

Table of Contents

1.	26dB BANDWIDTH, MIN EMISSION BANDWIDTH AND 99% BANDWIDTH	2
1.1	TEST DATAS	2
1.2	TEST GRAPHS (26dB BANDWIDTH).....	6
1.3	TEST GRAPHS (OCCUPIED CHANNEL BANDWIDTH)	26
1.4	TEST GRAPHS (MIN EMISSION BANDWIDTH)	46
2.	MAXIMUM OUTPUT POWER.....	51
2.1	TEST DATA.....	51
3.	POWER SPECTRAL DENSITY	55
3.1	TEST DATAS	55
4.	TRANSMITTER SPURIOUS EMISSIONS	99
4.1	TRANSMITTER SPURIOUS EMISSIONS, BELOW 1GHz.....	99
4.2	TRANSMITTER SPURIOUS EMISSIONS, ABOVE 1GHz.....	101
5.	DYNAMIC FREQUENCY SELECTION (DFS).....	221
5.1	APPENDIX A: DFS DETECTION THRESHOLDS.....	221
5.2	APPENDIX B: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME ...	222
5.3	APPENDIX C: NON-OCCUPANCY PERIOD	223
6.	TEST RESULTS OF AC CONDUCTED EMISSIONS	224

1. 26dB Bandwidth, Min emission bandwidth and 99% Bandwidth

1.1 Test Datas

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.040	5169.960	5190.000	---	---
		5200	20.360	5189.720	5210.080	---	---
		5240	20.160	5230.000	5250.160	---	---
		5260	20.280	5249.920	5270.200	---	---
		5280	20.320	5269.720	5290.040	---	---
		5320	19.920	5309.960	5329.880	---	---
		5500	19.920	5490.000	5509.920	---	---
		5580	20.800	5569.480	5590.280	---	---
		5700	20.240	5689.800	5710.040	---	---
		5745	20.320	5734.960	5755.280	---	---
		5785	20.160	5774.840	5795.000	---	---
		5825	20.120	5814.920	5835.040	---	---
11N20MIMO	Ant1	5180	20.320	5169.920	5190.240	---	---
		5200	20.200	5189.880	5210.080	---	---
		5240	20.240	5229.840	5250.080	---	---
		5260	20.720	5249.760	5270.480	---	---
		5280	20.880	5269.320	5290.200	---	---
		5320	20.080	5309.920	5330.000	---	---
		5500	20.000	5489.960	5509.960	---	---
		5580	20.600	5569.800	5590.400	---	---
		5700	20.080	5689.880	5709.960	---	---
		5745	20.560	5734.640	5755.200	---	---
		5785	20.120	5775.000	5795.120	---	---
		5825	20.280	5814.720	5835.000	---	---
11N40MIMO	Ant1	5190	40.400	5169.680	5210.080	---	---
		5230	41.680	5209.120	5250.800	---	---
		5270	42.320	5249.760	5292.080	---	---
		5310	40.800	5289.680	5330.480	---	---
		5510	40.480	5489.680	5530.160	---	---
		5550	41.440	5529.040	5570.480	---	---
		5670	40.960	5649.440	5690.400	---	---
		5755	40.800	5734.600	5775.400	---	---
		5795	41.120	5774.440	5815.560	---	---
11AC20MIMO	Ant1	5180	20.240	5169.920	5190.160	---	---
		5200	20.560	5189.680	5210.240	---	---
		5240	20.960	5229.640	5250.600	---	---
		5260	20.400	5249.800	5270.200	---	---
		5280	20.520	5269.680	5290.200	---	---
		5320	20.240	5309.880	5330.120	---	---
		5500	20.120	5489.920	5510.040	---	---
		5580	20.640	5569.960	5590.600	---	---
		5700	20.400	5689.800	5710.200	---	---
		5745	20.280	5734.760	5755.040	---	---
		5785	20.360	5774.680	5795.040	---	---
		5825	20.600	5814.720	5835.320	---	---
11AC40MIMO	Ant1	5190	41.440	5169.040	5210.480	---	---
		5230	40.720	5209.680	5250.400	---	---
		5270	40.800	5249.680	5290.480	---	---
		5310	40.560	5289.600	5330.160	---	---
		5510	40.480	5489.680	5530.160	---	---
		5550	40.560	5529.760	5570.320	---	---
		5670	40.960	5649.520	5690.480	---	---
		5755	40.480	5734.840	5775.320	---	---
11AC80MIMO	Ant1	5210	81.440	5169.360	5250.800	---	---

Appendix B
CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 3 of 223

		5290	80.800	5249.680	5330.480	---	---
		5530	81.280	5489.520	5570.800	---	---
		5610	81.440	5569.520	5650.960	---	---
		5775	81.120	5734.520	5815.640	---	---

