

Appendix B): Maximum Conduct Output Power

1.Duty Cycle (x)

Test Requirement KDB 789033 D02 II B 1

Test Method: KDB 789033 II B 1

Test Procedure:

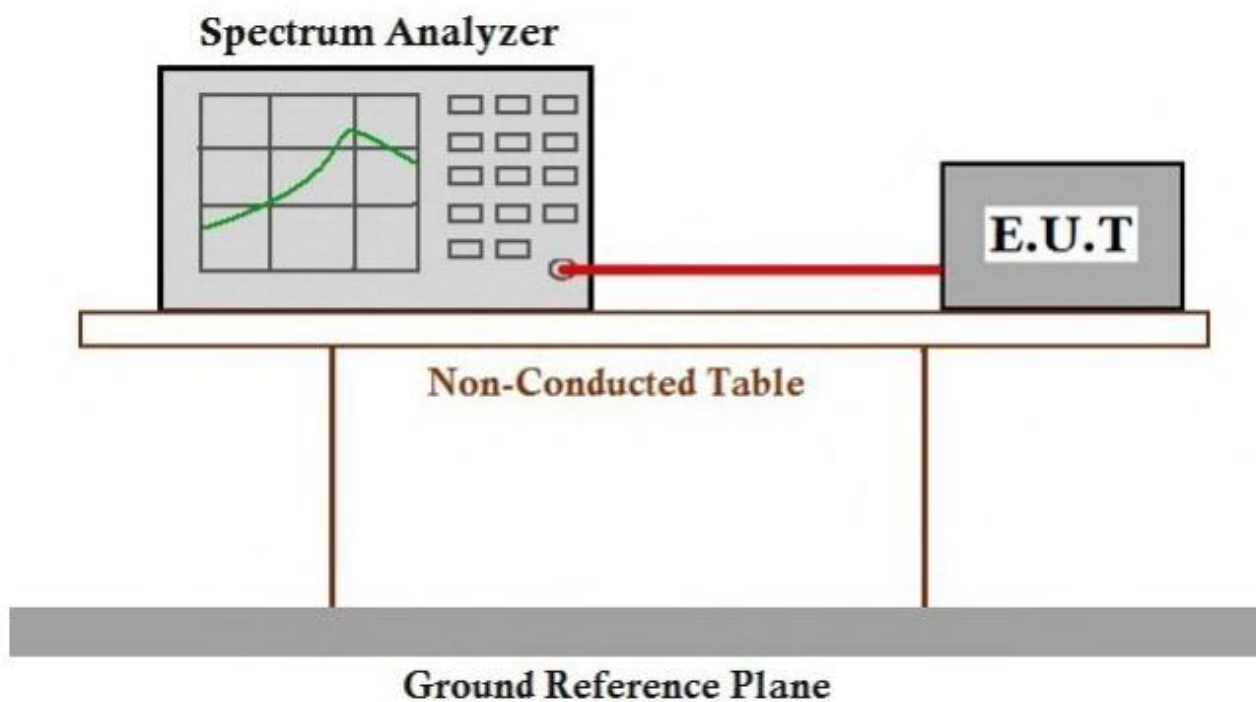
Set RBW = 20MHz

Set VBW = 40MHz

Set detector = peak.

Set span =0Hz

Test Setup Diagram



Measurement Data

Test Mode	Antenna	Duty Cycle[%]	10log(1/x) Factor[dB]
11A	Ant1	10.23	9.90
11N20	Ant1	11.24	9.49
11AC20	Ant1	97.73	0.10
11AX20	Ant1	96.15	0.17
11N40	Ant1	6.00	12.22
11AC40	Ant1	94.12	0.26
11AX40	Ant1	84.13	0.75

2. Maximum Conducted Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

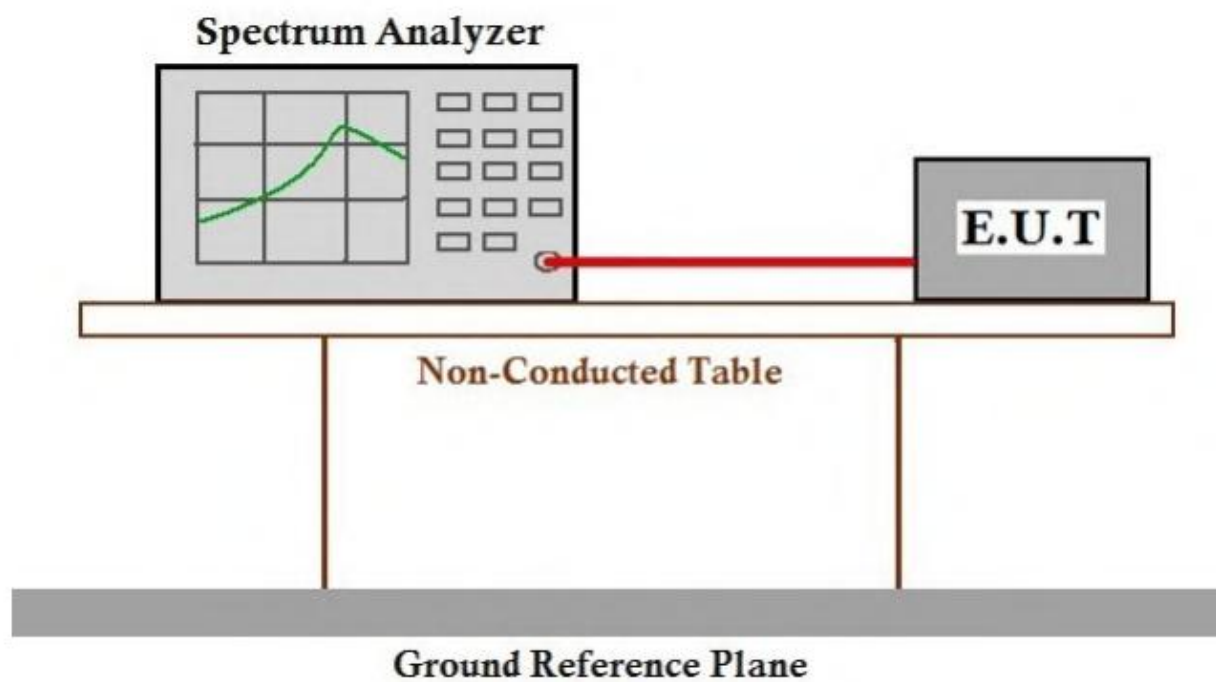
Frequency band(MHz)	Limit
5150-5250	$\leq 1\text{W}(30\text{dBm})$ for master device
	$\leq 250\text{mW}(24\text{dBm})$ for client device
5250-5350	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5470-5725	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5725-5850	$\leq 1\text{W}(30\text{dBm})$
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

Test Procedure:

Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- (1) Set RBW = 1 MHz.
- (2) Set VBW ≥ 3 MHz.
- (3) Detector = power average
- (4) Sweep time = auto.
- (5) Add duty cycle to the measured average power.

