11N40SISO_Ant1_5755

11N40SISO_Ant1_5795

11AC20SISO_Ant1_5745

11AC20SISO_Ant1_5785

11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5755

11AC40SISO_Ant1_5795

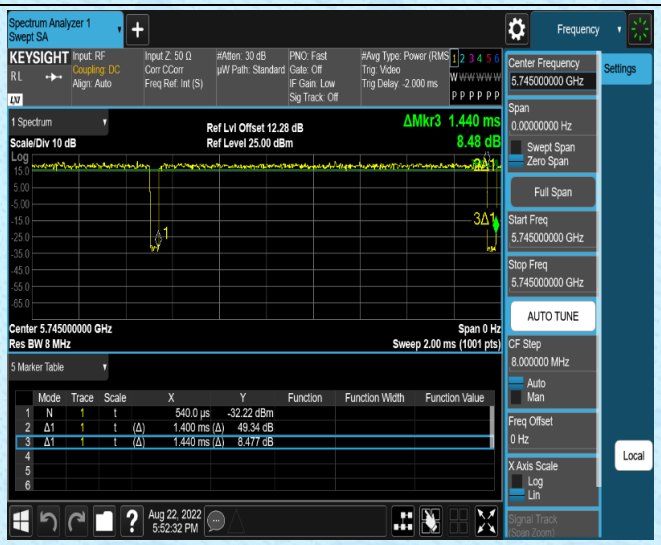
11AC80SISO_Ant1_5775

4. Duty Cycle

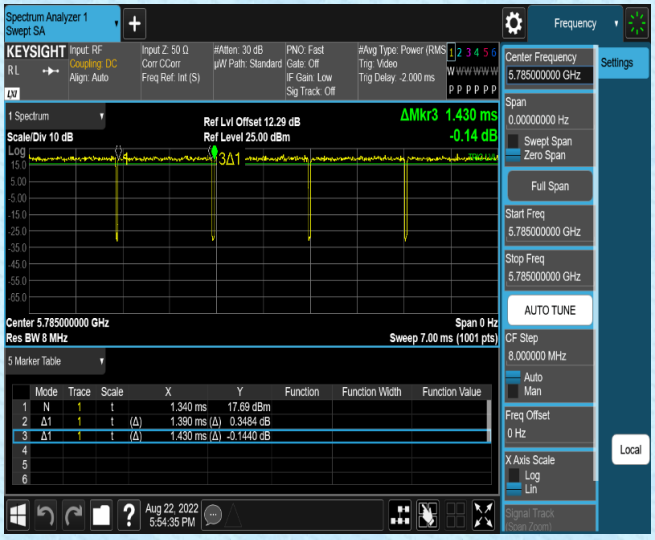
Test Result

TestMode	Antenna	Fre.[MHz]	Rate	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle[%]	Duty Cycle factor	Verdict
11A	Ant1	5745	6Mbps	1.40	1.44	97.22	0.12	---
		5785	6Mbps	1.39	1.43	97.20	0.12	---
		5825	6Mbps	1.39	1.43	97.20	0.12	---
11N20SISO	Ant1	5745	MCS0	1.30	1.35	96.30	0.16	---
		5785	MCS0	1.31	1.35	97.04	0.13	---
		5825	MCS0	1.30	1.34	97.01	0.13	---
11N40SISO	Ant1	5755	MCS0	0.65	0.69	94.20	0.26	---
		5795	MCS0	0.65	0.69	94.20	0.26	---
11AC20SISO	Ant1	5745	MCS0	1.32	1.36	97.06	0.13	---
		5785	MCS0	1.32	1.36	97.06	0.13	---
		5825	MCS0	1.32	1.36	97.06	0.13	---
11AC40SISO	Ant1	5755	MCS0	0.66	0.70	94.29	0.26	---
		5795	MCS0	0.66	0.70	94.29	0.26	---
11AC80SISO	Ant1	5775	MCS0	0.32	0.37	86.49	0.63	---

Test Graphs



11A_Ant1_5745



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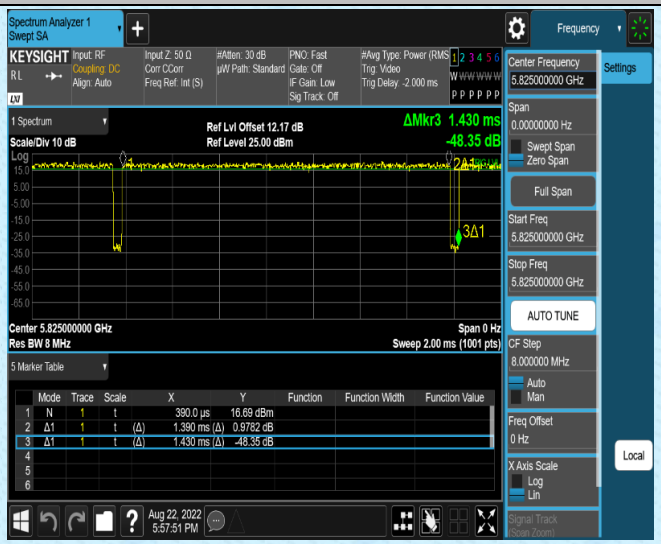

