

## Radio 1 15dBi MIMO

Mode	Radio	Freq. (MHz)	Conducted Power Ant a (dBm)	Conducted Power Ant b (dBm)	Corrected Total Output Power (dBm)	Limit (dBm)
a10	2	4950	0.38	-0.34	6.175	≤ 24
		4955	0.38	-0.27	6.207	≤ 24
		4980	-0.25	-0.53	5.753	≤ 24
n10		4950	-3.47	-3.6	-0.042	≤ 11
		4955	-4.09	-4.12	-0.613	≤ 11
		4980	-3.62	-3.76	-0.197	≤ 11
n20		4950	-0.56	-0.83	2.573	≤ 14
		4965	-0.92	-0.97	2.321	≤ 14
		4980	-0.71	-1.03	2.399	≤ 14
ac10		4950	-3.57	-3.57	-0.105	≤ 11
		4955	-4.08	-4.17	-0.660	≤ 11
		4980	-3.64	-3.66	-0.185	≤ 11
ac20		4950	-0.6	-0.81	2.635	≤ 14
		4965	-0.86	-0.94	2.439	≤ 14
		4980	-0.65	-0.99	2.522	≤ 14

## Radio 1 ≤8dBi MIMO

Mode	Radio	Freq. (MHz)	Conducted Power Ant a (dBm)	Conducted Power Ant b (dBm)	Corrected Total Output Power (dBm)	Limit (dBm)
a10	2	4950	7.26	6.61	13.087	≤ 30
		4955	6.99	6.58	12.930	≤ 30
		4980	6.58	6.54	12.700	≤ 30
n10		4950	2.45	2.39	5.912	≤ 17
		4955	2.3	2.42	5.853	≤ 17
		4980	1.92	2.01	5.458	≤ 17
n20		4950	5.31	5.25	8.546	≤ 20
		4965	4.99	5.11	8.316	≤ 20
		4980	5.33	5.36	8.611	≤ 20
ac10		4950	2.49	2.41	5.915	≤ 17
		4955	2.44	2.33	5.850	≤ 17
		4980	1.88	1.97	5.390	≤ 17
ac20	4950	5.31	5.25	8.619	≤ 20	
	4965	4.96	5.09	8.364	≤ 20	
	4980	5.43	5.34	8.724	≤ 20	

Note: Corrected Total Output Power(dBm)=Total Conducted Power(dBm) + Duty Cycle Correction Factor(dB)

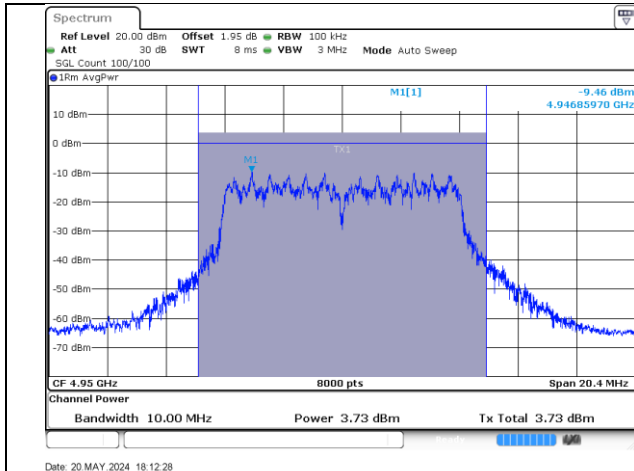
Note: The total maximum conducted output power is calculated by converting logarithmic values to linear values, summing them, then converting the sum into logarithmic value like so:  $10 * \text{LOG}(10^{(\text{ant a}/10)} + 10^{(\text{ant b}/10)})$ .

Note: If transmitting antennas of directional gain greater than 9 dBi are used, both the maximum conducted output power and the peak power spectral density limits should be reduced by the amount in decibels that the directional gain of the antennas exceed 9 dBi.

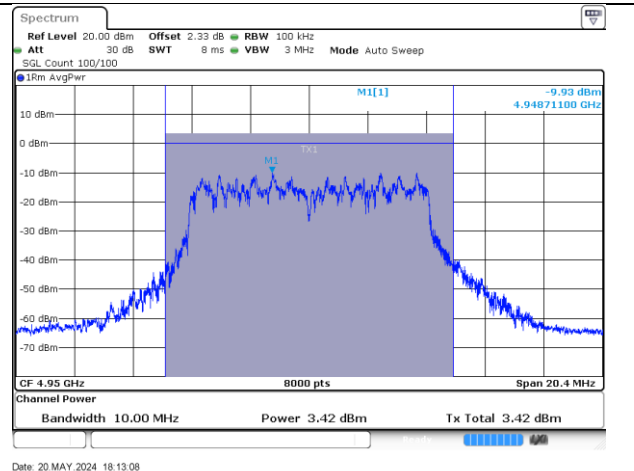
Please refer to the below tables for the plots.

Title convention: Frequency(MHz)-Bandwidth(MHz)-Data Rate-Tx Path-Antenna

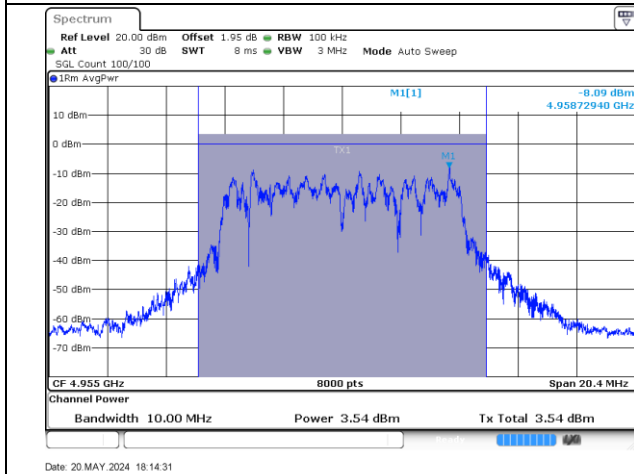
Radio 2 15dBi Antenna Gain



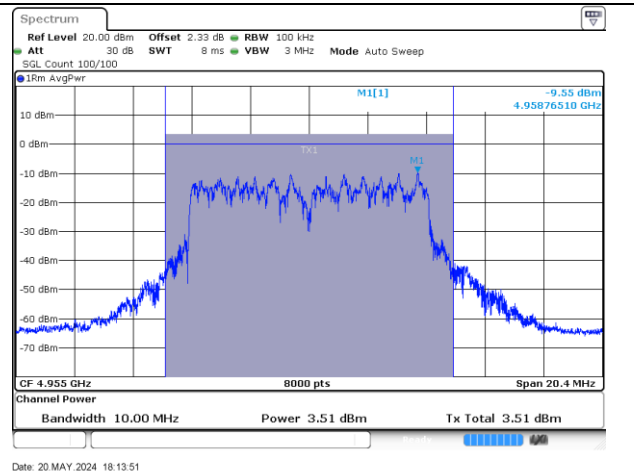
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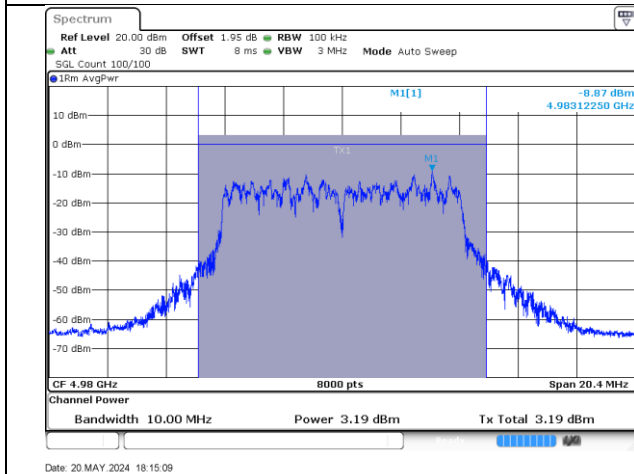
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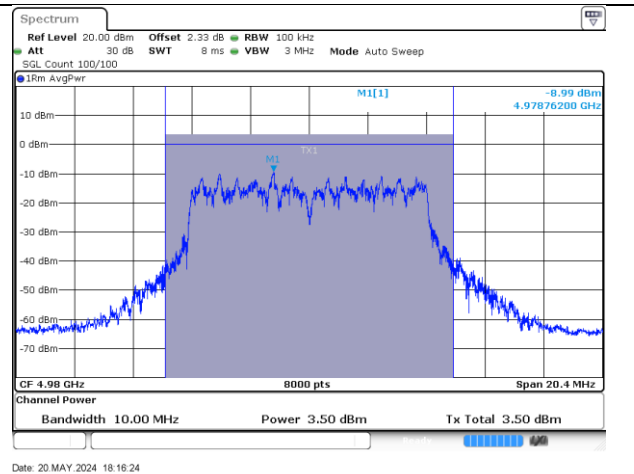
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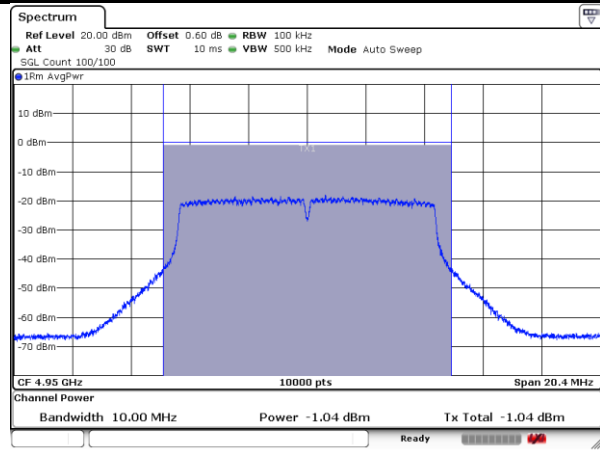
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4980MHz-10MHz-802.11a-1-a

