

4. Peak-Average Ratio

4.1 Test Result

4.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	4.60	<=13	Pass
	1880	6	0	4.71	<=13	Pass
	1909.3	6	0	5.01	<=13	Pass
16QAM	1850.7	6	0	5.54	<=13	Pass
	1880	6	0	5.67	<=13	Pass
	1909.3	6	0	5.98	<=13	Pass
64QAM	1850.7	6	0	6.22	<=13	Pass
	1880	6	0	6.32	<=13	Pass
	1909.3	6	0	6.58	<=13	Pass
256QAM	1850.7	6	0	6.82	<=13	Pass
	1880	6	0	6.68	<=13	Pass
	1909.3	6	0	7.06	<=13	Pass

4.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	4.93	<=13	Pass
	1880	15	0	4.91	<=13	Pass
	1908.5	15	0	5.19	<=13	Pass
16QAM	1851.5	15	0	6.10	<=13	Pass
	1880	15	0	5.82	<=13	Pass
	1908.5	15	0	6.11	<=13	Pass
64QAM	1851.5	15	0	10.59	<=13	Pass
	1880	15	0	6.37	<=13	Pass
	1908.5	15	0	10.56	<=13	Pass
256QAM	1851.5	15	0	6.76	<=13	Pass
	1880	15	0	6.81	<=13	Pass
	1908.5	15	0	6.77	<=13	Pass

4.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.08	<=13	Pass
	1880	25	0	5.19	<=13	Pass
	1907.5	25	0	5.43	<=13	Pass
16QAM	1852.5	25	0	5.89	<=13	Pass
	1880	25	0	6.01	<=13	Pass

	1907.5	25	0	6.25	<=13	Pass
64QAM	1852.5	25	0	10.54	<=13	Pass
	1880	25	0	10.62	<=13	Pass
	1907.5	25	0	10.97	<=13	Pass
	1852.5	25	0	6.74	<=13	Pass
256QAM	1880	25	0	6.78	<=13	Pass
	1907.5	25	0	6.73	<=13	Pass

4.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.18	<=13	Pass
	1880	50	0	5.24	<=13	Pass
	1905	50	0	5.47	<=13	Pass
16QAM	1855	50	0	5.97	<=13	Pass
	1880	50	0	6.03	<=13	Pass
	1905	50	0	6.30	<=13	Pass
64QAM	1855	50	0	8.13	<=13	Pass
	1880	50	0	6.45	<=13	Pass
	1905	50	0	8.74	<=13	Pass
256QAM	1855	50	0	6.75	<=13	Pass
	1880	50	0	6.77	<=13	Pass
	1905	50	0	6.75	<=13	Pass

4.1.5 B2_15MHz

Band: 2 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.31	<=13	Pass
	1880	75	0	5.39	<=13	Pass
	1902.5	75	0	5.52	<=13	Pass
16QAM	1857.5	75	0	6.04	<=13	Pass
	1880	75	0	6.10	<=13	Pass
	1902.5	75	0	6.34	<=13	Pass
64QAM	1857.5	75	0	6.41	<=13	Pass
	1880	75	0	6.47	<=13	Pass
	1902.5	75	0	6.68	<=13	Pass
256QAM	1857.5	75	0	6.75	<=13	Pass
	1880	75	0	6.78	<=13	Pass
	1902.5	75	0	6.86	<=13	Pass

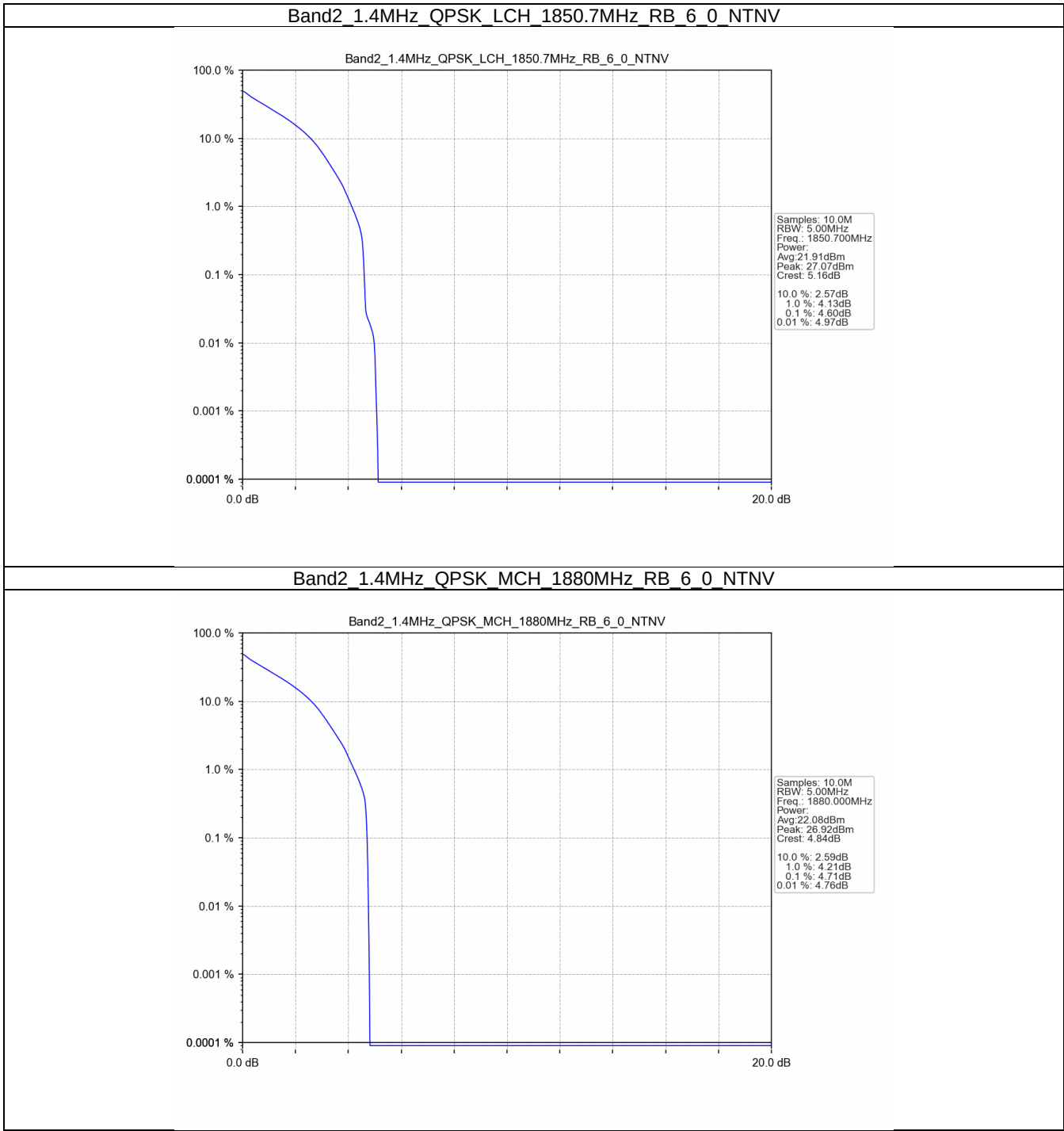
4.1.6 B2_20MHz

Band: 2 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.13	<=13	Pass
	1880	100	0	5.21	<=13	Pass
	1900	100	0	5.17	<=13	Pass

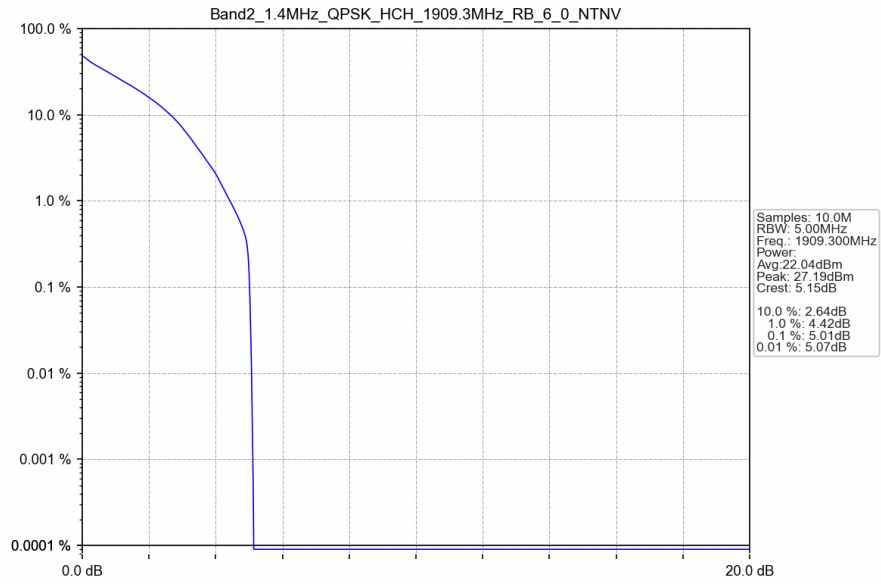
16QAM	1860	100	0	5.96	<=13	Pass
	1880	100	0	6.04	<=13	Pass
	1900	100	0	5.99	<=13	Pass
64QAM	1860	100	0	6.38	<=13	Pass
	1880	100	0	6.45	<=13	Pass
	1900	100	0	6.41	<=13	Pass
256QAM	1860	100	0	6.75	<=13	Pass
	1880	100	0	6.79	<=13	Pass
	1900	100	0	6.79	<=13	Pass

4.2 Test Graph

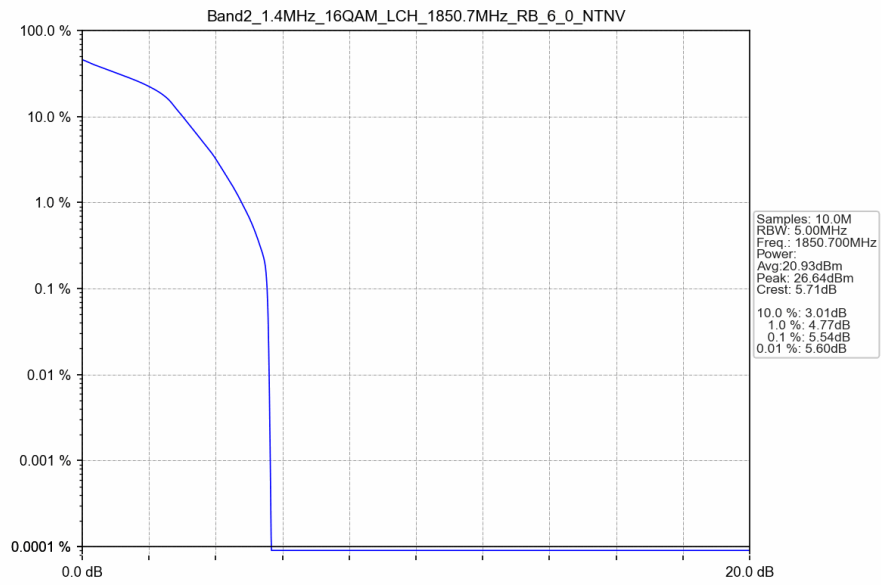
4.2.1 B2_1.4MHz



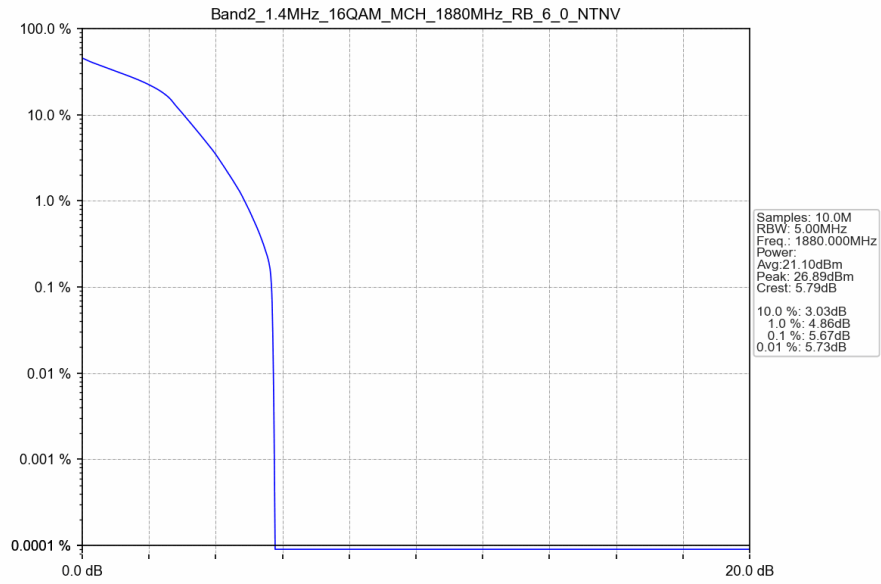
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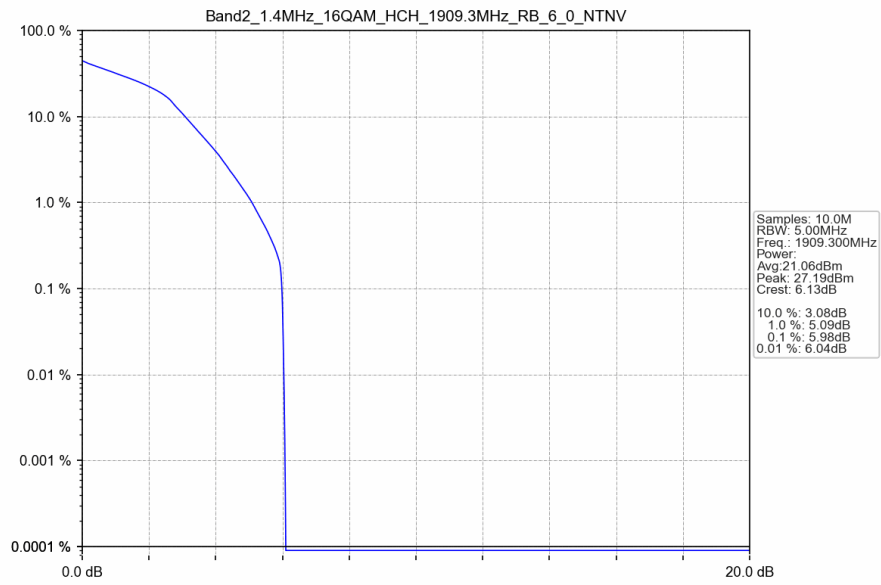
Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



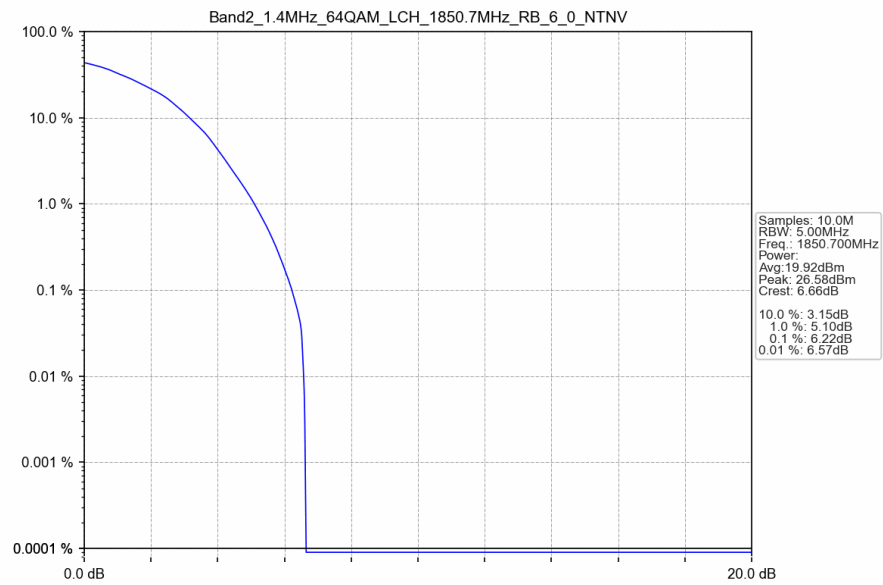
Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



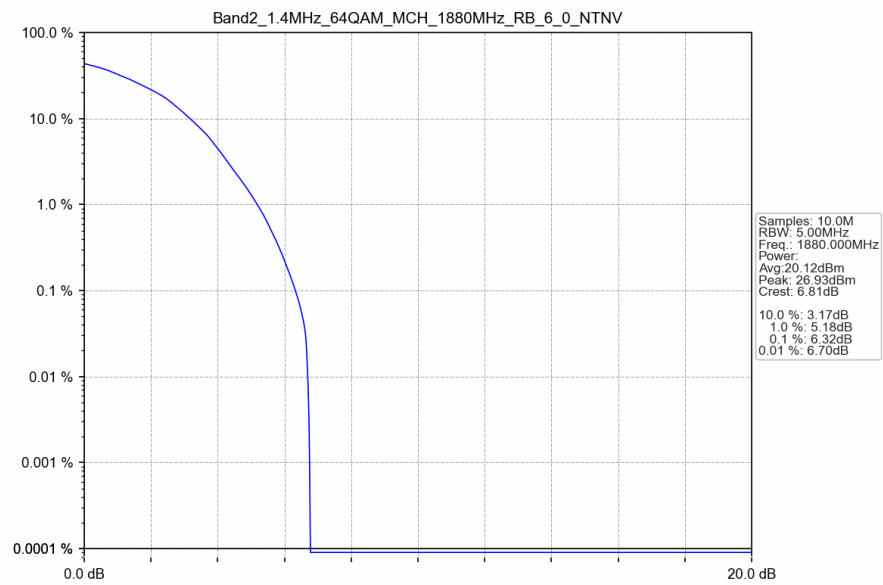
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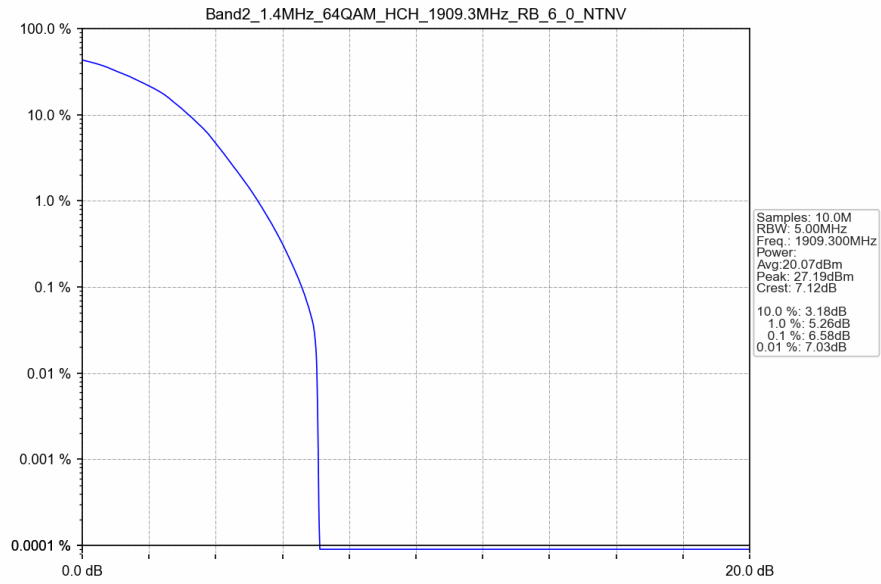
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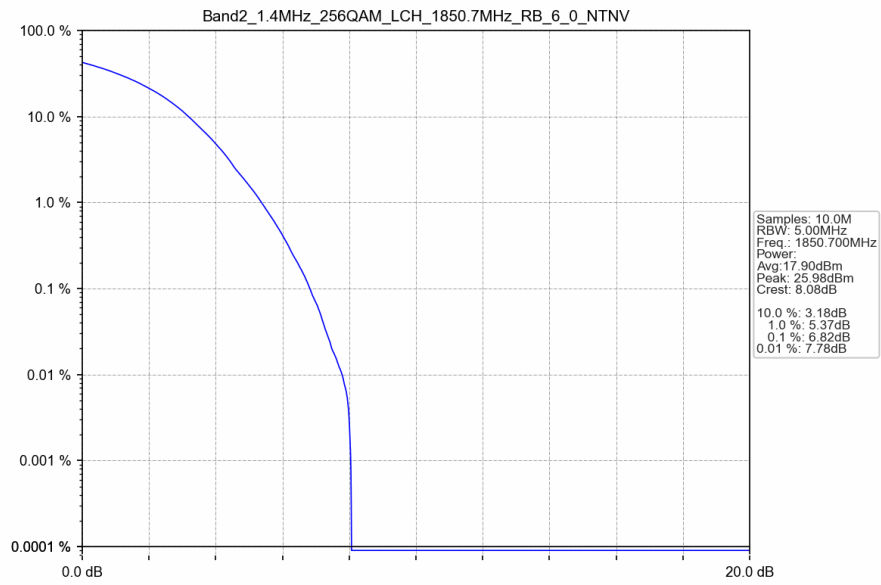
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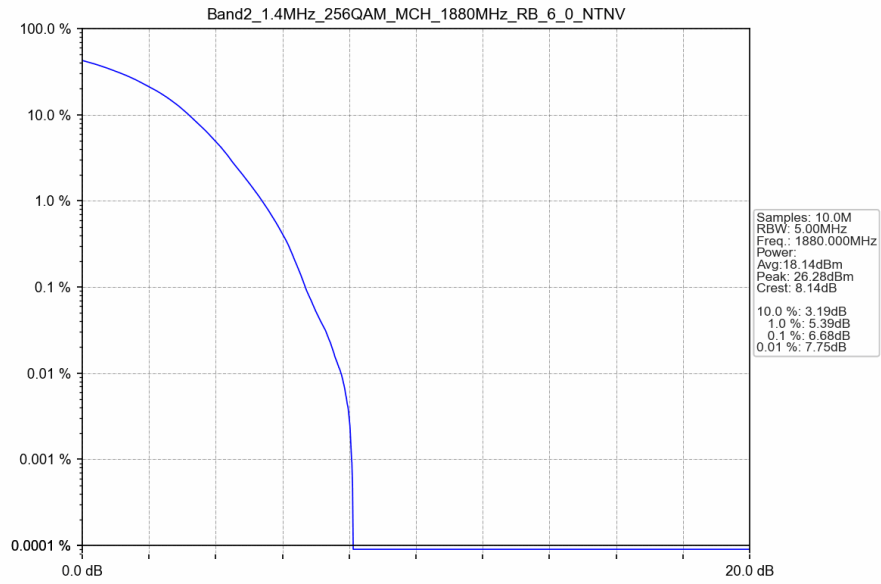
Band2 1.4MHz 64QAM HCH 1909.3MHz RB 6 0 NTNV



