



CQASZ20260701640E-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

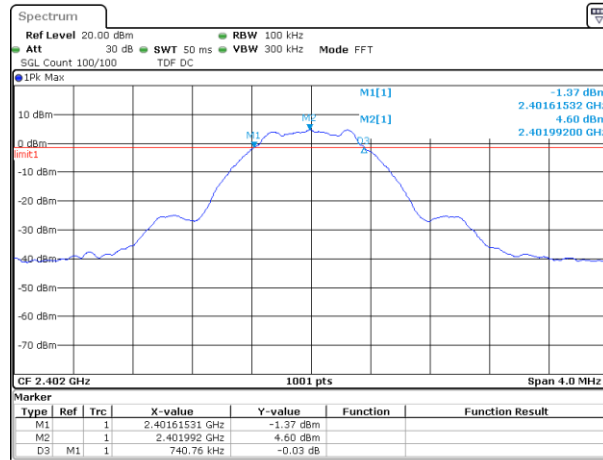
Appendix A: DTS Bandwidth

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	2401.62	2402.36	≥ 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	2480.36	≥ 0.5	Pass

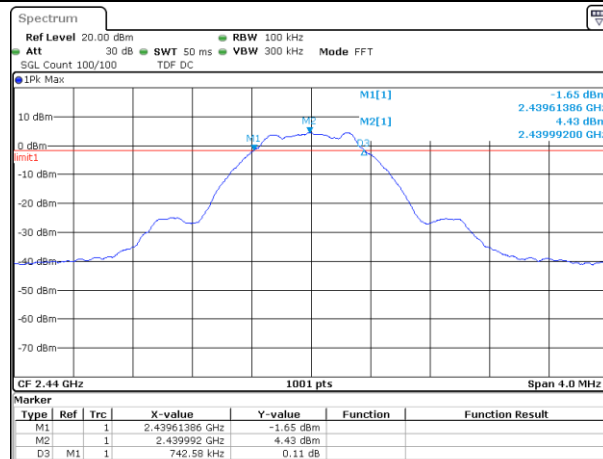
Test Graphs

NTNV_BLE_2402_1Mbps



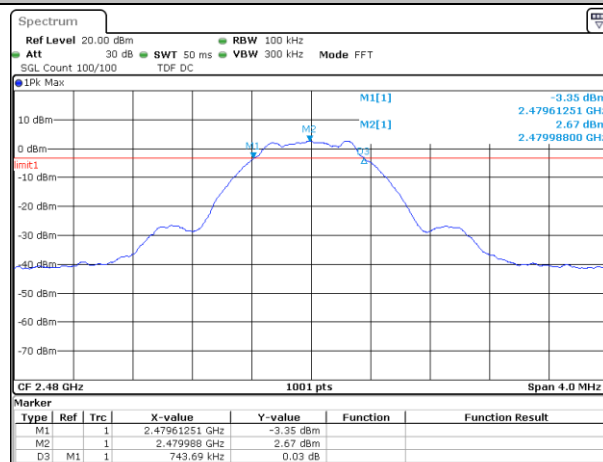
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NTNV_BLE_2440_1Mbps



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NTNV_BLE_2480_1Mbps



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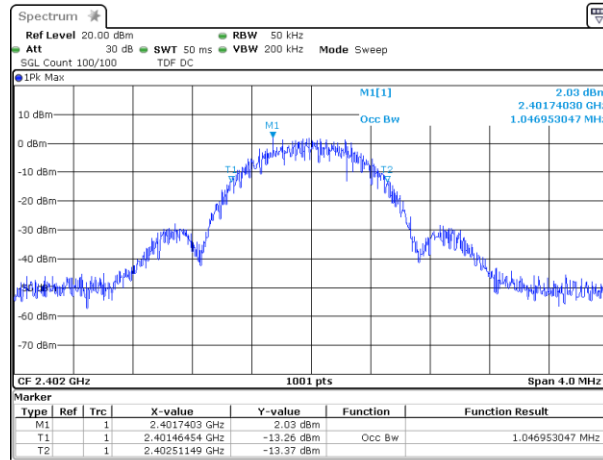
Appendix B: Occupied Channel Bandwidth

