Test Data

1.Emission Bandwidth

Test Result

TestMode	Antenna	Fre.[MHz]	Rate	EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	6Mbps	23.600	5169.160	5192.760	---	---
		5200	6Mbps	24.960	5188.800	5213.760	---	---
		5240	6Mbps	23.840	5228.720	5252.560	---	---
11N20 SISO	Ant1	5180	MCS0	25.240	5169.120	5194.360	---	---
		5200	MCS0	23.520	5189.240	5212.760	---	---
		5240	MCS0	25.920	5229.240	5255.160	---	---
11N40 SISO	Ant1	5190	MCS0	54.480	5169.920	5224.400	---	---
		5230	MCS0	58.800	5209.280	5268.080	---	---
11AC20 SISO	Ant1	5180	MCS0	25.480	5169.080	5194.560	---	---
		5200	MCS0	24.360	5189.400	5213.760	---	---
		5240	MCS0	25.000	5229.120	5254.120	---	---
11AC40 SISO	Ant1	5190	MCS0	56.560	5170.160	5226.720	---	---
		5230	MCS0	56.160	5209.120	5265.280	---	---
11AC80 SISO	Ant1	5210	MCS0	103.200	5169.360	5272.560	---	---

Test Graphs

11A_Ant1_5180

11A_Ant1_5200

11A_Ant1_5240

11N20SISO_Ant1_5180

11N20SISO_Ant1_5200

11N20SISO_Ant1_5240

11N40SISO_Ant1_5190

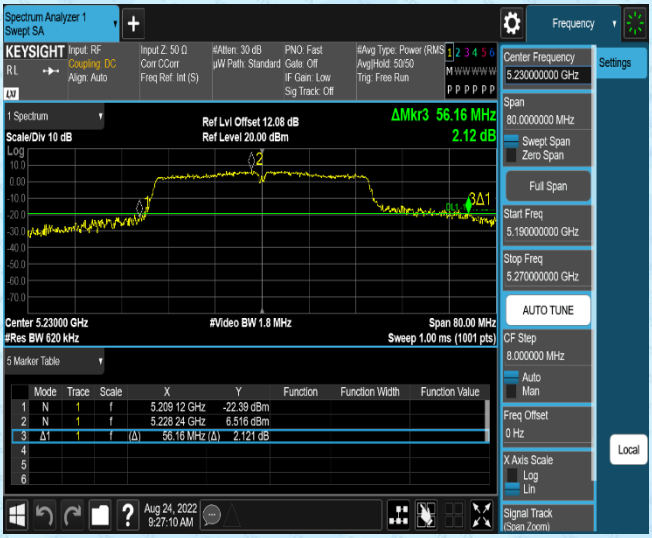
11N40SISO_Ant1_5230

11AC20SISO_Ant1_5180

11AC20SISO_Ant1_5200

11AC20SISO_Ant1_5240

11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

11AC80SISO_Ant1_5210

2.Occupied channel bandwidth

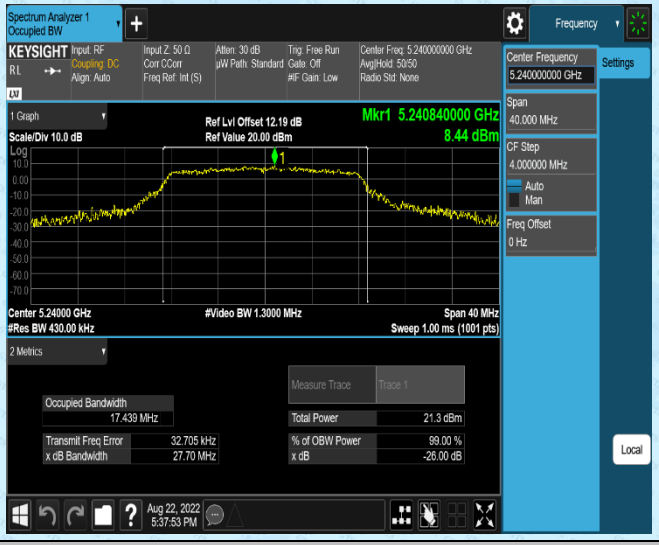
Test Result

TestMode	Antenna	Fre.[MHz]	Rate	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	6Mbps	17.495	5171.372	5188.867	---	---
		5200	6Mbps	17.487	5191.352	5208.839	---	---
		5240	6Mbps	17.439	5231.313	5248.752	---	---
11N20 SISO	Ant1	5180	MCS0	18.395	5170.867	5189.262	---	---
		5200	MCS0	18.427	5190.850	5209.277	---	---
		5240	MCS0	18.306	5230.877	5249.183	---	---
11N40 SISO	Ant1	5190	MCS0	36.735	5171.868	5208.603	---	---
		5230	MCS0	36.580	5211.826	5248.406	---	---
11AC20 SISO	Ant1	5180	MCS0	18.350	5170.866	5189.216	---	---
		5200	MCS0	18.426	5190.851	5209.277	---	---
		5240	MCS0	18.390	5230.861	5249.251	---	---
11AC40 SISO	Ant1	5190	MCS0	36.877	5171.849	5208.726	---	---
		5230	MCS0	36.673	5211.814	5248.487	---	---
11AC80 SISO	Ant1	5210	MCS0	76.409	5172.339	5248.748	---	---

