



11A-Ant1-5785



11A-Ant1-5825



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



11N20SISO-Ant1-5240



11N20SISO-Ant1-5745



11N20SISO-Ant1-5785



11N20SISO-Ant1-5825



11N40SISO-Ant1-5190



11N40SISO-Ant1-5230



11N40SISO-Ant1-5755



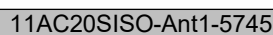
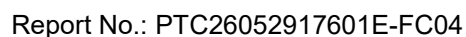
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11AC20SISO-Ant1-5180



11AC20SISO-Ant1-5200





11AC20SISO-Ant1-5785



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11AC40SISO-Ant1-5190



11AC40SISO-Ant1-5230



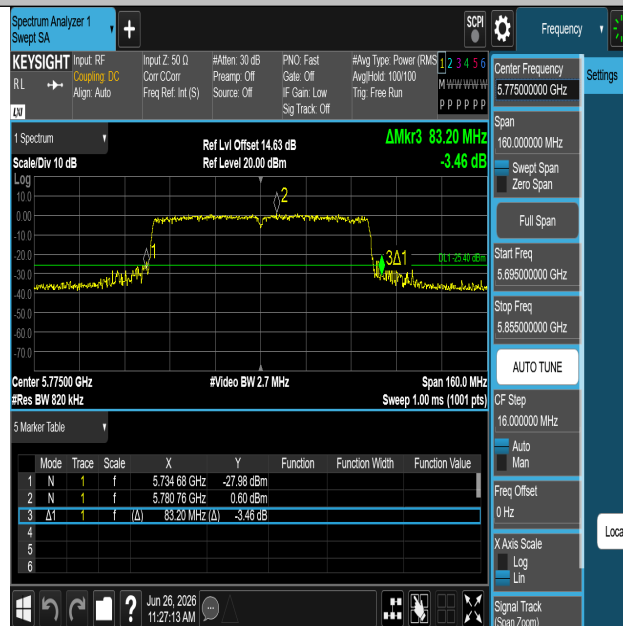
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11AC40SISO-Ant1-5795



11AC80SISO-Ant1-5210



11AC80SISO-Ant1-5775

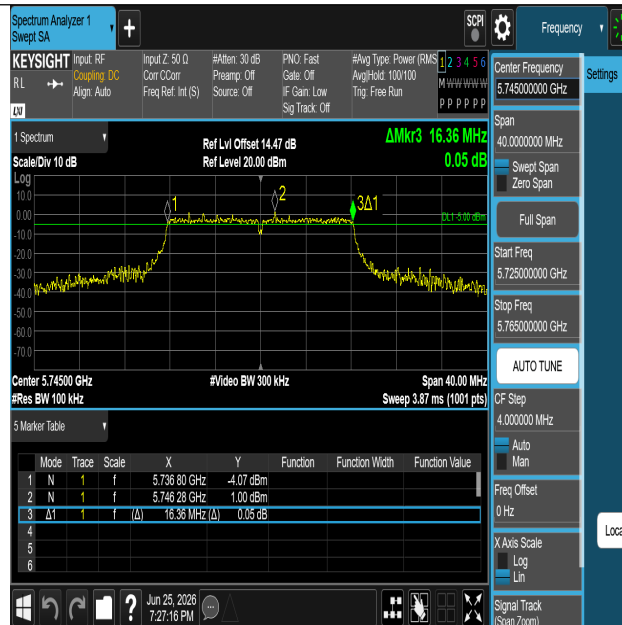


Minimum 6 dB bandwidth:

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
11A	Ant1	5785	16.320	5776.840	5793.160	0.5	PASS
11A	Ant1	5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.320	5736.400	5753.720	0.5	PASS
11N20SISO	Ant1	5785	17.280	5776.360	5793.640	0.5	PASS
11N20SISO	Ant1	5825	17.400	5816.240	5833.640	0.5	PASS
11N40SISO	Ant1	5755	35.920	5737.080	5773.000	0.5	PASS
11N40SISO	Ant1	5795	36.320	5776.760	5813.080	0.5	PASS
11N40SISO	Ant1	5745	17.040	5736.400	5753.440	0.5	PASS
11AC20SISO	Ant1	5785	17.440	5776.320	5793.760	0.5	PASS
11AC20SISO	Ant1	5825	17.240	5816.360	5833.600	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.760	5773.080	0.5	PASS
11AC40SISO	Ant1	5795	36.160	5776.760	5812.920	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS



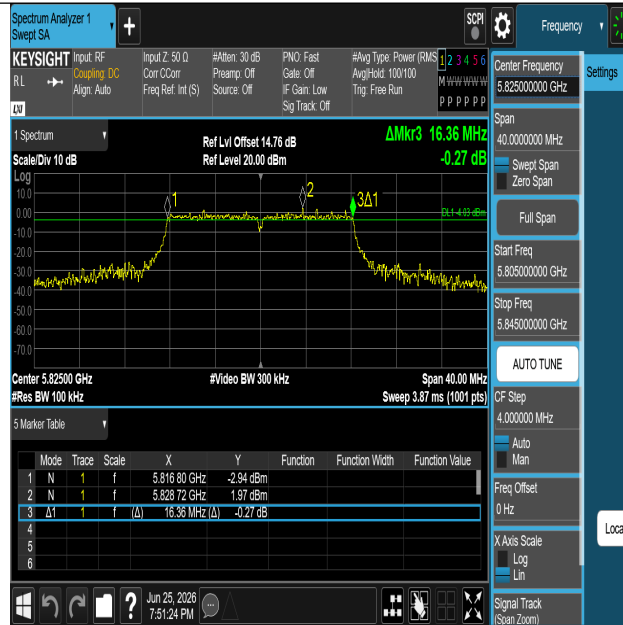
Minimum 6 dB bandwidth Test Graphs:



