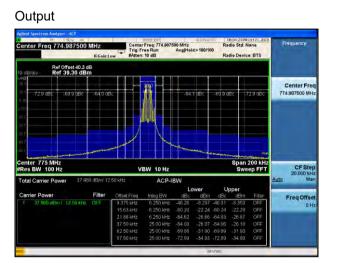


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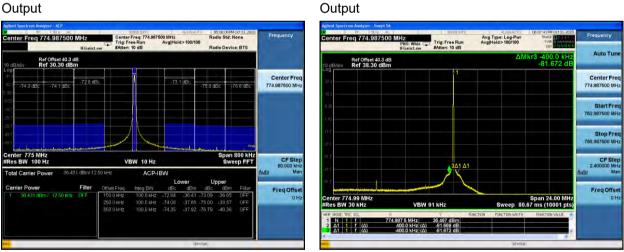
1.3.5 Pre-AGC_ Highest frequency

Input

Open Open <th< th=""><th>Center Freq 774.987500 MHz</th><th>Cen Trig</th><th>ter Freq: 774.987 Free Run en: 10 dB</th><th></th><th>> 100/10</th><th>Ra</th><th>dio Std: M dio Devic</th><th></th><th>Frequency</th></th<>	Center Freq 774.987500 MHz	Cen Trig	ter Freq: 774.987 Free Run en: 10 dB		> 100/10	Ra	dio Std: M dio Devic		Frequency
No. State -813 dBC -812 dBC -81	10 de/div Ref -10.00 dBm				1		-		
Carrier Power Filter Offset Frag Mag Constraint Span 200 MHz Aug CF Site Carrier Power -0.8599.dbm/12.50 MHz VBW 10 Hz Span 200 MHz Aug	00 00 00 00 00 00 00 00 00 00 00 00 00	aBc		-81,3	dBc	-8154	BC - E	31.2 dBc	Center Fred 774 987500 MH
Carrier Power Filter Ottoet Frag. Itting BV dBc. dBc. dBc. dBc. dBc. GBc. dBc. GBc. <	Center 775 MHz #Res BW 100 Hz			BW				200 kHz ep FFT	CF Stej 20.000 kH Auto Mar
1 4) 859 dfilm / 12.50 kHz (341) 1555 kHz 6:250 Hz 433 - 764 94 - 856 - 7652 0FF 1555 kHz 6:250 Hz - 851 - 92.77 - 852 - 92.78 0FF 3750 kHz 6:250 Hz - 851 - 92.77 - 852 - 92.78 0FF 3750 kHz - 850 Hz - 851 - 92.77 - 852 - 92.78 0FF 6250 kHz - 812 - 884 - 810 0FF 6250 kHz - 812 - 884 - 810 0FF				Lo	wer	U	oper		
1583.9472 6.250.1472 8.84.00 9.176 8.48.11 91.66 OFF 2.188.9472 6.250.1472 -85.91 -92.77 -85.92 -92.78 OFF 37.550.1472 25.00.1472 -81.24 -88.10 -81.33 -88.19 OFF 6.250.1472 25.01.1472 -31.53 -88.39 4151 -83.87 OFF		GIIGGETTES				dBc	dBm		Freq Offse
21884Ht 62504Ht -8591 -9277 -8592 -9278 OFF 37504Ht 25004Ht -8124 -8810 -8133 -8819 OFF 62504Ht 25064Ht -3134 -8810 -8151 -8837 OFF	1 -6.859 dBm / 12.50 kHz OFT								OH
37 50 kHz 25 00 kHz .81 24 .88 10 .81 33 .88 19 OFF 62 50 kHz 25 00 kHz .81 53 .88 39 .81 51 .88 37 OFF									
62.50 kHz 25.00 kHz .81.53 .88.39 .81.51 .88.37 OFF									



<u>____</u>





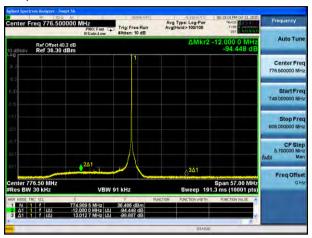


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Output



1.3.6 3dB above AGC_ Highest frequency

Center F 774.987500 M
CF St 20.000 1
uto N
FreqOff
o

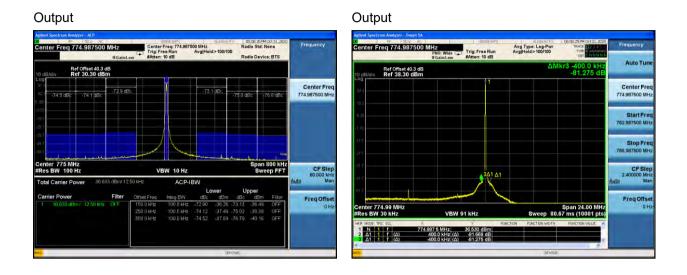


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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn 中国 ·深圳 · 科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.com kHz Man



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Output

Center Freq 776.500000		Avg Type: Log-Pwr Avg Held>100/100	06:43:44 PM Oct 31, 2020 TRACE 1 2 3 4 5 TYPE A VANAGE DET S N 1911 N 1	Frequency
Ref Offset 40.3 dE		∆Mkr2	-12.000 0 MHz -94.137 dB	Auto Tune
26.3				Center Fre 776.500000 MH
6 3) 1 70				Start Fre 748.000000 MH
287				Stop Fre 805.000000 MH
53 X	A2A1			CF Ste 5.700000 MH Auto Ma
Center 776.50 MHz Res BW 30 kHz	VBW 91 kHz	3∆1 Sweep 191	Span 57.00 MHz .3 ms (10001 pts)	Freq Offse 0 H
2 Δ1 1 f (Δ) -1	4.989 5 MHz 36,423 dBm 2.000 0 MHz (Δ) -94,137 dB 3.012 7 MHz (Δ) -98.390 dB	FUNCTION FUNCTION WIDTH	FUNCTION VALUE	
sq.		STATUS		



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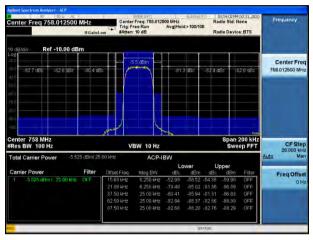


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1.3 Adjacent Channel Power (25kHz TETRA)

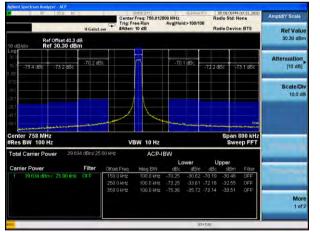
1.3.1 Pre-AGC_ Lowest frequency

Input

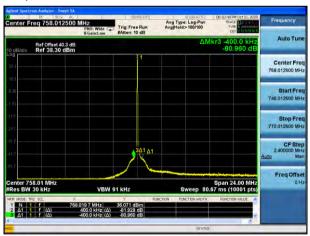


Output Center Freq 758.012500 MHz Center Status Center Status

Output



Output





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Output

eq 776.500000	PNO: Fast		Avg Type: Log-Pwr		
	IFGain:Low	Trig: Free Run #Atten: 10 dB	Avg[Hold>100/100	TRACE 12345 TYPE A MANAGAMAN DET SIN FININ T	Frequency
Ref Offset 40.3 dB Ref 36.30 dBm			ΔMkr2	-95.332 dB	Auto Tune
					Center Fred 776 500000 MH
					Start Free 748.000000 MH
					Stop Free 805.000000 MH
		A1			CF Step 5.700000 MH Auto Mar
	•		3∆1	of block his domestic data and the state of	FreqOffse
	VBW 9	1 kHz	Sweep 19	Span 57.00 MH2 1.3 ms (10001 pts)	UR
f (Δ) 12	.000 0 MHz (Δ)		INCTION FUNCTION WIDTH	FUNCTION VALUE	
	5.50 MHz 10 KHz 10 KHz 17 (20) 12	5.50 MHz 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2Δ1 2Δ1 2Δ1 2Δ1 2Δ1 2Δ1 2Δ1 2Δ1	5.50 MHz 1 0 KHz VBW 91 KHz Sweep 191 10 KHz VBW 91 KHz Sweep 191 11 12 000 MHz(a) 95 532 dB1 12 000 MHz(b) 95 50 50 MHz(b) 95 50 50 MHz(b) 95	3.50 MHz \$2Δ1 \$3Δ1 5.50 MHz Span 57.00 MHz Span 57.00 MHz 0 KHz VBW 91 KHz Sweep 191.3 ms (18001 pts) 11 759 009 2 MHz(1) 35.336 dB 1/1 23.533 MHz(1) 35.336 dB

