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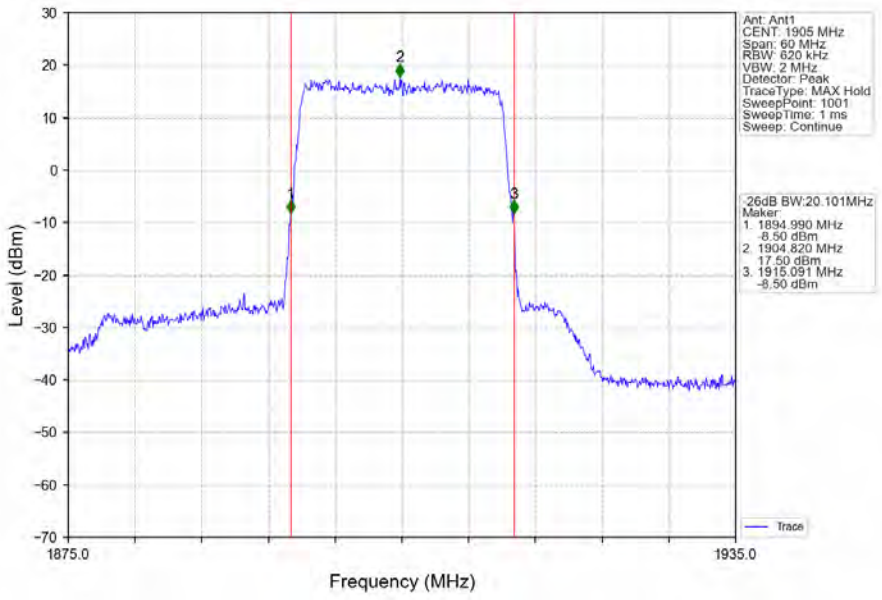
Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV

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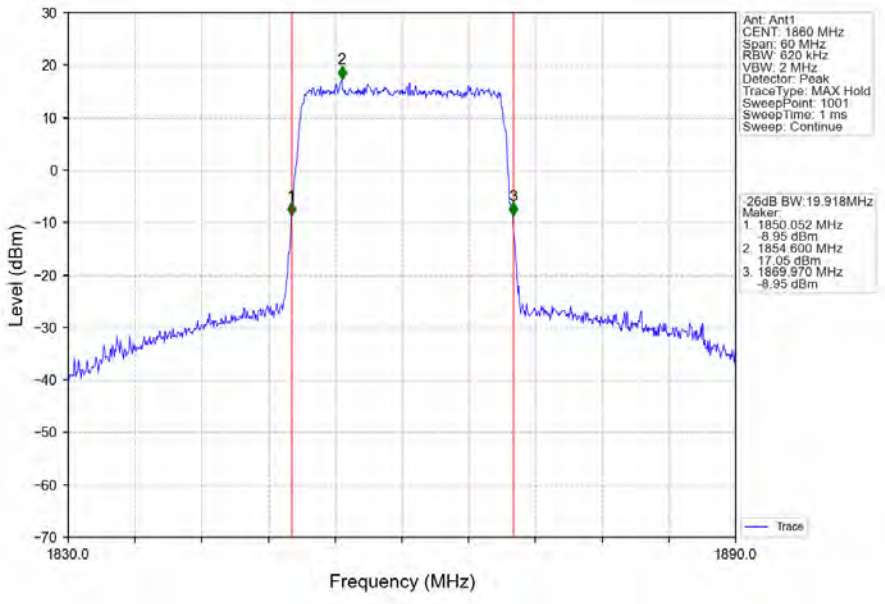

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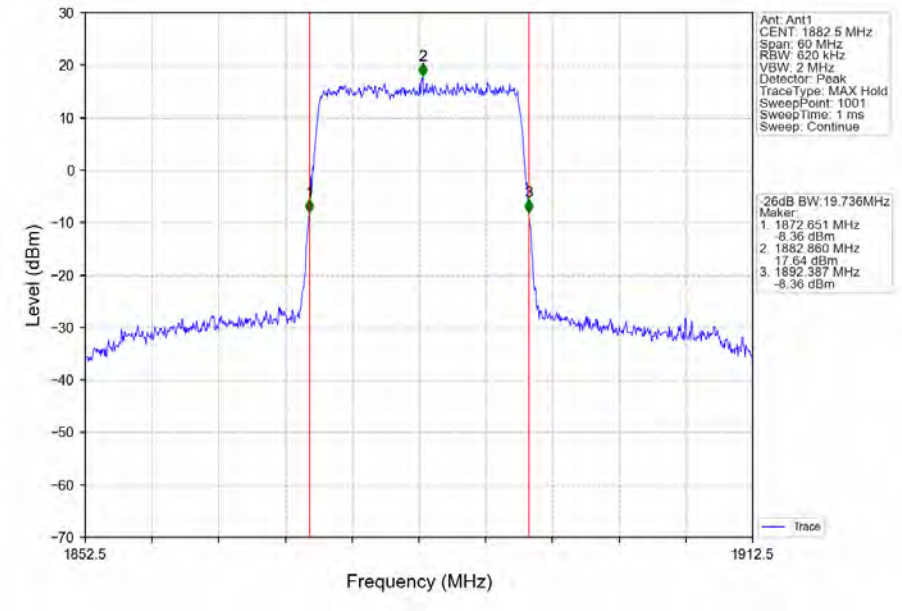
Band25_20MHz_16QAM_MCH_1882.5MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV

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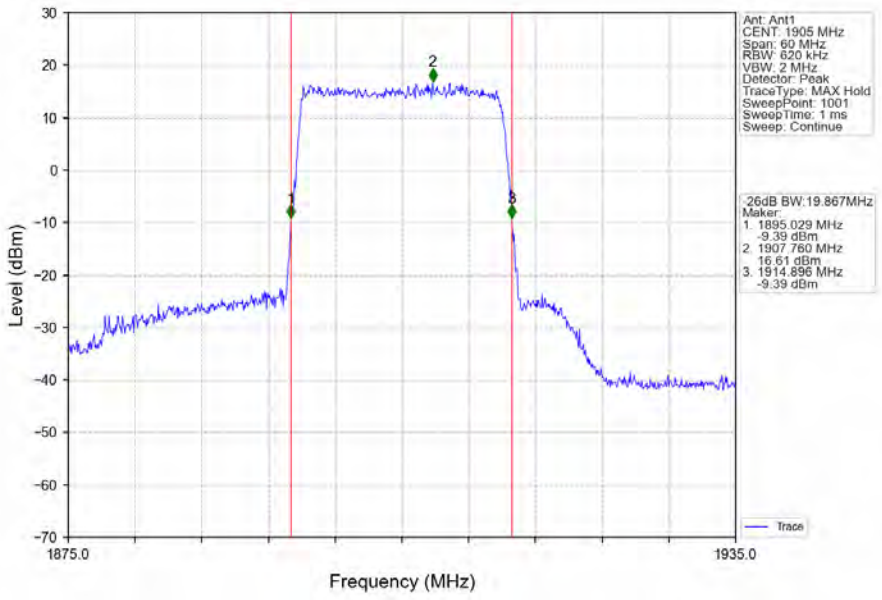

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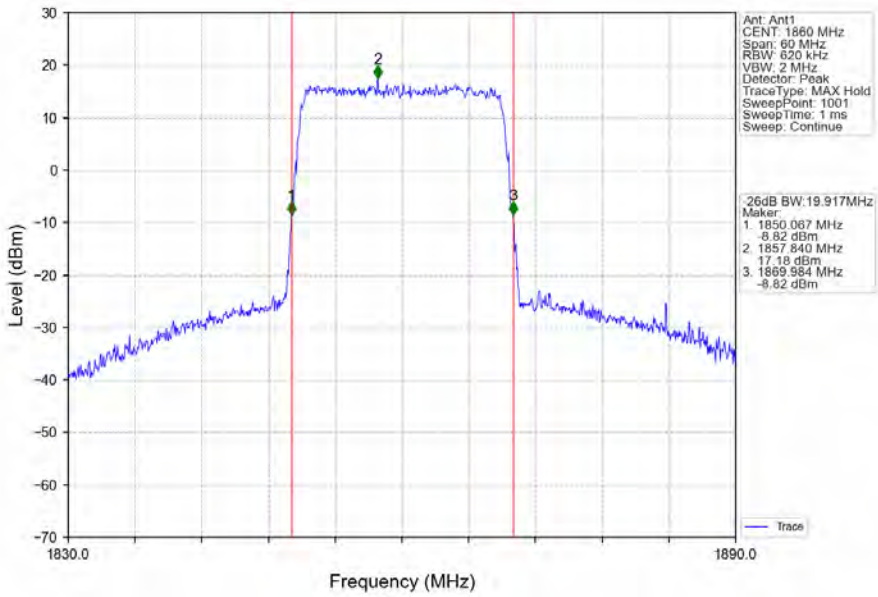
Band25_20MHz_64QAM_LCH_1860MHz_RB_100_0_NTNV



Band25_20MHz_64QAM_MCH_1882.5MHz_RB_100_0_NTNV

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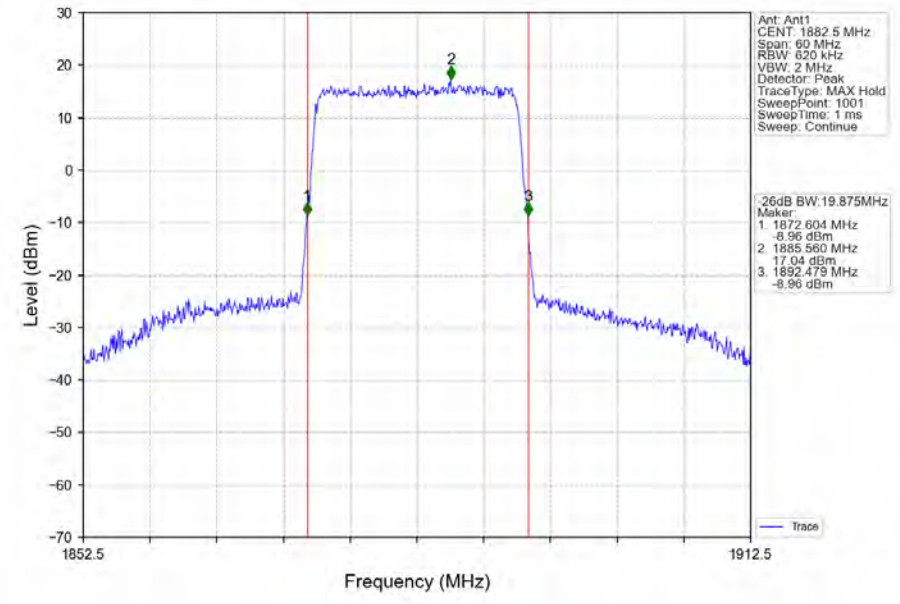

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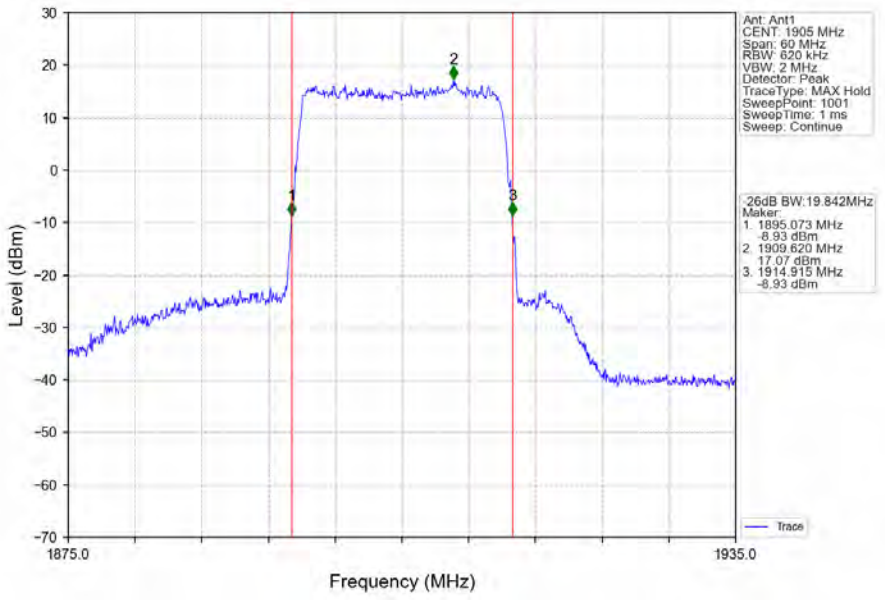
Band25_20MHz_64QAM_HCH_1905MHz_RB_100_0_NTNV



Band25_20MHz_256QAM_LCH_1860MHz_RB_100_0_NTNV

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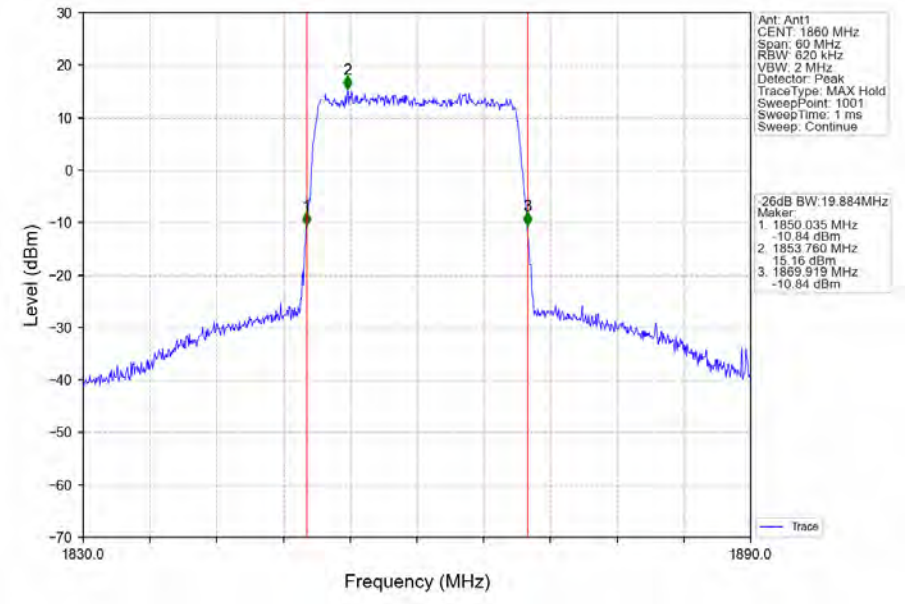

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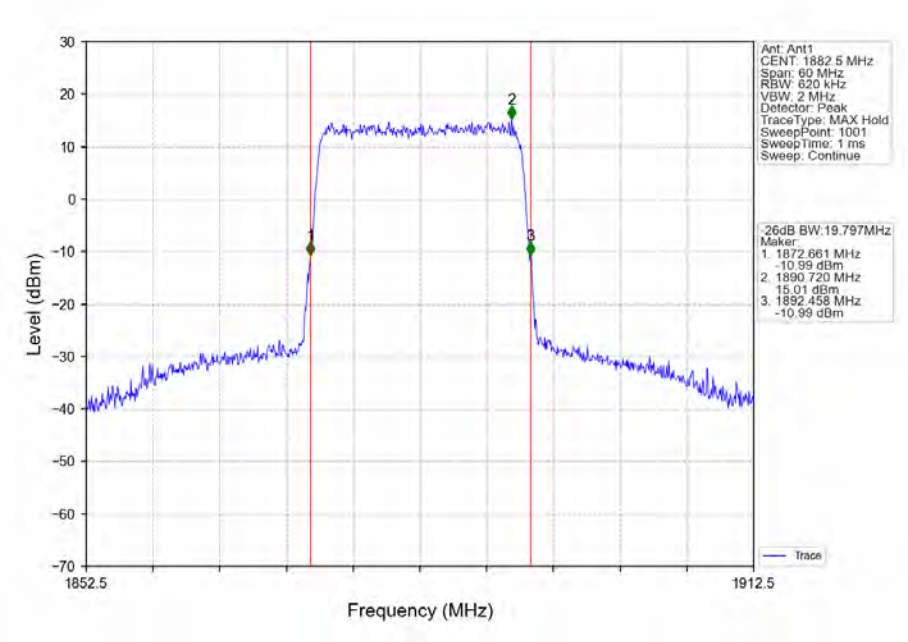

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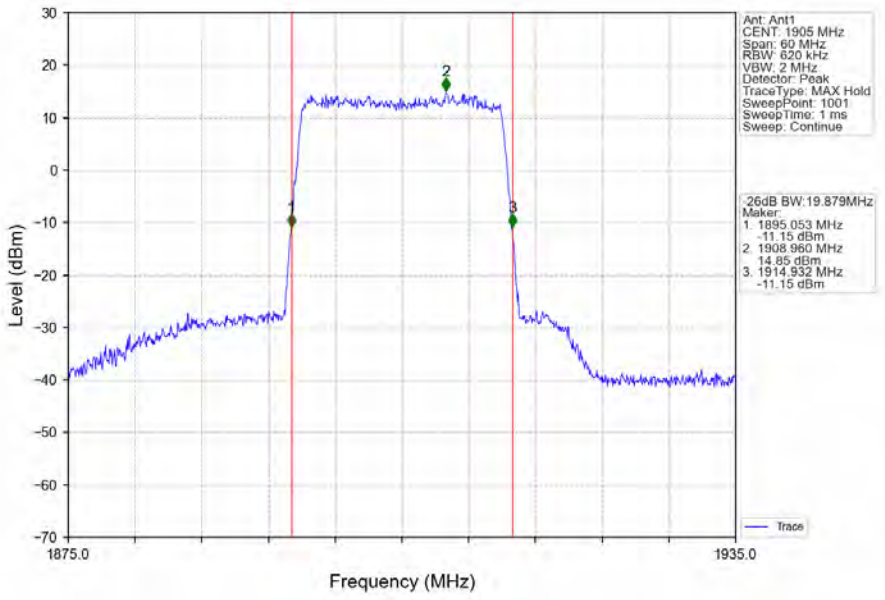

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4. Peak-Average Ratio

4.1 B25_1.4MHz

4.1.1 Test Result

Band: 25 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	5.12	<=13	Pass
	1882.5	6	0	5.10	<=13	Pass
	1914.3	6	0	4.89	<=13	Pass
16QAM	1850.7	6	0	6.02	<=13	Pass
	1882.5	6	0	5.89	<=13	Pass
	1914.3	6	0	5.75	<=13	Pass
64QAM	1850.7	6	0	6.55	<=13	Pass
	1882.5	6	0	6.88	<=13	Pass
	1914.3	6	0	6.28	<=13	Pass
256QAM	1850.7	6	0	6.79	<=13	Pass
	1882.5	6	0	6.94	<=13	Pass
	1914.3	6	0	6.78	<=13	Pass

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4.1.2 Test Graph

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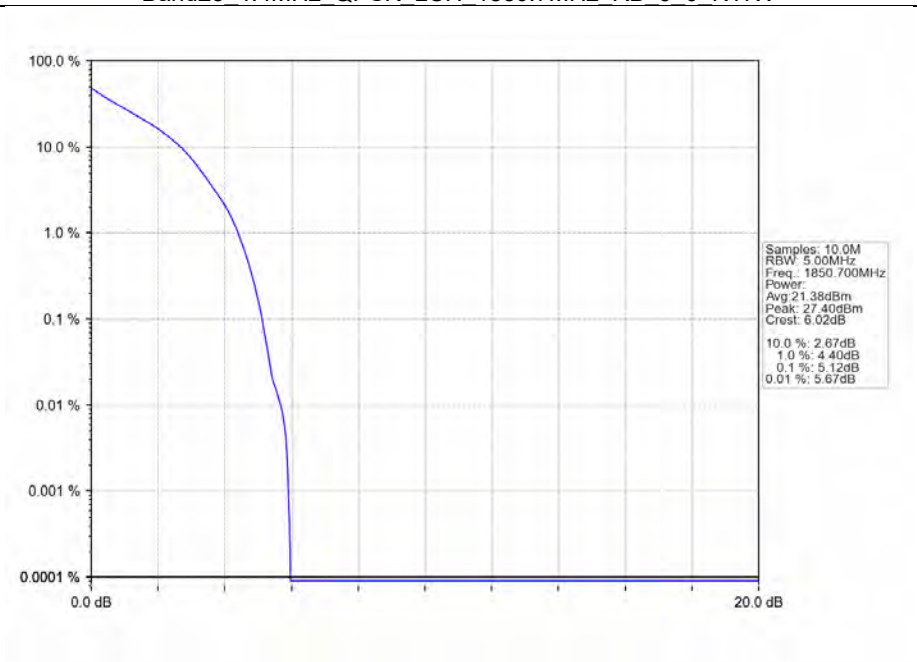

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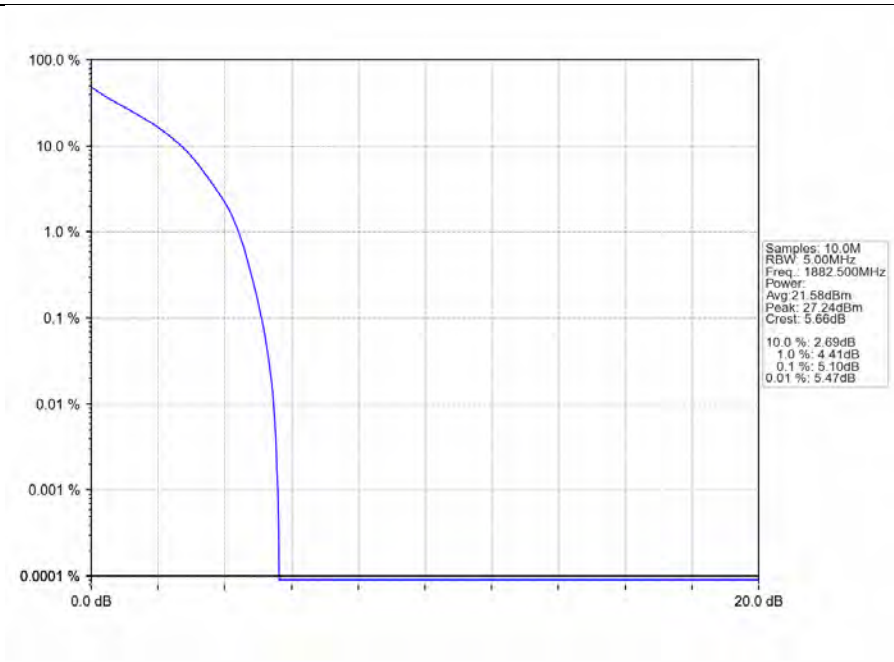

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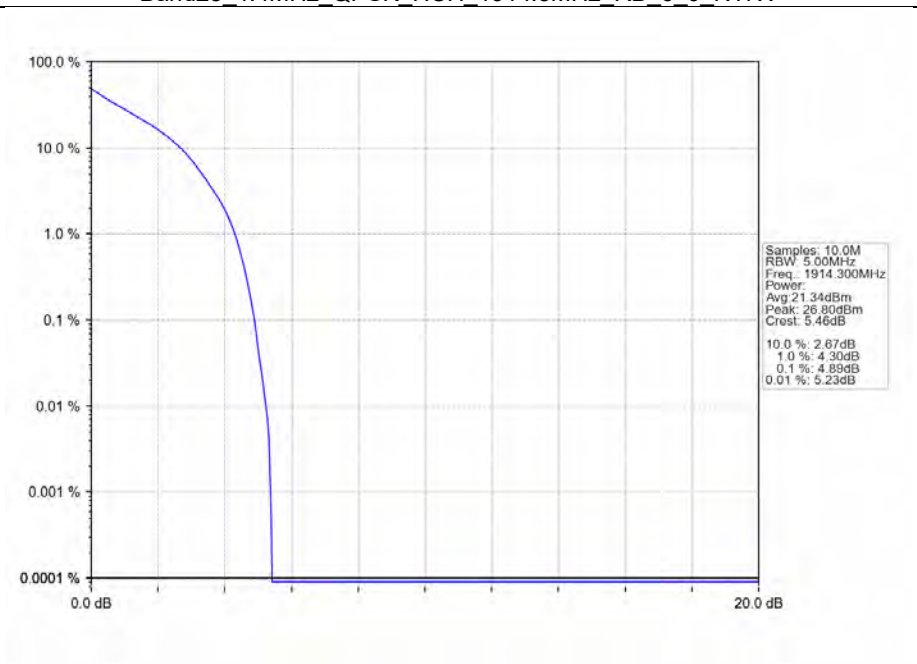

Band25_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV

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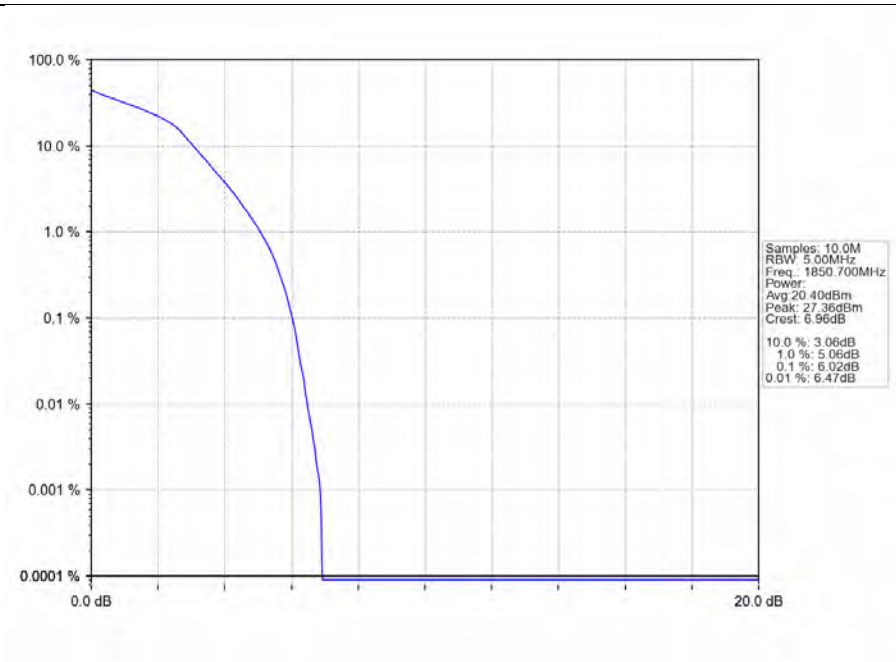

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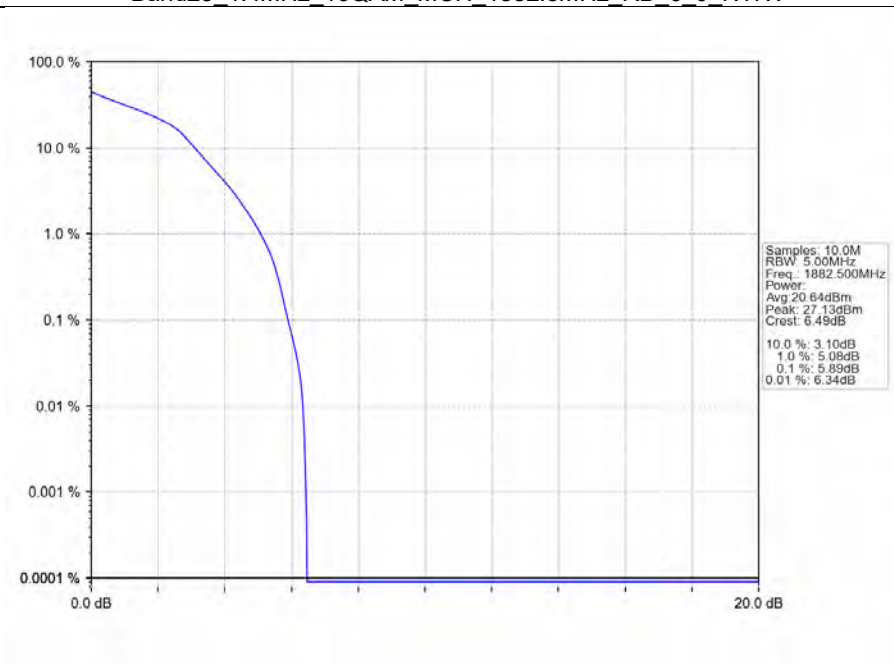
Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_6_0_NTNV



Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV

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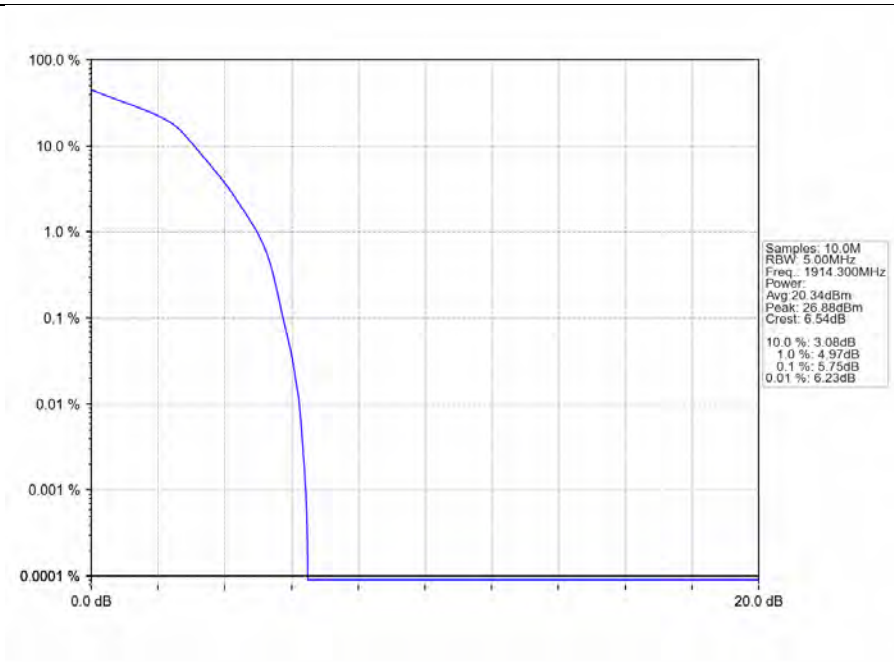

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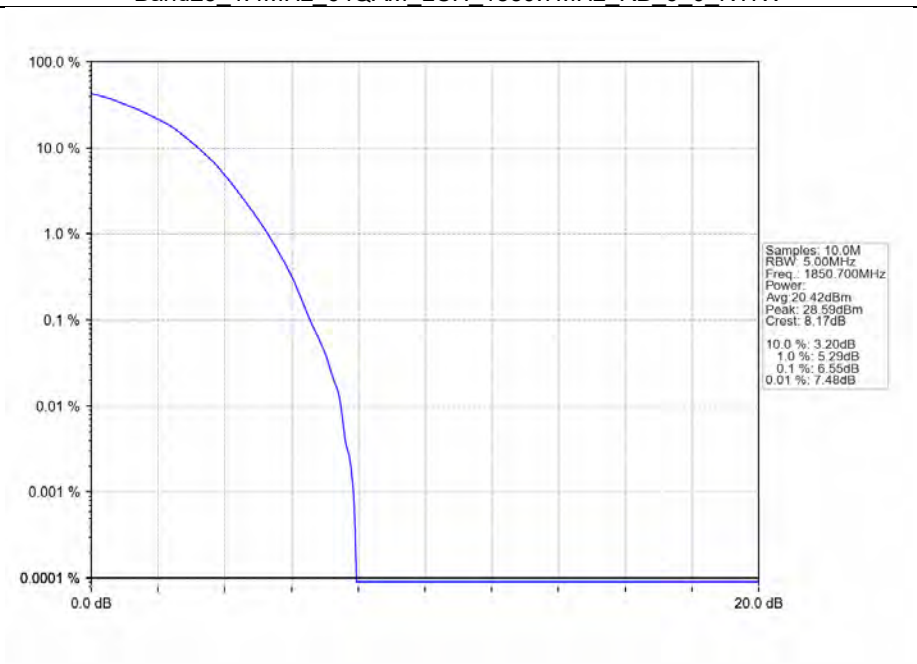
Band25_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV



Band25_1.4MHz_64QAM_MCH_1882.5MHz_RB_6_0_NTNV

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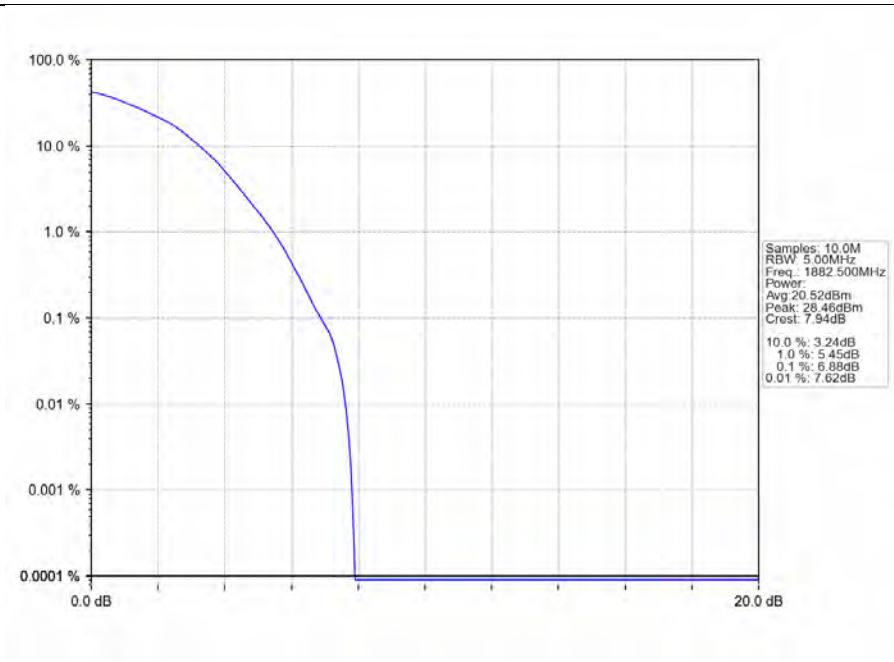

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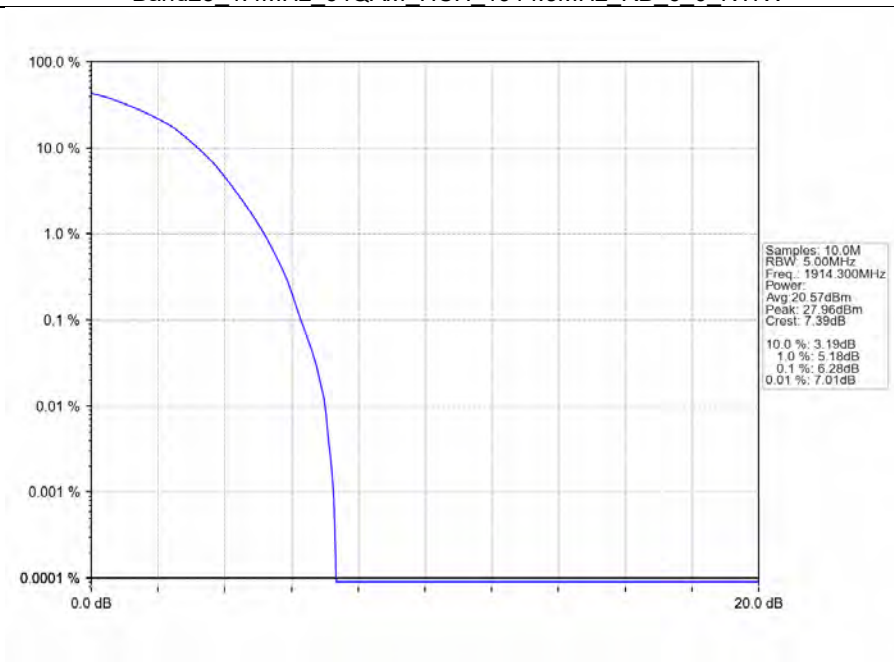

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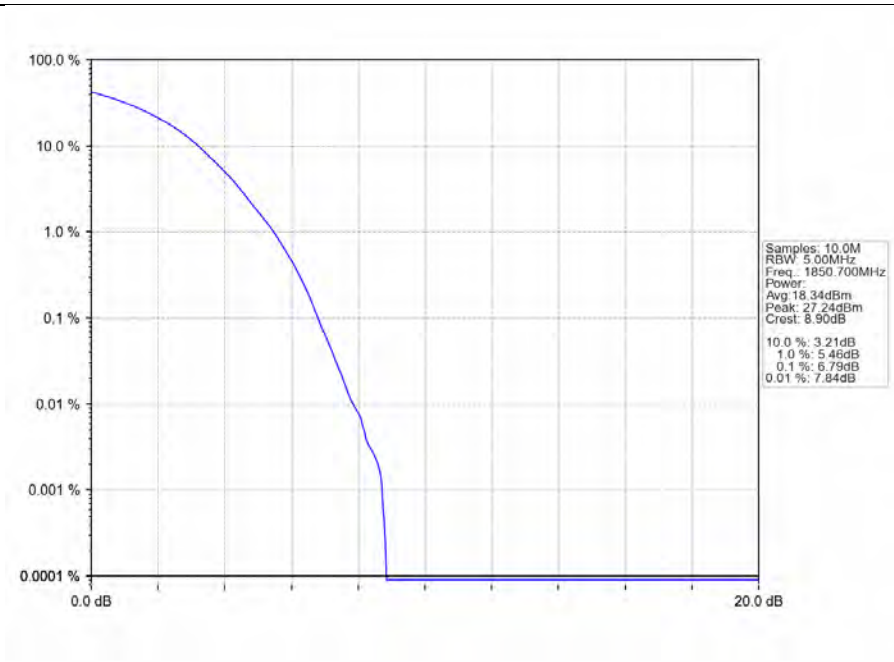

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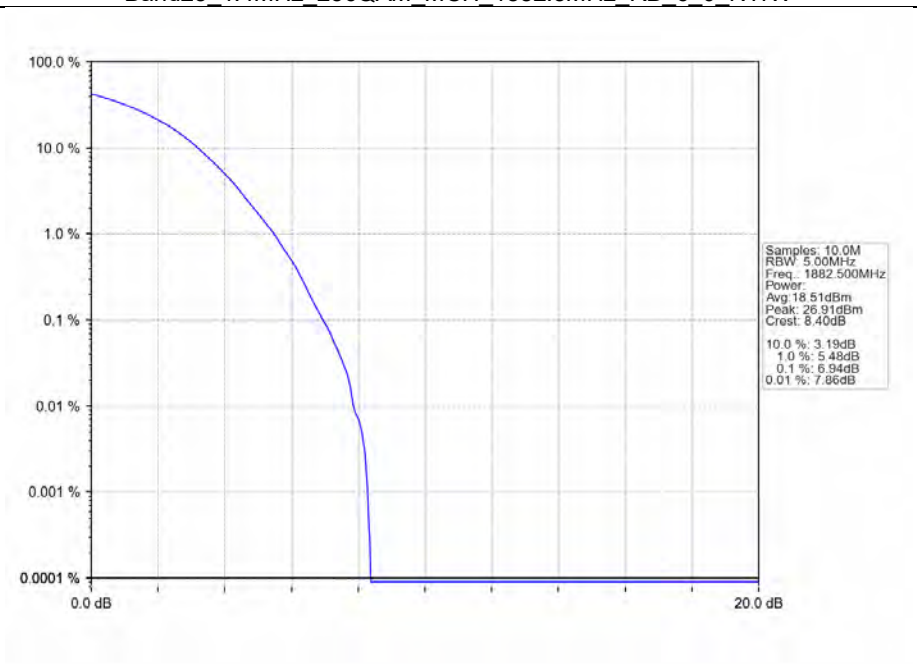

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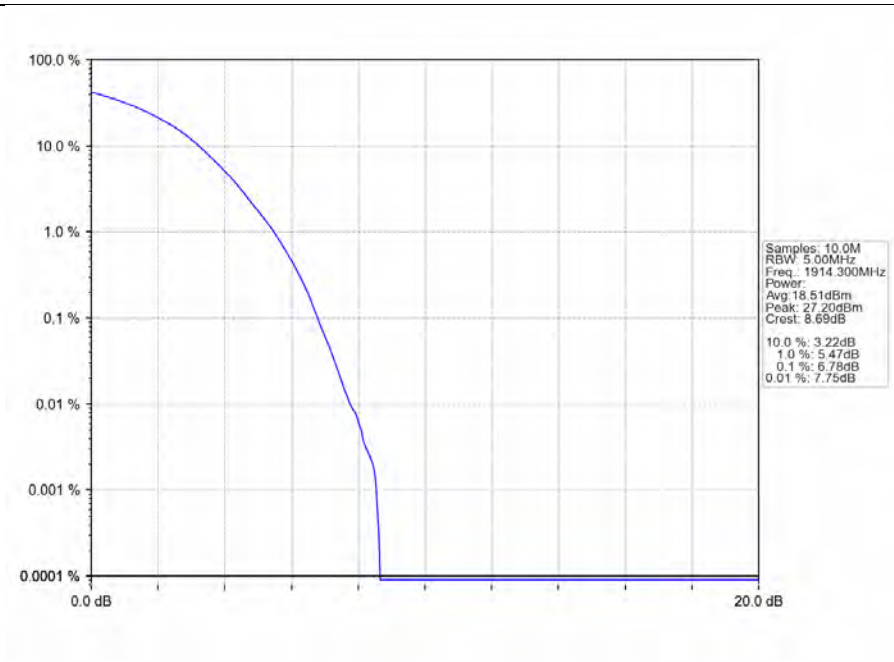

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4.2 B25_3MHz

4.2.1 Test Result

Band: 25 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	5.11	<=13	Pass
	1882.5	15	0	5.03	<=13	Pass
	1913.5	15	0	4.98	<=13	Pass
16QAM	1851.5	15	0	5.96	<=13	Pass
	1882.5	15	0	5.91	<=13	Pass
	1913.5	15	0	5.84	<=13	Pass
64QAM	1851.5	15	0	6.76	<=13	Pass
	1882.5	15	0	6.83	<=13	Pass
	1913.5	15	0	6.56	<=13	Pass
256QAM	1851.5	15	0	6.87	<=13	Pass
	1882.5	15	0	6.99	<=13	Pass
	1913.5	15	0	6.86	<=13	Pass

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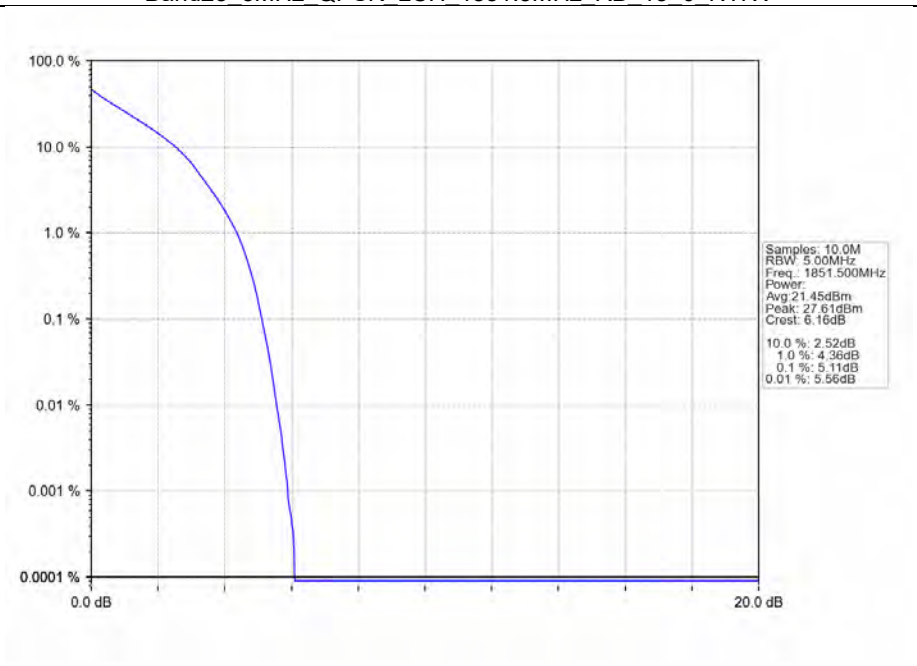
4.2.2 Test Graph

Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



Band25_3MHz_QPSK_MCH_1882.5MHz_RB_15_0_NTNV

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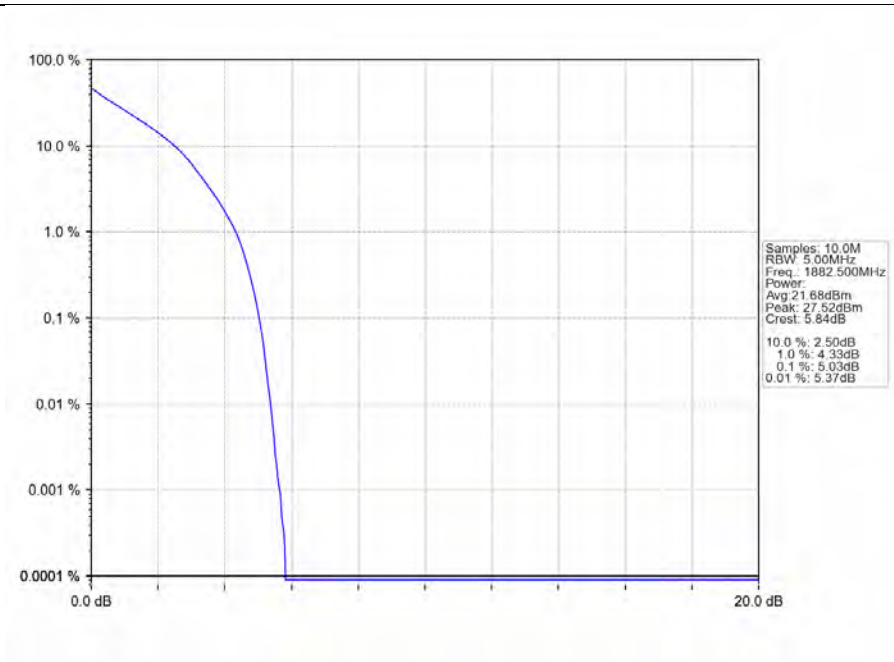

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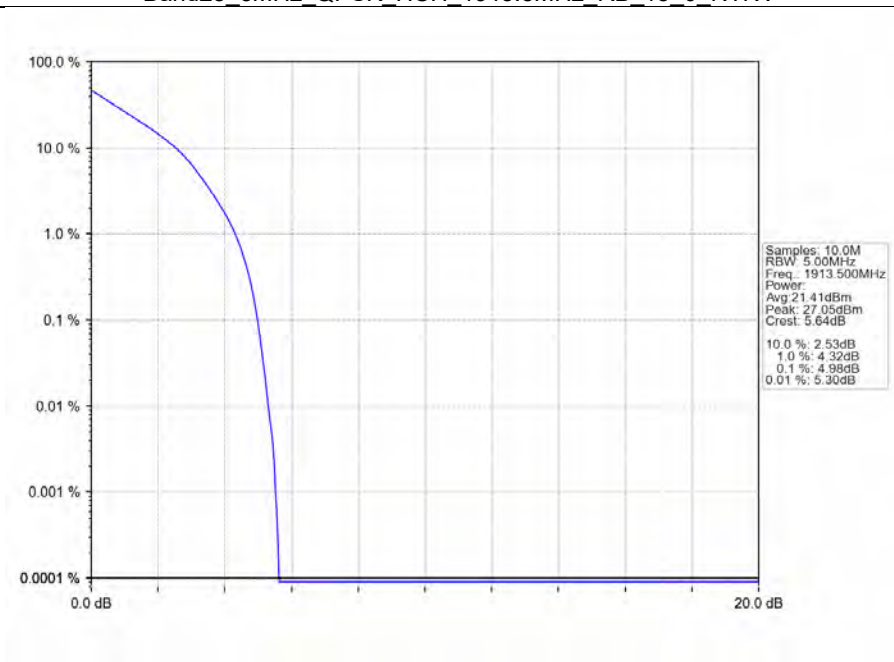

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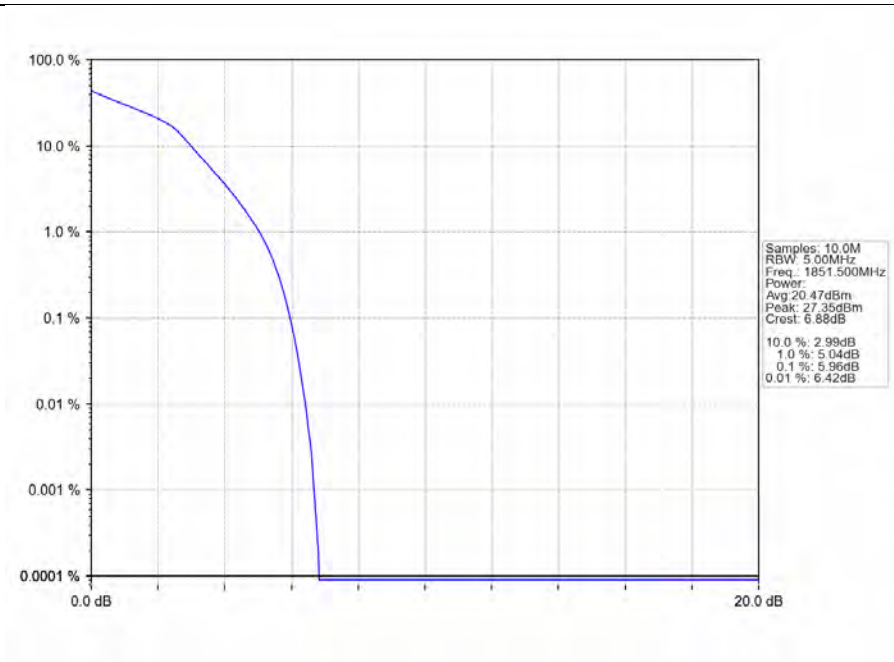

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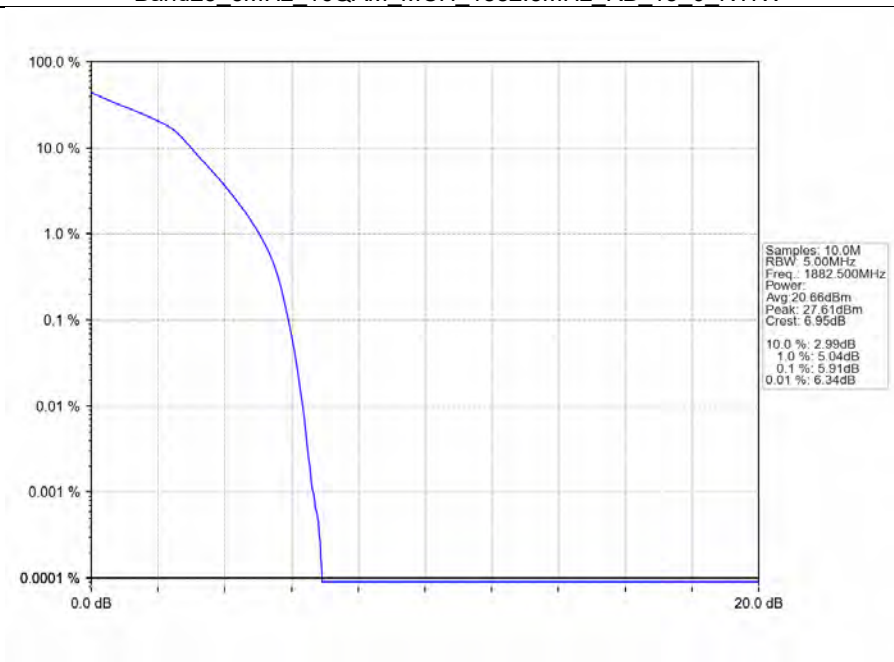
Band25_3MHz_16QAM_MCH_1882.5MHz_RB_15_0_NTNV



Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV

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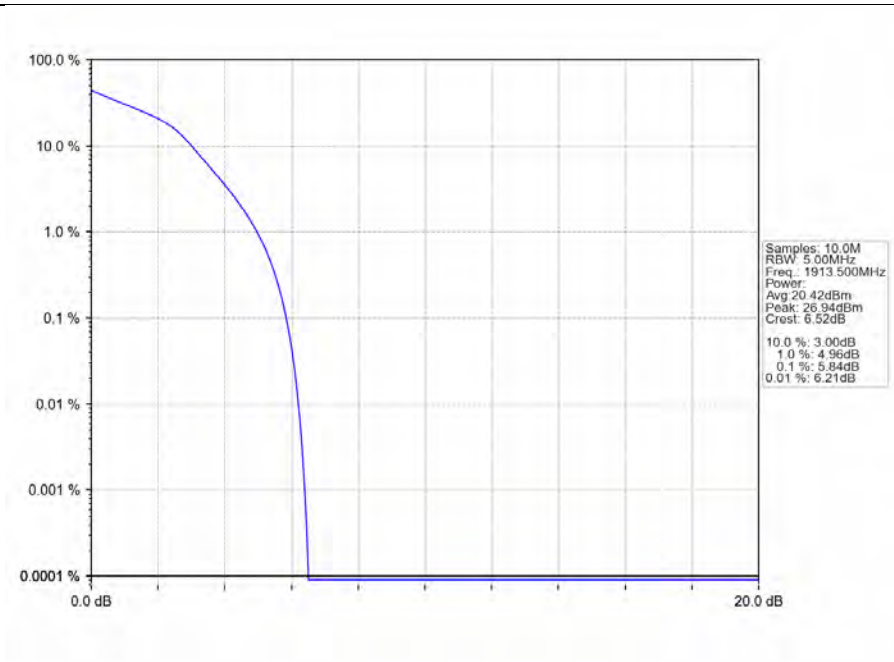

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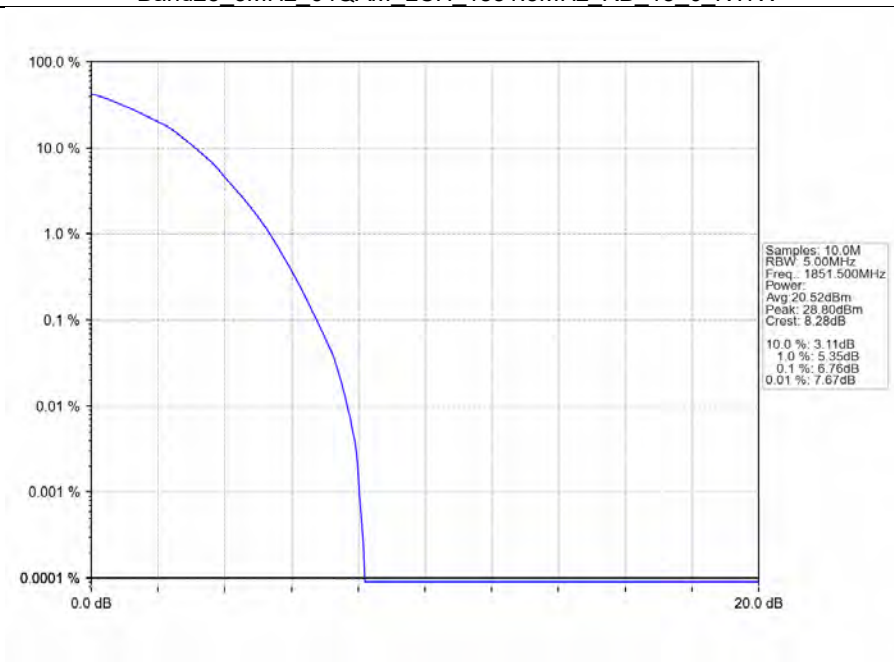
Band25_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



