



CQASZ20260701681E-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

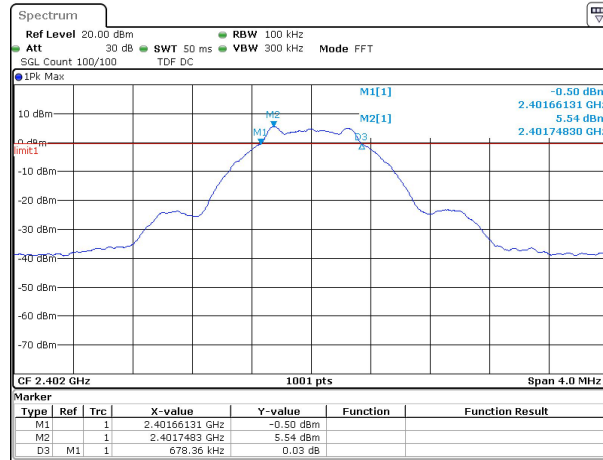
Appendix A: DTS Bandwidth

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	0.68	2401.66	2402.34	≥ 0.5	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	0.68	2439.66	2440.34	≥ 0.5	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	0.67	2479.66	2480.34	≥ 0.5	Pass

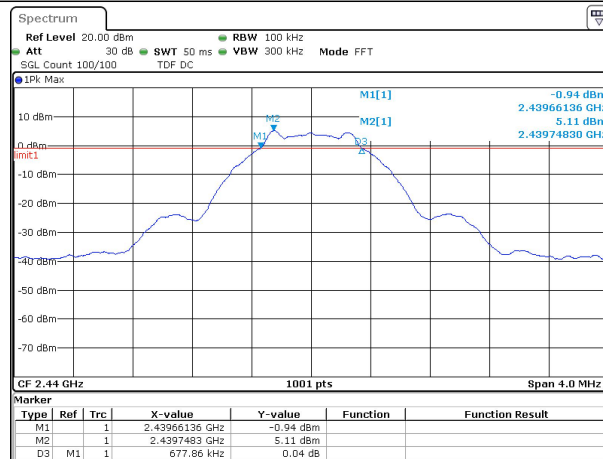
Test Graphs

NTNV_BLE_2402_1Mbps



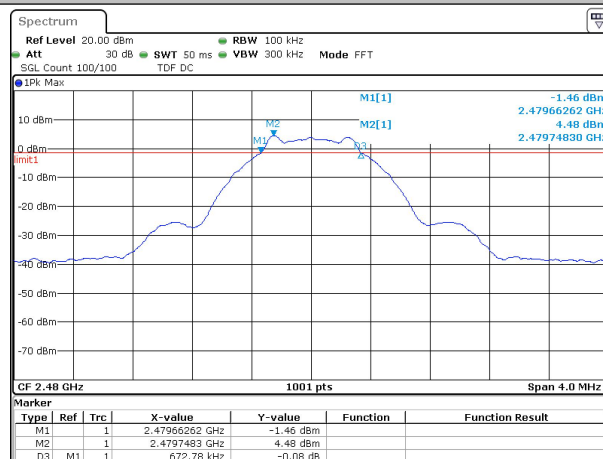
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NTNV_BLE_2440_1Mbps



