGain:Lov 7 dB				24.00 MHz 19.16 dBm	Auto Tui
20.0 Trace 1	l Pass		A				Center Fr 824.000000 M
20.0				W N			Start Fr 814.000000 M
40.0 50.0 60.0	m	un min Unt	-M	m	Nhm	~~~	Stop Fr 834.000000 N
enter 824. Res BW 10	00 kHz		BW 300 kHz		weep 2.533 r	<u>, , ,</u>	CF St 2.000000 N Auto N
MAR MODE TRO E 1 N 1 2 3 4 5 6 7 7 8 9 9 10 11		X 824.00 MHz	-19.16 dBm	FUNCTION	FUNIWIDTH		Freq Offs 0



Band Edge Band5 10MHz QPSK RB50 0 CH20450

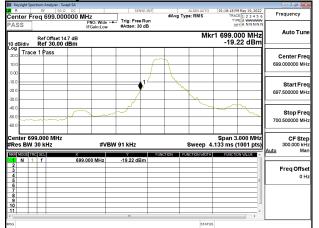
	im Analyzer - Swept					
R Center Fred		00 MHz	SENSE:INT	#Avg Type: RMS	09:10:07 AM May 19, 2022 TRACE 1 2 3 4 5 6	Frequency
	Ref Offset 14.7 Ref 30.00 dE		Trig: Free Run #Atten: 30 dB	М	kr1 824.00 MHz -28.99 dBm	Auto Tur
20.0 Trace 1						Center Fr 824.000000 M
-10.0						Start Fr 814.000000 M
40.0 50.0 60.0						Stop Fr 834.000000 M
enter 824.0 Res BW 10	0 kHz	#VE	3W 300 kHz	Sweep 2	Span 20.00 MHz 2.533 ms (1001 pts) FUNCTION WALLE	CF St 2.000000 M Auto M
	f	824.00 MHz	-28.99 dBm			Freq Off
5 6 7 8 9 10						

Report No.: TERF2204000399E2 Page: 124 of 237

Band Edge Band5 10MHz QPSK RB50 0 CH20600

- 6						Analyzer - Swept SA		
Frequency	09:30:41 AM May 19, 2022	ALIGN AUTO		SENSE:I		F 50 Ω DC		R
	TYPE A WWWW DET A NNNNN	Type: RMS	#A\	Trig: Free Ru #Atten: 30 dE	PNO: Fast +++ IFGain:Low	849.000000 N		ant AS:
Auto Tui	r1 849.00 MHz -32.39 dBm	Mk				f Offset 14.7 dB of 30.00 dBm		dB
Center Fre						Pass	Trace 1	
								- 1
849.000000 MI							~~~~	0.0 .00
Start Fre								0.0
								0.0
839.000000 MI				1				0.0
	Ir		- marine	-				0.0
Stop Fre		my -						0.0
859.000000 MI		~~~						0.0
CF Ste	Span 20.00 MHz						er 849.0	
2.000000 M	533 ms (1001 pts)	· · ·		300 kHz	#VBW		BW 10	
	FUNCTION VALUE	FUNCTION WIDTH	FUNCTION	-32.39 dBm	49.00 MHz		ODE TIRC SA N 1 1	1
Freq Offs								2
01								4
	=							5 6
								7
								8
								9
	*							0 1

Band Edge Band12 1.4MHz QPSK RB1 0 CH23017



Band Edge Band12 1.4MHz QPSK RB1 5 CH23173

Keysight Spectrum Analyze					- d ×
R RF Center Freq 716.	50 Ω DC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	01:41:40 PM May 19, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS Ref Offs	et 14.7 dB .00 dBm	→ Trig: Free Run #Atten: 30 dB		r1 716.000 MHz -20.85 dBm	Auto Tun
0 dB/div Ref 30. 20.0 Trace 1 Pass 10.0 0.00		\frown			Center Fre 716.000000 MH
20.0					Start Fre 714.500000 MH
x0.0 50.0 50.0		<u> </u>		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Stop Fre 717.500000 MH
enter 716.000 M Res BW 30 kHz		W 91 kHz	Sweep 4	Span 3.000 MHz .133 ms (1001 pts) FUXENDRY WALLE	CF Ste 300.000 kł Auto Ma
N 1 f 2 - - 3 - 4 5 - - 6 - 7 8 - - 9 - 00	716.000 MHz	-20.85 dBm		E	Freq Offse 0 ⊦
11		m.	STATU	s	

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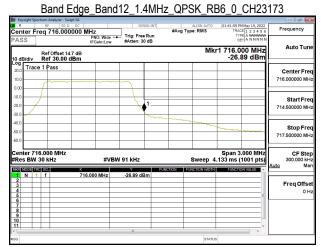
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Band Edge Band12 1.4MHz QPSK RB6 0 CH23017

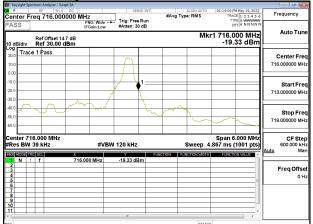
	ht Spectru	ım Analyzer - Swi									
a R Cente	r Free	RF 50 Ω g 699.000	000 MHz			E:INT	#Avg T)	ALIGN AUTO	TRAC	M May 19, 2022	Frequency
PASS		Ref Offset 14	IFG	D:Wide ↔ ain:Low	H Trig: Free #Atten: 30	Run dB		Mk	n1 699.0	00 MHz	Auto Tur
00	race 1					~~					Center Fre 699.000000 Mi
20.0						<u>,</u>					Start Fr 697.500000 M
10.0 50.0											Stop Fr 700.500000 M
Res E	r 699. 3W 30		×	#VB\	N 91 kHz	FUNC	TION	Sweep 4	.133 ms (.000 MHz 1001 pts)	CF St 300.000 k Auto M
1 N 2 3 4 5 6 7		f	699.000	MHz	-26.08 dB						Freq Offs 0
8 9 10 11					11						



Band Edge_Band12_3MHz_QPSK_RB1_0_CH23025

	rum Analyzer - Swep							- 8 ×
Center Fre	RF 50 Ω eq 699.0000				ALIGN AUTO vg Type: RMS	TRAC	May 19, 2022	Frequency
10 dB/div	Ref Offset 14.3 Ref 30.00 d			0 dB	м	⁰⁶ kr1 699.0	ANNNN	Auto Tune
20.0 Trace	1 Pass			Λ				Center Free 699.000000 MH
-10.0 -20.0 -30.0								Start Free 696.000000 MH
-40.0 -50.0 -60.0		~~~~~	and the second				~	Stop Fre 702.000000 MH
Center 699 #Res BW 3	9 kHz	#	VBW 120 kHz	FUNCTION	Sweep	4.867 ms (.000 MHz 1001 pts)	CF Ste 600.000 kH Auto Ma
1 N 1 2 3	f	699.000 MH;	z -19.93 di	Bm			=	Freq Offse
4 5 6 7 8							=	

