Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.480	5170.760	5189.240	---	PASS
	Ant2	5180	18.680	5170.760	5189.440	---	PASS
	Ant1	5200	18.480	5190.760	5209.240	---	PASS
	Ant2	5200	18.400	5190.800	5209.200	---	PASS
	Ant1	5240	18.640	5230.680	5249.320	---	PASS
	Ant2	5240	18.520	5230.600	5249.120	---	PASS
	Ant1	5260	18.480	5250.760	5269.240	---	PASS
	Ant2	5260	18.400	5250.760	5269.160	---	PASS
	Ant1	5280	18.600	5270.720	5289.320	---	PASS
	Ant2	5280	18.760	5270.600	5289.360	---	PASS
	Ant1	5320	18.720	5310.600	5329.320	---	PASS
	Ant2	5320	18.520	5310.840	5329.360	---	PASS
	Ant1	5500	18.400	5490.880	5509.280	---	PASS
	Ant2	5500	18.520	5490.840	5509.360	---	PASS
	Ant1	5580	18.600	5570.680	5589.280	---	PASS
	Ant2	5580	26.000	5568.280	5594.280	---	PASS
	Ant1	5700	18.360	5690.840	5709.200	---	PASS
	Ant2	5700	22.320	5690.560	5712.880	---	PASS
	Ant1	5745	18.600	5735.840	5754.440	---	PASS
	Ant2	5745	29.560	5731.440	5761.000	---	PASS
	Ant1	5785	21.120	5775.560	5796.680	---	PASS
	Ant2	5785	33.840	5767.800	5801.640	---	PASS
	Ant1	5825	22.280	5814.280	5836.560	---	PASS
	Ant2	5825	33.320	5808.960	5842.280	---	PASS
11N20SISO	Ant1	5180	19.320	5170.360	5189.680	---	PASS
	Ant2	5180	19.440	5170.320	5189.760	---	PASS
	Ant1	5200	19.360	5190.360	5209.720	---	PASS
	Ant2	5200	19.400	5190.280	5209.680	---	PASS
	Ant1	5240	19.240	5230.400	5249.640	---	PASS
	Ant2	5240	19.360	5230.400	5249.760	---	PASS
	Ant1	5260	19.400	5250.320	5269.720	---	PASS
	Ant2	5260	19.280	5250.400	5269.680	---	PASS
	Ant1	5280	19.400	5270.240	5289.640	---	PASS
	Ant2	5280	19.400	5270.320	5289.720	---	PASS
	Ant1	5320	19.280	5310.320	5329.600	---	PASS
	Ant2	5320	19.320	5310.400	5329.720	---	PASS
	Ant1	5500	19.240	5490.400	5509.640	---	PASS
	Ant2	5500	20.680	5490.120	5510.800	---	PASS

	Ant1	5580	19.520	5570.280	5589.800	---	PASS
	Ant2	5580	19.520	5570.360	5589.880	---	PASS
	Ant1	5700	19.320	5690.360	5709.680	---	PASS
	Ant2	5700	26.000	5687.280	5713.280	---	PASS
	Ant1	5745	20.920	5734.000	5754.920	---	PASS
	Ant2	5745	34.160	5729.320	5763.480	---	PASS
	Ant1	5785	27.720	5772.120	5799.840	---	PASS
	Ant2	5785	37.160	5767.000	5804.160	---	PASS
	Ant1	5825	24.200	5813.680	5837.880	---	PASS
	Ant2	5825	36.480	5807.400	5843.880	---	PASS
11N40SISO	Ant1	5190	41.920	5169.120	5211.040	---	PASS
	Ant2	5190	41.680	5168.880	5210.560	---	PASS
	Ant1	5230	42.080	5209.040	5251.120	---	PASS
	Ant2	5230	41.760	5209.280	5251.040	---	PASS
	Ant1	5270	41.520	5249.280	5290.800	---	PASS
	Ant2	5270	42.320	5248.720	5291.040	---	PASS
	Ant1	5310	42.080	5288.800	5330.880	---	PASS
	Ant2	5310	42.160	5288.800	5330.960	---	PASS
	Ant1	5510	42.000	5489.440	5531.440	---	PASS
	Ant2	5510	54.800	5486.400	5541.200	---	PASS
	Ant1	5550	41.680	5529.520	5571.200	---	PASS
	Ant2	5550	45.520	5529.120	5574.640	---	PASS
	Ant1	5670	42.240	5648.960	5691.200	---	PASS
	Ant2	5670	58.480	5644.400	5702.880	---	PASS
	Ant1	5755	53.840	5731.400	5785.240	---	PASS
	Ant2	5755	63.760	5725.320	5789.080	---	PASS
	Ant1	5795	47.200	5774.120	5821.320	---	PASS
	Ant2	5795	72.160	5762.120	5834.280	---	PASS
11AC20SISO	Ant1	5180	19.560	5170.200	5189.760	---	PASS
	Ant2	5180	19.400	5170.320	5189.720	---	PASS
	Ant1	5200	19.400	5190.320	5209.720	---	PASS
	Ant2	5200	19.280	5190.360	5209.640	---	PASS
	Ant1	5240	19.320	5230.320	5249.640	---	PASS
	Ant2	5240	19.360	5230.320	5249.680	---	PASS
	Ant1	5260	19.440	5250.360	5269.800	---	PASS
	Ant2	5260	19.360	5250.320	5269.680	---	PASS
	Ant1	5280	19.440	5270.320	5289.760	---	PASS
	Ant2	5280	19.400	5270.320	5289.720	---	PASS
	Ant1	5320	19.520	5310.200	5329.720	---	PASS
	Ant2	5320	19.280	5310.320	5329.600	---	PASS
	Ant1	5500	19.440	5490.320	5509.760	---	PASS
	Ant2	5500	22.120	5488.680	5510.800	---	PASS
	Ant1	5580	19.640	5570.240	5589.880	---	PASS

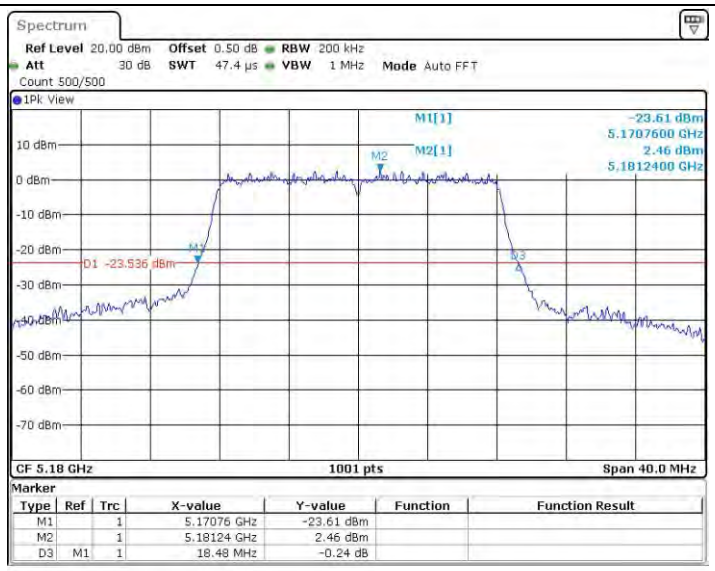
	Ant2	5580	28.440	5567.280	5595.720	---	PASS
	Ant1	5700	20.000	5690.360	5710.360	---	PASS
	Ant2	5700	32.760	5684.520	5717.280	---	PASS
	Ant1	5745	22.720	5733.240	5755.960	---	PASS
	Ant2	5745	34.040	5728.360	5762.400	---	PASS
	Ant1	5785	24.000	5774.880	5798.880	---	PASS
	Ant2	5785	37.640	5767.080	5804.720	---	PASS
	Ant1	5825	22.680	5814.880	5837.560	---	PASS
	Ant2	5825	34.600	5807.680	5842.280	---	PASS
11AC40SISO	Ant1	5190	41.680	5169.360	5211.040	---	PASS
	Ant2	5190	41.840	5169.120	5210.960	---	PASS
	Ant1	5230	41.680	5209.120	5250.800	---	PASS
	Ant2	5230	41.840	5209.120	5250.960	---	PASS
	Ant1	5270	41.840	5249.040	5290.880	---	PASS
	Ant2	5270	41.520	5249.280	5290.800	---	PASS
	Ant1	5310	41.760	5289.120	5330.880	---	PASS
	Ant2	5310	41.840	5289.040	5330.880	---	PASS
	Ant1	5510	41.760	5489.120	5530.880	---	PASS
	Ant2	5510	44.080	5488.800	5532.880	---	PASS
	Ant1	5550	41.920	5529.360	5571.280	---	PASS
	Ant2	5550	41.920	5529.280	5571.200	---	PASS
	Ant1	5670	42.160	5648.960	5691.120	---	PASS
	Ant2	5670	64.880	5641.040	5705.920	---	PASS
	Ant1	5755	48.640	5734.040	5782.680	---	PASS
	Ant2	5755	74.160	5717.640	5791.800	---	PASS
	Ant1	5795	62.640	5768.360	5831.000	---	PASS
	Ant2	5795	73.760	5757.800	5831.560	---	PASS
11AC80SISO	Ant1	5210	81.760	5169.360	5251.120	---	PASS
	Ant2	5210	82.400	5169.040	5251.440	---	PASS
	Ant1	5290	81.600	5249.360	5330.960	---	PASS
	Ant2	5290	81.760	5249.200	5330.960	---	PASS
	Ant1	5530	82.080	5489.520	5571.600	---	PASS
	Ant2	5530	131.200	5473.520	5604.720	---	PASS
	Ant1	5610	81.440	5569.520	5650.960	---	PASS
	Ant2	5610	130.720	5553.200	5683.920	---	PASS
	Ant1	5775	99.840	5729.560	5829.400	---	PASS
	Ant2	5775	148.800	5699.960	5848.760	---	PASS
11N20MIMO	Ant1	5180	19.400	5170.360	5189.760	---	PASS
	Ant2	5180	19.400	5170.280	5189.680	---	PASS
	Ant1	5200	19.240	5190.440	5209.680	---	PASS
	Ant2	5200	19.280	5190.400	5209.680	---	PASS
	Ant1	5240	19.360	5230.400	5249.760	---	PASS
	Ant2	5240	19.320	5230.360	5249.680	---	PASS

	Ant1	5260	19.360	5250.400	5269.760	---	PASS
	Ant2	5260	19.280	5250.400	5269.680	---	PASS
	Ant1	5280	19.400	5270.400	5289.800	---	PASS
	Ant2	5280	19.280	5270.400	5289.680	---	PASS
	Ant1	5320	19.360	5310.360	5329.720	---	PASS
	Ant2	5320	19.400	5310.280	5329.680	---	PASS
	Ant1	5500	19.400	5490.360	5509.760	---	PASS
	Ant2	5500	28.480	5486.120	5514.600	---	PASS
	Ant1	5580	19.400	5570.400	5589.800	---	PASS
	Ant2	5580	24.600	5569.280	5593.880	---	PASS
	Ant1	5700	19.440	5690.360	5709.800	---	PASS
	Ant2	5700	20.640	5689.240	5709.880	---	PASS
	Ant1	5745	25.840	5733.320	5759.160	---	PASS
	Ant2	5745	37.280	5727.240	5764.520	---	PASS
	Ant1	5785	24.200	5774.520	5798.720	---	PASS
	Ant2	5785	37.880	5766.960	5804.840	---	PASS
	Ant1	5825	29.240	5811.200	5840.440	---	PASS
	Ant2	5825	38.880	5805.960	5844.840	---	PASS
11N40MIMO	Ant1	5190	40.480	5169.600	5210.080	---	PASS
	Ant2	5190	40.880	5169.520	5210.400	---	PASS
	Ant1	5230	40.400	5209.680	5250.080	---	PASS
	Ant2	5230	40.880	5209.600	5250.480	---	PASS
	Ant1	5270	40.480	5249.600	5290.080	---	PASS
	Ant2	5270	40.800	5249.680	5290.480	---	PASS
	Ant1	5310	40.480	5289.600	5330.080	---	PASS
	Ant2	5310	40.640	5289.760	5330.400	---	PASS
	Ant1	5510	62.640	5483.200	5545.840	---	PASS
	Ant2	5510	60.800	5484.640	5545.440	---	PASS
	Ant1	5550	41.760	5529.280	5571.040	---	PASS
	Ant2	5550	57.520	5528.080	5585.600	---	PASS
	Ant1	5670	41.920	5649.280	5691.200	---	PASS
	Ant2	5670	72.080	5633.760	5705.840	---	PASS
	Ant1	5755	74.320	5718.600	5792.920	---	PASS
	Ant2	5755	73.680	5718.760	5792.440	---	PASS
	Ant1	5795	60.640	5769.800	5830.440	---	PASS
	Ant2	5795	73.520	5758.920	5832.440	---	PASS
11AC20MIMO	Ant1	5180	19.120	5170.480	5189.600	---	PASS
	Ant2	5180	19.240	5170.400	5189.640	---	PASS
	Ant1	5200	19.240	5190.440	5209.680	---	PASS
	Ant2	5200	19.240	5190.360	5209.600	---	PASS
	Ant1	5240	19.280	5230.360	5249.640	---	PASS
	Ant2	5240	19.120	5230.440	5249.560	---	PASS
	Ant1	5260	19.440	5250.320	5269.760	---	PASS

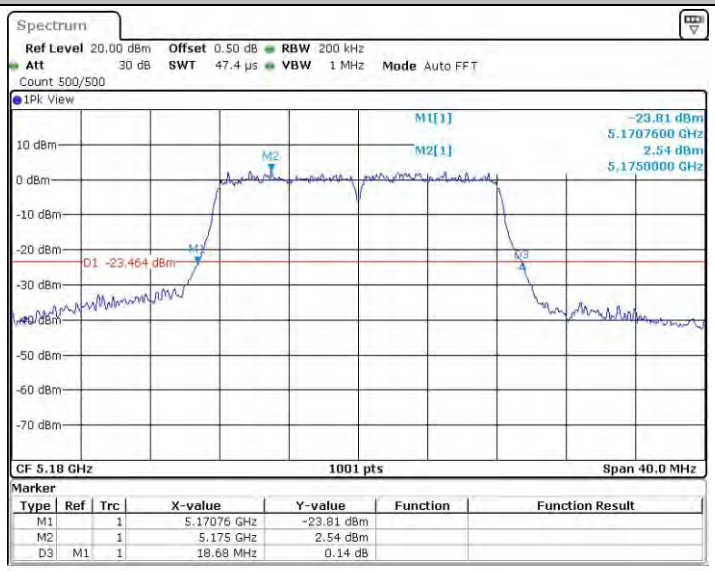
	Ant2	5260	19.240	5250.400	5269.640	---	PASS
	Ant1	5280	19.480	5270.320	5289.800	---	PASS
	Ant2	5280	19.200	5270.400	5289.600	---	PASS
	Ant1	5320	19.240	5310.440	5329.680	---	PASS
	Ant2	5320	19.280	5310.440	5329.720	---	PASS
	Ant1	5500	19.320	5490.400	5509.720	---	PASS
	Ant2	5500	28.880	5486.680	5515.560	---	PASS
	Ant1	5580	19.240	5570.480	5589.720	---	PASS
	Ant2	5580	22.720	5568.920	5591.640	---	PASS
	Ant1	5700	19.280	5690.360	5709.640	---	PASS
	Ant2	5700	28.720	5685.800	5714.520	---	PASS
	Ant1	5745	37.120	5727.280	5764.400	---	PASS
	Ant2	5745	39.440	5725.200	5764.640	---	PASS
	Ant1	5785	31.720	5769.280	5801.000	---	PASS
	Ant2	5785	39.200	5765.000	5804.200	---	PASS
	Ant1	5825	33.920	5808.440	5842.360	---	PASS
	Ant2	5825	38.560	5805.520	5844.080	---	PASS
11AC40MIMO	Ant1	5190	41.600	5169.360	5210.960	---	PASS
	Ant2	5190	40.720	5169.520	5210.240	---	PASS
	Ant1	5230	41.680	5209.280	5250.960	---	PASS
	Ant2	5230	40.720	5209.600	5250.320	---	PASS
	Ant1	5270	41.680	5249.360	5291.040	---	PASS
	Ant2	5270	40.560	5249.760	5290.320	---	PASS
	Ant1	5310	41.760	5289.280	5331.040	---	PASS
	Ant2	5310	40.640	5289.680	5330.320	---	PASS
	Ant1	5510	49.840	5489.440	5539.280	---	PASS
	Ant2	5510	61.200	5482.160	5543.360	---	PASS
	Ant1	5550	45.840	5529.440	5575.280	---	PASS
	Ant2	5550	61.040	5522.320	5583.360	---	PASS
	Ant1	5670	45.760	5649.440	5695.200	---	PASS
	Ant2	5670	61.280	5641.680	5702.960	---	PASS
	Ant1	5755	73.920	5719.720	5793.640	---	PASS
	Ant2	5755	77.360	5716.040	5793.400	---	PASS
	Ant1	5795	72.640	5760.360	5833.000	---	PASS
	Ant2	5795	74.640	5759.400	5834.040	---	PASS
11AC80MIMO	Ant1	5210	81.600	5169.360	5250.960	---	PASS
	Ant2	5210	81.280	5169.360	5250.640	---	PASS
	Ant1	5290	81.280	5249.520	5330.800	---	PASS
	Ant2	5290	81.280	5249.360	5330.640	---	PASS
	Ant1	5530	90.560	5489.520	5580.080	---	PASS
	Ant2	5530	134.400	5471.920	5606.320	---	PASS
	Ant1	5610	81.600	5569.520	5651.120	---	PASS
	Ant2	5610	133.440	5544.080	5677.520	---	PASS

	Ant1	5775	145.120	5709.720	5854.840	---	PASS
	Ant2	5775	152.320	5701.400	5853.720	---	PASS