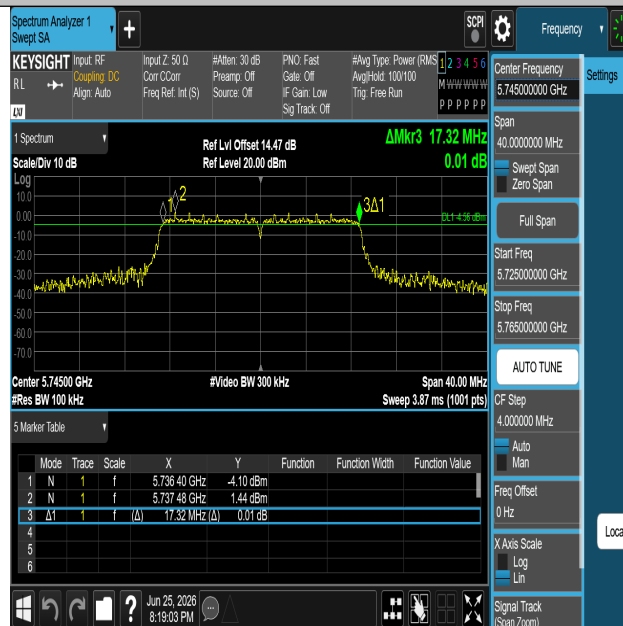
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11A-Ant1-5785-PASS



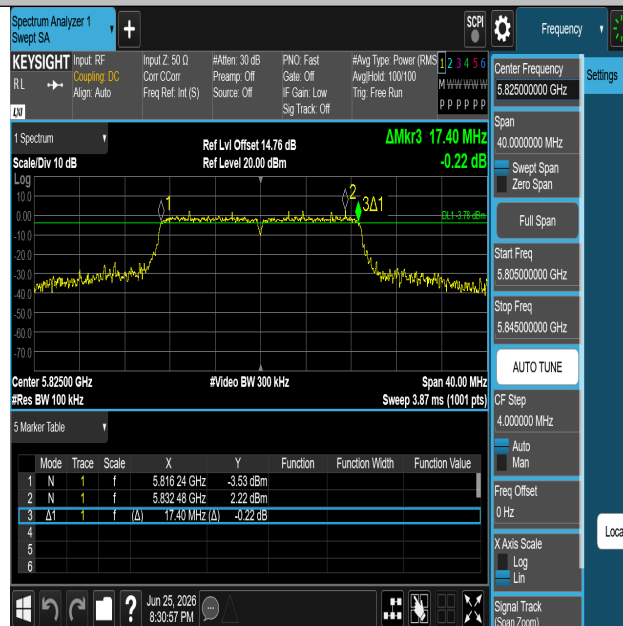
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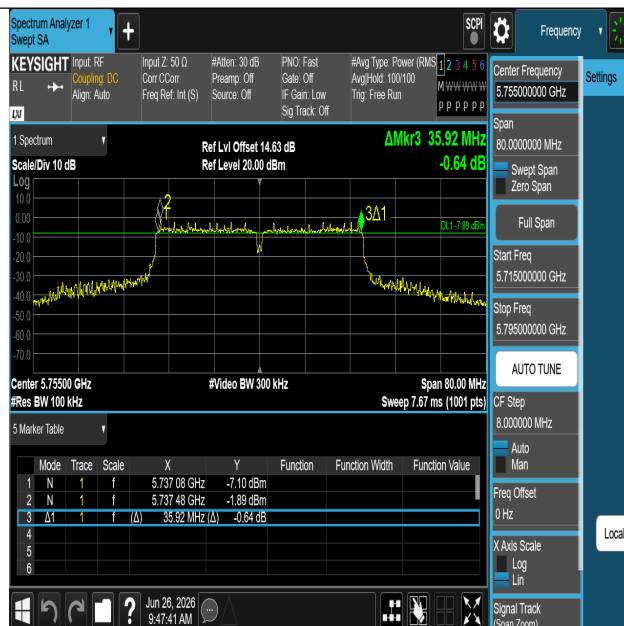
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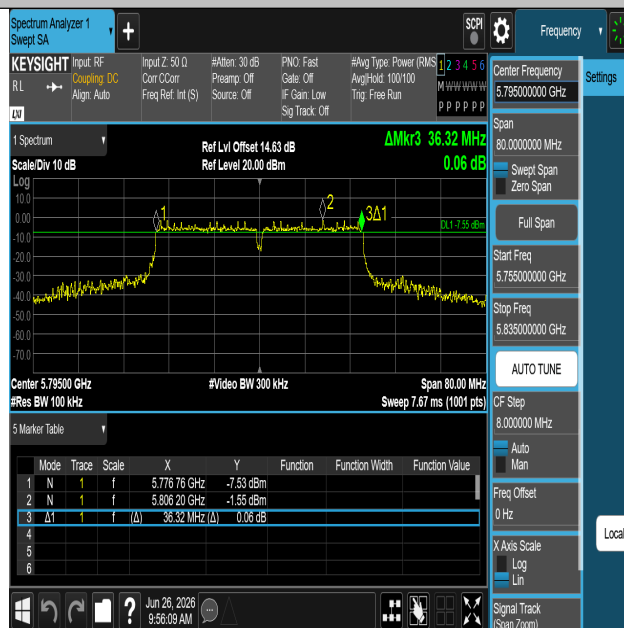
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11N20SISO-Ant1-5825-PASS