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NTNV_BLE_2480_1Mbps



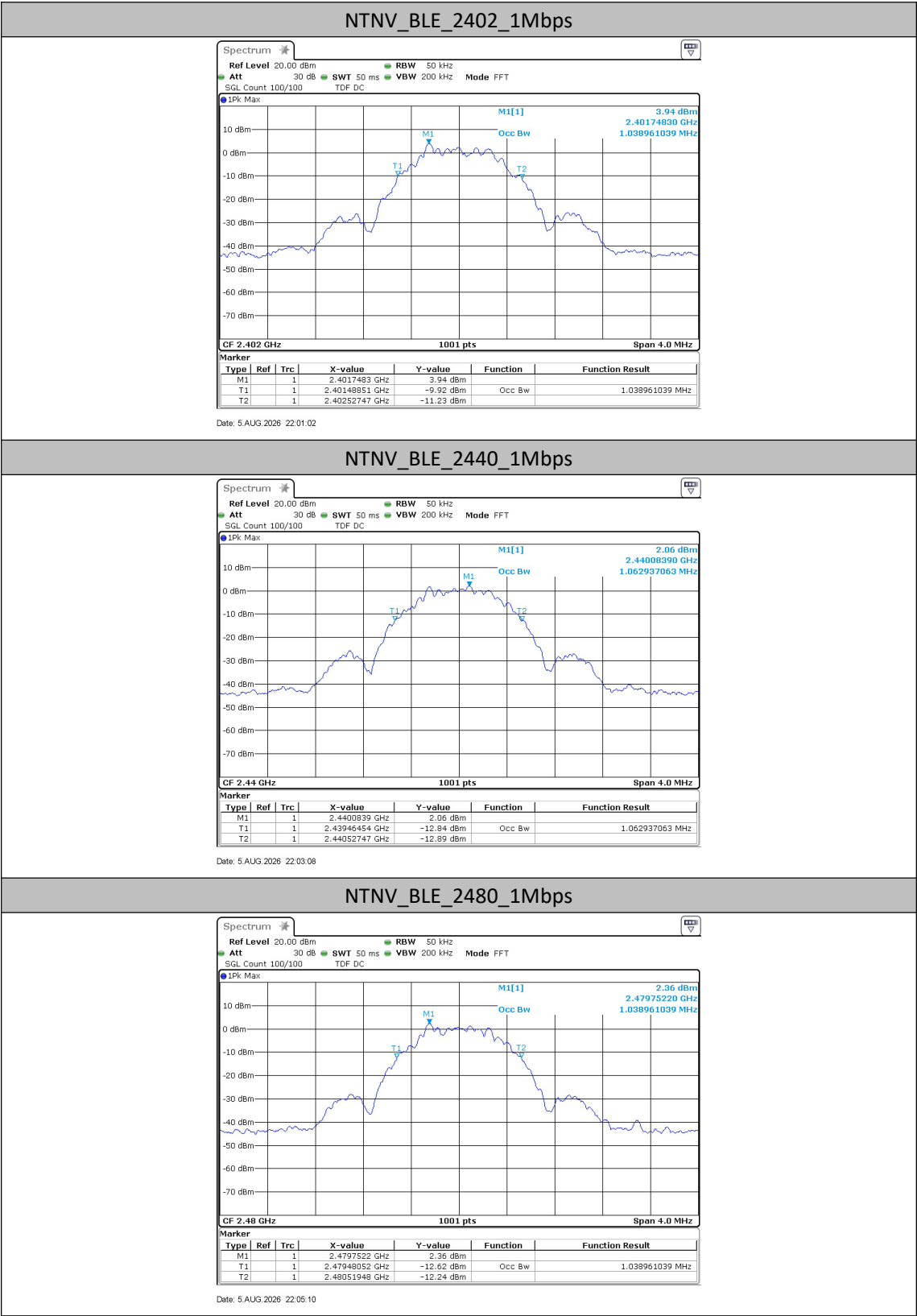
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Appendix B: Occupied Channel Bandwidth

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	1.04	-	2401.49	2402.53	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	1.06	-	2439.46	2440.53	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	1.04	-	2479.48	2480.52	Pass

