

Case No. : <u>GTS20220924005-1-4</u>	
Ambient Condition: <u>26</u> °C, <u>46</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.10.13</u>	Test Engineer: <u>Jenny zeng</u>

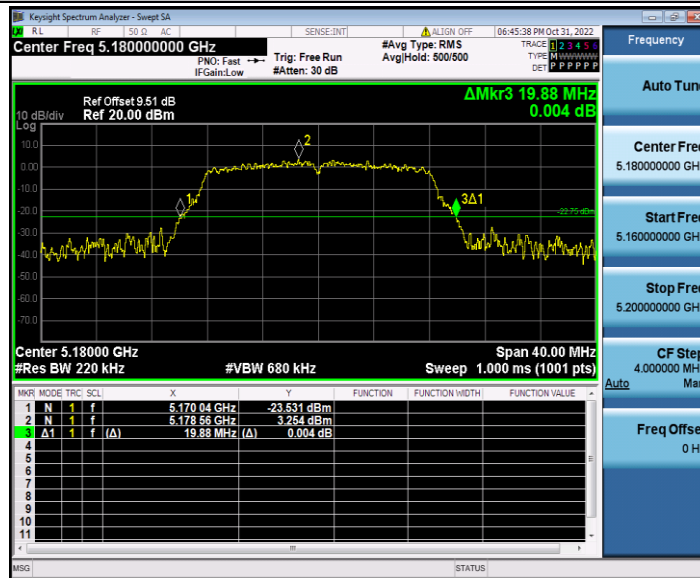
Appendix C.1: Emission Bandwidth

Test Result

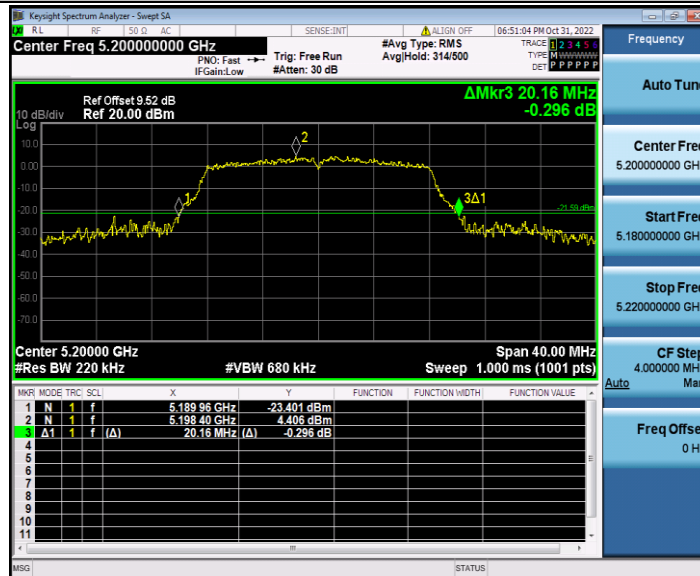
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.880	5170.040	5189.920	---	---
		5200	20.160	5189.960	5210.120	---	---
		5240	19.760	5230.120	5249.880	---	---
11N20SISO	Ant1	5180	20.360	5169.920	5190.280	---	---
		5200	20.240	5189.920	5210.160	---	---
		5240	20.120	5230.000	5250.120	---	---