Test Setup Diagram



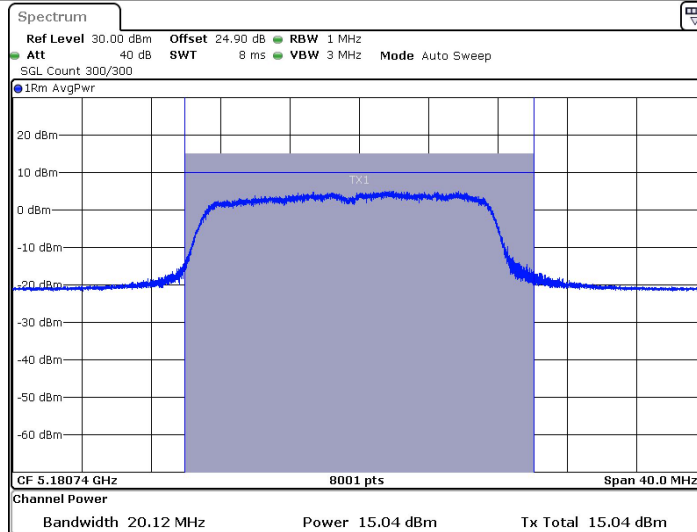
Measurement Data

Test Mode	Antenna	Freq(MHz)	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	15.04	≤23.98	PASS
		5200	13.78	≤23.98	PASS
		5240	13.64	≤23.98	PASS
		5260	13.67	≤23.98	PASS
		5280	10.11	≤23.98	PASS
		5320	13.52	≤23.98	PASS
		5500	12.72	≤23.98	PASS
		5580	10.38	≤23.98	PASS
		5720_UNII-2C	7.50	≤22.84	PASS
		5720_UNII-3	-5.55	≤30.00	PASS
		5745	10.45	≤30.00	PASS
		5785	11.31	≤30.00	PASS
		5825	7.08	≤30.00	PASS
11N20SISO	Ant1	5180	14.09	≤23.98	PASS
		5200	13.58	≤23.98	PASS
		5240	13.49	≤23.98	PASS
		5260	13.43	≤23.98	PASS
		5280	9.81	≤23.98	PASS
		5320	13.27	≤23.98	PASS
		5500	12.39	≤23.98	PASS
		5580	10.13	≤23.98	PASS
		5720_UNII-2C	7.17	≤23.04	PASS
		5720_UNII-3	-5.67	≤30.00	PASS
		5745	9.93	≤30.00	PASS
		5785	10.67	≤30.00	PASS
		5825	6.49	≤30.00	PASS
11N40SISO	Ant1	5190	14.01	≤23.98	PASS
		5230	12.28	≤23.98	PASS
		5270	3.53	≤23.98	PASS
		5310	4.32	≤23.98	PASS

			5510	4.26	≤23.98	PASS
			5550	3.44	≤23.98	PASS
			5670	3.36	≤23.98	PASS
			5710_UNII-2C	3.96	≤23.98	PASS
			5710_UNII-3	-13.50	≤30.00	PASS
			5755	-2.49	≤30.00	PASS
			5795	3.36	≤30.00	PASS
	11AC20SIS O	Ant1	5180	6.12	≤23.98	PASS
			5200	5.43	≤23.98	PASS
			5240	5.18	≤23.98	PASS
			5260	5.40	≤23.98	PASS
			5280	1.69	≤23.98	PASS
			5320	5.46	≤23.98	PASS
			5500	4.16	≤23.98	PASS
			5580	2.01	≤23.98	PASS
			5720_UNII-2C	-1.23	≤23.21	PASS
			5720_UNII-3	-4.93	≤30.00	PASS
			5745	1.75	≤30.00	PASS
			5785	2.72	≤30.00	PASS
			5825	2.93	≤30.00	PASS
	11AC40SIS O	Ant1	5190	5.95	≤23.98	PASS
			5230	4.01	≤23.98	PASS
			5270	3.77	≤23.98	PASS
			5310	3.68	≤23.98	PASS
			5510	4.21	≤23.98	PASS
			5550	3.41	≤23.98	PASS
			5670	1.02	≤23.98	PASS
			5710_UNII-2C	3.86	≤23.98	PASS
			5710_UNII-3	-13.54	≤30.00	PASS
			5755	0.14	≤30.00	PASS
			5795	2.14	≤30.00	PASS

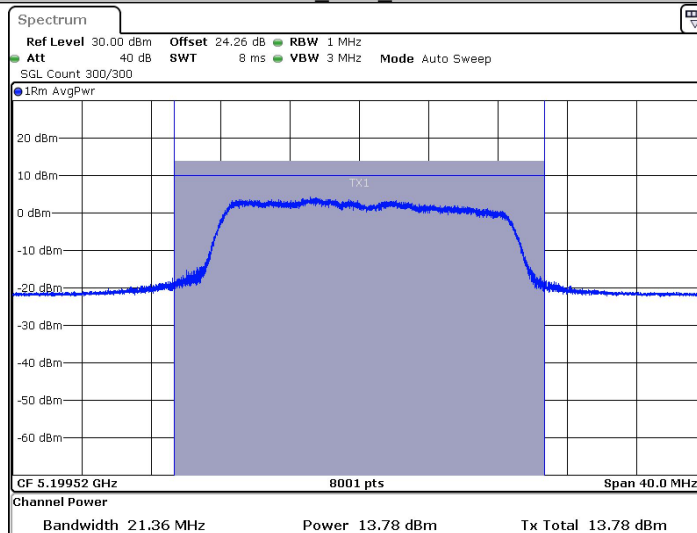
	11AX20SIS O	Ant1	5180	13.90	≤ 23.98	PASS
			5200	13.42	≤ 23.98	PASS
			5240	12.93	≤ 23.98	PASS
			5260	12.90	≤ 23.98	PASS
			5280	9.26	≤ 23.98	PASS
			5320	12.74	≤ 23.98	PASS
			5500	12.26	≤ 23.98	PASS
			5580	9.83	≤ 23.98	PASS
			5720_UNII-2C	6.97	≤ 23.07	PASS
			5720_UNII-3	3.55	≤ 30.00	PASS
			5745	9.76	≤ 30.00	PASS
			5785	4.53	≤ 30.00	PASS
			5825	5.52	≤ 30.00	PASS
	11AX40SIS O	Ant1	5190	10.12	≤ 23.98	PASS
			5230	8.27	≤ 23.98	PASS
			5270	7.58	≤ 23.98	PASS
			5310	8.20	≤ 23.98	PASS
			5510	6.62	≤ 23.98	PASS
			5550	6.83	≤ 23.98	PASS
			5670	3.85	≤ 23.98	PASS
			5710_UNII-2C	4.29	≤ 23.98	PASS
			5710_UNII-3	-13.33	≤ 30.00	PASS
			5755	0.43	≤ 30.00	PASS
			5795	3.03	≤ 30.00	PASS

