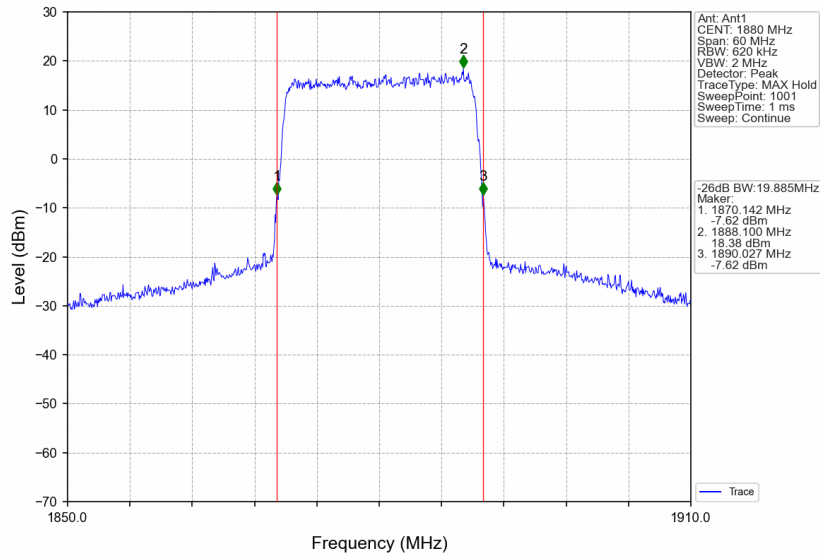
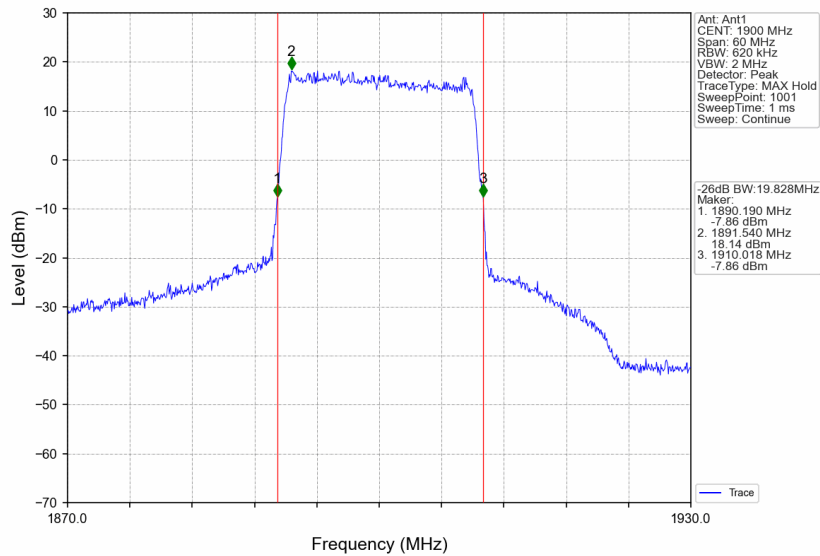


Band2_20MHz_256QAM_MCH_1880MHz_RB_100_0_NTNV



Band2_20MHz_256QAM_HCH_1900MHz_RB_100_0_NTNV



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4. Peak-Average Ratio

4.1 B2_1.4MHz

4.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	5.60	<=13	Pass
	1880	6	0	5.91	<=13	Pass
	1909.3	6	0	5.44	<=13	Pass
16QAM	1850.7	6	0	6.04	<=13	Pass
	1880	6	0	6.38	<=13	Pass
	1909.3	6	0	5.75	<=13	Pass
64QAM	1850.7	6	0	6.10	<=13	Pass
	1880	6	0	6.40	<=13	Pass
	1909.3	6	0	5.99	<=13	Pass
256QAM	1850.7	6	0	6.78	<=13	Pass
	1880	6	0	6.90	<=13	Pass
	1909.3	6	0	6.78	<=13	Pass



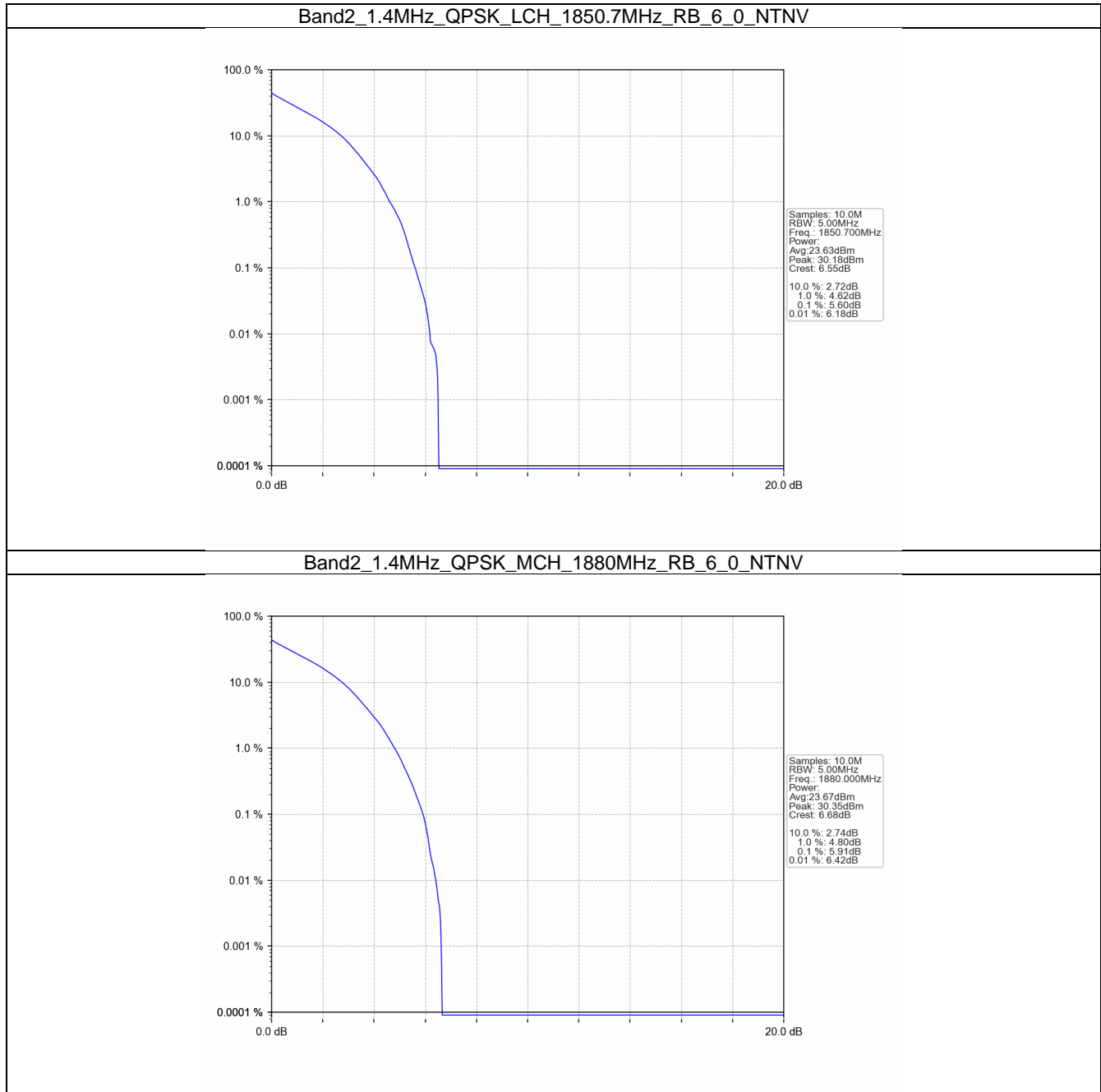
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4.1.2 Test Graph



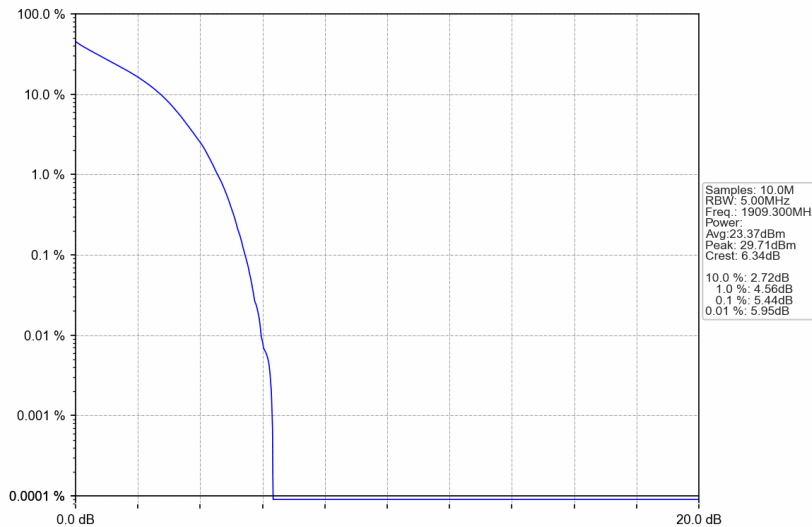
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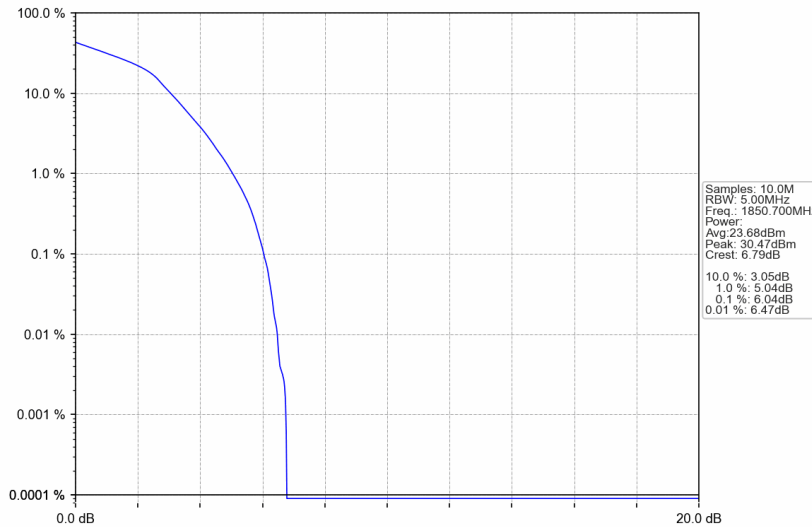
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



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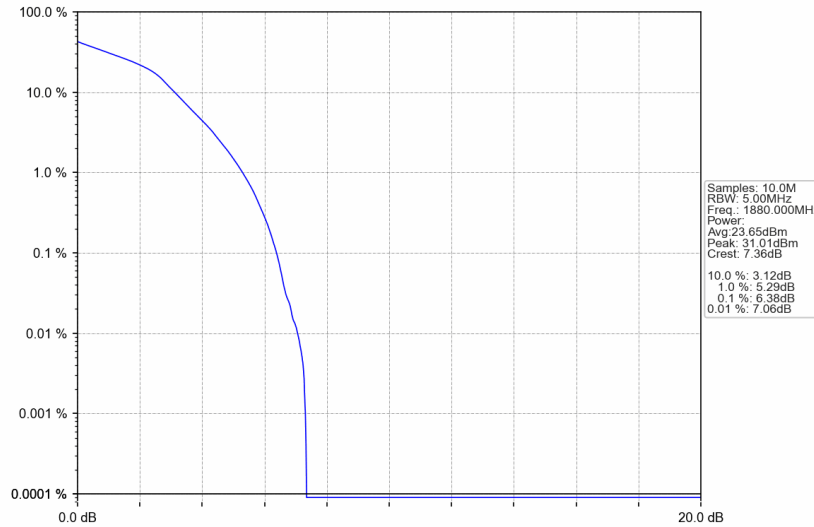
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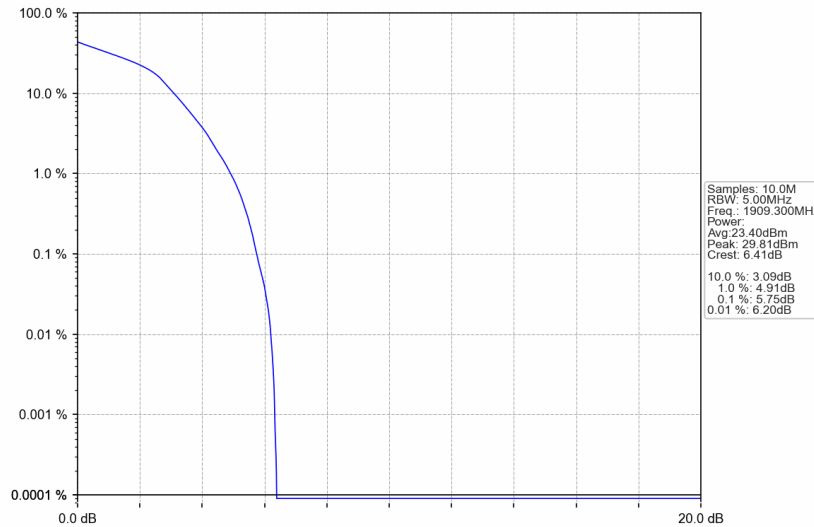
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Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



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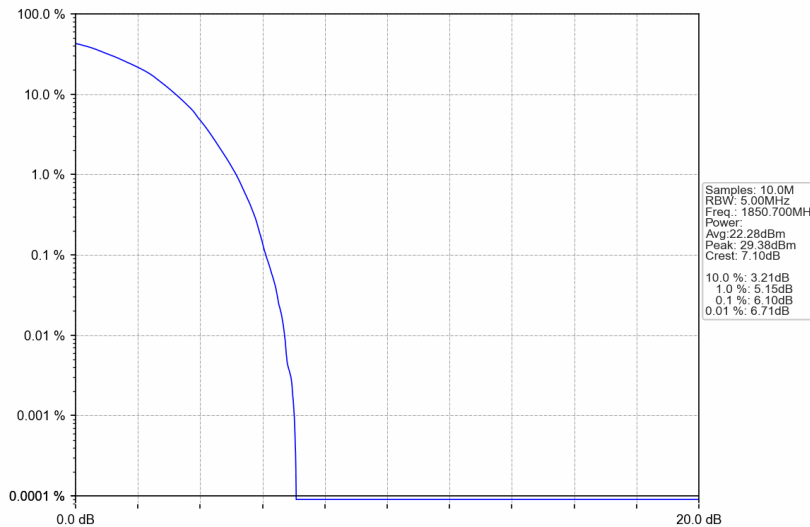
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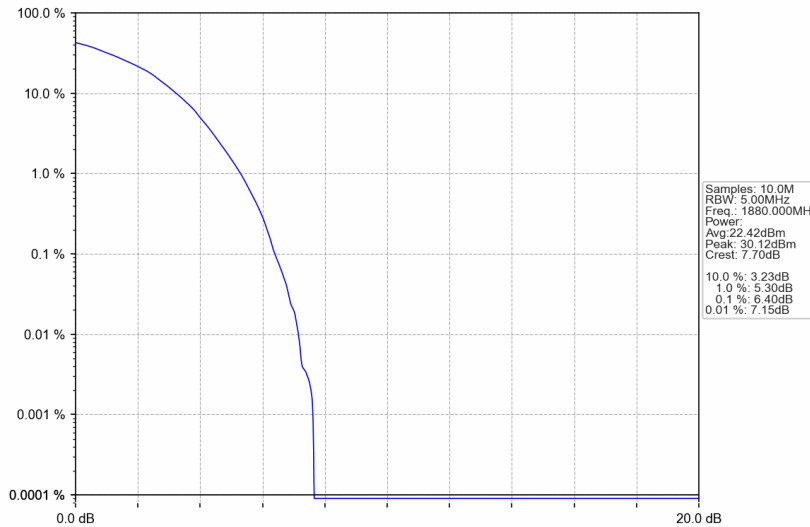
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Band2_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV



Band2_1.4MHz_64QAM_MCH_1880MHz_RB_6_0_NTNV



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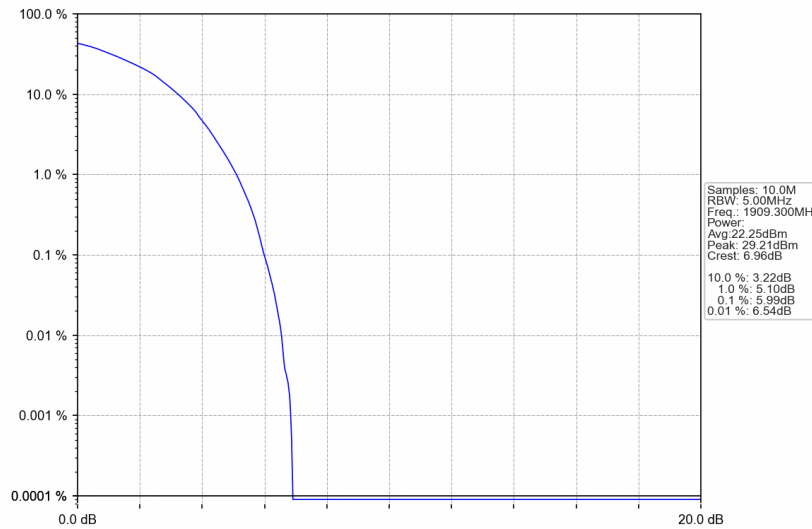
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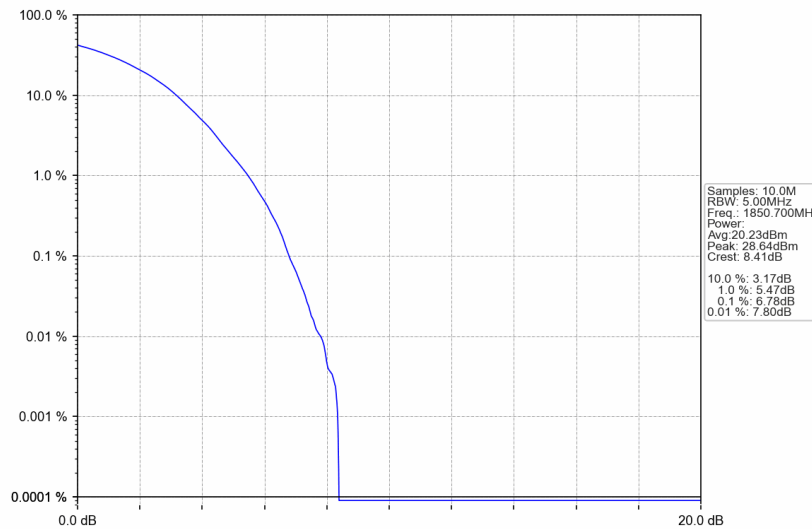
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Band2_1.4MHz_64QAM_HCH_1909.3MHz_RB_6_0_NTNV



Band2_1.4MHz_256QAM_LCH_1850.7MHz_RB_6_0_NTNV

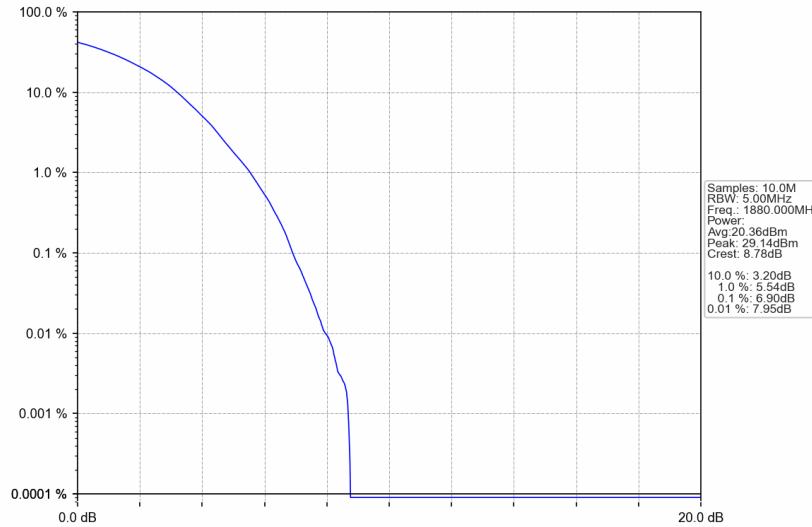


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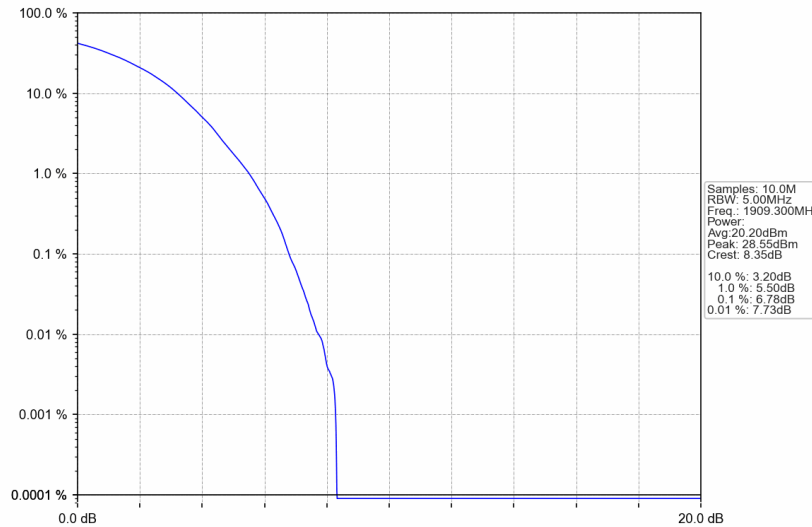
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Band2_1.4MHz_256QAM_MCH_1880MHz_RB_6_0_NTNV