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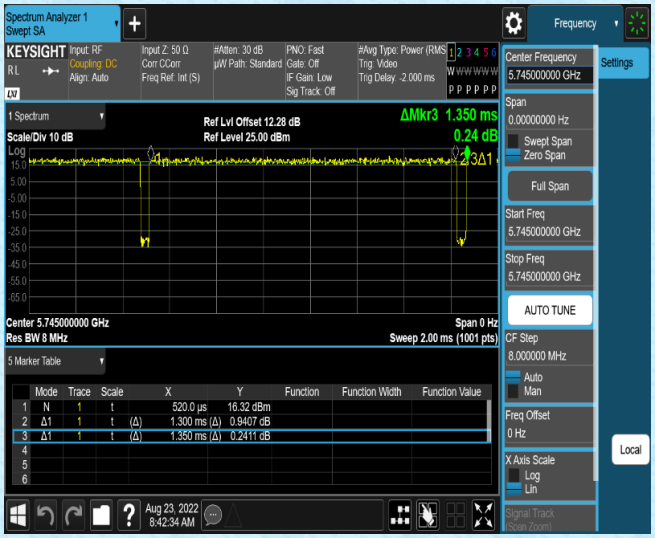

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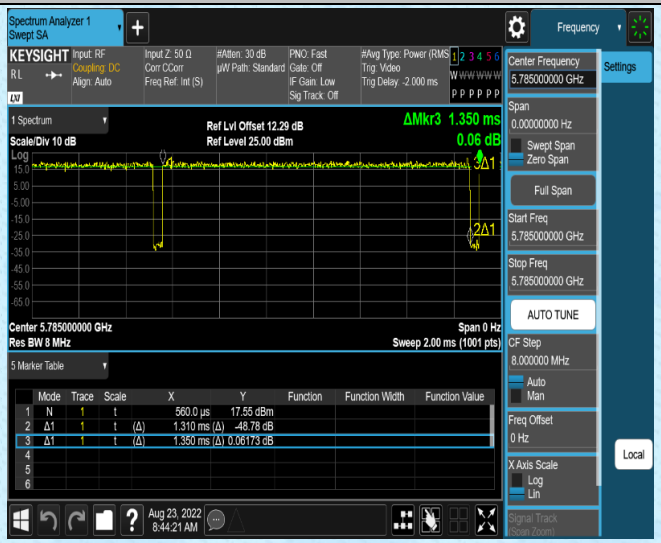

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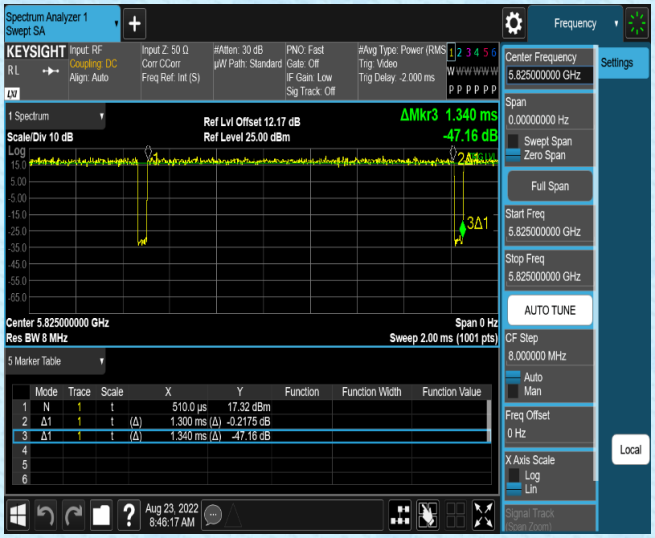

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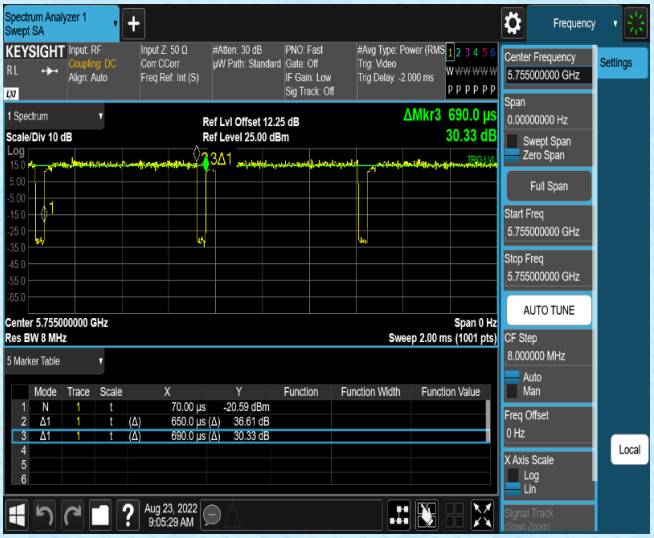