11A_Ant1_5180



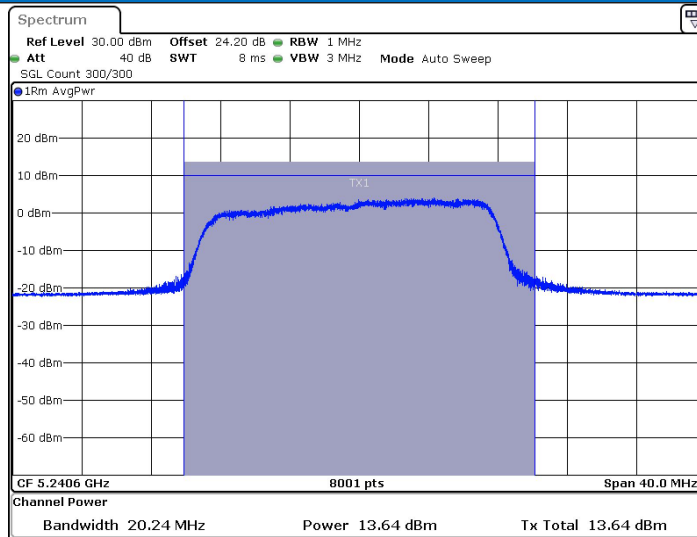
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11A_Ant1_5200



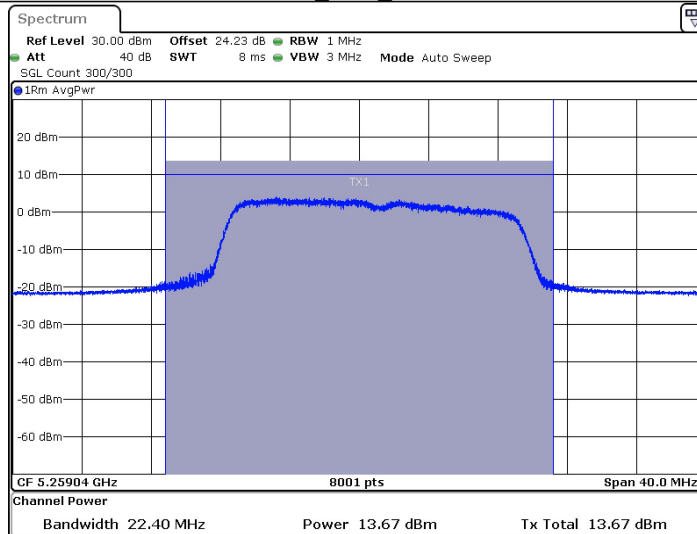
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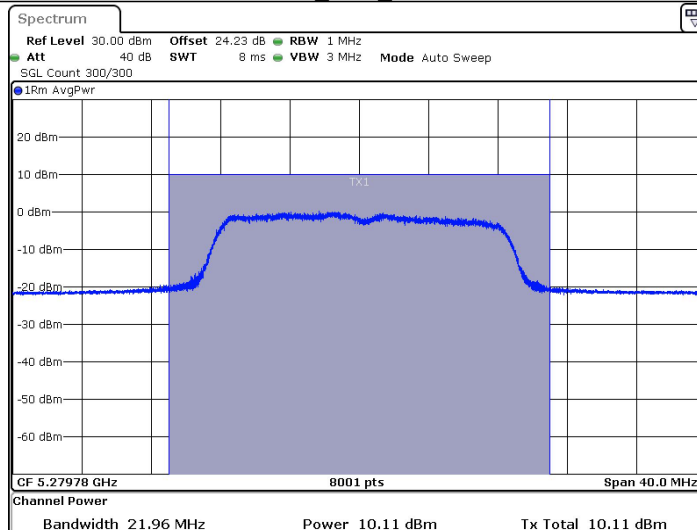
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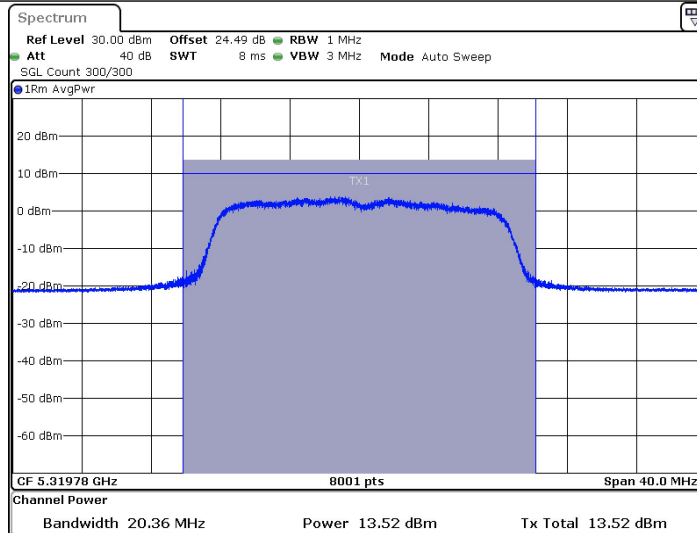
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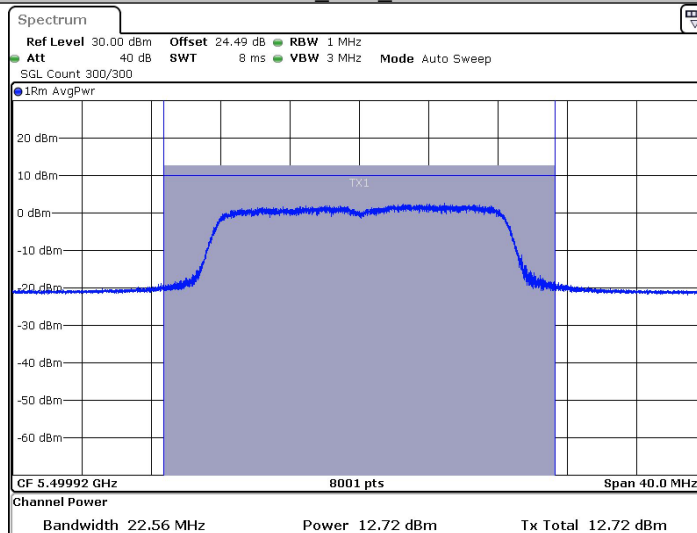
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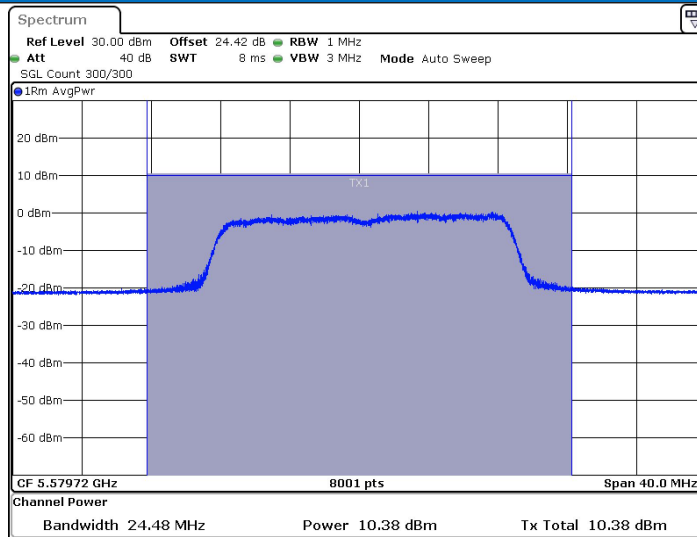
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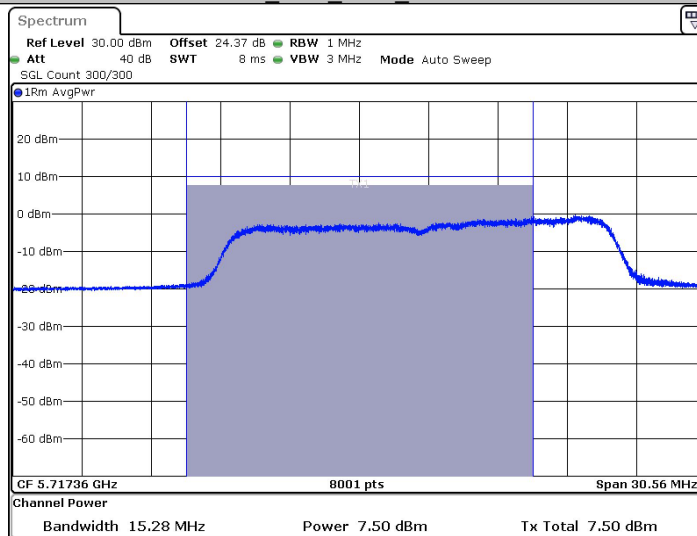
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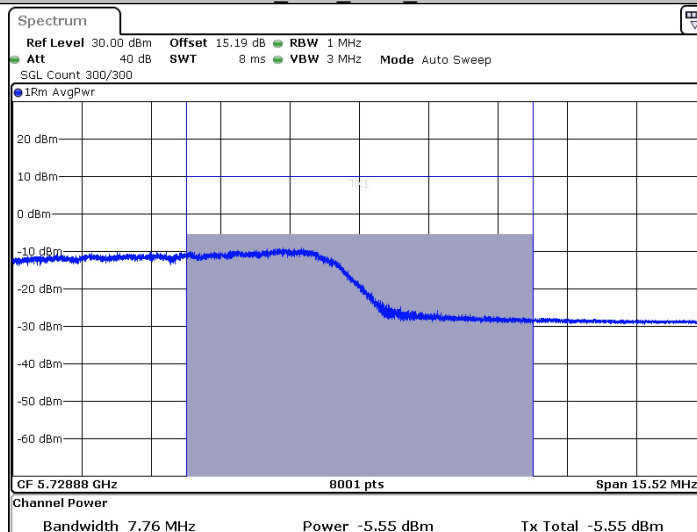
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11A_Ant1_5720_UNII-2C