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4.2 B2_3MHz

4.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	5.76	<=13	Pass
	1880	15	0	5.88	<=13	Pass
	1908.5	15	0	5.67	<=13	Pass
16QAM	1851.5	15	0	6.22	<=13	Pass
	1880	15	0	6.51	<=13	Pass
	1908.5	15	0	6.15	<=13	Pass
64QAM	1851.5	15	0	6.41	<=13	Pass
	1880	15	0	6.69	<=13	Pass
	1908.5	15	0	6.42	<=13	Pass
256QAM	1851.5	15	0	6.86	<=13	Pass
	1880	15	0	7.00	<=13	Pass
	1908.5	15	0	6.93	<=13	Pass



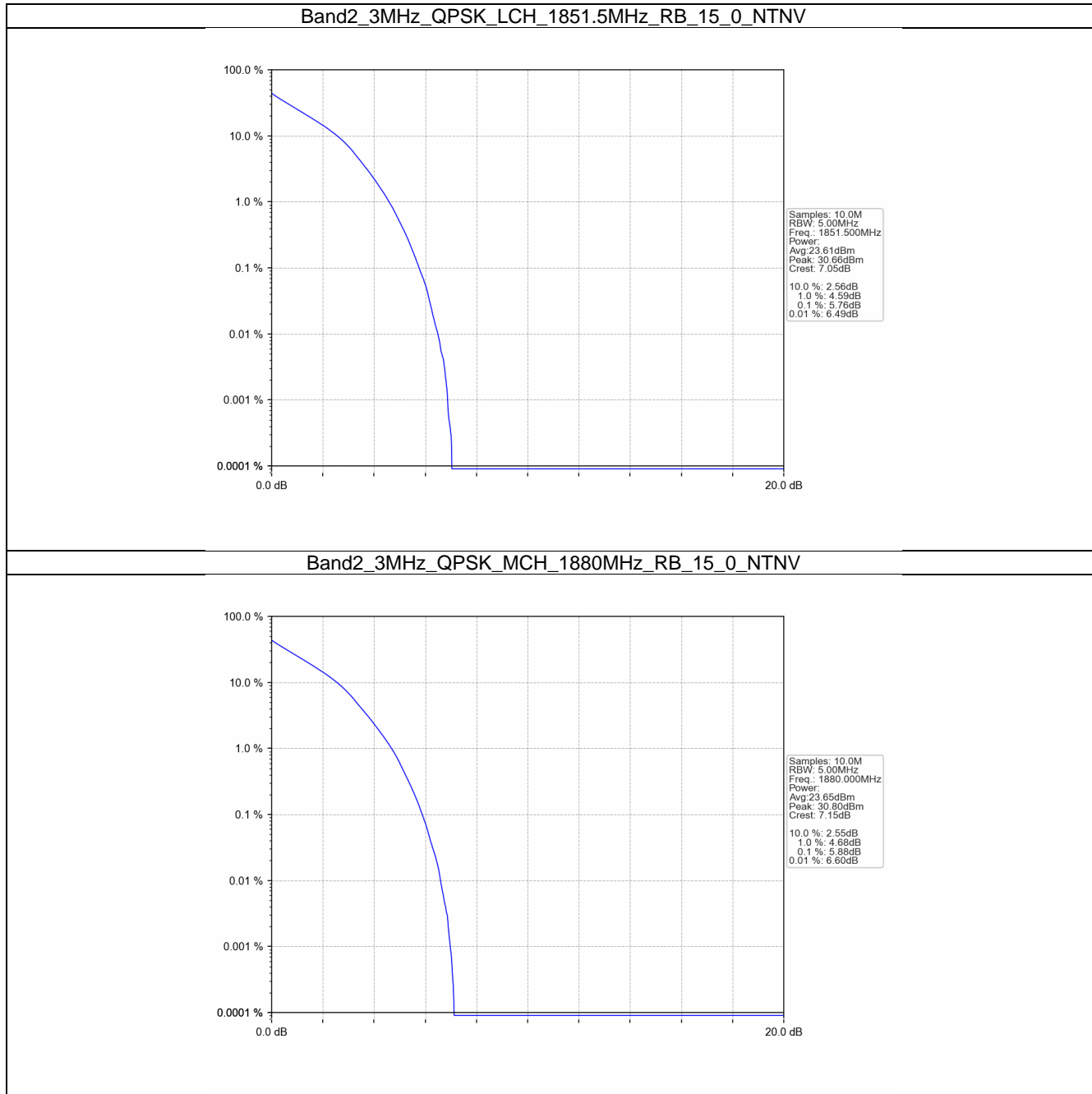
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4.2.2 Test Graph

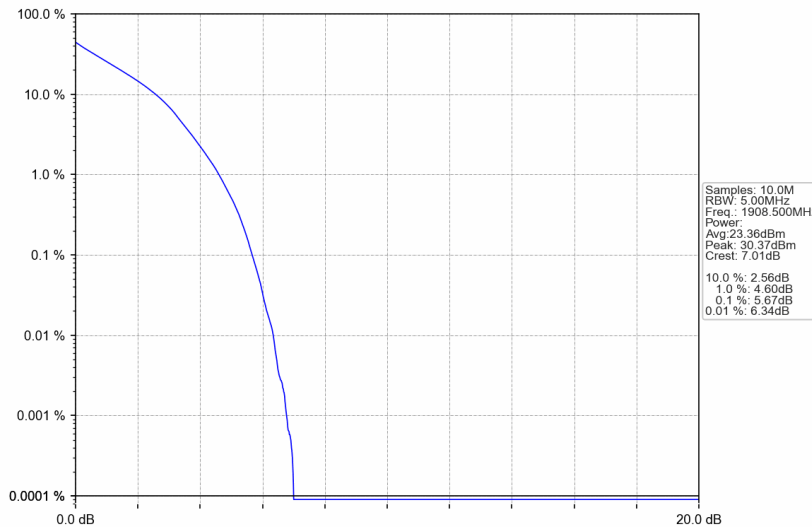


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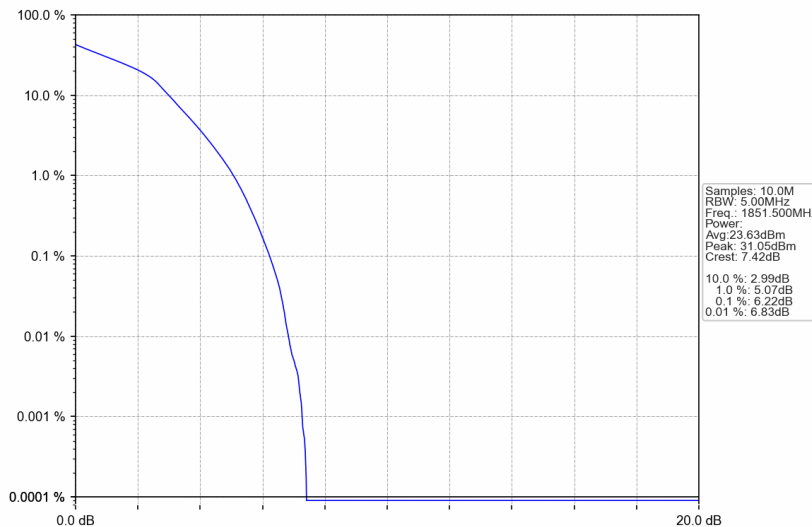
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Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



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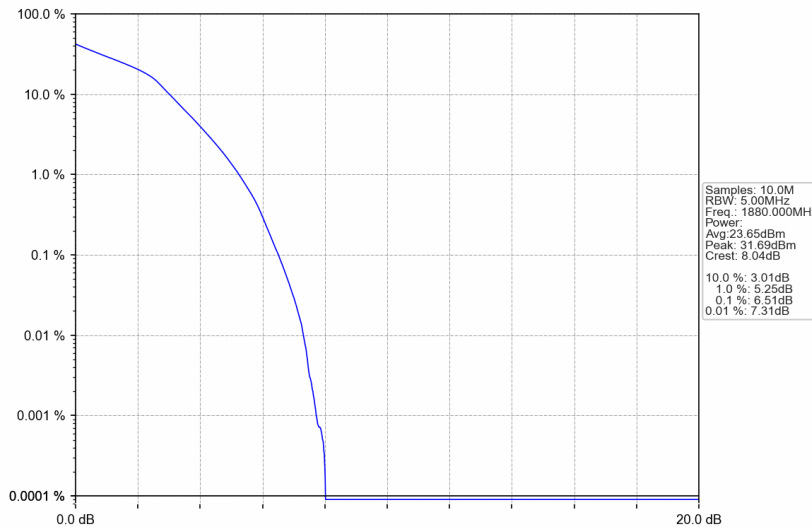
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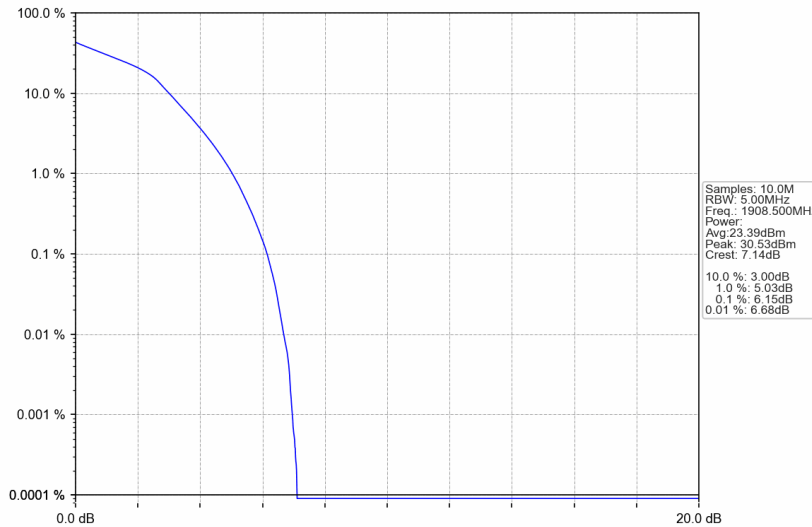
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Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV

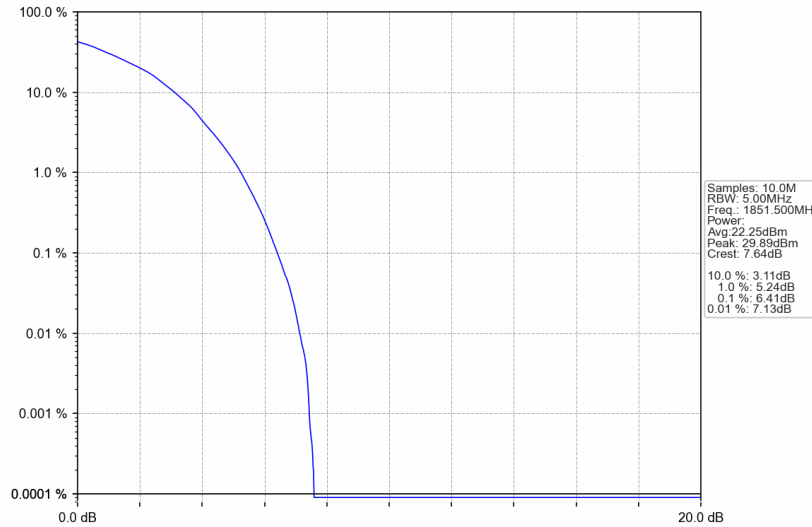


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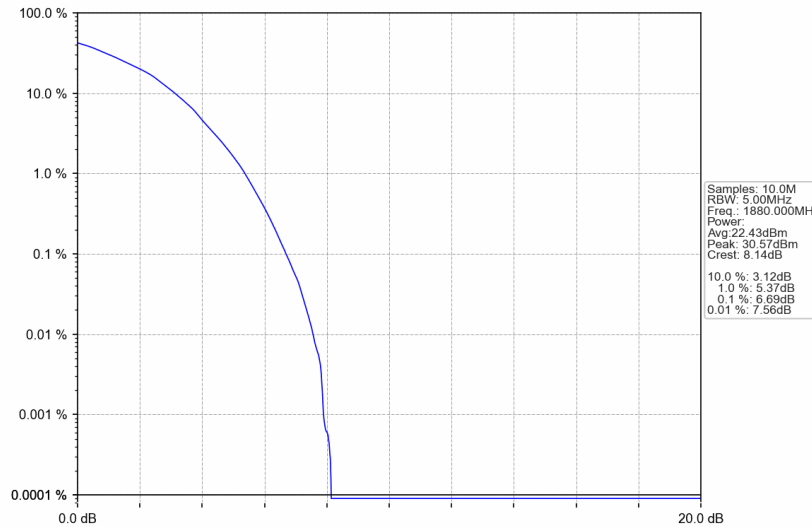
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Band2_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



Band2_3MHz_64QAM_MCH_1880MHz_RB_15_0_NTNV



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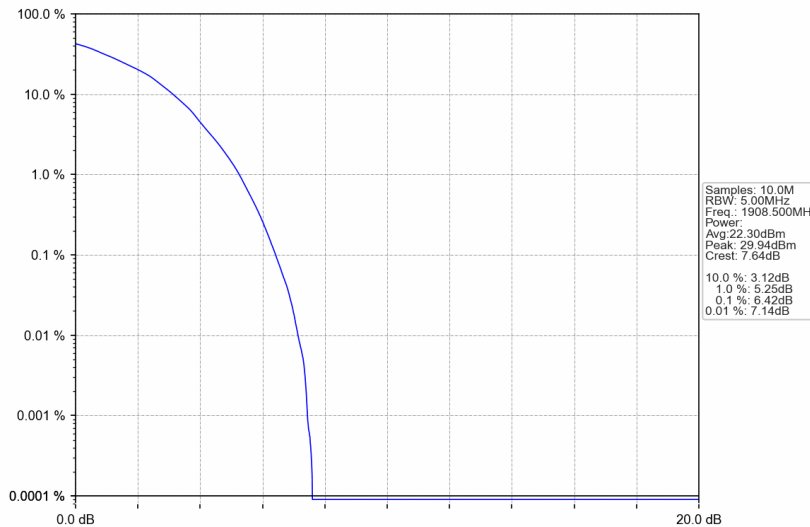
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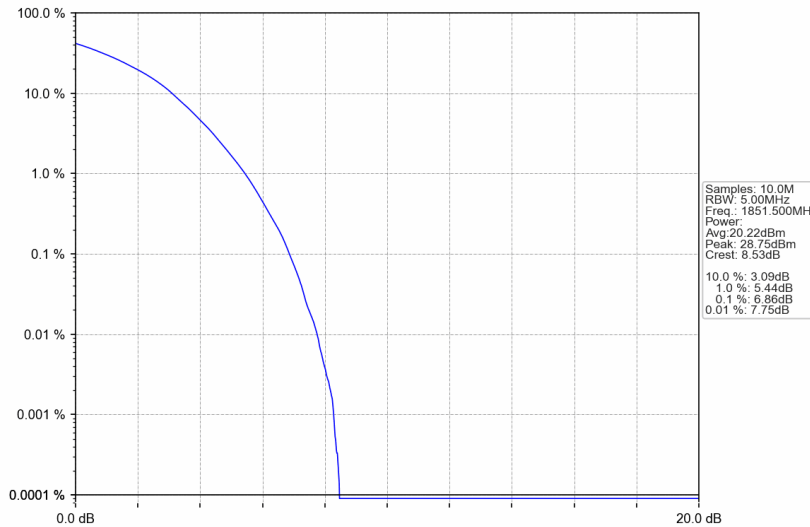
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Band2_3MHz_64QAM_HCH_1908.5MHz_RB_15_0_NTNV



Band2_3MHz_256QAM_LCH_1851.5MHz_RB_15_0_NTNV



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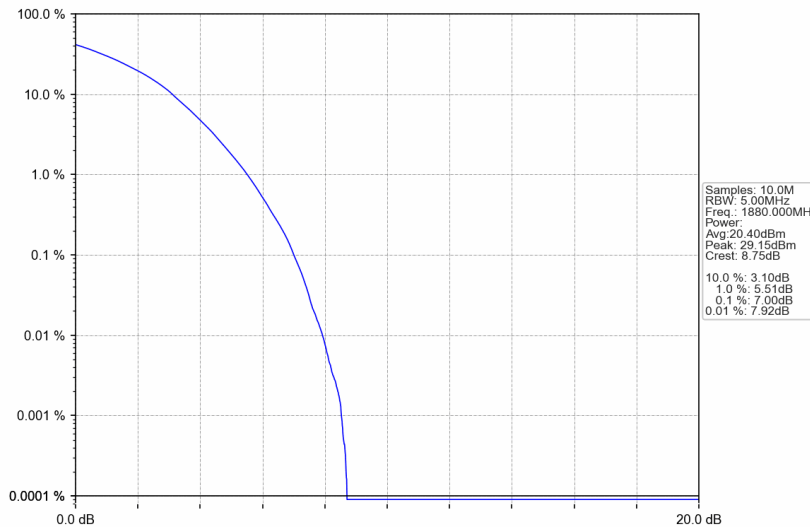
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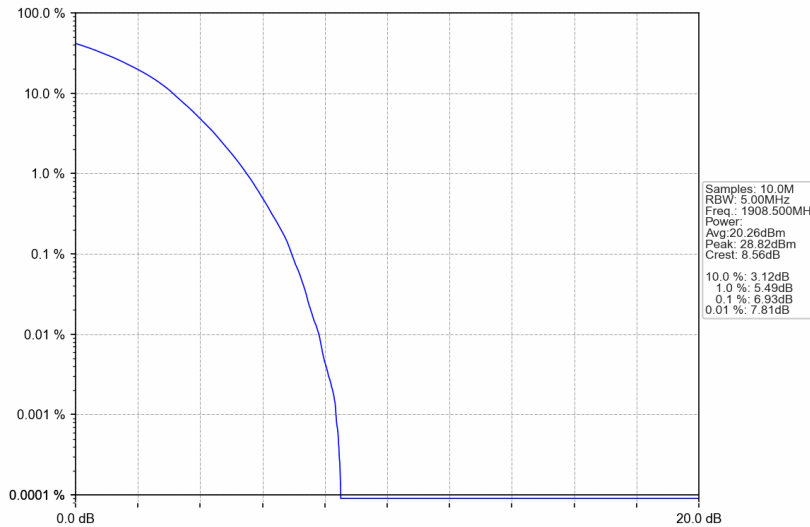
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Band2_3MHz_256QAM_MCH_1880MHz_RB_15_0_NTNV



Band2_3MHz_256QAM_HCH_1908.5MHz_RB_15_0_NTNV



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4.3 B2_5MHz

4.3.1 Test Result

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.75	<=13	Pass
	1880	25	0	5.89	<=13	Pass
	1907.5	25	0	5.69	<=13	Pass
16QAM	1852.5	25	0	6.23	<=13	Pass
	1880	25	0	6.44	<=13	Pass
	1907.5	25	0	6.24	<=13	Pass
64QAM	1852.5	25	0	6.48	<=13	Pass
	1880	25	0	6.67	<=13	Pass
	1907.5	25	0	6.52	<=13	Pass
256QAM	1852.5	25	0	6.93	<=13	Pass
	1880	25	0	7.02	<=13	Pass
	1907.5	25	0	6.98	<=13	Pass