11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS



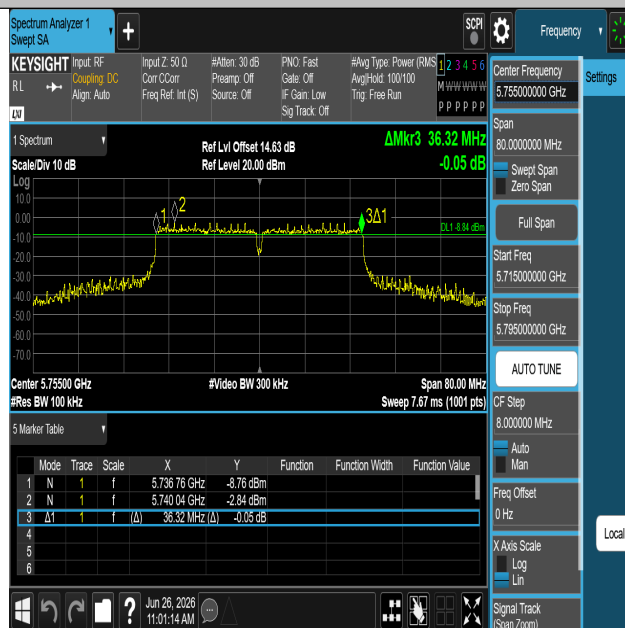
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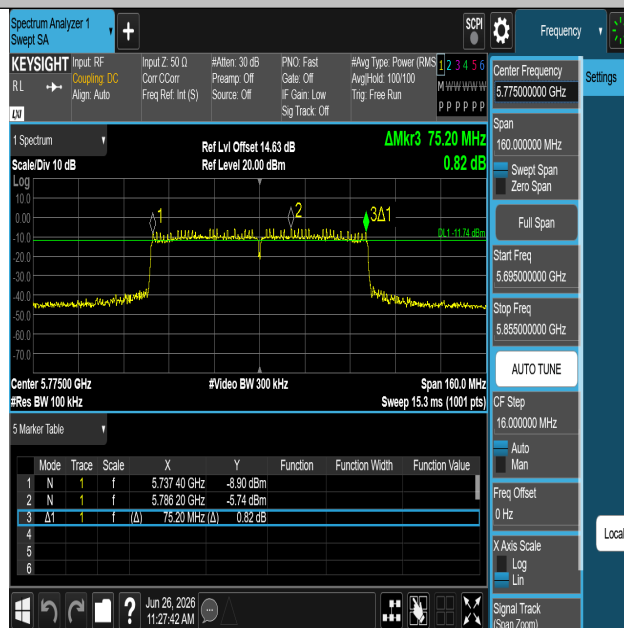
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11AC40SISO-Ant1-5755-PASS



11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5775-PASS

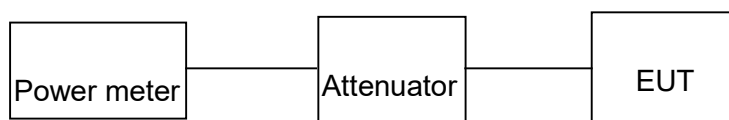


8 Maximum Conducted Output Power

Test Requirement	: FCC CFR47 Part 15 Section 15.407(a)
Test Method	: ANSI C63.10-2020
Test Limit	: For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

8.1 Test Setup



8.2 Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, The use Power Meter 1. Place the EUT on a bench and set it in transmitting mode. 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to a Power meter.



