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Band4 20MHz QPSK RB100 0 CH20050

Keysight Spectr	rum Analyzer - Occupied BW								
Center Fre	RF 50 Ω DC eq 1.720000000 G	-+	Center Fr			10/10	Radio Std		Frequency
10 dB/div	Ref Offset 14 dB Ref 30.00 dBm	FGain:Low	#Atten: 3	U dB			Radio Dev	ICE: BIS	
20.0 10.0			mangen	man		-			Center Fre 1.720000000 GH
20.0									
-30.0 -40.0 -50.0	manderman					\ns.	manna	and an algo	
-60.0							- Croop d	0.00 MHz	
#Res BW 3			#VE	SW 1 MH	z			ep 1 ms	CF Ste 4.000000 MH
Occupi	ied Bandwidth			Total P	ower	29.	8 dBm		<u>Auto</u> Ma
	17.	802 MI	Ηz						Freq Offse
Transmi	it Freq Error	3.492 k	Hz	% of OE	BW Powe	r 9	9.00 %		0 H
x dB Ba	ndwidth	19.18 M	IHz	x dB		-26	.00 dB		
80						E STAT	15		

ter Fre	RF 50 Ω DC eq 1.732500000	T	SENSE:INT enter Freq: 1.7325000 ig: Free Run sten: 30 dB	ALIGN AUTI 00 GHz Avg Hold: 10/10	Radio Std		Frequency
B/div	Ref Offset 14 dB Ref 30.00 dBm	In Guilleon -	Atten: 30 dB		Radio De	VICE: BTS	
							Center 1.732500000
	3250 GHz 300 kHz		#VBW 1 MHz			eep 1 ms	CF \$
Occup	ied Bandwidt		Total Po	wer 29	.8 dBm		Auto
	1/ hit Freq Error andwidth	20.698 kHz 19.29 MHz	% of OB		99.00 % 6.00 dB		Freq Of

Band4_20MHz_QPSK_RB100_0_CH20300

Keysight !	Spectrum Analyzer - Occ	upied BW							00
Center	RF 50 Ω Freq 1.74500	0000 GHz		SE:INT eq: 1.745000		LIGN AUTO	11:03:19 A Radio Std	M May 10, 2024 : None	Frequency
		#IFGain:Low		dB	Avginoid.		Radio Dev	rice: BTS	
10 dB/div	Ref Offset Ref 30.0								
20.0			whenner		mm	4			Center Freq 1.745000000 GHz
0.00			_			<u> </u>			1.74300000 GH2
-10.0									
-30.0		artur				L.	t shark man	Marb mysel	
-50.0			_						
-60.0									
	1.74500 GHz N 300 kHz		#VB	W 1 MHz				0.00 MHz ep 1 ms	CF Step 4.000000 MHz
Occi	upied Band			Total Po	wer	29.8	3 dBm		Auto Man
		17.849 I	MHz						Freq Offset
	smit Freq Err			% of OB	W Powe		9.00 %		0 Hz
x dB	Bandwidth	19.2	9 MHz	x dB		-26.	00 dB		
MSG							5		<u> </u>

Band4 20MHz 16QAM RB100 0 CH20050

Keysight Spect	RF 50 Q	pied BW			NSE:INT		ALIC	N AUTO	11.00.64	AM May 10, 2024	
Center Fre	eq 1.720000		Hz	Center F	reg: 1.72000				Radio Ste		Frequency
		м	FGain:Low	#Atten: 3		Avg Hold	: 10/	10	Radio De	vice: BTS	
10 dB/div	Ref Offset 1 Ref 30.00										
.og 20.0											Center Fre
0.0		ł		and many	mon	and and the second	Н				1.72000000 G
00		1									
10	_	1									
مالىلىمانىي 0.0	- and a second second	الدعد					\vdash	mon	and the second	- commente	
0.0							Ħ				
0.0											
enter 1.7	2000 GHz								Span	40.00 MHz	
Res BW				#VE	BW 1 MH	z				eep 1 ms	CF Ste 4.000000 M
Occup	ied Bandw	vidth			Total P	ower		28.9	dBm		Auto M
		17.8	352 MI	Ηz							Freg Offs
Transm	it Freq Erro	r	-8.767	kHz	% of O	BW Pow	er	99	.00 %		01
x dB Ba	ndwidth		19.25 N	IHz	x dB			-26.	00 dB		

Band4_20MHz_16QAM_RB100_0_CH20175

R	RF 50 Ω DC		SENSE:INT		IGN AUTO	11:02:00 A	M May 10, 2024	Frequency
enter Fred	q 1.732500000	GHz #IFGain:Low		Avg Hold:>	10/10	Radio Std		linguency
0 dB/div	Ref Offset 14 dB Ref 30.00 dBm				,			
1.0 1.0			-	-	-			Center Fre 1.732500000 GH
10		,			ł			
1.0	al remains and and				1000		wither some marker	
0.0								
enter 1.732 Res BW 30			#VBW 1N	1Hz			0.00 MHz ep 1 ms	CF Ste 4.000000 MH
Occupie	ed Bandwidth			Power	29.0) dBm		<u>Auto</u> Ma
		.897 MI						Freq Offs
Transmit x dB Ban	t Freq Error Idwidth	-6.544 H 19.29 N		OBW Power		0.00 % 00 dB		

Band4_20MHz_16QAM_RB100_0_CH20300

The STATU

R RF 50 Q D Center Freq 1.7450000	00 GHz Cente	SENSE:INT AL r Freq: 1.745000000 GHz Free Run Avg Hold: 1	Radio St	AM May 10, 2024 d: None	Frequency
		n: 30 dB		vice: BTS	
Ref Offset 14 0 dB/div Ref 30.00 d					
.og 20.0					Center Fre
10.0			1		1.745000000 G
0.00					
0.0					
0.0 Antonio and anno more	1		manurer		
0.0				- Contraction	
0.0					
enter 1.74500 GHz Res BW 300 kHz	#	VBW 1 MHz		40.00 MHz eep 1 ms	CF Ste 4.000000 M
Occupied Bandwi	dth	Total Power	28.9 dBm		Auto M
	17.908 MHz				Freq Offs
Transmit Freq Error	19.837 kHz	% of OBW Power	99.00 %		•
x dB Bandwidth	19.31 MHz	x dB	-26.00 dB		
ia.			STATUS		

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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Band5 1.4MHz QPSK RB6 0 CH20407

Keysight Spe	ectrum Analyzer - Occupier							
Center Fr	RF 50 Ω DC req 824.70000		Center Freq: 8 Trig: Free Run		ALIGN AUTO	Radio Std	M May 10, 2024 None	Frequency
		#IFGain:Low	#Atten: 30 dB			Radio Dev	ice: BTS	
10 dB/div	Ref Offset 13.8 Ref 30.00 di							
20.0								Center Fre
10.0		mm	mmm	mm	m			824.700000 M
					$\vdash \Lambda$			
0.0						1		
0.0	man					Jun	mm	
0.0								
0.0						-		
0.0								
0.0								
enter 82 Res BW	4.700 MHz 22 kHz		#VBW	68 kHz			.100 MHz p 4.2 ms	CF St 210.000 k
Occur	pied Bandwi	dth	To	al Power	29.	7 dBm		Auto M
		1.0879 M	Hz					Freq Offs
Transn	nit Freq Error	-1.329	kHz %o	of OBW Pow	er 99	9.00 %		0
x dB B	andwidth	1.268	VIHz x d	в	-26	.00 dB		
a					K STATU	5		I

	trum Analyzer - Occupied RF 50 Ω DC eq 836.500000	BW MHz	SENSE-INT Center Freq: 836.5000 Trig: Free Run Exten: 30 dB	ALIGN A	Radio Std	M May 10, 2024 : None	Frequency
dB/div	Ref Offset 13.8 Ref 30.00 dE						
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				Center Fr 836.500000 N
0 0 0 0 0 0	3.500 MHz				Span	2.100 MHz	
es BW			#VBW 68 kHz	e e e e e e e e e e e e e e e e e e e		p 4.2 ms	CF S1 210.000
Occup	ied Bandwid	ith .0889 MH	Total Po	wer	29.7 dBm		Freq Off
	iit Freq Error andwidth	-914 H 1.290 MH	- /*=	W Power	99.00 % -26.00 dB		0

# Band5_1.4MHz_QPSK_RB6_0_CH20643

Keysight Spect	trum Analyzer - Occupied BW RF 50 Ω DC		SEN	ISE:INT		ALIGN AUTO	02:04:53	PM May 10, 2024	
Center Fre	eq 848.300000 N	¶FGain:Low			000 MHz Avg Hold:	>10/10	Radio S Radio D	d: None evice: BTS	Frequency
10 dB/div	Ref Offset 13.8 dE Ref 30.00 dBm								
20.0		mm	~~~~	mar	~~~~~	~	-		Center Freq 848.300000 MHz
0.00 10.0 20.0	The second second						Mar mar		
40.0									
60.0 Center 848							Span	2.100 MHz	OF Otor
ResBW	22 kHz		#VB	W 68 kH	lz			ep 4.2 ms	CF Step 210.000 kH
Occup	ied Bandwidt 1.0	ո 08 <b>94 M</b> ⊦		Total P	ower	29	.4 dBm		Auto Mar Freq Offset
	it Freq Error Indwidth	-2.679 k 1.273 M		% of OE x dB	BW Powe		99.00 % 6.00 dB		он
sa						<b>K</b> STA1	rus		