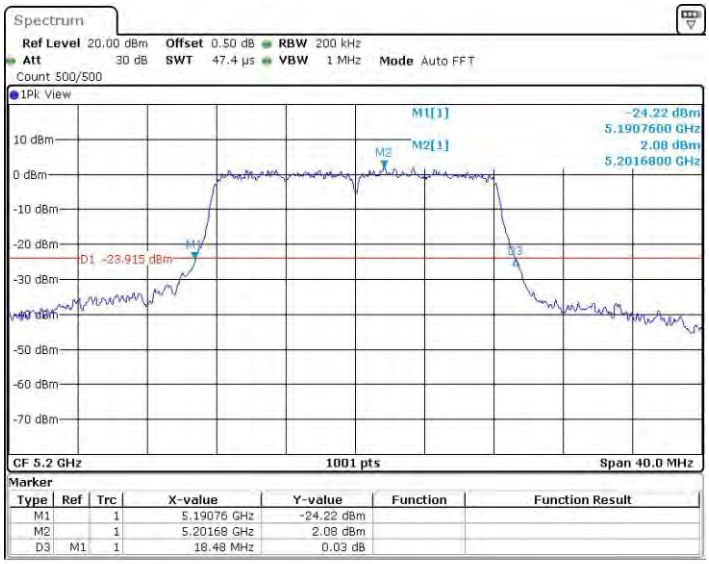
Test Graphs



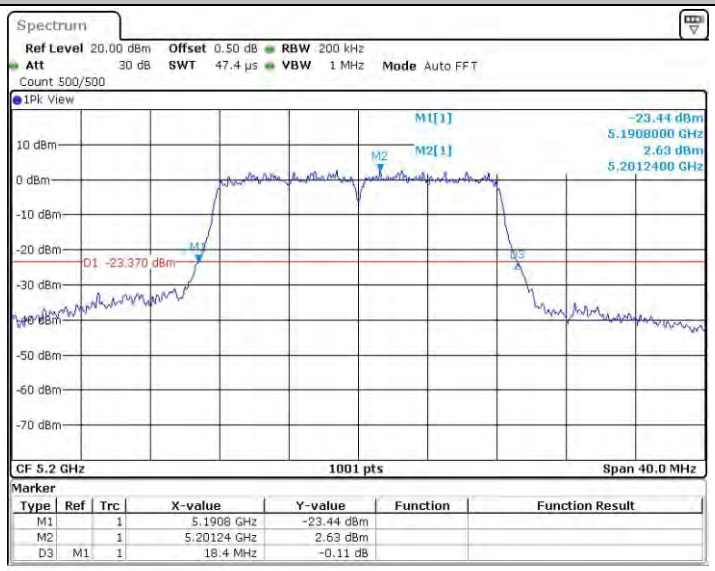
11A_Ant1_5180



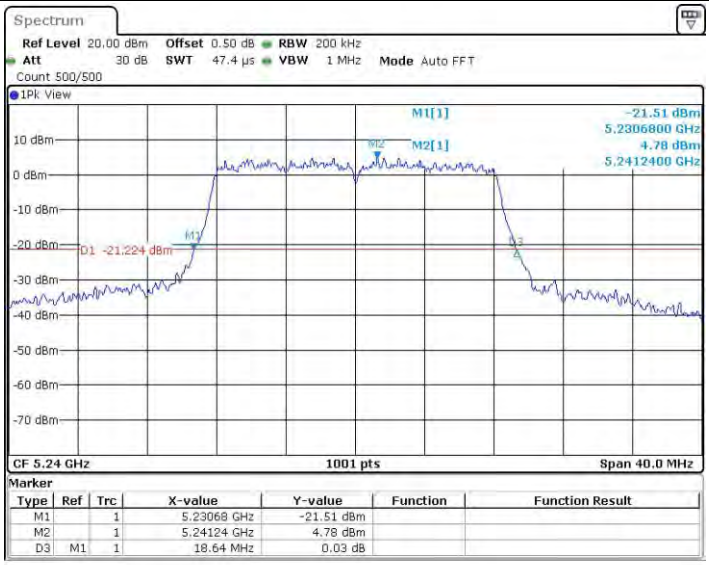
11A_Ant2_5180



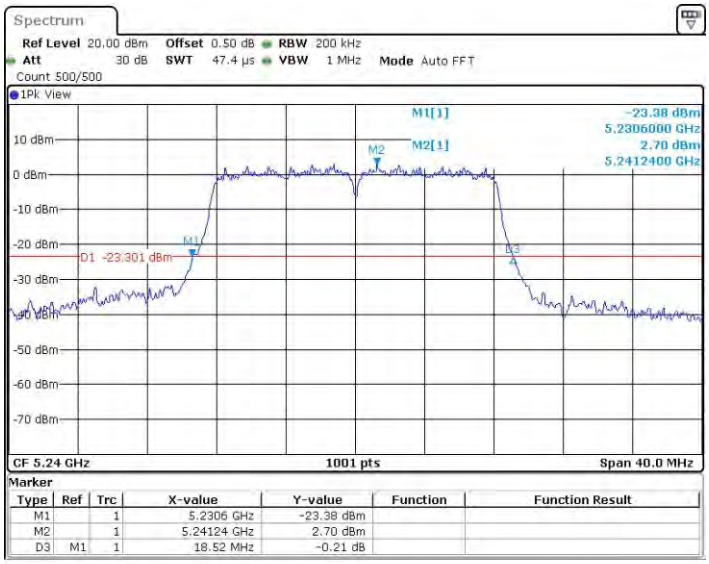
11A_Ant1_5200



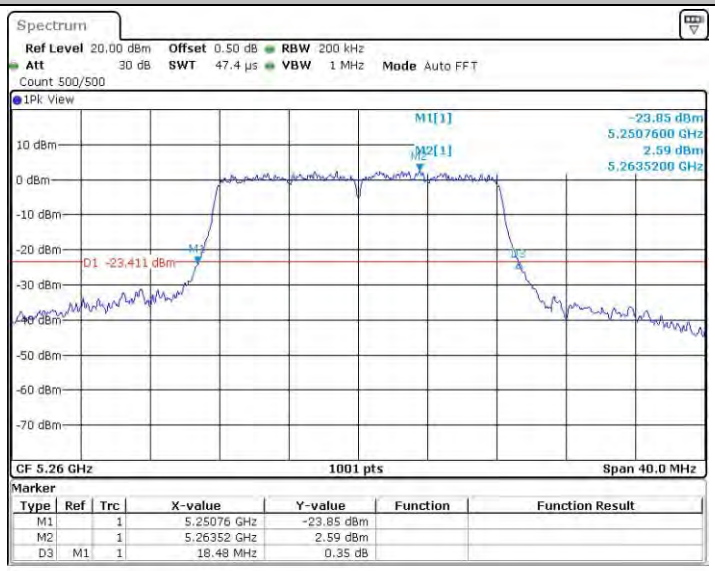
11A_Ant2_5200



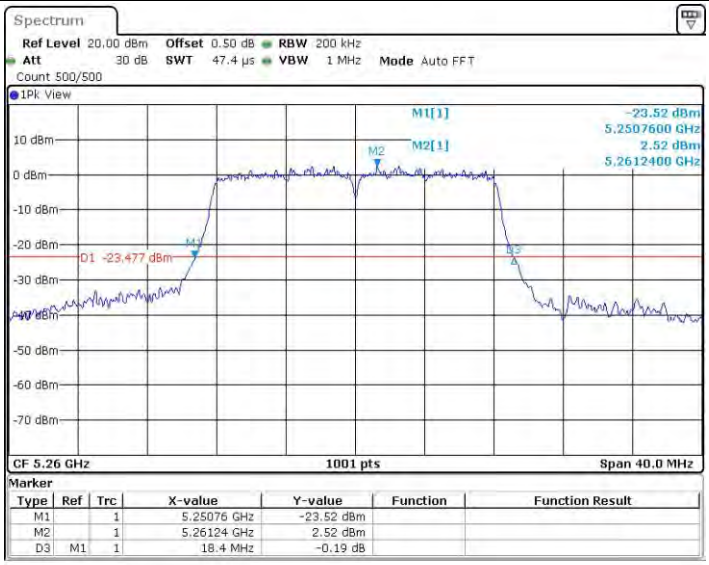
11A_Ant1_5240



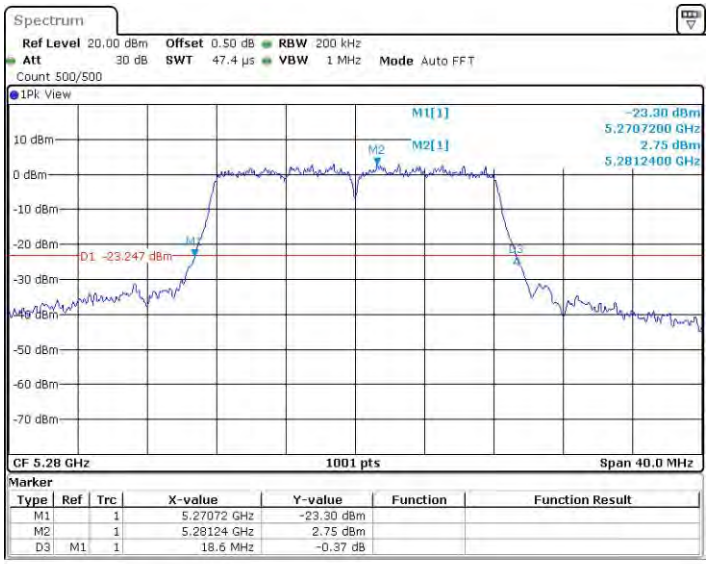
11A_Ant2_5240



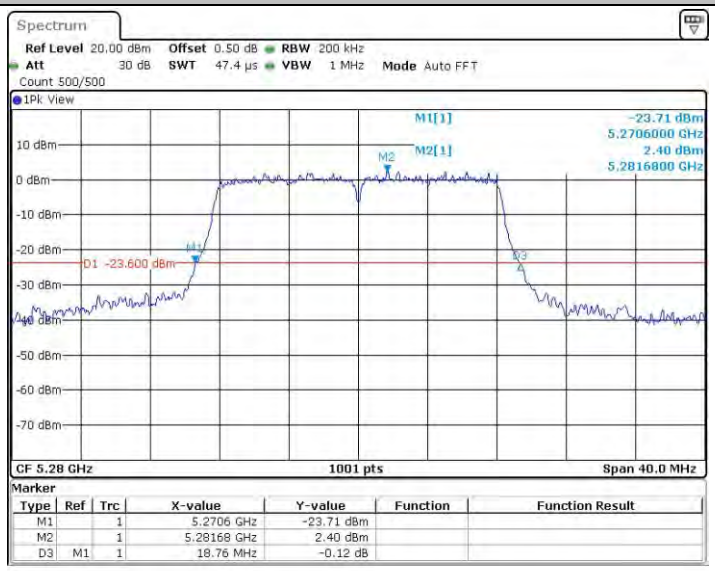
11A_Ant1_5260



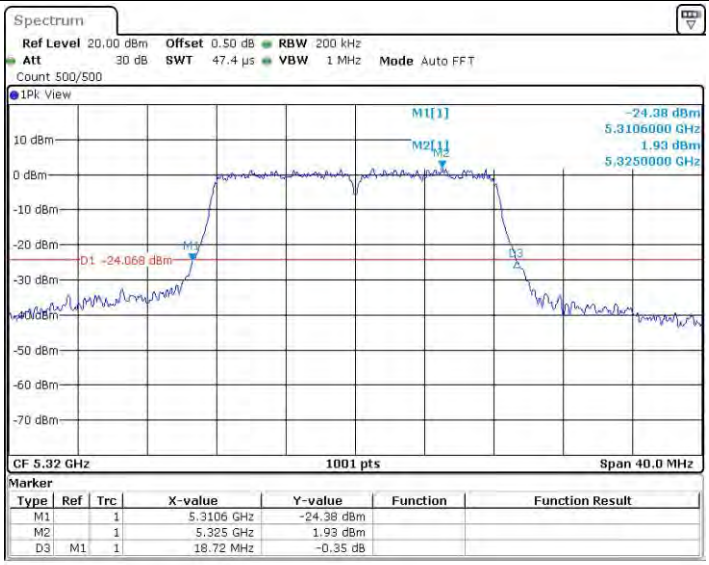
11A_Ant2_5260



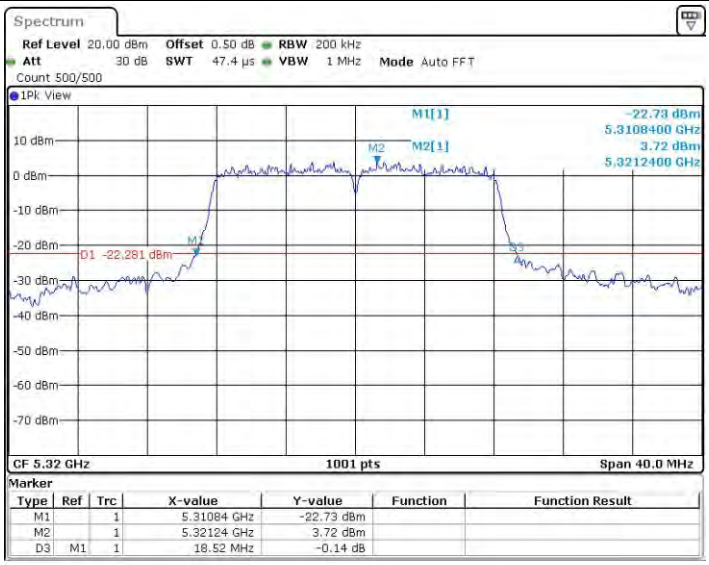
11A_Ant1_5280



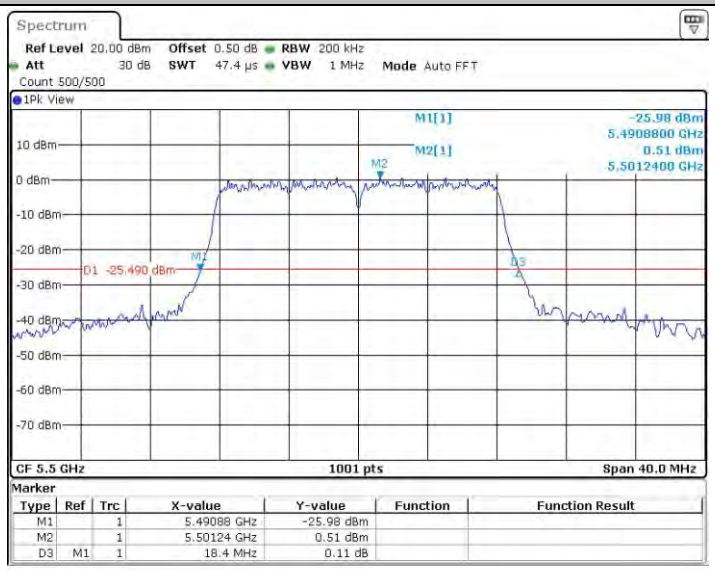
11A_Ant2_5280



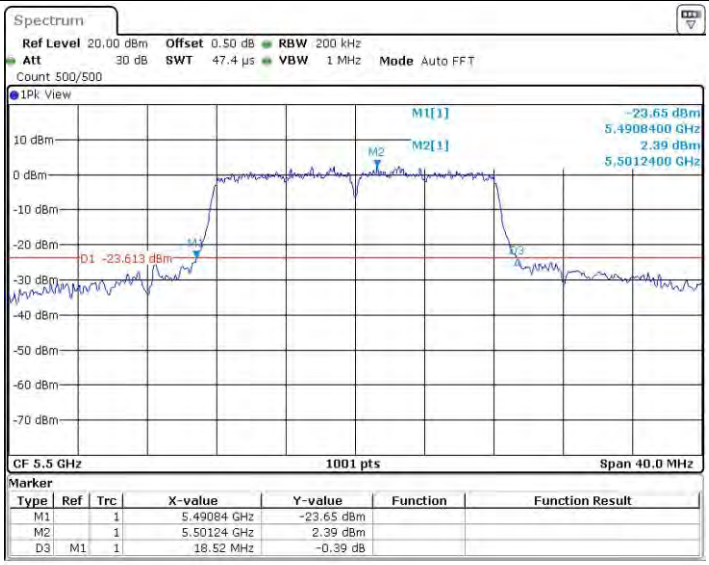
11A_Ant1_5320



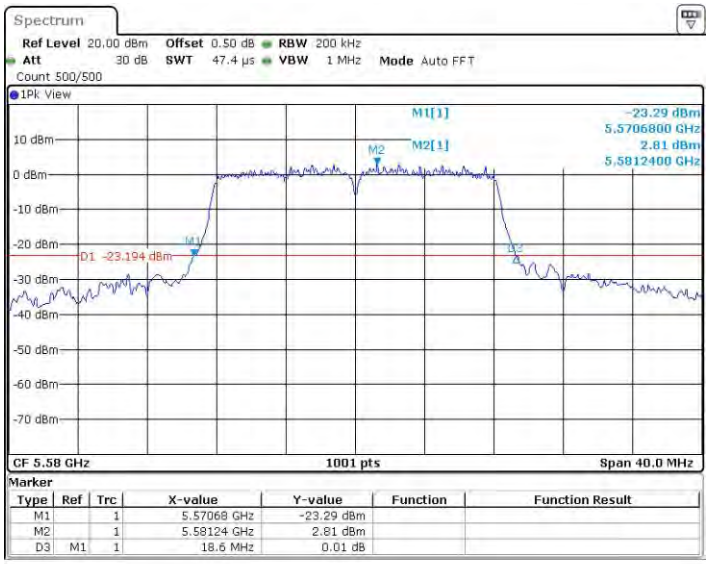
11A_Ant2_5320



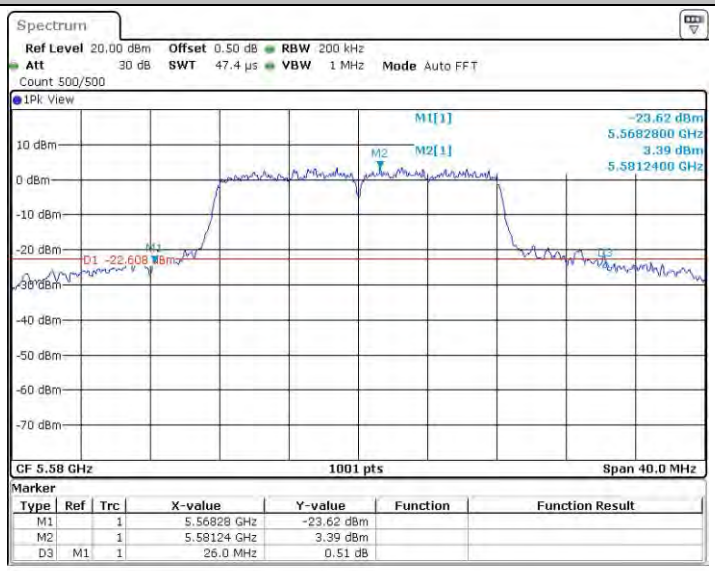
11A_Ant1_5500



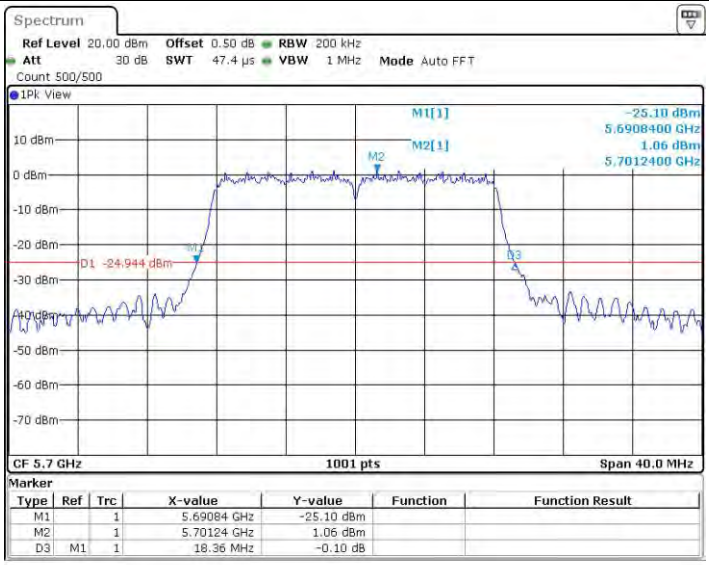
11A_Ant2_5500



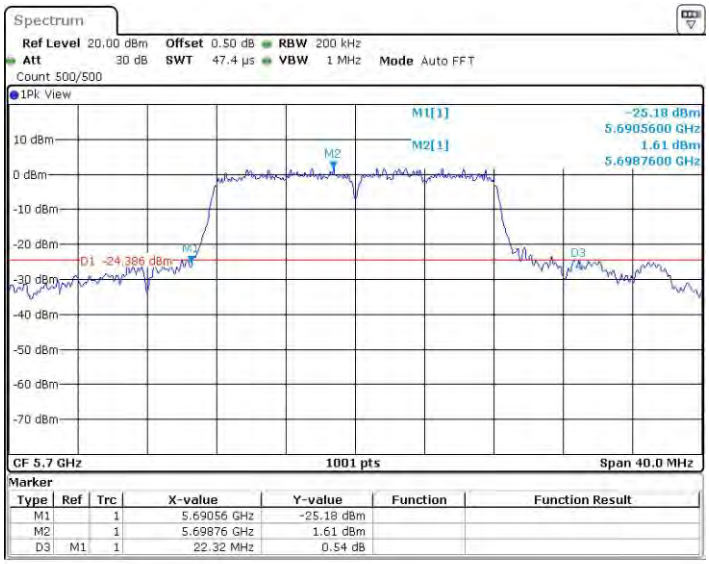
11A_Ant1_5580



11A_Ant2_5580



11A_Ant1_5700



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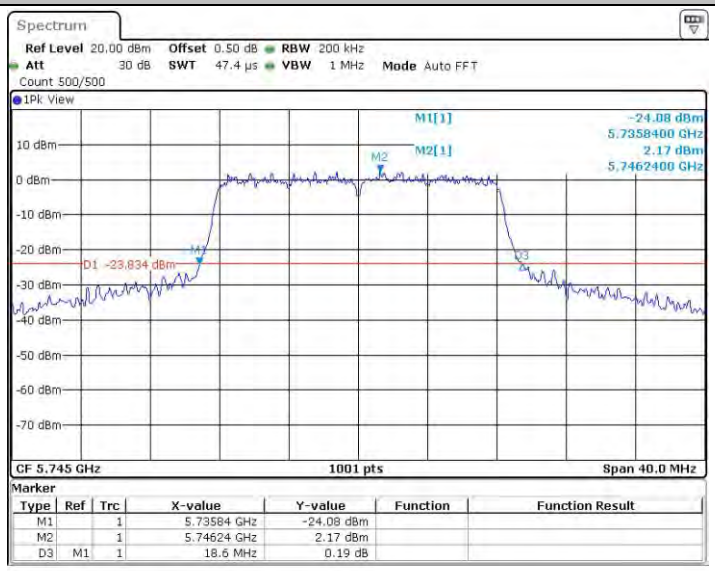
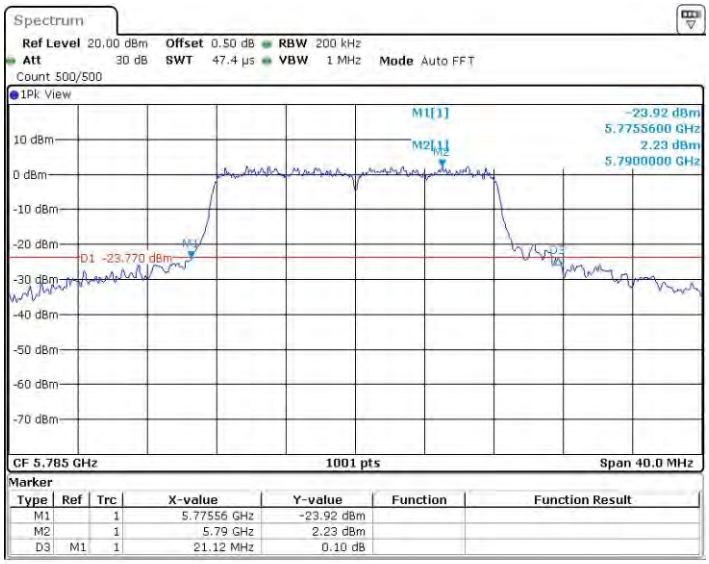
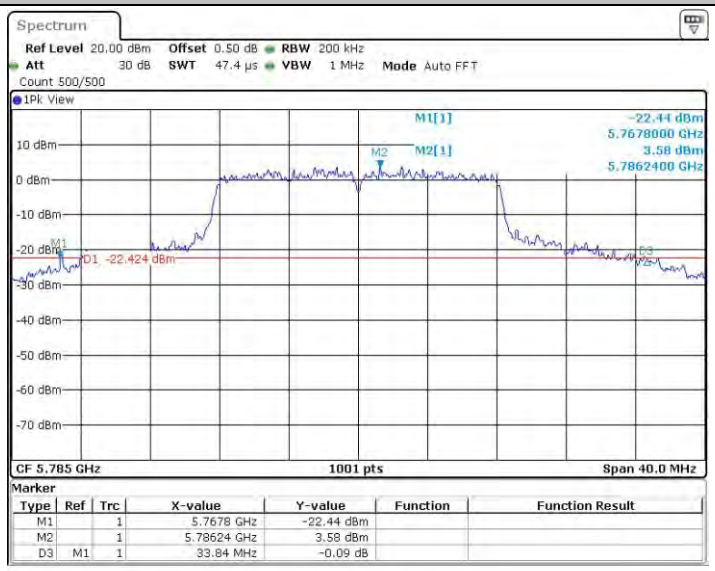


11A_Ant1_5745

11A_Ant2_5745



11A_Ant1_5785



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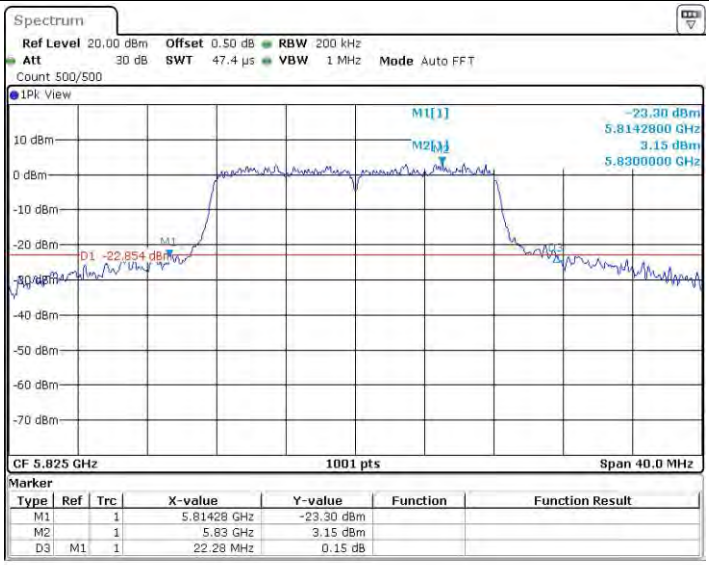

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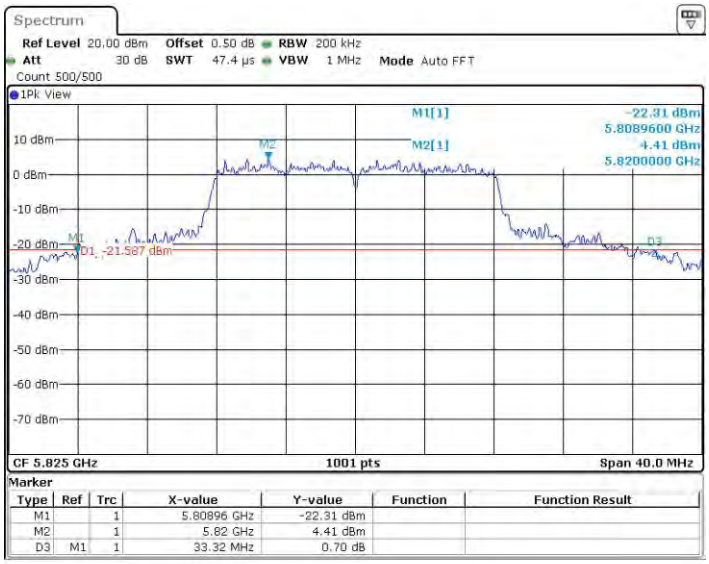

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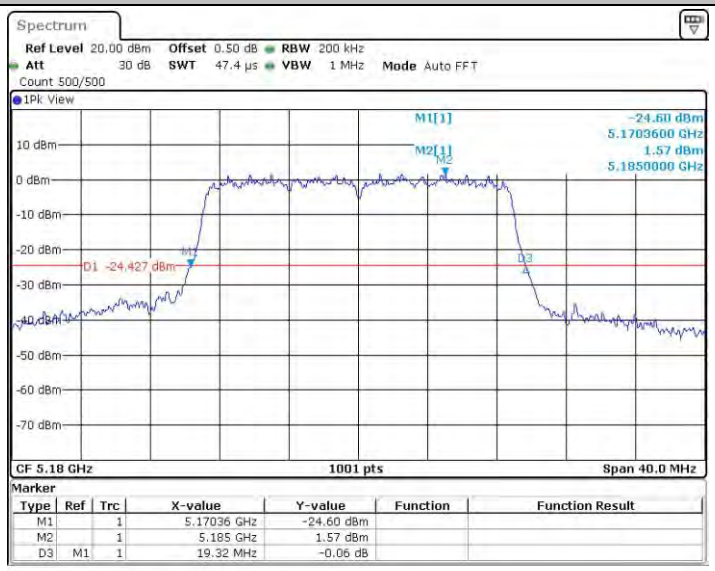
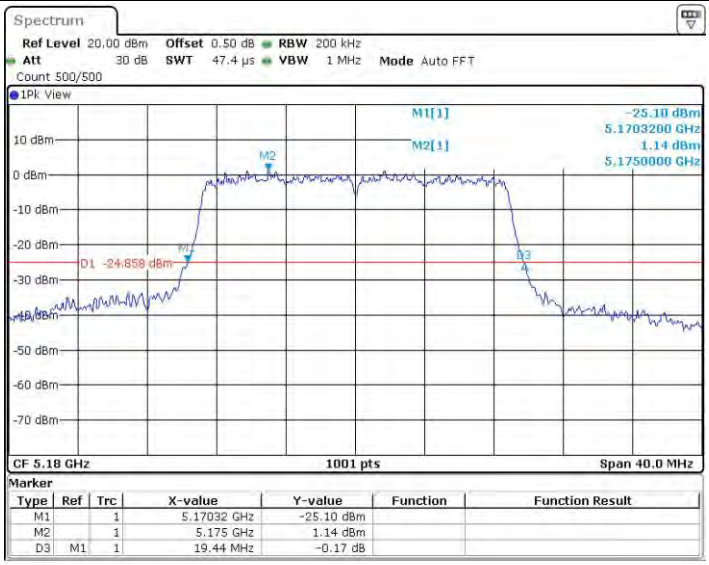


11N20SISO_Ant1_5180



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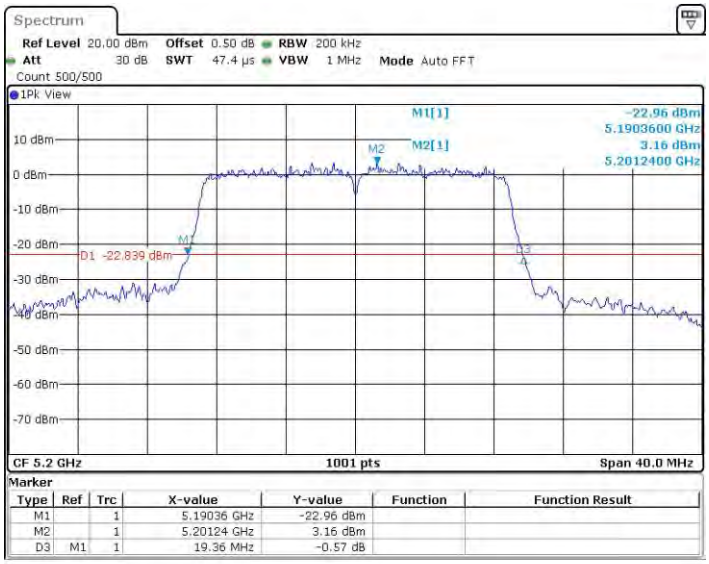
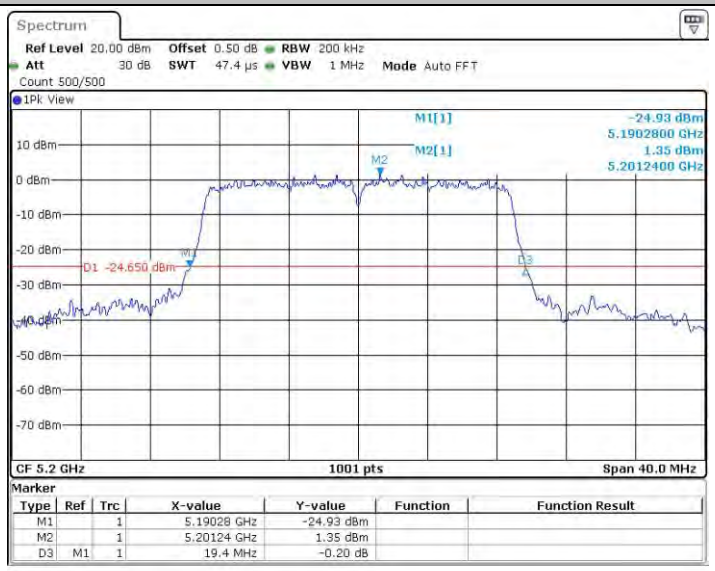


11N20SISO_Ant1_5200



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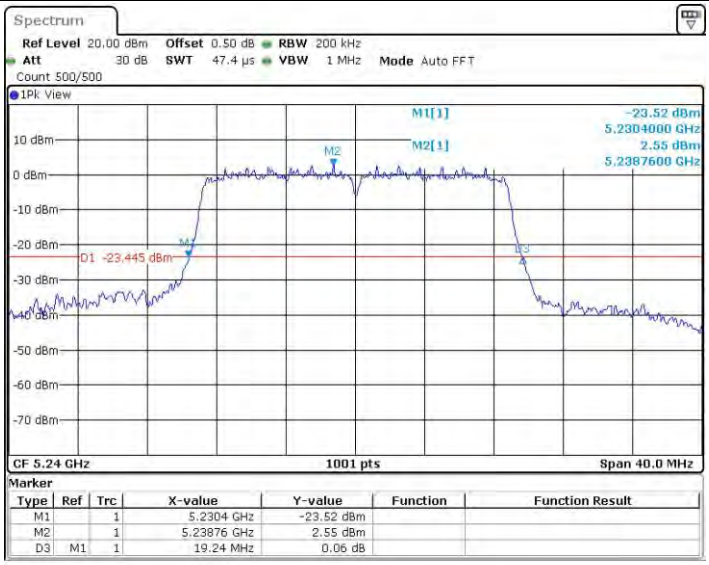
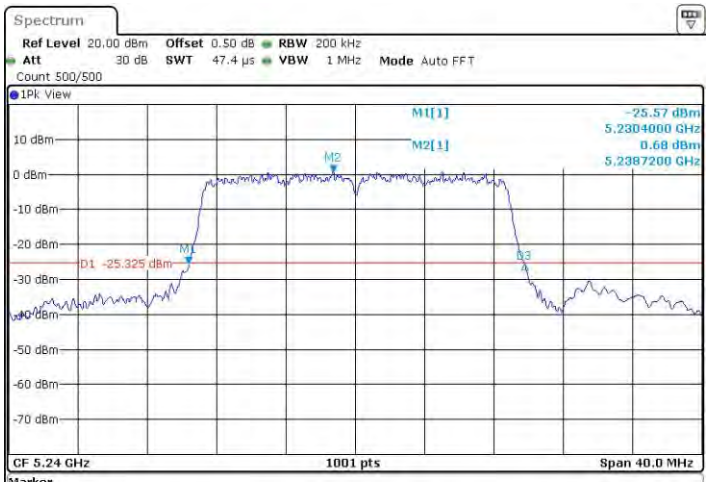


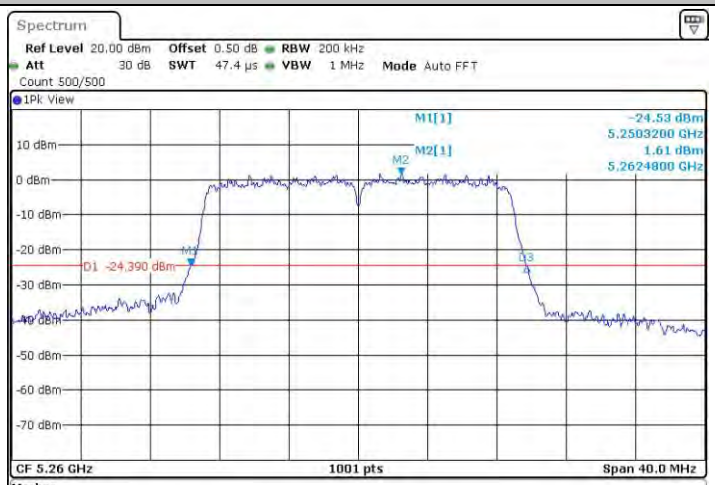
11N20SISO_Ant1_5240



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2304 GHz	-25.57 dBm		
M2		1	5.23872 GHz	0.68 dBm		
D3	M1	1	19.36 MHz	0.07 dB		

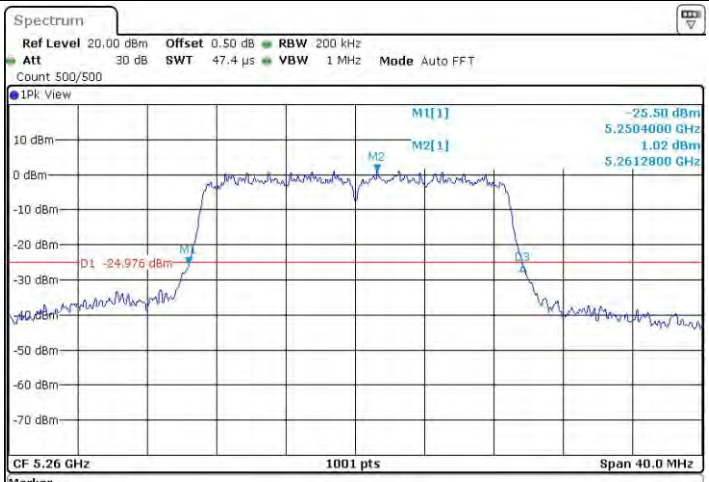
11N20SISO_Ant2_5240



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.25032 GHz	-24.53 dBm		
M2		1	5.26248 GHz	1.61 dBm		
D3	M1	1	19.4 MHz	0.08 dB		