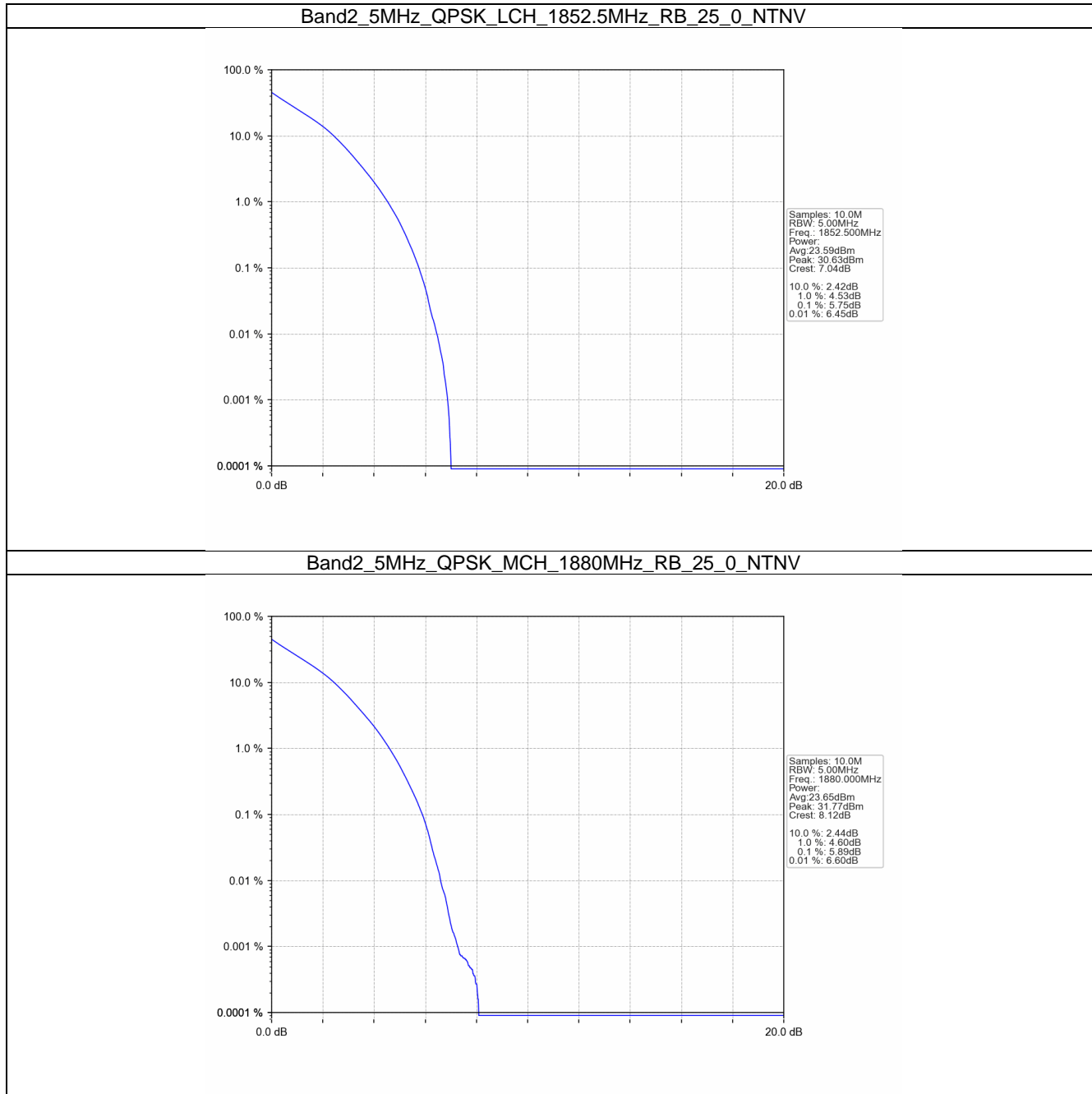


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4.3.2 Test Graph

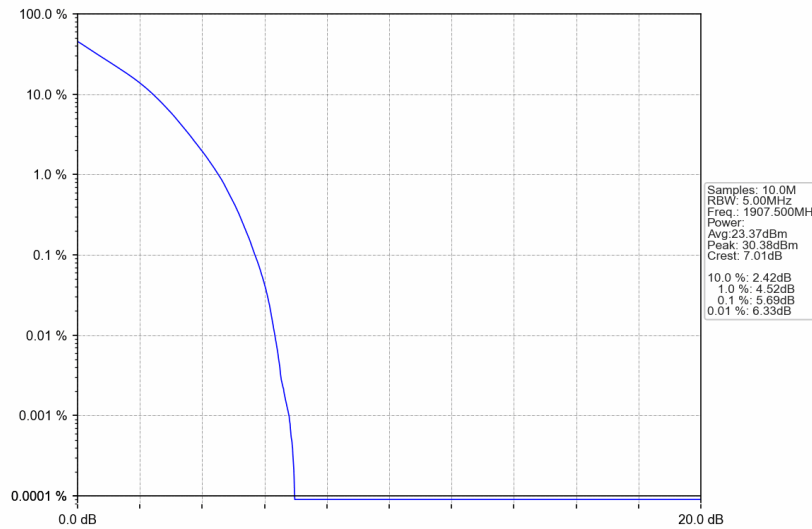


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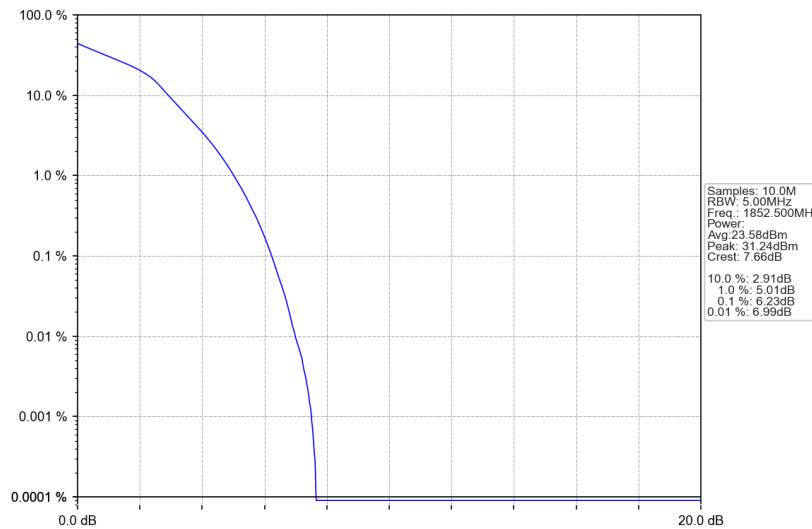
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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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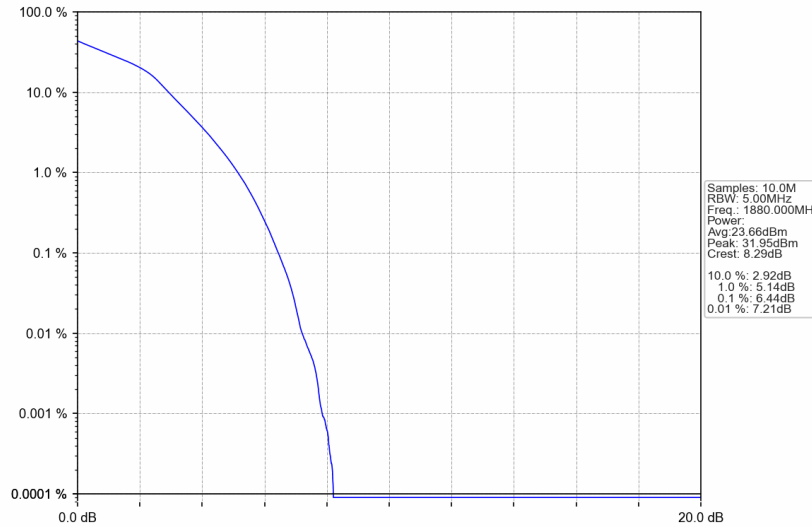
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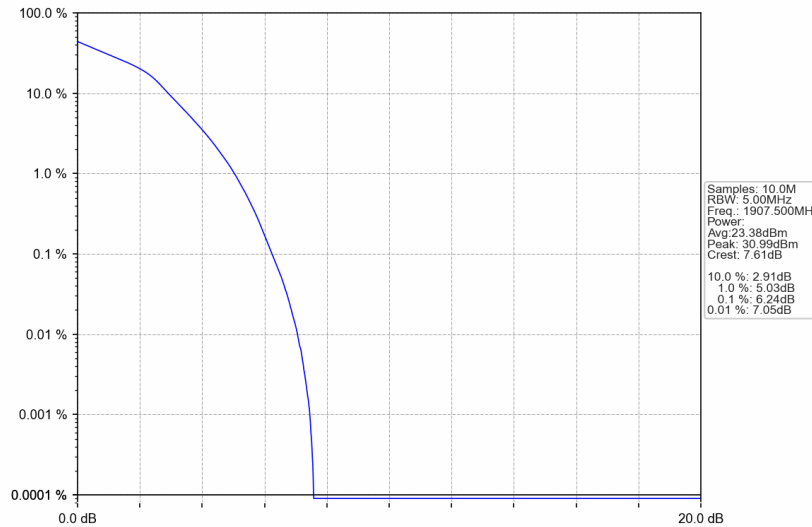
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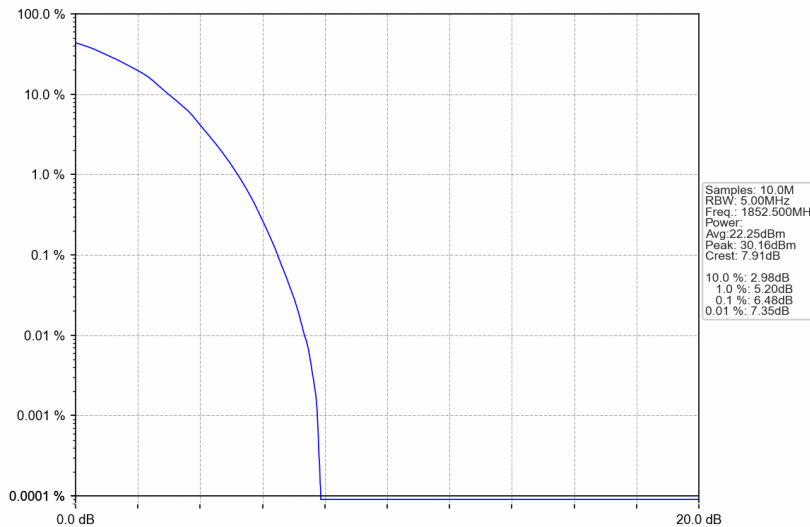
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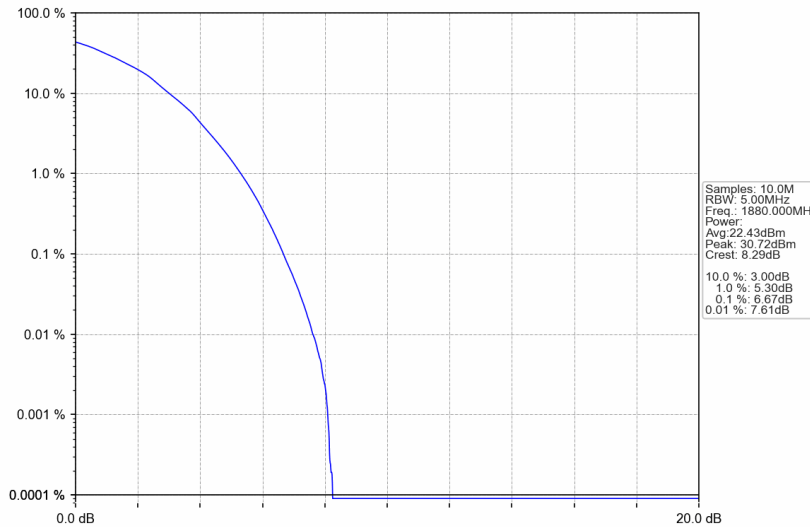
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Band2_5MHz_64QAM_LCH_1852.5MHz_RB_25_0_NTNV



Band2_5MHz_64QAM_MCH_1880MHz_RB_25_0_NTNV



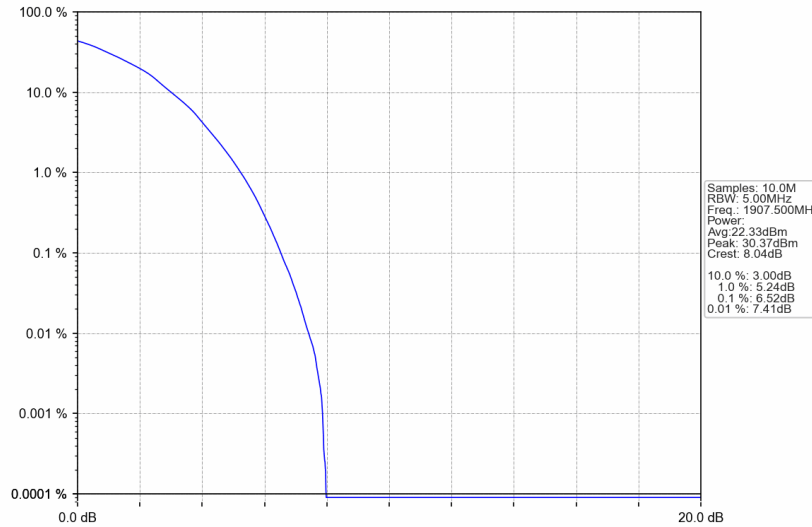
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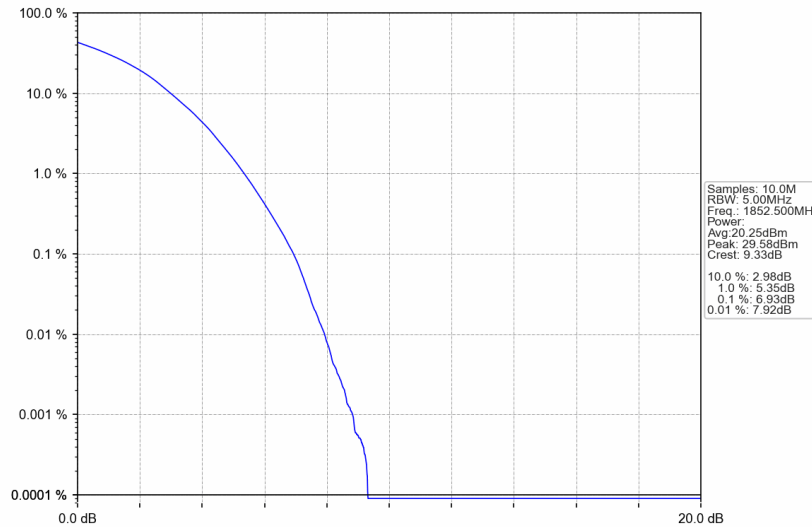
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Band2_5MHz_64QAM_HCH_1907.5MHz_RB_25_0_NTNV



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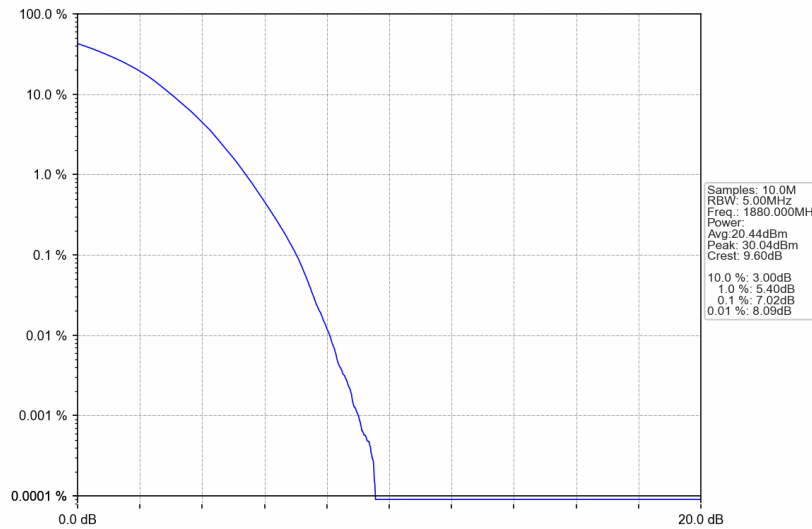
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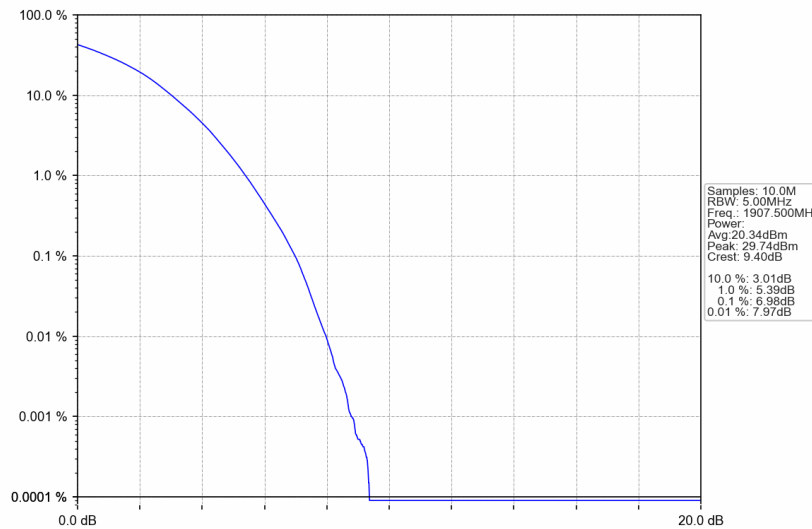
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4.4 B2_10MHz

4.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.48	<=13	Pass
	1880	50	0	5.62	<=13	Pass
	1905	50	0	5.54	<=13	Pass
16QAM	1855	50	0	6.12	<=13	Pass
	1880	50	0	6.36	<=13	Pass
	1905	50	0	6.22	<=13	Pass
64QAM	1855	50	0	6.47	<=13	Pass
	1880	50	0	6.68	<=13	Pass
	1905	50	0	6.56	<=13	Pass
256QAM	1855	50	0	6.77	<=13	Pass
	1880	50	0	6.87	<=13	Pass
	1905	50	0	6.84	<=13	Pass



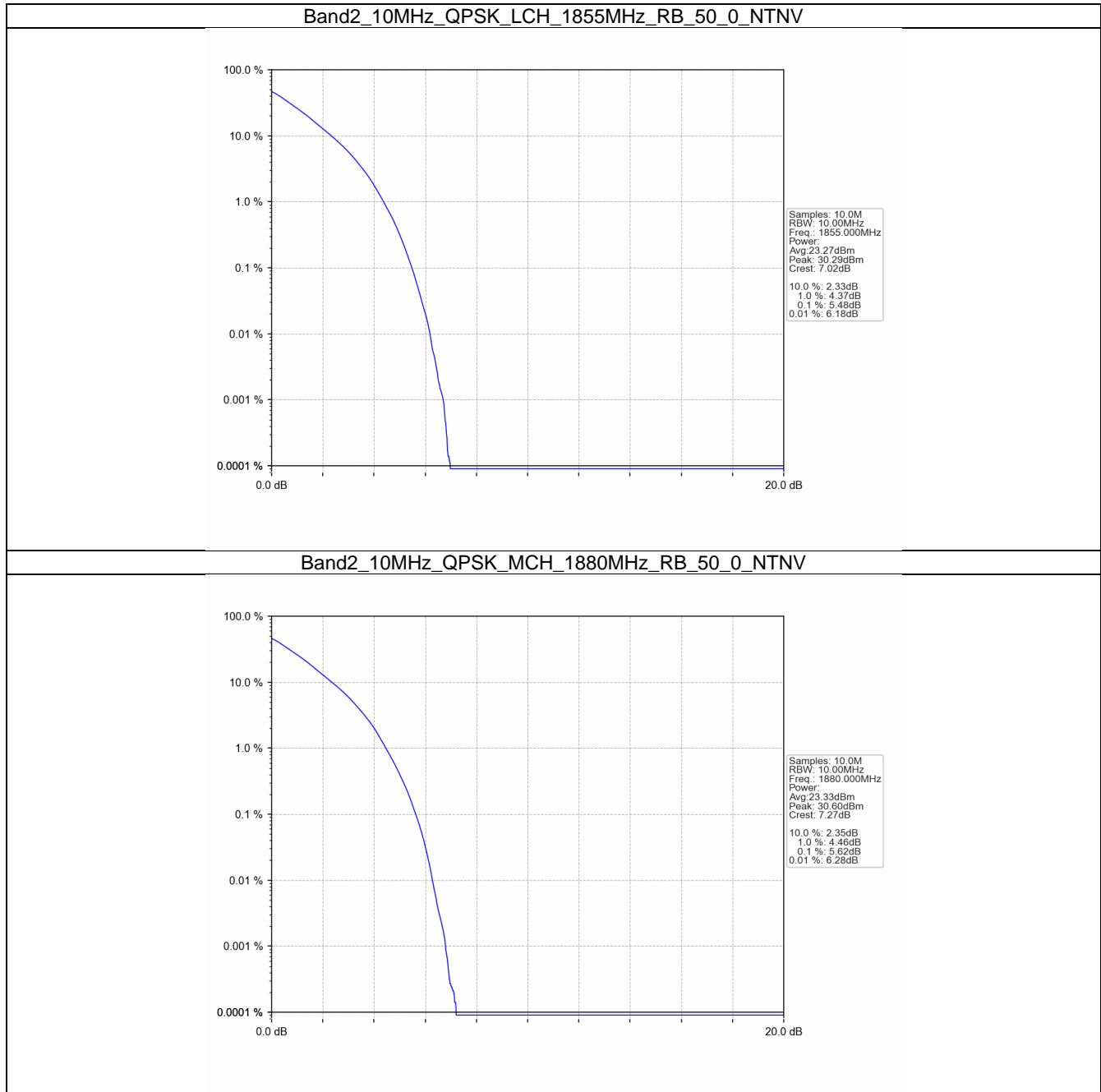
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4.4.2 Test Graph

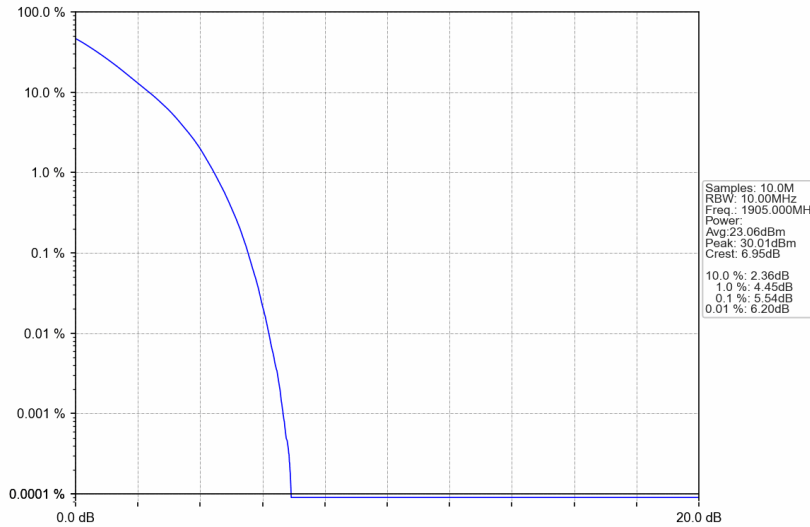


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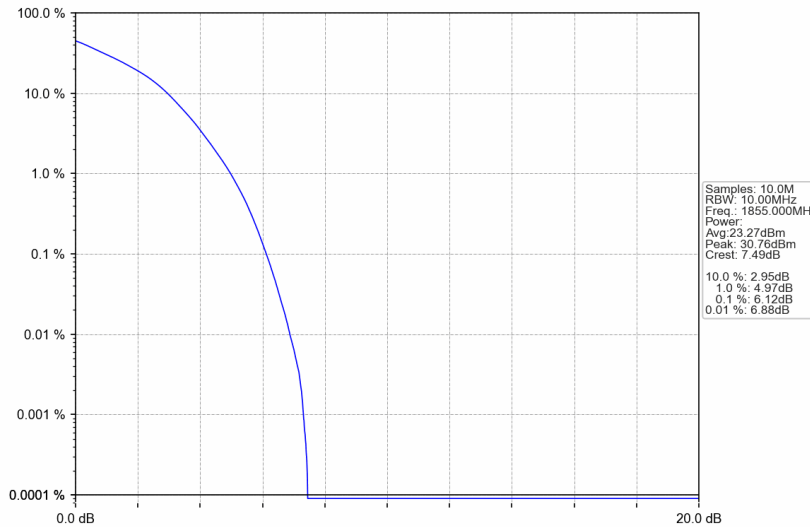
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Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV

