

11N40SISO-Ant1-5310



11N40SISO-Ant1-5510



11N40SISO-Ant1-5590



11N40SISO-Ant1-5670



11N40SISO-Ant1-5755



11N40SISO-Ant1-5795



11AC20SISO-Ant1-5180



11AC20SISO-Ant1-5200



11AC20SISO-Ant1-5240



11AC20SISO-Ant1-5260



11AC20SISO-Ant1-5300



11AC20SISO-Ant1-5320



11AC20SISO-Ant1-5500



11AC20SISO-Ant1-5580



11AC20SISO-Ant1-5700



11AC20SISO-Ant1-5745



11AC20SISO-Ant1-5785



11AC20SISO-Ant1-5825



11AC40SISO-Ant1-5190



11AC40SISO-Ant1-5230



11AC40SISO-Ant1-5270



11AC40SISO-Ant1-5310



11AC40SISO-Ant1-5510



11AC40SISO-Ant1-5590



11AC40SISO-Ant1-5670



11AC40SISO-Ant1-5755



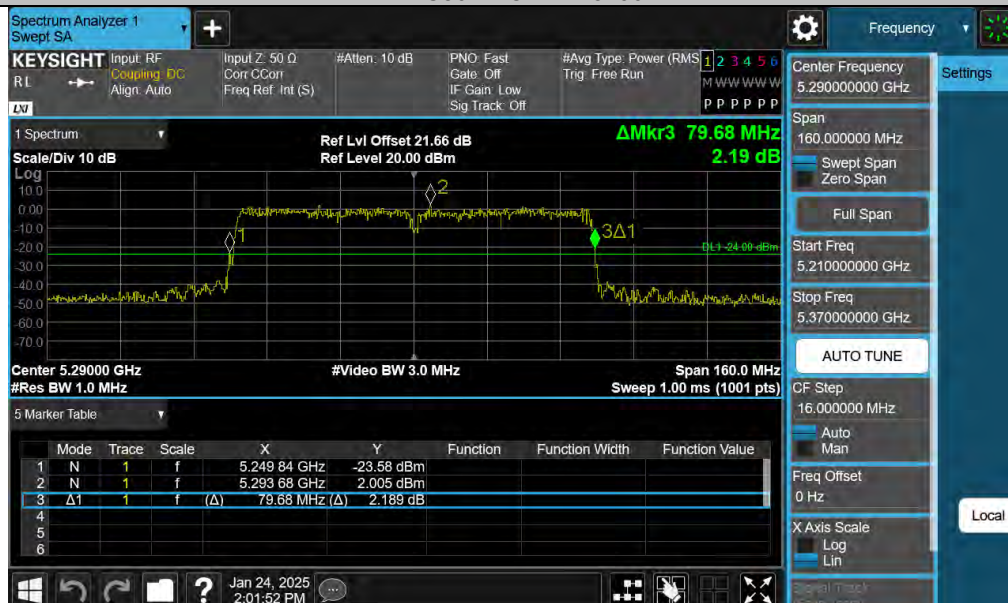
11AC40SISO-Ant1-5795



11AC80SISO-Ant1-5210



11AC80SISO-Ant1-5290



11AC80SISO-Ant1-5530



11AC80SISO-Ant1-5610



11AC80SISO-Ant1-5775



Appendix A2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.826	5171.5956	5188.4216	---	---
11A	Ant1	5200	16.880	5191.5192	5208.3992	---	---
11A	Ant1	5240	16.580	5231.7094	5248.2894	---	---
11A	Ant1	5260	16.544	5251.7224	5268.2664	---	---
11A	Ant1	5300	16.877	5291.5258	5308.4028	---	---
11A	Ant1	5320	16.813	5311.5713	5328.3843	---	---
11A	Ant1	5500	16.797	5491.6263	5508.4233	---	---
11A	Ant1	5580	16.620	5571.7023	5588.3223	---	---
11A	Ant1	5700	16.747	5691.5991	5708.3461	---	---
11A	Ant1	5745	16.715	5736.6828	5753.3978	---	---
11A	Ant1	5785	16.605	5776.7145	5793.3195	---	---
11A	Ant1	5825	16.733	5816.5552	5833.2882	---	---
11N20SISO	Ant1	5180	17.830	5171.1093	5188.9393	---	---
11N20SISO	Ant1	5200	17.735	5191.1071	5208.8421	---	---
11N20SISO	Ant1	5240	17.678	5231.1799	5248.8579	---	---
11N20SISO	Ant1	5260	17.639	5251.1718	5268.8108	---	---
11N20SISO	Ant1	5300	17.909	5291.0504	5308.9594	---	---
11N20SISO	Ant1	5320	17.899	5311.0359	5328.9349	---	---
11N20SISO	Ant1	5500	17.860	5491.0929	5508.9529	---	---
11N20SISO	Ant1	5580	17.676	5571.1615	5588.8375	---	---
11N20SISO	Ant1	5700	17.855	5691.0288	5708.8838	---	---
11N20SISO	Ant1	5745	17.817	5736.1333	5753.9503	---	---
11N20SISO	Ant1	5785	17.659	5776.1590	5793.8180	---	---