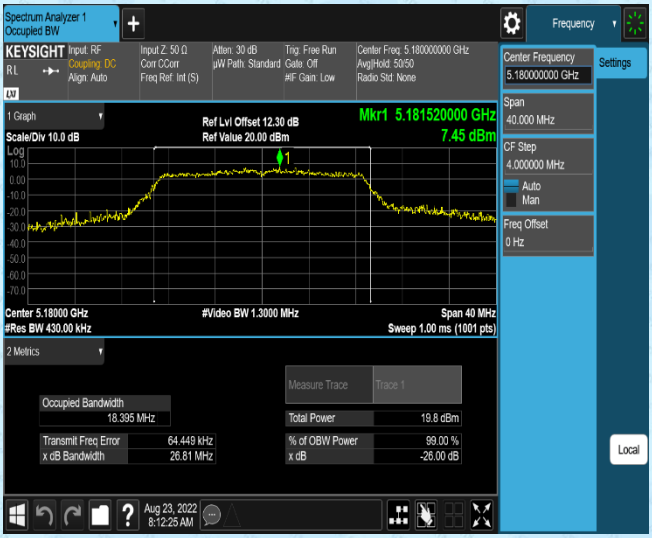
Test Graphs

11A_Ant1_5180

11A_Ant1_5200

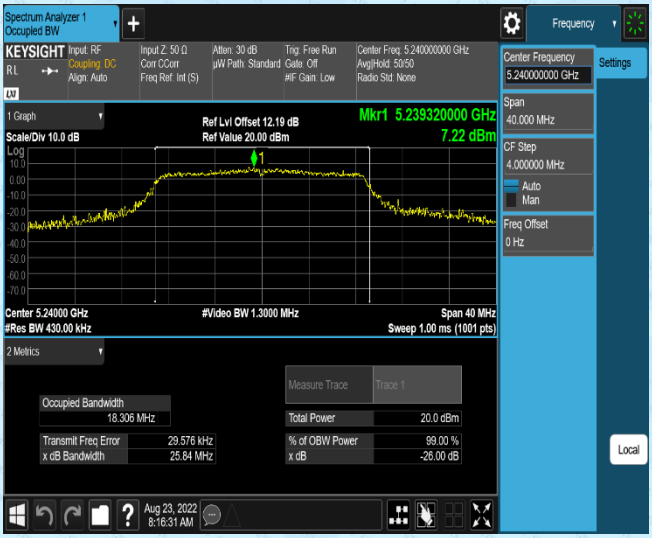


11A_Ant1_5240



11N20SISO_Ant1_5180

11N20SISO_Ant1_5200



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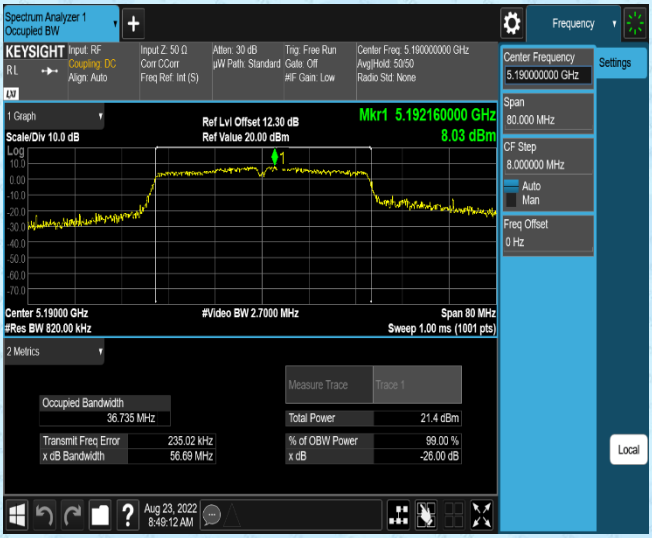
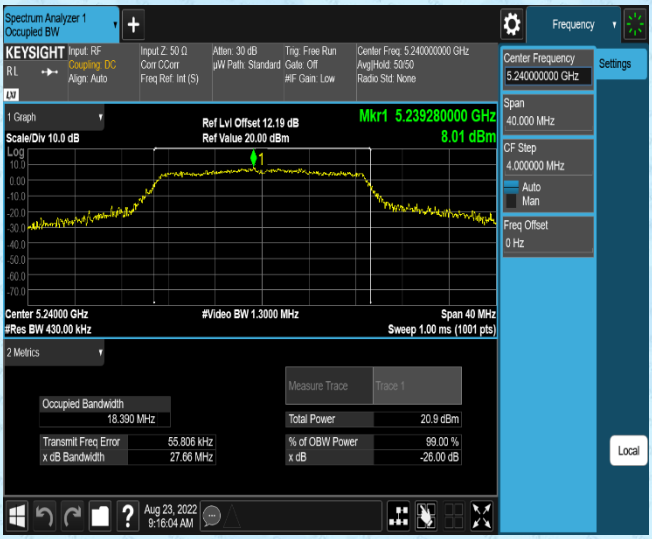


11N40SISO_Ant1_5190

11N40SISO_Ant1_5230

11AC20SISO_Ant1_5180

11AC20SISO_Ant1_5200



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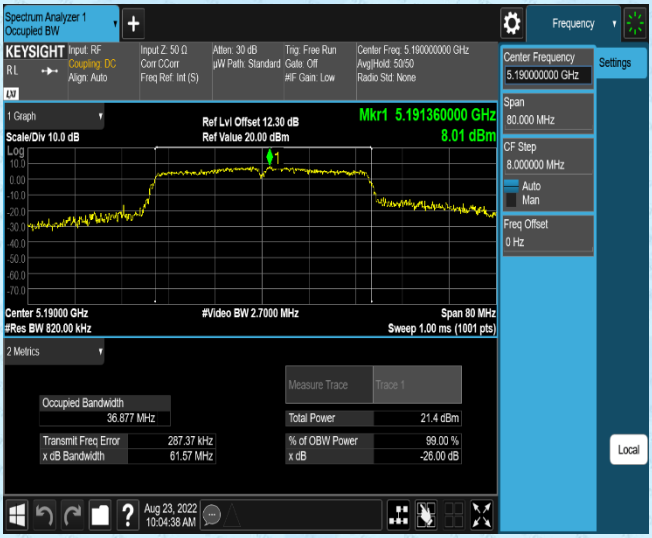

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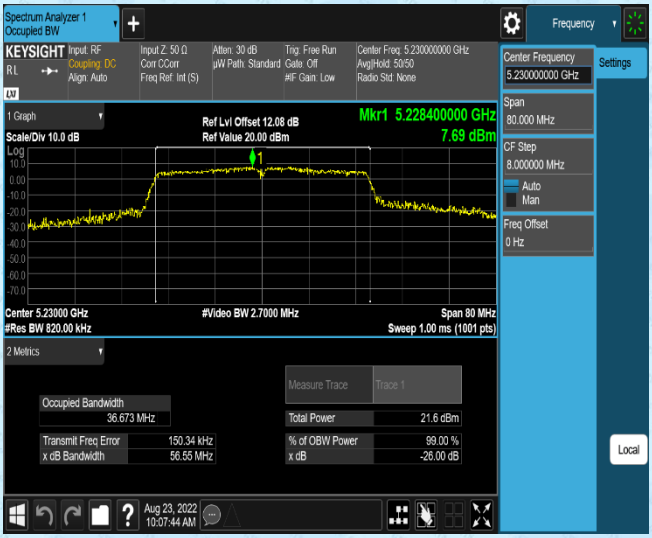