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	1.05	-	2401.46	2402.51	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	1.05	-	2439.46	2440.51	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	1.04	-	2479.47	2480.51	Pass

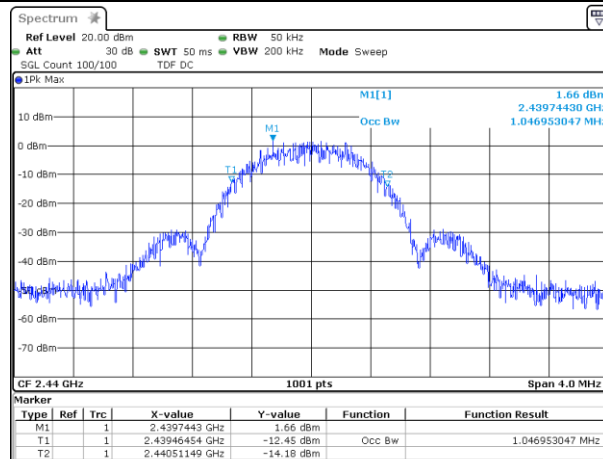
Test Graphs

NTNV_BLE_2402_1Mbps



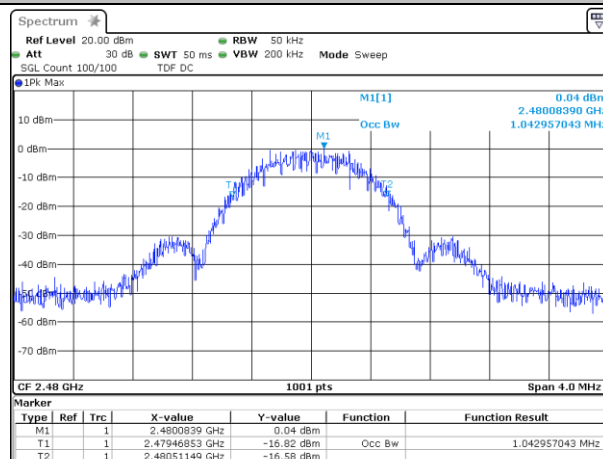
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NTNV_BLE_2440_1Mbps



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NTNV_BLE_2480_1Mbps



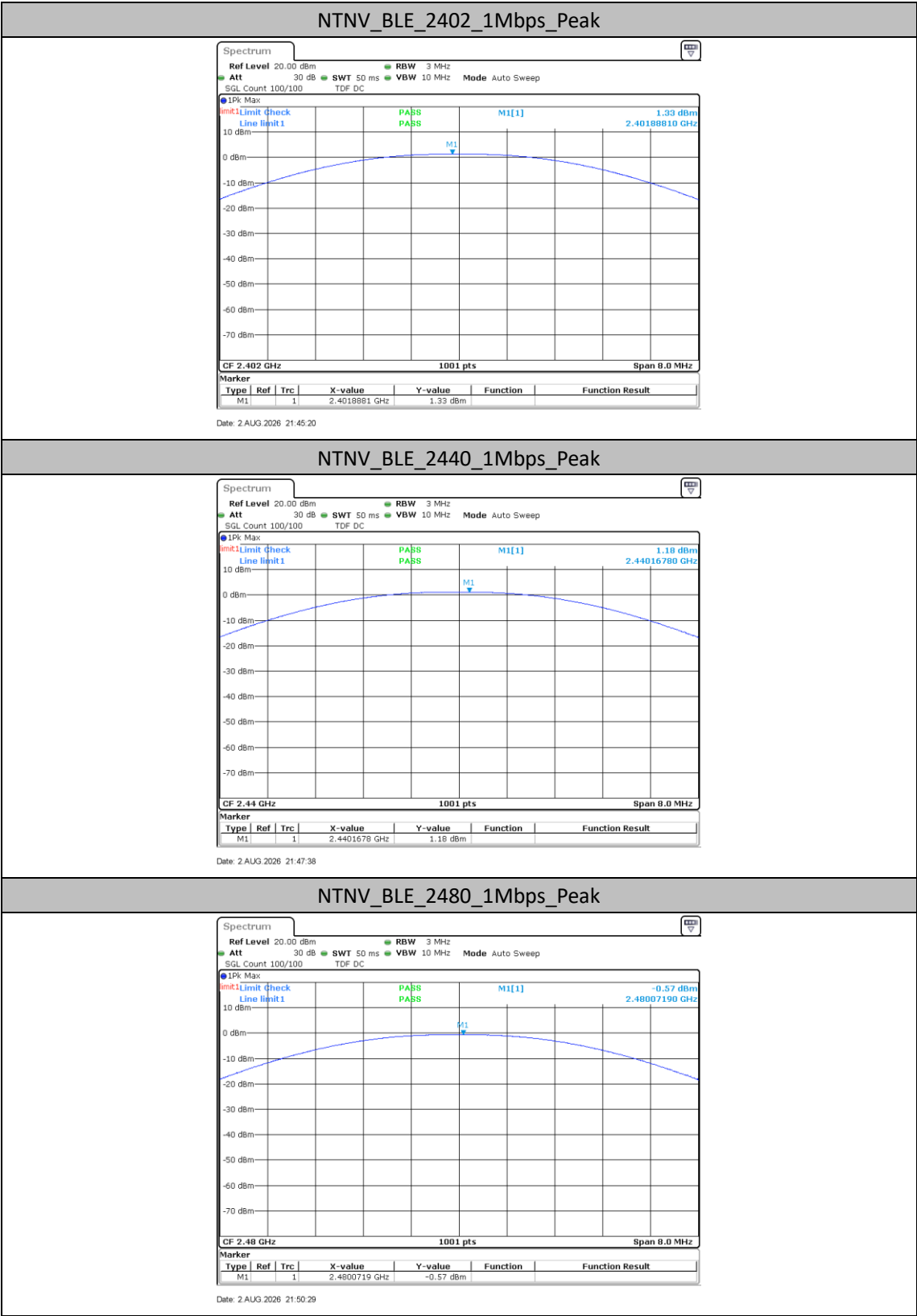
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Appendix C: Maximum conducted output power