11N20SISO	Ant1	5825	17.839	5816.0237	5833.8627	---	---
11N40SISO	Ant1	5190	36.687	5171.6900	5208.3770	---	---
11N40SISO	Ant1	5230	36.234	5211.8927	5248.1267	---	---
11N40SISO	Ant1	5270	36.209	5251.9058	5288.1148	---	---
11N40SISO	Ant1	5310	36.582	5291.6549	5328.2369	---	---
11N40SISO	Ant1	5510	36.690	5491.6913	5528.3813	---	---
11N40SISO	Ant1	5590	36.176	5571.9180	5608.0940	---	---
11N40SISO	Ant1	5670	36.660	5651.6900	5688.3500	---	---
11N40SISO	Ant1	5755	36.497	5736.8089	5773.3059	---	---
11N40SISO	Ant1	5795	36.077	5776.9658	5813.0428	---	---
11AC20SISO	Ant1	5180	17.864	5171.1040	5188.9680	---	---
11AC20SISO	Ant1	5200	17.931	5191.0136	5208.9446	---	---
11AC20SISO	Ant1	5240	17.703	5231.1213	5248.8243	---	---
11AC20SISO	Ant1	5260	17.652	5251.1576	5268.8096	---	---
11AC20SISO	Ant1	5300	17.938	5291.0194	5308.9574	---	---
11AC20SISO	Ant1	5320	17.908	5311.0201	5328.9281	---	---
11AC20SISO	Ant1	5500	17.831	5491.0952	5508.9262	---	---
11AC20SISO	Ant1	5580	17.632	5571.1738	5588.8058	---	---
11AC20SISO	Ant1	5700	17.833	5691.0410	5708.8740	---	---
11AC20SISO	Ant1	5745	17.811	5736.1420	5753.9530	---	---
11AC20SISO	Ant1	5785	17.672	5776.1403	5793.8123	---	---
11AC20SISO	Ant1	5825	17.802	5816.0709	5833.8729	---	---
11AC40SISO	Ant1	5190	36.477	5171.8036	5208.2806	---	---
11AC40SISO	Ant1	5230	36.187	5211.9255	5248.1125	---	---
11AC40SISO	Ant1	5270	36.233	5251.8565	5288.0895	---	---
11AC40SISO	Ant1	5310	36.642	5291.6097	5328.2517	---	---
11AC40SISO	Ant1	5510	36.513	5491.7957	5528.3087	---	---
11AC40SISO	Ant1	5590	36.180	5571.9060	5608.0860	---	---
11AC40SISO	Ant1	5670	36.693	5651.7005	5688.3935	---	---
11AC40SISO	Ant1	5755	36.539	5736.8400	5773.3790	---	---
11AC40SISO	Ant1	5795	36.185	5776.8830	5813.0680	---	---



11AC80SISO	Ant1	5210	75.870	5172.1195	5247.9895	---	---
11AC80SISO	Ant1	5290	75.785	5251.9513	5327.7363	---	---
11AC80SISO	Ant1	5530	75.762	5492.2444	5568.0064	---	---
11AC80SISO	Ant1	5610	75.280	5572.4720	5647.7520	---	---
11AC80SISO	Ant1	5775	75.163	5737.3664	5812.5294	---	---

