



CQASZ20260701649E-01

Summary

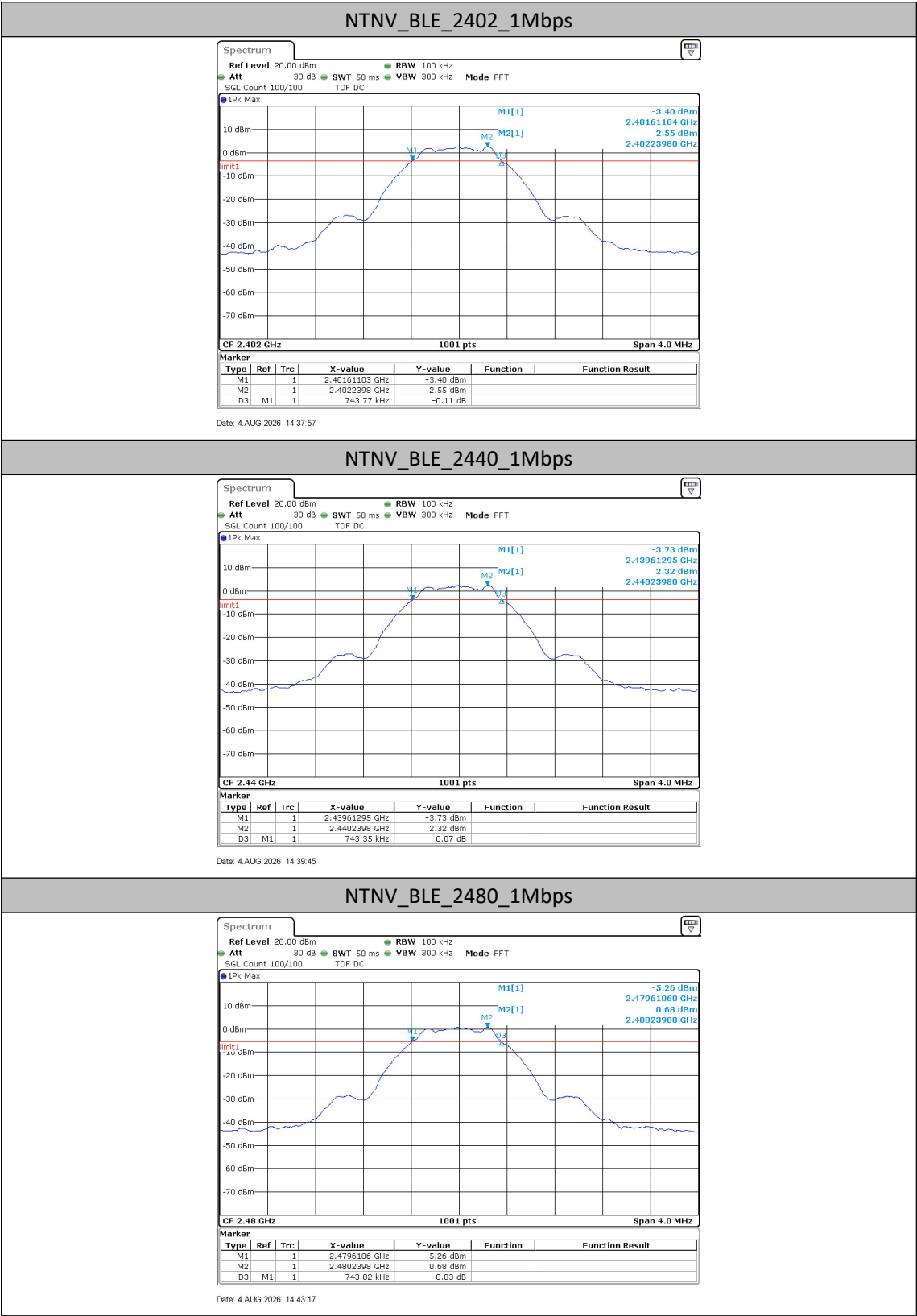
NO.	Item	Verdict
1	DTS Bandwidth	Pass
2	Occupied Channel Bandwidth	Pass
3	Maximum conducted output power	Pass
4	Maximum power spectral density	Pass
5	Band edge measurements	Pass
6	Conducted Spurious Emission	Pass
7	Emissions in Restricted Bands	Pass
8	Duty Cycle	Pass

