



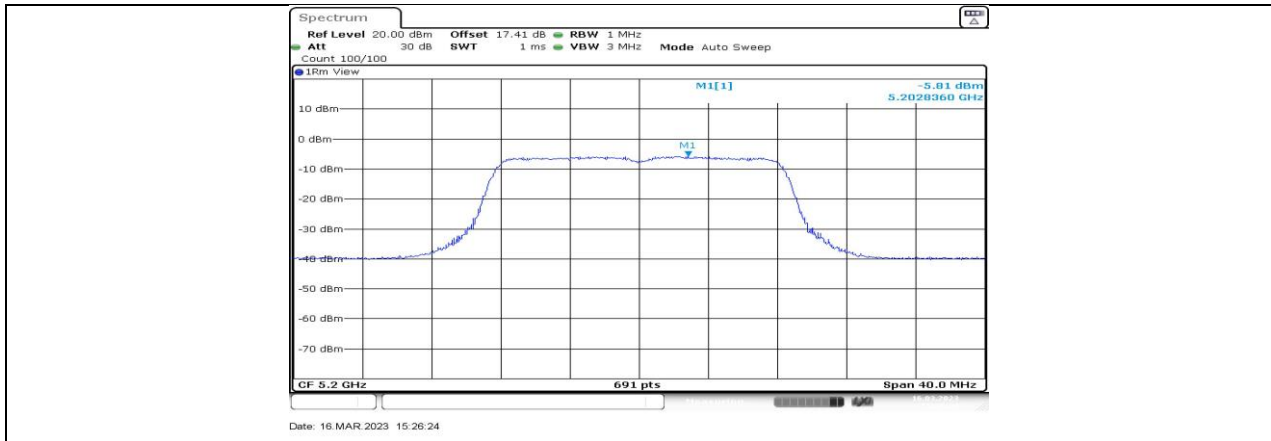
11A-CDD\_Ant4\_5180



11A-CDD\_Ant1\_5200



11A-CDD\_Ant2\_5200



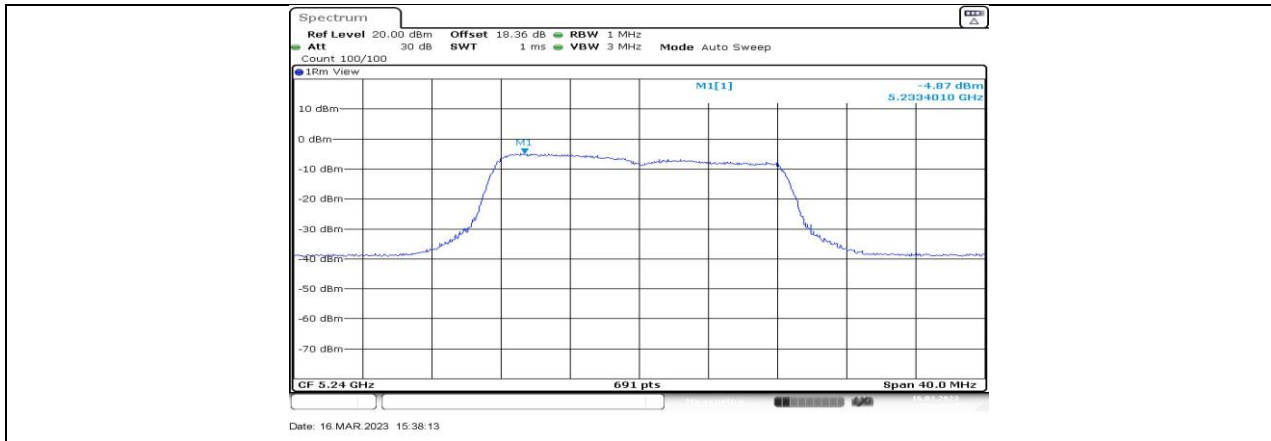
11A-CDD\_Ant3\_5200



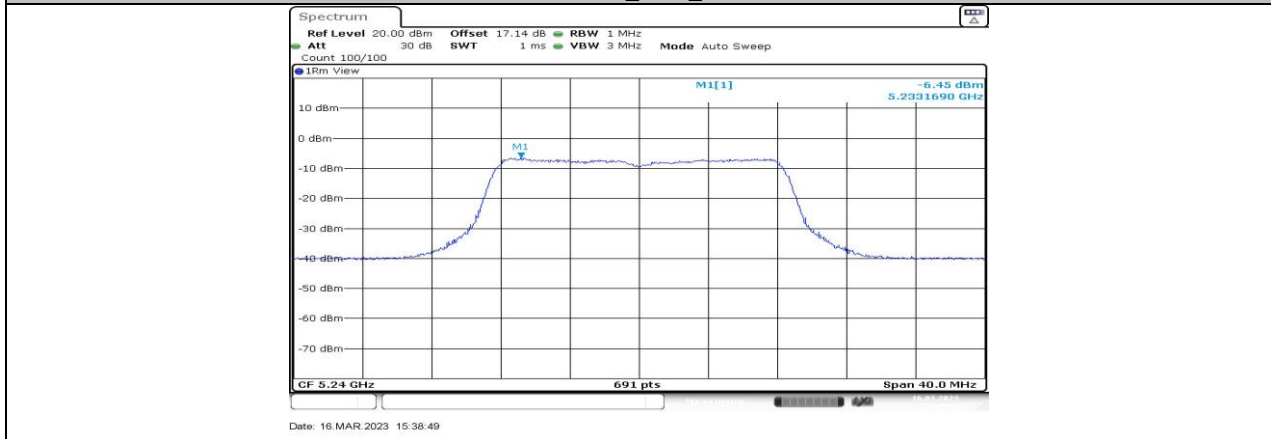
11A-CDD\_Ant4\_5200



11A-CDD\_Ant1\_5240



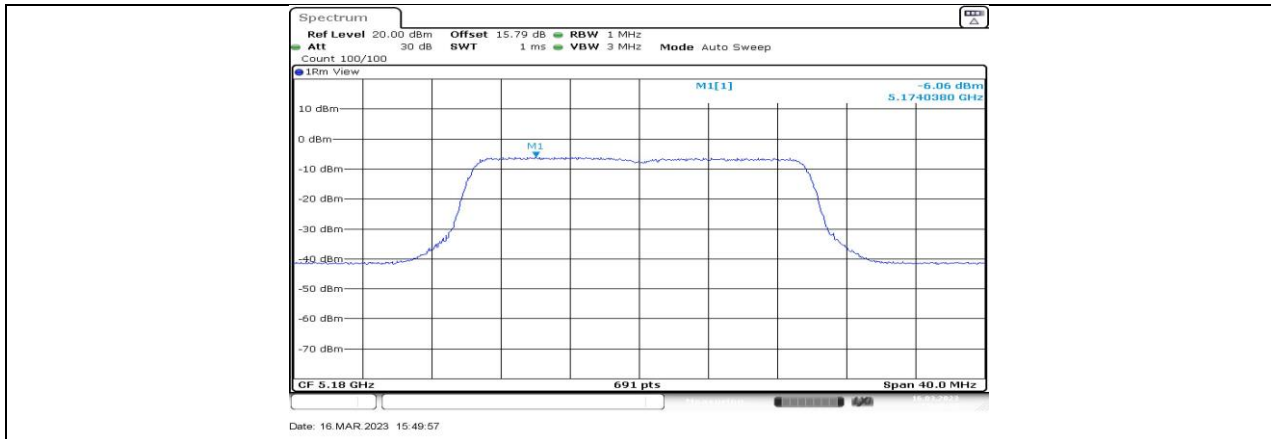
11A-CDD\_Ant2\_5240



11A-CDD\_Ant3\_5240



11A-CDD\_Ant4\_5240



11AX20MIMO\_Ant1\_5180



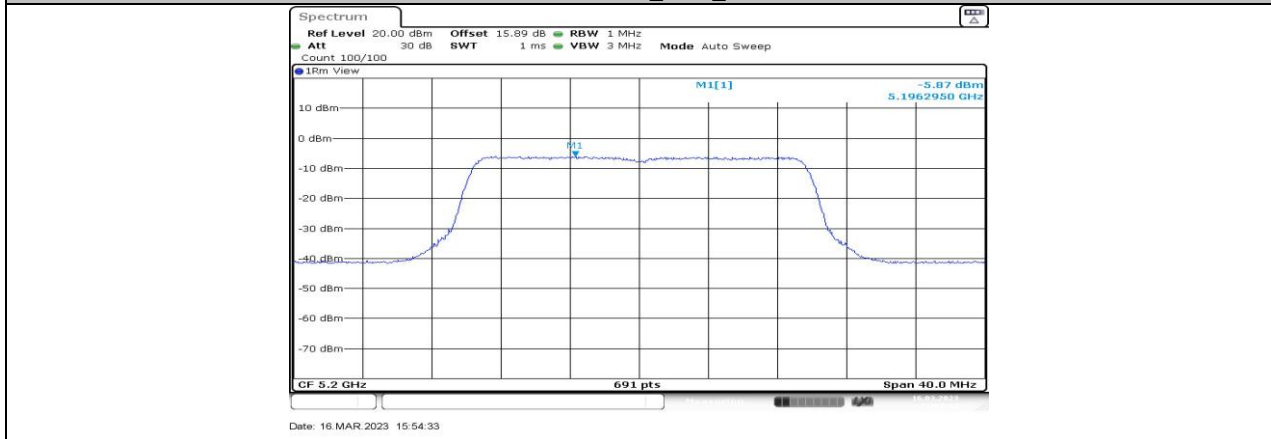
11AX20MIMO\_Ant2\_5180



11AX20MIMO\_Ant3\_5180



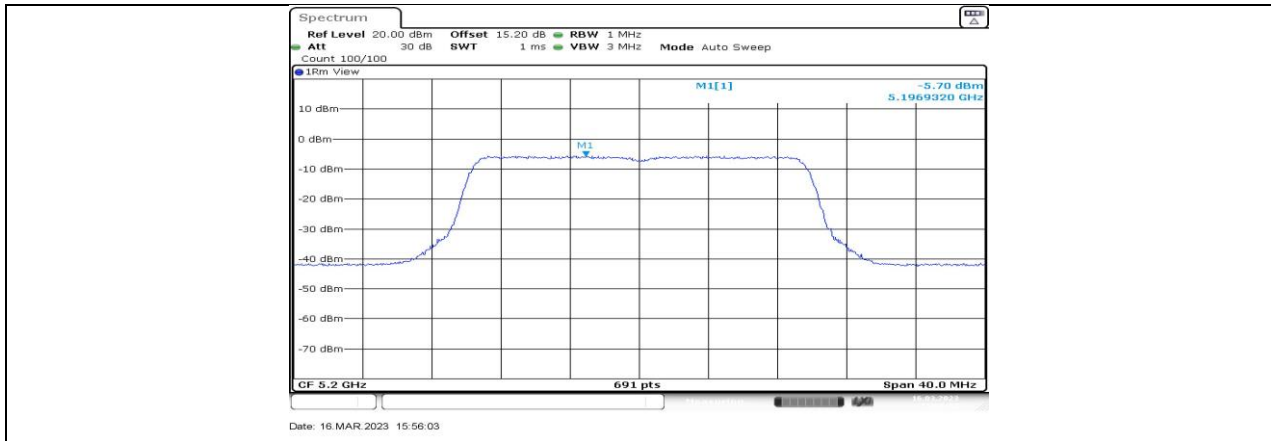
11AX20MIMO\_Ant4\_5180



11AX20MIMO\_Ant1\_5200



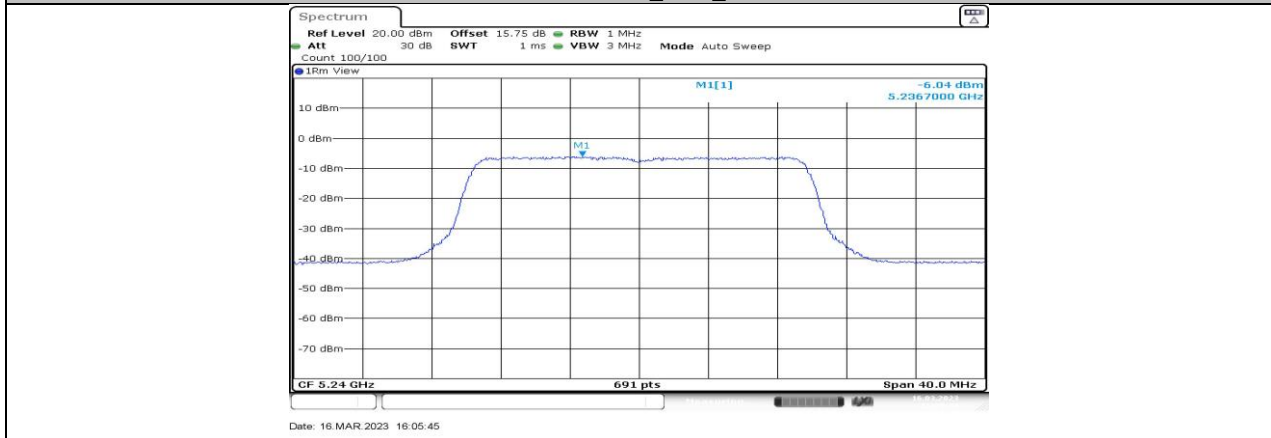
