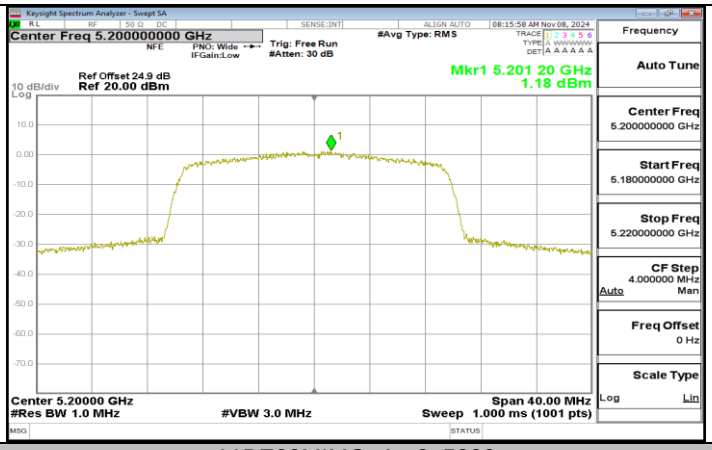
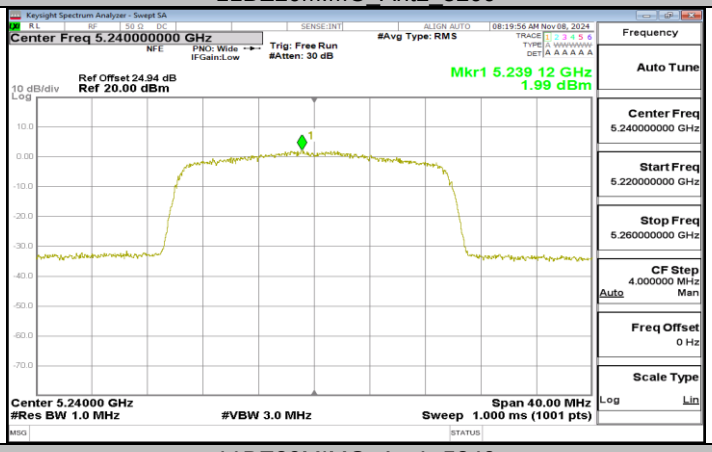
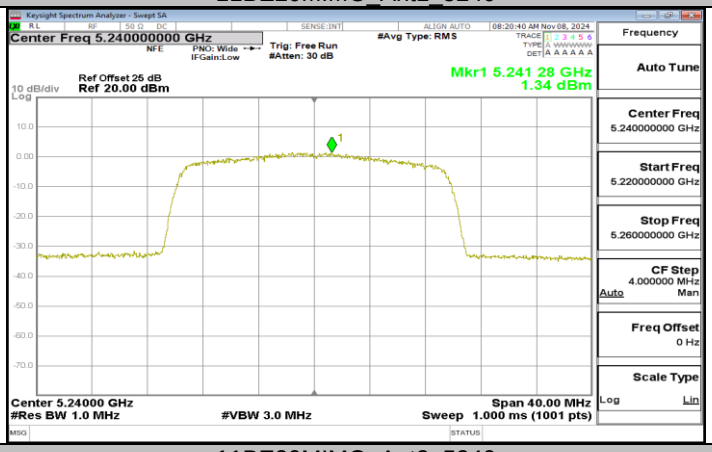


