

<b>Case No. :</b> <u>GTS20231117002-1-4</u>
<b>Ambient Condition:</b> <u>25 °C, 48 %RH, Atmos100.1Kpa,</u>
<b>Test Date:</b> <u>2023.11.28</u> <b>Test Engineer:</b> <u>Evan ouyang</u>

## Appendix D.1: Emission Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.040	5170.040	5190.080	---	---
		5200	20.480	5189.600	5210.080	---	---
		5240	19.760	5230.040	5249.800	---	---
11N20SISO	Ant1	5180	20.000	5170.000	5190.000	---	---
		5200	20.120	5190.040	5210.160	---	---
		5240	20.120	5230.000	5250.120	---	---
11N40SISO	Ant1	5190	40.640	5169.520	5210.160	---	---
		5230	41.200	5209.120	5250.320	---	---
11AC20SISO	Ant1	5180	20.040	5169.960	5190.000	---	---
		5200	19.960	5190.040	5210.000	---	---
		5240	19.960	5230.080	5250.040	---	---
11AC40SISO	Ant1	5190	40.480	5169.920	5210.400	---	---
		5230	40.400	5209.760	5250.160	---	---
11AC80SISO	Ant1	5210	82.080	5169.040	5251.120	---	---

## 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

## Appendix D.2: Occupied channel bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.998	5171.467	5188.465	---	---
		5200	17.032	5191.424	5208.456	---	---
		5240	16.984	5231.434	5248.418	---	---
11N20SISO	Ant1	5180	17.798	5171.129	5188.927	---	---
		5200	17.788	5191.123	5208.911	---	---
		5240	17.769	5231.118	5248.887	---	---
11N40SISO	Ant1	5190	36.342	5171.924	5208.266	---	---
		5230	36.321	5211.899	5248.220	---	---
11AC20SISO	Ant1	5180	17.731	5171.174	5188.905	---	---
		5200	17.742	5191.144	5208.886	---	---
		5240	17.725	5231.146	5248.871	---	---
11AC40SISO	Ant1	5190	36.204	5172.001	5208.205	---	---
		5230	36.223	5211.940	5248.163	---	---
11AC80SISO	Ant1	5210	75.917	5172.103	5248.020	---	---



## Test Graphs



11A\_Ant1\_5180



11A\_Ant1\_5200



11A\_Ant1\_5240



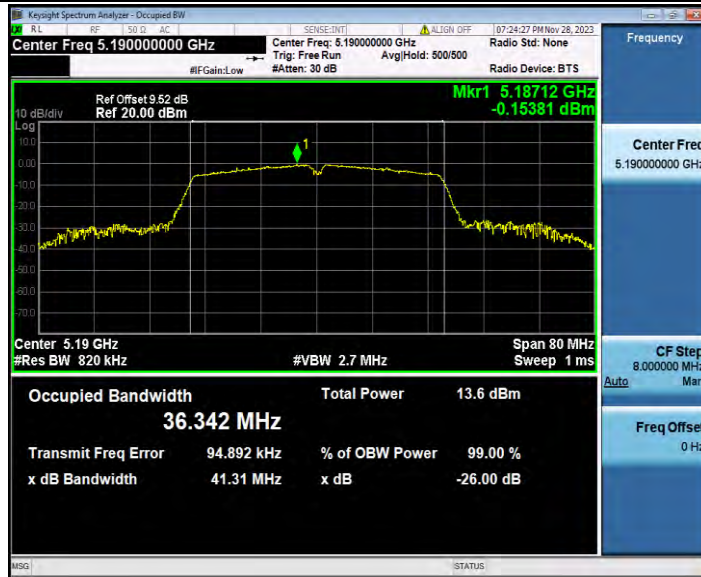
11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200



