

Case No. : <u>GTS20231117002-1-4</u>
Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.11.29</u> Test Engineer: <u>Evan ouyang</u>

Appendix F.1: Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	20.000	5490.200	5510.200	---	---
		5600	19.920	5589.880	5609.800	---	---
		5700	20.240	5689.800	5710.040	---	---
11N20SISO	Ant1	5500	20.120	5490.000	5510.120	---	---
		5600	20.080	5589.880	5609.960	---	---
		5700	20.000	5690.000	5710.000	---	---
11N40SISO	Ant1	5510	40.320	5490.000	5530.320	---	---
		5590	40.400	5569.760	5610.160	---	---
		5670	40.720	5649.680	5690.400	---	---
11AC20SISO	Ant1	5500	20.200	5489.960	5510.160	---	---
		5600	20.200	5589.920	5610.120	---	---
		5700	20.640	5689.400	5710.040	---	---
11AC40SISO	Ant1	5510	40.240	5490.080	5530.320	---	---
		5590	40.480	5569.680	5610.160	---	---
		5670	40.400	5649.760	5690.160	---	---
11AC80SISO	Ant1	5530	81.600	5489.520	5571.120	---	---
		5610	81.920	5569.040	5650.960	---	---

Test Graphs



11A_Ant1_5500



11A_Ant1_5600



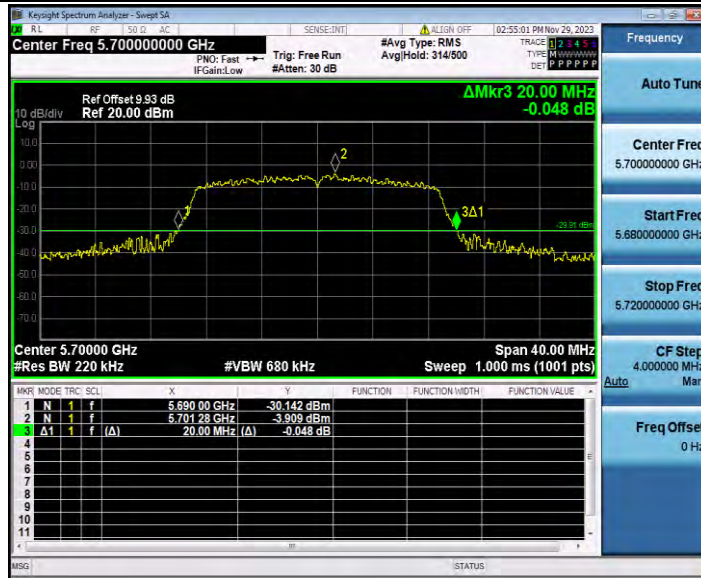
11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



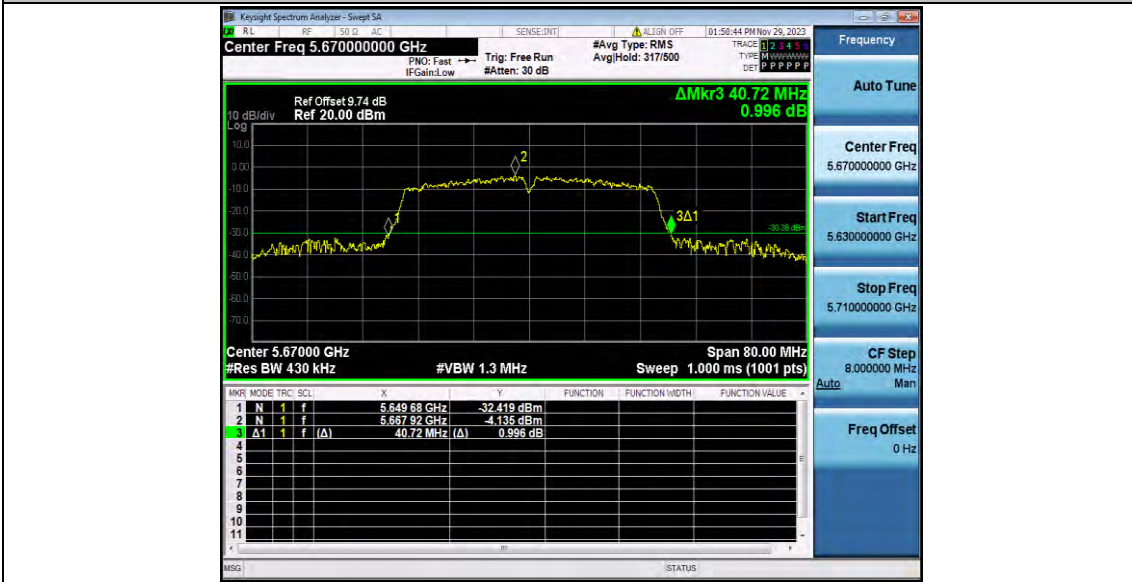
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



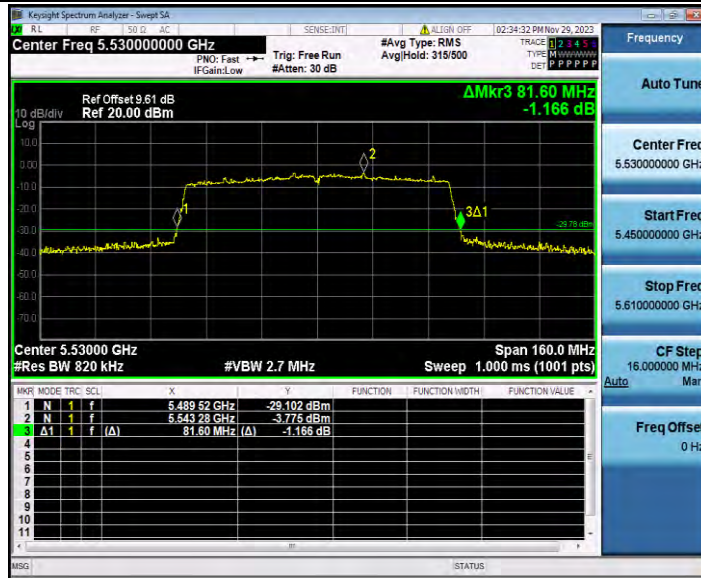
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

Appendix F.2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.183	5491.406	5508.589	---	---
		5600	17.102	5591.386	5608.488	---	---
		5700	17.183	5691.325	5708.508	---	---
11N20SISO	Ant1	5500	17.817	5491.158	5508.975	---	---
		5600	17.778	5591.096	5608.874	---	---
		5700	17.840	5691.052	5708.892	---	---
11N40SISO	Ant1	5510	36.426	5492.024	5528.450	---	---
		5590	36.255	5571.882	5608.137	---	---
		5670	36.337	5651.906	5688.243	---	---
11AC20SISO	Ant1	5500	17.824	5491.150	5508.974	---	---
		5600	17.765	5591.097	5608.862	---	---
		5700	17.814	5691.070	5708.884	---	---
11AC40SISO	Ant1	5510	36.230	5492.101	5528.331	---	---
		5590	36.142	5571.942	5608.084	---	---
		5670	36.175	5651.996	5688.171	---	---
11AC80SISO	Ant1	5530	75.582	5492.405	5567.987	---	---
		5610	75.978	5571.877	5647.855	---	---

