



CQASZ20260801794E-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	Duty Cycle	Pass

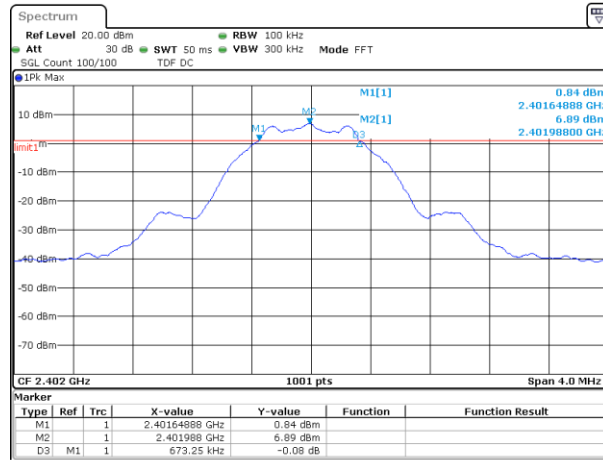
Appendix A: DTS Bandwidth

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	0.67	2401.65	2402.32	≥ 0.5	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	0.67	2439.65	2440.32	≥ 0.5	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	0.67	2479.65	2480.32	≥ 0.5	Pass

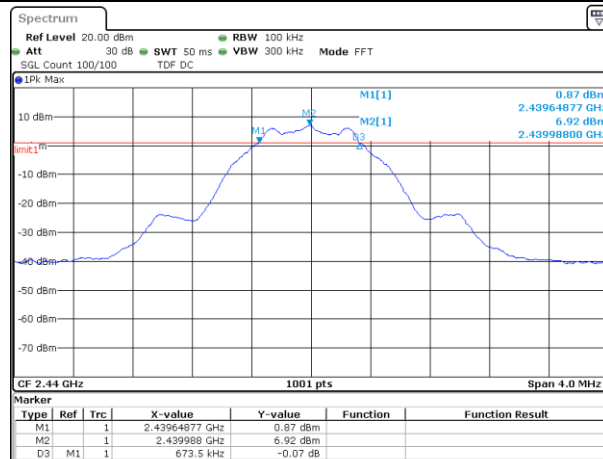
Test Graphs

NTNV_BLE_2402_1Mbps



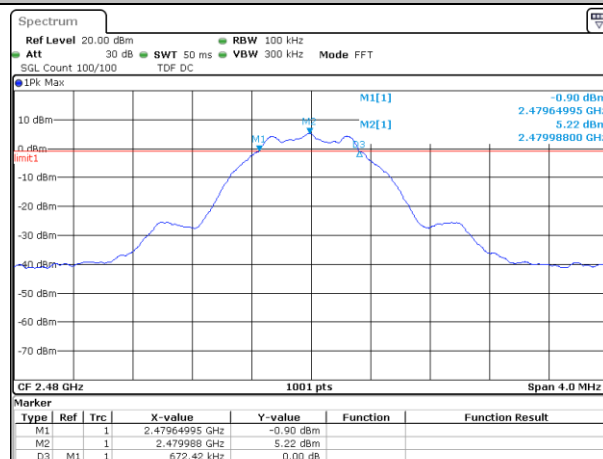
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NTNV_BLE_2440_1Mbps



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NTNV_BLE_2480_1Mbps



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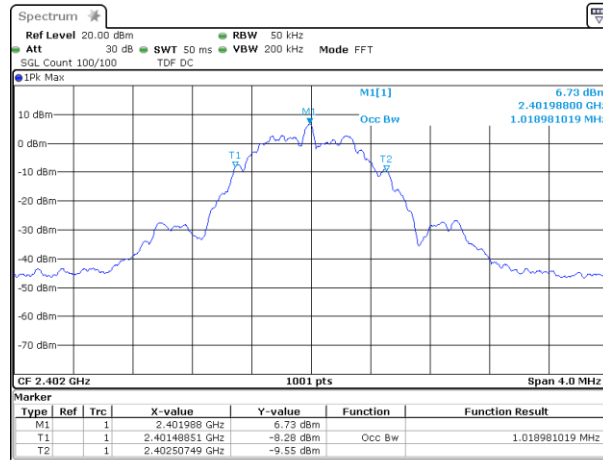
Appendix B: Occupied Channel Bandwidth

