



CQASZ20260701603E-01

Summary

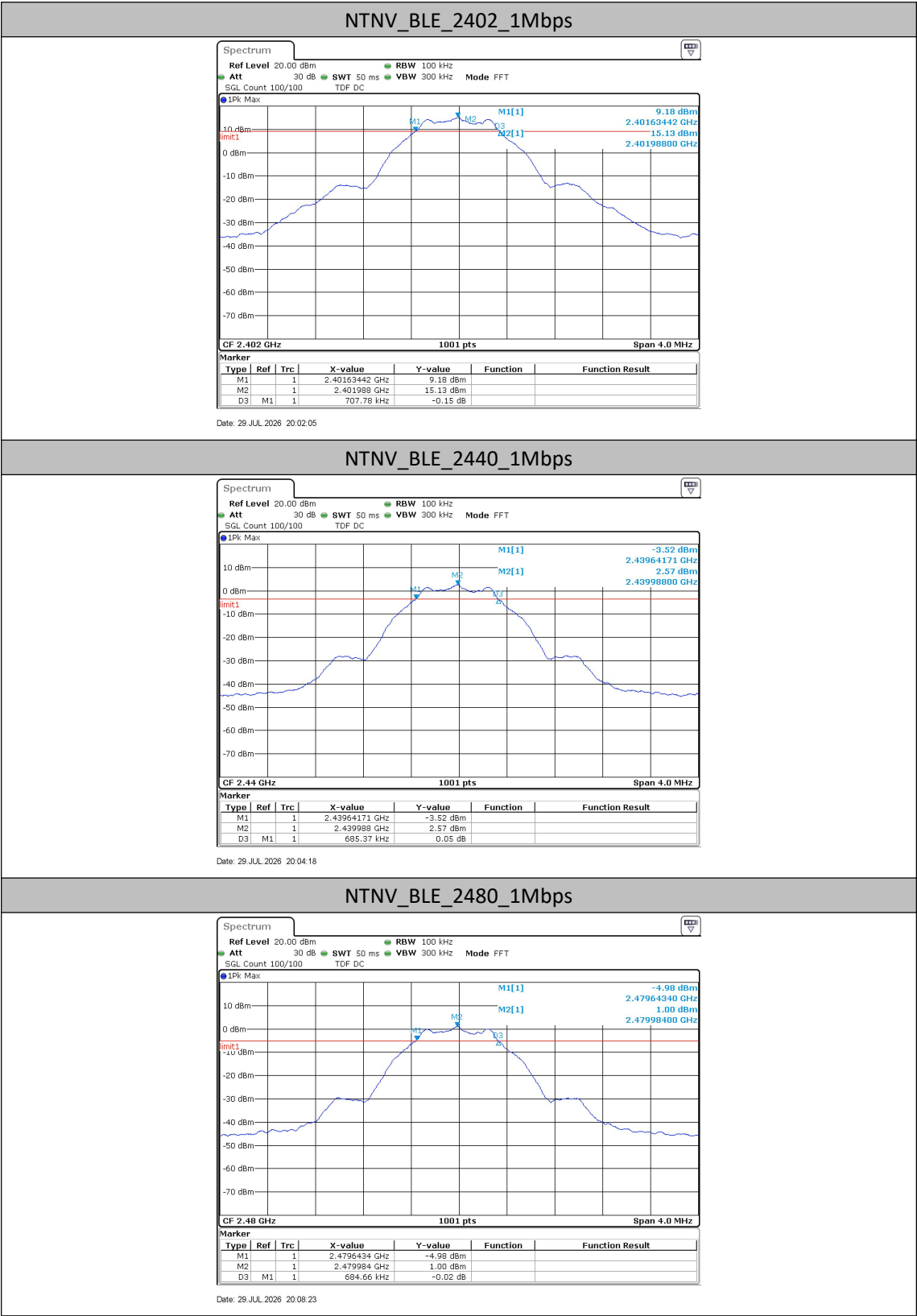
NO.	Item	Verdict
1	DTS Bandwidth	Pass
2	Occupied Channel Bandwidth	Pass
3	Maximum conducted output power	Pass
4	Maximum power spectral density	Pass
5	Band edge measurements	Pass
6	Conducted Spurious Emission	Pass
7	Emissions in Restricted Bands	Pass
8	Duty Cycle	Pass

