



CQASZ20260801875E-01

Summary

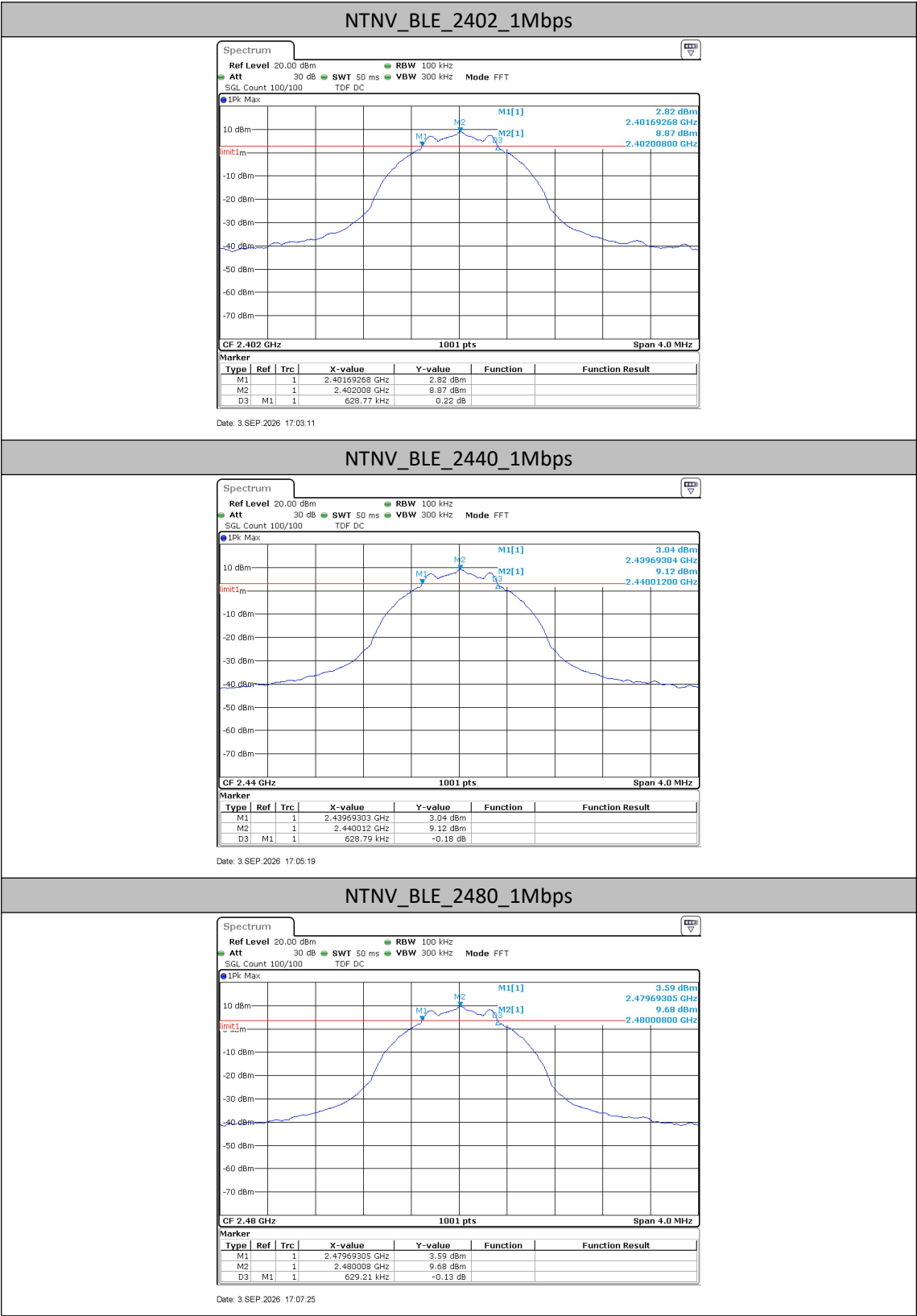
NO.	Item	Verdict
1	DTS Bandwidth	Pass
2	Occupied Channel Bandwidth	Pass
3	Maximum conducted output power	Pass
4	Maximum power spectral density	Pass
5	Band edge measurements	Pass
6	Conducted Spurious Emission	Pass
7	Duty Cycle	Pass

