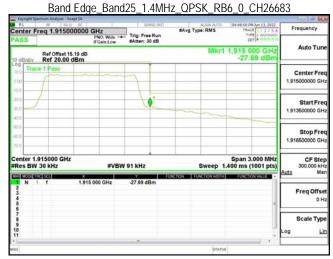


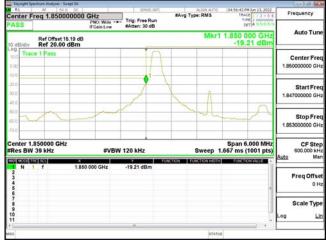
Report No.: TERF2206000793ER Page: 115 of 231

Band Edge_Band25_1.4MHz_QPSK_RB6_0_CH26047

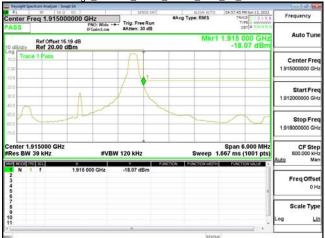




Band Edge_Band25_3MHz_QPSK_RB1_0_CH26055

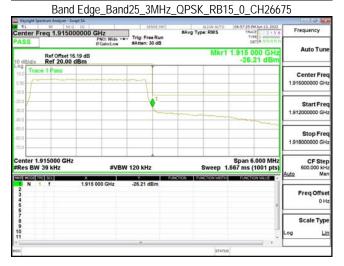


Band Edge_Band25_3MHz_QPSK_RB1_14_CH26675



Band Edge_Band25_3MHz QPSK RB15_0_CH26055





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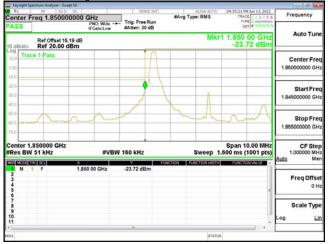
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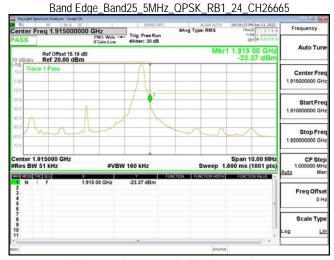
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Band Edge_Band25_5MHz_QPSK_RB1_0_CH26065





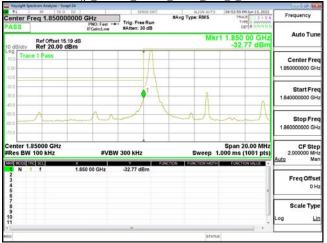
Band Edge_Band25_5MHz_QPSK_RB25_0_CH26065

Keysight Spectrum Analyzer - Swept SA					-0-9-6-
RL # 50 g bc	00 GHz	SENSE:[NT]	#Avg Type: RMS	04-55-41 PM Jun 13, 2022 TRACE 1 2 3 4 5 6 Type 1 4 4000000	Frequency
PASS	PNO: Wide	#Atten: 30 dB		DETAINNINN	Auto Tur
10 dB/div Ref Offset 15.19 c			Mkr	1 1.850 00 GHz -32.62 dBm	Auto Tur
00 Trace 1 Pass		- Ir			Center Fr 1.85000000 G
20.0					Start Fr 1.845000000 G
50.0					Stop Fr 1.855000000 G
Center 1.850000 GHz Res BW 51 kHz	#VBW	/ 160 kHz	Sweep 1	Span 10.00 MHz .600 ms (1001 pts)	CF St 1.000000 M Auto M
	1.850 00 GHz	-32.62 dBm			Freq Offs 0
6 7 8 9 10					Scale Ty
50			STATU		

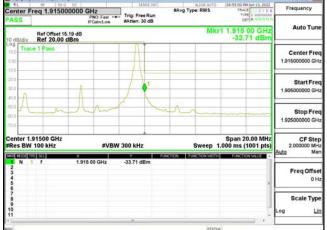
Band Edge_Band25_5MHz_QPSK_RB25_0_CH26665



Band Edge_Band25_10MHz_QPSK RB1_0_CH26090







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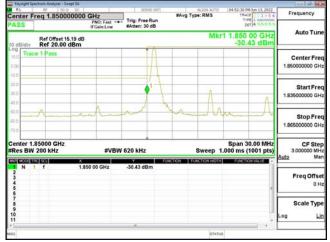
Report No.: TERF2206000793ER Page: 117 of 231

Band Edge_Band25_10MHz_QPSK_RB50_0_CH26090

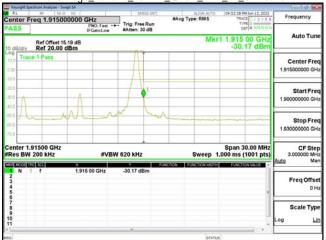
	n Analyzer - Swept SA	78				0.00
Center Freq	1.850000000 GHz	1	SENSE:INT	#Avg Type: RMS	04-54:19 PM Jun 13, 2022 TRACE 1 2 3 4 5 6	Frequency
PASS	PNO IFGal	Fast +++	Trig: Free Run #Atten: 30 dB		DET A NONNON	
t0 dB/div R	ef Offset 15.19 dB ef 20.00 dBm			Mkr	1 1.850 00 GHz -35.35 dBm	Auto Tune
100 Trace 1	Pass		-Ir-			Center Free 1.850000000 GH
10.0 20.0 30.0			1			Start Free 1.84000000 GH
50.0						Stop Fre 1.86000000 GH
Center 1.850 Res BW 100) kHz	#VBW 3		Sweep 1	Span 20.00 MHz .000 ms (1001 pts)	CF Ste 2.000000 MH Auto Ma
1 N 1 1 2 3 4 5	1.850 00 0	3Hz	-35.35 dBm			Freq Offse
6 7 8 9						Scale Type
11 (statu		



Band Edge_Band25_15MHz_QPSK_RB1_0_CH26115

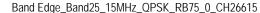


Band Edge_Band25_15MHz_QPSK_RB1_74_CH26615



Band Edge_Band25_15MHz_QPSK RB75_0_CH26115







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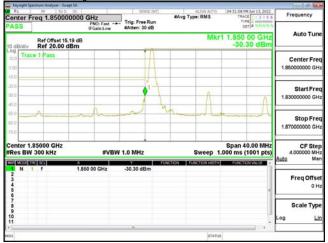
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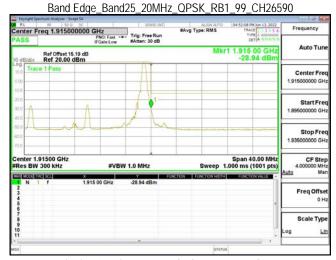
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Band Edge_Band25_20MHz_QPSK_RB1_0_CH26140

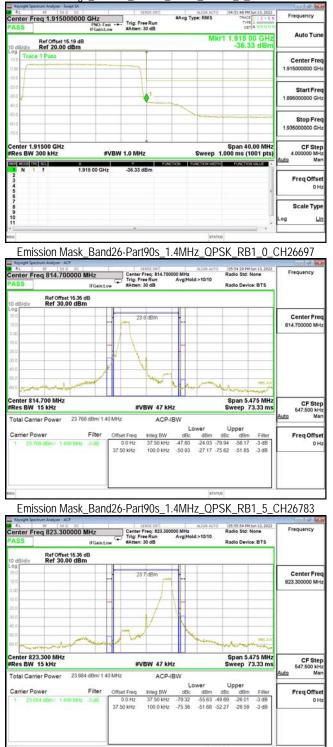




Band Edge_Band25_20MHz_QPSK_RB100_0_CH26140

Keysight Spectrum Analys					10 9 6
Center Freq 1.8	50000000 GHz	Trig: Free Run	#Avg Type: RMS	04-51-28 PM Jun 13, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWWW	Frequency
	IFGain:Low set 16.19 dB	#Atten: 30 dB	Mkr	1 1.850 00 GHz -34.34 dBm	Auto Tun
100 Trace 1 Pass					Center Fre 1.85000000 GH
30.0					Start Fre 1.83000000 GH
50.0					Stop Fre 1.87000000 GH
Center 1.85000 G Res BW 300 kH	2 #VBV		Sweep 1	Span 40.00 MHz .000 ms (1001 pts)	CF Ste 4.000000 MI Auto M
1 N 1 f 2 3 4 6	1.850 00 GHz	-34.34 dBm			Freq Offs 01
6 7 8 9 10 11					Scale Typ
* [90			STATU		

Band Edge_Band25_20MHz_QPSK_RB100_0_CH26590



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id>10/10

lo Device: BTS

CF Step 707.500 kH:

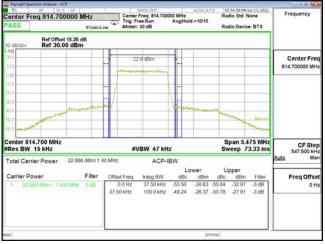
0 H

Emission Mask_Band26-Part90s_3MHz_QPSK_RB1_14_CH26775

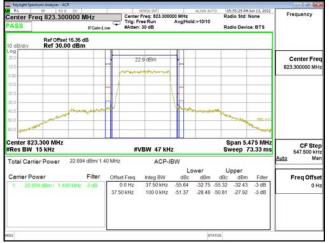
00 MHz

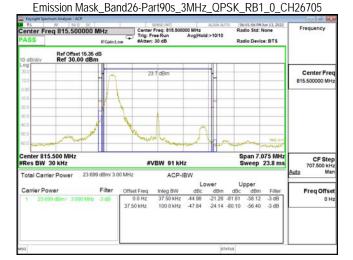
Center Freq: 822.50

Emission Mask Band26-Part90s_1.4MHz_QPSK_RB6_0_CH26697



Emission Mask Band26-Part90s 1.4MHz QPSK RB6 0 CH26783

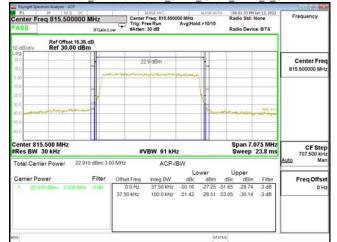




Ref Offset 15.35 dB Ref 30.00 dBm Center Fre 822 500000 er 822.500 Mi BW 30 kHz Span 7.075 MH Sweep 23.8 m #VBW 91 kH ACP-IBW otal Carrier Power Lower Uppe Carrier Power Freq Offse Integ BW 37.50 kHz dBm dBc dBm Filte -58.56 -45.72 -21.89 -3 dB -56.13 -49.77 -25.93 -3 dB -82.40 37.50 kHz 100 0 kHz -79.97

nter Freg 822.500000 MHz

Emission Mask Band26-Part90s 3MHz QPSK RB15 0 CH26705



Emission Mask_Band26-Part90s_3MHz_QPSK_RB15_0_CH26775 Center Freq: 822.500 Trig: Free Run a 822,500000 MHz Radio Device: BTS Ref Offset 15.35 dE Ref 30.00 dBm Center Fre 822.500000 MH Span 7.075 MH Sweep 23.8 m r 822.5 CF Step 707.500 kH VBW 91 kHz M otal Carrier Power ACP-IBW Uppe Lowe Carrier Powe Freq Offse et Fre Integ BW 37.50 kHz -29.47 -50.80 -52.42 -27.84 -3 dB OH 37.50 kHz 100 0 kHz -52.65 -29.69 -52.53 -29.57 -3.dB

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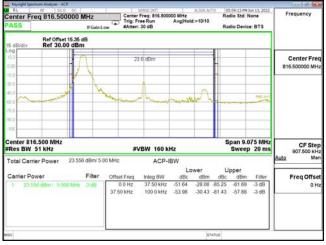
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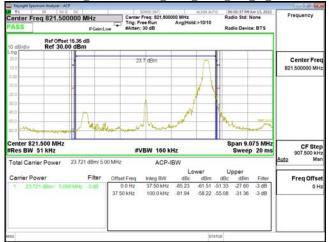


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Emission Mask Band26-Part90s 5MHz QPSK RB1 0 CH26715

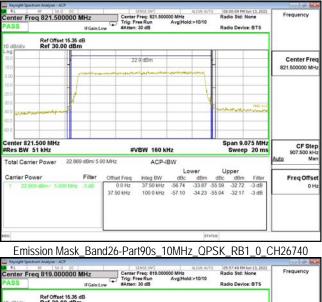


Emission Mask_Band26-Part90s_5MHz_QPSK_RB1_ 24 CH26765

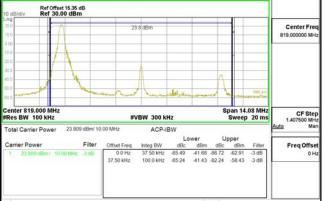


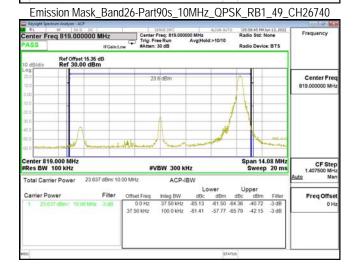
Emission Mask_Band26-Part90s_5MHz_QPSK_RB25_0_CH26715

Keysight Spectrum Analyzer - AC									0 9 0
Center Freq 816.50	DOOD MHz	Center I	req: 816.5000		ALIGN AUT		dio Std: N	un 13, 2022 one	Frequency
PASS	IFGain:Lo	Trig: Fr #Atten:		Avg(Hold	2>10/10	Ra	dio Devio	BTS	
to dB/div Ref Offset									
200		22	9 dBm						Center Free
10.0	1				-	H.	-		816.500000 MH
0.00	providence -		tantian good	andarin	and		-		
10.0			-		1				
20.0	11				- +				
30.0	1						-	INS AVO	
40.0 where where a friend	57				-	Sec.e	TARBORN.	مدر (1918)	
60.0									
60.0				-			-		
Center 816.500 MHz #Res BW 51 kHz		#1	BW 160 k	H7	-	S		75 MHz 20 ms	CF Step
Total Carrier Power	22 909 dBm/ 5 00		ACP-I						907.500 kH Auto Mar
					wer	U	pper		
Carrier Power	Filter	Offset Freq	Integ BW	dBc	dBm	dBc	dBm	Filter	Freq Offse
1 22.909 dBm / 5.00	MHz 3dB	0.0 Hz	37.50 kHz	-56.46	-33.55		-34 20	-3 dB	0 H
		37.50 kHz	100.0 kHz	-55.07	-32.16	-56.26	-33.35	-3 dB	
***						nus.			



Emission Mask_Band26-Part90s_5MHz_QPSK_RB25_0_CH26765





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Emission Mask_Band26-Part90s_10MHz_QPSK_RB50_0_CH26740

Keysight Spect	trum Analyzer - ACP		10 1	SENSE INT		ALIGN AU			Jun 13, 2022	0 9 0
	eq 819.0000		Trig:	r Freq: 819.000 Free Run n: 30 dB		d:>10/10	Ra	dio Std: M dio Devic	lone	Frequency
10 dB/div	Ref Offset 15 Ref 30.00 c				_					
20.0 10.0				22.9 dBm					_	Center Freq 819.000000 MHz
0.00	1	10-10-10-10-10-10-10-10-10-10-10-10-10-1	and the second				1		_	
30.0	1	_					1		MIC X IZ	
40.0	tearr		_	_		-	-			
confer 819	000 MHz						s	pan 14	.08 MHz	
#Res BW				VBW 300 k	Hz				20 ms	CF Step 1.407500 MHz
Total Carri	er Power 22	2.851 dBm/ 10	00 MHz	ACP-						Auto Man
Carrier Po	wer	Filter	Offset Freq	Integ BW	dBc	dBm	dBc	dBm	Filter	Freq Offset
1 22.85	1 dBm / 10.00 M	Hz 3dB	0.0 Hz 37.50 kHz	37.50 kHz 100 0 kHz	-61.36 -58.85		-61.44 -57.61	-38.59 -34.76	-3 dB -3 dB	OHz
MSG						57	ATUS			





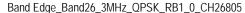


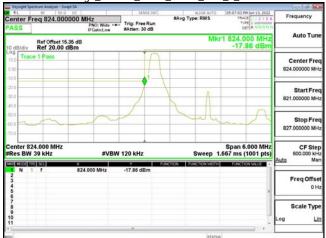
Band Edge_Band26_1.4MHz_QPSK_RB6_0_CH26797



Band Edge_Band26_1.4MHz_QPSK_RB6_0_CH27033







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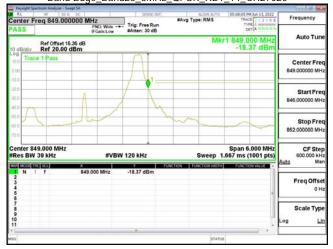
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Band Edge_Band26_3MHz_QPSK_RB1_14_CH27025



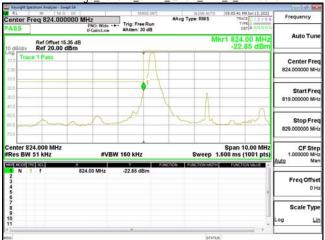


Band Edge_Band26_3MHz_QPSK_RB15_0_CH27025

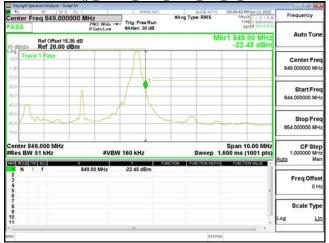
Color Man		CONTRACTOR NO.			200	Analyzer - Swept SA	
Frequency	05-07:44 PM Jun 13, 2022 TRACE 1 2 3 4 5 6 TVRE 5 WWWWWW	ALION ALTO ype: RMS	#Avg	SENSE INT	łz	849.000000 M	enter Fre
Auto Tune	DET A IS N N N			#Atten: 30 dB	PNO: Wide +++ IFGain:Low		ASS
Auto Tune	-26.35 dBm	Mkr				f Offset 15.35 dB	0 dB/div
Center Free						Pass	Trace
849.000000 MH			-				0.00
Start Free				1			000
846.000000 MH				L			0.0
Stop Fre							50.0
852.000000 MH							0.0
CF Step 600.000 kH Auto Mar	Span 6.000 MHz .667 ms (1001 pts)	Sweep 1.	FUNCTION		#VBW	kHz	enter 849. Res BW 39
Freq Offse 0 H				-26.35 dBm	NOO MHZ	849.	N 1 2 3 4 5
Scale Type							7 8 9
Log <u>Lin</u>							10
		STATUS					6

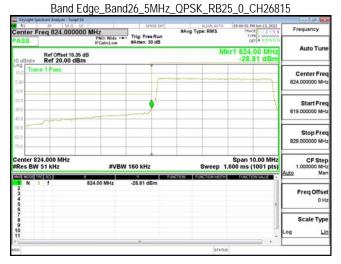
Report No.: TERF2206000793ER Page: 122 of 231

Band Edge_Band26_5MHz_QPSK_RB1_0_CH26815



Band Edge_Band26_5MHz QPSK_RB1 24 CH27015





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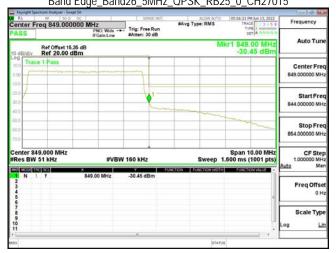
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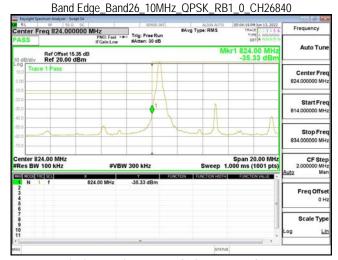
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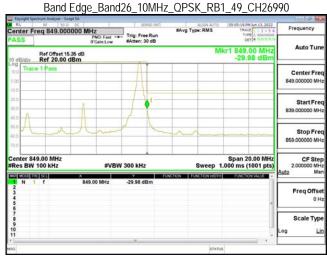
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Band Edge_Band26_5MHz_QPSK_RB25_0_CH27015