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	0.71	2401.63	2402.34	≥ 0.5	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	0.68	2439.64	2440.33	≥ 0.5	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	0.68	2479.64	2480.33	≥ 0.5	Pass

Test Graphs

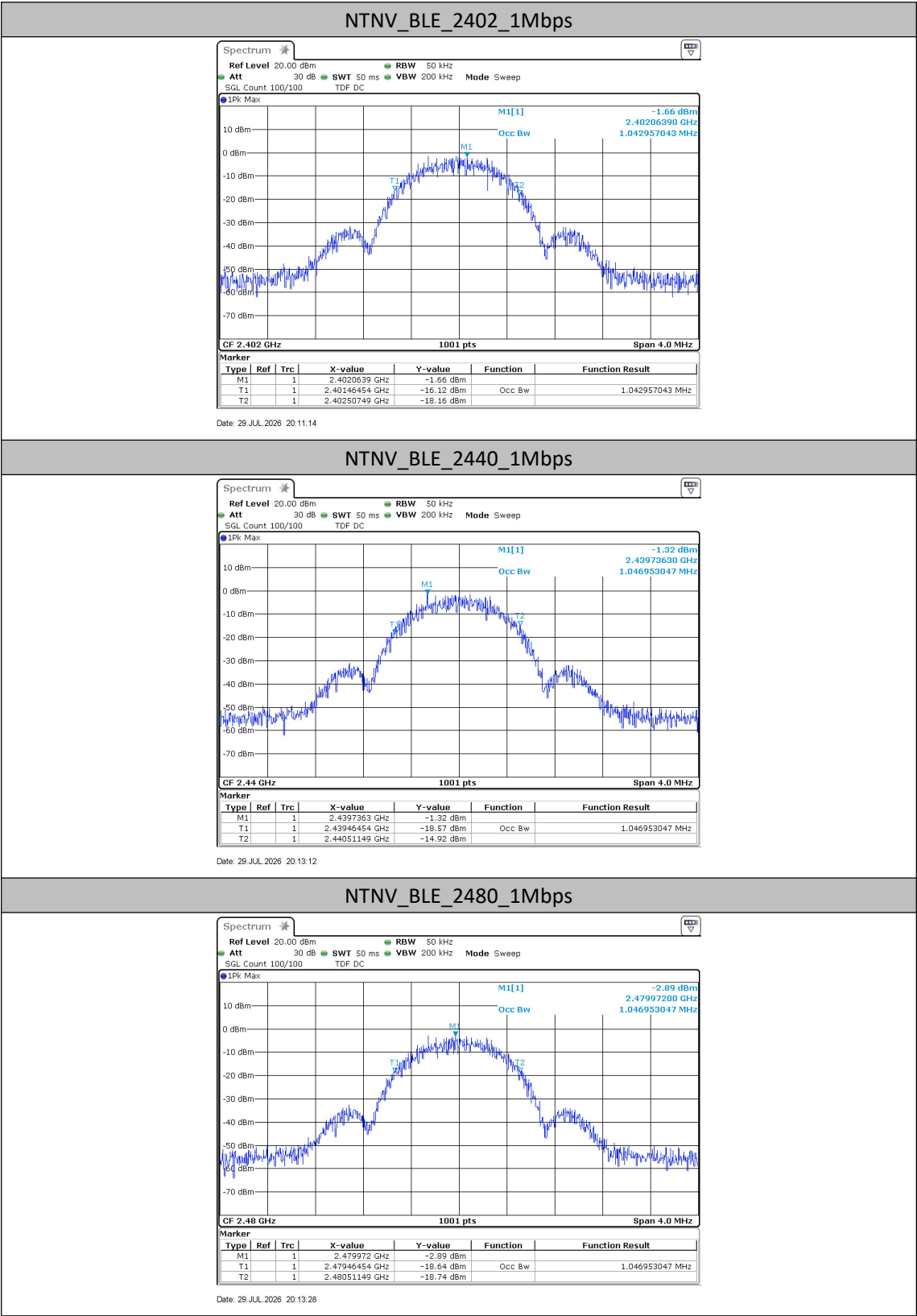


Appendix B: Occupied Channel Bandwidth

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	99% OBW (MHz)	FL (MHz)	FH (MHz)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	1.04	2401.46	2402.51	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	1.05	2439.46	2440.51	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	1.05	2479.46	2480.51	Pass

