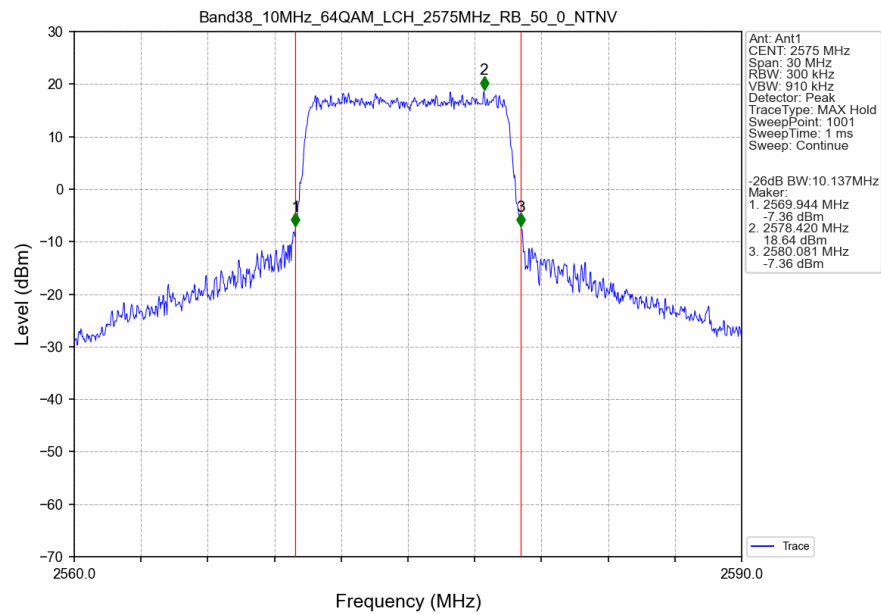
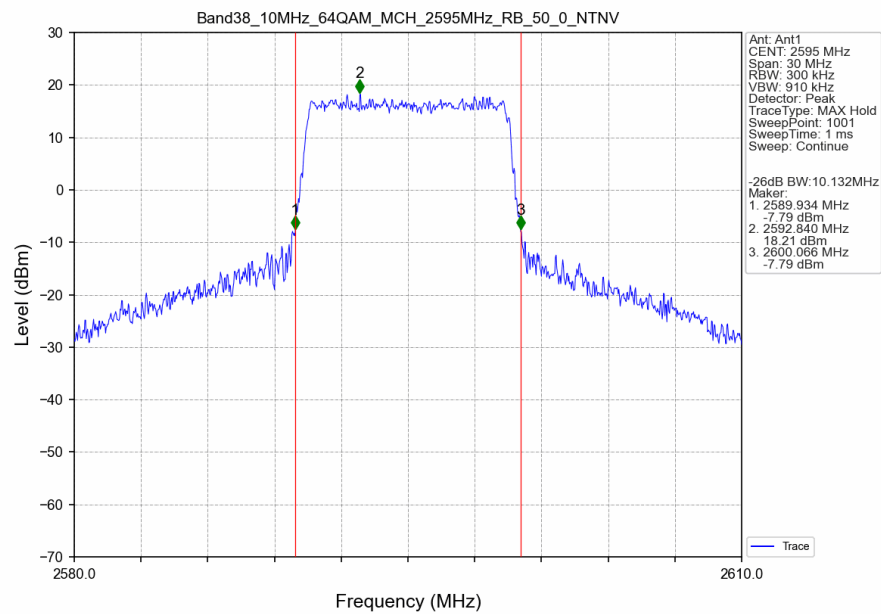


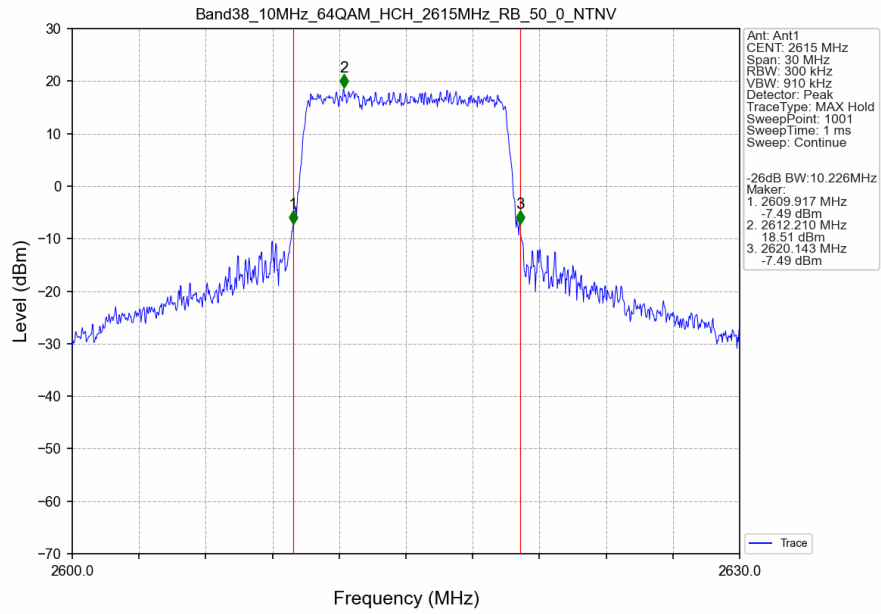
Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV



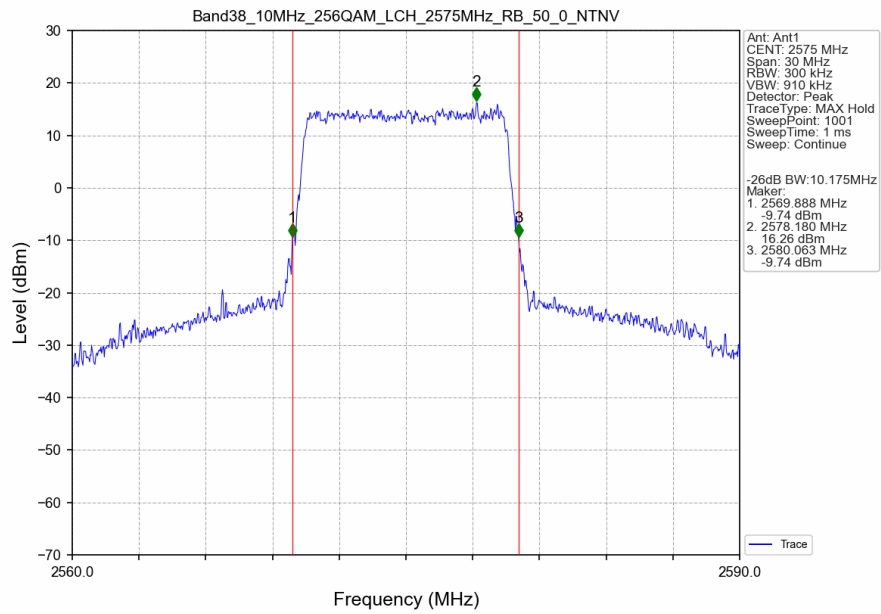
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



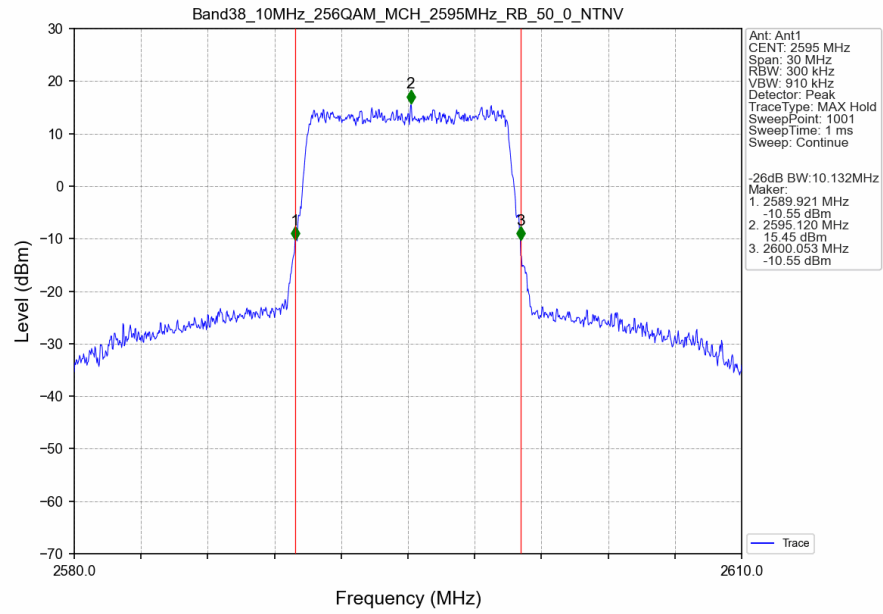
Band38 10MHz 64QAM HCH 2615MHz RB 50 0 NTV



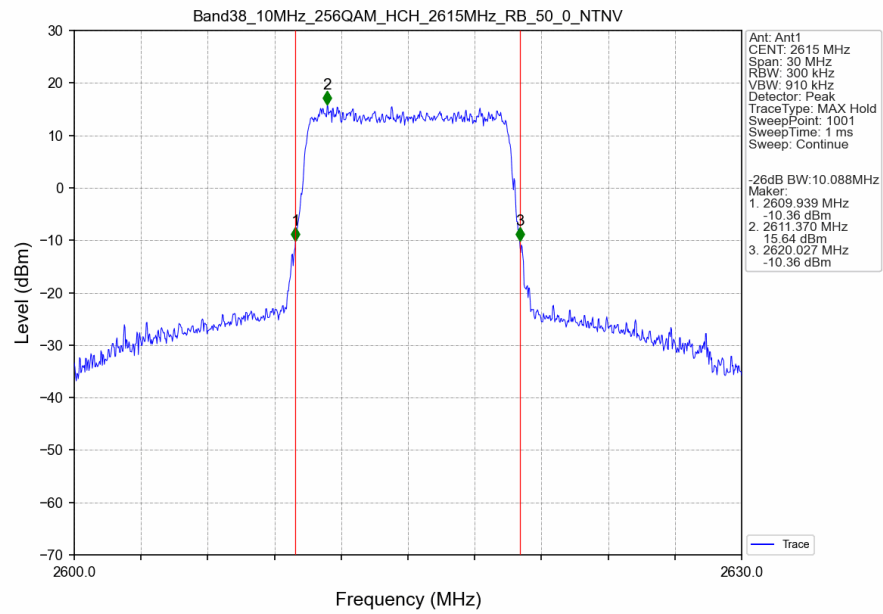
Band38 10MHz 256QAM LCH 2575MHz RB 50 0 NTV



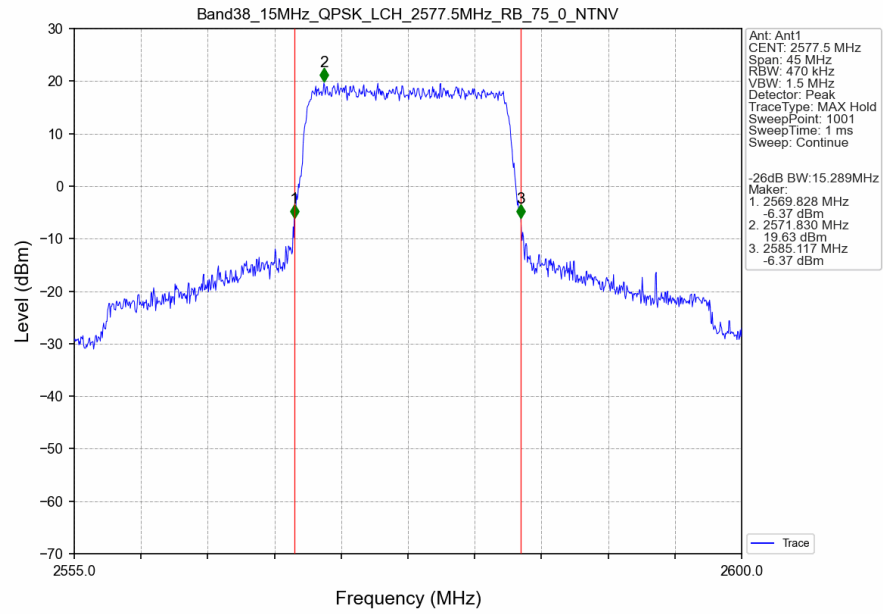
Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



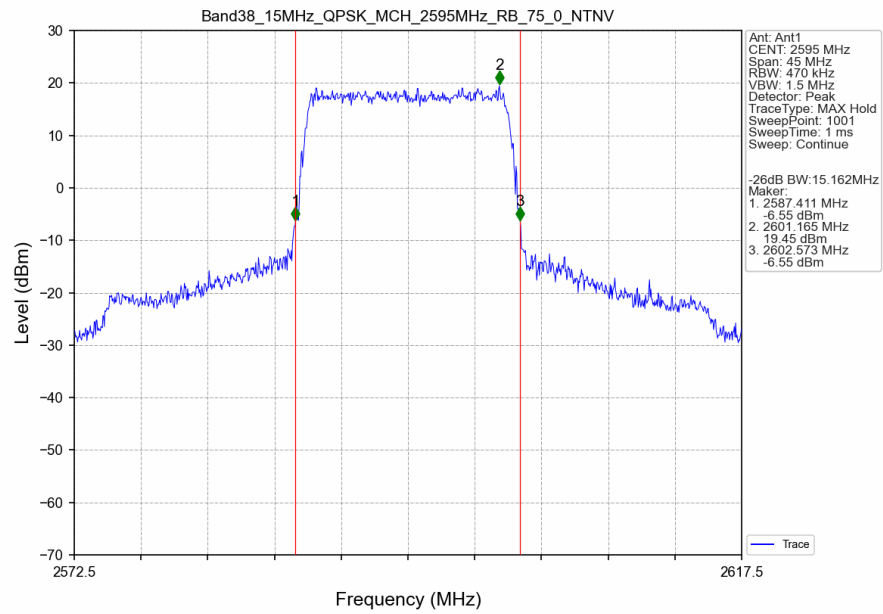
Band38_10MHz_256QAM_HCH_2615MHz_RB_50_0_NTNV



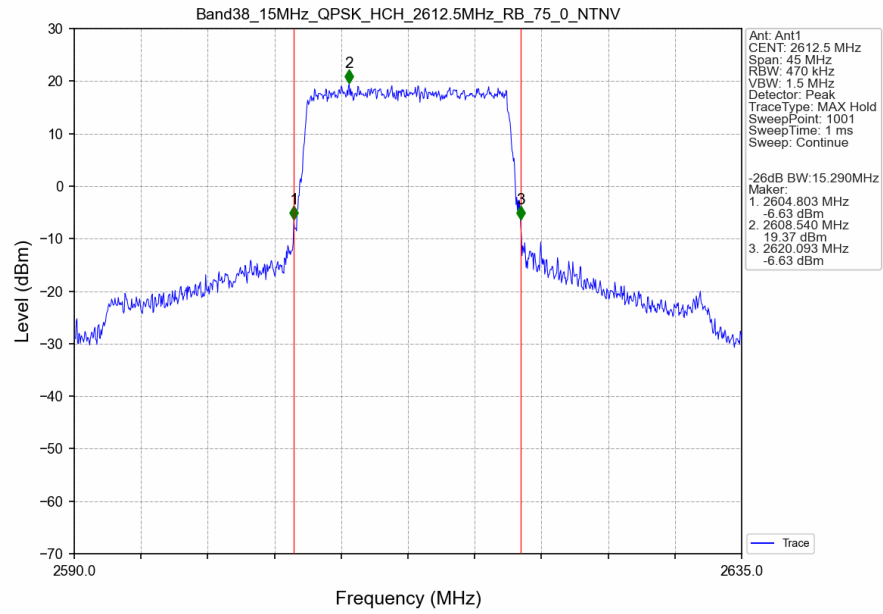
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



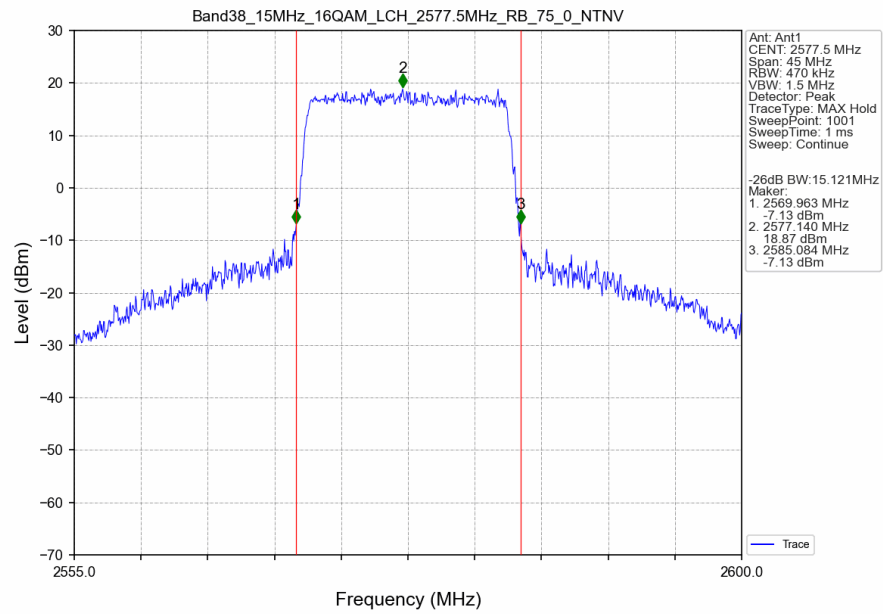
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



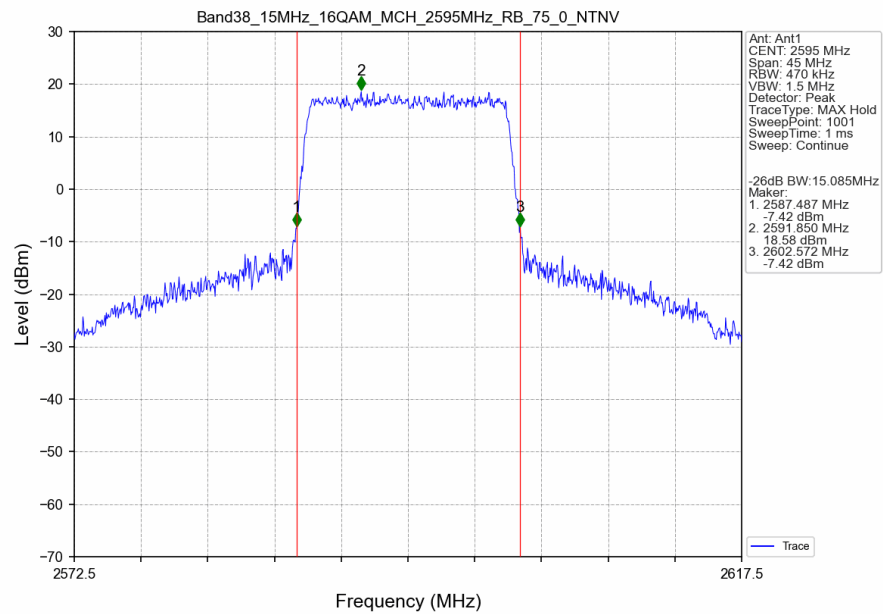
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



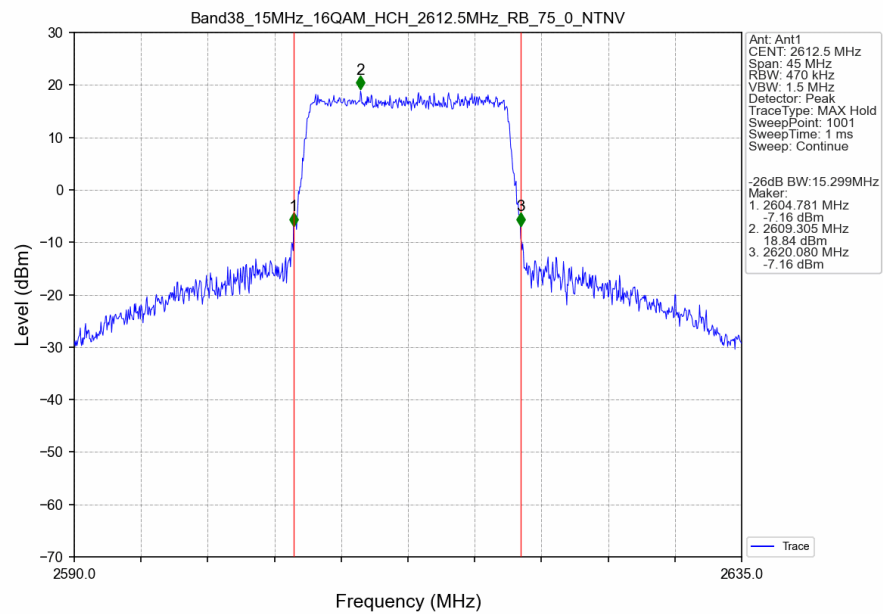
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



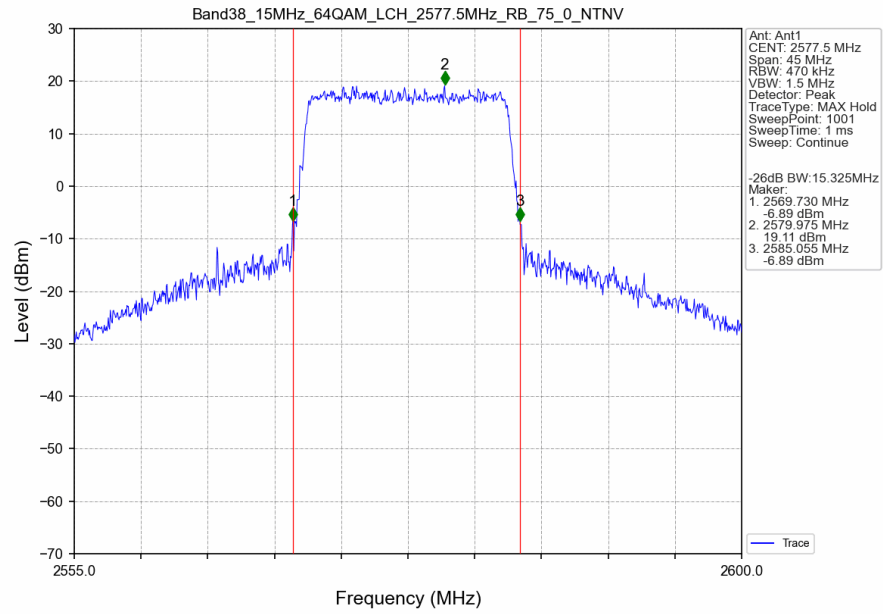
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTN



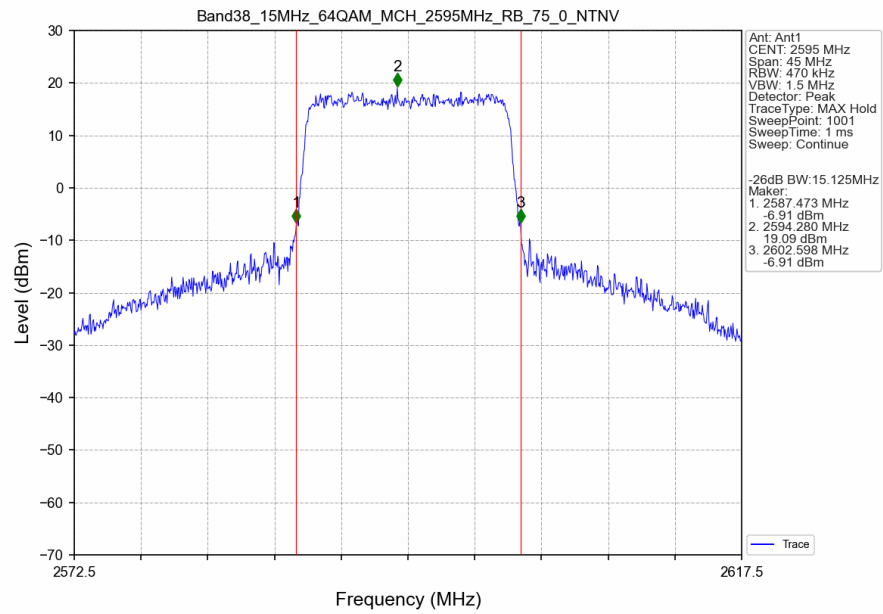
Band38 15MHz 16QAM HCH 2612.5MHz RB 75 0 NTN



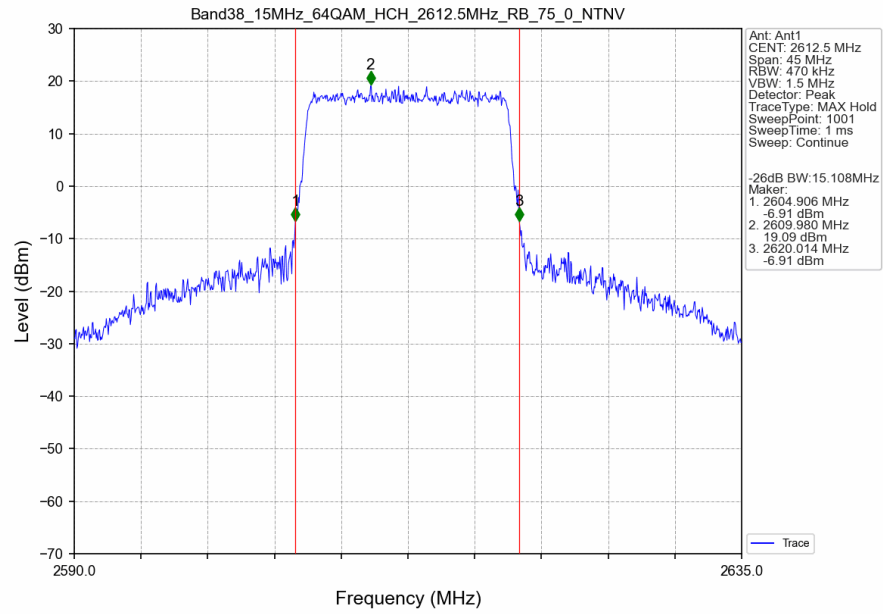
Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



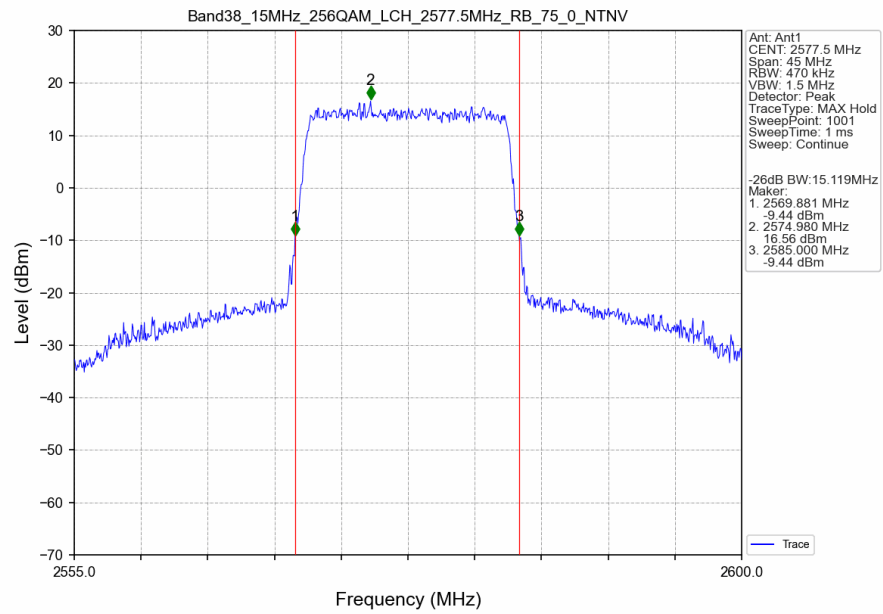
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



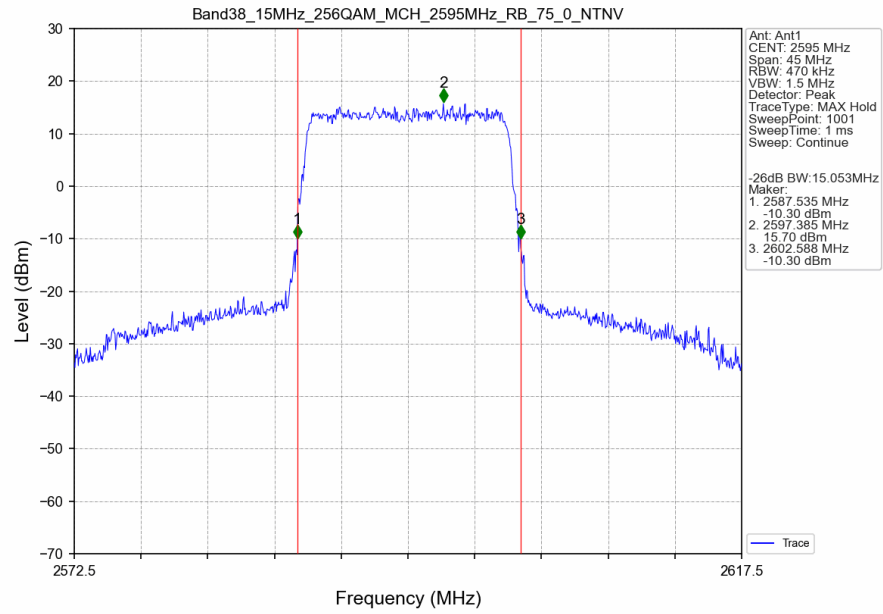
Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



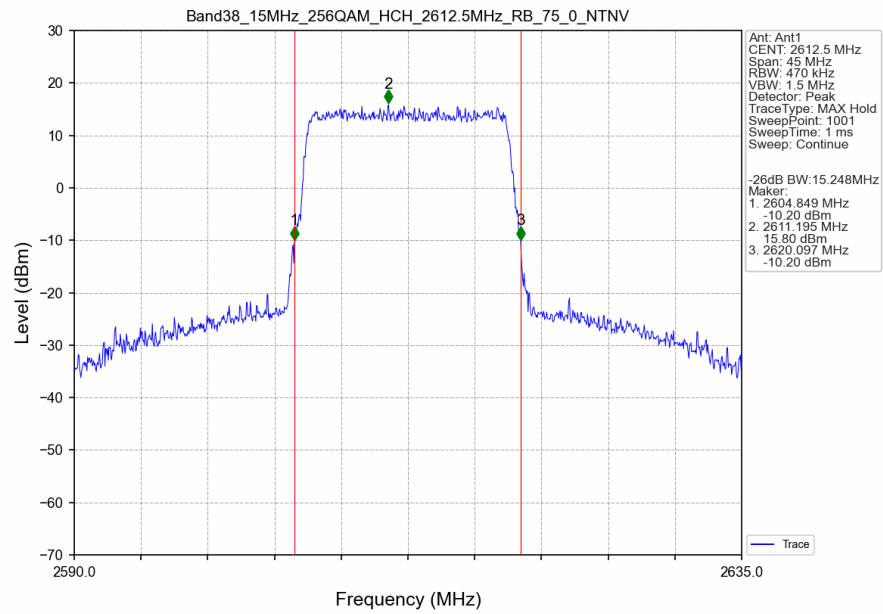
Band38_15MHz_256QAM_LCH_2577.5MHz_RB_75_0_NTNV



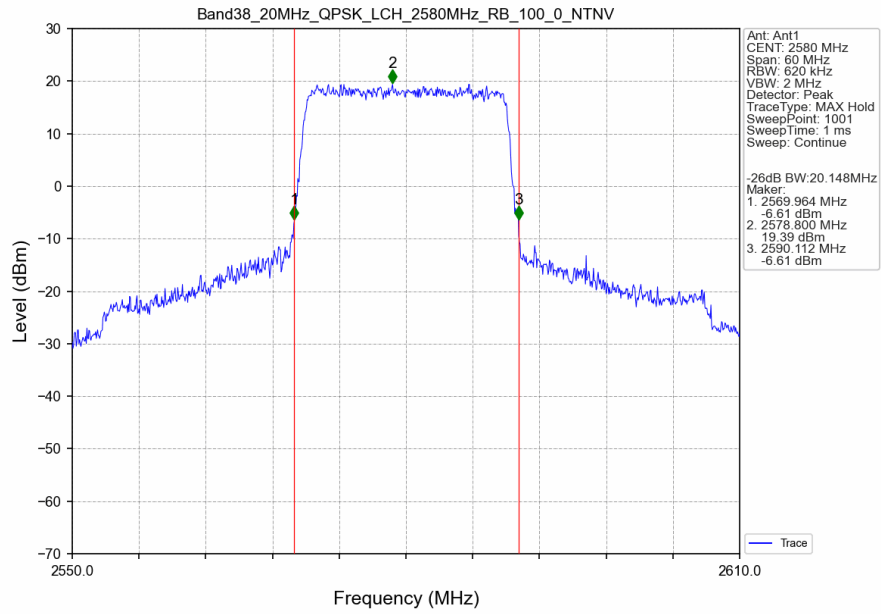
Band38_15MHz_256QAM_MCH_2595MHz_RB_75_0_NTNV



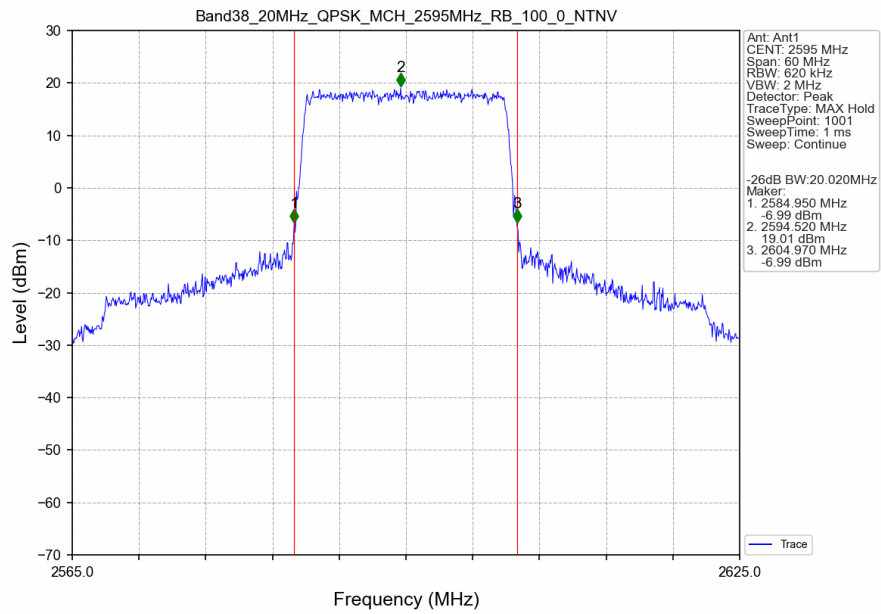
Band38_15MHz_256QAM_HCH_2612.5MHz_RB_75_0_NTNV



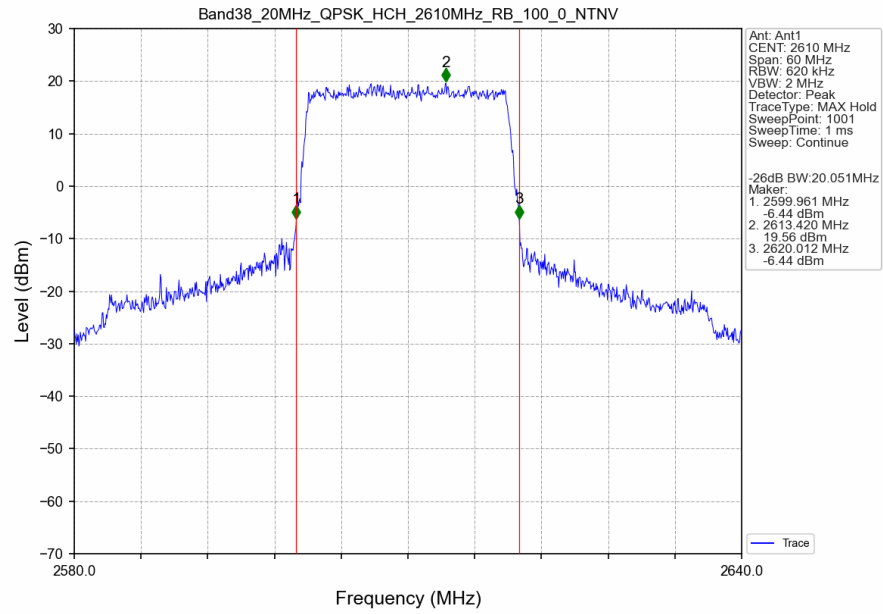
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTV



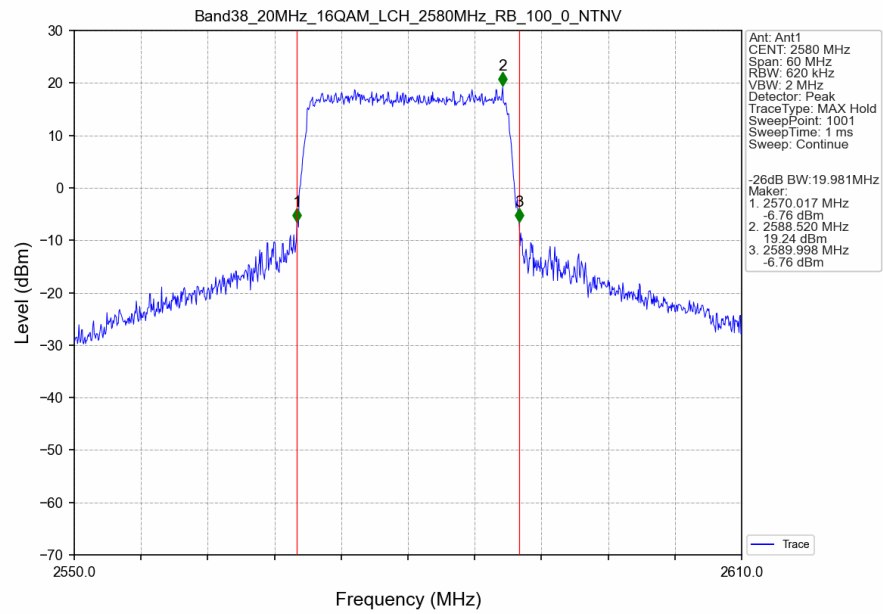
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTV



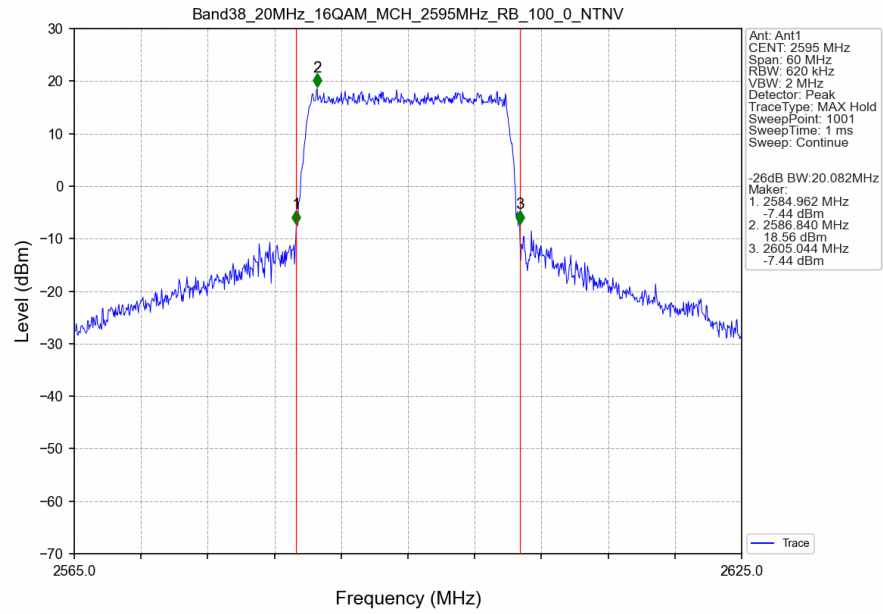
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



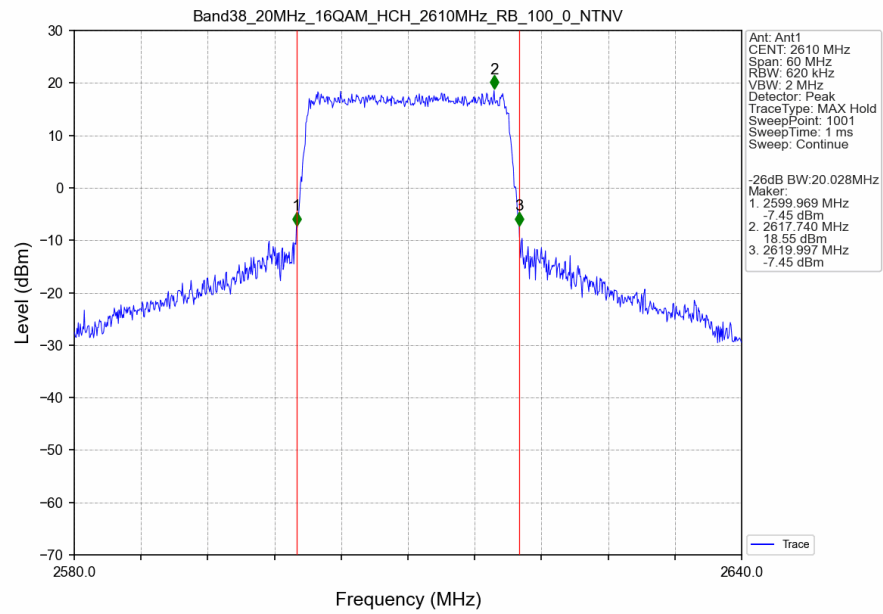
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTN



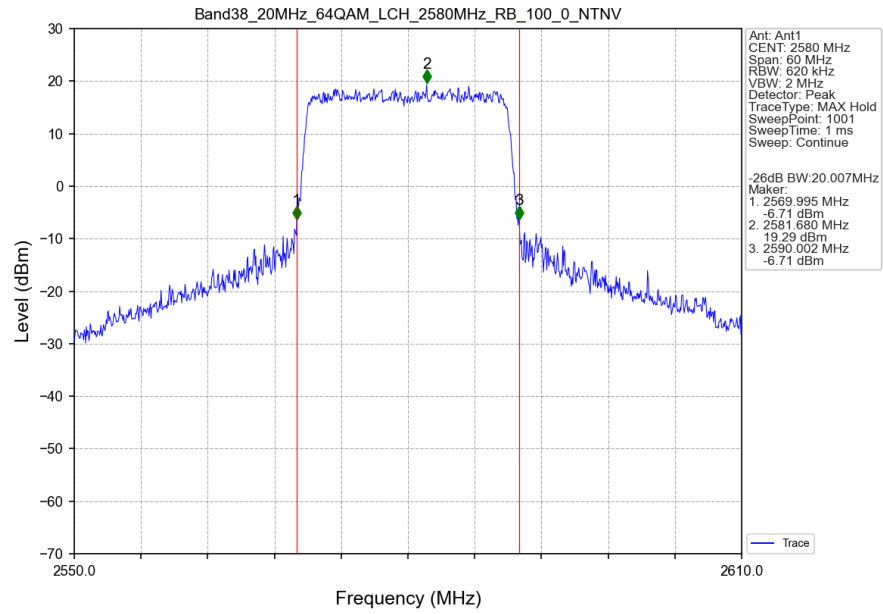
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