Test Graphs

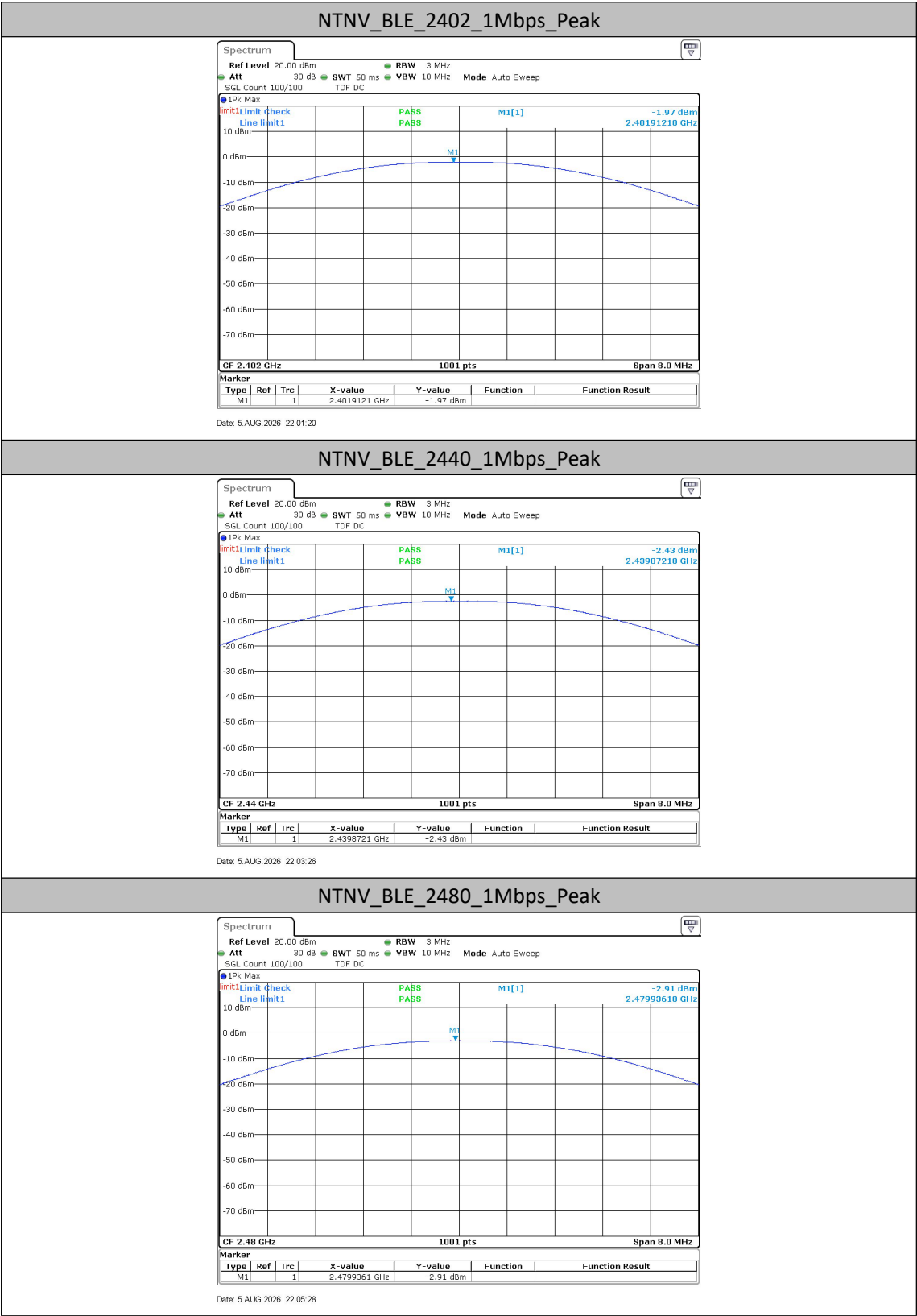


Appendix C: Maximum conducted output power

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
1	NTNV	BLE	2402	Peak	ANT1	-1.97	≤28.09	7.91	5.94	≤36	Pass
2	NTNV	BLE	2440	Peak	ANT1	-2.43	≤28.09	7.91	5.48	≤36	Pass
3	NTNV	BLE	2480	Peak	ANT1	-2.91	≤28.09	7.91	5.00	≤36	Pass