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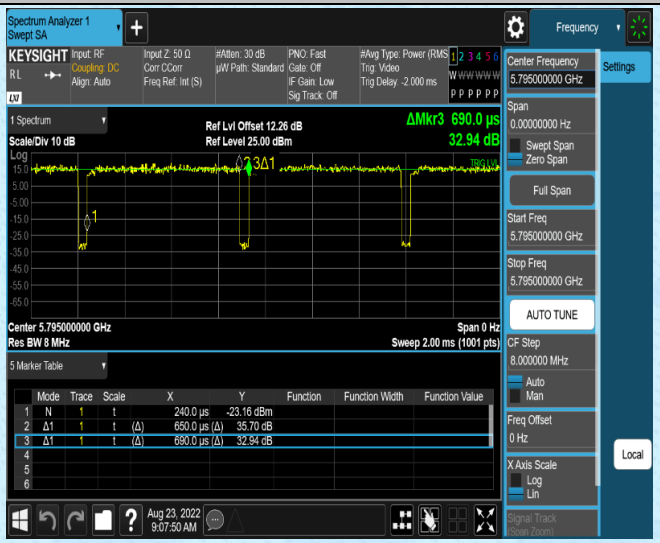

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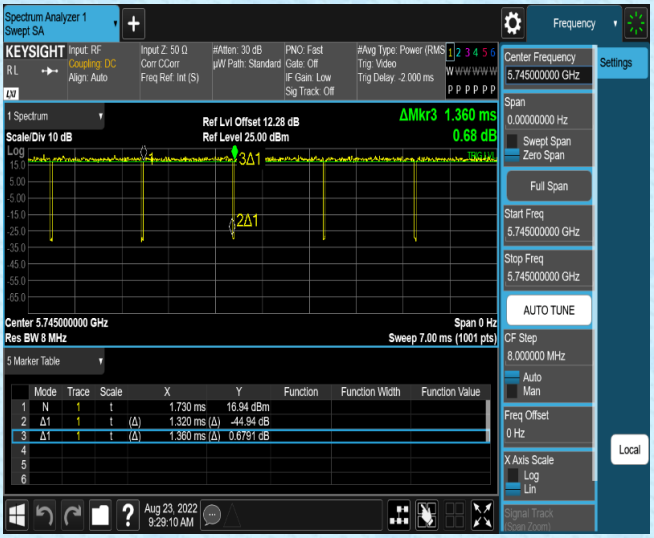

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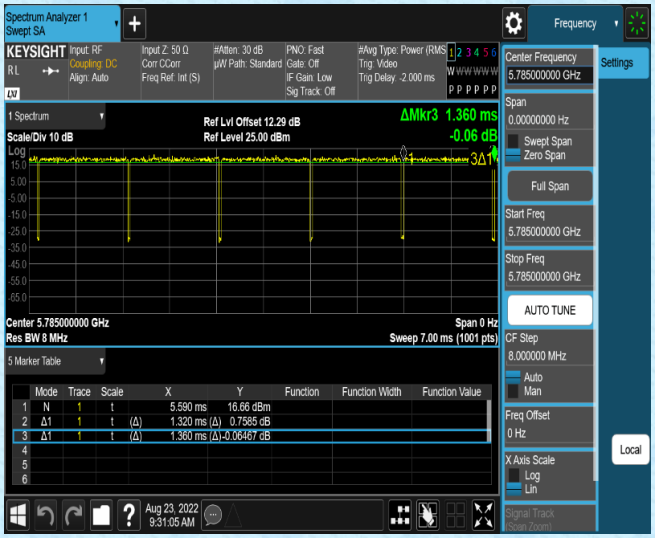

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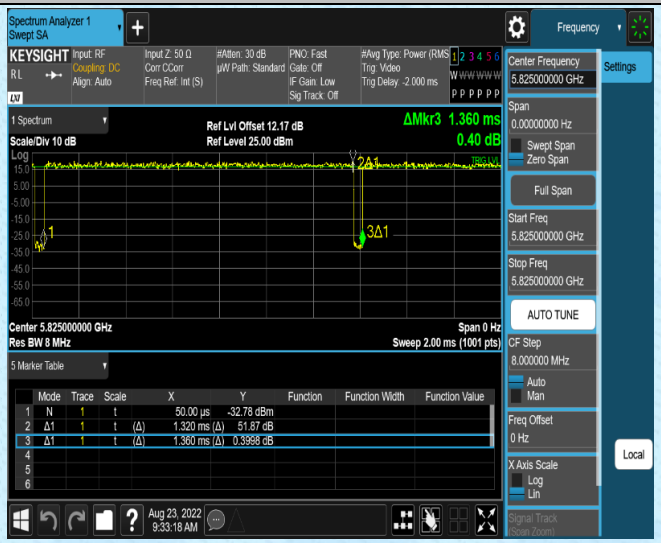