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	1.02	-	2401.49	2402.51	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	1.01	-	2439.49	2440.50	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	1.03	-	2479.48	2480.52	Pass

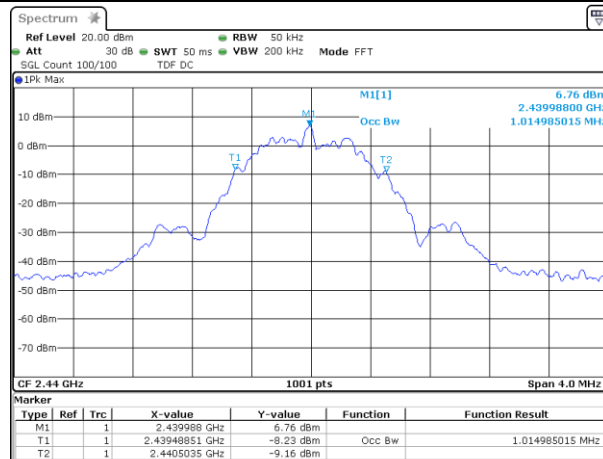
Test Graphs

NTNV_BLE_2402_1Mbps



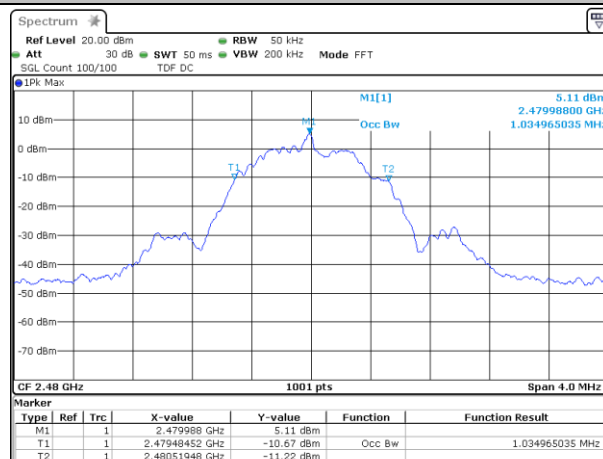
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NTNV_BLE_2440_1Mbps