Appendix A: DTS Bandwidth

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	6dB Occupy Bandwidth (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	0.74	2401.61	2402.35	≥ 0.5	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	0.74	2439.61	2440.36	≥ 0.5	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	0.74	2479.61	2480.35	≥ 0.5	Pass

Test Graphs



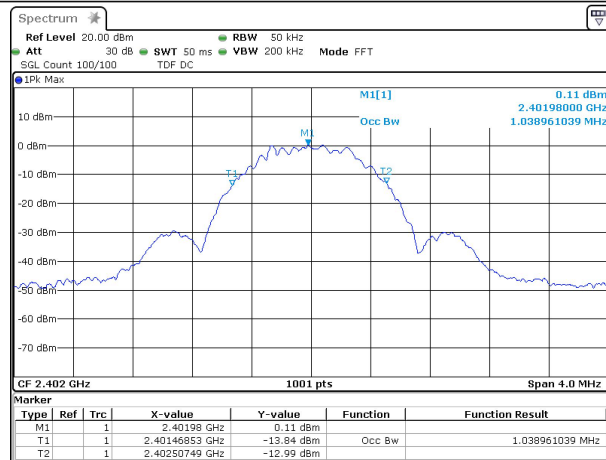
Appendix B: Occupied Channel Bandwidth

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	99% OBW (MHz)	Limit (MHz)	FL (MHz)	FH (MHz)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	1.04	-	2401.47	2402.51	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	1.04	-	2439.47	2440.51	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	1.04	-	2479.47	2480.51	Pass

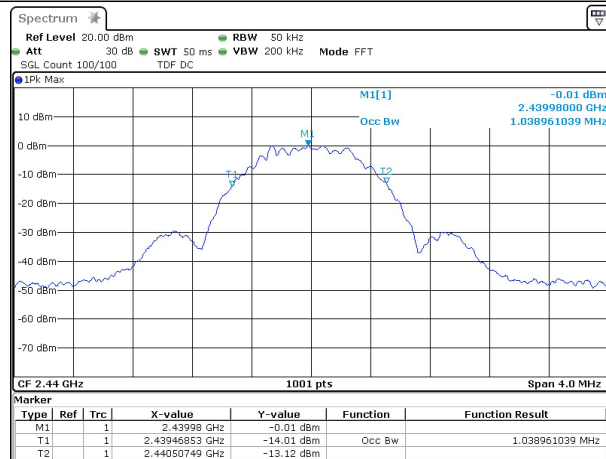
Test Graphs

NTNV_BLE_2402_1Mbps



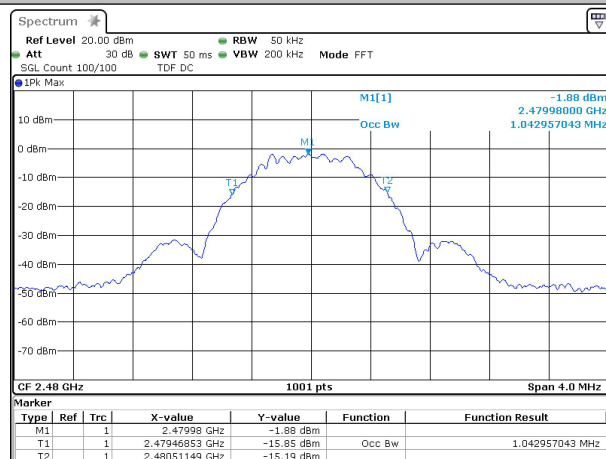
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NTNV_BLE_2440_1Mbps