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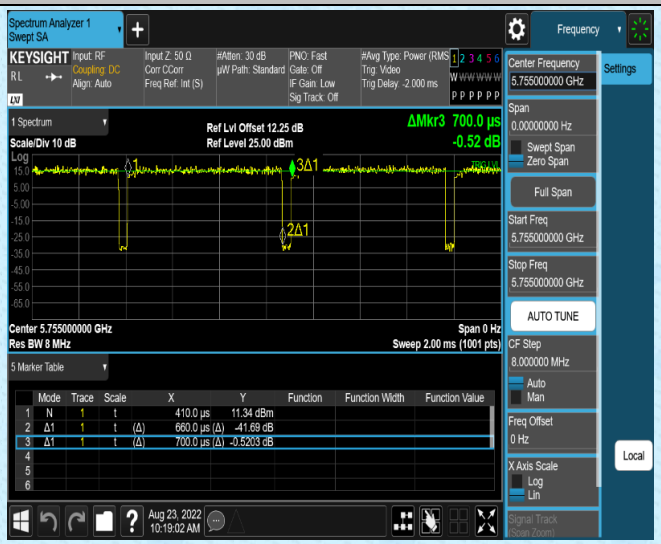

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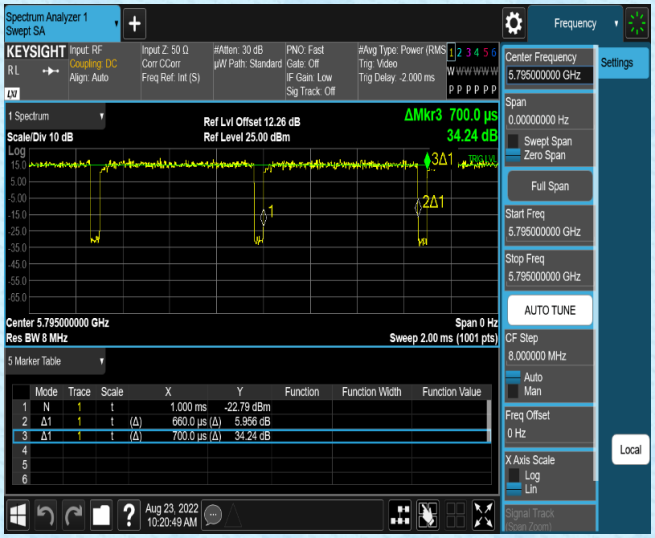
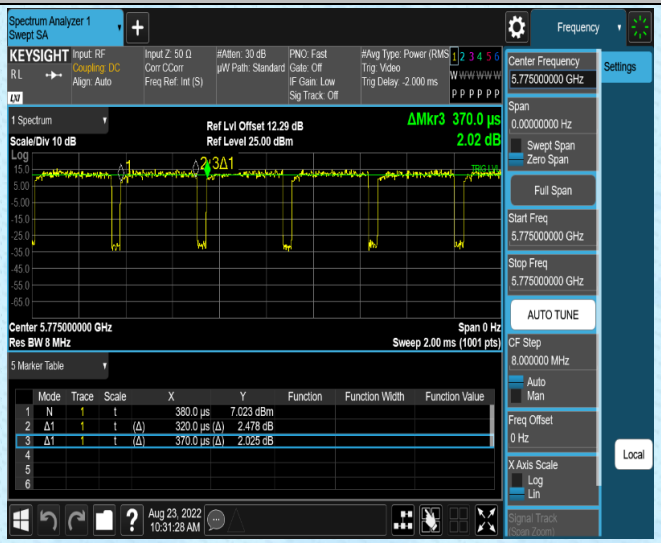


11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

5. Maximum conducted output power

Test Result

TestMode	Antenna	Fre.[MHz]	Rate	DC[%]	Power[dBm]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	6Mbps	97.22	15.31	15.43	≤29.18	PASS
		5785	6Mbps	97.20	15.08	15.20	≤29.18	PASS
		5825	6Mbps	97.20	14.70	14.82	≤29.18	PASS
11N20 SISO	Ant1	5745	MCS0	96.30	14.98	15.14	≤29.18	PASS
		5785	MCS0	97.04	14.79	14.92	≤29.18	PASS
		5825	MCS0	97.01	14.17	14.30	≤29.18	PASS
11N40 SISO	Ant1	5755	MCS0	94.20	15.28	15.54	≤29.18	PASS
		5795	MCS0	94.20	15.02	15.28	≤29.18	PASS
11AC20 SISO	Ant1	5745	MCS0	97.06	15.25	15.38	≤29.18	PASS
		5785	MCS0	97.06	14.82	14.95	≤29.18	PASS
		5825	MCS0	97.06	14.48	14.61	≤29.18	PASS
11AC40 SISO	Ant1	5755	MCS0	94.29	15.31	15.57	≤29.18	PASS
		5795	MCS0	94.29	15.08	15.34	≤29.18	PASS
11AC80 SISO	Ant1	5775	MCS0	86.49	15.09	15.72	≤29.18	PASS

Note:

According to the standard of test,maximum conducted output power shall be calculate as follow: Power+10log(1/x),Power is measured value in dBm,and x is DC(Duty cycle).

