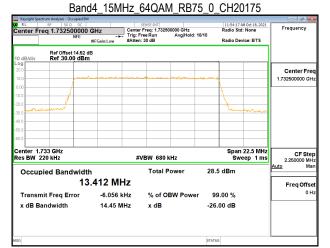


Report No.: ER/2021/A0027-01 Page: 115 of 422

Band4 15MHz 64QAM RB75 0 CH20025

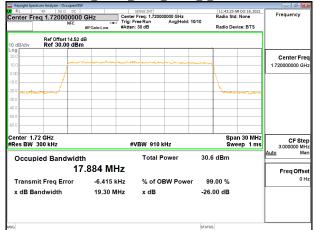
	ectrum Analyzer - Occi									- 8 - 3
Cantar Fr	reg 1.71750		la la		NSE:INT reg: 1.71750	0000 GH7		11:53:34 Radio Sto	M Oct 18, 2021	Frequency
Center Fr	red 1.71750	NFE		Trig: Fre	e Run	Avg Hold:	10/10			
		#IF	Gain:Low	#Atten: 3	0 dB			Radio De	vice: BTS	
	Ref Offset ?									
10 dB/div Log	Ref 30.00	dBm								
20.0										Center Freq
10.0		monthere	warman		hanne	man				1.717500000 GHz
0.00	/									
-10.0								1		
-20.0	1							$ \lambda $		
	mound							hours	manyou	
-40.0										
-50.0										
-00.0										
-60.0										
Center 1.									22.5 MHz	CF Step
Res BW 2	220 kHz			#VE	3W 680 H	Hz		Sw	eep 1 ms	2.250000 MHz
0.000	oied Band	ما فام			Total P	ower	28 /	dBm		<u>Auto</u> Man
Occur	bieu Ballu				10tal I		20.4	abiii		
		13.3	94 MF	IZ						Freq Offset
Transn	nit Freq Erre	or	-9.793 k	Hz	% of O	BW Powe	er 99	.00 %		0 Hz
	andwidth		14.43 M	U -	x dB			00 dB		
	andwidth		14.45 W	ΠZ	хав		-20.	00 aB		
MSG							STATUS	5		



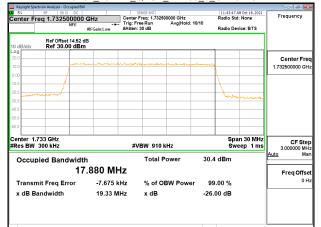
Band4 15MHz 64QAM RB75 0 CH20325

Keysight Spectrum Analyzer - Occupi					- 6 -
Center Freq 1.7475000		SENSE:INT Center Freq: 1.747500	0000 GHz	11:54:59 AM Oct 18, 2021 Radio Std: None	Frequency
NF	E #IFGain:Low		Radio Device: BTS		
Ref Offset 14 10 dB/div Ref 30.00 d					
20.0					Center Freq
10.0	and a second second	- And Constrainty of the second se	and a second second	4	1.747500000 GHz
0.00					
-10.0					
300 marson and				minun	
-40.0					
-50.0					
-60.0					
Center 1.748 GHz				Span 22.5 MHz	CF Step
Res BW 220 kHz		#VBW 680 k	Hz	Sweep 1 ms	2.250000 MHz
Occupied Bandw	idth	Total Po	ower 28	.5 dBm	<u>Auto</u> Man
	13.421 M⊦	lz			Freq Offset
Transmit Freq Error	-1.726 k	Hz % of OE	W Power 9	9.00 %	0 Hz
x dB Bandwidth	14.55 M	Hz xdB	-26	5.00 dB	
IISG			STAT	us	L

Band4 20MHz QPSK RB100 0 CH20050



Band4 20MHz QPSK RB100 0 CH20175



Band4_20MHz_QPSK_RB100_0_CH20300

Keysight Spectrum Analyz	er - Occupied BW 50 Ω DC		SENSE	INT			11:44:32.4	M Oct 18, 2021	
enter Freg 1.74	15000000 G		Center Fred	: 1.74500			Radio Std		Frequency
	NFE #I		Frig: Free F Atten: 30 d		Avg Hold	10/10	Radio Dev	ice: BTS	
)ffset 14.52 dB 30.00 dBm								
og 20.0									
10.0	man	. Annanana		ر	monton				Center Fr 1.745000000 G
1.00									1.745000000 G
10.0							λ		
0.0									
0.0 vonen and	J							unterne	
0.0									
50.0									
50.0									
enter 1.745 GHz	,						Spa	n 30 MHz	
Res BW 300 kH			#VBV	/ 910 k	Hz			ep 1 ms	CF St 3.000000 M
Occupied Ba	andwidth		1	otal P	ower	30.4	dBm		<u>Auto</u> M
	<u>.</u>						Freq Offs		
Transmit Free	Error	-5.094 kH	z 9	6 of OE	BW Powe	er 99	.00 %		0
x dB Bandwid	lth	19.33 MH	z x	dB		-26.	00 dB		
ig						STATUS			

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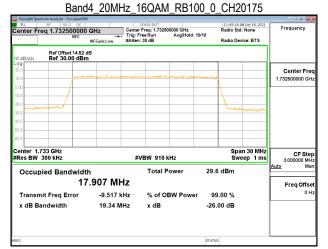
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Report No.: ER/2021/A0027-01 Page: 116 of 422

Band4_20MHz_16QAM_RB100_0_CH20050

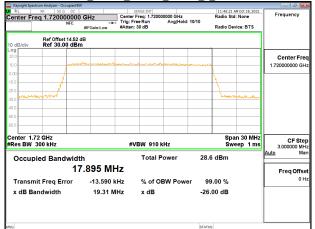
	rum Analyzer - Occu									- 8 - ×
Center Fre	RF 50 Ω 9 1.720000	DC	47		NSE:INT reg: 1.72000	0000 GHz		11:44:54 Radio St	AM Oct 18, 2021	Frequency
Conter i le	Ng 1.720000	IFE		Trig: Fre	e Run	Avg Hold	:>10/10	Dedie De	vice: BTS	
		#IF	Gain:Low	#Atten: a	SU 01B			Radio De	VICE: BIS	
10 dB/div	Ref Offset 1 Ref 30.00									
20.0										Center Freq
10.0		adame	mehro		and margined	moren	man			1.720000000 GHz
0.00								A		
-10.0	- /							Η		
-20.0	and and the second							- april	mann	
-30.0										
-40.0										
-50.0										
-60.0	_									
Center 1.7									an 30 MHz	CF Step
#Res BW 🕄	300 kHz			#VI	3W 910 k	Hz		Sw	eep 1 ms	3.000000 MHz
Occup	ied Band	vidth			Total P	ower	29.	7 dBm		<u>Auto</u> Man
			87 MI	17						
_										Freq Offset 0 Hz
Transm	it Freq Erro	or	-8.183	Hz	% of O	BW Pow	er 9	9.00 %		0112
x dB Ba	ndwidth		19.18 M	IHz	x dB		-26	.00 dB		
MSG							STATU	IS		



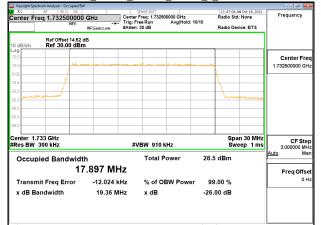
Band4 20MHz 16QAM RB100 0 CH20300

	rum Analyzer - Occupie									- 6 💌
Center Fre	RE 50 Q D eq 1.7450000		Ce	SENSE: nter Freg:		0000 GHz		11:45:39 Radio St	AM Oct 18, 2021 d: None	Frequency
	NFE			g: Free Ru tten: 30 di	in 3	Avg Hold	: 10/10	Radio De	evice: BTS	
10 dB/div	Ref Offset 14. Ref 30.00 d									
20.0										Center Freq
10.0	r	~~~~~	maria	-1	****	and the state of t				1.745000000 GHz
0.00										
-10.0								\mathbf{h}		
-20.0 -30.0	much							house	America	
-30.0										
-50.0										
-60.0										
Center 1.7 #Res BW 3				#VBW	910 k	Hz			an 30 MHz /eep 1 ms	CF Step 3.000000 MHz
Occup	ied Bandwi	dth		т	otal P	ower	29.6	dBm		<u>Auto</u> Man
		17.910	MHz							Freq Offset
Transm	it Freq Error	-23.	358 kHz	%	of OE	BW Powe	er 99	.00 %		0 Hz
x dB Ba	ndwidth	19	.35 MHz	x	dB		-26.	00 dB		
MSG							STATUS			·

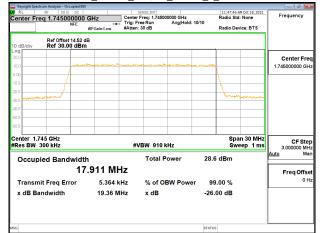
Band4 20MHz 64QAM RB100 0 CH20050



Band4 20MHz 64QAM RB100 0 CH20175



Band4_20MHz_64QAM_RB100_0_CH20300



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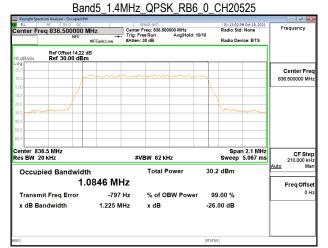
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Report No.: ER/2021/A0027-01 Page: 117 of 422

Band5 1.4MHz QPSK RB6 0 CH20407

	trum Analyzer - Occup											- 0 ×
Center Fre	eq 824.7000			Center Fr	(SE:INT) eq: 824.700	000 MHz				0 PM Oct 18, 2021 td: None	F	requency
o on con the	NF	E	in:Low	Trig: Free #Atten: 3	e Run 0 dB	Avg Hold:	10/10		Radio D	evice: BTS		
			an.cow									
10 dB/div	Ref Offset 14 Ref 30.00 (
20.0												Center Freq
10.0		m		mm	mm	mon	m					4.700000 MHz
0.00		1										
-10.0	1							X				
-20.0								}	\			
-30.0		_								mm		
-40.0												
-50.0												
-60.0												
Center 82 Res BW 2				#VE	5W 62 kH	Iz				an 2.1 MHz 5.067 ms		CF Step 210.000 kHz
Occup	ied Bandw	ridth			Total P	ower	3	30.1	dBm		Auto	Man
		1.085	56 MH	lz								Freq Offset
Transm	it Freq Erro	r .	-1.699 k	Hz	% of OF	3W Powe	r	99	.00 %			0 Hz
	ndwidth		1.218 M		x dB				00 dB		-	
	mawiam		1.210 1		X UB			20.0	0 UB			
MSG							s	TATUS				



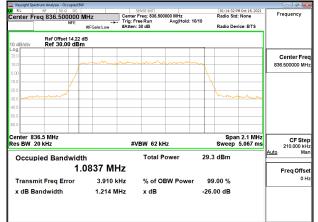
Band5_1.4MHz_QPSK_RB6_0_CH20643

Keysight Spectrum Anal	lyzer - Occupied	BW		_	_	_	_			- 6 -
Center Freq 84	50 Q DC 8.300000 NFE) MHz	Center F	NSE:INT req: 848.300 e Run	000 MHz Avg Hold:	10/10		01:13:47 Radio St	PM Oct 18, 2021 d: None	Frequency
	NEC	#IFGain:Low	#Atten: 3	0 dB				Radio De	vice: BTS	
10 dB/div Re	Offset 14.2 f 30.00 dE									
20.0										Center Free
10.0	- 1		m	- Marche		~~~~				848.300000 MH
0.00	/						λ			
20.0	_/_									
30.0 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	w							man	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
0.0										
50.0										
Center 848.3 M Res BW 20 kHz			#VE	3W 62 kH	łz				n 2.1 MHz 5.067 ms	210.000 kH
Occupied B	Bandwig	ith		Total P	ower	3	0.1	dBm		Auto Mar
	1	.0838 M	Hz							Freq Offse
Transmit Fre	eq Error	-18	5 Hz	% of O	BW Powe	er	99	.00 %		0 H
x dB Bandwi	idth	1.220	٨Hz	x dB		÷	26.0	00 dB		
sg						\$1	ratus			

