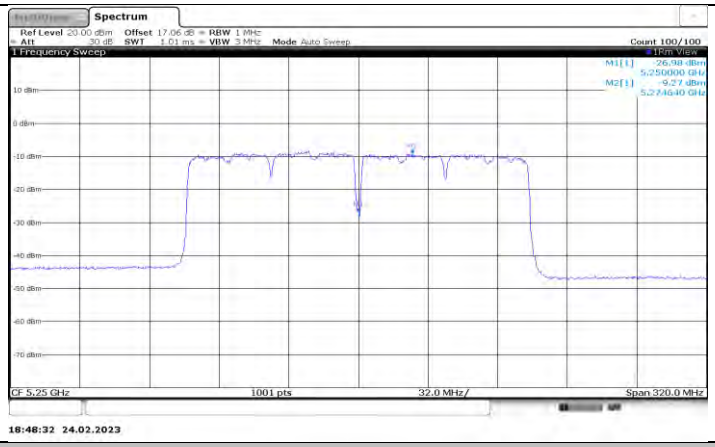
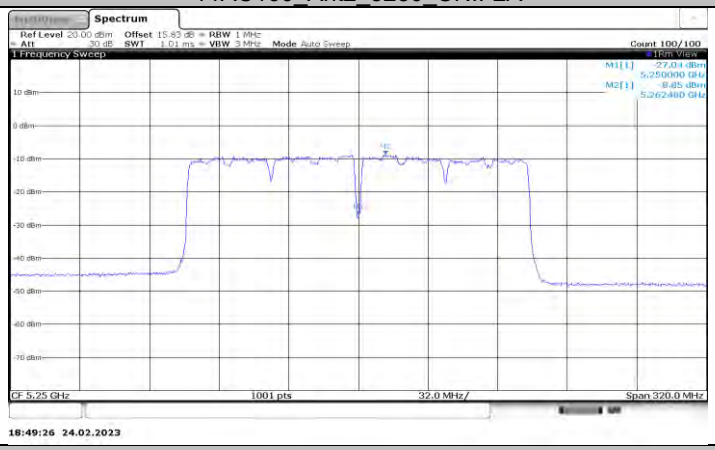
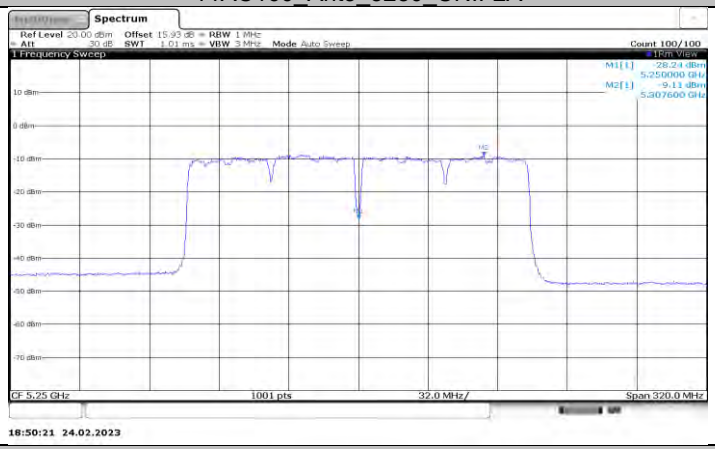


11AC160_Ant2_5250_UNII-2A



11AC160_Ant3_5250_UNII-2A



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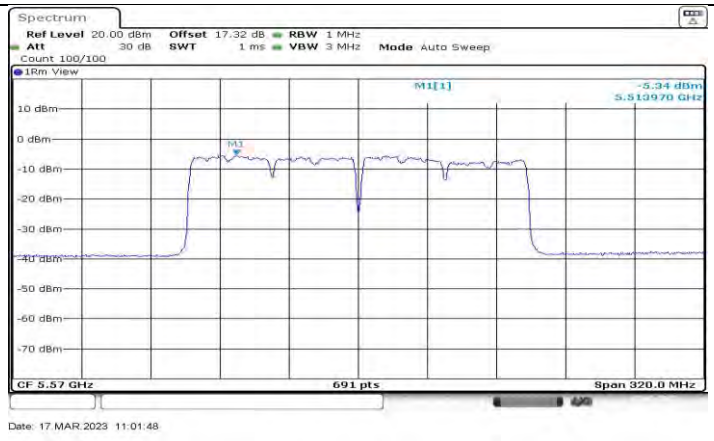

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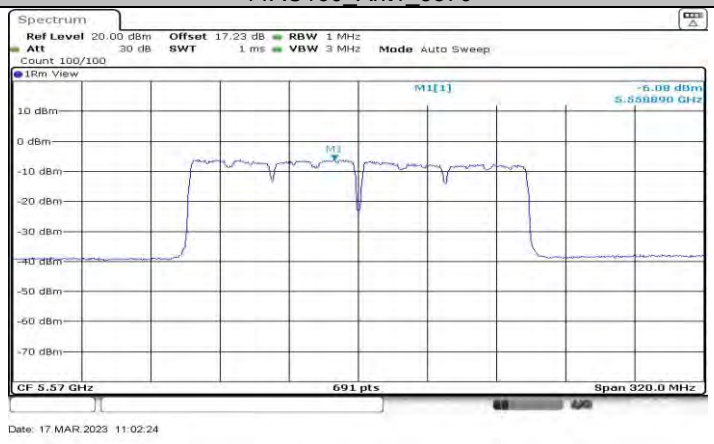

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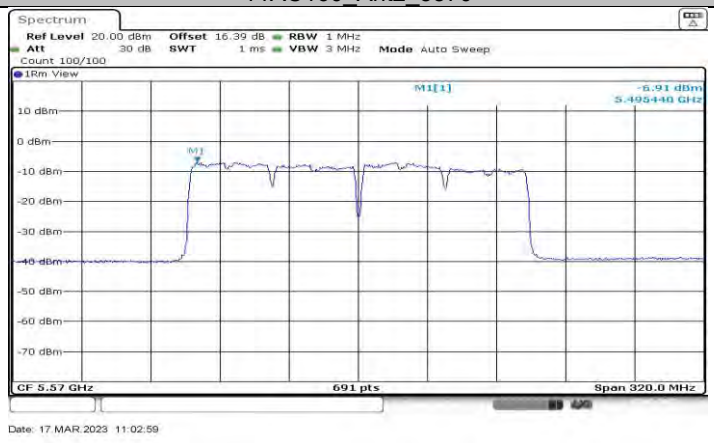

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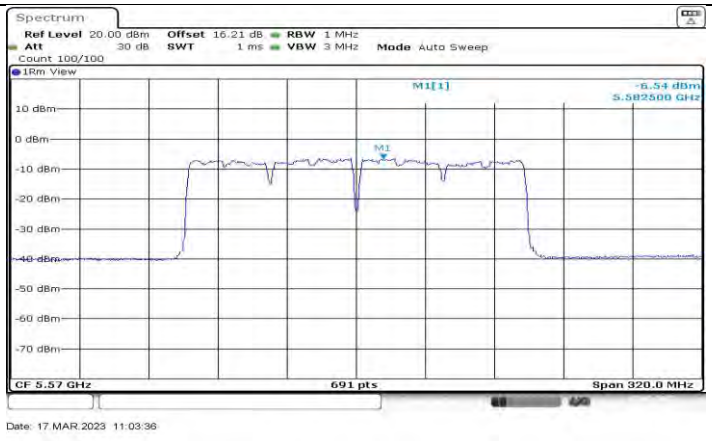

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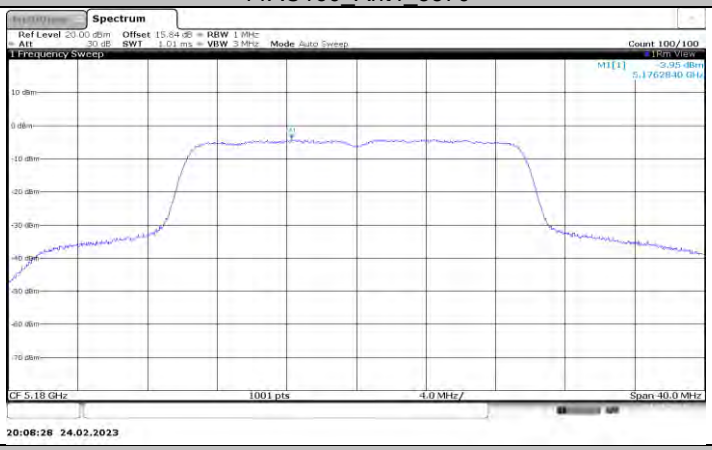

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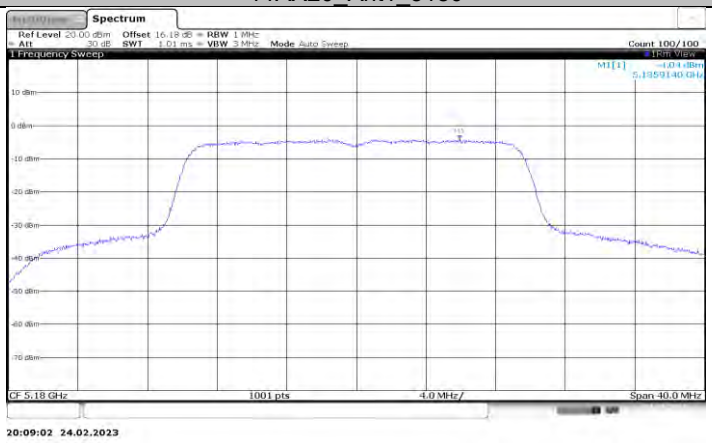

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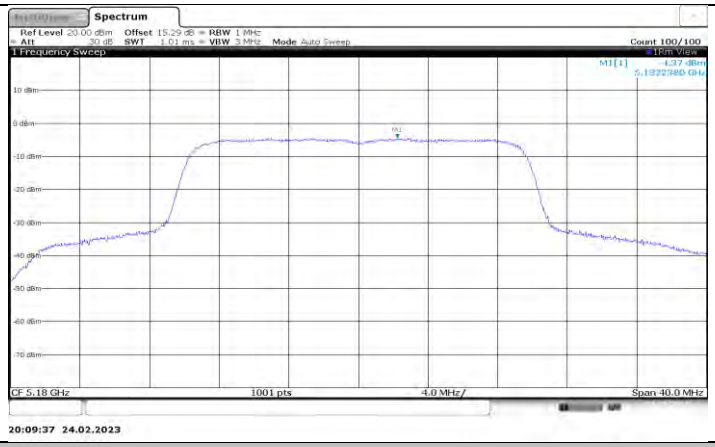

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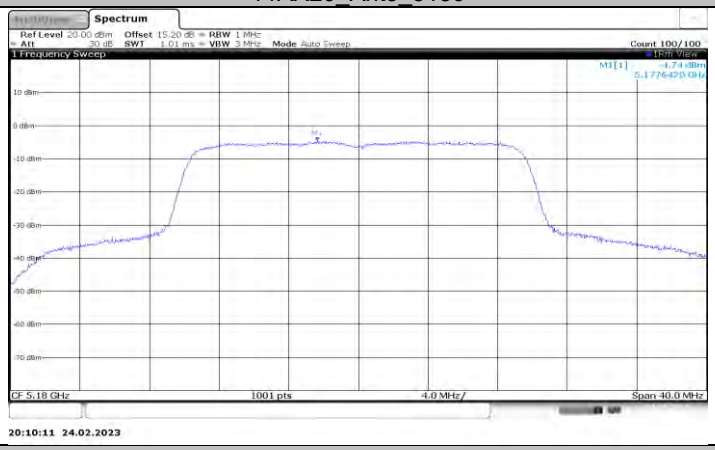

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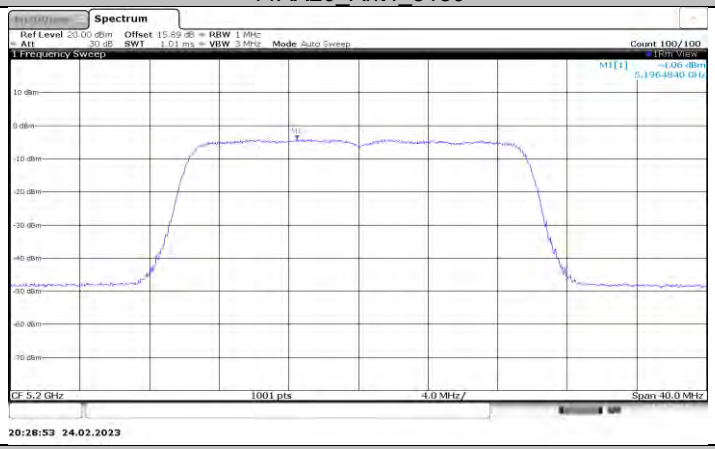

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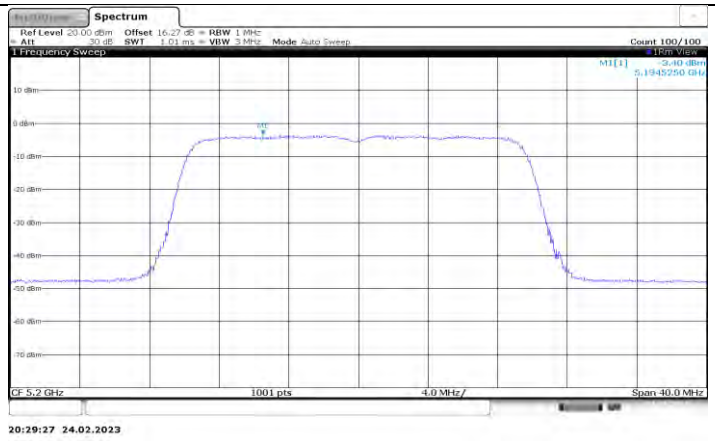

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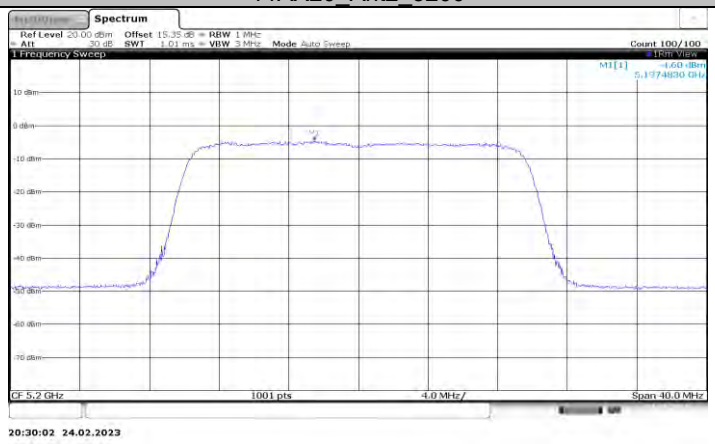

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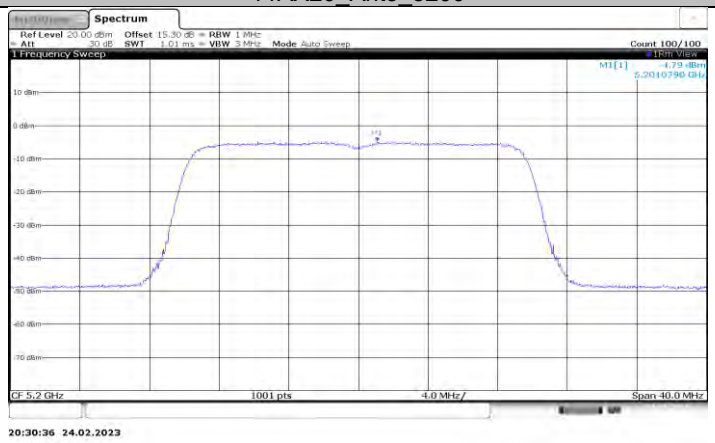

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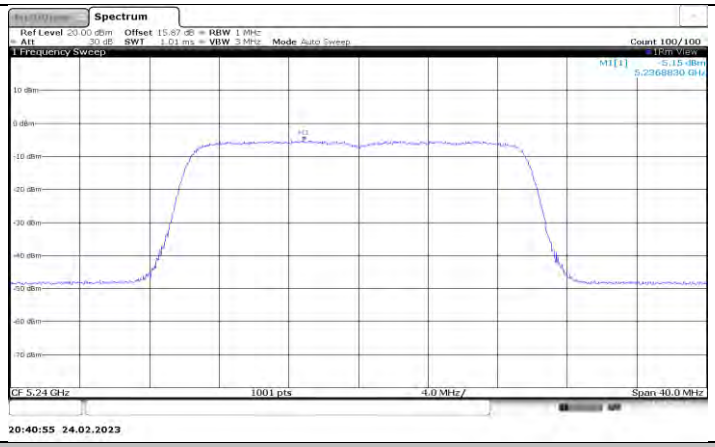

11AX20_Ant1_5240

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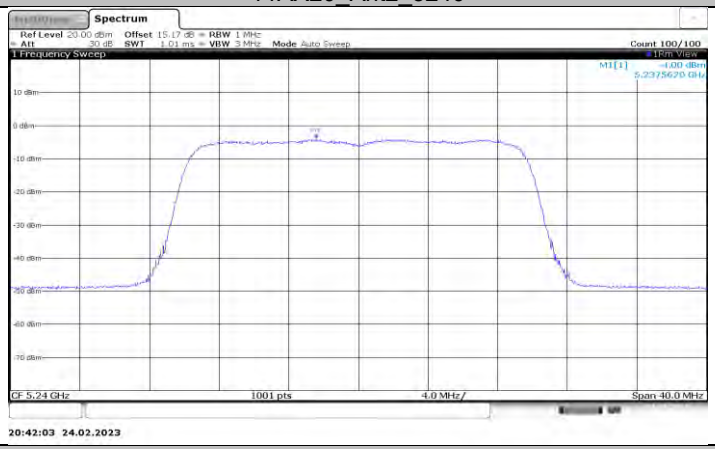

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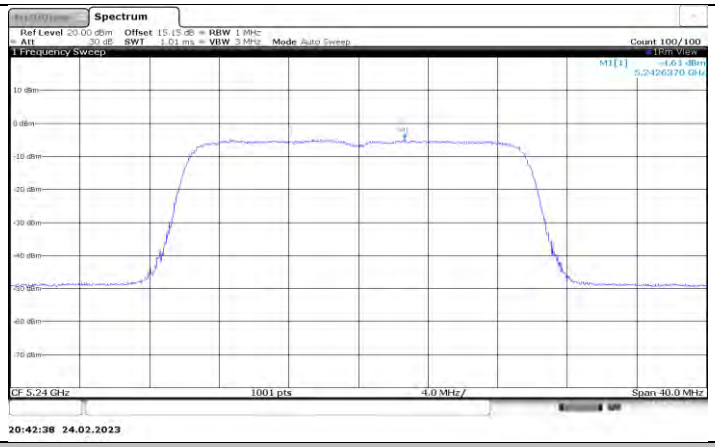

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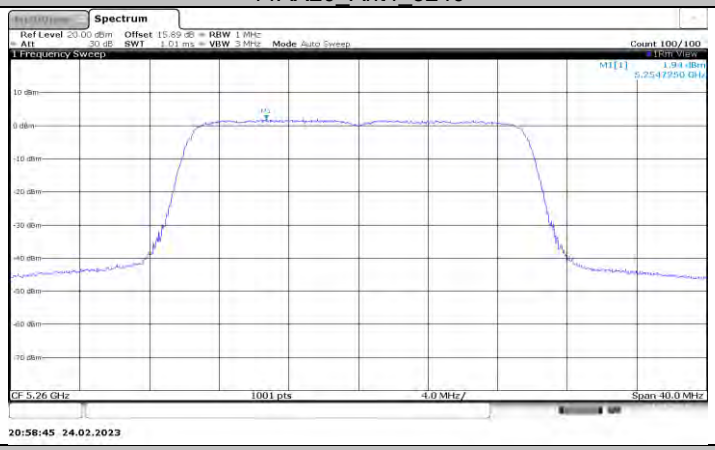
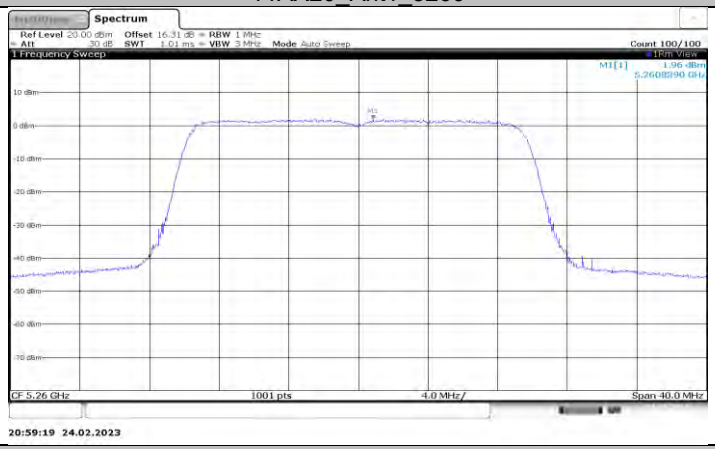


11AX20_Ant1_5260



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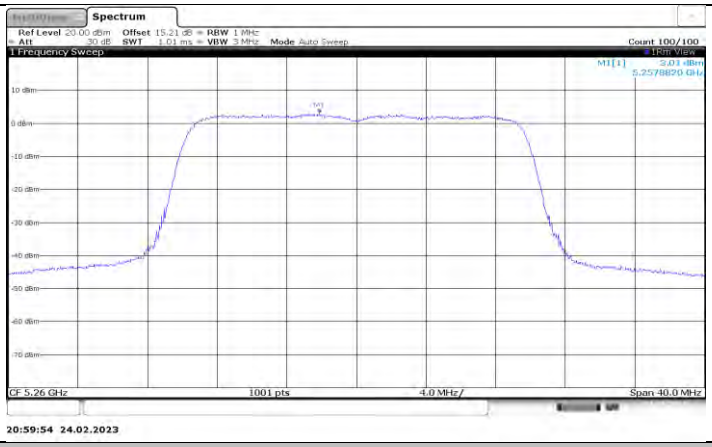
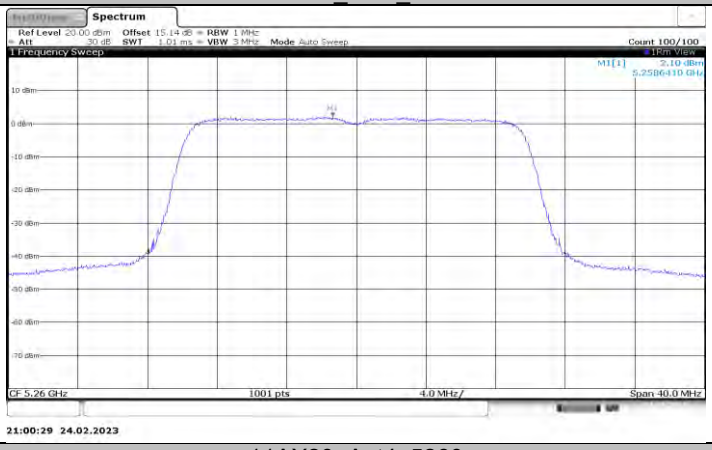


11AX20_Ant3_5260



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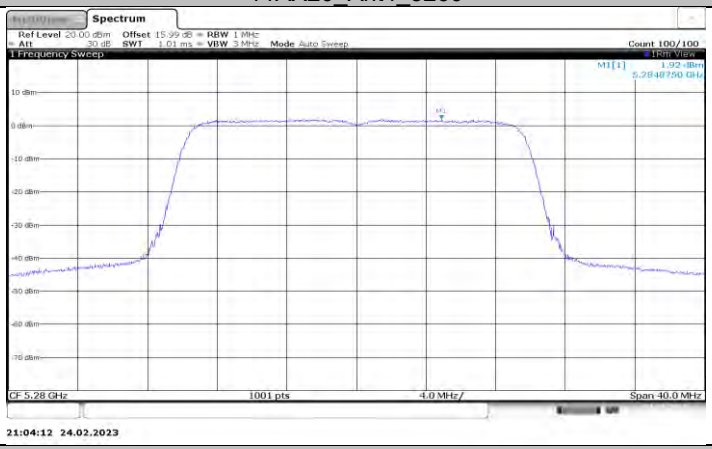

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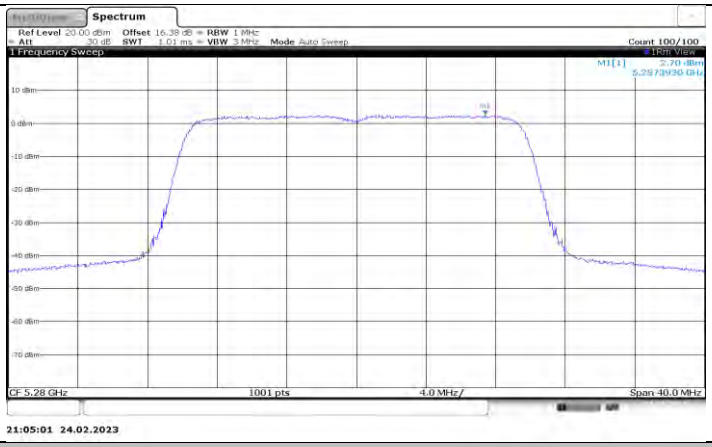

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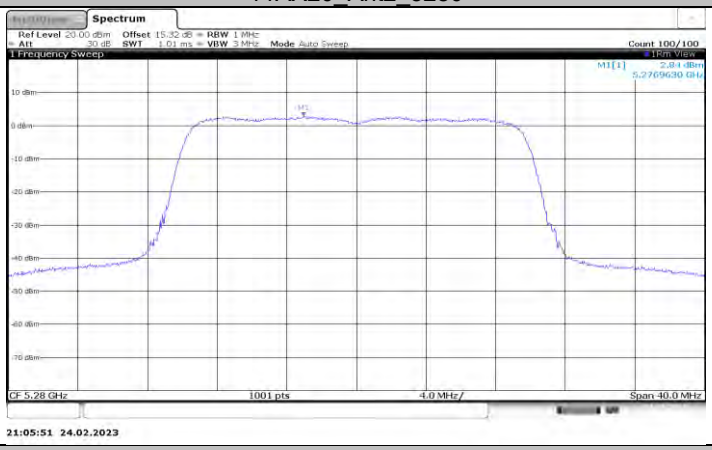

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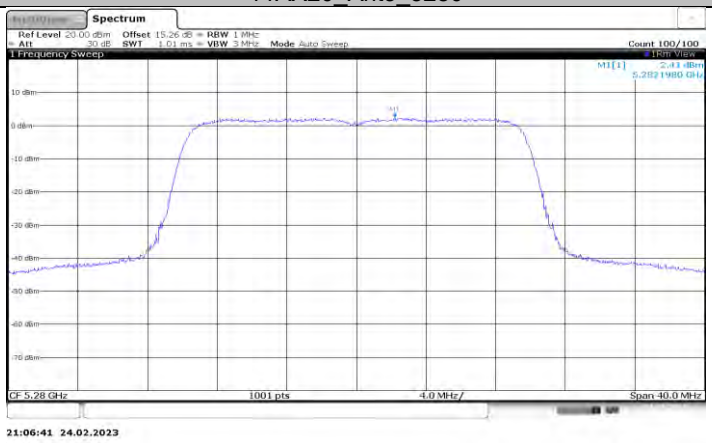

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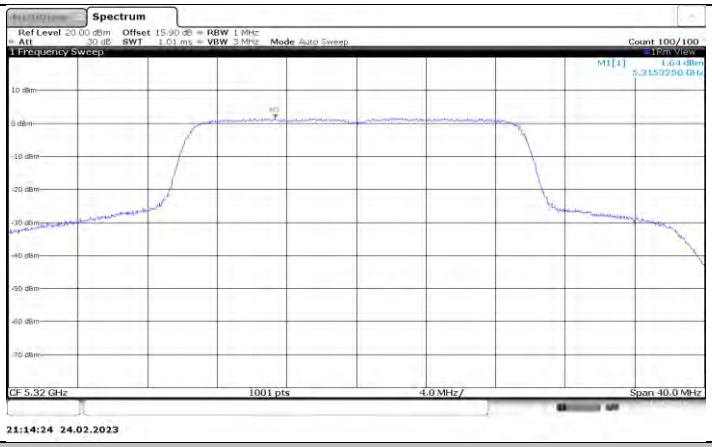

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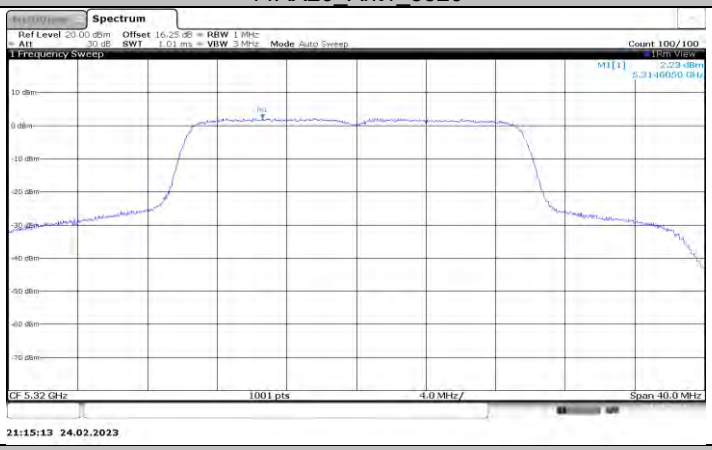