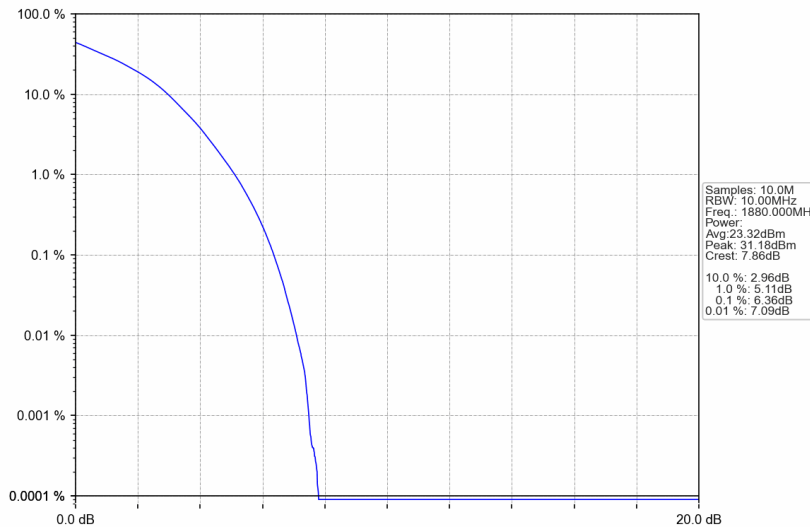


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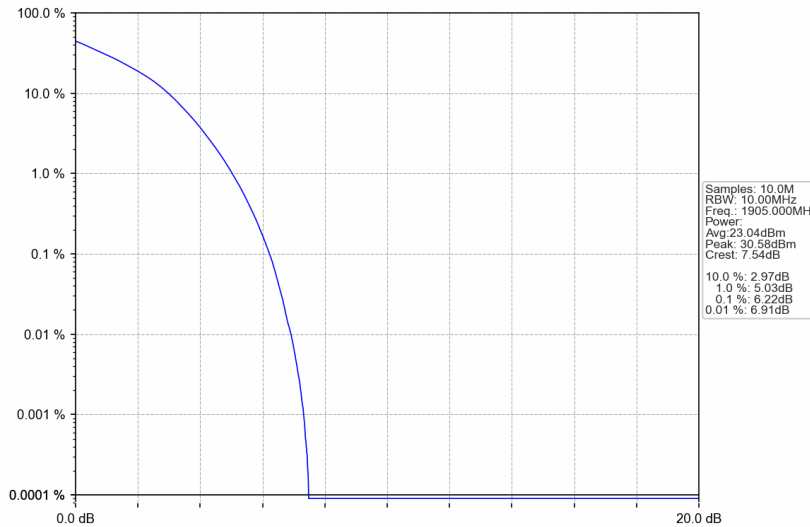
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Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV



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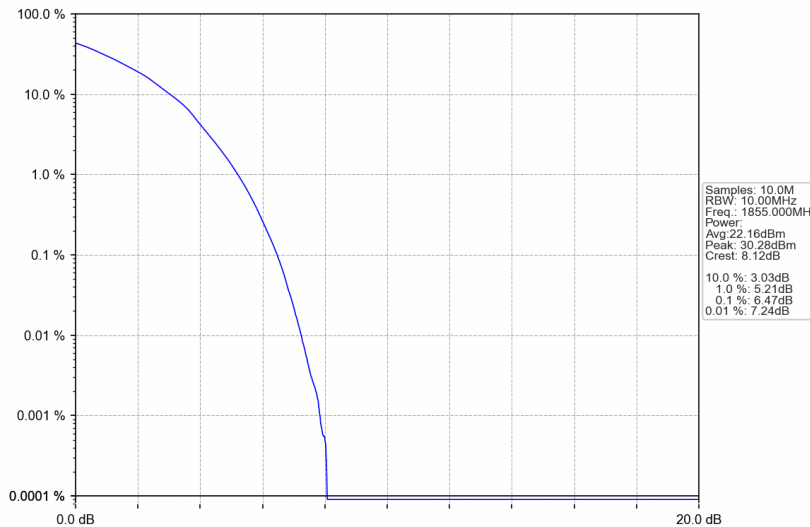
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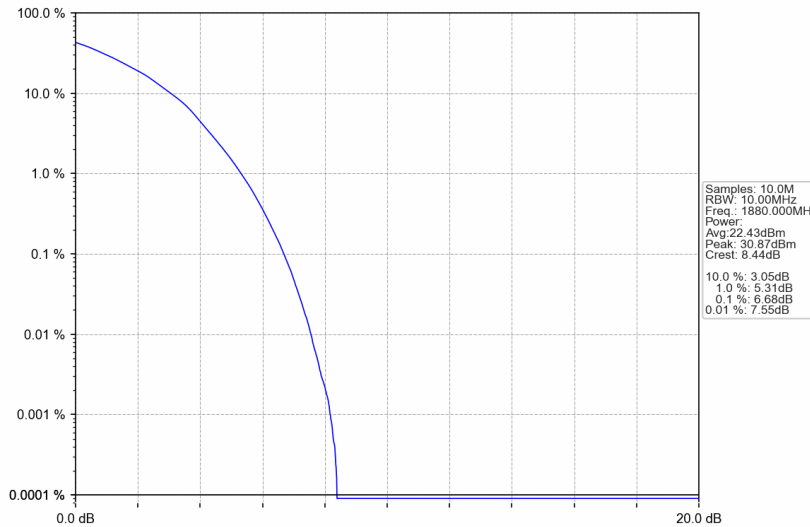
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Band2_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



Band2_10MHz_64QAM_MCH_1880MHz_RB_50_0_NTNV

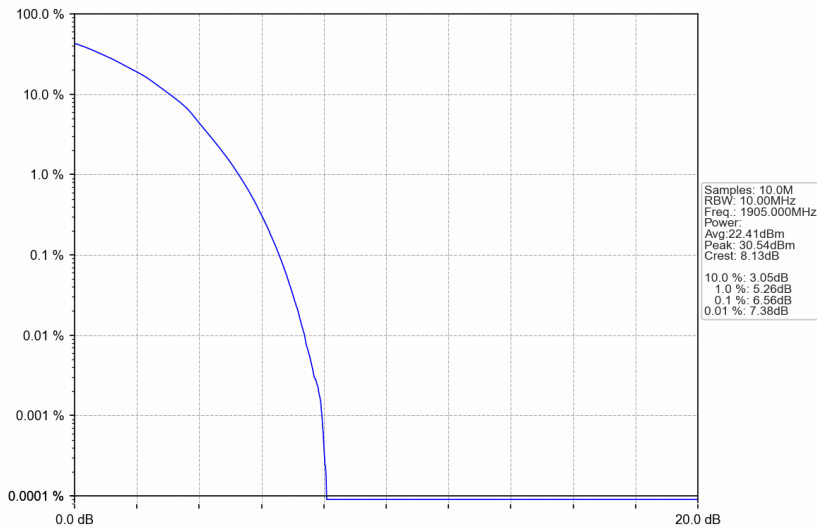


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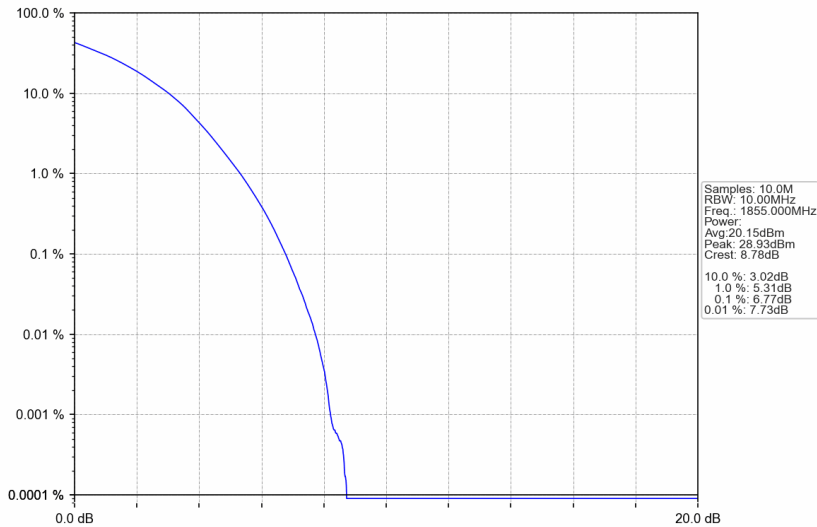
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Band2_10MHz_64QAM_HCH_1905MHz_RB_50_0_NTNV



Band2_10MHz_256QAM_LCH_1855MHz_RB_50_0_NTNV



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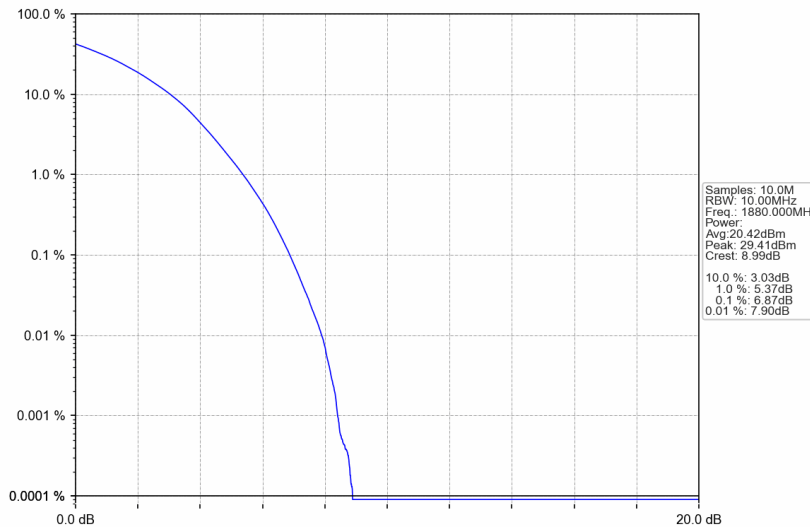
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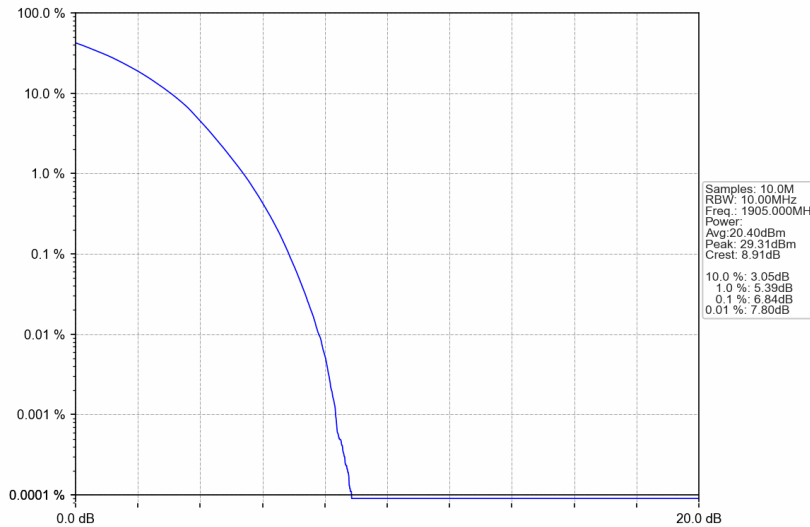
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Band2_10MHz_256QAM_MCH_1880MHz_RB_50_0_NTNV



Band2_10MHz_256QAM_HCH_1905MHz_RB_50_0_NTNV



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Report No.: SEWM2311000456RG01
Rev.: 01
Page: 136 of 281

4.5 B2_15MHz

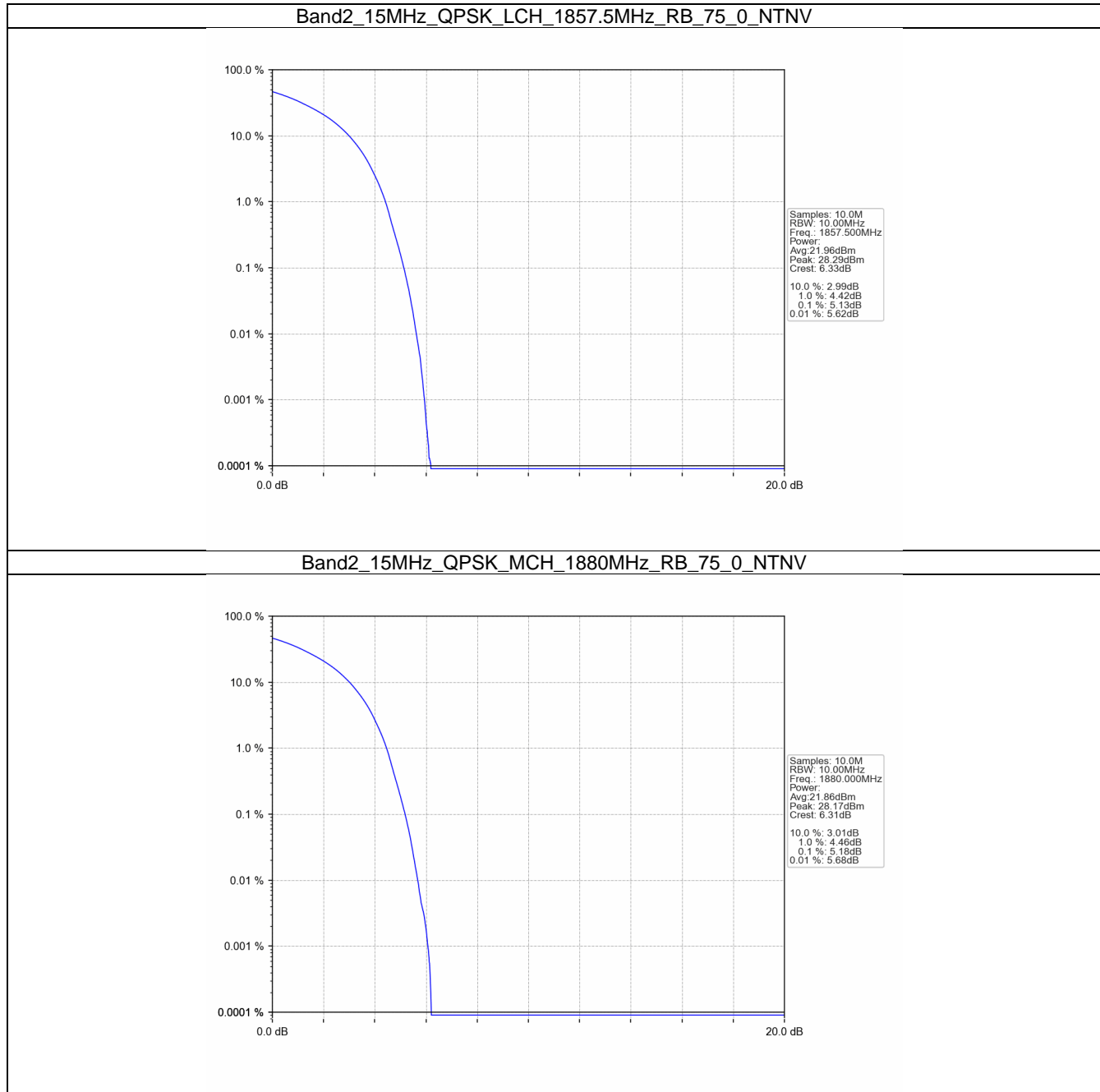
4.5.1 Test Result

Table with 7 columns: Modulation, Frequency (MHz), RB Allocation (Size, Offset), Peak-Average Ratio (dB) (Result, Limit), and Verdict. It lists test results for QPSK, 16QAM, 64QAM, and 256QAM at various frequencies (1857.5, 1880, 1902.5 MHz).



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4.5.2 Test Graph

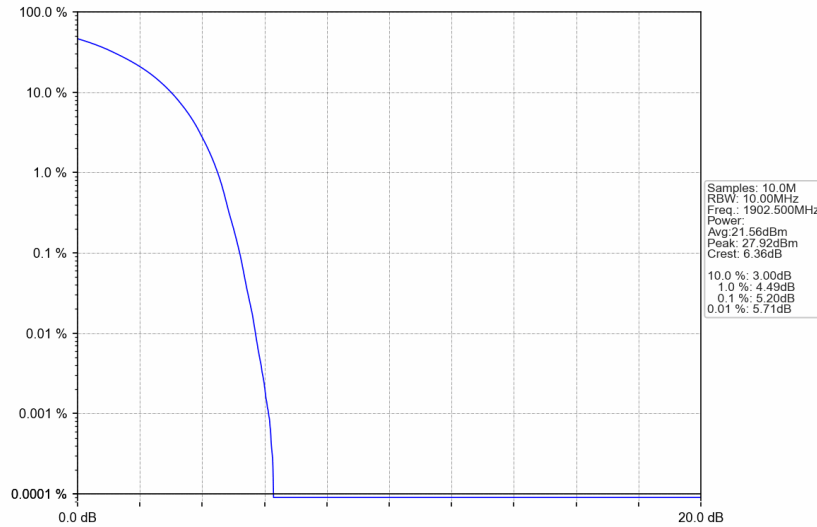


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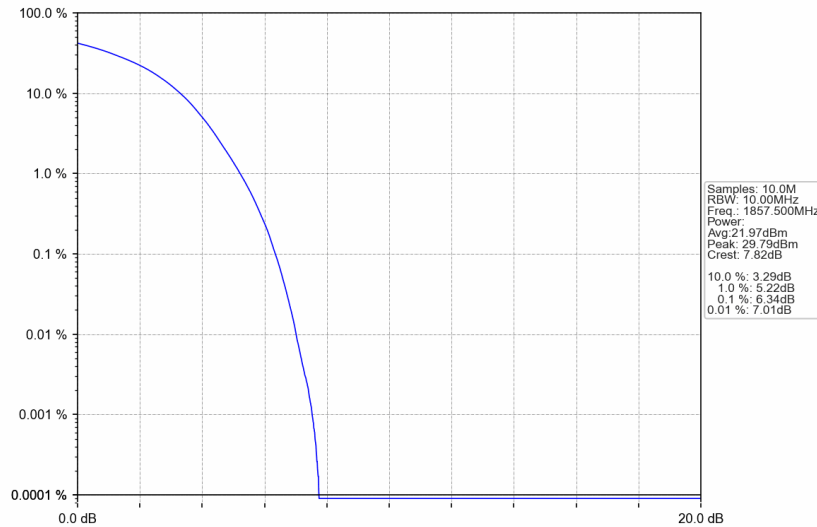
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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