6. Maximum power spectral density

Test Result

TestMode	Antenna	Fre. [MHz]	Rate	DC[%]	PSD(dBm/300kHz)	Result(dBm/500kHz)	Limit(dBm/500kHz)	Verdict
11A	Ant1	5745	6Mbps	97.22	2.88	5.10	≤29.18	PASS
		5785	6Mbps	97.20	2.43	4.65	≤29.18	PASS
		5825	6Mbps	97.20	2.56	4.78	≤29.18	PASS
11N20SISO	Ant1	5745	MCS0	96.30	2.14	4.36	≤29.18	PASS
		5785	MCS0	97.04	2.12	4.34	≤29.18	PASS
		5825	MCS0	97.01	1.86	4.08	≤29.18	PASS
11N40SISO	Ant1	5755	MCS0	94.20	-0.51	1.71	≤29.18	PASS
		5795	MCS0	94.20	-0.97	1.25	≤29.18	PASS
11AC20SISO	Ant1	5745	MCS0	97.06	2.46	4.68	≤29.18	PASS
		5785	MCS0	97.06	2.18	4.40	≤29.18	PASS
		5825	MCS0	97.06	1.46	3.68	≤29.18	PASS
11AC40SISO	Ant1	5755	MCS0	94.29	-0.79	1.43	≤29.18	PASS
		5795	MCS0	94.29	-0.92	1.30	≤29.18	PASS
11AC80SISO	Ant1	5775	MCS0	86.49	-3.77	-1.55	≤29.18	PASS

Note:

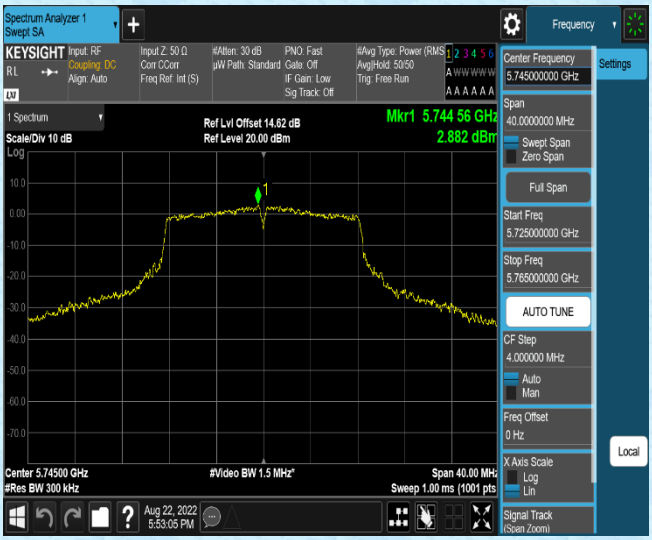
According to the standard of test,maximum power spectral density shall be calculate as follow:

Max PSD=PSD+10log(1/x),PSD is measured value in dBm/MHz,and x is DC(Duty cycle).

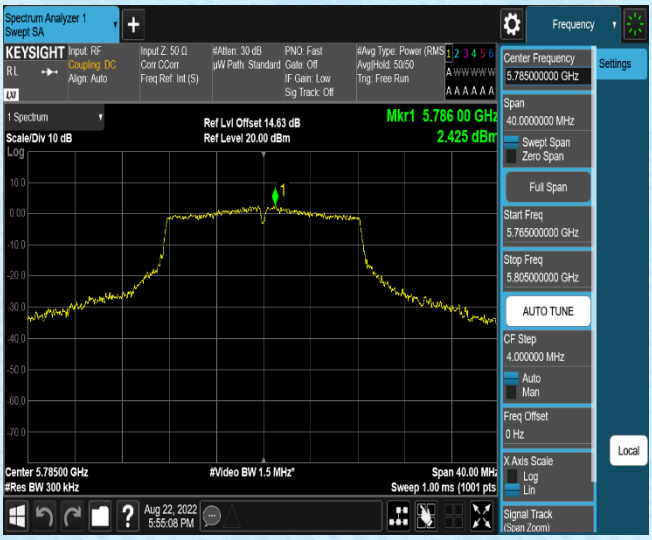
Because of PSD during UNII-3 is in dBm/300kHz,it need to be transformed in dBm/500kHz at first before using the formula above:

PSD(dBm/500kHz)=PSD(dBm/300kHz)+10log(500kHz/300kHz)=2.22

Test Graphs



11A_Ant1_5745



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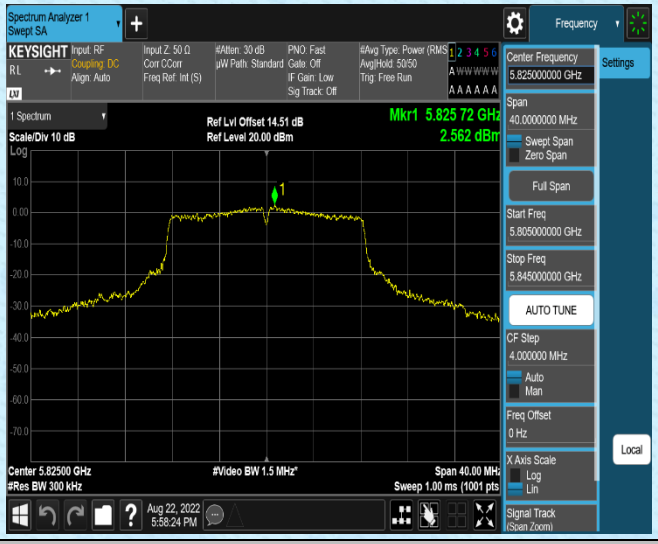

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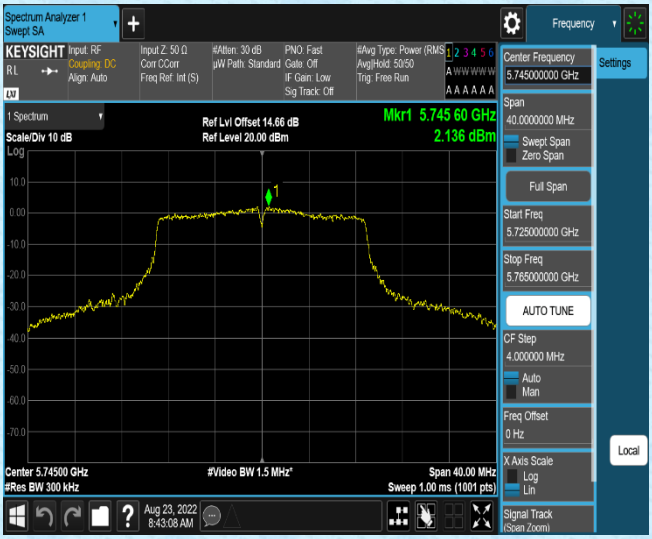

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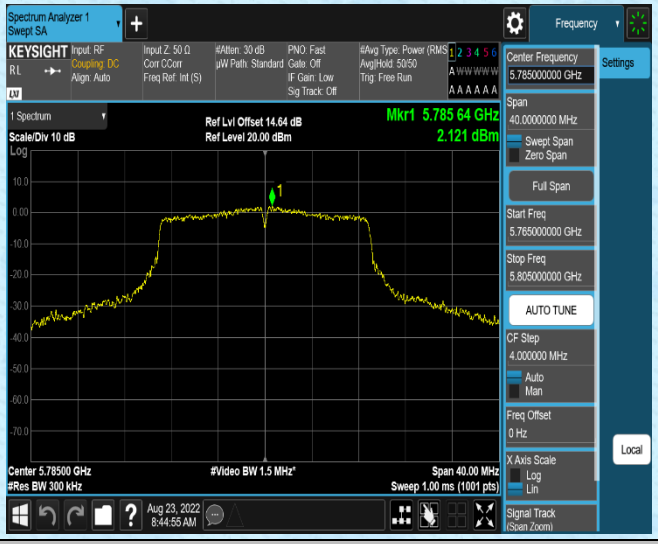

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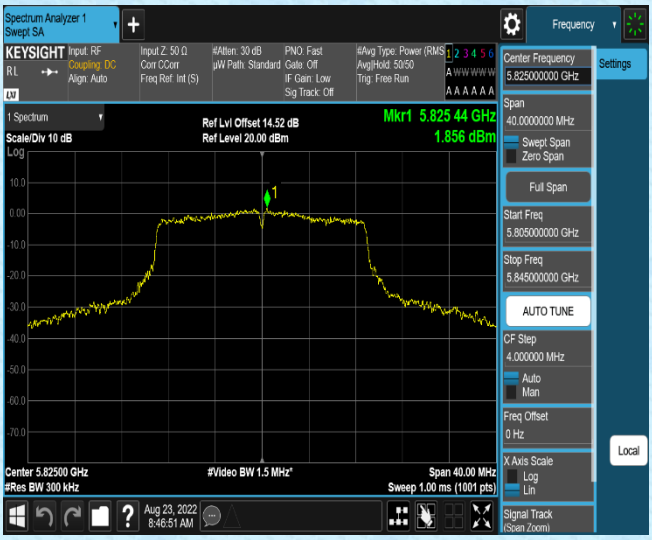