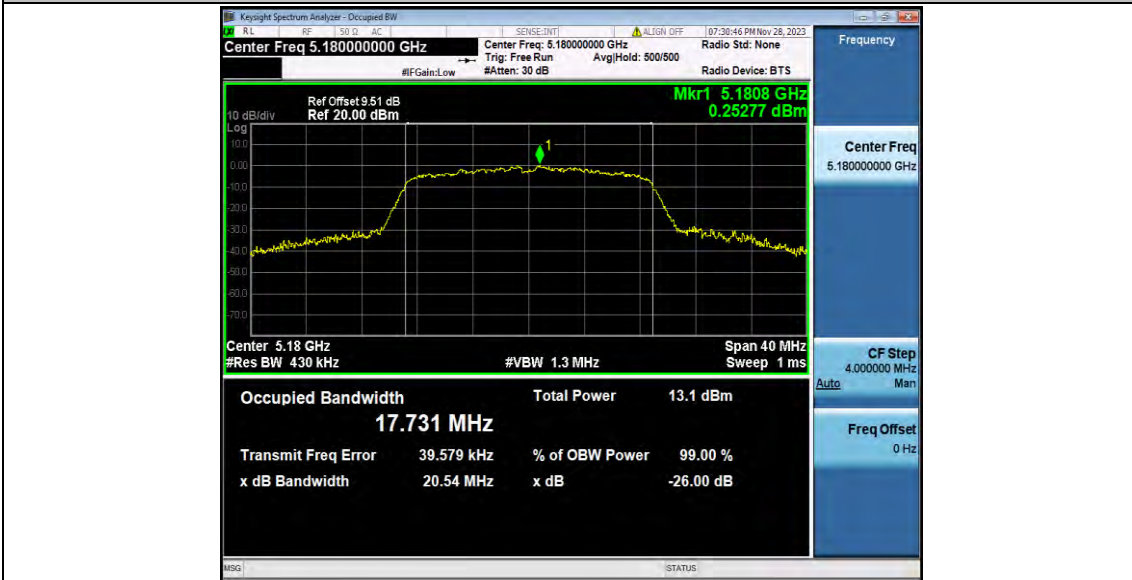
11N20SISO\_Ant1\_5240



11N40SISO\_Ant1\_5190



11N40SISO\_Ant1\_5230



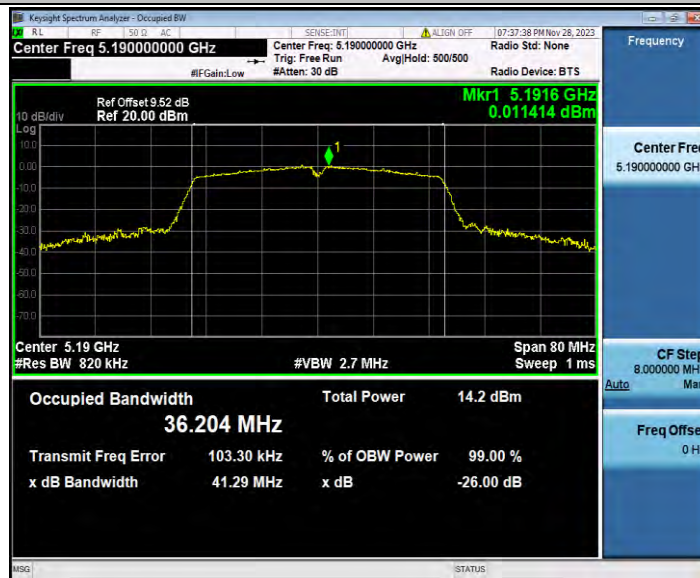
11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



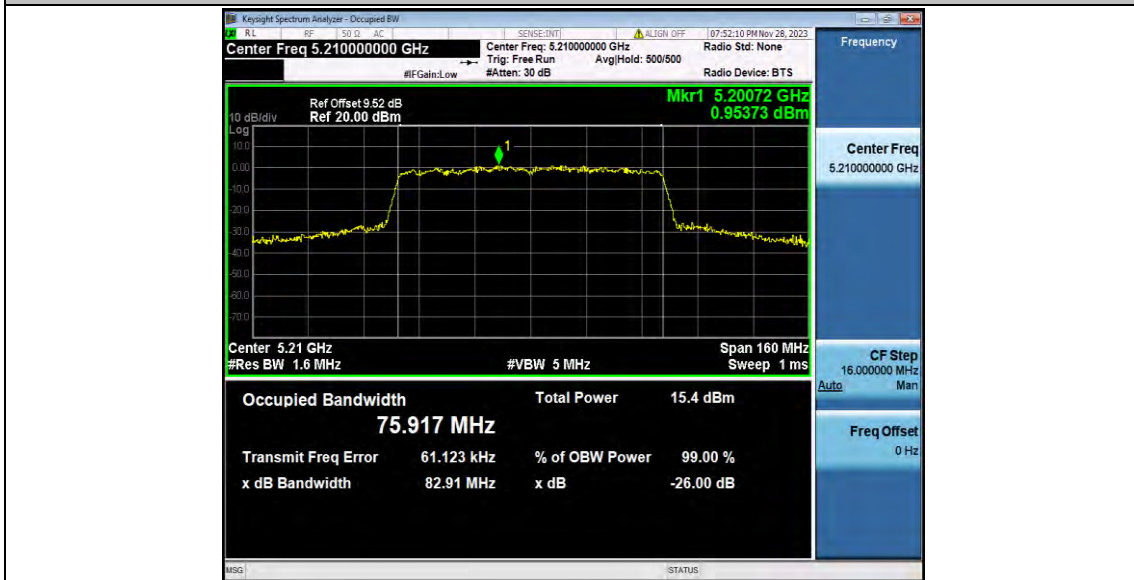
11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



