CQASZ20260801770E-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

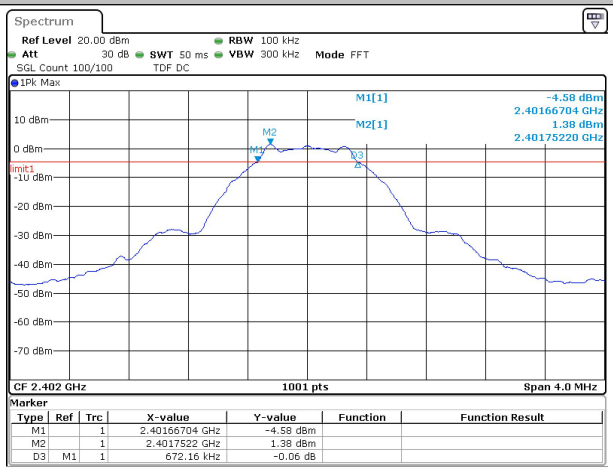
Appendix A: DTS Bandwidth

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	2401.67	2402.34	≥0.5	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	0.67	2439.67	2440.34	≥0.5	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	0.67	2479.67	2480.34	≥0.5	Pass

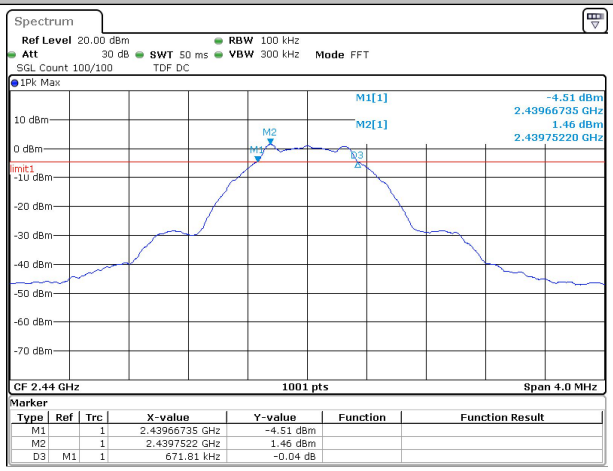
Test Graphs

NTNV_BLE_2402_1Mbps



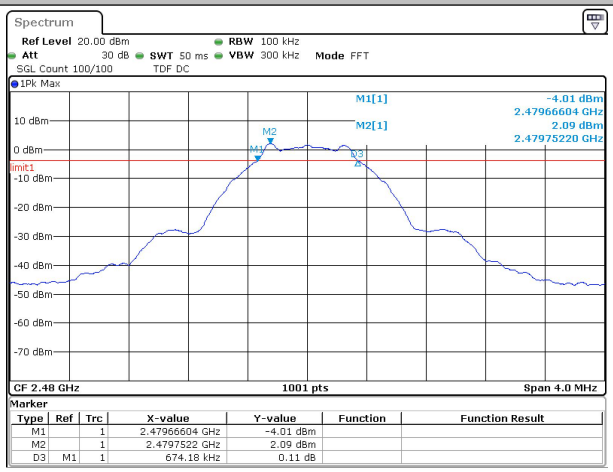
Date: 17.AUG.2026 17:01:00

NTNV_BLE_2440_1Mbps



Date: 17.AUG.2026 17:02:48

NTNV_BLE_2480_1Mbps



Date: 17.AUG.2026 17:04:48

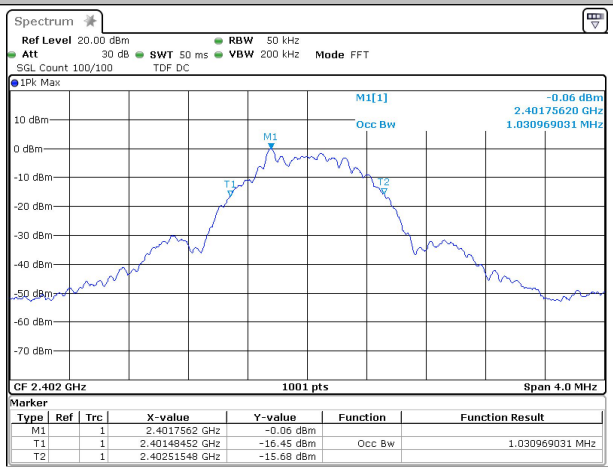
Appendix B: Occupied Channel Bandwidth

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	1.03	-	2401.48	2402.52	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	1.04	-	2439.48	2440.52	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	1.04	-	2479.48	2480.52	Pass