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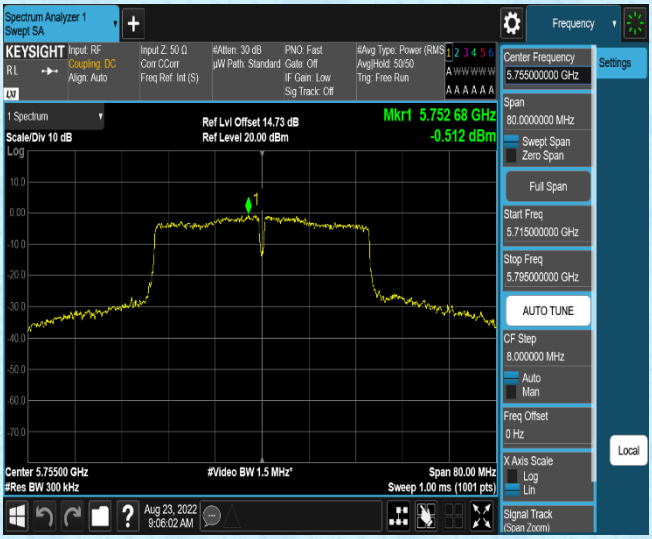

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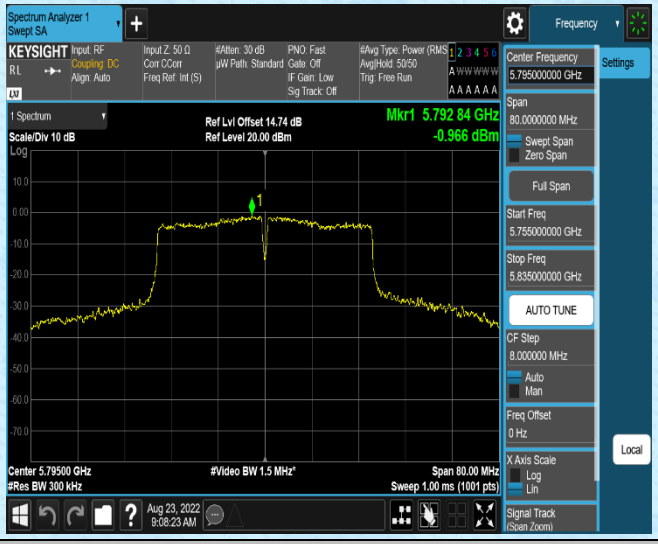

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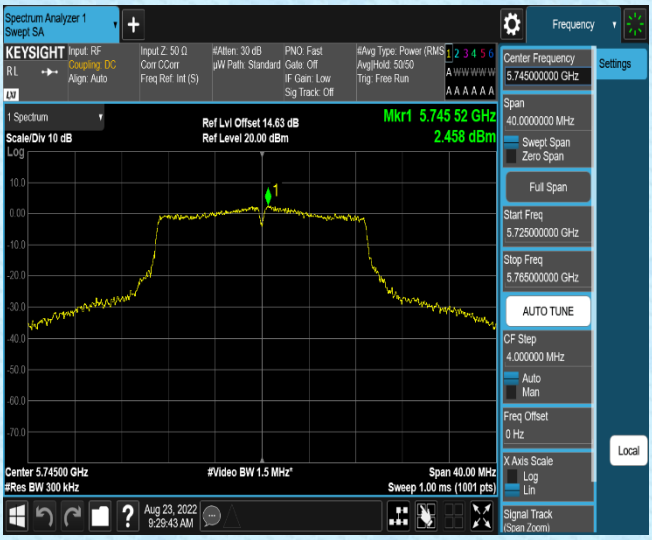

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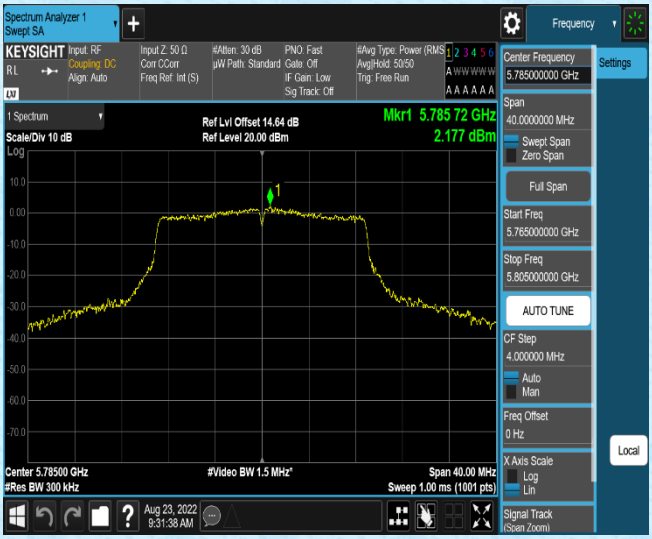