Band5 1.4MHz 16QAM RB6 0 CH20407

Ref BFE BFE Center Frag Center Frag Center Frag Center Frag Center Frag Atten: 30 10 dB/div Ref 0ffset 14.22 dB Ref 0.00 dBm Ref 0.00 dBm Atten: 30 Atten: 30	esenti ese 84.70000 MHz Run Avg Hold>1010 von M	III:14:09 PM/CO Radio Std: Nc Radio Device:	BTS Center Fi B24.700000 N
10 dB/div Ref 30.00 dBm	<u>, , , , , , , , , , , , , , , , , , , </u>		824.700000 N
200	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	hanna	824.700000 N
····		hanne	
		human	0.00.0
200 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
0.0			
enter 824.7 MHz tes BW 20 kHz #VB	W 62 kHz	Span 2 Sweep 5.0	CF 31
		29.2 dBm	210.000 Auto
1.0854 MHz			Freq Off
	% of OBW Power	99.00 %	0
x dB Bandwidth 1.215 MHz	x dB	-26.00 dB	
a		STATUS	

Band5 1.4MHz 16QAM RB6 0 CH20525



Band5_1.4MHz_16QAM_RB6_0_CH20643

RL RE Center Frea 84	50 Q DC	MIL	_		INSE:INT reg: 848.300	000 MHz			01:14:54 P	M Oct 18, 2021	F	requency
enter Freq 84	NFE		i Sain:Low		e Run	Avg Hold	:>10/10		Radio De			
	Offset 14.2 f 30.00 dE											
.og												
10.0		m	m	mm	h							Center Fre 3.300000 Mi
1.00	/										044	5.500000 M
0.0	/							\backslash				
0.0	/_								<u> </u>			
0.0 mm wor	mm								man	mm		
0.0												
0.0	_							<u> </u>				
50.0								-				
Center 848.3 Mi Res BW 20 kHz	Hz			#VI	BW 62 kH	z			Spa Sweep	n 2.1 MHz 5.067 ms		CF Ste 210.000 k
Occupied E	Bandwig	lth			Total P	ower	2	29.2	dBm		Auto	м
			49 M	Hz								Freq Offs
Transmit Fre	q Error		3.974	kHz	% of O	W Powe	er	99	.00 %			0
x dB Bandwi	dth		1.221	٨Hz	x dB		-	26.	00 dB			
~							e	TATUS			L	

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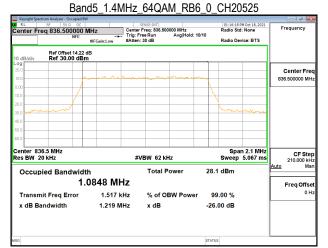
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Report No.: ER/2021/A0027-01 Page: 118 of 422

Band5 1.4MHz 64QAM RB6 0 CH20407

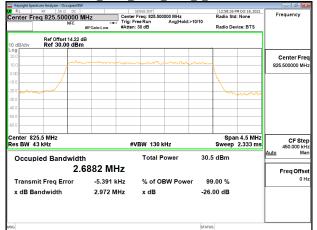
Keysight Spectrum Analyzer - Occupied BW						- 6 ×
Ω RL RF 50 Ω DC Center Freq 824.700000 M		SENSE:INT Center Freg: 824,700	000 MHz		5:36 PM Oct 18, 2021 5 Std: None	Frequency
NFE		Trig: Free Run Atten: 30 dB	Avg Hold: 10/1	10		
	#IFGain:Low #	Atten: 30 dB		Radi	o Device: BTS	
Ref Offset 14.22 di	3					
10 dB/div Ref 30.00 dBm				_		
20.0						Center Freq
10.0	mon	man	m	_		824,700000 MHz
0.00						
-10.0				1		
-20.0						
mann				- h		
-40.0					and	
-50.0						
-60.0						
-60.0						
Center 824.7 MHz					Span 2.1 MHz	CF Step
Res BW 20 kHz		#VBW 62 kH	z	Swe	ep 5.067 ms	210.000 kHz
Occupied Bandwidth		Total P	ower	28.1 dBr	n	<u>Auto</u> Man
			00001	20.1 001		
1.0	846 MHz	Z				Freq Offset
Transmit Freq Error	304 H	z % of OE	BW Power	99.00	6	0 Hz
x dB Bandwidth	1.221 MH			-26.00 d	-	
	1.221 WH	2 X UB		-20.00 u	•	
MSG				STATUS		



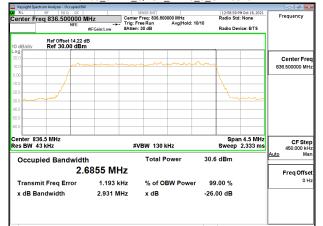
Band5 1.4MHz 64QAM RB6 0 CH20643

	rum Analyzer - Occupied BW		_					
Center Fre	RF 50 Ω DC eq 848.300000 N NFE		Center Freq: 8 Trig: Free Run #Atten: 30 dB	48.300000 MHz AvgiHolo	i:>10/10	Radio Sto		Frequency
10 dB/div	Ref Offset 14.22 d Ref 30.00 dBm		#Atten: 30 dB			Radio De	vice: BTS	
20.0 10.0				m				Center Free 848.300000 MH:
0.00	<i>[</i>							848.300000 MH
20.0	- /-				4			
40.0						m	~~~~~	
60.0								
Center 848 Res BW 20			#VBW	62 kHz			n 2.1 MHz 5.067 ms	CF Ster 210.000 kH
Occupi	ied Bandwidtl			tal Power	28.1	l dBm		<u>Auto</u> Ma
	1.0	0840 MH	Z					Freq Offse
Transm	it Freq Error	1.154 ki	lz %	of OBW Pow	er 99	.00 %		он
x dB Ba	ndwidth	1.221 M	lz xo	iB	-26.	00 dB		
ISG					STATU	5		t

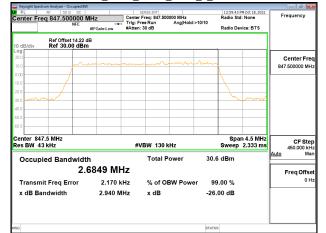
Band5 3MHz QPSK RB15 0 CH20415



Band5 3MHz QPSK RB15 0 CH20525



Band5_3MHz_QPSK_RB15_0_CH20635



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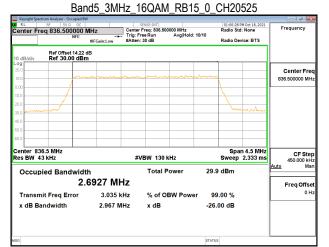
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Report No.: ER/2021/A0027-01 Page: 119 of 422

Band5 3MHz 16QAM RB15 0 CH20415

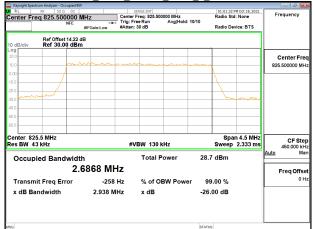
Keysight Spectrum Analyzer - Occupied BW							
RL RF 50 Ω DC Center Freq 825.500000 M	ин . с	SENSE:INT enter Freg: 825.500	000 MHz	F	01:00:06 F Radio Std	M Oct 18, 2021	Frequency
NFE NFE		rig: Free Run Atten: 30 dB	Avg Hold: 10		Padio Do	vice: BTS	
	#IFGain:Low #/	Atten: 30 dB			cadio Del	lice: DTS	
Ref Offset 14.22 c 10 dB/div Ref 30.00 dBm							
20.0							Center Freq
10.0	m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mmm	m			825.500000 MHz
0.00				— A			
-10.0					4		
-20.0 Mannahan					W	man	
-30.0							
-40.0							
-50.0							
-60.0							
Center 825.5 MHz					Sna	n 4.5 MHz	
Res BW 43 kHz		#VBW 130 k	Hz	5		2.333 ms	CF Step 450,000 kHz
Occupied Bandwidt	h	Total P	ower	30.2 c	dBm		<u>Auto</u> Man
	6979 MHz						
							Freq Offset 0 Hz
Transmit Freq Error	-4.428 kHz	s % of OE	BW Power	99.0	00 %		0 H2
x dB Bandwidth	3.004 MHz	x dB		-26.00) dB		
MSG				STATUS			



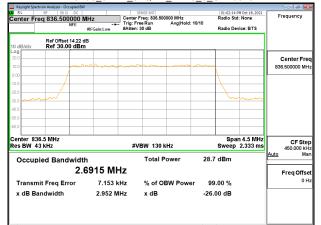
Band5_3MHz_16QAM_RB15_0_CH20635

Keysight Spectrum Analyzer - Occupied Bi	(- 8 -
RL RF 50 Q DC	WHz	SENSE:INT Center Freq: 847.500 Trig: Free Run	000 MHz Avg Hold: 10/10	01:00:50 PM Oct 18, 202 Radio Std: None	Frequency
NFE	#IFGain:Low	#Atten: 30 dB	Avginola: 10/10	Radio Device: BTS	
Ref Offset 14.22					
- 0 g 20.0					Center Free
10.0	www.	m	man	~	847.500000 MH
1.00	_				
0.0					
mann				man	6.a
0.0					_
0.0					
0.0					
enter 847.5 MHz tes BW 43 kHz		#VBW 130 k	Hz	Span 4.5 MH Sweep 2.333 m	
Occupied Bandwidt	h	Total P	ower 29	9.9 dBm	Auto Ma
	6967 MH	z			Freq Offse
Transmit Freq Error	667 H	z % of OE	BW Power	99.00 %	0 H
x dB Bandwidth	2.956 MH	z xdB	-2	6.00 dB	
iG			ST/	ATUS	L

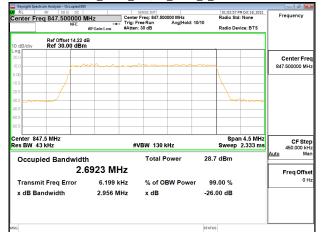
Band5 3MHz 64QAM RB15 0 CH20415



Band5 3MHz 64QAM RB15 0 CH20525



Band5_3MHz_64QAM_RB15_0_CH20635



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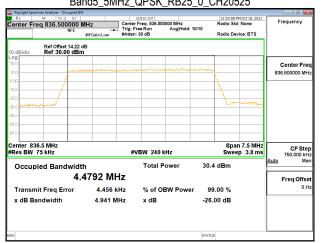
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Report No.: ER/2021/A0027-01 Page: 120 of 422

Band5 5MHz QPSK RB25 0 CH20425

	rum Analyzer - Oco									- 6 <u>-</u>
Center Fre	RF 50 Ω 29 826.500	NFE	Z Gain:Low	Center F		1000 MHz Avg Hold	: 10/10	Radio Dev		Frequency
10 dB/div	Ref Offset Ref 30.0									
20.0 10.0		m	••••••••			~~~~~				Center Fre 826.500000 MH
0.00								L.		
30.0 40.0								<u> </u>	m	
50.0										
Center 820 Res BW				#VE	3W 240 H	Hz	1		n 7.5 MHz p 3.8 ms	CF Ste 750.000 kH
Occup	ied Band		69 MI	Ηz	Total P	ower	30.4	1 dBm		Auto Ma
	it Freq Err ndwidth	or	-11.237 4.922 N		% of Ol x dB	BW Pow		9.00 % 00 dB		0 H
sg							STATU	s		
		Band	15 5M	Hz C	PSK	RB2	500	CH205	25	