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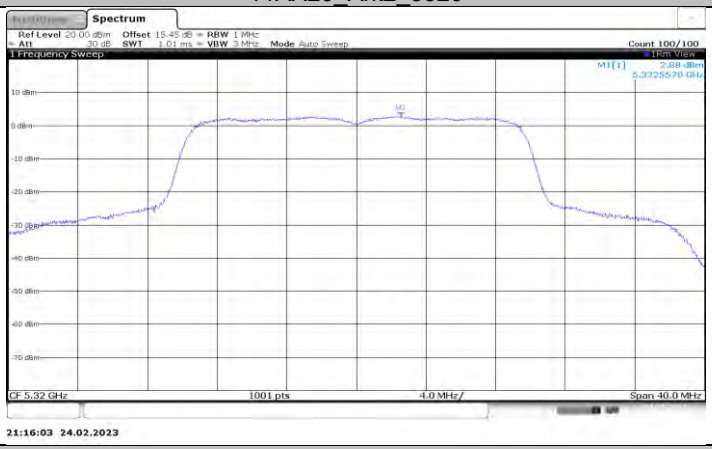

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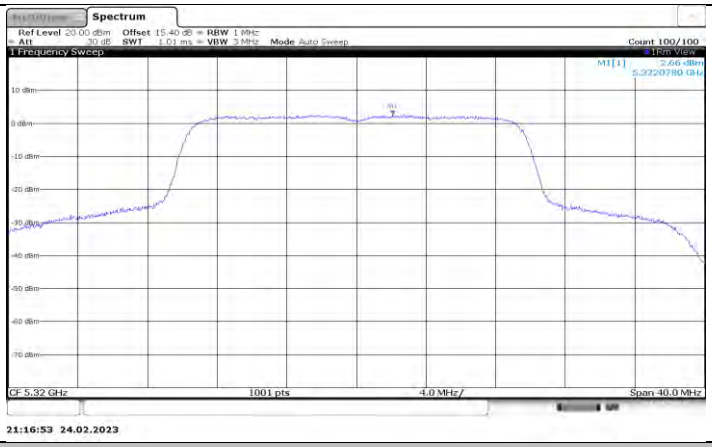

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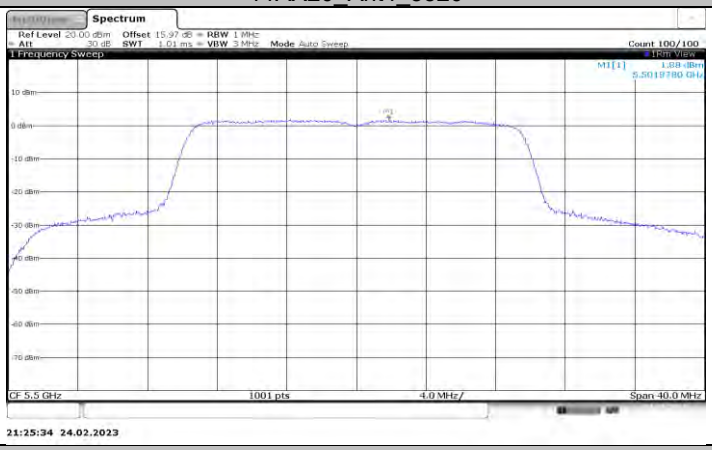

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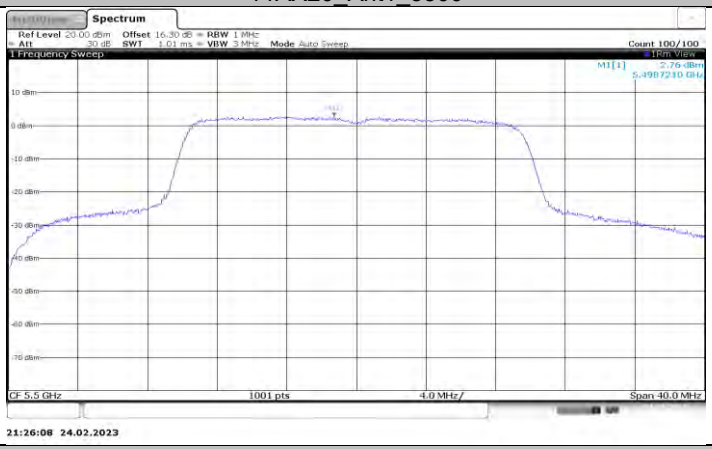

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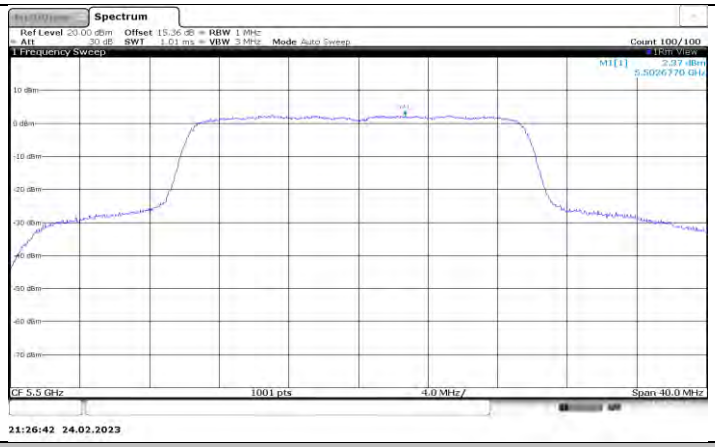

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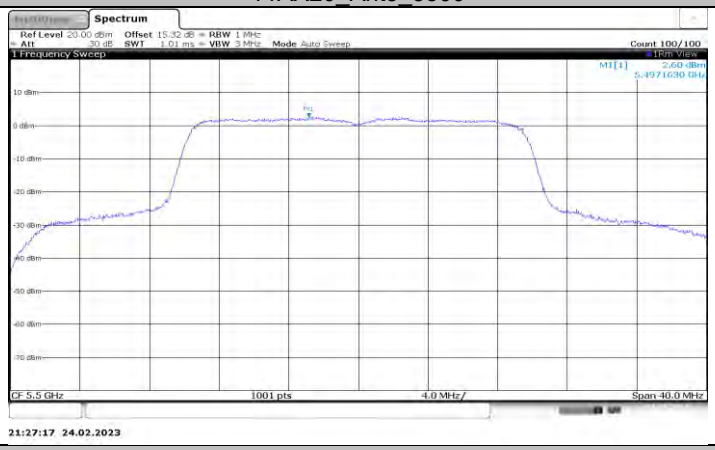

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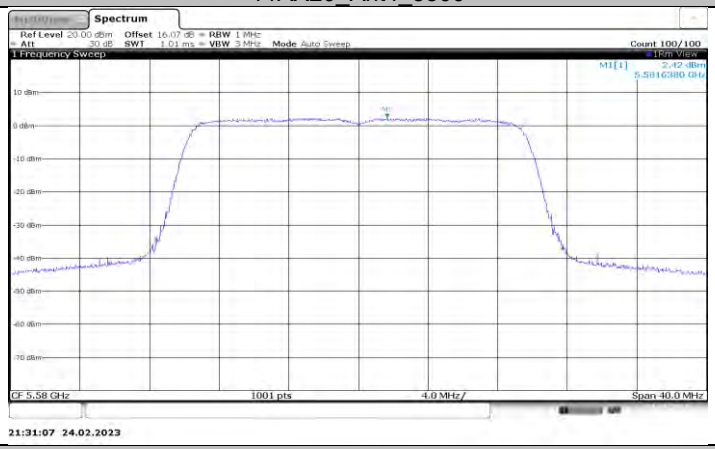

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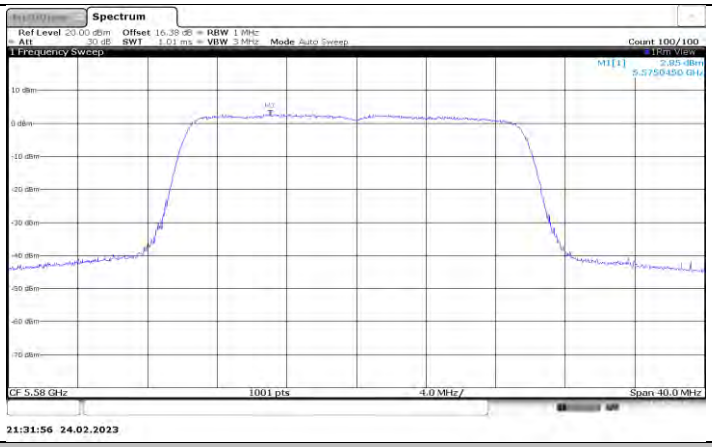

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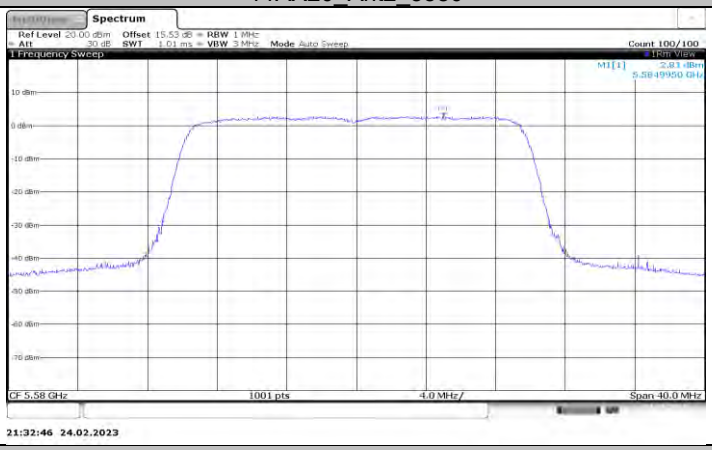

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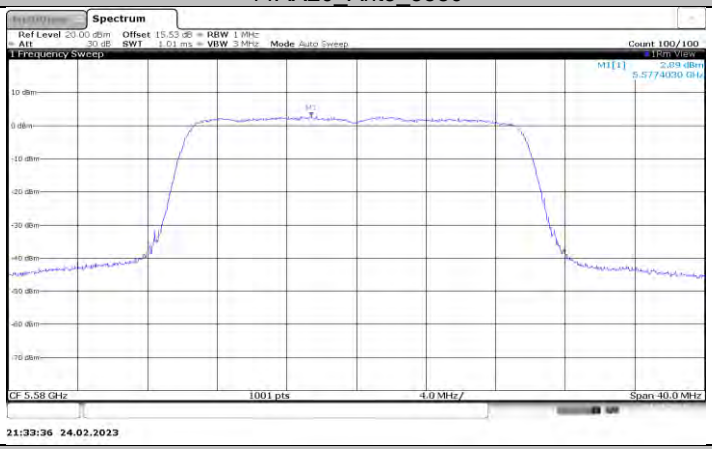

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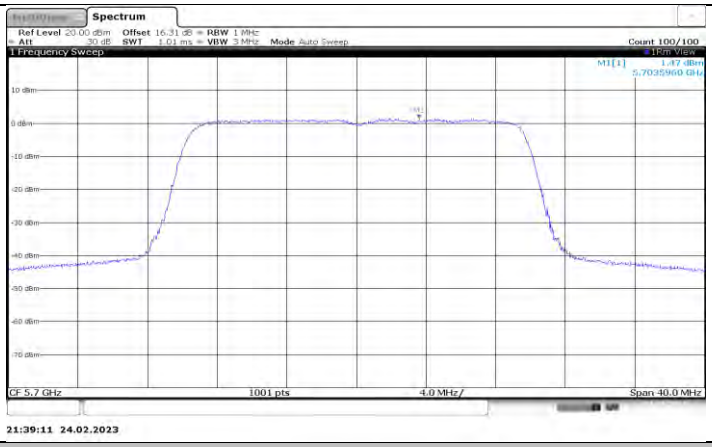

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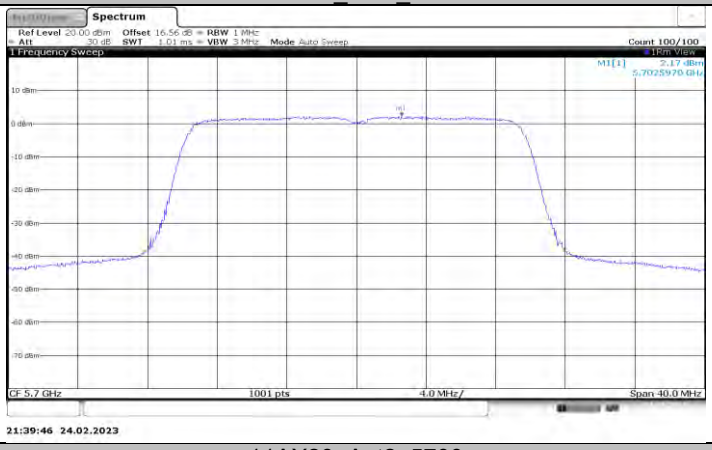

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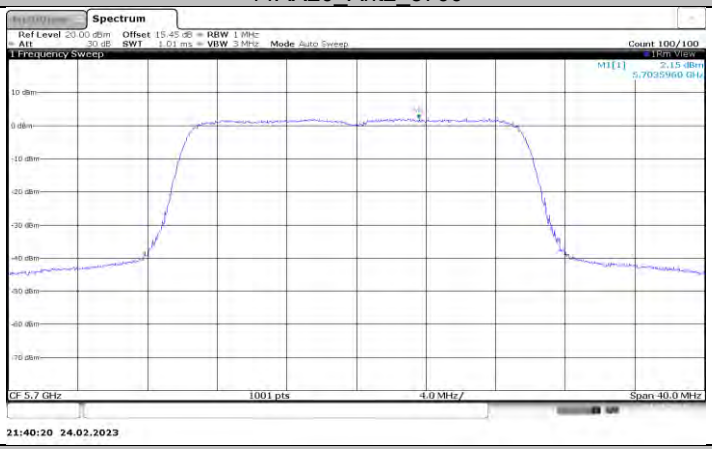

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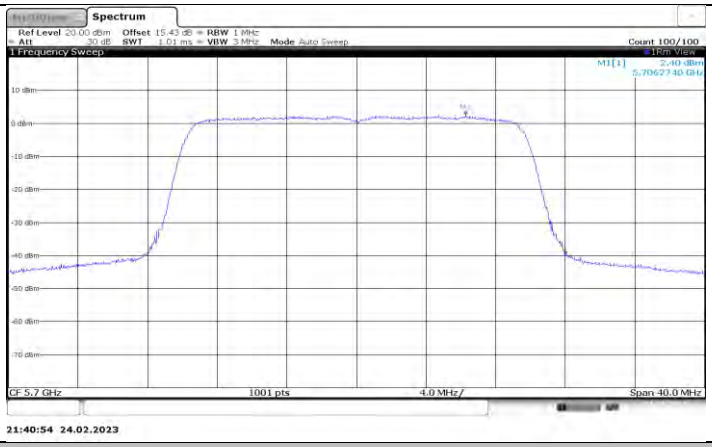

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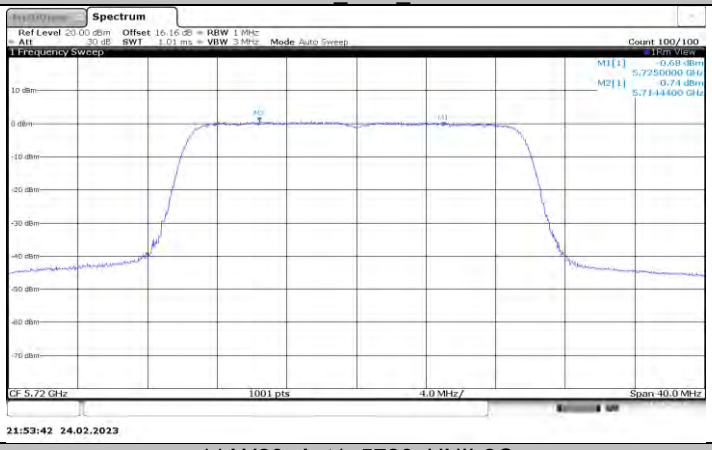
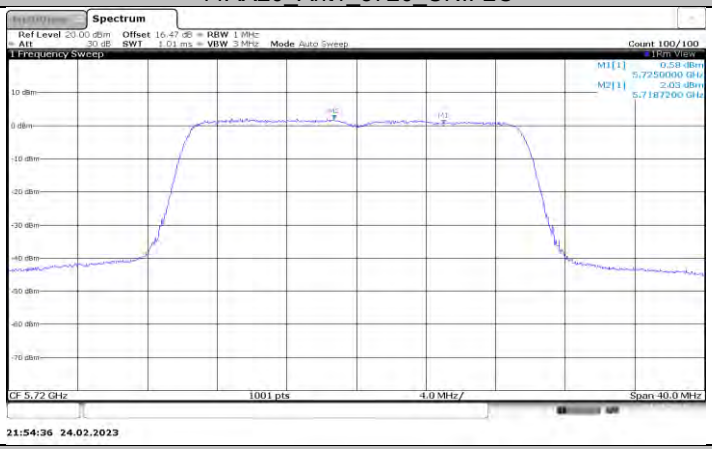


11AX20_Ant1_5720_UNII-2C



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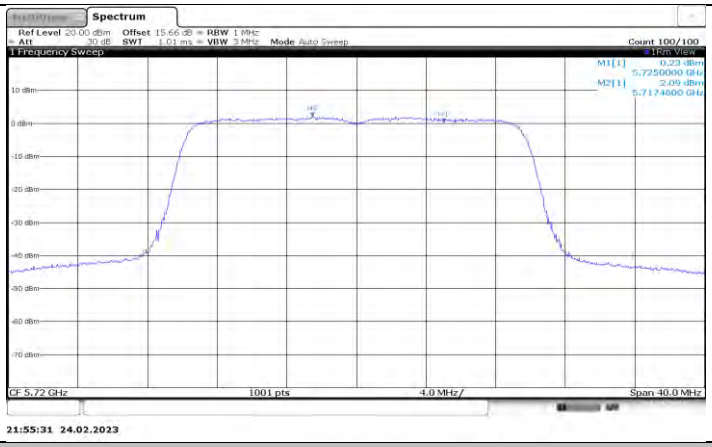

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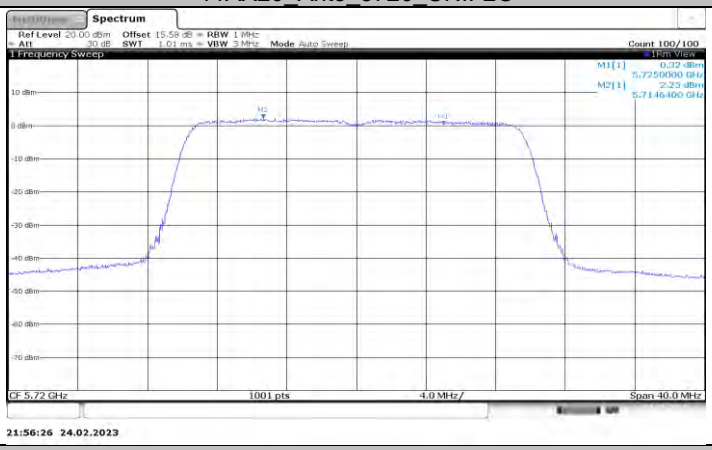

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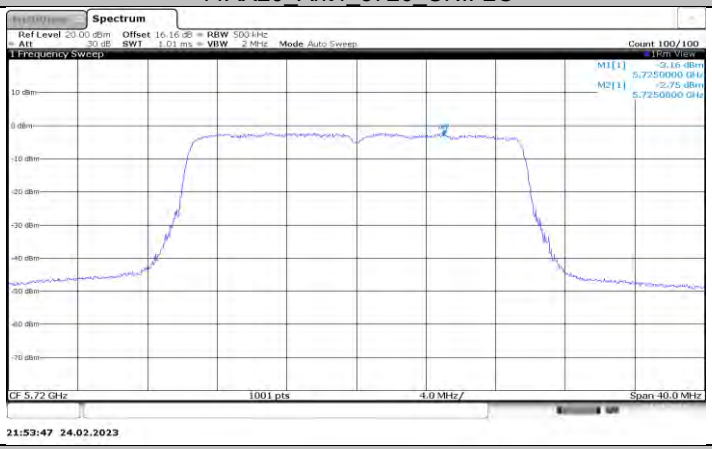
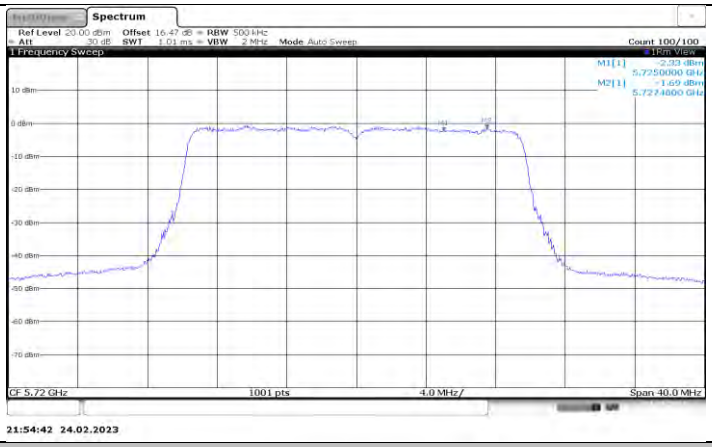


11AX20_Ant1_5720_UNII-3



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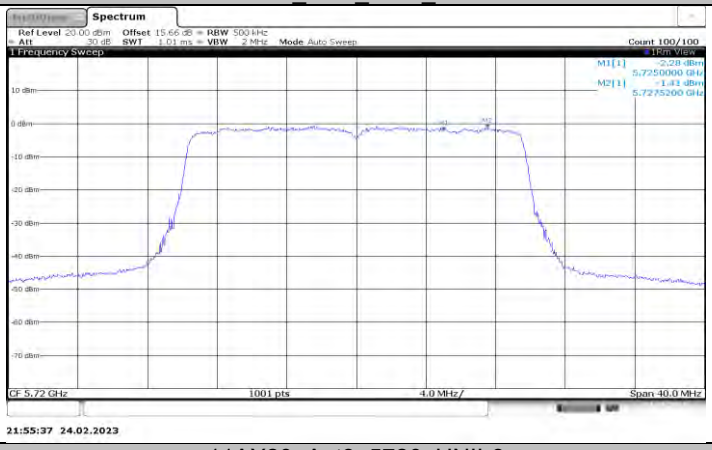
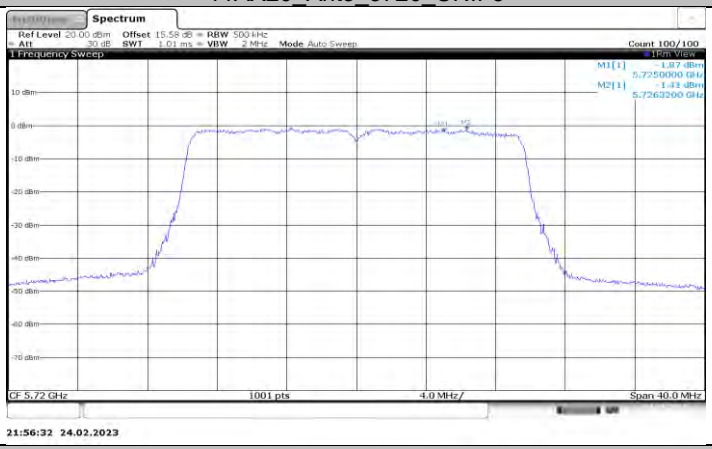
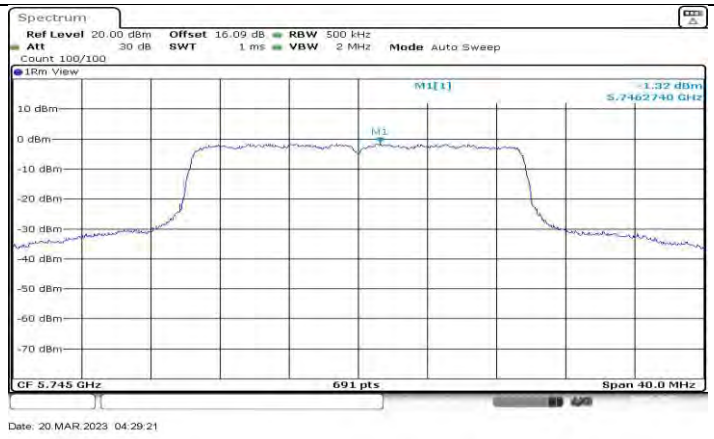


11AX20_Ant3_5720_UNII-3

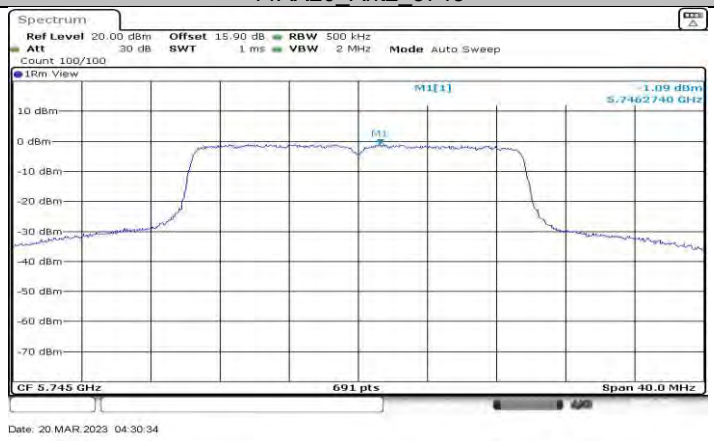


11AX20_Ant4_5720_UNII-3



11AX20_Ant1_5745

11AX20_Ant2_5745



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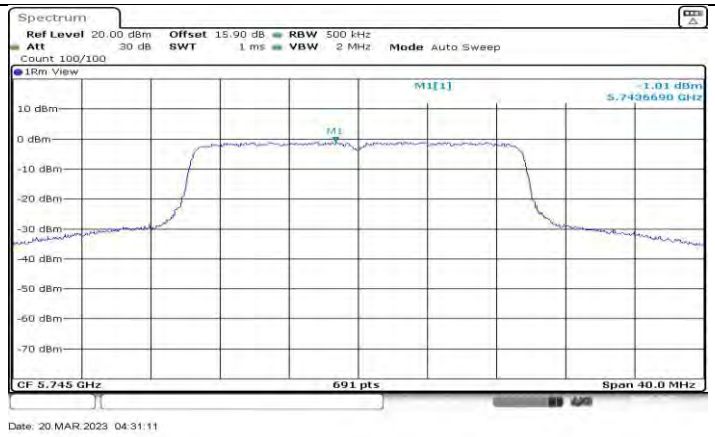
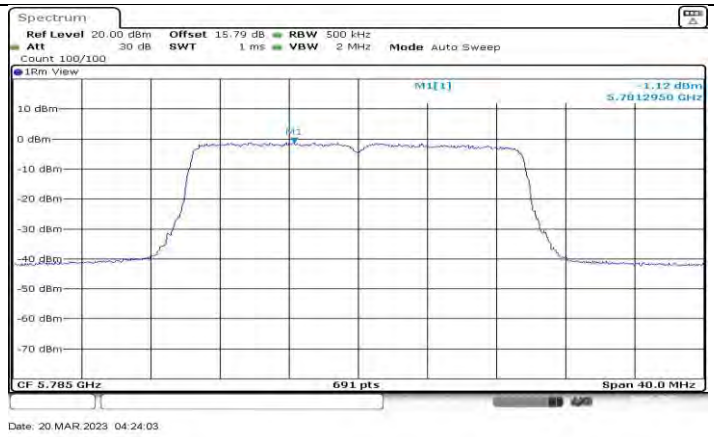


11AX20_Ant4_5745

11AX20_Ant1_5785

11AX20_Ant2_5785



11AX20_Ant3_5785

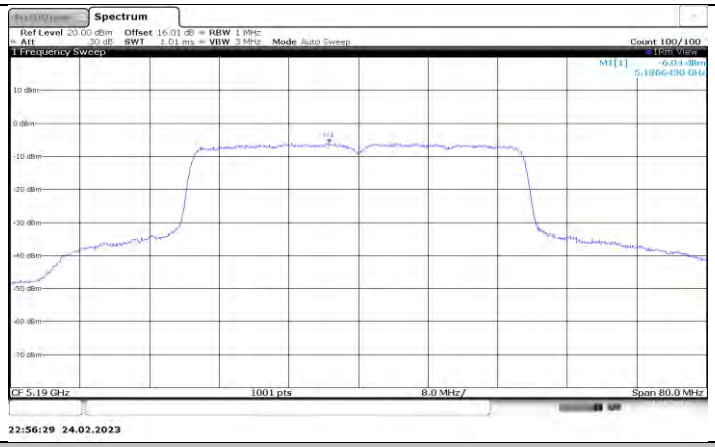
11AX20_Ant4_5785

11AX20_Ant1_5825

11AX20_Ant2_5825

11AX20_Ant3_5825

11AX20_Ant4_5825



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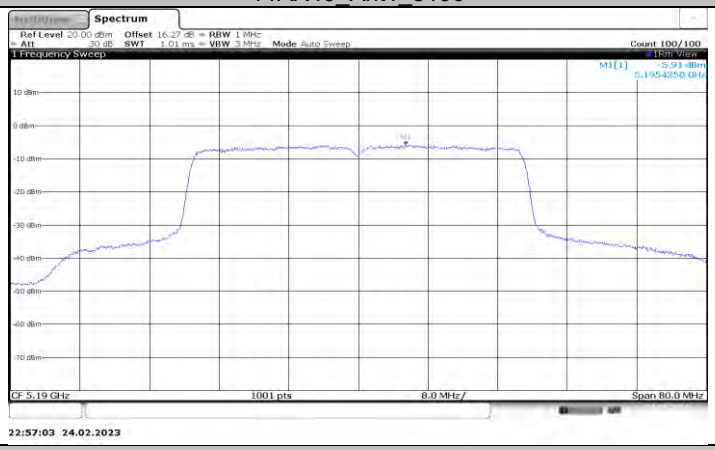