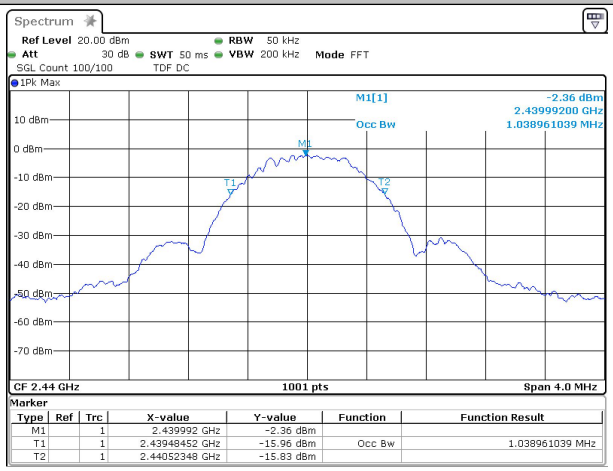
Test Graphs

NTNV_BLE_2402_1Mbps



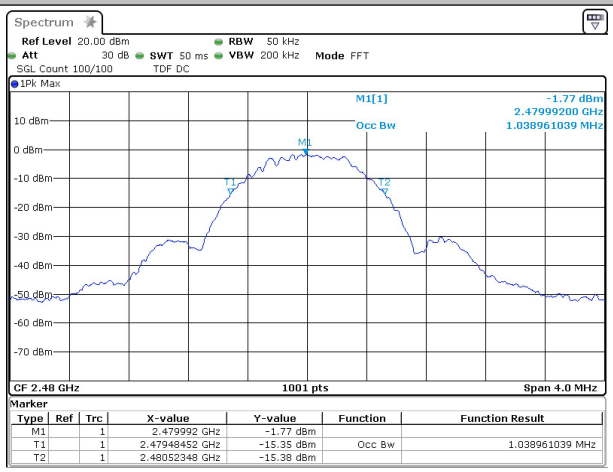
Date: 17.AUG.2026 16:59:20

NTNV_BLE_2440_1Mbps



Date: 17.AUG.2026 17:01:21

NTNV_BLE_2480_1Mbps



Date: 17.AUG.2026 17:03:08

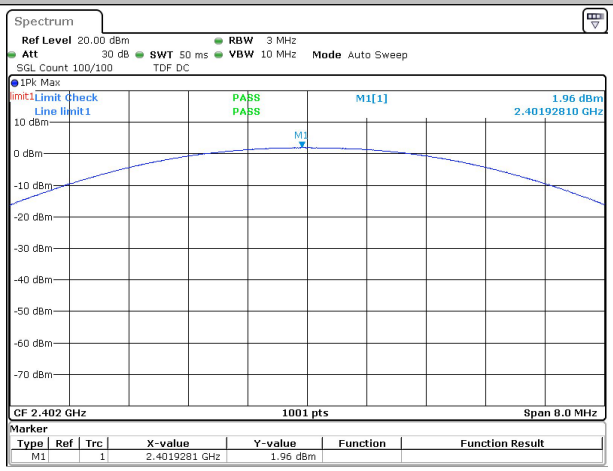
Appendix C: Maximum conducted output power

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	1.96	≤30	Pass
2	NTNV	BLE	2440	Peak	ANT1	2.05	≤30	Pass
3	NTNV	BLE	2480	Peak	ANT1	2.63	≤30	Pass