#### Band5 1.4MHz 16QAM RB6 0 CH20407

Keysight Spec	trum Analyzer - Oco RF 50 Q				ENSE:INT		ALIGN AU			PM May 10, 2024		
	eq 824.700		Hz	Center	Freq: 824.700			10	Radio Std		Fr	equency
		,	WFGain:Low	#Atten:		AvgiHold	: 10/10		Radio De	vice: BTS		
0 dB/div	Ref Offset Ref 30.0											
.og 20.0												enter Fra
0.0	_		mm	m	m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		$\vdash$				700000 M
.00		A						X			-	
0.0		r –						-	1			
	show the								Ś	human		
0.0												
0.0	_		_									
0.0	-											
enter 824 Res BW	1.700 MHz 22 kHz			#V	'BW 68 kH	Iz				2.100 MHz p 4.2 ms		CF Ste 210.000 k
Occup	ied Band	width			Total P	ower	2	8.5	dBm		Auto	м
		1.0	902 M	Ηz							, I	Freq Offs
Transm	nit Freq Err	or	3.057	kHz	% of O	BW Powe	er	99	.00 %			0
x dB Ba	andwidth		1.278 M	1Hz	x dB		-	26.0	00 dB			

#### Band5_1.4MHz_16QAM_RB6_0_CH20525

0000 MHz MFG t 13.8 dB 00 dBm	ain:Low	Center Fr	NSE:INT req: 836.500 e Run 0 dB		ALIGN AUT		Radio Std: Radio Devi		Fre	equency
t 13.8 dB		#Atten: 3	e Run 0 dB	Avg Hold:	: 10/10		Radio Devi	ice: BTS		
in a bill										
										enter Fre
	m	-	mm			_				500000 MI
A						$\leftarrow$				
$\downarrow$						7	<u> </u>			
						-	man -			
						+		~~~~		
						+				
						+				
						$\neg$				
		#VB	3W 68 kH	łz						CF Ste 210.000 kł
dwidth			Total P	ower	2	8.8	dBm		Auto	Ma
	72 MH	z							F	req Offs
ror	3.741 kl	Hz	% of OE	3W Powe	ər	99.	.00 %			01
	1.263 MI	Hz	x dB		-2	26.0	0 dB			
	ror	1.0872 MH ror 3.741 k	#ve dwidth 1.0872 MHz	dwidth Total P 1.0872 MHz Tor 3.741 kHz % of QE	#VEW 68 kHz #VEW 68 kHz dwidth Total Power 1.0872 MHz Tor 3.741 kHz % of OEW Power	#VBW 68 kHz    dwidth  Total Power  2    1.0872 MHz  % of OBW Power	#VBW 68 kHz #VBW 68 kHz dwidth Total Power 28.8 1.0872 MHz Tor 3.741 kHz % of OBW Power 99.	#VBW 68 kHz  Span 2    #VBW 68 kHz  Span 2    Sweet  Sweet    dwidth  Total Power  28.8 dBm    1.0872 MHz  Tor  3.741 kHz  % of OBW Power  99.00 %	Span 2.100 MHz    #VBW 68 kHz  Span 2.100 MHz    Sweep 4.2 ms    dwidth  Total Power  28.8 dBm    1.0872 MHz    Tor  3.741 kHz  % of OBW Power  99.00 %	Span 2.100 MHz #VBW 68 kHz Sweep 4.2 ms dwidth Total Power 28.8 dBm 1.0872 MHz Tor 3.741 kHz % of OBW Power 99.00 %

## Band5_1.4MHz_16QAM_RB6_0_CH20643

enter Fre	RF 50 Ω DC q 848.300000 M		SENSE:INT r Freq: 848.300000 Free Run A		N AUTO	Radio Sto	MMay 10, 2024	Fre	quency
		/IFGain:Low #Atte	n: 30 dB			Radio De	vice: BTS		
0 dB/div	Ref Offset 13.8 dB Ref 30.00 dBm								
.og 20.0								с	enter Fre
10.0			m	~~~~~	~			848.3	300000 MI
0.00									
0.0	2 mar					<b>`</b> ~~			
0.0	and the second s					~~~~	home		
0.0									
0.0									
0.0			_						
enter 848. Res BW 2			VBW 68 kHz				2.100 MHz		CF Ste
RESEWZ	2 802	*				Swee	:p 4.2 ms	Auto	210.000 ki M
Occupi	ed Bandwidth		Total Pow	er	28.6	dBm			
	1.0	897 MHz						F	req Offs
Transmit	t Freq Error	2.665 kHz	% of OBW	Power	99	.00 %			0
x dB Bar	ndwidth	1.282 MHz	x dB		-26.0	00 dB			
					STATUS				

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#### Band5 3MHz QPSK RB15 0 CH20415

Keysight Spe	ectrum Analyzer - Occu RF 50 Ω	upied BW		1.44	INSE:INT			100.00.00.0	M May 10, 2024		
Center Fi	req 825.500		:	Center F	reg: 825.500		ALIGN AUTO	Radio Std		Fr	equency
		#IF	Gain:Low	#Atten:		Avg Hold	:>10/10	Radio Dev	rice: BTS		
10 dB/div	Ref Offset 1 Ref 30.00										
20.0										6	Center Fred
10.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			m		m	-			500000 MH
0.00	- /							$\setminus$			
-10.0								$\mathbf{i}$			
-30.0	and a second							~~~	m		
-40.0											
-50.0											
-60.0											
Center 82 Res BW	25.500 MHz 43 kHz			#V	BW 130 k	Hz			.500 MHz 2.333 ms		CF Step 450.000 kH
Occur	pied Band	width			Total P	ower	29.9	dBm		Auto	Mar
			52 M	Hz							Freq Offse
Transr	nit Freq Erro	or	-1.981	kHz	% of O	SW Pow	er 99	9.00 %			0 H:
x dB B	andwidth		2.933 N	/Hz	x dB		-26.	00 dB			
ASO DEM							STATU:				

R	um Analyzer - Occupied B RF 50 Ω DC cq 836.500000	MHz Cen	QPSK_RB sense:nt[ ter Freq: 836.500000 MHz : Free Run Avg H en: 30 dB	ALIGN AUTO (4 t Ra lold: 10/10	adio Device: BTS	Frequency
0 dB/div 99 0.0 0.0	Ref Offset 13.8 d Ref 30.00 dBr	n	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~		Center Fr 836.500000 M
					hanne	
enter 836 es BW 43	.500 MHz 3 kHz		#VBW 130 kHz Total Power		Span 4.500 MHz weep 2.333 ms Bm	CF St 450.000 k Auto M
Transmi		6837 MHz 1.313 kHz 2.940 MHz	% of OBW Pc x dB	ower 99.00 -26.00	- /•	Freq Offs 0

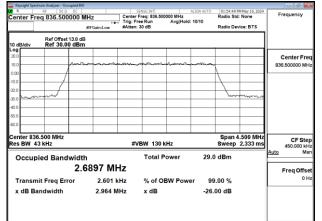
# Band5_3MHz_QPSK_RB15_0_CH20635

	rum Analyzer - Occupied BW					
Center Fre	RF 50 Ω DC eq 847.500000 Ν	···· T	SENSE:INT enter Freq: 847.500 rig: Free Run Atten: 30 dB	ALIGN AUTO 000 MHz Avg Hold:>10/10	01:56:04 PM May 10, 2024 Radio Std: None Radio Device: BTS	Frequency
10 dB/div	Ref Offset 13.8 dB Ref 30.00 dBm					
20.0 10.0			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Center Freq 847.500000 MHz
-10.0	~~~					
-30.0 -40.0 -50.0						
-60.0 Center 847 Res BW 43			#VBW 130 k		Span 4.500 MHz	CF Step
	ied Bandwidth	n 5843 MHz	Total P		Sweep 2.333 ms 3 dBm	450.000 kHz <u>Auto</u> Man
	it Freq Error ndwidth	-850 Hz 2.940 MHz	% of OE		9.00 % .00 dB	Freq Offset 0 Hz
мяа				Ko STATU	s	

#### Band5 3MHz 16QAM RB15 0 CH20415

Keysight Spec	ctrum Analyzer - Occupied B	w	1.0	and and			0.52.000			
Center Fr	RF 50 Q DC	MHz	Center F	ENSE:INT Freq: 825.500	000 MHz	ALIGN AUTO	Radio Std	MMay 10, 2024 : None	Fr	equency
		#IFGain:Low	#Atten:		Avg Hold:	: 10/10	Radio Dev	rice: BTS		
10 dB/div	Ref Offset 13.8 d Ref 30.00 dB									
_og 20.0										Center Fre
10.0	~	~~~~~~	mm		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					.500000 MH
0.00	A		-				Λ		<u> </u>	
10.0	1						<u> </u>			
20.0	mant						1	m		
30.0										
40.0										
60.0										
Center 82 Res BW 4	5.500 MHz 3 kHz		#V	BW 130 k	Hz			.500 MHz 2.333 ms		CF Step 450.000 kH
Occup	ied Bandwid	th		Total P	ower	29.1	dBm		Auto	Ma
	2	.6853 M	Hz							Freq Offse
Transm	nit Freq Error	-2.129	kHz	% of OE	W Powe	er 99	.00 %			0 H
x dB Ba	andwidth	2.957	MHz	x dB		-26.	00 dB			
									1	

#### Band5_3MHz_16QAM_RB15_0_CH20525



## Band5_3MHz_16QAM_RB15_0_CH20635

Keysight Spectrum Ana R RF Center Freq 84	50 Ω DC		Center F			10/10	01:56:19 P Radio Std Radio Dev		Freque	ency
10 dB/div Re	Offset 13.8 of f 30.00 dB									
20.0 10.0	~	n_^	<u>~~~~~~</u> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~				Cent 847.500	er Fre
20.0								0		
80.0 60.0 50.0								, and we are		
60.0										
Center 847.500 Res BW 43 kHz			#VE	3W 130 k	Hz			.500 MHz 2.333 ms	450	F Ste
Occupied I		th .6857 MI	-17	Total P	ower	29.2	dBm		Auto	Mi Offs
Transmit Fre		-2.215			BW Powe		.00 %			0
x dB Bandw	idth	2.956 N	IHz	x dB		-26.	00 dB			
19						STATUS				

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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#### Band5 5MHz QPSK RB25 0 CH20425