Band25_3MHz_64QAM_MCH_1882.5MHz_RB_15_0_NTNV

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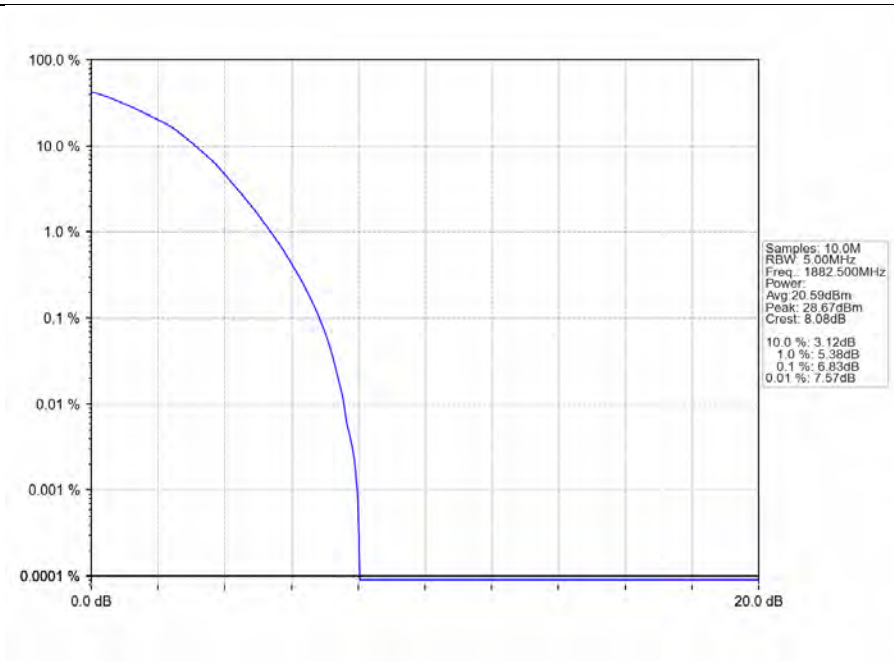

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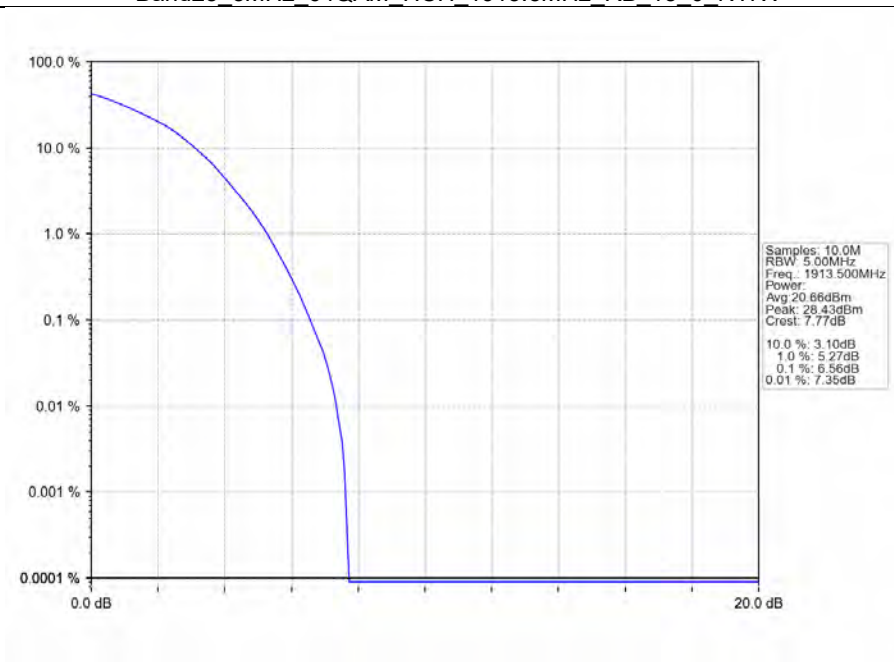
Band25_3MHz_64QAM_HCH_1913.5MHz_RB_15_0_NTNV



Band25_3MHz_256QAM_LCH_1851.5MHz_RB_15_0_NTNV

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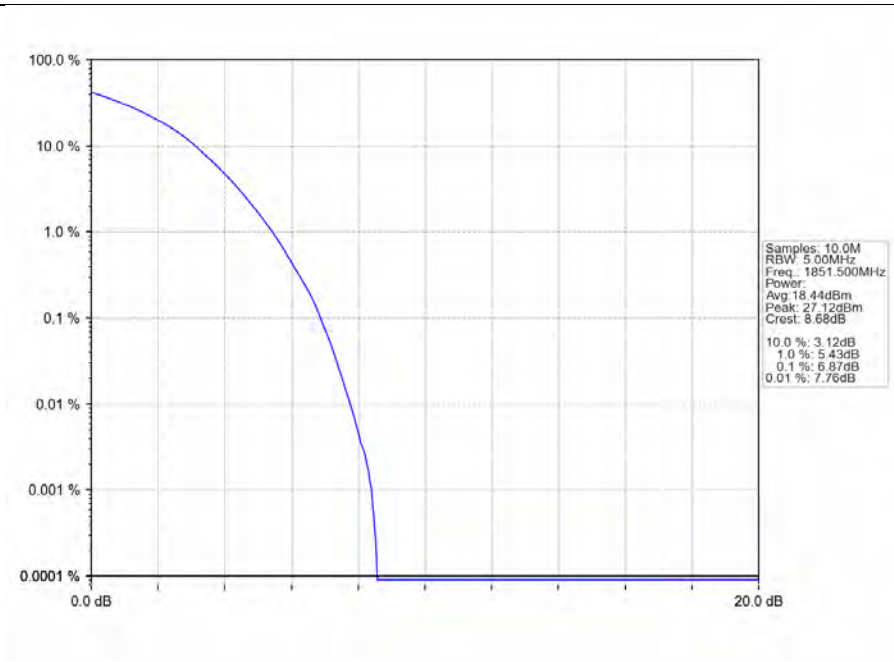

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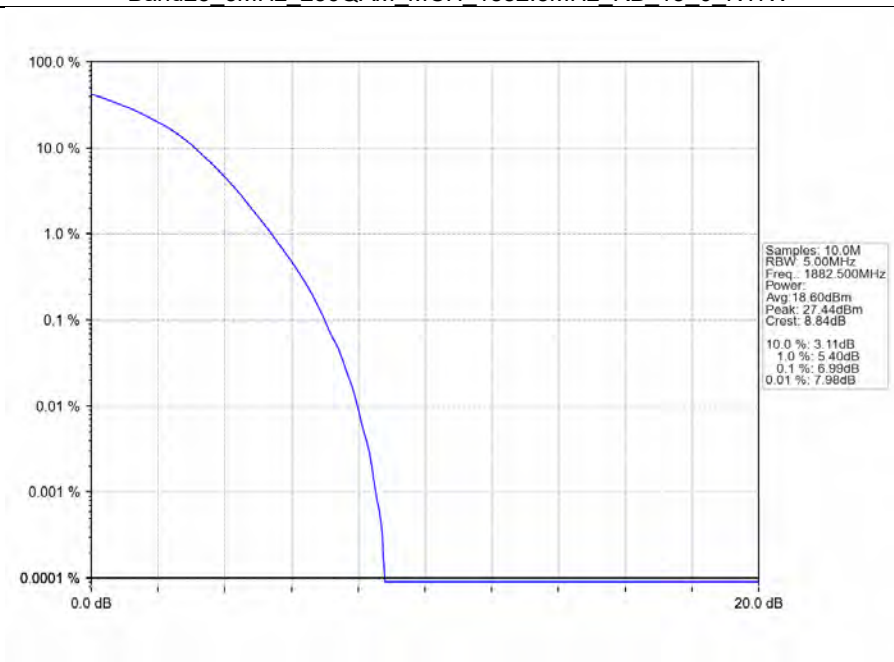

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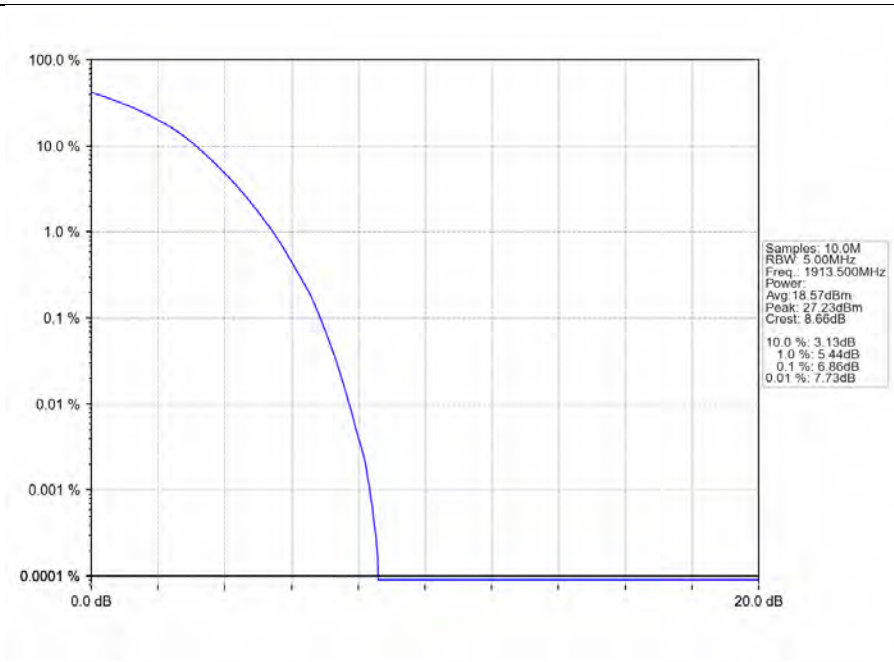

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4.3 B25_5MHz

4.3.1 Test Result

Band: 25 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.24	<=13	Pass
	1882.5	25	0	5.21	<=13	Pass
	1912.5	25	0	5.11	<=13	Pass
16QAM	1852.5	25	0	6.01	<=13	Pass
	1882.5	25	0	5.98	<=13	Pass
	1912.5	25	0	5.93	<=13	Pass
64QAM	1852.5	25	0	6.74	<=13	Pass
	1882.5	25	0	6.79	<=13	Pass
	1912.5	25	0	6.60	<=13	Pass
256QAM	1852.5	25	0	6.94	<=13	Pass
	1882.5	25	0	6.92	<=13	Pass
	1912.5	25	0	6.93	<=13	Pass

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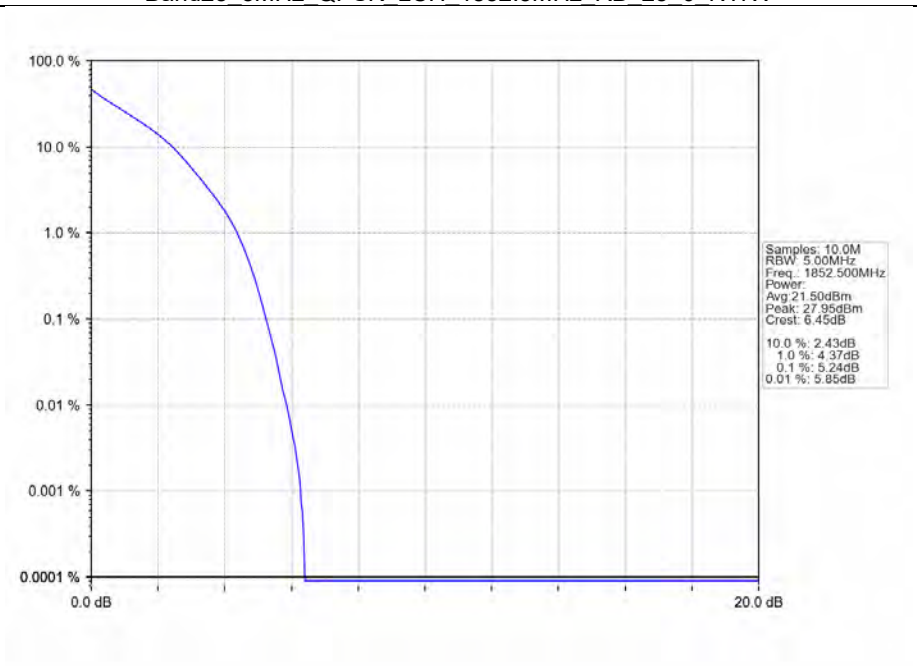
4.3.2 Test Graph

Band25_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



Band25_5MHz_QPSK_MCH_1882.5MHz_RB_25_0_NTNV

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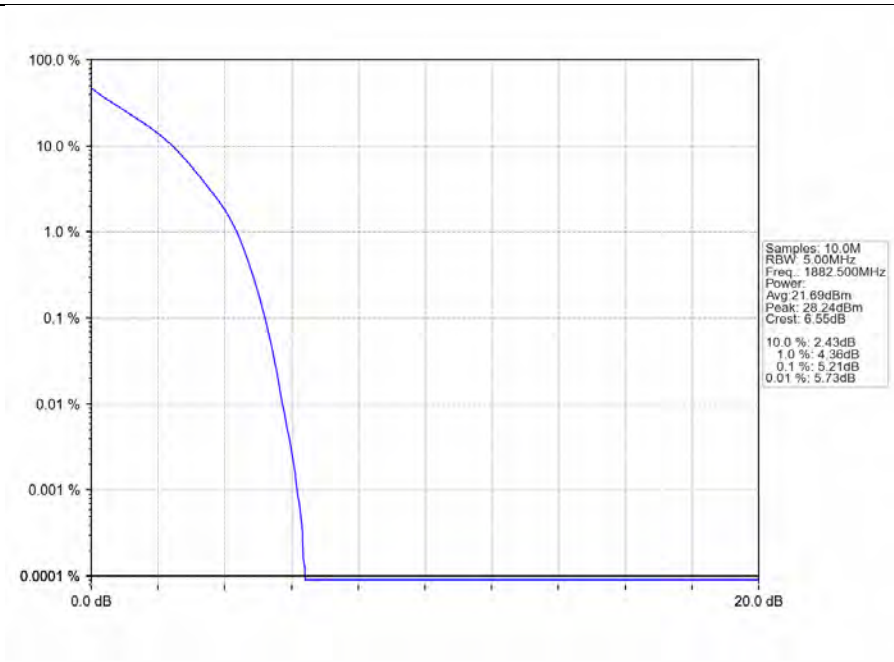

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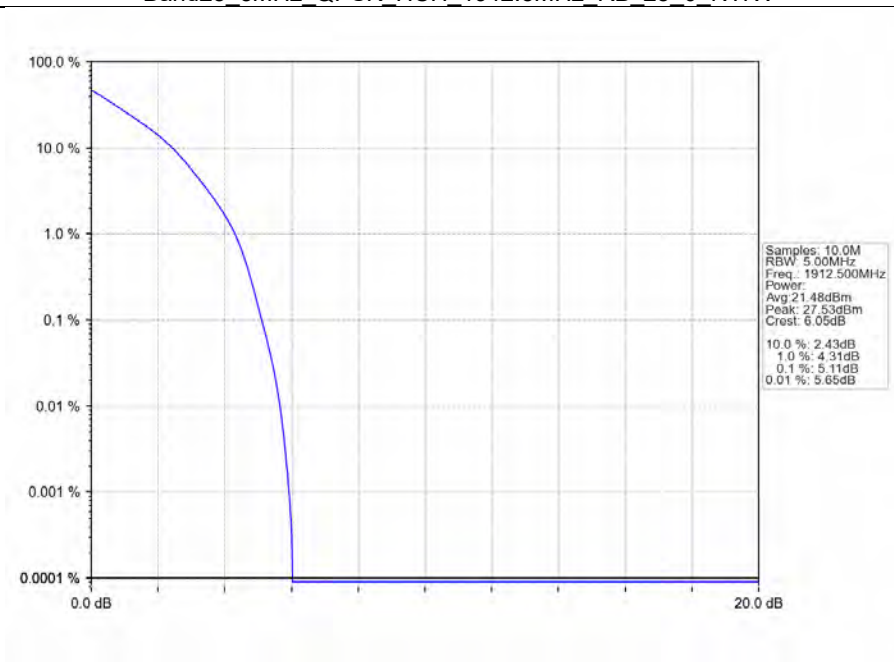

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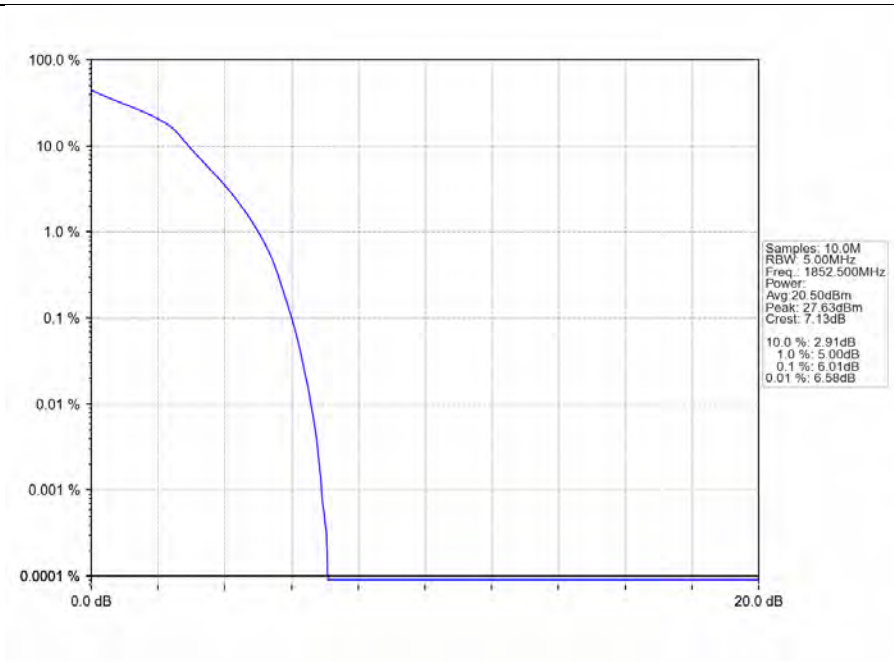

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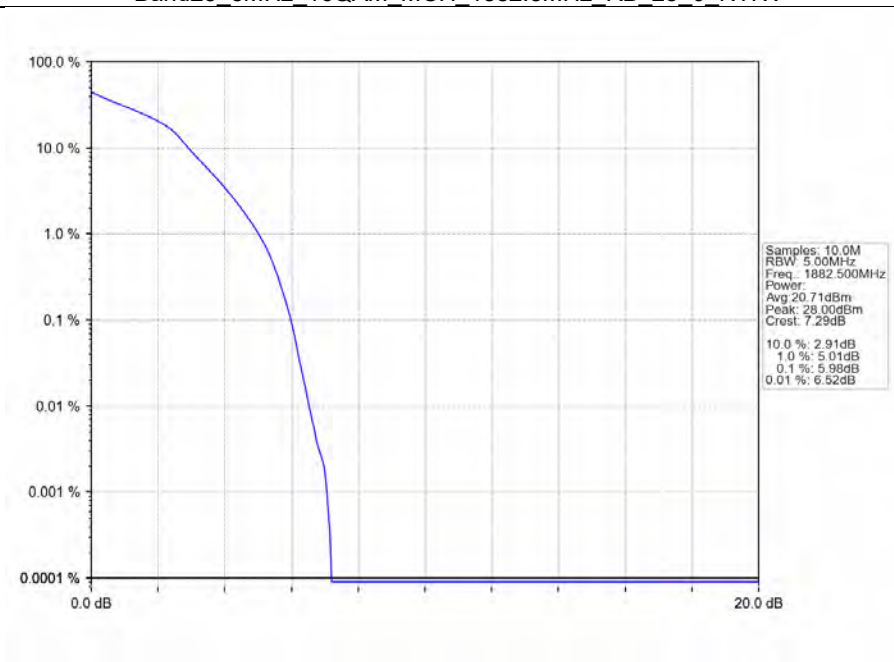
Band25_5MHz_16QAM_MCH_1882.5MHz_RB_25_0_NTNV



Band25_5MHz_16QAM_HCH_1912.5MHz_RB_25_0_NTNV

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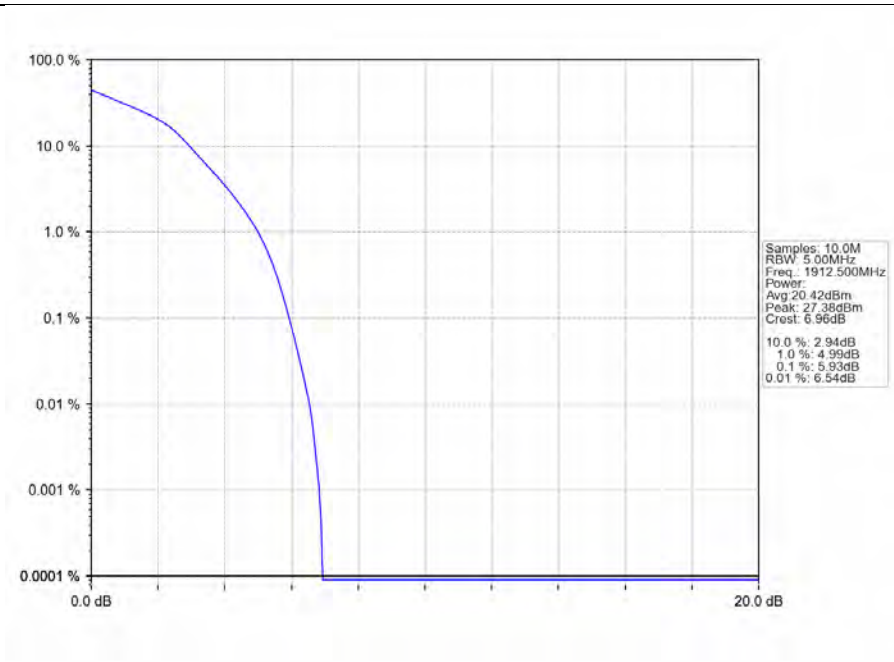

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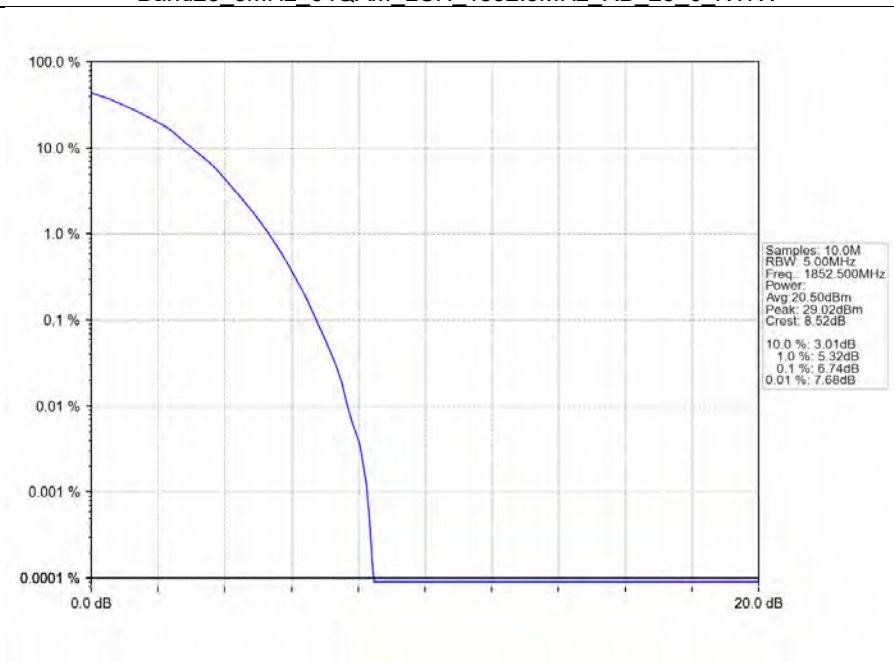
Band25_5MHz_64QAM_LCH_1852.5MHz_RB_25_0_NTNV



Band25_5MHz_64QAM_MCH_1882.5MHz_RB_25_0_NTNV

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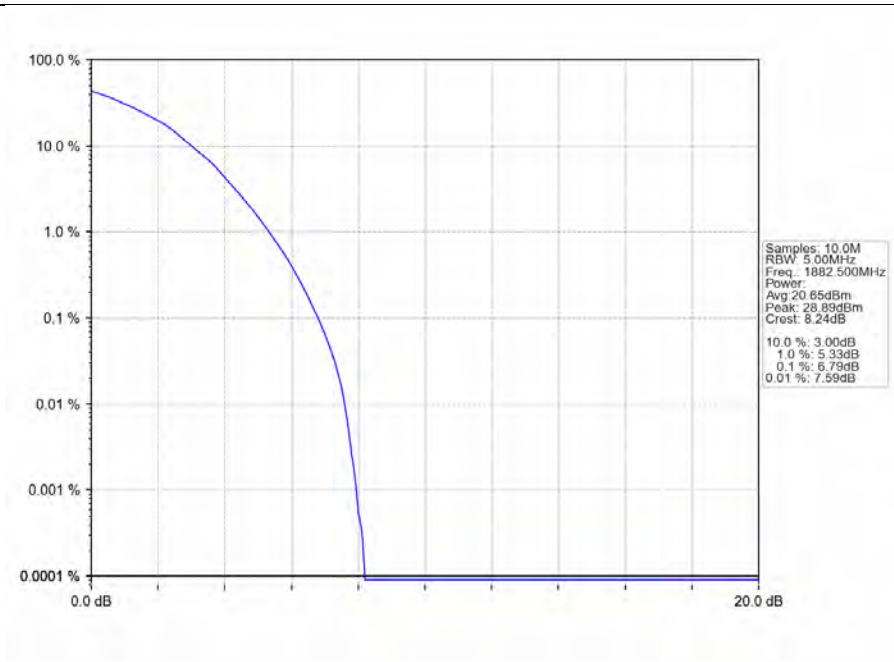

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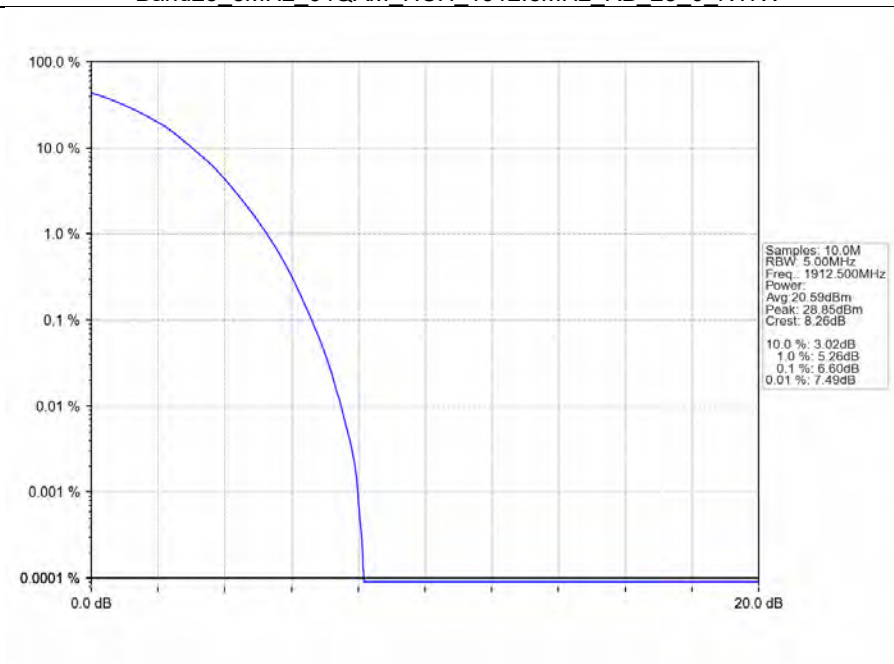

Band25_5MHz_256QAM_LCH_1852.5MHz_RB_25_0_NTNV

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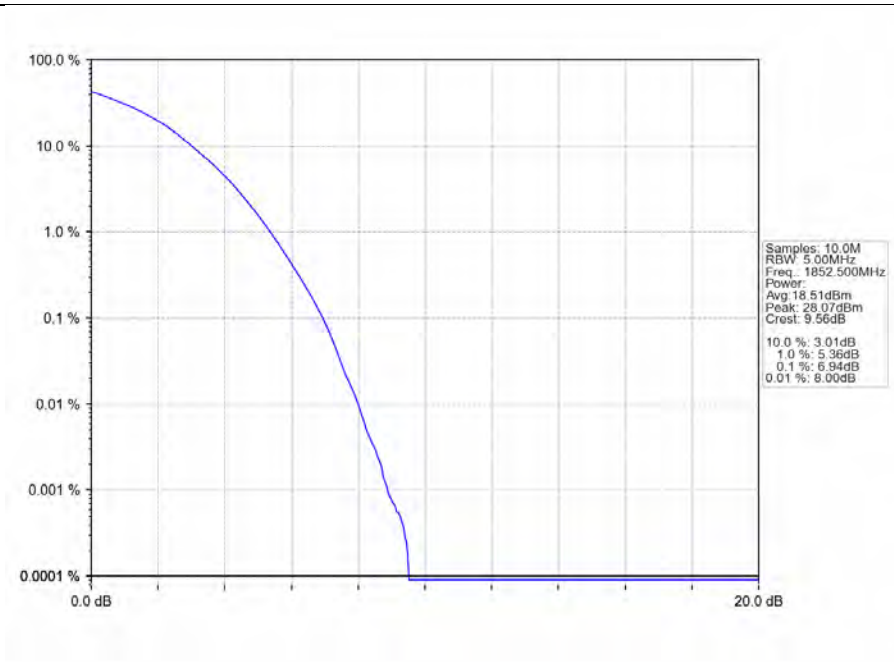

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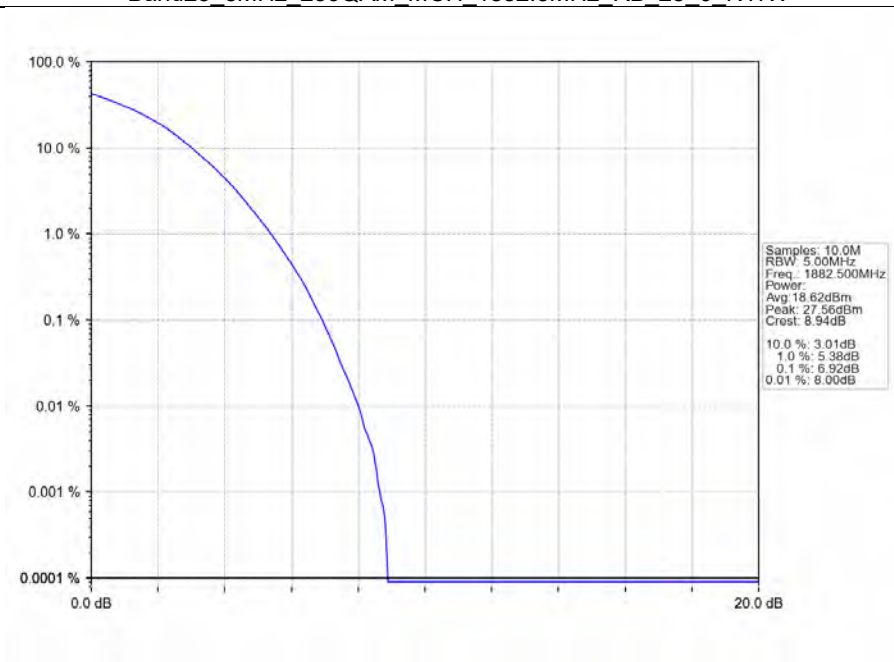

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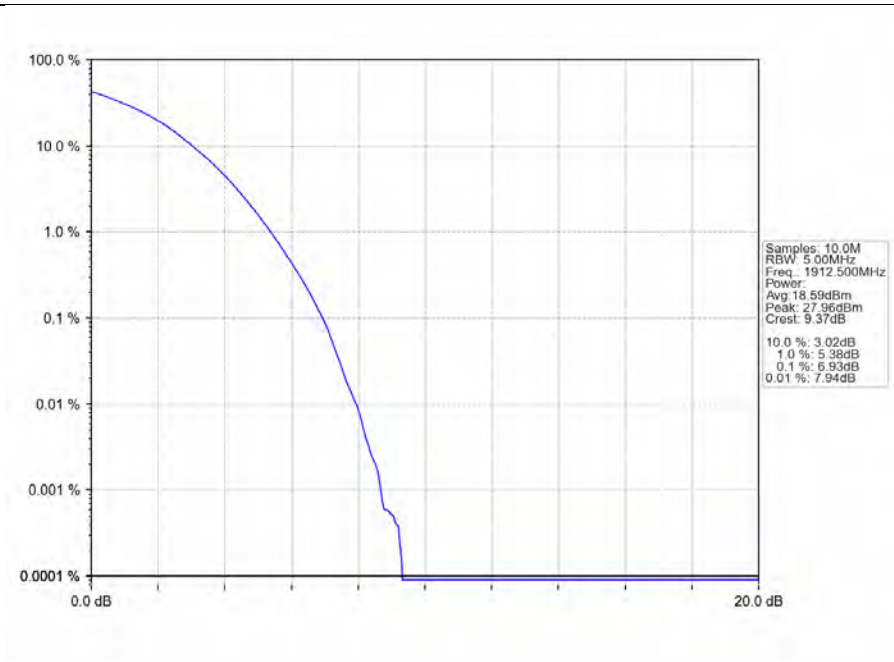

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4.4 B25_10MHz

4.4.1 Test Result

Band: 25 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.23	<=13	Pass
	1882.5	50	0	5.21	<=13	Pass
	1910	50	0	5.13	<=13	Pass
16QAM	1855	50	0	6.02	<=13	Pass
	1882.5	50	0	6.01	<=13	Pass
	1910	50	0	5.92	<=13	Pass
64QAM	1855	50	0	6.76	<=13	Pass
	1882.5	50	0	6.72	<=13	Pass
	1910	50	0	6.58	<=13	Pass
256QAM	1855	50	0	6.83	<=13	Pass
	1882.5	50	0	6.92	<=13	Pass
	1910	50	0	6.70	<=13	Pass

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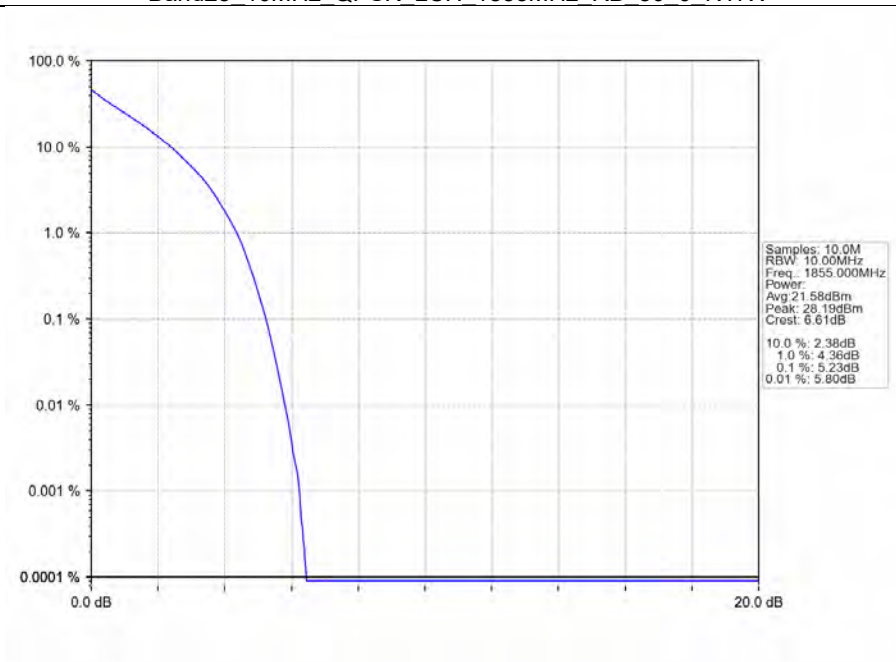
4.4.2 Test Graph

Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



Band25_10MHz_QPSK_MCH_1882.5MHz_RB_50_0_NTNV

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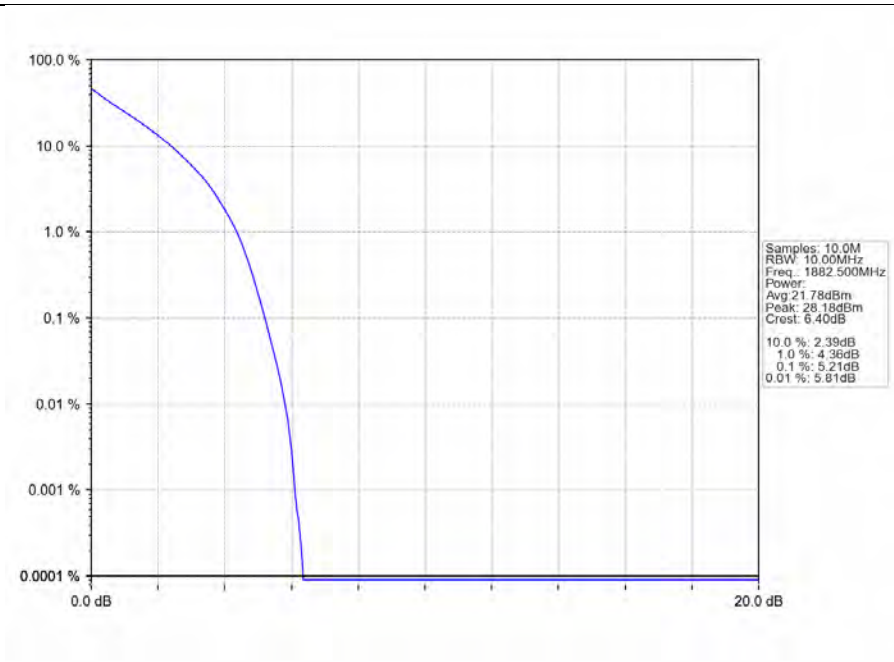

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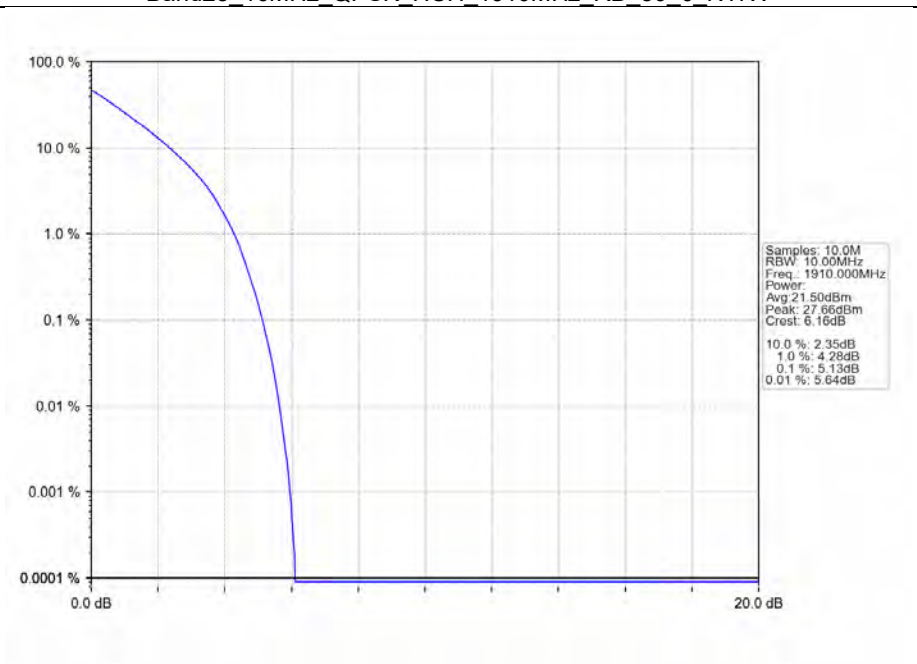

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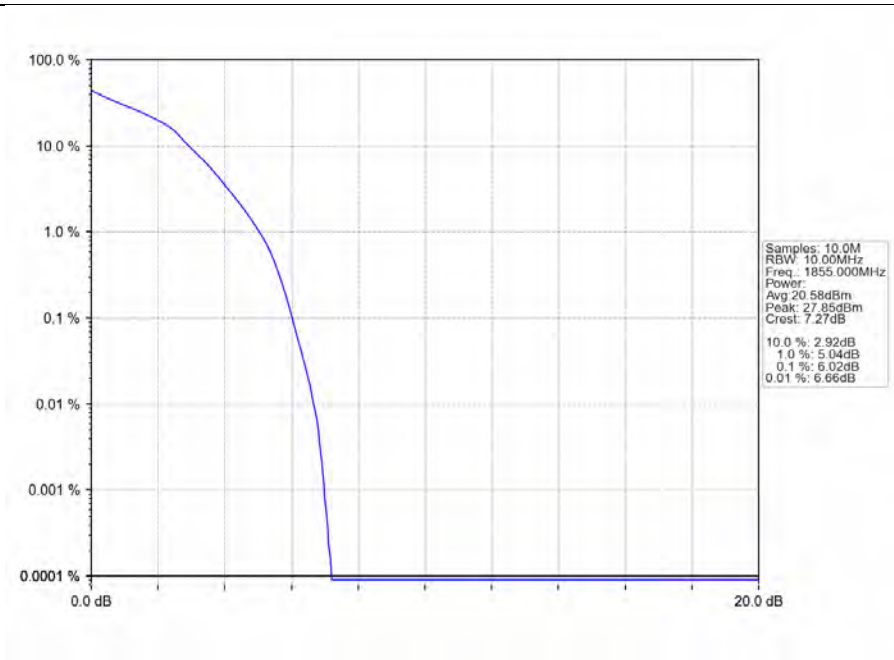

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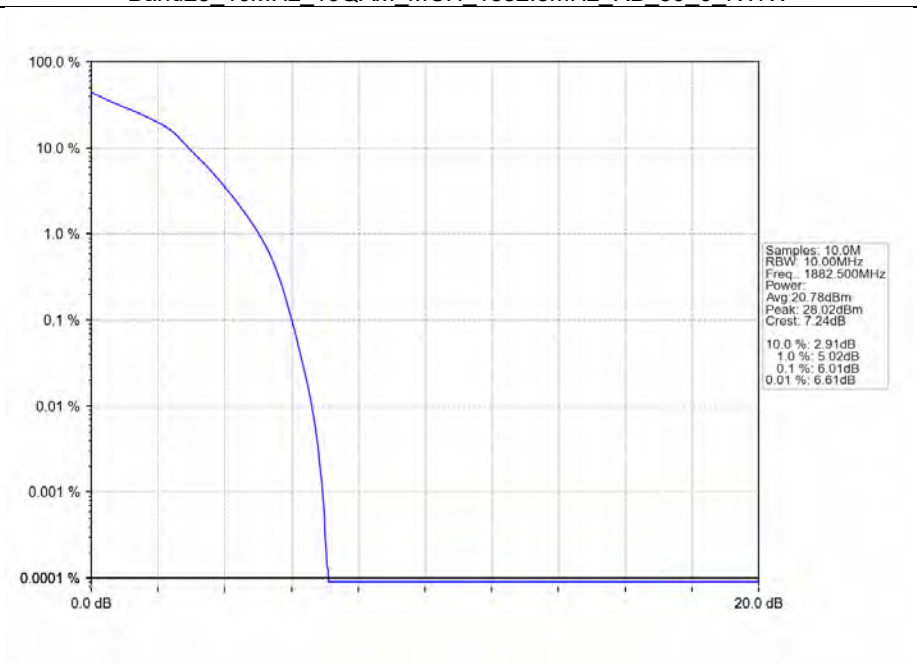
Band25_10MHz_16QAM_MCH_1882.5MHz_RB_50_0_NTNV



Band25_10MHz_16QAM_HCH_1910MHz_RB_50_0_NTNV

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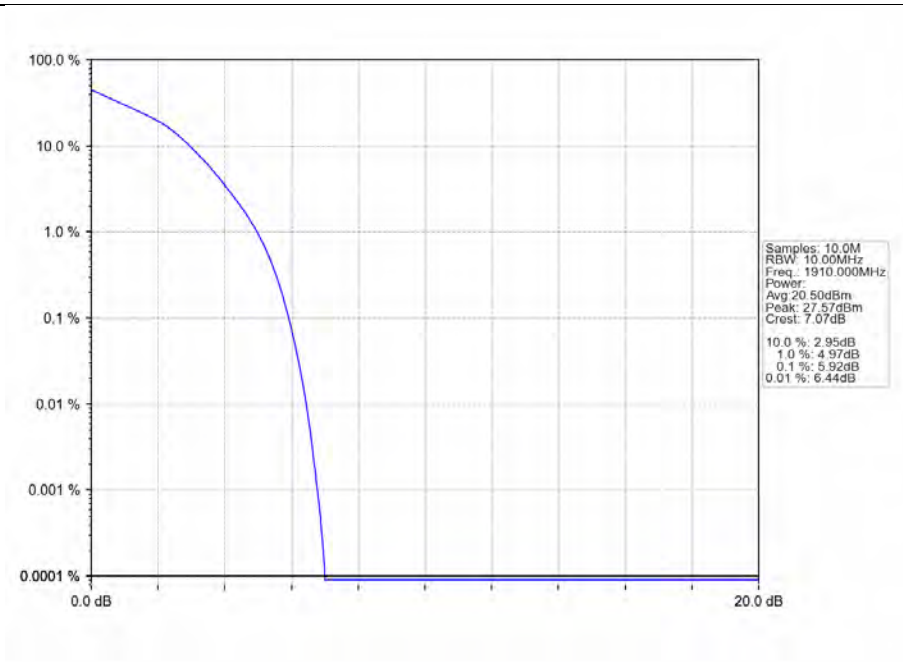

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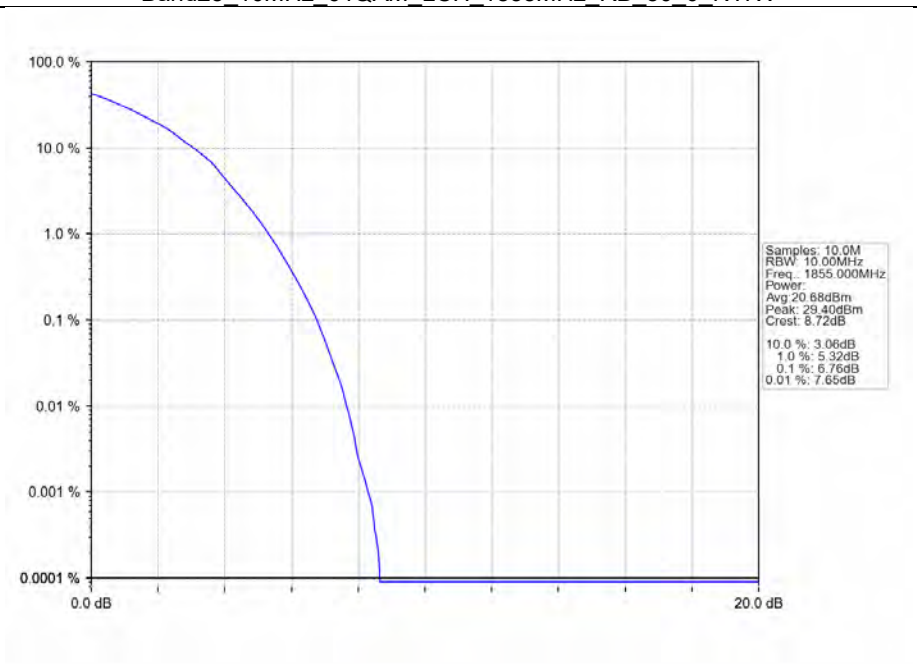
Band25_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



Band25_10MHz_64QAM_MCH_1882.5MHz_RB_50_0_NTNV

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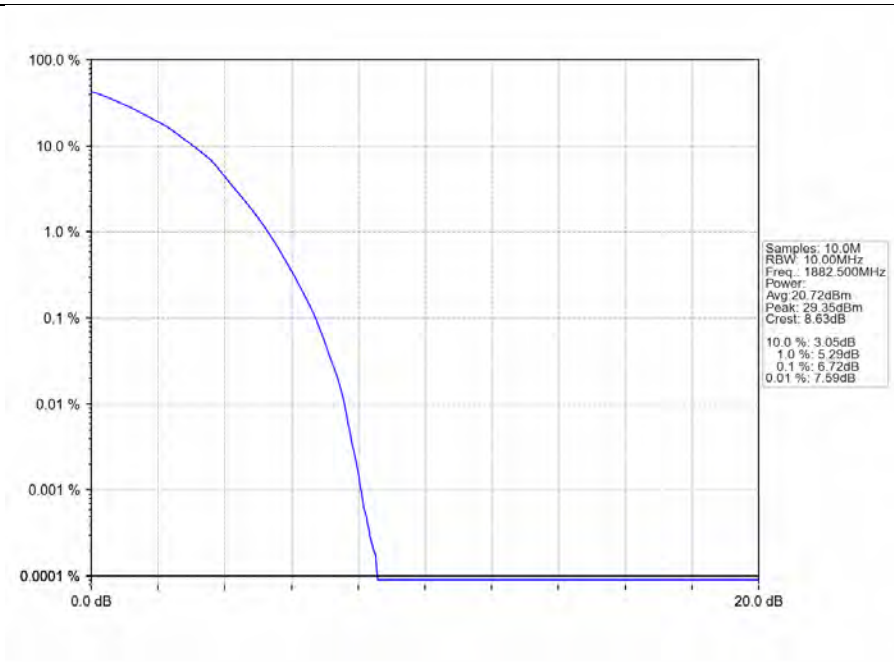

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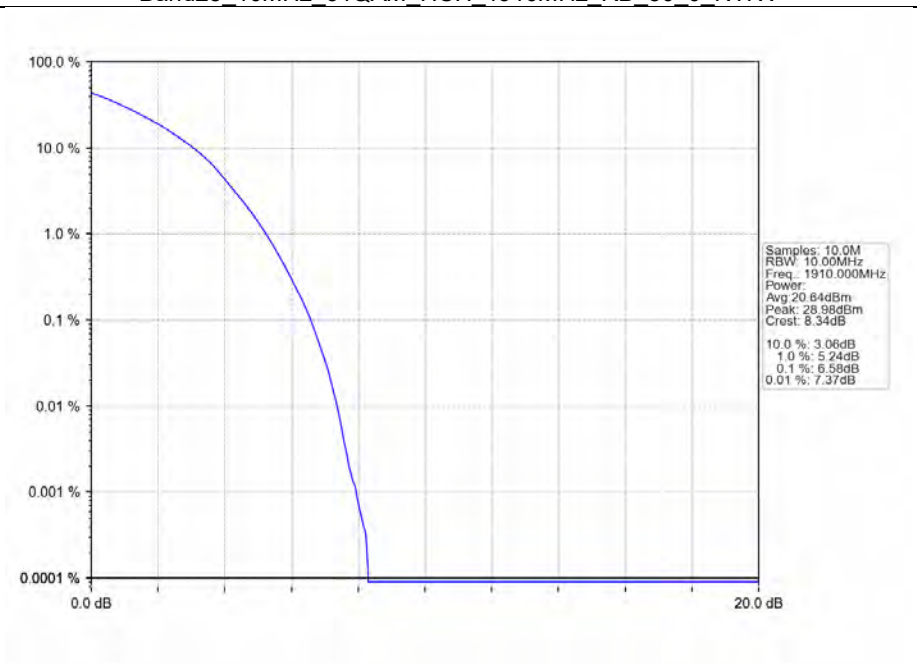

Band25_10MHz_256QAM_LCH_1855MHz_RB_50_0_NTNV

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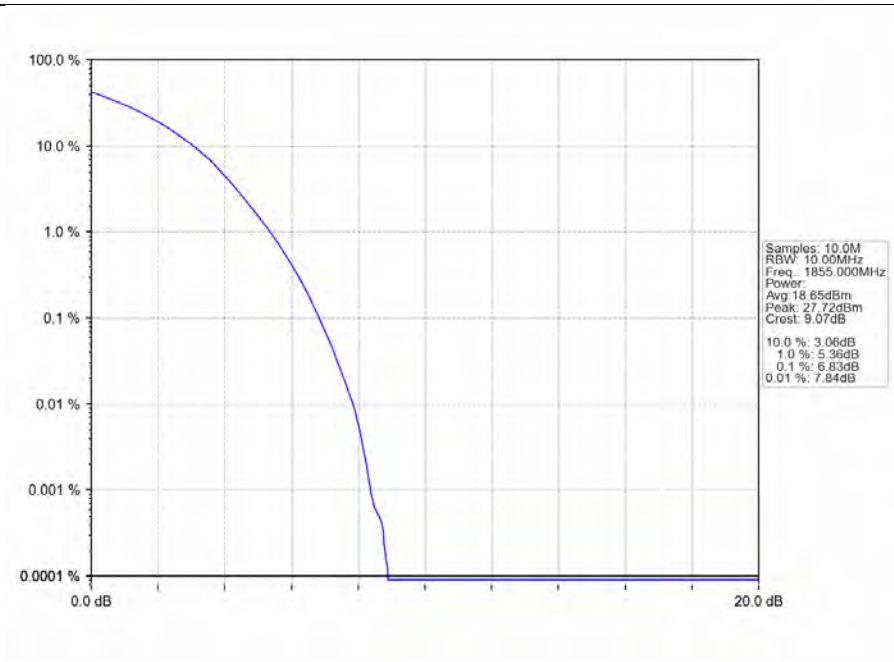

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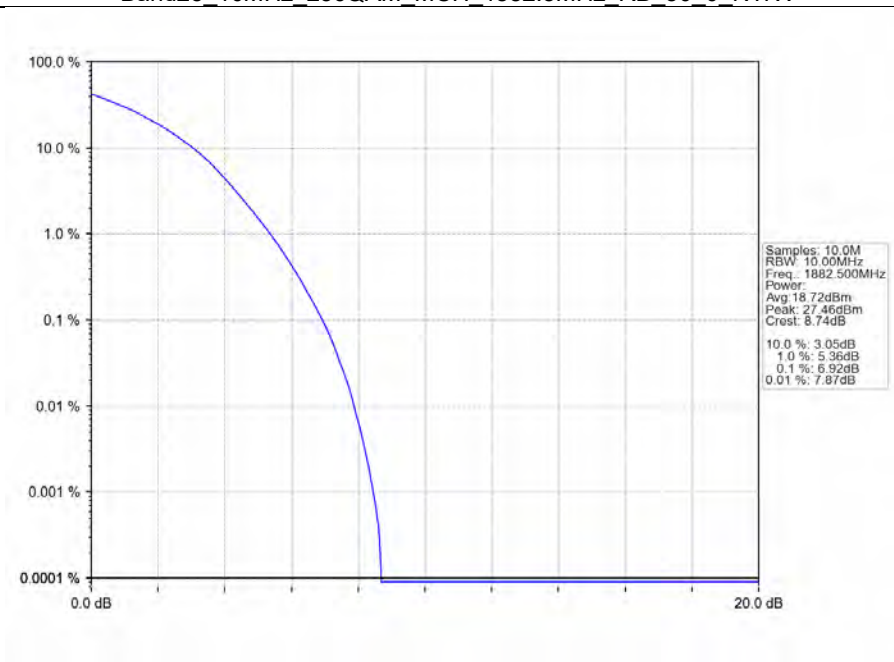

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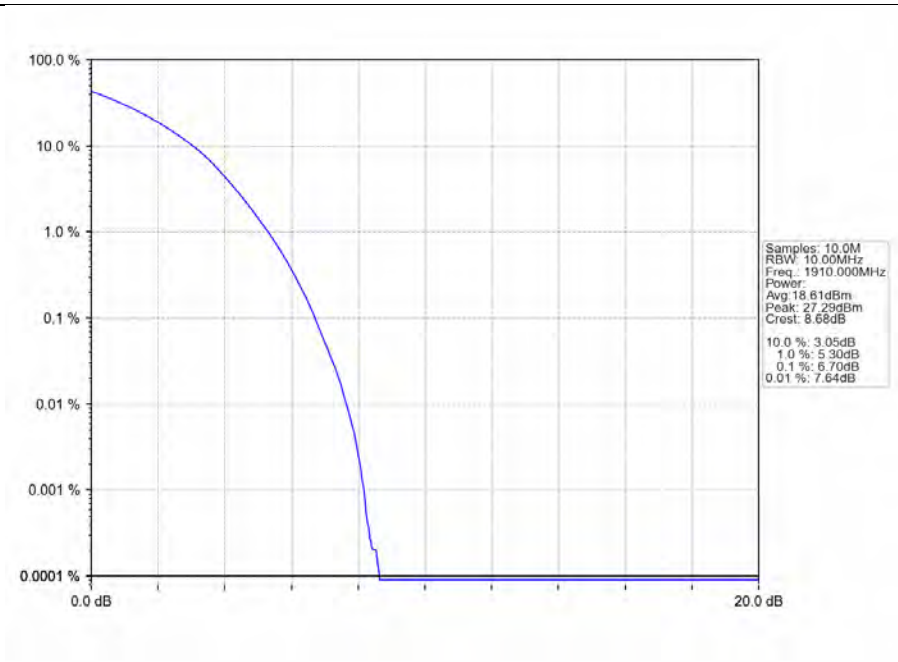