Test Graphs

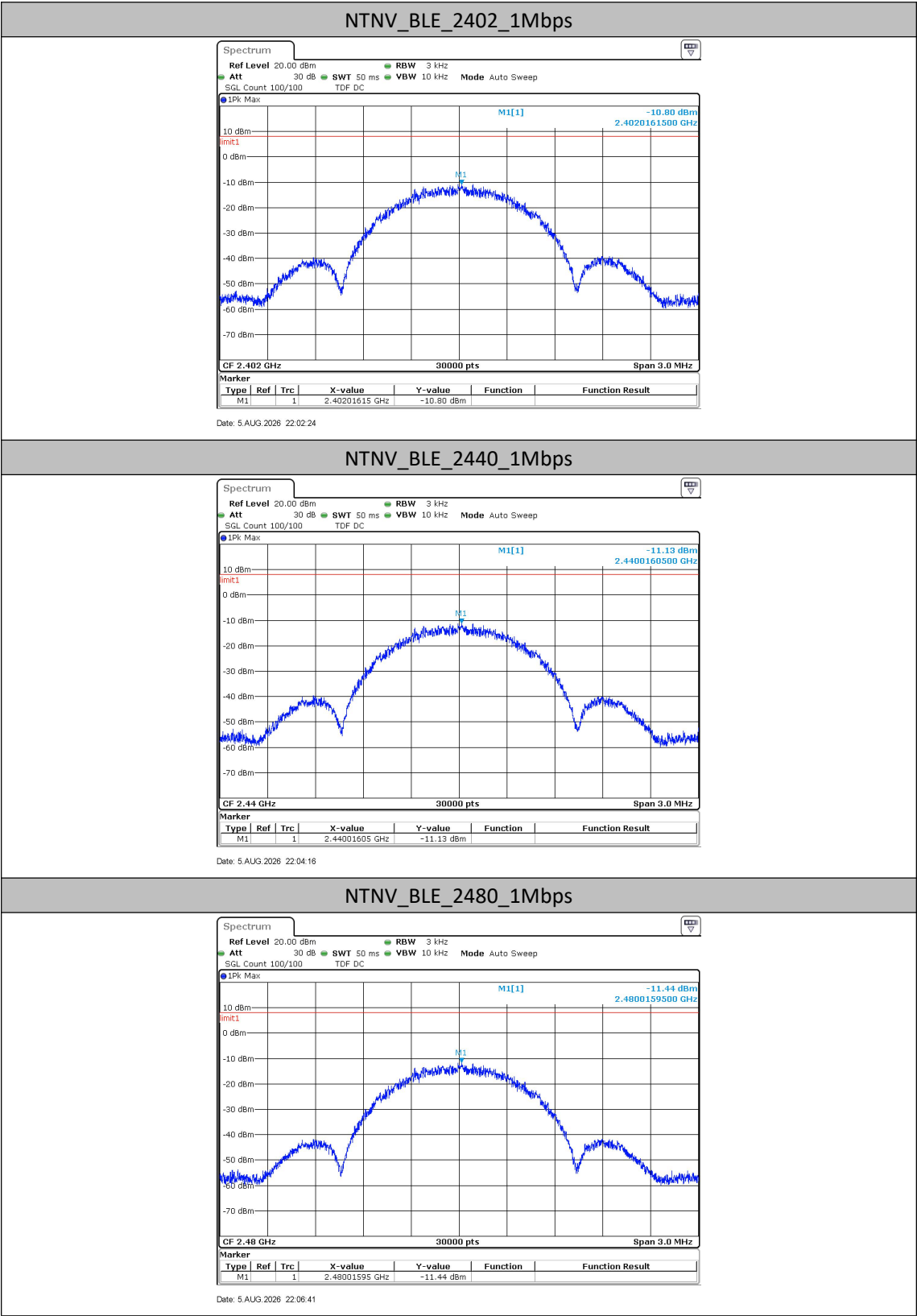


Appendix D: Maximum power spectral density

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	-10.80	≤ 8	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	-11.13	≤ 8	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	-11.44	≤ 8	Pass

