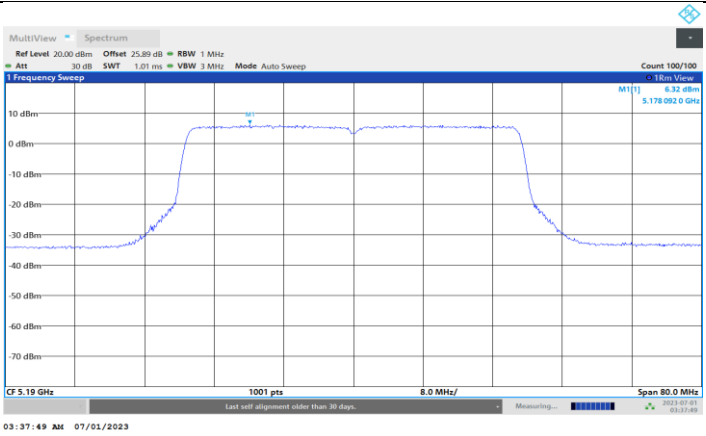
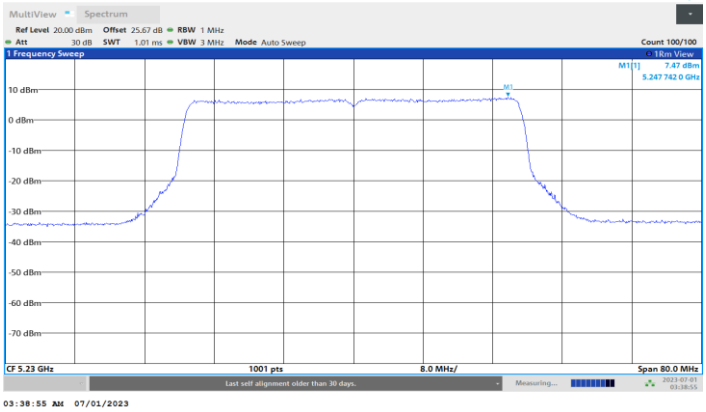
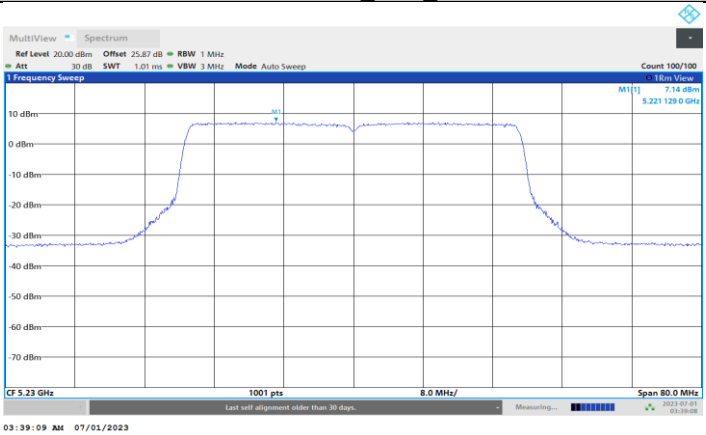


11AX40-CDD_Ant6_5190



11AX40-CDD_Ant5_5230



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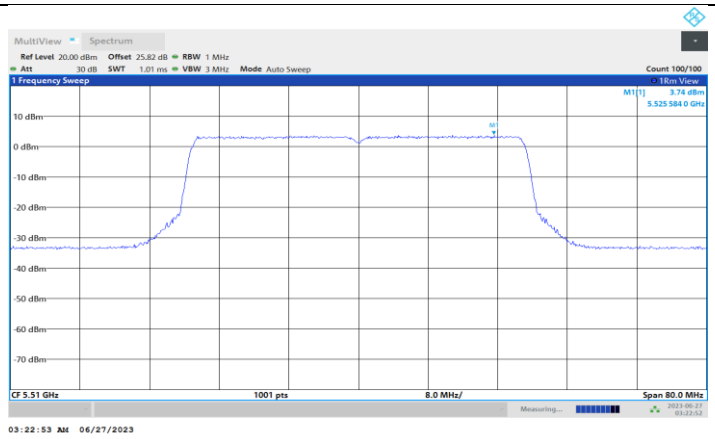
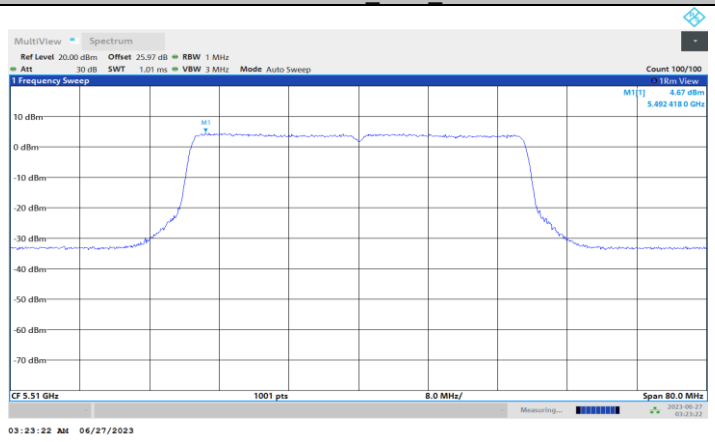


11AX40-CDD_Ant5_5510



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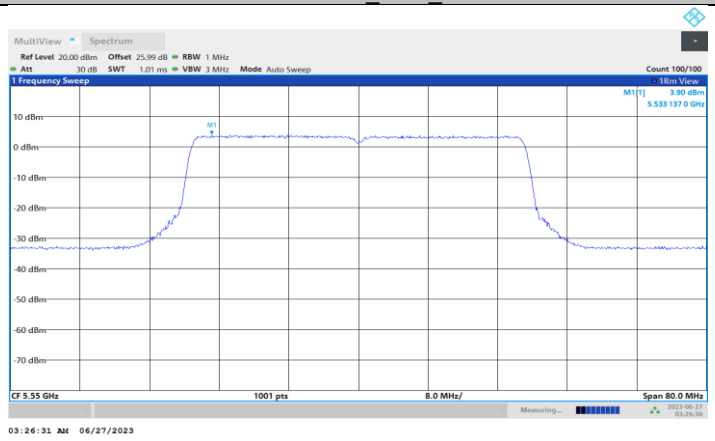

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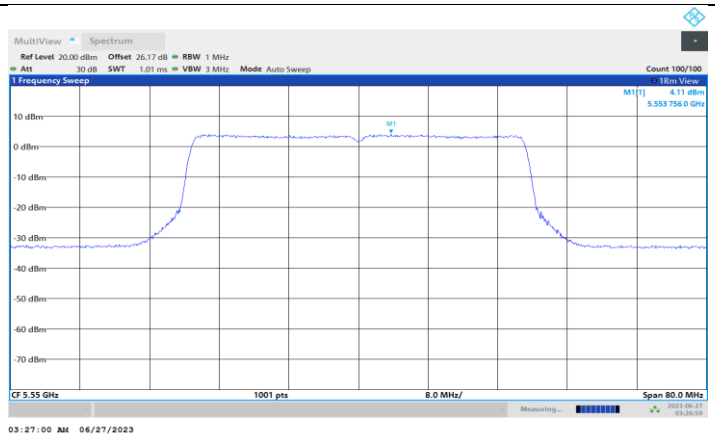

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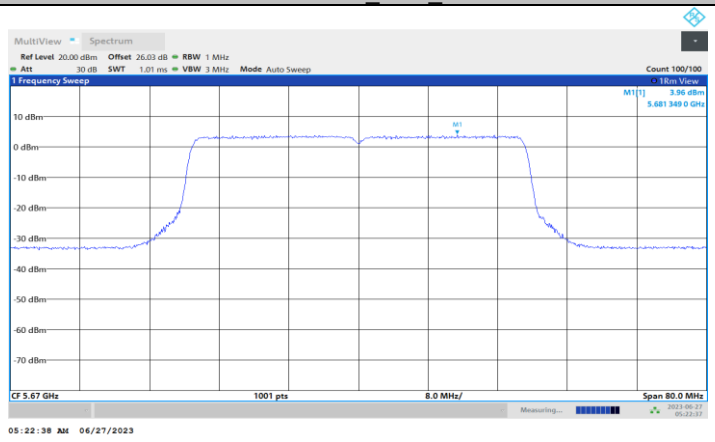

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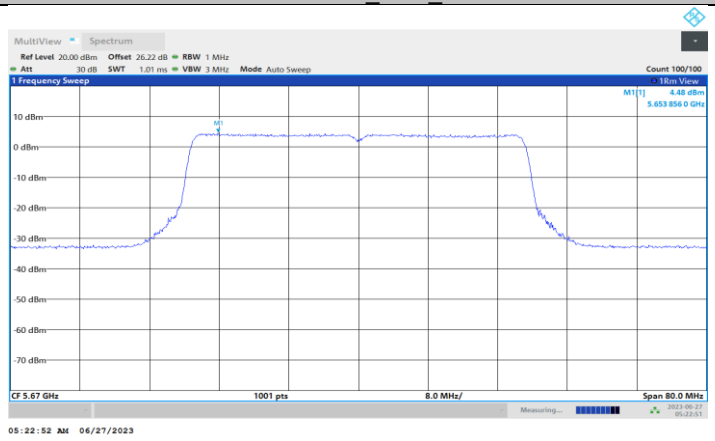
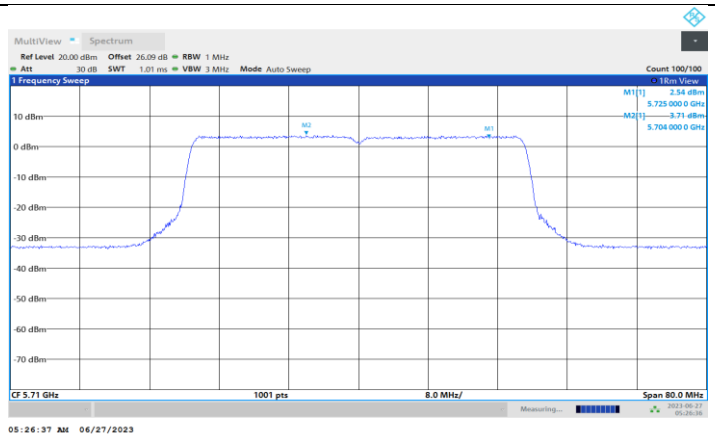
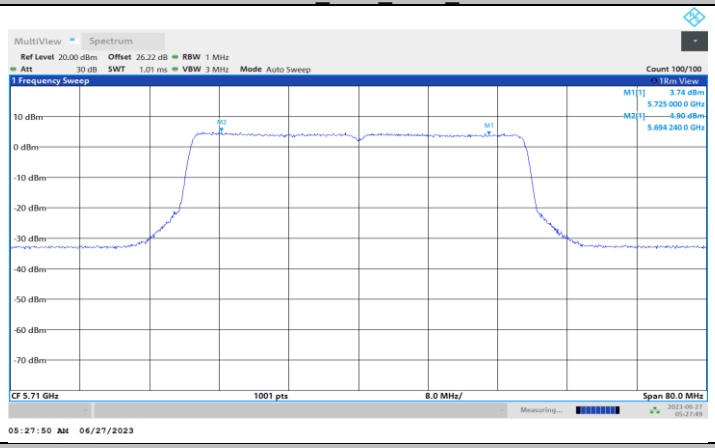


11AX40-CDD_Ant6_5670



11AX40-CDD_Ant5_5710_UNII-2C



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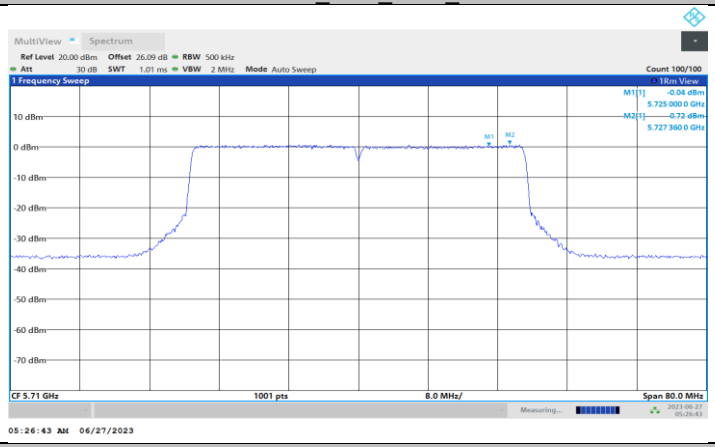
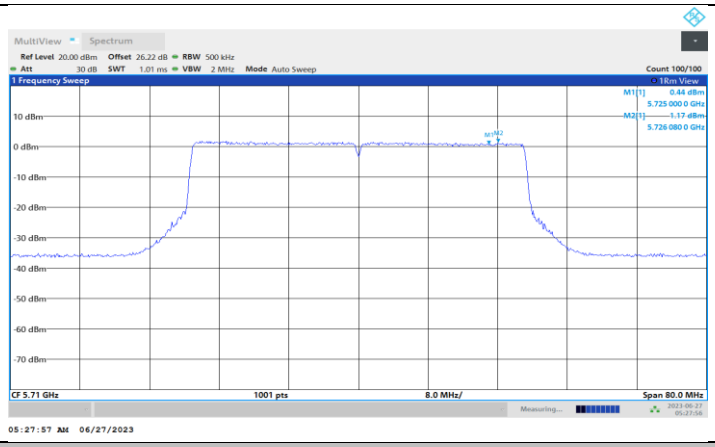


11AX40-CDD_Ant5_5710_UNII-3



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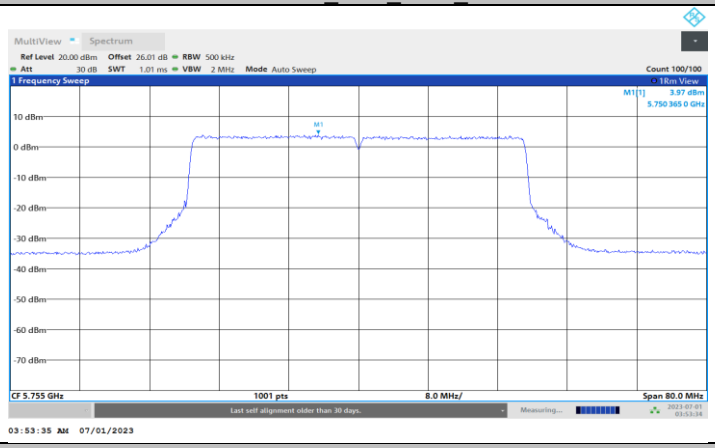