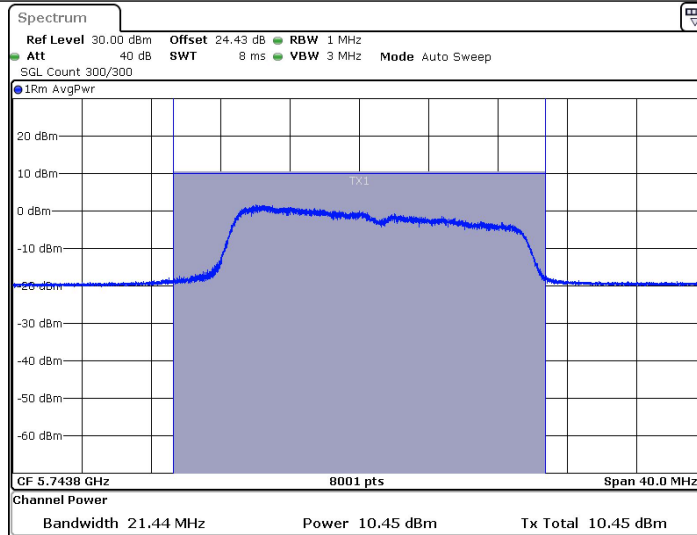
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11A_Ant1_5720_UNII-3



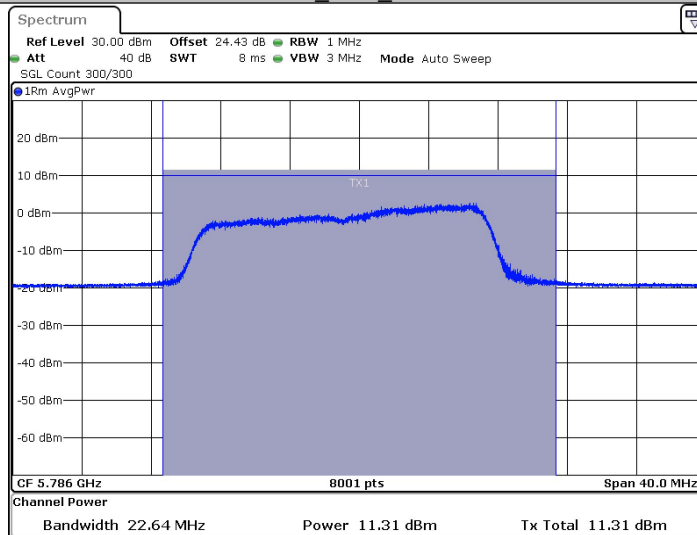
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11A_Ant1_5745



