

Agilent Spectrum Analyzer - Swept SA					Anna anna	- 6 ×
RL RF 500 F Center Freq 5.0150000	000 GHz PNO: Fast - IFGain:Low	Trig: Free Run #Atten: 20 dB	#Avg	ALIGN AUTO Type: RMS	07:37:41 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 10.00 dB				Mk	r1 3.696 0 GHz -66.672 dBm	Auto Tune
0.00 0 -10.0						Center Fred 5.015000000 GHz
-30.0						Start Free 30.000000 MH;
-60 0 -70 0 -80.0				~~~~~	RMS	Stop Free 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VB	W 3.0 MHz		Sweep 17	Stop 10.000 GHz .33 ms (20001 pts)	CF Ster 997.000000 MH
MKR MODE TRC SCL	X 3.696 0 GHz	Y -66.672 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Mar
2 N 1 F 3 4 5	1.851 0 GHz	-5.509 dBm				Freq Offse 0 Ha
6 7 8 9 10						
11		111				
ISG				STATUS		

BW10 M_CSE(30 M-10 G)_Lowest Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept	SA				Trees into a survey of	- 6 ×
ଅ RL RF 50 ହ Center Freq 5.015000	AC 0000 GHz PNO: Fast ~ IFGain:Low	Trig: Free Run #Atten: 20 dB	#Avg	ALIGN AUTO Type: RMS	07:40:24 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 10.00 d				Mk	r1 3.713 4 GHz -67.099 dBm	Auto Tune
10,0 -20,0						Center Freq 5.015000000 GHz
-30.0						Start Free 30.000000 MHz
-60.0					RMS	Stop Free 10.000000000 GH:
Start 30 MHz #Res BW 1.0 MHz	#VB	W 3.0 MHz		Sweep 17	Stop 10.000 GHz 33 ms (20001 pts)	CF Step 997.000000 MH
MKR MODE TRC SCL	X 3.713 4 GHz	Y -67.099 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Mar
2 N 1 F 3 4 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.876 4 GHz	-4.318 dBm				Freq Offset 0 Hz
6 7 8 9 10						
11		m				
ISG				STATUS		

BW10 M_CSE(30 M-10 G)_Middle Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA	-					- 6 ×
RL RF 50 Q AC Center Freq 5.015000000	OGHZ PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 20 dB		ALIGN AUTO g Type: RMS	07:42:45 PM Feb 14, 2024 TRACE 1 2 3 4 5 TYPE A WWWW DET A A A A A	Frequency
10 dB/div Ref 10.00 dBm				Mk	r1 3.689 5 GHz -67.451 dBm	Auto Tune
2 0.00 .10.0 .20.0						Center Fred 5.015000000 GH
-30.0						Start Free 30.000000 MH
-60.0 -70.0 -80.0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	RMS	Stop Free 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBM	/ 3.0 MHz		Sweep 17	Stop 10.000 GHz .33 ms (20001 pts	997.000000 MH
MKR MODE TRC SCL X	.689 5 GHz	Y -67.451 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Ma
2 N 1 f 1 3 4 5 6	.909 8 GHz	-4.674 dBm				Freq Offse 0 H
7 8 9 10						
<		m		STATUS		

BW10 M_CSE(30 M-10 G)_Highest Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA						- 6 ×
Center Freq 5.0150000		Trig: Free Run #Atten: 20 dB	#Avg	ALIGN AUTO Type: RMS	07:45:18 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A AAAAA DET A AAAAA	Frequency
10 dB/div Ref 10.00 dBn				Mk	r1 3.699 0 GHz -67.305 dBm	Auto Tune
0.00 .10.0 .20.0 .20.0						Center Fred 5.015000000 GH;
-30.0						Start Free 30.000000 MH;
-60.0 -70.0 -80.0				******	RMS	Stop Free 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VB	W 3.0 MHz		Sweep 17	Stop 10.000 GHz .33 ms (20001 pts)	CF Step 997.000000 MH Auto Mar
MKR MODE TRC SCL	X 3.699 0 GHz	Y -67.305 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Auto Mai
2 N 1 f 3 4 5 6 7	1.851 5 GHz	-5.512 dBm			E	Freq Offse 0 H
8 9 10 11		m				
ISG				STATUS		

