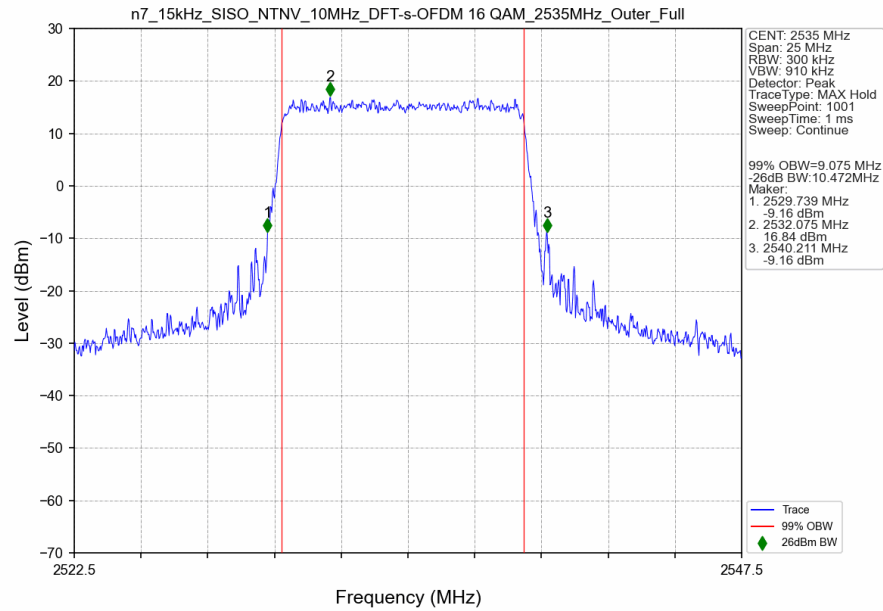
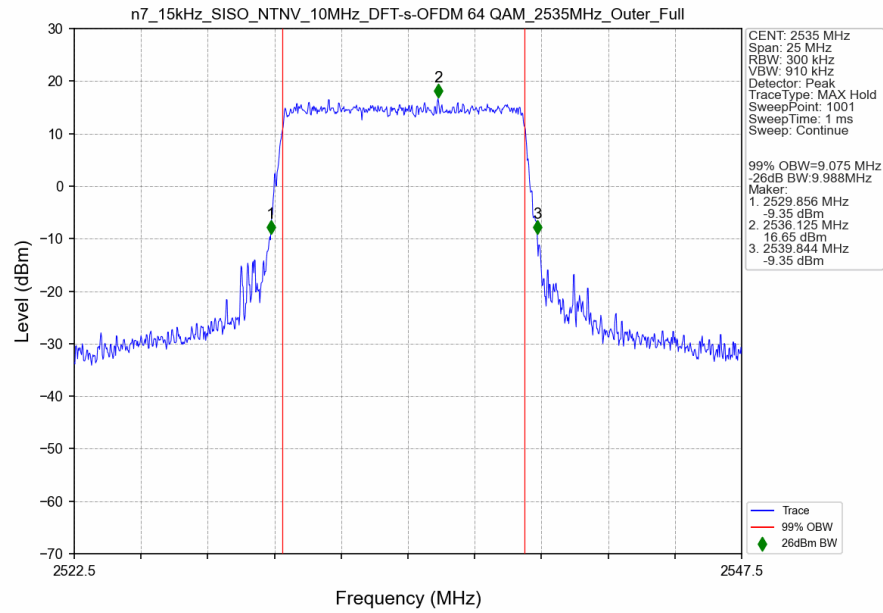


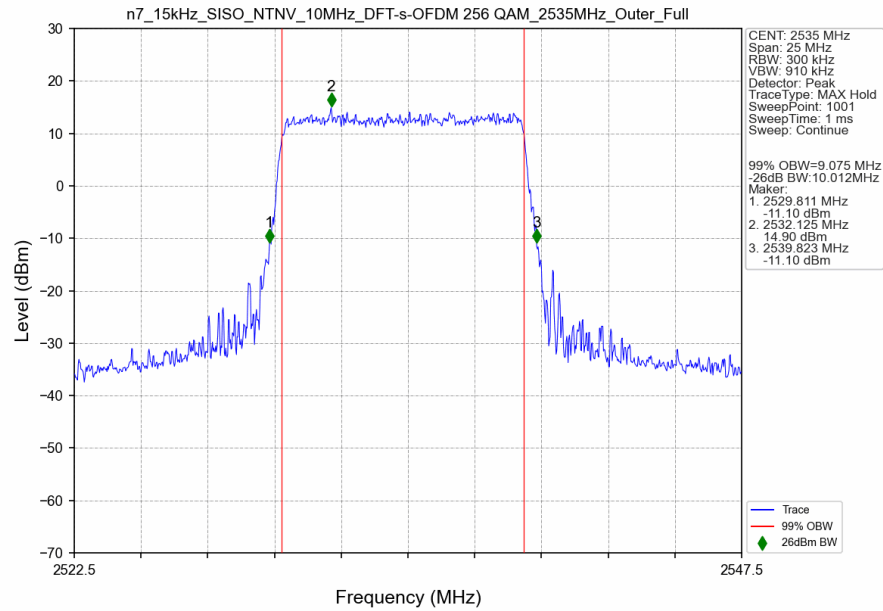
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM 2535MHz_Outer_Full_Ant1



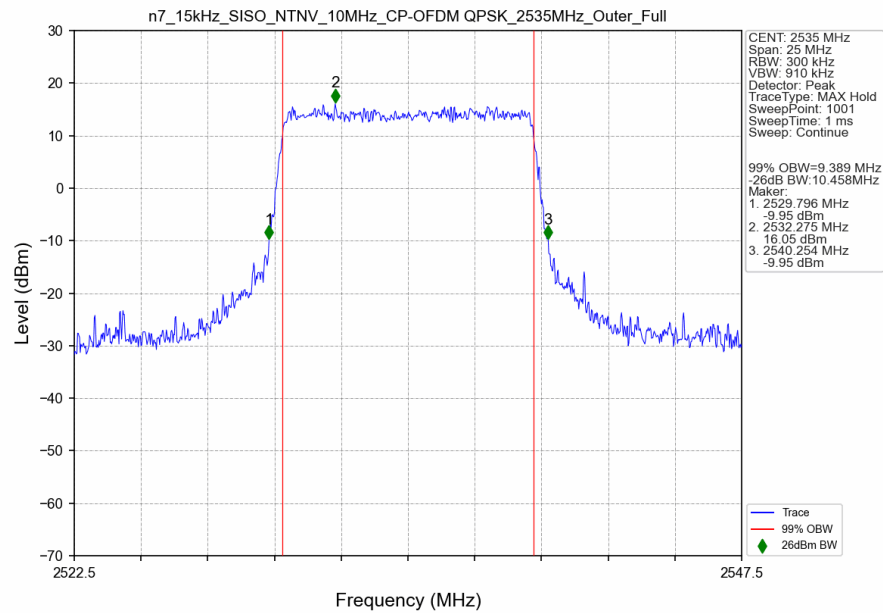
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM 2535MHz_Outer_Full_Ant1



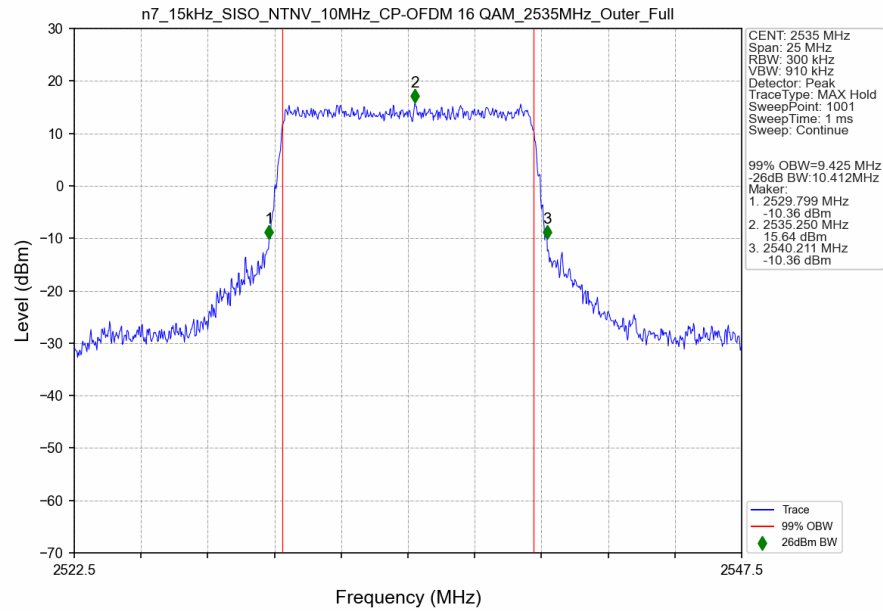
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full_Ant1



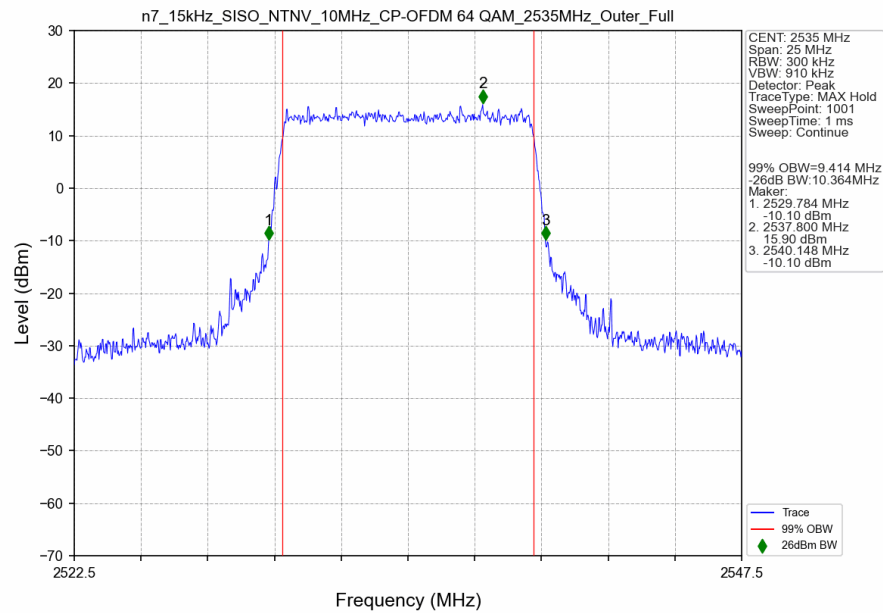
n7_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant1



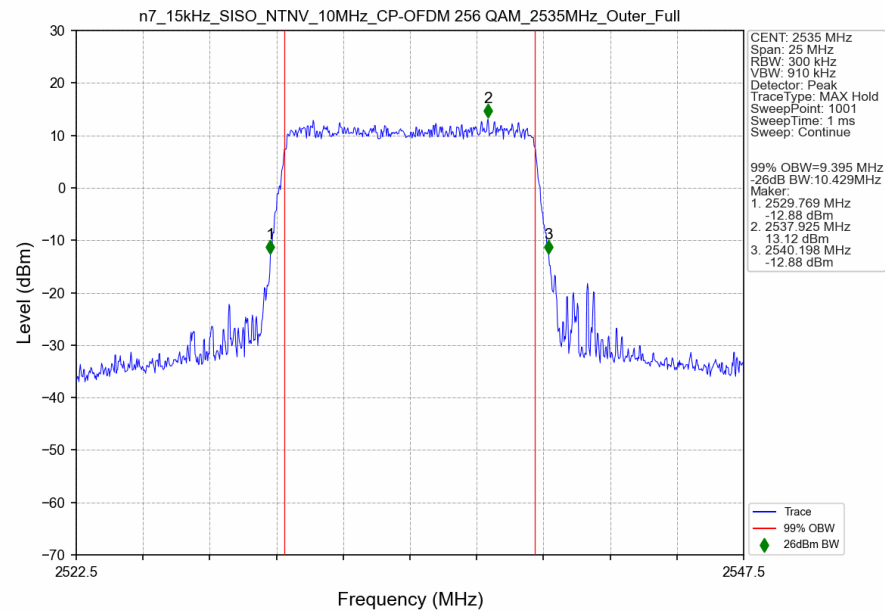
n7_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 2535MHz_Outer_Full_Ant1



n7_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 2535MHz_Outer_Full_Ant1

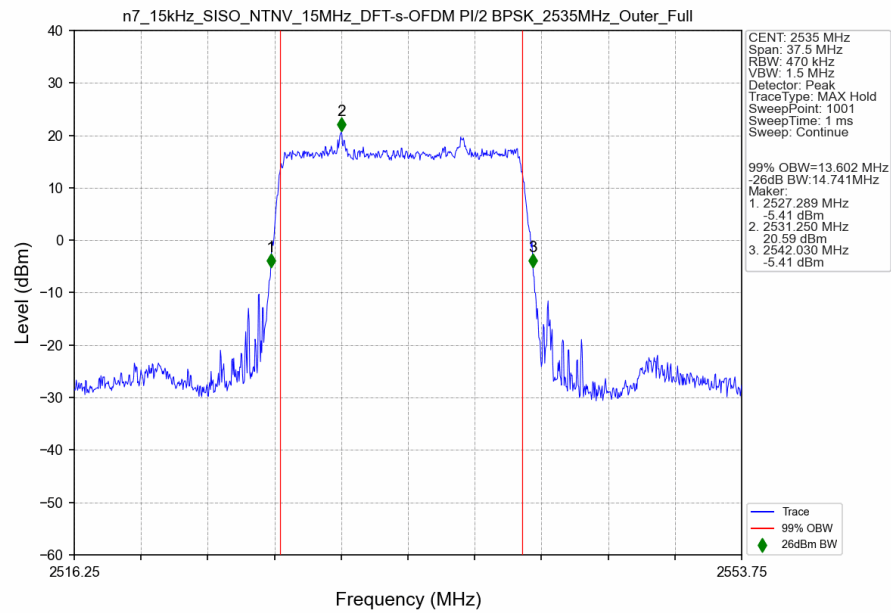


n7_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2535MHz_Outer_Full_Ant1

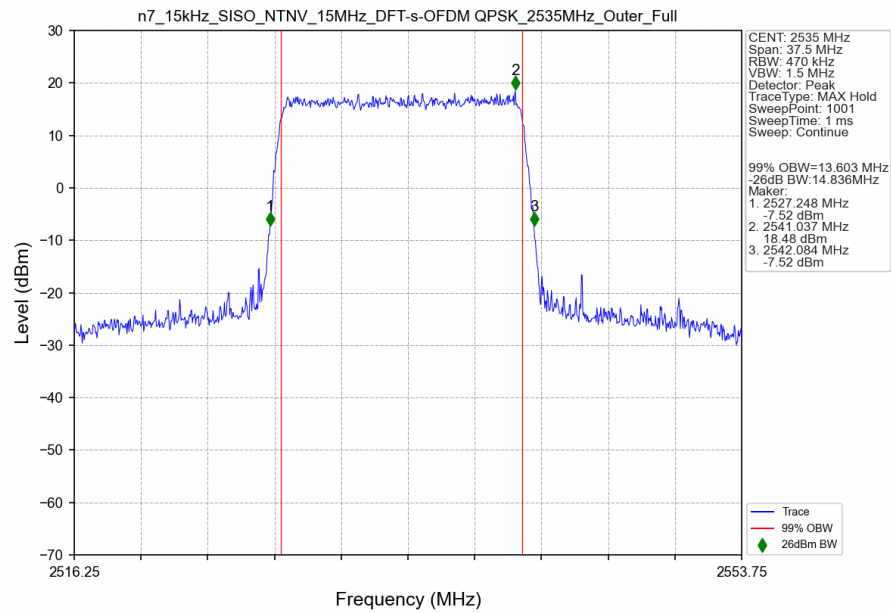


3.2.3 15k_SISO_15MHz_NTNV

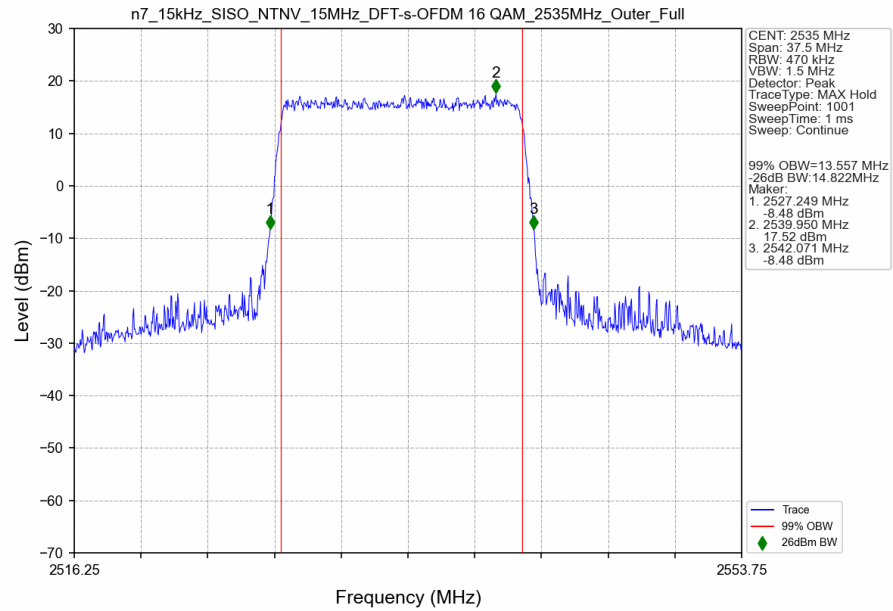
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Outer_Full_Ant1



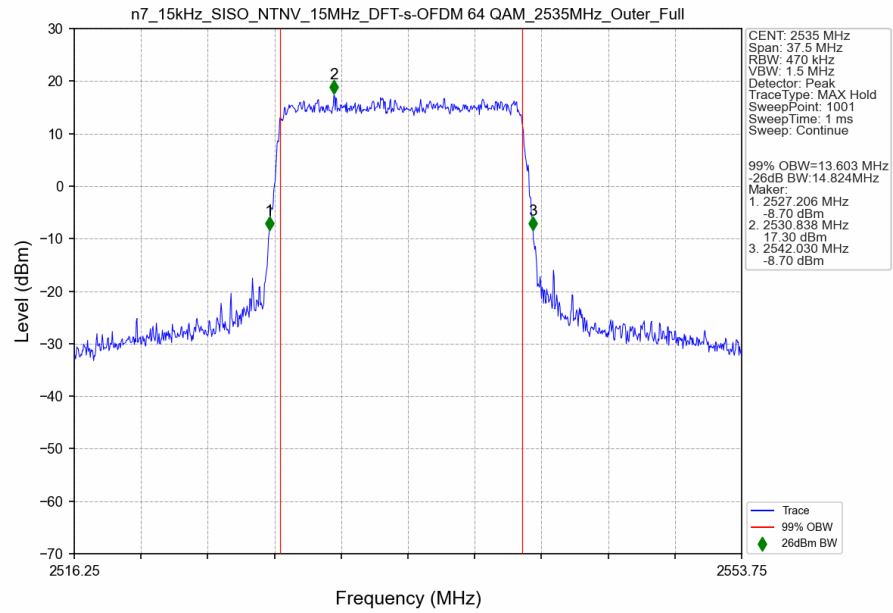
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_2535MHz_Outer_Full_Ant1