Test Graphs



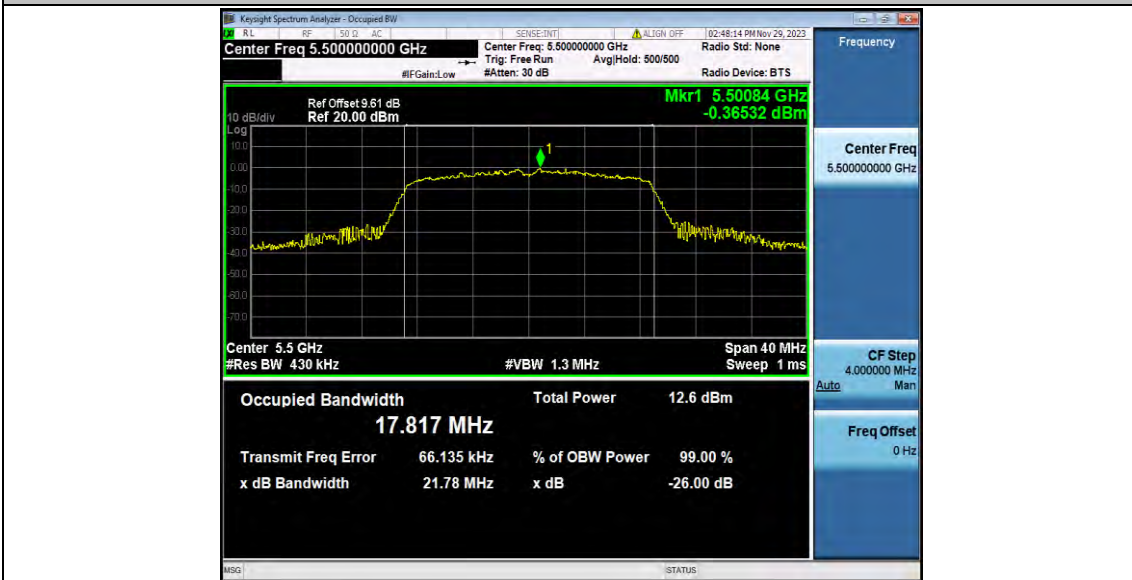
11A_Ant1_5500



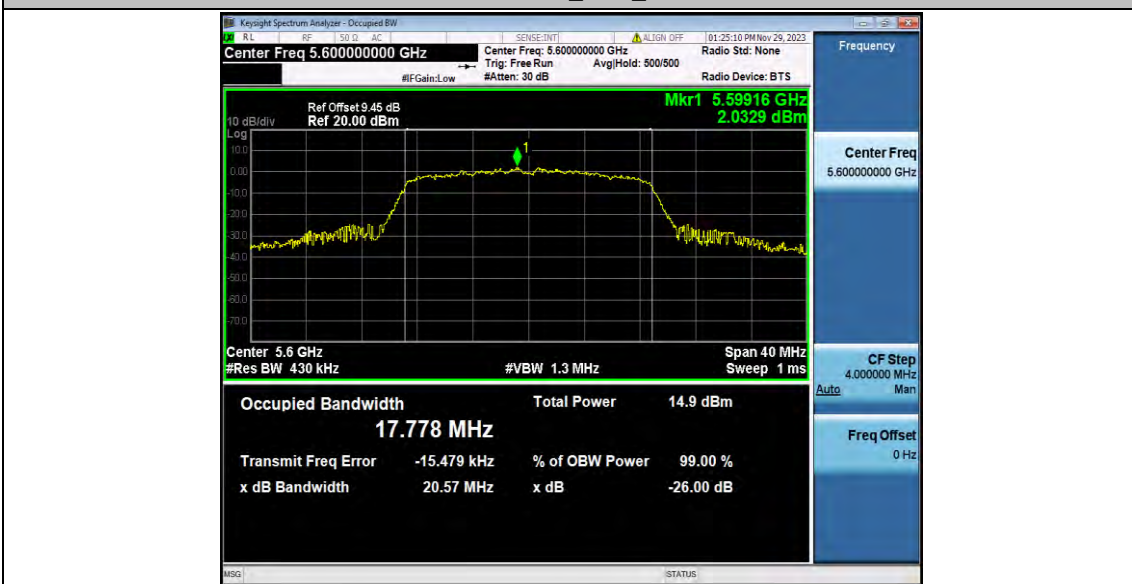
11A_Ant1_5600



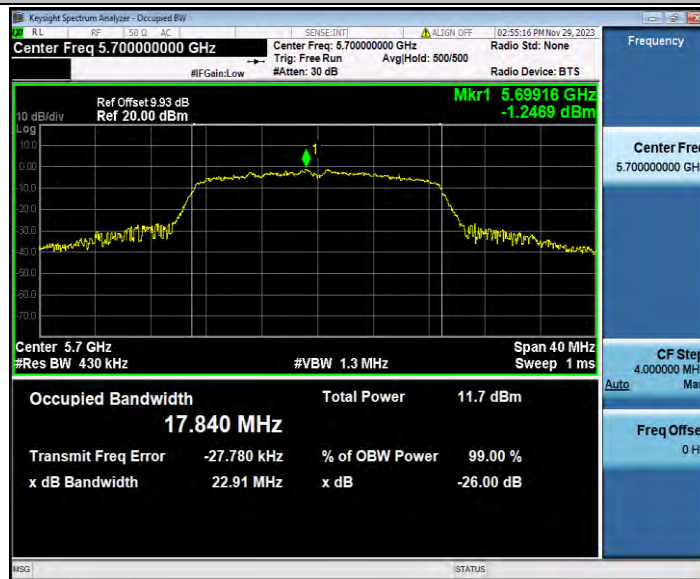
11A_Ant1_5700



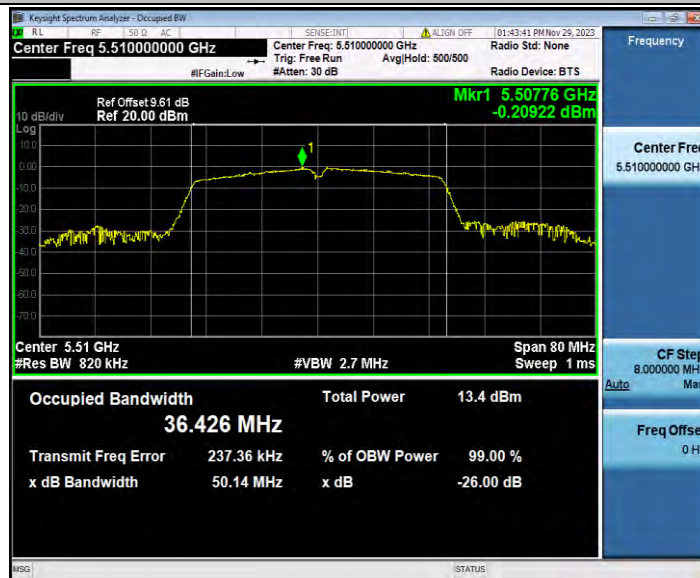
11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



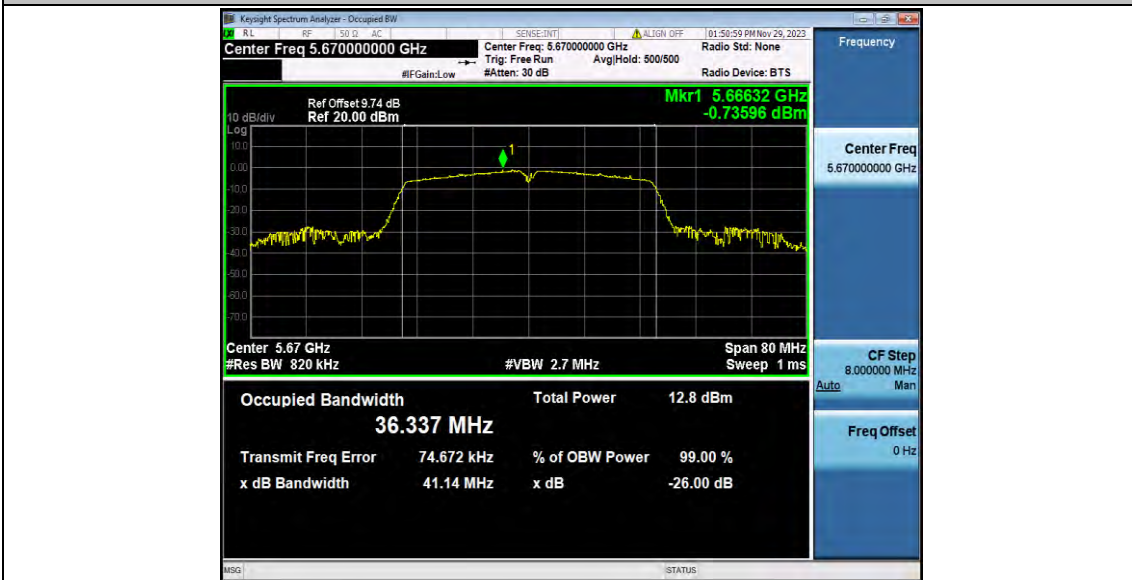
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