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
1	NTNV	BLE	2402	Peak	ANT1	1.33	≤30	4.50	5.83	≤36	Pass
2	NTNV	BLE	2440	Peak	ANT1	1.18	≤30	4.50	5.68	≤36	Pass
3	NTNV	BLE	2480	Peak	ANT1	-0.57	≤30	4.50	3.93	≤36	Pass

Test Graphs

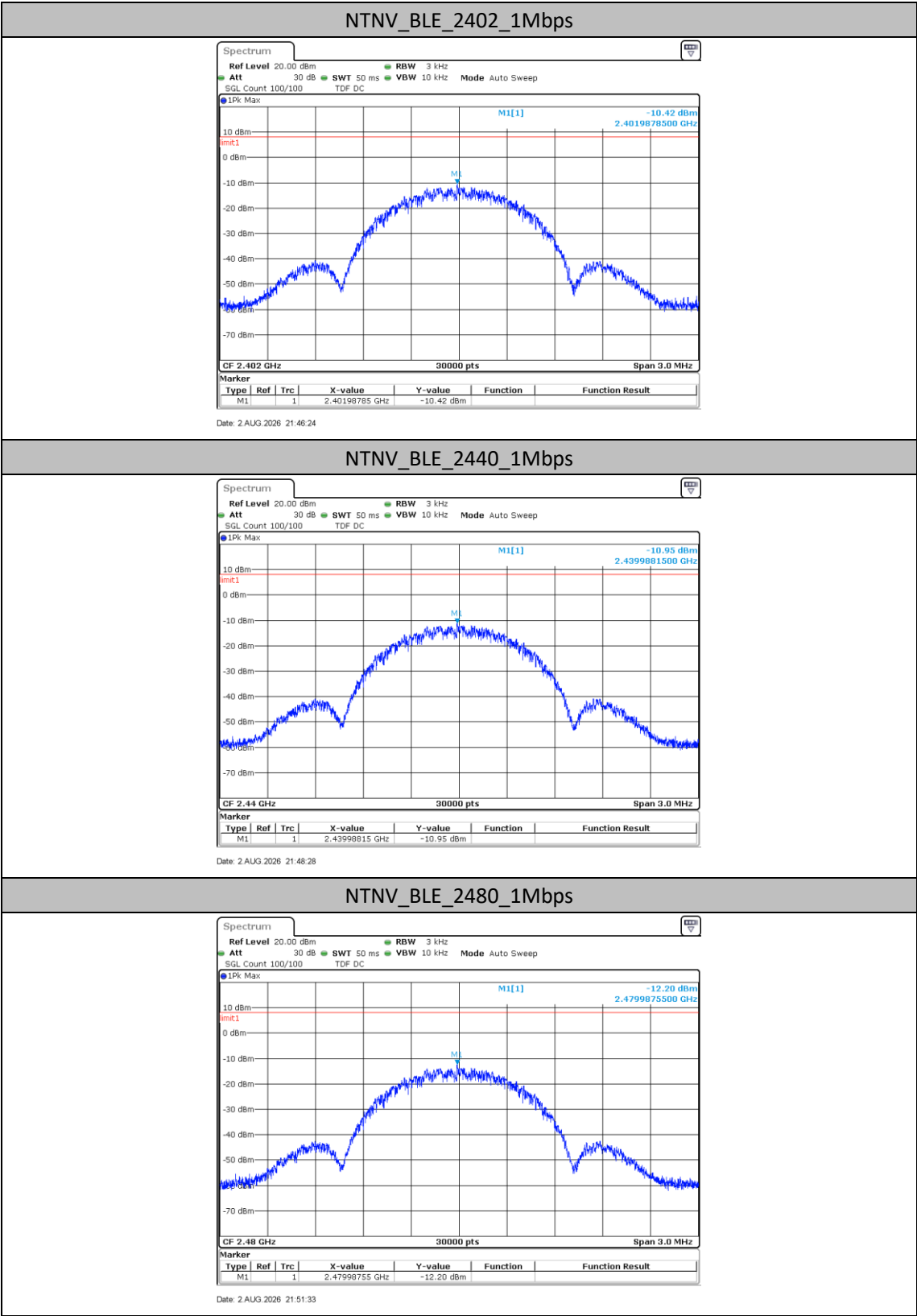


Appendix D: Maximum power spectral density

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	-10.42	≤ 8	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	-10.95	≤ 8	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	-12.20	≤ 8	Pass