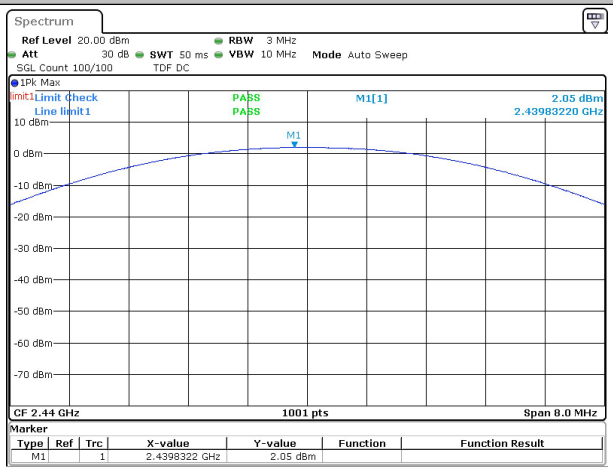
Test Graphs

NTNV_BLE_2402_1Mbps_Peak



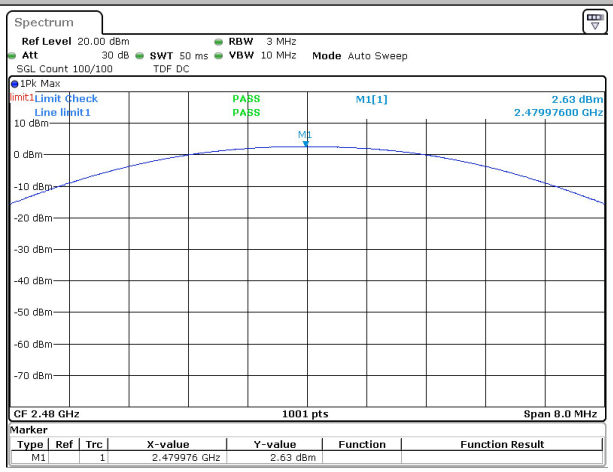
Date: 17.AUG.2026 16:59:38

NTNV_BLE_2440_1Mbps_Peak



Date: 17.AUG.2026 17:01:39

NTNV_BLE_2480_1Mbps_Peak



Date: 17.AUG.2026 17:03:26

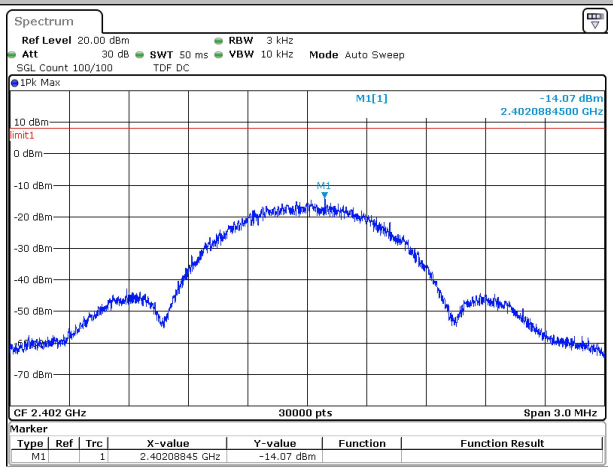
Appendix D: Maximum power spectral density

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	-14.07	≤8	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	-14.00	≤8	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	-13.40	≤8	Pass

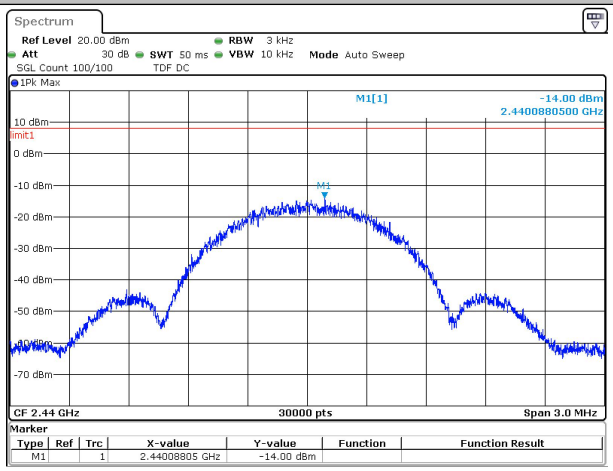
Test Graphs

NTNV_BLE_2402_1Mbps



Date: 17.AUG.2026 17:00:41

NTNV_BLE_2440_1Mbps



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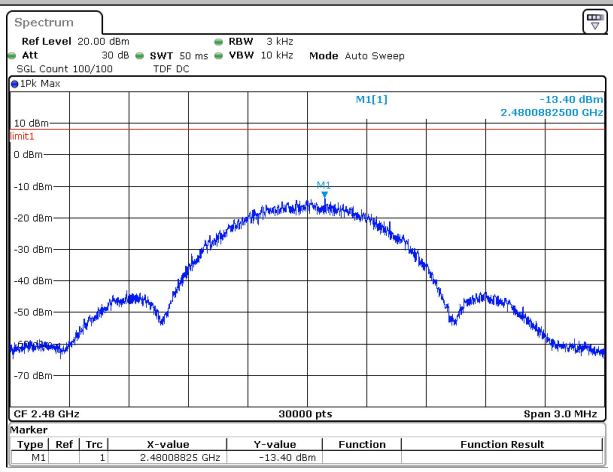
NTNV_BLE_2480_1Mbps