Appendix B
CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 4 of 223

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.767	5171.5690	5188.3360	---	---
		5200	17.004	5191.4961	5208.5001	---	---
		5240	16.968	5231.4470	5248.4150	---	---
		5260	17.040	5251.4670	5268.5070	---	---
		5280	16.955	5271.4990	5288.4540	---	---
		5320	16.794	5311.5937	5328.3877	---	---
		5500	16.849	5491.5224	5508.3714	---	---
		5580	17.001	5571.4725	5588.4735	---	---
		5700	16.920	5691.4666	5708.3866	---	---
		5745	16.872	5736.4653	5753.3373	---	---
		5785	16.877	5776.4746	5793.3516	---	---
		5825	16.779	5816.5593	5833.3383	---	---
11N20MIMO	Ant1	5180	17.729	5171.1104	5188.8394	---	---
		5200	17.957	5191.0009	5208.9579	---	---
		5240	17.908	5231.0364	5248.9444	---	---
		5260	18.027	5250.9467	5268.9737	---	---
		5280	18.035	5270.9085	5288.9435	---	---
		5320	17.782	5311.0958	5328.8778	---	---
		5500	17.788	5491.0776	5508.8656	---	---
		5580	17.883	5570.9930	5588.8760	---	---
		5700	17.796	5691.0393	5708.8353	---	---
		5745	17.839	5736.0337	5753.8727	---	---
		5785	17.812	5775.9909	5793.8029	---	---
		5825	17.828	5816.0372	5833.8652	---	---
11N40MIMO	Ant1	5190	36.159	5171.8414	5208.0004	---	---
		5230	36.239	5211.8803	5248.1193	---	---
		5270	36.383	5251.8195	5288.2025	---	---
		5310	36.351	5291.8494	5328.2004	---	---
		5510	36.104	5491.8953	5527.9993	---	---
		5550	36.242	5531.8584	5568.1004	---	---
		5670	36.358	5651.7612	5688.1192	---	---
		5755	36.228	5736.8401	5773.0681	---	---
11AC20MIMO	Ant1	5180	17.773	5171.0745	5188.8475	---	---
		5200	17.930	5190.9801	5208.9101	---	---
		5240	17.923	5230.9986	5248.9216	---	---
		5260	17.944	5250.9844	5268.9284	---	---
		5280	18.051	5270.9202	5288.9712	---	---
		5320	17.795	5311.0639	5328.8589	---	---
		5500	17.871	5491.0517	5508.9227	---	---
		5580	17.968	5570.9984	5588.9664	---	---
		5700	17.847	5691.0089	5708.8559	---	---
		5745	17.782	5736.0493	5753.8313	---	---
		5785	17.824	5776.0165	5793.8405	---	---
		5825	17.785	5816.0537	5833.8387	---	---
11AC40MIMO	Ant1	5190	36.169	5171.8656	5208.0346	---	---
		5230	36.256	5211.8157	5248.0717	---	---
		5270	36.266	5251.8879	5288.1539	---	---
		5310	36.225	5291.8621	5328.0871	---	---
		5510	36.163	5491.9074	5528.0704	---	---
		5550	36.181	5531.8562	5568.0372	---	---
		5670	36.277	5651.8547	5688.1317	---	---
		5755	36.223	5736.7717	5772.9947	---	---
11AC80MIMO	Ant1	5210	75.726	5172.0855	5247.8115	---	---
		5290	75.586	5252.3319	5327.9179	---	---
		5530	75.606	5492.2201	5567.8261	---	---
		5610	75.644	5572.3000	5647.9440	---	---
		5775	75.749	5737.0396	5812.7886	---	---

Appendix B
CN23L27E 003

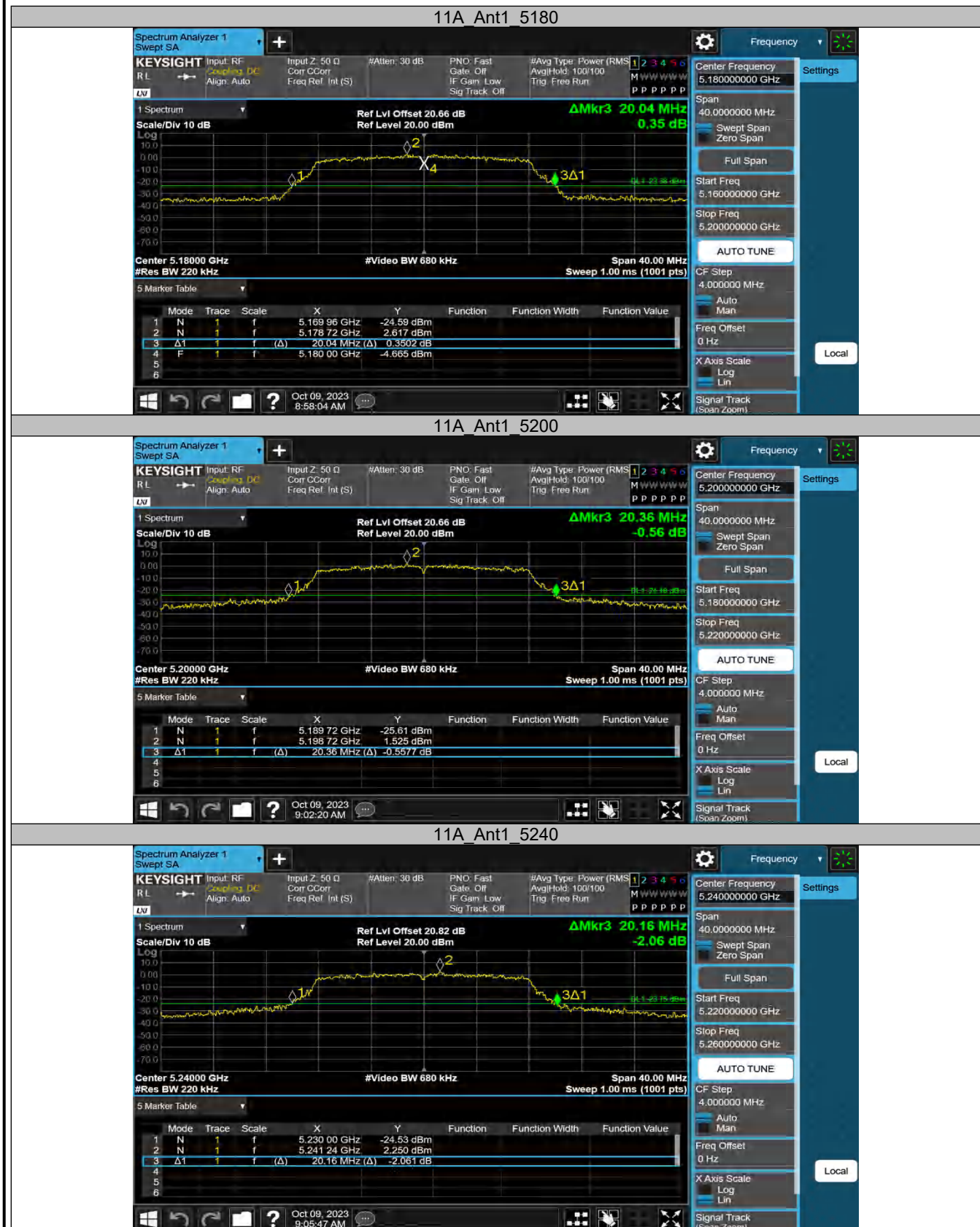


Prüfbericht - Produkte
Test Report - Products

Page 5 of 223

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	12.920	5738.360	5751.280	0.5	PASS
		5785	16.040	5776.800	5792.840	0.5	PASS
		5825	12.560	5818.680	5831.240	0.5	PASS
11N20MIMO	Ant1	5745	13.040	5737.800	5750.840	0.5	PASS
		5785	16.520	5776.800	5793.320	0.5	PASS
		5825	15.240	5817.160	5832.400	0.5	PASS
11N40MIMO	Ant1	5755	33.840	5738.600	5772.440	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC20MIMO	Ant1	5745	14.920	5737.480	5752.400	0.5	PASS
		5785	13.720	5778.720	5792.440	0.5	PASS
		5825	13.840	5818.600	5832.440	0.5	PASS
11AC40MIMO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC80MIMO	Ant1	5775	75.040	5737.400	5812.440	0.5	PASS

