



11A-Ant1-5785



11A-Ant1-5825



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



11N20SISO-Ant1-5240



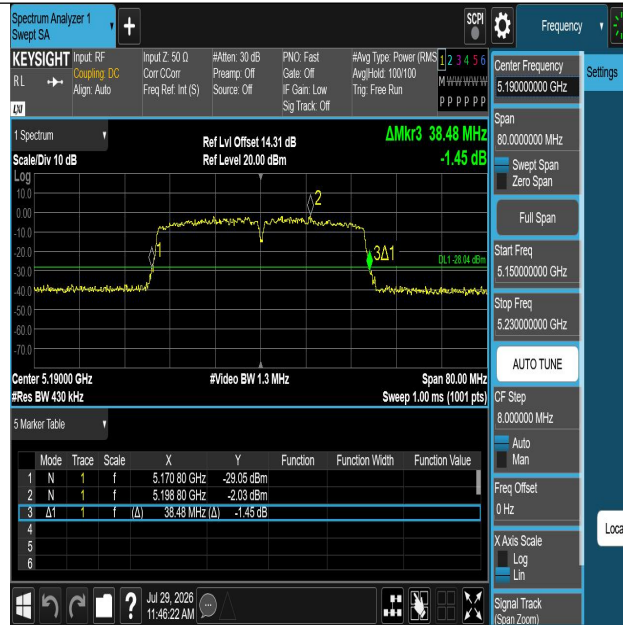
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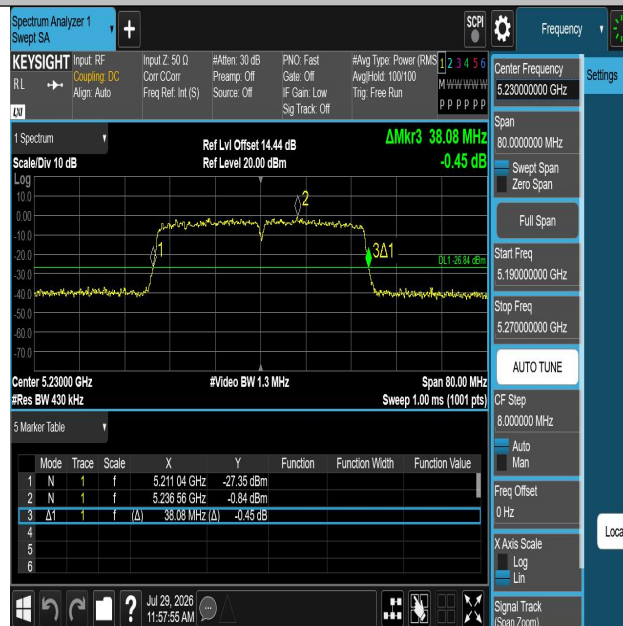
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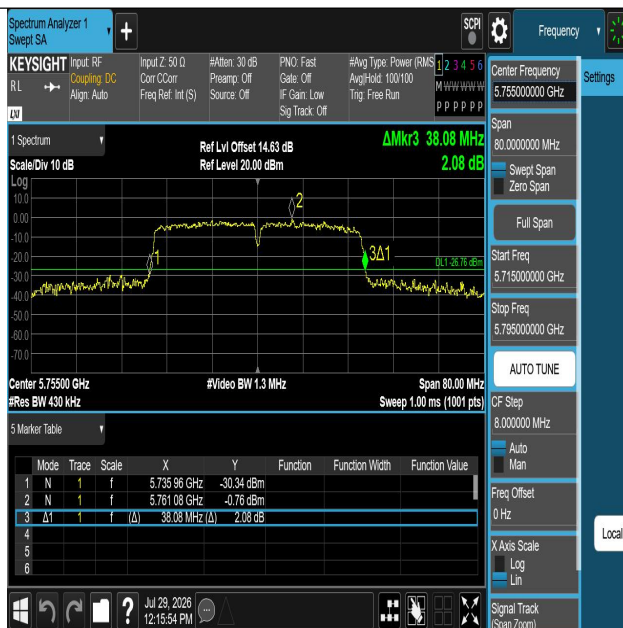
11N20SISO-Ant1-5825