11AC40SISO_Ant1_5230

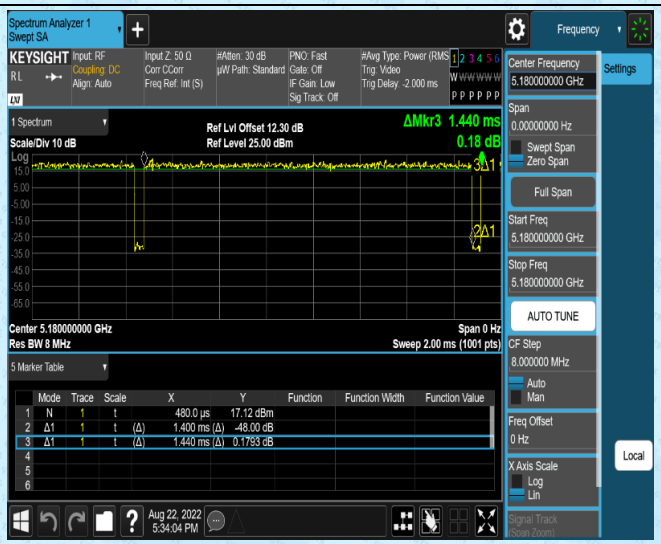
11AC80SISO_Ant1_5210

3.Duty Cycle

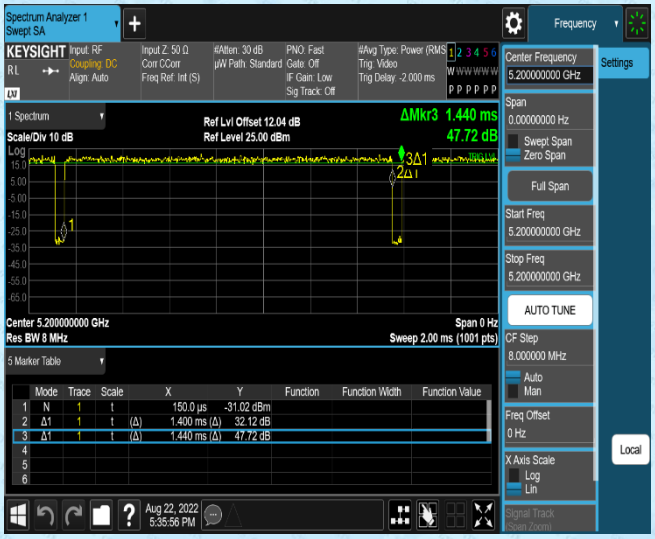
Test Result

TestMode	Antenna	Fre.[MHz]	Rate	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle[%]	Duty Cycle factor	Verdict
11A	Ant1	5180	6Mbps	1.40	1.44	97.22	0.12	---
		5200	6Mbps	1.40	1.44	97.22	0.12	---
		5240	6Mbps	1.39	1.43	97.20	0.12	---
11N20SISO	Ant1	5180	MCS0	1.31	1.35	97.04	0.13	---
		5200	MCS0	1.31	1.35	97.04	0.13	---
		5240	MCS0	1.31	1.35	97.04	0.13	---
11N40SISO	Ant1	5190	MCS0	0.65	0.69	94.20	0.26	---
		5230	MCS0	0.65	0.69	94.20	0.26	---
11AC20SISO	Ant1	5180	MCS0	1.32	1.36	97.06	0.13	---
		5200	MCS0	1.32	1.36	97.06	0.13	---
		5240	MCS0	1.32	1.36	97.06	0.13	---
11AC40SISO	Ant1	5190	MCS0	0.65	0.69	94.20	0.26	---
		5230	MCS0	0.66	0.70	94.29	0.26	---
11AC80SISO	Ant1	5210	MCS0	0.33	0.37	89.19	0.50	---