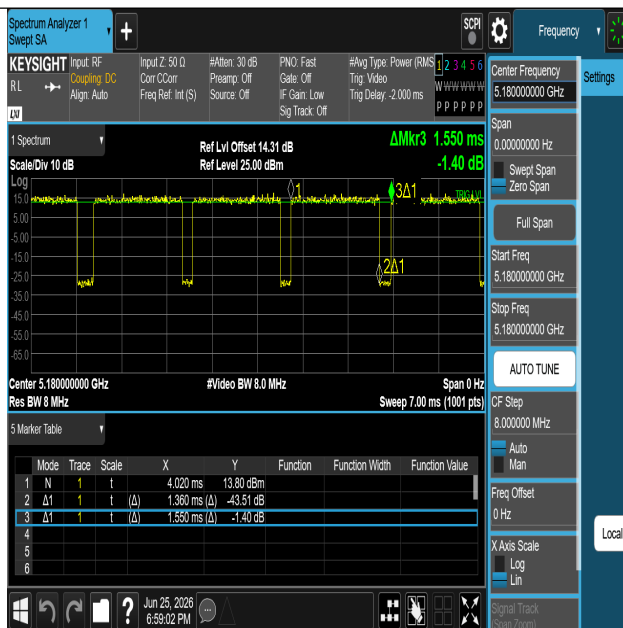
8.3 Test Result

Test Mode	Antenna	Frequency [MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	---	13.15	87.74	0.57	13.72	≤23.98	PASS
11A	Ant1	5200	---	13.14	89.47	0.48	13.62	≤23.98	PASS
11A	Ant1	5240	---	12.01	87.10	0.60	12.61	≤23.98	PASS
11A	Ant1	5745	---	12.02	88.89	0.51	12.53	≤30.00	PASS
11A	Ant1	5785	---	12.61	89.47	0.48	13.09	≤30.00	PASS
11A	Ant1	5825	---	12.95	88.96	0.51	13.46	≤30.00	PASS
11N20SISO	Ant1	5180	---	13.43	87.79	0.57	14.00	≤23.98	PASS
11N20SISO	Ant1	5200	---	13.12	86.36	0.64	13.76	≤23.98	PASS
11N20SISO	Ant1	5240	---	12.32	87.12	0.60	12.92	≤23.98	PASS
11N20SISO	Ant1	5745	---	12.03	88.46	0.53	12.56	≤30.00	PASS
11N20SISO	Ant1	5785	---	12.62	87.79	0.57	13.19	≤30.00	PASS
11N20SISO	Ant1	5825	---	12.89	87.79	0.57	13.46	≤30.00	PASS
11N40SISO	Ant1	5190	---	12.24	77.03	1.13	13.37	≤23.98	PASS
11N40SISO	Ant1	5230	---	11.55	78.08	1.07	12.62	≤23.98	PASS
11N40SISO	Ant1	5755	---	11.60	78.08	1.07	12.67	≤30.00	PASS
11N40SISO	Ant1	5795	---	11.52	78.08	1.07	12.59	≤30.00	PASS
11AC20SISO	Ant1	5180	---	13.14	87.22	0.59	13.73	≤23.98	PASS
11AC20SISO	Ant1	5200	---	13.14	87.88	0.56	13.70	≤23.98	PASS
11AC20SISO	Ant1	5240	---	12.44	87.79	0.57	13.01	≤23.98	PASS
11AC20SISO	Ant1	5745	---	12.43	87.12	0.60	13.03	≤30.00	PASS
11AC20SISO	Ant1	5785	---	12.89	85.82	0.66	13.55	≤30.00	PASS
11AC20SISO	Ant1	5825	---	13.11	87.79	0.57	13.68	≤30.00	PASS
11AC40SISO	Ant1	5190	---	11.56	78.38	1.06	12.62	≤23.98	PASS
11AC40SISO	Ant1	5230	---	10.91	77.33	1.12	12.03	≤23.98	PASS
11AC40SISO	Ant1	5755	---	10.62	78.38	1.06	11.68	≤30.00	PASS
11AC40SISO	Ant1	5795	---	10.76	76.32	1.17	11.93	≤30.00	PASS
11AC80SISO	Ant1	5210	---	9.78	64.44	1.91	11.69	≤23.98	PASS
11AC80SISO	Ant1	5775	---	9.27	65.91	1.81	11.08	≤30.00	PASS