11AX20MIMO\_Ant2\_5200



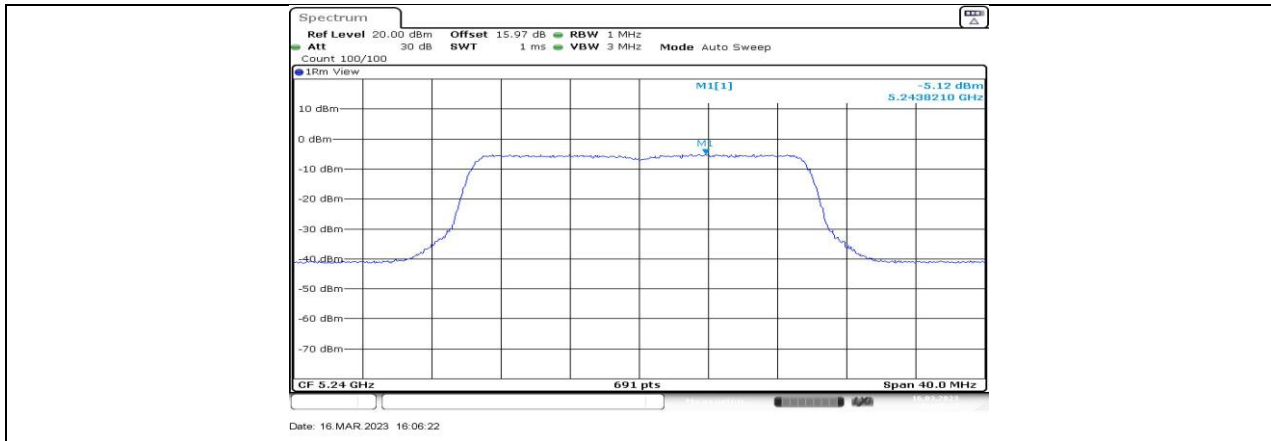
11AX20MIMO\_Ant3\_5200



11AX20MIMO\_Ant4\_5200



11AX20MIMO\_Ant1\_5240



11AX20MIMO\_Ant2\_5240



11AX20MIMO\_Ant3\_5240



11AX20MIMO\_Ant4\_5240



11AX40MIMO\_Ant1\_5190

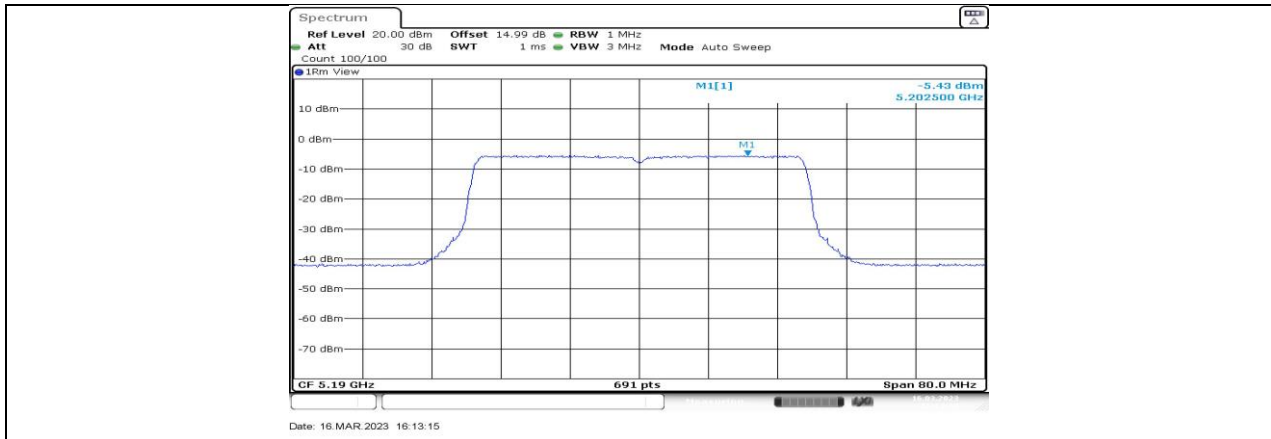


11AX40MIMO\_Ant2\_5190



11AX40MIMO\_Ant3\_5190

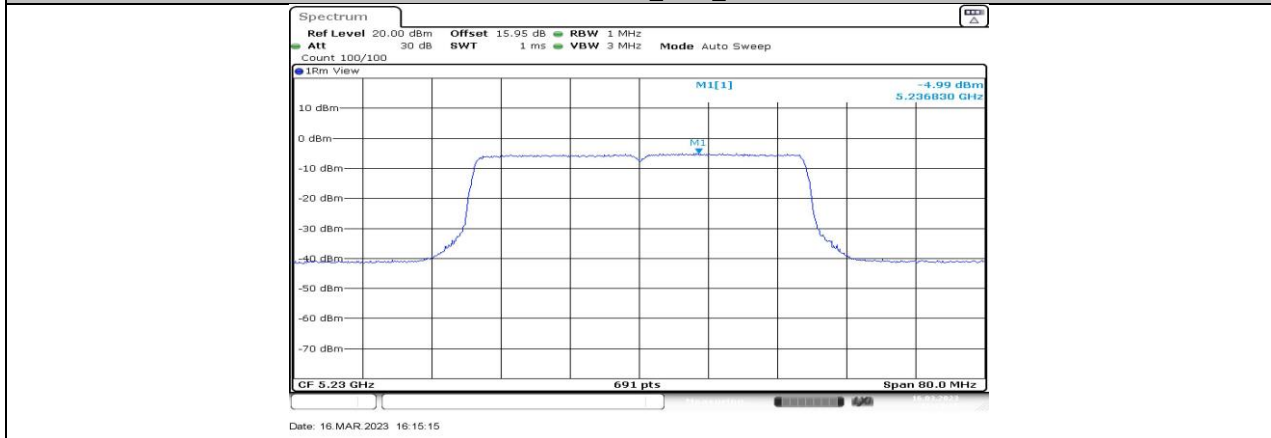




11AX40MIMO\_Ant4\_5190



11AX40MIMO\_Ant1\_5230



11AX40MIMO\_Ant2\_5230



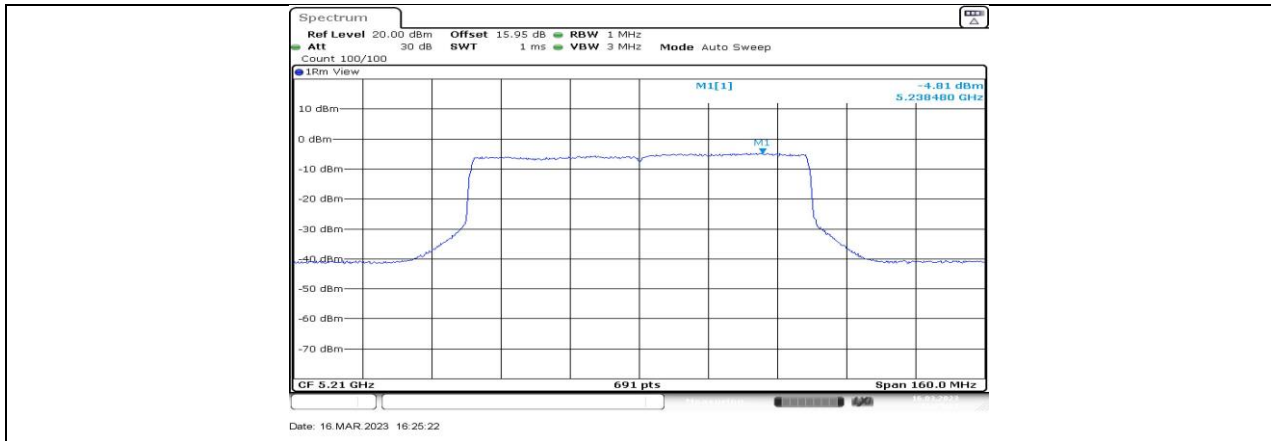
11AX40MIMO\_Ant3\_5230



11AX40MIMO\_Ant4\_5230



11AX80MIMO\_Ant1\_5210



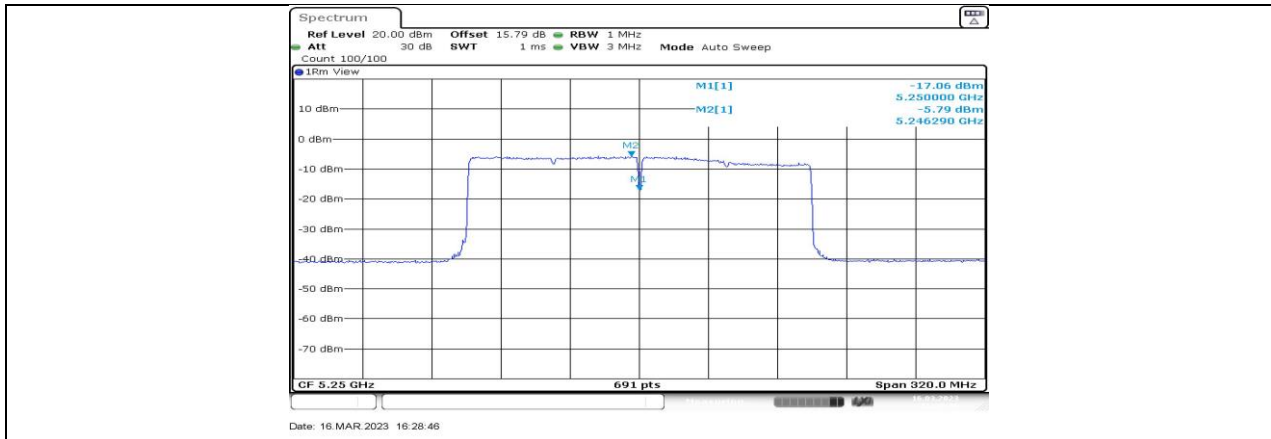
11AX80MIMO\_Ant2\_5210