11N40SISO-Ant1-5190



11N40SISO-Ant1-5230



11N40SISO-Ant1-5755



11N40SISO-Ant1-5795

**Minimum 6 dB bandwidth:**

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	14.400	5737.440	5751.840	0.5	PASS
11A	Ant1	5785	14.000	5777.880	5791.880	0.5	PASS
11A	Ant1	5825	12.600	5818.680	5831.280	0.5	PASS
11N20SISO	Ant1	5745	16.920	5736.800	5753.720	0.5	PASS
11N20SISO	Ant1	5785	16.640	5776.760	5793.400	0.5	PASS
11N20SISO	Ant1	5825	17.560	5816.160	5833.720	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
11N40SISO	Ant1	5795	35.120	5777.400	5812.520	0.5	PASS



Minimum 6 dB bandwidth Test Graphs:





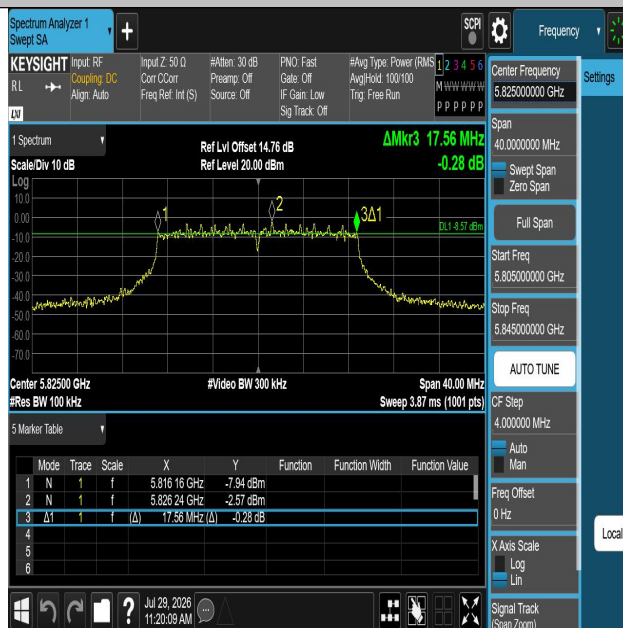
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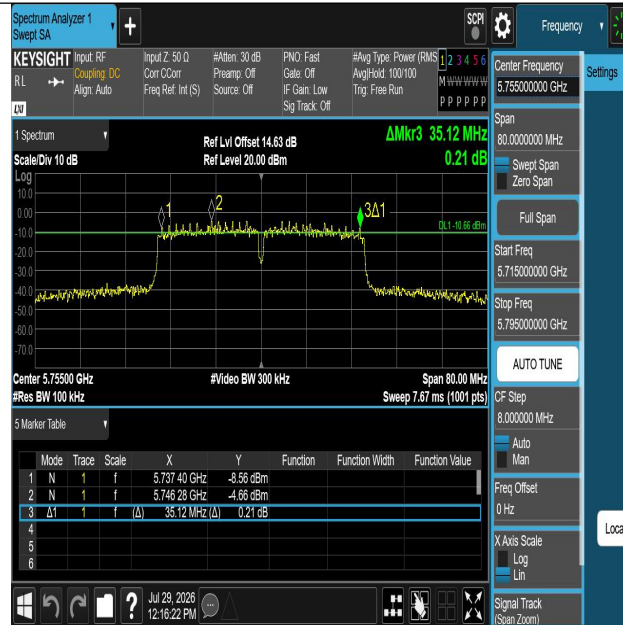
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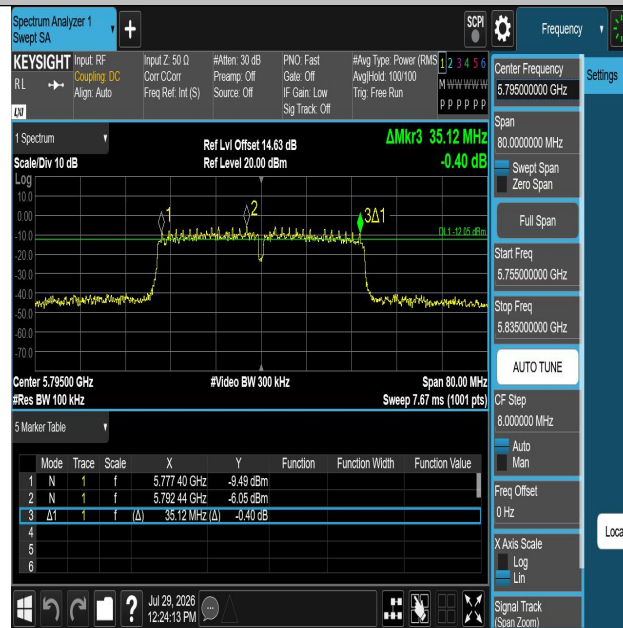
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11N20SISO-Ant1-5825-PASS



11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS

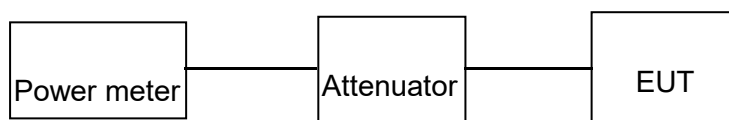


8 Maximum Conducted Output Power

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.