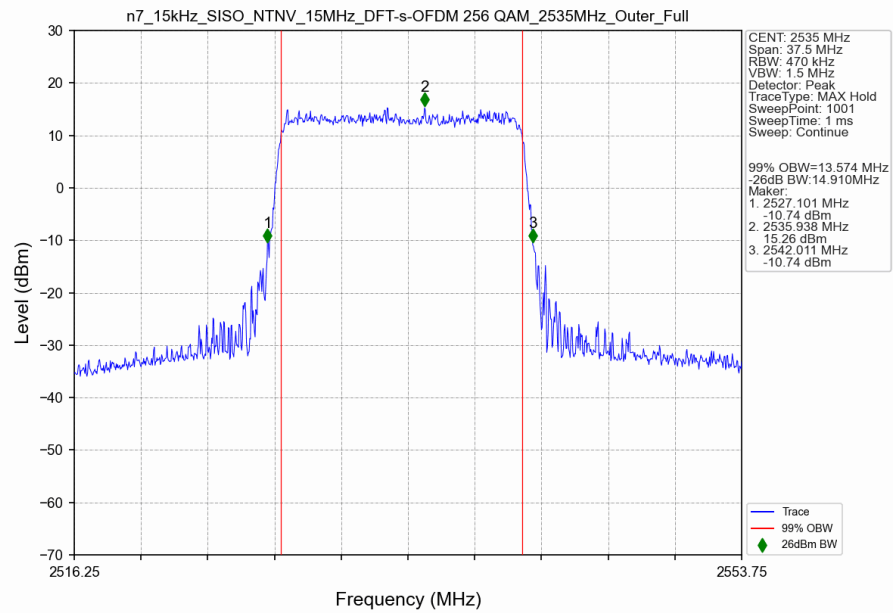
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM 2535MHz_Outer_Full_Ant1



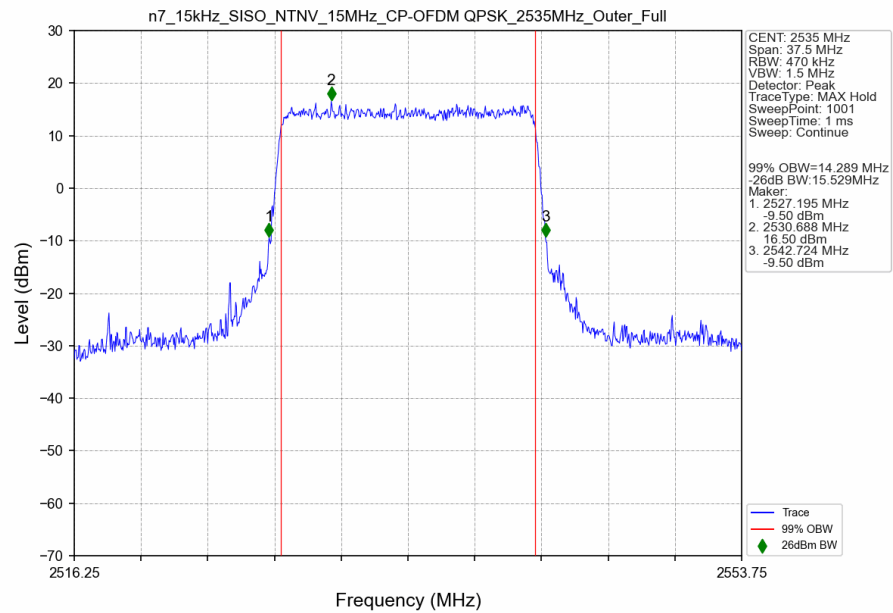
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM 2535MHz_Outer_Full_Ant1



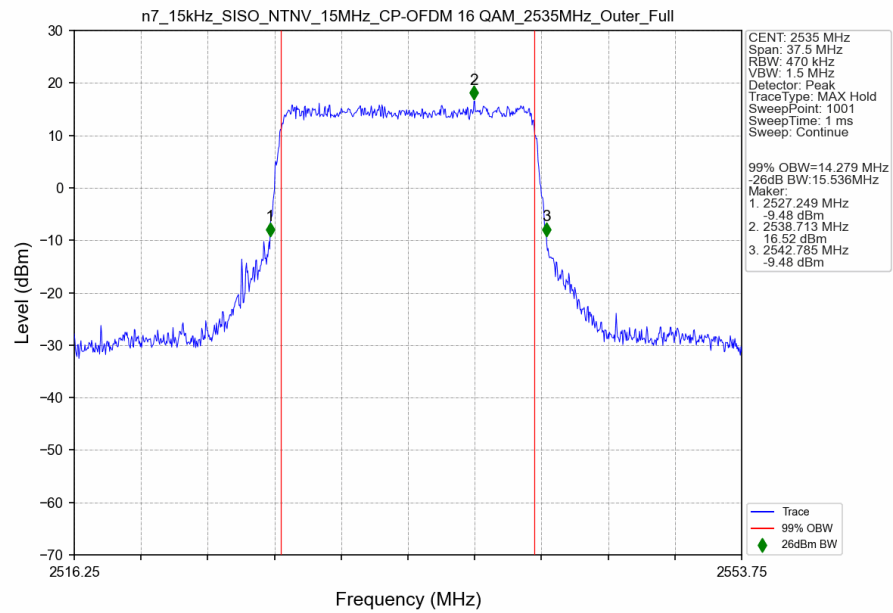
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full_Ant1



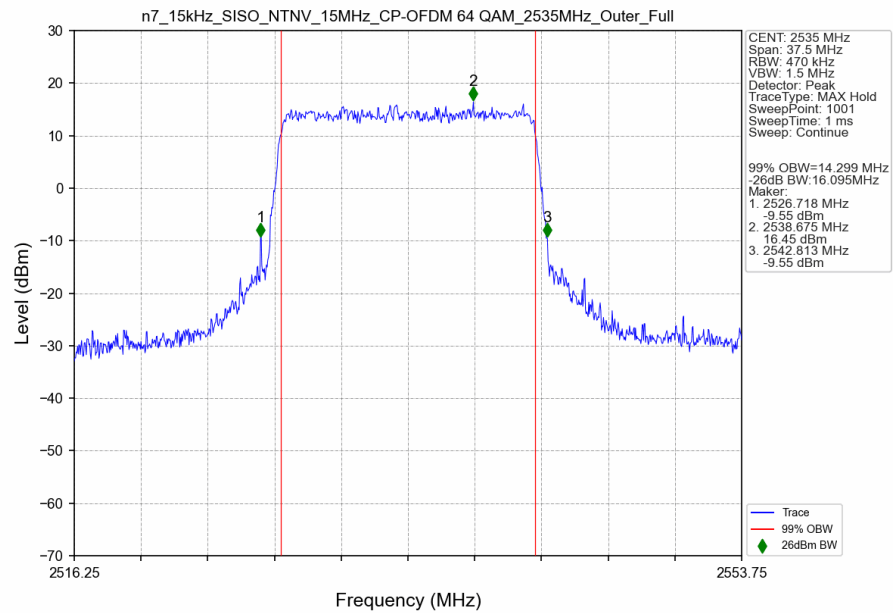
n7_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant1



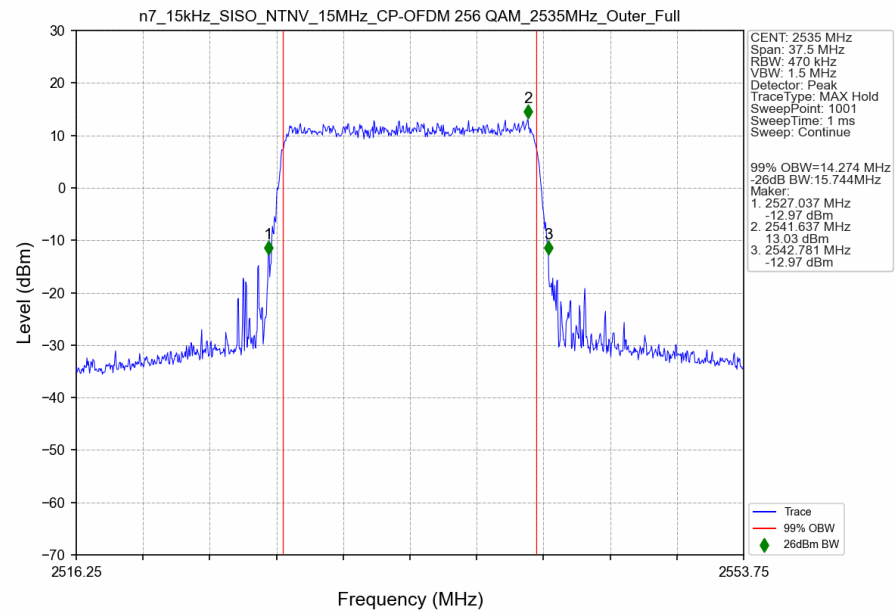
n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM 2535MHz_Outer_Full_Ant1



n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM 2535MHz_Outer_Full_Ant1

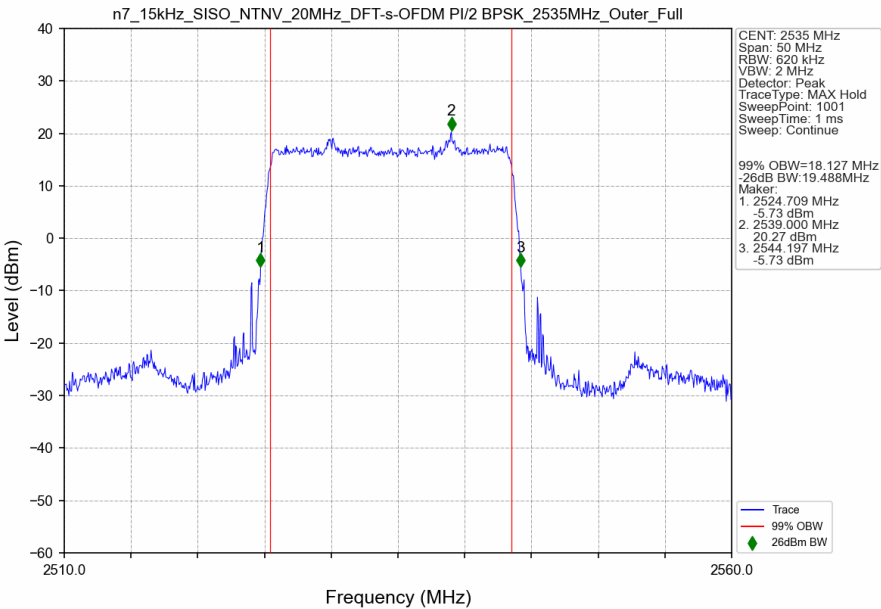


n7_15kHz_SISO_NTV_15MHz_CP-OFDM_256_QAM_2535MHz_Outer_Full_Ant1

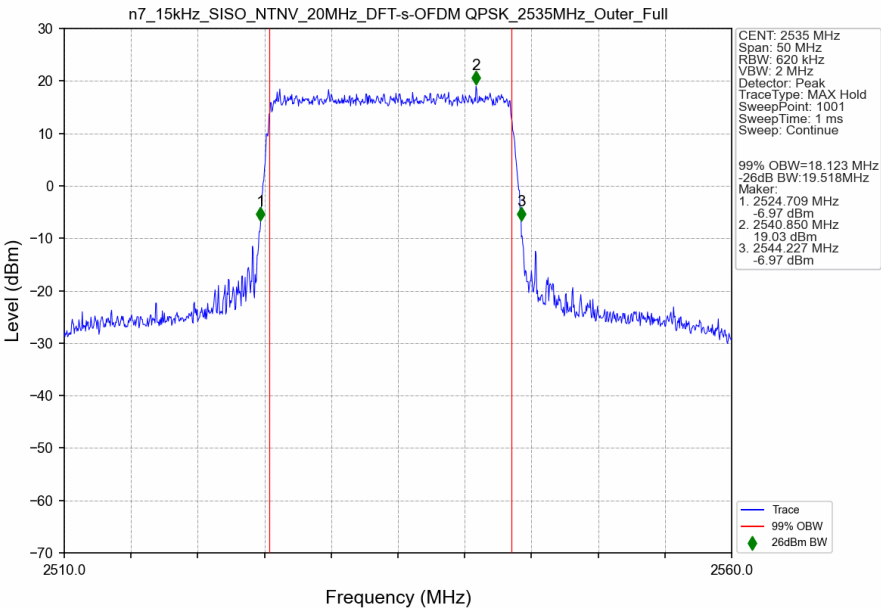


3.2.4 15k_SISO_20MHz_NTNV

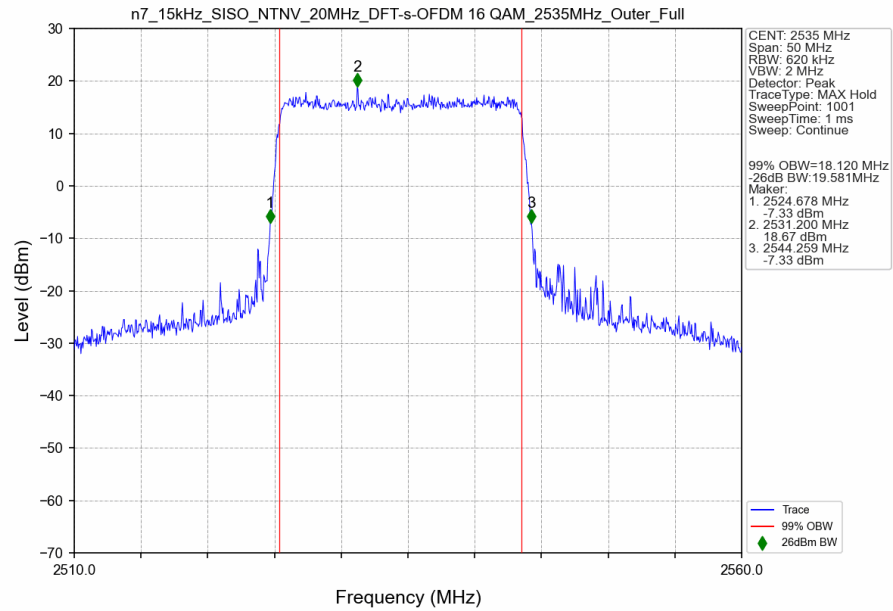
n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Outer_Full_Ant1



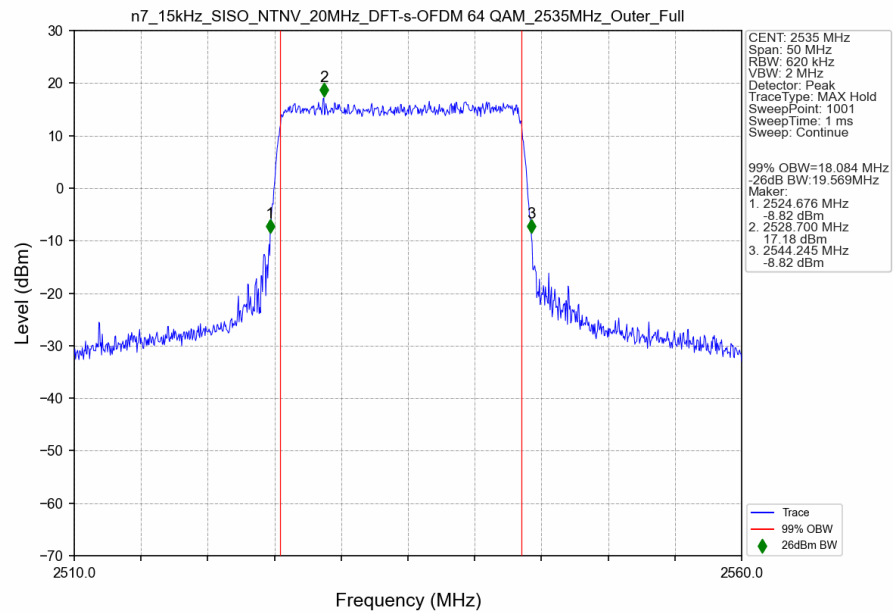
n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_2535MHz_Outer_Full_Ant1



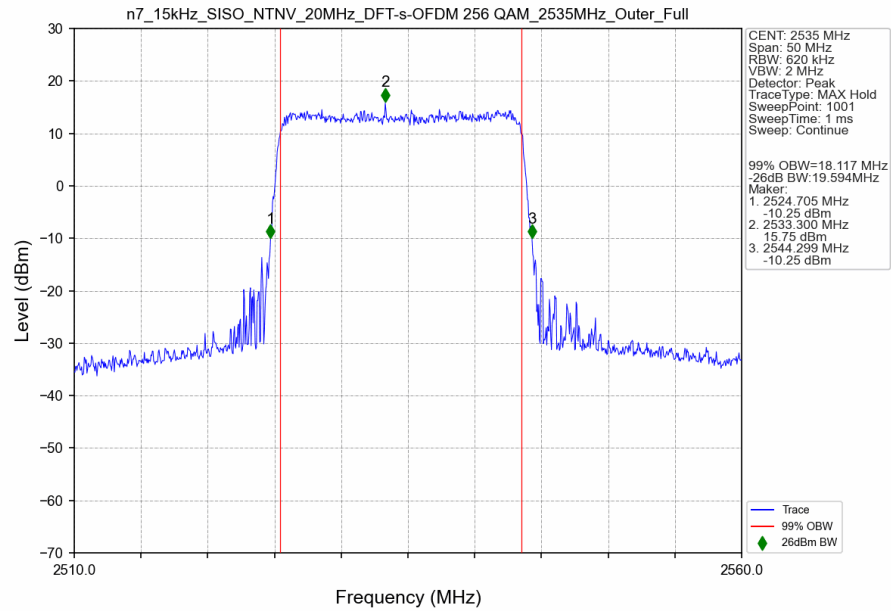
n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM 2535MHz_Outer_Full_Ant1