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4.5 B25_15MHz

4.5.1 Test Result

Band: 25 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.41	<=13	Pass
	1882.5	75	0	5.39	<=13	Pass
	1907.5	75	0	5.33	<=13	Pass
16QAM	1857.5	75	0	6.09	<=13	Pass
	1882.5	75	0	6.07	<=13	Pass
	1907.5	75	0	6.04	<=13	Pass
64QAM	1857.5	75	0	6.65	<=13	Pass
	1882.5	75	0	6.74	<=13	Pass
	1907.5	75	0	6.62	<=13	Pass
256QAM	1857.5	75	0	6.88	<=13	Pass
	1882.5	75	0	6.85	<=13	Pass
	1907.5	75	0	6.79	<=13	Pass

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4.5.2 Test Graph

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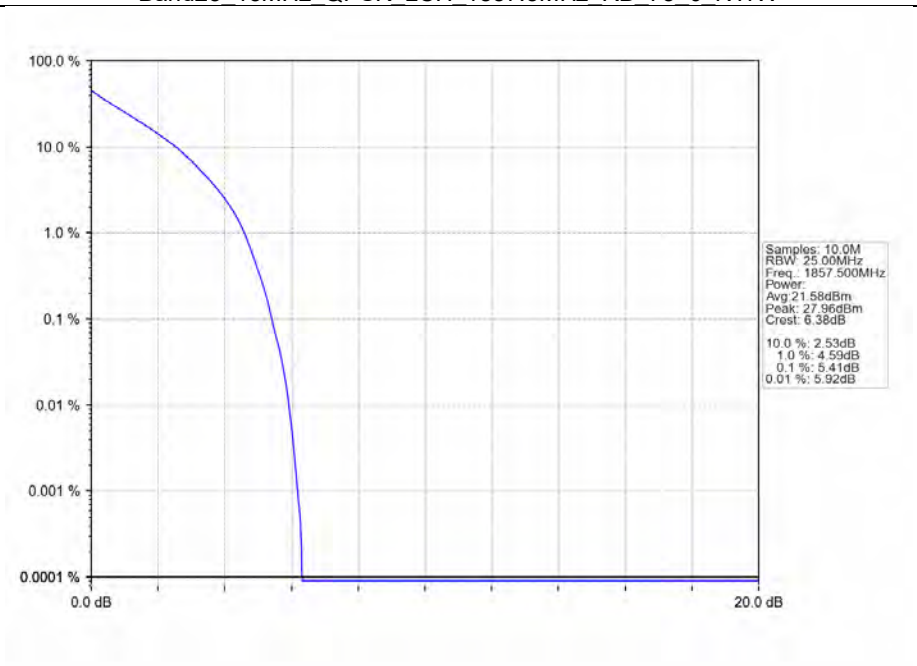
Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV

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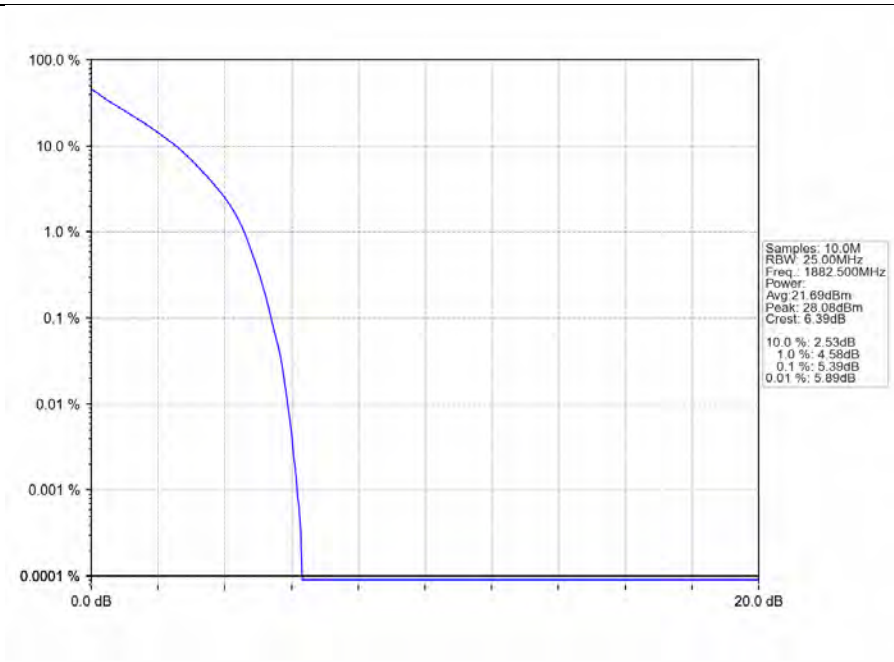

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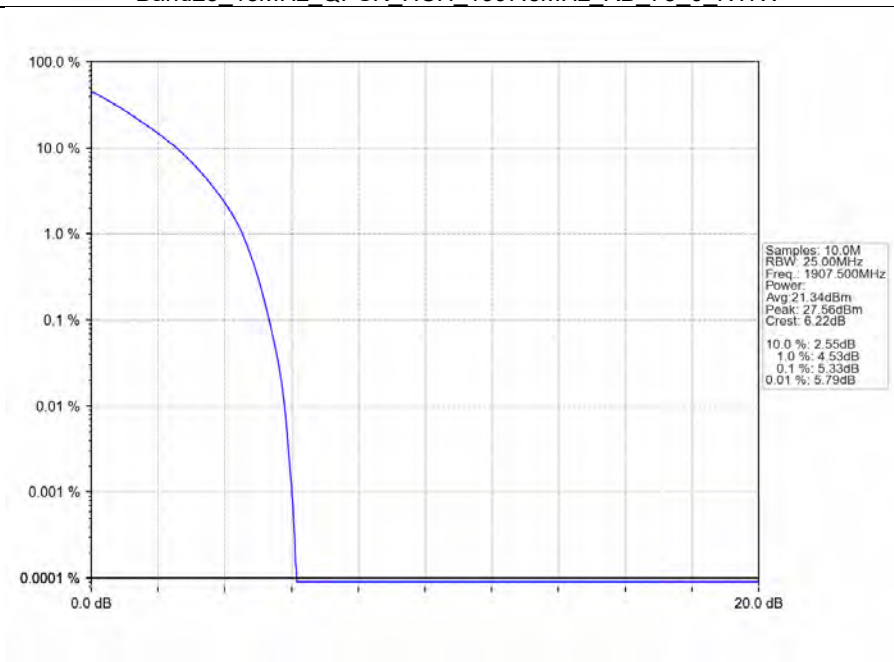

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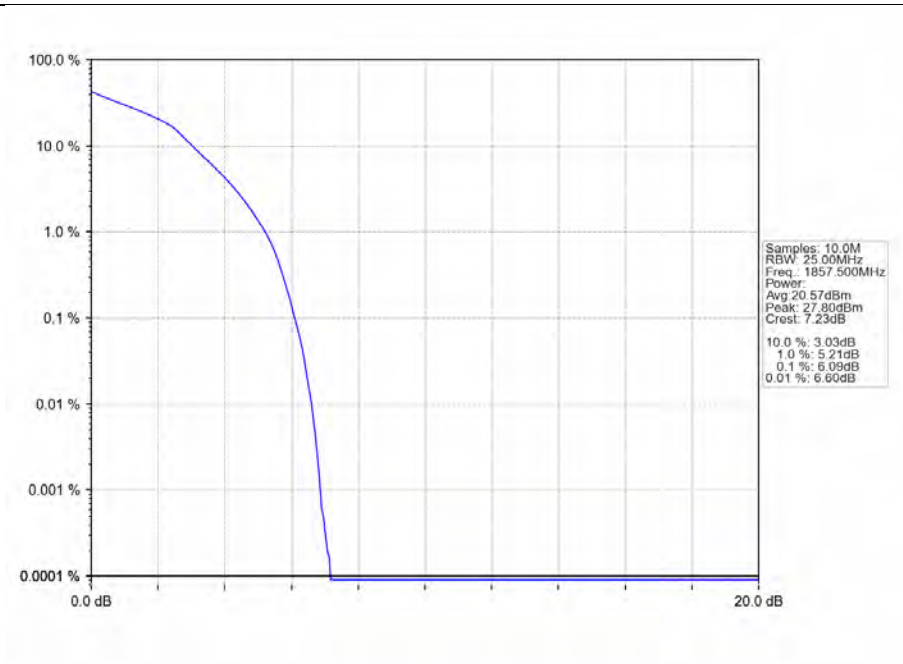

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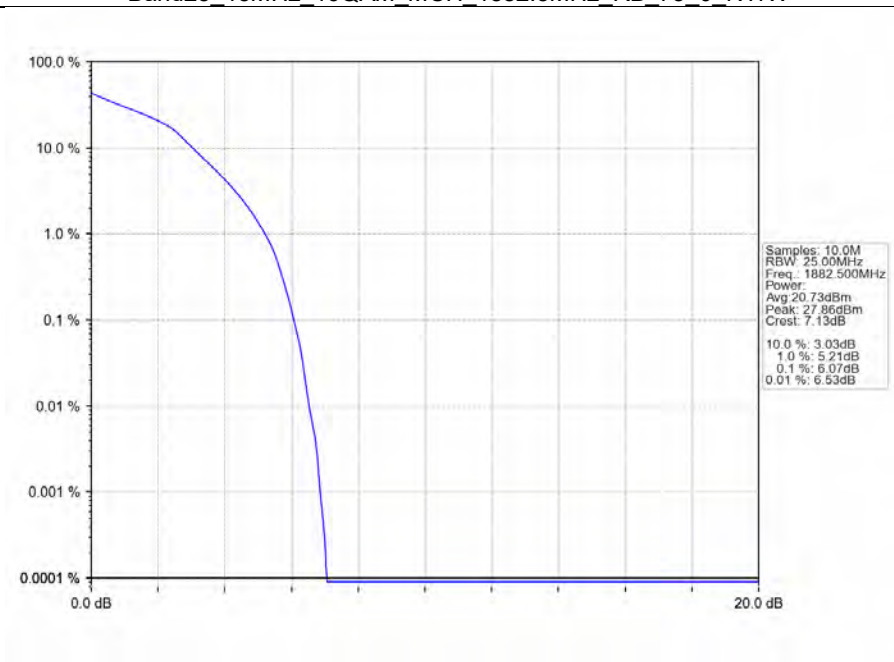

Band25_15MHz_16QAM_HCH_1907.5MHz_RB_75_0_NTNV

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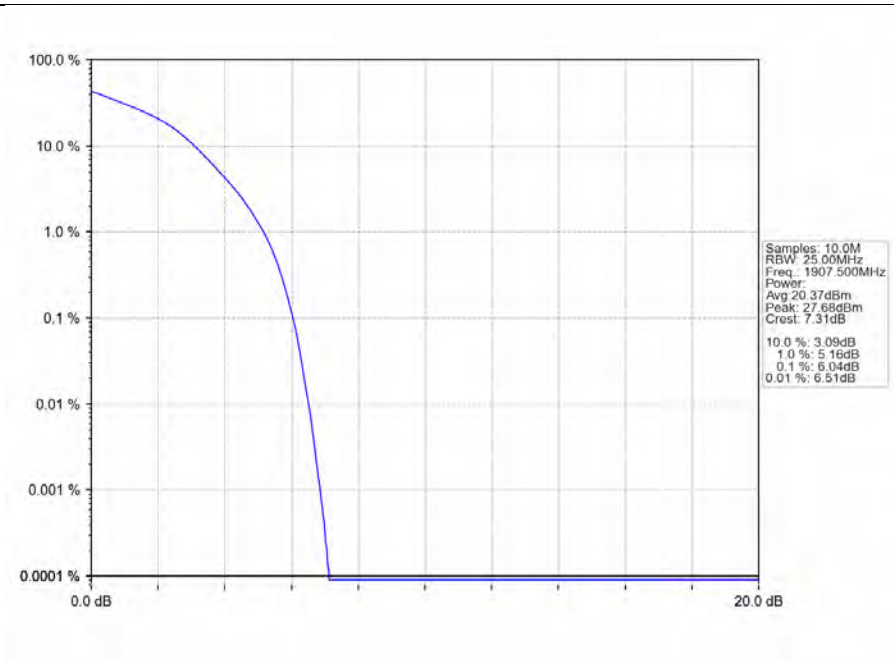

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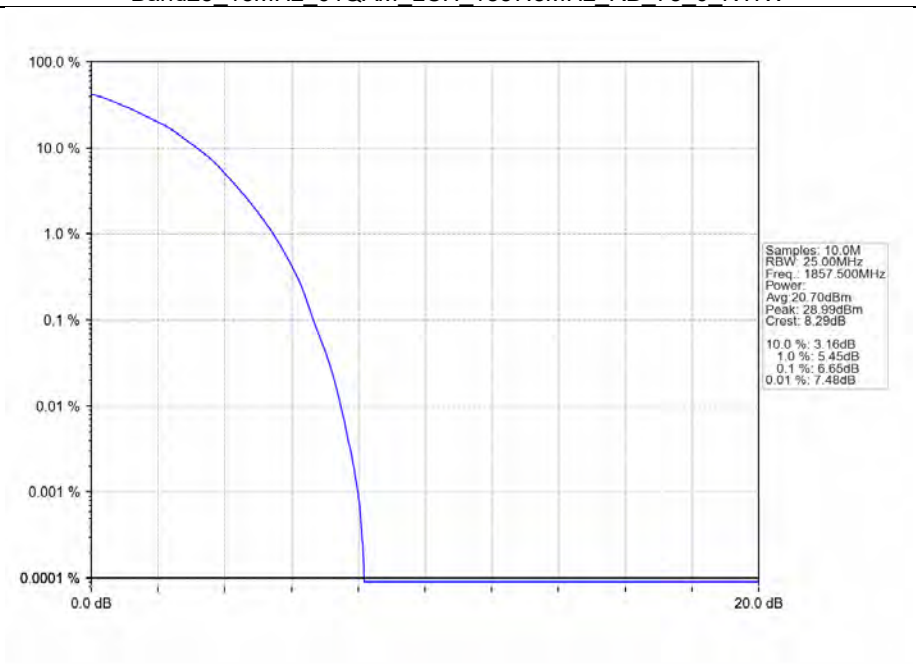
Band25_15MHz_64QAM_LCH_1857.5MHz_RB_75_0_NTNV



Band25_15MHz_64QAM_MCH_1882.5MHz_RB_75_0_NTNV

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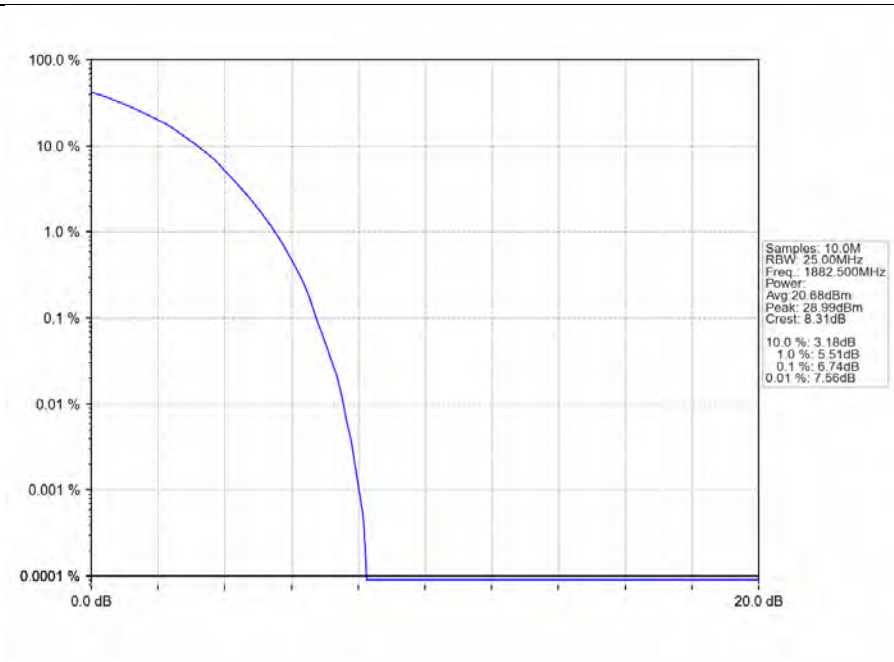

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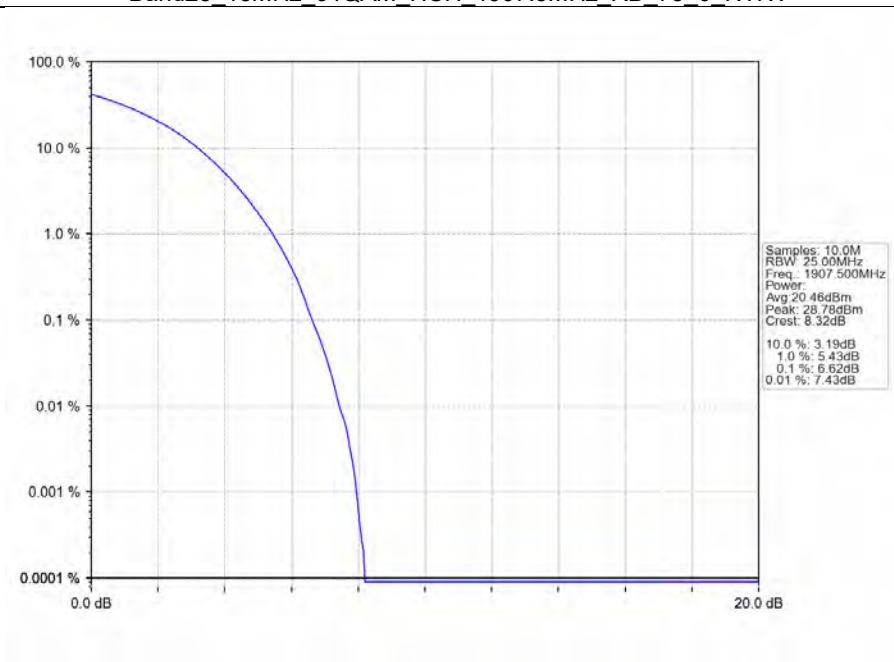
Band25_15MHz_64QAM_HCH_1907.5MHz_RB_75_0_NTNV



Band25_15MHz_256QAM_LCH_1857.5MHz_RB_75_0_NTNV

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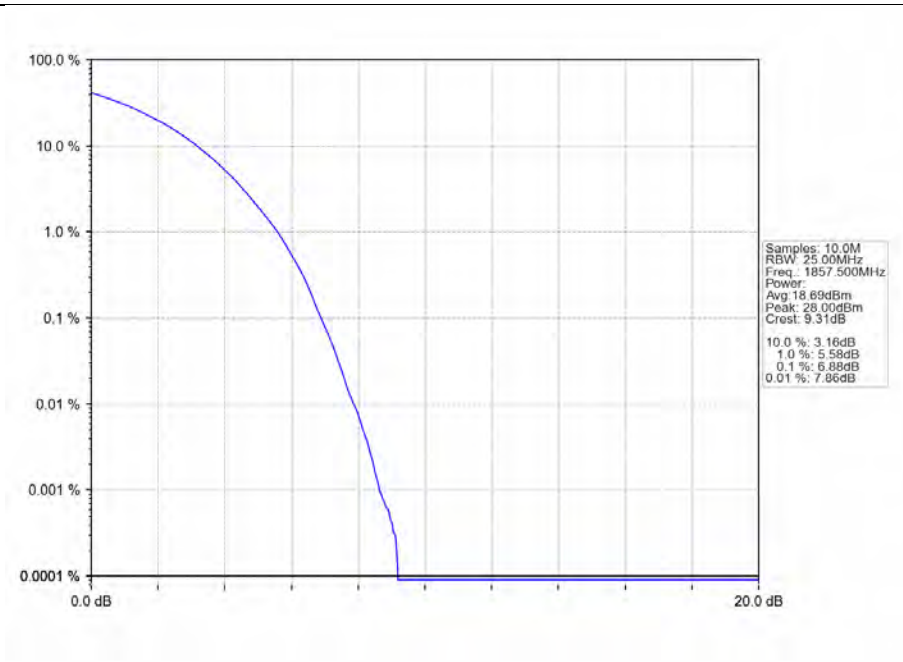

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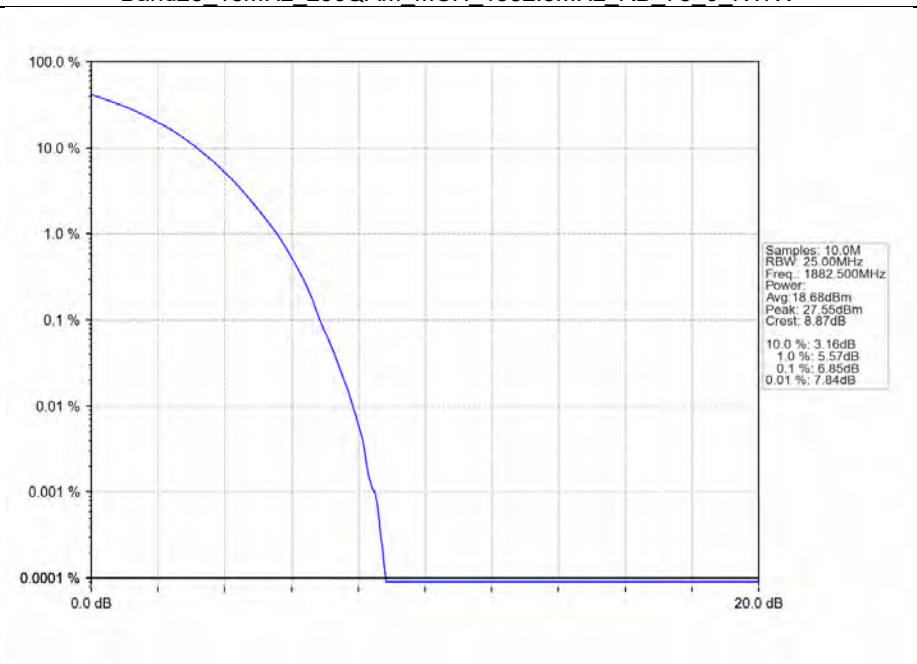

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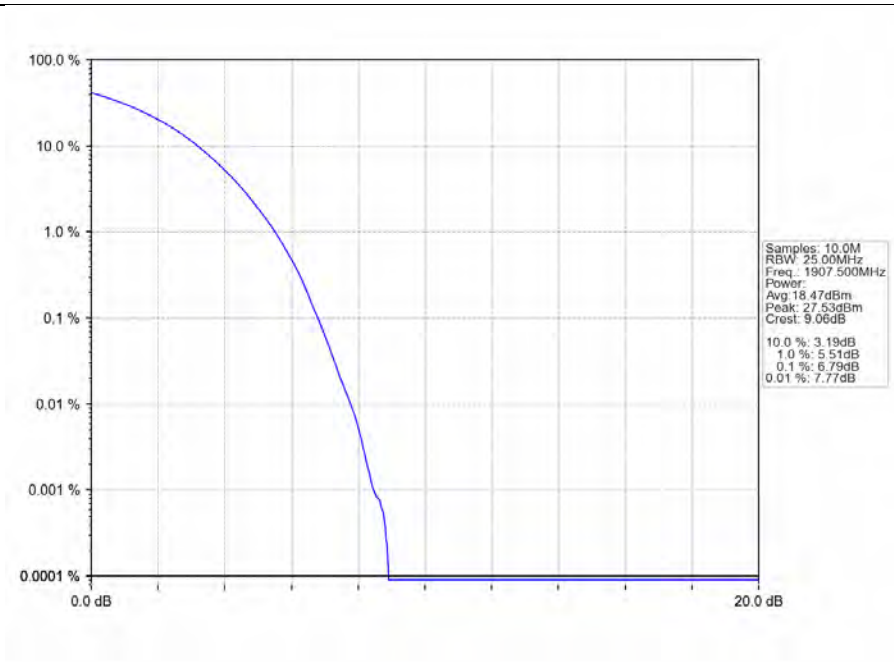

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4.6 B25_20MHz

4.6.1 Test Result

Band: 25 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.20	<=13	Pass
	1882.5	100	0	5.19	<=13	Pass
	1905	100	0	5.38	<=13	Pass
16QAM	1860	100	0	6.01	<=13	Pass
	1882.5	100	0	5.98	<=13	Pass
	1905	100	0	6.17	<=13	Pass
64QAM	1860	100	0	6.78	<=13	Pass
	1882.5	100	0	6.71	<=13	Pass
	1905	100	0	6.74	<=13	Pass
256QAM	1860	100	0	6.90	<=13	Pass
	1882.5	100	0	6.82	<=13	Pass
	1905	100	0	6.88	<=13	Pass

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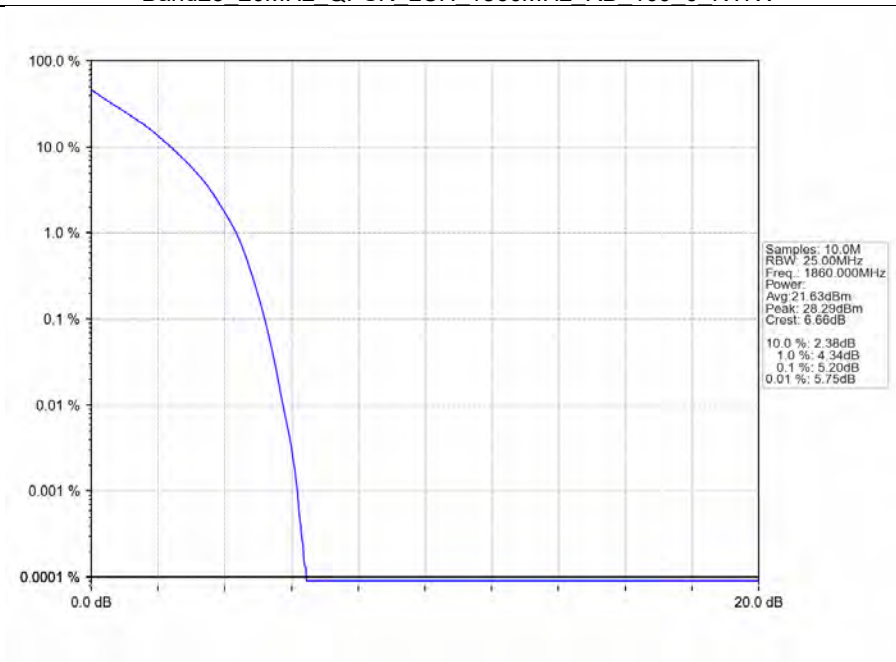
4.6.2 Test Graph

Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



Band25_20MHz_QPSK_MCH_1882.5MHz_RB_100_0_NTNV

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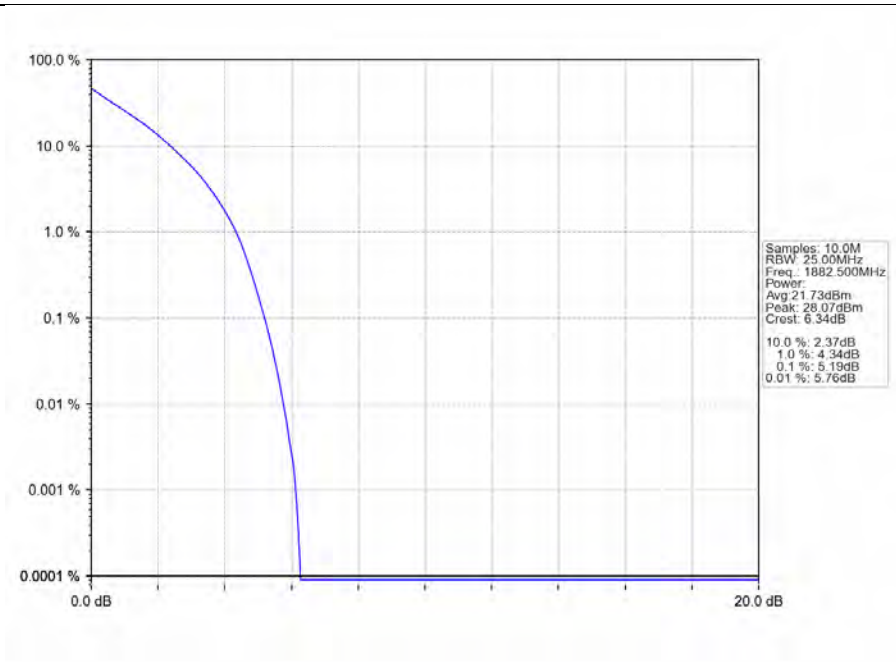

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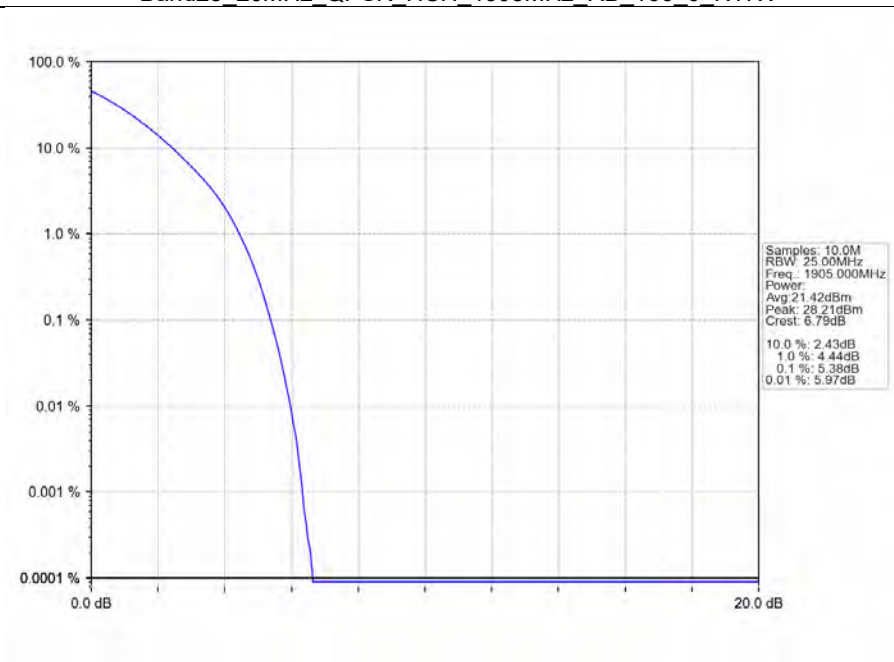

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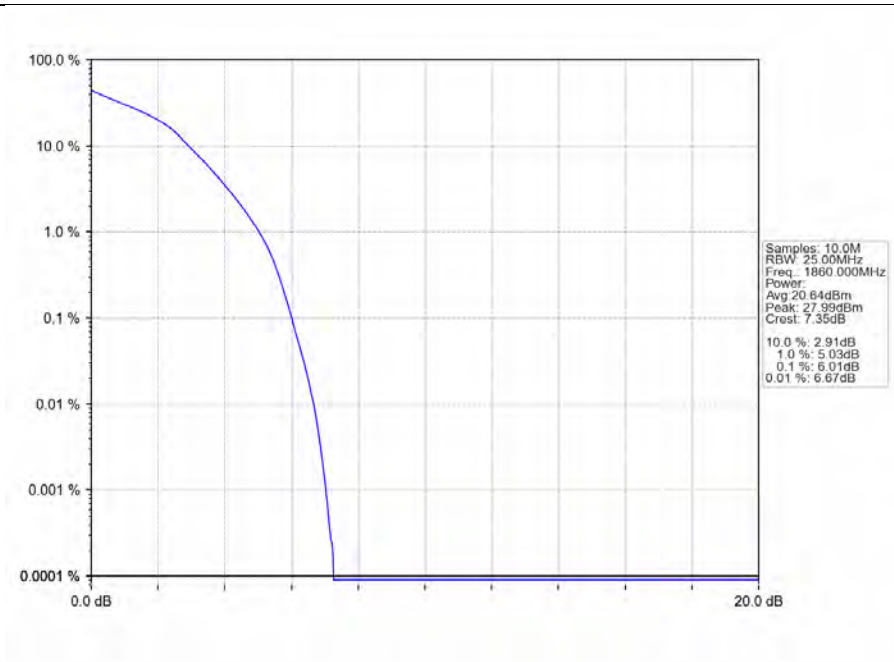

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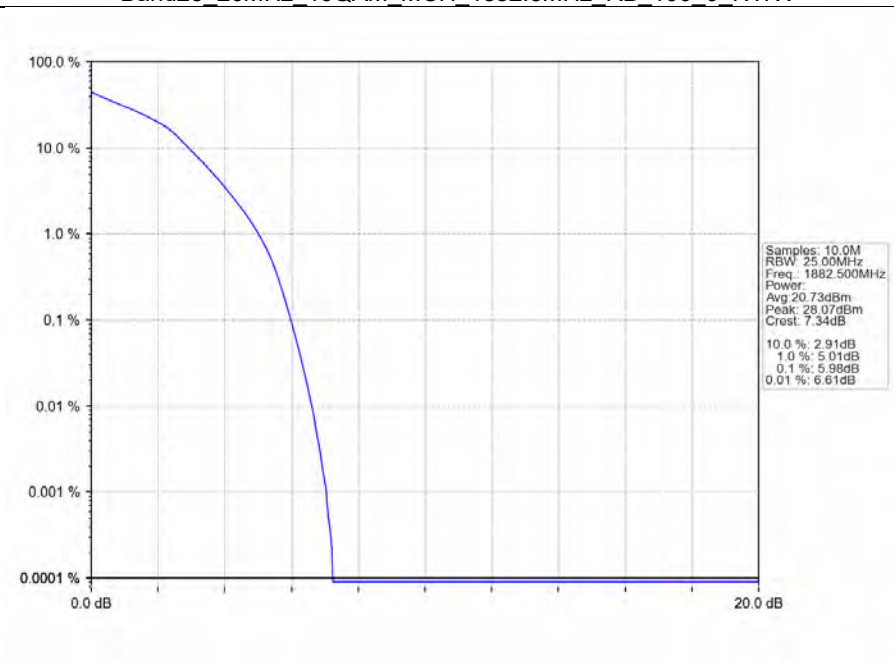

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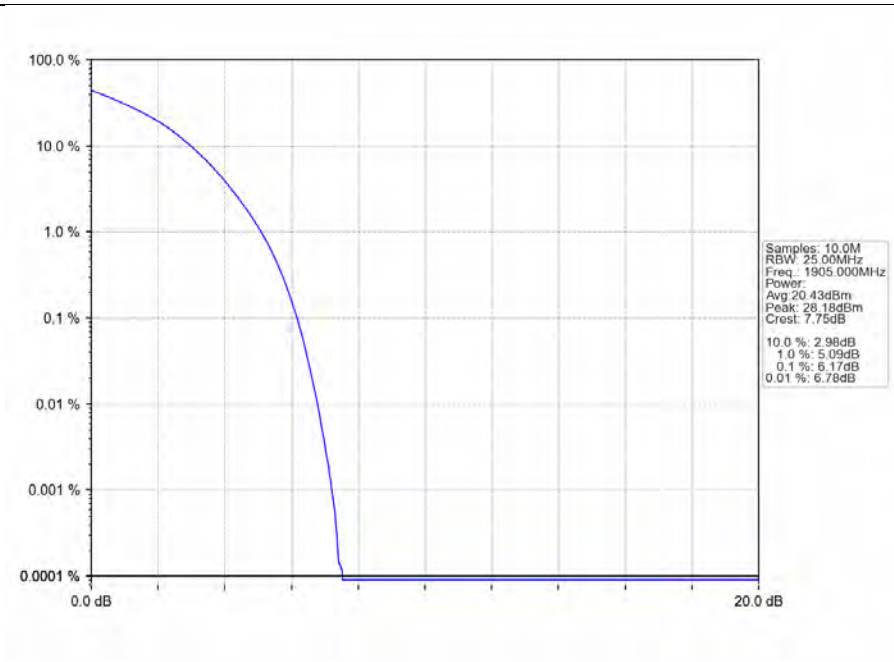

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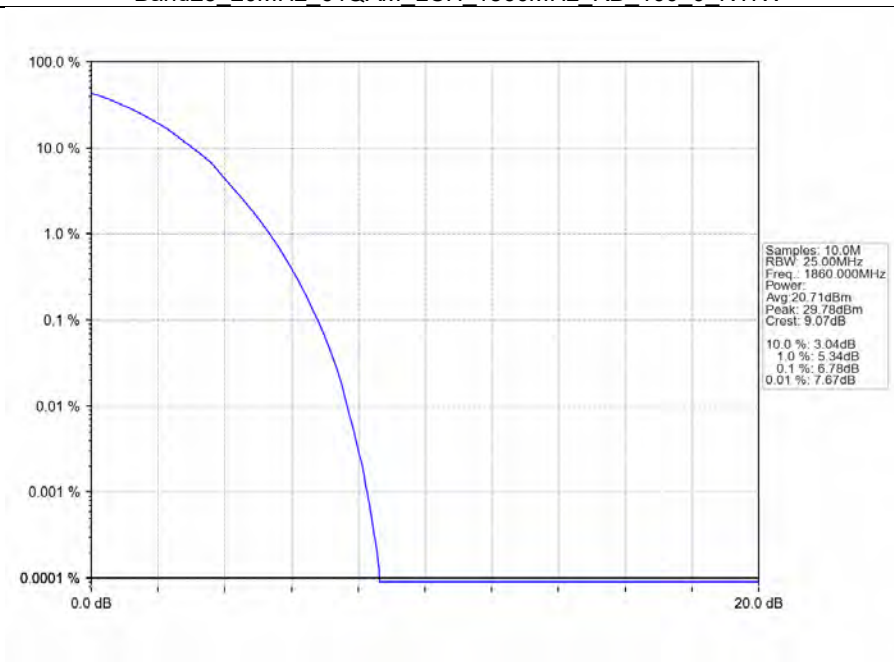
Band25_20MHz_64QAM_LCH_1860MHz_RB_100_0_NTNV



Band25_20MHz_64QAM_MCH_1882.5MHz_RB_100_0_NTNV

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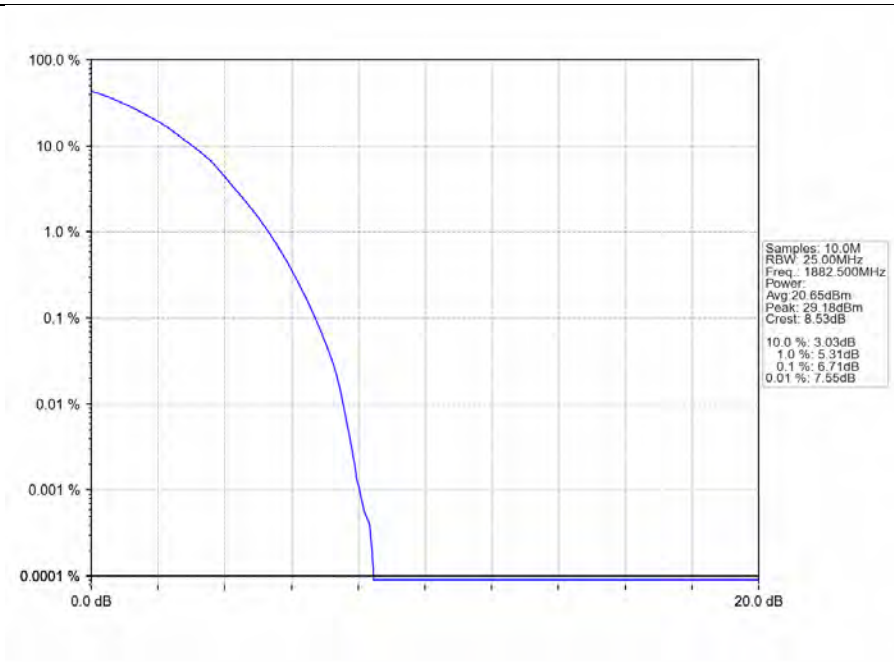

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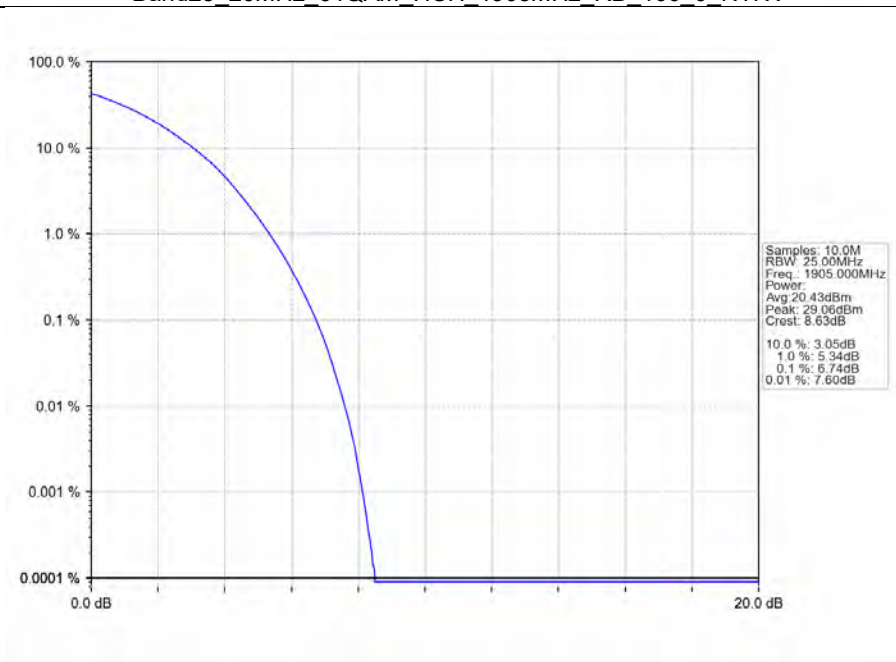
Band25_20MHz_64QAM_HCH_1905MHz_RB_100_0_NTNV



Band25_20MHz_256QAM_LCH_1860MHz_RB_100_0_NTNV

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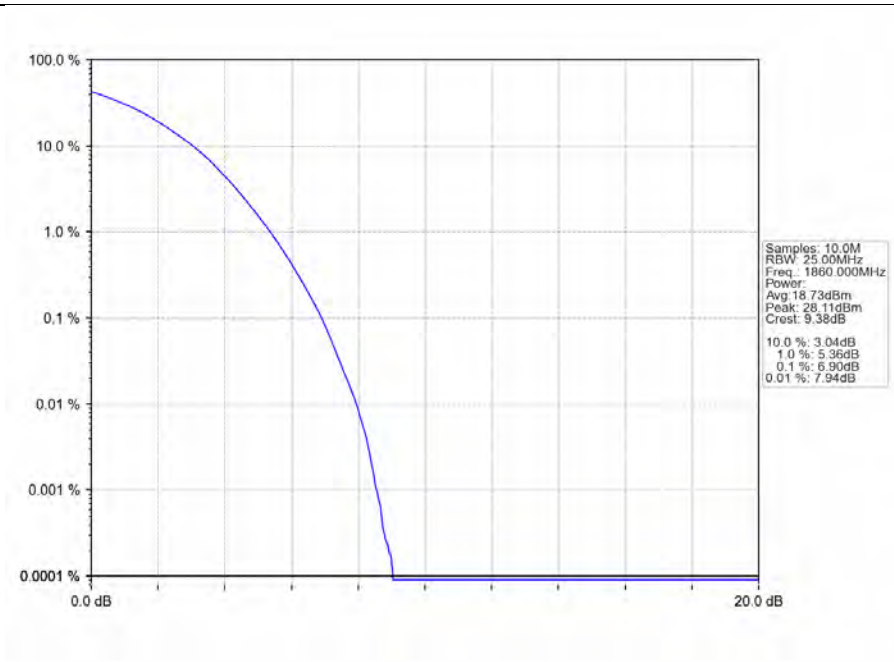

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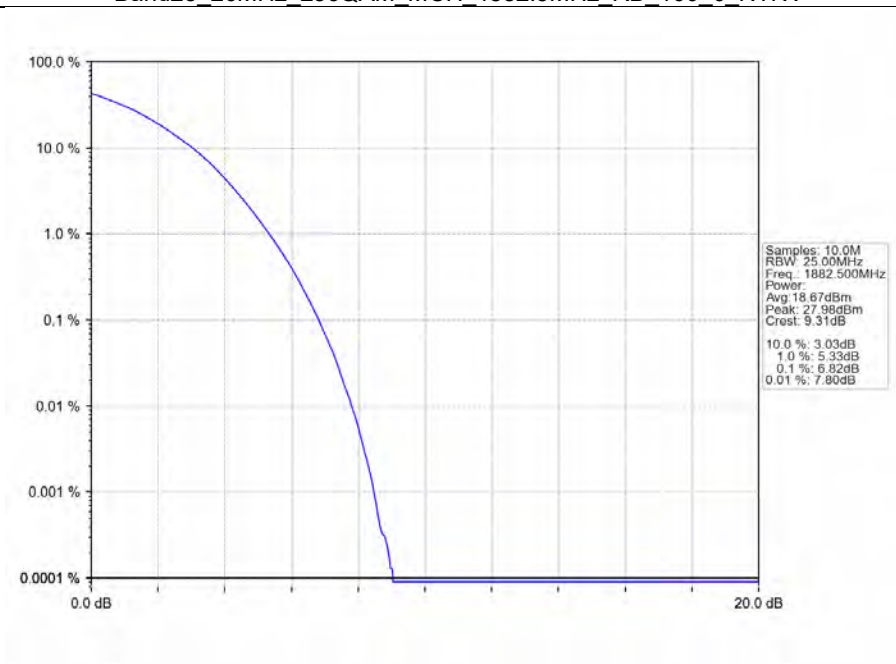

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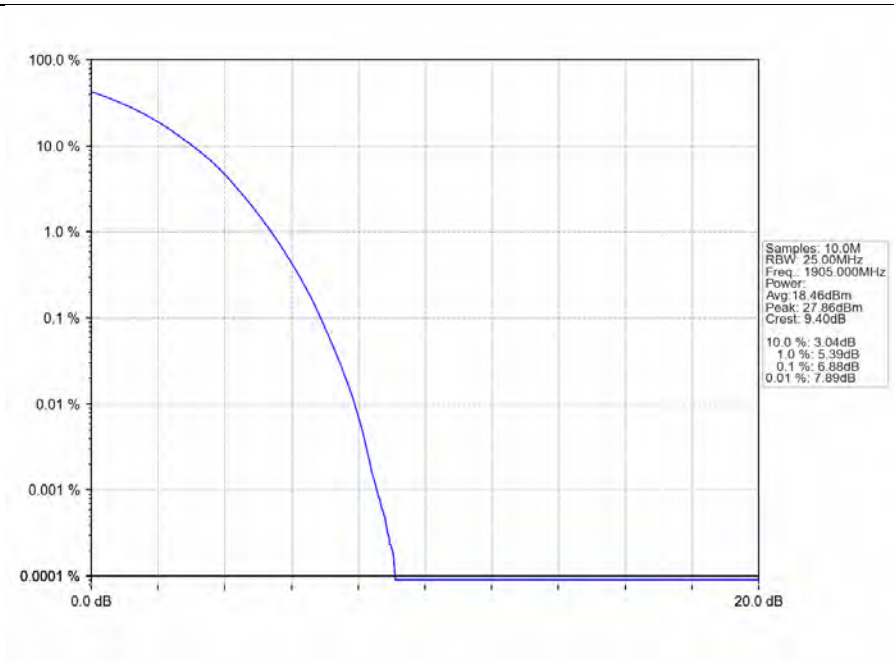

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5. Spurious Emission & Band Edges

5.1 B25_1.4MHz

5.1.1 Test Result

Band: 25 / Bandwidth: 1.4MHz / NTNV						
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
	1882.5	1	0	Refer To Test Graph		Pass
	1914.3	1	0	Refer To Test Graph		Pass
			5	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
	1882.5	1	0	Refer To Test Graph		Pass
	1914.3	1	0	Refer To Test Graph		Pass
			5	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
	1882.5	1	0	Refer To Test Graph		Pass
	1914.3	1	0	Refer To Test Graph		Pass
			5	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
	1882.5	1	0	Refer To Test Graph		Pass
	1914.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

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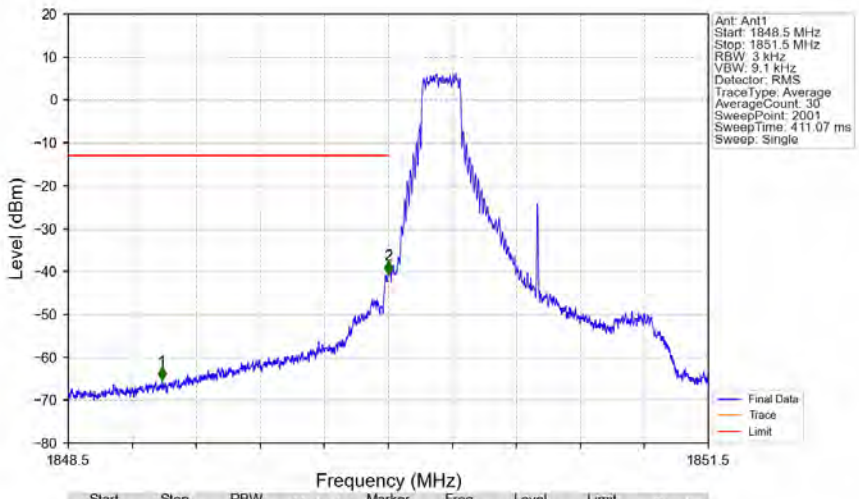
5.1.2 Test Graph

Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.938	-65.36	-13	Pass
1849	1850	0.003	/	2	1850.000	-40.67	-13	Pass
1850	1851.5	0.003	/	/	/	/	/	/

Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

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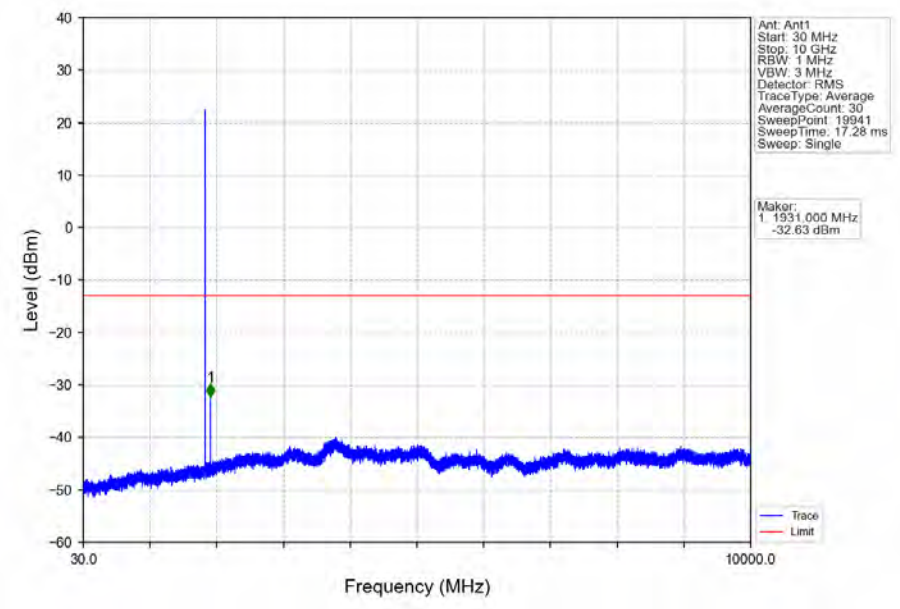

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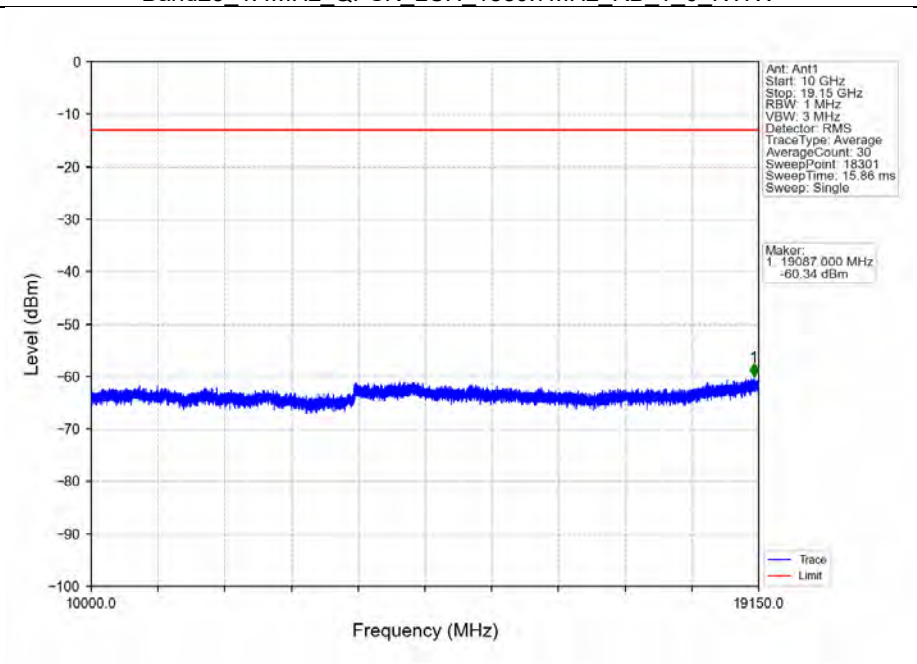

Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV

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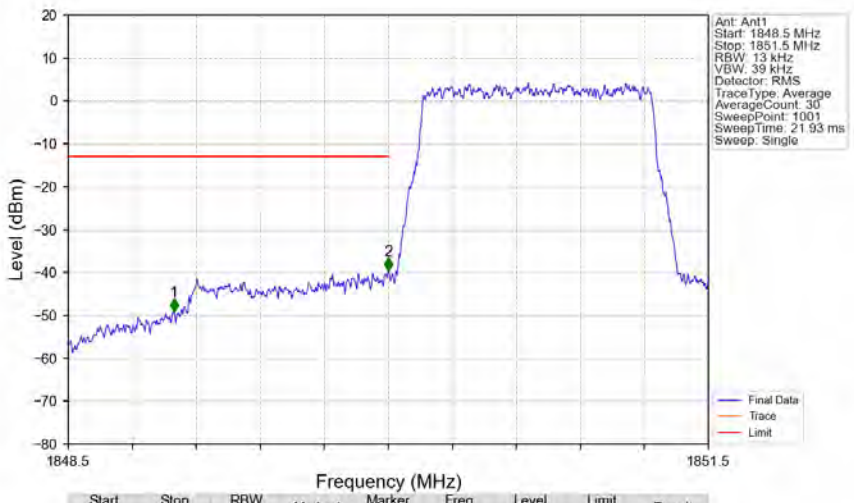

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.995	-49.04	-13	Pass
1849	1850	0.013	/	2	1850.000	-39.53	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/

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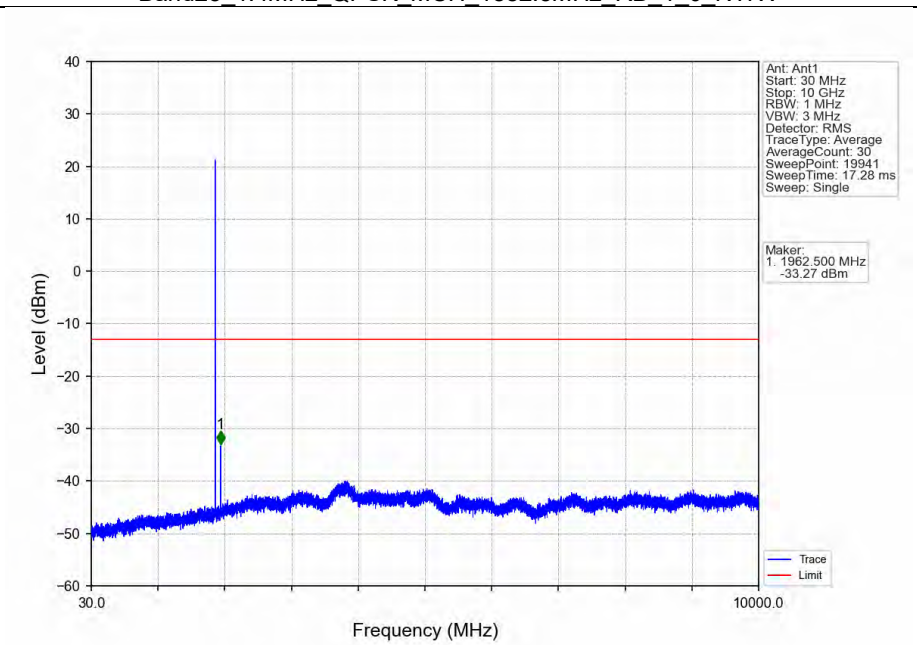