Test Graphs

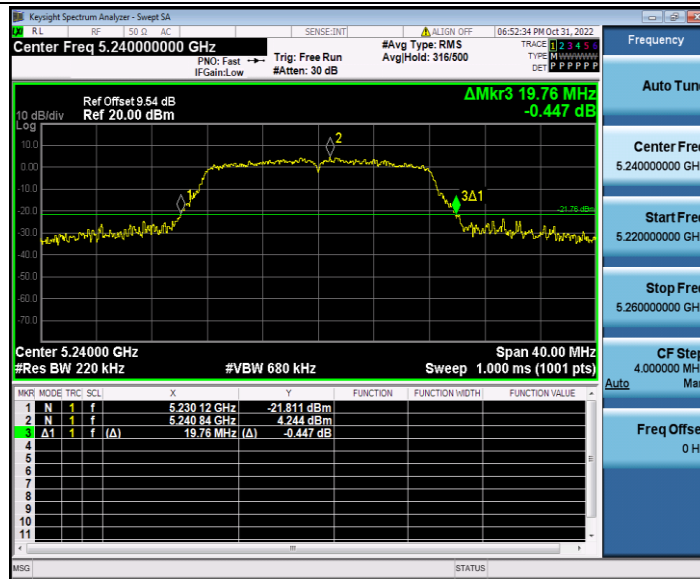
11A_Ant1_5180



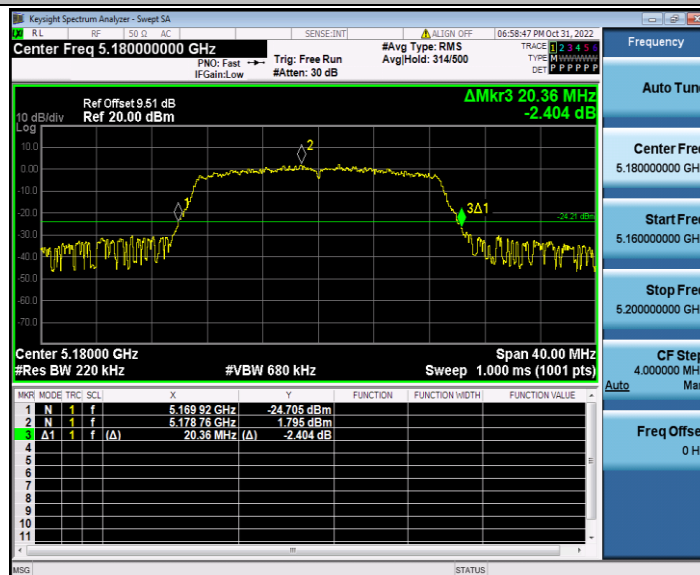
11A_Ant1_5200



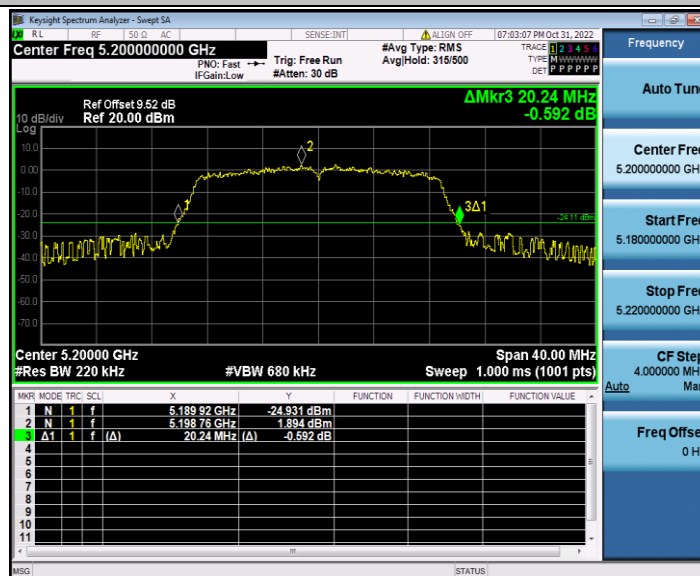
11A_Ant1_5240



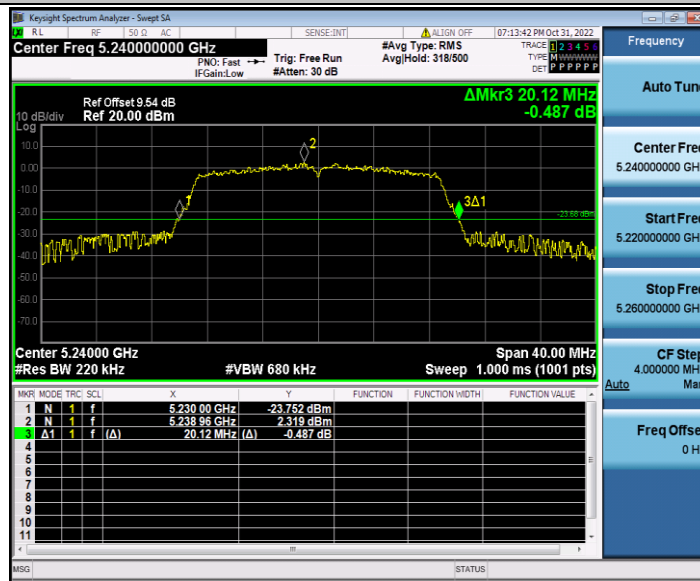
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



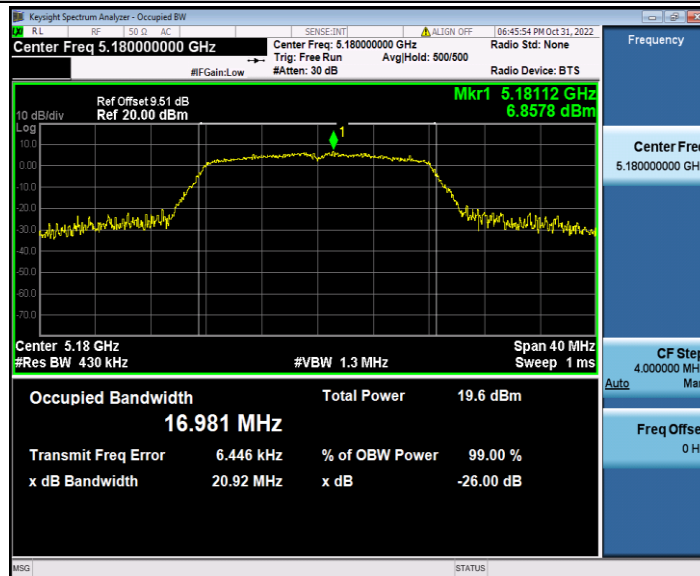
Appendix C.2: Occupied channel bandwidth

Test Result

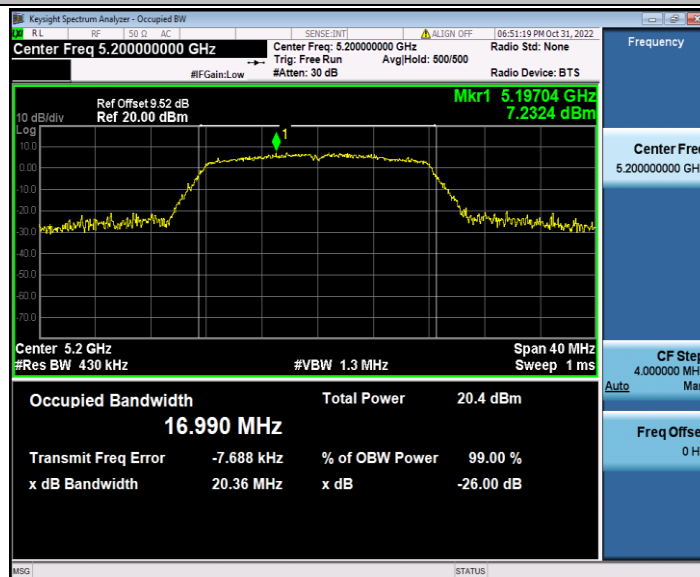
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.981	5171.516	5188.497	---	---
		5200	16.990	5191.497	5208.487	---	---
		5240	17.015	5231.509	5248.524	---	---
11N20SISO	Ant1	5180	17.870	5171.057	5188.927	---	---
		5200	17.878	5191.084	5208.962	---	---
		5240	17.965	5231.023	5248.988	---	---