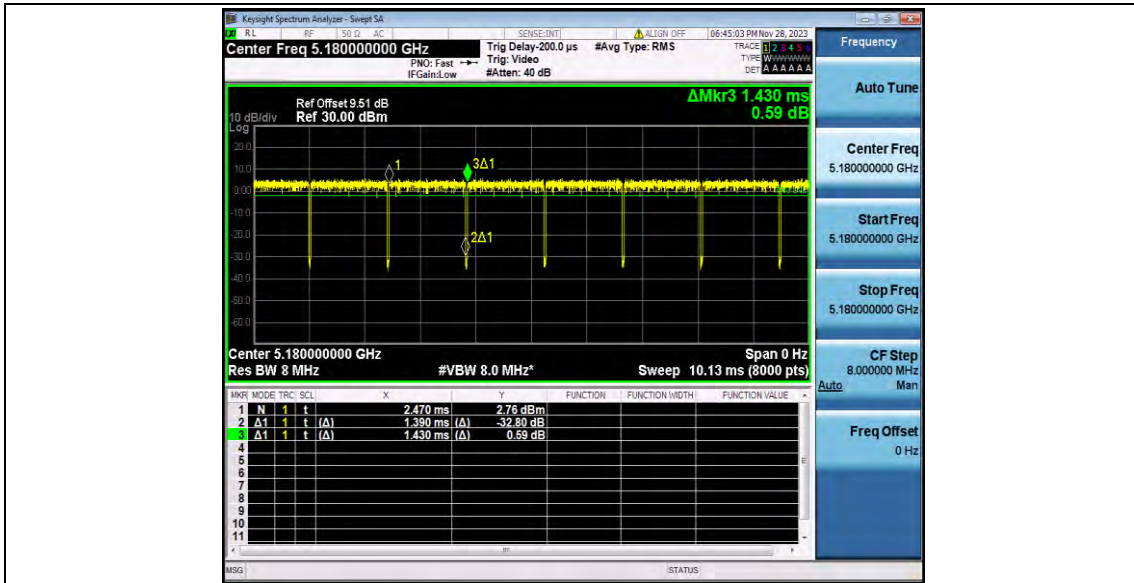
11AC80SISO\_Ant1\_5210

## Appendix D.3: Duty Cycle

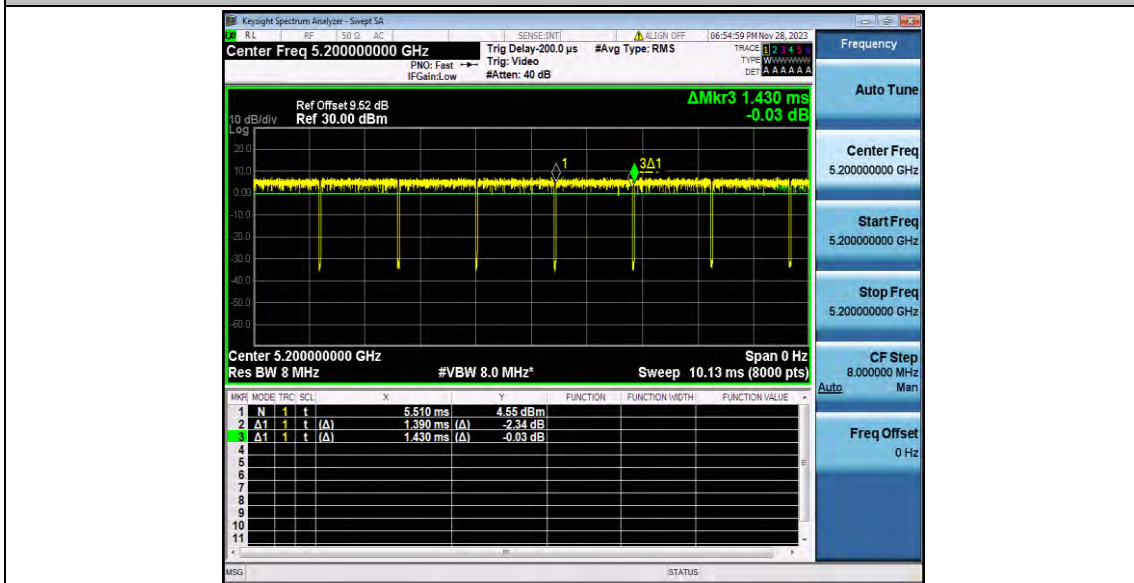
### Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.39	1.43	97.20
		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	1.33	97.74
		5240	1.30	1.34	97.01
11N40SISO	Ant1	5190	0.64	0.68	94.12
		5230	0.65	0.68	95.59
11AC20SISO	Ant1	5180	1.31	1.35	97.04
		5200	1.32	1.35	97.78
		5240	1.31	1.35	97.04
11AC40SISO	Ant1	5190	0.65	0.69	94.20
		5230	0.65	0.69	94.20
11AC80SISO	Ant1	5210	0.33	0.36	91.67