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	0.63	2401.69	2402.32	≥ 0.5	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	0.63	2439.69	2440.32	≥ 0.5	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	0.63	2479.69	2480.32	≥ 0.5	Pass

Test Graphs

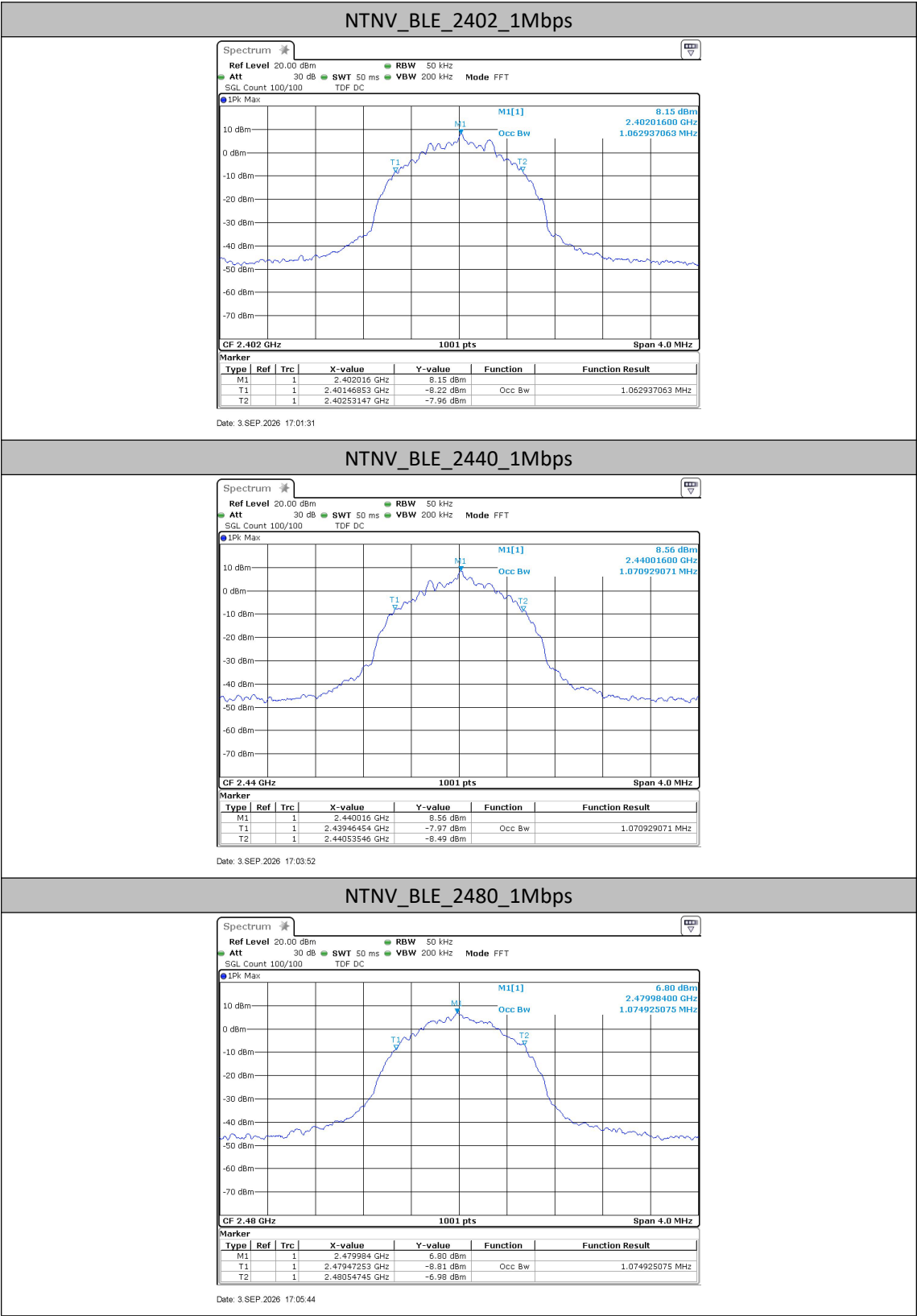


Appendix B: Occupied Channel Bandwidth

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	1.06	-	2401.47	2402.53	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	1.07	-	2439.46	2440.54	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	1.07	-	2479.47	2480.55	Pass