1.2 Test Graphs (26dB Bandwidth)



Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 7 of 223

11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11A_Ant1_5500

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 8 of 223



11A_Ant1_5580



11A_Ant1_5700



11A_Ant1_5745

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 9 of 223



11A_Ant1_5785



11A_Ant1_5825



11N20MIMO_Ant1_5180

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 10 of 223



11N20MIMO_Ant1 5200



11N20MIMO_Ant1 5240



11N20MIMO_Ant1 5260

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 11 of 223



11N20MIMO_Ant1 5280



11N20MIMO_Ant1 5320



11N20MIMO_Ant1 5500

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 12 of 223



11N20MIMO_Ant1 5580



11N20MIMO_Ant1 5700



11N20MIMO_Ant1 5745

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 13 of 223



11N20MIMO_Ant1 5785



11N20MIMO_Ant1 5825



11N40MIMO_Ant1 5190

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 14 of 223



11N40MIMO_Ant1 5230



11N40MIMO_Ant1 5270



11N40MIMO_Ant1 5310

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 15 of 223



11N40MIMO_Ant1 5510



11N40MIMO_Ant1 5550



11N40MIMO_Ant1 5670

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 16 of 223



11N40MIMO_Ant1_5755



11N40MIMO_Ant1_5795



11AC20MIMO_Ant1_5180

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 17 of 223



11AC20MIMO_Ant1_5200



11AC20MIMO_Ant1_5240



11AC20MIMO_Ant1_5260

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 18 of 223