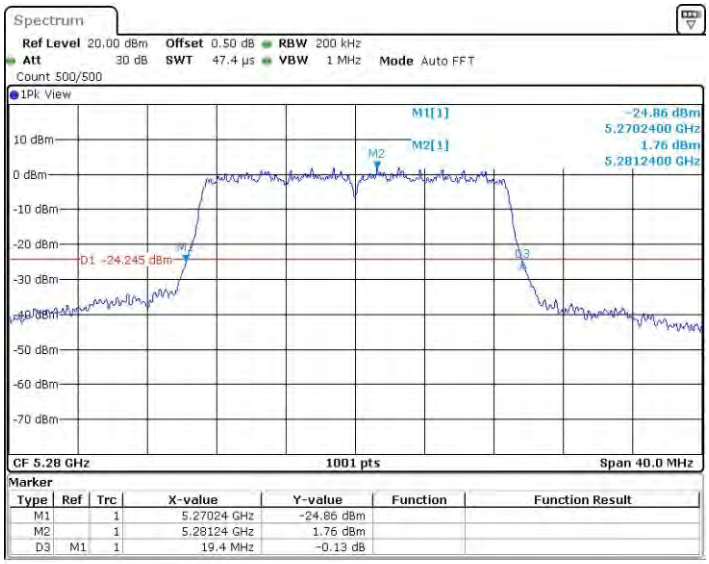
11N20SISO_Ant1_5260



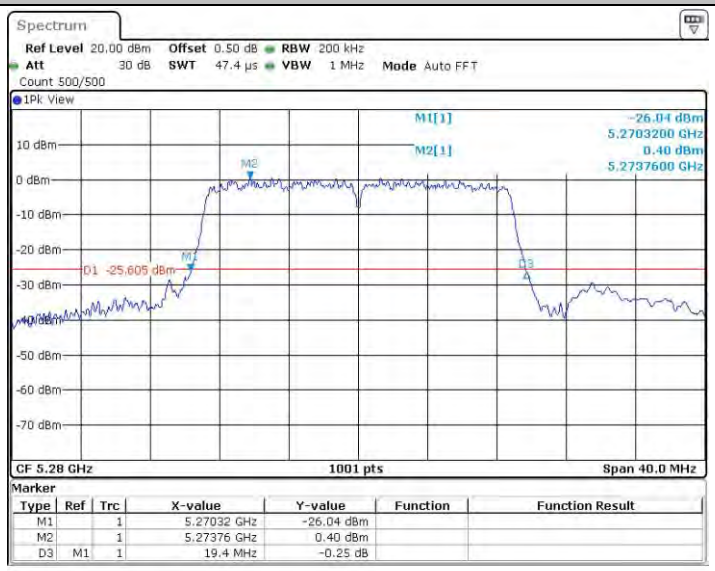
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2504 GHz	-25.50 dBm		
M2		1	5.26128 GHz	1.02 dBm		
D3	M1	1	19.28 MHz	-0.28 dB		

11N20SISO_Ant2_5260



11N20SISO_Ant1_5280



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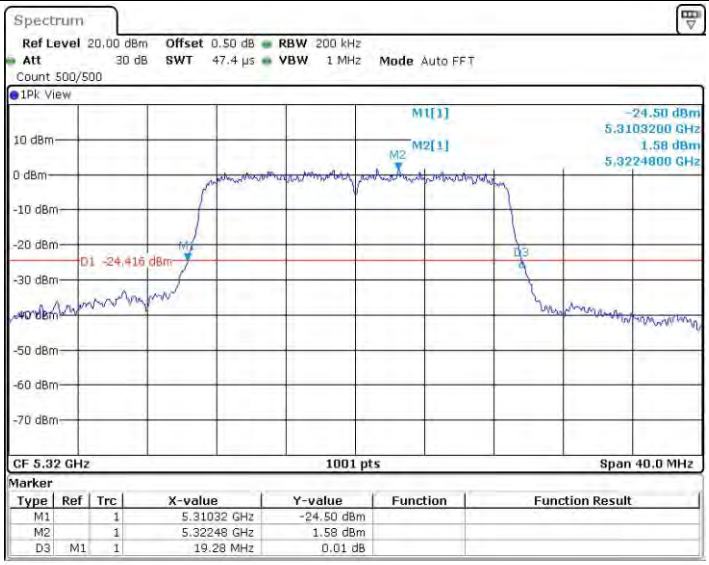

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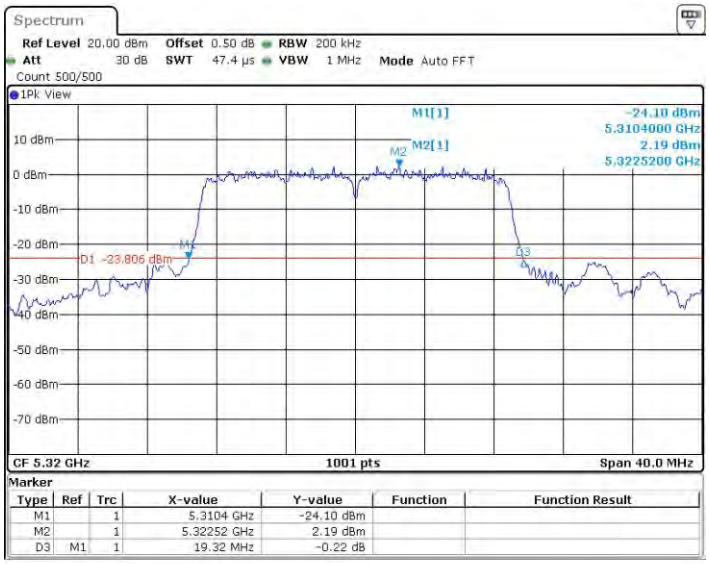

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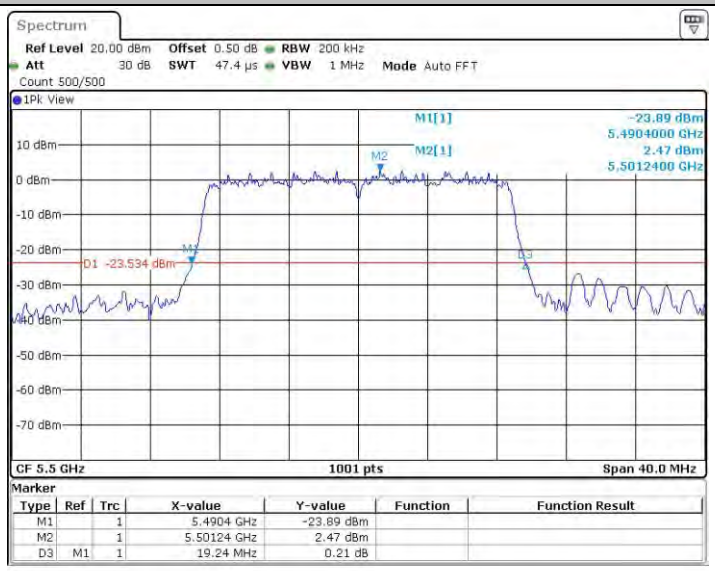

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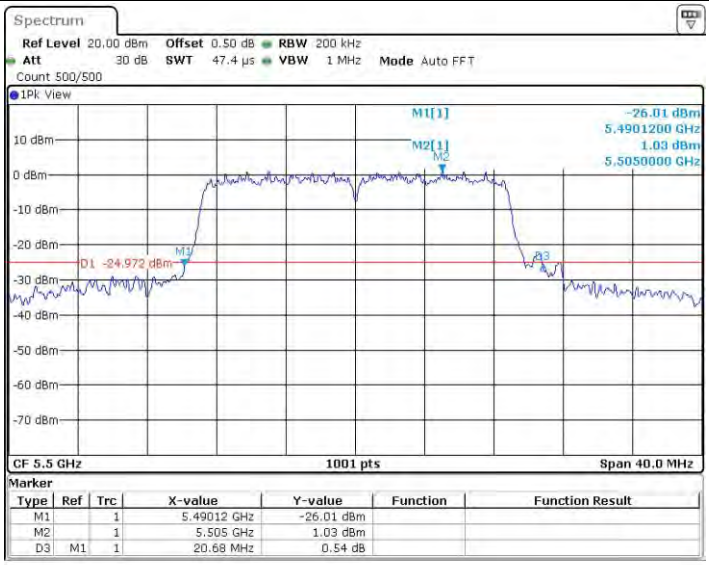

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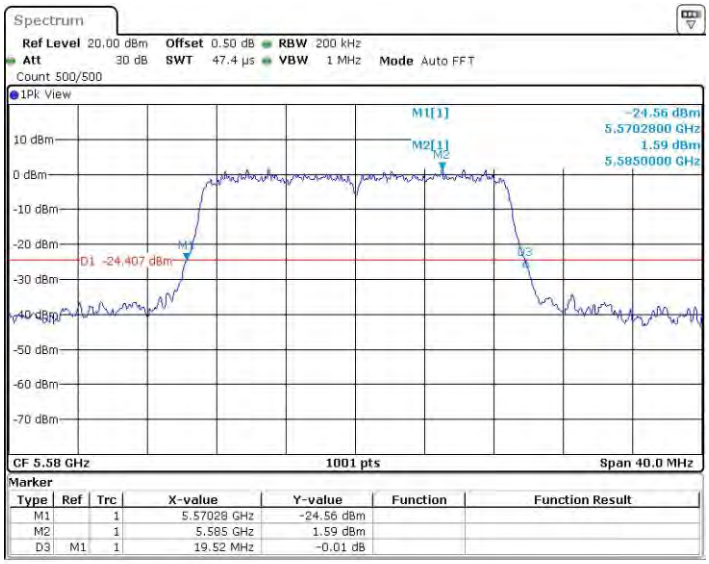

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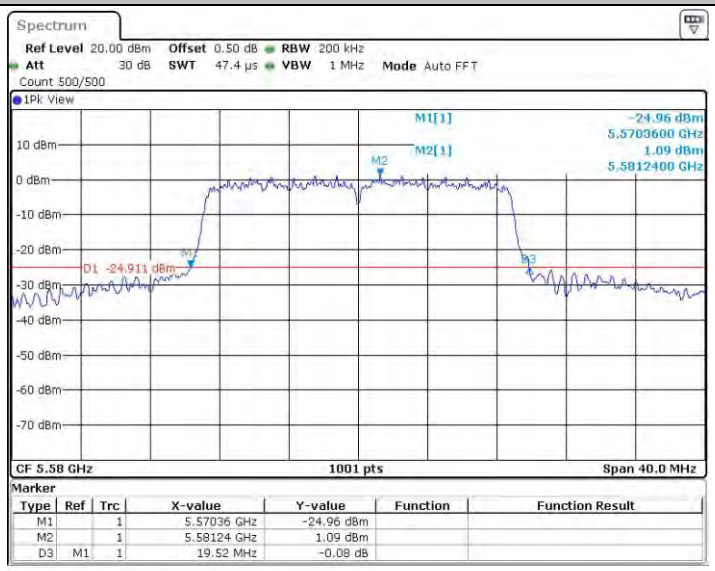

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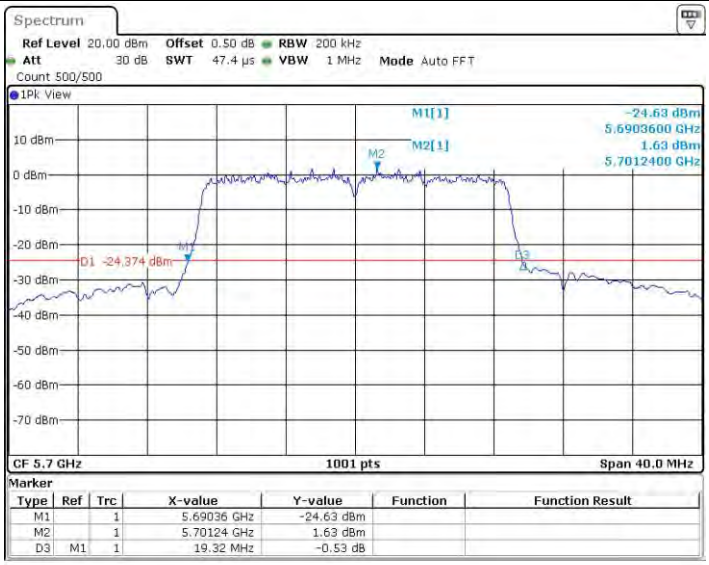

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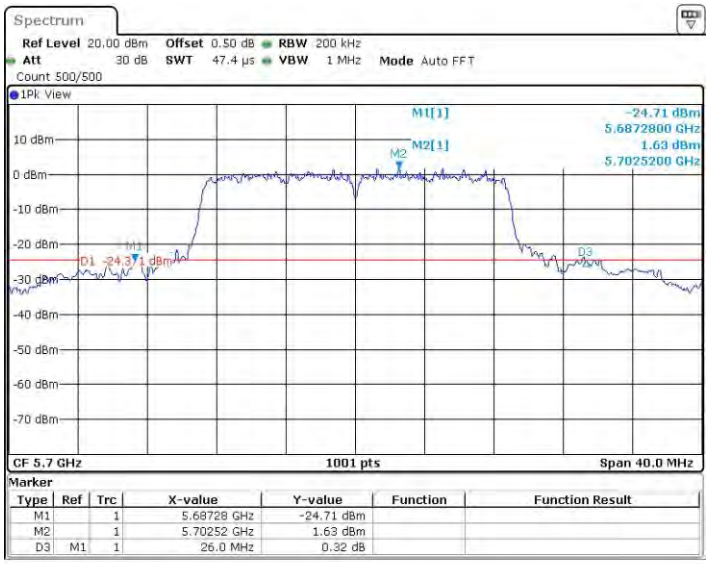

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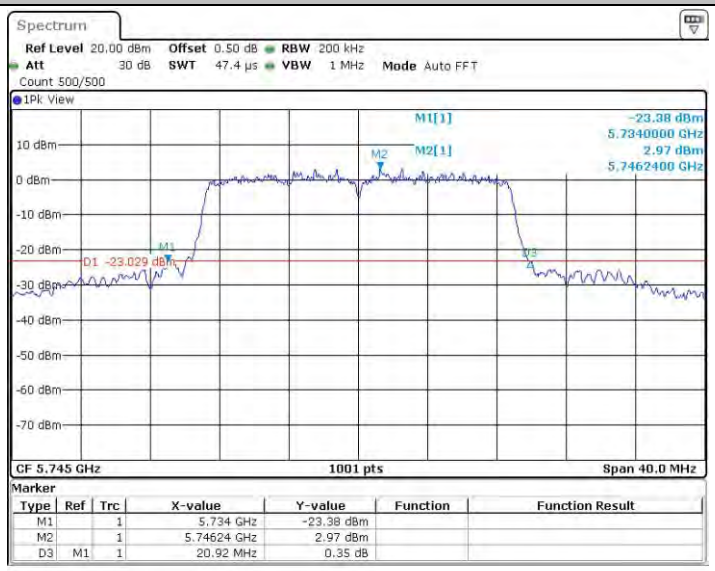

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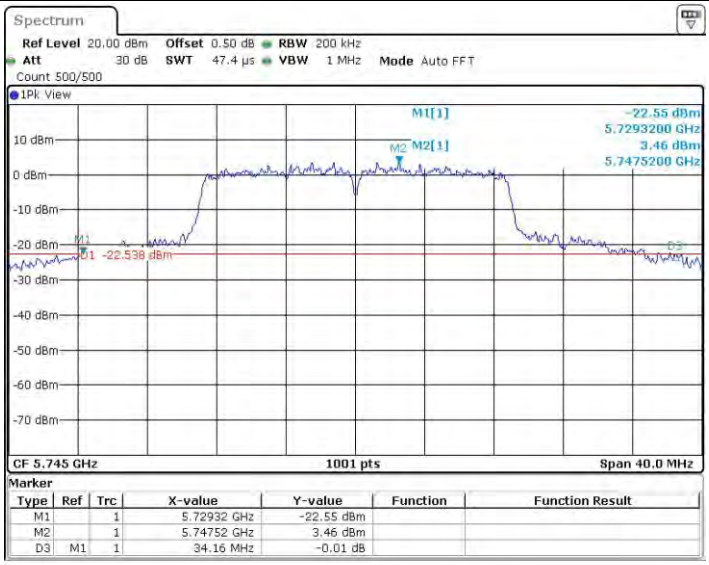

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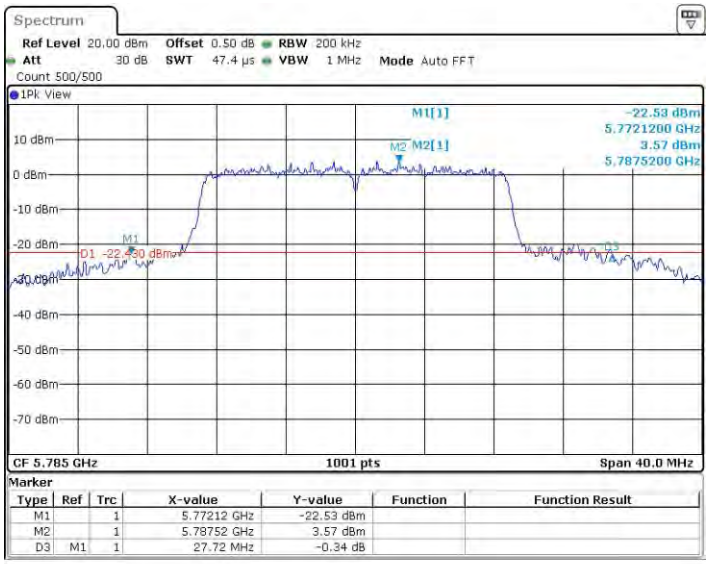

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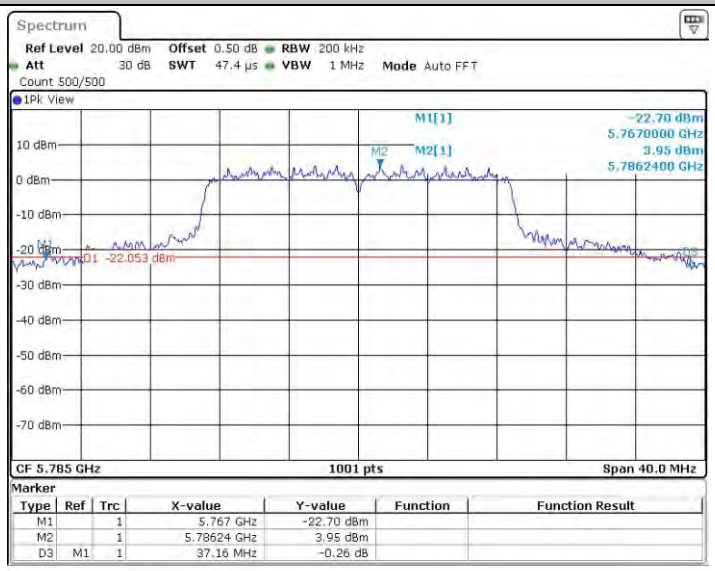

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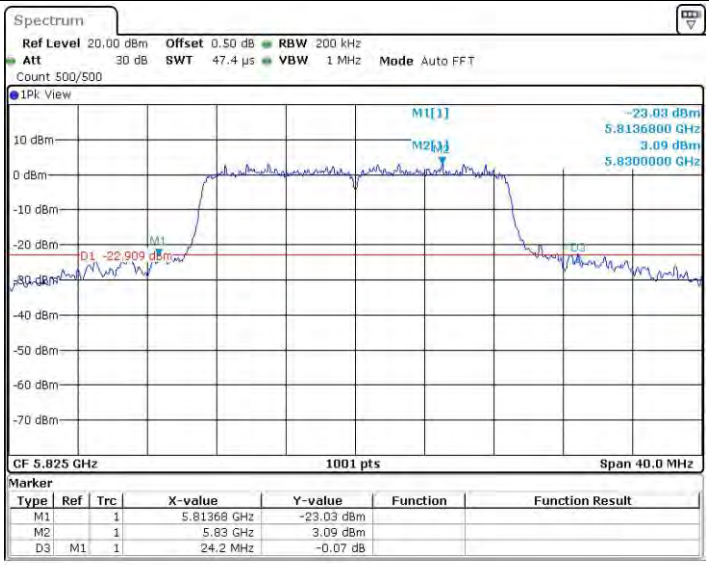

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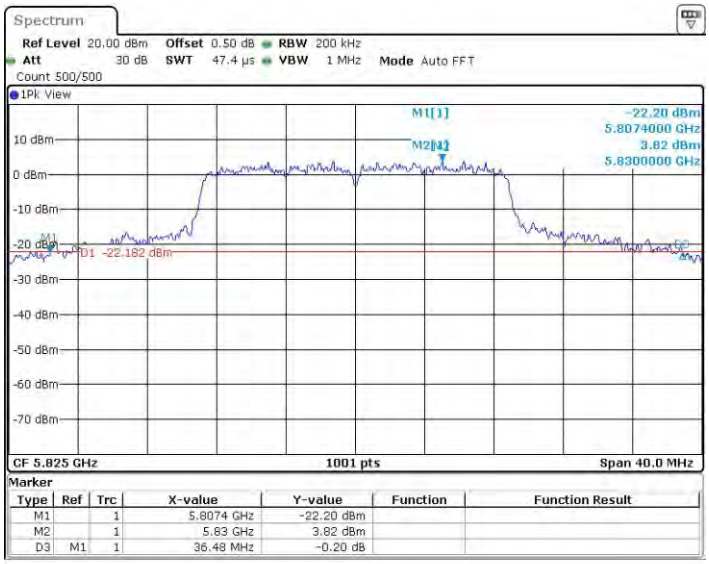

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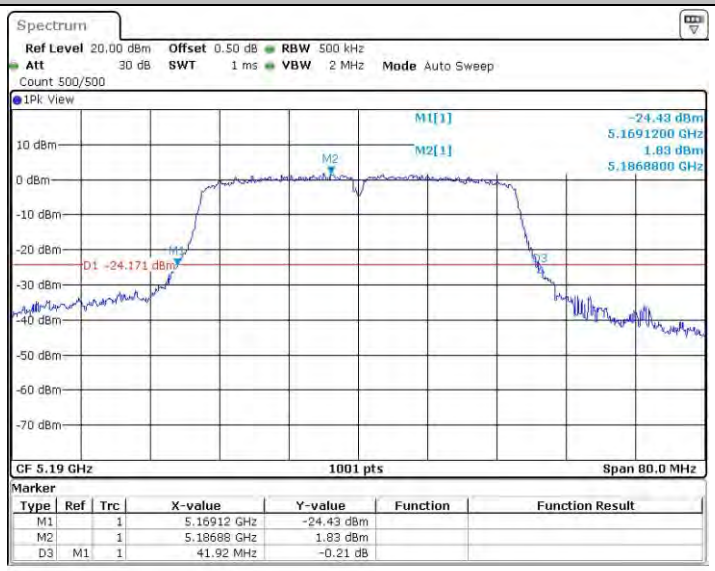

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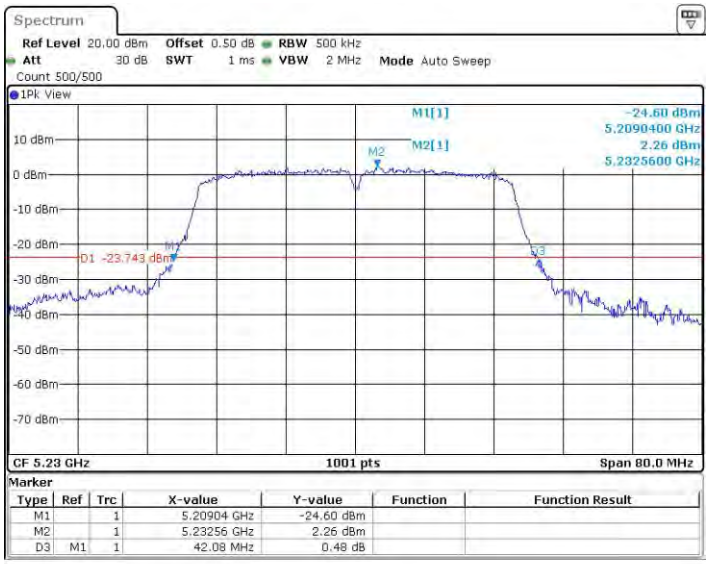
11N40SISO_Ant2_5190



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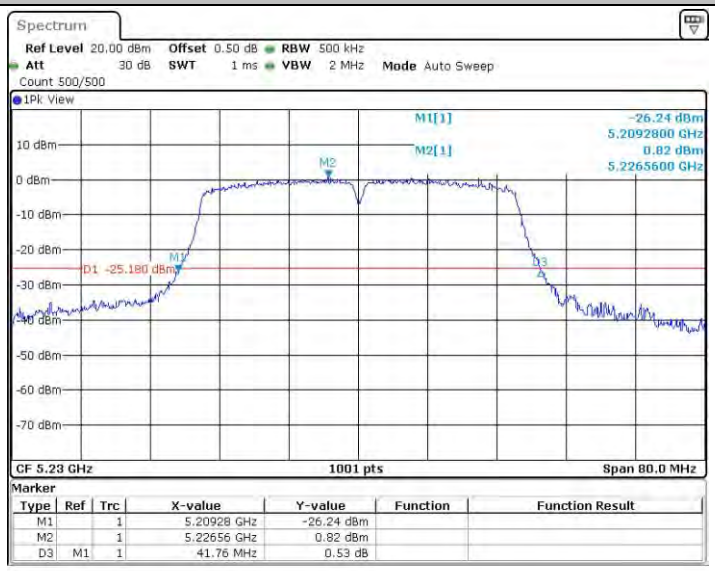

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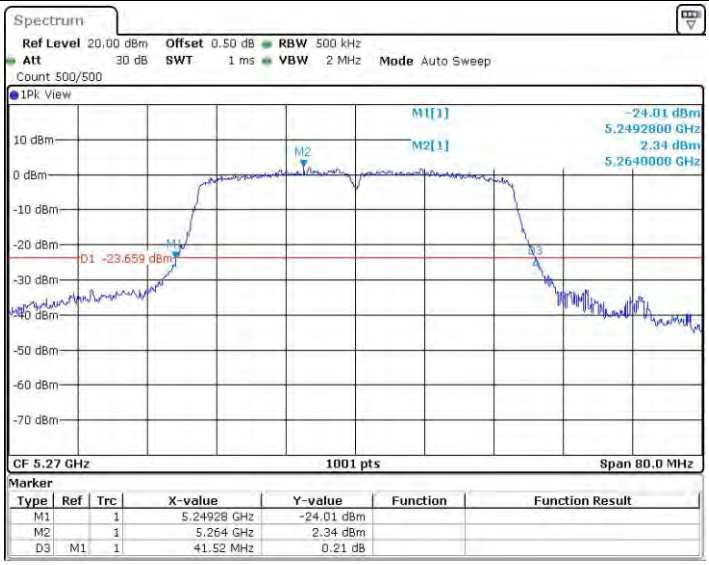

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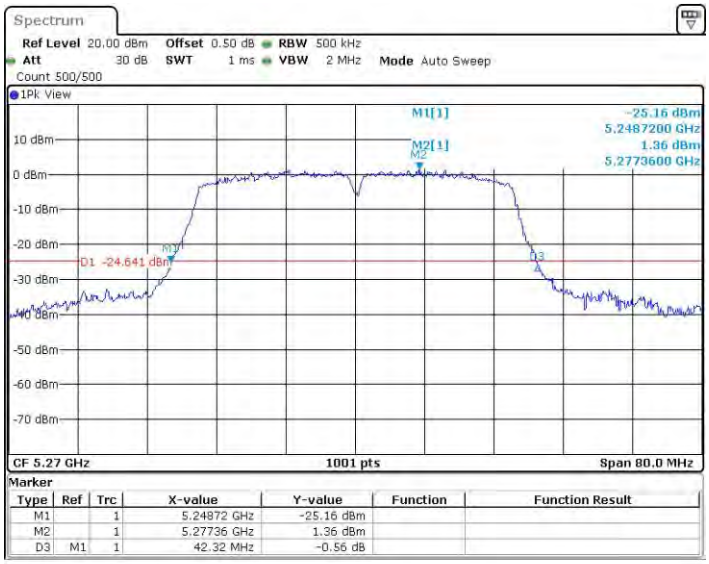

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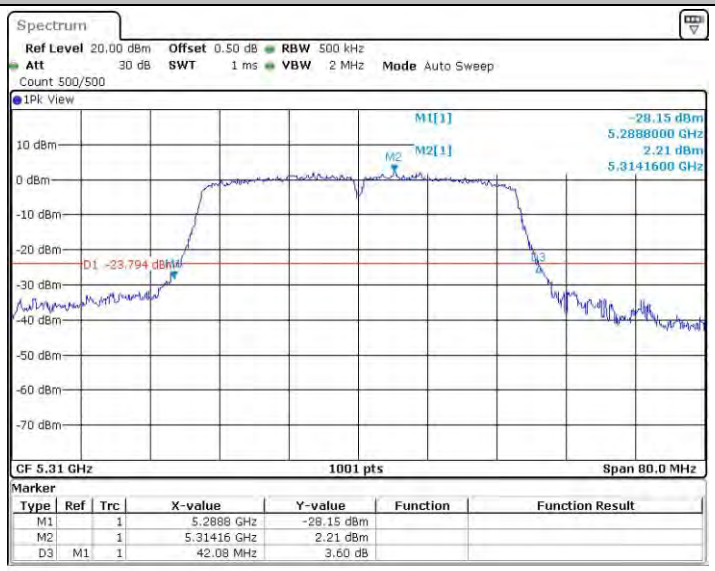

