

AppendixC: Maximum conducted output power

Test Result Channel Power

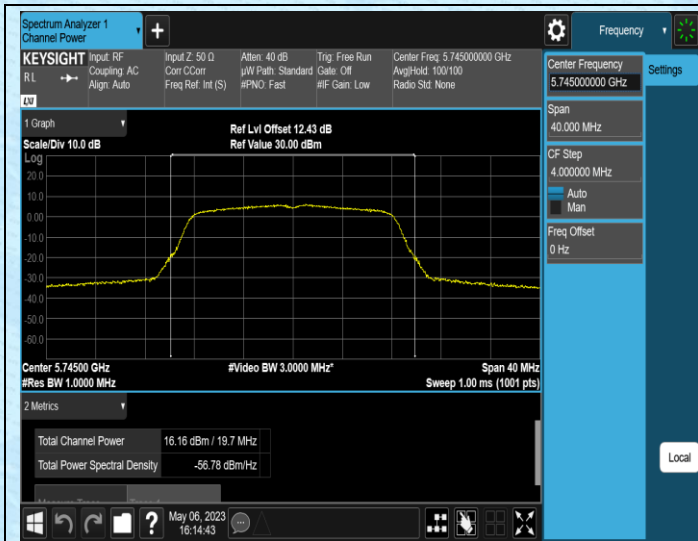
Test Mode	Antenna	Fre. [MHz]	Rate	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	Verdict
11A	Ant1	5745	6Mbps	16.01	96.53	0.15	16.16	≤30.00	2.90	19.06	PASS
11A	Ant2	5745	6Mbps	16.49	96.53	0.15	16.64	≤30.00	2.90	19.54	PASS
11A	Ant1	5785	6Mbps	16.10	96.53	0.15	16.25	≤30.00	2.90	19.15	PASS
11A	Ant2	5785	6Mbps	16.66	96.55	0.15	16.81	≤30.00	2.90	19.71	PASS
11A	Ant1	5825	6Mbps	15.63	96.50	0.15	15.78	≤30.00	2.90	18.68	PASS
11A	Ant2	5825	6Mbps	16.48	96.50	0.15	16.63	≤30.00	2.90	19.53	PASS
11N20SISO	Ant1	5745	MCS0	16.34	96.27	0.17	16.51	≤30.00	2.90	19.41	PASS
11N20SISO	Ant2	5745	MCS0	16.33	97.01	0.13	16.46	≤30.00	2.90	19.36	PASS
11N20SISO	Ant1	5785	MCS0	16.42	96.30	0.16	16.58	≤30.00	2.90	19.48	PASS
11N20SISO	Ant2	5785	MCS0	16.58	97.01	0.13	16.71	≤30.00	2.90	19.61	PASS
11N20SISO	Ant1	5825	MCS0	16.00	97.01	0.13	16.13	≤30.00	2.90	19.03	PASS
11N20SISO	Ant2	5825	MCS0	16.39	96.30	0.16	16.55	≤30.00	2.90	19.45	PASS
11N40SISO	Ant1	5755	MCS0	16.30	92.86	0.32	16.62	≤30.00	2.90	19.52	PASS
11N40SISO	Ant2	5755	MCS0	16.45	92.86	0.32	16.77	≤30.00	2.90	19.67	PASS
11N40SISO	Ant1	5795	MCS0	16.37	92.75	0.33	16.70	≤30.00	2.90	19.60	PASS
11N40SISO	Ant2	5795	MCS0	16.58	92.86	0.32	16.90	≤30.00	2.90	19.80	PASS
11AC20SISO	Ant1	5745	MCS0	16.26	96.30	0.16	16.42	≤30.00	2.90	19.32	PASS
11AC20SISO	Ant2	5745	MCS0	16.42	97.04	0.13	16.55	≤30.00	2.90	19.45	PASS
11AC20SISO	Ant1	5785	MCS0	16.31	96.32	0.16	16.47	≤30.00	2.90	19.37	PASS
11AC20SISO	Ant2	5785	MCS0	16.64	97.04	0.13	16.77	≤30.00	2.90	19.67	PASS
11AC20SISO	Ant1	5825	MCS0	15.86	96.32	0.16	16.02	≤30.00	2.90	18.92	PASS
11AC20SISO	Ant2	5825	MCS0	16.33	96.32	0.16	16.49	≤30.00	2.90	19.39	PASS
11AC40SISO	Ant1	5755	MCS0	16.40	92.86	0.32	16.72	≤30.00	2.90	19.62	PASS
11AC40SISO	Ant2	5755	MCS0	16.40	92.86	0.32	16.72	≤30.00	2.90	19.62	PASS
11AC40SISO	Ant1	5795	MCS0	16.44	92.86	0.32	16.76	≤30.00	2.90	19.66	PASS
11AC40SISO	Ant2	5795	MCS0	16.62	94.29	0.26	16.88	≤30.00	2.90	19.78	PASS
11AC80SISO	Ant1	5775	MCS0	16.20	86.49	0.63	16.83	≤30.00	2.90	19.73	PASS
11AC80SISO	Ant2	5775	MCS0	16.28	86.49	0.63	16.91	≤30.00	2.90	19.81	PASS
11N40MIMO	Ant1	5755	MCS0	13.74	92.75	0.33	14.07	≤30.00	2.90	16.97	PASS
11N40MIMO	Ant2	5755	MCS0	13.61	92.75	0.33	13.94	≤30.00	2.90	16.84	PASS
11N40MIMO	total	5755	---	---	---	---	17.02	≤30.00	---	22.93	PASS
11N40MIMO	Ant1	5795	MCS0	13.77	92.86	0.32	14.09	≤30.00	2.90	16.99	PASS
11N40MIMO	Ant2	5795	MCS0	13.78	92.75	0.33	14.11	≤30.00	2.90	17.01	PASS
11N40MIMO	total	5795	---	---	---	---	17.11	≤30.00	---	23.02	PASS

11N20MIMO	Ant1	5745	MCS0	14.06	97.01	0.13	14.19	≤30.00	2.90	17.09	PASS
11N20MIMO	Ant2	5745	MCS0	13.72	96.30	0.16	13.88	≤30.00	2.90	16.78	PASS
11N20MIMO	total	5745	---	---	---	---	17.05	≤30.00	---	22.96	PASS
11N20MIMO	Ant1	5785	MCS0	13.88	96.27	0.17	14.05	≤30.00	2.90	16.95	PASS
11N20MIMO	Ant2	5785	MCS0	13.94	96.27	0.17	14.11	≤30.00	2.90	17.01	PASS
11N20MIMO	total	5785	---	---	---	---	17.09	≤30.00	---	23.00	PASS
11N20MIMO	Ant1	5825	MCS0	13.62	97.01	0.13	13.75	≤30.00	2.90	16.65	PASS
11N20MIMO	Ant2	5825	MCS0	13.90	97.01	0.13	14.03	≤30.00	2.90	16.93	PASS
11N20MIMO	total	5825	---	---	---	---	16.90	≤30.00	---	22.81	PASS
11AC80MIMO	Ant1	5775	MCS0	13.22	78.26	1.06	14.28	≤30.00	2.90	17.18	PASS
11AC80MIMO	Ant2	5775	MCS0	13.07	82.61	0.83	13.90	≤30.00	2.90	16.80	PASS
11AC80MIMO	total	5775	---	---	---	---	17.10	≤30.00	---	23.01	PASS
11AC40MIMO	Ant1	5755	MCS0	13.65	87.50	0.58	14.23	≤30.00	2.90	17.13	PASS
11AC40MIMO	Ant2	5755	MCS0	13.42	87.50	0.58	14.00	≤30.00	2.90	16.90	PASS
11AC40MIMO	total	5755	---	---	---	---	17.13	≤30.00	---	23.04	PASS
11AC40MIMO	Ant1	5795	MCS0	13.58	87.50	0.58	14.16	≤30.00	2.90	17.06	PASS
11AC40MIMO	Ant2	5795	MCS0	13.50	87.50	0.58	14.08	≤30.00	2.90	16.98	PASS
11AC40MIMO	total	5795	---	---	---	---	17.13	≤30.00	---	23.04	PASS
11AC20MIMO	Ant1	5700	MCS0	13.24	93.15	0.31	13.55	≤23.98	2.90	16.45	PASS
11AC20MIMO	Ant2	5700	MCS0	12.69	93.15	0.31	13.00	≤23.98	2.90	15.90	PASS
11AC20MIMO	total	5700	---	---	---	---	16.29	≤23.98	---	22.20	PASS
11AC20MIMO	Ant1	5745	MCS0	13.97	93.15	0.31	14.28	≤30.00	2.90	17.18	PASS
11AC20MIMO	Ant2	5745	MCS0	13.41	94.44	0.25	13.66	≤30.00	2.90	16.56	PASS
11AC20MIMO	total	5745	---	---	---	---	16.99	≤30.00	---	22.90	PASS
11AC20MIMO	Ant1	5785	MCS0	13.65	93.06	0.31	13.96	≤30.00	2.90	16.86	PASS
11AC20MIMO	Ant2	5785	MCS0	13.76	93.15	0.31	14.07	≤30.00	2.90	16.97	PASS
11AC20MIMO	total	5785	---	---	---	---	17.03	≤30.00	---	22.94	PASS
11AC20MIMO	Ant1	5825	MCS0	13.33	93.15	0.31	13.64	≤30.00	2.90	16.54	PASS
11AC20MIMO	Ant2	5825	MCS0	13.72	93.15	0.31	14.03	≤30.00	2.90	16.93	PASS
11AC20MIMO	total	5825	---	---	---	---	16.85	≤30.00	---	22.76	PASS