11AX80MIMO\_Ant3\_5210



11AX80MIMO\_Ant4\_5210



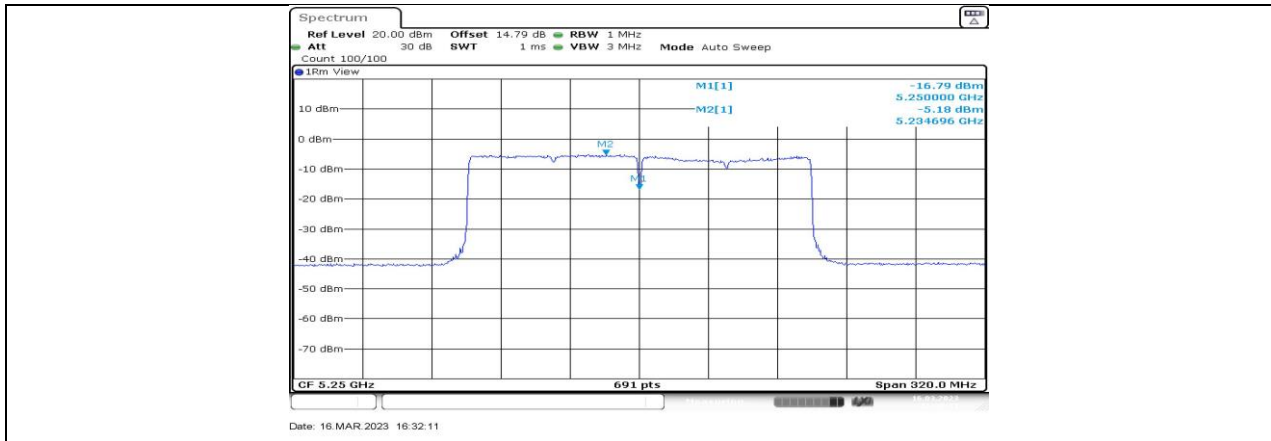
11AX160MIMO\_Ant1\_5250\_UNII-1



11AX160MIMO\_Ant2\_5250\_UNII-1



11AX160MIMO\_Ant3\_5250\_UNII-1





11BE20MIMO\_Ant3\_5180



11BE20MIMO\_Ant4\_5180



11BE20MIMO\_Ant1\_5200



11BE20MIMO\_Ant2\_5200



11BE20MIMO\_Ant3\_5200



11BE20MIMO\_Ant4\_5200



11BE20MIMO\_Ant1\_5240



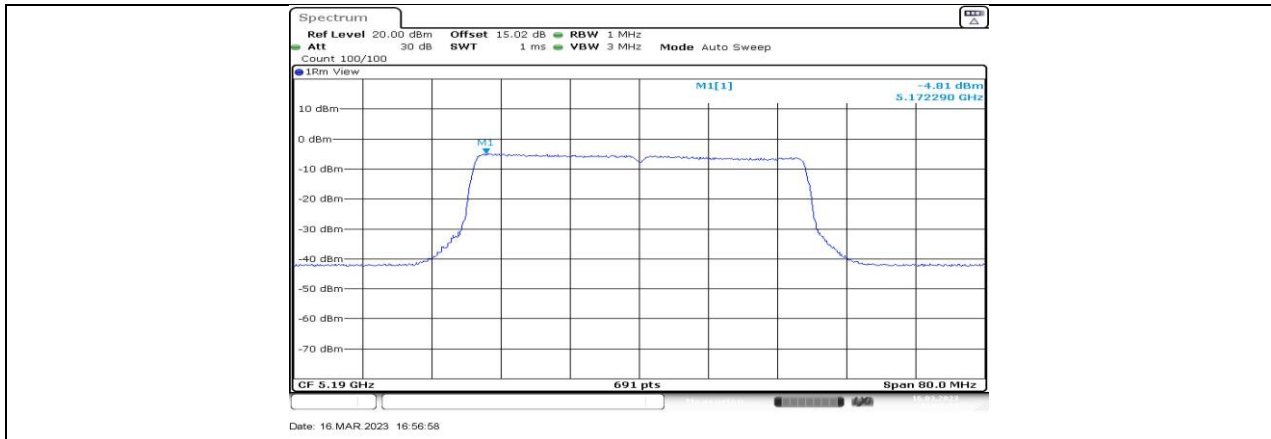
11BE20MIMO\_Ant2\_5240



11BE20MIMO\_Ant3\_5240







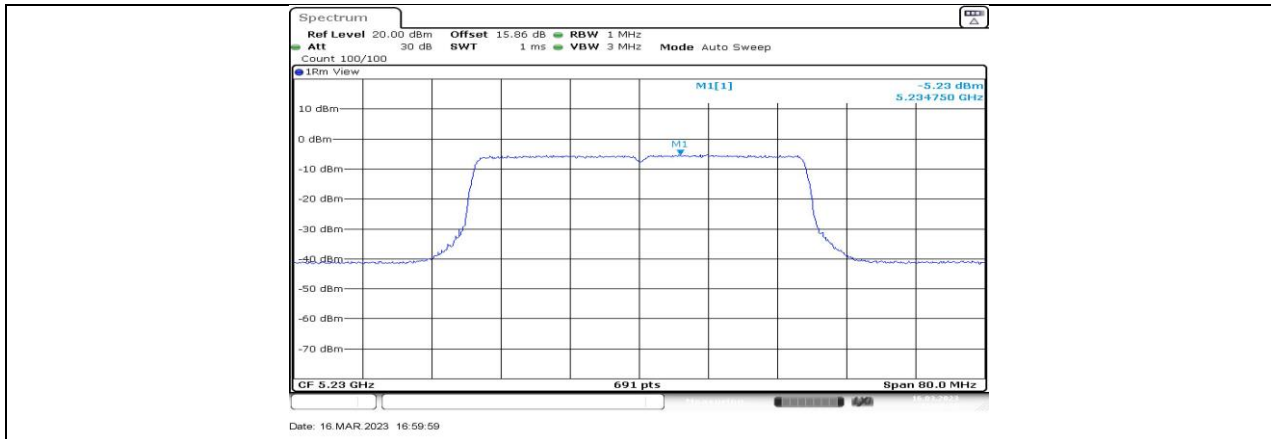
11BE40MIMO\_Ant3\_5190



11BE40MIMO\_Ant4\_5190



11BE40MIMO\_Ant1\_5230



11BE40MIMO\_Ant2\_5230