1.3.2 3dB above AGC_ Lowest frequency

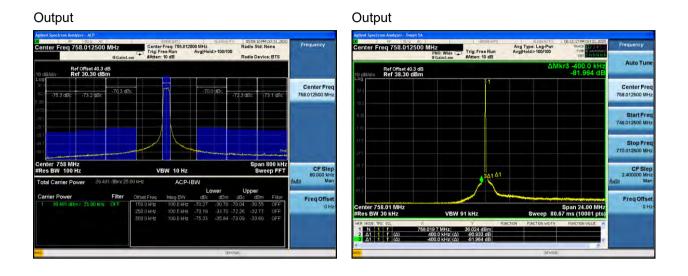
Center Freq 758.012500 M	IFGain:Lo	Cent Trig	er Freg 758.012 Free Run en: 10 dB		00/100 Rad	154:27 PM Oct 21, 2020 lie Std: None lie Device: BTS	Frequency	Output	IFGain:Le	Cente Trig:F	ence en r Freq: 758.0120 ree Run I: 10 dB		00/100 Ra	04:29:11FM Idio Std: N Idio Devic		Frequency
0 0500 Ker +10,00 001 200 30083.2 0BC83.6 0BC 400 800 800	-79.6 aB	c *** /	2.7.dBm	-81.8 dB	3c -83 5 dE	3c -83 3 aBc	Center Freq 758.012500 MHz	10 dorum (ke 30.30 de Log 30 -772.7 dBc -69.5 dBc 30 - 30 - 197 -77.7 dBc -69.5 dBc 30 - 37 -	-62,7 dB		24,080	-62.2 d9	3c -69.4 d	186 -7	72 7 aBc	Center Fre 758.012500 MH
90.0			- (al	- Marine Marine			marthe	Warman Chille	-	-	
200 200 201 201 201 201 201 201 201 201			VBW 10 Hz	-		Span 200 kHz Sweep FFT	CF Step 20.000 KHz	Center 758 MHz #Res BW 100 Hz			'BW 10 Hz		hora manada da da		200 kHz ep FFT	CF Stej 20.000 kH
#Res BW 100 Hz Total Carrier Power -2.667	7 dBm/ 25/	00 kHz	ACP-I	BW			CF Step 20.000 kHz Auto Man	#Res BW 100 Hz Total Carrier Power 39.4	428 dBm/ 25	00 kHz	ACP-I	BW	r U		ep FFT	
Res BW 100 Hz	Filter		ACP-I Integ BW 6 250 kHz 6 250 kHz 25 00 kHz 25 00 kHz	Lowe dBc -53.33 -5 -77.61 -8 -79.63 -8 -83.55 -8	r Up dBm dBc 6.00 -54.28 0.28 -81.43 2.30 -81.75 6.22 -83.53	Sweep FFT	20.000 kHz	#Res BW 100 Hz	Filter		ACP-I Integ BW 6 250 kHz 6 250 kHz 25 00 kHz 25 00 kHz 25 00 kHz	dBc 0 -47.57 -8 -61.87 -2 -62.70 -23	dBm dBc 138 -48 44 2 44 -61 67 3 27 -62 23 0 09 -69 36	Swe dBm -9 011 -22 24 -22 81 -29 93	ep FFT	20.000 kH



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Output

Aguent Spectr	HF SUQ BC		VEE EIT	ALISHAUTO	06:38:50 PM Oct 31, 2020	-
Center F	req 776.500000 I	PNO: Fast Trig: Fre IFGain:Low #Atten: 1	e Run 0 dB	Avg Type: Log-Pwr Avg Hold>100/100	TRACE 2 2 4 5 TYPE A VANADAW DET S M V N N	Frequency
10 dB/div	Ref Offset 40.3 dB Ref 36.30 dBm			∆Mkr2	12.000 0 MHz -95.453 dB	Auto Tune
26,3						Center Fred 776.500000 MHz
6.30 .5.m						Start Free 748.000000 MH
-137						Stop Free 805.000000 MH
-33 t						CF Ster 5.700000 MH Auto Ma
-537		2∆1		3∆1		FreqOffse
Center 77 #Res BW	6.50 MHz 30 kHz	VBW 91 kHz		Sweep 191	Span 57.00 MHz 3 ms (10001 pts)	0 H
MBR MODE TI 1 N 2 A1 1 3 A1	f 758. f (Δ) 12.	009 2 MHz 36,686 d 000 0 MHz (Δ) 95,453 993 0 MHz (Δ) -98,586	dB	TION FUNCTION WIDTH	FUNCTION VALUE	
NSG .				STATUS		



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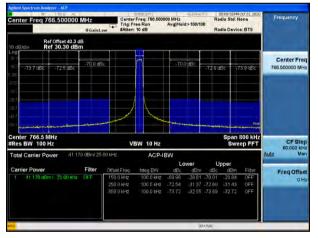
1.3.3 Pre-AGC_ Middle frequency

Input

Center Freq 766,500000 MHz	Cente Trigit	Freq: 766.500 Free Run h: 10 dB		d>100/10	o Ra	dio Std: N dio Devic		Frequency
o dB/div Ref -13.00 dBm		_						
	M	5.7 dBm	-81	4 dBc	-83.1 d	BC -8	13,0 dBc	Center Free 766.500000 MHz
33.0								
720								
990	Jul		at and a				244	
Center 766.5 MHz #Res BW 100 Hz	V	BW 10 Hz	Contra		A	Span Swe	200 kHz ep FFT	CF Step 20.000 kH
Total Carrier Power 5 678 dBm/ 28	5.00 kHz	ACP-I						<u>Auto</u> Mar
Carrier Power Filter	Offset Freq	Integ BVV	dBc	dBm	uBc	dBm	Filter	
5 678 dBm / 25 00 kHz OFT	15.63 kHz		-55.32	-61.00		-61.15	OFF	Freq Offset
	21.88 kHz	6.250 kHz	-79.63	85.31		.87.23	OFF	OH
	37.50 kHz	25.00 kHz	-80.52		-81.43		OFE	
	62.50 kHz	25 00 kHz					OFF	
	87.50 kHz	25.00 kHz	-82.99	.88.67	-83,04		OFF	
					ATUS			_

edini Spectrum Analyzer - ACP PF 20 2 AC Center Freq 766,500000 MHz IFGain:	- GO T	enter Freq: 76 rig: Free Run Atten: 10 dB	5.500000 MH: Avg H	al 19140 I old>100/10	Rad	i 31:53 PM lio Std: N lio Device		Fr	equency
Ref Offset 40.3 dB Ref 30.30 dBm									
og 1 -75.2 dBc -70.0 gBc -62.7 d 20 27	Bc	- Conseq		2.9 dBc	-69.9 df	36 -7	3.1 dBc		enter Freq 500000 MHz
enter 766.5 MHz	-		- Andrew	-	******	Span	200 kHz		
Res BW 100 Hz		VBW 10	Hz				ep FFT		CF Step 20.000 kHz
Total Carrier Power 40 034 dBm/ 2	5.00 kHz	A	CP-IBW					Auto	Man
Carrier Power Filter	Offset Fr	eo Inteo E		Lower dBm	Up dBc	dBm	Filter		
	15,63 k	Hz 6.250 Hz 6.250	kHz -48.01 kHz -62.51	-8.050 22.56	-48.82 -62.03 -62.91	-8 784 -22.00 -22.88	OFF OFF OFF		Freq Offset 0 Hz
1 40.034 dRm /. 25.00 kHz. OFT	37.50 k 62.50 k 87.50 k	Hz 25.00			-69.85 -73.15	-29.82 -33 11	OFF		