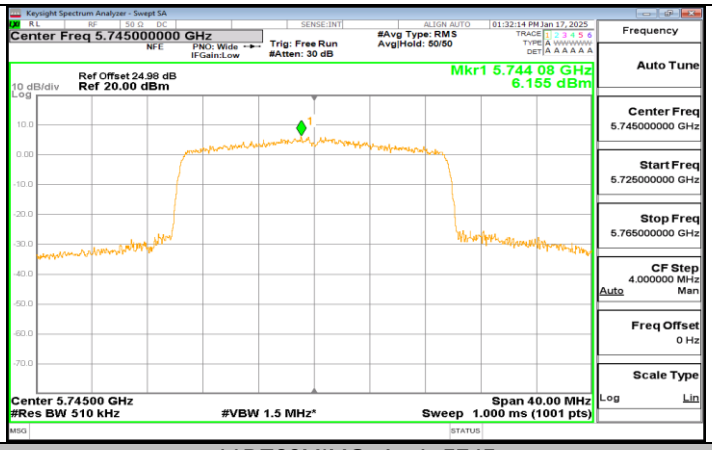
11BE20MIMO_Ant2_5200



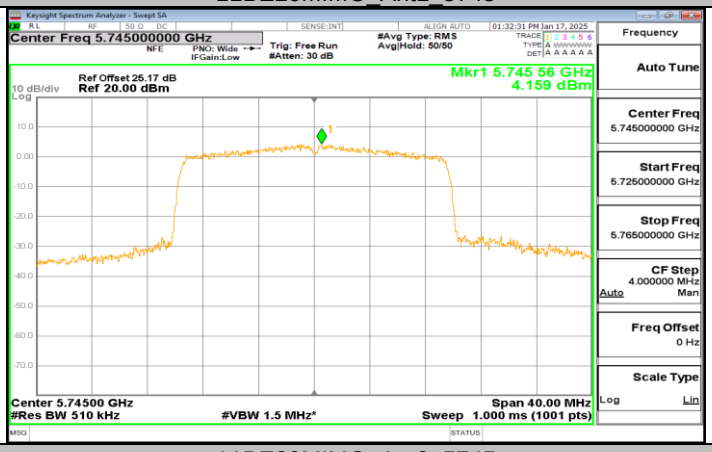
11BE20MIMO_Ant1_5240



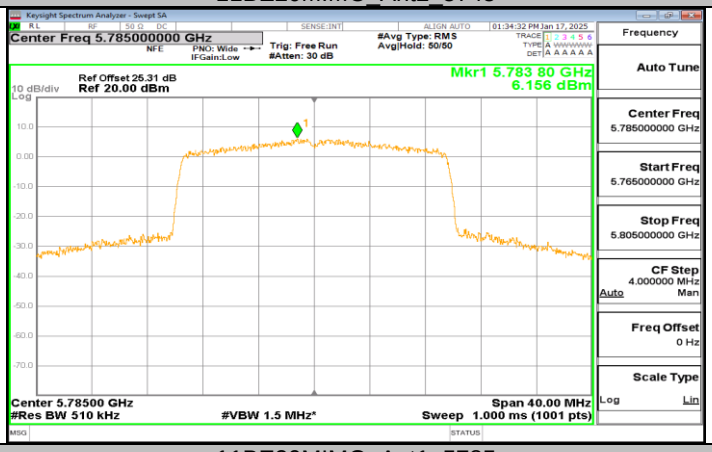
11BE20MIMO_Ant2_5240



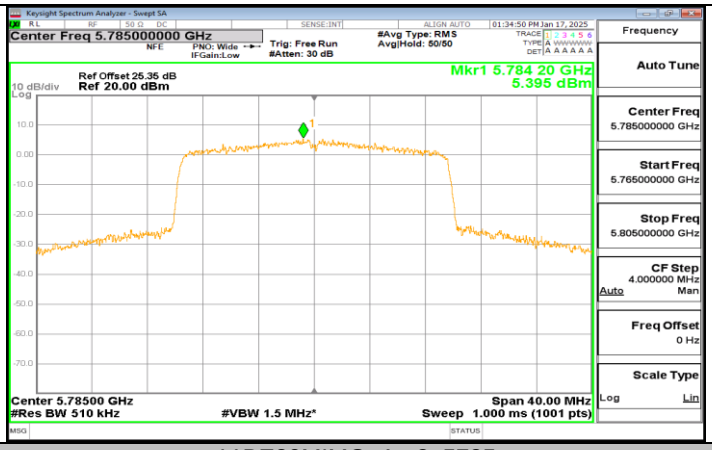
11BE20MIMO_Ant1_5745



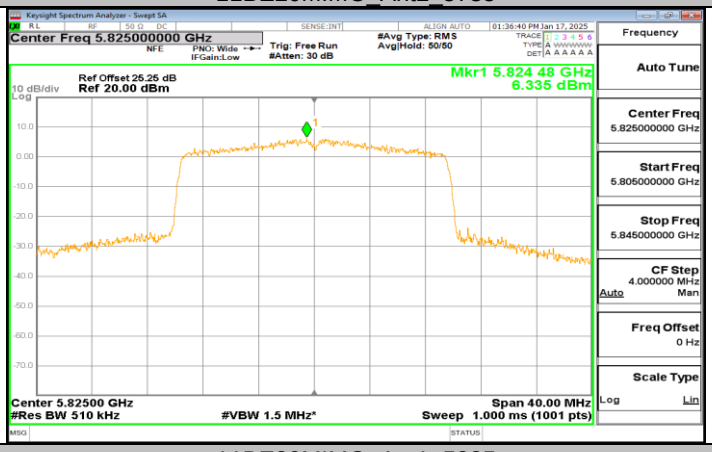
11BE20MIMO_Ant2_5745



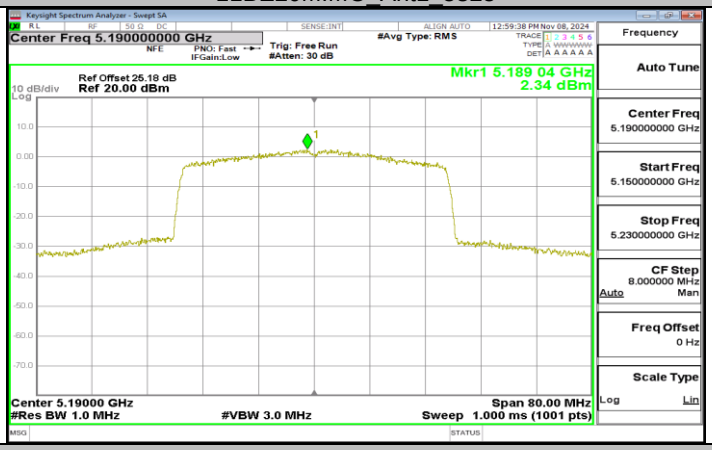
11BE20MIMO_Ant1_5785



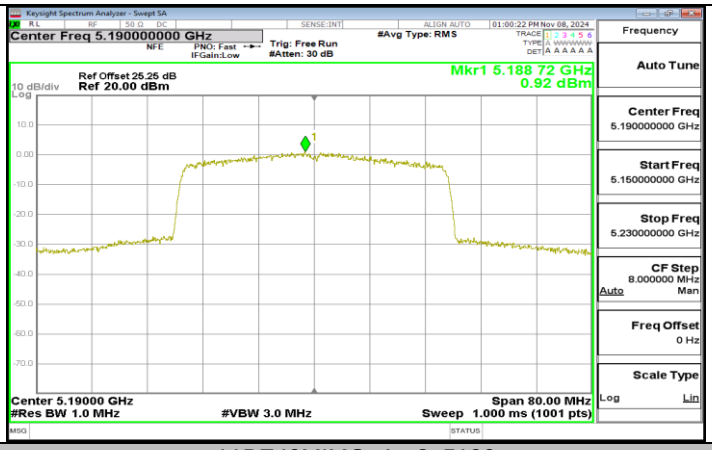
11BE20MIMO_Ant2_5785



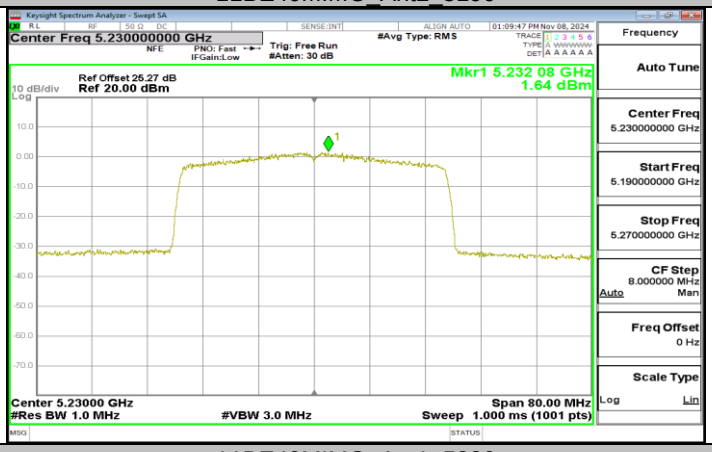
11BE20MIMO_Ant1_5825



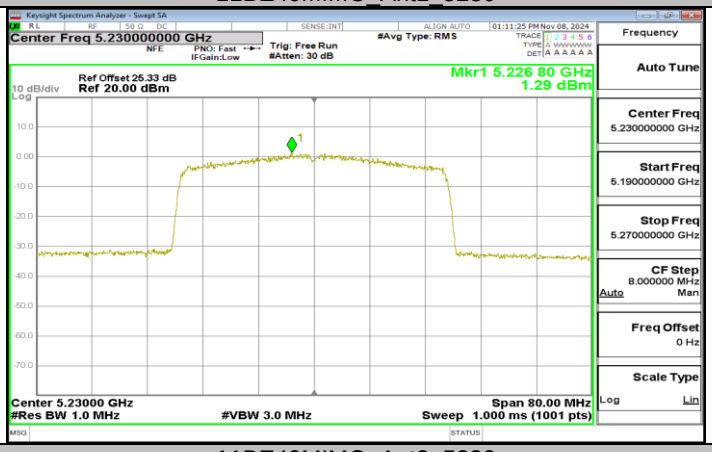
11BE40MIMO_Ant1_5190



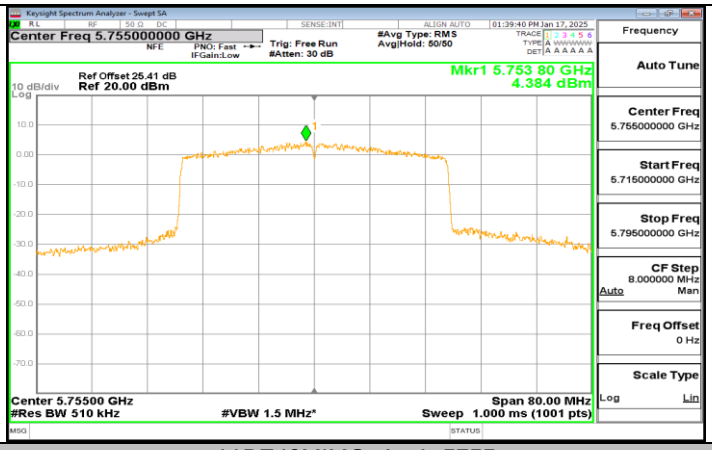