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NTNV_BLE_2480_1Mbps



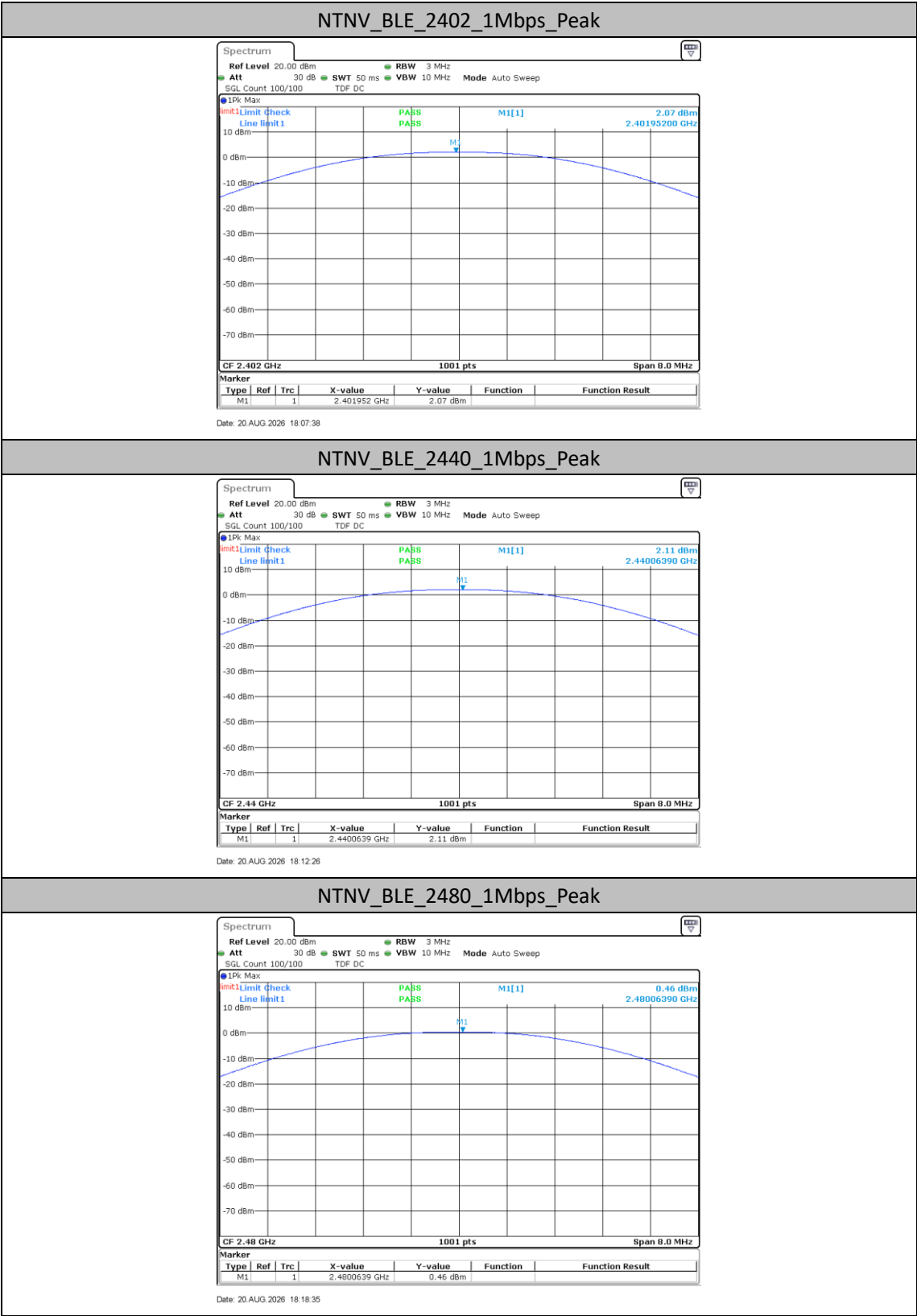
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Appendix C: Maximum conducted output power

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	2.07	≤30	Pass
2	NTNV	BLE	2440	Peak	ANT1	2.11	≤30	Pass
3	NTNV	BLE	2480	Peak	ANT1	0.46	≤30	Pass