Test Graphs

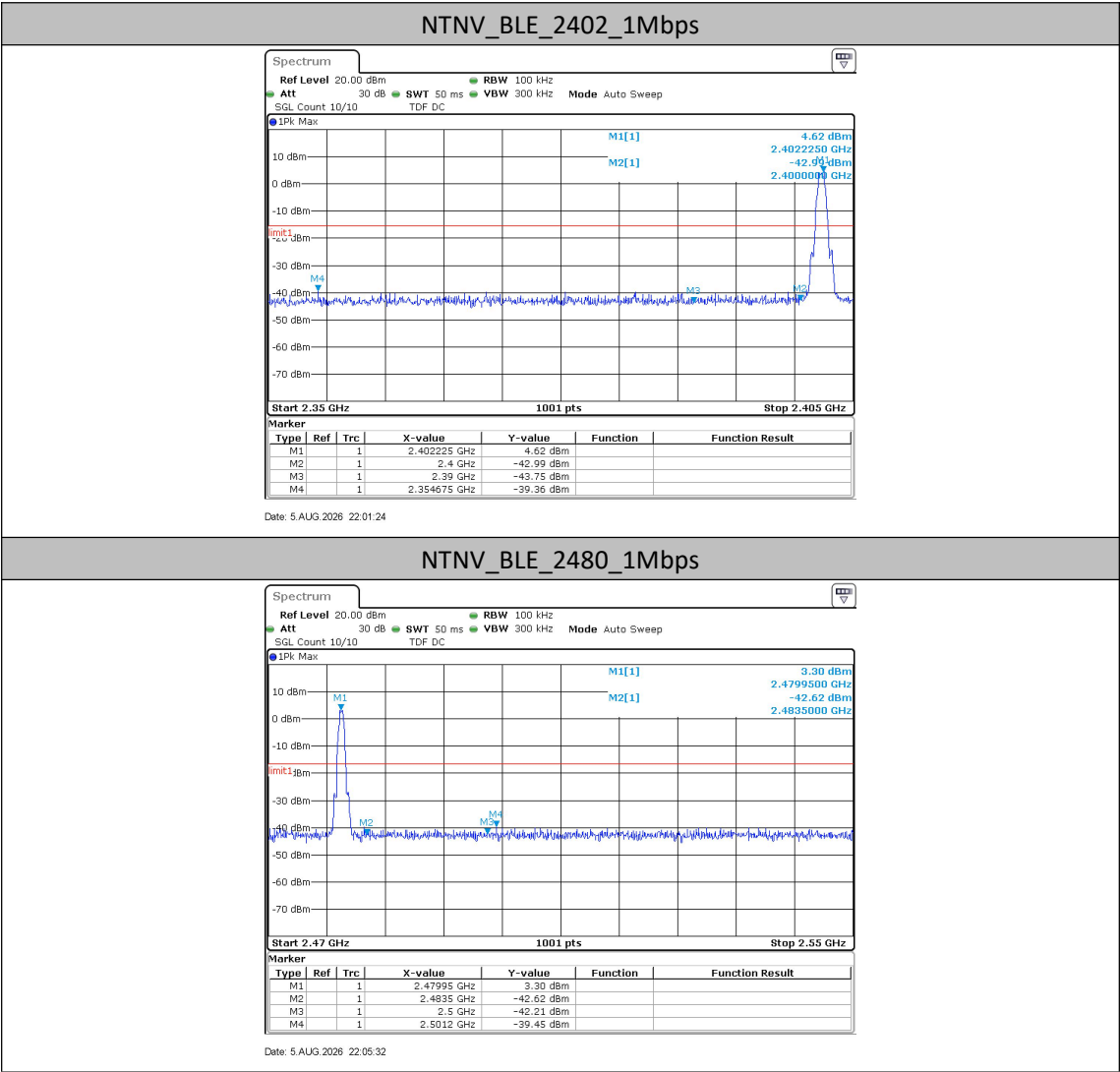


Appendix E: Band edge measurements

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	4.62	-39.36	≤ -15.38	Pass
2	NTNV	BLE	2480	1Mbps	ANT1	3.3	-39.45	≤ -16.7	Pass