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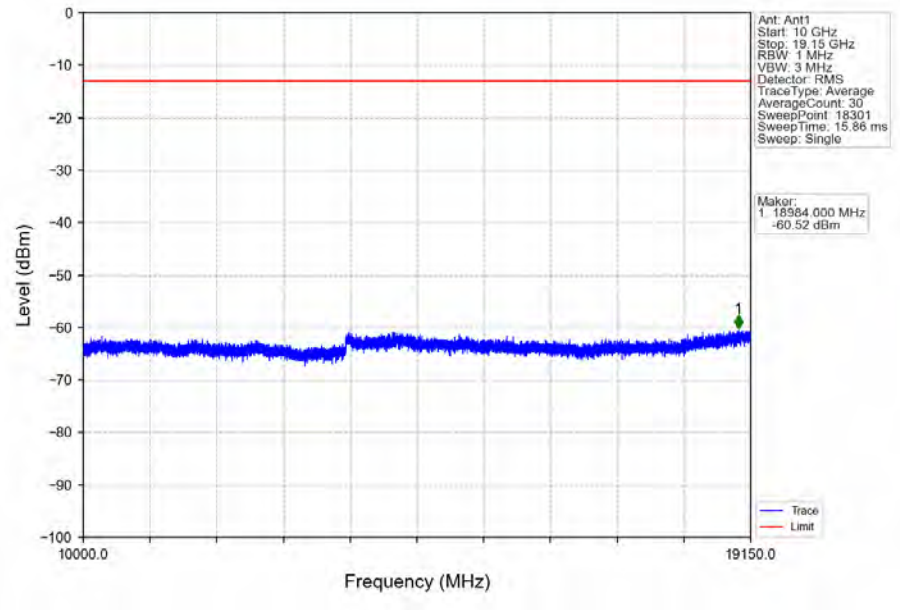

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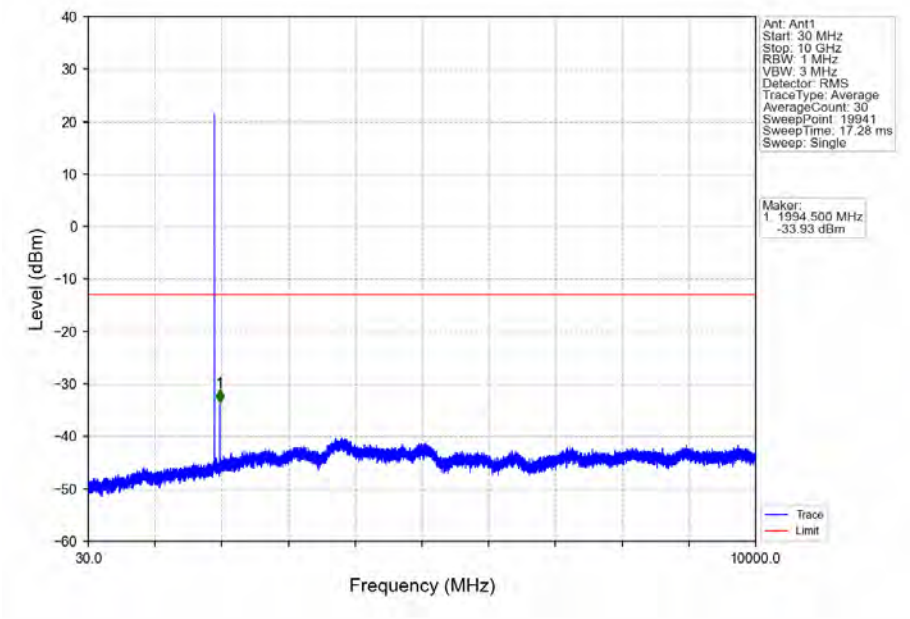
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_1_0_NTNV



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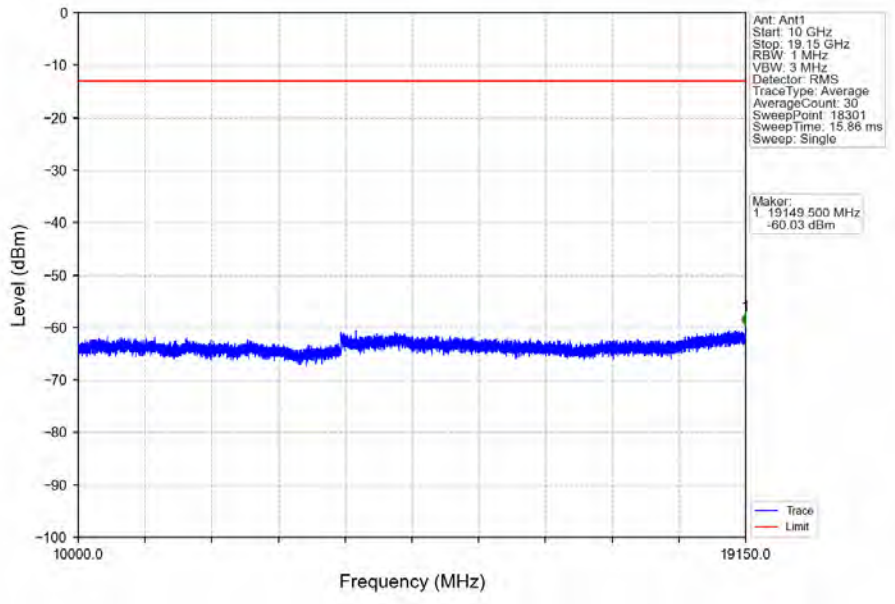

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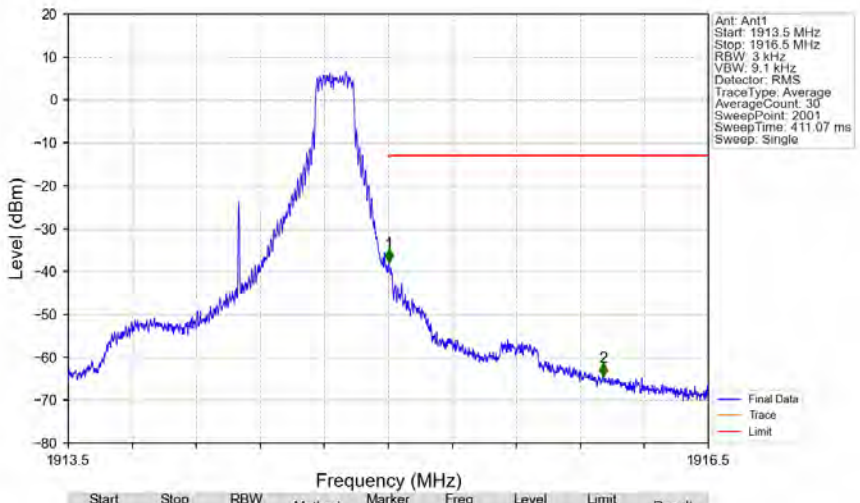

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1913.5	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.003	-37.84	-13	Pass
1916	1916.5	1	/	2	1916.008	-64.50	-13	Pass

Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV

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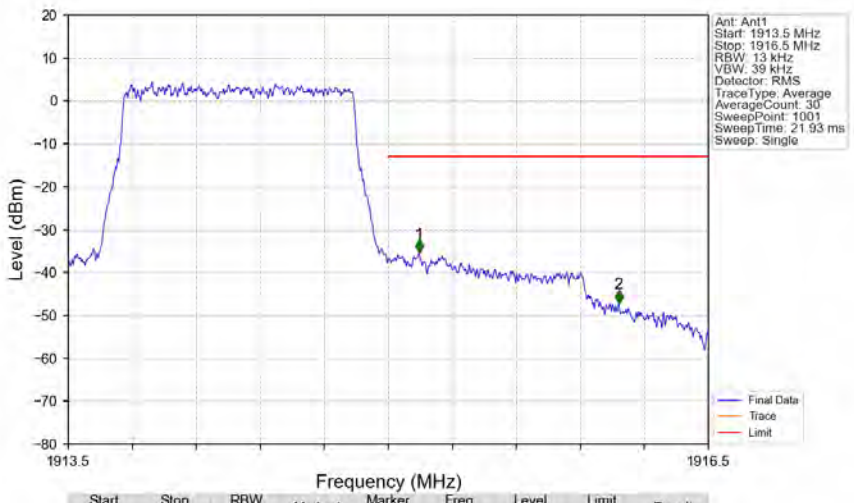

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1913.5	1915	0.013	/	/	/	/	/	/
1915	1916	0.013	/	1	1915.144	-35.37	-13	Pass
1916	1916.5	1	/	2	1916.080	-47.12	-13	Pass

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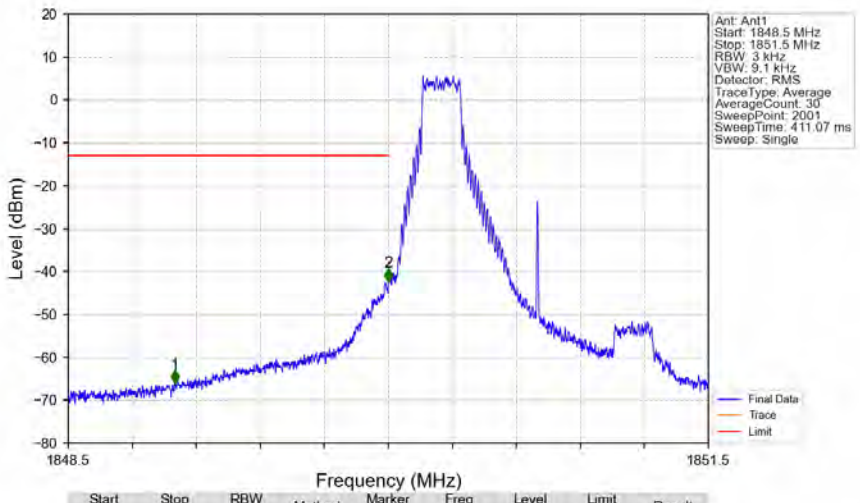

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.999	-66.05	-13	Pass
1849	1850	0.003	/	2	1850.000	-42.35	-13	Pass
1850	1851.5	0.003	/	/	/	/	/	/

Band25_1.4MHz_16QAM_LCH_1850.7MHz_RB_1_0_NTNV

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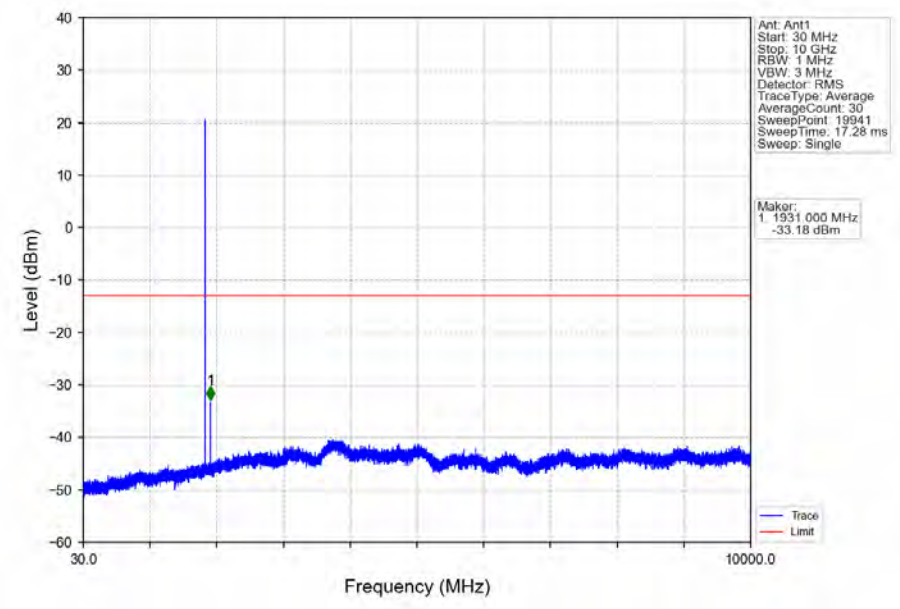

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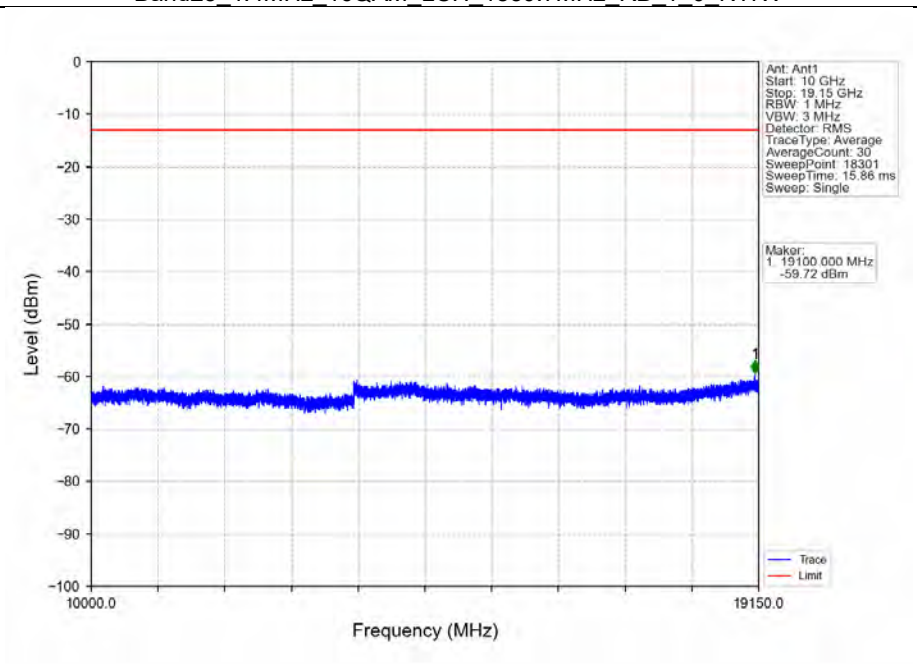

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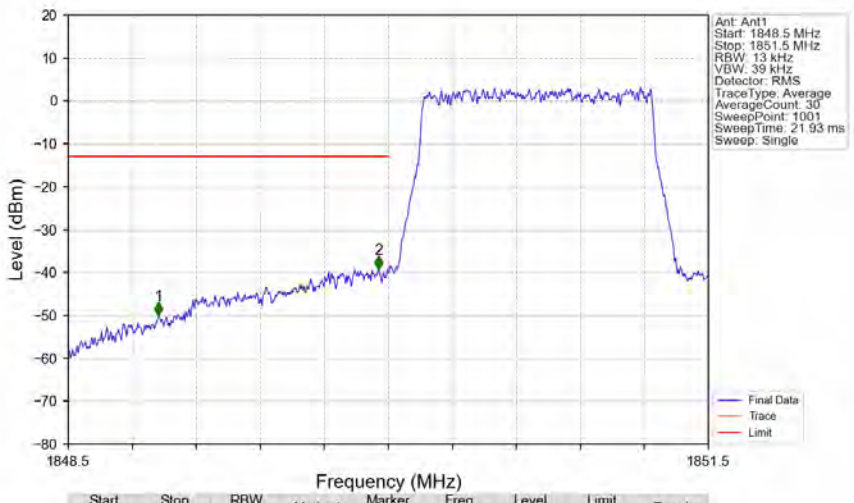

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.923	-49.94	-13	Pass
1849	1850	0.013	/	2	1849.955	-39.18	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/

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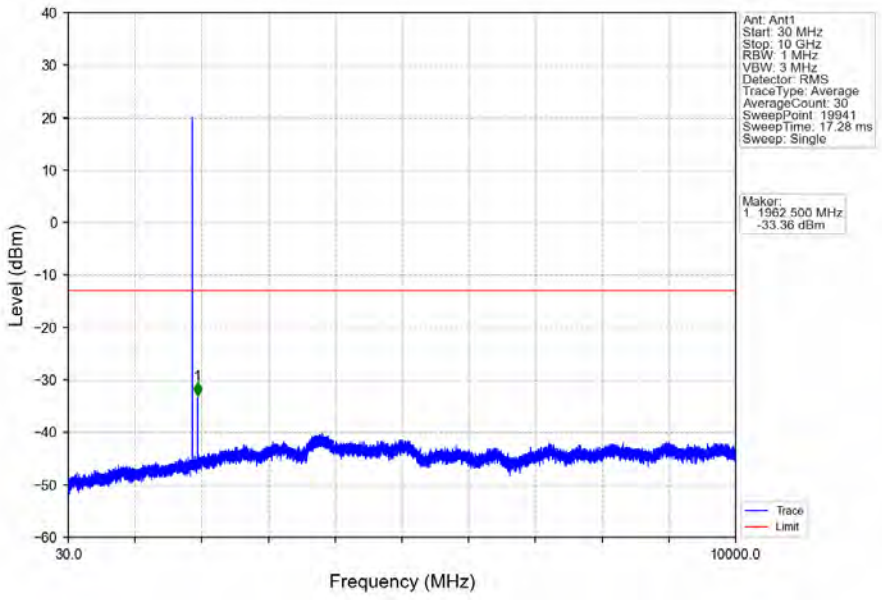

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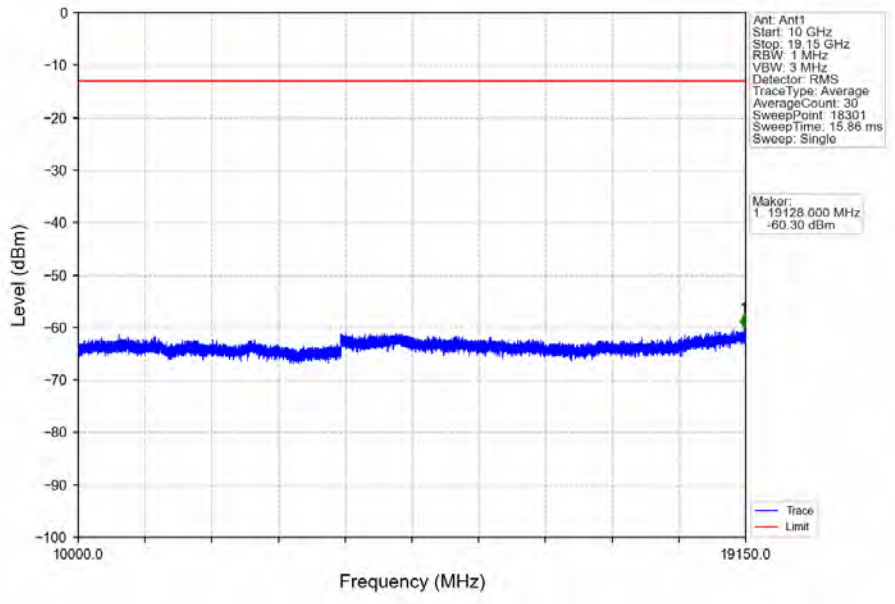

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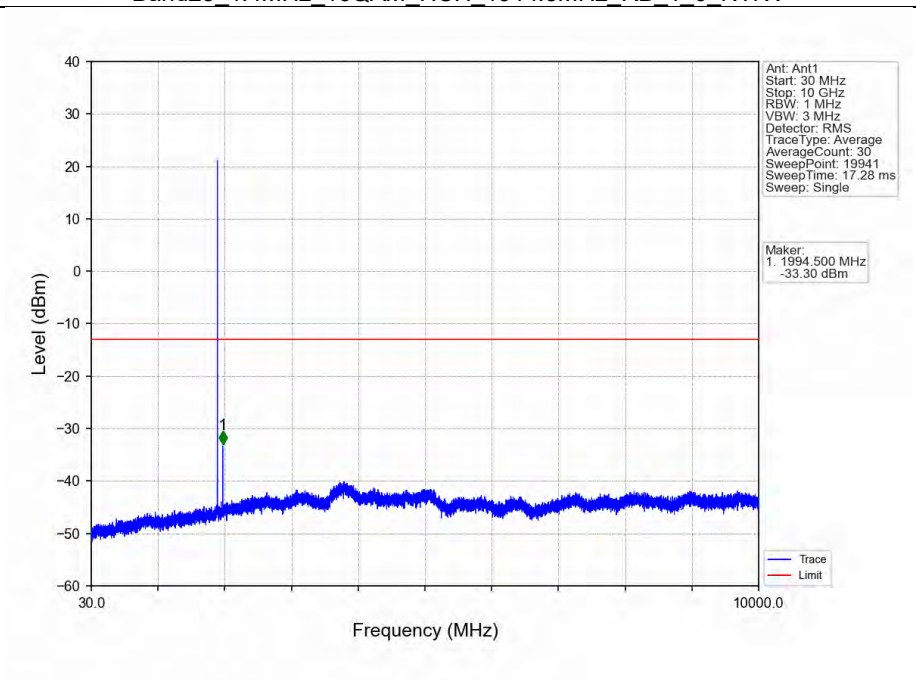

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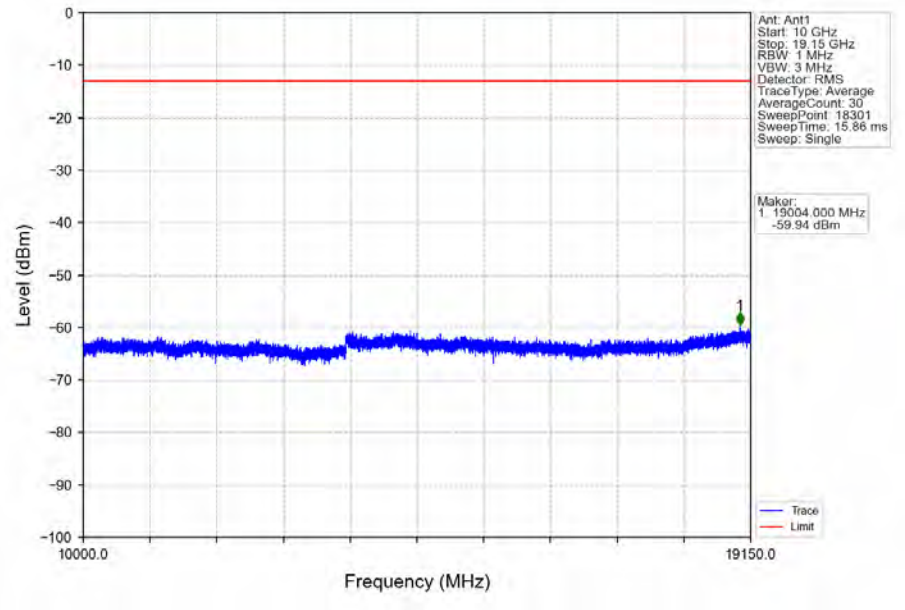

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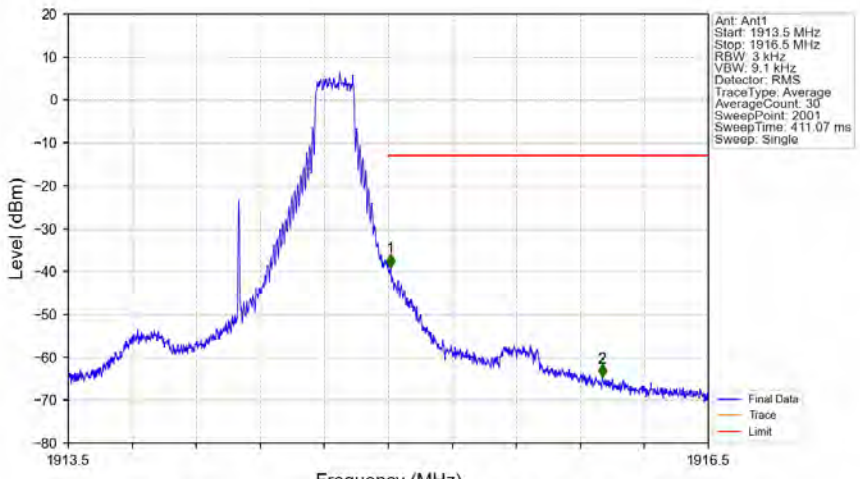
Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1913.5	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.011	-39.01	-13	Pass
1916	1916.5	1	/	2	1916.002	-64.73	-13	Pass

Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV

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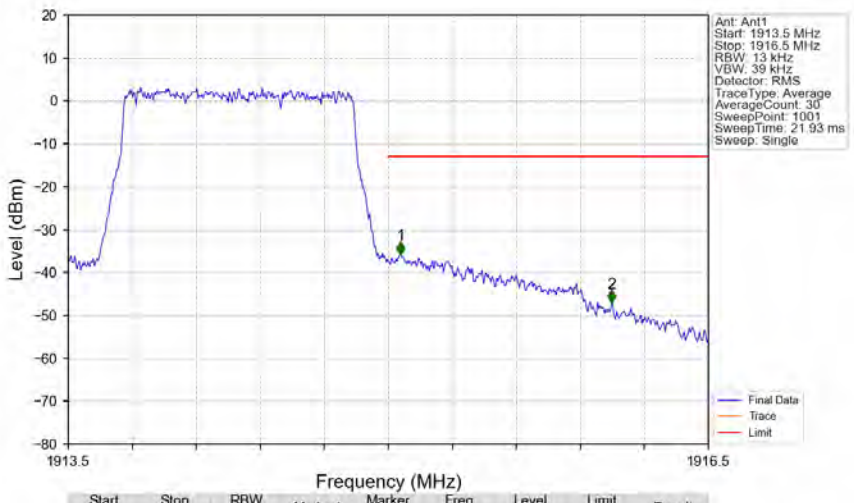

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1913.5	1915	0.013	/	/	/	/	/	/
1915	1916	0.013	/	1	1915.057	-35.82	-13	Pass
1916	1916.5	1	/	2	1916.047	-47.06	-13	Pass

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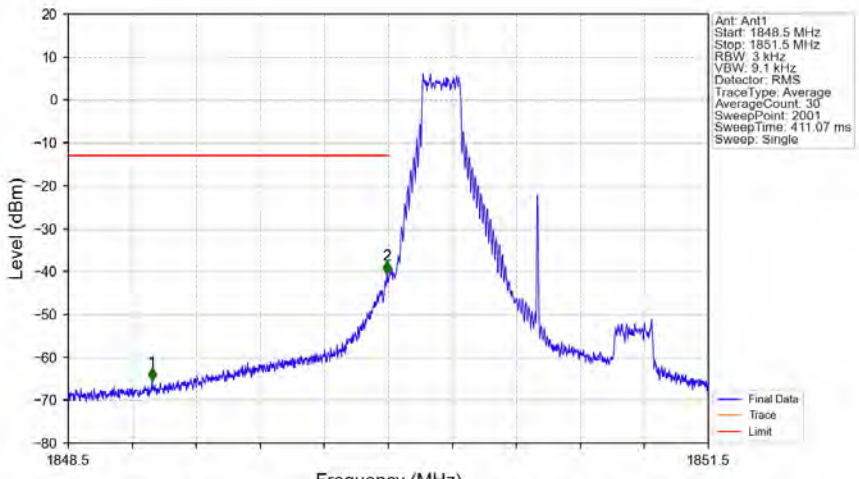
Band25_1.4MHz_64QAM_LCH_1850.7MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.893	-65.59	-13	Pass
1849	1850	0.003	/	2	1849.994	-40.74	-13	Pass
1850	1851.5	0.003	/	/	/	/	/	/

Band25_1.4MHz_64QAM_LCH_1850.7MHz_RB_1_0_NTNV

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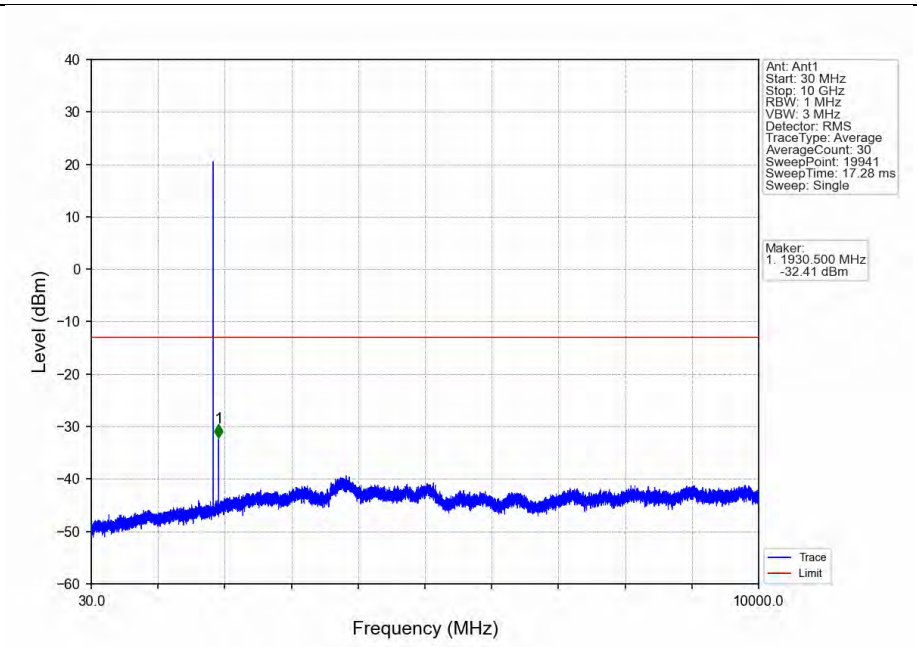

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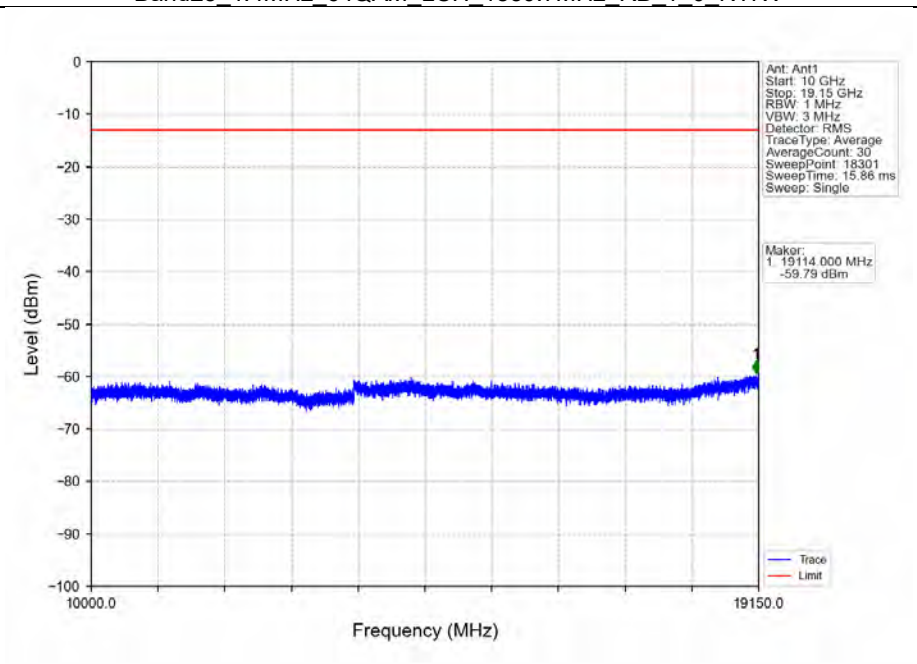

Band25_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV

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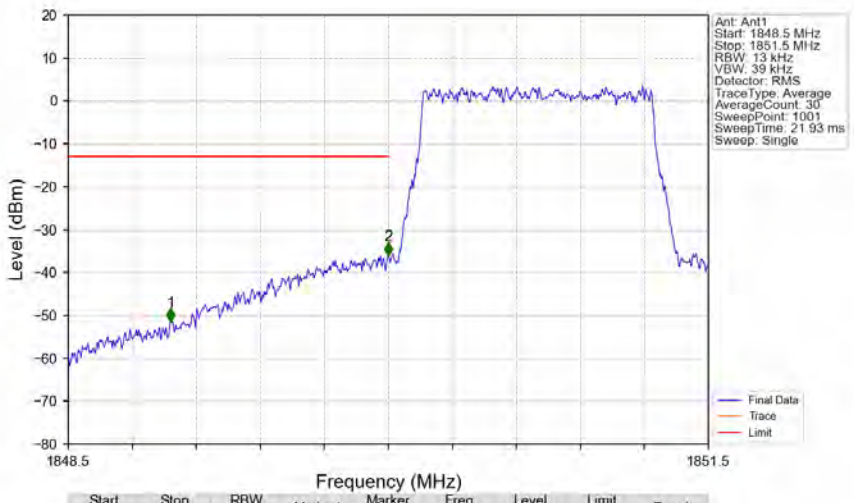

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.980	-51.39	-13	Pass
1849	1850	0.013	/	2	1850.000	-36.02	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/

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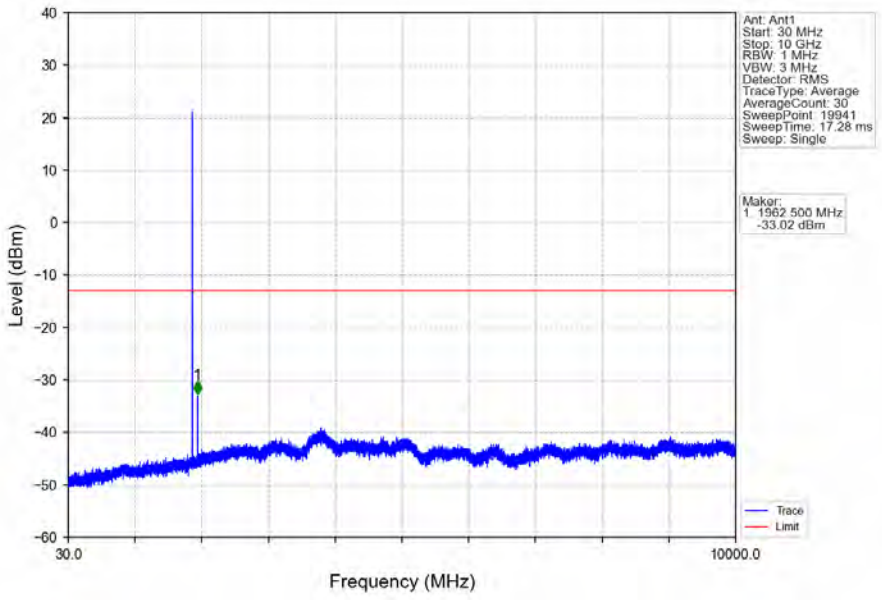

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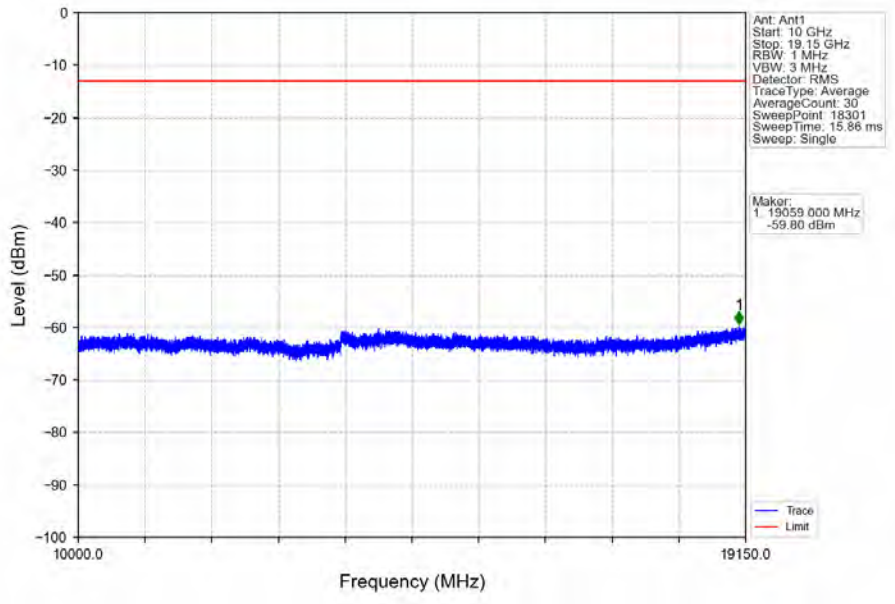

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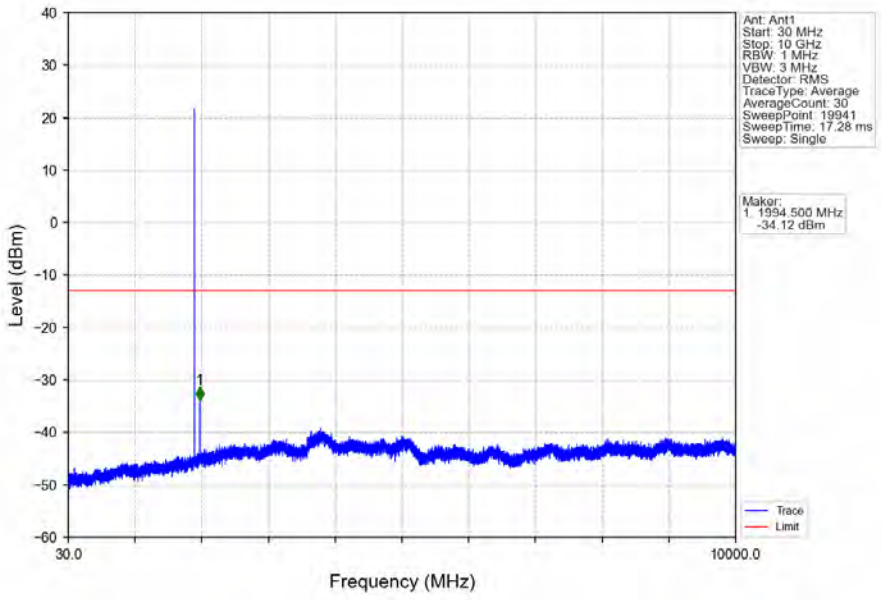

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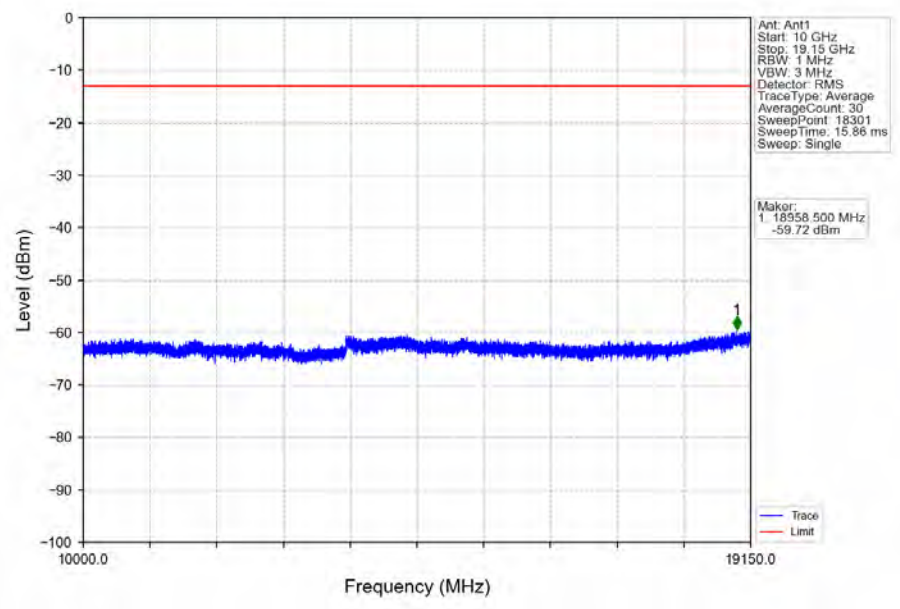

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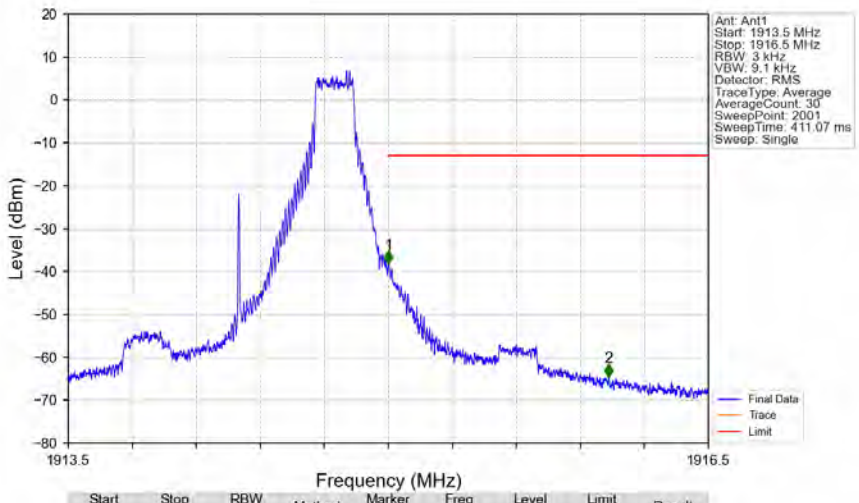

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1913.5	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-38.27	-13	Pass
1916	1916.5	1	/	2	1916.034	-64.58	-13	Pass

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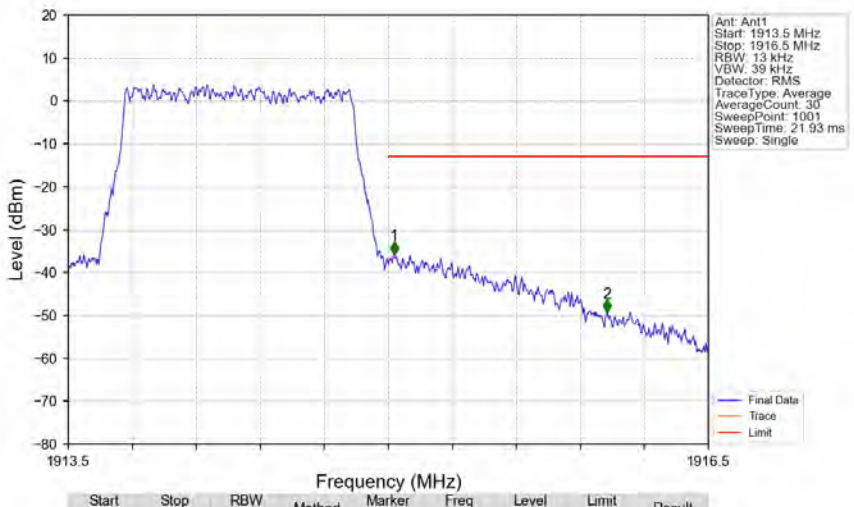

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1913.5	1915	0.013	/	/	/	/	/	/
1915	1916	0.013	/	1	1915.027	-35.84	-13	Pass
1916	1916.5	1	/	2	1916.026	-49.29	-13	Pass

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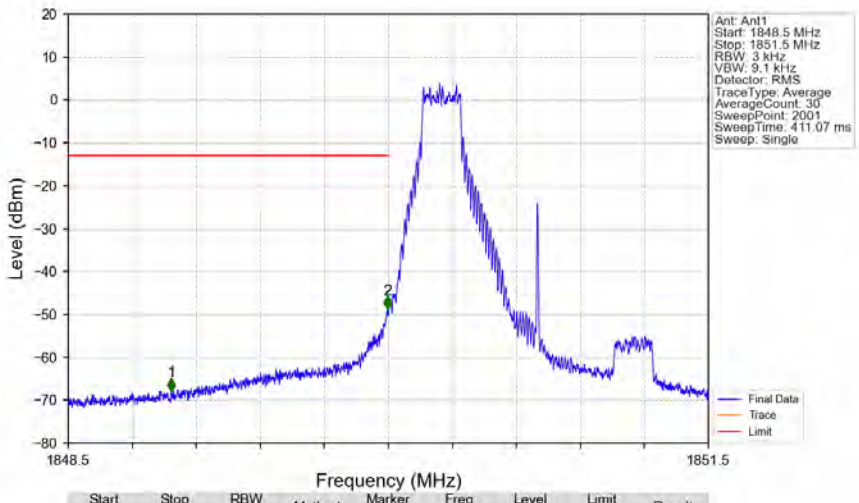
Band25_1.4MHz_256QAM_LCH_1850.7MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.983	-67.93	-13	Pass
1849	1850	0.003	/	2	1849.997	-48.73	-13	Pass
1850	1851.5	0.003	/	/	/	/	/	/

Band25_1.4MHz_256QAM_LCH_1850.7MHz_RB_1_0_NTNV

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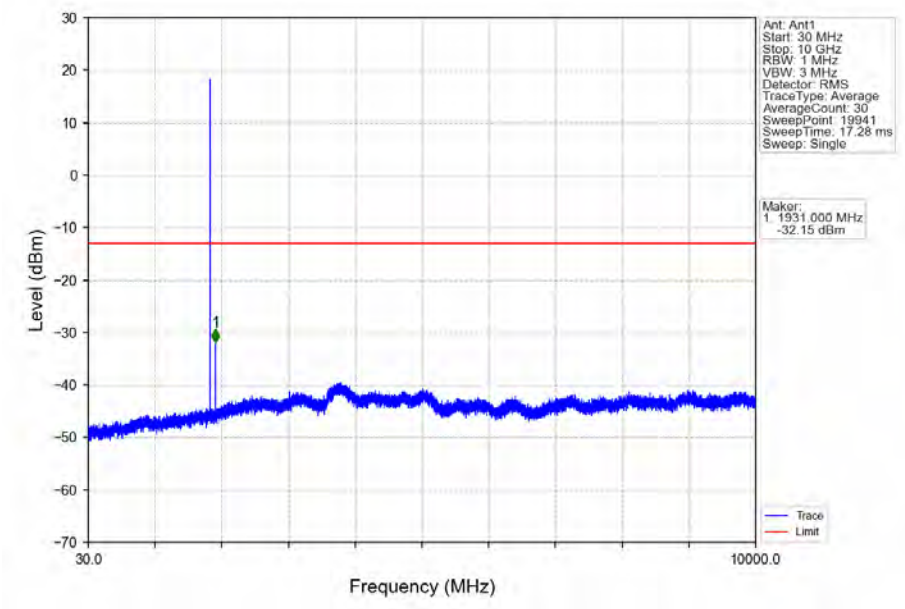

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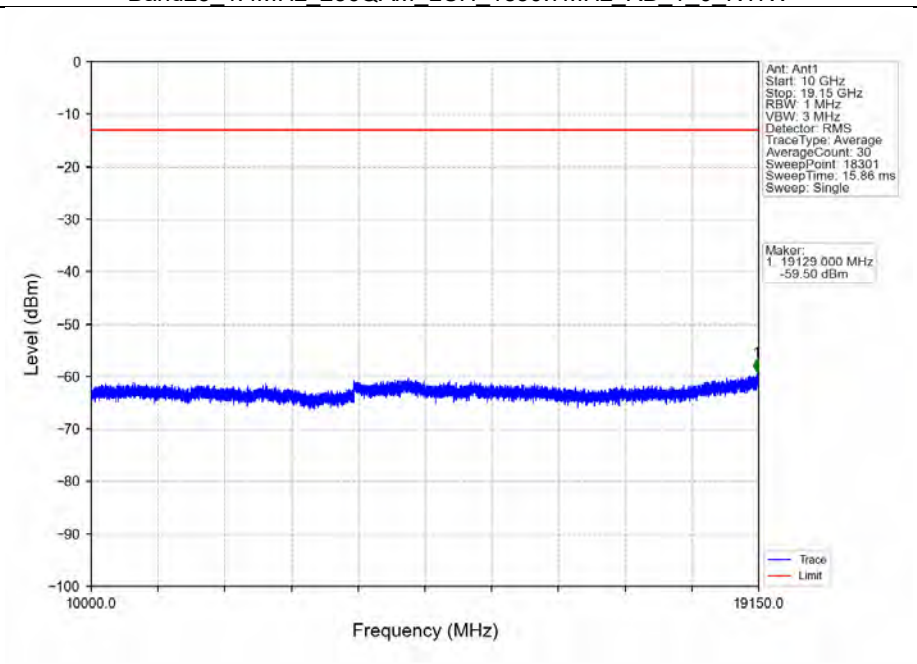

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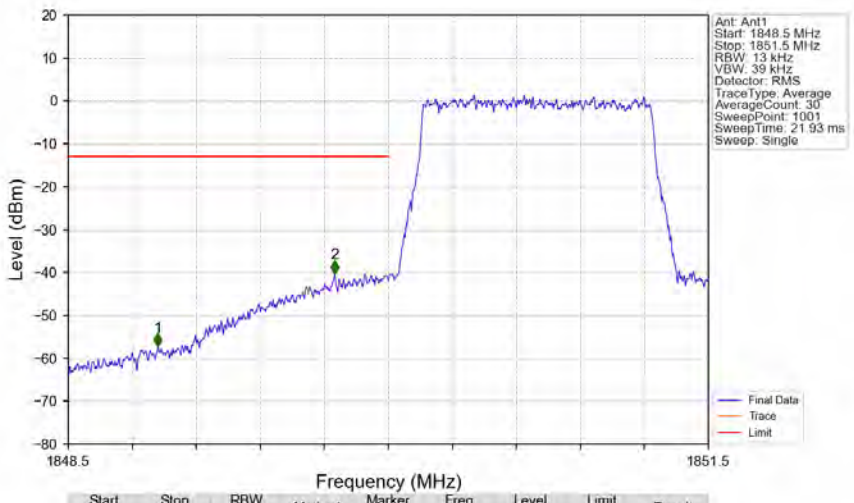

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.920	-57.32	-13	Pass
1849	1850	0.013	/	2	1849.748	-40.25	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/

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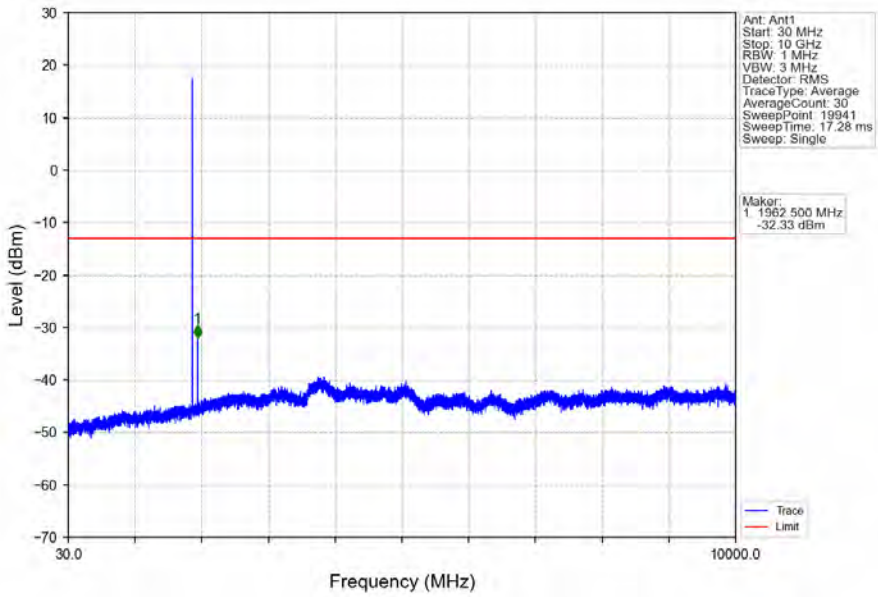

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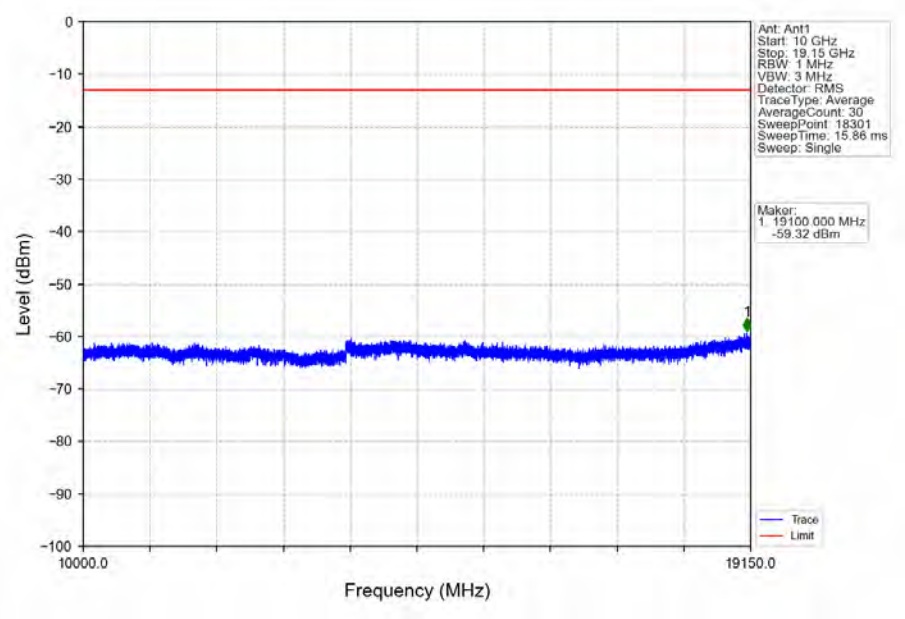

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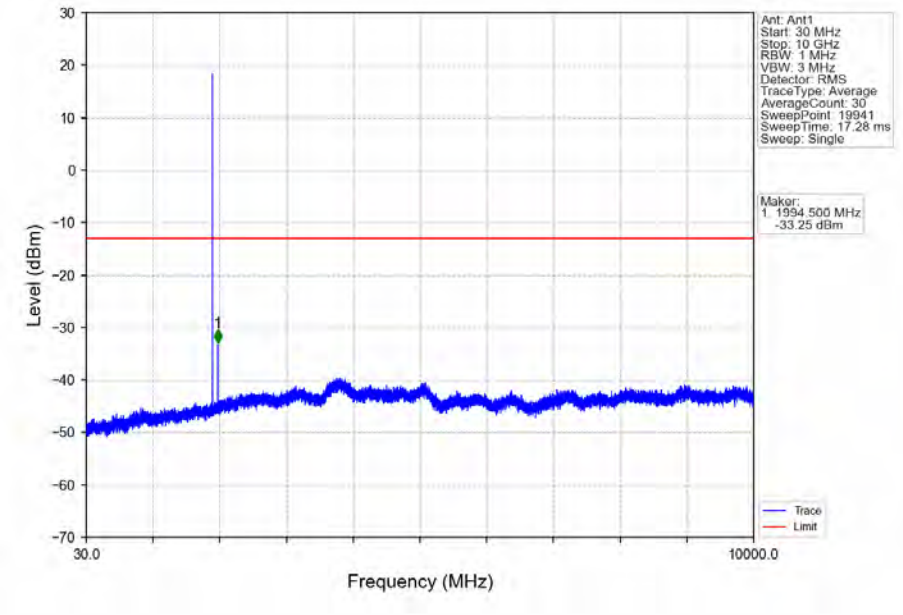