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NTNV_BLE_2480_1Mbps



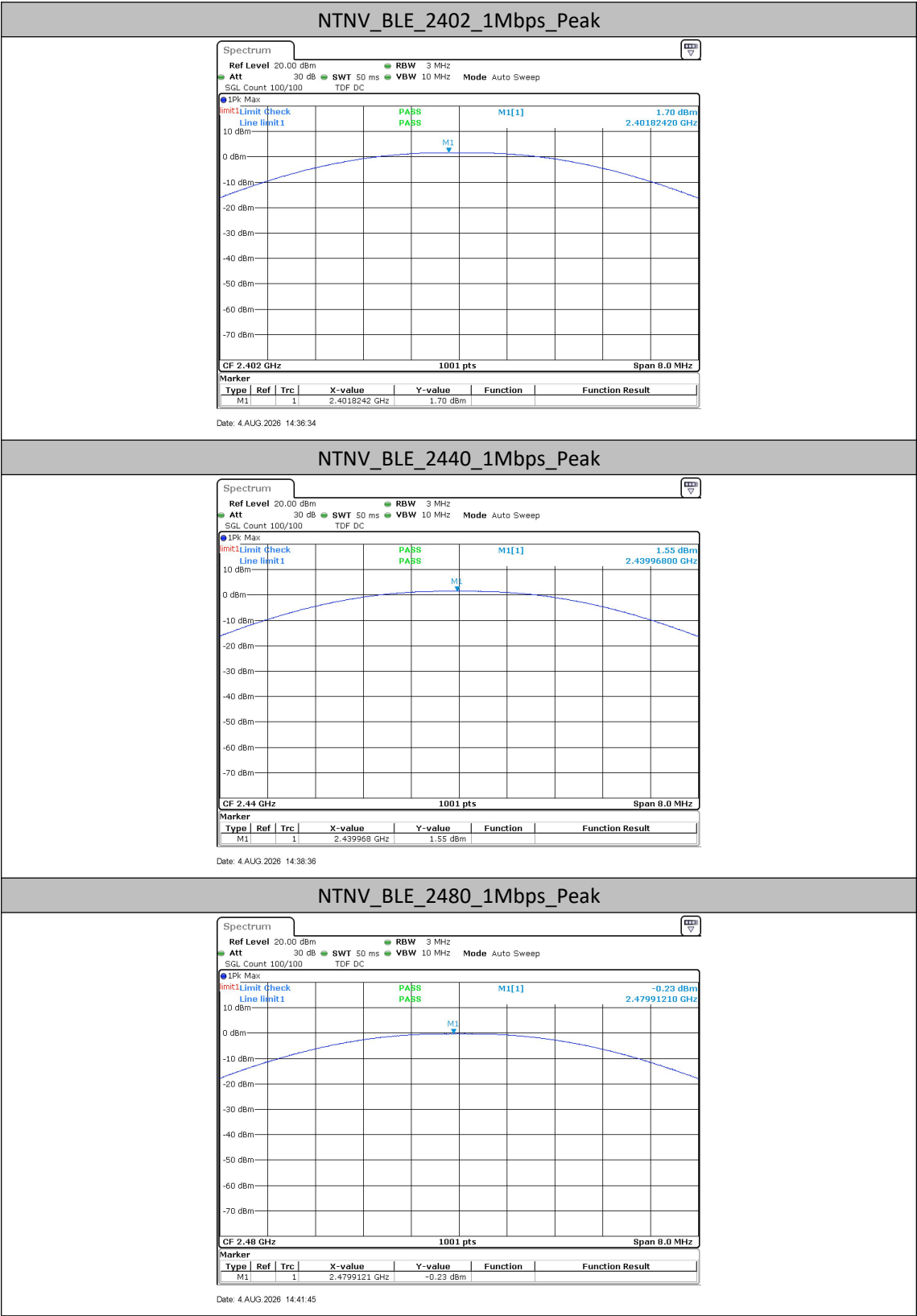
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Appendix C: Maximum conducted output power

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	BLE	2402	Peak	ANT1	1.70	≤30	Pass
2	NTNV	BLE	2440	Peak	ANT1	1.55	≤30	Pass
3	NTNV	BLE	2480	Peak	ANT1	-0.23	≤30	Pass