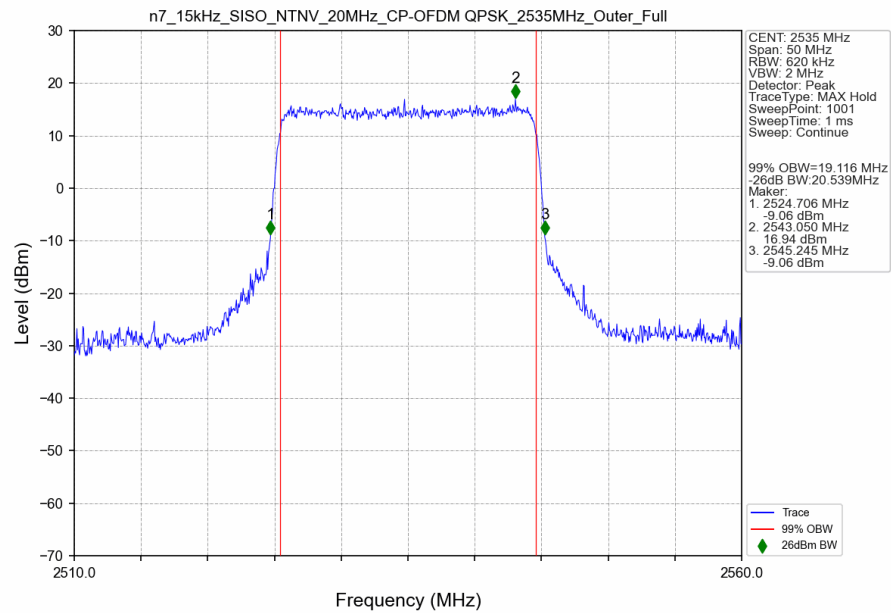
n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM 2535MHz_Outer_Full_Ant1



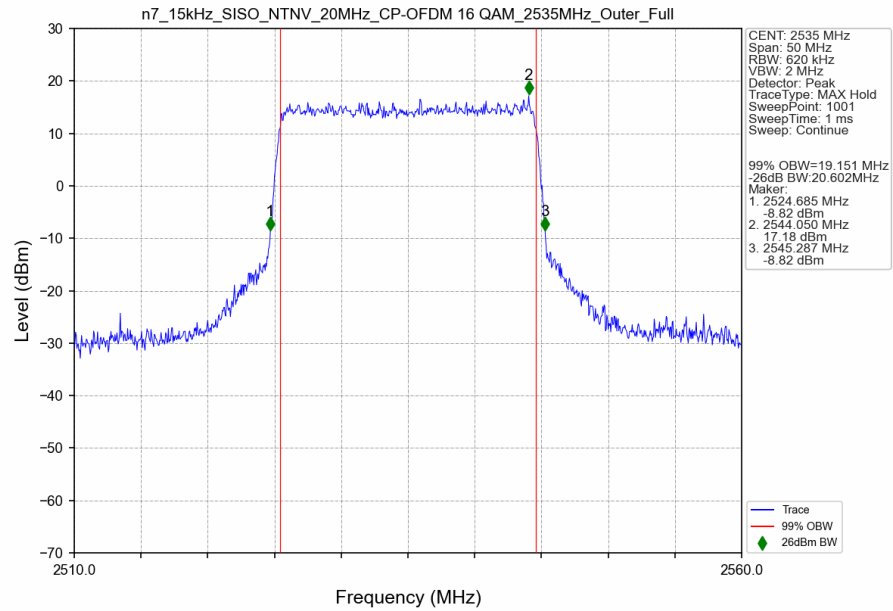
n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full_Ant1



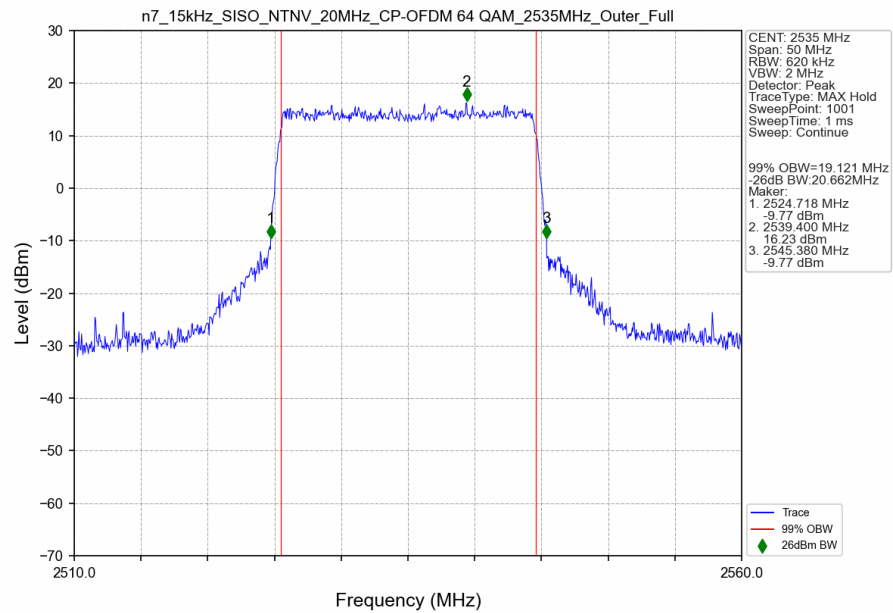
n7_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant1



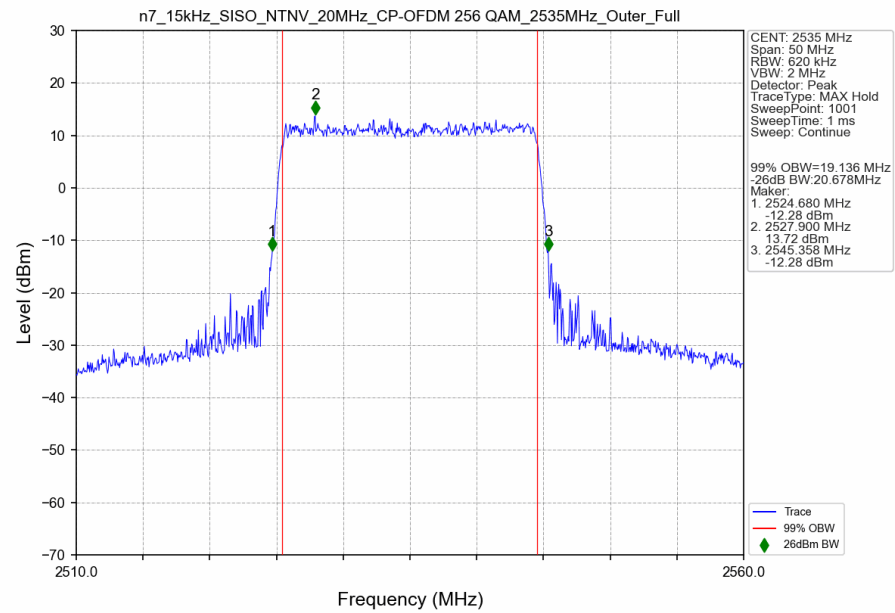
n7_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM 2535MHz_Outer_Full_Ant1



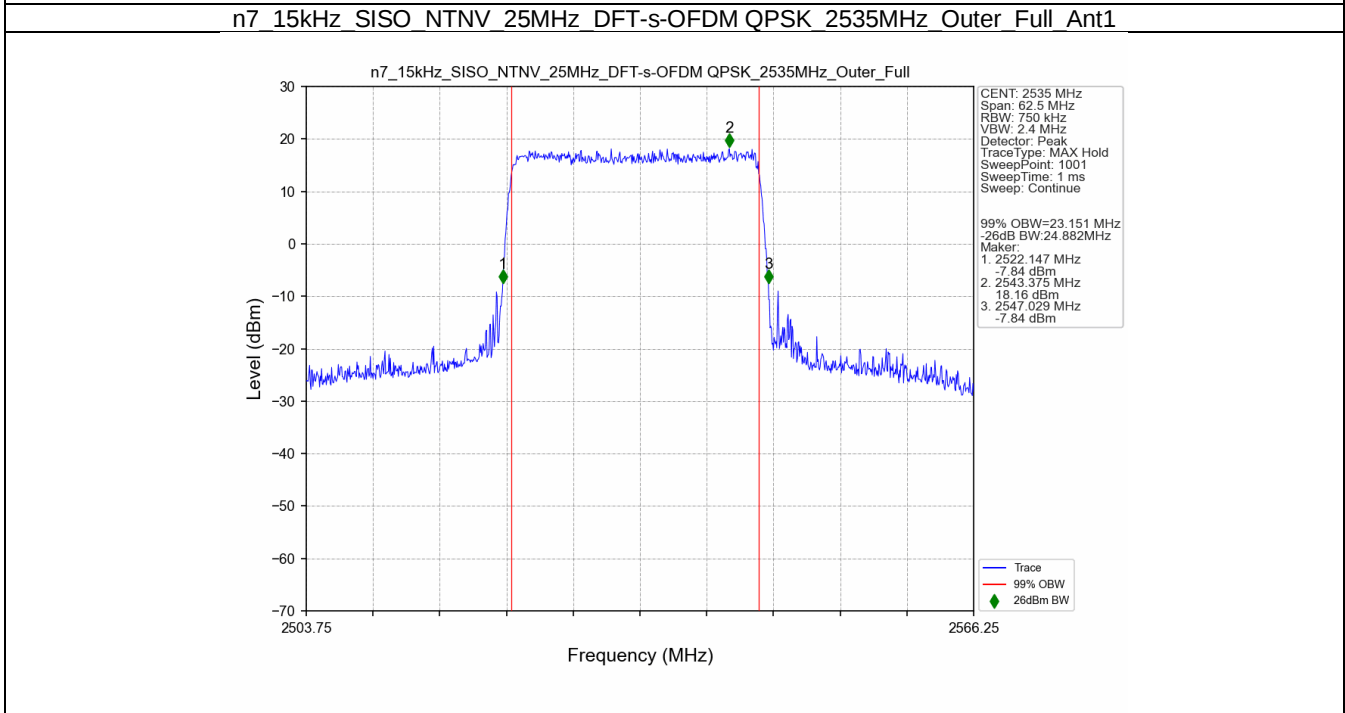
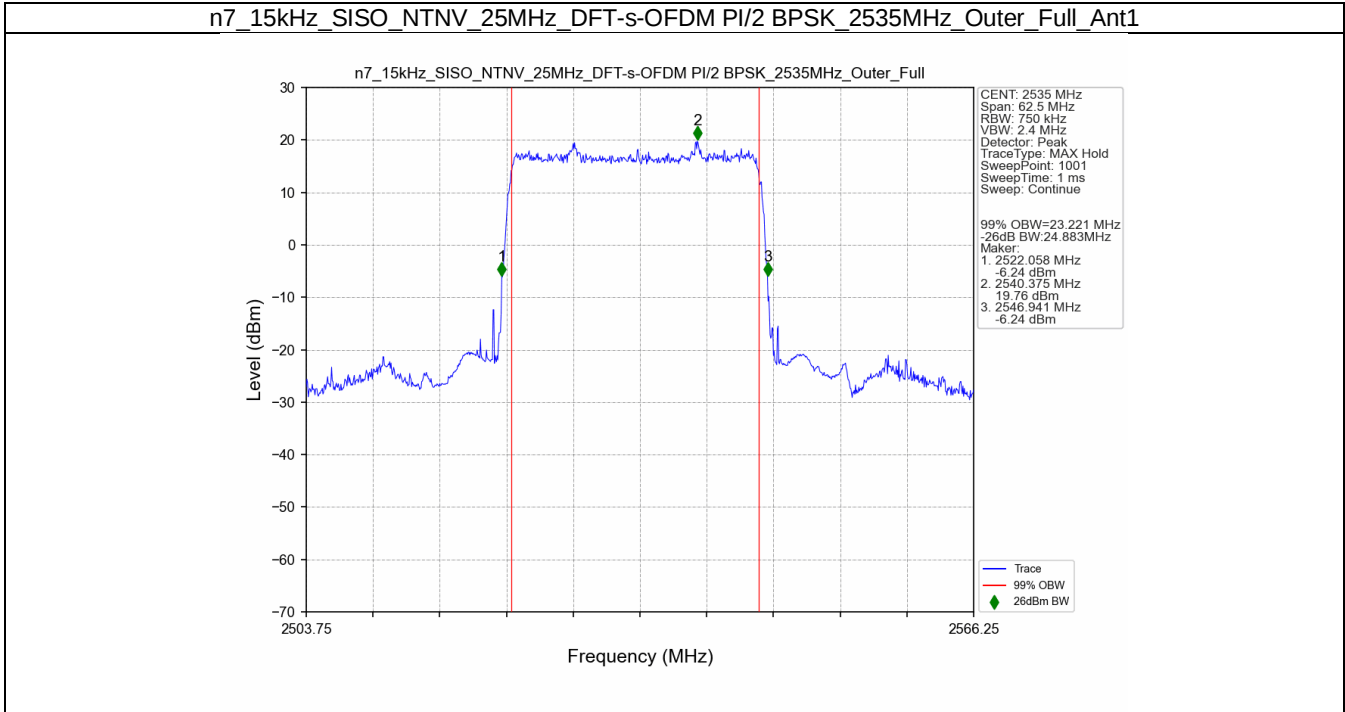
n7_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM 2535MHz_Outer_Full_Ant1



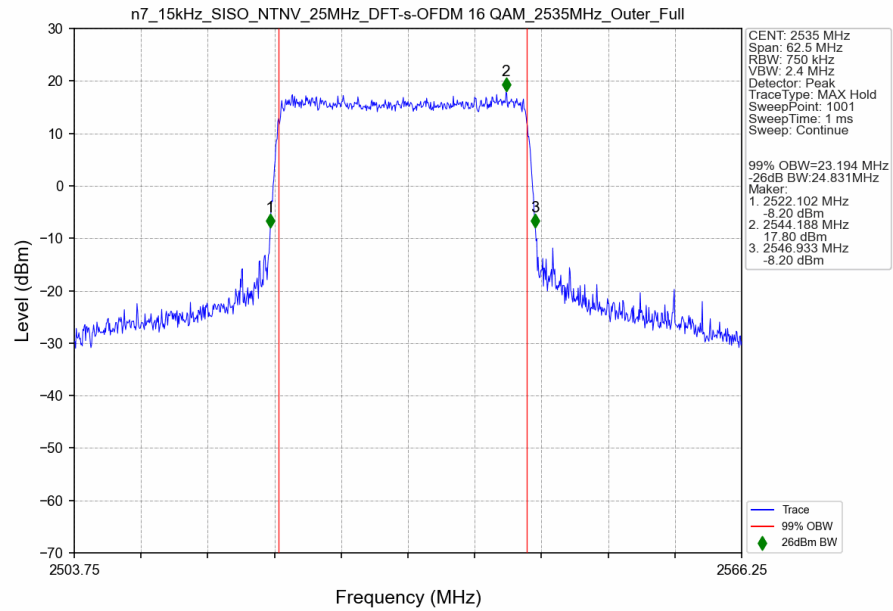
n7_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_2535MHz_Outer_Full_Ant1



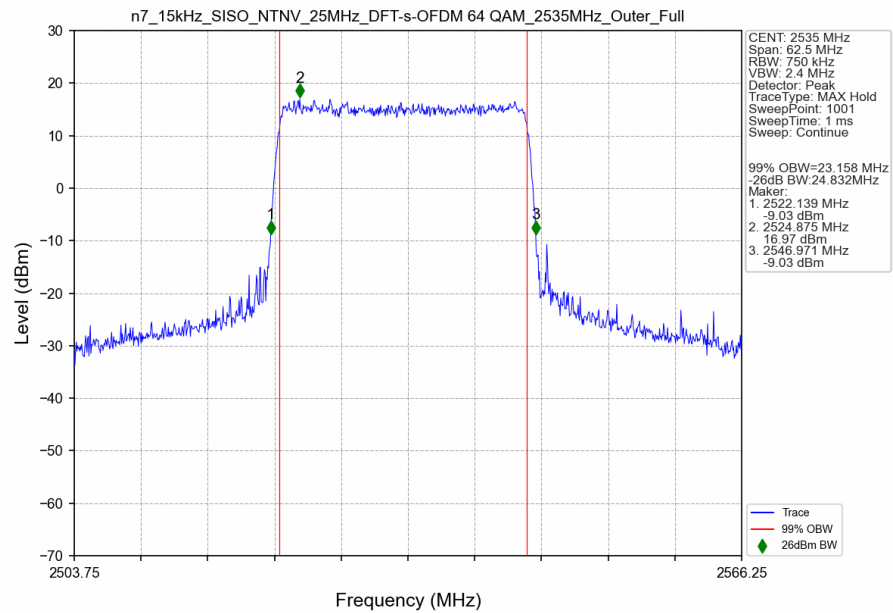
3.2.5 15k_SISO_25MHz_NTNV



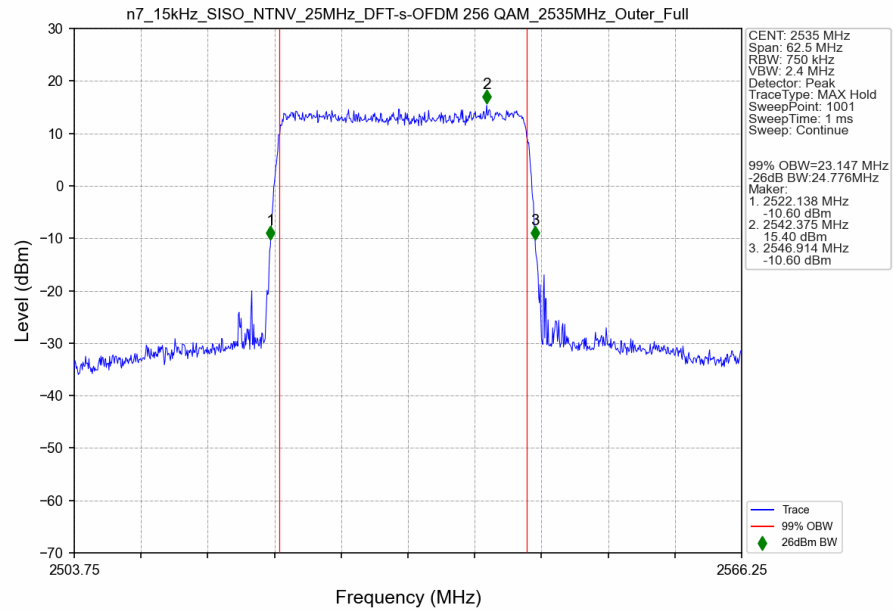
n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_2535MHz_Outer_Full_Ant1