Test Graphs

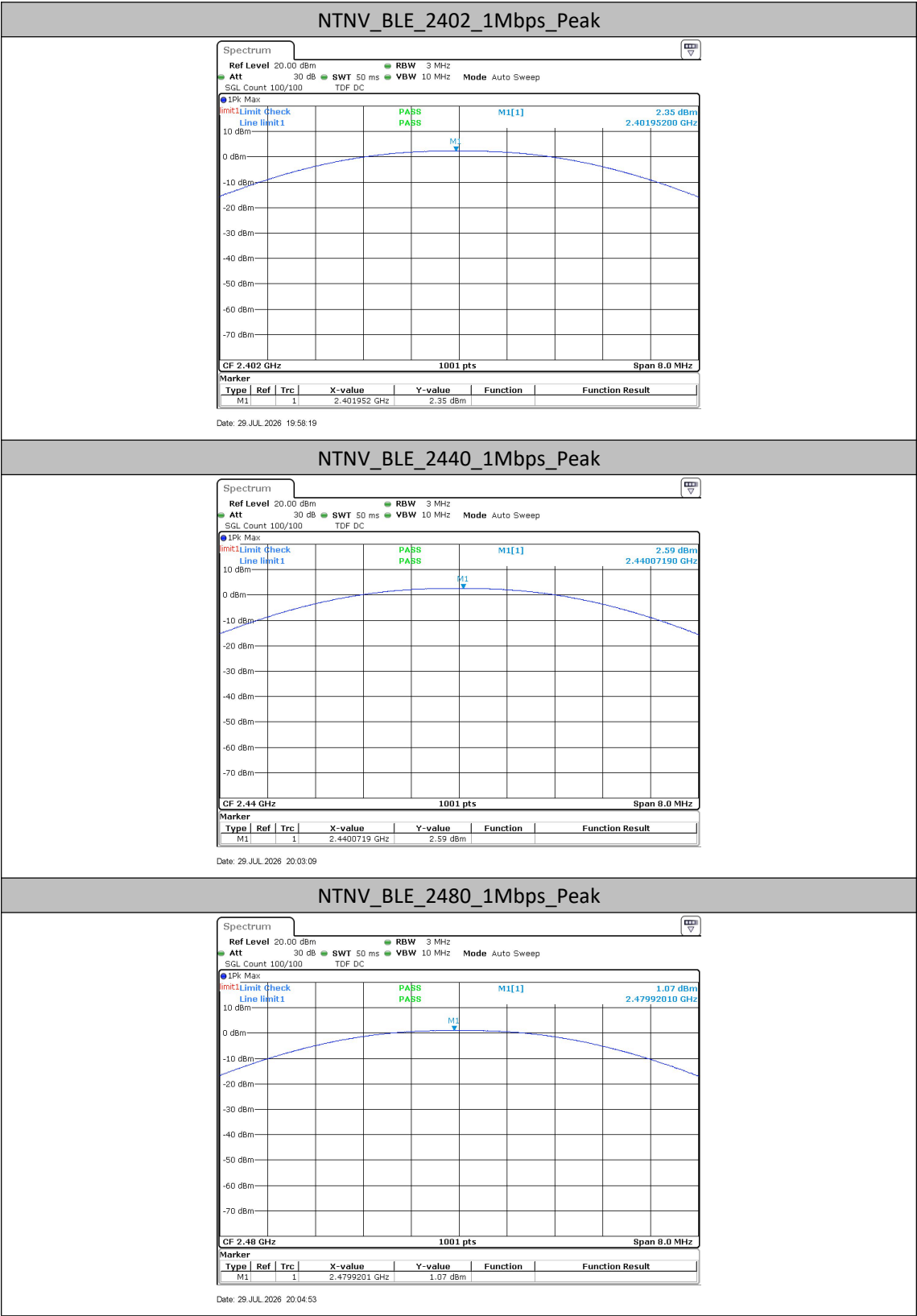


Appendix C: Maximum conducted output power

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	2.35	≤ 30	Pass
2	NTNV	BLE	2440	Peak	ANT1	2.59	≤ 30	Pass
3	NTNV	BLE	2480	Peak	ANT1	1.07	≤ 30	Pass