11AC20MIMO_Ant1_5280



11AC20MIMO_Ant1_5320



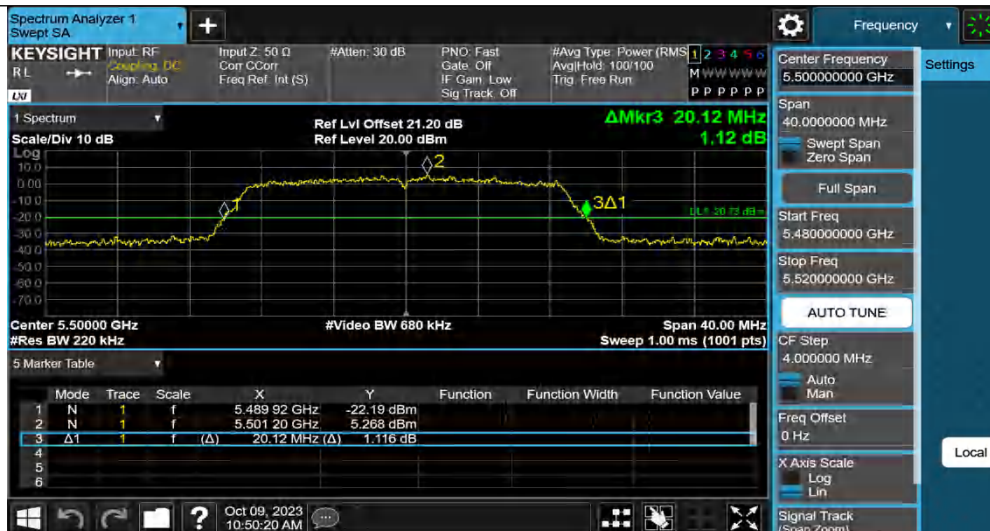
11AC20MIMO_Ant1_5500

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 19 of 223



11AC20MIMO_Ant1_5580



11AC20MIMO_Ant1_5700



11AC20MIMO_Ant1_5745

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 20 of 223



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant1_5825



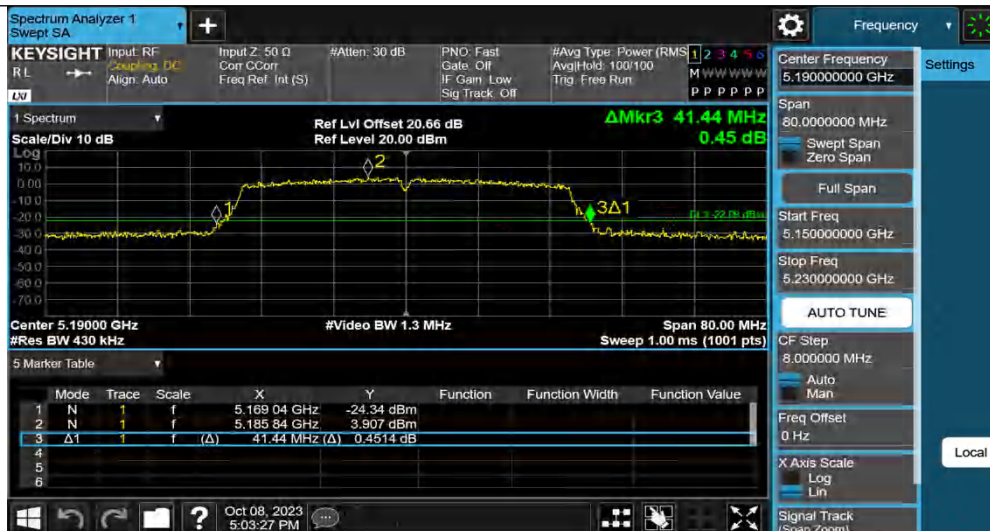
11AC40MIMO_Ant1_5190

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 21 of 223



11AC40MIMO_Ant1_5230



11AC40MIMO_Ant1_5270



11AC40MIMO_Ant1_5310

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 22 of 223



11AC40MIMO_Ant1_5510



11AC40MIMO_Ant1_5550



11AC40MIMO_Ant1_5670

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 23 of 223



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant1_5795



11AC80MIMO_Ant1_5210

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 24 of 223



11AC80MIMO_Ant1_5290



11AC80MIMO_Ant1_5530



11AC80MIMO_Ant1_5610



11AC80MIMO_Ant1_5775



1.3 Test Graphs (Occupied channel bandwidth)



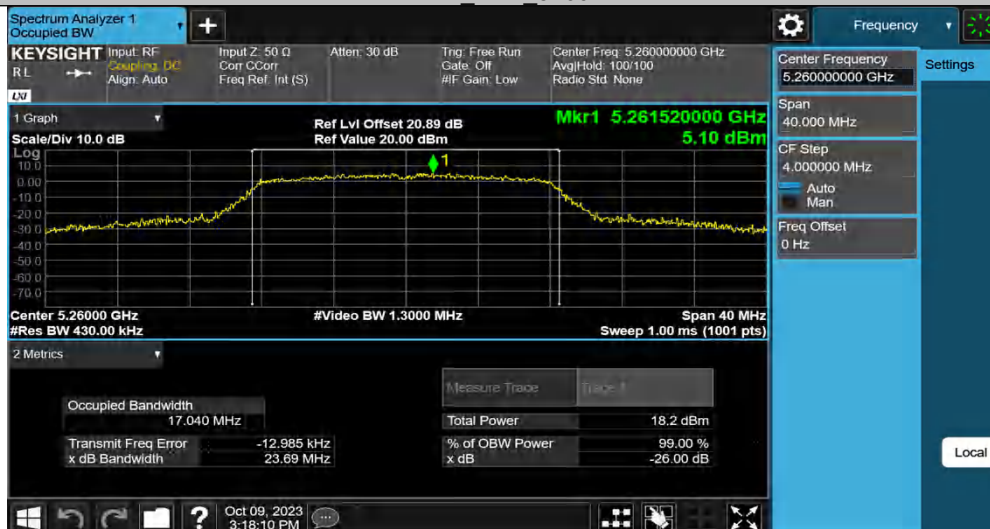
Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 27 of 223

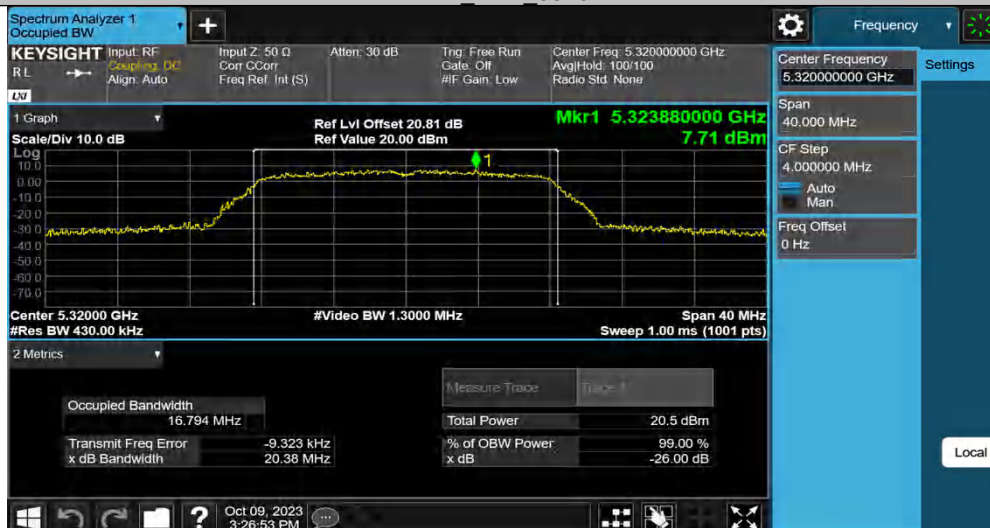
11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320

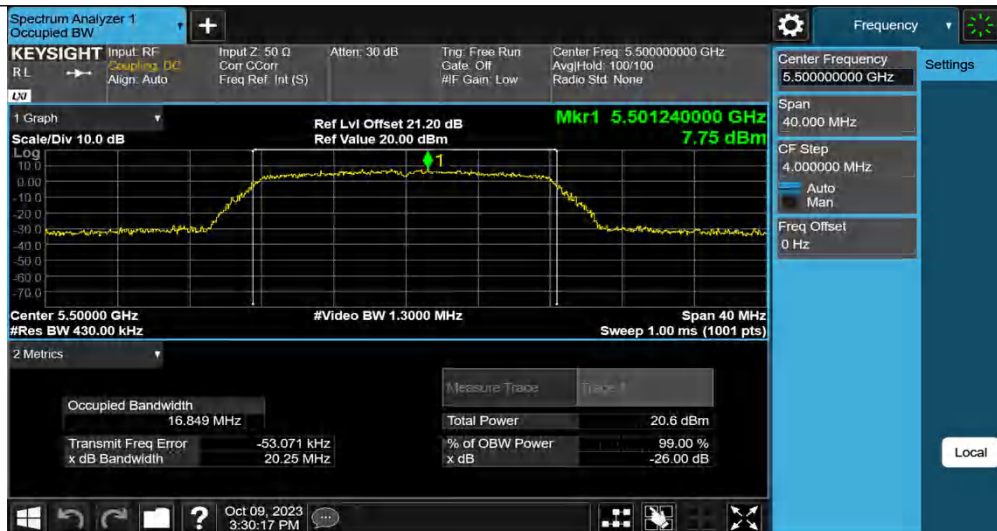


11A_Ant1_5500

Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

Page 28 of 223



11A_Ant1_5580



11A_Ant1_5700



11A_Ant1_5745

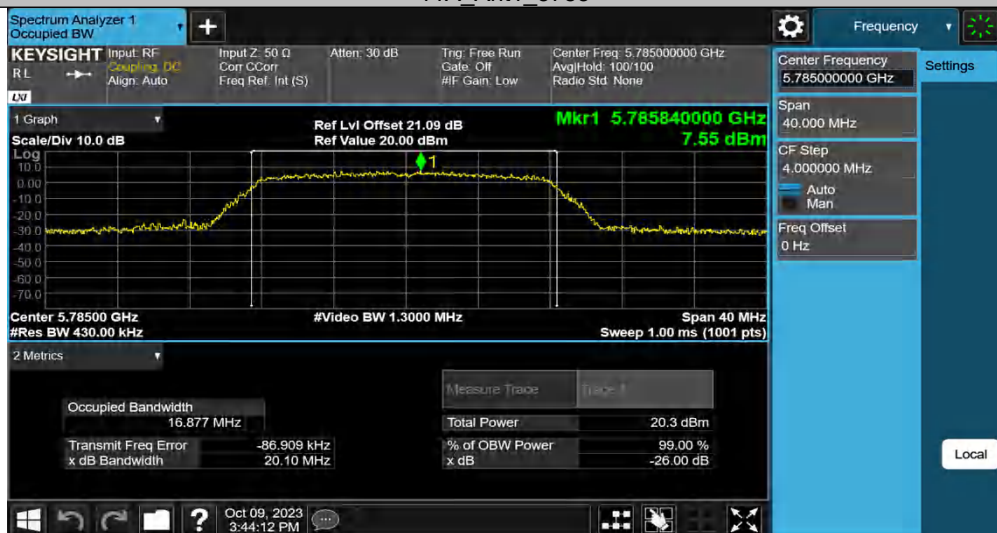
Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