Test Graphs

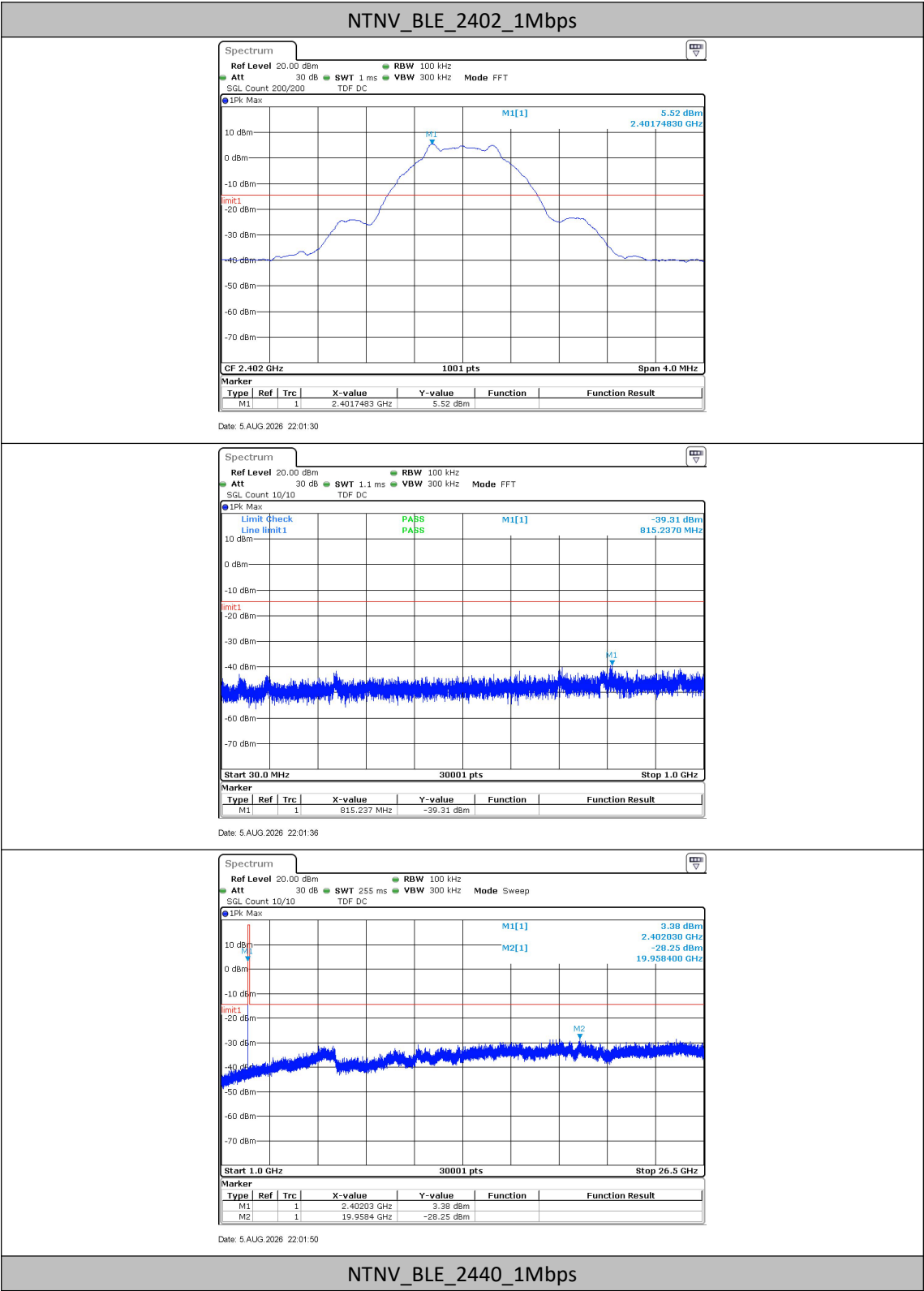


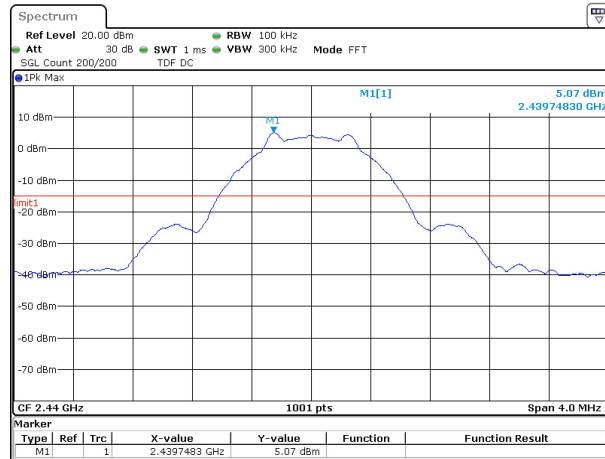
Appendix F: Conducted Spurious Emission

Test Result

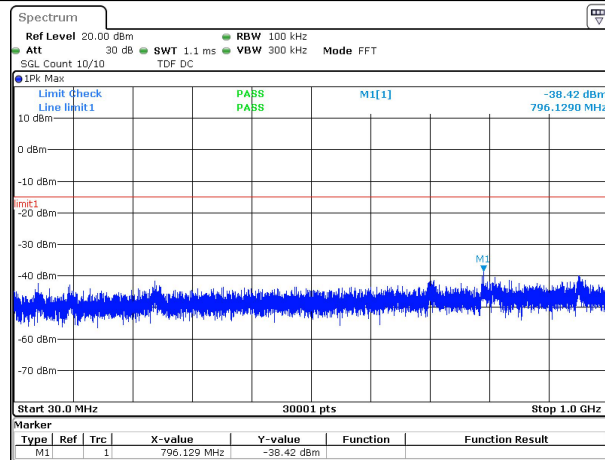
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	Reference	0.1	5.52	/	/
						30~1000	0.1	-39.31	≤-14.48	Pass
						1000~26500	0.1	-28.25	≤-14.48	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	Reference	0.1	5.07	/	/
						30~1000	0.1	-38.42	≤-14.93	Pass