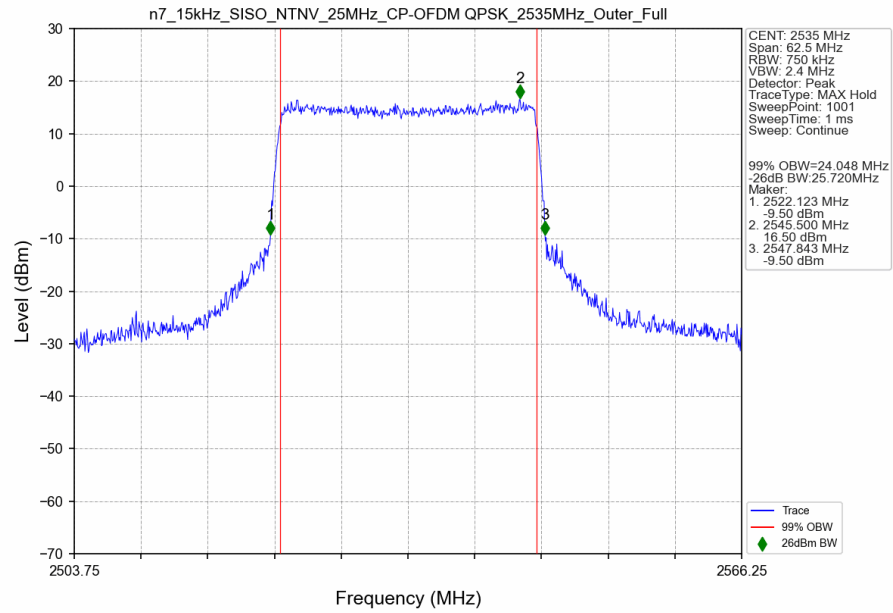
n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_64_QAM_2535MHz_Outer_Full_Ant1



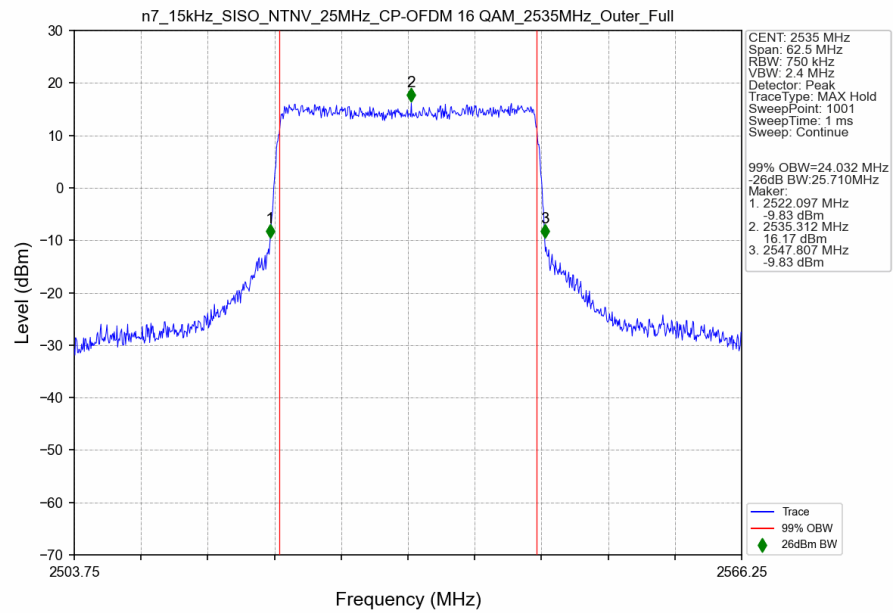
n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full_Ant1



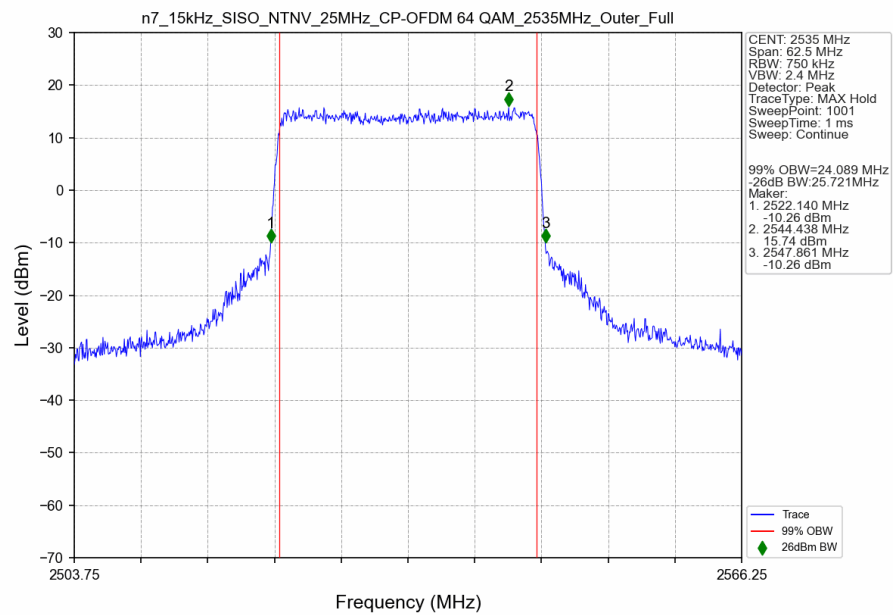
n7_15kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant1



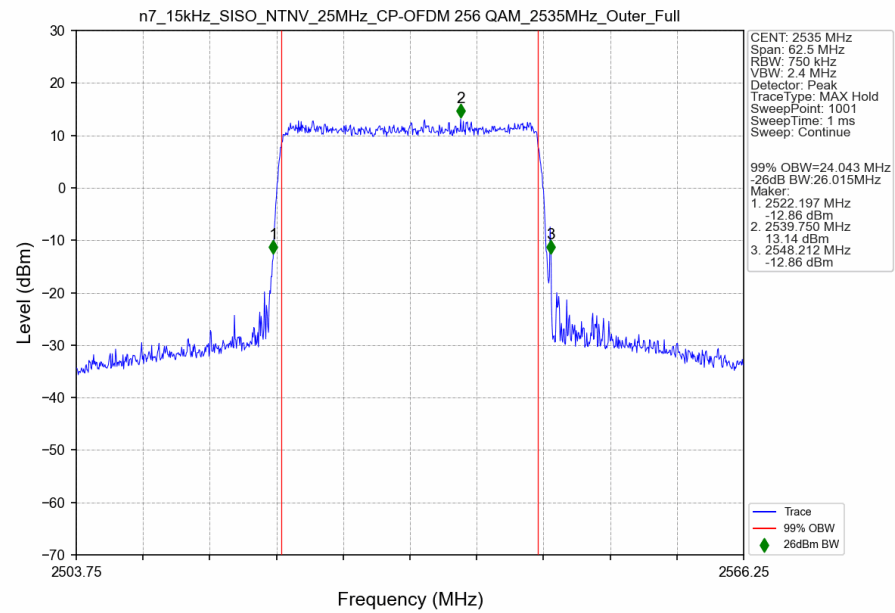
n7_15kHz_SISO_NTNV_25MHz_CP-OFDM 16 QAM 2535MHz_Outer_Full_Ant1



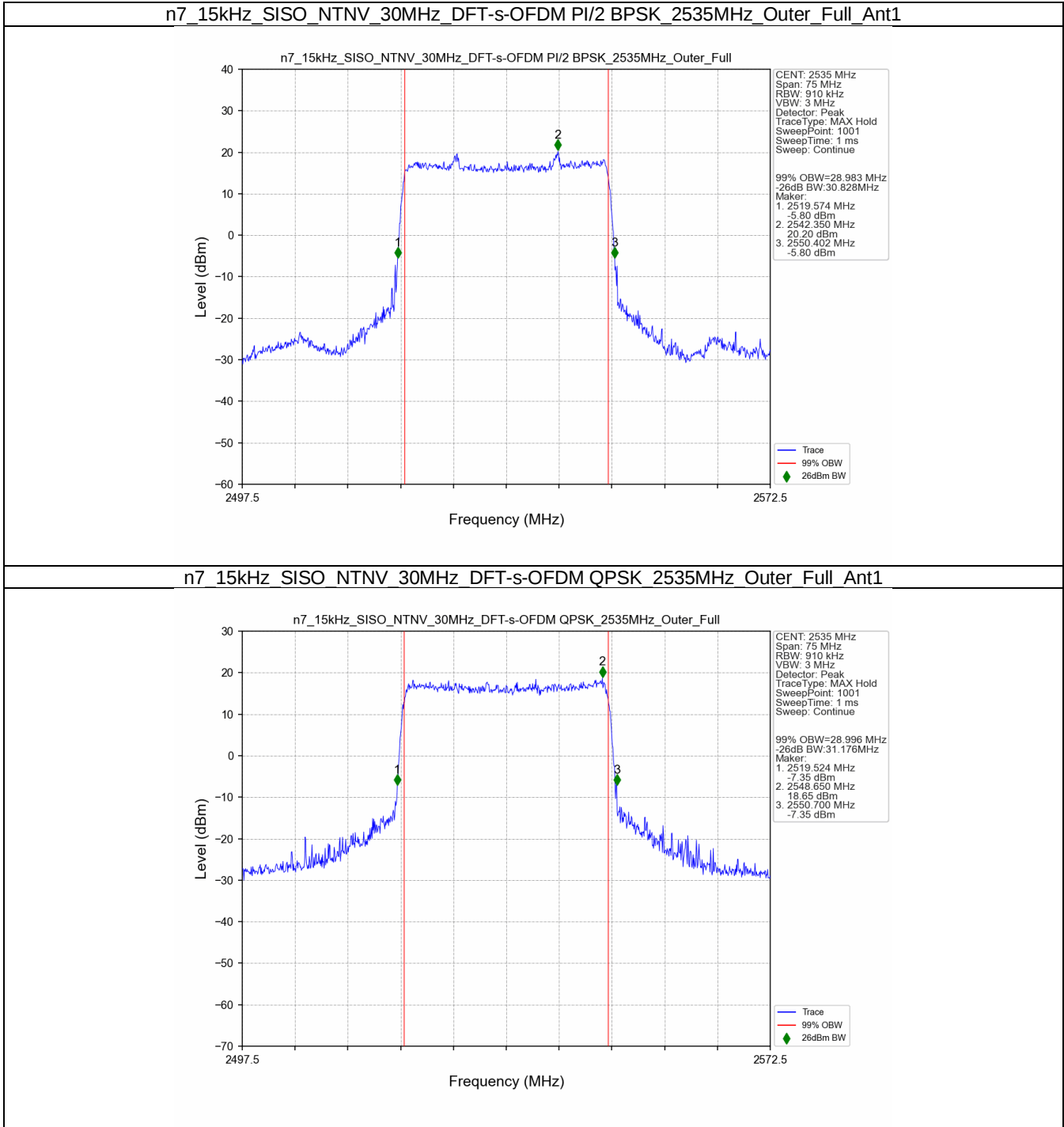
n7_15kHz_SISO_NTNV_25MHz_CP-OFDM 64 QAM 2535MHz_Outer_Full_Ant1



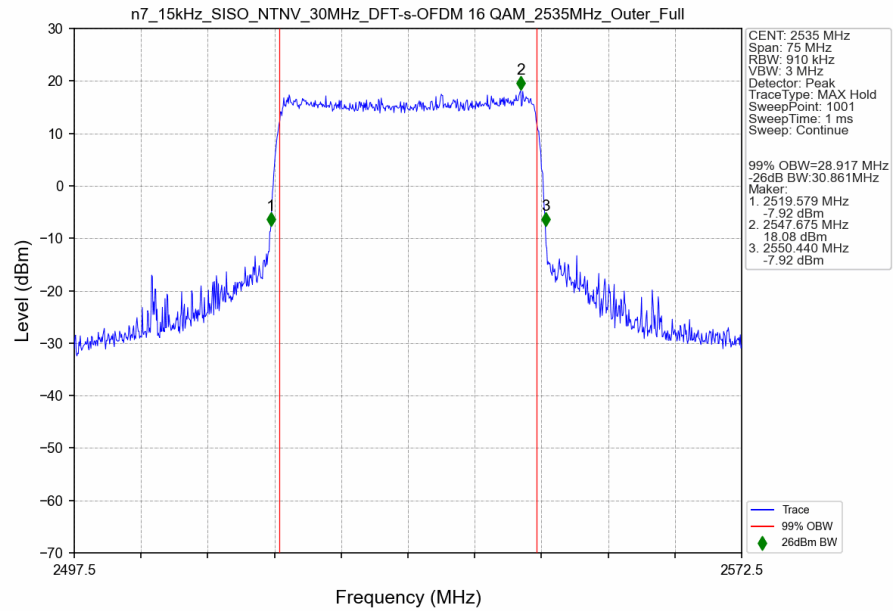
n7_15kHz_SISO_NTNV_25MHz_CP-OFDM_256_QAM_2535MHz_Outer_Full_Ant1



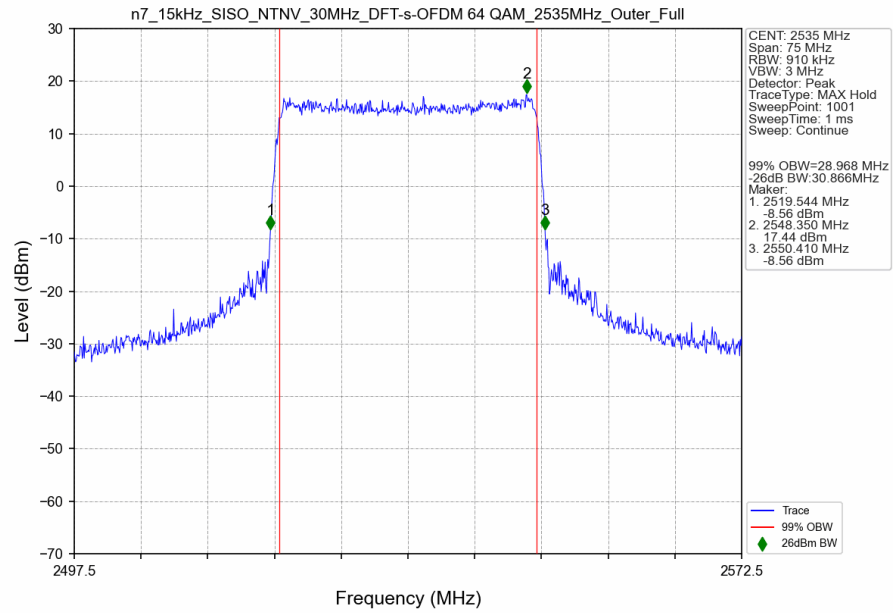
3.2.6 15k_SISO_30MHz_NTNV



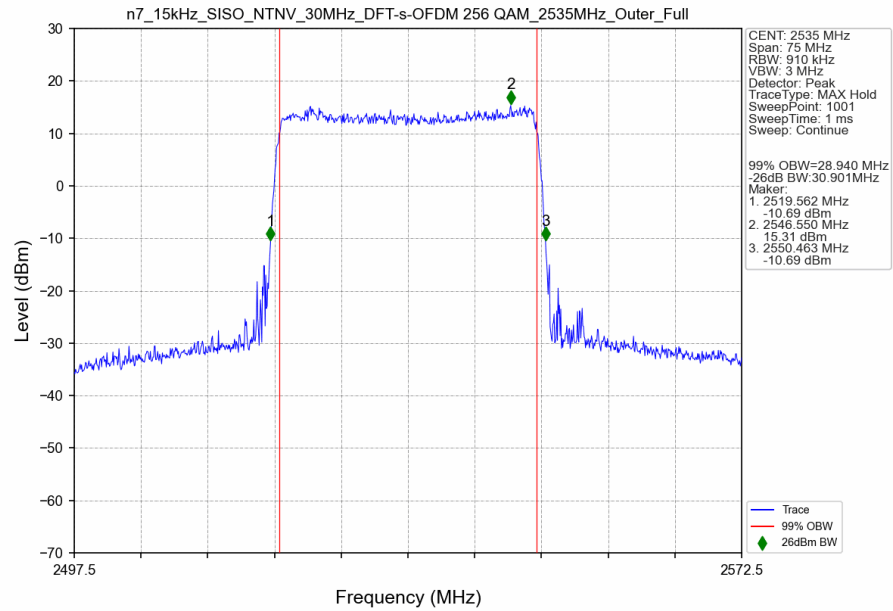
n7 15kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 2535MHz Outer Full Ant1



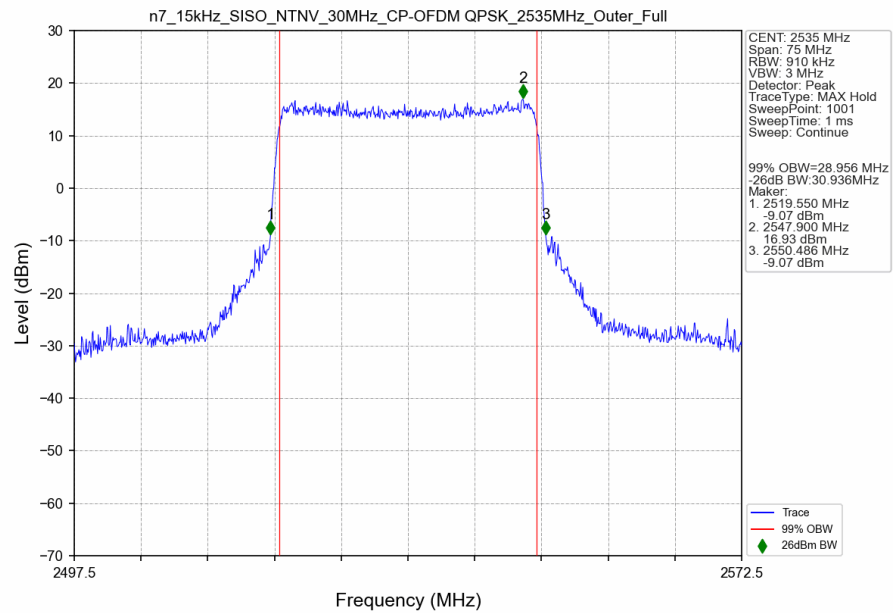
n7 15kHz SISO NTN 30MHz DFT-s-OFDM 64 QAM 2535MHz Outer Full Ant1