Test Graphs

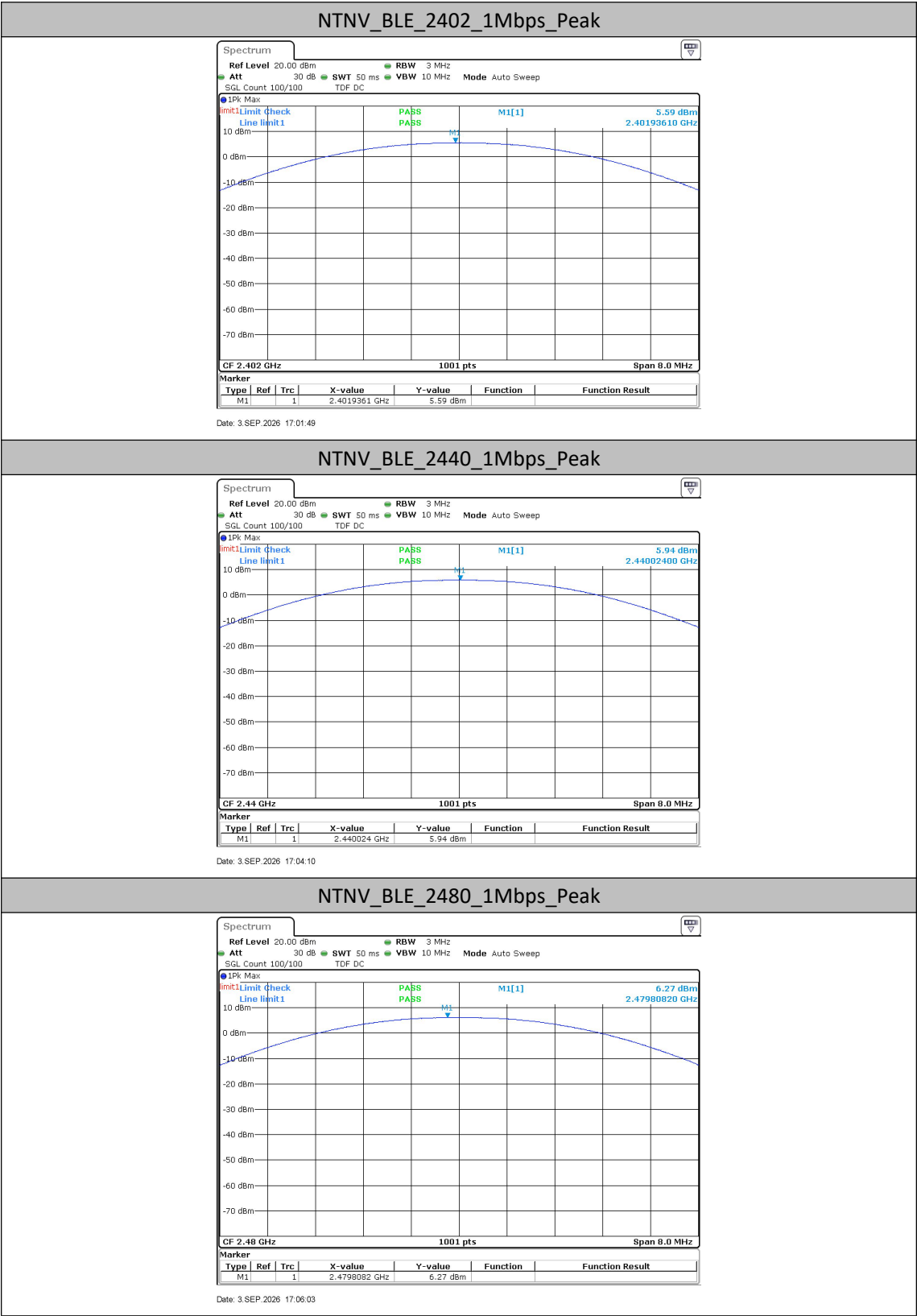


Appendix C: Maximum conducted output power

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	5.59	≤30	Pass
2	NTNV	BLE	2440	Peak	ANT1	5.94	≤30	Pass
3	NTNV	BLE	2480	Peak	ANT1	6.27	≤30	Pass