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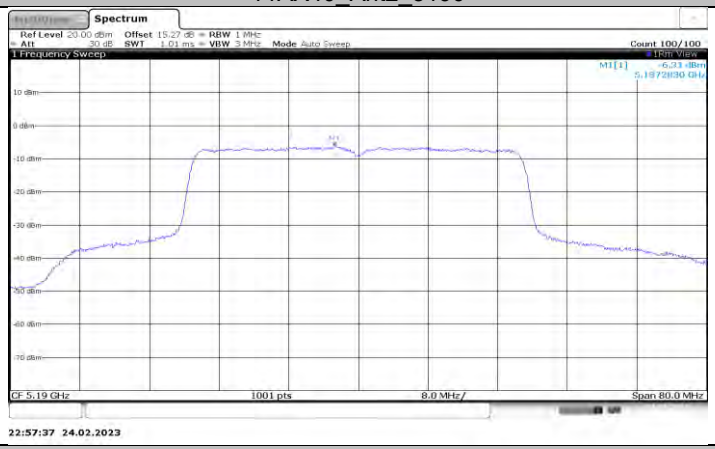

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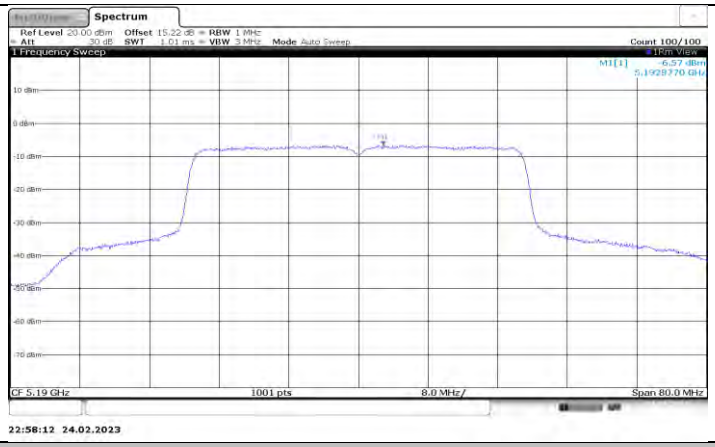

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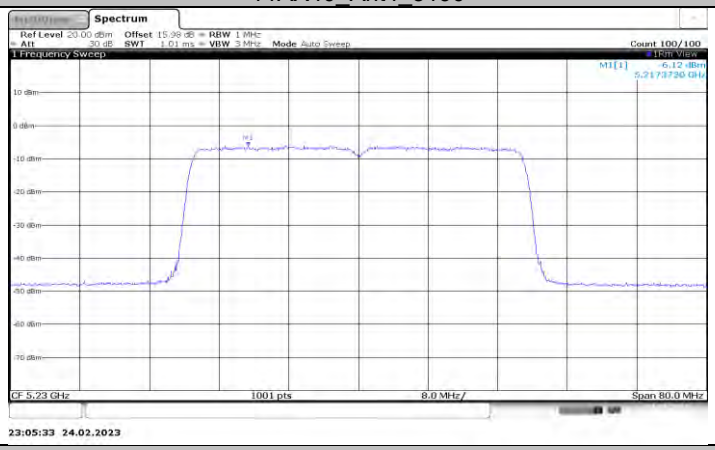
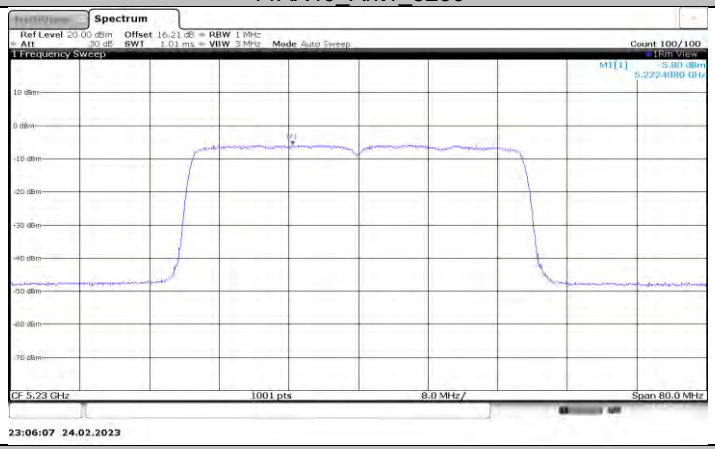


11AX40_Ant1_5230



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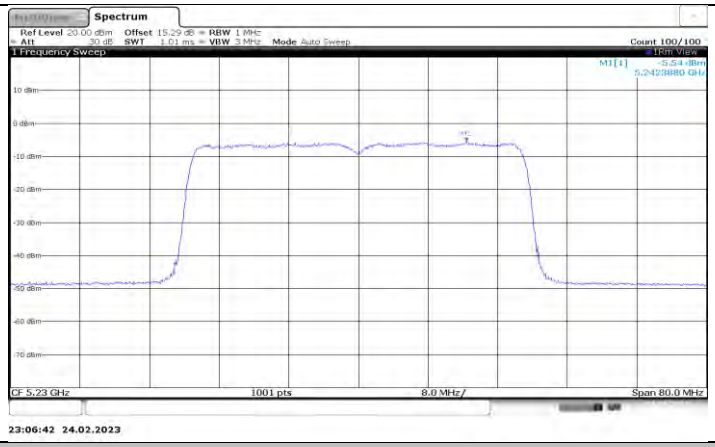
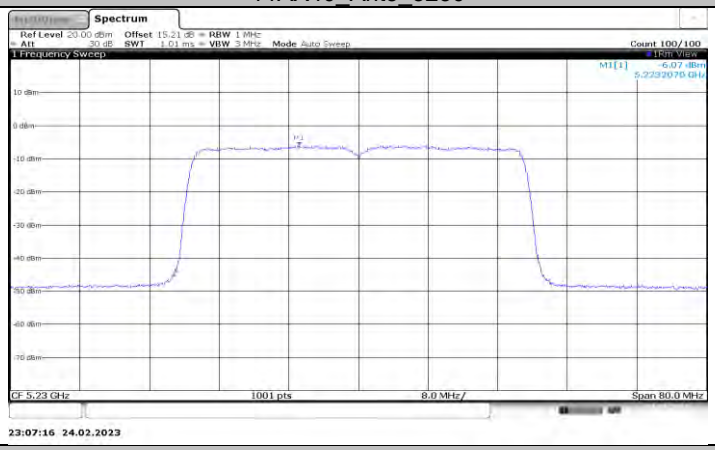
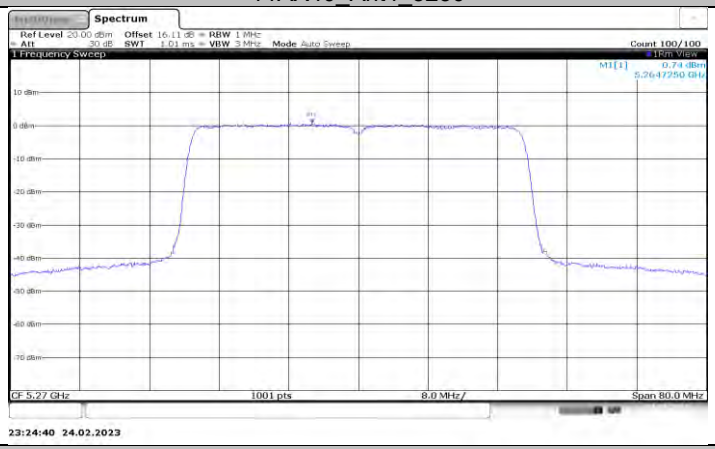


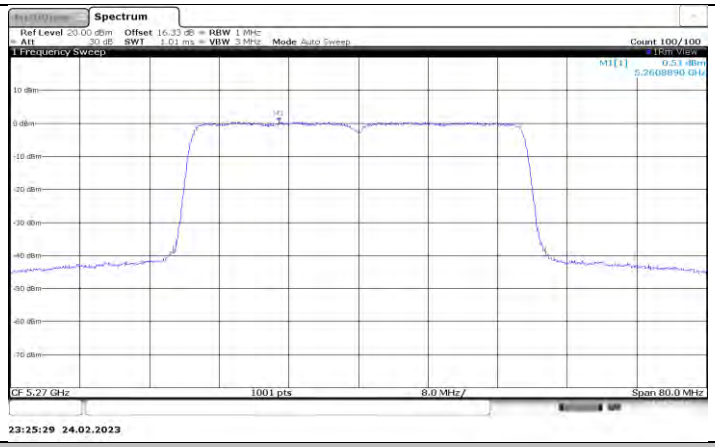
11AX40_Ant3_5230



11AX40_Ant4_5230



11AX40_Ant1_5270



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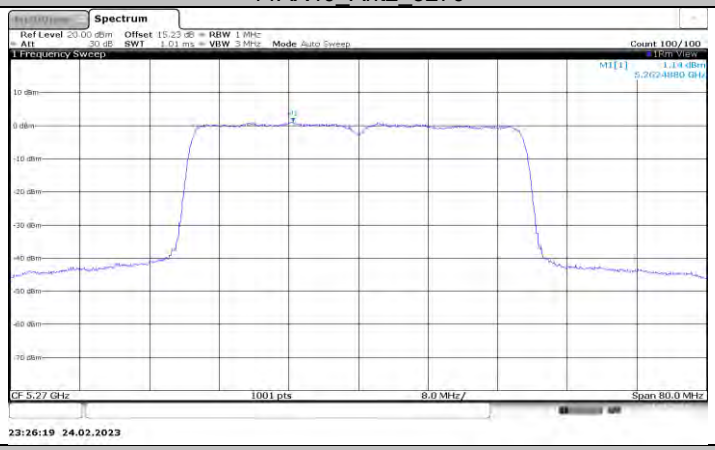

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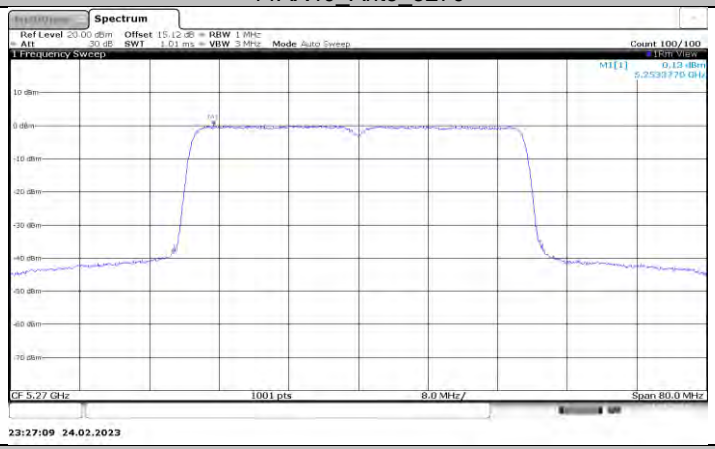

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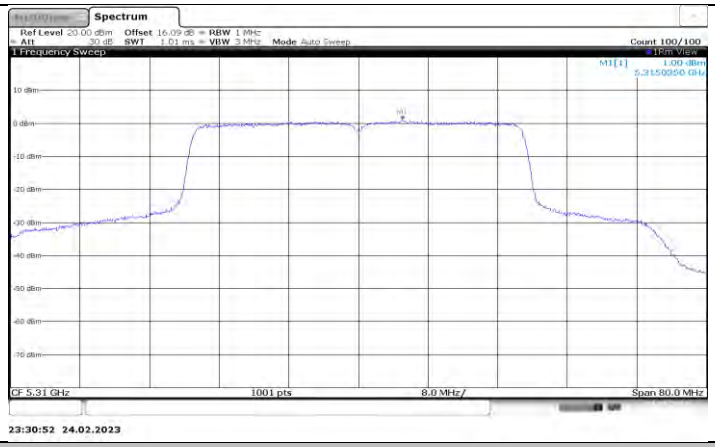
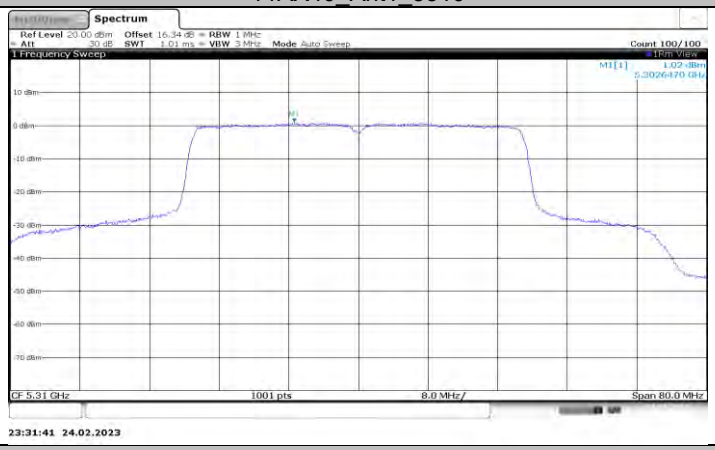


11AX40_Ant1_5310



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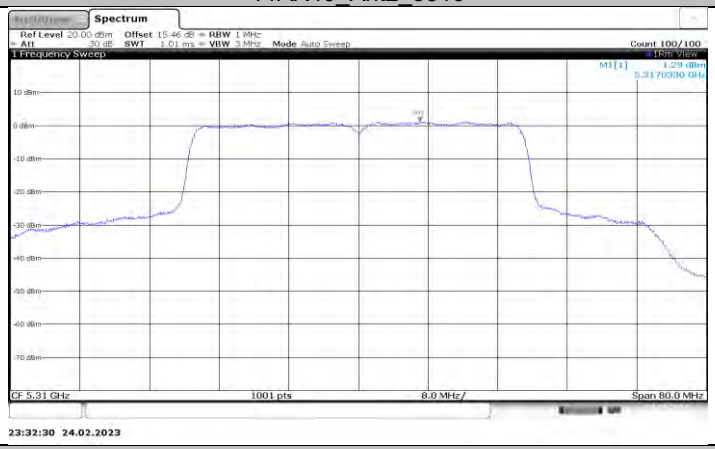

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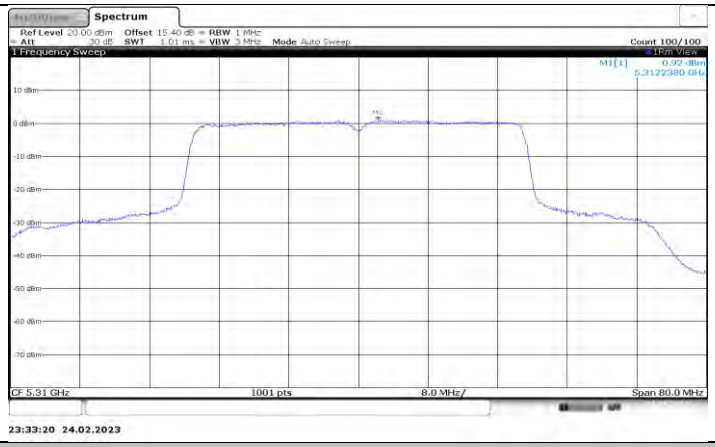

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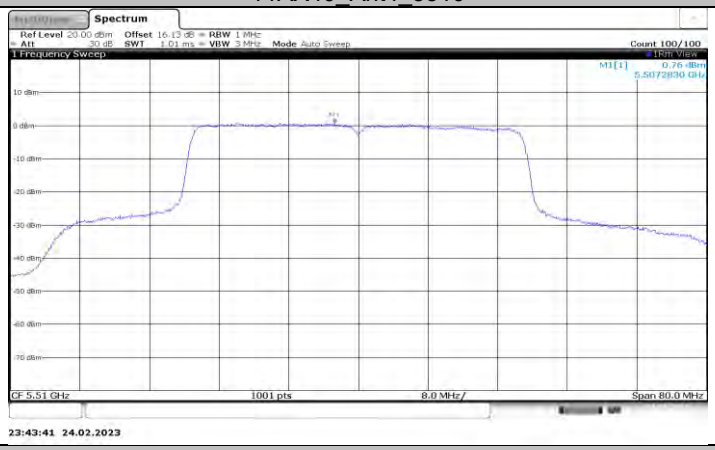

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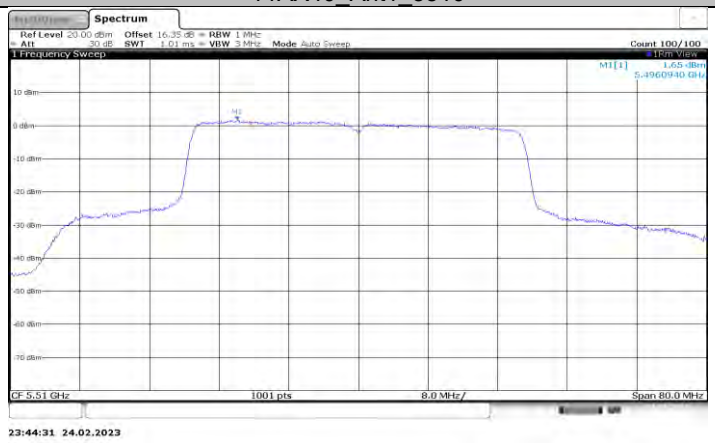

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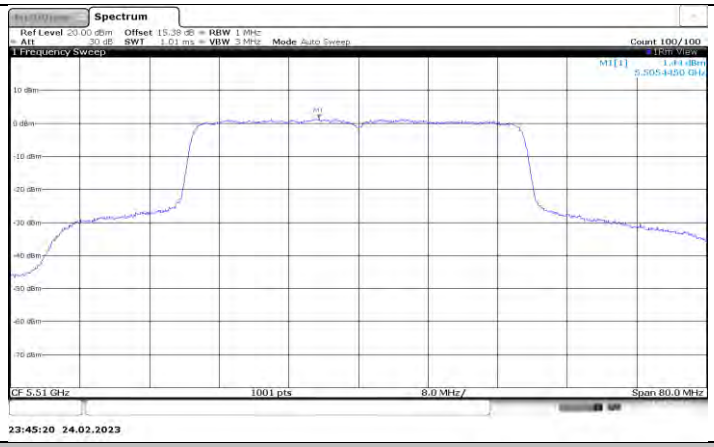

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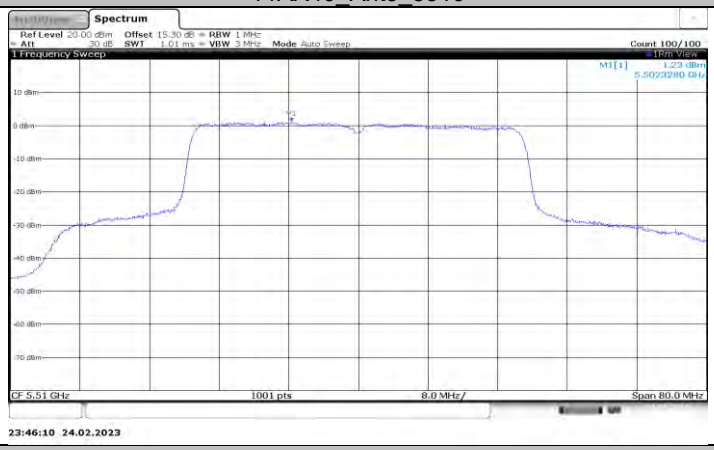

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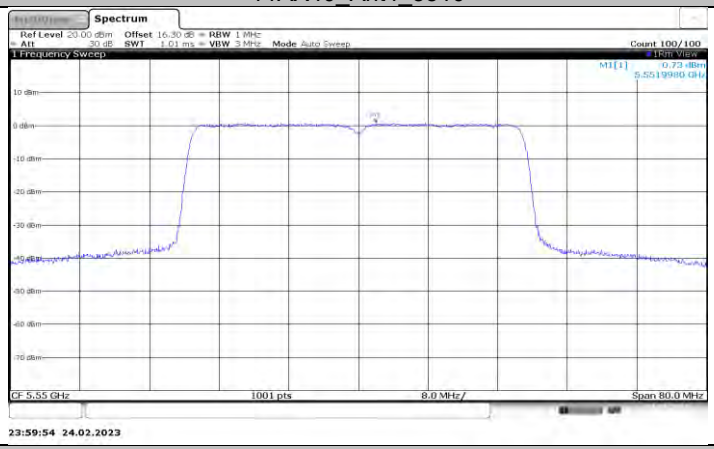

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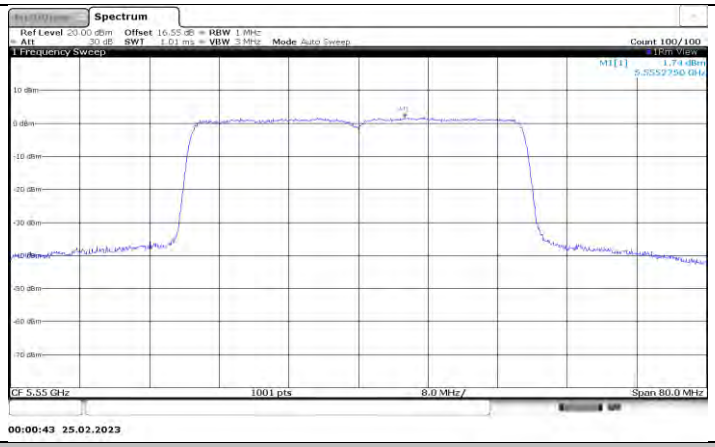

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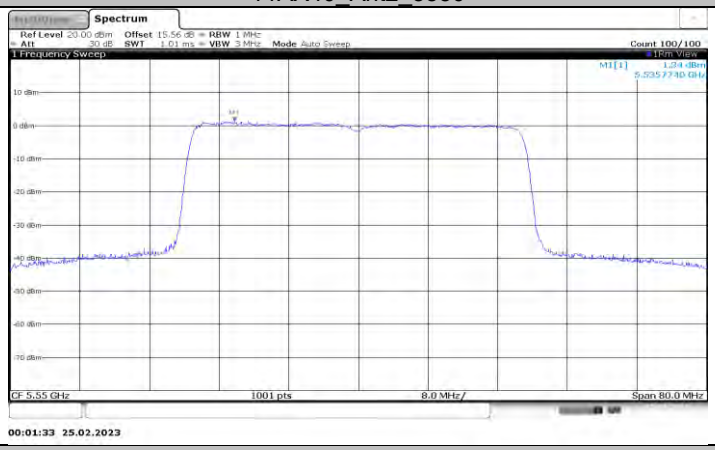

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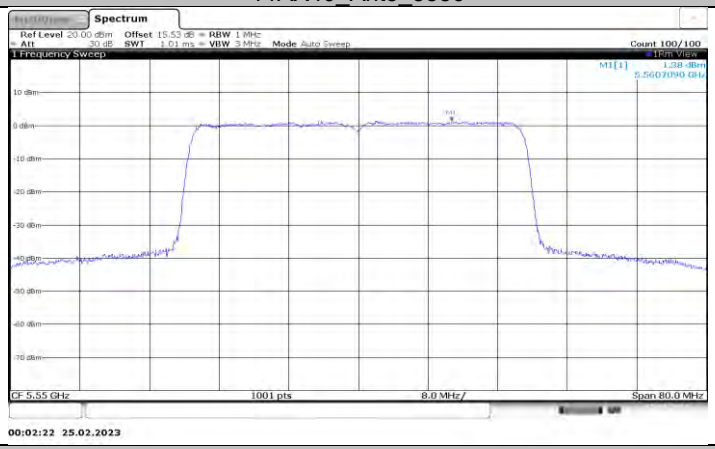

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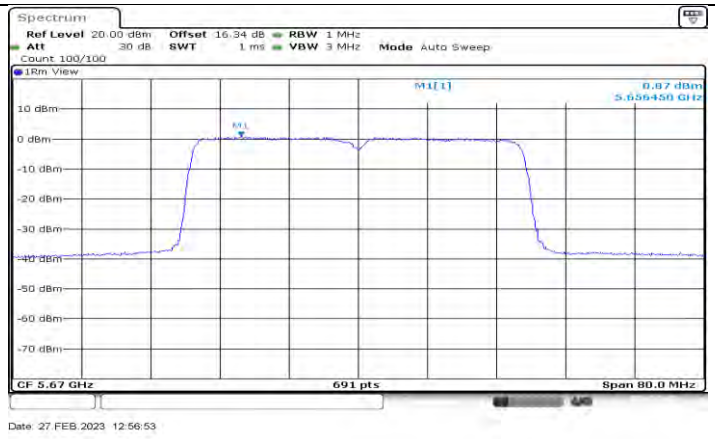
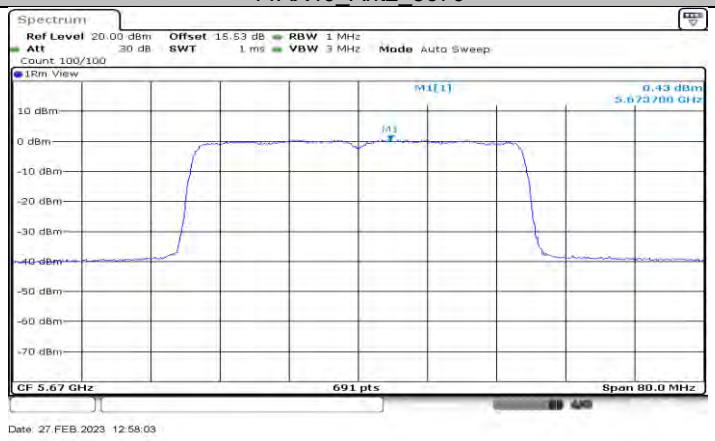


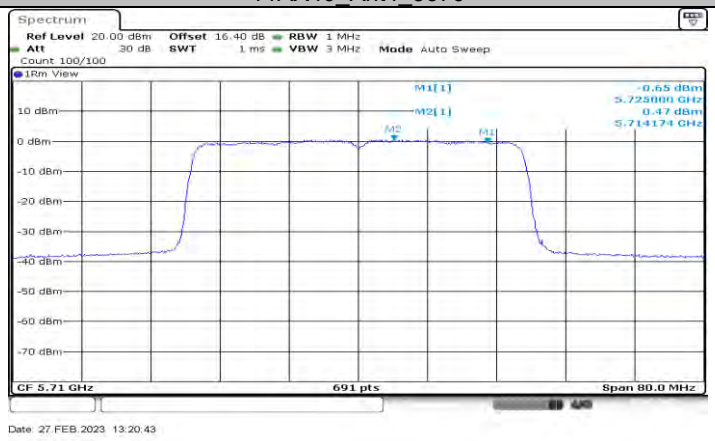
11AX40_Ant1_5670

11AX40_Ant2_5670

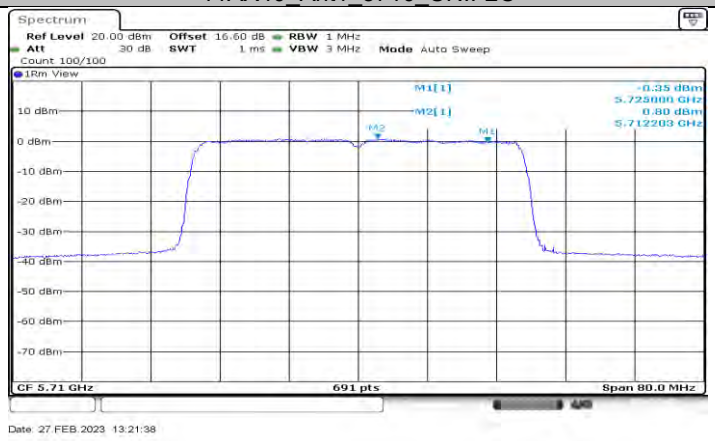


11AX40_Ant3_5670

11AX40_Ant4_5670



11AX40_Ant1_5710_UNII-2C



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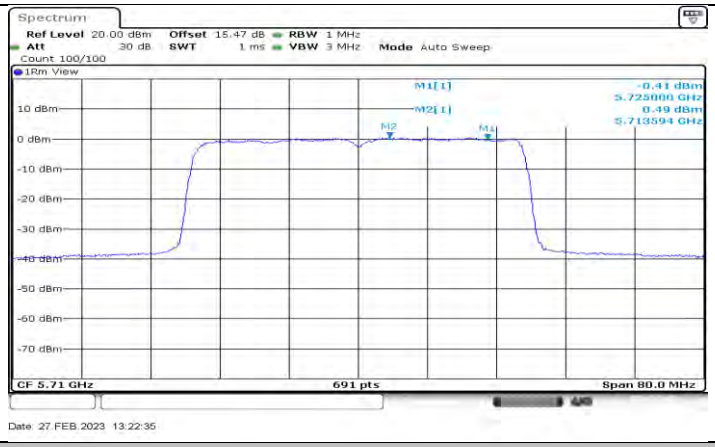