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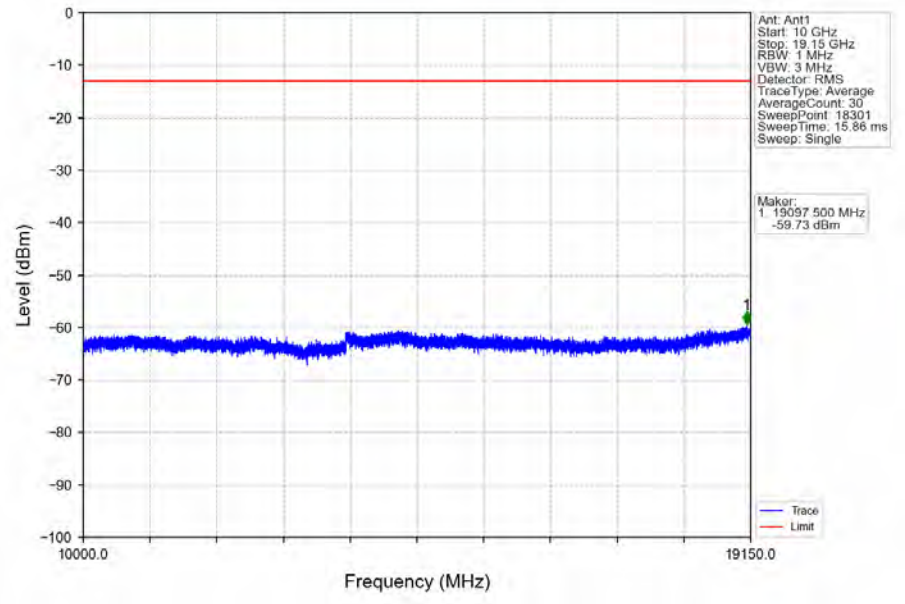

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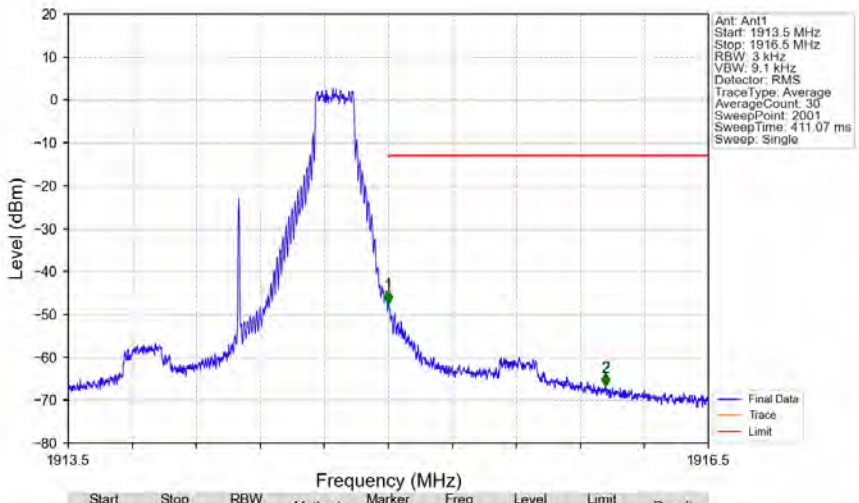

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1913.5	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.000	-47.45	-13	Pass
1916	1916.5	1	/	2	1916.017	-66.82	-13	Pass

Band25_1.4MHz_256QAM_HCH_1914.3MHz_RB_6_0_NTNV

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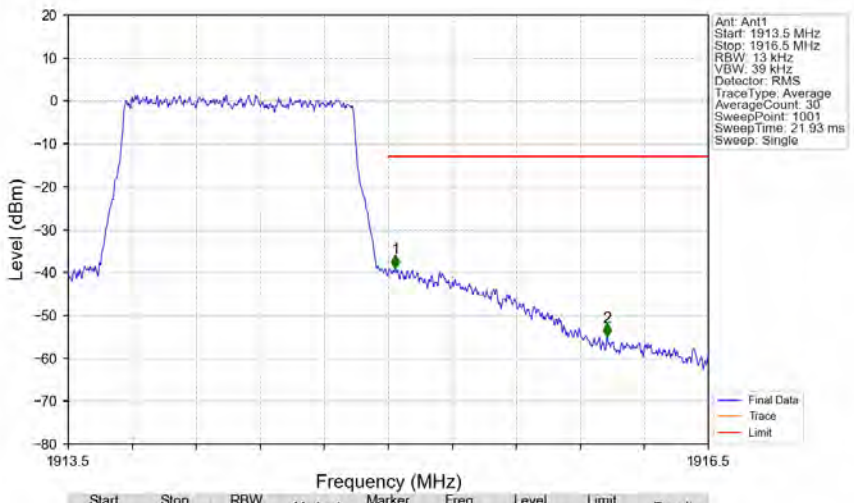

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1913.5	1915	0.013	/	/	/	/	/	/
1915	1916	0.013	/	1	1915.033	-39.01	-13	Pass
1916	1916.5	1	/	2	1916.026	-54.95	-13	Pass

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5.2 B25_3MHz

5.2.1 Test Result

Band: 25 / 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
	1882.5	1	0	Refer To Test Graph		Pass
	1913.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	1851.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1913.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
64QAM	1851.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1913.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
256QAM	1851.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1913.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

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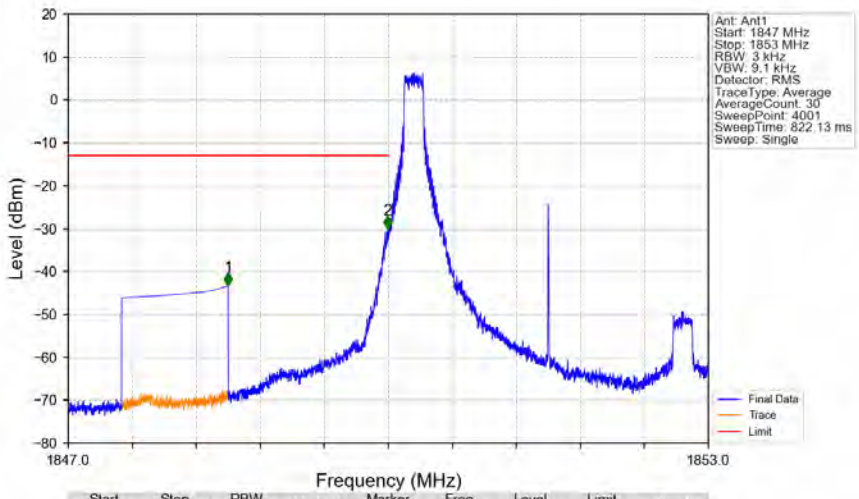
5.2.2 Test Graph

Band25_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.498	-43.27	-13	Pass
1849	1850	0.003	/	2	1849.995	-30.06	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

Band25_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV

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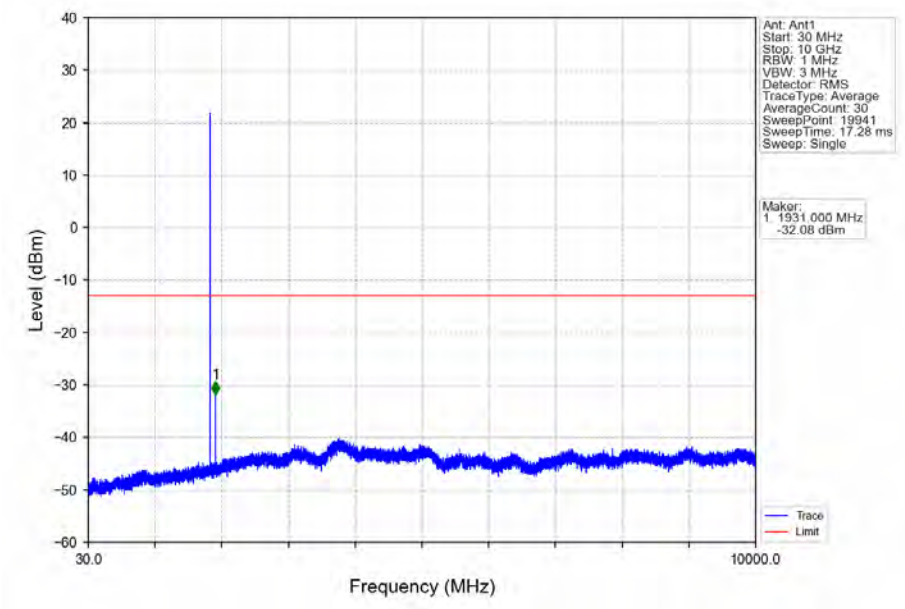

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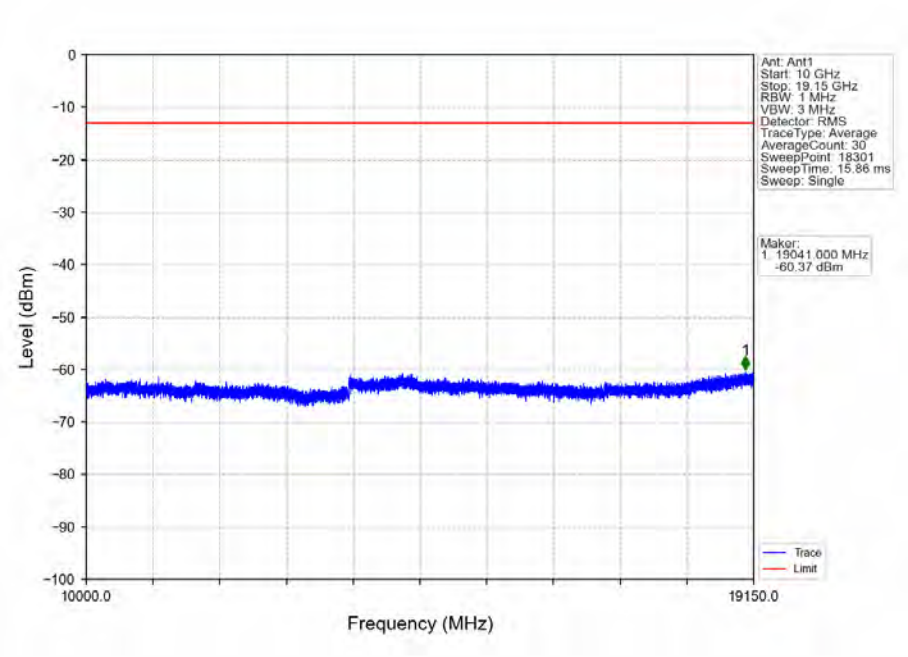
Band25_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV

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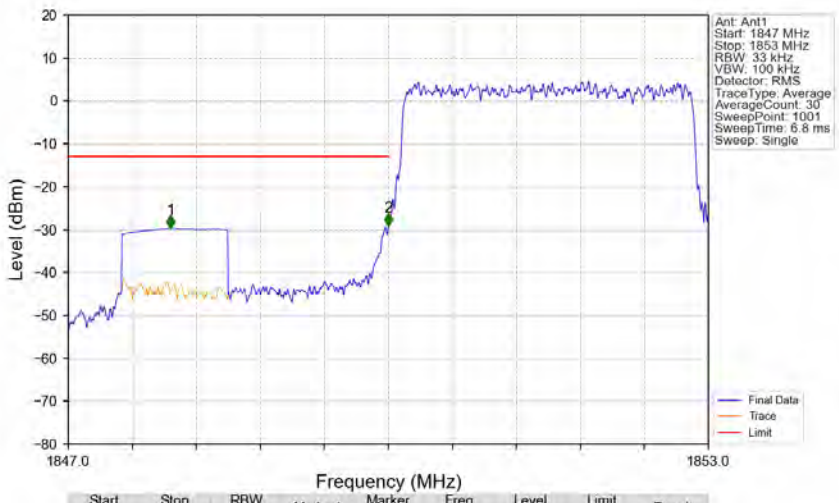

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1847.960	-29.71	-13	Pass
1849	1850	0.033	/	2	1850.000	-29.18	-13	Pass
1850	1853	0.033	/	/	/	/	/	/

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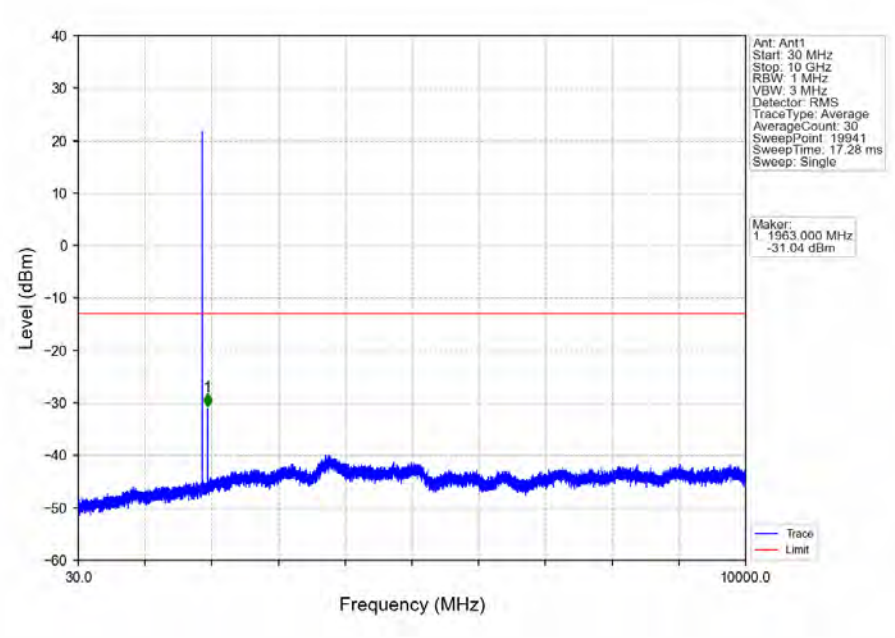
Band25_3MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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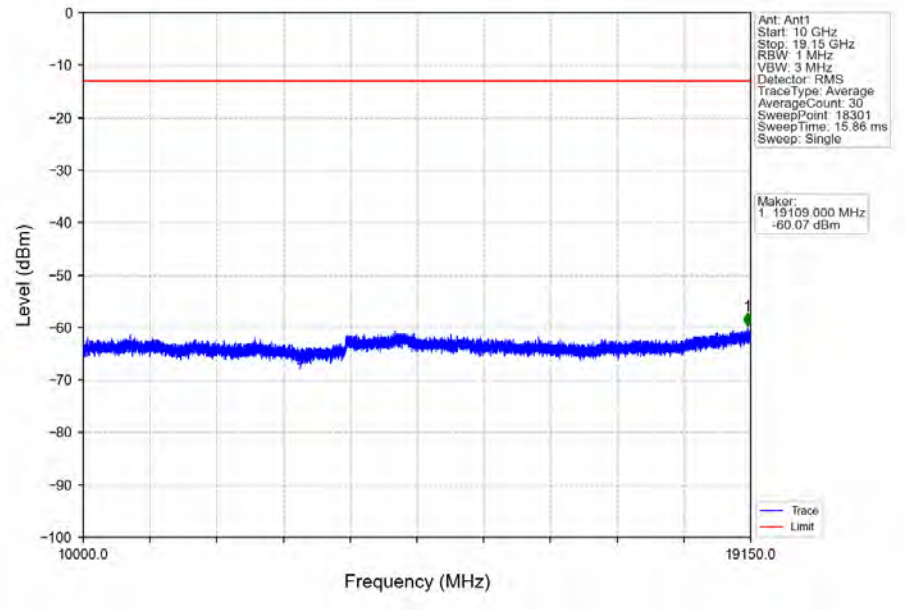

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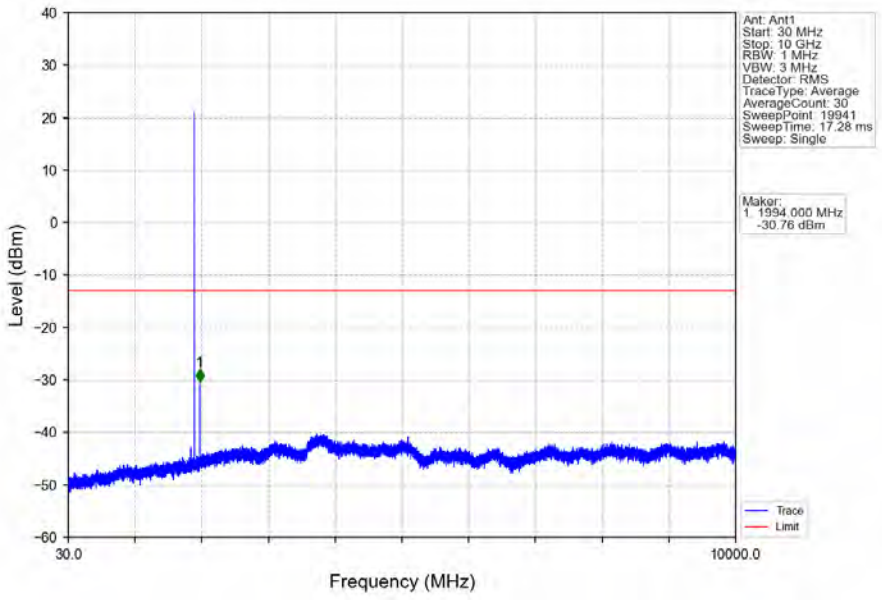
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_1_0_NTNV



Band25_3MHz_QPSK_HCH_1913.5MHz_RB_1_0_NTNV

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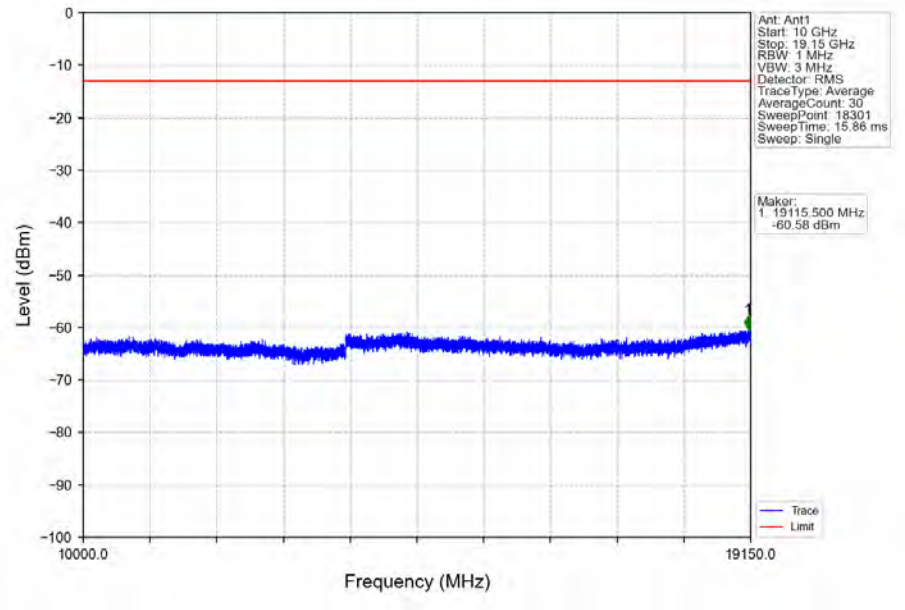

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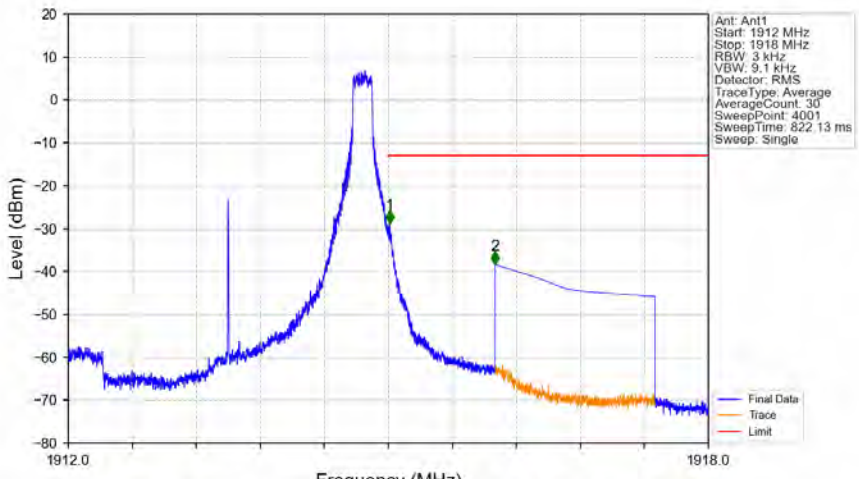
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.012	-28.87	-13	Pass
1916	1918	1	CHP	2	1916.001	-38.35	-13	Pass

Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV

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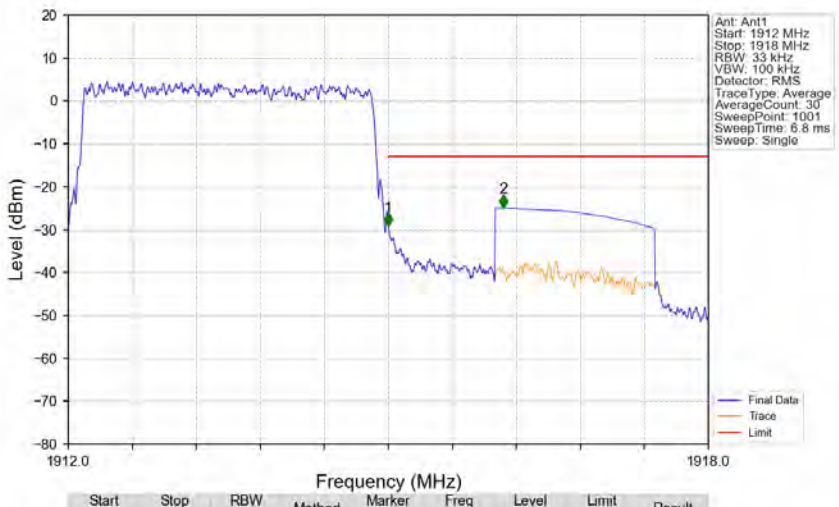

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.033	/	/	/	/	/	/
1915	1916	0.033	/	1	1915.000	-29.19	-13	Pass
1916	1918	1	CHP	2	1916.080	-24.90	-13	Pass

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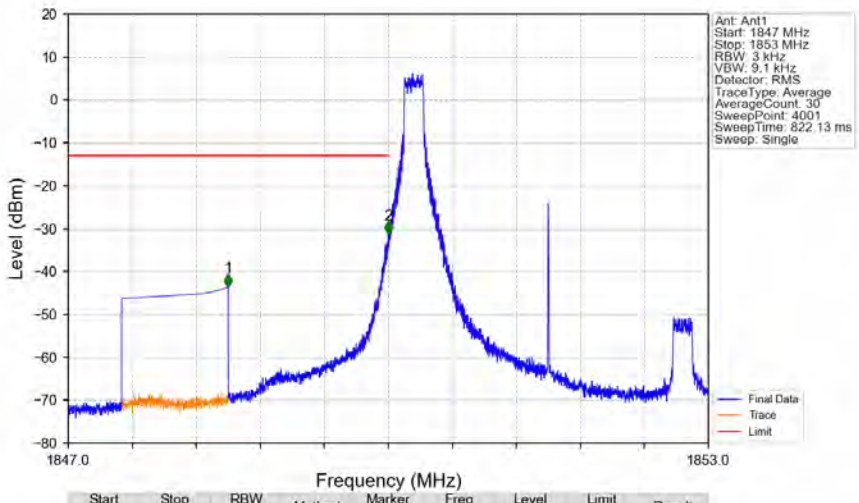

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.498	-43.61	-13	Pass
1849	1850	0.003	/	2	1850.000	-31.28	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

Band25_3MHz_16QAM_LCH_1851.5MHz_RB_1_0_NTNV

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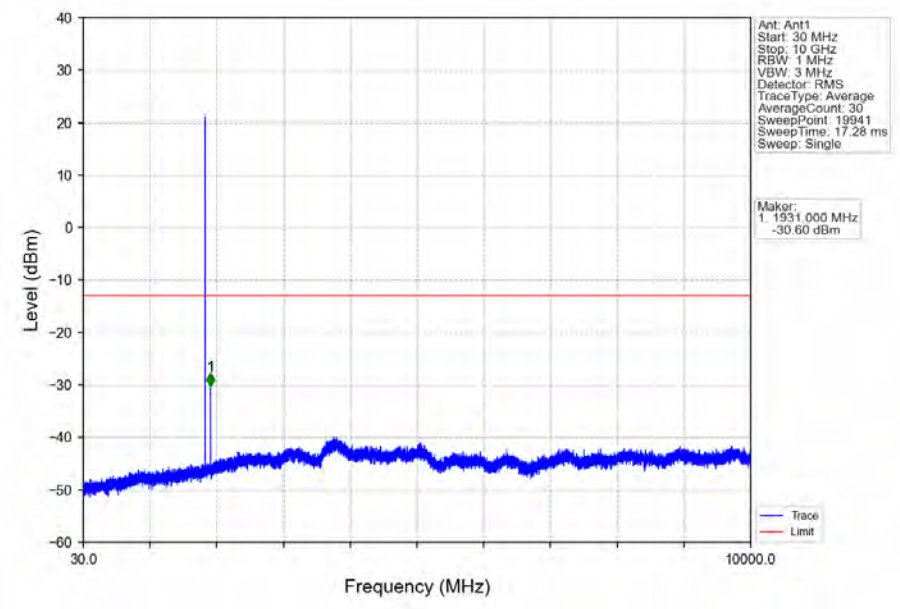

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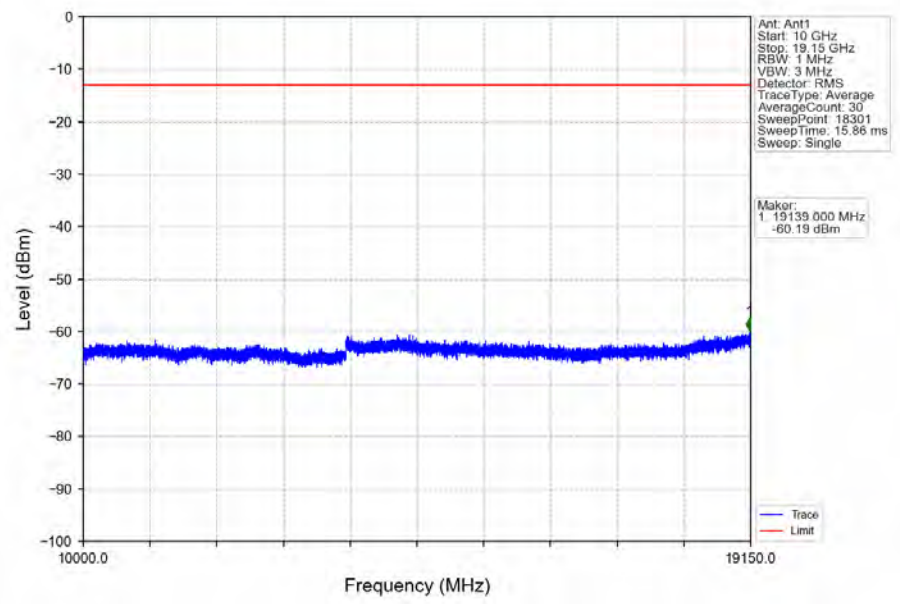

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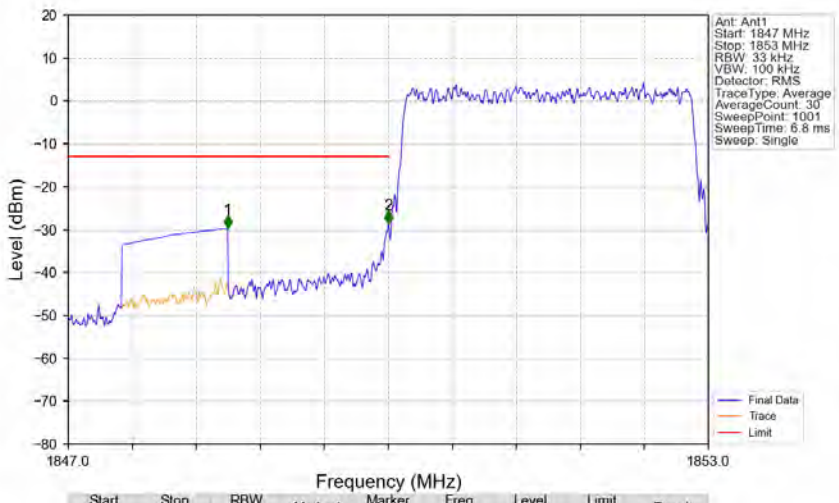

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.494	-29.74	-13	Pass
1849	1850	0.033	/	2	1850.000	-28.75	-13	Pass
1850	1853	0.033	/	/	/	/	/	/

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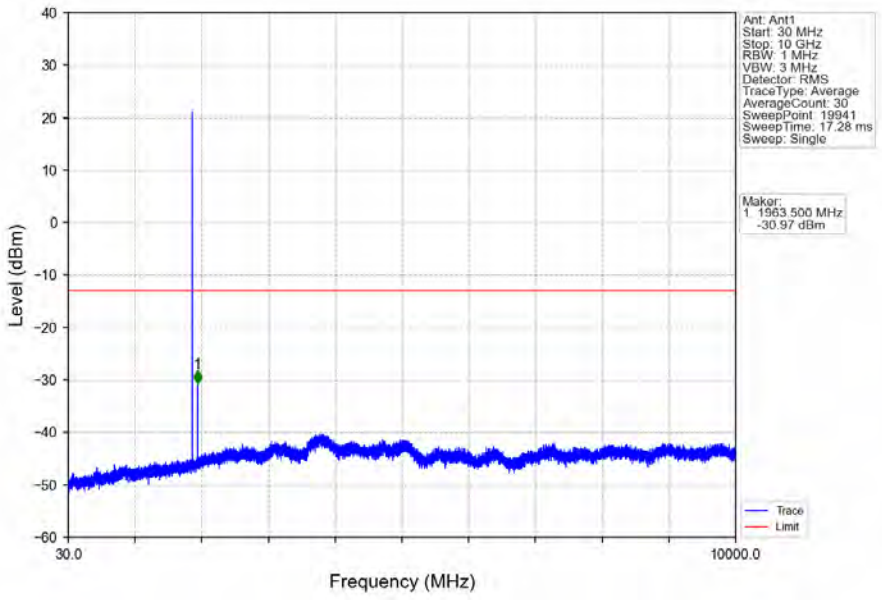
Band25_3MHz_16QAM_MCH_1882.5MHz_RB_1_0_NTNV



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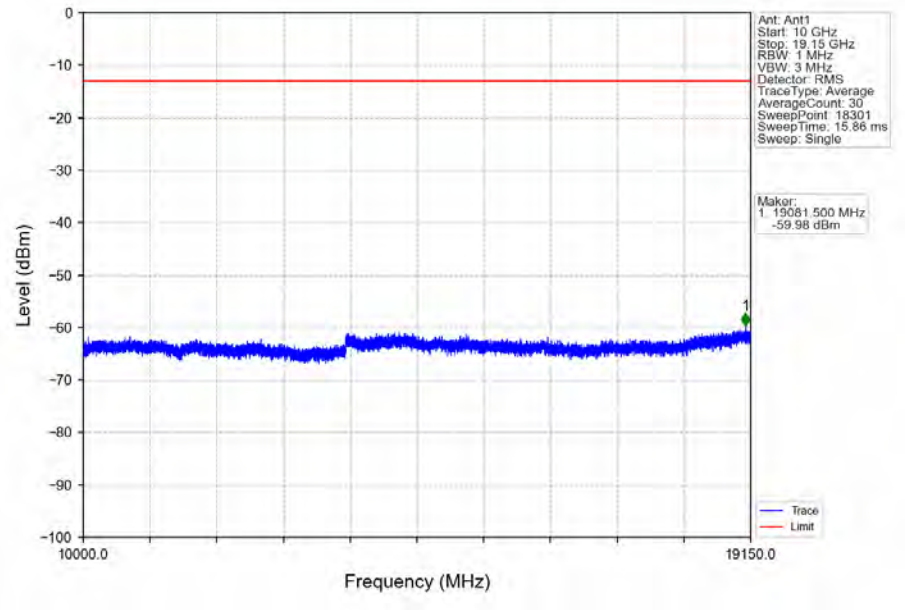

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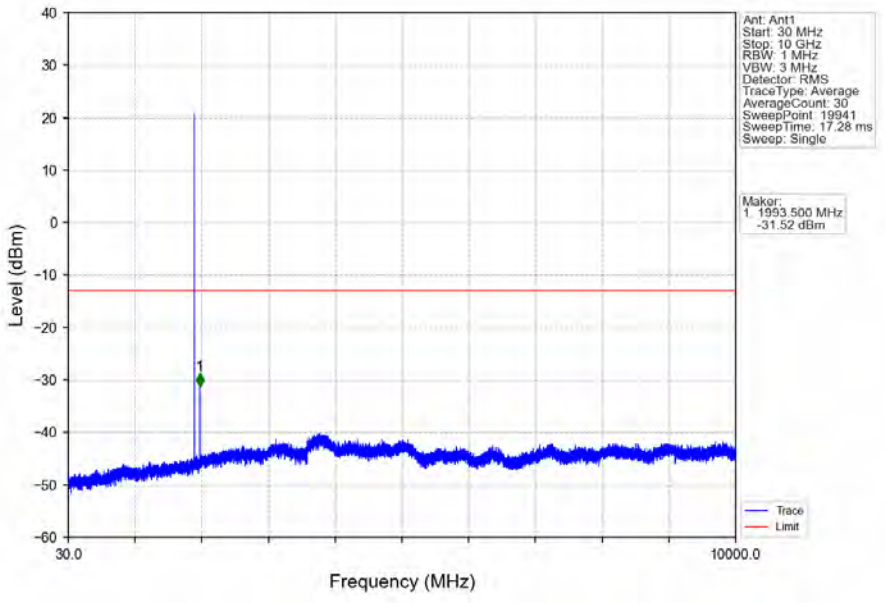
Band25_3MHz_16QAM_HCH_1913.5MHz_RB_1_0_NTNV



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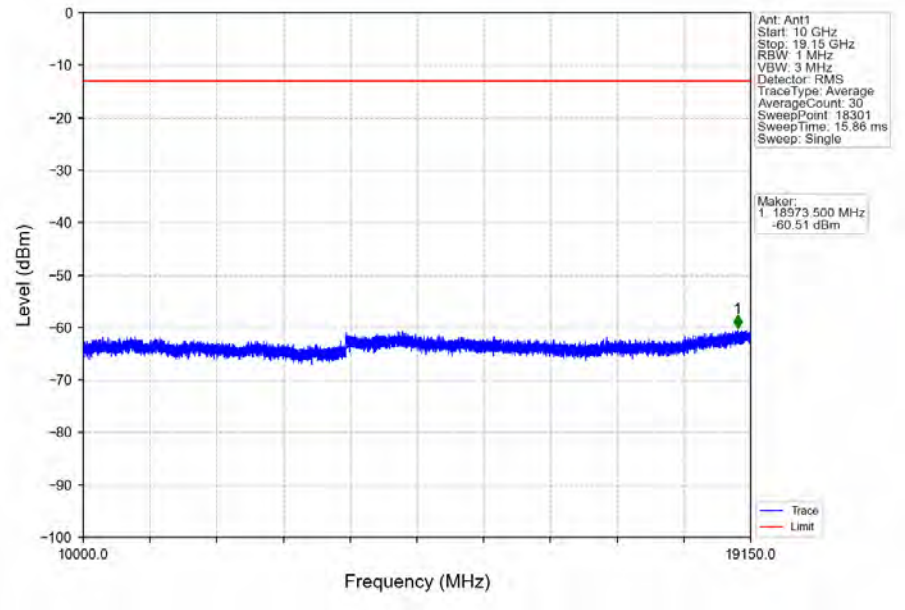

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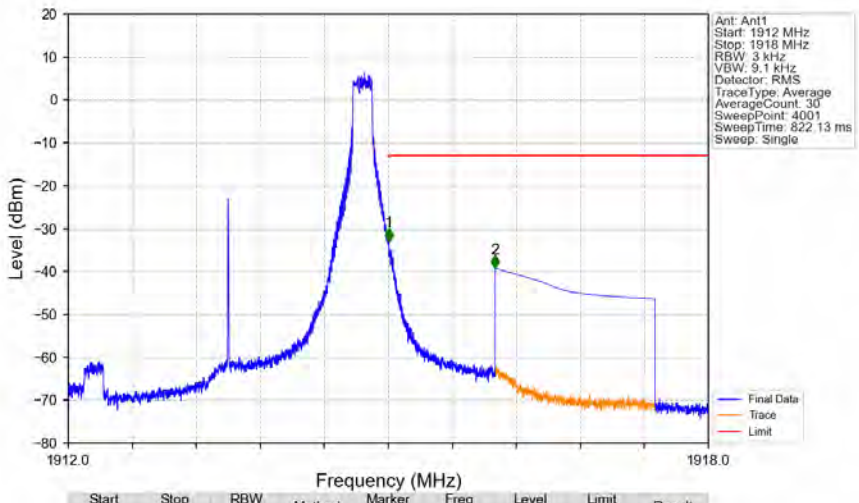

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.005	-33.02	-13	Pass
1916	1918	1	CHP	2	1916.001	-39.22	-13	Pass

Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV

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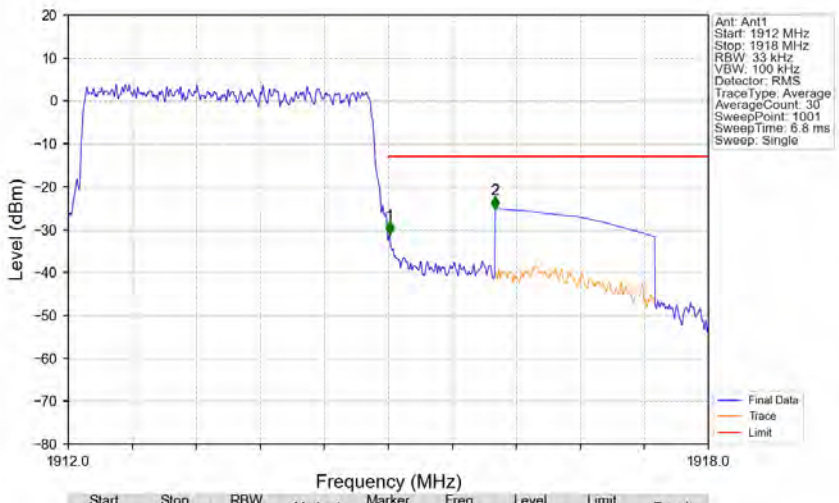

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.033	/	/	/	/	/	/
1915	1916	0.033	/	1	1915.012	-31.15	-13	Pass
1916	1918	1	CHP	2	1916.002	-25.24	-13	Pass

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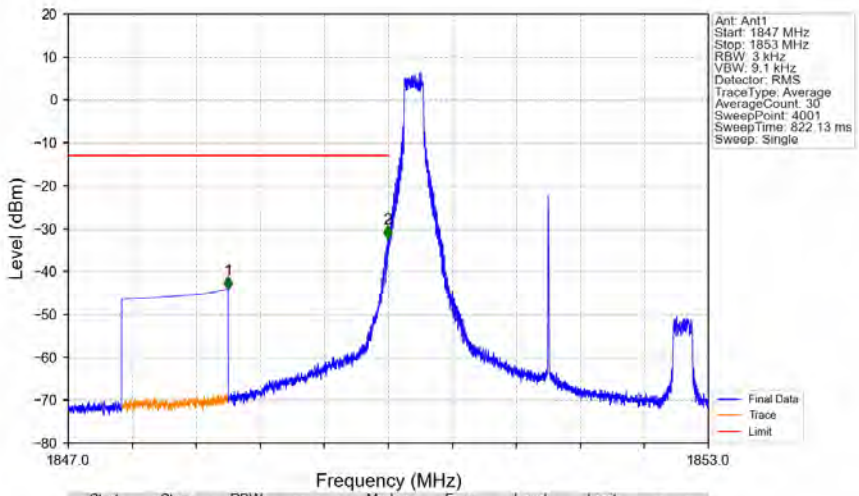
Band25_3MHz_64QAM_LCH_1851.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.498	-44.13	-13	Pass
1849	1850	0.003	/	2	1849.995	-32.30	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

Band25_3MHz_64QAM_LCH_1851.5MHz_RB_1_0_NTNV

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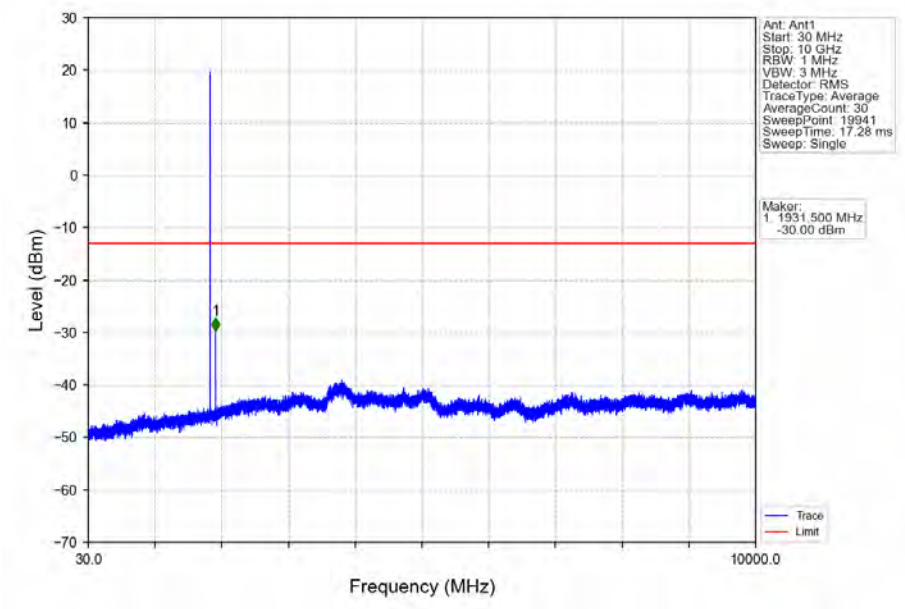

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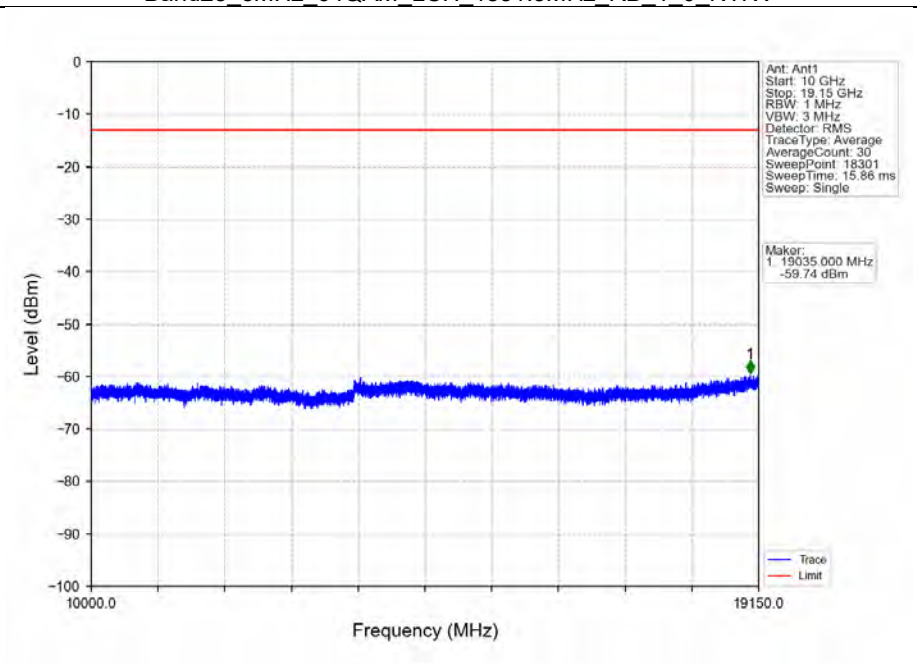

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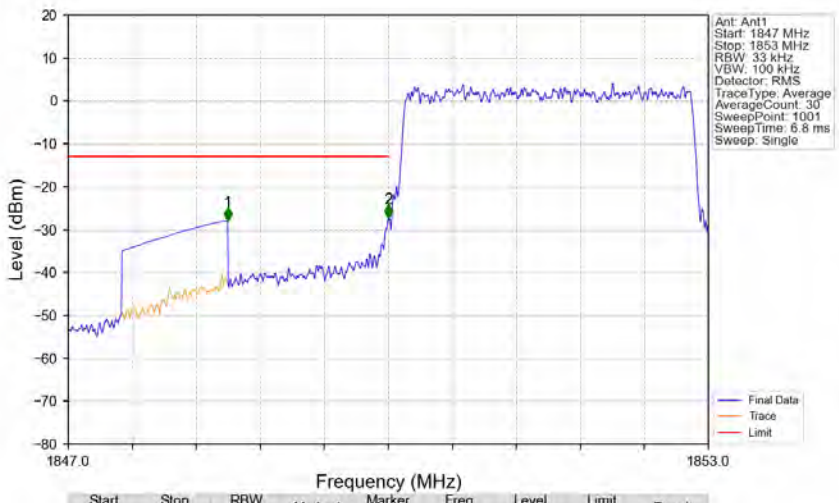

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.494	-28.00	-13	Pass
1849	1850	0.033	/	2	1850.000	-27.23	-13	Pass
1850	1853	0.033	/	/	/	/	/	/

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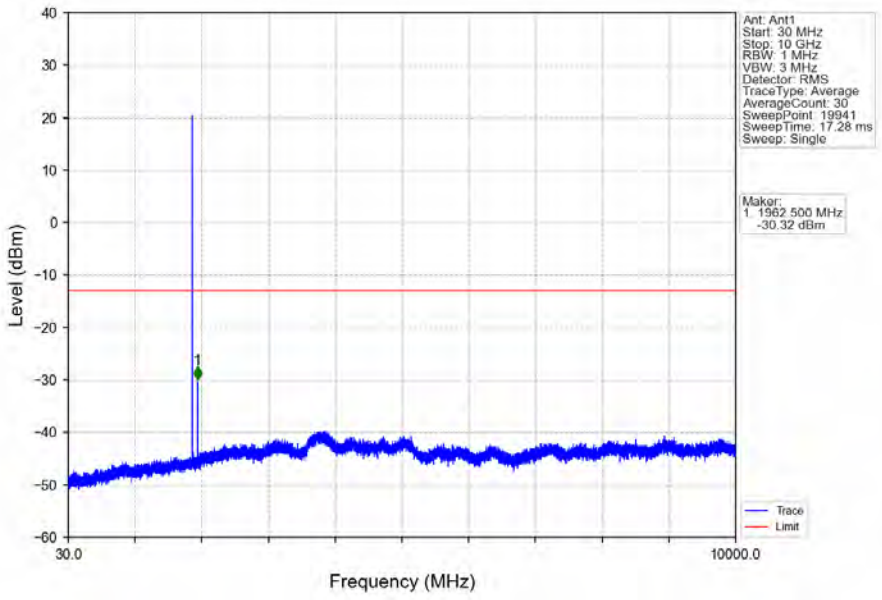

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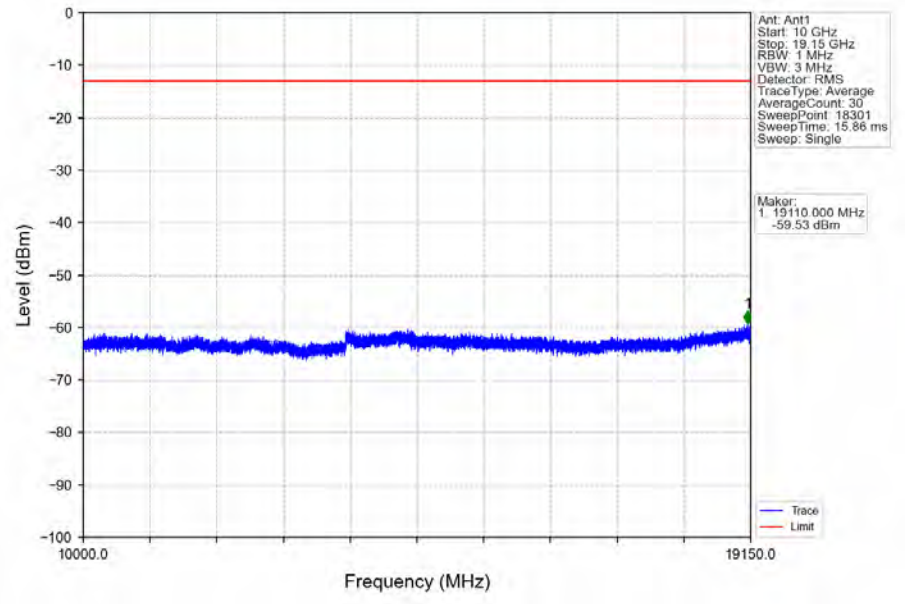

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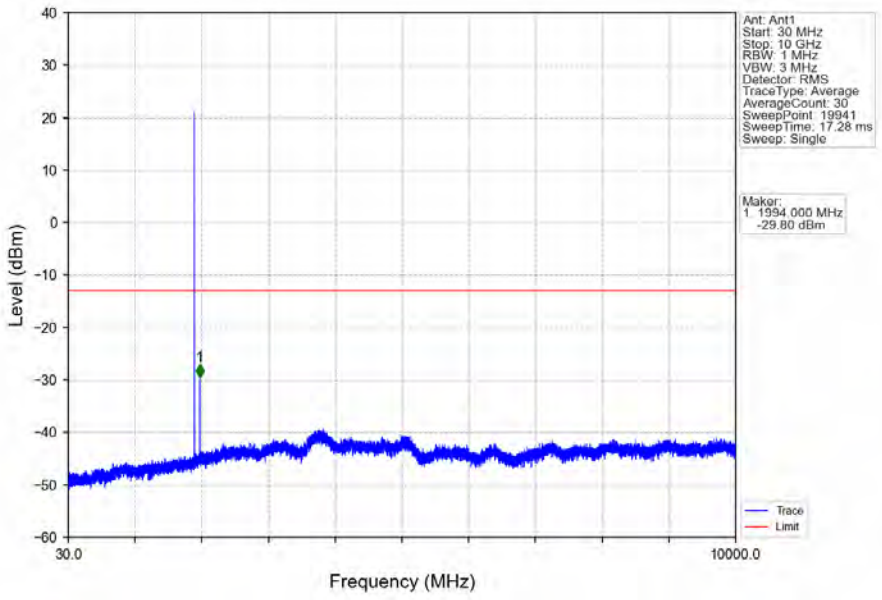
Band25_3MHz_64QAM_HCH_1913.5MHz_RB_1_0_NTNV



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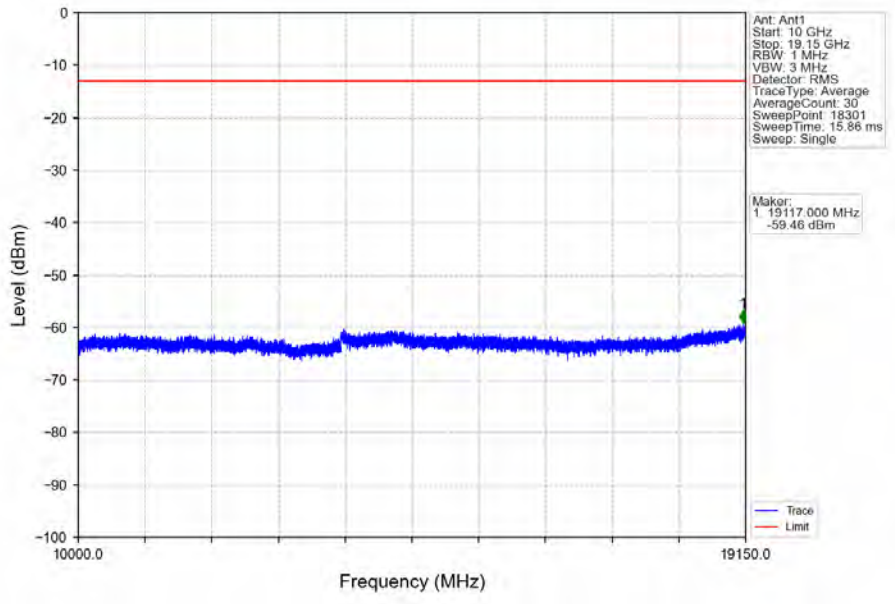

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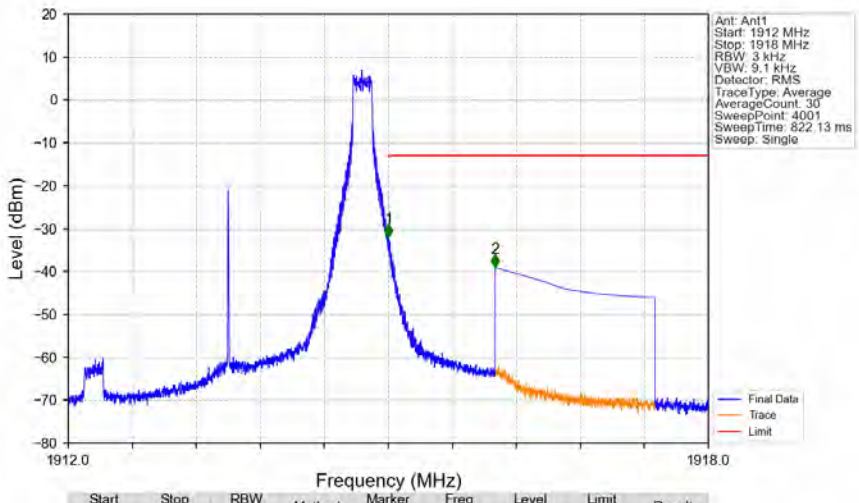
Band25_3MHz_64QAM_HCH_1913.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-31.97	-13	Pass
1916	1918	1	CHP	2	1916.001	-39.03	-13	Pass

Band25_3MHz_64QAM_HCH_1913.5MHz_RB_15_0_NTNV

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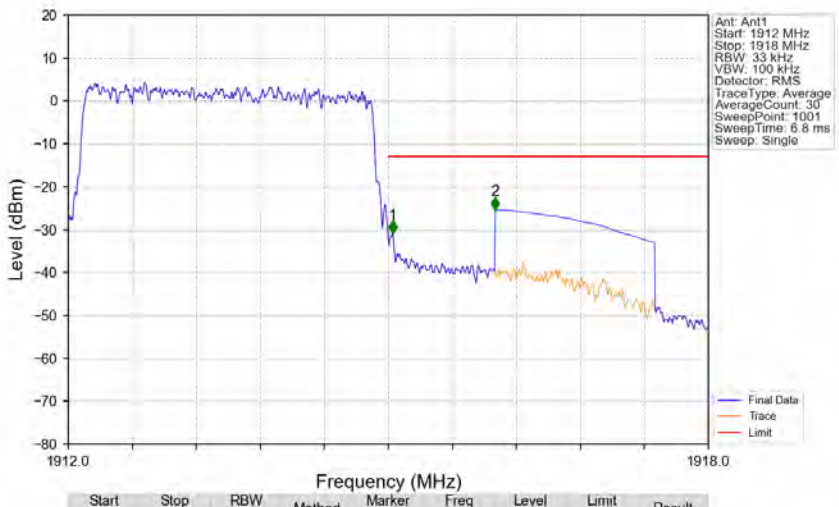

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.033	/	/	/	/	/	/
1915	1916	0.033	/	1	1915.042	-30.93	-13	Pass
1916	1918	1	CHP	2	1916.002	-25.43	-13	Pass

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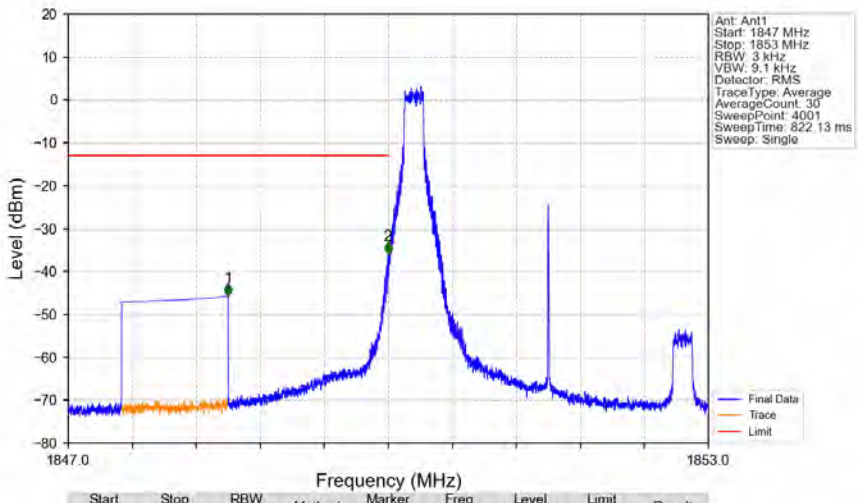
Band25_3MHz_256QAM_LCH_1851.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.498	-45.74	-13	Pass
1849	1850	0.003	/	2	1849.997	-36.11	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