Keysight Spec	ctrum Analyzer - Occ RF 50 Q				NSE:INT		ALIGN AUTO	1		
Center Fr	eq 826.500			Center F	reg: 826.500	000 MHz		Radio Std	M May 10, 2024 : None	Frequency
		#IF	Gain:Low	#Atten: 3		Avg Hold	: 10/10	Radio Dev	rice: BTS	
10 dB/div	Ref Offset Ref 30.00									
20.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and the state	mar		·~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				Center Fre
0.00	/							1		826.500000 MF
20.0	. Not							4		
30.0									www.www.www	
40.0										
60.0										
Center 826 Res BW	6.500 MHz 75 kHz			#VE	3W 240 k	Hz			.500 MHz 1.333 ms	CF Ste 750.000 ki
Occup	ied Band	width			Total P	ower	30.2	dBm		Auto Ma
		4.48	29 MI	Ηz						Freq Offs
Transm	nit Freq Err	or	-911	Hz	% of O	BW Powe	ər 99	.00 %		01
x dB Ba	andwidth		4.997 N	1Hz	x dB		-26.	00 dB		
							-			
5G							🚺 STATUS	1		

Frequency		01:50:12 P Radio Std Radio Dev	10/10			Center F	Z Gain:Low	0000 MH		eysight Spec
									Ref Offsel Ref 30.0	B/div
Center Fr 836.500000 M				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~			horner		
									1	
	***************************************	har							-	~~~~
									_	
CF St	.500 MHz 1.333 ms			·U7	3W 240 H	#1			6.500 MHz 75 kHz	
750.000 k <u>Auto</u> M	1.555 1115	dBm	30.3		Total P	#1		dwidth	ied Band	
Freq Offs 0							'69 MI			
		.00 % 00 dB		BW Powe	% of Ol x dB		5.767 I 4.990 N	ror	nit Freq Er andwidth	

# Band5_5MHz_QPSK_RB25_0_CH20625

Keysight St	pectrum Analyzer - Occu	ipied BW							0 0 0
Center F	RF 50 Ω Freq 846.5000	DC MHz	Center Fr	(SE:INT) eq: 846.50000		ALIGN AUTO	Radio Std	M May 10, 2024 : None	Frequency
	]	#IFGain:Lov		0 dB	Avginoid:	1010	Radio De	vice: BTS	
10 dB/div	Ref Offset 1 Ref 30.00								
20.0									Center Freq
10.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~	ning	\		846.500000 MHz
-10.0							1		
-20.0	man						No.		
-40.0									
-50.0	-								
-60.0									
Center 8 #Res BW	46.500 MHz / 75 kHz		#VE	SW 240 kH	z			1.333 ms	CF Step 750.000 kHz
Occu	pied Bandy	vidth		Total Po	wer	30.1	dBm		Auto Man
		4.4755	MHz						Freq Offset
Trans	mit Freq Erro	or -	649 Hz	% of OBV	V Powe	r 99	.00 %		0 Hz
x dB E	Bandwidth	4.93	9 MHz	x dB		-26.	00 dB		
MSG						<b>K</b> STATUS			

#### Band5 5MHz 16QAM RB25 0 CH20425

Keysight Spectru	m Analyzer - Occupied	BW		NSE:INT		ALIGN AUTO	01-49-26 P	M May 10, 2024		
enter Free	q 826.50000	MHz	Center F	reg: 826.500	000 MHz		Radio Std		Fr	equency
		#IFGain:Low	#Atten: 3		Avg Hold:	10/10	Radio Dev	rice: BTS		
10 dB/div	Ref Offset 13.8 Ref 30.00 dE									
.og 20.0										Center Fre
0.0	pro	~	m			ma-m-				.500000 M
.00							Λ		-	
0.0							1			
0.0	hand						1 m			
0.0										
0.0										
0.0										
enter 826.	500 MHz						Enan 7	.500 MHz	<u> </u>	
Res BW 7			#VI	BW 240 k	Hz			1.333 ms		CF Ste 750.000 ki
Occupie	ed Bandwid	ith		Total P	ower	29.1	dBm		Auto	M
	4	.4783 MI	lz							Freq Offs
Transmit	t Freq Error	88	Hz	% of OE	BW Powe	er 99	.00 %			01
x dB Ban	ndwidth	4.955 N	IHz	x dB		-26.	00 dB			

#### Band5_5MHz_16QAM_RB25_0_CH20525 01:50:27 PM May 10 Radio Std: None ter Freq 836.500000 MHz Center Freq: 836.500000 MHz Radio Device: BTS Ref Offset 13.8 dE Ref 30.00 dBm Center Fre 836.500000 M 836 500 MH in 7.500 MH ep 1.333 m CF Ste 750.000 kH Sweep es BW 75 kHz #VBW 240 kHz Total Power 29.0 dBm Occupied Bandwidth 4.4846 MHz Freq Offs Transmit Freg Error 5.049 kHz % of OBW Power 99.00 % 4.954 MHz -26.00 dB x dB Bandwidth x dB

# Band5_5MHz_16QAM_RB25_0_CH20625

R Center Fre	RF 50 Q DC		SENSE:INT Inter Freq: 846.500 Ig: Free Run		IGN AUTO	01:51:58 P Radio Std	MMay 10, 2024 : None	Frequency
			tten: 30 dB			Radio Dev	rice: BTS	
0 dB/div	Ref Offset 13.8 di Ref 30.00 dBm							
.og 20.0								Center Fre
10.0		mmmm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m	-			846.500000 M
.00	- 1					Α		
0.0						1		
0.0	f l					<u> </u>		
0.0	munin -	_				~~~~	man	
0.0								
0.0								
80.0								
enter 846 Res BW			#VBW 240 k	Hz			.500 MHz 1.333 ms	CF St 750.000 k
Occup	ied Bandwidt	h	Total P	ower	29.2	dBm		Auto M
	4.	4804 MHz						Freq Offs
Transm	it Freq Error	-2.240 kHz	% of O	BW Power	r 99	.00 %		0
x dB Ba	ndwidth	4.936 MHz	x dB		-26.	00 dB		

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#### Band5 10MHz QPSK RB50 0 CH20450

Keysight Spec	trum Analyzer - Occupi RF 50 Q 1	ied BW DC		SE	NSE:INT		N.IG	N AUTO	11:40:21	AM May 10, 2024	
Center Fr	eq 829.0000	00 MH	z		req: 829.000 e Run	000 MHz AvalHold:	10	10	Radio Sto	i: None	Frequency
		61	FGain:Low	#Atten: 3	0 dB				Radio De	vice: BTS	
10 dB/div	Ref Offset 13 Ref 30.00 (										
20.0											Center Fre
10.0		h	m	moun	mm	~~~~~	m				829.000000 MH
0.00		-					-	1			
10.0		-+					+	$\mathbf{h}$			
20.0	m m m m m m m m m m m m m m m m m m m	~					1	June 1	ma	nem	
30.0 °											
50.0											
60.0							+				
Center 829 #Res BW				#VE	3W 510 k	:Hz				20.00 MHz eep 1 ms	CF Ste
	ied Bandw	ridth			Total P		_	30.2	dBm	cep ma	2.000000 MH Auto Ma
			777 MI	Ηz							FreqOffse
Transm	nit Freq Erro	r	3.839 I	kHz	% of O	3W Powe	r	99	.00 %		0 H
x dB Ba	andwidth		9.832 N	1Hz	x dB			-26.	00 dB		
ISG							-	STATUS			
5.3											
	В	and	5_10N	/Hz(	QPSK	RB5	0	0 (	CH20	525	

Center Freq 836.500000 MHz  Center Freq 836.500000 MHz  Radio Stat. None  Frequency    arrGent.cow  Trefere.las 36.500000 MHz  Radio Stat. None  Radio Stat. None  Radio Stat. None    arrGent.cow  arrGent.cow  Arrgetext.  Arrgetext.  Radio Stat. None  Radio Stat. None    arrGent.cow  arrGent.cow  Arrgetext.  Arrgetext.  Radio Stat. None  Radio Stat. None    arrGent.cow  arrGent.cow  Arrgetext.  Arrgetext.  Radio Stat. None  Radio Stat. None    arrGent.cow  arrGent.cow  Arrgetext.  Arrgetext.  Radio Stat. None  Radio Stat. None    arrGent.cow  arrGent.cow  Arrgetext.  Arrgetext.  Radio Stat. None  Radio Stat. None	Keysight Spectrum Analyzer - Occupie					
Berl Offset 13.8 dB  Center Fr    0 dBddw  Ref 30.00 dBm  Ref 30.00 dBm    0 dBddw  Ref 80W 150 kHz  Span 20.00 MHz    Cccupied Bandwidth  Total Power  30.2 dBm    8.95339 MHz  Transmit Freq Error  14.482 kHz  % of OBW Power  99.00 %		0 MHz	Trig: Free Run			Frequency
000  Center F,    000  Center F,    000  State    000  State <t< th=""><th>0 dB/div Ref 30.00 d</th><th>dB</th><th></th><th></th><th></th><th></th></t<>	0 dB/div Ref 30.00 d	dB				
Res BW  150 kHz  EV BW  510 kHz  Sweep 1 ms  L + St 2000000    Occupied Bandwidth  Total Power  30.2 dBm  Auto  N    8.9539  MHz  Freq Off  Freq Off  0    Transmit Freq Error  14.482 kHz  % of OBW Power  99.00 %  0						Center Fre 836.500000 MH
Occupied Bandwidth  Total Power  30.2 dBm    8.9539 MHz  Freq Off    Transmit Freq Error  14.482 kHz  % of OBW Power  99.00 %			#VBW 510 kH	z		CF Ste 2.000000 MH
Transmit Fred Error 14.462 kHz % of OBW Power 99.00 %				wer 30.2	2 dBm	Auto Ma
						0+