Test Graphs

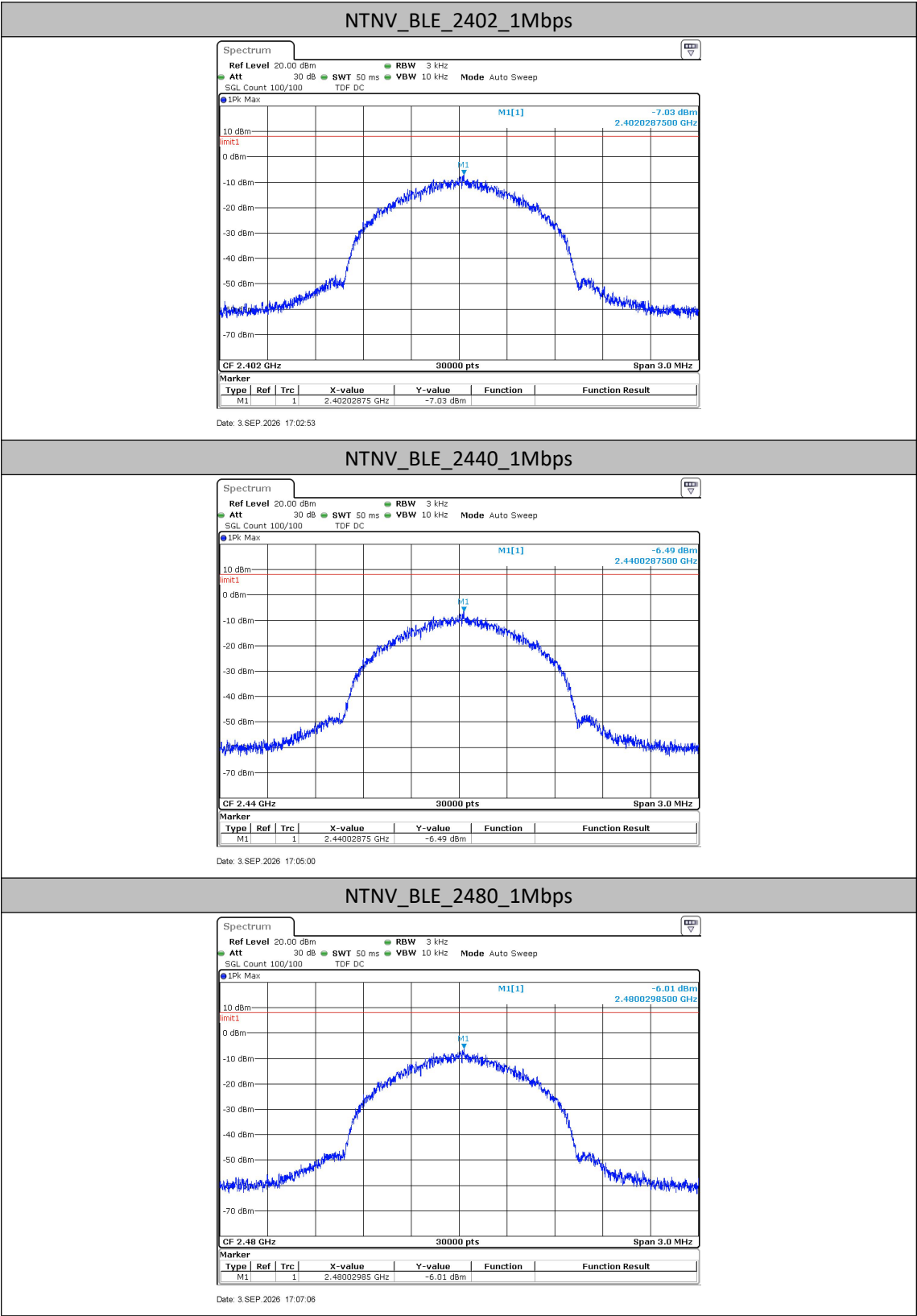


Appendix D: Maximum power spectral density

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	-7.03	≤ 8	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	-6.49	≤ 8	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	-6.01	≤ 8	Pass