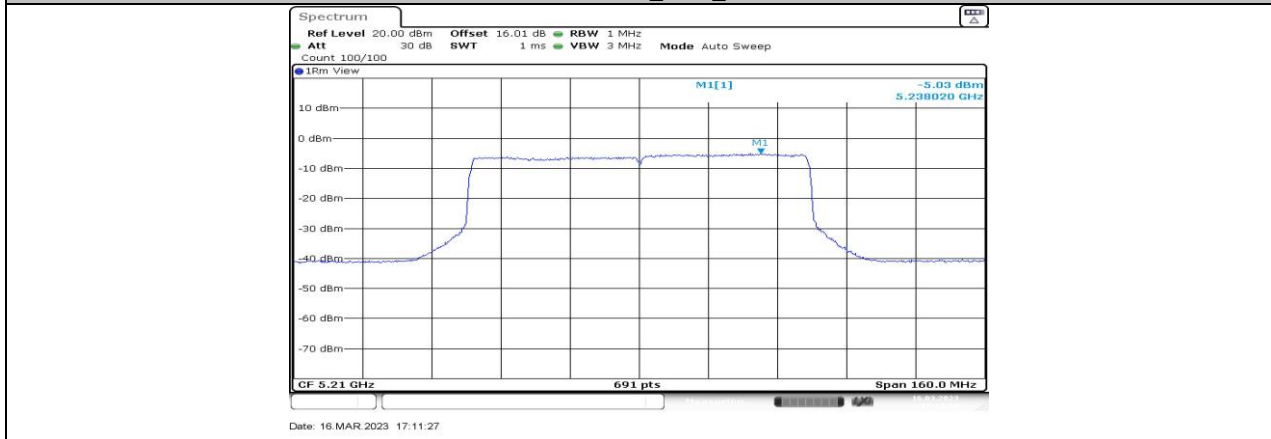
11BE40MIMO\_Ant3\_5230



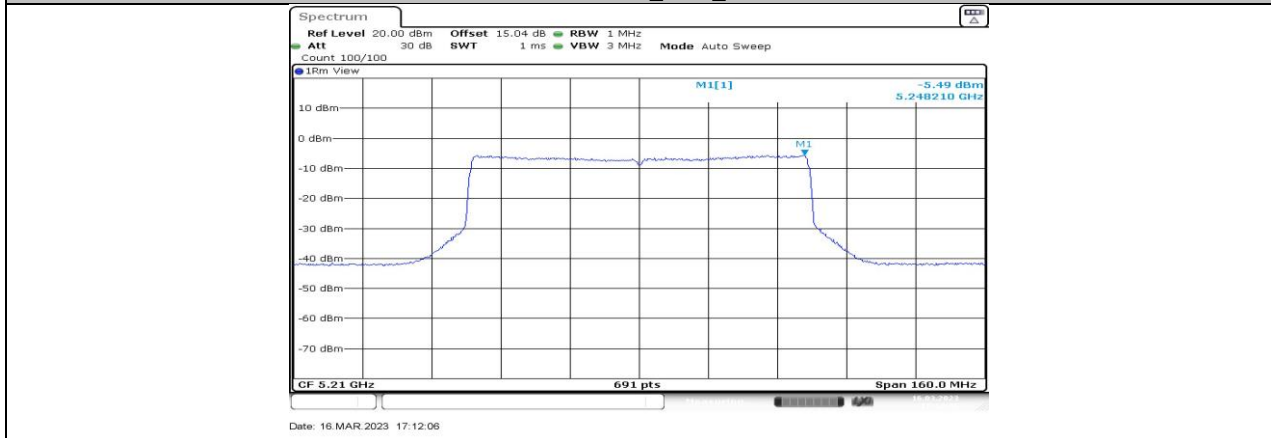
11BE40MIMO\_Ant4\_5230



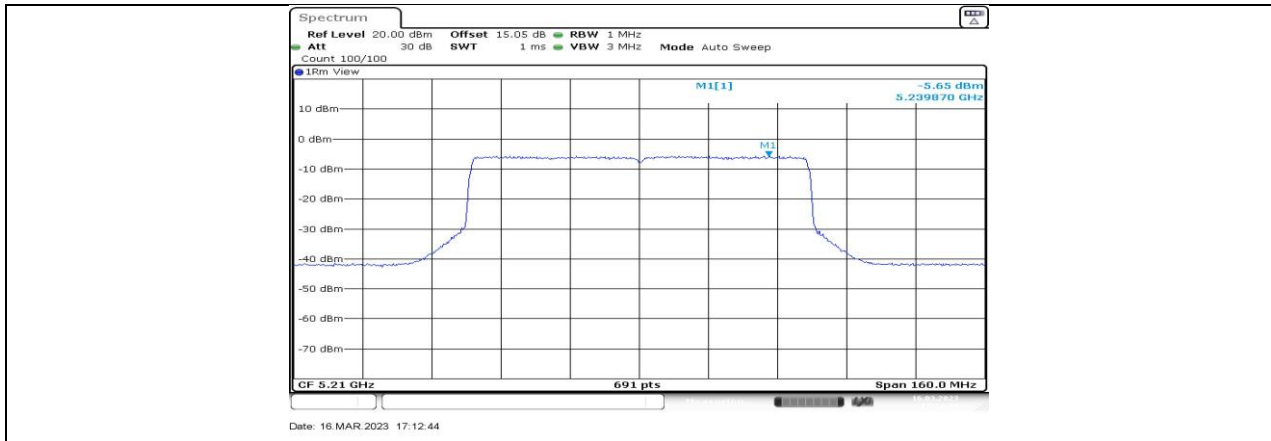
11BE80MIMO\_Ant1\_5210



11BE80MIMO\_Ant2\_5210



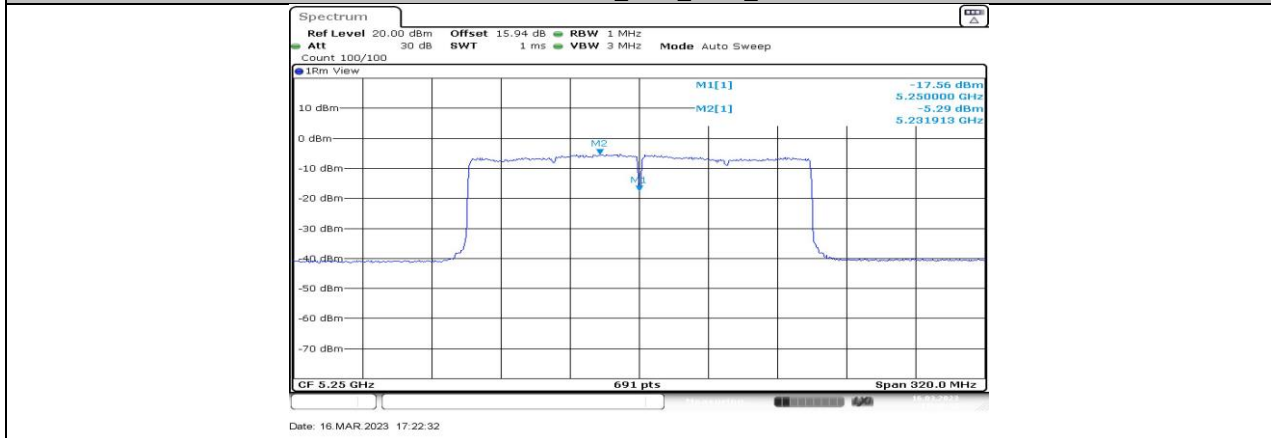
11BE80MIMO\_Ant3\_5210



11BE80MIMO\_Ant4\_5210



11BE160MIMO\_Ant1\_5250\_UNII-1



11BE160MIMO\_Ant2\_5250\_UNII-1



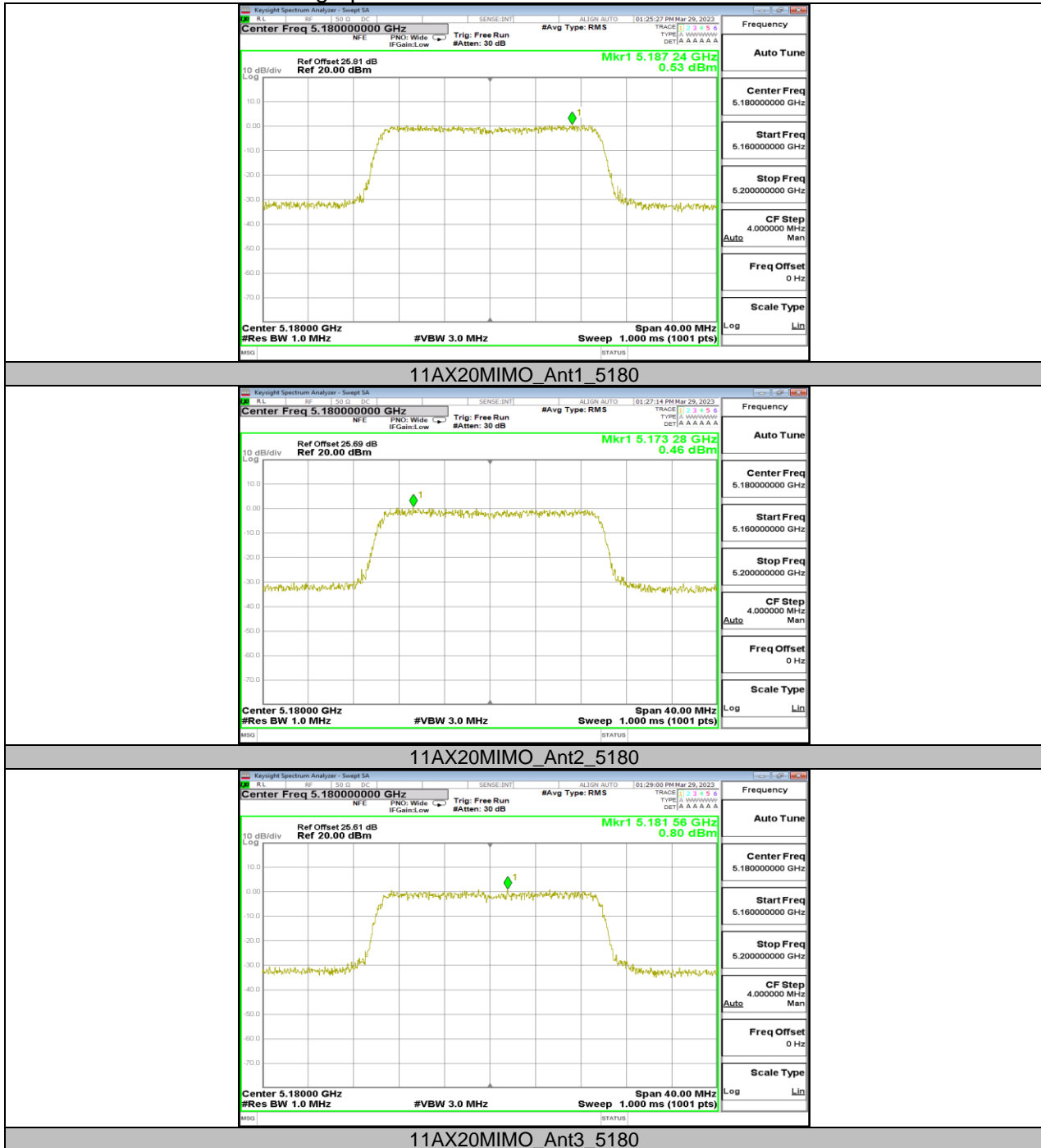
11BE160MIMO\_Ant3\_5250\_UNII-1

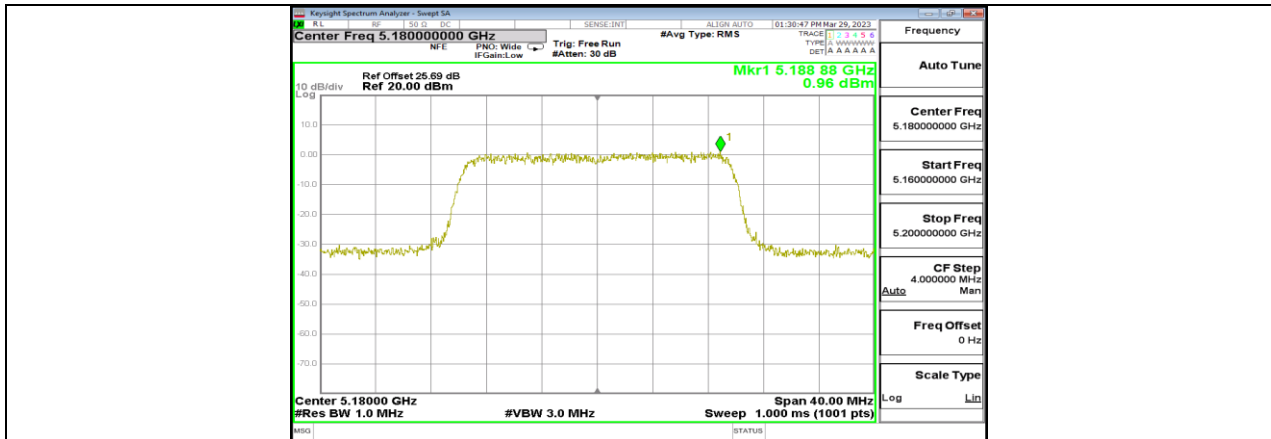


11BE160MIMO\_Ant4\_5250\_UNII-1

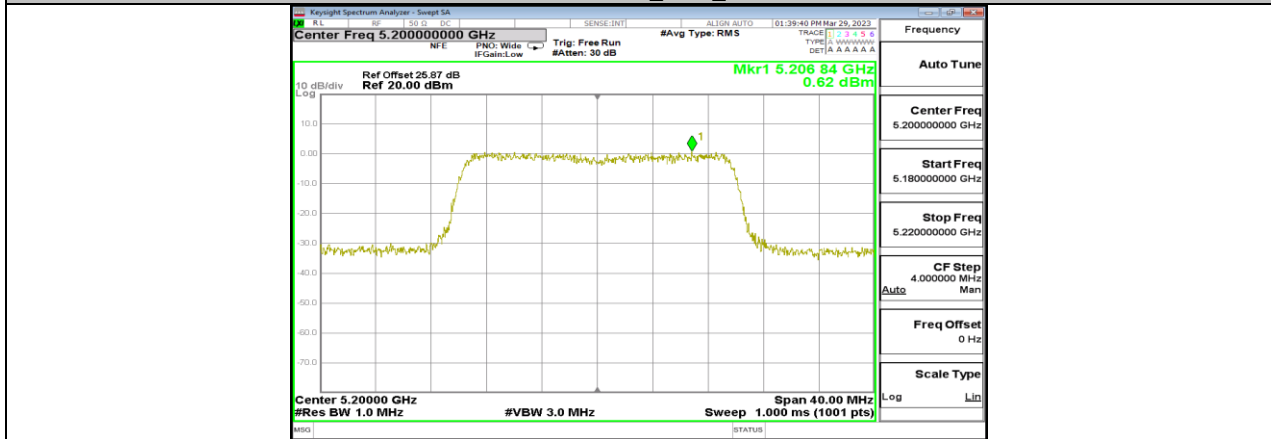
### 11.5.8. Test Graphs

For ISED UNII-1 NSS=4 test graphs:

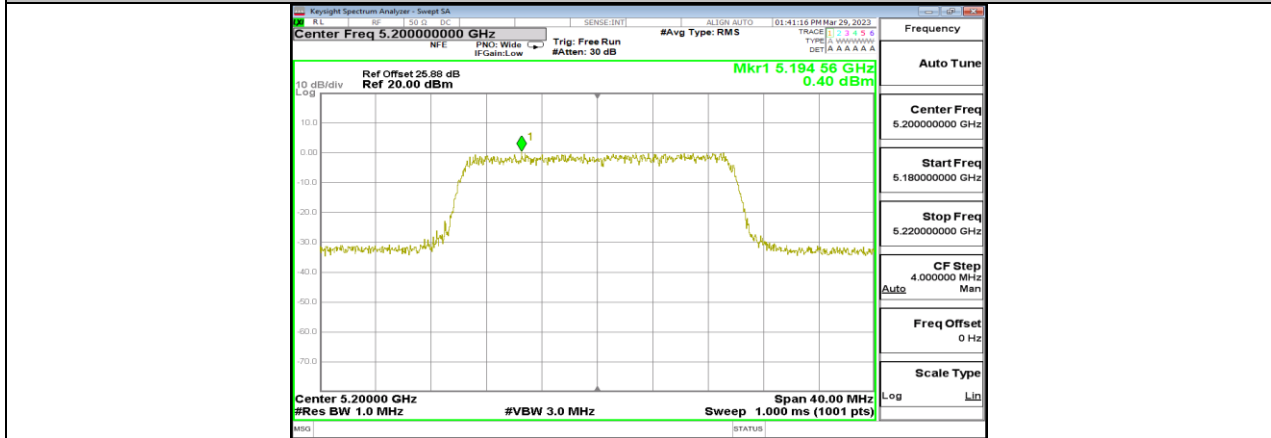




11AX20MIMO\_Ant4\_5180

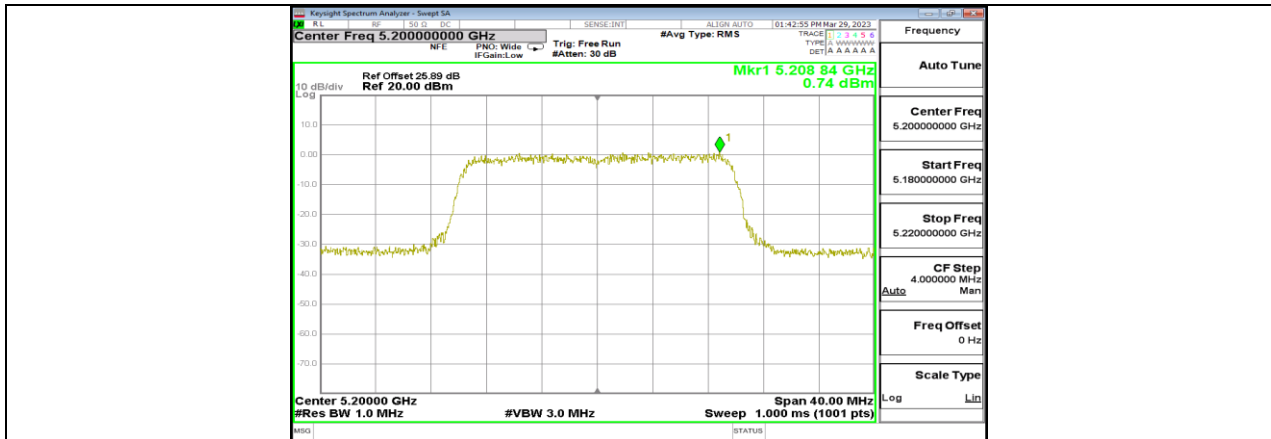


11AX20MIMO\_Ant1\_5200

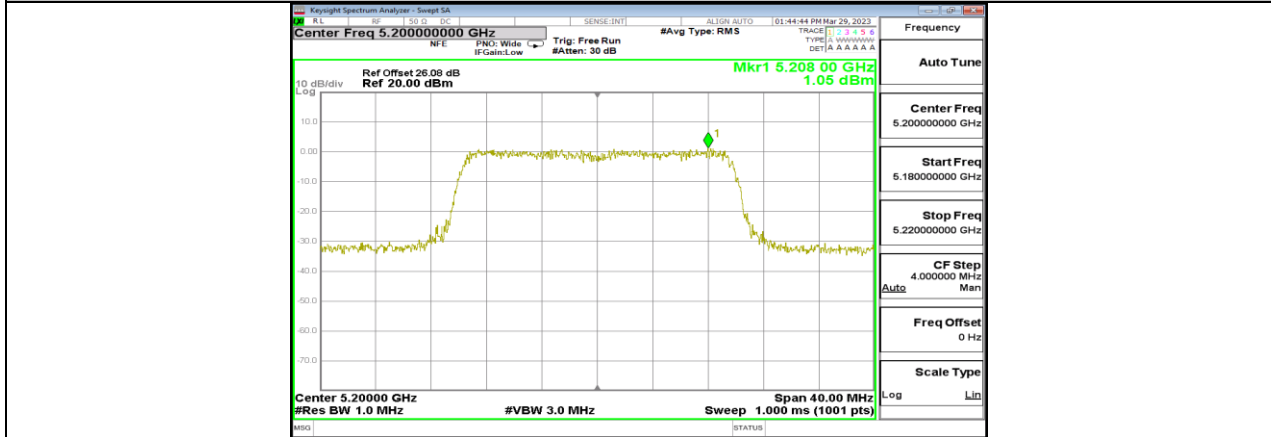


11AX20MIMO\_Ant2\_5200

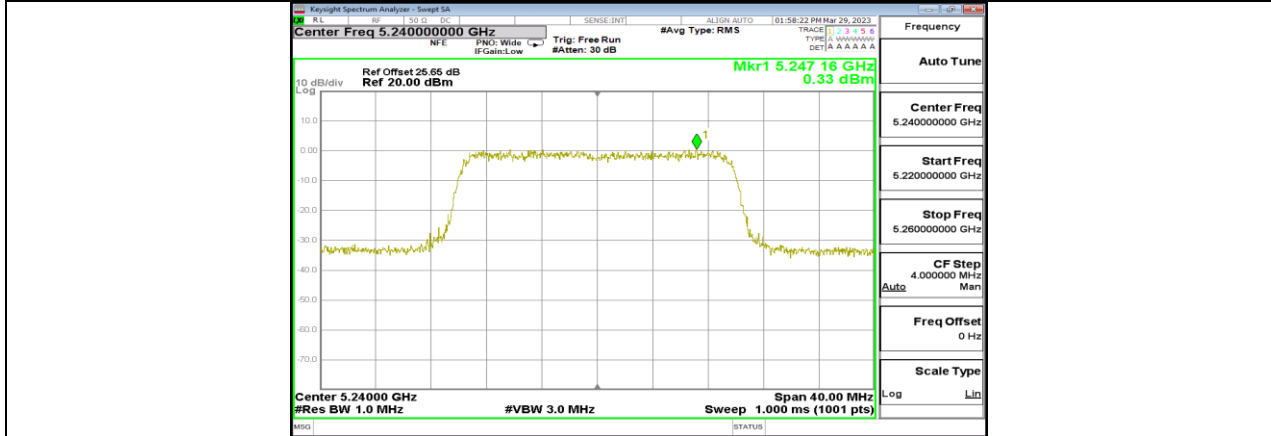




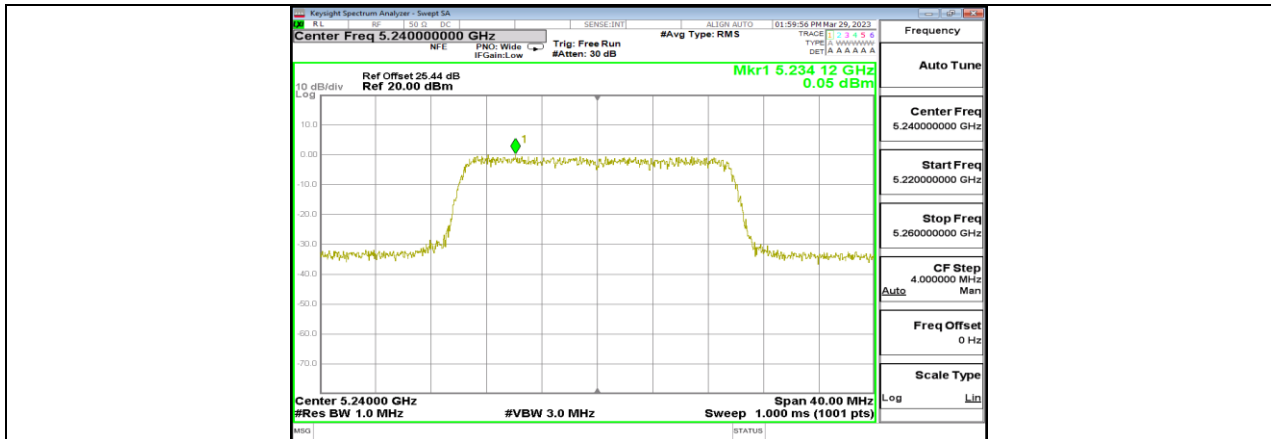
