

Report No.: TERF2204000399E2 Page: 94 of 237

Band26-Part90s 3MHz 16QAM RB15 0 CH26705

Keysight Spectr	rum Analyzer - Occup RF 50 Ω			SENSE:INT	ALIGN A	170 06-10-561	M May 20, 2022		
	q 815.5000	00 MHz	Center	Freq: 815.50000		Radio Sto	Radio Std: None Frequency Radio Device: BTS		
0 dB/div	Ref Offset 14 Ref 30.00								
og 20.0								Center Fr	
0.0	+ r	man management	m			~~		815.500000 M	
.00									
0.0			-						
0.0	mm					- L.	hum		
0.0									
0.0									
0.0			-						
enter 815 es BW 43			#\	/BW 130 kHz	2		n 4.5 MHz 2.333 ms	CF Ste 450.000 k	
Occupi	ed Bandw	idth		Total Pov	ver	30.9 dBm		Auto M	
		2.6858 N	1Hz					Freq Offs	
Transmi	it Freq Erro	r 5.300) kHz	OBW Pov	ver	99.00 %		0	
x dB Ba	ndwidth	2.905	MHz	x dB		-26.00 dB			

Band26-I	Part90s_3M	Hz_16QAM	_RB15_0_0	CH26740)
Keysight Spectrum Analyzer - Occupied BW R	HZ #IFGain:Low Center Trig: F #Atten	SENSE:INT Freq: 819.000000 MHz free Run Avg Hold : 30 dB	Radio Sto d:>10/10	PM May 20, 2022 d: None vice: BTS	Frequency
Ref Offset 14.7 dE Log Ref 30.00 dBm 10.0					Center Freq 819.00000 MHz
400 500 600 Center 819 MHz Res BW 43 kHz		VBW 130 kHz		n 4.5 MHz 2.333 ms	CF Step 450.000 kHz <u>ito</u> Mar
Occupied Bandwidtl 2.6 Transmit Freq Error x dB Bandwidth	5814 MHz 2.668 kHz 2.903 MHz	OBW Power x dB	99.00 % -26.00 dB		Freq Offset 0 Hz
sg			STATUS		

Band26-Part90s 3MHz 16QAM RB15 0 CH26775

	ctrum Analyzer - Occ										- 0
CM R	RF 50 Ω	DC			ENSE:INT Freq: 822.500	000 1414-	ALIGN AUTO	06:37:33	PM May 20, 2022	Fre	quency
Center Fr	eq 822.500	000 MH:	Z	Trig: Fr	ree Run	Avg Hol	d: 10/10	Radio St	a. None		
		#IF	Gain:Low	#Atten:	30 dB			Radio De	vice: BTS		
10 dB/div	Ref Offset Ref 30.00										
20.0											enter Freq
10.0		man	mm	m	mm	mm					500000 MHz
0.00	/							N		022.	21 111 00000
-10.0	1							1			
-20.0 vmm	mont							~~~~	mon		
-30.0											
-40.0											
-50.0											
-60.0	-										
Center 82	2.5 MHz								n 4.5 MHz	-	
Res BW 4				#V	/BW 130 P	Hz			2.333 ms		CF Step 450.000 kHz
Occup	ied Band	width			Total P	ower	31.0) dBm		<u>Auto</u>	Man
		2.68	33 MH	١z						F	req Offset
Transm	nit Freq Err	or	832	Hz	OBW P	ower	99	0.00 %			0 Hz
x dB Ba	andwidth		2.899 M	IHz	x dB		-26.	00 dB			
MSG							STATU	5			

Band26-Part90s_3MHz_64QAM_RB15_0_CH26705

R Center Fr	RF 50 Ω DC eq 815.500000		Trig: F	SENSE:INT Freq: 815.500 ree Run : 30 dB	1000 MHz Avg Hold	ALIGN AUTO I: 10/10	06:12:02 PM May 20, 2022 Radio Std: None Radio Device: BTS		
0 dB/div	Ref Offset 14.7 d Ref 30.00 dBr								
.og 20.0 10.0		mm	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~	·			Center Fre 815.500000 MH
10.0							<u>\</u>		
							1~		
i0.0 i0.0									
50.0 Center 81	5.5 MHz						Spa	n 4.5 MHz	CF Ste
ResBW 4	3 kHz		#	VBW 130 H	Hz			2.333 ms	450.000 kH
Occup	ied Bandwid			Total P	ower	29.8	dBm		<u>Auto</u> Ma
	2.	6862 N	/Hz						Freq Offs
Transm	nit Freq Error	7.46	5 kHz	OBW P	ower	99	.00 %		0 H
x dB Ba	andwidth	2.900	MHz	x dB		-26.	00 dB		

Band26-Part90s_3MHz_64QAM_RB15_0_CH26740

📕 Keysight Spectr	um Analyzer - Occupie	d BW							d 🛃
enter Fre	g 819.00000	0 MHz	Cente	SENSE:INT r Freq: 819.000000 Mi Free Run Avg h: 30 dB	ALIGN AUTO Iz Hold: 10/10	06:25:11 PM May 20, 2022 Frequency Radio Std: None Frequency Radio Device: BTS Frequency			ıcy
0 dB/div	Ref Offset 14. Ref 30.00 d								
.og 20.0 10.0				~~~~~	~~~~~~			Cente 819.0000	
0.0 0.0 0.0						hall	hand		
0.0									
enter 819 es BW 43			#	VBW 130 kHz			n 4.5 MHz 2.333 ms		FSte 100 k⊢
Occupi	ed Bandwi	dth 2.6863 M	Hz	Total Power	29.	8 dBm		Auto Freq	Ma Offse
Transmi x dB Ba	t Freq Error ndwidth	5.387 2.892		OBW Power x dB		9.00 % .00 dB			0 H

Band26-Part90s 3MHz 64QAM RB15 0 CH26775

Keysight Spectrum Analyzer							- 8 -
	50 Ω DC		sense:INT er Freg: 822.500000 M	ALIGN AUTO	06:38:22 Radio St	PM May 20, 2022	Frequency
Center Freq 822.5	500000 M	Trig:	Free Run Avg	Hold: 10/10	Radio Sti	a: None	
		#IFGain:Low #Atte	en: 30 dB		Radio De	vice: BTS	
Pof Of	fset 14.7 dB						
	0.00 dBm						
.og							
20.0	and	mmm	man				Center Fr
10.0	1			V	1		822.500000 M
0.00	1				N		
10.0	1				1		
0.0	/				+	- I	
30.0 mmmmmmmm					~~~	man m	
40.0							
50.0							
60.0							
enter 822.5 MHz						n 4.5 MHz	CF Ste
Res BW 43 kHz			#VBW 130 kHz		sweep	2.333 ms	450.000 k
Occupied Ba	ndwidth		Total Powe	r 30.	0 dBm		Auto M
o coupied Ba		861 MHz					
	2.0						Freq Offs
Transmit Freq	Error	3.117 kHz	OBW Power	r 9:	9.00 %		0
x dB Bandwidt	h	2.895 MHz	x dB	26	.00 dB		
		2.055 WHZ	X UB	-20	.00 08		
SG				STATU	JS		

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Band26-Part90s 5MHz QPSK RB25 0 CH26715

R	trum Analyzer - Occupied BW RF 50 Ω DC eq 816.500000 N	LL- Cente	SENSE:INT	ALIGN AUTO	06:57:05 P Radio Std	M May 20, 2022	Frequency
		Trig:		old: 10/10	Radio Device: BTS		
0 dB/div	Ref Offset 14.7 dB Ref 30.00 dBm						
og 10.0				-			Center Fre
0.0					1		816.500000 MI
.00					1		
0.0							
	mond				hu	ann	
0.0				_			
0.0							
enter 81 Res BW		#	VBW 240 kHz			17.5 MHz 1.333 ms	CF Ste 750.000 k
Occup	ied Bandwidth	1	Total Power	31.8	3 dBm		Auto M
	4.4	771 MHz					Freq Offs
Transm	nit Freq Error	7.124 kHz	OBW Power	99	9.00 %		0
x dB Ba	andwidth	4.910 MHz	x dB	-26.	00 dB		
1							L

🚺 Keysight Spe	Band26- ctrum Analyzer - Occupied BW		MHz_QPSK_	_RB25_0_C	CH2674	0
Center Fr	RF 50 Ω DC Teq 819.000000 N	Trig:	sense:INT r Freq: 819.000000 MHz Free Run Avg Hol n: 30 dB	Radio St d: 10/10	PM May 20, 2022 td: None evice: BTS	Frequency
10 dB/div	Ref Offset 14.7 dE Ref 30.00 dBm					
20.0			m	mm		Center Freq 819.000000 MHz
-10.0						
-30.0					- Marine	
-50.0						
Center 81 #Res BW			VBW 240 kHz		an 7.5 MHz 1.333 ms	CF Step 750.000 kHz
Occur	bied Bandwidtl 4.4	^h 4737 MHz	Total Power	31.9 dBm		Auto Man Freq Offset
	nit Freq Error	150 Hz	OBW Power	99.00 %		0 Hz
x dB B	andwidth	4.896 MHz	x dB	-26.00 dB		
ISG				STATUS		

Band26-Part90s 5MHz QPSK RB25 0 CH26765

	ectrum Analyzer - Occ										
(X) R	RF 50 Ω	DC			INSE:INT		ALIGN AUTO	07:34:30 Radio Sto	PM May 20, 2022	Frequenc	v
Center F	req 821.500	000 MH2	<u>'</u>		req: 821.500 e Run	AvaiHol	d: 10/10	Radio Sta	1: None		· ·
		#IF	Gain:Low	#Atten: 3				Radio De	vice: BTS		
	2										
10 dB/div	Ref Offset Ref 30.00									1	
Log	Kei 30.00										
20.0							-			Center	Freq
10.0			m	and the second second	h		mon			821,50000	
0.00	(1			
-10.0								1.			
	, M							N			
-20.0	mand						-	1	mon		
-30.0	~										
-40.0										1	
-50.0											
-60.0											
	21.5 MHz								n 7.5 MHz	CE	Step
#Res BW	75 kHz			#VI	BW 240 k	Hz		Sweep	1.333 ms	750.00	0 kHz
										Auto	Man
Occu	pied Band	width			Total P	ower	31.9	dBm			
		4.48	19 MH	z						FreqC	ffeet
										incqu	0 Hz
Trans	mit Freq Err	or	-6.872 k	Hz	OBW P	ower	99	.00 %			
x dB E	Bandwidth		5.131 M	Hz	x dB		-26.	00 dB			
MSG							STATUS	5			

Band26-Part90s 5MHz 16QAM RB25 0 CH26715

R Center Fr	RF 50 Ω DC eq 816.500000	MHz #IFGain:Low			0000 MHz Avg Hold	ALIGN AUTO	07:05:23 Radio Sto		Frequency
0 dB/div	Ref Offset 14.7 Ref 30.00 dB								
-og 20.0			- 0 -00						Center Fre
10.0									816.500000 MH
0.00	1						1		
20.0	har						W		
30.0 mm	- mar						· hul	ham	
40.0			_	_					
50.0			-						
60.0			-						
Center 81 #Res BW			#\	/BW 240 I	KHz			n 7.5 MHz 1.333 ms	CF Ste 750.000 kH
Occup	ied Bandwid	th		Total P	ower	30.9	dBm		<u>Auto</u> Ma
	4	.4839 M	Hz						Freq Offs
Transm	nit Freq Error	3.149	kHz	OBW P	ower	99	.00 %		0 H
x dB Ba	andwidth	4.911	MHz	x dB		-26.	00 dB		

Band26-Part90s_5MHz_16QAM_RB25_0_CH26740

	ttrum Analyzer - Occupied B	3W						- 6 🛃
R Renter Fr	RF 50 Q DC eq 819.000000	MHz Cent	sense:INT er Freq: 819.000000 MHz		07:22:08 P Radio Std	M May 20, 2022	Freq	uency
			Free Run Avg Hol an:30 dB		Radio Dev	ice: BTS		
0 dB/div	Ref Offset 14.7 Ref 30.00 dB							
9 0.0							Ce	nter Fre
	m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		mm			819.00	00000 MH
20					1			
.0					7			
0					- Y			
0						arr and the		
.0								
.0								
enter 81						7.5 MHz		CF Ste
Res BW			#VBW 240 kHz			1.333 ms	7t Auto	50.000 kł Mi
Occup	ied Bandwid		Total Power	30.9	dBm			
	4	.4642 MHz					Fr	eq Offs
Transm	nit Freq Error	3.713 kHz	OBW Power	99.	00 %			01
x dB Ba	andwidth	4.877 MHz	x dB	-26.0	0 dB			

Band26-Part90s 5MHz 16QAM RB25 0 CH26765

Keysight Spectrum Analyzer - Occupied BW						- 8 -
R RF 50 Ω DC Center Freq 821.500000 M		SENSE:INT r Freq: 821,500000 MHz	ALIGN AUTO	07:34:56 F Radio Std	M May 20, 2022	Frequency
	Trig: F		ld: 10/10	Radio Dev	vice: BTS	
Ref Offset 14.7 dE 0 dB/div Ref 30.00 dBm						
og 20.0	-		_			Center Fre
0.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			1		821.500000 M
				Λ.		
00 A AA				M		
10.0 marked and the				4	mh	
0.0						
0.0						
50.0						
enter 821.5 MHz Res BW 75 kHz		VBW 240 kHz			n 7.5 MHz 1.333 ms	CF Ste
Res DW 75 KHZ	#				1.555 1115	750.000 k Auto M
Occupied Bandwidt		Total Power	31.0) dBm		
4.4	4827 MHz					Freq Offs
Transmit Freq Error	-7.060 kHz	OBW Power	99	.00 %		0
x dB Bandwidth	4.922 MHz	x dB	-26.	00 dB		
sg			STATU	5		

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Band26-Part90s 5MHz 64QAM RB25 0 CH26715

Keysight Spect	rum Analyzer - Oc RF 50 Ω	cupied BW		S	INSE:INT		ALIGN AUTO	07:06:06 P	M May 20, 2022		
enter Fre	eq 816.500	000 MH:	Z Gain:Low	Center F	Center Freq: 816.500000 MHz Trig: Free Run Avg Hold: 10/10 #Atten: 30 dB				: None vice: BTS	Frequency	
0 dB/div	Ref Offset Ref 30.0				_						
og 20.0											Center Fre
0.0	-	mon	~~~~	~~~~~	forman	-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u> </u>		81	6.500000 MI
.00	1							1			
0.0	لحمى							M			
0.0	will							~	mun		
0.0											
0.0											
0.0							-				
enter 816 Res BW 7				#V	BW 2401	kHz			n 7.5 MHz 1.333 ms		CF Ste 750.000 k
Occupi	ied Band	width			Total F	Power	30.1	dBm		Auto	M
			60 MH	Ηz							Freq Offs
Transm	it Freq Err	or	4.260	Hz	OBW F	ower	99	0.00 %			0
x dB Ba	dB Bandwidth 4.947		1Hz x dB			-26.	-26.00 dB				

	art90s_5M	Hz_64QAM	_RB25_0	_CH2674	
	Z Center	sense:INT Freq: 819.000000 MHz ree Run Avg Hold : 30 dB	Radio d: 10/10	50 PM May 20, 2022 Std: None Device: BTS	Frequency
Ref Offset 14.7 dB Log Ref 30.00 dBm 00	man man mark		\ \ V.	ΛΛ Λ · ·	Center Freq 819.000000 MHz
Center 819 MHz				[1]/ M _/ ∩/[1] pan 7.5 MHz	
Res BW 75 kHz Occupied Bandwidth	# 885 MHz	VBW 240 kHz Total Power		ep 1.333 ms	CF Step 750.000 kHz <u>Auto</u> Man
4.44 Transmit Freq Error x dB Bandwidth	-511 Hz -511 Hz 4.864 MHz	OBW Power x dB	99.00 % -26.00 dE		Freq Offset 0 Hz
99			STATUS		

