



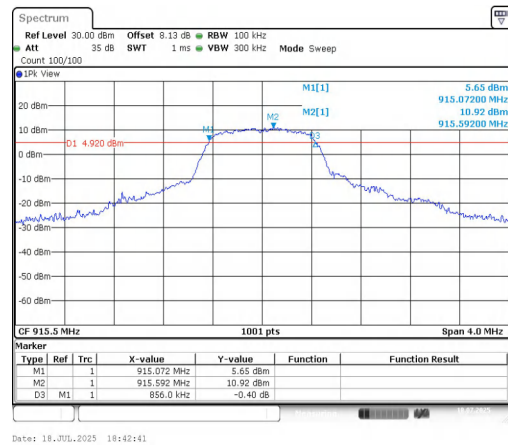
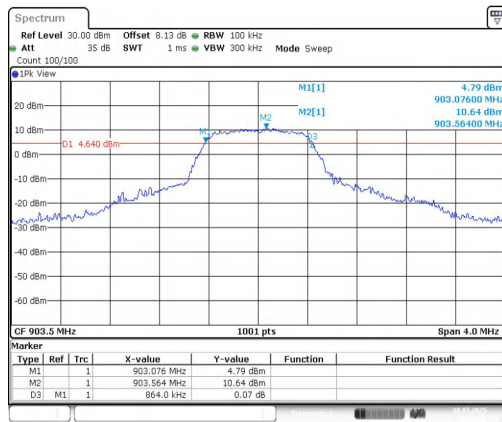
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
WiFi HaLow (1MHz)	Ant1	903.5	0.86	903.08	903.94	0.5	PASS
	Ant1	915.5	0.86	915.07	915.93	0.5	PASS
	Ant1	926.5	0.86	926.07	926.94	0.5	PASS
WiFi HaLow (2MHz)	Ant1	905	1.77	904.12	905.89	0.5	PASS
	Ant1	917	1.76	916.13	917.88	0.5	PASS
	Ant1	925	1.76	924.12	925.88	0.5	PASS
WiFi HaLow (4MHz)	Ant1	906	3.58	904.22	907.79	0.5	PASS
	Ant1	918	3.58	916.22	919.80	0.5	PASS
	Ant1	922	3.62	920.20	923.82	0.5	PASS
WiFi HaLow (8MHz)	Ant1	908	7.44	904.29	911.73	0.5	PASS
	Ant1	916	7.54	912.26	919.79	0.5	PASS

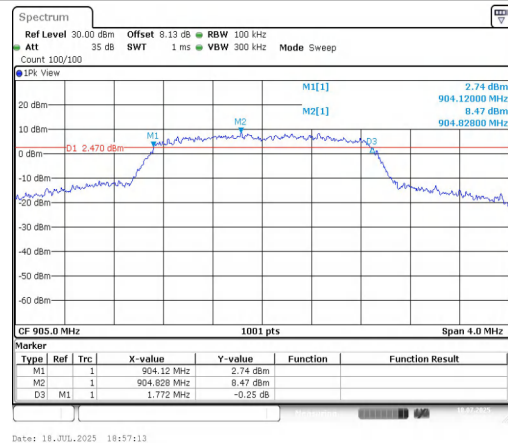
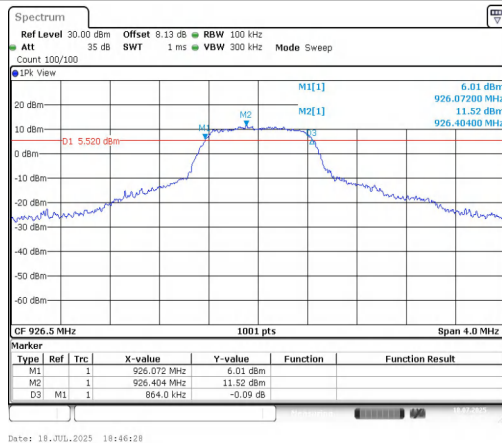


Test Graphs



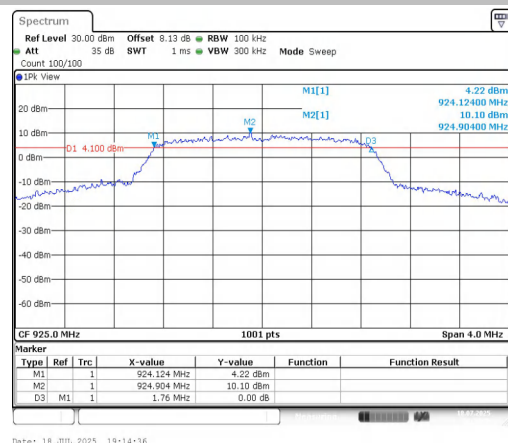
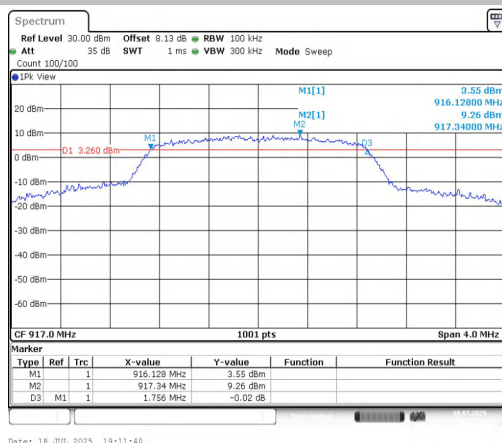
WiFi HaLow (1MHz)-Ant1-903.5-PASS

WiFi HaLow (1MHz)-Ant1-915.5-PASS



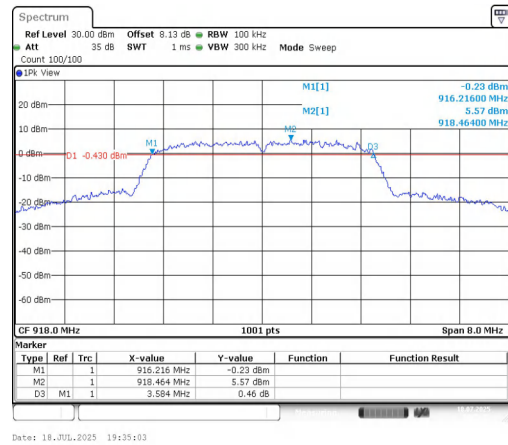
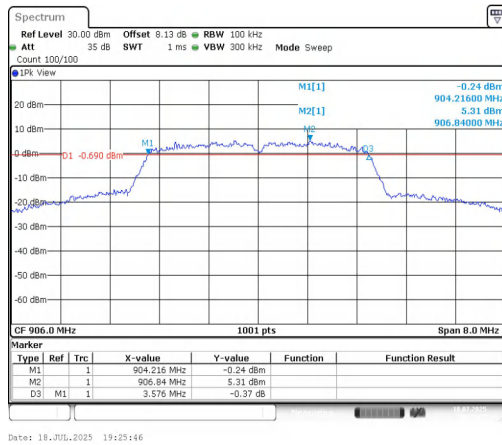
WiFi HaLow (1MHz)-Ant1-926.5-PASS

WiFi HaLow (2MHz)-Ant1-905-PASS



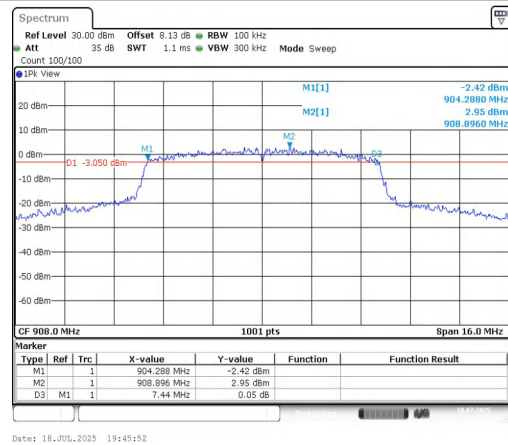
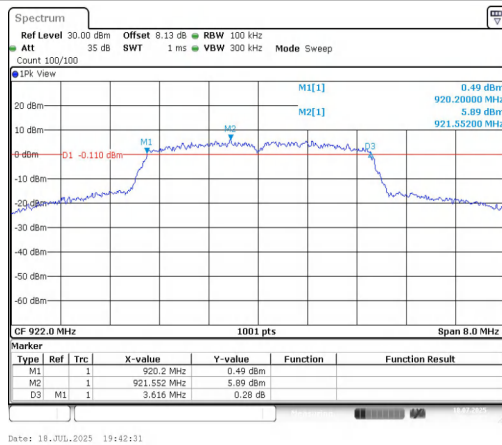
WiFi HaLow (2MHz)-Ant1-917-PASS