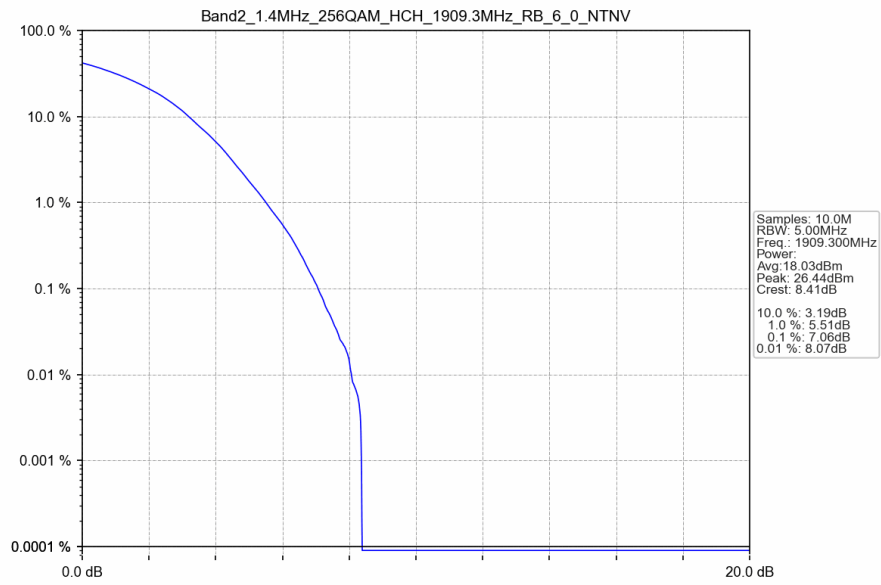
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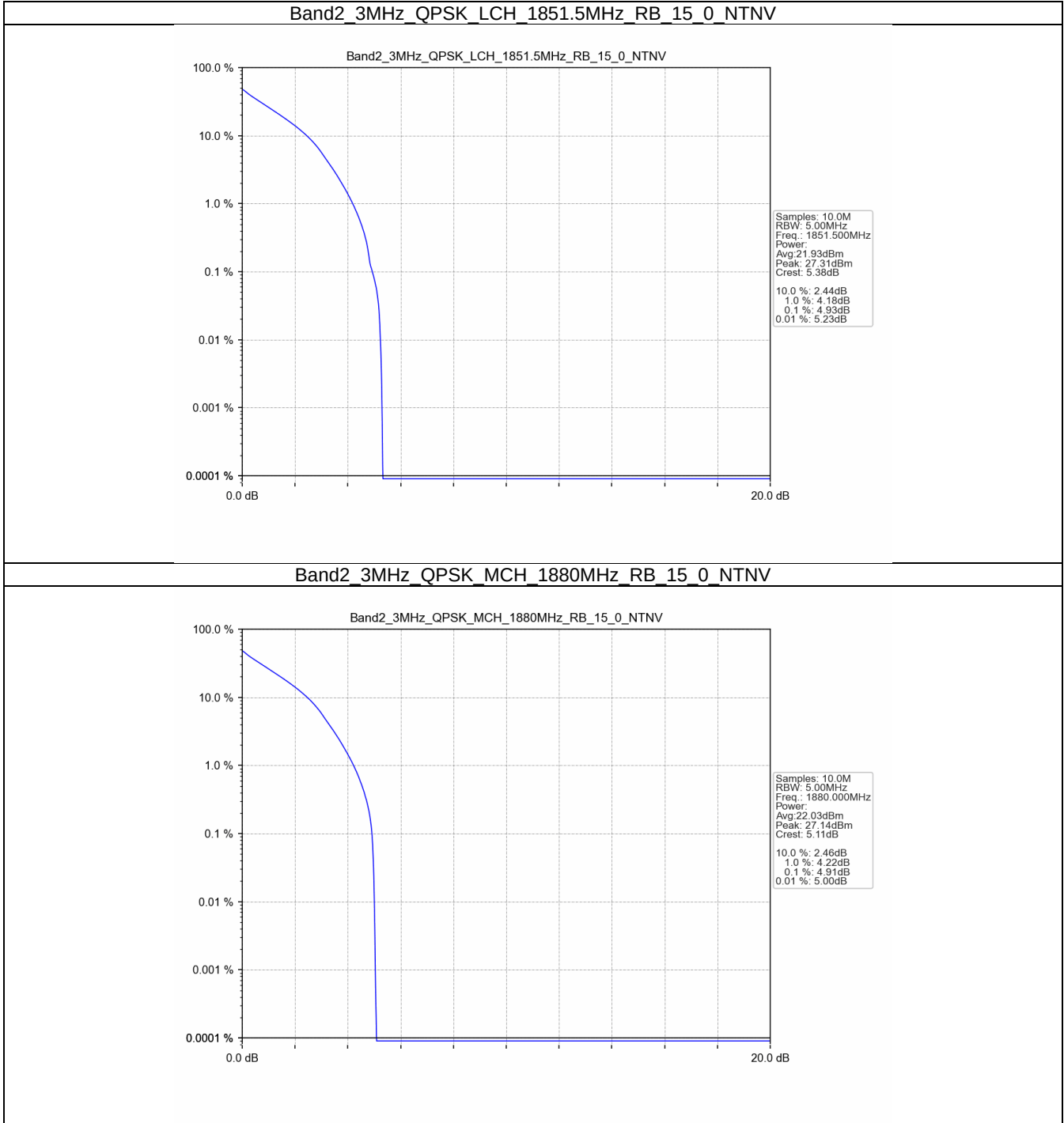
Band2 1.4MHz 256QAM MCH 1880MHz RB 6 0 NTNV



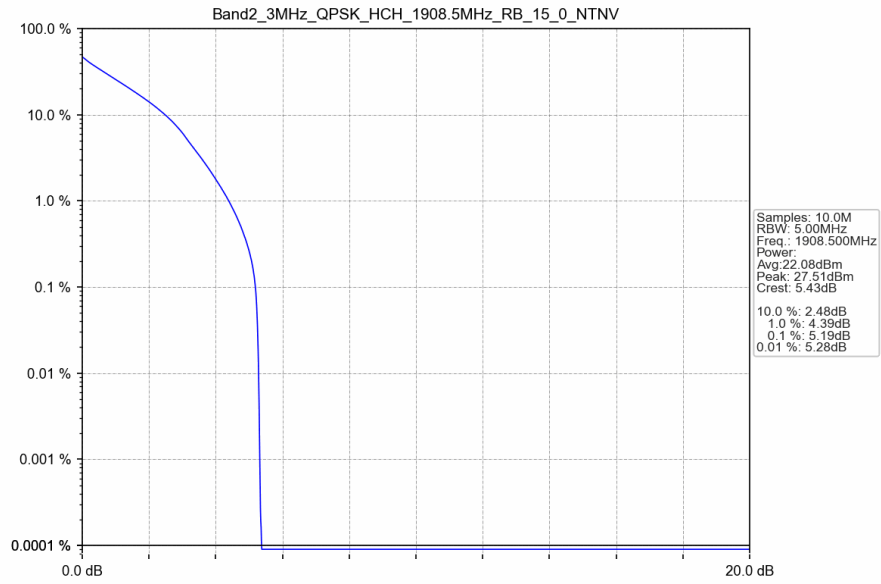
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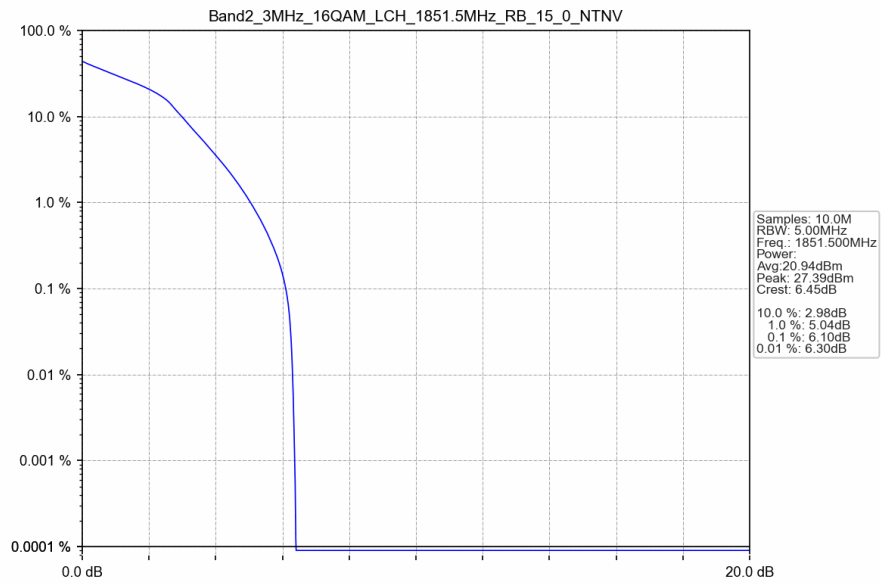
4.2.2 B2_3MHz



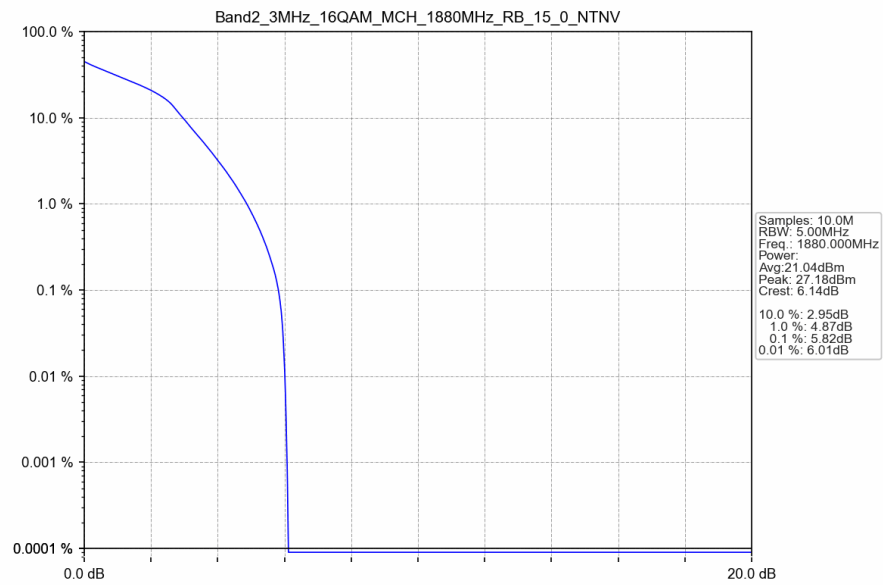
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



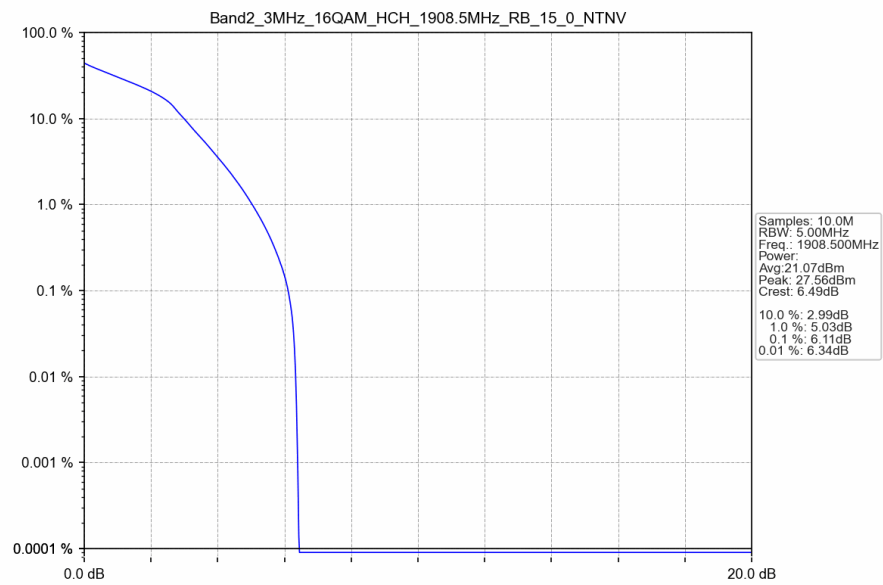
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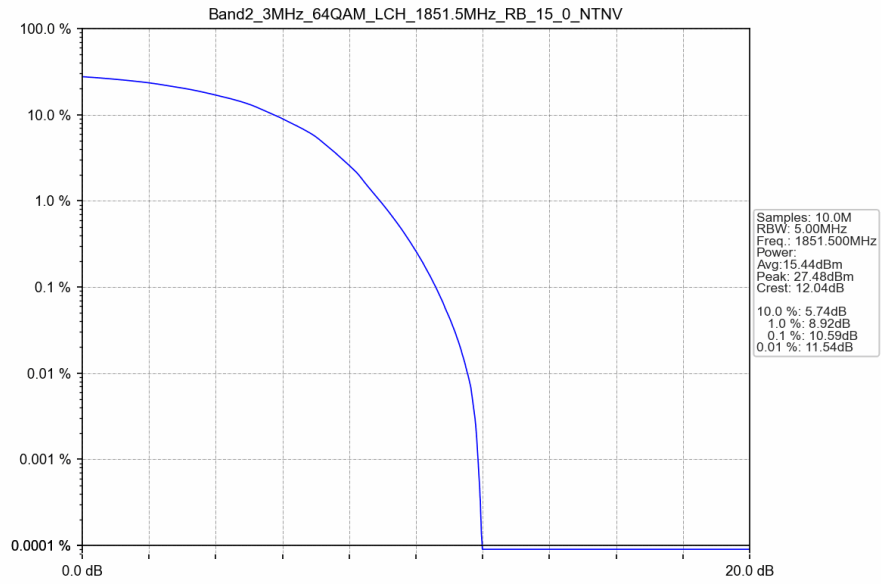
Band2 3MHz 16QAM MCH 1880MHz RB 15_0 NTN



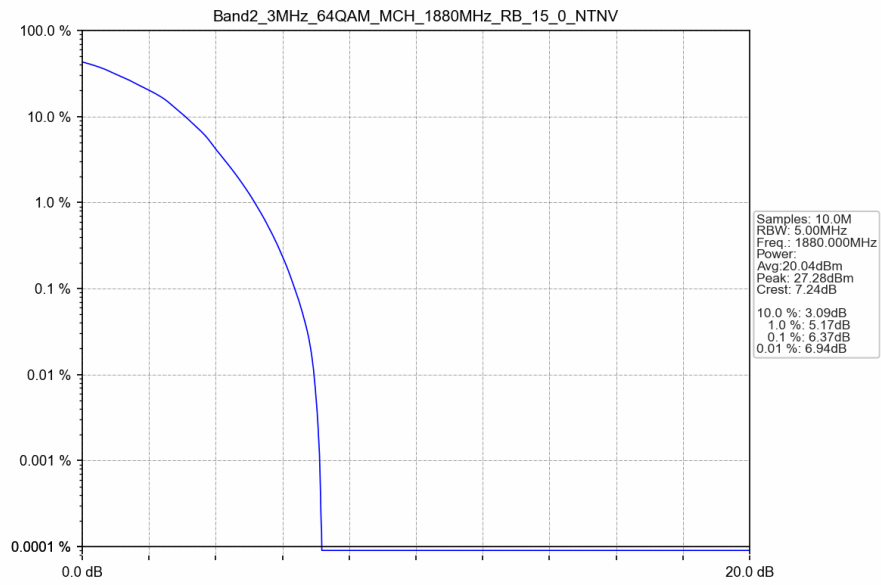
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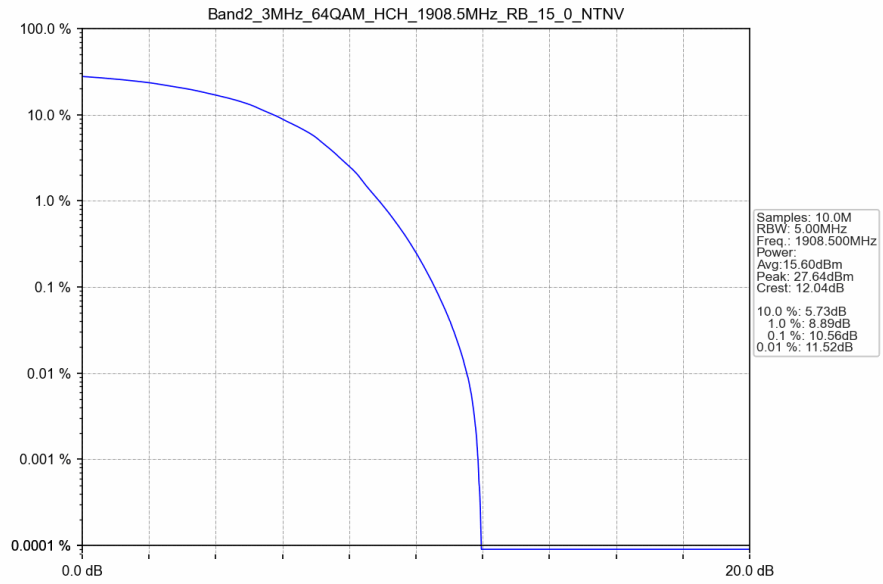
Band2_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



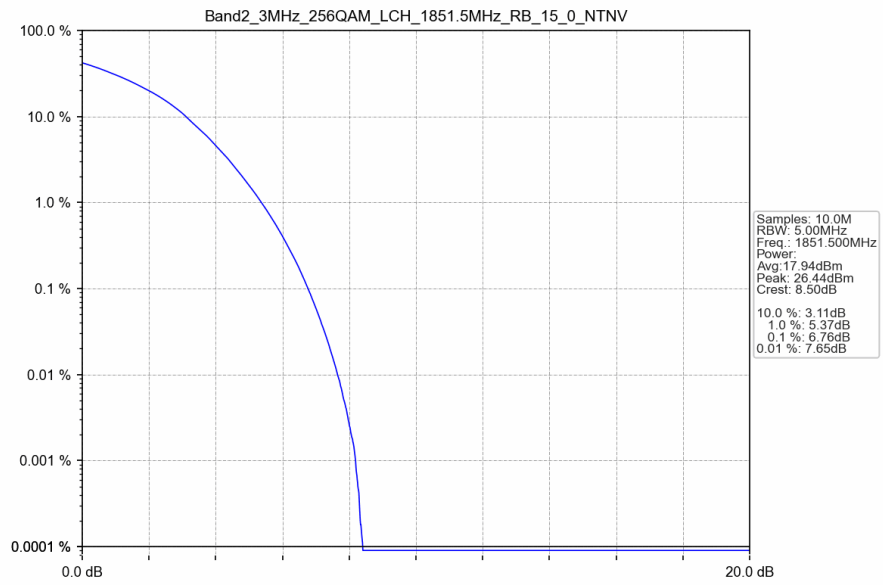
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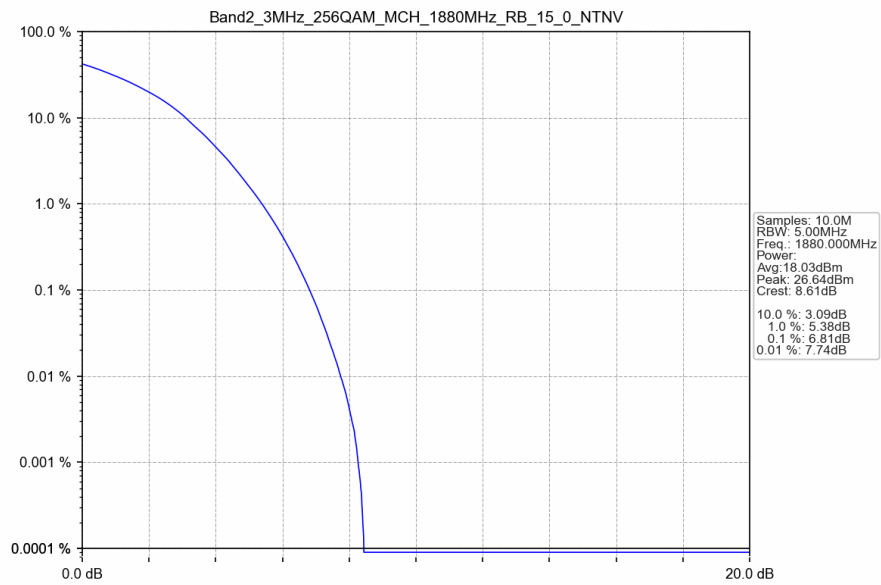
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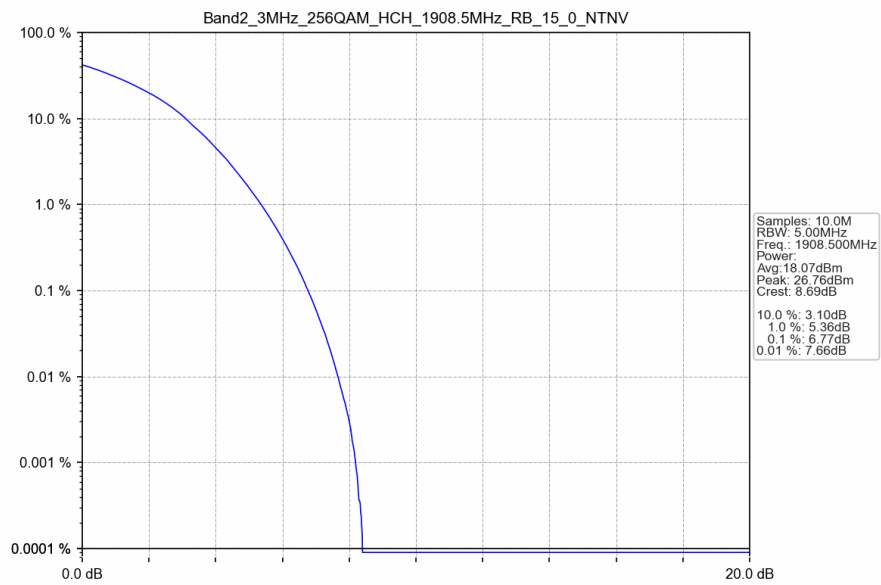
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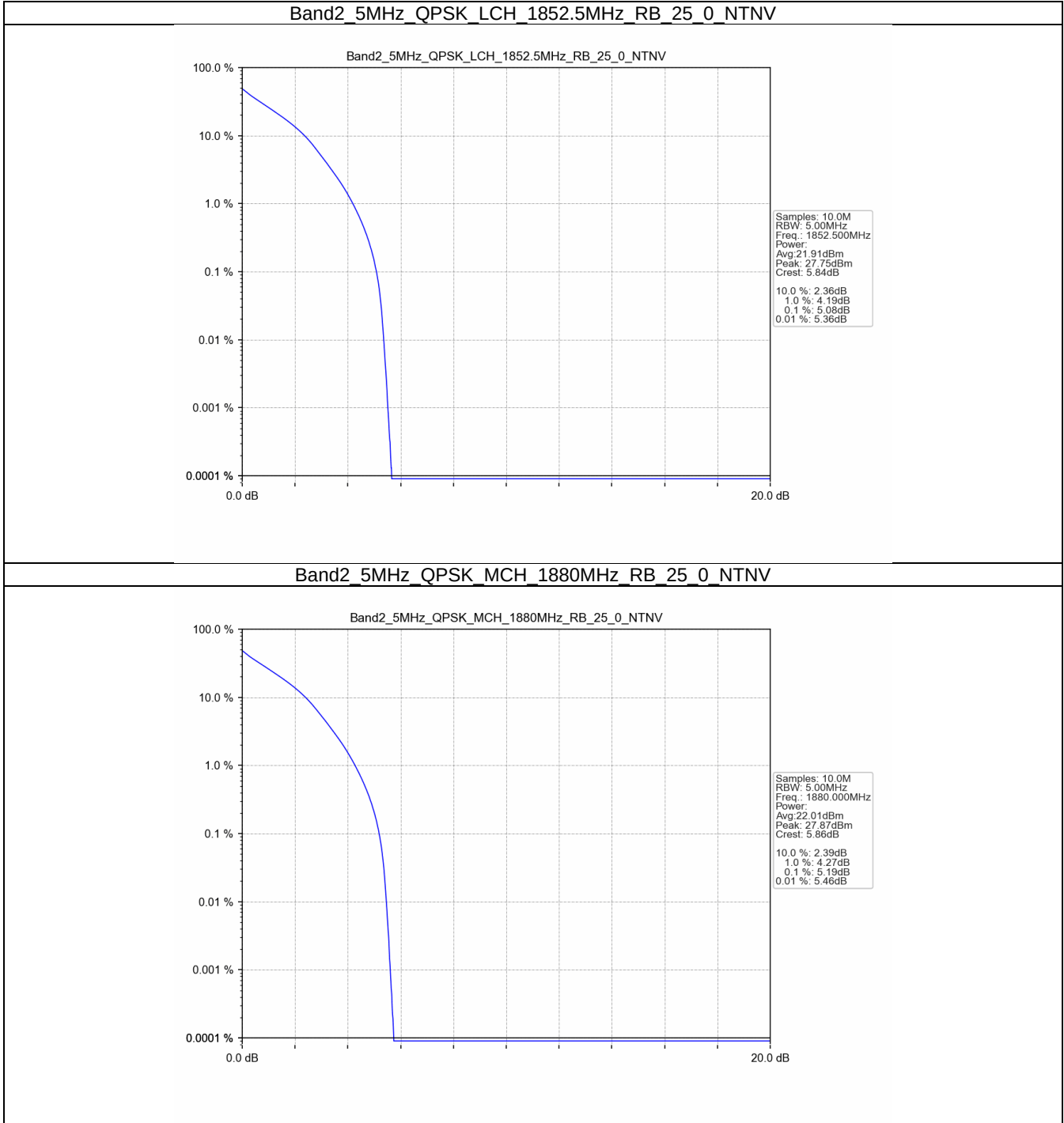
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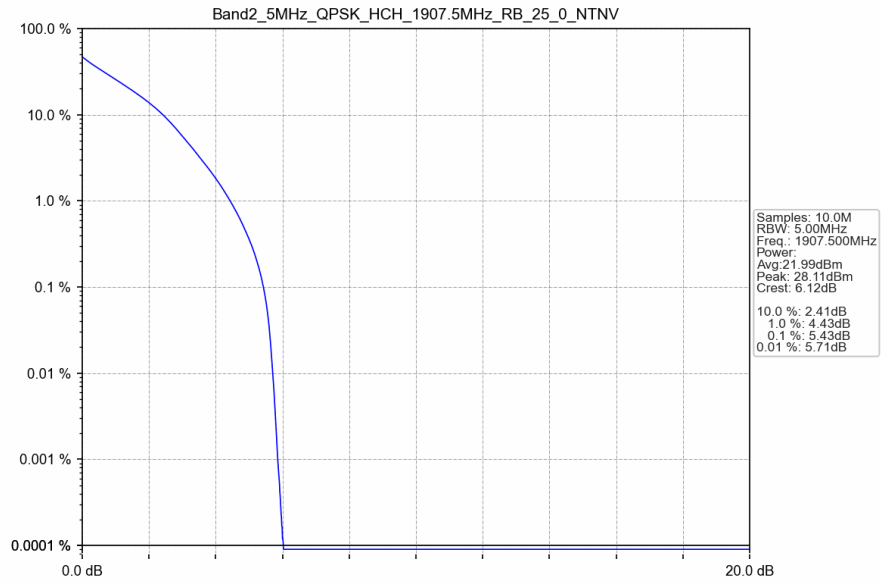
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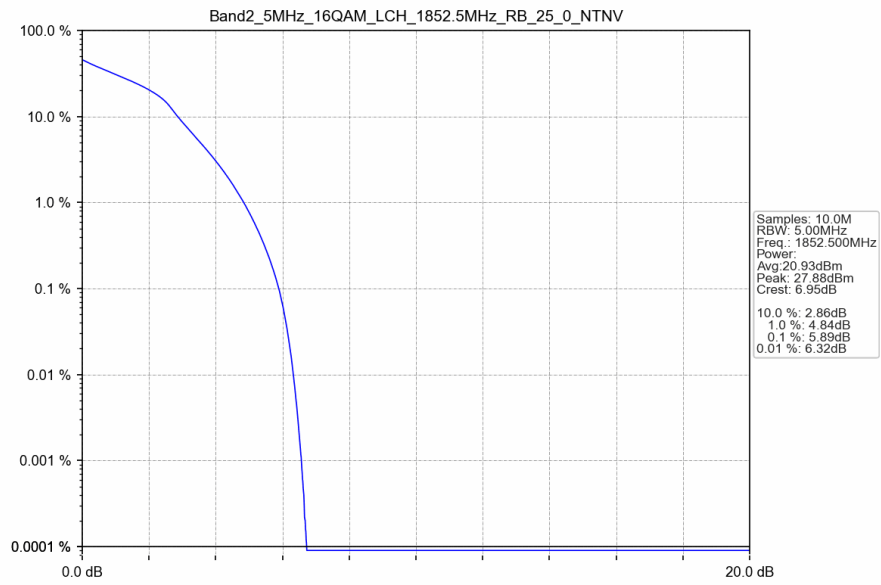
4.2.3 B2_5MHz