Band26-Part90s 5MHz 64QAM RB25 0 CH26765

	ency ter Freq 000 MHz
Certify free Q21.500000 mit2 Trip: Free Run AvgiHold>10/10 Radio Device: BTS 8/FGainLow #FGainLow #FGainLow Redio Device: BTS Redio Device: BTS 10 #FGainLow #FGainLow #FGainLow Redio Device: BTS Redio Device: BTS 200	ter Freq
Bef Offset 14.7 dB Red o Device: BTS 10 dbl/div Ref 30.00 dBm Ref 30.00 dBm 200 Cen Set 30.00 dBm 000 Set 30.00 dBm Set 30.00 dBm	
10 dati/w Ref 30.00 dBm	
	000 MHz
400	
50.0	
-600	
Center 821.5 MHz Span 7.5 MHz	CF Step
#Res BW 75 KHZ #VBW 240 KHZ Sweep 1.333 ms 750	.000 kHz
Occupied Bandwidth Total Power 30.1 dBm	Man
4.4858 MHz	qOffset
Transmit Freq Error -7.142 kHz OBW Power 99.00 %	0 Hz
x dB Bandwidth 4.903 MHz x dB -26.00 dB	-
ASG STATUS	

Band26-Part90s 10MHz QPSK RB50 0 CH26740

R	trum Analyzer - Οτο RF 50 Ω ອq 819.000	DC	Z Gain:Low	Center Fr			ALIGN AUTO :>10/10	07:49:46 Radio Sto Radio De		Frequency
10 dB/div	Ref Offset Ref 30.0									
20.0		,	m	a ha ta an	-+++harman	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		1		Center Fre 819.000000 MH
10.00	+ /							$\left(- \right)$		
20.0 30.0 40.0								J.	aprendant	
50.0										
Center 81 Res BW 1				#VE	3W 510 k	Hz			an 15 MHz eep 1 ms	CF Ste 1.500000 MH
Occup	ied Band		76 MI	H7	Total P	ower	31.8	dBm		Auto Ma
Transm	ansmit Freq Error 4.753 kł				-			.00 %		Freq Offse 0 H
x dB Ba	indwidth		9.647 N	1Hz	x dB		-26.	00 dB		



	and a second					
R Contor Er	RF 50 Ω DC		SENSE:INT enter Freq: 819.000000	ALIGN AUTO	07:50:27 PM May 20,3 Radio Std: None	Frequency
enter Fr	eq 8 19.00000	1 1	rig: Free Run A	g Hold: 10/10		
		#IFGain:Low #	Atten: 30 dB		Radio Device: BTS	;
	Ref Offset 14.7	dB				
0 dB/div	Ref 30.00 dE					
og 0.0						0
1.0	m	warmen warman	mmmm	mennen	~	Center Fre 819.000000 MH
	1				1 I	819.000000 MH
					N	
.0					1	
.0						
0 ~~~~	mentant				hand a second	anna.
.0						_
.0						
.0	_					
enter 81					Span 15 M	
es BW 1	50 kHz		#VBW 510 kHz		Sweep 1	1.500000 MH
Occur	ied Bandwid	lth	Total Pow	er 31 ·	1 dBm	Auto Ma
Occup						
	8	8.9078 MHz				Freq Offs
Transm	nit Freq Error	12.402 kH	OBW Pow	er Q	9.00 %	0 H
x dB Ba	andwidth	9.626 MH	x dB	-26	.00 dB	

Band26-Part90s 10MHz 64QAM RB50 0 CH26740

Keysight Spectrum Analyzer - Occupied BW					
R RF 50 Ω DC Center Freq 819.000000 N		SENSE:INT r Freq: 819.000000 MHz	ALIGN AUTO 07:51:47 Radio Str	PM May 20, 2022 d: None	Frequency
	Trig: F	Free Run Avg Holo n: 30 dB		vice: BTS	
Ref Offset 14.7 dB 10 dB/div Ref 30.00 dBm					
.og 20.0					Center Fre
10.0		man hand a marked and a second	many		819.000000 MH
0.00					
no m . M all			"MALA	han .	
			111	("YVA)	
0.0					
50.0					
60.0					
Center 819 MHz Res BW 150 kHz	#	VBW 510 kHz		an 15 MHz eep: 1 ms	CF Ste 1.500000 MH
Occupied Bandwidth	1	Total Power	29.9 dBm		Auto M
	294 MHz				Freq Offs
Transmit Freq Error	8.625 kHz	OBW Power	99.00 %		01
x dB Bandwidth	11.04 MHz	x dB	-26.00 dB		
sg			STATUS		

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Band26 1.4MHz QPSK RB6 0 CH26797

R	rum Analyzer - Οcc RF 50 Ω 9q 824.700	DC	lz	Center	SENSE:INT Freq: 824.70 ree Run	0000 MHz Avg Ho	ALIGN A		09:54:19 A Radio Std	M May 20, 2022 : None	F	requency
	Ref Offset		FGain:Low	#Atten	: 30 dB				Radio Dev	vice: BTS		
10 dB/div	Ref 30.0											
20.0				m	m							Center Fre
0.00		A						Y.				
20.0	- malarment								maria	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
0.0												
50.0												
enter 82					(D)W. 60 I-I					n 2.1 MHz	_	CF Ste
	V 20 kHz		#	#VBW 62 kHz			Sweep 31.3 dBm			Auto	210.000 ki	
			861 M	Ηz								Freq Offs
Transm	ansmit Freq Error -1.271 H dB Bandwidth 1.268 M		kHz OBW Power			99.00 %					01	
x dB Ba			1Hz	lz xdB			-26.00 dB					

Keysight Spect	trum Analyzer - Occupied B		4101112	z_QPSK		0_0		5915		8
R	RF 50 Ω DC eq 836.500000	MHz	Center			ALIGN AUTO	09:57:51 Radio St	AM May 20, 2022 d: None	Frequen	
		#IFGain:Low	#Atten	: 30 dB			Radio De	vice: BTS		
dB/div	Ref Offset 14.7 Ref 30.00 dB									
99 0.0									Cente	r Fre
.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	- Carlandard			m			836.50000	00 M
.0										
.0							have			
0,000,000,000	~~~~						س .	a comando		
.0			-							
.0										
enter 83	6.6 MU-7						6 no	un 2.1 MHz		
es BW 2			#\	/BW 62 kHz				5.067 ms	210.0	
Occup	ied Bandwid	th		Total Pov	ver	31	.1 dBm		Auto	м
	1	.0855 N	IHz						Freq	Offs
Transm	it Freq Error	-1.596	kHz	OBW Pov	ver	ç	99.00 %			0
x dB Ba	dB Bandwidth 1.262 I		MHz	lz xdB			6.00 dB			
						STAT	us			_

Band26_1.4MHz_QPSK_RB6_0_CH27033

	Spectrum Analyzer - Occ							_			- 8 💌
Contor	RF 50 Ω Freq 848.300		-		NSE:INT rea: 848,300	000 MHz	ALIGN A	UTO	10:02:04 A Radio Std	M May 20, 2022	Frequency
Center			Z Gain:Low		e Run	Avg Hold	: 10/10		Radio Dev		
10 dB/div	Ref Offset							_			
20.0 10.0		~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mm						Center Freq 848.300000 MHz
0.00								X	<u> </u>		
-20.0	v. www. rec.									m	
-50.0											
	848.3 MHz / 20 kHz			#VE	BW 62 kH	lz				n 2.1 MHz 5.067 ms	CF Step 210.000 kHz
Occi	upied Band		356 MI		Total P	ower	:	31.2	dBm		<u>Auto</u> Man
Tran	smit Freq Err	Hz	OBW Power			99.00 %			Freq Offset 0 Hz		
x dB	Bandwidth		1.250 N	IHz	x dB			-26.	00 dB		
MSG							5	STATUS	i i		

Band26_1.4MHz_16QAM_RB6_0_CH26797

R	trum Analyzer - Occupied BW RF 50 Ω DC 9q 824.700000 M		SENSE:INT Center Freq: 824.700000 Mi Trig: Free Run Avg Atten: 30 dB	ALIGN AUTO Hz Hold: 10/10	09:54:42 AM May 20, 2 Radio Std: None Radio Device: BTS	022 Frequency
0 dB/div	Ref Offset 14.7 dB Ref 30.00 dBm					
-09 20.0 10.0 0.00 10.0 20.0			mann	h		Center Free 824.700000 MH
20.0					"her-" house	
Center 824 Res BW 2			#VBW 62 kHz		Span 2.1 Mi Sweep 5.067 n	
Occup	ied Bandwidth 1.0) 862 MHz	Total Powe	r 30.5	dBm	Auto Ma
	it Freq Error Indwidth	3.013 kH: 1.271 MH:			.00 % 00 dB	0 H

Band26 1.4MHz 16QAM RB6 0 CH26915

	trum Analyzer - Oc											d 🛃
R Center Fr	eq 836.500		IHz	Center F Trig: Fre	NSE:INT req: 836.500 e Run		ALIGN AUT	TO	09:58:27 A Radio Std	M May 20, 2022 None	Frequ	ency
			#IFGain:Low	#Atten: 3	30 dB				Radio Dev	ice: BTS		
0 dB/div	Ref Offset Ref 30.0											
.og 20.0											Cen	ter Fre
0.0		r	m	$\sim\sim\sim$	~~~~		my	_			836.500	0000 MH
.00		LA-					P	$\left\{ \right.$				
0.0		+						~	ъ.,			
0.0	1								- 2			
مرمنوس 0.0	w lungsond								~~~	www.		
0.0												
0.0												
0.0												
enter 83 es BW 2				#VE	3W 62 kH	Iz				1 2.1 MHz 5.067 ms		CF Ste
Occup	cupied Bandwidth			Total Power			30.5 dBm				Ma	
		1.0	0853 MI	Ηz							Fre	qOffs
Transm	ansmit Freq Error 3.622 k		Hz	Hz OBW Power		99.00 %				0 H		
x dB Ba	andwidth		1.266 N	IHz	x dB		-2	26.0	00 dB			
											1	

Band26 1.4MHz 16QAM RB6 0 CH27033

Keysight Spectrum Analyzer - Occupied BW					
R RF 50 Ω DC		SENSE:INT r Freq: 848.300000 MHz		0:02:33 AM May 20, 2022 dio Std: None	Frequency
Center Freq 848.300000 M	Trig:	Free Run Avg Hol	d: 10/10		,
	#IFGain:Low #Atter	n: 30 dB	Ra	dio Device: BTS	
Ref Offset 14.7 dB					
0 dB/div Ref 30.00 dBm					
20.0					Center Fre
0.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mmmm	mm		848.300000 M
1.00			+ A +		
0.0			- "ba		
0.0			~	mm	
0.0					
0.0					
0.0					
60.0					
				-	
enter 848.3 MHz les BW 20 kHz	#	VBW 62 kHz	Sv	Span 2.1 MHz veep 5.067 ms	CF Ste
CO BRI LO RAL	"	TEN OF MIL		<u> </u>	210.000 k Auto M
Occupied Bandwidth		Total Power	30.3 dE	Bm	
1.0	866 MHz				Freq Offs
	4 000 111-	OBW Power			0
Transmit Freq Error	1.993 kHz		99.00		
x dB Bandwidth	1.276 MHz	x dB	-26.00	dB	
sg			STATUS		

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台灣檢驗科技股份有限公司

SGS Taiwan Ltd.

t (886-2) 2299-3279

f (886-2) 2298-0488

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

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Report No.: TERF2204000399E2 Page: 98 of 237

Band26 1.4MHz 64QAM RB6 0 CH26797

	um Analyzer - Occ											
R Center Fre	RF 50 Ω oq 824.700	IZ FGain:Low	Center	SENSE:INT ALIGN AUTO Center Freq: 824.700000 MHz Trig: Free Run Avg Hold: 10/10 #Atten: 30 dB					M May 20, 2022 : None ice: BTS	Frequency		
0 dB/div	Ref Offset Ref 30.00											
og 20.0 10.0		m		n								Center Fre
0.0		4										
0.0	and and the			-					ww	m		
0.0	_				_			_				
enter 824	7 MH7								Snar	2.1 MHz		
es BW 20				#\	/BW 62 k	Hz		Sv		5.067 ms		CF Ste 210.000 k
Occupi	ed Band				Total F	Power	2	9.2 dE	lm		<u>Auto</u>	м
		1.0	858 M	Hz								Freq Offs
Transmi	it Freq Err	or	-71	7 Hz	OBW F	ower		99.00	%			0
x dB Ba	ndwidth		1.280 I	MHz	x dB		-2	26.00	Β			

	Bar	nd26_1	.4MHz	_64QAM_	RB6_0	_CH2	6915	
CNU R	ctrum Analyzer - Occupied RF 50 Ω DC eq 836.500000		Center		ALIGN AUTO 12 Hold:>10/10	09:59:15 A Radio Sto Radio Der		Frequency
10 dB/div Log 20.0 10.0 -10.0	Ref Offset 14.7 Ref 30.00 dE		<u>~~~</u>			~		Center Fred 836.500000 MH
-30.0							n 2.1 MHz	CF Step
Res BW 2 Occup	ied Bandwid	dth 1.0868		/BW 62 kHz Total Power	- 29.	Sweep 2 dBm	5.067 ms	210.000 kH Auto Mar Freq Offse
	nit Freq Error andwidth		488 Hz '1 MHz	OBW Power x dB		9.00 % .00 dB		0 H:
//SG					STATU	us		<u> </u>

Band26 1.4MHz 64QAM RB6 0 CH27033

	trum Analyzer - Occu											
Contor Fr	eq 848.3000		-	SENSE Center Fred		000 MHz	ALIGN A	UTO	10:03:28 Radio St	AM May 20, 2022	Fr	equency
	eq 848.3000		-	Trig: Free R #Atten: 30 c	un	Avg Hold	I: 10/10			vice: BTS		
10 dB/div	Ref Offset 1 Ref 30.00											
20.0												Center Freq
10.0		m	mm	m	~~~~	mm	m	Ļ				.300000 MHz
0.00		A					-	K.				
-10.0		4							1			
-20.0	a norman and								m Juga	· ······		
-30.0	2 W - 1											
-50.0												
-60.0												
Center 84 Res BW 2				#VBW	/ 62 kH	Iz				n 2.1 MHz 5.067 ms		CF Step 210.000 kHz
Occup	ied Bandv	vidth		т	otal P	ower	:	29.1	dBm		<u>Auto</u>	Man
		1.08	855 MH	z								Freq Offset
Transm	nit Freq Erro	or	-498 H	lz C	BW P	ower		99	.00 %			0 Hz
x dB Ba	andwidth		1.292 MH	z x	dB			-26.	00 dB			
ISG							s	TATUS				

Band26_3MHz_QPSK_RB15_0_CH26805

enter Fre	RF 50 Ω DC eq 825.500000 N		SENSE:INT enter Freq: 825.500000 rig: Free Run A Atten: 30 dB	MHz vg Hold: 10/10	09:28:03 AM May 20, 2023 Radio Std: None Radio Device: BTS	Frequency	
10 dB/div	Ref Offset 14.7 dB Ref 30.00 dBm]	
20.0 10.0 10.0 10.0 20.0		~~~~	v	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Center Fre 825.500000 MH	
30.0 40.0 50.0 60.0							
Center 82 Res BW 4			#VBW 130 kHz		Span 4.5 MHz Sweep 2.333 ms	450.000 kH	
Occup	ied Bandwidth 2.6	n 6932 MHz	Total Pow	ver 31.6	ð dBm	Auto Ma Freq Offse	
	iit Freq Error Indwidth	2.072 kHz 2.912 MHz			0.00 % 00 dB	0 H	

Band26 3MHz QPSK RB15 0 CH26915

	trum Analyzer - Occup									-0	0
Center Fre	RF 50 Ω eq 836.5000	00 MHz	iin:Low	Center F			ALIGN AUTO	09:31:19 AM May 20, 2022 Radio Std: None Radio Device: BTS		Frequency	ency
0 dB/div	Ref Offset 14 Ref 30.00				_						
og 20.0 10.0		n	~~~~	······		s	mm				ter Fre
0.0											
0.0								~~~	ar war have		
0.0											
enter 83 es BW/4				#VE	3W 130 k	Hz			n 4.5 MHz 2.333 ms	450	CF Ste 0.000 k⊦
Occup	ccupied Bandwidth		21 MF	łz	Total P	ower	31.5	ō dBm		Auto Fre	Ma q Offse
Transm	it Freq Erro	r	781	Hz	OBW P	ower	99	.00 %			0H
x dB Ba	indwidth	:	2.894 M	Hz	x dB		-26.	00 dB			