Test Graphs

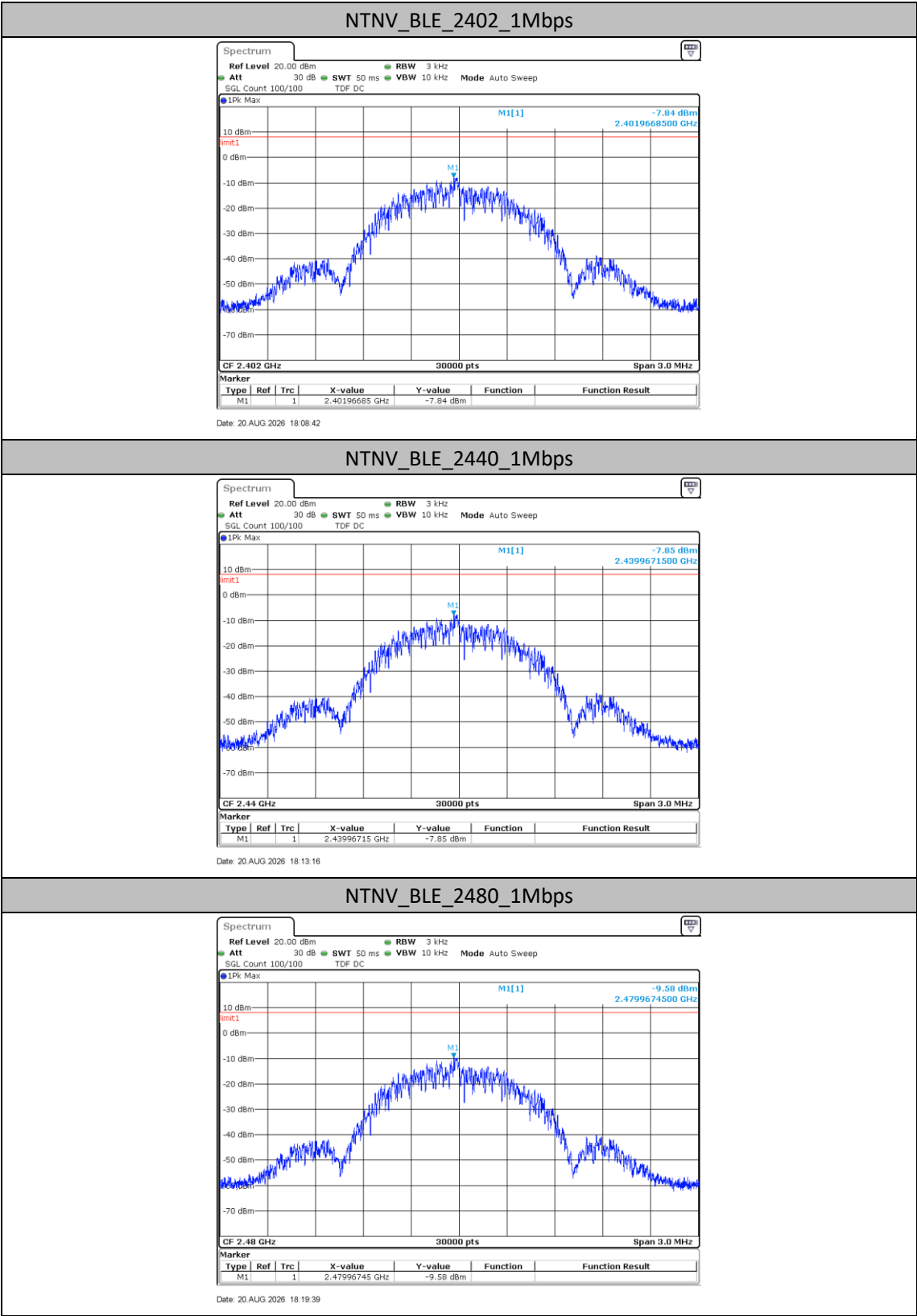


Appendix D: Maximum power spectral density

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	-7.84	≤ 8	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	-7.85	≤ 8	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	-9.58	≤ 8	Pass