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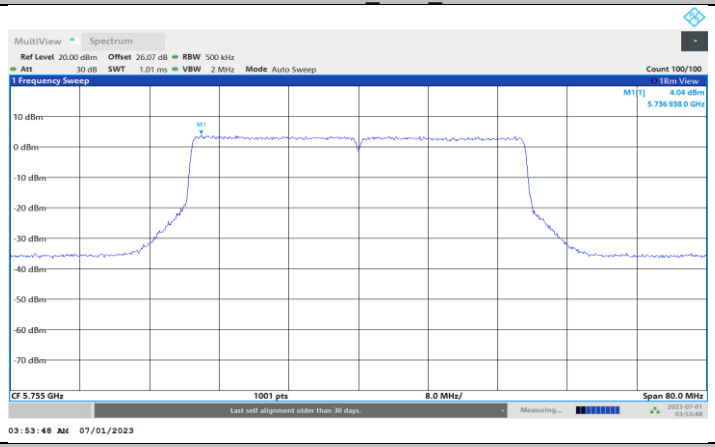

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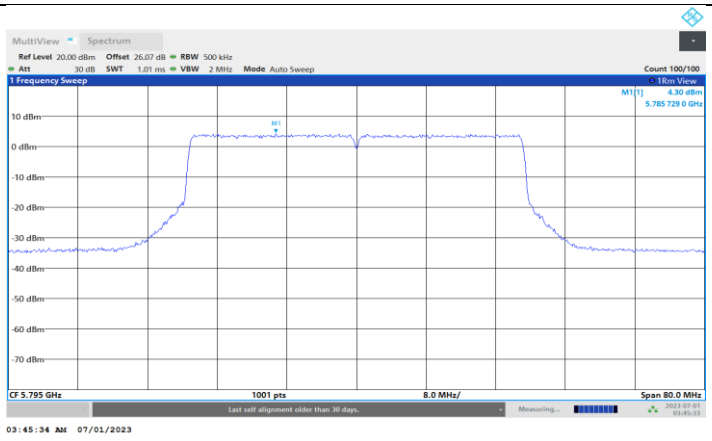

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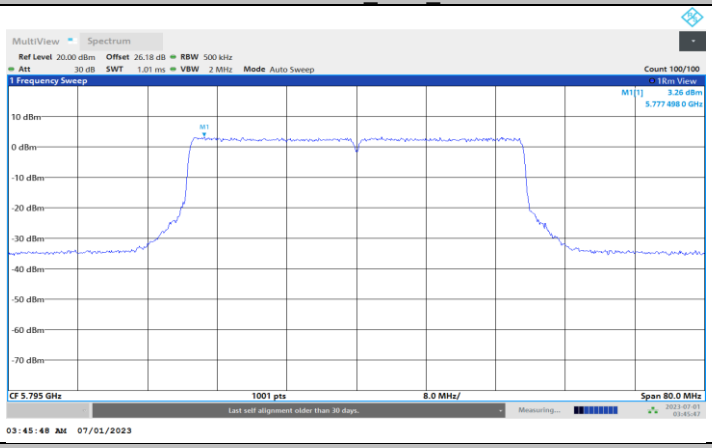
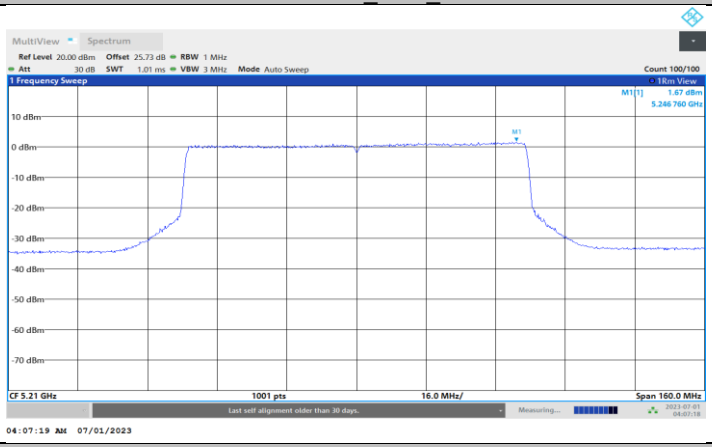
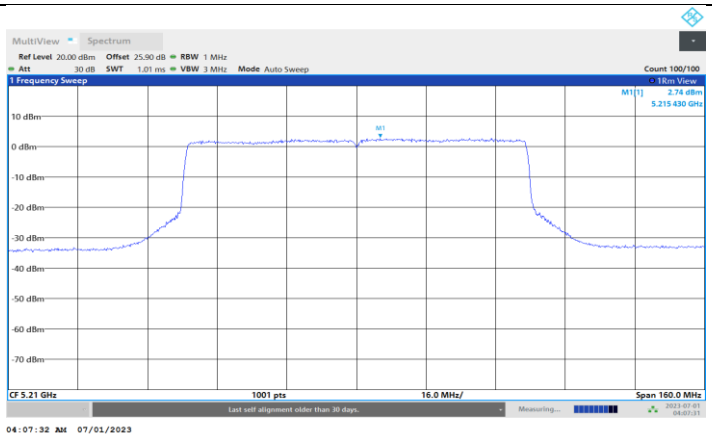


11AX40-CDD_Ant6_5795



11AX80-CDD_Ant5_5210



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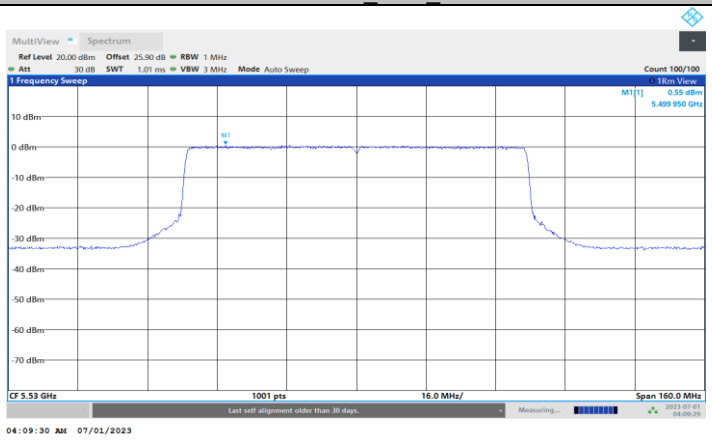

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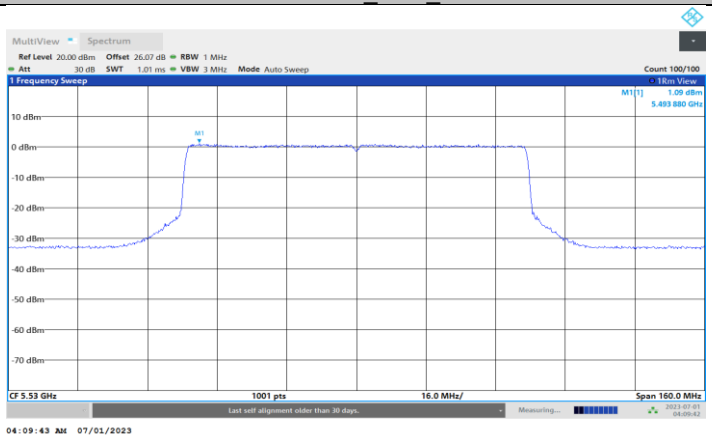

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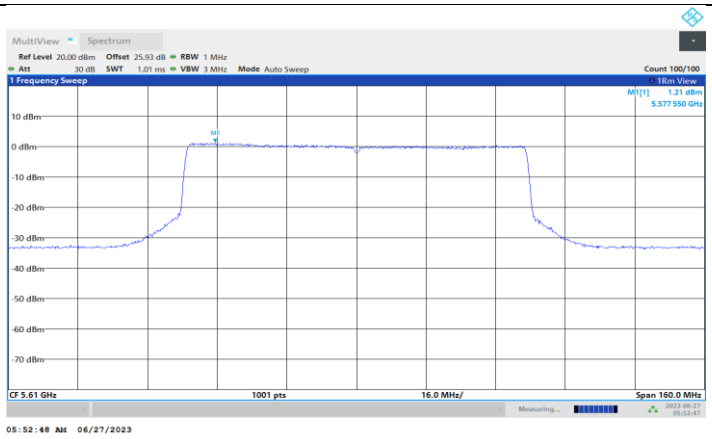

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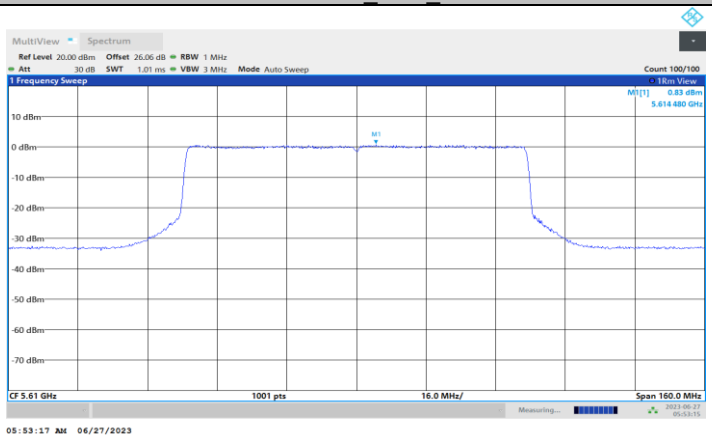

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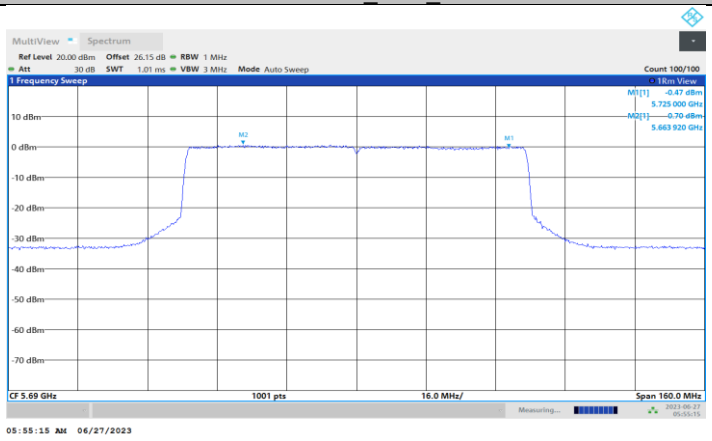
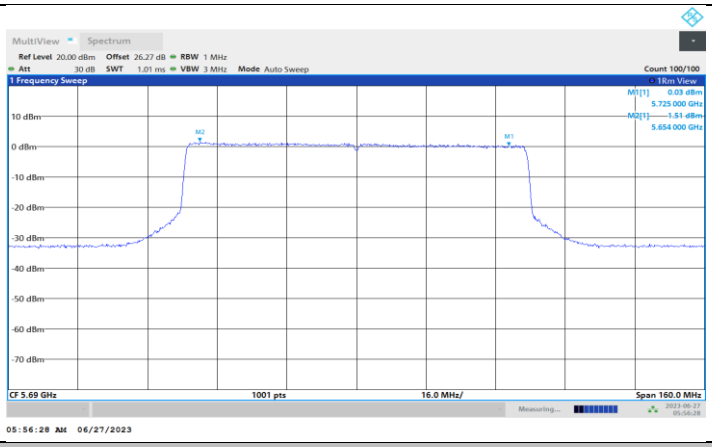


11AX80-CDD_Ant5_5690_UNII-2C



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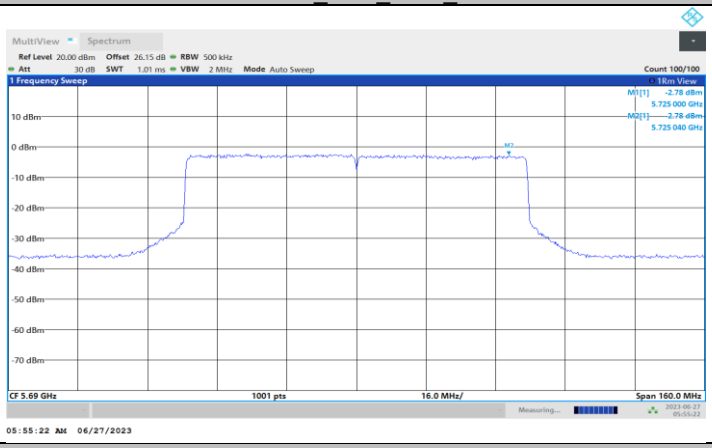

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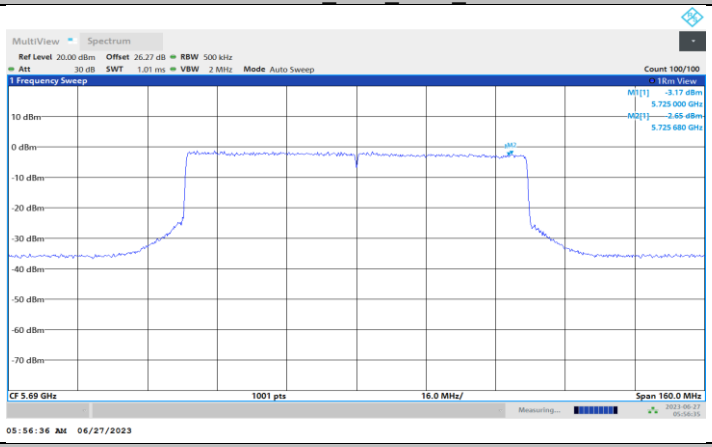

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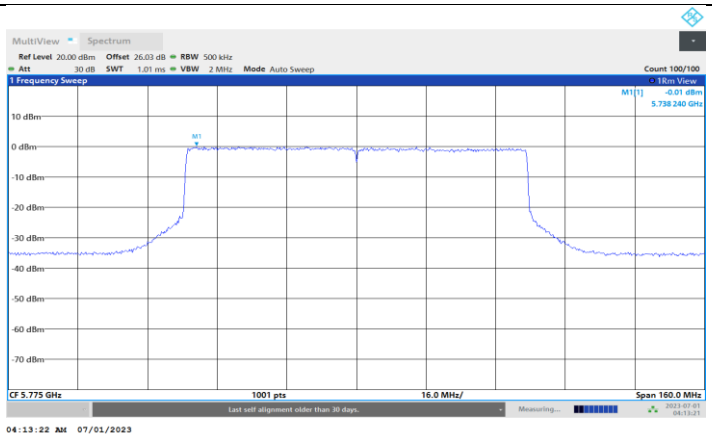