## Test Graphs

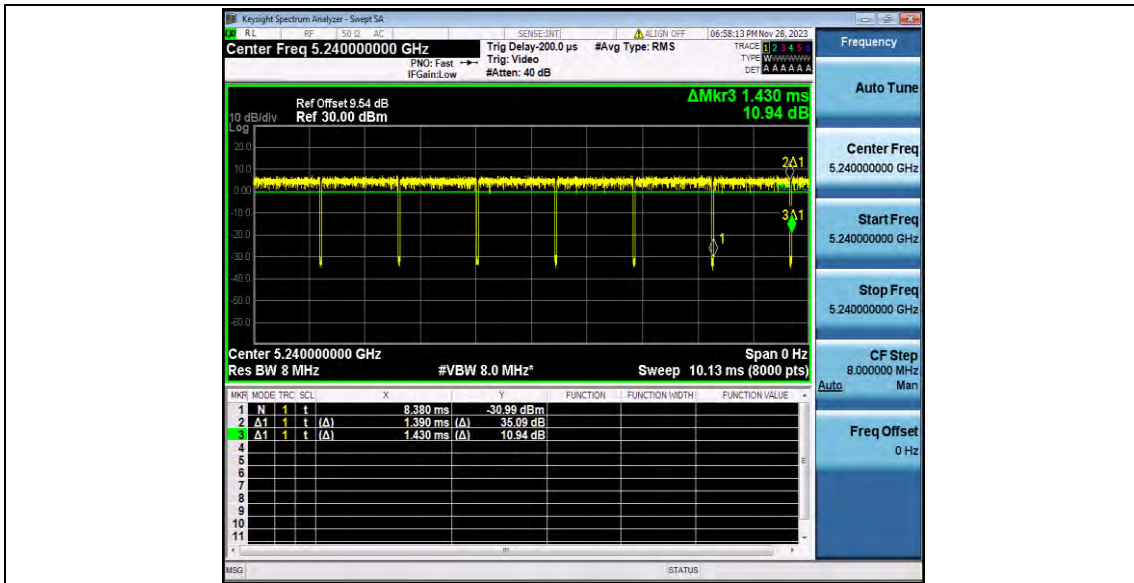


11A\_Ant1\_5180

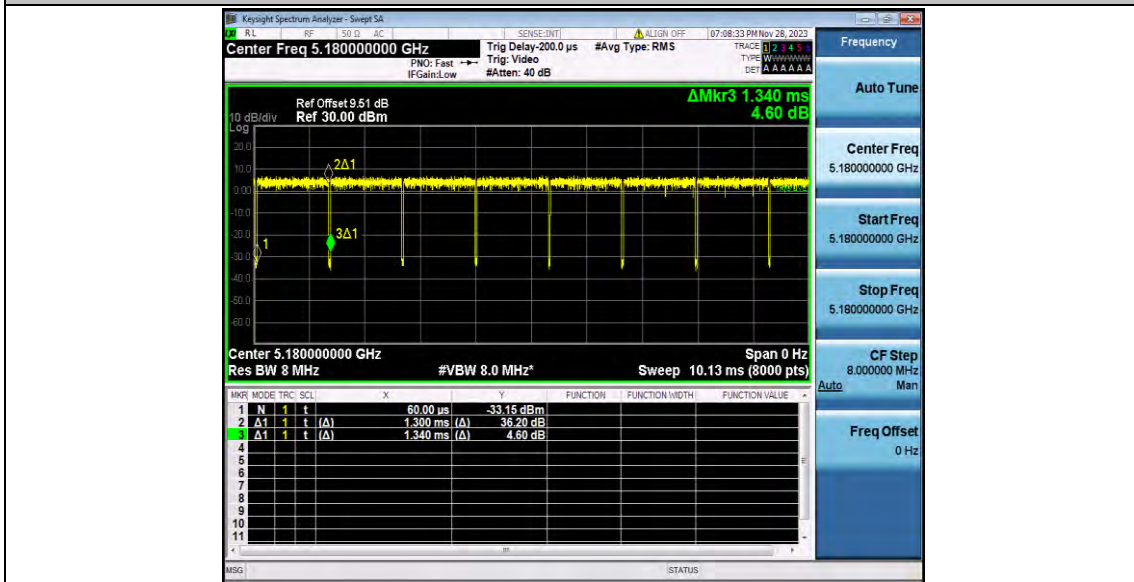


11A\_Ant1\_5200

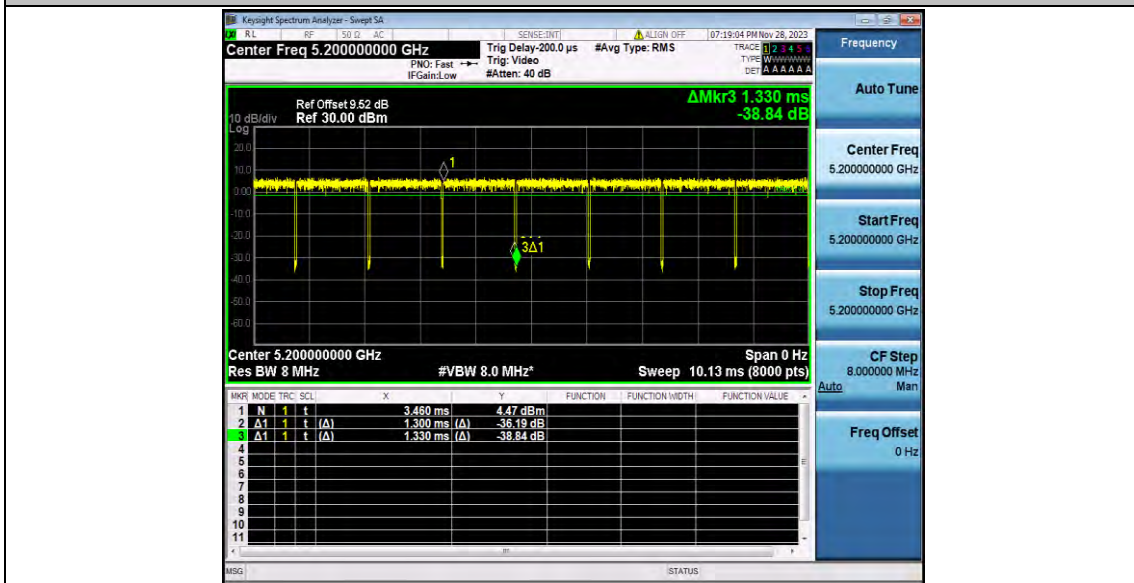




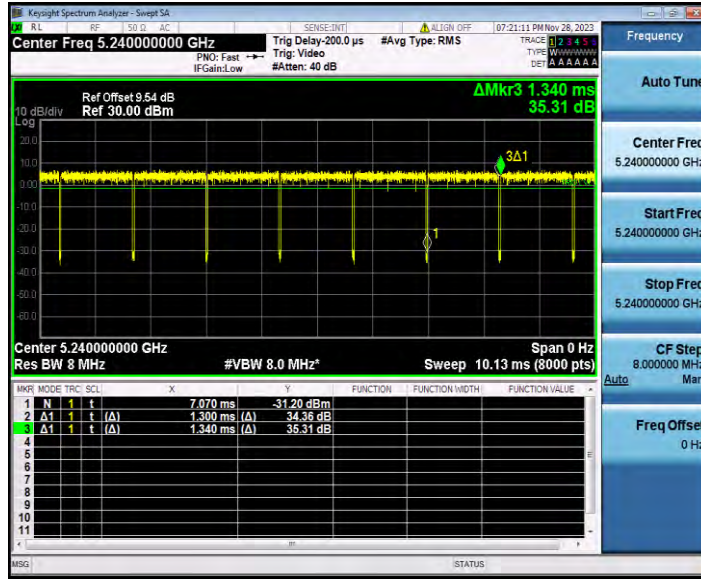
11A\_Ant1\_5240



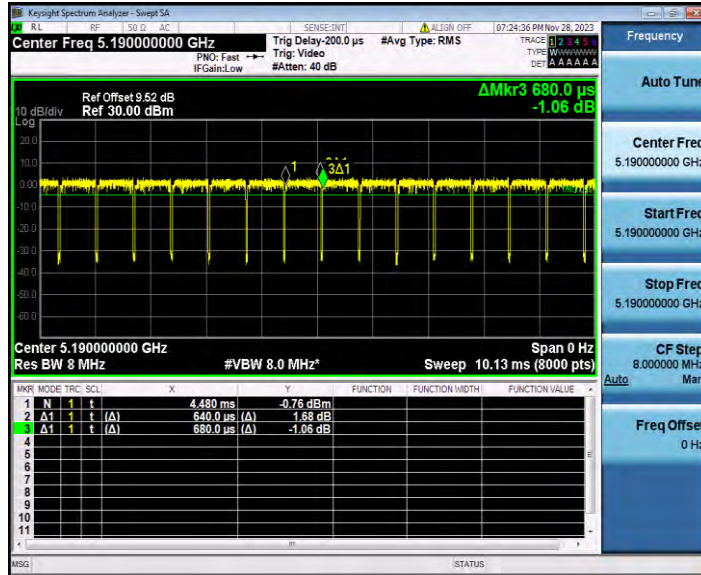
11N20SISO\_Ant1\_5180



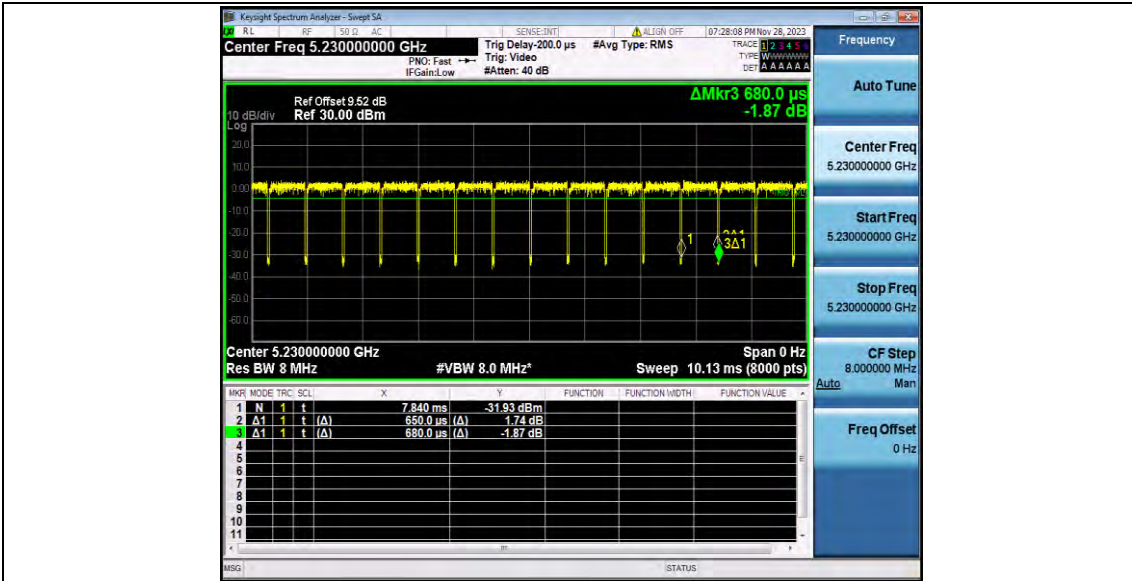
11N20SISO\_Ant1\_5200



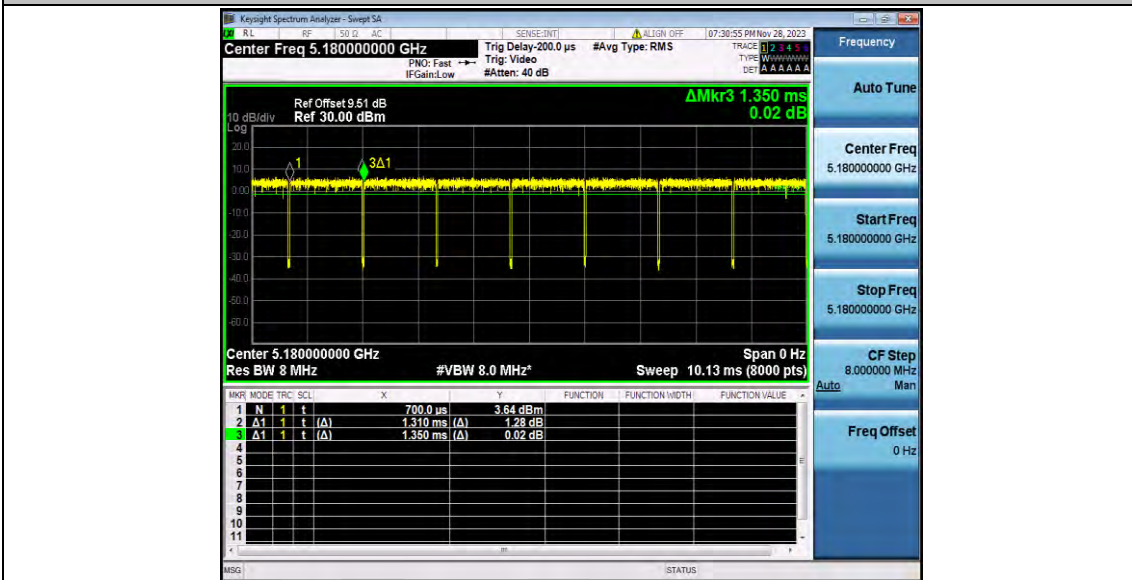
11N20SISO\_Ant1\_5240



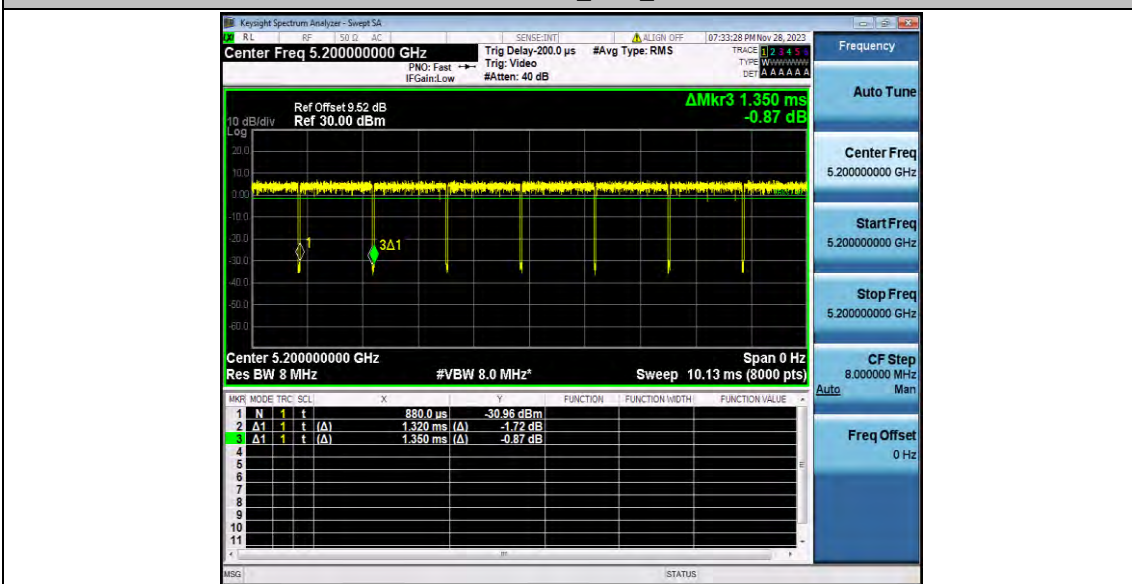
11N40SISO\_Ant1\_5190



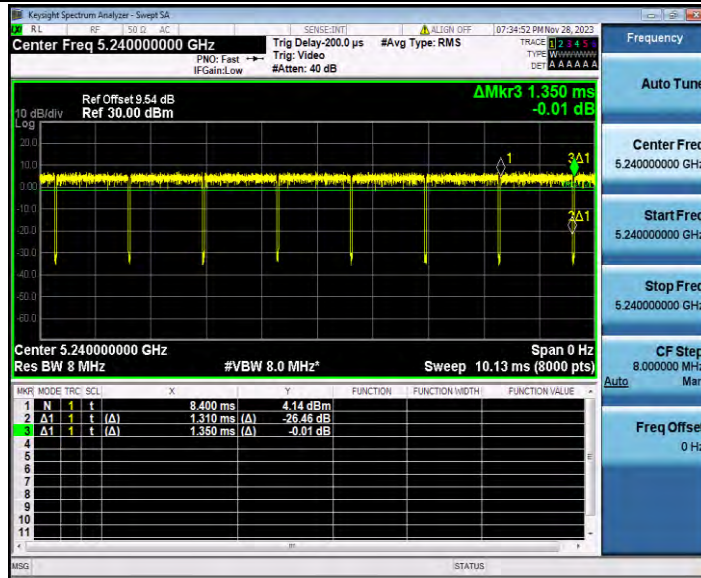