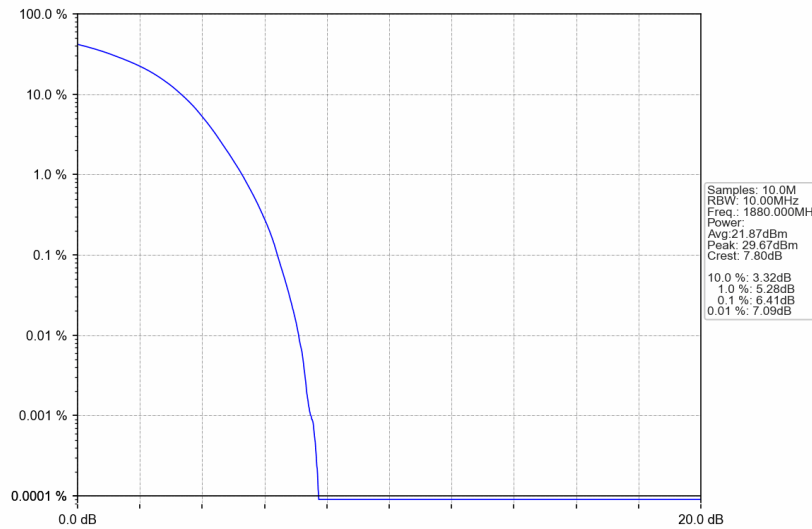
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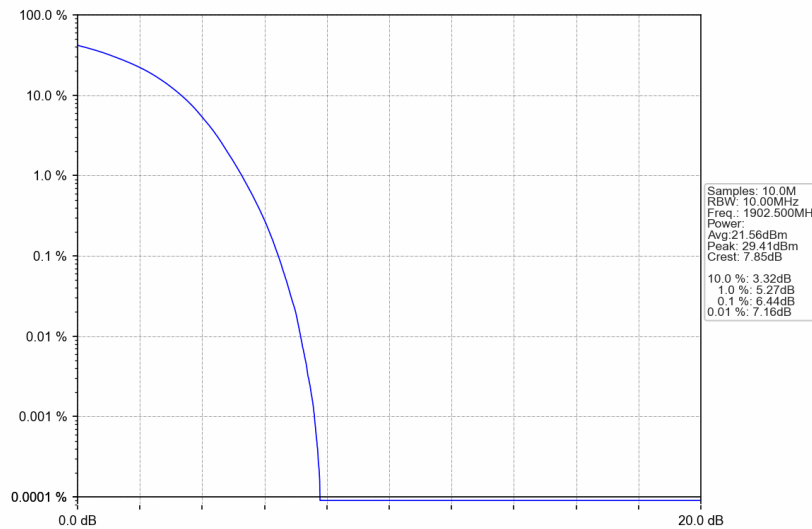
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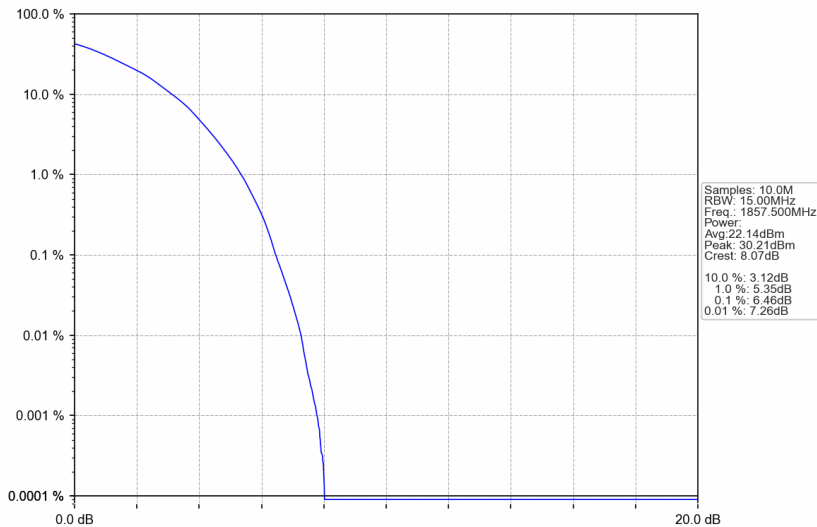
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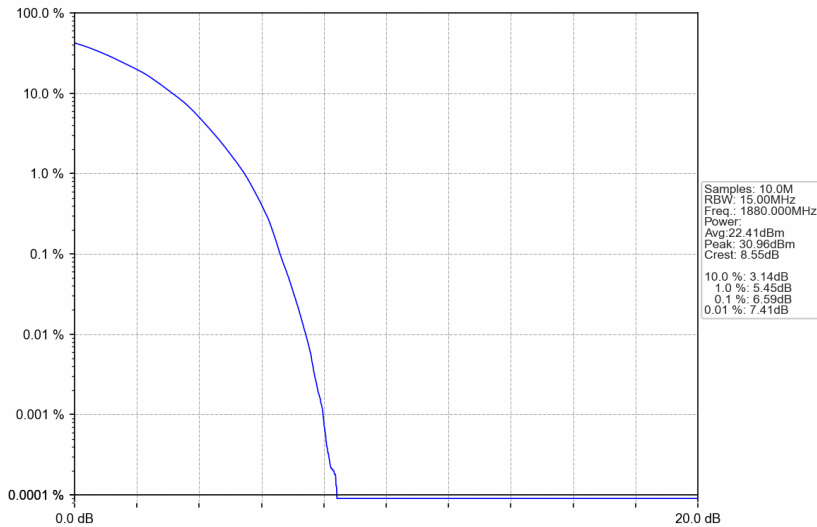
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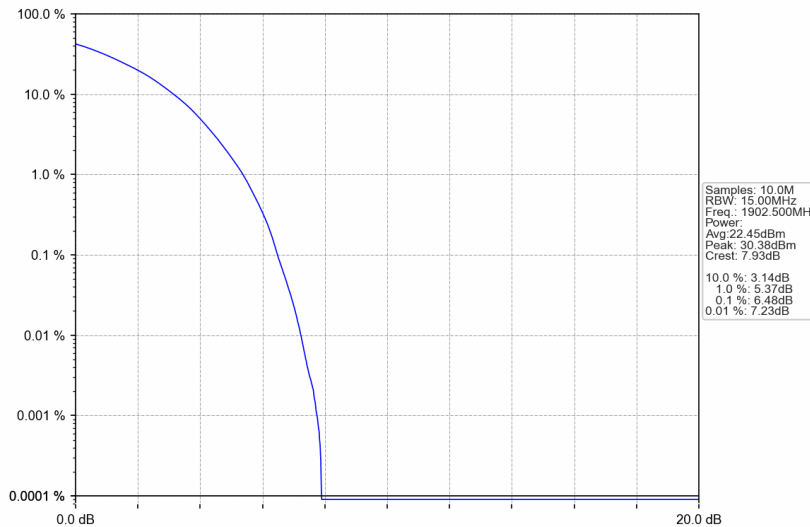
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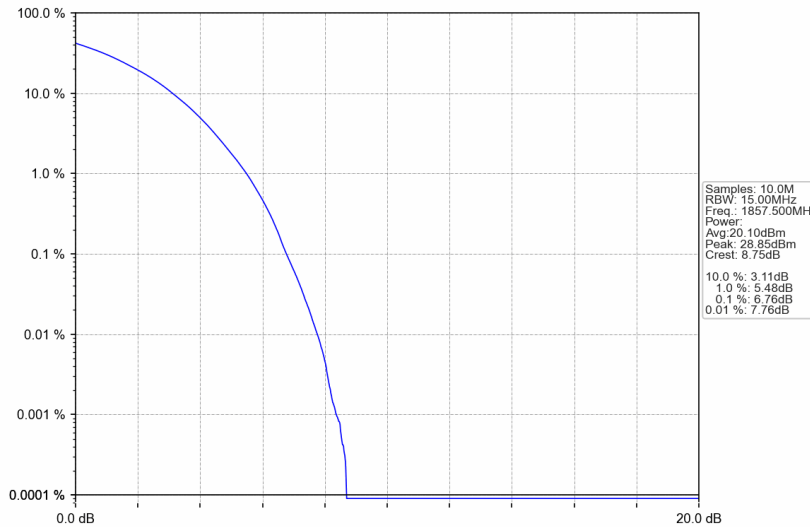
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Band2_15MHz_256QAM_LCH_1857.5MHz_RB_75_0_NTNV

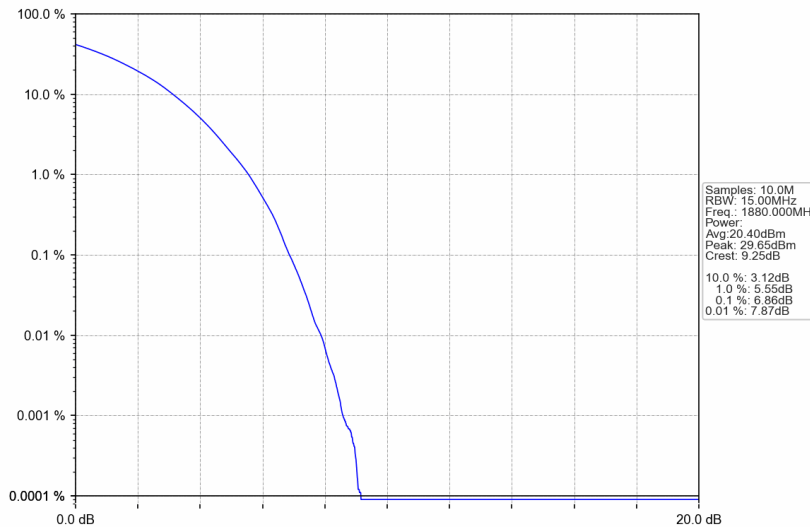


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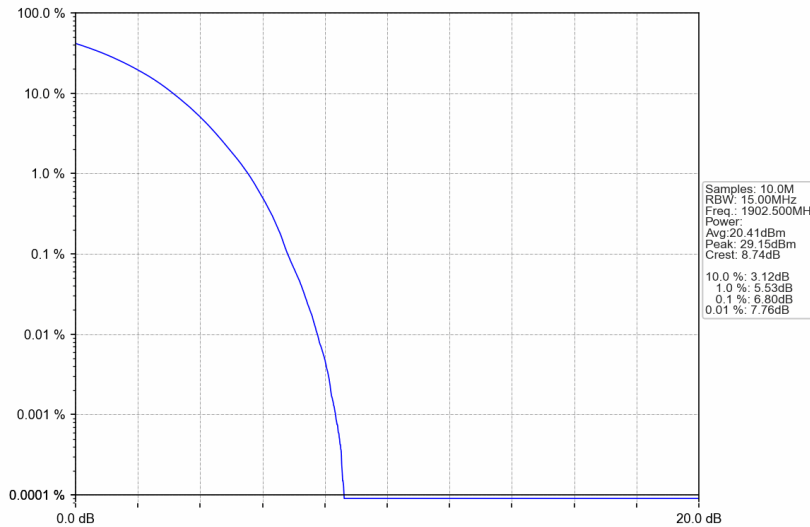
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Band2_15MHz_256QAM_MCH_1880MHz_RB_75_0_NTNV



Band2_15MHz_256QAM_HCH_1902.5MHz_RB_75_0_NTNV



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4.6 B2_20MHz

4.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.85	<=13	Pass
	1880	100	0	5.90	<=13	Pass
	1900	100	0	5.87	<=13	Pass
16QAM	1860	100	0	6.86	<=13	Pass
	1880	100	0	6.91	<=13	Pass
	1900	100	0	6.88	<=13	Pass
64QAM	1860	100	0	6.47	<=13	Pass
	1880	100	0	6.60	<=13	Pass
	1900	100	0	6.42	<=13	Pass
256QAM	1860	100	0	6.76	<=13	Pass
	1880	100	0	6.84	<=13	Pass
	1900	100	0	6.75	<=13	Pass



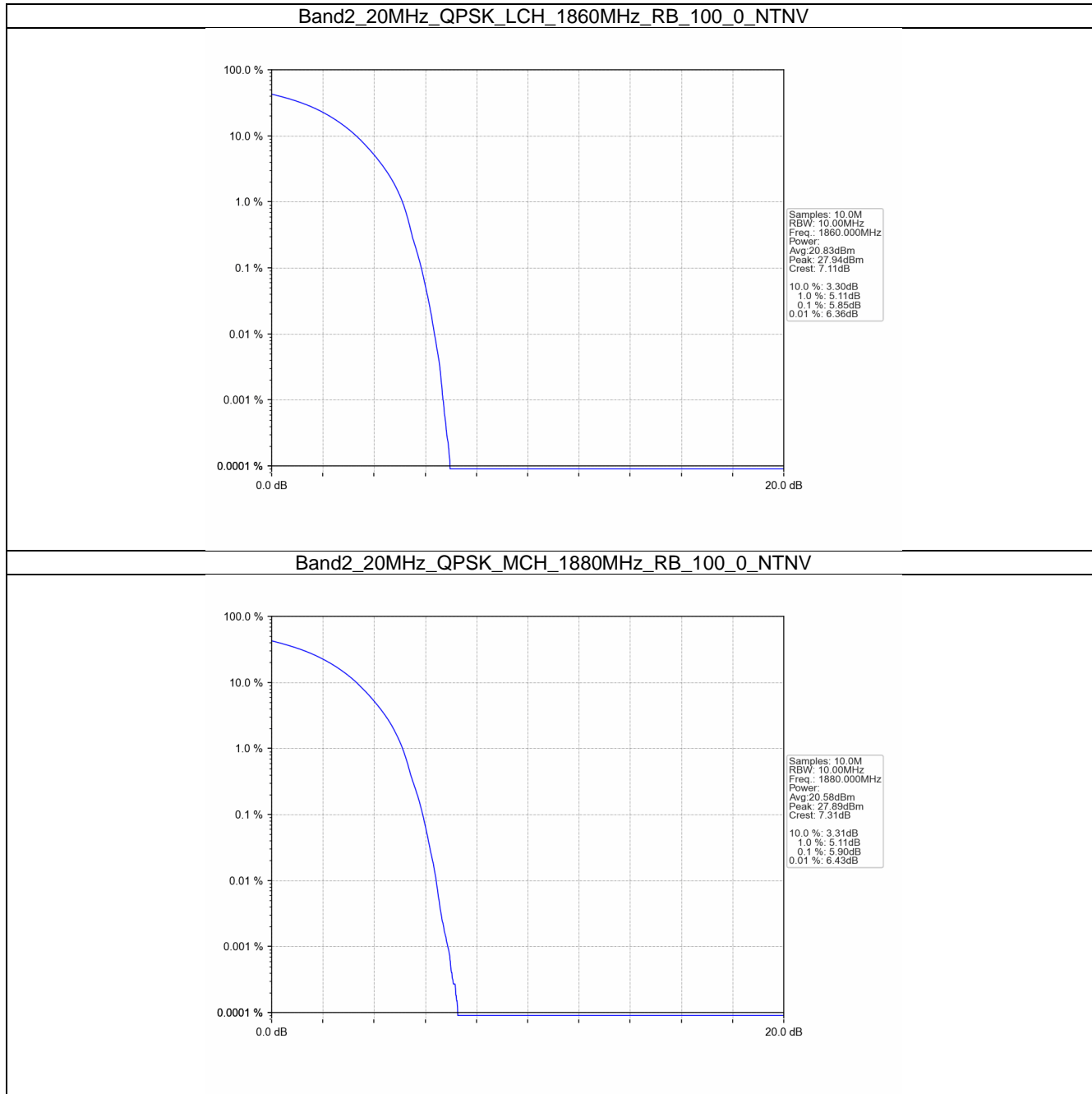
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4.6.2 Test Graph

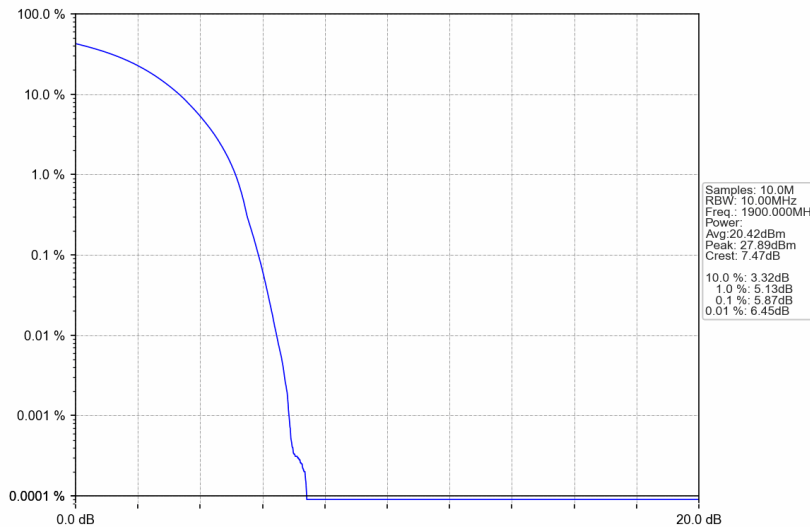


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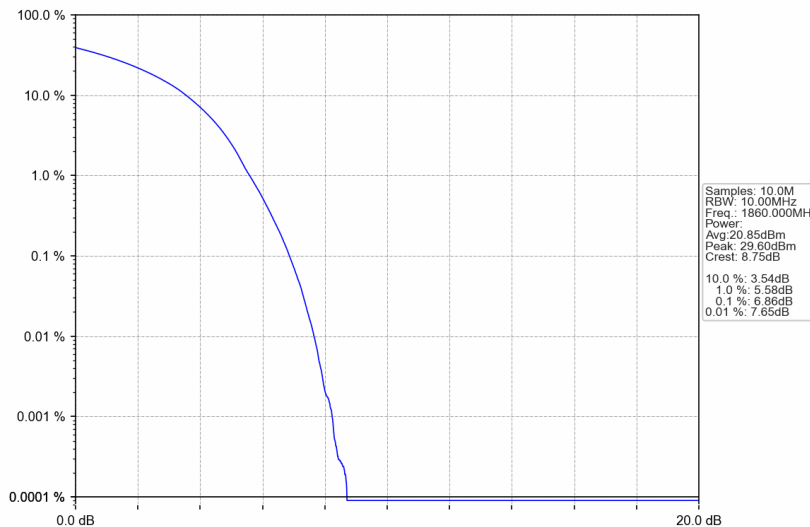
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Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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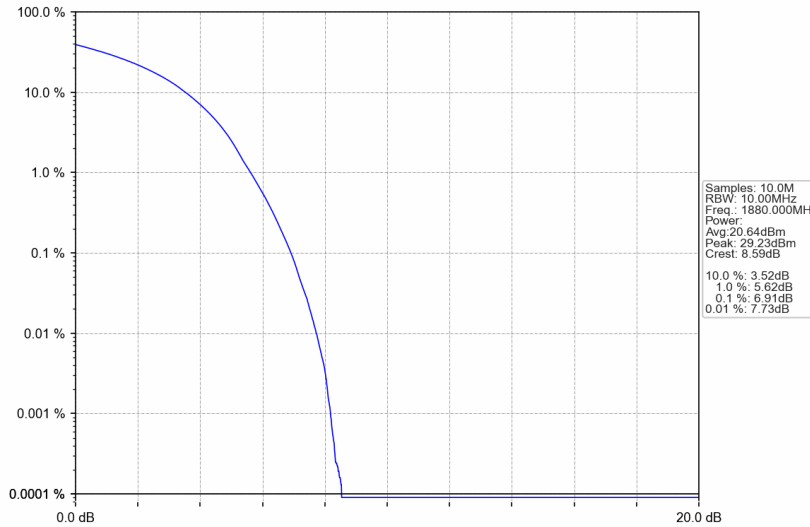
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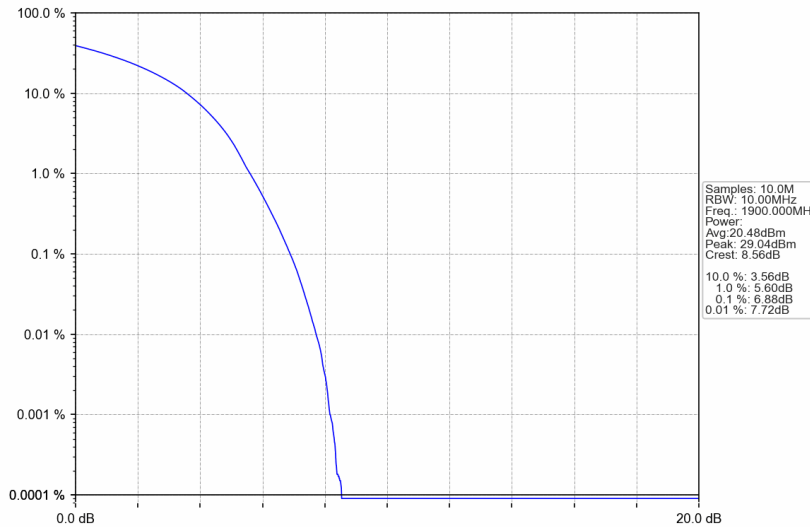
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Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_HCH_1900MHz_RB_100_0_NTNV

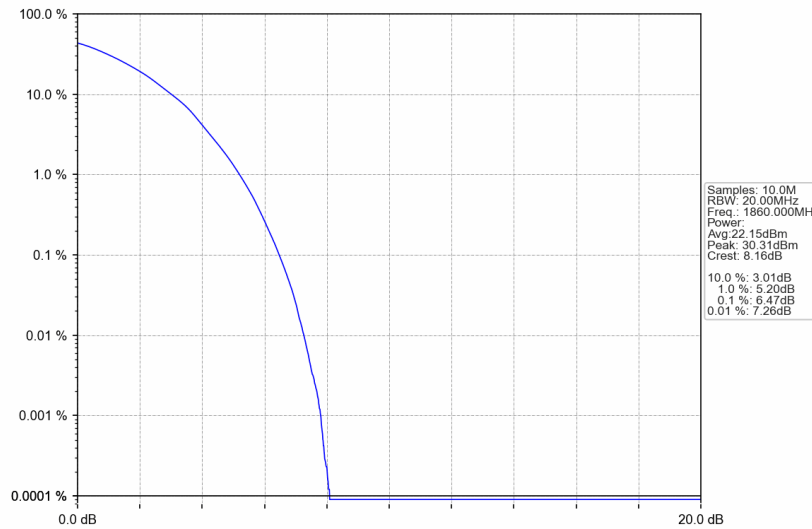


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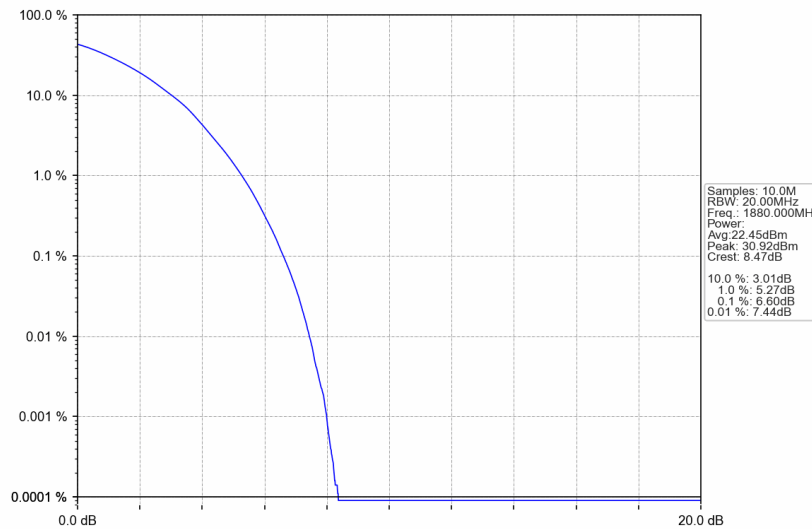
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Band2_20MHz_64QAM_LCH_1860MHz_RB_100_0_NTNV