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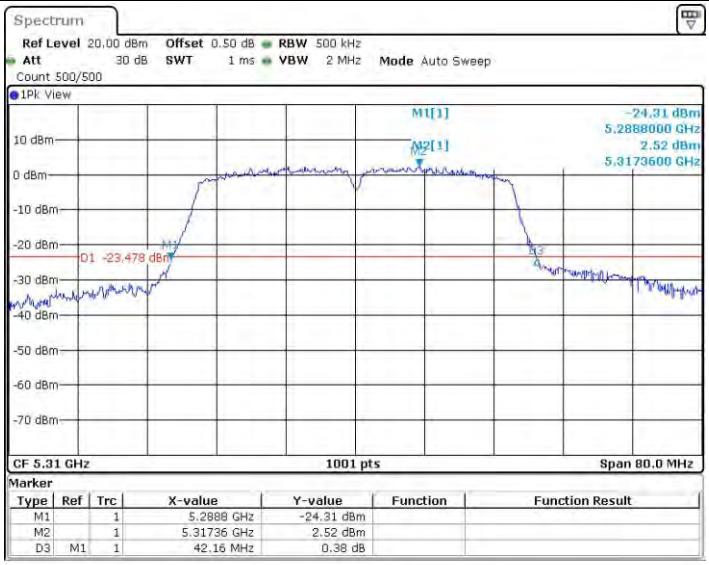

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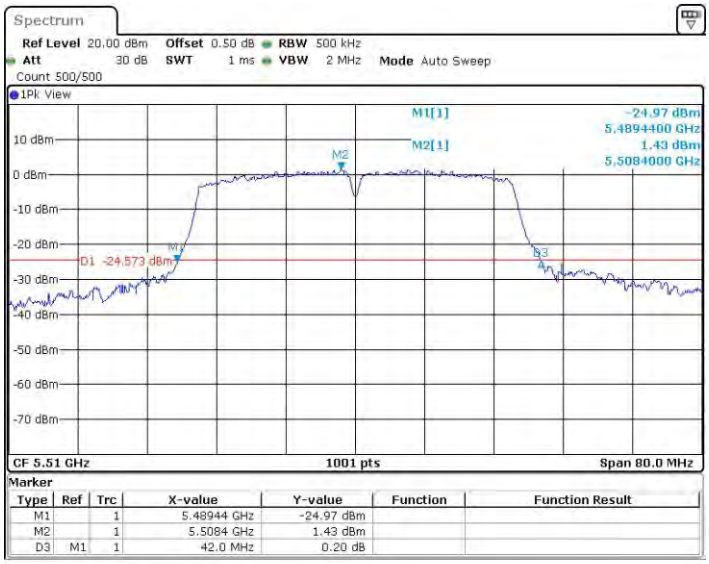

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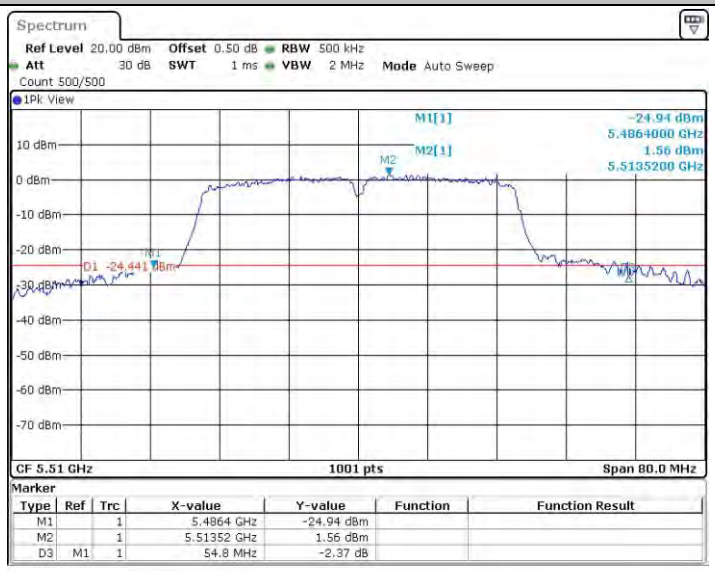

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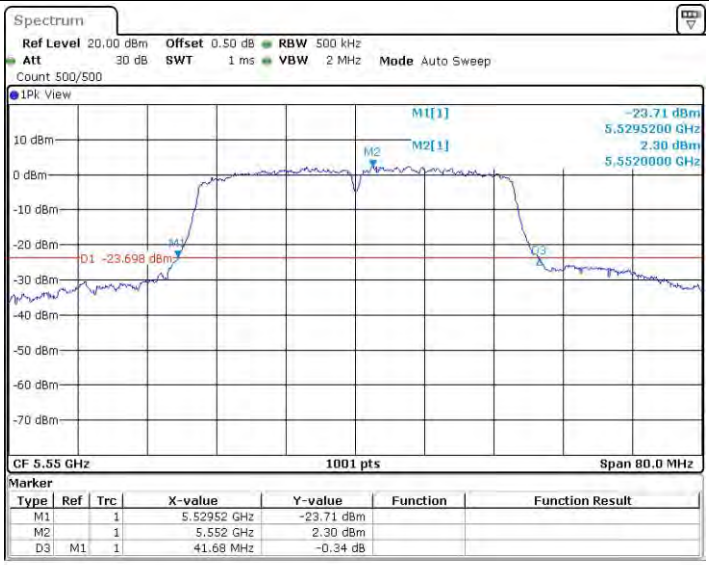

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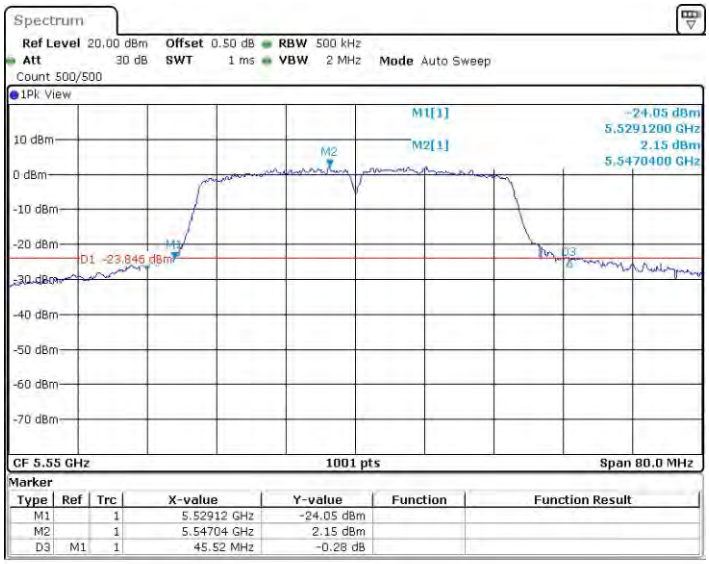

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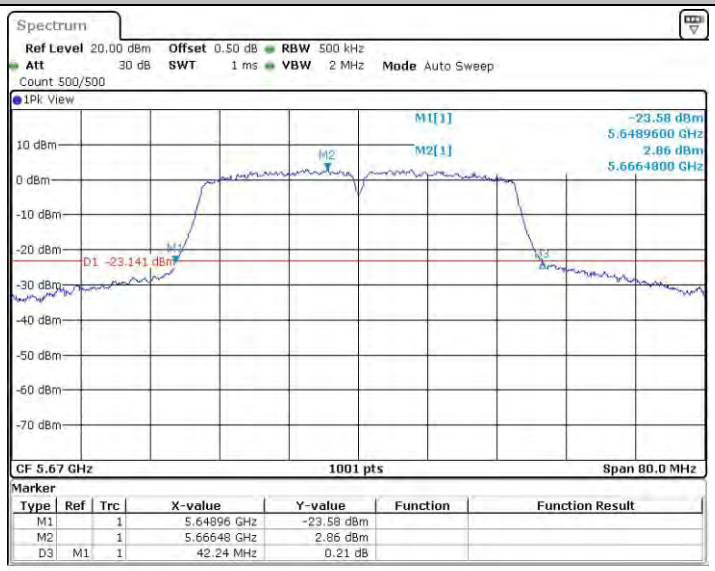

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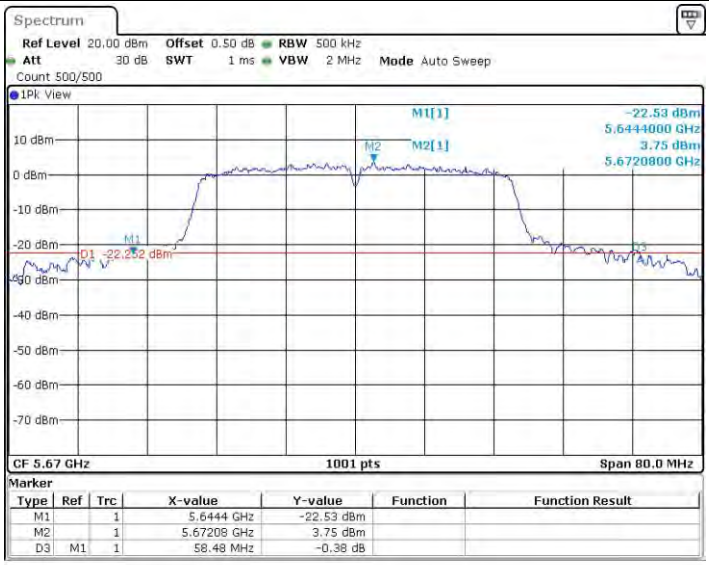

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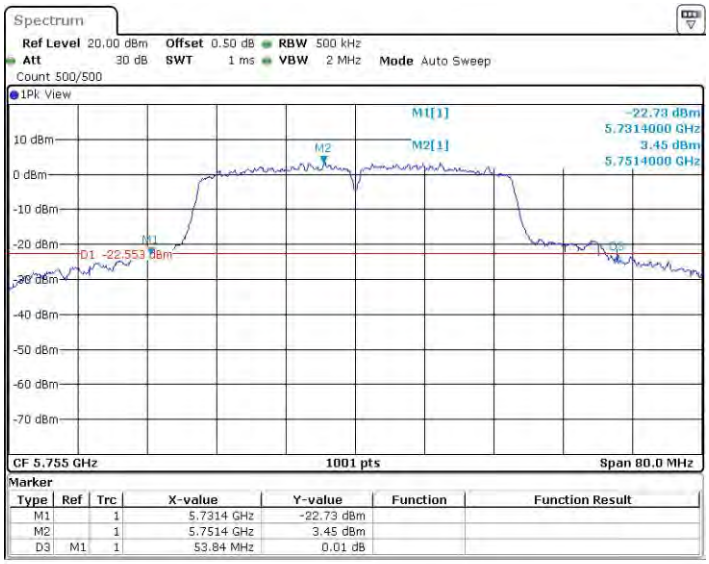

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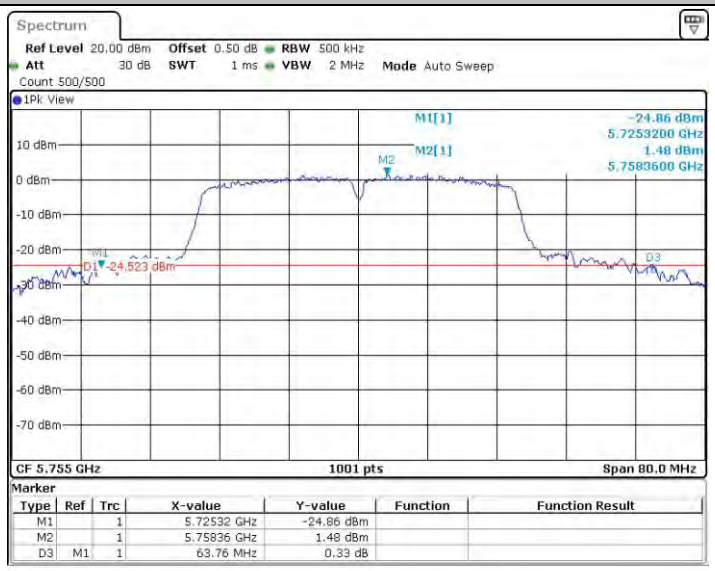

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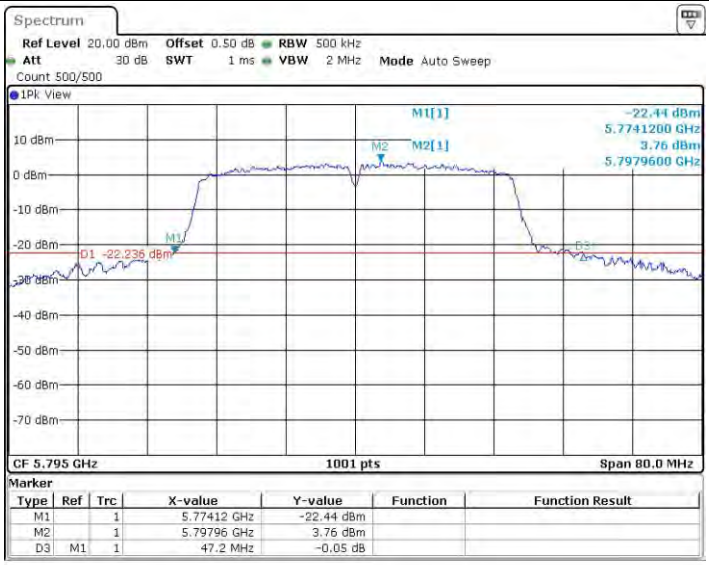

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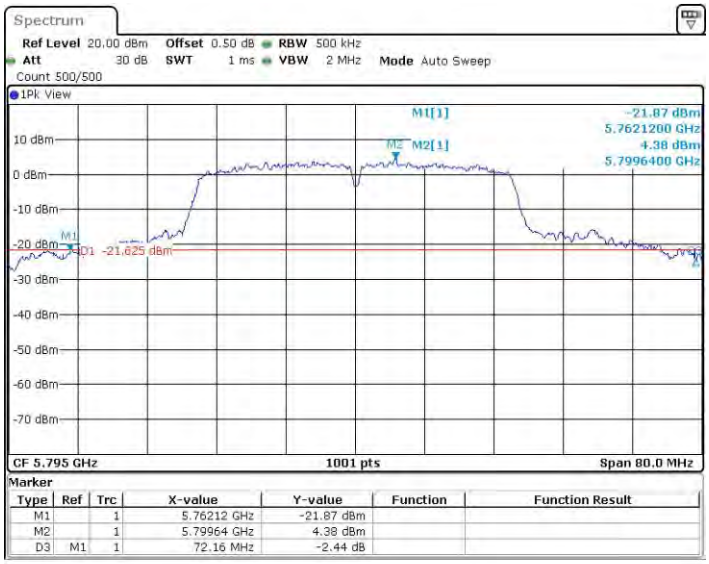

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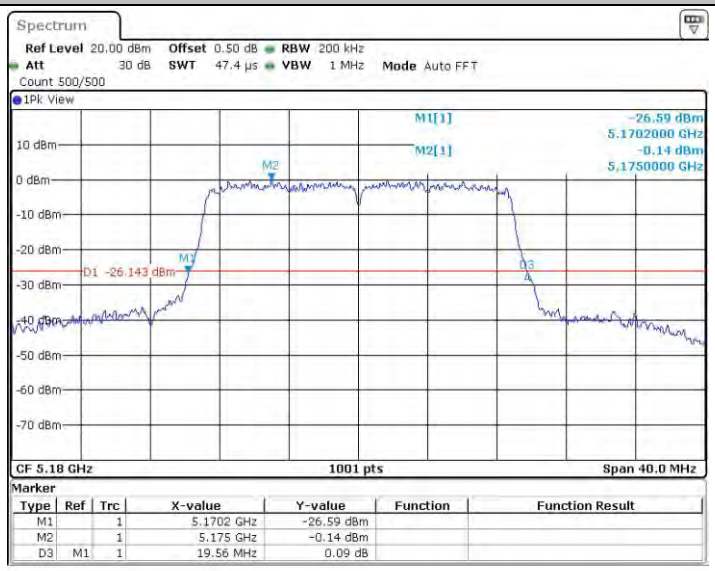

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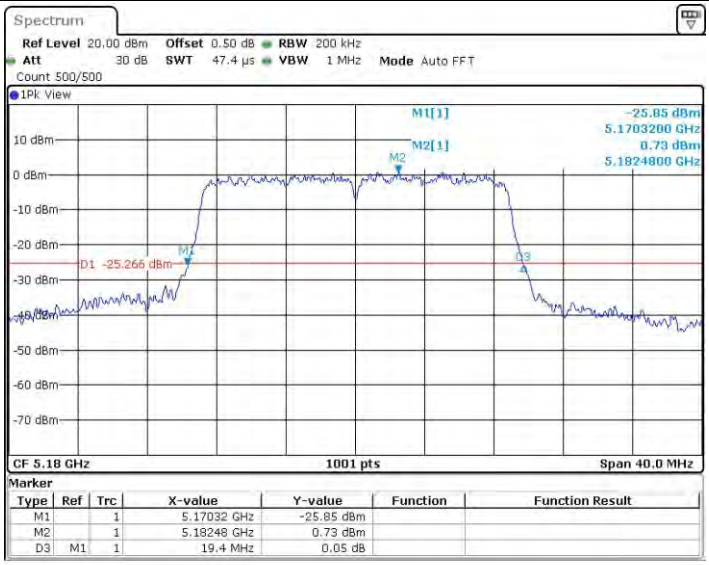

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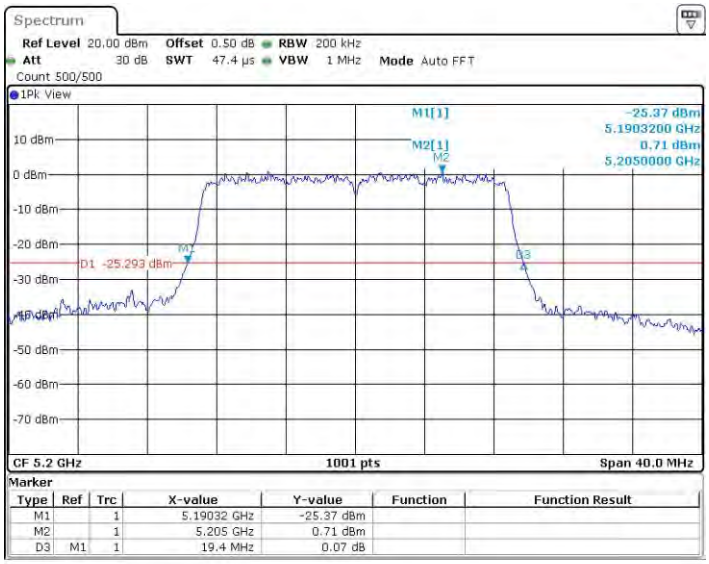
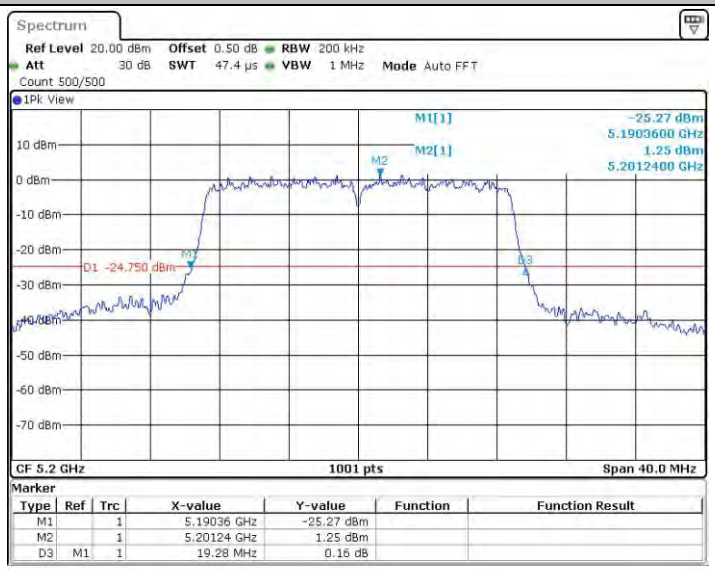


11AC20SISO_Ant1_5200



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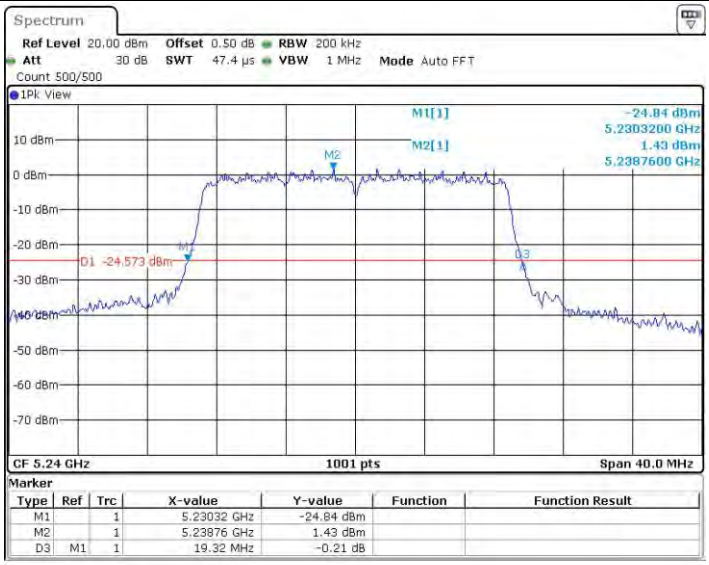

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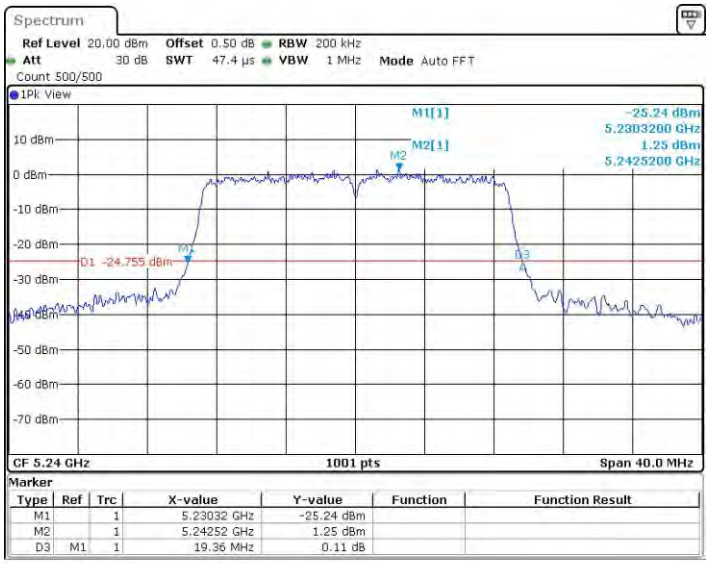

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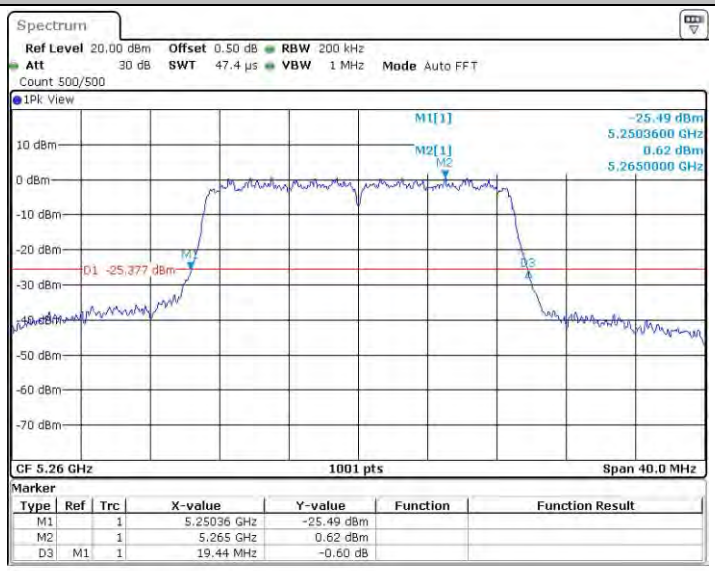

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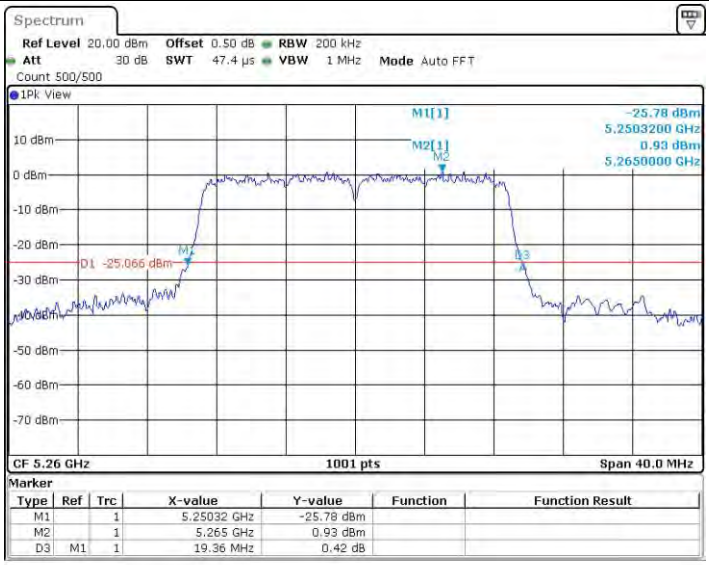

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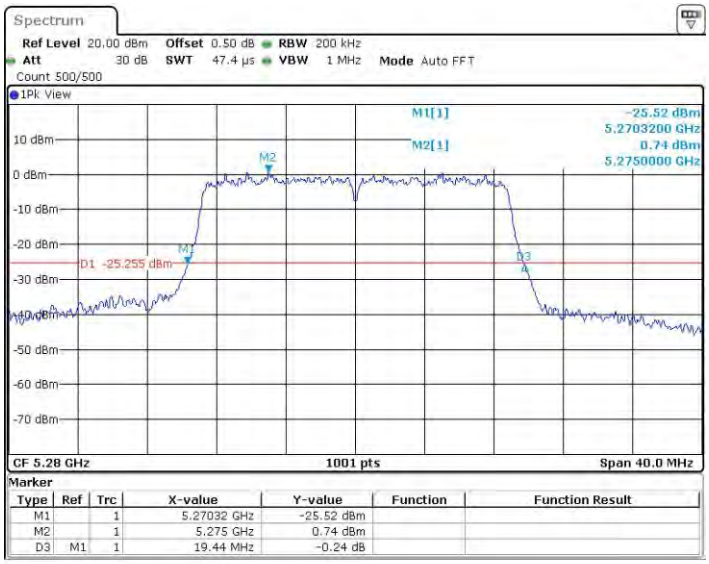

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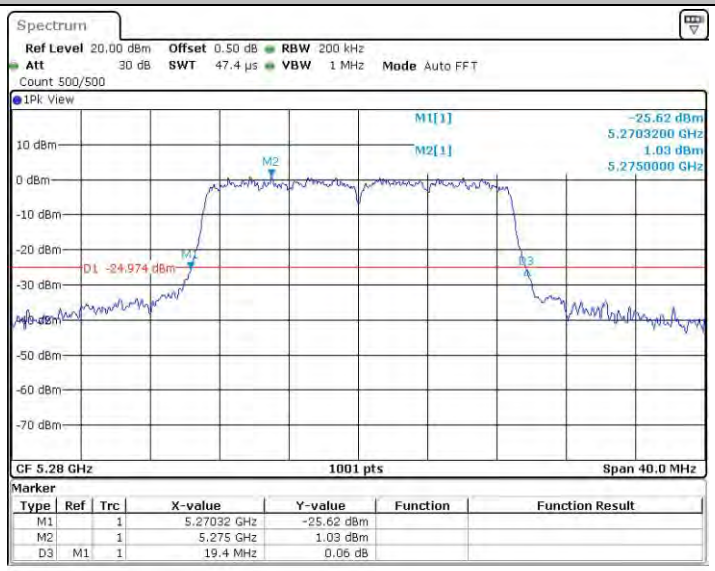

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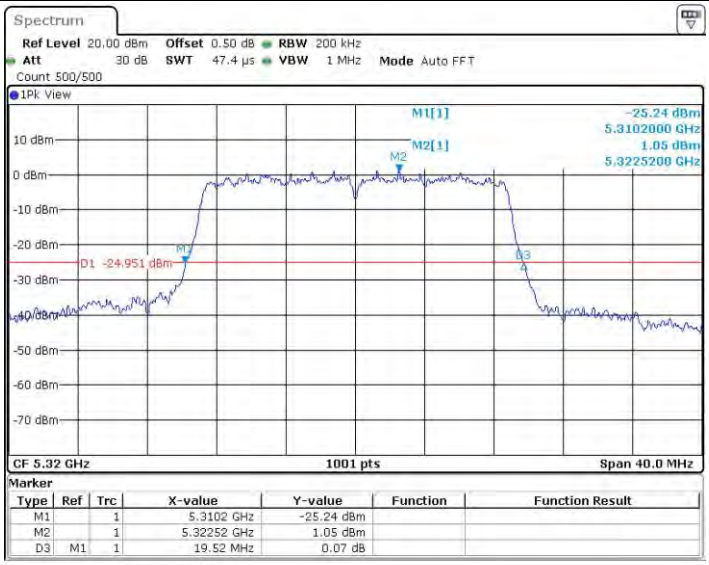