Test Graphs

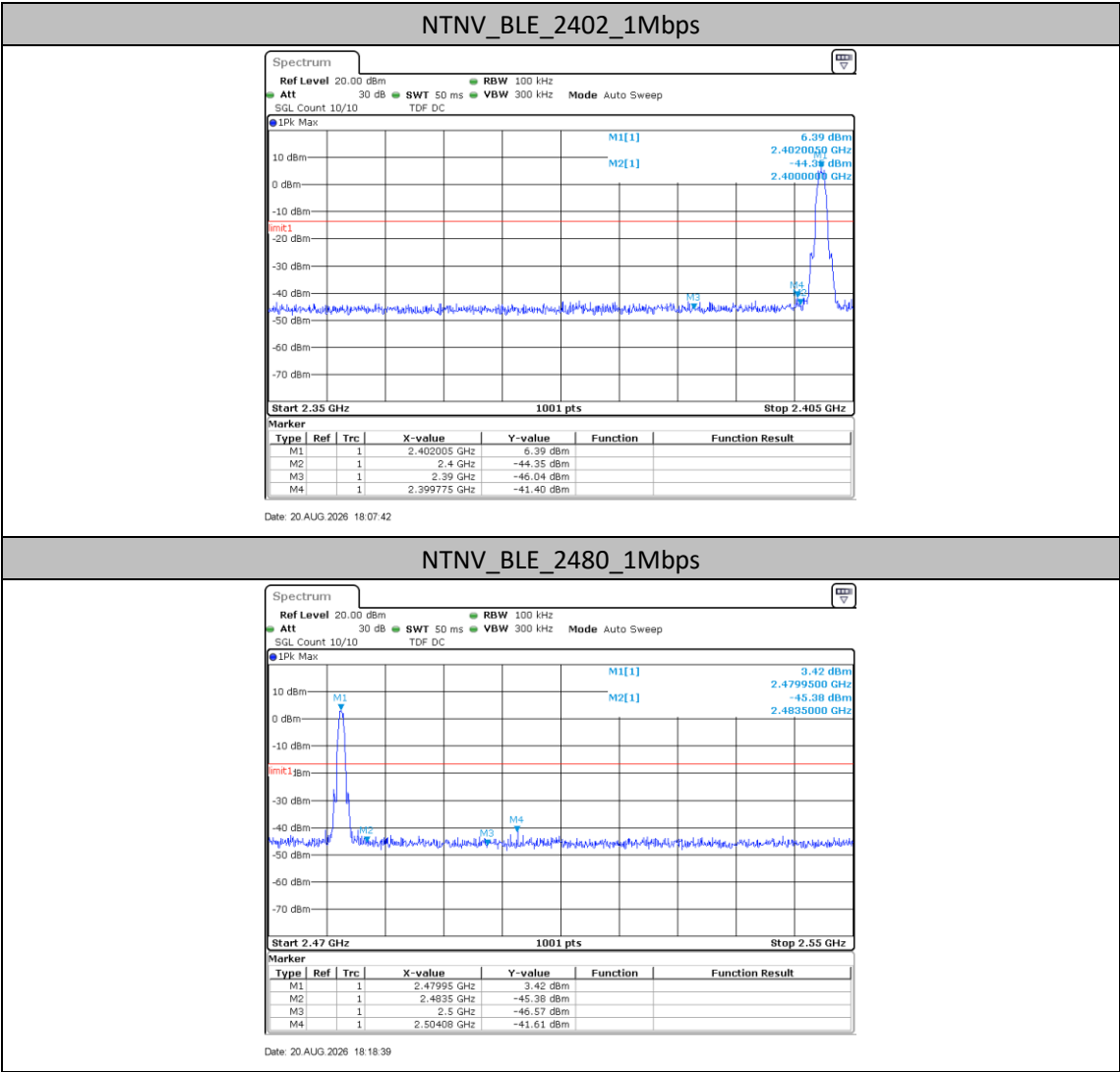


Appendix E: Band edge measurements

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	6.39	-41.40	≤ -13.61	Pass
2	NTNV	BLE	2480	1Mbps	ANT1	3.42	-41.61	≤ -16.58	Pass