Band2_20MHz_64QAM_MCH_1880MHz_RB_100_0_NTNV

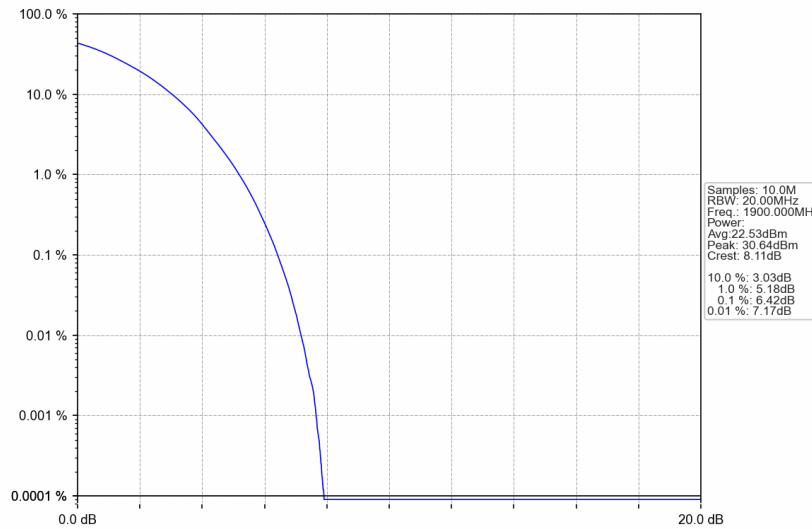


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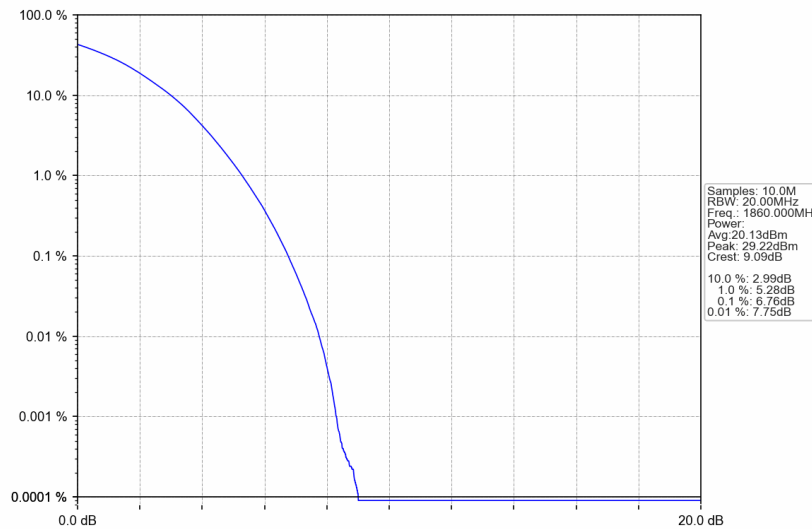
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Band2_20MHz_64QAM_HCH_1900MHz_RB_100_0_NTNV



Band2_20MHz_256QAM_LCH_1860MHz_RB_100_0_NTNV



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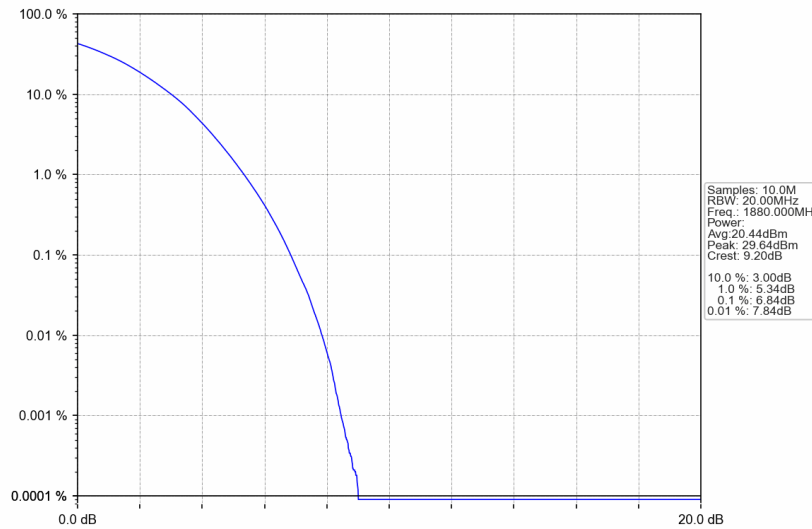
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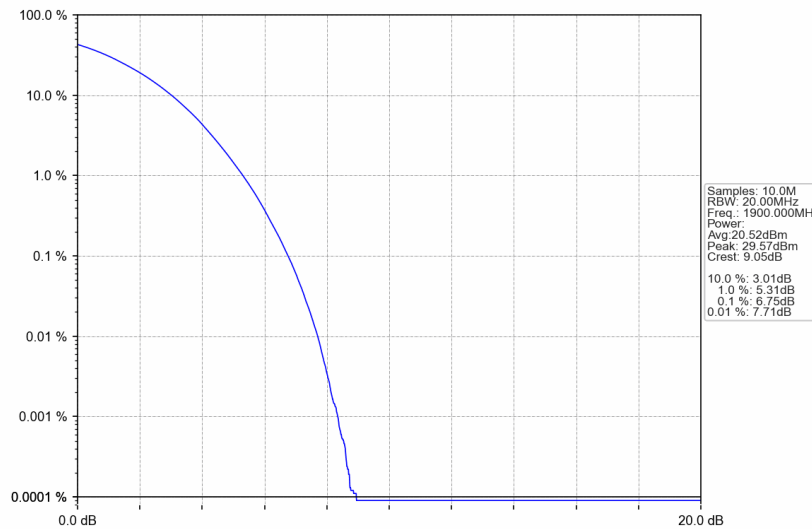
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Band2_20MHz_256QAM_HCH_1900MHz_RB_100_0_NTNV



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5. Spurious Emission & Band Edges

5.1 B2_1.4MHz

5.1.1 Test Result

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	
	1909.3	1	0	Refer To Test Graph	Pass	
		5	0	Refer To Test Graph	Pass	
		6	0	Refer To Test Graph	Pass	
		6	0	Refer To Test Graph	Pass	
16QAM	1850.7	1	0	Refer To Test Graph	Pass	
		6	0	Refer To Test Graph	Pass	
	1909.3	1	0	Refer To Test Graph	Pass	
		5	0	Refer To Test Graph	Pass	
		6	0	Refer To Test Graph	Pass	
		6	0	Refer To Test Graph	Pass	
64QAM	1850.7	1	0	Refer To Test Graph	Pass	
		6	0	Refer To Test Graph	Pass	
	1909.3	1	0	Refer To Test Graph	Pass	
		5	0	Refer To Test Graph	Pass	
		6	0	Refer To Test Graph	Pass	
		6	0	Refer To Test Graph	Pass	
256QAM	1850.7	1	0	Refer To Test Graph	Pass	
		6	0	Refer To Test Graph	Pass	
	1909.3	1	0	Refer To Test Graph	Pass	
		5	0	Refer To Test Graph	Pass	
		6	0	Refer To Test Graph	Pass	
		6	0	Refer To Test Graph	Pass	

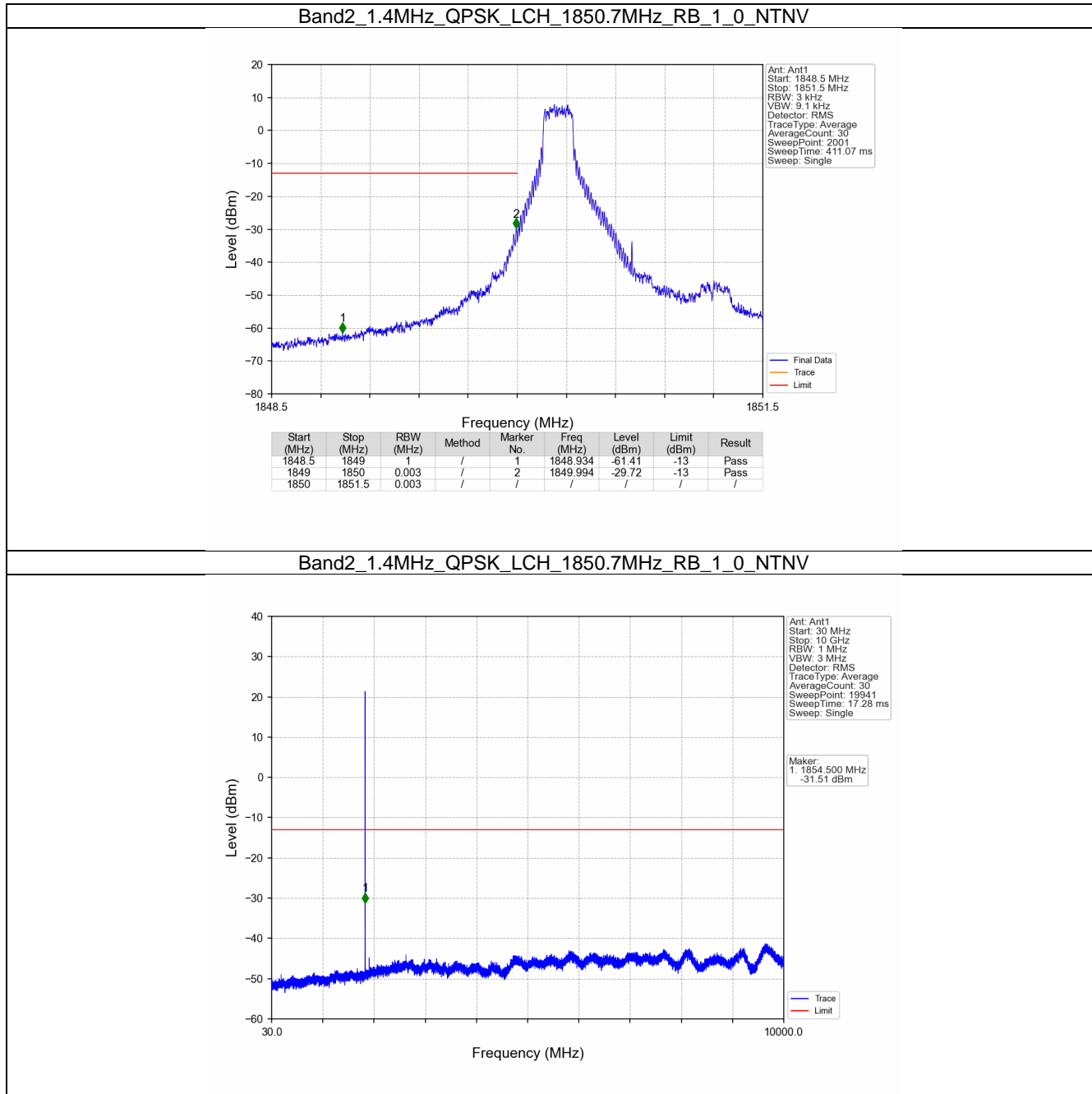


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5.1.2 Test Graph

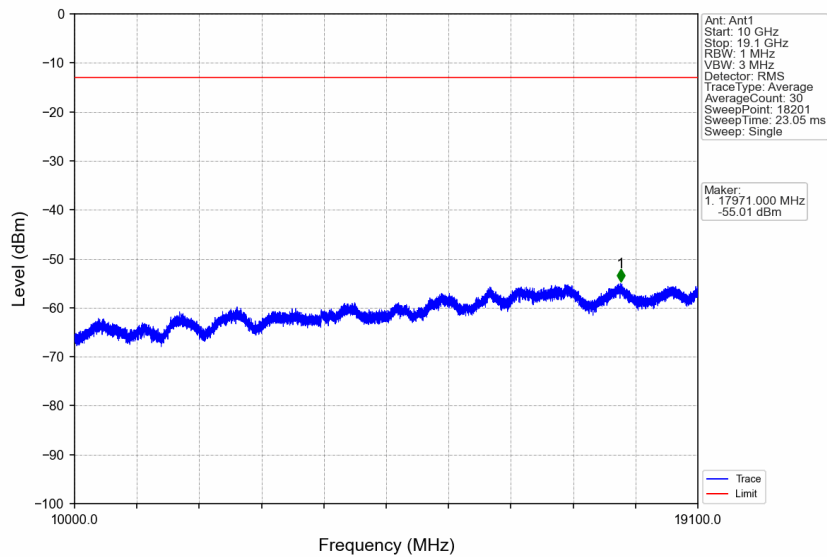


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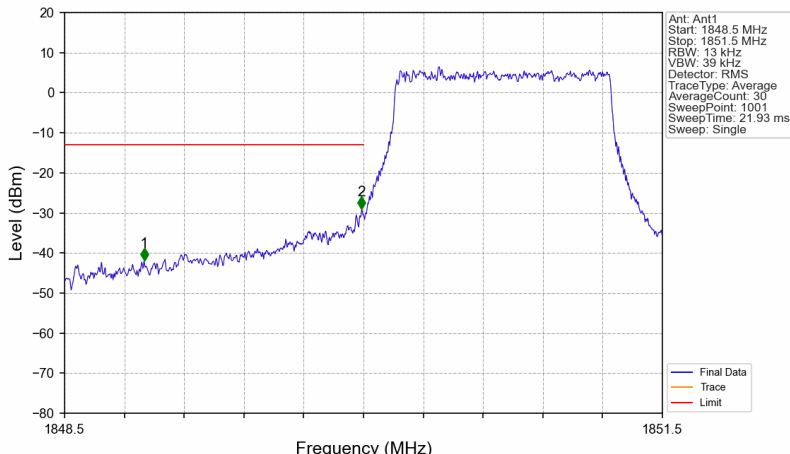
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Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



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	1848.899	-41.89	-13	Pass
1849	1850	0.013	/	2	1849.991	-29.01	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/

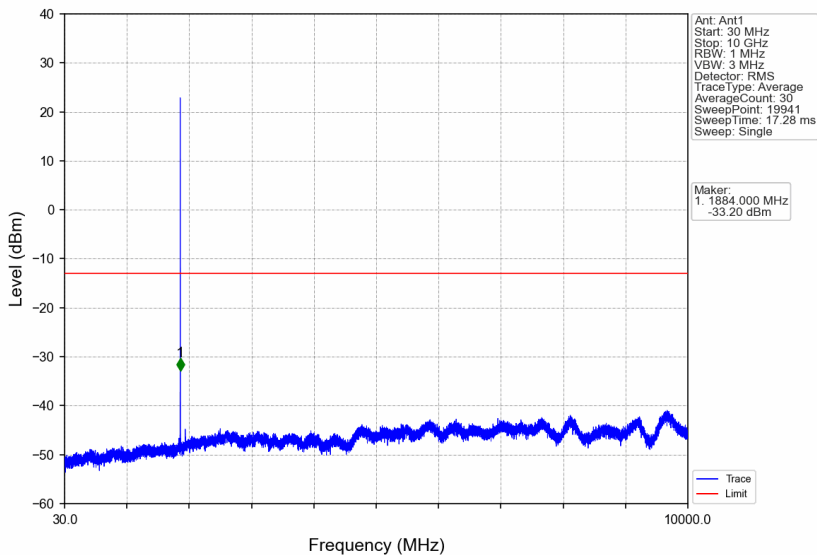


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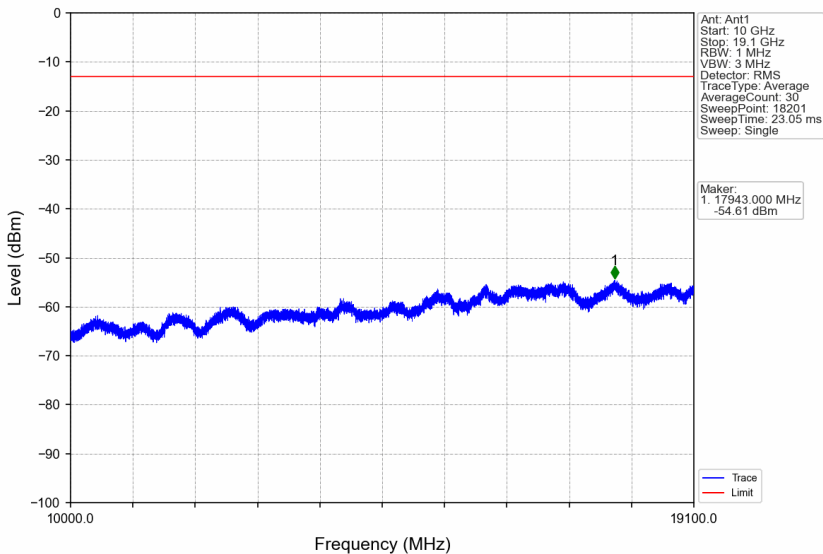
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Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV

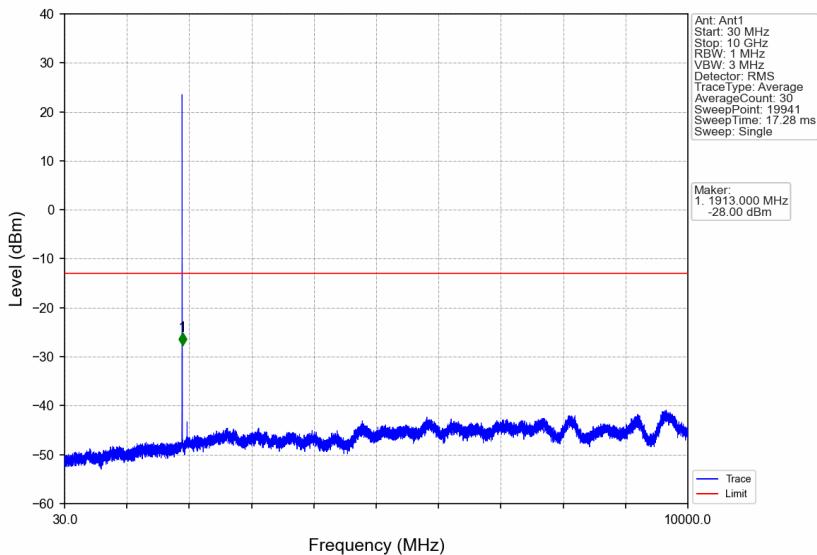


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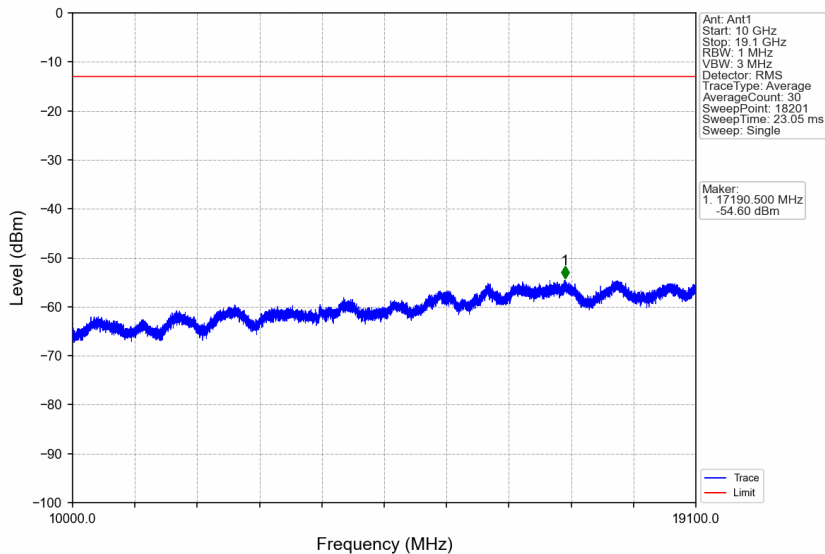
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV

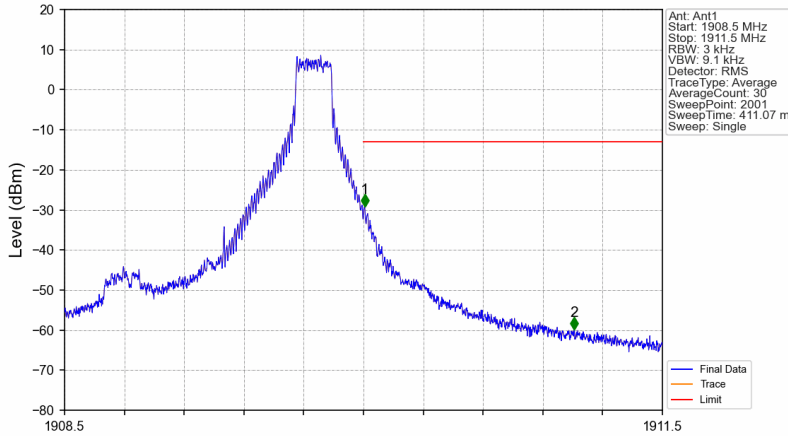


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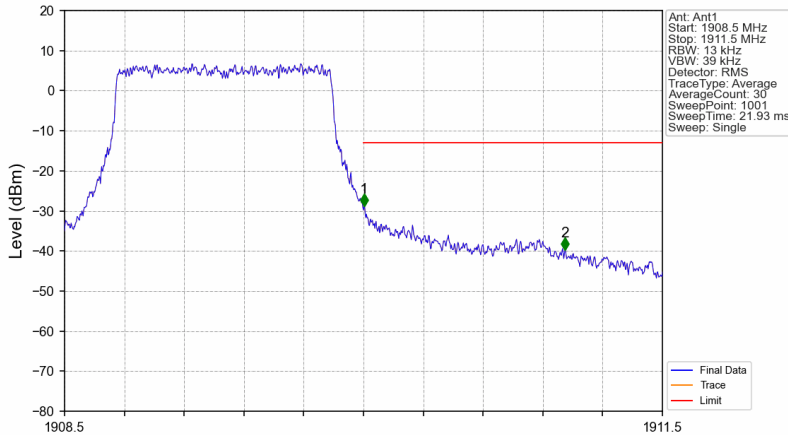
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_5_NTNV



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	1910.006	-29.20	-13	Pass
1911	1911.5	1	/	2	1911.057	-59.91	-13	Pass

Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1908.5	1910	0.013	/	/	/	/	/	/
1910	1911	0.013	/	1	1910.003	-28.80	-13	Pass
1911	1911.5	1	/	2	1911.011	-39.74	-13	Pass