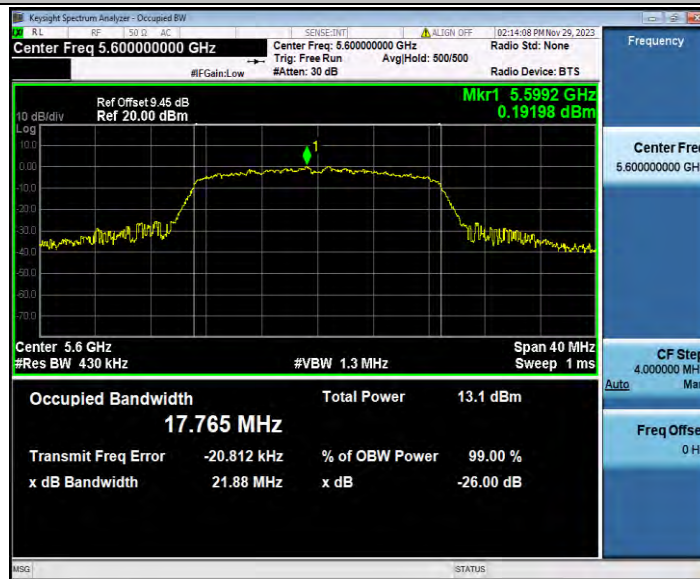
11N40SISO_Ant1_5590



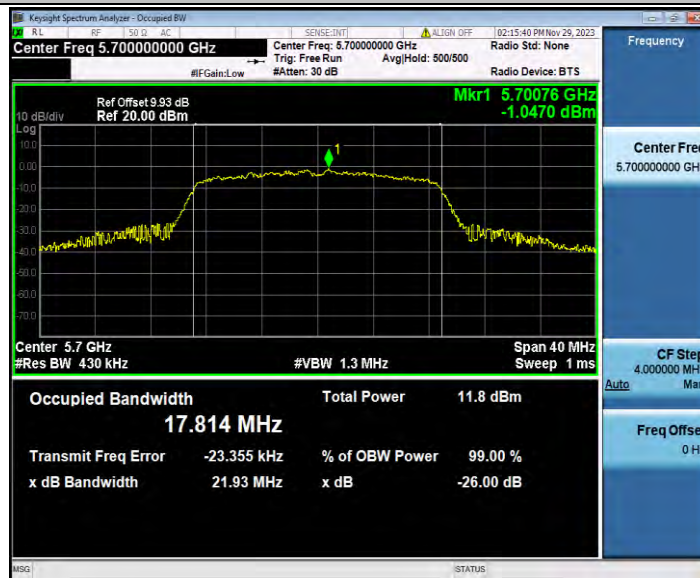
11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



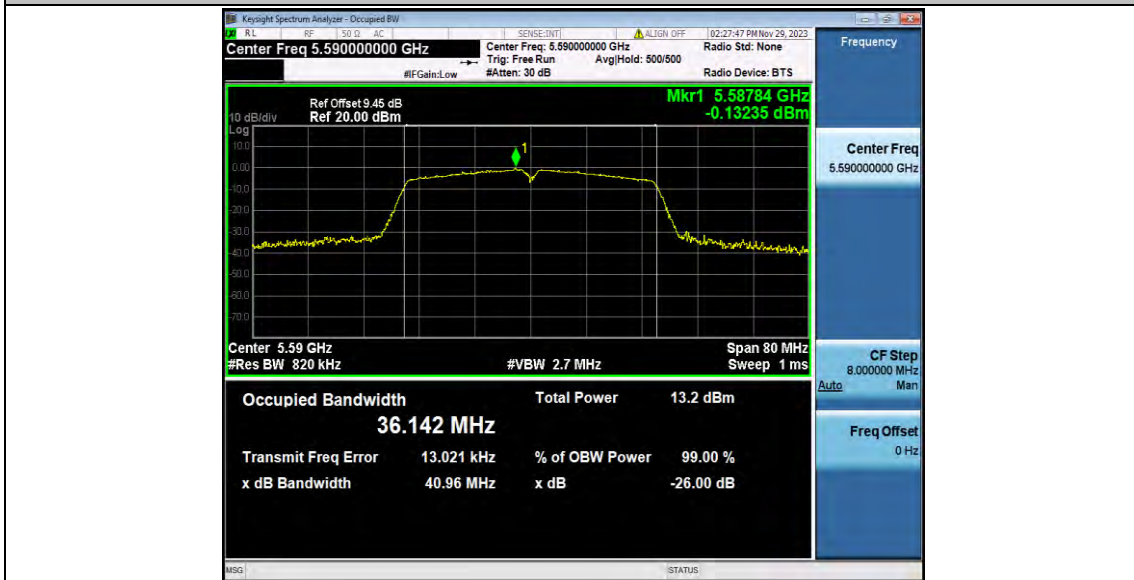
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11AC20SISO_Ant1_5700



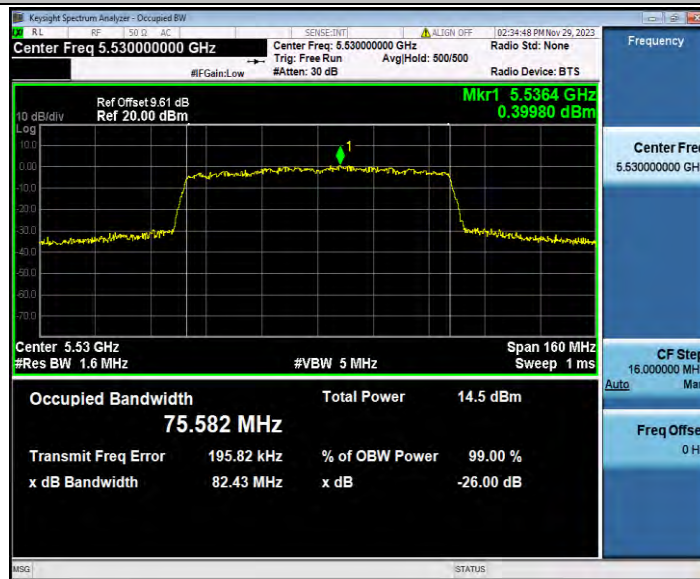
11AC40SISO_Ant1_5510



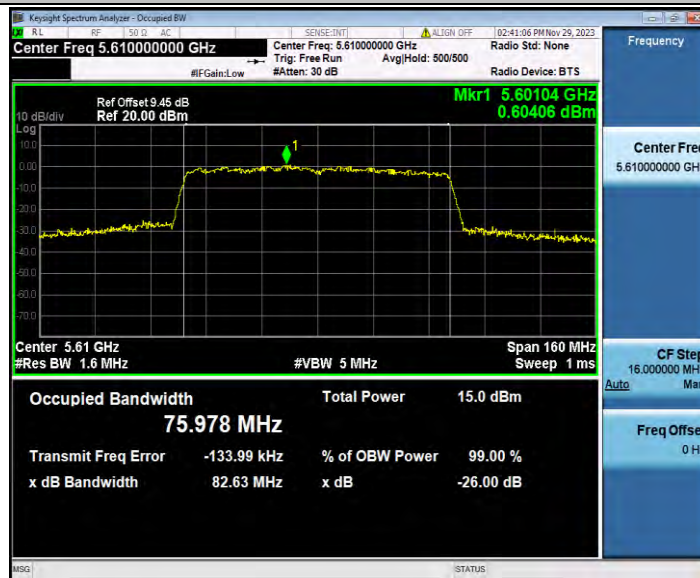
11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