WiFi HaLow (2MHz)-Ant1-925-PASS



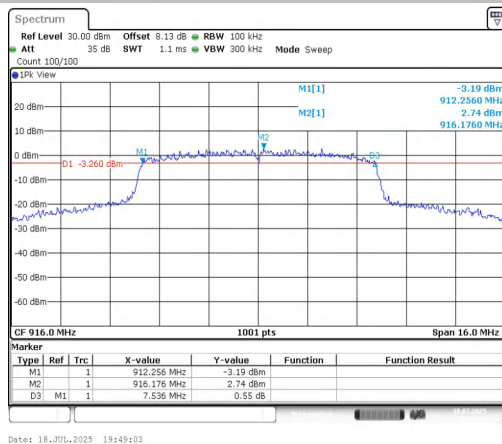
WiFi HaLow (4MHz)-Ant1-906-PASS

WiFi HaLow (4MHz)-Ant1-918-PASS



WiFi HaLow (4MHz)-Ant1-922-PASS

WiFi HaLow (8MHz)-Ant1-908-PASS



WiFi HaLow (8MHz)-Ant1-916-PASS



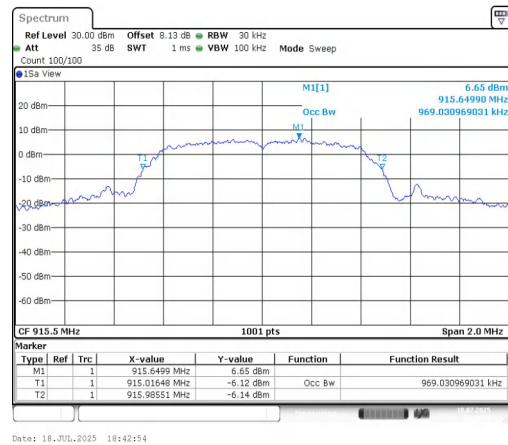
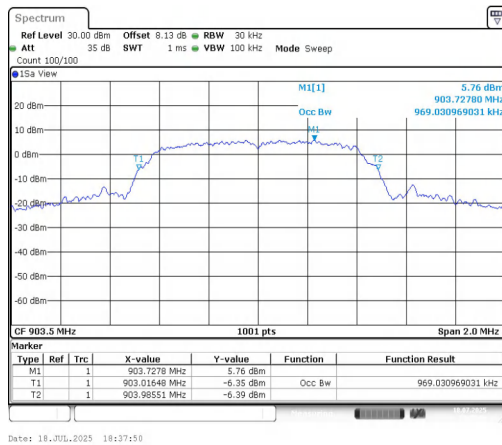
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
WiFi HaLow (1MHz)	Ant1	903.5	0.969	903.0165	903.9855	---	---
	Ant1	915.5	0.969	915.0165	915.9855	---	---
	Ant1	926.5	0.979	926.0125	926.9915	---	---
WiFi HaLow (2MHz)	Ant1	905	2.05	903.9251	905.9750	---	---
	Ant1	917	2.082	915.9091	917.9910	---	---
	Ant1	925	2.054	923.9331	925.9870	---	---
WiFi HaLow (4MHz)	Ant1	906	3.868	904.0500	907.9181	---	---
	Ant1	918	3.884	916.0500	919.9341	---	---
	Ant1	922	3.884	920.0500	923.9341	---	---
WiFi HaLow (8MHz)	Ant1	908	7.736	904.1159	911.8521	---	---
	Ant1	916	7.736	912.1319	919.8681	---	---

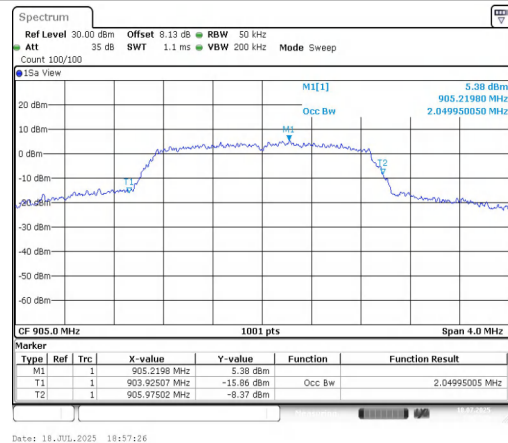
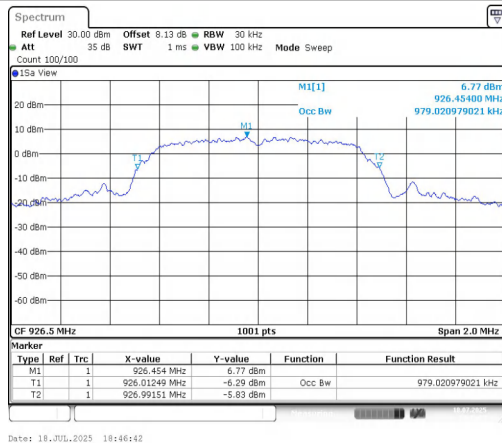


Test Graphs



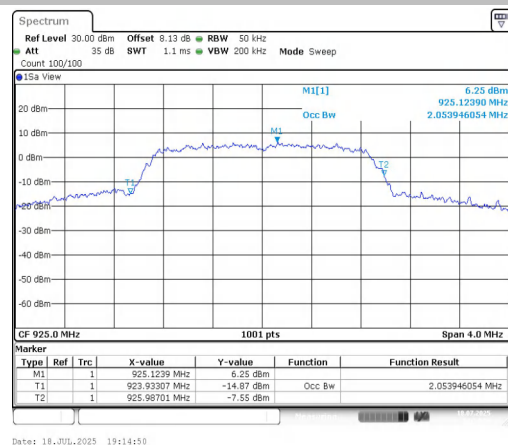
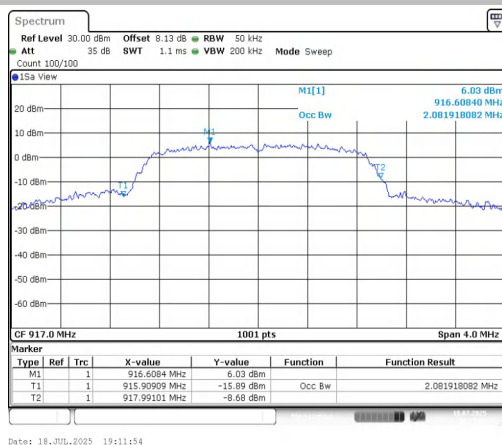
WiFi HaLow (1MHz)-Ant1-903.5

WiFi HaLow (1MHz)-Ant1-915.5



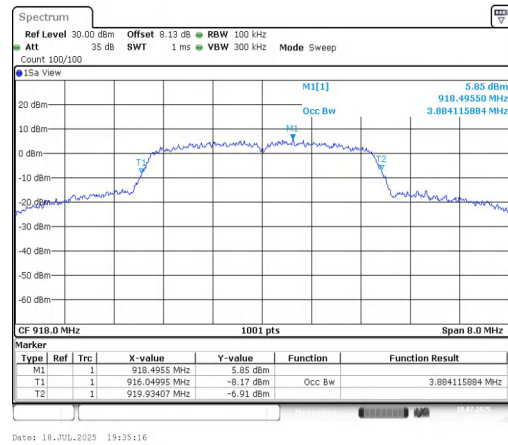
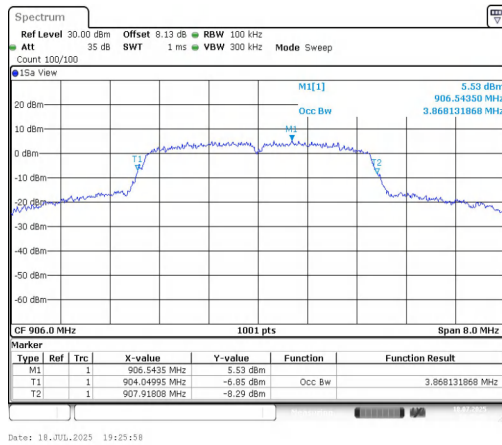
WiFi HaLow (1MHz)-Ant1-926.5