# Band5_10MHz_QPSK_RB50_0_CH20600

	um Analyzer - Occupied BW				_				
Center Free	RF 50 Ω DC q 844.000000 M	#FGain:Low	Center Fr			10/10	Radio Der		Frequency
10 dB/div	Ref Offset 13.8 dB Ref 30.00 dBm								
20.0 10.0 0.00		pannan	an shi	Maran Marana Marana Marana Marana M	mara and a state of the state o	7			Center Freq 844.000000 MHz
-10.0 -20.0 -30.0						1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
-40.0 -50.0 -60.0								- more	
Center 844. #Res BW 1			#VE	3W 510 k	Hz			20.00 MHz eep 1 ms	CF Step 2.000000 MHz
Occupi	ed Bandwidt 8.9	h 9604 MH	Ηz	Total P	ower	30.1	l dBm		Auto Man Freq Offset
Transmi x dB Bar	t Freq Error	1.180 k 9.760 M	Hz	% of OE x dB	BW Powe		9.00 % 00 dB		0 Hz
MSG						<b>K</b> STATU:	6		

#### Band5 10MHz 16QAM RB50 0 CH20450

Keysight Spect	rum Analyzer - Occupied B RF 50 Q DC	W		ENSE:INT		ALIGN AUTO	11:40:36	AM May 10, 2024	
Center Fre	eq 829.00000	MHz		req: 829.000	000 MHz Avg Hold:	10/10	Radio St	d: None	Frequency
		#IFGain:Low	#Atten:		Avginoid.	10/10	Radio De	vice: BTS	
0 dB/div	Ref Offset 13.8 c Ref 30.00 dB								
og 10.0									Center Fre
0.0		porman		mannah	- have	m			829.000000 MH
.00						t	+		
0.0		1					+		
	www.m					5	hanne	montan	
0.0									
0.0									
0.0									
enter 829 Res BW			±1	BW 510 k	H7			20.00 MHz eep 1 ms	CF Ste
	ied Bandwid	th		Total P		29.	4 dBm	cep 1110	2.000000 Mi Auto Ma
		.9492 M	Hz			Freq Offs			
Transm	ransmit Freq Error 14.968 I		kHz	Hz % of OBW Power			9.00 %		01
x dB Ba	Bandwidth 9.738 M		٨Hz	z xdB		-26	-26.00 dB		

#### Band5_10MHz_16QAM_RB50_0_CH20525

	trum Analyzer - Occupied BV	V							
R	RF 50 Ω DC			ENSE:INT Freg: 836.50		ILIGN AU	TO 11:41:38 / Radio Std	M May 10, 2024	Frequency
enter Fre	eq 836.500000 I	MHZ			Avg Hold:	10/10	Radio Sto	: None	,
		#IFGain:Low	#Atten:				Radio Der	vice: BTS	
10 dB/div	Ref Offset 13.8 di Ref 30.00 dBn								
og	Ker 50.00 dBh					1			
20.0				-	-	-			Center Fre
10.0		man	mon	mm	man	~	_		836.500000 MH
100		A							
0.0		/				1		I I	
	1					T.			
20.0					-	1			
- <del>ميديمين 0.0</del>	-					-		the state of the s	
0.0						-			
0.0									
0.0									
enter 836	3.50 MHz					-	Span 2	20.00 MHz	CF Ste
Res BW	150 kHz		#V	BW 510	kHz		Sw	eep 1 ms	2.000000 M
									Auto Ma
Occup	ied Bandwidt	h		Total F	ower	2	9.5 dBm		
	8	9158 M	Hz						5 Off-
	0.	0100 111	12						Freq Offs
Transm	nit Freq Error	19.696	kHz	% of O	BW Powe	r	99.00 %		01
v dB Ba			.667 MHz x dB			-26.00 dB			
	nawiati	9.007 1		X UD			20.00 UB		

## Band5_10MHz_16QAM_RB50_0_CH20600

R Center Fr	RF 50 Q DC eq 844.000000	Trig:	SENSE:INT er Freq: 844.000000 MHz Free Run Avg Hold: n: 30 dB	>10/10	11:43:10 AM May 10, 2 Radio Std: None Radio Device: BTS	Frequency
0 dB/div	Ref Offset 13.8 d Ref 20.00 dB	B	n: 30 dB	,	Radio Device: B I S	
.og 10.0 0.00						Center Fre 844.000000 Mi
10.0 10.0 10.0	man and the second			hm	-Vincen La	
0.0 0.0 0.0						~~
enter 844					Span 20.00 Mi	
Res BW	ied Bandwid		FVBW 510 kHz	29.4 (	Sweep 1 n	2.000000 M Auto M
Occup		.9293 MHz	Total Power	23.40	Bill	Freq Offs
Transm	nit Freq Error	4.202 kHz	% of OBW Powe	er 99.0	00 %	01
x dB Ba	andwidth	9.674 MHz	x dB	-26.00	) dB	
a				<b>STATUS</b>		

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#### Band7 5MHz QPSK RB25 0 CH20775

Keysight Spect	trum Analyzer - Occu									
	RF 50 Ω Eq 2.502500	000 GH	Iz	Center F	NSE:INT req: 2.50250			Radio Std	MAug 15, 2024 : None	Frequency
			Gain:Low	#Atten: 3		Avg Hold:	10/10	Radio Dev	rice: BTS	
10 dB/div	Ref Offset 1 Ref 30.00									
20.0										Center Free
10.0	r	~~~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ro-n	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m			2.502500000 GH
0.00								h		
-10.0	1							$\mathbf{X}$		
-30.0	m								~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
-40.0										
-50.0										
-60.0										
Center 2.5 #Res BW				#VE	3W 240 k	Hz			n 7.5 MHz 1.333 ms	CF Ster 750.000 kH
Occup	ied Bandv	vidth			Total P	ower	30.3	dBm		Auto Mar
	4.4812 MHz									
Transm	it Freq Erro	r	11.497 k	Hz	% of O	BW Powe	er 99	.00 %		0 H:
x dB Ba	ndwidth		4.952 M	Hz	x dB		-26.	00 dB		
MSG										

Frequency		Radio Dev	10/10	00000 GHz Avg Hold:	ENSE:INT Freq: 2.5350 ee Run 30 dB		0 GHz #IFGain:Low	q 2.535000000	nter Fre				
								Ref Offset 14.2 d Ref 30.00 dBn	dB/div				
Center F 2.535000000 0				~~~	n.m.		uner man	~~~~~	9 .0				
		<u>N</u>											
	morrin	~~~~											
									0				
750.000	n 7.5 MHz 1.333 ms			KHz	BW 240	#\			enter 2.5 les BW				
Auto N		6 dBm	Total Power 30.6 dBm				Occupied Bandwidth						
Freq Off		9.00 %	r 00	% of OBW Power 9			4.4843 MHz Transmit Freg Error 6.627 kHz						
		-26.00 dB		x dB		4.990 MHz		dB Bandwidth					

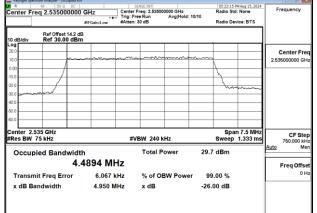
# Band7_5MHz_QPSK_RB25_0_CH21425

Keysight Spectr	rum Analyzer - Occupied BW RF 50 Ω DC		SENSE:INT				PM Aug 15, 2024	
Center Fre	eq 2.567500000		enter Freq: 2.56750 rig: Free Run Atten: 30 dB	Avg Hold:	10/10	Radio Std: None Radio Device: BTS		Frequency
10 dB/div	Ref Offset 14.2 de Ref 30.00 dBm							
20.0	por			m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Center Freq 2.567500000 GHz
-10.0								
-30.0 -40.0	umo -					~~		
-60.0								
Center 2.5 #Res BW 7			#VBW 240 k	KHz			in 7.5 MHz 1.333 ms	CF Step 750.000 kHz
Occupi	ied Bandwidt 4.4	հ 4783 MHz	Total P	ower	30.4	dBm		Auto Man Freq Offset
	it Freq Error ndwidth	1.146 kHz 4.947 MHz		BW Powe		.00 % 00 dB		0 Hz
MSG					<b>K</b> STATUS	4		

#### Band7 5MHz 16QAM RB25 0 CH20775

K  W  SUB_OC_  L  SUBJECT  Control Freq 2, 25020000 GHz  Readily State
Ref Offset 12 dB  Trig: Free Run  AugiNed: 1010  Radio Device BTS    10 dBldiv  Ref 0.00 dBm  Center Freq  2.50250000 GHz    200
10 dBJd/v 20 dB/m 20 dB/m 2
200  Center Freq  25000000 GHz    200  25000000 GHz  25000000 GHz    200  2500000 GHz  2500000 GHz    201  250000 GHz  2500000 GHz    201  2500000 GHz  250000 GHz    201  250000 GHz  250000 GHz
000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000  000
100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100  100
200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200  200
300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300  300
400
400 Center 2.503 GHz #Res BW 75 kHz #VBW 240 kHz Sweep 1.333 ms Auto Man
Center 2.503 GHz Span 7.5 MHz #Res BW 75 kHz #VBW 240 kHz Sweep 1.333 ms Auto Man
#Res BW 75 kHz #VBW 240 kHz Sweep 1.333 ms 760.000 kHz Man
Occupied Bandwidth Total Power 29.5 dBm
4.4854 MHz Freq Offset
Transmit Freq Error 7.146 kHz % of OBW Power 99.00 %
x dB Bandwidth 4.957 MHz x dB -26.00 dB

# Band7_5MHz_16QAM_RB25_0_CH21100



## Band7_5MHz_16QAM_RB25_0_CH21425

Keysight Spectr	rum Analyzer - Occi										] @
enter Fre	RF 50 Q	DC   0000 G	Hz	Center F	nse:INT reg: 2.56750			Radio Std	MAug 15, 2024 : None	Frequ	ency
		<b>#1</b>	FGain:Low	#Atten: 3		Avg Hold	: 10/10	Radio Dev	rice: BTS		
	Ref Offset										
0 dB/div	Ref 30.00	dBm						1			
20.0										Cen	ter Fr
0.0			m	-	ma	mann	m	1		2.567500	0000 G
.00	- /		-					R.			
0.0	1							1			
0.0								1 hrs			
0.0 WWW	W W W W W W W				-						
0.0											
0.0											
0.0											
enter 2.50 Res BW 7				#\/	BW 240 k	u-,			n 7.5 MHz 1.333 ms		CF St
Kes DW 7	J KI IZ			#*	500 Z40 K	112		aweep	1.555 1115	750 Auto	0.000 k N
Occupi	ed Band	width			Total P	ower	29.4	4 dBm			
		4.48	372 MI	Ηz						Fre	q Offs
Transmit Freq Error		1.888	KHz	% of OE	SW Powe	er 99	9.00 %			0	
x dB Bar	x dB Bandwidth		4.967 MHz		x dB		-26	-26.00 dB			
٥							<b>K</b> STATU	s			