Page 29 of 223



11A_Ant1_5785



11A_Ant1_5825



11N20MIMO_Ant1_5180

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 30 of 223



11N20MIMO_Ant1_5200



11N20MIMO_Ant1_5240



11N20MIMO_Ant1_5260

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 31 of 223



11N20MIMO_Ant1 5280



11N20MIMO_Ant1 5320



11N20MIMO_Ant1 5500

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 32 of 223



11N20MIMO_Ant1 5580



11N20MIMO_Ant1 5700



11N20MIMO_Ant1 5745

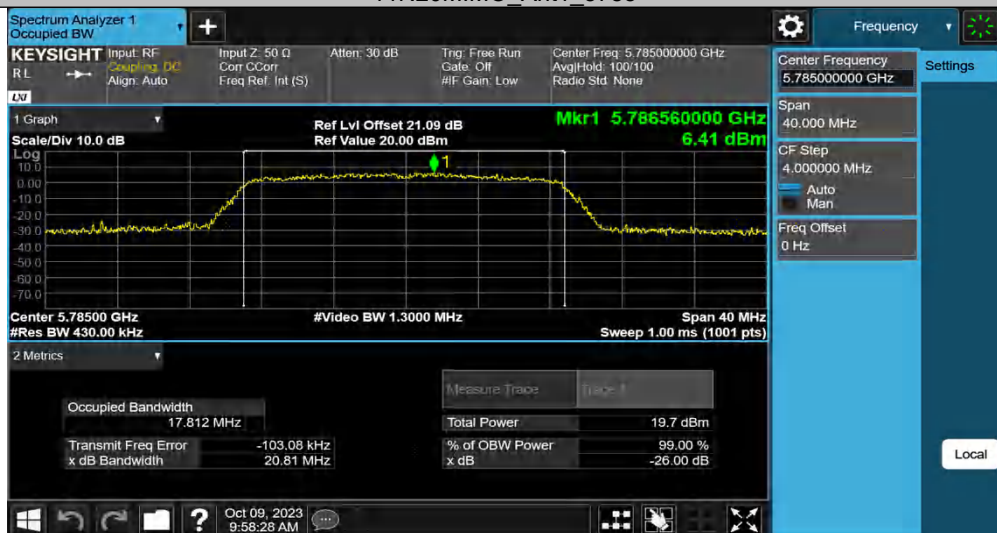
Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

