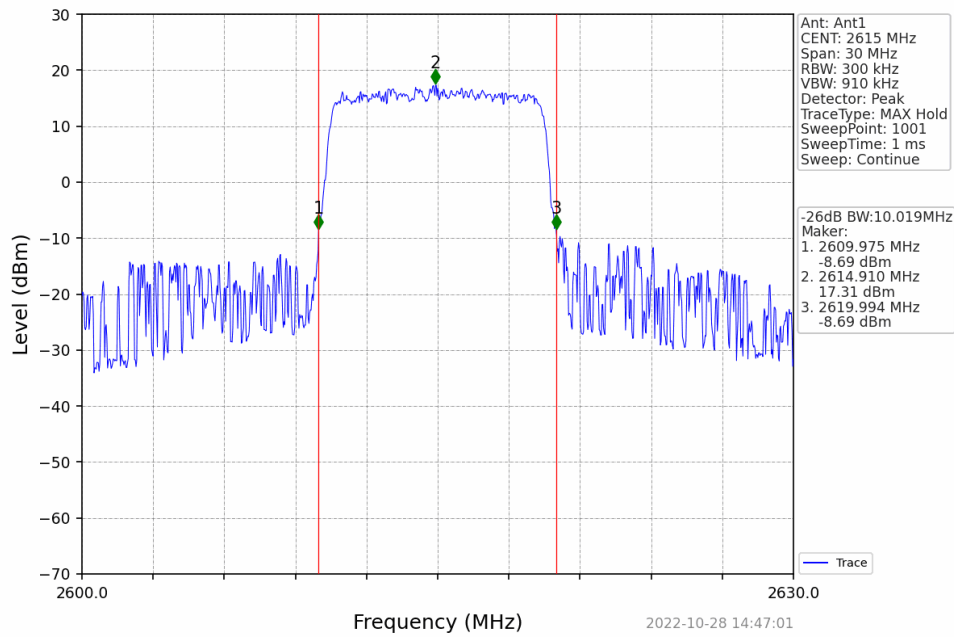
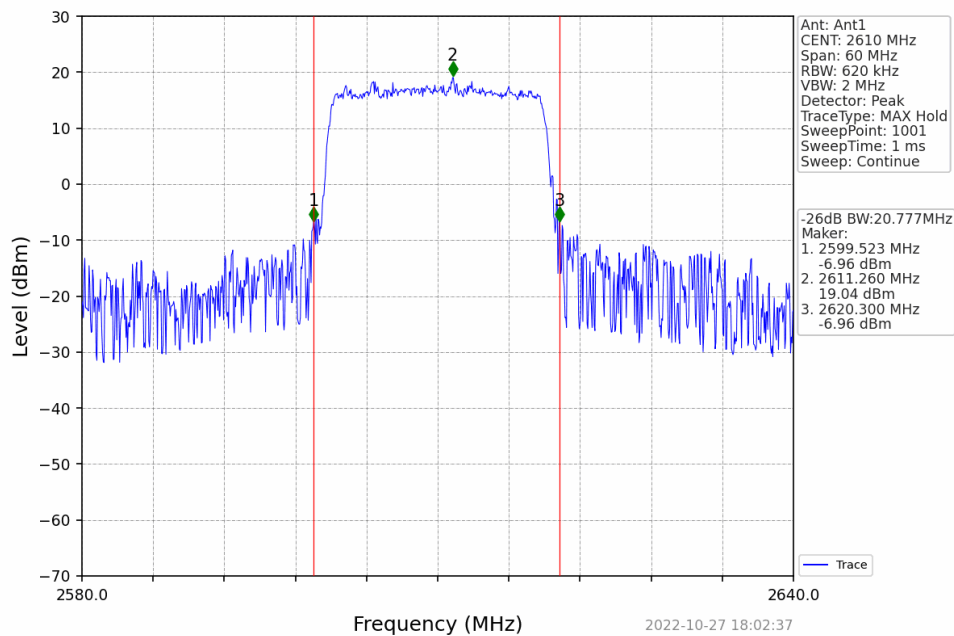




Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV

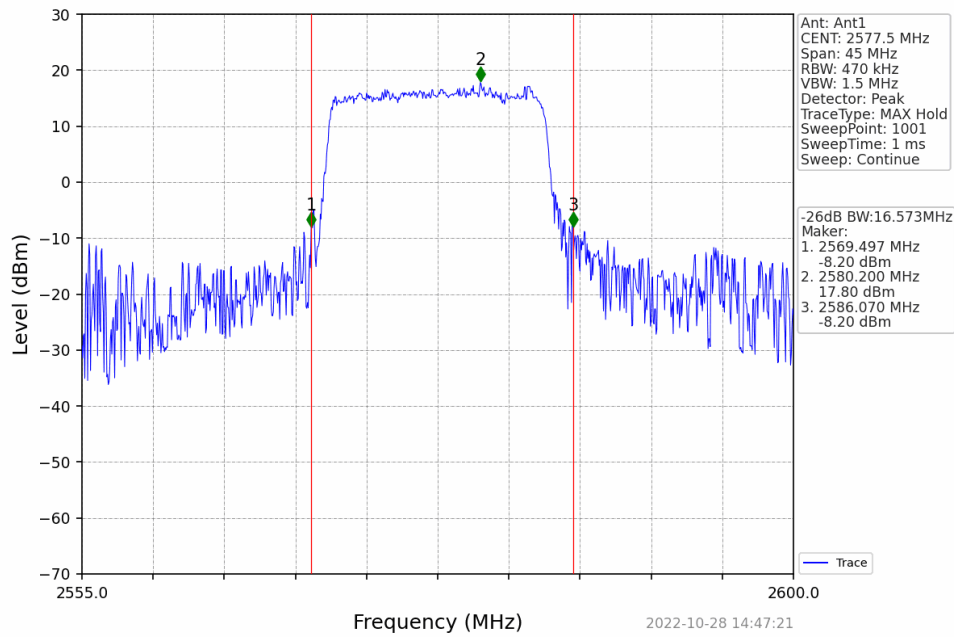


Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV

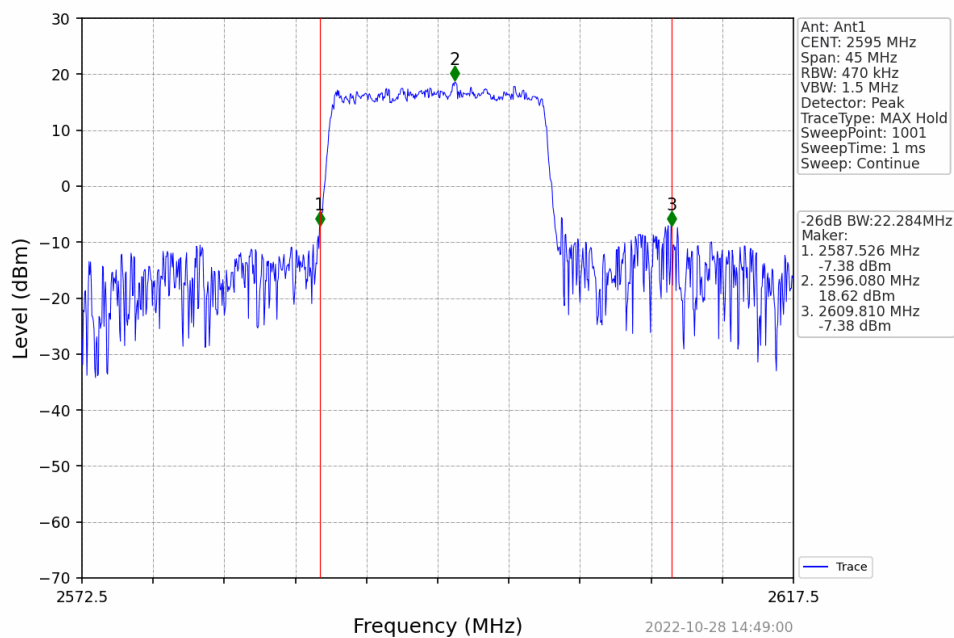




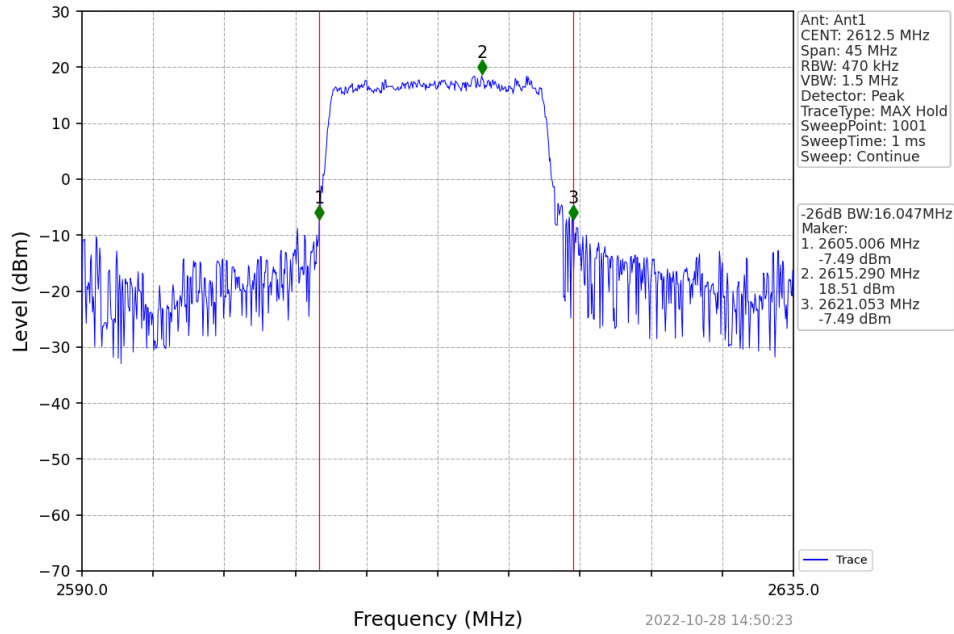
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



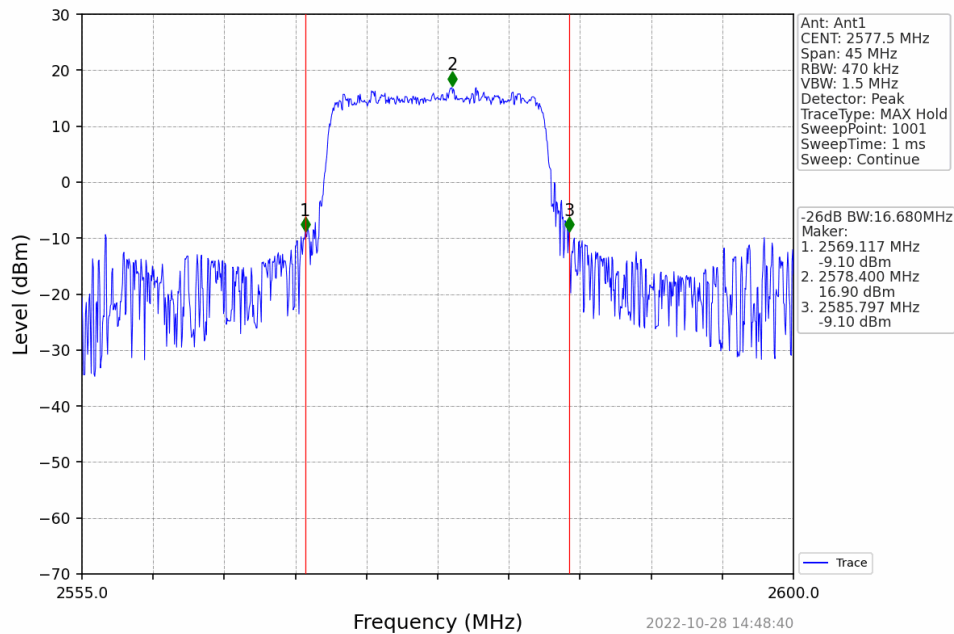
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV

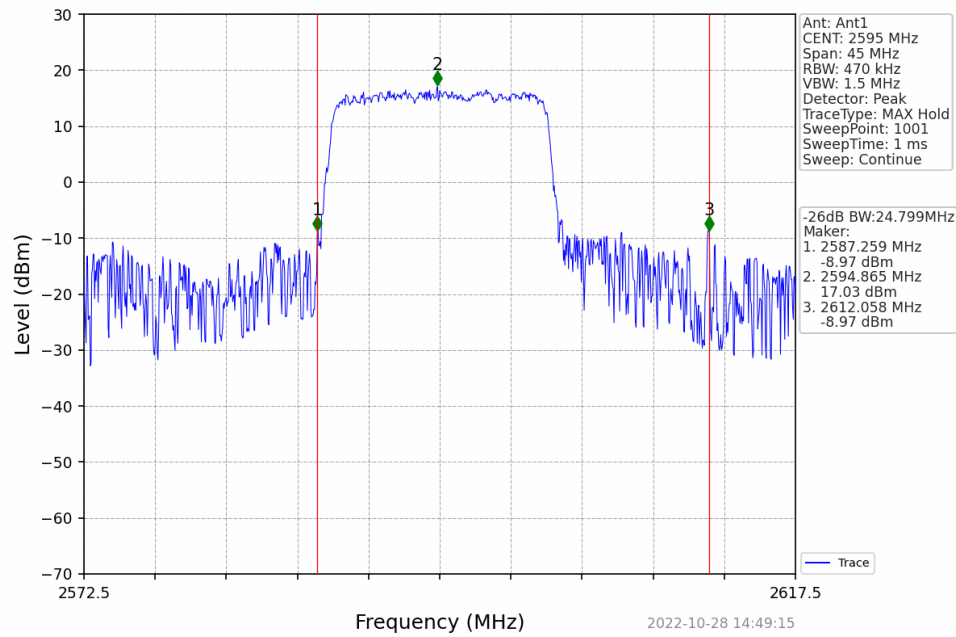


Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV

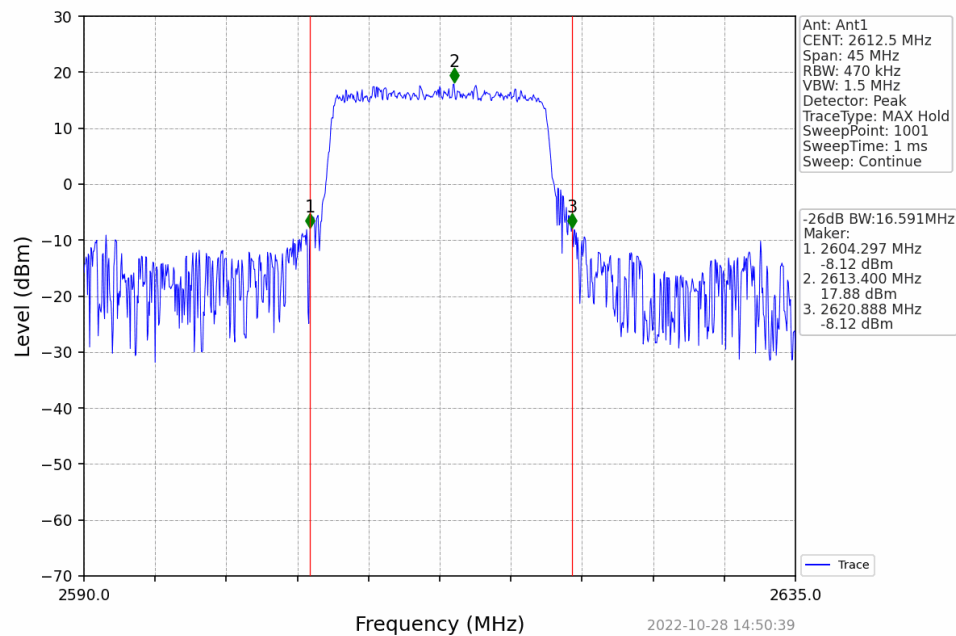




Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV

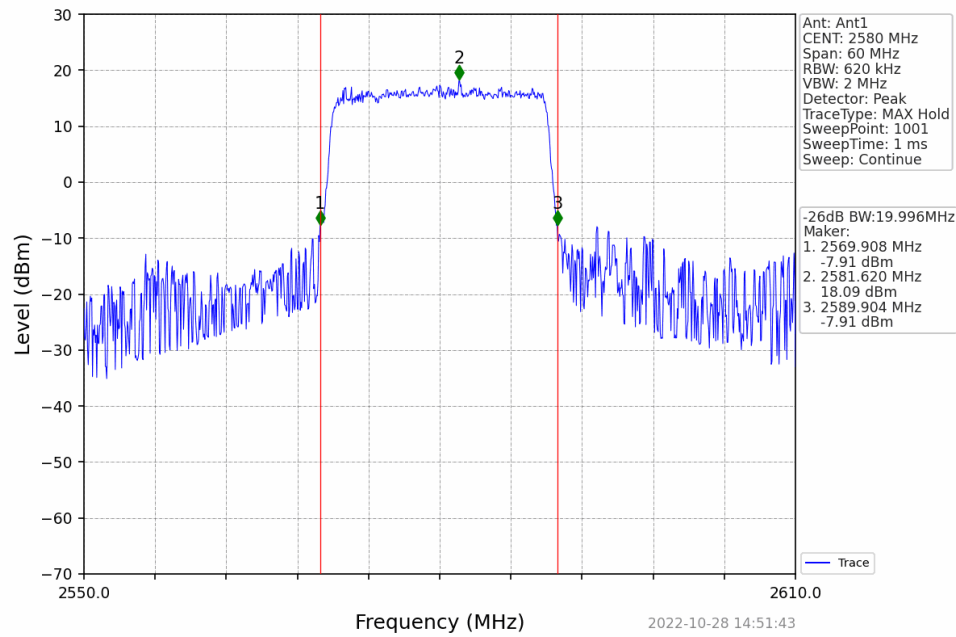


Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV

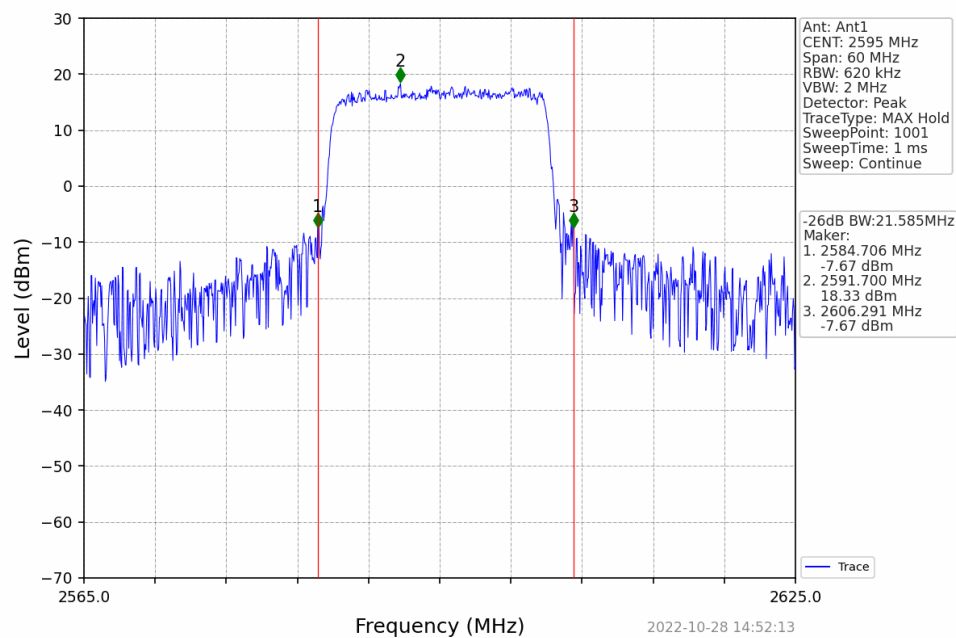




Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

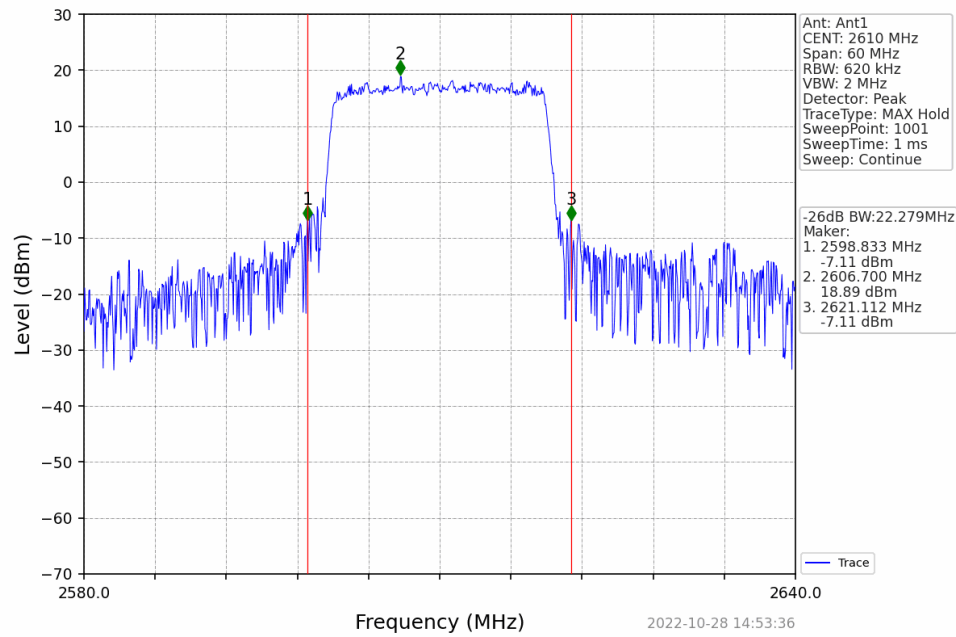


Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV

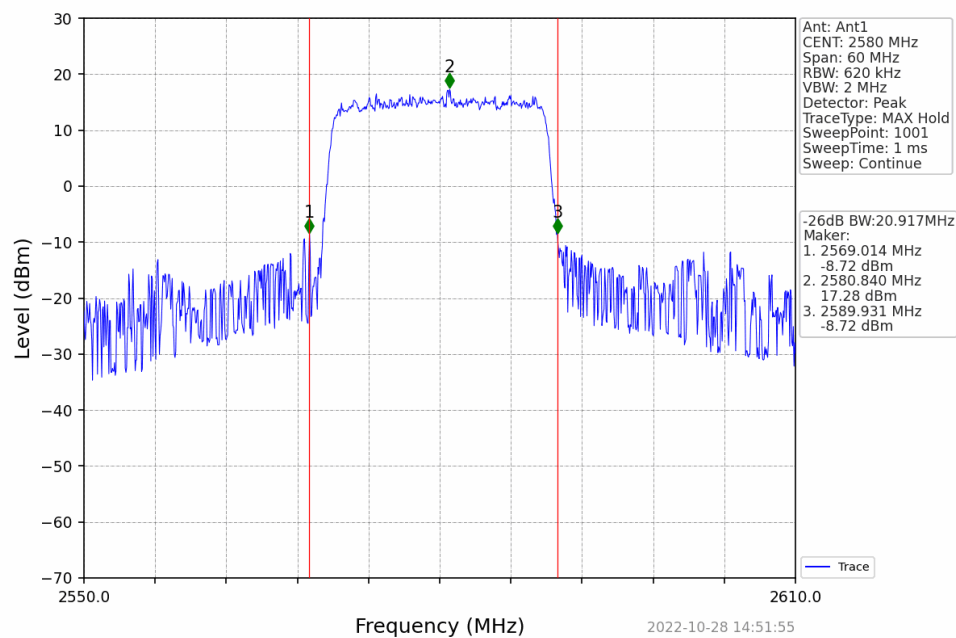




Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV

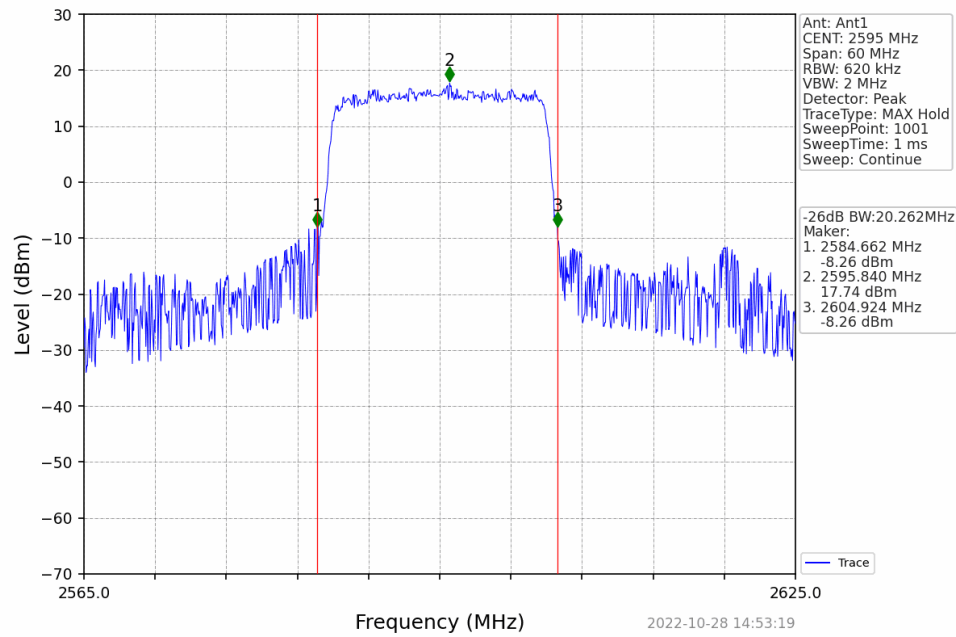


Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV

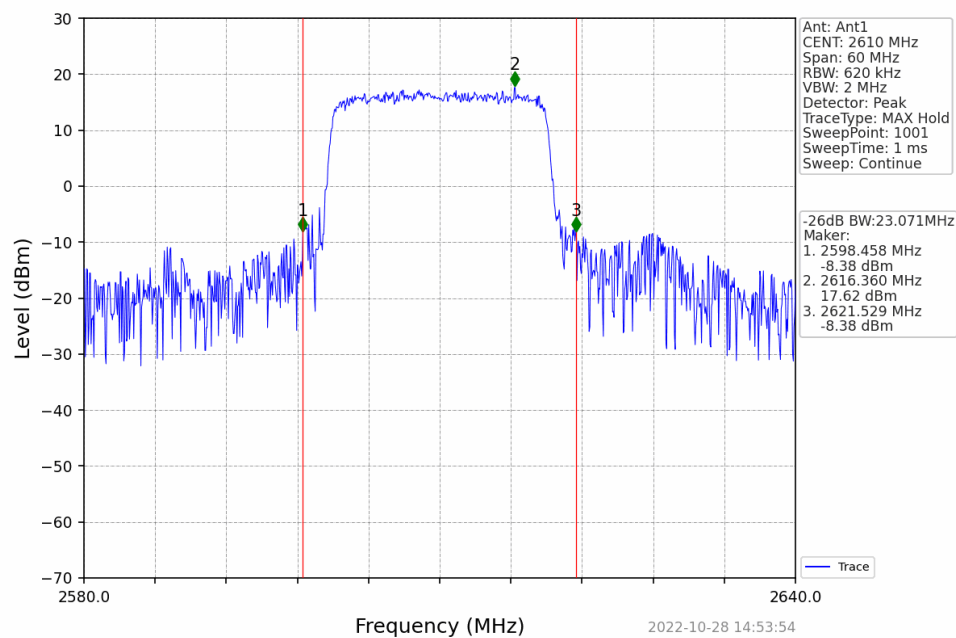




Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV





5. Peak-Average Ratio

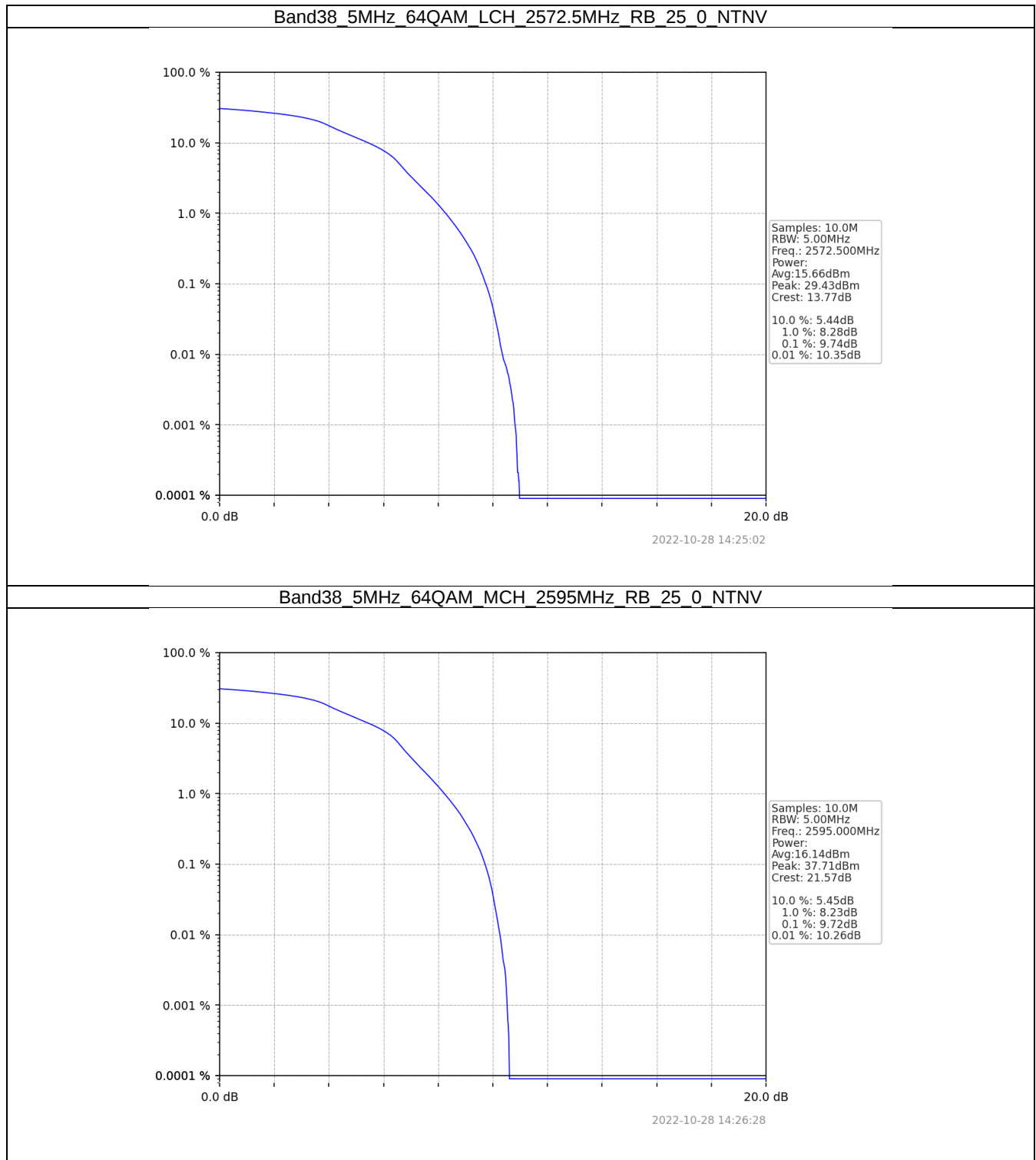
5.1 B38_5MHz

5.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	2572.5	25	0	9.74	<=13	Pass
	2595	25	0	9.72	<=13	Pass
	2617.5	25	0	12.16	<=13	Pass
QPSK	2572.5	25	0	9.13	<=13	Pass
	2595	25	0	9.05	<=13	Pass
	2617.5	25	0	8.82	<=13	Pass
16QAM	2572.5	25	0	9.75	<=13	Pass
	2595	25	0	9.77	<=13	Pass
	2617.5	25	0	9.62	<=13	Pass