Test Graphs

11A-Ant1-5180



11A-Ant1-5200



11A-Ant1-5240



11A-Ant1-5260



11A-Ant1-5300



11A-Ant1-5320



11A-Ant1-5500



11A-Ant1-5580



11A-Ant1-5700



11A-Ant1-5745



11A-Ant1-5785



11A-Ant1-5825



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



11N20SISO-Ant1-5240



11N20SISO-Ant1-5260



11N20SISO-Ant1-5300



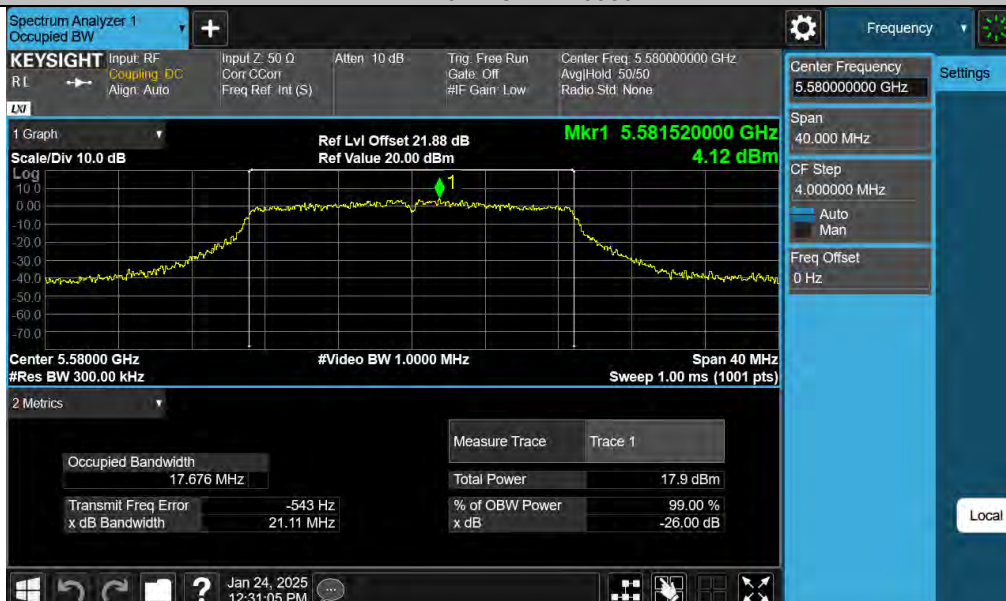
11N20SISO-Ant1-5320



11N20SISO-Ant1-5500



11N20SISO-Ant1-5580



11N20SISO-Ant1-5700



11N20SISO-Ant1-5745



11N20SISO-Ant1-5785



11N20SISO-Ant1-5825



11N40SISO-Ant1-5190



11N40SISO-Ant1-5230



11N40SISO-Ant1-5270



11N40SISO-Ant1-5310



11N40SISO-Ant1-5510



11N40SISO-Ant1-5590



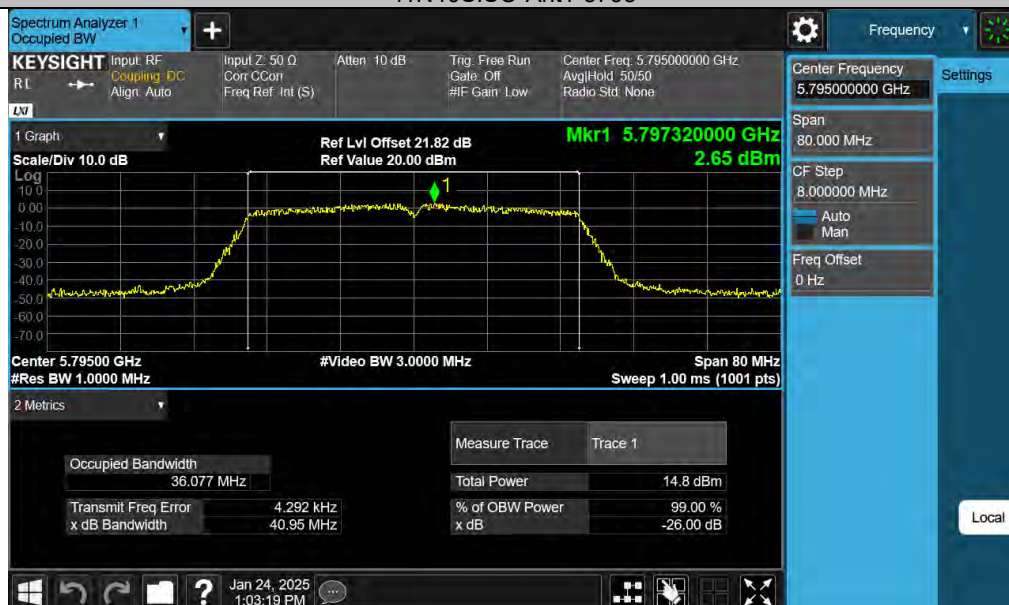
11N40SISO-Ant1-5670



11N40SISO-Ant1-5755



11N40SISO-Ant1-5795



11AC20SISO-Ant1-5180



11AC20SISO-Ant1-5200



11AC20SISO-Ant1-5240



11AC20SISO-Ant1-5260



11AC20SISO-Ant1-5300



11AC20SISO-Ant1-5320



11AC20SISO-Ant1-5500



11AC20SISO-Ant1-5580



11AC20SISO-Ant1-5700



11AC20SISO-Ant1-5745



11AC20SISO-Ant1-5785



11AC20SISO-Ant1-5825



11AC40SISO-Ant1-5190



11AC40SISO-Ant1-5230