WiFi HaLow (2MHz)-Ant1-905



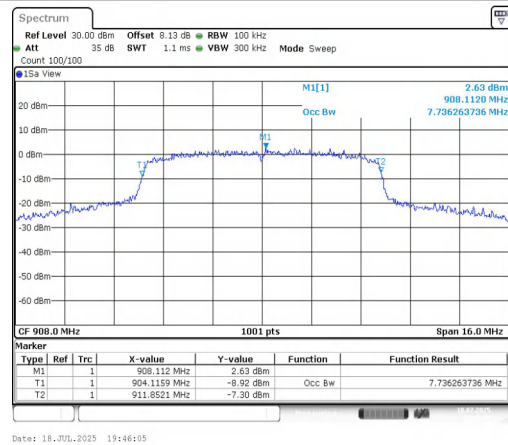
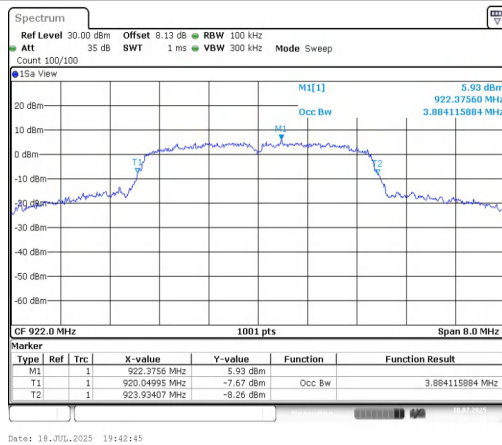
WiFi HaLow (2MHz)-Ant1-917

WiFi HaLow (2MHz)-Ant1-925



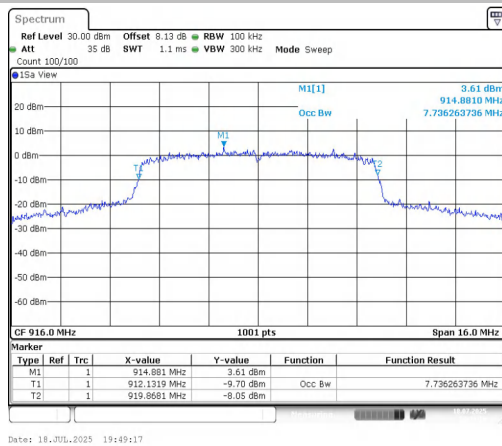
WiFi HaLow (4MHz)-Ant1-906

WiFi HaLow (4MHz)-Ant1-918



WiFi HaLow (4MHz)-Ant1-922

WiFi HaLow (8MHz)-Ant1-908



WiFi HaLow (8MHz)-Ant1-916



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Peak Power Limit [dBm]	Verdict
WiFi HaLow (1MHz)	Ant1	903.5	12.54	≤30.00	PASS
	Ant1	915.5	12.75	≤30.00	PASS
	Ant1	926.5	13.27	≤30.00	PASS
WiFi HaLow (2MHz)	Ant1	905	14.53	≤30.00	PASS
	Ant1	917	14.86	≤30.00	PASS
	Ant1	925	15.24	≤30.00	PASS
WiFi HaLow 4MHz)	Ant1	906	16.48	≤30.00	PASS
	Ant1	918	16.88	≤30.00	PASS
	Ant1	922	17.12	≤30.00	PASS
WiFi HaLow (8MHz)	Ant1	908	17.99	≤30.00	PASS
	Ant1	916	18.30	≤30.00	PASS

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Reading Power [dBm]	DC Factor [dB]	AV Power [dBm]	AV Power Limit [dBm]	Verdict
WiFi HaLow (1MHz)	Ant1	903.5	8.88	0.49	9.37	≤30.00	PASS
	Ant1	915.5	8.90	0.49	9.39	≤30.00	PASS
	Ant1	926.5	8.94	0.48	9.42	≤30.00	PASS
WiFi HaLow (2MHz)	Ant1	905	8.69	0.31	9.00	≤30.00	PASS
	Ant1	917	8.67	0.31	8.98	≤30.00	PASS
	Ant1	925	8.70	0.31	9.01	≤30.00	PASS
WiFi HaLow 4MHz)	Ant1	906	8.29	0.60	8.89	≤30.00	PASS
	Ant1	918	8.37	0.60	8.97	≤30.00	PASS
	Ant1	922	8.38	0.60	8.98	≤30.00	PASS
WiFi HaLow (8MHz)	Ant1	908	7.82	1.16	8.98	≤30.00	PASS
	Ant1	916	7.94	1.16	9.10	≤30.00	PASS

AV Power [dBm]= Reading power +DC Factor



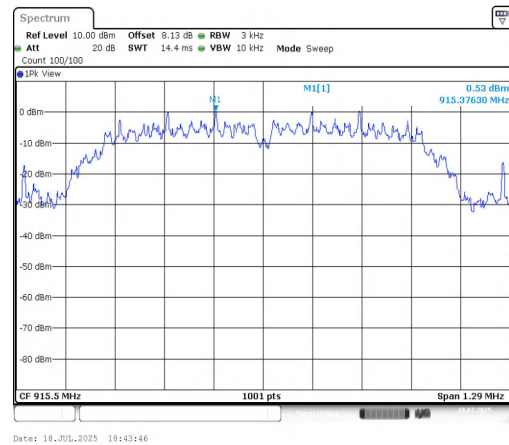
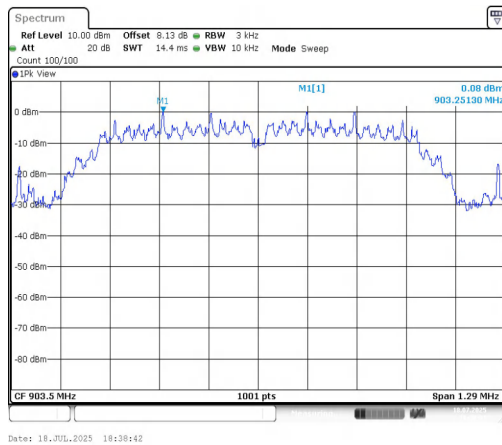
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
WiFi HaLow (1MHz)	Ant1	903.5	0.08	≤8.00	PASS
	Ant1	915.5	0.53	≤8.00	PASS
	Ant1	926.5	0.99	≤8.00	PASS
WiFi HaLow (2MHz)	Ant1	905	-3.79	≤8.00	PASS
	Ant1	917	-3.16	≤8.00	PASS
	Ant1	925	-2.88	≤8.00	PASS
WiFi HaLow (4MHz)	Ant1	906	-8.61	≤8.00	PASS
	Ant1	918	-8.23	≤8.00	PASS
	Ant1	922	-7.71	≤8.00	PASS
WiFi HaLow (8MHz)	Ant1	908	-9.59	≤8.00	PASS
	Ant1	916	-9.56	≤8.00	PASS

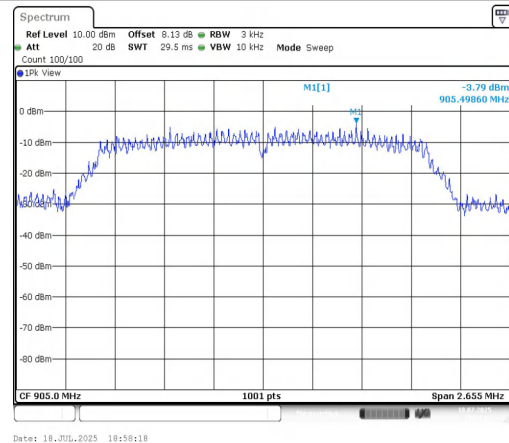
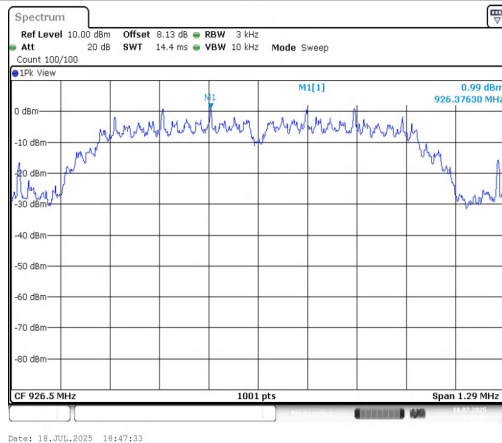