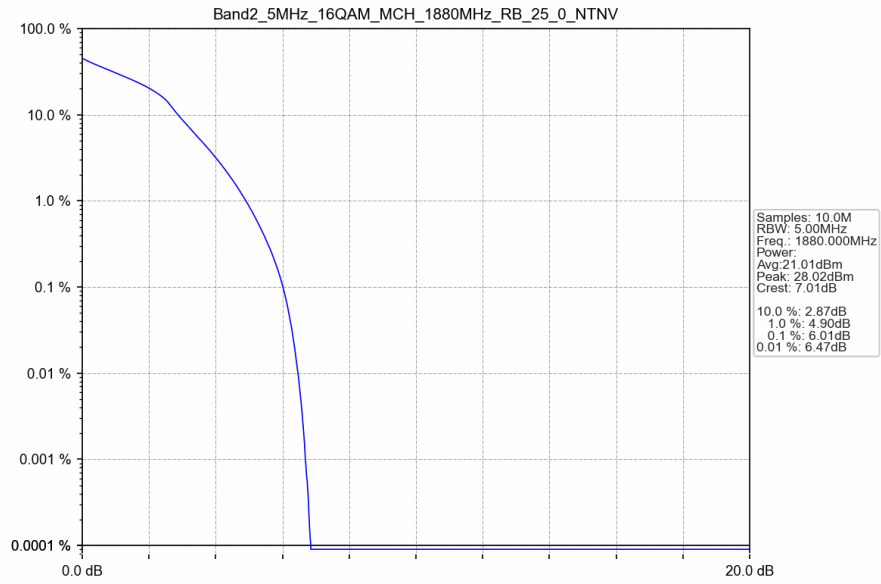
Band2 5MHz QPSK HCH 1907.5MHz RB 25 0 NTV



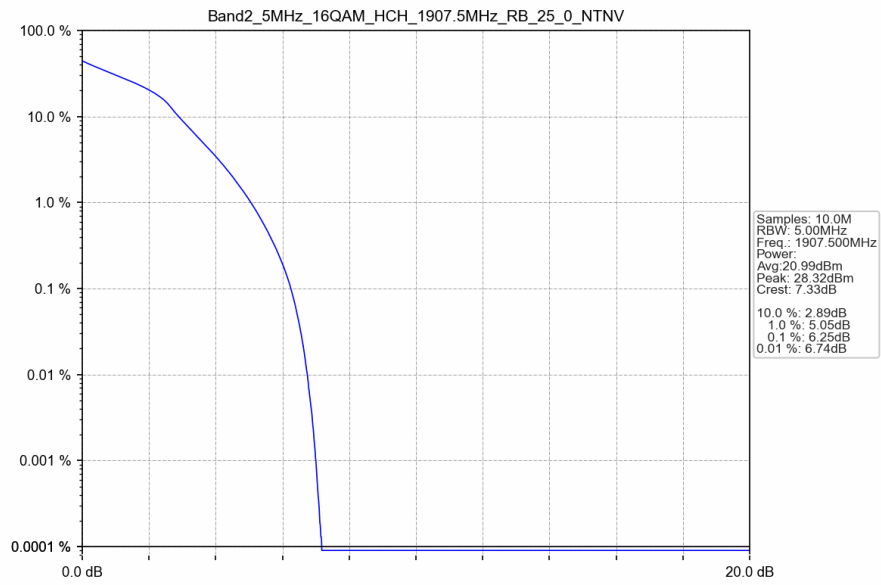
Band2 5MHz 16QAM LCH 1852.5MHz RB 25 0 NTV



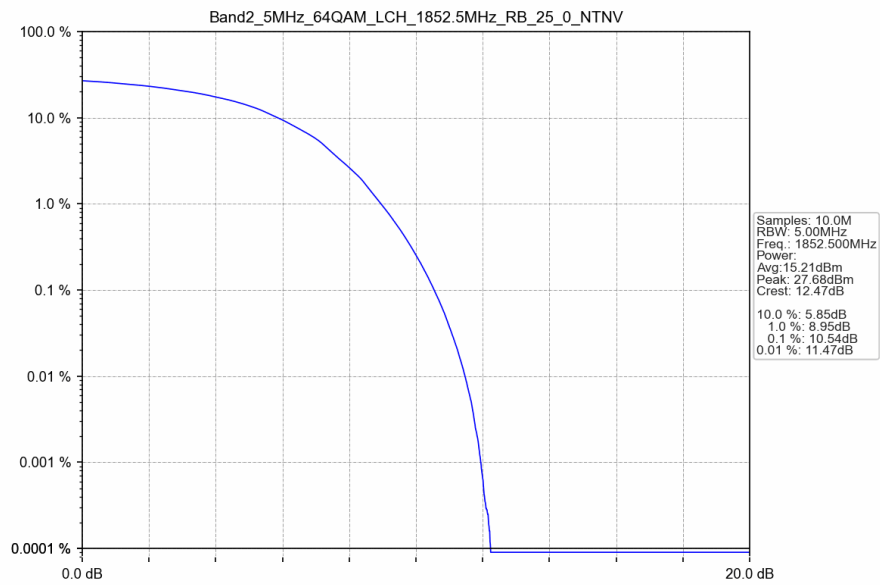
Band2 5MHz 16QAM MCH 1880MHz RB 25_0 NTN



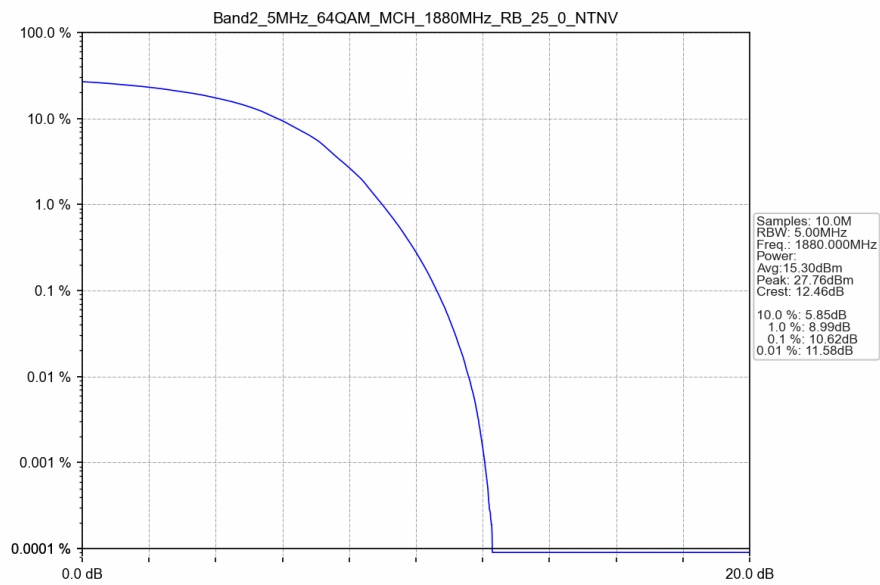
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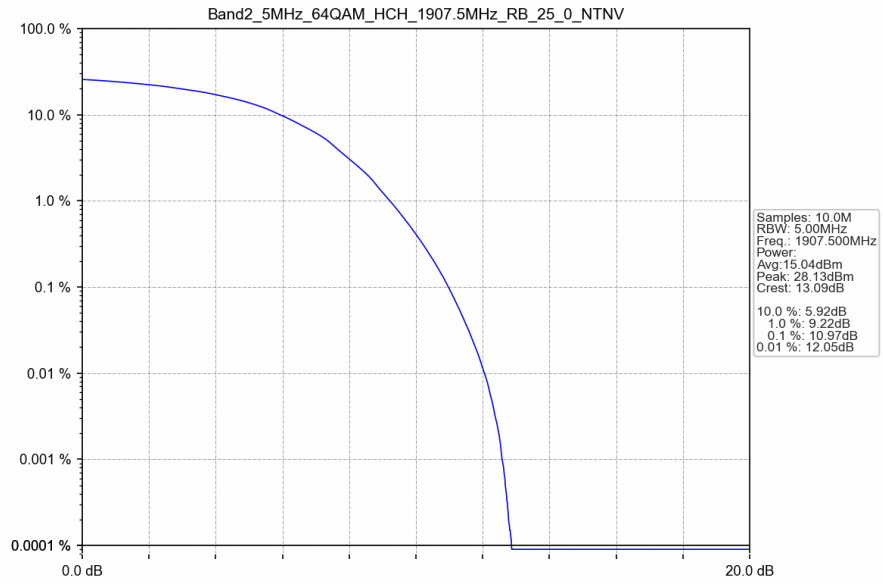
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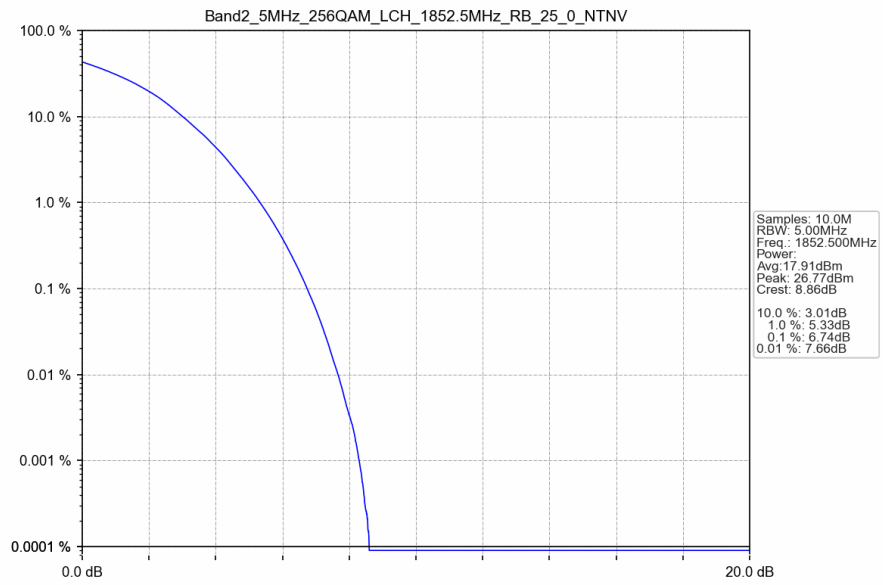
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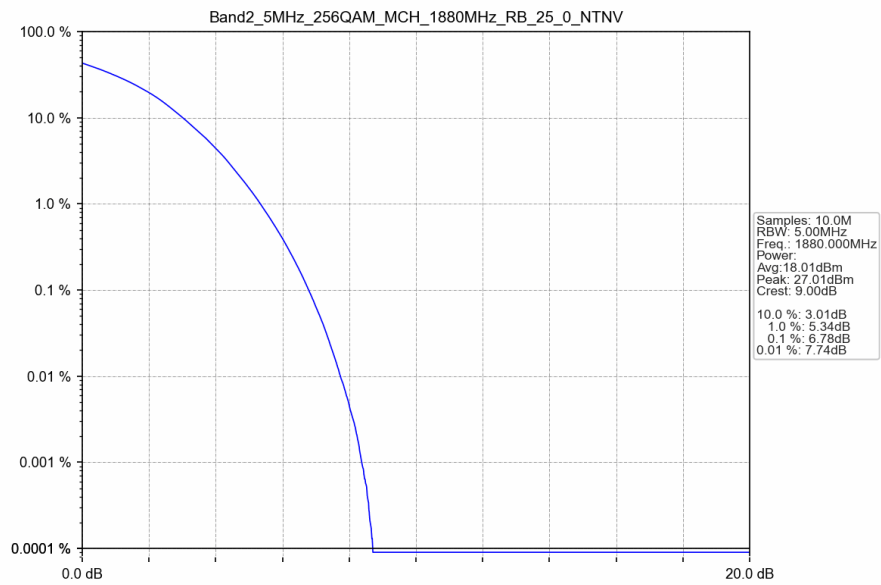
Band2_5MHz_64QAM_HCH_1907.5MHz_RB_25_0_NTNV



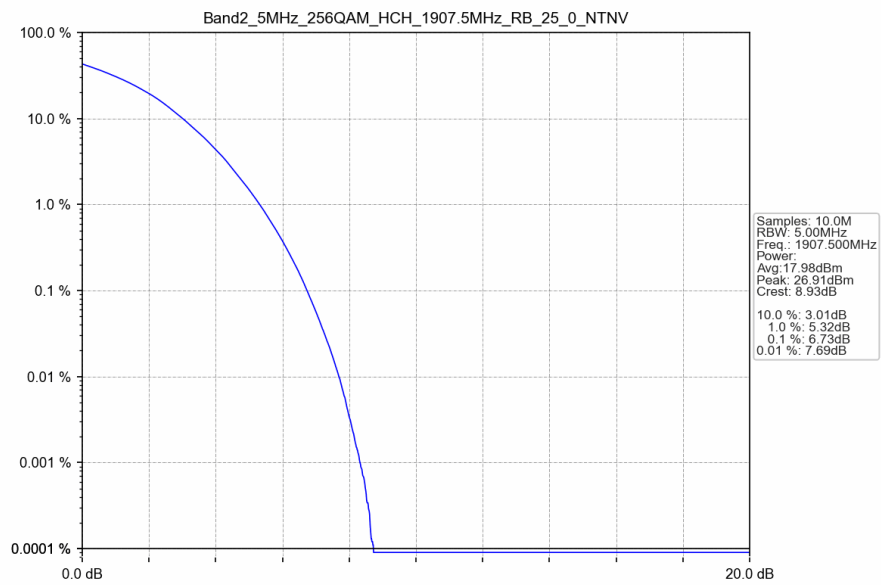
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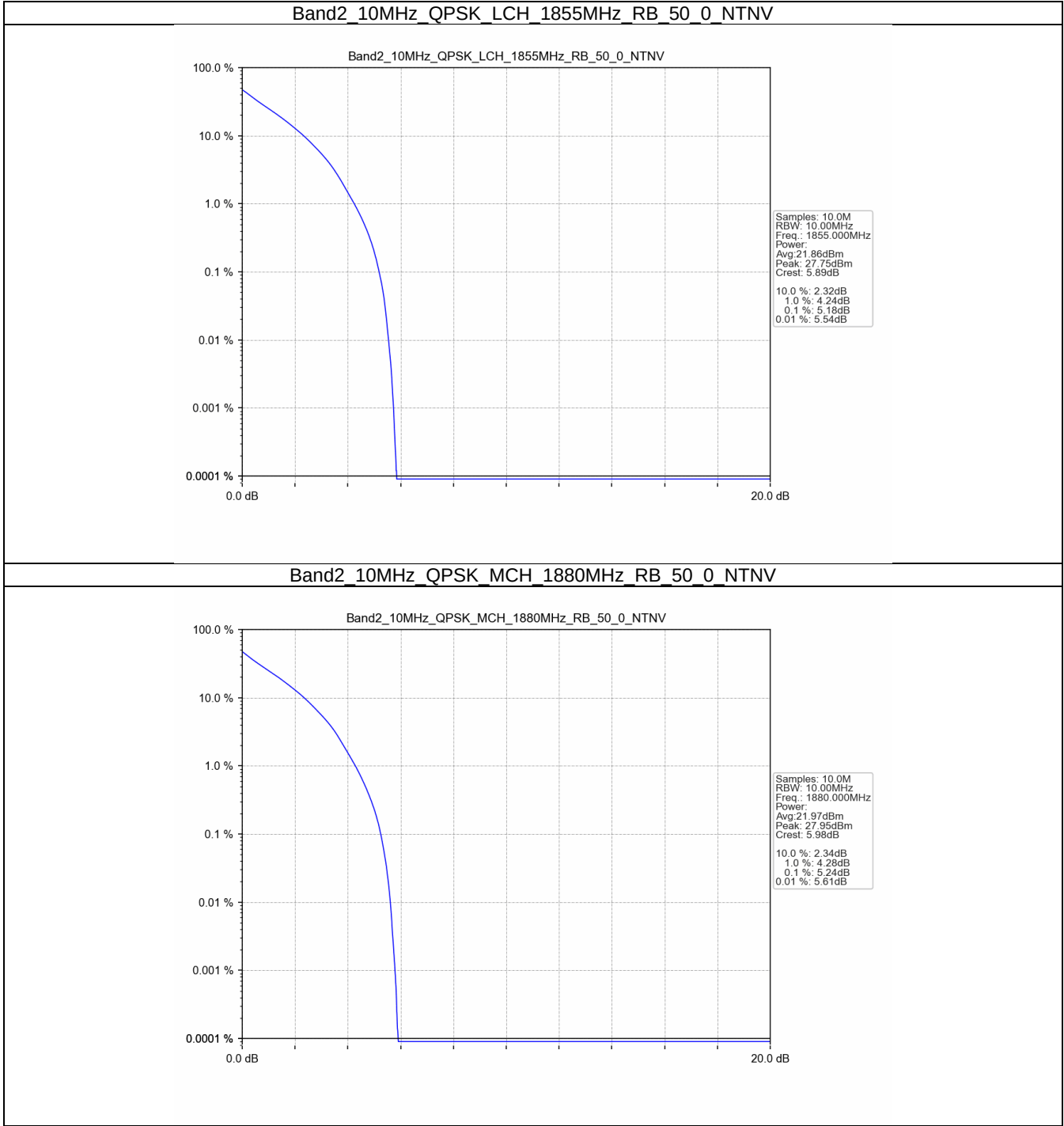
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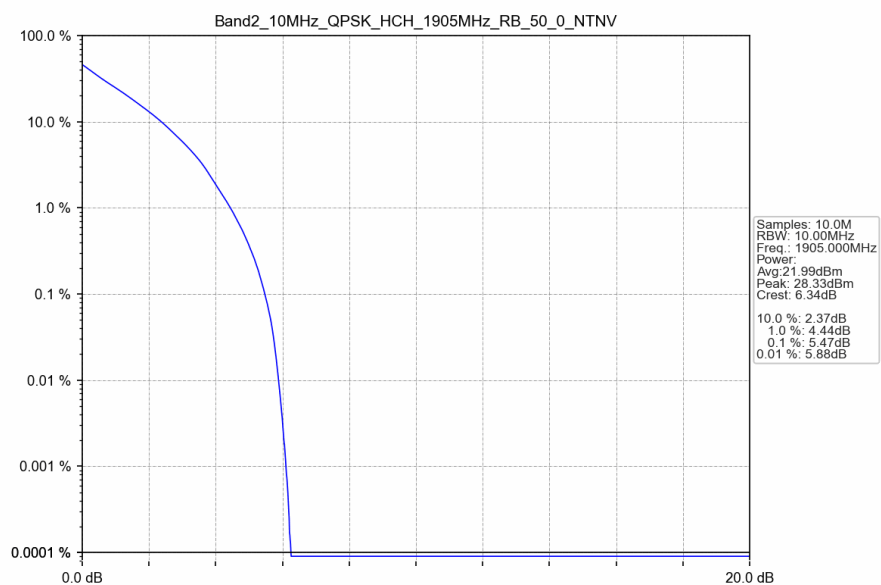
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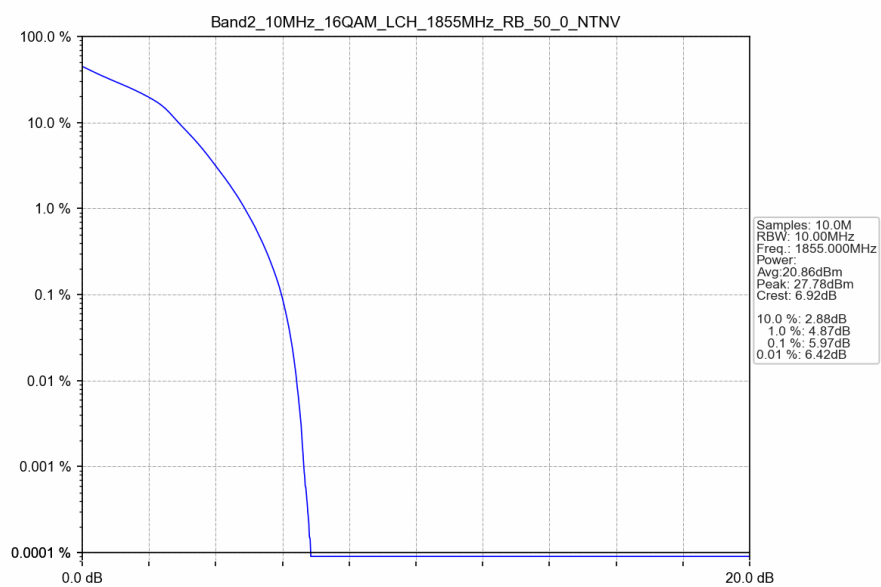
4.2.4 B2_10MHz



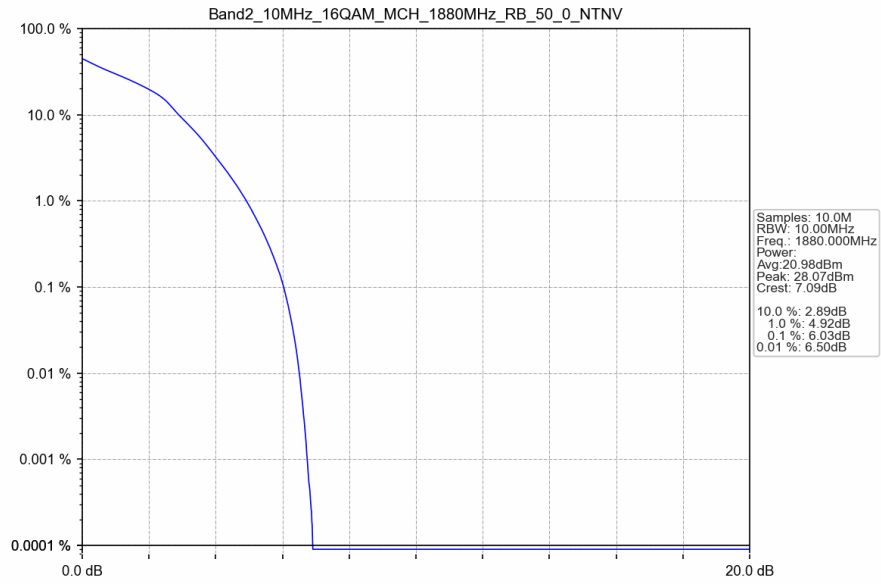
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