11BE40MIMO_Ant2_5190



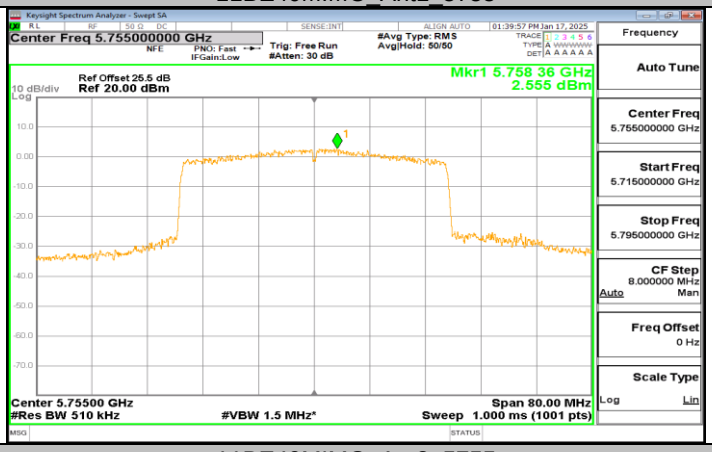
11BE40MIMO_Ant1_5230



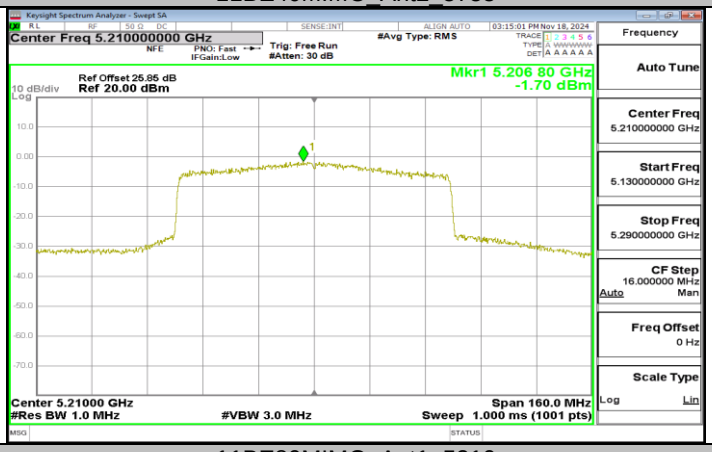
11BE40MIMO_Ant2_5230



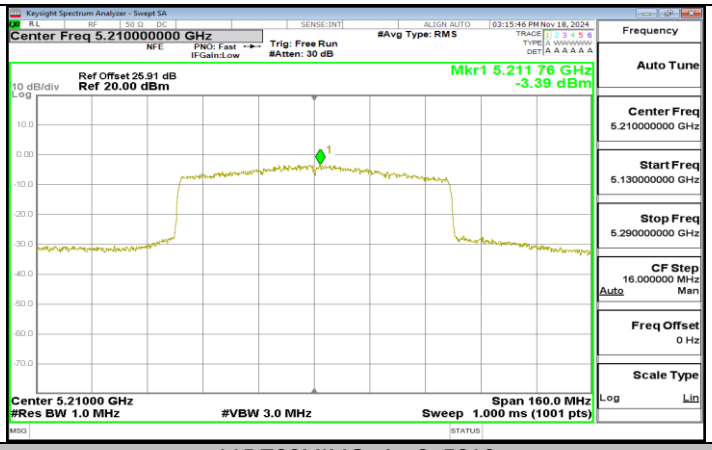
11BE40MIMO_Ant1_5755



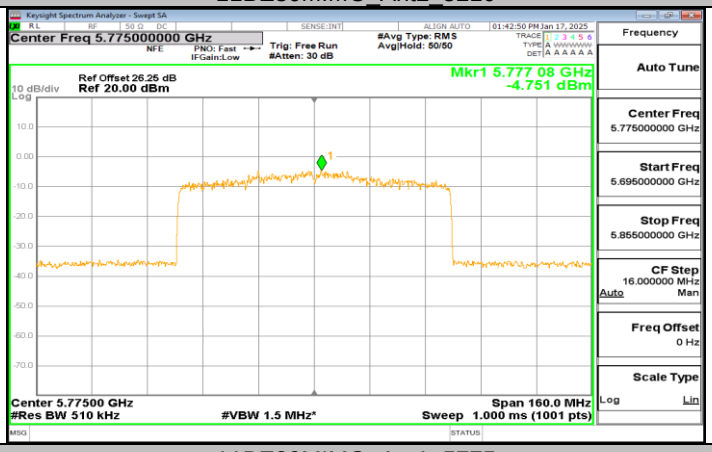
11BE40MIMO_Ant2_5755



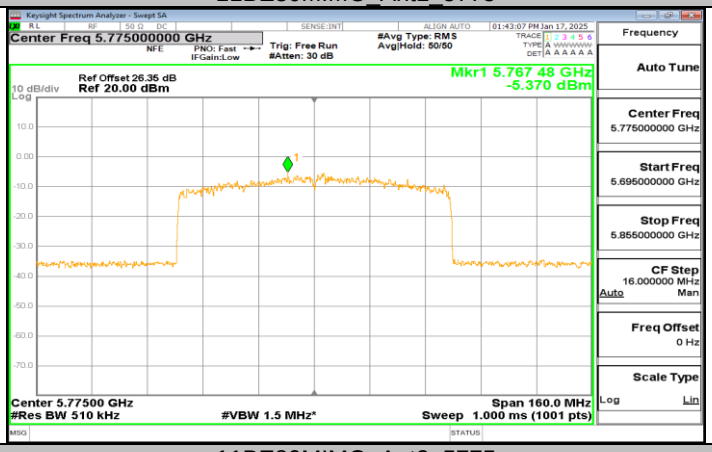
11BE80MIMO_Ant1_5210



11BE80MIMO_Ant2_5210



11BE80MIMO_Ant1_5775



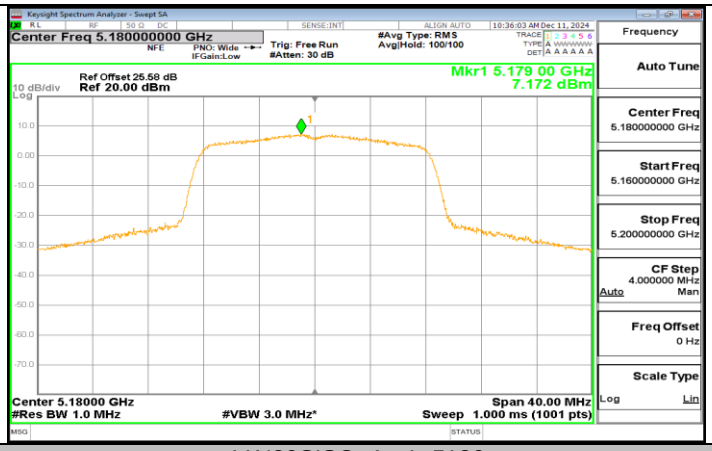
11BE80MIMO_Ant2_5775

11.5.3. Test Result-Addition SISO

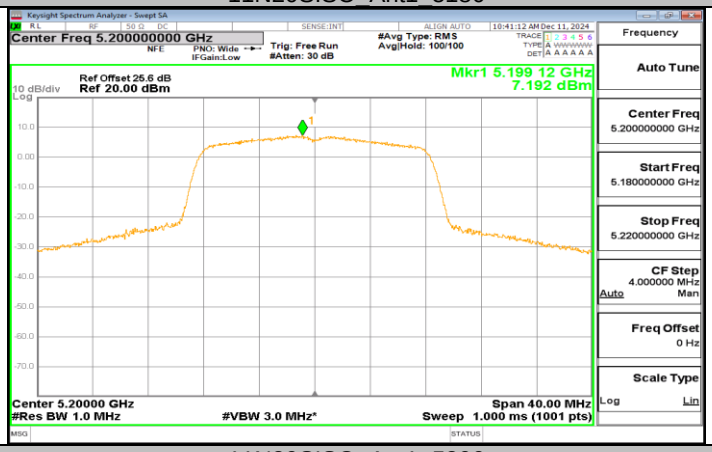
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11N20SISO	Ant1	5180	7.17	≤17.00	8.15	≤10.00	PASS
		5200	7.19	≤17.00	8.17	≤10.00	PASS
		5240	6.96	≤17.00	7.94	≤10.00	PASS
11N40SISO	Ant1	5190	3.93	≤17.00	4.91	≤10.00	PASS
11AX20SISO	Ant1	5180	7.23	≤17.00	8.21	≤10.00	PASS
		5200	6.93	≤17.00	7.91	≤10.00	PASS
		5240	6.27	≤17.00	7.25	≤10.00	PASS
11AX40SISO	Ant1	5190	3.62	≤17.00	4.6	≤10.00	PASS
		5230	3.10	≤11.00	4.08	---	PASS
11BE20SISO	Ant1	5180	7.21	≤17.00	8.19	≤10.00	PASS
		5200	6.95	≤17.00	7.93	≤10.00	PASS
		5240	6.30	≤17.00	7.28	≤10.00	PASS
11BE40SISO	Ant1	5190	3.68	≤17.00	4.66	≤10.00	PASS
		5230	2.79	≤11.00	3.77	---	PASS
11BE80SISO	Ant1	5775	-2.06	≤30.00	-2.02	---	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.