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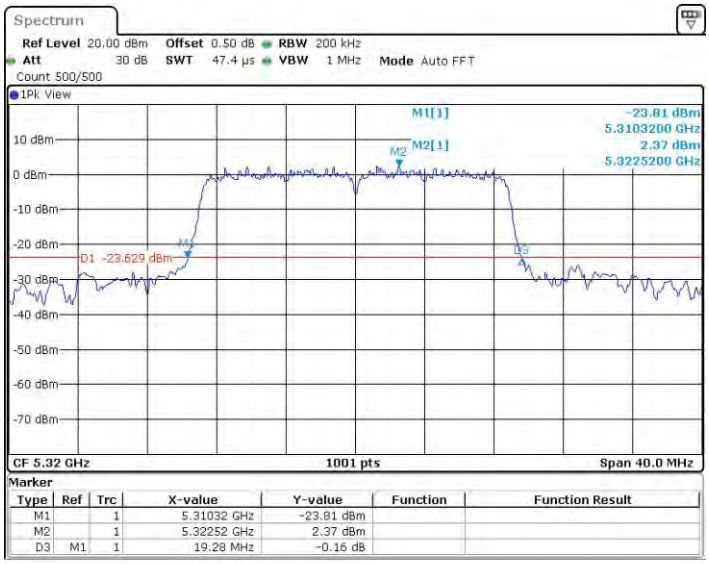

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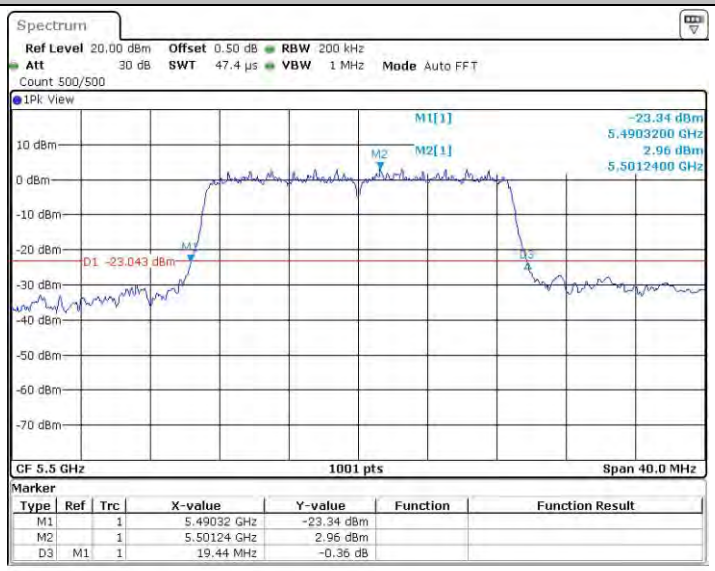

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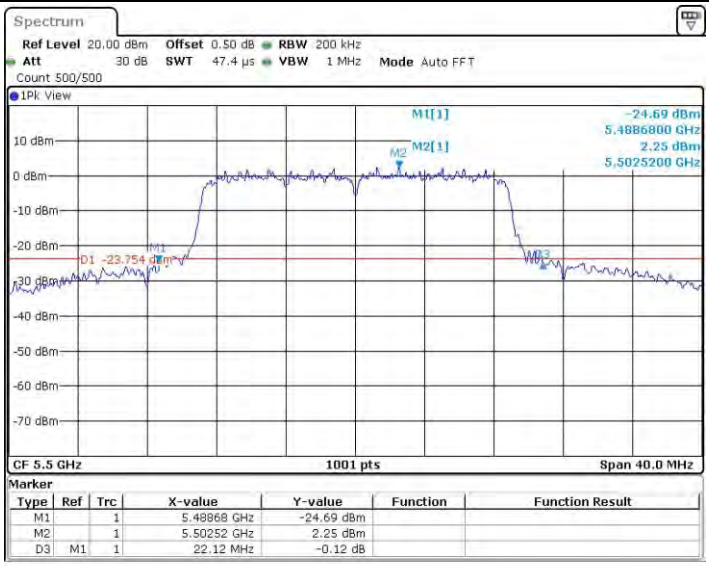

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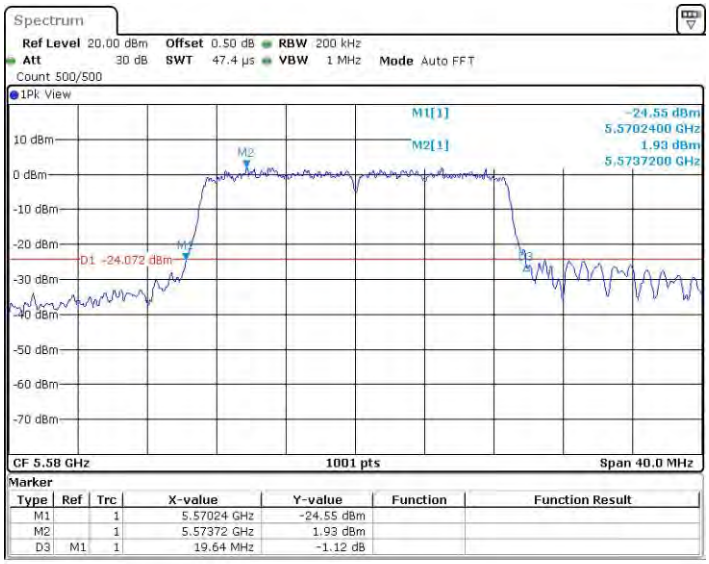

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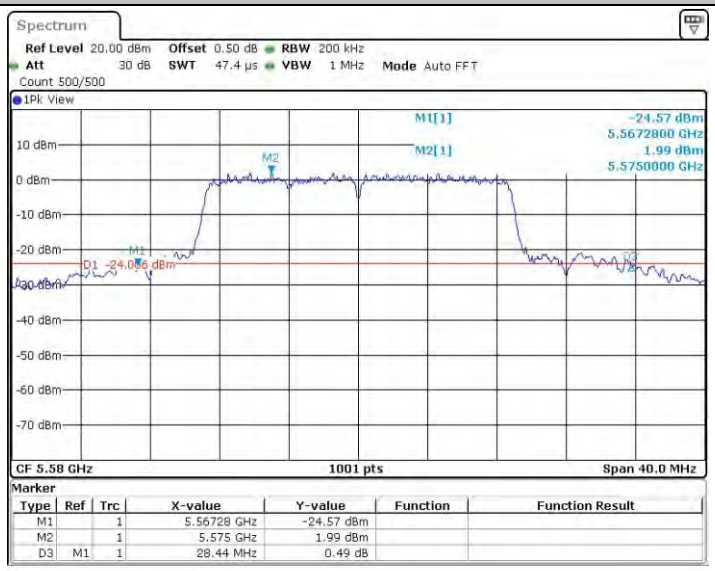

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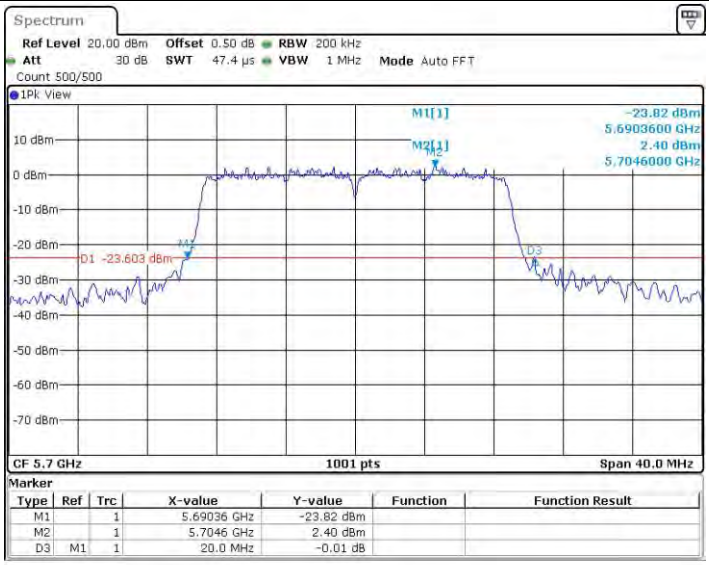

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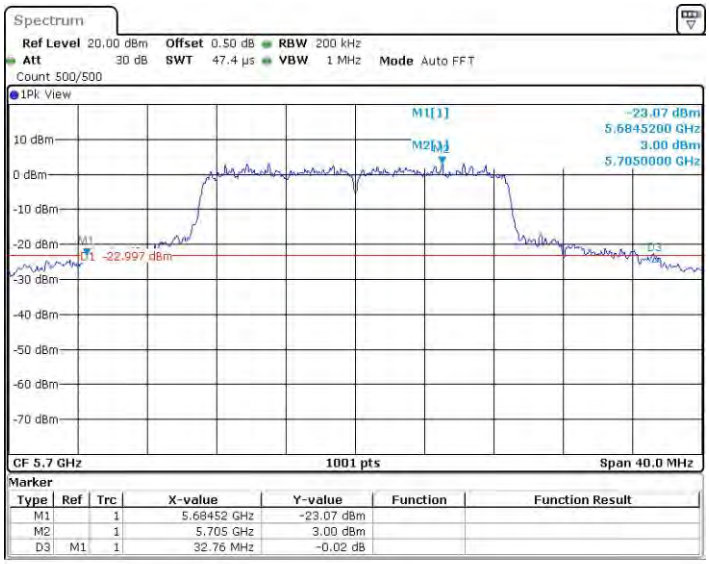

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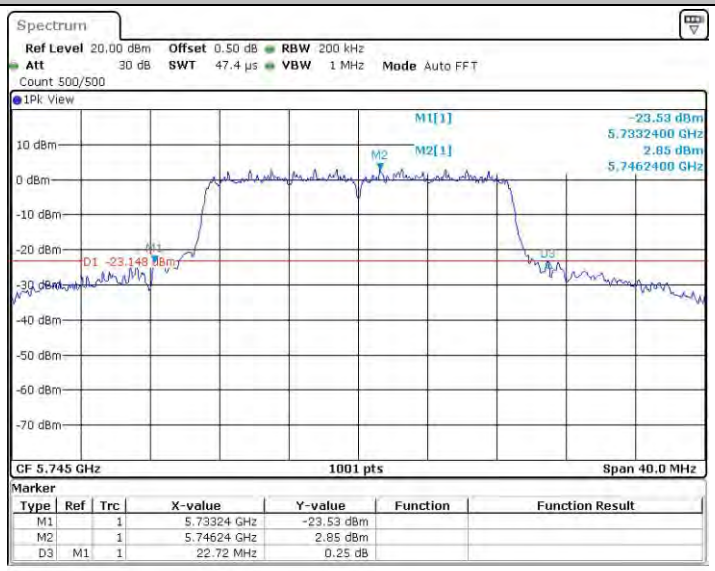

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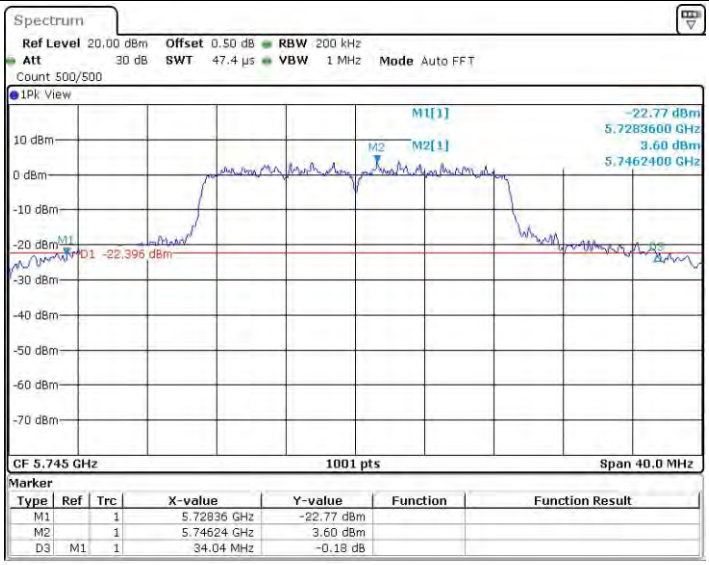

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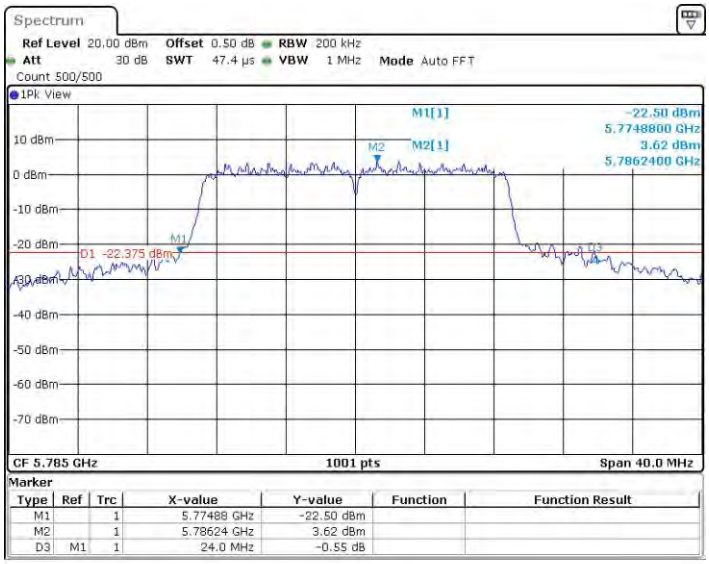

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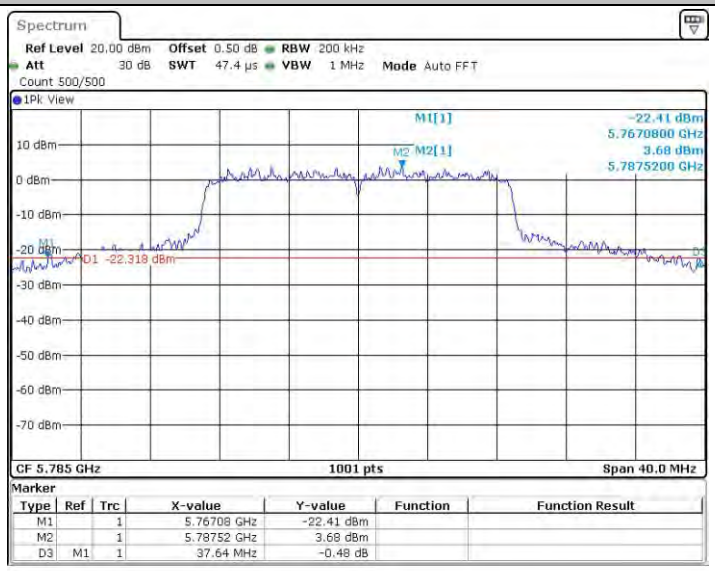

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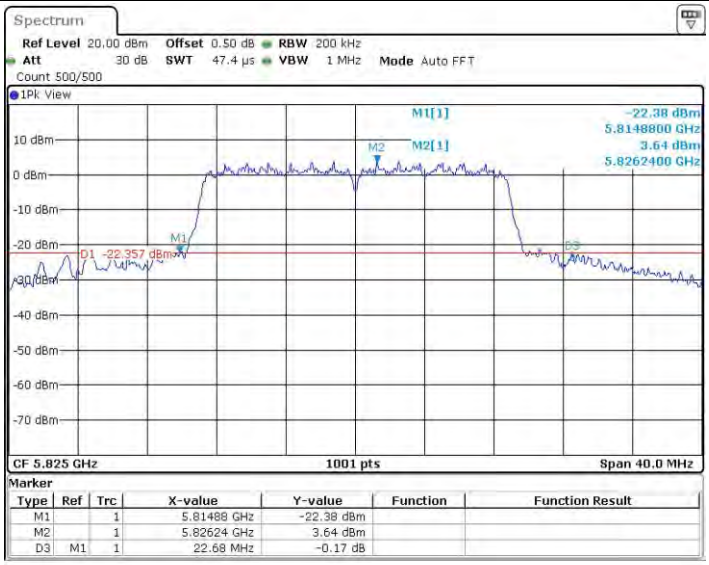

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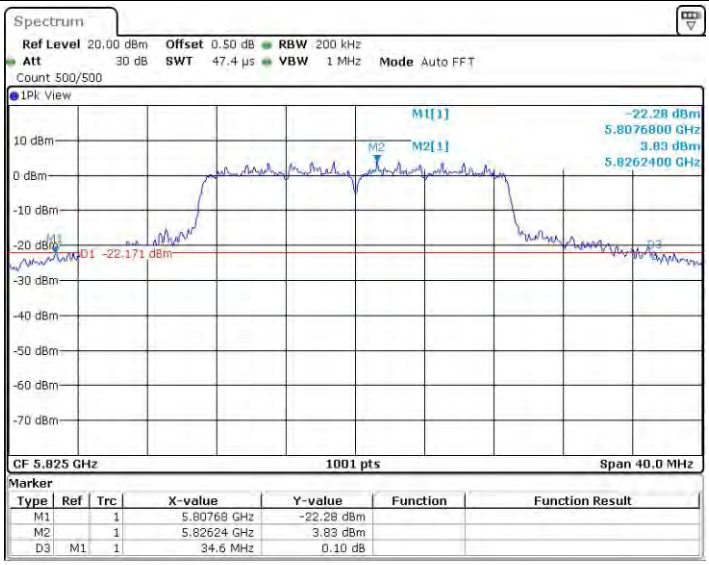

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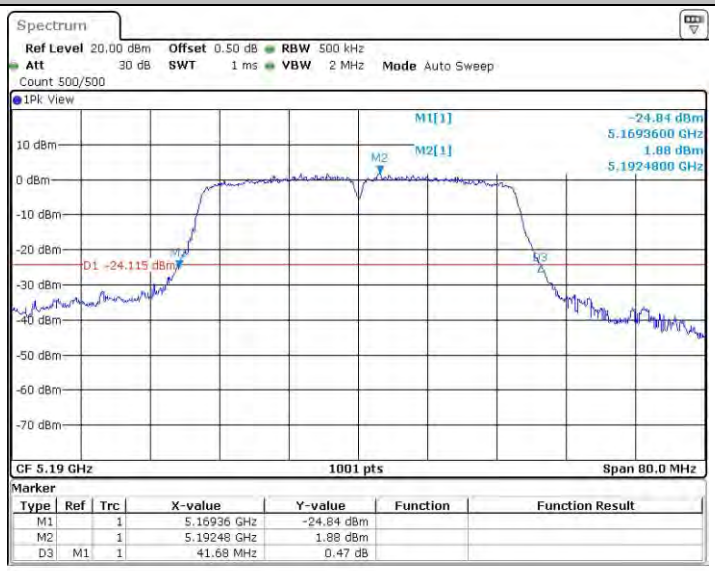

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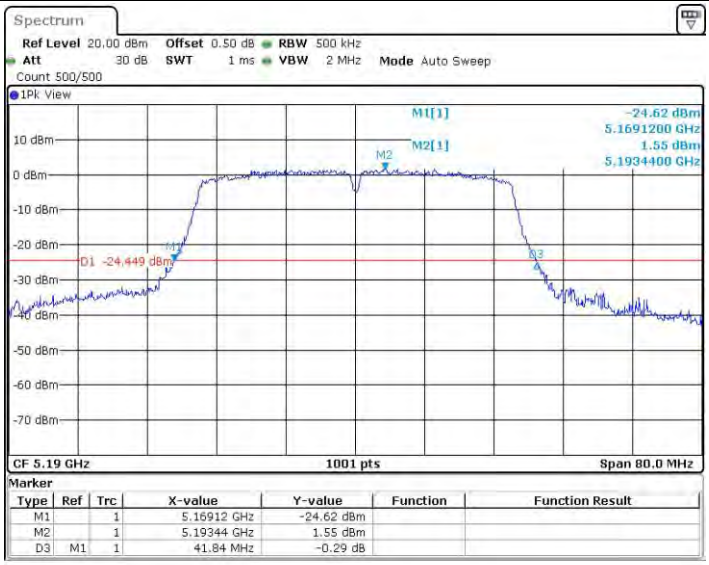

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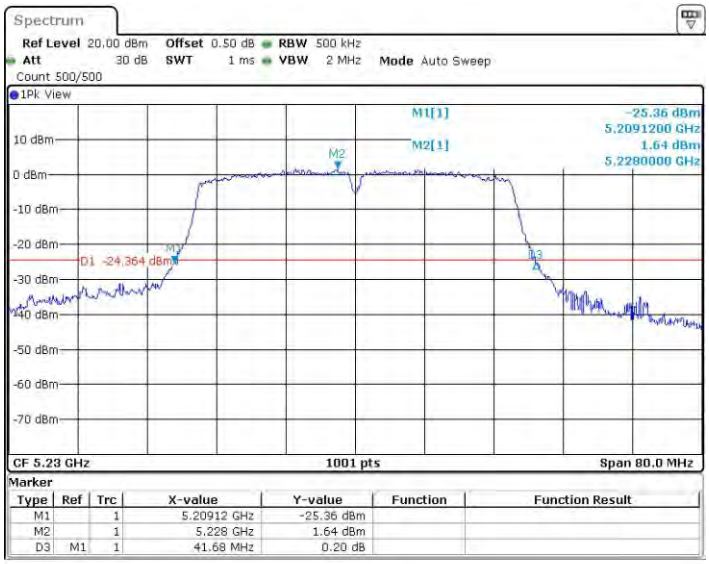

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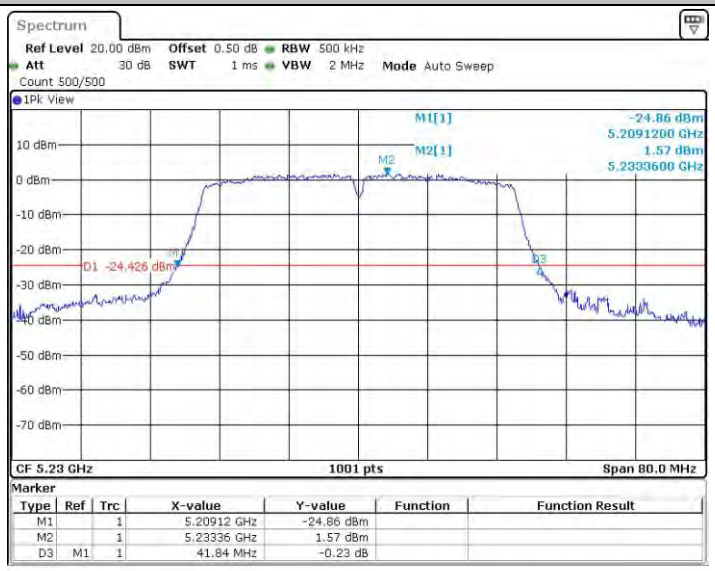

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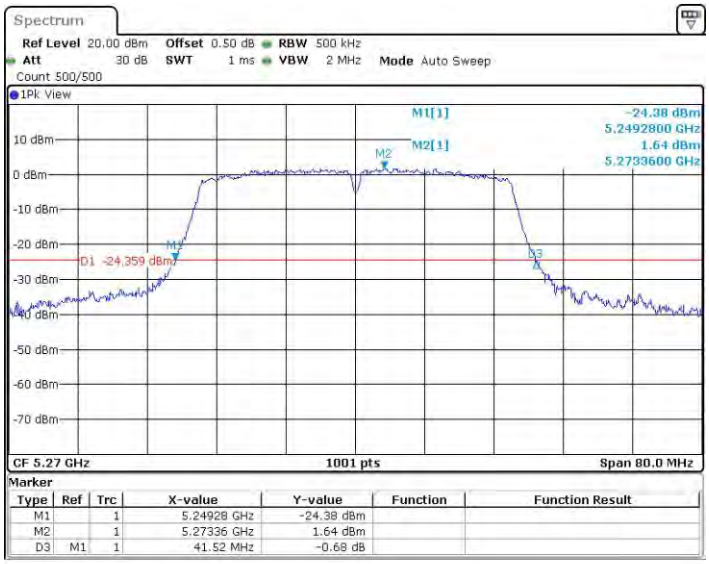

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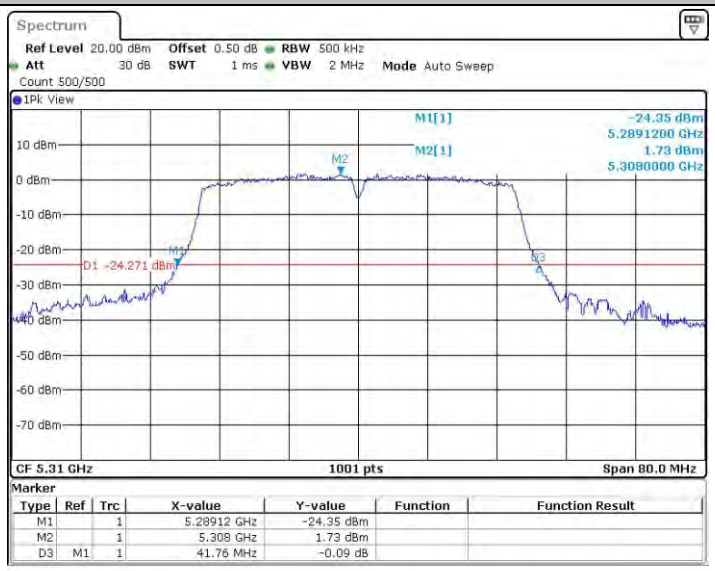

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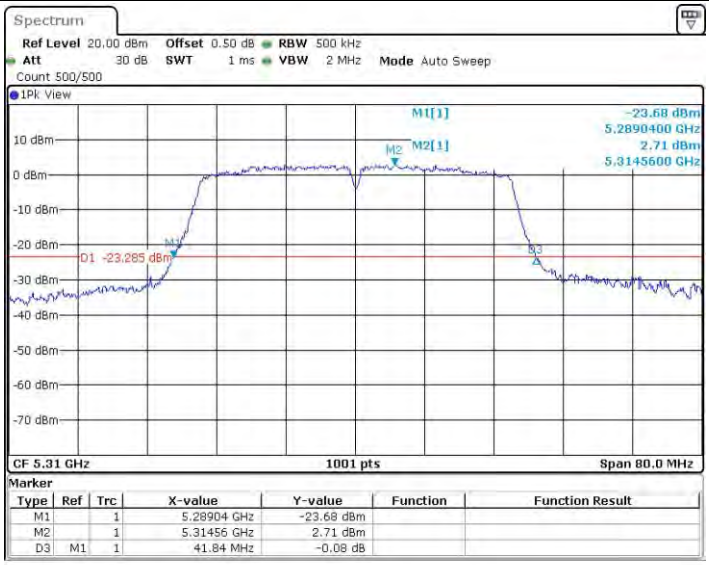

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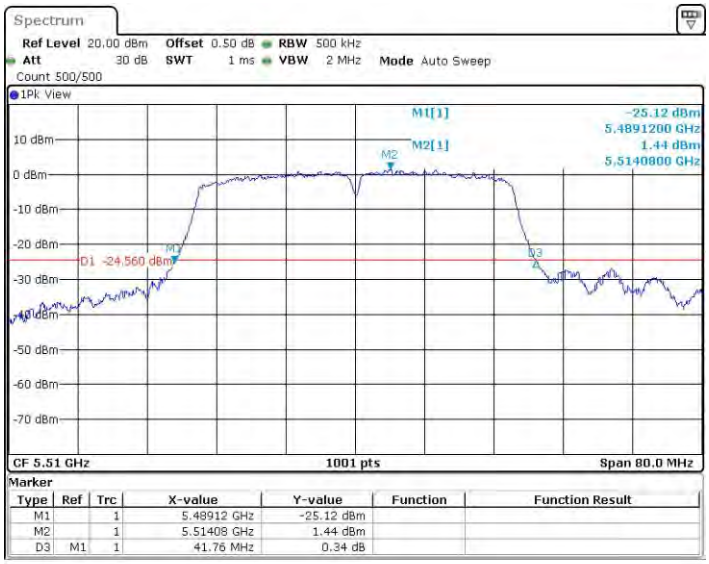