Test Graphs



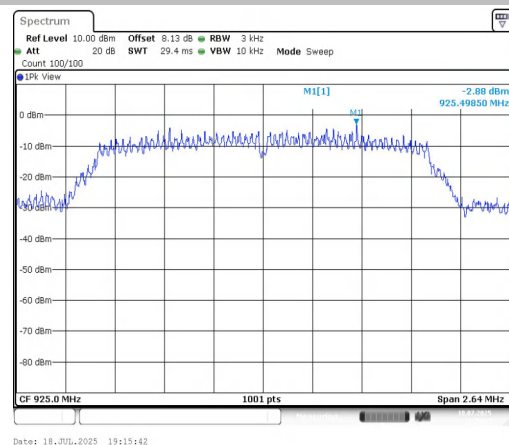
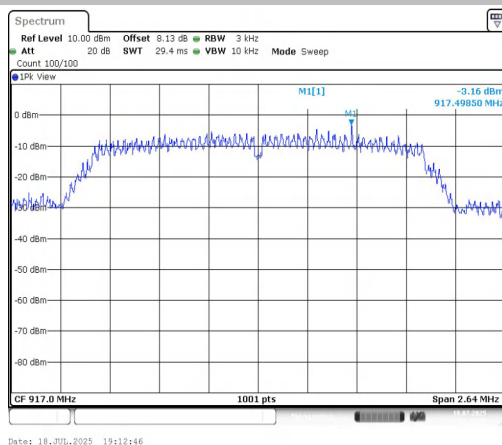
WiFi HaLow (1MHz)-Ant1-903.5-PASS

WiFi HaLow (1MHz)-Ant1-915.5-PASS



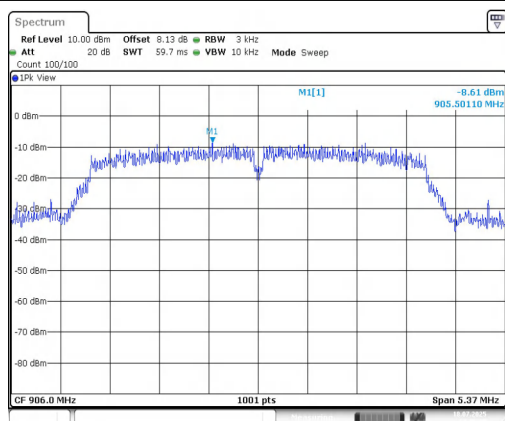
WiFi HaLow (1MHz)-Ant1-926.5-PASS

WiFi HaLow (2MHz)-Ant1-905-PASS

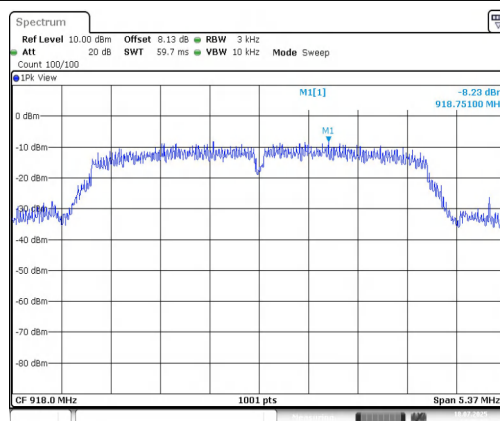


WiFi HaLow (2MHz)-Ant1-917-PASS

WiFi HaLow (2MHz)-Ant1-925-PASS



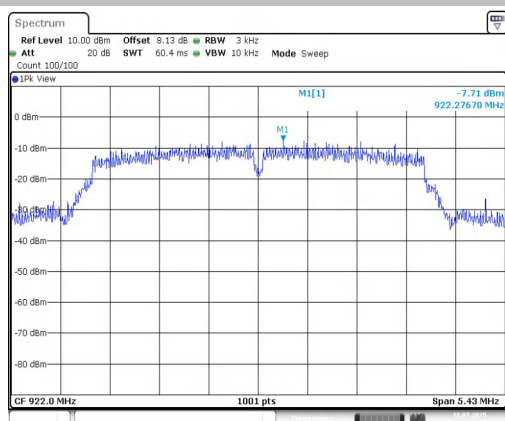
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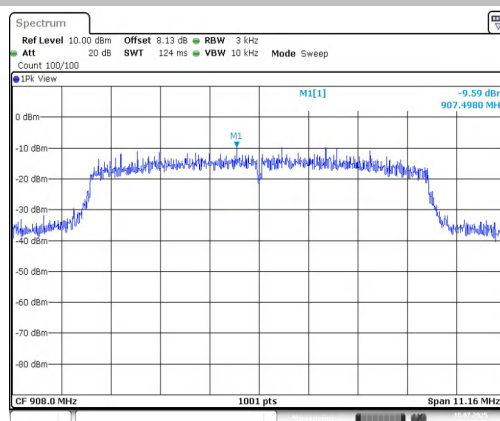
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WiFi HaLow (4MHz)-Ant1-906-PASS

WiFi HaLow (4MHz)-Ant1-918-PASS



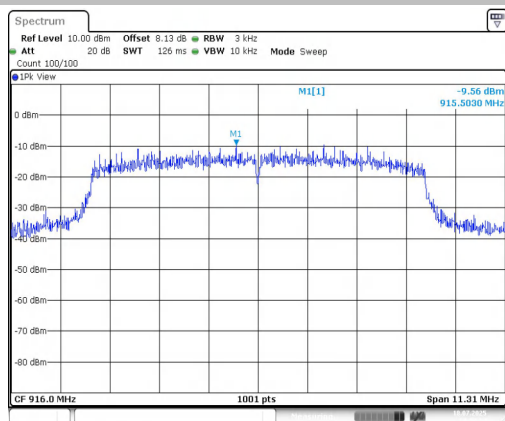
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Date: 18_JUL_2025 19:47:02

WiFi HaLow (4MHz)-Ant1-922-PASS

WiFi HaLow (8MHz)-Ant1-908-PASS



Date: 18_JUL_2025 19:50:14

WiFi HaLow (8MHz)-Ant1-916-PASS



Appendix E: Conducted Spurious Emission

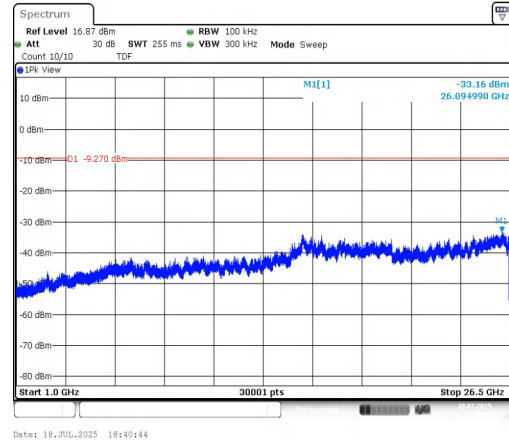
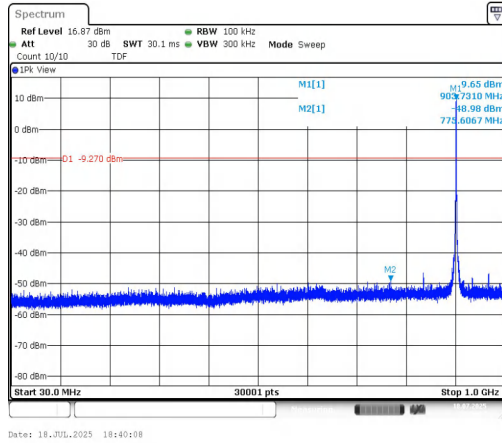
Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
WiFi HaLow (1MHz)	Ant1	903.5	30~1000	10.73	-48.98	≤-9.27	PASS
	Ant1	903.5	1000~26500	10.73	-33.16	≤-9.27	PASS
	Ant1	915.5	30~1000	10.78	-47.91	≤-9.22	PASS
	Ant1	915.5	1000~26500	10.78	-33.45	≤-9.22	PASS
	Ant1	926.5	30~1000	11.29	-48.32	≤-8.71	PASS
	Ant1	926.5	1000~26500	11.29	-32.43	≤-8.71	PASS
WiFi HaLow (2MHz)	Ant1	905	30~1000	8.42	-49.15	≤-11.58	PASS
	Ant1	905	1000~26500	8.42	-33.17	≤-11.58	PASS
	Ant1	917	30~1000	8.60	-48.47	≤-11.4	PASS
	Ant1	917	1000~26500	8.60	-32.92	≤-11.4	PASS
	Ant1	925	30~1000	9.98	-48.81	≤-10.02	PASS
	Ant1	925	1000~26500	9.98	-32.25	≤-10.02	PASS
WiFi HaLow (4MHz)	Ant1	906	30~1000	5.34	-48.83	≤-14.66	PASS
	Ant1	906	1000~26500	5.34	-33.17	≤-14.66	PASS
	Ant1	918	30~1000	5.19	-48.73	≤-14.81	PASS
	Ant1	918	1000~26500	5.19	-32.52	≤-14.81	PASS
	Ant1	922	30~1000	5.90	-48.76	≤-14.1	PASS
	Ant1	922	1000~26500	5.90	-32.83	≤-14.1	PASS
WiFi HaLow (8MHz)	Ant1	908	30~1000	3.10	-49.65	≤-16.9	PASS
	Ant1	908	1000~26500	3.10	-33.12	≤-16.9	PASS
	Ant1	916	30~1000	2.54	-49.46	≤-17.46	PASS
	Ant1	916	1000~26500	2.54	-32.01	≤-17.46	PASS

Note: The built-in loss(TDF) includes the cable loss and attenuation coefficient.