Output



Output



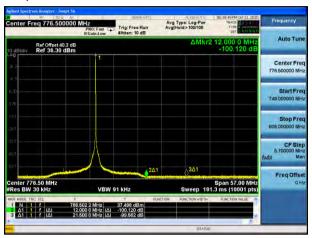


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Output



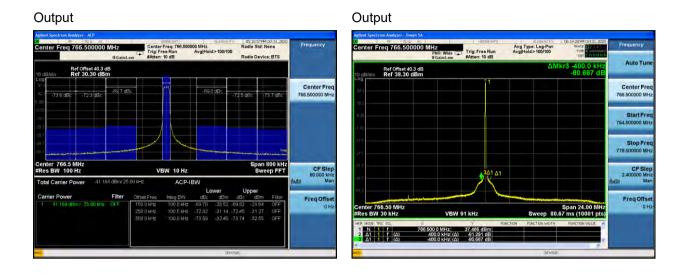
1.3.4 3dB above AGC_ Middle frequency

Agilent Spectrum Analyzer - ACP RF - 50 g: AC		BARE BIT		USNAUTO	03:55:31 PM			Agilent Spectrum Ana	SUR AC	_		PREEN		al stanto		16PM Oct 21,	8020
Center Freq 766.500000 MHz	Trig:Fr	Freq: 766.50000 ee Run 10 dB	Avg Hold>	100/100	Radio Std: M Radio Devic		Frequency	Center Freq 7	66,500000	MHz IFGain:Lo	Trig:F	Freq: 766.5000 ee Run 10 dB		100/100		Std: None Device: BTS	Frequency
10 dB/div Ref -13.00 dBm									ef Offset 40.3 de ef 30.30 dBm								
-og 250 28083.6 dBc83.7 dBc79.7 d 430	/ · · ·	Section 1	-81,9 di	IBC -831	s dBc 🛛 +8	63.6 dBc	Center Freq 766.500000 MHz	Log 30 3 (0.3 -73.2 dBc	-70.0 BC	-63.3 dBi	Ħ		-63.6	alBe -	70.1 dBc	-73 3 dE	Center Fr 766.500000 M
98) # 0								-19.72									
1900	m	1						-317 -61 -217 automatica		men			- and				Pest
	VE	3W 10 Hz	Markada and	area jaspania		200 kHz ep FFT	CF Step	37 01 -27 Center 766.5 I #Res BW 100			V	3W 10 Hz				oan 200 k Sweep Fl	CF St
Res BW 100 Hz		BW 10 Hz ACP-IB			Swe		CF Step 20.000 kHz Auto Man		Hz	9 dBm/ 25.		BW 10 Hz ACP-I				Sweep Fl	
Res BW 100 Hz Total Carrier Power -2 648 dBm/ 2	25.00 KHz	ACP-IB	Lowe		Swe Upper	ep FFT	20.000 kHz Auto Man	#Res BW 100	Hz	9 dBm/ 25 l	IO KHZ	ACP-I	Lo	wer	Uppe	Sweep Fl	ET CF Str 20.000 k Auto M
Res BW 100 Hz Total Carrier Power -2 648 dBm/ 2		ACP-IB	Lowe	er dBm_dE 56.68_554	Swe Upper	ep FFT	20.000 kHz Auto Man Freq Offset	#Res BW 100 Total Carrier Po Carrier Power	Hz	Filter			Lo dBc		Uppe	Sweep Fl r Em Filt	Auto M Freq Offs
Res BW 100 Hz Total Carrier Power -2.648 dBm/2 Carrier Power Filter	25.00 kHz Offset Freq 15.63 kHz 21.88 kHz	ACP-IB Integ BW 6.250 kHz 6.250 kHz	Lowe dBc -54.03 -5 -77.70 -8	dBm dE 56.68 -55.4 80.35 -81.3	Swe Upper lc dBm 3 -58.08 7 -84.02	Filter OFF OFF	20.000 kHz Auto Man	#Res BW 100 Total Carrier Po Carrier Power	Hz ower 40.249	Filter	0 kHz Offset Freq 15.63 kHz 21.88 kHz	ACP-I Integ BW 6 250 kHz 6 250 kHz	dBc -48.12 -63.11	dBm -7.870 -4 -22.86 -6	Uppe dBc d 8.74 -8, 2.55 -22	Sweep FI	Auto M Freq Offs 0
Res BW 100 Hz Total Carrier Power -2.648 dBm/2 Carrier Power Filter	25.00 kHz Offset Freq 15.63 kHz 21 88 kHz 37.50 kHz	ACP-IB Integ BW 6 250 kHz 6 250 kHz 25 00 kHz	dBc -54.03 -5 -77.70 -8 -79.68 -8	dBm dE 56.68 -55.4 80.35 -81.3 82.33 -81.9	Swe Upper ic dBm 3 -58.08 7 -84.02 4 -84.59	Filter OFF OFF	20.000 kHz Auto Man Freq Offset	#Res BW 100 Total Carrier Po Carrier Power	Hz ower 40.249	Filter	0 kHz Dffset Freq 15 63 kHz 21 88 kHz 37.50 kHz	ACP-1 Integ BW 6 250 kHz 6 250 kHz 25.00 kHz	Lo dBc -48.12 -63.11 -63.29	dBm -7.870 -4 -22.86 -6 -23.04 -6	Uppe dBc d 874 -8, 255 -22 360 -23	Reserved Fl Bm Fib 495 OFF 3.35 OFF	Auto M Freq Offs
Res BW 100 Hz Total Carrier Power -2.648 dBm/2 Carrier Power Filter	25.00 kHz Offset Freq 15.63 kHz 21.88 kHz 37.50 kHz 62.50 kHz	ACP-IB Integ BW 6 250 kHz 6 250 kHz 25 00 kHz 25 00 kHz	Lowe dBc -54.03 -5 .77.70 4 -79.68 -6 -83.73 -8	dBm dB 56.68 -55.4 80.35 -81.3 82.33 -81.9 86.37 -83.7	Swe Upper ic dBm 3 -58.08 7 -84.02 4 -84.59 7 -86.42	Filter OFF OFF OFF OFF	20.000 kHz Auto Man Freq Offset	#Res BW 100 Total Carrier Po Carrier Power	Hz ower 40.249	Filter	0 kHz Dffset Freq 15.63 kHz 21 88 kHz 37.50 kHz 62.50 kHz	ACP-I Integ BW 6 250 kHz 6 250 kHz 25 00 kHz 25 00 kHz	Lo dBc -48.12 -63.11 -63.29 -70.01	dBm -7.870 -4 -22.86 -0 -23.04 -6 -29.76 -7	Uppe dBc d 874 -8/ 255 -22 360 -23 014 -29	r IBm Filte 495 OFF 3.35 OFF 9.88 OFF	FT CF Str 20.000 k Auto M Freq Offs
Carrier Power Filter	25.00 kHz Offset Freq 15.63 kHz 21 88 kHz 37.50 kHz	ACP-IB Integ BW 6 250 kHz 6 250 kHz 25 00 kHz	Lowe dBc -54.03 -5 .77.70 4 -79.68 -6 -83.73 -8	dBm dB 56.68 -55.4 80.35 -81.3 82.33 -81.9 86.37 -83.7	Swe Upper ic dBm 3 -58.08 7 -84.02 4 -84.59 7 -86.42	Filter OFF OFF	20.000 kHz Auto Man Freq Offset	#Res BW 100 Total Carrier Po Carrier Power	Hz ower 40.249	Filter	0 kHz Dffset Freq 15 63 kHz 21 88 kHz 37.50 kHz	ACP-1 Integ BW 6 250 kHz 6 250 kHz 25.00 kHz	Lo dBc -48.12 -63.11 -63.29 -70.01	dBm -7.870 -4 -22.86 -0 -23.04 -6 -29.76 -7	Uppe dBc d 874 -8/ 255 -22 360 -23 014 -29	r IBm Filte 495 OFF 3.35 OFF 9.88 OFF	FT CF Str 20.000 k Auto M Freq Offs





Report No.: SZCR210302000603 Page: 83 of 109



Output

Frequency	HOLE I PM Oct 31, 2020 TRACE 2245 TYPE A MONTH OCT STORY IN TO	g Type: Log-Pwr g Hold>100/100	rig: Free Run Atten: 10 dB	0 MHz	req 776.500000	Center Fr
Auto Tu	.000 0 MHz -99.706 dB	∆Mkr2			Ref Offset 40.3 dE Ref 36.30 dBm	10 dB/div
Center Fra 776.500000 Mil						26.8
Start Fre 748.000000 Mil						630 570
Stop Fro 805 000000 Mi						(37 287
CF Ste 5.700000 Mi <u>Auto</u> Mi						45.7
Freq Offs 01	an 57.00 MHz ns (10001 pts)	3∆1 Sweep 191	kHz	VBW 9	'6.50 MHz 30 KHz	Center 77 #Res BW
	FUNCTION VALUE	FUNCTION WIDTH	9.706 dBm -99.706 dB -98.545 dB	× 66.502 2 MHz 12.000 0 MHz (Δ) 21.500 0 MHz (Δ)	f 76 f (Δ)	MRR MODE TF 1 N 1 2 A1 1 3 A1 1
		STATUS	-			sg.