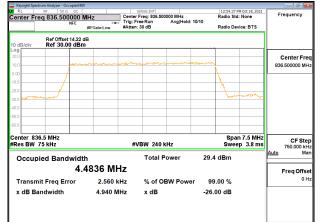
Band5 5MHz QPSK RB25 0 CH20625

Keysight Spectrum Analyzer - Occupied BW					- 6 -
RL RF 50 Ω DC Center Freq 846.500000 M		sense:INT r Freq: 846.500000 MHz	Radio St	PM Oct 18, 2021 d: None	Frequency
NFE	ing: I	Free Run Avg Hold: n:30 dB		evice: BTS	
Ref Offset 14.22 c IO dB/div Ref 30.00 dBm					
.og 20.0					Center Fre
10.0	man management	man marker and the	anna		846.500000 MH
.00			\	I	
0.0			· · · · ·		
0.0 users			\		
				nun n	
0.0					
0.0					
0.0					
enter 846.5 MHz Res BW 75 kHz	#	VBW 240 kHz		an 7.5 MHz ep 3.8 ms	CF Ste 750.000 kł
Occupied Bandwidt	n	Total Power	30.3 dBm		Auto Ma
4.4	4849 MHz			ĺ	Freq Offs
Transmit Freq Error	2.180 kHz	% of OBW Powe	er 99.00 %		01
x dB Bandwidth	4.935 MHz	x dB	-26.00 dB		
q			STATUS		
1			STATUS		

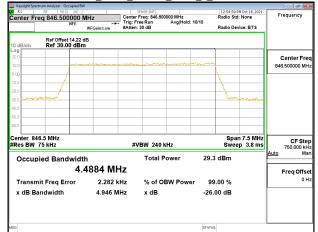
Band5 5MHz 16QAM RB25 0 CH20425

	trum Analyzer - Occupied BW								- 0
RL	RF 50 Ω DC eq 826.500000 N		SENSE:INT Center Freq: 826.500	0000 MH+		2:54:15 PM adio Std:	Oct 18, 2021	Fre	quency
enter Fre	NFE		Frig: Free Run	Avg Hold: 1	0/10				
		#IFGain:Low #	Atten: 30 dB		R	adio Devi	ce: BTS		
0 dB/div	Ref Offset 14.22 d Ref 30.00 dBm								
og									
0.0									enter Fre
0.0		a a la constante de	and the stand of the state	Lawrence Contraction	-			826.	500000 MI
.00	1				- \			-	
0.0	///////////////////////////////////////				- I \				
0.0	and the second					\			
0.0	and the second s					. Marine	ren vielkene		
0.0									
0.0									
0.0									
enter 82	6.5 MHz					Span	7.5 MHz	<u> </u>	
Res BW			#VBW 2401	kHz		Swee	3.8 ms	I :	CF Ste 750.000 ki
0	i a al Dava du dala	_	Total P	lower	29.3 d	Bm		Auto	M
Occup	ied Bandwidth			ower	29.5 u	ыш			
	4.4	4857 MHz	Z					F	req Offs
Transm	it Freq Error	-7.870 kH	z % of O	BW Power	99.00	0 %			0
v dB Ba	ndwidth	4.945 MH	z xdB		-26.00	dB		<u> </u>	
	indimatin	4.040 Mill	2 X40		-20.00	чъ			

Band5_5MHz_16QAM_RB25_0_CH20525



Band5_5MHz_16QAM_RB25_0_CH20625



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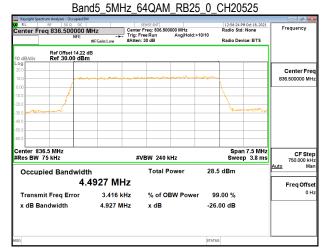
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Report No.: ER/2021/A0027-01 Page: 121 of 422

Band5 5MHz 64QAM RB25 0 CH20425

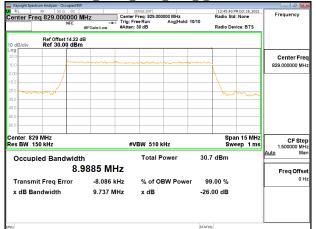
	um Analyzer - Occupied B	W							-	- 6 💌
CM RL	RF 50 Ω DC			ISE:INT eq: 826.500	000 111-		12:55:42 Radio Sto	M Oct 18, 2021	Free	uency
Center Fre	q 826.500000	MHz			Avg Hold:	>10/10	Radio Sto	: None		,,
	NFC	#IFGain:Low	#Atten: 30	dB			Radio De	vice: BTS		
10 dB/div	Ref Offset 14.22 Ref 30.00 dB									
20.0									C.6	enter Frea
10.0	- Anna	una man	mon	manda	man	-				00000 MHz
0.00	1									
-10.0	<u></u>						1			
-20.0	/						\backslash			
-310 marine	NAPAN						m	donama		
-40.0										
-50.0										
-60.0										
-00.0										
Center 826 #Res BW 7			#VB	W 240 k	Hz			n 7.5 MHz ep 3.8 ms	7	CF Step 50.000 kHz
Occupi	ed Bandwid	th		Total P	ower	28.	5 dBm		Auto	Man
	4	4967 MI	Ηz						FI	eq Offset
Transmi	it Freq Error	-11.361	kHz	% of O	3W Powe	er 99	9.00 %			0 Hz
x dB Bar	ndwidth	4.938 M	IH7	x dB		-26	00 dB			
MSG						STATU	s			



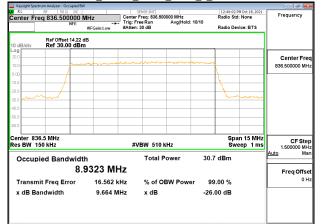
Band5 5MHz 64QAM RB25 0 CH20625

Keysight Spectrum Analy									- 8 -
Center Freq 846	50 Q DC	,	Center Fr	SE:INT eq: 846.500	000 MHz		12:57:06 Radio Ste	PM Oct 18, 2021 d: None	Frequency
	NFE	-	Trig: Free #Atten: 30	Run) dB	Avg Hold	: 10/10	Radio De	vice: BTS	
10 dB/div Ref	Offset 14.22 dB 30.00 dBm								
_og 20.0									Center Free
10.0		- maren	~~~~	and the second sec	mm	- marine			846.500000 MH
0.00	1						\		
10.0	1						1		
20.0	/								
30.0							mo	manne	
40.0 50.0									
50.0									
60.0									
Center 846.5 MH #Res BW 75 kHz			#VB	W 240 k	Hz			n 7.5 MHz ep 3.8 ms	CF Ster 750,000 kH
Occupied E	andwidth			Total P	ower	28.5	dBm		<u>Auto</u> Mar
	4.49	76 MH	z						Freq Offse
Transmit Fre	q Error	2.589 kH	lz	% of OE	W Powe	er 99	.00 %		0 H
x dB Bandwi	dth	4.921 MH	Iz	x dB		-26.	00 dB		
sg						STATUS			

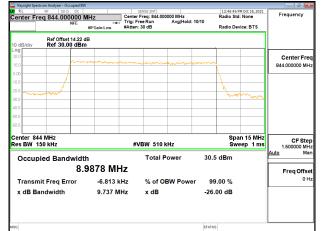
Band5 10MHz QPSK RB50 0 CH20450



Band5 10MHz QPSK RB50 0 CH20525



Band5_10MHz_QPSK_RB50_0_CH20600



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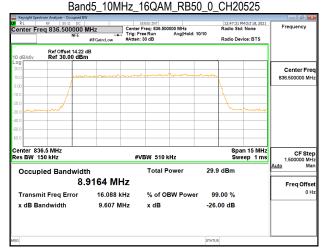
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Report No.: ER/2021/A0027-01 Page: 122 of 422

Band5 10MHz 16QAM RB50 0 CH20450

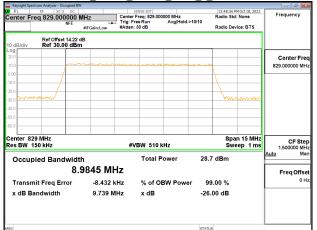
R L	trum Analyzer - Occupied BV RF 50 Q DC	v	SENSE:INT		12:47:09 PM	Oct 18, 2021	- 0 -
enter Fr	eg 829.000000 l		Free Run AvgiHol		Radio Std:		Frequency
	NFE		n: 30 dB	8: 10/10	Radio Devi	ce: BTS	
0 dB/div	Ref Offset 14.22 Ref 30.00 dBn						
0 g							Center Fre
0.0	m	~~~~~	monormone	man			829.000000 MH
.00				_	\		
10 marchine	mm				hanna	m	
.0				-			
.0							
0.0				-			
enter 82 es BW 1		#	≠VBW 510 kHz		Spar Swe	15 MHz ep 1 ms	CF Ste 1.500000 MH
Occup	ied Bandwidt	h	Total Power	29.	9 dBm		<u>Auto</u> Ma
	8.	9605 MHz					Freq Offs
Transm	nit Freq Error	12 Hz	% of OBW Pow	ver 99	9.00 %		0 H
	andwidth	9.749 MHz	x dB	-26	.00 dB		
			× ••=	20			
g				STATU	s		



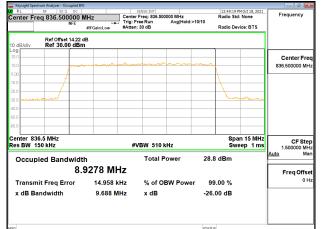
Band5 10MHz 16QAM RB50 0 CH20600

	rum Analyzer - Occupied BV	1				
X RL	RF 50 Ω DC	VHz Centr	SENSE:INT Freq: 844.000000 MHz	Radi	o Std: None	Frequency
	NFE	Trig:	Free Run Avg Hold: n:30 dB		o Device: BTS	
10 dB/div	Ref Offset 14.22 (Ref 30.00 dBn					
20.0						Center Free
10.0	m	monormo	mon man and	man		844.000000 MH:
0.00	- <u> </u>					
-10.0	- /			\		
-20.0						
-30.0	men					
-40.0						
-50.0						
-60.0						
Center 844 Res BW 15		;	VBW 510 kHz		Span 15 MHz Sweep 1 ms	CF Step 1.500000 MH
Occupi	ied Bandwidt	h	Total Power	28.8 dB	n	<u>Auto</u> Mar
		9528 MHz				Freq Offse
Transm	it Freq Error	-652 Hz	% of OBW Powe	r 99.00	%	0 H
x dB Ba	ndwidth	9.695 MHz	x dB	-26.00 d	в	
MSG				STATUS		

Band5_10MHz_64QAM_RB50_0_CH20450



Band5_10MHz_64QAM_RB50_0_CH20525



Band5 10MHz 64QAM RB50 0 CH20600

Keysight Spectrum Analyzer - Occupied Bi Keysight Spectrum Analyzer - Occupied Bi	N			0 0
RL RF 50 Ω DC Center Freq 844.000000 NFE	Trig:	sense:INT r Freq: 844.000000 MHz Free Run Avg Hold: h: 30 dB	12:50:00 PM Radio Std: I 10/10 Radio Devic	None Frequency
Ref Offset 14.22 IO dB/div Ref 30.00 dBr	dB		Rudio Devic	
.og 20.0				Center F
10.0		and the second	man	844.000000 N
0.00				
0.0				
10.0 mmmmm			Mano	una contra
10.0				
0.0				
Center 844 MHz			Span	15 MHz CF St
Res BW 150 kHz	#	VBW 510 kHz	Swee	2p 1 ms 1.500000 N
Occupied Bandwidt	th	Total Power	28.6 dBm	Auto M
8.	9755 MHz			Freq Off
Transmit Freq Error	-13.998 kHz	% of OBW Powe	r 99.00 %	0
x dB Bandwidth	9.737 MHz	x dB	-26.00 dB	
30			STATUS	

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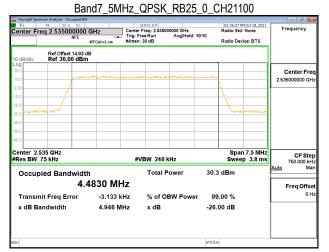
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Report No.: ER/2021/A0027-01 Page: 123 of 422