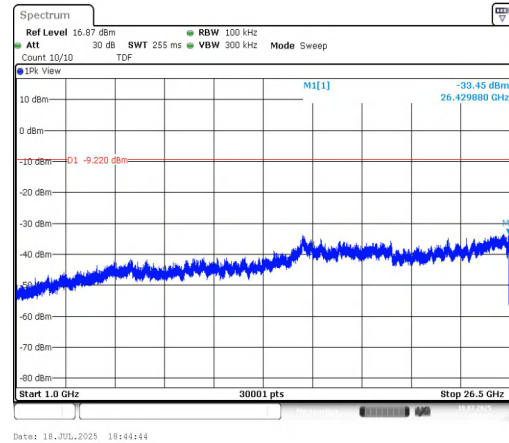
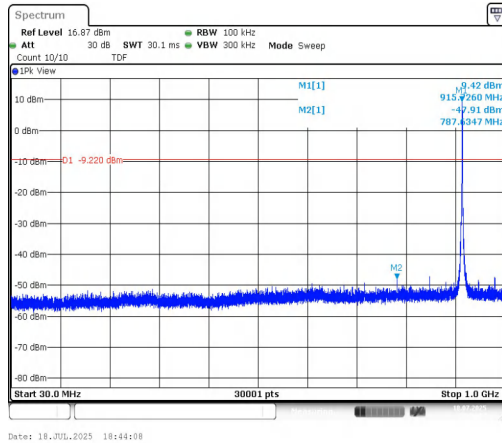


Test Graphs



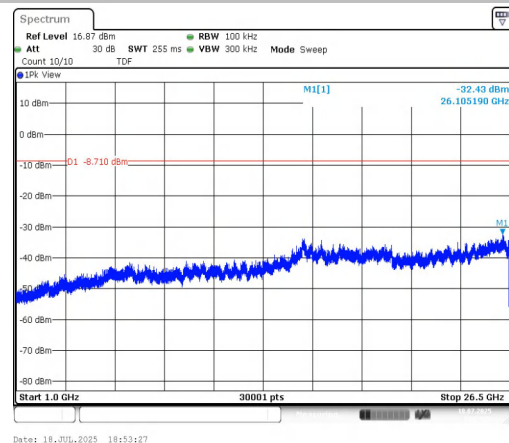
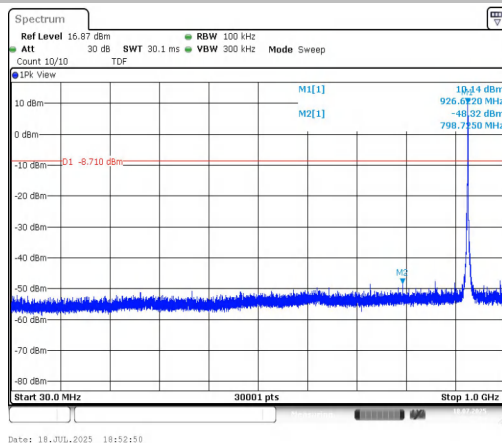
WiFi HaLow (1MHz)-Ant1-903.5-30~1000-PASS

WiFi HaLow (1MHz)-Ant1-903.5-1000~26500-PASS



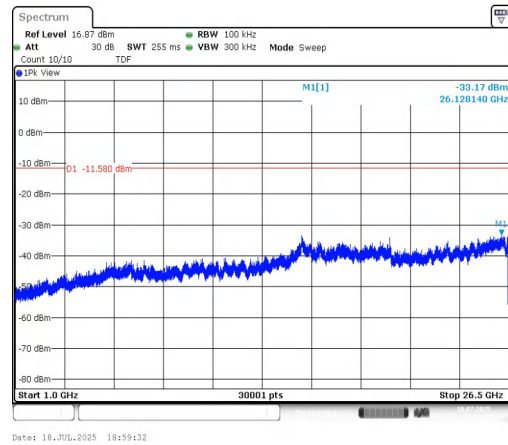
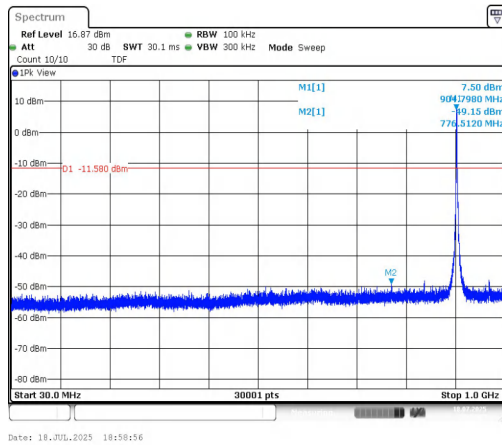
WiFi HaLow (1MHz)-Ant1-915.5-30~1000-PASS

WiFi HaLow (1MHz)-Ant1-915.5-1000~26500-PASS



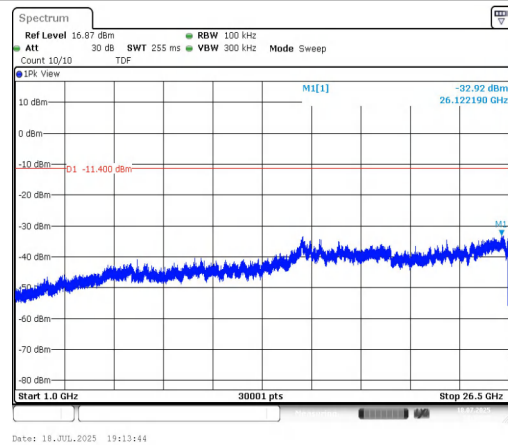
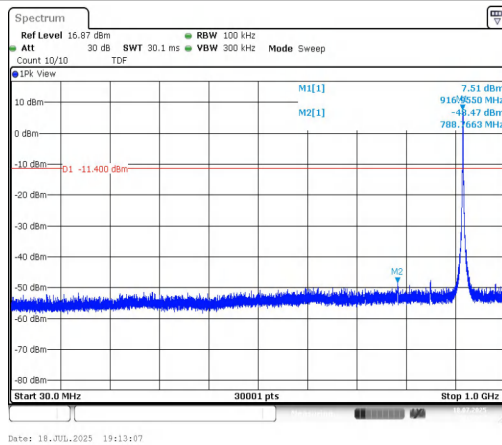
WiFi HaLow (1MHz)-Ant1-926.5-30~1000-PASS

WiFi HaLow (1MHz)-Ant1-926.5-1000~26500-PASS



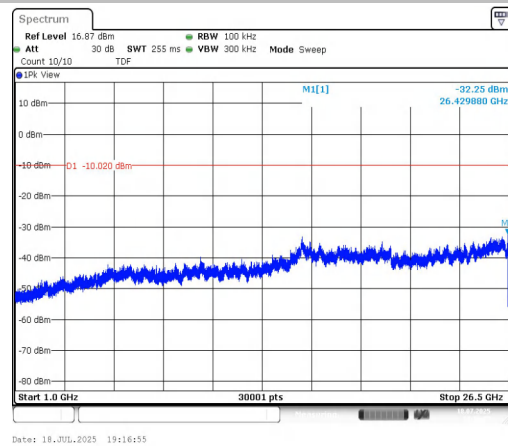
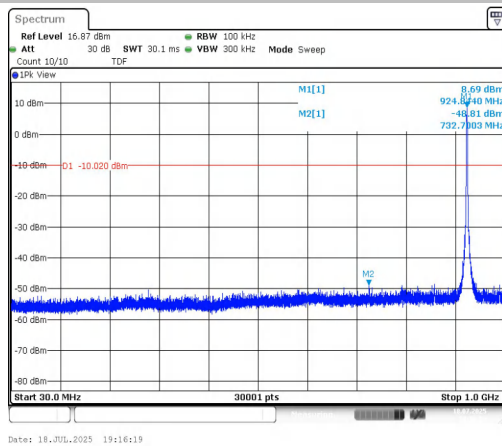
WiFi HaLow (2MHz)-Ant1-905-30~1000-PASS