Test Graphs

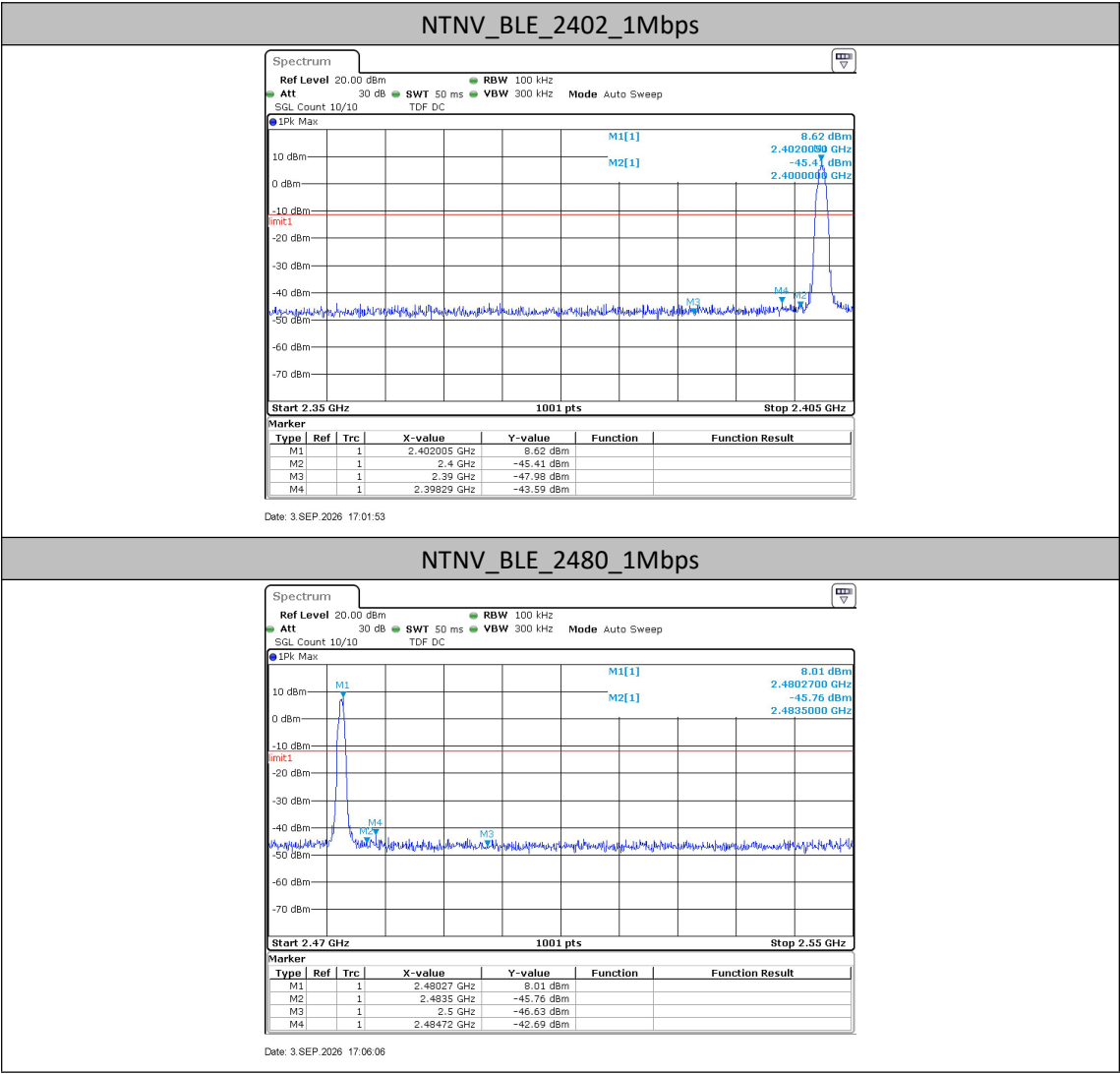


Appendix E: Band edge measurements

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	8.62	-43.59	≤ -11.38	Pass
2	NTNV	BLE	2480	1Mbps	ANT1	8.01	-42.69	≤ -11.99	Pass