Test Graphs

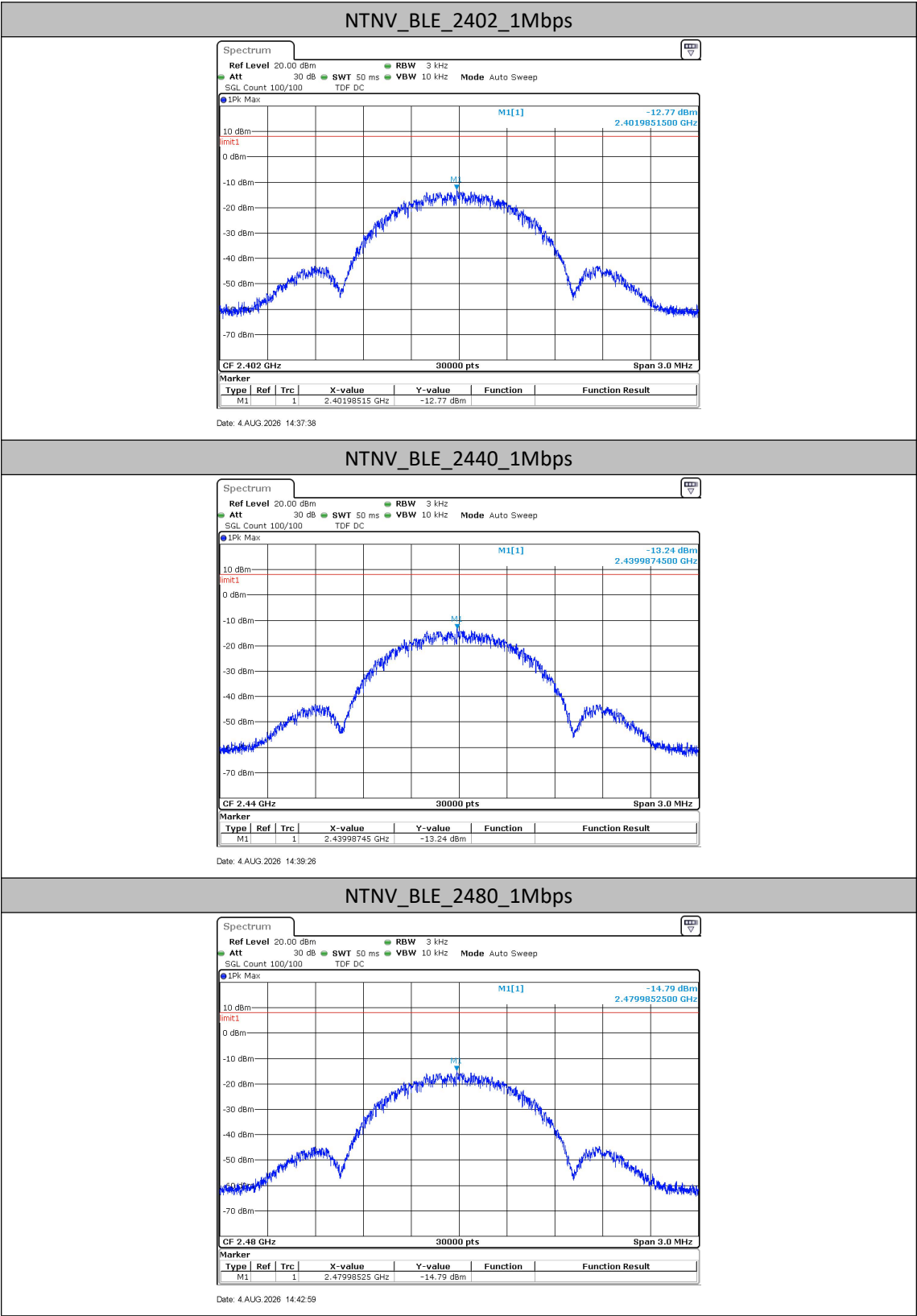


Appendix D: Maximum power spectral density

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	-12.77	≤ 8	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	-13.24	≤ 8	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	-14.79	≤ 8	Pass