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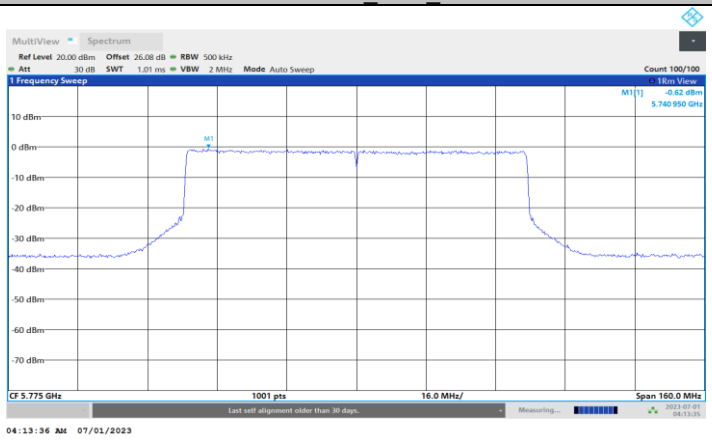

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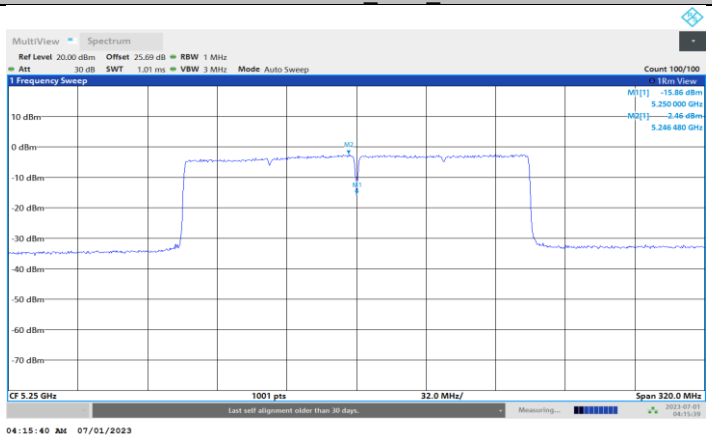

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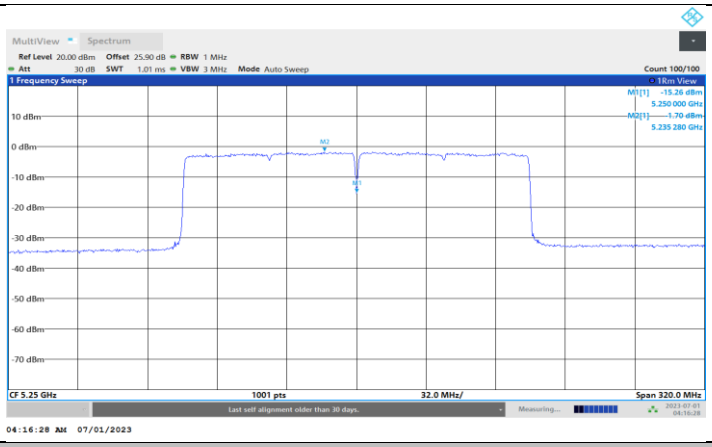

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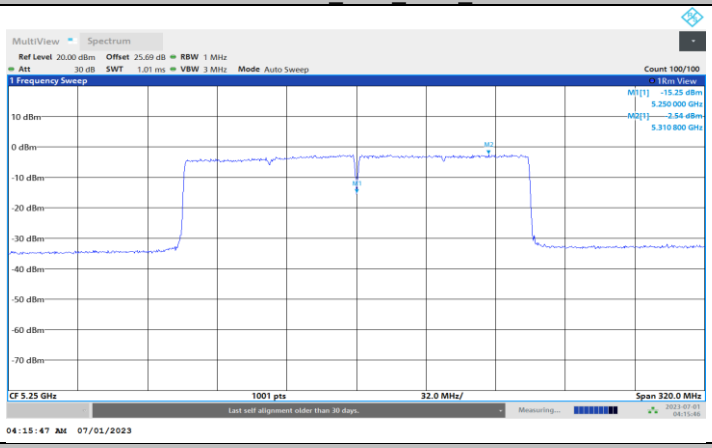

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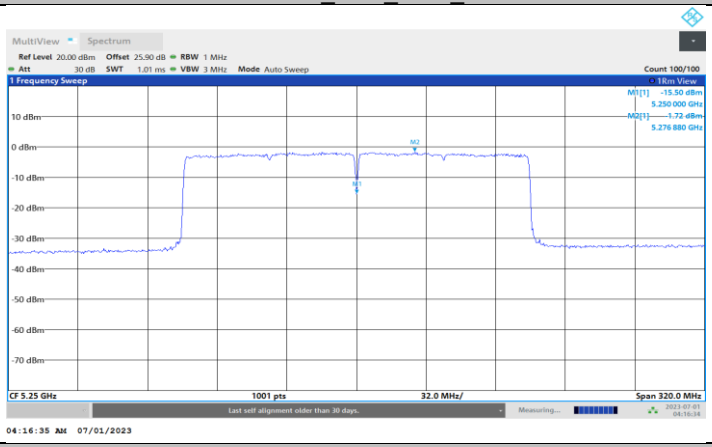
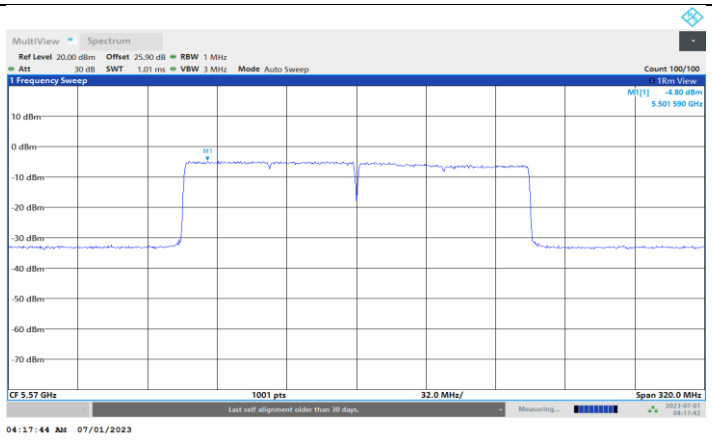
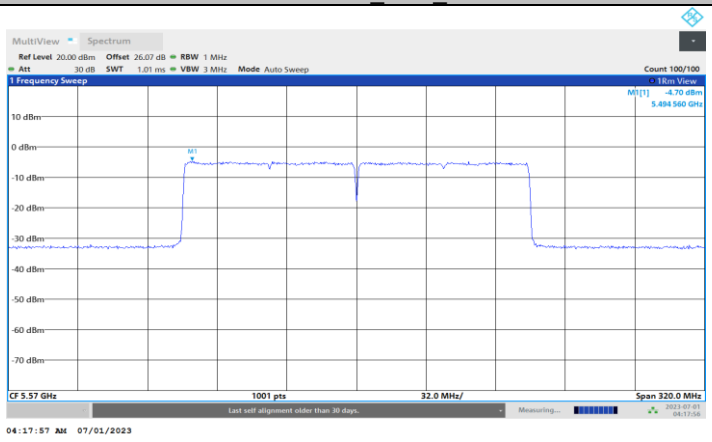


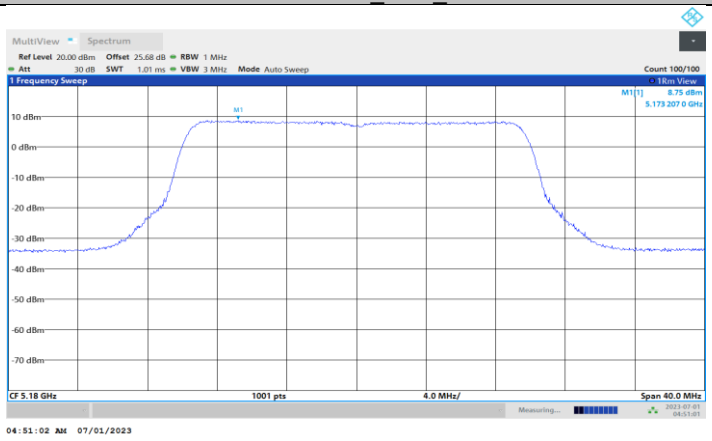
11AX160-CDD_Ant6_5250_UNII-2A



11AX160-CDD_Ant5_5570



11AX160-CDD_Ant6_5570



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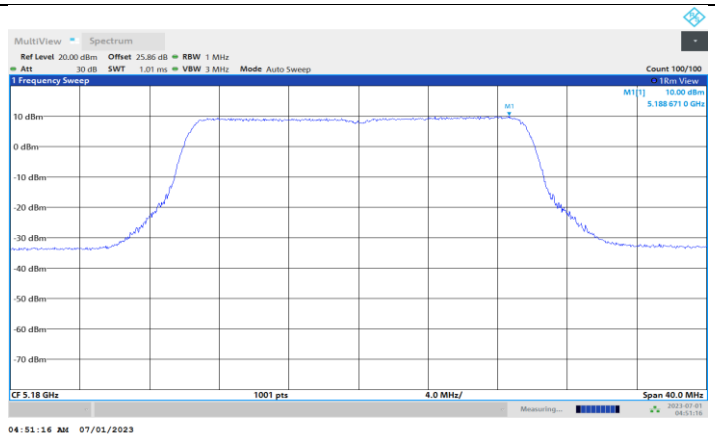

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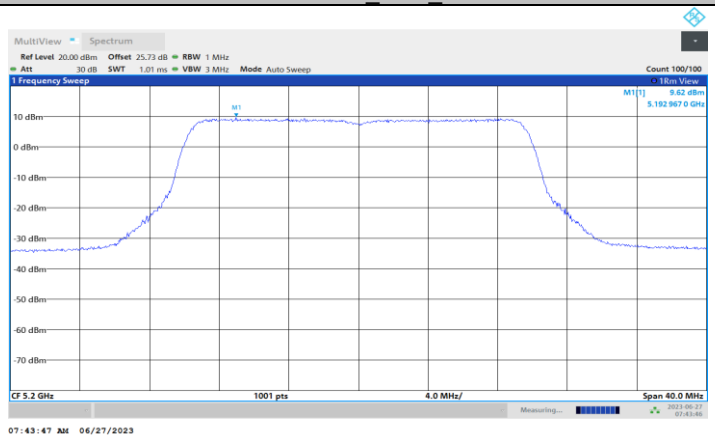

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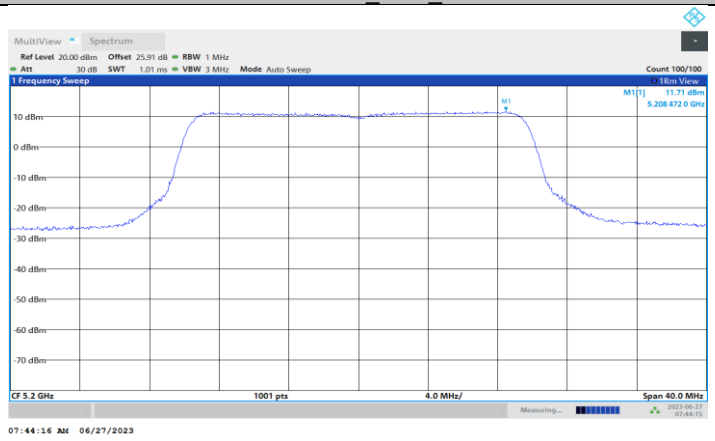

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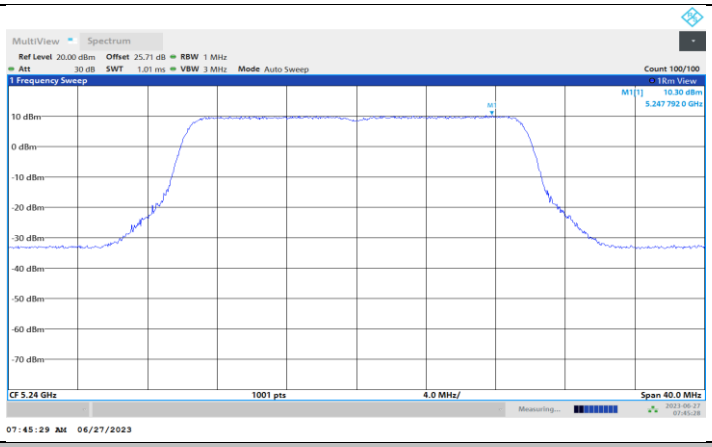

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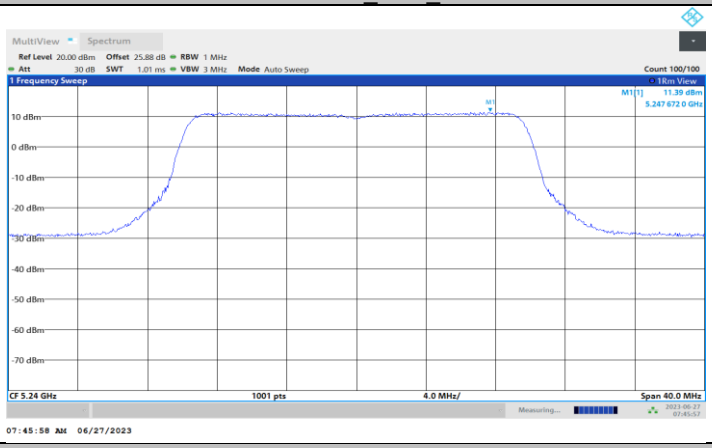

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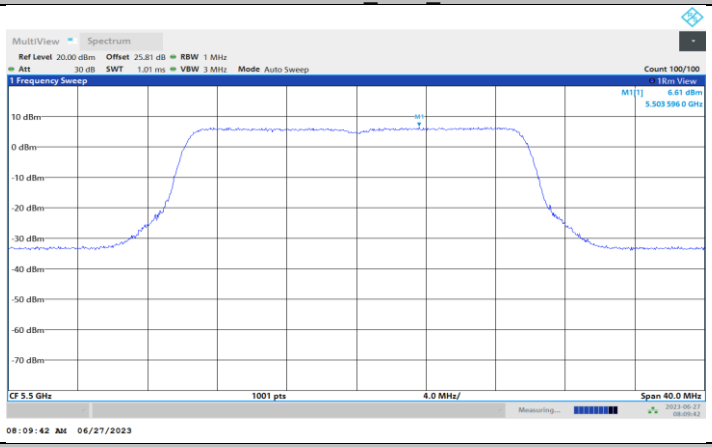