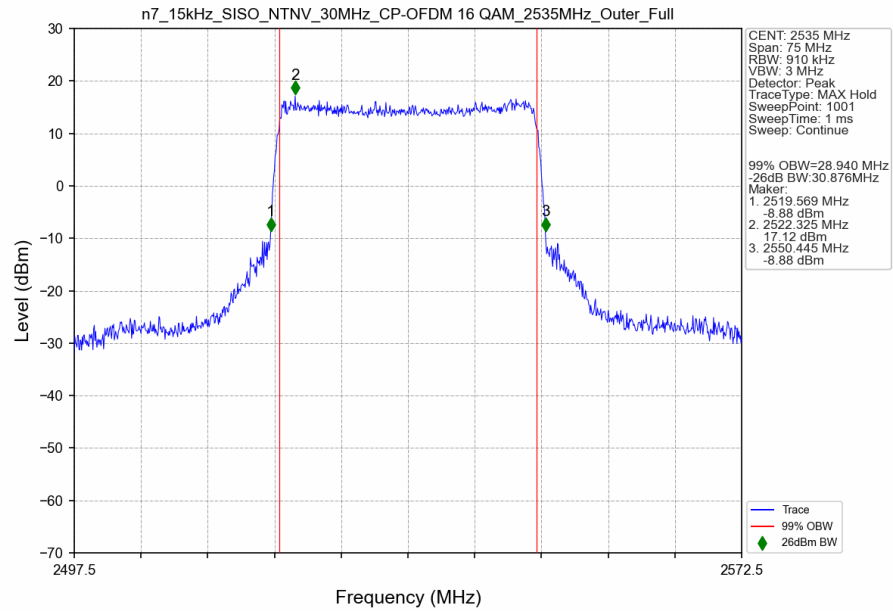
n7_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full_Ant1



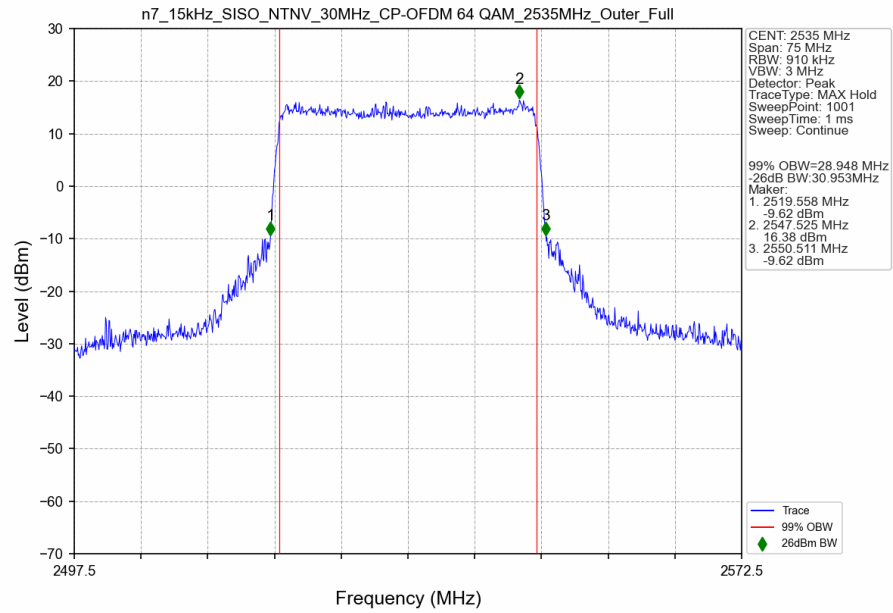
n7_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant1



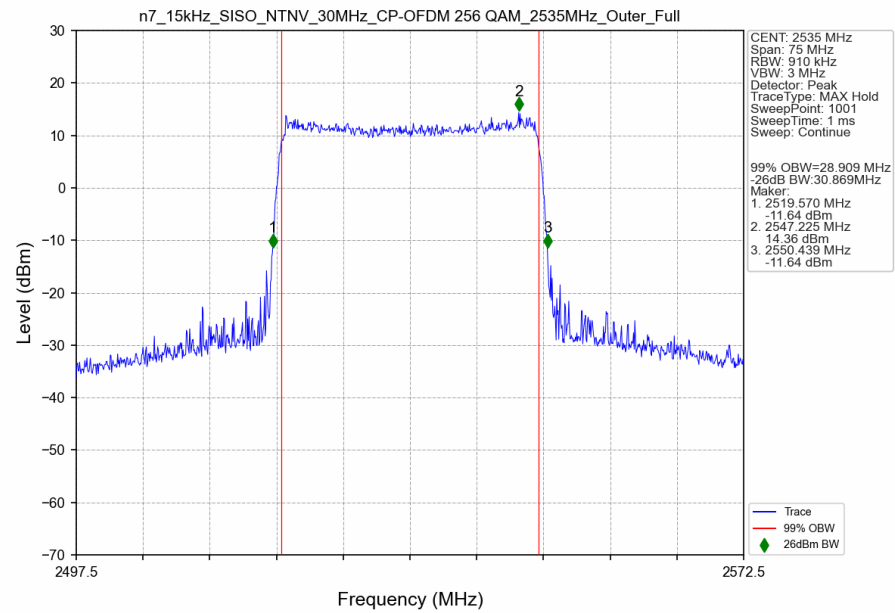
n7_15kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM 2535MHz_Outer_Full_Ant1



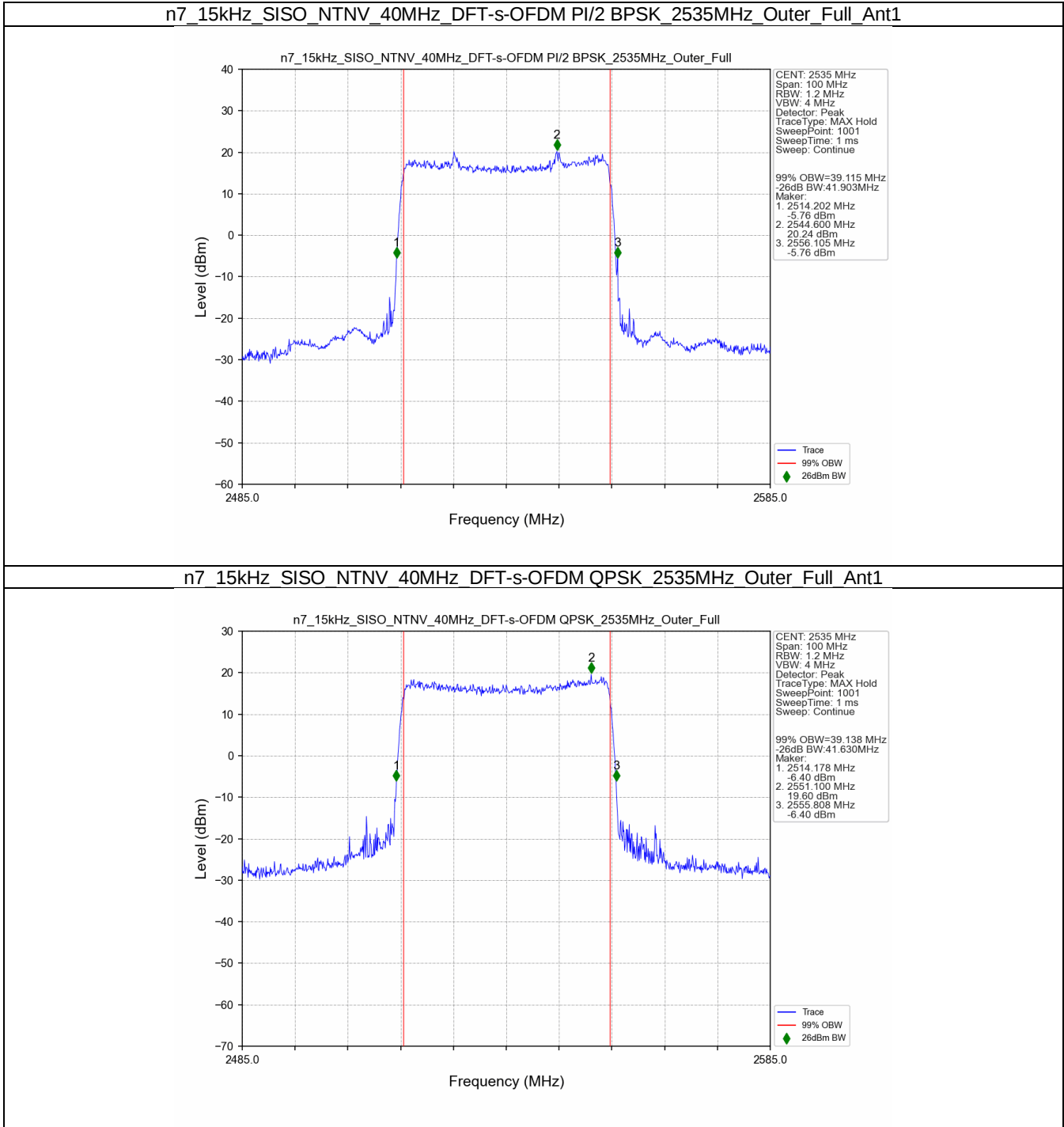
n7_15kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM 2535MHz_Outer_Full_Ant1



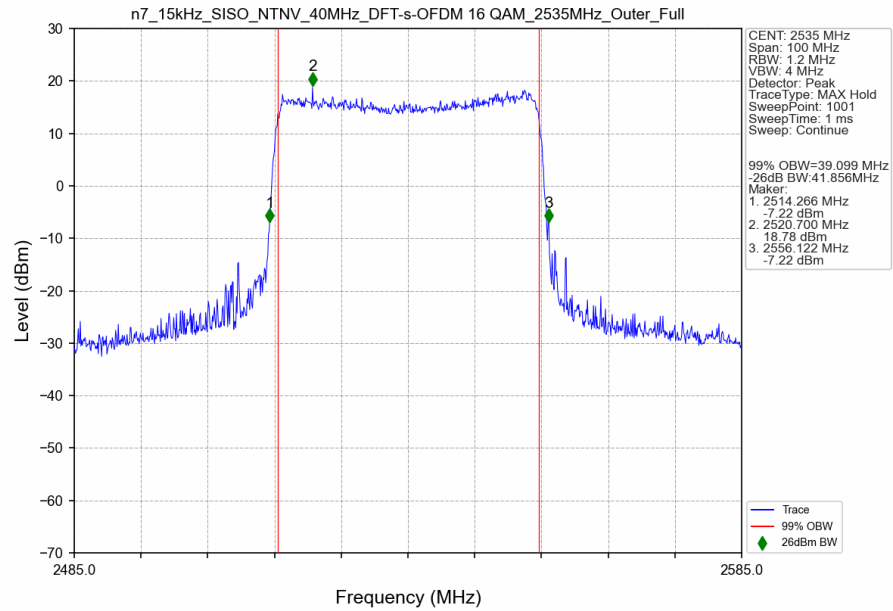
n7_15kHz_SISO_NTV_30MHz_CP-OFDM_256_QAM_2535MHz_Outer_Full_Ant1



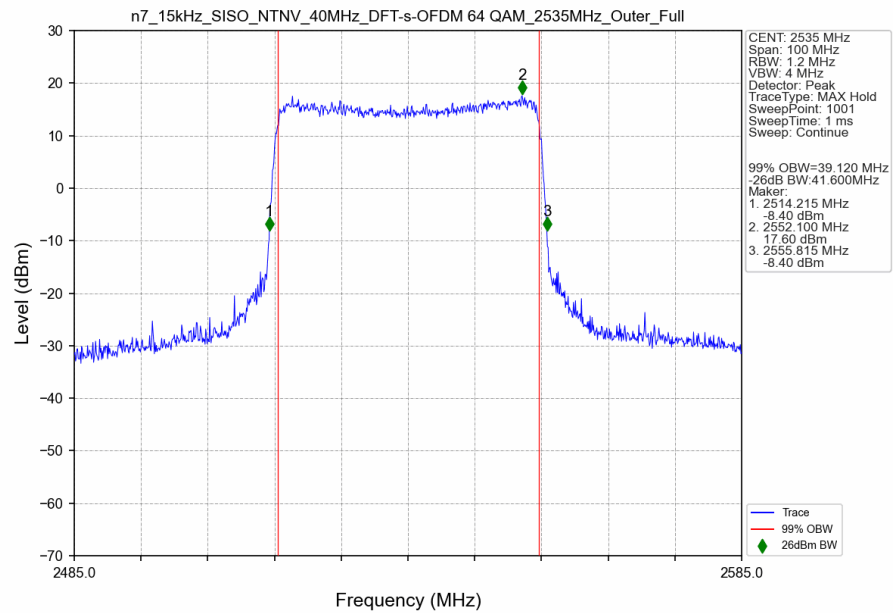
3.2.7 15k_SISO_40MHz_NTNV



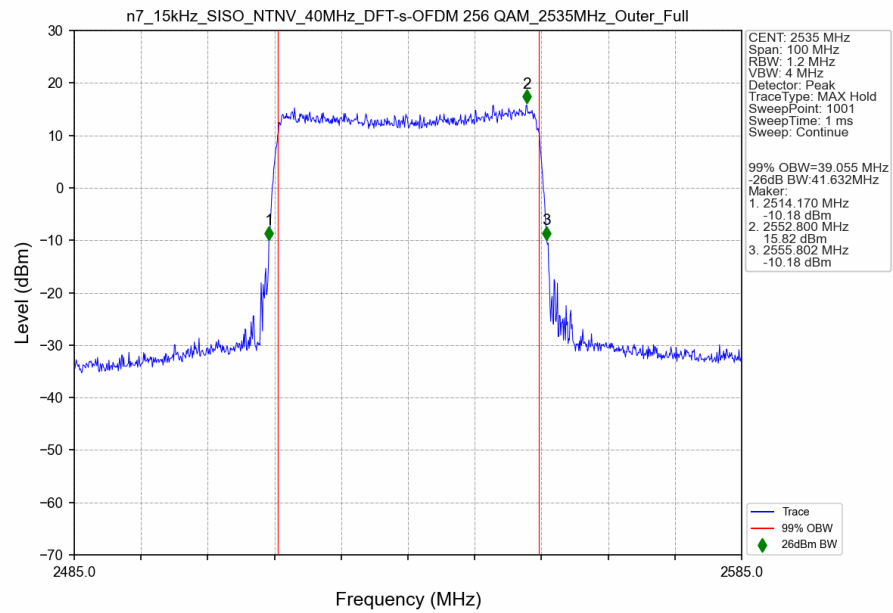
n7_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM 2535MHz_Outer_Full_Ant1



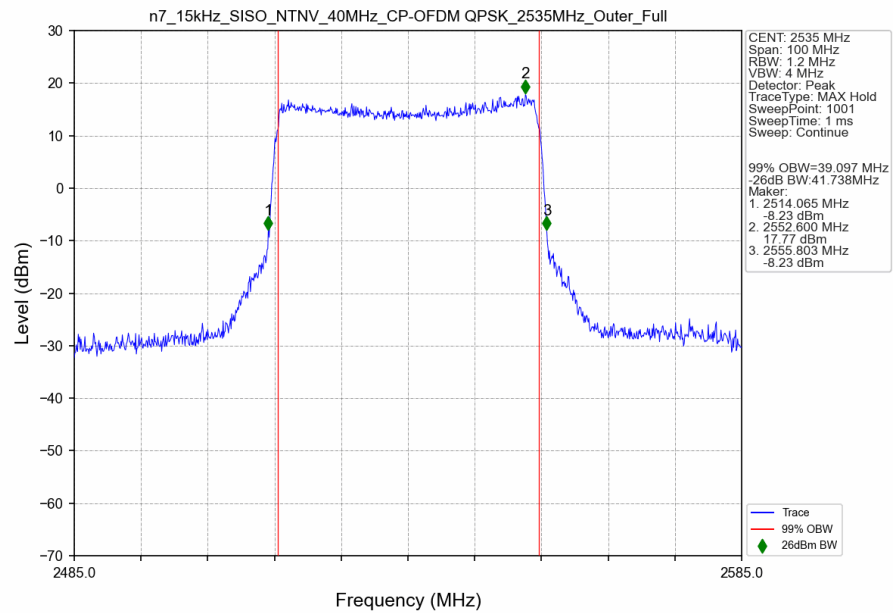
n7_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM 2535MHz_Outer_Full_Ant1



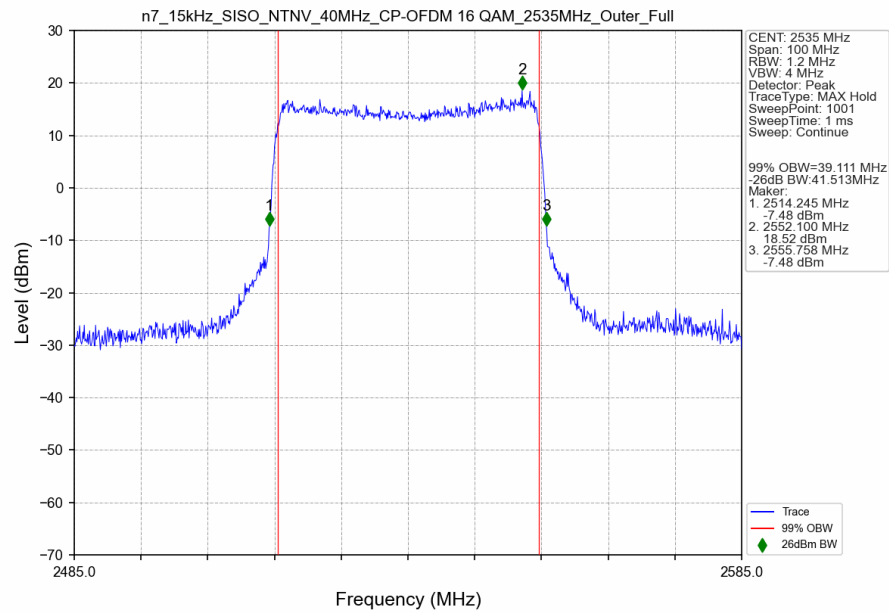
n7_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full_Ant1



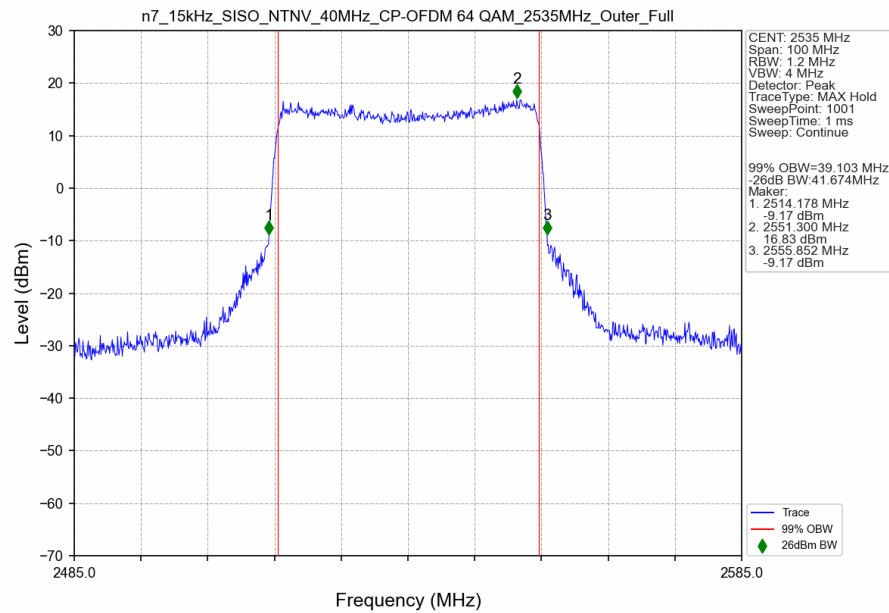
n7_15kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_2535MHz_Outer_Full_Ant1