11N40SISO\_Ant1\_5230



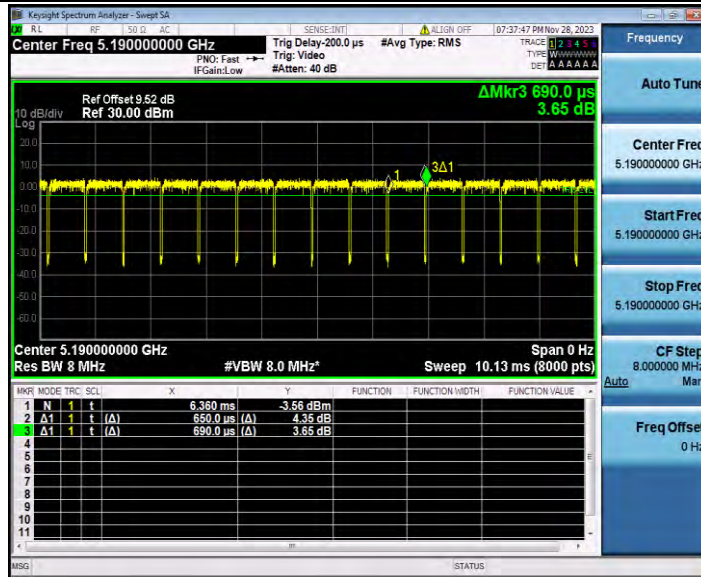
11AC20SISO\_Ant1\_5180



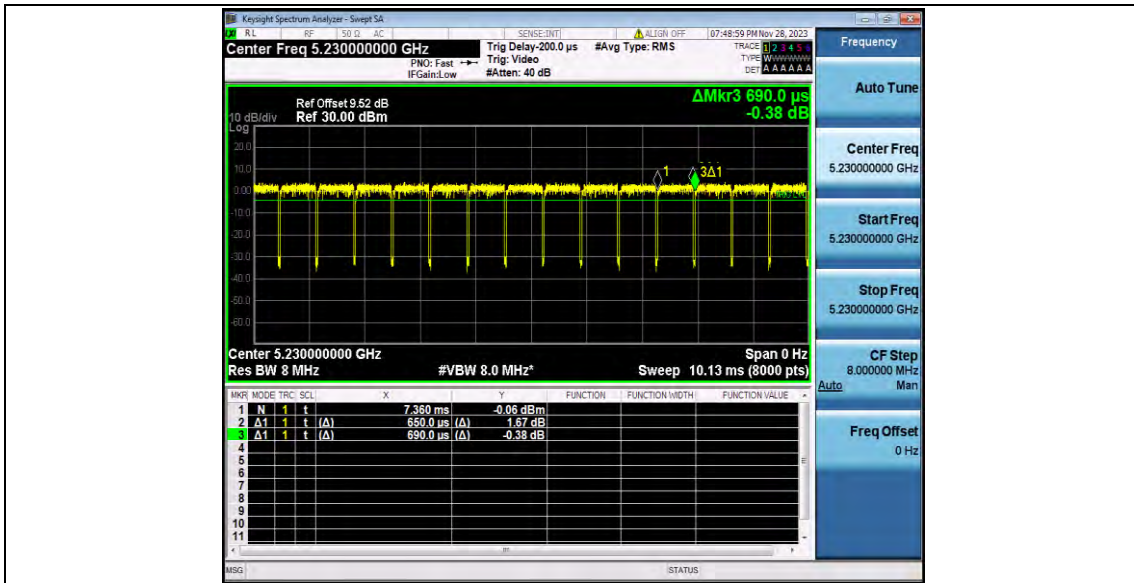
11AC20SISO\_Ant1\_5200



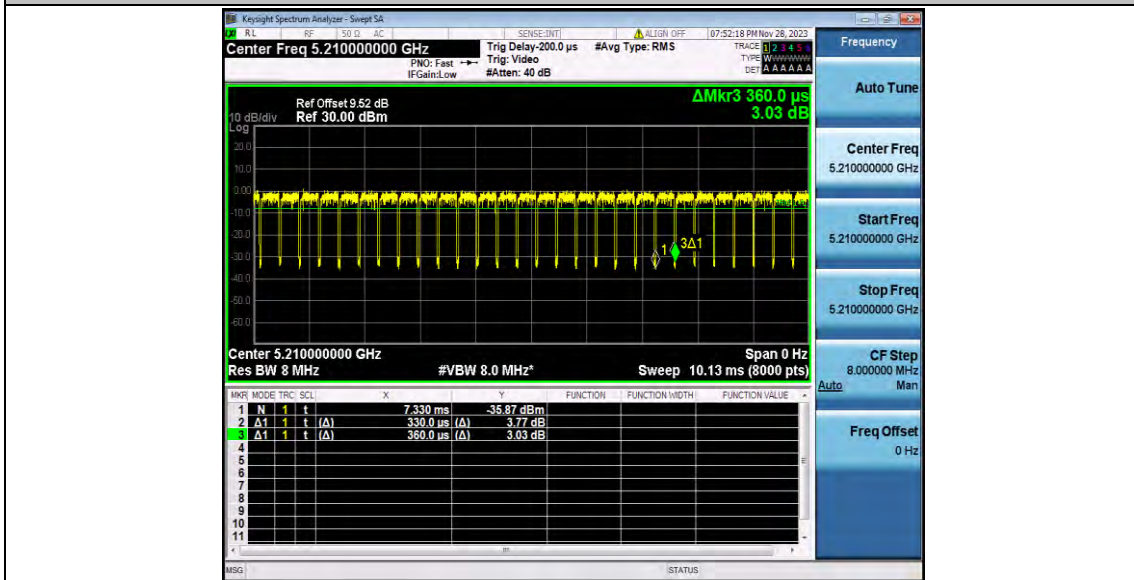
11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230



11AC80SISO\_Ant1\_5210

## Appendix D.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	5.72	97.20	0.12	7.84	≤23.98	PASS
		5200	7.34	97.20	0.12	7.46	≤23.98	PASS
		5240	6.96	97.20	0.12	7.08	≤23.98	PASS
11N20SISO	Ant1	5180	6.86	97.01	0.13	6.99	≤23.98	PASS
		5200	6.59	97.74	0.10	6.69	≤23.98	PASS