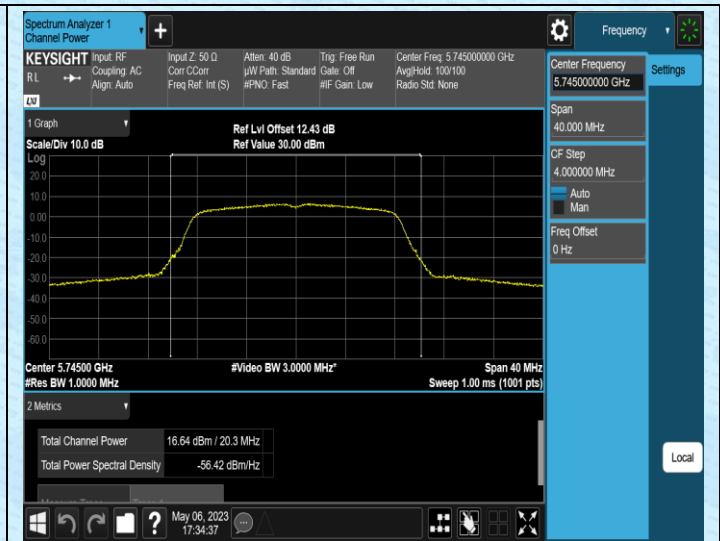
Note: The Duty Cycle Factor is compensated in the graph.

ANT gain:	ANT1:2.9dBi, ANT2:2.9dBi
Directional gain:	$10\log [(10^{\text{ANT1}/20} + 10^{\text{ANT2}/20})/2]$ dBi=5.91 dBi