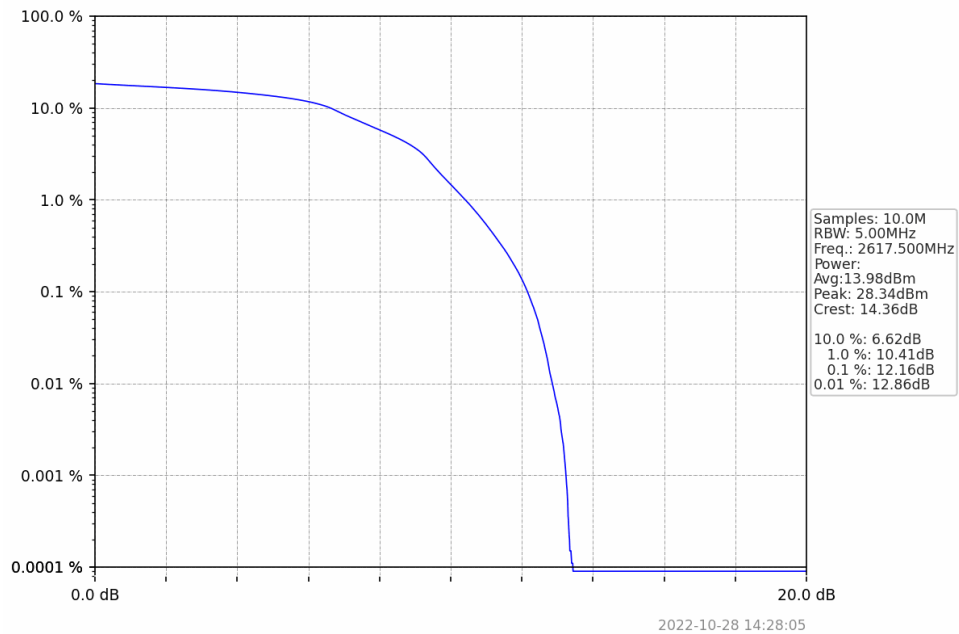


5.1.2 Test Graph

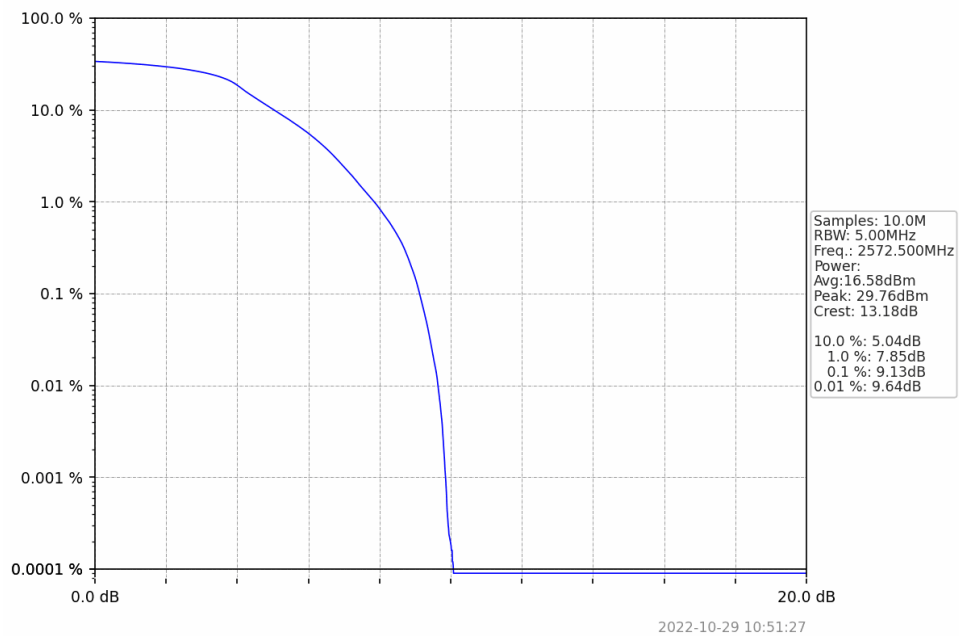




Band38_5MHz_64QAM_HCH_2617.5MHz_RB_25_0_NTNV

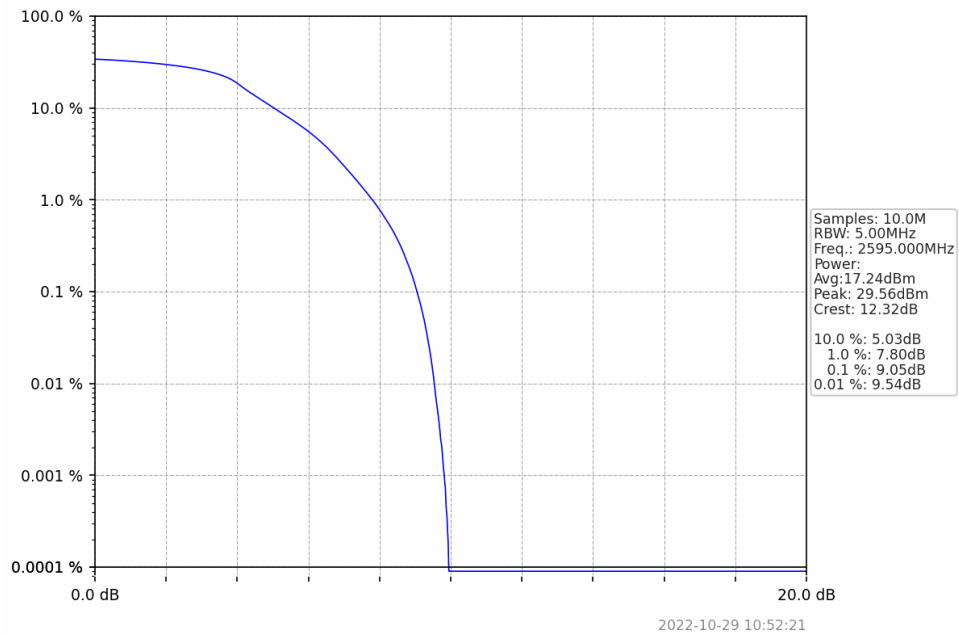


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

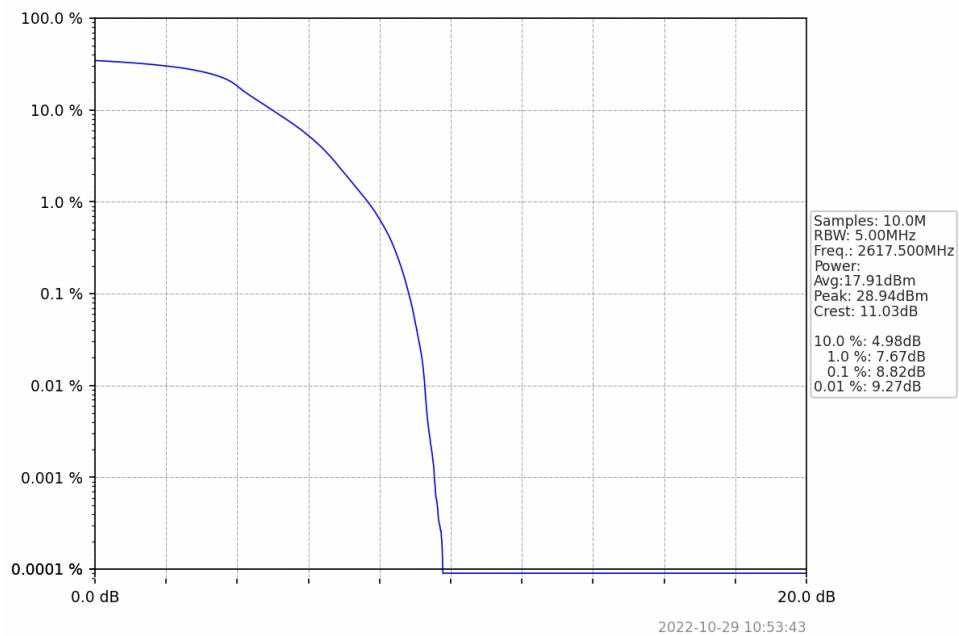




Band38_5MHz_QPSK_MCH_2595MHz_RB_25_0_NTNV

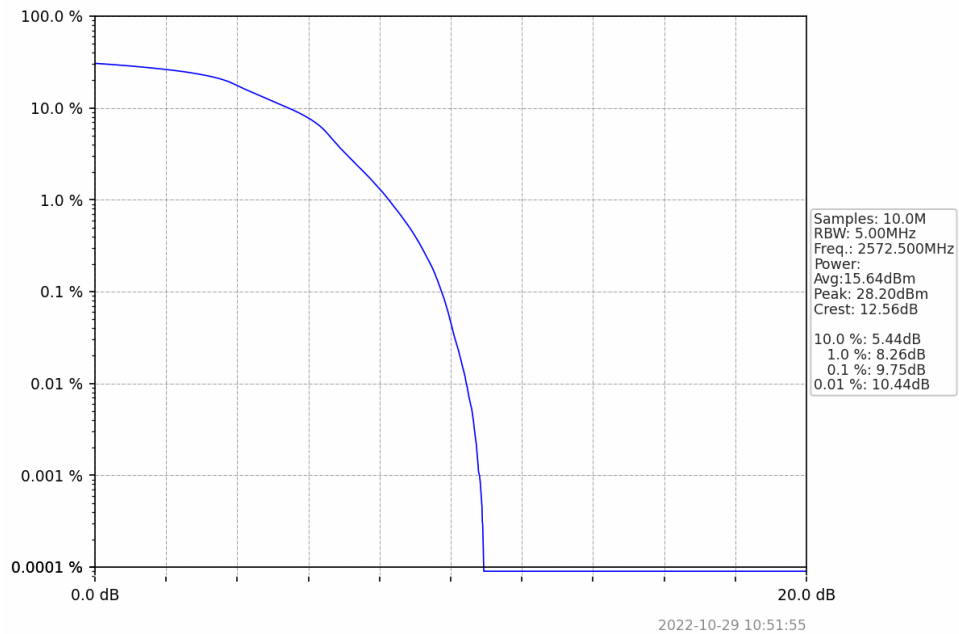


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV

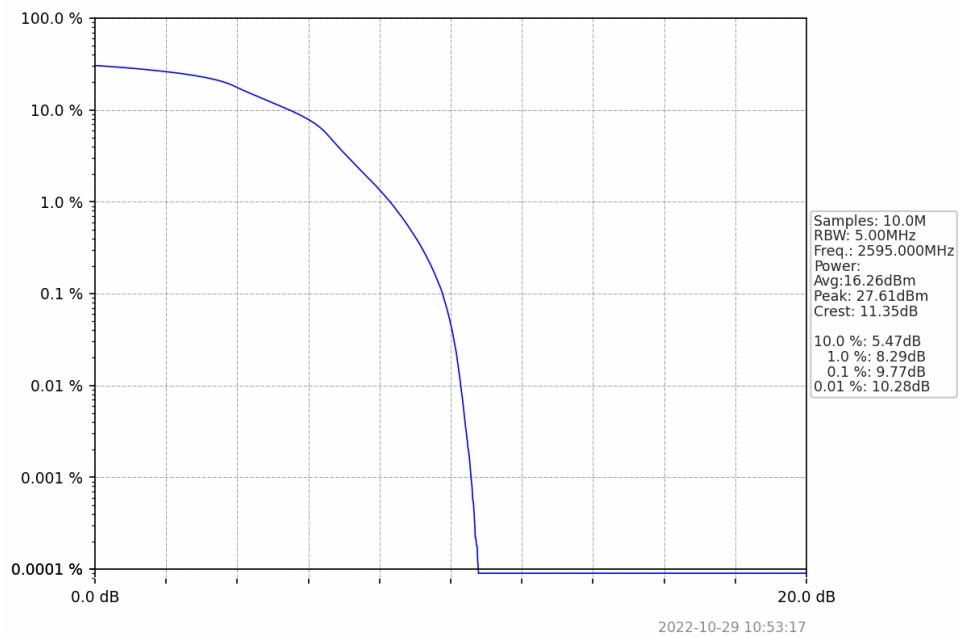


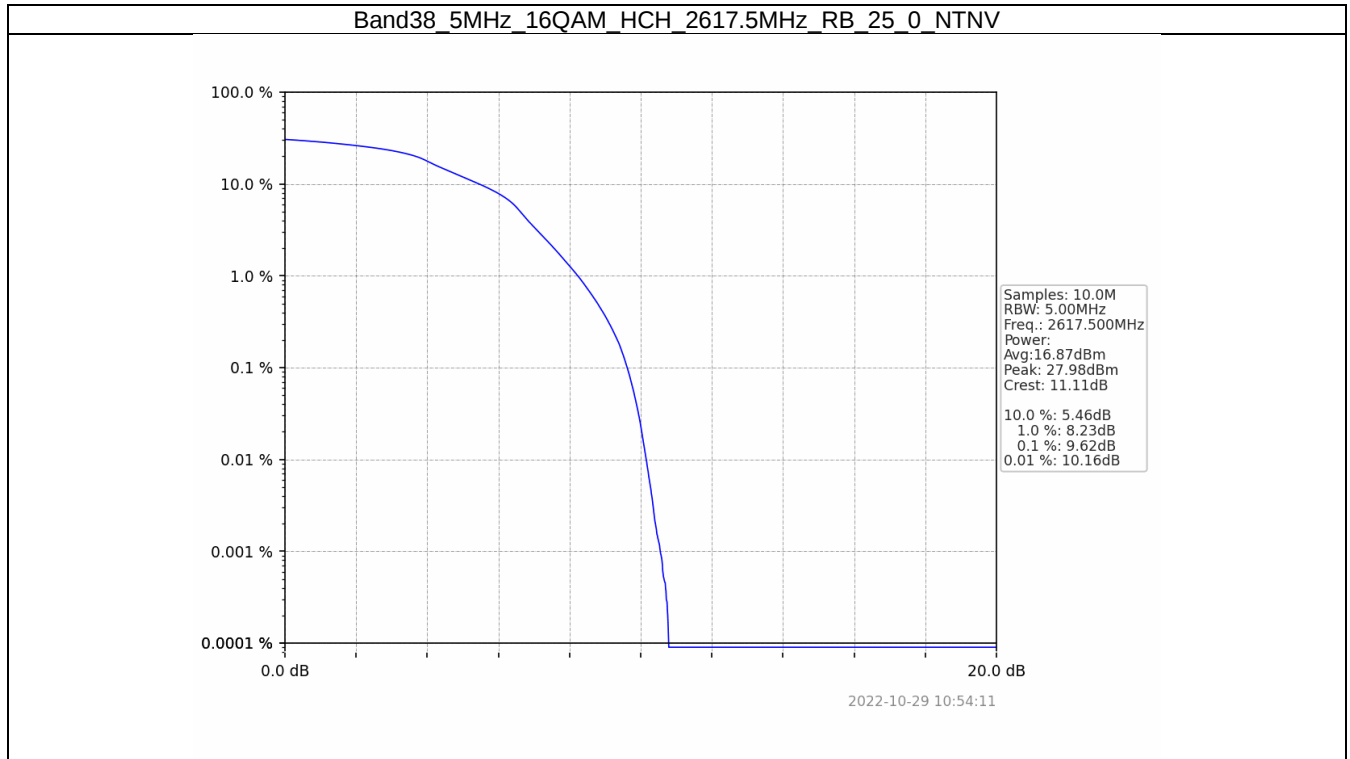


Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV







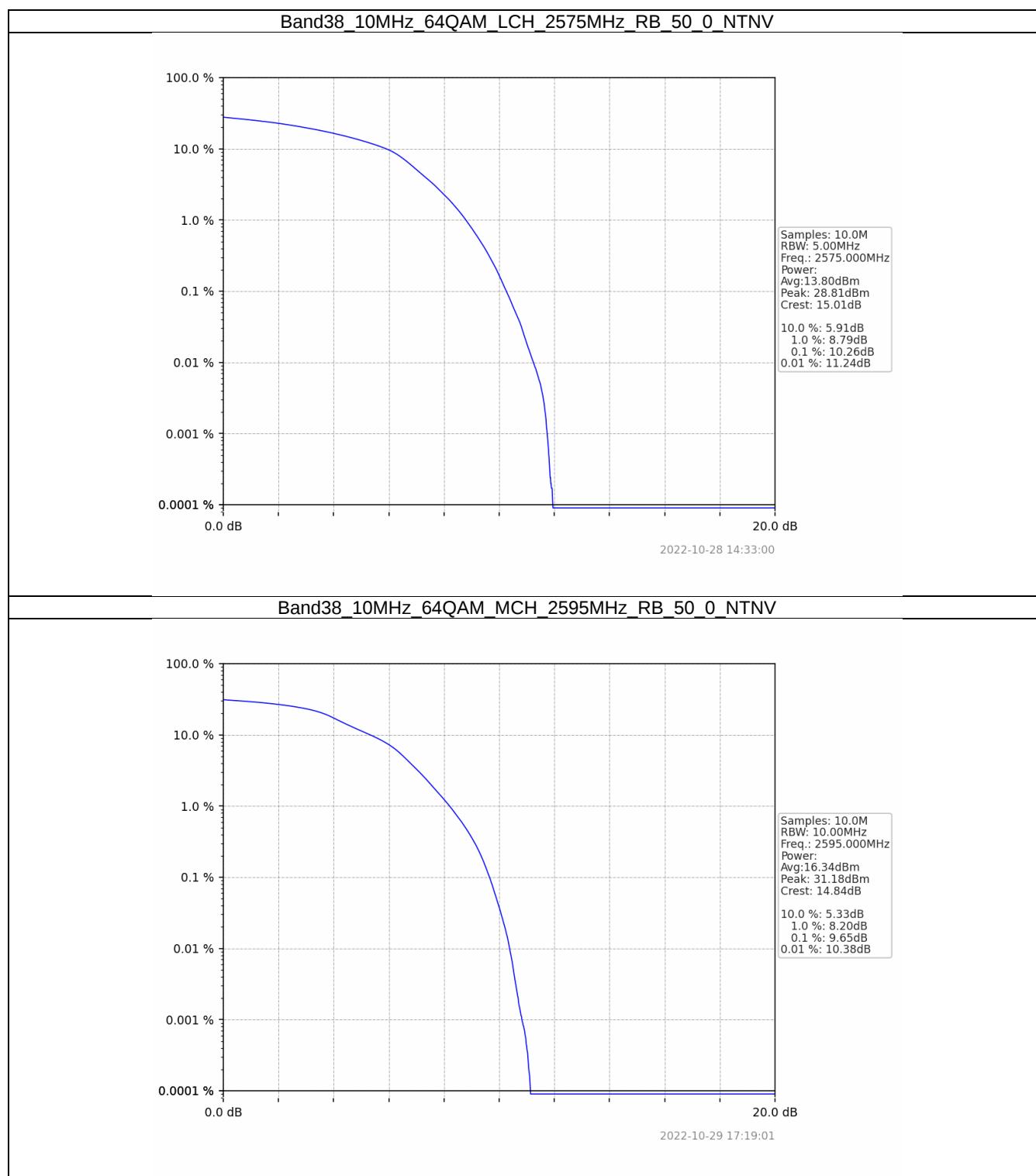
5.2 B38_10MHz

5.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	2575	50	0	10.26	<=13	Pass
	2595	50	0	9.65	<=13	Pass
	2615	50	0	9.67	<=13	Pass
QPSK	2575	50	0	8.88	<=13	Pass
	2595	50	0	9.10	<=13	Pass
	2615	50	0	8.85	<=13	Pass
16QAM	2575	50	0	10.10	<=13	Pass
	2595	50	0	9.96	<=13	Pass
	2615	50	0	9.98	<=13	Pass

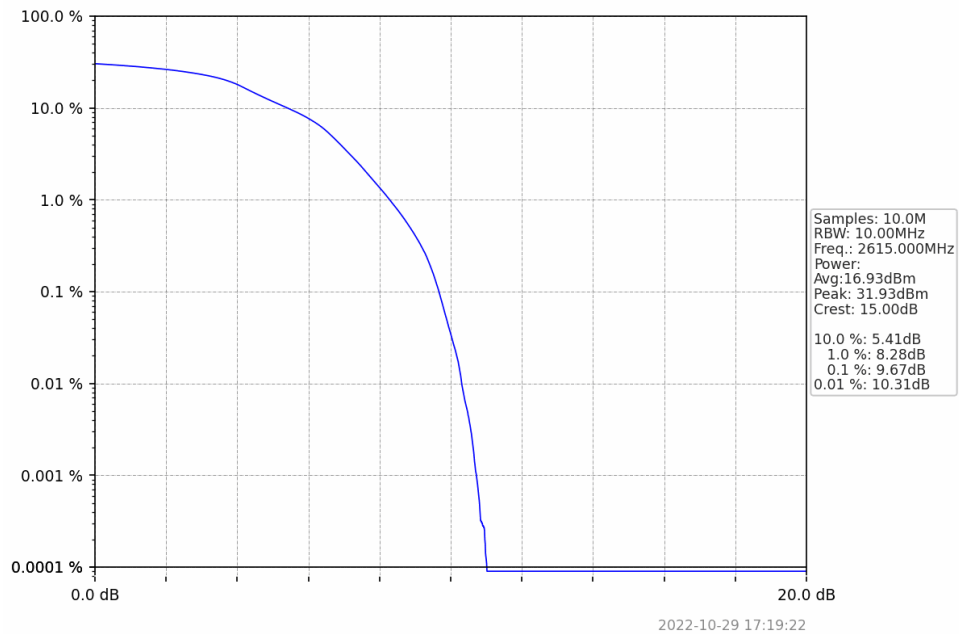


5.2.2 Test Graph

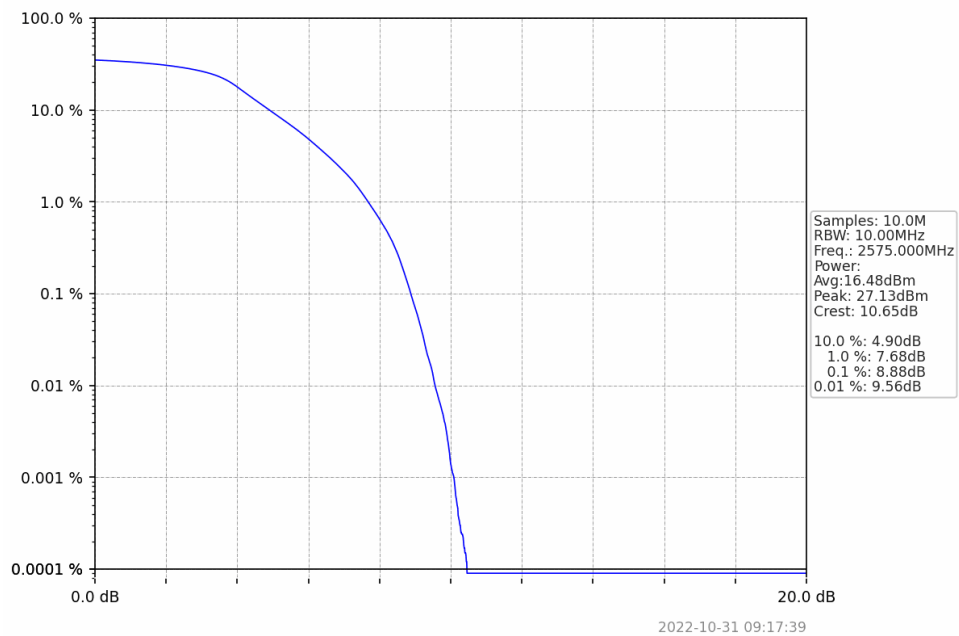




Band38_10MHz_64QAM_HCH_2615MHz_RB_50_0_NTNV

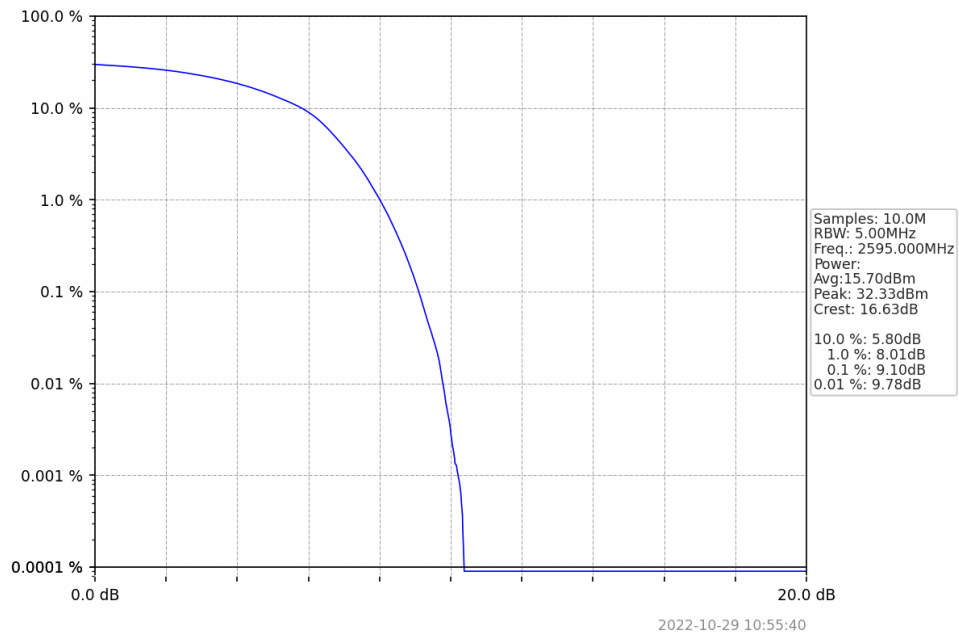


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

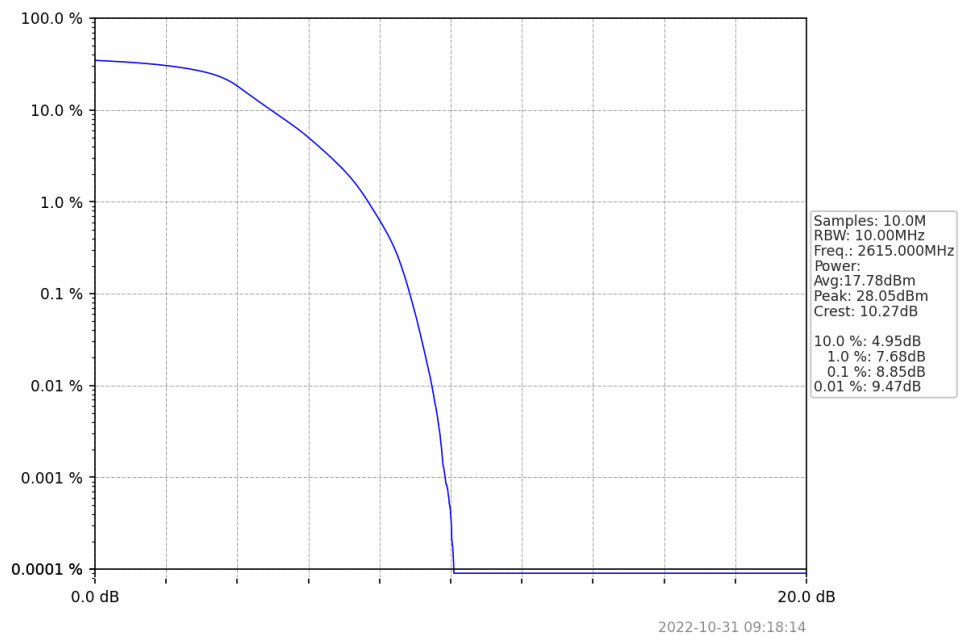




Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV

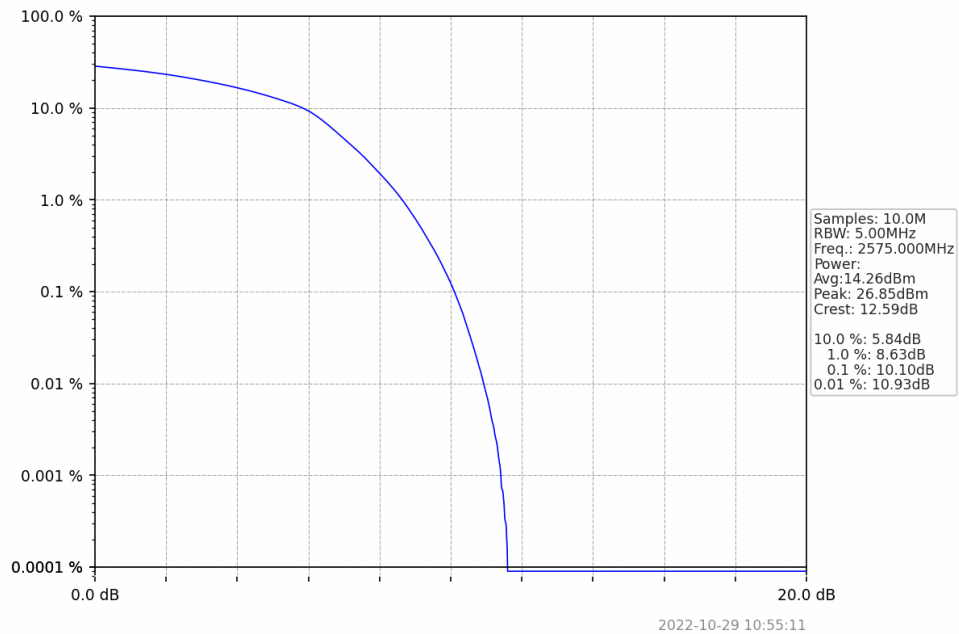


Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV

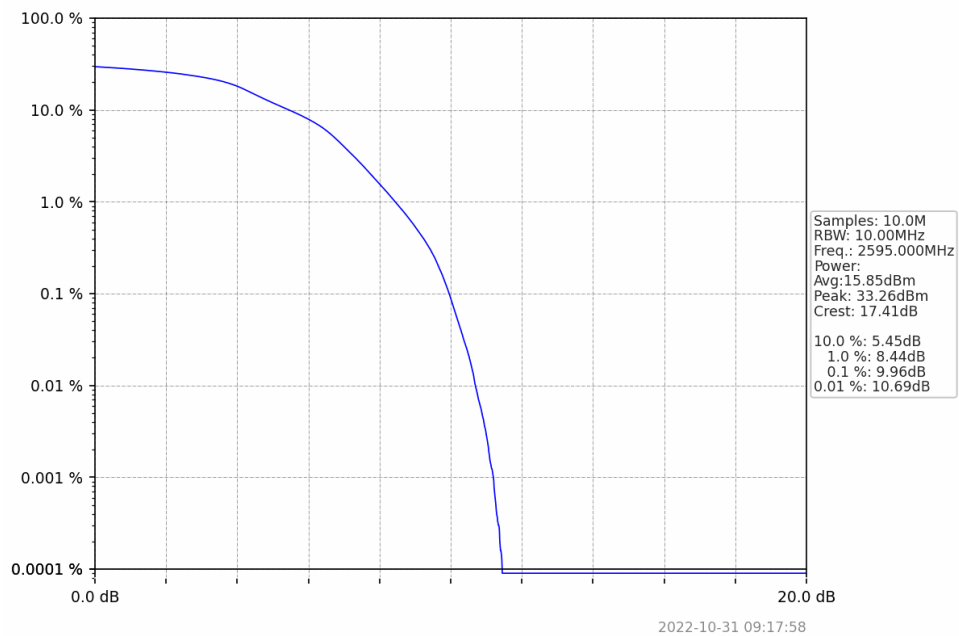


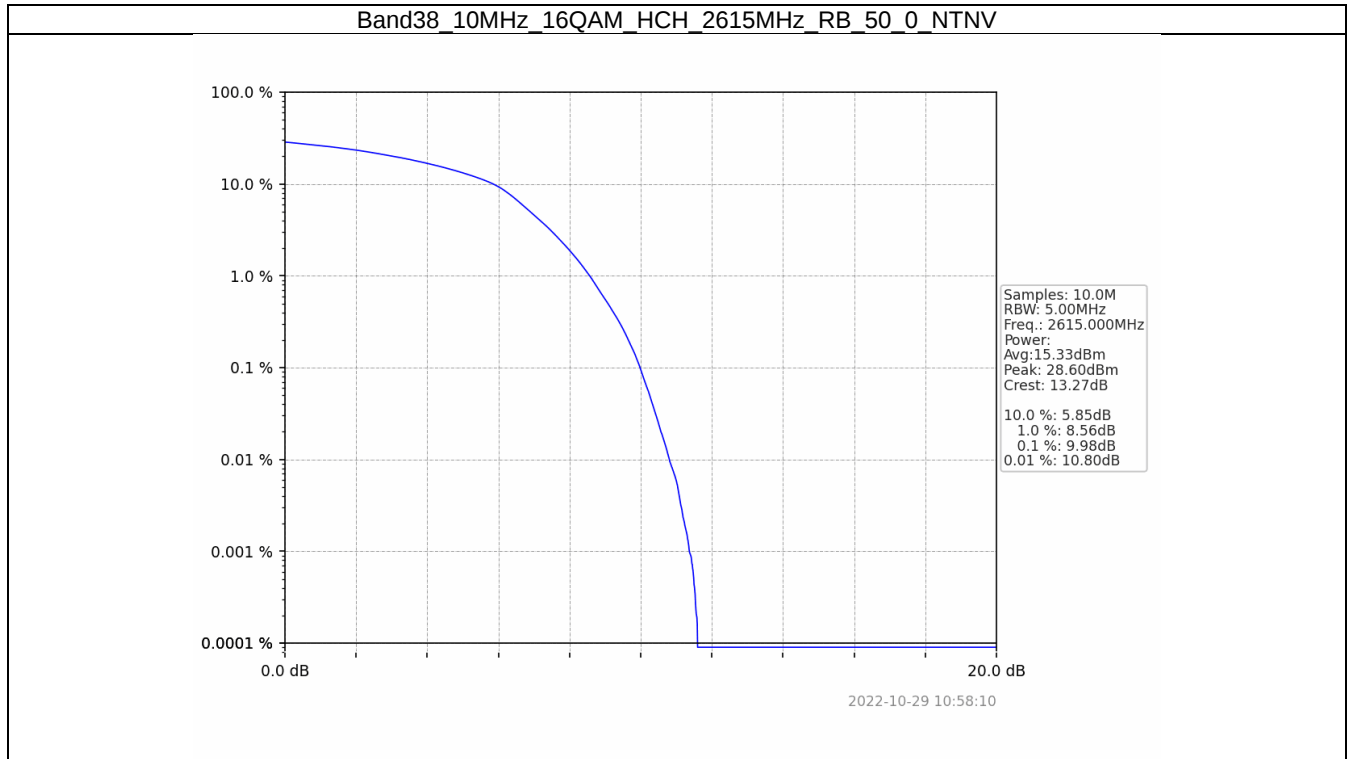


Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV







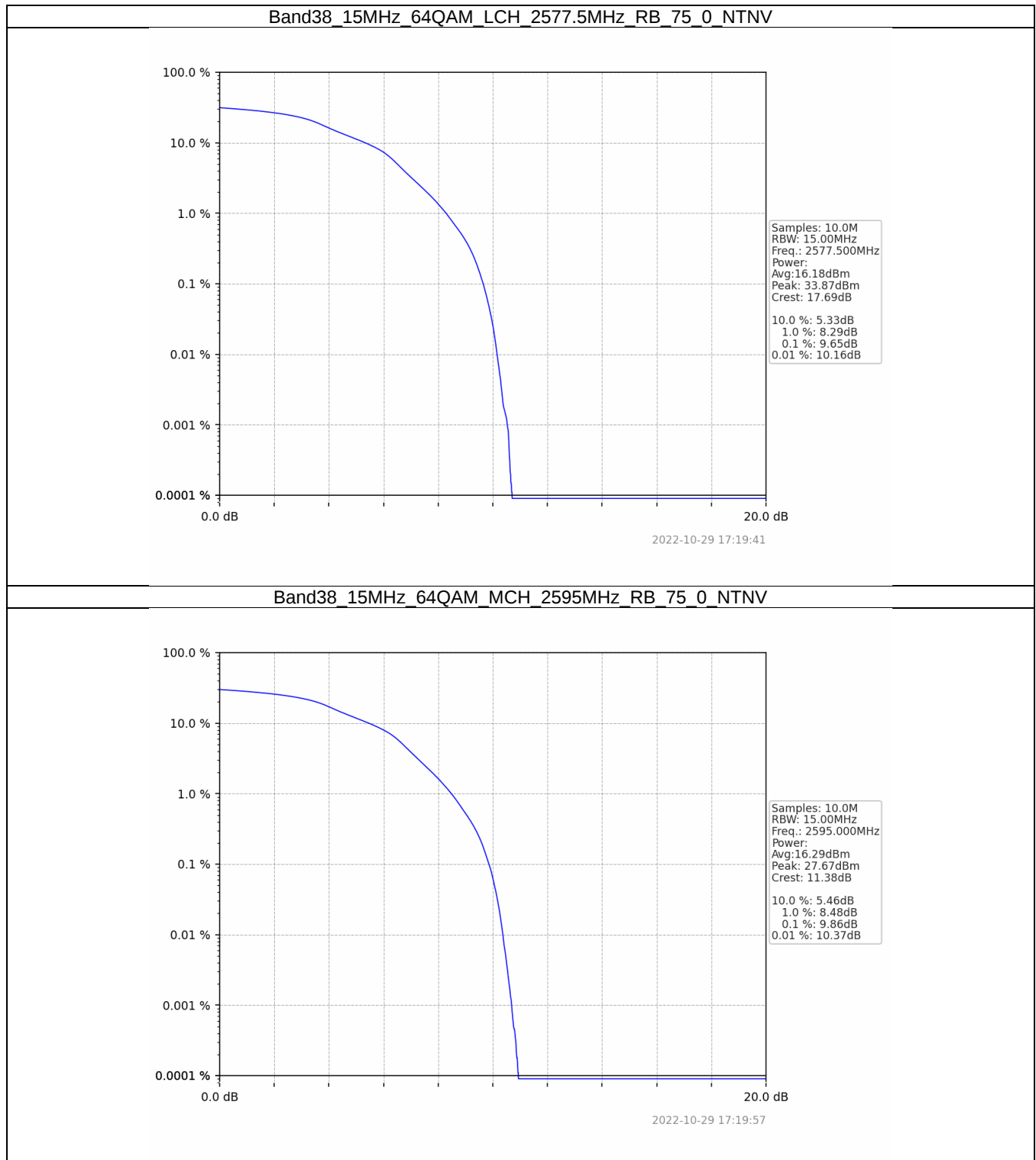
5.3 B38_15MHz

5.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	2577.5	75	0	9.65	<=13	Pass
	2595	75	0	9.86	<=13	Pass
	2612.5	75	0	9.67	<=13	Pass
QPSK	2577.5	75	0	9.31	<=13	Pass
	2595	75	0	9.79	<=13	Pass
	2612.5	75	0	9.19	<=13	Pass
16QAM	2577.5	75	0	10.02	<=13	Pass
	2595	75	0	10.82	<=13	Pass
	2612.5	75	0	9.80	<=13	Pass