Test Graphs



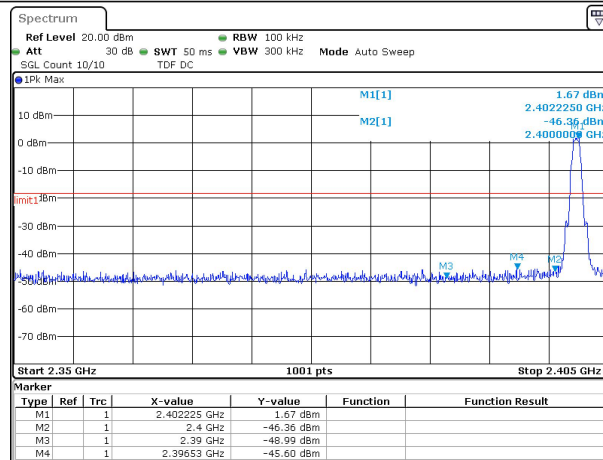
Appendix E: Band edge measurements

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Reference (dBm)	Emission Level (dBm)	Limit (dBm)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	1.67	-45.60	≤ -18.33	Pass
2	NTNV	BLE	2480	1Mbps	ANT1	-0.06	-44.38	≤ -20.06	Pass

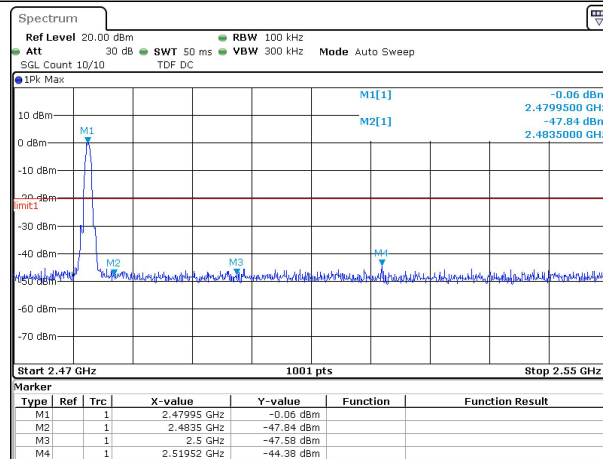
Test Graphs

NTNV_BLE_2402_1Mbps



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NTNV_BLE_2480_1Mbps



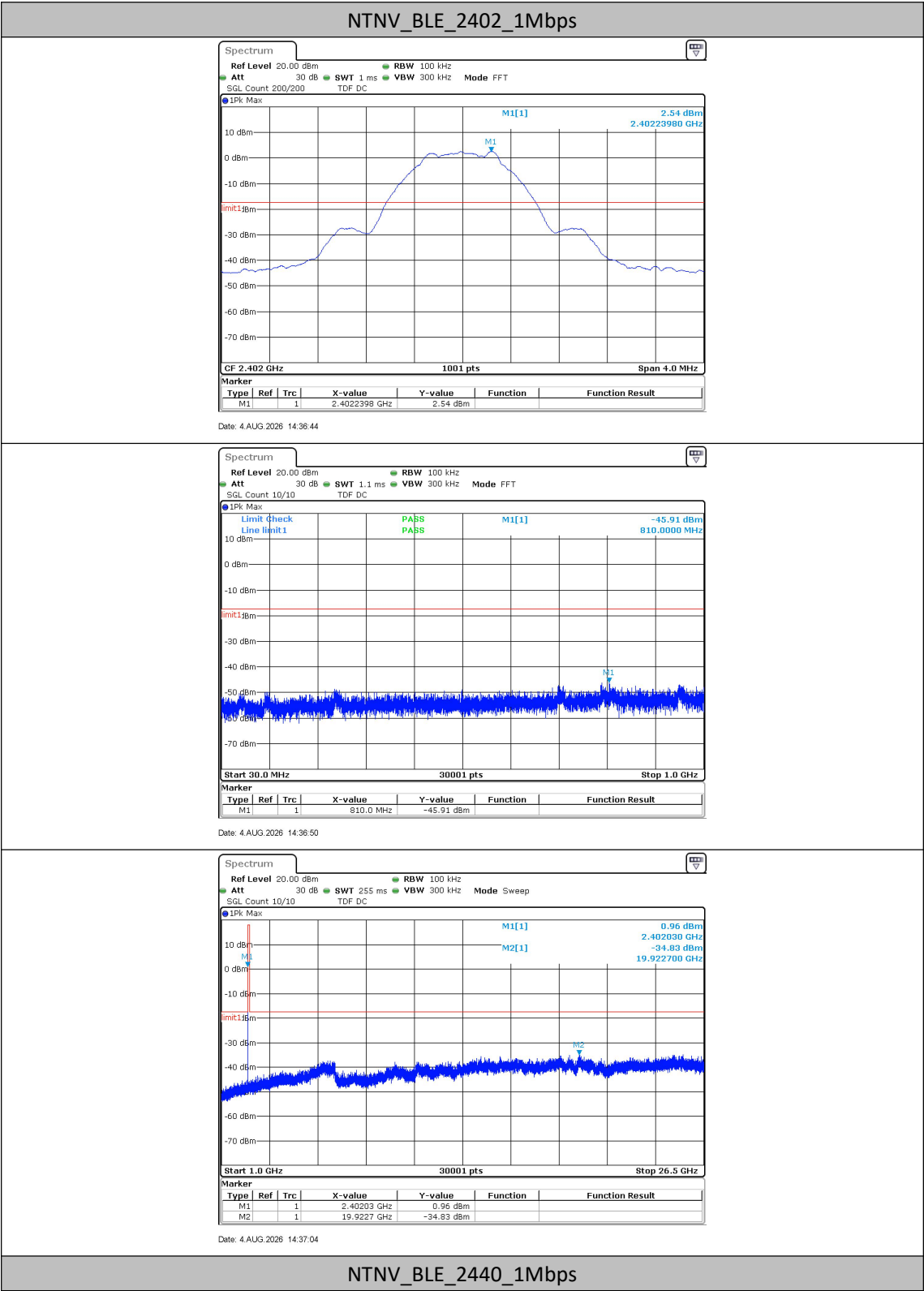
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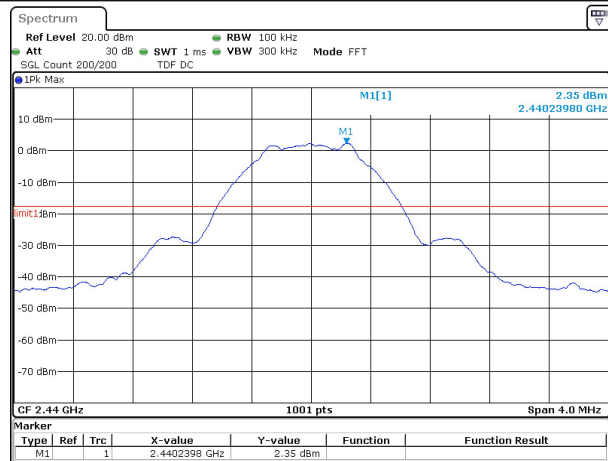