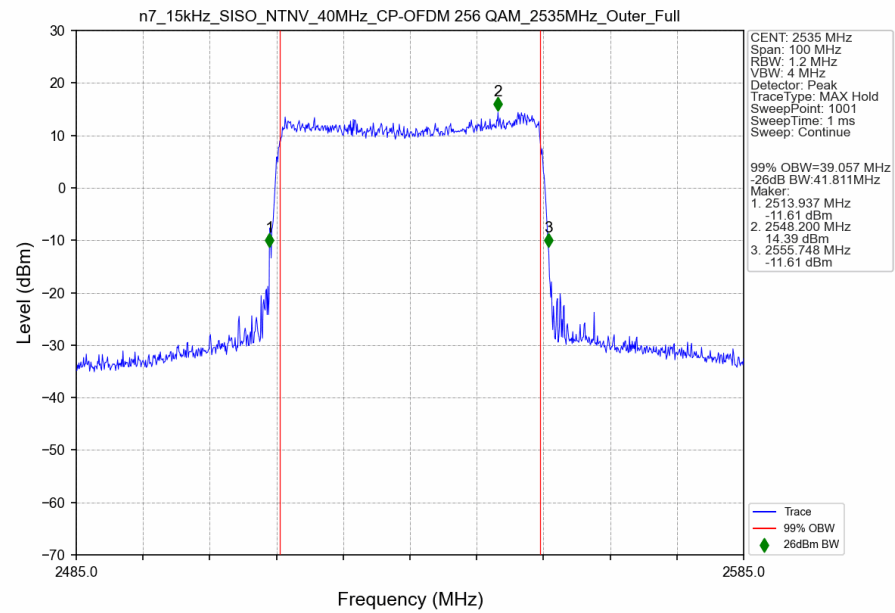
n7_15kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM 2535MHz_Outer_Full_Ant1



n7_15kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM 2535MHz_Outer_Full_Ant1



n7_15kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_2535MHz_Outer_Full_Ant1



4. Peak-Average Ratio

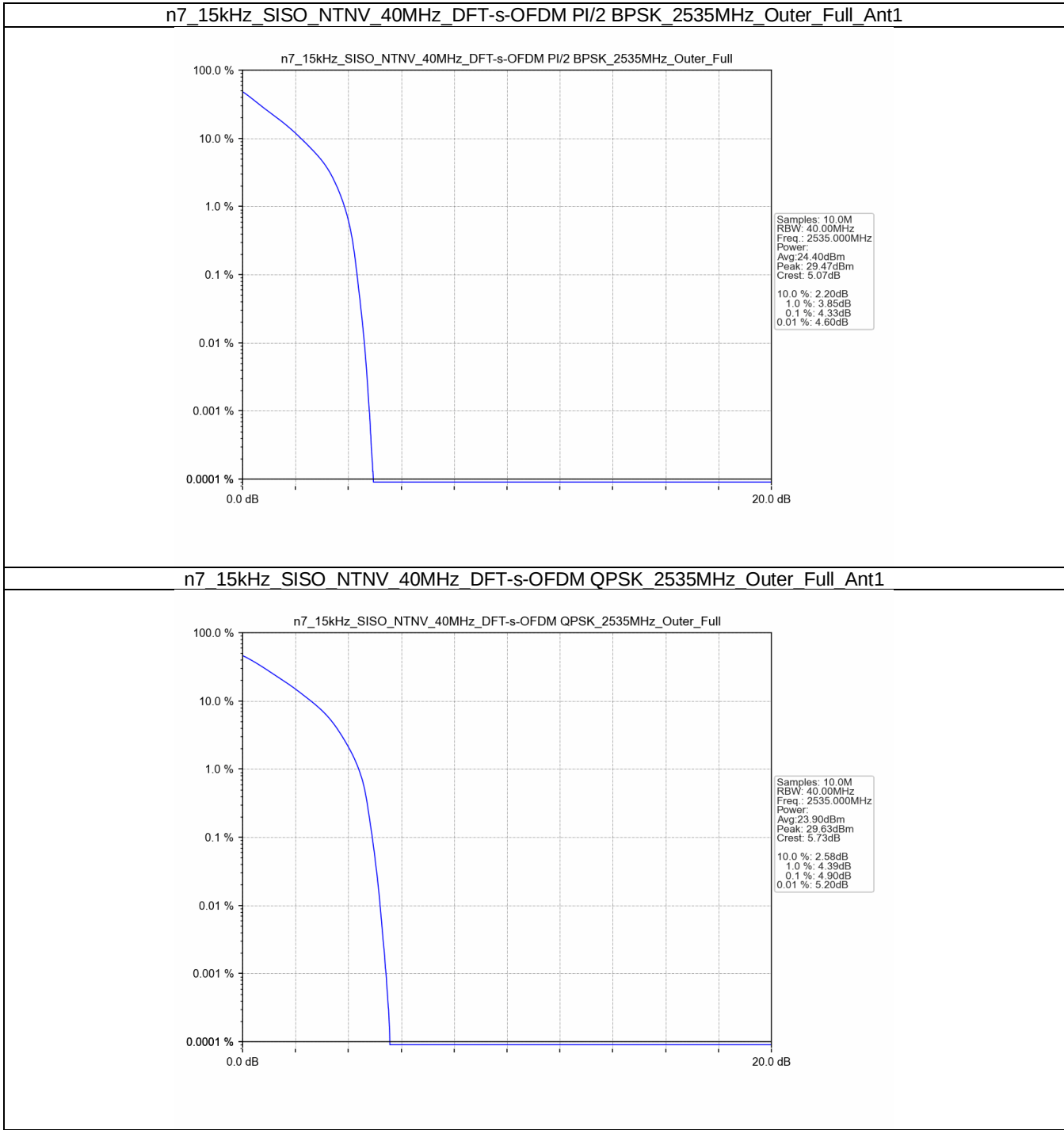
4.1 Test Result

4.1.1 15k_SISO_40MHz_NTNV

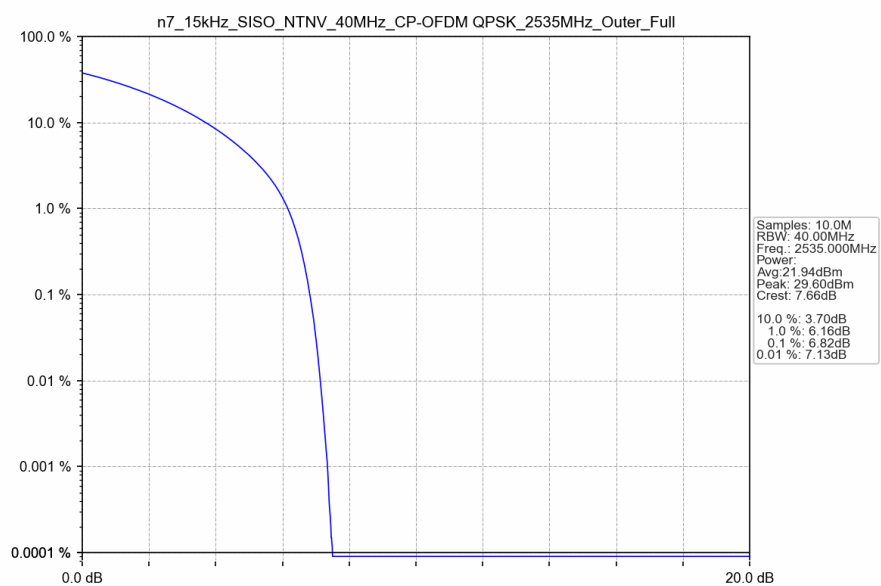
5G NR n7 SCS=15kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2535	Outer_Full	4.33	/	/	<=13	Pass
DFT-s-OFDM QPSK	2535	Outer_Full	4.90	/	/	<=13	Pass
CP-OFDM QPSK	2535	Outer_Full	6.82	/	/	<=13	Pass

4.2 Test Graph

4.2.1 15k_SISO_40MHz_NTNV



n7 15kHz SISO NTN 40MHz CP-OFDM QPSK 2535MHz Outer Full Ant1



5. Spurious Emission

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n7 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2502.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2567.5	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2502.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2567.5	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	2502.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	2567.5	Outer_Full	Refer To Test Graph				Pass

5.1.2 15k_SISO_20MHz_NTNV

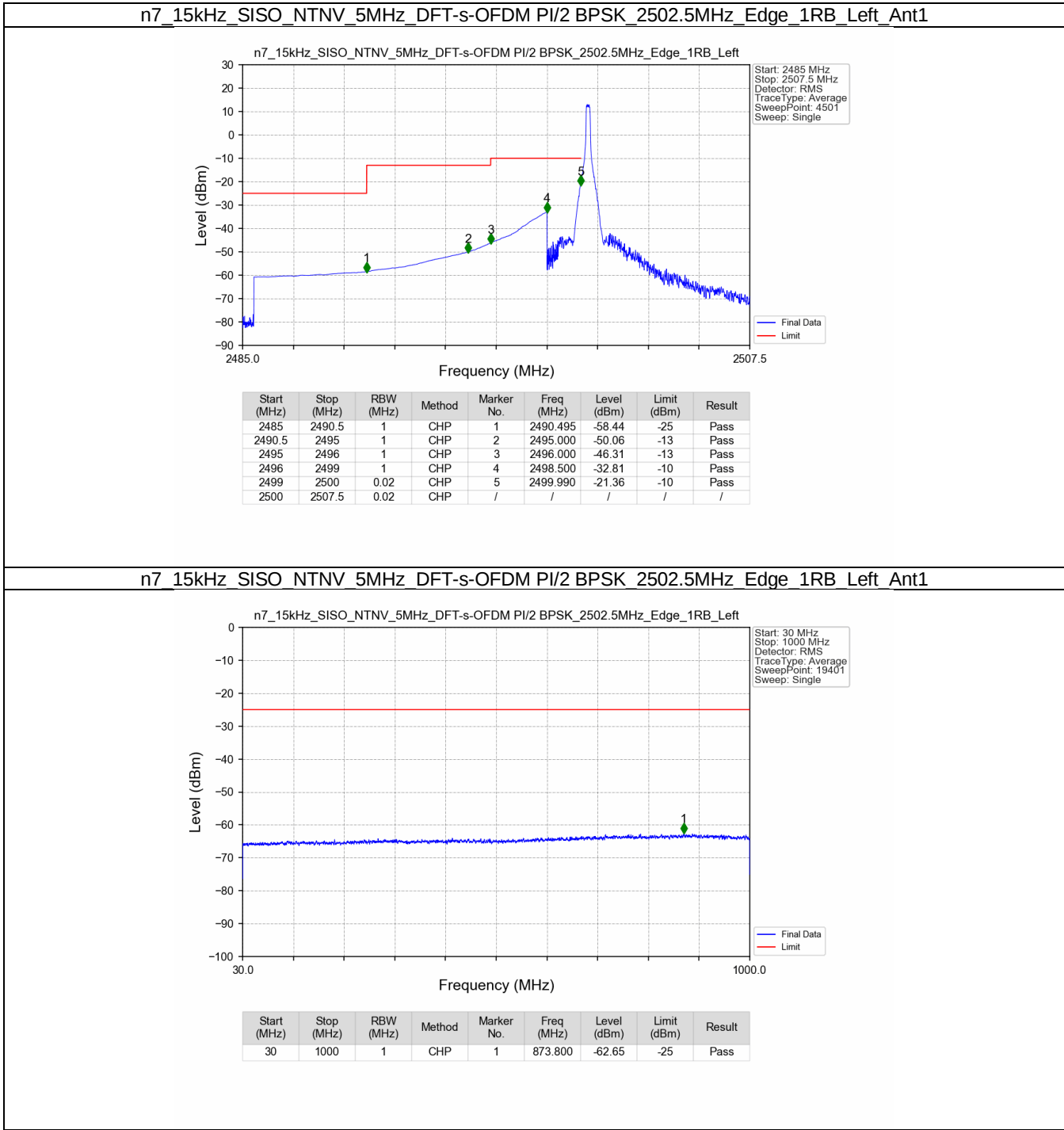
5G NR n7 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2510	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	2535	Edge 1RB Left	Refer To Test Graph				Pass
		Edge 1RB Right	Refer To Test Graph				Pass
	2560	Outer Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2510	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	2535	Edge 1RB Left	Refer To Test Graph				Pass
		Edge 1RB Right	Refer To Test Graph				Pass
	2560	Outer Full	Refer To Test Graph				Pass
CP-OFDM QPSK	2510	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
	2535	Edge 1RB Left	Refer To Test Graph				Pass
		Edge 1RB Right	Refer To Test Graph				Pass
	2560	Outer Full	Refer To Test Graph				Pass

5.1.3 15k_SISO_40MHz_NTNV

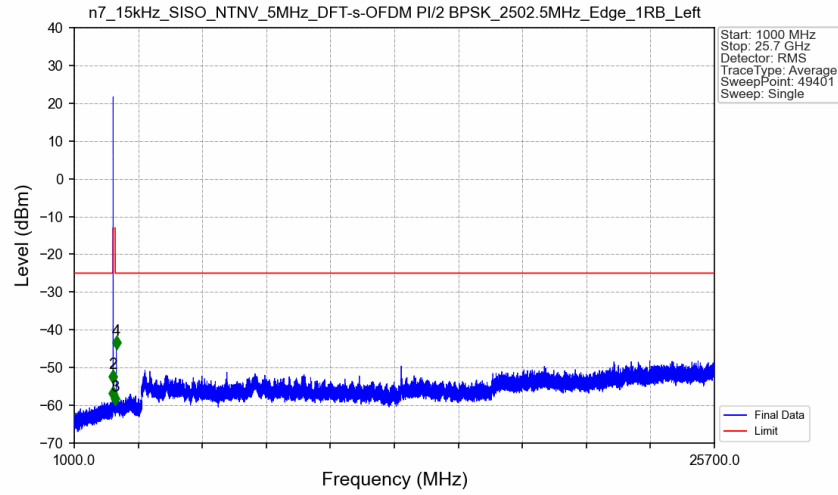
5G NR n7 SCS=15kHz SISO 40MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2520	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	2520	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	2520	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.2 Test Graph

5.2.1 15k_SISO_5MHz_NTNV

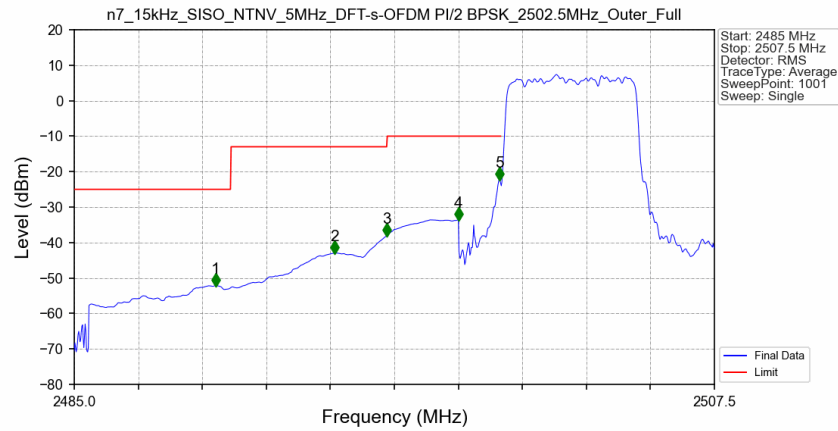


n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_2502.5MHz_Edge_1RB_Left_Ant1



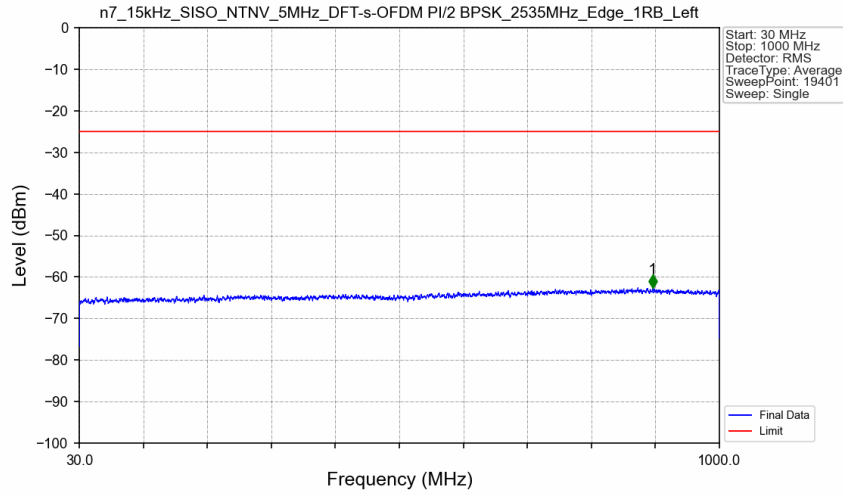
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2489.500	-58.58	-25	Pass
2490.5	2495	1	/	2	2494.500	-54.02	-13	Pass
2495	2575	1	/	/	/	/	/	/
2575	2576	1	/	3	2576.000	-59.98	-13	Pass
2576	25700	1	/	4	2621.500	-45.10	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_2502.5MHz_Outer_Full_Ant1

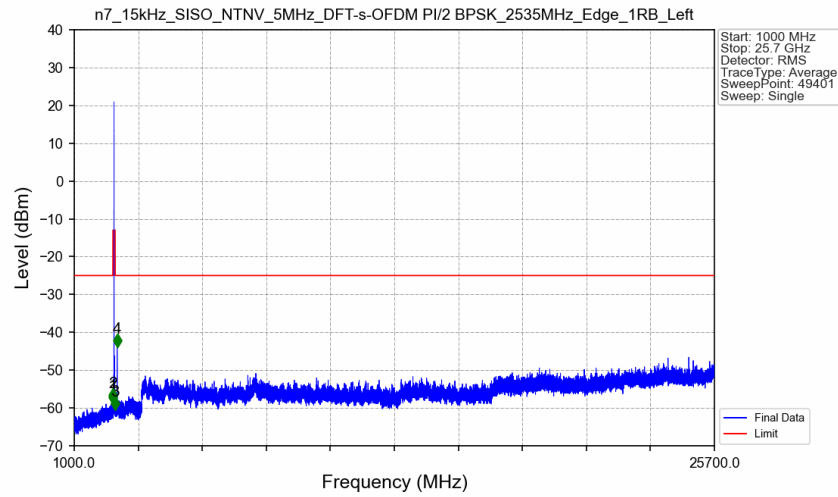


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.972	-52.14	-25	Pass
2490.5	2495	1	CHP	2	2494.157	-42.94	-13	Pass
2495	2496	1	CHP	3	2495.980	-38.05	-13	Pass
2496	2499	1	CHP	4	2498.500	-33.51	-10	Pass
2499	2500	0.108	CHP	5	2499.940	-22.25	-10	Pass
2500	2507.5	0.108	CHP	/	/	/	/	/