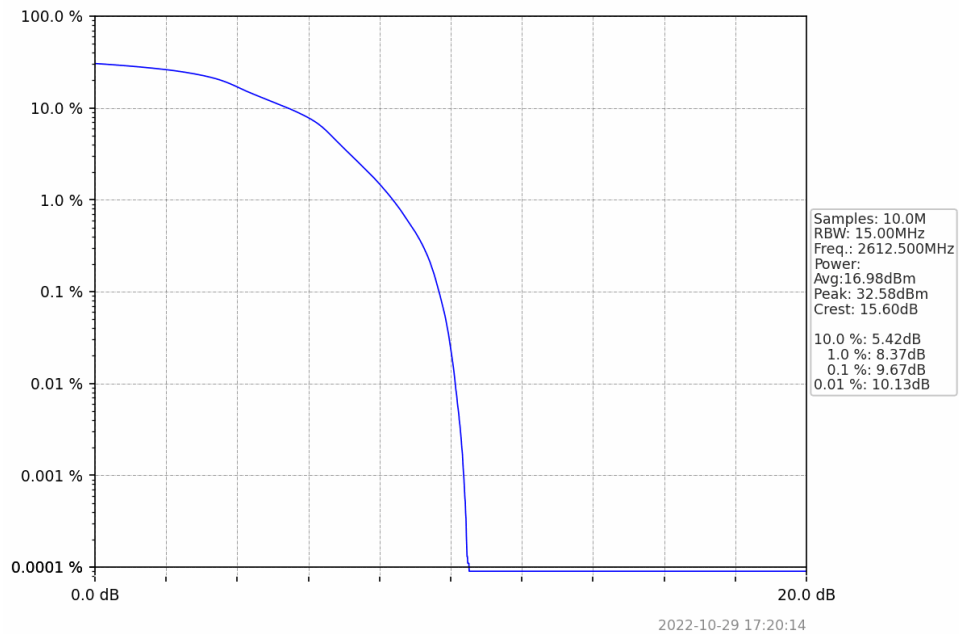


5.3.2 Test Graph

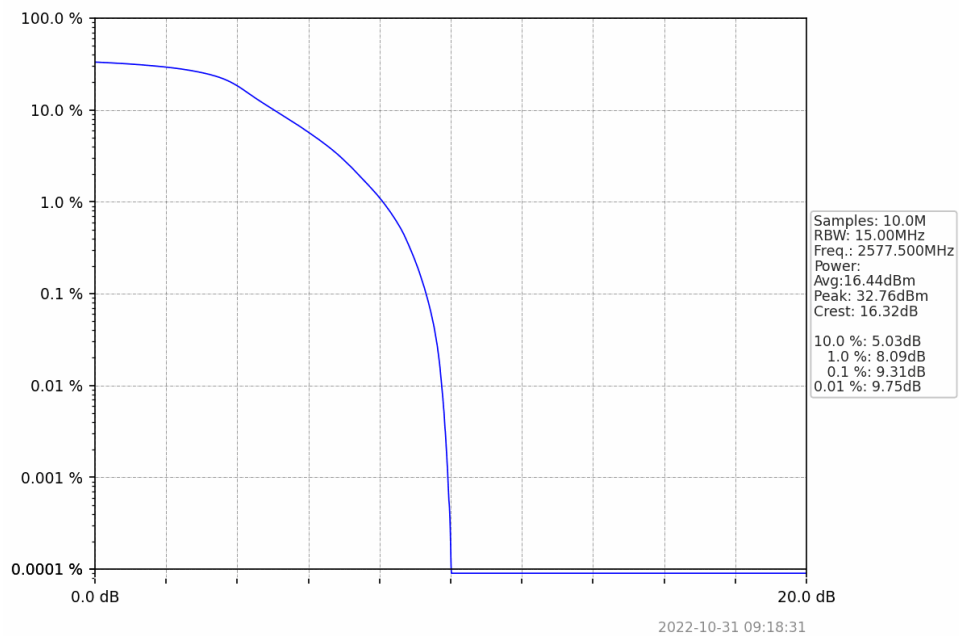




Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV

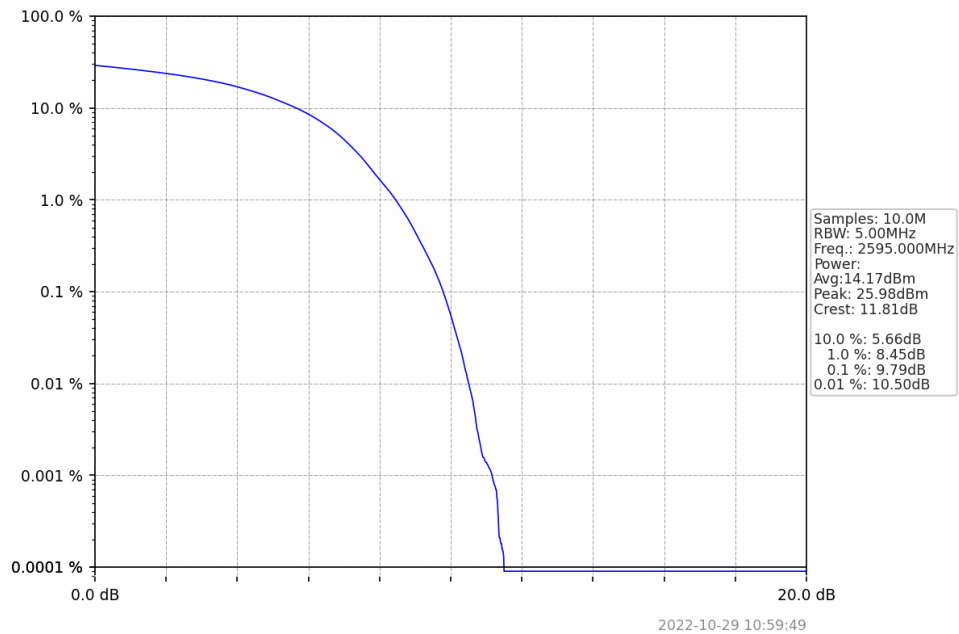


Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

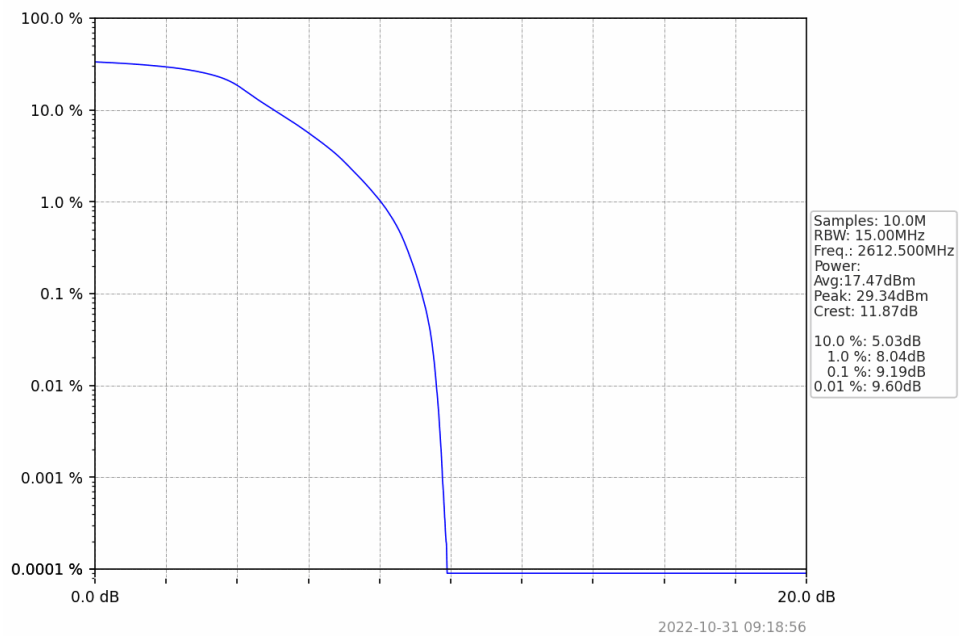




Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV

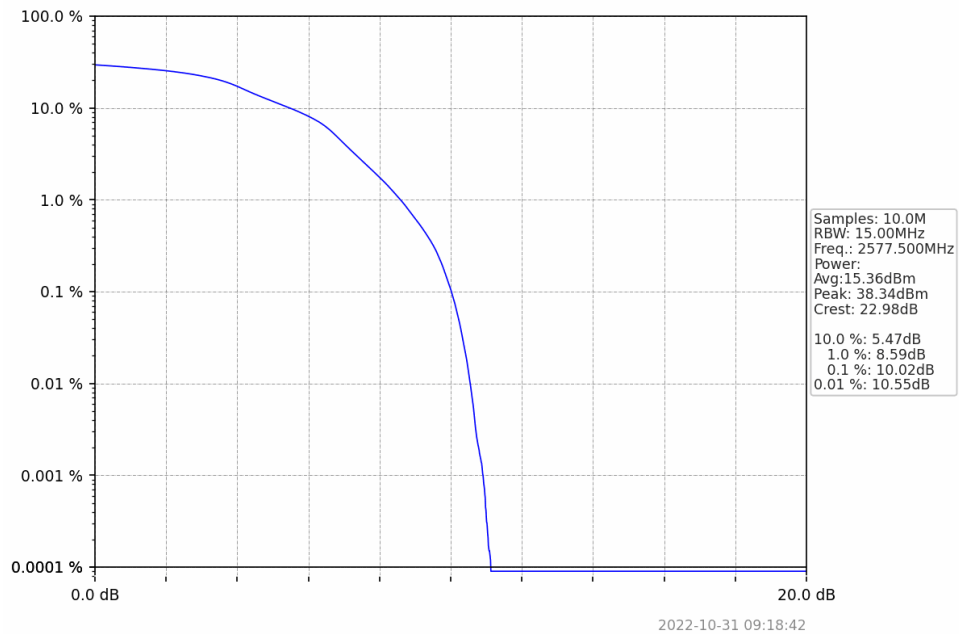


Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV

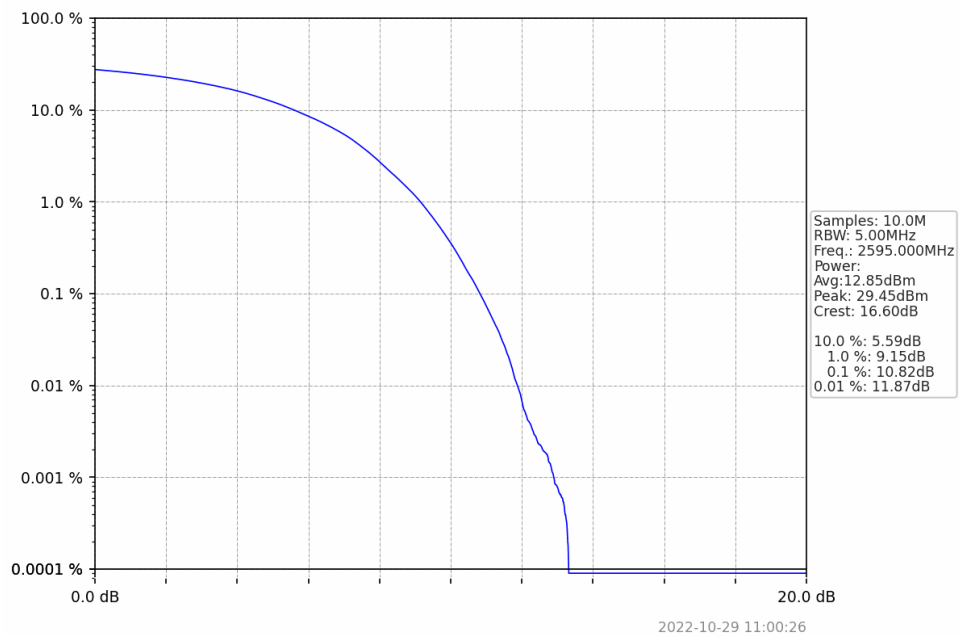




Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV

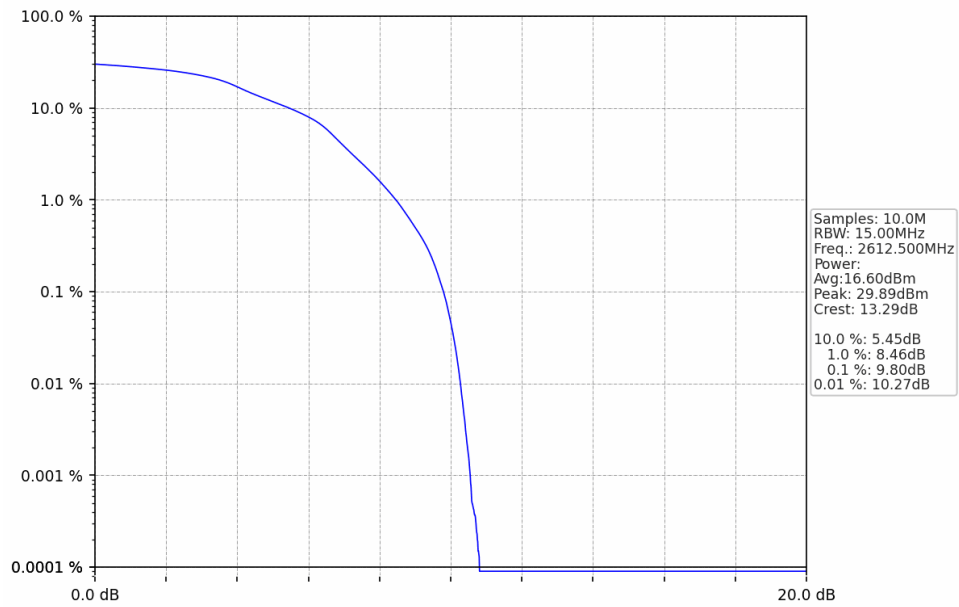


Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV





Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



2022-10-31 09:19:07



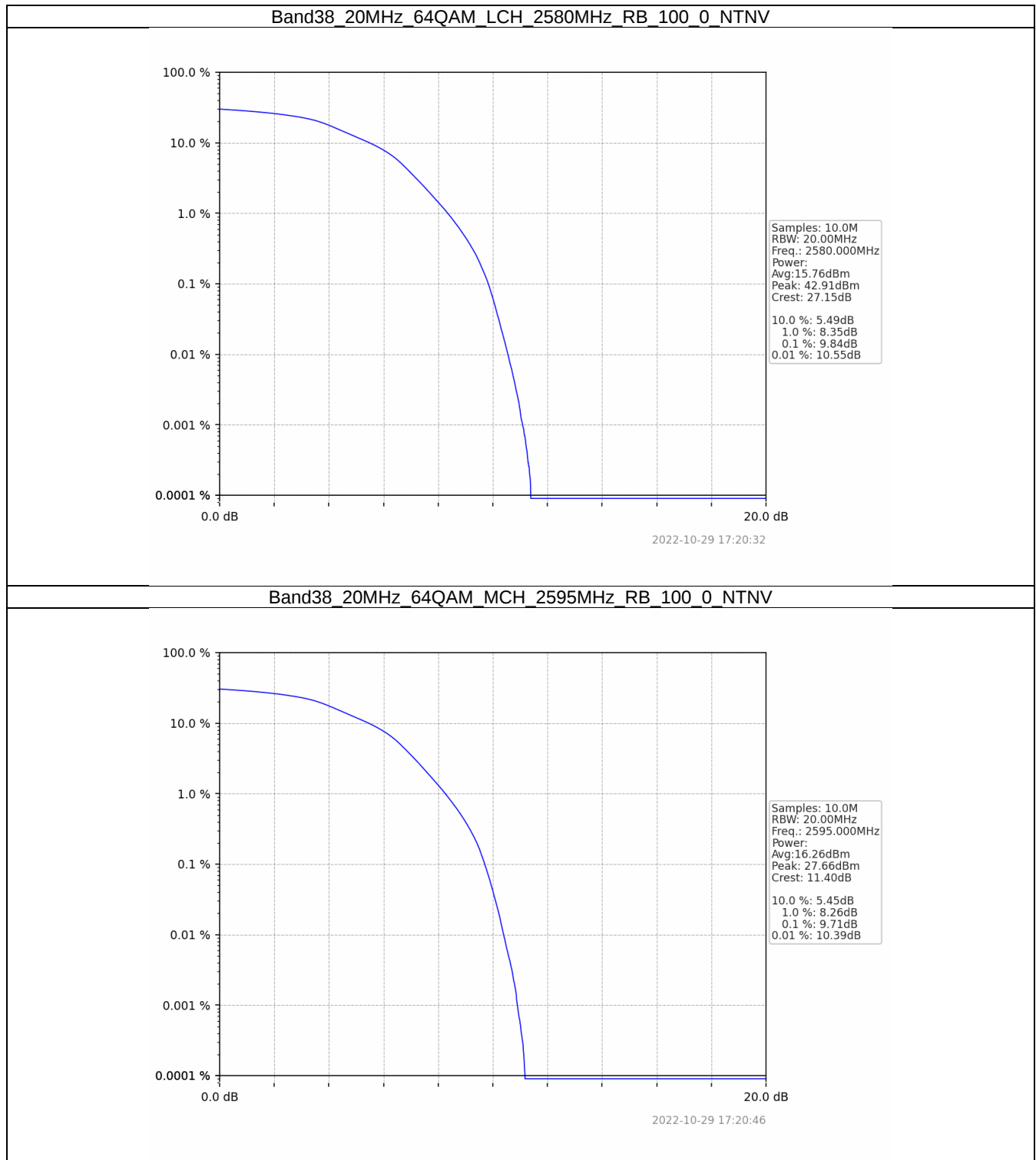
5.4 B38_20MHz

5.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	2580	100	0	9.84	<=13	Pass
	2595	100	0	9.71	<=13	Pass
	2610	100	0	9.90	<=13	Pass
QPSK	2580	100	0	10.47	<=13	Pass
	2595	100	0	8.81	<=13	Pass
	2610	100	0	9.07	<=13	Pass
16QAM	2580	100	0	10.03	<=13	Pass
	2595	100	0	9.67	<=13	Pass
	2610	100	0	9.81	<=13	Pass