Band Edge_Band12_3MHz_QPSK_RB1_14_CH23165



Band Edge Band12 3MHz QPSK RB15 0 CH23025

Bit Product Prod Product Product <		um Analyzer - Swept SA					
ASS PHO Wells Trg: Free Run Biological Markets Mix1 699.000 MHz -29.63 dBm Auto Tur abs: 000 000 000 000 000 000 000 000 000 00	R enter Free					TRACE 1 2 3 4 5 6	Frequency
ag and the source down Trace 1 Pass Center Fre ag and the source down Center Fre 699,000000 MH ag and the source down Start Fre 699,000000 MH ag and the source down Start Fre 699,00000 MH ag and the source down Start Fre 699,00000 MH ag and the source down Start Fre 699,00000 MH ag and the source down Start Fre 600,00000 MH ag and the source down Start Fre 600,00000 MH ag and the source down Start Fre 600,0000 MH ag and the source down Start Fre 600,0000 MHz ag and the source down Start Fre 600,0000 MHz ag and the source down Start Fre 600,0000 MHz ag and the source down Start Fre 600,0000 MHz ag and the source down Start Fre 600,0000 MHz ag and the source down Start Fre 600,0000 MHz ag and the source down Start Fre 600,0000 MHz ag and the source down Start Fre 600,0000 MHz ag and the source down Start Fr	ASS	Ref Offset 14.7 dE	PNO: Wide ↔ IFGain:Low	≓ Trig: Free Run #Atten: 30 dB	Mki	DET A NNNNN r1 699.000 MHz	Auto Tun
00 00<	0.0		1 			-23.00 0.011	Center Fre
000000000000000000000000000000000000	.00						699.000000 MH
00 00 00 00 00 00 00 00 00 00							
0			~~~~~			L L	030.000000 mil
Non-ref Span 0.00 MHz CF Ste Res BW 39 kHz #VBW 120 kHz Sweep 4.367 ms (1001 pts) Addo Normalized by the second s	0.0						
VIDUE X Y PAILTON	enter 699.		#VBV	V 120 kHz	Sweep 4		600.000 kł
Freq Offs Freq Offs Freq Offs Freq Offs	1 N 1				UNCTION FUNCTION WIDTH	FUNCTION VALUE	Auto Ma
	3						
	3						
	9						
S STATUS	g	- 1		ш		· · ·	

Band Edge Band12 3MHz QPSK RB15 0 CH23165

	ectrum Analyzer - Swept SA					- 0 ×
Center F	RF 50 Ω DC req 716.000000	MHz	SENSE:INT	#Avg Type: RMS	01:15:01 PM May 19, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS	Ref Offset 14.7 dB Ref 30.00 dBm	PNO: Wide	#Atten: 30 dB	Mk	r1 716.000 MHz -29.43 dBm	Auto Tune
20.0 Trac	e 1 Pass		~~~_			Center Freq 716.000000 MHz
-10.0			1-			Start Free 713.000000 MHz
-40.0 -50.0 -60.0						Stop Fred 719.000000 MH;
#Res BW	RC SCL X		120 kHz	Sweep 4	Span 6.000 MHz 1.867 ms (1001 pts) FUNCTION WALLE ^	CF Step 600.000 kH <u>Auto</u> Mar
1 N 1 2 3 4 5 6 7 8	f 7'	16.000 MHz	-29.43 dBm			Freq Offset 0 Ha
9 10 11 <			Ш	STATU	*	

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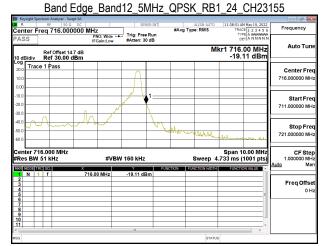
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Band Edge Band12 5MHz QPSK RB1 0 CH23035

Keysight S		Analyzer - Sw			1						
	 ■req		000 MH:	z		ISE:INT	#Avg T	ALIGN AUTO	TRAC	M May 19, 2022	Frequency
PASS		f Offset 14 f 30.00 (IF .7 dB	NO: Wide + Gain:Low	#Atten: 3			м	⊳ kr1 699.		Auto Tu
og 20.0 Tra 10.0	ce 1 F	Pass				Λ					Center Fr 699.000000 M
20.0						1	L.				Start Fr 694.000000 M
40.0 50.0 50.0					\sim		- V			$\Lambda_{\Lambda_{i}}$	Stop Fr 704.000000 M
enter 6 Res BV	51	Hz		#VB	W 160 kHz			· ·	.733 ms (CF St 1.000000 M Auto M
1 N 2 3 4 5 6 7 7 8 9 10 11			× 699.0	0 MHz	-18,18 di			UNCTION WIDTH	FUNCTI		Freq Offs 0



Band Edge Band12 5MHz QPSK RB25 0 CH23035

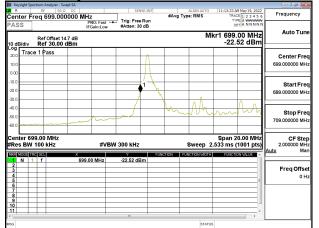
	pectrum Analyzer - Swept SA					- 🗗 💌
🗴 R Center F	RF 50 Ω DC req 699.000000		SENSE:INT	ALIGN AUTO #Avg Type: RMS	TRACE 1 2 3 4 5 6	Frequency
PASS	Ref Offset 14.7 dE Ref 30.00 dBm		, ⊤rig: Free Run #Atten: 30 dB	M	TYPE A WWWWW DET A NNNNN Ikr1 699.00 MHz -28.80 dBm	Auto Tun
20.0 Trai	ce 1 Pass		~			Center Fre 699.000000 MH
-10.0 -20.0 -30.0						Start Fre 694.000000 MH
-40.0 -50.0						Stop Fre 704.000000 MH
#Res BW		• • • • • • • • • • • • • • • • • • •		Sweep	Span 10.00 MHz 4.733 ms (1001 pts)	CF Ste 1.000000 MH Auto Ma
1 N 2 3 4 5 6 7 7 8 9 9 10 11		699.00 MHz	-28.80 dBm			Freq Offs 0 H
MSG			87.	STAT	us	<u> </u>

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Band Edge Band12 5MHz QPSK RB25 0 CH23155

	M May 19, 2022	11.42.27.48	ALIGN AUTO		NSE:INT			50 Ω DC	n Analyzer - 1	t spectrum	R
Frequency	2 1 2 3 4 5 6 E A WWWW	TRAC	pe: RMS	#Avg Ty				000000 M			
	ANNNN	DE				#Atten: 3	PNO: Wide +++ IFGain:Low				SS
Auto Tui	00 MHz 91 dBm	kr1 716. -28.9	M					t 14.7 dB)0 dBm			dB/d
Center Fr										race 1	
716.000000 M											
710.000000 m										~~~~~	
Start Fr								_			.0
711.000000 M					•1	4					.0 /
					man						.0
Stop Fr		man	~								
721.000000 M	m		_					_			.0
CF St	0.00 MHz	Span 1						lz	00 MHz	716.0	nter
1.000000 M	1001 pts)		Sweep 4			160 kHz	#VBW		kHz	W 51	es E
idito M	IN VALUE	FUNCTION	UNCTION WOTH	CTION FI		-28.91 d	6.00 MHz	× 71		TRC SC	R MOD
Freq Offs											_
0					_				-		
	1			_	_						
				_							

Band Edge Band12_10MHz_QPSK_RB1_0_CH23060



Band Edge_Band12_10MHz_QPSK_RB1_49_CH23130

Keysight Spectrum Analyzer - Swept SA					- d ×
R RF 50 Ω DC		SENSE:INT	#Avg Type: RMS	11:21:50 AM May 19, 2022 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 14.7 dB	PNO East	'rig: Free Run Atten: 30 dB		kr1 716.00 MHz -19.39 dBm	Auto Tun
0 dB/div Ref 30.00 dBm og Trace 1 Pass 10.0 0.00				-19.39 UBII	Center Fre 716.000000 MH
0.0					Start Fre 706.000000 M⊦
40.0 50.0 60.0	Num		m		Stop Fre 726.000000 MH
enter 716.00 MHz Res BW 100 kHz	#VBW 3(Sweep 2	Span 20.00 MHz 533 ms (1001 pts)	CF Ste 2.000000 Mł Auto Mi
N 1 f 3 4 5 6 7 8 9	716.00 MHz -	19.39 dBm			Freq Offs 0 H
10 11 50		ш	STATUS		