Test Graphs



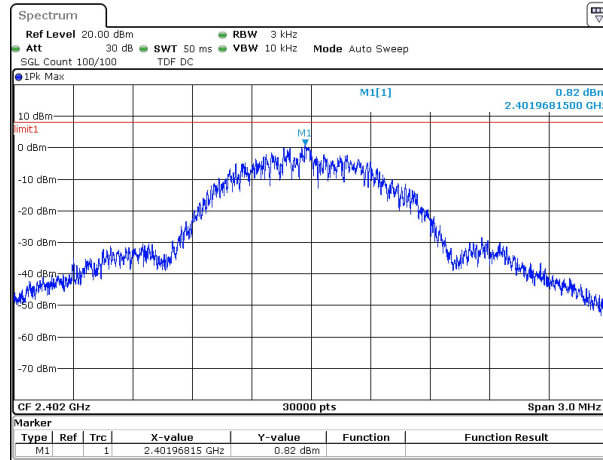
Appendix D: Maximum power spectral density

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	0.82	≤ 8	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	-12.18	≤ 8	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	-13.84	≤ 8	Pass

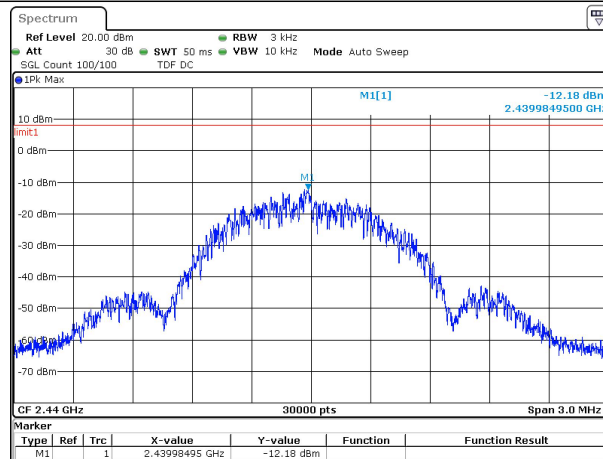
Test Graphs

NTNV_BLE_2402_1Mbps



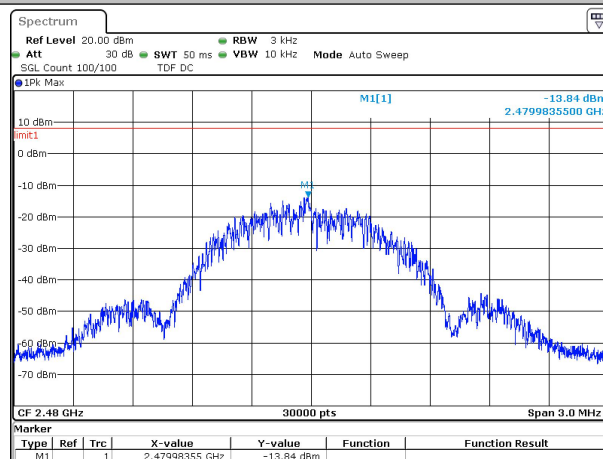
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NTNV_BLE_2440_1Mbps