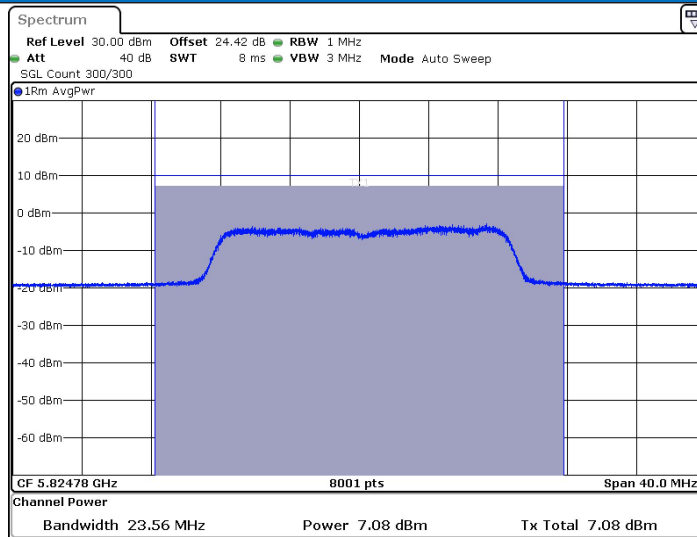
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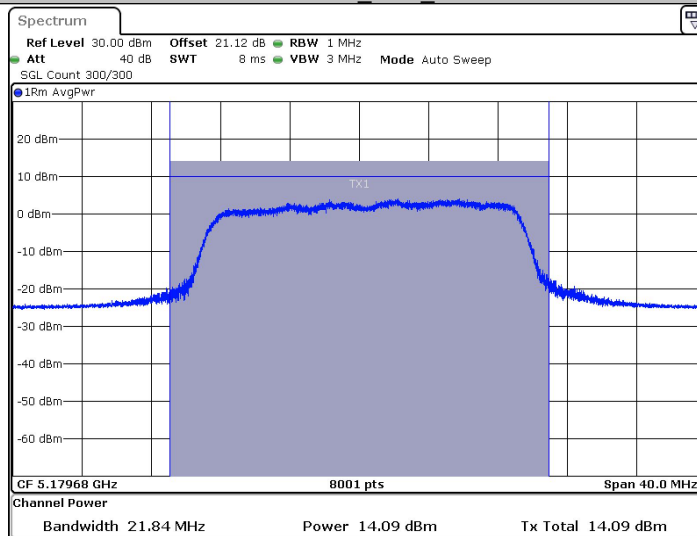
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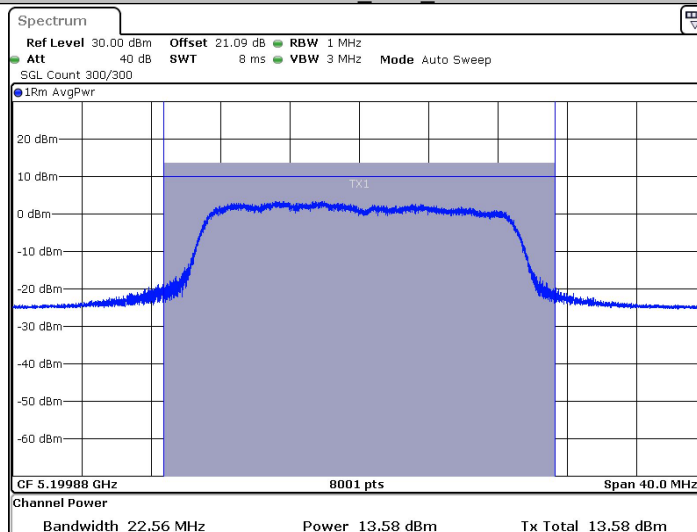
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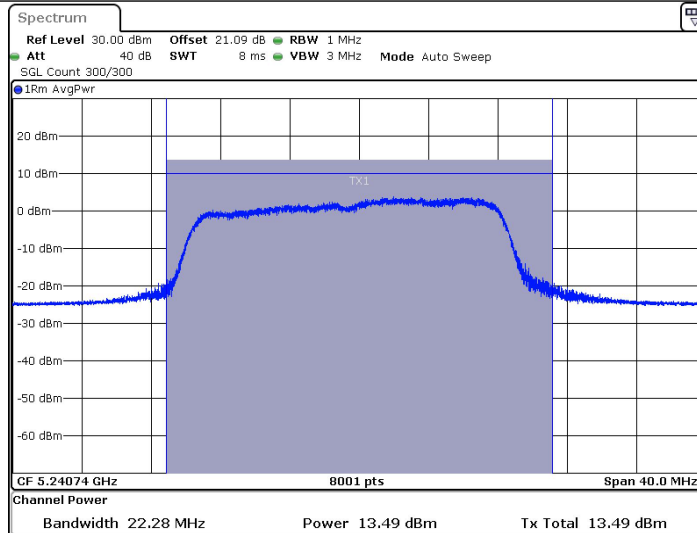
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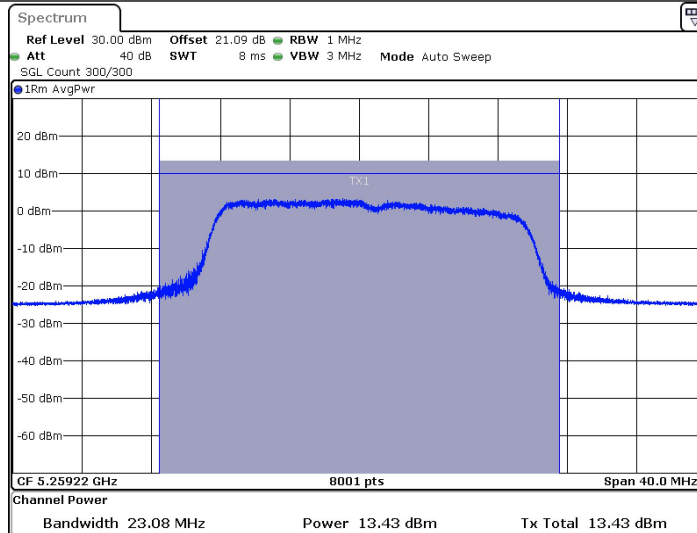
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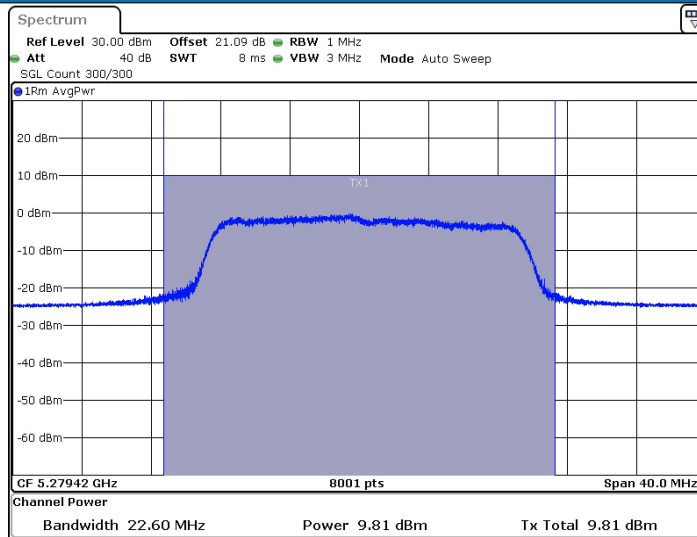
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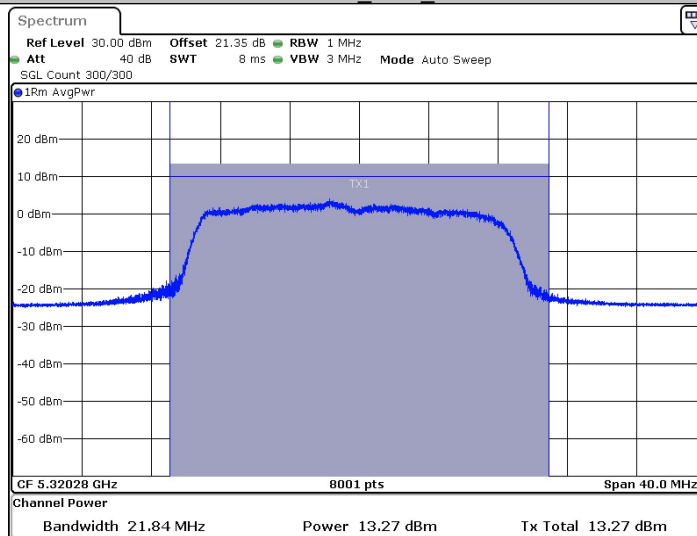
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11N20SISO_Ant1_5280



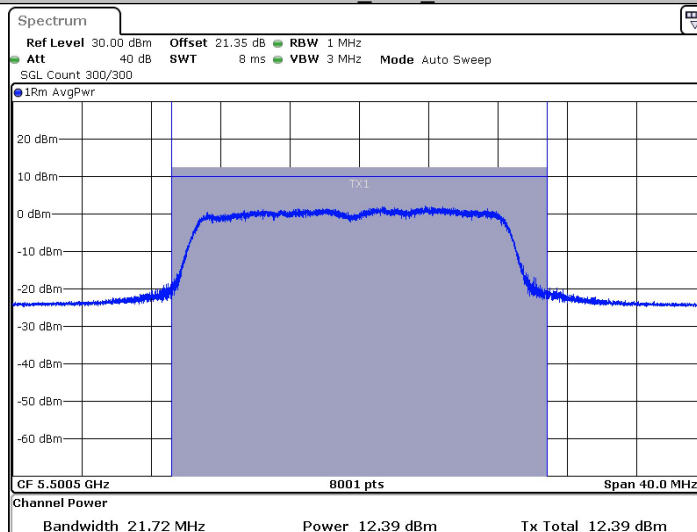
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11N20SISO_Ant1_5320