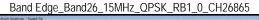
Report No.: TERF2206000793ER Page: 123 of 231

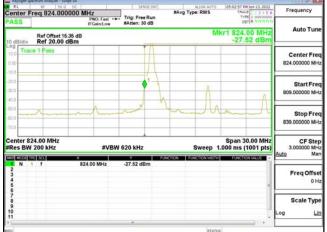
Band Edge_Band26_10MHz_QPSK_RB50_0_CH26840



Band Edge_Band26_10MHz_QPSK_ _RB50_0_CH26990







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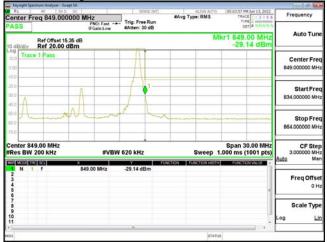
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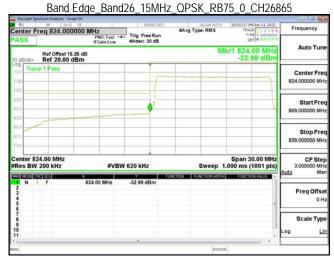
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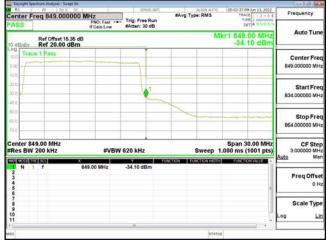


Band Edge_Band26_15MHz_QPSK_RB1_74_CH26965



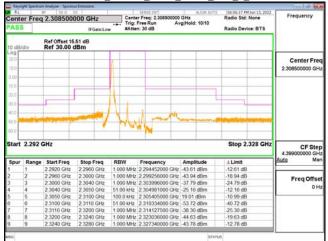


Band Edge_Band26_15MHz_QPSK_RB75_0_CH26965

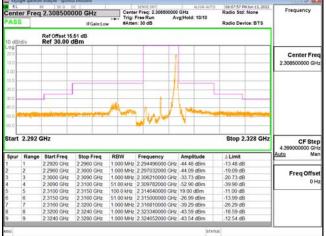


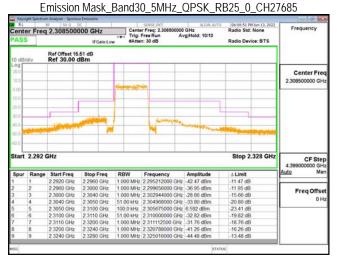
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Emission Mask_Band30_5MHz_QPSK_RB1_0_CH27685



Emission Mask_Band30_5MHz_QPSK_ _24_CH27735 RB1





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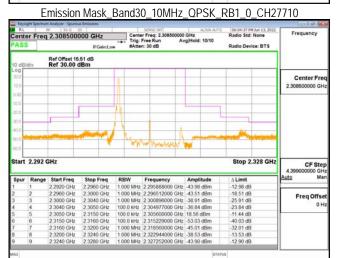
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Emission Mask_Band30_5MHz_QPSK_RB25_0_CH27735

Frequency					mission	n Analyzer - Spiziou	pht Spectrum	
Frequency	06:07:24 PM Jun 13, 2022 Radio Std: None	ALIGN AUTO	Freg: 2.308500000	Canto	0.011	50 0 0	1	RL
	Radio Std: None Radio Device: BTS	g(Hold: 10/10		Trig: F	IFGain:Low	2.3085000		ASS
						Ref Offset 15. Ref 30.00 d		t0 dB/
Center Freq 2.308500000 GH2			philippines.					20.0 10.0
								20.0
				A DESCRIPTION OF				30.0
	and the second s	And and a second se		different a	-			
					and a second			50.0
CF Ster 4.39900000 GH	Stop 2.328 GHz					3Hz	2.292 0	50.0 60.0
	Stop 2.328 GHz	Amplitude	Frequency	8W	Stop Freg	GHz Start Freq		so.o eo.o Start
4.399000000 GH					Stop Freq 2 2960 GHz			60.0 60.0
4.399000000 GH Auto Mar	∆ Limit	Amplitude -43.86 dBm		000 MHz		Start Freq		so.o eo.o Start
4.399000000 GH Auto Mar Freq Offse	Δ Limit -12.86 dB	Amplitude -43.86 dBm -41.35 dBm	2 295932000 GHz	000 MHz 000 MHz	2 2960 GHz	Start Freq 2 2920 GHz	Range	60.0 60.0 Start
4.399000000 GH Auto Mar	Δ Limit -12.86 dB -16.35 dB	Amplitude 43.86 dBm 41.35 dBm -28.16 dBm	2 295932000 GHz 2 298584000 GHz	000 MHz 000 MHz 000 MHz	2 2960 GHz 2 3000 GHz	Start Freq 2 2920 GHz 2 2960 GHz	Range 1 2	so.o eo.o Start
4.399000000 GH Auto Mar Freq Offse	Δ Limit -12.86 dB -16.35 dB -15.16 dB	Amplitude 43.86.dBm 41.35.dBm -28.16.dBm -33.65.dBm	2 295932000 GHz 2 298584000 GHz 2 308784000 GHz	000 MHz 000 MHz 000 MHz 1.00 kHz	2 2960 GHz 2 3000 GHz 2 3090 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz	Range 1 2	so.o eo.o Start
4.399000000 GH Auto Mar Freq Offse	Δ Limit -12.86 dB -16.35 dB -15.16 dB -20.65 dB	Amplitude 43.86 dBm 41.35 dBm -28.16 dBm -33.65 dBm 6.867 dBm	2 295932000 GHz 2 298584000 GHz 2 308784000 GHz 2 309997000 GHz	000 MHz 000 MHz 000 MHz 1 00 kHz 00 0 kHz	2 2960 GHz 2 3000 GHz 2 3090 GHz 2 3100 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz 2 3090 GHz	Range 1 2 3 4	60.0 60.0 Start
4.399000000 GH Auto Mar Freq Offse	Δ Limit -12.86 dB -16.35 dB -15.16 dB -20.65 dB -23.13 dB	Amplitude 43.86 dBm 41.35 dBm -28.16 dBm -33.65 dBm 6.807 dBm -32.53 dBm	2 295932000 GHz 2 298584000 GHz 2 308784000 GHz 2 309997000 GHz 2 311460000 GHz	000 MHz 000 MHz 000 MHz 1.00 kHz 0.0 kHz 1.00 kHz	2 2960 GHz 2 3000 GHz 2 3090 GHz 2 3100 GHz 2 3100 GHz 2 3150 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz 2 3090 GHz 2 3100 GHz	Range 1 2 3 4 5	
4.399000000 GH Auto Mar Freq Offse	Δ Limit -12.86 dB -16.35 dB -15.16 dB -20.65 dB -23.13 dB -19.53 dB	Amplitude 43.86 dBm 41.35 dBm 28.16 dBm 33.85 dBm 6.867 dBm 32.53 dBm 22.99 dBm	2 295932000 GHz 2 298584000 GHz 2 308784000 GHz 2 309997000 GHz 2 311460000 GHz 2 315002000 GHz	000 MHz 000 MHz 000 MHz 1.00 kHz 0.0 kHz 1.00 kHz 1.00 kHz 0.00 MHz	2 2960 GHz 2 3000 GHz 2 3090 GHz 2 3100 GHz 2 3150 GHz 2 3150 GHz 2 3160 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz 2 3090 GHz 2 3100 GHz 2 3150 GHz	Range 1 2 3 4 5 6	60.0 60.0 Start