WiFi HaLow (2MHz)-Ant1-905-1000~26500-PASS



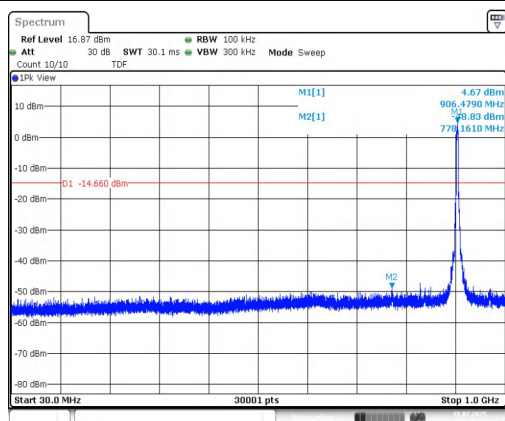
WiFi HaLow (2MHz)-Ant1-917-30~1000-PASS

WiFi HaLow (2MHz)-Ant1-917-1000~26500-PASS

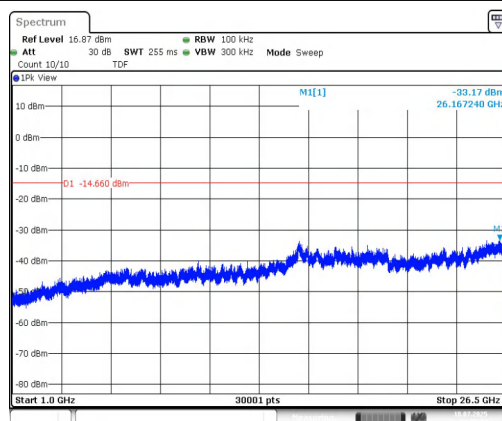


WiFi HaLow (2MHz)-Ant1-925-30~1000-PASS

WiFi HaLow (2MHz)-Ant1-925-1000~26500-PASS



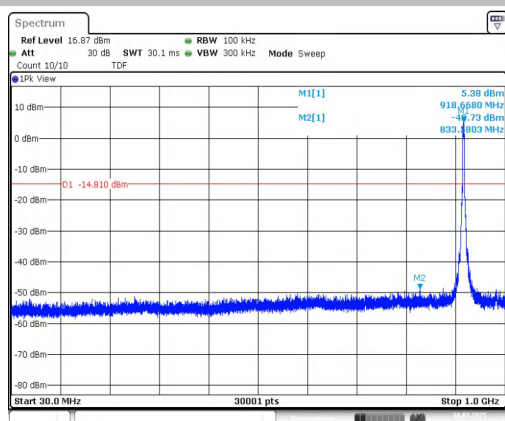
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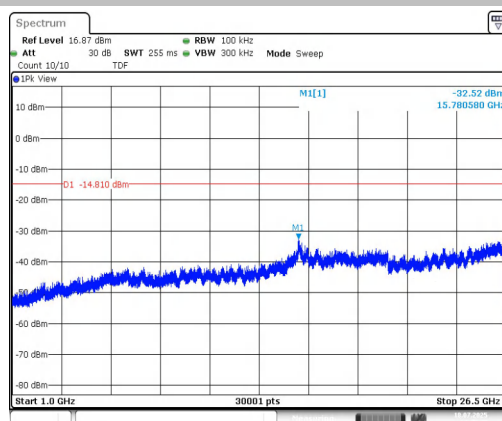
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WiFi HaLow (4MHz)-Ant1-906-30~1000-PASS

WiFi HaLow (4MHz)-Ant1-906-1000~26500-PASS



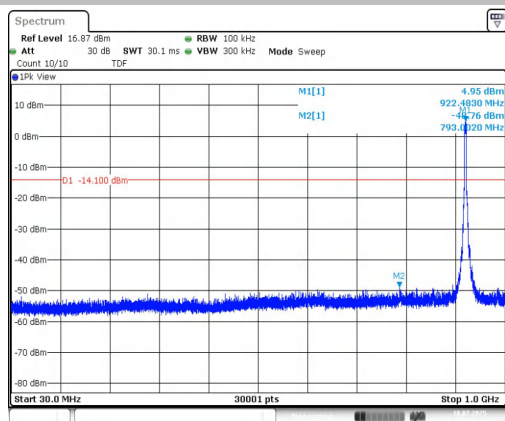
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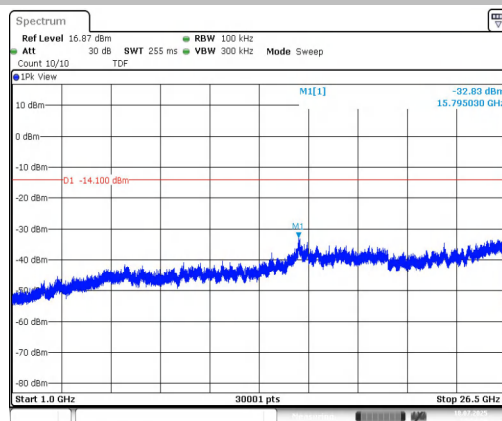
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WiFi HaLow (4MHz)-Ant1-918-30~1000-PASS

WiFi HaLow (4MHz)-Ant1-918-1000~26500-PASS



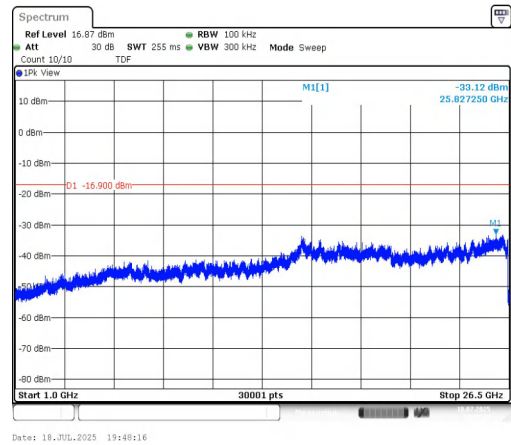
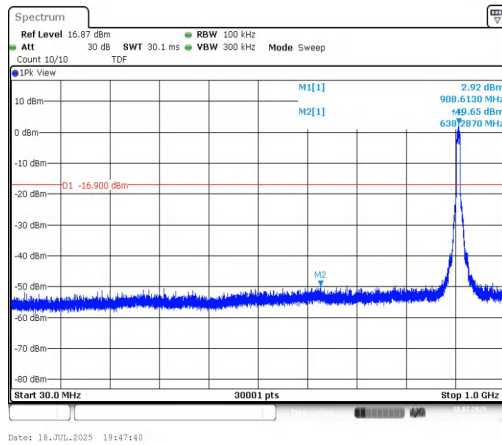
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Date: 18.JUL.2025 19:44:49

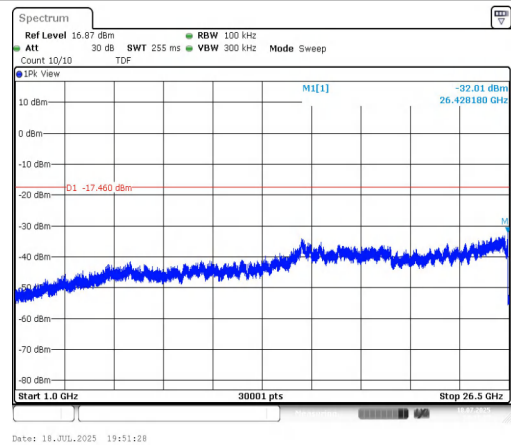
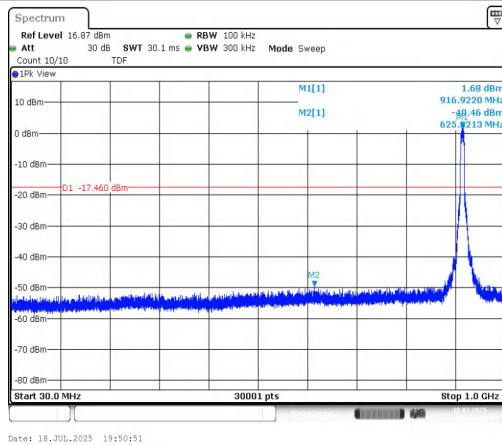
WiFi HaLow (4MHz)-Ant1-922-30~1000-PASS