Page 33 of 223



11N20MIMO_Ant1 5785



11N20MIMO_Ant1 5825



11N40MIMO_Ant1 5190

Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

Page 34 of 223



Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

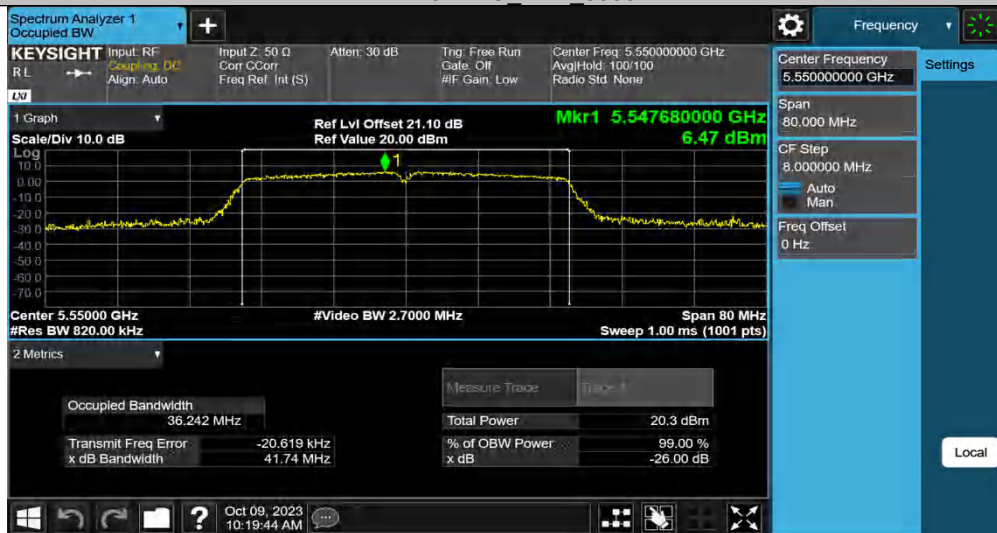
Page 35 of 223



11N40MIMO_Ant1 5510



11N40MIMO_Ant1 5550



11N40MIMO_Ant1 5670

Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

Page 36 of 223



11N40MIMO_Ant1_5755



11N40MIMO_Ant1_5795



11AC20MIMO_Ant1_5180

Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

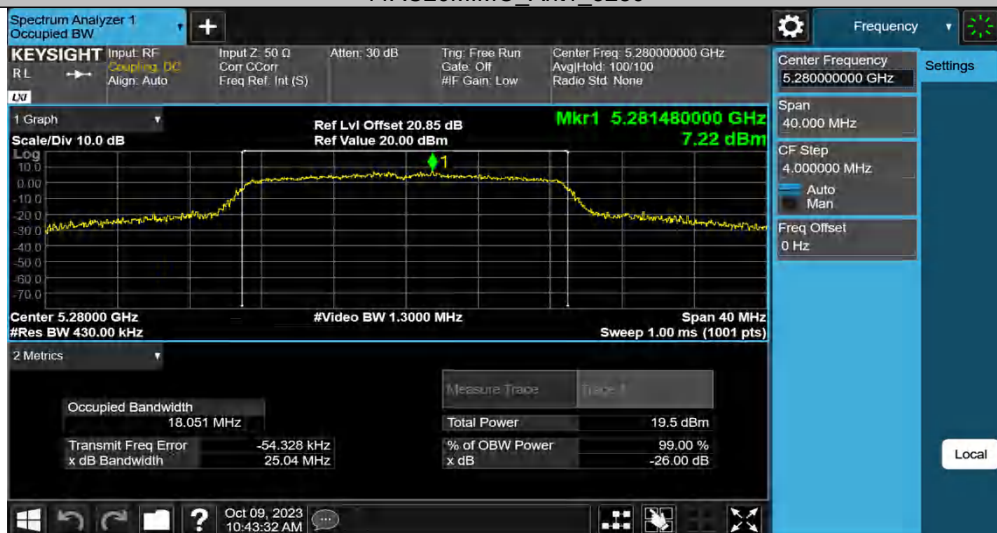
Page 37 of 223



Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

Page 38 of 223



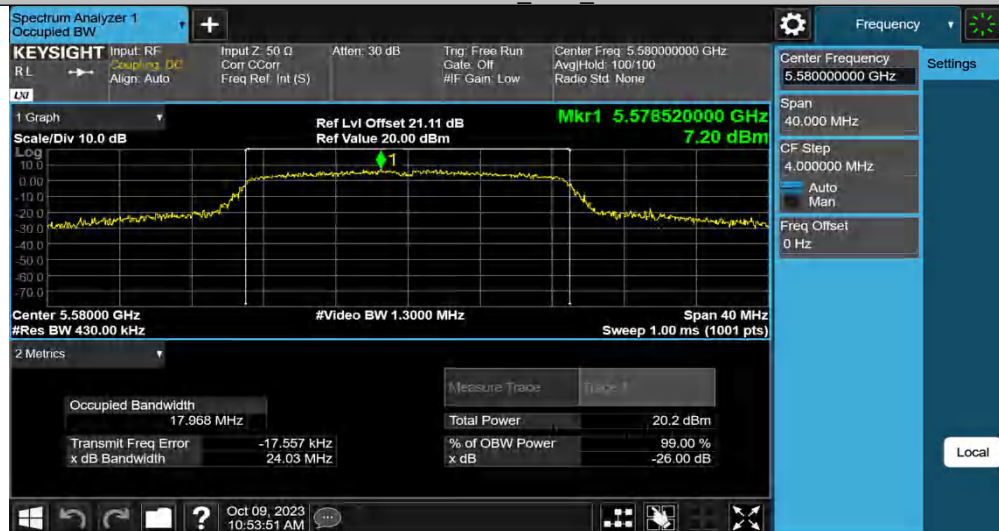
Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

Page 39 of 223



11AC20MIMO_Ant1_5580



11AC20MIMO_Ant1_5700

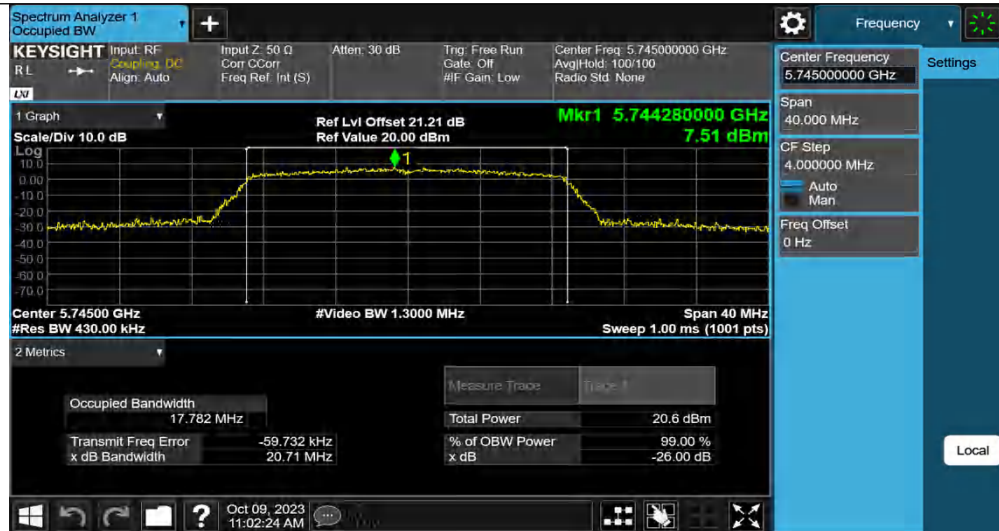


11AC20MIMO_Ant1_5745

Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

Page 40 of 223



11AC40MIMO_Ant1_5190

Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

Page 41 of 223



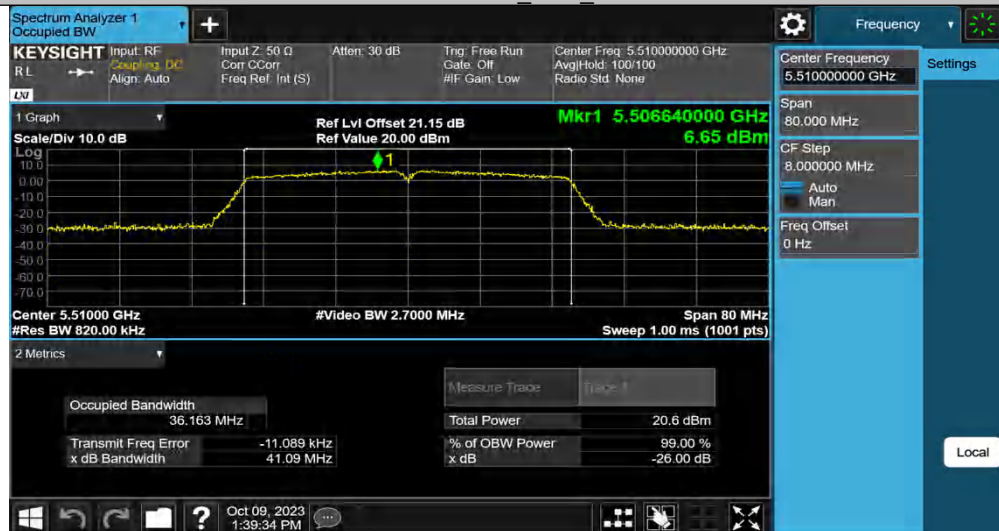
Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