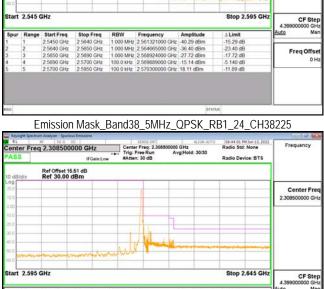


Frequency	Radio Std: None Radio Device: BTS	GHz gHold: 10/10	strist (117) ir Freq: 2.308500000 Free Run Av n: 30 dB	-+- Trig: F	DOO GHz IFGain:Low	2.3085000	Contraction of the local division of the loc	Cente PASS
						Ref Offset 15 Ref 30.00 c		t0 dB/
Center Freq 2.308500000 GHz			1					20.0 10.0 0.00
		france	mount	Ander	~	<u> </u>	tajanga	40.0 60.0 60.0
CF Ste	Stop 2.328 GHz	hamme	www	Ande		JHz	2.292 0	40.0 60.0
	Stop 2.328 GHz	Amplitude	Frequency	RBW	Stop Freq	0.00		40.0 60.0
4.399000000 GH	•			RBW	Stop Freq 2 2960 GHz	0.00		40.0 60.0 60.0 Start
4.399000000 GH Auto Ma	۵ Limit	-44.55 dBm	Frequency	RBW 1.000 MHz		Start Freq		40.0 60.0 60.0 Start
4.399000000 GH Auto Ma	Δ Limit -13.55 dB -11.54 dB -28.82 dB	-44.55 dBm -36.54 dBm -41.82 dBm	Frequency 2 293656000 GHz 2 297004000 GHz 2 301096000 GHz	RBW 1.000 MHz 1.000 MHz 1.000 MHz	2 2960 GHz 2 3000 GHz 2 3040 GHz	Start Freq 2 2920 GHz	Range	40.0 60.0 60.0 Start
4.399000000 GH Auto Ma	Δ Limit -13.55 dB -11.54 dB -28.82 dB -39.05 dB	-44.55 dBm -36.54 dBm -41.82 dBm -52.05 dBm	Frequency 2 293656000 GHz 2 297004000 GHz 2 301096000 GHz 2 304922000 GHz	RBW 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz	2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz 2 3040 GHz	Range 1 2	40.0 60.0 60.0 Start
4.399000000 GH Auto Ma	Δ Limit -13.55 dB -11.54 dB -28.82 dB -39.05 dB -11.43 dB	-44.55 dBm -36.54 dBm -41.82 dBm -52.05 dBm 18.57 dBm	Frequency 2 293656000 GHz 2 29704000 GHz 2 301096000 GHz 2 30492000 GHz 2 314375000 GHz	RBW 1.000 MHz 1.000 MHz 1.000 MHz 100.0 KHz 100.0 KHz	2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz 2 3150 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz	Range 1 2 3 4 5	40.0 60.0 60.0 Start
4.399000000 GH Auto Ma	Δ Limit -13.55 dB -11.54 dB -28.82 dB -39.05 dB -11.43 dB -22.12 dB	-44.55 dBm -36.54 dBm -41.82 dBm -52.05 dBm 18.57 dBm -35.12 dBm	Frequency 2 293656000 GHz 2 297004000 GHz 2 301996000 GHz 2 304922000 GHz 2 314375000 GHz 2 315059000 GHz	RBW 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz 100.0 kHz 100.0 kHz	2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz 2 3150 GHz 2 3150 GHz 2 3160 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz 2 3050 GHz 2 3150 GHz	Range 1 2 3 4 5 6	40.0 60.0 60.0 Start
4.399000000 GH Auto Ma	Δ Limit -13.55 dB -11.54 dB -28.82 dB -39.05 dB -11.43 dB	-44.55 dBm -36.54 dBm -41.82 dBm -52.05 dBm 18.57 dBm -35.12 dBm -41.49 dBm	Frequency 2 293656000 GHz 2 29704000 GHz 2 301096000 GHz 2 30492000 GHz 2 314375000 GHz	RBW 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz 100.0 kHz 100.0 kHz 100.0 kHz	2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz 2 3150 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz	Range 1 2 3 4 5	40.0 60.0 60.0 Start
4.399000000 GH Auto Ma	Δ Limit -13.55 dB -11.54 dB -28.82 dB -39.05 dB -11.43 dB -22.12 dB -22.49 dB	-44.55 dBm -36.54 dBm -41.82 dBm -52.05 dBm 18.57 dBm -35.12 dBm	Frequency 2 293656000 GHz 2 297004000 GHz 2 301996000 GHz 2 304922000 GHz 2 314375000 GHz 2 315059000 GHz	RBW 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz 100.0 kHz 100.0 kHz	2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz 2 3150 GHz 2 3150 GHz 2 3160 GHz		Start Frec 2 2920 GH 2 2960 GH 2 3000 GH 2 3040 GH 2 3050 GH 2 3150 GH	1 2 2920 GH 2 2 2960 GH 3 2 3000 GH 4 2 3040 GH 5 2 3050 GH 6 2 3150 GH

Emission Mask_Band30_10MHz_QPSK_RB50_0_CH27710

	Radio Std: None Radio Device: BTS	GHz g[Hold: 10/10	Freq: 2.30850000 Free Run /	Trig: I	000 GHz	2.308500		Cent
					.51 dB	Ref Offset 15		
					dBm	Ref 30.00 (ldiv	t0 dB
								200
Center Fre								
2.308500000 GH								10.0
			متيبتر مبانهده وارامه	North Sale			_	0.00
				1. 26. 201				10.0
			1	1				20.0
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					the state of the local division of	dana		30.0
	And Party in the local division in the	Station of the local division of the	-		Contraction of the	Contraction of the local division of the loc		40.0
	The second se	**						
						· · · · · · · · · · · · · · · · · · ·		50.0
								50.0
								60.0
CF Ste 4.39900000 GF	Stop 2.328 GHz					GHz	2.292 0	60.0
	Stop 2.328 GHz	Amplitude	Frequency	RBW	Stop Freq			60.0
4.399000000 GH			Frequency 2 295372000 GH		Stop Freq 2 2960 GHz		2.292 0	Start
4.399000000 GH Auto Ma	∆ Limit	-39.87 dBm		1.000 MHz		Start Freq	2.292 0	Start
4.399000000 GF Auto Ma	∆ Limit -8.874 dB	-39.87 dBm -33.09 dBm	2 295372000 GH	1.000 MHz 1.000 MHz	2.2960 GHz	Start Freq 2 2920 GHz	2.292 C Range	Start
4.399000000 GH Auto Ma	∆ Limit -8.874 dB -8.086 dB	-39.87 dBm -33.09 dBm -31.89 dBm	2 295372000 GH 2 298168000 GH	1.000 MHz 1.000 MHz 1.000 MHz	2 2960 GHz 2 3000 GHz	Start Freq 2 2920 GHz 2 2960 GHz	2.292 C	Start
4.399000000 GF Auto Ma	Δ Limit -8 874 dB -8.086 dB -18.89 dB	-39.87 dBm -33.09 dBm -31.89 dBm -35.48 dBm	2 295372000 GH 2 298168000 GH 2 303072000 GH	1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz	2 2960 GHz 2 3000 GHz 2 3040 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz	2.292 C Range 1 2 3	Start
4.399000000 GF Auto Ma	Δ Limit -8.874 dB -8.086 dB -18.89 dB -22.48 dB -26.12 dB -20.15 dB	-39.87 dBm -33.09 dBm -31.89 dBm -35.48 dBm 3.878 dBm -33.15 dBm	2 295372000 GH 2 298168000 GH 2 303072000 GH 2 304967000 GH 2 309550000 GH 2 315005000 GH	1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz 100.0 kHz 100.0 kHz 100.0 kHz	2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz 2 3150 GHz 2 3150 GHz 2 3160 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz 2 3150 GHz	2.292 C Range 1 2 3 4 5 6	Start
4.399000000 GF Auto Ma	Δ Limit -8.874 dB -8.086 dB -18.89 dB -22.48 dB -20.15 dB -21.33 dB	-39 87 dBm -33 09 dBm -31 89 dBm -35 48 dBm 3.878 dBm -33 15 dBm -34 33 dBm	2 295372000 GH 2 298168000 GH 2 303072000 GH 2 304967000 GH 2 309550000 GH 2 315005000 GH 2 316220000 GH	1.000 MHz 1.000 MHz 1.000 MHz 100.0 kHz 100.0 kHz 100.0 kHz 100.0 kHz 1.000 MHz	2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz 2 3150 GHz 2 3150 GHz 2 3160 GHz 2 3200 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz 2 3150 GHz 2 3160 GHz	2.292 C Range 1 2 3 4 5 6 7	Start
4.399000000 GF Auto Ma	Δ Limit -8.874 dB -8.086 dB -18.89 dB -22.48 dB -26.12 dB -20.15 dB	-39 87 dBm -33 09 dBm -31 89 dBm -35 48 dBm 3.878 dBm -33 15 dBm -34 33 dBm	2 295372000 GH 2 298168000 GH 2 303072000 GH 2 304967000 GH 2 309550000 GH 2 315005000 GH	1.000 MHz 1.000 MHz 1.000 MHz 100.0 kHz 100.0 kHz 100.0 kHz 100.0 kHz 1.000 MHz	2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz 2 3150 GHz 2 3150 GHz 2 3160 GHz	Start Freq 2 2920 GHz 2 2960 GHz 2 3000 GHz 2 3040 GHz 2 3050 GHz 2 3150 GHz	2.292 C Range 1 2 3 4 5 6	Start

Emission Mask_Band38_5MHz_QPSK_RB1_0_CH37775 06-42-21 PM Jun 13 Radio Std: None nter Freq 2.308500000 GHz 00 GHz Radio Device: BTS Ref Offset 15.51 dE Ref 30.00 dBm Center Fre 2.545 GH Stop 2.595 GH CF Step 4.39 Start Freq A Limit Range Stop Freq RBW Frequency Amp -15 29 dE -23 40 dE -17 72 dE -5 140 dE -11 89 dB 2 5450 GHz 2 5640 GHz 2.5613210 40.29 d 36.40 d Freq Offse



M Start Freq 3.141 dB Freq Offse OH 23.33 d 00 MH;

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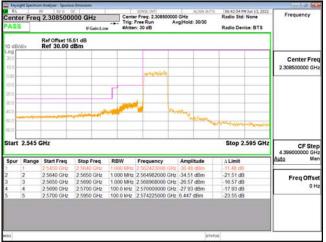
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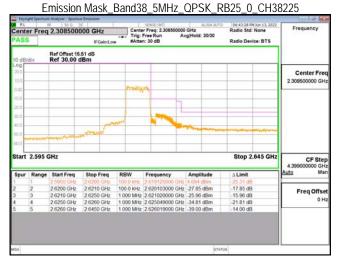
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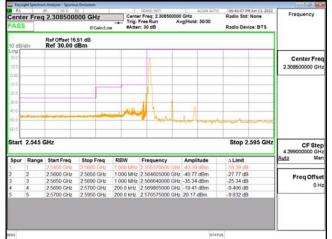
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Emission Mask_Band38_5MHz_QPSK_RB25_0_CH37775

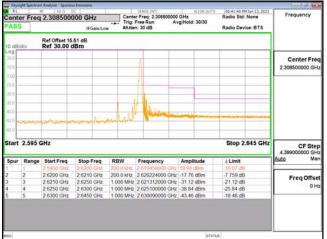




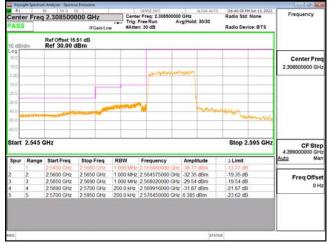
Emission Mask_Band38_10MHz_QPSK_RB1_0_CH37800