Date: 17.AUG.2026 17:04:30

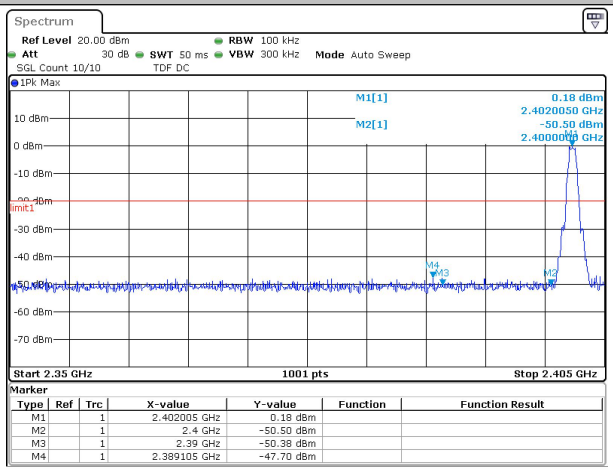
Appendix E: Band edge measurements

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	0.18	-47.70	≤-19.82	Pass
2	NTNV	BLE	2480	1Mbps	ANT1	0.81	-46.77	≤-19.19	Pass

Test Graphs

NTNV_BLE_2402_1Mbps



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.402005 GHz	0.18 dBm		
M2		1	2.4 GHz	-50.50 dBm		
M3		1	2.39 GHz	-50.38 dBm		
M4		1	2.389105 GHz	-47.70 dBm		

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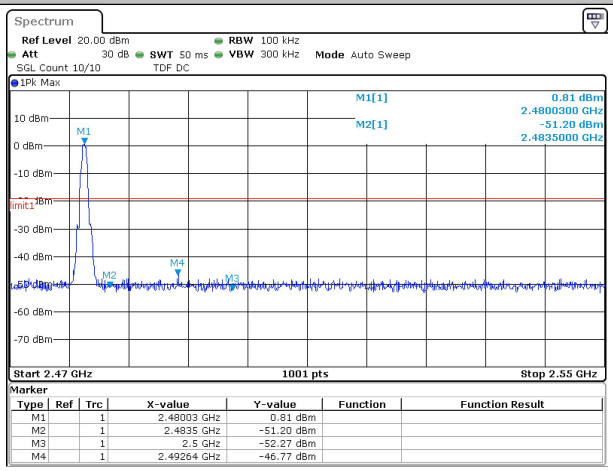
NTNV_BLE_2480_1Mbps



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.48003 GHz	0.81 dBm		
M2		1	2.4835 GHz	-51.20 dBm		
M3		1	2.5 GHz	-52.27 dBm		
M4		1	2.49264 GHz	-46.77 dBm		