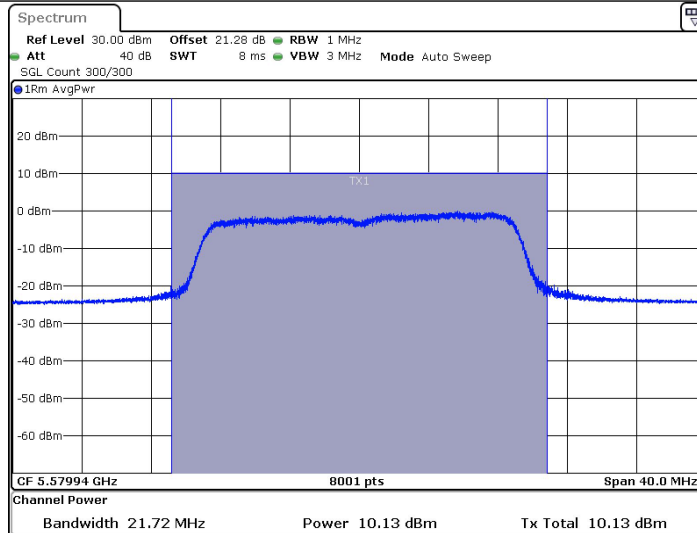
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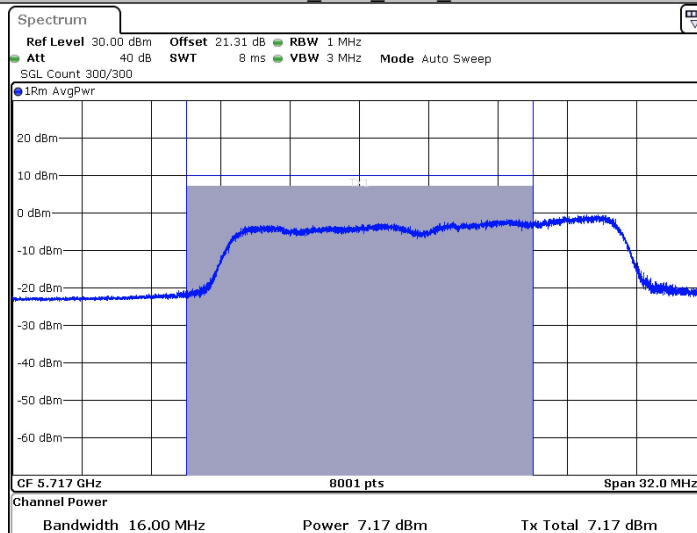
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11N20SISO_Ant1_5580