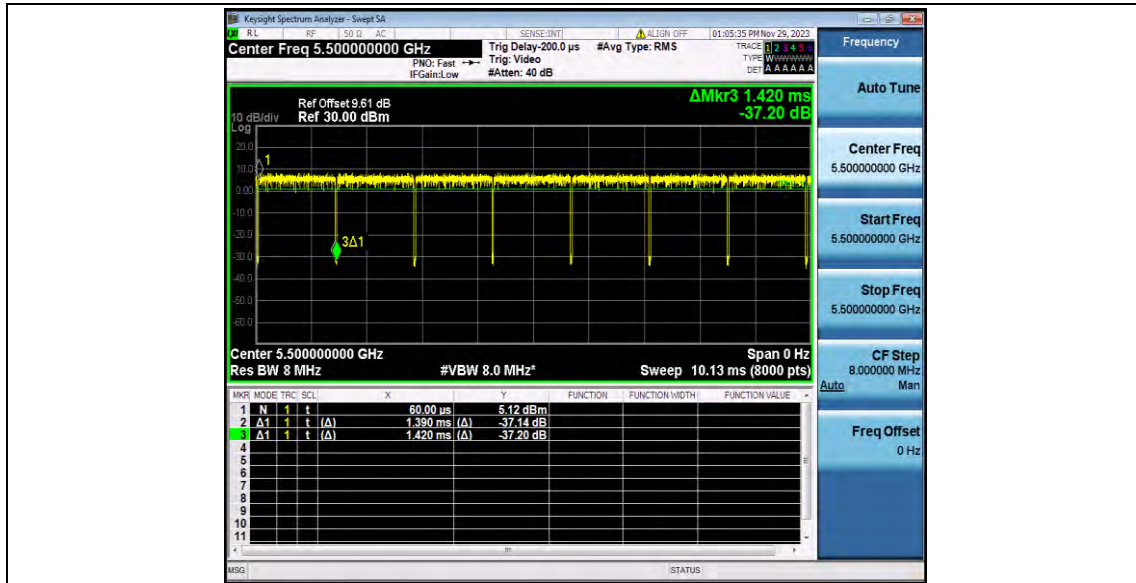
11AC80SISO_Ant1_5610

Appendix F.3: Duty Cycle

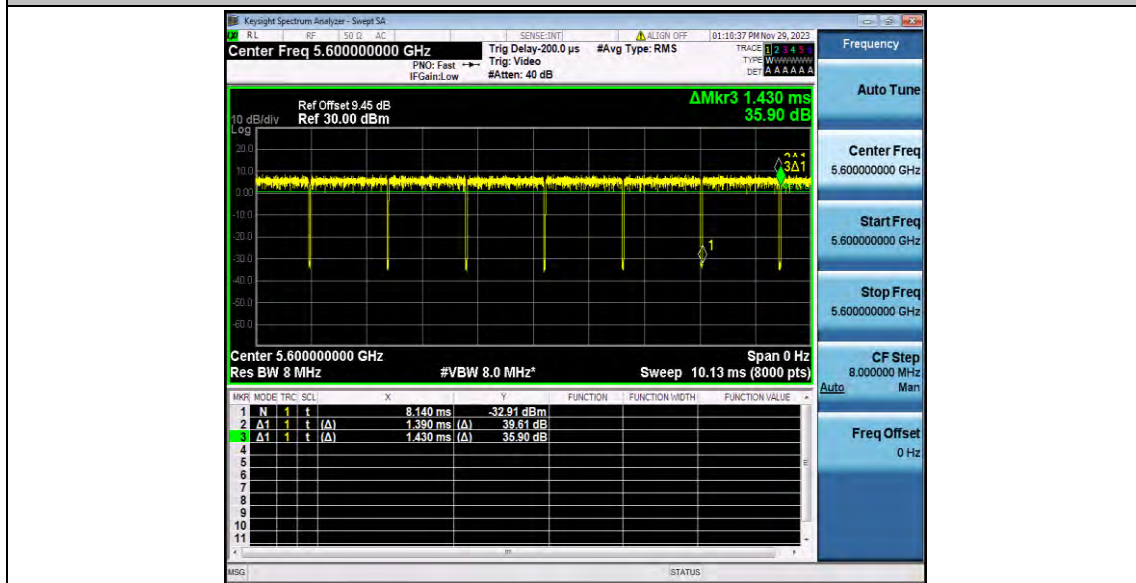
Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5500	1.39	1.42	97.89
		5600	1.39	1.43	97.20
		5700	1.39	1.42	97.89
11N20SISO	Ant1	5500	1.30	1.34	97.01
		5600	1.30	1.34	97.01
		5700	1.30	1.33	97.74
11N40SISO	Ant1	5510	0.65	0.68	95.59
		5590	0.65	0.68	95.59
		5670	0.64	0.68	94.12
11AC20SISO	Ant1	5500	1.30	1.33	97.74
		5600	1.30	1.33	97.74
		5700	1.30	1.34	97.01
11AC40SISO	Ant1	5510	0.65	0.69	94.20
		5590	0.65	0.69	94.20
		5670	0.65	0.69	94.20
11AC80SISO	Ant1	5530	0.32	0.35	91.43
		5610	0.32	0.36	88.89