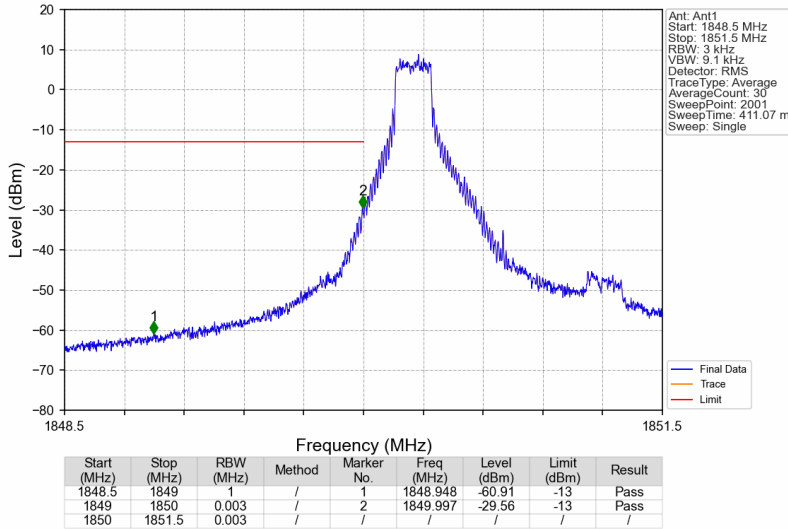
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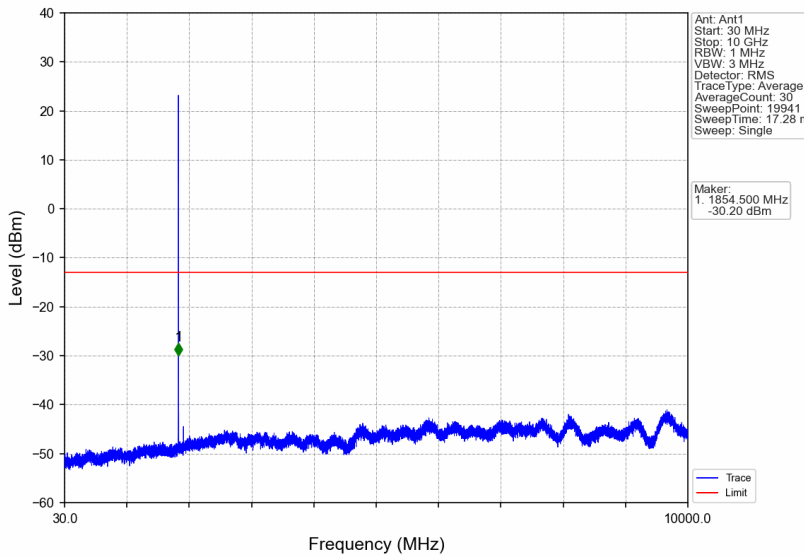
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Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV

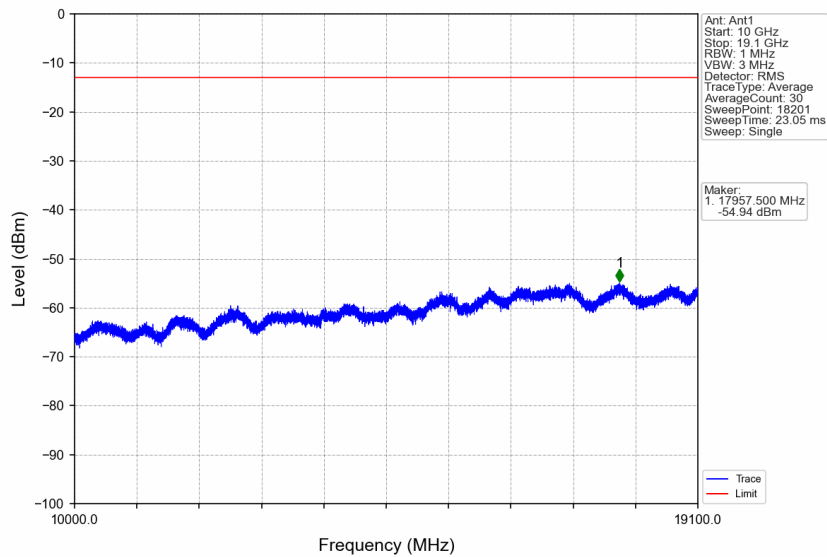


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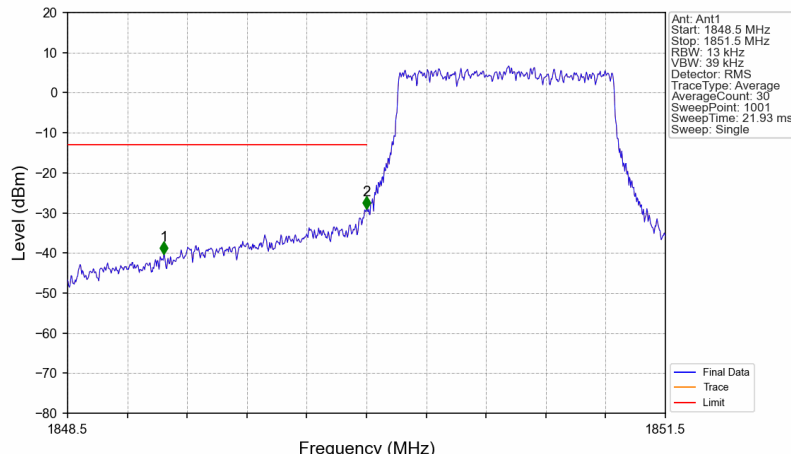
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Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_16QAM_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	1848.983	-40.37	-13	Pass
1849	1850	0.013	/	2	1850.000	-29.09	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/

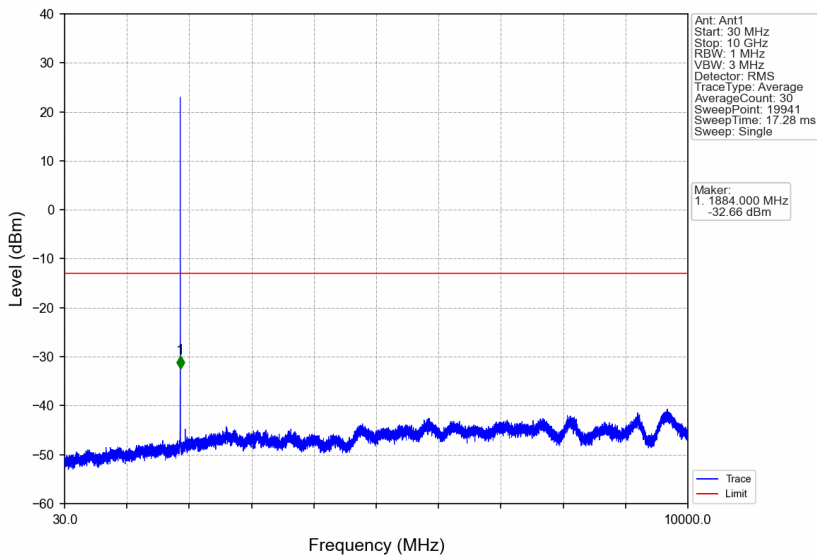


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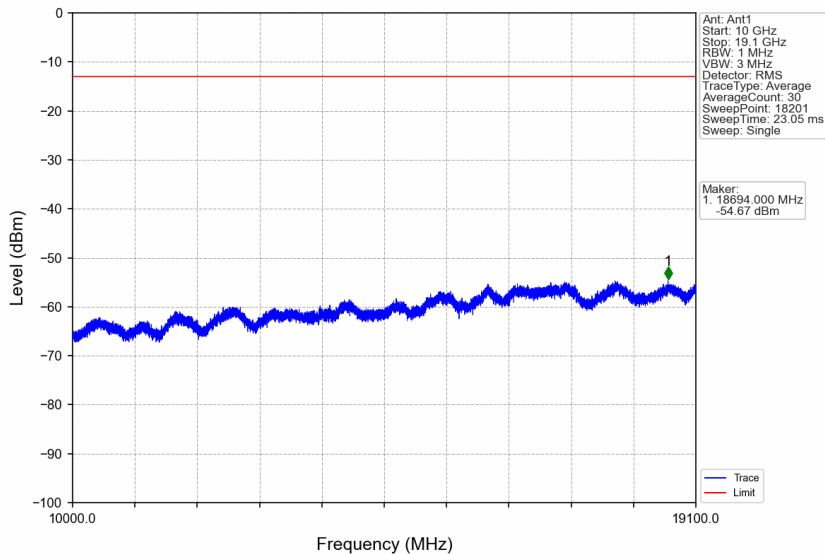
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Band2_1.4MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV



Band2_1.4MHz_16QAM_MCH_1880MHz_RB_1_0_NTNV

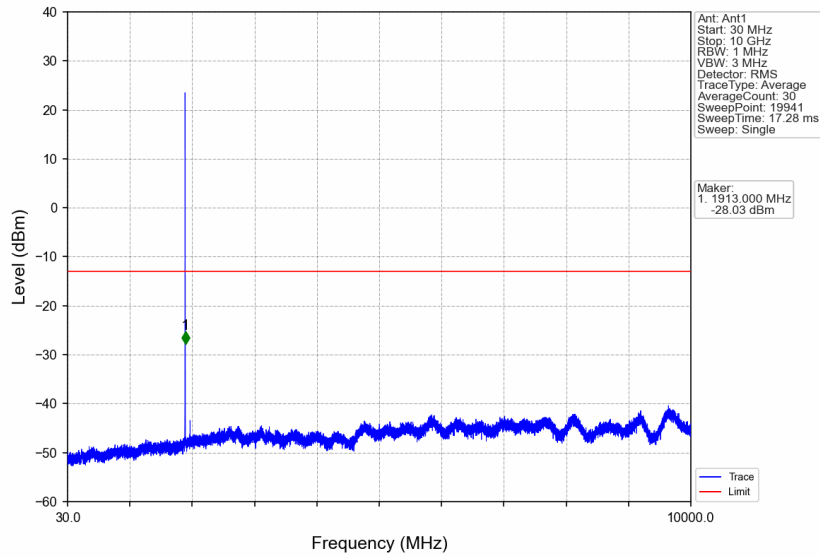


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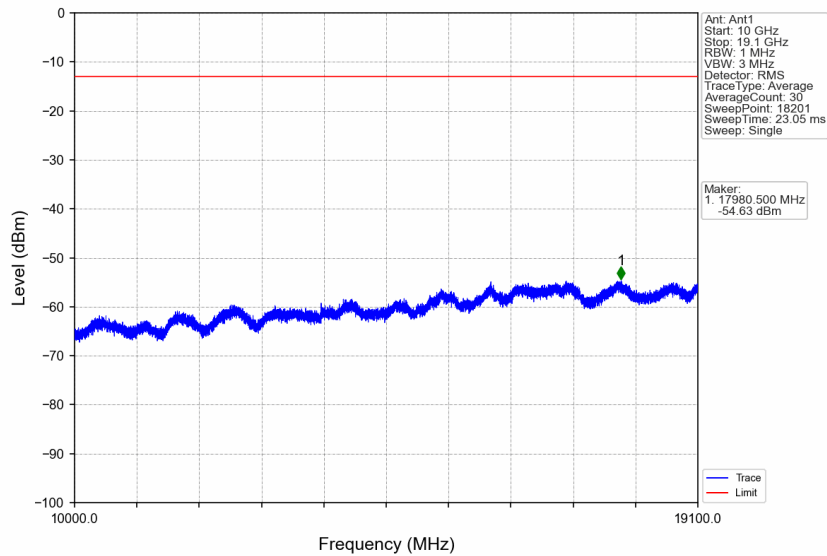
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Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_0_NTNV



Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_0_NTNV



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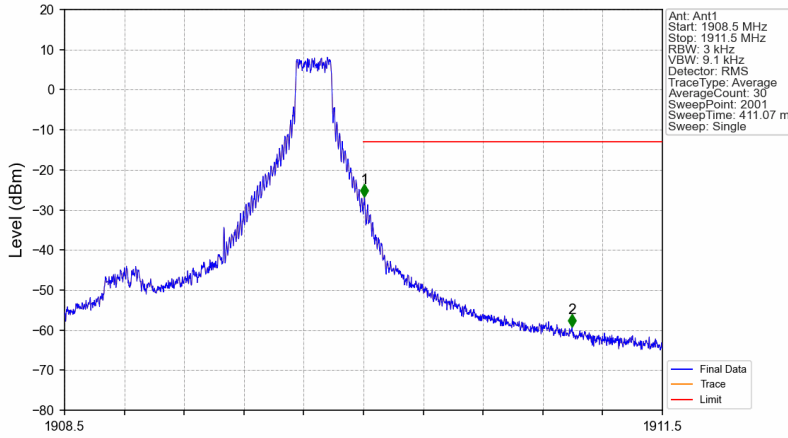
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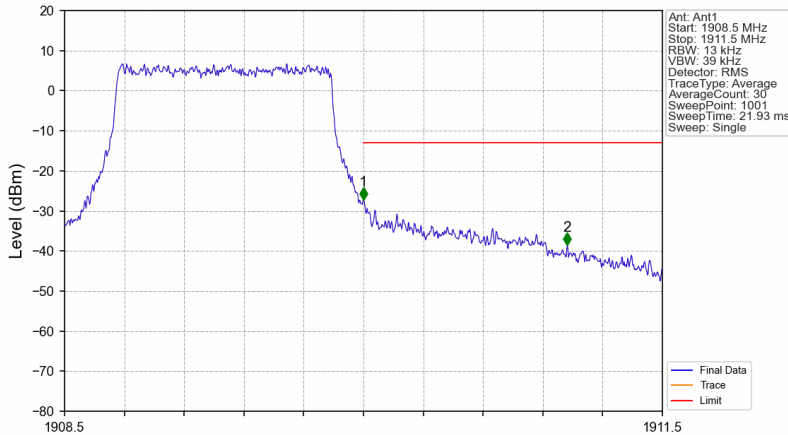
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Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_1_5_NTNV



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	-26.80	-13	Pass
1911	1911.5	1	/	2	1911.047	-59.26	-13	Pass

Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1908.5	1910	0.013	/	/	/	/	/	/
1910	1911	0.013	/	1	1910.000	-27.19	-13	Pass
1911	1911.5	1	/	2	1911.023	-38.48	-13	Pass

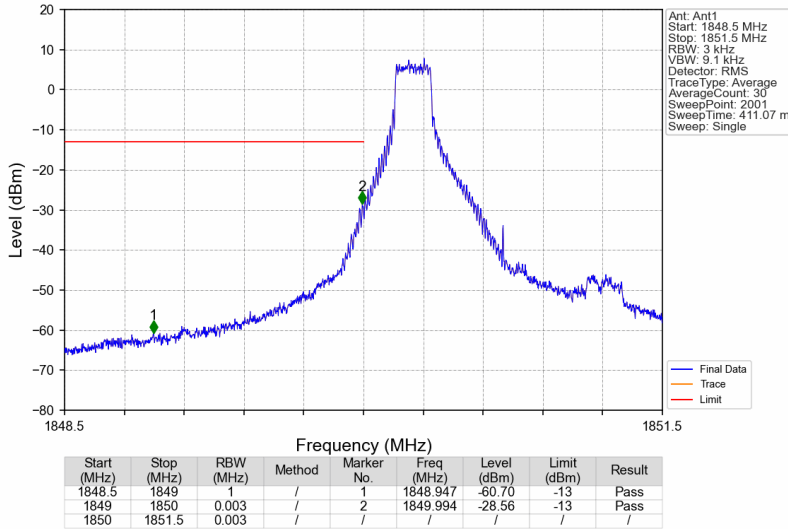


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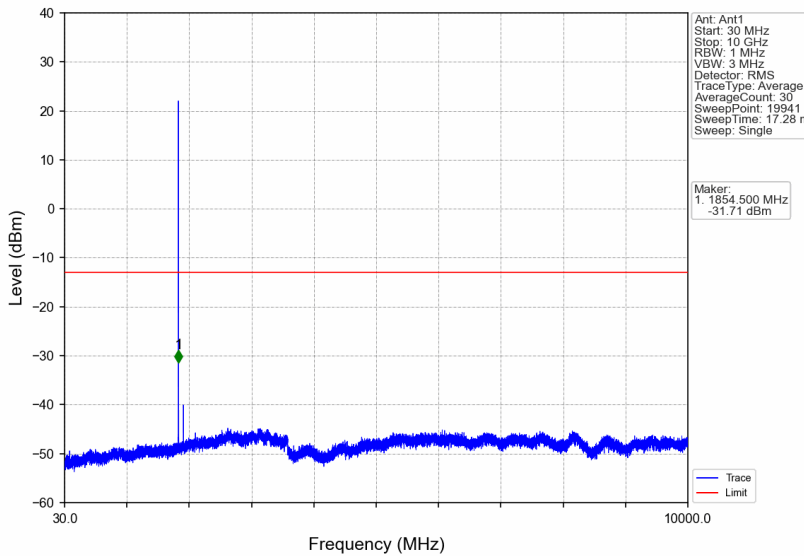
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Band2_1.4MHz_64QAM_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_64QAM_LCH_1850.7MHz_RB_1_0_NTNV

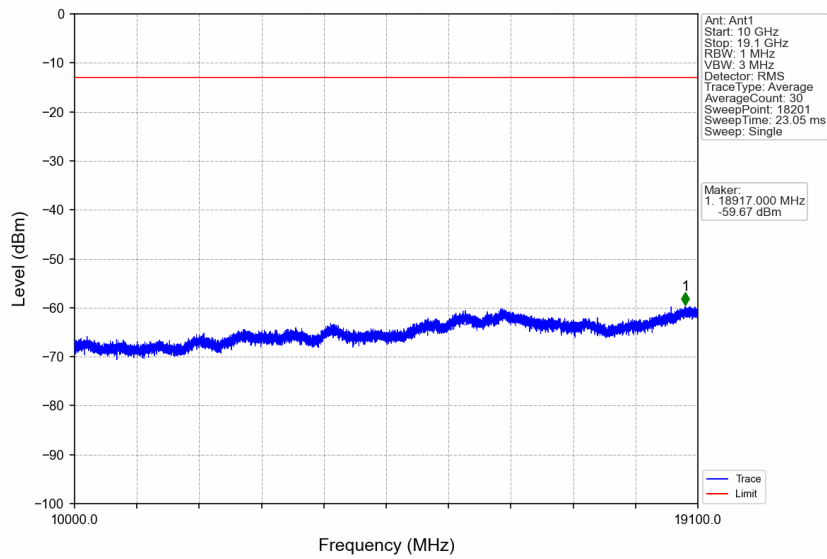


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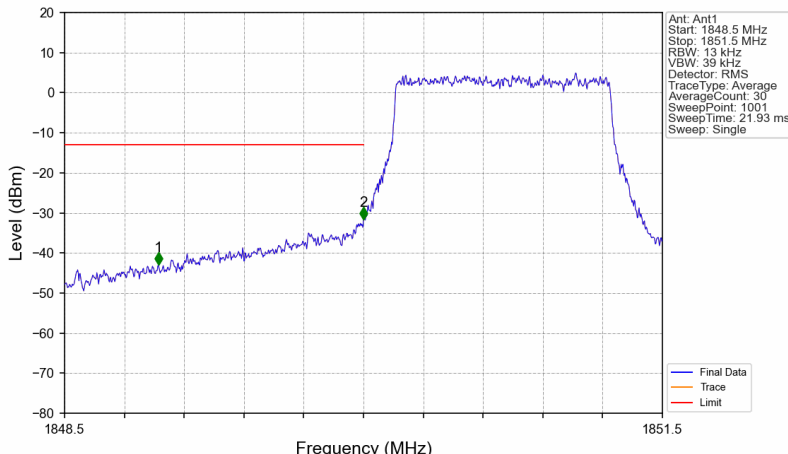
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Band2_1.4MHz_64QAM_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_64QAM_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	1848.971	-43.04	-13	Pass
1849	1850	0.013	/	2	1850.000	-31.74	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/

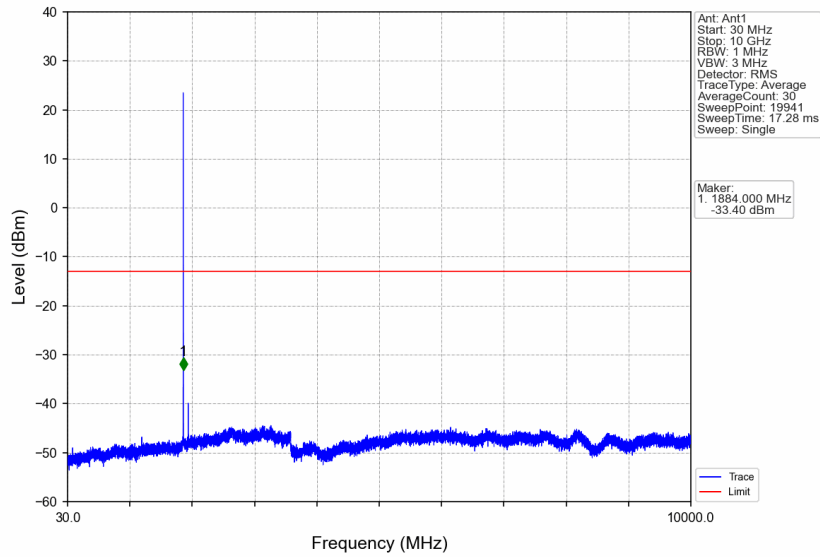


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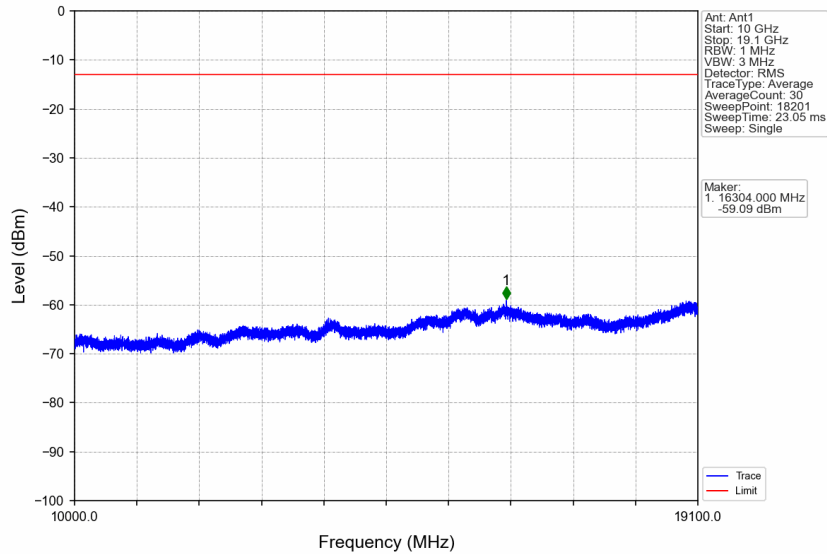
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Band2_1.4MHz_64QAM_MCH_1880MHz_RB_1_0_NTNV