Appendix F: Conducted Spurious Emission

Test Result

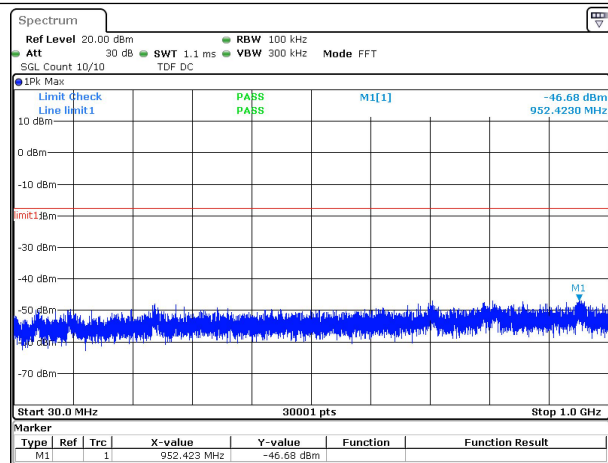
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	Reference	0.1	2.54	/	/
						30~1000	0.1	-45.91	≤-17.46	Pass
						1000~26500	0.1	-34.83	≤-17.46	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	Reference	0.1	2.35	/	/
						30~1000	0.1	-46.68	≤-17.65	Pass
						1000~26500	0.1	-33.51	≤-17.65	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	Reference	0.1	0.62	/	/
						30~1000	0.1	-46.45	≤-19.38	Pass
						1000~26500	0.1	-34.80	≤-19.38	Pass