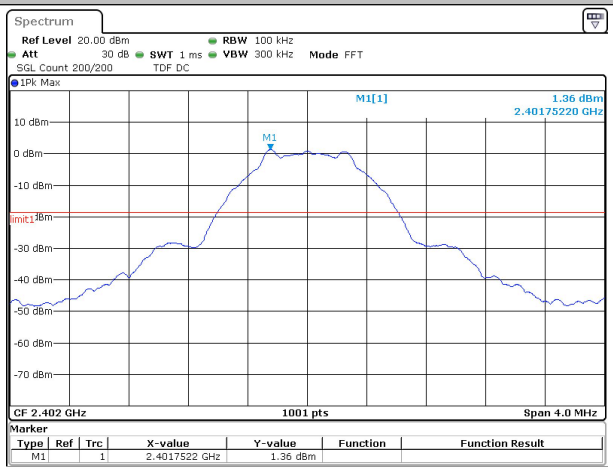
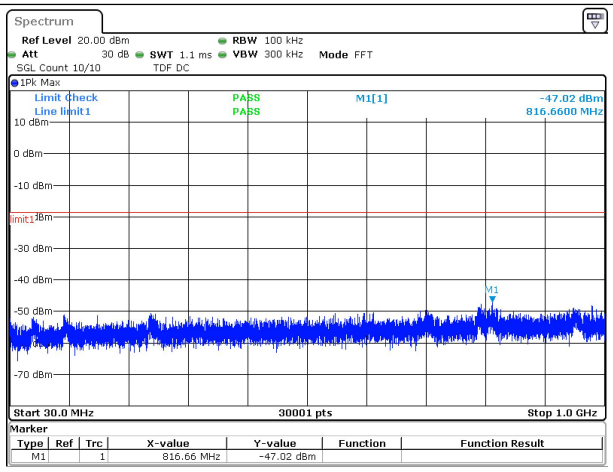
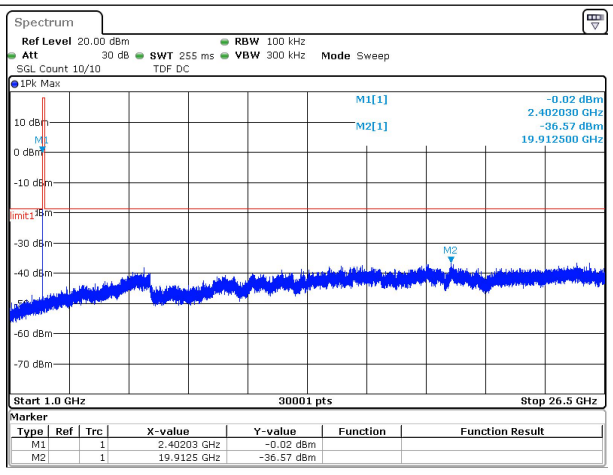
Date: 17.AUG.2026 17:03:30

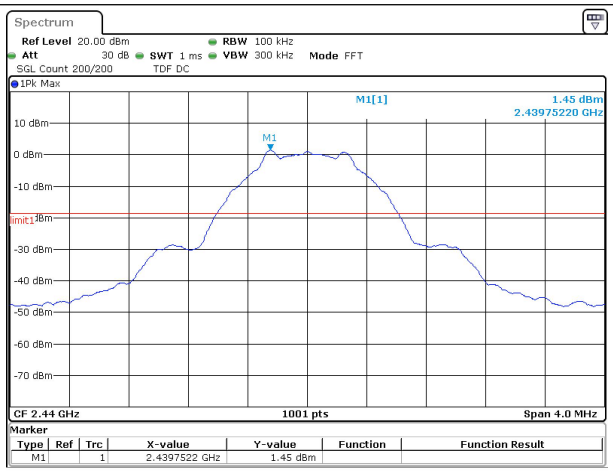
Appendix F: Conducted Spurious Emission

Test Result

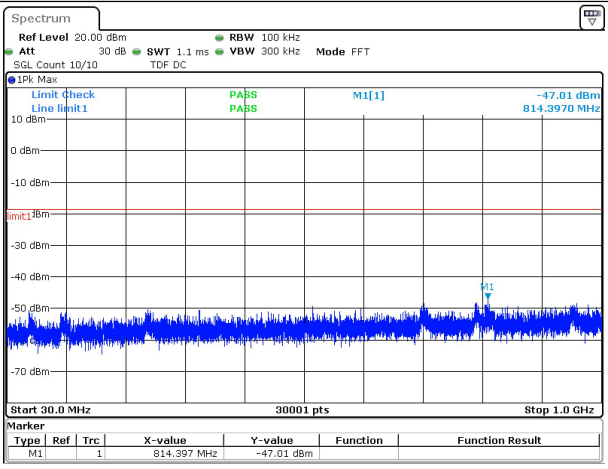
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	BLE	2402	1Mbps	ANT1	Reference	0.1	1.36	/	/
						30～1000	0.1	-47.02	≤-18.64	Pass
						1000～26500	0.1	-36.57	≤-18.64	Pass
2	NTNV	BLE	2440	1Mbps	ANT1	Reference	0.1	1.45	/	/
						30～1000	0.1	-47.01	≤-18.55	Pass
						1000～26500	0.1	-35.97	≤-18.55	Pass
3	NTNV	BLE	2480	1Mbps	ANT1	Reference	0.1	2.06	/	/
						30～1000	0.1	-48.04	≤-17.94	Pass
						1000～26500	0.1	-36.12	≤-17.94	Pass