Band25_3MHz_256QAM_LCH_1851.5MHz_RB_1_0_NTNV

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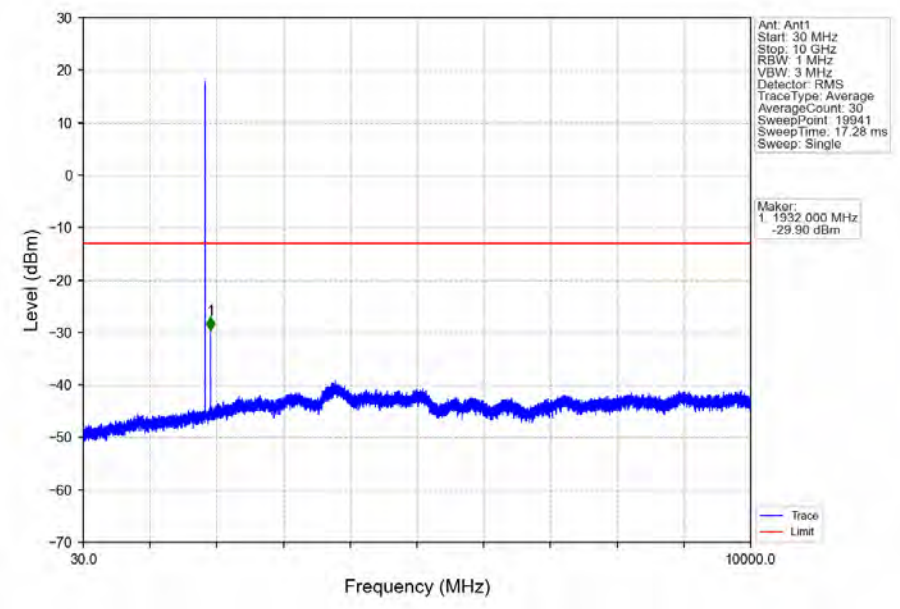

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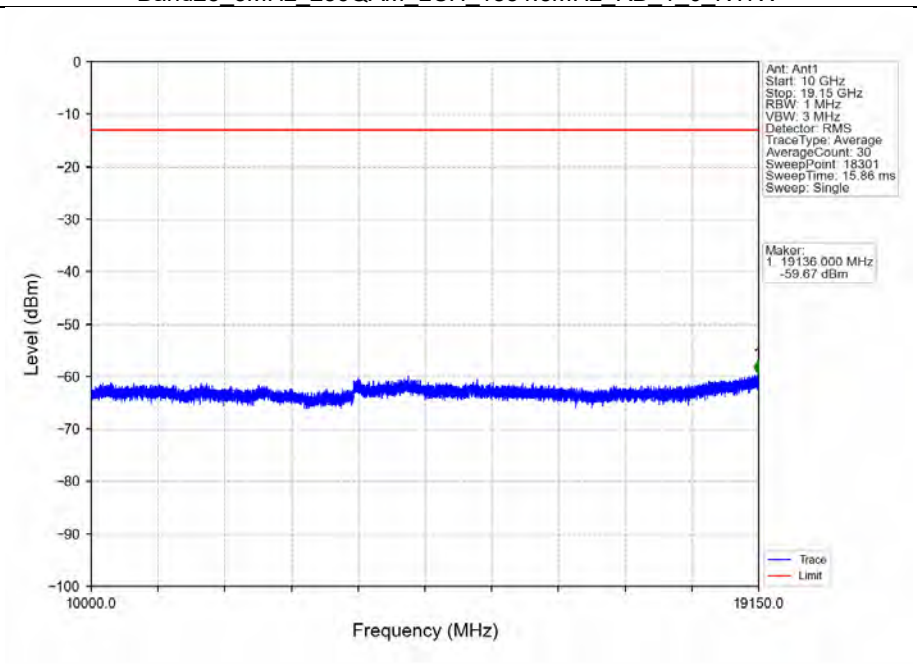
Band25_3MHz_256QAM_LCH_1851.5MHz_RB_1_0_NTNV



Band25_3MHz_256QAM_LCH_1851.5MHz_RB_15_0_NTNV

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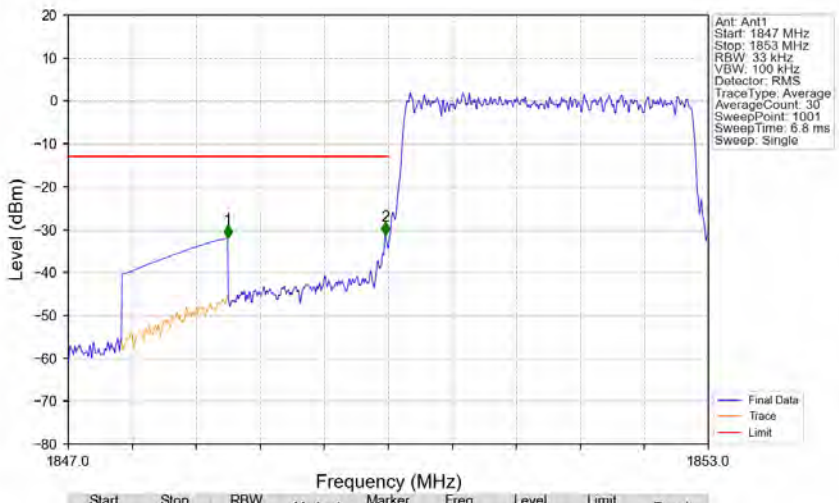

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.494	-32.06	-13	Pass
1849	1850	0.033	/	2	1849.970	-31.27	-13	Pass
1850	1853	0.033	/	/	/	/	/	/

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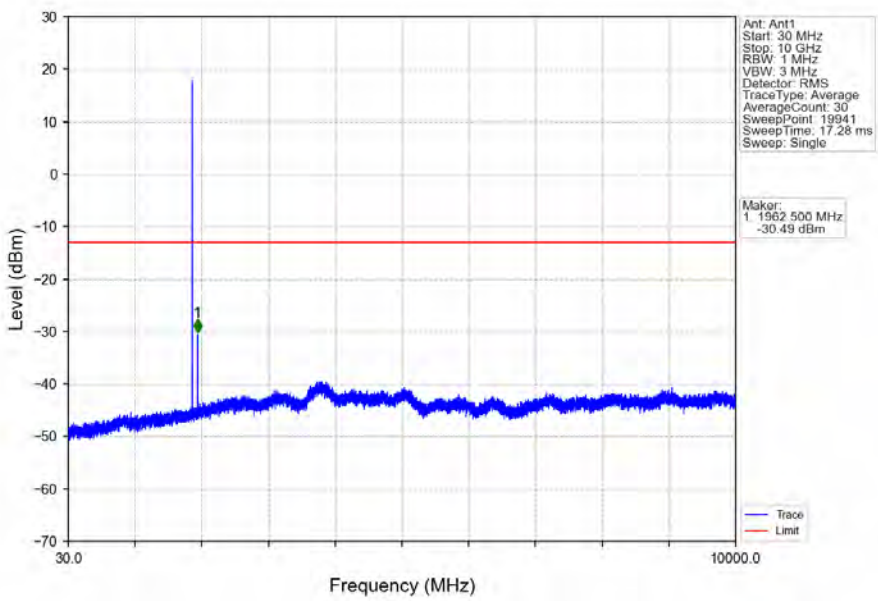

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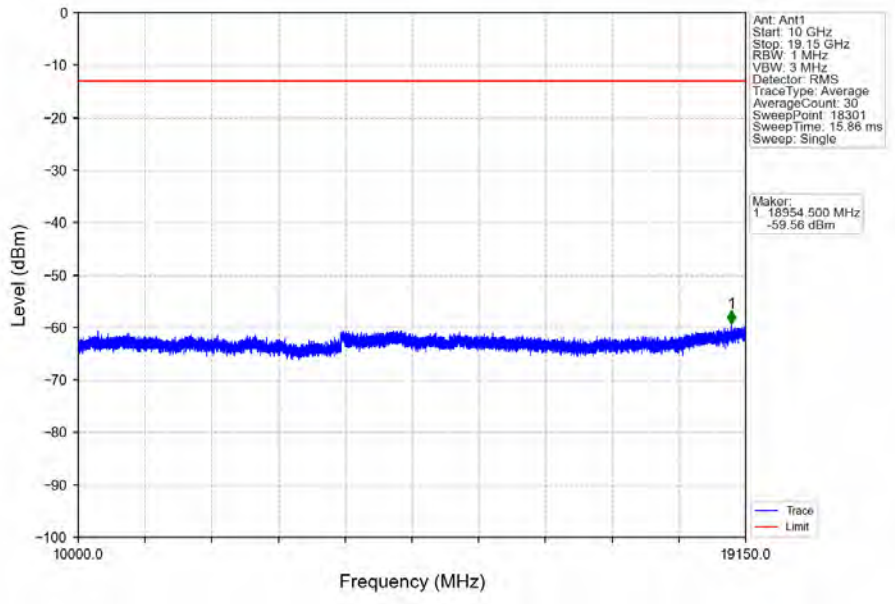

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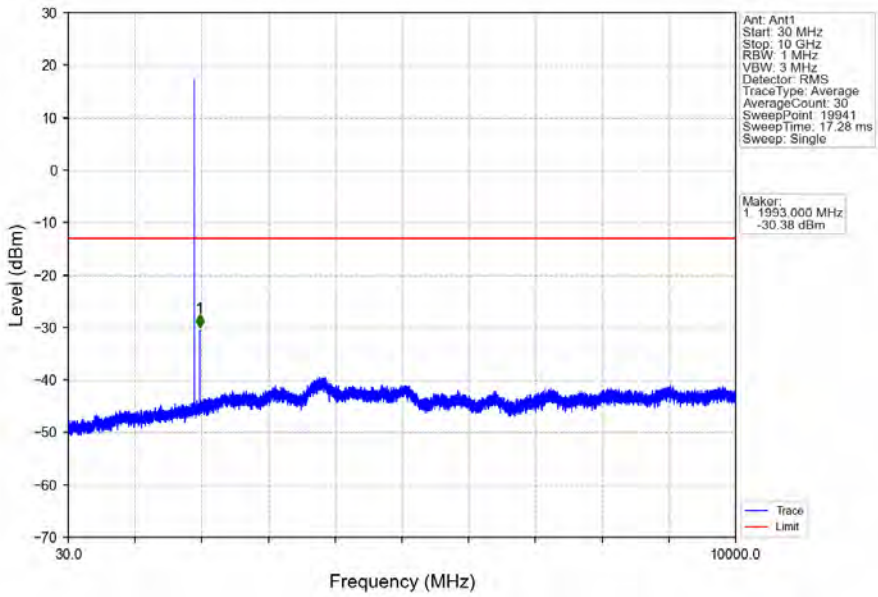
Band25_3MHz_256QAM_HCH_1913.5MHz_RB_1_0_NTNV



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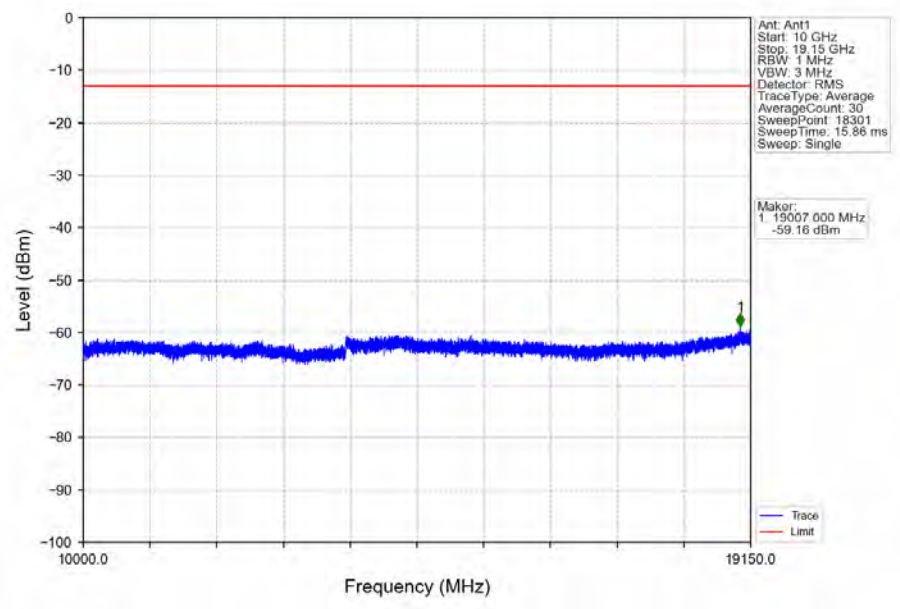

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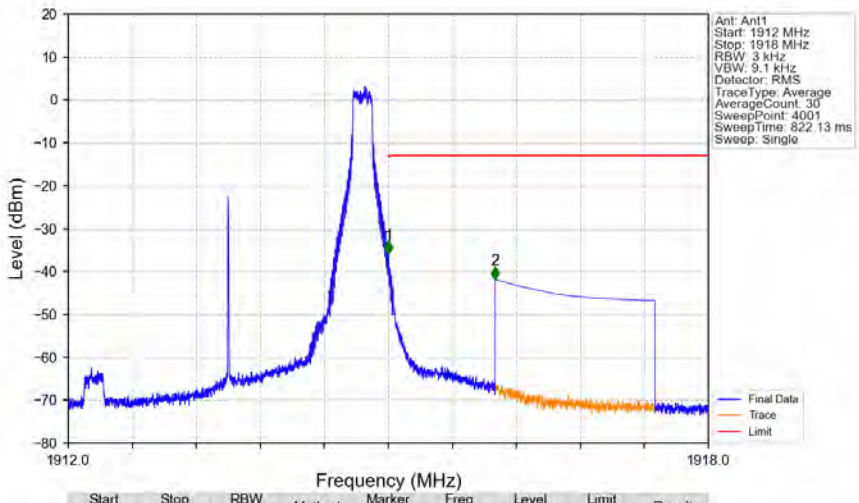

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-35.89	-13	Pass
1916	1918	1	CHP	2	1916.001	-41.84	-13	Pass

Band25_3MHz_256QAM_HCH_1913.5MHz_RB_15_0_NTNV

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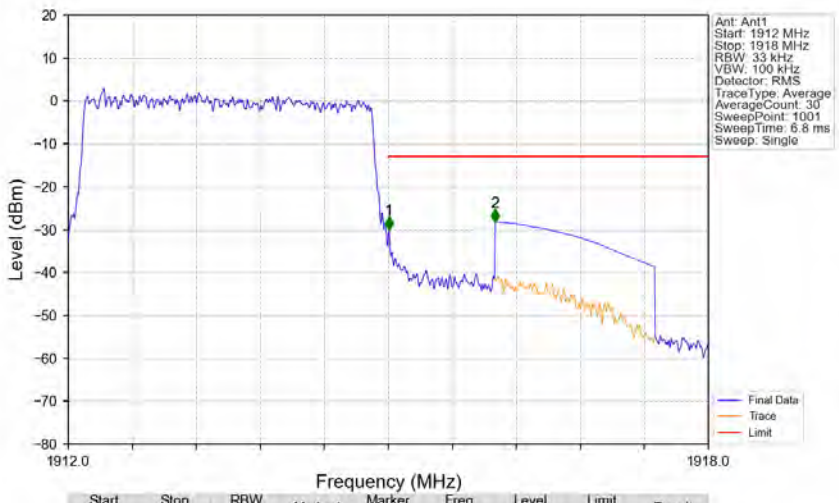

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.033	/	/	/	/	/	/
1915	1916	0.033	/	1	1915.006	-30.02	-13	Pass
1916	1918	1	CHP	2	1916.002	-28.24	-13	Pass

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5.3 B25_5MHz

5.3.1 Test Result

Band: 25 / 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
	1882.5	1	0	Refer To Test Graph		Pass
	1912.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1912.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1912.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
256QAM	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1912.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

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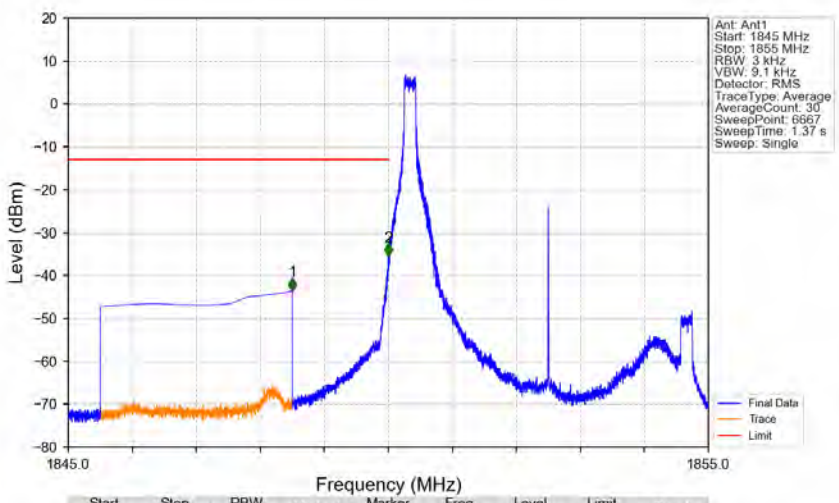
5.3.2 Test Graph

Band25_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-43.60	-13	Pass
1849	1850	0.003	/	2	1850.000	-35.55	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

Band25_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV

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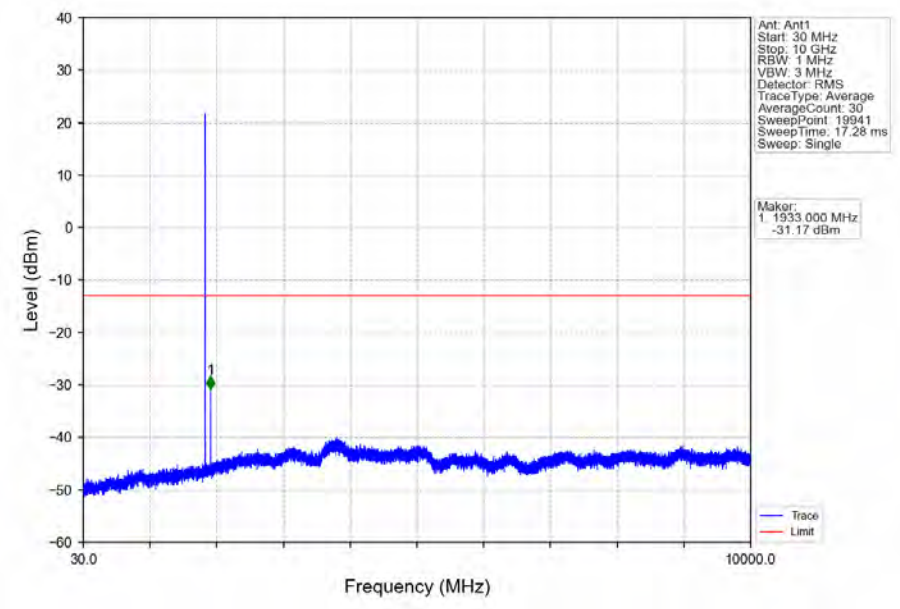

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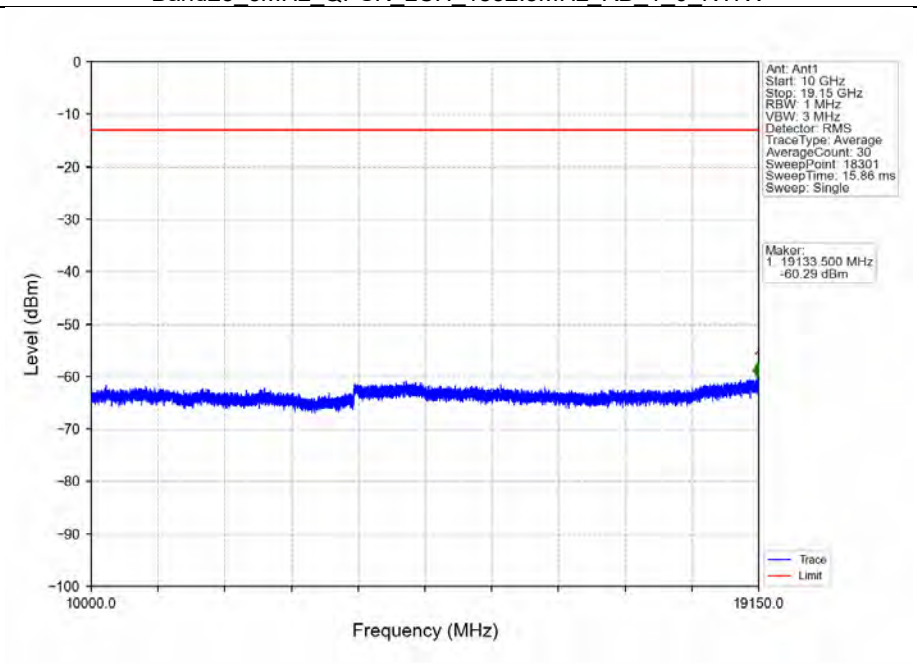
Band25_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



Band25_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV

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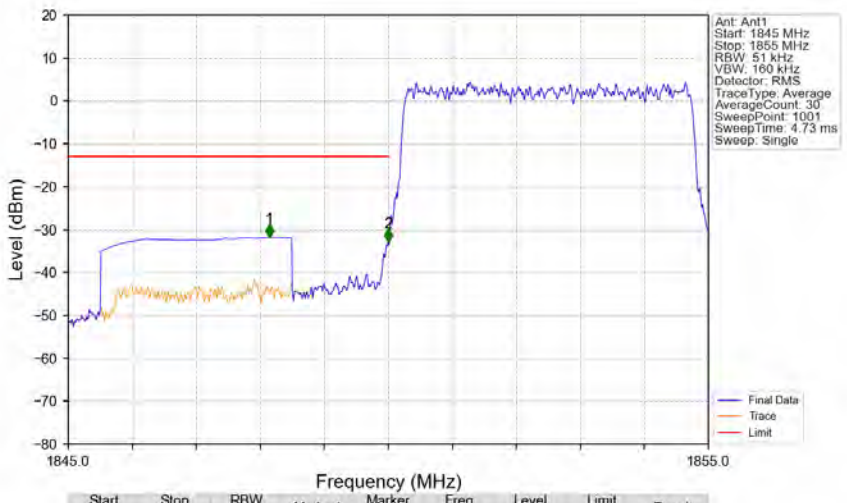

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.140	-31.85	-13	Pass
1849	1850	0.051	/	2	1850.000	-32.91	-13	Pass
1850	1855	0.051	/	/	/	/	/	/

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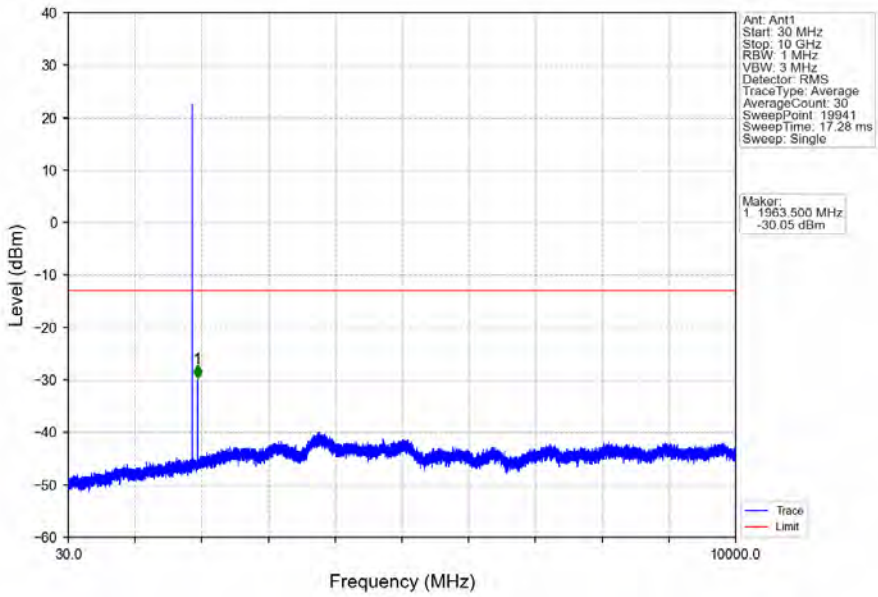
Band25_5MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



Band25_5MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV

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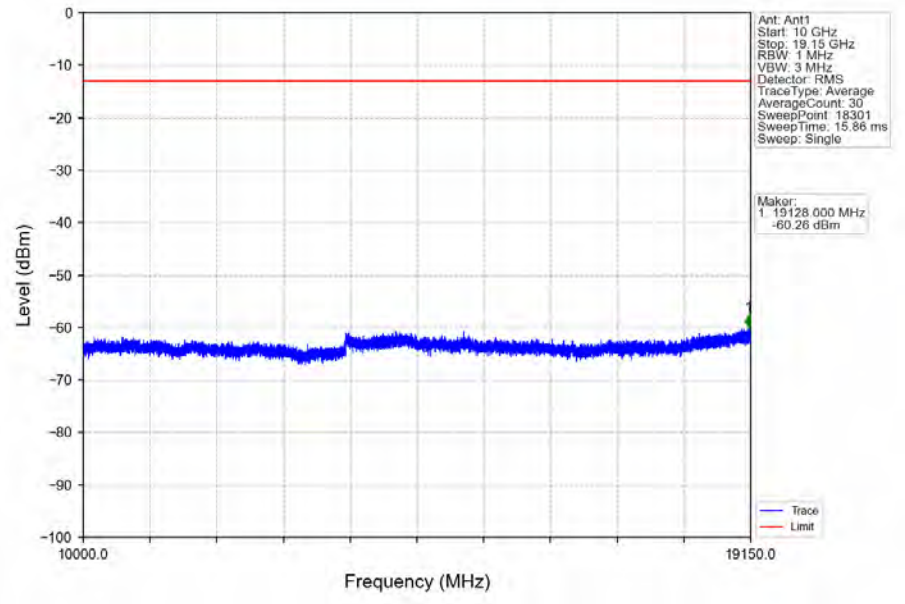

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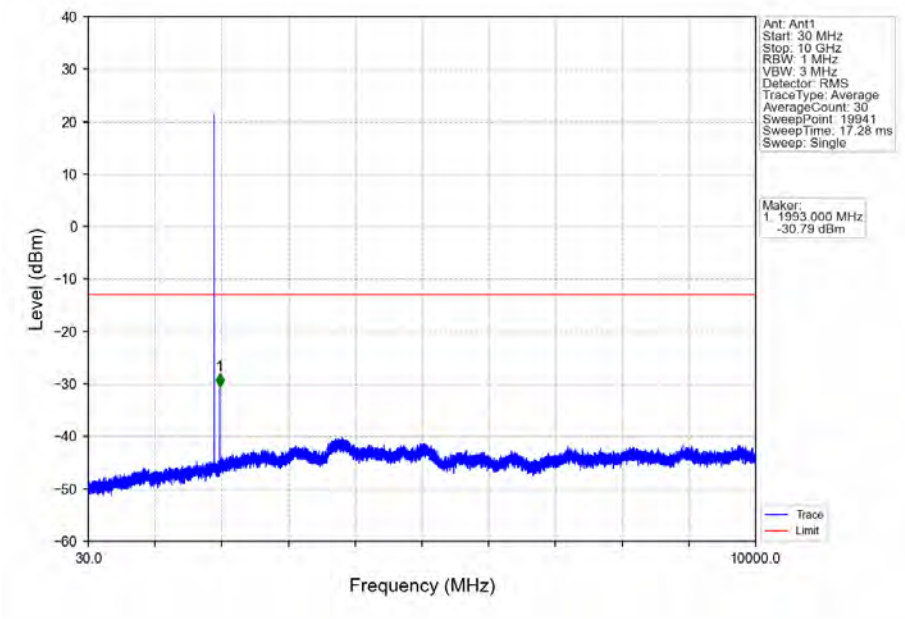
Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_0_NTNV



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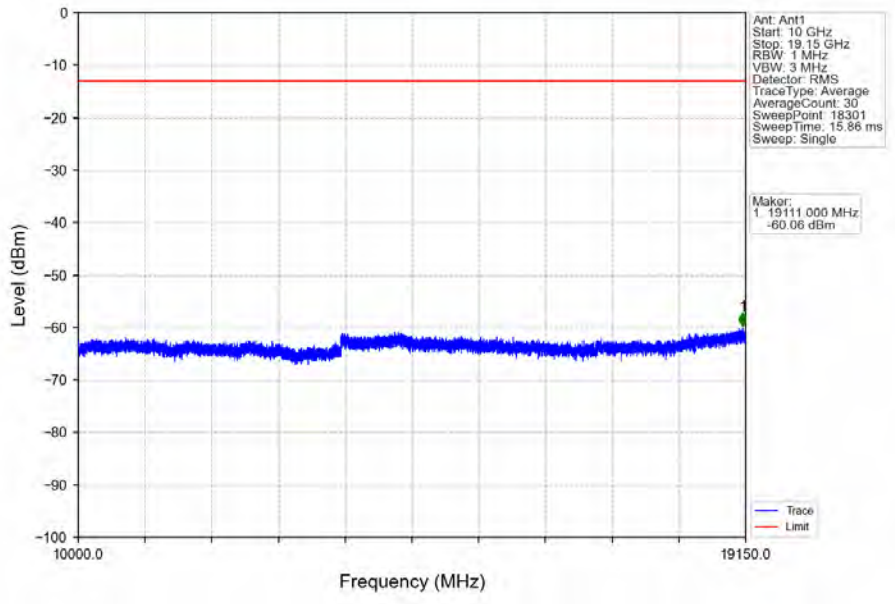

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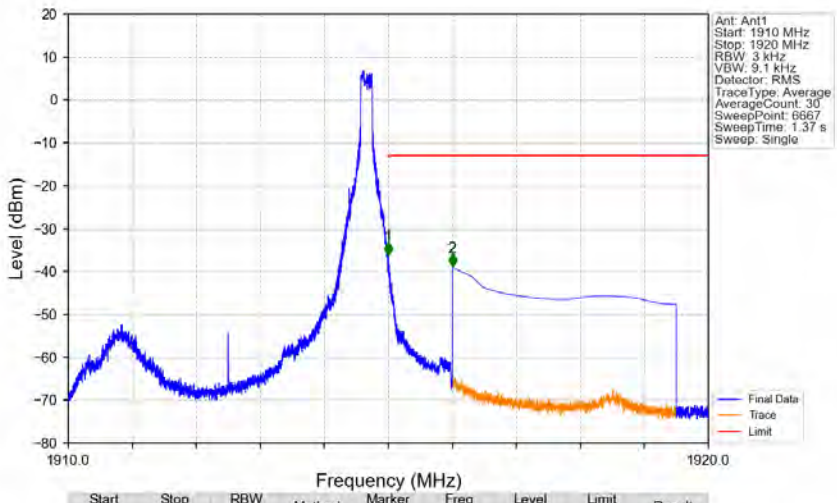
Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.000	-36.17	-13	Pass
1916	1920	1	CHP	2	1916.001	-38.96	-13	Pass

Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV

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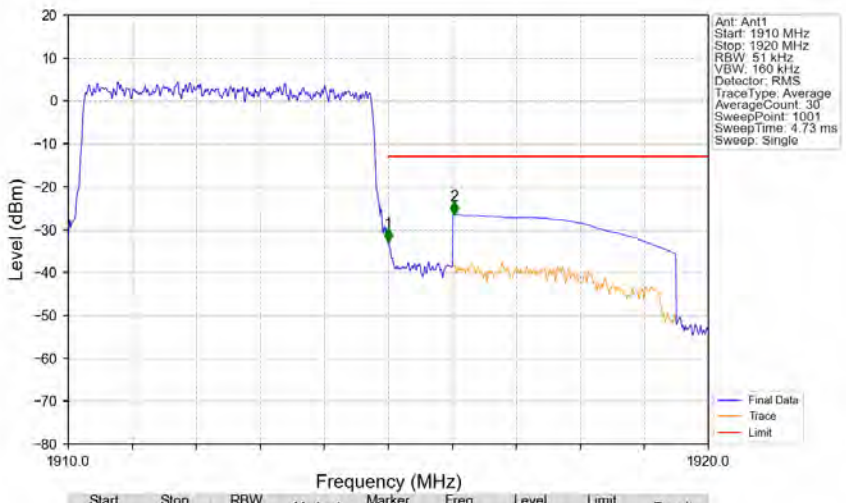

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.051	/	/	/	/	/	/
1915	1916	0.051	/	1	1915.000	-32.90	-13	Pass
1916	1920	1	CHP	2	1916.030	-26.51	-13	Pass

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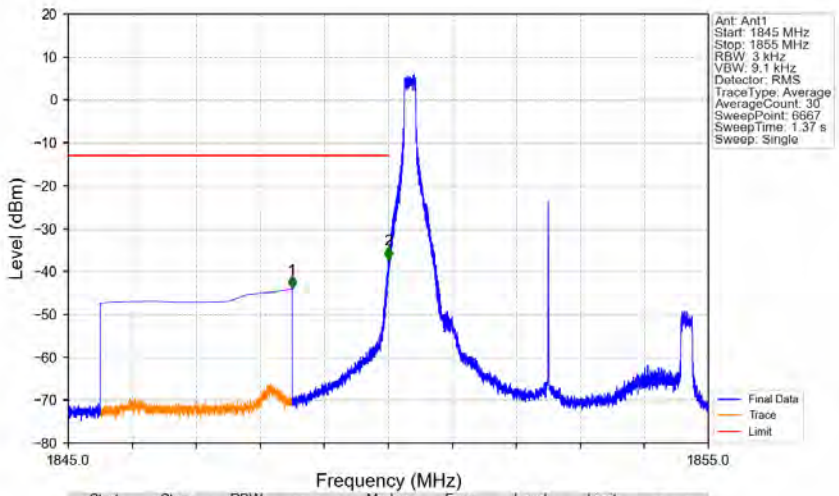
Band25_5MHz_16QAM_LCH_1852.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.498	-44.06	-13	Pass
1849	1850	0.003	/	2	1850.000	-37.26	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

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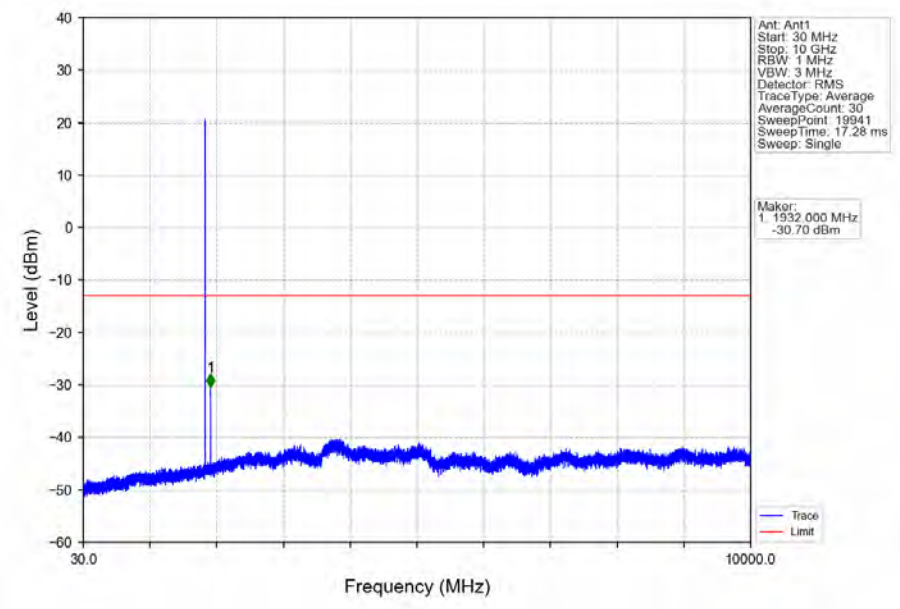

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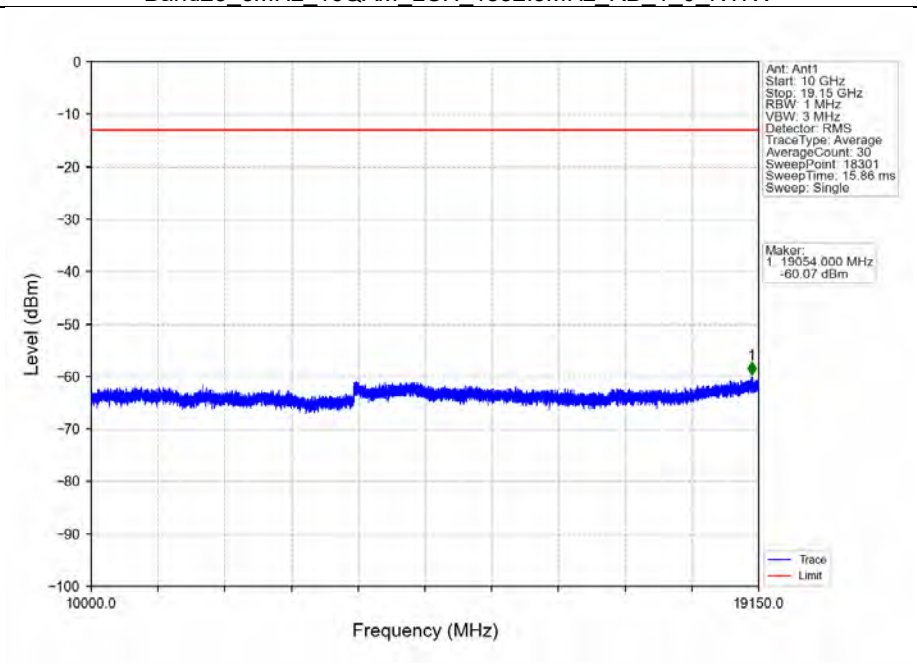
Band25_5MHz_16QAM_LCH_1852.5MHz_RB_1_0_NTNV



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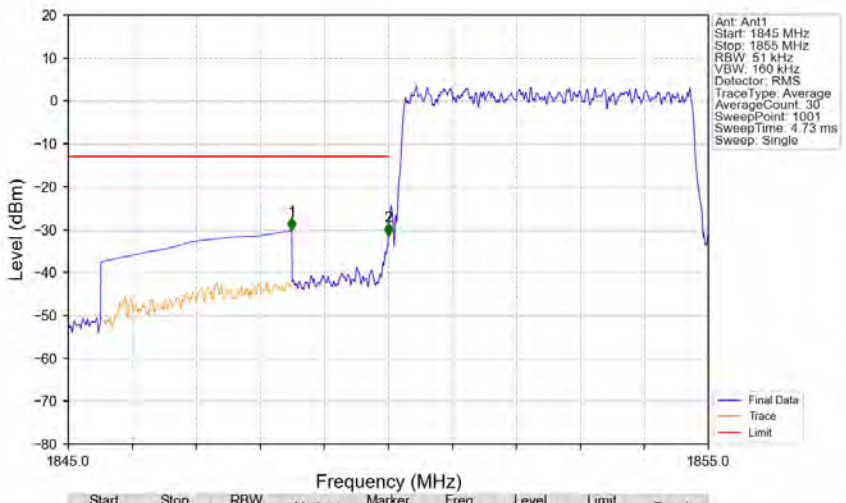

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.490	-30.33	-13	Pass
1849	1850	0.051	/	2	1850.000	-31.52	-13	Pass
1850	1855	0.051	/	/	/	/	/	/

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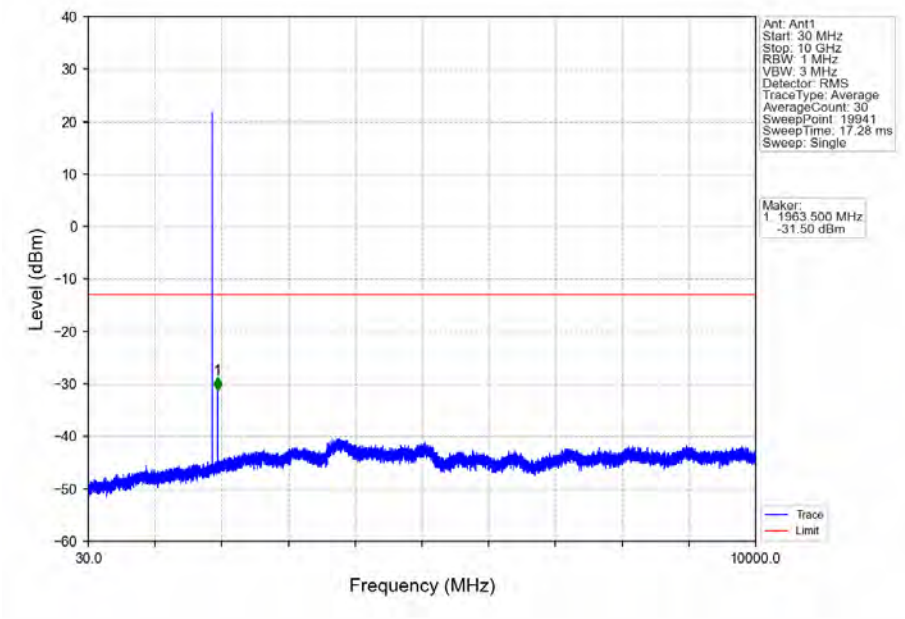

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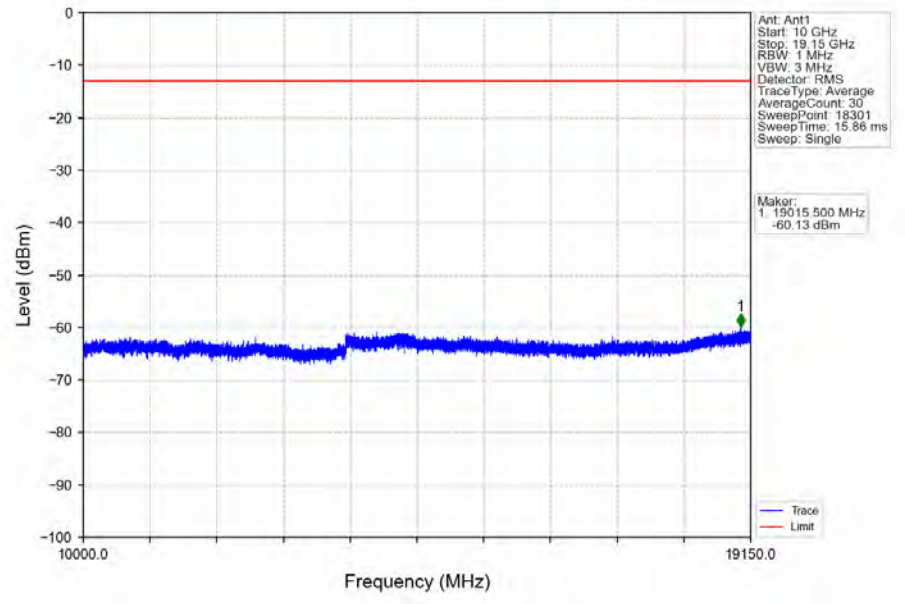

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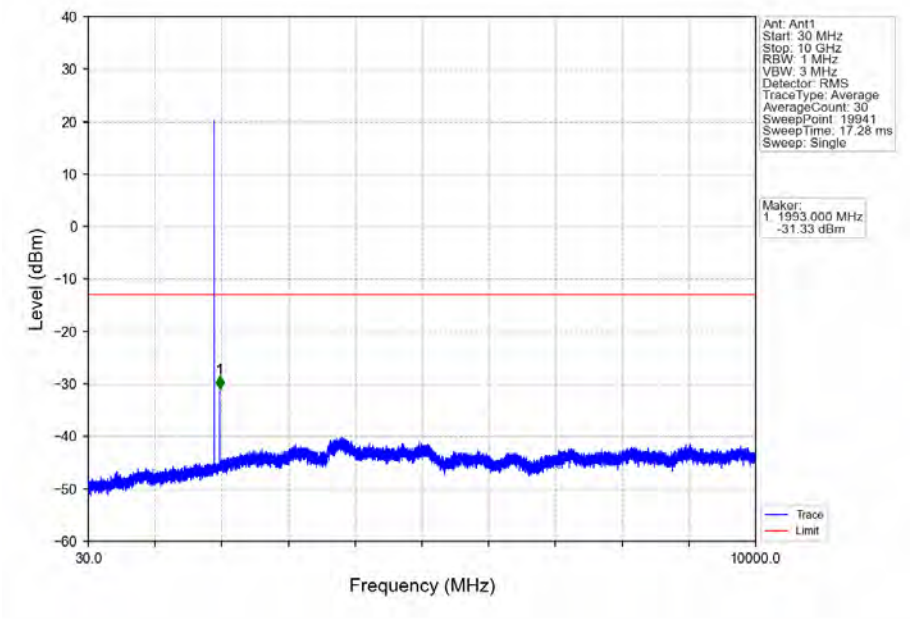

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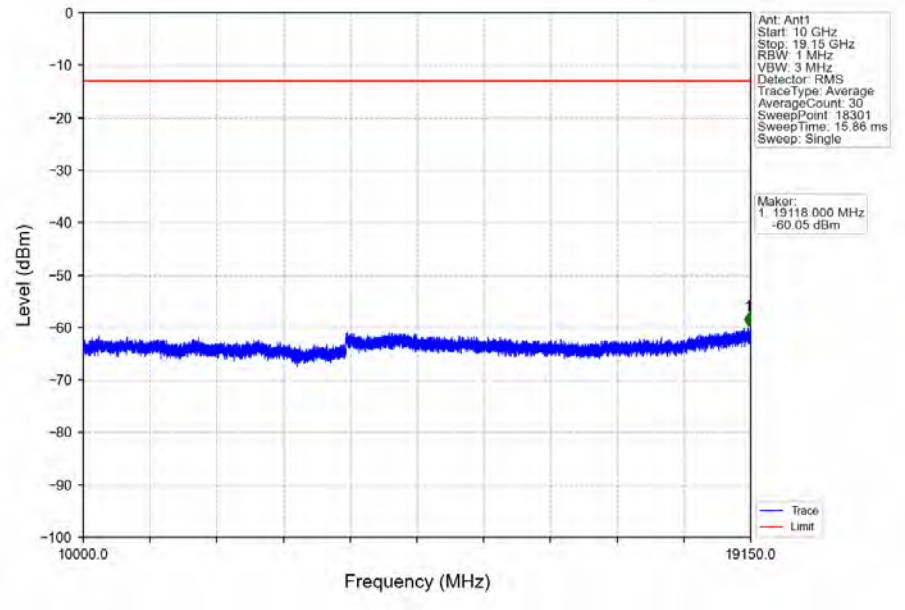

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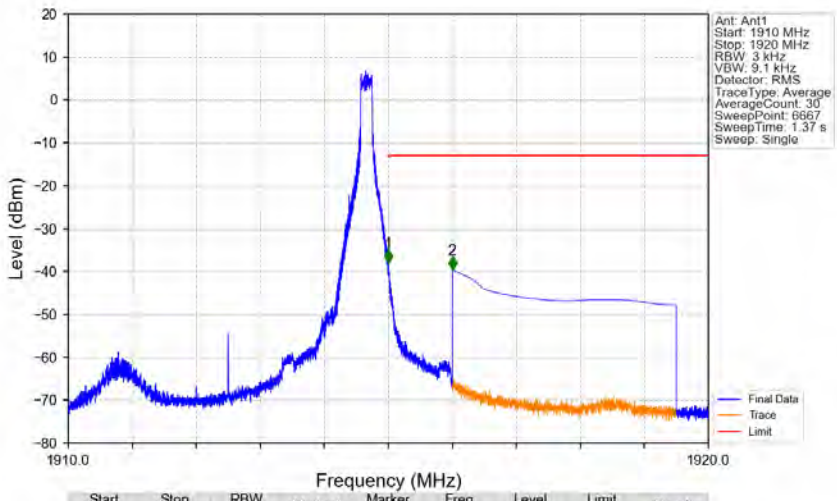

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.000	-37.95	-13	Pass
1916	1920	1	CHP	2	1916.001	-39.53	-13	Pass

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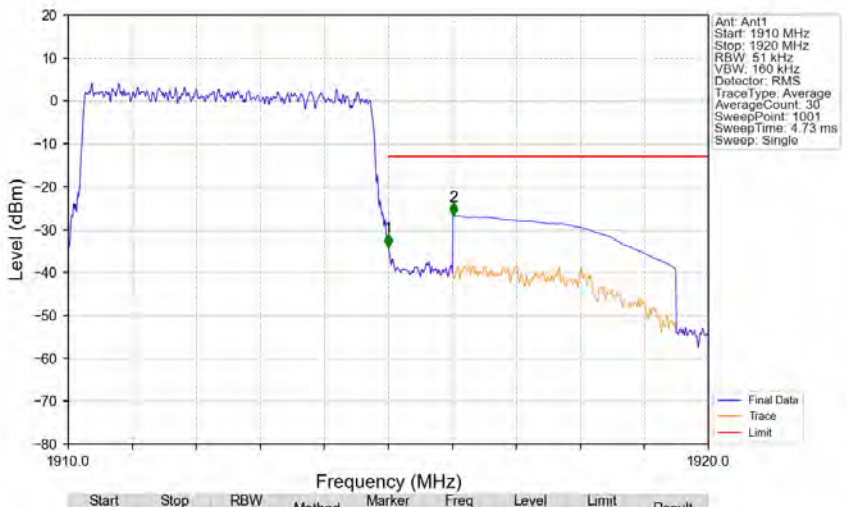

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.051	/	/	/	/	/	/
1915	1916	0.051	/	1	1915.000	-34.05	-13	Pass
1916	1920	1	CHP	2	1916.020	-26.81	-13	Pass

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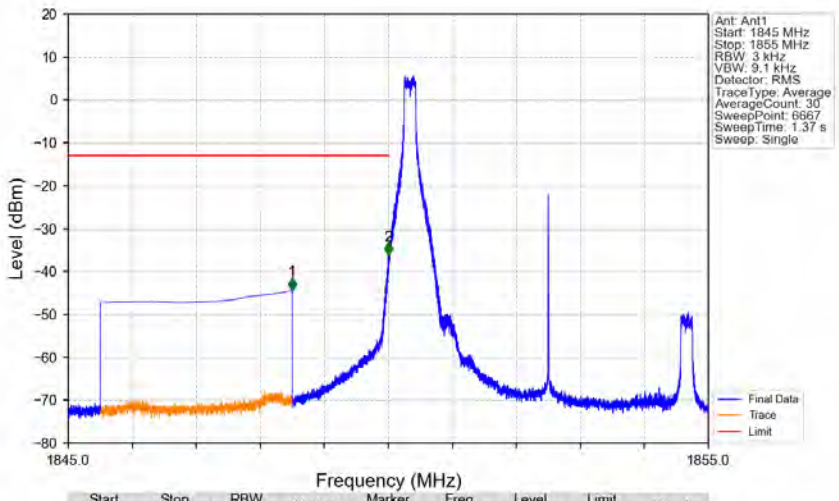

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.498	-44.46	-13	Pass
1849	1850	0.003	/	2	1850.000	-36.27	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

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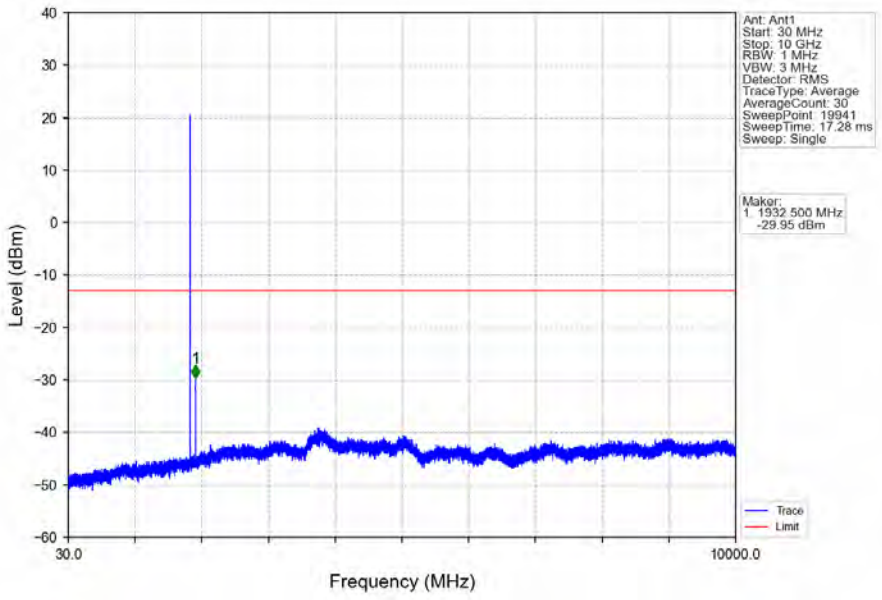

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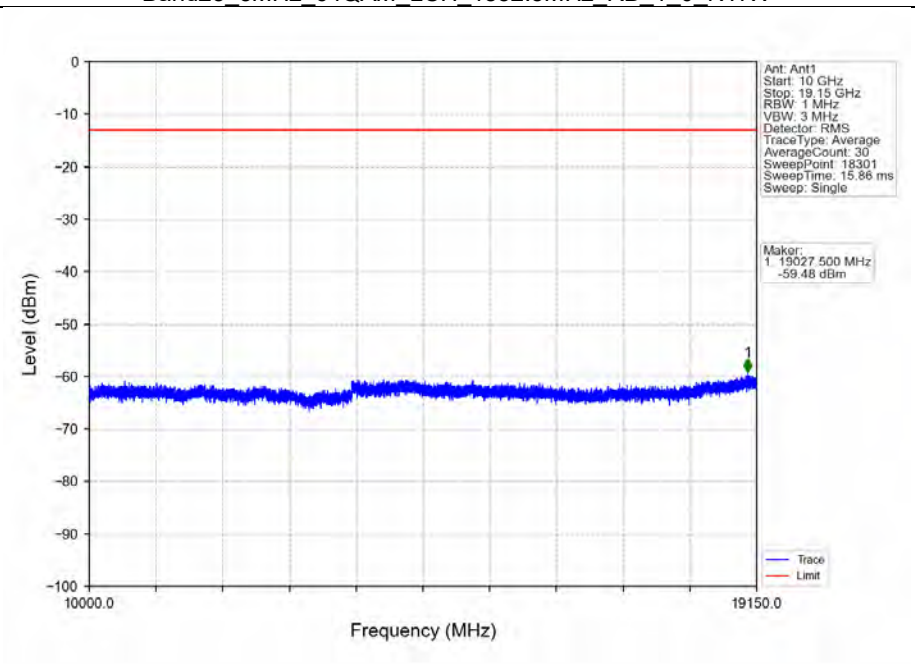

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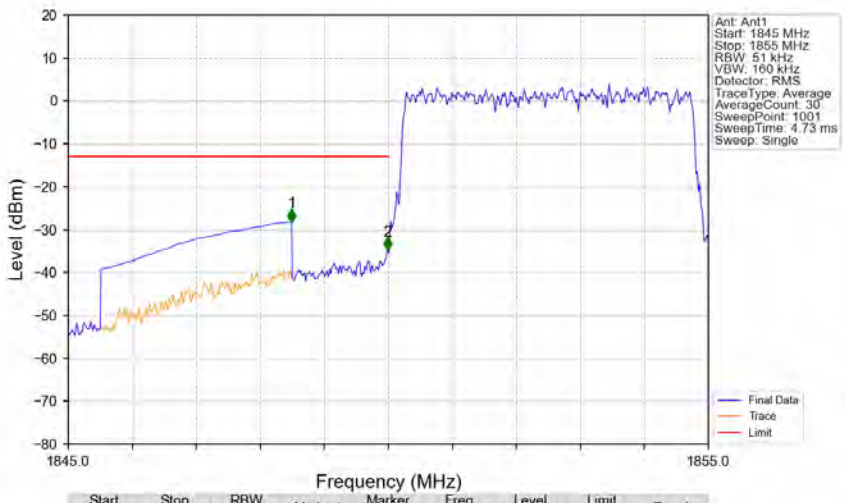