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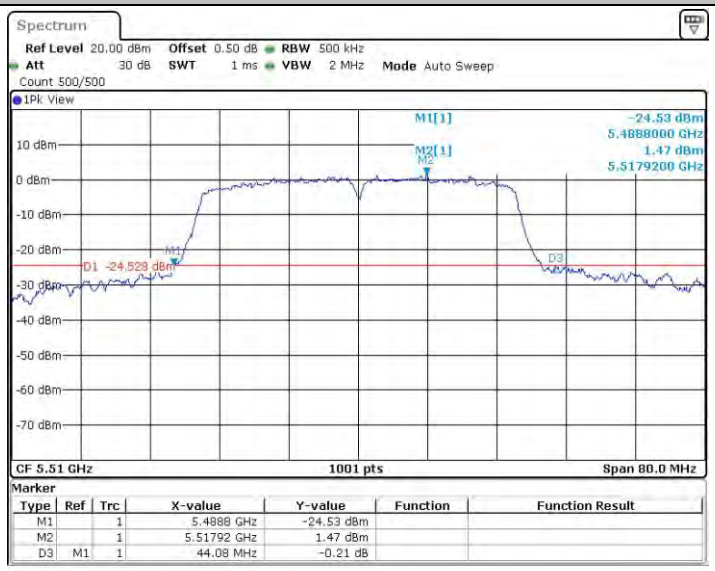

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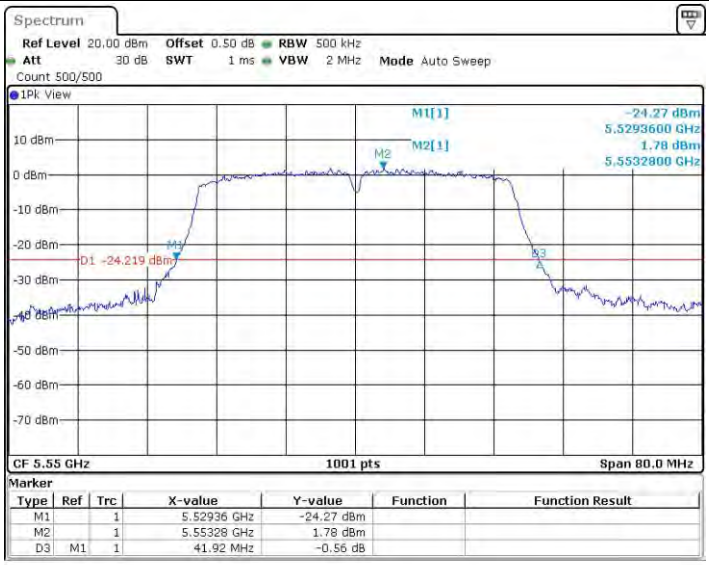

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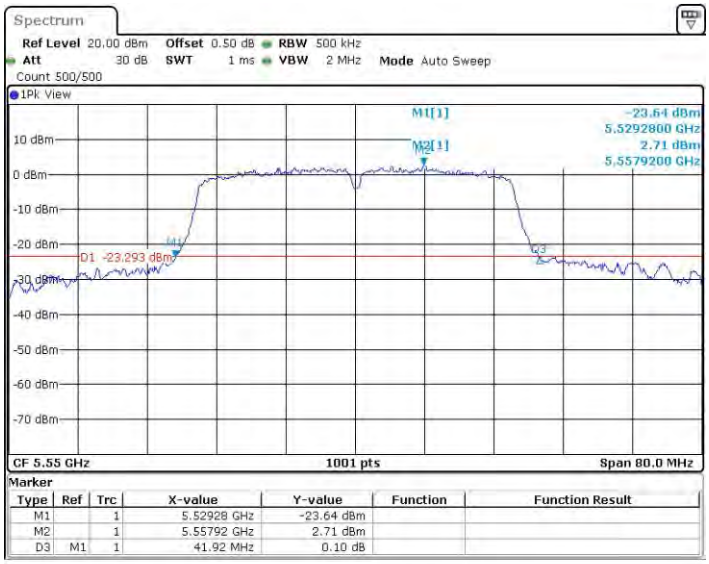

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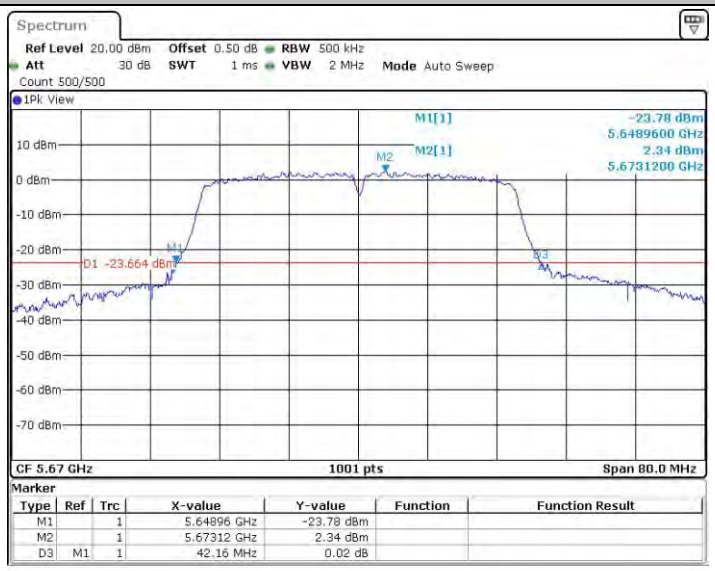

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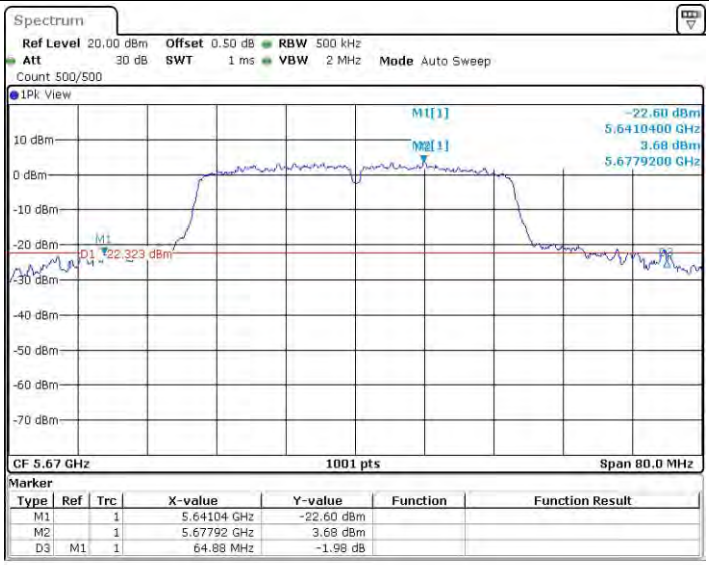

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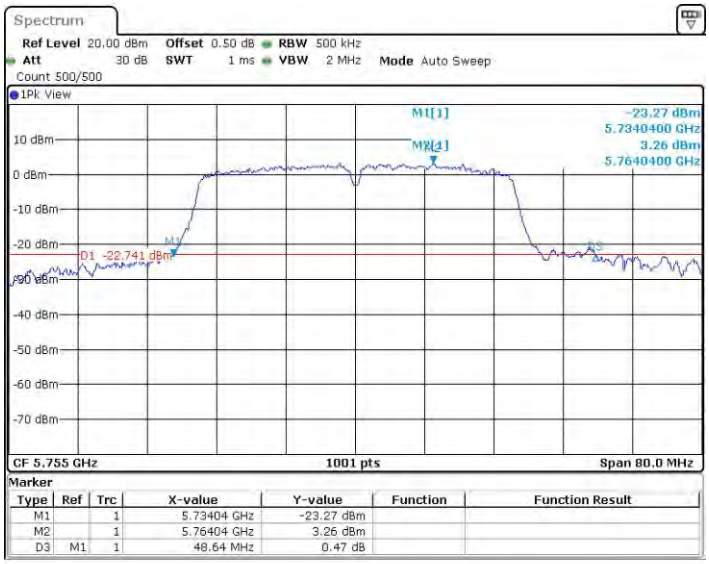

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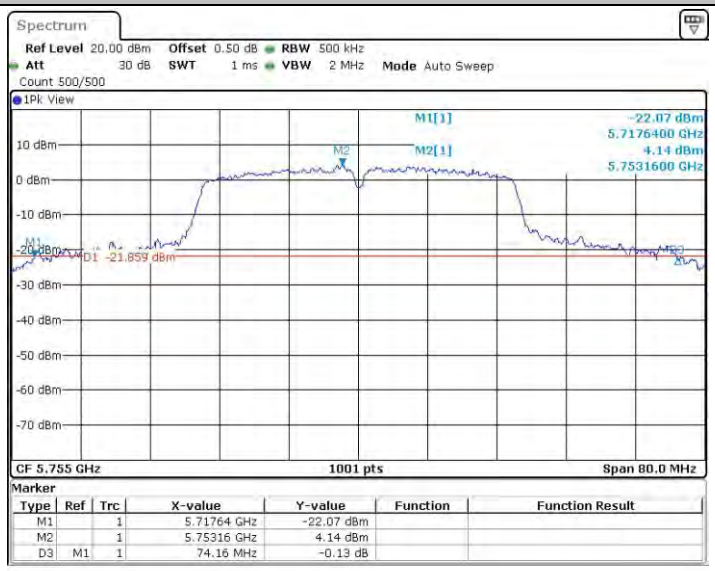

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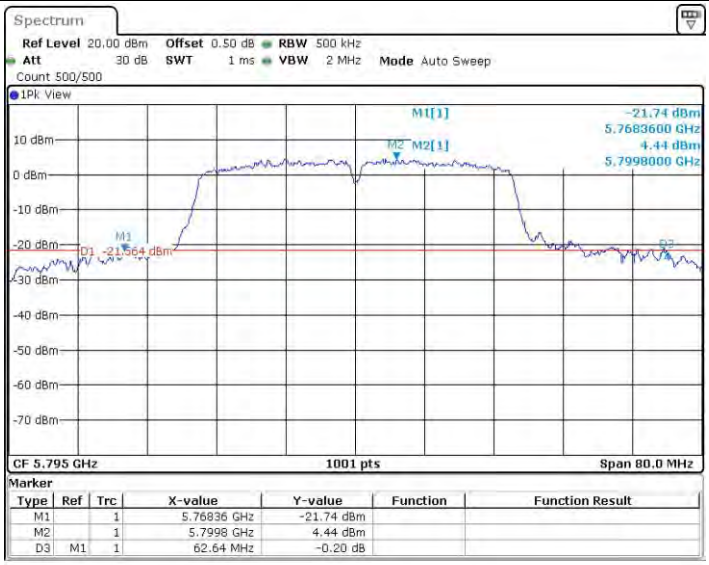

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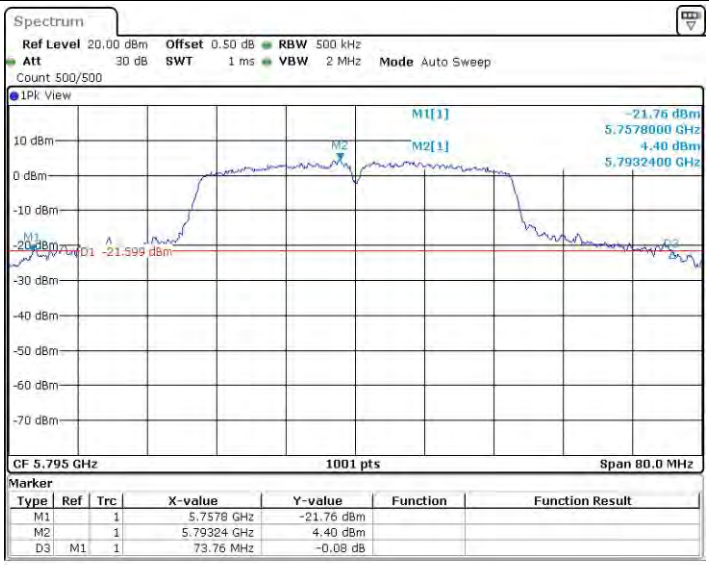

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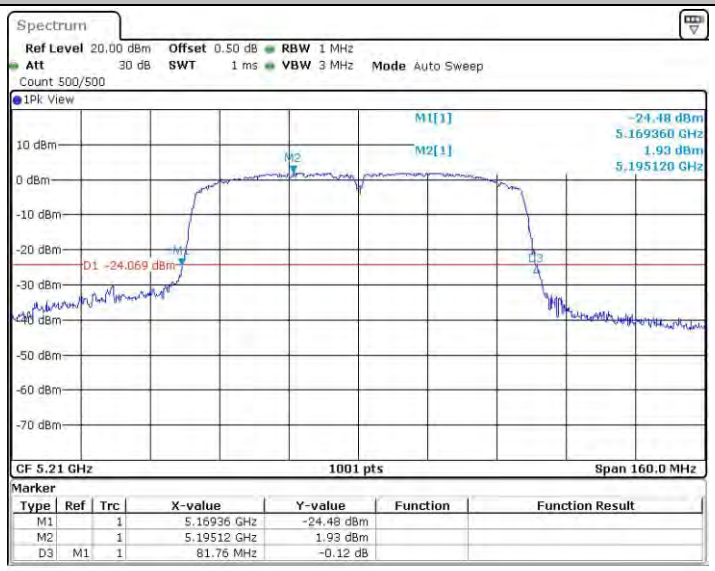

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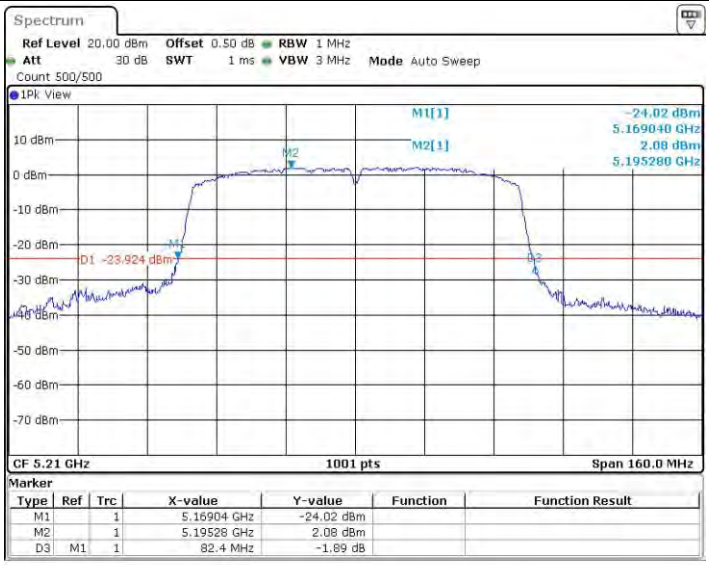

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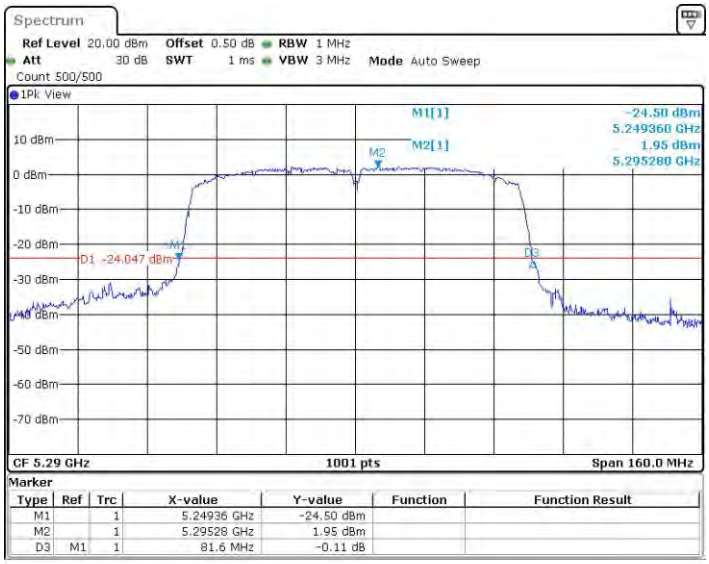

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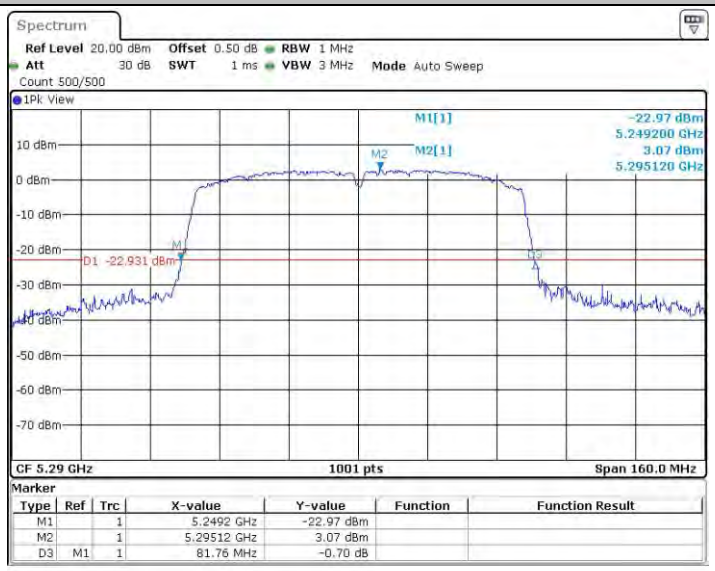

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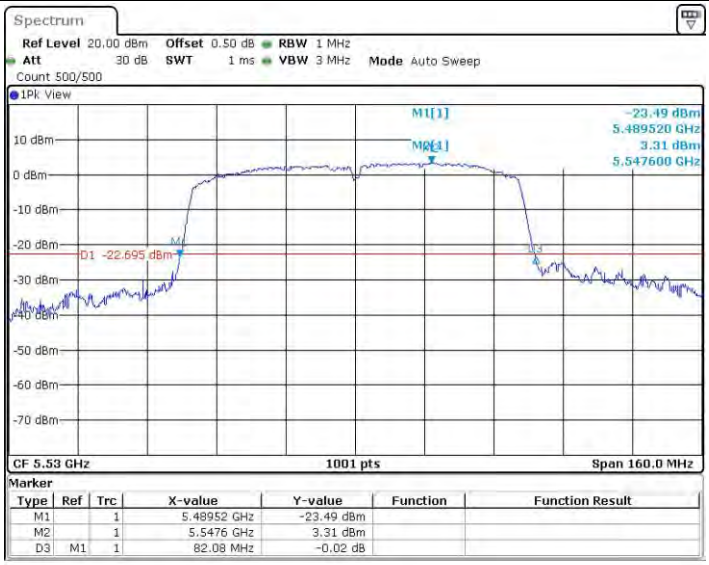

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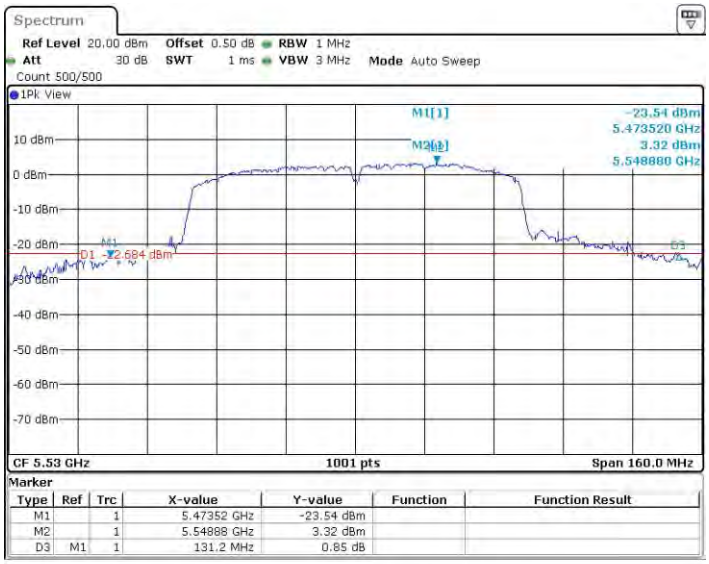

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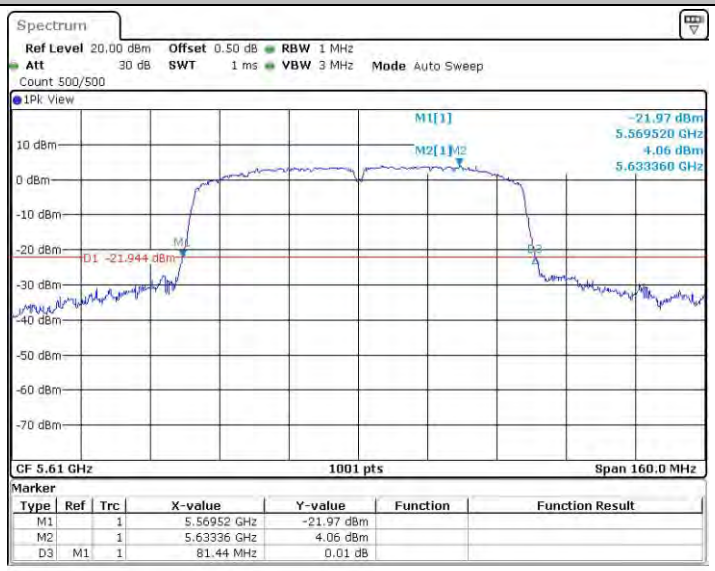

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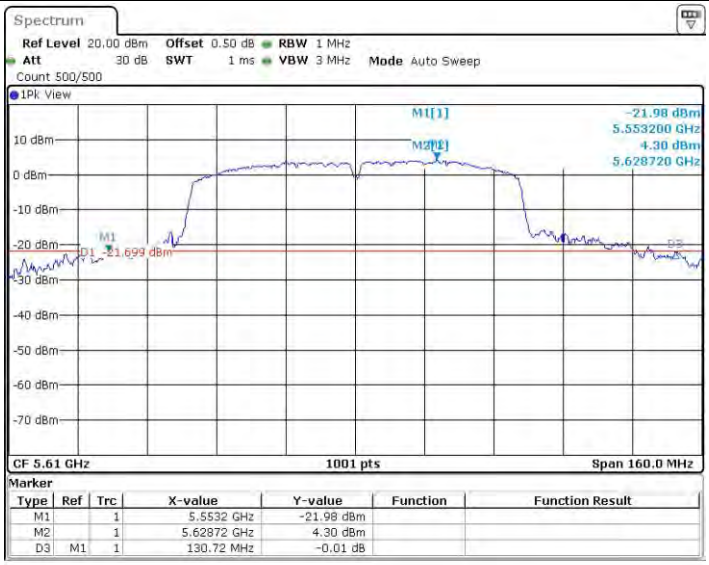

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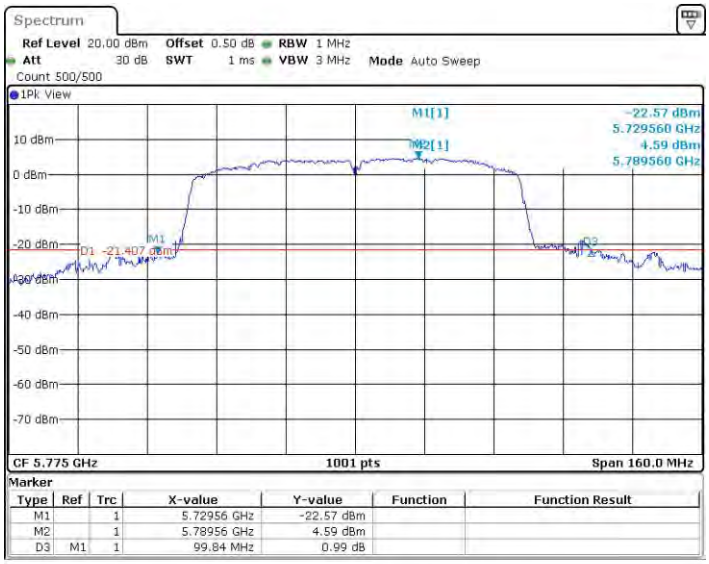

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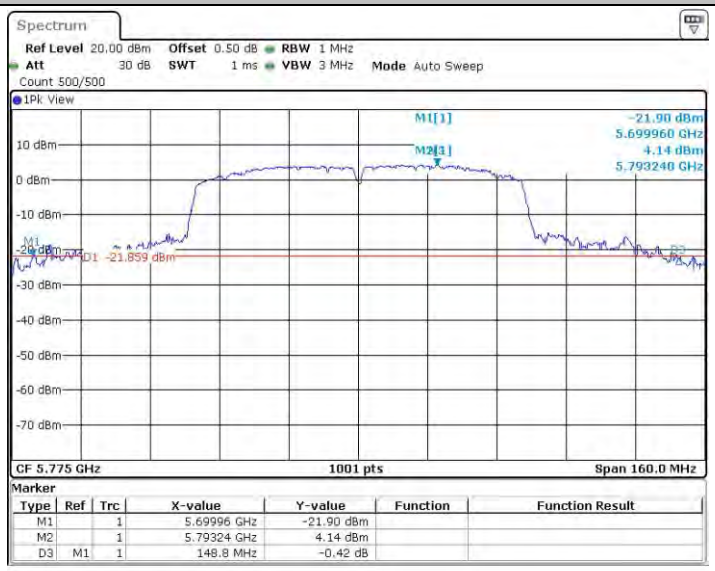

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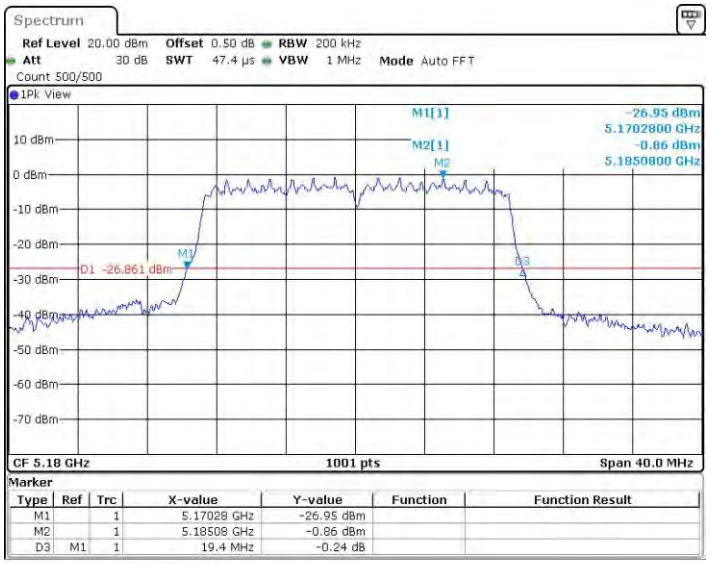

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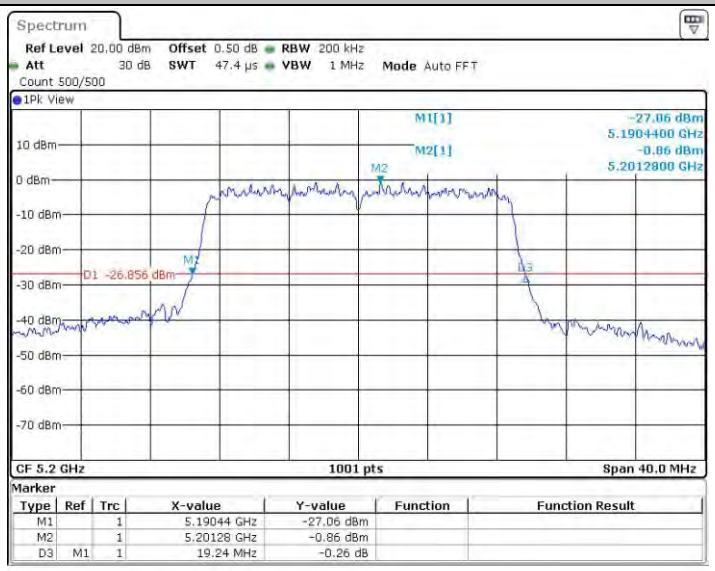

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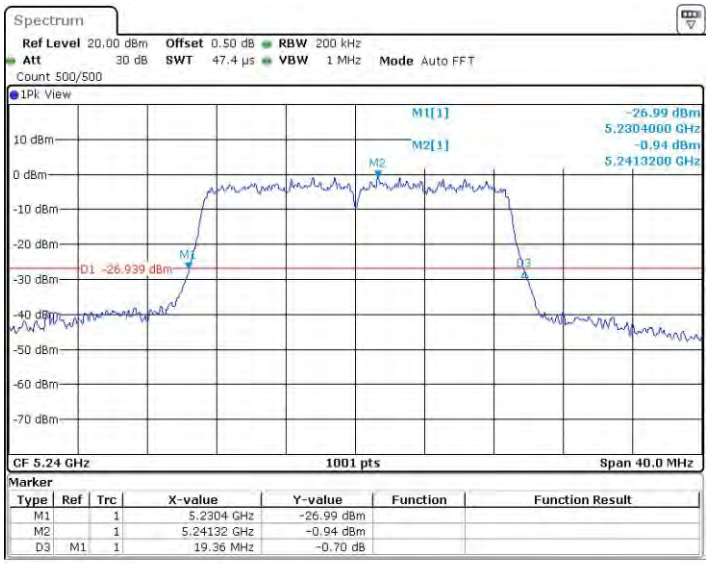