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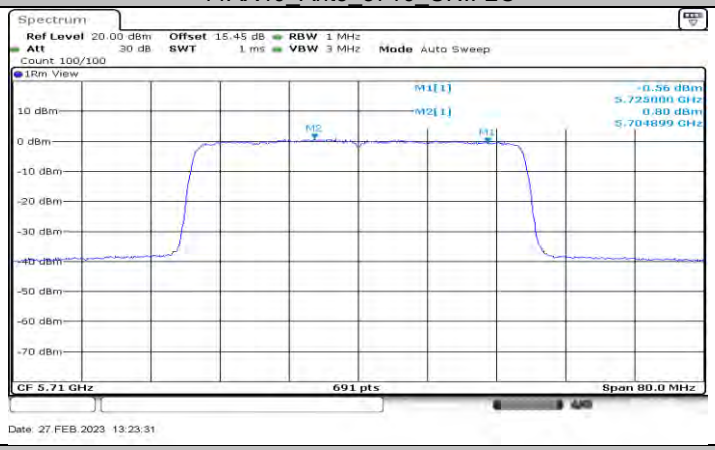

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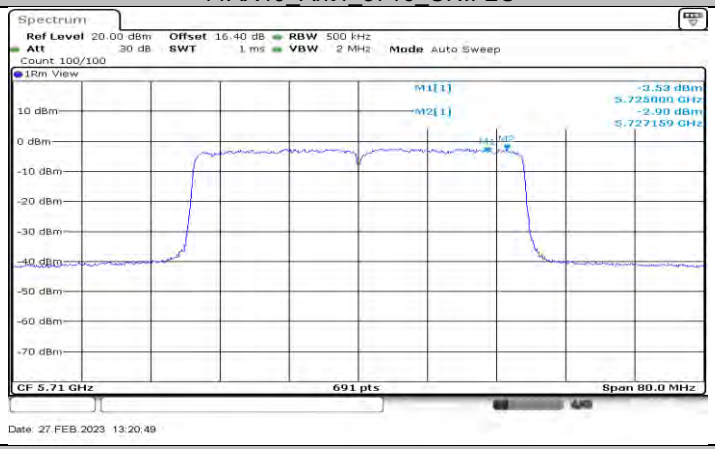
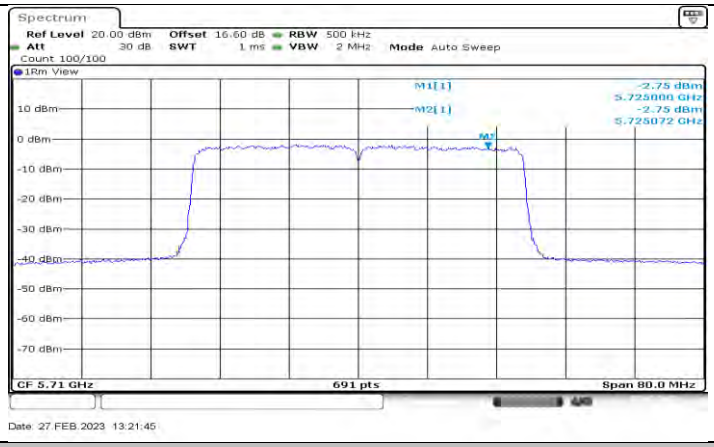
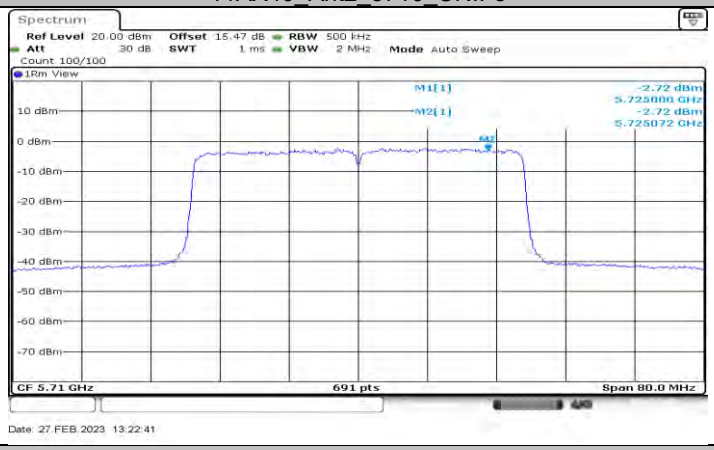


11AX40_Ant1_5710_UNII-3



11AX40_Ant2_5710_UNII-3



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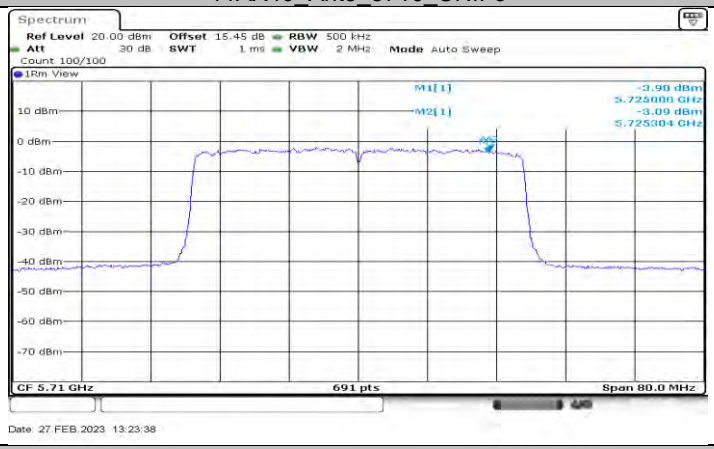
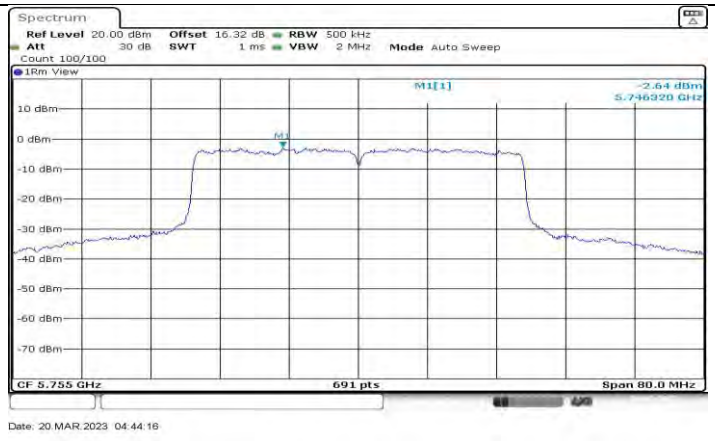


11AX40_Ant4_5710_UNII-3



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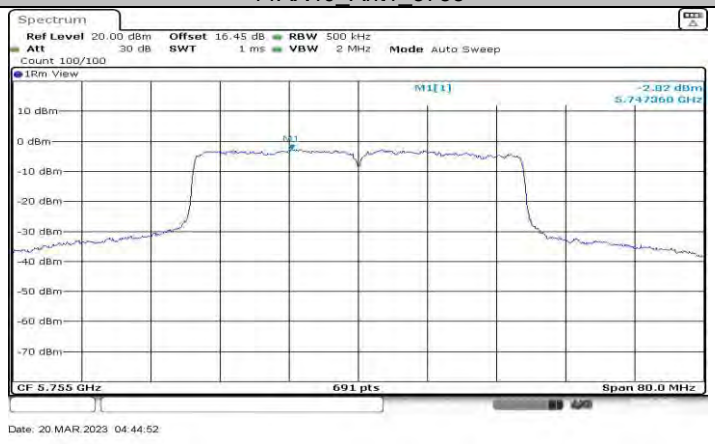

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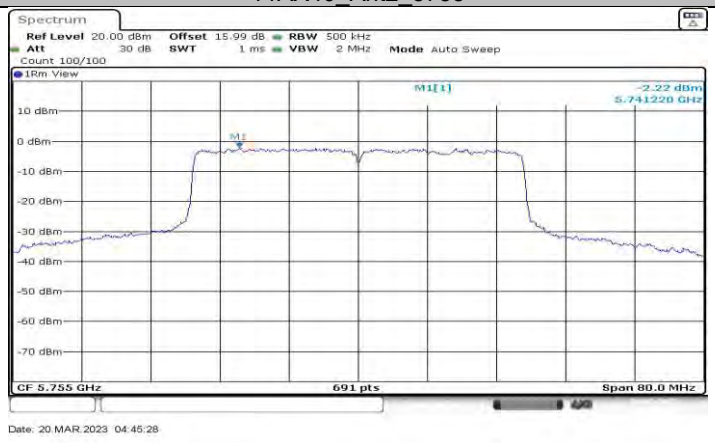

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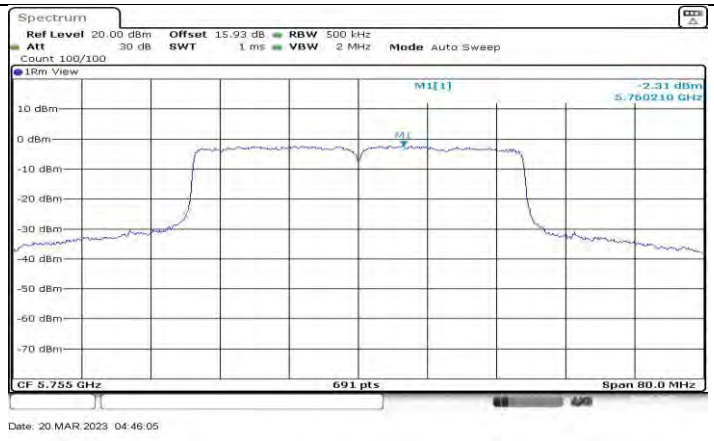

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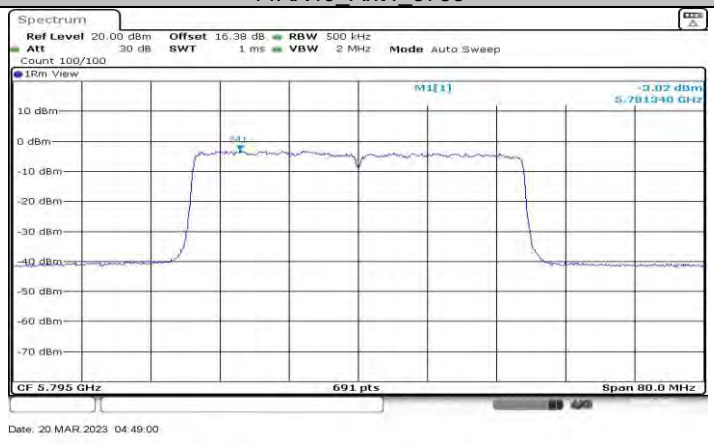

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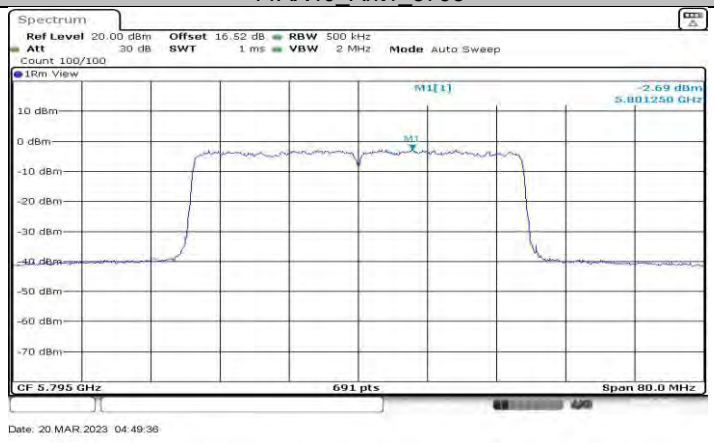

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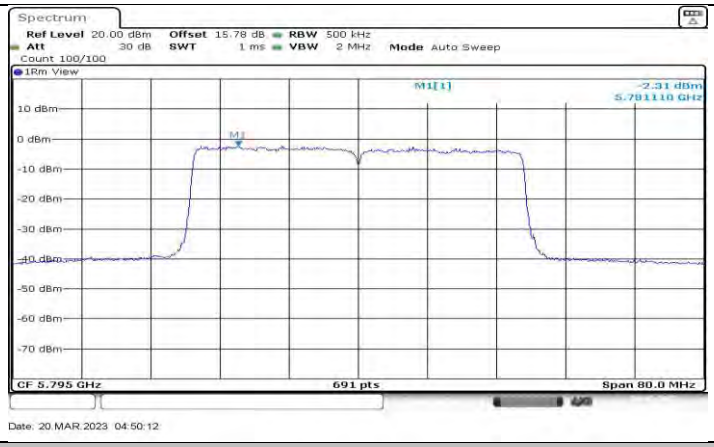
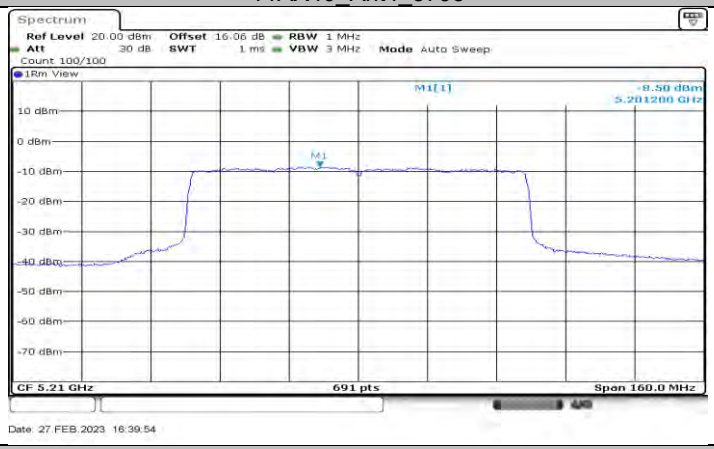


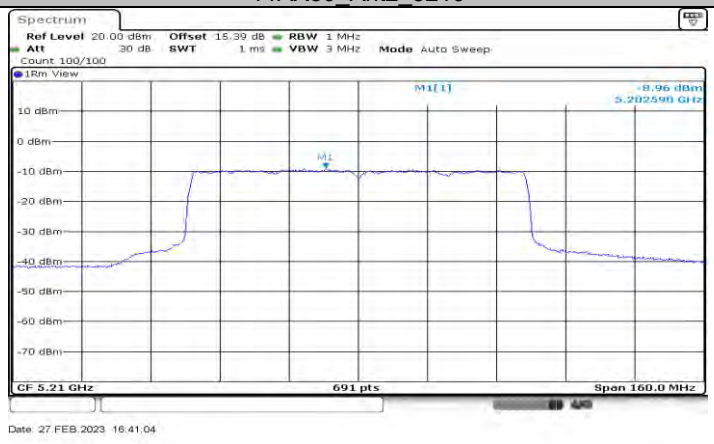
11AX40_Ant3_5795

11AX40_Ant4_5795



11AX80_Ant1_5210

11AX80_Ant2_5210



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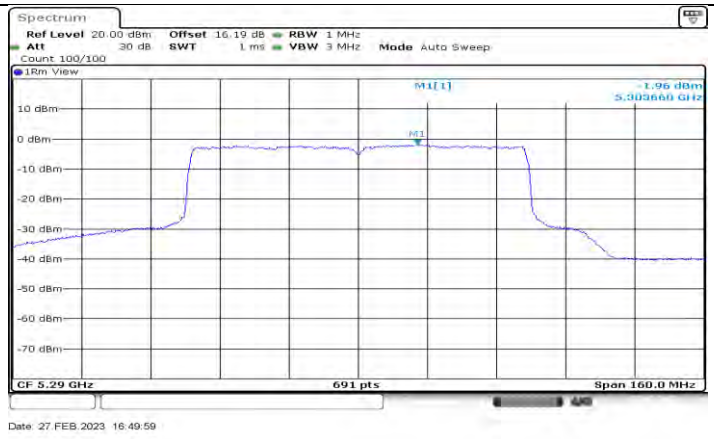
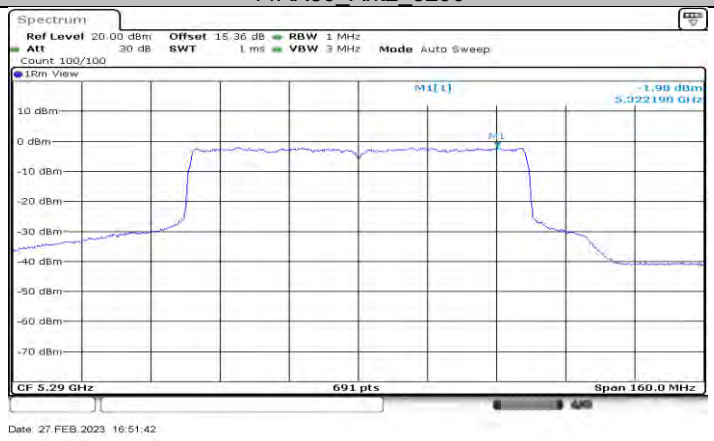
11AX80_Ant4_5210



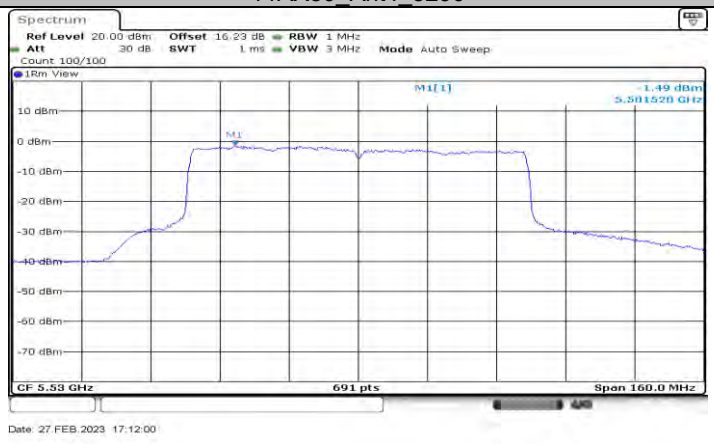
11AX80_Ant1_5290

11AX80_Ant2_5290

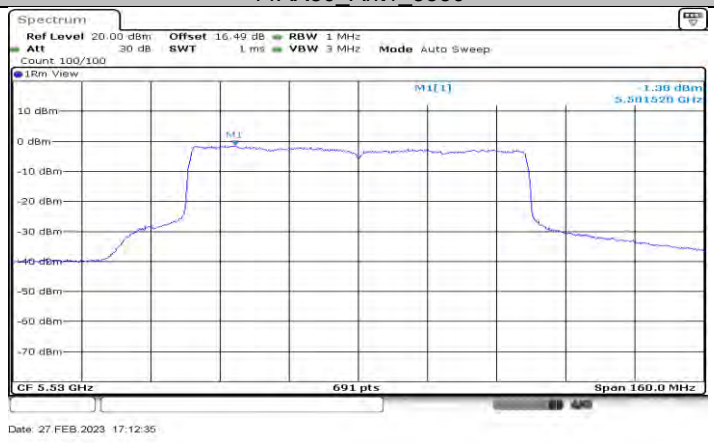


11AX80_Ant3_5290

11AX80_Ant4_5290



11AX80_Ant1_5530



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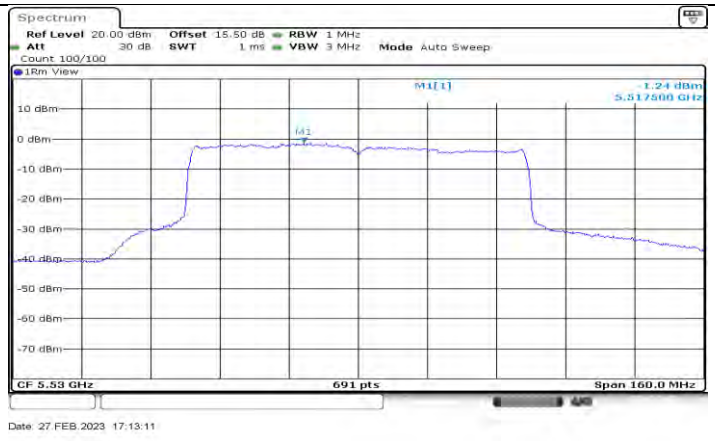

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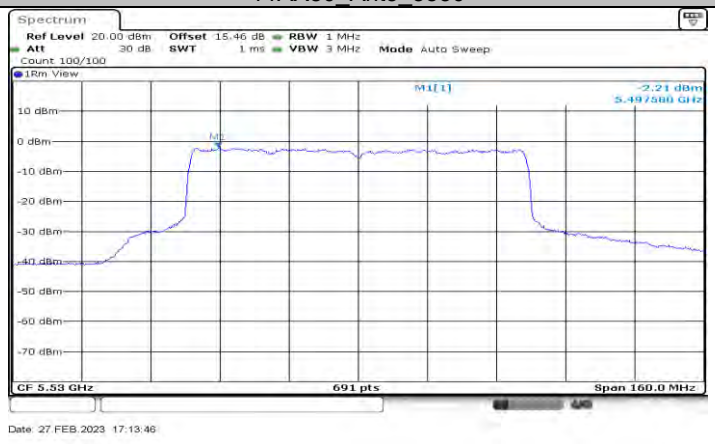
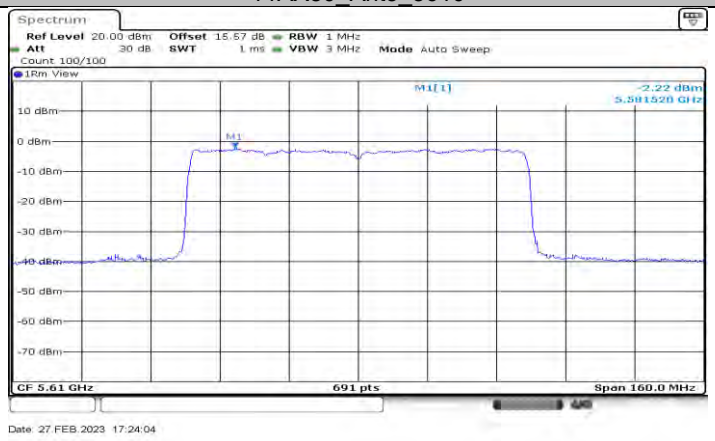


11AX80_Ant4_5530

11AX80_Ant1_5610

11AX80_Ant2_5610

11AX80_Ant3_5610



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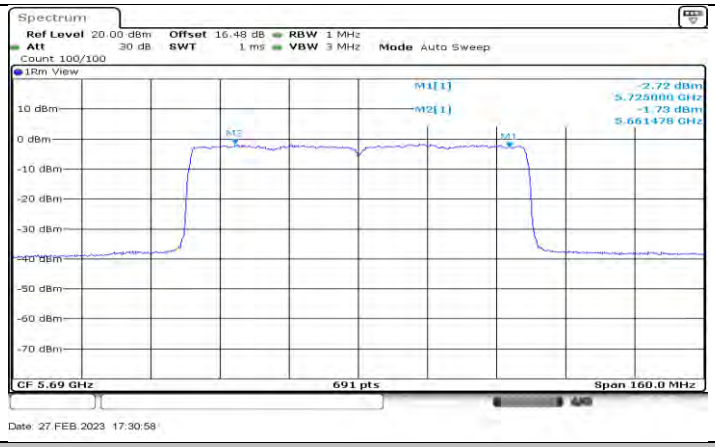
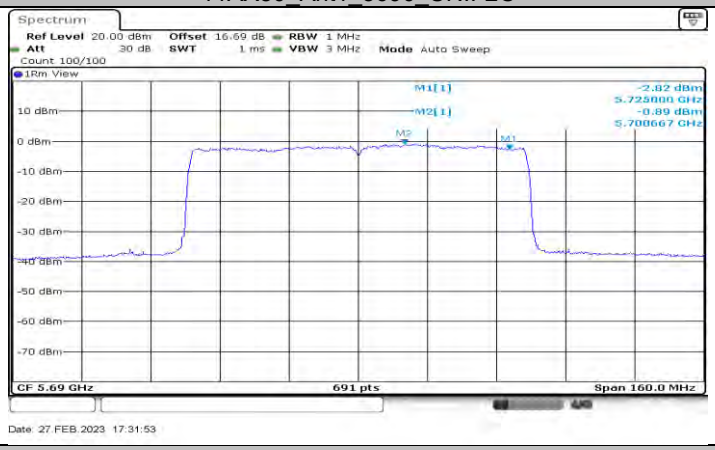
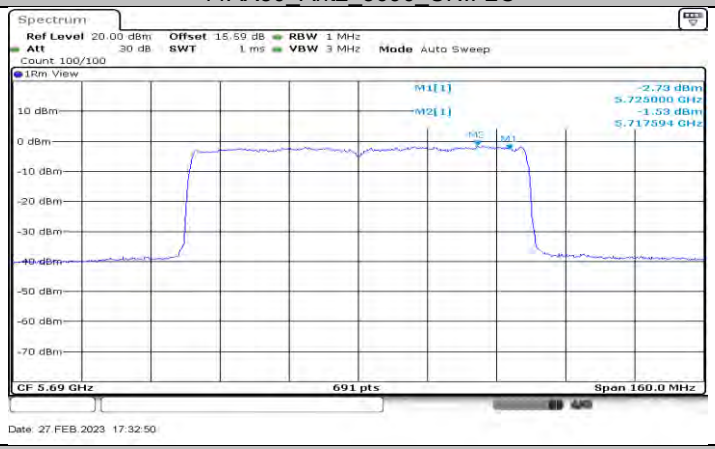


11AX80_Ant1_5690_UNII-2C



11AX80_Ant2_5690_UNII-2C



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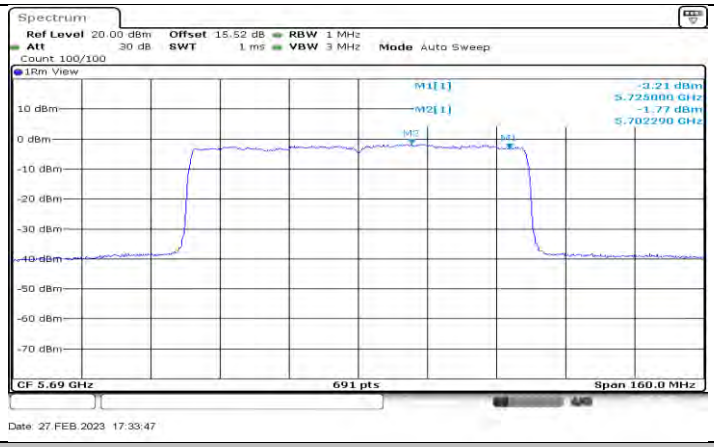

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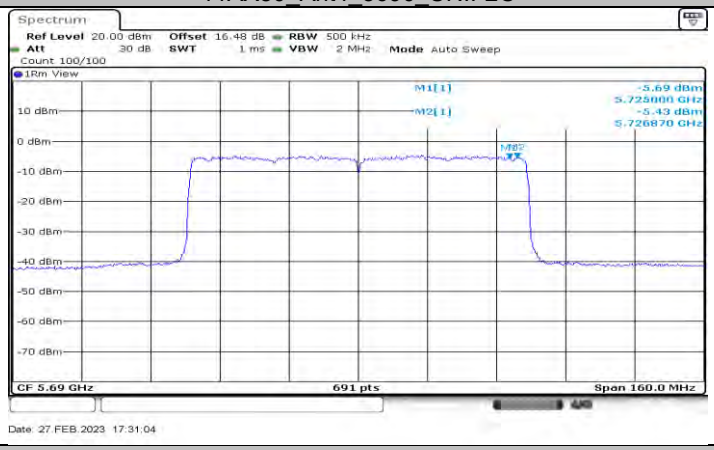
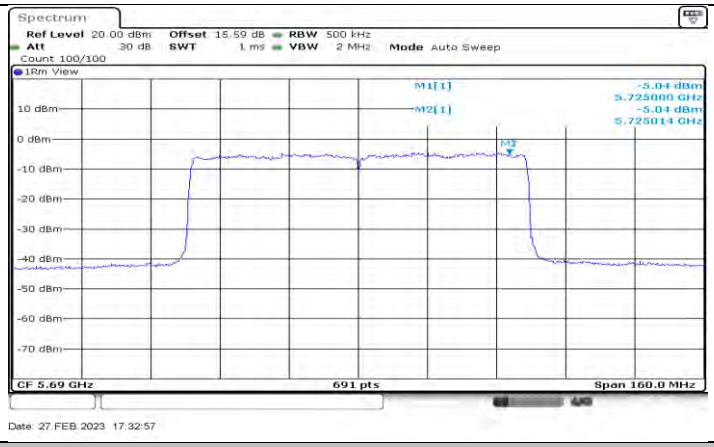
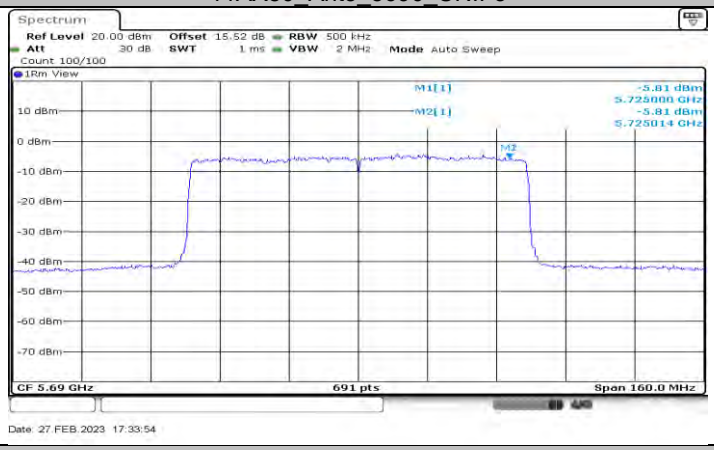