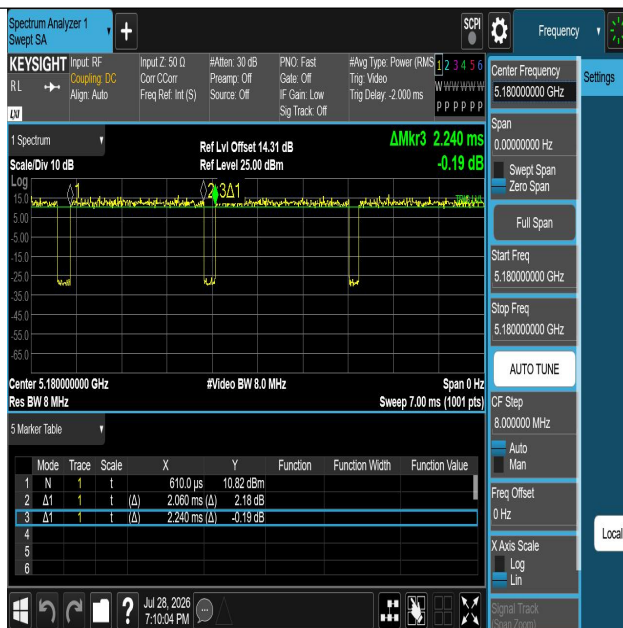


8.3 Test Result

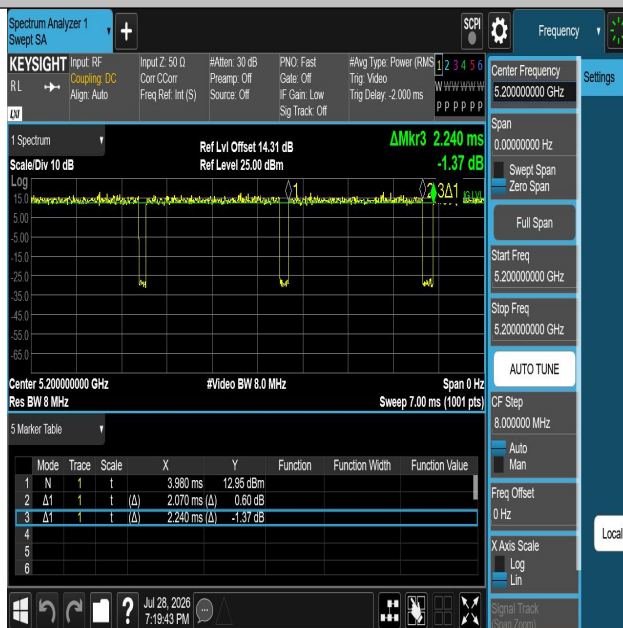
Test Mode	Antenna	Frequency[MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	---	7.21	91.96	0.36	7.57	≤23.98	PASS
11A	Ant1	5200	---	7.13	92.41	0.34	7.47	≤23.98	PASS
11A	Ant1	5240	---	7.18	91.56	0.38	7.56	≤23.98	PASS
11A	Ant1	5745	---	7.51	92.79	0.32	7.83	≤30.00	PASS
11A	Ant1	5785	---	7.40	91.19	0.40	7.80	≤30.00	PASS
11A	Ant1	5825	---	6.79	91.15	0.40	7.19	≤30.00	PASS
11N20SISO	Ant1	5180	---	4.33	52.27	2.82	7.15	≤23.98	PASS
11N20SISO	Ant1	5200	---	4.27	51.11	2.91	7.18	≤23.98	PASS
11N20SISO	Ant1	5240	---	5.02	51.11	2.91	7.93	≤23.98	PASS
11N20SISO	Ant1	5745	---	4.38	58.97	2.29	6.67	≤30.00	PASS
11N20SISO	Ant1	5785	---	3.86	58.97	2.29	6.15	≤30.00	PASS
11N20SISO	Ant1	5825	---	3.8	60.53	2.18	5.98	≤30.00	PASS
11N40SISO	Ant1	5190	---	2.94	43.33	3.63	6.57	≤23.98	PASS
11N40SISO	Ant1	5230	---	3.54	41.94	3.77	7.31	≤23.98	PASS
11N40SISO	Ant1	5755	---	3.88	41.94	3.77	7.65	≤30.00	PASS
11N40SISO	Ant1	5795	---	2.50	43.33	3.63	6.13	≤30.00	PASS