Band7 5MHz QPSK RB25 0 CH20775

	trum Analyzer - Occupied BW							
Center Fr	RF 50 Ω DC eq 2.502500000	GH ₇	SENSE:INT Center Freq: 2.502		Ra	2:36:04 PM Oc dio Std: No		Frequency
	NFE	#IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold:>1		dio Device:	втя	
10 dB/div	Ref Offset 14.83 o Ref 30.00 dBm							
20.0								Center Freq
10.0		man and a second		manno	min			2.502500000 GHz
0.00	1							
-10.0					1			
-20.0	week week					A CONTRACT	****	
-40.0								
-50.0								
-60.0								
Center 2.5 #Res BW			#VBW 240	kH7		Span 7. Sweep		CF Step
	ied Bandwidt	h		Power	30.5 dE		5.6 115	750.000 kHz <u>Auto</u> Man
Occup		 4840 MH			00.0 al			Freq Offset
Transm	nit Freq Error	-3.813 k	Hz % of 0	DBW Power	99.00	%		0 Hz
x dB Ba	andwidth	4.945 M	Hz xdB		-26.00	dB		
MSG					STATUS			



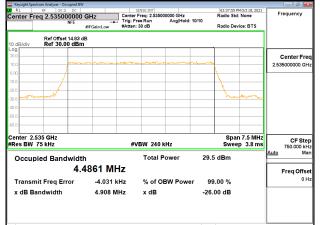
Band7 5MHz QPSK RB25 0 CH21425

Keysight Spect	trum Analyzer - Occupied BW						- 6 -
	RF 50 Ω DC eq 2.567500000		SENSE:INT ter Freq: 2.567500000 GH:		02:37:10 PM Radio Std:		Frequency
	NFE	Trig	:FreeRun Avg Ho en:30 dB	old: 10/10	Radio Devie	e: BTS	
) dB/div	Ref Offset 14.83 o Ref 30.00 dBn				_		
9 0.0							Center Fre
1.0		vers were and	man man mar mar and	monale			2.567500000 GI
	— <u> </u>				Λ		
	- / -				$\langle \rangle$		
	man			_	hund	man and	
0.0							
0.0				_			
enter 2.5	568 GHz				Span	7.5 MHz	07.04
Res BW			#VBW 240 kHz			3.8 ms	CF Ste 750.000 ki
Occup	ied Bandwidt	h	Total Power	30.4	4 dBm		Auto M
		 4840 MHz				l l	F 0#-
_							Freq Offs
	nit Freq Error	-4.701 kHz	% of OBW Po		9.00 %		
x dB Ba	andwidth	4.965 MHz	x dB	-26	.00 dB		
3				STATU	s		

Band7_5MHz_16QAM_RB25_0_CH20775

RL RF	Analyzer - Occupied BW 50 Ω DC 2.502500000 0	247	SENSE:INT	2500000 GHz		02:37:32	M Oct 18, 2021		uency
	NFE		Trig: Free Run #Atten: 30 dB	Avg Hold:>		Radio De	vice: BTS		
0 dB/div	Ref Offset 14.83 dE Ref 30.00 dBm								
0.0 0.0			ayan ya waa	menana	in and the second				nter Fre 00000 GH
00						6			
0.0 wmm.ve m	wa					and and a second second	a gallon		
0.0									
enter 2.503							n 7.5 MHz		CF Ste
Res BW 75 I			#VBW 24	0 kHz	29.5		ep 3.8 ms	7 Auto	50.000 ki Ma
Occupied	l Bandwidth 4.4	845 MH		Fower	29.5	ubiii		Fr	eq Offs
Transmit F	req Error	-3.948 kH	lz % of	OBW Power	r 99.	00 %			01
x dB Band	width	4.975 MF	lz xdB		-26.0	0 dB			

Band7_5MHz_16QAM_RB25_0_CH21100



Band7 5MHz 16QAM RB25 0 CH21425

	trum Analyzer - Occupied BW				- 0 -
RL	RF 50 Ω DC		SENSE:INT	02:38:16 PM O Radio Std: N	
Center Fre	eq 2.567500000		Free Run Avg Hold:		one
	NFE		n: 30 dB	Radio Device	BTS
	Ref Offset 14.83 d				
0 dB/div	Ref 30.00 dBm	·			
0.0					Center Fre
0.0		manne	- marine and a second s	-	2.567500000 GI
	- <u> </u>				
0.0					
0.0	and and			human	
0.0					They have
0.0					
0.0					
0.0					
enter 2.5	68 GH7			Snan 7	.5 MHz
Res BW		#	VBW 240 kHz	Sweep	3.8 ms 750.000 ki
Occup	ied Bandwidt	'n	Total Power	29.4 dBm	Auto M
	4.4	4785 MHz			Freq Offs
Transm	it Freq Error	-1.611 kHz	% of OBW Powe	r 99.00 %	0
x dB Ba	ndwidth	4.948 MHz	x dB	-26.00 dB	
ig.				STATUS	

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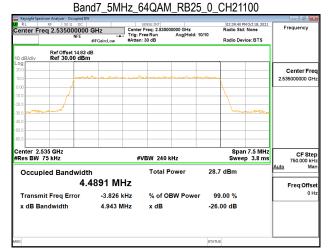
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Report No.: ER/2021/A0027-01 Page: 124 of 422

Band7 5MHz 64QAM RB25 0 CH20775

Transmit Freq Erro	4.49	41 M⊢ -3.819 k 4.941 M	Hz		BW Powe	ər 99	.00 % 00 dB		1	Freq Offset 0 Hz
Center 2.503 GHz #Res BW 75 kHz Occupied Bandy	width		#VE	3W 240 k Total P		28.6	Spa Swe	n 7.5 MHz ep 3.8 ms	Auto	CF Step 750.000 kHz Man
-60.0										
-50.0										
-30.0							V	and Constanting		
-20.0							1	and an and the		
10.00										
10.0	man	aman	an marken	hannaga	maria	mon				enter Frec 2500000 GHz
10 dB/div Ref 30.00										
'	IFE #IFG	ain:Low	#Atten: 3		Avginoid	10/10	Radio De	vice: BTS		
Center Freq 2.50250	0000 GH	z	Center Fr	req: 2.50250	0000 GHz Avg Hold:	40/40	Radio St	PM Oct 18, 2021 d: None	Fr	equency



Band7 5MHz 64QAM RB25 0 CH21425

Keysight Spectrum Analyzer - Occupi							- 6 -
RL RF 50 Ω C Center Freq 2.5675000		SENSE:INT Center Freq: 2.567			02:40:23 P Radio Std	None	Frequency
NF		#Atten: 30 dB	Avg Hold: 1		Radio Dev	ice: BTS	
Ref Offset 14 10 dB/div Ref 30.00 d							
20.0							Center Free
10.0	hala and a shellow	destruction	and a second second	man			2.567500000 GH
10.0				1	\		
20.0					<u>\</u>		
30.0 when the work					24	- dame	
0.0							
60.0							
Center 2.568 GHz					Spar	n 7.5 MHz	CF Ste
Res BW 75 kHz		#VBW 240	kHz		Swee	p 3.8 ms	750.000 kH
Occupied Bandw	idth	Total	Power	28.6 0	lBm		<u>Auto</u> Ma
	4.4914 MH	lz					Freq Offse
Transmit Freq Error	-4.908 k	Hz % of (DBW Power	r 99.0	00 %		он
x dB Bandwidth	4.921 M	lHz xdB		-26.00	dB		
sg				STATUS			

Band7_10MHz_QPSK_RB50_0_CH20800

	rum Analyzer - Occupied BW						
RL	RF 50 Ω DC		SENSE:INT			M Oct 18, 2021	Frequency
enter Fre	eq 2.505000000		ter Freq: 2.505000000 GHz		Radio Std	None	Frequency
	NFE		:FreeRun Avg Ho en:30 dB	ld: 10/10	Radio Dev	ice BTS	
		#IFGain:Low #Att	en. so ub		Radio Dev	ice. B13	
	Ref Offset 14.83 d	в					
) dB/div	Ref 30.00 dBm						
g							
1.0							Center Fr
1.0	mm	mun	en man	man	-		2.505000000 G
					l.		
					1		
0.0					1		
0.0					1		
10 ~~~~~	- mar					man	
0.0					-		
0.0							
0.0							
enter 2.5	06 CH2				- Ena	n 15 MHz	
es BW 15			#VBW 510 kHz			ep 1 ms	CF St
C5 DVV 13	70 KT12		#VDVV JTO KIIZ		500	iep 1113	1.500000 M
Occupi	ied Bandwidt		Total Power	30	9 dBm		<u>Auto</u> M
Occupi			Total Total		o abiii		
	8.9	9819 MHz					Freq Offs
Transmi	it Freg Error	-1.492 kHz	% of OBW Pov	ver 9	9.00 %		0
		0.700.000					
x dB Ba	nawiath	9.769 MHz	x dB	-26	.00 dB		

Band7_10MHz_QPSK_RB50_0_CH21100



Band7 10MHz QPSK RB50 0 CH21400

	trum Analyzer - Occupied BW						@ _ _
enter Fr	RF 50 Ω DC eq 2.565000000		SENSE:INT r Freq: 2.565000000 GHz		02:31:21 PM Radio Std:	None	Frequency
	NFE	Trig:	Free Run Avg Hold n: 30 dB		Radio Devi	ice: BTS	
0 dB/div	Ref Offset 14.83 d Ref 30.00 dBm						
0g							Center Fre
0.0	- mm	www.www.ww	and and the second s	m			2.565000000 GI
.00	A			١	()		
0.0					\		
0.0	mar				hand	moun	
0.0							
0.0							
50.0							
50.0							
	enter 2.565 GHz es BW 150 kHz		VBW 510 kHz			n 15 MHz ep∶1 ms	CF Ste 1.500000 M
Occup	ied Bandwidt	1	Total Power	30.7	dBm		<u>Auto</u> M
		582 MHz					Freq Offs
Transm	nit Freq Error	-7.906 kHz	% of OBW Pow	er 99.	00 %		0
x dB Ba	andwidth	9.750 MHz	x dB	-26.0	0 dB		
ig				STATUS			

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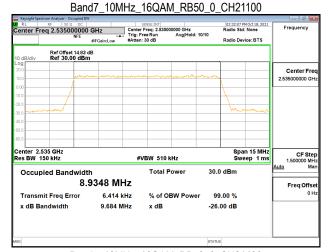
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Report No.: ER/2021/A0027-01 Page: 125 of 422



Band7_10MHz_16QAM_RB50_0_CH20800

-20.0	man				~	nathrown	
-50.0							
Center 2. Res BW			#VBW 510	kHz		Span 15 MHz Sweep 1 ms	CF Step 1.500000 MHz
Occup	bied Bandwig 8	dth 8.9375 MH		Power	30.0 dBi	n	Auto Man Freq Offset
	nit Freq Error andwidth	2.952 kl 9.663 Mi		DBW Power	99.00 99.00 •		0 Ha



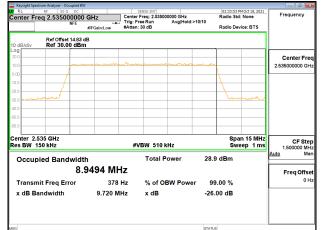
Band7 10MHz 16QAM RB50 0 CH21400

	rum Analyzer - Occi									@ <u></u>
enter Fre	RF 50 Ω			Center Fr	ISE:INT eq: 2.56500			Radio Sto	PM Oct 18, 2021 : None	Frequency
		IFE #IFGai	n:Low	Trig: Free #Atten: 3	Run 0 dB	Avg Hold:	:>10/10	Radio De	vice: BTS	
10 dB/div	Ref Offset 1 Ref 30.00									
20.0										Center Free
10.0		www.		~~~~~		man	m			2.565000000 GH
0.00								1		
10.0								1		
20.0 30.0	m							how	mon	
40.0										
0.0										
60.0										
	ec ou-							0	an 15 MHz	
	er 2.565 GHz 3W 150 kHz			#VBW 510 kHz					eep 1 ms	CF Step 1.500000 MHz
Occup	ied Band	width			Total P	ower	29.9	dBm		<u>Auto</u> Ma
		8.941	о мн	z						FreqOffse
Transm	it Freq Erro	or	931 I	Ηz	% of OE	BW Powe	ər 99	.00 %		0 H
x dB Ba	ndwidth	9	.723 MH	Ηz	x dB		-26.	00 dB		
3G							STATUS	-		