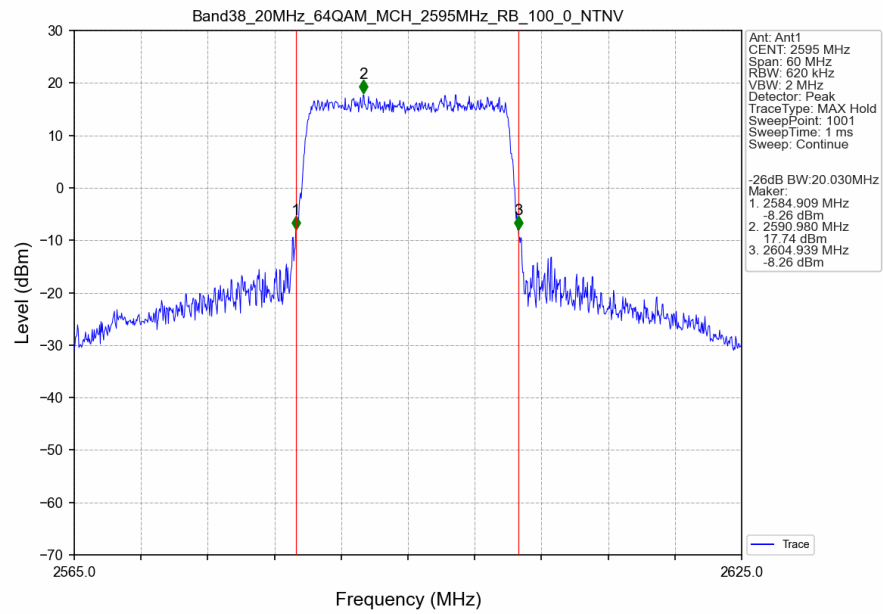
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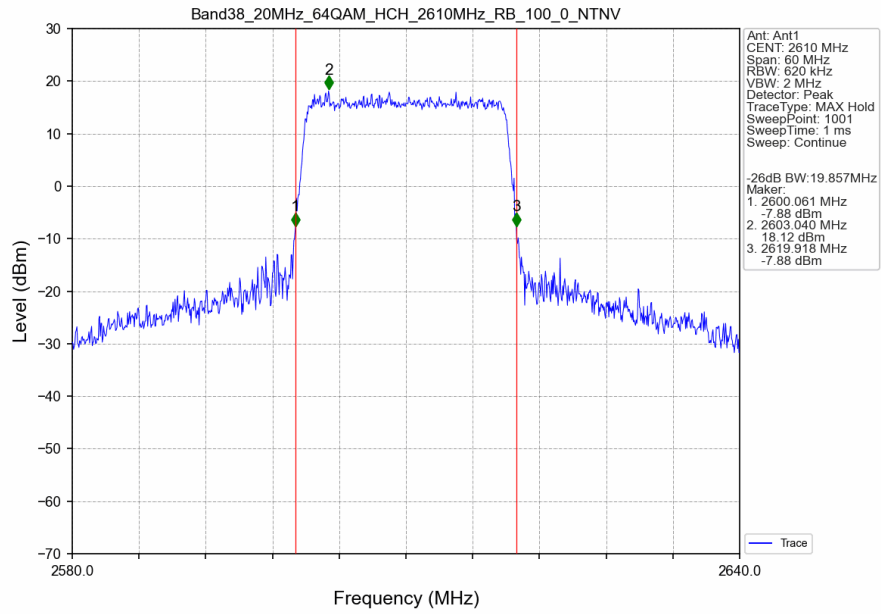
Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



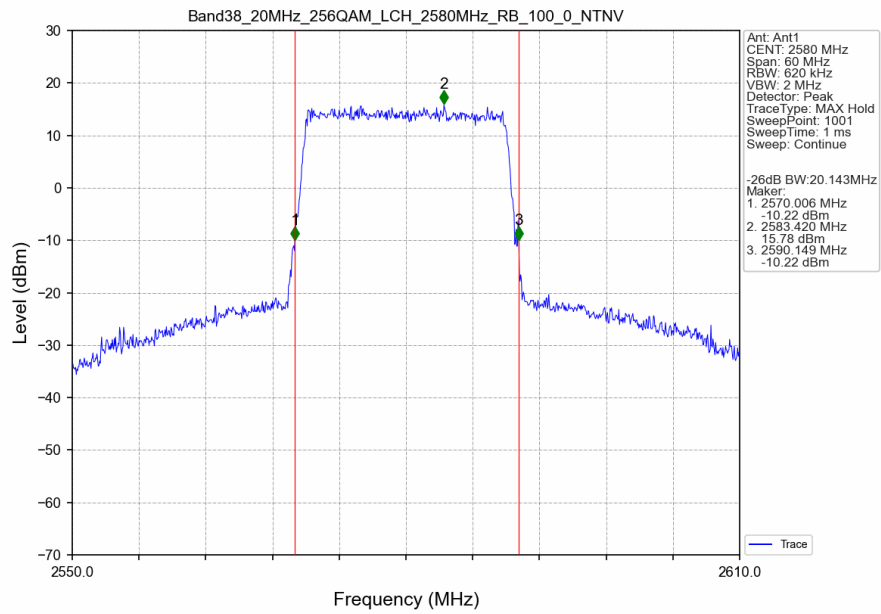
Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



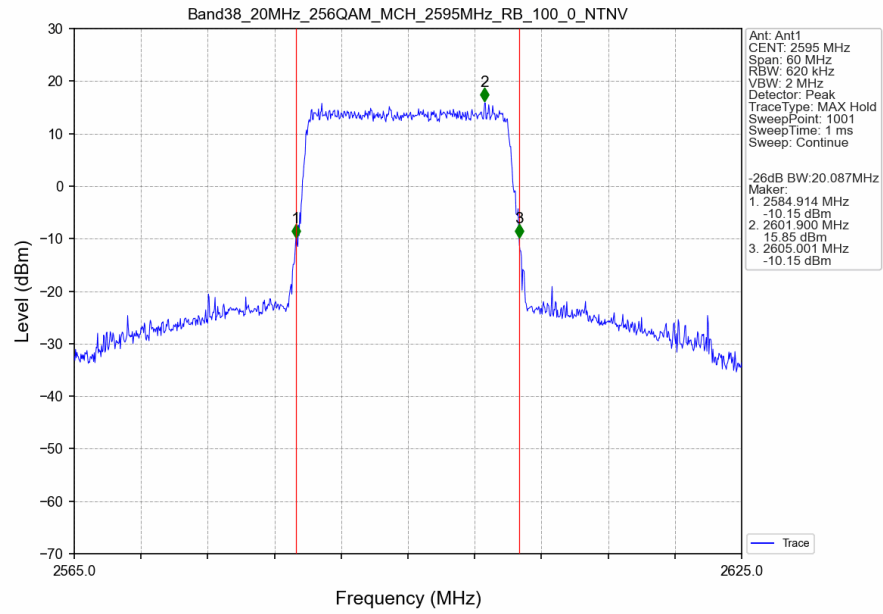
Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV



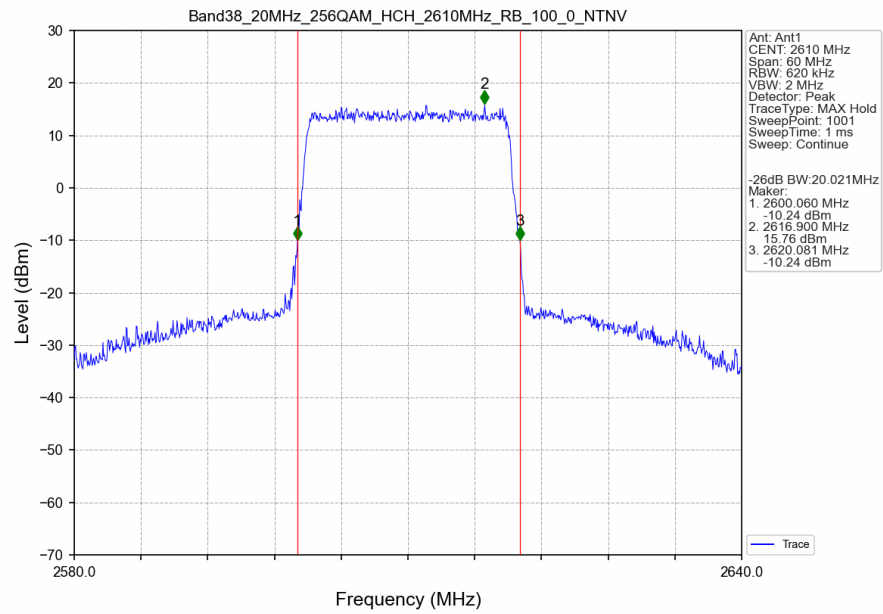
Band38_20MHz_256QAM_LCH_2580MHz_RB_100_0_NTNV



Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTN



Band38 20MHz 256QAM HCH 2610MHz RB 100 0 NTN



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	25	0	7.34	<=13	Pass
	2595	25	0	7.15	<=13	Pass
	2617.5	25	0	7.34	<=13	Pass
16QAM	2572.5	25	0	8.05	<=13	Pass
	2595	25	0	7.91	<=13	Pass
	2617.5	25	0	8.05	<=13	Pass
64QAM	2572.5	25	0	8.00	<=13	Pass
	2595	25	0	7.97	<=13	Pass
	2617.5	25	0	8.13	<=13	Pass
256QAM	2572.5	25	0	8.71	<=13	Pass
	2595	25	0	8.67	<=13	Pass
	2617.5	25	0	8.68	<=13	Pass

4.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	50	0	7.36	<=13	Pass
	2595	50	0	7.21	<=13	Pass
	2615	50	0	7.41	<=13	Pass
16QAM	2575	50	0	7.96	<=13	Pass
	2595	50	0	7.95	<=13	Pass
	2615	50	0	8.01	<=13	Pass
64QAM	2575	50	0	7.85	<=13	Pass
	2595	50	0	8.01	<=13	Pass
	2615	50	0	8.15	<=13	Pass
256QAM	2575	50	0	8.63	<=13	Pass
	2595	50	0	8.68	<=13	Pass
	2615	50	0	8.66	<=13	Pass

4.1.3 B38_15MHz

Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	75	0	7.07	<=13	Pass
	2595	75	0	7.06	<=13	Pass
	2612.5	75	0	7.22	<=13	Pass
16QAM	2577.5	75	0	8.10	<=13	Pass
	2595	75	0	8.05	<=13	Pass

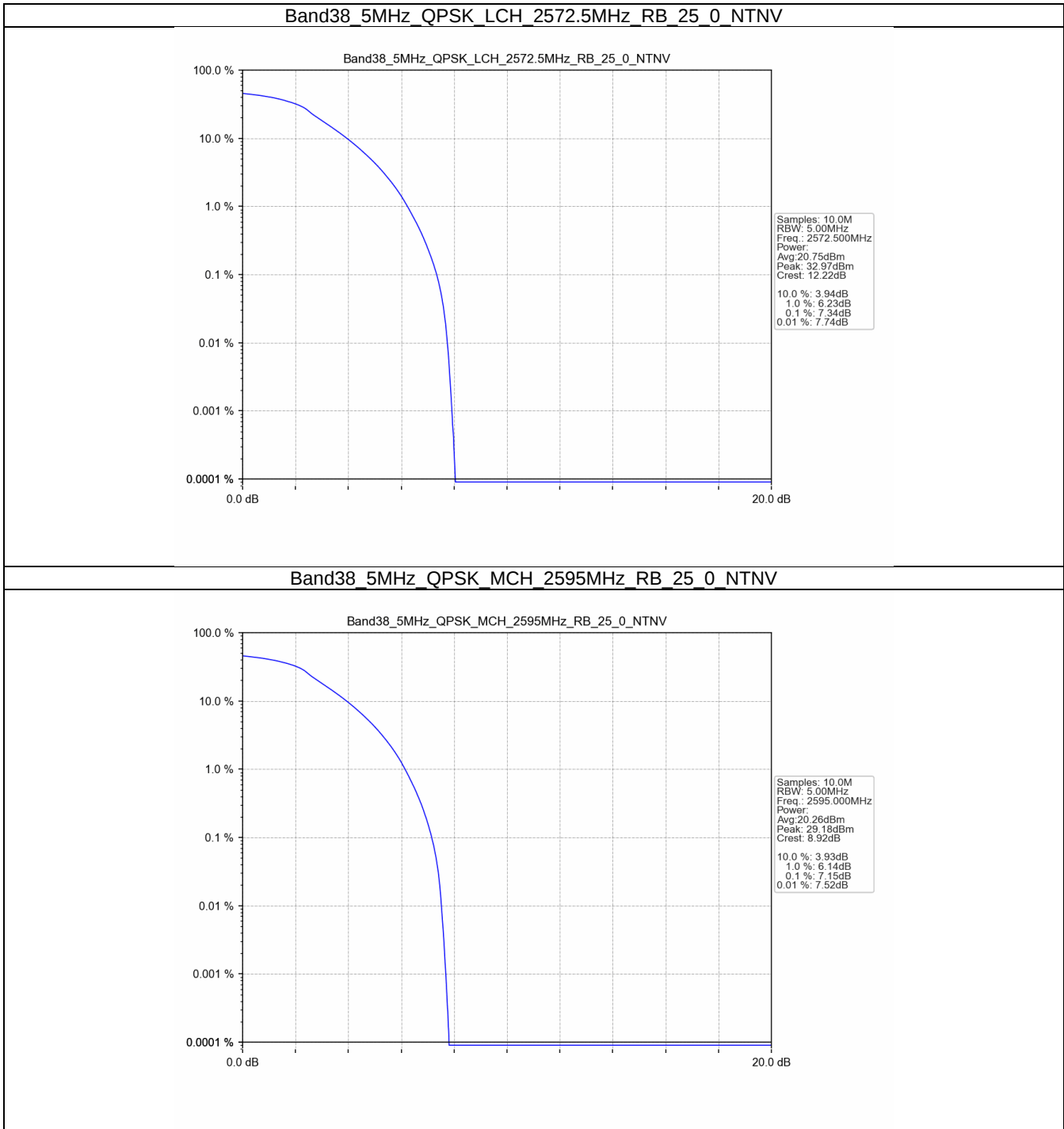
	2612.5	75	0	8.08	<=13	Pass
64QAM	2577.5	75	0	8.07	<=13	Pass
	2595	75	0	7.93	<=13	Pass
	2612.5	75	0	8.07	<=13	Pass
	2577.5	75	0	8.71	<=13	Pass
256QAM	2595	75	0	8.57	<=13	Pass
	2612.5	75	0	8.59	<=13	Pass

4.1.4 B38_20MHz

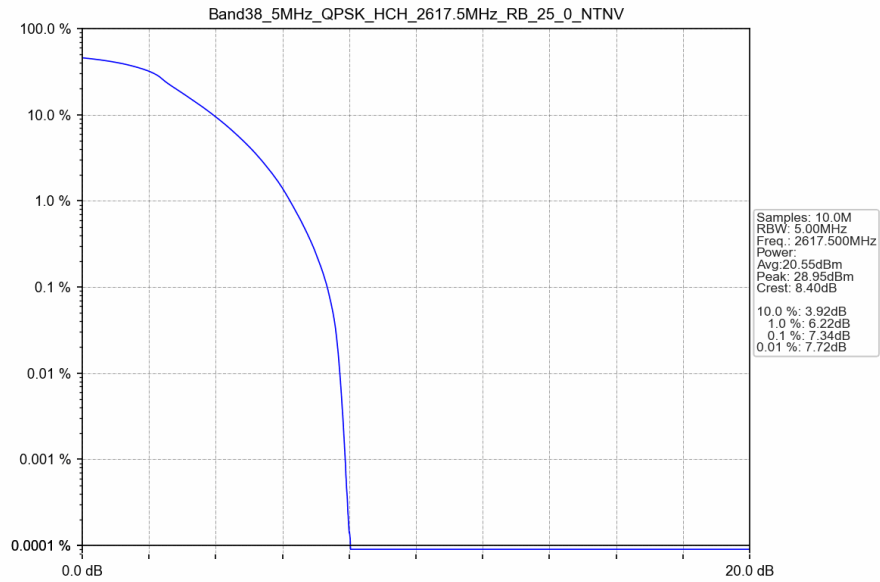
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	6.94	<=13	Pass
	2595	100	0	6.86	<=13	Pass
	2610	100	0	7.08	<=13	Pass
16QAM	2580	100	0	8.00	<=13	Pass
	2595	100	0	7.76	<=13	Pass
	2610	100	0	8.10	<=13	Pass
64QAM	2580	100	0	7.95	<=13	Pass
	2595	100	0	8.02	<=13	Pass
	2610	100	0	8.05	<=13	Pass
256QAM	2580	100	0	8.55	<=13	Pass
	2595	100	0	8.47	<=13	Pass
	2610	100	0	8.51	<=13	Pass

4.2 Test Graph

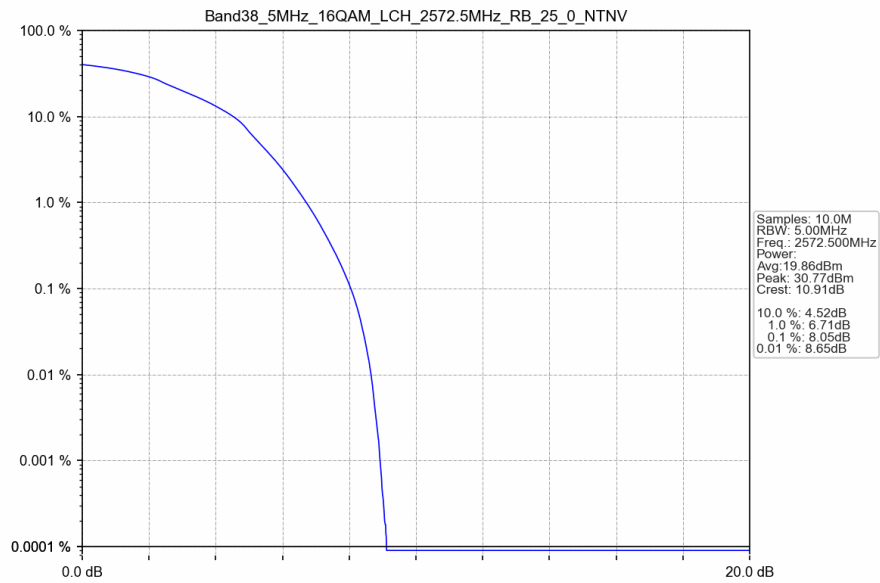
4.2.1 B38_5MHz



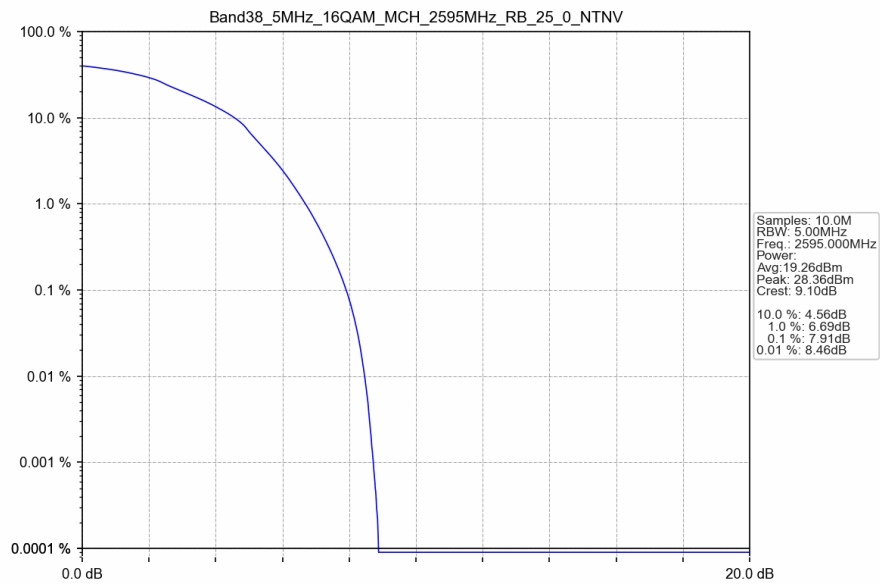
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTN



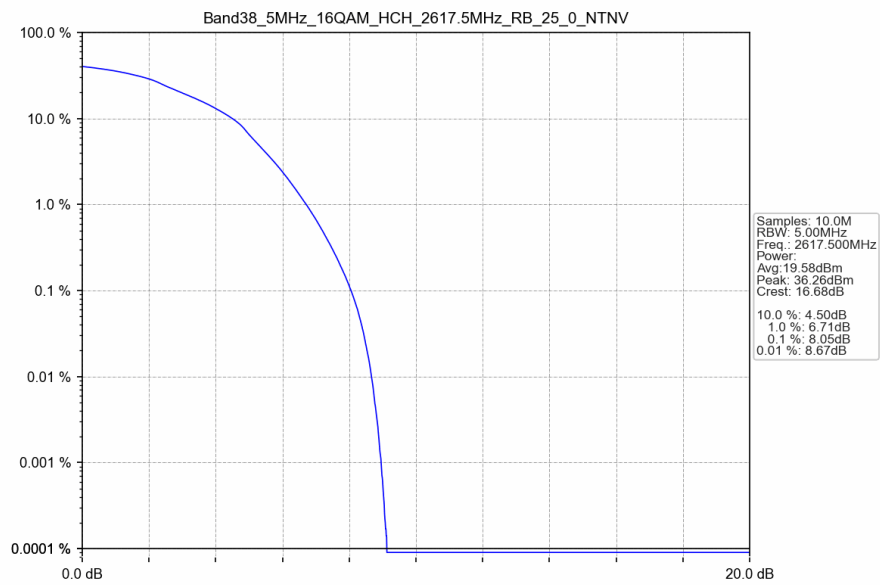
Band38 5MHz 16QAM LCH 2572.5MHz RB 25 0 NTN