11AX80_Ant1_5690_UNII-3

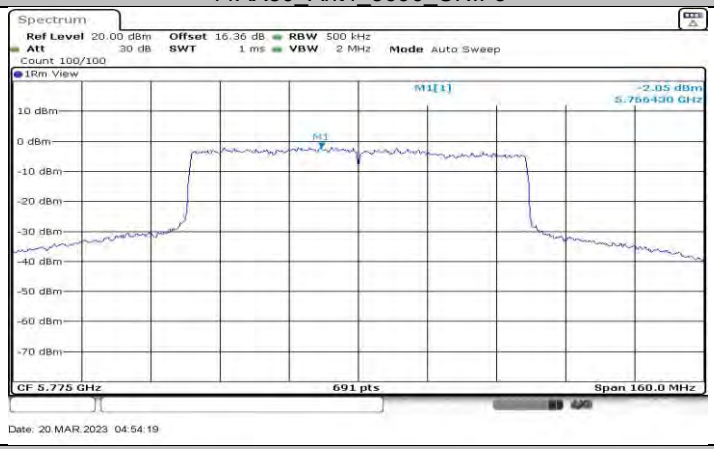
11AX80_Ant2_5690_UNII-3



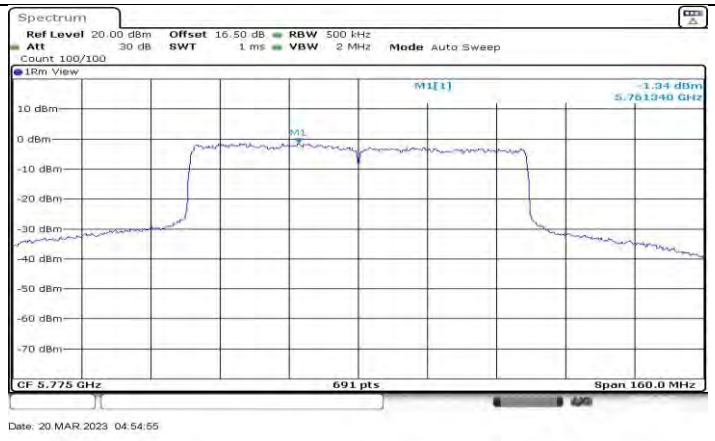
11AX80_Ant3_5690_UNII-3



11AX80_Ant4_5690_UNII-3

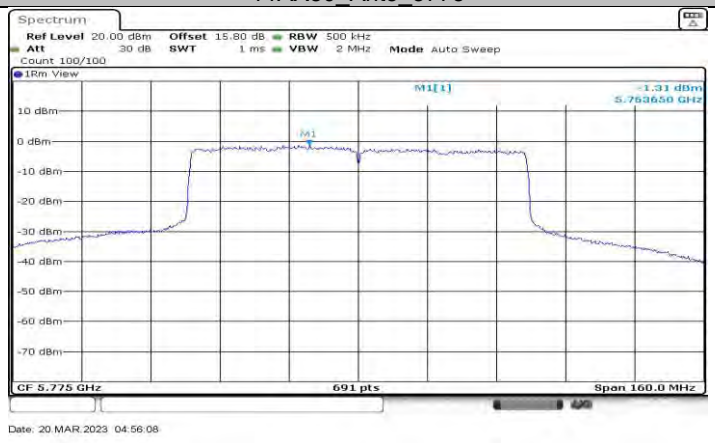


11AX80_Ant1_5775



11AX80_Ant2_5775

11AX80_Ant3_5775



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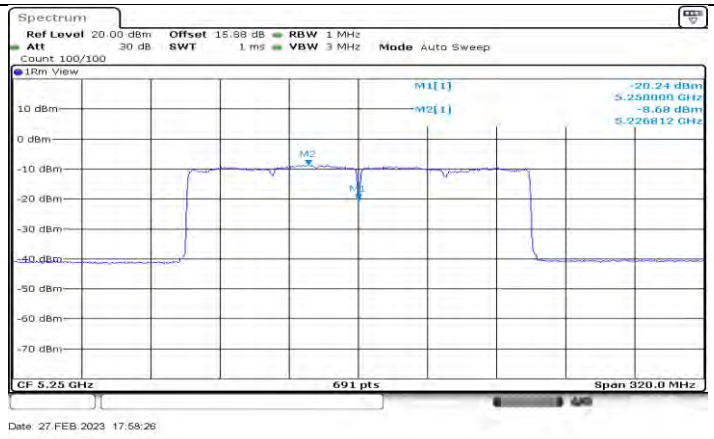
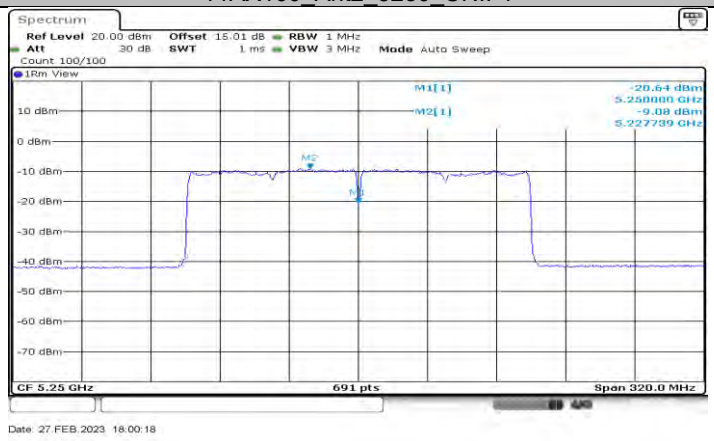
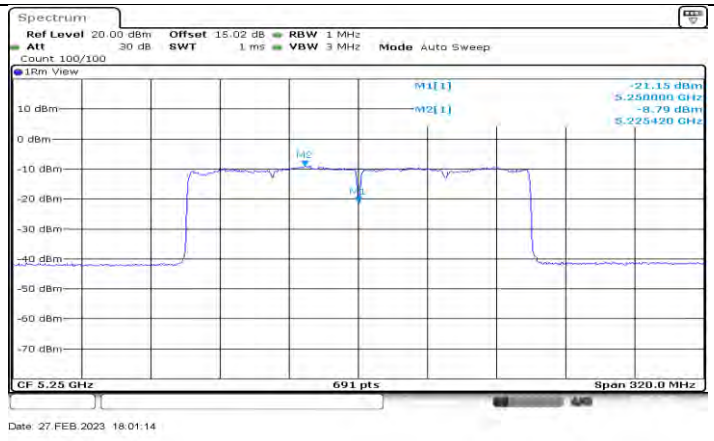


11AX160_Ant1_5250_UNII-1

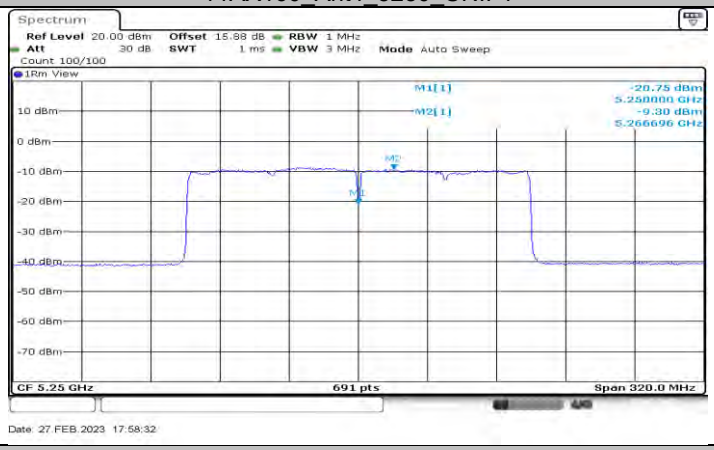
11AX160_Ant2_5250_UNII-1



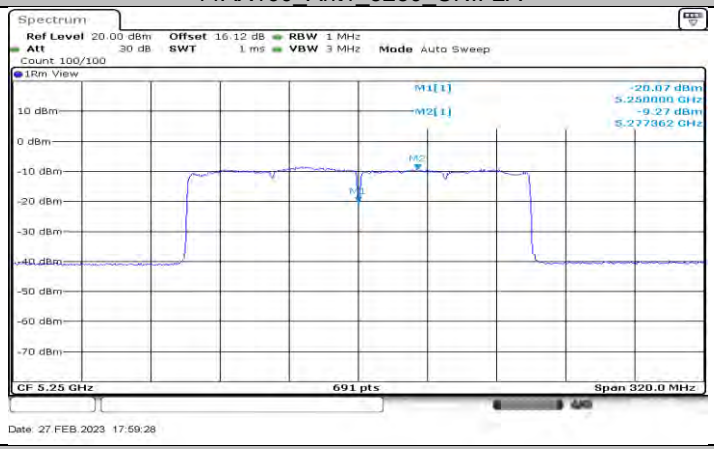
11AX160_Ant3_5250_UNII-1



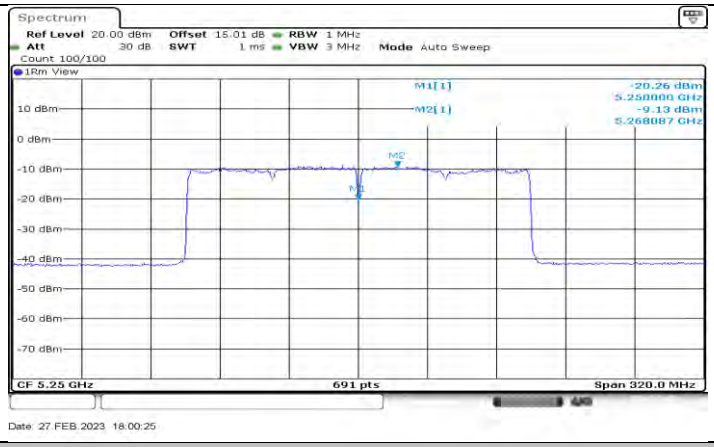
11AX160_Ant4_5250_UNII-1



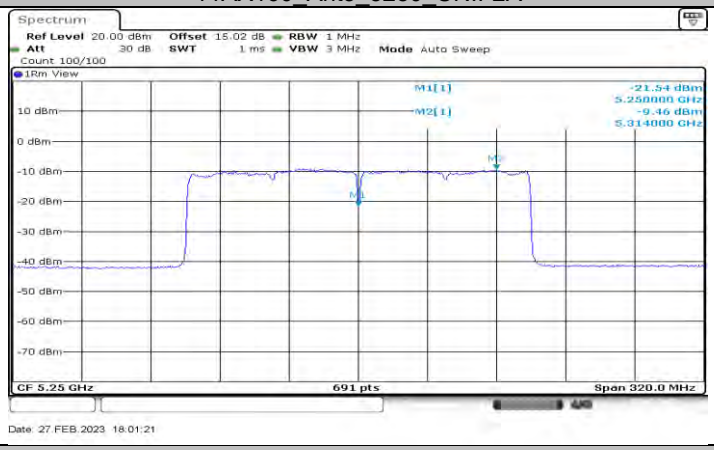
11AX160_Ant1_5250_UNII-2A



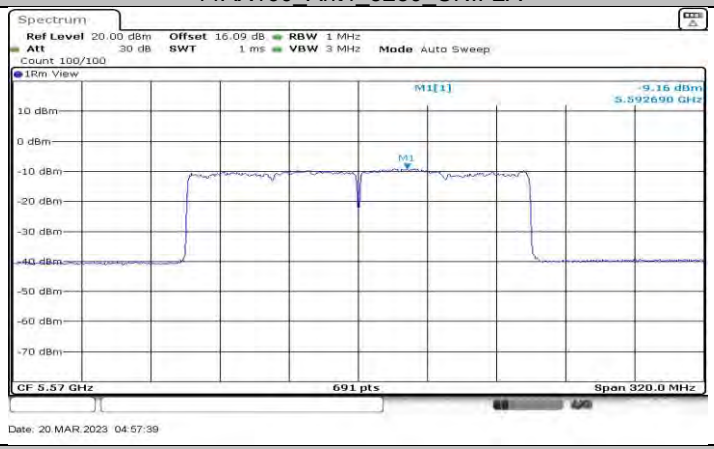
11AX160_Ant2_5250_UNII-2A



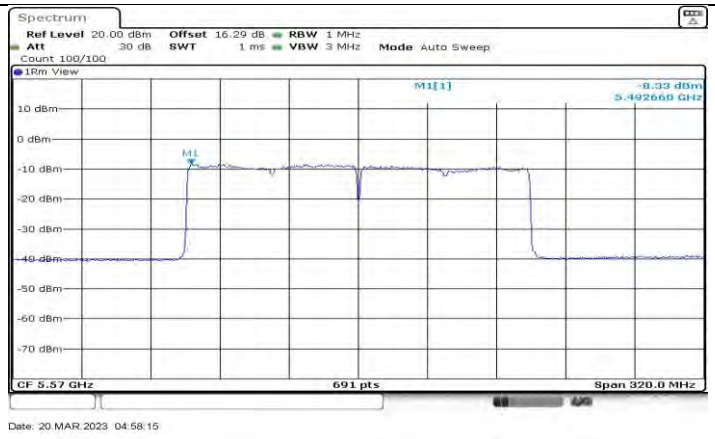
11AX160_Ant3_5250_UNII-2A



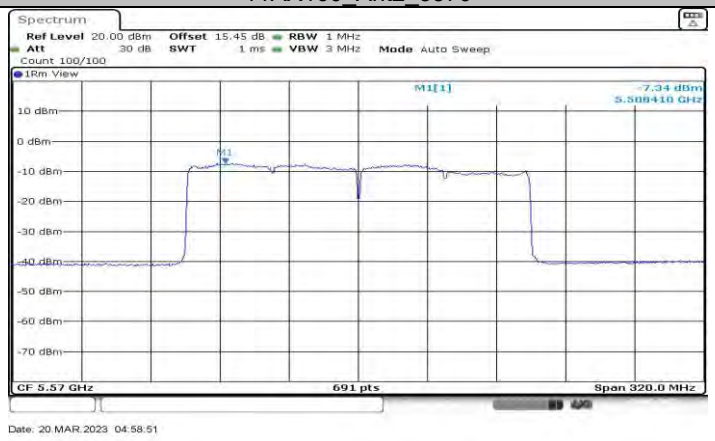
11AX160_Ant4_5250_UNII-2A



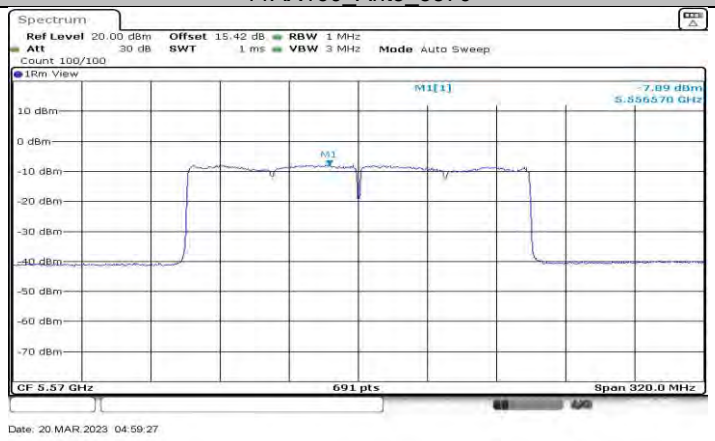
11AX160_Ant1_5570



11AX160_Ant2_5570



11AX160_Ant3_5570



11AX160_Ant4_5570

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

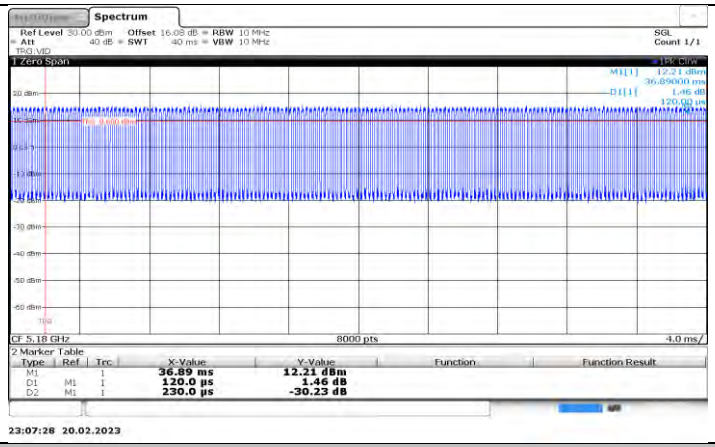
11.6. APPENDIX D: DUTY CYCLE

11.6.1. Test Result

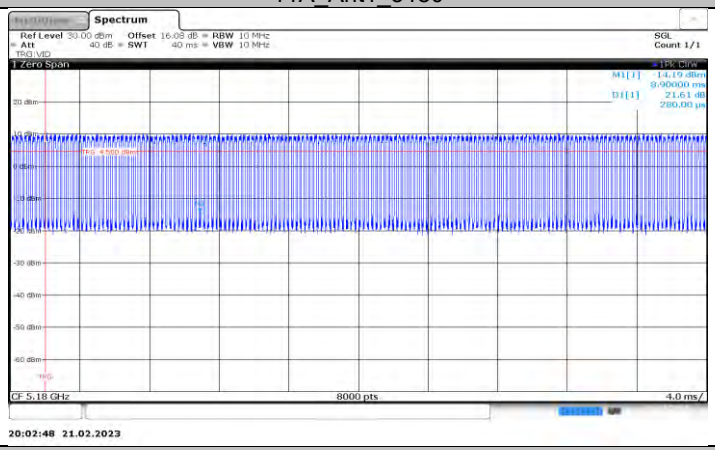
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	0.12	0.23	0.5217	52.17	2.83	8.33	9
11N20	0.15	0.28	0.5357	53.57	2.71	6.67	7
11N40	0.12	0.21	0.5714	57.14	2.43	8.33	9
11AC80	0.12	0.15	0.8000	80.00	0.97	8.33	9
11AC160	0.12	0.17	0.7059	70.59	1.51	8.33	9
11AX20	0.33	0.35	0.9429	94.29	0.26	3.03	4
11AX40	0.31	0.34	0.9118	91.18	0.40	3.23	4
11AX80	0.29	0.32	0.9063	90.63	0.43	3.45	4
11AX160	0.45	0.48	0.9375	93.75	0.28	2.22	3

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.

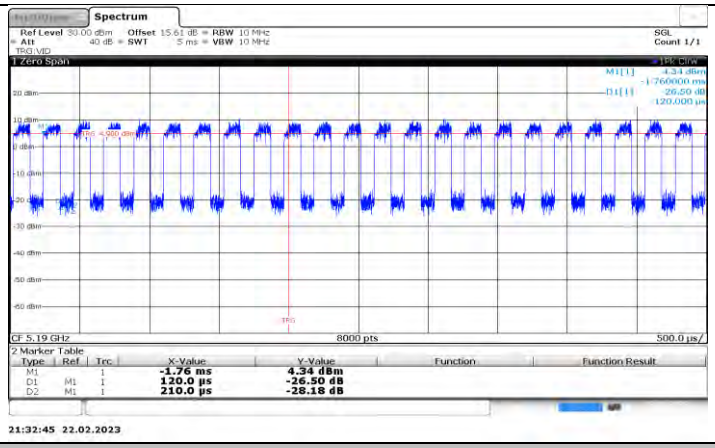
11.6.2. Test Graphs



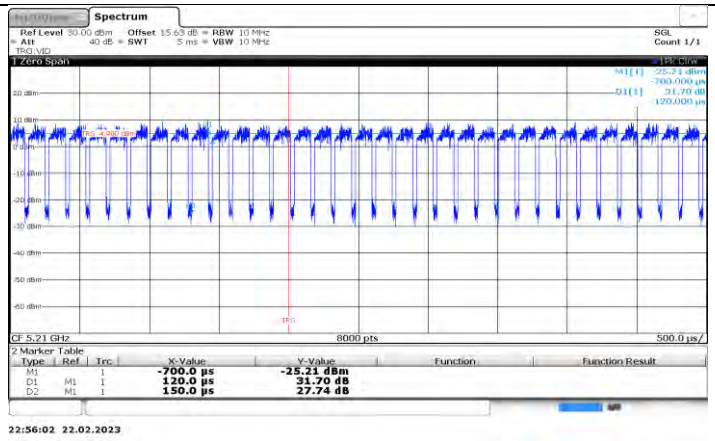
11A_Ant1_5180



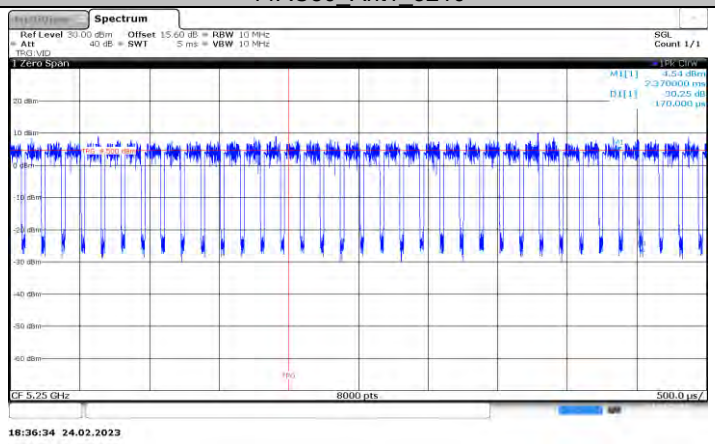
11N20_Ant1_5180



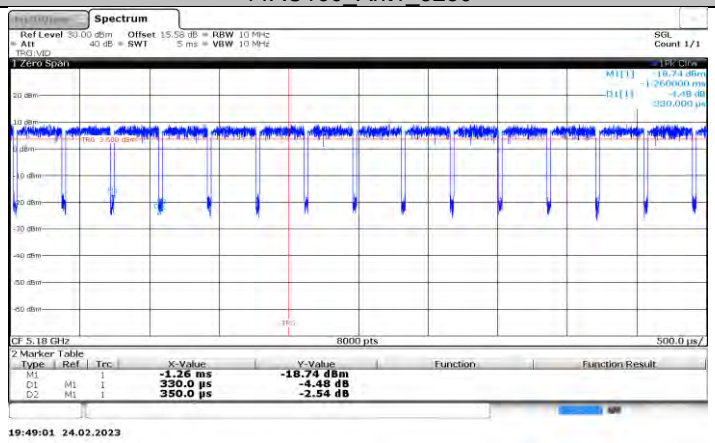
11N40_Ant1_5190



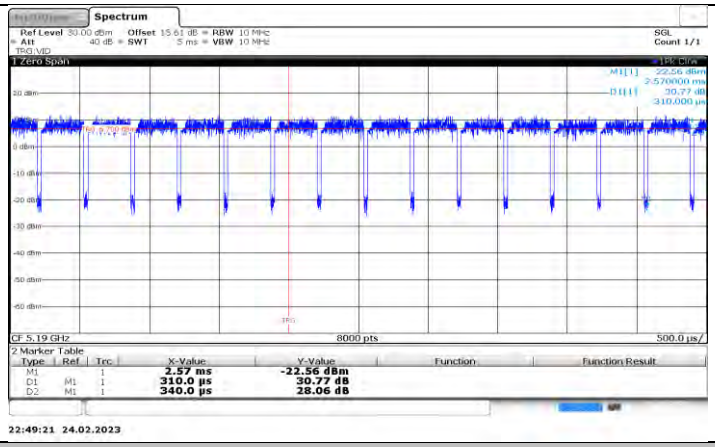
11AC80_Ant1_5210



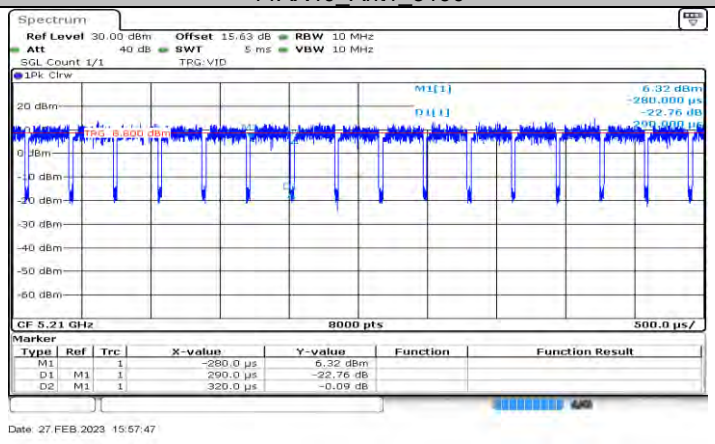
11AC160_Ant1_5250



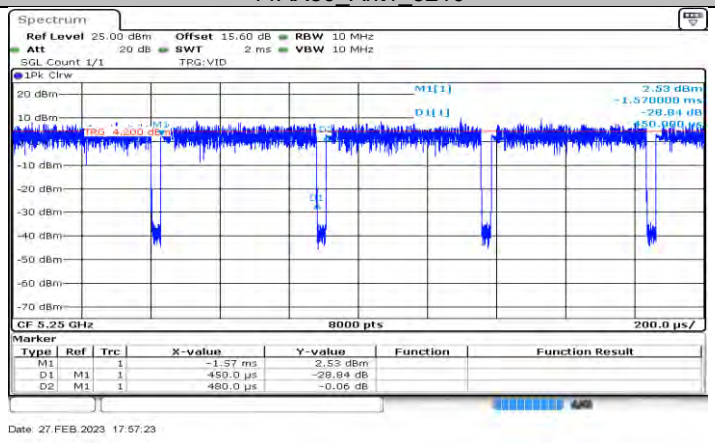
11AX20_Ant1_5180



11AX40_Ant1_5190



11AX80_Ant1_5210



11AX160_Ant1_5250

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

11.7. APPENDIX E: FREQUENCY STABILITY

11.7.1. Test Result

Frequency Error vs. Voltage									
802.11a 20: 5200 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	5199.9790	-4.03	5199.9802	-3.82	5200.0174	3.34	5200.0077	1.48
TN	VN	5199.9805	-3.76	5199.9782	-4.19	5199.9916	-1.61	5199.9793	-3.98
TN	VH	5199.9803	-3.79	5199.9951	-0.95	5199.9843	-3.02	5199.9943	-1.10
Frequency Error vs. Temperature									
802.11a 20: 5200 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	5199.9763	-4.55	5200.0061	1.17	5200.0155	2.99	5200.0056	1.09
30	VN	5199.9783	-4.17	5199.9795	-3.95	5200.0230	4.43	5200.0014	0.27
20	VN	5199.9887	-2.18	5200.0118	2.27	5200.0133	2.56	5200.0209	4.02
10	VN	5199.9944	-1.08	5200.0248	4.77	5200.0203	3.90	5200.0225	4.33
0	VN	5199.9821	-3.44	5200.0155	2.99	5200.0079	1.52	5199.9927	-1.41

Frequency Error vs. Voltage									
802.11a 20: 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	5824.9802	-3.39	5824.9844	-2.68	5825.0014	0.25	5825.0127	2.18
TN	VN	5825.0208	3.57	5824.9900	-1.72	5825.0201	3.45	5825.0054	0.92
TN	VH	5824.9871	-2.22	5825.0092	1.57	5824.9849	-2.59	5824.9971	-0.51

Frequency Error vs. Temperature									
802.11a 20: 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	5825.0164	2.81	5824.9809	-3.28	5824.9926	-1.27	5825.0240	4.13
30	VN	5825.0146	2.50	5824.9766	-4.01	5824.9974	-0.44	5825.0098	1.69
20	VN	5824.9892	-1.86	5824.9751	-4.27	5825.0241	4.14	5825.0221	3.80
10	VN	5825.0138	2.36	5825.0054	0.92	5824.9918	-1.41	5825.0035	0.60
0	VN	5825.0187	3.21	5825.0004	0.07	5824.9961	-0.68	5825.0107	1.83

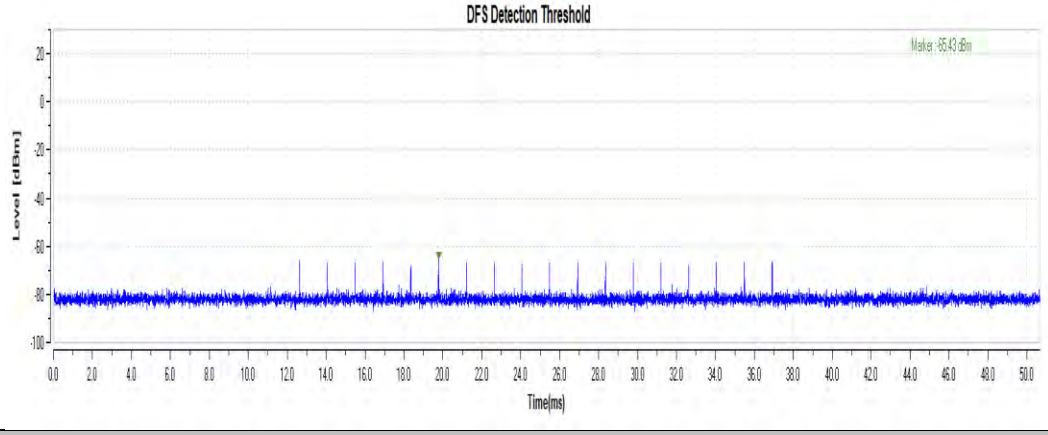
Note:
1. All antennas and test modes have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5.