Band7_10MHz_64QAM_RB50_0_CH20800

0 dB/div • 9 20.0 10.0 10.0 10.0	Ref Offset 14.83 Ref 30.00 dB						
20.0							
		an and a star and a star a star		w	~~		Center Fre 2.505000000 GH
20.0							
30.0					Low	*****	
60.0							
Center 2.50 Res BW 150			#VBW 510	kHz	Spa Swe	n 15 MHz eep 1 ms	CF Ste 1.500000 MH
Occupie	ed Bandwid 8	_{lth} .9506 MHz	Total I	Power	27.8 dBm		Auto Ma Freq Offs
	Freq Error	-3.467 kHz		BW Power	99.00 %		01
x dB Ban	lawiath	9.710 MHz	x dB		-26.00 dB		

Band7_10MHz_64QAM_RB50_0_CH21100



Band7 10MHz 64QAM RB50 0 CH21400

	m Analyzer - Occupied Bi	N					
	RF 50 Ω DC		SENSE:INT r Freq: 2.565000000 GHz		02:34:36 PM Radio Std:	None	Frequency
	NFE		Free Run Avg Holo n:30 dB	d:>10/10	Radio Devi	ce: BTS	
0 dB/div	Ref Offset 14.83 Ref 30.00 dBr						
og 0.0							Center Fr
10.0		Same and the same of the same		man			2.565000000 GI
1.00	<u> </u>						
0.0					\mathbf{X}		
0.0	mond				man	Same a	
0.0							
0.0							
50.0							
enter 2.56 es BW 150			VBW 510 kHz			n 15 MHz ep 1 ms	CF Ste
						ep i liis	1.500000 M Auto M
Occupie	ed Bandwidt		Total Power	28.8	dBm		
	8.	9603 MHz					Freq Offs
Transmit	Freq Error	-11.039 kHz	% of OBW Pow	ver 99.	00 %		0
x dB Ban	dwidth	9.750 MHz	x dB	-26.0	0 dB		
							L
G				STATUS			

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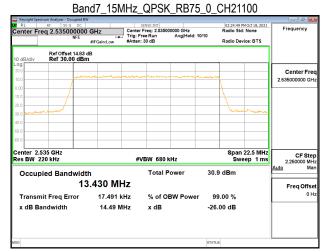
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Report No.: ER/2021/A0027-01 Page: 126 of 422

Band7_15MHz_QPSK_RB75_0_CH20825

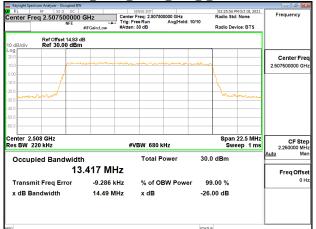
	trum Analyzer - Occupied BW				- @ <u>*</u>
Center Fre	RF 50 Ω DC eq 2.507500000		sense:INT er Freq: 2.507500000 GHz	02:24:27 PM Oct Radio Std: No	
	NFE	Trig:	Free Run Avg Hold:> en: 30 dB	10/10 Radio Device:	BTS
10 dB/div	Ref Offset 14.83 d Ref 30.00 dBm				
20.0					Center Freq
10.0	mon	and the construction of th	and the second sec	un and a second	2.507500000 GHz
0.00					
-10.0					
-20.0	man			June	an marke
-40.0					
-50.0					
-60.0					
Center 2.5 Res BW 2			#VBW 680 kHz	Span 22. Sweep	
Occup	ied Bandwidt	h	Total Power	30.9 dBm	<u>Auto</u> Man
	13	.401 MHz			Freq Offset
Transm	nit Freq Error	-5.472 kHz	% of OBW Power	99.00 %	0 Hz
x dB Ba	andwidth	14.52 MHz	x dB	-26.00 dB	
MSG				STATUS	



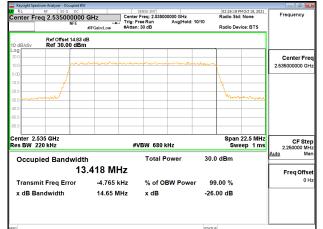
Band7 15MHz QPSK RB75 0 CH21375

Keysight Spec	trum Analyzer - Occupied BV RF 50 Q DC	r i i i i i i i i i i i i i i i i i i i				
	RF 50 Ω DC eq 2.562500000		sense:INT ter Freq: 2.562500000 GHz	Rad	25:33 PM Oct 18, 2021 io Std: None	Frequency
	NFE	Trig	:FreeRun Avg Hold en:30 dB		io Device: BTS	
0 dB/div	Ref Offset 14.83 (Ref 30.00 dBn					
20.0						Center Fre
10.0			and the second	m		2.562500000 GH
.00						
0.0				1		
0.0					marine	
0.0						
0.0						
enter 2.5	563 GHz			S	pan 22.5 MHz	07.01
es BW/2	20 kHz	:	#VBW 680 kHz		Sweep 1 ms	CF Ste 2.250000 MH
Occup	ied Bandwidt	h	Total Power	31.0 dB	m	<u>Auto</u> Ma
		.435 MHz				Freq Offs
Transm	nit Freg Error	12.535 kHz	% of OBW Powe	er 99.00	%	. 01
x dB Ba	andwidth	14.52 MHz	x dB	-26.00 d	в	
3				STATUS		
1				0		

Band7_15MHz_16QAM_RB75_0_CH20825



Band7_15MHz_16QAM_RB75_0_CH21100



Band7 15MHz 16QAM RB75 0 CH21375

	trum Analyzer - Occupied BV	V				- 6 -
RL	RF 50 Ω DC eq 2.562500000	Curte	SENSE:INT r Freq: 2.562500000 GHz		10 PM Oct 18, 2021	Frequency
seniler Fit	NFE	Trig:	ree Run Avg Hold	10/10	Device: BTS	
		#IFGain:Low #Atter	1: 30 08	Radio I	Jevice: D I S	
10 dB/div	Ref Offset 14.83 (Ref 30.00 dBn					
.og 20.0						Center Fre
0.0		man market	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and the second		2.562500000 GI
1.00				\		L
0.0				\ \		
0.0				\		
30.0 	an and a second			~~~~	mmen	
0.0						
50.0						
50.0						
enter 2.5	62 CU-			En	an 22.5 MHz	
Res BW 2		#	VBW 680 kHz		weep 1 ms	CF Ste 2.250000 MI
Occup	ied Bandwidt	h	Total Power	30.0 dBm		Auto M
	13	3.406 MHz				Freq Offs
Transm	nit Freq Error	-18.091 kHz	% of OBW Powe	er 99.00 %		0
x dB Ba	andwidth	14.56 MHz	x dB	-26.00 dB		
sg				STATUS		
ra -				STATUS		

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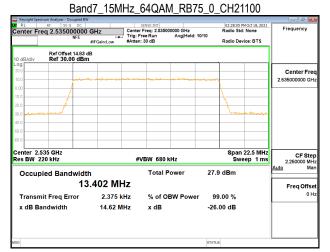
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Report No.: ER/2021/A0027-01 Page: 127 of 422

Band7 15MHz 64QAM RB75 0 CH20825

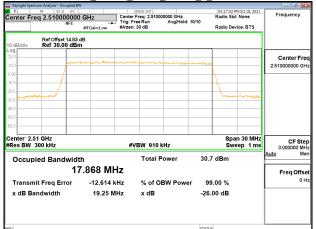
	rum Analyzer - Occupie								- 6 -
Center Fre	RF 50 Q D		Center	Freq: 2.50750	00000 GHz		02:27:22 Radio St	PM Oct 18, 2021 d: None	Frequency
	NFE		#Atten:	30 dB	Avg Hold:	10/10	Radio De	wice: BTS	
10 dB/div	Ref Offset 14. Ref 30.00 d								
20.0									Center Freq
10.0		man	m		man	and when the second			2.507500000 GHz
0.00							1		
-10.0	1						1		
30.0	non						hum	mound	
-40.0									
-50.0									
-60.0									
Center 2.5	08 CH2						Snar	1 22.5 MHz	
Res BW 2			#\	/BW 680 I	KHZ			eep 1 ms	CF Step 2.250000 MHz
Occup	ied Bandwi	dth		Total P	ower	28.9	dBm		<u>Auto</u> Man
		13.391 N	1Hz						Freq Offset
Transm	it Freg Error	-12.11	/ kHz	% of O	BW Powe	r 99	.00 %		0 Hz
x dB Ba	ndwidth	14.50	MHz	x dB		-26.	00 dB		
MSG						STATU	3		



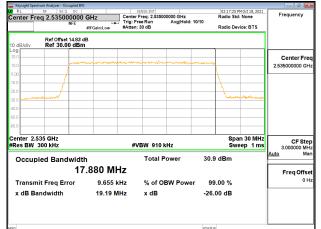
Band7 15MHz 64QAM RB75 0 CH21375

Center Pred Z30230000 CH2 Tig:FreeRun Augitold: 1010 Red of Device: BTS Note and Net	Keysight Spectrum Analyzer -				- 6 -
NFE Trig. Free Run Avg/Hold: 10/10 Radio Device: BTS 0 dB(div. Ref 30.00 dBm 0 <td< th=""><th></th><th></th><th>Center Freq: 2.562500000</th><th>GHz Radio St</th><th></th></td<>			Center Freq: 2.562500000	GHz Radio St	
Original Ref 30.00 dBm October 200		NFE -		vg Hold: 10/10 Radio De	vice: BTS
Center Center 2563 GHz #VEW 680 kHz Span 22.5 MHz 20000 256250000 2010 256250000 2010 256250000 2010 256250000 2010 256250000 2010 256250000 2010 256250000 2010 256250000 2010 256250000 2010 256250000 2010 256250000 2010 256250000 2010 256250000 2011 256250000 2011 256250000 2011 25625000 2012 25625000 2013 25625000 2014 25625000 2015 25625000 2016 25625000 2017 25625000 2018 25625000 2019 25625000 2010 25625000 2010 25625000 2010 25625000 2010 256	0 dB/div Ref 30				
000 000 <td></td> <td></td> <td></td> <td></td> <td>Center Fre</td>					Center Fre
CF 6 CF 6	1.0	monorm	mennemen	man	2.562500000 GH
Image: Second		1			
□ □					
Image: space	here and here and				mmulau
Image: second	1.0				
enter 2.563 GHz ss BW 220 kHz Sweep 1 ms CCF € Sweep 1 ms Ccc € Sweep 1 ms 13.404 MHz Transmit Freq Error -11.089 kHz % of OBW Power 99.00 %	.0				
es BW 220 kHz Sweep 1 ms Auto Occupied Bandwidth Total Power 29.0 dBm Auto 13.404 MHz Freq OI Freq OI Transmit Freq Error -11.089 kHz % of OBW Power 99.00 %	0.0				
Occupied Bandwidth Total Power 29.0 dBm 13.404 MHz Freq Of Transmit Freq Error -11.089 kHz % of OBW Power 99.00 %			#VBW 680 kHz		
Transmit Freq Error -11.089 kHz % of OBW Power 99.00 %	Occupied Bar	ndwidth	Total Pow	er 29.0 dBm	
Transmit Fred Error -11.069 KHZ % of OBW Power 99.00 %		13.404 M	Hz		FreqOffs
x dB Bandwidth 14.51 MHz x dB -26.00 dB	Transmit Freq I	Error -11.089	kHz % of OBW	Power 99.00 %	01
	x dB Bandwidth	14.51	MHz xdB	-26.00 dB	
G STATUS	a			STATUS	