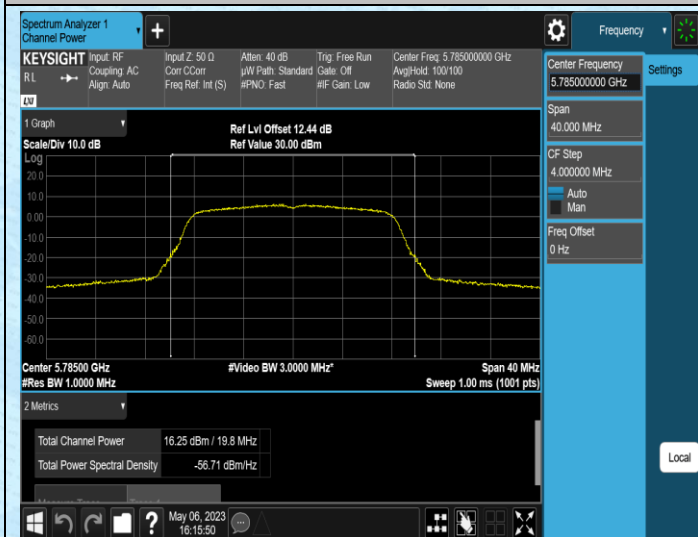
Test Graphs Channel Power



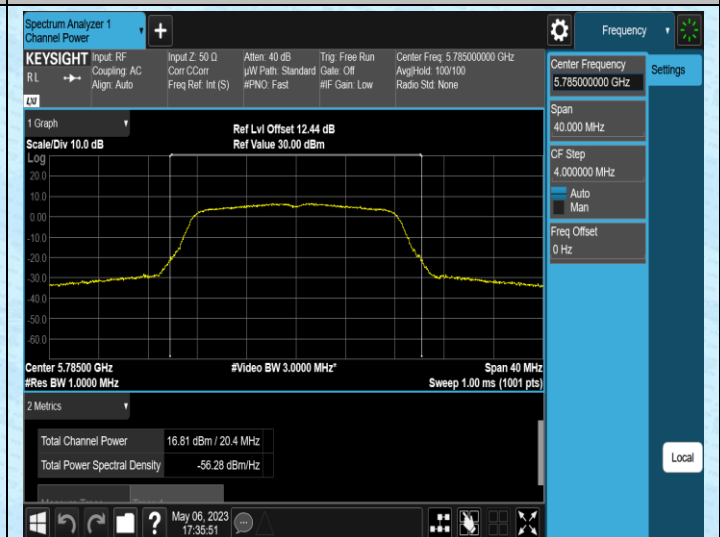
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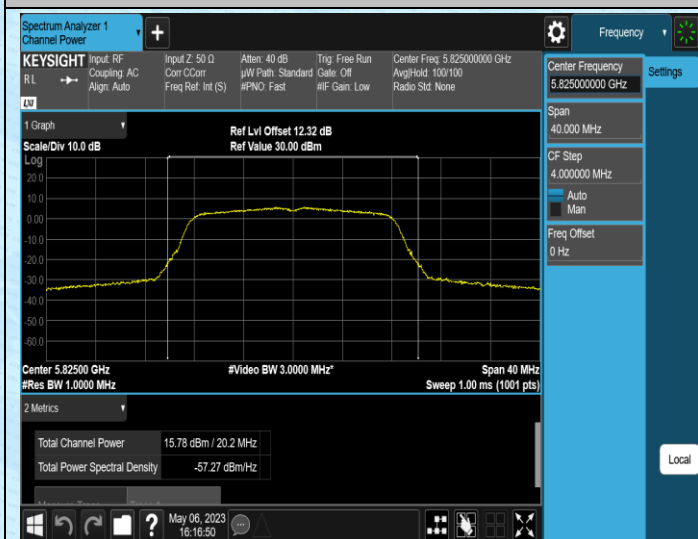
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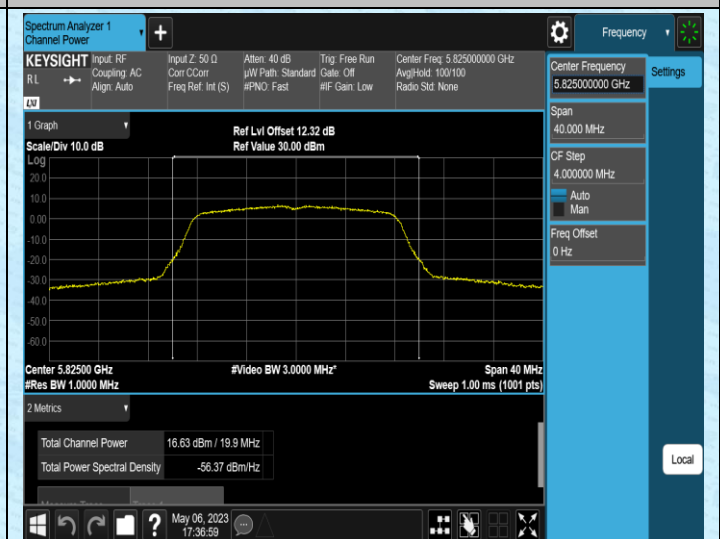
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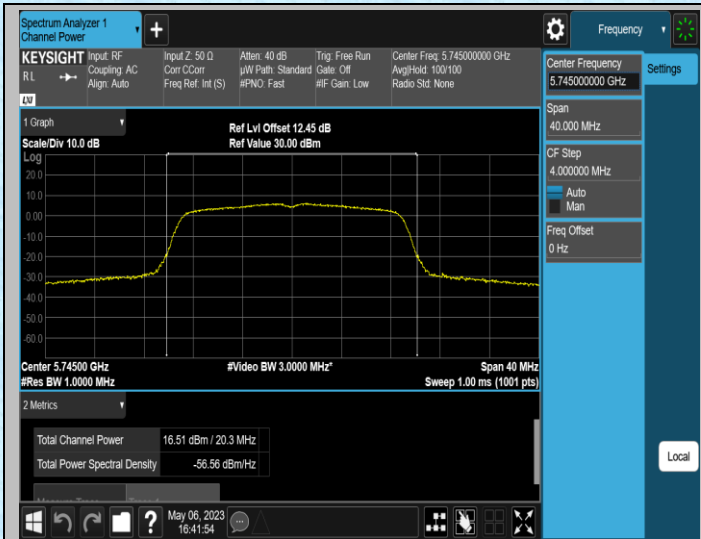
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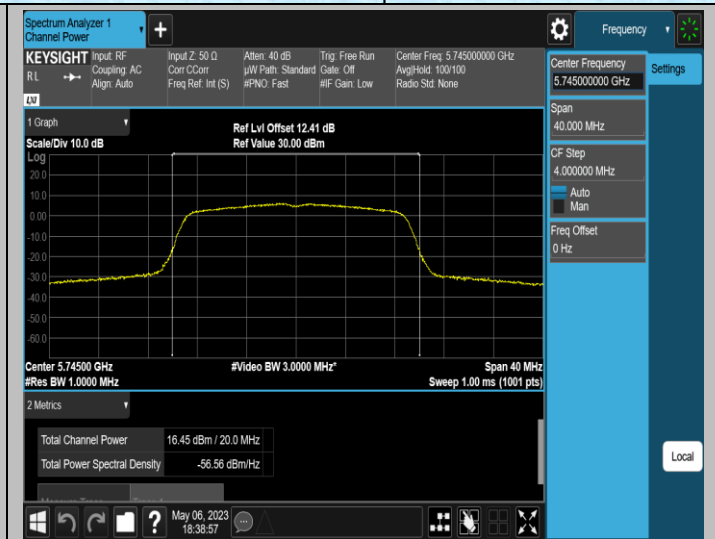
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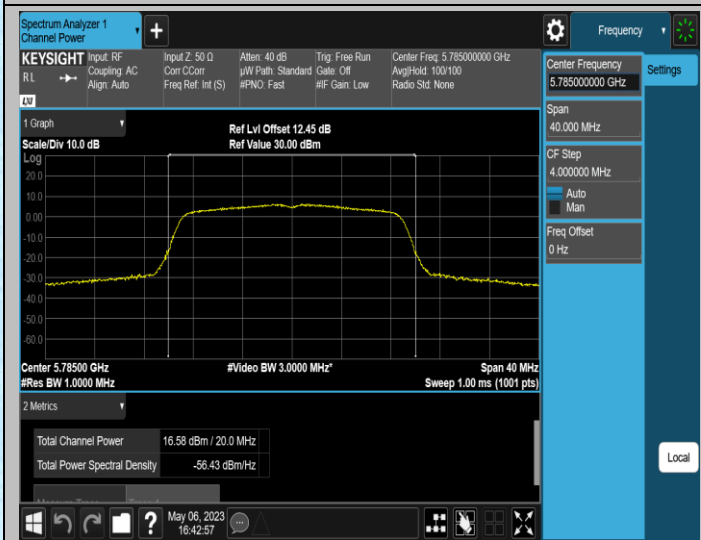
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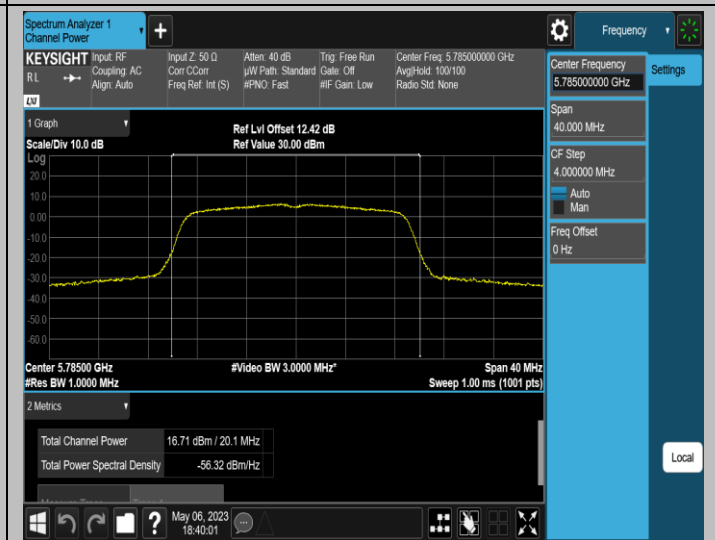
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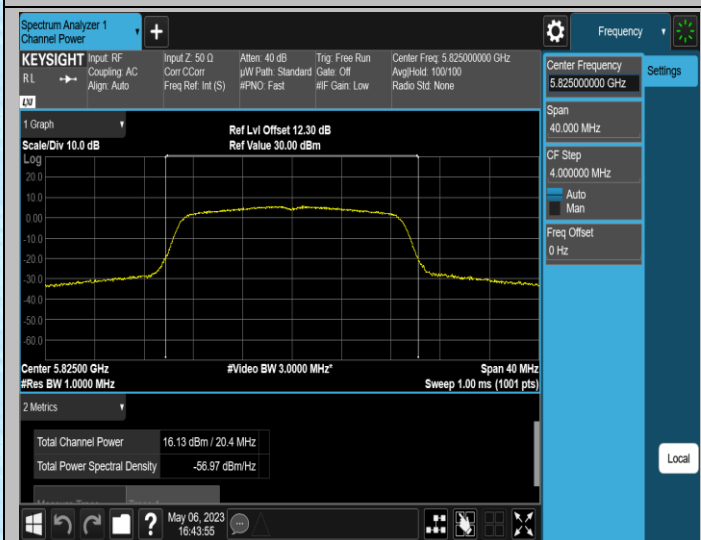
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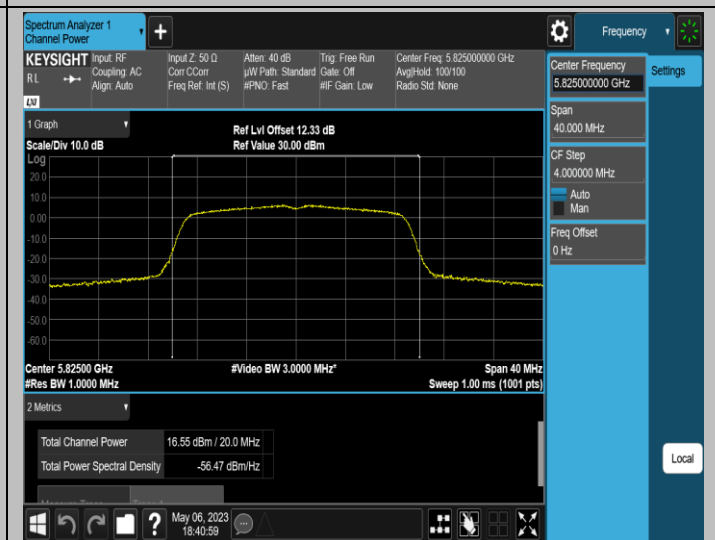
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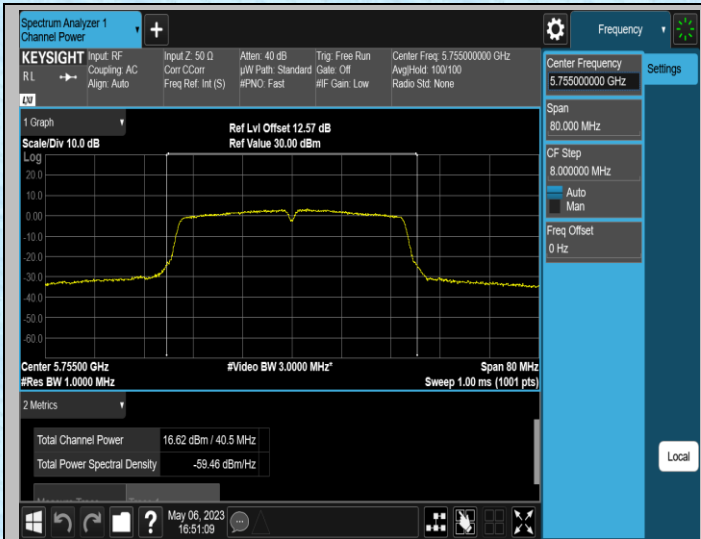