11.8. APPENDIX F: DYNAMIC FREQUENCY SELECTION

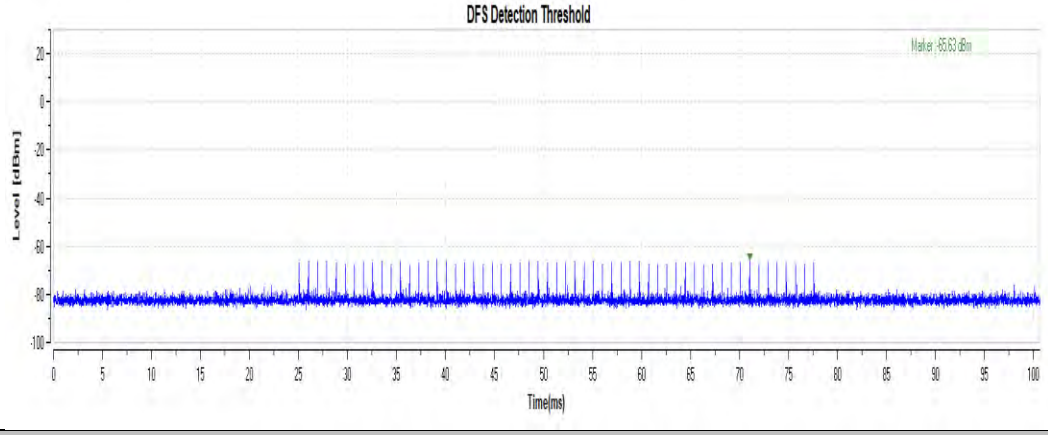
The EUT support AP and mesh mode, the AP mode work as master and mesh mode work as slave.

11.8.1. DFS DETECTION THRESHOLDS

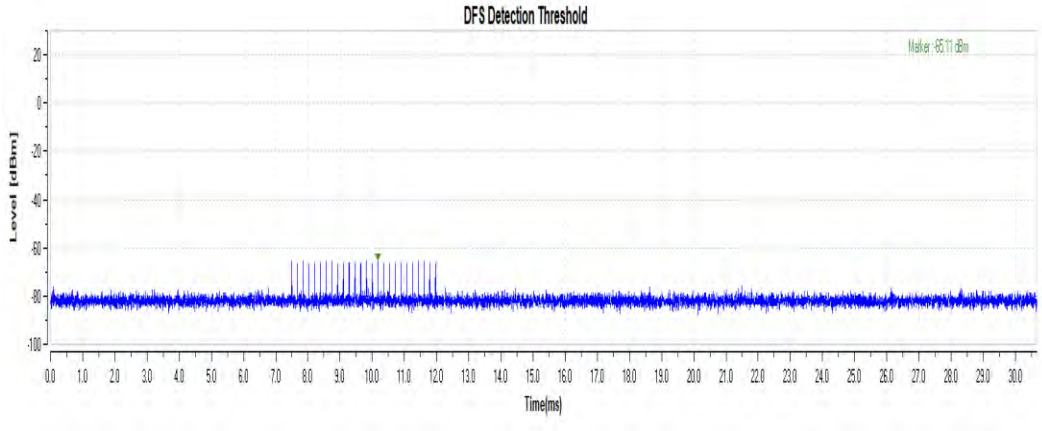
Test Mode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AX20	5500	Type0	-65.43	-59.00	PASS
		Type1	-65.63	-59.00	PASS
		Type2	-65.11	-59.00	PASS
		Type3	-64.87	-59.00	PASS
		Type4	-64.93	-59.00	PASS
		Type5	-65.02	-59.00	PASS
		Type6	-65.13	-59.00	PASS
11AX40	5510	Type0	-64.90	-59.00	PASS
		Type1	-64.73	-59.00	PASS
		Type2	-64.22	-59.00	PASS
		Type3	-64.39	-59.00	PASS
		Type4	-64.15	-59.00	PASS
		Type5	-64.48	-59.00	PASS
		Type6	-64.13	-59.00	PASS
11AX80	5530	Type0	-64.52	-59.00	PASS
		Type1	-64.88	-59.00	PASS
		Type2	-64.42	-59.00	PASS
		Type3	-64.90	-59.00	PASS
		Type4	-64.52	-59.00	PASS
		Type5	-64.91	-59.00	PASS
		Type6	-65.30	-59.00	PASS
11AX160	5570	Type0	-64.74	-59.00	PASS
		Type1	-64.27	-59.00	PASS
		Type2	-64.51	-59.00	PASS
		Type3	-64.49	-59.00	PASS
		Type4	-64.24	-59.00	PASS
		Type5	-64.59	-59.00	PASS
		Type6	-65.16	-59.00	PASS



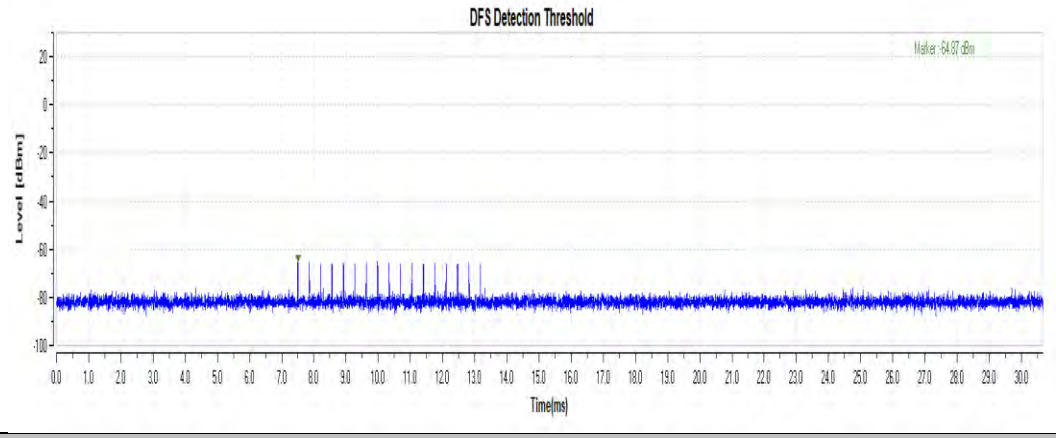
11AX20_5500_Type0



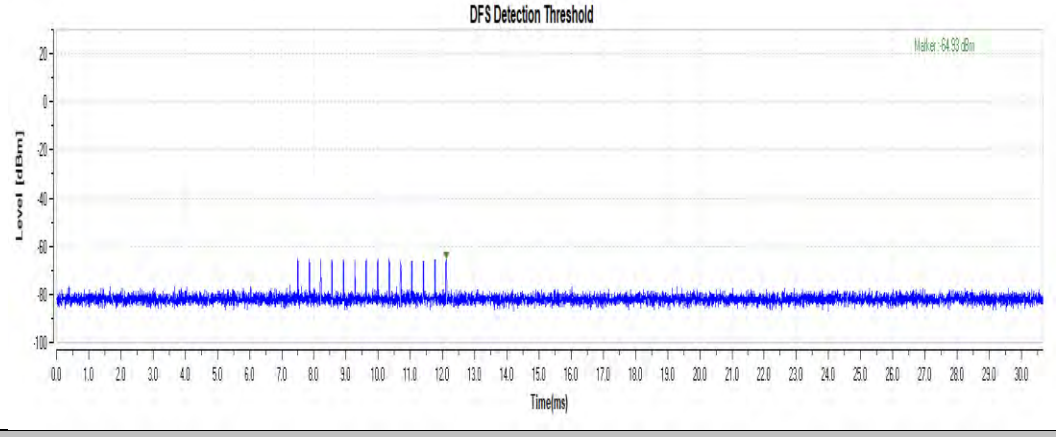
11AX20_5500_Type1



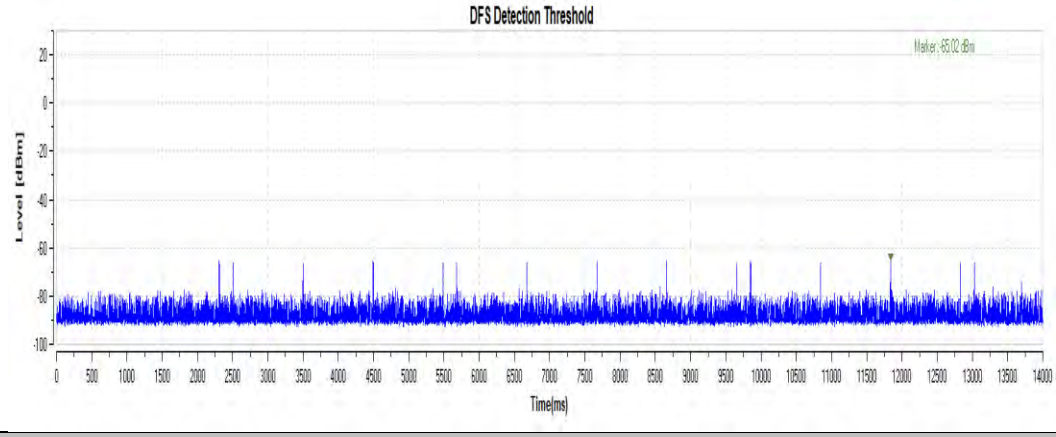
11AX20_5500_Type2



11AX20_5500_Type3



11AX20_5500_Type4



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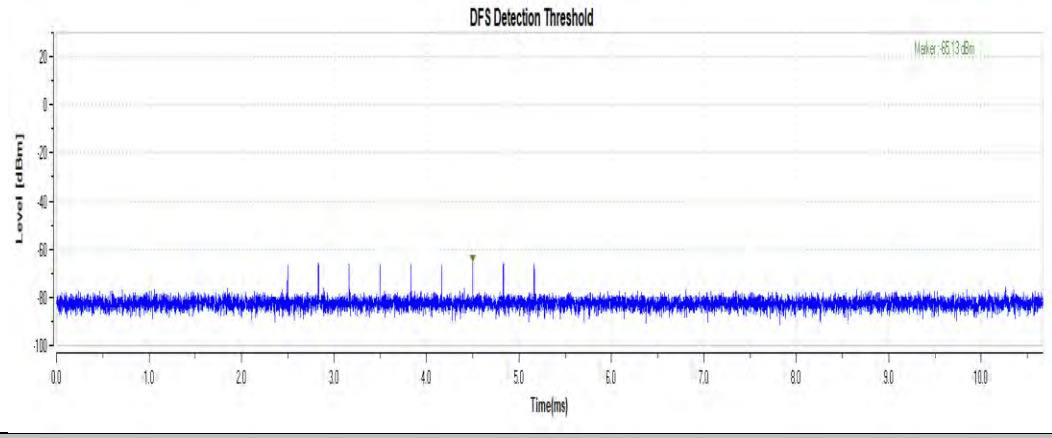
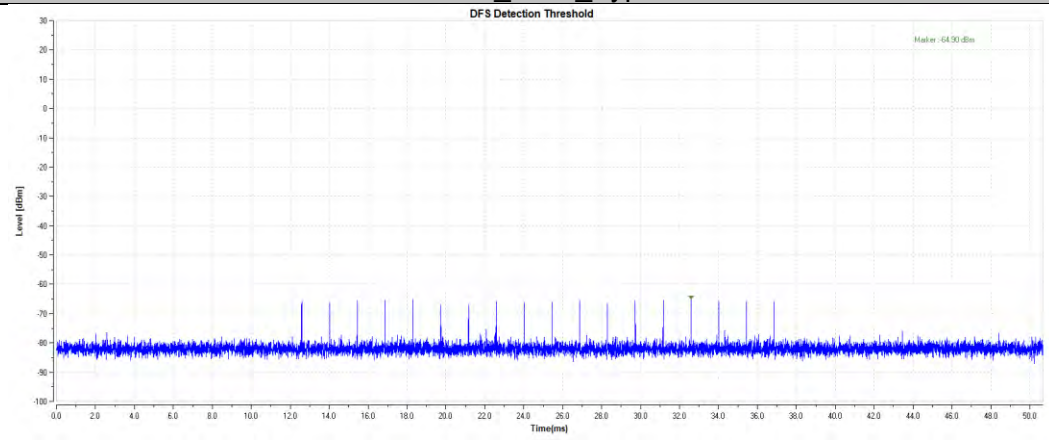
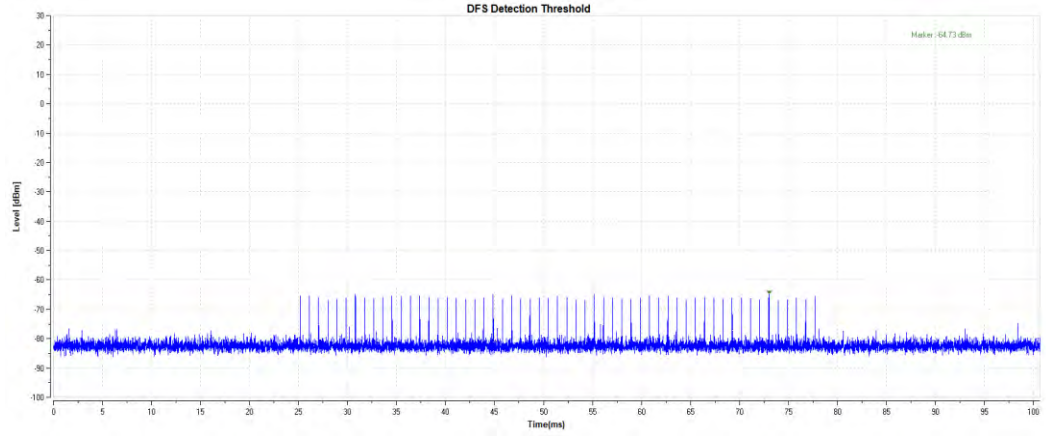


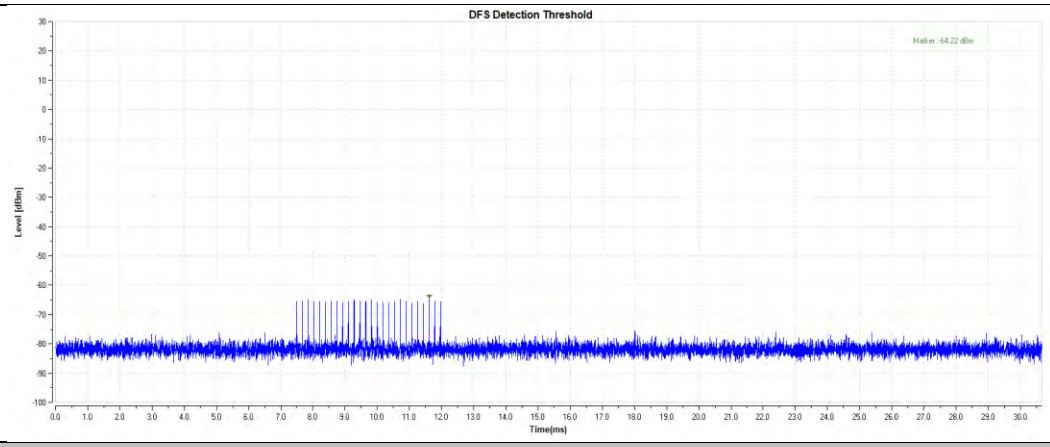
11AX20_5500_Type6



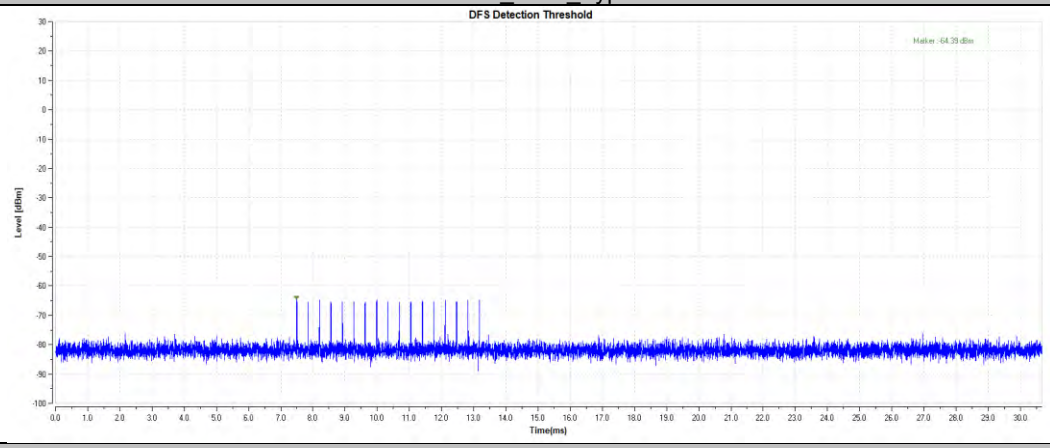
11AX40_5510_Type0



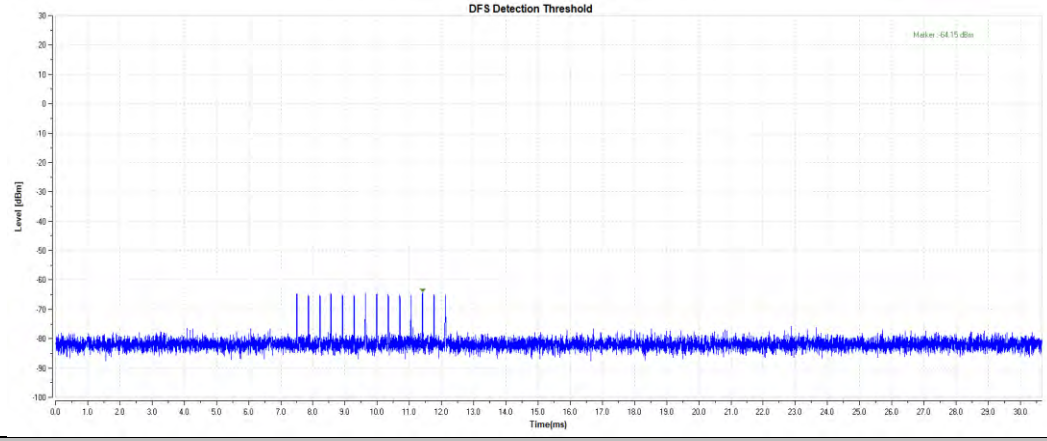
11AX40_5510_Type1



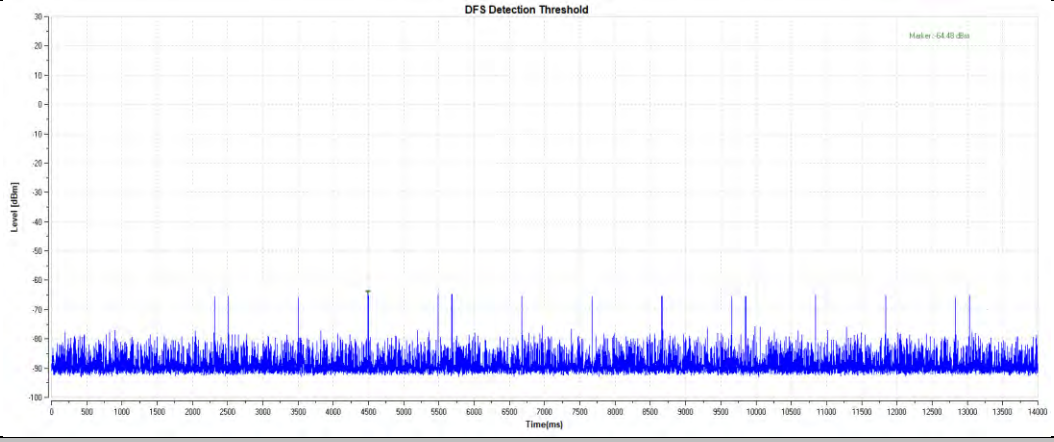
11AX40_5510_Type2



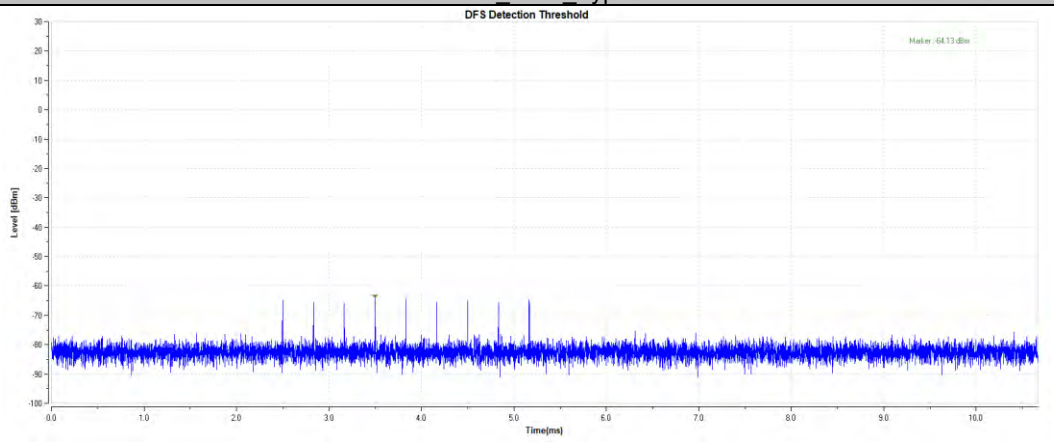
11AX40_5510_Type3



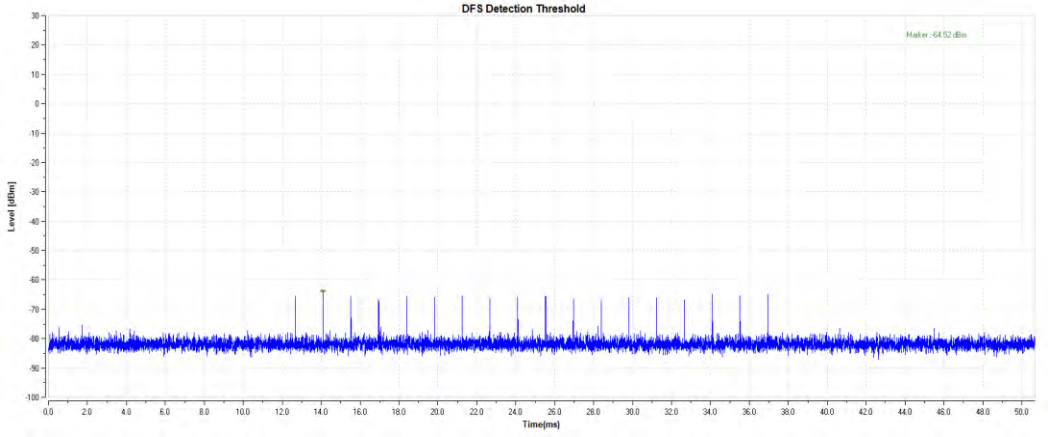
11AX40_5510_Type4



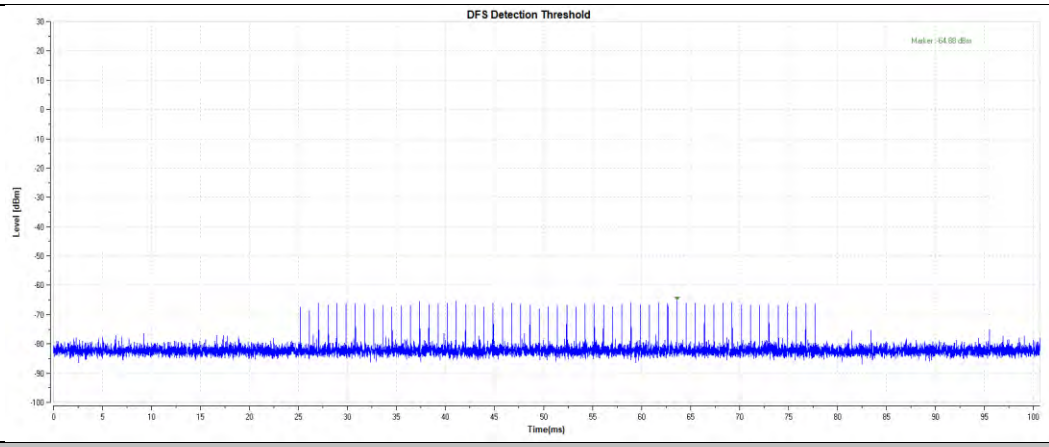
11AX40_5510_Type5



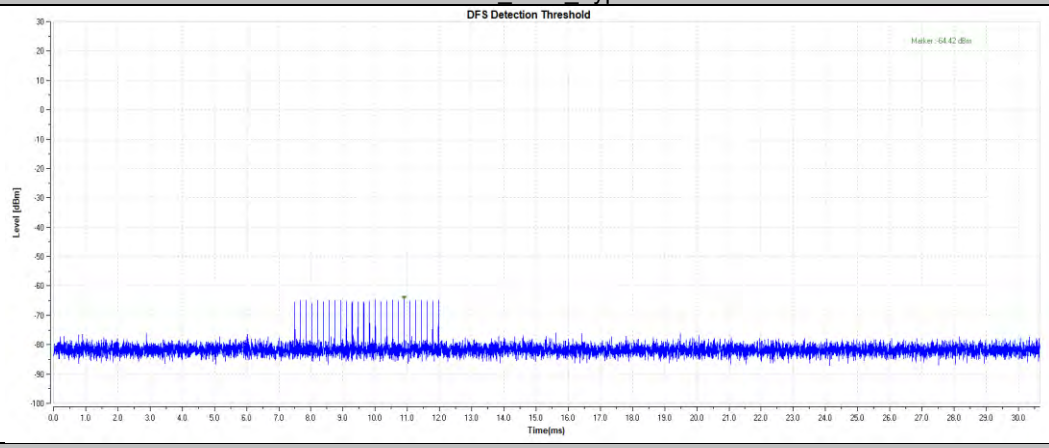
11AX40_5510_Type6



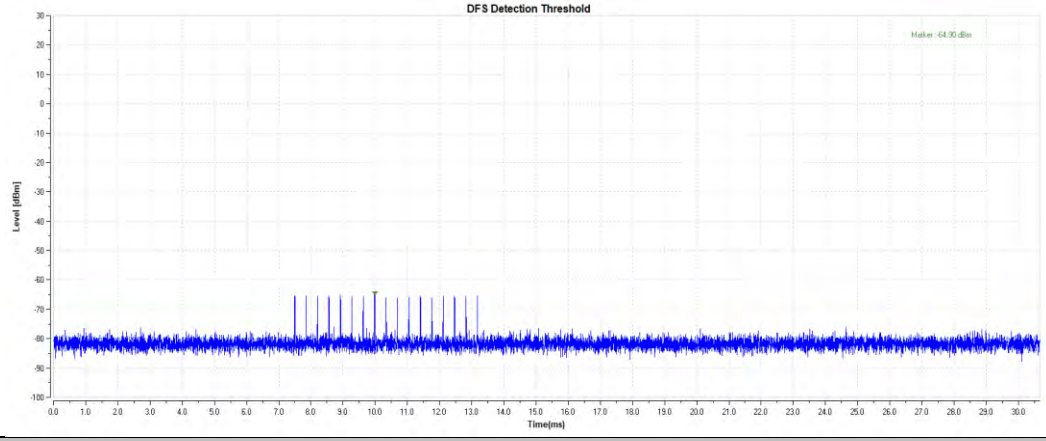
11AX80_5530_Type0



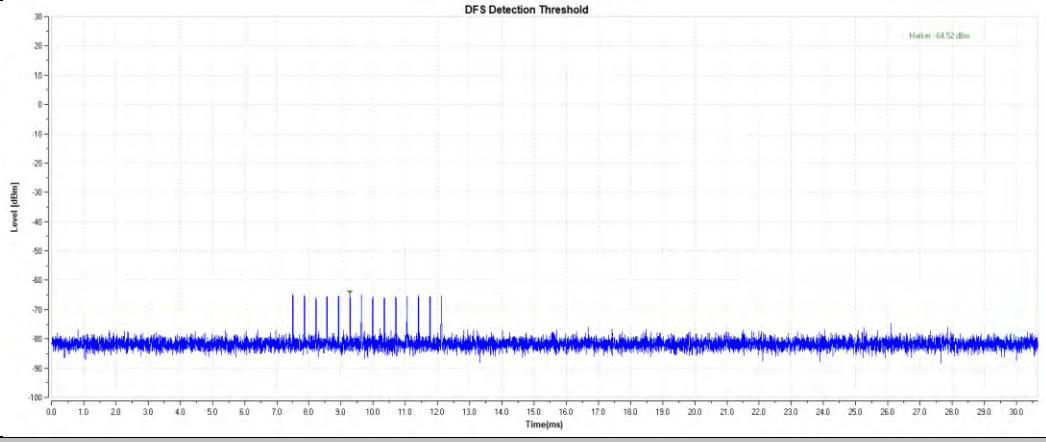
11AX80_5530_Type1



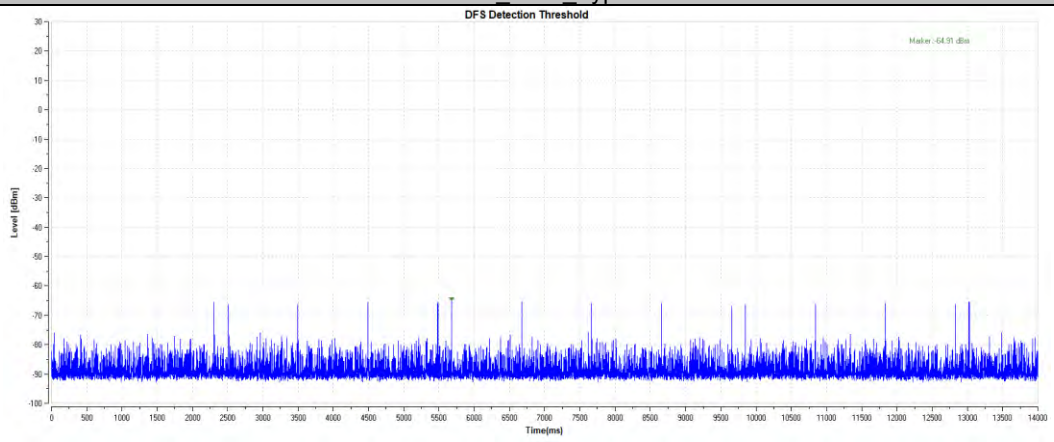
11AX80_5530_Type2



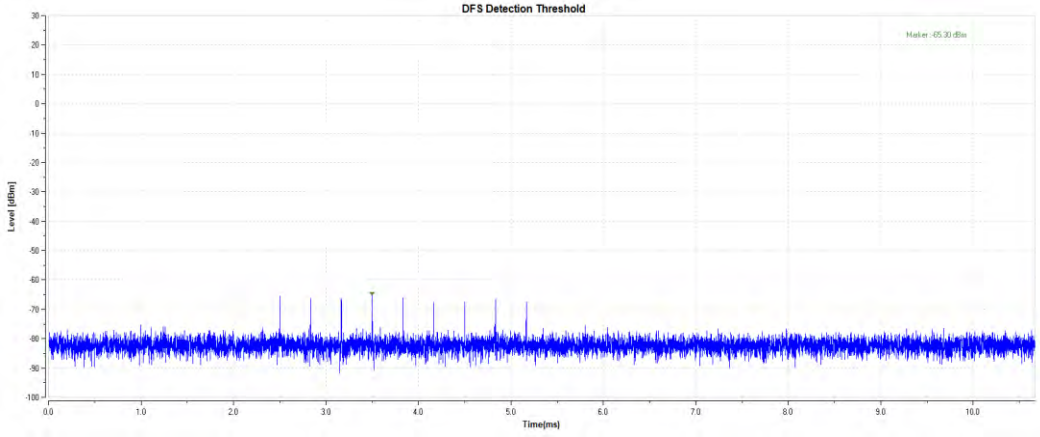
11AX80_5530_Type3



11AX80_5530_Type4



11AX80_5530_Type5



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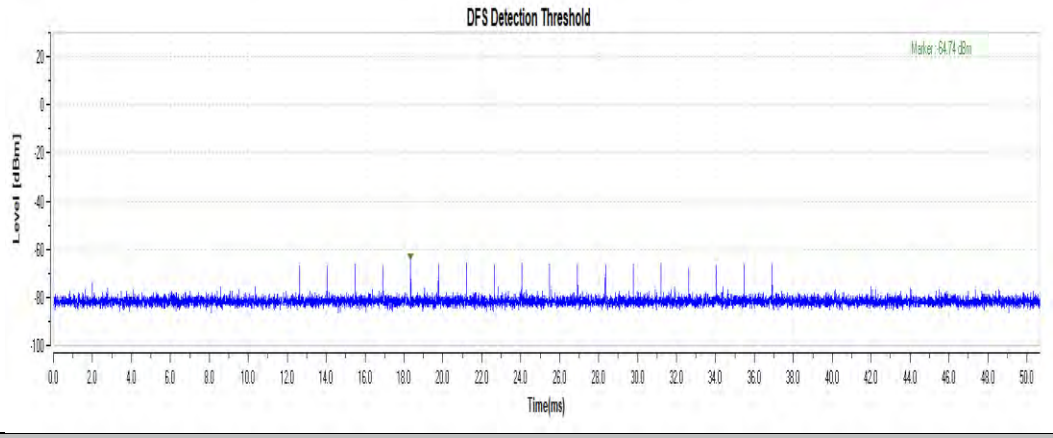