Band7_20MHz_QPSK_RB100_0_CH20850



Band7_20MHz_QPSK_RB100_0_CH21100



Band7 20MHz QPSK RB100 0 CH21350

Keysight Spectrum Analyzer - Occupied BW RL RF 50 Ω DC		SENSE:INT	02:18:09	PM Oct 18, 2021	
enter Freq 2.560000000		r Freq: 2.56000000 GHz	Radio S	d: None	Frequency
NFE		Free Run Avg Hold: n: 30 dB		evice: BTS	
Ref Offset 14.83 d 0 dB/div Ref 30.00 dBm	в				
og					Center Fr
0.0	and an address of the second	man man man and a second second	man		2.560000000 G
.00			\		
0.0					
0.0 June march 0.0			- Unive	monshipping	
0.0					
0.0					
0.0					
enter 2.56 GHz Res BW 300 kHz	#	VBW 910 kHz		an 30 MHz /eep 1 ms	CF Ste 3.000000 M
Occupied Bandwidth	1	Total Power	31.0 dBm		<u>Auto</u> M
	.875 MHz				Freq Offs
Transmit Freq Error	-9.703 kHz	% of OBW Powe	er 99.00 %		0
x dB Bandwidth	19.31 MHz	x dB	-26.00 dB		

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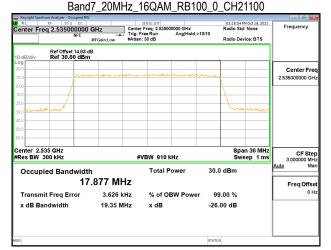
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Report No.: ER/2021/A0027-01 Page: 128 of 422

Band7_20MHz_16QAM_RB100_0_CH20850

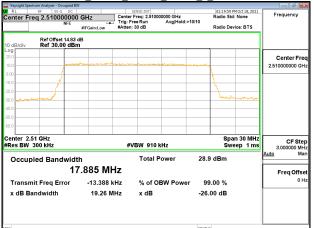
Keysight Spect	trum Analyzer - Occupied Bi RF 50 Q DC	(SENSE:INT			02-10-22	PM Oct 18, 2021	
	eq 2.51000000		Center Freq: 2.5100			Radio Sto		Frequency
	NFE		Trig: Free Run #Atten: 30 dB	Avg Hold:		Radio De	vice: BTS	
0 dB/div	Ref Offset 14.83 Ref 30.00 dBr	iB 1						
0 g 20.0								Center Fre
0.0		man and the second s		and the state of the	manne			2.510000000 GH
.00	<u> </u>				l			
0.0								
0.0	Amound					mon	mour	
1.0								
1.0								
0.0								
enter 2.5 Res BW ≎			#VBW 910	kHz			an 30 MHz eep 1 ms	CF Ste 3.000000 MH
Occup	ied Bandwidt	h	Total I	Power	29.9	dBm		Auto M
occup		 7.910 MHz	z					Freq Offs
Transm	it Freg Error	-19.326 kH	z % of C	BW Powe	r 99.	00 %		0
x dB Ba	Indwidth	19.30 MH	z xdB		-26.0	0 dB		
3					STATUS			
					07/103			



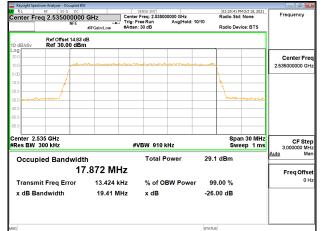
Band7 20MHz 16QAM RB100 0 CH21350

	trum Analyzer - Occupied B	w							@ <mark>_</mark> ×
Center Fre	RF 50 Ω DC eq 2.56000000	0 GHz	SENSE:I Center Freq:	2.560000000			02:19:16 Radio St	PM Oct 18, 2021 d: None	Frequency
	NFE	#IFGain:Low	#Atten: 30 dE		g Hold:	10/10	Radio De	vice: BTS	
10 dB/div	Ref Offset 14.83 Ref 30.00 dB								
20.0		manutar	yman ym ar	man	more	v			Center Free 2.56000000 GHz
0.00	- /-								2.55000000 6H2
-20.0	www.						how	Pulling Rangeman	
-40.0									
-50.0									
Center 2.5 #Res BW			#VBW	910 kHz				an 30 MHz reep 1 ms	CF Step 3.000000 MH
Occup	ied Bandwid			tal Powe	ər	30.1	dBm		<u>Auto</u> Mar
	1	7.896 MH	IZ						Freq Offse
Transm	it Freq Error	-22.261 k	Hz %	of OBW	Powe	r 99	.00 %		он
x dB Ba	Indwidth	19.29 M	Hz x	dΒ		-26.	00 dB		
MSG						STATUS			