11AC40SISO-Ant1-5270



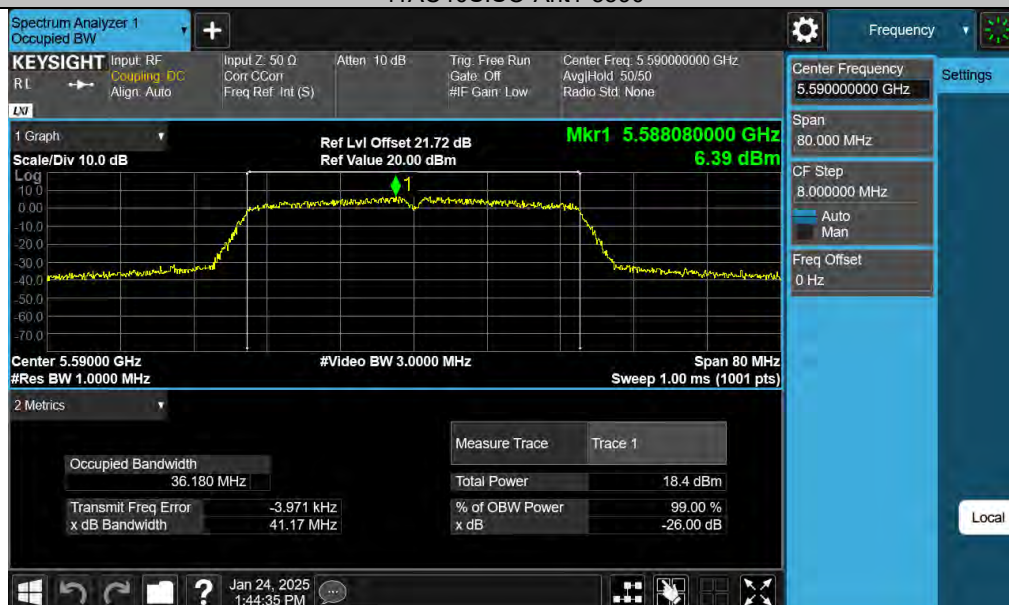
11AC40SISO-Ant1-5310



11AC40SISO-Ant1-5510



11AC40SISO-Ant1-5590



11AC40SISO-Ant1-5670



11AC40SISO-Ant1-5755



11AC40SISO-Ant1-5795



Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF
RL Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr: CCorr
Freq Ref: Int (S)

Atten: 10 dB

Trig: Free Run
Gate: Off
#IF Gain: Low

Center Freq: 5.210000000 GHz
Avg/Hold: 50/50
Radio Std: None

Center Frequency
5.210000000 GHz

Settings

Span
160.00 MHz

CF Step
16.000000 MHz

Auto
Man

Freq Offset
0 Hz

1 Graph

Scale/Div 10.0 dB

Ref Lvl Offset 21.44 dB
Ref Value 20.00 dBm

Mkr1 5.20640000 GHz
4.43 dBm

Center 5.21000 GHz
#Res BW 1.0000 MHz

#Video BW 3.0000 MHz

Span 160 MHz
Sweep 1.00 ms (1001 pts)

2 Metrics

Occupied Bandwidth
75.870 MHz

Transmit Freq Error
54.479 kHz

x dB Bandwidth
100.1 MHz

Measure Trace
Trace 1

Total Power
19.2 dBm

% of OBW Power
99.00 %

x dB
-26.00 dB

Local

Jan 24, 2025
1:56:36 PM

Spectrum Analyzer 1
Occupied BW

KEYSIGHT Input: RF
Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr: CCon
Freq Ref: Int (S)