		5240	6.60	97.01	0.13	6.73	≤23.98	PASS
11N40SISO	Ant1	5190	6.17	94.12	0.26	6.43	≤23.98	PASS
		5230	6.56	95.59	0.20	6.76	≤23.98	PASS
11AC20SISO	Ant1	5180	6.31	97.04	0.13	6.44	≤23.98	PASS
		5200	6.63	97.78	0.10	6.73	≤23.98	PASS
		5240	6.67	97.04	0.13	6.80	≤23.98	PASS
11AC40SISO	Ant1	5190	6.93	94.20	0.26	7.19	≤23.98	PASS
		5230	6.58	94.20	0.26	6.84	≤23.98	PASS
11AC80SISO	Ant1	5210	6.23	91.67	0.38	6.61	≤23.98	PASS

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

## Appendix D.5: Maximum power spectral density

### Test Result

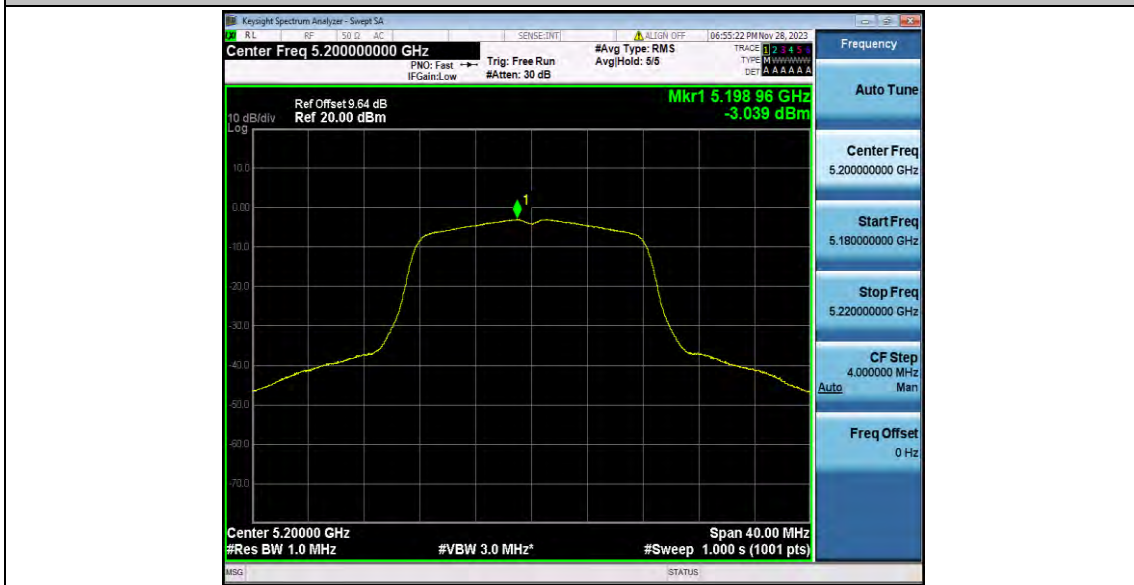
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-4.72	≤11.00	PASS
		5200	-3.04	≤11.00	PASS
		5240	-3.39	≤11.00	PASS
11N20SISO	Ant1	5180	-3.58	≤11.00	PASS
		5200	-3.97	≤11.00	PASS
		5240	-3.86	≤11.00	PASS
11N40SISO	Ant1	5190	-6.94	≤11.00	PASS
		5230	-6.58	≤11.00	PASS
11AC20SISO	Ant1	5180	-4.21	≤11.00	PASS
		5200	-3.93	≤11.00	PASS
		5240	-3.82	≤11.00	PASS
11AC40SISO	Ant1	5190	-6.24	≤11.00	PASS
		5230	-6.52	≤11.00	PASS
11AC80SISO	Ant1	5210	-10.43	≤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