Band7_20MHz_64QAM_RB100_0_CH20850



Band7_20MHz_64QAM_RB100_0_CH21100



Band7 20MHz 64QAM RB100 0 CH21350

Keysight Spectrum Analyzer - Occupied B	W			- 6
RL RF 50 Ω DC Center Freq 2.56000000	CH- Cent	SENSE:INT er Freg: 2.560000000 GHz	02:21:23 PM Oct 18, 2021 Radio Std: None	Frequency
NFE	Trig:	Free Run Avg Hold: n: 30 dB		
Ref Offset 14.83 Ref 30.00 dB/				
.og 20.0				Center Fre
10.0	manne	man and a faith the water	manon	2.56000000 GH
0.00				
10.0				
20.0				
~~~			howing have been been a second and a second a	
40.0				
50.0				
Center 2.56 GHz #Res BW 300 kHz	;	¢VBW 910 kHz	Span 30 MHz Sweep 1 ms	
Occupied Bandwid	th	Total Power	29.1 dBm	Auto Ma
1	7.880 MHz			Freq Offs
Transmit Freq Error	-9.111 kHz	% of OBW Powe	r 99.00 %	01
x dB Bandwidth	19.30 MHz	x dB	-26.00 dB	
sg			STATUS	

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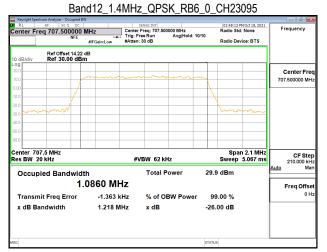
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# Report No.: ER/2021/A0027-01 Page: 129 of 422

#### Band12_1.4MHz_QPSK_RB6_0_CH23017

	um Analyzer - Occupied BW					- 0 ×
Center Fre	RF 50 Ω DC <b>G 699.700000 M</b>	Hz Ce	SENSE:INT nter Freq: 699.700000 MHz	Radio St	PM Oct 18, 2021 d: None	Frequency
	NFE	Tri	g:FreeRun Avg Hold: tten:30 dB		vice: BTS	
10 dB/div	Ref Offset 14.22 di Ref 30.00 dBm	3				
20.0						Center Freq
10.0			mmmm	~		699.700000 MHz
0.00				- <u> </u>		
10.0						
20.0						
30.0	man and a second			m	the second second	
40.0						
-50.0						
-60.0						
Center 699 Res BW 20			#VBW 62 kHz		n 2.1 MHz 5.067 ms	CF Step 210.000 kH
Occupi	ed Bandwidth	1	Total Power	29.9 dBm	A	<u>uto</u> Mar
	1.0	848 MHz			Г	Freq Offset
Transmi	it Freq Error	-78 Hz	% of OBW Powe	r 99.00 %		0 Ha
x dB Bar	ndwidth	1.224 MHz	x dB	-26.00 dB		
ISG				STATUS		



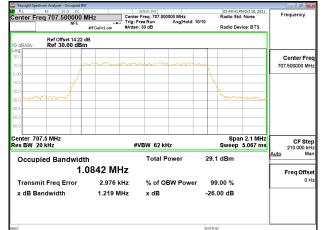
# Band12 1.4MHz QPSK RB6 0 CH23173

	rum Analyzer - Occu									
X RL Center Fre	RF 50 Ω 20 715.3000		7	Center F	NSE:INT req: 715.300				57 PM Oct 18, 2021 Std: None	Frequency
	N 10.000	IFE	FGain:Low	#Atten: 3		Avg Hold:	>10/10	Radio	Device: BTS	
10 dB/div	Ref Offset 1 Ref 30.00									
20.0										Center Fre
10.0		1 m	m	m	m	mm	m		_	715.300000 MH
1.00										
0.0	/	-						X		
0.0	mm							ha	mm	
0.0										
1.0										
0.0			_					_		
enter 71	5 3 MHz								pan 2.1 MHz	
es BW 2				#VE	3W 62 kH	iz			ep 5.067 ms	CF Ste 210.000 ki
Occup	ied Bandy	vidth			Total P	ower	3(	).0 dBm		Auto Ma
			857 MI	Ηz						Freq Offs
Transm	it Freq Erro	or	-2.143	kHz	% of OE	3W Powe	ər	99.00 %	0	01
x dB Ba	ndwidth		1.224 N	IHz	x dB		-2	6.00 dE	3	
iG							STA	TUS		

#### Band12 1.4MHz 16QAM RB6 0 CH23017

Keysight Spectru	m Analyzer - Occupied BW RF 50 Q DC		SENSE:INT	03:49:	19 PM Oct 18, 2021	
Center Free	g 699.700000 MH	Z Cente	er Freq: 699.700000 MHz Free Run Avg Hold:	Radio	Std: None	Frequency
	NFE #I		m: 30 dB		Device: BTS	
10 dB/div	Ref Offset 14.22 dB Ref 30.00 dBm					
20.0						Center Fre
10.0	~ ~	mmm	mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm			699.700000 MH
0.00	1					
10.0	/					
20.0	/					
30.0	man			han		
40.0						
50.0						
60.0						
Center 699. Res BW 20		#	≇VBW 62 kHz		oan 2.1 MHz p 5.067 ms	CF Ste 210.000 kH
Occupie	ed Bandwidth		Total Power	29.0 dBm		Auto Ma
		356 MHz				Freq Offs
Transmit	t Freq Error	4.603 kHz	% of OBW Powe	r 99.00 %		01
x dB Ban	ndwidth	1.218 MHz	x dB	-26.00 dB		
ia.				STATUS		

# Band12_1.4MHz_16QAM_RB6_0_CH23095



#### Band12 1.4MHz 16QAM RB6 0 CH23173

Keysight Spectrum Analyzer - Occupied BW				
RL         RF         50 Ω         DC           Center Freq 715.300000 Ν         NFE	Trig:	SENSE:INT er Freq: 715.300000 MHz Free Run Avg Hold: 1 n: 30 dB	03:50:04 PM Oct 18, 2021 Radio Std: None 0/10 Radio Device: BTS	Frequency
Ref Offset 14.22 d 0 dB/div Ref 30.00 dBm	В		_	
og 20.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~	Center Fre 715.300000 MH
0.0			hanne	
0.0				
enter 715.3 MHz es BW 20 kHz	#	≠VBW 62 kHz	Span 2.1 MH Sweep 5.067 m	
Occupied Bandwidt		Total Power	29.3 dBm	Auto M
1.0 Transmit Freg Error	2.456 kHz	% of OBW Power	99.00 %	Freq Offs 0
x dB Bandwidth	1.220 MHz	x dB	-26.00 dB	
G			STATUS	

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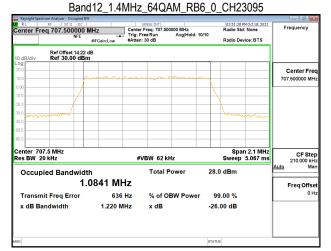
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# Report No.: ER/2021/A0027-01 Page: 130 of 422

#### Band12 1.4MHz 64QAM RB6 0 CH23017

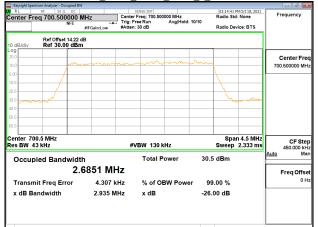
Transmi x dB Bar	t Freq Erro ndwidth	Dr	1.512   1.222 N		% of OI x dB	BW Power		9.00 % 00 dB			0 H
Occupi	ed Bandy		843 MI	Ηz	Total P	ower	27.9	dBm		Auto F	req Offse
Center 699 Res BW 20				#VE	3W 62 kH	łz			n 2.1 MHz 5.067 ms		CF Step 210.000 kH Mar
60.0											
50.0											
40.0	mann								mon mon		
0.0	- /	·									
0.0		/									
10.0		1			~~~~					699.	700000 MH
20.0											enter Fre
0 dB/div	Ref Offset 7 Ref 30.00										
	,	IFE #	IFGain:Low	#Atten: 3		Avg Hold: 1	0/10	Radio De	vice: BTS		
enter Fre	q 699.700	000 MH	lz		req: 699.700			Radio St	d: None	Fre	quency



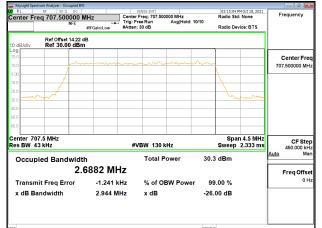
# Band12 1.4MHz 64QAM RB6 0 CH23173

	rum Analyzer - Occupied B	W							- 8 <b>-</b>
Center Fre	RF 50 Q DC eq 715.300000 NFE	MHz #IFGain:Low	Center Fr		000 MHz Avg Hold:	10/10	Radio St	PM Oct 18, 2021 d: None wice: BTS	Frequency
10 dB/div	Ref Offset 14.22 Ref 30.00 dBi								
20.0			nnar			~			Center Fre 715.300000 MH
20.0									
40.0 50.0	m					-	Jama	m~~~m	
30.0 Senter 715									
enter 71: es BW 20			#VE	3W 62 kH	Iz			n 2.1 MHz 5.067 ms	CF Ste 210.000 kH
Occupi	ied Bandwid 1.	th 0840 MI	Ηz	Total P	ower	28.	1 dBm		Auto Ma
Transm	it Freq Error	-65	Hz	% of O	BW Powe	or 9	9.00 %		01
x dB Ba	ndwidth	1.221 N	IHz	x dB		-26	.00 dB		
3G						STAT	JS		

#### Band12 3MHz QPSK RB15 0 CH23025



#### Band12 _3MHz_QPSK_RB15_0_CH23095



#### Band12 3MHz QPSK RB15 0 CH23165

	m Analyzer - Occupied BV	1						
	RF 50 Ω DC	//H-z Cent	SENSE:INT er Freg: 714.5000	DOD MHz		03:15:48 P Radio Std	M Oct 18, 2021	Frequency
cinter i req	NFE	Trig:	Free Run m: 30 dB	Avg Hold:	>10/10	Radio Dev	ice: BTS	
		#IFGalli:LOW #Att				Rualo Del	ice. D10	
0 dB/div	Ref Offset 14.22 ( Ref 30.00 dBn							
og	101 30.00 UBI	•						
20.0					-D +-			Center Fr
10.0					2			714.500000 M
1.00						1		
0.0						1		
0.0						m	mm	
0.0								
50.0								
50.0								
Center 714.							1 4.5 MHz	CF St
Res BW 43	kHz		#VBW 130 kl	Hz		Sweep	2.333 ms	450.000 k
Occupie	d Bandwidt	h	Total Po	ower	30.4	dBm		Auto M
-		6855 MHz						
								Freq Offs 0
Transmit	Freq Error	-2.616 kHz	% of OB	BW Powe	er 99	.00 %		Ľ
x dB Ban	dwidth	2.954 MHz	x dB		-26.	00 dB		
sg					STATUS			

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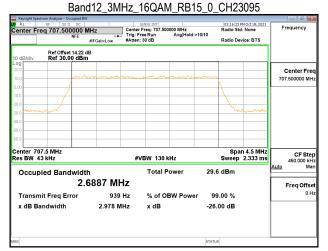
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# Report No.: ER/2021/A0027-01 Page: 131 of 422

### Band12 3MHz 16QAM RB15 0 CH23025

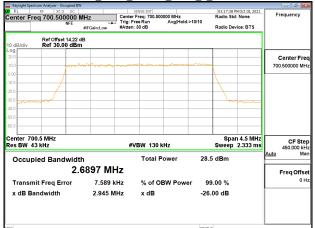
RL RF 50 S enter Freg 700.50		z Cent	SENSE:INT er Freg: 700.50	0000 MHz		03:16:11 Radio St	PM Oct 18, 2021	Frequency
	NEE	Trig	Free Run en: 30 dB	Avg Hold: 1	0/10	Radio De	vice: BTS	
Ref Offse dB/div Ref 30.0								
0.0								Center Fre
00	man		- All Carl		~~~~~			700.500000 MH
1.0						$\langle \rangle$		
.0						-\		
.0								
.0								
1.0								
enter 700.5 MHz						Sna	n 4.5 MHz	
es BW 43 kHz			#VBW 130	kHz			2.333 ms	CF Ste 450.000 ki
Occupied Band	width		Total F	Power	29.5	dBm		Auto Ma
		58 MHz						Freq Offs
Transmit Freq Er	ror	5.365 kHz	% of O	BW Power	99	.00 %		01
x dB Bandwidth		2.960 MHz	x dB		-26.	00 dB		
G					STATUS			C



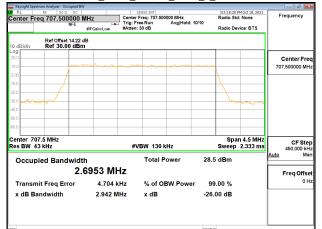
# Band12 3MHz 16QAM RB15 0 CH23165

	um Analyzer - Occu									
Center Fre	RF 50 Ω		2	Center F	NSE:INT req: 714.500			03:16:55 Radio St	PM Oct 18, 2021 d: None	Frequency
	N	IFE	Gain:Low	#Atten: 3	e Run 0 dB	Avg Hold:	10/10	Radio De	vice: BTS	
10 dB/div	Ref Offset 1 Ref 30.00									
20.0										Center Free
10.0	1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		m	m	mm				714.500000 MH
0.00	- /							λ		
10.0										
20.0	m							<u></u>	- mmm	
30.0										
50.0										
60.0										
Center 714	.5 MHz							Spa	ın 4.5 MHz	
Res BW 43				#VE	3W 130 H	Hz			2.333 ms	CF Ste 450.000 kH
Occupi	ed Bandy	vidth			Total P	ower	29.6	dBm		<u>Auto</u> Mar
			39 MI	Ηz						Freq Offse
Transmi	it Freq Erro	or	-2.449	kHz	% of O	BW Powe	r 99	.00 %		он
x dB Ba	ndwidth		2.955 N	IHz	x dB		-26.	00 dB		
ISG							STATUS	3		

# Band12_3MHz_64QAM_RB15_0_CH23025



# Band12_3MHz_64QAM_RB15_0_CH23095



# Band12 3MHz 64QAM RB15 0 CH23165

Keysight Spectrum Analyz							- 0 0 <u>-</u>
RL RF	50 Ω DC	-	SENSE:INT Center Freg: 714.50	0000 MHz	03:19:02 Radio S	2 PM Oct 18, 2021	Frequency
Center Freq 714	NFE		Trig: Free Run #Atten: 30 dB	Avg Hold: 10	/10	evice: BTS	
	offset 14.22 dE 30.00 dBm				<u>.</u>		
20.0							Center Fre
0.0	mm	m			~~~~		714.500000 Mi
.00							
0.0	1						
0.0 mar and	/					man	
0.0							
0.0							
0.0							
Center 714.5 MH Res BW 43 kHz	z		#VBW 130	kHz		an 4.5 MHz 0 2.333 ms	CF Ste 450.000 ki
Occupied B	andwidth		Total F	Power	28.6 dBm		Auto M
	2.6	879 MH	z				Freq Offs
Transmit Free	Error	4.022 kH	lz % of O	BW Power	99.00 %		0
x dB Bandwid	lth	2.931 MH	lz xdB		-26.00 dB		
ig.					STATUS		t

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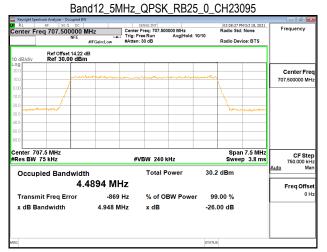
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# Report No.: ER/2021/A0027-01 Page: 132 of 422

# Band12 5MHz QPSK RB25 0 CH23035

x dB Ban	-	4.923 M		dB		-26.	00 dB			