Test Graphs

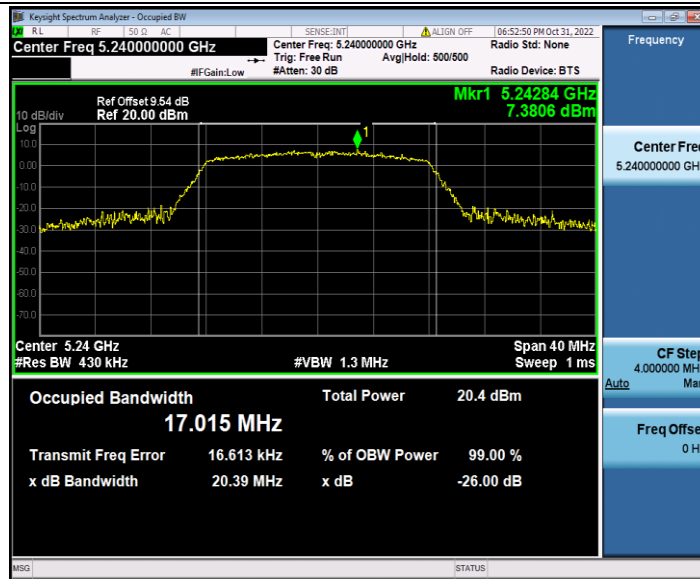
11A_Ant1_5180



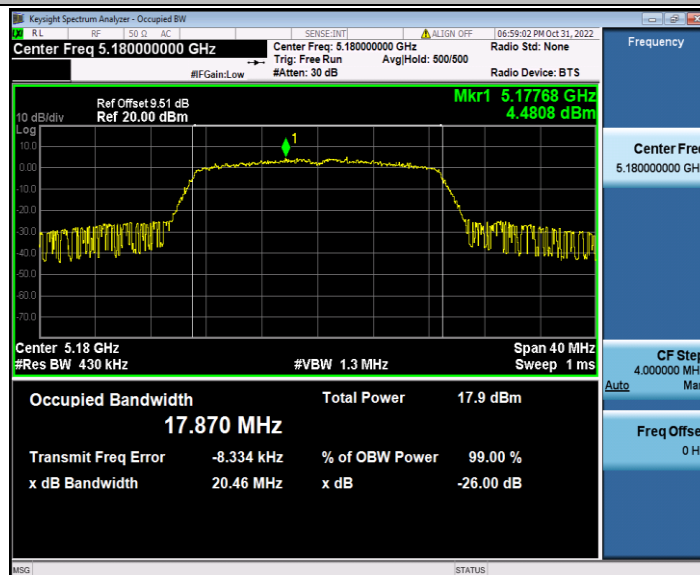
11A_Ant1_5200



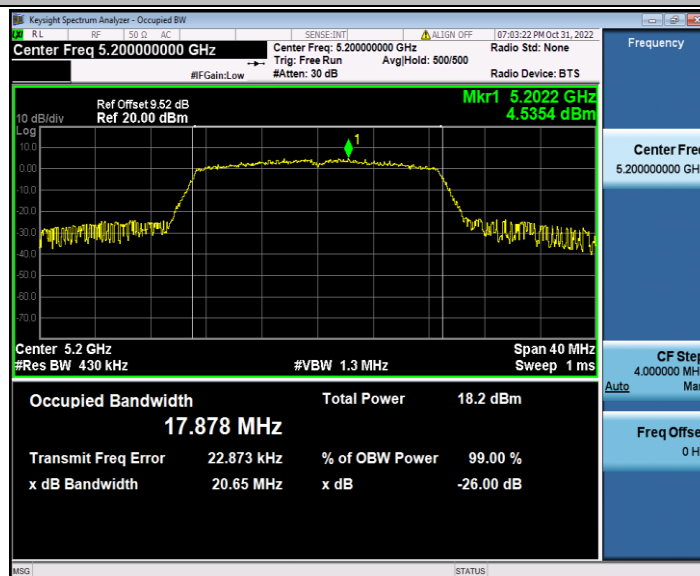
11A_Ant1_5240



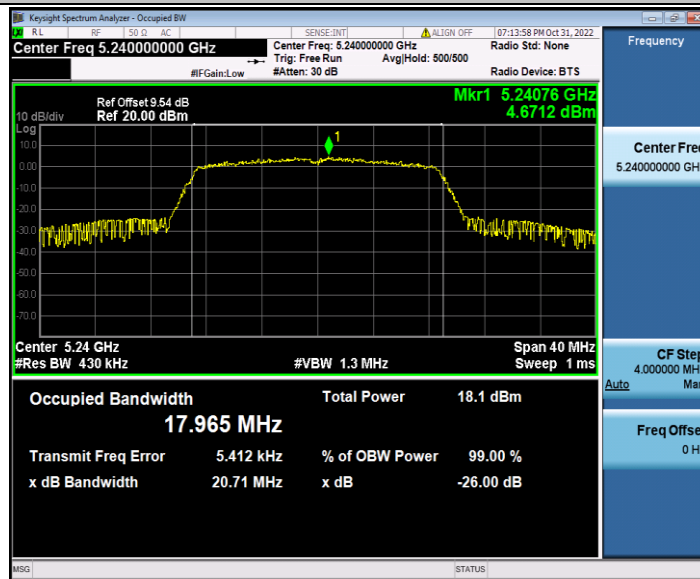
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