**Duty Cycle**

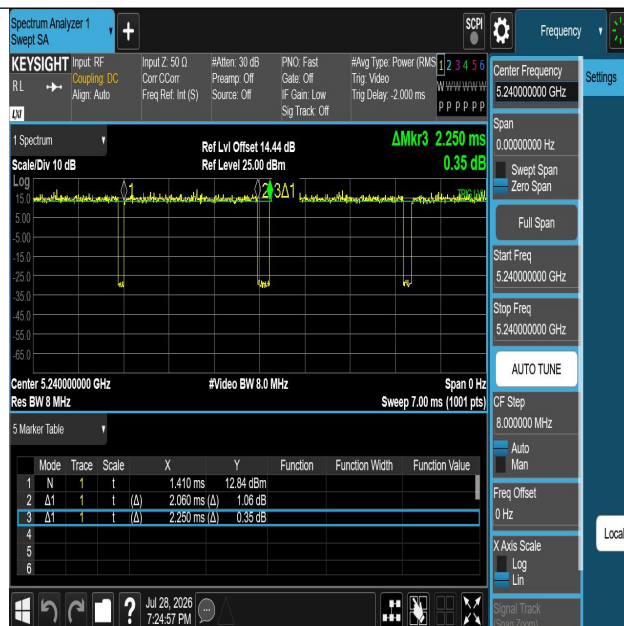
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [%]	1/T
11A	Ant1	5180	2.06	2.24	91.96	0.36	0.49
11A	Ant1	5200	2.07	2.24	92.41	0.34	0.48
11A	Ant1	5240	2.06	2.25	91.56	0.38	0.49
11A	Ant1	5745	2.06	2.22	92.79	0.32	0.49
11A	Ant1	5785	2.07	2.27	91.19	0.40	0.48
11A	Ant1	5825	2.06	2.26	91.15	0.40	0.49
11N20SISO	Ant1	5180	0.23	0.44	52.27	2.82	4.35
11N20SISO	Ant1	5200	0.23	0.45	51.11	2.91	4.35
11N20SISO	Ant1	5240	0.23	0.45	51.11	2.91	4.35
11N20SISO	Ant1	5745	0.23	0.39	58.97	2.29	4.35
11N20SISO	Ant1	5785	0.23	0.39	58.97	2.29	4.35
11N20SISO	Ant1	5825	0.23	0.38	60.53	2.18	4.35
11N40SISO	Ant1	5190	0.13	0.30	43.33	3.63	7.69
11N40SISO	Ant1	5230	0.13	0.31	41.94	3.77	7.69
11N40SISO	Ant1	5755	0.13	0.31	41.94	3.77	7.69
11N40SISO	Ant1	5795	0.13	0.30	43.33	3.63	7.69



