

Appendix B.2(BLE-RF Conducted Test Result)

6dB Emission Bandwidth

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09~2025/06/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5~26.4	Relative Humidity: (%)	47~49	ATM Pressure: (kPa)	99.7
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Test Data:

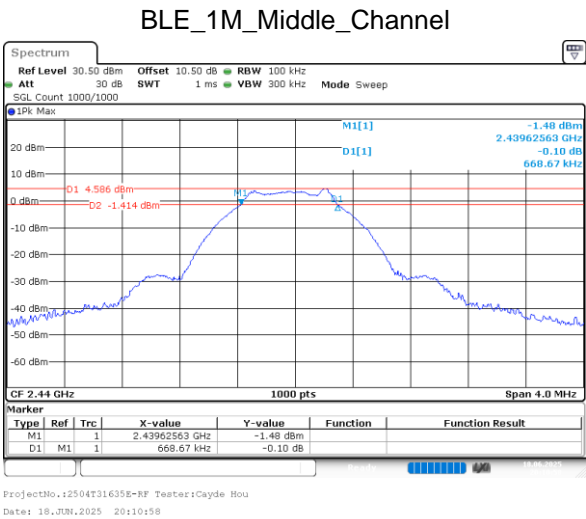
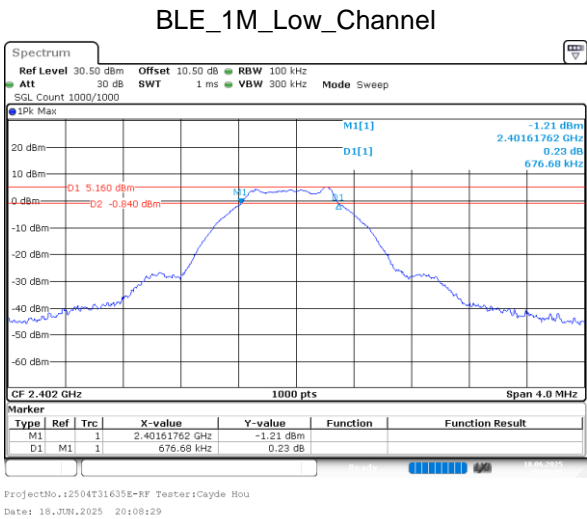
BLE 1M

Channel	Result (MHz)	Limit (MHz)	Verdict
Low	0.677	≥0.5	Pass
Middle	0.669	≥0.5	Pass
High	0.677	≥0.5	Pass