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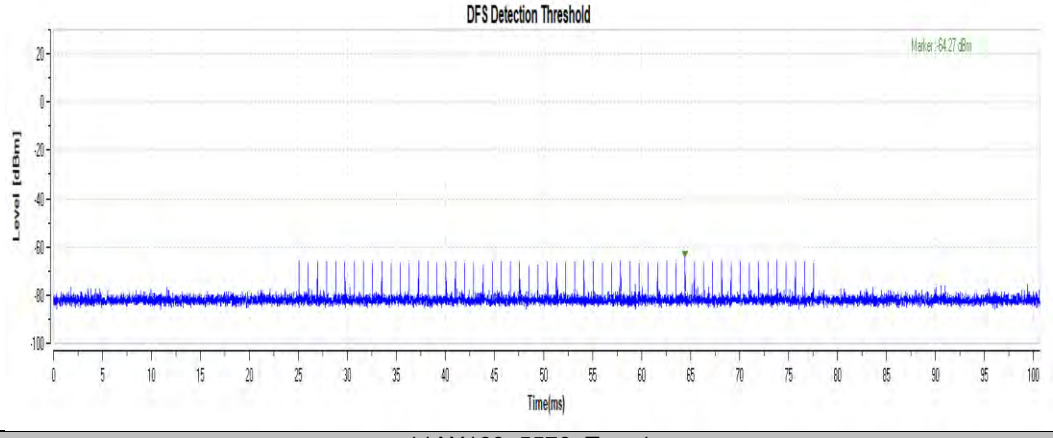
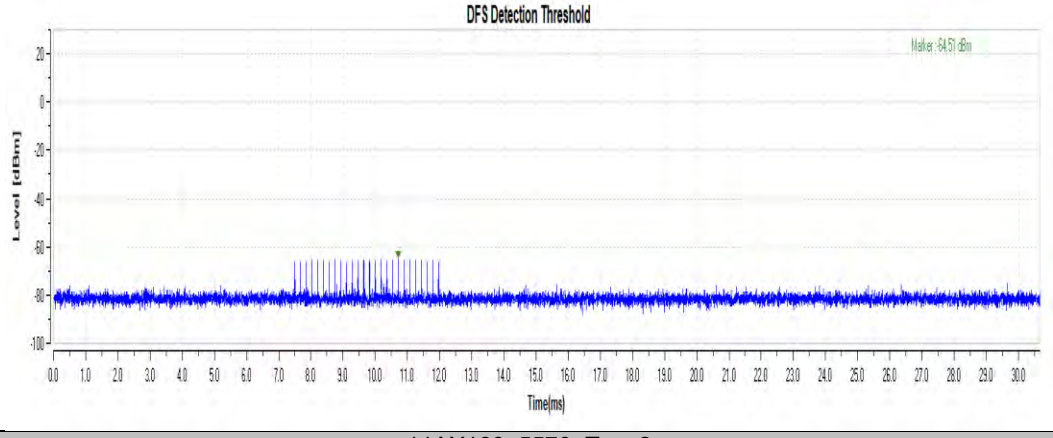
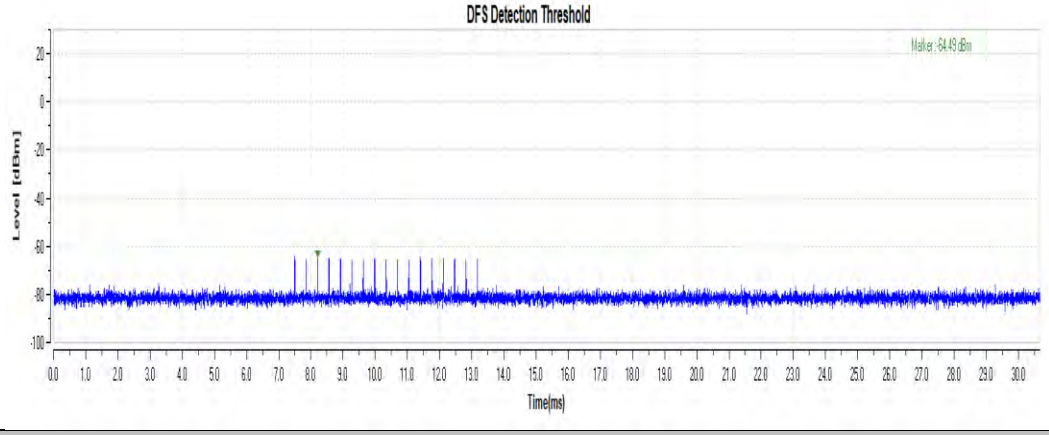


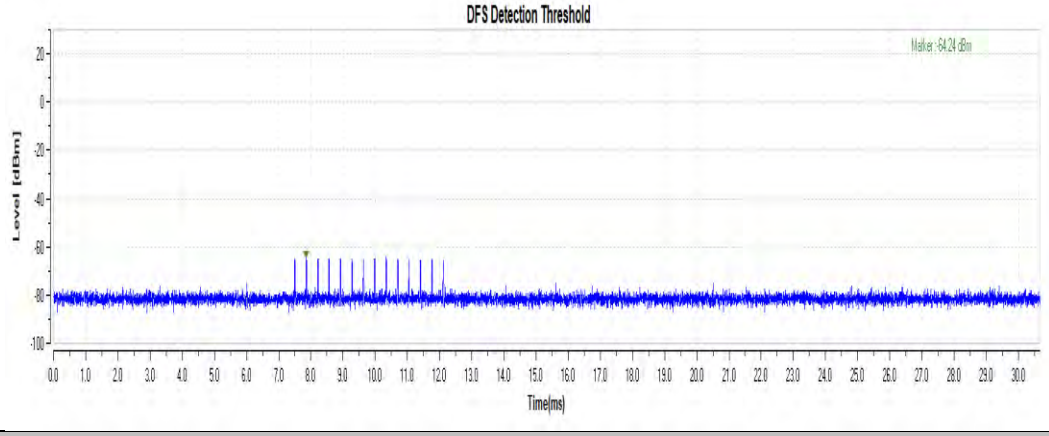
11AX160_5570_Type1



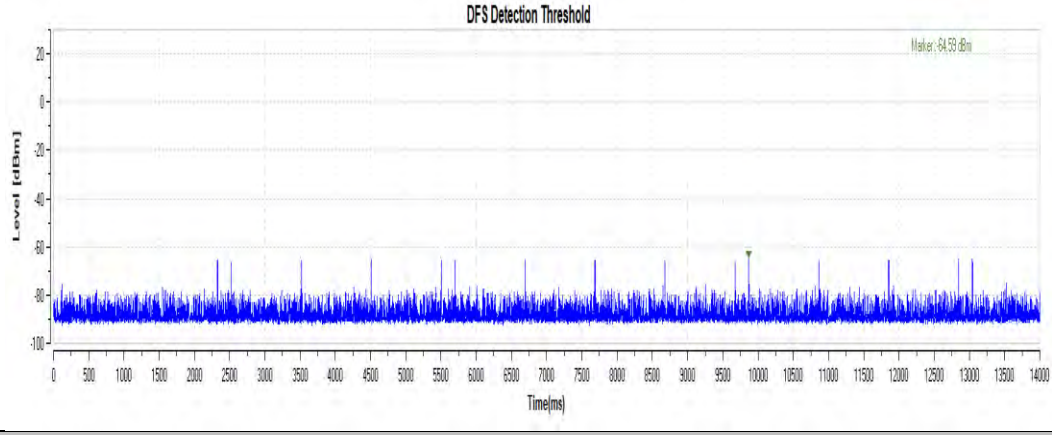
11AX160_5570_Type2



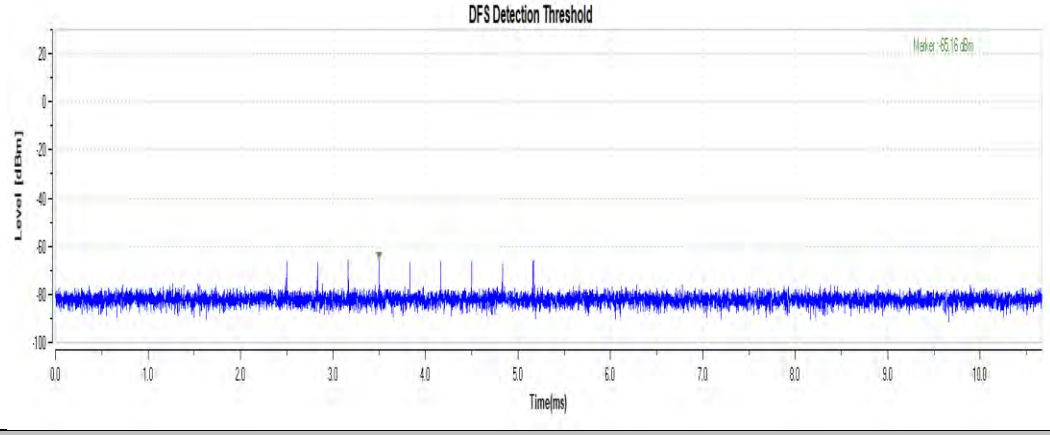
11AX160_5570_Type3



11AX160_5570_Type4



11AX160_5570_Type5



11AX160_5570_Type6

11.8.2. DFS U-NII DETECTION BANDWIDTH FOR AP MODE

DFS U-NII Detection Bandwidth (5500 MHz; 23.000 dBm; 20 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Measured Detection Bandwidth (MHz)	99% Transmission power Bandwidth (MHz)	Overall Result	Overall Comment
5500.000000	0	20.000000	19.462000	PASS	

Detection Bandwidth Detailed Results

Check Frequency (MHz)	Detection count	Percentage of Detection	Minimum Limit	Single Measurement Result	Single Measurement Comment
5485.000000	0 of 10	0 %	90%	FAIL	
5489.000000	0 of 10	0 %	90%	FAIL	
5490.000000	10 of 10	100 %	90%	PASS	Lower Limit
5495.000000	10 of 10	100 %	90%	PASS	
5500.000000	9 of 10	90 %	90%	PASS	
5505.000000	10 of 10	100 %	90%	PASS	
5510.000000	10 of 10	100 %	90%	PASS	Upper Limit
5511.000000	0 of 10	0 %	90%	FAIL	
5515.000000	0 of 10	0 %	90%	FAIL	

DFS U-NII Detection Bandwidth (5510 MHz; 23.000 dBm; 40 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Measured Detection Bandwidth (MHz)	99% Transmission power Bandwidth (MHz)	Overall Result	Overall Comment
5510.000000	0	40.000000	38.137000	PASS	

Detection Bandwidth Detailed Results

Check Frequency (MHz)	Detection count	Percentage of Detection	Minimum Limit	Single Measurement Result	Single Measurement Comment
5485.000000	0 of 10	0 %	90%	FAIL	
5489.000000	0 of 10	0 %	90%	FAIL	
5490.000000	9 of 10	90 %	90%	PASS	Lower Limit
5495.000000	9 of 10	90 %	90%	PASS	
5500.000000	9 of 10	90 %	90%	PASS	
5505.000000	10 of 10	100 %	90%	PASS	
5510.000000	10 of 10	100 %	90%	PASS	
5515.000000	10 of 10	100 %	90%	PASS	
5520.000000	9 of 10	90 %	90%	PASS	
5525.000000	10 of 10	100 %	90%	PASS	
5530.000000	9 of 10	90 %	90%	PASS	Upper Limit
5531.000000	0 of 10	0 %	90%	FAIL	
5535.000000	0 of 10	0 %	90%	FAIL	

DFS U-NII Detection Bandwidth (5530 MHz; 23.000 dBm; 80 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Measured Detection Bandwidth (MHz)	99% Transmission power Bandwidth (MHz)	Overall Result	Overall Comment
5530.000000	0	80.000000	78.002000	PASS	

Detection Bandwidth Detailed Results

Check Frequency (MHz)	Detection count	Percentage of Detection	Minimum Limit	Single Measurement Result	Single Measurement Comment
5485.000000	0 of 10	0 %	90%	FAIL	
5489.000000	0 of 10	0 %	90%	FAIL	
5490.000000	10 of 10	100 %	90%	PASS	Lower Limit
5495.000000	10 of 10	100 %	90%	PASS	
5500.000000	10 of 10	100 %	90%	PASS	
5505.000000	10 of 10	100 %	90%	PASS	
5510.000000	10 of 10	100 %	90%	PASS	
5515.000000	10 of 10	100 %	90%	PASS	
5520.000000	10 of 10	100 %	90%	PASS	
5525.000000	10 of 10	100 %	90%	PASS	
5530.000000	10 of 10	100 %	90%	PASS	
5535.000000	10 of 10	100 %	90%	PASS	
5540.000000	10 of 10	100 %	90%	PASS	
5545.000000	10 of 10	100 %	90%	PASS	
5550.000000	10 of 10	100 %	90%	PASS	
5555.000000	10 of 10	100 %	90%	PASS	
5560.000000	10 of 10	100 %	90%	PASS	
5565.000000	10 of 10	100 %	90%	PASS	
5570.000000	10 of 10	100 %	90%	PASS	Upper Limit
5571.000000	0 of 10	0 %	90%	FAIL	
5575.000000	0 of 10	0 %	90%	FAIL	

DFS U-NII Detection Bandwidth (5570 MHz; 20.290 dBm; 160 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Measured Detection Bandwidth (MHz)	99% Transmission power Bandwidth (MHz)	Overall Result	Overall Comment
5570.000000	0	160.000000	158.140000	PASS	

Detection Bandwidth Detailed Results

Check Frequency (MHz)	Detection count	Percentage of Detection	Minimum Limit	Single Measurement Result	Single Measurement Comment
5485.000000	0 of 10	0 %	90%	FAIL	
5489.000000	0 of 10	0 %	90%	FAIL	
5490.000000	9 of 10	90 %	90%	PASS	Lower Limit
5495.000000	9 of 10	90 %	90%	PASS	
5500.000000	10 of 10	100 %	90%	PASS	
5505.000000	10 of 10	100 %	90%	PASS	
5510.000000	10 of 10	100 %	90%	PASS	
5515.000000	10 of 10	100 %	90%	PASS	
5520.000000	10 of 10	100 %	90%	PASS	
5525.000000	10 of 10	100 %	90%	PASS	
5530.000000	10 of 10	100 %	90%	PASS	
5535.000000	10 of 10	100 %	90%	PASS	
5540.000000	10 of 10	100 %	90%	PASS	
5545.000000	10 of 10	100 %	90%	PASS	
5550.000000	10 of 10	100 %	90%	PASS	
5555.000000	10 of 10	100 %	90%	PASS	
5560.000000	10 of 10	100 %	90%	PASS	
5565.000000	10 of 10	100 %	90%	PASS	
5570.000000	10 of 10	100 %	90%	PASS	
5575.000000	10 of 10	100 %	90%	PASS	
5580.000000	10 of 10	100 %	90%	PASS	
5585.000000	10 of 10	100 %	90%	PASS	
5590.000000	9 of 10	90 %	90%	PASS	
5595.000000	10 of 10	100 %	90%	PASS	
5600.000000	10 of 10	100 %	90%	PASS	
5605.000000	10 of 10	100 %	90%	PASS	
5610.000000	10 of 10	100 %	90%	PASS	
5615.000000	10 of 10	100 %	90%	PASS	
5620.000000	9 of 10	90 %	90%	PASS	
5625.000000	10 of 10	100 %	90%	PASS	
5630.000000	10 of 10	100 %	90%	PASS	
5635.000000	10 of 10	100 %	90%	PASS	
5640.000000	10 of 10	100 %	90%	PASS	
5645.000000	9 of 10	90 %	90%	PASS	
5650.000000	10 of 10	100 %	90%	PASS	Upper Limit
5651.000000	0 of 10	0 %	90%	FAIL	
5655.000000	0 of 10	0 %	90%	FAIL	

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

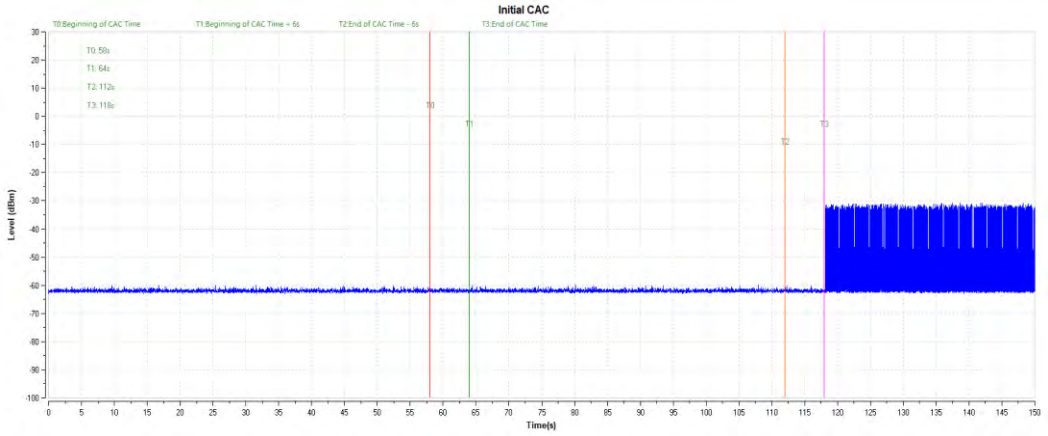
11.8.3. DFS CHANNEL AVAILABILITY CHECK FOR AP MODE

Initial Channel Availability Check Time			
Test Mode	Channel	Result	Verdict
11AX20	5320	See test Graph	PASS
	5500	See test Graph	PASS
11AX160	5250	See test Graph	PASS
	5570	See test Graph	PASS

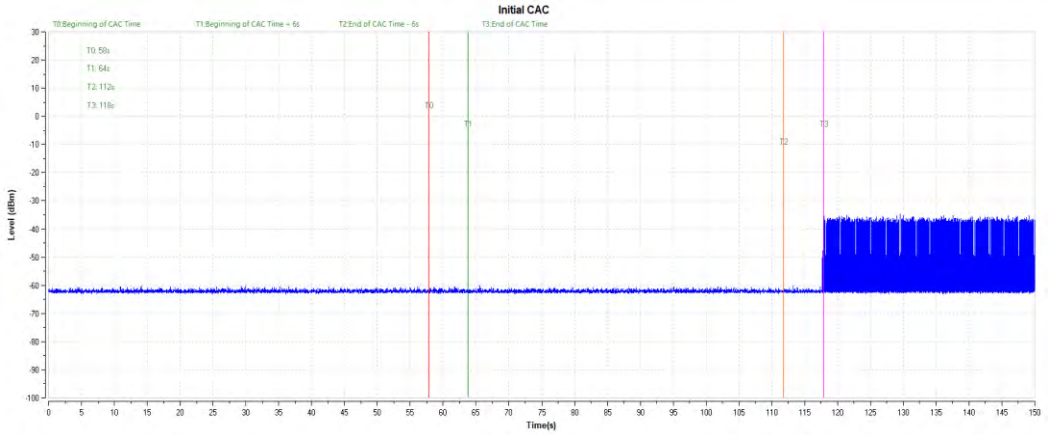
Beginning of Channel Availability Check Time			
Test Mode	Channel	Result	Verdict
11AX20	5320	See test Graph	PASS
	5500	See test Graph	PASS
11AX160	5250	See test Graph	PASS
	5570	See test Graph	PASS

End of Channel Availability Check Time			
Test Mode	Channel	Result	Verdict
11AX20	5320	See test Graph	PASS
	5500	See test Graph	PASS
11AX160	5250	See test Graph	PASS
	5570	See test Graph	PASS

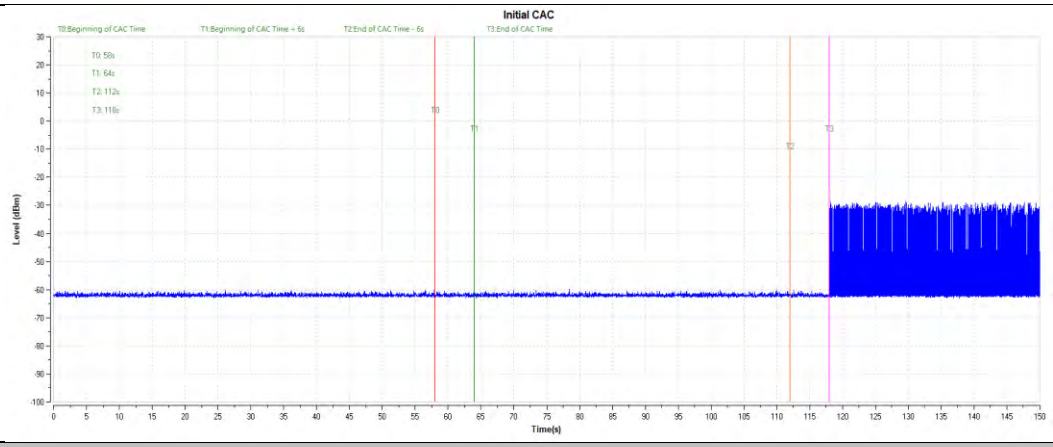
Initial Channel Availability Check Time



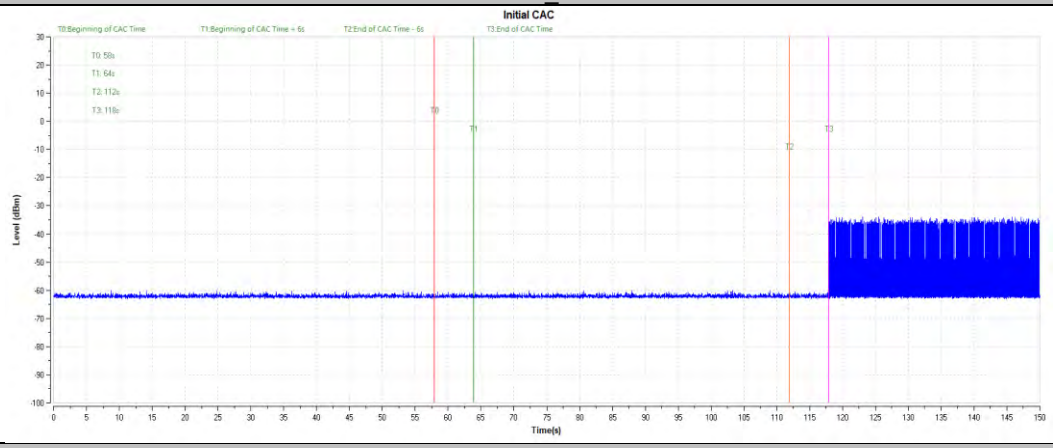
11AX20_5320



11AX20_5500

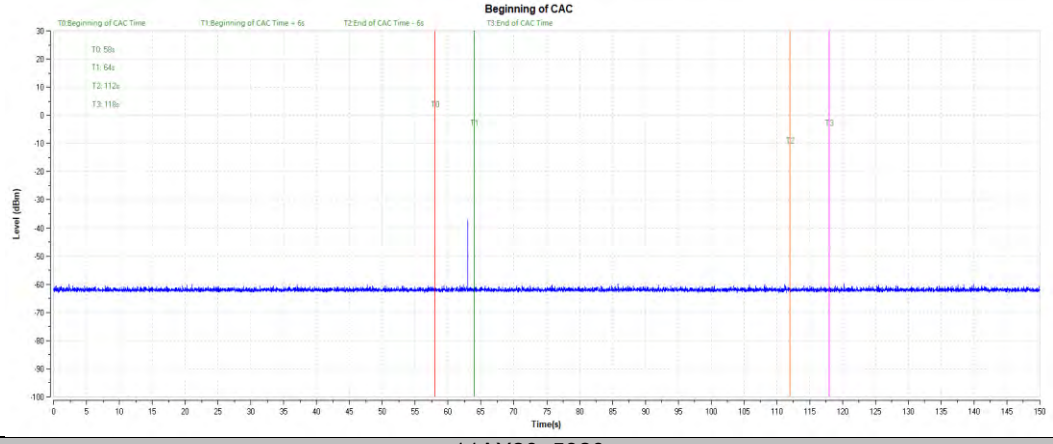


11AX160_5250

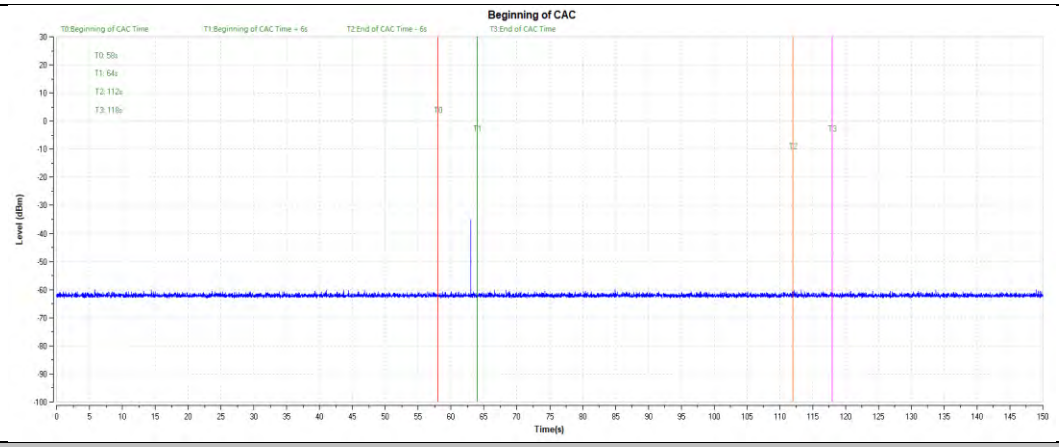


11AX160_5570

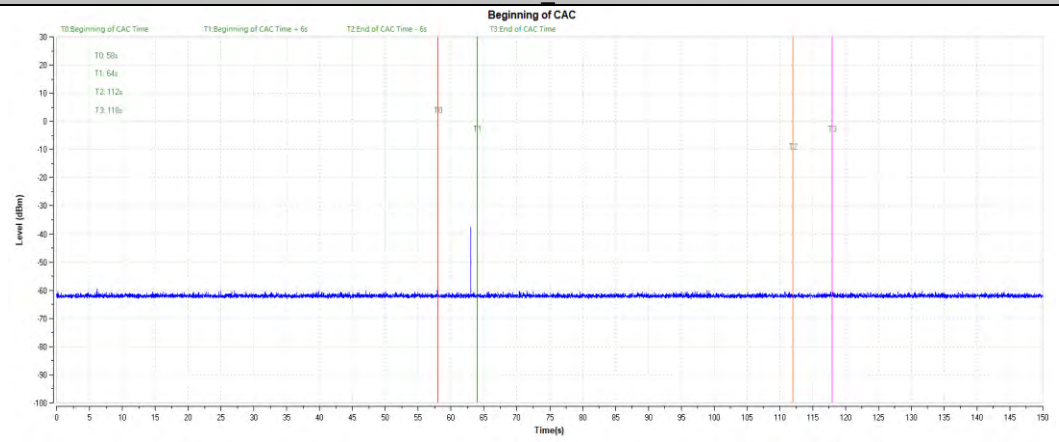
Beginning of Channel Availability Check Time