11AX20MIMO\_Ant3\_5200



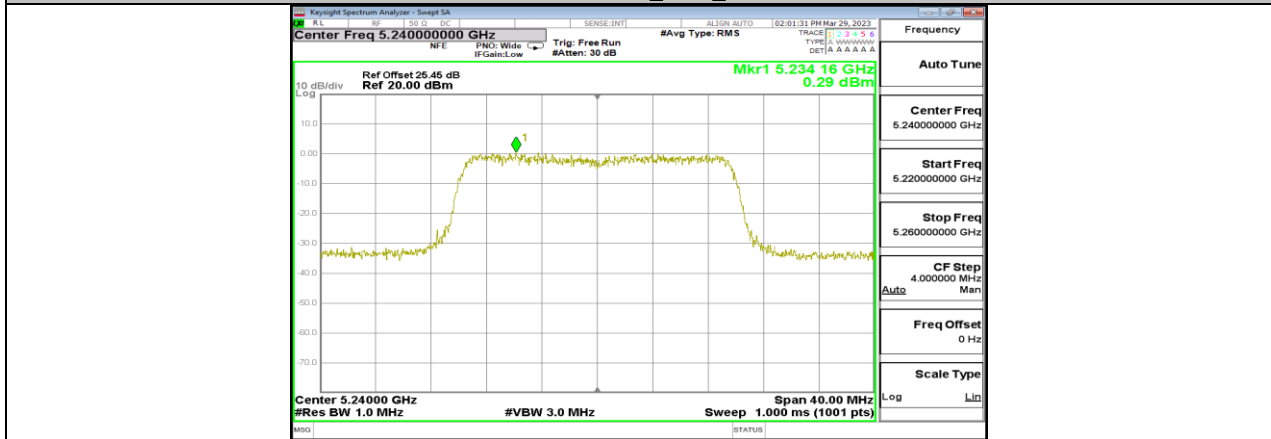
11AX20MIMO\_Ant4\_5200



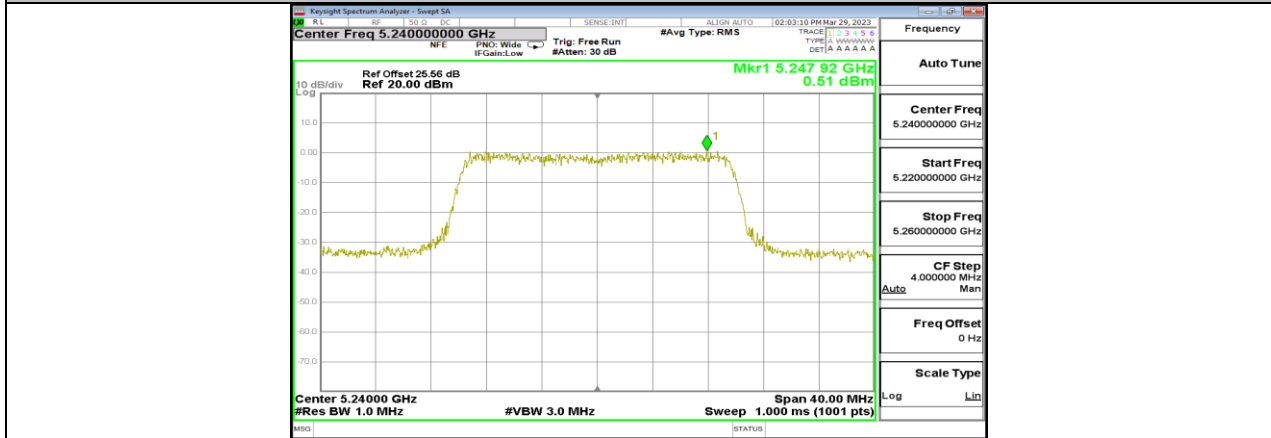
11AX20MIMO\_Ant1\_5240



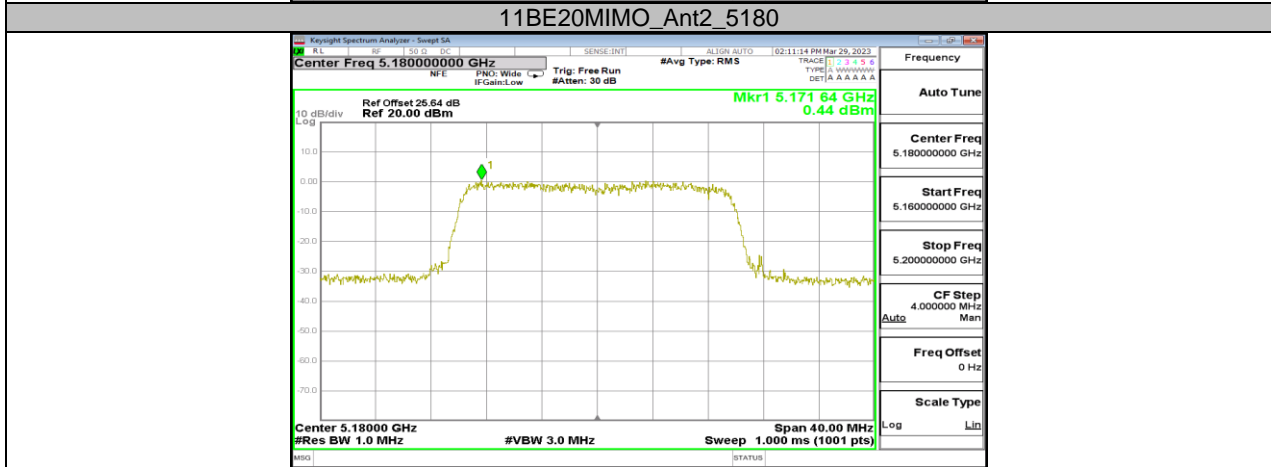
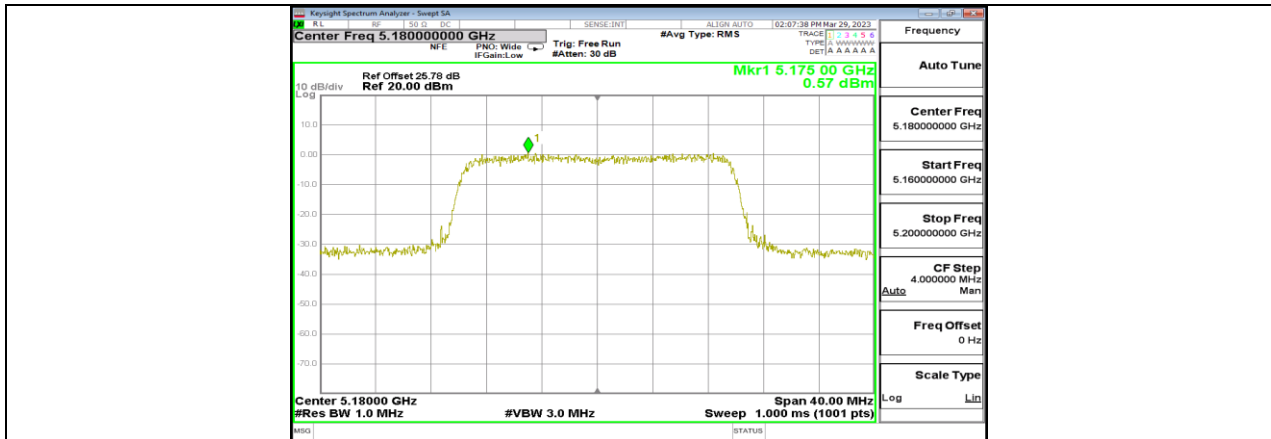
11AX20MIMO\_Ant2\_5240