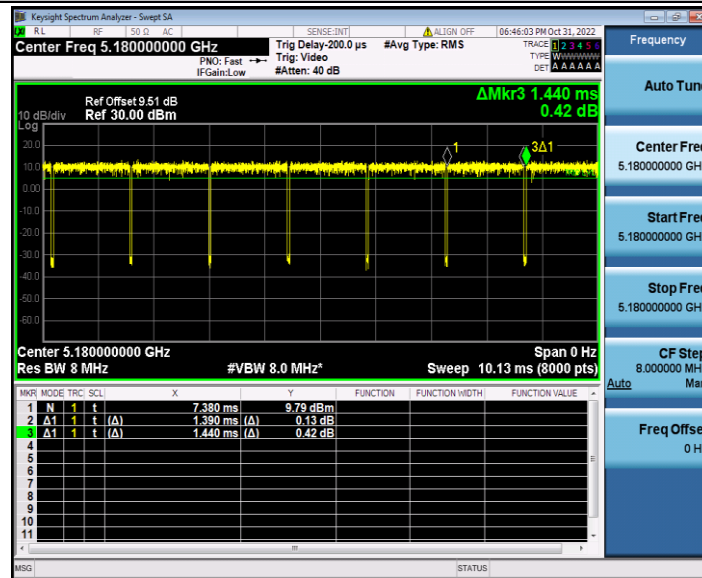
Appendix C.3: Duty Cycle

Test Result

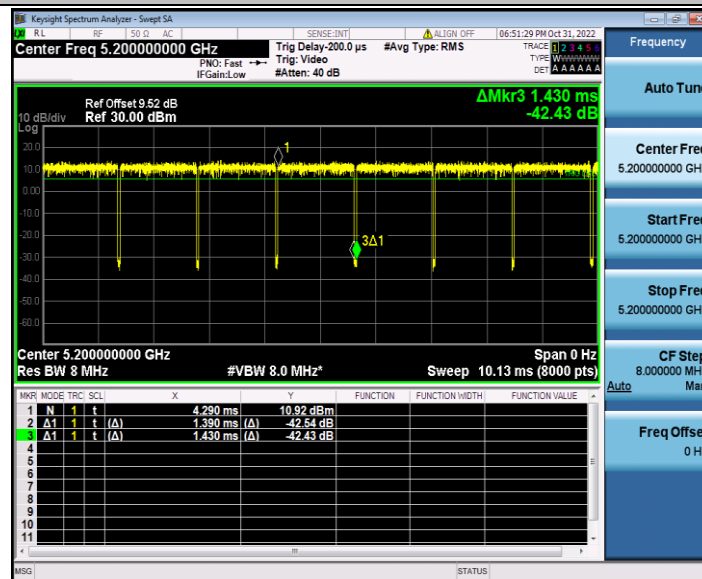
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.39	1.44	96.53
		5200	1.39	1.43	97.20
		5240	1.39	1.43	97.20
11N20SISO	Ant1	5180	1.30	1.34	97.01
		5200	1.30	1.34	97.01
		5240	1.30	1.35	96.30