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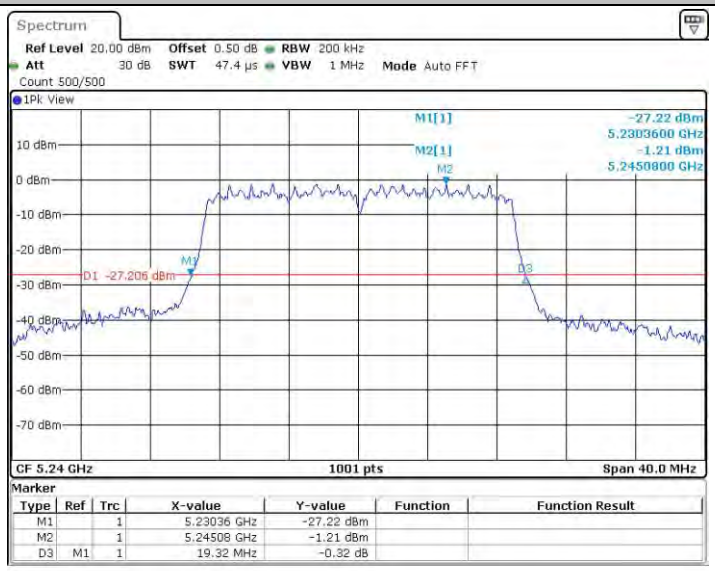
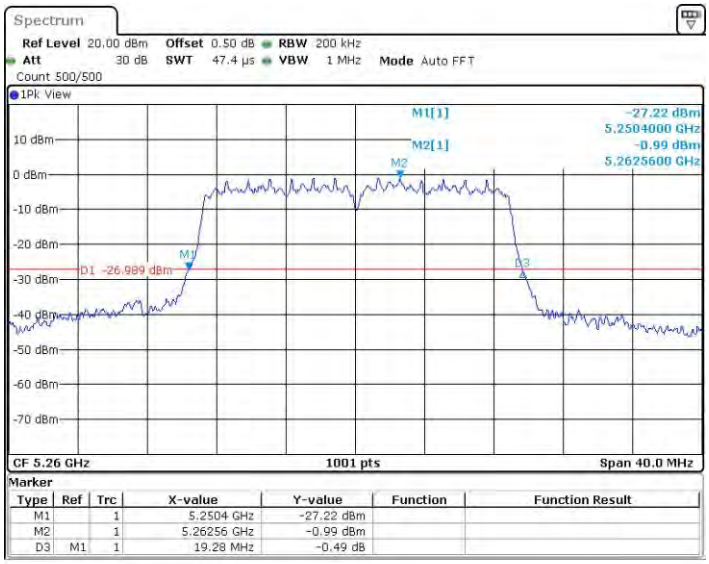


11N20MIMO_Ant2_5240

11N20MIMO_Ant1_5260



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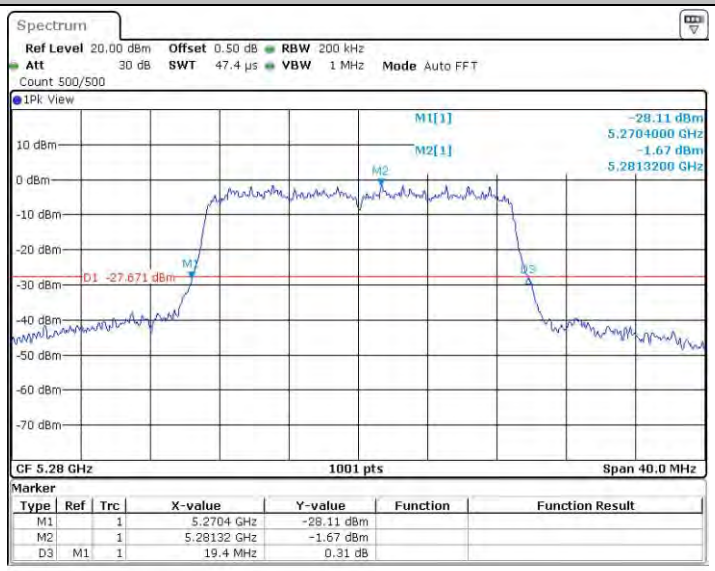
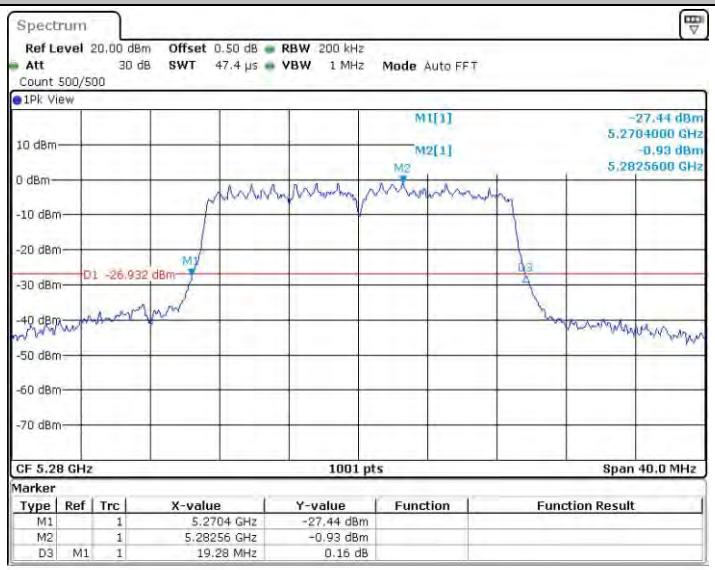


11N20MIMO_Ant1_5280



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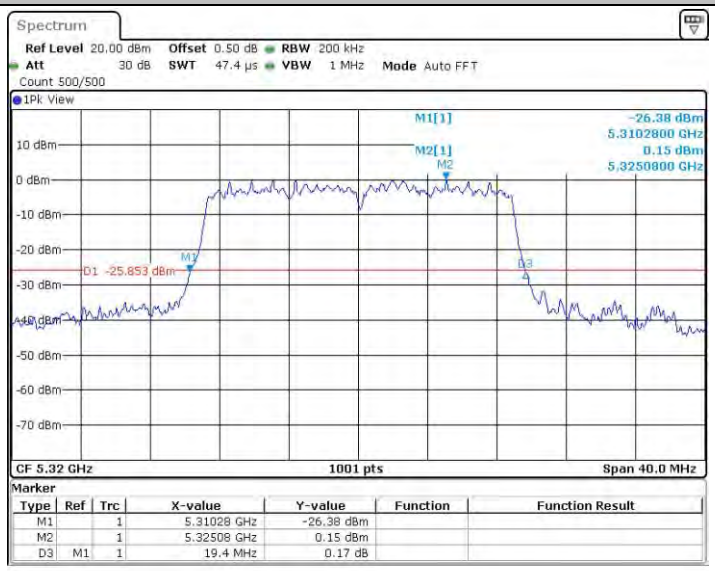
11N20MIMO_Ant1_5320



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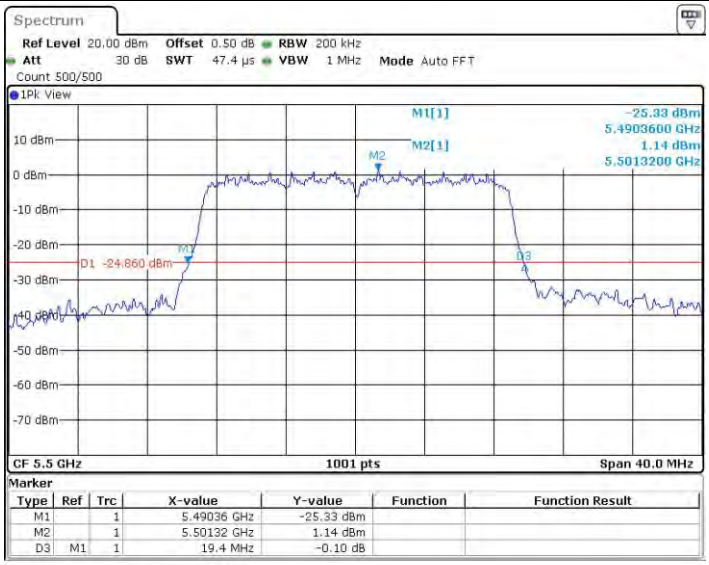

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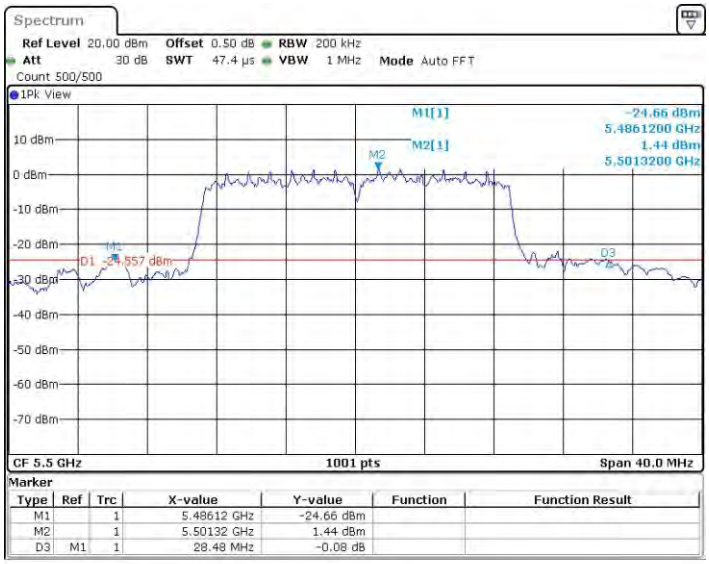

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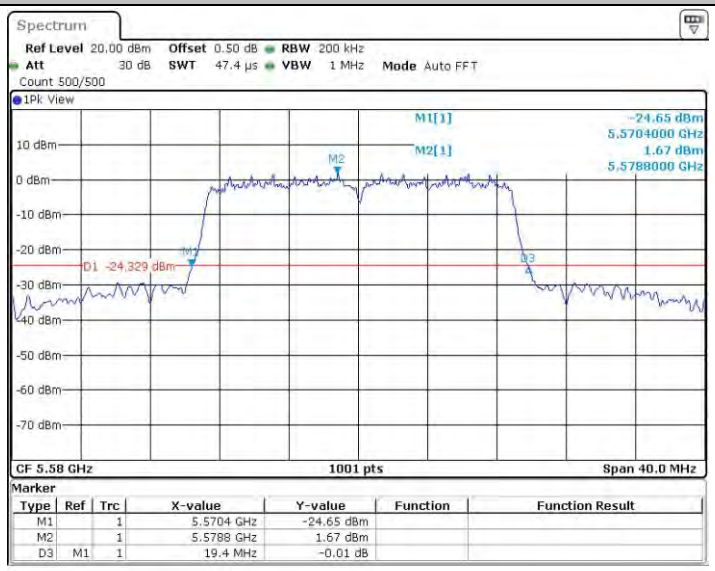

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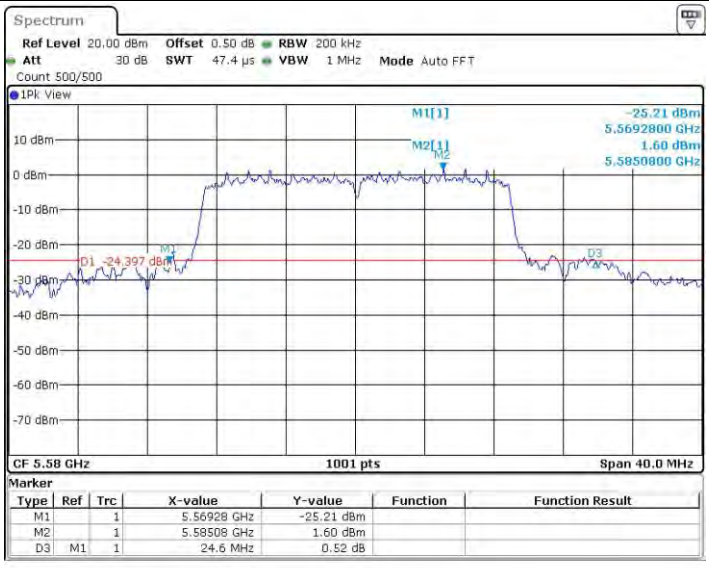

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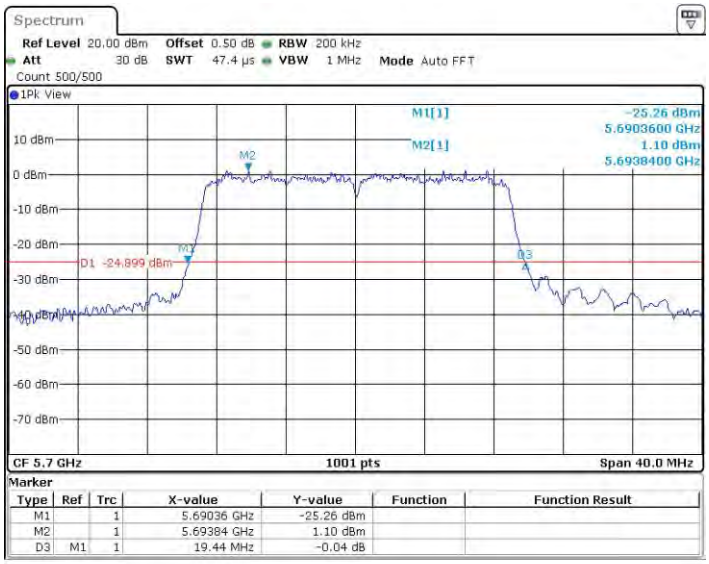

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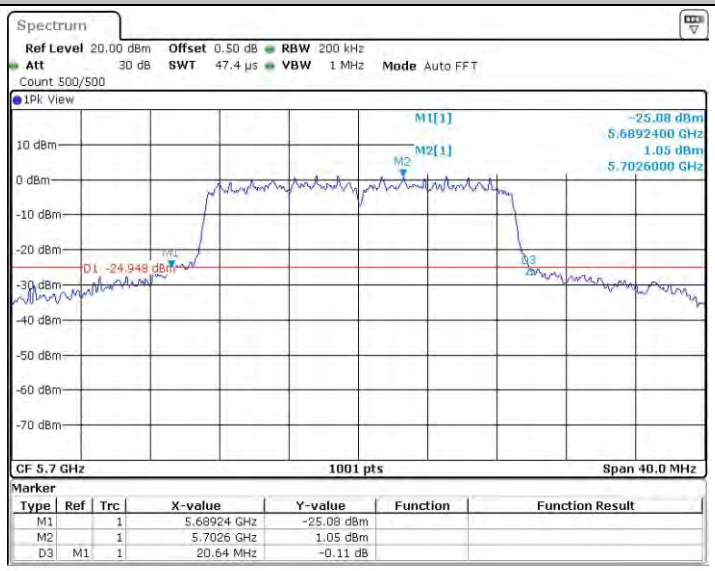

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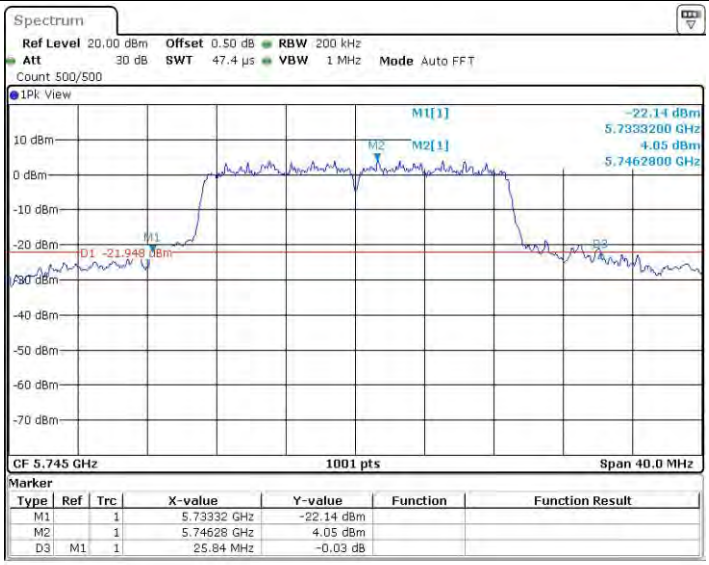

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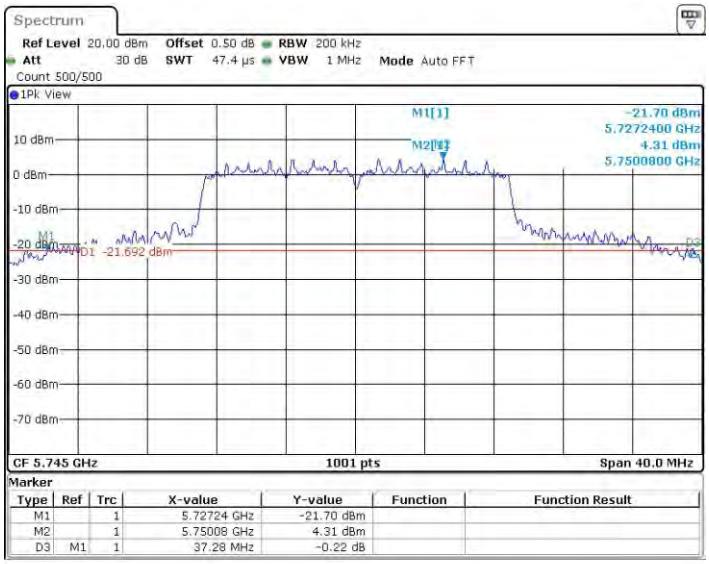

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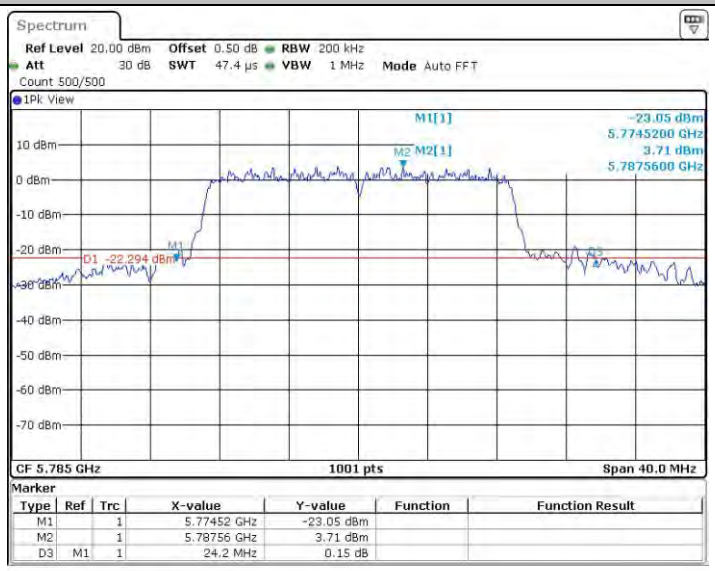

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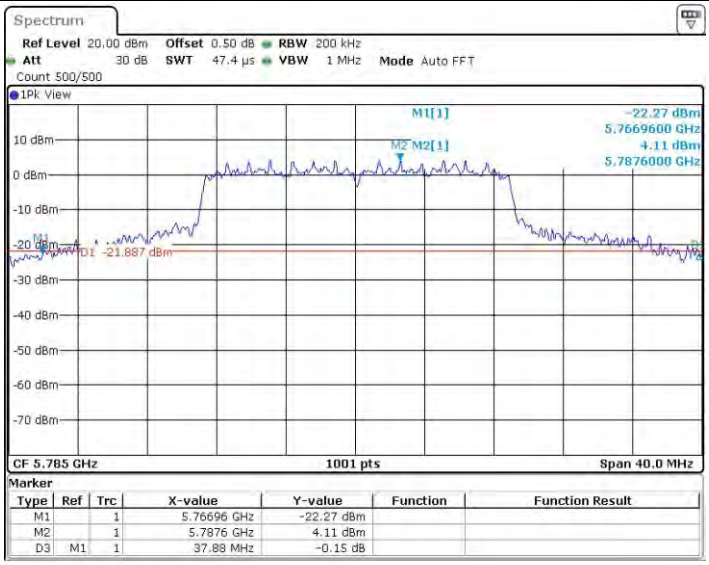

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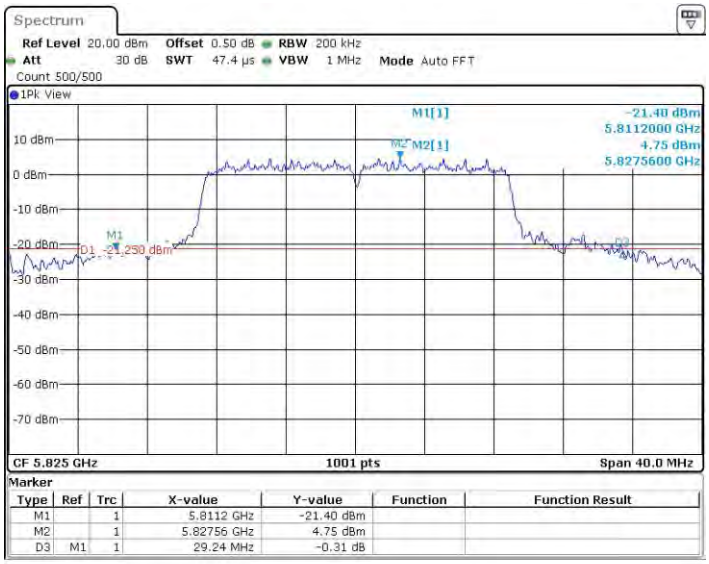

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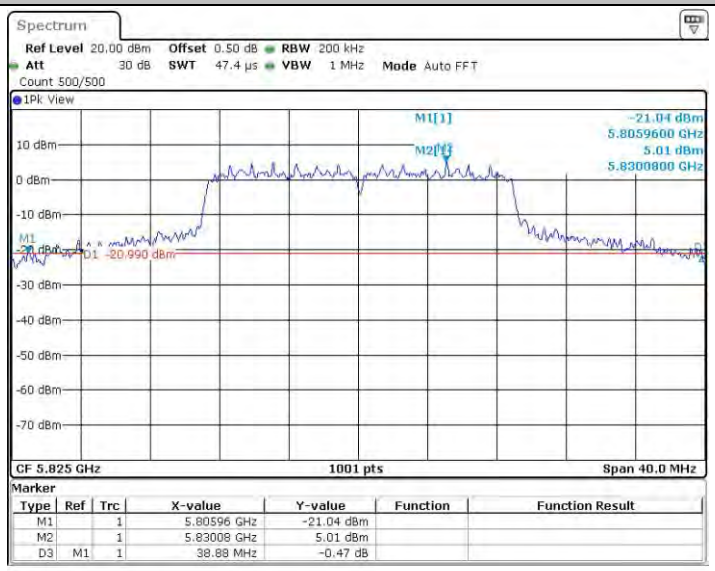

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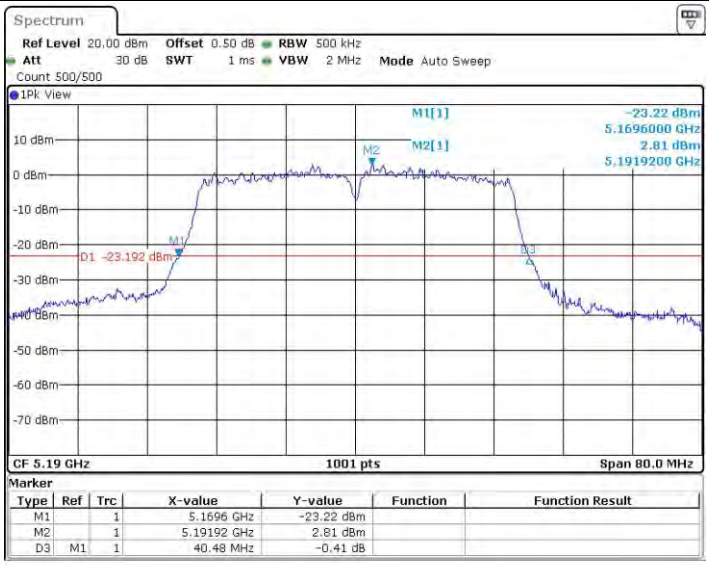

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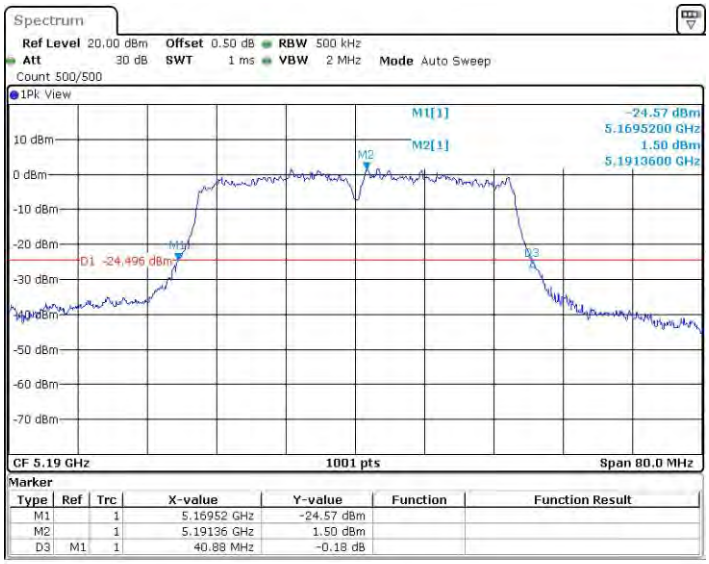

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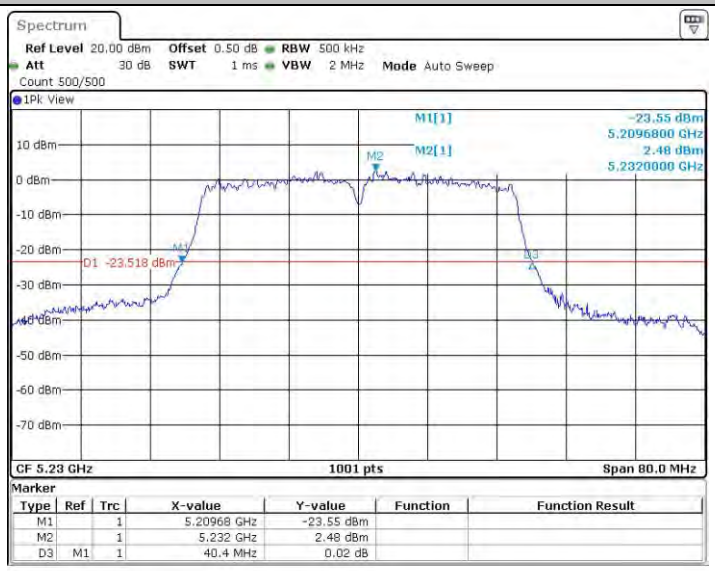

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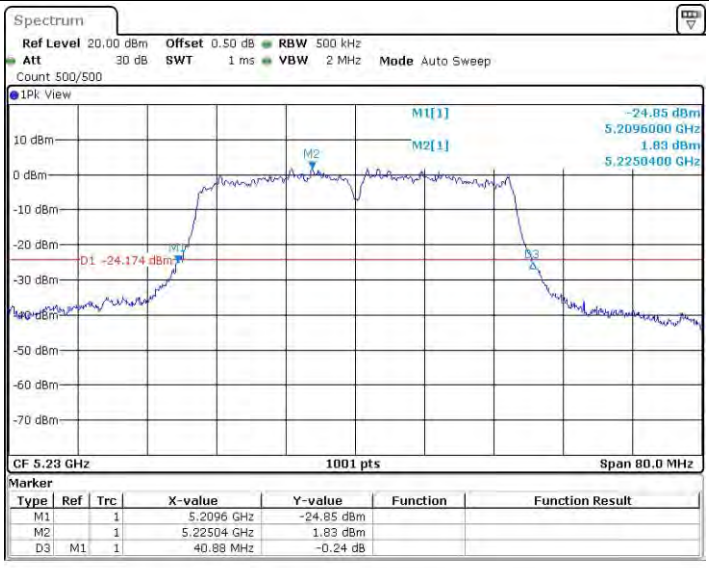