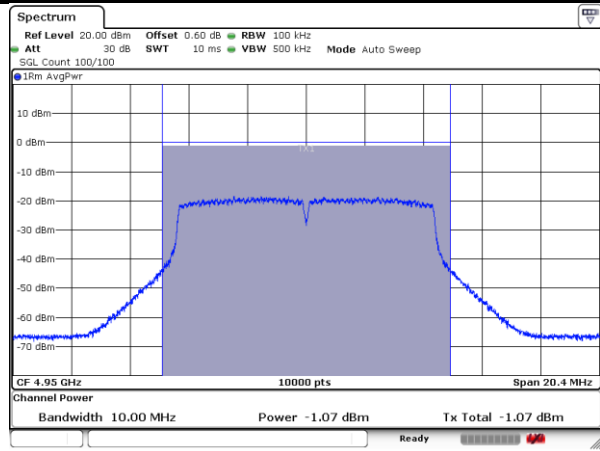


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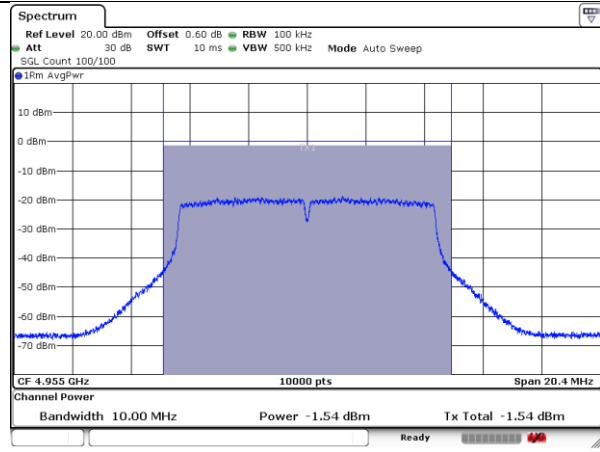
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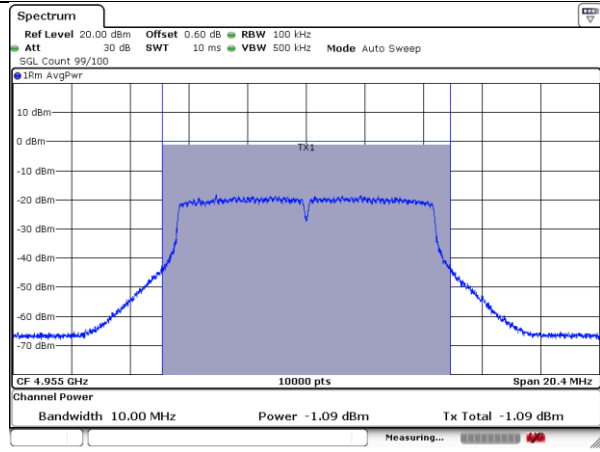
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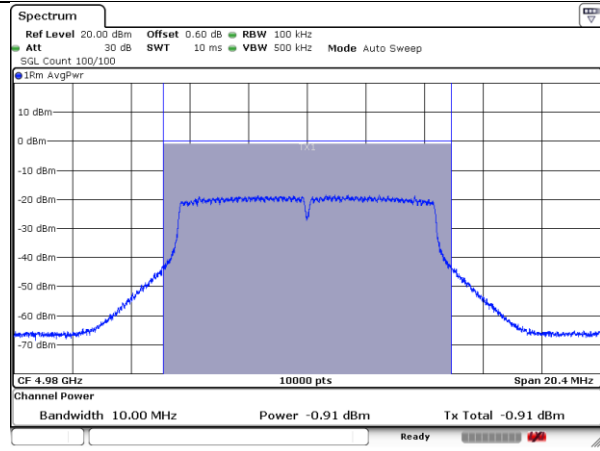
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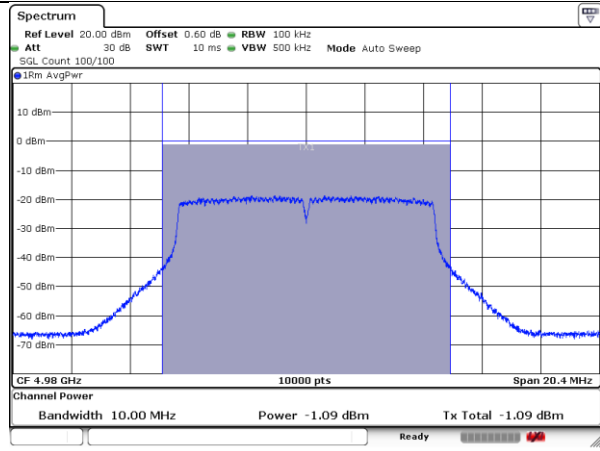
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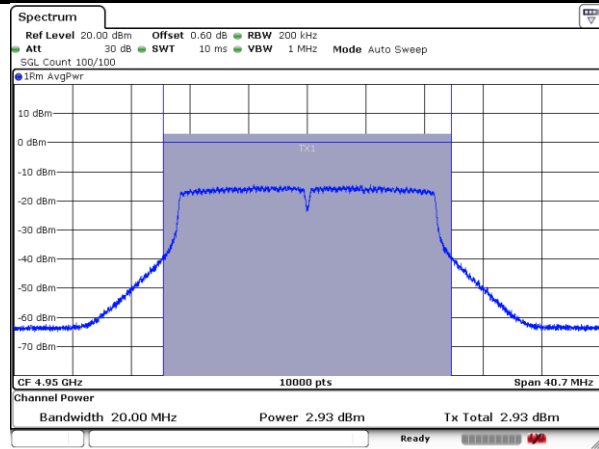
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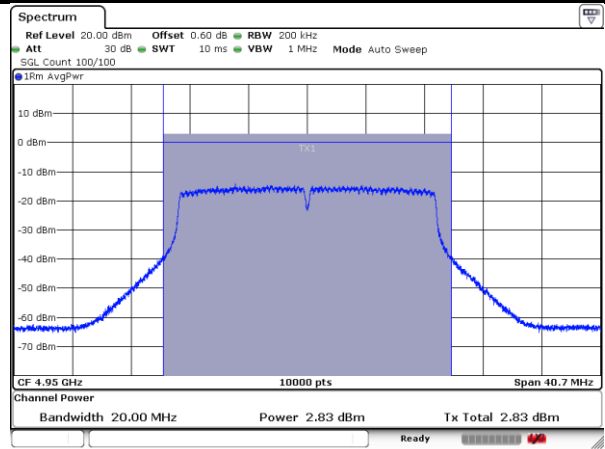
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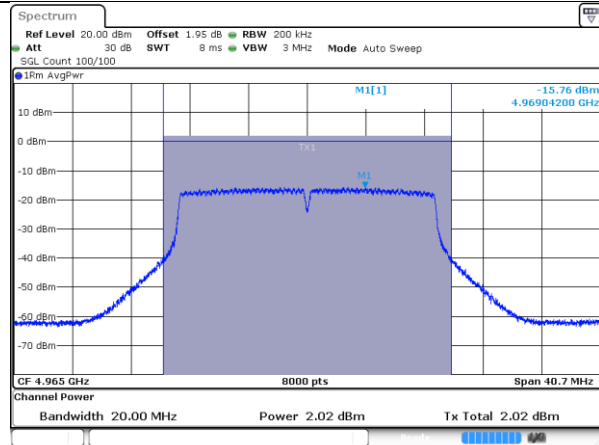
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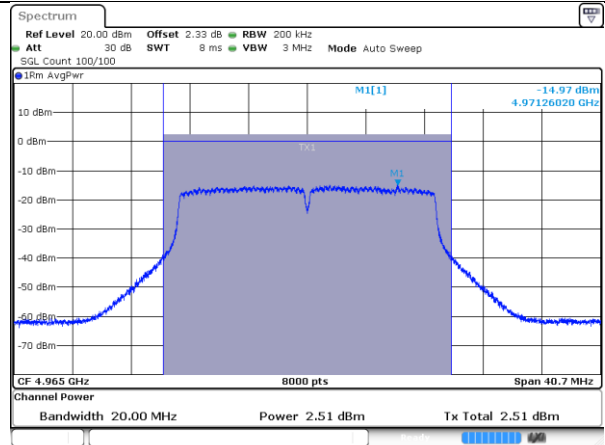
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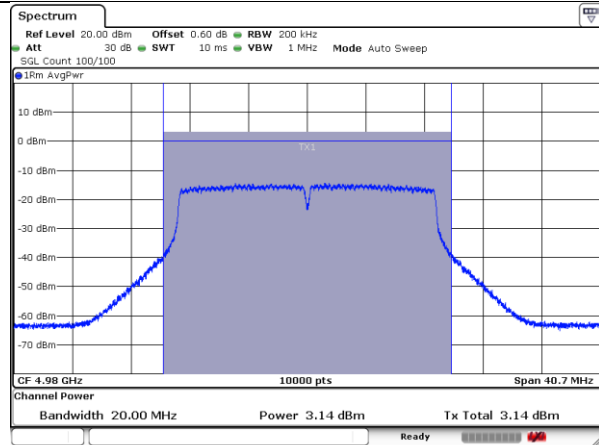
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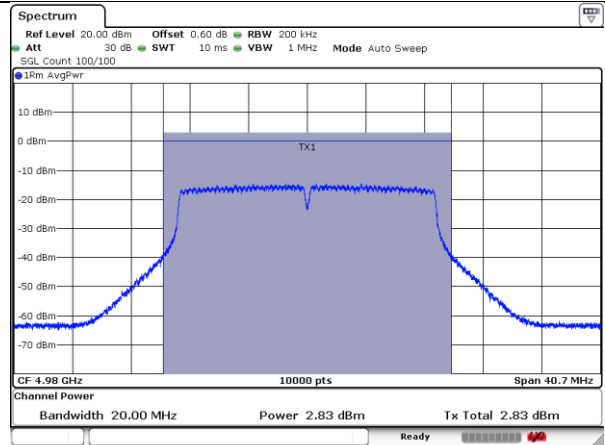
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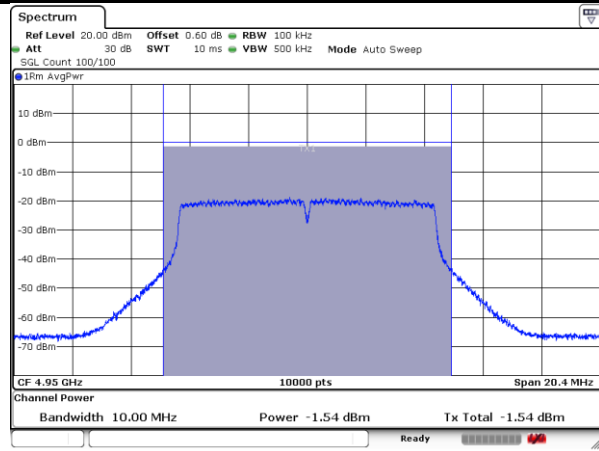
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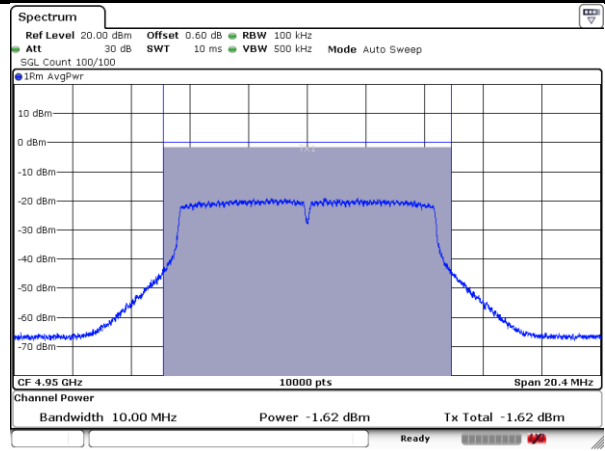
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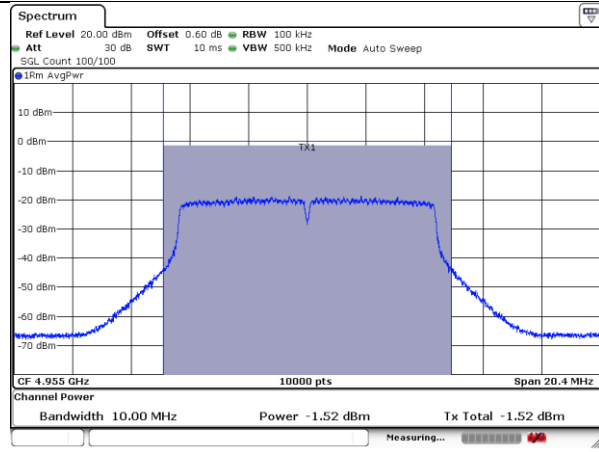