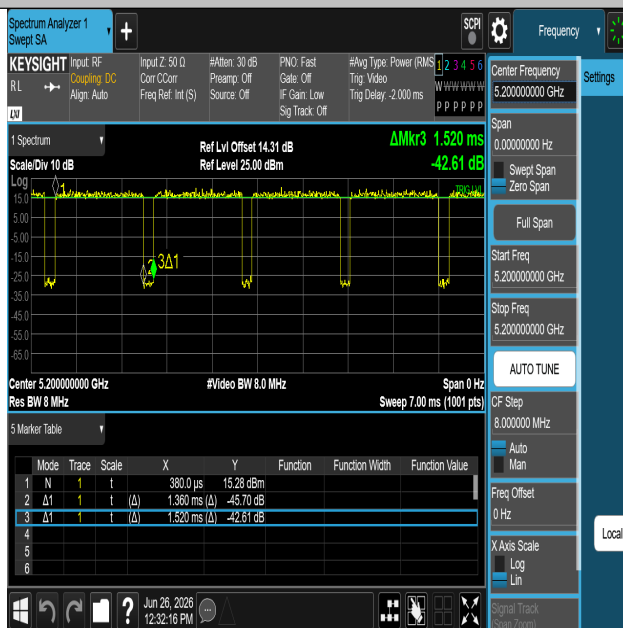


Duty Cycle

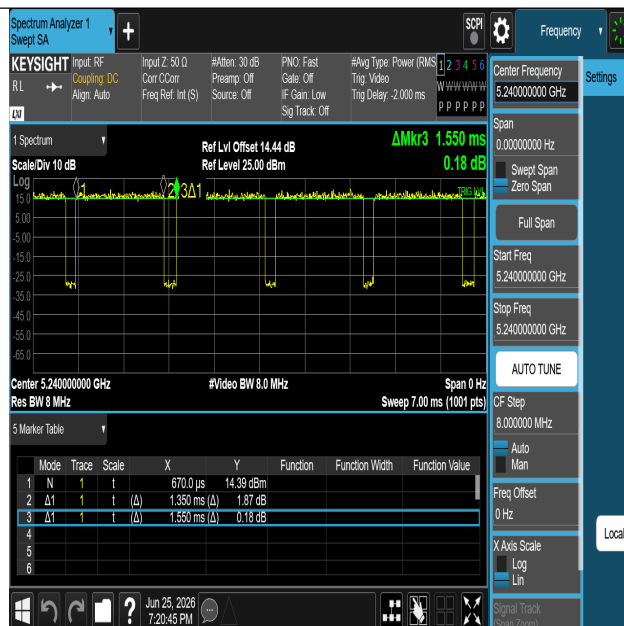
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [%]	1/T
11A	Ant1	5180	1.36	1.55	87.74	0.57	0.74
11A	Ant1	5200	1.36	1.52	89.47	0.48	0.74
11A	Ant1	5240	1.35	1.55	87.10	0.60	0.74
11A	Ant1	5745	1.36	1.53	88.89	0.51	0.74
11A	Ant1	5785	1.36	1.52	89.47	0.48	0.74
11A	Ant1	5825	1.37	1.54	88.96	0.51	0.73
11N20SISO	Ant1	5180	1.15	1.31	87.79	0.57	0.87
11N20SISO	Ant1	5200	1.14	1.32	86.36	0.64	0.88
11N20SISO	Ant1	5240	1.15	1.32	87.12	0.60	0.87
11N20SISO	Ant1	5745	1.15	1.30	88.46	0.53	0.87
11N20SISO	Ant1	5785	1.15	1.31	87.79	0.57	0.87
11N20SISO	Ant1	5825	1.15	1.31	87.79	0.57	0.87
11N40SISO	Ant1	5190	0.57	0.74	77.03	1.13	1.75
11N40SISO	Ant1	5230	0.57	0.73	78.08	1.07	1.75
11N40SISO	Ant1	5755	0.57	0.73	78.08	1.07	1.75
11N40SISO	Ant1	5795	0.57	0.73	78.08	1.07	1.75
11AC20SISO	Ant1	5180	1.16	1.33	87.22	0.59	0.86
11AC20SISO	Ant1	5200	1.16	1.32	87.88	0.56	0.86
11AC20SISO	Ant1	5240	1.15	1.31	87.79	0.57	0.87
11AC20SISO	Ant1	5745	1.15	1.32	87.12	0.60	0.87
11AC20SISO	Ant1	5785	1.15	1.34	85.82	0.66	0.87
11AC20SISO	Ant1	5825	1.15	1.31	87.79	0.57	0.87
11AC40SISO	Ant1	5190	0.58	0.74	78.38	1.06	1.72
11AC40SISO	Ant1	5230	0.58	0.75	77.33	1.12	1.72
11AC40SISO	Ant1	5755	0.58	0.74	78.38	1.06	1.72
11AC40SISO	Ant1	5795	0.58	0.76	76.32	1.17	1.72
11AC80SISO	Ant1	5210	0.29	0.45	64.44	1.91	3.45
11AC80SISO	Ant1	5775	0.29	0.44	65.91	1.81	3.45