						1000~26500	0.1	-28.05	≤-14.93	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	Reference	0.1	4.46	/	/
						30~1000	0.1	-39.48	≤-15.54	Pass
						1000~26500	0.1	-28.45	≤-15.54	Pass

Test Graphs

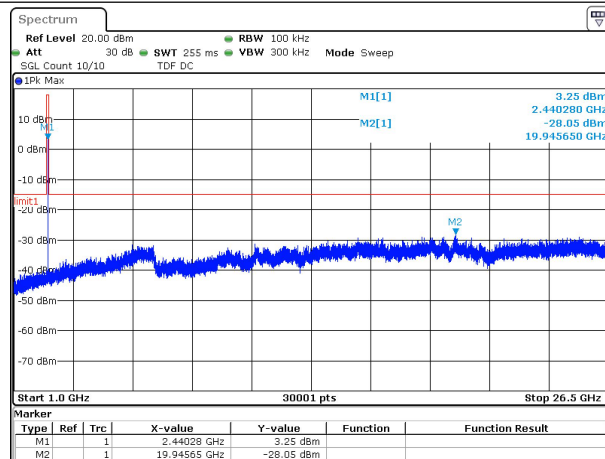




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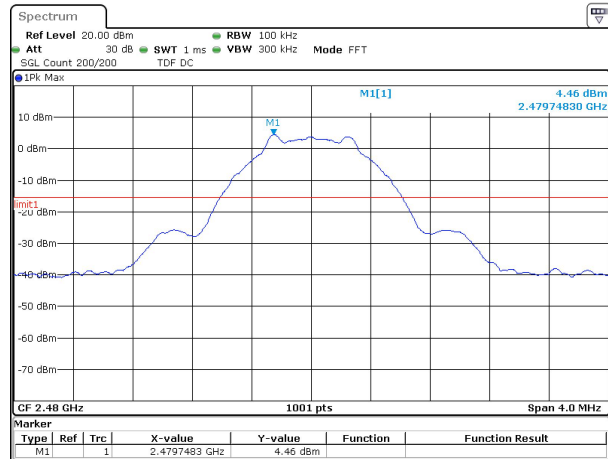


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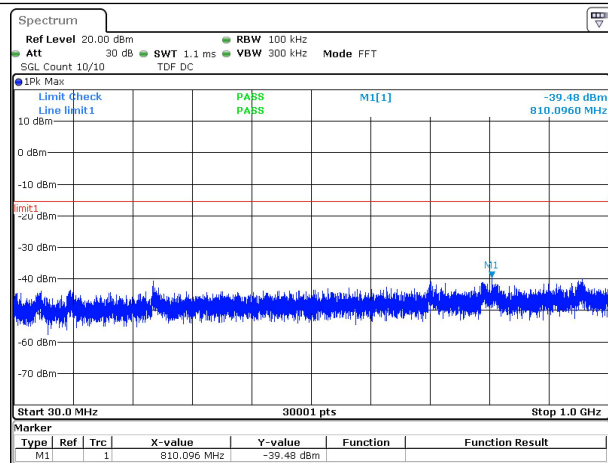