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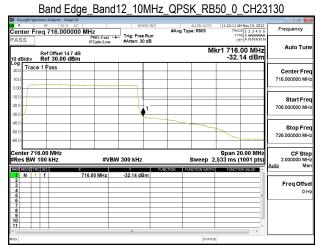
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Band Edge Band12 10MHz QPSK RB50 0 CH23060

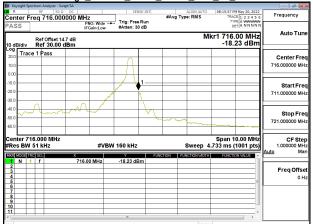
	pectrum Analyzer - S						
a R Center F	RF 50 Freq 699.00	0000 MHz	SENSE:11	#Avg Typ	ALIGN AUTO	11:14:45 AM May 19, 202 TRACE 1 2 3 4 5 TYPE A WWWW	Frequency
PASS	Ref Offset 1			1	м	kr1 699.00 MHz -33.09 dBm	Auto Tui
0 dB/div 0 Tra 20.0 Tra	Ref 30.00 ce 1 Pass						Center Fr 699.000000 M
20.0							Start Fr 689.000000 M
10.0 50.0 50.0							Stop Fr 709.000000 N
Res BV	99.00 MHz / 100 kHz		/BW 300 kHz		<u> </u>	Span 20.00 MHz 533 ms (1001 pts	
I N 2 3 4 5 6 7 8 9 10 11		X 699.00 MHz	Y -33.09 dBm	FUNCTION FU	NOTION WIDTH		Freq Off



Band Edge Band17 5MHz QPSK RB1 0 CH23755

									n Analyzer -		
Frequency	May 19, 2022	TRAC	ALIGN AUTO e: RMS	#Avg Typ		SENS		50 Ω DC DOOOOO N			R nter
Auto Tu	00 MHz	kr1 704.	Mł			#Atten: 30	PNO: Wide ++ IFGain:Low	t 14.7 dB 00 dBm	ef Offset ef 30.00		.SS dB/div
Center Fr 704.000000 M					Λ				Pass	ace 1	9 Tra
Start Fi 699.000000 N	~		0.	Con and a second se	í	-					.0
Stop F 709.000000 1	/ h			<u> </u>		\mathcal{I}				~~~	.0
CF S 1.000000 / Auto	0.00 MHz 1001 pts)	.733 ms (1	Sweep 4.		FUNC	160 kHz		×		W 51	es Bi
Freq Off C					n	-18.68 dB	14.00 MHz	7		1 f	N

Band Edge_Band17_5MHz_QPSK_RB1_24_CH23825



Band Edge Band17 5MHz QPSK RB25 0 CH23755

	rum Analyzer - Swept SA					
R enter Fre	RF 50 Ω DC	MHz	SENSE:INT	ALIGN AUTO #Avg Type: RMS	01:56:41 PM May 19, 2022 TRACE 1 2 3 4 5 6	Frequency
ASS	Ref Offset 14.7 dE	PNO: Wide ++ IFGain:Low	Trig: Free Run #Atten: 30 dB	M	kr1 704.00 MHz -31.44 dBm	Auto Tun
	1 Pass					Center Fre
.00						704.000000 MH
.0	_					Start Fre
0.0			¹			699.000000 Mi
1.0						Stop Fre
0.0						709.000000 MH
enter 704 tes BW 5	.000 MHz 1 kHz	#VBW	/ 160 kHz	Sweep 4	Span 10.00 MHz .733 ms (1001 pts)	CF Ste 1.000000 MI Auto Mi
R MODE TRO	SGL)	704.00 MHz	-31.44 dBm	NCTION FUNCTION WIDTH	FUNCTION VALUE	Auto m
2						Freq Offs
5					E	
8 9 0						
1						
3				STATU	5	E

Band Edge Band17 5MHz QPSK RB25 0 CH23825

	trum Analyzer - Swept SA					- & ×
Center Fr	RF 50 Ω DC eq 716.000000 I	MHz	SENSE:INT	ALIGN AUTO #Avg Type: RMS	02:06:48 PM May 19, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
PASS	Ref Offset 14.7 dB Ref 30.00 dBm	PNO: Wide ++ IFGain:Low	Trig: Free Run #Atten: 30 dB	Ν	/kr1 716.00 MHz -29.10 dBm	Auto Tune
Log 20.0 Trace 10.0	1 Pass					Center Freq 716.000000 MHz
-10.0			1-			Start Free 711.000000 MHz
-40.0 -50.0 -60.0						Stop Free 721.000000 MH:
Center 710 Res BW 4		#VBW	160 kHz	Sweep	Span 10.00 MHz 4.733 ms (1001 pts)	CF Stej 1.000000 MH <u>Auto</u> Ma
1 N 1 2 3 4 5 6 6	f 7	'16.00 MHz	-29.10 dBm		E	Freq Offse 0 H
7 8 9 10 11						
∢ [m	STAT	'US	

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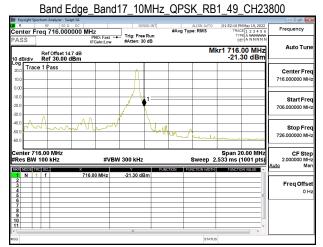
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Band Edge_Band17_10MHz_QPSK_RB1_0_CH23780

XI R	-		n Analyzer - RF 50 704.0	Ω DC	MHz	1	.		ISE:INT	#Avg		LIGN AUTO	TR	PM May 23, 202 ACE 1 2 3 4 5 YPE 4 WWWW	6	Frequency
PAS:	-		ef Offset ef 30.0		IFG	O: Fast ain:Low		g: Free ten: 3				м	kr1 704	.00 MH: .39 dBn	z	Auto Tur
20.0 10.0	Tra	ce 1	Pass						A						71	Center Fr 04.000000 M
10.0 20.0 30.0									1						6	Start Fr 94.000000 M
40.0 50.0 60.0					nel	1	~	ſ		ww	~	M	m	An	7	Stop Fr 14.000000 M
Res	s BV		0 MHz 0 kHz			#VE	3W 300	kHz	FUN	STION	_	weep 2	2.533 ms	20.00 MH (1001 pts		CF St 2.000000 M M
1 2 3 4 5 6 7 8 9		1			704.00	MHz	-21	.39 dE	3m							Freq Offs 0
10 11 sg		+				-		17				STATU				



Band Edge_Band17_10MHz_QPSK_RB50_0_CH23780

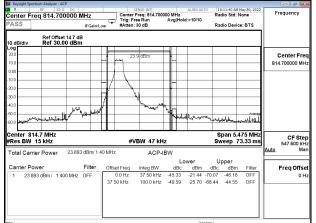
	<u> </u>					
Keysight Spectrum An						
Center Freq 70	50 Ω DC 04.000000 MHz PNO: Fas	SENSE:INT	#Avg Typ	ALIGN AUTO e: RMS	03:54:35 PM May 23, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWWW	
10 dB/div Ref	Diffset 14.7 dB 30.00 dBm			м	kr1 704.00 MHz -35.04 dBm	8. de 7. u
20.0 Trace 1 Pa	ISS				·····	Center Fre 704.000000 Mi
20.0		1				Start Fr 694.000000 M
40.0 50.0 60.0						Stop Fr 714.000000 M
Center 704.00 M Res BW 100 k		/BW 300 kHz		Sweep 2	Span 20.00 MHz .533 ms (1001 pts) FUXENONVALUE	CF St 2.000000 M Auto M
I I f 2 3 - - 3 - - - - 4 - 5 - - - 6 -	704.00 MHz				E	Freq Offs 0
10 11 sg		17		STATUS	*	

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Band Edge Band17 10MHz OPSK RB50 0 CH23800