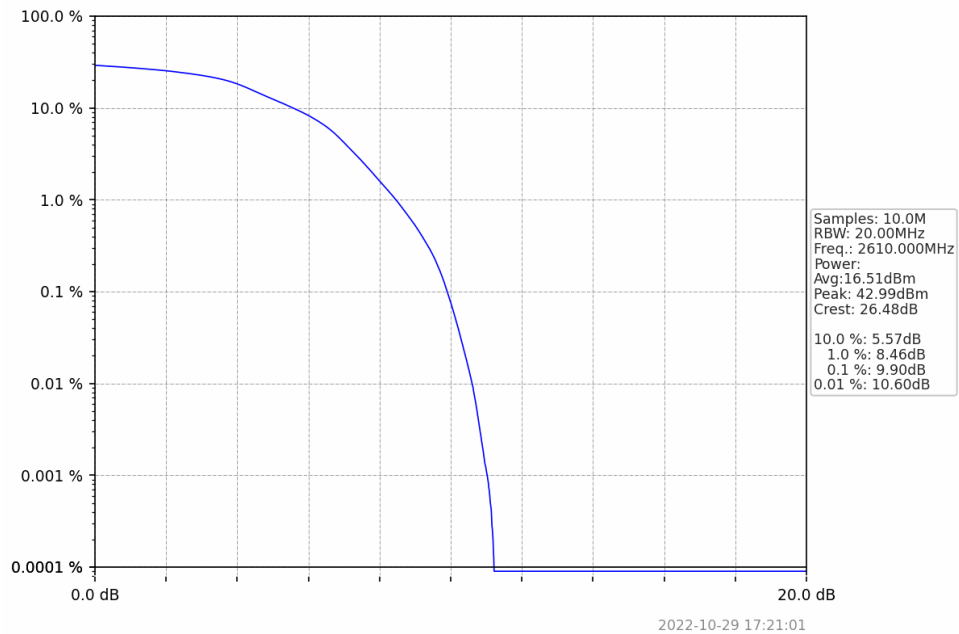


5.4.2 Test Graph

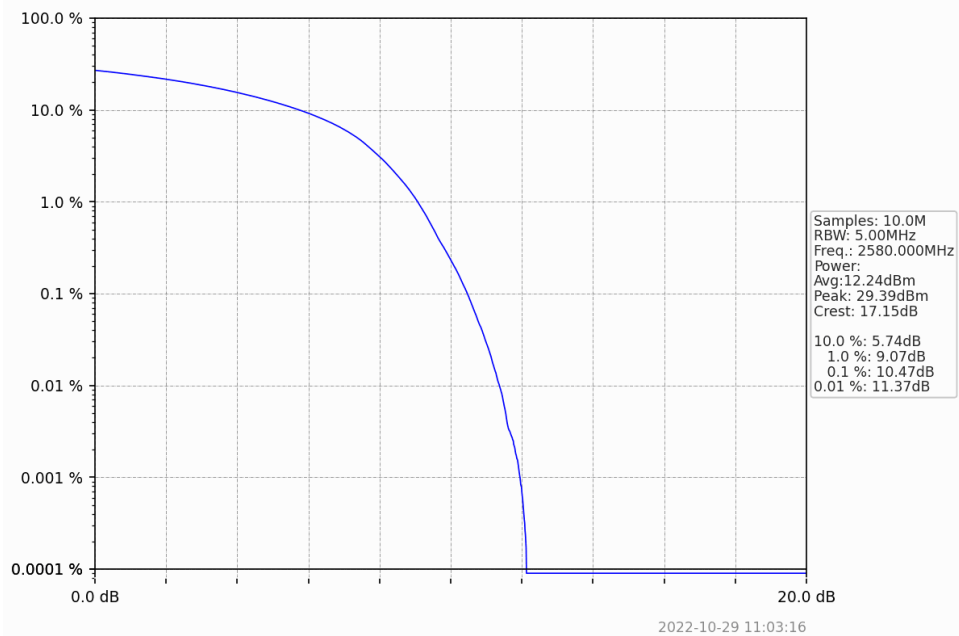




Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV

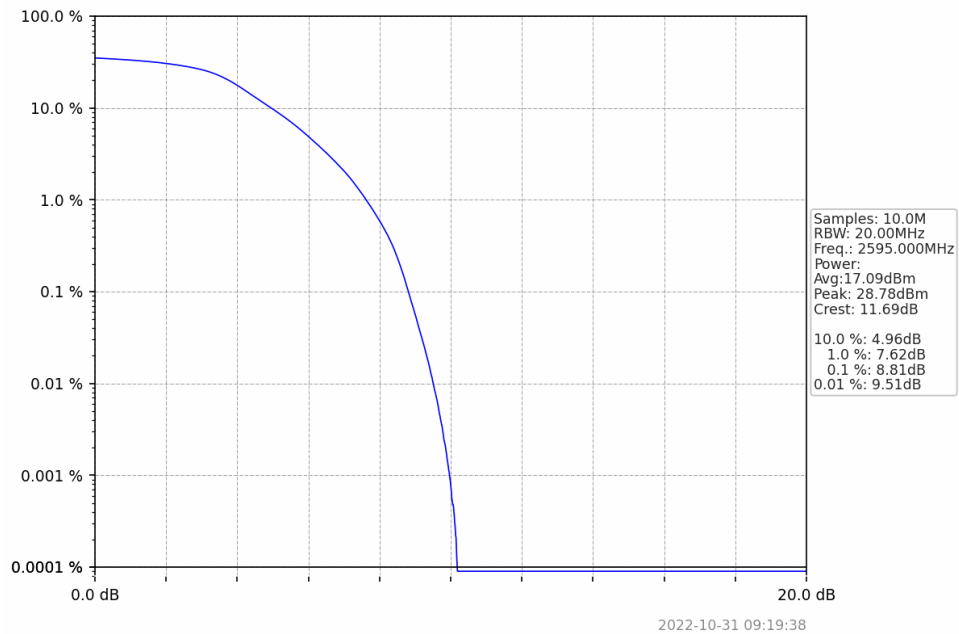


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

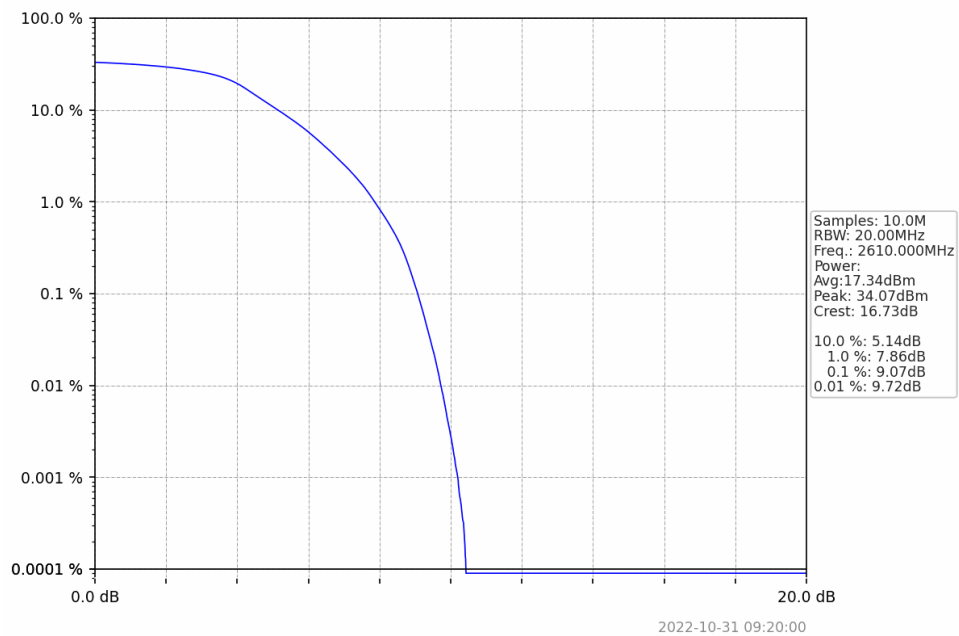




Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV

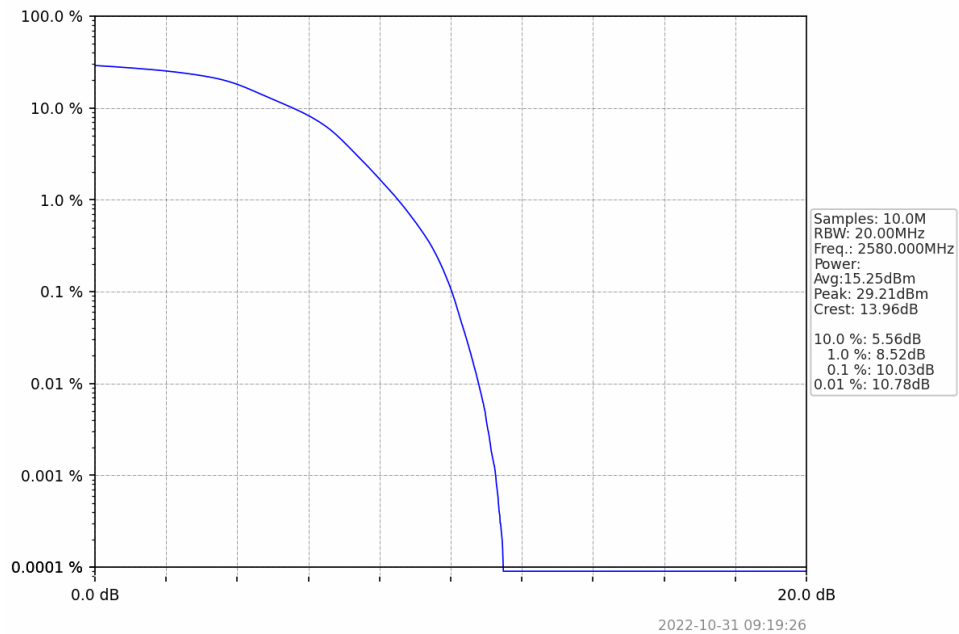


Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV

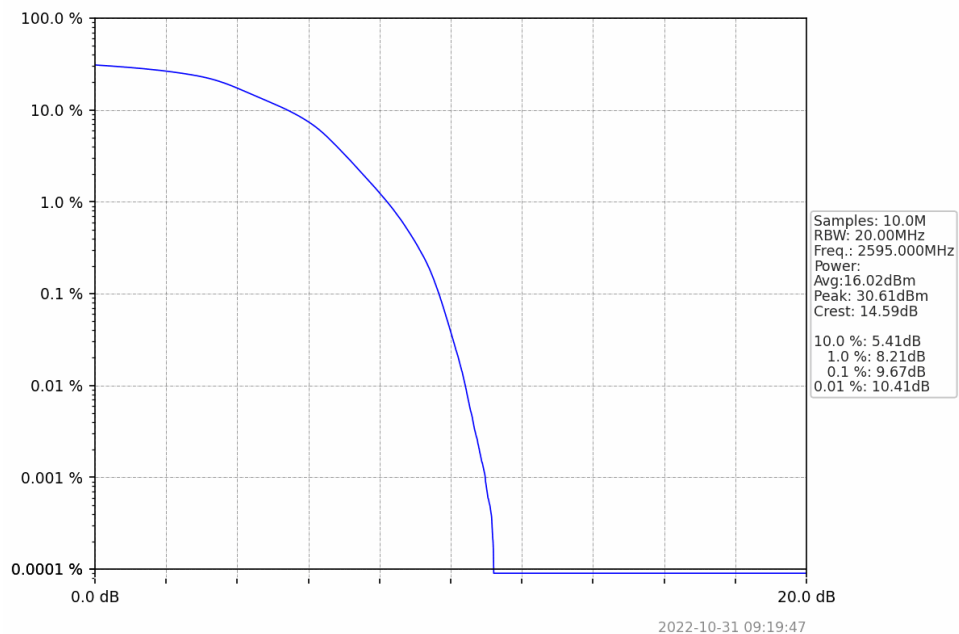


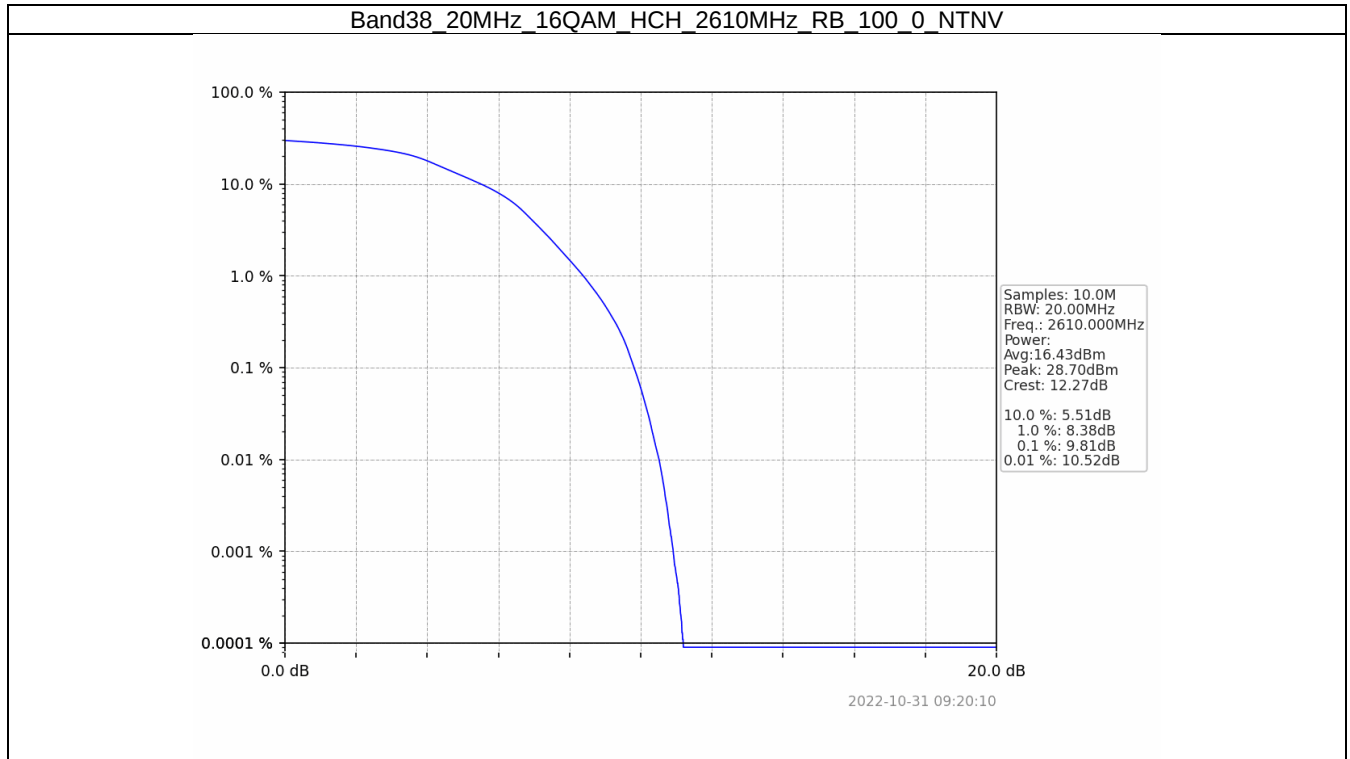


Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV







6. Spurious Emission

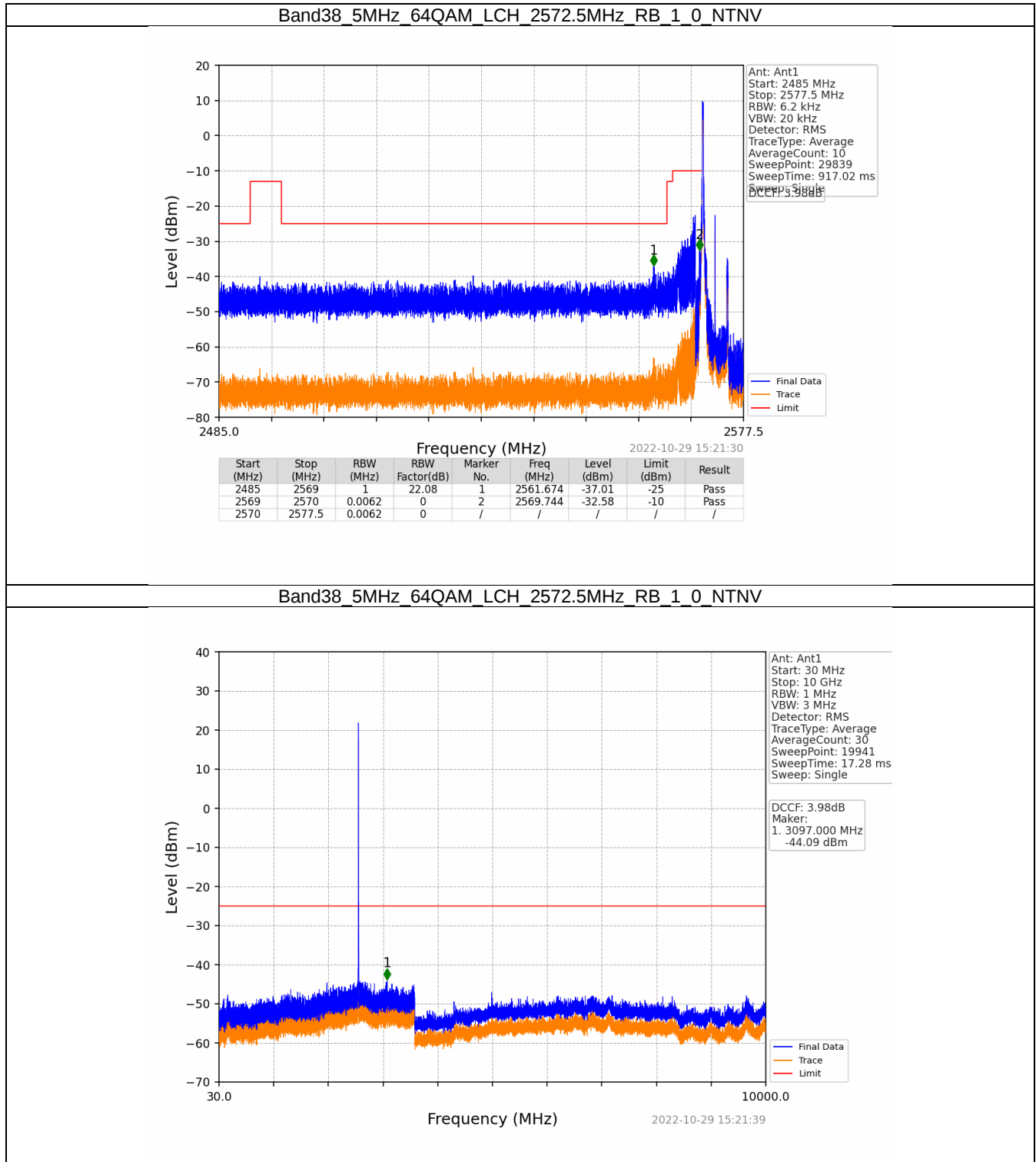
6.1 B38_5MHz

6.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
64QAM	2572.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2617.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
QPSK	2572.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
		1	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	2572.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2617.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

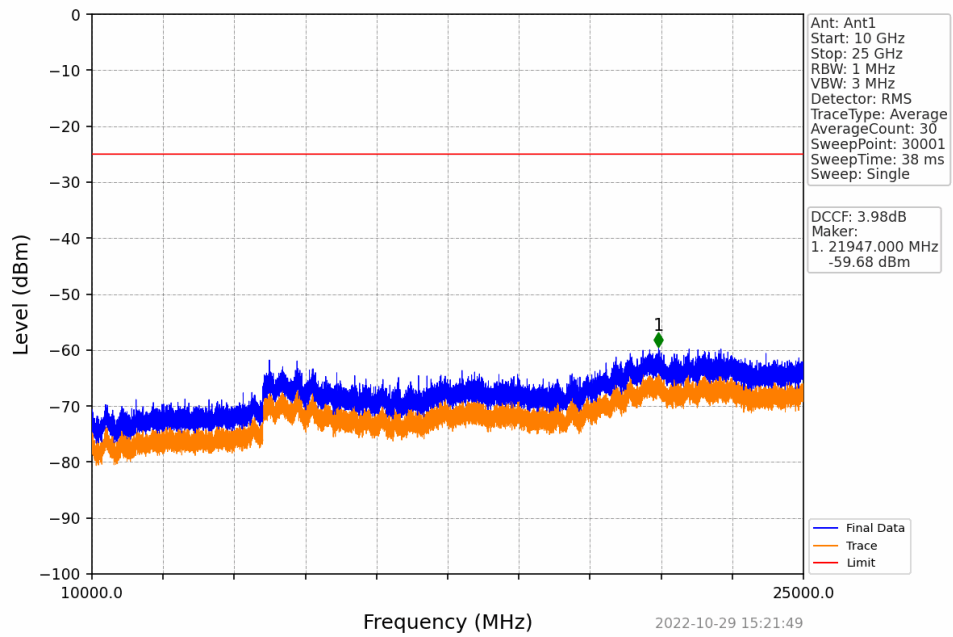


6.1.2 Test Graph

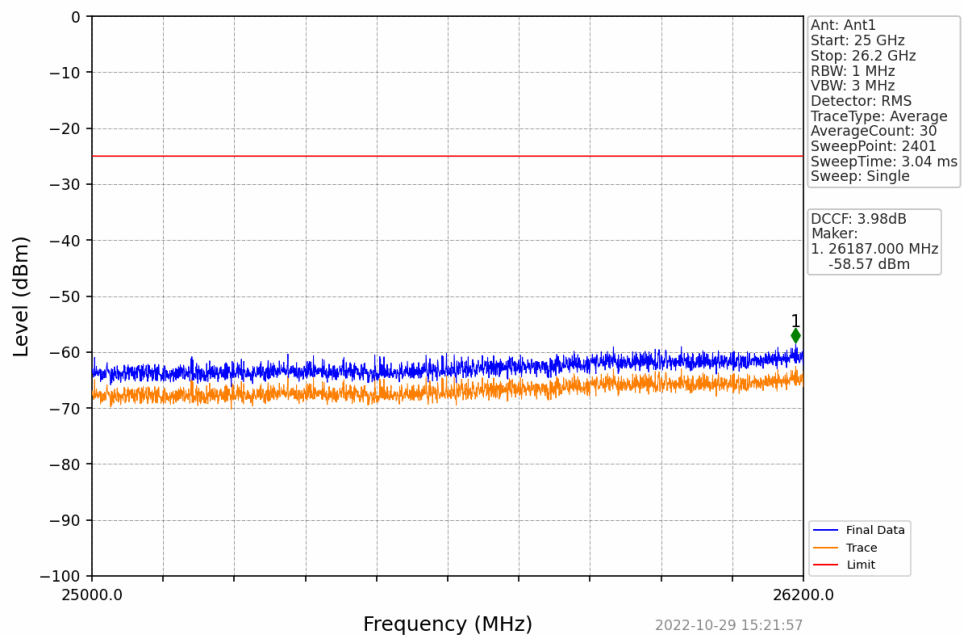




Band38_5MHz_64QAM_LCH_2572.5MHz_RB_1_0_NTNV

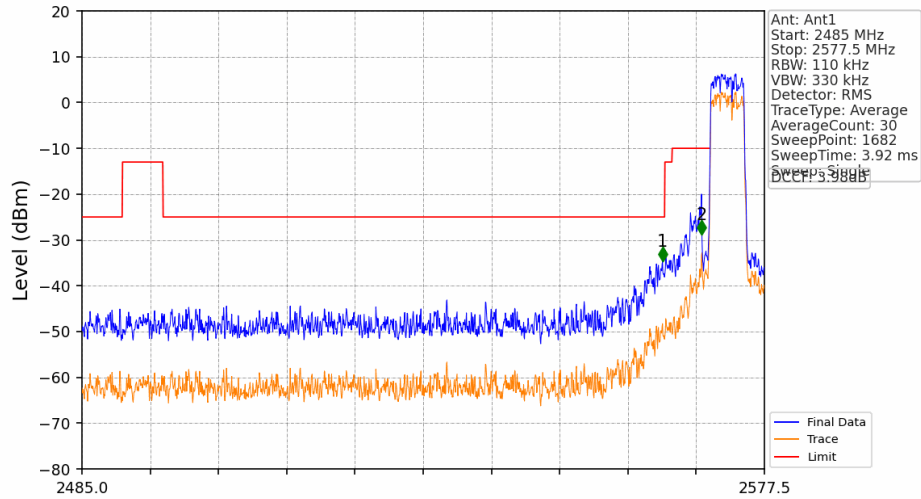


Band38_5MHz_64QAM_LCH_2572.5MHz_RB_1_0_NTNV



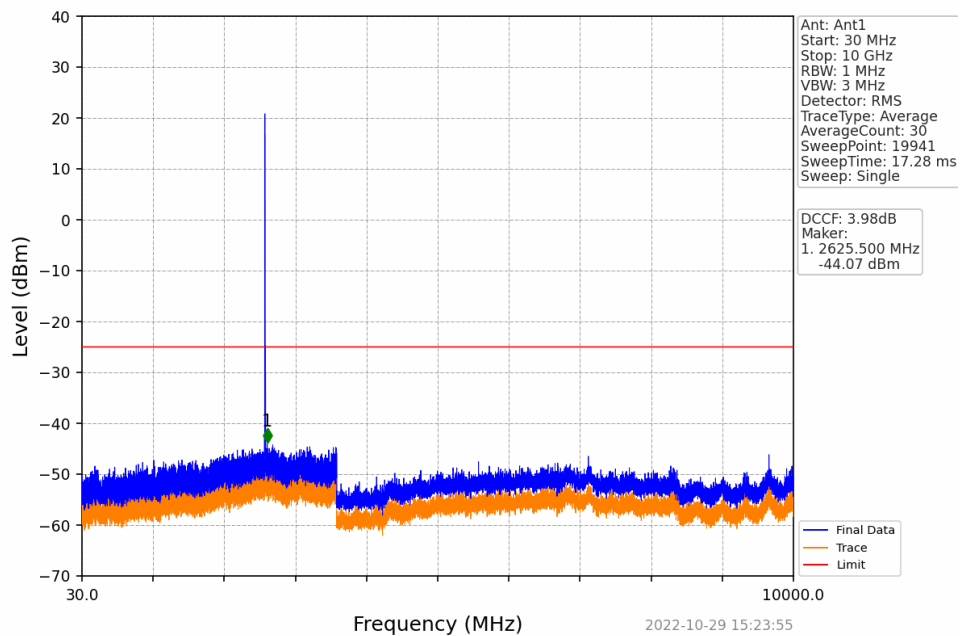


Band38_5MHz_64QAM_LCH_2572.5MHz_RB_25_0_NTNV



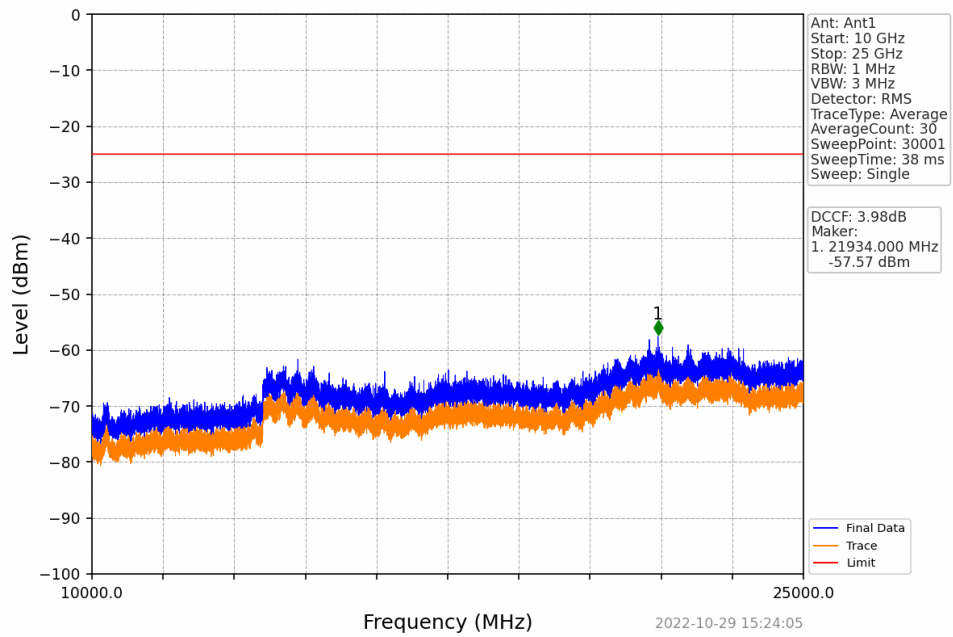
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	9.59	1	2563.688	-34.72	-25	Pass
2569	2570	0.11	0	2	2569.026	-28.80	-10	Pass
2570	2577.5	0.11	0	/	/	/	/	/