Band26 3MHz QPSK RB15 0 CH27025

R R	RF 50 Ω DC req 847.500000 I		SENSE:INT r Freq: 847.500000 MHz	ALIGN AUTO	09:37:15 AM Radio Std:	May 20, 2022 None	Frequency
		Trig:	FreeRun Avg Ho n:30 dB	old: 10/10	Radio Devi	ce: BTS	
0 dB/div	Ref Offset 14.7 di Ref 30.00 dBn						
.og 20.0				-			Center Fr
10.0				www.			847.500000 M
10.0				-	N		
	0						
30.0 20/000	mmW			_	mon	mm	
40.0				_			
0.0				_			
60.0							
Center 8 Res BW	47.5 MHz 43 kHz	#	VBW 130 kHz		Span Sweep 2	4.5 MHz 2.333 ms	CF Ste 450,000 k
Occu	pied Bandwidt	h	Total Power	31.	4 dBm		Auto M
	2.	6797 MHz				ĺ	Freq Offs
Transr	mit Freq Error	-1.985 kHz	OBW Power	9	9.00 %		0
x dB B	Bandwidth	2.898 MHz	x dB	-26	.00 dB	[
sg				STATU	IS		

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Band26 3MHz 16QAM RB15 0 CH26805

	rum Analyzer - Occupied BW						
enter Fre	RF 50Ω DC Pq 825.500000 M		SENSE:INT Center Freq: 825.500 Trig: Free Run #Atten: 30 dB		Radi 10/10	8:47 AM May 20, 2022 o Std: None o Device: BTS	Frequency
10 dB/div	Ref Offset 14.7 dE Ref 30.00 dBm						
00 10.0 10.0 10.0 20				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		w	Center Fr 825.500000 Mi
50.0							
enter 825 es BW 43			#VBW 130 k	Hz		Span 4.5 MHz ep 2.333 ms	CF Ste 450.000 ki
Occupi	ied Bandwidt	^h 6836 MH	Total P	ower	30.9 dBr	n	Auto Mi
Transmi	∠_۷ it Freq Error	חוא מכמס 590 H	-	ower	99.00	%	Freq Offs 01
x dB Ba	-	2.903 MH	lz xdB		-26.00 d	В	

R	trum Analyzer - Occu RF 50 Ω 9q 836.500	DC 000 MHz	: Sain:Low				ALIGN AUTO : 10/10	09:31:52 A Radio Std		Freque	ncy
) dB/div	Ref Offset Ref 30.00	14.7 dB	Sameow	WALLEN. C				Rualo Del			
og 0.0 0.0		/~~m~~	~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			****			Cent 836.5000	
0.0											
0.0	mm							<u> </u>	Marrian 1		
0.0											
enter 83 es BW 4				#VE	3W 130 k	Hz			n 4.5 MHz 2.333 ms	450.	F Ste
Occup	ied Band		20 MI		Total P	ower	30.8	dBm		Auto	Ma
Transm	it Freg Erro	2.6820 MHz						99.00 %		Freq Of	
x dB Ba	dB Bandwidth			IHz	x dB		-26.00 dB				
							STATUS	5		L	

Band26 3MHz 16QAM RB15 0 CH27025

	ctrum Analyzer - Occupie									- 8 💌
R Center Fi	req 847.50000	0 MHz			000 MHz Avg Hole	ALIGN AUTO	Radio Dev		Fr	equency
10 dB/div	Ref Offset 14. Ref 30.00 d									
20.0	^		www.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~					enter Freq .500000 MHz
-10.0 -20.0								~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
-40.0										
Center 84 Res BW 4			#V	/BW 130 k	Hz			n 4.5 MHz 2.333 ms		CF Step 450.000 kHz
Occu	pied Bandwi	^{dth} 2.6765 M	Hz	Total P	ower	30.7	dBm		Auto	Man Freq Offset
	nit Freq Error andwidth	-1.311 2.908		OBW Po x dB	ower		0.00 % 00 dB			0 Hz
MSG						STATUS	5			

Band26 3MHz 64QAM RB15 0 CH26805

825.50000	+		req: 825.500			Radio Std	I: None	Freque	mey
		Trig: Free Run Avg Hold: 10/10							
	#IFGain:Low					Radio Dev	vice: BTS		
Ref Offset 14.7 Ref 30.00 dl									
								Cant	or Fro
~	mm	mm	humm	······	m				
						Λ			
/						1			
						1	0.0		
							1.00		
		-							
MH7						Sna	n 4.5 M⊌z		
Hz		#V	BW 130 k	Hz				450	CF Ste .000 k⊦
d Bandwi	ith		Total P	ower	30.8	dBm		Auto	Ma
2	.6897 M	Hz						Free	Offs
Freq Error	2.880	2.880 kHz		ower	99	.00 %			0 H
dwidth	2.906	MHz	x dB		-26.	00 dB			
	Ref 30.00 dE	Ref 30.00 dBm	Ref 30.00 dBm	Ref 30.00 dBm Image: State of the st	Ref 30.00 dBm Image: State of the sta	Ref 30.00 dBm Image: State Stat	Ref 30.00 dBm Image: Constraint of the second se	Ref 30.00 dBm	Ref 30.00 dBm Cent 0

Band26 3MHz 64QAM RB15 0 CH26915

	rum Analyzer - Occu	upied BW										
enter Fre	RF 50 Ω oq 836.5000		z	Center I Trig: Fr	ENSE:INT Freq: 836.500 ee Run	000 MHz Avg Hold	ALIGN AUTO	09:32:40 / Radio Sto	M May 20, 2022 I: None	Fr	equency	
0 dB/div	Ref Offset 1 Ref 30.00	14.7 dB	Gain:Low	#Atten:	30 dB			Radio De	vice: BTS			
og 0.0 0.0		mm Non	~~~~			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				Center Fre	
.0												
10	~~~~							`~~	and the second			
enter 836	5 MH7							Sna	n 4.5 MHz			
es BW 43				#V	'BW 130 k	Hz			2.333 ms		CF Ste 450.000 ki	
Occupi	ied Bandy				Total P	ower	29.7	dBm		Auto	M	
-			74 MH							Freq		
	it Freq Erro ndwidth	or	5.624 k 2.894 M		OBW P x dB	ower		0.00 % 00 dB			01	

Band26 3MHz 64QAM RB15 0 CH27025

	ctrum Analyzer - Occupied BV	1					
N R	RF 50 Ω DC		SENSE:INT	ALIGN AUTO	09:40:04 Radio Sto	M May 20, 2022	Frequency
Center Fi	req 847.500000 l		er Freq: 847.500000 MHz Free Run Avg Ho	old: 10/10	Radio Sto	: None	
		#IFGain:Low #Atte	n: 30 dB		Radio De	vice: BTS	
	Ref Offset 14.7 d						
0 dB/div	Ref 30.00 dBn						
og					1		
20.0							Center Fr
10.0	min	m	and the second s	mummu			847.500000 M
0.00	1				<u>\</u>		
10.0	- /						
20.0					$ \rangle$		
30.0	mms				1 Jam	mon	
40.0	www.m						
50.0							
60.0							
Center 84	47.5 MHz				Spa	n 4.5 MHz	
tes BW	43 kHz	#	#VBW 130 kHz			2.333 ms	CF St 450.000 k
-			Total Power	00	7 dBm		Auto N
Occu	pied Bandwidt		Total Power	29.	/ asm		
	2.	6832 MHz					Freq Offs
T	nit Freg Error	2.192 kHz	OBW Power	0	9.00 %		0
			OBW Fower				
x dB B	andwidth	2.880 MHz	x dB	-26	.00 dB		
sg				STATI	ie.		1
50				STATE	10		

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SGS Taiwan Ltd.

t (886-2) 2299-3279

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Band26 5MHz QPSK RB25 0 CH26815

	trum Analyzer - Occupied BW							- 6
R Renter Fre	≋ 50 Ω DC eq 826.500000 N	Tri	SENSE:INT ALIGN AUTO Center Freq: 826.600000 MHz Trig: Free Run Avg Hold: 10/10 #Atten: 30 dB			MMay 19, 2022 None	Fre	quency
0 dB/div	Ref Offset 14.7 dB Ref 30.00 dBm							
og 0.0 0.0	- Jum			m				enter Fre
00 0.0								
0.0								
enter 826 Res BW 7			#VBW 240 kHz		Spar Sweep	n 7.5 MHz 1.333 ms	;	CF Sto 750.000 k
Occupi	ied Bandwidth		Total Power	32.0) dBm		Auto	м
	4.4	4820 MHz					F	req Offs
Transm	it Freq Error	-3.984 kHz	OBW Power	99	0.00 %			0
x dB Ba	indwidth	4.937 MHz	x dB	-26.	00 dB			

	Band26	5MHz_0	QPSK_I	RB25	0_0	CH26	915	
Center Freq 836.5	DΩ DC	Center F Trig: Fre			IGN AUTO 0/10	04:26:15 P Radio Std Radio Dev		Frequency
10 dB/div Ref 30 200 200 100 0.00 200 200 200 200 200 200 200 200	.00 dBm				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			Center Fre 836.500000 MH
Center 836.5 MHz #Res BW 75 kHz		#VE	BW 240 kHz				n 7.5 MHz 1.333 ms	CF Ste 750.000 kH Auto Ma
Occupied Bar Transmit Freq E x dB Bandwidth	4.4745	MHz 360 kHz 00 MHz	Total Pow OBW Pow x dB		99	dBm .00 % 00 dB		Freq Offs 0+
/SG					STATUS			

Band26 5MHz QPSK RB25 0 CH27015

	trum Analyzer - Oco										- 0
Center Fre	eq 846.500			Center	ENSE:INT Freg: 846.500		ALIGN AUTO	Radio St	PM May 19, 2022 d: None	Fre	quency
		#IF	Gain:Low	Trig: Fr #Atten:		Avg Hol	d: 10/10	Radio De	vice: BTS		
10 dB/div	Ref Offset Ref 30.0										
20.0										с	enter Freq
10.0	1		- Manadhas	man	vermen	m				846.	500000 MHz
-10.0	- /							1			
-20.0											
-30.0	mmer								mm		
-40.0	_				-						
-50.0					-						
Center 84 #Res BW				#V	/BW 240 k	Hz		Spa Sweep	n 7.5 MHz 1.333 ms		CF Step 750.000 kHz
Occup	ied Band	width			Total P	ower	31.7	dBm		Auto	Man
		4.47	'8 <mark>9 M</mark> H	١z						F	req Offset
Transm	it Freq Err	or	63	Hz	OBW P	ower	99	.00 %			0 Hz
x dB Ba	ndwidth		4.860 M	IHz	x dB		-26.	00 dB			
MSG							STATUS	5		L	

Band26_5MHz_16QAM_RB25_0_CH26815

R Center Fro	RF 50 Ω DC eq 826.500000	MHz #IFGain:Low	Center	Freq: 826.50 ree Run 30 dB	0000 MHz Avg Hole	ALIGN AUTO	Radio St	PM May 19, 2022 d: None wice: BTS	Frequency
0 dB/div	Ref Offset 14.7 d Ref 30.00 dBr								
og 20.0 10.0 20							\ \ \ \ \	venster	Center Fre 826.500000 MH
Center 82 #Res BW			#\	/BW 240	kHz			in 7.5 MHz 1.333 ms	CF Ste 750.000 kH Auto Ma
Occup	ied Bandwidt 4.	th 4860 N	IHz	Total F	ower	31.0	dBm		Freq Offse
Transm	it Freq Error	-4.413	kHz	OBW F	ower	99	.00 %		он
v dB Ba	ndwidth	4.938	MHz	x dB		-26.	00 dB		

Band26 5MHz 16QAM RB25 0 CH26915

Better Freq 836.500000 MHz Center Freq 836.500000 MHz Radio Std: None Frequency BFGaint.ow BFGaint.ow Frequency Radio Std: None Radio Device: BTS Ra		trum Analyzer - Occ	upied BW									a 🕹
The Free Sun Aughled >10/10 Red 30.4 No.6 Red Device: BTS arCaint.ov Aughled >10/10 Red 30.4 No.6 Red Device: BTS arCaint.ov Aughled >10/10 Red 30.4 No.6	R							ALIGN AUTO			Erequer	
agram Ref 30.00 dBm 90	enter Fre	eq 836.500			Trig: Fre	e Run		l:>10/10			riequei	ic y
State State Center Fre 00 0	0 dB/div											
00 0 0 0 0 0 0 0 0 0 0 0 0 0	og 0.0										Cente	r Fre
0 0	0.0			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		m				
Image: constraint of the second sec	.00	- /							<u>N</u>			
Diameter Span 7.5 MHz Res BW 75 kHz Span 7.5 MHz Occupied Bandwidth Total Power 30.8 dBm 4.4772 MHz Freq Offs Transmit Freq Error 1.643 kHz OBW Power 99.00 %	0.0	S							\backslash			
Span Span 7.5 MHz enter 836.5 MHz #VBW 240 kHz Span 7.5 MHz Res BW 75 kHz #VBW 240 kHz Sweep 1.333 mS Occupied Bandwidth Total Power 30.8 dBm 4.4772 MHz Freq Offs Transmit Freq Error 1.643 kHz OBW Power 99.00 %	محمم ال	nn/							<u> </u>	m		
00 emter 836,5 MHz Res BW 75 kHz Sweep 1.333 ms Auto MHZ CCUpied Bandwidth 4.4772 MHz Transmit Freq Error 1.643 kHz OBW Power 99.00 %												
Bit Preventies Stress Stre												
Res BW 75 kHz #VBW 240 kHz Sweep 1.333 ms Late Occupied Bandwidth Total Power 30.8 dBm Mil Mil Mil 4.4772 MHz Freq Offs Freq Offs Freq Offs 0 i										7.6 1.0		
Occupied Bandwidth Total Power 30.8 dBm 4.4772 MHz Freq Offs Transmit Freq Error 1.643 kHz OBW Power 99.00 %					#VE	3W 240 k	Hz				750.0	
Transmit Freq Error 1.643 kHz OBW Power 99.00 %	Occup	ied Band	width			Total P	ower	30.8	dBm		Auto	Ma
Transmit Fred Error 1.643 KHZ OBW Fower 99.00 %			4.47	72 Mł	Ιz						Freq	Offs
x dB Bandwidth 4.872 MHz x dB -26.00 dB	Transm	it Freq Err	or	1.643 k	Hz	OBW P	ower	99	0.00 %			01
	x dB Ba	ndwidth		4.872 N	IHz	x dB		-26.	00 dB			

Band26 5MHz 16QAM RB25 0 CH27015

Keysight Spect	rum Analyzer - Occupied Bi RF 50 Q DC	V	SENSE:INT	ALIGN AUTO	04-42-50 0	M May 19, 2022	
	q 846.500000		Center Freq: 846.500000	MHz	Radio Sto		Frequency
		#IFGain:Low	Trig: Free Run A #Atten: 30 dB	vg Hold: 10/10	Radio De	vice: BTS	
10 dB/div	Ref Offset 14.7 d Ref 30.00 dBr						
-og 20.0							Center Fre
10.0	- m		www.www.		×		846.500000 M
0.00					A		
0.0					1		
20.0	+./-				$\left \right\rangle$		
30.0					····	mm	
40.0							
50.0							
50.0							
Center 840 Res BW			#VBW 240 kHz			n 7.5 MHz 1.333 ms	CF St 750,000 k
Occup	ied Bandwidt	h	Total Pov	ver 30.	7 dBm		<u>Auto</u> M
	4.	4775 MH	Z				Freq Offs
Transm	it Freq Error	-4.114 kH	z OBW Pov	ver 9	9.00 %		0
x dB Ba	ndwidth	4.877 MH	z xdB	-26	.00 dB		
ISG				STATU	IS		L

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Band26 5MHz 64QAM RB25 0 CH26815

	trum Analyzer - Occupied BW									- 8 -
R Center Fre	≋F 50Ω DC ອq 826.500000 M	AHz #IFGain:Low	Center F	ENSE:INT Freq: 826.5000 ee Run 30 dB	000 MHz Avg Hold	ALIGN AUTO	Radio Dev		F	requency
0 dB/div	Ref Offset 14.7 dE Ref 30.00 dBm									
09 10.0 10					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Center Fre
enter 82 Res BW			#V	BW 240 k	Hz			n 7.5 MHz 1.333 ms		CF Ste 750.000 ki
Occup	ied Bandwidt	^h 4941 Mi	Ηz	Total Po	ower	30.1	dBm		<u>Auto</u>	M: Freq Offs
	it Freq Error Indwidth	-5.839 4.919 N	κHz	OBW Po x dB	ower		0.00 % 00 dB			0 H

