

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**

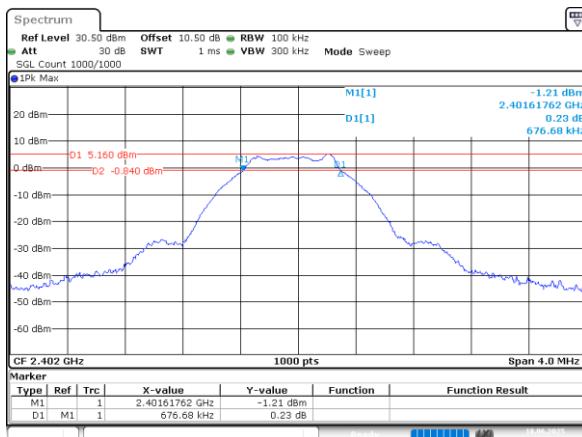
Channel	Result (MHz)	Limit (MHz)	Verdict
Low	0.677	≥0.5	Pass
Middle	0.669	≥0.5	Pass
High	0.677	≥0.5	Pass

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

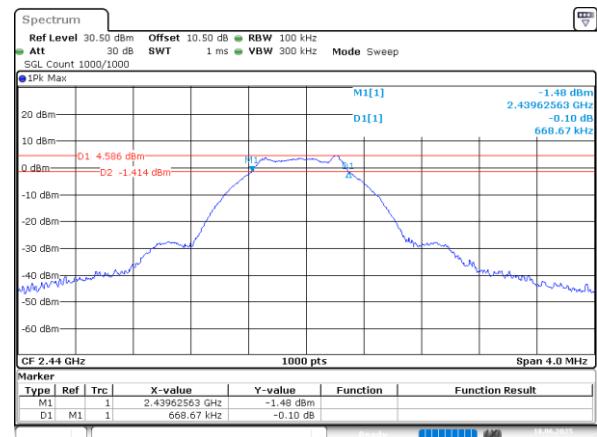
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 18.JUN.2025 2010:29

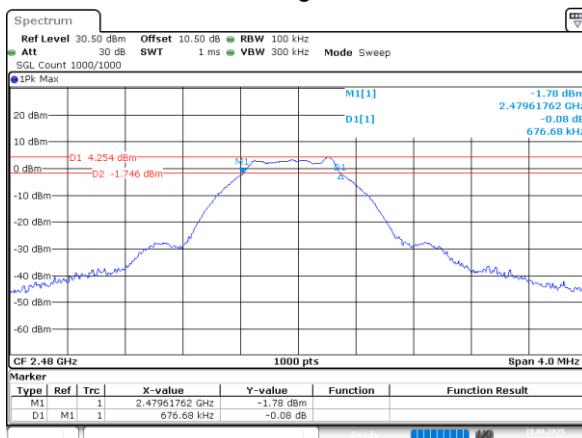
BLE_1M_Middle_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 18.JUN.2025 2010:58