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#### Band7_10MHz_QPSK_RB50_0_CH20800

Keysight Spect	trum Analyzer - Occupi								
Center Fre	eq 2.505000	2000 GHz	Center F	NSE:INT req: 2.50500	0000 GHz		Radio Std	MAug 15, 2024 : None	Frequency
			#Atten: 3		Avg Hold:	>10/10	Radio Dev	rice: BTS	
10 dB/div	Ref Offset 14 Ref 30.00 d								
20.0			_						Center Free
10.0		however	~martime~	al a sea	~~~~	m	-		2.505000000 GH
0.00						1			
-10.0						1			
-20.0	m					- h	m	mann	
40.0									
50.0									
60.0			_						
Center 2.5 #Res BW			#)/[	3W 510 k				n 20 MHz ep 1 ms	CF Ste
Res DW	130 KH2		#V0	SVY JIUK	Π <u>2</u>		owe	seh Luis	2.000000 MH Auto Ma
Occup	ied Bandw	idth		Total P	ower	30.	8 dBm		
		8.9482 N	1Hz						Freq Offse
Transm	it Freq Error	r 17.879	kHz	% of OE	W Powe	r 9	9.00 %		0 F
x dB Ba	andwidth	9.731	MHz	x dB		-26	.00 dB		
ASG						<b>K</b> STATU	is		

Marciala Para	Ban rum Analyzer - Occupied BW	d7_10MHz	_QPSK_RB50	_0_CH21100	0 2 🛛
R	RF 50 Ω DC eq 2.535000000 (	Trig	SENSE:INT ter Freq: 2,535000000 GHz : Free Run Avg Hold: 1 en: 30 dB	03:33:39 PM Aug 15, 202 Radio Std: None 0/10 Radio Device: BTS	
10 dB/div -09 20.0 10.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20	Ref 30.00 dBm				Center Free 2.535000000 GH
Center 2.5 #Res BW			#VBW 510 kHz	Span 20 MH Sweep 1 m	
Occup	ied Bandwidth 8.9	713 MHz	Total Power	31.0 dBm	Auto Mar Freq Offse
	it Freq Error ndwidth	26.397 kHz 9.740 MHz	% of OBW Power x dB	99.00 % -26.00 dB	он

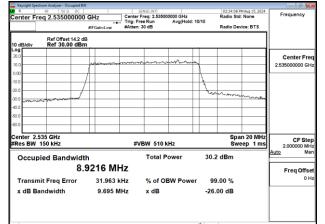
# Band7_10MHz_QPSK_RB50_0_CH21400

	rum Analyzer - Occupied BV	v						] @ 🔂
Center Fre	RF 50 Ω DC eq 2.565000000	#IFGain:Low	Center Freq: 2.566 Trig: Free Run #Atten: 30 dB	0000000 GHz Avg Hold: 1	F 10/10	83:57:32 PM Aug 15 Radio Std: None Radio Device: B1	Frequ	ency
10 dB/div	Ref Offset 14.2 d Ref 30.00 dBr							
20.0 10.0			and a special second second					<b>ter Freq</b> 0000 GHz
-10.0 -20.0 -30.0 -40.0	annormal				la l		"Viran	
-50.0 -60.0								
#Res BW 1			#VBW 510	) kHz		Span 20 Sweep 1	1	CF Step
Occupi	ied Bandwidt 8.	th 9397 MI		Power	30.8 c	18m	Auto	Man q Offset
	it Freq Error ndwidth	36.444 H 9.789 M		OBW Power	99.0 -26.00			0 Hz
MSG					<b>K</b> STATUS			

#### Band7 10MHz 16QAM RB50 0 CH20800

Keysight Spect	rum Analyzer - Occupie								
Center Fre	RF 50 Q D		Center	ENSE:INT Freq: 2.50500	00000 GHz Avg Hold:>		Radio Std	MAug 15, 2024 : None	Frequency
		#IFGain:Lo	ow #Atten:	rice: BTS					
10 dB/div	Ref Offset 14. Ref 30.00 d								
20.0									Center Free
10.0		from			man		-		2.505000000 GH
0.00						1			
20.0						À			
مىرىيى 30.0	man and a second	~				~~~	mon	m	
40.0							-		
60.0									
Center 2.5	OF CH-							n 20 MHz	
Res BW			#V	BW 510 k	Hz			ep 1 ms	CF Ste 2.000000 MH
Occup	ied Bandwi	idth		Total P	ower	30.	2 dBm		<u>Auto</u> Ma
	:	8.9049	MHz						Freq Offse
Transm	it Freq Error	31.8	360 kHz	% of O	BW Powe	r 91	9.00 %		он
	ndwidth		52 MHz	x dB		-26	.00 dB		

#### Band7_10MHz_16QAM_RB50_0_CH21100



## Band7_10MHz_16QAM_RB50_0_CH21400

R		DC			NSE:INT					MAug 15, 2024	Frequency
enter Fre	q 2.565000	0000 G	Hz	Trig: Fre		0000 GHz Avg Hold:	10/1	10	Radio Std		linequency
			IFGain:Low	#Atten: 3	10 dB				Radio Dev	ice: BTS	
0 dB/div	Ref Offset 1 Ref 30.00										
0g 10.0							_				Center Fr
0.0				manan	mmla	Advon	4				2.565000000 G
.00		— A					+	<u> </u>			
0.0		- /	-				+	1			
0.0		/					+	5			
0.0		~~	-				+	-	mana		
0.0							+				
0.0											
enter 2.5 Res BW 1				#VE	3W 510 k	Hz				n 20 MHz ep 1 ms	CF St 2.000000 M
Occupi	ed Bandv	vidth			Total P	ower		30.0	dBm		Auto N
		8.9	255 MI	Ηz							Freq Offs
Transmi	it Freq Erro	or	31.372	kHz	% of OE	<b>SW Powe</b>	r	99	.00 %		0
x dB Ba	ndwidth		9.681 N	١Hz	x dB			-26.0	00 dB		
3							- ų	STATUS			

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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#### Band7_15MHz_QPSK_RB75_0_CH20825

	m Analyzer - Occu						_				- 2 -
Center Fred		DC 0000	GHz	Center F	NSE:INT req: 2.50750	0000 GHz			Radio Std	MAug 15, 2024 : None	Frequency
			#IFGain:Low	#Atten: 3	e Run 80 dB	Avg Hold:	10/10		Radio Dev	rice: BTS	
10 dB/div	Ref Offset 1 Ref 30.00										
20.0											Center Free
10.0		-	man	Margare Mara	************	womp	~	_			2.507500000 GH
0.00		- 1					N				
-10.0		1					1				
-30.0	m	~~					_	had	~~~~~	-	
-40.0							+				
-50.0							+				
-60.0											
Center 2.50 #Res BW 22				#VI	BW 750 k	Hz				n 30 MHz ep 1 ms	CF Step 3.000000 MH
Occupie	d Bandy	vidth			Total P	ower		30.7	dBm		Auto Mar
-		13.	381 M	Hz							Freq Offse
Transmit	Freq Erro	or	25.310	kHz	% of OE	BW Powe	r	99	.00 %		0 H
x dB Ban	dwidth		14.49	MHz	x dB			-26.0	00 dB		
ASG							ų,	STATUS			L

		QPSK_RB75_0	)_CH21100	
Keysight Spectrum Analyzer - Occupied I R R RF 50 0 DC Center Freq 2.53500000	D GHz #IFGain:Low		03:23:15 PM Aug 15, 2024 Radio Std: None Radio Device: BTS	Frequency
Ref Offset 14.2 : 0 dBladiv Ref 30.0 dB 100 100 100 100 100 100 100 10	m		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Center Freq 2.535000000 GHz
Center 2.535 GHz #Res BW 220 kHz	#V	BW 750 kHz	Span 30 MHz Sweep 1 ms	CF Step 3.000000 MHz
Transmit Freq Error	3.392 MHz 70.390 kHz	% of OBW Power	30.8 dBm 99.00 %	Auto Man Freq Offset 0 Hz
x dB Bandwidth	14.41 MHz	xdB -	26.00 dB	

# Band7_15MHz_QPSK_RB75_0_CH21375

Keysight Spect	rum Analyzer - Occupied B	w							
Center Fre	RF 50 Ω DC eq 2.56250000	0 GHz #IFGain:Low		2.562500000 Avg	3Hz j Hold: 10	/10	Radio Devi		Frequency
10 dB/div	Ref Offset 14.2 o Ref 30.00 dB								
20.0 10.0 0.00 -10.0			in see an		****				Center Freq 2.562500000 GHz
-30.0 -40.0 -50.0 -60.0						5-180/	~~~~		
Center 2.5 #Res BW 2			#VBW	750 kHz				n 30 MHz ep 1 ms	CF Step 3.000000 MHz
Occup	ied Bandwid 1	th 3.422 M		otal Powe	r	30.6	dBm		Auto Man Freq Offset
	it Freq Error ndwidth	49.138 14.59 I		of OBW I dB	Power		.00 % )0 dB		0 Hz
MSG					1	STATUS			[]

#### Band7 15MHz 16QAM RB75 0 CH20825

Center Fre	RF 50 Ω eq 2.507500		Hz FGain:Low	Center F		0000 GHz Avg Hold:	10/10	03:20:48 F Radio Std Radio Dev		Frequency
10 dB/div	Ref Offset 14 Ref 30.00									
20.0 10.0		-	moutorm	an a	1. Theorem Channession	••••••••••••••••••••••••••••••••••••••	-			Center Fre 2.507500000 GH
20.0		1					X			
40.0	was for a start of the start of	- And					~	mand and a second	and the second	
50.0										
Center 2.5 Res BW 2				#V	BW 750 k	Hz			n 30 MHz ep 1 ms	CF Ste 3.000000 MH
Occupi	ied Bandw		364 MI	Hz	Total P	ower	29	.9 dBm		Auto Ma
Transm	it Freq Erro	r	5.789	kHz	% of O	BW Powe	r g	99.00 %		01
x dB Ba	ndwidth		14.49 N	lHz	x dB		-20	6.00 dB		