Transmit	۰۰ t Freq Error	2.281 k		6 of OE	3W Powe	r 99	.00 %		Fre	q Offse 0 Ha
Occupie	ed Bandwidt 4	հ 4691 MH		Total P	ower	30.3	dBm			
Center 701. #Res BW 7			#VBV	V 240 k	Hz			7.5 MHz 3.8 ms		CF Step 0.000 kH: Mar
-60.0										
-50.0										
40.0										
20.0	and I						m	mon		
10.0	+/-									
0.00	+ A-						\			
0.0	promo	mann	mme	****	m				701.500	ter Fre 1000 MH
10 dB/div	Ref Offset 14.22 ( Ref 30.00 dBn									
		#IFGain:Low	#Atten: 30	B	•		Radio Devi	ce: BTS		
enter Free	q 701.500000 I	//Hz	Center Free	: 701.500	000 MHz AvgiHold:	10/10	Radio Std:		Frequ	ency
RI	RF 50 Ω DC		SENS	INT			03-08-05 PM	Oct 18, 2021		Ø   ×



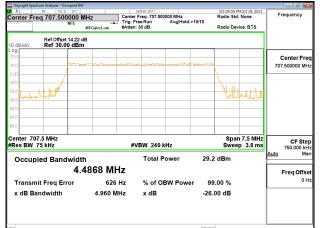
# Band12 5MHz QPSK RB25 0 CH23155

	rum Analyzer - Occupie	ed BW			_				- Ø <b>-</b>
Center Fre	RF 50 Ω D eq 713.50000	0 MHz	Center F Trig: Fre		000 MHz Avg Hold	: 10/10	Radio St		Frequency
	Ref Offset 14.	#IFGain:Low	#Atten: 3	80 dB			Radio De	vice: BTS	
0 dB/div	Ref 30.00 d	IBm							
10.0			-	m	mann	mar			Center Fre 713,500000 MH
.00	A_						λ		710.00000 Mil
0.0									
	man						how	m	
0.0									
enter 713 Res BW			#VE	3W 240 k	(H7			n 7.5 MHz ap 3.8 ms	CF Ste 750,000 kł
	ied Bandwi	idth		Total P		30.2	dBm		Auto Ma
		4.4638 N	IHz						Freq Offs
Transm	it Freq Error	-85	3 Hz	% of O	BW Powe	er 99	.00 %		0 H
x dB Ba	ndwidth	4.917	MHz	x dB		-26.	00 dB		
3						STATU	3		

#### 03:09:34 PM Oct 18, Radio Std: None enter Freq 701.500000 MHz Frequency 0 MHz Radio Device: BTS Ref Offset 14.22 di Ref 30.00 dBm Center Fre 701.500000 MH enter 701.5 MHz Res BW 75 kHz Span 7.5 MHz Sweep 3.8 ms CF Step 750.000 kH: Mar #VBW 240 kHz Total Power 29.2 dBm Occupied Bandwidth 4.4762 MHz Freq Offse 0 F Transmit Freq Error -401 Hz 99.00 % % of OBW Power x dB Bandwidth 4.885 MHz -26.00 dB x dB

Band12 5MHz 16QAM RB25 0 CH23035

# Band12_5MHz_16QAM_RB25_0_CH23095



# Band12 5MHz 16QAM RB25 0 CH23155

Keysight Spectrum Analyzer - Occupied RL RF 50 Ω DC		SENSE:INT			M Oct 18, 2021	
enter Freq 713.50000		r Freq: 713.500000 MHz Free Run Avg Hold	40/40	Radio Std	: None	Frequency
NFE		n: 30 dB	. 10/10	Radio Dev	vice: BTS	
Ref Offset 14.2 0 dB/div Ref 30.00 dE						
og						Center Fre
10.0	manne	a regard manuna	mone			713,500000 M
1.00						
0.0				4		
0.0				<u> </u>		
0.0					macro	
0.0						
50.0						
50.0						
enter 713.5 MHz Res BW 75 kHz	#	VBW 240 kHz			n 7.5 MHz ep 3.8 ms	CF Ste 750.000 k
Occupied Bandwid	ith	Total Power	29.2	dBm		<u>Auto</u> M
	.4702 MHz					Freq Offs
Transmit Freq Error	539 Hz	% of OBW Pow	er 99	.00 %		0
x dB Bandwidth	4.912 MHz	x dB	-26.	00 dB		
g			STATUS			

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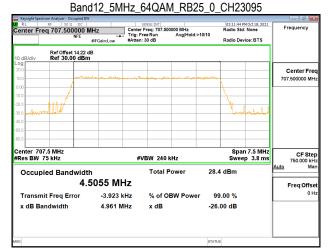
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# Report No.: ER/2021/A0027-01 Page: 133 of 422

### Band12 5MHz 64QAM RB25 0 CH23035

Keysight Spect	trum Analyzer - Occ										-   @   <del>×</del>
	RF 50 Ω eq 701.500		7	Center F	NSE:INT req: 701.500			Radio Sto	M Oct 18, 2021 : None	Fre	quency
		NFE	Gain:Low	Trig: Free Run Avg Hold: 10/10 #Atten: 30 dB			: 10/10	Radio De	vice: BTS		
10 dB/div	Ref Offset Ref 30.00										
20.0											enter Fred
10.0		maria	يە مەربىي مەربىيە مەرب مەربىيە مەربىيە	manth	monto	mman	mon			701.6	500000 MH
10.00	1							1			
20.0								1			
30.0	- month							here	and they		
40.0									and the second second		
50.0											
60.0											
Center 70 Res BW				#VI	3W 240 H	Hz		Spa Swee	n 7.5 MHz p 3.8 ms	<u> </u>	CF Ste 50.000 kH
Occup	ied Band	width			Total P	ower	28.5	i dBm		Auto	Ma
		4.48	52 MI	Ηz						F	req Offse
Transm	nit Freq Err	or	309	Hz	% of O	BW Powe	ər 99	.00 %			0 H
x dB Ba	andwidth		4.911 N	IHz	x dB		-26.	00 dB			
sg							STATUS	3			



# Band12 5MHz 64QAM RB25 0 CH23155

Keysight Spectrum Analyzer - Occupied Bi RL RF 50 Q DC	v	SENSE:INT	03:12:26 PM Oct 18	2021
enter Freq 713.500000		r Freq: 713.500000 MHz	Radio Std: None	
NFE		Free Run Avg Hold:1 n:30 dB	Radio Device: B	тя
Ref Offset 14.22 IO dB/div Ref 30.00 dBr				
20.0				Center Fre
0.0	a construction of the second sec	han market war and a second		713.500000 MH
1.00				
0.0				_
0.0				
10 mulan mark			Ju Page and Lake	~1~~
0.0				
10				
enter 713.5 MHz Res BW 75 kHz	#	VBW 240 kHz	Span 7.5 Sweep 3.3	8 ms 750.000 kł
Occupied Bandwidt	h	Total Power	28.5 dBm	Auto Ma
	4798 MHz			Freq Offs
Transmit Freq Error	-1.716 kHz	% of OBW Power	99.00 %	01
x dB Bandwidth	4.918 MHz	x dB	-26.00 dB	
			STATUS	

# Band12_10MHz_QPSK_RB50_0_CH23060

Keysight Spect	trum Analyzer - Occupied BW RF 50 Ω DC		SENSE:INT			PM Oct 18, 2021	
Center Fre	eg 704.000000 I		Center Freq: 704.00		Radio St	d: None	Frequency
	NFE		Frig: Free Run #Atten: 30 dB	Avg Hold: 1		vice: BTS	
0 dB/div	Ref Offset 14.22 o Ref 30.00 dBn						
og 20.0							Center Fre
0.0	- m	man	mentremena	mound	mm		704.000000 MI
	/				<b>\</b>		
0.0	(1 )				- I Y		
h	munal				Jun.	Mannen	
0.0							
0.0							
0.0							
0.0							
enter 704					Sp	an 15 MHz	CF Ste
esBW 1	50 kHz		#VBW 510	kHz	Sw	reep 1 ms	1.500000 M
Occup	ied Bandwidt	h	Total I	Power	30.6 dBm		Auto M
	8.	9528 MHz	z				Freq Offs
Transm	it Freq Error	-15.512 kH	z % of O	BW Power	99.00 %		0
x dB Ba	ndwidth	9.625 MH	z xdB		-26.00 dB		
a					STATUS		

# Band12_10MHz_QPSK_RB50_0_CH23095



# Band12 10MHz QPSK RB50 0 CH23130

Keysight Spectrum Analyzer - Occupied B ⁶	N			
RL RF 50Ω DC Center Freq 711.000000 NFE	Trig:	SENSE:INT Freq: 711.000000 MHz Free Run Avg Hold: n: 30 dB	10/10 Radio Std: I Radio Devic	None Frequency
Ref Offset 14.22 Ref 30.00 dB				
-og 20.0 10.0			~~~~	Center Fre 711.000000 MI
1.00				
20.0 20.0			hand	aufuraliser
50.0				
enter 711 MHz les BW 150 kHz	#	VBW 510 kHz		15 MHz CF Ste p 1 ms 1.500000 M
Occupied Bandwid	th 9660 MHz	Total Power	30.3 dBm	Auto M
O. Transmit Freq Error	20.043 kHz	% of OBW Powe	er 99.00 %	Freq Offs 01
x dB Bandwidth	9.679 MHz	x dB	-26.00 dB	
iG			STATUS	

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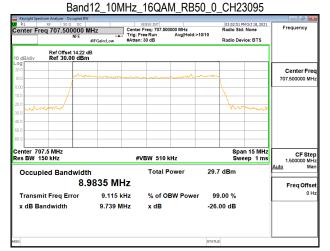
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# Report No.: ER/2021/A0027-01 Page: 134 of 422

#### Band12 10MHz 16QAM RB50 0 CH23060

	um Analyzer - Oco									
Center Fre	RF 50 Ω		,		NSE:INT reg: 704.000	000 MHz		03:02:28 Radio St	PM Oct 18, 2021 d: None	Frequency
o on tor the		NEE	- Gain:Low	#Atten: 3		Avg Hold	: 10/10	Radio De	vice: BTS	
		ell'	Gamicow	written. o	0 00			Tradio De	NICE. DITO	
10 dB/div	Ref Offset Ref 30.0									
Log	Kei 30.0							<u> </u>		i
20.0		0040.0000								Center Freq
10.0	1				· · · · · · · · · · · · · · · · · · ·	hand	- marine			704.000000 MHz
0.00	/							1		
-10.0	1									
-20.0	and and							1	Munn	
-30.0	1000							- Qm	Charles -	
-40.0										
-50.0										
-60.0										
Center 704								Sp	an 15 MHz	CF Step
Res BW 15	0 kHz			#VE	3W 510 k	:Hz		Sw	reep 1ms	1.500000 MHz
Occupi	ed Band	width			Total P	ower	29.7	7 dBm		<u>Auto</u> Man
	eu banu				Totall	01101	20.1	abiii		
		8.90	83 MI	1Z						Freq Offset
Transmi	it Freq Err	or	-4.770	Hz	% of O	SW Powe	ər 99	9.00 %		0 Hz
x dB Ba	ndwidth		9.707 M	Hz	x dB		-26	00 dB		
					~ ~ ~		201			
MSG							STATU	s		



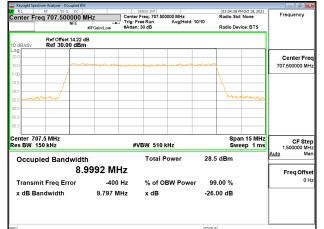
#### Band12 10MHz 16QAM RB50 0 CH23130

	rum Analyzer - Occupied BV	V				
Center Freq 711.000000 MHz			SENSE:INT Freq: 711.000000 MHz		03:03:13 PM Oct 18, 202 Radio Std: None	Frequency
	NFE #IFGain:Low		Free Run Avg Ho n: 30 dB	old: 10/10	Radio Device: BTS	
0 dB/div	Ref Offset 14.22 ( Ref 30.00 dBn					
.og 20.0						Center Fre
10.0	man	warman and a second and a second and a second a	montant	horm		711.000000 MH
1.00					\	
0.0					X	-
0.0	- / -					
0.0	now				mound	-
0.0						-
50.0						-
50.0				_		
Center 711 MHz Res BW 150 kHz			≠VBW 510 kHz		Span 15 MH Sweep 1 m	
Occupied Bandwidth			Total Power	29.7	dBm	Auto Ma
	8.	9225 MHz				Freq Offs
Transmit Freq Error 24.011 k		24.011 kHz	% of OBW Po	wer 99	.00 %	01
x dB Ba	ndwidth	9.596 MHz	x dB	-26.	00 dB	
9G				STATUS		

# Band12_10MHz_64QAM_RB50_0_CH23060

	m Analyzer - Occupied Bi	(		_		-		- @ <b>*</b>
Center Freq 704.000000 MHz			SENSE:INT Center Freg: 704.000000 MHz			03:03:55 PM Oct 18, 2021 Radio Std: None		Frequency
	NFE #IFGain:Low		Trig: Free Run Avg Hold: 10/10 #Atten: 30 dB			Radio Device: BTS		
10 dB/div	Ref Offset 14.22 Ref 30.00 dBn							
.og 20.0								Center Fre
10.0		monom		m	~~~~~			704.000000 MH
0.00	<u> </u>					\		
0.0						$\mathbf{X}$		
0.0						$\rightarrow$		
0.0	man					~~~	a she way and	
0.0								
20.0								
enter 704 MHz Span 15 MHz Span 15 MHz es BW 150 kHz Sweep 1 ms						CF Ste 1.500000 MH		
Occupie	d Bandwidt	h	Total F	ower	28.7	dBm		<u>Auto</u> Ma
	8.	9266 MHz						Freq Offse
Transmit	Freq Error	-11.143 kHz	% of O	BW Power	r 99	.00 %		0+
x dB Ban	dwidth	9.666 MHz	x dB		-26.	00 dB		
					STATUS			

# Band12_10MHz_64QAM_RB50_0_CH23095



#### Band12 10MHz 64QAM RB50 0 CH23130

RL   RF   50 Ω DC Center Freq 711.000000		sense:INT Freq: 711.000000 MHz	Radio Std:	None Freque	Frequency	
NFE	Trig:	FreeRun Avg Hold:> n:30 dB	•10/10 Radio Devi	ce: BTS		
Ref Offset 14.2 0 dB/div Ref 30.00 dE						
og 20.0				Cente	er En	
10.0	man man	- manna	men	711.0000		
1.00						
0.0			$\sim$			
0.0						
0.0			Mr we	and and a second		
0.0						
50.0						
enter 711 MHz				15 MHz		
tes BW 150 kHz	#	VBW 510 kHz			CF Ste 1.500000 MI	
Occupied Bandwidth		Total Power	28.5 dBm	Auto	Auto M	
8	.9330 MHz			Freq	Offs	
Transmit Freq Error	22.349 kHz	kHz % of OBW Power			0	
x dB Bandwidth 9.685 M		x dB	-26.00 dB			
iG			STATUS			

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