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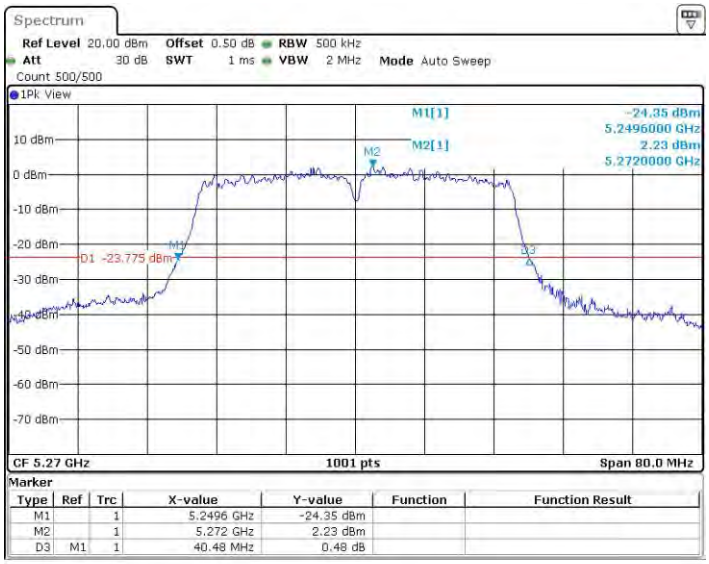

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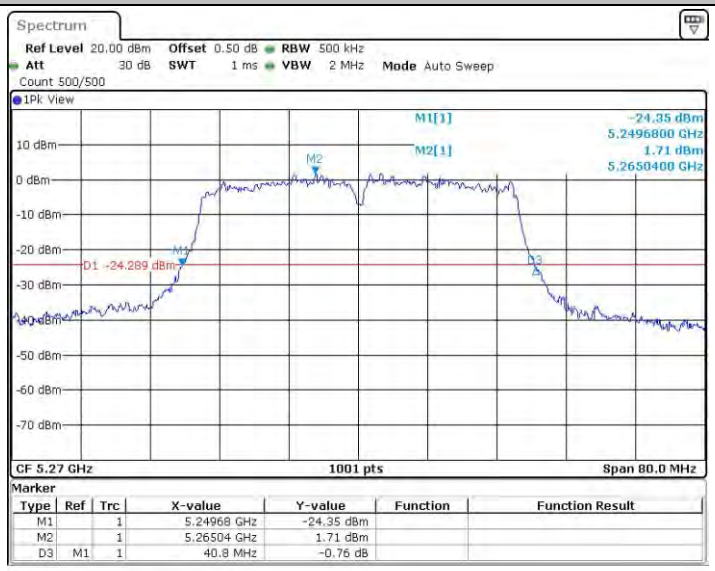

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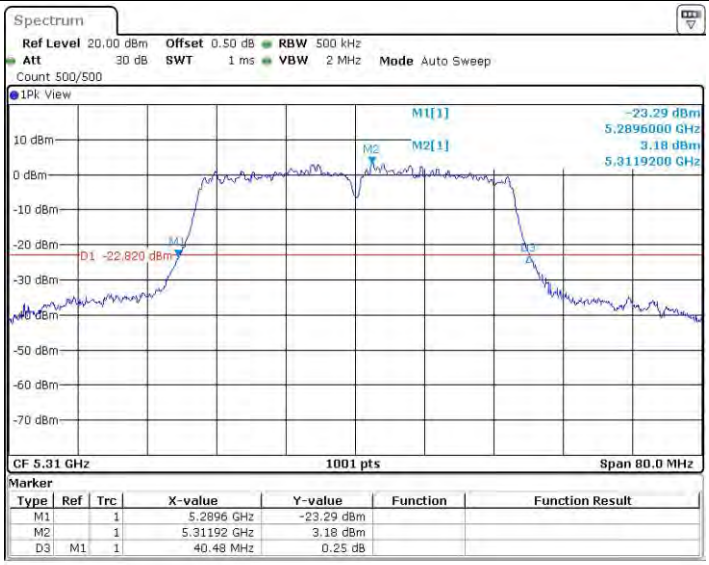

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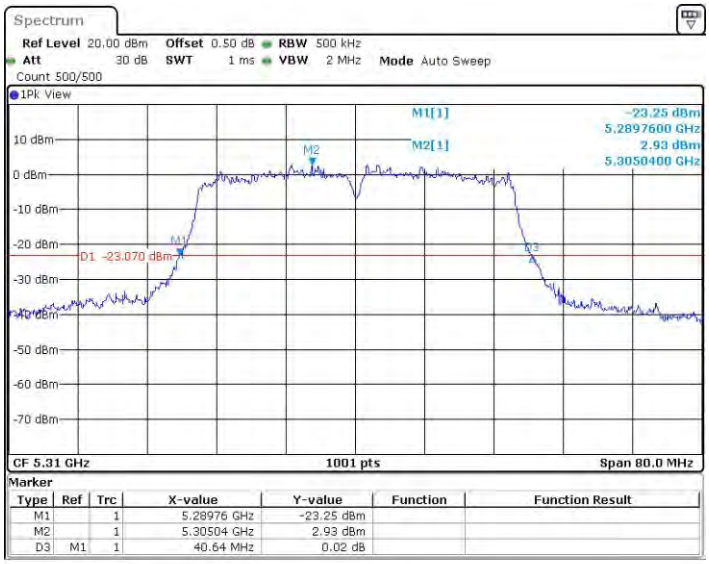

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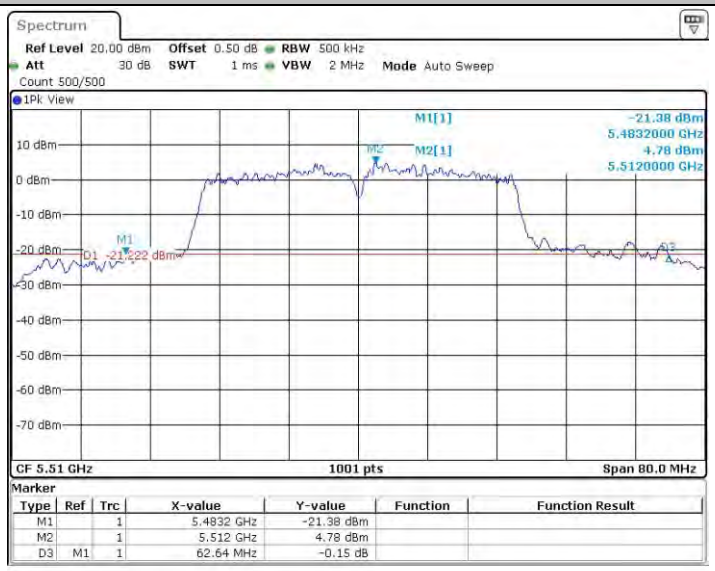

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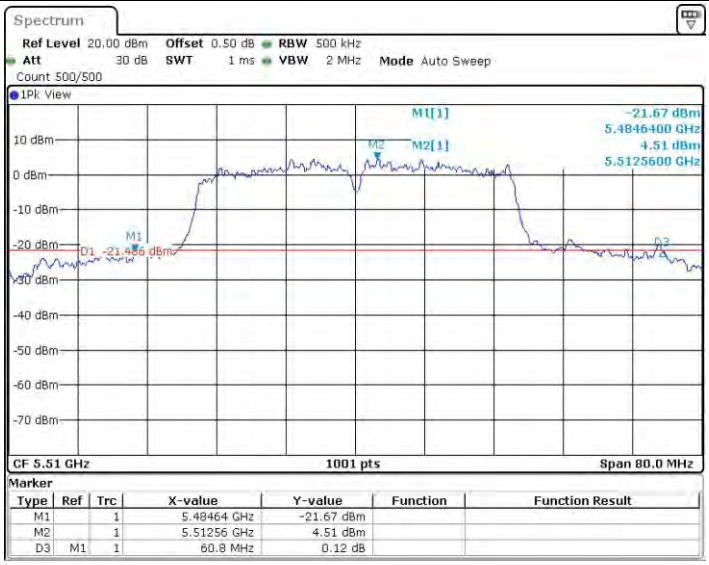

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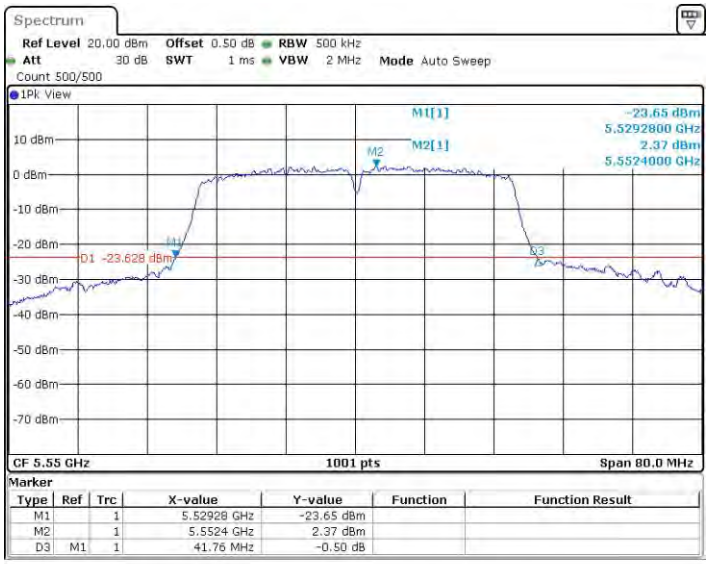

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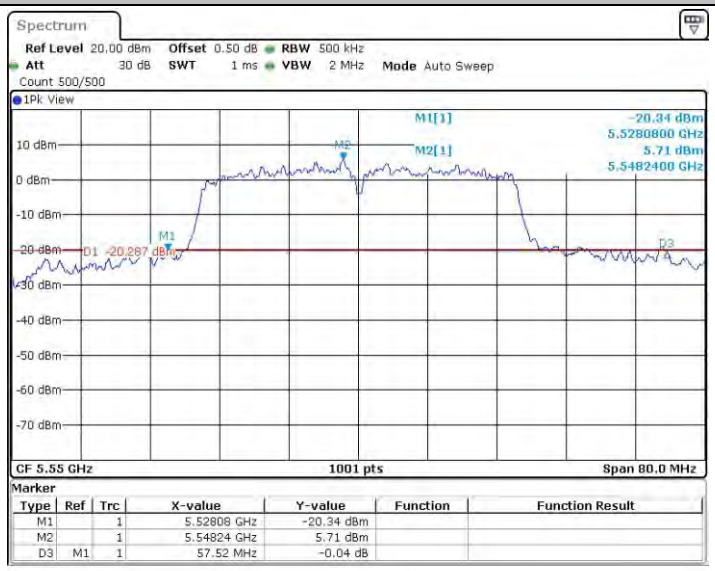

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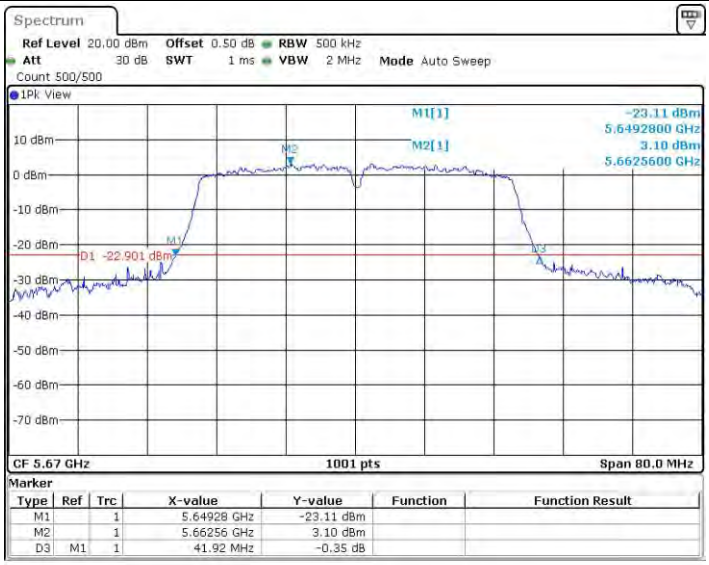

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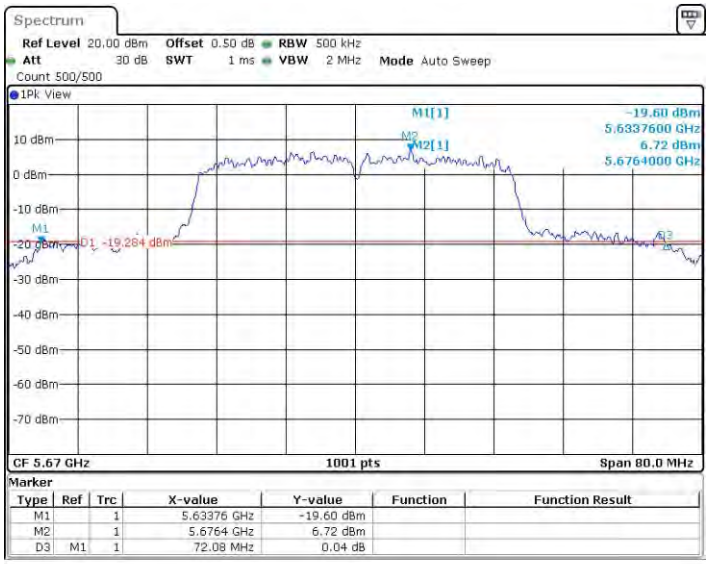

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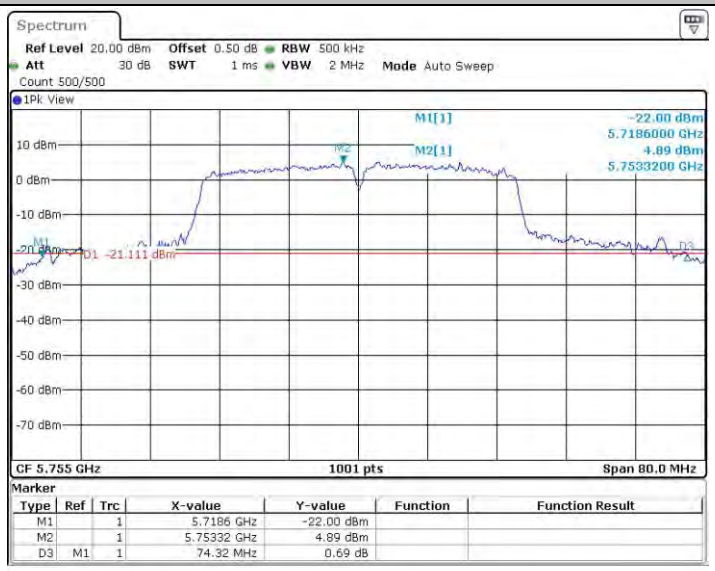

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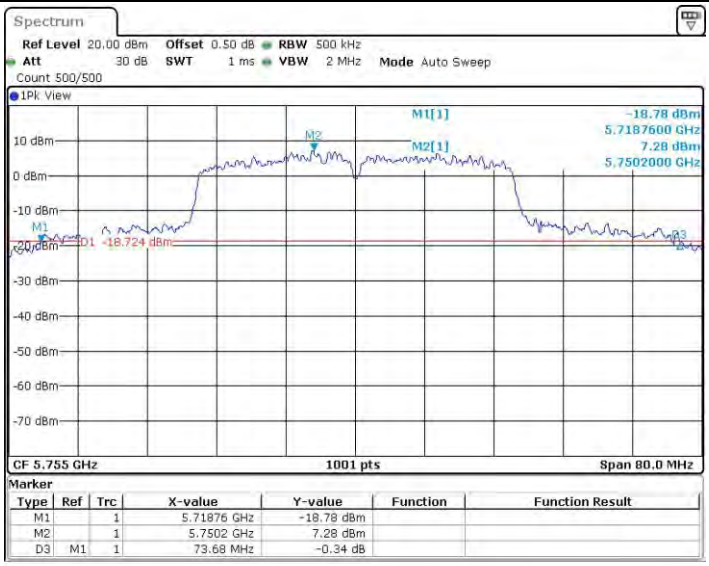

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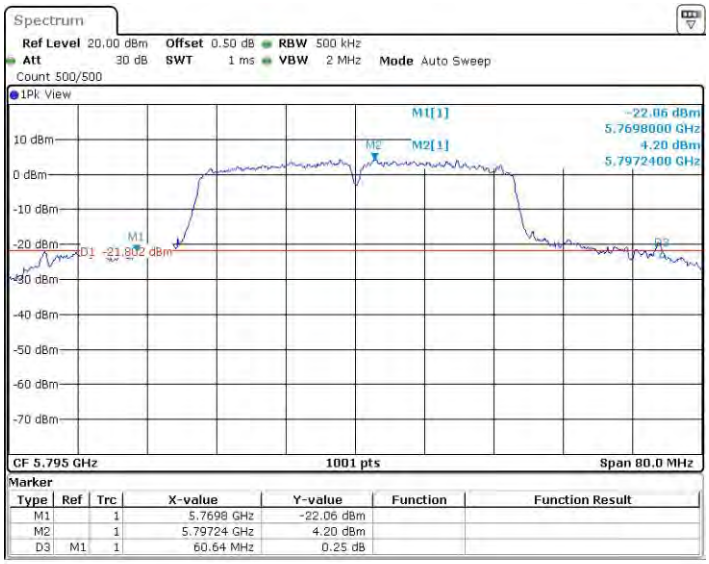

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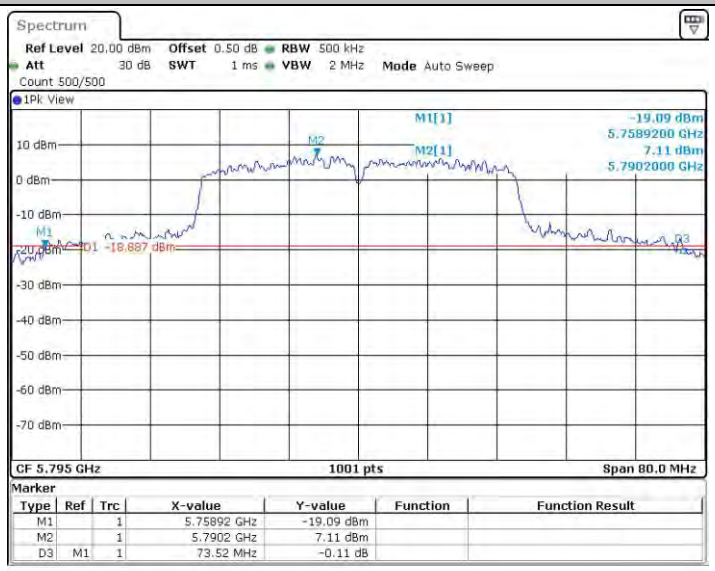

11N40MIMO_Ant2_5795

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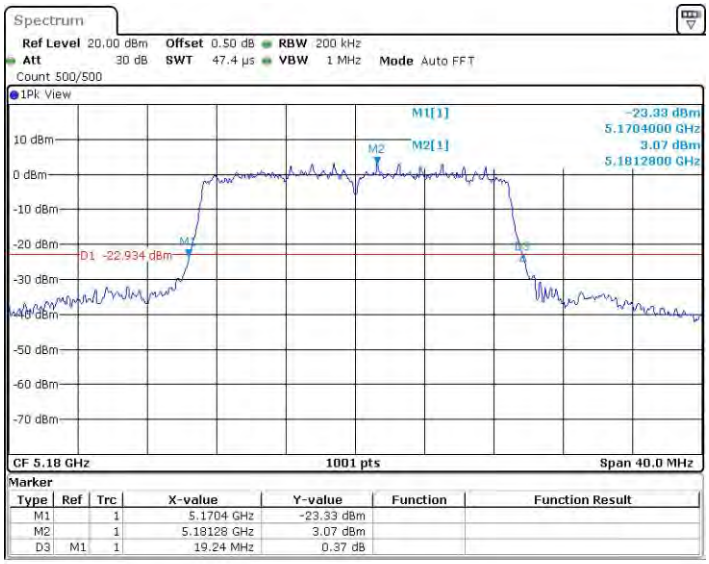

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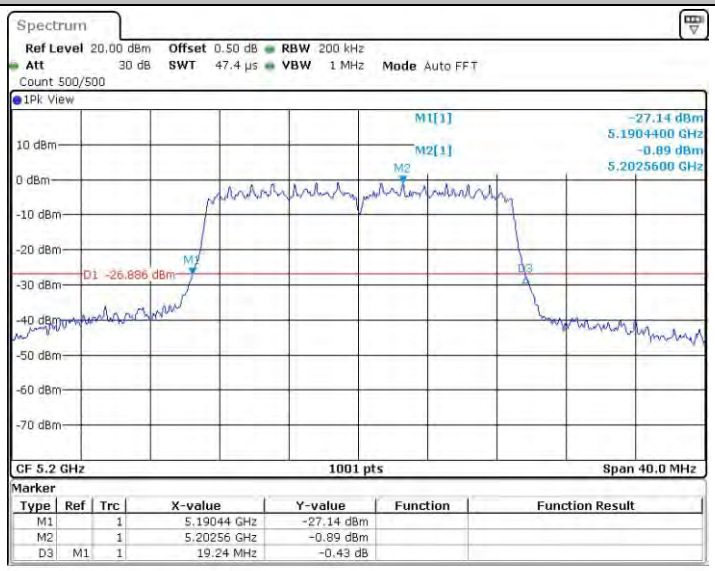

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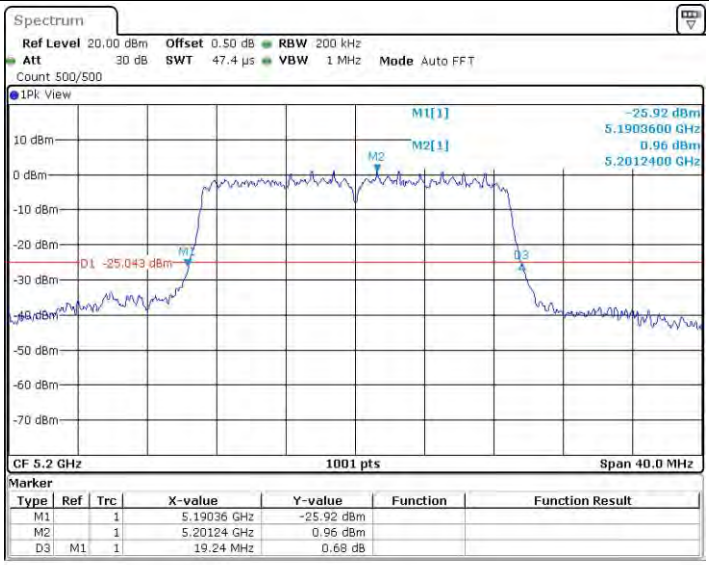

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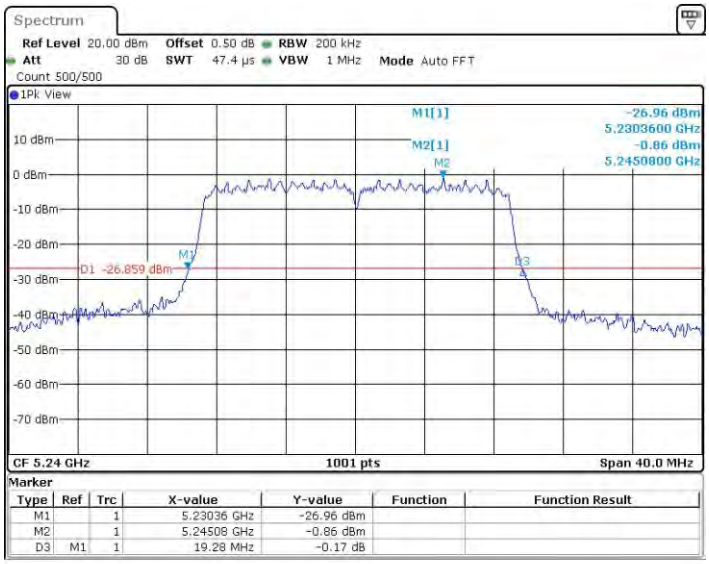

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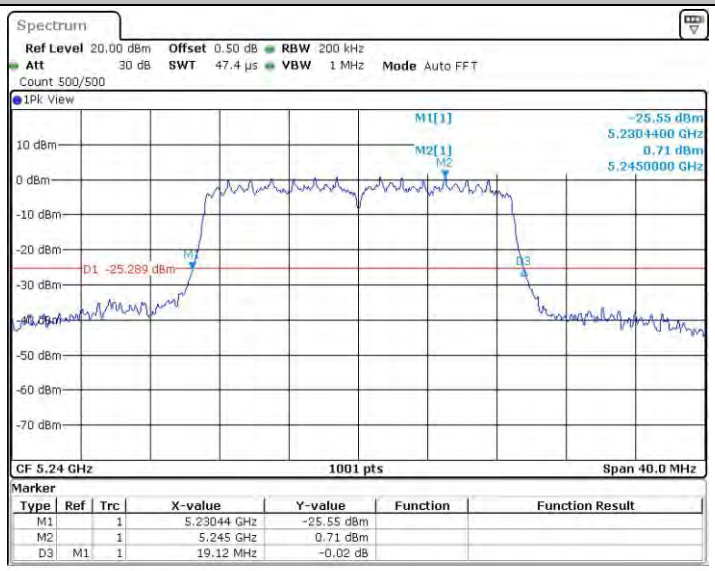

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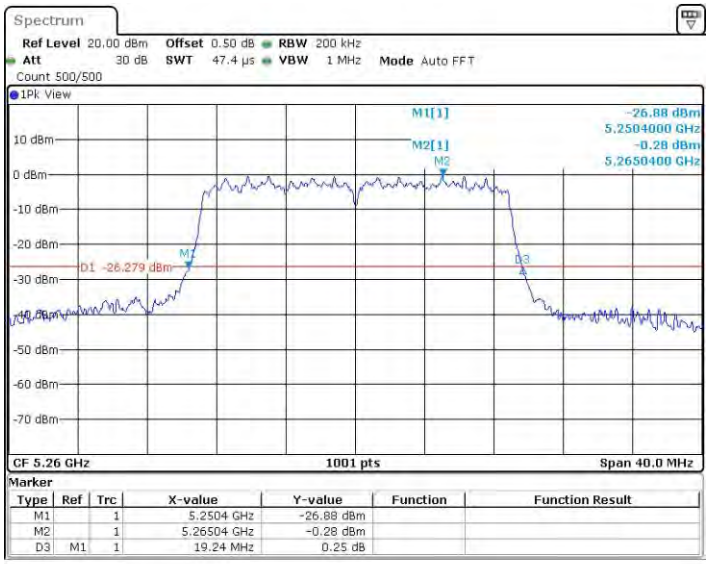

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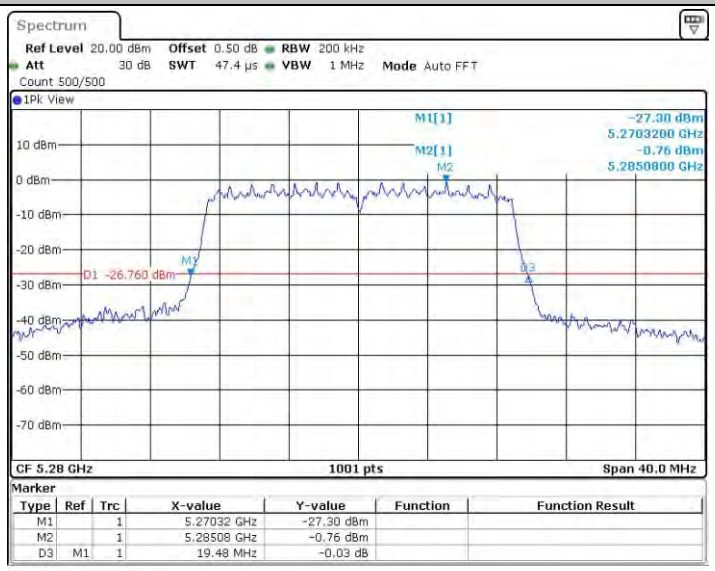

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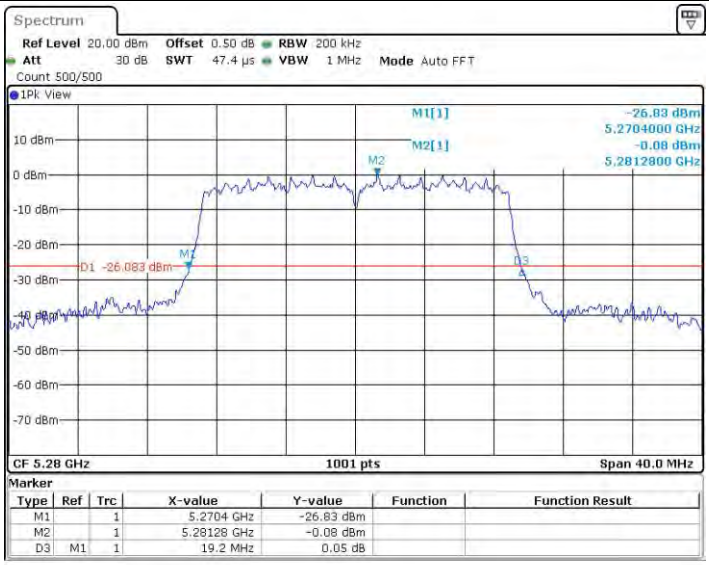

11AC20MIMO_Ant2_5280