BW15 M_CSE(30 M-10 G)_Lowest Channel_QPSK_1RB



PNO: Fast	Trig: Free Run		ALIGN AUTO Type: RMS	07:47:58 PM Feb 14, 2024 TRACE 1 2 3 4 5 TYPE A WWWW DET A A A A A	Frequency
IF Gall.LOW			Mk	r1 3.682 5 GHz -67.185 dBm	Auto Tune
					Center Free 5.015000000 GH;
					Start Free 30.000000 MH
			<u> </u>	RMS	Stop Free 10.000000000 GH
#VBI	N 3.0 MHz		Sweep 17	Stop 10.000 GHz .33 ms (20001 pts)	997.000000 MH
	Y -67.185 dBm -3.484 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Mar
					Freq Offse 0 H:
	m			, .	
	IFGain:Low	GHz IFGain:Low Trig: Free Run #Atten: 20 dB Trig: Free Run #Atten: 20 dB #Atten: 20 dB #	PNO: Fast ++ IFGain:Low Trig: Free Run #Atten: 20 dB #VBW 3.0 MHz #VBW 3.0 MHz FUNCTION 682 5 GHz -57.185 dBm 874 0 GHz -3.484 dBm	GHz PNO: Fast Frig: Free Run #Atten: 20 dB #Avg Type: RMS Mk #VBW 3.0 MHz Sweep 17 Y FUNCTION Y FUNCTION	GHz IFGain:Low Trig: Free Run #Atten: 20 dB #Avg Type: RMS Type: RMS Type: RMS Type: RMS Type: RMS Type: RMS Mkr1 3.682 5 GHz -67.185 dBm Mkr1 3.682 5 GHz -67.185 dBm

BW15 M_CSE(30 M-10 G)_Middle Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA					Sample States	- 6 ×
RL RF 50 Q AC Center Freq 5.015000000	PNO: Fast +	Trig: Free Run #Atten: 20 dB		ALIGN AUTO Type: RMS	07:50:19 PM Feb 14, 2024 TRACE 1 2 3 4 5 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 10.00 dBm	IFGain:Low	#Atten: 20 db		Mk	r1 3.687 0 GHz -66.972 dBm	Auto Tune
2 0 00 10 0 -20 0						Center Free 5.015000000 GH
-30 0 -40.0 -50 0						Start Free 30.000000 MH
60 0 70 0 80 0			~~~~	<u></u>	RMS	Stop Fre 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBI	W 3.0 MHz		Sweep 17	Stop 10.000 GHz .33 ms (20001 pts)	CF Ster 997.000000 MH Auto Ma
	687 0 GHz 909 8 GHz	Y -66.972 dBm -4.568 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 H;
10 11 • -		III		STATUS		

BW15 M_CSE(30 M-10 G)_Highest Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swep	t SA					- 6 ×
× RL RF 50 ହ Center Freq 5.01500	AC 0000 GHz PNO: Fast - IFGain:Low	Trig: Free Run #Atten: 20 dB	#Avg	Type: RMS	07:52:57 PM Feb 14, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 10.00 d				Mk	r1 3.690 0 GHz -67.296 dBm	Auto Tuno
-10.0						Center Free 5.015000000 GH
30 0 40 0 50 0						Start Free 30.000000 MH
60.0 -70.0 -80.0	X	1			RMS	Stop Fre 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VB	W 3.0 MHz		Sweep 17	Stop 10.000 GHz 33 ms (20001 pts)	CF Ste 997.000000 MH
MKR MODE TRC SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Ma
1 N 1 F 2 N 1 F 3 4 5	3.690 0 GHz 1.851 5 GHz	-67.296 dBm -5.087 dBm			E.	Freq Offse 0 H
6 7 8 9 10						
		m				
SG				STATUS		