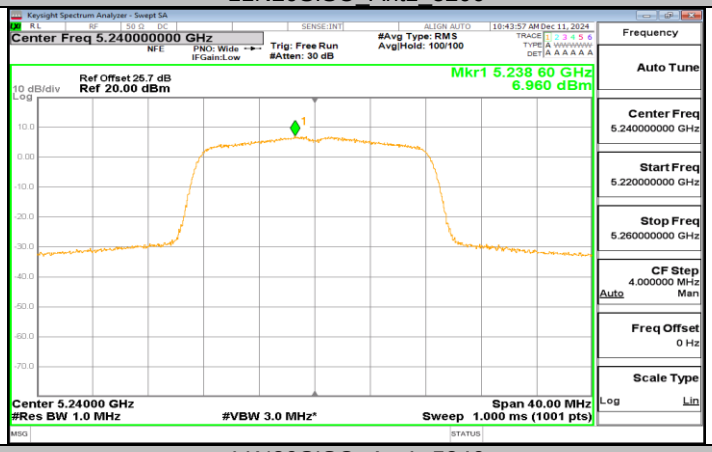
11.5.4. Test Graphs-Addition SISO



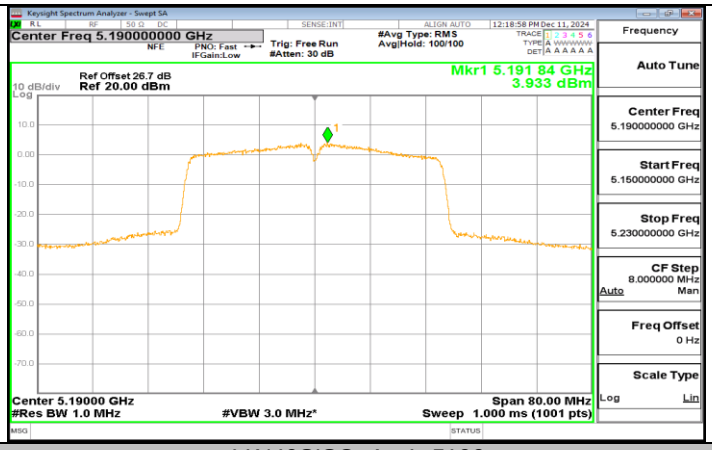
11N20SISO_Ant1_5180



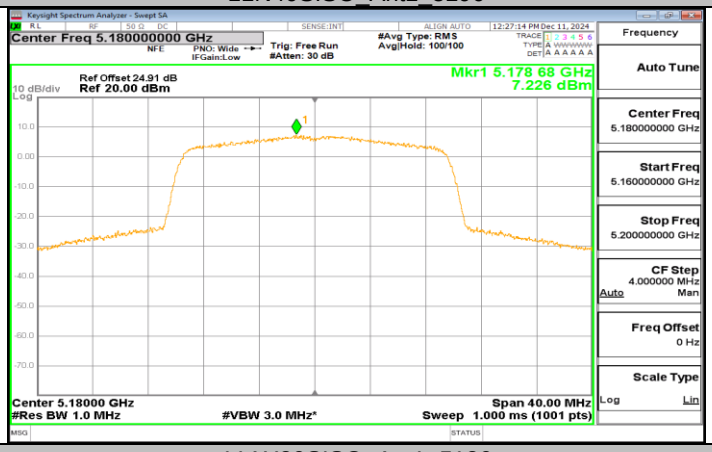
11N20SISO_Ant1_5200



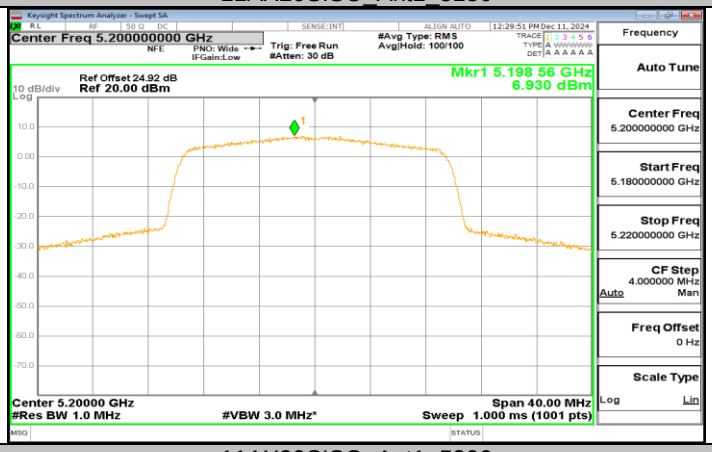
11N20SISO_Ant1_5240



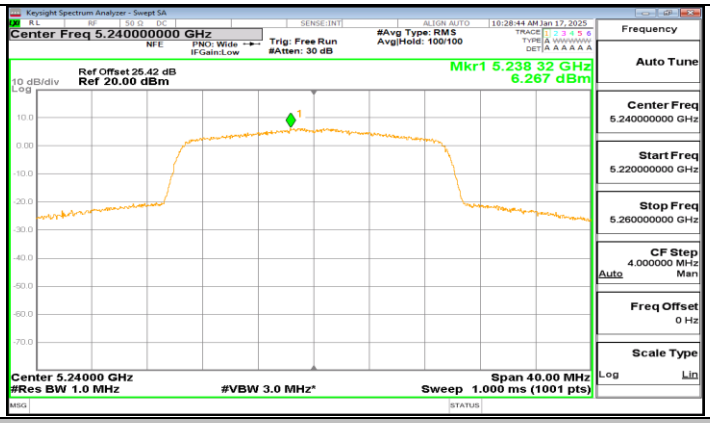
11N40SISO_Ant1_5190



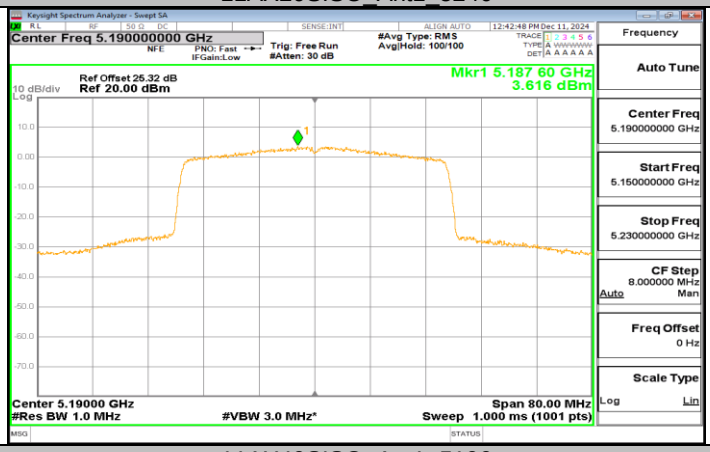
11AX20SISO_Ant1_5180



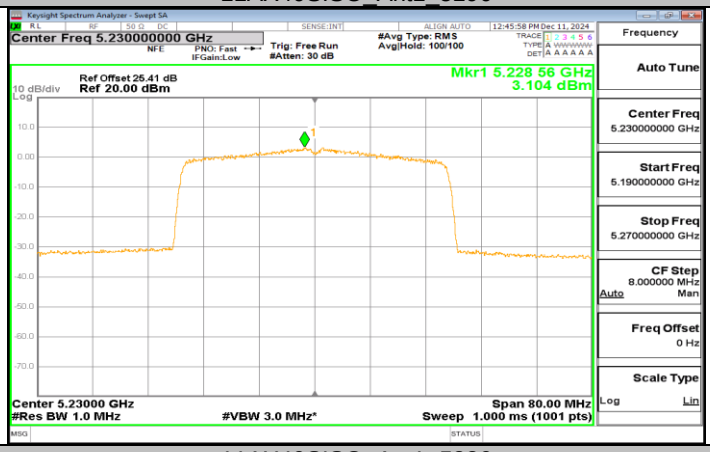
11AX20SISO_Ant1_5200



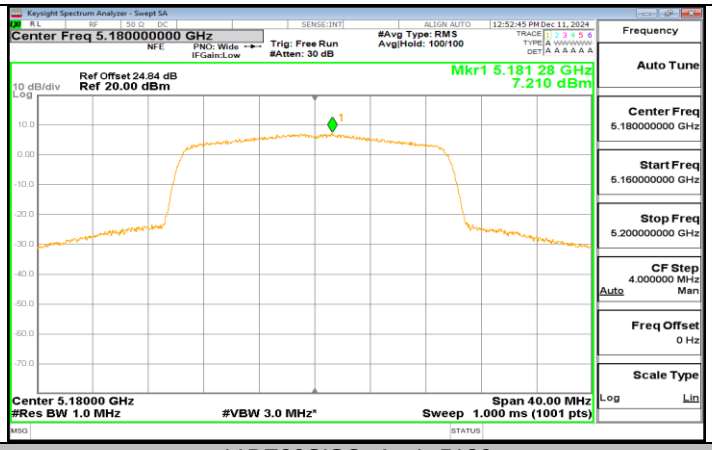
11AX20SISO_Ant1_5240



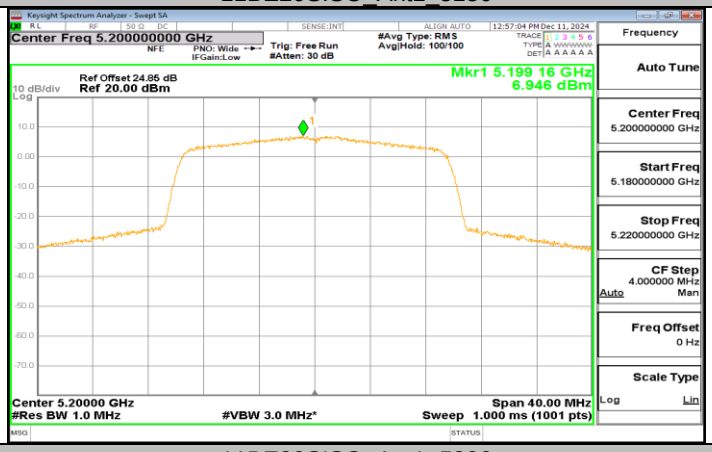
11AX40SISO_Ant1_5190



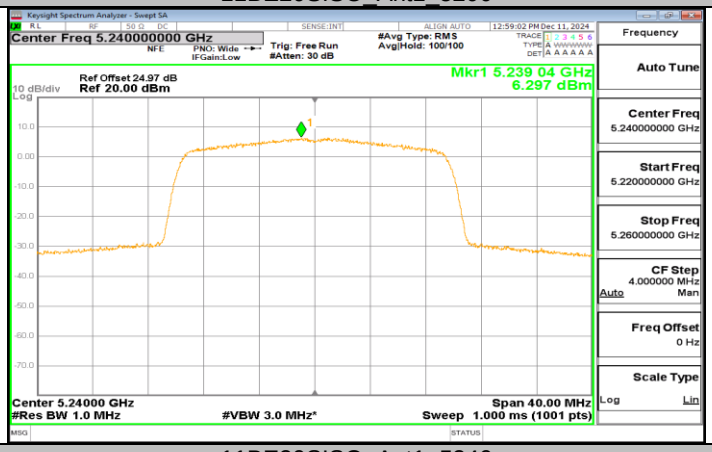
11AX40SISO_Ant1_5230



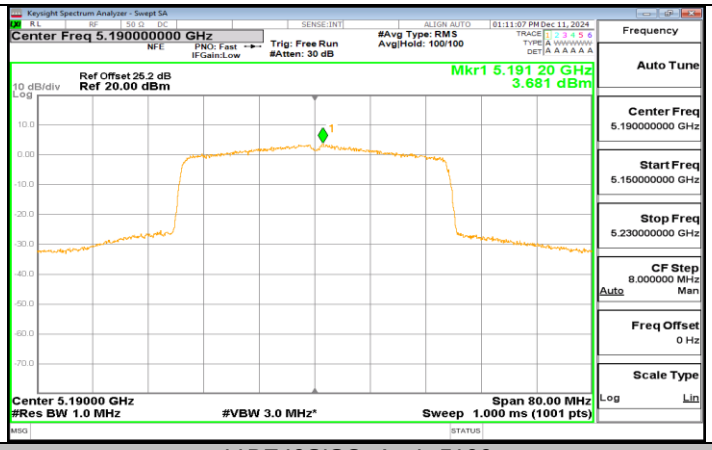
11BE20SISO_Ant1_5180



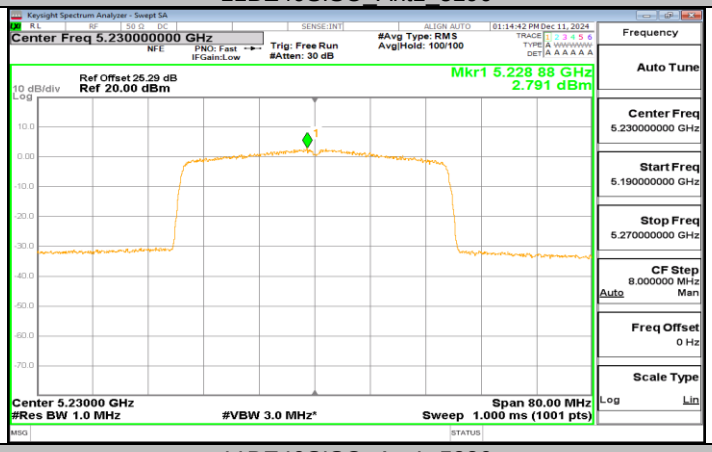
11BE20SISO_Ant1_5200