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.490	-28.26	-13	Pass
1849	1850	0.051	/	2	1849.990	-34.90	-13	Pass
1850	1855	0.051	/	/	/	/	/	/

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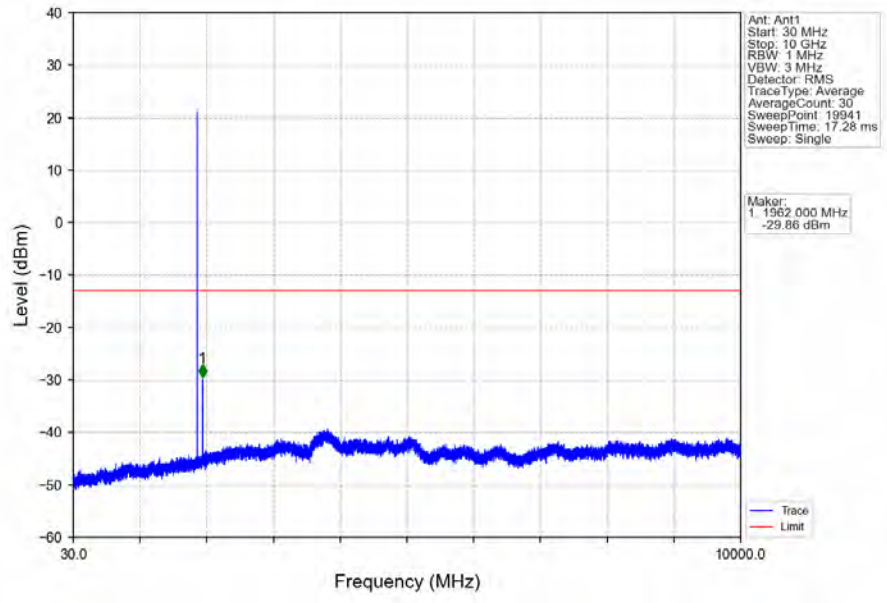

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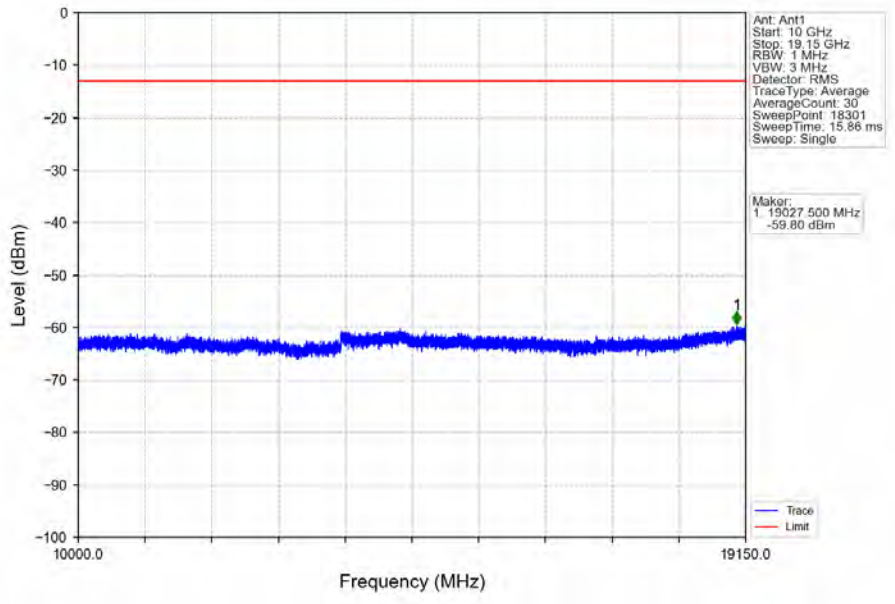

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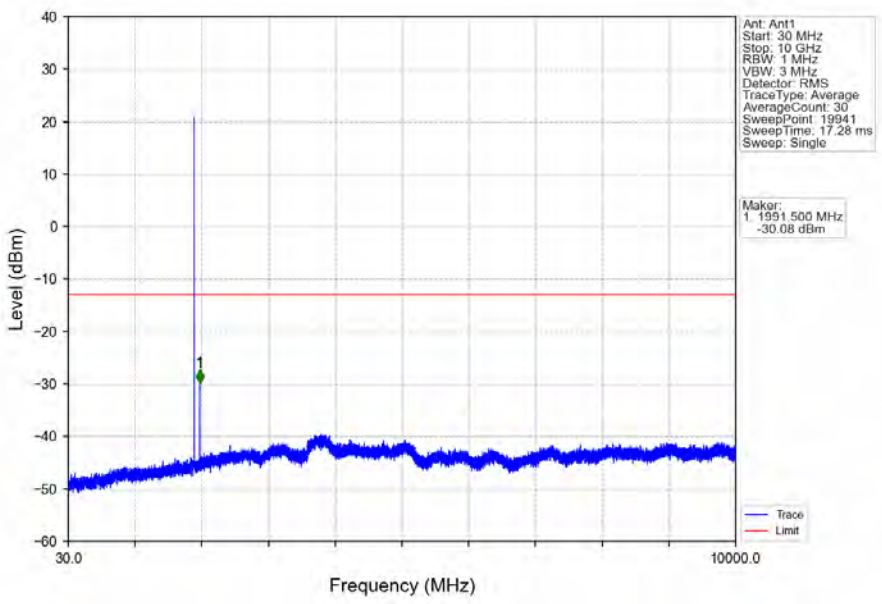

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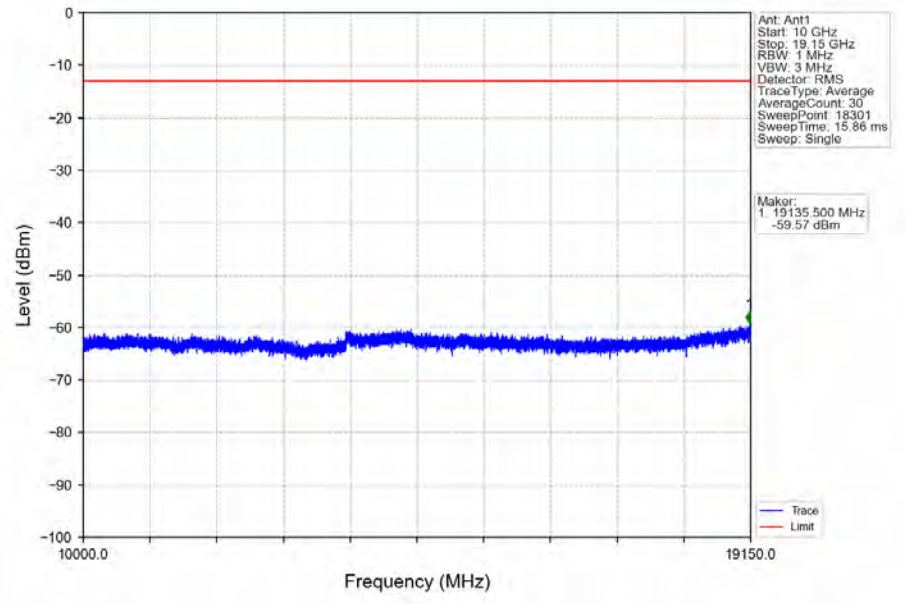

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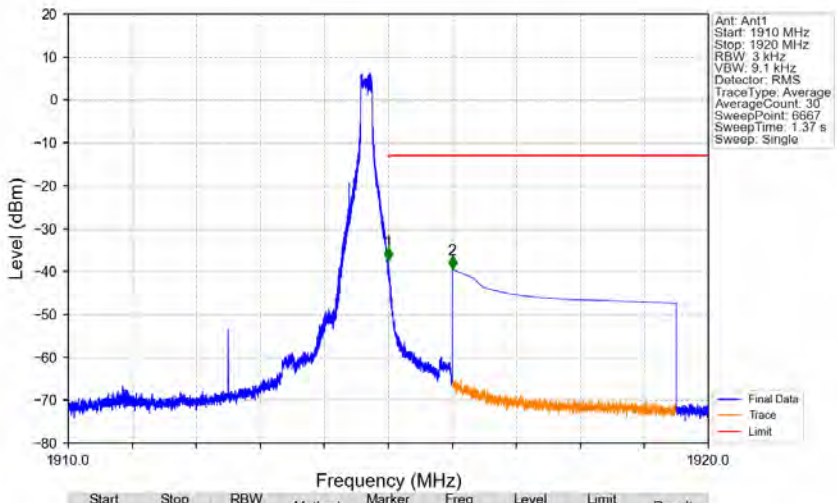

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.000	-37.42	-13	Pass
1916	1920	1	CHP	2	1916.001	-39.44	-13	Pass

Band25_5MHz_64QAM_HCH_1912.5MHz_RB_25_0_NTNV

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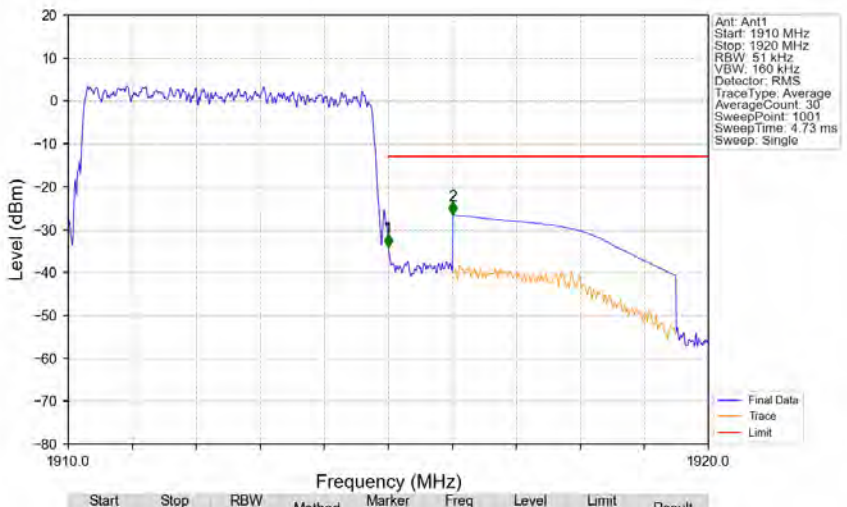

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.051	/	/	/	/	/	/
1915	1916	0.051	/	1	1915.000	-34.07	-13	Pass
1916	1920	1	CHP	2	1916.010	-26.60	-13	Pass

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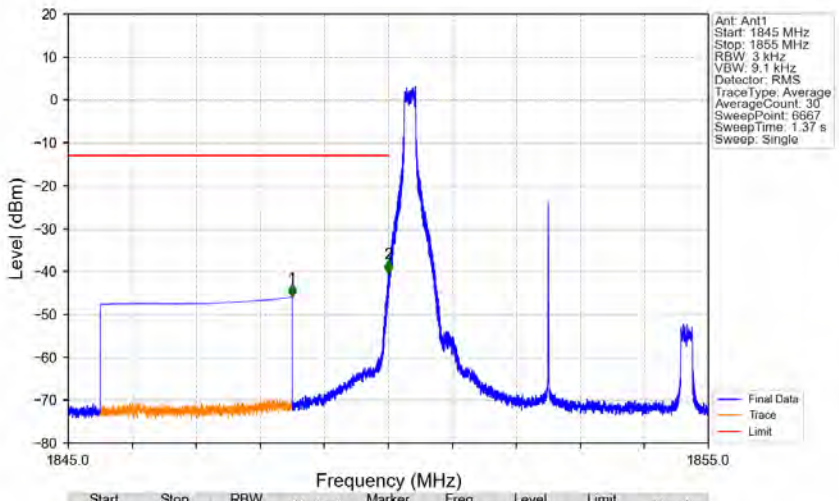

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.497	-45.94	-13	Pass
1849	1850	0.003	/	2	1849.997	-40.44	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

Band25_5MHz_256QAM_LCH_1852.5MHz_RB_1_0_NTNV

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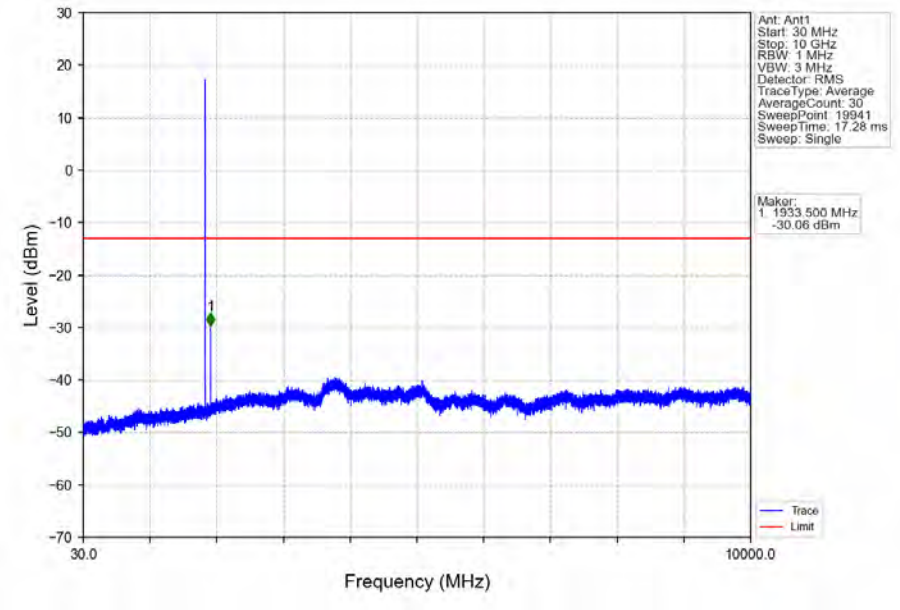

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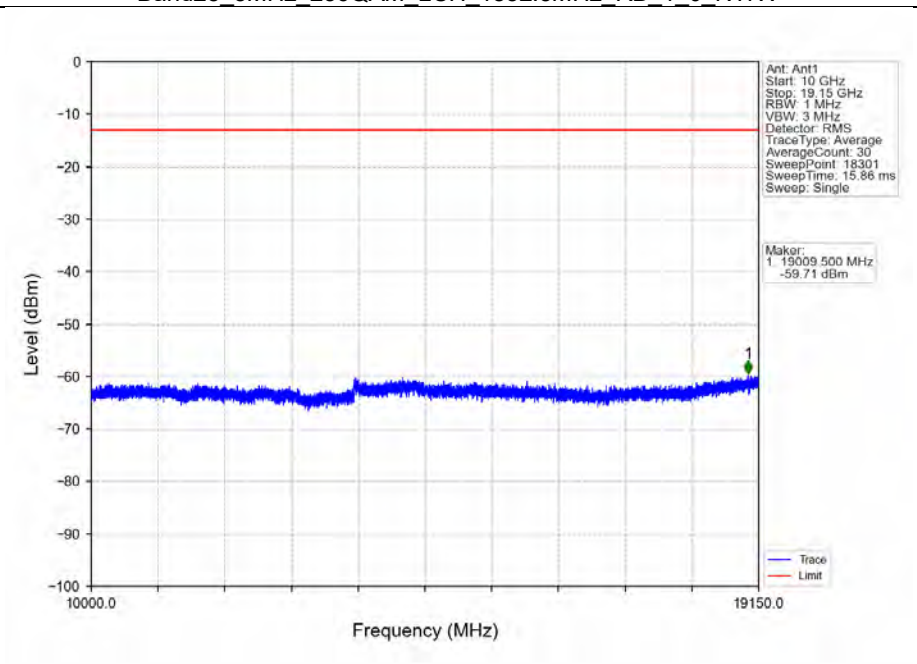

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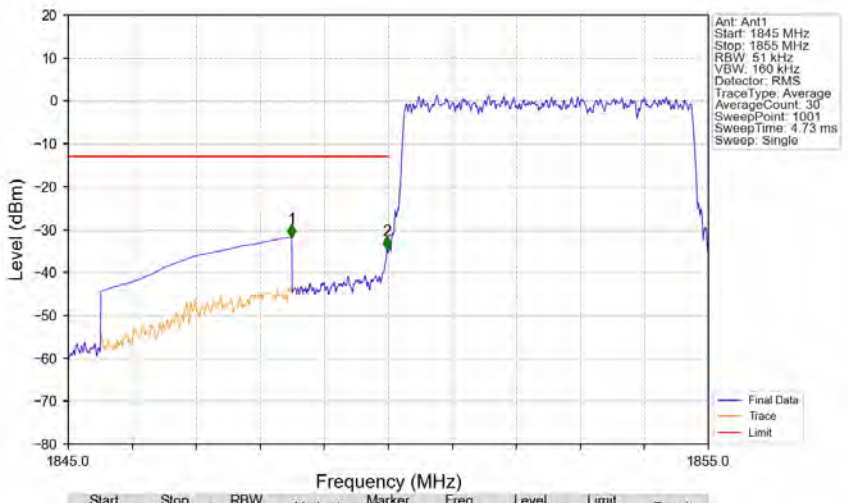

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.490	-31.81	-13	Pass
1849	1850	0.051	/	2	1849.980	-34.67	-13	Pass
1850	1855	0.051	/	/	/	/	/	/

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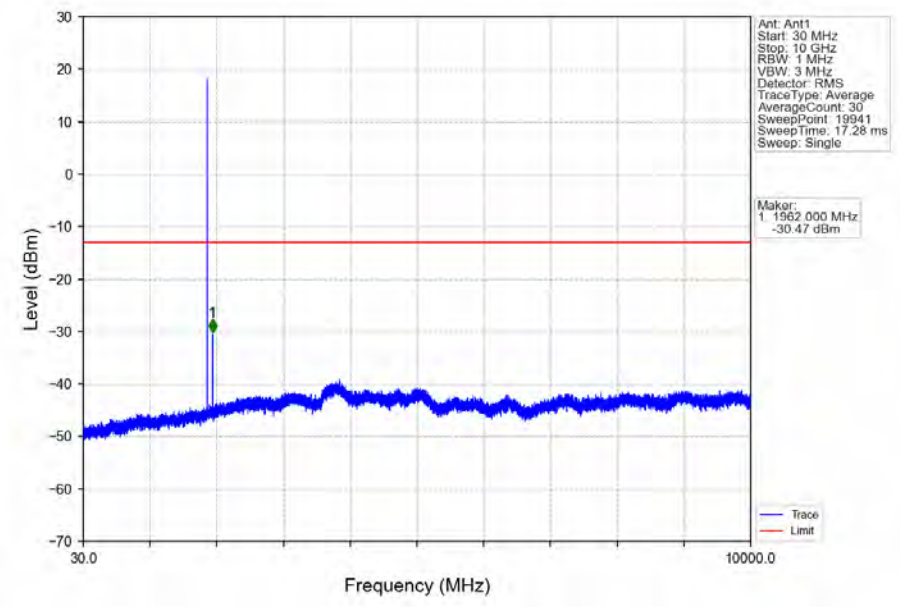

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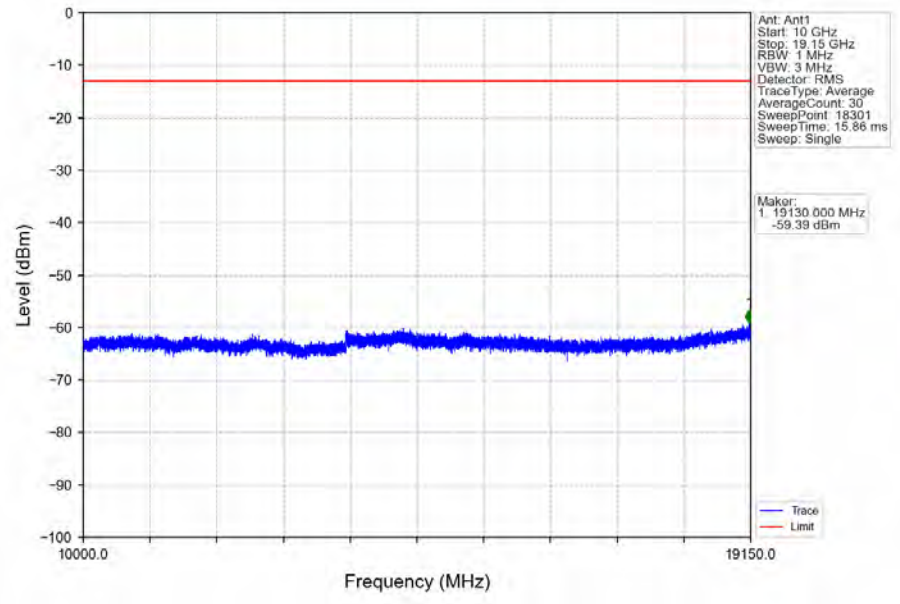

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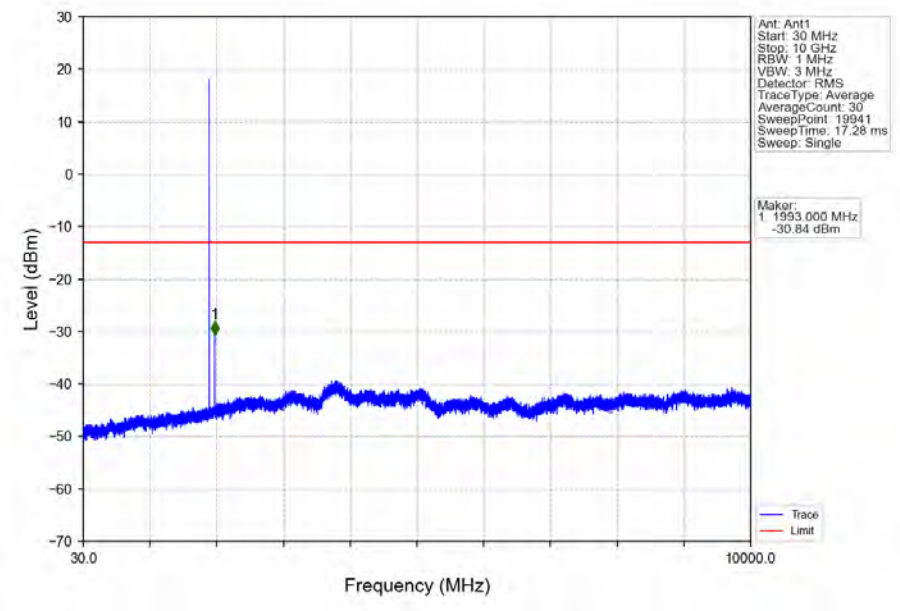
Band25_5MHz_256QAM_HCH_1912.5MHz_RB_1_0_NTNV



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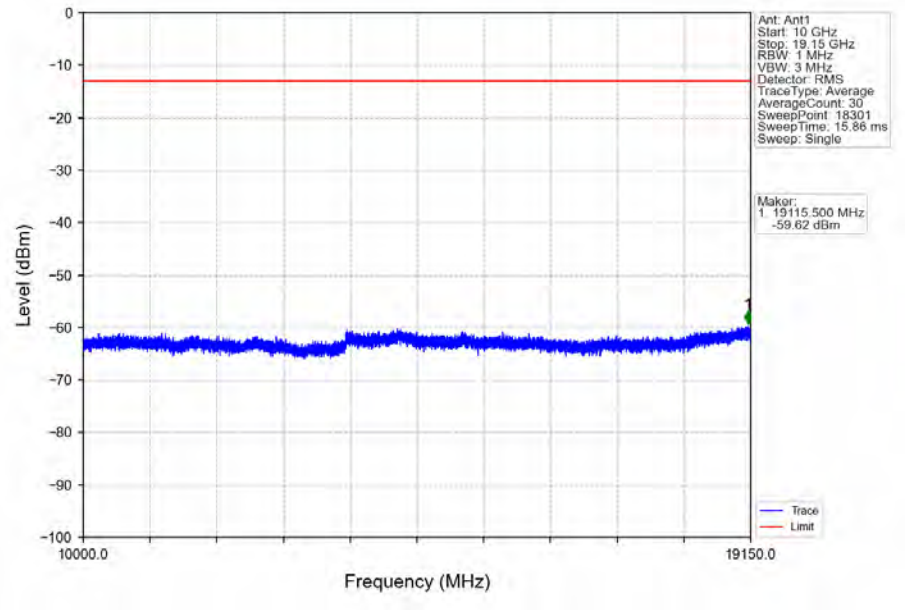

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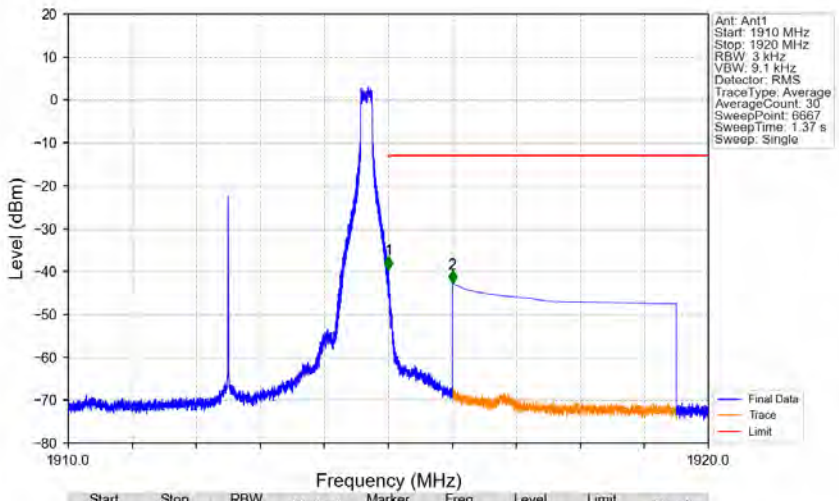

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-39.54	-13	Pass
1916	1920	1	CHP	2	1916.001	-42.76	-13	Pass

Band25_5MHz_256QAM_HCH_1912.5MHz_RB_25_0_NTNV

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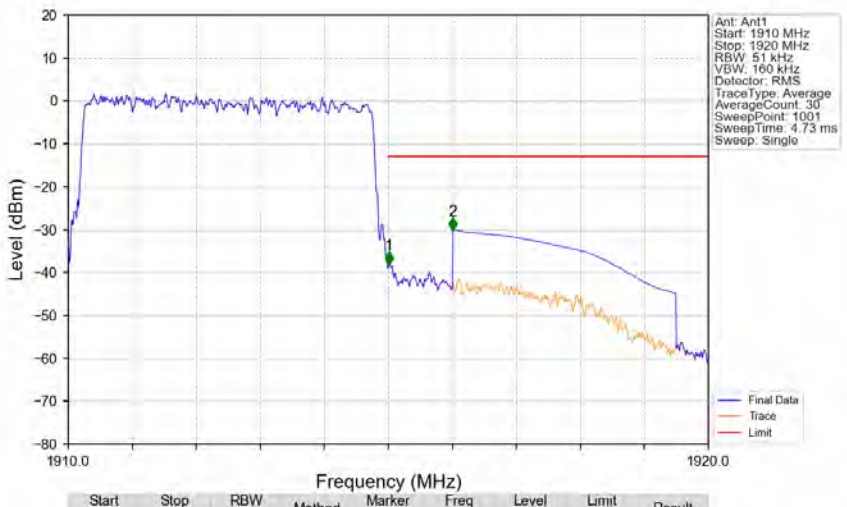

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.051	/	/	/	/	/	/
1915	1916	0.051	/	1	1915.010	-38.12	-13	Pass
1916	1920	1	CHP	2	1916.010	-30.18	-13	Pass

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5.4 B25_10MHz

5.4.1 Test Result

Band: 25 / Bandwidth: 10MHz / NTNV						
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
	1882.5	1	0	Refer To Test Graph		Pass
	1910	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1855	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1910	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	1855	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1910	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
256QAM	1855	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1910	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

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5.4.2 Test Graph

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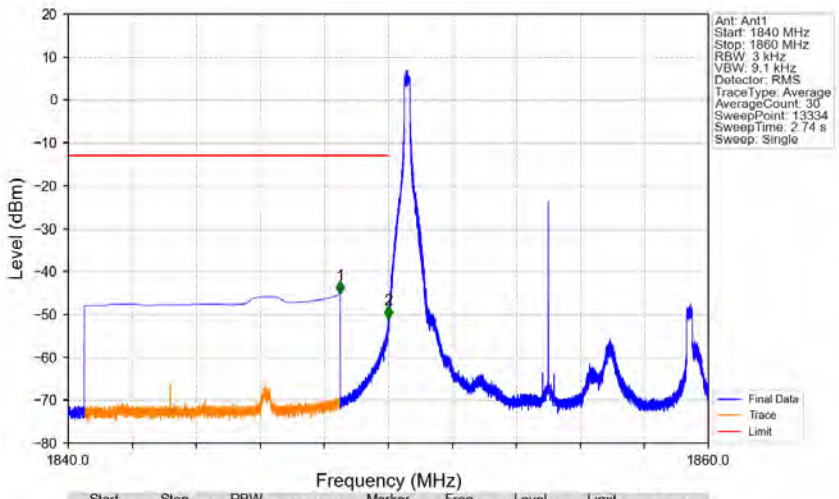

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.498	-45.33	-13	Pass
1849	1850	0.003	/	2	1849.995	-51.07	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

Band25_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV

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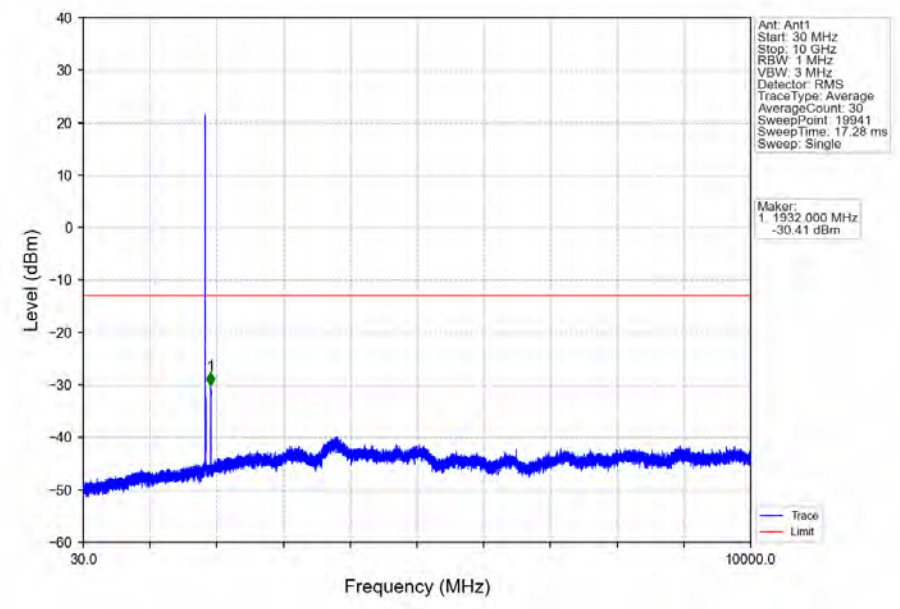

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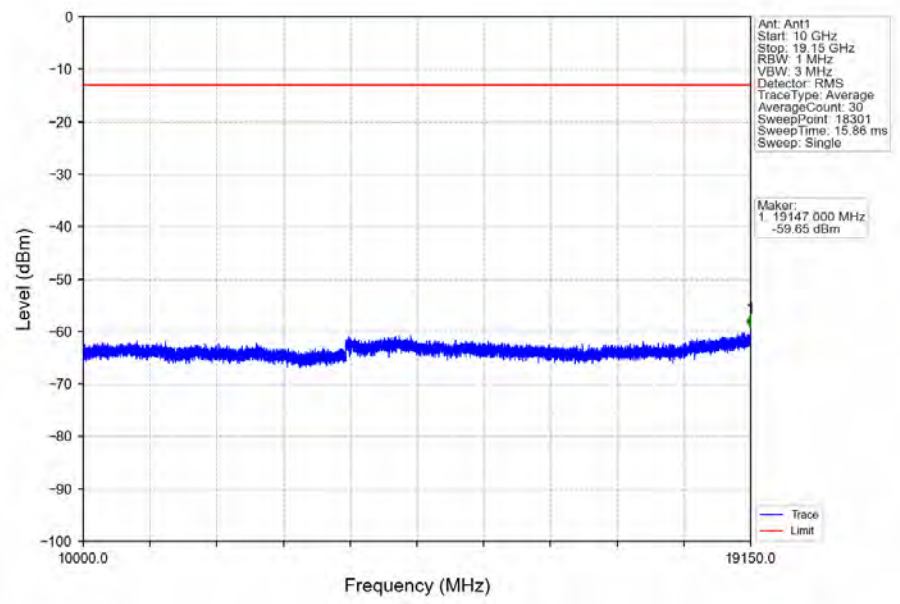

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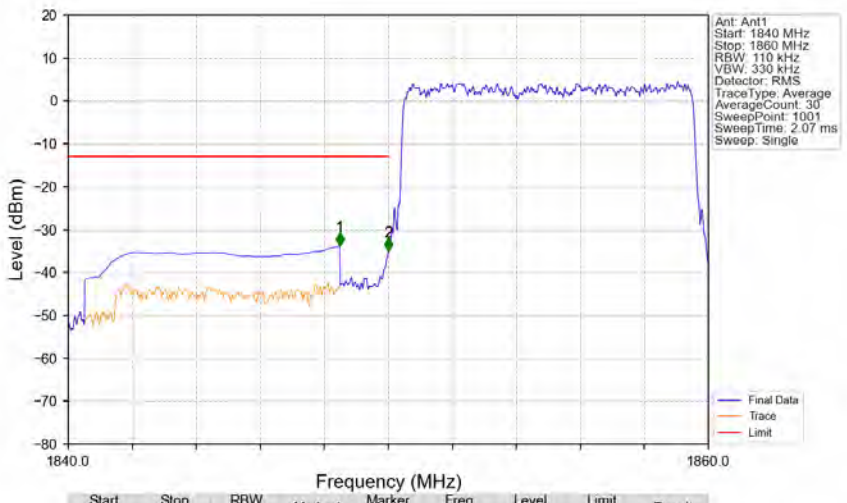

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.480	-33.83	-13	Pass
1849	1850	0.11	/	2	1850.000	-34.99	-13	Pass
1850	1860	0.11	/	/	/	/	/	/

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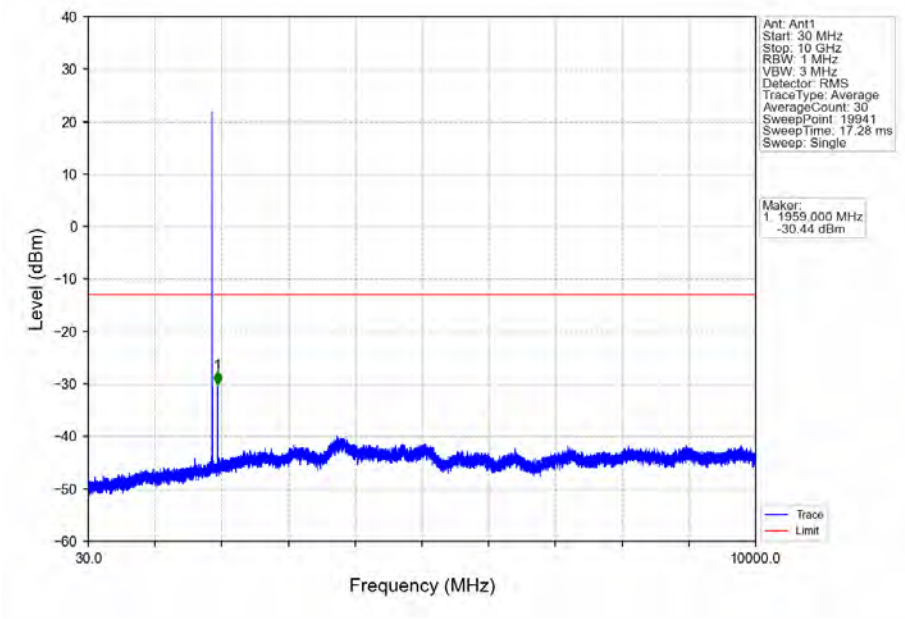

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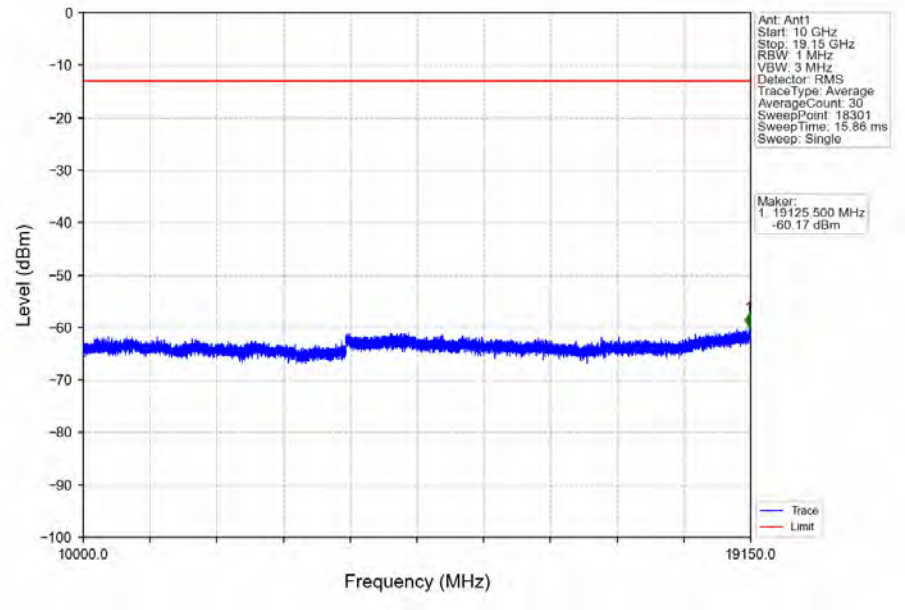

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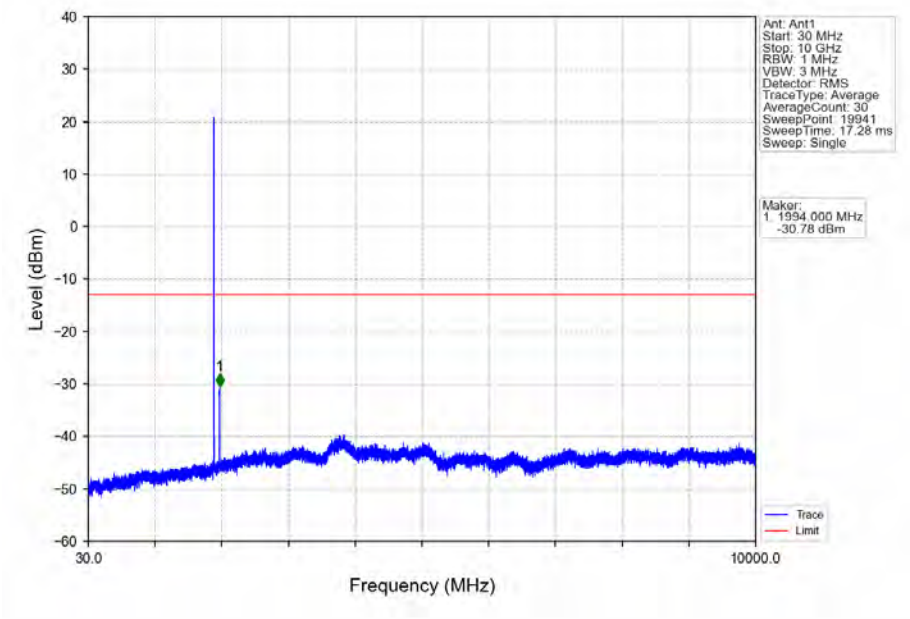

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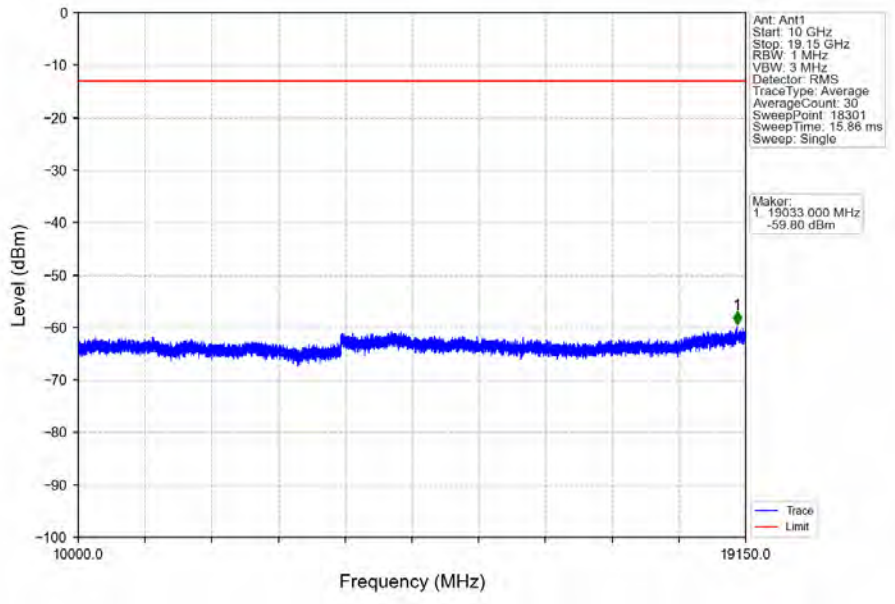

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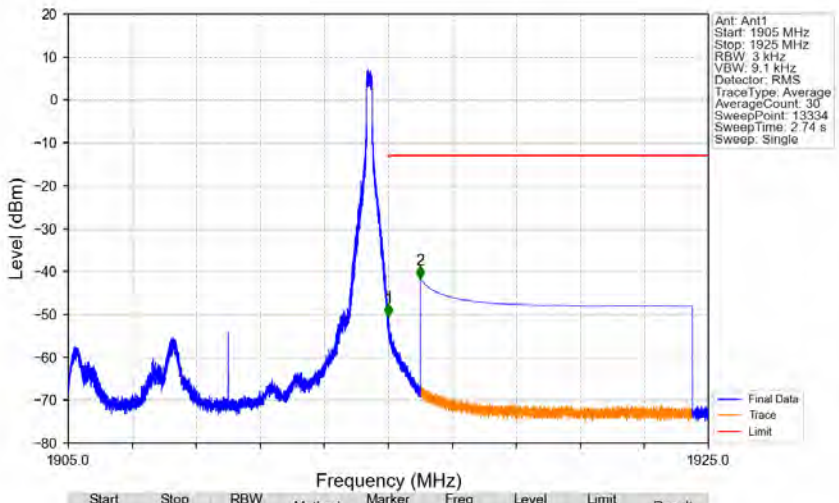
Band25_10MHz_QPSK_HCH_1910MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-50.58	-13	Pass
1916	1925	1	CHP	2	1916.001	-41.73	-13	Pass

Band25_10MHz_QPSK_HCH_1910MHz_RB_50_0_NTNV

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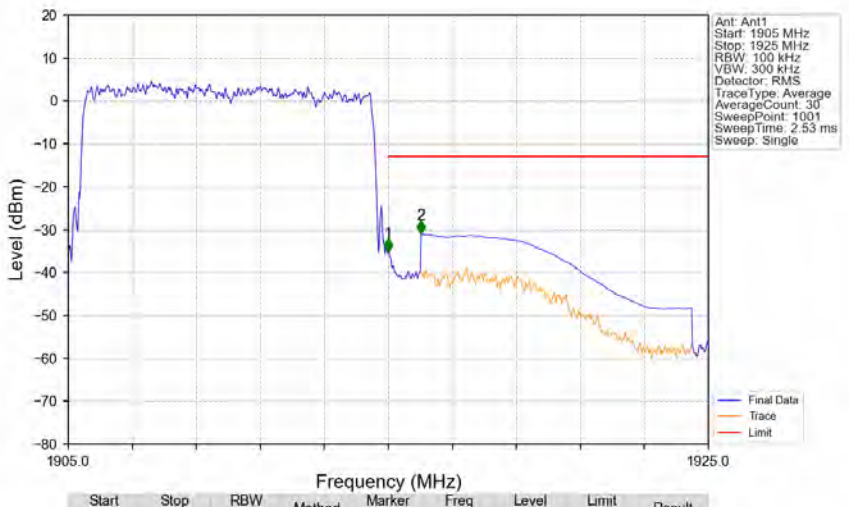

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.1	/	/	/	/	/	/
1915	1916	0.1	/	1	1915.000	-35.19	-13	Pass
1916	1925	1	CHP	2	1916.020	-31.04	-13	Pass

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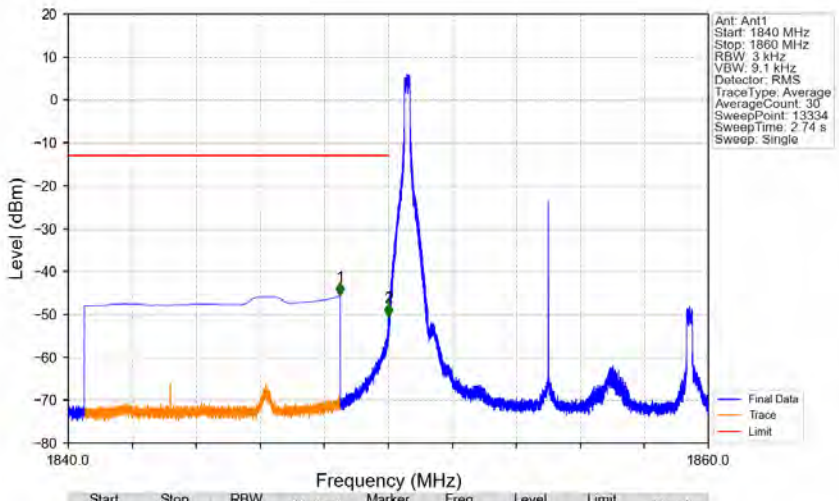
Band25_10MHz_16QAM_LCH_1855MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.498	-45.62	-13	Pass
1849	1850	0.003	/	2	1849.996	-50.49	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

Band25_10MHz_16QAM_LCH_1855MHz_RB_1_0_NTNV

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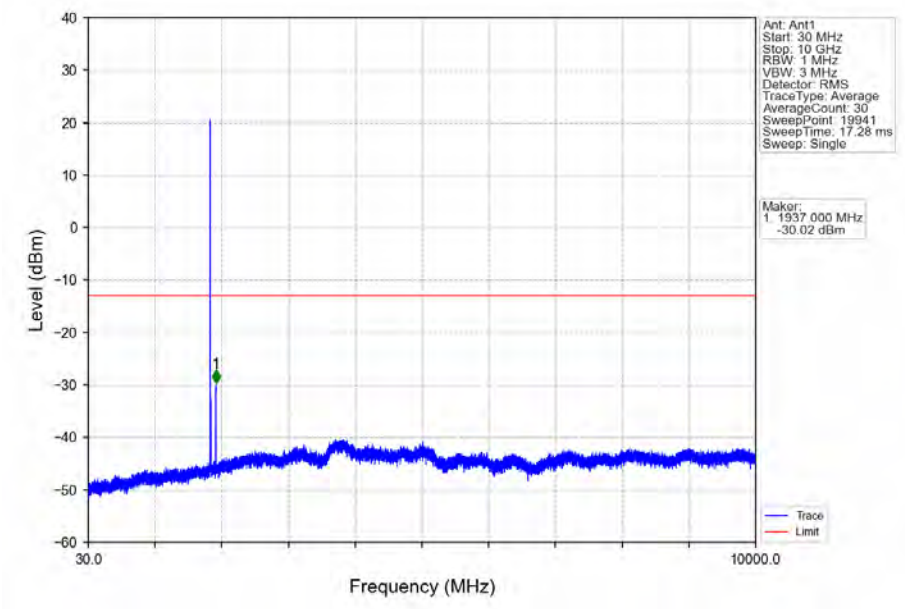

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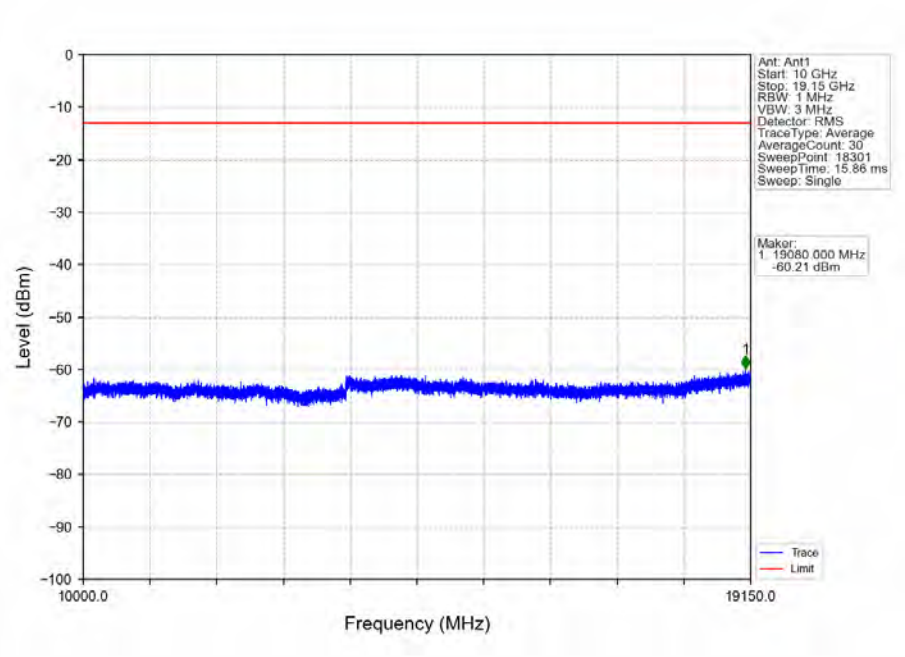
Band25_10MHz_16QAM_LCH_1855MHz_RB_1_0_NTNV



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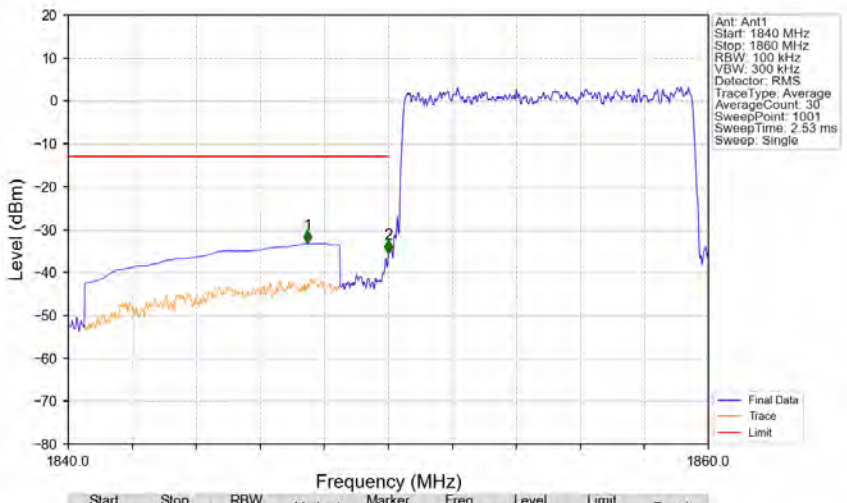

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1847.480	-33.34	-13	Pass
1849	1850	0.1	/	2	1850.000	-35.55	-13	Pass
1850	1860	0.1	/	/	/	/	/	/

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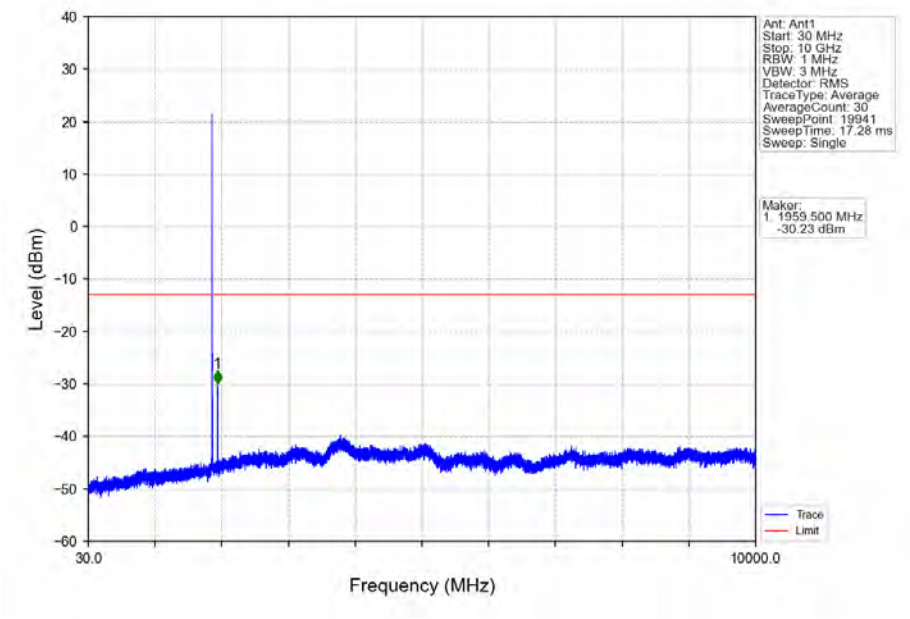

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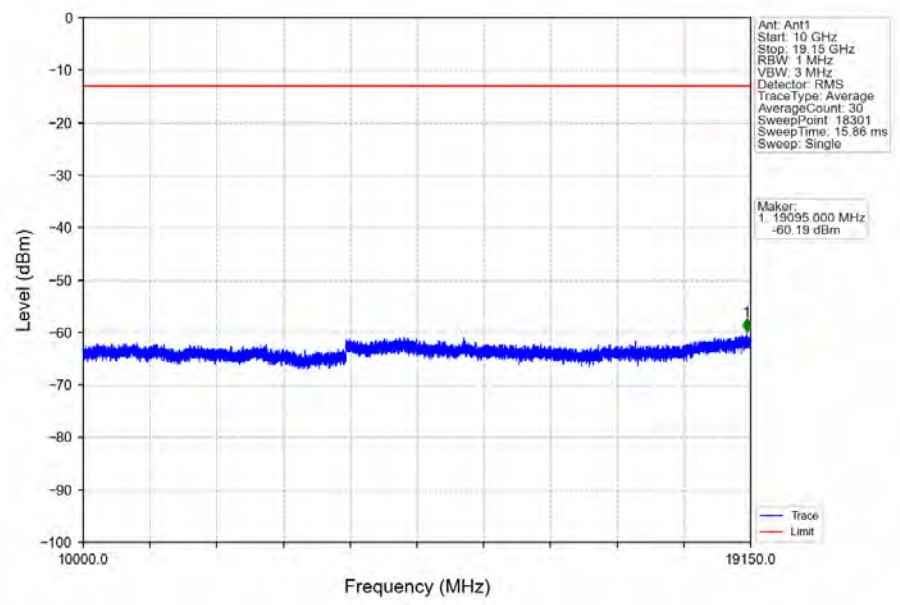

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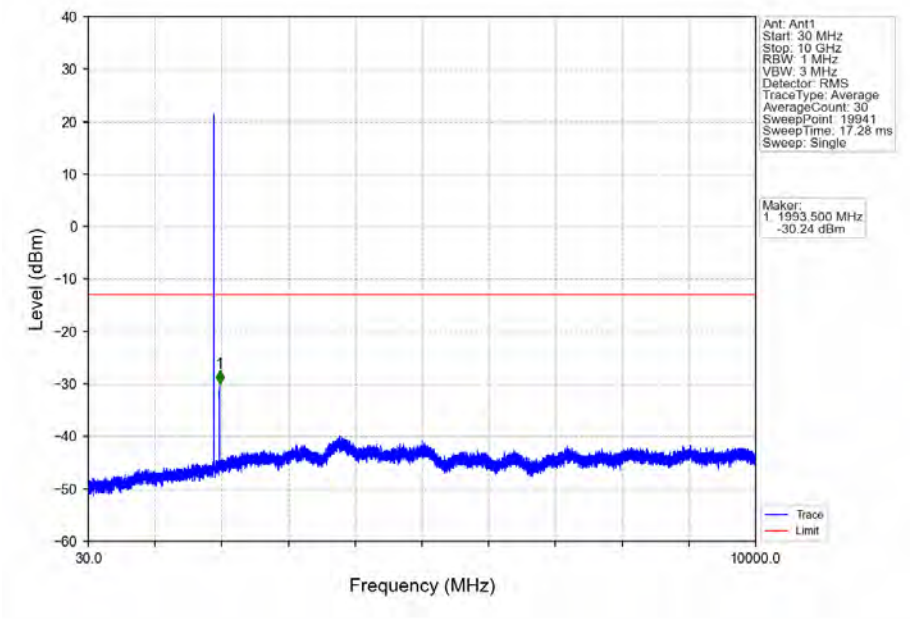