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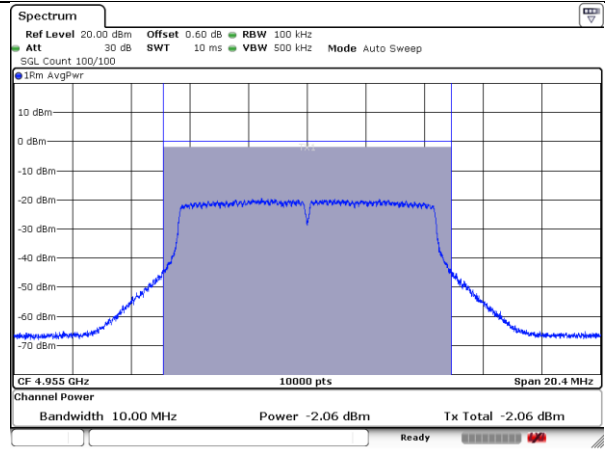
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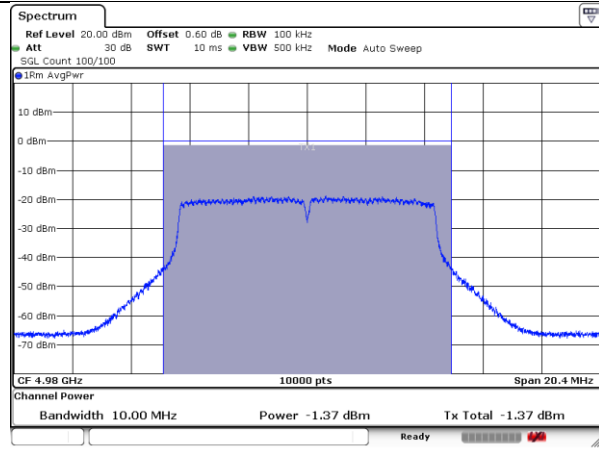
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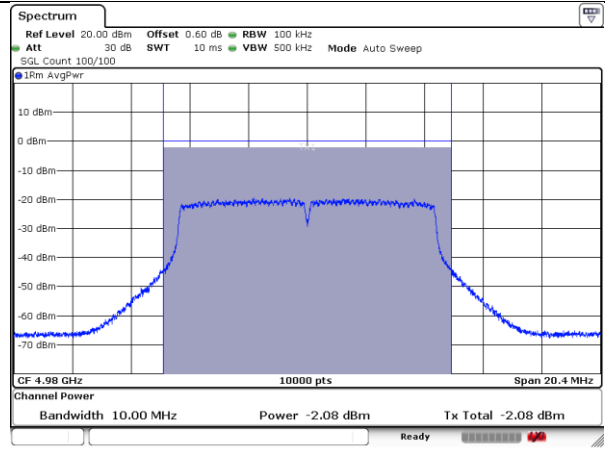
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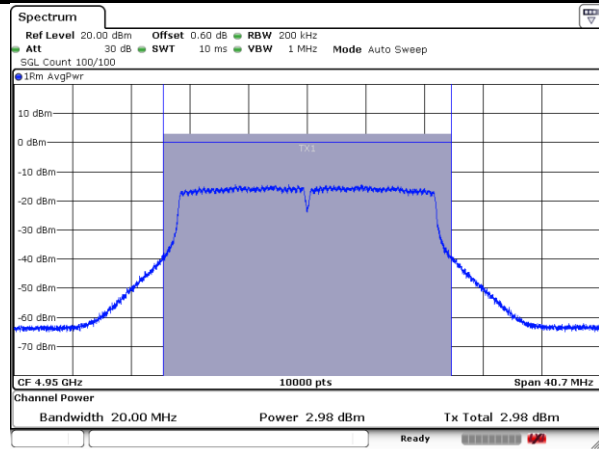
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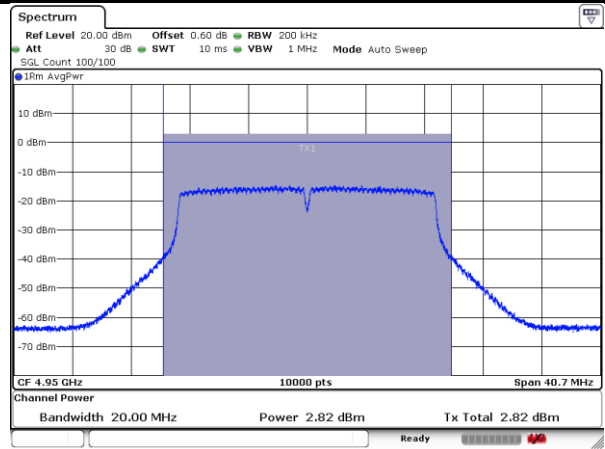
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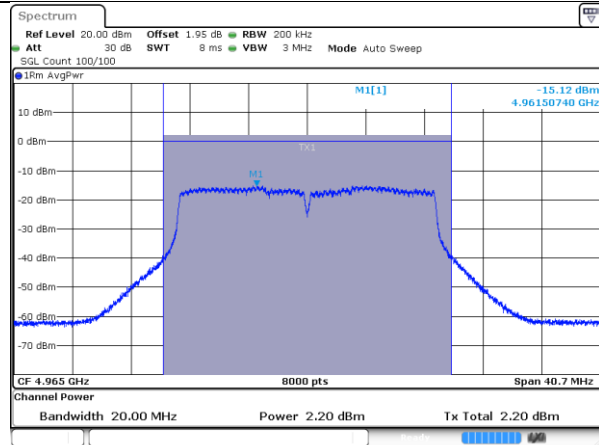
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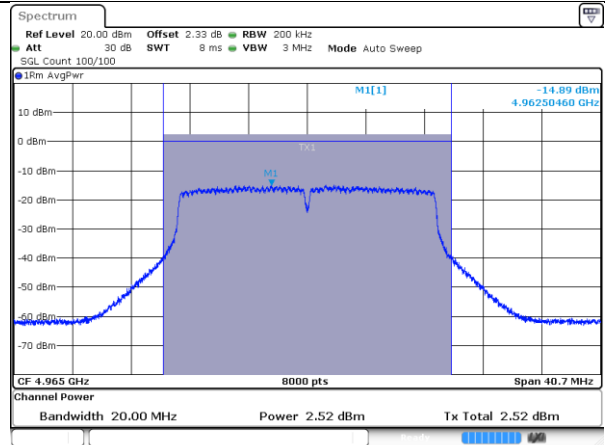
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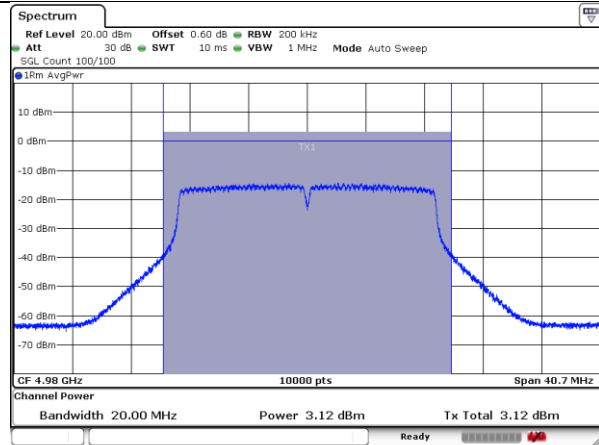
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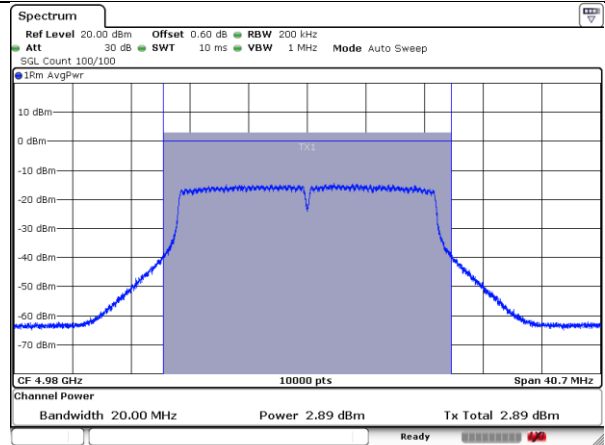
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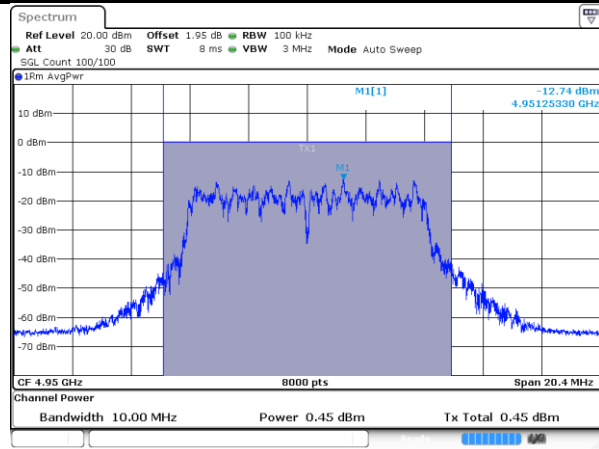
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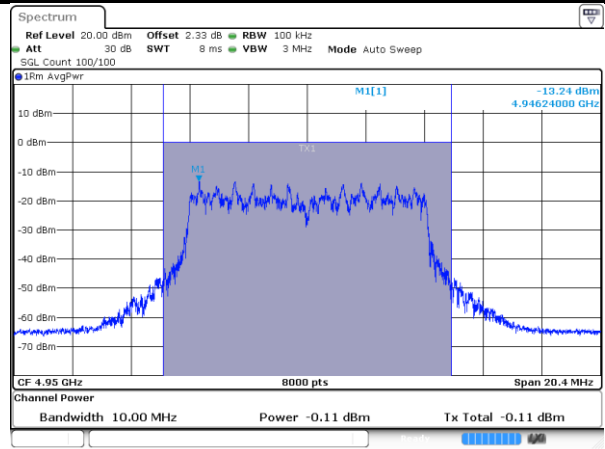
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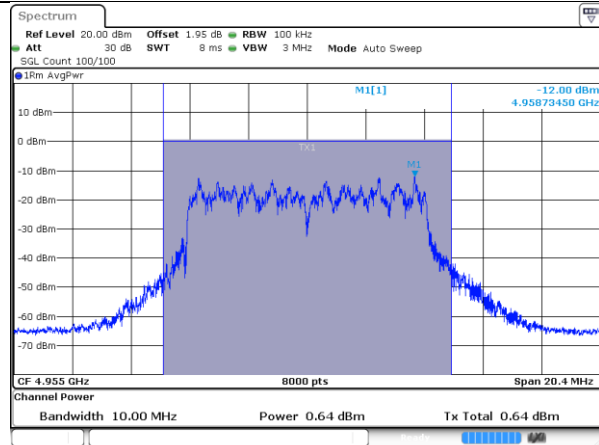
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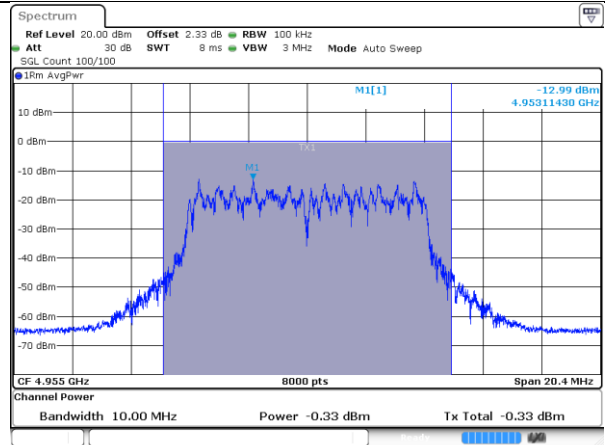