#### Band7_15MHz_16QAM_RB75_0_CH21100

Keysight Species	trum Analyzer - Occupied Bi	N								
R	RF 50 Ω DC			SENSE:INT				03:23:46 P Radio Std	MAug 15, 2024	Frequency
enter Fr	eq 2.53500000	) GHz	Tria: F	Freq: 2.5350 ree Run	AvalHold:	>10/1		Radio Std	None	,
		#IFGain:Low	#Atten					Radio Dev	ice: BTS	
	Ref Offset 14.2 d	P								
0 dB/div	Ref 30.00 dBr									
og										
0.0							-			Center Fre
0.0		hannan	a second and	- alter and a second		7	-			2.535000000 GH
.00		1		-		Ht				
0.0		/				H	-			
0.0		r		_			<u>\</u>			
	mound			_			- Cerver	and	and and and	
no manufacture	and the second second									
0.0										
0.0										
enter 2.5	35 GHz			_				Spa	n 30 MHz	05.01
Res BW	220 kHz		#\	/BW 7501	kHz				ep 1 ms	CF Ste 3.000000 M
-										Auto Ma
Occup	ied Bandwidt			Total F	ower		30.0	dBm		
	13	3.389 MI	Ηz							Freq Offs
-		07 707 1		~ ~ ~			~~	00 M		01
Transm	it Freq Error	37.737	KHZ	% of 0	BW Powe	er	99.	00 %		
x dB Ba	andwidth	14.55 N	۱Hz	x dB			-26.0	0 dB		
										1

# Band7_15MHz_16QAM_RB75_0_CH21375

TATUS

Keysight Spectrum Analyzer - Occupie		SENSE:INT	03:26:41 PM Aug 15,2					
Center Freq 2.5625000	00 GHz Cent	er Freg: 2.562500000 GHz	Radio Std: None	Frequency				
Ref Offset 14: 10 dB/div Ref 30.00 d								
20.0				Center Fre				
10.0	mananana	and the second		2.562500000 GH				
0.00	1							
20.0	/		1					
30.0 manana			man manufacture	~~~				
40.0 50.0								
60.0				_				
Center 2.563 GHz Res BW 220 kHz		#VBW 750 kHz	Span 30 M Sweep 1					
Occupied Bandwi	dth	Total Power	29.6 dBm	Auto Ma				
	13.429 MHz			FreqOffs				
Transmit Freq Error	27.456 kHz	% of OBW Power	99.00 %	0 H				
x dB Bandwidth	14.67 MHz	x dB	-26.00 dB					
sa			<b>K</b> STATUS					

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#### Band7 20MHz QPSK RB100 0 CH20850

	m Analyzer - Occup										
Center Fred		000 G	Hz	Center Fr	NSE:INT req: 2.51000			F	03:09:13 P Radio Std	MAug 15, 2024 None	Frequency
			FGain:Low	#Atten: 3		Avg Hold:	10/10	F	adio Dev	ice: BTS	
10 dB/div	Ref Offset 1 Ref 30.00										
20.0											Center Fre
10.0		-	mannow	****	- marine	manan	~	-			2.51000000 GH
0.00		-/						+			
10.0		1					1	+			
30.0		1					1		-		
40.0							-	_			
60.0							+	+			
60.0		-					+	+			
Center 2.51 #Res BW 30				#VE	SW 1 MH	z				n 40 MHz ep 1 ms	CF Ste 4.000000 MH
Occupie	ed Bandv	vidth			Total P	ower	3	0.6 c	lBm		Auto Ma
			751 MH	Ηz							Freq Offs
Transmit	Freq Erro	r	-6.288	kHz	% of O	3W Powe	r	99.0	0 %		01
x dB Ban	dwidth		19.10 N	1Hz	x dB		-2	26.00	) dB		
sa							<b>К</b> о sт	ATUS			I

R	um Analyzer - Occupied BW RF   50 Ω DC   <b>q 2.535000000</b>		SENSE:INT Center Freq: 2.535000000 GHz		03:12:23 P Radio Std	MAug 15, 2024 : None	Frequency
			Trig:Free Run Avg Ho #Atten:30 dB	old: 10/10	Radio Dev	rice: BTS	
0 dB/div	Ref Offset 14.2 dE Ref 30.00 dBm						
og 20.0							Center Fre
0.0		and a second start	an server and a server		-		2.535000000 GH
0.0		1					
0.0				- lan	And and the second		
0.0	wannand					No. Concerner	
0.0							
0.0							
enter 2.53 Res BW 3			#VBW 1 MHz			n 40 MHz ep 1 ms	CF Ste 4.000000 MI
Occupi	ed Bandwidtl	1	Total Power	30.	6 dBm		Auto M
	17	.798 MH	z				Freq Offs
Transmi	t Freq Error	65.614 kH	z % of OBW Por	wer 9	9.00 %		01
x dB Bar	ndwidth	19.13 MH	z xdB	-26	.00 dB		

Band7 20MHz QPSK RB100 0 CH21100

# Band7_20MHz_QPSK_RB100_0_CH21350

	um Analyzer - Occupied BV	v		NSE:INT				PM Aug 15, 2024	
Center Fre	Ref Offset 14.2 d	#IFGain:Low	Center Fr	Frequency					
10 dB/div	Ref 30.00 dBr								
20.0		manna	/a*,##8#64	e	~~~~~~~~~~				Center Free 2.56000000 GHz
-10.0	for the second s	/				ha	harm		
40.0								- myc	
Center 2.56 Res BW 3			#VE	SW 1 MH	z			an 40 MHz eep 1 ms	CF Step 4.000000 MH
Occupi	ed Bandwidt 17	հ 7.908 MI	۰z	Total P	ower	30.	5 dBm		Auto Mar Freq Offse
Transmi x dB Bar	it Freq Error ndwidth	40.323 k 19.18 M		% of OE x dB	3W Powe		9.00 % .00 dB		он
ISG						<b>K</b> STATU	s		

#### Band7_20MHz_16QAM_RB100_0_CH20850

R	trum Analyzer - Occupied RF 50 Ω DC Eq 2.51000000			NSE:INT reg: 2.51000	0000 GHz		03:09:42 P	MAug 15, 2024	Frequency
Jenter Pre	sq 2.5100000	MFGain:Low		e Run	Avg Hold:	10/10	Radio Dev		
10 dB/div	Ref Offset 14.2 Ref 30.00 dE								
20.0 10.0			,	- min and and a	man	~			Center Fre 2.510000000 GH
-10.0						han			
40.0	a mart a hard a morth							ana huangangangang	
60.0 Center 2.5	1 GHz						Spa	n 40 MHz	CF Ste
Res BW	300 kHz		#VI	BW 1 MH	z		Swe	eep 1 ms	4.000000 MH
Occup	ied Bandwid	dth		Total P	ower	29.8	dBm		<u>Auto</u> Ma
	1	7.814 MI	Ηz						Freq Offse
Transm	it Freq Error	-13.634	kHz	% of OE	<b>SW Powe</b>	r 99	.00 %		он
x dB Ba	indwidth	19.10 N	IHz	x dB		-26.	00 dB		

#### Band7_20MHz_16QAM_RB100_0_CH21100

	trum Analyzer - Occupied BW							
R	RF 50 Ω DC		SENSE:INT Center Freg: 2.53	EDDDDDD CHI-		03:12:53 P Radio Std	MAug 15, 2024	Frequency
enter Fr	eq 2.53500000	GHZ	Trig: Free Run	Avg Hold:	10/10			
		#IFGain:Low	#Atten: 30 dB			Radio Dev	ice: BTS	
	Ref Offset 14.2 di	3						
0 dB/div	Ref 30.00 dBm							
<b>og</b> 20.0								
10.0			an and the second second	mann	~~			Center Fre
					1			2.535000000 GH
.00		1			1			
0.0		*			1			
0.0	/				him			
0.0	an water as a sufficient			-	-		the market	
0.0	440	+++						
0.0				_	-			
0.0				_	_			
enter 2.5 Res BW			#VBW 11	VIHz			n 40 MHz ep 1 ms	CF Ste 4.000000 MH
								Auto Ma
Occup	ied Bandwidt	h	Total	Power	29.	9 dBm		
	17	.858 MH	z					Freq Offs
-		47 700 1-1		0000	- 0	0.00 %		0+
	nit Freq Error	47.709 ki		OBW Powe		9.00 %		
x dB Ba	andwidth	19.18 MI	Hz xdB		-26	.00 dB		

# Band7_20MHz_16QAM_RB100_0_CH21350

The STATUS

Keysight Spectrum Analyzer - Occupied		SENSE:INT	03:15:53 PM Au	a 15 2024
enter Freq 2.5600000	0 GHz Center	r Freq: 2.56000000 GHz	Radio Std: No	
		Free Run Avg Hold: 1 h: 30 dB	0/10 Radio Device	BTS
Ref Offset 14.2 0 dB/div Ref 30.00 dB				
og 20.0				Center Fr
0.0		manan manan		2.560000000 G
.00				
0.0				
0.0 martin and a state of the s			and a second and and and and and and and and and a	
0.0				when.
0.0				
0.0				
enter 2.56 GHz Res BW 300 kHz	#	VBW 1 MHz	Span 4 Sweep	
Occupied Bandwid	lth	Total Power	29.7 dBm	Auto M
	7.911 MHz			FreqOffs
Transmit Freq Error	33.001 kHz	% of OBW Power	99.00 %	0
x dB Bandwidth	19.31 MHz	x dB	-26.00 dB	
a			<b>K</b> STATUS	