Emission Mask_Band38_10MHz_QPSK_RB1_49_CH38200



Emission Mask_Band38_10MHz_QPSK_RB50_0_CH37800







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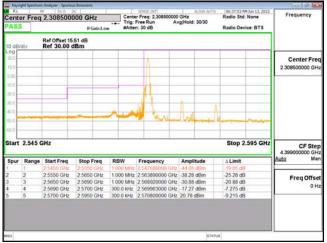
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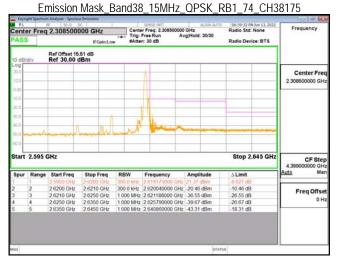
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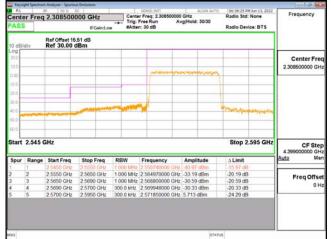
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Emission Mask_Band38_15MHz_QPSK_RB1_0_CH37825

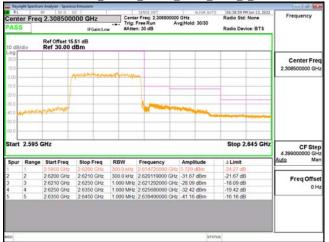




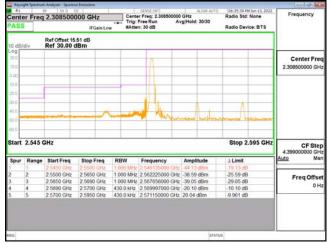
Emission Mask_Band38_15MHz_QPSK_RB75_0_CH37825



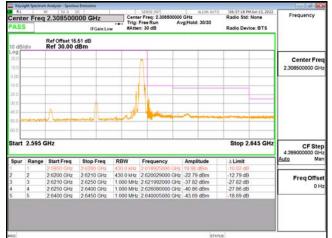
Emission Mask_Band38_15MHz_QPSK_RB75_0_CH38175



Emission Mask_Band38_20MHz_QPSK RB1 0 CH37850







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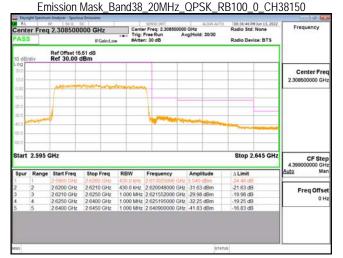
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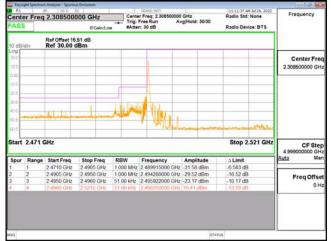
Report No.: TERF2206000793ER Page: 128 of 231

Emission Mask_Band38_20MHz_QPSK_RB100_0_CH37850

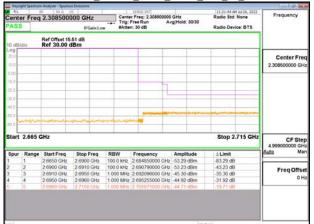
Frequency		Radio Std	30/30	00 GHz Avg(Hold:		Center Trig: F #Atten	Hz Gain:Low		2.3085000		Cente PASS
									Ref Offset 15 Ref 30.00 c		t0 dB/
Center Free 2.308500000 GH											20.0 10.0
		mon	A Tank and the	dian.	and the second		-	_			0.00
1											20.0
							-				30.0
1	W/Wiresself			-			and the second				40.0
1											60.0
CF Step 4.39900000 GH	2.595 GHz	Stop 2		_		1	-		GHz	2.545 0	Start
Auto Mar		۵ Limit	tude	Ampli	quency	RBW	Freq	Stop	Start Freq	Range	Spur
	3	-16.27 df	dBim	2 -41.27	45805000 GI	000 MHz 1	0 GHz	2.5500	2 5450 GHz	1	1
Freq Offse		-22.22 dt			54580000 GI			2.5650	2.5500 GHz	2	2
OH		-21.78 dt			68856000 GI			2.5690	2.5650 GHz	3	3
U OH	3	-22.29 dt			59983000 GI		0 GHz	2.5700	2.5690 GHz	4	4
		-24 50 df	fBm	- E 400 -	7600000 (31	30.0 kHz	0 GHz	2 505/	2.5700 GHz	5	K.



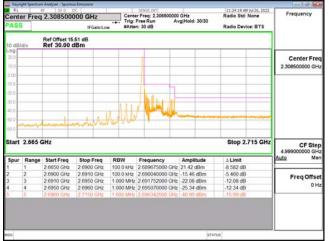
Emission Mask_Band41_5MHz_QPSK_RB1_0_CH39675



Emission Mask_Band41_5MHz_QPSK_RB1_24_CH40620



Emission Mask_Band41_5MHz_QPSK_RB1_24_CH41565



Emission Mask_Band41_5MHz_QPSK_RB25_0_CH39675



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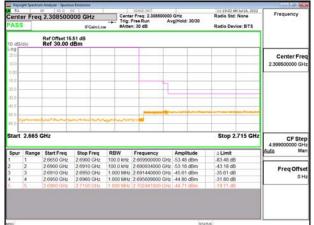
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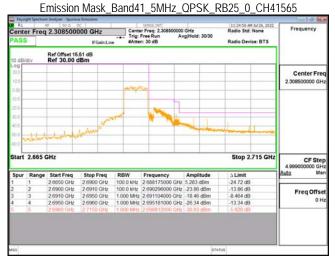
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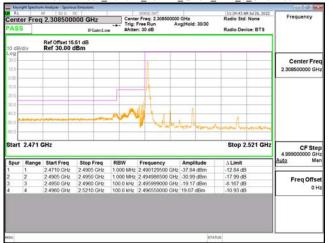
Report No.: TERF2206000793ER Page: 129 of 231

Emission Mask_Band41_5MHz_QPSK_RB25_0_CH40620

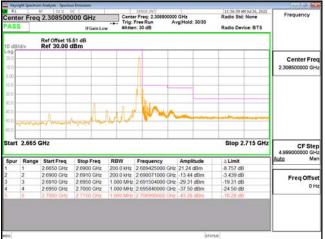




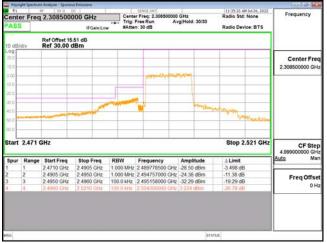
Emission Mask_Band41_10MHz_QPSK_RB1_0_CH39700



Emission Mask_Band41_10MHz_QPSK_RB1_49_CH41540



Emission Mask_Band41_10MHz_QPSK_RB50_0_CH39700



Emission Mask_Band41_10MHz_QPSK_RB50_0_CH41540



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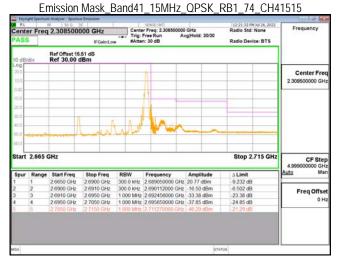
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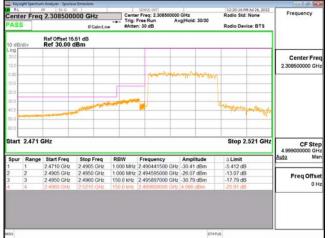


Emission Mask Band41 15MHz QPSK RB1 0 CH39725

Center Fre	Radio Device: BTS	ginoia, seise	PE 50.0 DC SINSE INT 12:19-37 PM Ad 26, 2022 Q 2.308500000 GHz Center Free 2.308500000 GHz Radio Std: None Trig: Free Run Avgihold: 30:30		er Freq	Cente		
Center Fre			en: 30 dB		IFGain:Lov		S	PASS
Center Fre						Ref Offset 15 Ref 30.00 (10 dB/
0.00000000000000			X					20.0 10.0
2.308500000 GH								0.00
								10.0
								20.0
			114					30.0
-		1						1.5
					1.			40.0
	and and	Artonew	Y lull	- And				40.0
~	an a	Automan	Y Kalip			******		
Gr Ste	Stop 2.521 GHz	Automa	Y lolly-			3Hz	2.471 0	60.0 60.0
Hz CF Ste 4.99900000 GH Auto Ma	Stop 2.521 GHz	Amplitude	Frequency	RBW	Stop Freq			60.0 60.0
4.999000000 GH			Frequency 2 2490402500 GHz		Stop Freq 2 4905 GHz			eo o Start
4.999000000 GH Auto Ma	Δ Limit -13.76 dB -21.05 dB	-38.76 dBm -34.05 dBm	z 2.490402500 GHz z 2.493600500 GHz	1.000 MHz 1.000 MHz	2 4905 GHz 2 4950 GHz	Start Freq 2.4710 GHz 2.4905 GHz	Range 1 2	so o eo o Start
4.999000000 GH	∆ Limit -13.76 dB	-38.76 dBm -34.05 dBm -28.55 dBm	z 2.490402500 GHz	1.000 MHz 1.000 MHz 150.0 kHz	2.4905 GHz	Start Freq 2.4710 GHz	Range 1	so o eo o Start