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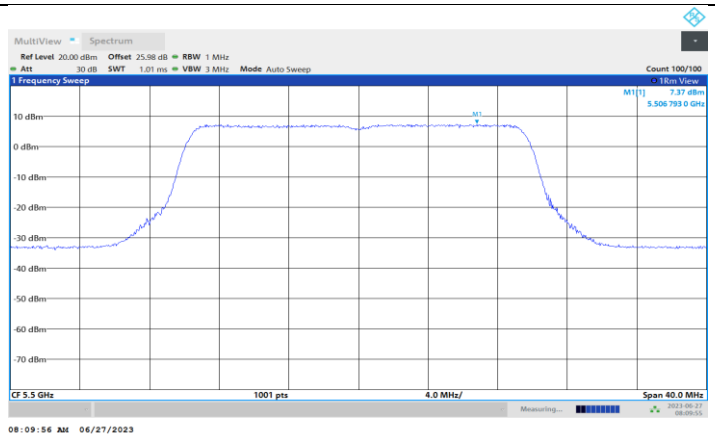

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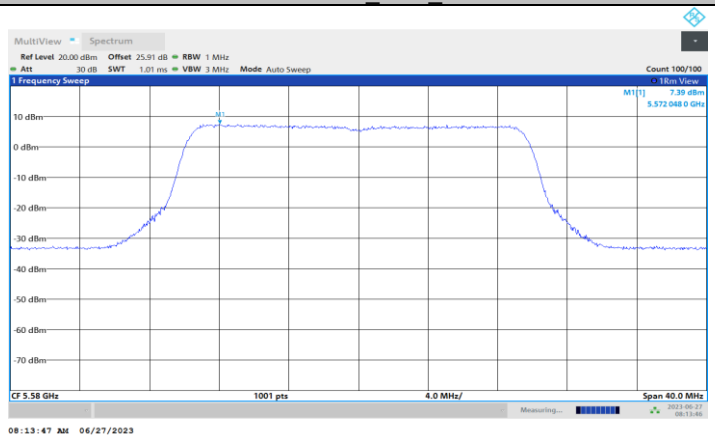

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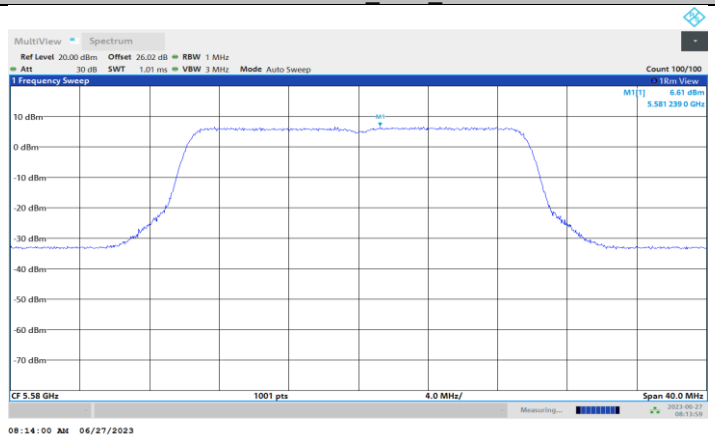

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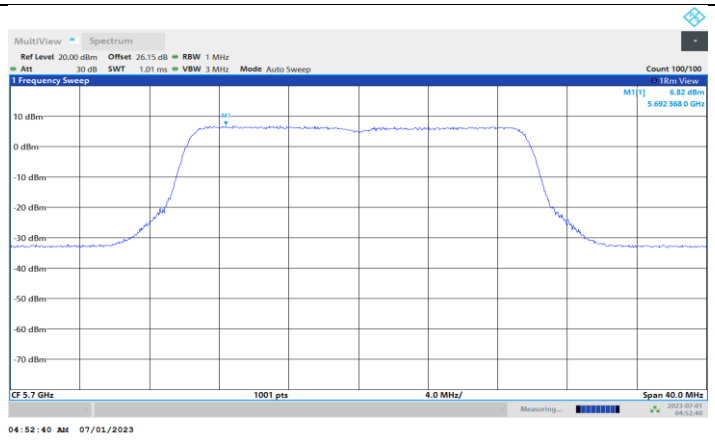

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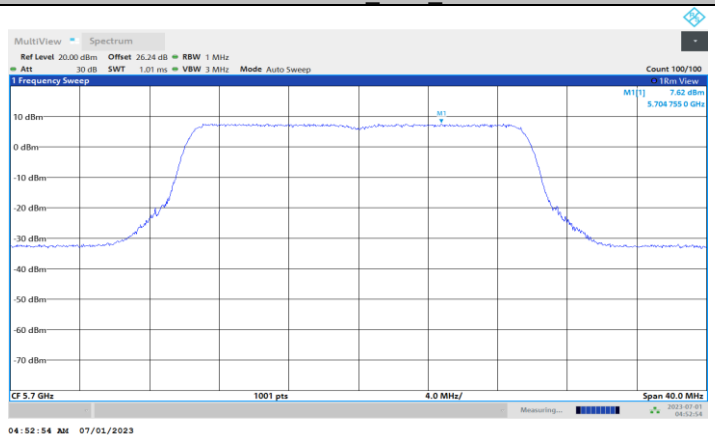

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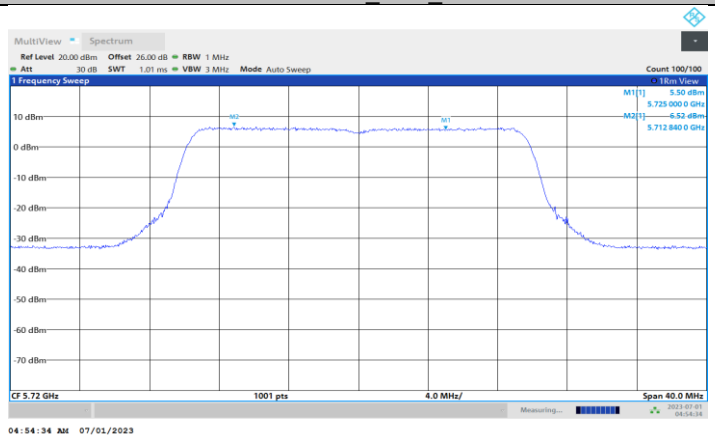
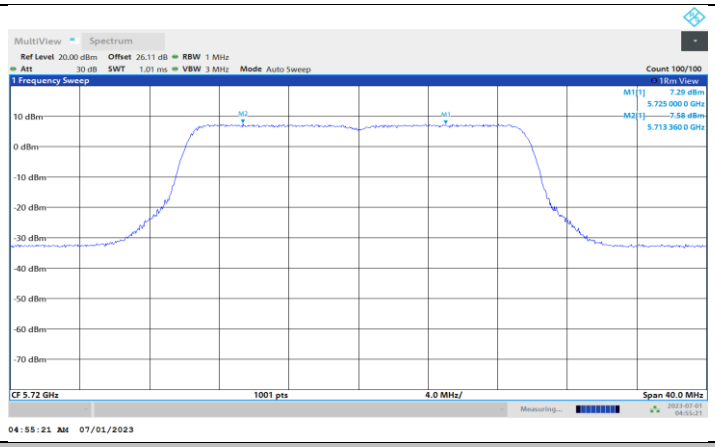


11BE20-CDD_Ant5_5720_UNII-2C



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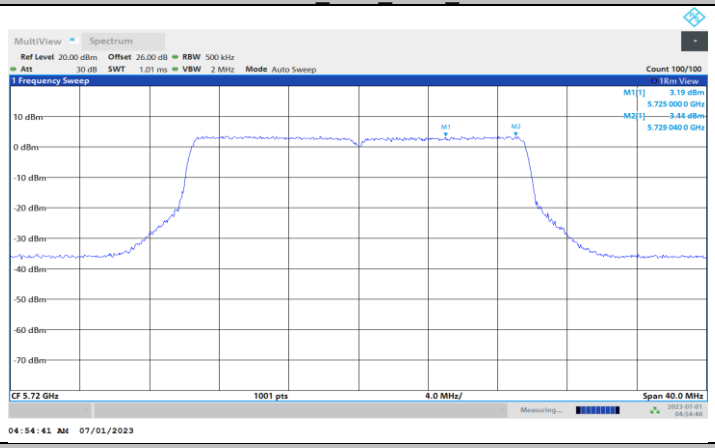

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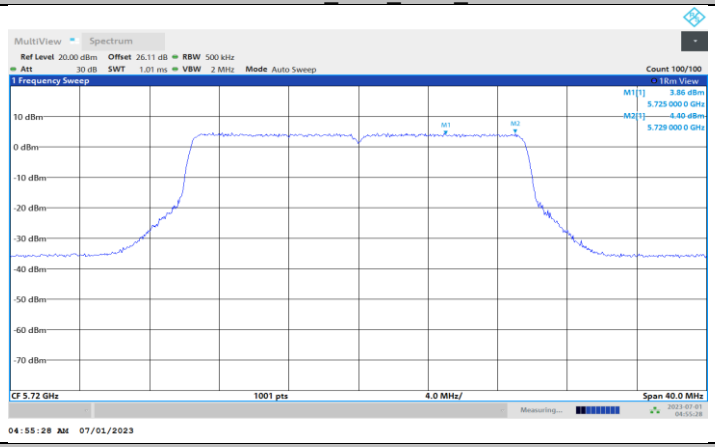
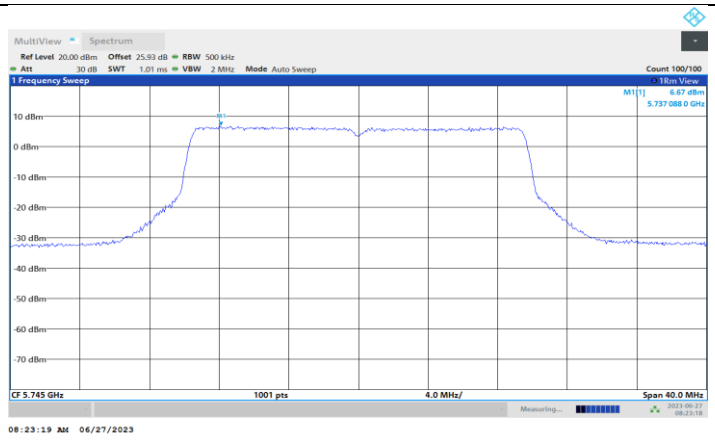


11BE20-CDD_Ant6_5720_UNII-3



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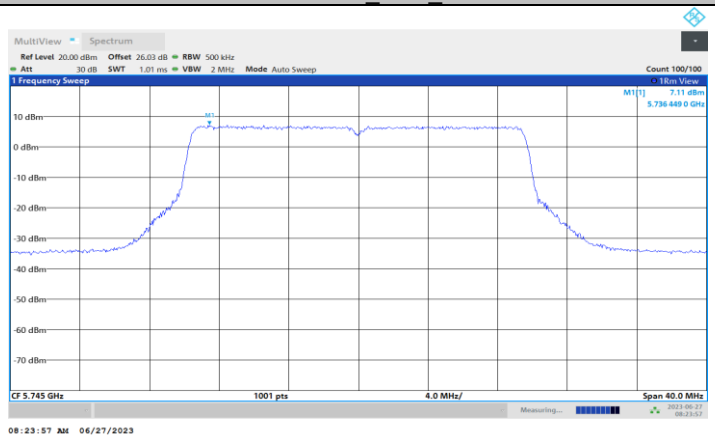

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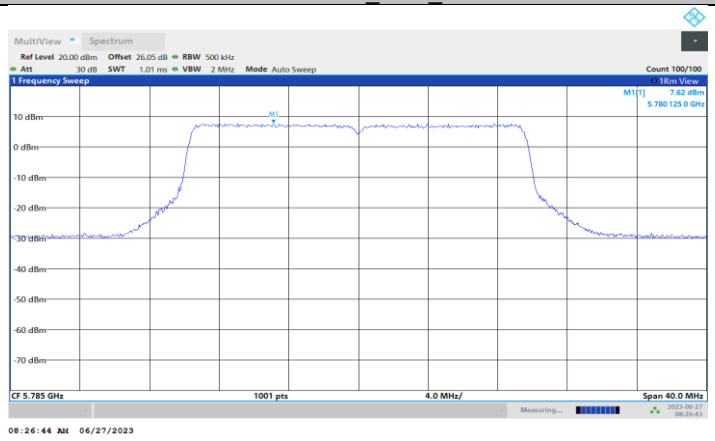

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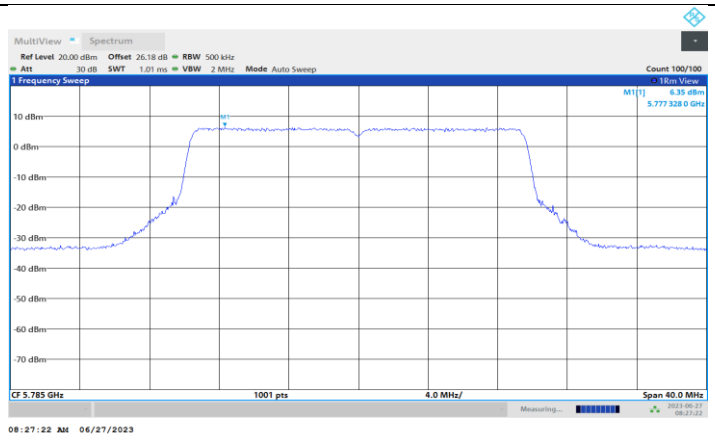
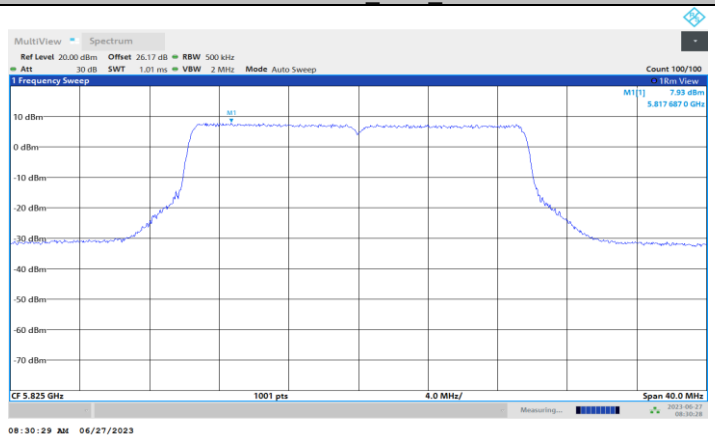