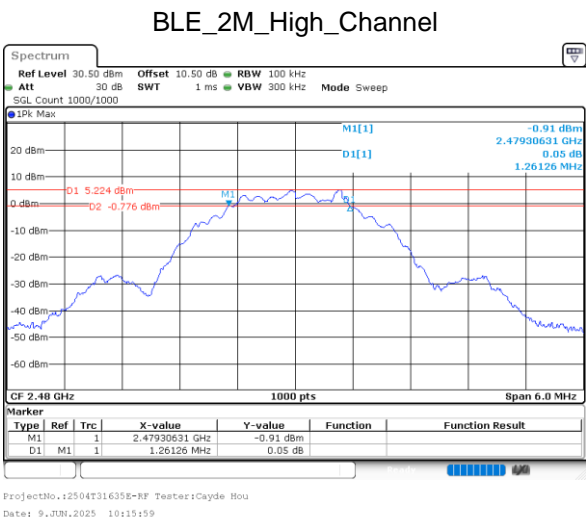
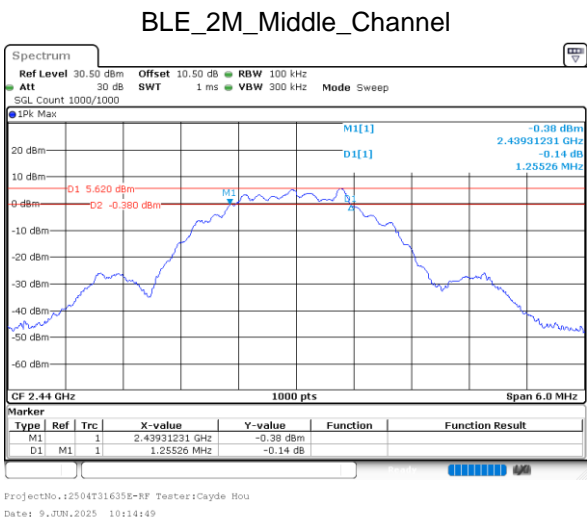
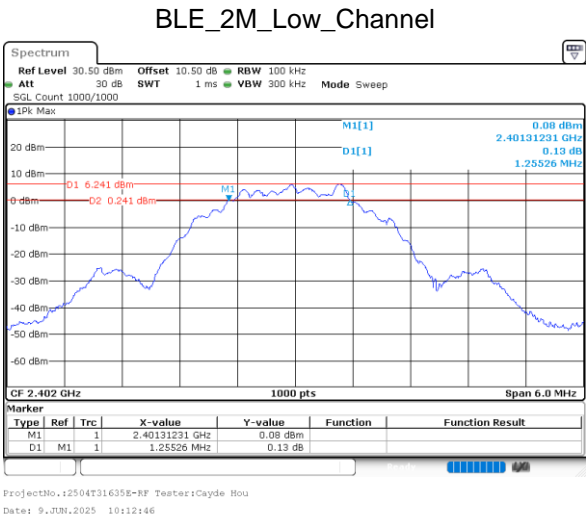
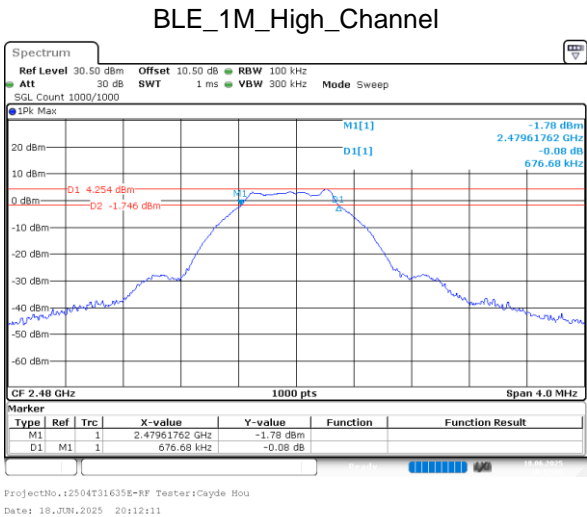
BLE 2M

Channel	Result (MHz)	Limit (MHz)	Verdict
Low	1.255	≥0.5	Pass
Middle	1.255	≥0.5	Pass
High	1.261	≥0.5	Pass

BLE 1M



BLE 2M



99% Occupied Bandwidth

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09~2025/06/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	/

Environmental Conditions:

Temperature: (°C)	25.5~26.4	Relative Humidity: (%)	47~49	ATM Pressure: (kPa)	99.7
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Test Data:

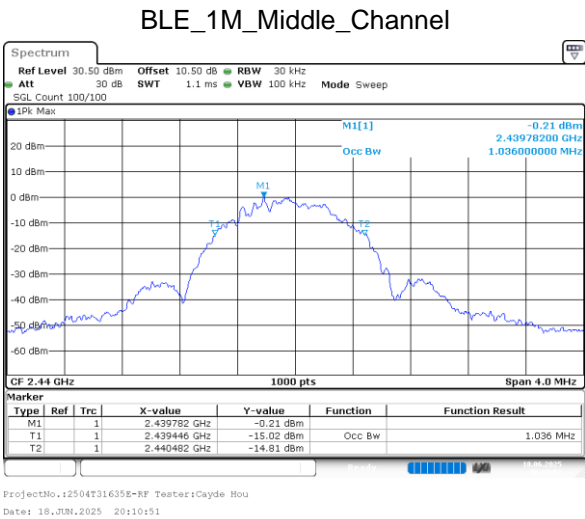
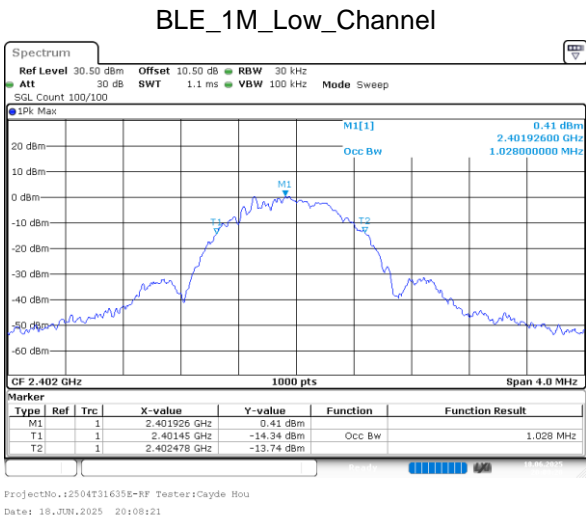
BLE 1M