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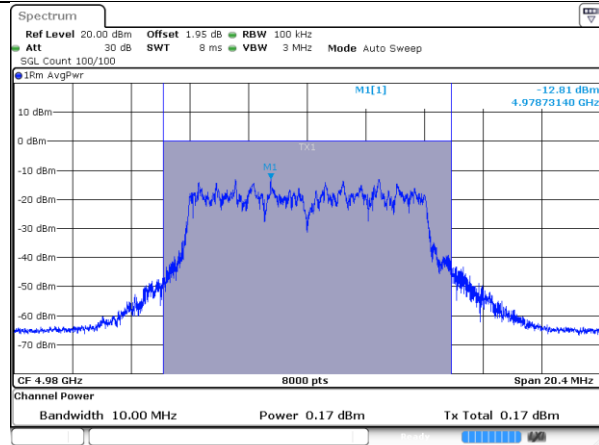
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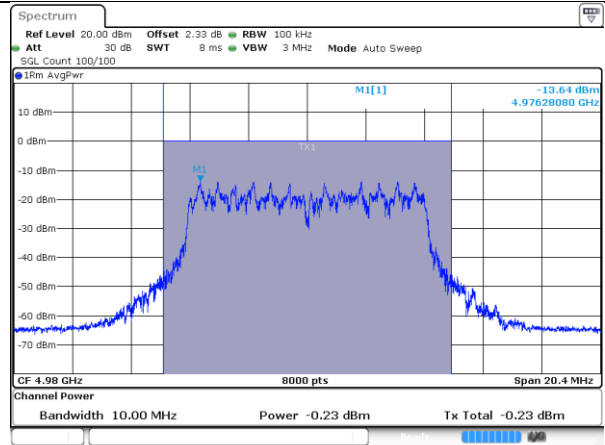
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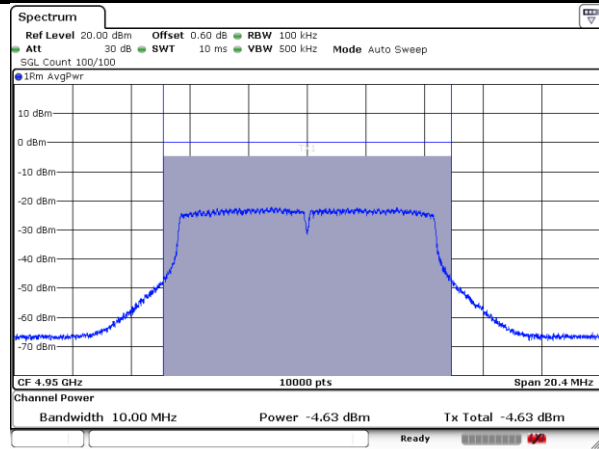
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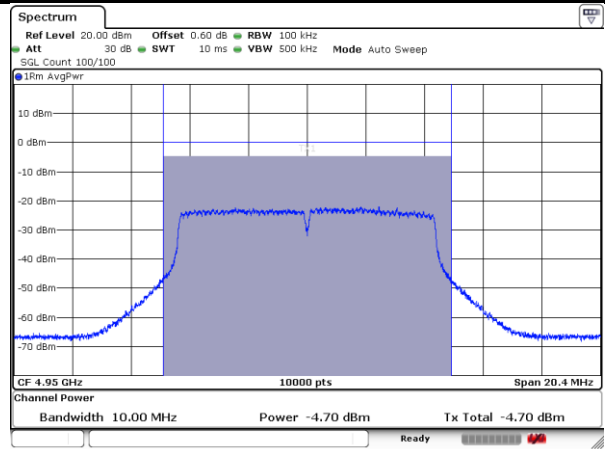
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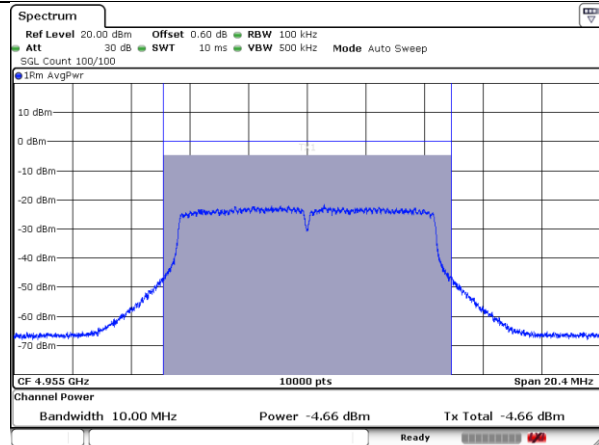
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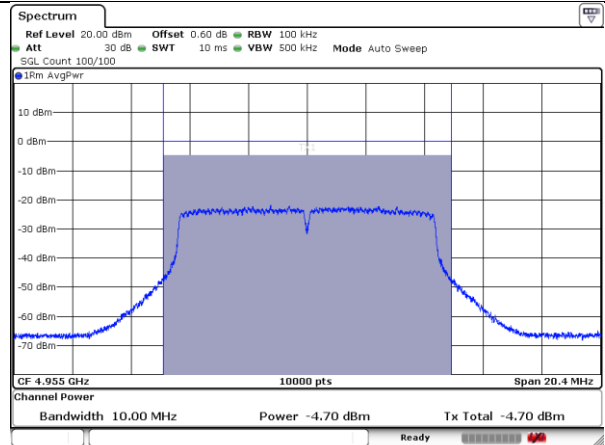
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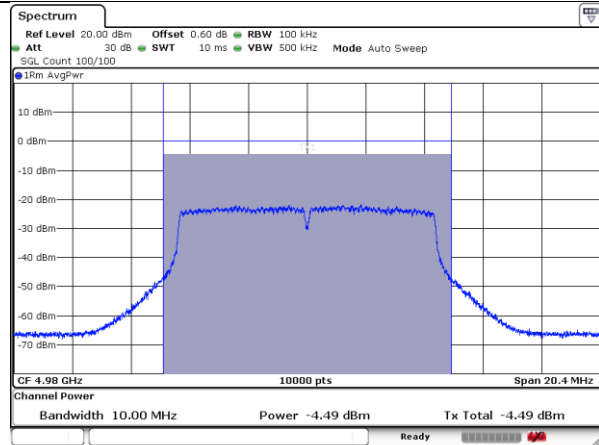
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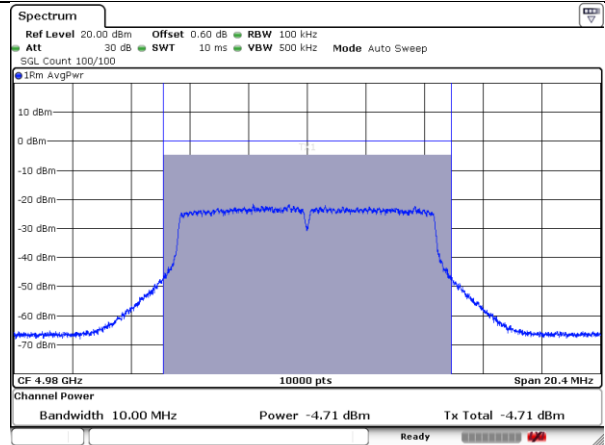
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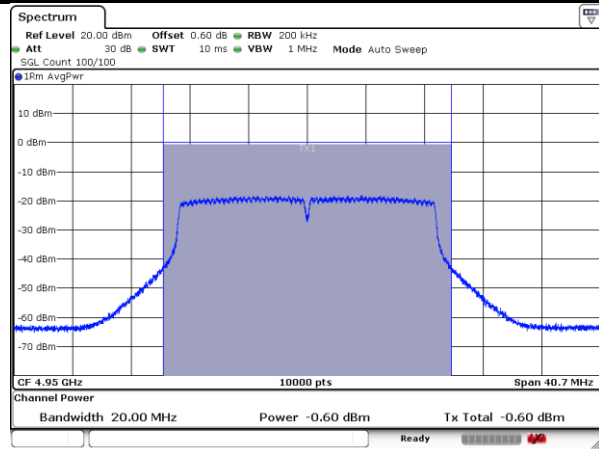
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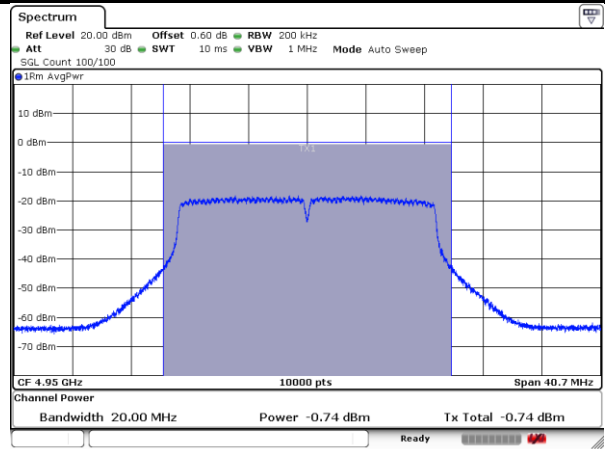
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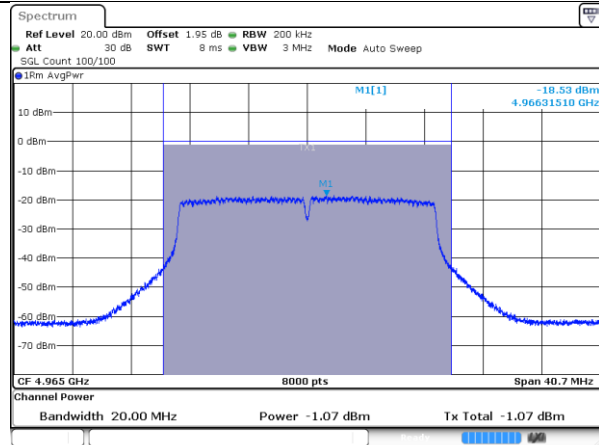
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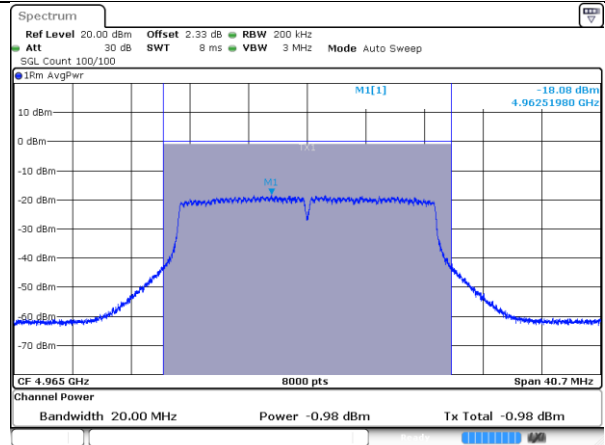
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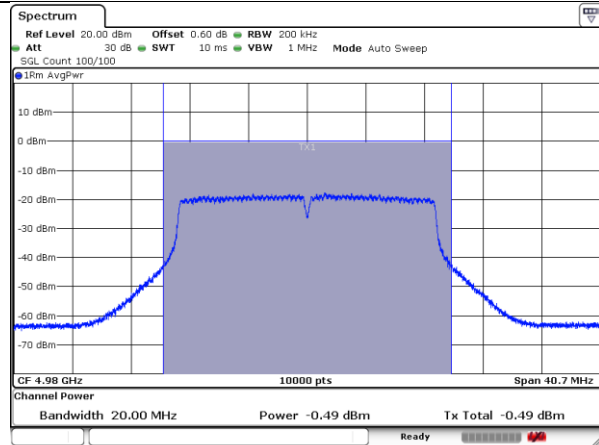
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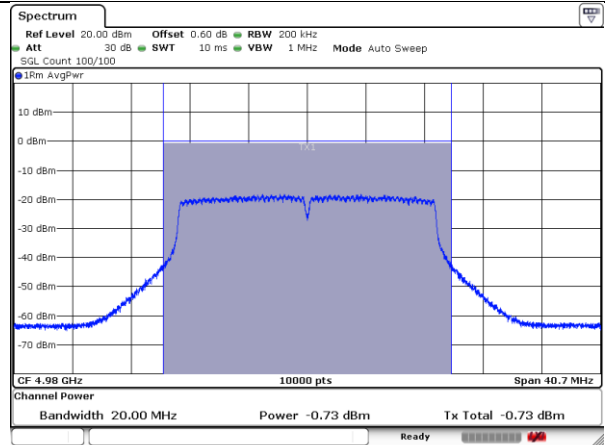