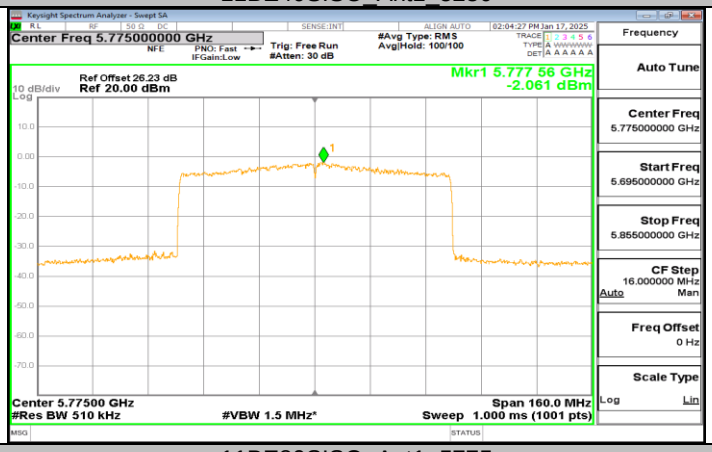
11BE20SISO_Ant1_5240



11BE40SISO_Ant1_5190



11BE40SISO_Ant1_5230



11BE80SISO_Ant1_5775

11.6. APPENDIX F: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5200.0060	1.15	5199.9894	-2.04	5200.0161	3.09	5200.0025	0.48
TN	VN	5200.0009	0.16	5200.0028	0.55	5199.9818	-3.50	5200.0142	2.73
TN	VH	5199.9874	-2.43	5199.9978	-0.43	5199.9871	-2.47	5200.0080	1.54
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
50	VN	5200.0071	1.36	5200.0061	1.17	5200.0204	3.93	5200.0139	2.68
40	VN	5200.0236	4.54	5200.0217	4.18	5199.9953	-0.91	5199.9814	-3.59
30	VN	5200.0248	4.77	5200.0243	4.67	5199.9879	-2.33	5199.9856	-2.76
20	VN	5199.9855	-2.78	5199.9970	-0.57	5200.0222	4.27	5200.0116	2.22
10	VN	5199.9846	-2.96	5199.9891	-2.10	5199.9938	-1.19	5199.9831	-3.25