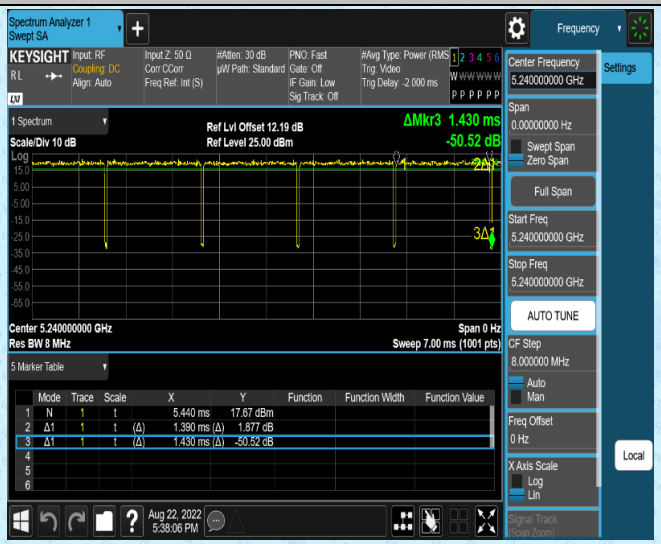
Test Graphs



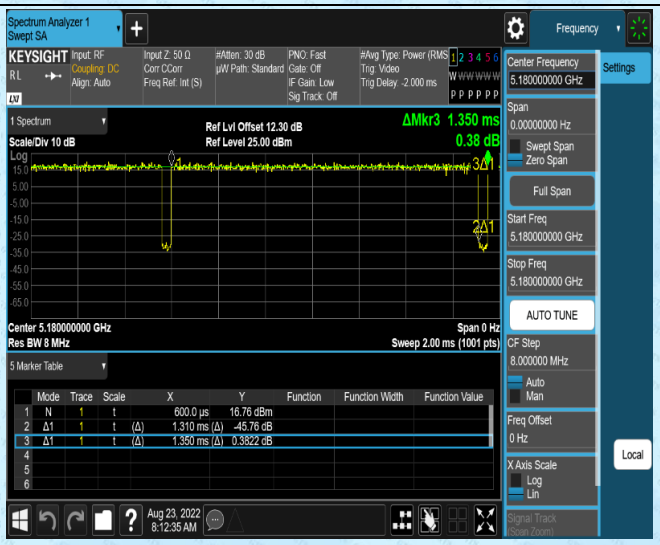
11A_Ant1_5180



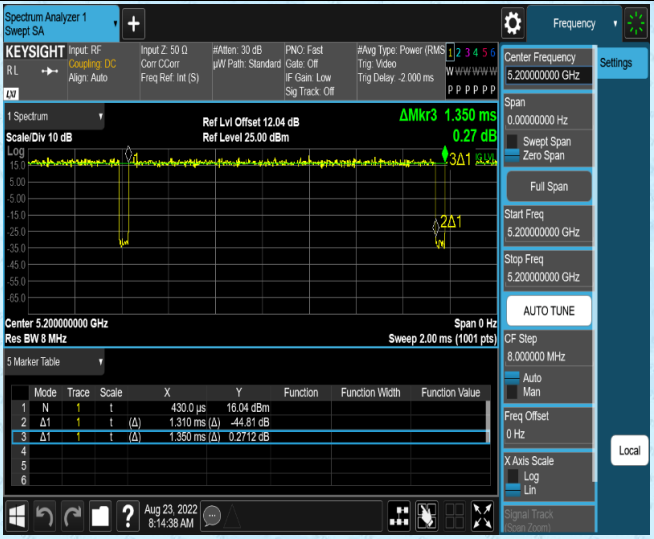
11A_Ant1_5200



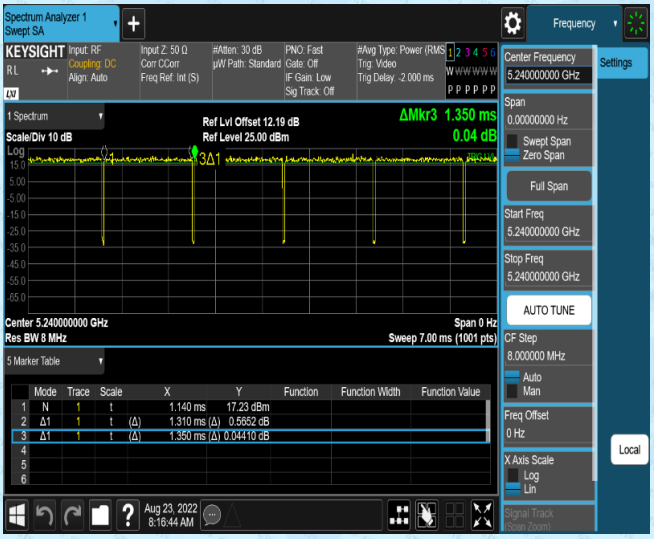
11A_Ant1_5240



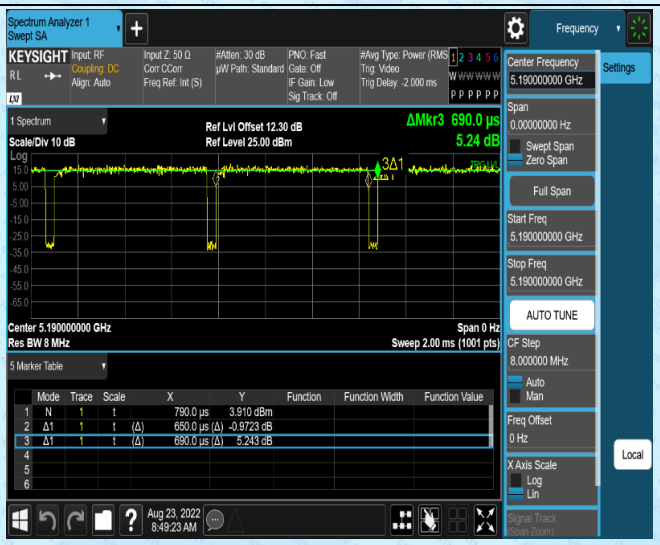
11N20SISO_Ant1_5180



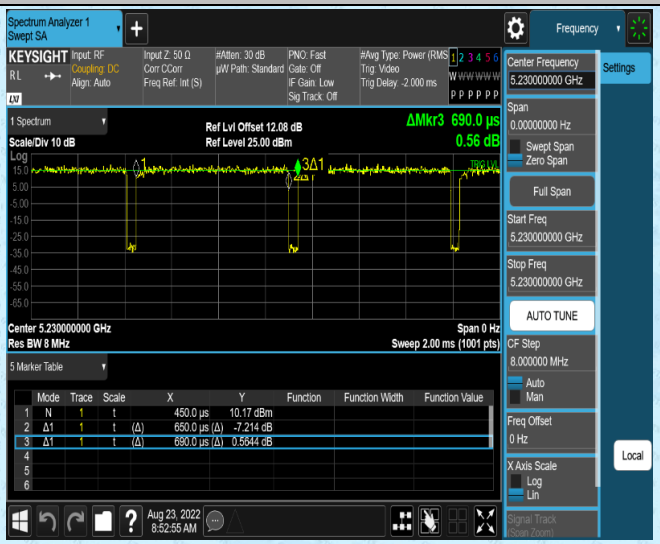
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



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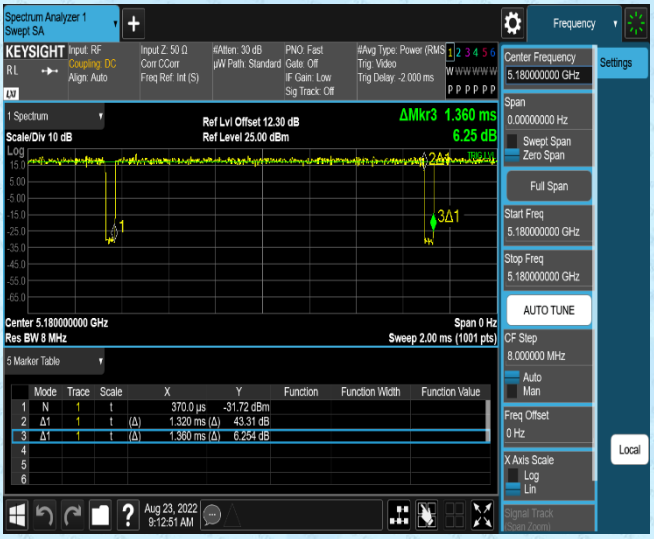
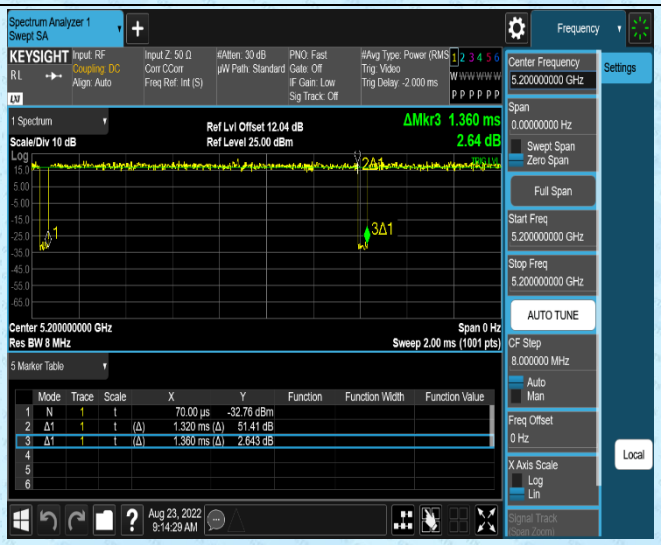