Channel	99% OBW (MHz)
Low	1.028
Middle	1.036
High	1.020

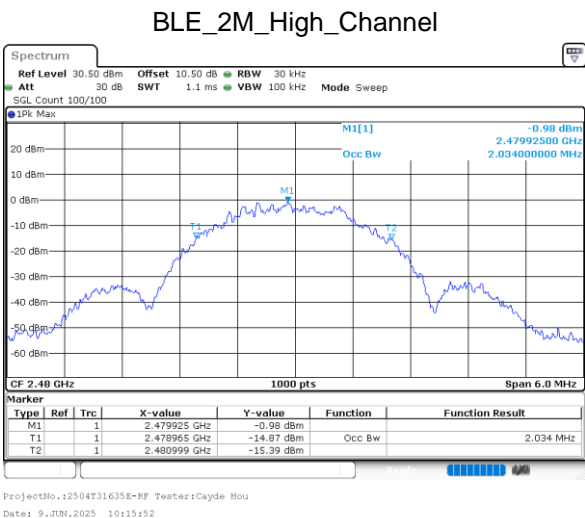
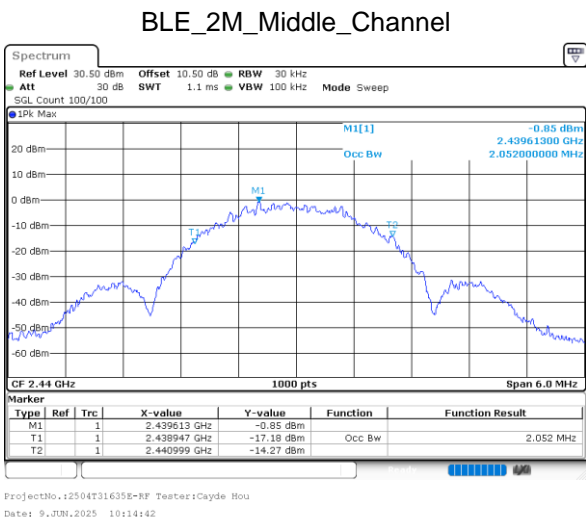
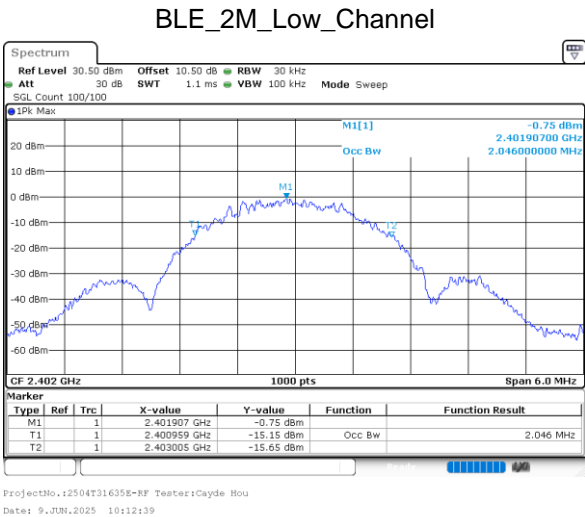
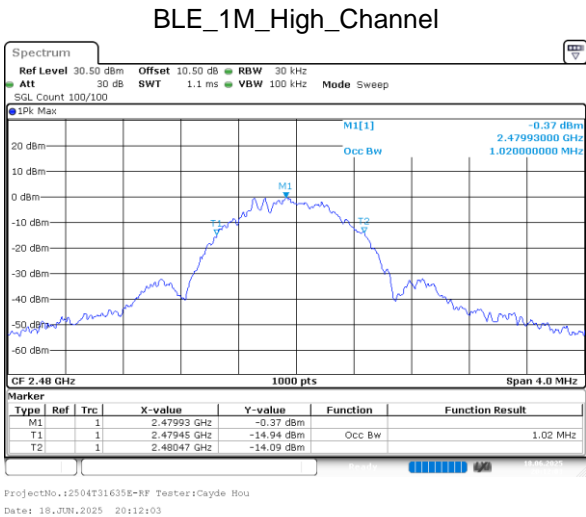
BLE 2M