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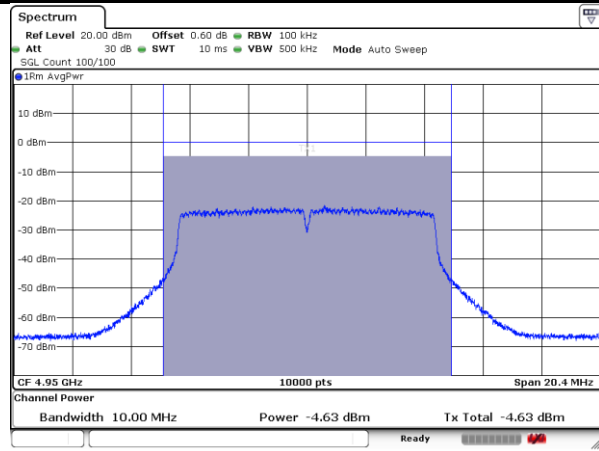
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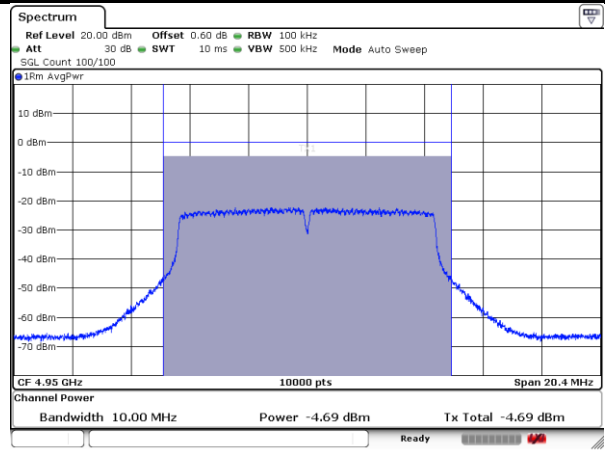
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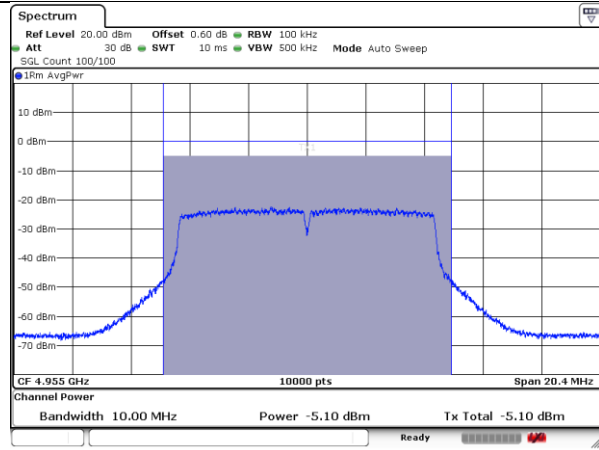
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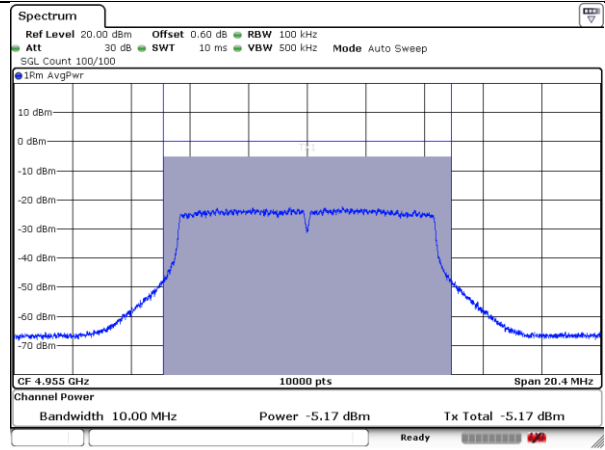
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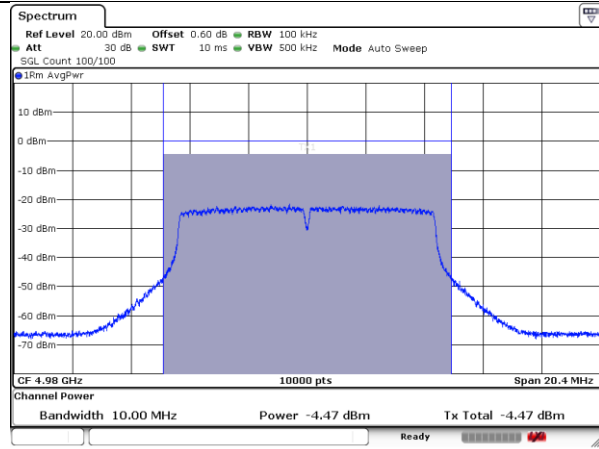
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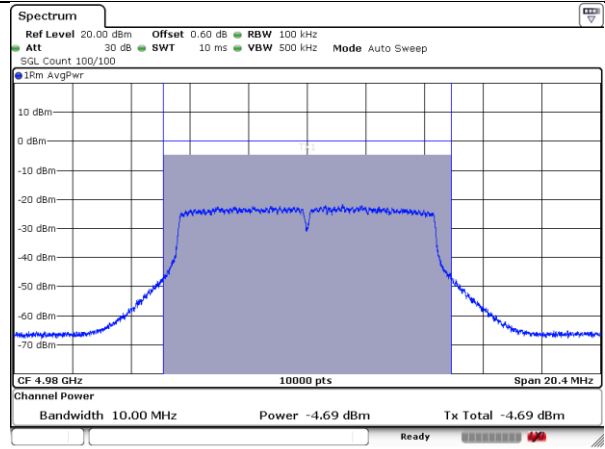
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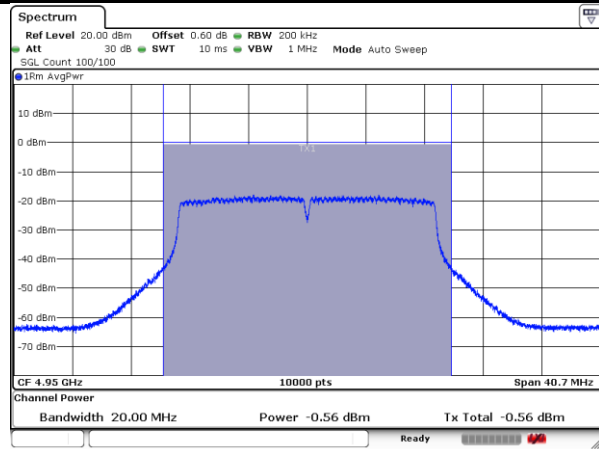
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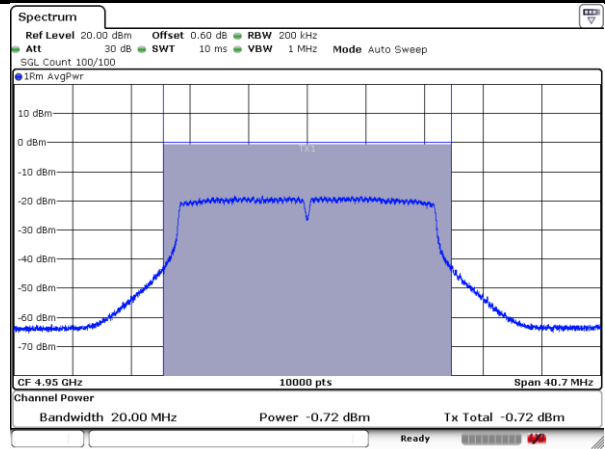
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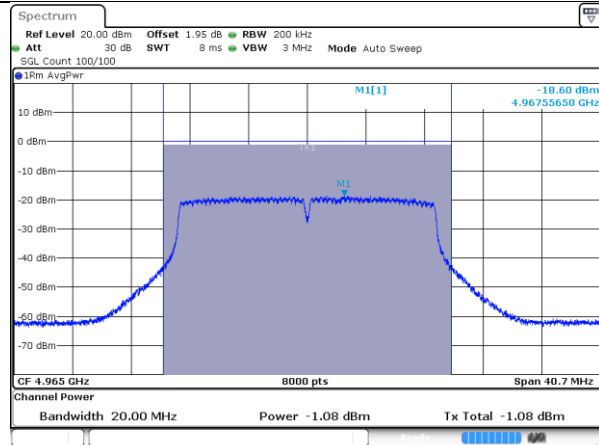
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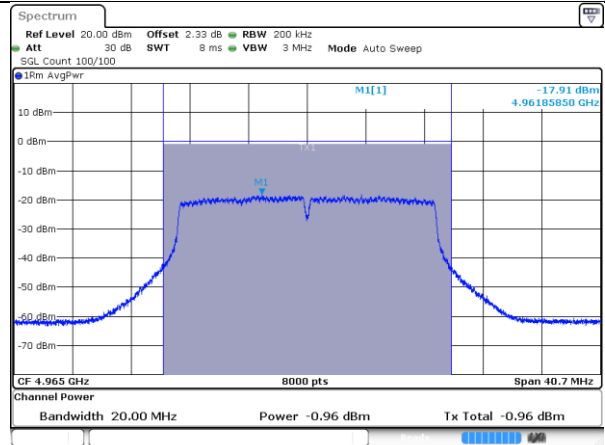
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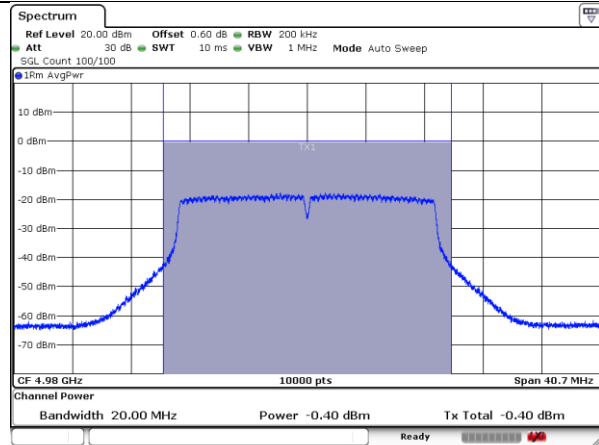
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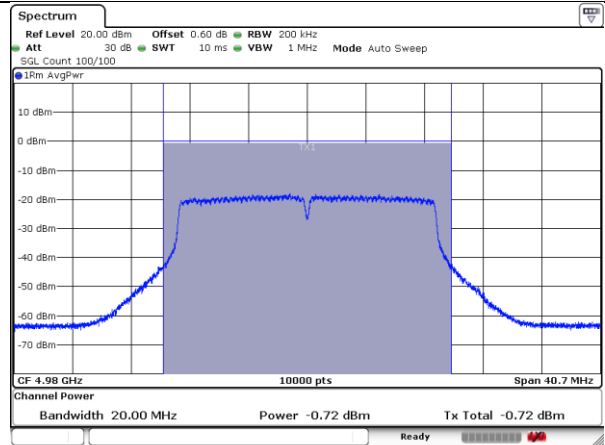
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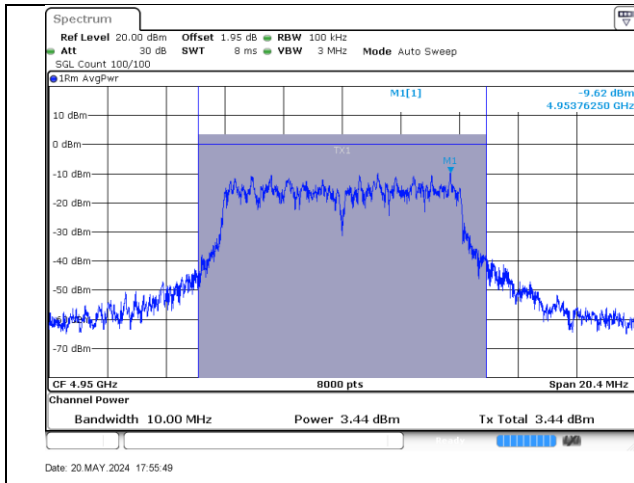
4980MHz-20MHz-802.11ac-2-a