11BE20-CDD_Ant6_5785



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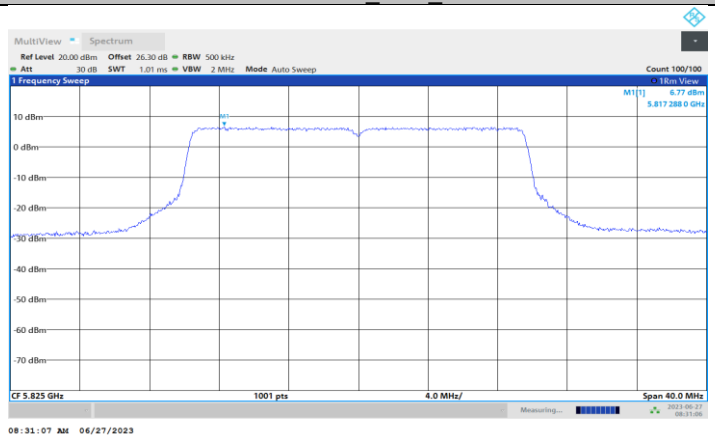

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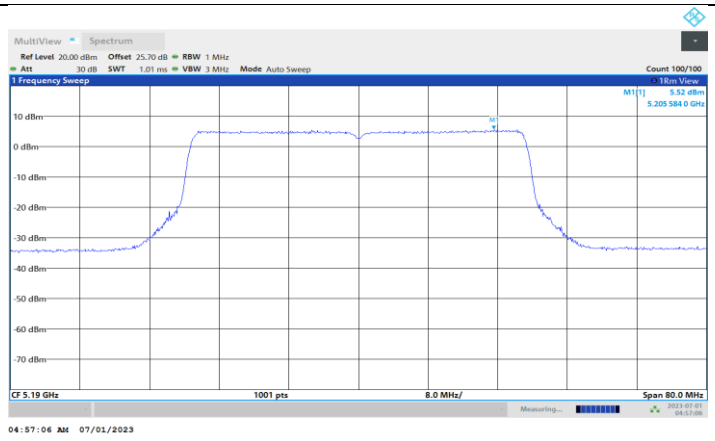

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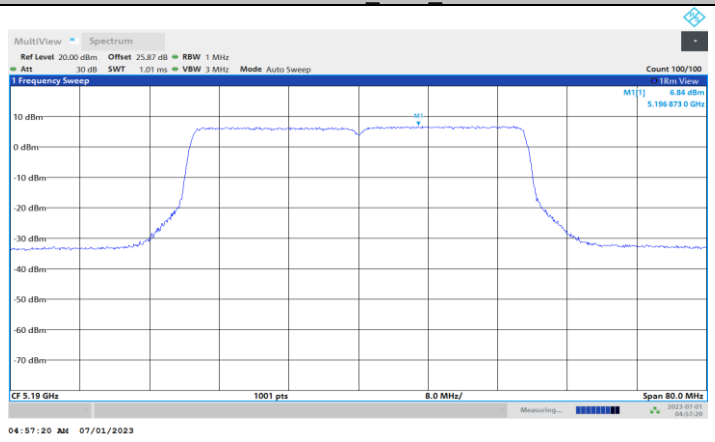
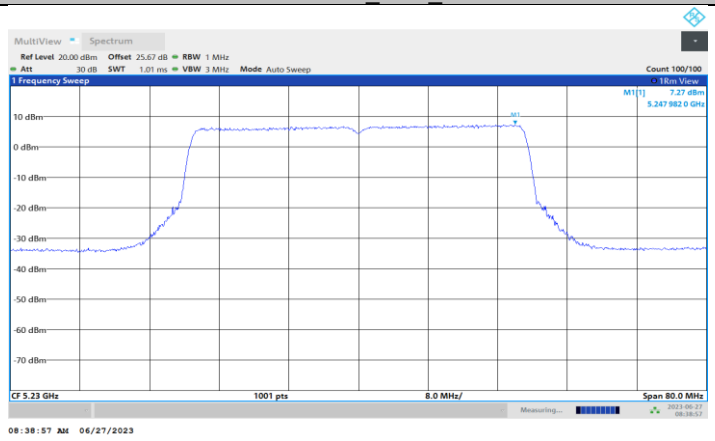


11BE40-CDD_Ant6_5190



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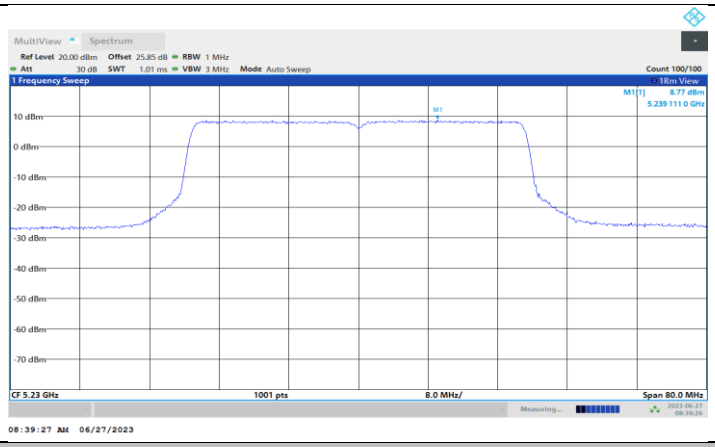

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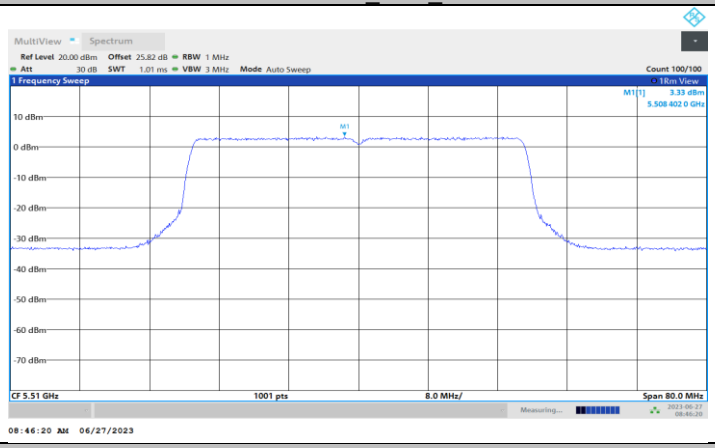

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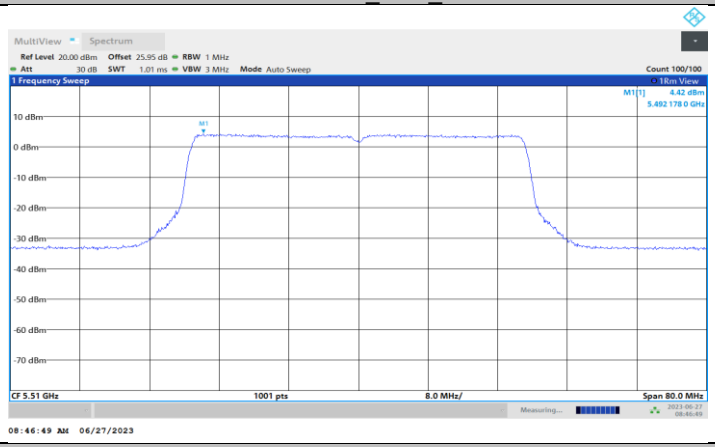

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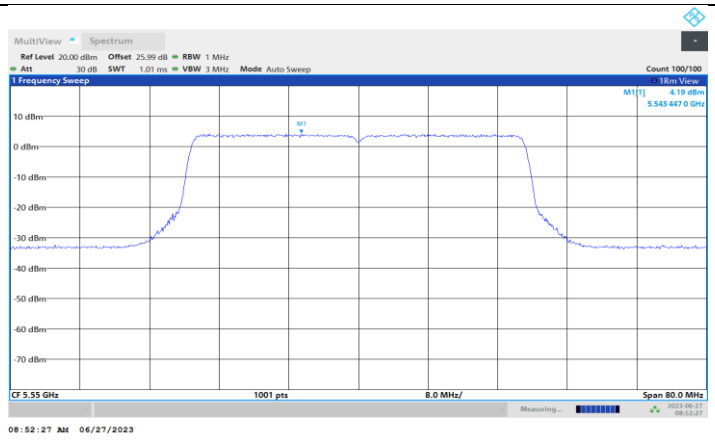

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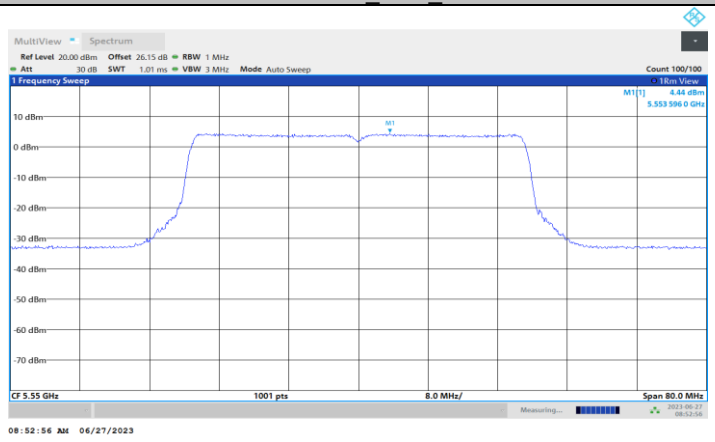

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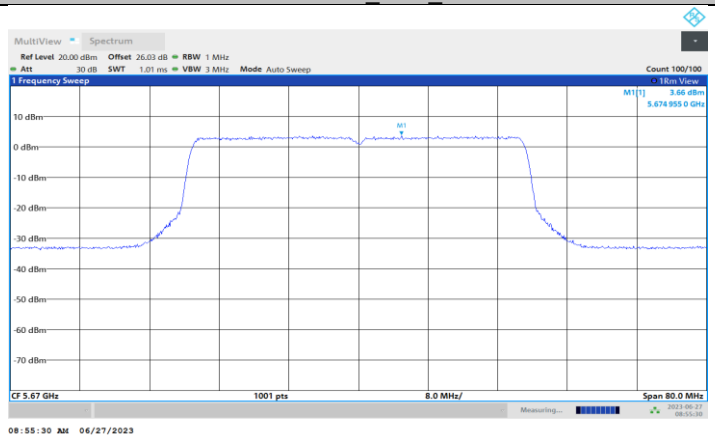

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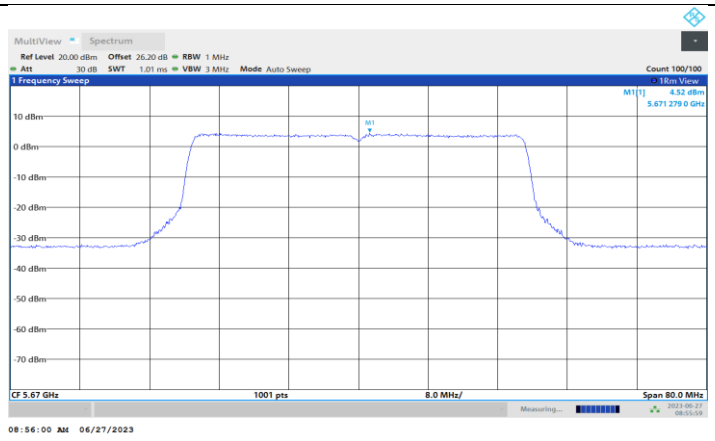
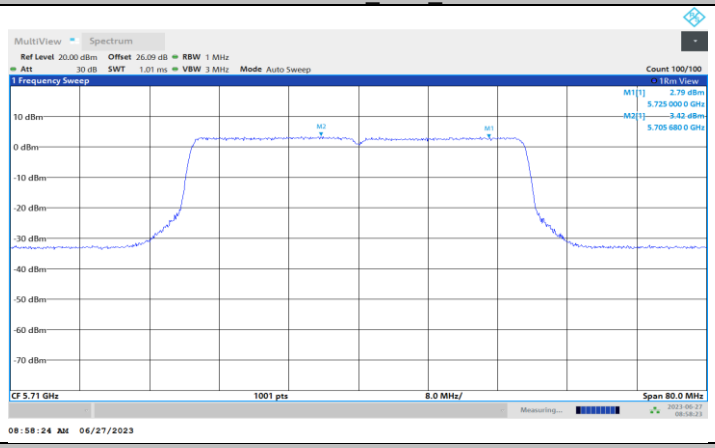
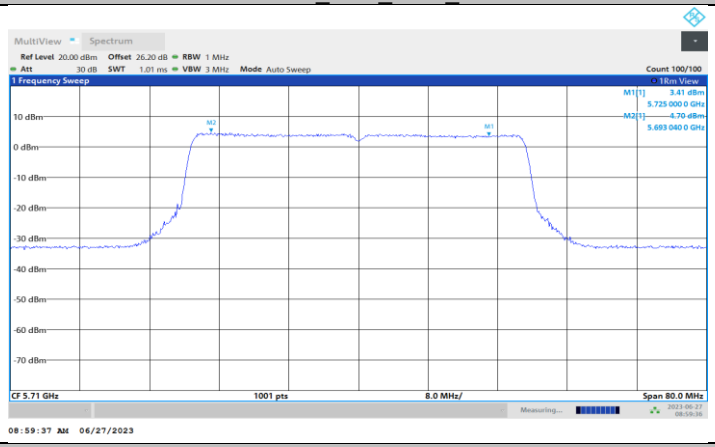