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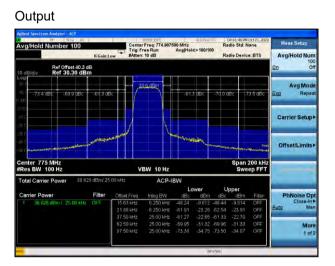


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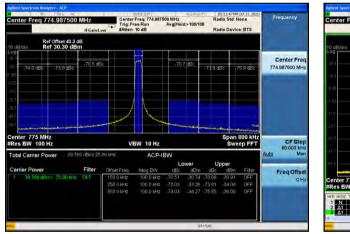
1.3.5 Pre-AGC_ Highest frequency

Input

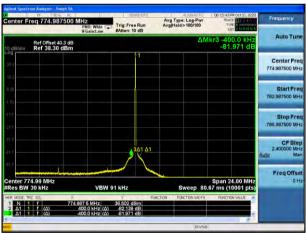
Center Freq 774.98	7500	IFGain:L		Center Trig: F	Freq: 774 ree Run : 10 dB	.9876	00 MHz Avg Hol	al 1974 1> 100/10	Ra	l3:56:03PM die Std: M die Devic		Fr	equency
10 d@/div Ref -13.	.00 dB	m	-			1	1	T					-
330 -82,3 dBc -82,4	4 dBc	-80.4 dB	c • •	1	18 den		-81.	1 dBc	-82.4 d	BC H	32.2 dBc		987500 MH
53)0													
63.0													
338				-									
400			منسهر	1		4	~				Prop		
Center 775 MHz #Res BW 100 Hz	1074	ine in the		v	BW 10	Hz		Section and the	ANT LOCAL		200 kHz ep FFT		CF Step
Total Carrier Power	.576	i2 dBm/ 25	00 kHz		AC	P-I	BW					Auto	20.000 kHs Mar
		-						wer		pper		_	
Carrier Power		Filter	Offset		Integ B ¹ 6.250 I		dBc -52.79	-58.55	dBc	dBm -60.03	Filter	d	Freq Offsel
	INC ALC:		21.88		6 250 1		-52.79		-54 26	-80 03	OFF		0 Ha
			37.50		25.001		-80.38	-86.14		-86.82	OFF		
			62.50		25 00 1		-82.38		-82.36	-88.12	OFF		
			87.50	kHz	25.00	đ		88.04		-87.94	OFF		



Output



Output



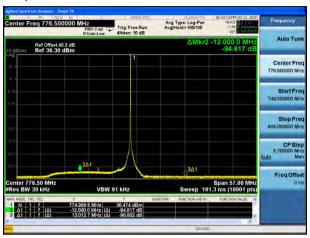


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Output



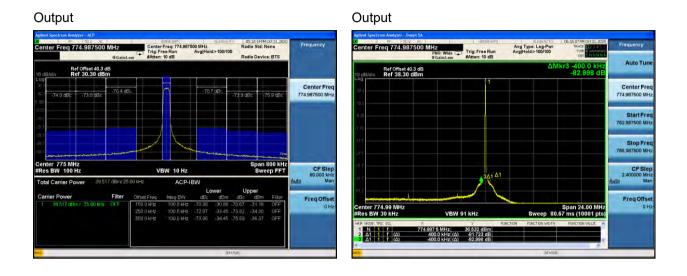
1.3.6 3dB above AGC_ Highest frequency

Center Freq 774.987500 M	MHz IFGain:Lo	Center Trig:F	Freq: 774.9876 ree Run : 10 dB		>100/100	03:56:21 PA Radio Std: I Radio Devis		Frequency	02 PF 1800 AC Center Freq 774.987500	MHz IFGain:Le	Center Trig:F	Freq: 774.987 ree Run : 10 dB	500 MHz	alishan d>100/100	Radio	9:24 PM Oct 21 Std: None Device: BT	Frequency
0 de/div Ref -13.00 dBn	m			_					10 de/div Ref Offset 40.3 d	iB m		_					
30 30 30 -82,6 dBc +82,8 dBc 30	-79.3 dBc		Sultra .	-81,3	dBc -82	3 dBc 👘	32.6 dBc	Center Freq 774.987500 MHz	20 3 10.0 -73 3 dBc -70 2 dBc	-63.5 dB	_	\$4.05m	-63,7	7 dBC	-70,0 dBc	73,4 d	Center Fra 774.987500 Mi
									-197								
									-397		1		- March				
enter 775 MHz Pos BW 100 Hz	-hannard		BW 10 Hz	an anna		Span	200 kHz	CF Step	-37 -37 -37 Center 775 MHz #Pas BW, 100 Hz			BW 10 Hz	- Contraction of the Contraction		s.	Span 200	ET CF Ste
enter 775 MHz Res BW 100 Hz			BW 10 Hz	BW	et han a generation	Span	ep FFT	CF Step 20.000 kHz Auto Man	#Res BW 100 Hz	48 dBm/ 25/		BW 10 Hz	BW		****d+===== S	Span 200 Sweep F	
enter 775 MHz tes BW 100 Hz otal Carrier Power 2.806		00 kHz	ACP-II	Low	wer	Span Swe Upper	ep FFT	20.000 kHz Auto Man	#Res BW 100 Hz Total Carrier Power 38.4		90 kHz	ACP-I	Lo	wer	Upp	Sweep F	FT CF Ste 20.000 ki
enter 775 MHz les BW 100 Hz otal Carrier Power -2.806 arrier Power	Filter			Low dBc	wer dBm d8	Span Swe Upper	ep FFT	20.000 kHz Auto Man Freq Offset	#Res BW 100 Hz Total Carrier Power 38.44 Carrier Power	Filter			Lo dBc	dBm	Upp	Sweep F er dBm Fil	FT CF Str 20.000 k Auto M Freq Offs
enter 775 MHz tes BW 100 Hz otal Carrier Power 2.806	Filter	00 kHz Offset Freq	ACP-II Integ BW 6 250 kHz	dBc -53.61	wer	Span Swe Upper Ic dBm 4 -58.14	Filter	20.000 kHz Auto Man	#Res BW 100 Hz Total Carrier Power 38.4	Filter	00 kHz Offset Freq	ACP-I	Lo dBc	dBm -9.605	Upp dEc	er dBm Fil 10.47 OF	FT CF Sti 20.000 k Auto M F Freq Offs 0
enter 775 MHz tes BW 100 Hz otal Carrier Power -2.806 arrier Power	Filter	00 kHz Offset Freq 15.63 kHz	ACP-II Integ BW 6.250 kHz 6.250 kHz	dBc -53.61 -77.55	wer dBm dB -56.41 -55.3	Span Swe Upper ic dBm 4 -58.14 6 -83.87	Filter	20.000 kHz Auto Man Freq Offset	#Res BW 100 Hz Total Carrier Power 38.44 Carrier Power	Filter	00 kHz Offset Freq 15.63 kHz	ACP-I Integ BW 6.250 kHz	48.05 -62.89	dBm -9.605	Upp dEc 48.92 - 63.29 -	er dBm Fil 10.47 OF	FT CF Str 20.000 k Auto M Freq Offs F 0
enter 775 MHz Res BW 100 Hz otal Carrier Power -2.806 Carrier Power	Filter	0 kHz 0ffset Freq 15.63 kHz 21.88 kHz 37.50 kHz 62.50 kHz	ACP-II Integ BW 6.250 kHz 6.250 kHz 25.00 kHz 25.00 kHz	dBc -53.61 -77.55 -79.26 -82.62	ver dBm db -56.41 -55.3 -30.35 -81.0 -82.06 -81.3 -85.62 -82.7	Span Swe Upper ic dBm 4 -58.14 6 -93.87 0 -84.11 8 -85.58	Filter OFF OFF OFF OFF	20.000 kHz Auto Man Freq Offset	#Res BW 100 Hz Total Carrier Power 38.44 Carrier Power	Filter	00 kHz Offset Freq 15.63 kHz 21.88 kHz 37.50 kHz 62.50 kHz	ACP-1 Integ BW 6 250 kHz 6 250 kHz 25 00 kHz 25 00 kHz	Lo dBc -48.05 -62.89 -63.47 -70.16	dBm -9 605 -24 44 -25 03 -31 71	Upp dEc -48.92 -63.29 -63.66 -70.003	er dBm Fill 10.47 OF 24.84 OF 25.21 OF 31.55 OF	FT CFSt 20.000 k Auto M F Freq Offs F 0 F
nter 775 MHz es BW 100 Hz btal Carrier Power -2.806 arrier Power	Filter	0 kHz Offset Freq 15.63 kHz 21.88 kHz 37.50 kHz	ACP-II Integ BW 6.250 kHz 6.250 kHz 25.00 kHz 25.00 kHz	dBc -53.61 -77.55 -79.26 -82.62	ver dBm d8 -56.41 -55.3 -80.35 .810 -82.06 -813	Span Swe Upper ic dBm 4 -58.14 6 -93.87 0 -84.11 8 -85.58	Filter OFF OFF	20.000 kHz Auto Man Freq Offset	#Res BW 100 Hz Total Carrier Power 38.44 Carrier Power	Filter	00 kHz Offset Freq 15.63 kHz 21.88 kHz 37.50 kHz	ACP-1 Integ BW 6 250 kHz 6 250 kHz 250 kHz 25 00 kHz	Lo dBc -48.05 -62.89 -63.47 -70.16	dBm -9 605 -24 44 -25 03 -31 71	Upp dEc -48.92 -63.29 -63.66 -70.003	er dBm Fill 10.47 OF 24.84 OF 25.21 OF 31.55 OF	FT CFS1 20.000 I Auto I FF FreqOff FF 0 FF 0