Test Graphs

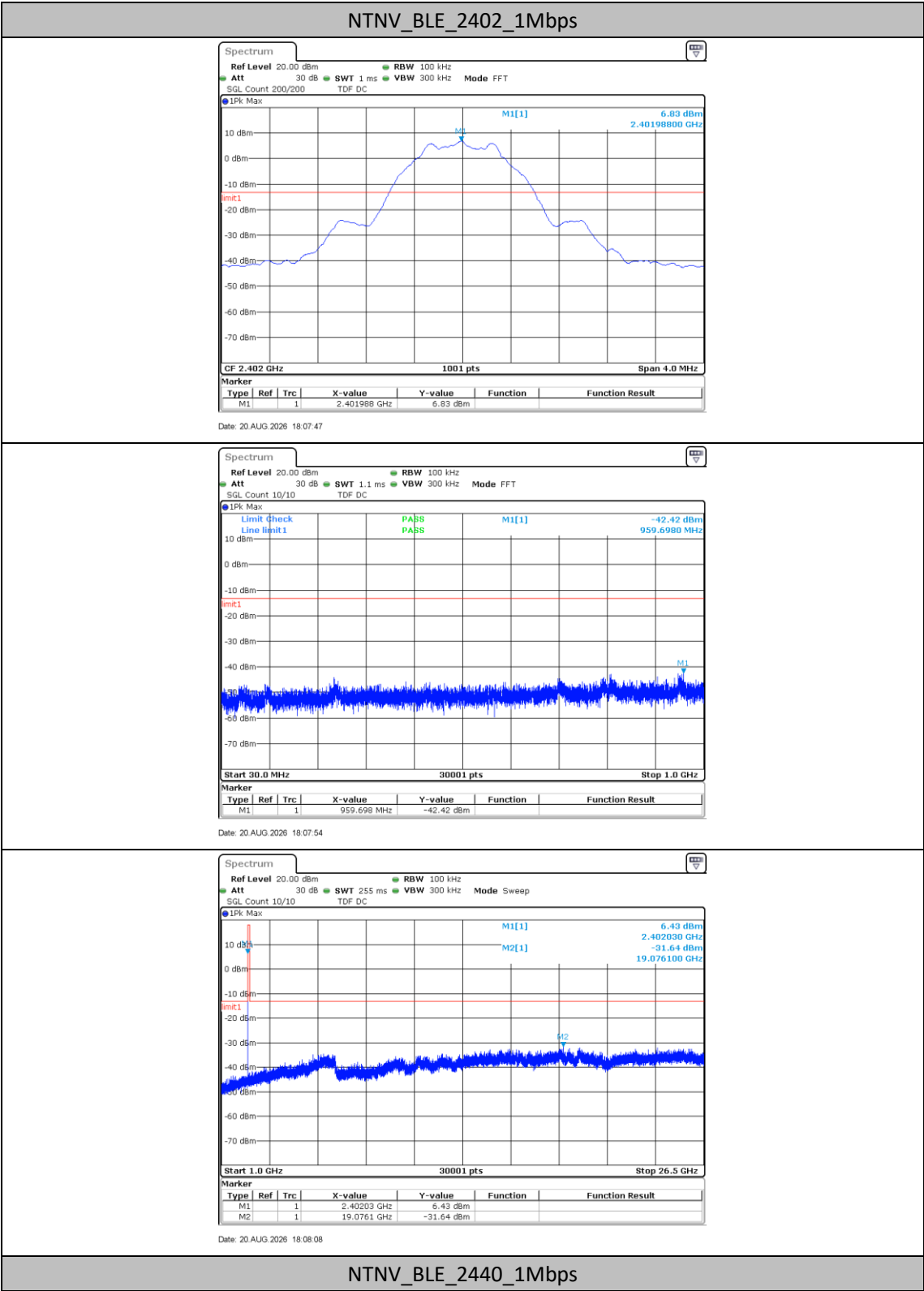


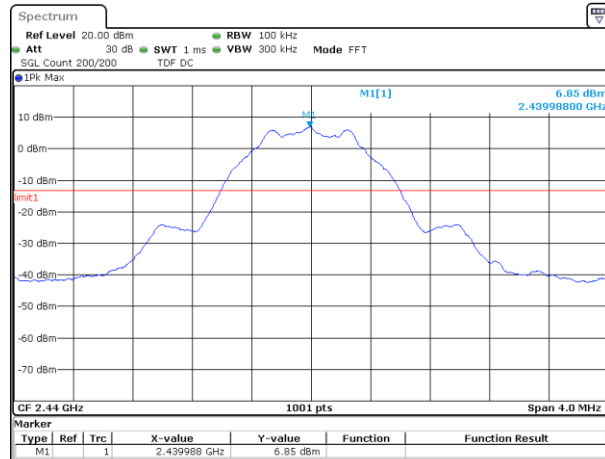
Appendix F: Conducted Spurious Emission

Test Result

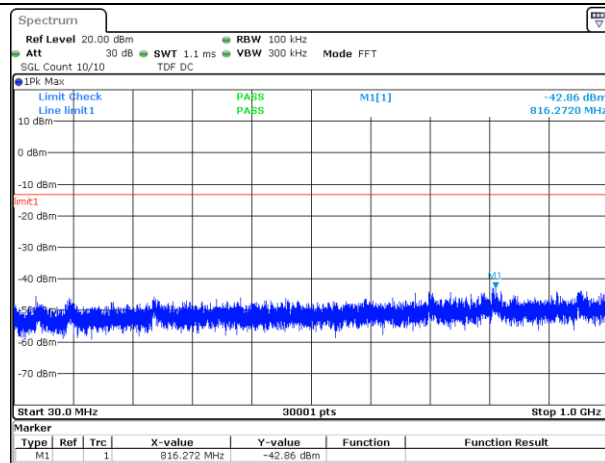
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	Reference	0.1	6.83	/	/
						30~1000	0.1	-42.42	≤-13.17	Pass
						1000~26500	0.1	-31.64	≤-13.17	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	Reference	0.1	6.85	/	/
						30~1000	0.1	-42.86	≤-13.15	Pass
						1000~26500	0.1	-31.03	≤-13.15	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	Reference	0.1	5.22	/	/
						30~1000	0.1	-42.32	≤-14.78	Pass
						1000~26500	0.1	-31.58	≤-14.78	Pass