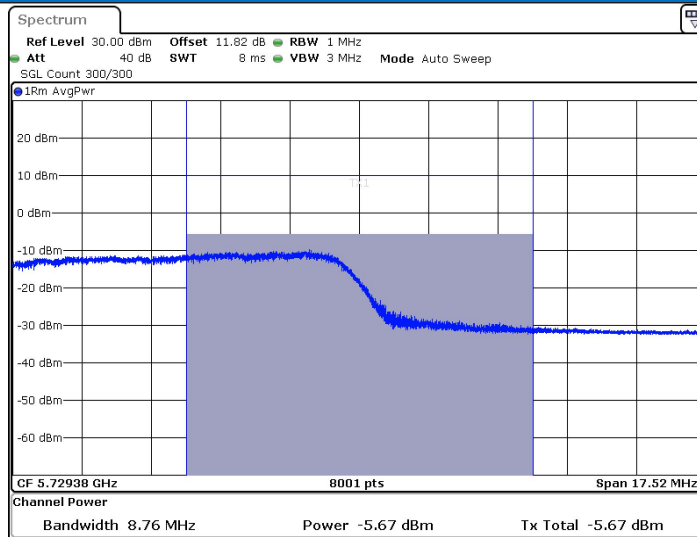
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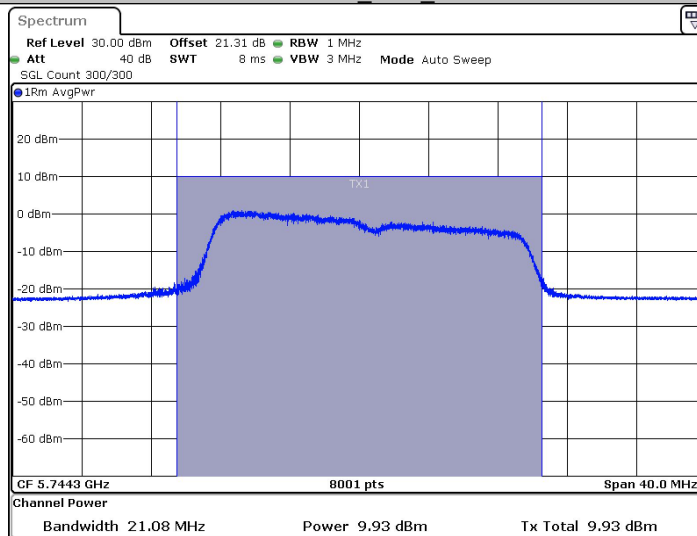
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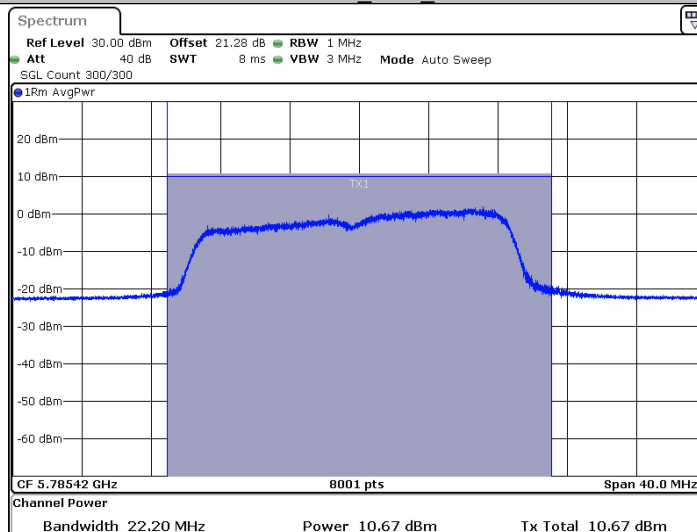
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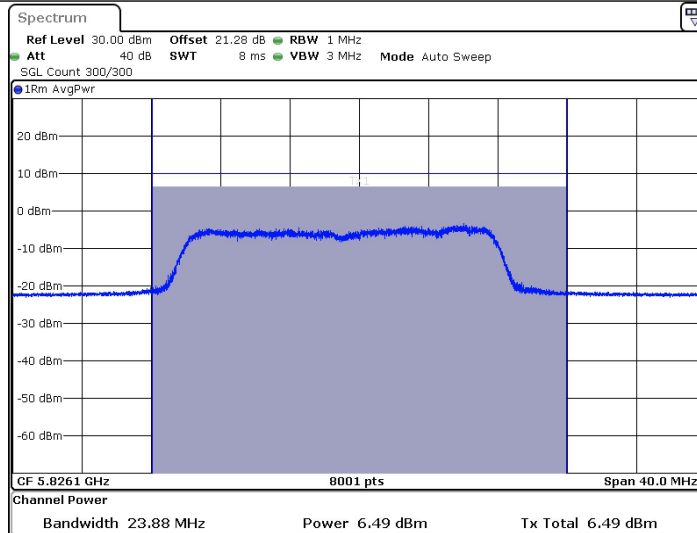
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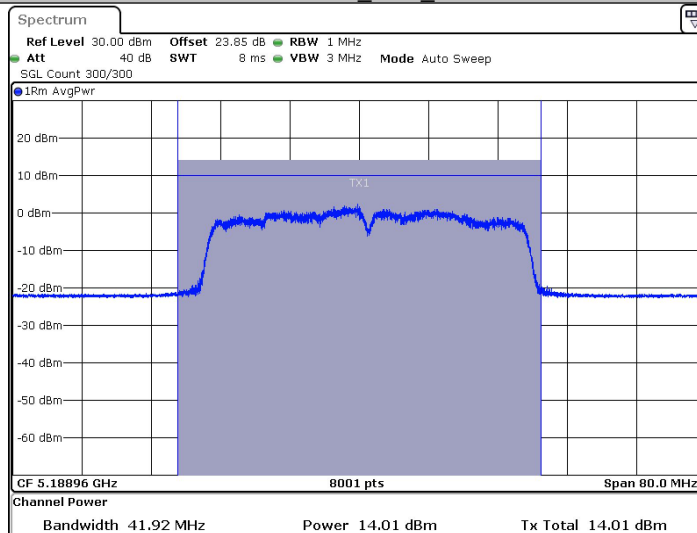
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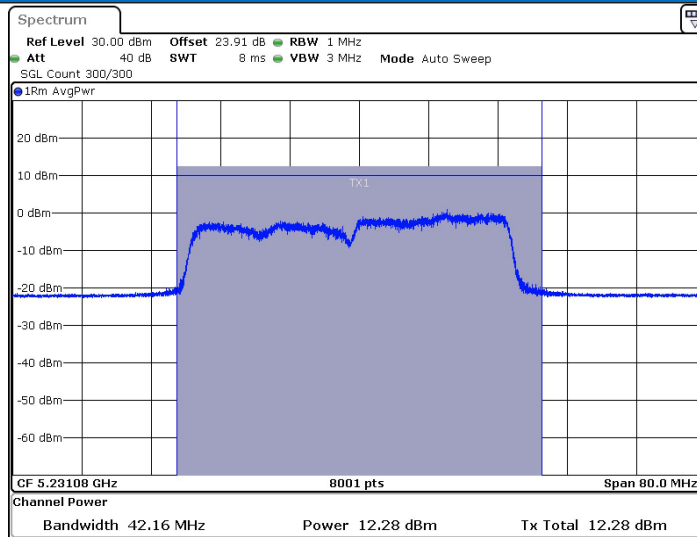
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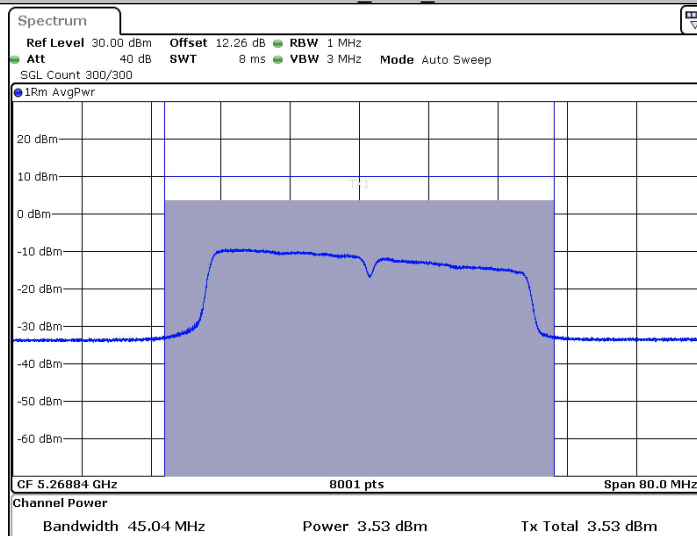
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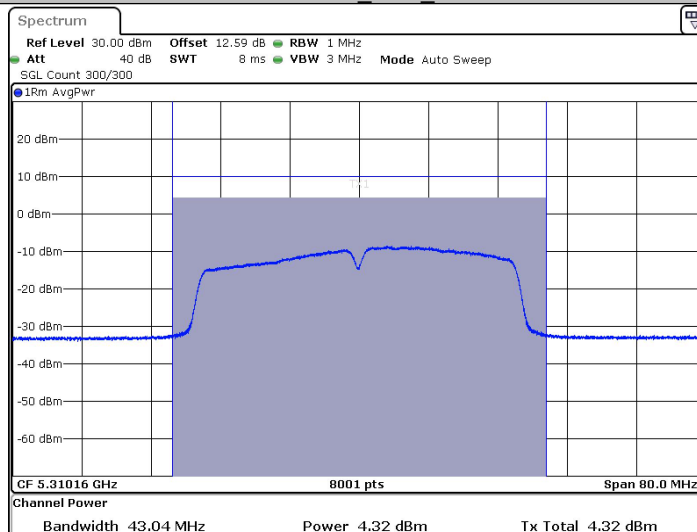
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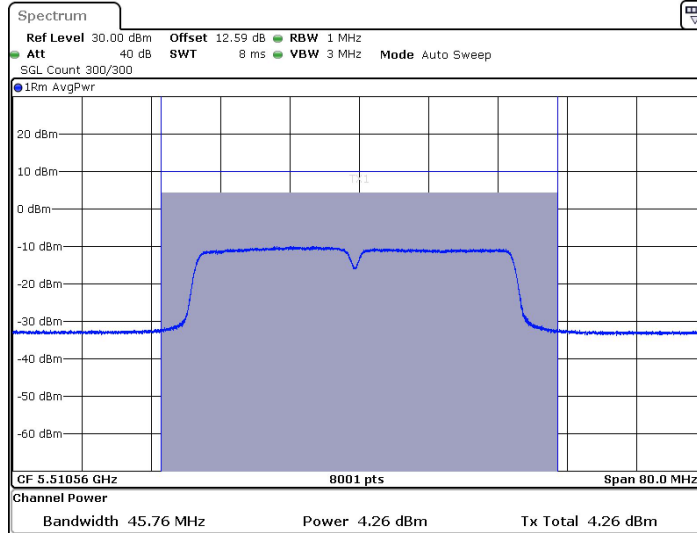
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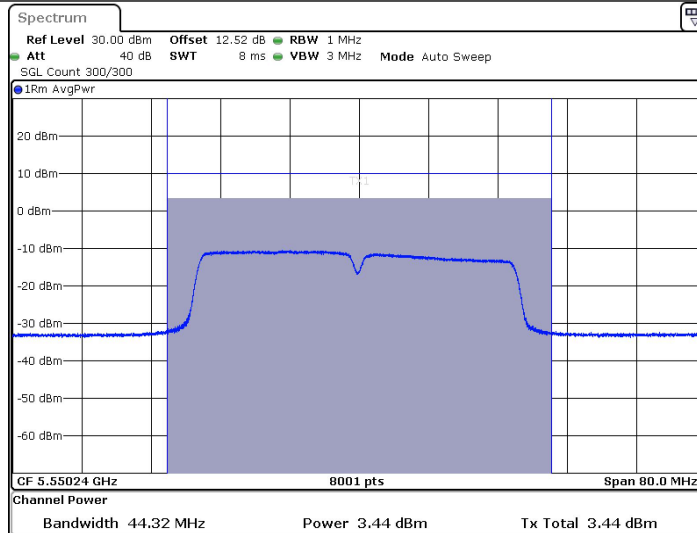
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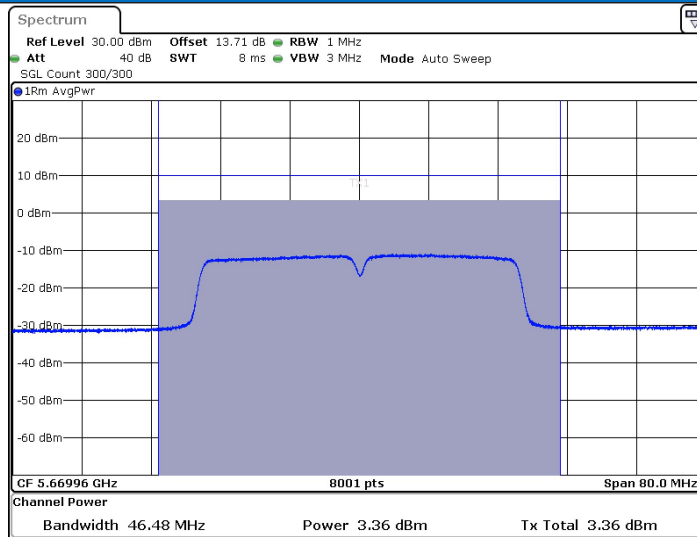
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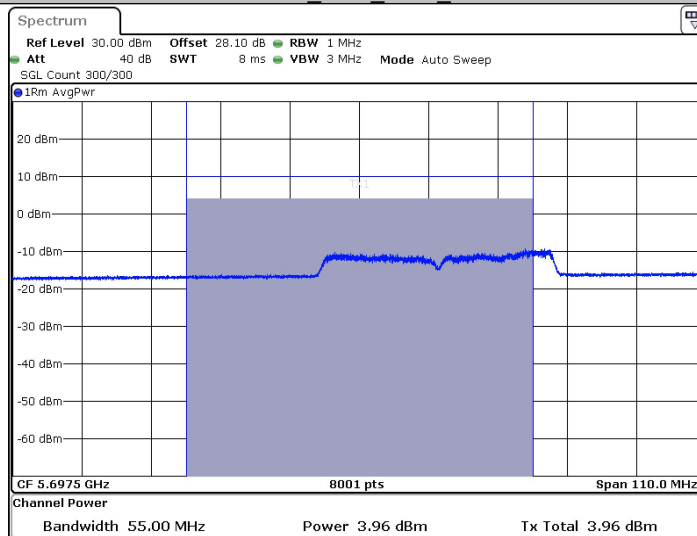
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11N40SISO_Ant1_5670