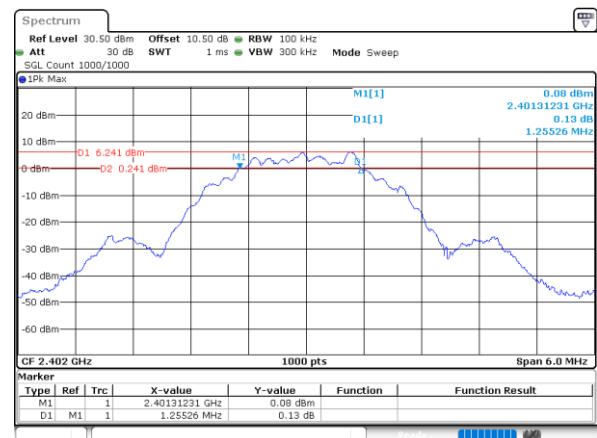
BLE 2M

BLE_1M_High_Channel



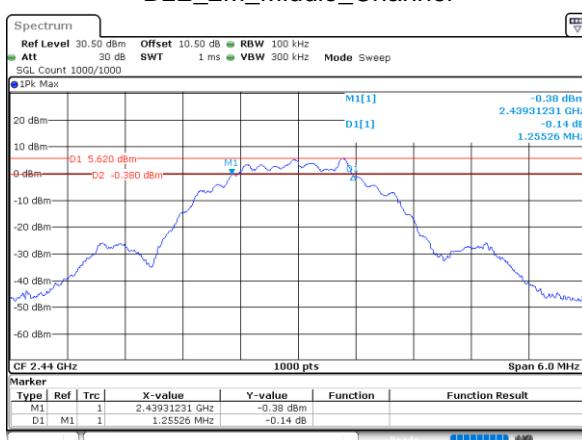
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 18.JUN.2025 2012:11

BLE_2M_Low_Channel



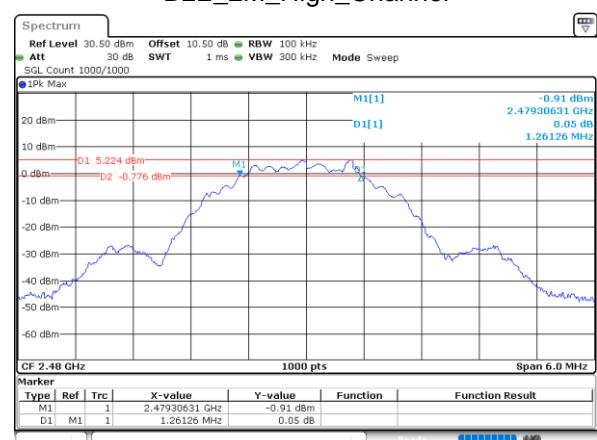
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:12:46

BLE_2M_Middle_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:14:49

BLE_2M_High_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:15:59

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_1M_Low_Channel



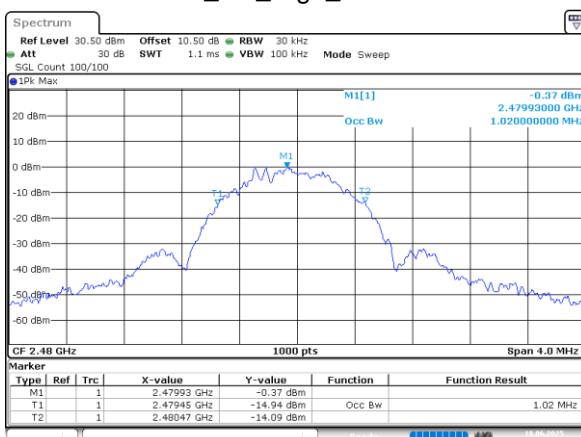
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 18.JUN.2025 2010:01

BLE_1M_Middle_Channel



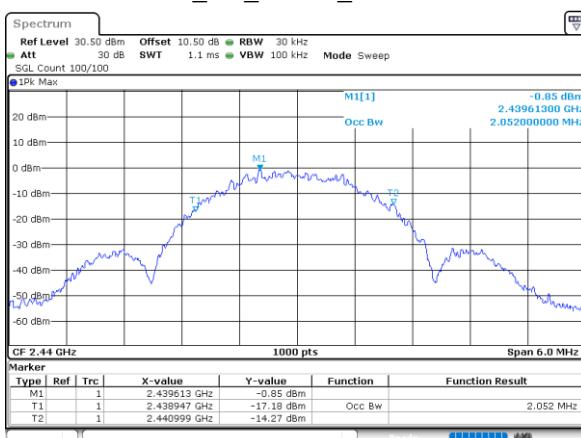
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 18.JUN.2025 2010:51