		Analyzer - Swe									- # #
R enter F	RF	50 Ω	000 MHz	,	SEI	NSE:INT	#Avg Tr	ALIGN AUTO	TRA	M May 19, 2022	Frequency
ASS		10.000	Р	NO: Fast + Gain:Low	Trig: Free #Atten: 3				TY	PE A WWWWW ET A NNNNN	
0 dB/div		Offset 14. f 30.00 d						М		.00 MHz 75 dBm	Auto Tun
og Tra	ce 1 P	ass									Center Fre
											716.000000 MH
					hanny						716.000000 MF
0.0											
							-	-			Start Fre
0.0	-					1					706.000000 MH
0.0	-				1						
0.0											Stop Fre
0.0					-		-		man-		726.000000 MH
0.0					-		-	-			726.000000 MP
enter 7	16.00	MHz							Snan 2	0.00 MHz	CF Ste
Res BW				#VB	W 300 kHz			Sweep 2			2.000000 MH
KR MODE	TROUSO		x		v	I BI	NCTION F	UNCTION WOTH	FUNCT	ON VALUE	<u>Auto</u> Ma
1 N			716.0	0 MHz	-31.75 di						
2	+										Freq Offs
4	_										0 H
5 6	+										
7											
						-					
8 9 0	_										
9						_					

Emission Mask Band26-Part90s 1.4MHz QPSK RB1 0 CH26697



Emission Mask Band26-Part90s 1.4MHz QPSK RB1 0 CH26740

Keysight Spectrum Analyzer - A									
			SENSE:INT Freq: 819.000	00 MHz	ALIGN AUTO	10:59:28 AM M Radio Std: N		Frequer	ncy
Center Freq 819.00		Trig: F	ree Run	Avg Hol	d:>10/10			·	
PASS	IFGain:L	ow #Atten	: 30 dB			Radio Device	e: BTS		
Ref Offse	t 14 7 dB								
10 dB/div Ref 30.									
20.0				_					
			2.0 dBm					Cente	
10.0		I M						819.0000	OD WH
0.00			-						
10.0	+	H/ \							
20.0		H/ ∖	-						
30.0									
40.0		1	1						
500	ma la	/	and a start of the	UΠ.		1			
Alexen and a second second	July When			That	mahima		Average		
60.0						-httered and a particular state of the second	Service Static		
Center 819 MHz						Span 5.4	75 MHz		
Res BW 15 kHz		#\	/BW 47 kH	z		Sweep 7			F Ste
				-				Auto 647.t	Ma
Total Carrier Power	21.964 dBm/ 1.4	10 MHZ	ACP-I						
					ower	Upper		_	
Carrier Power	Filter	Offset Freq	Integ BW	dBc		Bc dBm	Filter	Freq	
1 21.964 dBm / 1.4	00 MHz OFF	0.0 Hz	37.50 kHz	-45.23	-23.27 -70		OFF		0 F
		37.50 kHz	100.0 kHz	-50.76	-28.80 -66	59 -44.62	OFF		
sg					STATUS				_
					onaros				

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Emission Mask Band26-Part90s 1.4MHz QPSK RB1 0 CH26783

Keysight Spectrum Analyzer - ACP									- 6
R RF 50 Ω DC	MHz		NSE:INT rea: 823.3000	000 MHz	ALIGN AUTO	05:54:58 PM Radio Std:		Fre	quency
PASS	IFGain:Low	Trig: Fre #Atten: 3		Avg Hold	1:>10/10	Radio Devid	e: BTS		
Ref Offset 14.7 dl 0 dB/div Ref 30.00 dBn									
.og 20.0		23.8	dBm	-				с	enter Fre
10.0		m						823.	300000 MI
0.0		\wedge							
0.0		+		$-\Pi$					
0.0	1	1	L						
nn	mont		When a the	W ₁					
0.0 warne the second and	·			1	endower.	*****	Average		
enter 823.3 MHz Res BW 15 kHz		#VE	3W 47 kH	z		Span 5. Sweep 7			CF Ste 547.500 ki
otal Carrier Power 23.80	7 dBm/ 1.40 N	ИНz	ACP-II	BW				Auto	м
					wer	Upper			
Carrier Power			Integ BW	dBc		iBc dBm	Filter	F	req Offs
1 23.807 dBm / 1.400 MHz		0.0 Hz	37.50 kHz	-43.97	-20.17 -71		OFF		0
		37.50 kHz	100.0 kHz	-48.92	-25.11 -69	38 -45.57	OFF		
sg					STATUS				



										- @ .
R	RF 50 Ω DC			SENSE:INT		ALIGN AUTO	10:13:12 AM		Fre	auencv
Center Fr	eq 814.700000	MHz		r Freq: 814.7000 Free Run	AvalHol		Radio Std: I	None		quency
PASS		IFGain:Lo		: 30 dB	Avginon	1 10/10	Radio Devic	e: BTS		
	Ref Offset 14.7	4D								
0 dB/div	Ref 30.00 dB									
og 20.0			+							enter Fr
0.0			- 1 2	3.9 dBm						700000 M
									814.	00000 M
.00										
0.0			-		ΥH-					
0.0					<u>ال</u>					
0.0	_			-1/	-17-					
0.0			mum	N	11					
0.0			7/		Man			Average		
0.0	and manufacture and		1				الإسدائيو (ملو / وعلام	Contraction of the same		
enter 81							Span 5.4			CF St
Res BW	15 KHZ		#	VBW 47 kH	z		Sweep 7	3.33 ms		547.500 k
otal Carri	ier Power 23.8	62 dBm/ 1.4	0 MHz	ACP-II	BW				Auto	N
					Lo	wer	Upper			
arrier Po	wer	Filter	Offset Freq	Integ BW	dBc	dBm d	Bc dBm	Filter	F	req Off
1 23.86	62 dBm / 1.400 MH	z OFF	0.0 Hz	37.50 kHz	-70.91	-47.05 -46.		OFF		0
1 23.86	62 dBm / 1.400 MH	z OFF	0.0 Hz 37.50 kHz	37.50 kHz 100.0 kHz	-70.91 -68.89	-47.05 -46. -45.02 -50.		OFF		0
1 23.86	62 dBm / 1.400 MH	z OFF								0
1 23.86	62 dBm / 1.400 MH;	z OFF								0
1 23.86	62 dBm / 1.400 MH:	z OFF								0
1 23.86	62 dBm / 1.400 MH;	z OFF								0
1 23.86	62 dBm / 1.400 MH;	z OFF								c

Emission Mask Band26-Part90s 1.4MHz QPSK RB1 5 CH26740

Keysight Spectrum Analyzer - ACP									
CM R RF 50 Ω DC		SENSE:INT Freq: 819.0000		ALIGN AU		:00:52 AM N lio Std: N	lay 20, 2022	F	requency
Center Freq 819.000000 MH		ree Run	AvaiHolo	1:>10/10	Rad	no sta: N	one	I .	
PASS	Gain:Low #Atten	: 30 dB			Rad	dio Device	BTS		
Ref Offset 14.7 dB 10 dB/div Ref 30.00 dBm									
Log		_							
20.0		19dBm	-1						Center Frea
10.0		(may							9.000000 MHz
0.00									3.000000 Mil 12
-10.0					-				
-20.0		1/	- 14						
-30.0		V	-H						
40.0			N						
	ITTU V The same		KL.	A.			Average		
-60.0	annut		- <u> </u> ->	14	لسا لا	luhin	1.1		
-60.0 promption and a list of the second					-		an all the second		
					-		76 8 8 1		
Center 819 MHz #Res BW 15 kHz	#	VBW 47 kH;	-				75 MHz 3.33 ms		CF Step
#Res BW 15 KHZ	#	V D VV 47 KH	2		31	reep 7.	5.55 IIIS		547.500 kHz
Total Carrier Power 21.888 dB	3m/ 1.40 MHz	ACP-IE	BW					Auto	Man
			1.0	wer	1.6	oper			
Carrier Power F	ilter Offset Freg	Integ BW	dBc	dBm	dBc	dBm	Filter		Freq Offset
1 21 888 dBm / 1 400 MHz OF	F 0.0 Hz	37.50 kHz	-69.62	-47.73	-46.04	-24.15	OFF		0 Hz
1. E1.000 doint 1.400 mile of	37 50 kHz	100.0 kHz	-66.39		-50.93		OFF		0112
	01.001.012	100.01012	00.00	11.00	00.00	20.01			
L									
MSG				ST	ATUS				