Test Graphs

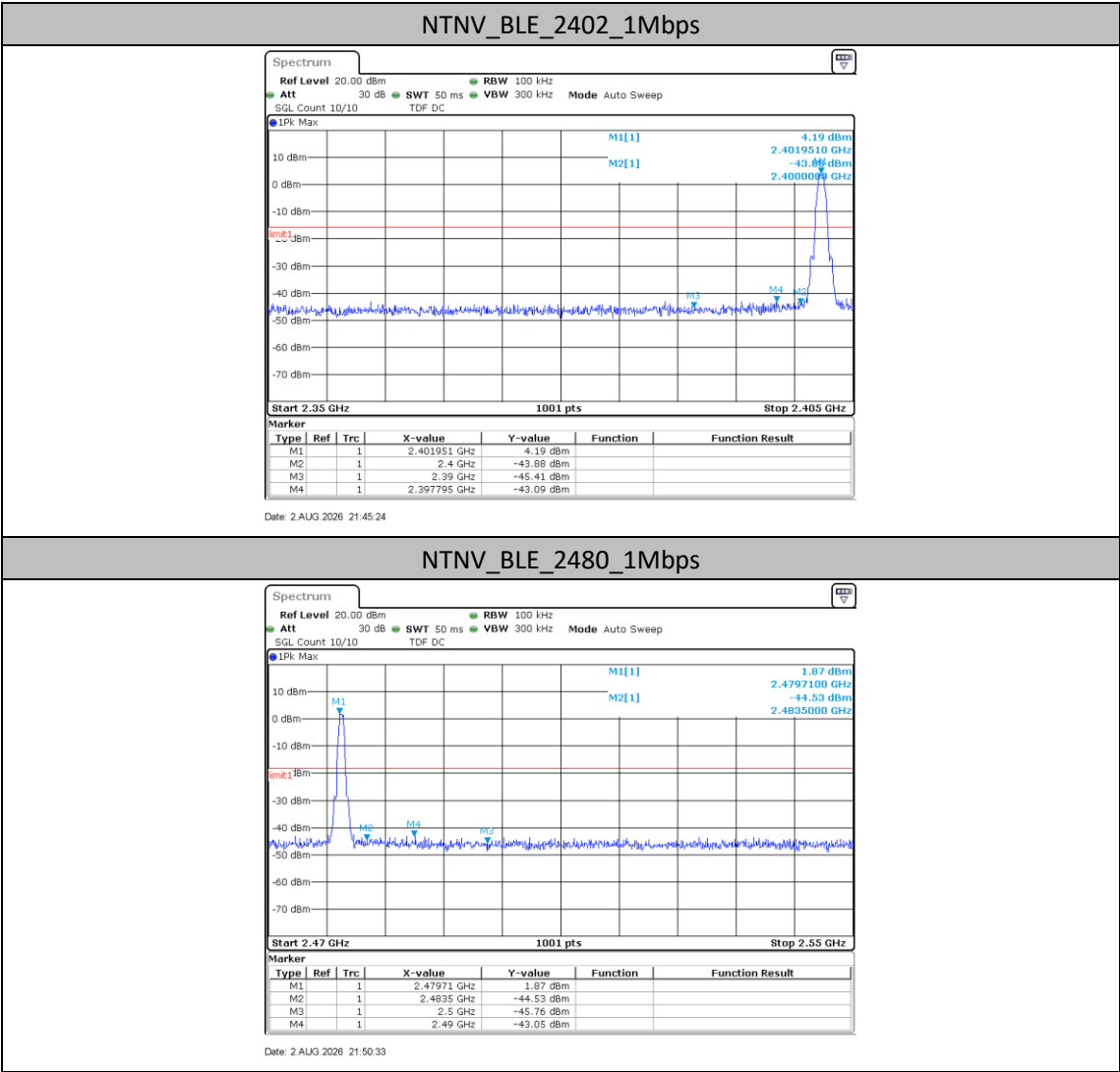


Appendix E: Band edge measurements

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	4.19	-43.09	≤ -15.81	Pass
2	NTNV	BLE	2480	1Mbps	ANT1	1.87	-43.05	≤ -18.13	Pass