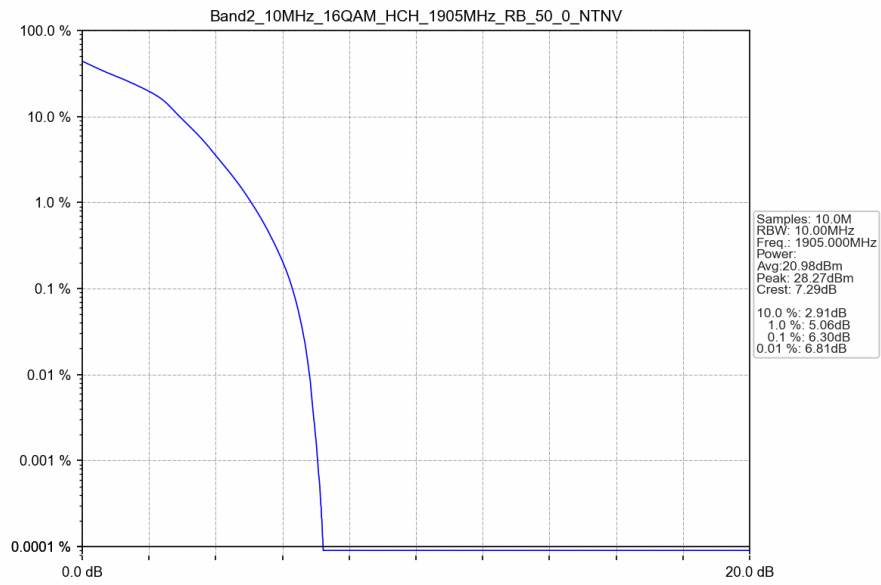
Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



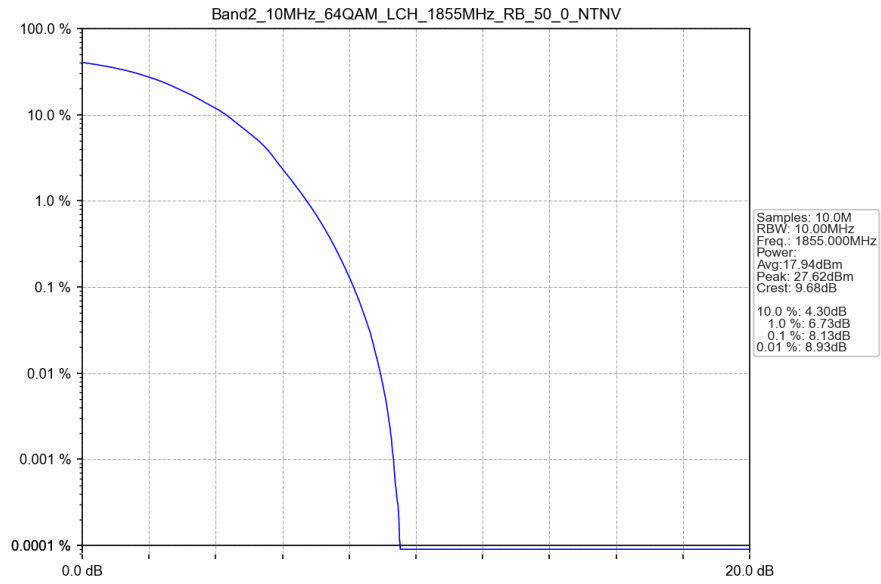
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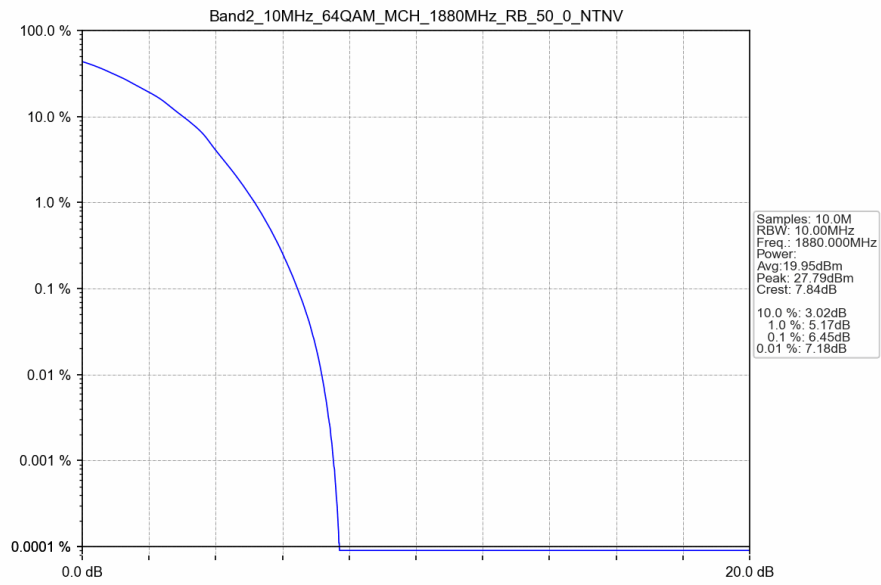
Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV



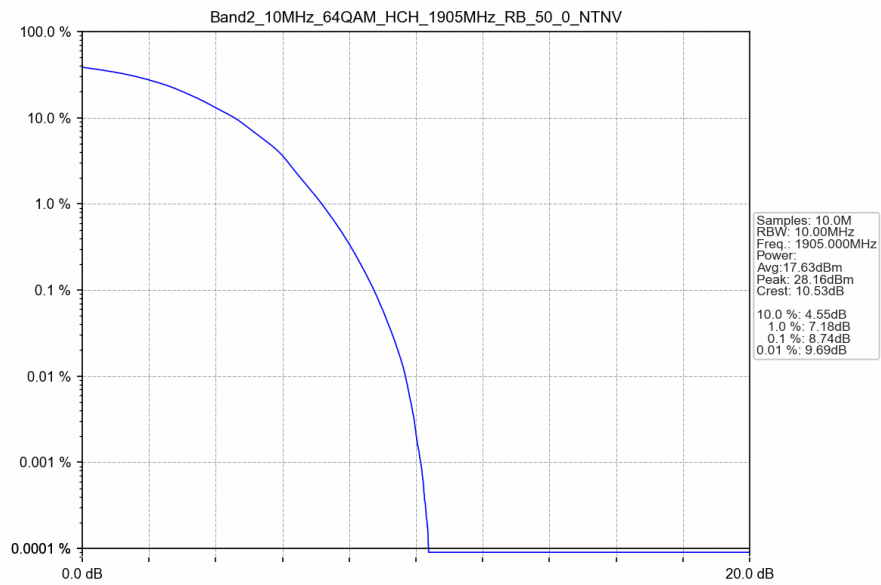
Band2_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



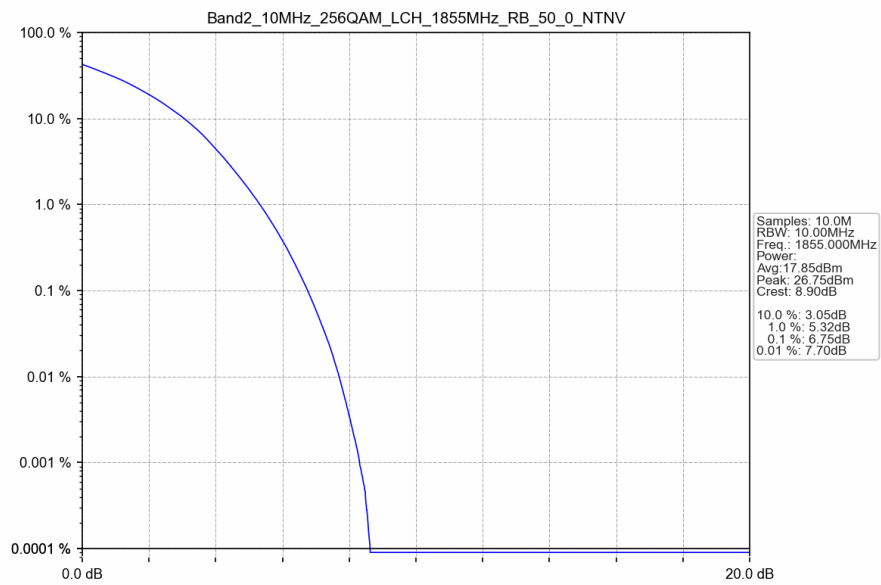
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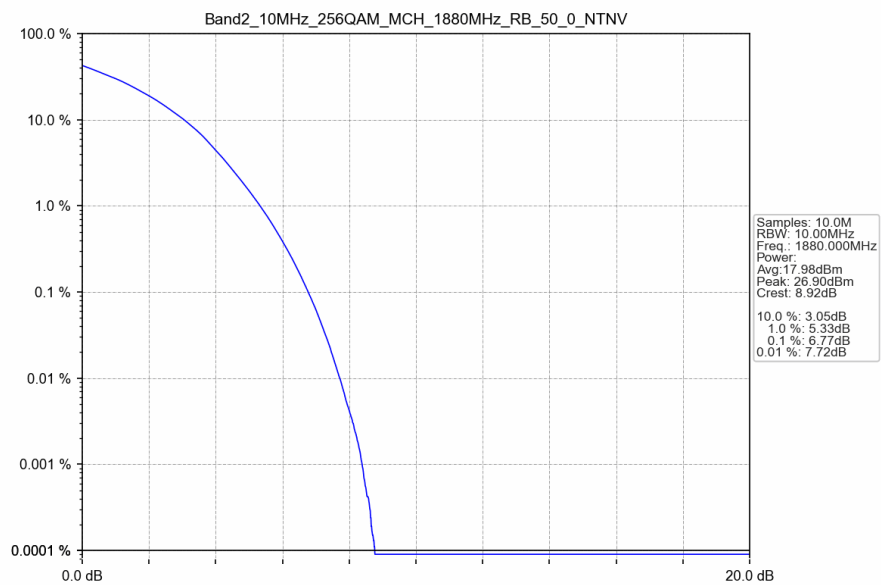
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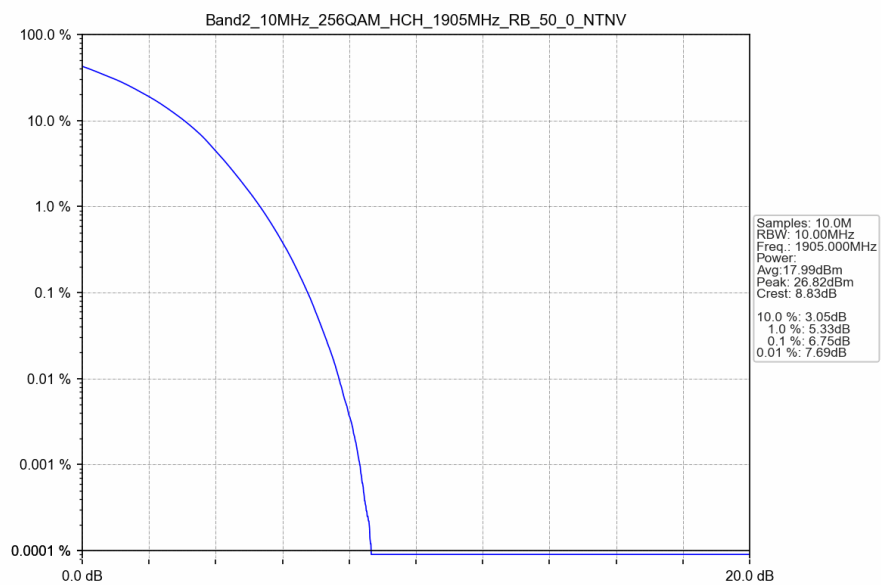
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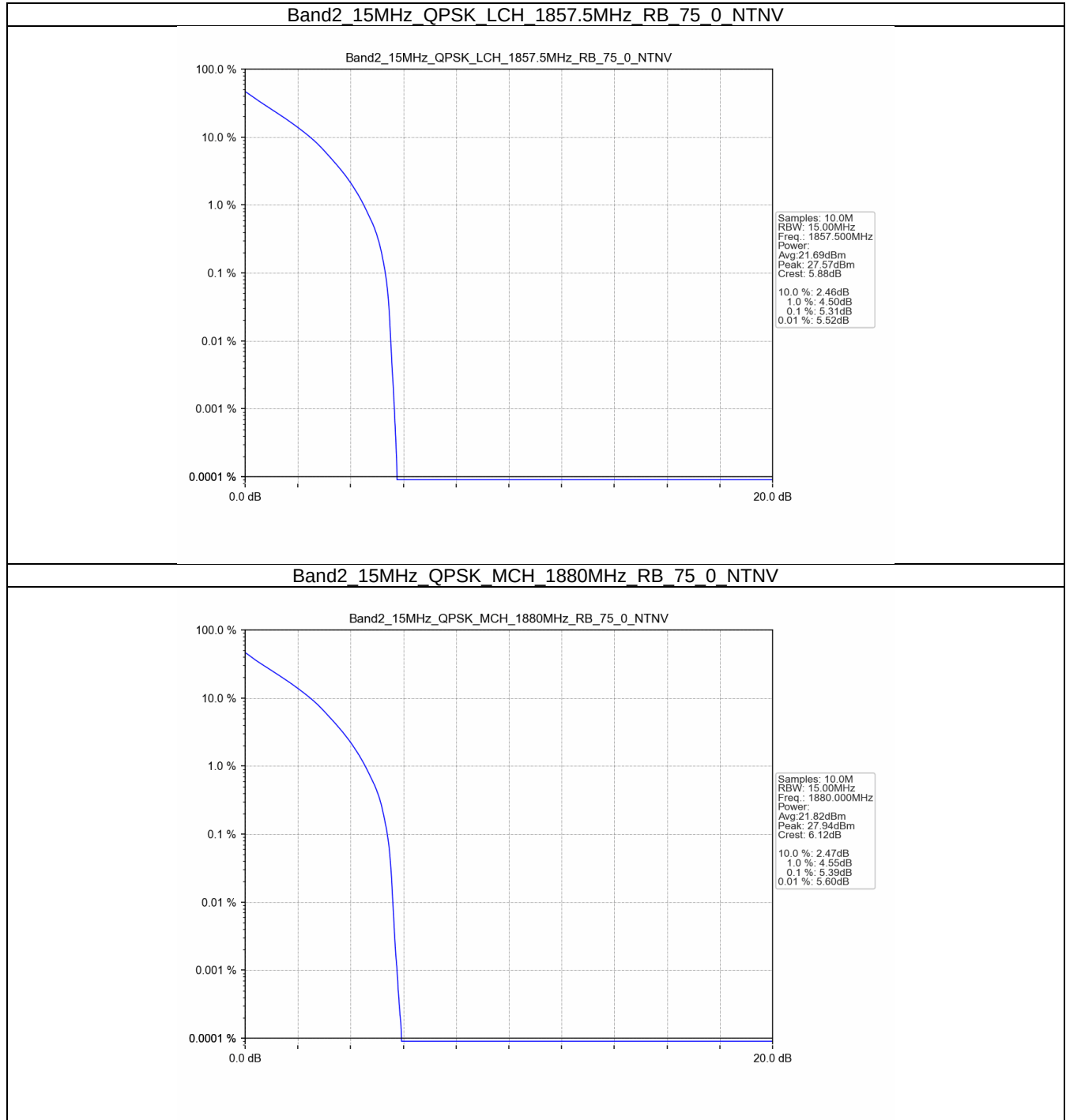
Band2 10MHz 256QAM MCH 1880MHz RB 50 0 NTN



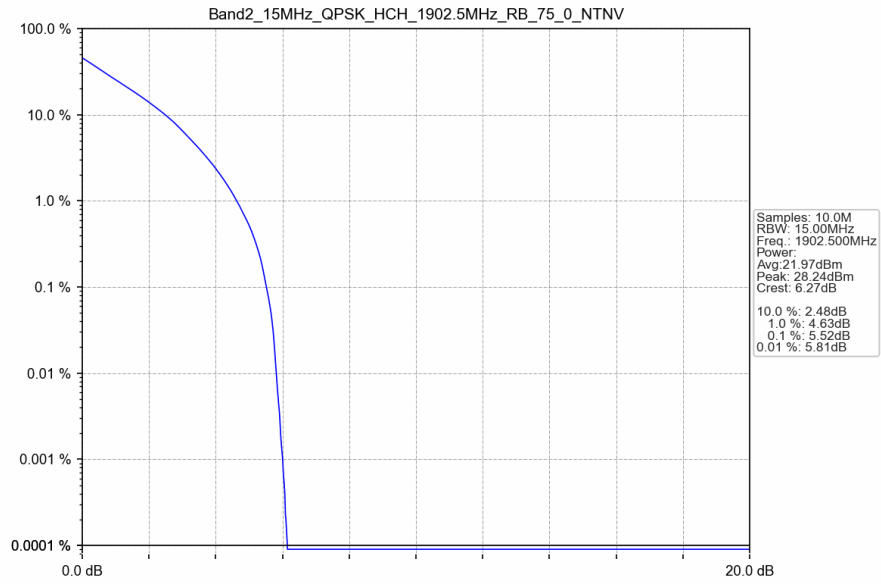
Band2 10MHz 256QAM HCH 1905MHz RB 50 0 NTN



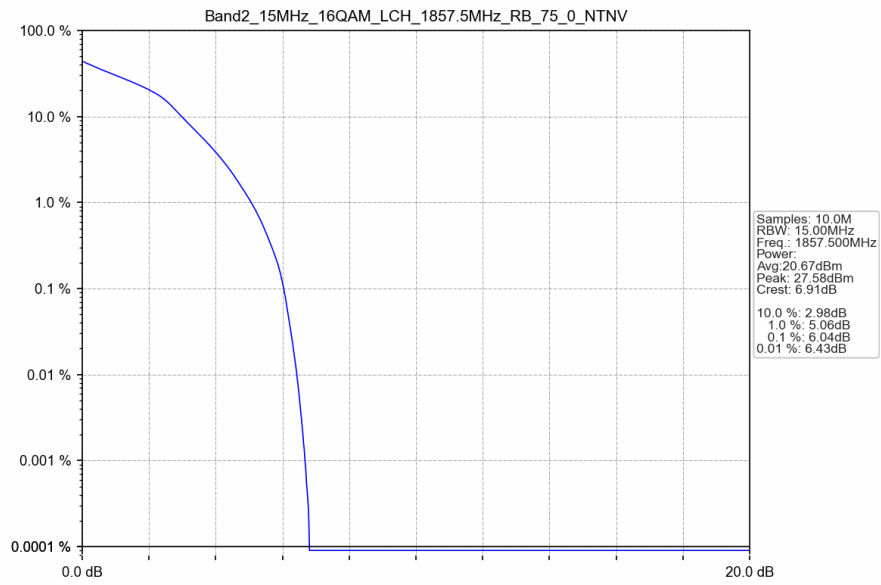
4.2.5 B2_15MHz



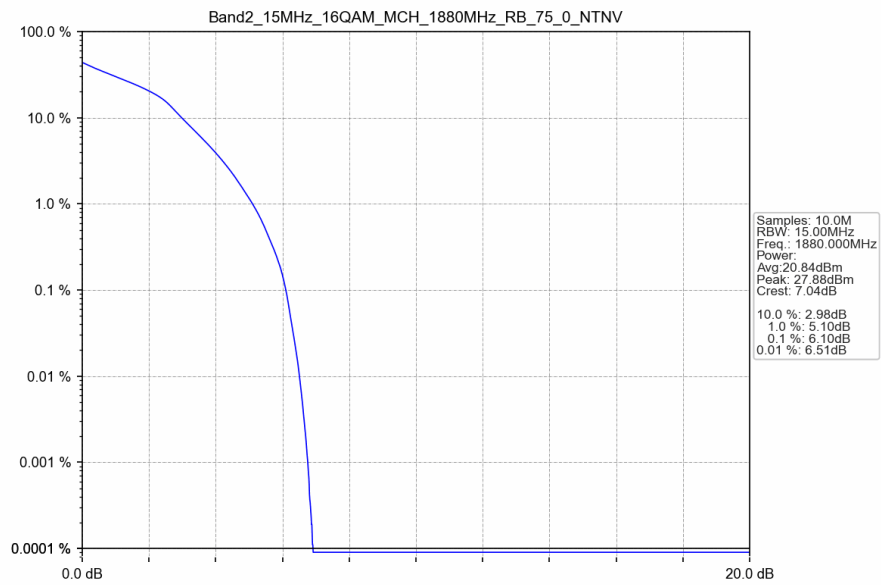
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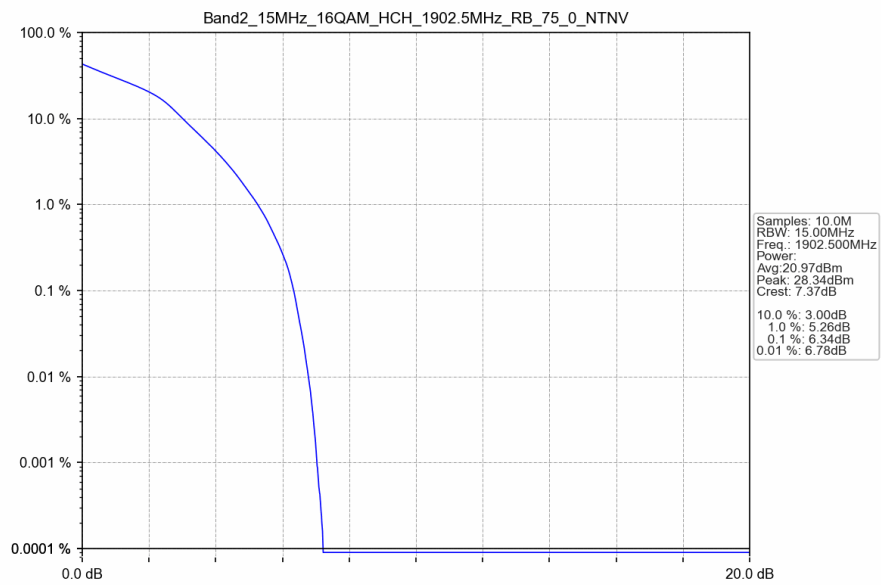
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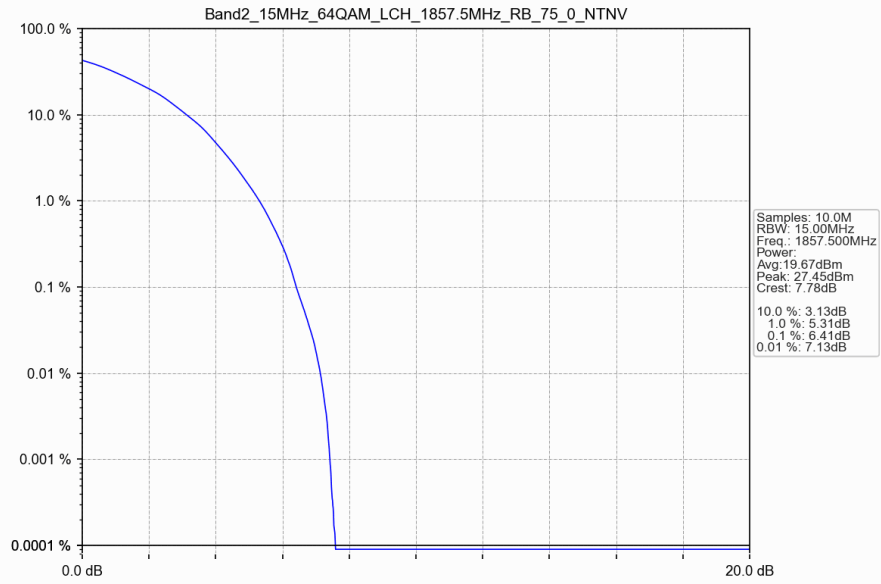
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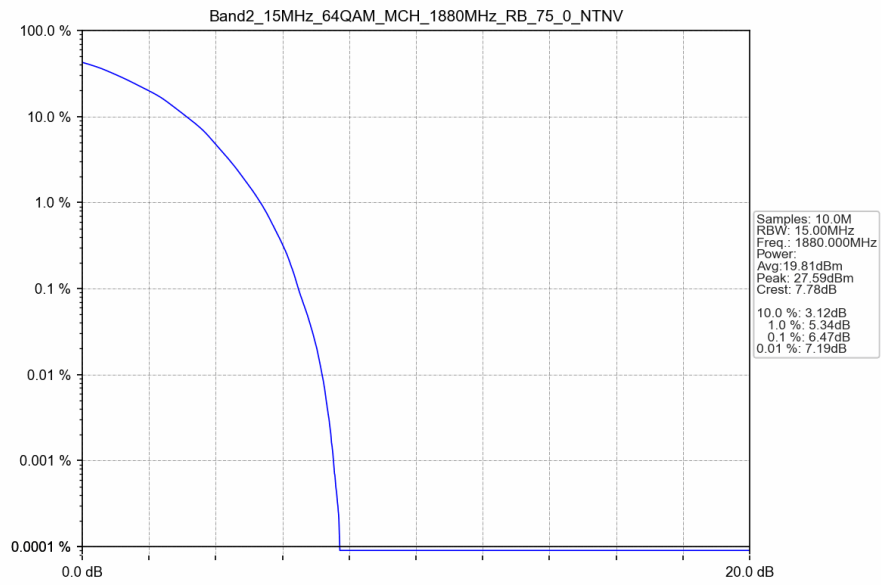
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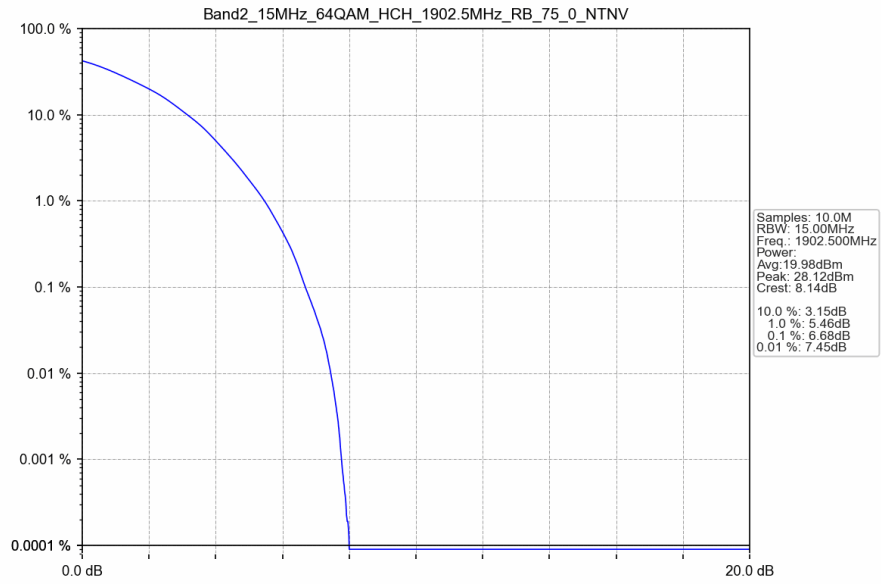
Band2 15MHz 64QAM LCH 1857.5MHz RB 75 0 NTNV