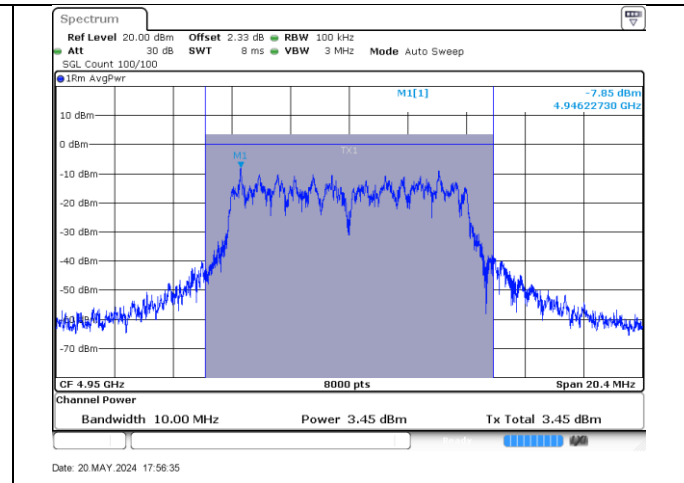
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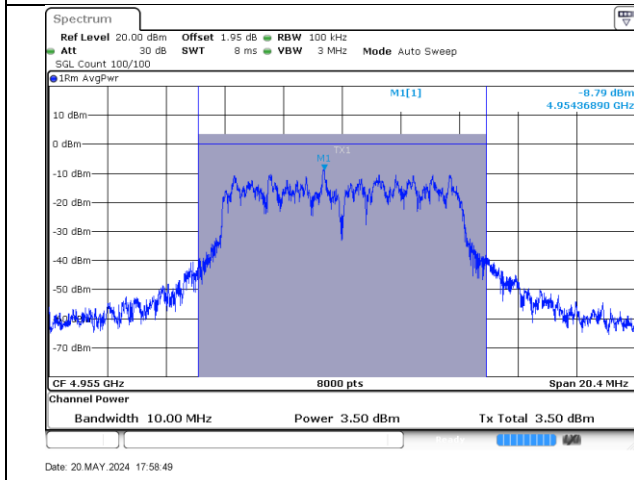
Radio 1 15dBi Antenna Gain