BLE_1M_High_Channel



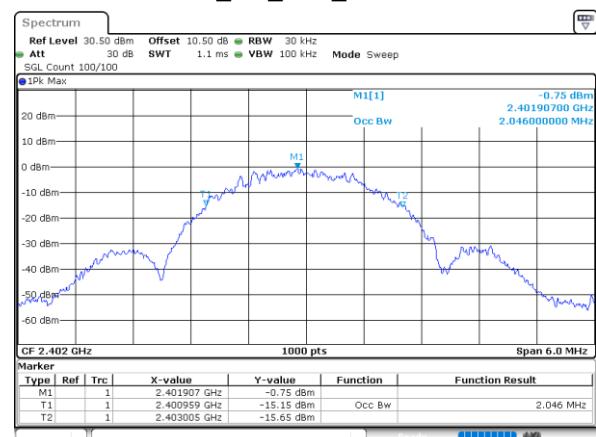
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 18.JUN.2025 2012:03

BLE_2M_Middle_Channel



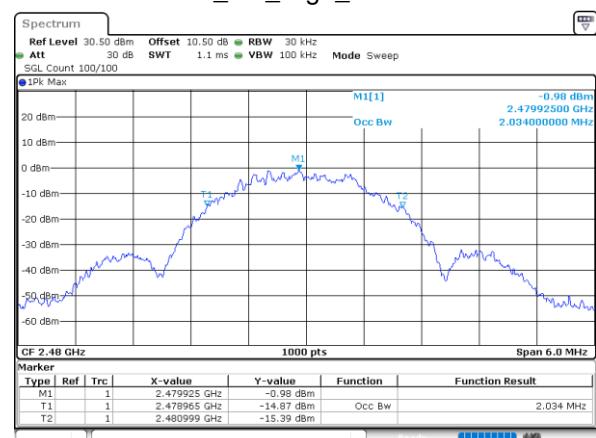
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:14:42

BLE_2M_Low_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:12:39

BLE_2M_High_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:15:52

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 ISED)	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

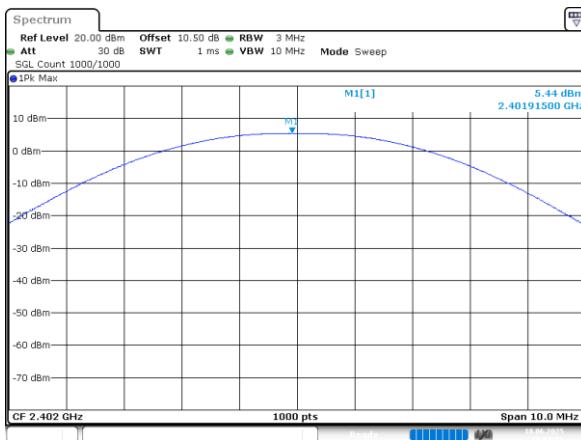
Channel	Peak Output Power (dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm) (For ISED)	Verdict
Low	7.52	30.00	10.84	36	Pass
Middle	6.89	30.00	10.21	36	Pass
High	6.53	30.00	9.85	36	Pass

Note:

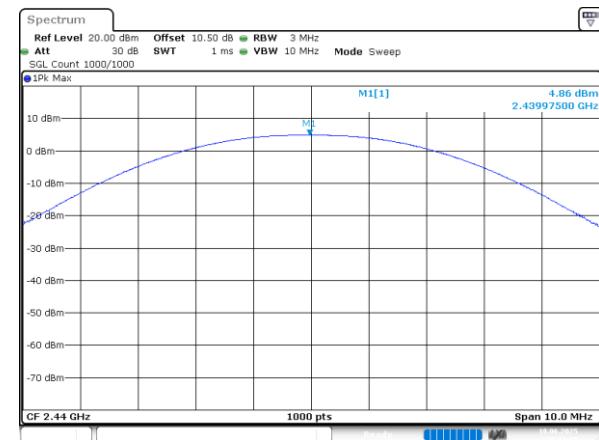
EIRP = Peak Output Power + Antenna gain

BLE 1M

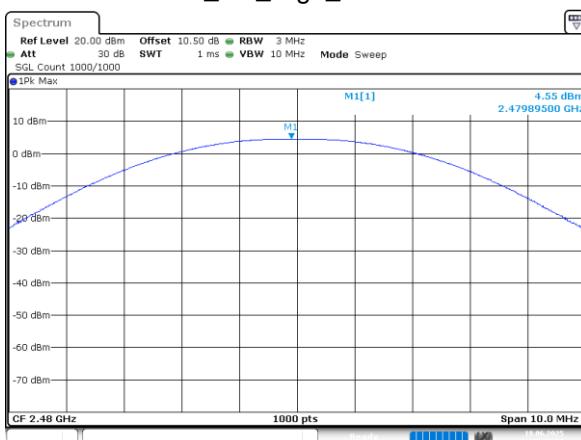
BLE_1M_Low_Channel



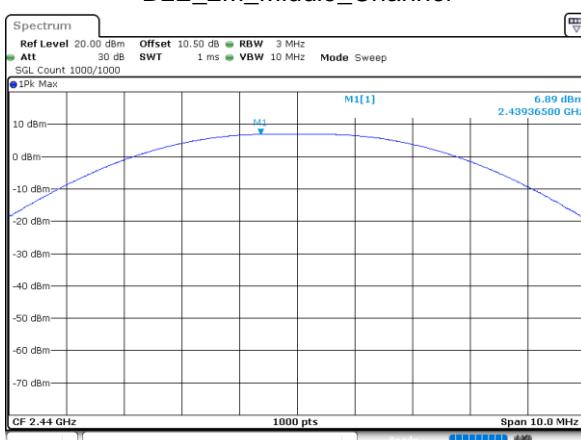
BLE_1M_Middle_Channel



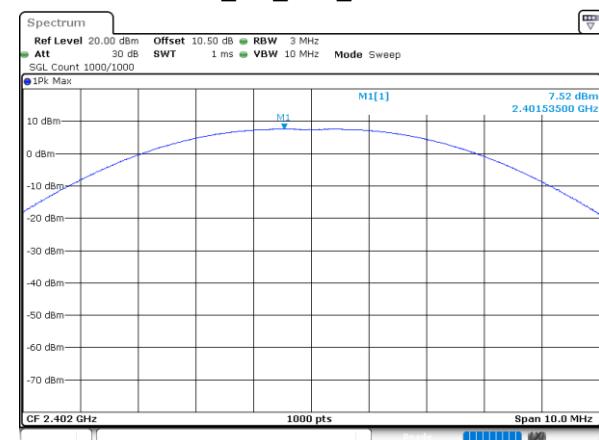
BLE_1M_High_Channel



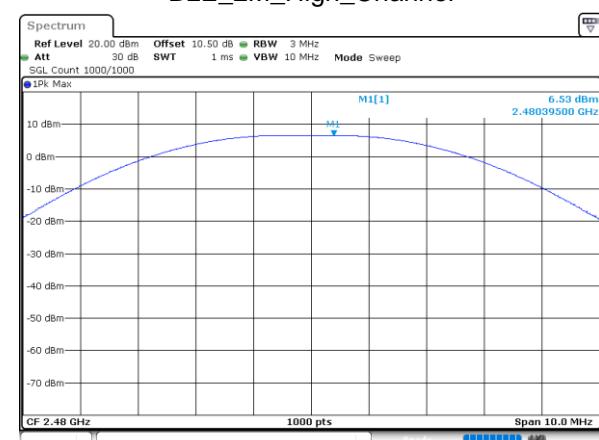
BLE_2M_Middle_Channel



BLE_2M_Low_Channel



BLE_2M_High_Channel



Power Spectral Density

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**