BW20 M_CSE(30 M-10 G)_Lowest Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA	h				tenter and	- 6 ×
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10 dB/div Ref 10.00 dBr				Mk	r1 3.717 9 GHz -67.409 dBm	Auto Tune
10,0 -20,0						Center Freq 5.015000000 GHz
-30.0						Start Free 30.000000 MHz
-60 0 -70 0 -80 0				~~~~	RMS	Stop Free 10.000000000 GH:
Start 30 MHz #Res BW 1.0 MHz	#VBV	V 3.0 MHz		Sweep 17	Stop 10.000 GHz 33 ms (20001 pts)	CF Step 997.000000 MH
MKR MODE TRC SCL	x 3.717 9 GHz	Y -67.409 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Mar
2 N 1 f 3 4 5 6	1.872 0 GHz	-4.327 dBm				Freq Offse 0 Ha
7 8 9 9 10						
4 MSG		m		STATUS		

BW20 M_CSE(30 M-10 G)_Middle Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA						- 6 ×
RL RF 50.0 AC Center Freq 5.015000000	GHz PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 20 dB	#Avg T	ALIGN AUTO	07:57:58 PM Feb 14, 2024 TRACE 1 2 3 4 5 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref 10.00 dBm	IFGameLow	WAILEN. 20 GD		Mk	r1 3.698 5 GHz -67.038 dBm	Auto Tune
2 0 00 10 0 -20 0						Center Free 5.015000000 GH
40 0 50 0						Start Free 30.000000 MH
60.0 70.0 80.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				RMS	Stop Free 10.000000000 GH
Start 30 MHz #Res BW 1.0 MHz	#VBI	N 3.0 MHz		Sweep 17	Stop 10.000 GHz .33 ms (20001 pts)	CF Ster 997.000000 MH Auto Ma
2 N 1 f 1. 3 4 5 6 7 9	698 5 GHz 909 3 GHz	Y -67.038 dBm -4.404 dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	Freq Offse 0 Hi
8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		m		STATUS		

BW20 M_CSE(30 M-10 G)_Highest Channel_QPSK_1RB



	rum Analyzer - Swept SA	_				
Center Fr	RF 50 Q AC eq 15.00000000	0 GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	TRACE 1 2 3 4 5 0 TYPE A WWWWW	Frequency
10 dB/div	Ref -20.00 dBm	IFGain:High	#Atten: 0 dB	Mk	r1 18.929 22 GHz -83.064 dBm	Auto Tune
-30.0						Center Fred 15.000000000 GH2
-40.0						Start Free 10.000000000 GH
-60.0						Stop Free 20.000000000 GH:
-80.0					1 RMS	CF Step 1.000000000 GH <u>Auto</u> Mar
-100						Freq Offse 0 H
Start 10.00		#VBW	3.0 MHz	Sweep	Stop 20.000 GHz 26.67 ms (40000 pts)	
MSG					ATUS	

BW1.4 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA					
RL RF 50 Q AC Center Freq 15.0000000		Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	07:17:26 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWWW DET A A A A A A A	Frequency Auto Tune
10 dB/div Ref -20.00 dBr			Mkr1	18.908 47 GHz -82.871 dBm	
-30.0					Center Fred 15.000000000 GH2
-40.0					Start Fred 10.000000000 GH
60.0 70.0					Stop Free 20.000000000 GH
80.0				1 RMS	CF Stej 1.000000000 GH <u>Auto</u> Ma
-100					Freq Offse 0 H
Start 10.000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 26	Stop 20.000 GHz 5.67 ms (40000 pts)	
NSG			STATU		

BW1.4 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB



					trum Analyzer - Swept SA	
Frequency	07:19:46 PM Feb 14, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	ALIGN AUTO #Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 0 dB	IO GHz PNO: Fast ↔ IFGain:High	RF 50 Ω AC req 15.00000000	Center F
Auto Tune	18.915 72 GHz -82.868 dBm	Mkr1		ir Gain, ngn	Ref -20.00 dBm	10 dB/div
Center Freq 15.000000000 GHz						-30.0
Start Freq 10.000000000 GHz						-40.0
Stop Freq 20.000000000 GHz						-60.0
CF Step 1.000000000 GHz <u>Auto</u> Man	1 RMS					-80,0
Freq Offset 0 Hz						-100
	Stop 20.000 GHz 5.67 ms (40000 pts)	Sween 26	3.0 MHz	#VBW		Start 10.0
		STATU				MSG