Emission Mask_Band26-Part90s_1.4MHz_QPSK_RB1_5_CH26783 R RF 50 Ω DC enter Freq 823.300000 MHz Center Freq: 823.30 Trig: Free Run #Atten: 30 dB 00 MHz Avg|Hold:>10/10 Radio Std: Non Frequenc Radio Device: BTS Ref Offset 14.7 dE Ref 30.00 dBm Center Fre أمالب أواجه ترياحو بالترا Span 5.475 MH Sween 73 33 m er 823.3 MH BW 15 kHz CF Stej 547.500 kH #VBW 47 kH 22.665 ACP-IBV Lowe Uppe Freq Offse dBm dBc dBm -45.15 -44.64 -20.98 -43.87 -49.40 -25.74 23.663 dBm / 1.400 MHz OFF -68.82 -67.53 OF 37 50 kHz 100.0 kHz



Keysight Spectrum Analyzer - ACP							
R RF 50 Ω DC		SENSE:INT Freq: 814.7000			1:13:44 AM Ma dio Std: No		Frequency
		ree Run	Avg Hold:>1	0/10	dio Sta: No dio Device:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Ref Offset 14.7 dB 00 dB/div Ref 30.00 dBm 200 10.0		29 dBm					Center Fre 814.700000 MH
0.00 0.00 0.00 0.00							
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0				water was	pan 5.47		
Res BW 15 kHz	#\	/BW 47 kH	z		veep 73.	.33 ms	CF Ste 547.500 ki
Total Carrier Power 22.934 dB	3m/ 1.40 MHz	ACP-II	BW			t i i	Auto M
			Lower	r U	pper	h	
	ilter Offset Freq	Integ BW		iBm dBc	dBm	Filter	Freq Offs
1 22.934 dBm / 1.400 MHz OF	FF 0.0 Hz 37.50 kHz	37.50 kHz 100.0 kHz		3.00 -51.48 7.69 -50.28	-28.55 -27.34	OFF OFF	01