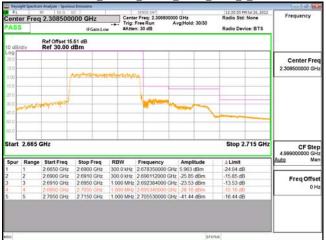


Emission Mask_Band41_15MHz_QPSK_RB75_0_CH39725

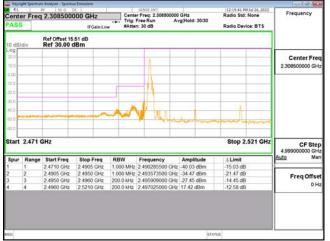


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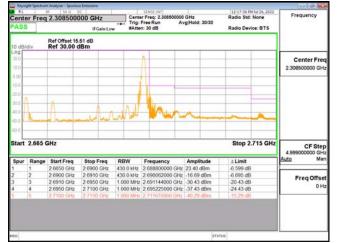
Emission Mask_Band41_15MHz_QPSK_RB75_0_CH41515



Emission Mask_Band41_20MHz_QPSK_ _RB1_0_CH39750



Emission Mask_Band41_20MHz_QPSK_RB1_99_CH41490



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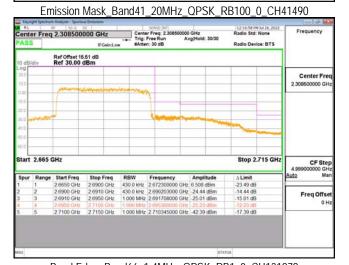
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Emission Mask_Band41_20MHz_QPSK_RB100_0_CH39750

Frequency	Statisticitum 12:16:19 PM 3d 26, 2022 Center Free; 2:008500000 GHz Radio Std: None * Trig: Free Run Avg[Hold: 30:30 #Atten: 30 dB Radio Device: BTS			Trig: F	IFGain:Lov	2.308500		Cente PASS
						Ref Offset 15 Ref 30.00 (t0 dB/
Center Fre 2.308500000 GH								20.0 10.0
	admin	a section of the sect	(may your					0.00
								20.0
	howar	-		-	-			30.0
							-	40.0
								60.0
CF Ste	Stop 2.521 GHz					GHz	2.471 0	Start
Auto Ma	∆ Limit	Amplitude	Frequency	RBW	Stop Freq	Start Freq	Range	Spur
	-5.341 dB	-30.34 dBm	2.488199000 GHz	1.000 MHz	2.4905 GHz	2.4710 GHz	1	1
Freq Offse	-14.84 dB		2.494775000 GHz		2.4950 GHz	2.4905 GHz	2	2
OH	-17.82 dB		2.495066000 GHz		2.4960 GHz	2.4950 GHz	3	3
	-27.37 dB	2 628 dBm	2.510825000 GHz	200.0 kHz	2.5210 GHz	2.4960 GHz	4	4



Band Edge_Band66_1.4MHz_QPSK_RB1_0_CH131979

1010 80					commentation of the second second	
Frequency		#Avg Type: RMS	SENSE INT	00 GHz	req 1.710000000	Center Fr
Auto Tun	cr1 1.710 000 GHz -24.00 dBm	Mk	#Atten: 30 dB		Ref Offset 15.19 dB	10 dB/div
Center Free 1.71000000 GH			1	n	e 1 Pass	Log
Start Free 1.708500000 GH		12	2			-10-0 -20-0 -30-0 -40.0
Stop Fre 1.711500000 GH						50.0 -60.0 -70.0
CF Stej 300.000 kH Auto Ma	Span 3.000 MHz 5 1.400 ms (1001 pts)	Sweep		×	10 SOL X	#Res BW
Freq Offse 0 H			-24.00 dBm	.710 000 GHz	f 1.7	1 N 1 2 3 4 5
Scale Type						6 7 8 9 10 11
	(ATUS	st				*

Band Edge_Band66_1.4MHz_QPSK_RB1_5_CH132665



Band Edge_Band66_1.4MHz_QPSK_RB6_0_CH131979







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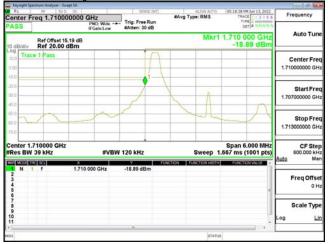
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Report No.: TERF2206000793ER Page: 132 of 231

Band Edge_Band66_3MHz_QPSK_RB1_0_CH131987

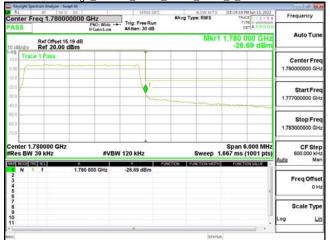




Band Edge_Band66_3MHz_QPSK_RB15_0_CH131987

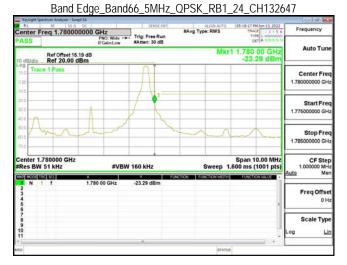
Keysight Spectrum Analyzer					0 9 4
Center Freq 1.710	0000000 GHz	SENSE:INT	#Avg Type: RMS	05:18:58 PM Jun 13, 2022 TRACE 1 2 3 4 5 6 TYPE A WARMAN	Frequency
PASS	PNO: Wide ** IFGain:Low	#Atten: 30 dB		DET A NINN N	
to dB/div Ref 20.0			Mkr1	1.710 000 GHz -27.92 dBm	Auto Tun
10 0 Trace 1 Pass		-			Center Fre 1.710000000 GH
10.8					
30.0					Start Fre 1.707000000 GF
50.0					Stop Fre
70.0					1.713000000 G
Center 1.710000 GH Res BW 39 kHz		W 120 kHz	Sweep 1	Span 6.000 MHz .667 ms (1001 pts)	CF Ste 600.000 kit Auto Mi
	1,710 000 GHz	-27.92 dBm	INCTION FUNCTION WIDTH	FUNCTION VALUE	Auto mi
2 3 4 6					Freq Offs 0 F
6 7 8 9					Scale Typ
10					Log L
*1			STATU	1	

Band Edge_Band66_3MHz_QPSK_RB15_0_CH132657



Band Edge_Band66_5MHz QPSK RB1_0_CH131997





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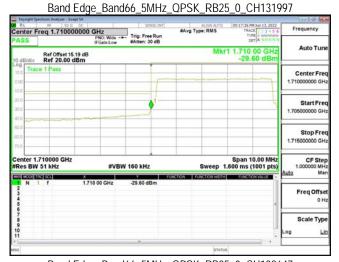
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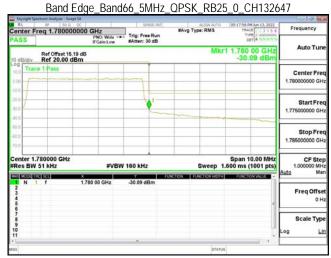
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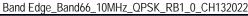
t (886-2) 2299-3279

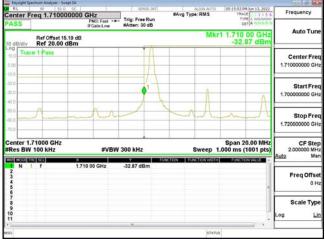
f (886-2) 2298-0488





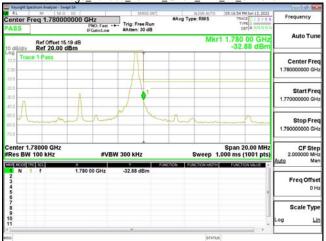




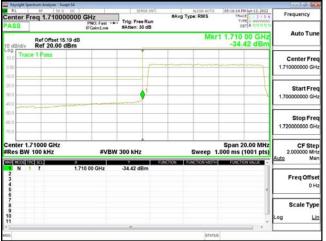


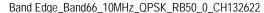
Report No.: TERF2206000793ER Page: 133 of 231

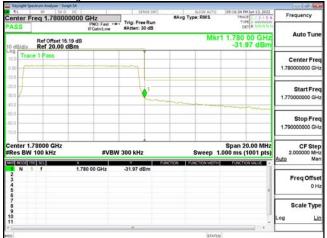
Band Edge_Band66_10MHz_QPSK_RB1_49_CH132622



Band Edge_Band66_10MHz QPSK RB50_0_CH132022







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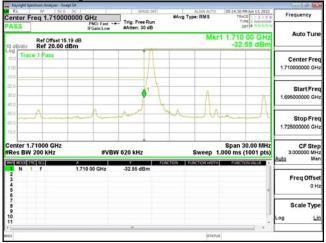
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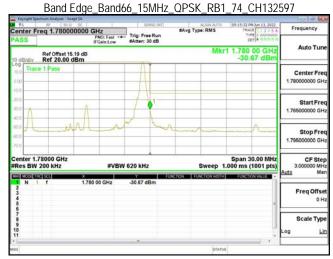
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Band Edge_Band66_15MHz_QPSK_RB1_0_CH132047





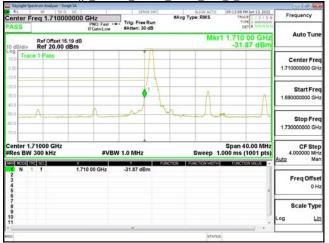
Band Edge_Band66_15MHz_QPSK_RB75_0_CH132047