Page 42 of 223



11AC40MIMO_Ant1_5510



11AC40MIMO_Ant1_5550

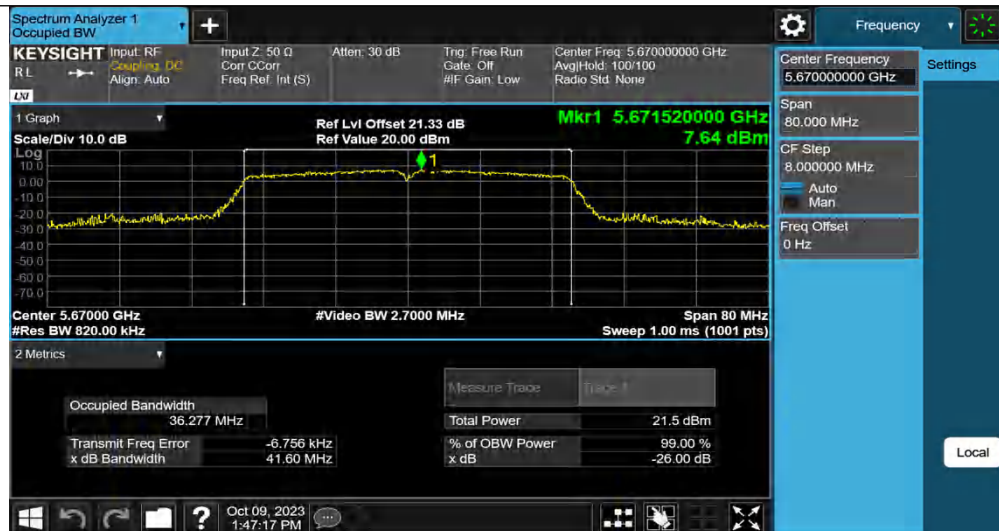


11AC40MIMO_Ant1_5670

Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

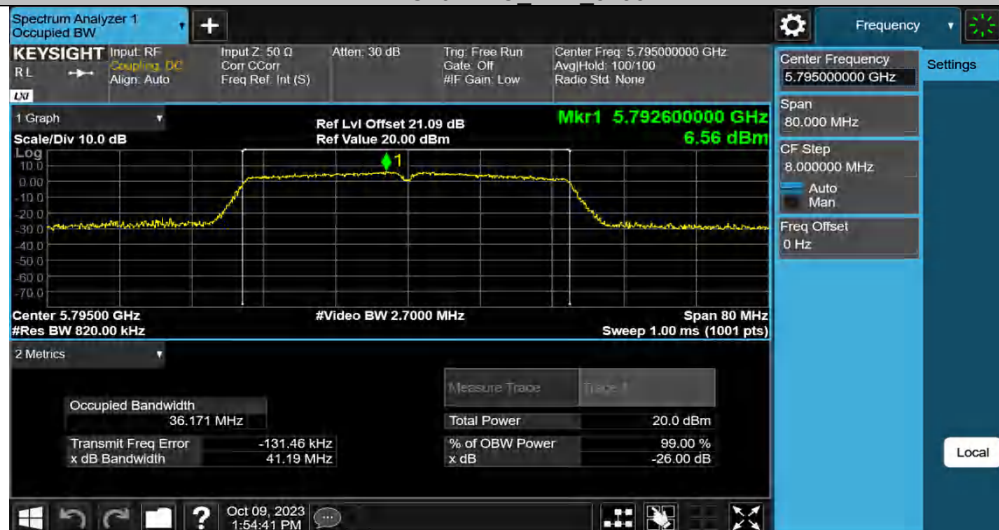
Page 43 of 223



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant1_5795

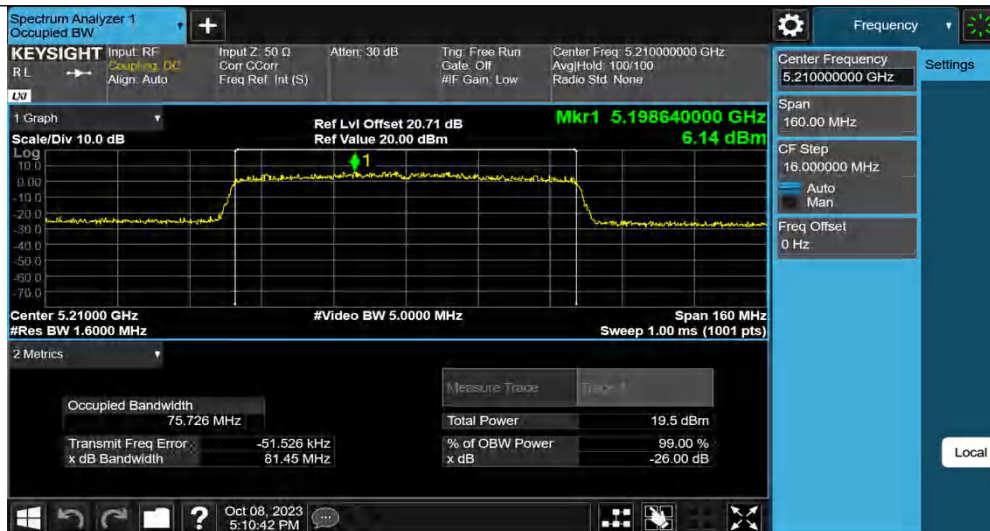


11AC80MIMO_Ant1_5210

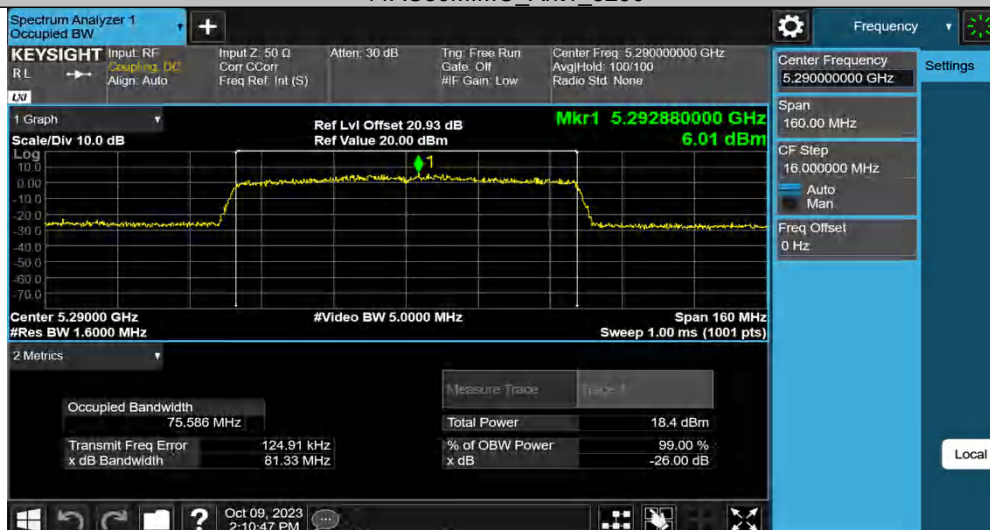
Appendix B CN23L27E 003

Prüfbericht - Produkte
Test Report - Products

Page 44 of 223



11AC80MIMO_Ant1_5290



11AC80MIMO_Ant1_5530