0	VN	5200.0242	4.65	5200.0160	3.08	5200.0205	3.94	5199.9890	-2.12
-10	VN	5199.9757	-4.68	5200.0019	0.37	5200.0179	3.44	5199.9930	-1.34

Note:
1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

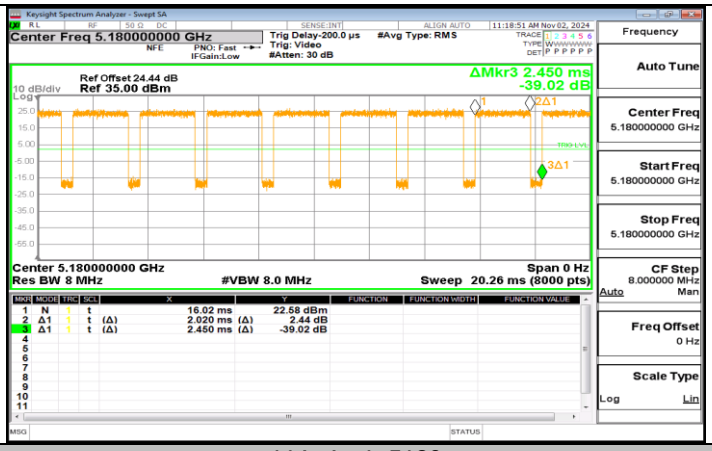
11.7. APPENDIX G: DUTY CYCLE

11.7.1. Test Result

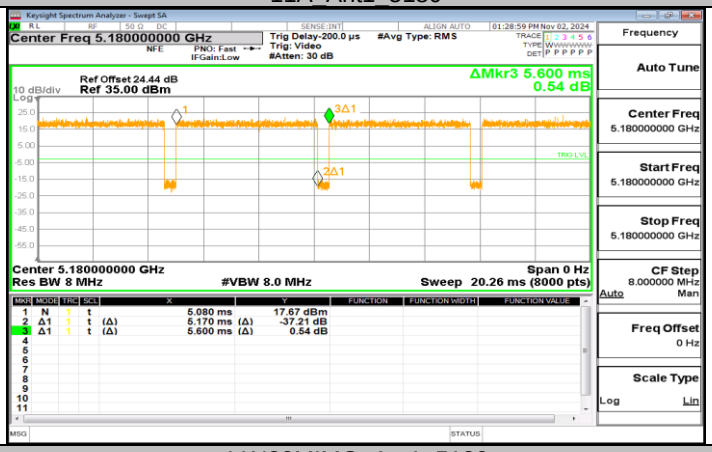
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	2.02	2.45	0.8245	82.45	0.84	0.50	1
11N20MIMO	5.17	5.60	0.9232	92.32	0.35	0.19	1
11N40MIMO	2.51	2.94	0.8537	85.37	0.69	0.40	1
11AC80MIMO	1.19	1.62	0.7346	73.46	1.34	0.84	1
11AX20MIMO	3.95	4.38	0.9018	90.18	0.45	0.25	1
11AX40MIMO	2.01	2.44	0.8238	82.38	0.84	0.50	1
11AX80MIMO	1.00	1.43	0.6993	69.93	1.55	1.00	1
11BE20MIMO	4.65	5.08	0.9154	91.54	0.38	0.22	1
11BE40MIMO	2.36	2.79	0.8459	84.59	0.73	0.42	1
11BE80MIMO	1.16	1.60	0.7250	72.50	1.40	0.86	1