Test Graphs

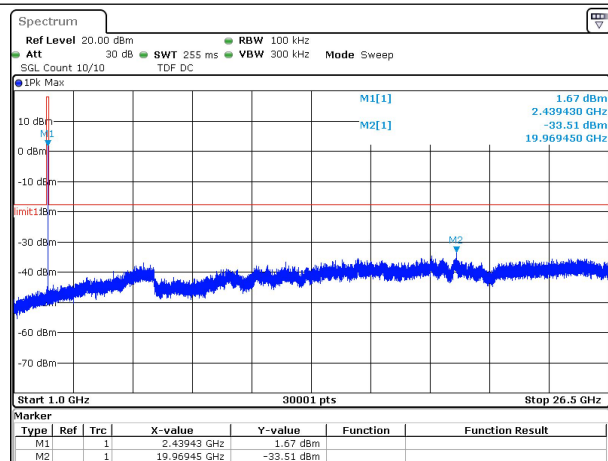




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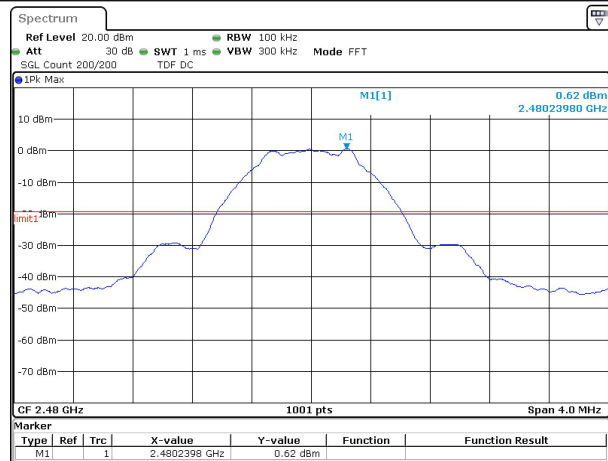


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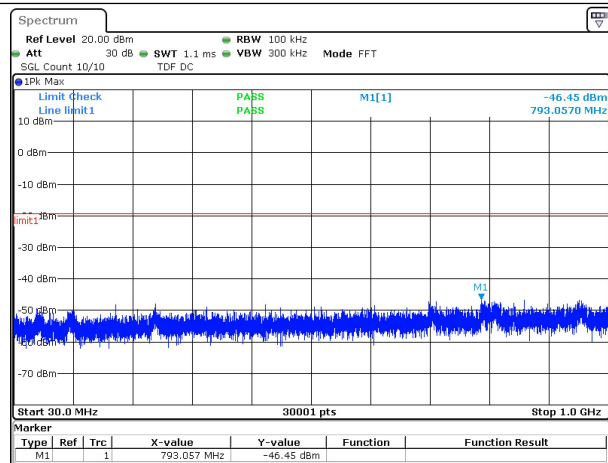


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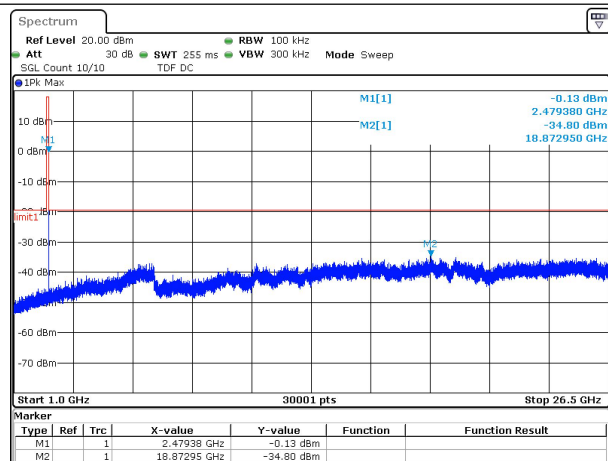
NTNV_BLE_2480_1Mbps



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Appendix G: Duty Cycle

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	T_On (ms)	Period (ms)	Duty Cycle Correction Factor (dB)	Max DC Variation (%)
1	NTNV	BLE	2402	1Mbps	ANT1	0.00	0.00	0.00	100.00
2	NTNV	BLE	2440	1Mbps	ANT1	0.00	0.00	0.00	100.00
3	NTNV	BLE	2480	1Mbps	ANT1	0.00	0.00	0.00	100.00

Test Graphs