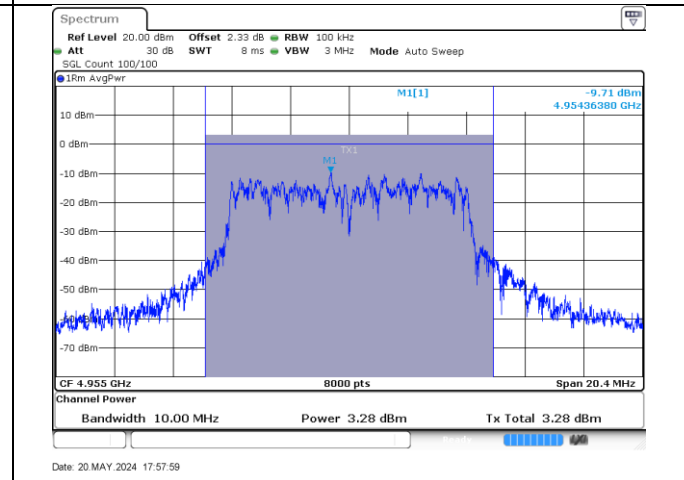
4950MHz-10MHz-802.11a-1-a



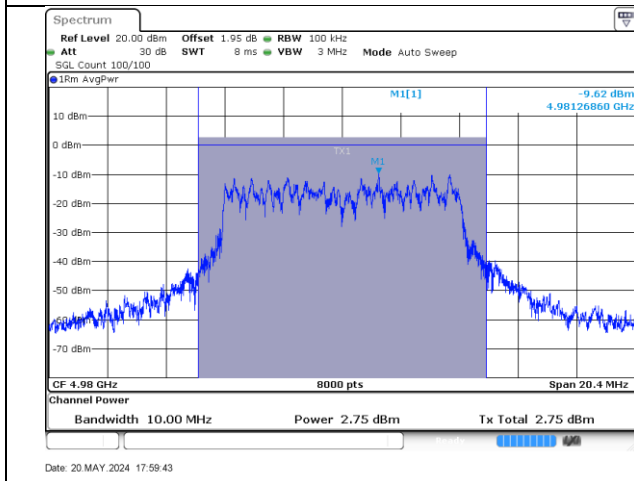
4950MHz-10MHz-802.11a-1-b



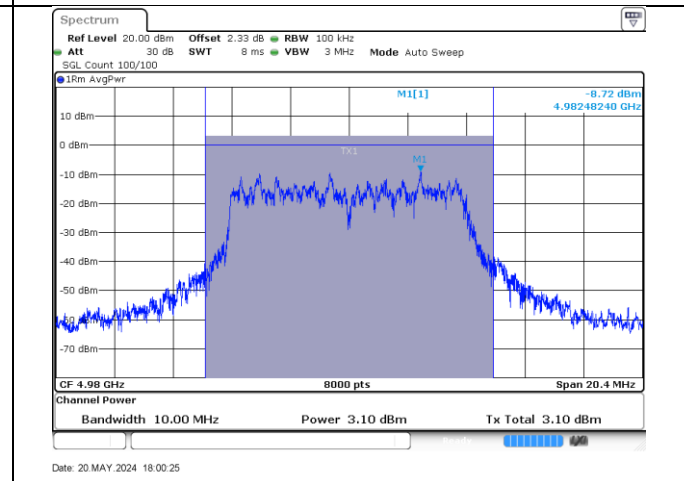
4955MHz-10MHz-802.11a-1-a



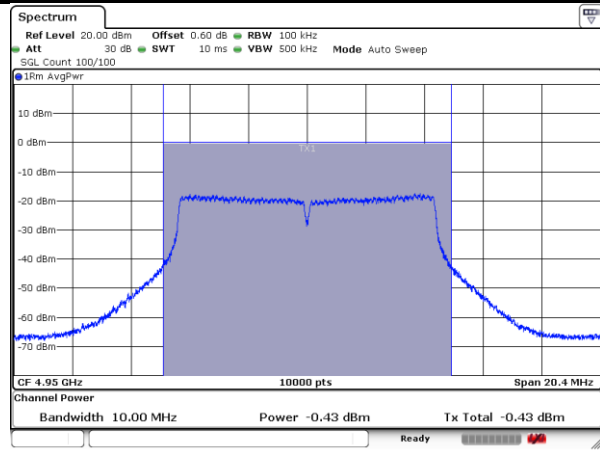
4955MHz-10MHz-802.11a-1-b



4980MHz-10MHz-802.11a-1-a

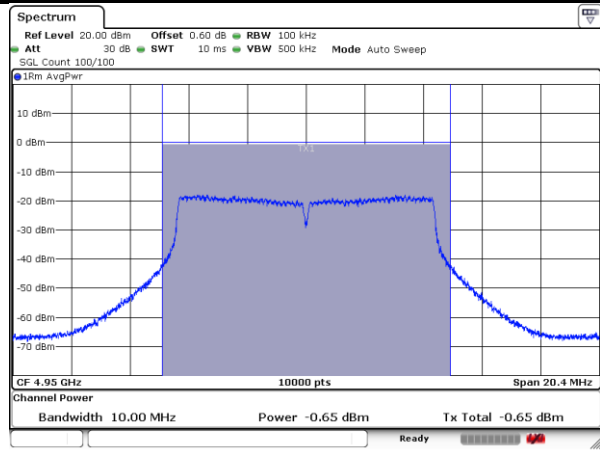


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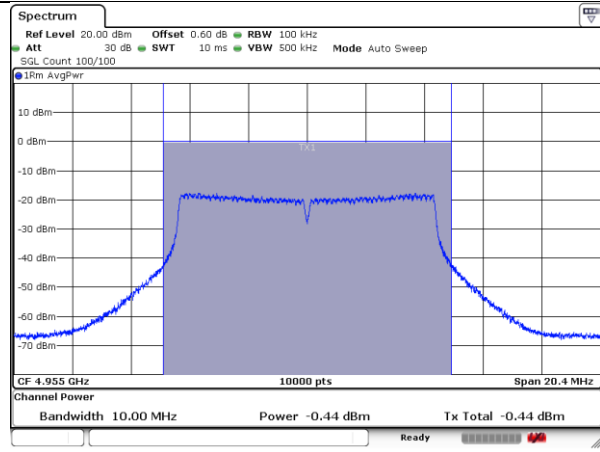
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4950MHz-10MHz-802.11n-1-a