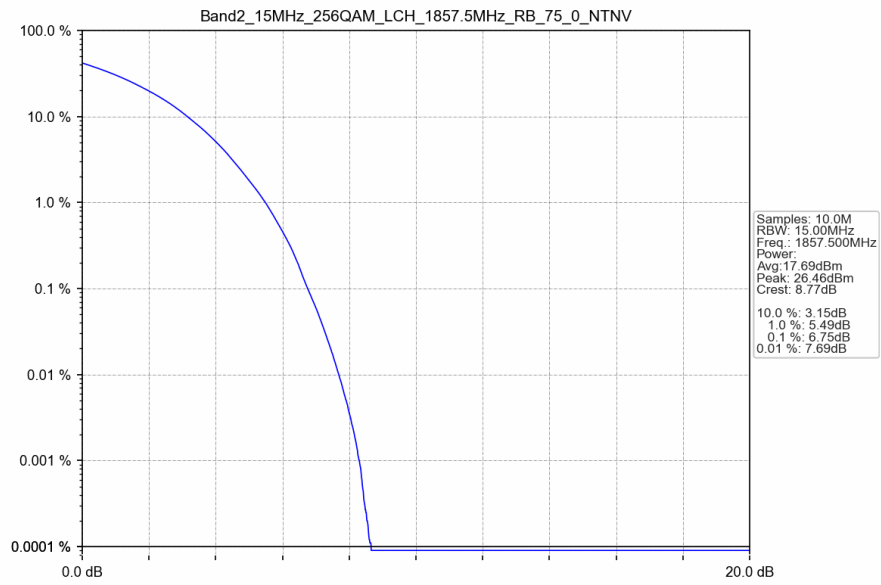
Band2 15MHz 64QAM MCH 1880MHz RB 75 0 NTNV



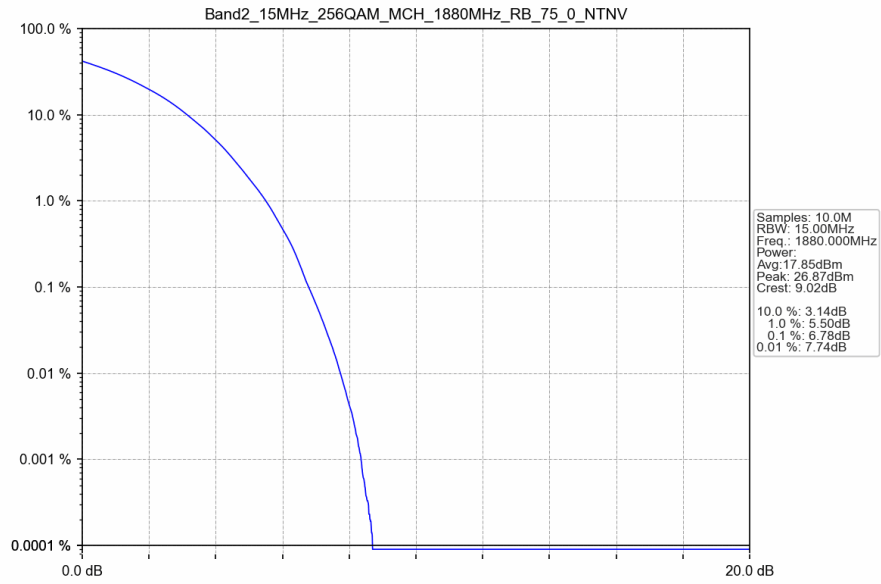
Band2_15MHz_64QAM_HCH_1902.5MHz_RB_75_0_NTNV



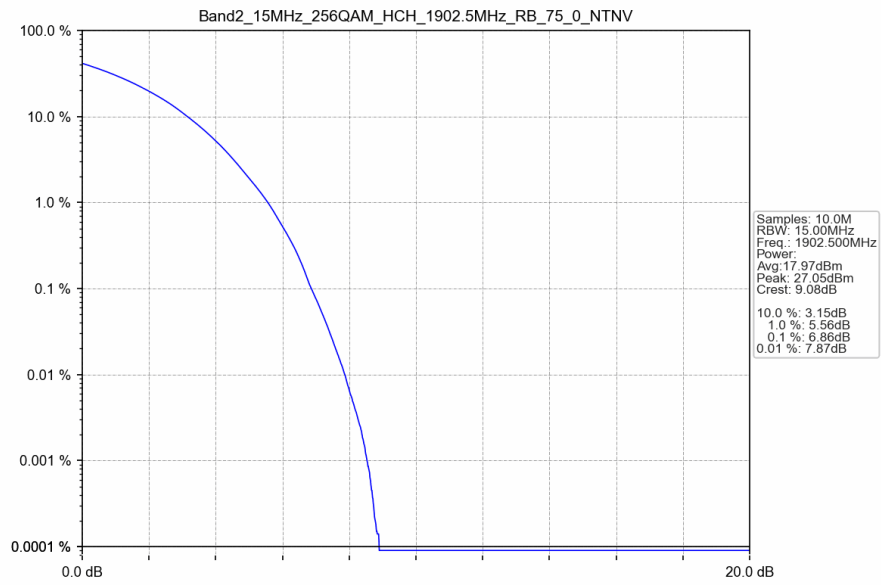
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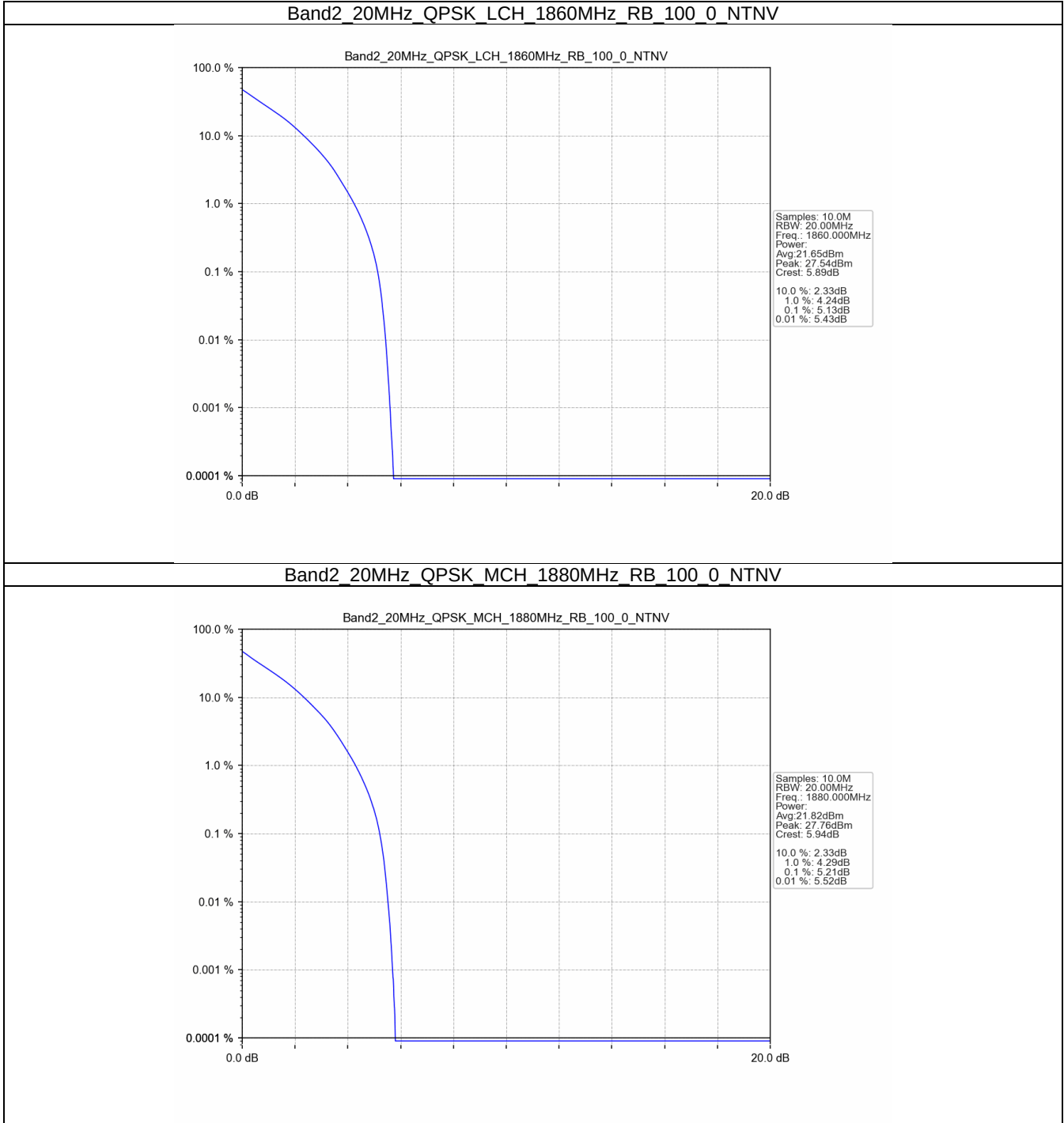
Band2 15MHz 256QAM MCH 1880MHz RB 75 0 NTN



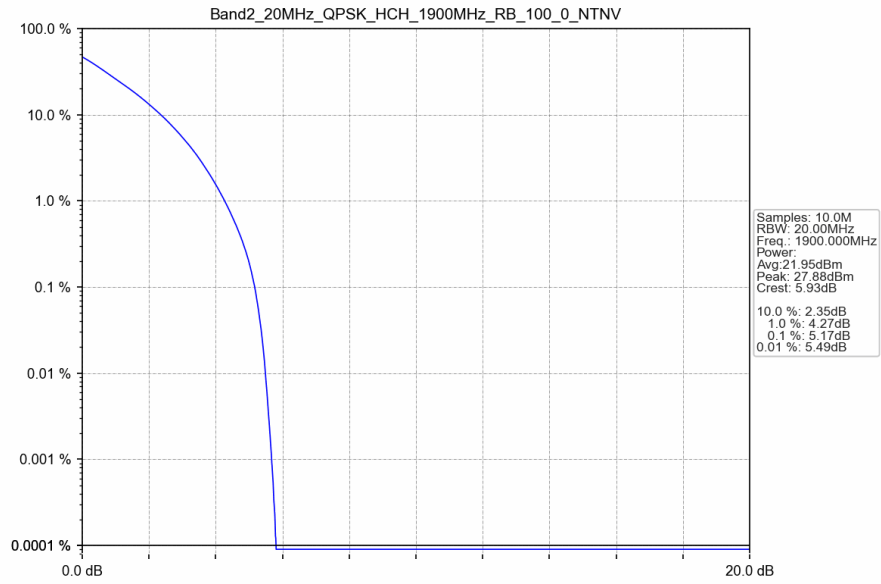
Band2 15MHz 256QAM HCH 1902.5MHz RB 75 0 NTN



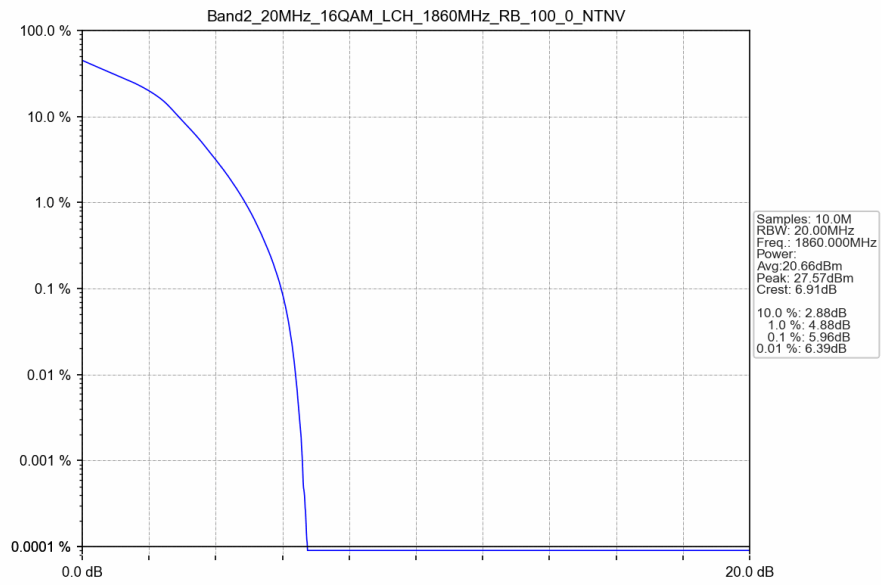
4.2.6 B2_20MHz



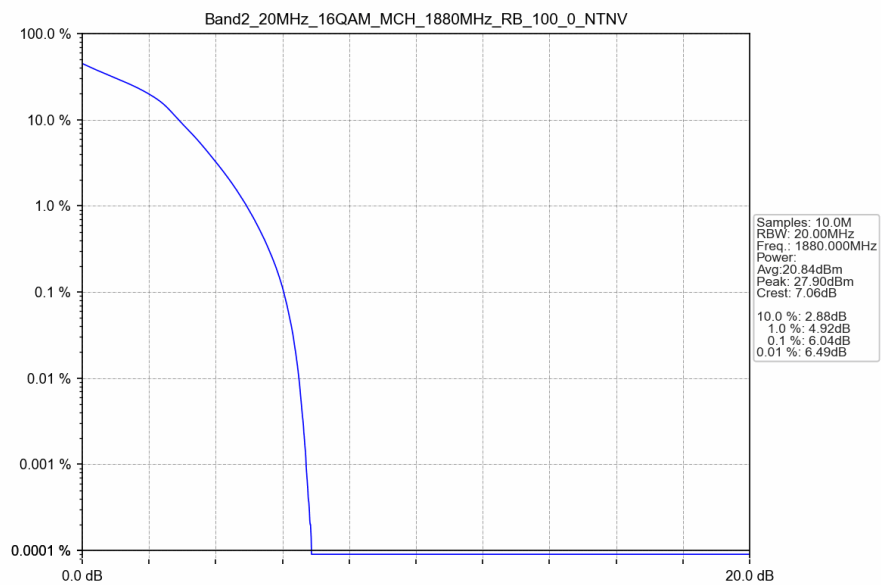
Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



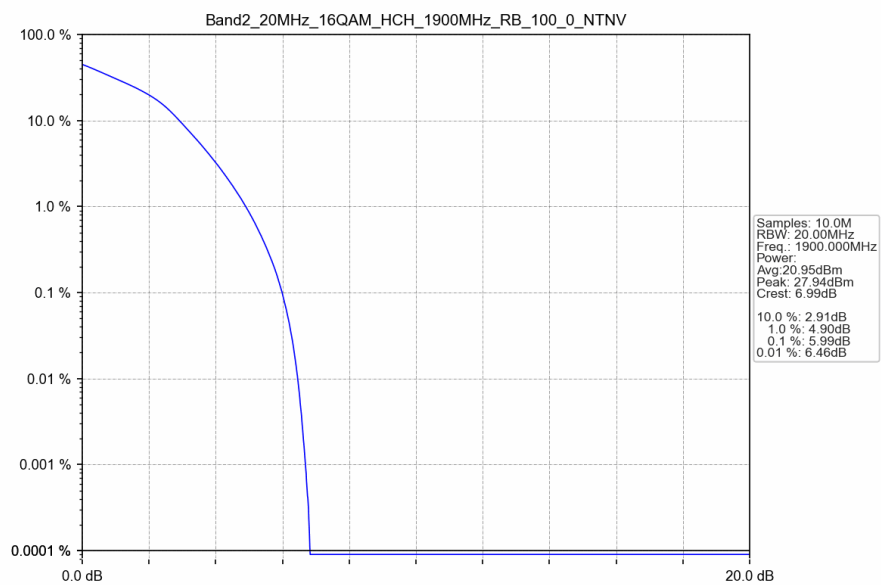
Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



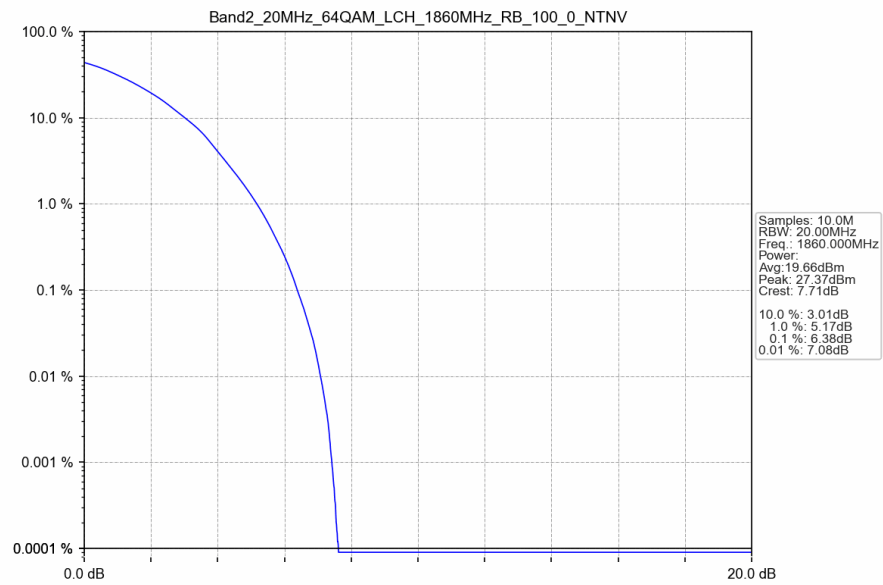
Band2 20MHz 16QAM MCH 1880MHz RB 100 0 NTN



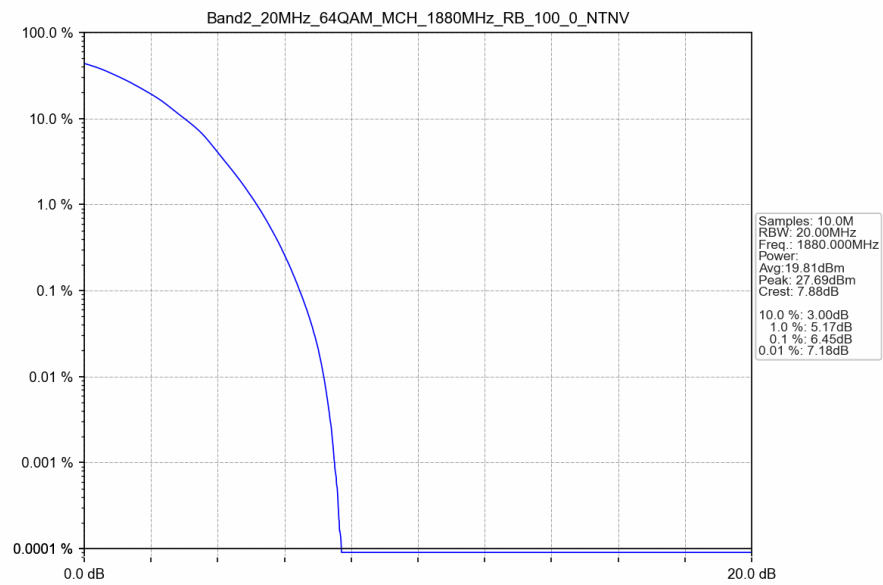
Band2 20MHz 16QAM HCH 1900MHz RB 100 0 NTN



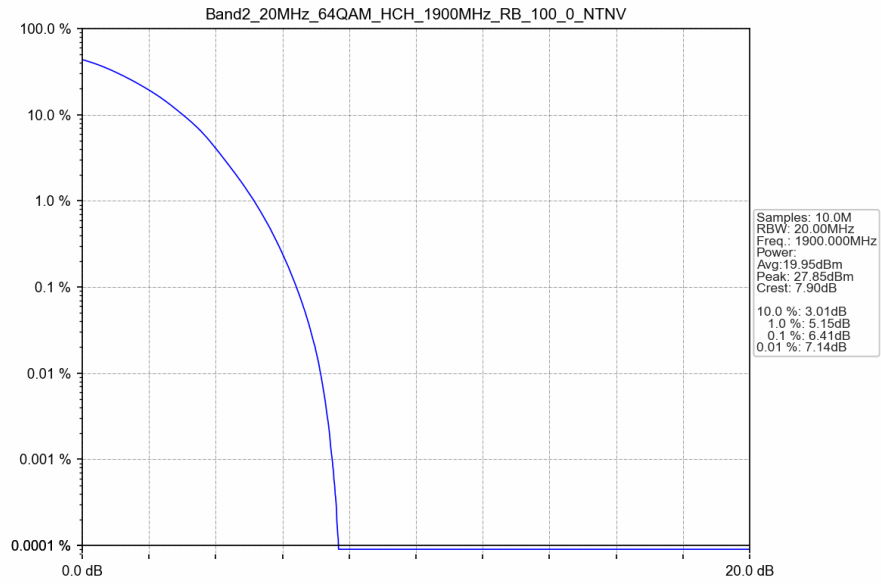
Band2 20MHz 64QAM LCH 1860MHz RB 100 0 NTNV



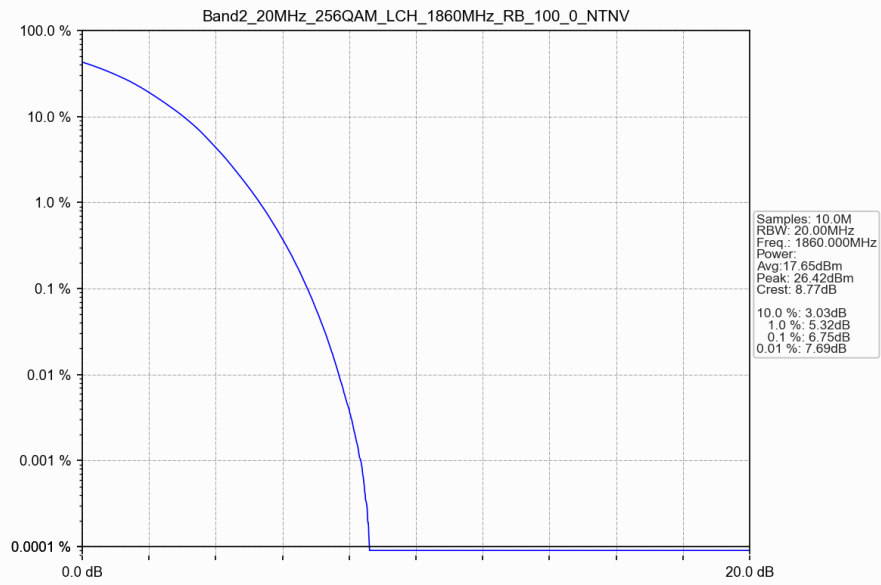
Band2 20MHz 64QAM MCH 1880MHz RB 100 0 NTNV