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NTNV_BLE_2480_1Mbps



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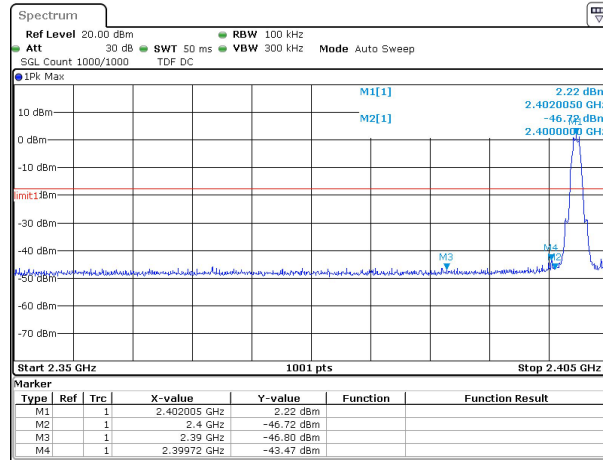
Appendix E: Band edge measurements

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	2.22	-43.47	≤ -17.78	Pass
2	NTNV	BLE	2480	1Mbps	ANT1	0.93	-45.67	≤ -19.07	Pass

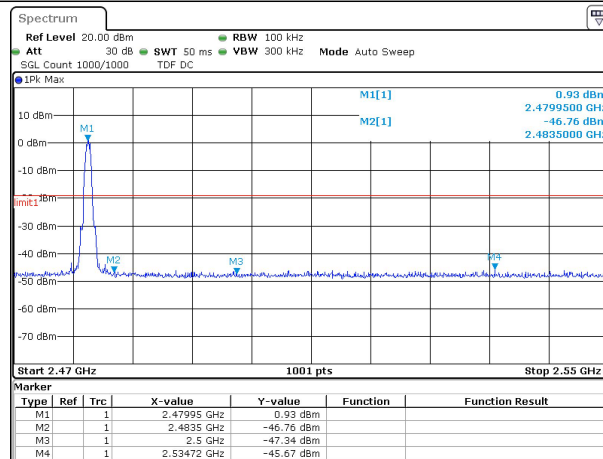
Test Graphs

NTNV_BLE_2402_1Mbps



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NTNV_BLE_2480_1Mbps



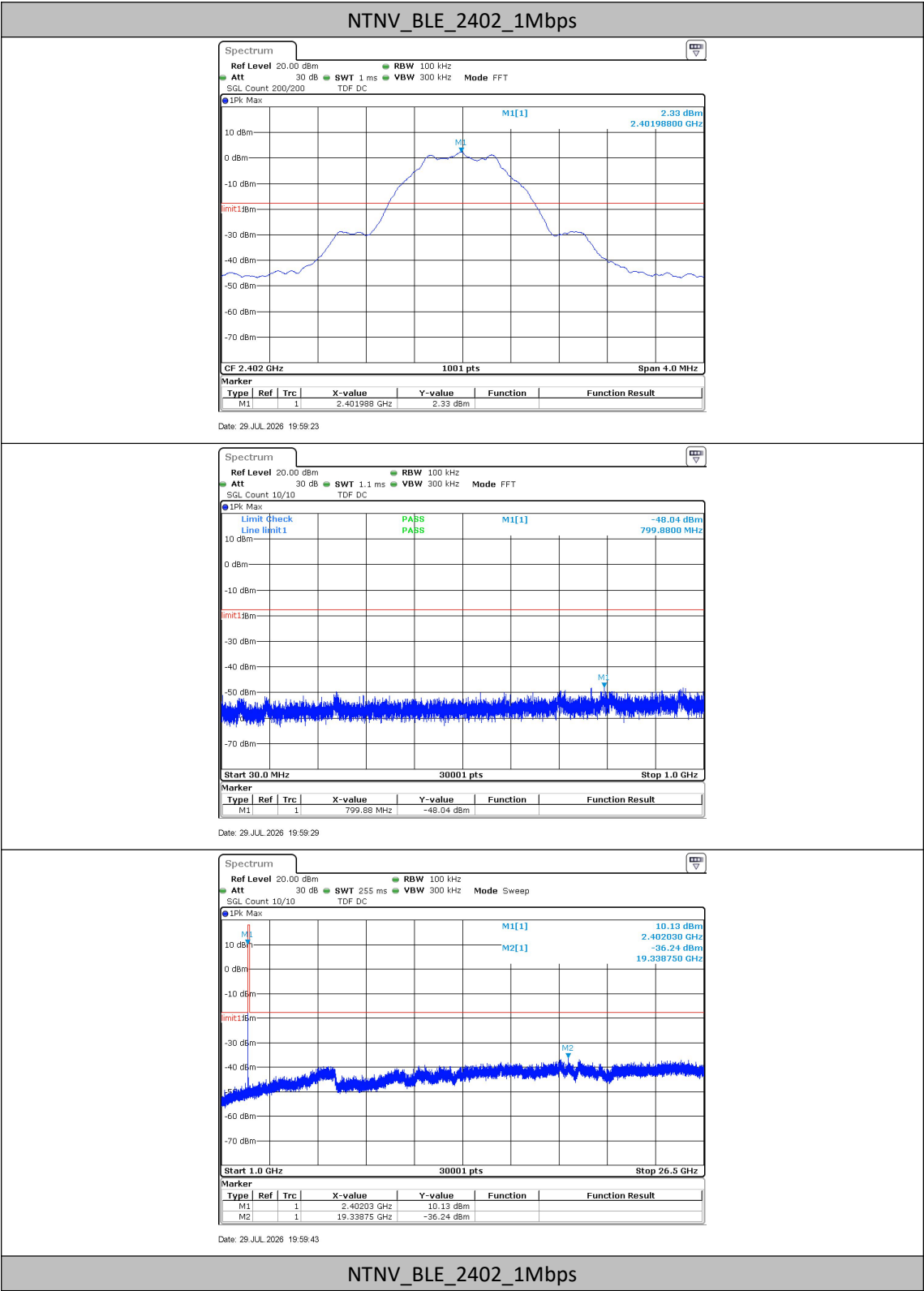