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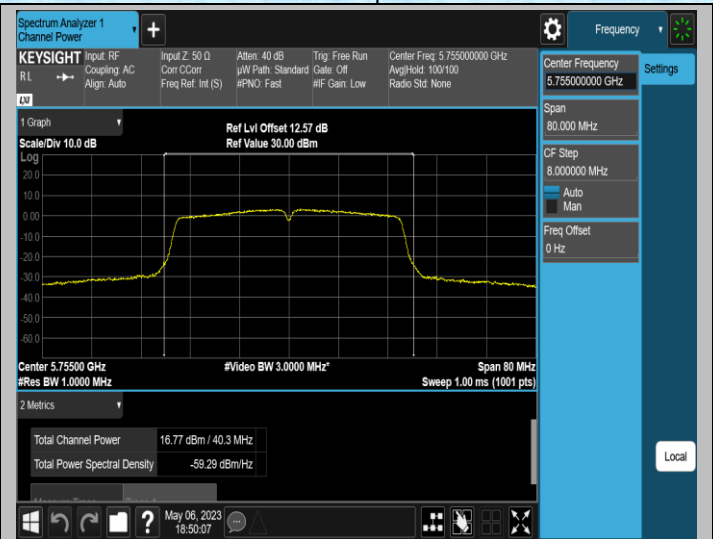
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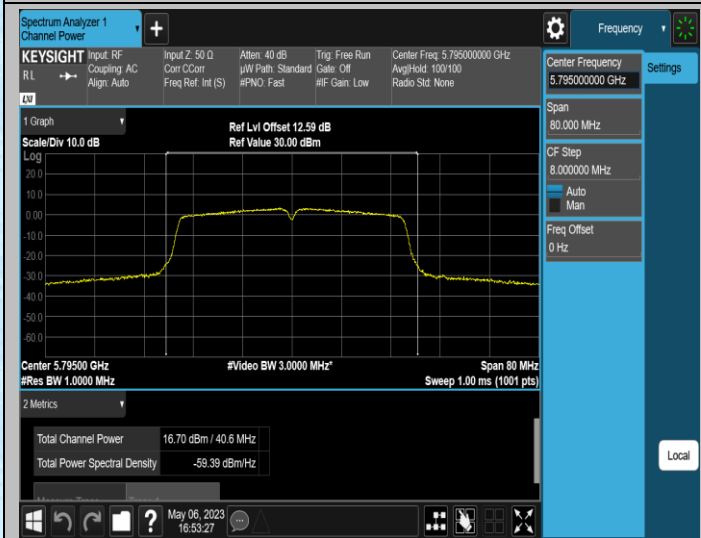
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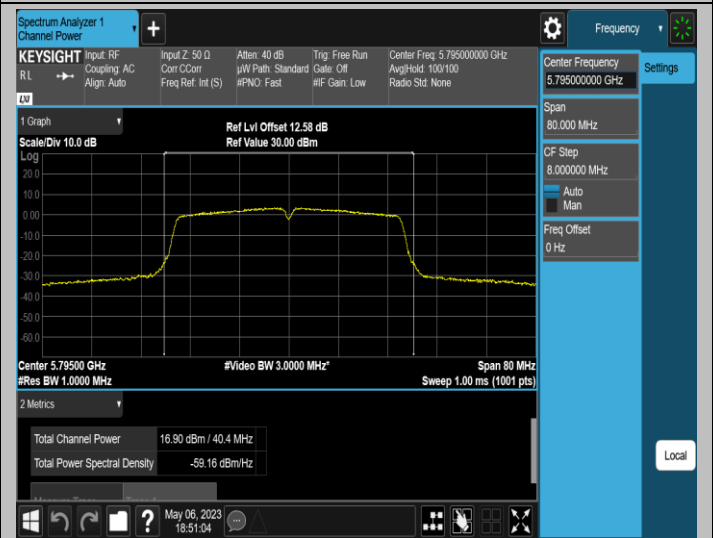
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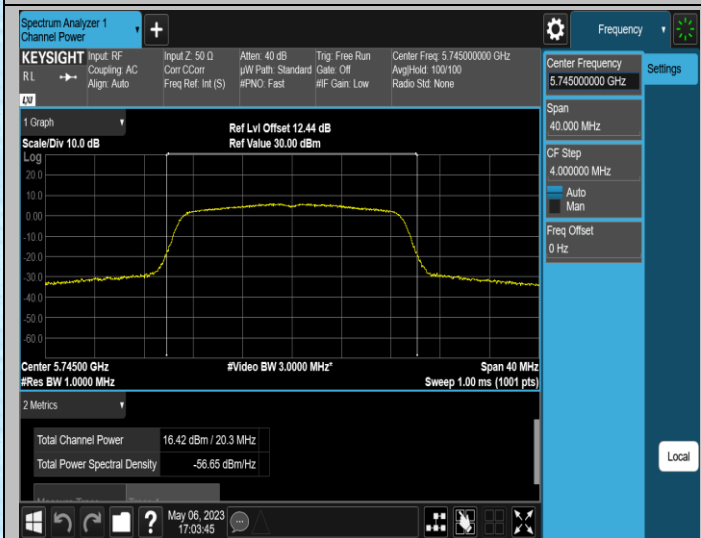
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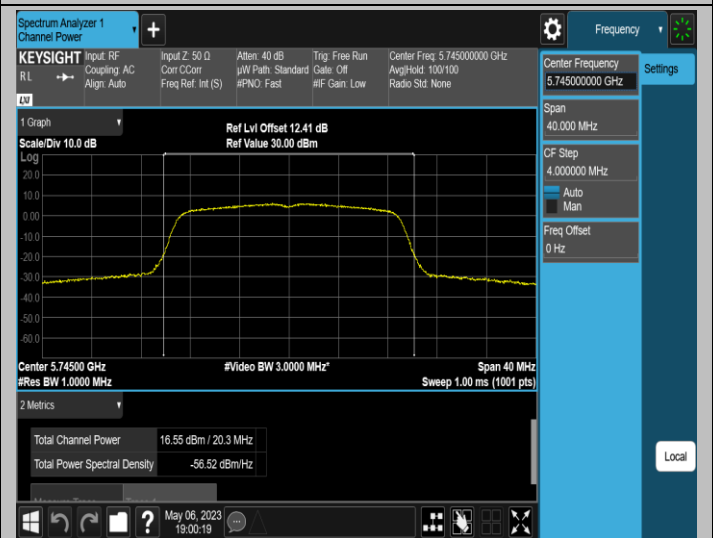
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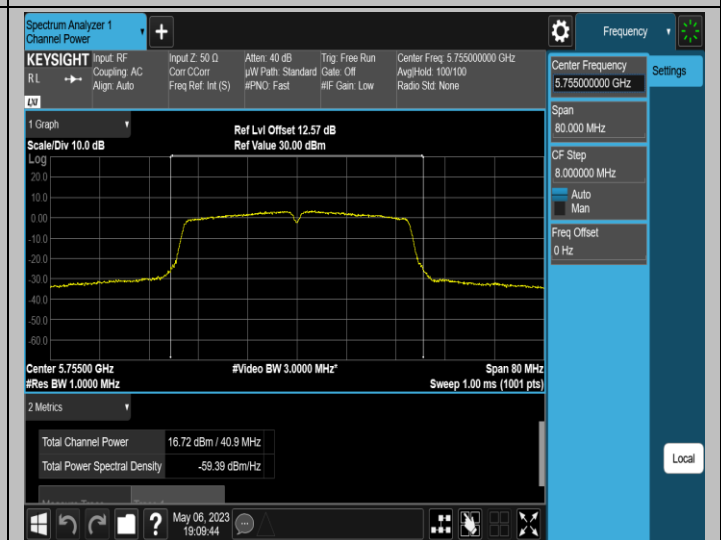
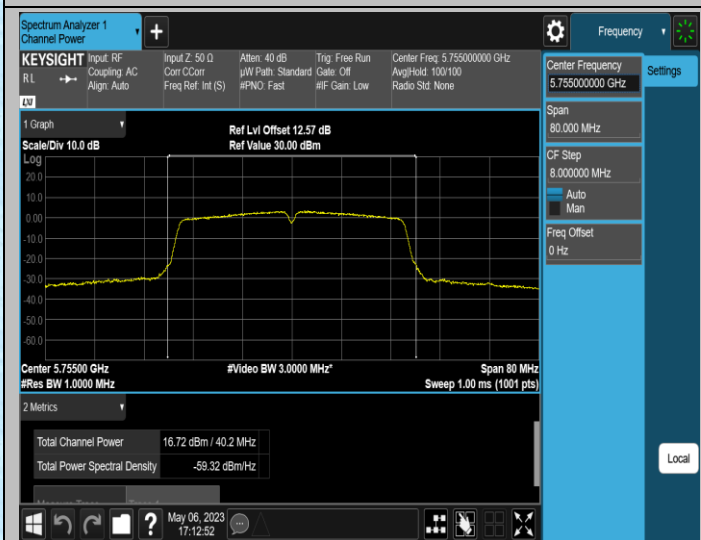
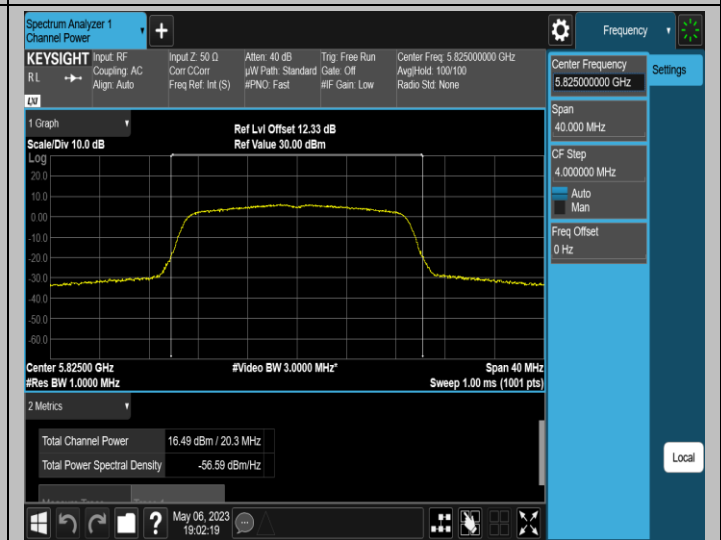
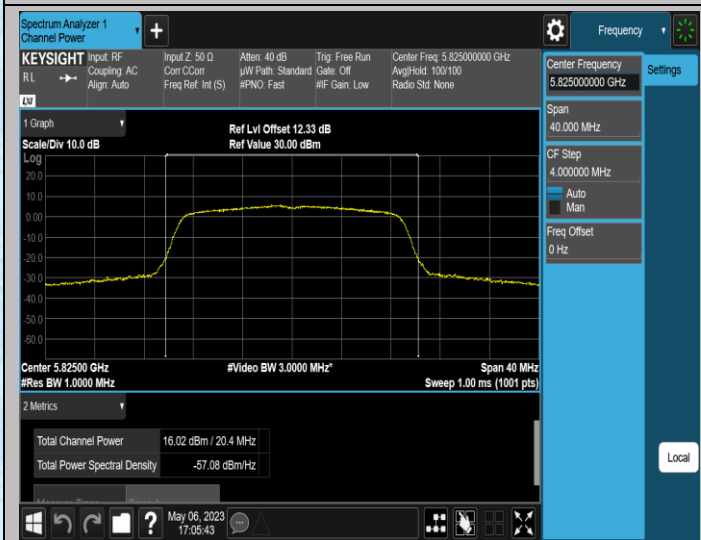
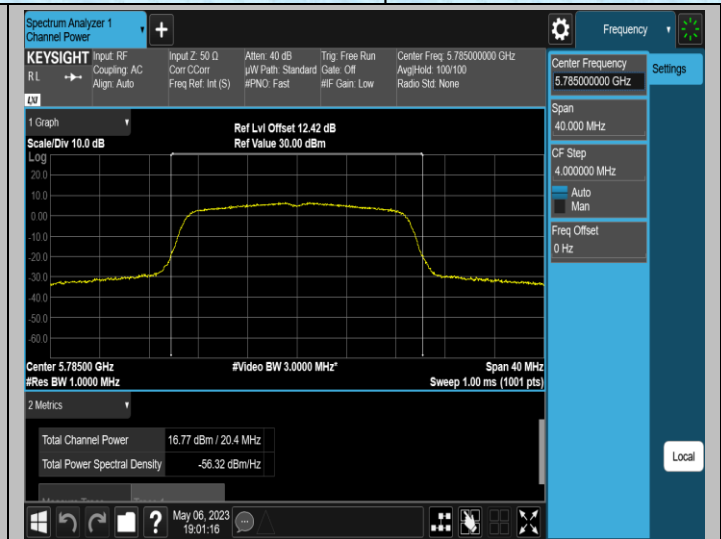
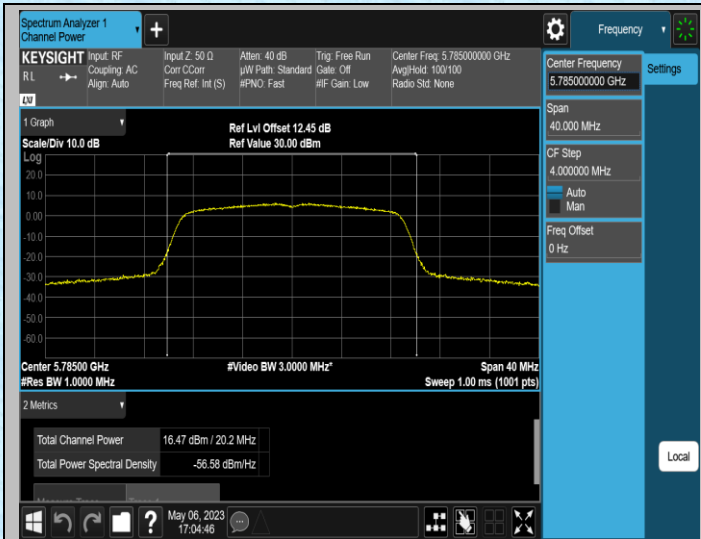
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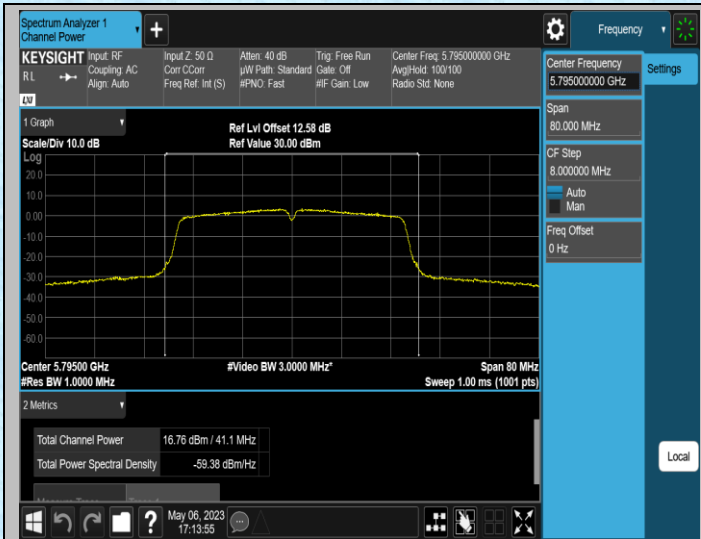