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Output

enter Freq 776.500000		Avg Type: Log-Pwr Avg Hold>100/100	06:42:55 PM Oct 31, 2020 TRACE 2 2 4 5 TYPE A VANAULT DET S N 1/14 1/1	Frequency
Ref Offset 40.3 dE 0 dB/div Ref 36.30 dBm		ΔMkr2	-12.000 0 MHz -95.322 dB	Auto Tune
26.3				Center Free 776.500000 MH
1 m				Start Fre 748 000000 MH
137				Stop Fre 805.000000 MH
13 ř	201			CF Step 5.700000 MH <u>Auto</u> Ma
Center 776.50 MHz Res BW 30 kHz	VBW 91 kHz) ^{3∆1} Sweep 191	Span 57.00 MHz .3 ms (10001 pts)	Freq Offse 0 H
2 Δ1 1 f (Δ) -1	4.989 5 MHz 36,416 dBm 2.000 0 MHz (Δ) -95,322 dB 3.012 7 MHz (Δ) -98,011 dB	FUNCTION FUNCTION wIDTH	FUNCTION VALUE	
sa,		STATUS		-



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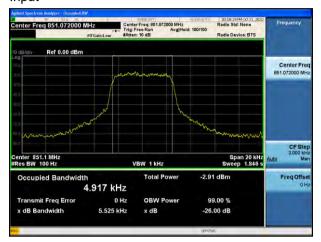


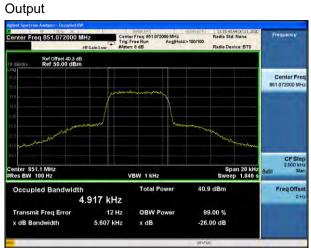
Report No.: SZCR210302000603 87 of 109 Page:

2.Downlink: 851MHz to 869MHz

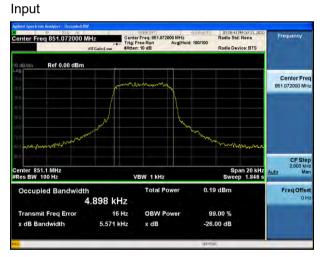
2.1 Occupied Bandwidth

2.1.1 6.25kHz CQPSK Pre-AGC Input





2.1.2 6.25kHz CQPSK 3dB above AGC



Output



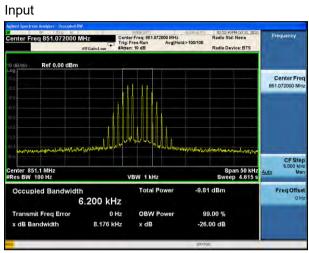


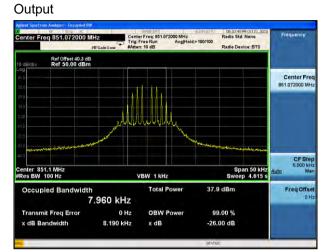
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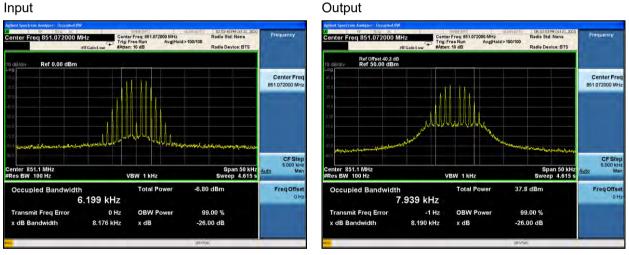
Report No.: SZCR210302000603 88 of 109 Page:

2.1.2 12.5kHz FM Pre-AGC





2.1.2 12.5kHz FM 3dB above AGC



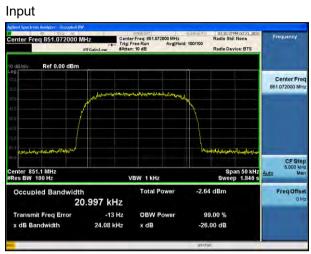


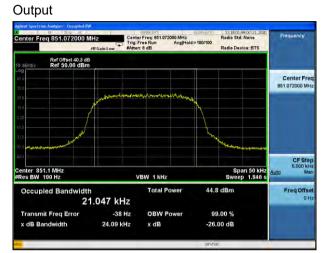
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2.1.3 25kHz TETRA Pre-AGC





11:19:07 AMOct 21, Radio Std: None

Span 50 kHz weep 1.846 s

SI

44 9 dBm

99.00 %

-26.00 dB

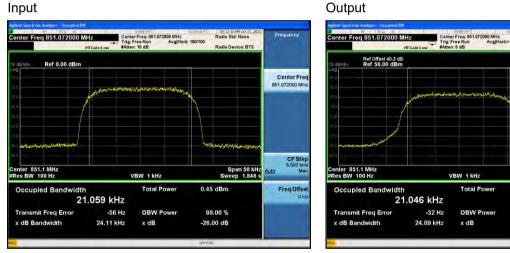
Creation

Center Fre 851.072000 MH

CF Ste

Freq Offs

2.1.3 25kHz TETRA 3dB above AGC





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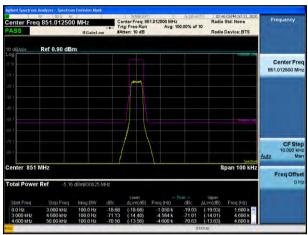


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2.2 Emission masks (6.25kHz CQPSK MASK E)

2.2.1 Pre-AGC_ Lowest frequency

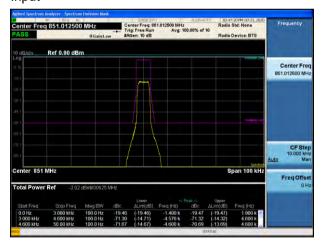
Input



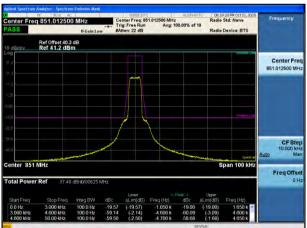
08:17:36 PM Oct 2 Radio Std: None ter Freq 851.012500 M 00 MHz Avg: 100.00% of 10 Radio Device: BTS Ref Offset 40.3 df Ref 41.2 dBm Center Fre 851.012500 MH CF Ste 851 M Span 100 kH Freq Offs otal F

Output

2.2.2 3dB above AGC_ Lowest frequency Input



Output





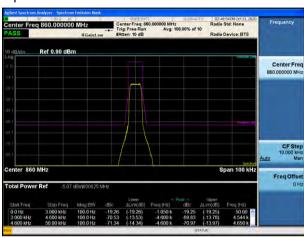
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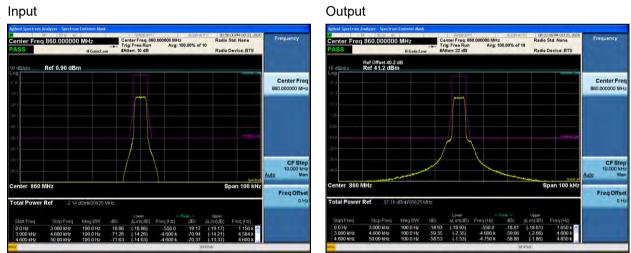
2.2.3 Pre-AGC Middle frequency