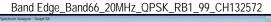
Ref Offset 15.19 dB Mkr1 1.710000 GHz Frequency 0.0000/00 GHz 0.00000/00 GHz 0.000000/00 GHz 0.0000000/00 GHz 0.0000000/00 GHz </th <th>Keysight Spectrum Analyzer - Swept SA</th> <th></th> <th></th> <th></th> <th></th> <th>0-9-6</th>	Keysight Spectrum Analyzer - Swept SA					0-9-6
ALSS DFCainLow EAfline: 30 dB Cert A MARKIN Ref Offset 15:19 dB Mkr1 1.710 00 GHz -35.75 dBm -35.75 dBm Or Bladv Ref 20:00 dBm -35.75 dBm -35.75 dBm Or Bladv Ref 20:00 dBm -35.75 dBm -35.75 dBm Or Bladv Ref 20:00 dBm -35.75 dBm -35.75 dBm Or Bladv Ref 20:00 dBm -35.75 dBm -35.75 dBm Or Bladv Ref 20:00 dBm -35.75 dBm -35.75 dBm Or Bladv Ref 20:00 dBm -35.75 dBm -35.75 dBm Other -35.75 dBm -35.75 dBm -35.75 dBm	Center Freq 1.7100000	00 GHz			TRACE 123456	Frequency
Ref Offset 15:19 dB INFT 1.710 00 GHz 00 Diadov -35.75 dBm 01 Trace 1 Pass -35.75 dBm 02 Diadov -35.75 dBm 03 Diadov -35.75 dBm 04 Diadov -35.75 dBm 05 Diadov -35.75 dBm 04 Diadov -35.75 dBm 05	PASS	IFGain:Low	#Atten: 30 dB			Auto Tun
Trace 1 Pass Center F 1 Center F 2 Store F 3 Store F 3 Store F 2 Store F	to dBidiv Ref 20.00 dBm			MKr		
101 1	Trace 1 Pass					Center Fre
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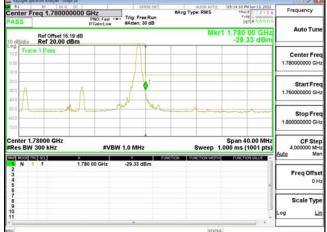
Band Edge_Band66_15MHz_QPSK_RB75_0_CH132597



Band Edge_Band66_20MHz_QPSK RB1_0_CH132072







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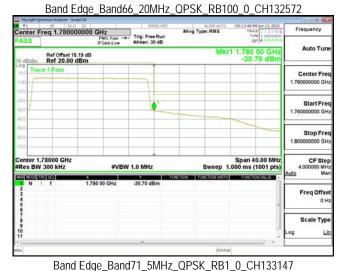
t (886-2) 2299-3279 f (886-2) 2298-0488

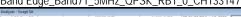


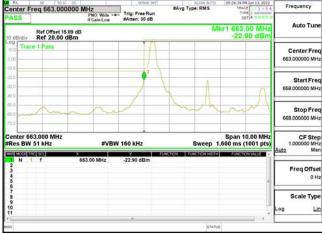
Report No.: TERF2206000793ER Page: 135 of 231

Band Edge_Band66_20MHz_QPSK_RB100_0_CH132072

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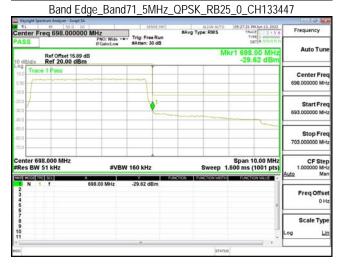


Band Edge_Band71_5MHz_QPSK_RB1_24_CH133447



Band Edge_Band71_5MHz_QPSK RB25_ 0 CH133147





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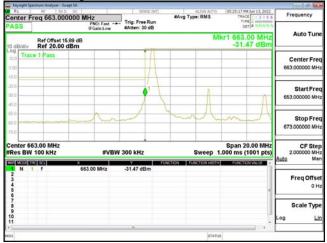
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Report No.: TERF2206000793ER Page: 136 of 231

Band Edge_Band71_10MHz_QPSK_RB1_0_CH133172

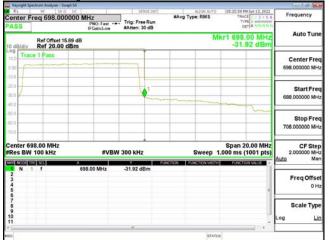




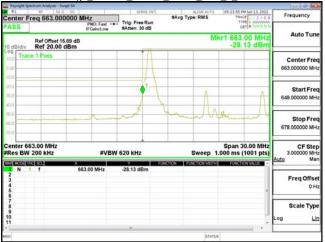
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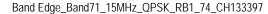


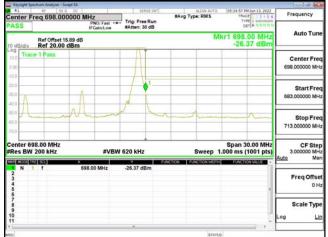
Band Edge_Band71_10MHz_QPSK_RB50_0_CH133422



Band Edge_Band71_15MHz_QPSK_ _RB1_0_CH133197







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Band Edge_Band71_15MHz_QPSK_RB75_0_CH133197

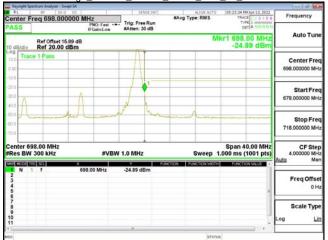




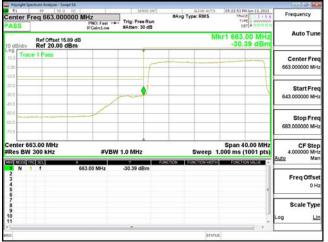
Band Edge_Band71_20MHz_QPSK_RB1_0_CH133222

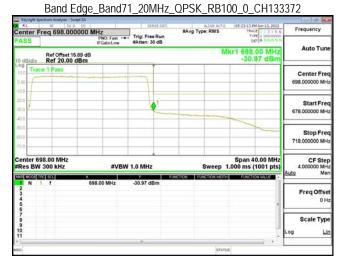


Band Edge_Band71_20MHz_QPSK_RB1_99_CH133372



Band Edge_Band71_20MHz_QPSK_RB100_0_CH133222





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9 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

9.1 Standard Applicable

According to FCC §2.1053,

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

RSS-130 §4.7, RSS-132 §5.5, RSS-133 §6.5.1, RSS-139 §6.6, RSS-140 §4.4, RSS-195 §5.6, RSS-199 §4.5

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(a)

For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:

- (4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:
 - (ii) By a factor of not less than 70 + 10 log (P) dB below 2288 MHz;
 - (iii) By a factor of not less than 70 + 10 log (P) dB above 2365 MHz.

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 §90.543 (f)

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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

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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 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.

RSS-199 §4.5

In the 1 MHz band immediately outside and adjacent to the channel edge, the unwanted emission power shall be measured with a resolution bandwidth of at least 1% of the occupied bandwidth for base station and fixed subscriber equipment, and 2% for mobile subscriber equipment. Beyond the 1 MHz band, a resolution bandwidth of 1 MHz shall be used. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz, or 1% or 2% of the occupied bandwidth, as applicable.

Equipment shall comply with the following unwanted emission limits:

for base station and fixed subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least 43 + 10 log10 p for mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least:

40 + 10 log10 p from the channel edges to 5 MHz away

43 + 10 log10 p between 5 MHz and X MHz from the channel edges, and

55 + 10 log10 p at X MHz and beyond from the channel edges

In addition, the attenuation shall not be less than 43 + 10 log10 p on all frequencies between 2490.5 MHz and 2496 MHz, and 55 + 10 log10 p at or below 2490.5 MHz.

In (a) and (b), p is the transmitter power measured in watts and X is 6 MHz or the equipment occupied bandwidth, whichever is greater.

§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

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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.

RSS-130 §4.7.1

Compliance for operations in the 617-652 MHz, 663-698 MHz, 698-756 MHz and the 777-787 MHz band, the unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least 43 + 10 log10 p (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

RSS-130 §4.7.2

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:

76 + 10 log10 p (watts), dB, for base and fixed equipment and

65 + 10 log10 p (watts), dB, for mobile and portable equipment

the e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.

RSS-132 §5.5

Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

- i. In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10p (watts).
- ii. After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

RSS-133 §6.5.1

Equipment shall comply with the limits in (i) and (ii) below.

- i. In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10p(watts).
- ii. After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10p(watts). If the measurement is performed using 1% of the emission bandwidth, power integration over 1.0 MHz is required.

RSS-139 §6.6

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In the first 1.0 MHz bands immediately outside and adjacent to the equipment's smallest operating frequency block, Footnote 2 which can contain the equipment's occupied bandwidth, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least 43 + 10 log10 p (watts) dB.

After the first 1.0 MHz outside the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least 43 + 10 log10 p (watts) dB.

RSS-140 §4.4

- a. For any frequency between 769-775 MHz and 799-806 MHz:
 - i. 76 + 10 log (p), dB in a 6.25 kHz band for fixed and base station equipment
 - ii. 65 + 10 log (p), dB in a 6.25 kHz band for mobile and portable/hand-held equipment
- b. For any frequency between 775-788 MHz, above 806 MHz, and below 758 MHz: 43 + 10 log (p), dB in a bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency bands 758-768 MHz and 788-798 MHz, a resolution bandwidth of 30 kHz may be employed.

RSS-195 §5.6

The power of any emission outside the frequency range(s) in which the equipment operates shall be attenuated below the transmitter power, P(dBW), by the amount indicated in Table 2, where p is the transmitter output power measured in watts.

Table 2 — Unwanted Emissions for Mobile, Portable and Low-Power Fixed Subscriber Equipment						
Frequency (MHz)	Attenuation (dB)	Frequency (MHz)	Attenuation (dB)			
<2200	43 + 10 log10(p)	2324 - 2328	61 + 10 log₁₀(p)			
2200 - 2288	70 + 10 log10(p)	2328 - 2337	67 + 10 log10(p)			
2288 - 2292	67 + 10 log10(p)	2337 - 2341	61 + 10 log10(p)			
2292 - 2296	61 + 10 log10(p)	2341 - 2345	55 + 10 log10(p)			
2296 - 2300	55 + 10 log10(p)	2345 - 2360	43 + 10 log10(p)			
			FootnoteNote			
2300 - 2305	43 + 10 log10(p)	2360 - 2365	43 + 10 log10(p)			
2305 - 2320	43 + 10 log10(p)	2365 - 2395	70 + 10 log10(p)			
	FootnoteNote					
2320 - 2324	55 + 10 log10(p)	>2395	43 + 10 log10(p)			
Note Mobile and portable equipment are prohibited from transmitting in the bands 2315-2320 MHz						
and 2345-2350 MHz. In	i addition, mobile and p	ortable equipment emplo	ying FDD technology shall be			

restricted to transmitting in the band 2305-2315 MHz.