Test Graphs

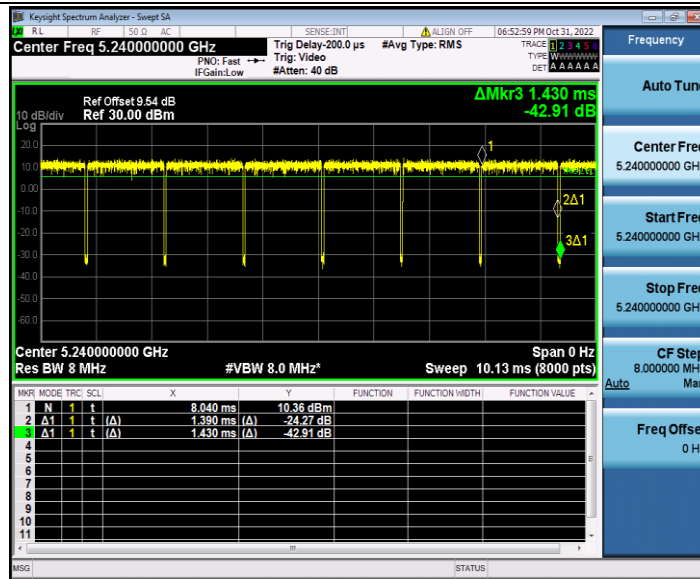
11A_Ant1_5180



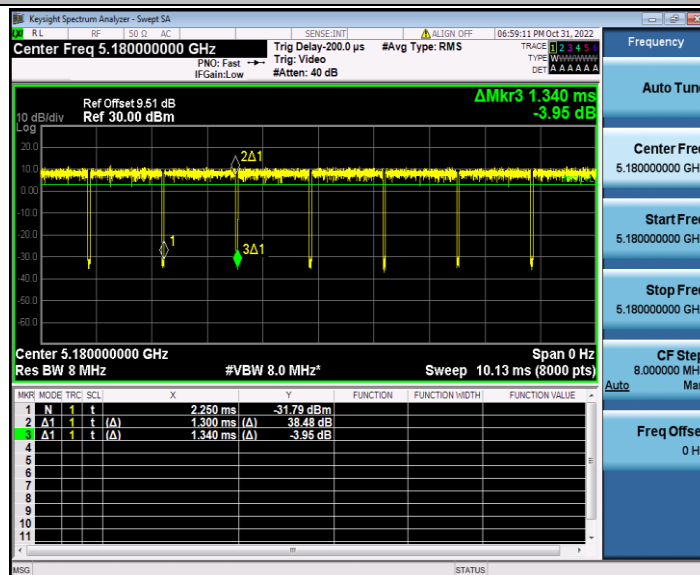
11A_Ant1_5200



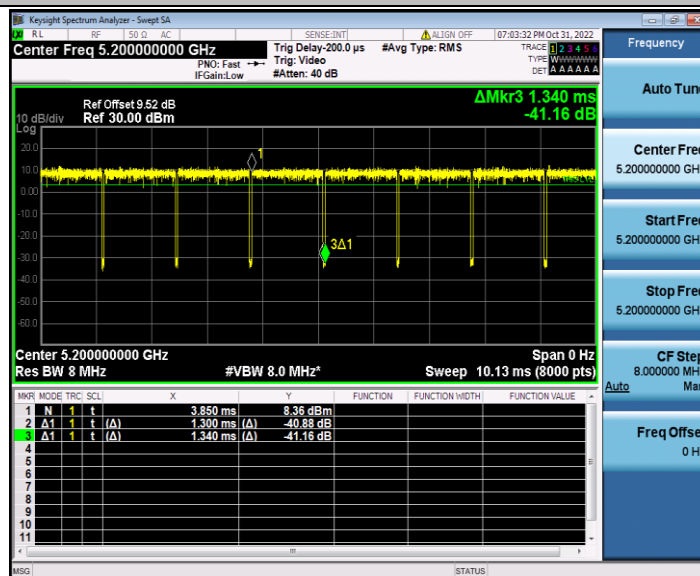
11A_Ant1_5240



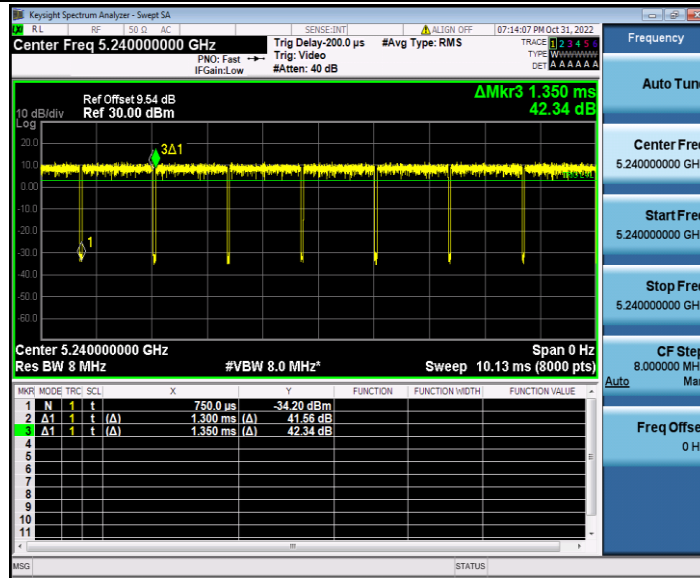
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



Appendix C.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	12.74	96.53	0.15	12.89	≤23.98	PASS
		5200	13.53	97.20	0.12	13.65	≤23.98	PASS
		5240	13.46	97.20	0.12	13.58	≤23.98	PASS
11N20SISO	Ant1	5180	11.02	97.01	0.13	11.15	≤23.98	PASS
		5200	11.31	97.01	0.13	11.44	≤23.98	PASS
		5240	11.35	96.30	0.16	11.51	≤23.98	PASS

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

Appendix C.5: Maximum power spectral density

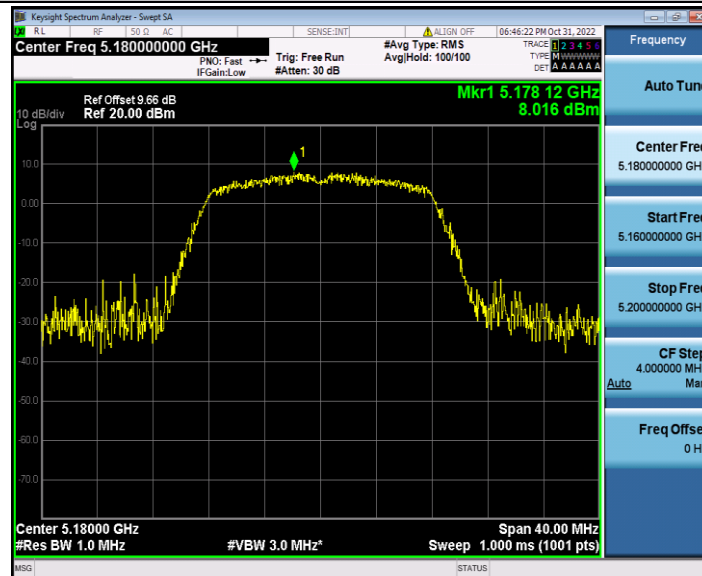
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	8.02	≤11.00	PASS
		5200	9.07	≤11.00	PASS
		5240	8.69	≤11.00	PASS
11N20SISO	Ant1	5180	6.31	≤11.00	PASS
		5200	6.32	≤11.00	PASS
		5240	6.36	≤11.00	PASS

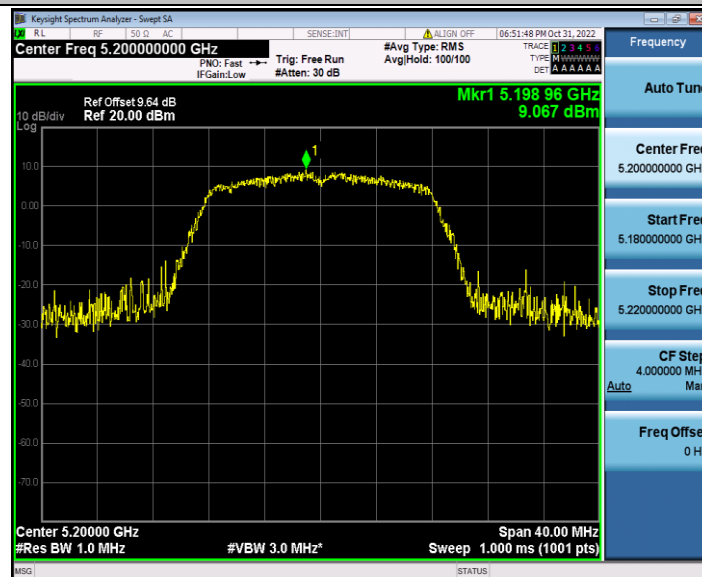
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5180