Input



Output D8:20:40 PM Oct 2 ter Freq 860.0 00 MHz Avg: 100.00% of 10 Radio Device: BTS Ref Offset 40.3 dB Ref 41.2 dBm Center Fre CES 860 MH Span 100 kH Freq Offs

2.2.4 3dB above AGC_ Middle frequency





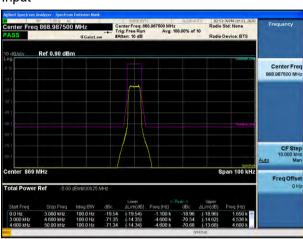
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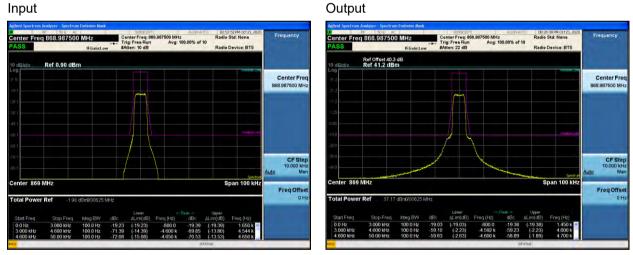
2.2.5 Pre-AGC Highest frequency

Input



Output D8:24:56 PM Oct 2 ter Freq 868.987500 MH: 00 MHz Avg: 100.00% of 10 Center Freq: 868 Trig: Free Run Radio Device: BTS Ref Offset 40.3 dB Ref 41.2 dBm Center Fre CF St 869 MH Span 100 kH FreqOffs

2.2.6 3dB above AGC_ Highest frequency





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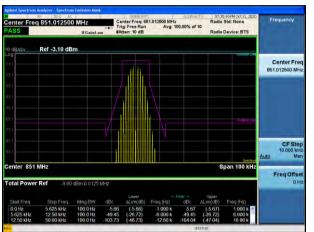


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2.3 Emission masks (12.5kHz FM MASK D)

2.3.1 Pre-AGC_ Lowest frequency

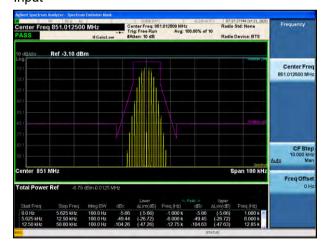
Input



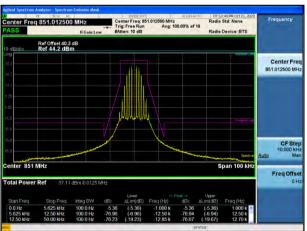
ter Freq 851.012500 M 07:12:18 PM Oct 2 Radio Std: None 00 MHz Avg: 100.00% of 10 Center Freq: 851.012 Trig: Free Run Ref Offset 40.3 de Ref 44.2 dBm Center Fre 851.012500 MH CF Ste 851 MH Span 100 kl Freq Offs otal Po

Output

2.3.2 3dB above AGC_ Lowest frequency Input



Output





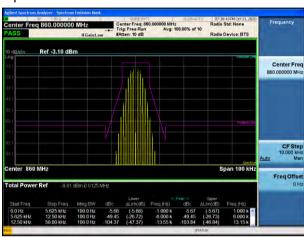
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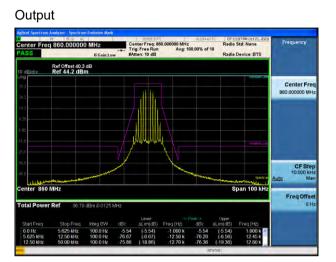


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2.3.3 Pre-AGC_ Middle frequency

Input



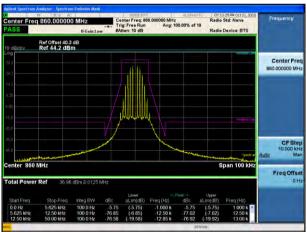


2.3.4 3dB above AGC_ Middle frequency

Input



Output





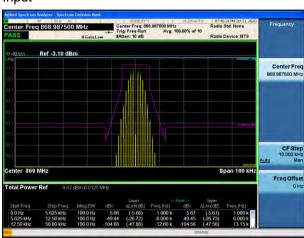
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2.3.5 Pre-AGC Highest frequency

Input



Output ter Freq 868.987500 MH: 07:14:02 PM Oct 2 Radio Std: None 00 MHz Avg: 100.00% of 10 Center Freq: 868 Trig: Free Run Radio Device: BTS Ref Offset 40.3 dE Ref 44.2 dBm Center Fre CES 869 MHz Span 100 kH FreqOffs

07:14:27PM Oct 21,-Radio Std: None

Radio Device: BT

Span 100 kl

Center Fr

CFS

2.3.6 3dB above AGC Highest frequency







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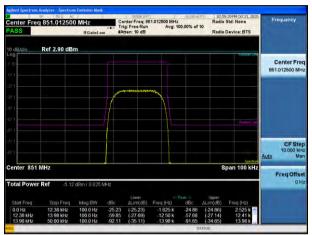


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2.3 Emission masks (25kHz TETRA MASK Y)

2.3.1 Pre-AGC_ Lowest frequency

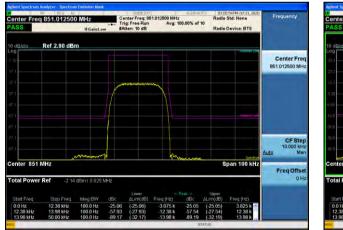
Input



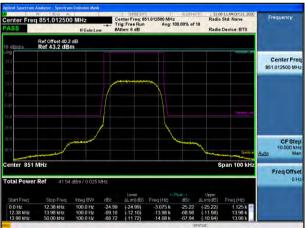
11:04:28 AMOct 2 Radio Std: None ter Freg 851,012500 Mi 00 MHz Avg: 100.00% of 10 Center Freq: 851.012 Trig: Free Run Ref Offset 40.3 di Ref 43.2 dBm Center Fre 851.012500 MH CF St 851 MH Span 100 kH Freq Offs atal Da or Def

Output

2.3.2 3dB above AGC_ Lowest frequency Input



Output





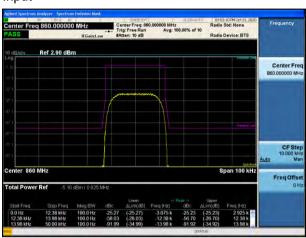
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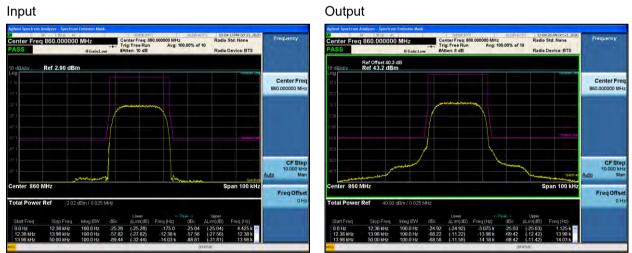
2.3.3 Pre-AGC_ Middle frequency

Input



Output Center Freq BG0.000000 MHz Center Freq BG0.00000 MHz Center GG0 Freq Hg BM HZ Center BG0 MHZ Center AG0 Freq Hg BM HZ Center GG0 Freq Hg BM HZ Center GG0 Freq Hg BM HZ Conter J2 SHM E M000 Hz 24 66 (2000 S42 S4 24 61 (2101) 122 S Freq Hz Conter J2 SHM E M000 Hz 24 66 (2000 S42 S4 24 61 (2101) 122 S Freq Hz Conter J2 SHM E M000 Hz 24 66 (2000 S42 S4 24 61 (2101) 122 S Freq Hz Conter J2 SHM E M000 Hz 24 66 (2000 S42 S4 24 61 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 66 (2000 S42 S4 24 61 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 66 (2000 S42 S4 24 61 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 66 (2000 S42 S4 24 61 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 66 (2000 S42 S4 24 61 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 66 (2000 S42 S4 24 61 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 66 (2000 S42 S4 24 61 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 66 (2000 S42 S4 24 61 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 66 (2000 S42 S4 24 51 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 66 (2000 S42 S4 24 51 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 66 (2000 S42 S4 24 51 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 66 (2000 S42 S4 S4 24 51 (2101) 122 S Freq Hz Conter J2 SHM E M000 HZ 24 51 SH