WiFi HaLow (4MHz)-Ant1-922-1000~26500-PASS



WiFi HaLow (8MHz)-Ant1-908-30~1000-PASS

WiFi HaLow (8MHz)-Ant1-908-1000~26500-PASS



WiFi HaLow (8MHz)-Ant1-916-30~1000-PASS

WiFi HaLow (8MHz)-Ant1-916-1000~26500-PASS



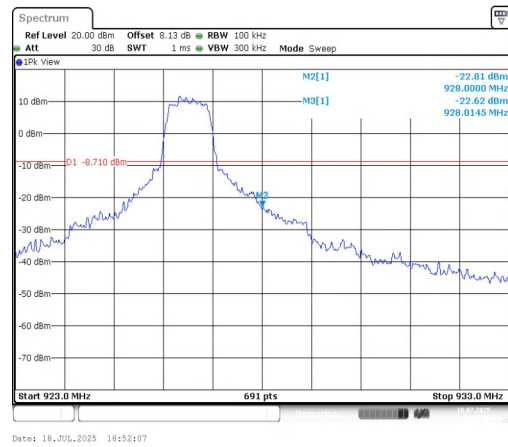
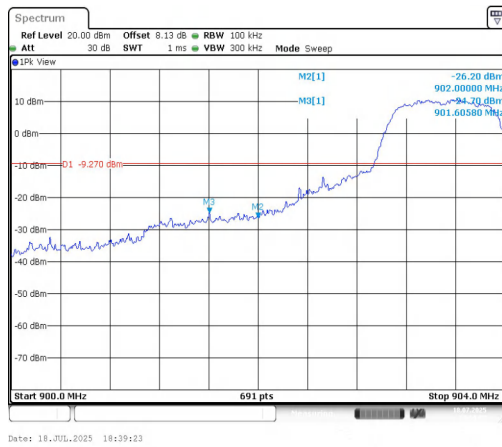
Appendix F: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
WiFi HaLow (1MHz)	Ant1	Low	903.5	10.73	-24.7	≤ -9.27	PASS
	Ant1	High	926.5	11.29	-22.62	≤ -8.71	PASS
WiFi HaLow (2MHz)	Ant1	Low	905	8.42	-28.59	≤ -11.58	PASS
	Ant1	High	925	9.98	-28.92	≤ -10.02	PASS
WiFi HaLow (4MHz)	Ant1	Low	906	5.34	-24.4	≤ -14.66	PASS
	Ant1	High	922	5.90	-33.46	≤ -14.1	PASS
WiFi HaLow (8MHz)	Ant1	Low	908	3.10	-21.03	≤ -16.9	PASS
	Ant1	High	916	2.54	-36.45	≤ -17.46	PASS

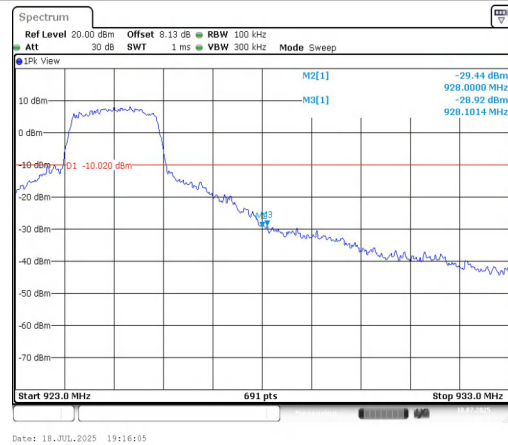
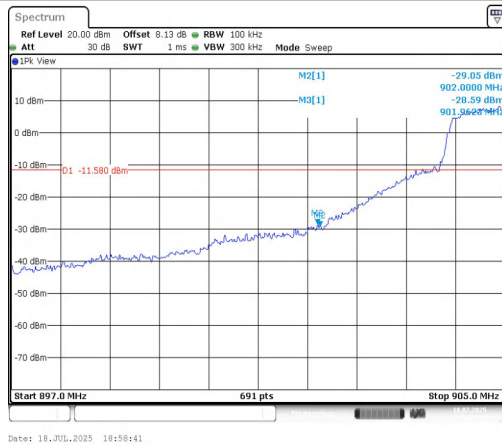


Test Graphs



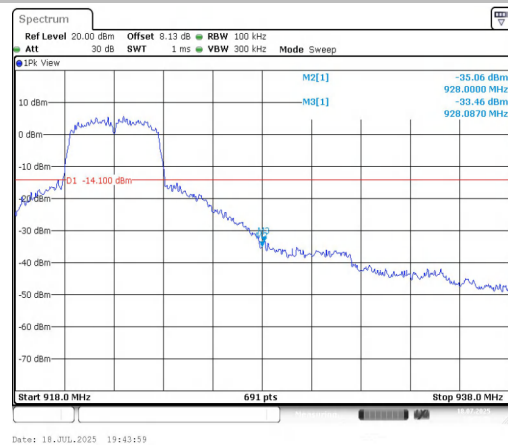
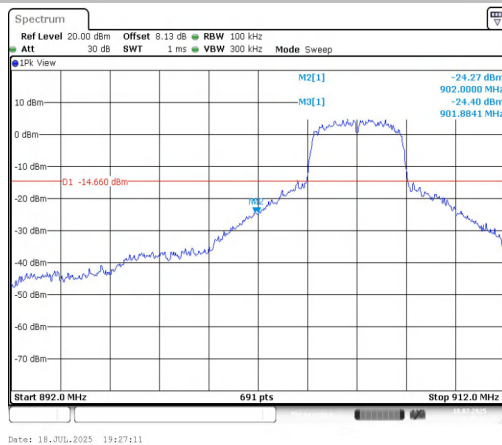
WiFi HaLow (1MHz)-Ant1-903.5-PASS

WiFi HaLow (1MHz)-Ant1-926.5-PASS



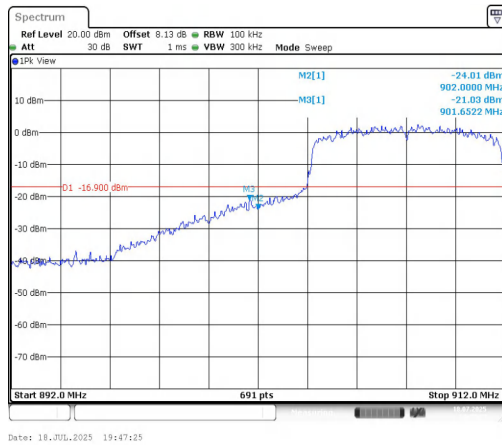
WiFi HaLow (2MHz)-Ant1-905-PASS

WiFi HaLow (2MHz)-Ant1-925-PASS

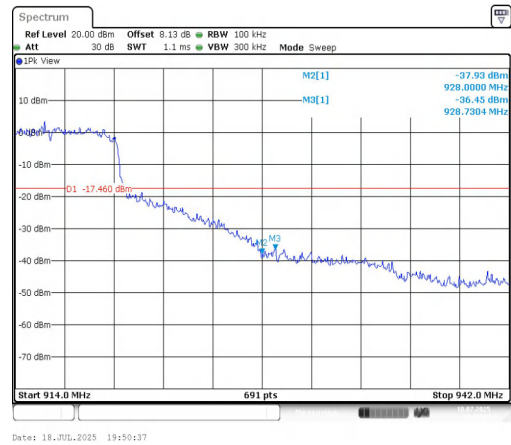


WiFi HaLow (4MHz)-Ant1-906-PASS

WiFi HaLow (4MHz)-Ant1-922-PASS



WiFi HaLow (8MHz)-Ant1-908-PASS



WiFi HaLow (8MHz)-Ant1-916-PASS



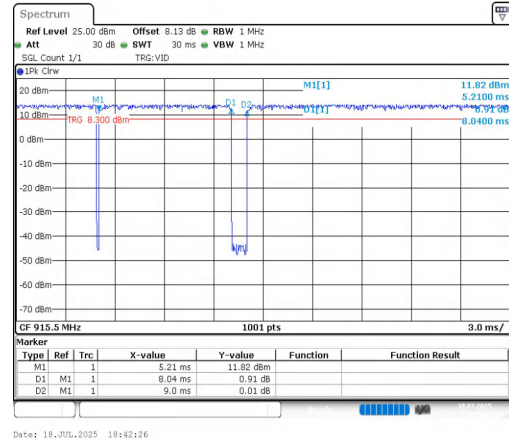
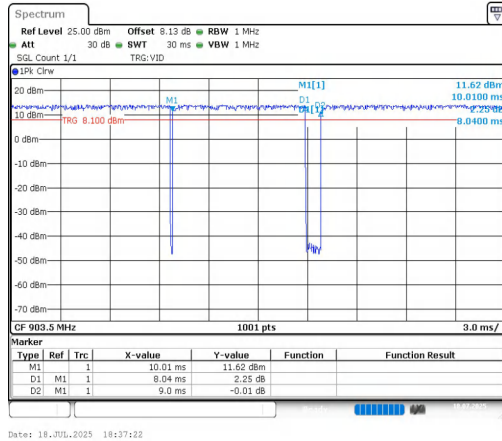
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle[%]	DC Factor [dB]
WiFi HaLow (1MHz)	Ant1	903.5	8.04	9.00	89.33	0.49
	Ant1	915.5	8.04	9.00	89.33	0.49
	Ant1	926.5	8.04	8.97	89.63	0.48
WiFi HaLow (2MHz)	Ant1	905	12.69	13.62	93.17	0.31
	Ant1	917	12.69	13.62	93.17	0.31
	Ant1	925	12.69	13.62	93.17	0.31
WiFi HaLow (4MHz)	Ant1	906	6.24	7.17	87.03	0.60
	Ant1	918	6.24	7.17	87.03	0.60
	Ant1	922	6.24	7.17	87.03	0.60
WiFi HaLow (8MHz)	Ant1	908	3.03	3.96	76.52	1.16
	Ant1	916	3.03	3.96	76.52	1.16