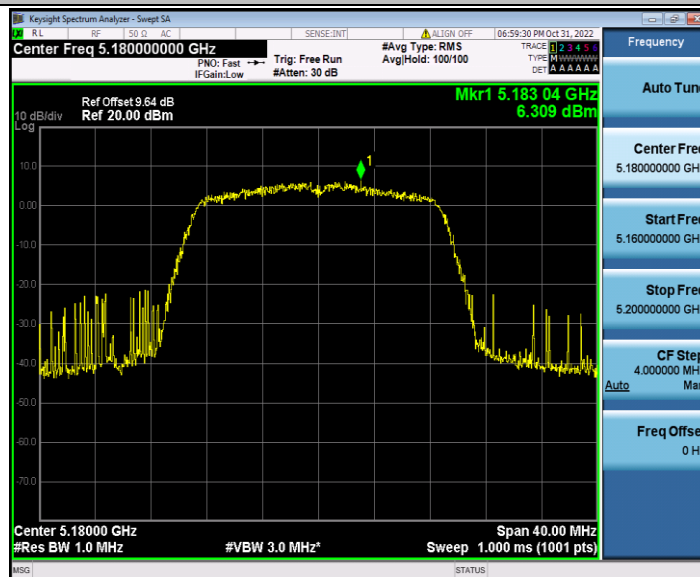
11A_Ant1_5200



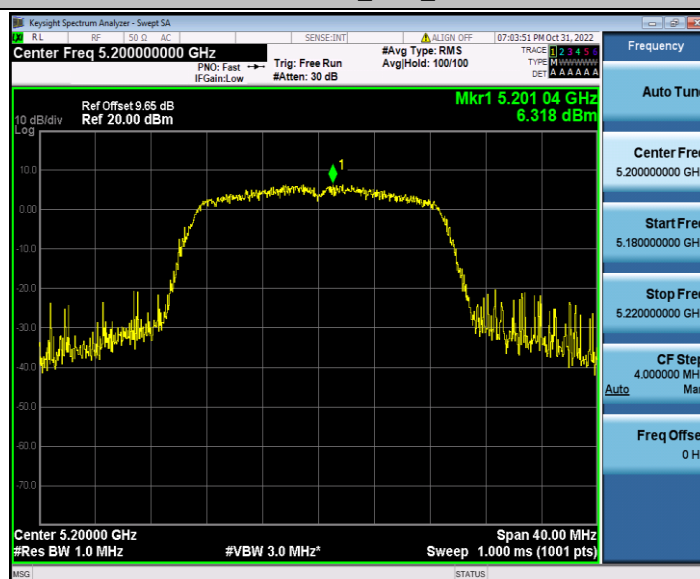
11A_Ant1_5240



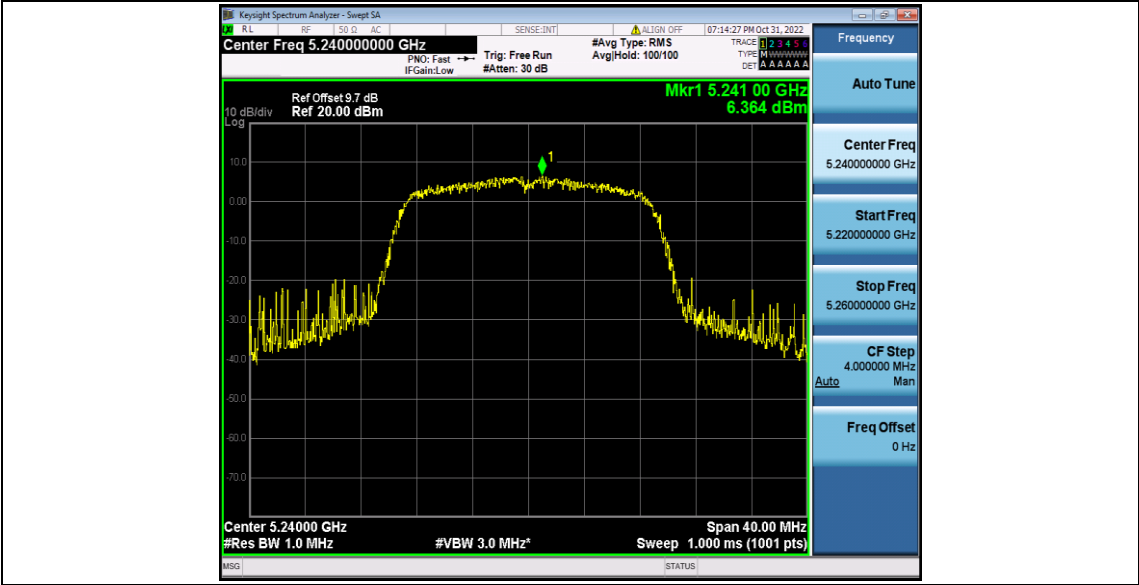
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