BW1.4 M_CSE(10 G-20 G)_Highest Channel_QPSK_1RB



	trum Analyzer - Swept SA					- 6 ×
Center Fi	RF 50 Ω AC req 15.00000000	0 GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	TRACE 1 2 3 4 5 0 TYPE A WWWWW	Frequency
10 dB/div	Ref -20.00 dBm	IFGain:High	#Atten: 0 dB	Mk	r1 18.911 22 GHz -82.945 dBm	Auto Tune
Log						Center Freq 15.00000000 GHz
-40.0						Start Fred 10.000000000 GH2
-60.0						Stop Free 20.000000000 GH:
-80.0					1 RMS	CF Step 1.00000000 GH: Auto Mar
-100						Freq Offse 0 H
Start 10.0		#VBW	3.0 MHz	Sweep	Stop 20.000 GHz 26.67 ms (40000 pts)	
MSG					TUS	

BW3 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB



	Analyzer - Swept SA					
	RF 50.9 AC 15.00000000	0 GHz PNO: Fast ↔→	SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	07:25:15 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A A	Frequency
10 dB/div R	ef -20.00 dBm			Mkr1	18.905 22 GHz -82.924 dBm	Auto Tun
-30.0						Center Fre 15.000000000 GH
40.0 50.0						Start Fre 10.000000000 GH
60.0 70.0						Stop Fre 20.000000000 GH
80.0					1 RMS	CF Ste 1.000000000 GH Auto Ma
-100						Freq Offse 0 H
Start 10.000 #Res BW 1.0		#\/B\W	3.0 MHz	Simeen 2	Stop 20.000 GHz 5.67 ms (40000 pts)	
ASG	11115			STATU		

BW3 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept					- 6 ×
Center Freq 15.00000	AC 00000 GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	07:27:35 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWWW	Frequency
10 dB/div Ref -20.00 d	IFGain:High	#Atten: 0 dB	Mkr	18.955 97 GHz -82.953 dBm	Auto Tune
-30.0					Center Fred 15.000000000 GHz
-40.0					Start Fred 10.000000000 GH
-60.0					Stop Free 20.000000000 GH
-80.0				1 RMS	CF Step 1.000000000 GH <u>Auto</u> Mar
-100					Freq Offse 0 H
Start 10.000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 2	Stop 20.000 GHz 6.67 ms (40000 pts)	
MSG			STATU		

BW3 M_CSE(10 G-20 G)_Highest Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept					
Center Freq 15.00000	AC 00000 GHz PNO: Fast IFGain:High	SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	07:30:16 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWWW DET A A A A A A A	Frequency
10 dB/div Ref -20.00 d			Mkr1	18.946 47 GHz -82.924 dBm	Auto Tune
-30.0					Center Freq 15.000000000 GHz
-40.0					Start Fred 10.000000000 GHz
-60.0					Stop Free 20.000000000 GH2
80.0	ans other two seles and the let			1 RMS	CF Step 1.000000000 GH Auto Mar
-100					Freq Offse 0 H
Start 10.000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 26	Stop 20.000 GHz 5.67 ms (40000 pts)	
MSG			STATU		

BW5 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB



- 6 ×	Terrera Charles				trum Analyzer - Swept SA	the second s
Frequency	07:33:01 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	ALIGN AUTO #Avg Type: RMS	Trig: Free Run #Atten: 0 dB	0 GHz PNO: Fast ↔ IFGain:High	RF 50 Ω AC req 15.00000000	Center F
Auto Tune	18.893 22 GHz -82.915 dBm	Mkr1		i sainingi	Ref -20.00 dBm	10 dB/div
Center Fred 15.000000000 GH;						-30.0
Start Fred 10.000000000 GH:						-40.0
Stop Free 20.000000000 GH						60.0 70.0
CF Step 1.000000000 GH <u>Auto</u> Ma	1 RMS					80.0
Freq Offse 0 H						-100
	Stop 20.000 GHz 5.67 ms (40000 pts)	Sweep 26	3.0 MHz	#VBW		Start 10.0
		STATUS				ISG