Test Graphs

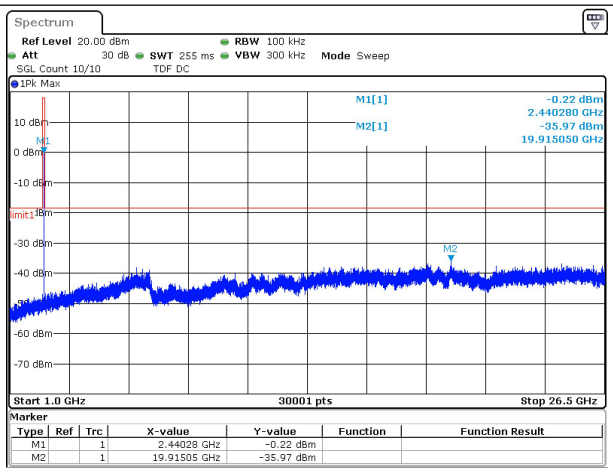
NTNV_BLE_2402_1Mbps



NTNV_BLE_2440_1Mbps



Date: 17.AUG.2026 17:01:45

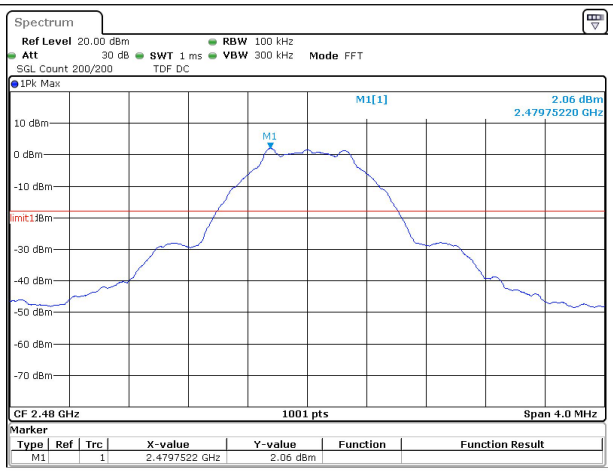


Date: 17.AUG.2026 17:01:51

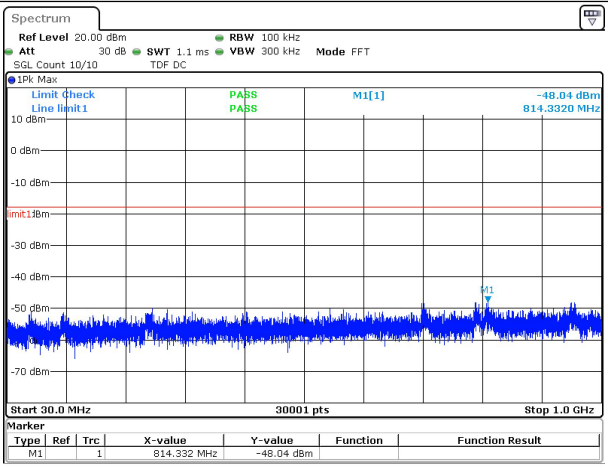


Date: 17.AUG.2026 17:02:05

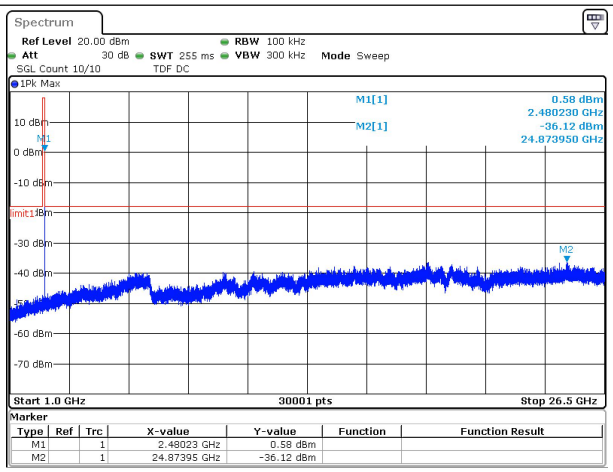
NTNV_BLE_2480_1Mbps



Date: 17.AUG.2026 17:03:35



Date: 17.AUG.2026 17:03:42



Date: 17.AUG.2026 17:03:56

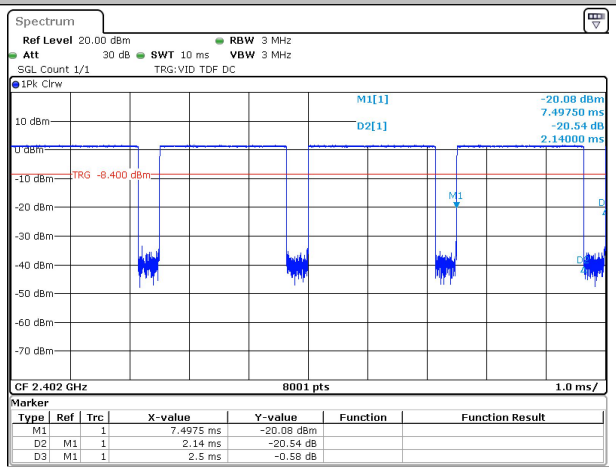
Appendix G: Duty Cycle

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	T_On (ms)	Period (ms)	Duty Cycyle Correction Factor (dB)	Max DC Variation (%)
1	NTNV	BLE	2402	1Mbps	ANT1	2.14	2.50	0.86	85.60