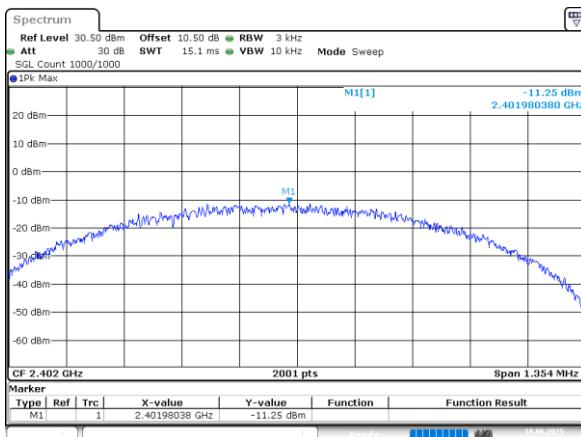
Channel	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low	-11.25	8	Pass
Middle	-11.81	8	Pass
High	-12.16	8	Pass

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

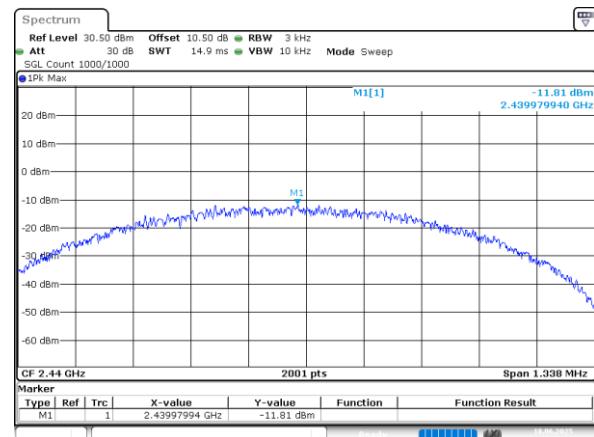
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 18.JUN.2025 20109:39

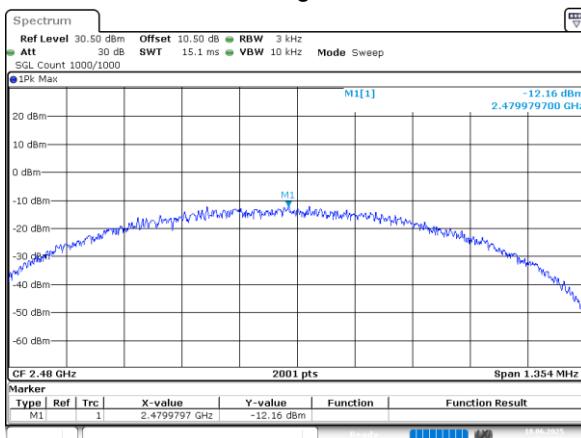
BLE_1M_Middle_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 18.JUN.2025 20111:40