11AC20SISO_Ant1_5180



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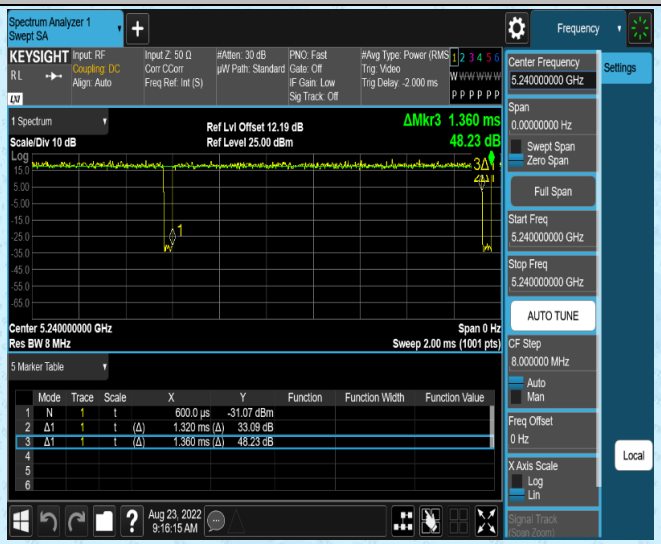

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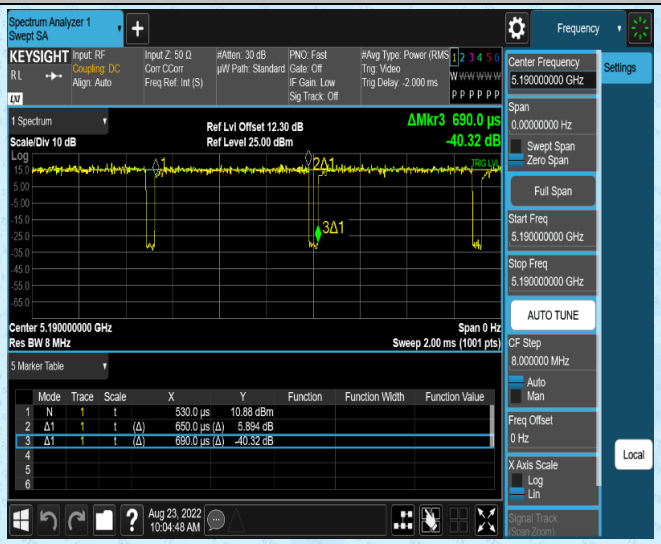
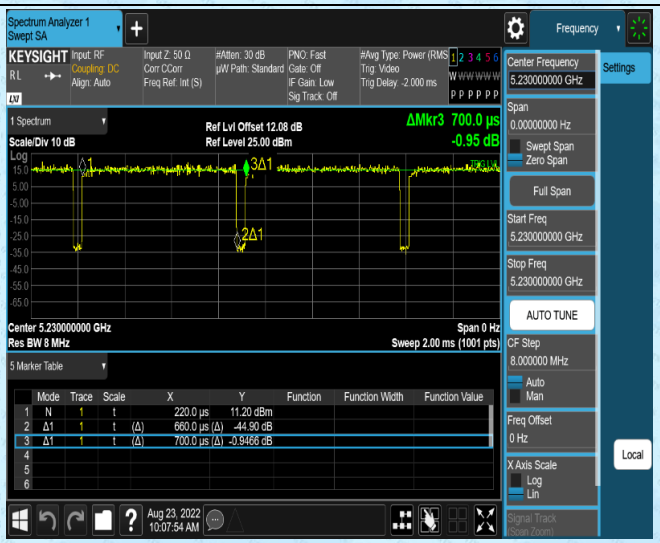
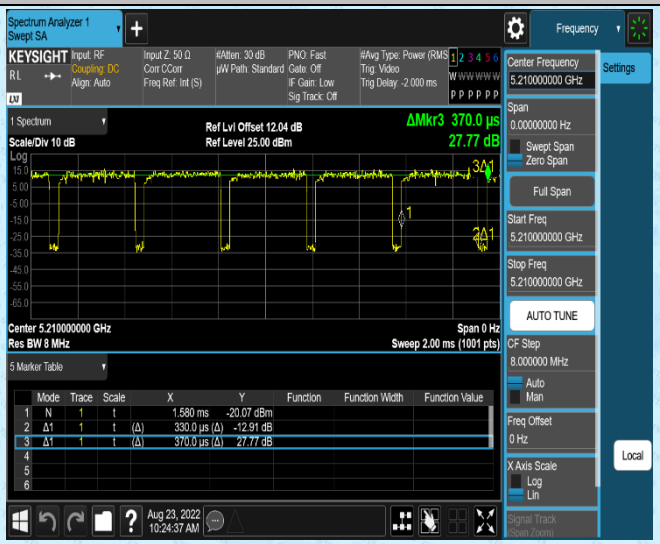


11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

4.Maximum conducted output power

Test Result

TestMode	Antenna	Fre.[MHz]	Rate	DC[%]	Power[dBm]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	6Mbps	97.22	15.29	15.41	≤23.16	PASS
		5200	6Mbps	97.22	15.14	15.26	≤23.16	PASS
		5240	6Mbps	97.20	15.56	15.68	≤23.16	PASS
11N20 SISO	Ant1	5180	MCS0	97.04	13.96	14.09	≤23.16	PASS
		5200	MCS0	97.04	13.75	13.88	≤23.16	PASS
		5240	MCS0	97.04	14.20	14.33	≤23.16	PASS
11N40 SISO	Ant1	5190	MCS0	94.20	14.78	15.04	≤23.16	PASS
		5230	MCS0	94.20	14.85	15.11	≤23.16	PASS
11AC20 SISO	Ant1	5180	MCS0	97.06	14.61	14.74	≤23.16	PASS
		5200	MCS0	97.06	14.64	14.77	≤23.16	PASS
		5240	MCS0	97.06	15.24	15.37	≤23.16	PASS
11AC40 SISO	Ant1	5190	MCS0	94.20	14.91	15.17	≤23.16	PASS
		5230	MCS0	94.29	14.87	15.13	≤23.16	PASS
11AC80 SISO	Ant1	5210	MCS0	89.19	14.62	15.12	≤23.16	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).