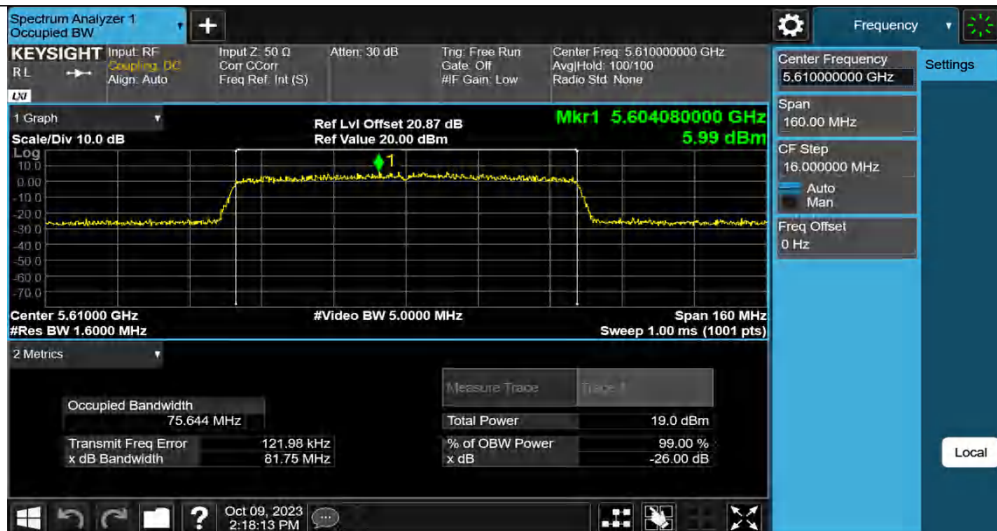
11AC80MIMO_Ant1_5610

Appendix B CN23L27E 003

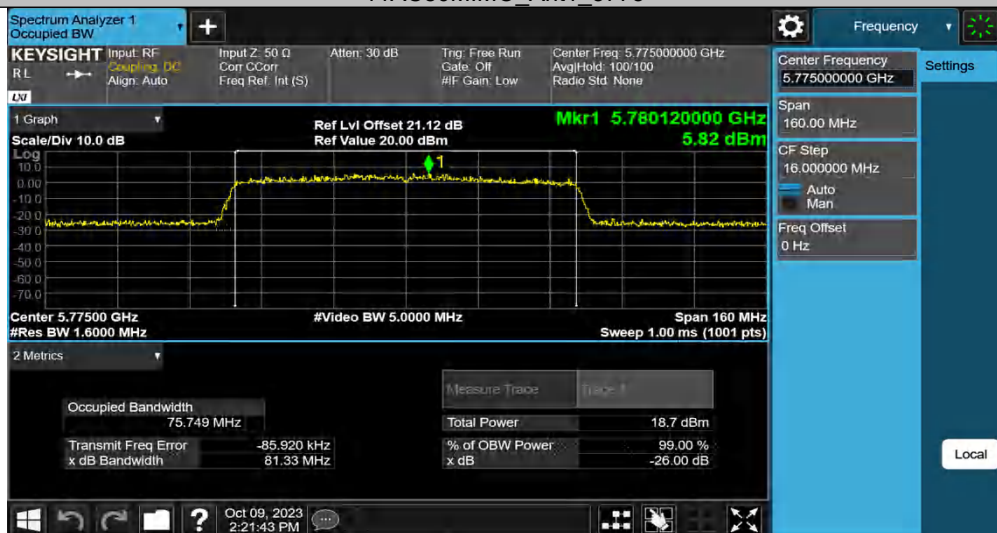


Prüfbericht - Produkte
Test Report - Products

Page 45 of 223



11AC80MIMO_Ant1_5775

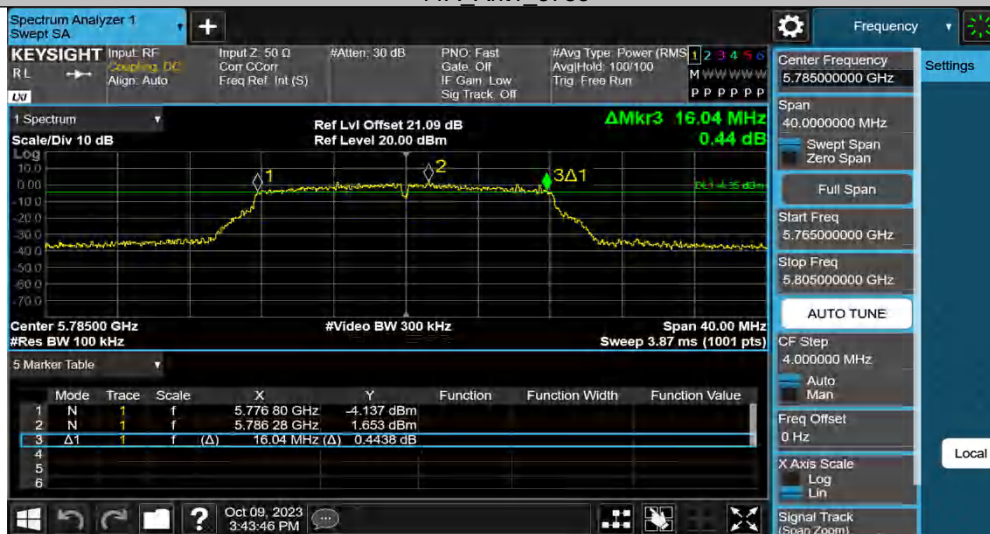


1.4 Test Graphs (Min emission bandwidth)

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20MIMO_Ant1_5745

Appendix B CN23L27E 003



Prüfbericht - Produkte
Test Report - Products

Page 47 of 223



11N20MIMO_Ant1_5785



11N20MIMO_Ant1_5825



11N40MIMO_Ant1_5755