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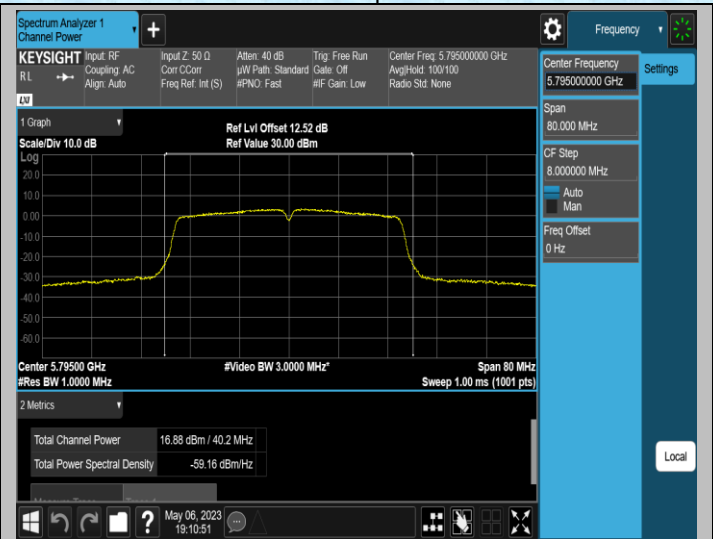


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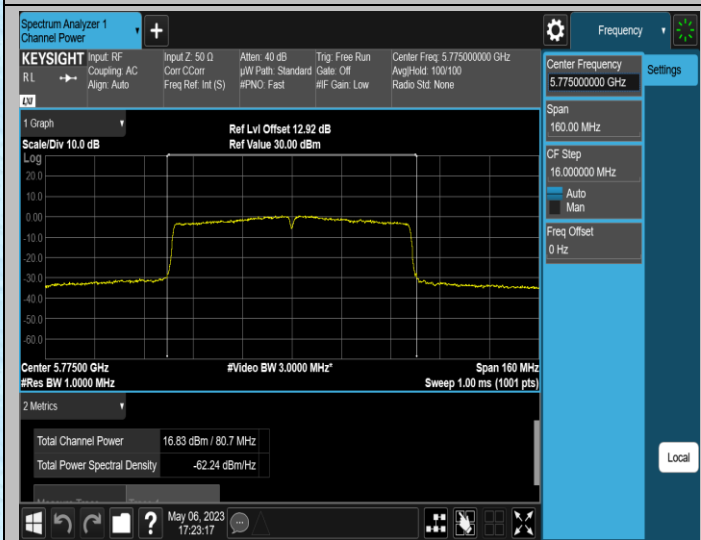