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# S

### Band12_1.4MHz_QPSK_RB6_0_CH23017

Keysight Spectru	um Analyzer - Occ RF 50 Q		BW			wer wer			17.4	100.00.000			- 2
Center Fre			MHz	:	Center F	NSE:INT req: 699.700	000 MHz	ALIGN A	UTO	Radio Std	M May 10, 2024 : None	Fr	equency
			#F	Gain:Low	#Atten: 3		Avg Hold	: 10/10		Radio Dev	rice: BTS		
10 dB/div	Ref Offset Ref 30.0												
20.0													Center Fred
10.0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mm		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m				699	.700000 MH:
-10.0		1							1				
-20.0	A AMAN									Non and a second designed and a second desig			
-30.0	~~~~							<u> </u>			mm		
-40.0		$\vdash$											
-50.0													
Center 699.	700 844-									On on 2	.100 MHz		
#Res BW 2					#VI	BW 68 kH	iz				p 4.2 ms		CF Step 210.000 kH:
Occupi	ed Band	wid	lth			Total P	ower	:	29.7	dBm		Auto	Mar
-		1	.08	98 M	Hz								Freq Offse
Transmi	t Freq Err	or		-1.544	kHz	% of O	BW Pow	er	99	.00 %			0 Ha
x dB Bar	ndwidth			1.276 N	/Hz	x dB			26.	00 dB			
usg								<b>K</b> s	TATUS				

Kaurisht Spart	Bar	_	lz_QPSK_RB	6_0_CH23	095	
R	RF 50 Ω DC eq 707.500000	MHz Cent	SENSE:INT A ter Freq: 707.500000 MHz : Free Run AvalHold:	Radio Std:	M May 10, 2024	
			en: 30 dB	Radio Dev	ice: BTS	
0 dB/div	Ref Offset 13.8 c Ref 30.00 dB					
<b>99</b> 0.0					Center	Fre
1.0		m	mann		707.500000	Mł
10						
1.0	-					
10 - Aren	and the second			^	and and a second	
1.0						
	7.500 MHz				100 001	
Res BW			#VBW 68 kHz		.100 MHz CF S p 4.2 ms 210.000	
Occup	ied Bandwid	th	Total Power	29.6 dBm	Auto	Ma
	1.	0882 MHz			Freq Of	ffe
Transm	it Freq Error	-1.684 kHz	% of OBW Powe	r 99.00 %		01
	andwidth	1.264 MHz	x dB	-26.00 dB		-
				1		_

# Band12_1.4MHz_QPSK_RB6_0_CH23173

Keysight Spect	rum Analyzer - Occupied B	N		_					
Center Fre	RF 50 Ω DC eq 715.300000	MHz #FGain:Low	Center Fr	nse:INT req: 715.300 e Run 0 dB		ALIGN AUTO 10/10	Radio St	PM May 10, 2024 d: None wice: BTS	Frequency
10 dB/div	Ref Offset 13.8 d Ref 30.00 dBr								
20.0		mm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~	~~~			Center Freq 715.300000 MHz
-10.0	- And						-		
-30.0								-	
-60.0 Center 715 #Res BW 2			#VE	3W 68 kH	17			2.100 MHz ep 4.2 ms	CF Step
	ied Bandwid	th 0885 M		Total P		29.	6 dBm		210.000 kHz <u>Auto</u> Man
	it Freq Error ndwidth	-809 1.258 M	Hz	% of OB x dB	BW Powe		9.00 % .00 dB		Freq Offset 0 Hz
MSG						<b>K</b> STATU	s		L

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

Center Fre	RF 50 Q eq 699.700		<b>1z</b> FGain:Low	Center	SENSE:INT Freq: 699.700 ree Run : 30 dB		ALIGN AUT >10/10	Radio St	PMMay 10, 2024 d: None evice: BTS	Frequ	ency
10 dB/div	Ref Offset 1 Ref 30.00		_								
20.0		-	mm	~~~	<u></u>					Cen 699.700	ter Fre 1000 MH
0.00		4						h			
10.0 <b>********</b> **	~~~										
0.0											
enter 699 Res BW	0.700 MHz 22 kHz			#\	/BW 68 kH	z			2.100 MHz ep 4.2 ms	210	CF Ste 0.000 ki
Occup	ied Bandy		8 <b>96 M</b> I	Ηz	Total P	ower	2	3.4 dBm		Auto Fre	Ma q Offs
	it Freq Erro Indwidth	or	2.668   1.268		% of OE x dB	BW Powe		99.00 % 6.00 dB			0 F

#### Band12_1.4MHz_16QAM_RB6_0_CH23095

R  BF  350  DC    Center Freq 707.50000  Ref 0750000  Ref 076et 13.1  Ref 076et 13.2    10 dB/div  Ref 076et 13.2  Ref 076et 13.2  Ref 076et 13.2    10 dB/div  Ref 076et 13.2  Ref 076et 13.2  Ref 0.00 div    10 dD/div  Ref 076et 13.2  Ref 0.00 div  Ref 0.00 div    10 du  Ref 0.00 div  Ref 0.00 div  Ref 0.2  Ref 0.2	0 MHz #FGsin:Low	SENSEINTI Center Free, 707.5000 Trig: Free Run #Atten: 30 dB	ALIGN AUTO	02:12:55 PMMay Radio Std: Non Radio Device: E	e Frequency
IO dB/div  Ref Offset 13.6    0 dB/div  Ref 30.00 di    0 dg  0	MFGsin:Low	Trig: Free Run #Atten: 30 dB			Center Fre
0 dB/div Ref 30.00 dl 99 10.0 10.0 10.0	Bm	<u>~~~~~~</u>			
		m.			
					707.00000 Mit
			- I N		
1.0					Contract of the second s
0.0					
enter 707.500 MHz Res BW 22 kHz		#VBW 68 kHz	z	Span 2.100 Sweep 4.	MHz CF Ste 210,000 kt
Occupied Bandwi	dth	Total Po	ower 28.	4 dBm	Auto M
-	I.0898 MH	lz			Freq Offs
Transmit Freq Error	3.453 k	Hz % of OB	W Power 9	9.00 %	01
x dB Bandwidth	1.251 M	Hz xdB	-26	.00 dB	

# Band12_1.4MHz_16QAM_RB6_0_CH23173

R		DC			NSE:INT		ALIGN AL			MMay 10, 2024	E	requency
Center Fre	q 715.3000					000 MHz Avg Hold:	10/10		Radio Std		"	equency
		#IFG	ain:Low	#Atten: 3	U dB				Radio Dev	ICe: BIS		
0 dB/div	Ref Offset 1 Ref 30.00											
og 20.0												Center Fre
0.0		pro	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~	m	m		$\vdash$			715	5.300000 MI
0.00		$\wedge$						N				
10.0 Y0.0								1	~			
0.0	- Contraction								~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	And all		
0.0	~									****		
0.0												
0.0												
enter 715. Res BW 2				#VE	3W 68 kH	z				.100 MHz p 4.2 ms		CF Ste 210.000 ki
Occupi	ied Bandv	vidth			Total P	ower	2	28.7	dBm		Auto	M
			78 MH	lz								Freq Offs
Transmi	it Freq Erro	r	4.430 k	Hz	% of OE	SW Powe	ər	99	.00 %			0
x dB Bar	ndwidth		1.270 M	Hz	x dB		-	26.0	00 dB			
a							<b>K</b> os	TATUS				

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#### Band12 3MHz QPSK RB15 0 CH23025

Keysight Spectr	rum Analyzer - Occu		_			_					
Center Fre	RF 50 Ω	000 MHz		Center Fr	reg: 700.500	000 MHz	ALIGN AUTO	Radio Std	M May 10, 2024 : None	Fr	equency
			ain:Low	#Atten: 3		Avg Hold	:>10/10	Radio Dev	rice: BTS		
10 dB/div	Ref Offset 1 Ref 30.00										
20.0											enter Free
10.0			~~~~~			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m			700	.500000 MH
0.00	/							1			
-10.0	/							1			
30.0	m							L.	~~~~~		
-40.0											
-50.0											
-60.0											
Center 700. Res BW 43				#VE	3W 130 k	Hz			.500 MHz 2.333 ms		CF Step 450.000 kH
Occupi	ed Band	width			Total P	ower	29.9	dBm		Auto	Mar
occupi	ou bunu		99 M⊦	z							Freq Offse
Transmi	it Freq Erro	or	-1.697 k	Hz	% of OE	W Pow	er 99	9.00 %			0 H:
x dB Bar	ndwidth		2.949 M	Hz	x dB		-26.	00 dB			
ASG								5			

Ban Keysight Spectrum Analyzer - Occupied BW	d12_3MHz_	QPSK_RB1	5_0_CH23	095
R RF 58 Ω DC Center Freq 707.500000 Ν	Hz Center #IFGsin:Low #Atten:	Freq: 707.500000 MHz ree Run Avg Hold	Radio Sto : 10/10	PM May 10, 2024
Ref Offset 13.8 dE to dB/div ref 30.00 dEm 100 100 100 100 100 100 100 100 100 10				Center Fr 707.500000 M
Center 707.500 MHz Res BW 43 kHz		/BW 130 kHz	Sweep	4.500 MHz 2.333 ms Auto
Occupied Bandwidti 2.0 Transmit Freq Error x dB Bandwidth	n 68 <b>56 MHz</b> 677 Hz 2.943 MHz	Total Power % of OBW Powe x dB	29.9 dBm er 99.00 % -26.00 dB	Freq Offs 0

# Band12_3MHz_QPSK_RB15_0_CH23165

Keysight Spect	rum Analyzer - Occupied BW	_	_	KSE:INT	_	ALIGN AUTO		PM May 10, 2024	
Center Fre	RF 50 Ω DC eq 714.500000 M	MHz #FGain:Low	Center Freg: 714.500000 MHz Radio Std: None						Frequency
10 dB/div	Ref Offset 13.8 dE Ref 30.00 dBm								
20.0 10.0		<u>~~~~~</u>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	/h	~~~~~				Center Freq 714.500000 MHz
-10.0									
-30.0 -40.0 -50.0								~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
-60.0 Center 714 Res BW 43			#VB	W 130 H	(Hz			4.500 MHz 2.333 ms	CF Step 450.000 kHz
Occup	ied Bandwidt 2.0	հ 6872 MH		Total P	ower	29.9	) dBm		Auto Man Freq Offset
	it Freq Error ndwidth	3.636 k 2.941 M		% of OI x dB	BW Powe		0.00 % 00 dB		0 Hz
MSG						<b>K</b> ostatus	5		