2.3.4 3dB above AGC_ Middle frequency



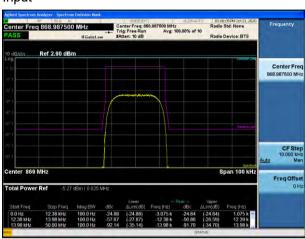




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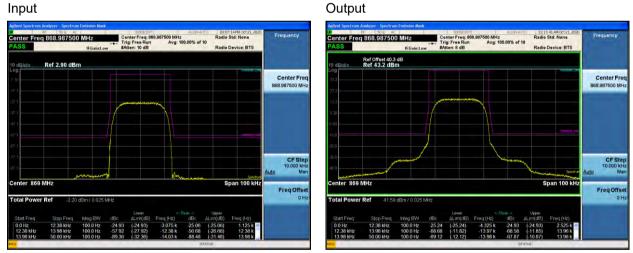
2.3.5 Pre-AGC_ Highest frequency

Input



Output Center Freq 665.987500 MHz Center 67.987500 MHz Center 78.987500 MHz Center 7

2.3.6 3dB above AGC_ Highest frequency





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7.2.6 Out of Band Rejection

Test Requirement:	1
Test Method:	KDB 935210 D05 Indus Booster Basic Meas v01r04
Limit:	Shall within the passband
EUT Operation:	
Status:	Drive the EUT to maximum output power
Conditions:	Normal conditions
Application:	RF output ports
Test Configuration:	
Signal	Generator
	AU
	RU
	Speatrum
	Spectrum

Fig.5. Out of Band rejection test configuration a) Connect a signal generator to the input of the EUT.

Analyzer

Test Procedure:

b) Configure a swept CW signal with the following parameters:

- 1) Frequency range = \pm 250 % of the manufacturer's specified pass band.
- 2) The CW amplitude shall be 3 dB below the AGC threshold (see 4.2), and shall not activate the AGC threshold throughout the test.
- 3) Dwell time = approximately 10 ms.
- 4) Frequency step = 50 kHz.

c) Connect a spectrum analyzer to the output of the EUT using appropriate attenuation.

d) Set the RBW of the spectrum analyzer to between 1 % and 5 % of the manufacturer's rated passband, and VBW = $3 \times RBW$.



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ATT



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e) Set the detector to Peak and the trace to Max-Hold.

f) After the trace is completely filled, place a marker at the peak amplitude, which is designated as f0, and with two additional markers (use the markerdelta method) at the 20 dB bandwidth (i.e., at the points where the level has fallen by 20 dB).

g) Capture the frequency response plot for inclusion in the test report.



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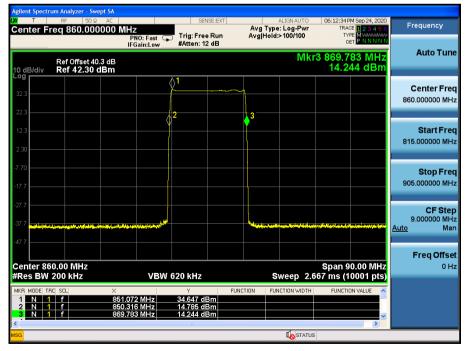
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7.2.6.1 Measurement Record:

1. Downlink: 758MHz to 775MHz

Agilent	t Spectru		ılyzer - Sw									
Cent	ter Fr	_{RF}		AC 0000 MH:	z		VSE:EXT		ALIGNAUTO	TRAC	M Sep 24, 2020	Frequency
				Р	NO:Fast ⊂ Gain:Low	Trig: Fre Atten: 14		Avg Hol	d⇒100/100	TYI Di		
					Guineow				Mkr1	773.240	5 MHz	Auto Tune
10 dE	3/div	Ref	Offset 40 44.30	d Bm							34 dBm	
Log							_	1				Center Freq
34.3								1				766.500000 MHz
24.3						-						
14.3						¢ ²		∂ ³				Start Freq
14.5												5tart Freq 724.000000 MHz
4.30												
-5.70												Oton Enon
												Stop Freq 809.000000 MHz
-15.7												005.000000
-25.7												CF Step
-35.7	the ball of the		1	ana atala atala da	1			New Market		u trake krakazat		8.500000 MHz
												<u>Auto</u> Man
-45.7												
0.00	ter 76	6 5 0	B 411-							On on O	5 00 MU-	Freq Offset 0 Hz
	s BW				VBW	620 kHz			Sweep 2.6		5.00 MHz 0001 pts)	0 Hz
MKR N	10DE TR	C SCL		×		Y	FUN		JNCTION WIDTH	```	IN VALUE	
1	N 1	f		773.240 757.311	5 MHz	34.334 dl 14.648 dl	Bm					
3	N 1	f		775.756		14.325 d					~	
<						Ш			C STATUS	,	>	

2. Downlink: 851MHz to 869MHz





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7.2.7 Frequency Stability

Test Requirement:	For 758-775MHz: 47 CFR Part 90.539
	For 851-869MHz: 47 CFR Part 90.213
Test Method:	KDB 935210 D05 Indus Booster Basic Meas v01r04
Limit:	For band 700M BW=6.25kHz/12.5kHz/25kHz: +/- 0.1ppm
	For band 800M BW=6.25kHz: +/- 0.1ppm
	BW=12.5kHz: +/- 1.0ppm
	BW=25kHz: +/- 1.5ppm
Status:	Drive the EUT to maximum output power.
Conditions:	Temperature conditions, voltage conditions
Application:	Cellular Band RF output ports
Test Procedure:	1. Temperature conditions:
	 The RF output port of the EUT was connected to Frequency Meter;
	b) Set the working Frequency in the middle channel;
	 record the 20°C and norminal voltage frequency value as reference point;
	d) vary the temperature from -40°C to 50℃ with step 10°C
	 e) when reach a temperature point, keep the temperature banlance at least 1 hour to make the product working in this status;
	f) read the frequency at the relative temperature.
	2. Voltage conditions:
	 record the 20°C and norminal voltage frequency value as reference point;
	b) vary the voltage from -15% norminal voltage to +15% voltage;
	c) read the frequency at the relative voltage.



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7.2.7.1 Measurement Record:

Frequency Stability vs temperature:

1. Test for Downlink: 758MHz to 775MHz (middle channel=766.5MHz)

Channel Bandwidth (kHz)	Temperature(°C)	Frequency Error (Hz)	Limit(ppm)	Results(ppm)
	50	1.3	0.1	0.002
	40	1.3	0.1	0.002
	30	1.3	0.1	0.002
	20	1.3	0.1	0.002
6.25kHz	10	1.3	0.1	0.002
0.23KHZ	0	1.3	0.1	0.002
	-10	1.3	0.1	0.002
	-20	1.3	0.1	0.002
	-30	1.3	0.1	0.002
	-40	1.3	0.1	0.002
	50	1.3	0.1	0.002
	40	1.3	0.1	0.002
	30	1.3	0.1	0.002
12.5kHz	20	1.3	0.1	0.002
	10	1.3	0.1	0.002
	0	1.3	0.1	0.002
	-10	1.3	0.1	0.002
	-20	1.3	0.1	0.002
	-30	1.3	0.1	0.002
	-40	1.3	0.1	0.002
	50	1.3	0.1	0.002
	40	1.3	0.1	0.002
	30	1.3	0.1	0.002
	20	1.3	0.1	0.002
25447	10	1.3	0.1	0.002
25kHz	0	1.3	0.1	0.002
	-10	1.3	0.1	0.002
	-20	1.3	0.1	0.002
	-30	1.3	0.1	0.002
	-40	1.3	0.1	0.002



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2.Test for Downlink: 851MHz to 869MHz (middle channel=860MHz)	2.Test for	r Downlink:	851MHz to	869MHz (I	middle	channel=860MHz)
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Channel Bandwidth (kHz)	Temperature(°C)	Frequency Error (Hz)	Limit(ppm)	Results(ppm)
	50	1.1	0.1	0.001
	40	1.1	0.1	0.001
	30	1.1	0.1	0.001
	20	1.1	0.1	0.001
	10	1.1	0.1	0.001
6.25kHz	0	1.1	0.1	0.001
	-10	1.1	0.1	0.001
	-20	1.1	0.1	0.001
	-30	1.1	0.1	0.001
	-40	1.1	0.1	0.001
	50	1.1	1.0	0.001
	40	1.1	1.0	0.001
	30	1.1	1.0	0.001
	20	1.1	1.0	0.001
12.5kHz	10	1.1	1.0	0.001
	0	1.1	1.0	0.001
	-10	1.1	1.0	0.001
	-20	1.1	1.0	0.001
	-30	1.1	1.0	0.001
	-40	1.1	1.0	0.001
	50	1.1	1.5	0.001
	40	1.1	1.5	0.001
	30	1.1	1.5	0.001
	20	1.1	1.5	0.001
	10	1.1	1.5	0.001
25kHz	0	1.1	1.5	0.001
	-10	1.1	1.5	0.001
	-20	1.1	1.5	0.001
	-30	1.1	1.5	0.001
	-40	1.1	1.5	0.001