NTNV-11A-Ant1-5180



NTNV-11A-Ant1-5200



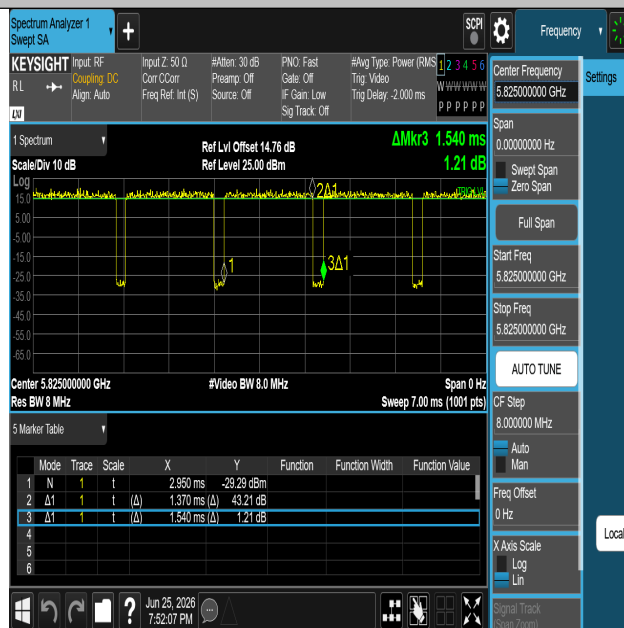
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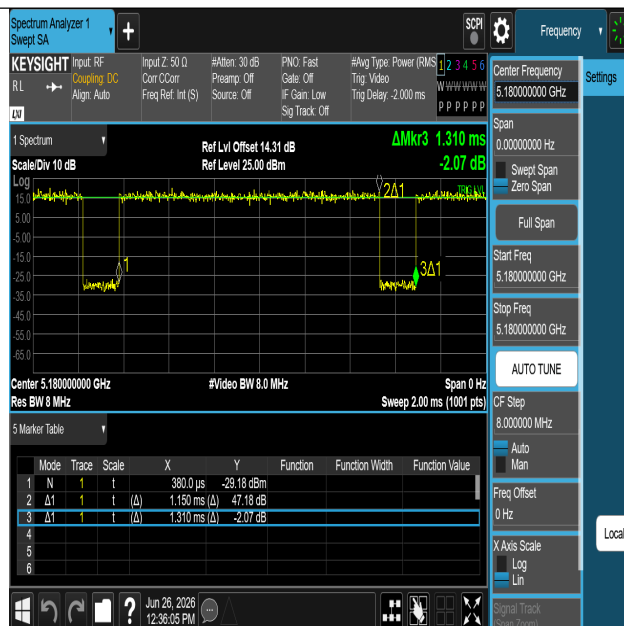
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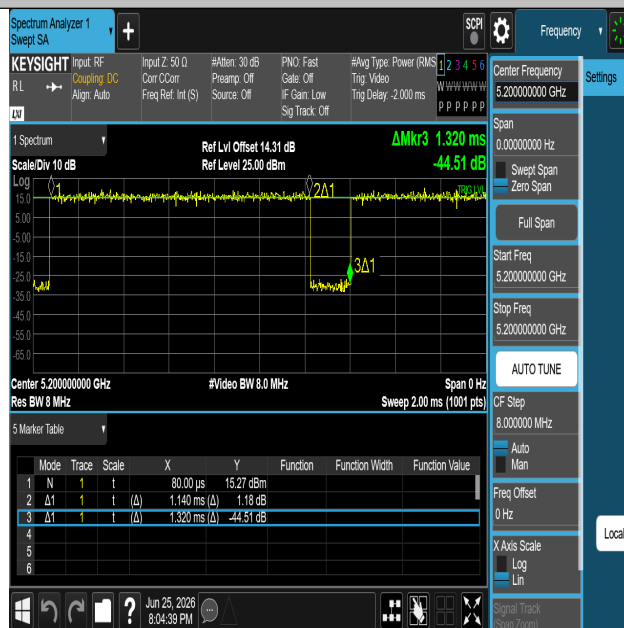
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NTNV-11A-Ant1-5825