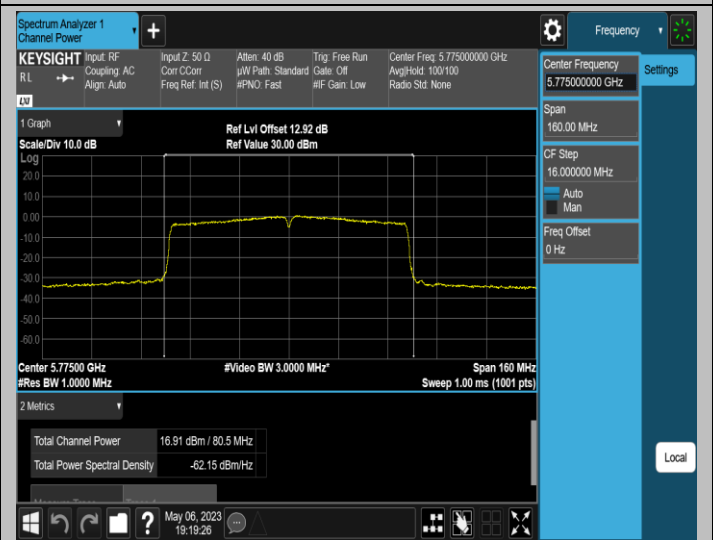
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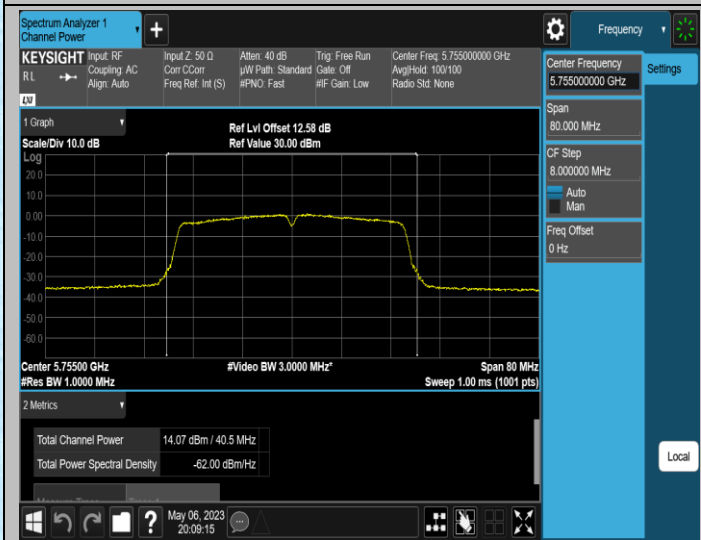
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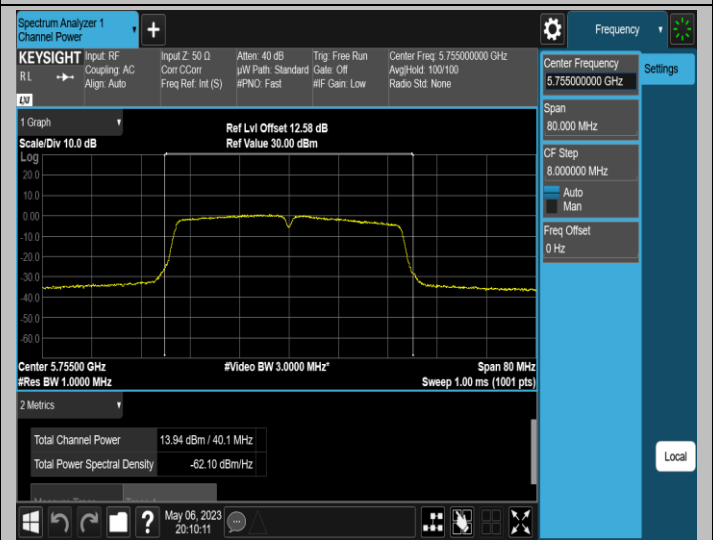
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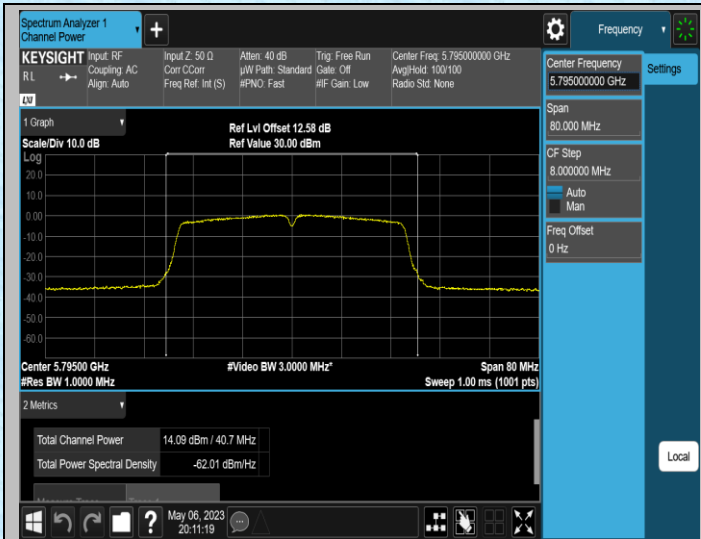
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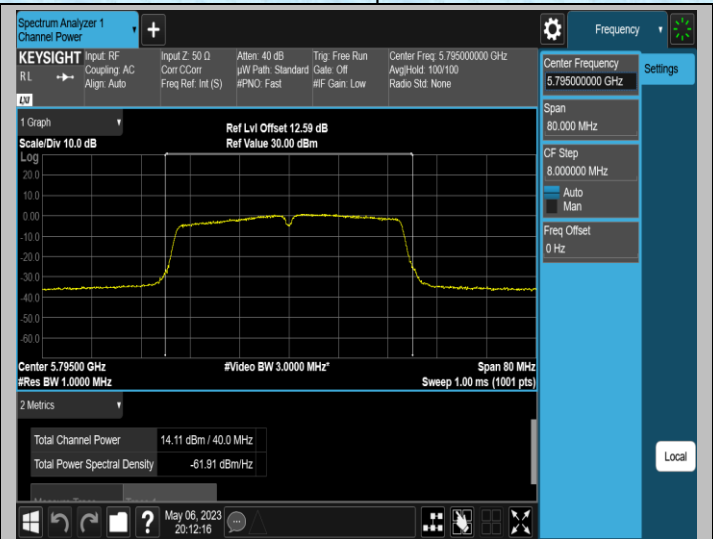
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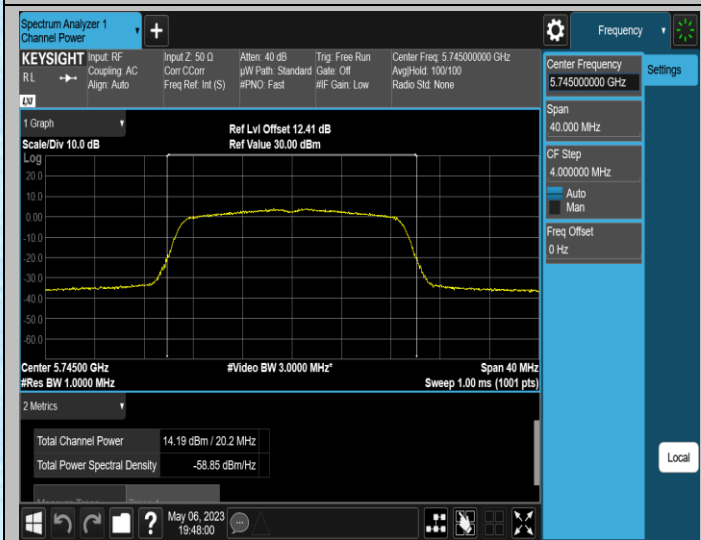
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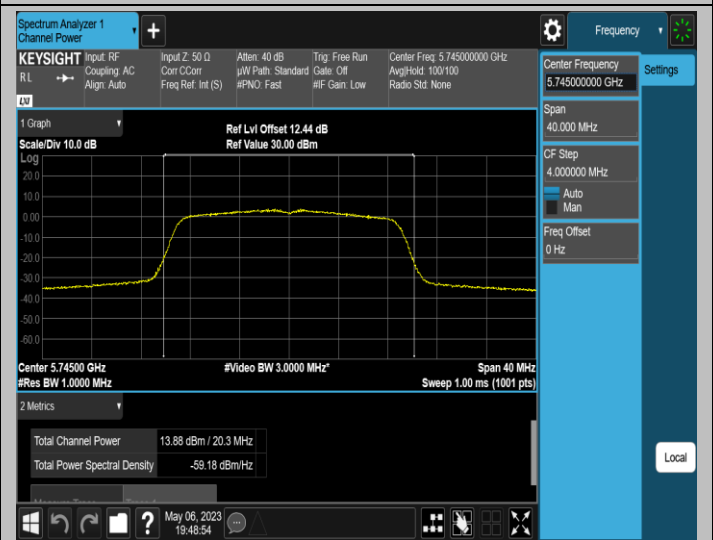
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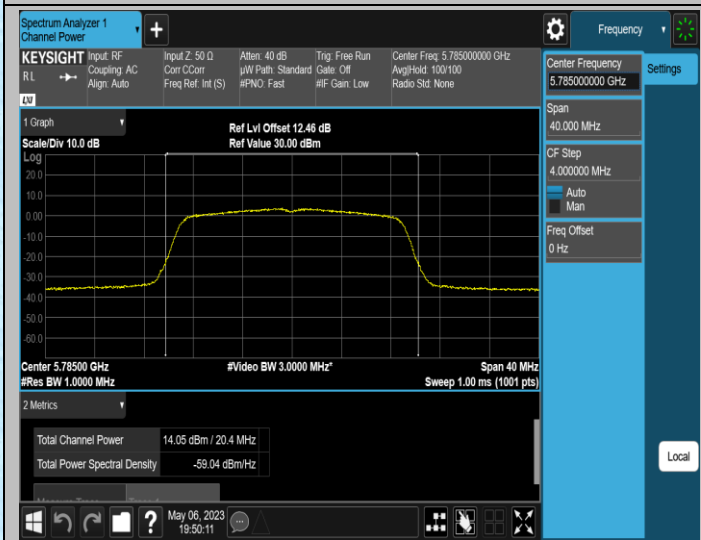
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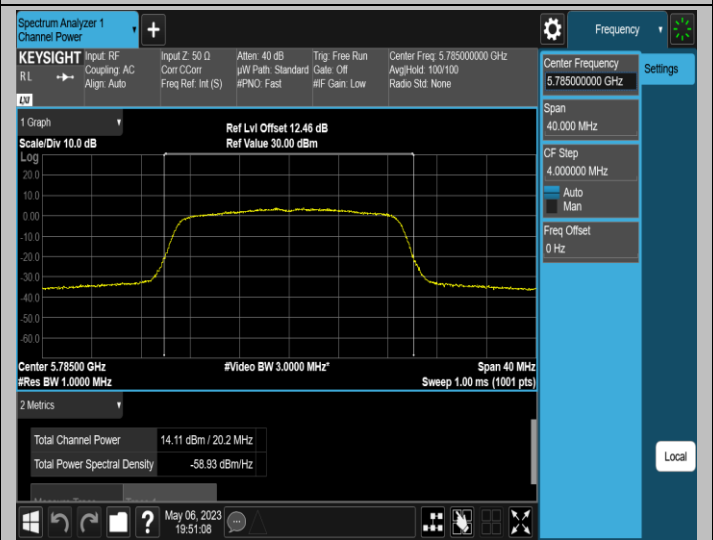
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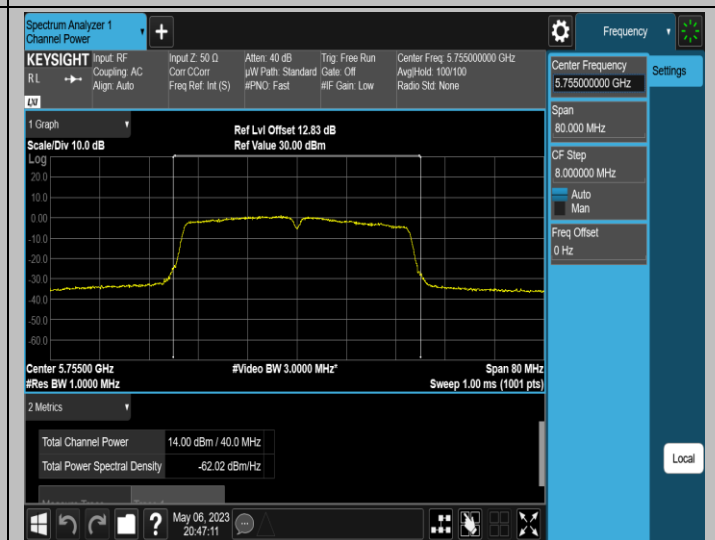
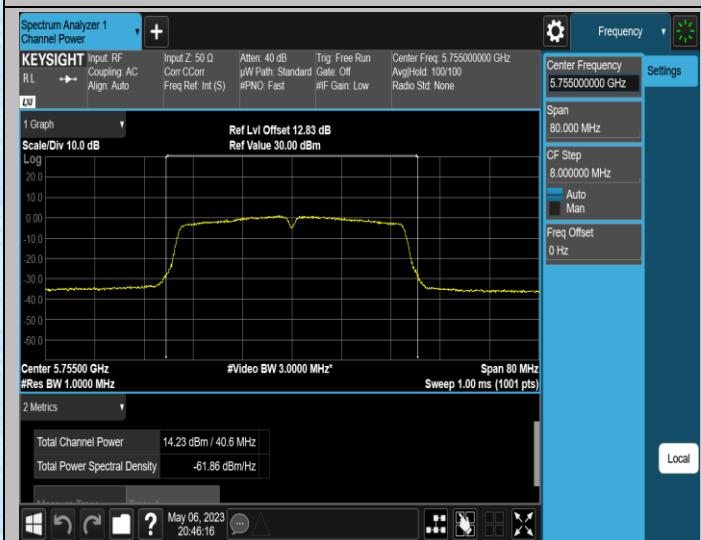
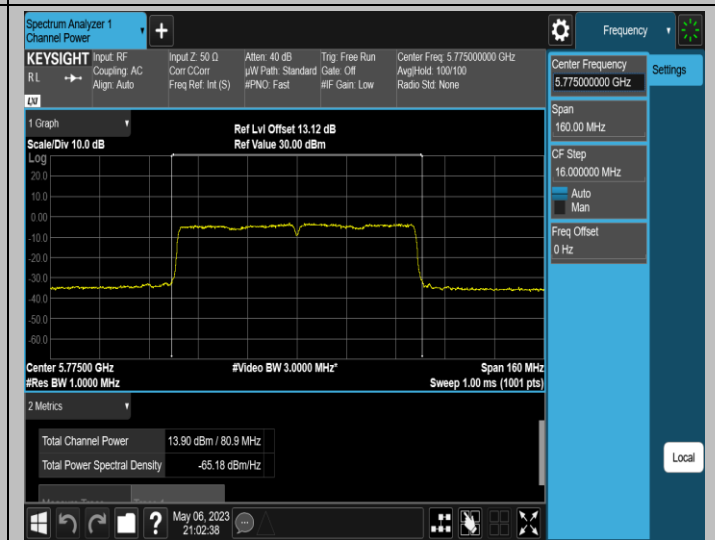
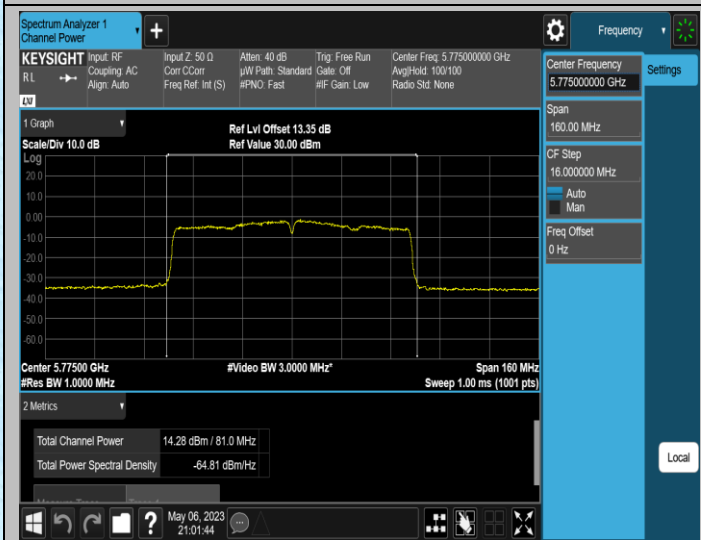
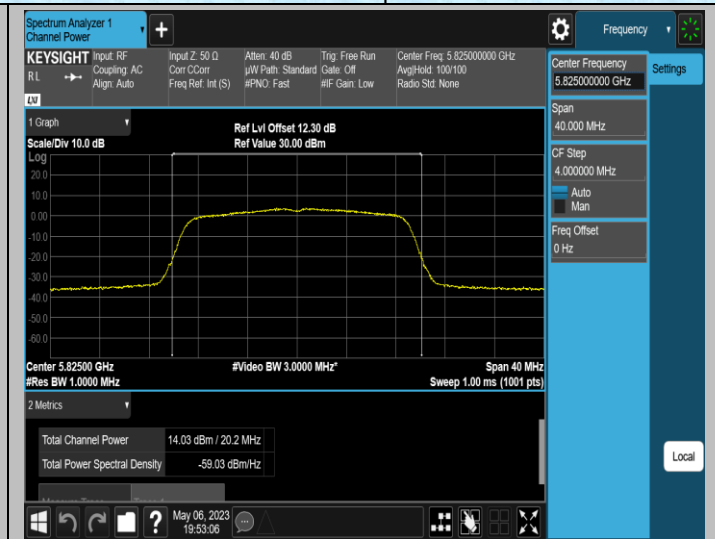
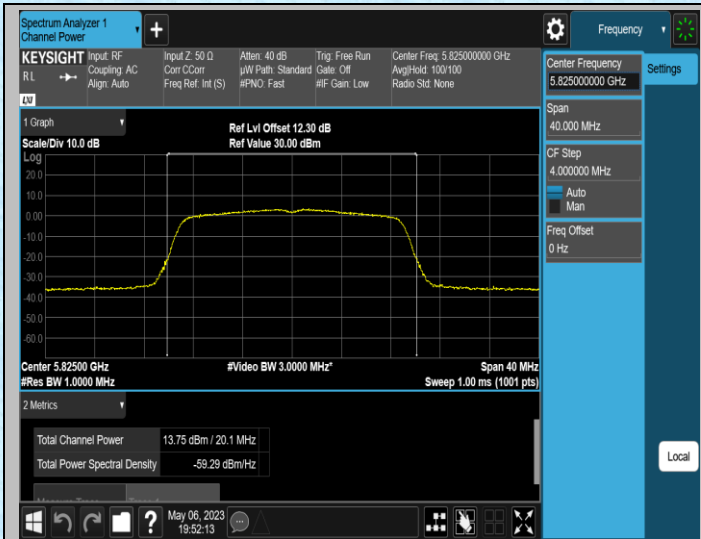
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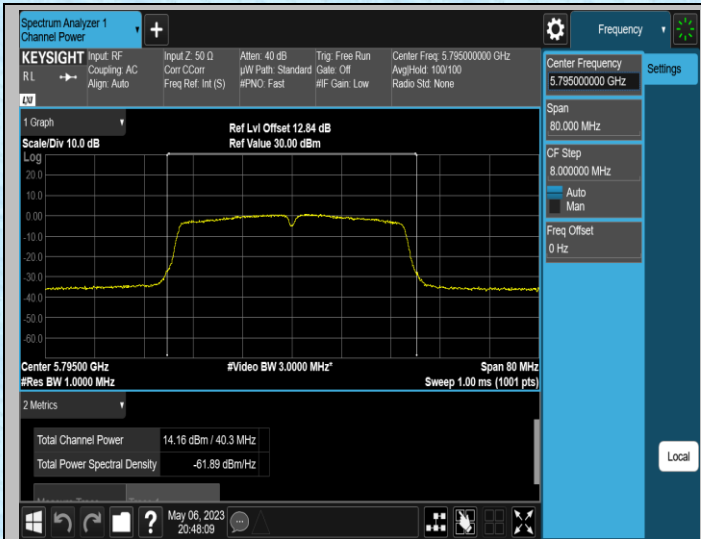