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Frequency Stability vs voltage:

1.Test for Downlink: 758MHz to 775MHz (middle channel=766.5MHz)

Channel Bandwidth (kHz)	Voltage(V ac)	Frequency Error (Hz)	Limit(ppm)	Results(ppm)
	102	1.1	0.1	0.001
6.25kHz	120	1.1	0.1	0.001
	138	1.1	0.1	0.001
	102	1.1	0.1	0.001
12.5kHz	120	1.1	0.1	0.001
	138	1.1	0.1	0.001
	102	1.1	0.1	0.001
25kHz	120	1.1	0.1	0.001
	138	1.1	0.1	0.001

2.Test for Downlink: 851MHz to 869MHz (middle channel=860MHz)

Channel Bandwidth (kHz)	Voltage(V ac)	Frequency Error (Hz)	Limit(ppm)	Results(ppm)
	102	0.9	0.1	0.001
6.25kHz	120	0.9	0.1	0.001
	138	0.9	0.1	0.001
	102	0.9	1.0	0.001
12.5kHz	120	0.9	1.0	0.001
	138	0.9	1.0	0.001
	102	0.9	1.5	0.001
25kHz	120	0.9	1.5	0.001
	138	0.9	1.5	0.001



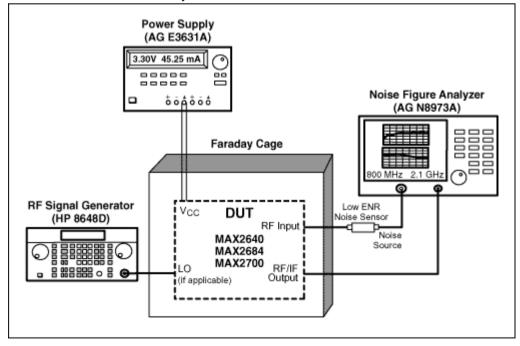
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7.2.8 Noise

Test Requirement:	For 758-775MHz: 47 CFR Part 2.1051, 47 CFR Part 90.219(d)(6) For 851-869MHz: /
Test Method:	KDB 935210 D05 Indus Booster Basic Meas v01r04
Limit:	The ERP of noise within the passband should not exceed −43 dBm in a 10 kHz measurement bandwidth.
	The ERP of noise in spectrum more than 1 MHz outside of the passband should not exceed −70 dBm in a 10 kHz measurement bandwidth.
	The noise figure of a zone enhancer shall not exceed 9 dB in either direction.
Status:	Drive the EUT to maximum output power.
Conditions:	Temperature conditions, voltage conditions
Application:	RF output ports
Test Procedure:	Several widely recognized methods for performing noise figure measurements are available. Some require the use of specialized equipment, such as a noise figure analyzer and/or an excess noise ratio (ENR) calibrated noise source, while others involve the use of conventional measurement instrumentation such as a spectrum analyzer. Methods that require use of a noise figure analyzer are generally accepted as producing the most accurate results, and are considered to be the reference method within this document, while others are considered to be acceptable alternative methods. Consult the relevant instrumentation application notes for detailed guidance regarding the selection and application of an appropriate methodology for performing noise figure measurements. Note also that noise figure measurements require that any AGC circuitry be disabled over the duration of the measurement.





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7.2.8.1 Measurement Record:

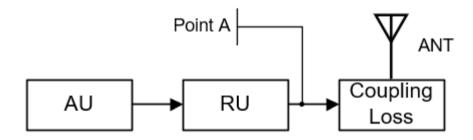
1. Noise

Frequency range(MHz)	ERP noise in passband	The ERP noise more than 1MHz outside of passband
758MHz to 775MHz	-45.78dBm	-72.94dBm
851MHz to 869MHz	-43.22dBm	-70.54dBm

ERP noise = Test results at point A + Coupling Loss + Antenna Gain

Remark:

The noise test results in the table are measured from point A. The test results plus the coupling loss and antenna gain will meet the noise radiation requirements of the signal booster, which is that the ERP of noise should not exceed -43 dBm in 10 kHz within passband and -70 dBm in 10 kHz more than 1 MHz outside of passband. Therefore, the coupling loss in engineering practice must be greater than 20dB to eliminate the interference.



Setting details were declared by manufacture and stated in the user manual. The test screenshots below are only to record the case without engineering practice for reference.



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2.Noise Figure:

788MHz to 805MHz

🔤 Keysight Noise F	igure - Noise Figure						
LXI	RF 50 Ω A		SENSE:IN		09:	38:44 PM Sep 25, 2020	Freq / Channel
Center Free	q 796.50000	0 MHz	DUT: Amplifie	r		CONTEXT FREQ-RF	Freq/Channel
PREAMP SNS			Atten: 0 dB	CALSTATE CAL ENR STATE ENR			
-		SNS	Atten: 0 db				Freq Mode
Noise Figu	re				Mki	1 788 MHz	Swept
1.0 dB/div	Ref 5.0	dB				3.1710 dB	
9.0							Center Freq
8.0							
7.0							796.500000 MHz
6.0							
5.0							
4.0							Start Freq
3.0							788.000000 MHz
2.0							
1.0							
							Oton Ener
Gain							Stop Freq
							805.000000 MHz
1.0 dB/div	Ref 44.0) dB					
48.0							
47.0							Points
46.0				_			86
45.0							00
44.0							
43.0							Fixed Freq
42.0							1.505000000 GHz
41.0							
40.0							
	~						Edit Frequency
Start Fred	788.00000	MHz			Stop Freq 805	00000 MHz	List
							LISU
BW 200.0	kHz T	cold 305.40	K (SNS)	Noise S	ource: SNS	Points 86	
MSG					STATUS		
					<u> </u>		

806MHz to 824MHz

	oise Figure							- 6
R⊧ Center Freq 815	50 Ω AC	1-	SENSE:I DUT: Amplifi				3 PM Sep 25, 2020	
enter Freq 615	.000000 Mi						STATE CAL	
PREAMP		SNS	Atten: 0 dB			EN	R STATE ENR	Freq Mo
Noise Figure					Ν	/kr1_8	21.4 MHz	
.0 dB/div	Ref 5.0 dB					3	.4584 dB	
9.0								
8.0								Center F
7.0								815.000000
6.0							<u> </u>	
5.0						1		
4.0						<u> </u>	<u> </u>	Start F
3.0						-		806.000000
2.0								
1.0								
								Stop F
Gain								Stop F 824.000000
	Ref 44.0 dB							
.0 dB/div	Ref 44.0 dB							
.0 dB/div F	Ref 44.0 dB							
.0 dB/div F 18.0	Ref 44.0 dB							824.000000
0 dB/div F 8.0 7.0 6.0	Ref 44.0 dB							824.000000
0 dB/div F 18.0 17.0 16.0 15.0	Ref 44.0 dB							824.000000
0 dB/div F 18.0 17.0 16.0 15.0 14.0	Ref 44.0 dB							824.000000
0 dB/div F 17 0 16 0 15 0 14 0 13 0	Ref 44.0 dB							824.000000 Po
O dB/div F 18.0	Ref 44.0 dB							824.000000 Po Po Fixed F
O dB/div F 18.0	Ref 44.0 dB							824.000000 Po Po Fixed F
O dB/div F 18.0	Ref 44.0 dB							824.000000 Po Fixed F
0 dB/div F 80 50 50 30 20 0.0 0.0 0.0 50 50 50 50 50 50 50 5					Stop Free	824.0	0000 MHz	824.000000 Po Fixed F 1.505000000 Edit Frequen
0 dB/div F 48.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	00000 MHz		K (SNS)	Noise S			0000 MHz	824.000000 Po Fixed F 1.00000000 Edit Frequen
	00000 MHz		K (SNS)	Noise S		S	0000 MHz Points 91	824.000000 Po Fixed F 1.00000000 Edit Frequen



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8 Photographs

8.1.1 Test Setup

Please refer to setup photos.

8.1.2 EUT Constructional Details

Please Refer to external and internal photos for details.

--The End of Report--



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