	RF 50 Ω DC q 836.500000	+	SENSE:INTI ALIGN AUTO 04:27:34 9M May 19, 2022 L Center Freq: 836.500000 MHz Radio Std: None FGain:Low Atten: 30 dB Radio Device: BTS							Frequency
) dB/div	Ref Offset 14.7 d Ref 30.00 dBr	в								
		www.			h	mm	\			enter Fre 00000 Mi
.0							1 1			
10										
nter 836. Res BW 75			 #VI	BW 240 k	Hz			1 7.5 MHz 1.333 ms	7	CF Sto 50.000 k
Occupie	ed Bandwidi 4	th 4909 M	Hz	Total P	ower	29.9	dBm		Auto	м
Transmit	t Freq Error	-1.089		OBW P	ower	99	.00 %		F	req Offs 0
x dB Ban	ıdwidth	4.892	MHz	x dB		-26.	00 dB			

Band26 5MHz 64QAM RB25 0 CH27015

	ctrum Analyzer - Occupied B	W				- 8 💌
Center Fr	eq 846.500000	Trig:	sense:INT er Freq: 846.500000 MHz Free Run Avg Hole n: 30 dB	R. d: 10/10	04:44:39 PM May 19,2022 adio Std: None adio Device: BTS	Frequency
10 dB/div Log	Ref Offset 14.7 d Ref 30.00 dB					
20.0				m		Center Freq 846.500000 MHz
-10.0						
-30.0						
-60.0 Center 84					Span 7.5 MHz	
#Res BW Occup	ied Bandwid		¥VBW 240 kHz Total Power	30.8 d	weep 1.333 ms Bm	750.000 kHz <u>Auto</u> Man
	4.	.4764 MHz				Freq Offset
Transn	nit Freq Error	3.253 kHz	OBW Power	99.0	0 %	0 Hz
x dB B	andwidth	4.885 MHz	x dB	-26.00	dB	
MSG				STATUS		

Band26 10MHz QPSK RB50 0 CH26840

R R	trum Analyzer - Occupied BW RF 50 Ω DC		SENSE:1	NT	ALIGN AUTO	03:39:37	PM May 19, 2022	
	eq 829.000000 M	/Hz #IFGain:Low	Center Freq:	829.000000 MHz n Avg Ho	ld:>10/10	Radio Sto Radio De	i: None	Frequency
0 dB/div	Ref Offset 14.7 dE Ref 30.00 dBm				_			
20.0 10.0 10.0 20.0 20.0 30.0 40.0			manna a	~~~~~		1		Center Fre 829.000000 MH
50.0 60.0 Center 82 Res BW 1			#VBW	510 kHz			an 15 MHz eep 1 ms	CF Ste 1,50000 MH
Occup	ied Bandwidt 8.	^h 9888 MH		otal Power	32.1	l dBm		Auto Ma Freq Offse
Transm	it Freq Error	11.684 k	Hz O	BW Power	99	.00 %		он
	ndwidth	9.762 M		dB	26	00 dB		

Band26 10MHz QPSK RB50 0 CH26915

	trum Analyzer - Occupied B	w							
Renter Fr	eq 836.500000		Center Fre Trig: Free			ALIGN AUTO	Radio Std		Frequency
		#IFGain:Low	#Atten: 30	dB			Radio Dev	rice: BTS	
dB/div	Ref Offset 14.7 Ref 30.00 dB								
9 0.0									Center Fre
	p~~		nn	******	***	munan	ļ		836,500000 MH
	/						1		
	/						1		
.0							7		
monor	monor						her	m	
.0									
.0									
enter 83 es BW 1	6.5 MHz 50 kHz		#VB	W 510 k	Hz			n 15 MHz ep 1 ms	CF Ste 1.500000 MH
Occup	ied Bandwid	th		Total P	ower	31.8	dBm		Auto Ma
	8	.9563 M⊦	z						Freq Offs
Transm	nit Freq Error	11.381 k	Hz	OBW P	ower	99	.00 %		01
x dB Ba	andwidth	9.643 M	Hz	x dB		-26.	00 dB		
									1

Band26 10MHz QPSK RB50 0 CH26990

Keysight Spect R	rum Analyzer - Occupied BV RF 50 Q DC	1	SENSE:INT	ALIGN AUTO	02-46-54 P	M May 19, 2022	
	eq 844.000000 I		r Freg: 844.000000 N	Hz	Radio Std		Frequency
	·	#IFGain:Low #Atte	Free Run Ave n: 30 dB	Hold: 10/10	Radio Dev	ice: BTS	
10 dB/div	Ref Offset 14.7 d Ref 30.00 dBn						
-og 20.0							Center Fre
10.0	pro		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	www.	۹		844.000000 MI
0.00					A		
10.0	+ $/-$				1		
20.0	and an and				- hanne	mm	
30.0						Trachana .	
40.0							
50.0							
60.0							
Center 84 Res BW 1		#	VBW 510 kHz			n 15 MHz ep 1 ms	CF Sto 1.500000 M
Occup	ied Bandwidt	h	Total Powe	r 32.	0 dBm		Auto M
	8.	9648 MHz					Freq Offs
Transm	it Freq Error	-2.405 kHz	OBW Powe	r 9:	9.00 %		0
x dB Ba	indwidth	9.680 MHz	x dB	-26	.00 dB		
ISG				STATU	IS		

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Band26 10MHz 16QAM RB50 0 CH26840

100 100 239,00000 h 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 000 100 100 100 <th>Keysight Spectrum Analyzer - Occup</th> <th></th> <th></th> <th></th> <th></th>	Keysight Spectrum Analyzer - Occup				
0 dB/dW Ref 30.00 dBm 0 dB/d Center F 529.00000 h 0 dB/d Center F 529.00000 h 0 dB/d Center F 529.00000 h 0 dB/d Center F 529.0000 h 0 dB/d Center F 5		enter Freq: 829.000000 M rig: Free Run Avg	lz	Radio Std: None	2 Frequency
00 Center F 00	0 dB/div Ref 30.00]
CF 53 CF 53 CF 53 CF 53 Span 15 MHz CF 53 Span 15 MHz Span 15 MHz Span 15 MHz CF 53 Span 15 MHz CF 53 Span 15 MHz Occupied Bandwidth Total Power 31.2 dBm 8.9594 MHz Freq Off Transmit Freq Error 14.632 kHz OBW Power 99.00 %	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Center Fre 829.00000 MH
Occupied Bandwidth Total Power 31.2 dBm 8.9594 MHz Freq Off Transmit Freq Error 14.632 kHz OBW Power 99.00 %		#VBW 510 kHz			
Transmit Freq Error 14.632 kHz OBW Power 99.00 %			r 31.2	dBm	
	-				01

	Band	26_10MHz	_16QAM_F	RB50_0	_CH26	5915	
CXI R	trum Analyzer - Occupied BW	MHz Cent →→→ Trig #IFGain:Low #Att	SENSE:INT ter Freq: 836.500000 MH; Free Run Avg + en: 30 dB	ALIGN AUTO z łołd: 10/10	03:42:44 PM Radio Std: Radio Devi		Frequency
10 dB/div Log 20.0 10.0 -10.0 -10.0	Ref 30.00 dBn		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Mayerson and			Center Freq 836.500000 MHz
-30.0					- M	nour	
Center 83 Res BW 1 Occup			#VBW 510 kHz Total Power	30.8		n 15 MHz ep: 1 ms	CF Step 1.500000 MHz <u>Auto</u> Man
	8.1 hit Freq Error andwidth	9194 MHz ^{19.420 kHz} 9.666 MHz	OBW Power x dB		0.00 % 00 dB		Freq Offset 0 Hz
MSG				STATU	5		

Band26 10MHz 16QAM RB50 0 CH26990

	ctrum Analyzer - Occupied I	BM						
Center Fr	req 844.000000		SENSE:INT Center Freq: 844.00 Trig: Free Run #Atten: 30 dB	0000 MHz Avg Hold	ALIGN AUTO	Radio Der		Frequency
10 dB/div	Ref Offset 14.7 Ref 30.00 dB							
20.0 10.0		masana.		harrows				Center Freq 844.000000 MHz
-10.0	own work					h h		
-30.0							m. wartour	
-60.0	14 MHz					Sna	ın 15 MHz	
Res BW 1			#VBW 510	kHz			eep 1 ms	CF Step 1.500000 MHz Auto Man
Occup	bied Bandwid 8	ith .9442 MH	Total F Z	ower	31.0	dBm		Freq Offset
	nit Freq Error andwidth	3.328 kH 9.658 MH		ower		.00 % 00 dB		0 Hz
MSG					STATUS	5		

Band26_10MHz_64QAM_RB50_0_CH26840

R R	trum Analyzer - Occupied BW RF 50 Ω DC		SENSE:INT	A	LIGN AUTO	03:40:39 P	M May 19, 2022	
Center Fro	eq 829.000000 I		enter Freq: 829.000 rig: Free Run	Avg Hold:	10/10	Radio Std		Frequency
		#IFGain:Low #	Atten: 30 dB			Radio Dev	rice: BTS	
0 dB/div	Ref Offset 14.7 di Ref 30.00 dBn							
.og 20.0								Center Fre
10.0		mannement	mmmmmmmmmm	m				829.000000 MI
0.00	A					Į		
10.0	/					1		
20.0						<u>}</u>	mm	
30.0	-warder					2000	a vour	
40.0								
50.0								
60.0								
Center 82						- Croo	n 15 MHz	
Res BW 1			#VBW 5101	(Hz			ep 1 ms	CF Ste 1.500000 MH
Occup	ied Bandwidt	h	Total P	ower	30.0	dBm		Auto Ma
	8.	9777 MHz	2					Freq Offs
Transm	it Freq Error	2.462 kH	Z OBW P	ower	99	.00 %		01
x dB Ba	ndwidth	9.784 MH	z xdB		-26.0	00 dB		

Band26_10MHz_64QAM_RB50_0_CH26915

	trum Analyzer - Occupied Bi	N				- d ×
R Tenter Fro	Freq 836.500000 MHz Center Freq: 836.500000 MHz Radio S				43:23 PM May 19, 2022 lio Std: None lio Device: BTS	Frequency
0 dB/div	Ref Offset 14.7 d Ref 30.00 dBr					
99 0.0 0.0			w	man		Center Fre 836.500000 MH
00						
).0).0					Januar	
0.0						
enter 83 es BW 1		#	VBW 510 kHz		Span 15 MHz Sweep 1 ms	CF Ste 1.500000 MH
Occup	ied Bandwid		Total Power	29.7 dB	m	<u>Auto</u> Ma
Transm	ð. Iit Freq Error	9304 MHz 8.495 kHz	OBW Power	99.00	%	FreqOffse 0 ⊦
	ndwidth	9.691 MHz	x dB	-26.00 c		

Band26 10MHz 64QAM RB50 0 CH26990

	m Analyzer - Occupied Bi	v					
	RF 50 Ω DC		SENSE:INT er Freg: 844.000000 MHz	ALIGN AUTO	03:48:06 P Radio Std	4 May 19, 2022	Frequency
Center Fred	844.000000			ld: 10/10	Radio Std	None	,
		#IFGain:Low #Atte	in: 30 dB		Radio Dev	ice: BTS	
	Ref Offset 14.7 d						
10 dB/div	Ref 30.00 dBr						
.og 20.0							
				and and			Center Fre
10.0	- P			a pro-city p			844.000000 MI
0.00					λ.		
10.0	1				1		
20.0	the off						
30.0	0.000				mo	VmV&elym	
40.0				_			
50.0							
60.0							
Center 844 Res BW 150			#VBW 510 kHz			n 15 MHz ep 1 ms	CF Ste
IS DW IJU		*	#VBW JIUKHZ		owe	· .	1.500000 M Auto M
Occupie	ed Bandwidt	th	Total Power	29.8	3 dBm		Auto M
		9570 MHz					
	0.	3370 WHZ					Freq Offs
Transmit	Freq Error	-7.381 kHz	OBW Power	99	9.00 %		0
x dB Ban	dwidth	9.744 MHz	x dB	-26	00 dB		
	awiaai	5.744 MITZ	XUD	-20.	00 00		
sg				STATU	s		

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SGS Taiwan Ltd.

t (886-2) 2299-3279

f (886-2) 2298-0488

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

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Band26 15MHz QPSK RB75 0 CH26865

	trum Analyzer - Occupied BW						
R enter Fre	RF 50Ω DC eq 831.500000 N	IHz #IFGain:Low	SENSE:INT Center Freq: 831.500000 Trig: Free Run A #Atten: 30 dB	ALIGN AUTO MHz vg Hold: 10/10	02:20:36 F Radio Std Radio Dev		Frequency
0 dB/div	Ref Offset 14.7 dB Ref 30.00 dBm						
og 10.0		_					Center Fre
0.0	mm	and a second and a second as	an manage and the star and a second		1		831.500000 MH
.00					R -		
0.0	maternal				۱ <u>۱</u>		
0.0					hurs	mar	
0.0							
0.0							
0.0					<u> </u>		
enter 83 es BW 2			#VBW 680 kHz			22.5 MHz ep 1 ms	CF Ste 2.250000 MI
Occup	ied Bandwidth	ı	Total Pow	ver 32.	0 dBm		Auto M
	13	.462 MH	z				Freq Offs
Transm	it Freq Error	27.987 kł	z OBW Pow	er 99	9.00 %		0
x dB Ba	indwidth	14.47 MH	lz xdB	-26	.00 dB		

	Ban	d26_15M	Hz_QPSK_	RB75_0_	CH269	915	
CXU R	trum Analyzer - Occupied 80 RF 50 Ω DC eq 836.500000	MHz	SENSE:INT enter Freq: 836.500000 rig: Free Run A Atten: 30 dB	ALIGN AUTO MHz vg Hold:>10/10	02:30:10 PM Radio Std: I Radio Devic	None	Frequency
10 dB/div Log	Ref Offset 14.7 d Ref 30.00 dBr						Center Freq
10.0 0.00 -10.0				- Andrew Contraction			836.500000 MHz
-20.0	nam d				~~	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
-60.0 Center 83 Res BW 2			#VBW 680 kHz			2.5 MHz	CF Step 2.250000 MHz
Occup	ied Bandwidt	th 3.384 MHz	Total Pow	ver 31.	8 dBm		Auto Man Freq Offset
	nit Freq Error andwidth	26.542 kH 14.46 MH			9.00 % .00 dB		0 Hz
MSG				STATL	15		

Band26 15MHz QPSK RB75 0 CH26965

	trum Analyzer - Oc							- d 💌
R Center Fre	eq 841.500			sense:INT er Freq: 841.500000 MHz	ALIGN AUTO	03:18:35 Radio St	PM May 19, 2022 d: None	Frequency
		#IF		Free Run Avg Ho an: 30 dB	old: 10/10	Radio De	vice: BTS	
10 dB/div	Ref Offsel Ref 30.0							
20.0	-	1.0°C 0. 0		weller and a state of the second				Center Freq
10.0		F		Care and the full of the second states				841.500000 MHz
0.00					-	ι.		
10.0						7		
20.0 30.0	and and a second					han	an Mar	
40.0								
50.0								
60.0								
Center 84	4.6 MU-						22.5 MHz	
Res BW 2			-	#VBW 680 kHz			eep 1 ms	CF Step 2.250000 MHz
Occup	ied Band	lwidth		Total Power	32.0	dBm		<u>Auto</u> Mar
		13.4	28 MHz					Freq Offset
Transm	it Freq Er	ror	4.682 kHz	OBW Power	99	.00 %		0 Ha
x dB Ba	ndwidth		14.43 MHz	x dB	-26.	00 dB		
1SG					STATUS	5		

Band26 15MHz 16QAM RB75 0 CH26865

R	RF 50 Ω DC		SENSE:INT	ALIGN AUTO	02:21:18 P Radio Std	M May 19, 2022	Frequency
Senter Fr	req 831.500000	Trig		12 Hold: 10/10			,
		#IFGain:Low #Att	en: 30 dB		Radio Dev	vice: BTS	
10 d <u>B/div</u>	Ref Offset 14.7 d Ref 30.00 dBi						
20.0							Center Fre
10.0	- mo	men manan	and the second second	and the second second			831,500000 MH
0.00	A				1		
10.0	1				1		
20.0 - مىرچە	manul				1		
30.0					1 mm	mmen	
40.0							
50.0							
60.0							
Center 83	31.5 MHz				Snan	22.5 MHz	
Res BW 2			#VBW 680 kHz			eep 1 ms	CF Ste 2.250000 MH
Occup	bied Bandwid	th	Total Power	· 31.0) dBm		Auto Ma
	1:	3.442 MHz					Freq Offs
Transn	nit Freq Error	15.437 kHz	OBW Power	99	9.00 %		01
x dB B	andwidth	14.62 MHz	x dB	-26.	00 dB		