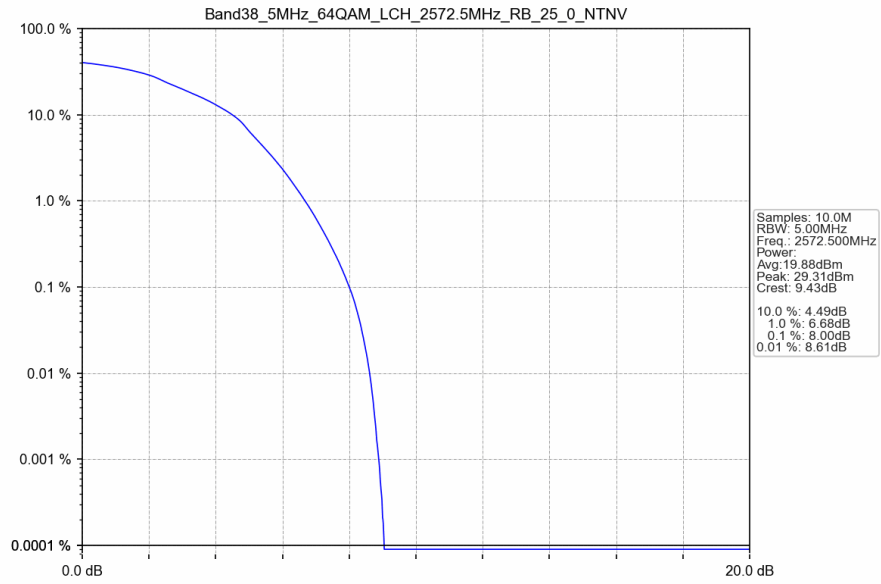
Band38 5MHz 16QAM MCH 2595MHz RB 25 0 NTV



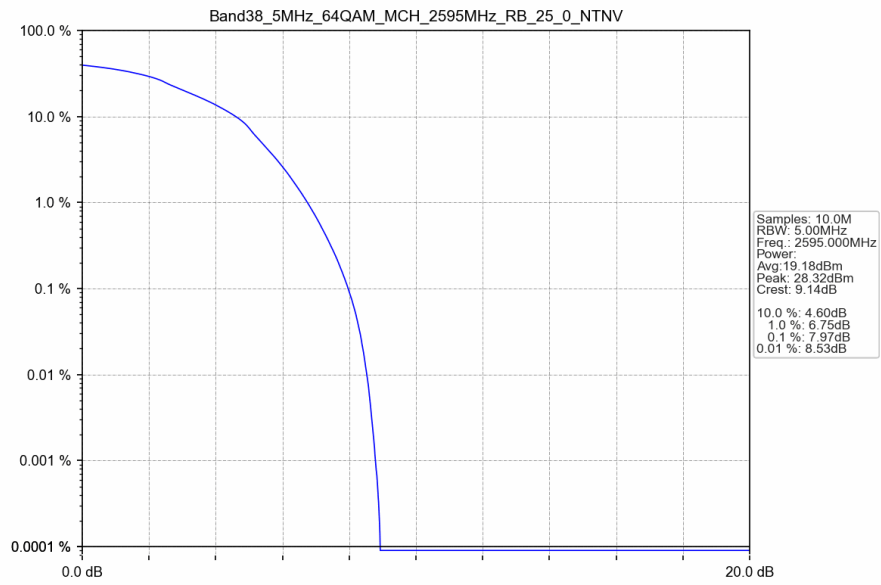
Band38 5MHz 16QAM HCH 2617.5MHz RB 25 0 NTV



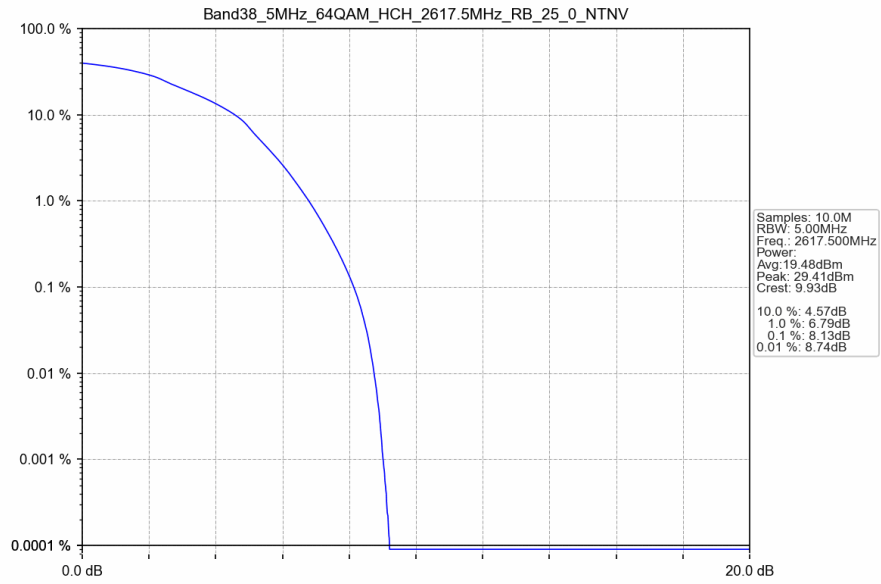
Band38 5MHz 64QAM LCH 2572.5MHz RB 25 0 NTNV



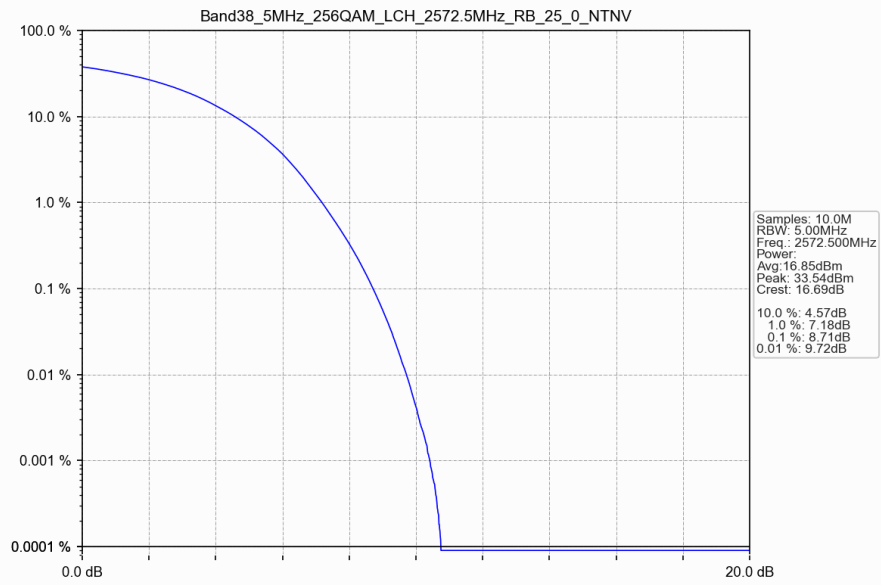
Band38 5MHz 64QAM MCH 2595MHz RB 25 0 NTNV



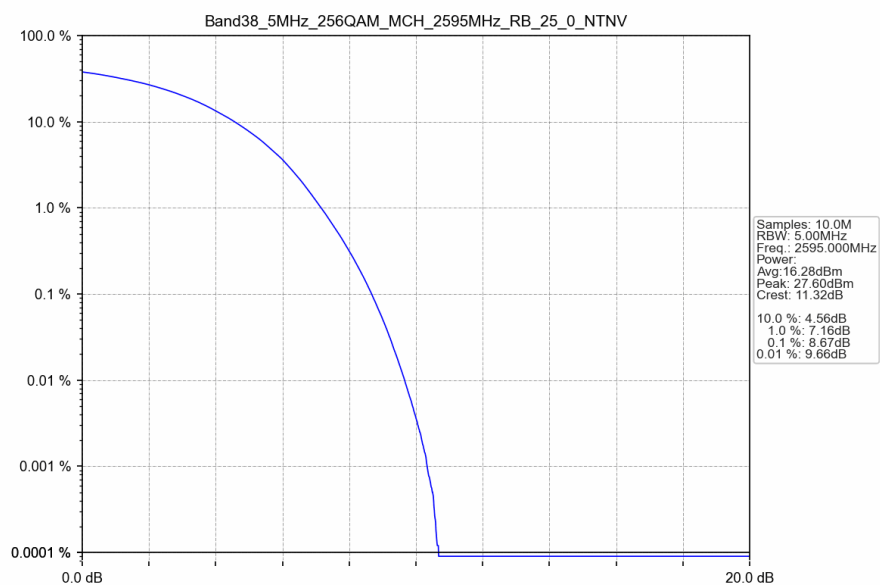
Band38 5MHz 64QAM HCH 2617.5MHz RB 25_0 NTNv



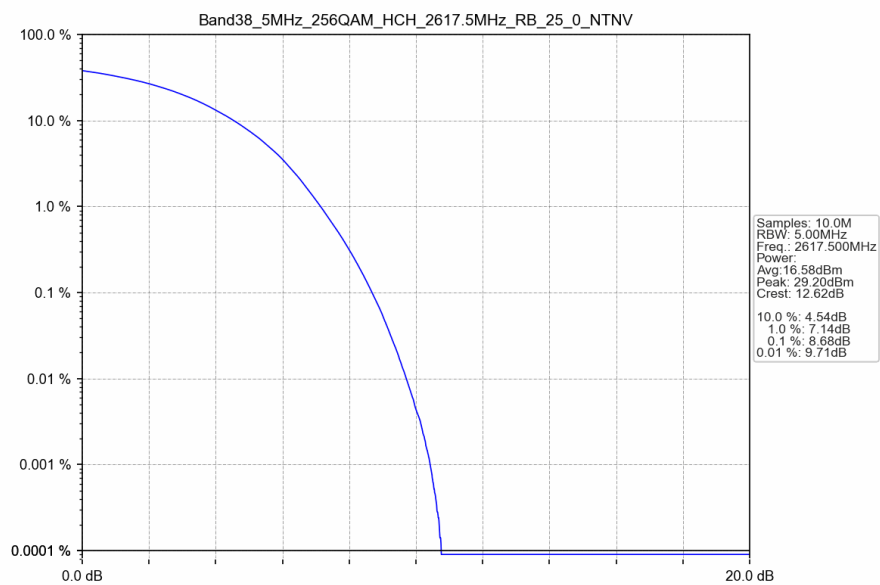
Band38 5MHz 256QAM LCH 2572.5MHz RB 25_0 NTNv



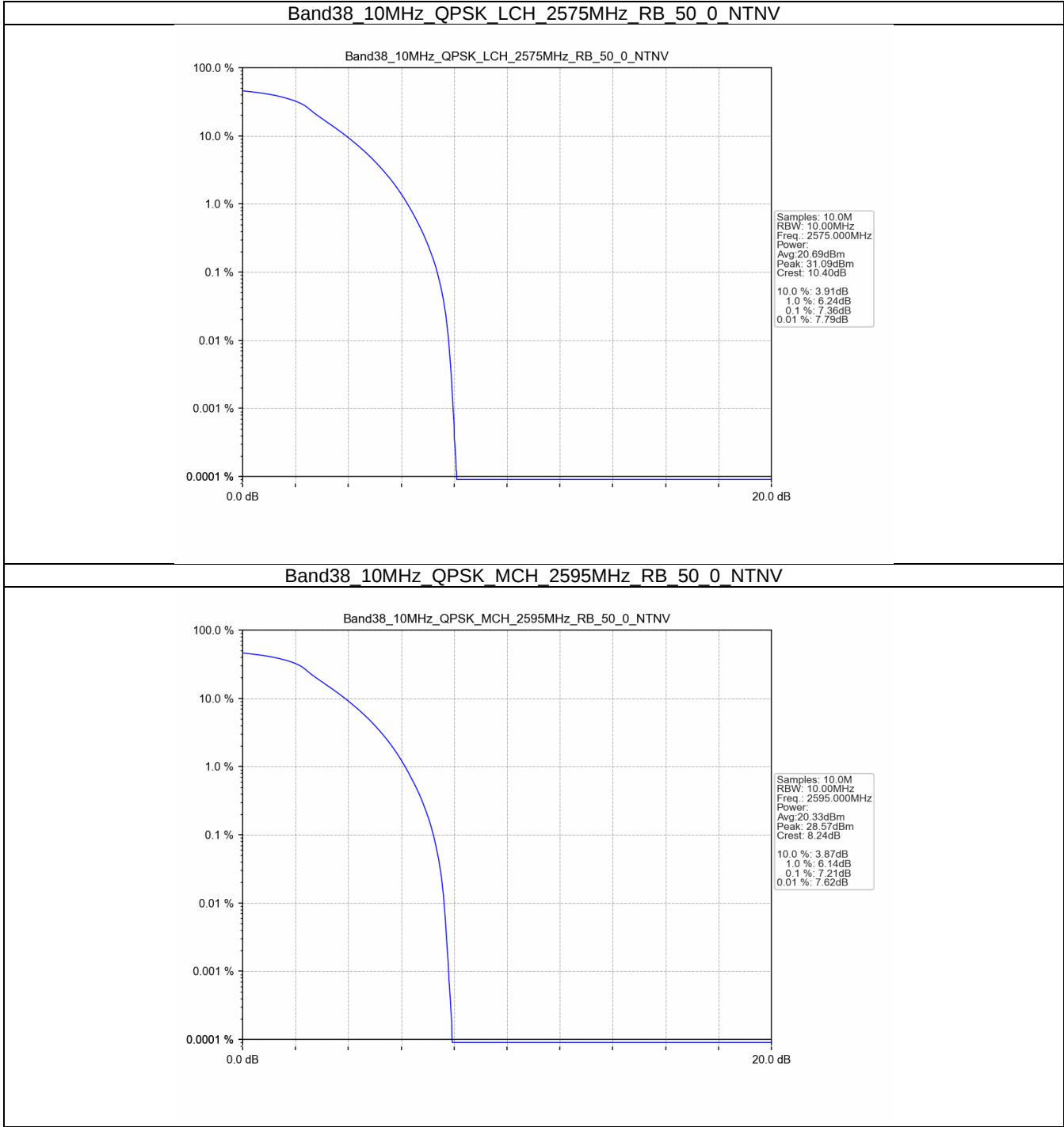
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTNV



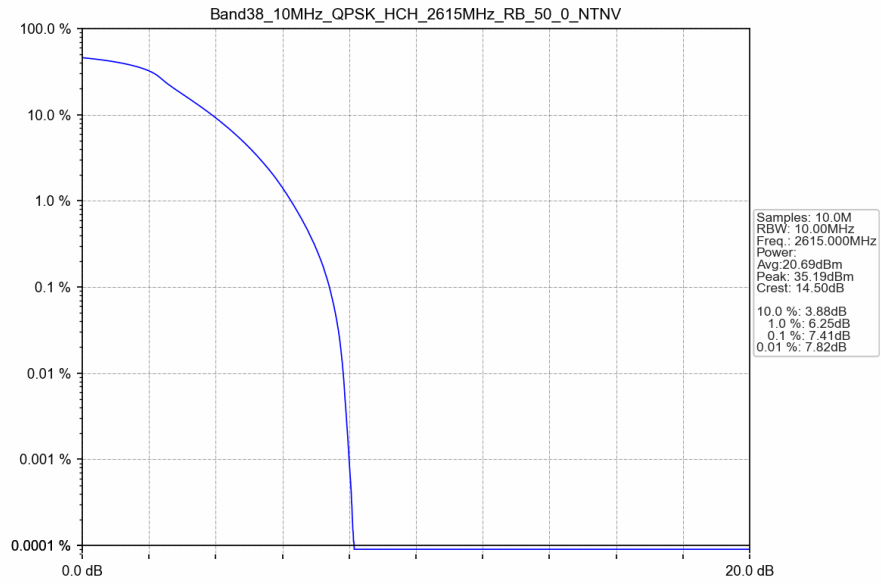
Band38 5MHz 256QAM HCH 2617.5MHz RB 25 0 NTNV



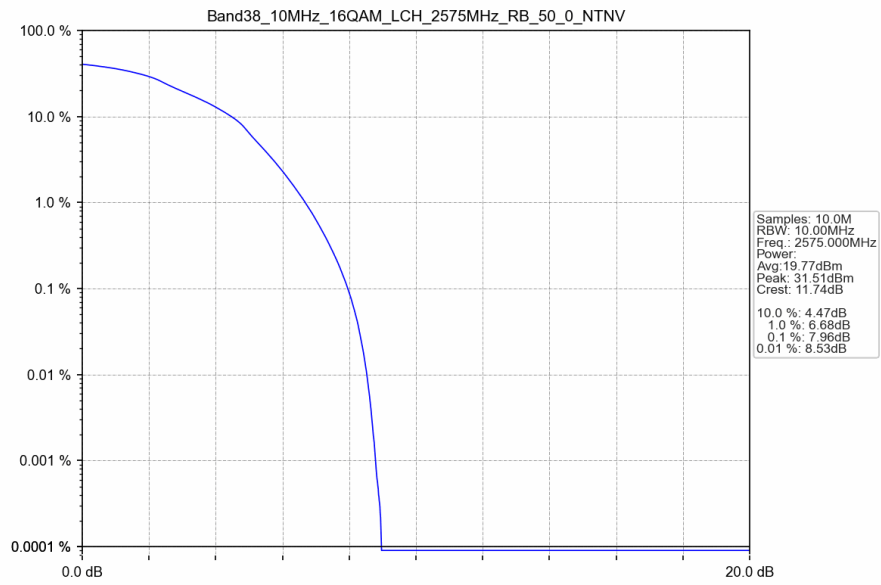
4.2.2 B38_10MHz



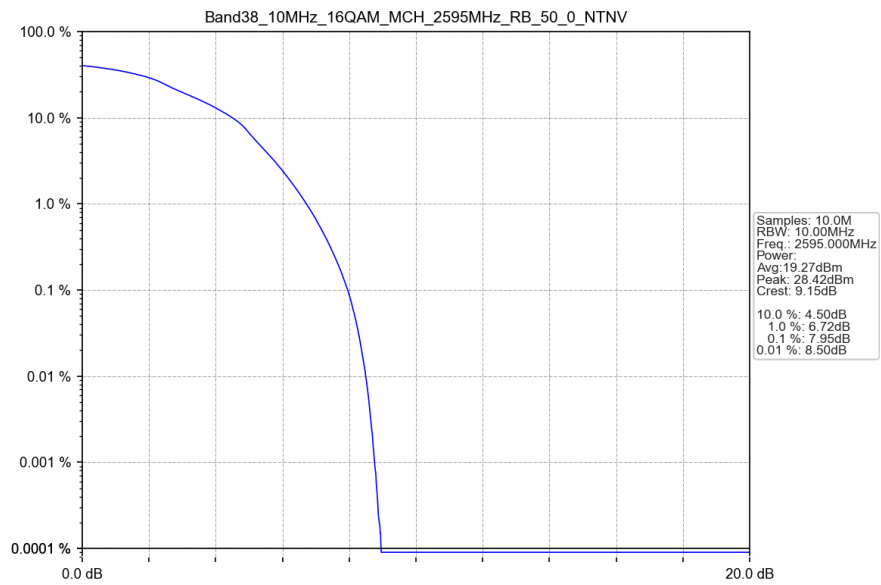
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



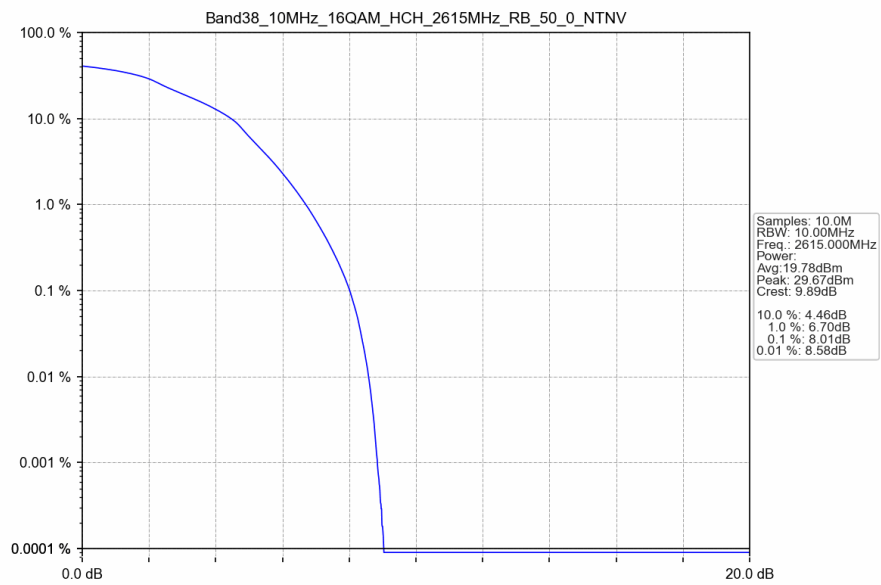
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



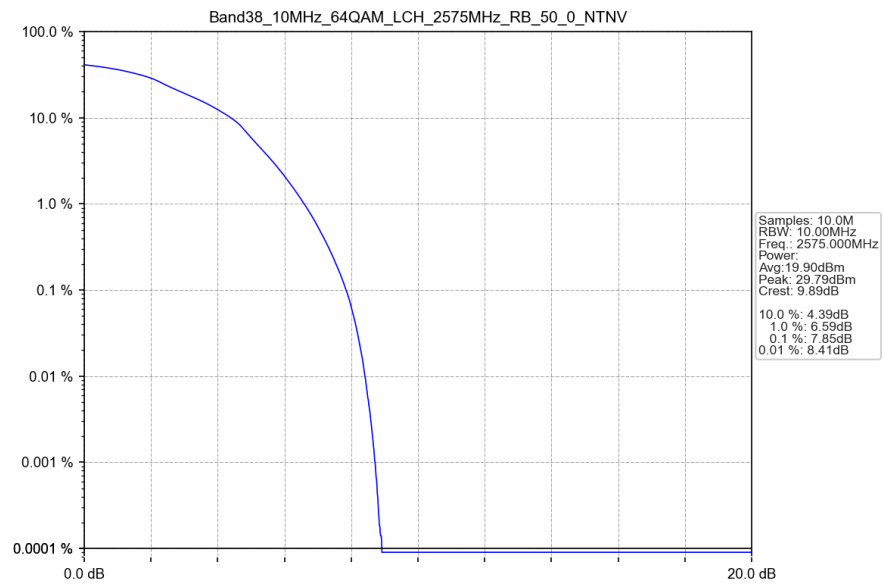
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTN