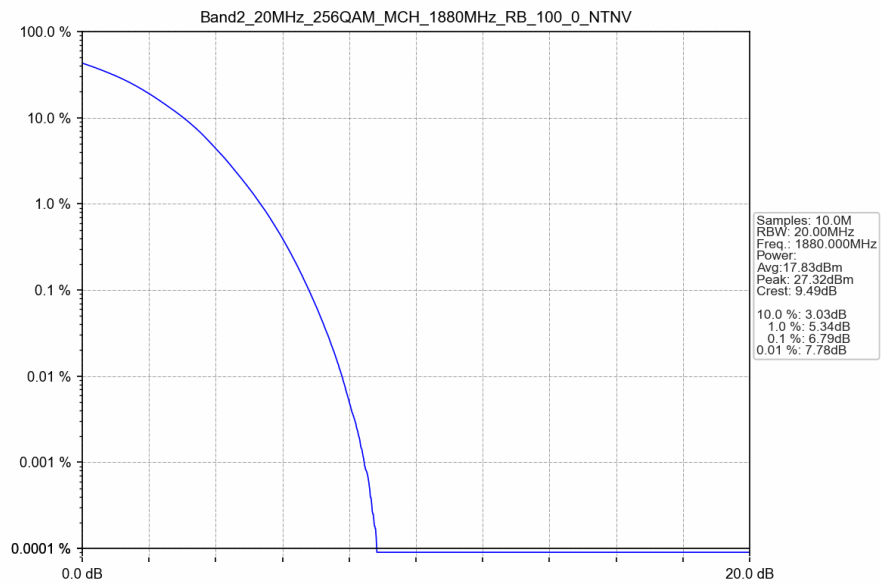
Band2 20MHz 64QAM HCH 1900MHz RB 100 0 NTNV



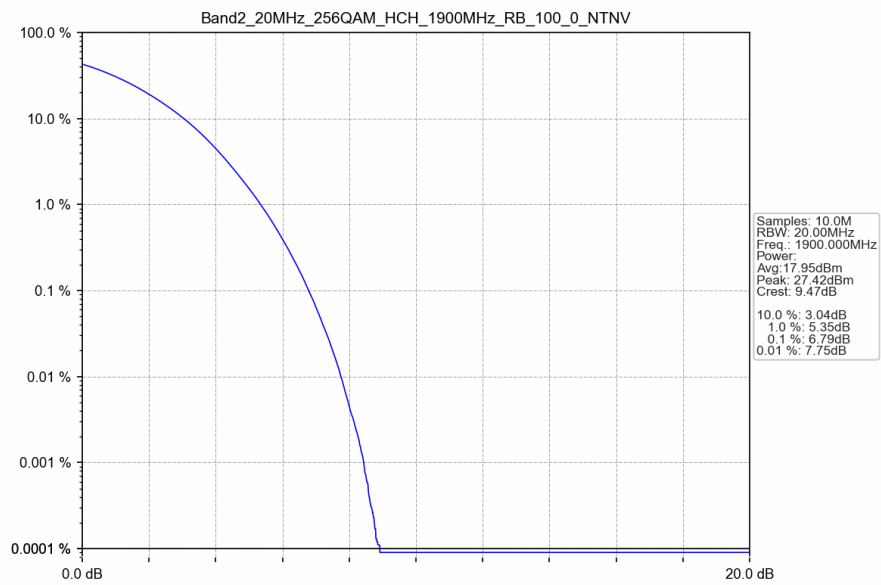
Band2 20MHz 256QAM LCH 1860MHz RB 100 0 NTNV



Band2_20MHz_256QAM_MCH_1880MHz_RB_100_0_NTNV



Band2_20MHz_256QAM_HCH_1900MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
		1909.3	1	0	Refer To Test Graph	
	5			Refer To Test Graph		Pass
	6		0	Refer To Test Graph		Pass

5.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1908.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass

	1905	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

5.1.5 B2_15MHz

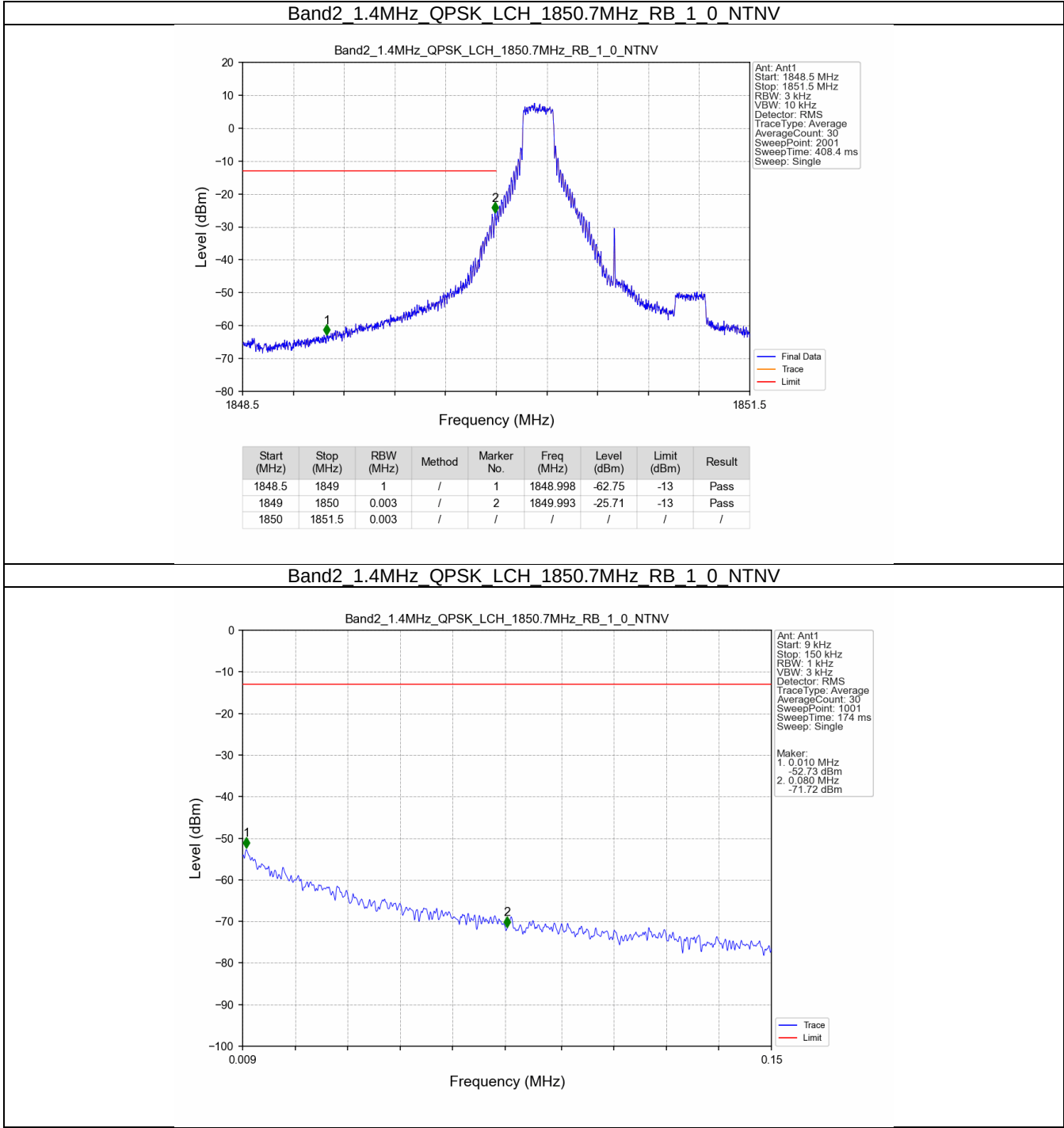
Band: 2 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1902.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.6 B2_20MHz

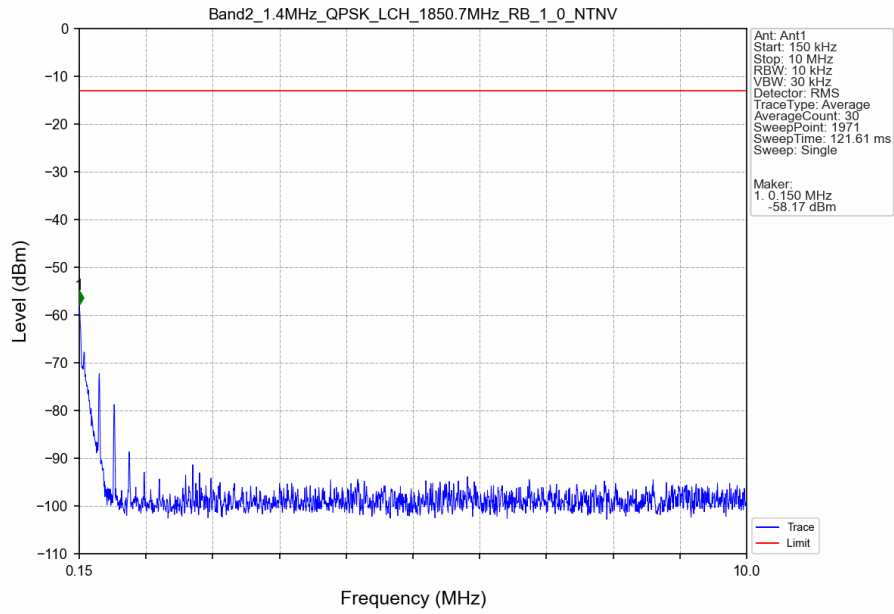
Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1900	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

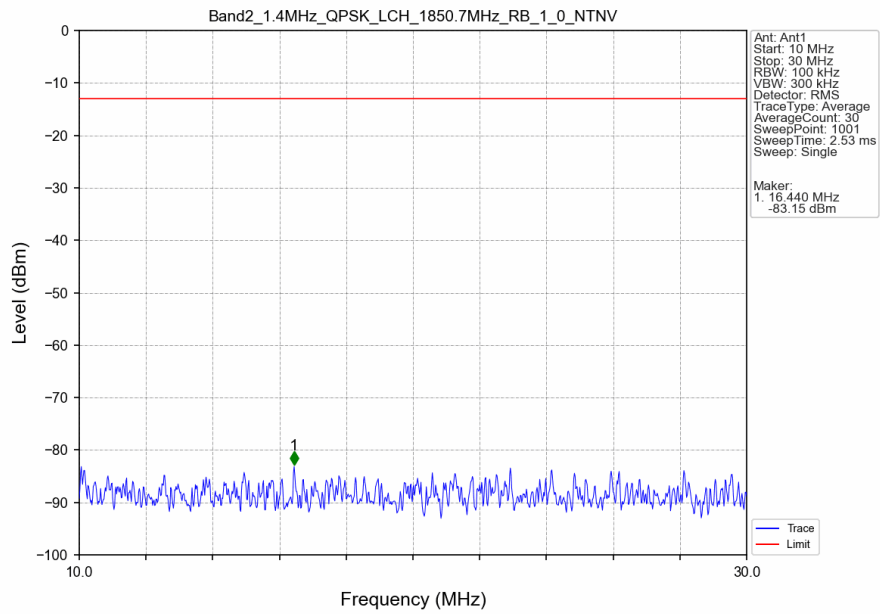
5.2.1 B2_1.4MHz



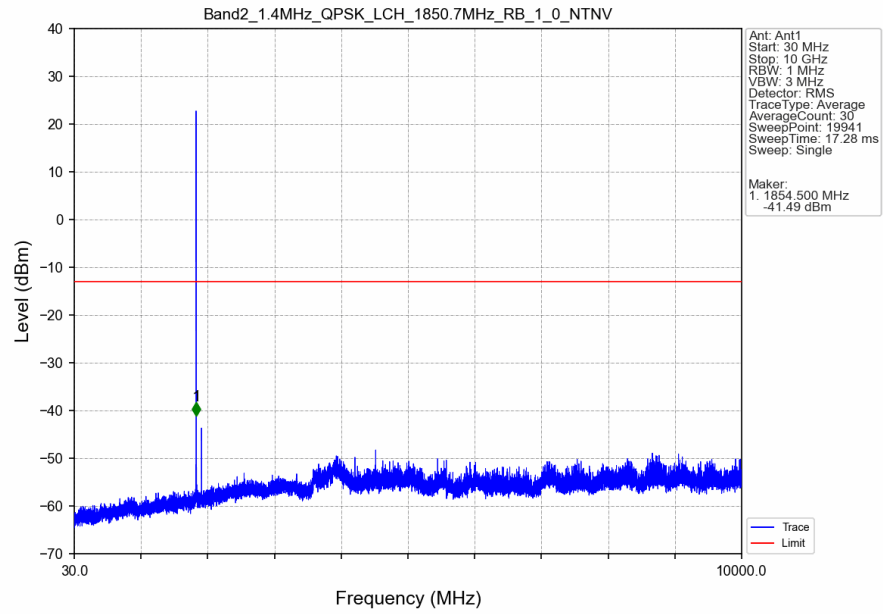
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



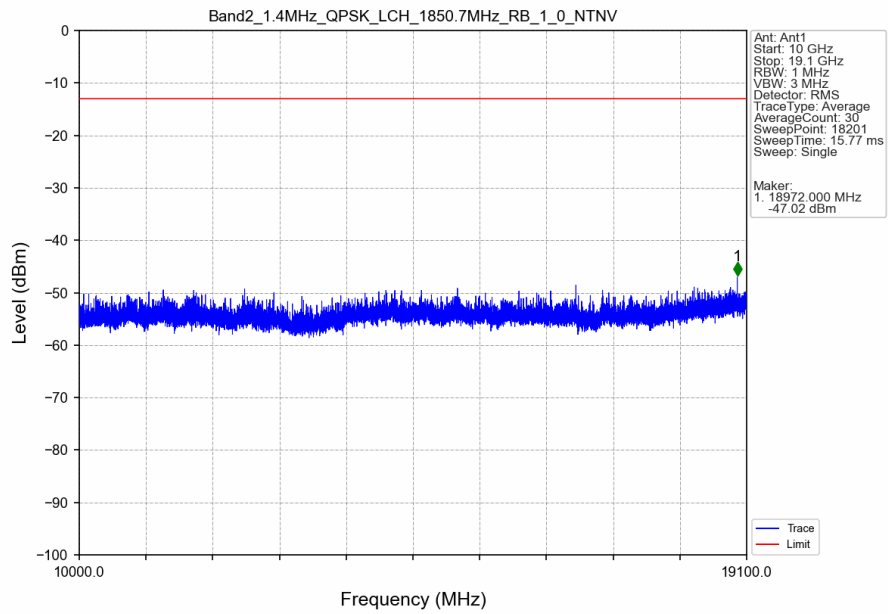
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



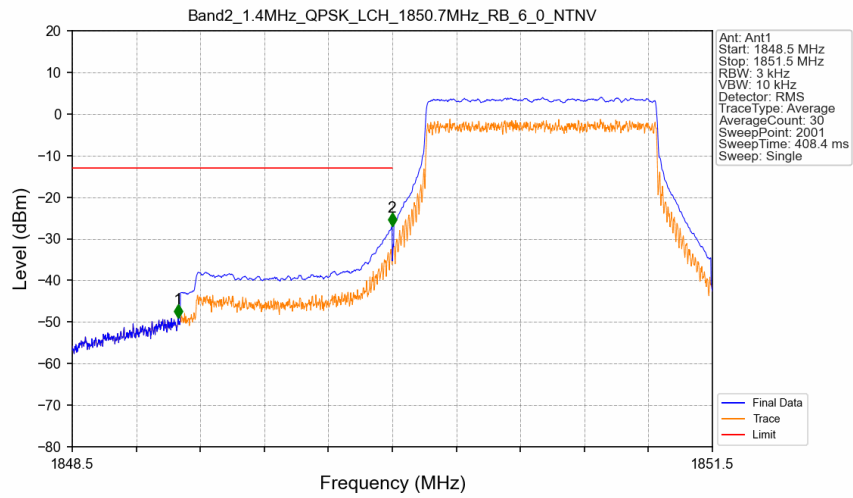
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

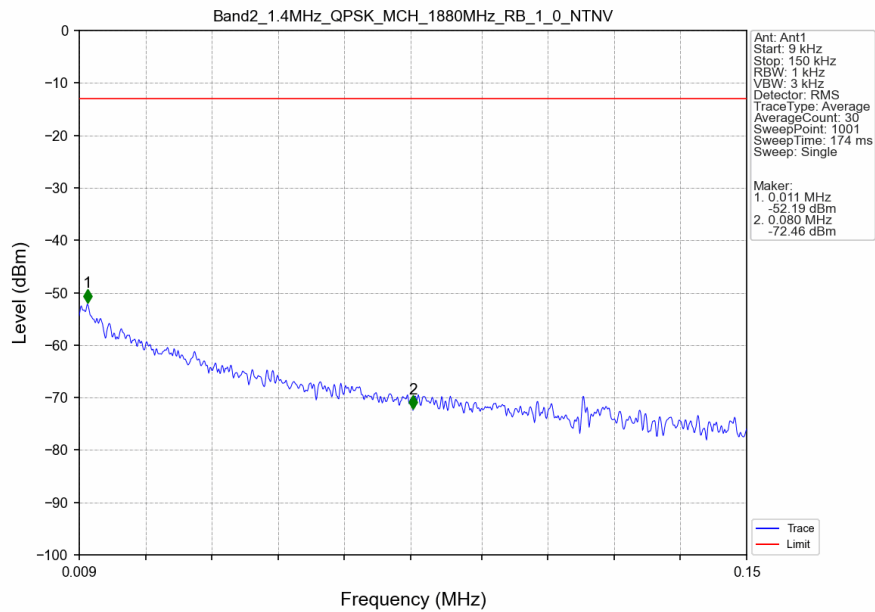


Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV

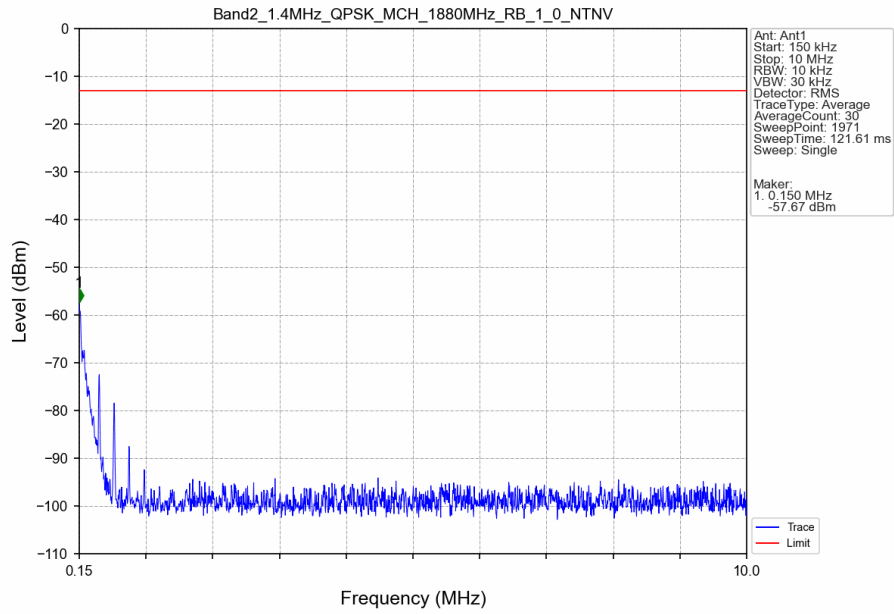


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.996	-48.99	-13	Pass
1849	1850	0.014	CHP	2	1849.998	-26.88	-13	Pass
1850	1851.5	0.014	CHP	/	/	/	/	/

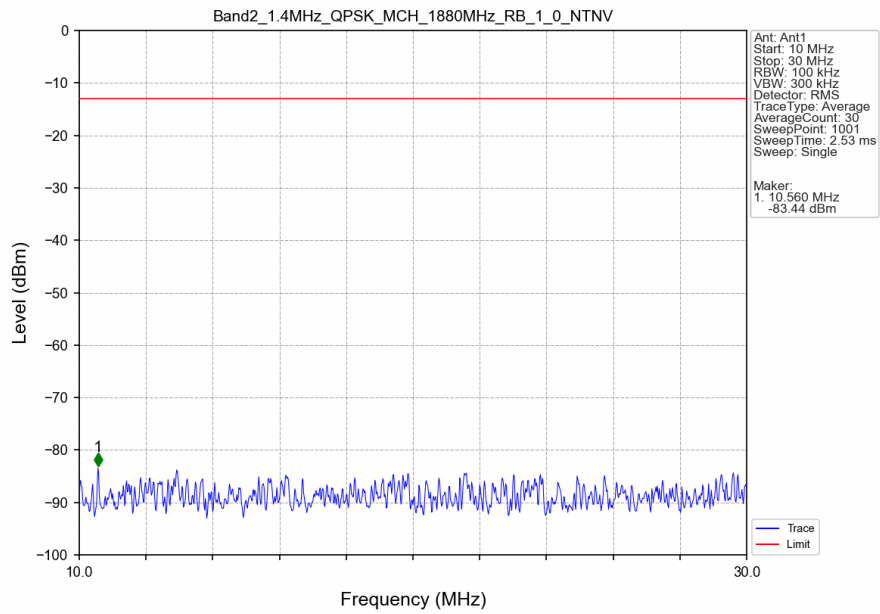
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



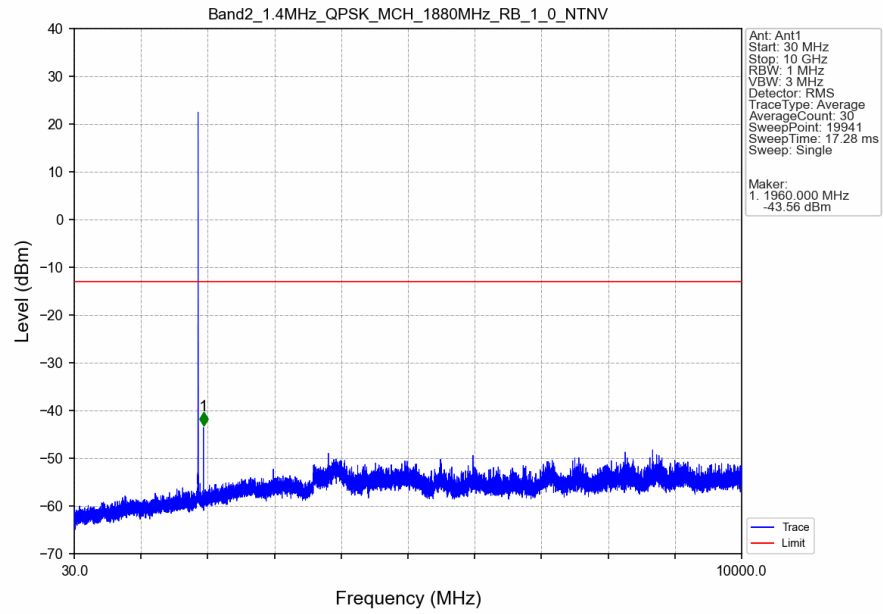
Band2 1.4MHz QPSK MCH 1880MHz RB 1 0 NTN



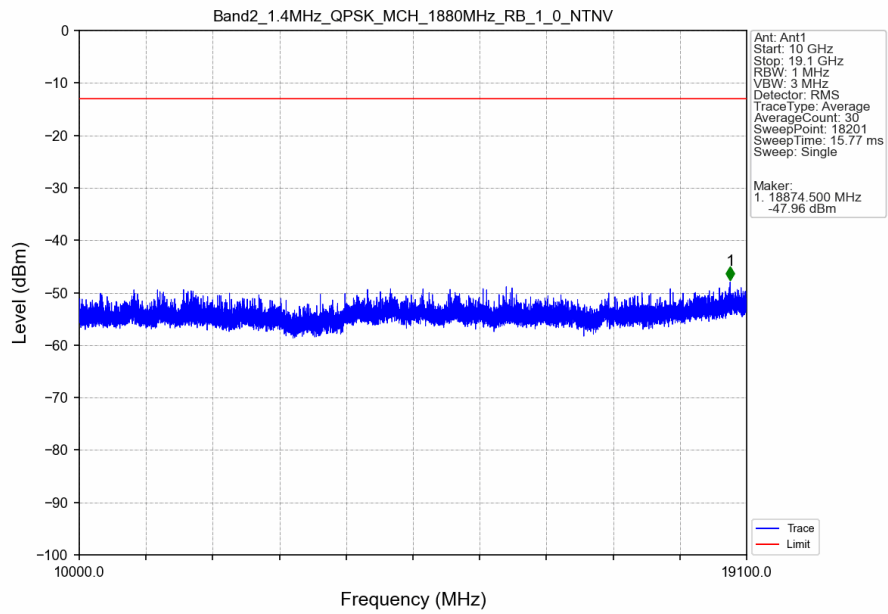
Band2 1.4MHz QPSK MCH 1880MHz RB 1 0 NTN