Band2_1.4MHz_64QAM_MCH_1880MHz_RB_1_0_NTNV



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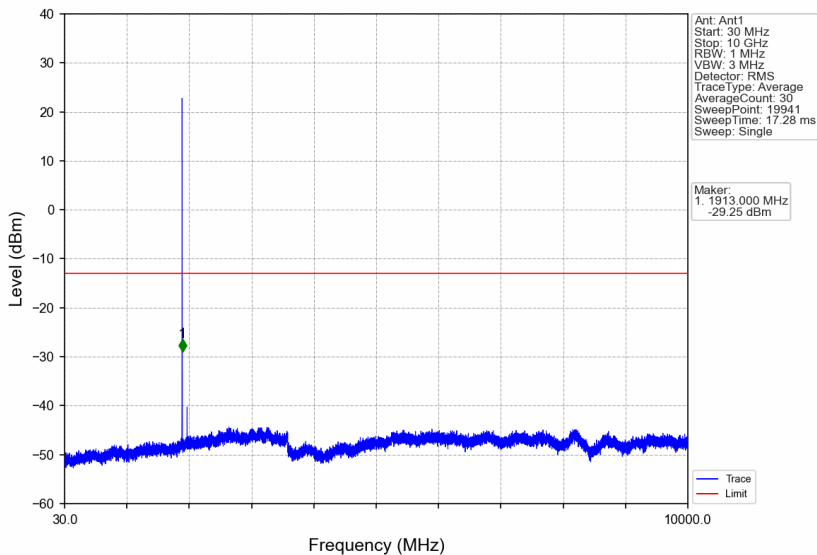
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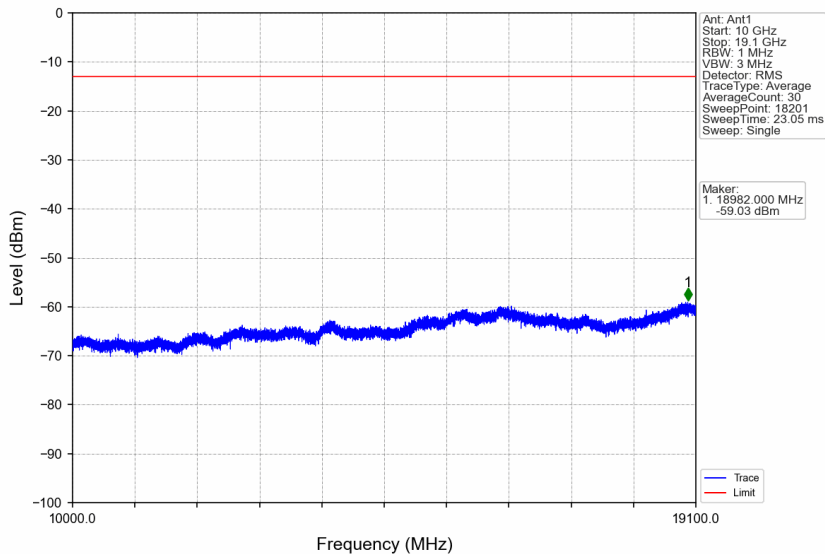
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Band2_1.4MHz_64QAM_HCH_1909.3MHz_RB_1_0_NTNV



Band2_1.4MHz_64QAM_HCH_1909.3MHz_RB_1_0_NTNV

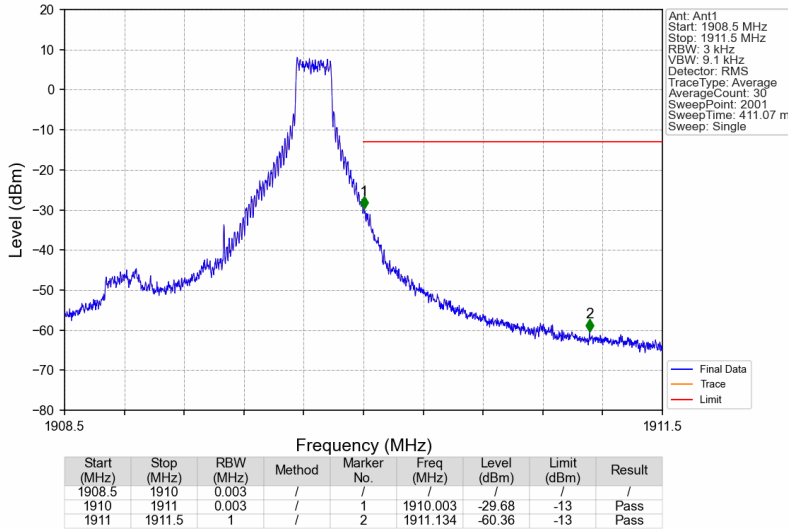


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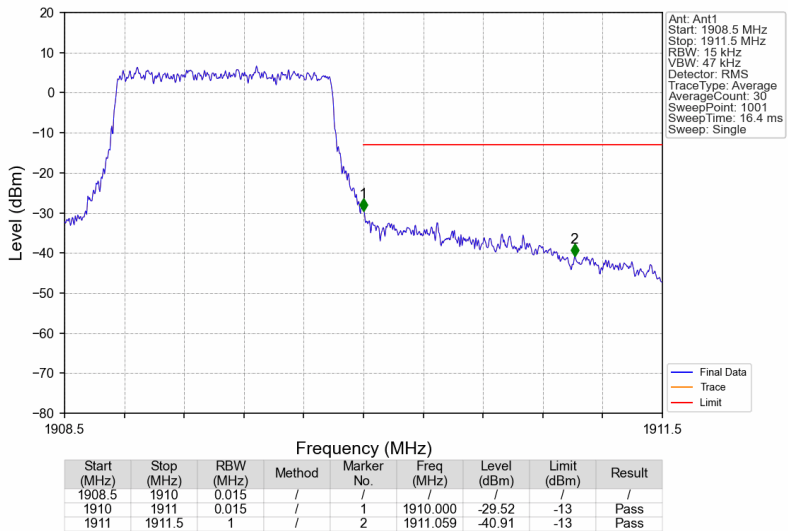
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Band2_1.4MHz_64QAM_HCH_1909.3MHz_RB_1_5_NTNV



Band2_1.4MHz_64QAM_HCH_1909.3MHz_RB_6_0_NTNV

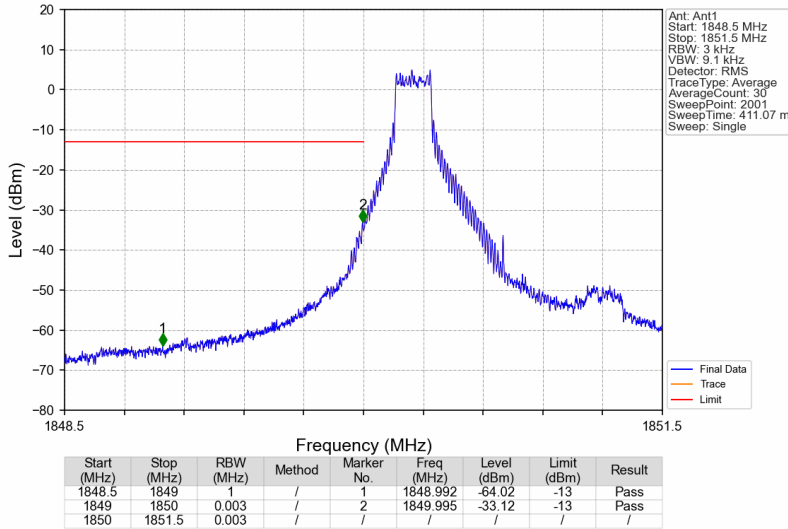


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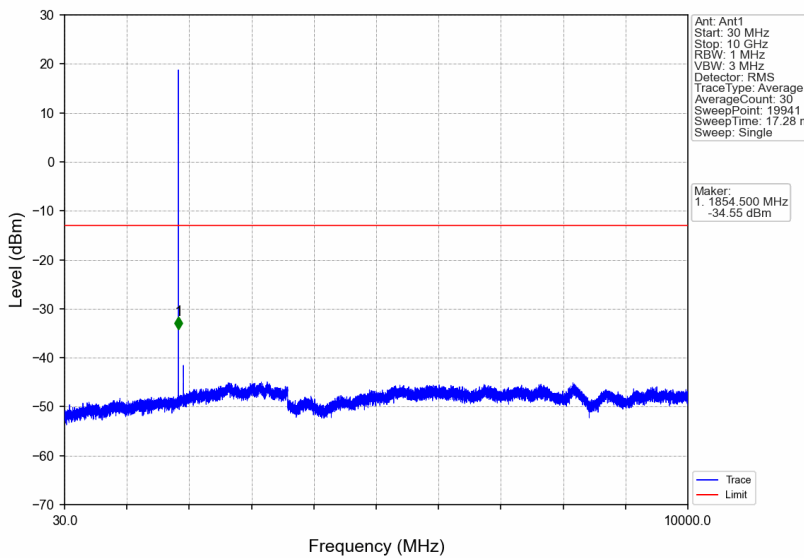
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Band2_1.4MHz_256QAM_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_256QAM_LCH_1850.7MHz_RB_1_0_NTNV

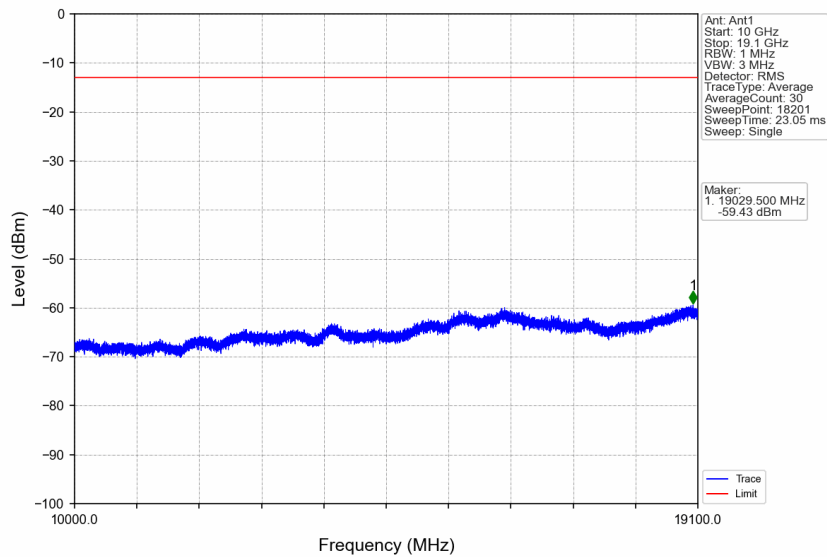


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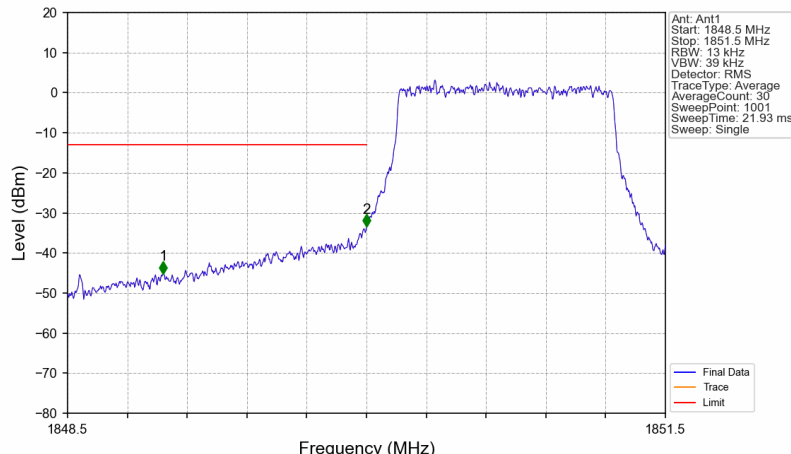
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Band2_1.4MHz_256QAM_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_256QAM_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	1848.980	-45.20	-13	Pass
1849	1850	0.013	/	2	1850.000	-33.46	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/

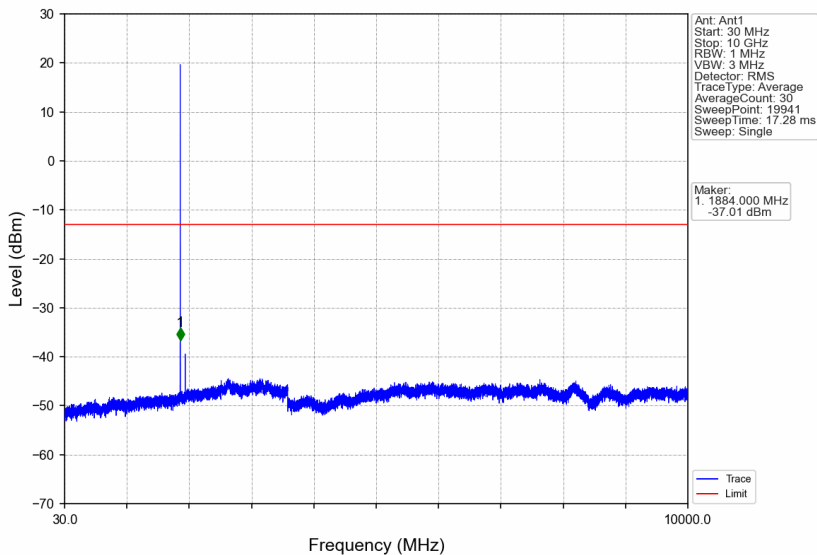


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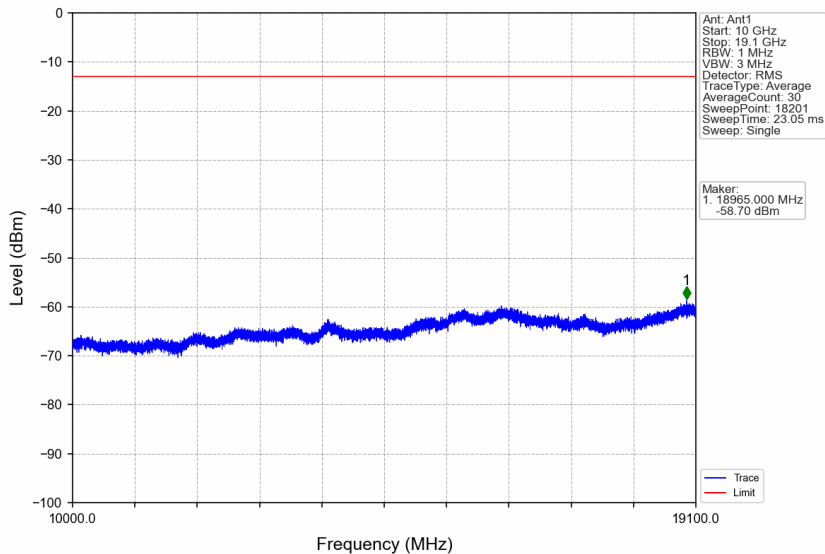
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Band2_1.4MHz_256QAM_MCH_1880MHz_RB_1_0_NTNV



Band2_1.4MHz_256QAM_MCH_1880MHz_RB_1_0_NTNV



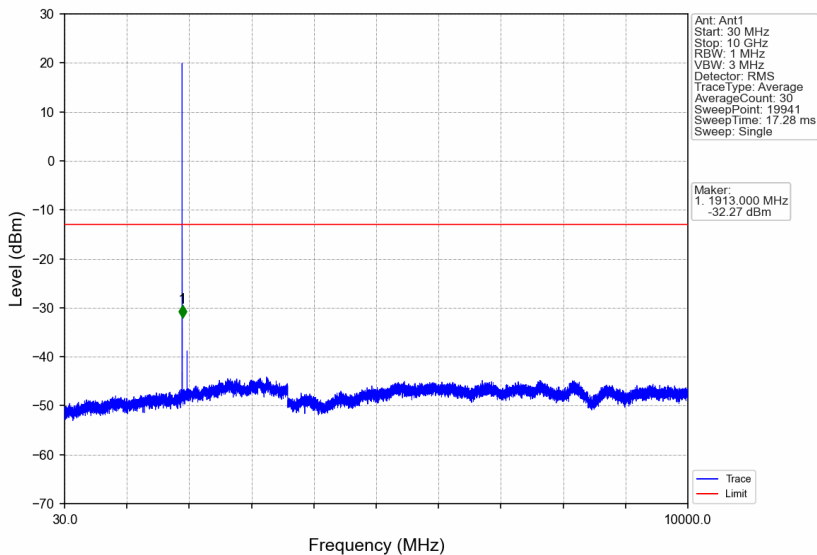
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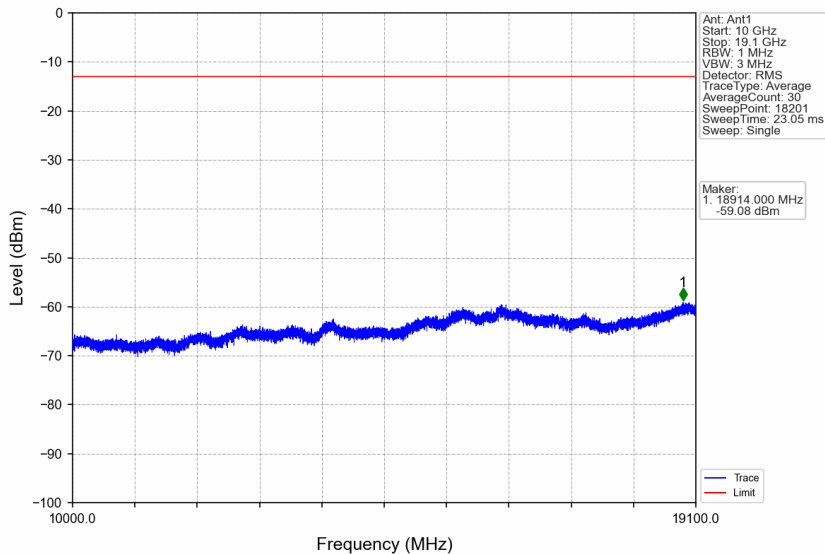
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Band2_1.4MHz_256QAM_HCH_1909.3MHz_RB_1_0_NTNV



Band2_1.4MHz_256QAM_HCH_1909.3MHz_RB_1_0_NTNV

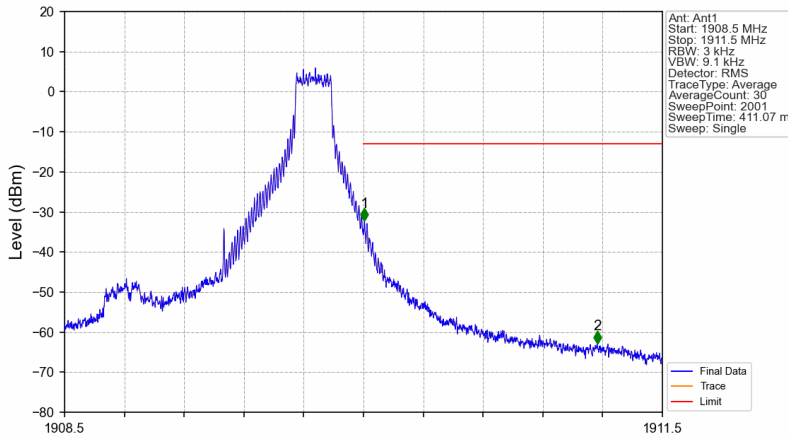


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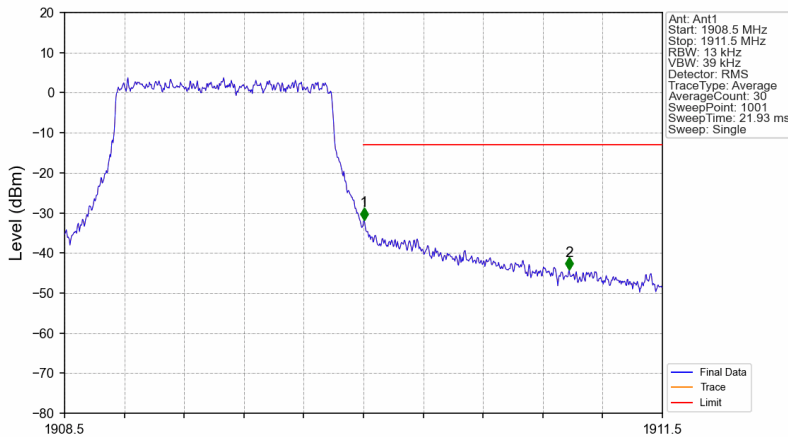
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Band2_1.4MHz_256QAM_HCH_1909.3MHz_RB_1_5_NTNV



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	-32.18	-13	Pass
1911	1911.5	1	/	2	1911.173	-62.82	-13	Pass

Band2_1.4MHz_256QAM_HCH_1909.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1908.5	1910	0.013	/	/	/	/	/	/
1910	1911	0.013	/	1	1910.003	-31.79	-13	Pass
1911	1911.5	1	/	2	1911.032	-44.23	-13	Pass



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5.2 B2_3MHz

5.2.1 Test Result

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
	1908.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1851.5	1	0	Refer To Test Graph		Pass
		15	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
			0	Refer To Test Graph		Pass
64QAM	1851.5	1	0	Refer To Test Graph		Pass
		15	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
			0	Refer To Test Graph		Pass
256QAM	1851.5	1	0	Refer To Test Graph		Pass
		15	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
			0	Refer To Test Graph		Pass



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