Channel	99% OBW (MHz)
Low	2.046
Middle	2.052
High	2.034

BLE 1M



BLE 2M



Maximum Conducted Output Power

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09~2025/06/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5~26.4	Relative Humidity: (%)	47~49	ATM Pressure: (kPa)	99.7
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Test Data:

BLE 1M

Channel	Peak Output Power (dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm) (For ISSED)	Verdict
Low	5.44	30.00	8.76	36	Pass
Middle	4.86	30.00	8.18	36	Pass
High	4.55	30.00	7.87	36	Pass

BLE 2M

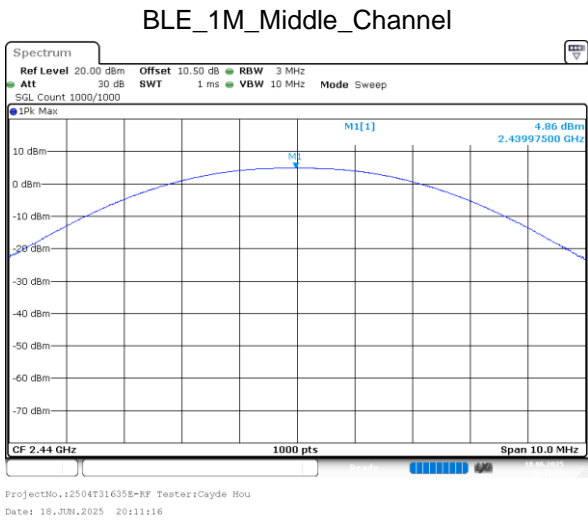
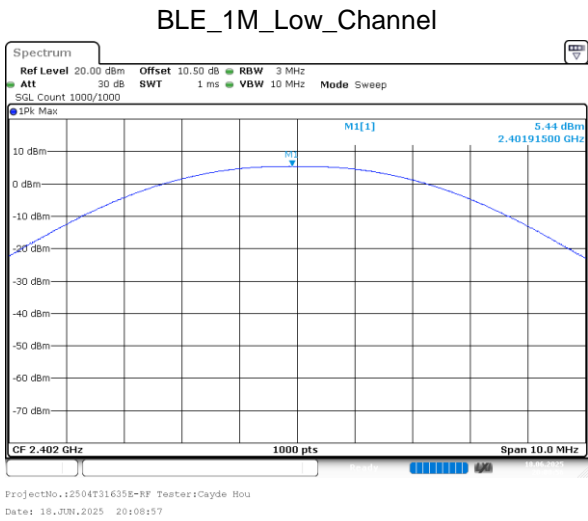
Channel	Peak Output Power (dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm) (For ISSED)	Verdict
Low	7.52	30.00	10.84	36	Pass
Middle	6.89	30.00	10.21	36	Pass
High	6.53	30.00	9.85	36	Pass

Note:

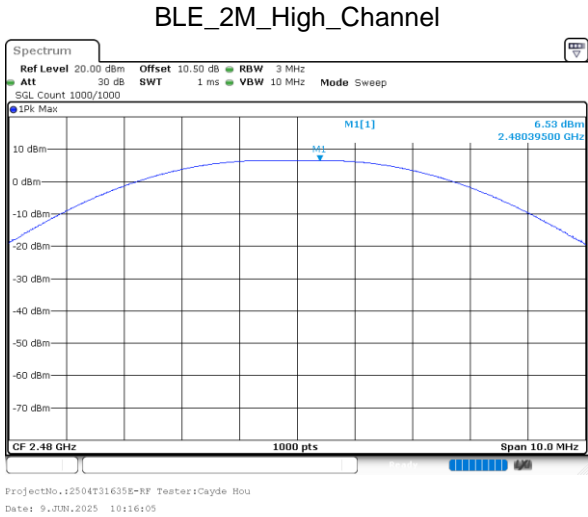
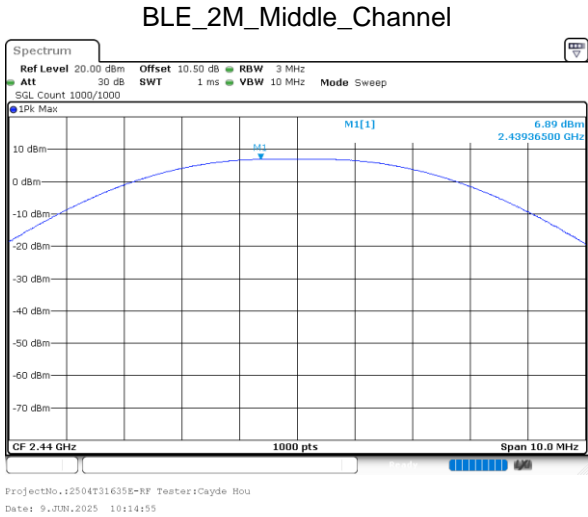
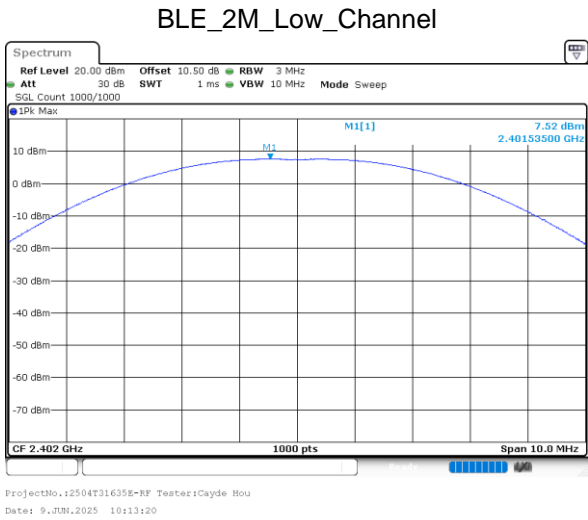
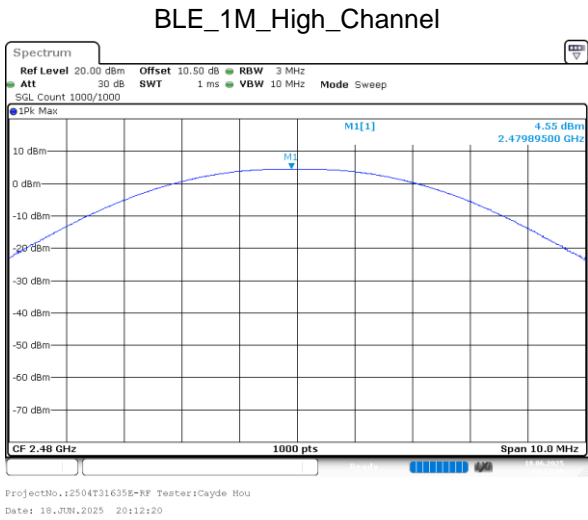
EIRP = Peak Output Power + Antenna gain



BLE 1M



BLE 2M



Power Spectral Density

Test Information:

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Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5~26.4	Relative Humidity: (%)	47~49	ATM Pressure: (kPa)	99.7
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Test Data:

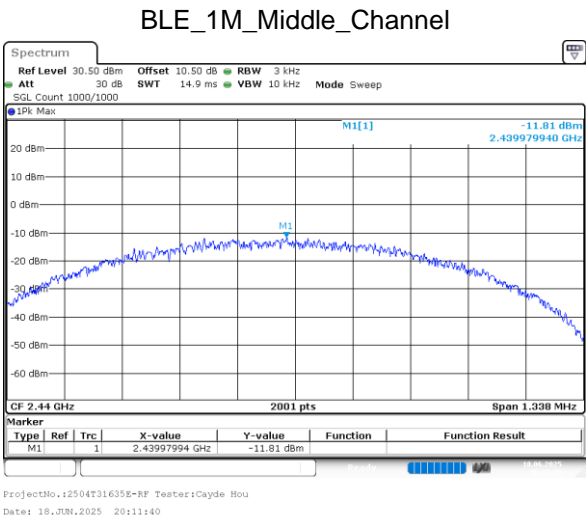
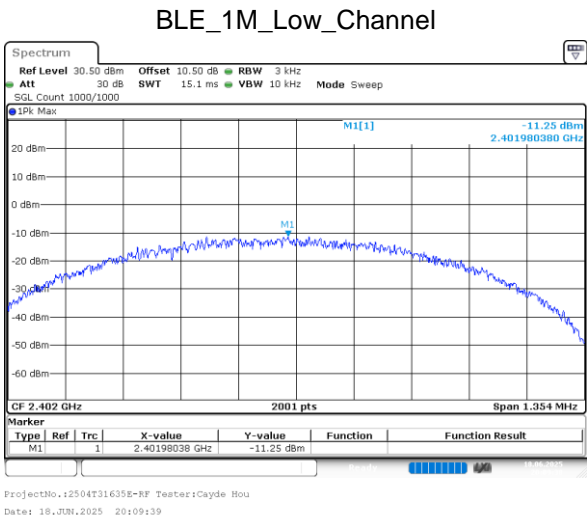
BLE 1M

Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-11.25	8	Pass
Middle	-11.81	8	Pass
High	-12.16	8	Pass

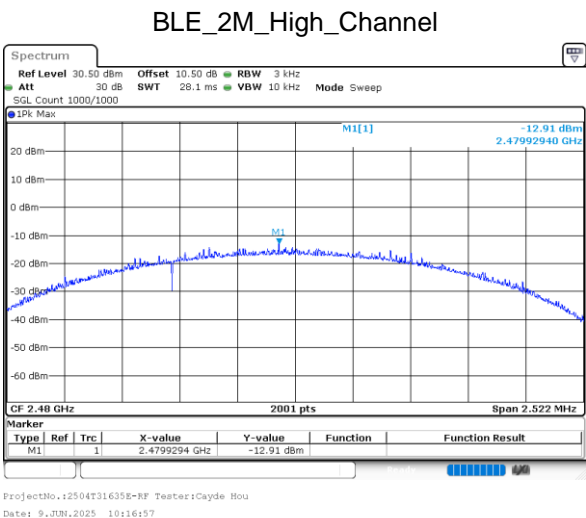
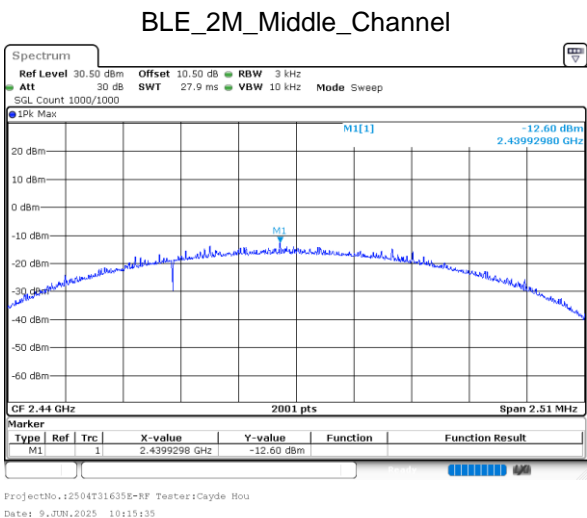
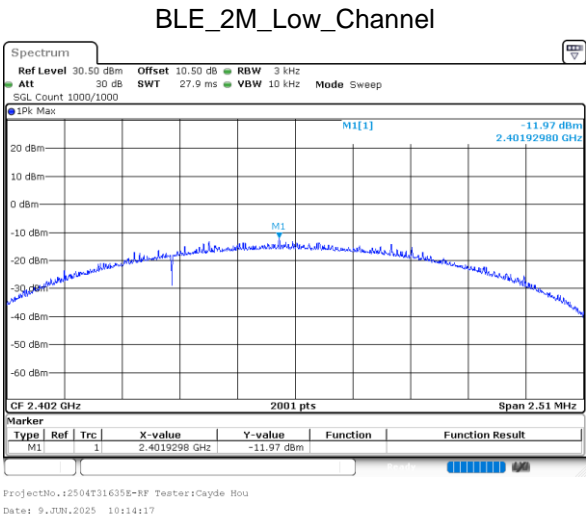
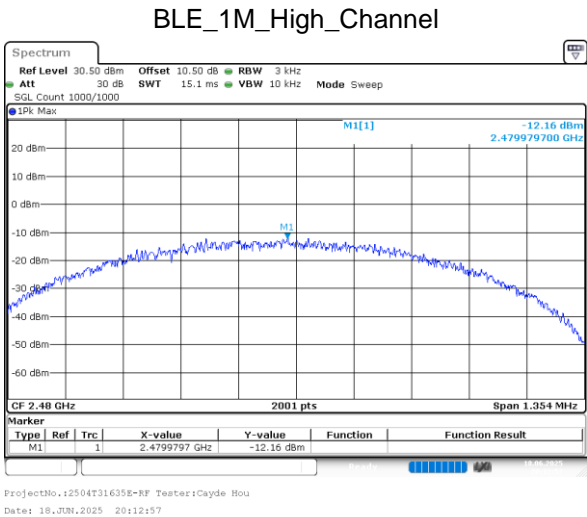
BLE 2M

Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-11.97	8	Pass
Middle	-12.60	8	Pass
High	-12.91	8	Pass

BLE 1M



BLE 2M



100 kHz Bandwidth of Frequency Band Edge

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09~2025/06/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5~26.4	Relative Humidity: (%)	47~49	ATM Pressure: (kPa)	99.7
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Test Data:

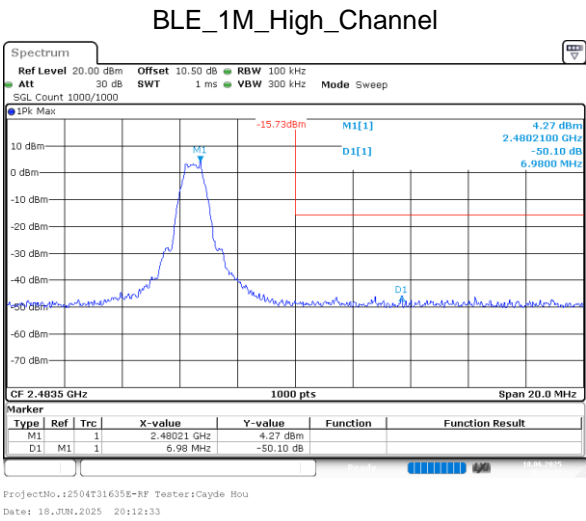
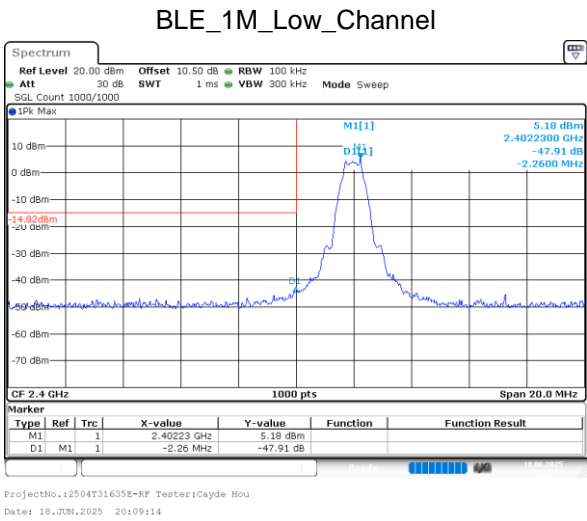
BLE 1M