Test Graphs

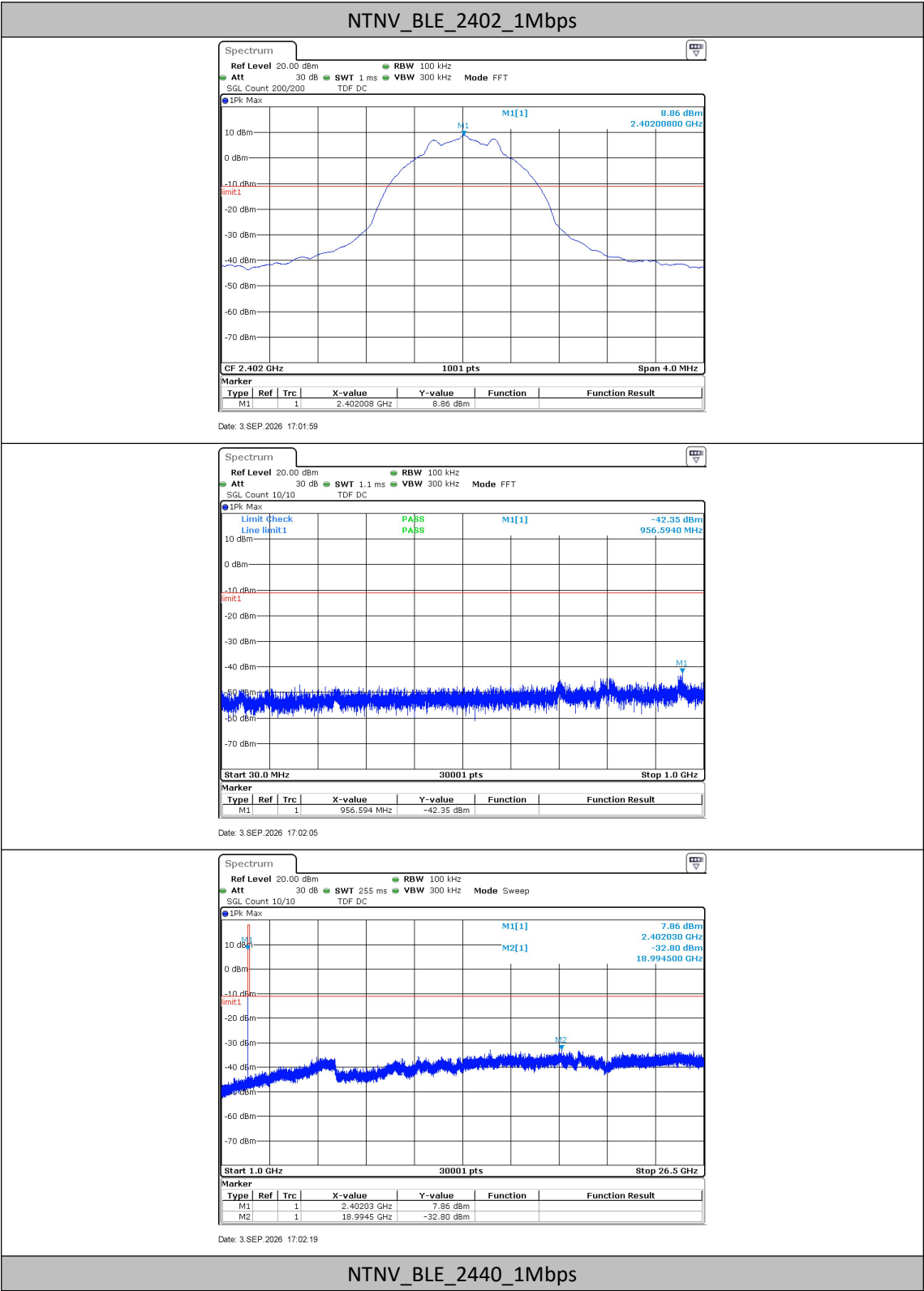


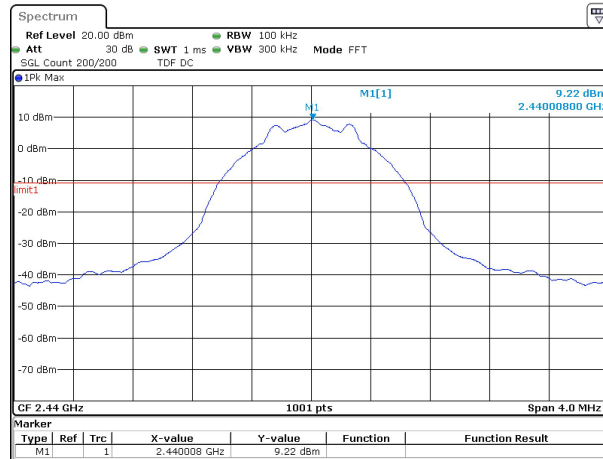
Appendix F: Conducted Spurious Emission

Test Result

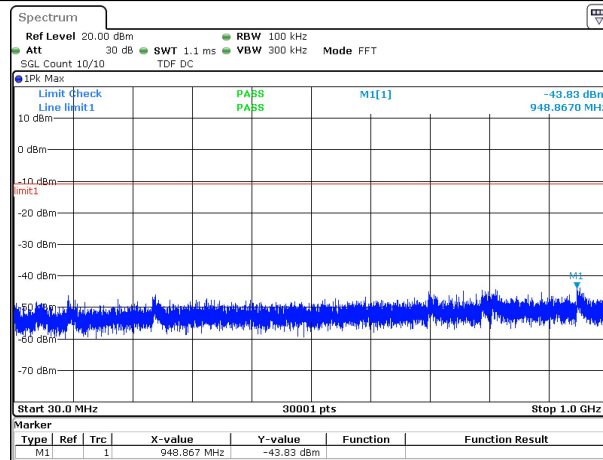
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	Reference	0.1	8.86	/	/
						30~1000	0.1	-42.35	≤-11.14	Pass
						1000~26500	0.1	-32.80	≤-11.14	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	Reference	0.1	9.22	/	/
						30~1000	0.1	-43.83	≤-10.78	Pass