Test Graphs

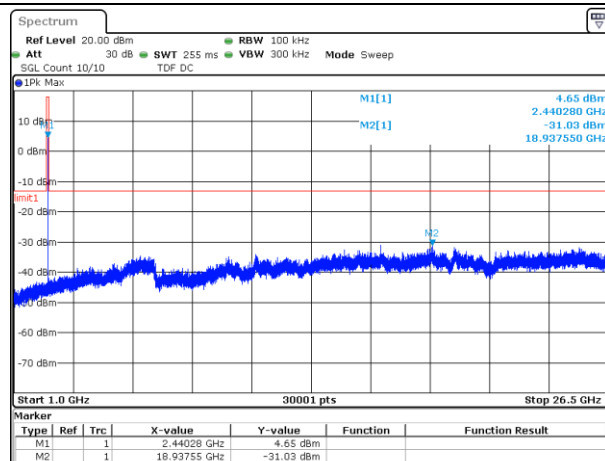




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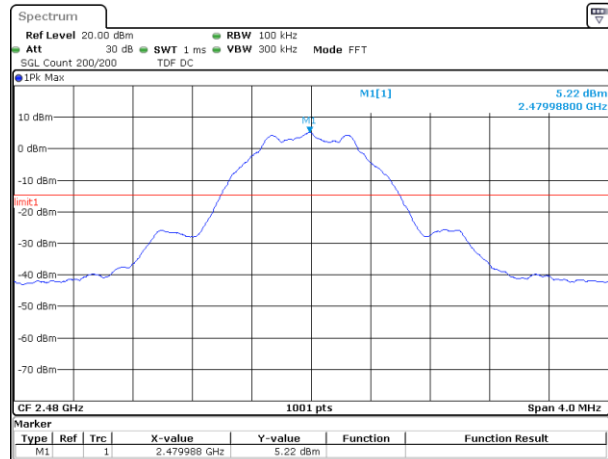


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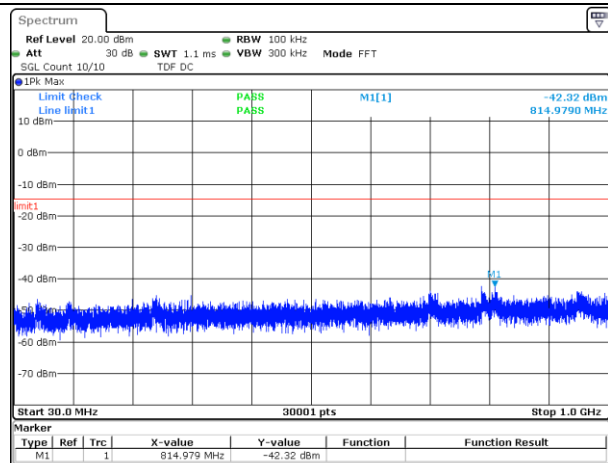


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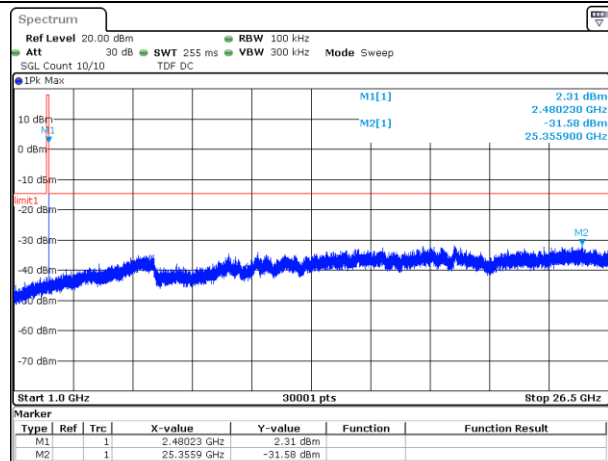
NTNV_BLE_2480_1Mbps



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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	0.42	0.62	0.67	67.13
2	NTNV	BLE	2440	1Mbps	ANT1	0.42	0.62	0.67	67.20
3	NTNV	BLE	2480	1Mbps	ANT1	0.42	0.63	0.67	67.20

Test Graphs