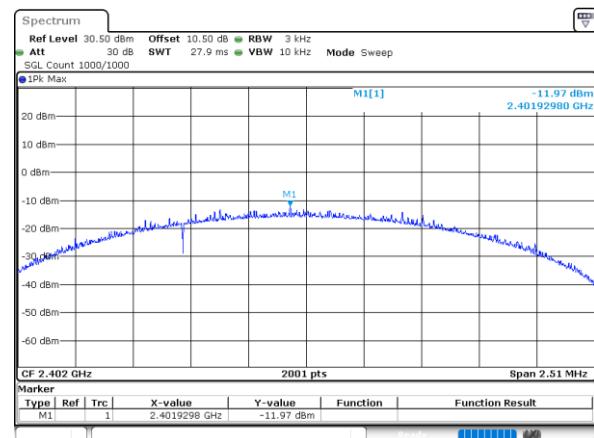
BLE 2M

BLE_1M_High_Channel



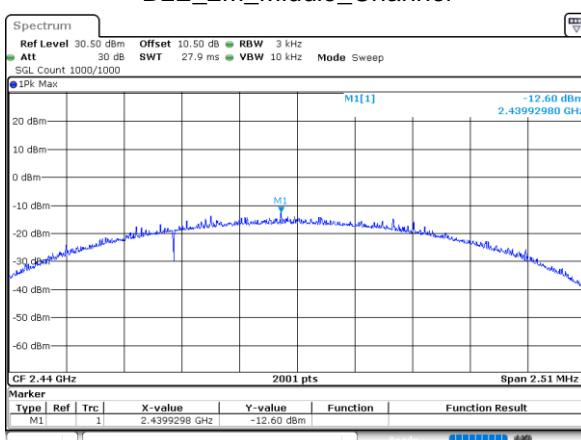
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 18.JUN.2025 20121:57

BLE_2M_Low_Channel



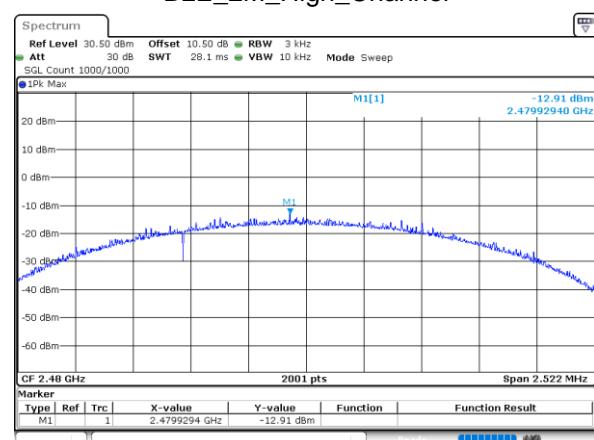
ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:14:17

BLE_2M_Middle_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:15:35

BLE_2M_High_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
Date: 9.JUN.2025 10:16:57

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**

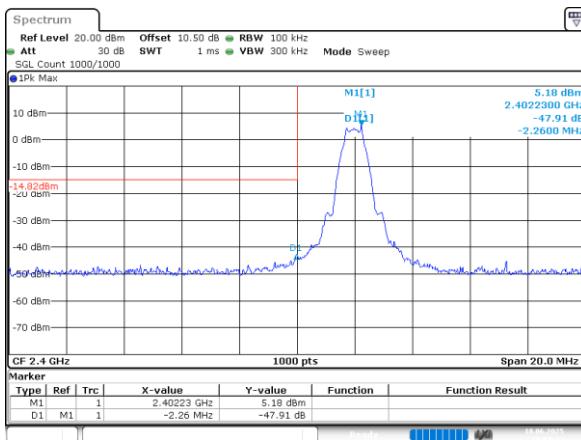
Channel	Result (dB)	Limit (dB)	Verdict
Low	47.91	20	Pass
High	50.10	20	Pass

BLE 2M

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

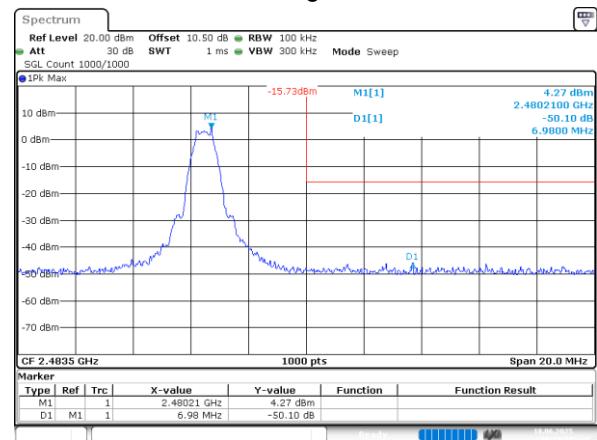
BLE 1M

BLE_1M_Low_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
 Date: 18.JUN.2025 20109:14