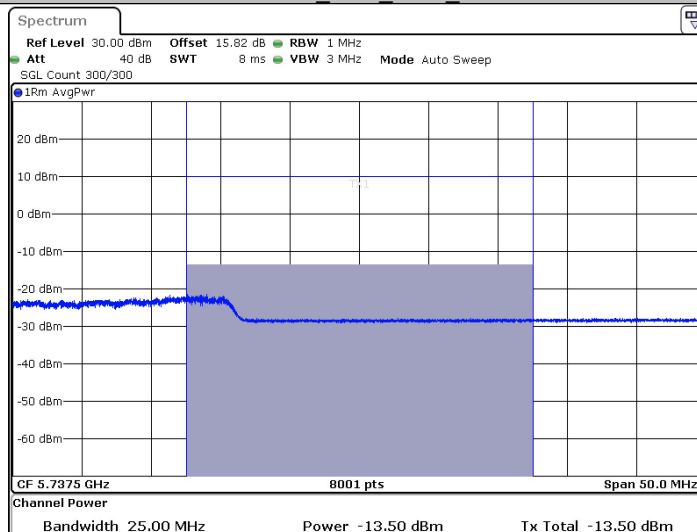
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11N40SISO_Ant1_5710_UNII-2C



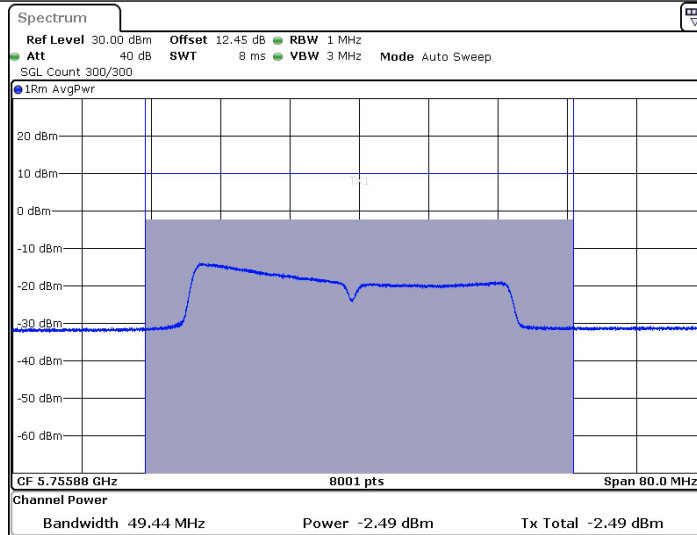
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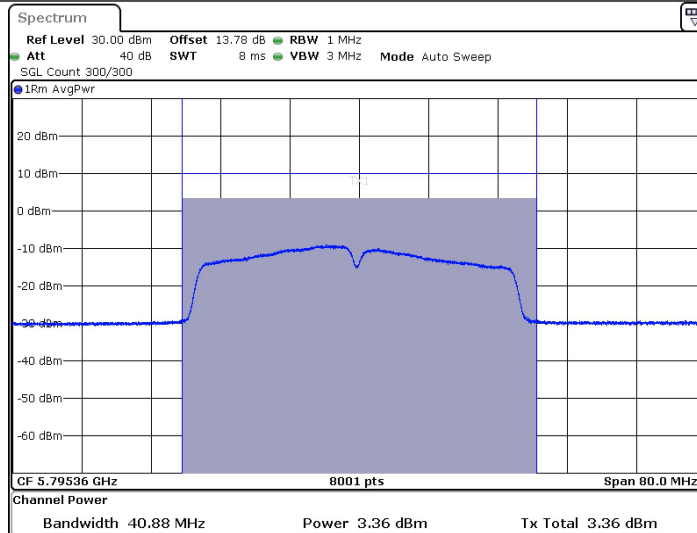
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11N40SISO_Ant1_5795



Date: 18 JAN 2025 13:55:52

11AC20SISO_Ant1_5180