NTNV-11N20SISO-Ant1-5180



NTNV-11N20SISO-Ant1-5200



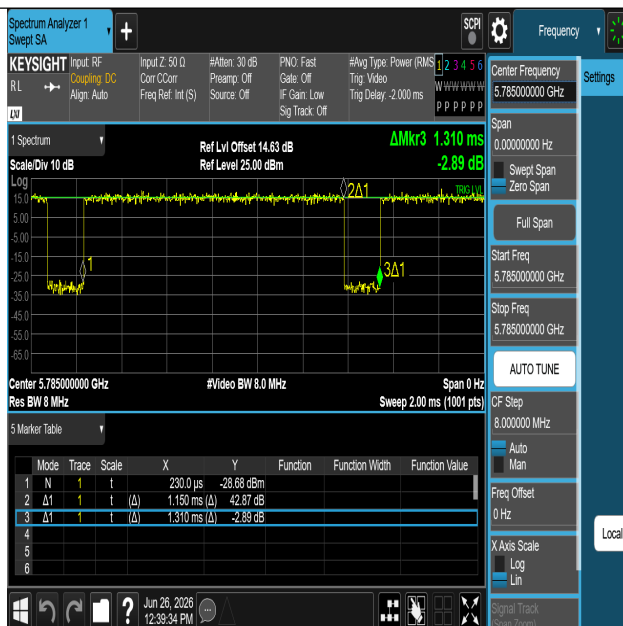
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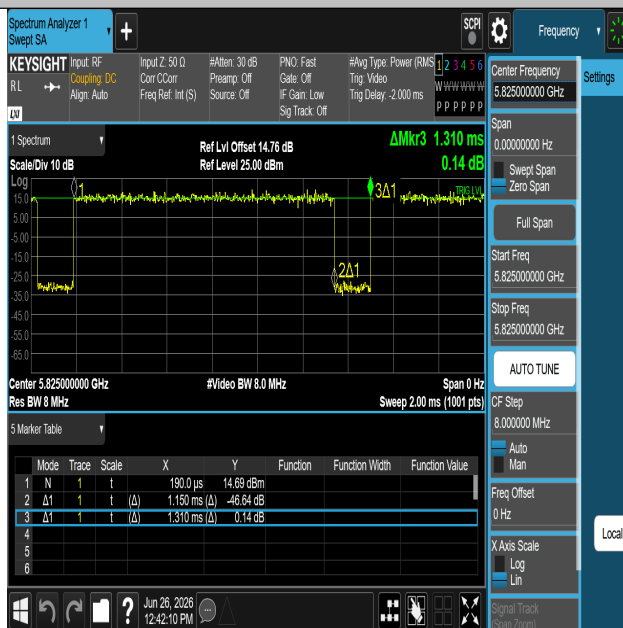
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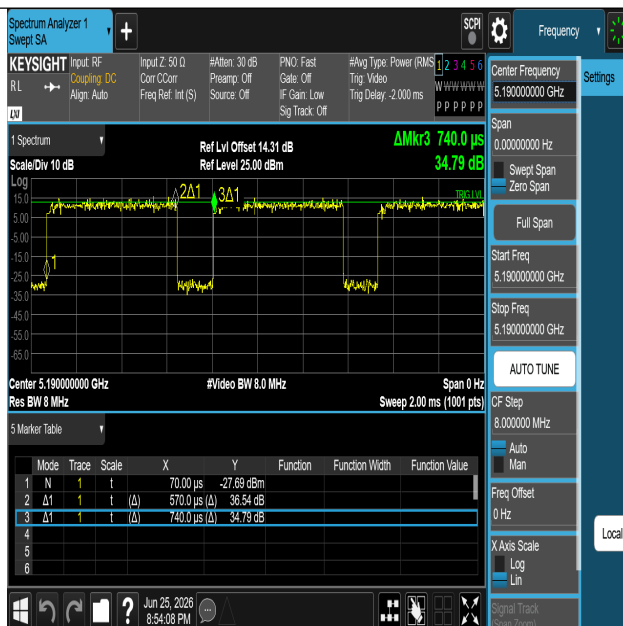
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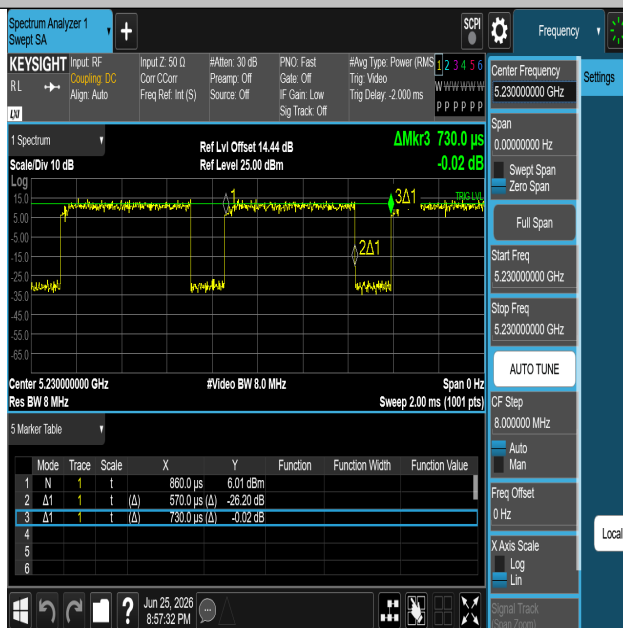
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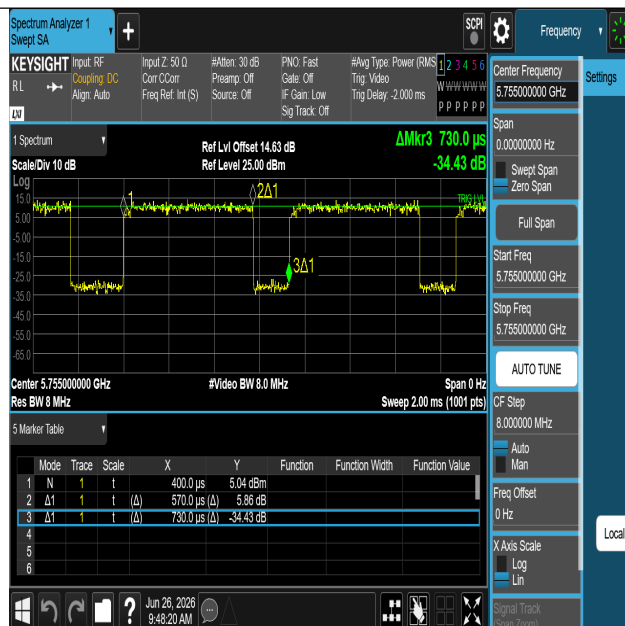