Band38_5MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV

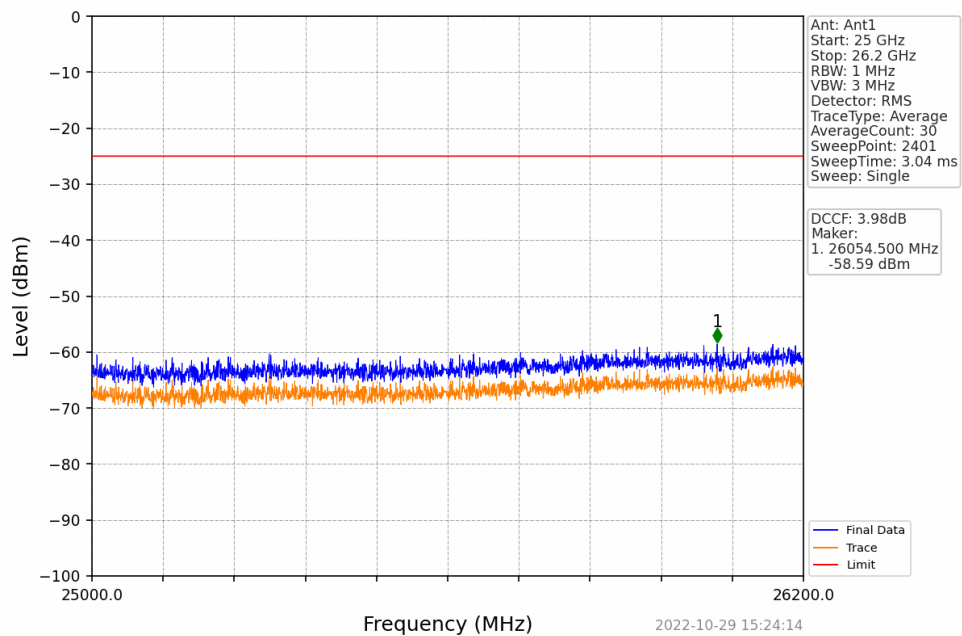


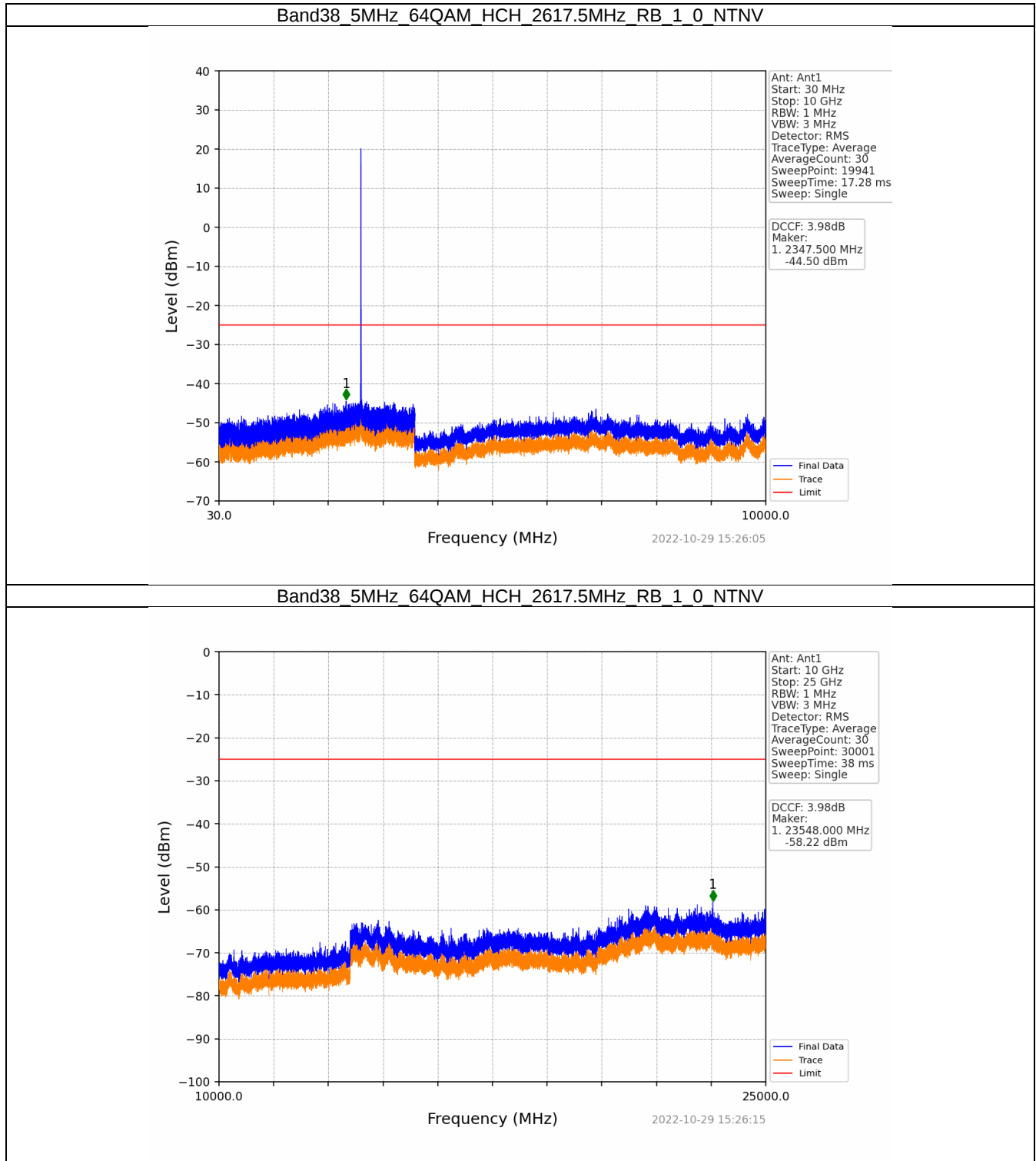


Band38_5MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV

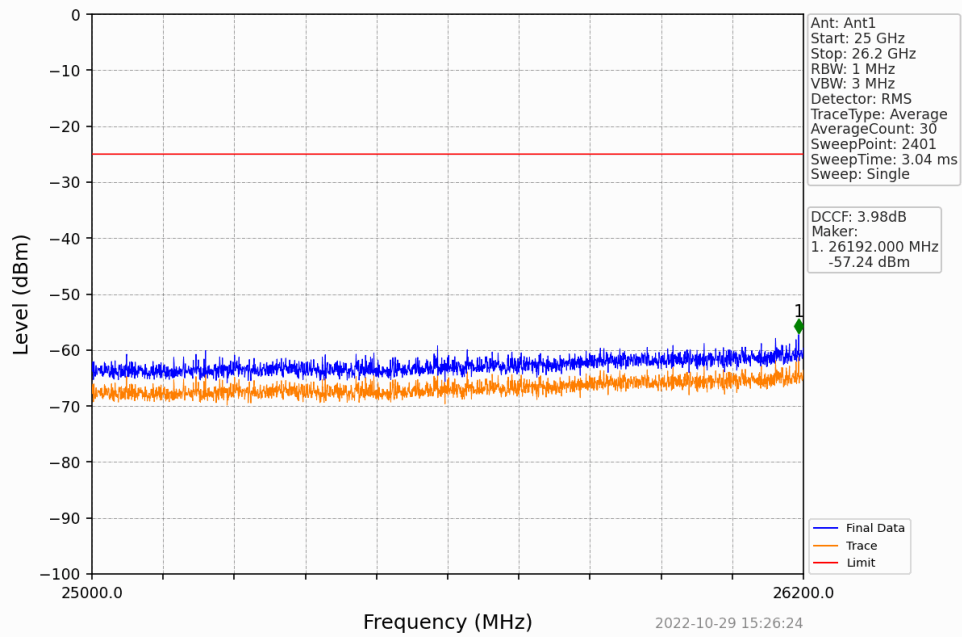


Band38_5MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV

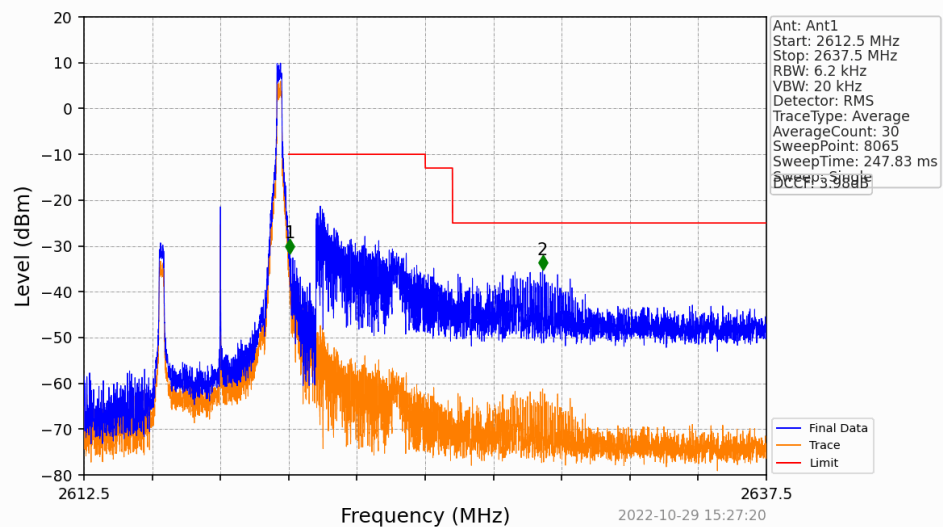




Band38_5MHz_64QAM_HCH_2617.5MHz_RB_1_0_NTNV

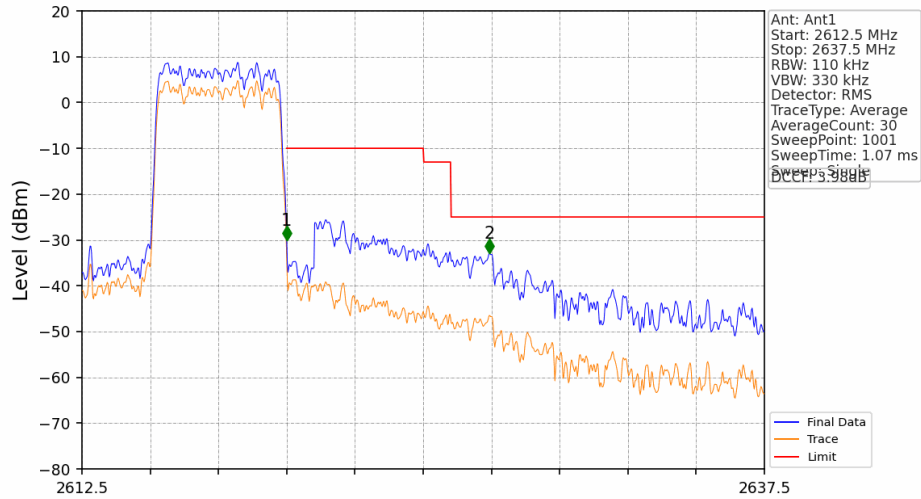


Band38_5MHz_64QAM_HCH_2617.5MHz_RB_1_24_NTNV

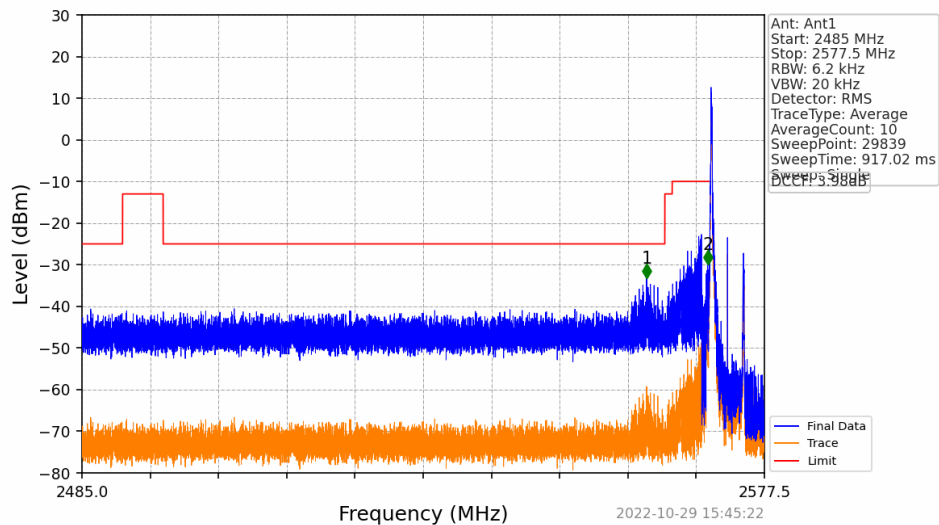


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.037	-31.59	-10	Pass
2621	2637.5	1	22.08	2	2629.303	-35.16	-25	Pass

Band38_5MHz_64QAM_HCH_2617.5MHz_RB_25_0_NTNV

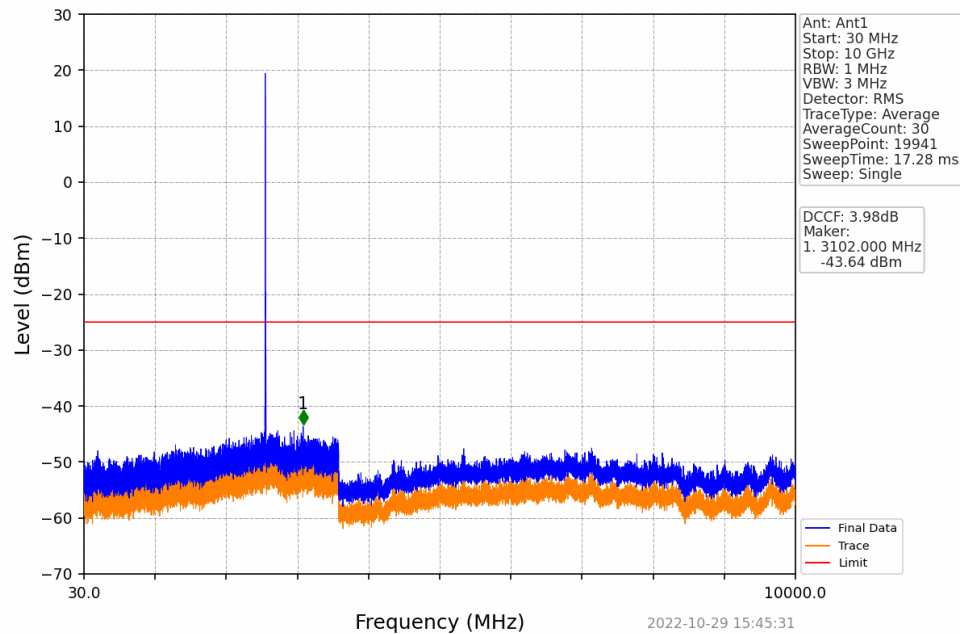


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

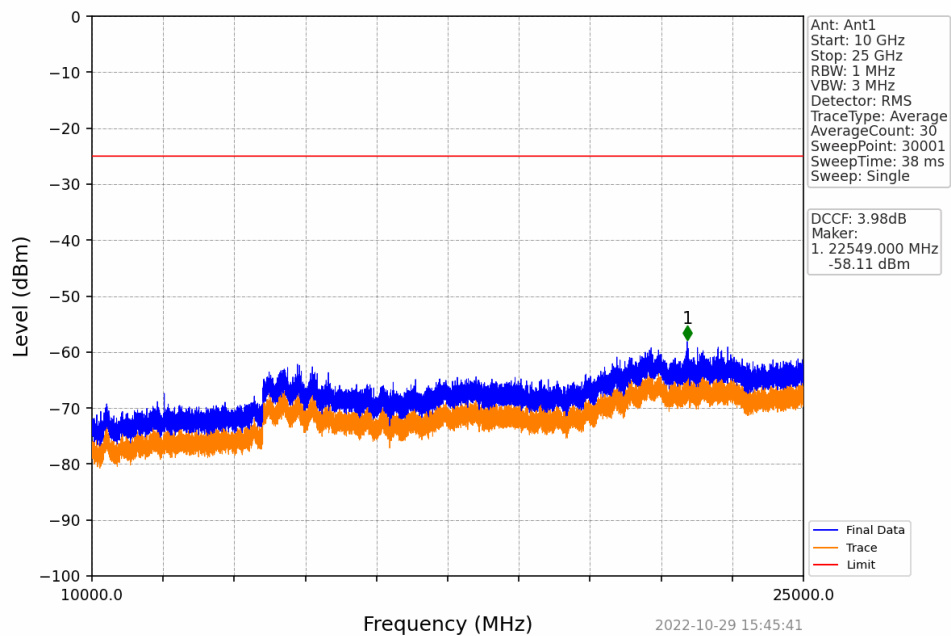




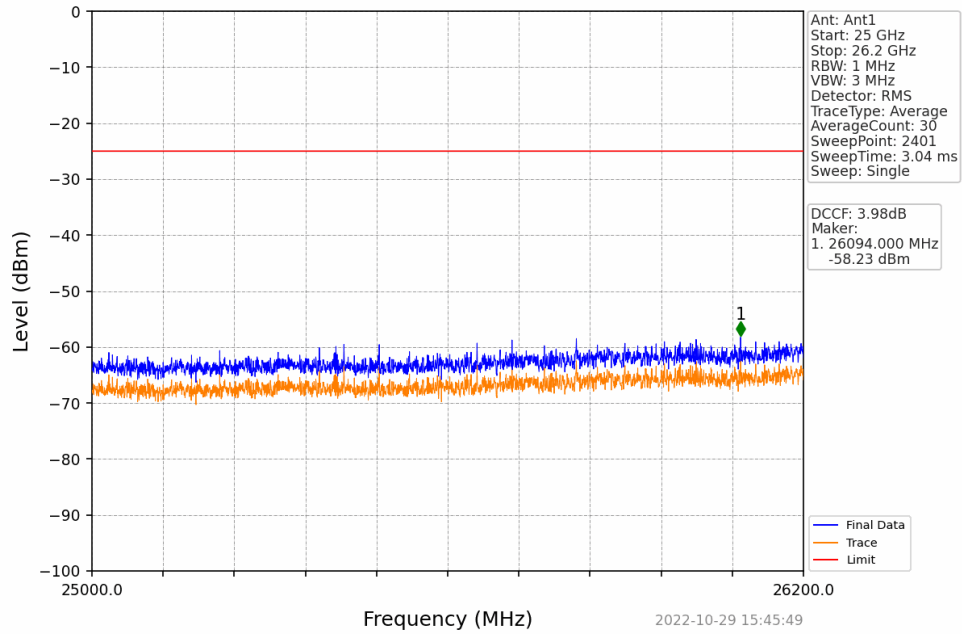
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



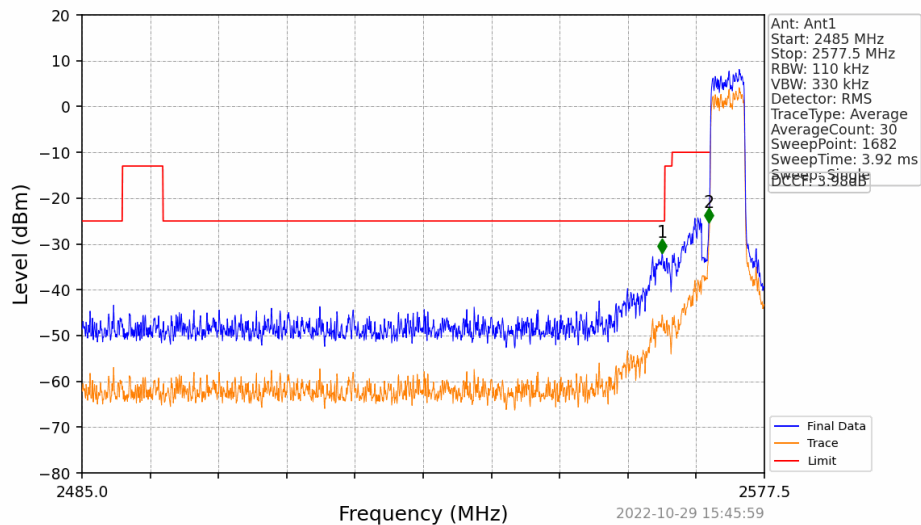
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



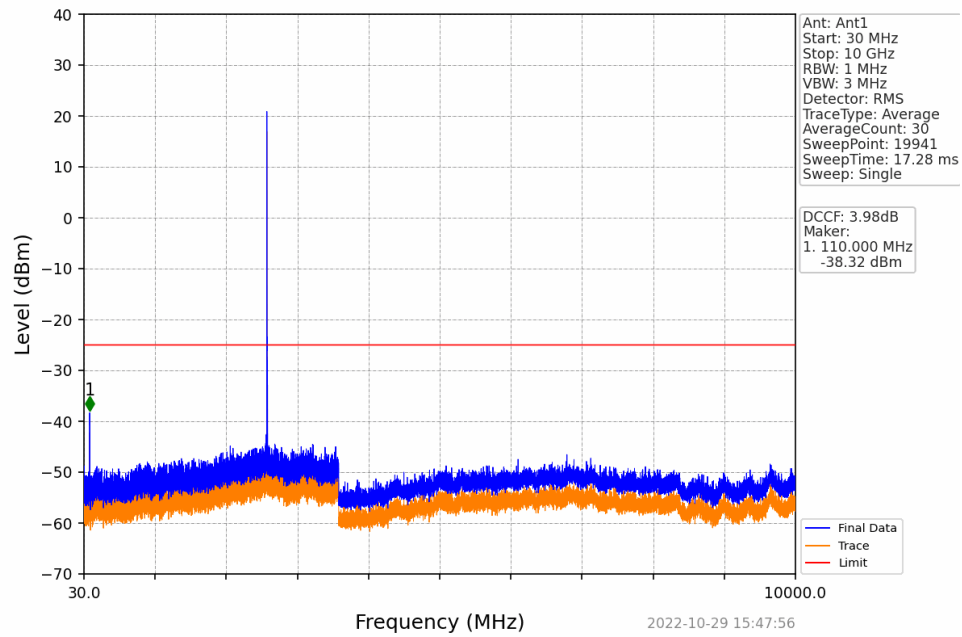
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV



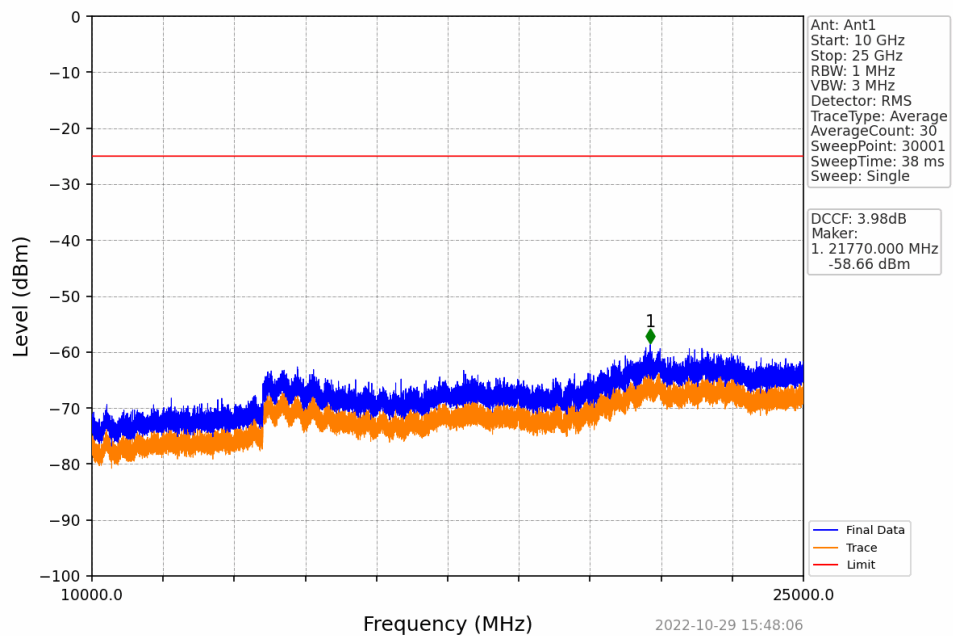
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	9.59	1	2563.633	-31.95	-25	Pass
2569	2570	0.11	0	2	2569.961	-25.31	-10	Pass
2570	2577.5	0.11	0	/	/	/	/	/



Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV

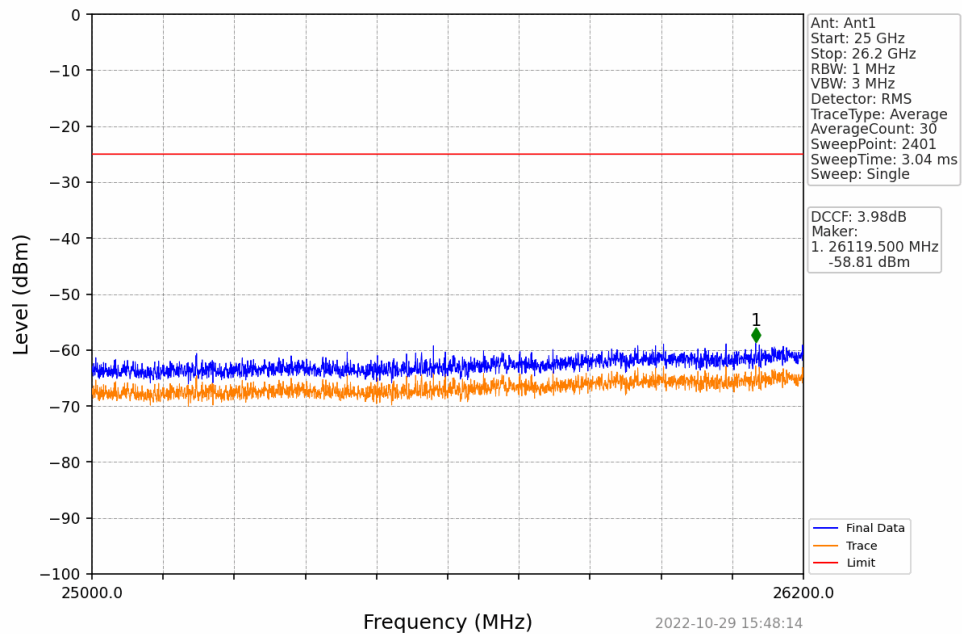


Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV

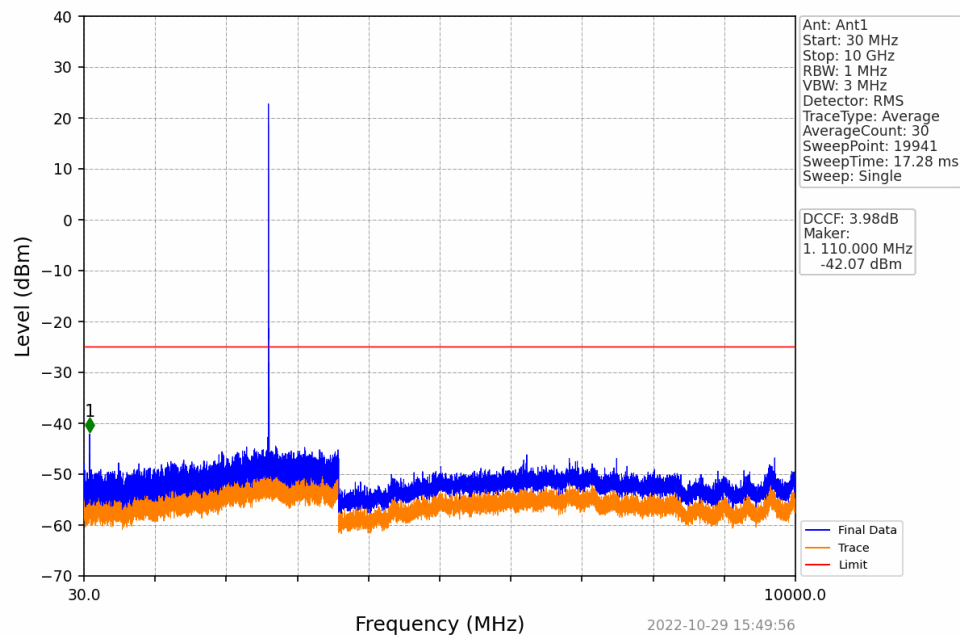




Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV

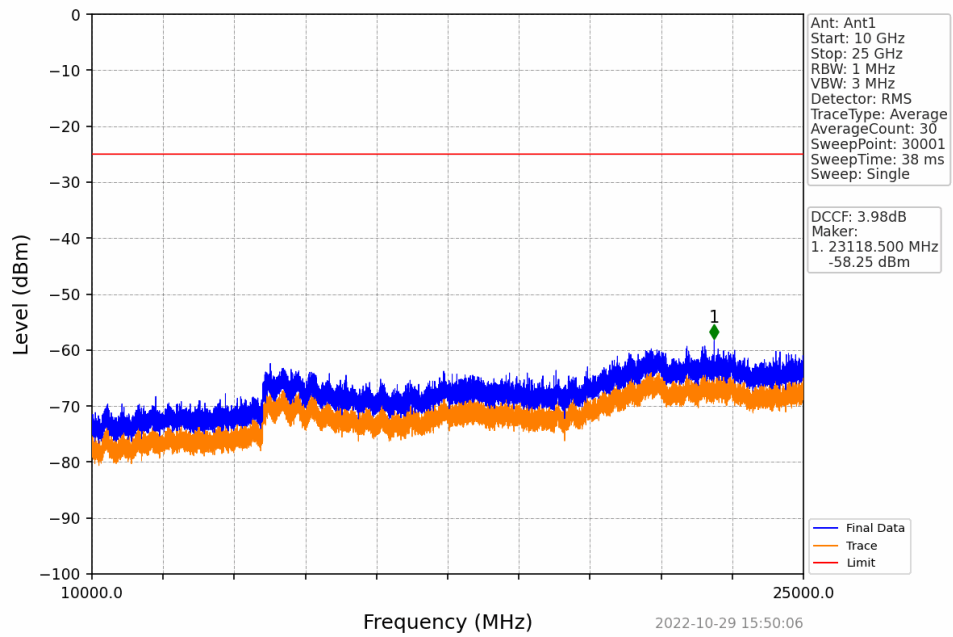


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

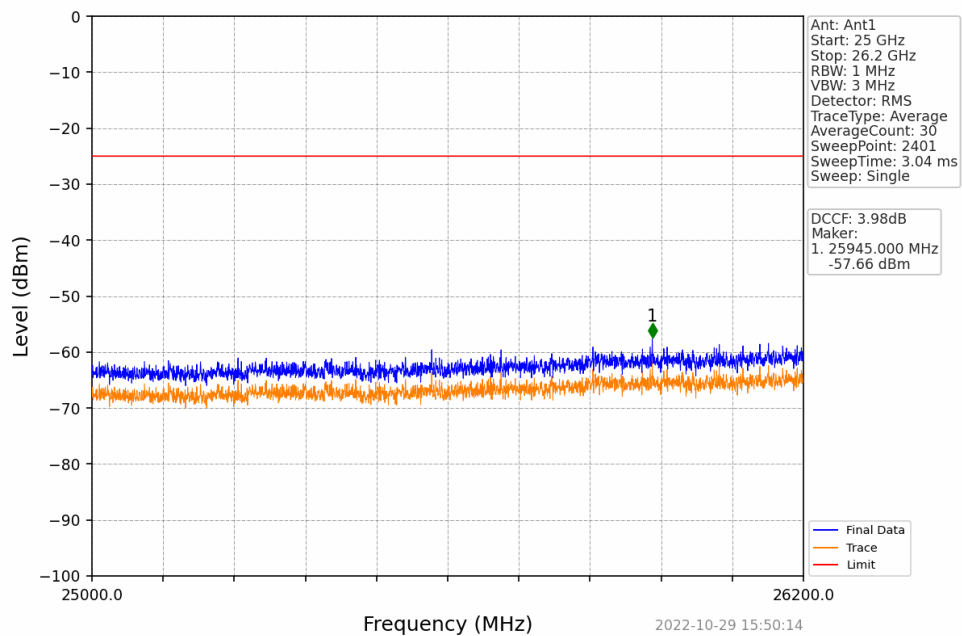




Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

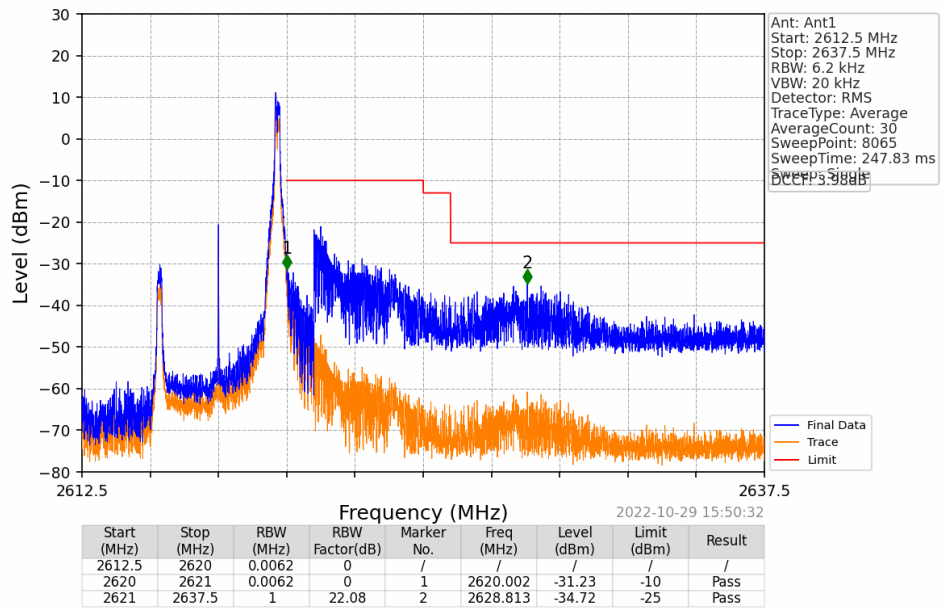


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

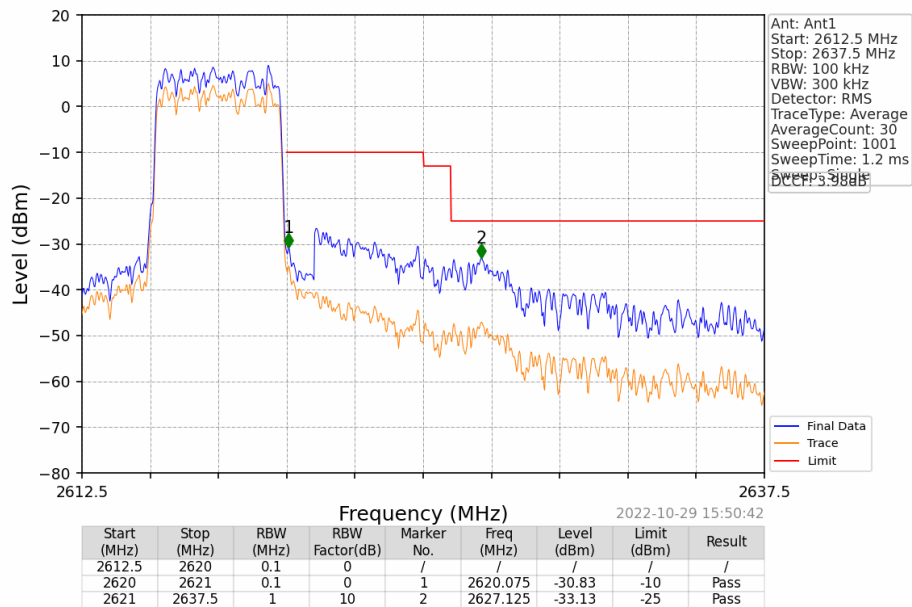




Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV

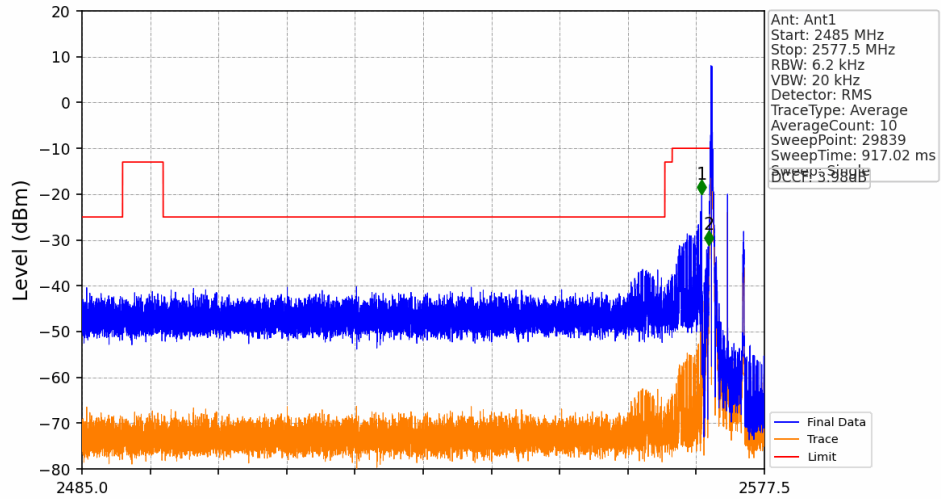


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



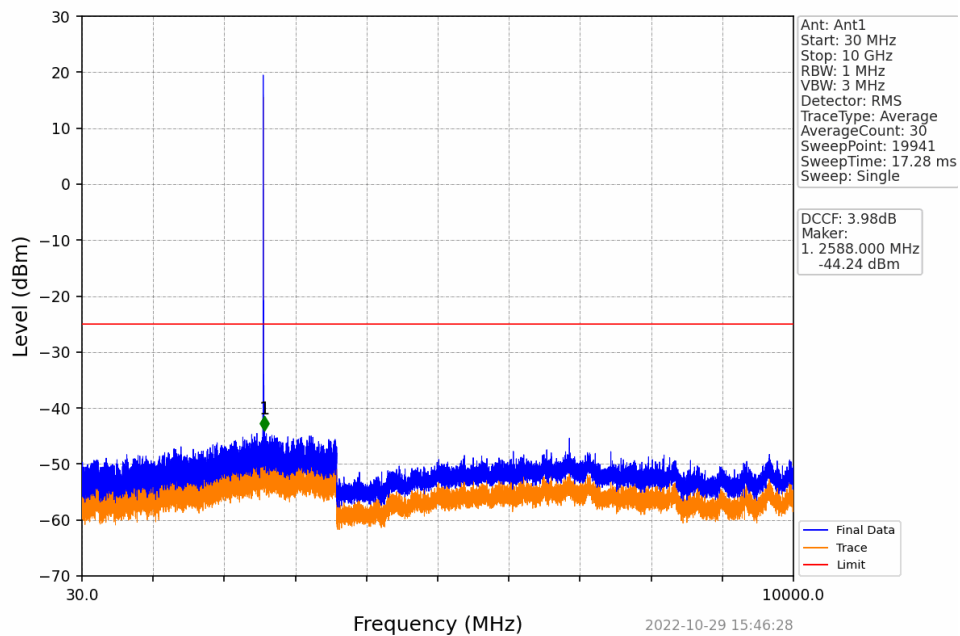


Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



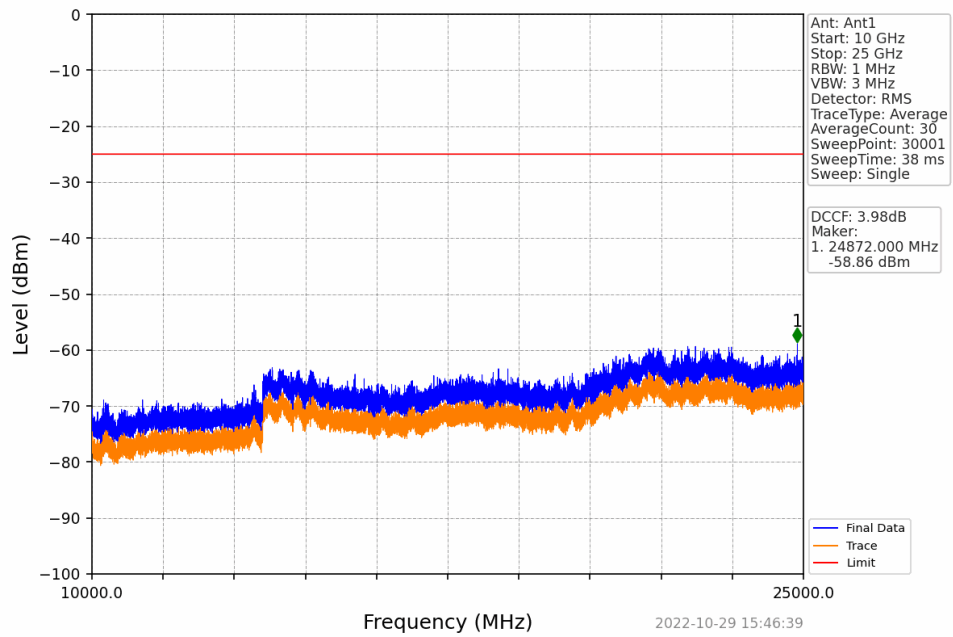
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2569.000	-20.06	-10	Pass
2569	2570	0.0062	0	2	2569.995	-31.08	-10	Pass
2570	2577.5	0.0062	0	/	/	/	/	/

Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV

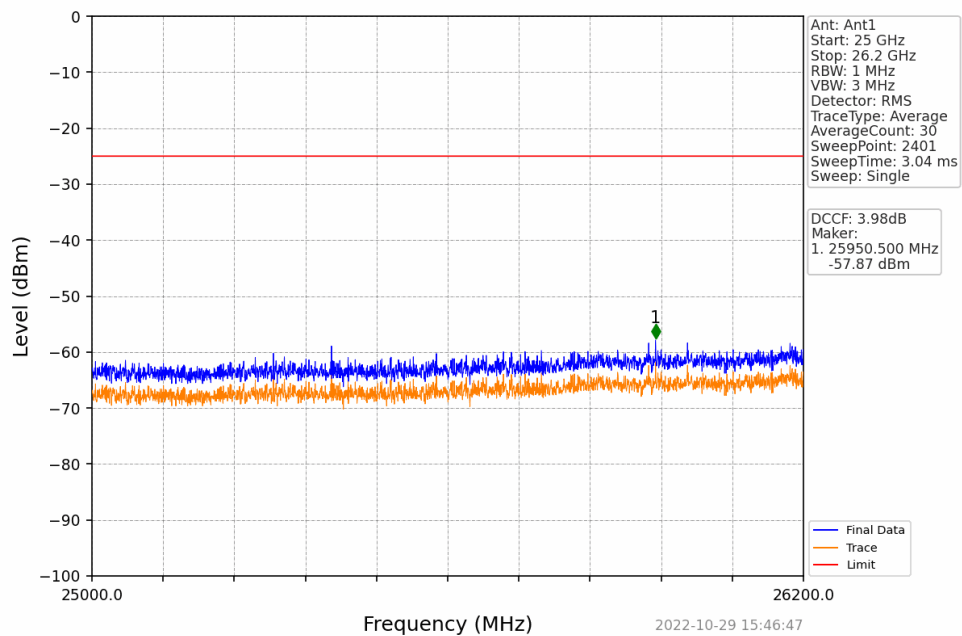




Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV

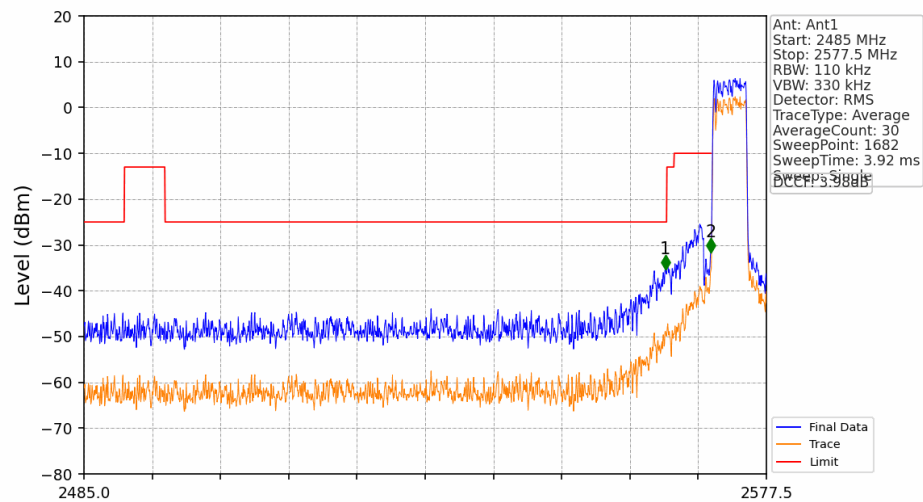


Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



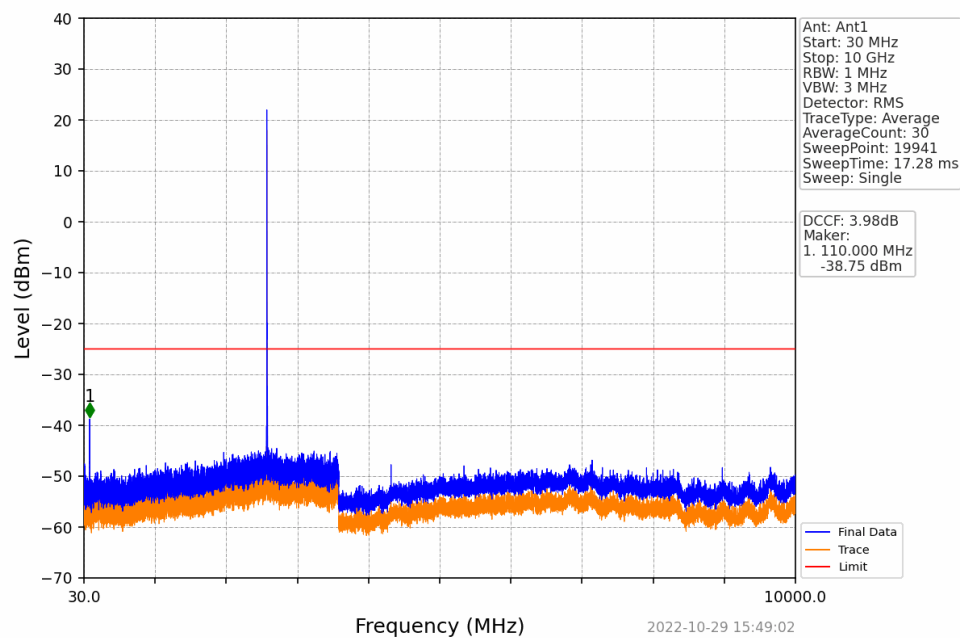


Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



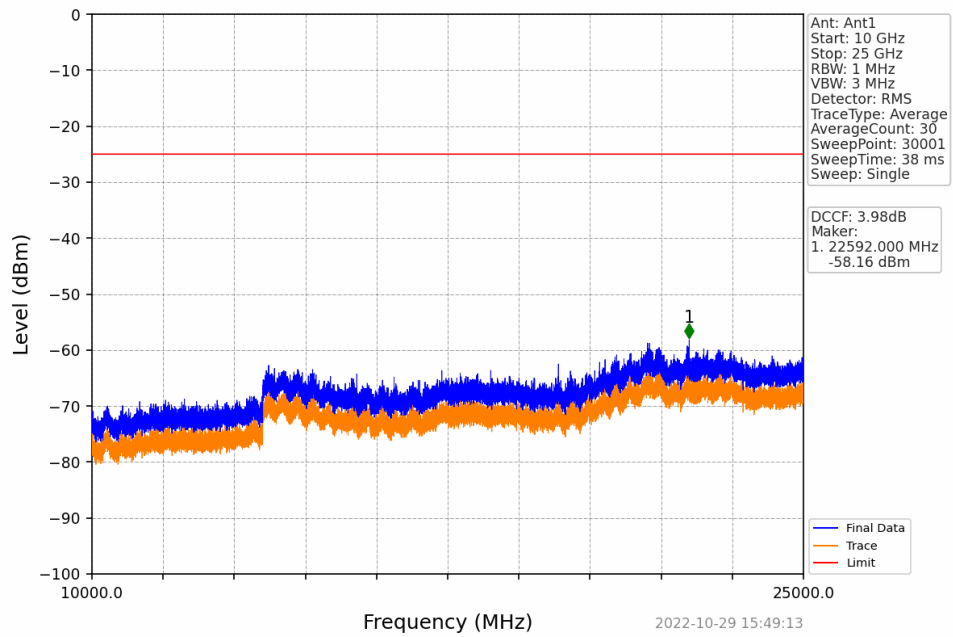
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	9.59	1	2563.798	-35.29	-25	Pass
2569	2570	0.11	0	2	2569.961	-31.59	-10	Pass
2570	2577.5	0.11	0	/	/	/	/	/

Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV

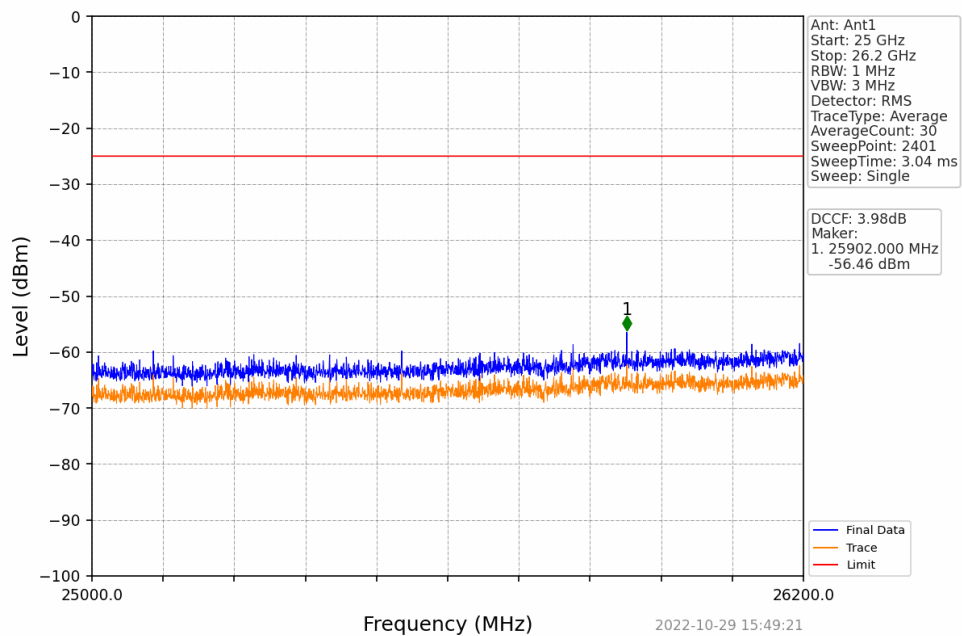


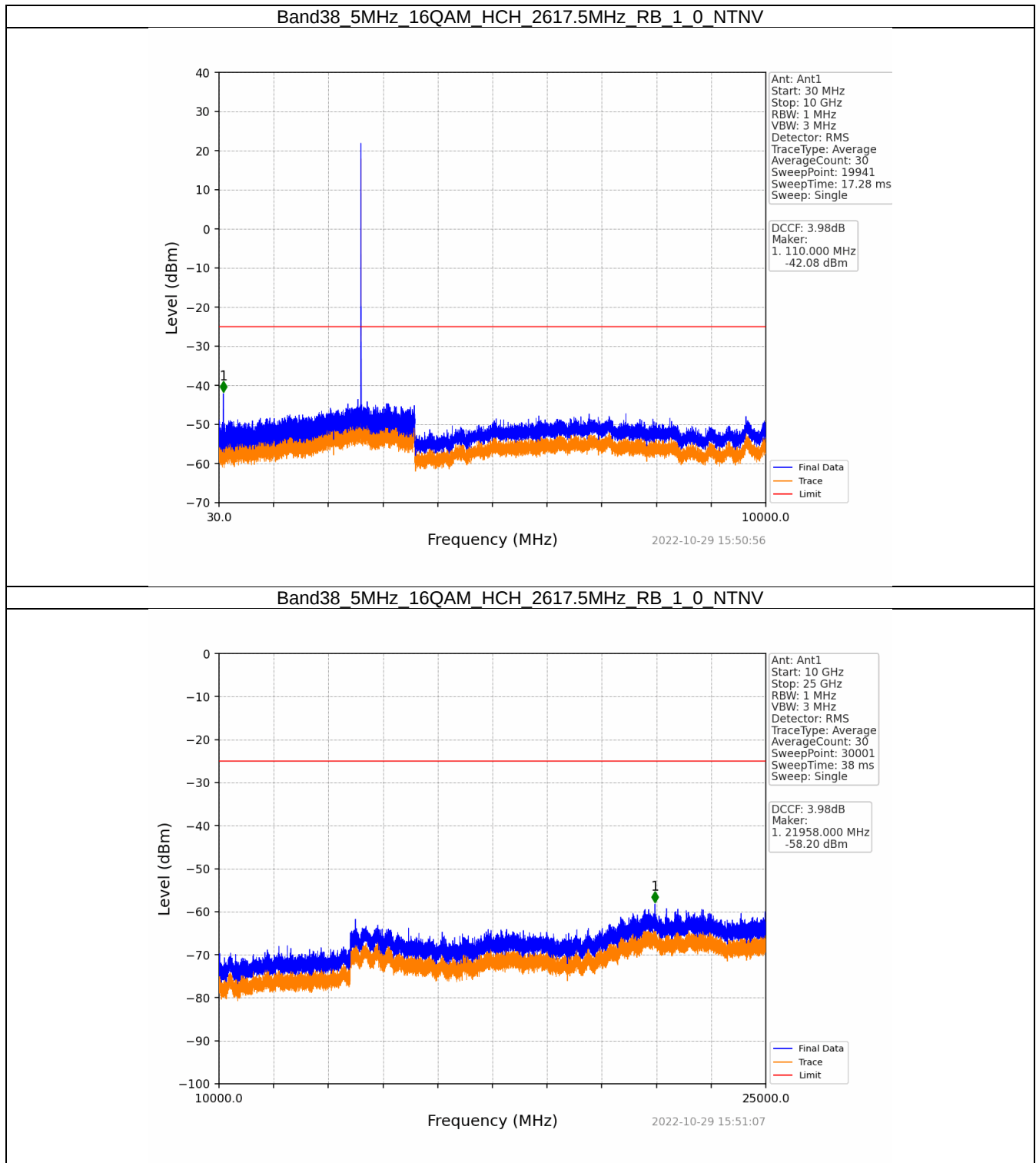


Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV

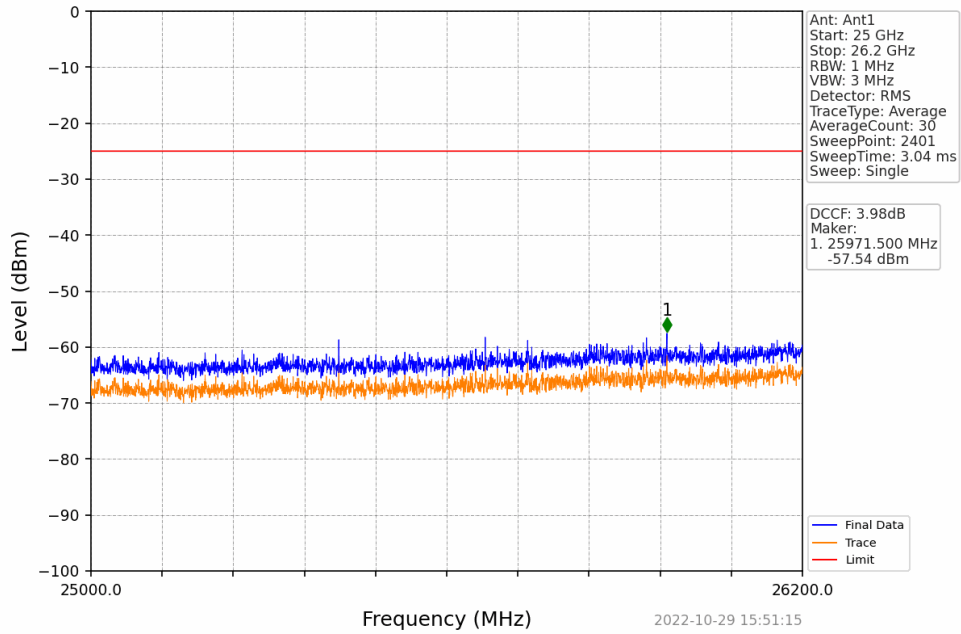


Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV

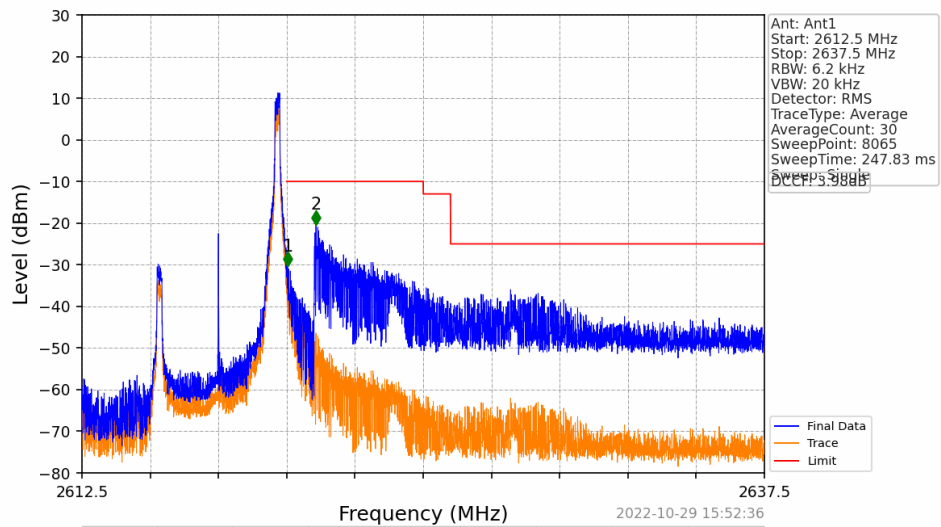




Band38_5MHz_16QAM_HCH_2617.5MHz_RB_1_0_NTNV



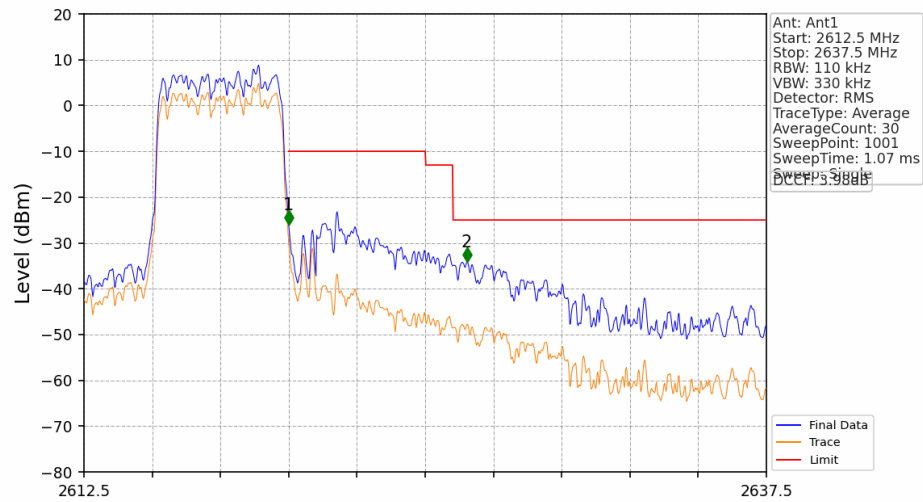
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.030	-30.37	-10	Pass
2621	2637.5	1	22.08	2	2621.075	-20.35	-10	Pass



Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.11	0	/	/	/	/	/
2620	2621	0.11	0	1	2620.000	-26.08	-10	Pass
2621	2637.5	1	9.59	2	2626.525	-34.18	-25	Pass

2022-10-29 15:53:08



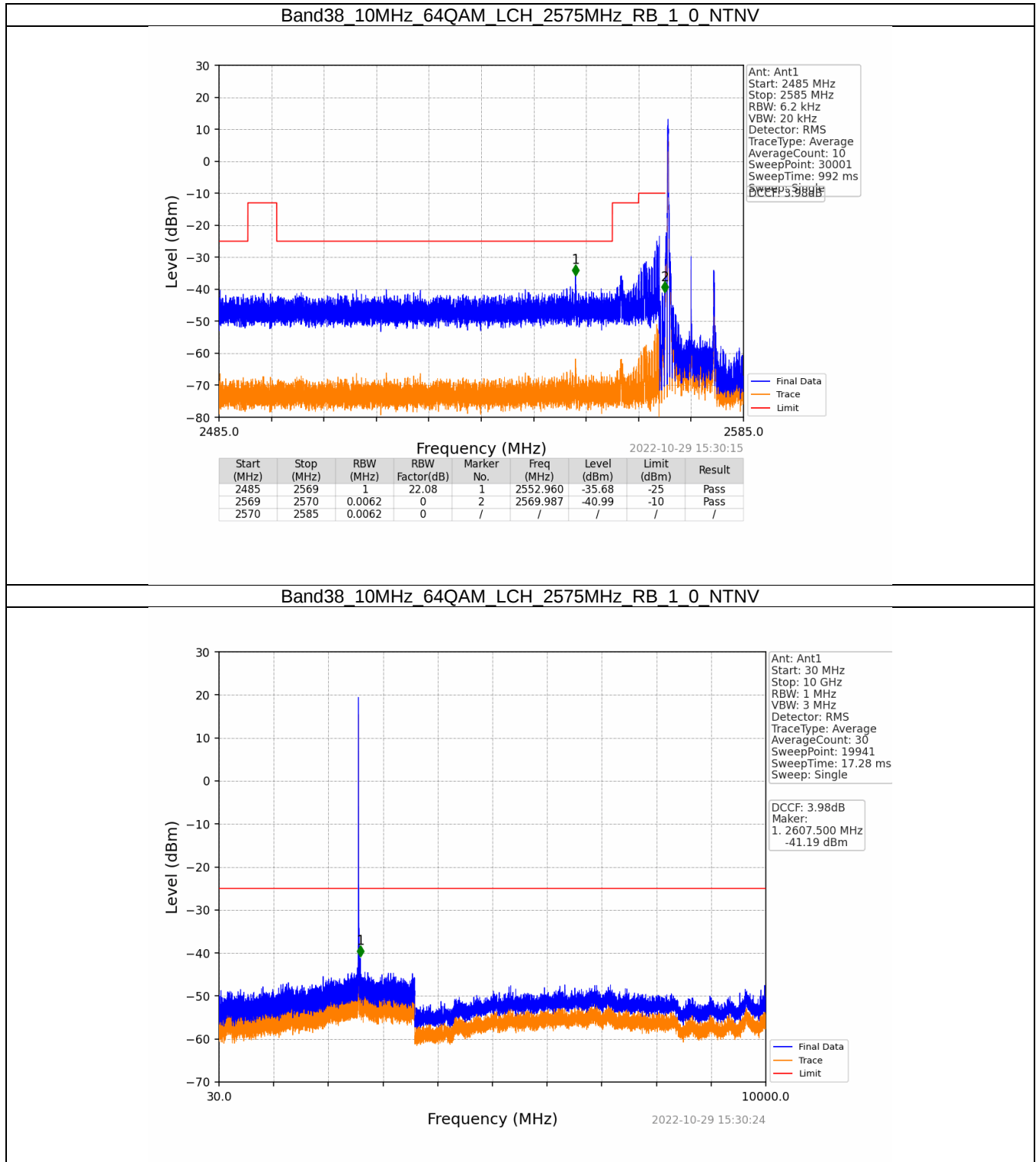
6.2 B38_10MHz

6.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
64QAM	2575	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2615	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
QPSK	2575	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2615	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	2575	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2615	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

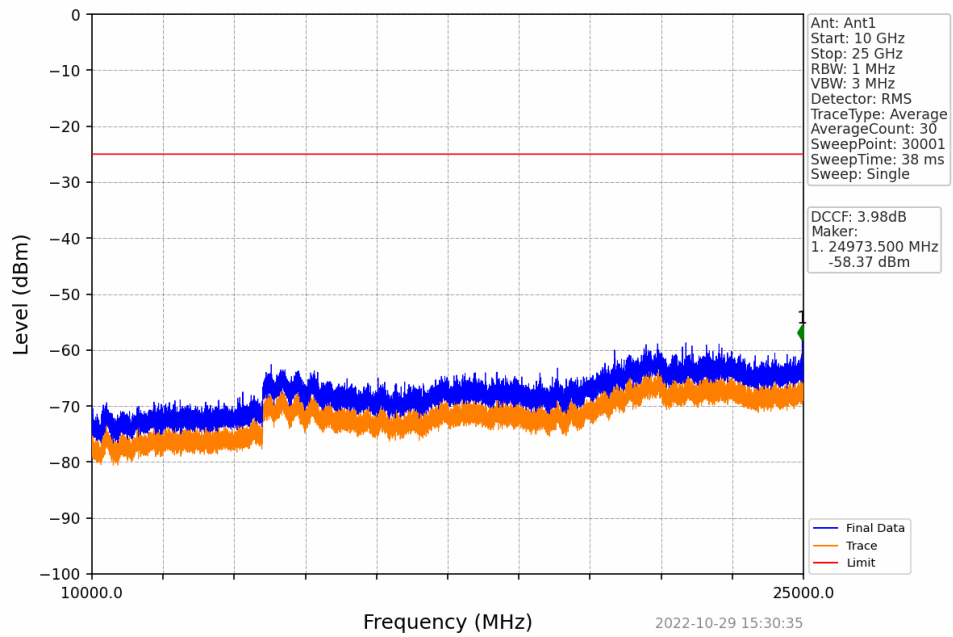


6.2.2 Test Graph

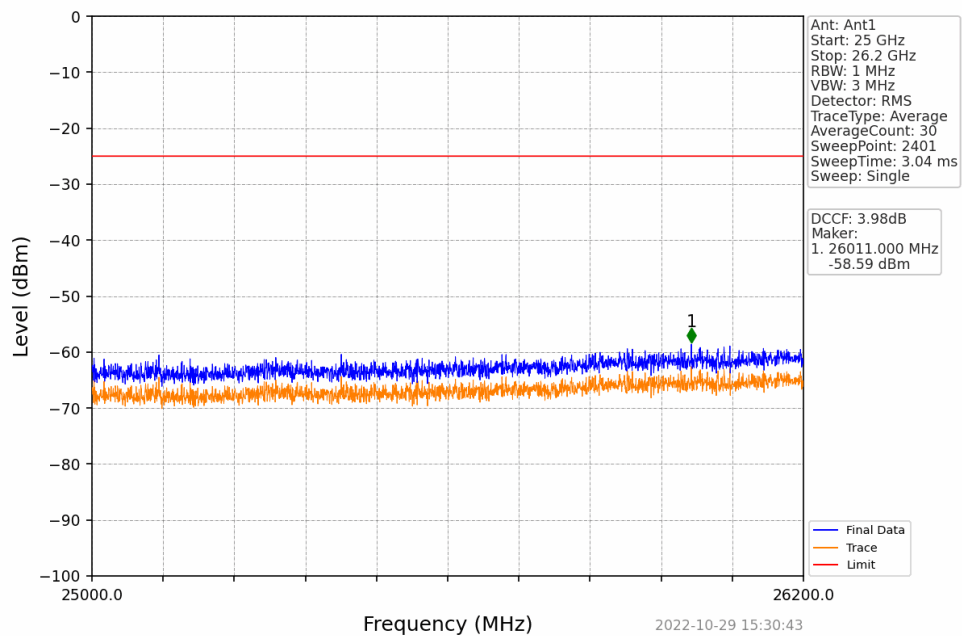




Band38_10MHz_64QAM_LCH_2575MHz_RB_1_0_NTNV

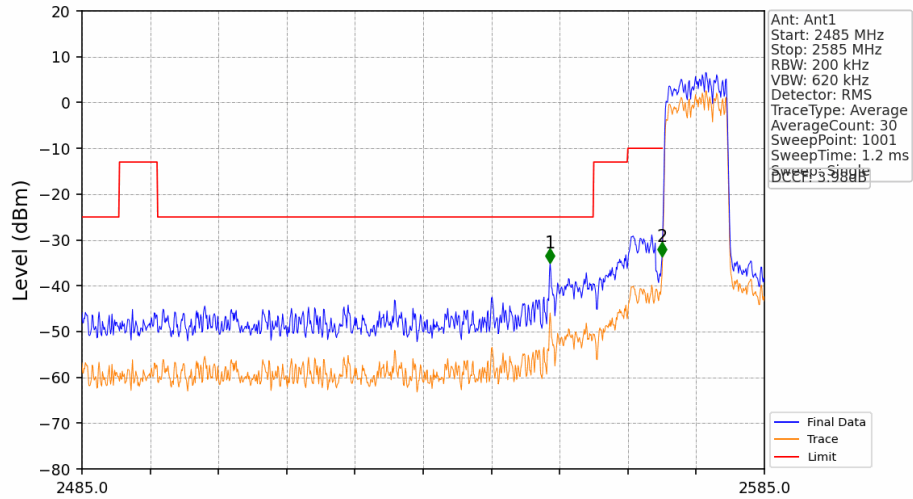


Band38_10MHz_64QAM_LCH_2575MHz_RB_1_0_NTNV





Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	6.99	1	2553.600	-34.98	-25	Pass
2569	2570	0.2	0	2	2570.000	-33.59	-10	Pass
2570	2585	0.2	0	/	/	/	/	/

Band38_10MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV