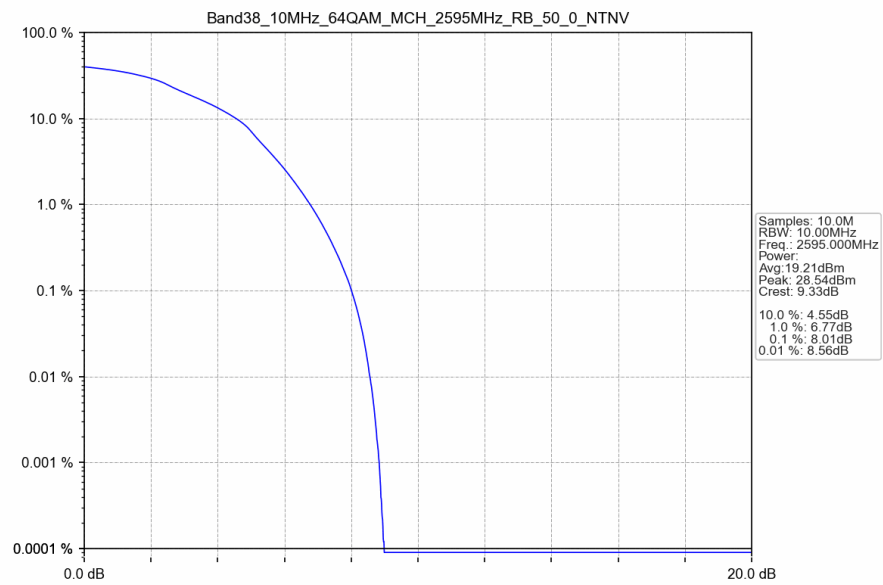
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTN



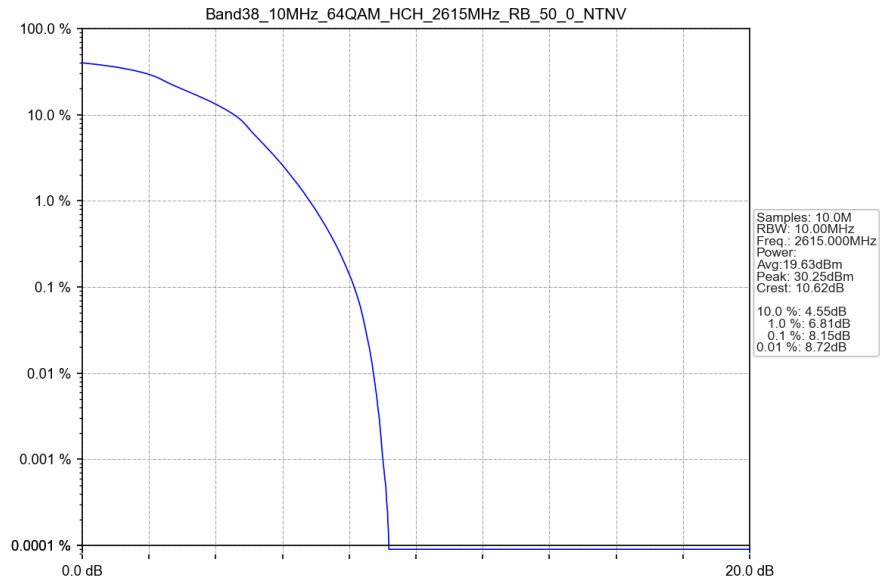
Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV



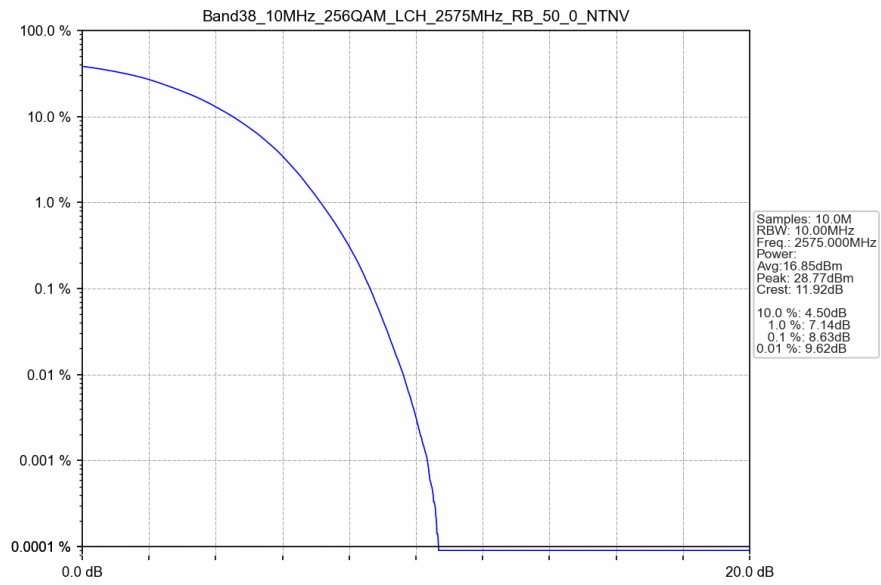
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



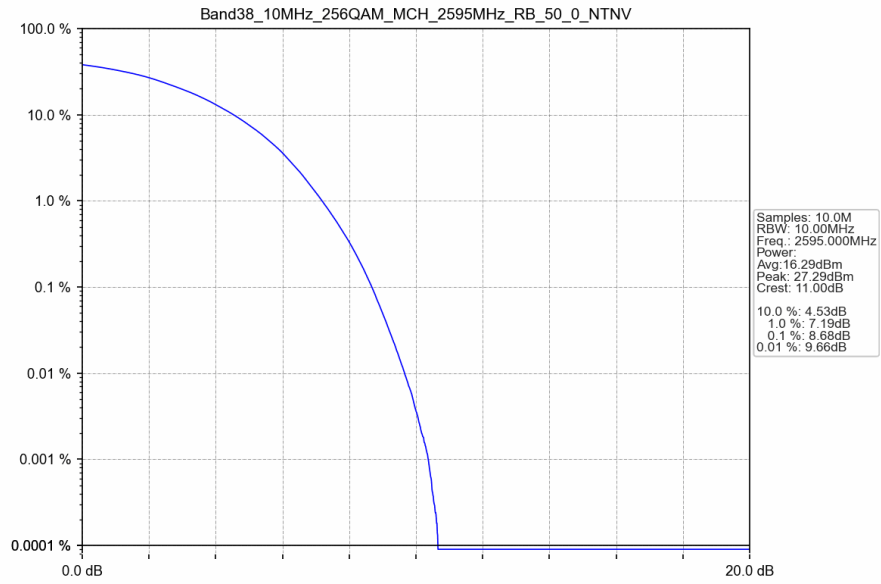
Band38 10MHz 64QAM HCH 2615MHz RB 50 0 NTN



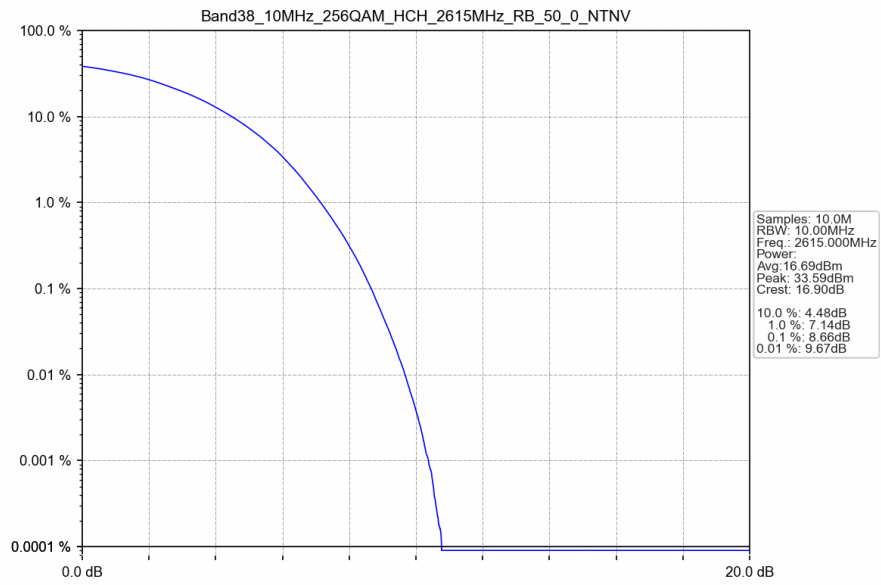
Band38 10MHz 256QAM LCH 2575MHz RB 50 0 NTN



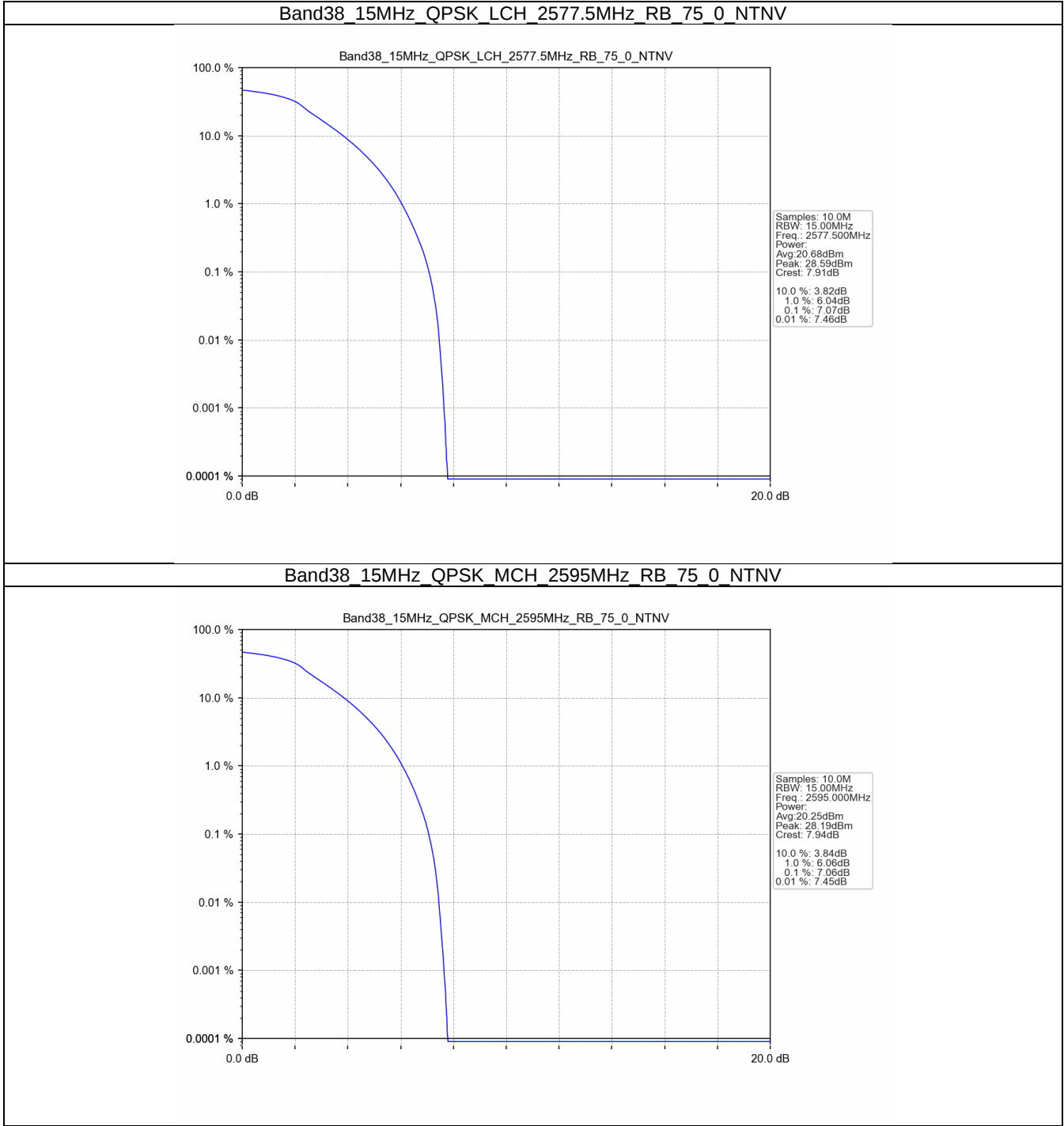
Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



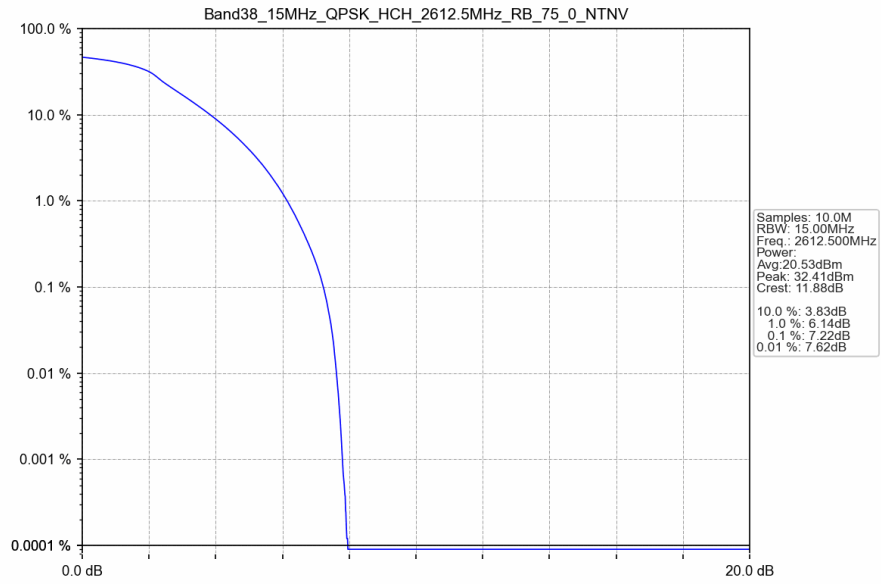
Band38_10MHz_256QAM_HCH_2615MHz_RB_50_0_NTNV



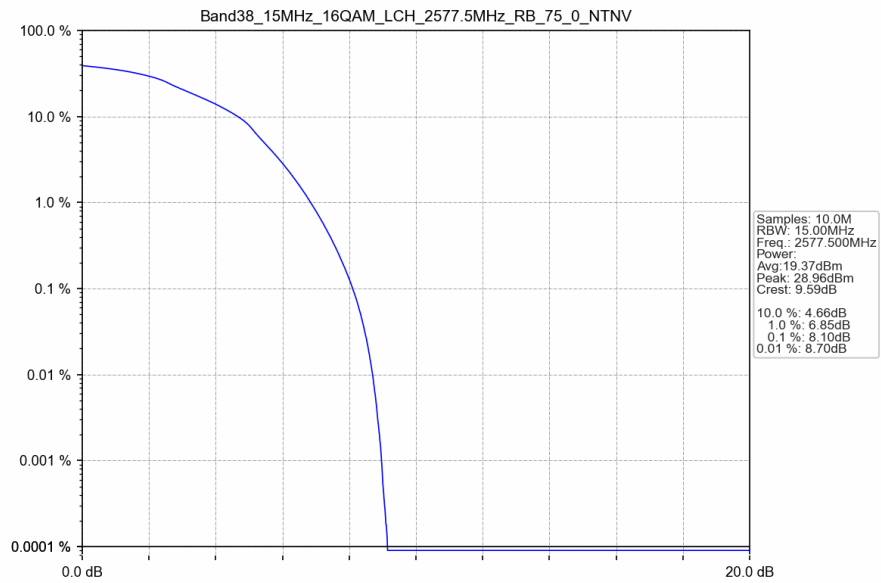
4.2.3 B38_15MHz



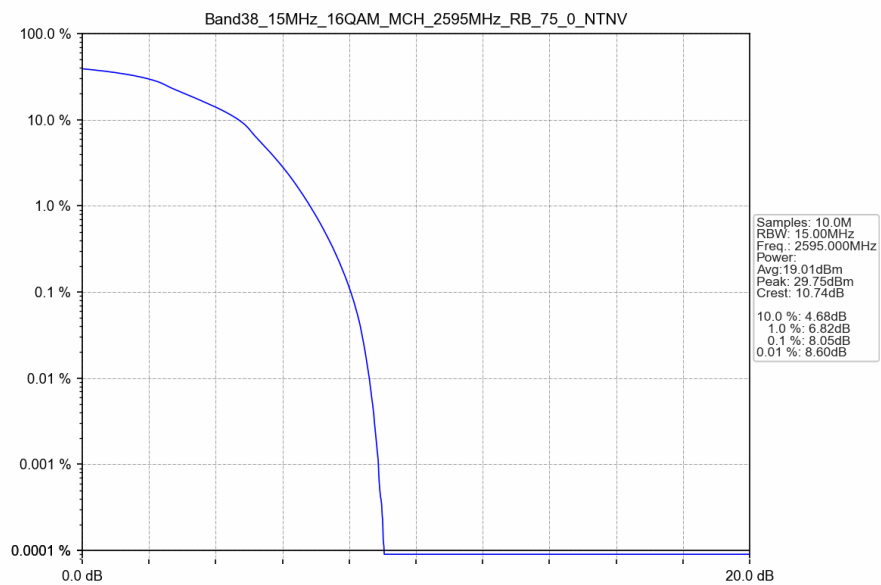
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



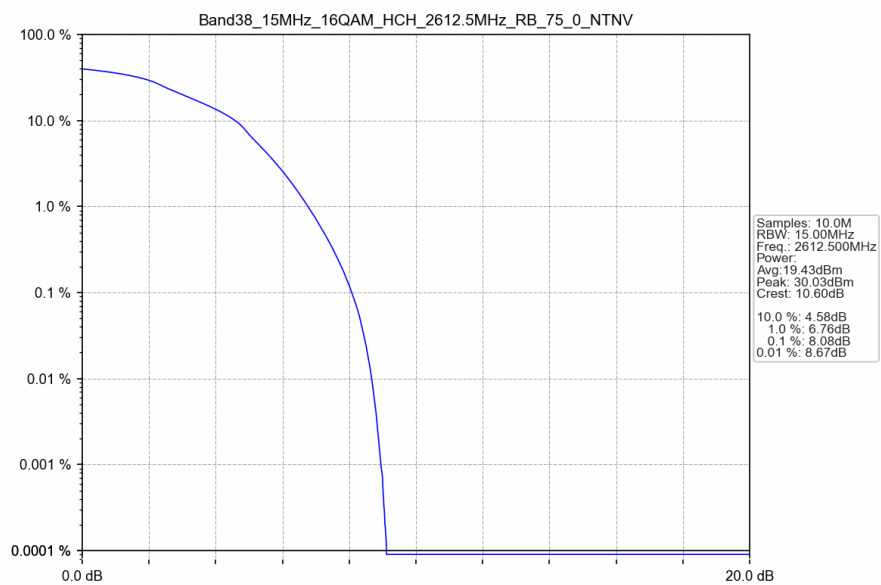
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



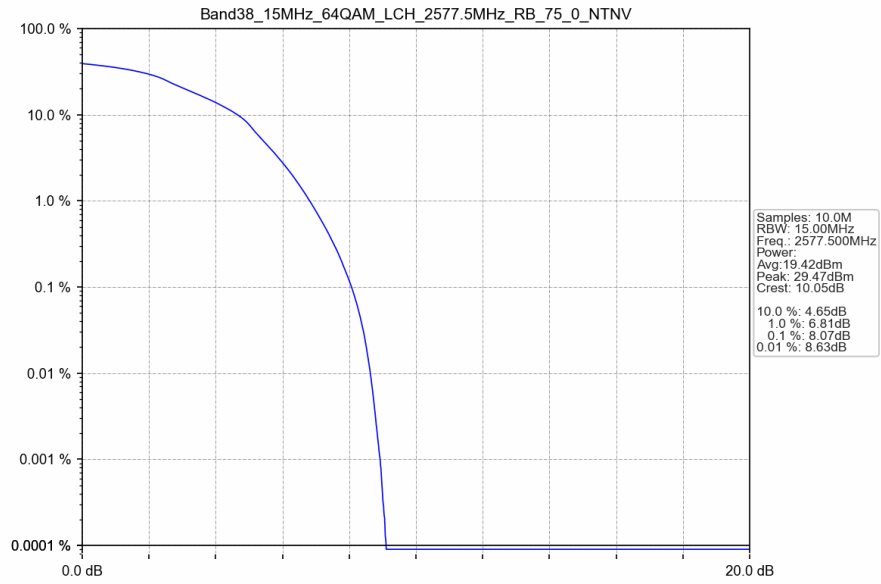
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTN



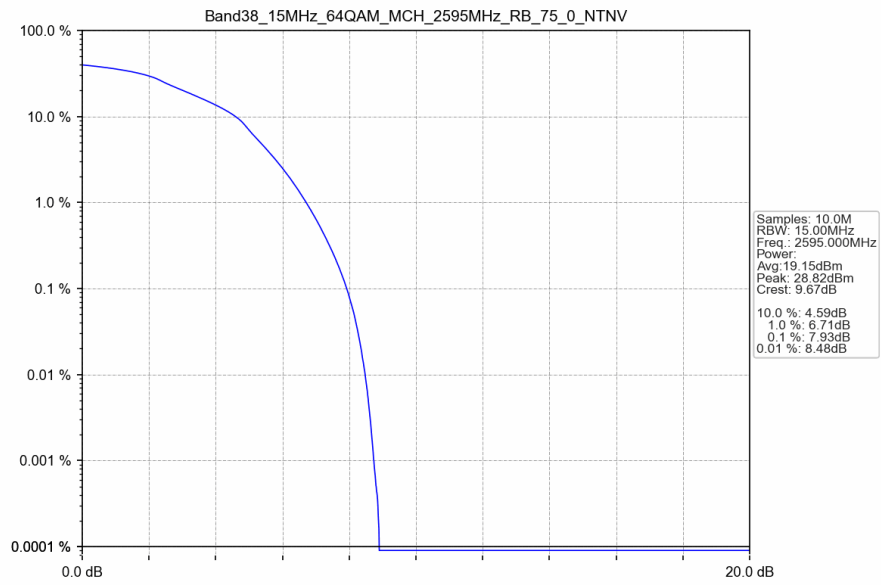
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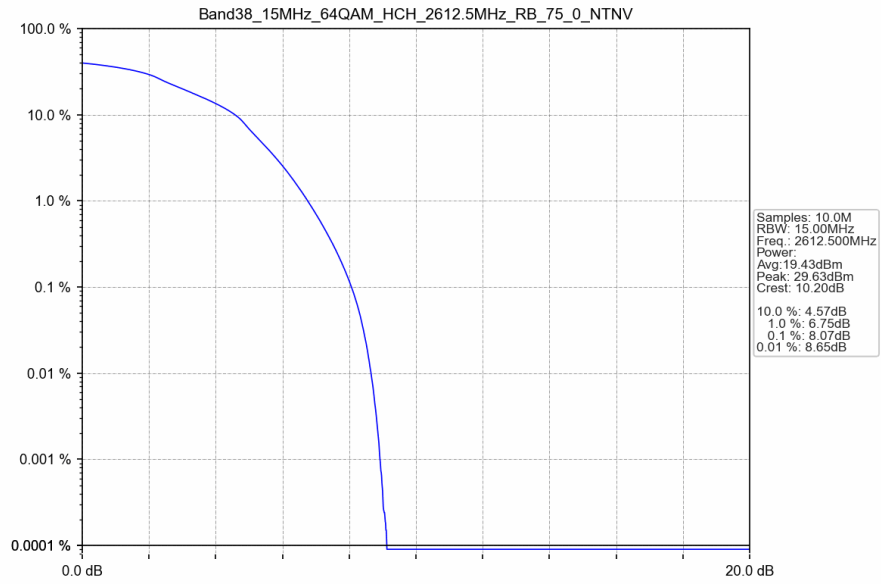
Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