Emission Mask Band26-Part90s 1.4MHz QPSK RB6 0 CH26740

R RF S	OΩ DC		SENSE:INT		ALIGN AUTO	1:02:50 AM N		
Center Freq 819.0			Freq: 819.000	000 MHz		adio Std: N		Frequency
PASS		Trig: F	ree Run : 30 dB	Avg Hold		adio Device		
A00	IFGain:L	ow #Atten	: 30 05		R	adio Devic	: 515	
	set 14.7 dB							
10 dB/div Ref 30	0.00 dBm							
20.0			0.8 dBm					Center Fr
10.0		-	J.OIUDIII					819.000000 M
		14500400	manging					013.000000 m
0.0				i H				
0.0			_					
0.0			_	¥.				
0.0		1	_	1 Maria				
0.0	and and a start of the start of	r 🛛			and a second with	~	Average	
60.0 march and a lay warm	and haden produced and and				aroute and a	- annound	insure love	
~~~								
enter 819 MHz						Span 5.4		CF St
Res BW 15 kHz		#	VBW 47 kH	z	S	weep 7		547.500 k
Fotal Carrier Power	20.788 dBm/ 1.4	40 MHz	ACP-	BW				<u>Auto</u> M
					wer l	Jpper		
Carrier Power	Filter	Offset Freq	Integ BW	dBc	dBm dBc		Filter	Freq Offs
1 20.788 dBm / 1	400 MHz OFF	0.0 Hz	37.50 kHz	-52.22	-31.44 -52.64	-31.85	OFF	. 0
		37.50 kHz	100.0 kHz	-54.55	-33.76 -54.01	-33.22	OFF	
		1						
9G					STATUS			

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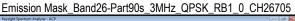
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# Report No.: TERF2204000399E2 Page: 130 of 237

### Emission Mask Band26-Part90s 1.4MHz QPSK RB6 0 CH26783

Keysight Spectr														
Center Fre					Center Fi	NSE:INT reg: 823.300			ALIGN AU		adio Std: I	May 20, 2022 None	F	requency
PASS	9 0201001		n:Low	Ŧ	Trig: Fre #Atten: 3		A	vg Hold	:>10/10	F	Radio Devid	e: BTS		
10 dB/div	Ref Offsel Ref 30.0													
-og 20.0					22.8	dBm								Center Fre
10.0										_			82	3.300000 MH
0.00	_				ronwoodi	and the second sec								
10.0								Ц						
20.0			_	И			Y	Π		_				
0.0				K.			Y	П.		_				
0.0		warder						of some	many					
0.0	-									11	Mar	Average		
0.0 Manual William		. Jan ward war								_		Vierage Viera		
								Ц						
Center 823 Res BW 1					#VE	3W 47 kH	z					175 MHz 3.33 ms		CF Ste 547.500 kl
Fotal Carrie	r Power	22.805 dBm/	1.401	MHz	:	ACP-	вv	/					Auto	м
								Lo	wer		Upper		-	
Carrier Pov		Filte	r i			Integ BW		dBc	dBm	dB		Filter		Freq Offs
1 22.80	5 dBm / 1.40	0 MHz OFF			0.0 Hz	37.50 kHz		8.84	-26.04			OFF		0
				37.5	50 kHz	100.0 kHz	-4	6.41	-23.61	-47.1	9 -24.39	OFF		
sg									51	ATUS				



R         RF         S0 Ω         DC           Center Freq 815.500000 MI         PASS         PASS	<b>Hz</b> IFGain:Low				ALIGN AUT	Rad	:12:52 PM M lio Std: N lio Device		F	requency
Ref Offset 14.7 dB 10 dB/div Ref 30.00 dBm										
20.0 10.0		23.6	dBm		-					Center Freq 5.500000 MHz
-10.0	$\langle \cdot \rangle$				-					
40.0 40.0 50.0 50.0 50.0 50.0		www.ang.wl	and and	Lunde	<b>\</b> ~	and we want	1MH Lu	Averas) Averas		
Center 815.5 MHz #Res BW 30 kHz		#VB	W 91 kH	z				75 MHz 23.8 ms		CF Step 707.500 kHz
Total Carrier Power 23.568 c	IBm/ 3.00 MHz		ACP-II	BW					Auto	Mar
					wer		oper			
Carrier Power F 1 23.568 dBm / 3.000 MHz C			nteg BW 37.50 kHz	dBc -44.82	dBm -21.25	dBc -70.69	dBm -47.12	Filter		Freq Offset 0 Hz
			100.0 kHz	-47.98	-24.41		-45.53	OFF		0112
risg					ST/	TUS			L	

# Emission Mask Band26-Part90s 3MHz QPSK RB1 0 CH26740

Keysight Spectrum Analyzer - ACP										
04 R RF 50 Ω DC			ENSE:INT Freq: 819.0000		ALIGN AU		:25:46 PM N lio Std: N	lay 20, 2022	F	requency
Center Freq 819.000000 M	ЛНZ	Trig: Fr		AvaiHolo	1:>10/10	Rad	ilo sta: N	ione	l .	
PASS	IFGain:Lo			, a girlon		Rac	lio Devic	BTS		
Ref Offset 14.7 dE										
10 dB/div Ref 30.00 dBm										
20.0			2 dBm		+					Center Freq
10.0	HIM.	22	.40bm		11-					
									81	9.000000 MHz
0.00		_								
-10.0	<u>Ш/ Ч</u>		-							
-20.0	LL/I	<u>`\</u>								
-30.0	HM I	1	A							
		1 2	1							
40.0		The second	w washer mo	hometh	tιυ	_		Averag		
-50.0				W	W.	-	11.	all a L		
-60.0 Major - 40000 - 10 - 4					11.	Sec. Contraction	MAN	<u>AMAN MARA</u>		
Center 819 MHz								75 MHz		CF Step
#Res BW 30 kHz		#\	/BW 91 kH	z		s	weep 🔅	23.8 ms		707.500 kHz
Total Carrier Power 22.198	dBm/ 3.0	0 Milia	ACP-I	D) 4/					Auto	Man
Total Camer Power 22.130	ubiii 5.0	0 WII 12	ACP-I						-	
	Filter				wer		oper			-
Carrier Power		Offset Freq	Integ BW	dBc	dBm	dBc	dBm	Filter		Freq Offset
1 22.198 dBm / 3.000 MHz	OFF	0.0 Hz	37.50 kHz	-45.39		-72.72	-50.52	OFF		0 Hz
		37.50 kHz	100.0 kHz	-50.11	-27.91	-67.53	-45.33	OFF	<u> </u>	
1										
MSG					ST	ATUS				

# Emission Mask Band26-Part90s 3MHz QPSK RB1 0 CH26775

N R	trum Analyzer - ACP RF 50 Ω DC			ENSE:INT		ALIGN AUTO	06:39:05 PM Radio Std:	May 20, 2022	Frequency
PASS	eq 822.50000	D MHZ IFGain:L	Trig: Fr		Avg Hold	>10/10	Radio Std: I		
10 dB/div	Ref Offset 14.7 Ref 30.00 dl								
20.0			23	9 dBm					Center Fre
10.0		- 11				-			822.500000 MH
0.00		111							
20.0		НИ	1			H			
30.0		H	N.	4		Ĭ			
		И	human	- margaret					
50.0	a proposition and	M	1944 ~~	" Whenever	proved			Average	
60.0 Magadar.	WP.					$\sim$	rompet/Mitheling	and a second	
Center 82 #Res BW			#V	'BW 91 kH	z			075 MHz 23.8 ms	CF Ste 707,500 kH
Total Carri	er Power 23.	885 dBm/ 3.	00 MHz	ACP-I	BW				Auto Ma
					Lov		Upper		
Carrier Po		Filter	Offset Freq	Integ BW 37.50 kHz	dBc -44.83	dBm -20.95 -7	dBc dBm 5.79 -51.90	Filter	Freq Offs
1 23.88	35 dBm / 3.000 MH	1Z UFF	37.50 kHz	100.0 kHz			2.47 -48.59	OFF	0 H
							IS		

## Emission Mask_Band26-Part90s_3MHz_QPSK_RB1_14_CH26705

Keysight Spectrum Analyzer - ACP								
R         RF         S0 Ω         DC           Center Freq 815.500000 MHz         PASS         IFG				10/10	Radio S	td: None evice: BTS	F	requency
Ref Offset 14.7 dB 10 dB/div Ref 30.00 dBm								
20.0 10.0	23.	8 dBm	n					Center Free 5.500000 MH
20.0				-				
000 400 500 600	rational Carlot	harm	¢	2 2 2 2	, Jan May	Mar Average		
Center 815.5 MHz #Res BW 30 kHz	#V	BW 91 kH	z			7.075 MHz p 23.8 ms		CF Ste 707.500 kH
Total Carrier Power 23.823 dBr	n/ 3.00 MHz	ACP-I	BW				Auto	Ма
Carrier Power Filt			Low		Uppe			
Carrier Power Filt 1 23 823 dBm / 3 000 MHz OFF	onserried	Integ BW 37.50 kHz	dBc	dBm 47.88 -4		Bm Filter		Freq Offse
1 23.823 dbm / 3.000 MHz OFF	37.50 kHz	100.0 kHz			15.94 -22 17.77 -23			υH