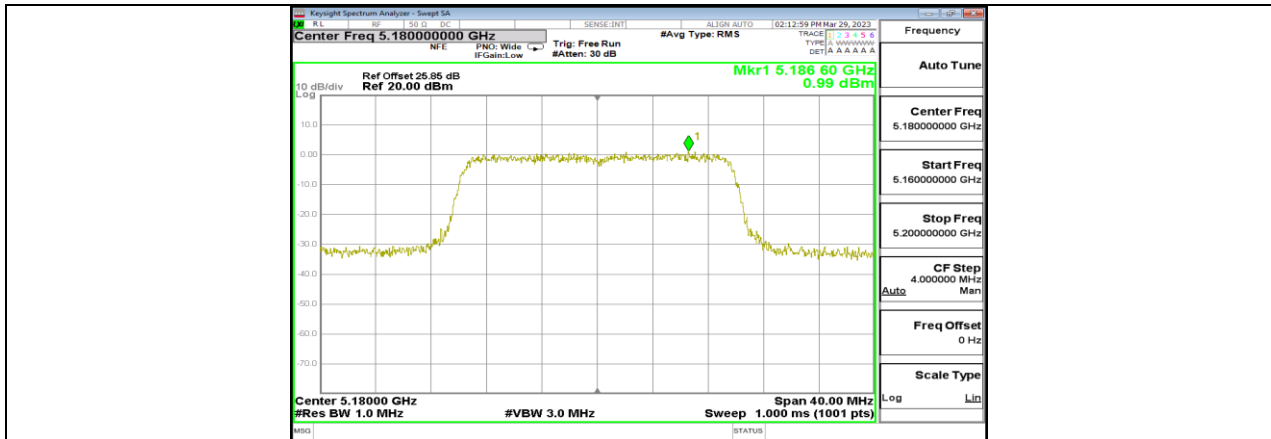


11AX20MIMO\_Ant3\_5240

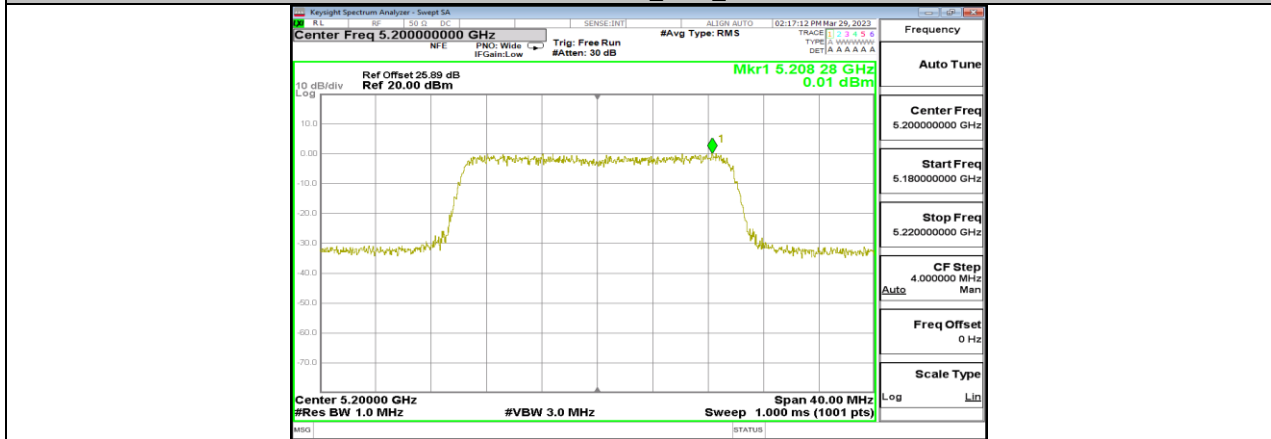


11AX20MIMO\_Ant4\_5240

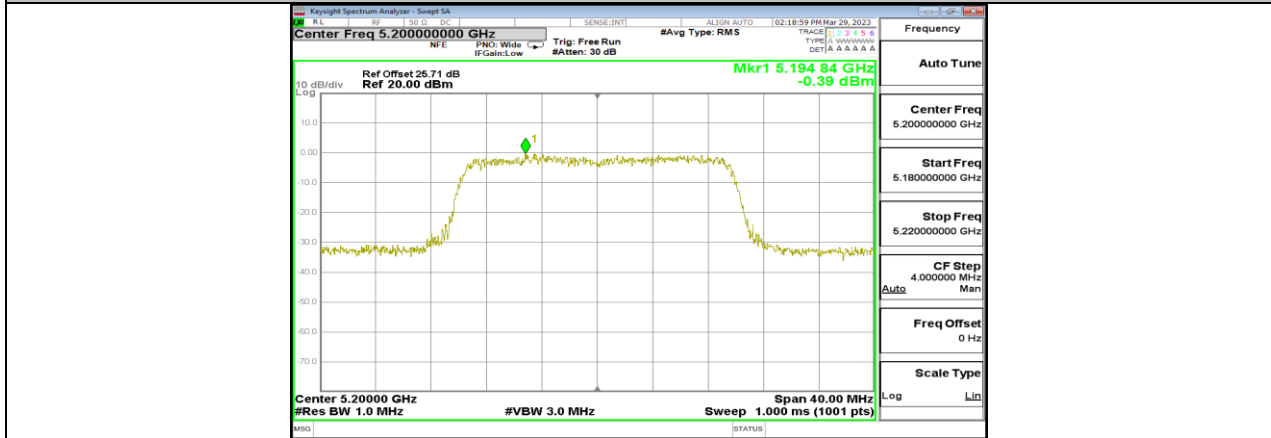




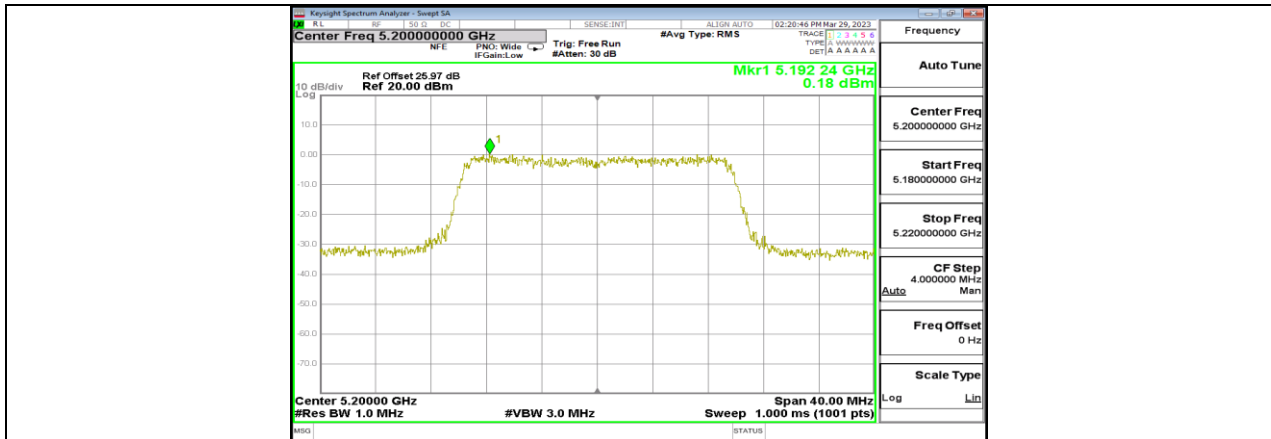
11BE20MIMO\_Ant4\_5180



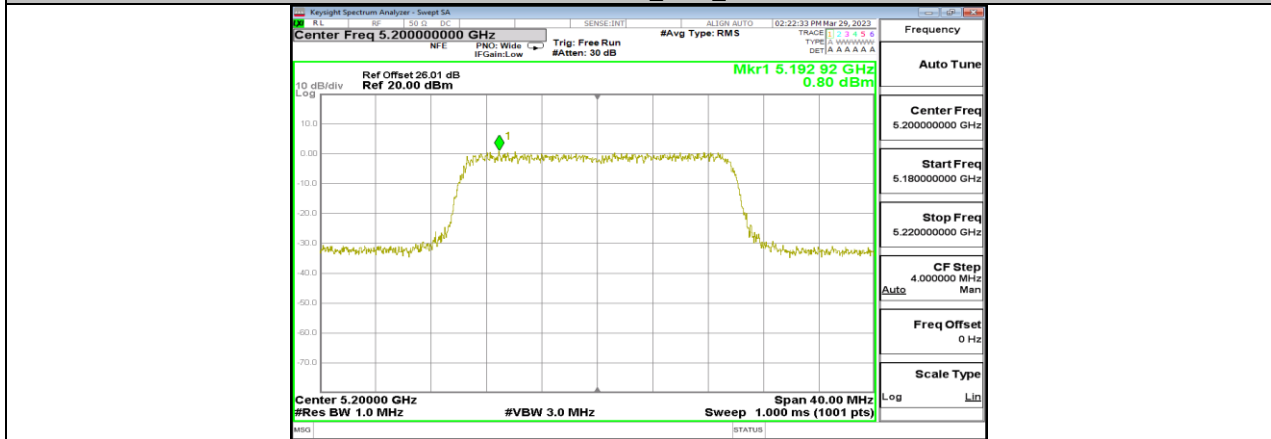
11BE20MIMO\_Ant1\_5200



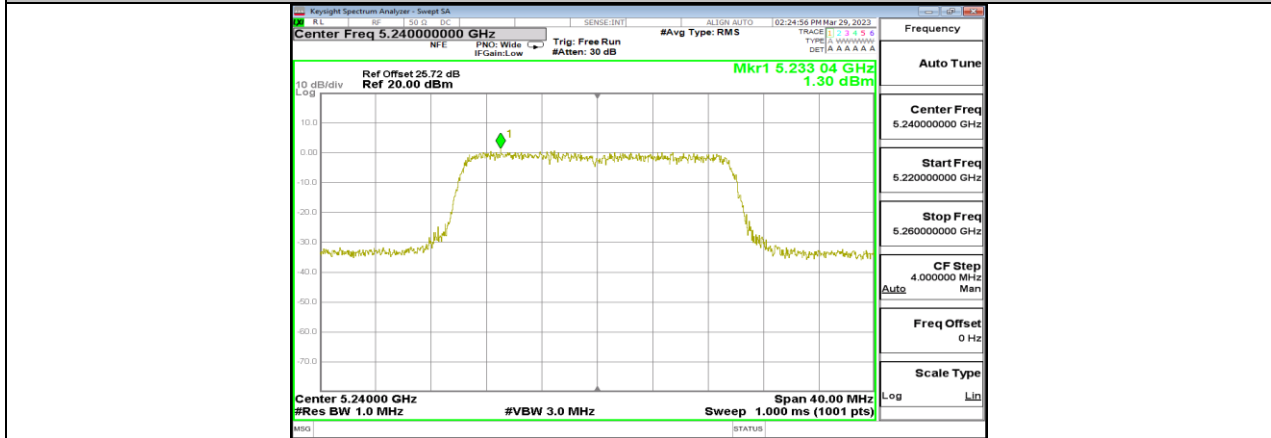
11BE20MIMO\_Ant2\_5200



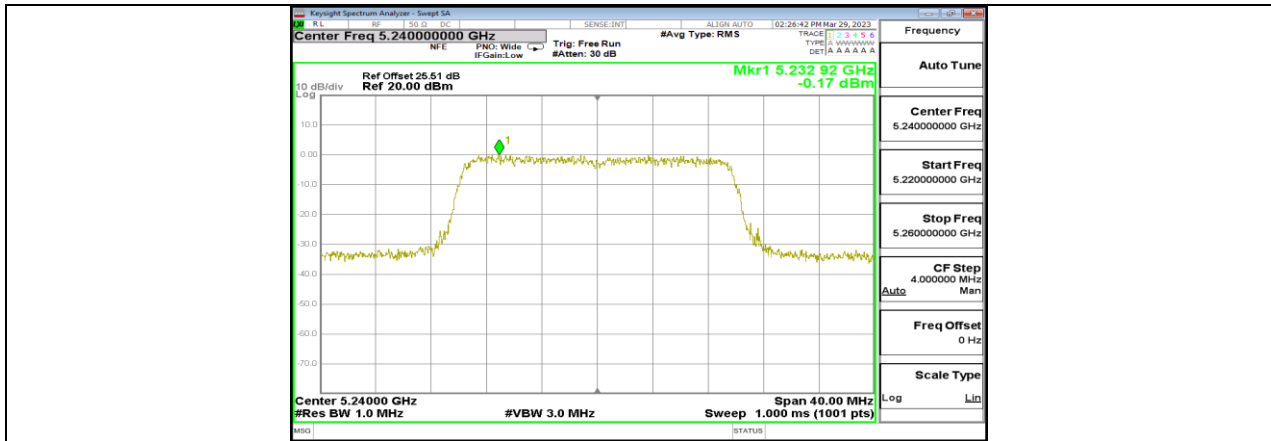
11BE20MIMO\_Ant3\_5200



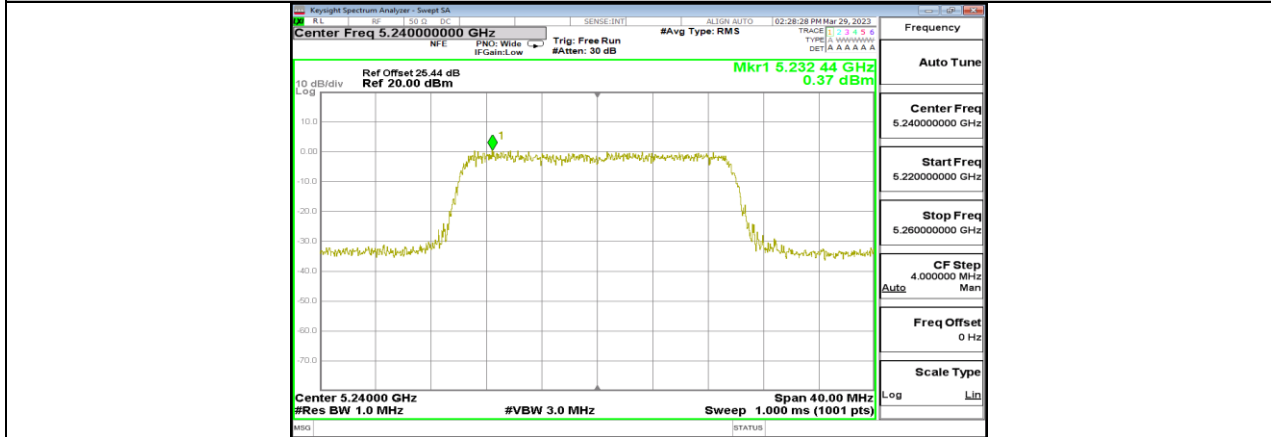
11BE20MIMO\_Ant4\_5200



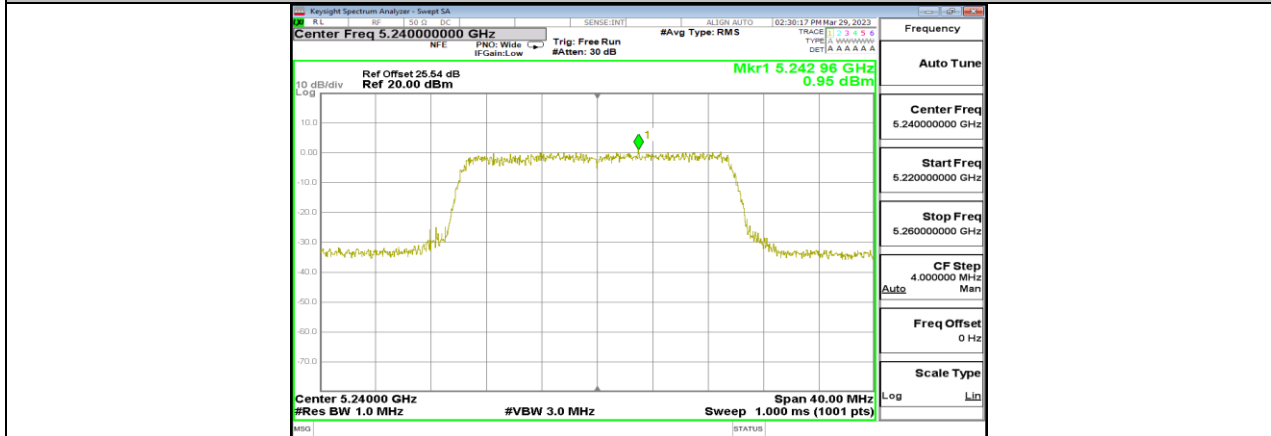
11BE20MIMO\_Ant1\_5240



11BE20MIMO\_Ant2\_5240



11BE20MIMO\_Ant3\_5240



11BE20MIMO\_Ant4\_5240

## 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	5200.0131	2.52	5200.0003	0.05	5200.0163	3.13	5200.0091	1.76
TN	VN	5199.9826	-3.35	5199.9860	-2.69	5199.9847	-2.94	5200.0126	2.42
TN	VH	5200.0109	2.10	5199.9778	-4.27	5200.0114	2.19	5200.0250	4.80
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)