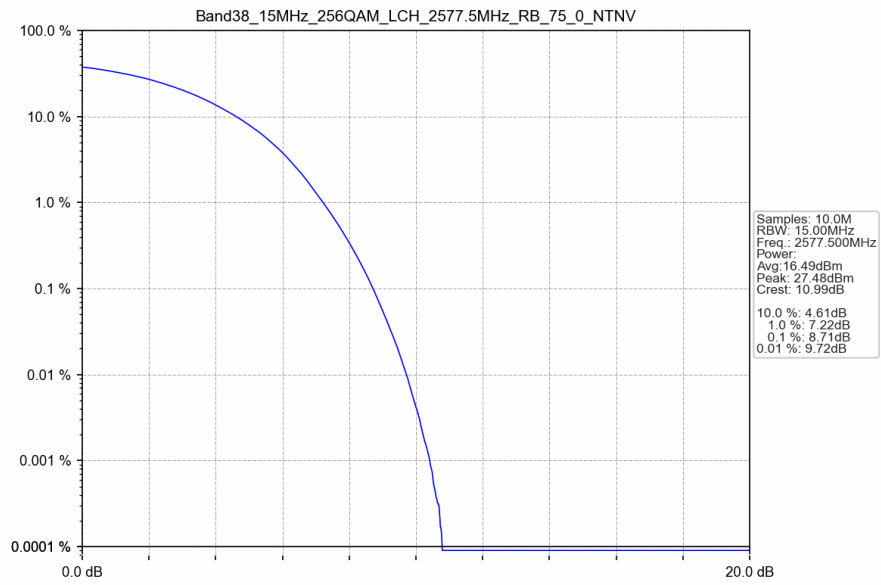
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



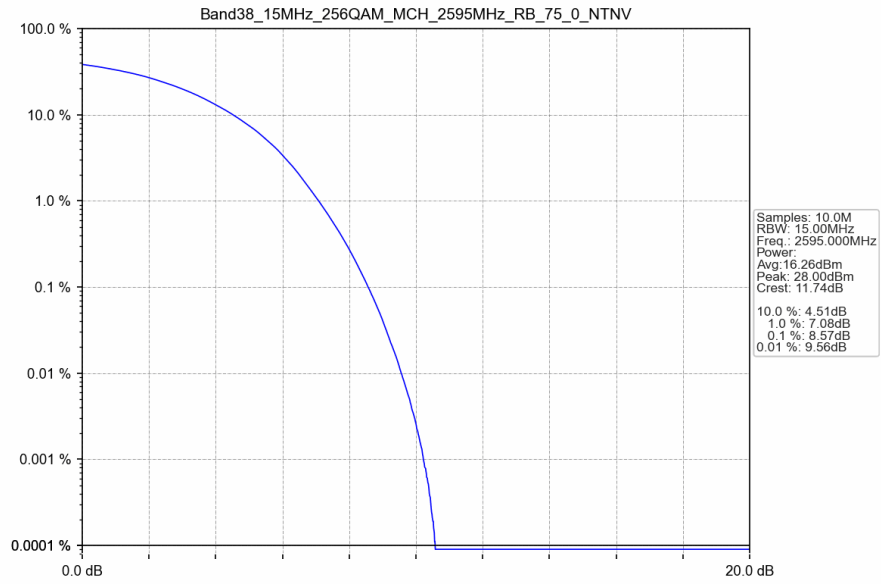
Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



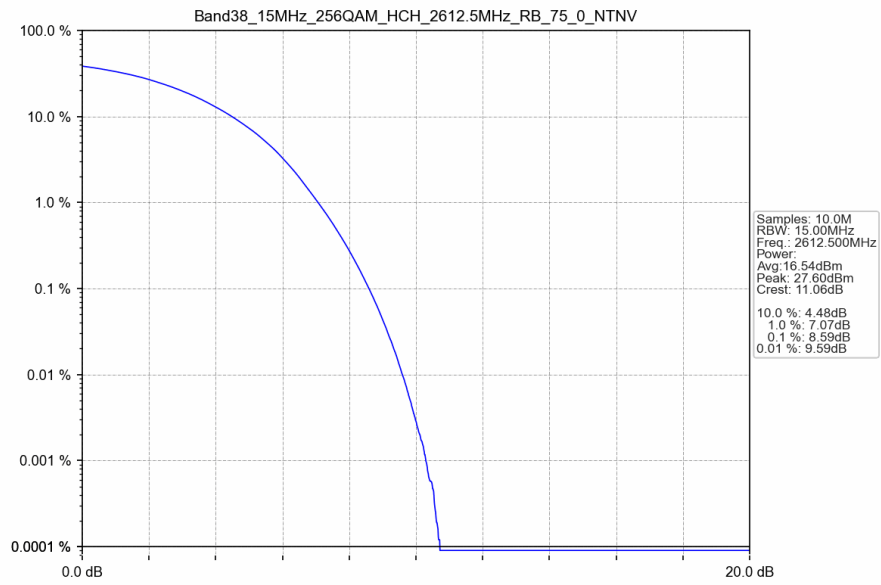
Band38_15MHz_256QAM_LCH_2577.5MHz_RB_75_0_NTNV



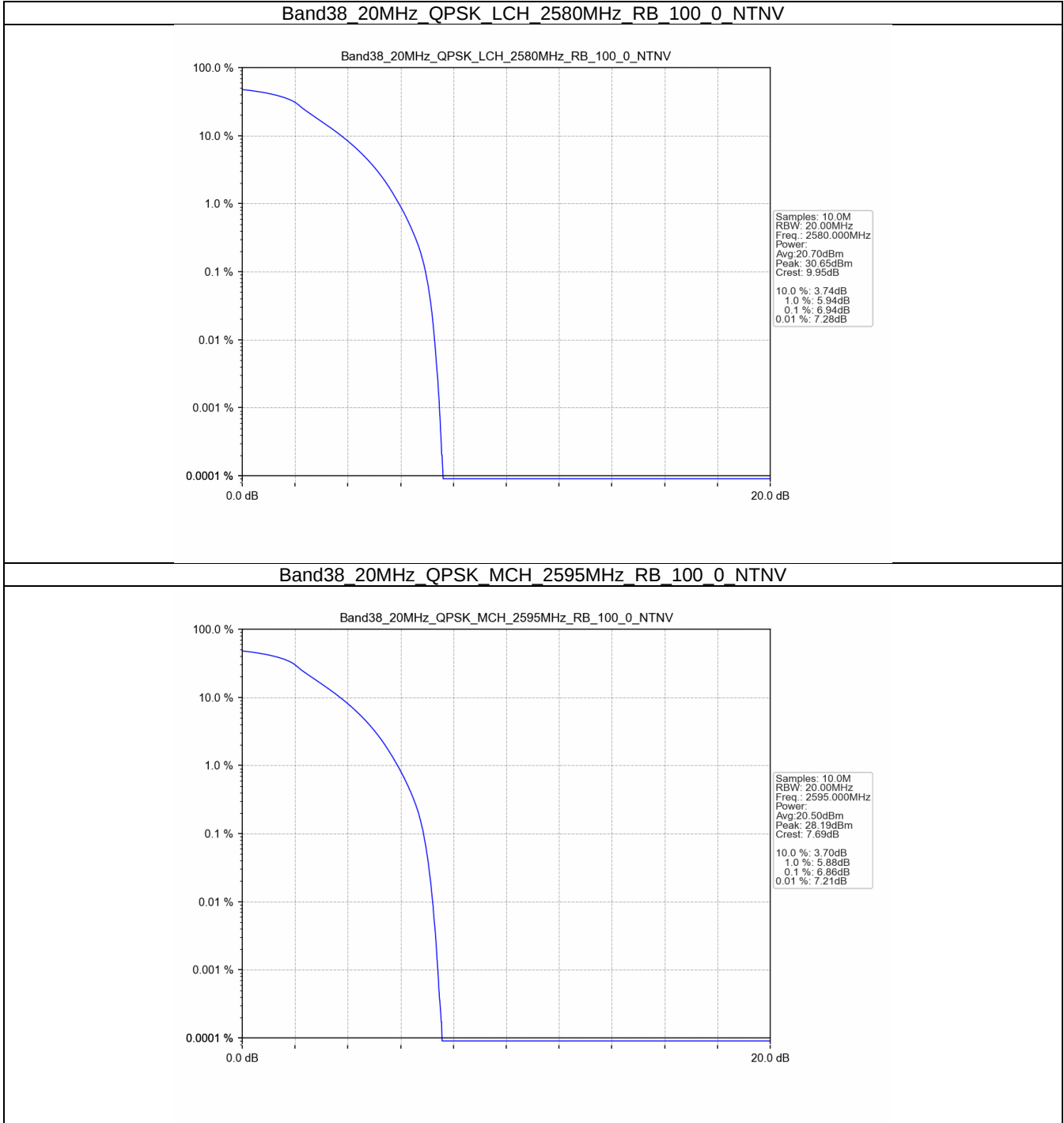
Band38_15MHz_256QAM_MCH_2595MHz_RB_75_0_NTNV



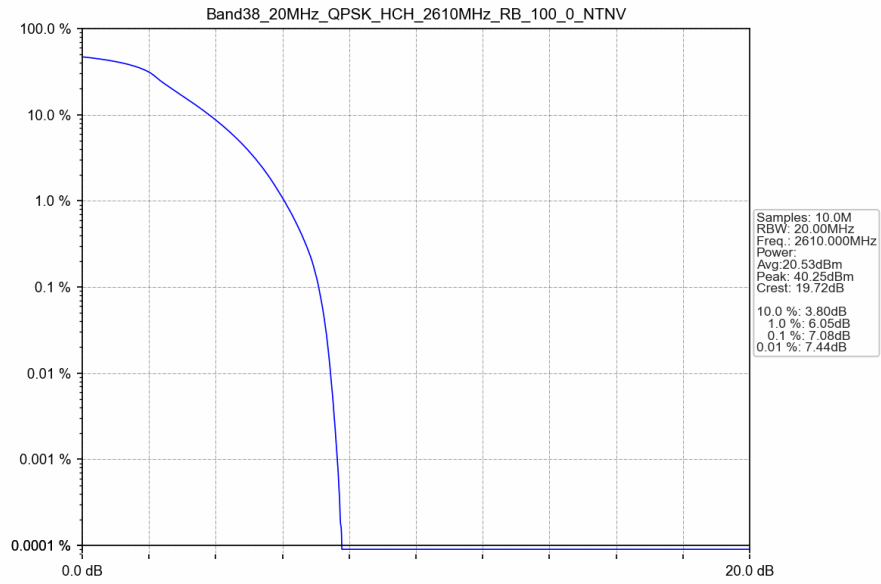
Band38_15MHz_256QAM_HCH_2612.5MHz_RB_75_0_NTNV



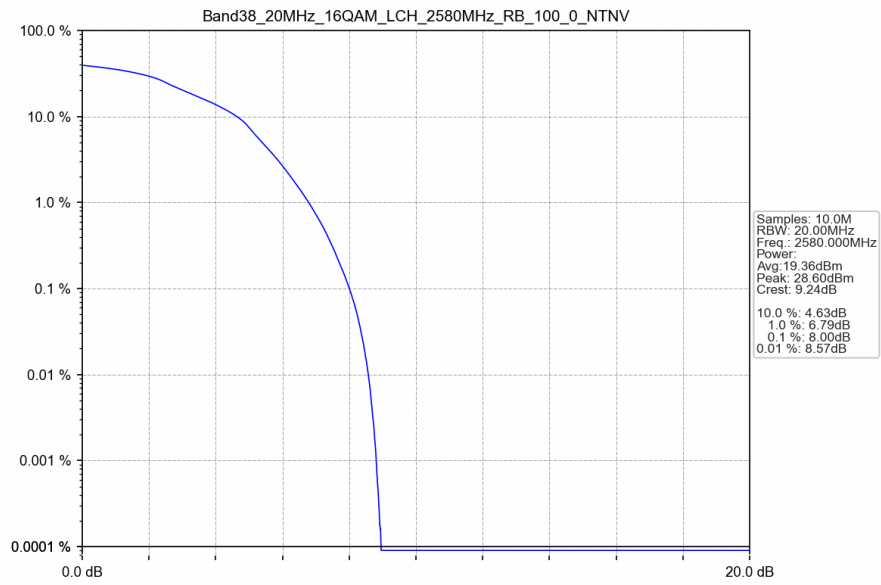
4.2.4 B38_20MHz



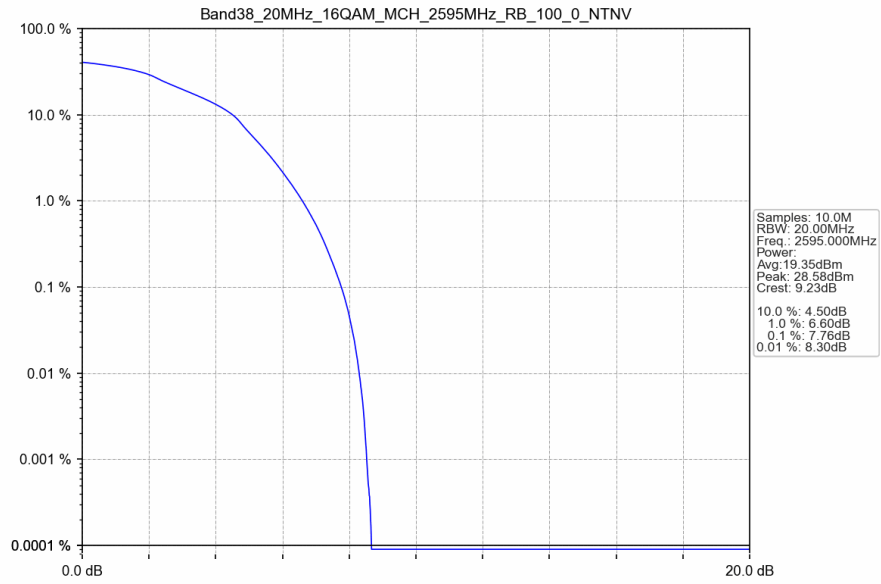
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



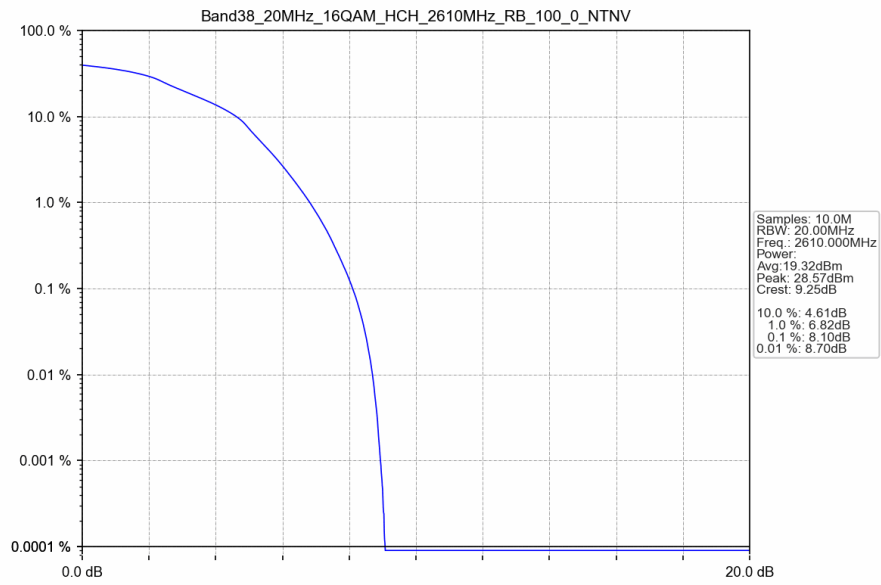
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTN



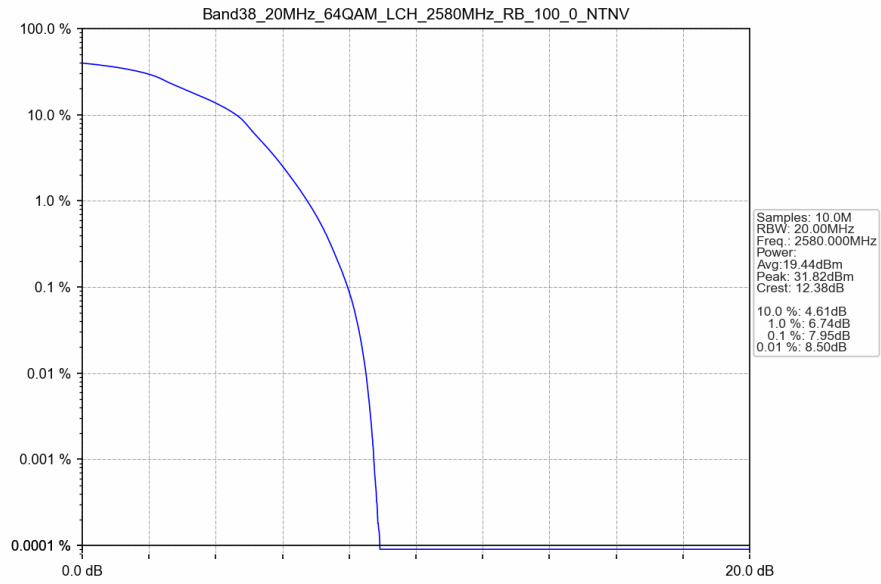
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



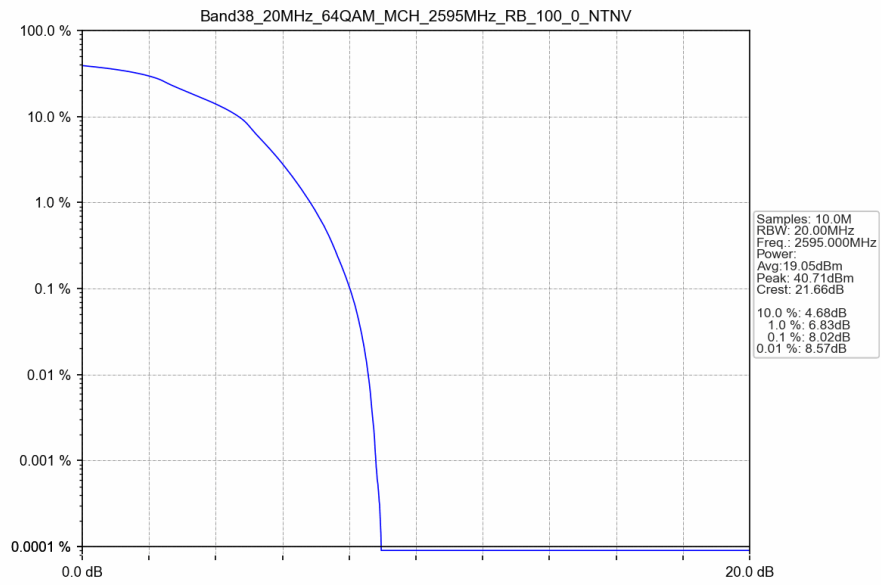
Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



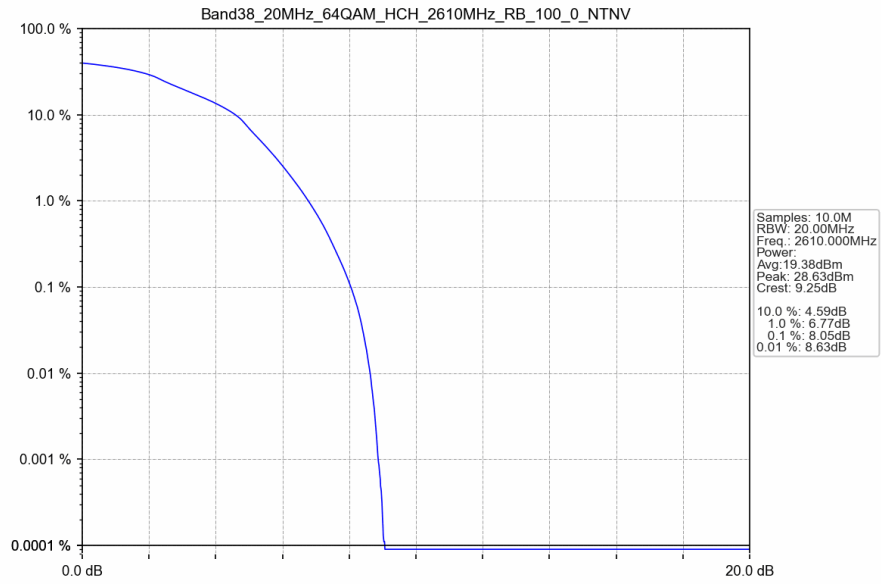
Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