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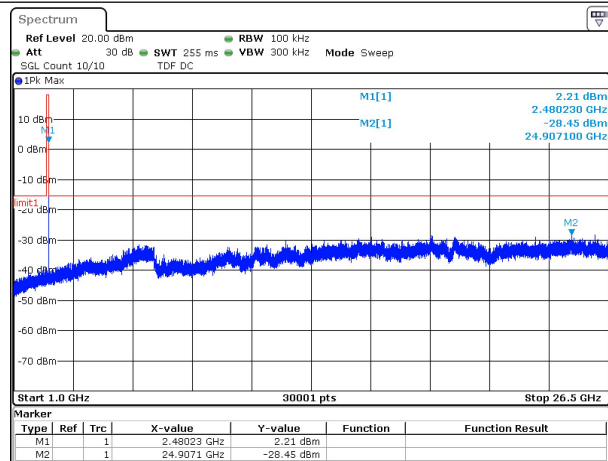
NTNV_BLE_2480_1Mbps



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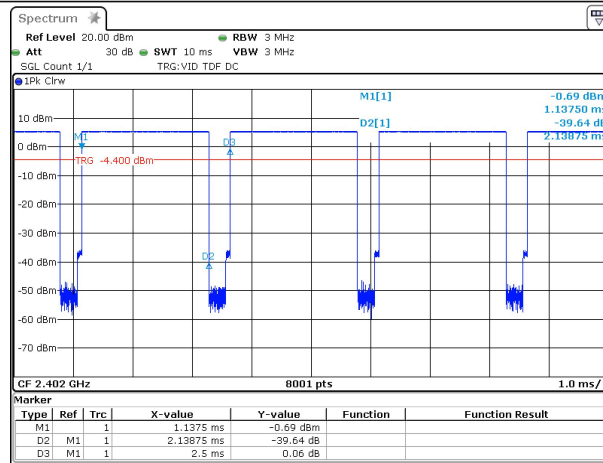
Appendix G: Duty Cycle

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	2.14	2.50	0.86	85.55
2	NTNV	BLE	2440	1Mbps	ANT1	2.14	2.50	0.86	85.60
3	NTNV	BLE	2480	1Mbps	ANT1	2.14	2.50	0.86	85.60

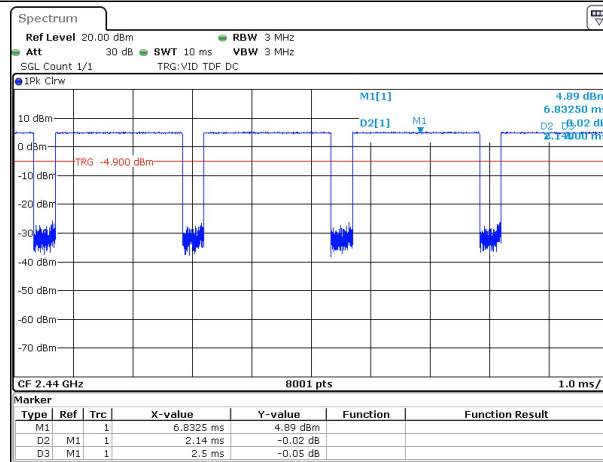
Test Graphs

NTNV_BLE_2402_1Mbps



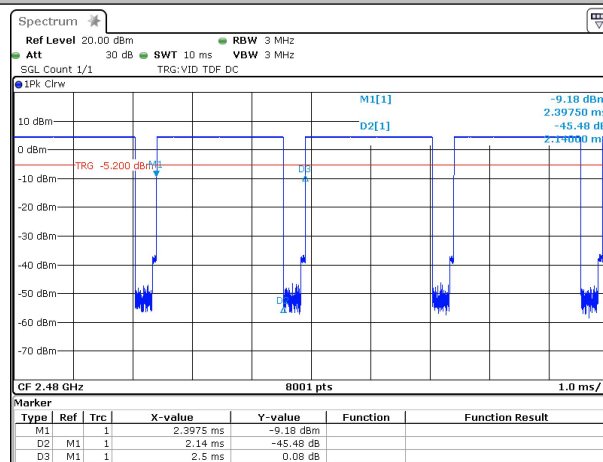
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NTNV_BLE_2440_1Mbps



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NTNV_BLE_2480_1Mbps



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