5.Maximum power spectral density

Test Result

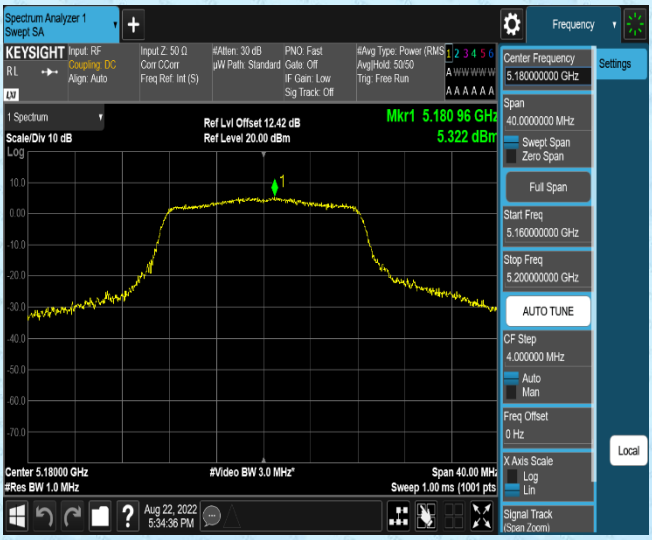
TestMode	Antenna	Fre. [MHz]	Rate	DC[%]	PSD(dBm/MHz)	Result(dBm/MHz)	Limit	Verdict
11A	Ant1	5180	6Mbps	97.22	5.32	5.44	≤10.18dBm/MHz	PASS
		5200	6Mbps	97.22	5.18	5.30	≤10.18dBm/MHz	PASS
		5240	6Mbps	97.20	5.72	5.84	≤10.18dBm/MHz	PASS
11N20SISO	Ant1	5180	MCS0	97.04	4.18	4.31	≤10.18dBm/MHz	PASS
		5200	MCS0	97.04	3.82	3.95	≤10.18dBm/MHz	PASS
		5240	MCS0	97.04	4.42	4.55	≤10.18dBm/MHz	PASS
11N40SISO	Ant1	5190	MCS0	94.20	1.70	1.96	≤10.18dBm/MHz	PASS
		5230	MCS0	94.20	1.78	2.04	≤10.18dBm/MHz	PASS
11AC20SISO	Ant1	5180	MCS0	97.06	4.90	5.03	≤10.18dBm/MHz	PASS
		5200	MCS0	97.06	4.50	4.63	≤10.18dBm/MHz	PASS
		5240	MCS0	97.06	5.25	5.38	≤10.18dBm/MHz	PASS
11AC40SISO	Ant1	5190	MCS0	94.20	1.78	2.04	≤10.18dBm/MHz	PASS
		5230	MCS0	94.29	1.96	2.22	≤10.18dBm/MHz	PASS
11AC80SISO	Ant1	5210	MCS0	89.19	-0.7	-0.20	≤10.18dBm/MHz	PASS

Note:

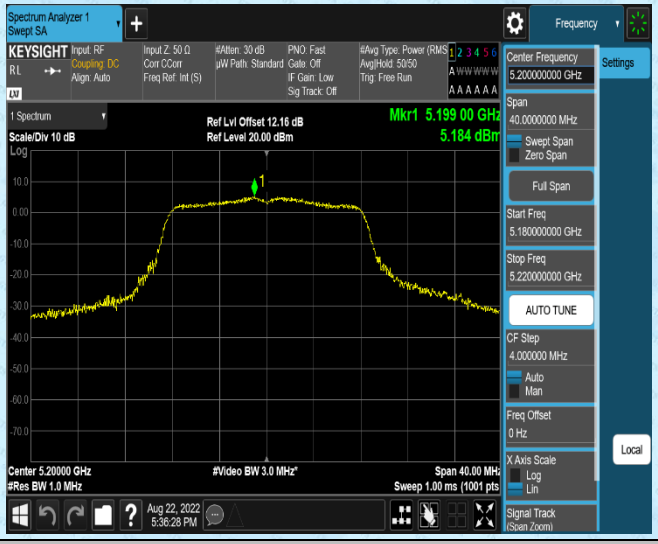
According to the standard of test,maximum power spectral density shall be calculate as follow:

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

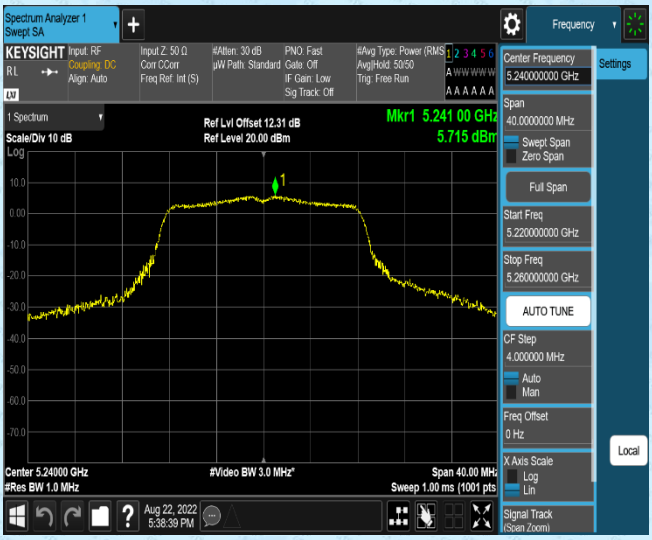
Test Graphs



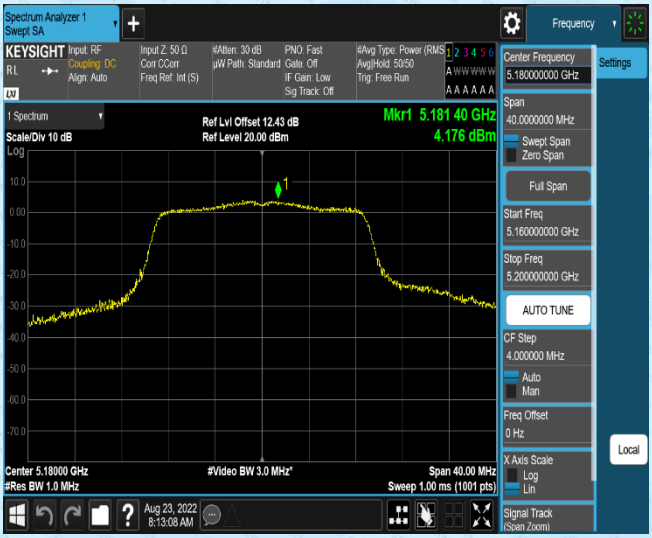
11A_Ant1_5180



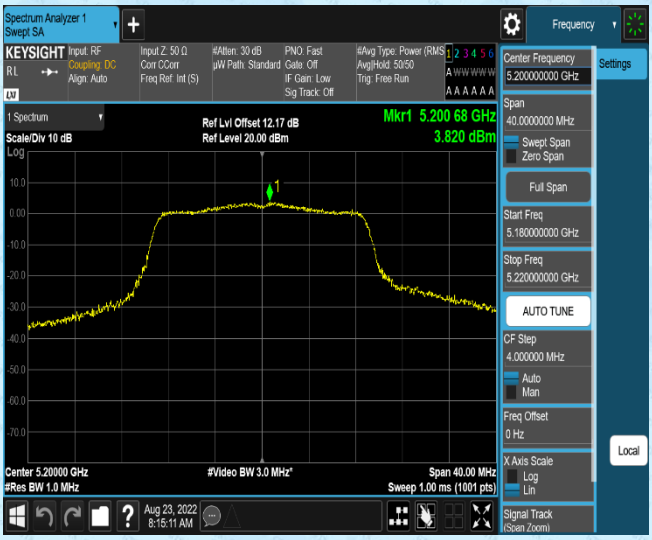
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



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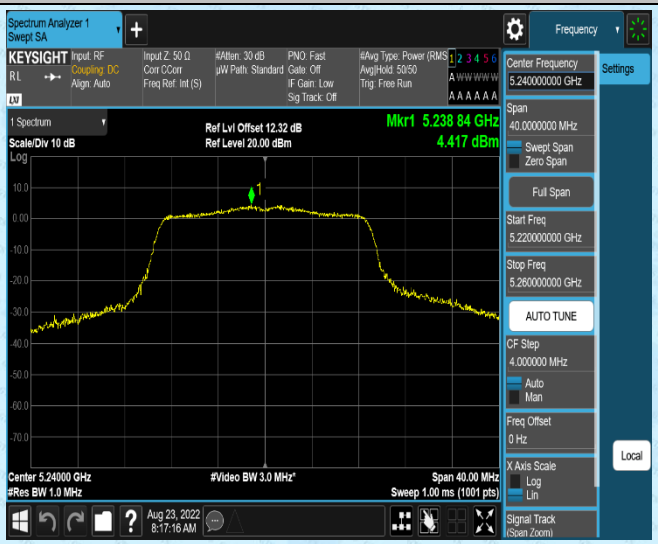
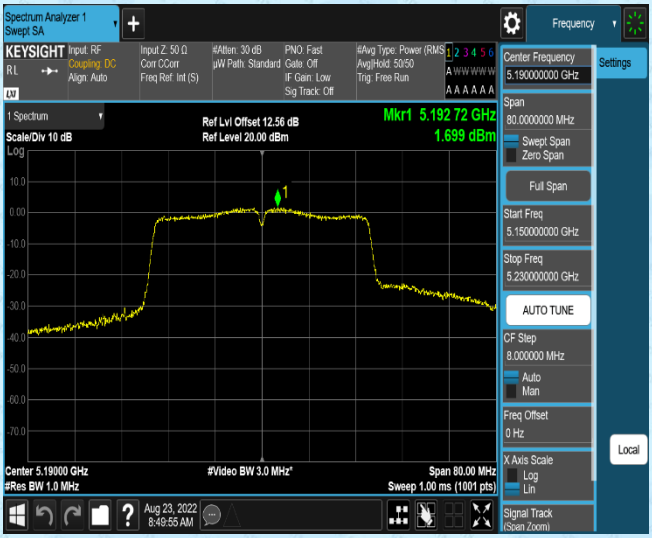


11N20SISO_Ant1_5240



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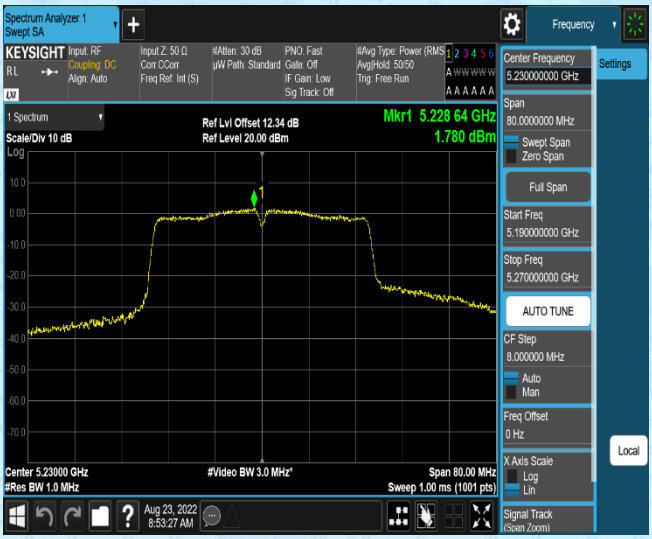

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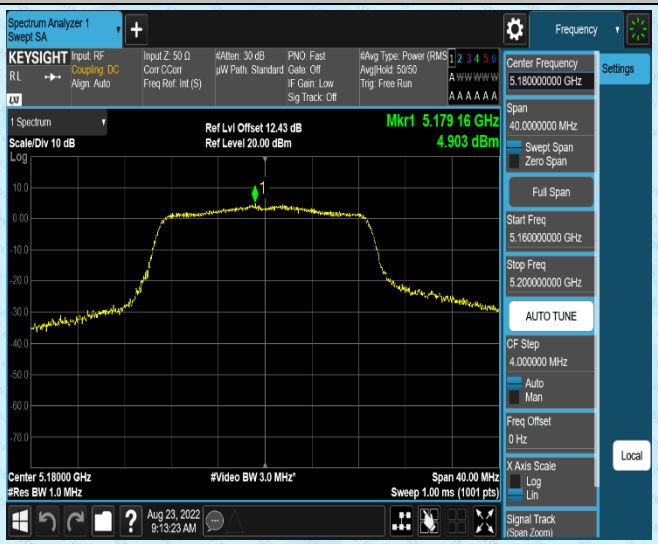