#### Band12 3MHz 16QAM RB15 0 CH23025

Keysight Spect	RF 50 Q DC	BW		SE:INT		ALIGN AUTO	02-20-57 P	M May 10, 2024		
enter Fre	q 700.50000	MHz	Center Fre	eq: 700.500	000 MHz		Radio Std		Fr	equency
		MFGain:Low	#Atten: 30		Avg Hold:	>10/10	Radio Dev	rice: BTS		
0 dB/div	Ref Offset 13.8 Ref 30.00 dB									
.og 20.0										Center Fre
0.0		m m			non					.500000 MH
.00							\			
0.0	- /-						1			
0.0	mm						1			
0.0										
0.0										
0.0										
	.500 MHz							.500 MHz		CF Ste
tes BW 43	3 KHZ		#VB	W 130 k	Hz		Sweep	2.333 ms	Auto	450.000 kł Ma
Occup	ied Bandwid	lth		Total P	ower	29.3	dBm		Muto	me
	2	.6924 MI	lz							Freq Offs
Transm	it Freq Error	1.972	Hz	% of OE	W Powe	er 99	.00 %			01
x dB Ba	ndwidth	2.956 N	IHz	x dB		-26.	00 dB			
									1	

#### Band12_3MHz_16QAM_RB15_0_CH23095

Keysight Spec	ctrum Analyzer - Occupied Bi	N				
R	RF 50 Q DC		SENSE:INT	ALIGN A		
enter Fr	eq 707.500000	MHz #IFGain:Low	Center Freq: 707.50 Trig: Free Run #Atten: 30 dB	00000 MHz Avg Hold: 10/10	Radio Std: No Radio Device:	
0 dB/div	Ref Offset 13.8 d Ref 30.00 dBr					
og 10.0						Center Fre
0.0		an and the second s			~~	707.500000 MH
.00	A					
1.0						
					man	m
0.0						
0.0						
0.0						
enter 707 es BW 4	7.500 MHz 3 kHz		#VBW 130	kHz	Span 4.50 Sweep 2.3	0 MHz CF Ste 33 ms 450.000 kH
Occup	ied Bandwidt	th	Total I	Power	28.8 dBm	Auto Ma
		6919 M	Hz			FreqOffs
Transm	nit Freq Error	1.357	kHz % of O	BW Power	99.00 %	01
x dB Ba	andwidth	2.963	/Hz xdB		26.00 dB	

## Band12_3MHz_16QAM_RB15_0_CH23165

R RF 50 Q DC Center Freq 714.500000	Contra	SENSE:INT	ALIGN AUTO	02:33:30 I	PM May 10, 2024	Frequency
enter Freq 714.50000	Trig:		old:>10/10	Radio De		
	#IFGain:Low #Atte	n: 30 dB		Radio De	vice: BTS	
Ref Offset 13.8 10 dB/div Ref 30.00 dB						
.og						Center Fre
10.0 pr~			1			714.500000 MH
				A		
0.0				$\uparrow$		
10.0						
10.0 many market				1	dame.	
0.0						
0.0						
center 714.500 MHz tes BW 43 kHz	ŧ	VBW 130 kHz	4.500 MHz 2.333 ms	CF Ste 450.000 k		
Occupied Bandwig	ith	Total Power	29.0	) dBm		Auto M
	.6904 MHz					Freq Offs
Transmit Freq Error	6.207 kHz	% of OBW Po	wer 99	9.00 %		0
x dB Bandwidth	2.962 MHz	x dB	-26.	00 dB		
a			<b>E</b> STATU	s.		L

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#### Band12 5MHz QPSK RB25 0 CH23035

Keysight Spect	trum Analyzer - Occu										- 2 3
	RF 50 Ω eq 701.5000	DO MHz		Center Fi	NSE:INT req: 701.500	000 MHz	ALIGN AUTO	Radio Std	M May 10, 2024 : None	Fre	equency
			ain:Low	#Atten: 3	e Run 0 dB	Avg Hold:	10/10	Radio Dev	rice: BTS		
10 dB/div	Ref Offset 1 Ref 30.00										
20.0			~~~	······							enter Fred
0.00	Á							1		701	.500000 MH:
-10.0	- /							1			
-20.0	m							hu	mon		
-40.0											
-60.0	_										
Center 701 #Res BW				#VE	3W 240 k	Hz			.500 MHz 1.333 ms		CF Step
Occup	ied Bandv	vidth			Total P	ower	30.0	dBm		Auto	Mar
		4.487	76 MI	Ηz						F	req Offse
Transm	it Freq Erro	r	190	Hz	% of O	BW Powe	er 99	.00 %			0 H
x dB Ba	ndwidth		4.966 M	IHz	x dB		-26.	00 dB			
MSG											

R	Ban trum Analyzer - Οccupied BW RF 50 Ω DC eq 707.500000 N		Z_QPSK_ sense:INT meer Freq: 707.500000 ig: Free Run A tten: 30 dB	ALIGN AUT	-	M May 10, 2024 : None	Frequency	
dB/div	Ref Offset 13.8 dE Ref 30.00 dBm	3	itten: 30 dB		Radio Dev	ICE. B 13		
1.0 1.0		www.www.www.		and	-		Center Fre 707.500000 MF	
					- North			
.0						- mar		
enter 707 Res BW 7	7.500 MHz 75 kHz		#VBW 240 kHz			.500 MHz 1.333 ms	CF Ste 750.000 ki	
Occup	Occupied Bandwidth Total Power 30.0 dBm 4.4827 MHz							
	iit Freq Error andwidth	1.121 kHz 4.952 MHz	% of OBW x dB		99.00 % 6.00 dB		Freq Offs 0 F	

# Band12_5MHz_QPSK_RB25_0_CH23155

Keysight Spect	rum Analyzer - Occupied BW	1	_		_	- 0 2
Center Fre	RF 50 Ω DC eq 713.500000 M		SENSE:INT Center Freq: 713.500 Trig: Free Run #Atten: 30 dB	ALIGN A 000 MHz Avg Hold: 10/10	Radio Std: Non Radio Device: E	e Frequency
10 dB/div	Ref Offset 13.8 dE Ref 30.00 dBm					
20.0			~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~	Center Freq 713.500000 MHz
-10.0 -20.0 -30.0	~~~~					
-40.0 -50.0 -60.0						
Center 713 #Res BW			#VBW 240 k	MHz CF Step 33 ms 750.000 kHz		
Occup	ied Bandwidt 4.4	հ 4932 MH	Total P Z	ower	29.9 dBm	Auto Man Freq Offset
	it Freq Error ndwidth	2.066 kH 4.980 MH		BW Power	99.00 % 26.00 dB	0 Hz
MSG				r 🍐	TATUS	

## Band12_5MHz_16QAM_RB25_0_CH23035

Keysight Spec	trum Analyzer - Occupi									- [ 🖉 🗖
R RF 50 Ω DC Center Freq 701.500000 MHz #FGain			Center Trig: F	SENSE:INT Freq: 701.500 ree Run : 30 dB		ALIGN AUTO 10/10	02:25:38 PM May 10, 2024 Radio Std: None Radio Device: BTS			quency
10 dB/div	Ref Offset 13 Ref 30.00 c									
-og 20.0 10.0 10.0 20.0 20.0 20.0 40.0 50.0 60.0										enter Fre 00000 MH
Center 70 #Res BW	1.500 MHz 75 kHz		#1	/BW 240 k	Hz			.500 MHz 1.333 ms	7 Auto	CF Ste 50.000 kH Ma
Occup	ied Bandw	^{idth} 4.4876	MHz	Total P	ower	29.1	dBm			req Offse
	iit Freq Error andwidth		913 Hz 0 MHz	% of OI x dB	BW Powe		0.00 % 00 dB			0 H

#### Band12_5MHz_16QAM_RB25_0_CH23095 :26:40 PM May 10 fio Std: None Do: ter Freq 707.500000 MHz Center Freq 00 MHz Radio Device: BTS Ref Offset 13.8 dE Ref 30.00 dBm Center Fre 707.500000 M 707 500 MH n 7 500 M CF Ste 750.000 kH Sweep 1.333 n es BW 75 kHz #VBW 240 kHz Total Power 29.2 dBm Occupied Bandwidth 4.4776 MHz Freq Offs Transmit Freg Error 2.433 kHz % of OBW Power 99.00 % 4.929 MHz -26.00 dB x dB Bandwidth x dB

# Band12_5MHz_16QAM_RB25_0_CH23155

R	am Analyzer - Occupied ®W RF 50 Ω DC q 713.500000 MH	Trig:	SENSE:INT IT Freq: 713.5000 Free Run n: 30 dB		IGN AUTO	Radio Sto	02:28:11 PM May 10, 2024 adio Std: None adio Device: BTS		
10 dB/div	Ref Offset 13.8 dB Ref 30.00 dBm								
20.0	pro-	10000000000000000000000000000000000000			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	\			enter Fre 500000 MH
0.00 -10.0 -20.0						Y			
40.0 60.0							www.		
60.0									
Center 713. Res BW 7		#	VBW 240 k	Hz		Span a Sweep	7.500 MHz 1.333 ms		CF Ste 750.000 kH
Occupi	ed Bandwidth		Total P	ower	28.9	dBm		Auto	Ma
	4.49	936 MHz						F	req Offs
Transmi	t Freq Error	2.042 kHz	% of OE	W Power	r 99	.00 %			01
x dB Bar	ndwidth	5.005 MHz	x dB		-26.0	00 dB			
90					<b>E</b> STATUS				

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