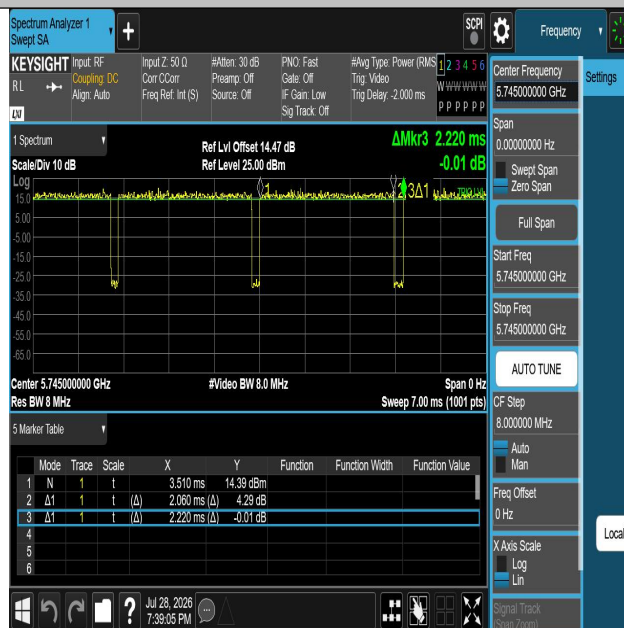
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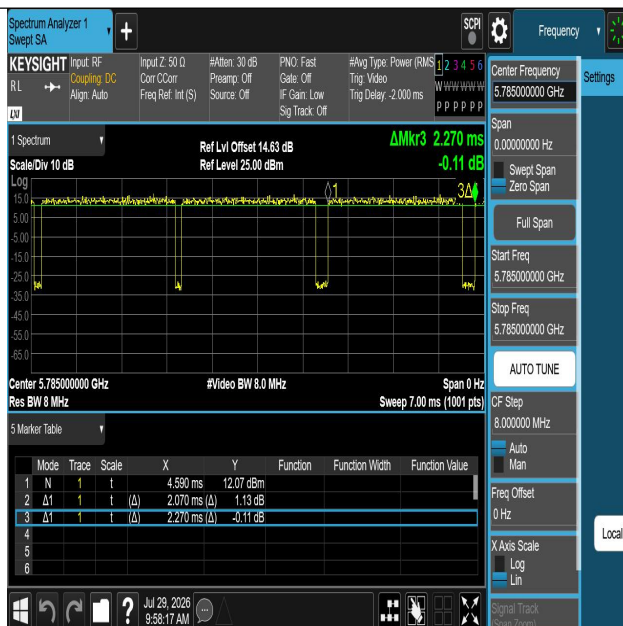
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NTNV-11A-Ant1-5240



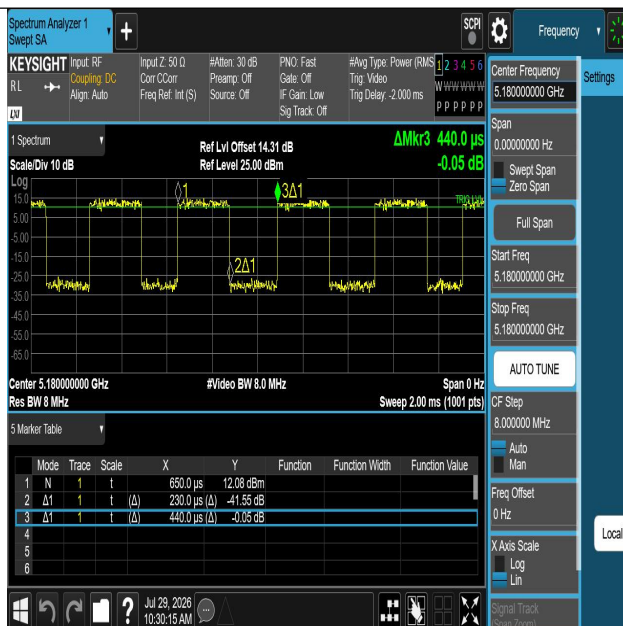
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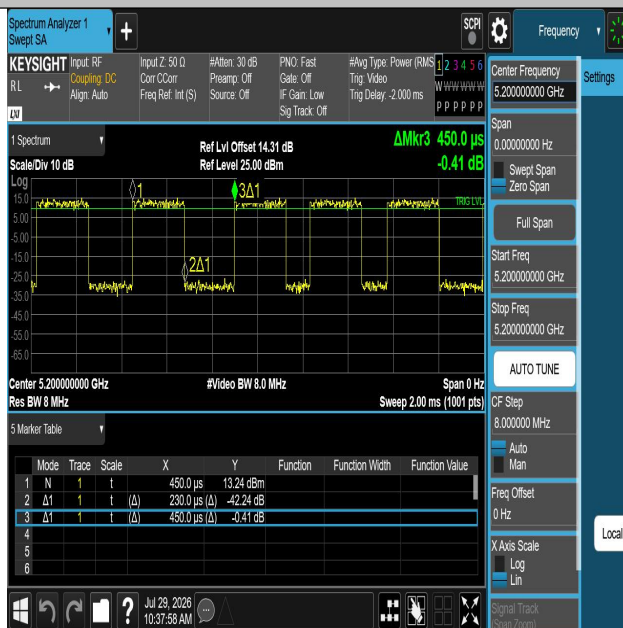
NTNV-11A-Ant1-5785



NTNV-11A-Ant1-5825



NTNV-11N20SISO-Ant1-5180



NTNV-11N20SISO-Ant1-5200