Test Graphs

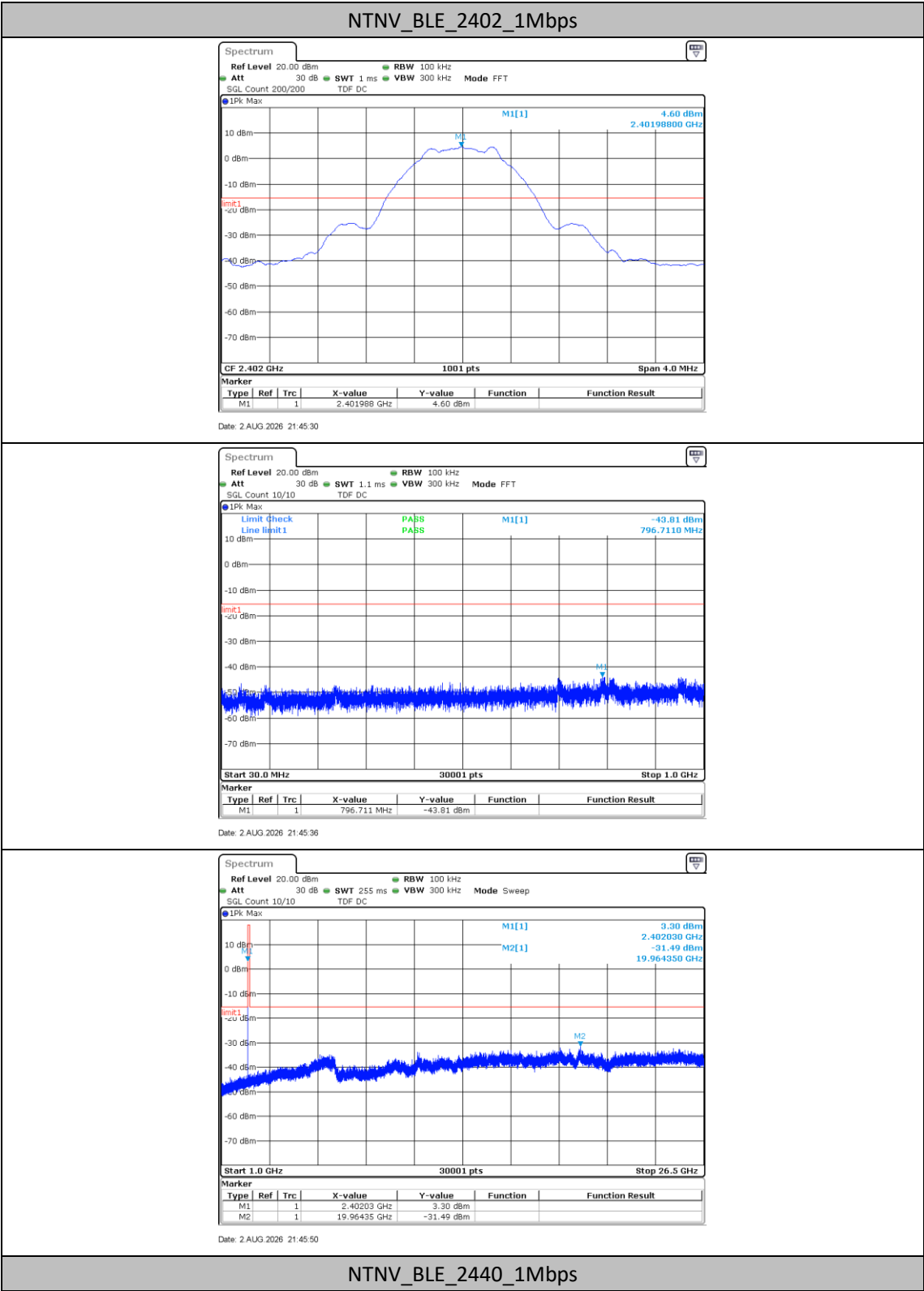


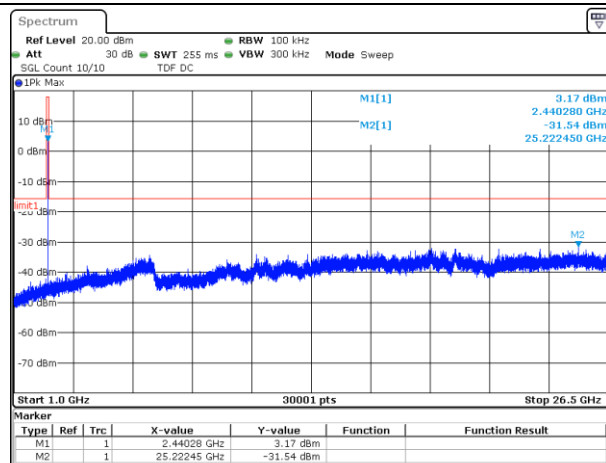