Band26_15MHz_16QAM_RB75_0_CH26915

0 Center Fre 0 Center Fre <th>📕 Keysight Spect</th> <th>trum Analyzer - Occupied B</th> <th>w</th> <th></th> <th></th> <th></th> <th></th> <th> d</th>	📕 Keysight Spect	trum Analyzer - Occupied B	w					d
addidw Ref 30.00 dBm Center Fre 0			Trig:	r Freq: 836.500000 MHz Free Run Avg Hole		Radio Std	None	Frequency
Center Fr Span 22.5 MHz SBW 220 kHz #VBW 680 kHz Span 22.5 MHz SBW 220 kHz #VBW 680 kHz Sweep 1 ms Occupied Bandwidth Total Power 30.8 dBm Addo 13.382 MHz Transmit Freq Error 7.660 kHz OBW Power 99.00 %	0 dB/div							
0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0	- June	and	uner mouse and	nentra	1		Center Fre 836.500000 MH
Image: Constraint of the second sec						Ł		
Image: Section of the sectio	.0	www				n. wr	vnu-luting	
ss BW 220 kHz #VBW 680 kHz Sweep 1 ms Life 2 225000 M Occupied Bandwidth Total Power 30.8 dBm Auto Mit 13.382 MHz Freq Offs Freq Offs Freq Offs 0 h	0.0							
Occupied Bandwidth Total Power 30.8 dBm 13.382 MHz Freq Offs Transmit Freq Error 7.660 kHz OBW Power 99.00 % 0 ¹			#	VBW 680 kHz				CF Ste 2.250000 MH
Transmit Freq Error 7.660 kHz OBW Power 99.00 %	Occup			Total Power	30.8	dBm		_
x dB Bandwidth 14.53 MHz x dB -26.00 dB	Transm			OBW Power	99.	.00 %		
	x dB Ba	ndwidth	14.53 MHz	x dB	-26.0	00 dB		

Band26 15MHz 16QAM RB75 0 CH26965

	ectrum Analyzer - Occupied BW						- 8 -
R	RF 50 Ω DC		SENSE:INT	ALIGN AUTO	03:18:57 F Radio Std	M May 19, 2022	Frequency
enter F	req 841.500000 M	AHZ Cente	r Freq: 841.500000 MHz Free Run AvgiHg	d: 10/10	Radio Std	: None	riequency
		#IFGain:Low #Atter	n: 30 dB		Radio Dev	vice: BTS	
	D. 407						
0 dB/div	Ref Offset 14.7 dE Ref 30.00 dBm						
og					1		
20.0		manna					Center Fr
10.0		The second second second	- manual and a second	and the second	1		841.500000 M
0.00	A				R.		
10.0				_	1		
20.0	Y			_	$ \rangle$		
30.0 00000	hamment				mon	- Marshurson	
40.0						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
50.0							
50.0							
enter 8	41.5 MHz				Span	22.5 MHz	
tes BW	220 kHz	#	VBW 680 kHz			eep 1 ms	CF St 2.250000 M
-							Auto N
Occu	pied Bandwidt	h	Total Power	31.	0 dBm		
	13	.405 MHz					Freq Offs
Transi	mit Freq Error	-9.550 kHz	OBW Power	99	9.00 %		0
v dB B	Bandwidth	14.53 MHz	x dB	-26	.00 dB		
		14100 11112		-20			
sg				STATU	e		
~				SIATO	~		

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t (886-2) 2299-3279

f (886-2) 2298-0488



Report No.: TERF2204000399E2 Page: 104 of 237

Band26 15MHz 64QAM RB75 0 CH26865

	trum Analyzer - Occupied Bi	v				
R Center Fro	RF 50 Ω DC eq 831.500000	+++++	SENSE:INT Center Freq: 831.5000 Trig: Free Run #Atten: 30 dB	ALIGN AUTO 00 MHz Avg Hold: 10/10	Radio Std: None Radio Device: B	Frequency
0 dB/div	Ref Offset 14.7 d Ref 30.00 dBn					
99 0.0 0.0		Anno an anna	han and the second s	ware and the	1	Center Fre 831.500000 MH
00		_				_
0.0 0.0 0.0	www.				- Commence	~~
0.0						
enter 83 es BW 2			#VBW 680 kl		Span 22.5 Sweep 1	
Occup	ied Bandwidt		Total Po	ower 30.	0 dBm	Auto M
Transm	ी । hit Freq Error	3.435 MH		wer 9	9.00 %	Freq Offs 0
	andwidth	14.56 MH			.00 dB	

Variaht Sara	Banc ctrum Analyzer - Occupied BV	26_15MHz_	_64QAM_RE	3/5_0	_CH2	6915	- 8 ×
CNU R	RF 50 Ω DC req 836.500000 I	MHz Center →→→ Trig: F	SENSE:INT Freq: 836.500000 MHz Free Run Avg Hol :: 30 dB	ALIGN AUTO d: 10/10	02:49:29 F Radio Std Radio Dev		Frequency
10 dB/div	Ref Offset 14.7 d Ref 30.00 dBn						
20.0 10.0		ne water	and the second	ronsk-mel			Center Freq 836.500000 MHz
-10.0					<u>\</u>		
-30.0 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Annand P				Sand	berroom	
-50.0							
Center 83 Res BW 2		#	VBW 680 kHz			22.5 MHz eep 1 ms	CF Step 2.250000 MHz
Occup	oied Bandwidt	h	Total Power	29.8	dBm		<u>Auto</u> Man
	13	3.372 MHz					Freq Offset
Transm	nit Freq Error	22.747 kHz	OBW Power	99	.00 %		0 Hz
x dB Ba	andwidth	14.56 MHz	x dB	-26.	00 dB		
MSG				STATUS	5		<u> </u>

Band26 15MHz 64QAM RB75 0 CH26965

	rum Analyzer - Occupied I					
Center Fre	RF 50 Ω DC eq 841.500000	MHz Cente Trig: F	SENSE:INT r Freq: 841.500000 MHz Free Run Avg Hole h: 30 dB	Radio d: 10/10	37 PM May 19, 2022 Std: None Device: BTS	Frequency
10 dB/div	Ref Offset 14.7 Ref 30.00 dB			, <u>,</u>		
20.0		momena	-	man		Center Freq 841.500000 MHz
0.00						
-20.0 -30.0 איזיאיי	war week				and the state of t	
-50.0						
-60.0 Center 84*	1.5 MHz			Sn	an 22.5 MHz	
Res BW 22		#	VBW 680 kHz		Sweep 1 ms	CF Step 2.250000 MHz Auto Man
Occup	ied Bandwid 1	^{ith} 3.400 MHz	Total Power	29.9 dBm		
Transm	it Freq Error	-357 Hz	OBW Power	99.00 %		Freq Offset 0 Hz
x dB Ba	ndwidth	14.43 MHz	x dB	-26.00 dE	3	
ISG				STATUS		

Band41 5MHz QPSK RB25 0 CH39675

td: None	Frequency
levice: BTS	
	Center Fre
_	2.498500000 GH
Normanna and	
din hub	
_	
an 7.5 MHz 0 1.333 ms	
5 1.333 ms	750.000 kH Auto Ma
	Freq Offs
	0 H

Band41 5MHz QPSK RB25 0 CH40620

📕 Keysight Spectr											- d ×
R Center Fre	RF 50 Ω q 2.59300		łz	Center F	NSE:INT req: 2.59300 e Run	0000 GHz Avg Hold	ALIGN AUTO	02:40:52 F Radio Std	M May 23, 2022 : None	Fr	equency
		#F	Gain:Low	#Atten: 3	0 dB			Radio Dev	vice: BTS		
10 dB/div	Ref Offset Ref 30.00										
-og 20.0										6	enter Free
10.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	······	******		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				2.593	3000000 GH
0.00	- /							1			
10.0	mm							MAN	10 m		
20.0 30.0	ur v								᠕ᠿᡣᠬᢦᡪ		
40.0											
50.0	_										
50.0	_										
enter 2.5 Res BW 7				#VE		Hz			n 7.5 MHz 1.333 ms		CF Ste 750.000 kH
Occupi	ed Band	width			Total P	ower	32.1	dBm		<u>Auto</u>	750.000 KH Ma
		4.47	65 MI	١z							=req Offse
Transmi	it Freq Err	or	4.202	Hz	OBW P	ower	99	.00 %			0 H
x dB Ba	ndwidth		4.914 N	IHz	x dB		-26.	00 dB			

Band41 5MHz QPSK RB25 0 CH41565

	um Analyzer - Occupied BW	1					
	RF 50 Ω DC q 2.687500000		SENSE:INT er Freq: 2.687500000 GH		Radio Std	M May 23, 2022	Frequency
	Q 2.007000000	Trig:	FreeRun Avg H m:30 dB	old: 10/10	Radio Dev	vice: BTS	
0 dB/div	Ref Offset 15.1 di Ref 30.00 dBn						
og 20.0							Center Fr
0.0	m		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1		2.687500000 G
0.00	<u> </u>				1		
0.0	0.00						
0.0 WW	MM				1 1 10	MArm	
0.0							
0.0							
50.0							
Center 2.68 ResBW 7		;	#VBW 240 kHz			n 7.5 MHz 1.333 ms	CF St 750.000 k
Occupi	ed Bandwidt	h	Total Power	31.	9 dBm		<u>Auto</u> M
	4.	4722 MHz					Freq Offs
Transmi	it Freq Error	2.790 kHz	OBW Power	9	9.00 %		0
x dB Bar	ndwidth	4.903 MHz	x dB	-26	.00 dB		
sg				STATU	IS		

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SGS Taiwan Ltd.

t (886-2) 2299-3279 f (886-2) 2298-0488

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

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Report No.: TERF2204000399E2 Page: 105 of 237

Band41 5MHz 16QAM RB25 0 CH39675

United Fired Z-390500000 GHZ Trig: Free Run ArgHidd>10100 Radia Device: BTS 10 dibility Ref Offset 16.1 dB Ref 30.00 dBm <	
00 GB/G/W Ref 30.00 dBm	equency
200 C 2,499 CHz Span 7.5 MHz	
100 200 m m m m m m m m m m m m m m m m m m	enter Fre
enter 2.499 GHz Span 7.5 MHz	
enter 2.499 GHz Span 7.5 MHz	
	CF Ste 750.000 kl
Occupied Bandwidth Total Power 31.2 dBm	750.000 k M
4.4874 MHz F Transmit Freq Error - 3.232 kHz OBW Power 99.00 %	req Offs ۱۱
x dB Bandwidth 5.006 MHz x dB -26.00 dB	

Keusioht Spectra	D'IIC um Analyzer - Occupied BW		16QAM_RB	25_0_		J020		8 ×
R	RF 50 Ω DC q 2.593000000	Trig: F	SENSE:INT Freq: 2.593000000 GHz Free Run Avg Hol : 30 dB	ALIGN AUTO d: 10/10	02:41:10 Radio Sto Radio Der		Frequ	
0 dB/div	Ref Offset 15.1 dB Ref 30.00 dBm							
og 20.0 10.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		~~~~~~~~			Cent 2.593000	ter Fre 1000 GH
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	amono					horm		
0.0						4.00000		
0.0								
enter 2.59 Res BW 7		#	VBW 240 kHz			n 7.5 MHz 1.333 ms	750	CF Ste
Occupie	ed Bandwidth	, 1900 MHz	Total Power	31.1	1 dBm		Auto	Ма
Transmit	4.4 t Freq Error	51 Hz	OBW Power	99	9.00 %		Free	qOffso 0⊦
x dB Bar	ndwidth	4.940 MHz	x dB	-26.	00 dB			
G				STATU	s			

Band41 5MHz 16QAM RB25 0 CH41565

	rum Analyzer - Occupied Bi	v					- 2 🐱
W R	RF 50 Ω DC		SENSE:INT nter Freg: 2,687500000	ALIGN AUTO	02:54:00 Radio Sto	PM May 23, 2022	Frequency
Center Fre	q 2.68750000	Tr Tr	ig: Free Run Av	g Hold: 10/10			
		#IFGain:Low #A	tten: 30 dB		Radio De	vice: BTS	
10 dB/div	Ref Offset 15.1 d Ref 30.00 dBr						
20.0							Center Freq
10.0	m	man	m	~~~~~~	-		2.687500000 GHz
0.00					N I		2.0070000000112
-10.0	1				N		
	M				1		
-20.0 MJMM	~~				~~~~	www.	
-30.0							
-40.0							
-50.0							
-60.0							
Center 2.6	88 GH7				Sna	n 7.5 MHz	
#Res BW			#VBW 240 kHz			1.333 ms	CF Step 750,000 kHz
Occup	ied Bandwidt	h	Total Powe	er 31.1	1 dBm		<u>Auto</u> Man
	4.	4856 MHz					Freq Offset
Transm	it Freq Error	-3.281 kHz	OBW Powe	er 99	9.00 %		0 Hz
x dB Ba	ndwidth	5.025 MHz	x dB	-26.	.00 dB		
MSG				STATU	s		

Band41 5MHz 64QAM RB25 0 CH39675

enter F	RF 50 Ω Freq 2.498500	0000 GH	lz Gain:Low	Center		00000 GHz Avg Hold	ALIGN AUTO	Radio Sto		Frequen	су
10 dB/div Log 10.0 .0	Ref Offset 1 Ref 30.00							1000		Cente: 2.49850000	
#Res BW	2.499 GHz 75 kHz pied Bandy				BW 240 I Total P		30.4		n 7.5 MHz 1.333 ms	CF 750.00 <u>Auto</u>	Ste 00 kH Ma
	mit Freq Erro 3andwidth		19 MH -3.520 H 4.881 M	(Hz	OBW P x dB	ower		.00 % 00 dB		Freq	Offse 0 H

Band41 5MHz 64QAM RB25 0 CH40620

	trum Analyzer - Oco										
R	RF 50 Ω				INSE:INT		ALIGN AUTO		PM May 23, 2022	Fr	equency
enter Fre	∍q 2.59300	0000 G	Hz		req: 2.59300	AvalHold	- 10/10	Radio St	d: None	1 "	equency
		#1	Gain:Low	#Atten:		Avginoid	. 10/10	Radio De	vice: BTS		
	Ref Offset										
odB/div og	Ref 30.0	0 dBm									
0.0											Center Fro
10		m	hann	man	ham	mon	man				
	1							1		2.69	3000000 GI
00	1							1			
0.0	1							1	-		
0.0 000 /	mppn							- Ing			
1.0								64	www.		
.0											
0.0			-								
.0											
enter 2.5									ın 7.5 MHz		CF Ste
Res BW	75 kHz			#V	BW 240 H	Hz		Sweep	1.333 ms		750.000 k
-					Total P			2 dBm		Auto	M
Occup	ied Band	width			l otal P	ower	30.4	asm			
		4.49	930 MH	-Iz							Freq Offs
											01
Transm	it Freq Err	or	-1.289 k	(Hz	OBW P	ower	99	0.00 %			01
v dB Ba	ndwidth		4.877 M	IH7	x dB		-26	00 dB			
	mawiatii		4.077 1		X UD		-20.	00 08			

Band41 5MHz 64QAM RB25 0 CH41565

Keysight Spectrum Analyzer - Occupied R RF 50 Ω DC		SENSE:INT	ALIGN AUTO	02:54:37 PM		Frequency
enter Freq 2.68750000	Trig: I	r Freq: 2.687500000 GHz Free Run Avg Hol 1: 30 dB	ld: 10/10	Radio Std: I Radio Devic		requirey
Ref Offset 15.1 0 dB/div Ref 30.00 dE	dB					
og 20.0						Center Fr
/	mann		m			2.687500000 G
0.00			1	\		
0.0 min min Mar				Jam		
0.0				- 111	n nonn	
0.0						
30.0						
enter 2.688 GHz				Snan	7.5 MHz	
Res BW 75 kHz	#	VBW 240 kHz	\$.333 ms	CF St 750.000 k
Occupied Bandwig	lth	Total Power	30.2 (:IBm		Auto N
4	.4857 MHz				ĺ	Freq Offs
Transmit Freq Error	-411 Hz	OBW Power	99.0	00 %		0
x dB Bandwidth	4.884 MHz	x dB	-26.00) dB	[
sG			STATUS		L	