BW5 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB



Milent Spectrum Analyzer						
Center Freq 15.0	50 Q AC	0 GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	TRACE 1 2 3 4 5 0 TYPE A WWWWW	Frequency
10 dB/div Ref -20	.00 dBm	IFGain:High	#Atten: 0 dB	Mk	r1 18.906 72 GHz -82.619 dBm	Auto Tune
-30.0						Center Freq 15.00000000 GHz
-40.0						Start Fred 10.000000000 GH
-60.0						Stop Free 20.000000000 GH:
-80.0					1 RMS	CF Step 1.00000000 GH: Auto Mar
-100						Freq Offse 0 H
-110 Start 10.000 GHz #Res BW 1.0 MHz		#VBW	3.0 MHz	Sweep	Stop 20.000 GHz 26.67 ms (40000 pts)	
MSG				STA		

BW5 M_CSE(10 G-20 G)_Highest Channel_QPSK_1RB



- 6 ×	·			Analyzer - Swept SA	
Frequency	07:37:56 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	ALIGN AUTO #Avg Type: RMS	Trig: Free Run #Atten: 0 dB	F 50 Ω AC 15.000000000 GHz PNO: Fast ↔ IFGain:High	Center Fr
Auto Tune	18.951 72 GHz -82.680 dBm	Mkr1		ef -20.00 dBm	10 dB/div
Center Freq 15.000000000 GHz					-30,0
Start Freq 10.000000000 GHz					-40.0
Stop Fred 20.000000000 GHz					-60.0
CF Step 1.000000000 GHz <u>Auto</u> Mar	1 RMS				-80,0
Freq Offset 0 Hz					-100
	Stop 20.000 GHz .67 ms (40000 pts)	Sween 26	3.0 MHz		Start 10.0
		STATUS			ASG

BW10 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB



	Analyzer - Swept SA					- 6 ×
	^{50 Ω} AC 15.00000000	0 GHz PNO: Fast	SENSE:INT	#Avg Type: RMS	TRACE 1 2 3 4 5 0 TYPE A WWWW	Frequency
10 dB/div Re	ef -20.00 dBm	IFGain:High	#Atten: 0 dB	Mk	r1 18.908 22 GHz -82.593 dBm	Auto Tune
-30.0						Center Fred 15.000000000 GH2
-40.0						Start Free 10.000000000 GH:
-60.0						Stop Free 20.000000000 GH:
-80,0					1 RMS	CF Step 1.000000000 GH <u>Auto</u> Ma
-100						Freq Offse 0 H
Start 10.000 (#Res BW 1.0		#\/B}M	3.0 MHz	Swaan	Stop 20.000 GHz 26.67 ms (40000 pts)	
MSG	101112	#49044	5.0 10112	Sweep		

BW10 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA					
x RL RF 50 ହ A Center Freq 15.000000		SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	07:43:00 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dB			Mkr1	18.890 22 GHz -82.833 dBm	Auto Tune
-30.0					Center Freq 15.00000000 GHz
					Start Fred 10.00000000 GHz
60.0					Stop Fred 20.000000000 GH2
-80,0				1 RMS	CF Step 1.00000000 GHz <u>Auto</u> Mar
-100					Freq Offse 0 H:
Start 10.000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 26	Stop 20.000 GHz 5.67 ms (40000 pts)	
ISG			STATUS		

BW10 M_CSE(10 G-20 G)_Highest Channel_QPSK_1RB



📁 Agilent Spectrum Analyzer - Swept SA					- 6 ×
Center Freq 15.000000		SENSE:INT Trig: Free Run #Atten: 0 dB	#Avg Type: RMS	07:45:33 PM Feb 14, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dBi		WALLER, U GB	Mkr1	18.950 72 GHz -83.051 dBm	Auto Tune
-30,0					Center Freq 15.00000000 GHz
-40.0					Start Freq 10.000000000 GHz
-60.0					Stop Freq 20.000000000 GHz
-80.0				1 RMS	CF Step 1.000000000 GHz <u>Auto</u> Man
-100					Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#\/B\A	3.0 MHz	Sweep 26	Stop 20.000 GHz 5.67 ms (40000 pts)	
MSG	# 4 D 4 4	5.0 10112	SWGCD ZO		