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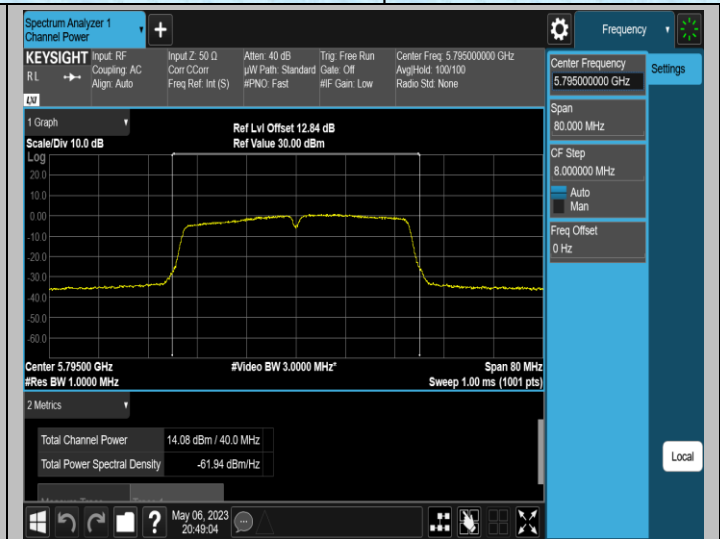