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Band41_10MHz_QPSK_RB50_0_CH39700

Center Freq 2.501000000 GHz Center Freq 2.50100000 GHz Radio Stat: None #Ref 0ffret 15, 160 Frequence 0 #Frequence #Ref 0ffret 15, 160 Radio Stat: None #Atter: 30 dB Radio Stat: None Radio Device BTS Frequence 0 #Ref 0ffret 15, 160 Radio Stat: None #Atter: 30 dB Avg/Hold: 1010 Radio Stat: None Radio Device BTS Frequence 0 #Ref 0ffret 15, 160 Center Center Center Center 0 #Weight 100 #Weight 100 Weight 100 Center Center 0 #Weight 100 #Weight 100 Weight 100 Weight 100 Center 0 #Weight 100 #Weight 100 Weight 100 Center Center 0 #Weight 100 #Weight 100 Weight 100 Center Center 0 #Weight 100 #Weight 100 Weight 100 Center Center Center 0 #Weight 100 #Weight 100 Weight 100 Center Center Center Sepan 15 MHz 0 #Weight 100 #Weight 100 Weight 100	Keysight Spectrum Analy					
Orozenia Center 200	enter Freq 2.5		Center Freq: 2.5010	00000 GHz	Radio Std: None	Frequency
200 Center 25000000 200 Center 250100000 200 C	0 dB/div Ref					
000 000 <td>0.0</td> <td>howward</td> <td>wwwwwwww</td> <td>Annanangang</td> <td>ra</td> <td>Center Fre 2.501000000 GH</td>	0.0	howward	wwwwwwww	Annanangang	ra	Center Fre 2.501000000 GH
۵۵۵ ۲۰۰۰ ۲۰۰ ۲۰۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰۰ ۲۰	0.0				- Na	
Bit International Content of Con	0.0 MAAAAAAAA	n ^{wu}			Jan San San San San San San San San San S	7 ~~
Res BW 150 kHz Sweep 1 ms CCP 1500000 Occupied Bandwidth Total Power 28.1 dBm Auto 8.9212 MHz Freq O Transmit Freq Error 242 Hz OBW Power 99.00 %						
Occupied Bandwidth Total Power 28.1 dBm 8.9212 MHz Freq O Transmit Freq Error 242 Hz OBW Power 99.00 %			#VBW 510	kHz		
Transmit Freq Error 242 Hz OBW Power 99.00 %	Occupied B			Power 21	8.1 dBm	
	Transmit Free			ower	99.00 %	Freq Offs 0 H
x dB Bandwidth 9.499 MHz x dB -26.00 dB	x dB Bandwid	dth 9.499	MHz x dB	-2	6.00 dB	

	Band	d41_10MHz	QPSK_RB	50_0_	CH40620	
Center Fro	trum Analyzer - Occupied BW RF 50 Ω DC eq 2.593000000 Ref Offset 15.1 dE	GHz Centa #FGain:Low #Atte	SENSE:INT Freq: 2.693000000 GHz Free Run Avg Hol n: 30 dB	ALIGN AUTO d: 10/10	02:00:05 PM May 23, 2022 Radio Std: None Radio Device: BTS	Frequency
-30.0 -40.0 -50.0	Ref 30.00 dBm				wwwwwwwww	Center Freq 2.593000000 GHz
Center 2.5 Res BW 1			≭VBW 510 kHz	32.2	Span 15 MHz Sweep 1 ms 2 dBm	
Transm		9 694 MHz 9.339 kHz 9.705 MHz	OBW Power x dB	99	9.00 % 00 dB	Freq Offset 0 Hz
MSG				STATU	s	

Band41_10MHz_QPSK_RB50_0_CH41540

	Spectrum Analyzer - Occ		_			_		-		
<mark>04</mark> ℝ Center I	RF 50 Ω Freq 2.68500		z	Center F	NSE:INT req: 2.68500		ALIGN AUTO	Radio Std	M May 23, 2022 None	Frequency
		#IFC	iain:Low	#Atten: 3		Atginoid	. 10/10	Radio Dev	ice: BTS	
10 dB/div	Ref Offset Ref 30.00									
20.0		mound	manna	nunn	in an	Mananna	norman			Center Freq
0.00								h		2.685000000 GHz
-10.0								h hhu i		
-20.0 -30.0	wallellan							ողիս	typ some of	
-40.0										
-50.0										
	2.685 GHz							0	n 15 MHz	
	150 kHz			#VE	3W 510 k	Hz			ep 1 ms	CF Step 1.500000 MHz
Occu	upied Band	width			Total P	ower	32.0) dBm		<u>Auto</u> Man
		8.95	67 MH	١z						Freq Offset
Trans	smit Freq Err	or	-2.335	Hz	OBW P	ower	99	0.00 %		0 Hz
x dB	Bandwidth		9.671 N	IHz	x dB		-26.	00 dB		
MSG							STATUS	5		

Band41_10MHz_16QAM_RB50_0_CH39700

enter F	RF 50 Ω DC req 2.501000000		Center Freq: 2.501000000 GHz Trig: Free Run Avg Hold: 10/10			ALIGN AUTO	Radio Dev		Frequency
10 dB/div -og 20.0 10.0 10.0 20.0 20.0 20.0 30.0 •у-ЪА 40.0	Ref Offset 161 dil Ref 30.00 dBn		- Antily June	hundull	Partonento	wy1/m1	Monte	per wordsen	Center Fre 2.501000000 GH
Res BW	pied Bandwidt			/BW 510 kl		26.9		n 15 MHz eep 1 ms	CF Ste 1.500000 MH Auto Ma
	8.9970 N ransmit Freq Error -8.12 dB Bandwidth 9.359		kHz	OBW Power		99.00 % -26.00 dB			Freq Offs 0 H

Band41_10MHz_16QAM_RB50_0_CH40620

📕 Keysight Spectr							ALIGN AUTO		M May 23, 2022	- d 💌
R Center Fre	RF 50 Ω 9 q 2.59300	00000 GH	lz Gain:Low	Center F		Frequency				
0 dB/div	Ref Offset Ref 30.0									
og 20.0 10.0	,	mm	~~~~~			ᠬ᠕᠆᠕	and a more	1		Center Fre 2.593000000 GH
0.0 0.0 <mark>Mailyahan</mark> 0.0	maryny							parthela	maria	
0.0										
enter 2.5 es BW 15				#V	BW 510 k	Hz			n 15 MHz eep 1 ms	CF Ste 1,50000 MH
Occupi	Occupied Bandwidth 8.9387 MHz				Total Power 31			3 dBm		Auto M
Transmit Freq Error x dB Bandwidth		16.040 H 9.593 N	kHz OBW Power		ower	99.00 % -26.00 dB			Freq Offse 0 H	

Band41 10MHz 16QAM RB50 0 CH41540

Center Freq 2.68500000 GHz Center Freq 2.88500000 GHz Radio Stati know #Ef Offset 15 1 dB #Grant_ow #Grant_ow Avg/Hold: 1010 Radio Device: BTS 00 dB/dt Ref 30.00 dBm Grant_ow Tree (2.88500000 GHz Center 2.88500000 GHz	8										m Analyzer - Oc		
Control Trig: Free Run #Atten: 30 ArgiHeid: 1010 Radio Device: BTS 0.6 diddiv Ref 00ffset 15.1 dB Ref 00ffset 15.1 dB Ref 00ffset 15.1 dB 0.6 diddiv Ref 30.00 dbm Ref 30.00 dbm Ref 30.00 dbm 0.0 diddiv Ref 30.00 dbm Ref 30.00 dbm Ref 30.00 dbm 0.0 diddiv Ref 30.00 dbm Ref 30.00 dbm Ref 30.00 dbm 0.0 diddiv Ref 30.00 dbm Ref 30.00 dbm Ref 30.00 dbm 0.0 diddiv Ref 30.00 dbm Ref 30.00 dbm Ref 30.00 dbm 0.0 diddiv Ref 30.00 dbm Ref 30.00 dbm Ref 30.00 dbm 0.0 diddiv Ref 30.00 dbm Ref 30.00 dbm Ref 30.00 dbm 0.0 diddiv Ref 30.00 dbm Ref 30.00 dbm Ref 30.00 dbm 0.0 diddiv Ref 30.00 dbm Ref 30.00 dbm Ref 30.00 dbm 0.0 diddiv Ref 30.00 dbm Ref 30.00 dbm Ref 30.00 dbm 0.0 diddiv Ref 30.00 dbm Total Power 31.5 dBm 0.0 ccupied Bandwidth Total Power 31.5 dBm Freq 00	ency	Frequ			ALIGN AUTO				Hz				ent
O delaw Ref 30.00 dBm Center 00 0 <th></th> <th>ce: BTS</th> <th colspan="4"></th> <th>🚽 Trig: Fr</th> <th>→</th> <th></th> <th>12.00500</th> <th></th> <th>.0110</th>		ce: BTS					🚽 Trig: Fr	→		12.00500		.0110	
Ccupied Bandwidth 0 Ccupied Bandwidth 8.9433 MHz Ccupied Bandwidth												/div	
2.6850000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								No. Observe	-	(Dec Cert			90.0
Organization O	0000 G	2.685000		1						1			
00 <				1						1	1		
Occupied Bandwidth Total Power 31.5 dBm Occupied Bandwidth Total Power 31.5 dBm		Í	m mana	""In the							Armal	A M	
Image: Constraint of the second se		Í	- 100 fts	11							-04/- III.	- willing	0.0
Image: Constraint of the second se		i i											
enter 2.685 GHz es BW 150 kHz Span 15 MHz GCcupied Bandwidth Total Power 31.5 dBm 8.9433 MHz FreqC		Í											
tes BW 150 kHz #VBW 510 kHz Sweep 1 ms Occupied Bandwidth Total Power 31.5 dBm 8.9433 MHz FreqC		Í							_	-			50.0
tes BW 150 kHz = #VBW 510 kHz = Sweep 1 ms Occupied Bandwidth = Total Power 31.5 dBm 8.9433 MHz = FreqC			16 MHz								6 0 117	or 160	1
Occupied Bandwidth Total Power 31.5 dBm 8.9433 MHz FreqC	CF St 0000 M					#VBW 510 kHz							
8.9433 MHz Freq		Auto		dBm	31.5	Total Power				Occupied Bandwidth			
Transmit Freg Error 9.869 kHz OBW Power 99.00 %	q Offs	Fre	ĺ					Hz	433 M				-
	0	1		.00 %	99	ower	OBW P	kHz	9.869	Transmit Freq Error			
x dB Bandwidth 9.992 MHz x dB -26.00 dB				00 dB	-26.		x dB	MHz	9.992 1		dwidth	dB Ban	x
sg				5	STATUS								sg

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Report No.: TERF2204000399E2 Page: 107 of 237

Band41 10MHz 64QAM RB50 0 CH39700

	um Analyzer - Occupied Bi	1					
R Center Free	q 2.501000000	Trig	sense:INT er Freq: 2.501000000 Gi Free Run Avg en: 30 dB	ALIGN AUTO Hz Hold: 10/10	Radio Std		Frequency
0 dB/div	Ref Offset 15.1 d Ref 30.00 dBr						
og 20.0 10.0	mu	and and a start and a start and a start	un por and the former	- Arton March			Center Fre 2.501000000 GH
0.0					1		
0.0 0.0 0.0	NAMACIA				1 WWWWW	^e www.	
enter 2.50)1 GHz				Spa	n 15 MHz	
es BW 15			#VBW 510 kHz			ep 1 ms	CF Ste 1.500000 M
Occupi	ed Bandwidt		Total Power	26.1	1 dBm		Auto M
	8.	9446 MHz					Freq Offs
Transmit	t Freq Error	-20.623 kHz	OBW Power	99	9.00 %		0
x dB Bar	ndwidth	9.438 MHz	x dB	-26	.00 dB		

	Band	41_10MHz_	_64QAM_RE	350_0	CH4	0620	
CXU R	trum Analyzer - Occupied BW RF 50 Ω DC eq 2.593000000	GHz Cente	SENSE:INT r Freq: 2.593000000 GHz Free Run Avg Hol h: 30 dB	ALIGN AUTO	02:01:10 P Radio Std Radio Dev		Frequency
10 dB/div Log 20.0 .000 -20.0 φτριτ ^μ ρήτ -30.0 -40.0 -50.0	Ref Offset 15.1 dl Ref 30.00 dBn				What	angar kananya	Center Freq 2.593000000 GHz
Center 2.4 Res BW 1			VBW 510 kHz	30.2		n 15 MHz sep 1 ms	CF Step 1.500000 MHz Auto Man
Transm		n 9558 MHz 5.567 kHz 10.01 MHz	OBW Power x dB	99	.00 % 00 dB		Freq Offset 0 Hz
MSG				STATUS			

Band41 10MHz 64QAM RB50 0 CH41540

	trum Analyzer - Occupied B					
🕅 R Center Fra	RF 50 Ω DC eq 2.68500000		SENSE:INT r Freq: 2.685000000 GHz	ALIGN AUTO	02:18:26 PM May 23, 2 Radio Std: None	Frequency
	2.00000000	Trig: f	Free Run Avg Holo n: 30 dB		Radio Device: BTS	
10 dB/div	Ref Offset 15.1 Ref 30.00 dB					
20.0						Center Freq
10.0		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and a second and a second s	mon		2.685000000 GHz
0.00				1		_
-10.0	Marine Wel				Mr.	
-2000 WYW	m .				. Multula	16.
-40.0						
-50.0						
-60.0						
Center 2.6 Res BW 1		#	VBW 510 kHz		Span 15 M Sweep 1	Hz CF Step ns 1.500000 MHz
Occup	ied Bandwid	th	Total Power	30.0 (dBm	Auto Man
	8	.9594 MHz				Freq Offset
Transm	it Freq Error	-7.312 kHz	OBW Power	99.0	00 %	0 Hz
x dB Ba	ndwidth	10.09 MHz	x dB	-26.00) dB	
MSG				STATUS		
				31/103		

Band41_15MHz_QPSK_RB75_0_CH39725

R Center F	req 2.503500000	GHz	Center	SENSE:INT ALIGN AUTO 11:47:01 AM May 23, 202 enter Freq: 2.603500000 GHz Radio Std: None rig: Free Run Avg Hold: 10/10 Atten: 30 dB Radio Device: BTS					Frequency
0 dB/div	Ref Offset 15.1 d Ref 40.00 dBr	в	#Action	. 30 08			Radio Dei	ice. B13	
09 30.0 20.0 10.0 10.0 20.0 20.0 20.0 20.0 2	All Market and All Market						Mar Mar	WADAWAYU,	Center Fre 2.503500000 GH
Son Center 2 Res BW	.504 GHz 220 kHz		#	VBW 680 F	Hz			22.5 MHz eep 1 ms	CF Stej 2.250000 MH Auto Ma
Occu	pied Bandwidt 13	^h 3.446 M	Hz	Total P	ower	32.4	dBm		Freq Offse
			.566 kHz OBW Power			.00 %		0 H	
x dB E	Bandwidth	14.75	MHz	x dB		-26.	00 dB		

Keysight Spect	trum Analyzer - Occ	upied BW								
R	RF 50 Ω				NSE:INT		ALIGN AUTO		M May 23, 2022	Frequency
enter Fre	eq 2.59300	10000 GI	Hz	Center F Trig: Fre	req: 2.5930	00000 GHz Avg Hol		Radio Std	: None	Frequency
		#16	Gain:Low	#Atten: 3		Avginoi	3. 10/10	Radio Dev	ice: BTS	
	Ref Offset	15.1 dB								
0 dB/div og	Ref 30.0	0 dBm								
0.0	_									Center Fre
1.0		New Second	errow we want	and the second	44.00000		ad warmen	1		2.593000000 G
00	- /							N.		
.0	. 1. หรือป							MANA		
᠈ᡁᠰᡵᡅ	pla havina							- PYD	~~\WW/~	
.0										
.0										
0.0										
enter 2.5						-			22.5 MHz	CF Ste
esBW/2	20 kHz			#VE	3W 680	kHz		Swe	eep 1 ms	2.250000 MH
Occup	ied Band	width			Total F	Power	32.1	1 dBm		Auto Ma
			68 MI	47						
										Freq Offs
Transm	it Freq Err	or	37.717	κHz	OBW F	ower	99	9.00 %		
x dB Ba	ndwidth		14.52 N	IHz	x dB		-26.	00 dB		