40	VN	5199.9813	-3.59	5199.9971	-0.55	5200.0138	2.65	5200.0040	0.76
30	VN	5200.0062	1.20	5200.0221	4.25	5200.0148	2.85	5200.0134	2.58
20	VN	5200.0113	2.18	5199.9852	-2.84	5200.0248	4.77	5200.0002	0.04
10	VN	5199.9783	-4.18	5200.0089	1.72	5199.9911	-1.71	5199.9992	-0.16
0	VN	5199.9825	-3.36	5200.0023	0.45	5200.0237	4.57	5200.0118	2.27

**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-CDD	3.01	3.13	0.9617	96.17	0.17	0.33	0.5
11AX20MIMO	2.53	2.68	0.9440	94.40	0.25	0.40	0.5
11AX40MIMO	3.75	3.90	0.9615	96.15	0.17	0.27	0.5
11AX80MIMO	3.58	3.90	0.9179	91.79	0.37	0.28	0.5
11AX160MIMO	3.88	4.03	0.9628	96.28	0.16	0.26	0.5
11BE20MIMO	2.53	2.71	0.9336	93.36	0.30	0.40	0.5
11BE40MIMO	3.76	3.93	0.9567	95.67	0.19	0.27	0.5
11BE80MIMO	3.58	3.73	0.9598	95.98	0.18	0.28	0.5
11BE160MIMO	3.88	4.04	0.9604	96.04	0.18	0.26	0.5
11BE240MIMO	3.99	4.14	0.9638	96.38	0.16	0.25	0.5

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