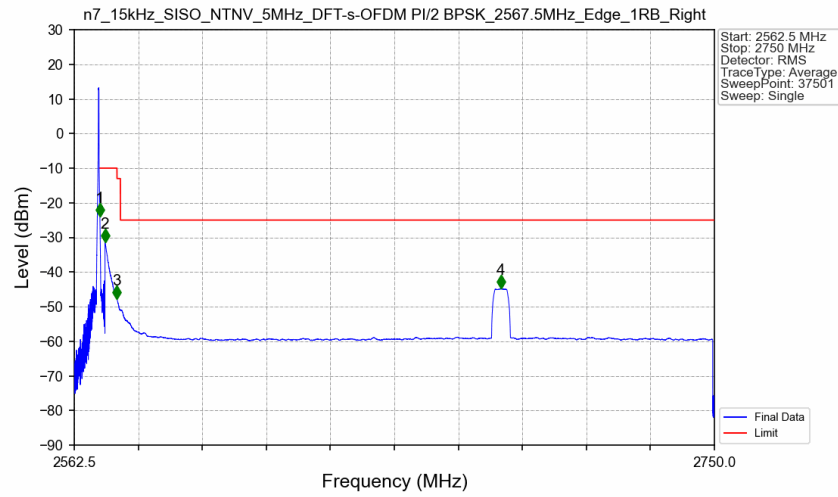
n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2535MHz Edge 1RB Left Ant1



n7 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 2535MHz Edge 1RB Left Ant1

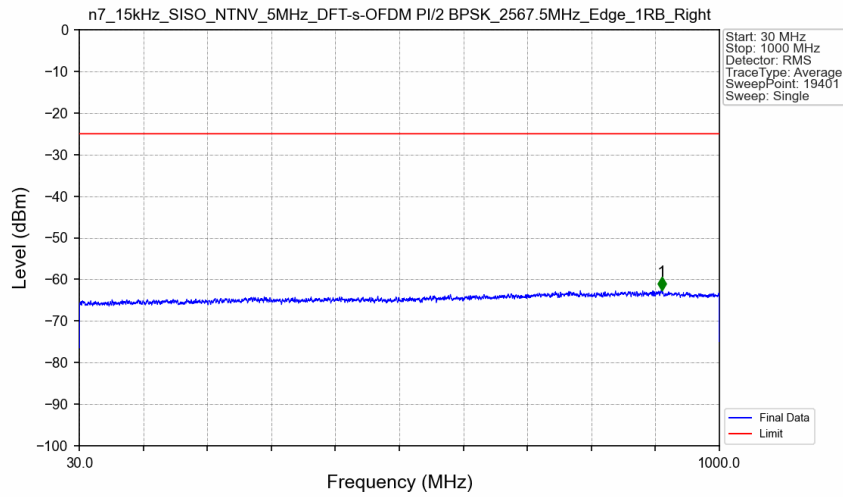


n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_2567.5MHz_Edge_1RB_Right_Ant1



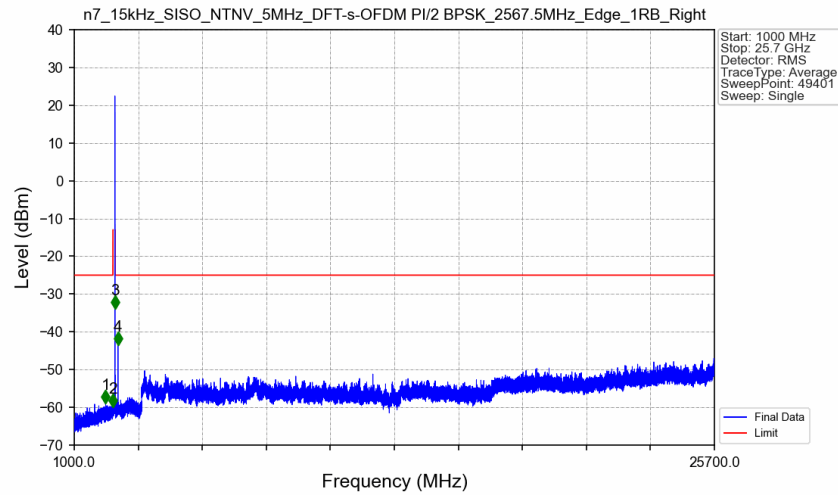
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-23.96	-10	Pass
2571	2575	1	CHP	2	2571.500	-31.27	-10	Pass
2575	2576	1	CHP	3	2575.010	-47.70	-13	Pass
2576	2750	1	CHP	4	2687.505	-44.79	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_2567.5MHz_Edge_1RB_Right_Ant1

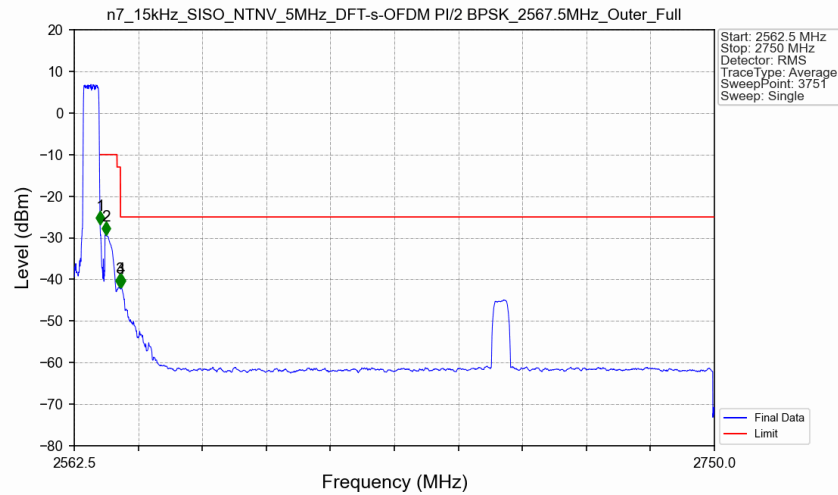


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	912.350	-62.64	-25	Pass

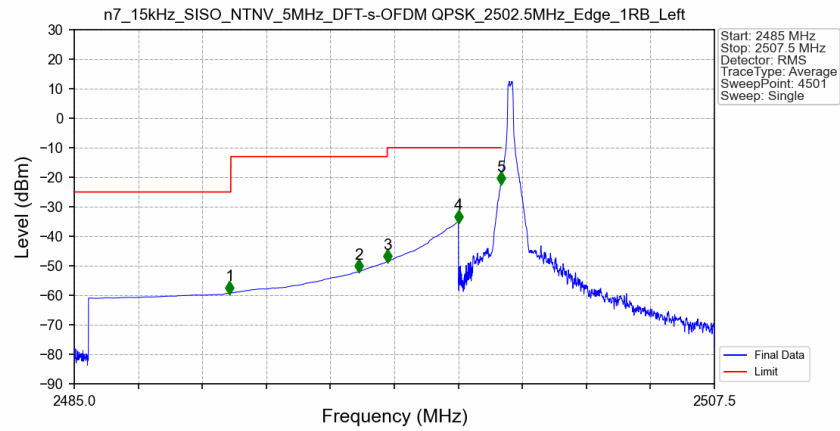
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_2567.5MHz_Edge_1RB_Right_Ant1



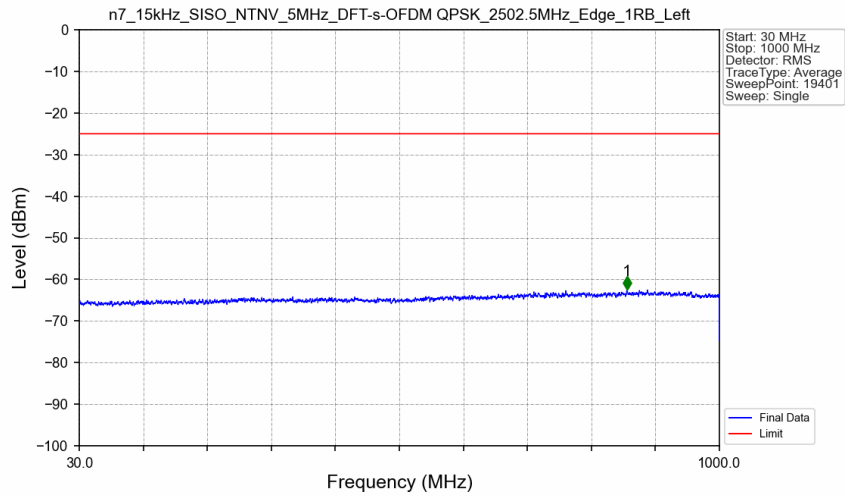
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_2567.5MHz_Outer_Full_Ant1



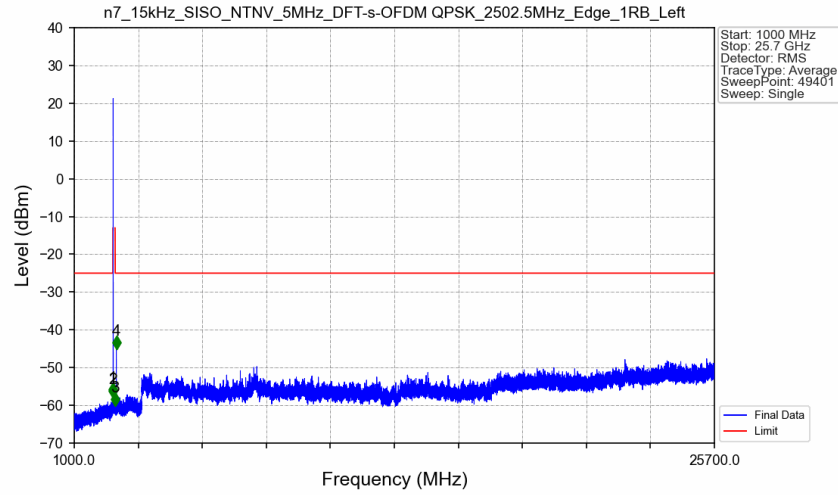
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2502.5MHz_Edge_1RB_Left_Ant1



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2502.5MHz_Edge_1RB_Left_Ant1

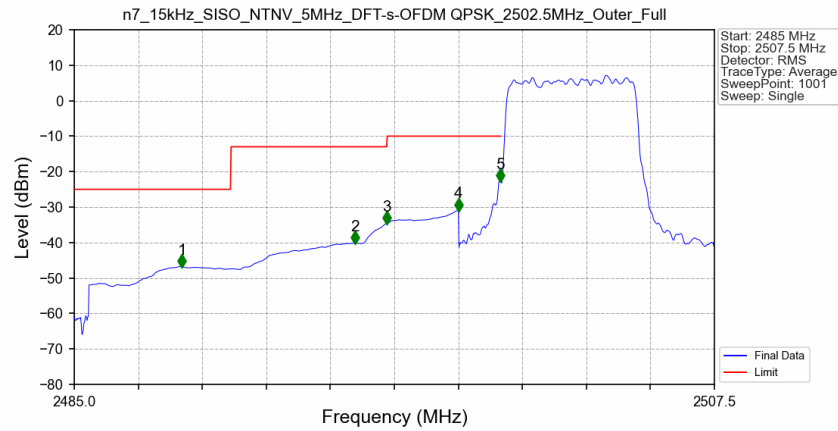


n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2502.5MHz_Edge_1RB_Left_Ant1



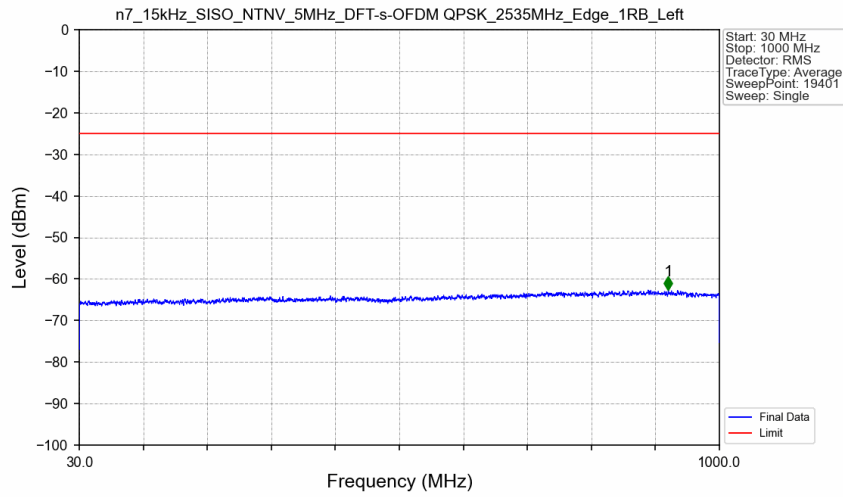
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2487.500	-57.48	-25	Pass
2490.5	2495	1	/	2	2491.500	-57.85	-13	Pass
2495	2575	1	/	/	/	/	/	/
2575	2576	1	/	3	2576.000	-60.11	-13	Pass
2576	25700	1	/	4	2622.000	-45.18	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2502.5MHz_Outer_Full_Ant1

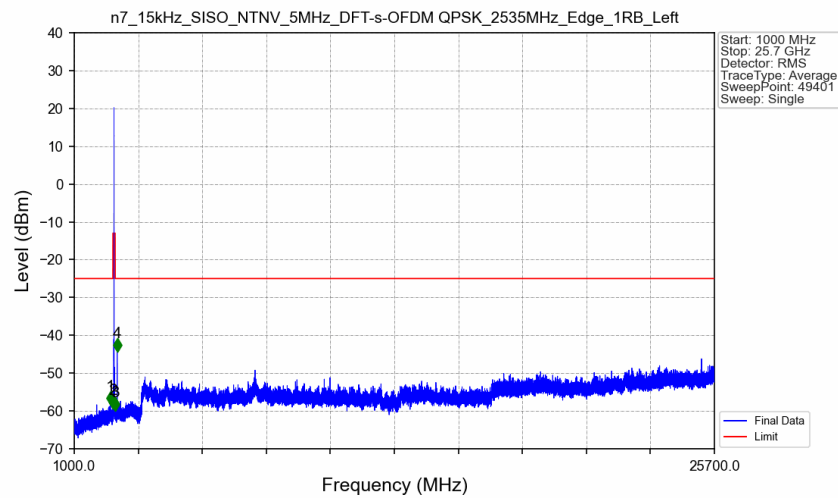


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.780	-46.73	-25	Pass
2490.5	2495	1	CHP	2	2494.878	-40.13	-13	Pass
2495	2496	1	CHP	3	2495.980	-34.58	-13	Pass
2496	2499	1	CHP	4	2498.500	-30.85	-10	Pass
2499	2500	0.108	CHP	5	2499.963	-22.62	-10	Pass
2500	2507.5	0.108	CHP	/	/	/	/	/

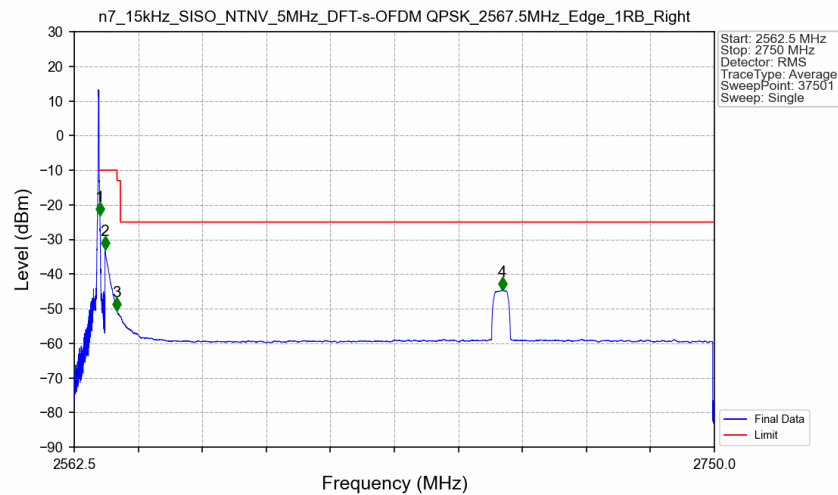
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2535MHz_Edge_1RB_Left_Ant1



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2535MHz_Edge_1RB_Left_Ant1

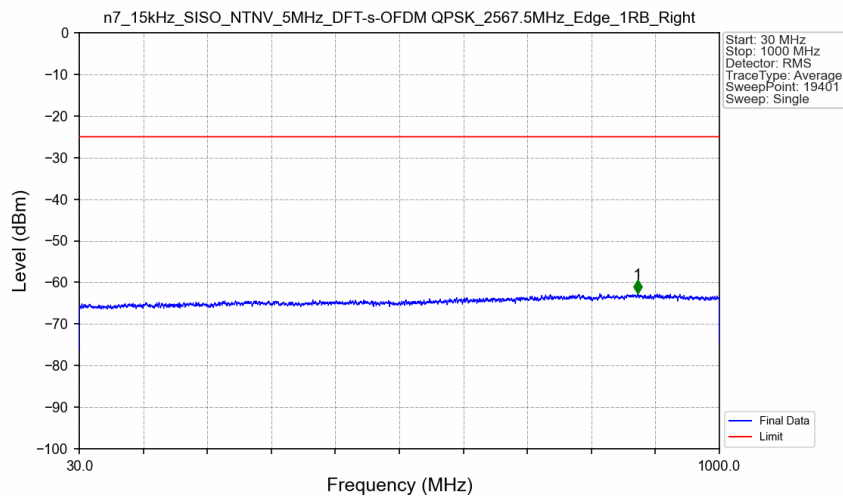


n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2567.5MHz_Edge_1RB_Right_Ant1