Band41 15MHz QPSK RB75 0 CH41515

	ctrum Analyzer - Occupied Bi	v					@
R Center Er	RF 50 Ω DC	CH7 Cente	SENSE:INT r Freq: 2.682500000 GHz	ALIGN AUTO	01:38:19 P Radio Std	M May 23, 2022	Frequency
	184 2.002500000	Trig:		ld: 10/10	Radio Dev	rice: BTS	
0 dB/div	Ref Offset 15.1 d Ref 30.00 dBr						
.og 20.0							Center Fr
10.0	- m	well - mention and her was	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	man	1		2.682500000 G
0.00					R.		
10.0	. a. Mart				MAG	MANN	
0.0 ~~~~ 0.0	www.while				- w/W	h IIMiAM	
40.0							
50.0							
60.0							
Center 2. Res BW 2		#	VBW 680 kHz			22.5 MHz ep 1 ms	CF Sto 2.250000 M
Occur	pied Bandwidt	h	Total Power	32.	2 dBm		<u>Auto</u> M
	13	3.475 MHz					Freq Offs
Transn	nit Freq Error	20.591 kHz	OBW Power	99	9.00 %		0
x dB B	andwidth	15.06 MHz	x dB	-26	.00 dB		
sg				STATU	e		
				onaro	1		

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Band41 15MHz 16QAM RB75 0 CH39725

	um Analyzer - Occupied BW								
R enter Free	q 2.503500000		Center	SENSE:INT ALIGN AUTO 03:44:33 PM May 23, 2022 Center Freq: 2.503500000 GHz Radio Std: None Trig: Free Run Avg Hold: 10/10 #Atten: 30 dB Radio Device: BTS Radio Device: BTS Radio Device: BTS					Frequency
0 dB/div	Ref Offset 15.1 dE Ref 30.00 dBm								
og 0.0 0.0	patherin	rbman_184007-4		www.www.		m			Center Fre 2.503500000 GH
.00 0.0 0.0 MMM A	ard Mor		-				h.		
20 20 20 400 11 (24 -	c[40 · F						*WVW*	the of the way we	
.0 .0									
enter 2.50 es BW 22			#	VBW 680 k	Hz			n 22.5 MHz reep 1 ms	CF Ste 2.250000 M
Occupi	ed Bandwidt			Total P	ower	31.4	l dBm		Auto M
Transmit	t Freq Error	439 M. 3.026-		OBW P	ower	99	0.00 %		Freq Offs 01
x dB Bar	ndwidth	15.73	MHz	x dB		-26.	00 dB		

Band	d41_15MHz_	16QAM_RE	375_0	_CH40620	
Keysight Spectrum Analyzer - Occupied B R R RF 30 Ω DC Center Freq 2.593000000) GHz Center	SENSE:INT Freq: 2.593000000 GHz ree Run Avg Hold : 30 dB	ALIGN AUTO	01:29:18 PM May 23, 202 Radio Std: None Radio Device: BTS	2 Frequency
Ref Offset 15.1 c 10 dB/div Ref 30.00 dBr 200 000 000 -200 dBr -200 dB				Muning Crapes	Center Freq 2.593000000 GHz
300				Span 22.5 MH	Z CF Step
Res BW 220 kHz Occupied Bandwid 1		VBW 680 kHz Total Power	31.2	Sweep 1 m dBm	S 2.250000 MHz Auto Man
Transmit Freq Error x dB Bandwidth	10.617 kHz 15.66 MHz	OBW Power x dB		.00 % 00 dB	0 Hz
MSG			STATUS		

Band41 15MHz 16QAM RB75 0 CH41515

	ctrum Analyzer - Occ								- 🗗 💌
🕅 R Center Fi	reg 2.68250	0000 GI	H7 Cer	SENSE:INT Iter Freg: 2.6825	00000 GHz	ALIGN AUTO	03:45:32 F Radio Std	M May 23, 2022	Frequency
	00 2.00200		Tris	g: Free Run tten: 30 dB	Avg Hol	d: 10/10	Radio Dev	vice: BTS	
10 dB/div	Ref Offset Ref 30.00								
20.0									Center Freq
10.0		1919	and the second	himmen		en mar			2.682500000 GHz
0.00	/						λ.		
-10.0	. In ANAN						MA		
-200 MMp/	pharmon pharman						141	11/2014/201	
-40.0									
-50.0									
-60.0	_								
Center 2.								22.5 MHz	CF Step
Res BW 🔅	220 KHZ			#VBW 680	KHZ		SW	eep 1 ms	2.250000 MHz Auto Man
Occup	bied Band	width		Total F	Power	31.2	2 dBm		Auto man
		13.4	10 MHz						Freq Offset
Transr	nit Freq Err	or	14.828 kHz	OBW F	ower	99	9.00 %		0 Hz
x dB B	andwidth		14.55 MHz	x dB		-26.	00 dB		
MSG						STATU:	s		

Band41_15MHz_64QAM_RB75_0_CH39725

		0000 GH	Iz	Center F	req: 2.50350	0000 GHz Avg Hold	ALIGN AUTO	Radio Std	M May 23, 2022 : None	Frequency
		#IP	Gain:Low	#Atten:	30 dB			Radio Dev	vice: BTS	
0 dB/div	Ref Offset Ref 30.00									
20.0										Center Fre
10.0		ng an an Indiana	manner	man.	et an an	-v~m~~~	mananah			2.503500000 GH
0.00	1							1		
10.0 At a d	namana							Wayph.		
20.0 1/1√1/ 0.05 20.0	un hi							- afr a	ከካትምሳላ	
40.0										
50.0										
60.0										
enter 2.5	504 GHz							Snan	22.5 MHz	
Res BW 2				#V	BW 680 H	Hz			eep 1 ms	CF Ste 2.250000 MH
Occup	ied Band	width			Total P	ower	30.3	dBm		Auto Ma
		13.4	25 MI	Ηz						Freq Offs
Transm	nit Freq Erro	or	5.755	Hz	OBW P	ower	99	.00 %		01
x dB Ba	andwidth		14.51 N	IHz	x dB		-26.	00 dB		

Band41_15MHz_64QAM_RB75_0_CH40620

Ref Offset 15.1 dB Center Freq 2.5593000000 GHz California Center Freq 2.5593000000 GHz Center Freq 2.5593000000 GHz Center Freq 2.5593000000 GHz Center Freq 2.5593000000 GHz Center Freq 2.559300000 GHz Center Freq 2.55930		rum Analyzer - Occupied B	W					- @ ×
O dB/div Ref 30.00 dBm 0 dB/div Span 22.5 MHz 2 dB/div Sweep 1 ms 0 dB/div Total Power 13.412 MHz Freq Offse	R Center Fre	RF 50 Ω DC	Trig: F	Free Run Avg Hol	ALIGN AUTO	Radio Std	: None	Frequency
Center Free Span 22.5 MHz 25000000 GHz #VBW 680 kHz Span 22.5 MHz 25000000 GHz #VBW 680 kHz Span 22.5 MHz 25000000 Hz #VBW 680 kHz Span 22.5 MHz 25000000 Hz #VBW 680 kHz Span 22.5 MHz 2500000 Hz #VBW 680 kHz Sweep 1 ms 0ccupied Bandwidth Total Power 30.1 dBm 13.412 MHz Freq Offse			IB	1. 30 UB		Radio Dei	NCE. D 13	
Image: Constraint of the second of the se	og	Ref 30.00 dB	m					
Image: constraint of the second se		1	- Annon market	mon	mannan			
Occupied Bandwidth 13.412 MHz Total Power Total Power 30.1 dBm Total Power 30.1 dBm CF Step Step Step Step Step Step Step Step		1				A		2.55500000 GH.
OCCUPIED Bandwidth Total Power 30.1 dBm OCCUPIED Bandwidth Total Power 30.1 dBm	0.0	and hereit				1.		
Occupied Bandwidth Total Power 30.1 dBm Occupied Bandwidth Total Power 30.1 dBm	00 MAN	ANN T				AJANAA	Wahala	
D00 Image: Constraint of the second								
CF Step Span 22.5 MHz CF Step enter 2.59 GHz #VBW 680 kHz Sweep 1 ms 2250000 MH Occupied Bandwidth Total Power 30.1 dBm Mail 13.412 MHz Freq Offse Freq Offse								
es BW 220 kHz = #VBW 680 kHz = Sweep 1 ms Occupied Bandwidth Total Power 30.1 dBm 13.412 MHz = Freq Offse	0.0							
Occupied Bandwidth Total Power 30.1 dBm Auto Main 13.412 MHz Freq Offse			#	VBW 680 kHz				
	Occupi	ied Bandwid	th	Total Power	30.1	dBm		
Transmit Freg Error 19.446 kHz OBW Power 99.00 %		1	3.412 MHz					Freq Offse
	Transmi	it Freq Error	19.446 kHz	OBW Power	99	.00 %		он
x dB Bandwidth 14.88 MHz x dB -26.00 dB	x dB Ba	ndwidth	14.88 MHz	x dB	-26.	00 dB		

Band41_15MHz_64QAM_RB75_0_CH41515

Keysight Spectrum Analyzer - Occupie R RF 50 Ω Di		SENSE:INT	ALIGN AUTO	01:46:27 PM May 23, 202	
enter Freq 2.6825000	00 GHz Ce	nter Freq: 2.68250000	0 GHz	Radio Std: None	Frequency
	Here Tr	g: Free Run / tten: 30 dB	vg Hold: 10/10	Radio Device: BTS	
Ref Offset 15. 0 dB/div Ref 30.00 d					
og 0.0					Center Fr
0.0	mangrow Arrange and	maranteria	Markade and an International State	4	2.682500000 G
.00				1	
···· ·································				"MAN MANNIN	
0.0				1 11 11	2
0.0					
0.0					
enter 2.683 GHz				Span 22.5 MH	Z CF St
es BW 220 kHz		#VBW 680 kHz		Sweep 1 m	2.250000 M
Occupied Bandwi	dth	Total Pov	ver 30.	1 dBm	Auto M
	13.407 MHz				Freq Offs
Transmit Freq Error	8.510 kHz	OBW Pov	ver 99	9.00 %	0
x dB Bandwidth	14.48 MHz	x dB	-26	.00 dB	
9G			STATU	s	E

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Report No.: TERF2204000399E2 Page: 109 of 237

Band41 20MHz QPSK RB100 0 CH39750

Keysight Spectro R	um Analyzer - Occupied BW RF 50 Q DC	r	SENSE:INT	ALIGN AUTO	10:48:26 A	M May 23, 2022	
enter Fre	q 2.506000000	GHz Cente	er Freg: 2.506000000 GHz		Radio Std		Frequency
			n: 30 dB		Radio Dev	ice: BTS	
) dB/div	Ref Offset 15.1 dl Ref 30.00 dBn						
og 0.0		Summer manager	and the second second				Center Fre
0.0					\		2.506000000 G
.00	nat			-	1		
0.0 اوروسا وراله	LANNEL M				marin	a Anna Marco	
0.0							
0.0							
0.0							
0.0							
enter 2.50 Res BW 3			VBW 910 kHz			n 30 MHz	CF St
Reservij		*				ep 1ms	3.000000 M Auto M
Occupi	ed Bandwidt	h	Total Power	35.0	dBm		
	17	'.899 MHz					Freq Offs
Transmi	t Freq Error	7.569 kHz	OBW Power	99	.00 %		0
x dB Bar	ndwidth	19.97 MHz	x dB	-26.0	00 dB		

	Band	41_20MH	z_QPSK_RB	100_0_CH	140620	
CXU R	trum Analyzer - Occupied B RF 50 Ω DC eq 2.593000000) GHz Ce	SENSE:INT Iter Freq: 2.593000000 GHz g: Free Run Avg Ho ten: 30 dB	Radio Id: 10/10	Std: None	Frequency
10 dB/div Log 30.0 20.0	Ref Offset 15.1 d Ref 40.00 dBi	n	and a company of the company			Center Freq 2.593000000 GHz
0.00	THUMBLAND			- Ani	hyburn	
-40.0 -50.0 Center 2.4 #Res BW			#VBW 910 kHz		Span 30 MHz Sweep 1 ms	CF Step
	ied Bandwid	th 7.900 MHz	Total Power	34.7 dBn		3.000000 MHz <u>Auto</u> Man Freq Offset
	nit Freq Error andwidth	32.965 kHz 19.60 MHz	OBW Power x dB	99.00 % -26.00 dE		0 Hz
MSG				STATUS		

Band41 20MHz QPSK RB100 0 CH41490

	pectrum Analyzer - Occ									- đ 💌
Contor F	RF 50 Ω Freq 2.68000		Ja .		nse:INT rea: 2.68000	0000 GHz	ALIGN AUTO	11:35:21 A Radio Std	M May 23, 2022	Frequency
Centerr	104 2.08000			Trig: Fre	e Run		d:>10/10			
		#1	Gain:Low	#Atten:	30 dB			Radio Dev	rice: BTS	
10 dB/div	Ref Offset Ref 30.0									
20.0										Center Freq
10.0		month	and and and	مدرسمرديه		manum	and an and a			2.68000000 GHz
0.00	/							Γ		
-10.0	- and							1		
20.0 M.A	arrenni W							Mr. a	turique	
-30.0	110 100								and And the	
-40.0										
-50.0										
-60.0										
Center 2 #Res BW	2.68 GHZ / 300 kHz			#V	BW 910 k	Hz			n 30 MHz eep 1 ms	CF Step 3.000000 MHz
Occu	pied Band	width			Total P	ower	32.0	dBm		<u>Auto</u> Man
		17.8	847 MF	z						Freq Offset
Trans	mit Freq Err	or	982	Hz	OBW P	ower	99	.00 %		0 Hz
x dB B	Bandwidth		19.65 M	Hz	x dB		-26.	00 dB		
MSG							STATUS	5		

Band41_20MHz_16QAM_RB100_0_CH39750

0 dB/div	Ref Offset 15.1 dl			SENSE:INTI ALIGN AUTO 10-99:11 AM May 23, 2022 r Freq: 2.50600000 GHz Radio Std: None Free Run Avg[Hold: 10/10 n: 30 dB Radio Device: BTS				Frequency
	Ref 30.00 dBn							
20.0 10.0 20.0								Center Fre 2.506000000 GH
Center 2.50 Res BW 30			#VBW 91	0 kHz			n 30 MHz ep 1 ms	CF Ste 3.000000 M⊦
Occupie	ed Bandwidt 17	^h ′.914 M⊦		Power	34.1	dBm		Auto Ma
Transmit x dB Ban	Freq Error	-13.978 k 20.15 M		Power		.00 % 00 dB		01

Band41 20MHz 16QAM RB100 0 CH40620

	ctrum Analyzer - Occup	pied BW						
R		DC		SENSE:INT	ALIGN AUTO		M May 23, 2022	Frequency
enter Fr	req 2.593000	000 GH		r Freq: 2.593000000 GHz Free Run Avg Hol	d: 10/10	Radio Std	: None	riequency
		#IFG		1: 30 dB		Radio Dev	rice: BTS	
	D 400							
0 dB/div	Ref Offset 18 Ref 30.00							
og						1		
1.0		maria	manne	mar mar and the second	-			Center Fre
1.0	1					1		2.593000000 GH
00						R		
	UN UN					Mali a		
0	man a Mar					111	Huchan	
10								
enter 2.	593 GHz					Spa	n 30 MHz	CF Ste
tes BW	300 kHz		#	VBW 910 kHz		Swe	ep 1 ms	3.000000 M
-								Auto Ma
Occup	pied Bandw			Total Power	33.	dBm		
		17.8	74 MHz					Freq Offs
T		_	2 000 1-11-		0(00.00		01
	nit Freq Erro		2.008 kHz	OBW Power		9.00 %		
x dB B	andwidth		19.95 MHz	x dB	-26.	00 dB		