BW15 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA					
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10 dB/div Ref -20.00 dB			Mkr1	18.929 72 GHz -82.937 dBm	Auto Tune
-30.0					Center Freq 15.00000000 GHz
-40.0					Start Fred 10.000000000 GHa
-60.0					Stop Free 20.000000000 GH2
-80.0	المراجع المراجع			1 RMS	CF Step 1.00000000 GH <u>Auto</u> Mar
-100					Freq Offse 0 H:
Start 10.000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 21	Stop 20.000 GHz 6.67 ms (40000 pts)	
MSG			STATU		

BW15 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB



Agilent Spectrum Analyzer - Swept SA					
ଆ RL RF 50 ହ ଲ Center Freq 15.000000		SENSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO #Avg Type: RMS	07:50:34 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dBi			Mkr1	18.912 97 GHz -82.567 dBm	Auto Tune
-30.0					Center Freq 15.000000000 GHz
-40.0					Start Fred 10.000000000 GHz
-60 0					Stop Free 20.000000000 GHz
-80.0				1 RMS	CF Step 1.000000000 GH Auto Mar
-100					Freq Offse 0 H:
Start 10.000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 26	Stop 20.000 GHz 5.67 ms (40000 pts)	
MSG			STATU		

BW15 M_CSE(10 G-20 G)_Highest Channel_QPSK_1RB



Magilent Spectrum Analyzer - Swept SA					- 6 -
Center Freq 15.0000000	PNO: Fast +	SENSE:INT Trig: Free Run #Atten: 0 dB	#Avg Type: RMS	07:53:13 PM Feb 14, 2024 TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A A A A A A	Frequency
10 dB/div Ref -20.00 dBm	IFGain:High	#Atten: 0 dB	Mkr1	18.912 97 GHz -83.019 dBm	Auto Tune
-30.0					Center Freq 15.00000000 GHz
-40.0					Start Freq 10.000000000 GHz
-60.0					Stop Freq 20.000000000 GHz
-80.0				1 RMS	CF Step 1.000000000 GHz <u>Auto</u> Man
-100					Freq Offset 0 Hz
Start 10.000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz	Sweep 26	Stop 20.000 GHz .67 ms (40000 pts)	
MSG			STATUS		

BW20 M_CSE(10 G-20 G)_Lowest Channel_QPSK_1RB



	trum Analyzer - Swept SA					
Center Fi	RF 50 Q AC req 15.0000000	00 GHz	SENSE:INT	#Avg Type: RMS	07:55:53 PM Feb 14, 2024 TRACE 1 2 3 4 5 0	Frequency
		PNO: Fast ++- IFGain:High	Trig: Free Run #Atten: 0 dB		DET A A A A A A	
0 dB/div	Ref -20.00 dBm			Mkr	18.917 97 GHz -82.861 dBm	Auto Tuno
30.0						Center Free 15.000000000 GH
40.0 50.0						Start Fre 10.000000000 GH
50.0 70.0						Stop Fre 20.00000000 GH
30.0					1 RMS	CF Ste 1.000000000 GH <u>Auto</u> Ma
100						Freq Offs 0 H
-110					Oton 20 000 Oli-	
Start 10.0 Res BW		#VBW	3.0 MHz	Sweep 2	Stop 20.000 GHz 6.67 ms (40000 pts)	
ISG				STATU	S	

BW20 M_CSE(10 G-20 G)_Middle Channel_QPSK_1RB



					trum Analyzer - Swept SA	
Frequency	07:58:14 PM Feb 14, 2024 TRACE 1 2 3 4 5 0 TYPE A WWWW DET A A A A A A	#Avg Type: RMS	SENSE:INT Trig: Free Run #Atten: 0 dB		RF 50 Ω AC req 15.00000000	Center F
Auto Tune	18.928 72 GHz -83.074 dBm	Mkr1			Ref -20.00 dBm	10 dB/div
Center Freq 15.000000000 GHz						-30.0
Start Freq 10.000000000 GHz						-40.0
Stop Freq 20.000000000 GHz						-60.0
CF Step 1.000000000 GHz <u>Auto</u> Man	1 RMS			a statistica in succession from the second		-80.0
Freq Offset 0 Hz						-100
	Stop 20.000 GHz 5.67 ms (40000 pts)	Sweep 26	3.0 MHz	#VBW		Start 10.0
		STATUS				MSG

BW20 M_CSE(10 G-20 G)_Highest Channel_QPSK_1RB



10. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2403-FC004-P