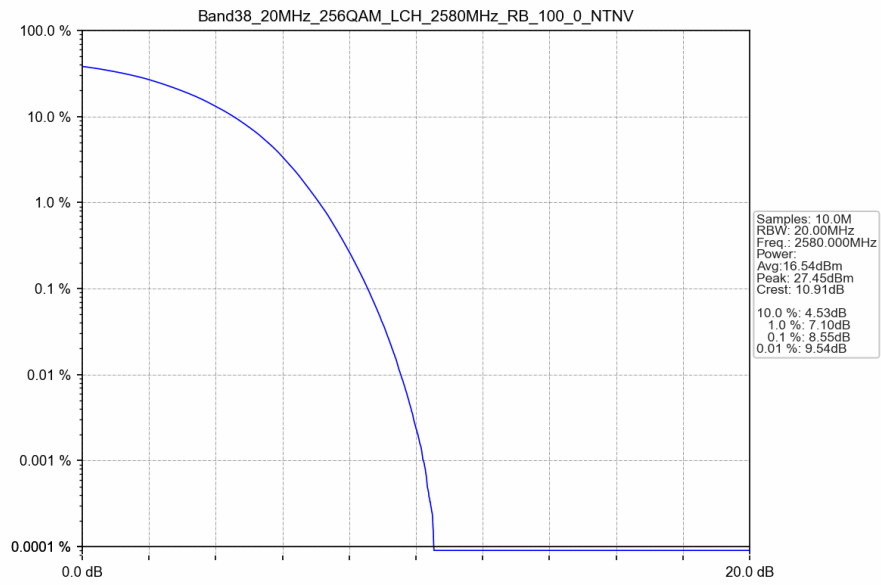
Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



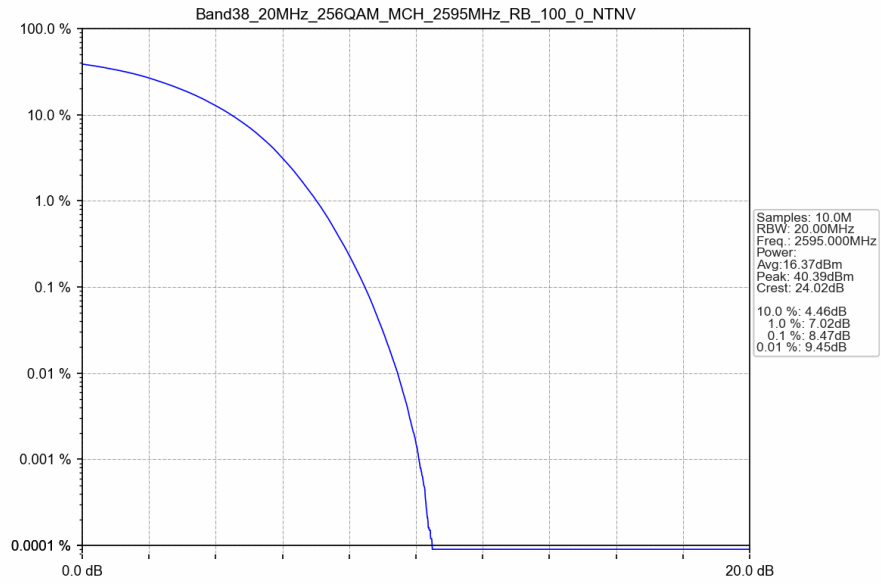
Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV



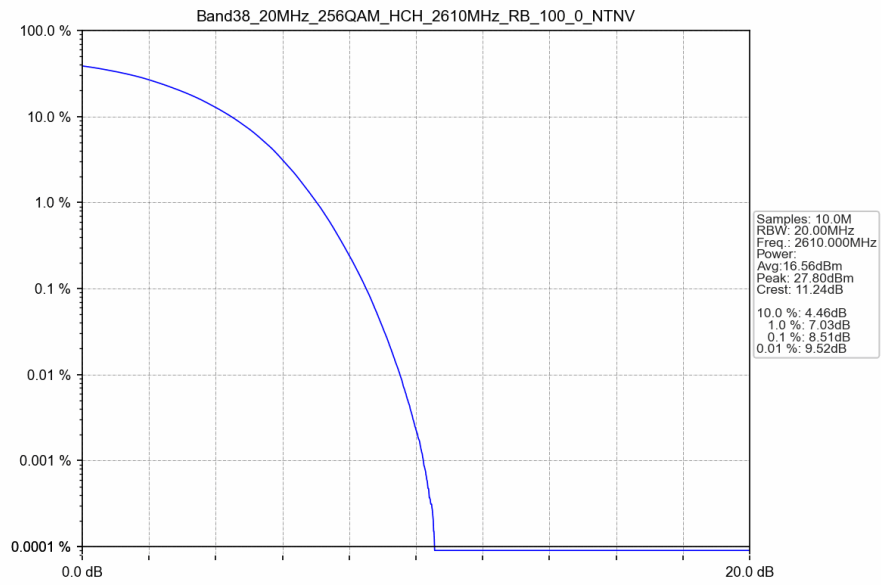
Band38_20MHz_256QAM_LCH_2580MHz_RB_100_0_NTNV



Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTN



Band38 20MHz 256QAM HCH 2610MHz RB 100 0 NTN



5. Spurious Emission

5.1 Test Result

5.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
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
		2617.5	1	0	Refer To Test Graph	
	24			Refer To Test Graph		Pass
	25		0	Refer To Test Graph		Pass

5.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
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	
	49			Refer To Test Graph		Pass
	50		0	Refer To Test Graph		Pass

5.1.3 B38_15MHz

Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
		2612.5	1	0	Refer To Test Graph	
	74			Refer To Test Graph		Pass
	75		0	Refer To Test Graph		Pass

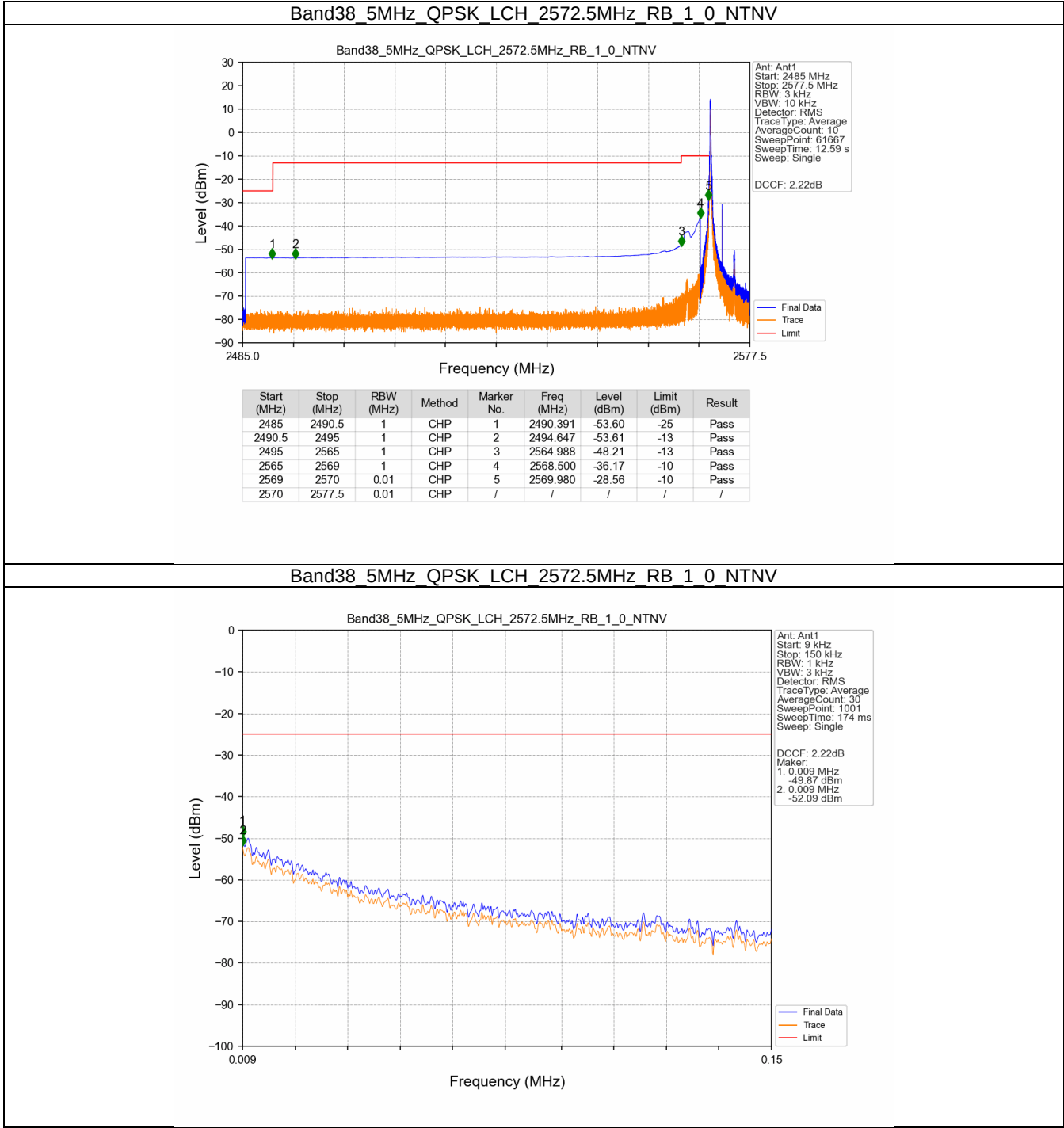
5.1.4 B38_20MHz

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass

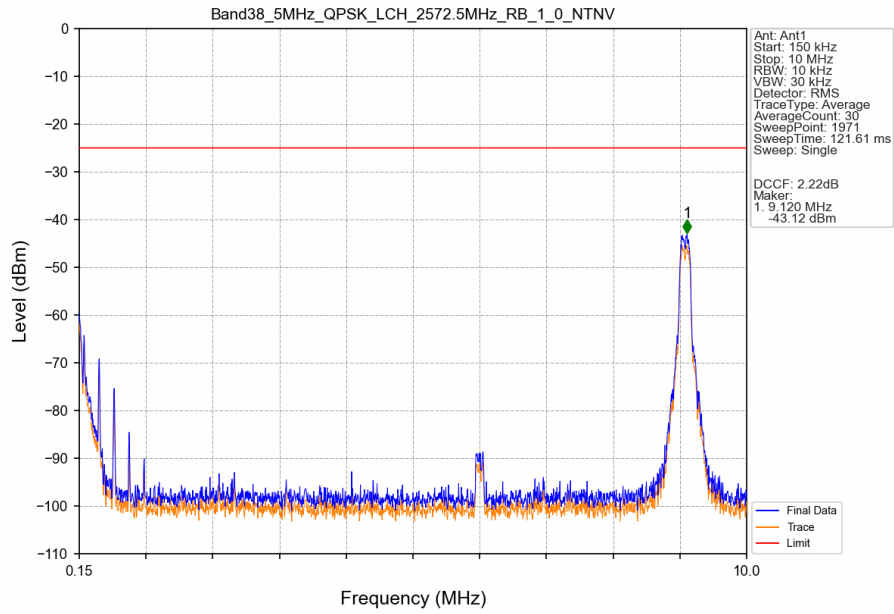
	2610	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

5.2 Test Graph

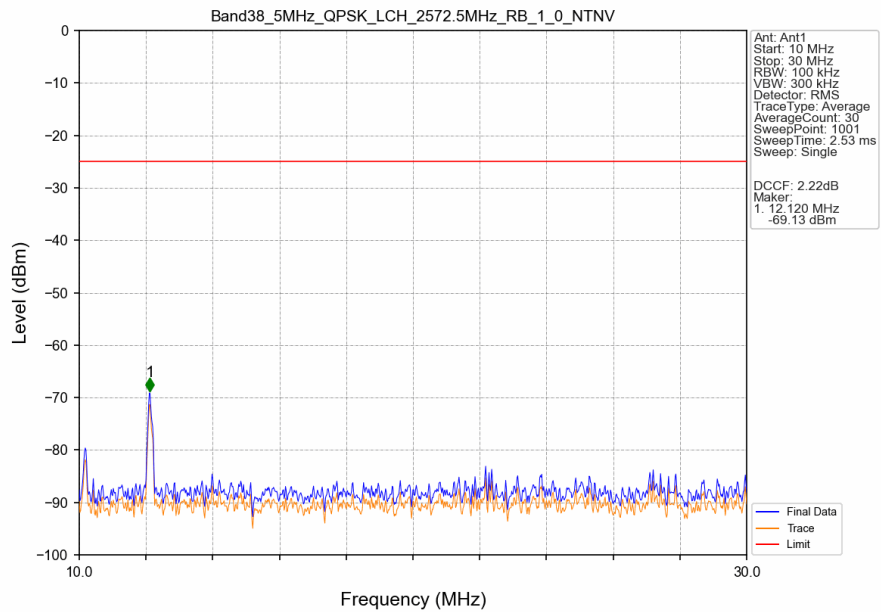
5.2.1 B38_5MHz



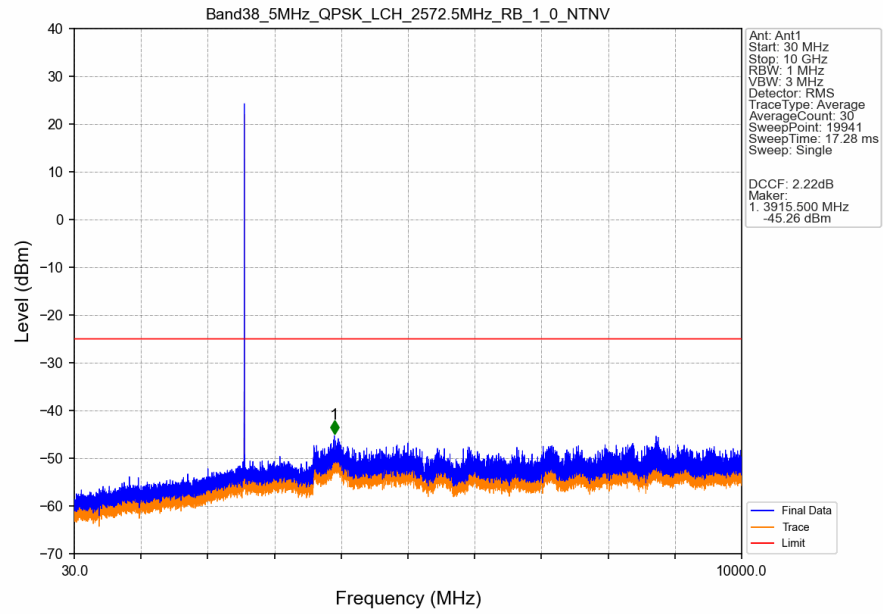
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



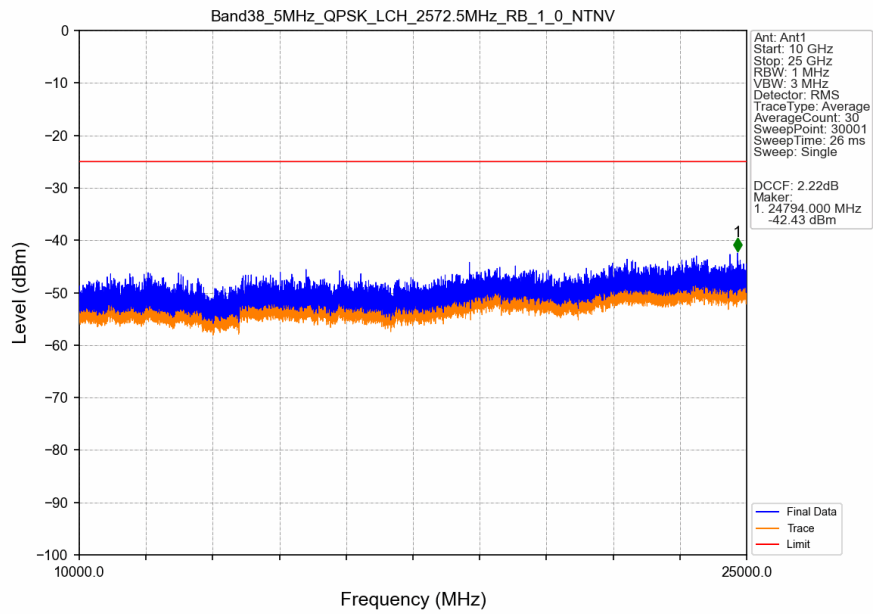
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



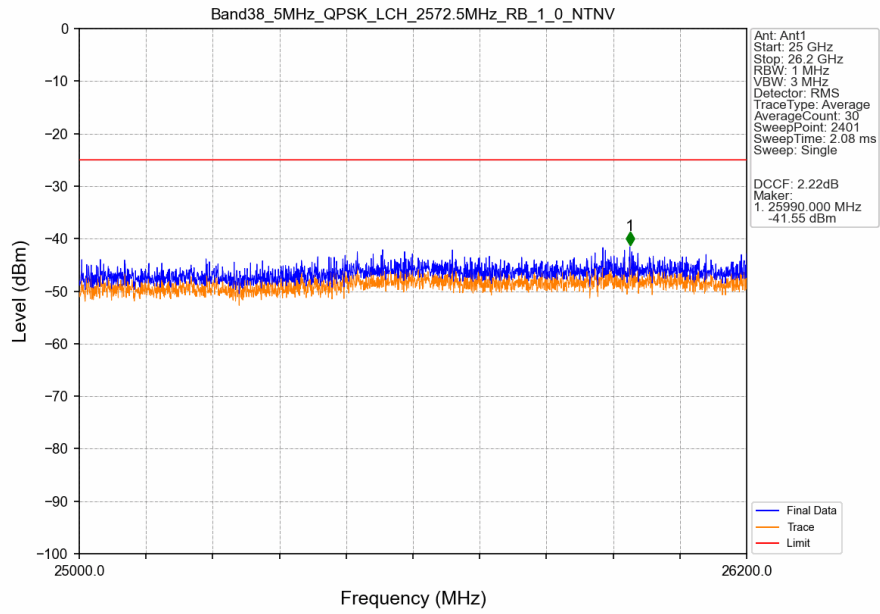
Band38 5MHz QPSK LCH 2572.5MHz RB 1_0 NTN



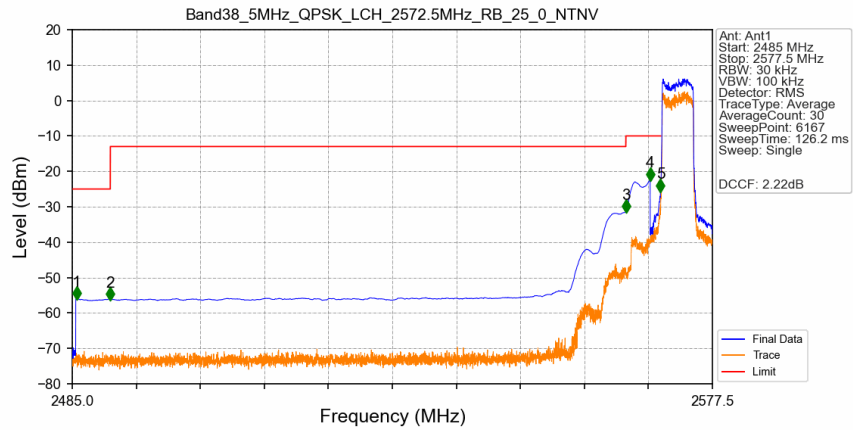
Band38 5MHz QPSK LCH 2572.5MHz RB 1_0 NTN



Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTV

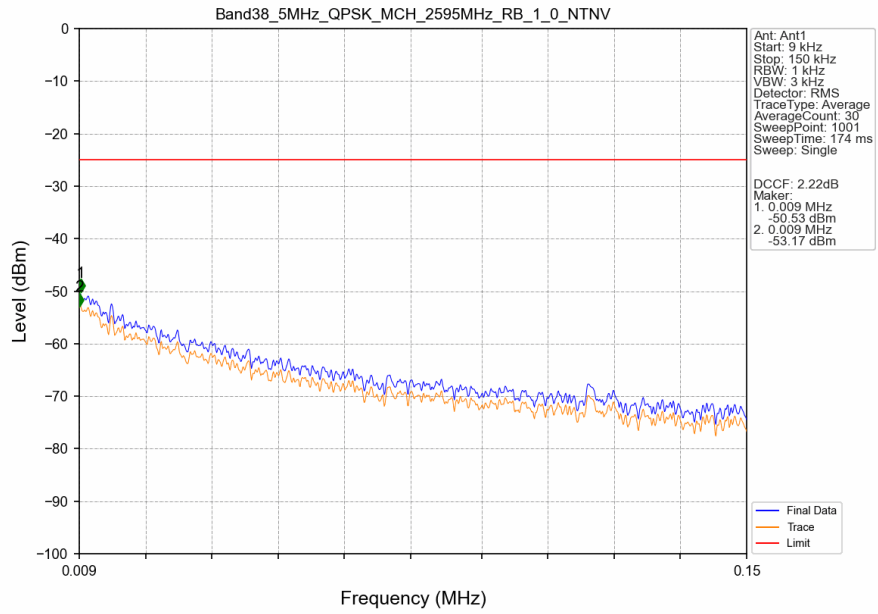


Band38 5MHz QPSK LCH 2572.5MHz RB 25 0 NTV

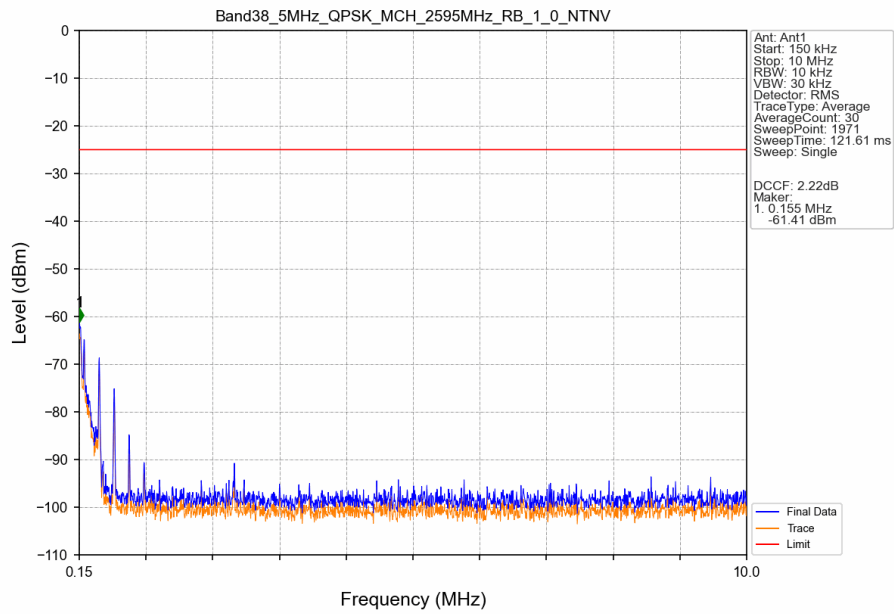


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.615	-55.99	-25	Pass
2490.5	2495	1	CHP	2	2490.506	-56.12	-13	Pass
2495	2565	1	CHP	3	2564.989	-31.34	-13	Pass
2565	2569	1	CHP	4	2568.499	-22.32	-10	Pass
2569	2570	0.053	CHP	5	2569.999	-25.55	-10	Pass
2570	2577.5	0.053	CHP	/	/	/	/	/