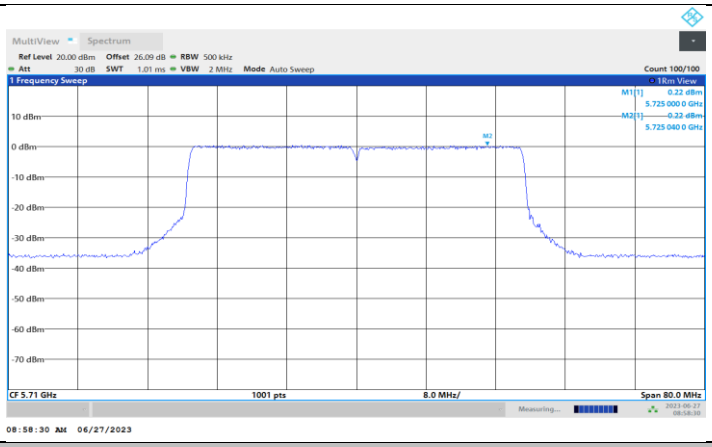
11BE40-CDD_Ant6_5670



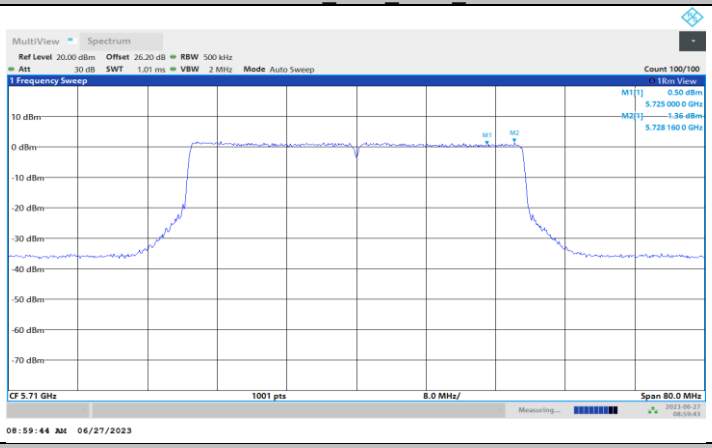
11BE40-CDD_Ant5_5710_UNII-2C



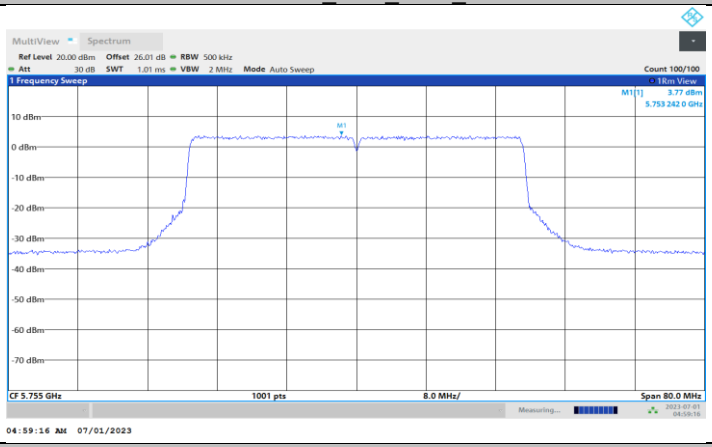
11BE40-CDD_Ant6_5710_UNII-2C



11BE40-CDD_Ant5_5710_UNII-3



11BE40-CDD_Ant6_5710_UNII-3



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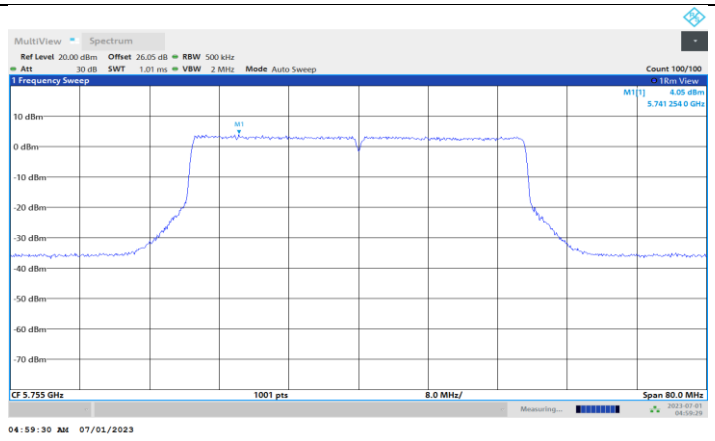
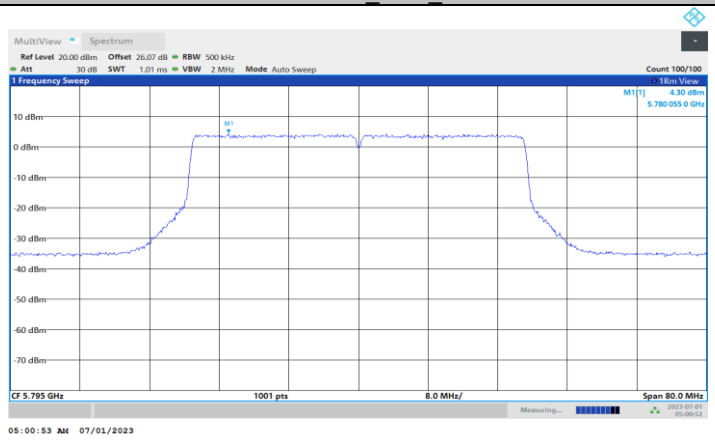


11BE40-CDD_Ant6_5755



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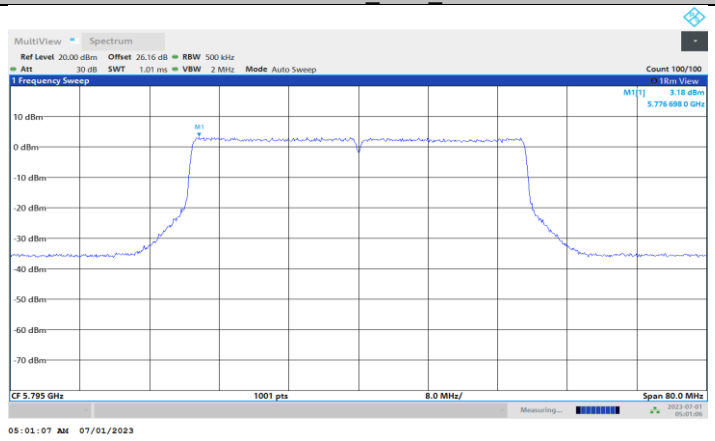
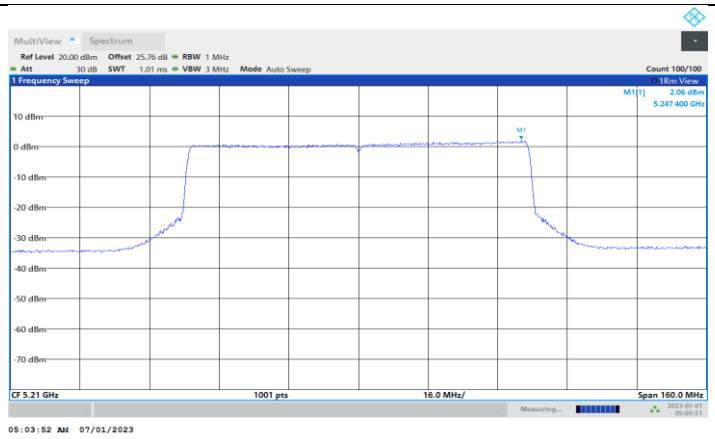
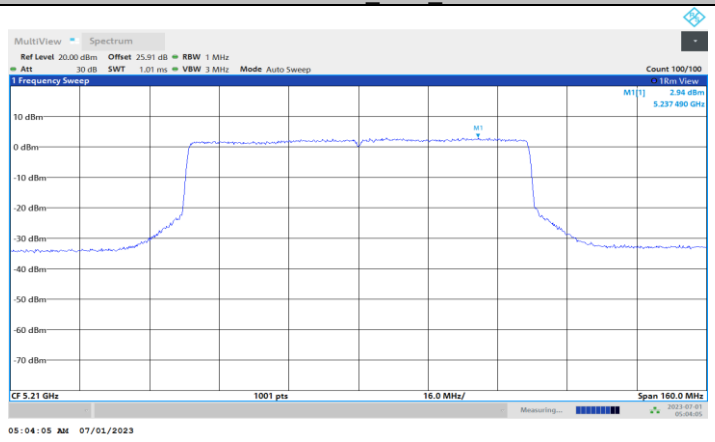


11BE40-CDD_Ant6_5795



11BE80-CDD_Ant5_5210



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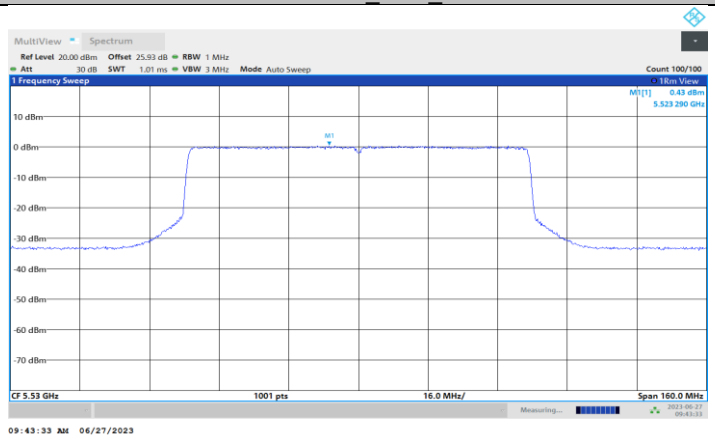

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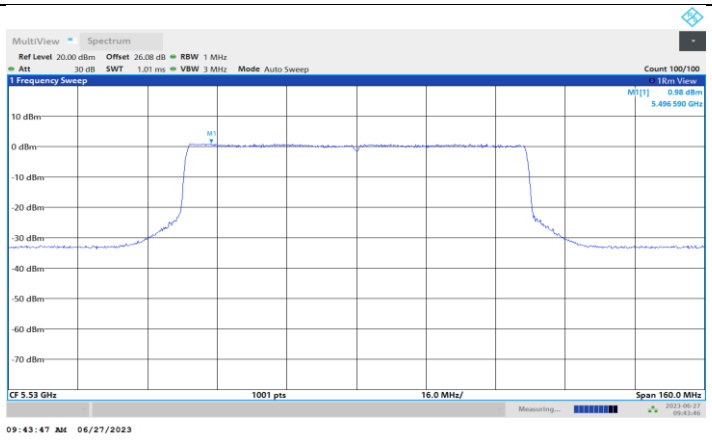

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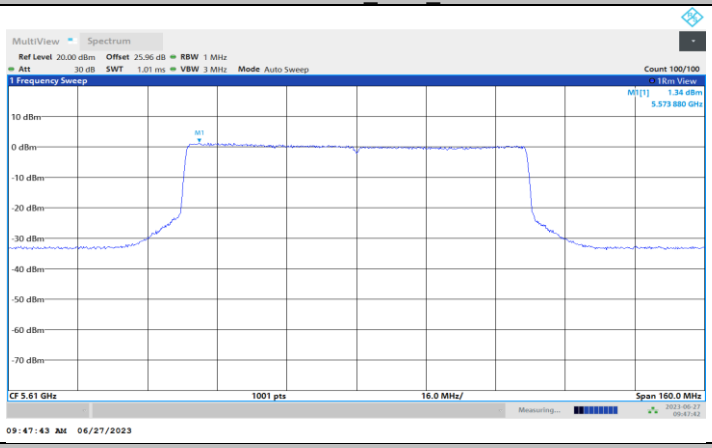

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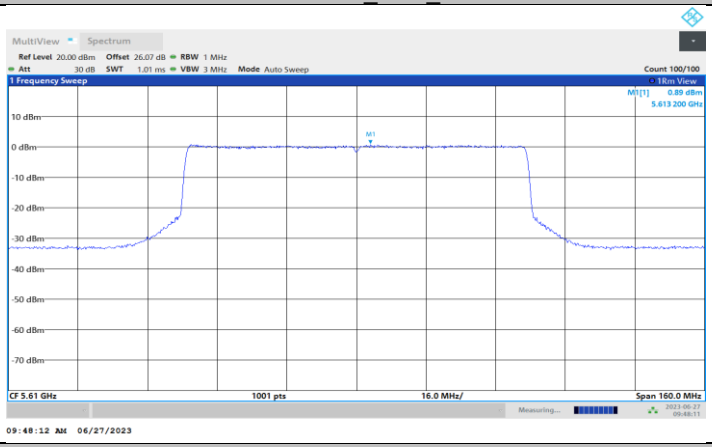

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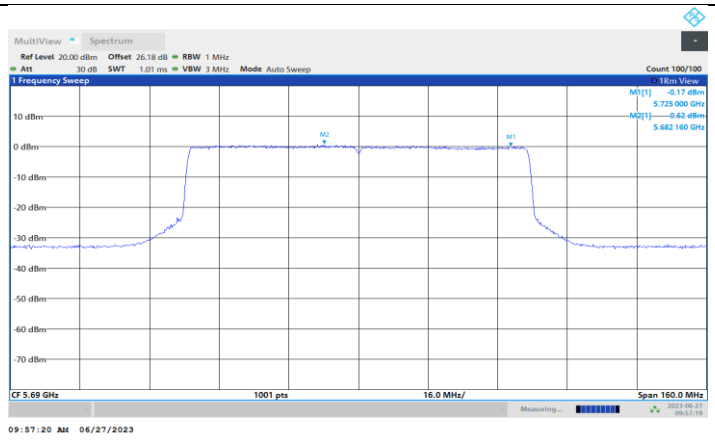
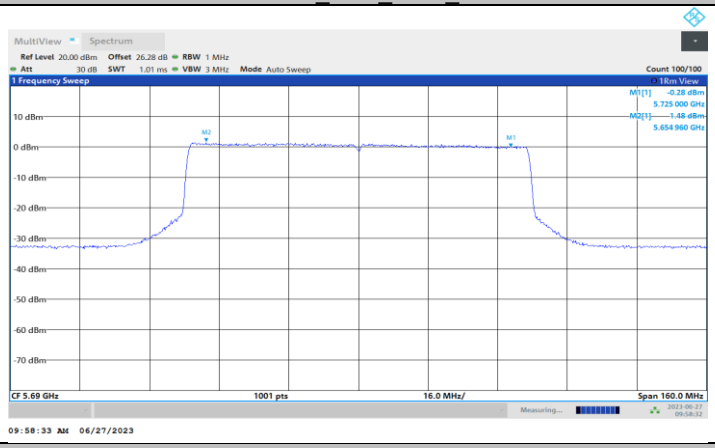
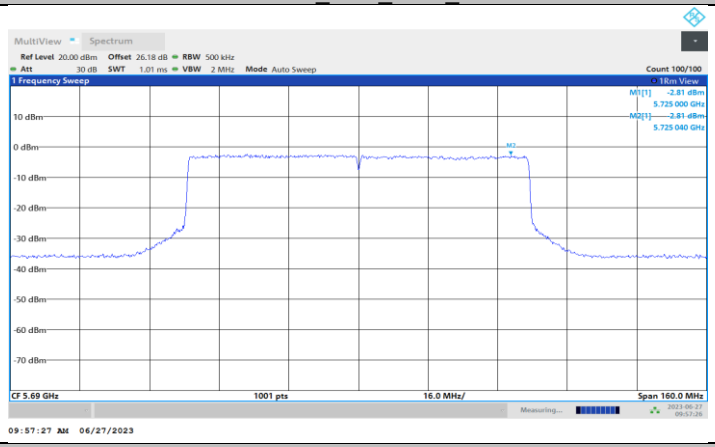