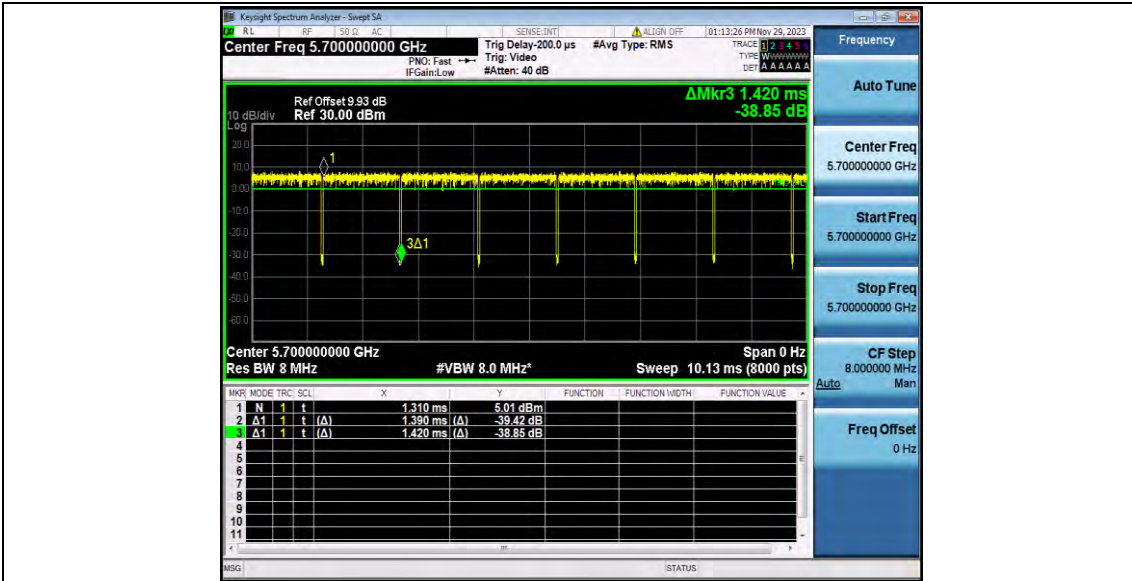
Test Graphs



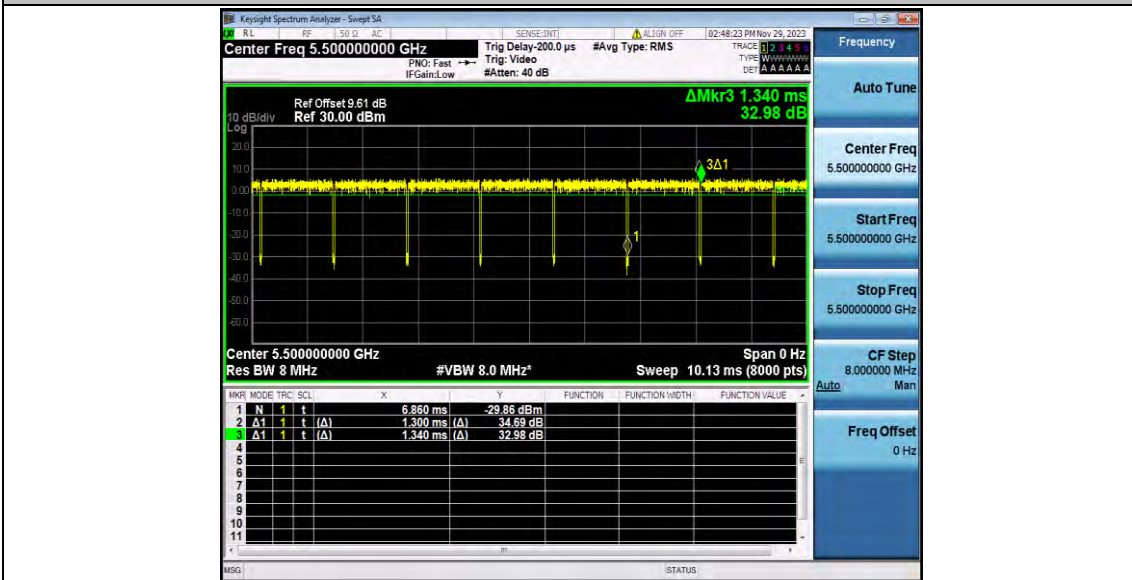
11A_Ant1_5500



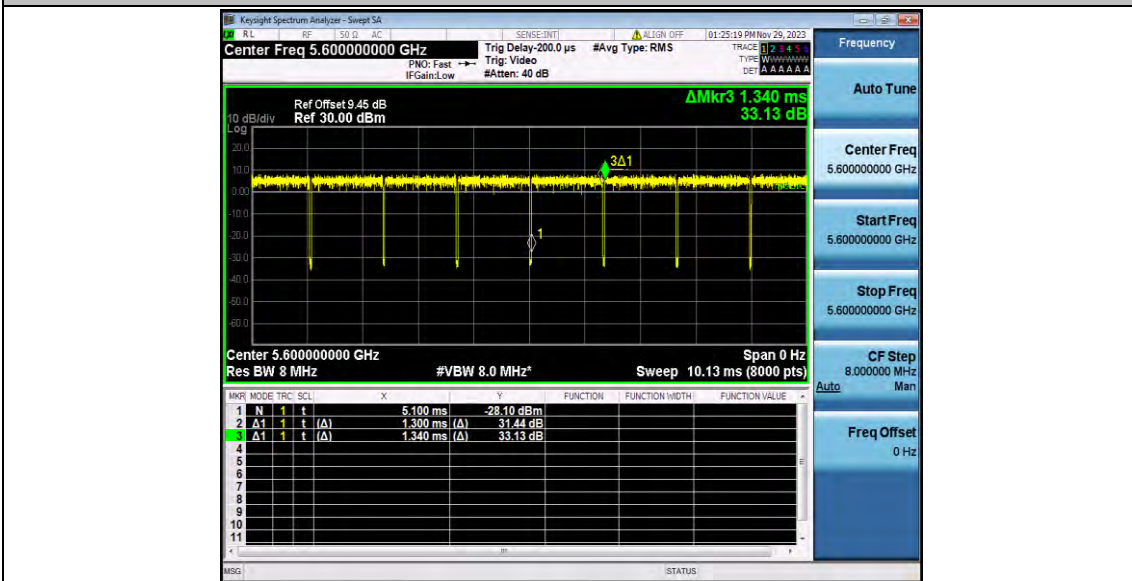
11A_Ant1_5600



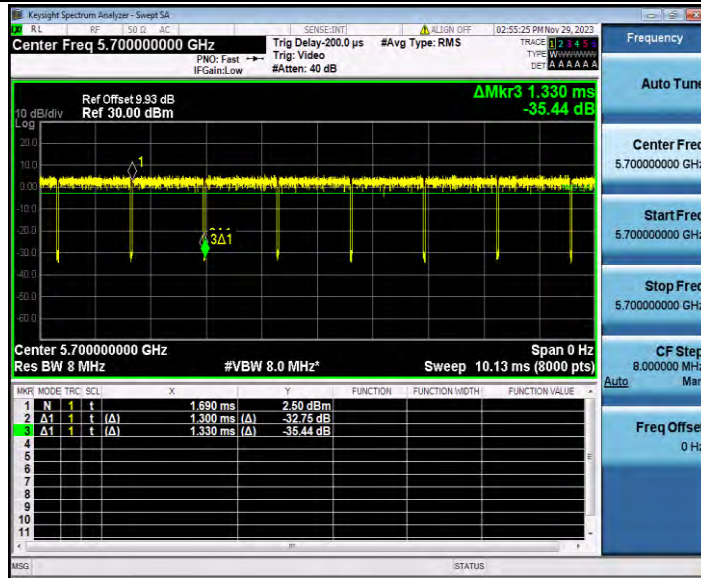
11A_Ant1_5700



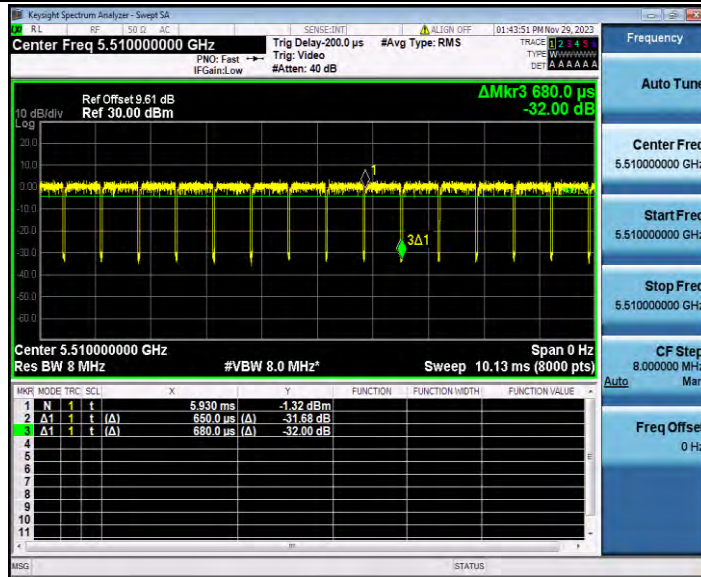
11N20SISO_Ant1_5500



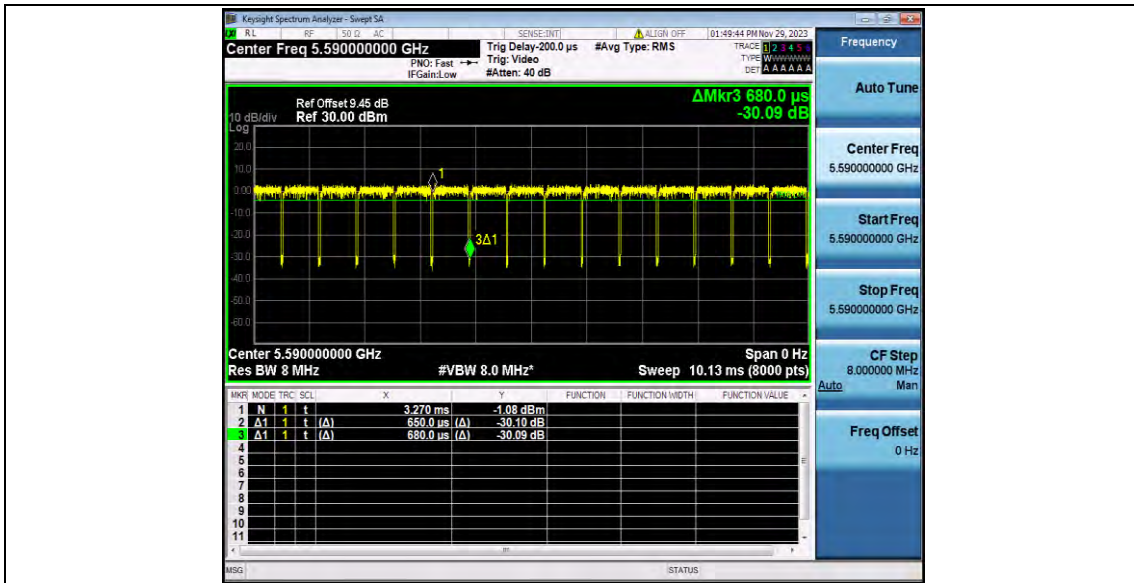
11N20SISO_Ant1_5600



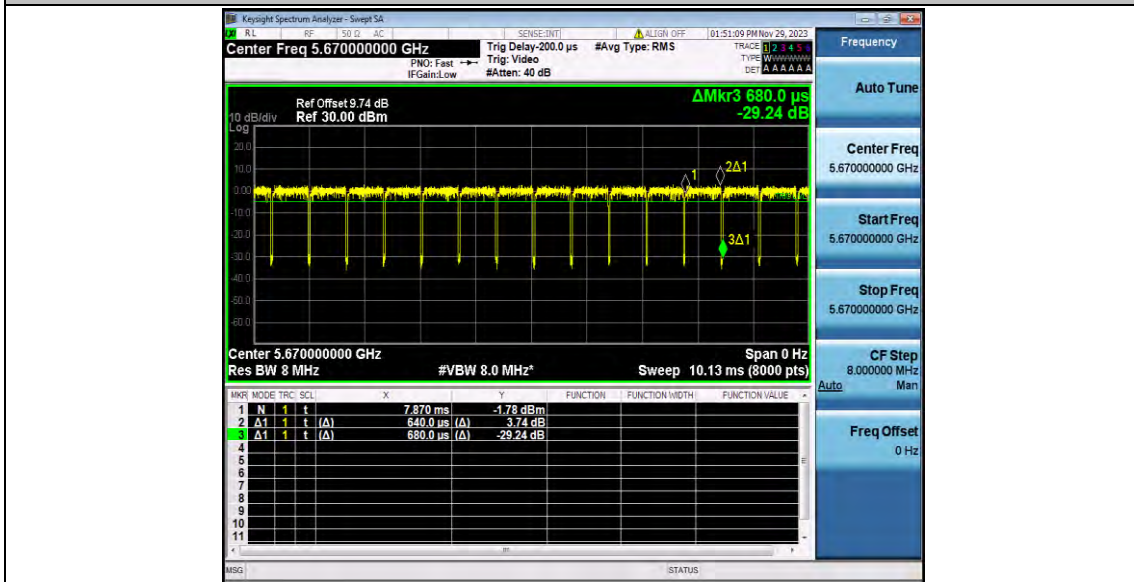
11N20SISO_Ant1_5700



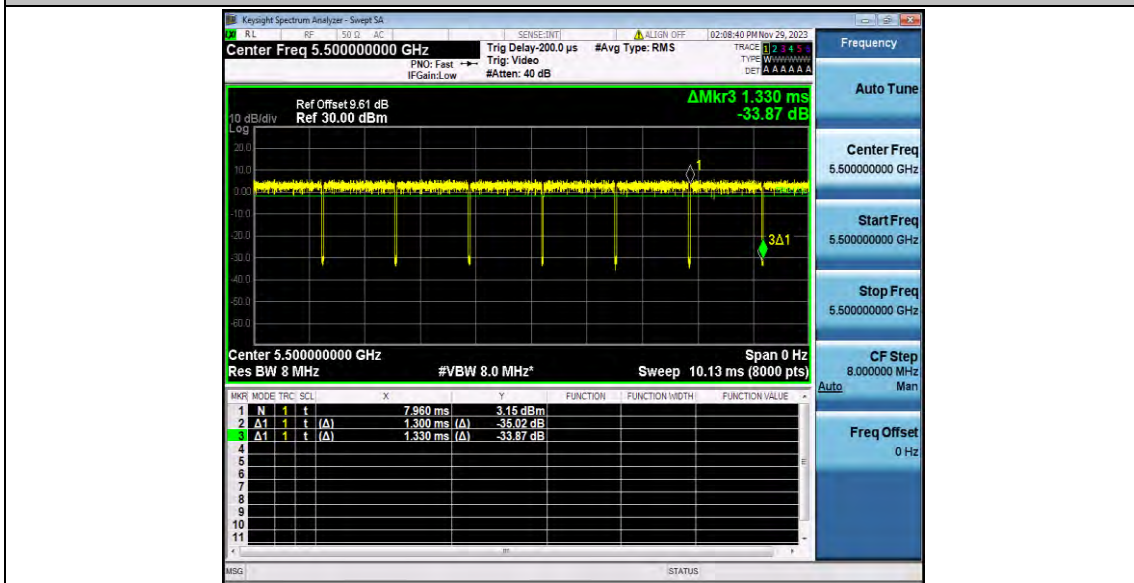
11N40SISO_Ant1_5510



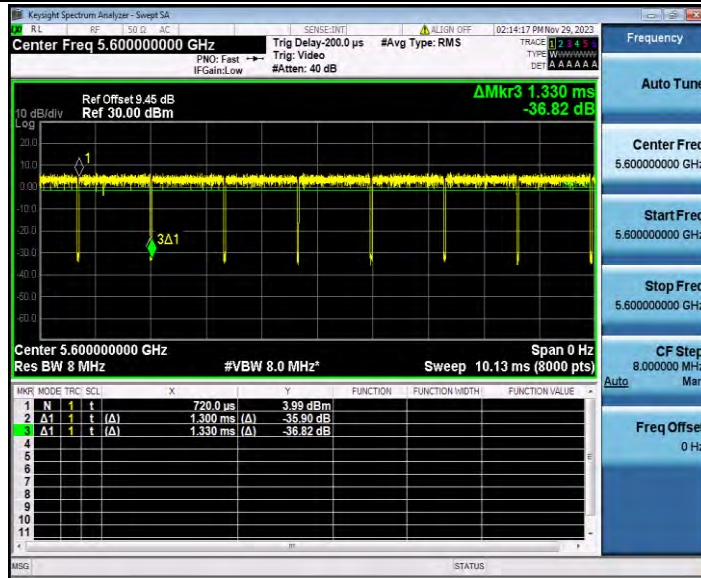
11N40SISO_Ant1_5590



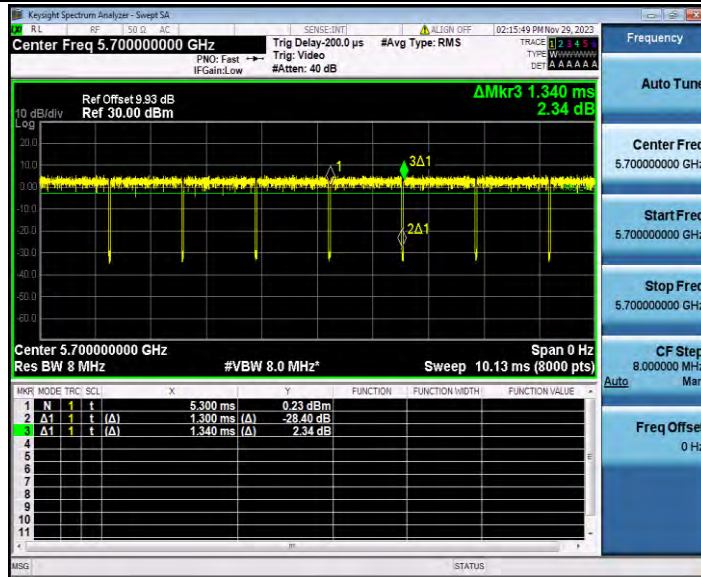
11N40SISO_Ant1_5670