Channel	Result (dB)	Limit (dB)	Verdict
Low	47.91	20	Pass
High	50.10	20	Pass

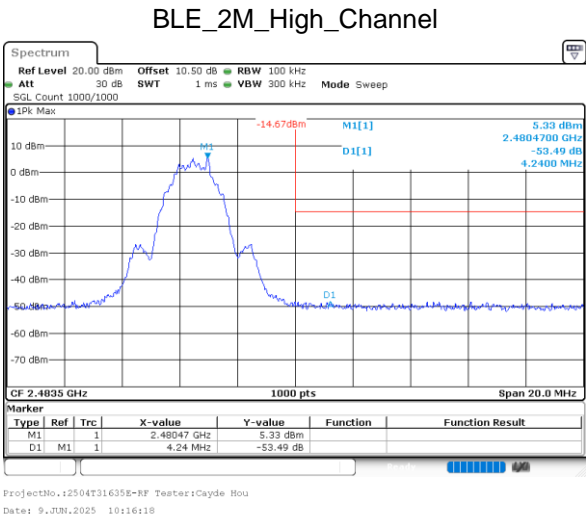
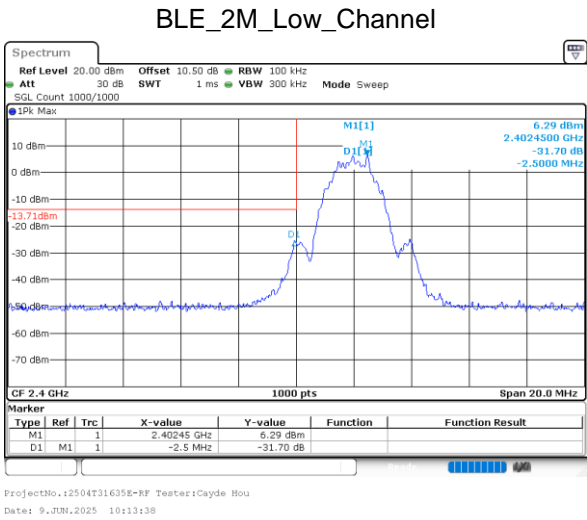
BLE 2M

Channel	Result (dB)	Limit (dB)	Verdict
Low	31.70	20	Pass
High	53.49	20	Pass

BLE 1M



BLE 2M



Duty Cycle

Test Information:

Sample No.:	331Q-6	Test Date:	2025/06/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.4	Relative Humidity: (%)	47	ATM Pressure: (kPa)	99.7
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Test Data:

BLE 1M

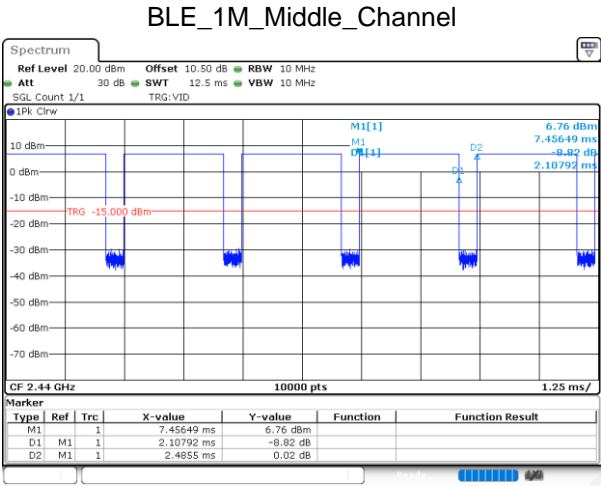
Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	2.108	2.485	84.83	0.71	474	0.500

BLE 2M

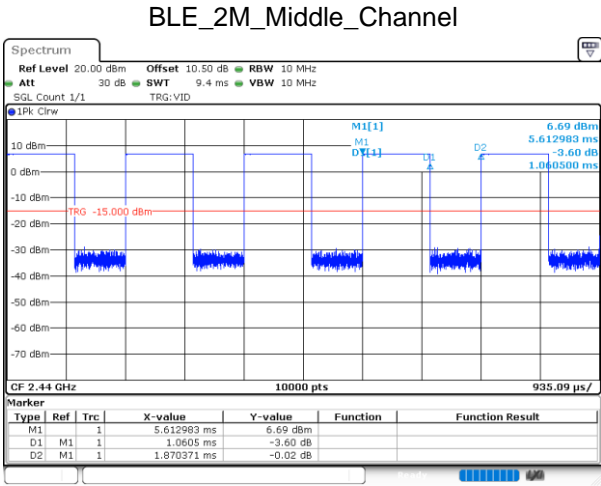
Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	1.061	1.870	56.74	2.46	943	1

BLE 1M

BLE 2M



ProjectNo.:2504T31635E-RF Tester:Cayde Hou  
Date: 9.JUN.2025 10:06:19



ProjectNo.:2504T31635E-RF Tester:Cayde Hou  
Date: 9.JUN.2025 10:06:43

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