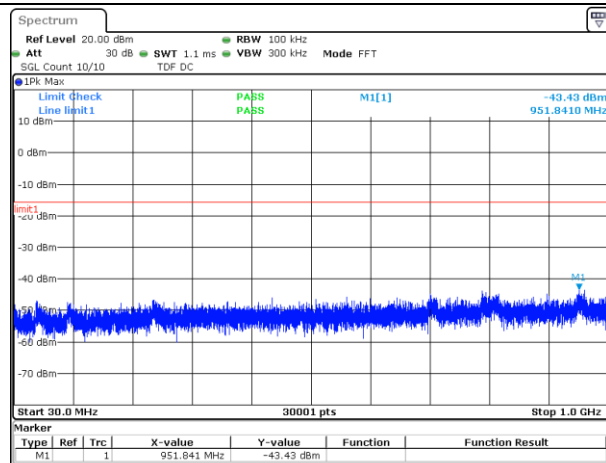
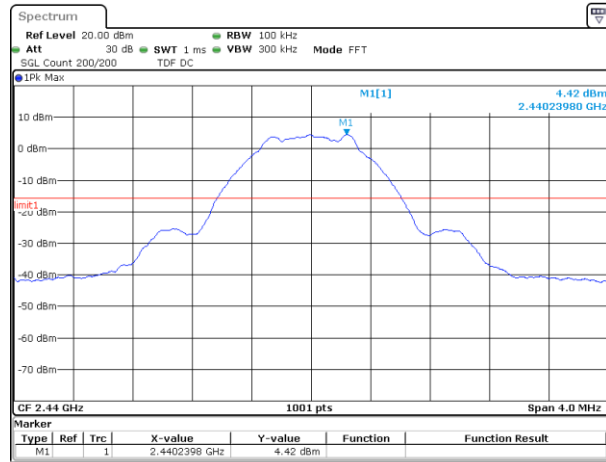
Appendix F: Conducted Spurious Emission

Test Result

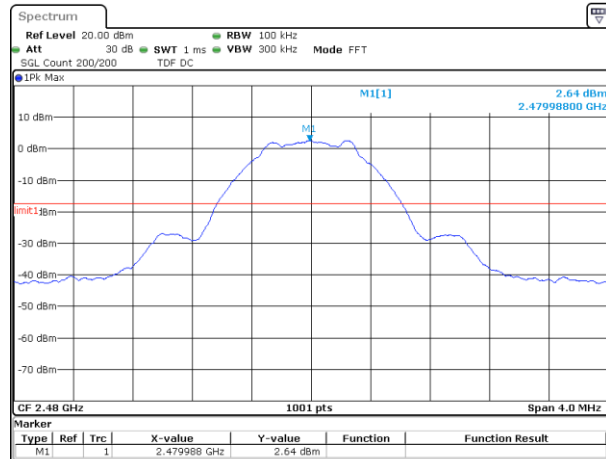
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	Reference	0.1	4.6	/	/
						30~1000	0.1	-43.81	≤-15.40	Pass
						1000~26500	0.1	-31.49	≤-15.40	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	Reference	0.1	4.42	/	/
						30~1000	0.1	-43.43	≤-15.58	Pass
						1000~26500	0.1	-31.54	≤-15.58	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	Reference	0.1	2.64	/	/
						30~1000	0.1	-41.56	≤-17.36	Pass
						1000~26500	0.1	-31.84	≤-17.36	Pass

Test Graphs

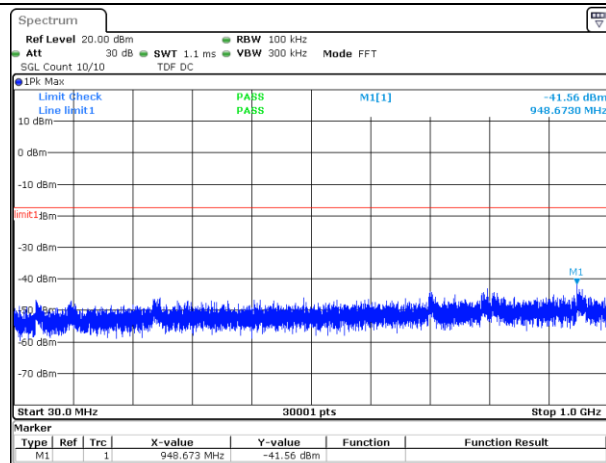




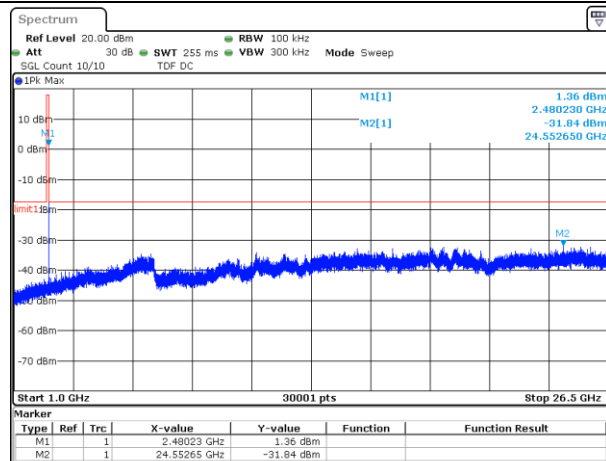
NTNV_BLE_2480_1Mbps



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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	1.00	100.00
2	NTNV	BLE	2440	1Mbps	ANT1	0.00	0.00	1.00	100.00
3	NTNV	BLE	2480	1Mbps	ANT1	0.00	0.00	1.00	100.00

Test Graphs