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

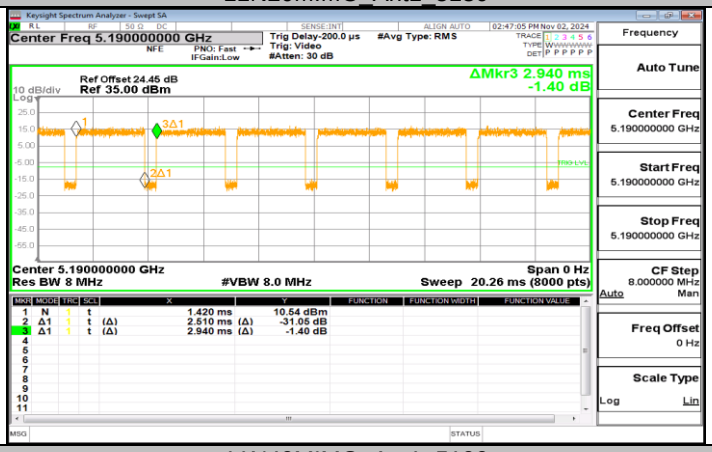
11.7.2. Test Graphs



11A_Ant1_5180

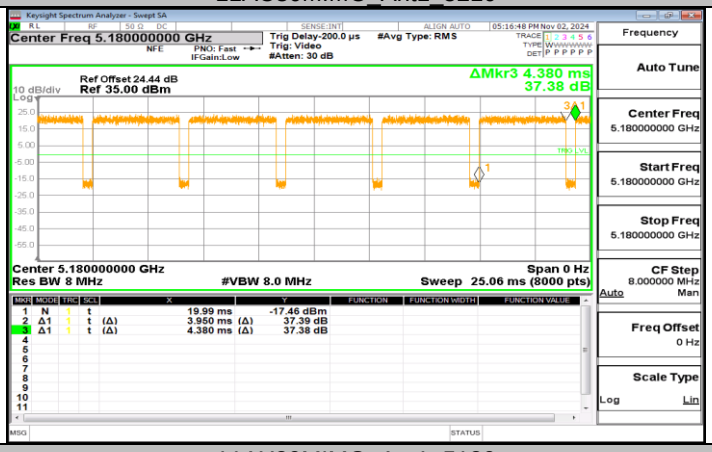


11N20MIMO_Ant1_5180

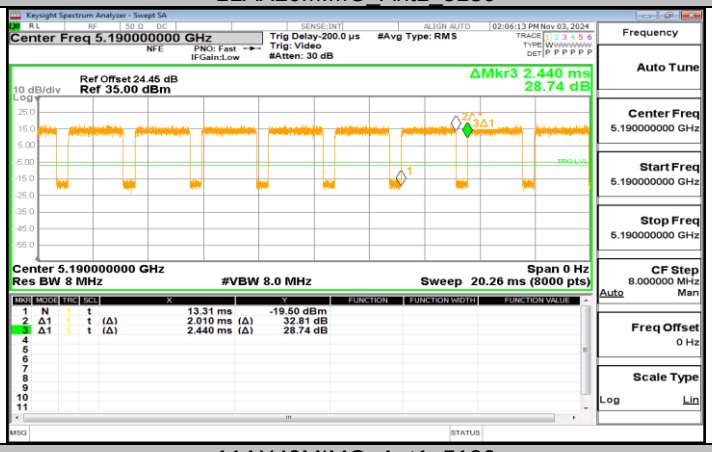


11N40MIMO_Ant1_5190

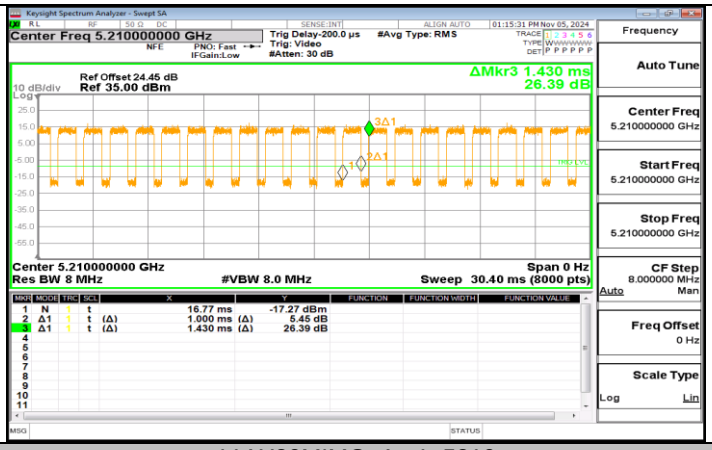
11AC80MIMO_Ant1_5210



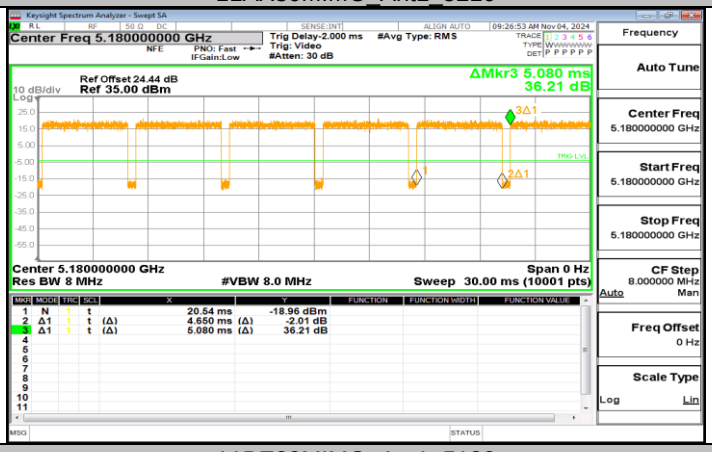
11AX20MIMO_Ant1_5180



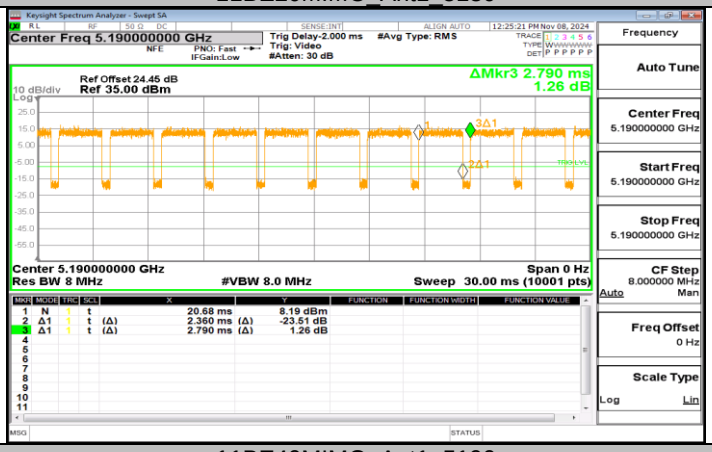
11AX40MIMO_Ant1_5190



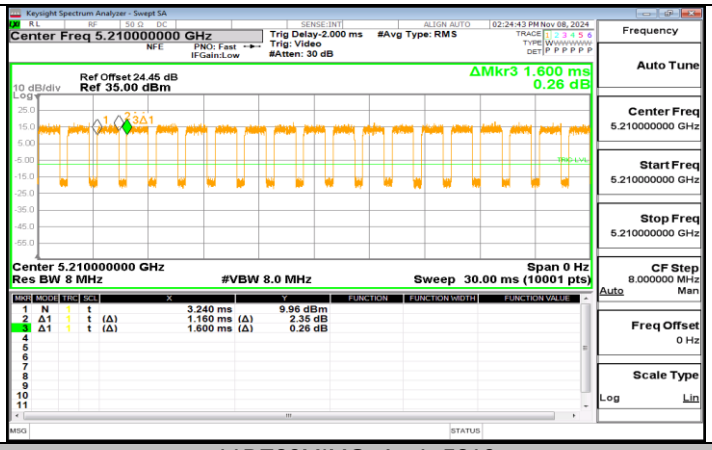
11AX80MIMO_Ant1_5210



11BE20MIMO_Ant1_5180



11BE40MIMO_Ant1_5190



11BE80MIMO_Ant1_5210

END OF REPORT