						1000~26500	0.1	-32.67	≤-10.78	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	Reference	0.1	9.48	/	/
						30~1000	0.1	-44.12	≤-10.52	Pass
						1000~26500	0.1	-33.03	≤-10.52	Pass

Test Graphs

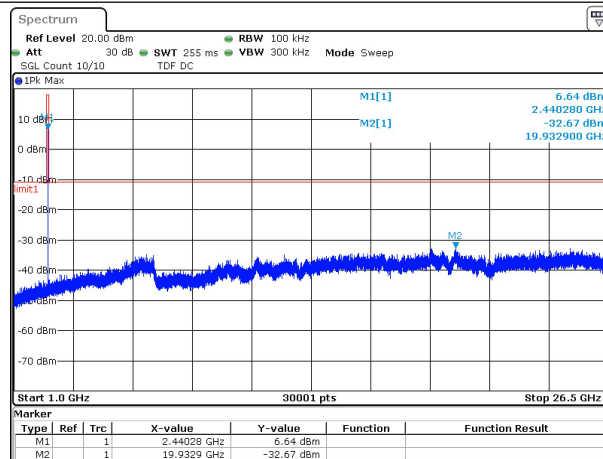




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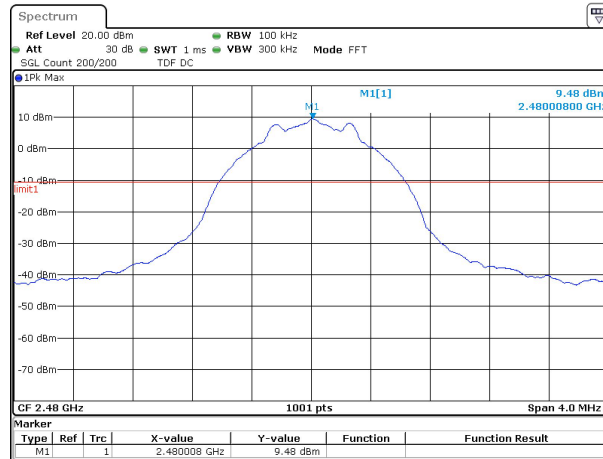


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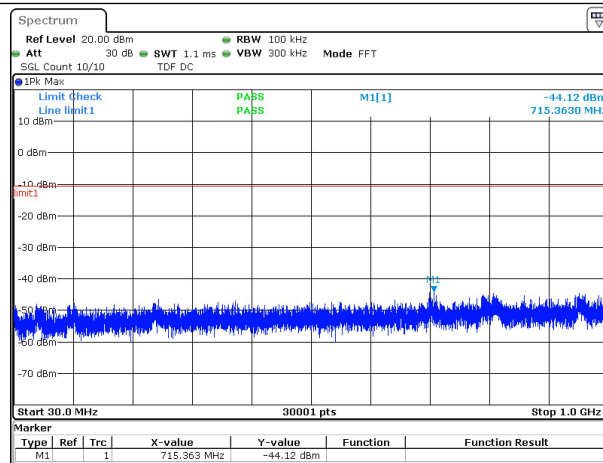