Atten: 10 dB

Trig: Free Run
Gate: Off
#IF Gain: Low

Center Freq: 5.290000000 GHz
Avg/Hold: 50/50
Radio Std: None

1 Graph
Scale/Div 10.0 dB
Log

Ref Lvl Offset 21.66 dB
Ref Value 20.00 dBm

Mkr 1 5.291440000 GHz
2.51 dBm

Center 5.29000 GHz
#Res BW 3.0000 MHz
Span 160 MHz
Sweep 1.00 ms (1001 pts)

2 Metrics

Occupied Bandwidth	
75.785 MHz	

Transmit Freq Error	
-156.24 kHz	

x dB Bandwidth	
111.5 MHz	

Total Power	
17.3 dBm	

% of OBW Power	
99.00 %	

x dB	
-26.00 dB	

Settings

Center Frequency
5.290000000 GHz

Span
160.00 MHz

CF Step
16.000000 MHz

Auto
Man

Freq Offset
0 Hz

Local

Jan 24, 2025
2:02:06 PM

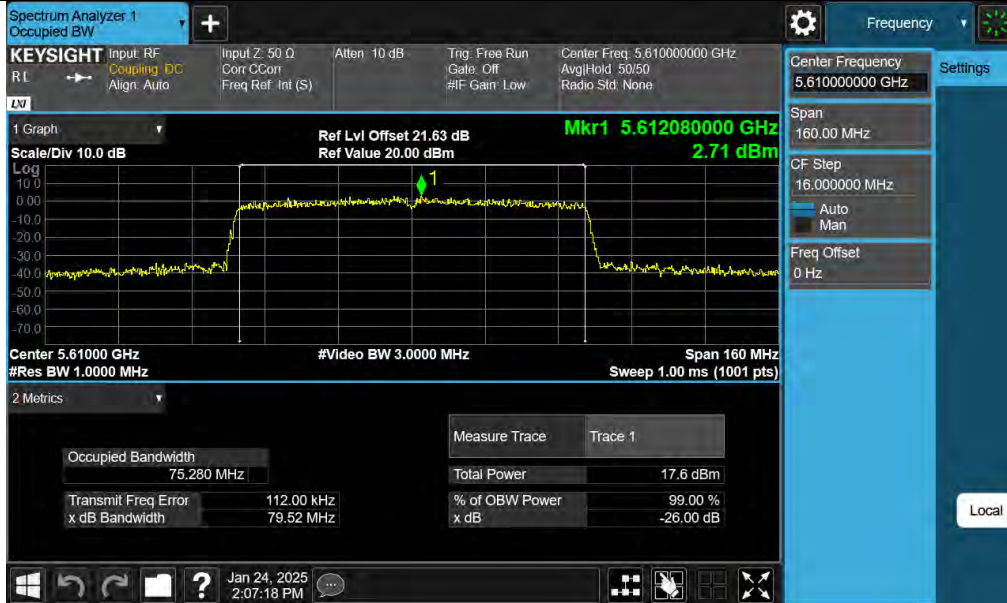
Figure 1: Spectrum Analyzer 1 interface showing the spectrum of a signal. The main display shows a yellow trace on a grid. The center frequency is 5.53000000 GHz, and the span is 160.00 MHz. The signal level is 22.14 dB, and the reference value is 20.00 dBm. The signal is identified as Mkr1 5.531920000 GHz, 2.92 dBm.

Key parameters displayed:

- Center Frequency: 5.53000000 GHz
- Span: 160.00 MHz
- CF Step: 16.000000 MHz
- Freq Offset: 0 Hz
- Center: 5.53000 GHz
- #Res BW: 1.0000 MHz
- Span: 160 MHz
- Sweep: 1.00 ms (1001 pts)
- Ref Lvl Offset: 22.14 dB
- Ref Value: 20.00 dBm
- Mkr1: 5.531920000 GHz, 2.92 dBm
- Occupied Bandwidth: 75.762 MHz
- Transmit Freq Error: 125.40 kHz
- x dB Bandwidth: 99.04 MHz
- Total Power: 17.2 dBm
- % of OBW Power: 99.00 %
- x dB: -26.00 dB

The interface includes various controls for input, coupling, and measurement, as well as a settings menu on the right.

11AC80SISO-Ant1-5610



11AC80SISO-Ant1-5775