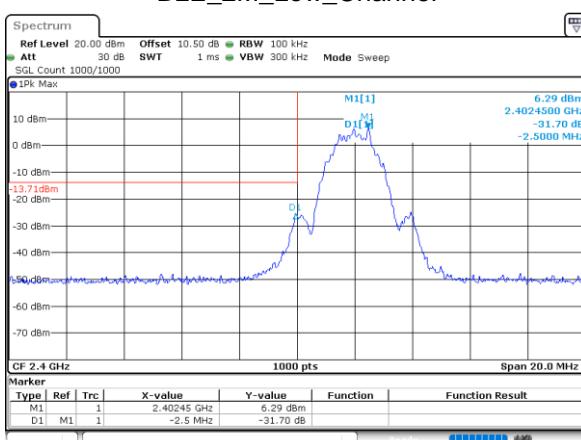
BLE_1M_High_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
 Date: 18.JUN.2025 20112:33

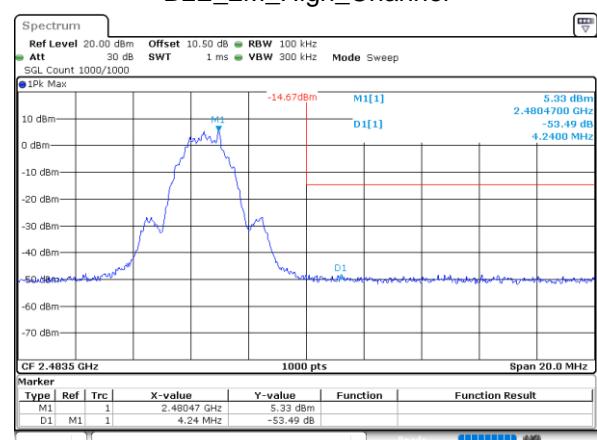
BLE 2M

BLE_2M_Low_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
 Date: 9.JUN.2025 10:13:38

BLE_2M_High_Channel



ProjectNo.:2504T31635E-RF Tester:Cayde Hou
 Date: 9.JUN.2025 10:16:18

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**

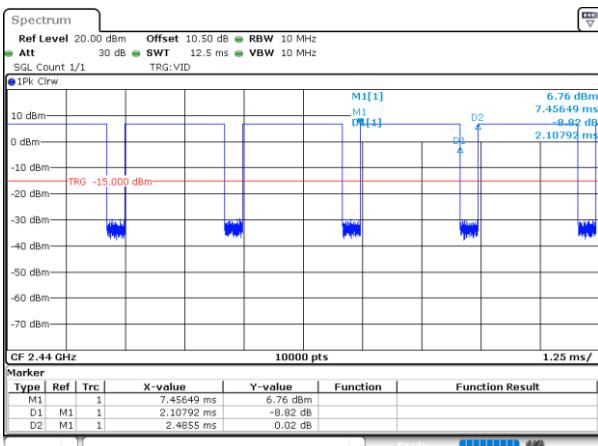
Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	2.108	2.485	84.83	0.71	474	0.500

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

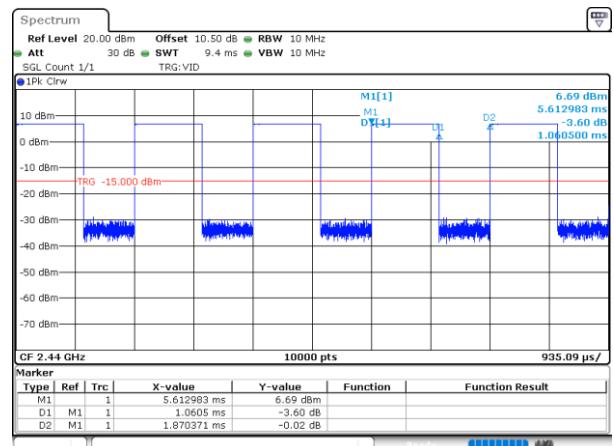
BLE 1M

BLE_1M_Middle_Channel



BLE 2M

BLE_2M_Middle_Channel



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