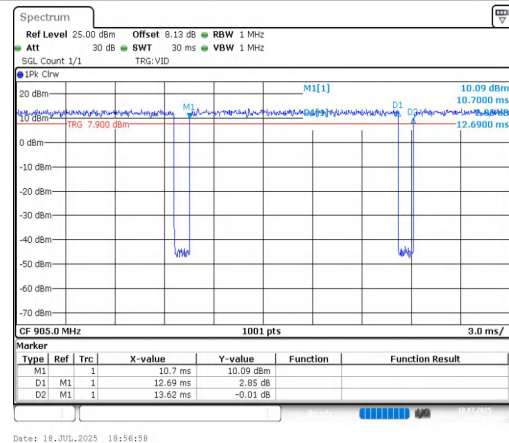
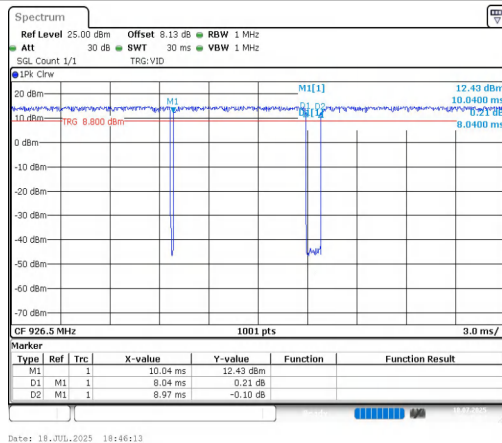


Test Graphs



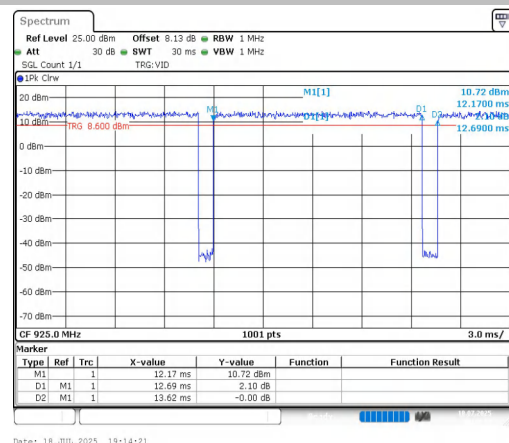
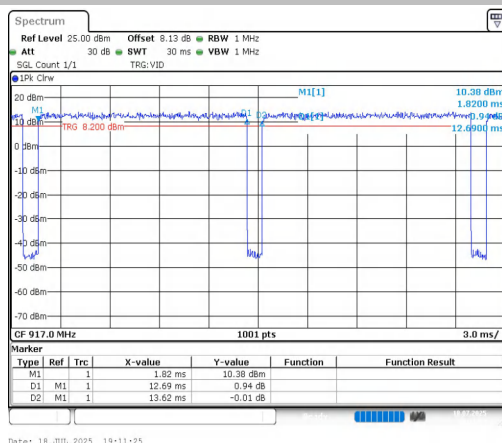
NTNV-WiFi HaLow (1MHz)-Ant1-903.5

NTNV-WiFi HaLow (1MHz)-Ant1-915.5



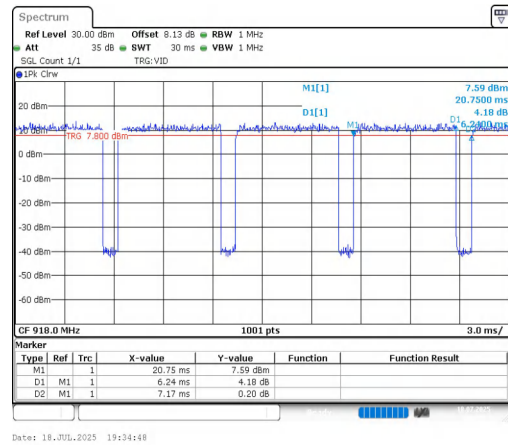
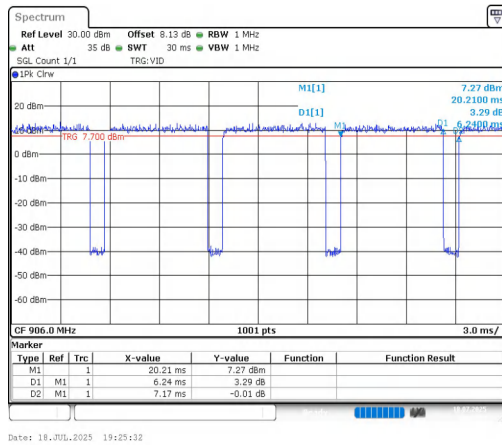
NTNV-WiFi HaLow (1MHz)-Ant1-926.5

NTNV-WiFi HaLow (2MHz)-Ant1-905



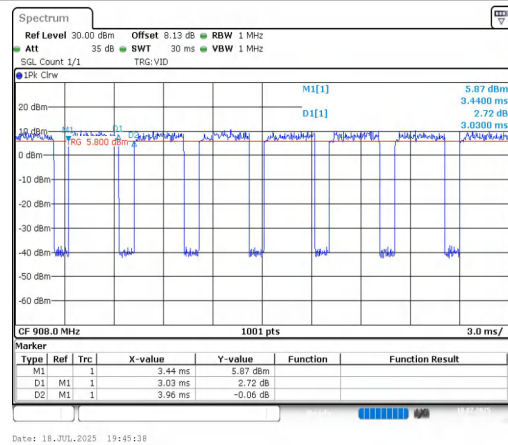
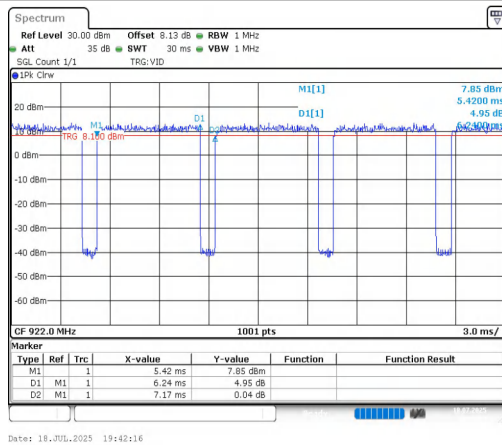
NTNV-WiFi HaLow (2MHz)-Ant1-917

NTNV-WiFi HaLow (2MHz)-Ant1-925



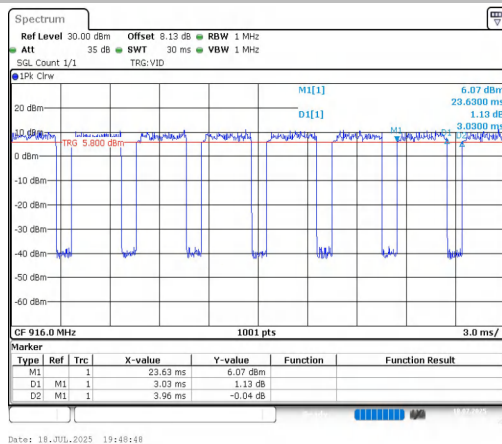
NTNV-WiFi HaLow (4MHz)-Ant1-906

NTNV-WiFi HaLow (4MHz)-Ant1-918



NTNV-WiFi HaLow (4MHz)-Ant1-922

NTNV-WiFi HaLow (8MHz)-Ant1-908



NTNV-WiFi HaLow (8MHz)-Ant1-916

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