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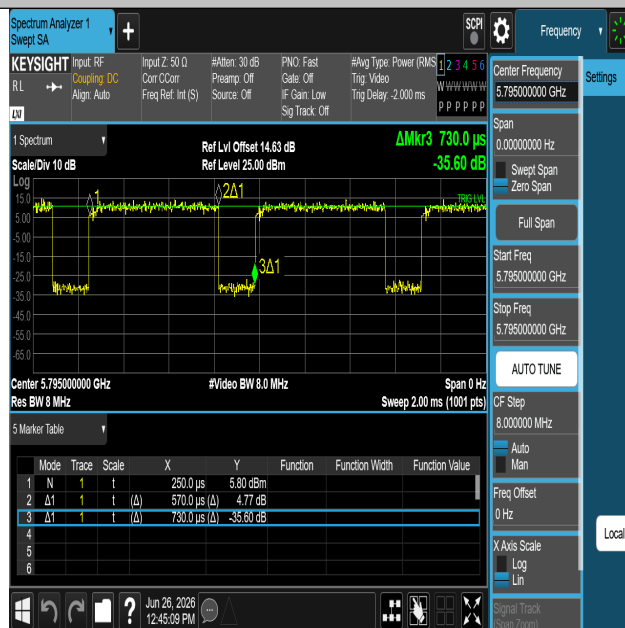
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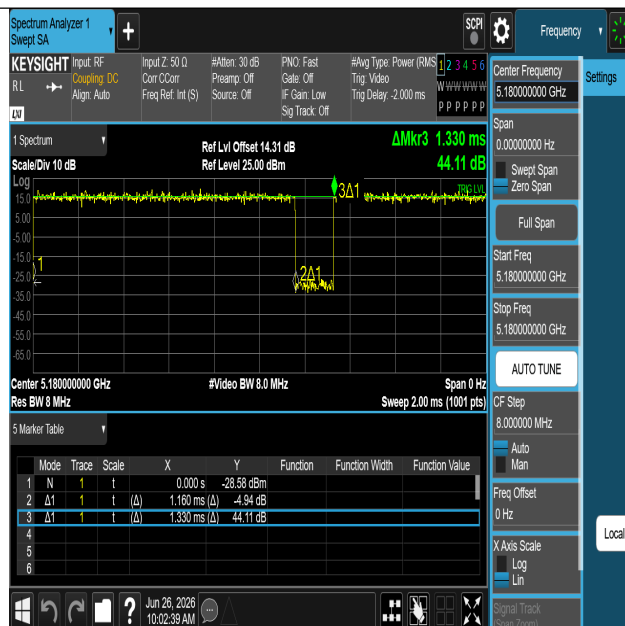
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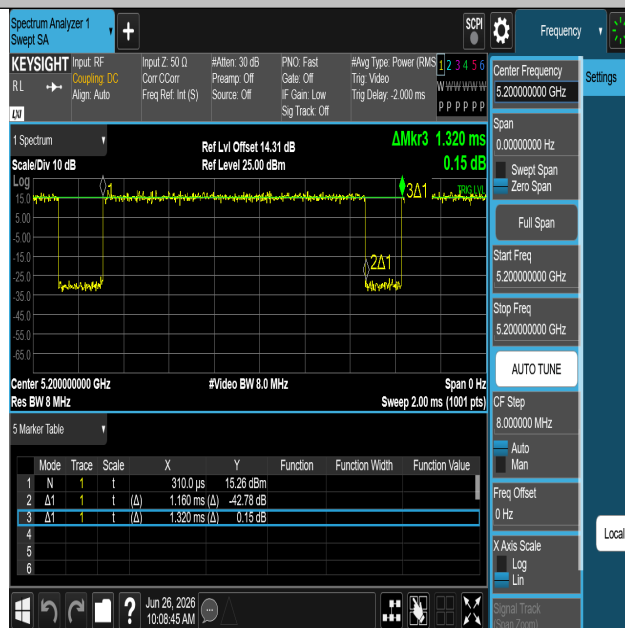
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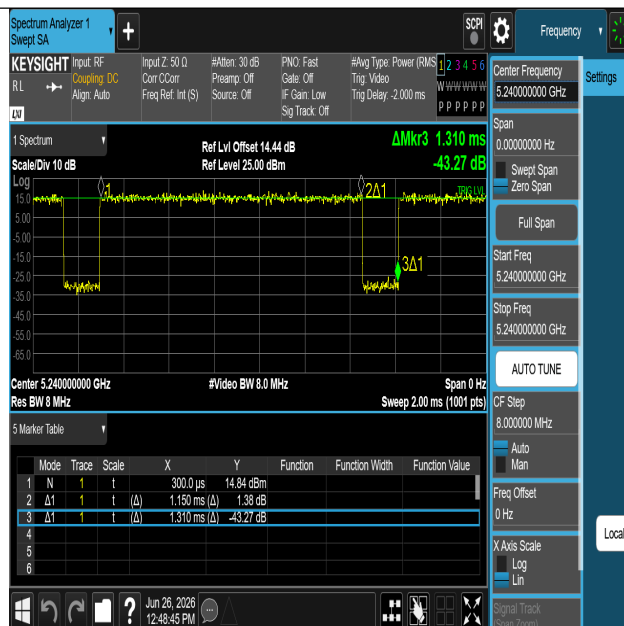
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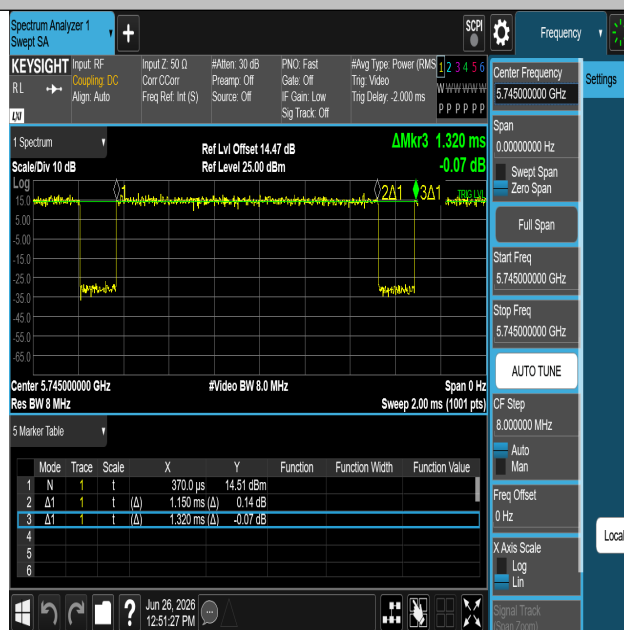
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