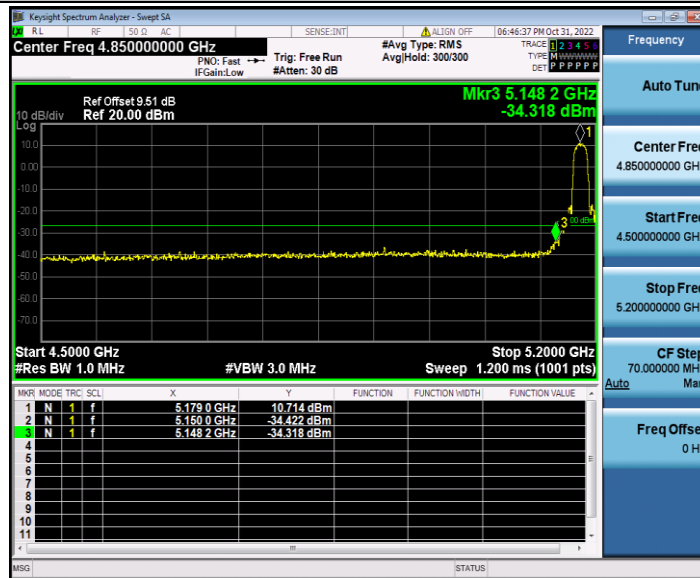
Appendix C.6: Band edge measurements

Test Result B1

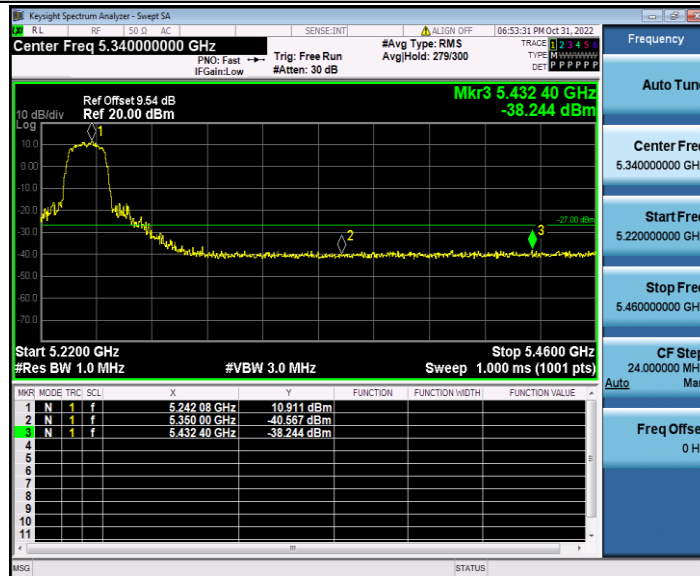
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-34.32	≤-27	PASS
		High	5240	-38.24	≤-27	PASS
11N20SISO	Ant1	Low	5180	-35.85	≤-27	PASS
		High	5240	-37.74	≤-27	PASS

Test Graphs B1

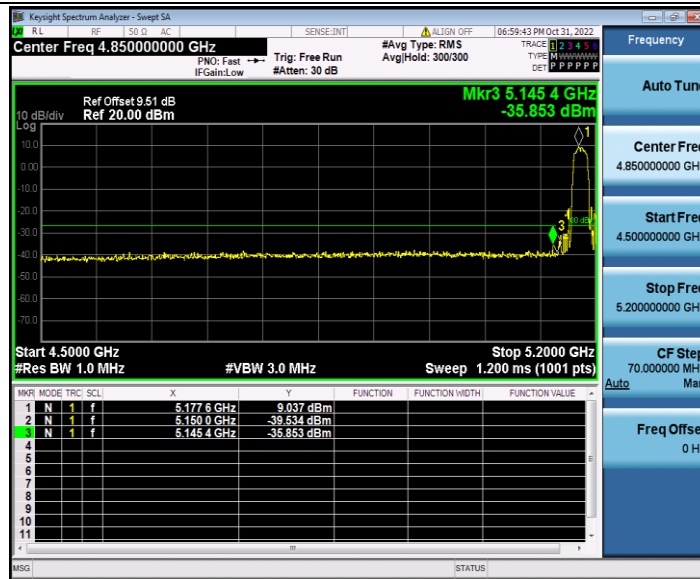
11A_Ant1_Low_5180



11A_Ant1_High_5240



11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



Appendix C.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5139.83	-44.56	≤-27	PASS
			5360~40000	24404.64	-38.1	≤-27	PASS
		5200	30~5140	5139.15	-43.8	≤-27	PASS
			5360~40000	25628.75	-37.59	≤-27	PASS
		5240	30~5140	5129.44	-46.24	≤-27	PASS
			5360~40000	24187.52	-38.28	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5128.76	-45.96	≤-27	PASS
			5360~40000	23556.35	-37.4	≤-27	PASS
		5200	30~5140	4943.27	-46.47	≤-27	PASS
			5360~40000	23515.24	-37.89	≤-27	PASS
		5240	30~5140	4932.7	-46.64	≤-27	PASS
			5360~40000	25635.96	-37.68	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