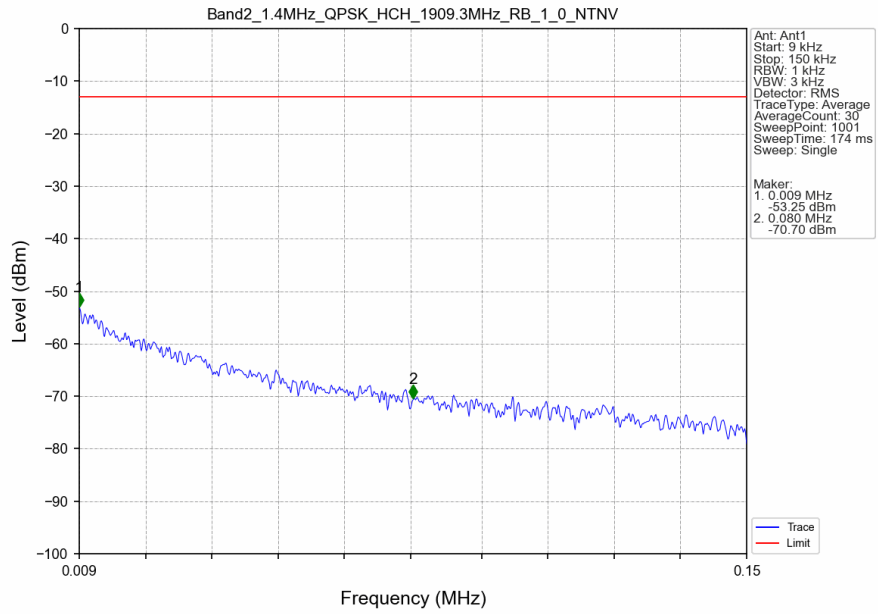
Band2 1.4MHz QPSK MCH 1880MHz RB 1 0 NTN



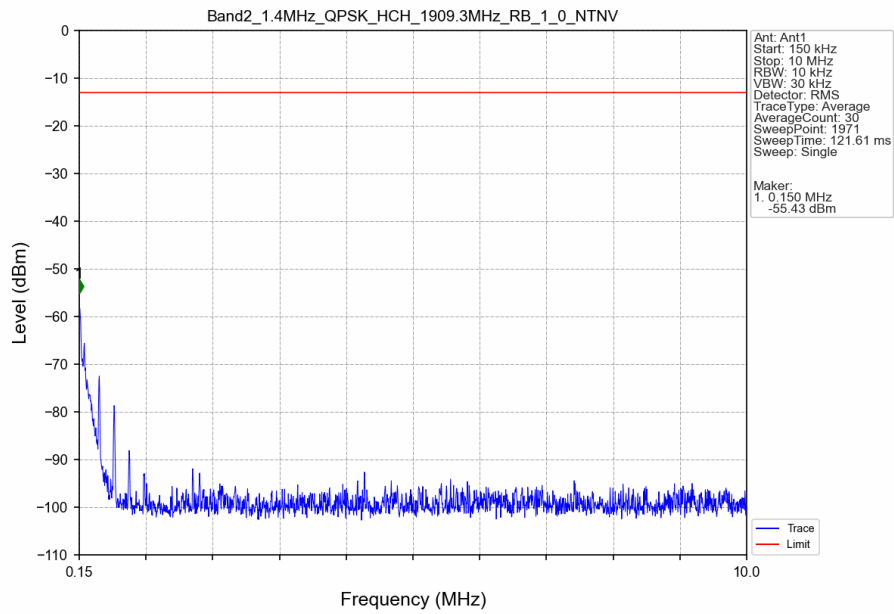
Band2 1.4MHz QPSK MCH 1880MHz RB 1 0 NTN



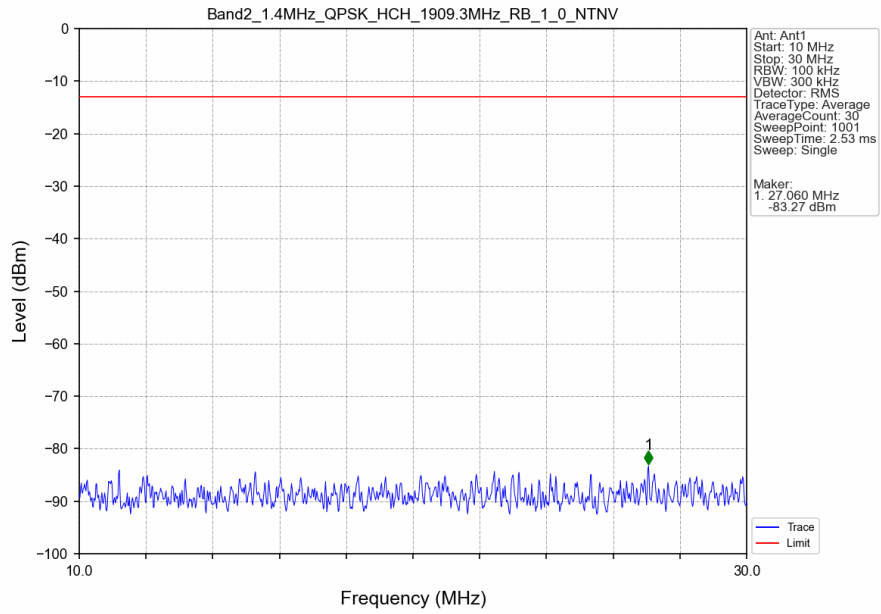
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



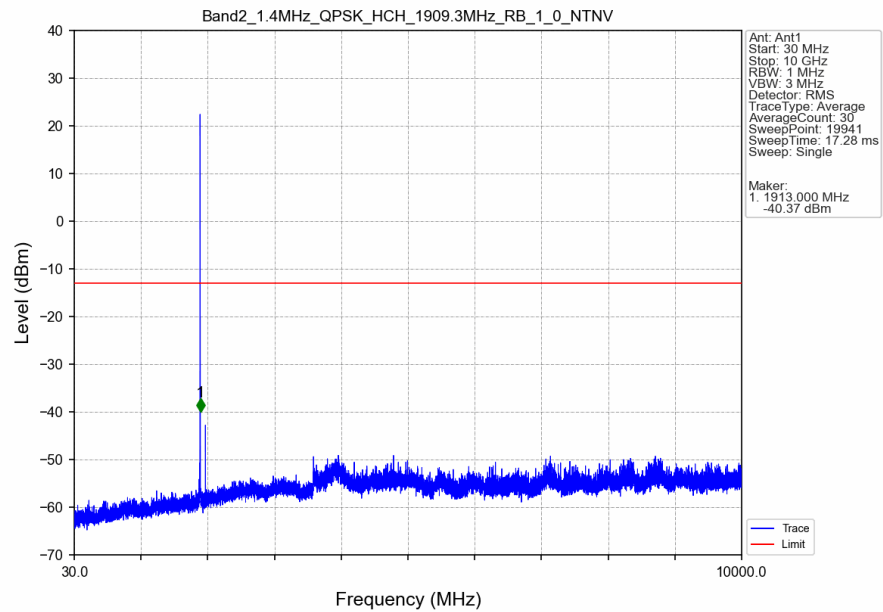
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



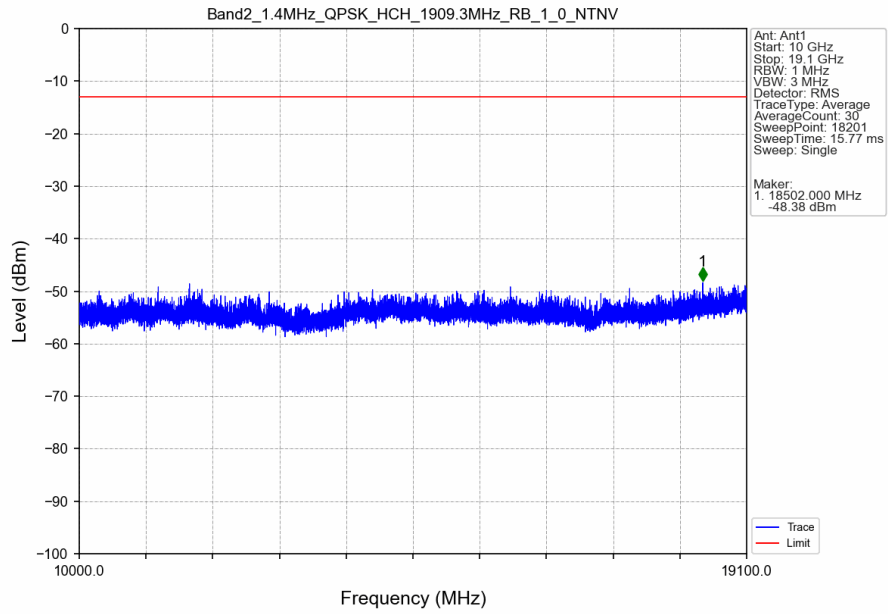
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



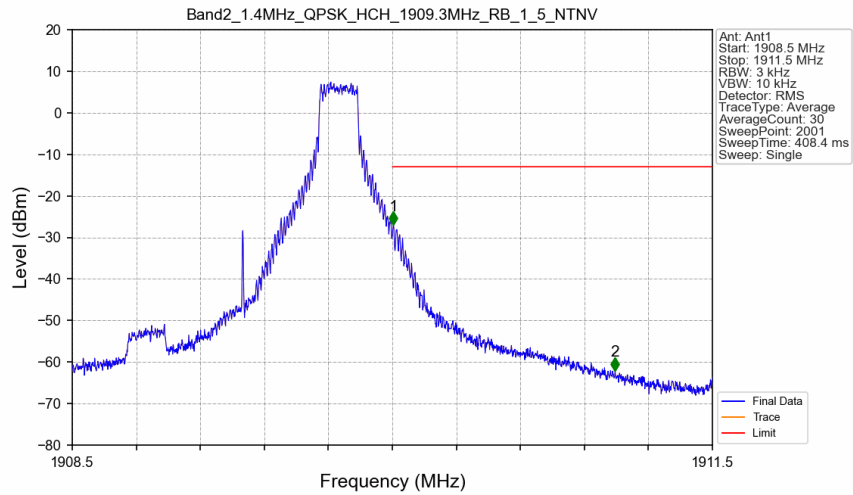
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV

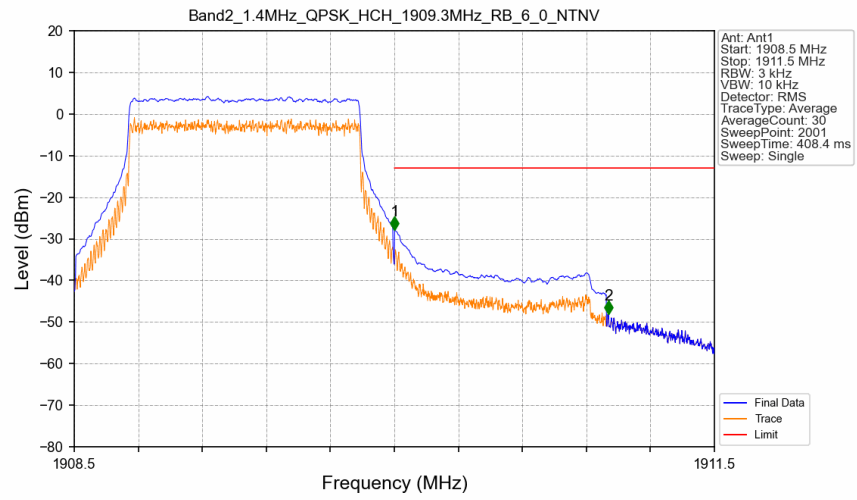


Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_5_NTNV



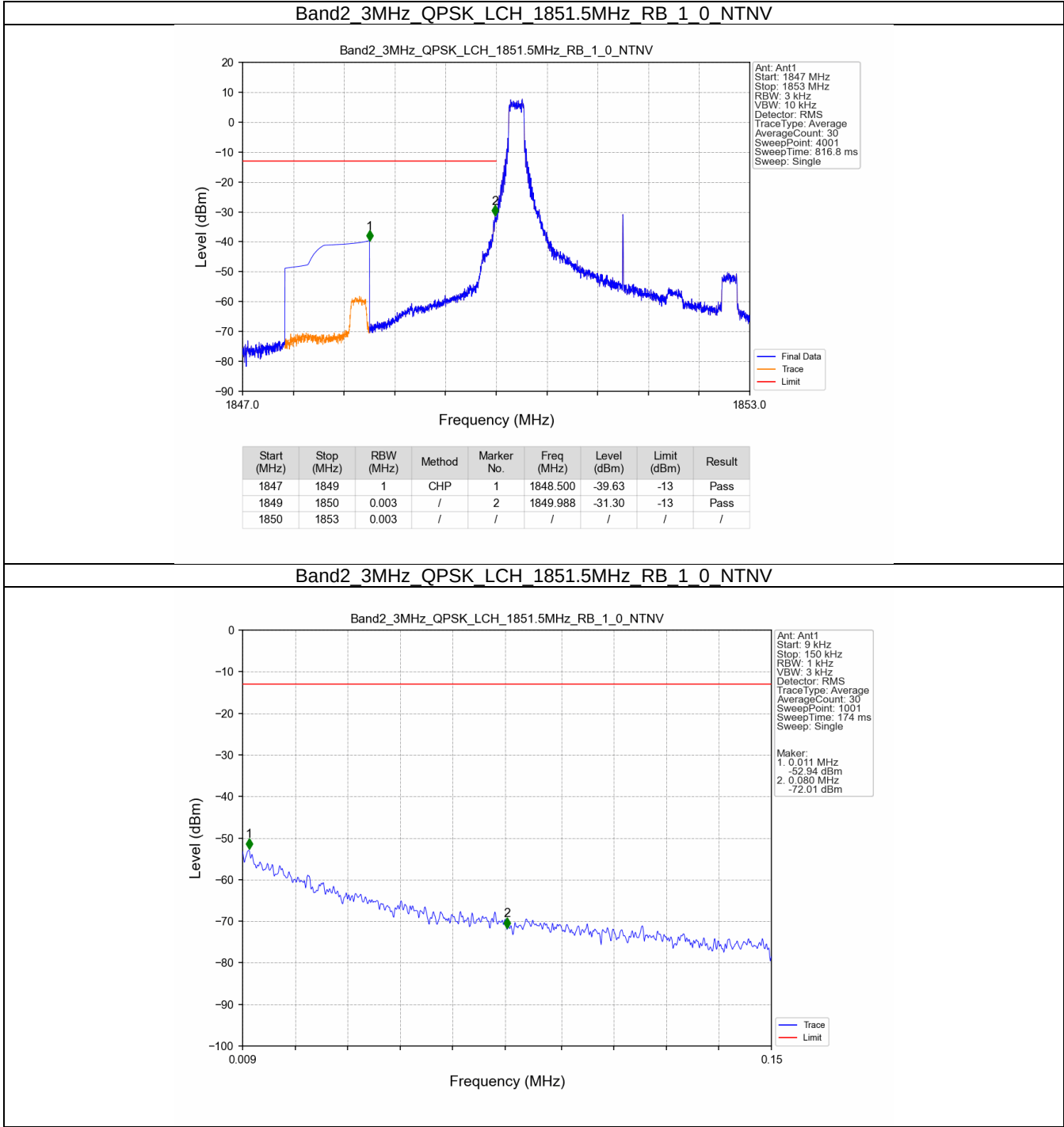
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1908.5	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.005	-26.96	-13	Pass
1911	1911.5	1	/	2	1911.044	-62.00	-13	Pass

Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTV

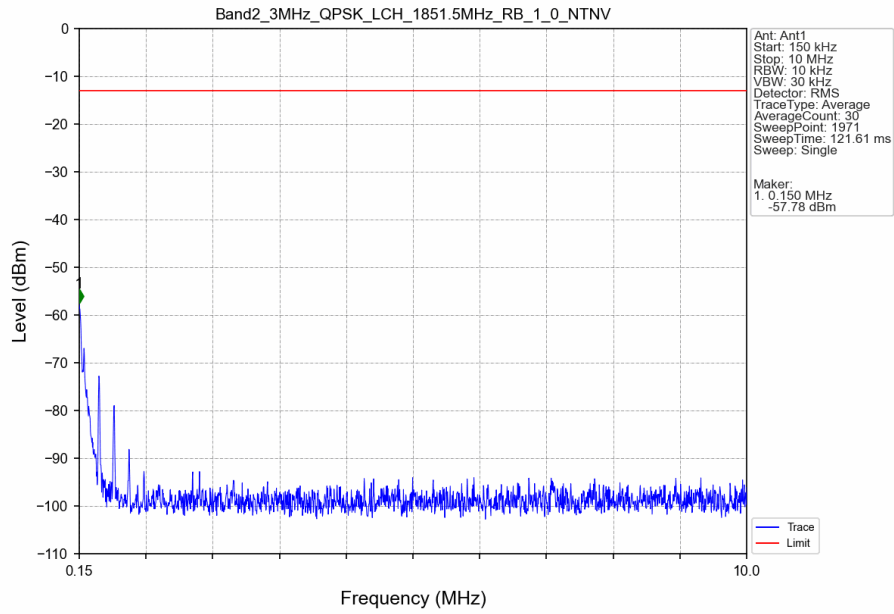


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1908.5	1910	0.014	CHP	/	/	/	/	/
1910	1911	0.014	CHP	1	1910.002	-27.86	-13	Pass
1911	1911.5	1	CHP	2	1911.004	-48.12	-13	Pass

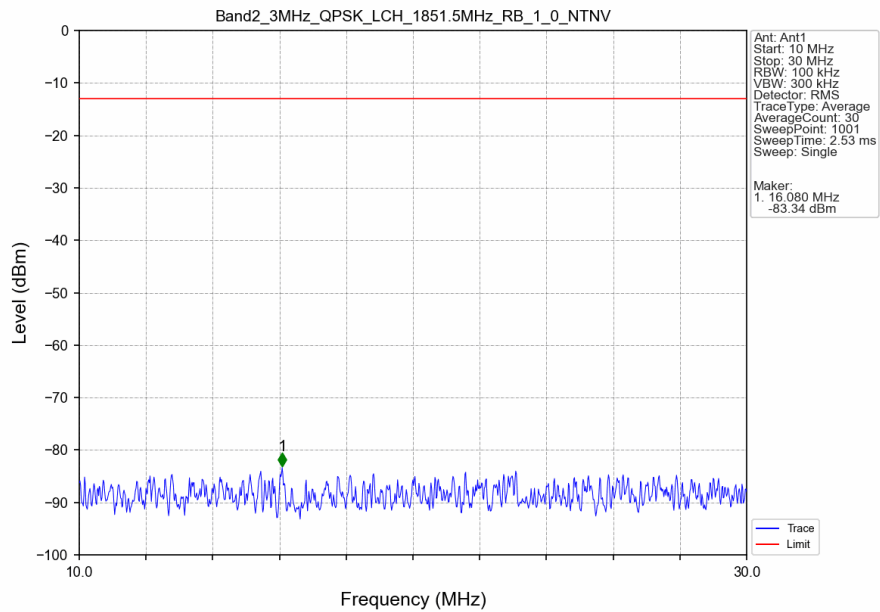
5.2.2 B2_3MHz



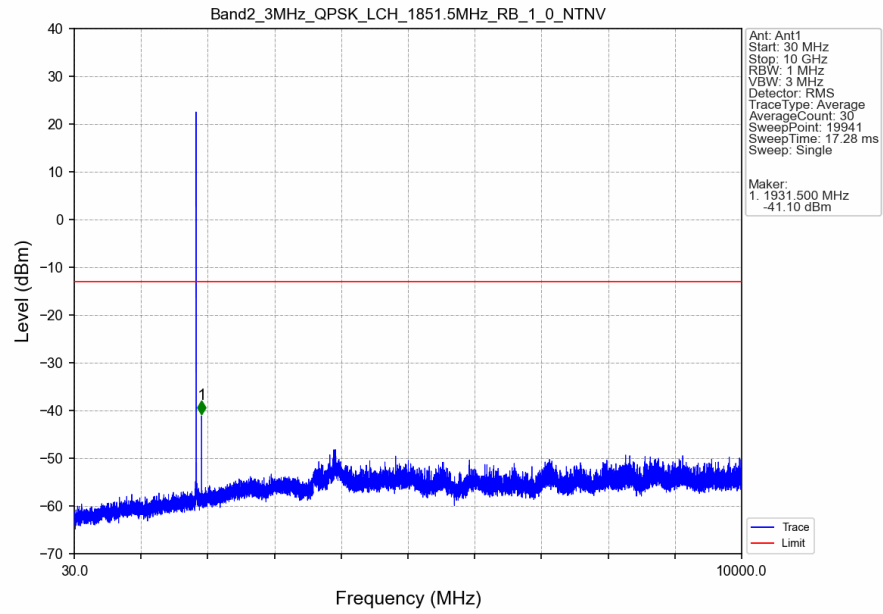
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



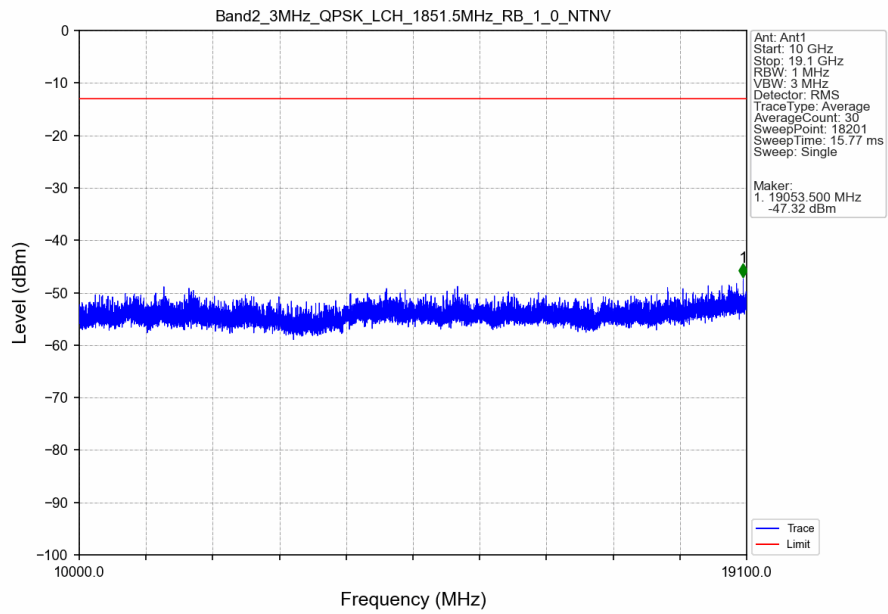
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



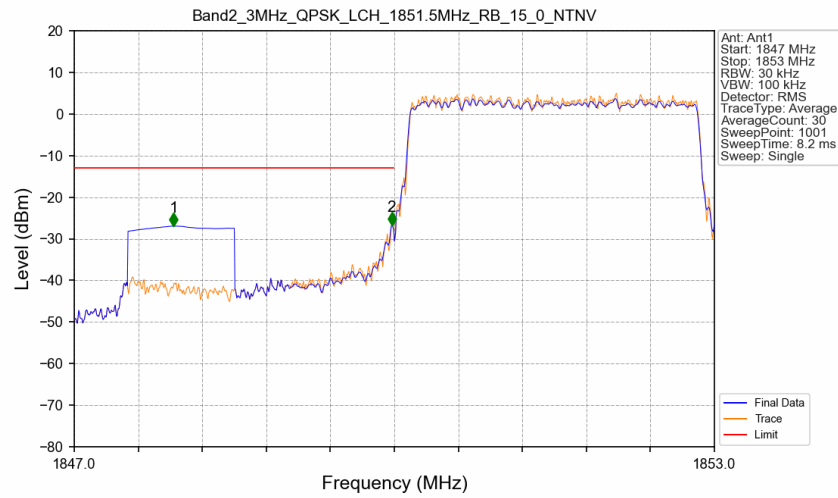
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV

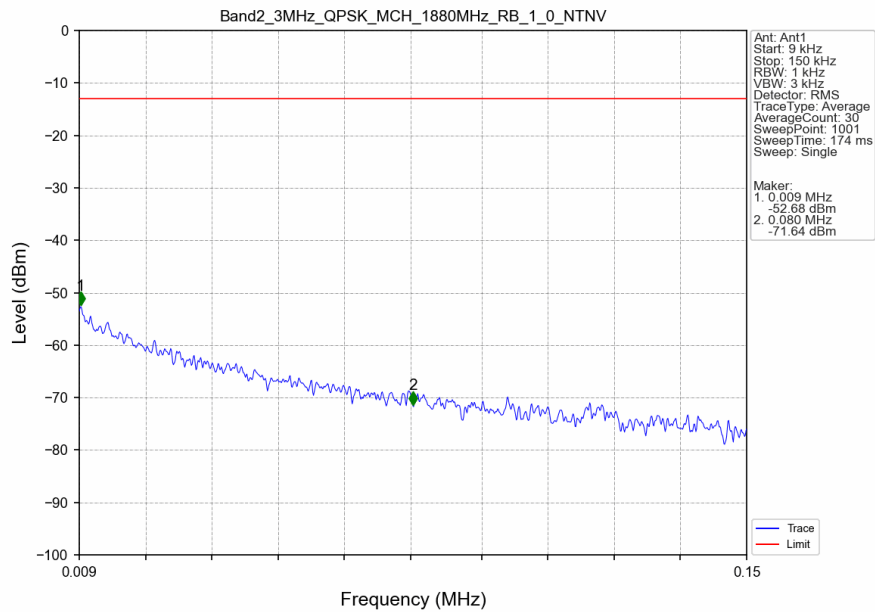


Band2 3MHz QPSK LCH 1851.5MHz RB 15_0_NTNV

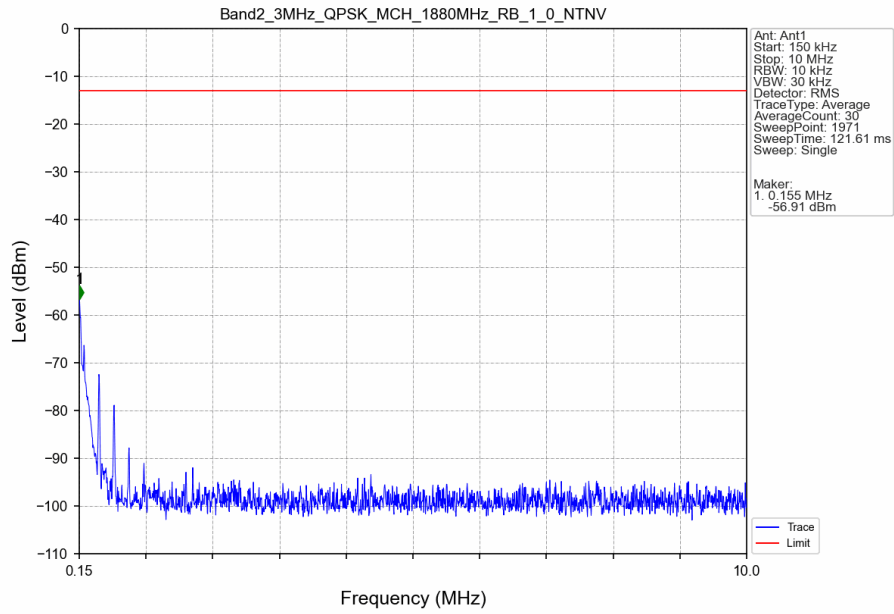


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1847.930	-26.94	-13	Pass
1849	1850	0.031	CHP	2	1849.976	-26.77	-13	Pass
1850	1853	0.031	CHP	/	/	/	/	/

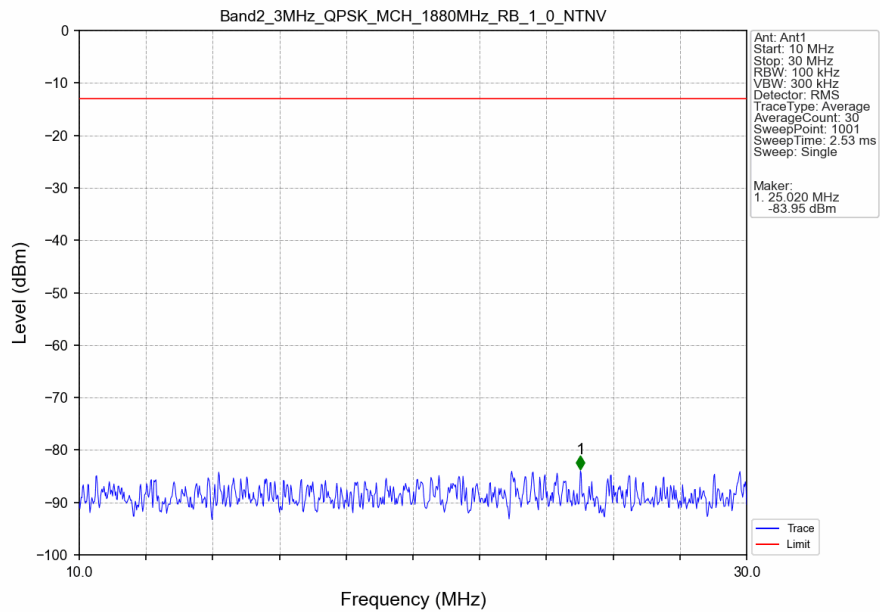
Band2 3MHz QPSK MCH 1880MHz RB 1_0_NTNV



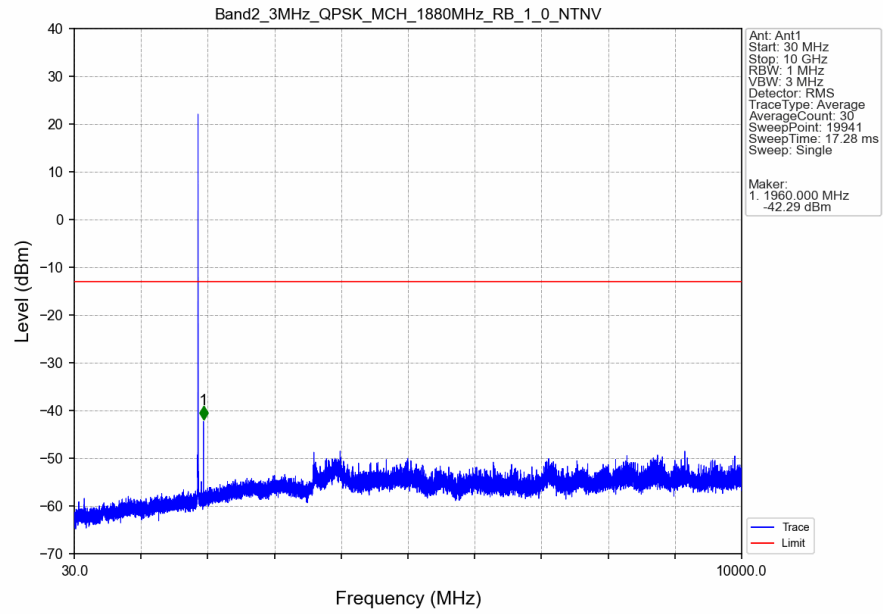
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



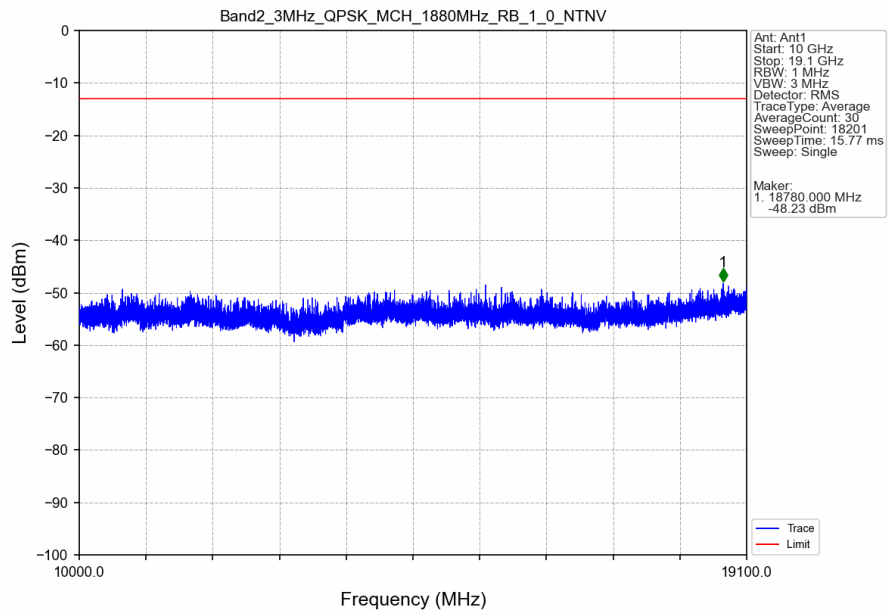
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



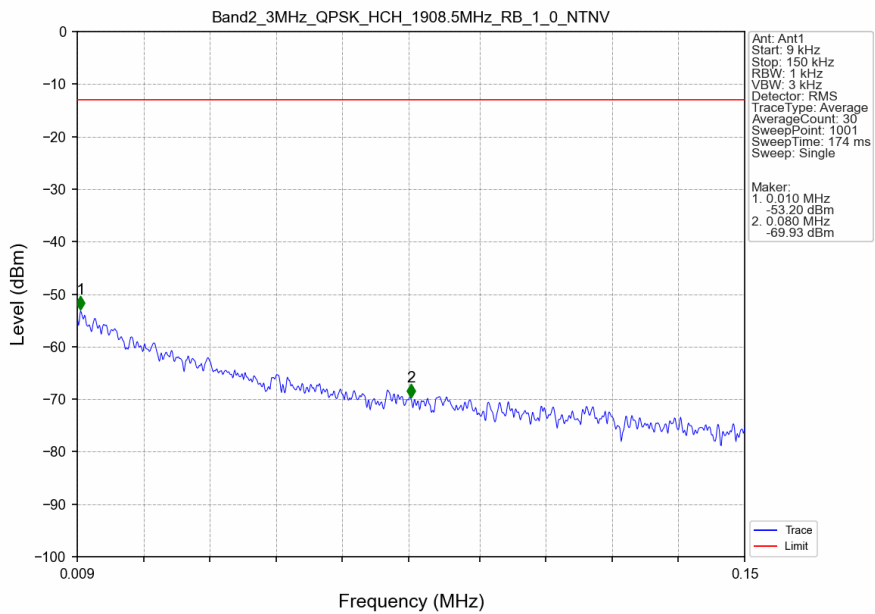
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



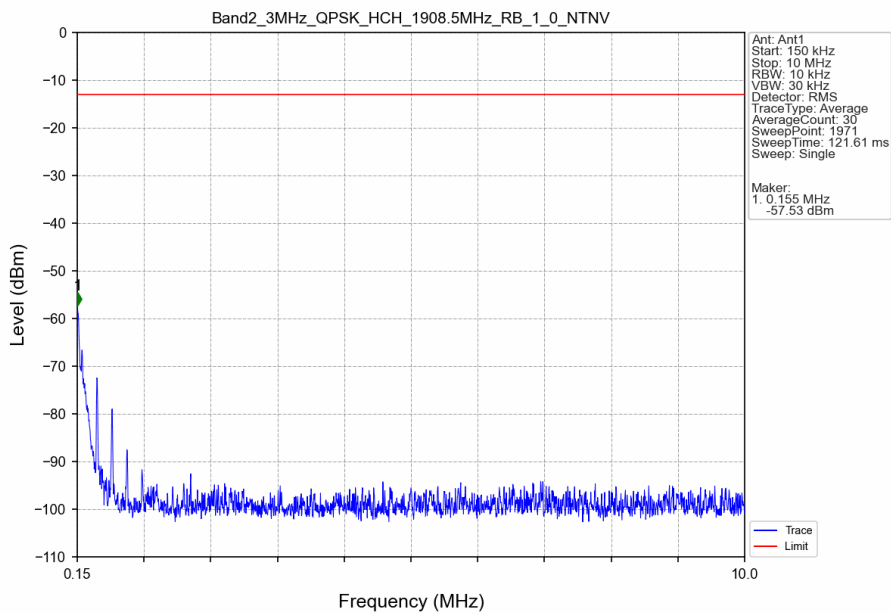
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



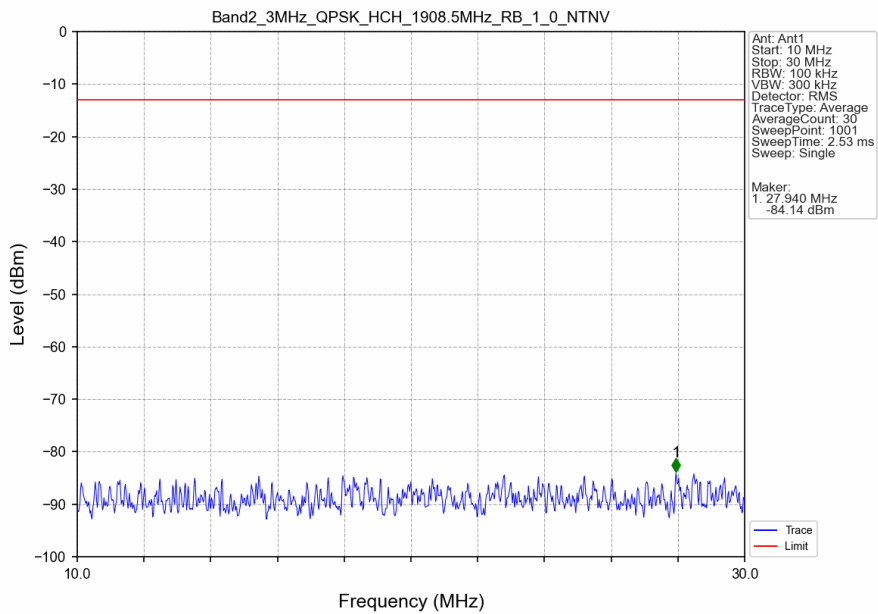
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV



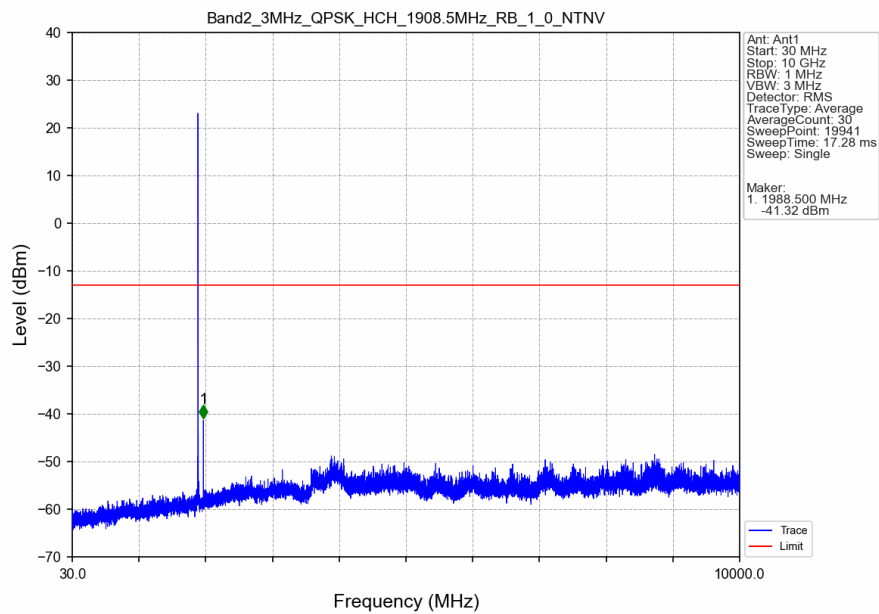
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV



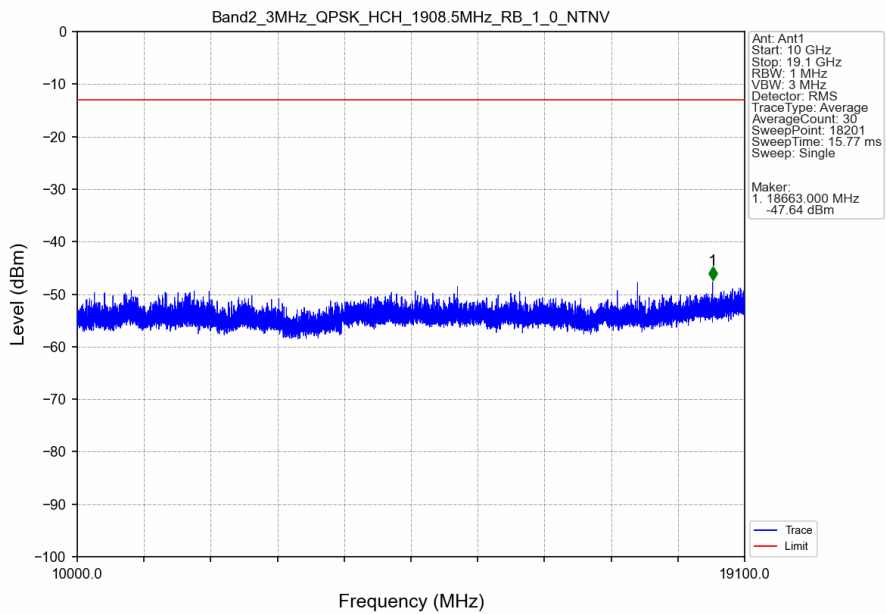
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV



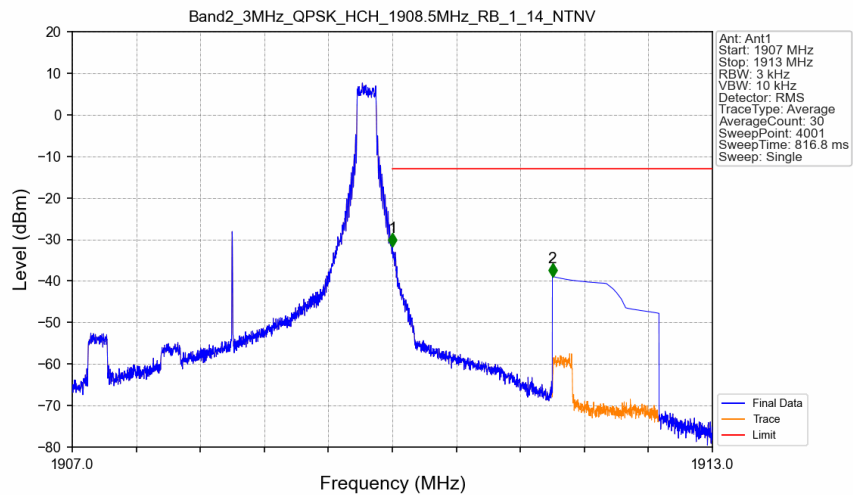
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV



Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV

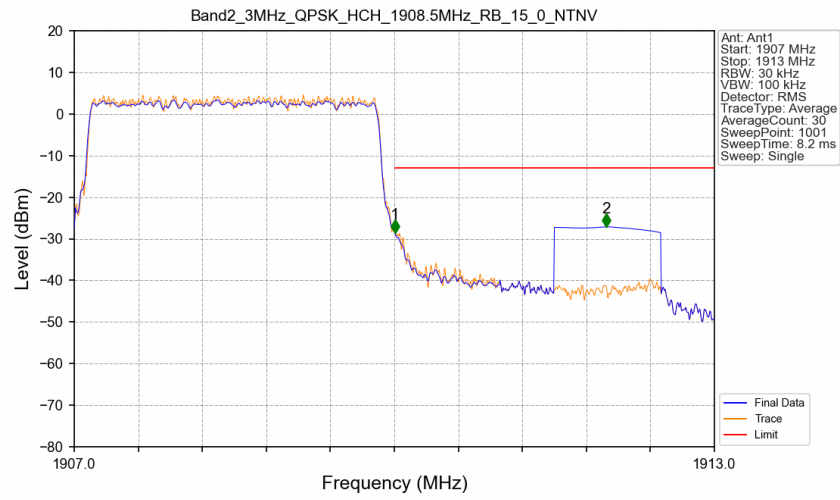


Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_14_NTNV



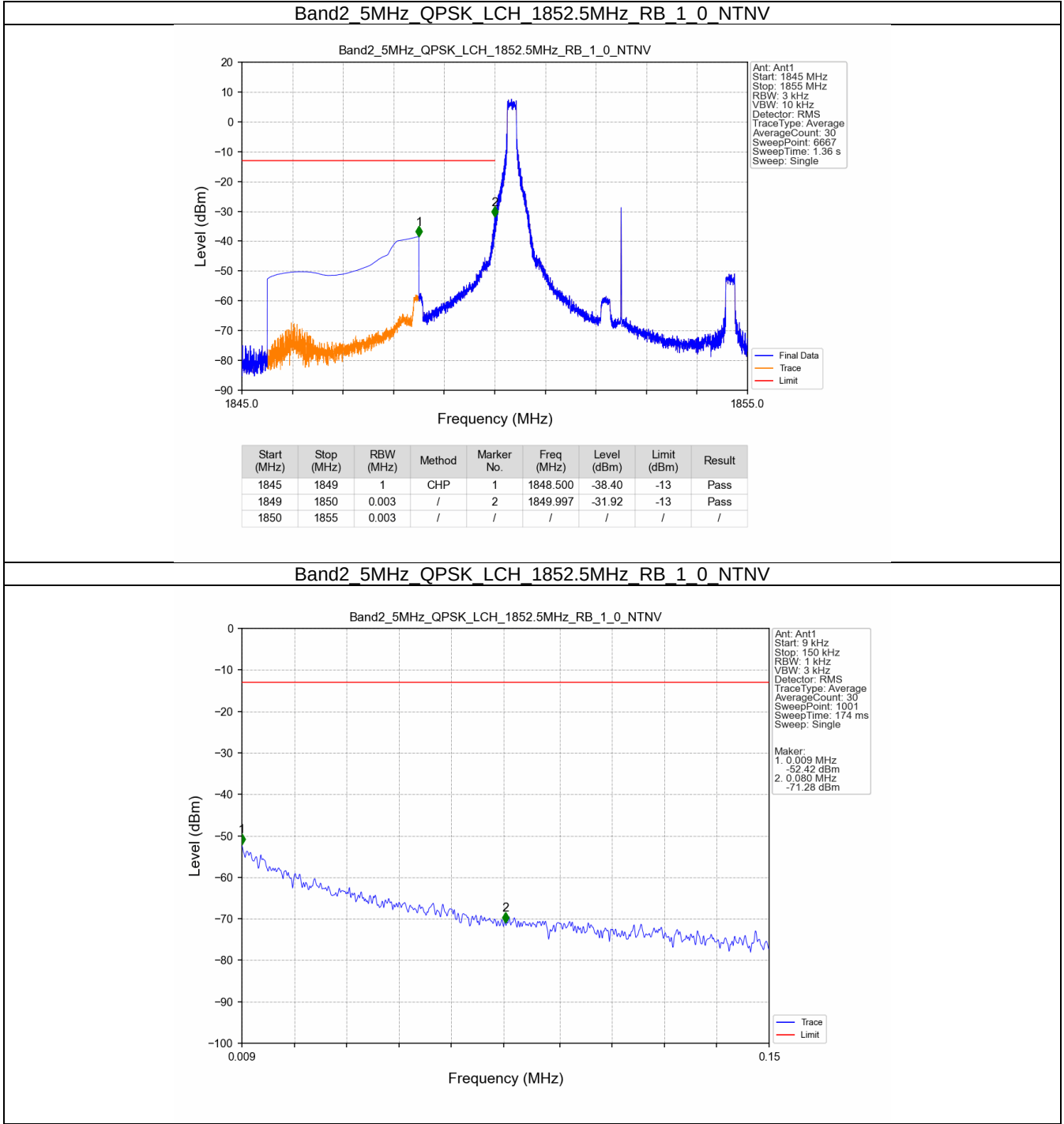
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.002	-31.75	-13	Pass
1911	1913	1	CHP	2	1911.500	-38.92	-13	Pass

Band2 3MHz QPSK HCH 1908.5MHz RB 15 0_NTNV

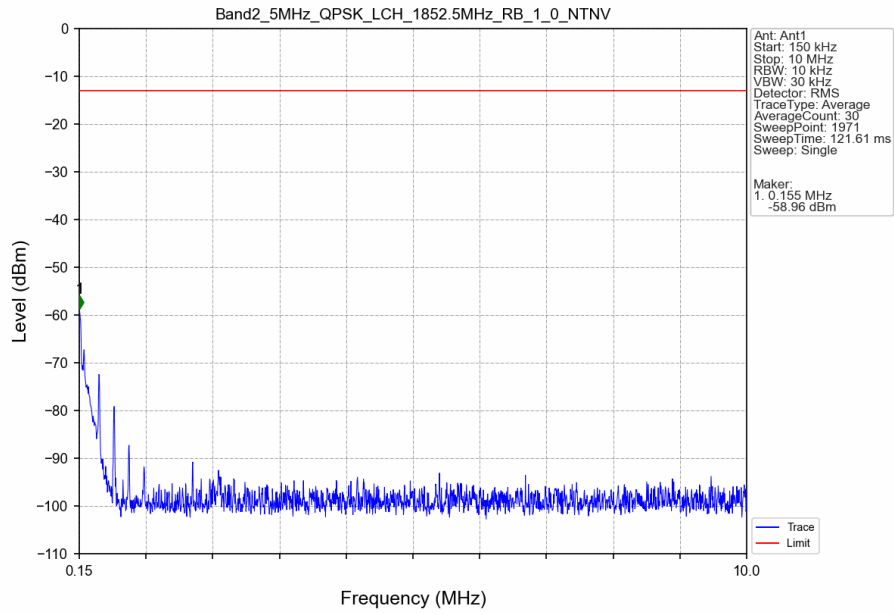


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.031	CHP	/	/	/	/	/
1910	1911	0.031	CHP	1	1910.006	-28.56	-13	Pass
1911	1913	1	CHP	2	1911.986	-27.15	-13	Pass

5.2.3 B2_5MHz



Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV