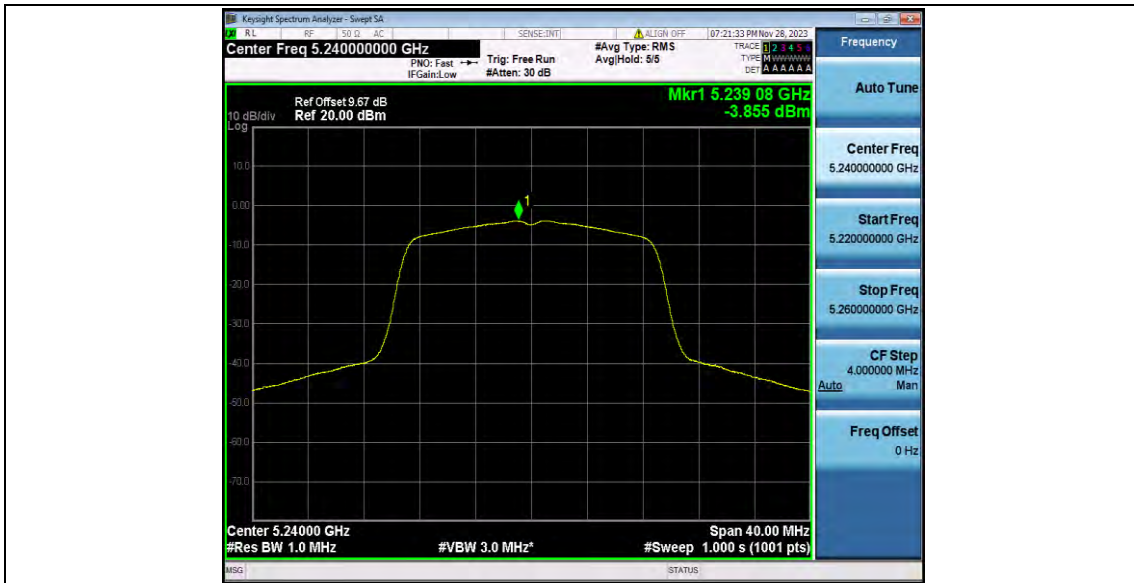
11A\_Ant1\_5240



11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200



11N20SISO\_Ant1\_5240



11N40SISO\_Ant1\_5190



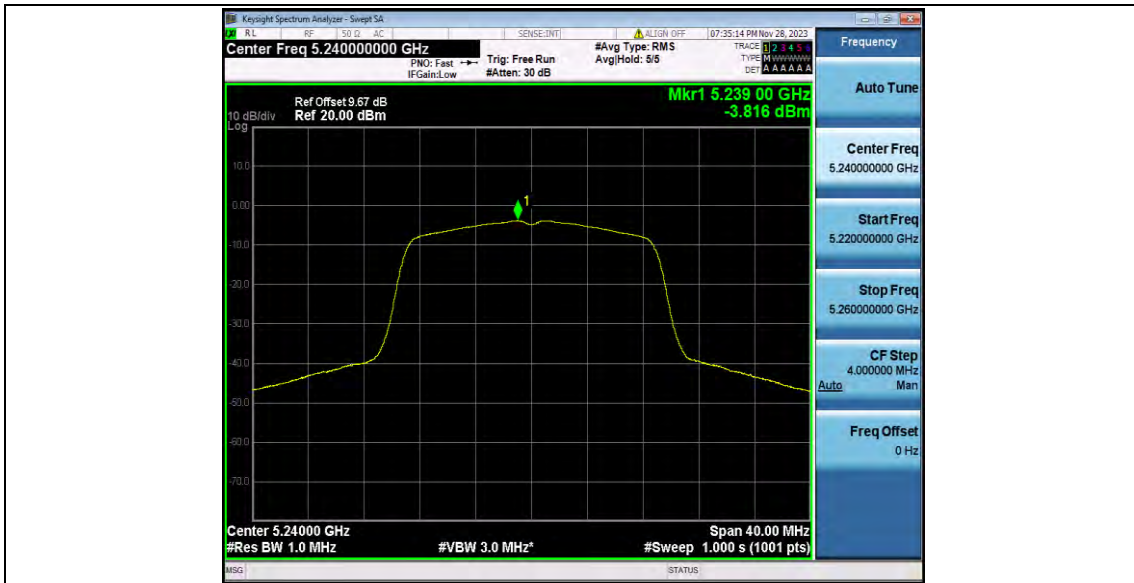
11N40SISO\_Ant1\_5230



11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



11AC20SISO\_Ant1\_5240



11AC40SISO\_Ant1\_5190