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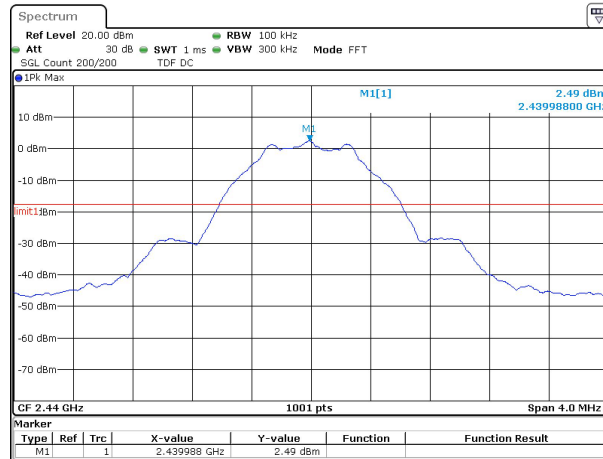
Appendix F: Conducted Spurious Emission

Test Result

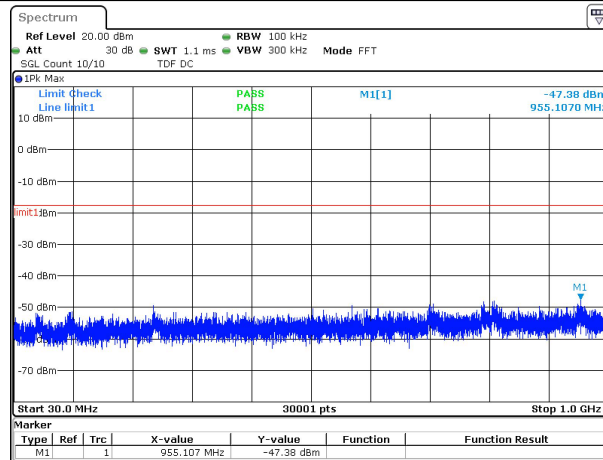
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	Reference	0.1	2.33	/	/
						30~1000	0.1	-48.04	≤-17.67	Pass
						1000~26500	0.1	-36.24	≤-17.67	Pass
2	NTNV	BLE	2402	1Mbps	ANT1	Reference	0.1	2.49	/	/
						30~1000	0.1	-47.38	≤-17.51	Pass
						1000~26500	0.1	-35.67	≤-17.51	Pass
3	NTNV	BLE	2402	1Mbps	ANT1	Reference	0.1	0.95	/	/
						30~1000	0.1	-47.44	≤-19.05	Pass
						1000~26500	0.1	-35.95	≤-19.05	Pass