Band41 20MHz 16QAM RB100 0 CH41490

📕 Keysight Spectrum Analyzer - Oc								
R RF 50 Ω			SENSE:INT Freq: 2.680000000	ALIGN AUTO	11:35:52 Al Radio Std:	May 23, 2022	Frequency	
Center Freq 2.68000	JUUUU GHZ	Trig: F	ree Run Av	g Hold: 10/10				
	#IFGain:Low	, #Atten	: 30 dB		Radio Devi	ce: BTS		
Ref Offset	15.1 dB							
0 dB/div Ref 30.0								
.og 20.0								
	unmont	man	www.menner	million			Center Fr	
10.0	1						2.68000000 G	
0.00					1			
10.0 A atV					Ma			
20.0 WWW.WWWWW		-			1 YHAN	Mr. Okn.		
30.0 meridanes 1 - 0					1 1 1 1	- JUNI MAL		
40.0		-			-			
50.0		_						
60.0		_						
Center 2.68 GHz Res BW 300 kHz		-#1	VBW 910 kHz			n 30 MHz ep 1 ms	CF Ste	
Res DW JUU KHZ		#	VEVV 910 KHZ		owe	ep mis	3.000000 M Auto M	
Occupied Band	width		Total Powe	r 31.	2 dBm		<u>Auto</u> m	
	17.880							
	17.0001	VITIZ					Freq Offs	
Transmit Freq Er	ror 1.41	5 kHz	OBW Powe	r 9	9.00 %		0	
x dB Bandwidth	19.4	4 MHz	x dB	-26	.00 dB			
x ab banamaan	10.4		A GD	20				
SG				STATU	IS			

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Band41 20MHz 64QAM RB100 0 CH39750

	rum Analyzer - Occupied BW					
enter Fre	RF 50Ω DC 9q 2.506000000	GHz Center Trig: F	SENSE:INT Freq: 2.506000000 GHz Free Run Avg Hol :: 30 dB	ld: 10/10	10:50:14 AM May 23, 2023 Radio Std: None Radio Device: BTS	Frequency
0 dB/div	Ref Offset 15.1 dE Ref 30.00 dBm					
00 00 00 00 00 00 00 00 00 00 00 00	while all a			an	hungumon	Center Freq 2.506000000 GHz
enter 2.5 Res BW 3		#	VBW 910 kHz		Span 30 MHz Sweep 1 ms	
Occupi	ied Bandwidtl 17	^h .894 MHz	Total Power	33.3	dBm	Auto Ma
	it Freq Error ndwidth	7 Hz 19.72 MHz	OBW Power x dB	99. -26.0	00 % 0 dB	0+

Bar		64QAM_RB	100_0_CH4062)					
R RF 50Ω C Center Freq 2.5930000	000 GHz Center Trig: F	Trig: Free Run Avg Hold: 10/10							
Ref Offset 15 10 dB/div Ref 30.00 c									
-og 20.0 10.0 0.00	how we have a second second	-glassinger-CartyMarine		Center Free 2.593000000 GHz					
10.0 20.0 Martin MWWW			h harder harder						
0.0									
enter 2.593 GHz			Span 30 Mi	Cr Step					
Res BW 300 kHz Occupied Bandw		VBW 910 kHz Total Power	Sweep 1 n 32.9 dBm	3.000000 MH					
	17.867 MHz			Freq Offse					
Transmit Freq Error	19.899 kHz	OBW Power	99.00 %	0 H:					
x dB Bandwidth	19.36 MHz	x dB	-26.00 dB						
eg.			STATUS						

Band41 20MHz 64QAM RB100 0 CH41490

	um Analyzer - Occupie								- d 🗙
CM R	RF 50 Ω D			NSE:INT		ALIGN AUTO		AM May 23, 2022	Frequency
Center Fre	q 2.6800000	00 GHz	Center F	req: 2.68000	AvalHold	10/10	Radio Sto	i: None	riequency
		#IFGain:Low	#Atten: 3		Avginoid		Radio De	vice: BTS	
10 dB/div	Ref Offset 15. Ref 30.00 d								
20.0									Center Freq
10.0		and marine	dennonon	Harrison	round	muner			2.680000000 GHz
0.00	1						1		2.00000000000
10.0	1 /						1		
-20.0 a. 14 (m)	nhlle (M						1		
	Jadahi ib						"North	4 Marche	
-30.0									
-40.0									
-50.0									
-60.0			-						
Center 2.6	8 GHz						Spa	an 30 MHz	CF Step
#Res BW 🔅	800 kHz		#VI	3W 910 k	Hz		Sw	eep 1ms	3.000000 MHz
Occupi	ed Bandwi	dth		Total P	ower	30.2	dBm		<u>Auto</u> Man
		17.878 M	Hz						Freq Offset
Transmi	it Freq Error	9.334	kHz	OBW P	ower	99	.00 %		0 Hz
x dB Ba	-	19.15		x dB		-26	00 dB		
MSG						STATUS	5		

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9 OUT OF BAND EMISSION AT ANTENNA TERMINALS

9.1 Standard Applicable

FCC §22.917(a), §24.238(a), §27.53(h), §90.543(e)(3)

Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

FCC §27.53(g)

Compliance for operations in the 600 MHz, 698-746 MHz, 746-758 MHz and the 776-788 MHz band with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

FCC §27.53(h)(1)

(h) *AWS emission limits*—(1) *General protection levels.* Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log₁₀ (P) dB.

FCC §27.53(m) (4) (6)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement procedure. Compliance with these rules is based on the use of measurement nstrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26

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dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

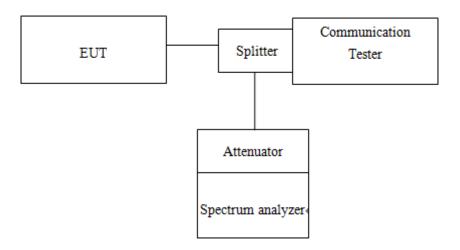
FCC §90.691 Emission mask requirements for EA-based systems

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

9.2 Test SET-UP



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9.3 **Measurement Procedure**

Conducted Emission 9.3.1

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

- 1. To connect Antenna Port of EUT to Spectrum.
- Set RBW = 1MHz & VBW = 1MHz on Spectrum.
- 3. Allow trace to fully stabilize
- 4. Repeat above procedures until all default test channel measured were complete.

9.3.2 **Band Edge**

- 1. To connect Antenna Port of EUT to Spectrum.
- 2. The band edge of low and high channels for the highest RF powers was measured. Setting RBW \geq 1% EBW.
- 3. Allow trace to fully stabilize
- 4. Repeat above procedures until all default test channel measured were complete.

Band Edge Measurement Result: 9.4

Refer to next pages.

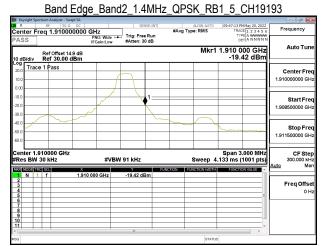
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Band Edge Band2_1.4MHz QPSK RB1_0 CH18607

R	1	n Analyzer - Sv RF 50 1		:U-7	S	ENSE:INT	#Ava	ALIGN AUTO		M May 20, 2022 CE 1 2 3 4 5 6	Frequency
PASS	R	ef Offset 1-	4.9 dB	PNO: Wide IFGain:Low	Trig: Fr #Atten:				1 1.850 C	PE A WWWW ET A NNNN	Auto Tur
-og 20.0 Tr 10.0	ace 1										Center Fro 1.850000000 GI
20.0						¥	~	where the second			Start Fr 1.848500000 G
40.0 50.0											Stop Fr 1.851500000 G
enter Res B	W 30		×	#VI	3W 91 kHz		UNCTION	Sweep	4.133 ms	8.000 MHz (1001 pts)	CF St 300.000 k Auto M
1 N 2 3 4 5 6 7 8 9 10				000 GHz	-19.34 (Freq Offs 0
11 50					.HT	- 1		STAT	-	· · ·	



Band Edge Band2 1.4MHz QPSK RB6 0 CH18607

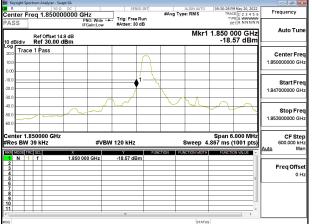
	oectrum Analyzer - Swep					- # *
Center F	reg 1.850000	DC 000 GHz	SENSE:INT	ALIGN AUTO #Avg Type: RMS	09:41:32 PM May 20, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	Ref Offset 14.9 Ref 30.00 dl		, ⊤rig: Free Run #Atten: 30 dB	Mkr1	1.850 000 GHz -27.74 dBm	Auto Tun
0.00	ce 1 Pass					Center Fre 1.85000000 GH
-10.0 -20.0 -30.0			/_			Start Fro 1.848500000 Gi
-40.0 -50.0 -60.0						Stop Fr 1.851500000 G
Center 1 #Res BW		#VBV	V 91 kHz	Sweep 4	Span 3.000 MHz .133 ms (1001 pts)	CF Ste 300.000 k Auto M
1 N 2 3 4 5 6 7 8 9		1.850 000 GHz	-27.74 dBm			Freq Offs 0
10 11 15G			87	STATU	* 5	

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Band Edge Band2 1.4MHz QPSK RB6 0 CH19193

Frequency	PM May 20, 2022		ALIGN AUTO pe: RMS	#Ave T	NSE:INT	SEI	<u> </u>	50 Ω DC 10000000	RF	- Francisco
Auto Tune	YPE A WWWWW	D	pe. King	10 YO Y		Trig: Fre #Atten: 3	PNO: Wide ↔ IFGain:Low	1000000	q 1.	S
Auto Tur	000 GHz .92 dBm		Mkr1					set 14.9 dB).00 dBm		
Center Fre									Pa	Trace 1
1.91000000 GH						-	~~~~~		+	
Otort Fre										/
Start Fre 1.908500000 GH					1		-		+	
					~~~					ar an
Stop Fre 1.911500000 GH									+	
CF Ste	3.000 MHz							GHz		er 1.910
300.000 ki uto M	(1001 pts)		Sweep 4.	CTION F	FL	ý 91 kHz	#VBV	X		8W 30
Freq Offs				_	Bm	-26.92 di	000 GHz	1.91	f	N 1
01					_				+	
					_				-	
									-	

### Band Edge Band2 3MHz QPSK RB1 0 CH18615



### Band Edge_Band2_3MHz_QPSK_RB1_14_CH19185

	pectrum Analyzer - Swe					- 6 -
R enter F	RF 50 Ω		SENSE:INT	#Avg Type: RMS	09:37:32 PM May 20, 2022 TRACE 1 2 3 4 5 6	Frequency
ASS	]	PNO: Wide IFGain:Low	Trig: Free Run #Atten: 30 dB	• //	DET A NNNNN	Auto Tun
0 dB/div	Ref Offset 14 Ref 30.00 c			Mkr1	1.910 000 GHz -17.40 dBm	Auto Tun
og Tra	ce 1 Pass					Center Fre
0.0			$+\Lambda$			1.910000000 GH
00			1			Start Fre
0.0						1.907000000 GH
0.0			· h			Stop Fre
0.0						1.913000000 Gi
	.910000 GHz V 39 kHz	#VI	3W 120 kHz	Sweep 4	Span 6.000 MHz .867 ms (1001 pts)	CF Ste 600,000 kł
R MODE		X 1.910 000 GHz	-17,40 dBm	UNCTION FUNCTION WIDTH		<u>Auto</u> Ma
2		1.910 000 GHZ	-17,40 GBM			Freq Offs
4 5					F	01
7						
					U	
9 0 1					*	

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t (886-2) 2299-3279

f (886-2) 2298-0488



### Band Edge Band2 3MHz QPSK RB15 0 CH18615

		alyzer - Swe									
R Renter F	RF Frea 1	50 Ω	0000 GH	z		SE:INT	#Avg T)	ALIGN AUTO	TRA	M May 20, 2022	Frequency
ASS	Ref (	Offset 14.	PI IFI 9 dB	IO: Wide + Sain:Low	#Atten: 30			Mkr1	□ 1.850 0		Auto Tu
0 dB/div		30.00 d	Bm						-30.	54 dBm	
20.0 Tra	ce 1 Pa	SS									Center F
0.0											1.850000000
										m	
10											
0.0						1				1	Start F
						, ¹				/	1.847000000
0.0					- mark						
0.0											Stop F
0.0											1.853000000
0.0											
enter 1	.85000	0 GHz			-		1		Span 6	.000 MHz	CFS
Res BW				#VB	W 120 kHz			Sweep 4		1001 pts)	600.000
KR MODE	TRCI SCU		x		Y	FUN	CTION   F	UNCTION WIDTH	FUNCTI	NVALUE A	Auto I
1 N			1.850 00	0 GHz	-30.54 dB	m					
2											Freq Off
4						_					0
6											
7						-					
9											
0						-					
Ľ.					.87						
G								STATU			

Keysight Sp	ectrum Analyzer - S	LOGE_Ba			_1.01	<u></u> _	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	req 1.9100	Ω DC 00000 GHz PNO: Wide	SENSE:IF	#Avg Typ	ALIGN AUTO e: RMS	TRAC	May 20, 2022	Frequency
ASS	Ref Offset	IFGain:Low	#Atten: 30 dB		Mkr1	1.910 0	00 GHz 5 dBm	Auto Tu
0.0	e 1 Pass							Center Fr 1.910000000 G
0.0								Start Fr 1.907000000 G
0.0 0.0 0.0							~~~~	Stop Fi 1.913000000 0
	910000 GH 39 kHz		BW 120 kHz		Sweep 4	.867 ms (1		CF S1 600.000 K Auto M
1 N 2 3 4 5 6	f	1.910 000 GHz	-30.75 dBm					Freq Off 0
7 8 9 0							=	
<u> </u>			11					

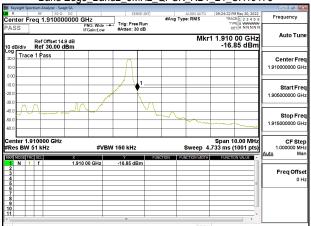
Dand Edge Dand? 2MU- ODCK DD1E 0 CU1010E

### Band Edge_Band2_5MHz_QPSK_RB1_0_CH18625

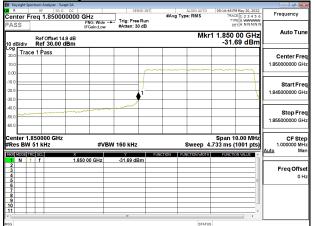
									Analyzer - Swe		
Frequency	4 May 20, 2022	TRAC	ALIGN AUTO e: RMS	#Avg Typ	NSE:INT	1	z	0000 GH		r Freq	R Cento
Auto Tur	00 GHz 1 dBm	⁰⁰ 1 1.850	Mkr			#Atten: 3	O: Wide ↔	IFC	f Offset 14 f 30.00 c		0 dB/
Center Fre 1.85000000 GF					Λ				Pass	race 1 I	. <b>og</b> 20.0 - 10.0 -
Start Fre 1.845000000 GH			al	h y	1-2						10.0 20.0 30.0
Stop Fro 1.855000000 Gi	A.A.	~~~~	r/ VI-c.	~~~		J.V.	~	and the	~~~~		40.0 50.0 60.0
CF Sto 1.000000 M Auto M	0.00 MHz 1001 pts)	733 ms (	Sweep 4.			160 kHz	#VBW	x		1.8500 3W 51 1	Res
Freq Offs 0	E				Bm	-20.91 di	) GHz	1.850 0		1 f	1 1 2 3 4 5 6
											7 8 9 10 11
I			STATUS								sg

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#### Band Edge_Band2_5MHz_QPSK_RB1_24_CH19175



### Band Edge_Band2_5MHz_QPSK_RB25_0_CH18625



#### Band Edge Band2 5MHz QPSK RB25 0 CH19175

								inalyzer - Sw		ht Spect		
Frequency	09:24:59 PM May 20, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWWW	ALIGN AUTO Type: RMS	#Avg	sense:		Hz	0000 G	50 Ω	RF 9q1	r Fre		a R Cer
Auto Tune	1.910 00 GHz -31.23 dBm	Mkr		g: Free Ru tten: 30 dB		PNO: Wide FGain:Low	9 dB	Offset 14			B/di	
Center Freq 1.910000000 GHz				~~				ass	1 P:	race		20.0 10.0
Start Fred 1.905000000 GH:					+						$\not\vdash$	-10.0 -20.0 -30.0
Stop Fre 1.915000000 GH	~~~~~				+						⊢	-40.0 -50.0 -60.0
CF Step 1.000000 MH Auto Mar	Span 10.00 MHz 733 ms (1001 pts)	Sweep 4.	FUNCTION	kHz	'BW 10	#V	×		i1 kl	r 1.9* BW 5	s B	#Re
Freq Offse 0 Hz				.23 dBm		00 GHZ			f			1 2 3 4 5 6 7 8 9 10
	· · ·			ш						-		(

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