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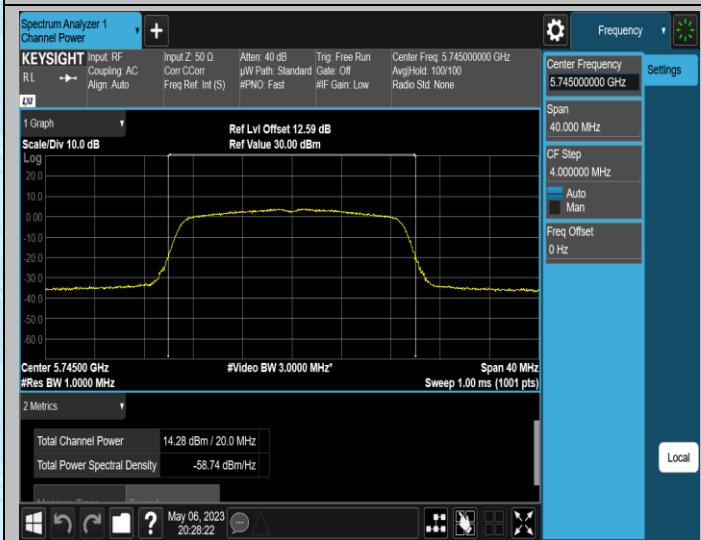




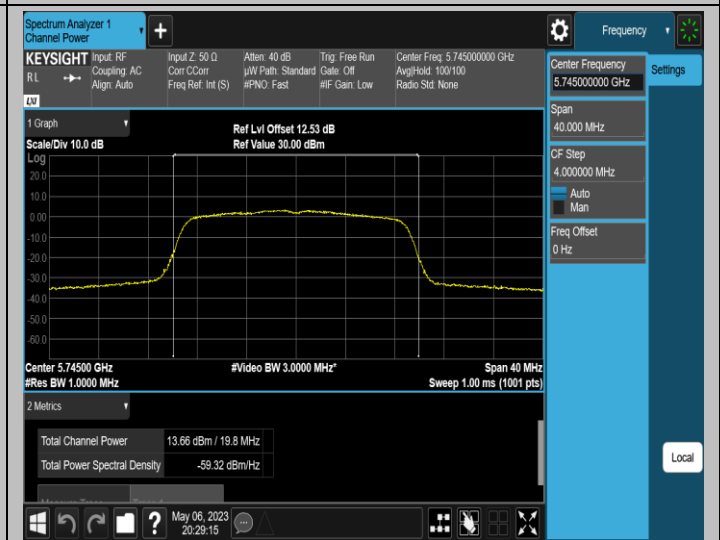
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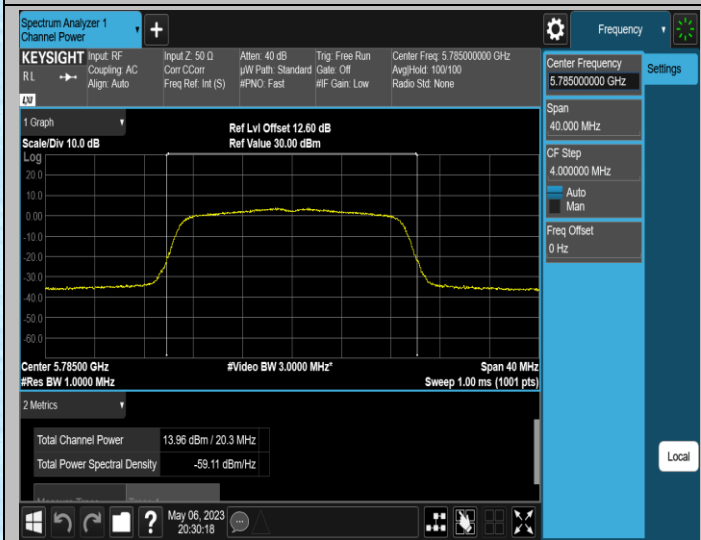
11AC40MIMO-Ant2-5795



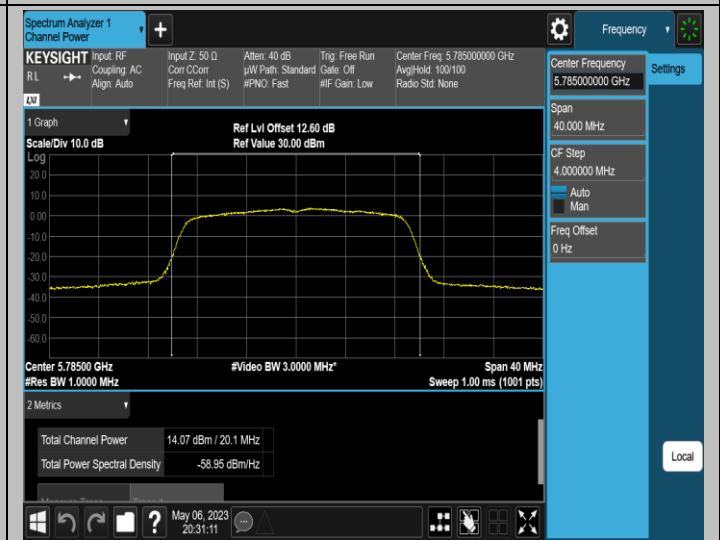
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11AC20MIMO-Ant2-5745



11AC20MIMO-Ant1-5785



11AC20MIMO-Ant2-5785