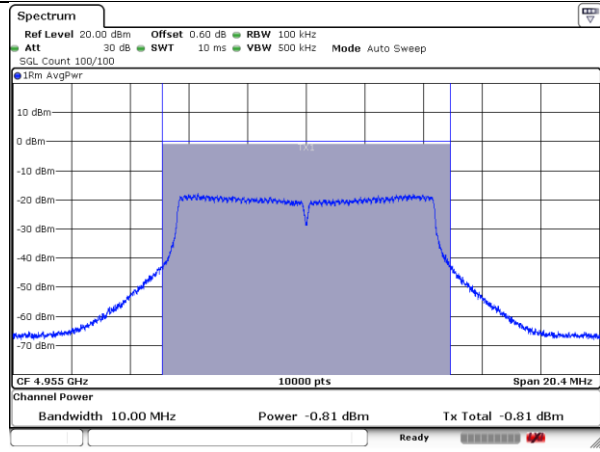
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4950MHz-10MHz-802.11n-1-b



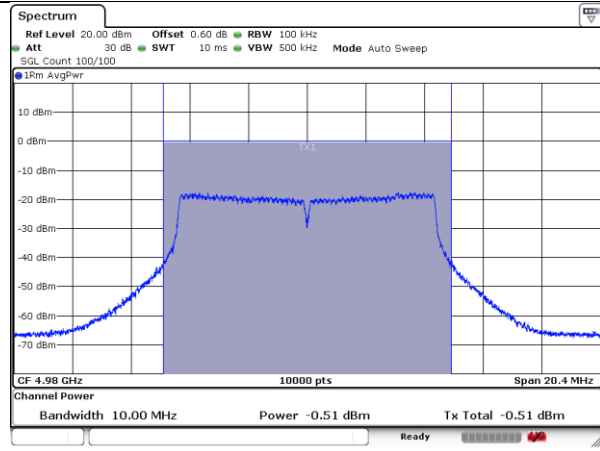
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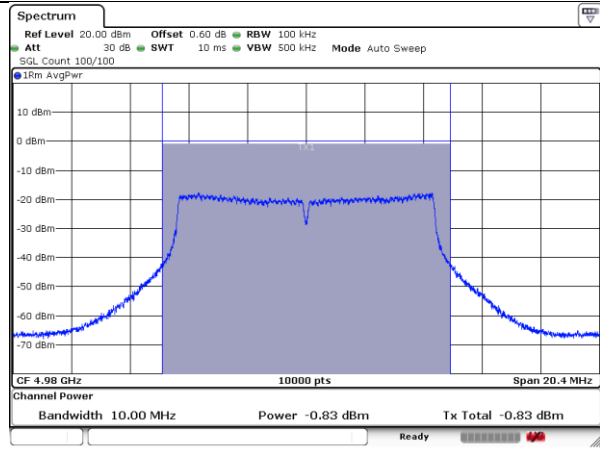
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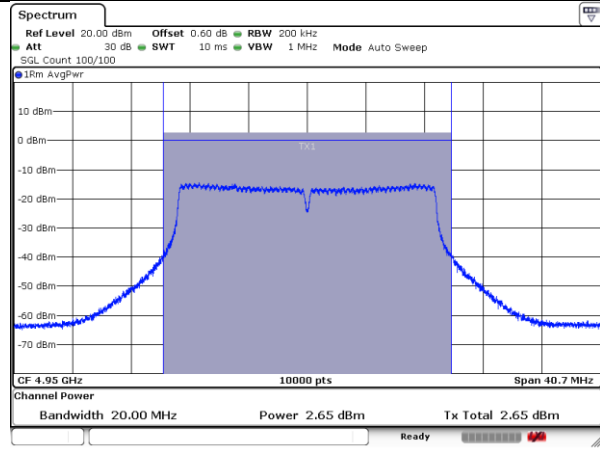
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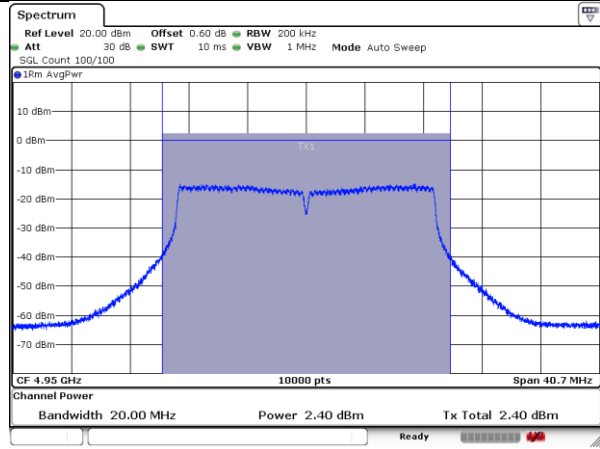
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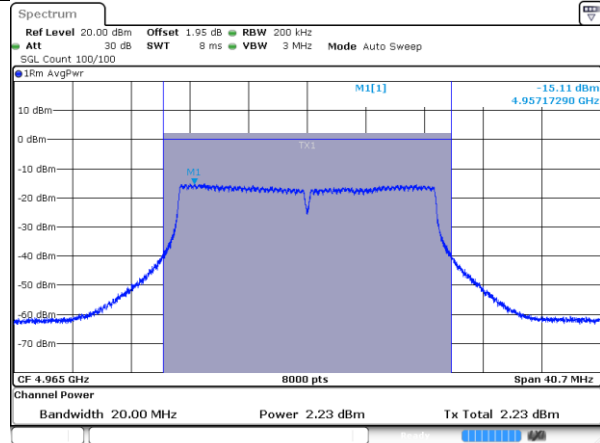
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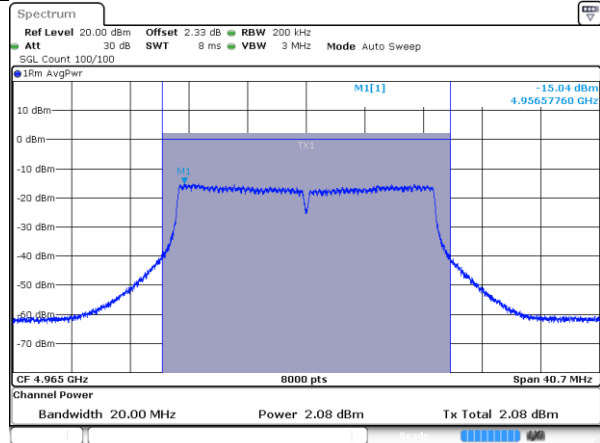
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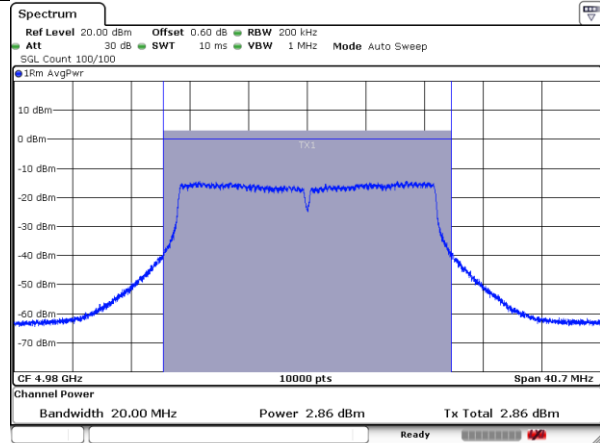
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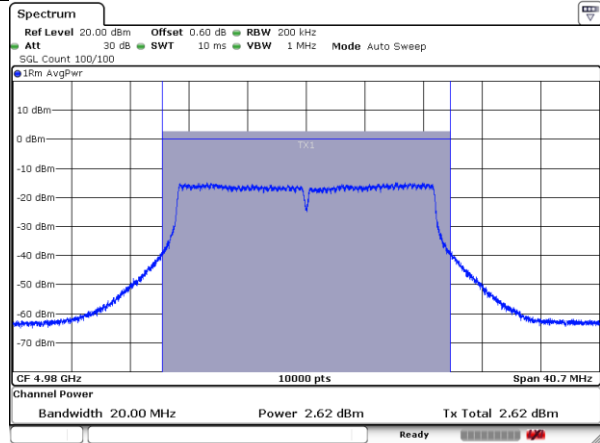
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4965MHz-20MHz-802.11n-1-b



Date: 3 MAY 2024 20:00:46

4980MHz-20MHz-802.11n-1-a



Date: 3 MAY 2024 19:59:35

4980MHz-20MHz-802.11n-1-b