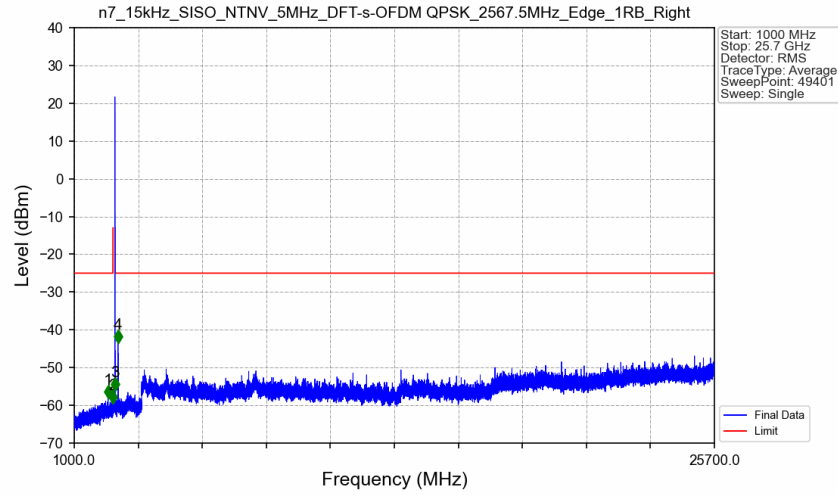
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-23.06	-10	Pass
2571	2575	1	CHP	2	2571.500	-32.93	-10	Pass
2575	2576	1	CHP	3	2575.005	-50.57	-13	Pass
2576	2750	1	CHP	4	2687.875	-44.69	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2567.5MHz_Edge_1RB_Right_Ant1

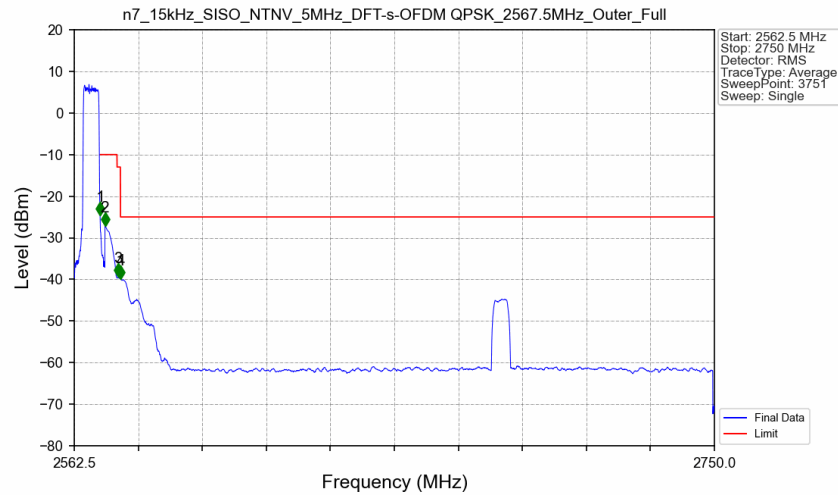


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	875.850	-62.59	-25	Pass

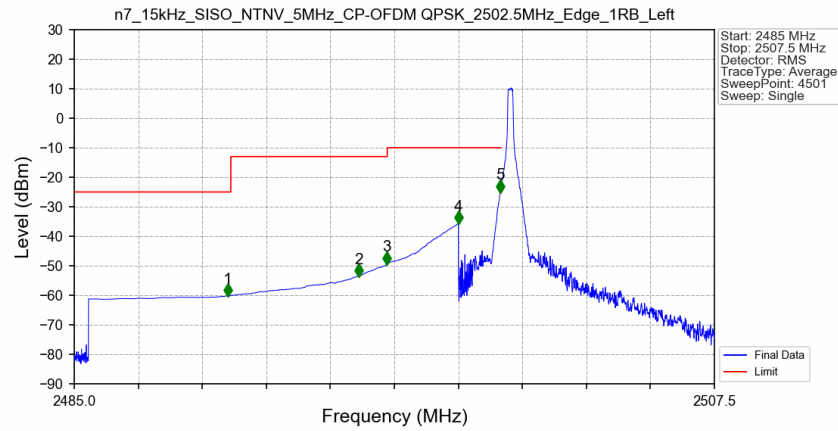
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2567.5MHz_Edge_1RB_Right_Ant1



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_2567.5MHz_Outer_Full_Ant1

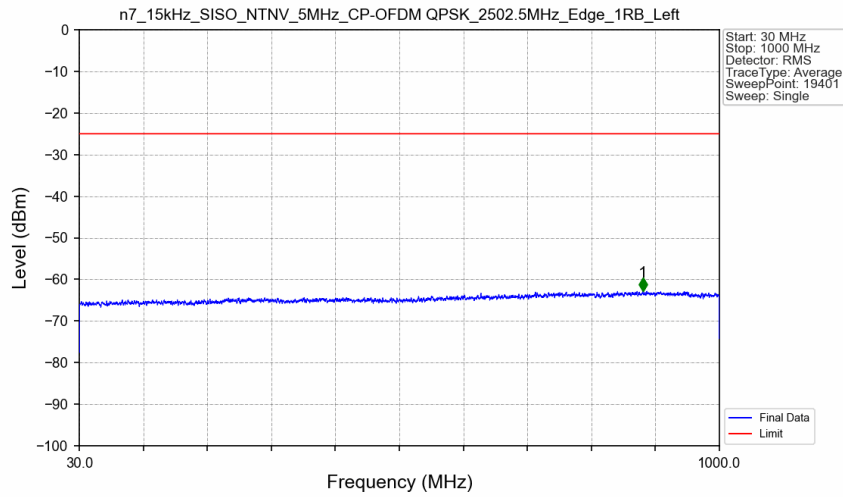


n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2502.5MHz_Edge_1RB_Left_Ant1



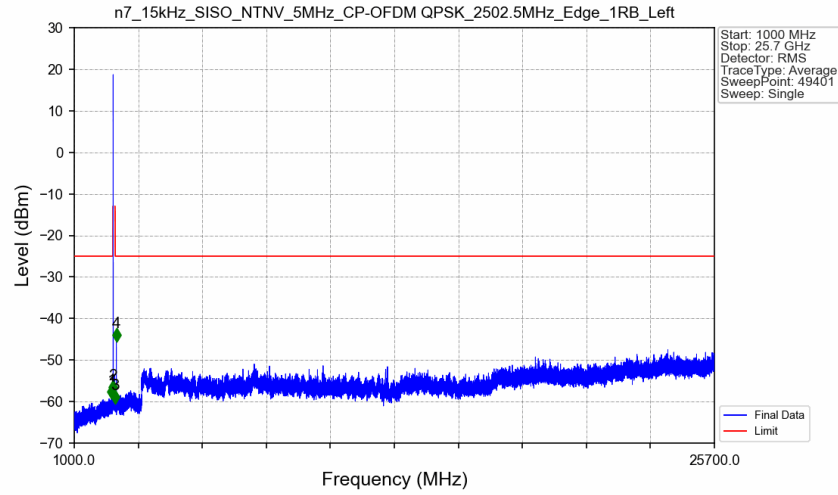
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.390	-60.15	-25	Pass
2490.5	2495	1	CHP	2	2494.995	-53.40	-13	Pass
2495	2496	1	CHP	3	2495.985	-49.26	-13	Pass
2496	2499	1	CHP	4	2498.500	-35.56	-10	Pass
2499	2500	0.02	CHP	5	2499.980	-24.86	-10	Pass
2500	2507.5	0.02	CHP	/	/	/	/	/

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2502.5MHz_Edge_1RB_Left_Ant1

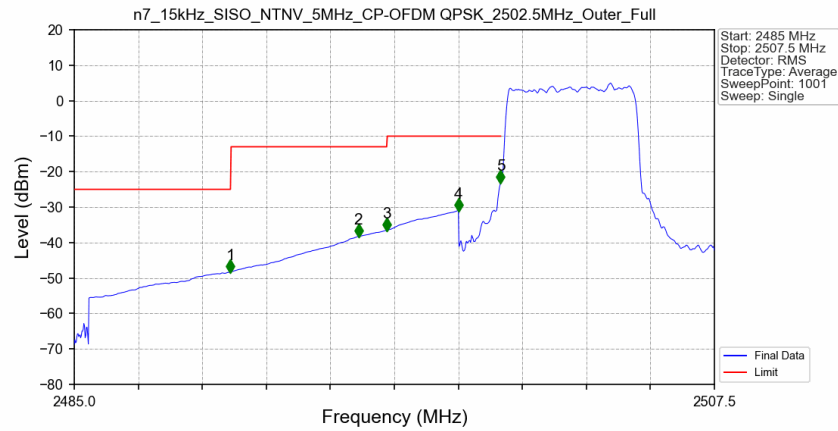


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	884.150	-62.75	-25	Pass

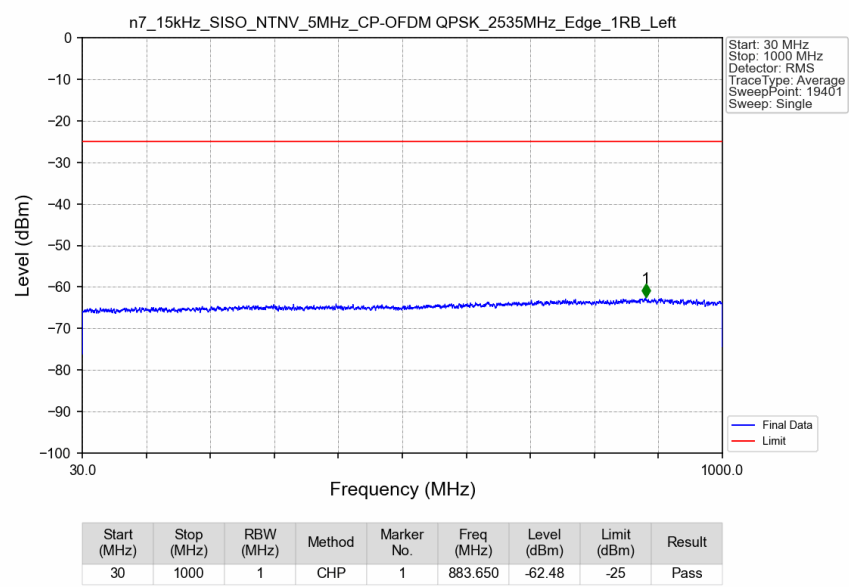
n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2502.5MHz_Edge_1RB_Left_Ant1



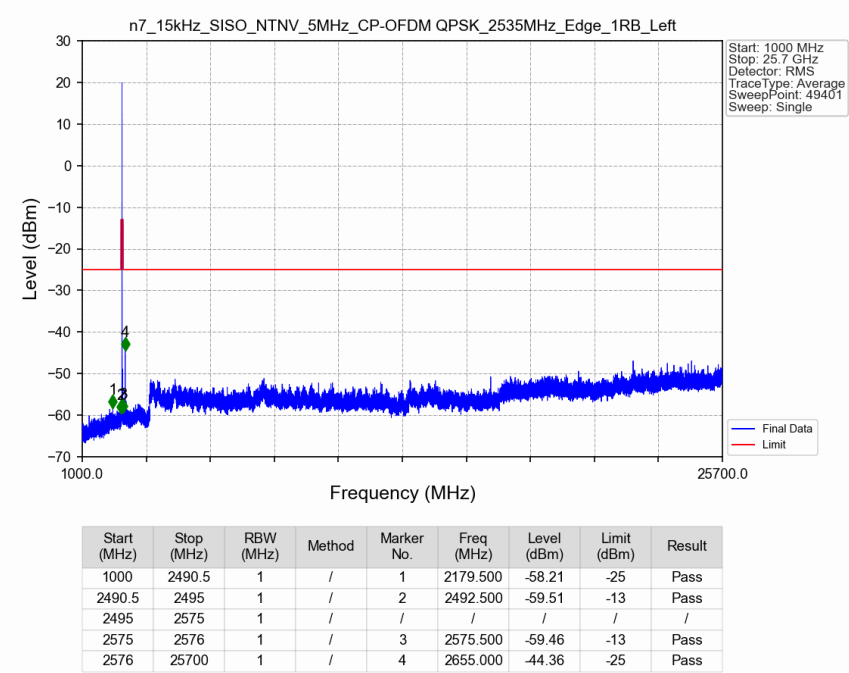
n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2502.5MHz_Outer_Full_Ant1



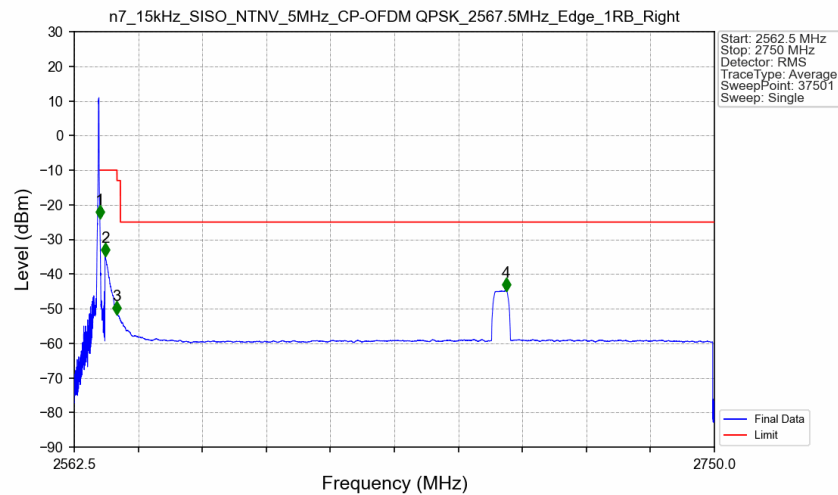
n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2535MHz_Edge_1RB_Left Ant1



n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2535MHz_Edge_1RB_Left Ant1

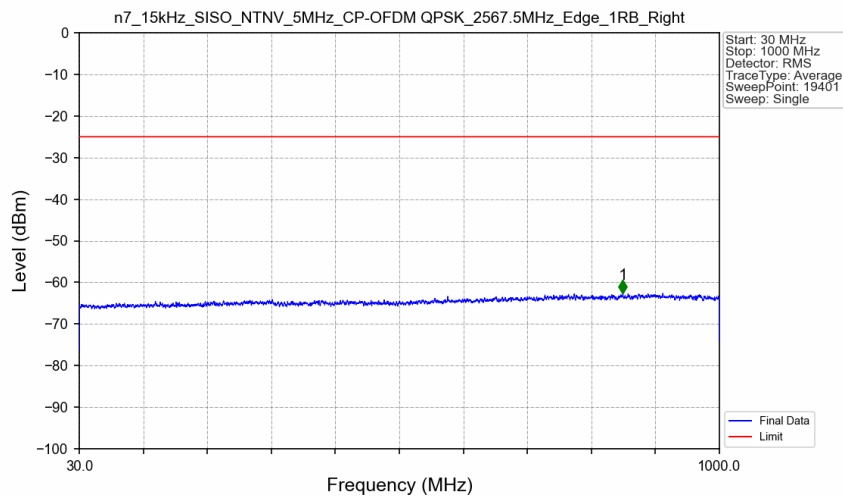


n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2567.5MHz_Edge_1RB_Right_Ant1



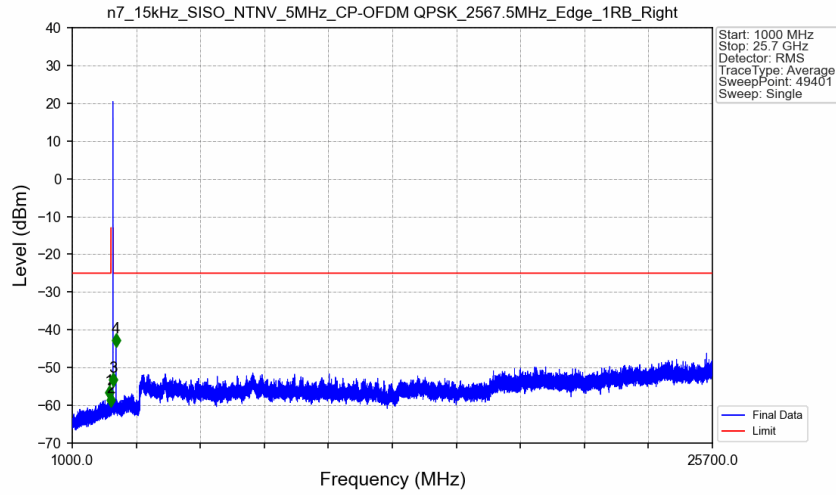
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-23.84	-10	Pass
2571	2575	1	CHP	2	2571.540	-34.84	-10	Pass
2575	2576	1	CHP	3	2575.005	-51.70	-13	Pass
2576	2750	1	CHP	4	2689.060	-44.85	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2567.5MHz_Edge_1RB_Right_Ant1



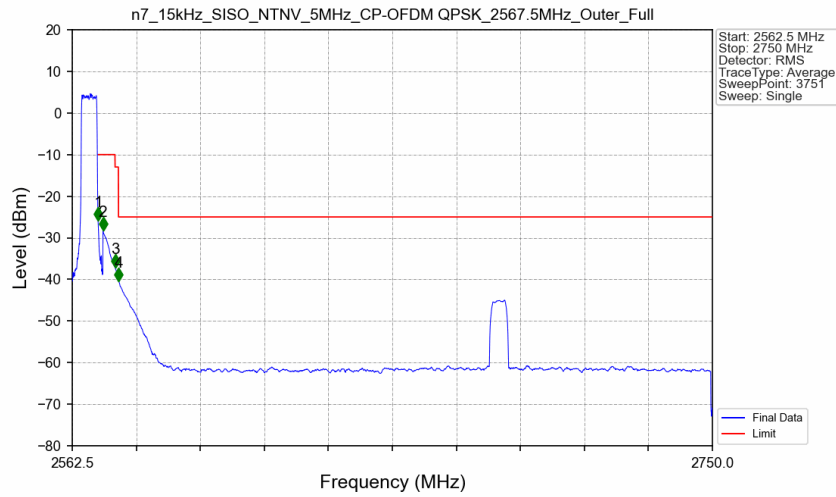
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	853.550	-62.54	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2567.5MHz_Edge_1RB_Right_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2490.5	1	/	1	2419.500	-58.30	-25	Pass
2490.5	2495	1	/	2	2493.500	-60.29	-13	Pass
2495	2575	1	/	/	/	/	/	/
2575	2576	1	/	3	2575.500	-54.94	-13	Pass
2576	25700	1	/	4	2687.000	-44.46	-25	Pass

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2567.5MHz_Outer_Full_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.106	CHP	/	/	/	/	/
2570	2571	0.106	CHP	1	2570.050	-25.92	-10	Pass
2571	2575	1	CHP	2	2571.500	-28.21	-10	Pass
2575	2576	1	CHP	3	2575.050	-37.20	-13	Pass
2576	2750	1	CHP	4	2576.050	-40.35	-25	Pass

5.2.2 15k_SISO_20MHz_NTNV