### Emission Mask Band26-Part90s 3MHz QPSK RB1 14 CH26740

				- @ <u>-</u>
R RF 50 Ω DC	SENSE:INT Center Freg; 819,000000 M	ALIGN AUTO	06:26:14 PM May 20, 2022 Radio Std: None	Frequency
enter Freq 819.000000 MHz ASS IFGain:Lo	Trig: Free Run Av	g Hold:>10/10	Radio Sta: None	
0 dB/div Ref 30.00 dBm	21.9dBm			Center Fre
0.0		$\Lambda$		819.000000 M
0.0 0.0 0.0	man and the manual for	- Auto	hypellyburn average	
enter 819 MHz Res BW 30 KHz	#VBW 91 kHz		Span 7.075 MHz Sweep 23.8 ms	CF Sto 707,500 k
otal Carrier Power 21.945 dBm/ 3.00	0 MHz ACP-IBW			Auto M
	0 MHz ACP-IBW		Upper	
	Offset Freq Integ BW 0.0 Hz 37.50 kHz -74		Upper c dBm Filter 0 -25.05 OFF	FreqOffs
Carrier Power Filter	Offset Freq Integ BW 0.0 Hz 37.50 kHz -74	Lower dBc dBm dB 4.10 -52.16 -47.0	Upper c dBm Filter 0 -25.05 OFF	Auto Mi Freq Offs 0 I

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# Report No.: TERF2204000399E2 Page: 131 of 237

## Emission Mask Band26-Part90s 3MHz QPSK RB1_14 CH26775

Keysight Spectrum Anal											- 8 ×
R R Center Freq 82	50 Ω DC	Hz	Center F	NSE:INT req: 822.500	000 MHz	ALIGN AUT		dio Std: M	May 20, 2022 None	F	requency
FAIL		IFGain:Lo	Trig: Fre #Atten: 3	e Run 0 dB	Avg Hold	>10/10	Ra	lio Devic	e: BTS		
10 dB/div Ref	Offset 14.7 dB 30.00 dBm										
20.0		-	23.8	dBm	M						Center Fred
0.00					+						2.000000 1111
-20.0				A	/	Ì.					
-40.0			m. Mum	lerna	/	Nu	J.		Average		
-50.0	Wellow when							at the ange	and the second		
Center 822.5 Mi #Res BW 30 kH			#VE	3W 91 kH	z		s	pan 7.0 weep	075 MHz 23.8 ms		CF Stej 707.500 kH
Total Carrier Pov	/er 23.784	dBm/ 3.0	0 MHz	ACP-	BW					Auto	Ma
					Lov			pper			
Carrier Power		Filter	Offset Freq	Integ BW	dBc -73.23	dBm	dBc	dBm	Filter		Freq Offse
1 23.784 dBm	/ 3.000 MHz	OFF	0.0 Hz 37 50 kHz	37.50 kHz 100.0 kHz	-73.23	-49.45 -45.27		-19.79 -24.72	OFF		0 H
			01.00 Mile	100.01012		10.21		22			
nsg			L			ST/	TUS				

# Emission Mask Band26-Part90s 3MHz QPSK RB15 0 CH26705

	trum Analyzer - ACP									
CM R	RF 50 Ω D0			NSE:INT		ALIGN AUTO		May 20, 2022	F	requency
Center Fr	eq 815.50000	0 MHz		req: 815.5000	AvaiHold		Radio Std:	None	l .	requeriey
PASS		IFGain:Lo			Avginoid	1.210/10	Radio Devi	e: BTS		
		ir Gain.co	*							
	Ref Offset 14.7	7 dB								
10 dB/div	Ref 30.00 d	Bm								
Log										
20.0		- 181	22.9	dBm		141				Center Fre
10.0									81	5.500000 MH
0.00		News	outop the provident	******	المديمة كالمحارض					
-10.0		HIV				۱H				
-20.0	_	- HI				14				
-30.0		//				NL				
-40.0		und				1 hours		Average		
40.0	the management of the	·				1	the state of the second	Pretrickland		
-50.0										
-60.0										
Center 81	5.5 MHz						Span 7.	075 MHz		
#Res BW	30 kHz		#VE	3W 91 kH	z			23.8 ms		CF Step 707.500 kH
Total Carri	er Power 22	884 dBm/ 3.0	0 MHz	ACP-I	BW				Auto	Mai
					1.0	wer	Upper			
Carrier Po	wer	Filter	Offset Freq	Integ BW	dBc		dBc dBm	Filter		Freq Offse
1 22.8	34 dBm / 3.000 MI		0.0 Hz	37.50 kHz	-55.98	-33.09 -55		OFF		0 H
1 22.00	54 GDITT - 3.000 WI	12 OFF	37 50 kHz	100.0 kHz	-54.04	-31.16 -53				0H
			57.50 KHZ	100.0 KHZ	-04.04	-51.10 -50	0.01 -00.40	OFF		
MSG						STATU	5			

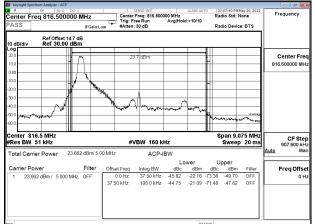
# Emission Mask Band26-Part90s 3MHz QPSK RB15 0 CH26740

Keysight Spectrum Analyzer - ACP										
(X R RF 50 Ω DC			ENSE:INT		ALIGN AU			4ay 20, 2022	F	requency
Center Freq 819.000000 I	MHz	Trig: Fi	Freq: 819.000	AvaiHol	d->10/10	Ra	dio Std: N	ione	I .	
PASS	IFGain:L					Ra	dio Devic	e: BTS	I	
Ref Offset 14.7 d										
10 dB/div Ref 30.00 dBn Log	n									
20.0										Center Frea
	41	20	.9 dBm		1.					
10.0									81	9.000000 MHz
0.00	1000	householden	and a second of	at a second and the	\   -	-				
-10.0					111					
-20.0	ПΙ				Ш					
-30.0	111				1					
-40.0	11				Man	nerrita a	-	Average		
-50.0 and marked and and the second s	<u> </u>						v	Serve Margar		
-60.0										
Center 819 MHz						s	pan 7.0	75 MHz		
#Res BW 30 kHz		#\	/BW 91 kH	z				23.8 ms		CF Step 707.500 kHz
				-					Auto	707.500 KHz Man
Total Carrier Power 20.87	0 dBm/ 3.0	00 MHz	ACP-I	BW					<u>nuto</u>	man
				Lo	ower	U	pper			
Carrier Power	Filter	Offset Freq	Integ BW	dBc	dBm	dBc	dBm	Filter		Freq Offset
1 20.870 dBm / 3.000 MHz	OFF	0.0 Hz	37.50 kHz	-58.15	-37.28	-56.22	-35.35	OFF		0 Hz
		37.50 kHz	100.0 kHz	-59.35	-38.48	-56.57	-35.70	OFF		
		1								
L										
MSG					ST	ATUS			L	

### Emission Mask Band26-Part90s 3MHz QPSK RB15 0 CH26775

R	RF 50 Ω				ENSE:INT Frea: 822.500		ALIGN AU		5:42:21 PM dio Std: I	May 20, 2022	F	requency
ASS	eq 822.500		<b>1Z</b> FGain:Lo	Trig: Fr	ee Run	Avg Hol	d:>10/10		dio Sta: 1 dio Devia			
0 d <u>B/div</u>	Ref Offset Ref 30.00											
.og 20.0			<u> </u>		.9 dBm		₩.					Center Fre
10.0		+-			_							2.500000 MH
0.00			pakn	****	www.www.ww							
0.0												
20.0			Ų				١П					
0.0		н	И				NH					
0.0	Haraman	4599-120					The Real Property in	here the second	monor	Average		
50.0												
50.0												
Center 82 Res BW				#V	'BW 91 kH	z				075 MHz 23.8 ms		CF Ste 707,500 ki
Total Carr	ier Power	22.944 d	Bm/ 3.0	0 MHz	ACP-I	BW					<u>Auto</u>	Ma
		_					wer		pper			
Carrier Po			ilter	Offset Freq	Integ BW	dBc	dBm	dBc	dBm	Filter		Freq Offs
1 22.9	44 dBm / 3.000	0 MHz O	FF	0.0 Hz 37.50 kHz	37.50 kHz 100.0 kHz	-53.62 -50.60	-30.68	-54.09	-31.15	OFF		01
				JT.JU KHZ	100.0 KHZ	-30.00	-21.00	-01.04	-20.10	OFF		
				1							1	

## Emission Mask Band26-Part90s 5MHz QPSK RB1 0 CH26715



#### Emission Mask Band26-Part90s 5MHz QPSK RB1 0 CH26740

	rum Analyzer - ACP								- d 🛃
X R		DC		ENSE:INT		ALIGN AUTO	07:23:24 PM		Frequency
	eq 819.0000	000 MHz	Trig: Fr	Freq: 819.000 ee Run	Avg Hold:	>10/10	Radio Std: N	vone	,
PASS		IFGain:L	.ow 🔭 #Atten:	30 dB			Radio Devic	e: BTS	
10 dB/div	Ref Offset 1 Ref 30.00								
-og 20.0						-			0
10.0		$  \cap  $	23	.7 dBm					Center Fre
									819.000000 MH
0.00		11 1							
10.0		1/ 1%				-			
20.0		df [``∿	Non Contraction			- 1			
30.0		1 .	- H	1		-			
40.0	- nA		- Wayser	-	. A				
50.0 January 0.03	wayoper 1			10 mg 10	and the	m~\r.			
60.0						ľ	marran	Mago	
Center 819							Span 9.0		CF Ste
Res BW 🗄	51 kHz		#V	BW 160 k	Hz		Sweep	) 20 ms	907.500 kH