11BE80-CDD_Ant5_5690_UNII-2C



11BE80-CDD_Ant6_5690_UNII-2C



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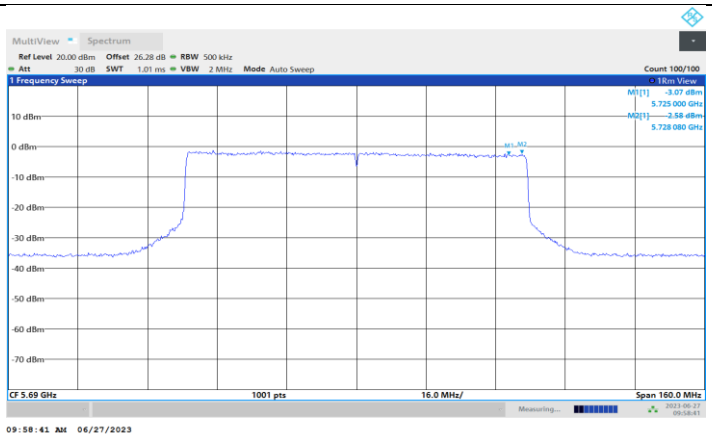
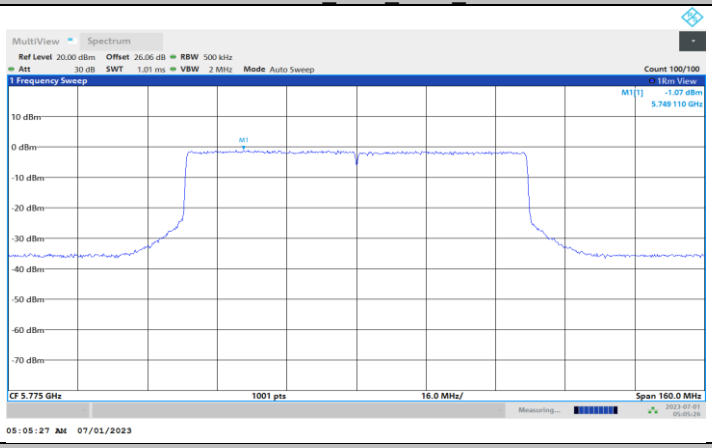
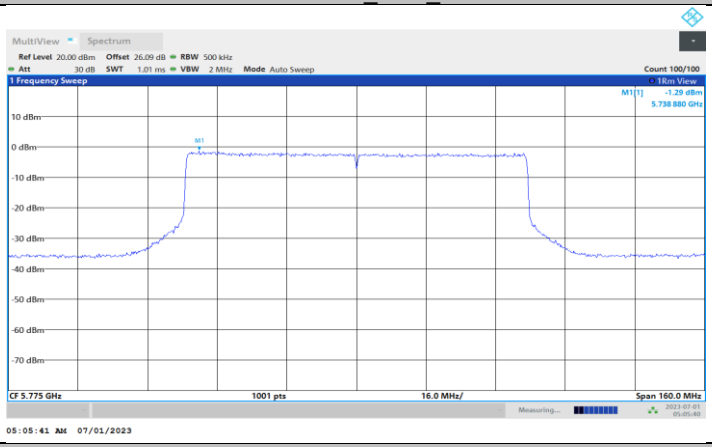


11BE80-CDD_Ant6_5690_UNII-3



11BE80-CDD_Ant5_5775



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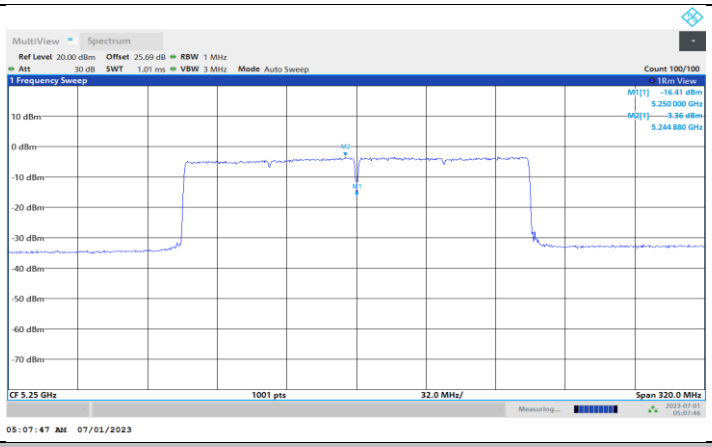
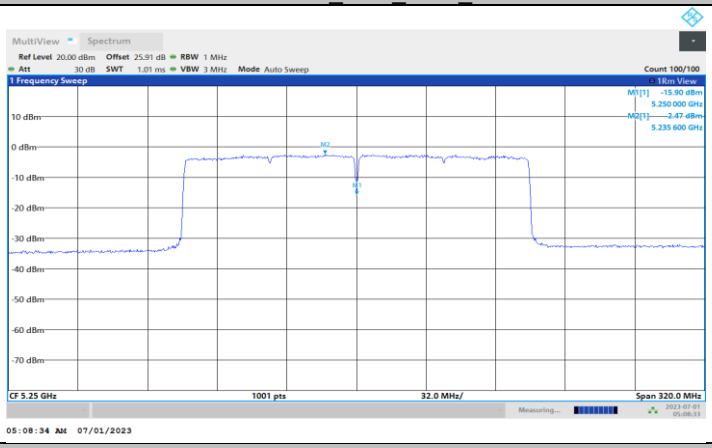
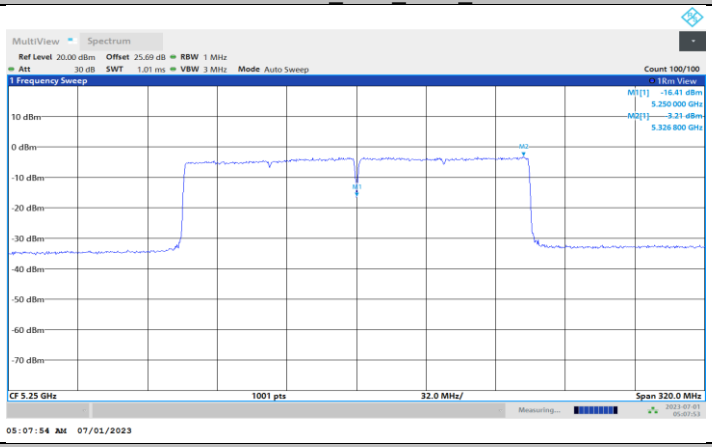


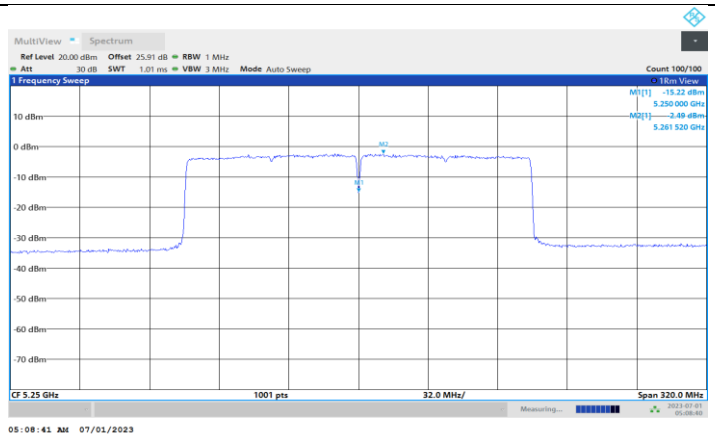
11BE160-CDD_Ant5_5250_UNII-1



11BE160-CDD_Ant6_5250_UNII-1



11BE160-CDD_Ant5_5250_UNII-2A



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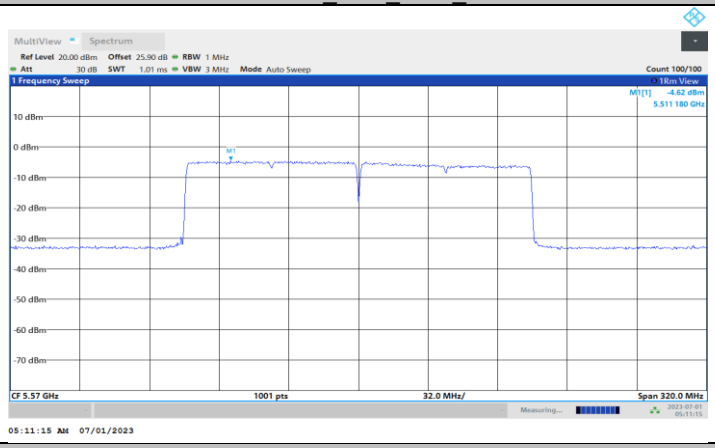
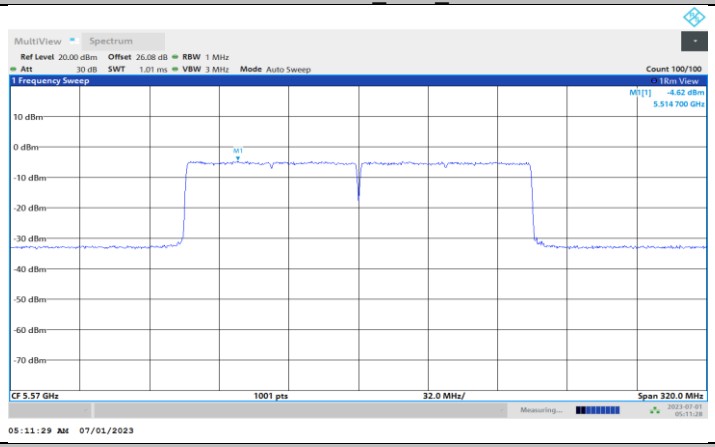
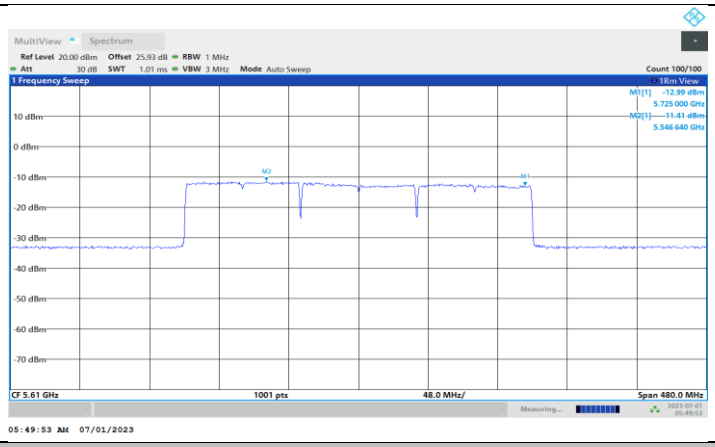


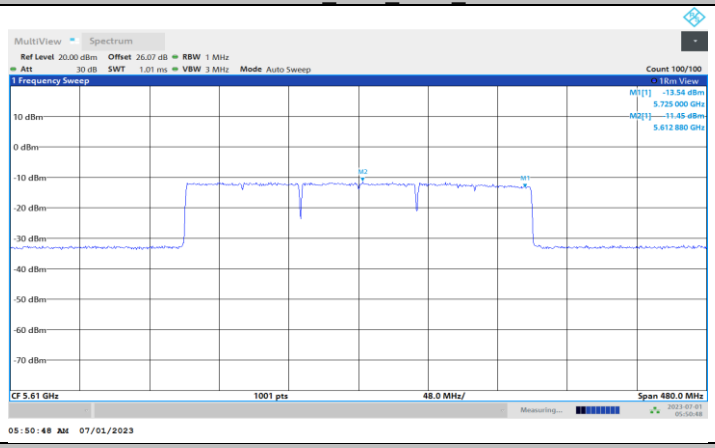
11BE160-CDD_Ant5_5570



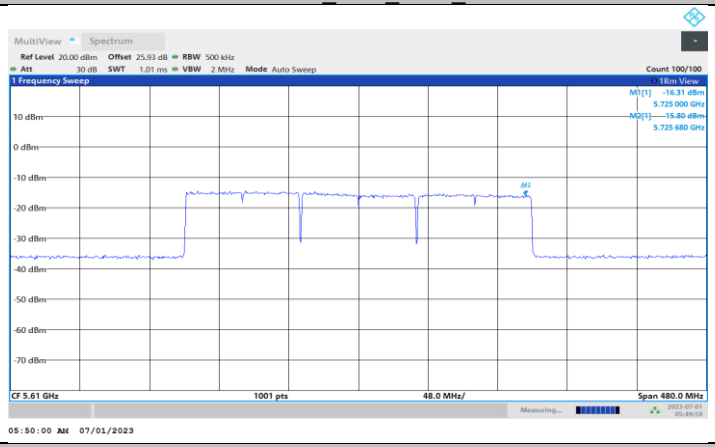
11BE160-CDD_Ant6_5570



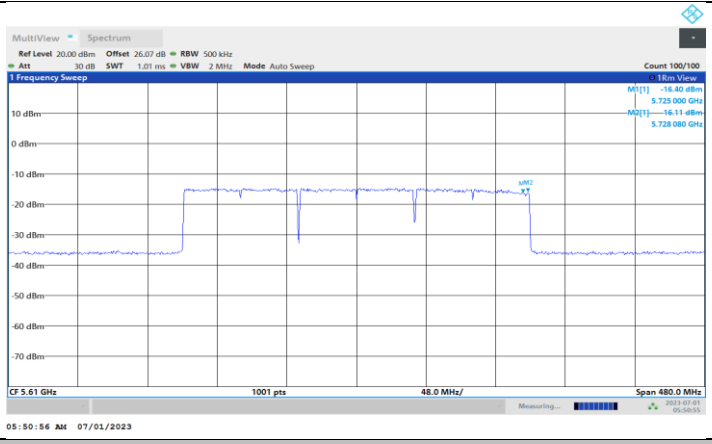
11BE240-CDD_Ant5_5610_UNII-2C



11BE240-CDD_Ant6_5610_UNII-2C



11BE240-CDD_Ant5_5610_UNII-3



11BE240-CDD_Ant6_5610_UNII-3

Note: All the modes had been tested, but only the worst data was recorded in the report.

11.6. APPENDIX G: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a: 5180 MHz									
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	5180.0109	2.10	5180.0187	3.61	5179.9901	-1.91	5180.0237	4.57
TN	VN	5180.0217	4.19	5179.9803	-3.81	5180.0219	4.22	5180.0121	2.34
TN	VH	5180.0101	1.95	5180.0116	2.24	5179.9873	-2.46	5180.0149	2.87
Frequency Error vs. Temperature									
802.11a: 5180 MHz									
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	5179.9835	-3.18	5180.0219	4.22	5180.0221	4.27	5179.9766	-4.51
30	VN	5179.9976	-0.45	5180.0093	1.80	5180.0249	4.81	5180.0057	1.10
20	VN	5180.0194	3.74	5180.0079	1.53	5180.0078	1.51	5180.0245	4.72
10	VN	5180.0122	2.36	5180.0237	4.58	5180.0208	4.01	5180.0204	3.94
0	VN	5180.0111	2.14	5180.0031	0.61	5179.9947	-1.02	5180.0073	1.40

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 10 TEST ENVIRONMENT.

Frequency Error vs. Voltage									
802.11a: 5825 MHz									
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	5825.0024	0.42	5824.9791	-3.59	5824.9790	-3.60	5825.0206	3.54
TN	VN	5825.0044	0.75	5824.9928	-1.23	5825.0132	2.27	5825.0194	3.33
TN	VH	5825.0088	1.51	5825.0030	0.52	5825.0072	1.24	5825.0240	4.12
Frequency Error vs. Temperature									
802.11a: 5825 MHz									
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	5825.0084	1.45	5825.0041	0.70	5825.0187	3.20	5825.0087	1.50
30	VN	5825.0011	0.18	5825.0168	2.89	5824.9760	-4.11	5824.9817	-3.14
20	VN	5824.9900	-1.71	5824.9963	-0.63	5824.9930	-1.21	5825.0223	3.82
10	VN	5824.9761	-4.10	5824.9843	-2.69	5824.9815	-3.17	5825.0117	2.01
0	VN	5825.0202	3.46	5824.9888	-1.92	5825.0064	1.09	5824.9980	-0.34

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 10 TEST ENVIRONMENT.

11.7. APPENDIX H: DUTY CYCLE

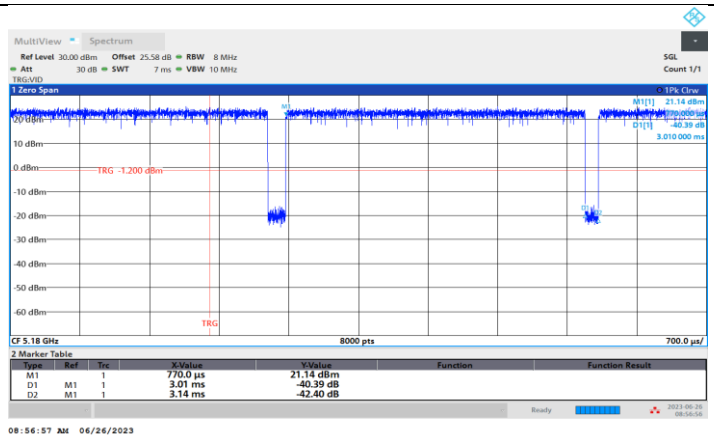
11.7.1. Test Result

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	3.14	0.9586	95.86	0.18	0.33	0.5
11AX20-CDD	3.92	4.00	0.9800	98.00	0.09	0.26	0.01
11AX40-CDD	3.94	4.02	0.9801	98.01	0.09	0.25	0.01
11AX80-CDD	3.98	4.07	0.9779	97.79	0.10	0.25	0.5
11AX160-CDD	3.93	4.01	0.9800	98.00	0.09	0.25	0.01
11BE20-CDD	3.93	4.02	0.9776	97.76	0.10	0.25	0.5
11BE40-CDD	3.95	4.03	0.9801	98.01	0.09	0.25	0.01
11BE80-CDD	3.99	4.11	0.9708	97.08	0.13	0.25	0.5
11BE160-CDD	3.89	3.97	0.9798	97.98	0.09	0.26	0.5
11BE240-CDD	3.49	3.57	0.9776	97.76	0.10	0.29	0.5

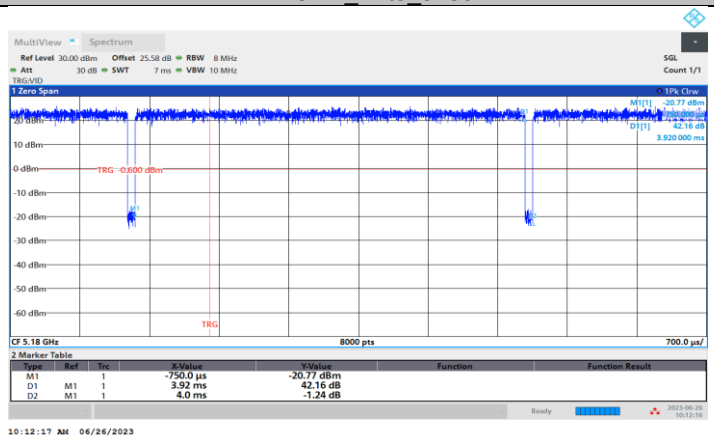
Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

Note: All the modes had been tested, but only the worst data was recorded in the report.

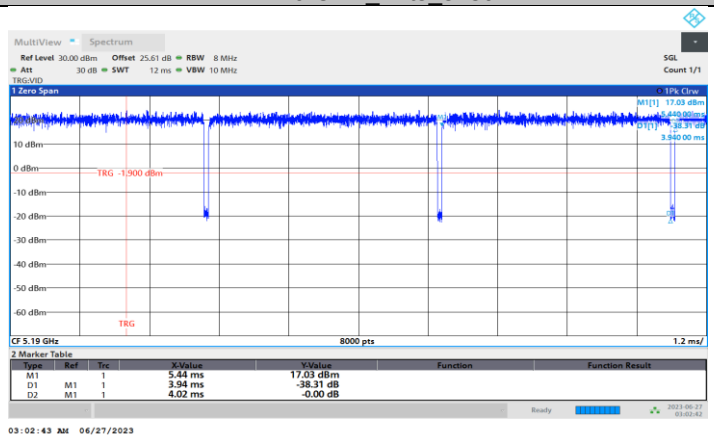
11.7.2. Test Graphs



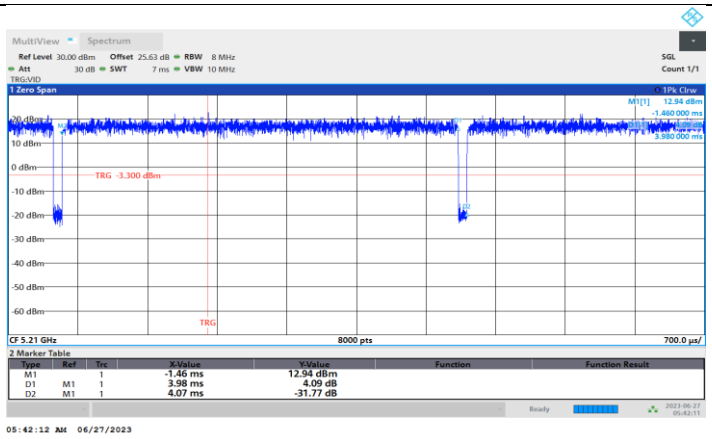
11A-CDD_Ant5_5180



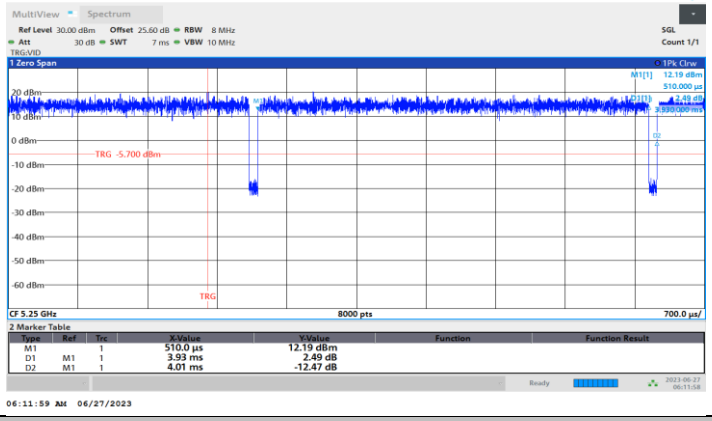
11AX20-CDD_Ant5_5180



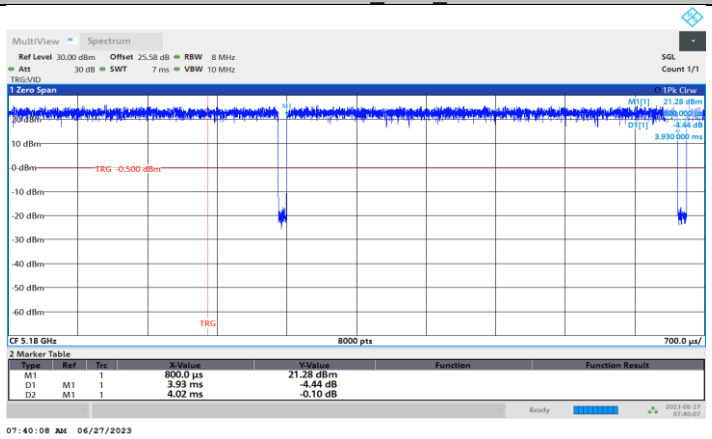
11AX40-CDD_Ant5_5190



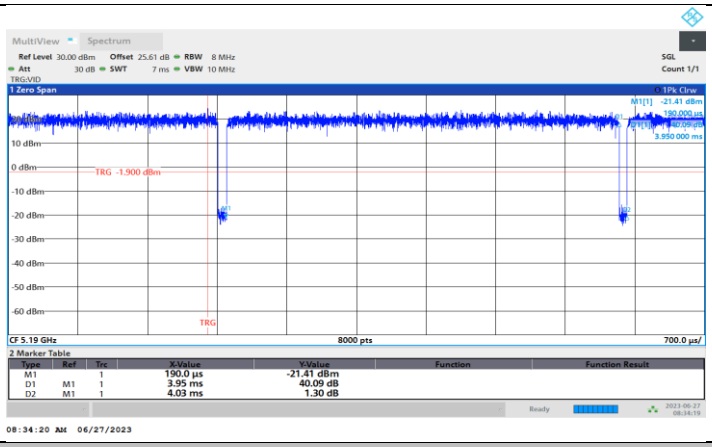
11AX80-CDD_Ant5_5210



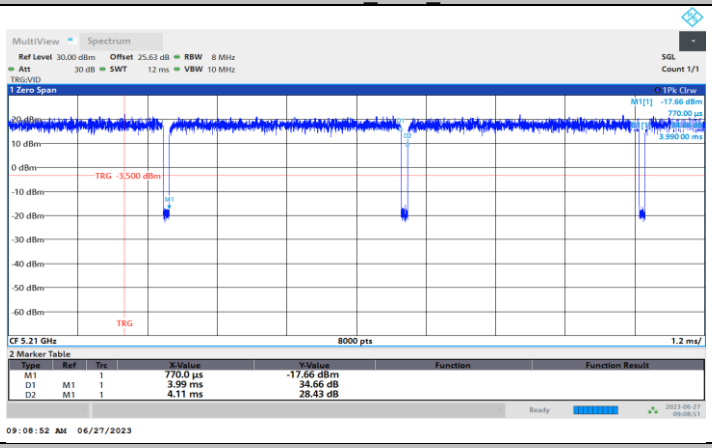
11AX160-CDD_Ant5_5250



11BE20-CDD_Ant5_5180



11BE40-CDD_Ant5_5190



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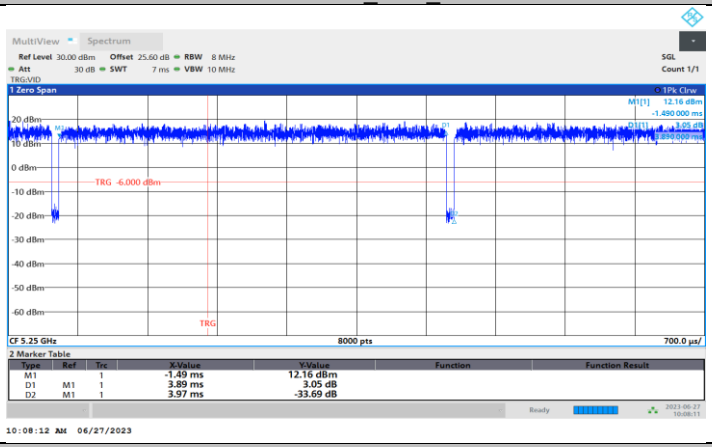

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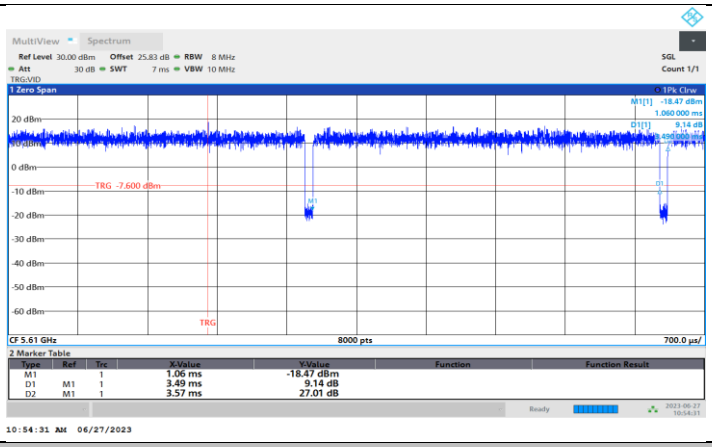

11BE240-CDD_Ant5_5610

END OF REPORT