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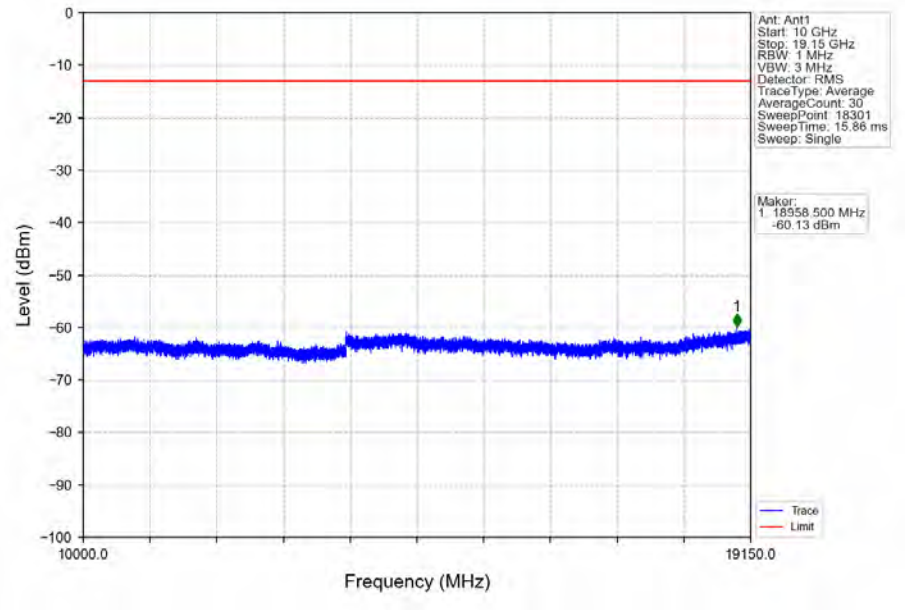

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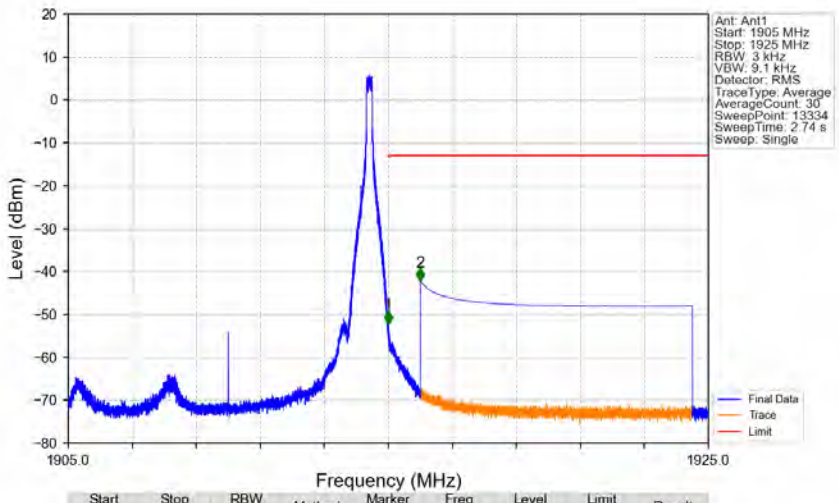

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.001	-52.23	-13	Pass
1916	1925	1	CHP	2	1916.001	-42.26	-13	Pass

Band25_10MHz_16QAM_HCH_1910MHz_RB_50_0_NTNV

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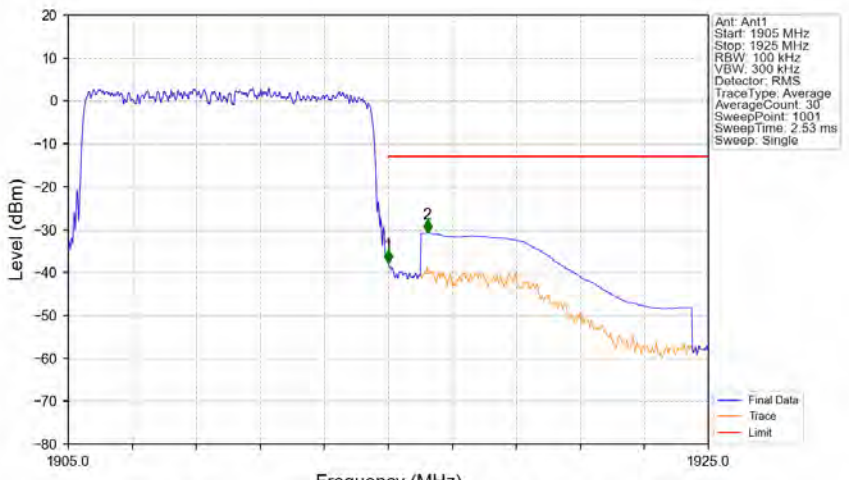

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.1	/	/	/	/	/	/
1915	1916	0.1	/	1	1915.000	-37.93	-13	Pass
1916	1925	1	CHP	2	1916.220	-30.86	-13	Pass

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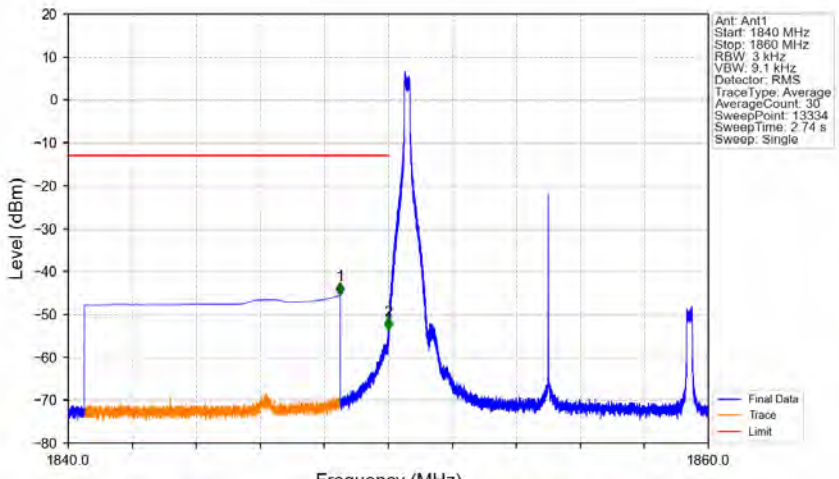
Band25_10MHz_64QAM_LCH_1855MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.498	-45.52	-13	Pass
1849	1850	0.003	/	2	1849.996	-53.68	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

Band25_10MHz_64QAM_LCH_1855MHz_RB_1_0_NTNV

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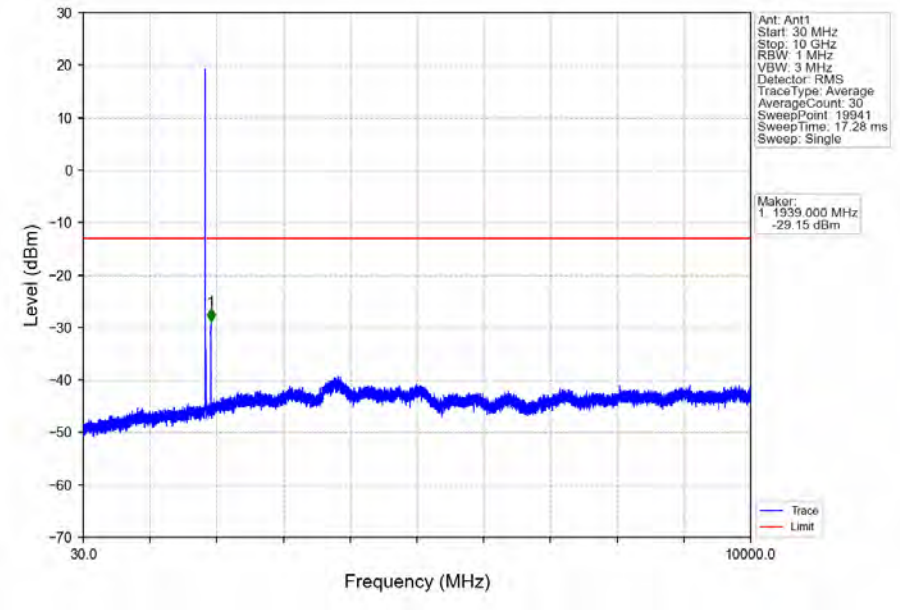

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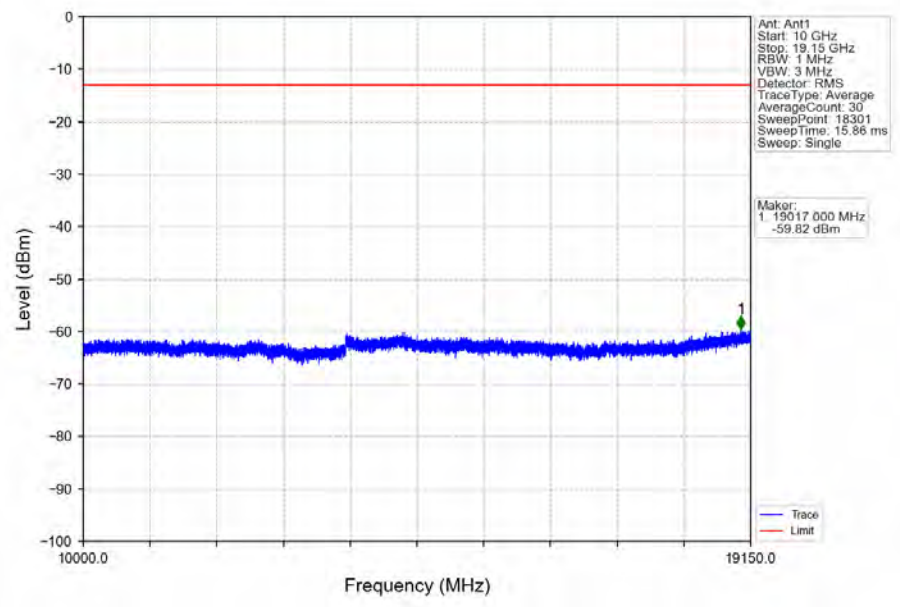

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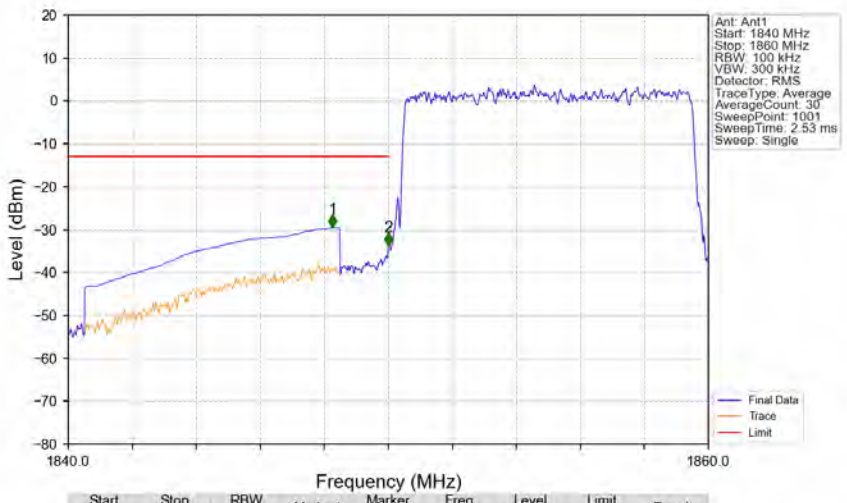

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.260	-29.58	-13	Pass
1849	1850	0.1	/	2	1850.000	-33.86	-13	Pass
1850	1860	0.1	/	/	/	/	/	/

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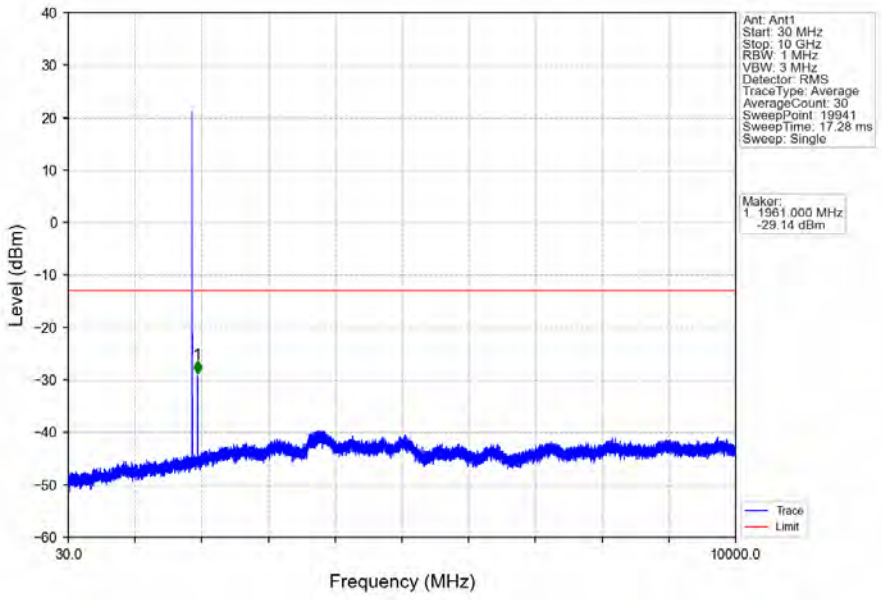

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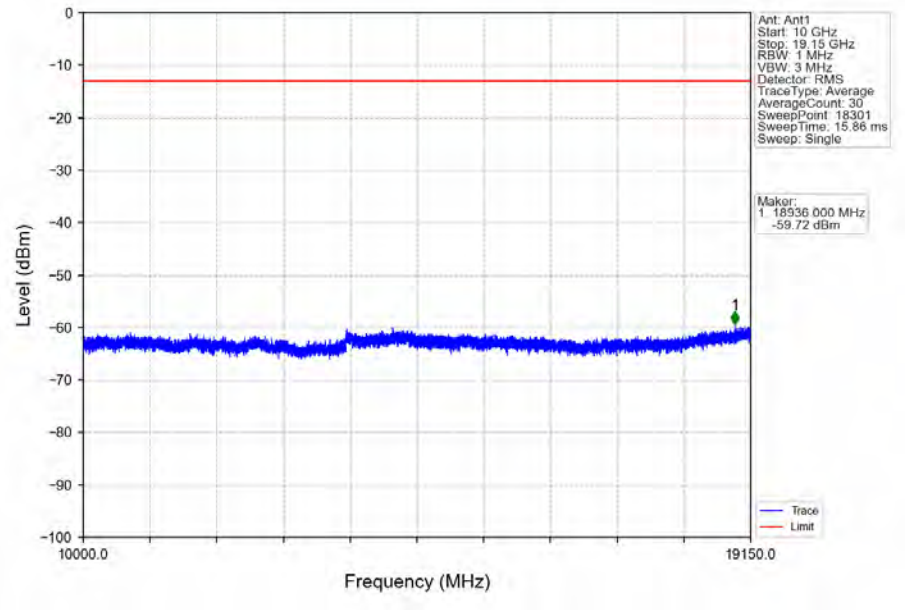

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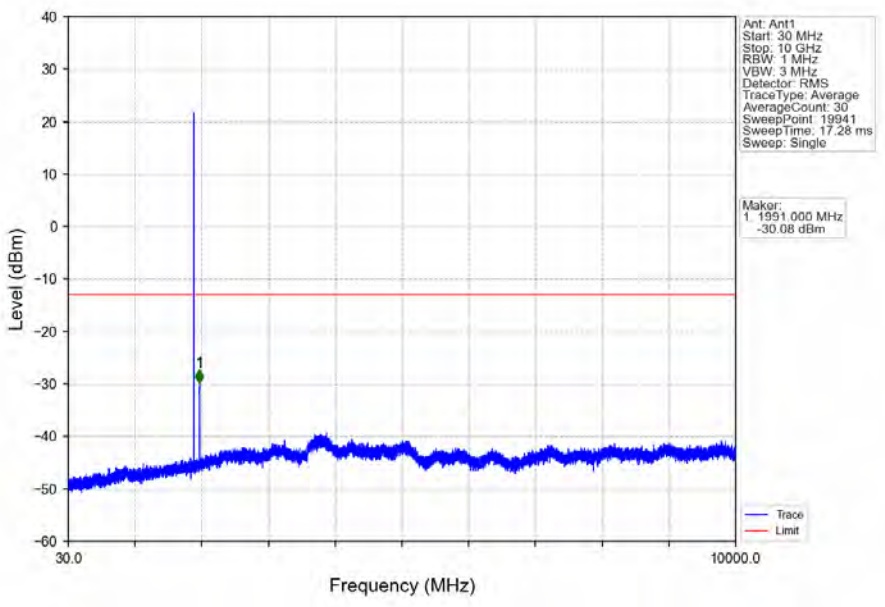

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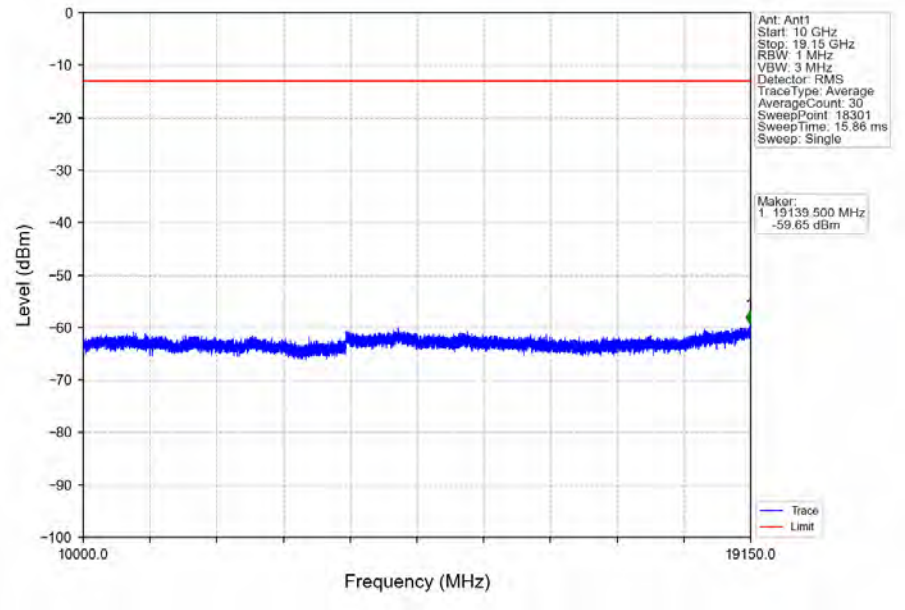

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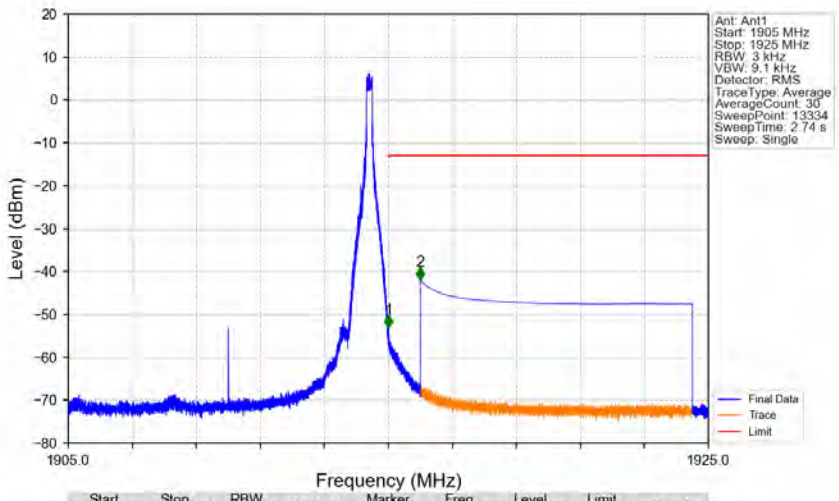

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.004	-53.23	-13	Pass
1916	1925	1	CHP	2	1916.001	-42.06	-13	Pass

Band25_10MHz_64QAM_HCH_1910MHz_RB_50_0_NTNV

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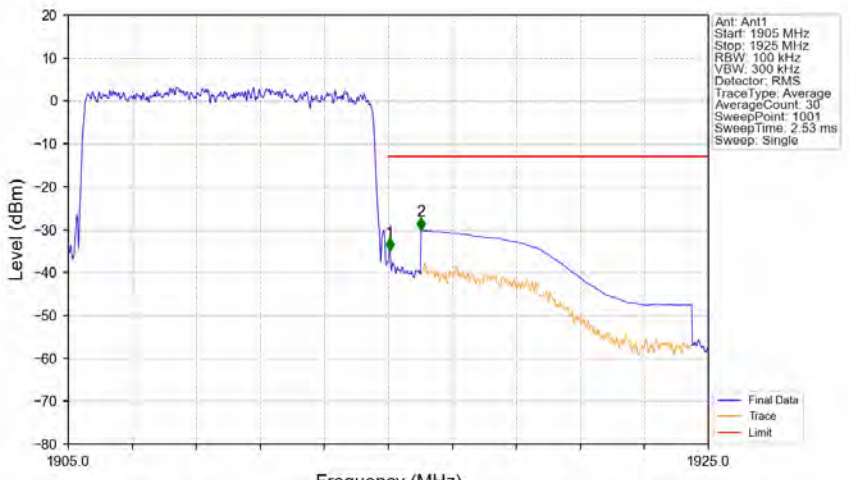

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.1	/	/	/	/	/	/
1915	1916	0.1	/	1	1915.040	-35.09	-13	Pass
1916	1925	1	CHP	2	1916.020	-30.19	-13	Pass

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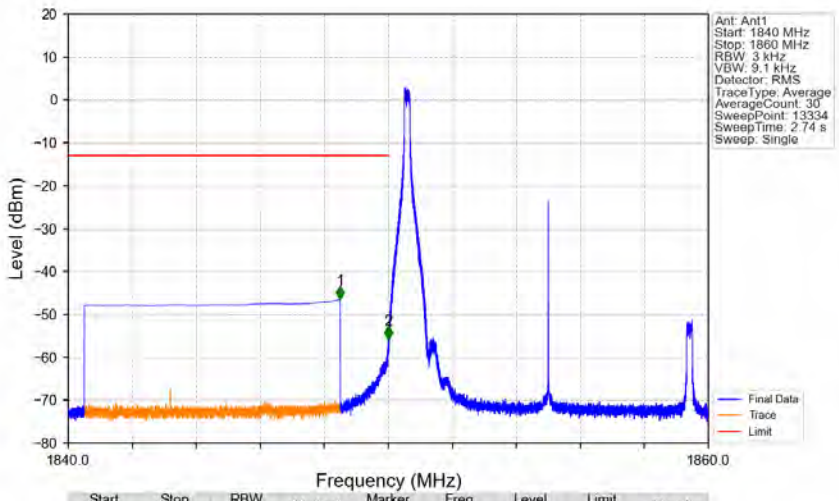
Band25_10MHz_256QAM_LCH_1855MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.493	-46.54	-13	Pass
1849	1850	0.003	/	2	1849.996	-55.91	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

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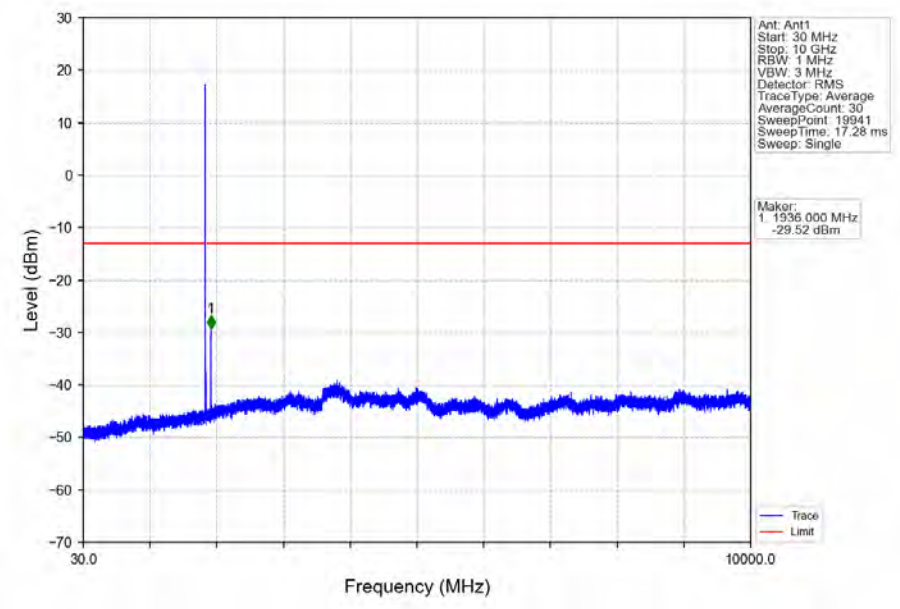

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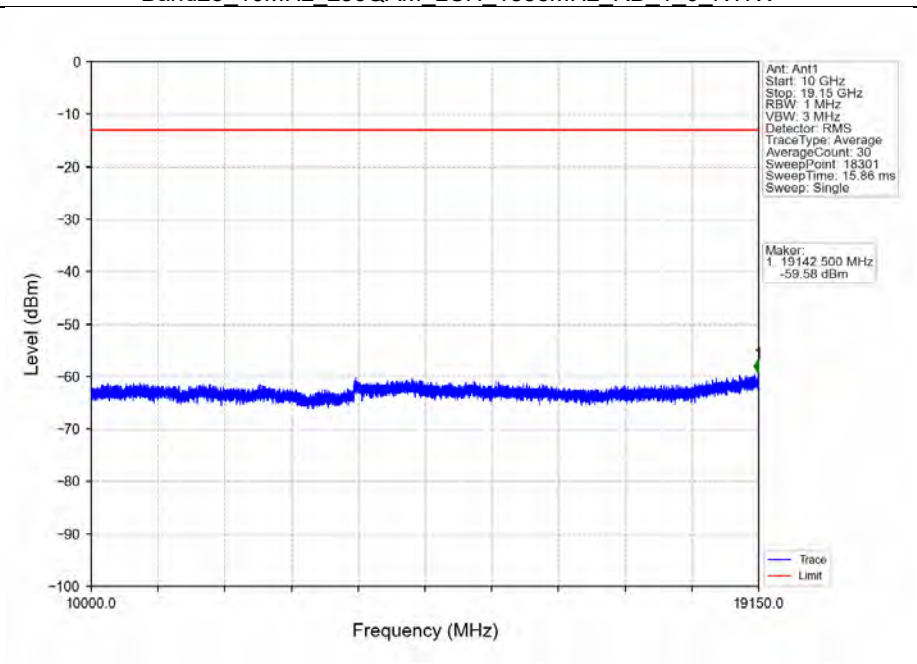
Band25_10MHz_256QAM_LCH_1855MHz_RB_1_0_NTNV



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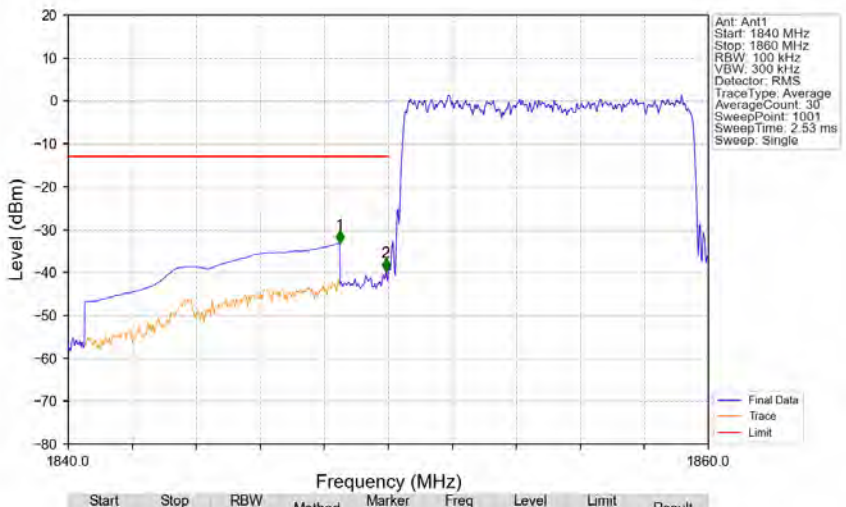

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.480	-33.25	-13	Pass
1849	1850	0.1	/	2	1849.920	-39.85	-13	Pass
1850	1860	0.1	/	/	/	/	/	/

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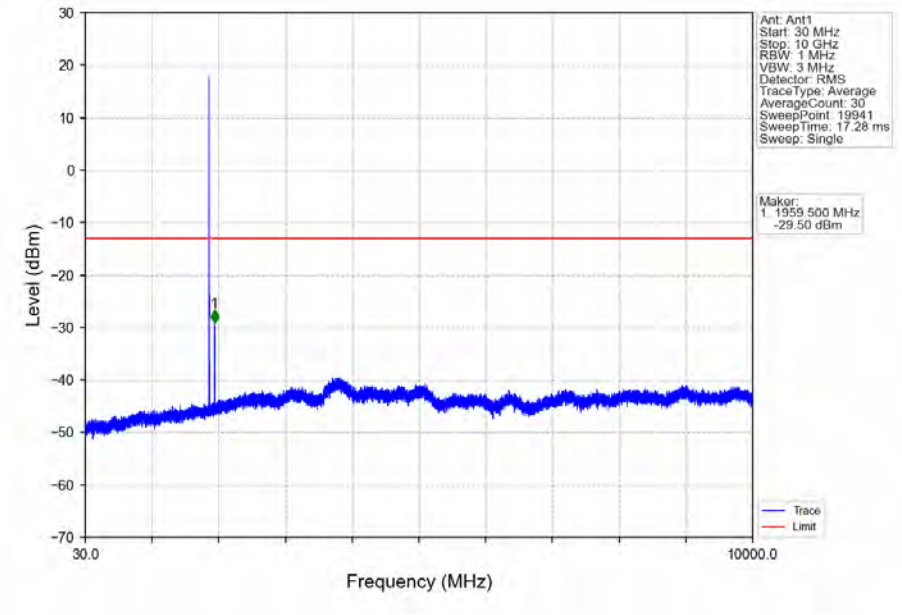
Band25_10MHz_256QAM_MCH_1882.5MHz_RB_1_0_NTNV



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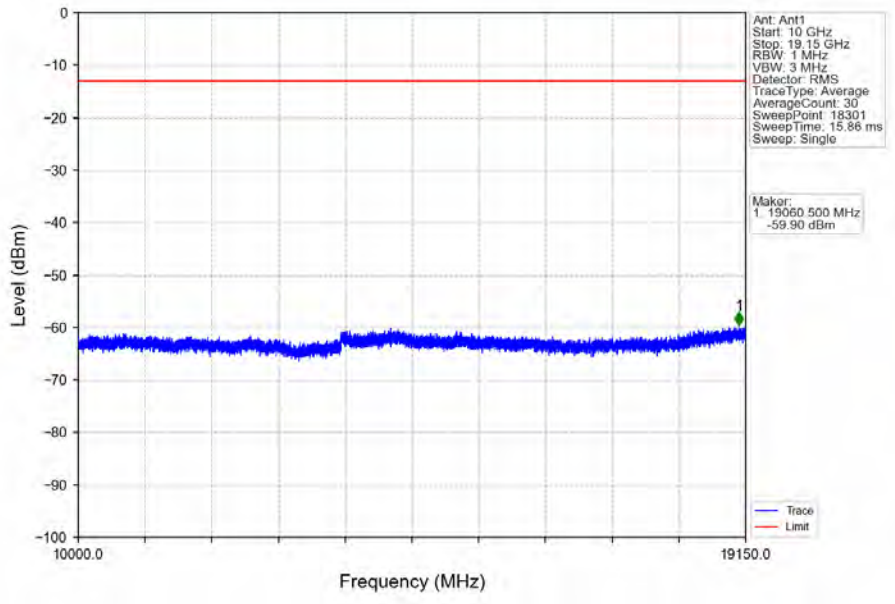

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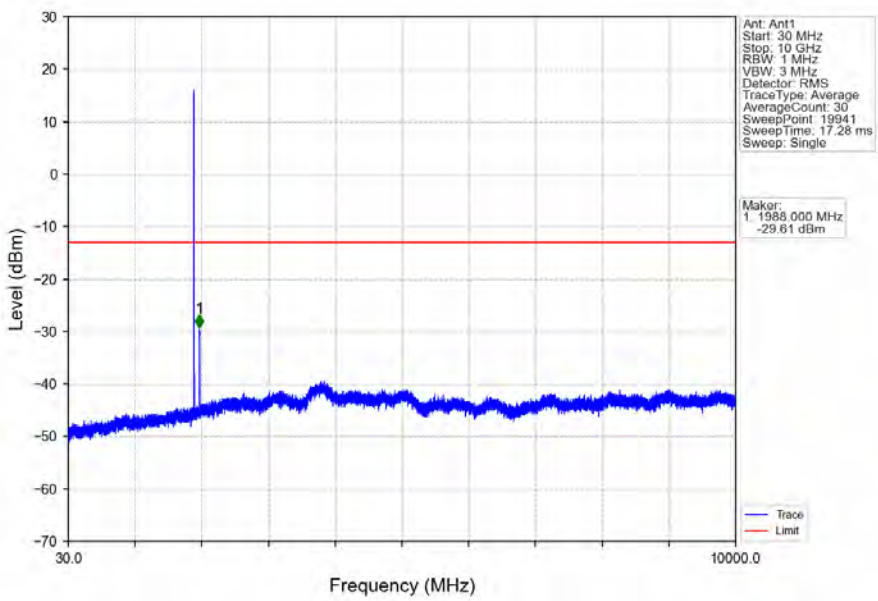

Band25_10MHz_256QAM_HCH_1910MHz_RB_1_0_NTNV

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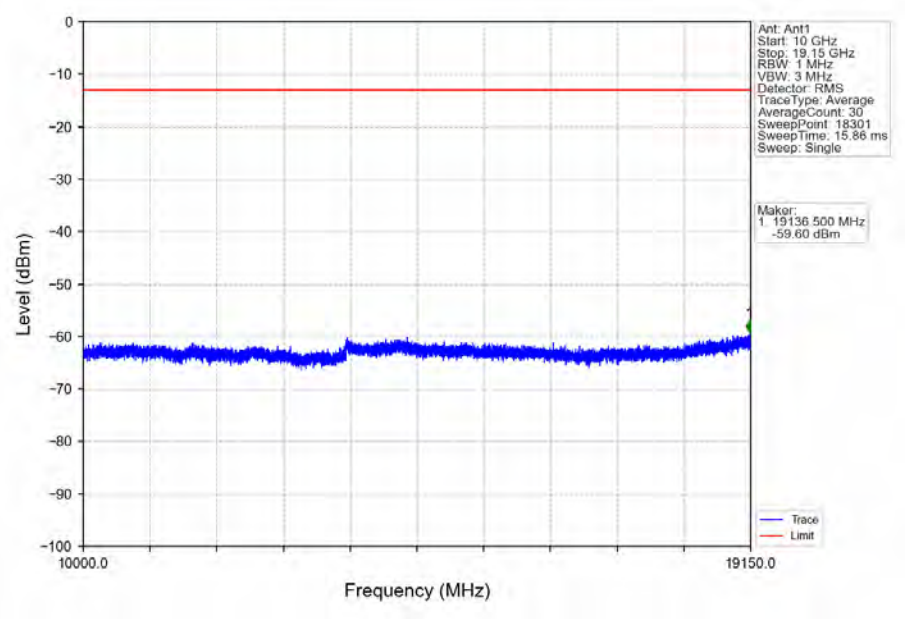

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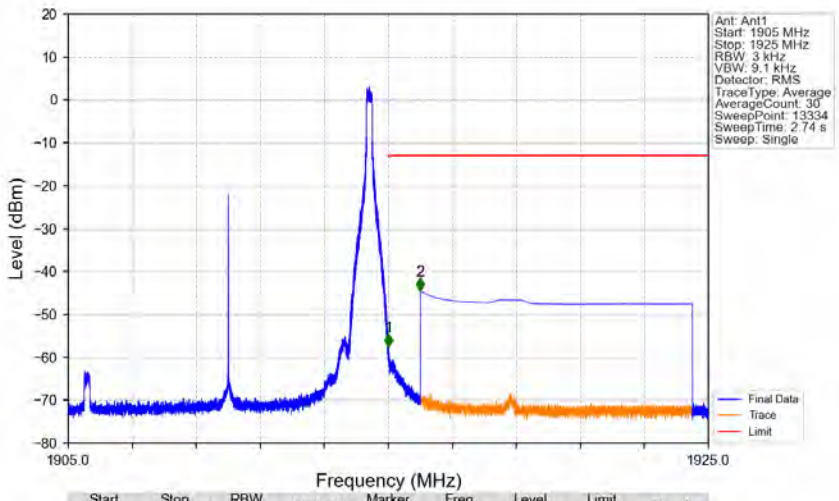

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-57.52	-13	Pass
1916	1925	1	CHP	2	1916.001	-44.49	-13	Pass

Band25_10MHz_256QAM_HCH_1910MHz_RB_50_0_NTNV

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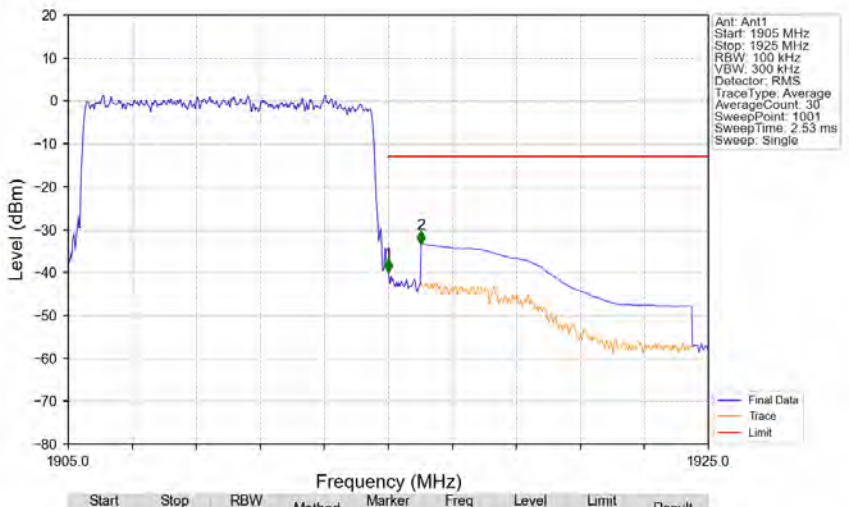

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.1	/	/	/	/	/	/
1915	1916	0.1	/	1	1915.000	-39.92	-13	Pass
1916	1925	1	CHP	2	1916.020	-33.35	-13	Pass

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5.5 B25_15MHz

5.5.1 Test Result

Band: 25 / 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
	1882.5	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
64QAM	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
256QAM	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

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5.5.2 Test Graph

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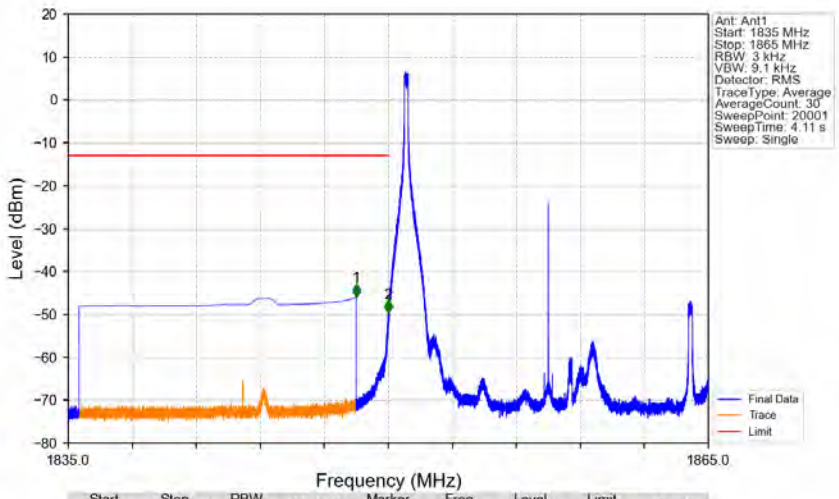

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1848.498	-45.87	-13	Pass
1849	1850	0.003	/	2	1849.994	-49.73	-13	Pass
1850	1865	0.003	/	/	/	/	/	/

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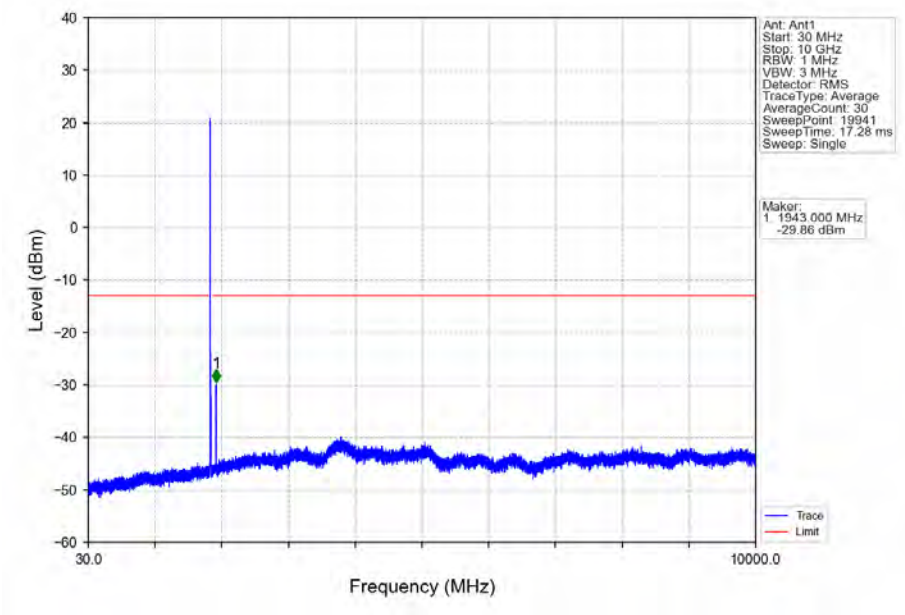

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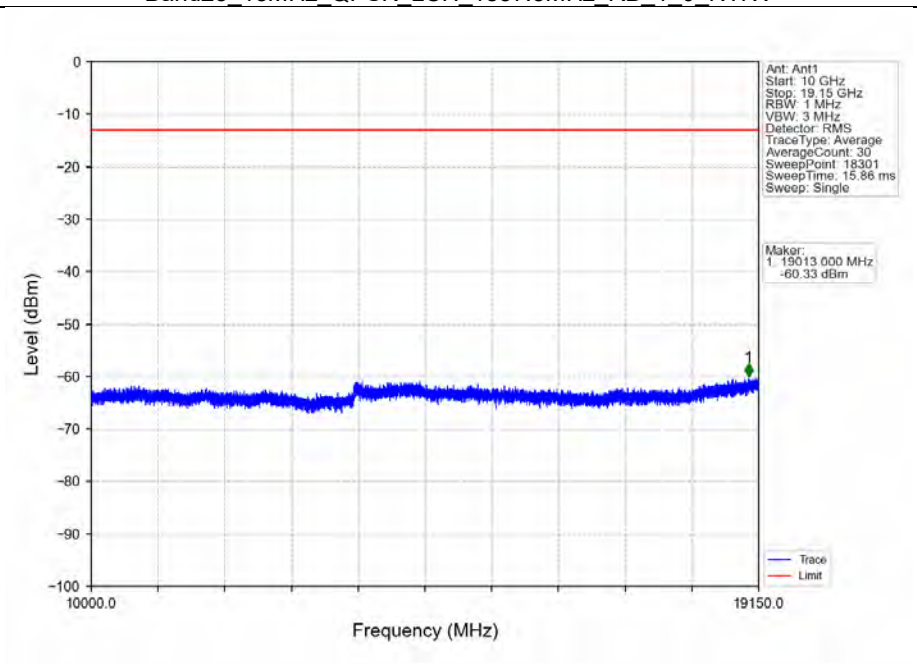

Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV

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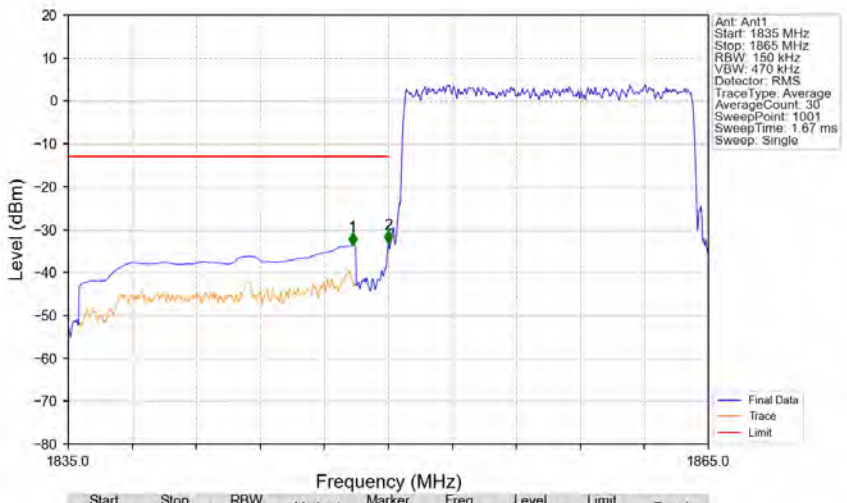

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1848.320	-33.81	-13	Pass
1849	1850	0.15	/	2	1850.000	-33.30	-13	Pass
1850	1865	0.15	/	/	/	/	/	/

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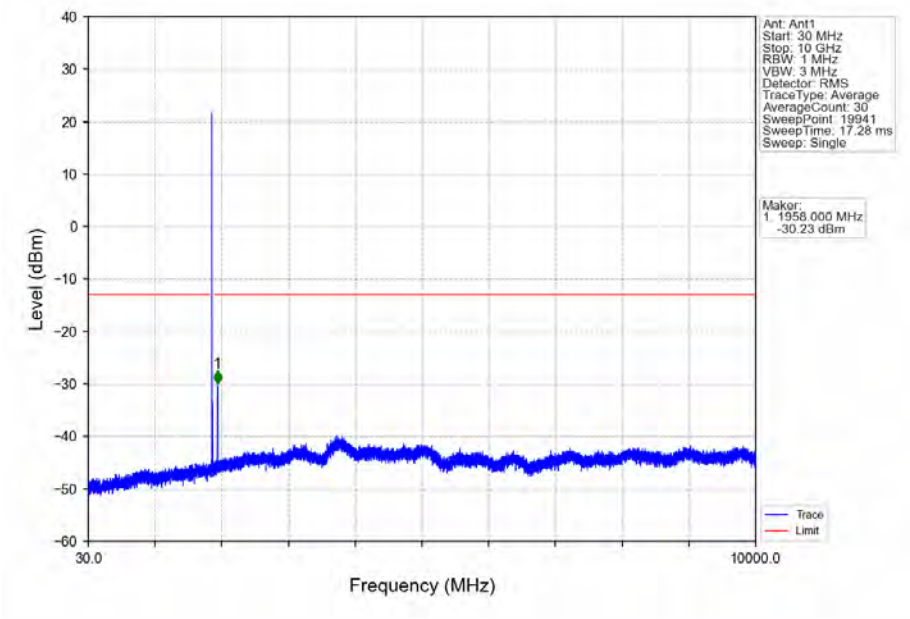

Band25_15MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV

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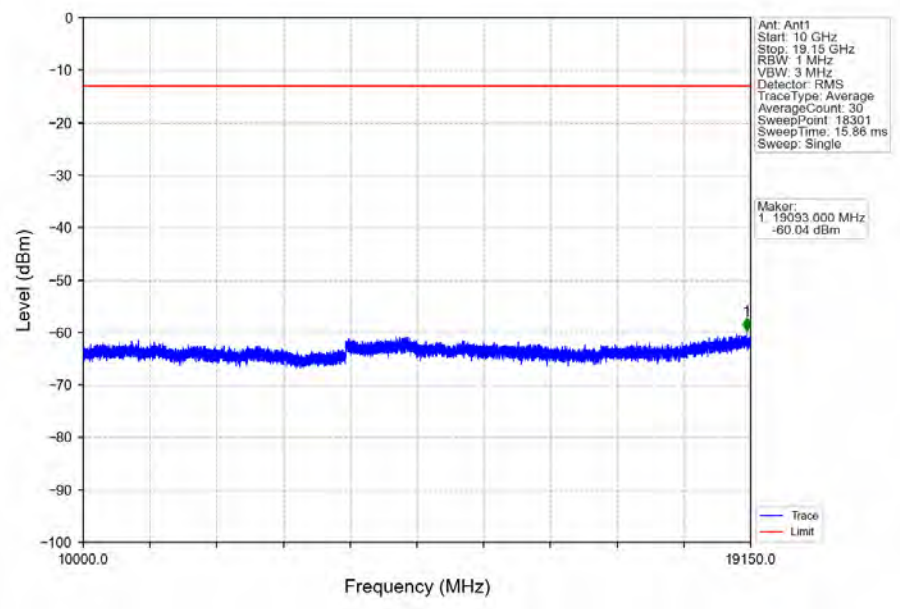

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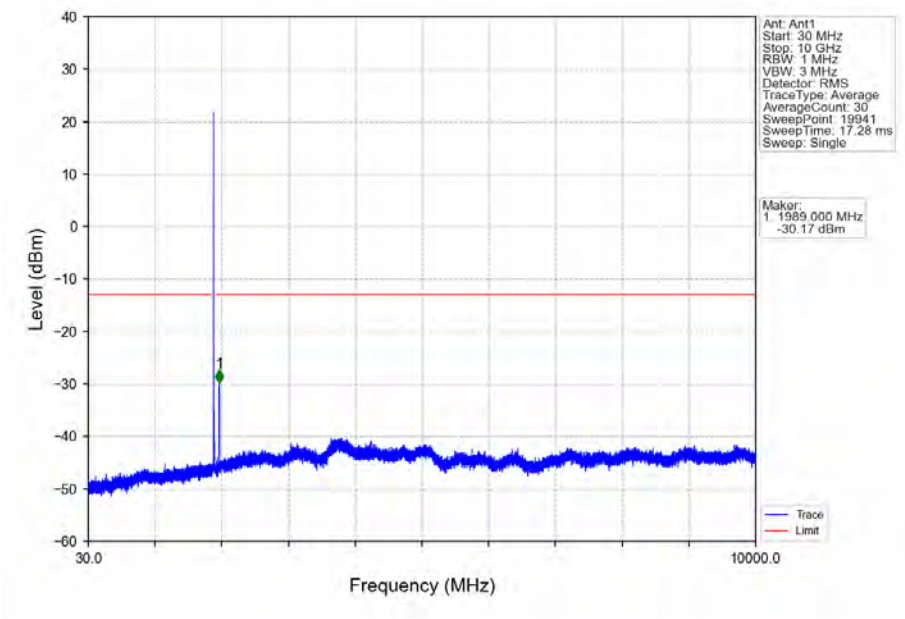
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV



Band25_15MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV

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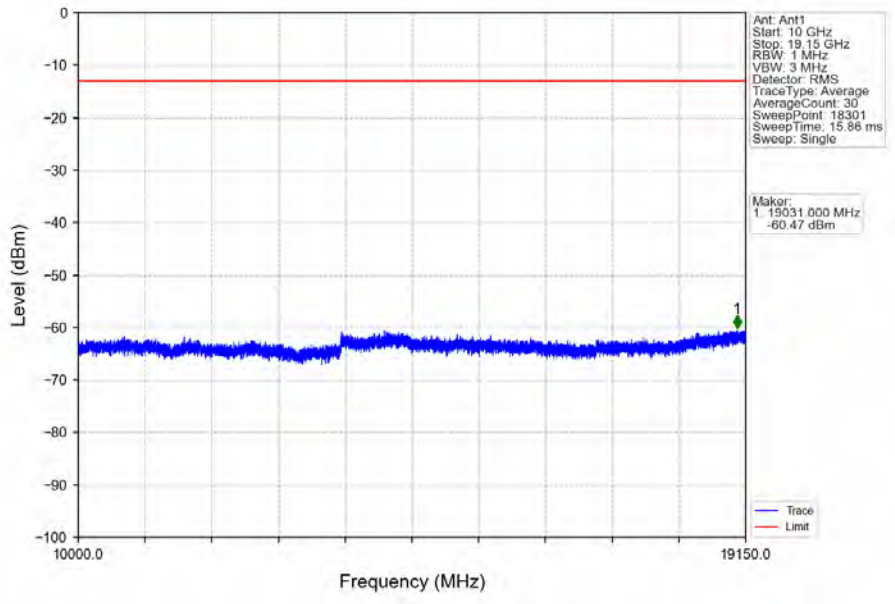

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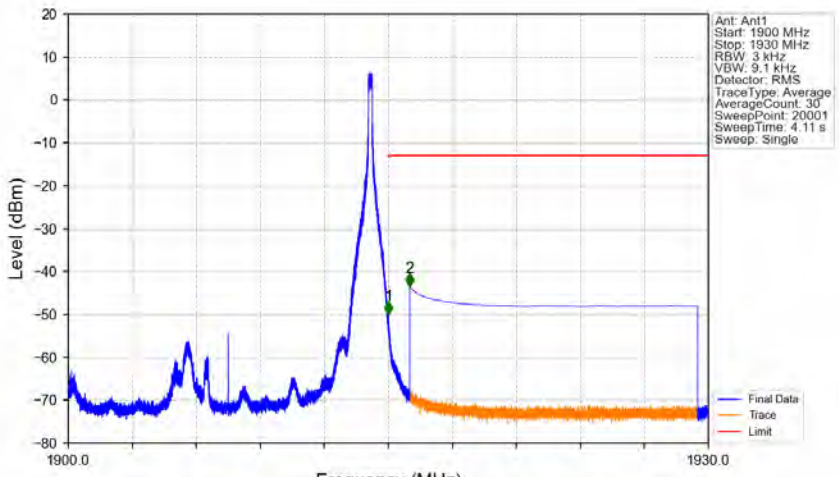

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.003	-50.00	-13	Pass
1916	1930	1	CHP	2	1916.001	-43.45	-13	Pass

Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV

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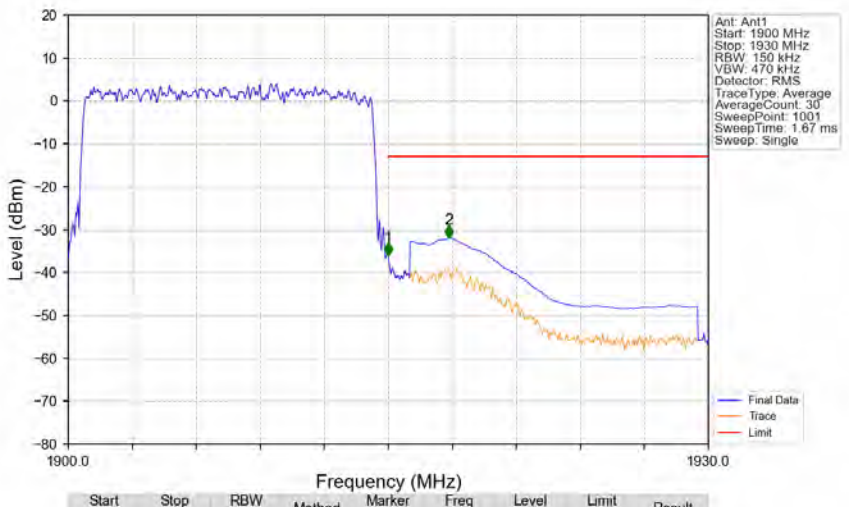

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1915	0.15	/	/	/	/	/	/
1915	1916	0.15	/	1	1915.000	-36.15	-13	Pass
1916	1930	1	CHP	2	1917.850	-32.07	-13	Pass

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