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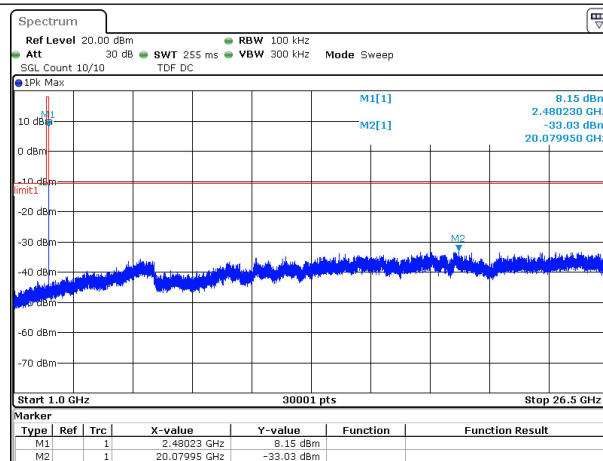
NTNV_BLE_2480_1Mbps



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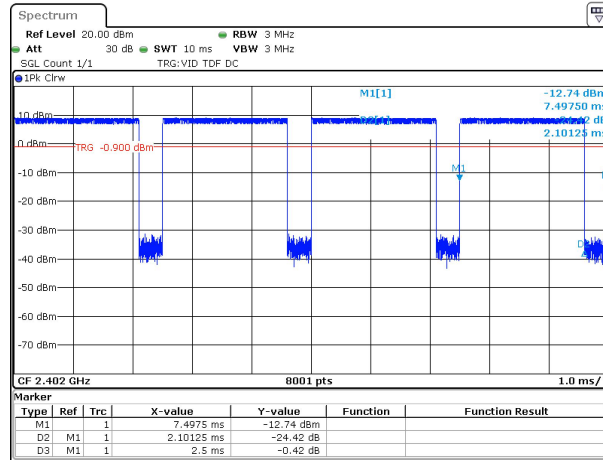
Appendix G: Duty Cycle

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	2.10	2.50	0.84	84.05
2	NTNV	BLE	2440	1Mbps	ANT1	2.10	2.50	0.84	84.05
3	NTNV	BLE	2480	1Mbps	ANT1	2.10	2.50	0.84	84.05

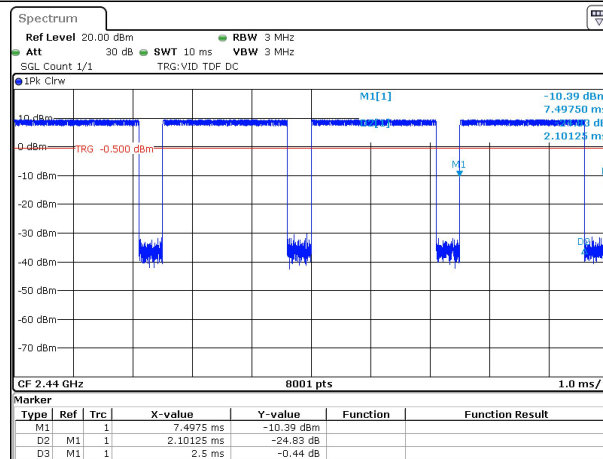
Test Graphs

NTNV_BLE_2402_1Mbps



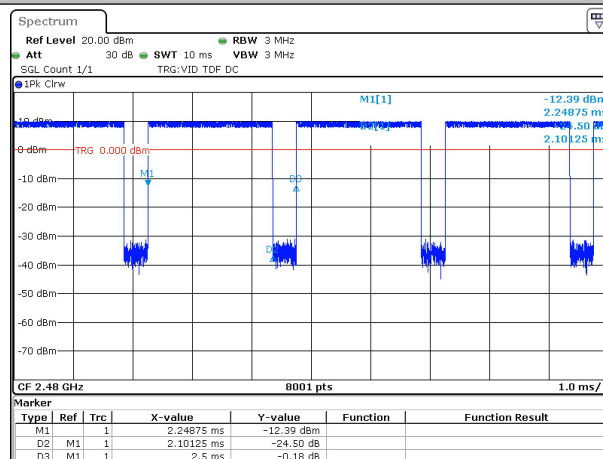
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NTNV_BLE_2440_1Mbps



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NTNV_BLE_2480_1Mbps



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