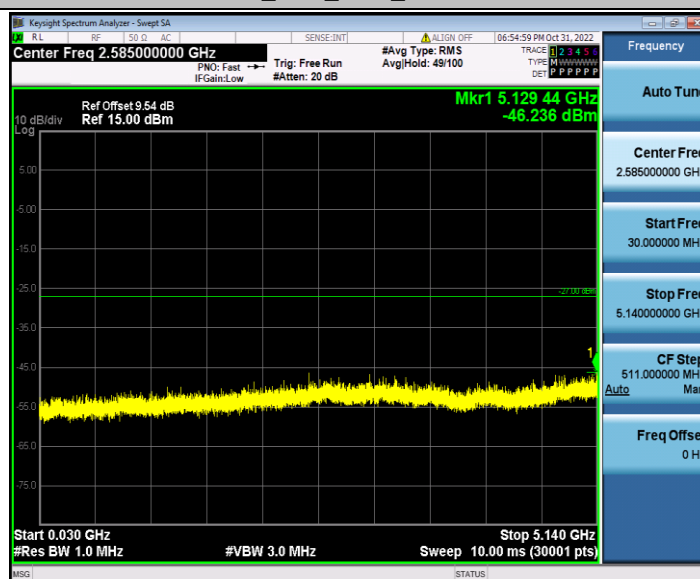
11A_Ant1_5200_30~5140



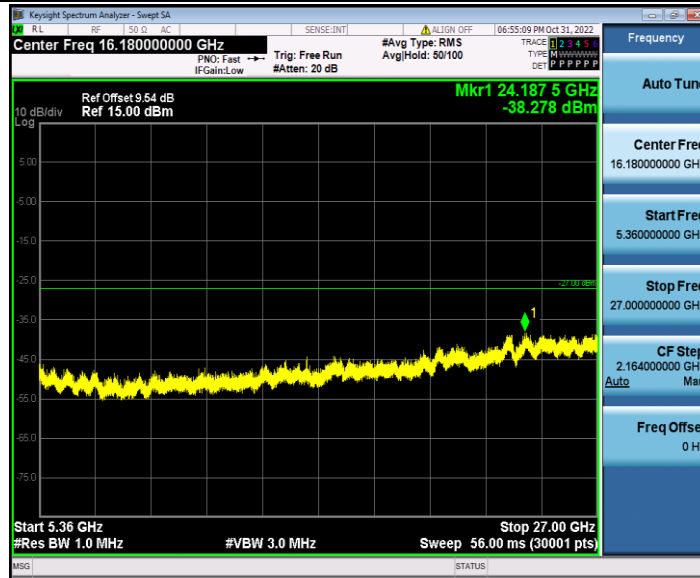
11A_Ant1_5200_5360~40000



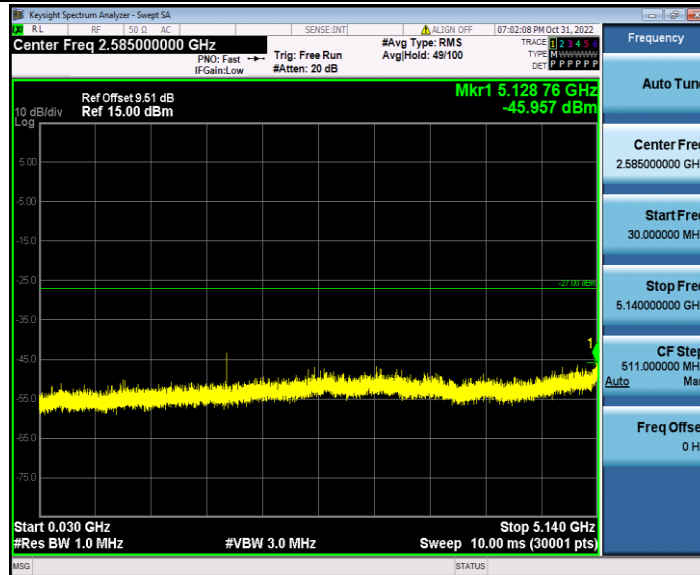
11A_Ant1_5240_30~5140



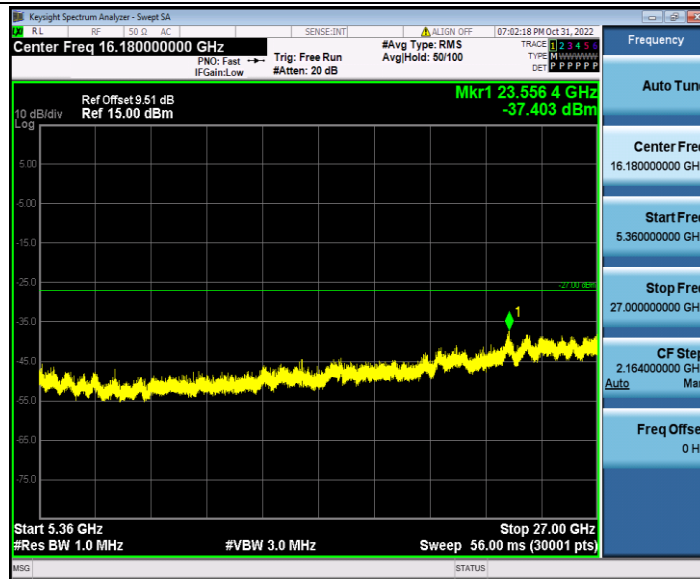
11A_Ant1_5240_5360~40000



11N20SISO_Ant1_5180_30~5140



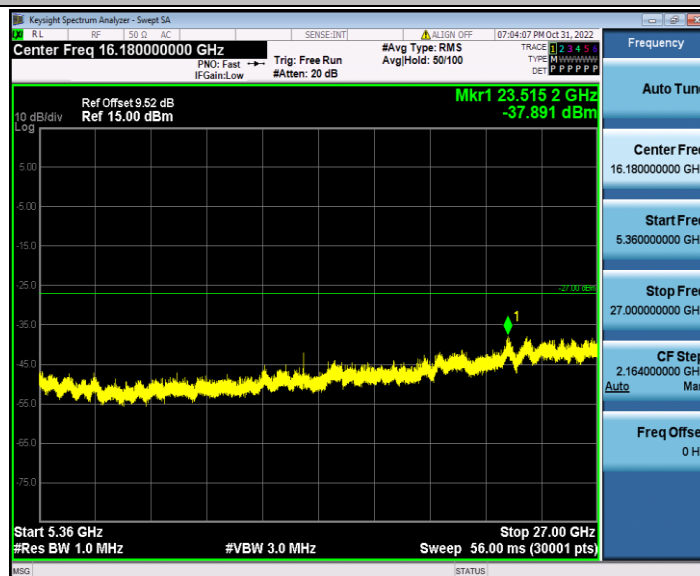
11N20SISO_Ant1_5180_5360~40000



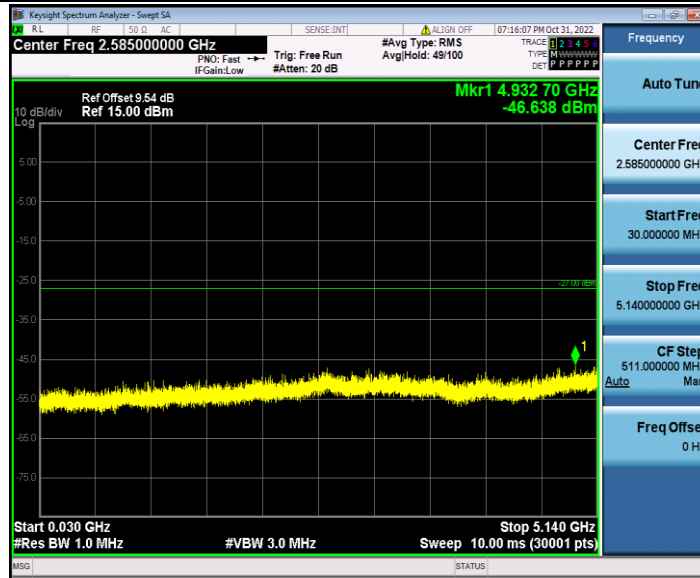
11N20SISO_Ant1_5200_30~5140



11N20SISO_Ant1_5200_5360~40000



11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~40000