Total Carrie	er Power	23.739 dBm/ 5.	00 MHz	ACP-I	BW				<u>Auto</u> Ma
					Low	ver	Upper		
Carrier Pov	ver	Filter	Offset Freq	Integ BW	dBc		dBc dBm	Filter	Freq Offs
1 23.73	9 dBm / 5.000	MHz OFF	0.0 Hz	37.50 kHz		-22.13 -74		OFF	0 H
			37.50 kHz	100.0 kHz	-44.92	-21.18 -72	2.46 -48.72	OFF	
								- 11	
			1					- 11	
								- 11	
			1						
sg						STATU	s		

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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SGS Taiwan Ltd.

t (886-2) 2299-3279

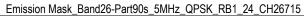
f (886-2) 2298-0488



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### Emission Mask Band26-Part90s 5MHz QPSK RB1_0 CH26765

	ctrum Analyzer - Al									_	
Center F	req 821.50		Center Trig: Fi		000 MHz Avg Hold	ALIGN AU	Ra	dio Std: N	one	F	requency
10 dB/div	Ref Offse Ref 30.0										
.og 20.0			24	.2 dBm							Center Fre
10.0		HAL					-			82	1.500000 MI
1.00											
0.0		HV W					H				
0.0		Л	has m	4							
0.0	- n	AI — —	The	Mr.	^						
i0.0	mand			1 mg	ار میلان المرد الارد ال	m~~			Average		
0.0							1000	****	W more		
Center 8 Res BW	21.5 MHz 51 kHz	1.0	#\	/BW 160 k	Hz	1	s	pan 9.0 Sweep			CF Sto 907.500 k
Total Car	rier Power	24.171 dBm/ 5	00 MHz	ACP-I	BW					<u>Auto</u>	м
						wer		pper			
Carrier P		Filter	Offset Freq	Integ BW	dBc	dBm	dBc	dBm	Filter		Freq Offs
1 24.1	171 dBm / 5.0	00 MHz OFF	0.0 Hz	37.50 kHz	-45.85	-21.68		-52.14	OFF		0
			37.50 kHz	100.0 kHz	-45.09	-20.92	-73.95	-49.78	OFF		
sg						er	ATUS			L	

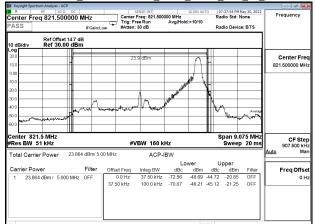


Keysight Spectrum											
R R				ENSE:INT		ALIGN AUTO		:08:15 PM M		6	requency
enter Freq	816.5000	00 MHz		Freq: 816.500 ee Run	000 MHz AvalHolo	1->10/10	Rad	dio Std: N	one	- r	equency
ASS		IFGain:L			Avginoid	1.210/10	Rad	dio Device	BTS		
		ii dame									
	Ref Offset 14										
	Ref 30.00 o	dBm									
og 20.0									I		
	-	H I	24	.0 dBm		M					Center Fre
0.0										81	5.500000 M
.00											
0.0						- A \ I					
0.0	H	1			. Martin Call	1 1	H		I		
					a1		h l				
0.0		-		fl m	APP-		N				
0.0				VV Ward	1 ⁴ 1		11	<u>م</u>			
0.0		and when the	and and good and and and				V V	1	Average		
0.0 0.0 www.alun_w	ana and a second	1						where a	and the second		
0.0											
enter 816.5	MHZ	u						pan 9.0	75 MH7	-	
Res BW 51			#\	/BW 160 k	H7			Sweep			CF Ste
Kes Dw 51				Dee 100 K	112			Sweep	20 1113		907.500 k M
otal Carrier I	Power 23	3.957 dBm/ 5.0	I0 MHz	ACP-I	BW					Auto	m
					1.0	wer	U	oper		_	
arrier Powe	r	Filter	Offset Freq	Integ BW	dBc	dBm	dBc	dBm	Filter		Freq Offs
1 23.957 c	Bm / 5.000 M	MHz OFF	0.0 Hz	37.50 kHz	-74.97	-51.02 -	46.85	-22.89	OFF		
0.007.0			37.50 kHz	100.0 kHz	-73 10	-49.14 -	46.92	-22.96	OFF		
3						STAT	าปร				

## Emission Mask Band26-Part90s 5MHz QPSK RB1 24 CH26740

	ctrum Analyzer - ACP										
XX R	RF 50 Ω	DC		ENSE:INT Frea: 819.000		ALIGN AUT		1:24:03 PM M dio Std: N	lay 20, 2022	F	requency
	req 819.000	UUU MHZ	Tria: Fr		AvalHol	d:>10/10	Ra	ulo stu: N	one		
PASS		IFGain:Lo	ow 🔭 #Atten:	30 dB			Ra	dio Device	BTS		
	Ref Offset	447.40									
10 dB/div	Ref 30.00										
Log											
20.0	-		23	.9 dBm		0	1				Center Freq
10.0	_	-				111	-			81	9.000000 MHz
0.00						111					
-10.0						11					
		H			أفليه	י יין	H				
-20.0					M		ħ				
-30.0		6		1 m	л ^р		111				
-40.0		- way	and the second second second	4/1/ have		-	HI%-				
-50.0	_		Water to				<b>∏</b> "	Winner	Average		
-60.0 esses	way war any ward								941 1		
Center 8	19 MHz						s	pan 9.0	75 MHz		CF Step
#Res BW	51 kHz		#V	/BW 160 k	Hz			Sweep	20 ms		907.500 kHz
Tatal Car	rier Power	23.923 dBm/ 5.0	IO MHz	ACP-I	D)A/					Auto	Man
Total Cal	ler Power	25.525 0011 5.0	IV IVITIZ	ACP-I							
Carrier P	awor.	Filter	Offset Frea	Integ BW	dBc	dBm	dBc	pper dBm	Filter		Freq Offset
			0.0 Hz	37.50 kHz	-73.51	-49.58		-21.44	OFF		
1 23.9	23 dBm / 5.000	MHz OFF	37.50 kHz	100.0 kHz					OFF		0 Hz
			37.50 KHZ	100.0 KHZ	-/1./1	-47.79	-45.25	-21.31	UFF		
MSG						ST/	TUS				

### Emission Mask Band26-Part90s 5MHz QPSK RB1 24 CH26765



## Emission Mask Band26-Part90s 5MHz QPSK RB25 0 CH26715

Keysight Spectrum Analyzer - ACP									
R         RF         S0 Ω         DC           Center Freq 816.500000 MHz         PASS         IFG8			00 MHz Avg Hold	ALIGN AU	Ra	dio Std: Netrice	one	F	requency
Ref Offset 14.7 dB 0 dB/div Ref 30.00 dBm									
og 20.0	22.9	dBm							Center Fre
10.0 1.00		we are the second of the	~~~~	man				81	6.500000 MH
0.0					┢				
				1	N.	_			
0.0 pp. 1.0 pp. 10 pp.					9.00	-	Averace Montrace		
0.0									
enter 816.5 MHz Res BW 51 kHz	#VE	3W 160 ki	Hz		s	pan 9.0 Sweep			CF Ste 907.500 kH
otal Carrier Power 22.948 dBm	5.00 MHz	ACP-I	BW					Auto	Ma
Carrier Power Filte		Inter Part		ver		pper			F 0#-
1 22.948 dBm / 5.000 MHz OFF	Offset Freq     0.0 Hz	Integ BW 37.50 kHz	dBc -56.92	dBm -33.97	dBc	dBm -32.60	Filter		Freq Offs
1 22.540 GUILT 0.000 MILE OPP	37.50 kHz	100.0 kHz					OFF		01
					ATTLE				

### Emission Mask Band26-Part90s 5MHz QPSK RB25 0 CH26740

Keysight Spectru	am Analyzer - ACF RF 50 Ω												
N R	SENSE:INT ALIGN AUTO				07:25:04 PM N	Err	quency						
PASS				Center Freq: 819.0000 Trig: Free Run ain:Low #Atten: 30 dB			00 MHz Avg Hold:>10/10			Radio Std: None Radio Device: BTS			quency
0 dB/div	Ref Offset Ref 30.00						-						
og 20.0			_		22.9	dBm			11			с	enter Fr
0.0		-							H.			819.	оооооо м
.00		11 /	nerveiknetek	1944 (1944 P		والمركامة مقارما مروحهم	*****	www.	₩				
0.0	-	H							H				
0.0		11						+ ۱					
0.0		цr							H				
	2,20,00,000,000,000,000,000,000,000,000	11							fŀ	reditions	Average		
0.0									Ħ				
0.0									Ш				
Center 819 MHz Res BW 51 kHz					#VBW 160 kHz					Span 9.075 MHz Sweep 20 ms			CF Ste 907.500 ki
otal Carrie		22.85	1 dBm/ 5.	00 MH;	2	ACP-I	BW					Auto	907.500 K
					Lower					Upper			
Carrier Pow			Filter			Integ BW	dBc	dBm		Bc dBm	Filter	F	req Offs
1 22.851	dBm / 5.000	0 MHz	OFF		0.0 Hz	37.50 kHz	-55.79	-32.94			OFF		0
				37.9	50 kHz	100.0 kHz	-54.97	-32.11	-57.3	33 -34.48	OFF		
sg				-				ST	ATUS				

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