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

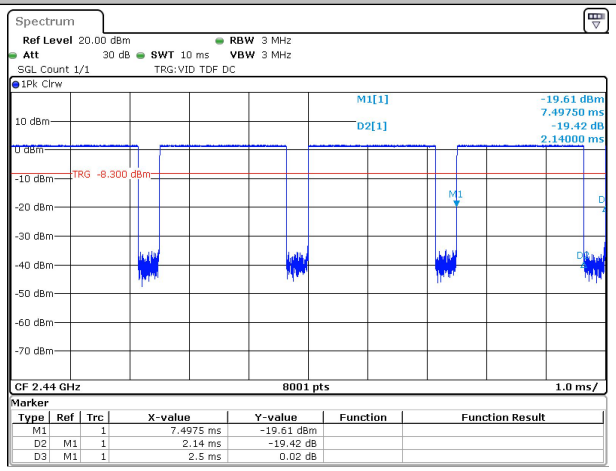


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	7.4975 ms	-20.08 dBm		
D2	M1	1	2.14 ms	-20.54 dB		
D3	M1	1	2.5 ms	-0.58 dB		

Date: 17.AUG.2026 16:59:30

NTNV_BLE_2440_1Mbps

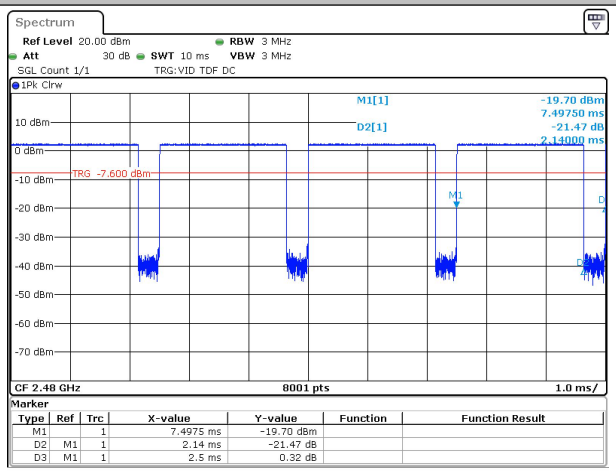


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	7.4975 ms	-19.61 dBm		
D2	M1	1	2.14 ms	-19.42 dB		
D3	M1	1	2.5 ms	0.02 dB		

Date: 17.AUG.2026 17:01:31

NTNV_BLE_2480_1Mbps



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	7.4975 ms	-19.70 dBm		
D2	M1	1	2.14 ms	-21.47 dB		
D3	M1	1	2.5 ms	0.32 dB		

Date: 17.AUG.2026 17:03:18