

























Keysight Spectrum Analyzer - Swept SA RL RF 50 0. DC SENSE:1NT			
Cantas Fran 2 46200000 CHa	ALIGN AUTO 08:18:43 AM Jan 05, 2023 #Avg Type: RMS TRACE 1 2 3 4 5 6 TYPE/M WWWWW	Frequency	
NFE PNO: Wide Thu: Free Ron IFGain:Low #Atten: 30 dB Ref Offset 22.36 dB	Mkr1 2.460 77 GHz -0.37 dBm	Auto Tune	
10 dB/div Ref 30.00 dBm		Center Freq 2.462000000 GHz	
10.0		Start Freq	
10.0 martine produced and a second and a sec	handwardanderne	2.44700000 GHz	
-20.0		Stop Freq 2.477000000 GHz	
200 Marahan Maraha	Wwwwwwwwwww	CF Step 3.000000 MHz Auto Man	
50.0		Freq Offset 0 Hz	
60.0		Scale Type	
Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz	Span 30.00 MHz Sweep 1.133 ms (1001 pts)	og Lin	
#Res BW 100 KH2 #VBW 300 KH2	status		
11N20SISO_Ant1_2			
Center Freq 515.000000 MHz	ALIGN AUTO 08:18:56 AM Jan 05, 2023 #Avg Type: RMS TRACE 1 2 3 4 5 6 TYPE M WANNAW DET P P P P P P	Frequency	
Ref Offset 22.36 dB	_{مودا} ه ۹۹۹ مور Mkr1 938.83 MHz -49.69 dBm	Auto Tune	
10 dB/div Ref 15.00 dBm		Center Freq 515.000000 MHz	
-5.00	F	Start Freq	
-15.0		30.000000 MHz	
35.0	DL1 -30.37 dBn	Stop Freq 1.00000000 GHz	
	Jinda an again tech de la dina admitistration de la de	CF Step 97.000000 MHz Auto Man	
-55.0		Freq Offset 0 Hz	
-75.0		Scale Type	
Start 0.0300 GHz #Res BW 100 kHz #VBW 300 kHz	Stop 1.0000 GHz Sweep 36.00 ms (30001 pts)	.og Lin	
11N20SISO_Ant1			
Keysight Spectrum Analyzer - Swept SA KL RF 50 Ω DC SENSE:1NT	ALIGN AUTO 08:19:34 AM Jan 05, 2023		
RL RF S0 Ω SENSE:INT Center Freq 13.750000000 GHz Frog: Free Run Free Run NFE PNO: Fast Frig: Free Run IFGain:Low #Atten: 20 dB	#Avg Type: RMS TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P P P P P P	Frequency	
Ref Offset 22.36 dB 10 dB/div Ref 30.00 dBm	Mkr2 26.475 35 GHz -40.85 dBm	Auto Tune	
		Center Freq 13.750000000 GHz	
10.0	DL1-30.37 dfm	Start Freq 1.00000000 GHz	
-30.0 -40.0 -50.0		Stop Freq 26.50000000 GHz	
Start 1.00 GHz #Res BW 100 KHz #VBW 300 KHz	Stop 26.50 GHz Sweep 938.0 ms (30001 pts)	CF Step 2.55000000 GHz	
	Sweep 938.0 ms (30001 pts)	Auto Man	
3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		Freq Offset 0 Hz	
7 8 9 10 11		Scale Type .og <u>Lin</u>	
NSG III	STATUS		
11N20SISO_Ant1_	2462_1000~26500		

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11.7. APPENDIX G: DUTY CYCLE 11.7.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	8.42	8.45	0.9964	99.64	0.02	N/A	0.01
11G	1.40	1.44	0.9722	97.22	0.12	0.71	1
11N20SISO	1.31	1.35	0.9704	97.04	0.13	0.76	1

Note:

Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used. If the EUT is configured to transmit with duty cycle \geq 98%, set VBW \leq RBW/100 (i.e., 10 kHz) but not less than 10 Hz.



11.7.2. Test Graphs



END OF REPORT

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