Test Graphs

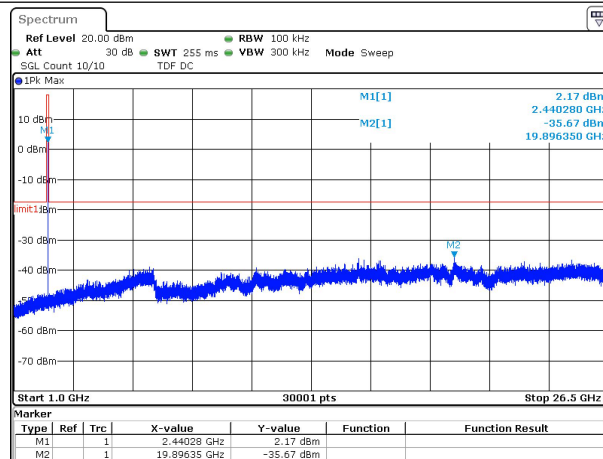




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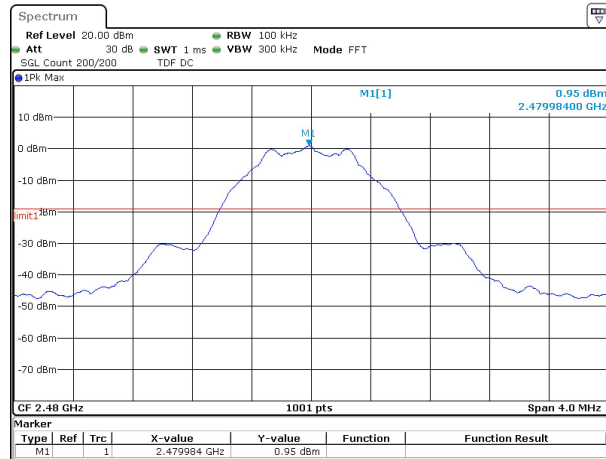


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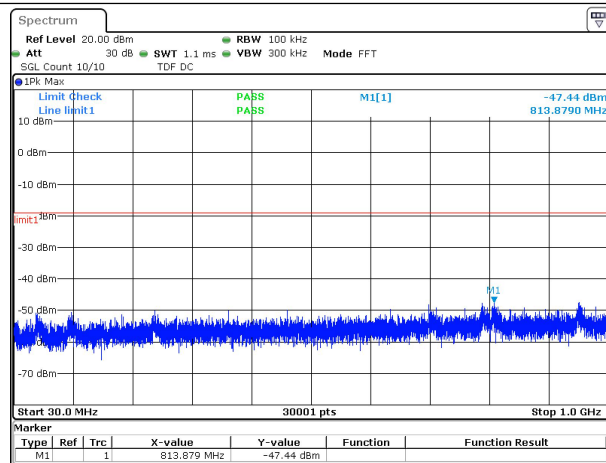


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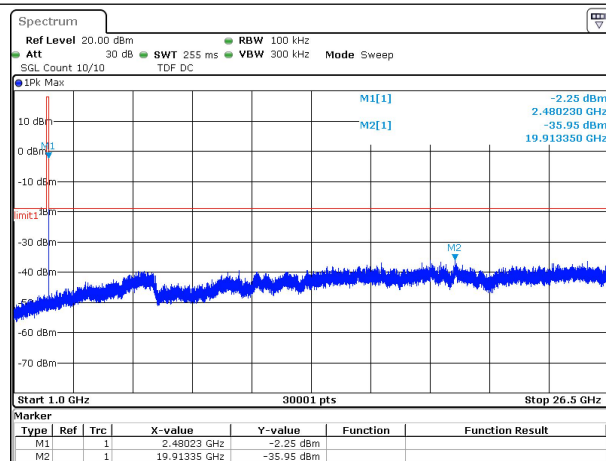
NTNV_BLE_2402_1Mbps



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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	67.40
2	NTNV	BLE	2440	1Mbps	ANT1	0.42	0.62	0.68	67.54
3	NTNV	BLE	2480	1Mbps	ANT1	0.42	0.62	0.67	67.40

Test Graphs