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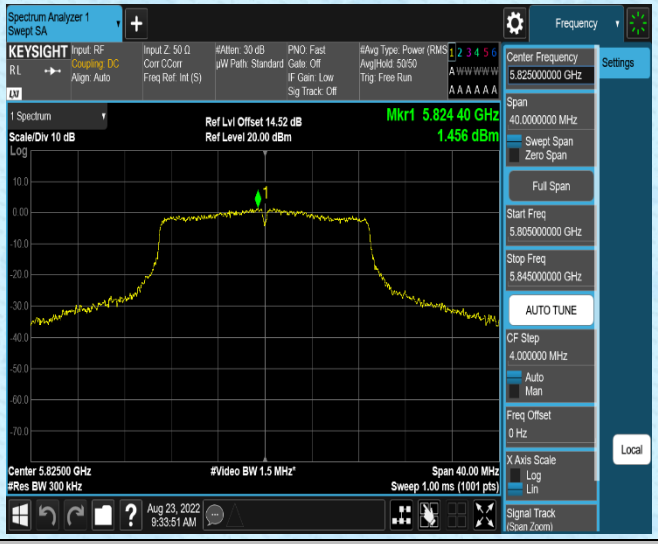

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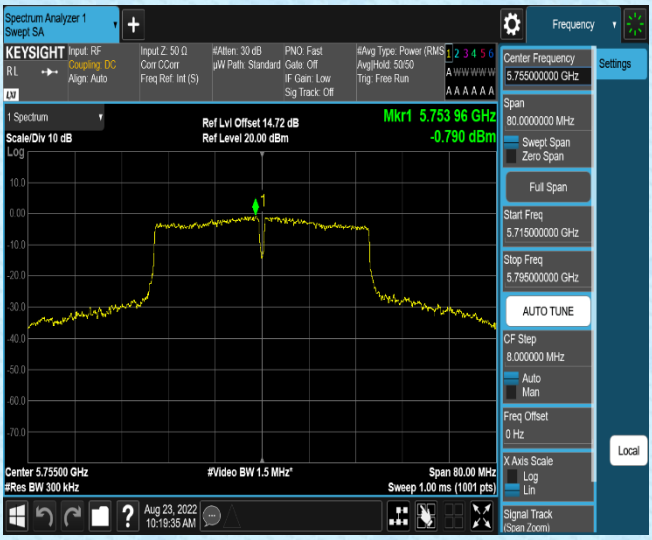

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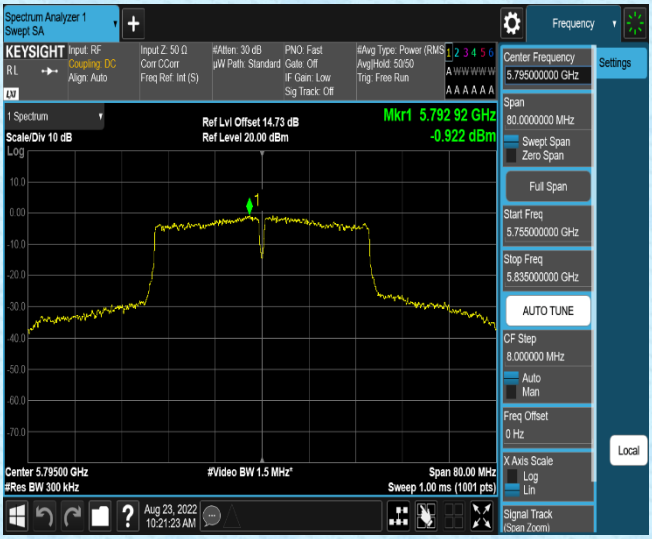

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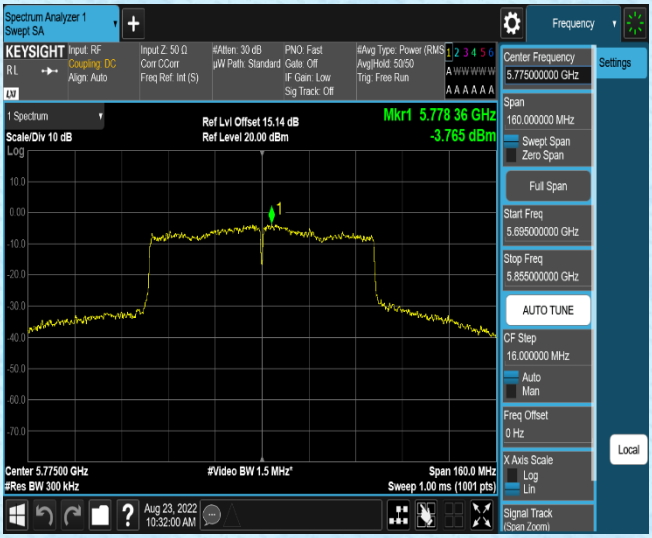

11AC80SISO_Ant1_5775

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