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

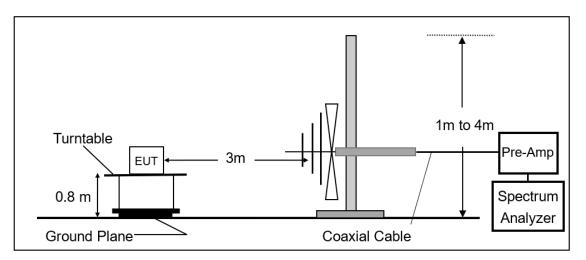
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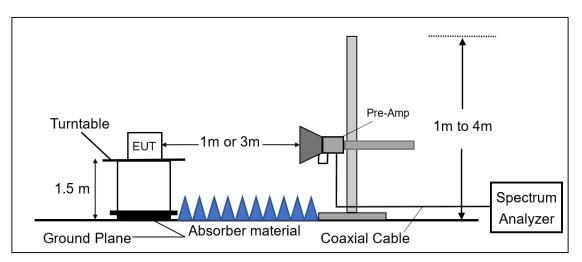


9.2 EUT Setup

Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1GHz.



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9.3 Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

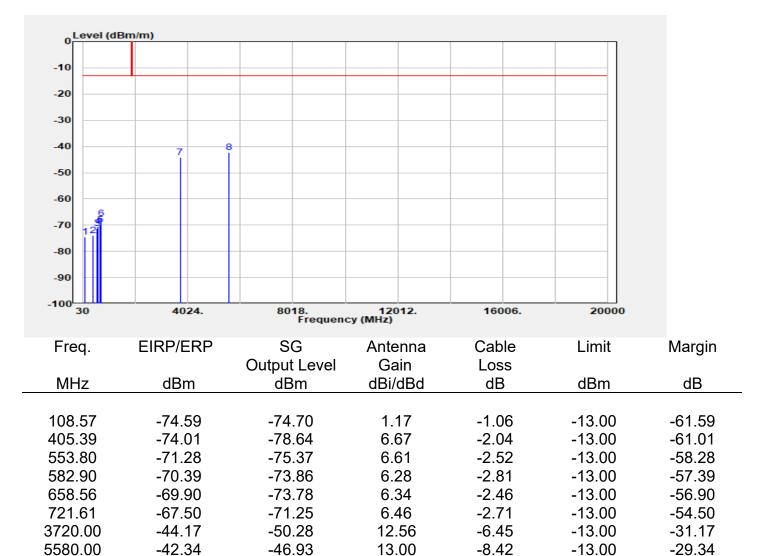
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9.4 Measurement Result:

Report Number	:TERF2206000793ER	Test Site	:SAC 1
Operation Mode	:LTE B2	Test Date	:2022-06-16
Test Mode	:Tx	Temp./Humi.	:24.3/63
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:1860 MHz	Engineer	:GN Lin



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

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Report Number	:TERF2206000793ER
Operation Mode	:LTE B2
Test Mode	:Tx
EUT Pol	:H Plane
Test Frequency	:1860 MHz

Test Site	:SAC 1
Test Date	:2022-06-16
Temp./Humi.	:24.3/63
Antenna Pol.	:Horizontal
Engineer	:GN Lin

0 Level (dl	Bm/m)					
-10						
-20						
-30						
-40		3				
-50	7					
-60						
-70						
-80						
-90						
-100 30	4024.	8018. Frequenc	12012. :y (MHz)	16006.	20000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
•		Output Level	Gain	Loss		Ū
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
121.18	-74.79	-74.40	0.76	-1.15	-13.00	-61.79
355.92	-73.36	-78.05	6.73	-2.04	-13.00	-60.36
403.45	-73.01	-77.58	6.67	-2.10	-13.00	-60.01
582.90	-72.55	-76.02	6.28	-2.81	-13.00	-59.55
698.33	-71.95	-75.27	6.24	-2.92	-13.00	-58.95
713.85	00.40	70.64	6.20	-2.96	-13.00	-56.40
110.00	-69.40	-72.64	0.20	-2.90	-10.00	-00.40
3720.00	-69.40 -48.43	-72.64 -54.54	12.56	-2.90 -6.45	-13.00	-35.43

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Report Number	:TERF2206000793ER
Operation Mode	:LTE B2
Test Mode	:Tx
EUT Pol	:H Plane
Test Frequency	:1880 MHz

Test Site	:SAC 1
Test Date	:2022-06-16
Temp./Humi.	:24.3/63
Antenna Pol.	:Vertical
Engineer	:GN Lin

O Level (dl	Bm/m)					
-10						
-20						
-30						
-40		3				
-50						
-60						
-70 23						
-80						
-90						
-100 30	4024.	8018.	12012.	16006.	20000	
50	4024.	Frequenc	y (MHz)	10000.	20000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
108.57	-74.57	-74.67	1.17	-1.06	-13.00	-61.57
152.22	-74.68	-74.19	0.69	-1.19	-13.00	-61.68
234.67	-75.59	-80.66	6.68	-1.61	-13.00	-62.59
629.46	-69.37	-72.91	6.01	-2.48	-13.00	-56.37
710.94	-68.34	-71.42	6.16	-3.09	-13.00	-55.34
729.37	-68.49	-71.83	6.11	-2.77	-13.00	-55.49
3760.00	-43.38	-49.12	12.50	-6.77	-13.00	-30.38

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Report Number	:TERF2206000793ER
Operation Mode	:LTE B2
Test Mode	:Tx
EUT Pol	:H Plane
Test Frequency	:1880 MHz

Test Site	:SAC 1
Test Date	:2022-06-16
Temp./Humi.	:24.3/63
Antenna Pol.	:Horizontal
Engineer	:GN Lin

0 Level (di	Bm/m)					
0						
-10						
-20						
-30						
-40						
-40	7					
-50						
-60						
-70 125						
-80						
-90						
100 30	4024.	8018.	12012.	16006.	20000	
		Frequenc	y (MHz)			
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
43.58	-74.26	-63.04	-10.53	-0.69	-13.00	-61.26
101.78	-75.93	-76.34	1.44	-1.03	-13.00	-62.93
359.80	-73.99	-78.75	6.75	-1.99	-13.00	-60.99
	-74.37	-78.65	6.65	-2.38	-13.00	-61.37
545.07	-14.51					
545.07 637.22	-73.64	-77.33	6.01	-2.31	-13.00	-60.64
637.22	-		6.01 6.16	-2.31 -2.75	-13.00 -13.00	-60.64 -56.17
	-73.64	-77.33				

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Report Number	:TERF2206000793ER
Operation Mode	:LTE B2
Test Mode	:Tx
EUT Pol	:H Plane
Test Frequency	:1900 MHz

Test Site	:SAC 1
Test Date	:2022-06-16
Temp./Humi.	:24.3/63
Antenna Pol.	:Vertical
Engineer	:GN Lin

0 Level (dl	Bm/m)					
0(u						
-10						
-20						
-30						
-40	7	8				
-50						
-60						
-70 23						
-80						
-90						
-100						
30	4024.	8018. Frequenc	12012. cy (MHz)	16006.	20000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
100 70	75.04	75 60	1 40	1.04	12.00	60.04
103.72 155.13	-75.24	-75.60	1.40	-1.04	-13.00	-62.24
	71 56	71 00	074	1 0 0	12 00	61 66
	-74.56	-74.08	0.74 6.67	-1.22	-13.00 13.00	-61.56
400.54	-74.65	-79.14	6.67	-2.18	-13.00	-61.65
400.54 601.33	-74.65 -71.17	-79.14 -74.53	6.67 6.01	-2.18 -2.64	-13.00 -13.00	-61.65 -58.17
400.54 601.33 691.54	-74.65 -71.17 -69.58	-79.14 -74.53 -72.77	6.67 6.01 6.29	-2.18 -2.64 -3.09	-13.00 -13.00 -13.00	-61.65 -58.17 -56.58
400.54 601.33	-74.65 -71.17	-79.14 -74.53	6.67 6.01	-2.18 -2.64	-13.00 -13.00	-61.65 -58.17

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Report Number	:TERF2206000793ER
Operation Mode	:LTE B2
Test Mode	:Tx
EUT Pol	:H Plane
Test Frequency	:1900 MHz

Test Site	:SAC 1
Test Date	:2022-06-16
Temp./Humi.	:24.3/63
Antenna Pol.	:Horizontal
Engineer	:GN Lin

0 Level (di	Bm/m)					
-10						
-20						
-30						
-40	7	•				
-50						
-60						
-70 1 6						
297						
-80						
-90						
-100	4024.	8018.	12012.	16006.	20000	
50	4024.	Frequenc		10000.	20000	
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
40.67	-69.83	-58.40	-10.76	-0.68	-13.00	-56.83
123.12	-75.86	-75.41	0.71	-1.16	-13.00	-62.86
355.92	-74.38	-79.06	6.73	-2.04	-13.00	-61.38
392.78	-73.61	-78.10	6.59	-2.11	-13.00	-60.61
624.61	-73.26	-76.85	6.04	-2.45	-13.00	-60.26
721.61	-69.57	-73.32	6.46	-2.71	-13.00	-56.57
3800.00	-48.01	-53.94	12.50	-6.57	-13.00	-35.01
5700.00	-44.14	-48.81	13.10	-8.44	-13.00	-31.14

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