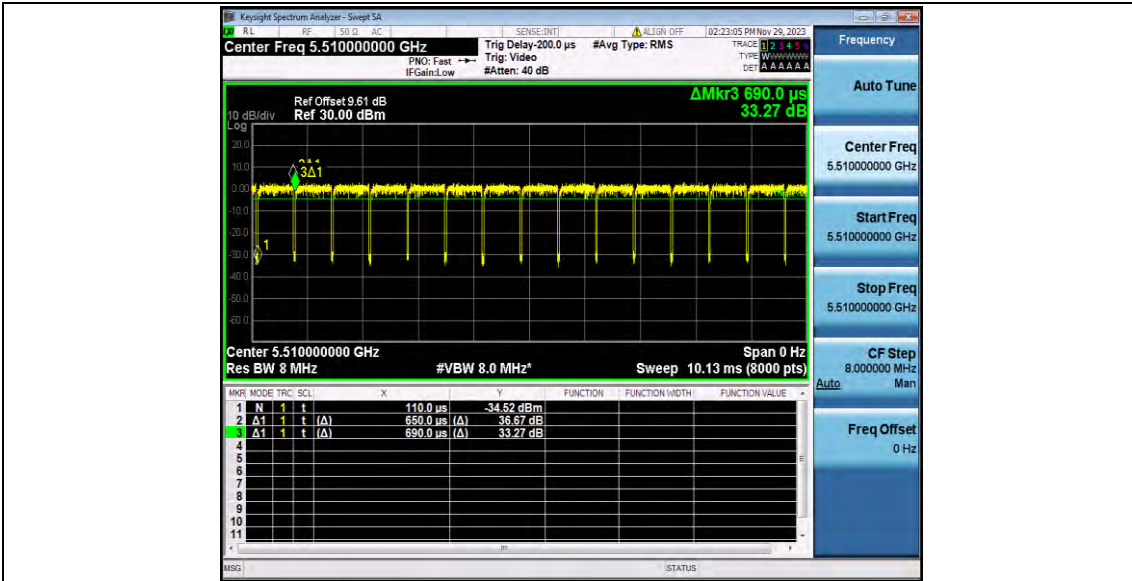
11AC20SISO_Ant1_5500



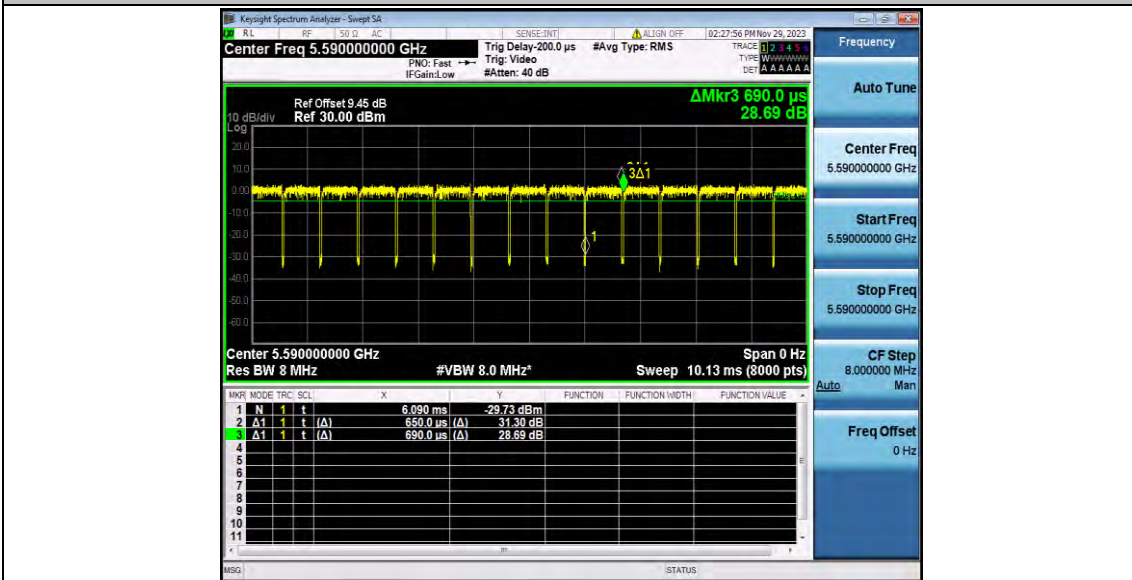
11AC20SISO_Ant1_5600



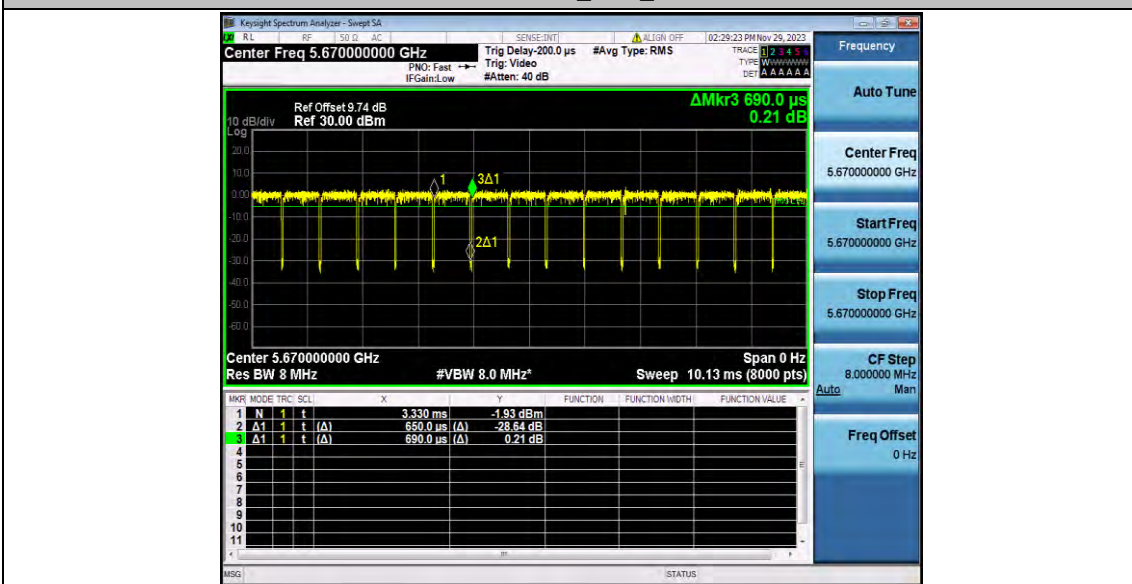
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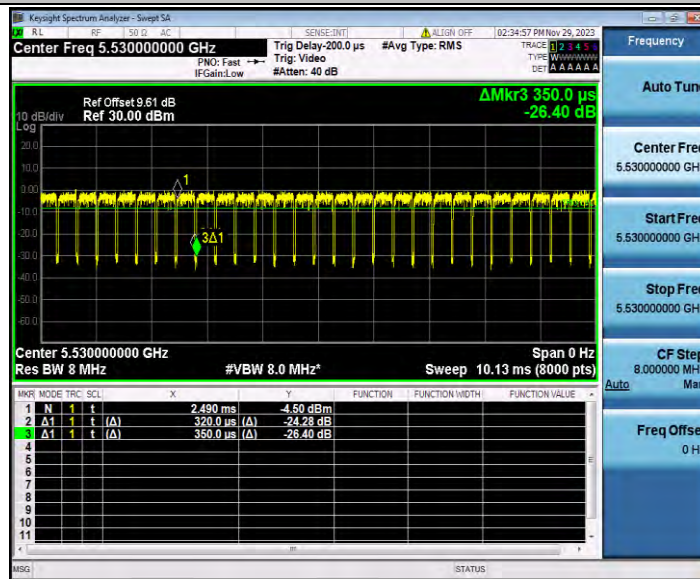
11AC40SISO_Ant1_5510



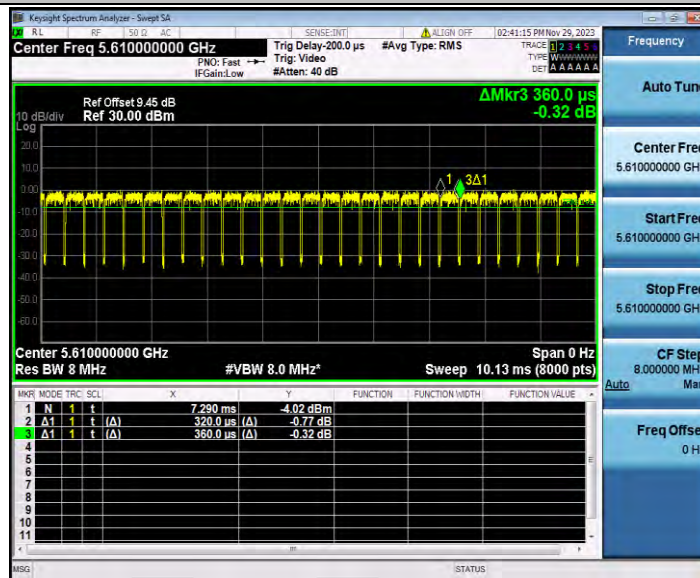
11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

Appendix F.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	6.53	97.89	0.09	6.62	≤23.98	PASS
		5600	6.30	97.20	0.12	6.42	≤23.98	PASS
		5700	6.84	97.89	0.09	6.93	≤23.98	PASS
11N20SISO	Ant1	5500	5.75	97.01	0.13	5.88	≤23.98	PASS
		5600	6.15	97.01	0.13	6.28	≤23.98	PASS
		5700	6.04	97.74	0.10	6.14	≤23.98	PASS
11N40SISO	Ant1	5510	5.89	95.59	0.20	6.09	≤23.98	PASS
		5590	5.92	95.59	0.20	6.12	≤23.98	PASS
		5670	6.44	94.12	0.26	6.70	≤23.98	PASS
11AC20SIS O	Ant1	5500	6.76	97.74	0.10	6.86	≤23.98	PASS
		5600	6.28	97.74	0.10	6.38	≤23.98	PASS
		5700	6.05	97.01	0.13	6.18	≤23.98	PASS
11AC40SIS O	Ant1	5510	6.59	94.20	0.26	6.85	≤23.98	PASS
		5590	5.76	94.20	0.26	6.02	≤23.98	PASS
		5670	6.24	94.20	0.26	6.50	≤23.98	PASS
11AC80SIS O	Ant1	5530	6.10	91.43	0.39	6.49	≤23.98	PASS
		5610	5.62	88.89	0.51	6.13	≤23.98	PASS