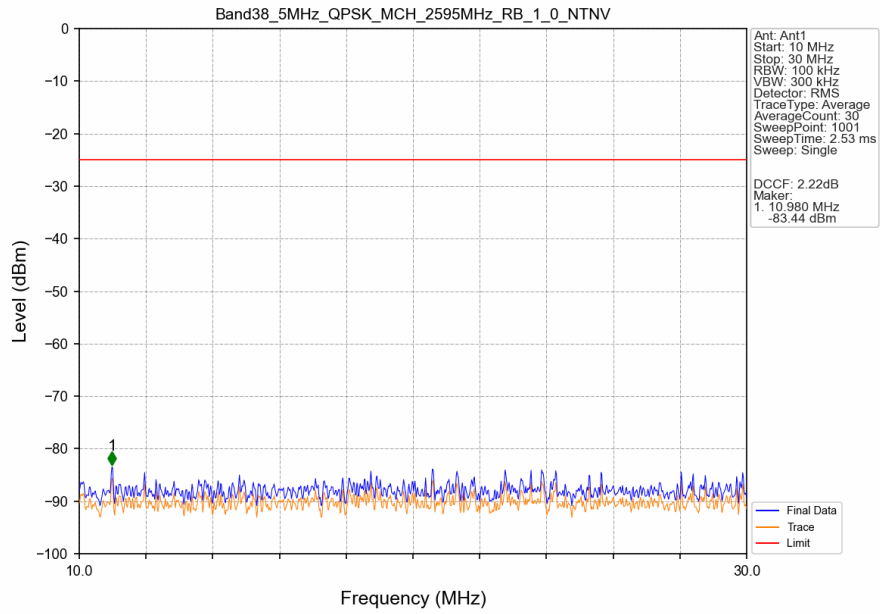
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



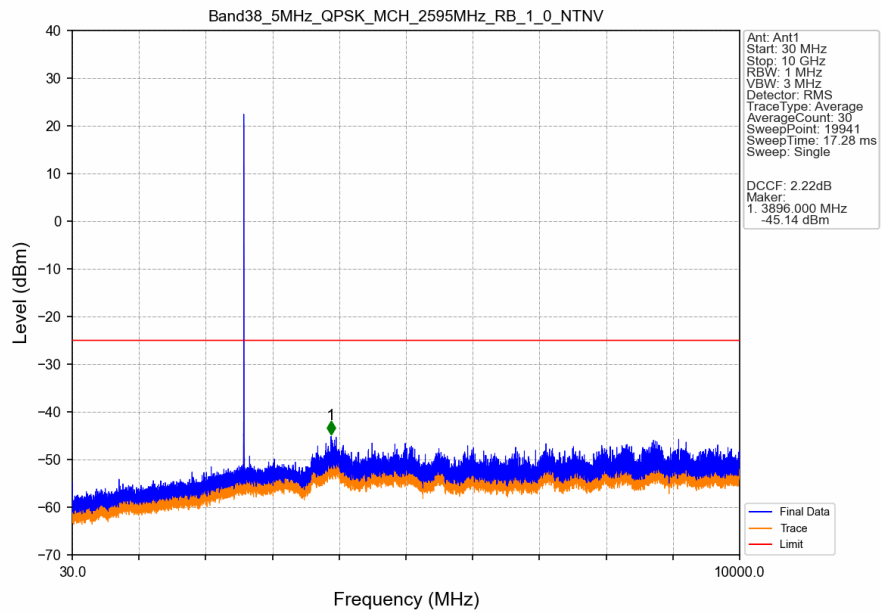
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



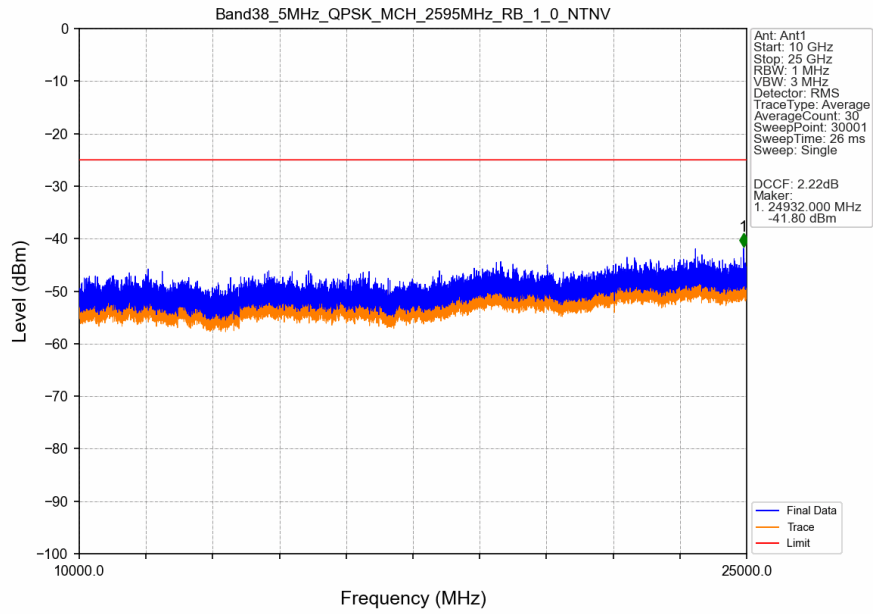
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



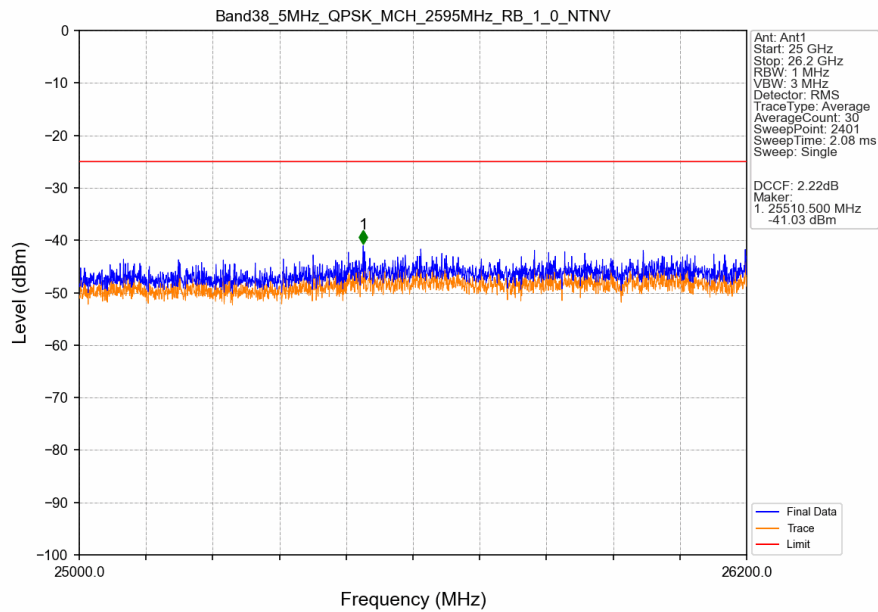
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



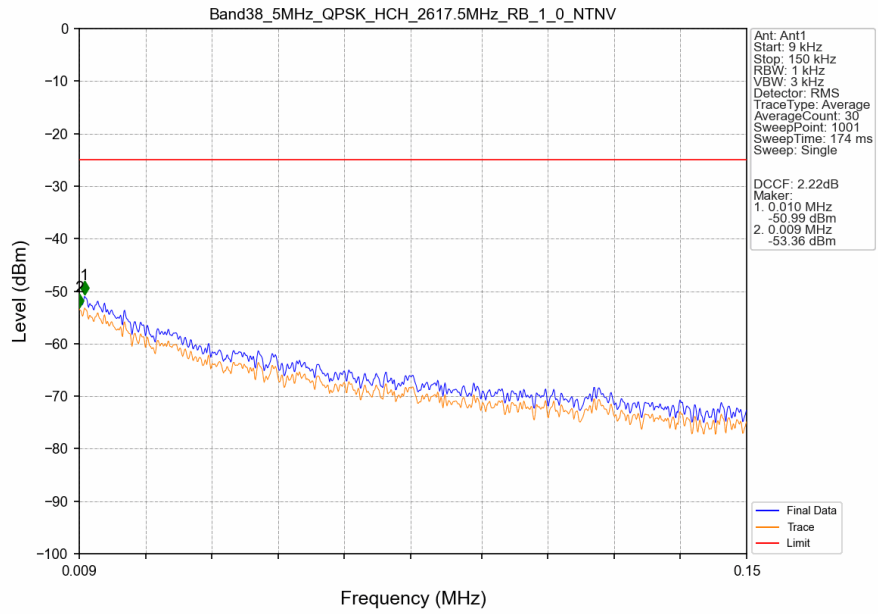
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



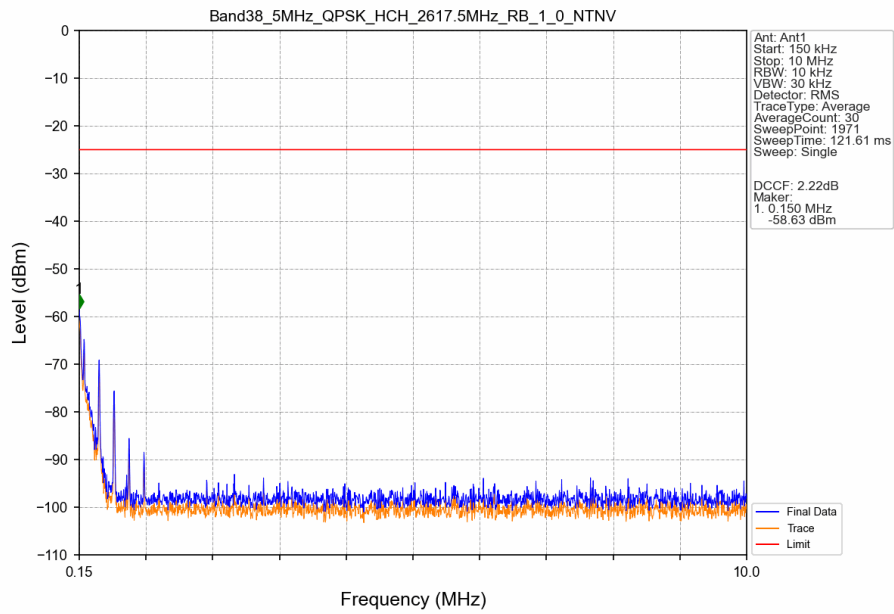
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



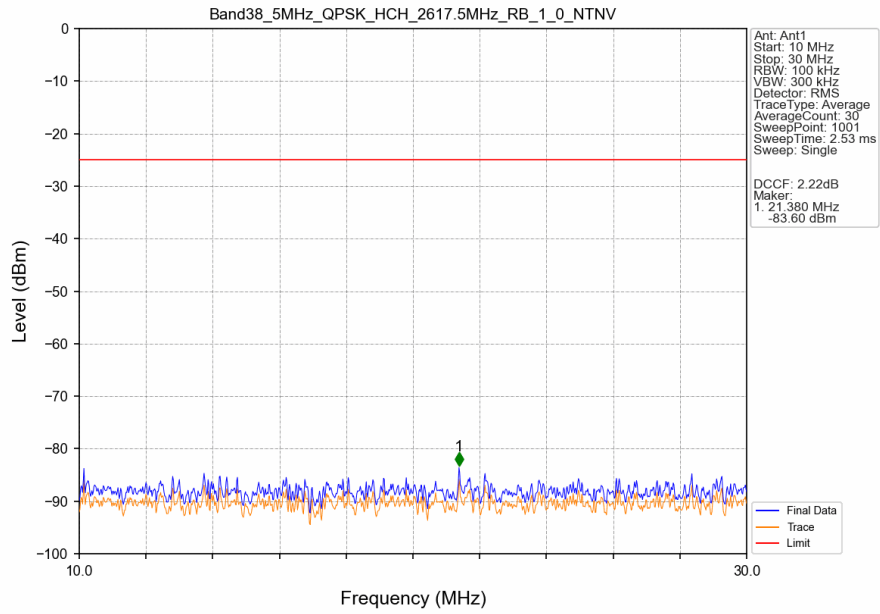
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



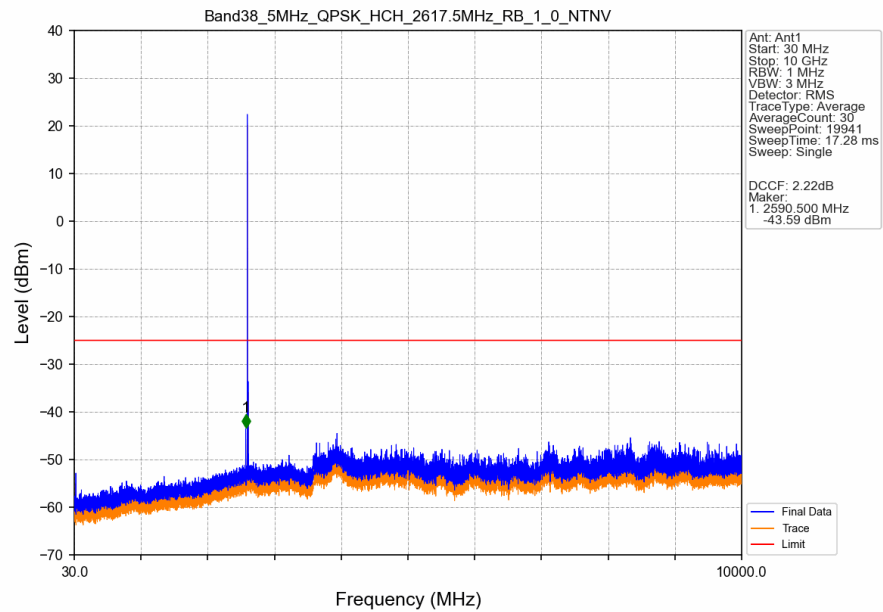
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



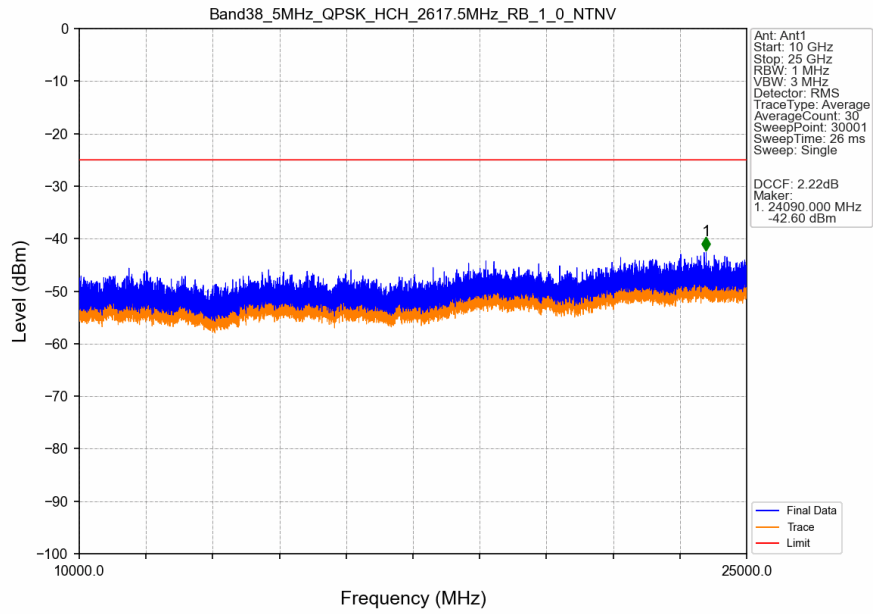
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



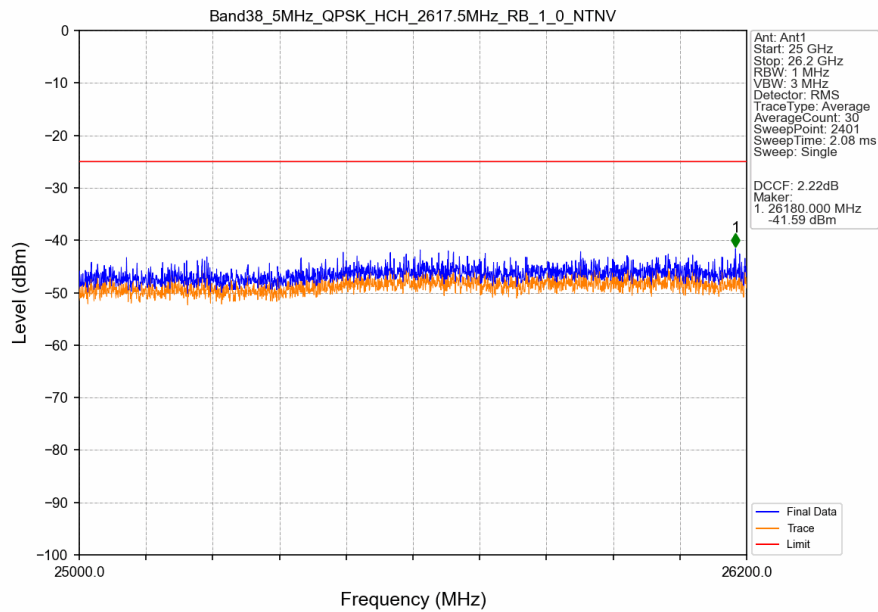
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



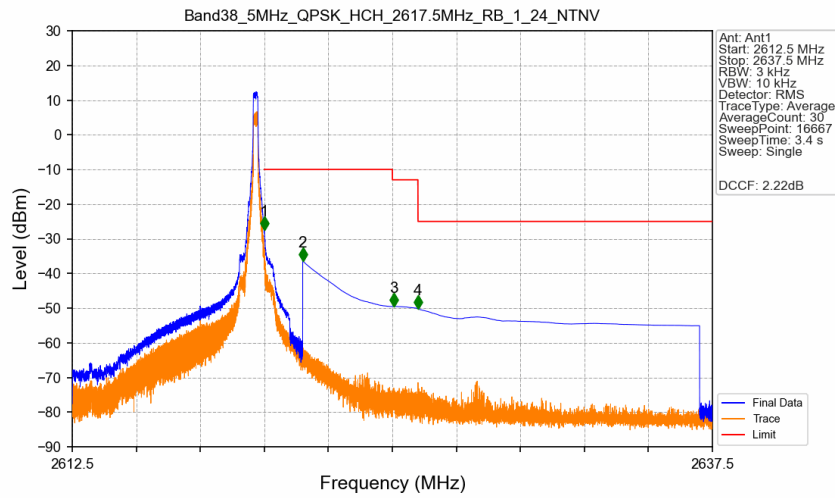
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

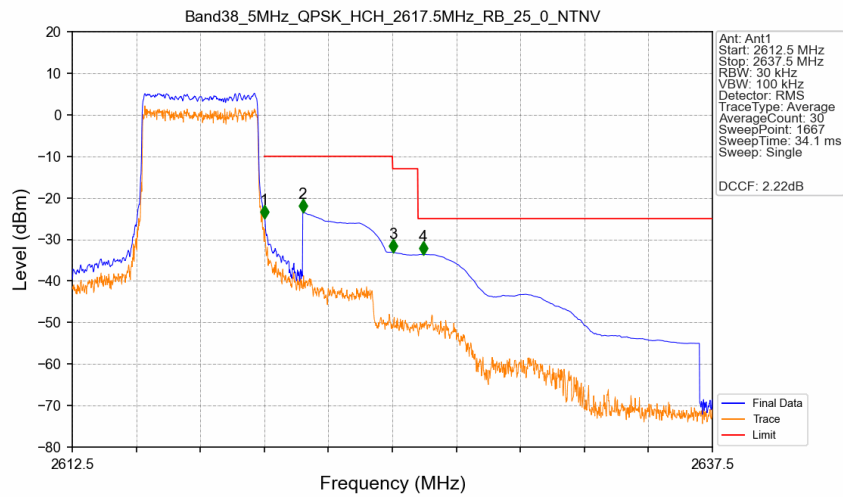


Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.01	CHP	/	/	/	/	/
2620	2621	0.01	CHP	1	2620.000	-27.32	-10	Pass
2621	2625	1	CHP	2	2621.500	-36.35	-10	Pass
2625	2626	1	CHP	3	2625.069	-49.47	-13	Pass
2626	2637.5	1	CHP	4	2626.001	-50.20	-25	Pass

Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.052	CHP	/	/	/	/	/
2620	2621	0.052	CHP	1	2620.003	-24.91	-10	Pass
2621	2625	1	CHP	2	2621.504	-23.48	-10	Pass
2625	2626	1	CHP	3	2625.015	-33.08	-13	Pass
2626	2637.5	1	CHP	4	2626.200	-33.62	-25	Pass

5.2.2 B38_10MHz