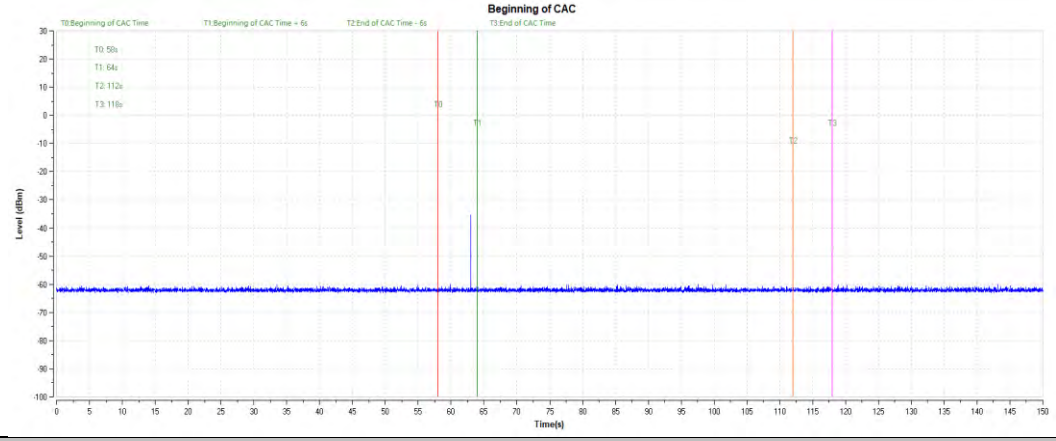
11AX20_5320



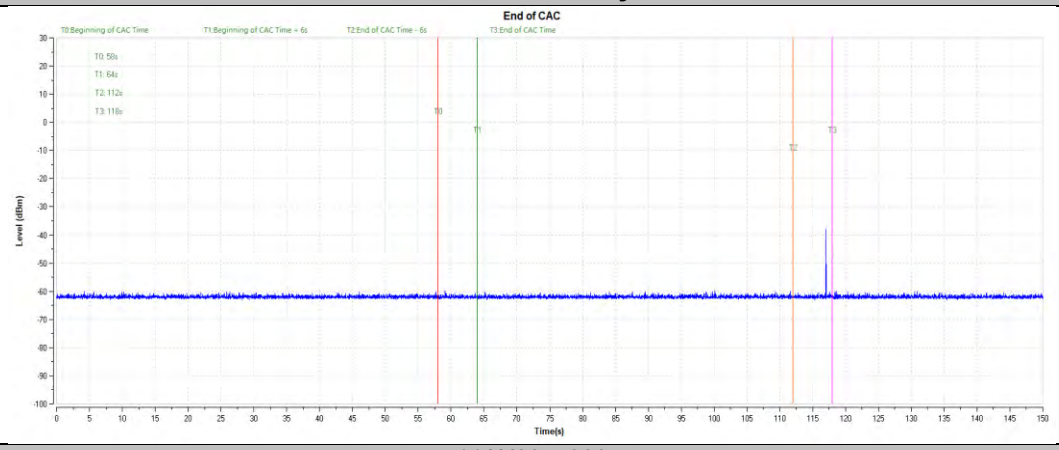
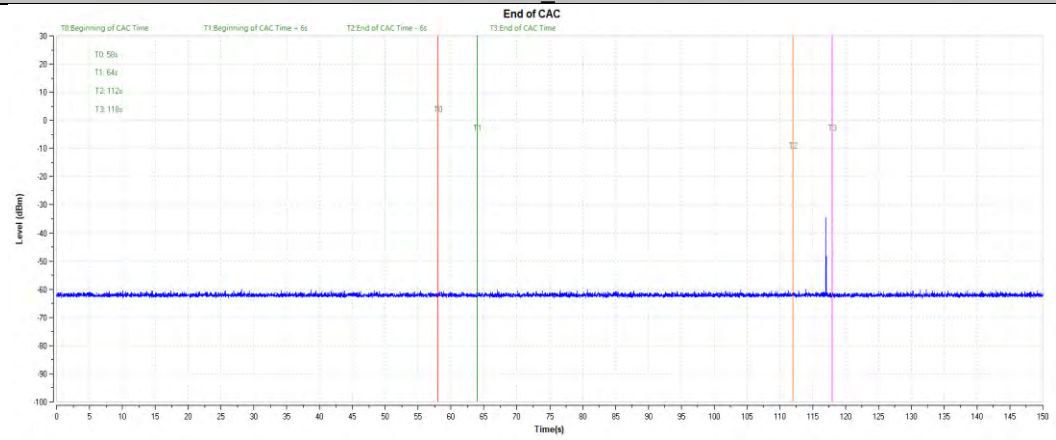
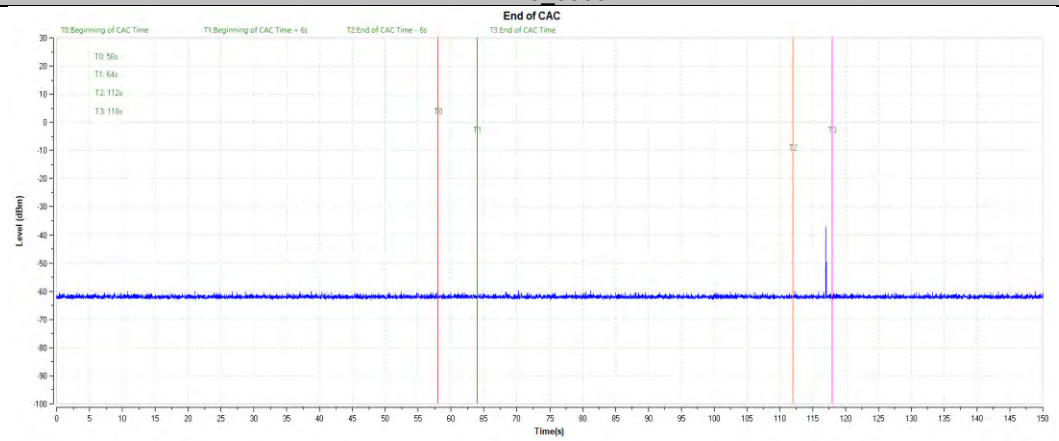
11AX20_5500

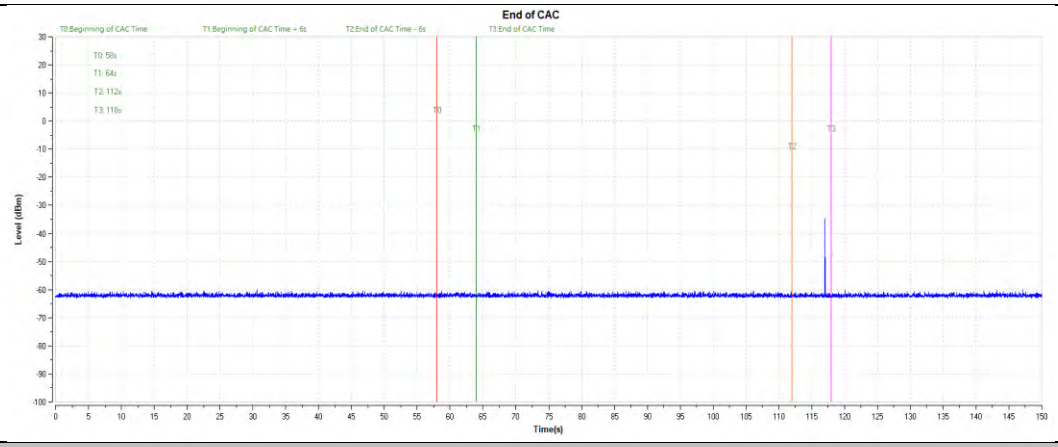


11AX160_5250



11AX160_5570

End of Channel Availability Check Time

11AX20_5320

11AX20_5500

11AX160_5250

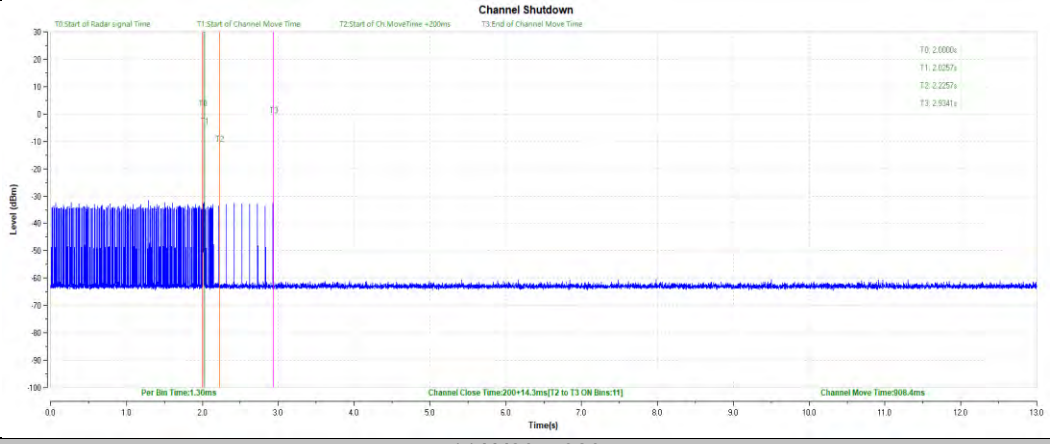


11AX160_5570

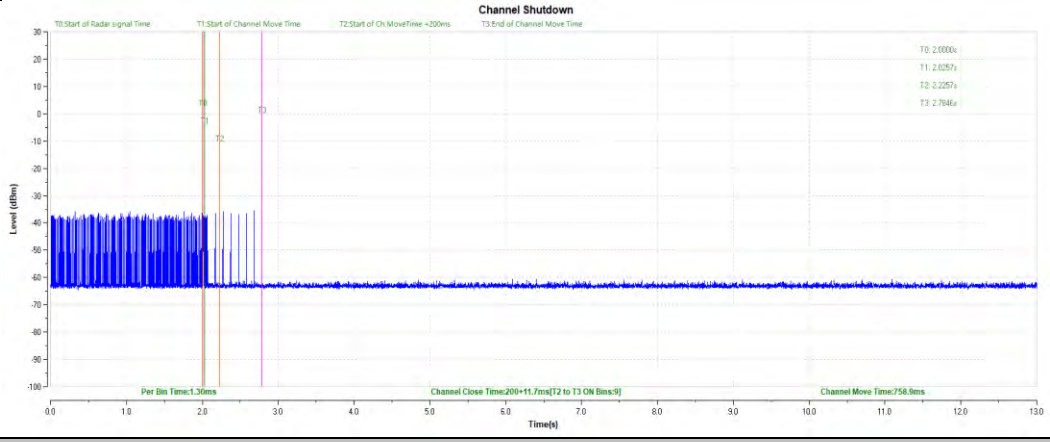
Note: All the modes had been tested, but only the worst data was recorded in the report.

11.8.4. DFS IN-SERVICE MONITORING FOR AP MODE

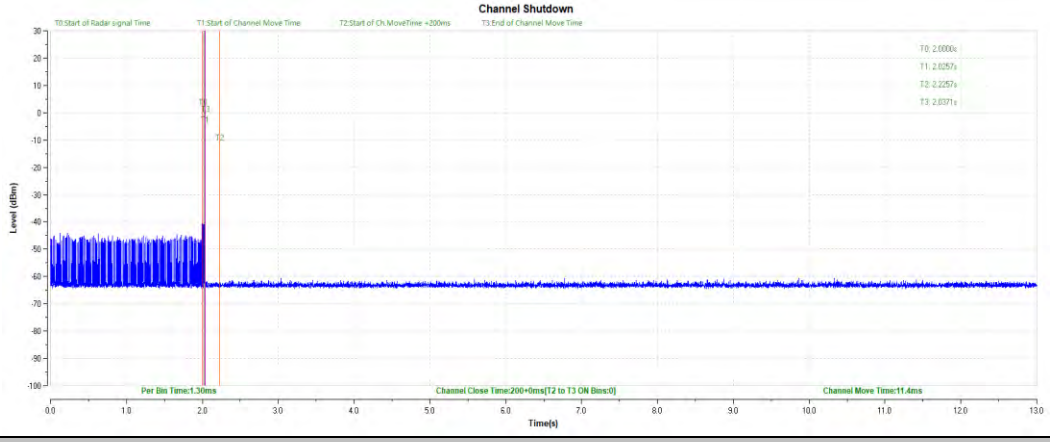
Channel Move Time and Channel Closing Transmission Time						
Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AX20	5320	200+14.3	200+60	908.4	10000	PASS
	5500	200+11.7	200+60	758.9	10000	PASS
11AX160	5250	200+0	200+60	11.4	10000	PASS
	5570	200+0	200+60	93.3	10000	PASS



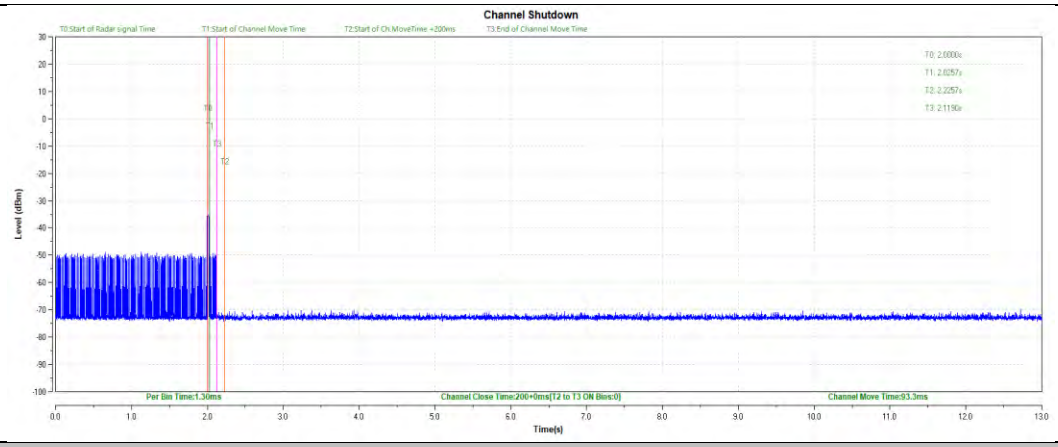
11AX20_5320



11AX20_5500



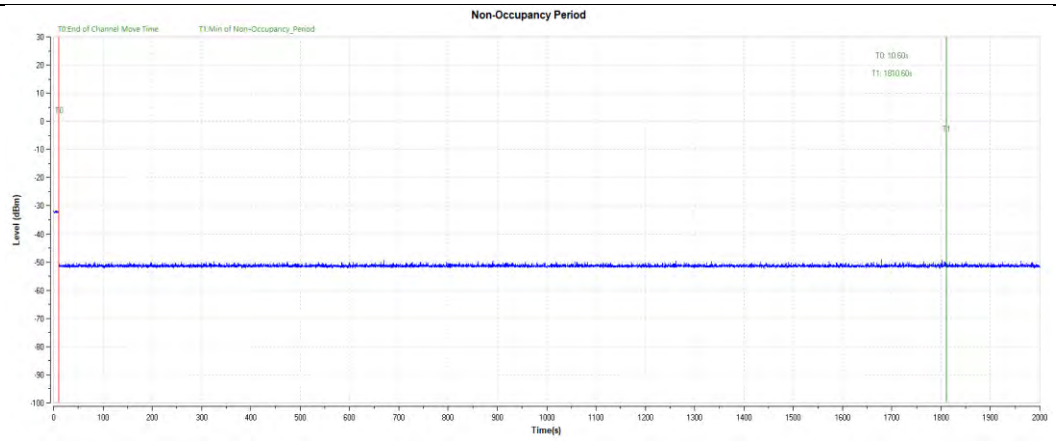
11AX160_5250



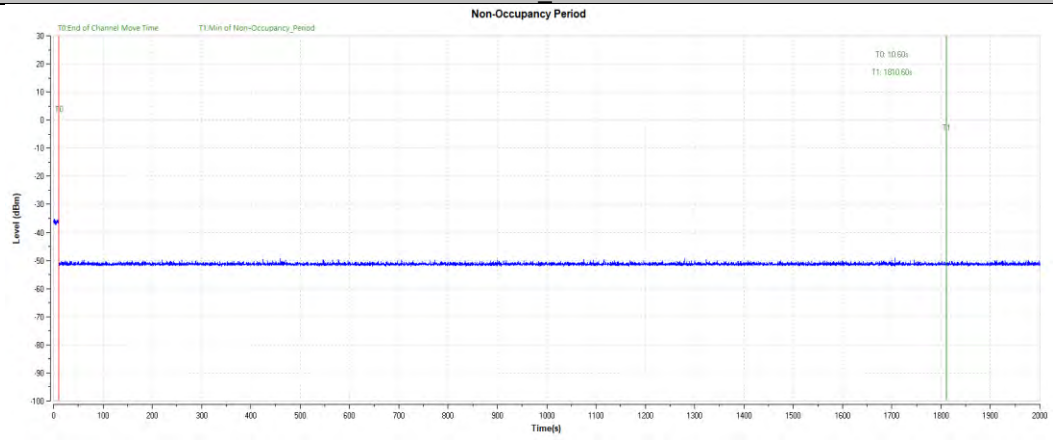
11AX160_5570

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

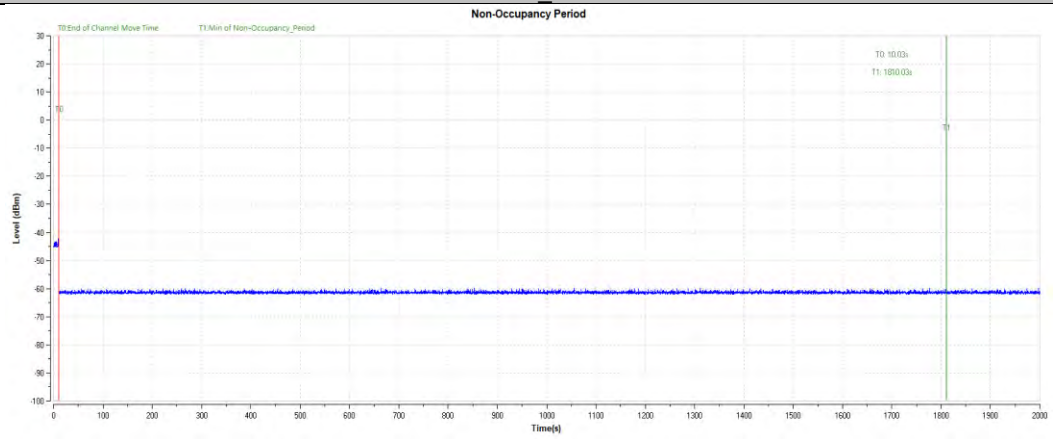
Non-Occupancy Period				
Test Mode	Channel	Result	Limit[s]	Verdict
11AX20	5320	see test graph	≥1800	PASS
	5500	see test graph	≥1800	PASS
11AX160	5250	see test graph	≥1800	PASS
	5570	see test graph	≥1800	PASS



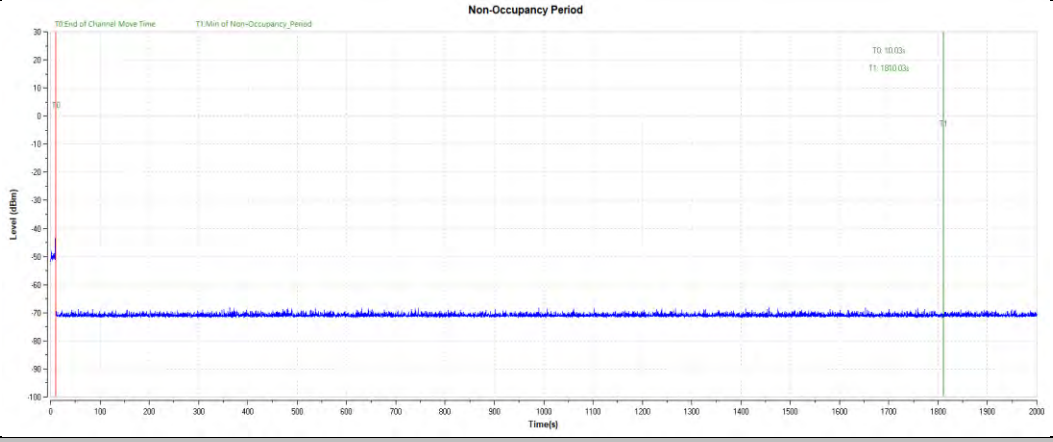
11AX20_5320



11AX20_5500



11AX160_5250



11AX160_5570

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

11.8.5. DFS STATISTICAL PERFORMANCE CHECK FOR AP MODE

DFS Statistical Performance Check (5500 MHz; 23.000 dBm; 20 MHz)

Test according to FCC title 47 part 15 §15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Detection count	Percentage of Detection Px	Detection Limit	Overall Result	Overall Comment
5500.000000	1	28 of 30	93.33%	60.0 %	PASS	
5500.000000	2	28 of 30	93.33%	60.0 %	PASS	
5500.000000	3	29 of 30	96.67%	60.0 %	PASS	
5500.000000	4	30 of 30	100.00%	60.0 %	PASS	
5500.000000	5	28 of 30	93.33%	80.0 %	PASS	
5500.000000	6	30 of 30	100.00%	70.0 %	PASS	

Aggregate Results for Short Pulse Radar Type 1-4

Aggregate Calculation as follows	Aggregate Percentage	Aggregate Limit	Aggregate Result	Aggregate Comment
(P1 + P2 + P3 + P4) / 4	95.83%	80.0 %	PASS	

Detailed Results for Radar Type 1

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	6	1.000	618.000	86	No	
2	30	1.000	1108.000	48	YES	
3	7	1.000	638.000	83	YES	
4	37	1.000	1791.000	30	YES	
5	16	1.000	818.000	65	YES	
6	22	1.000	938.000	57	YES	
7	15	1.000	798.000	67	YES	
8	46	1.000	2669.000	20	YES	
9	42	1.000	2279.000	24	YES	
10	50	1.000	3060.000	18	YES	
11	35	1.000	1596.000	34	YES	
12	36	1.000	1693.000	32	YES	
13	44	1.000	2474.000	22	YES	
14	18	1.000	858.000	62	YES	
15	11	1.000	718.000	74	YES	
16	4	1.000	578.000	92	YES	
17	23	1.000	3066.000	18	YES	
18	1	1.000	518.000	102	YES	
19	5	1.000	598.000	89	YES	
20	20	1.000	898.000	59	YES	
21	25	1.000	620.000	86	YES	
22	17	1.000	838.000	63	YES	
23	48	1.000	2864.000	19	YES	
24	2	1.000	538.000	99	No	
25	24	1.000	522.000	102	YES	
26	47	1.000	2767.000	20	YES	
27	27	1.000	815.000	65	YES	
28	41	1.000	2181.000	25	YES	
29	45	1.000	2572.000	21	YES	
30	38	1.000	1888.000	28	YES	

Detailed Results for Radar Type 2

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	37	3.400	191.000	24	YES	
2	4	4.700	200.000	23	YES	
3	35	1.200	206.000	24	YES	
4	36	3.200	200.000	28	YES	
5	2	4.500	191.000	23	YES	
6	24	4.400	188.000	27	YES	
7	22	2.400	209.000	26	YES	
8	7	1.400	185.000	27	YES	
9	23	3.800	187.000	28	No	
10	14	4.800	175.000	24	YES	
11	42	2.500	215.000	28	YES	
12	47	3.400	213.000	27	YES	
13	1	3.400	168.000	25	YES	
14	13	2.200	193.000	24	YES	
15	11	1.700	224.000	23	YES	
16	18	2.000	153.000	24	YES	
17	5	3.500	226.000	26	YES	
18	49	1.800	159.000	25	YES	
19	30	4.200	173.000	25	YES	
20	32	3.700	222.000	26	YES	
21	46	3.000	191.000	28	YES	
22	28	1.700	216.000	27	YES	
23	3	5.000	192.000	23	YES	
24	10	1.200	175.000	26	YES	
25	31	4.000	154.000	28	YES	
26	38	2.000	180.000	25	YES	
27	19	2.000	200.000	25	YES	
28	48	4.200	227.000	24	YES	
29	34	2.200	197.000	28	No	
30	40	3.600	230.000	27	YES	

Detailed Results for Radar Type 3

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	24	6.000	378.000	17	YES	
2	34	6.400	477.000	17	YES	
3	13	8.400	343.000	17	YES	
4	43	6.700	398.000	17	YES	
5	28	9.800	316.000	17	YES	
6	11	9.000	500.000	16	No	
7	1	8.000	494.000	18	YES	
8	40	7.400	271.000	17	YES	
9	15	8.100	436.000	17	YES	
10	14	6.600	455.000	16	YES	
11	32	8.700	356.000	18	YES	
12	39	7.200	358.000	18	YES	
13	41	7.700	467.000	16	YES	
14	44	7.100	457.000	16	YES	
15	4	8.300	462.000	17	YES	
16	37	7.500	217.000	17	YES	
17	30	8.400	309.000	17	YES	
18	48	9.000	448.000	18	YES	
19	9	6.300	454.000	17	YES	
20	18	6.200	263.000	18	YES	
21	36	9.800	494.000	17	YES	
22	10	9.800	206.000	17	YES	
23	16	8.900	340.000	16	YES	
24	6	7.500	429.000	17	YES	
25	46	8.500	349.000	17	YES	
26	7	6.500	466.000	17	YES	
27	3	9.500	297.000	16	YES	
28	19	9.600	336.000	18	YES	
29	31	8.800	487.000	17	YES	
30	5	8.200	464.000	18	YES	

Detailed Results for Radar Type 4

Trial Number	Random Trial used	Pulse Width (µs)	PRI (µs)	No. of Pulses	Pulses Detected	Comment
1	18	15.600	420.000	15	YES	
2	20	12.300	438.000	13	YES	
3	9	13.300	254.000	14	YES	
4	17	17.100	308.000	15	YES	
5	50	14.400	286.000	12	YES	
6	31	14.400	266.000	14	YES	
7	5	14.100	478.000	15	YES	
8	33	19.500	384.000	13	YES	
9	35	12.600	268.000	13	YES	
10	38	15.500	451.000	15	YES	
11	40	13.600	237.000	15	YES	
12	24	18.100	397.000	14	YES	
13	42	18.500	208.000	14	YES	
14	2	19.900	428.000	12	YES	
15	23	18.300	265.000	14	YES	
16	3	13.600	398.000	15	YES	
17	46	15.300	488.000	14	YES	
18	21	11.700	483.000	16	YES	
19	14	16.600	212.000	16	YES	
20	36	12.500	413.000	14	YES	
21	28	13.000	309.000	14	YES	
22	43	15.800	410.000	15	YES	
23	19	15.700	403.000	16	YES	
24	44	17.900	458.000	14	YES	
25	41	13.300	439.000	14	YES	
26	49	11.100	396.000	13	YES	
27	37	18.100	200.000	15	YES	
28	13	16.000	485.000	14	YES	
29	39	12.400	217.000	14	YES	
30	34	17.300	366.000	14	YES	

Detailed Results for Radar Type 5

Trial Number	Random Trial used	Pulses Detected	Comment
1	35	No	For detailed burst data see separate table Type5_Trial1
2	16	No	For detailed burst data see separate table Type5_Trial2
3	39	YES	For detailed burst data see separate table Type5_Trial3
4	50	YES	For detailed burst data see separate table Type5_Trial4
5	11	YES	For detailed burst data see separate table Type5_Trial5
6	10	YES	For detailed burst data see separate table Type5_Trial6
7	47	YES	For detailed burst data see separate table Type5_Trial7
8	1	YES	For detailed burst data see separate table Type5_Trial8
9	13	YES	For detailed burst data see separate table Type5_Trial9
10	9	YES	For detailed burst data see separate table Type5_Trial10
11	19	YES	For detailed burst data see separate table Type5_Trial11
12	15	YES	For detailed burst data see separate table Type5_Trial12
13	31	YES	For detailed burst data see separate table Type5_Trial13
14	48	YES	For detailed burst data see separate table Type5_Trial14
15	41	YES	For detailed burst data see separate table Type5_Trial15
16	34	YES	For detailed burst data see separate table Type5_Trial16
17	43	YES	For detailed burst data see separate table Type5_Trial17
18	30	YES	For detailed burst data see separate table Type5_Trial18
19	4	YES	For detailed burst data see separate table Type5_Trial19
20	23	YES	For detailed burst data see separate table Type5_Trial20
21	29	YES	For detailed burst data see separate table Type5_Trial21
22	2	YES	For detailed burst data see separate table Type5_Trial22
23	37	YES	For detailed burst data see separate table Type5_Trial23
24	44	YES	For detailed burst data see separate table Type5_Trial24
25	38	YES	For detailed burst data see separate table Type5_Trial25
26	20	YES	For detailed burst data see separate table Type5_Trial26
27	49	YES	For detailed burst data see separate table Type5_Trial27
28	17	YES	For detailed burst data see separate table Type5_Trial28
29	40	YES	For detailed burst data see separate table Type5_Trial29
30	21	YES	For detailed burst data see separate table Type5_Trial30