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

Appendix F.5: Maximum power spectral density

Test Result

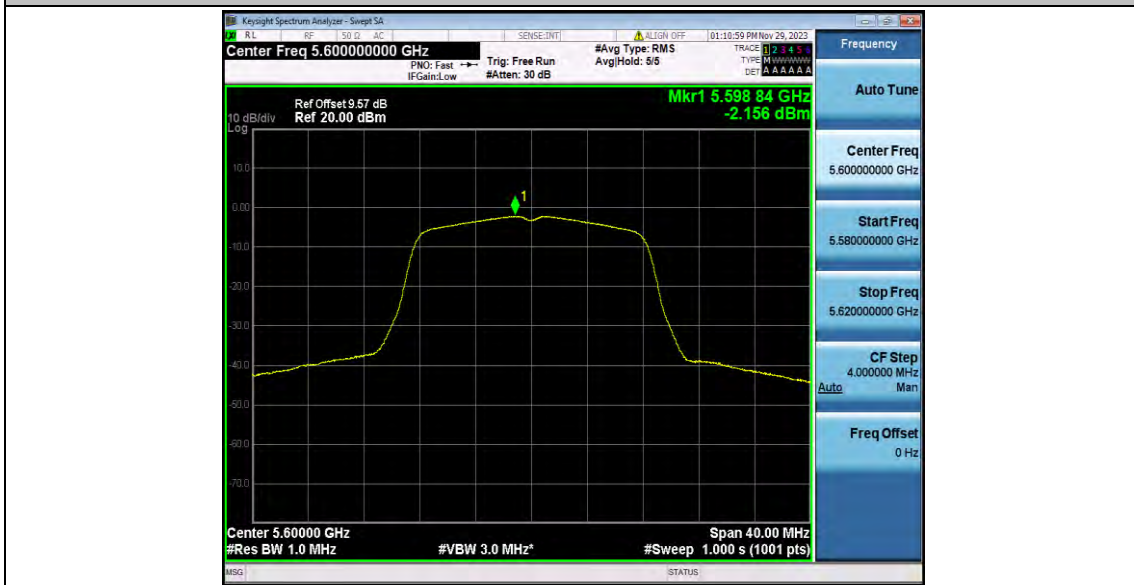
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	-2.01	≤11.00	PASS
		5600	-2.16	≤11.00	PASS
		5700	-2.62	≤11.00	PASS
11N20SISO	Ant1	5500	-4.88	≤11.00	PASS
		5600	-2.34	≤11.00	PASS
		5700	-5.33	≤11.00	PASS
11N40SISO	Ant1	5510	-7.25	≤11.00	PASS
		5590	-7.18	≤11.00	PASS
		5670	-7.71	≤11.00	PASS
11AC20SISO	Ant1	5500	-4.87	≤11.00	PASS
		5600	-4.38	≤11.00	PASS
		5700	-5.47	≤11.00	PASS
11AC40SISO	Ant1	5510	-7.46	≤11.00	PASS
		5590	-7.29	≤11.00	PASS
		5670	-7.94	≤11.00	PASS
11AC80SISO	Ant1	5530	-10.96	≤11.00	PASS
		5610	-10.6	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

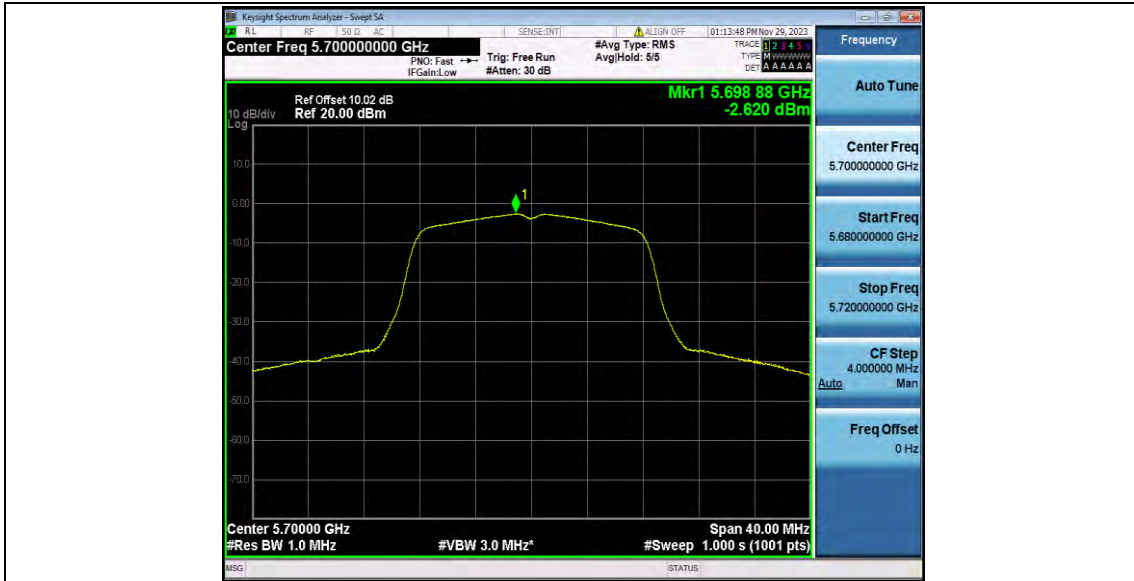
Test Graphs



11A_Ant1_5500



11A_Ant1_5600



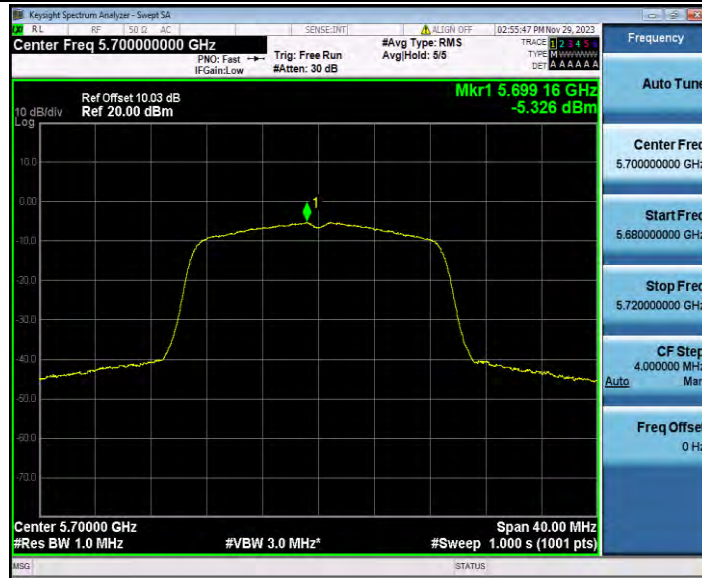
11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



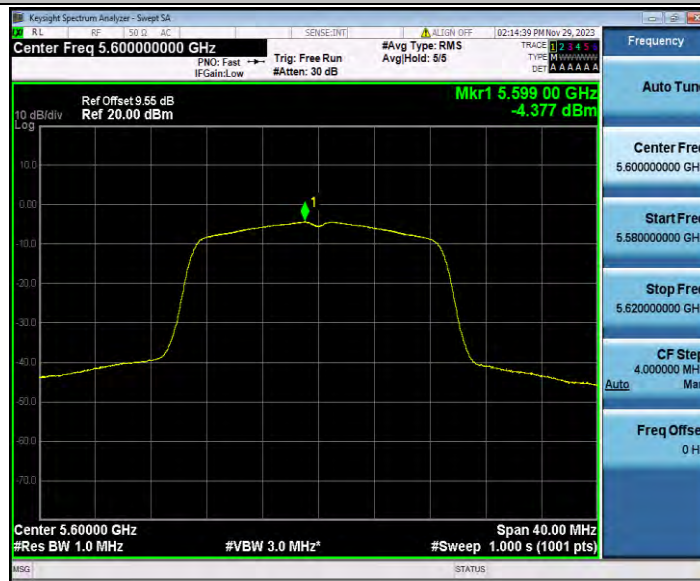
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610