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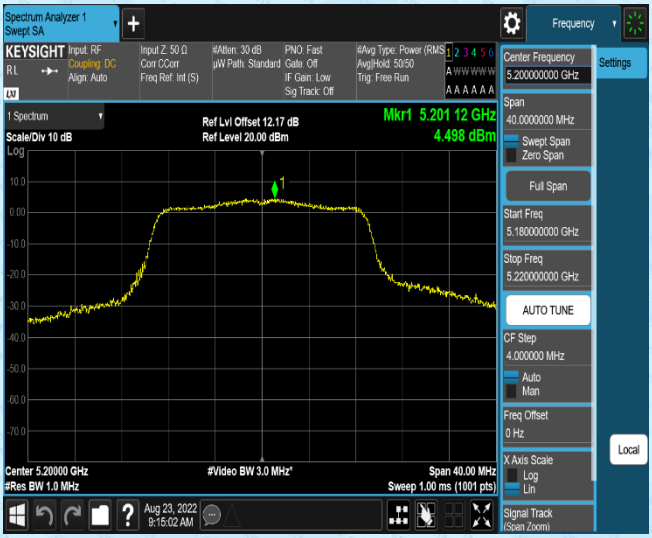
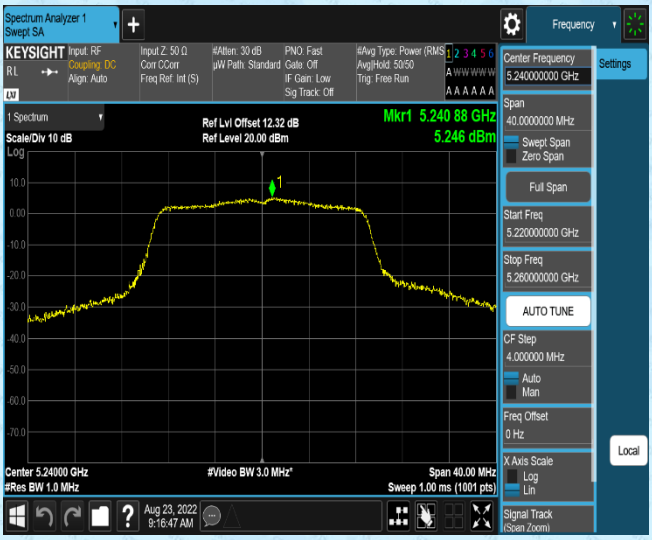
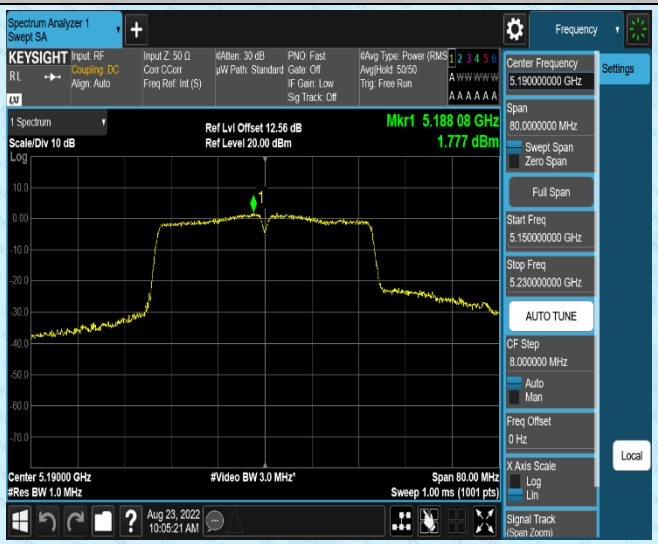


11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



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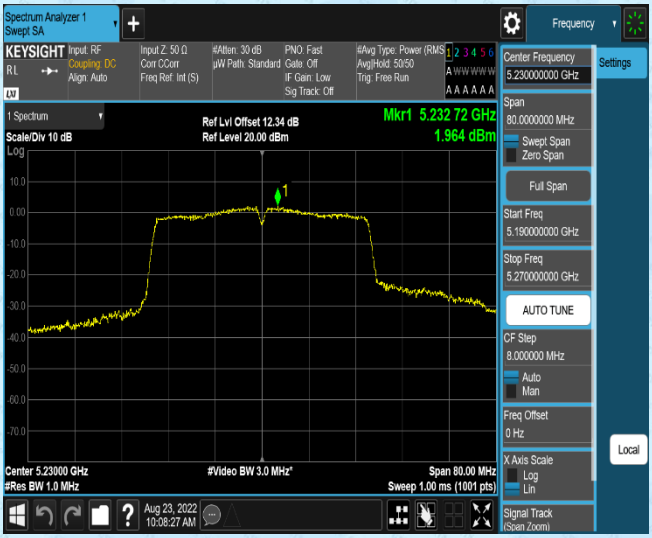
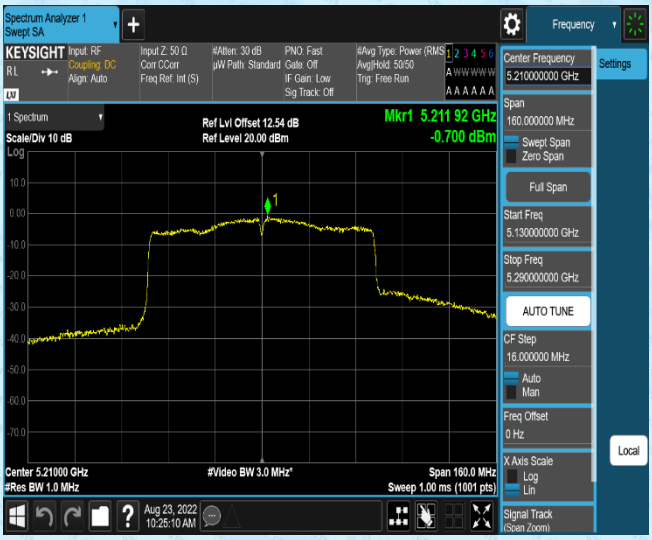


11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

------End------