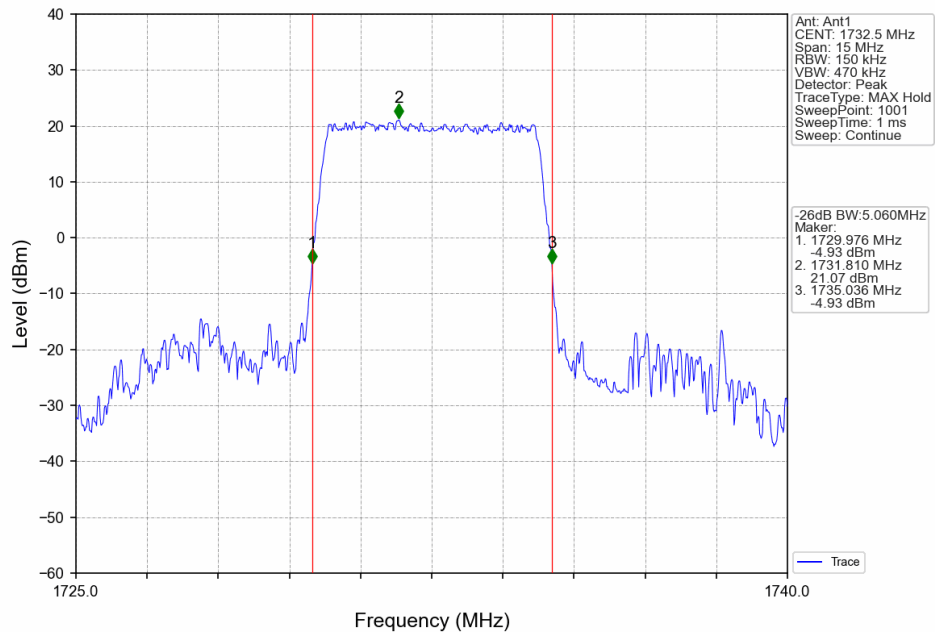


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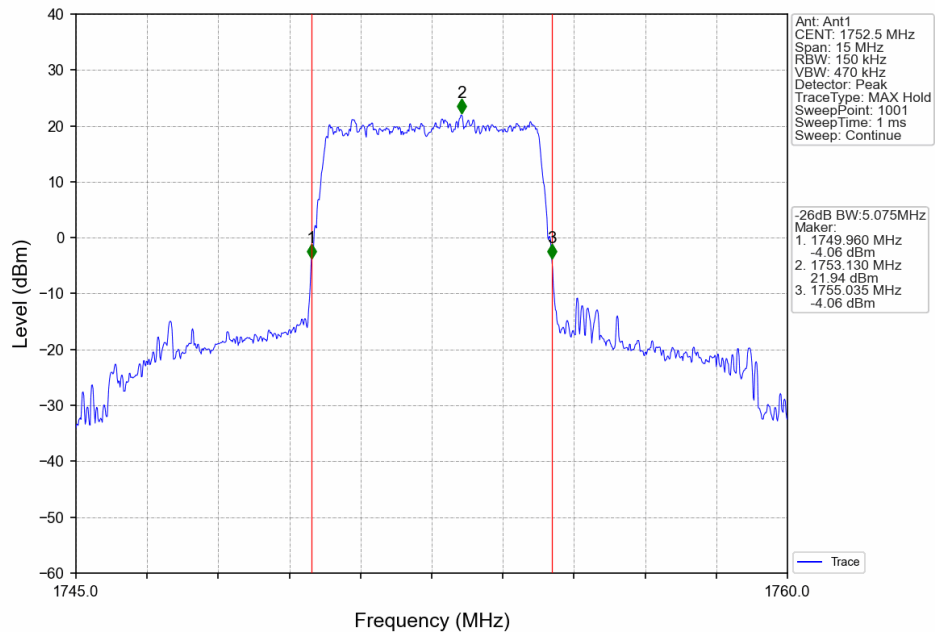
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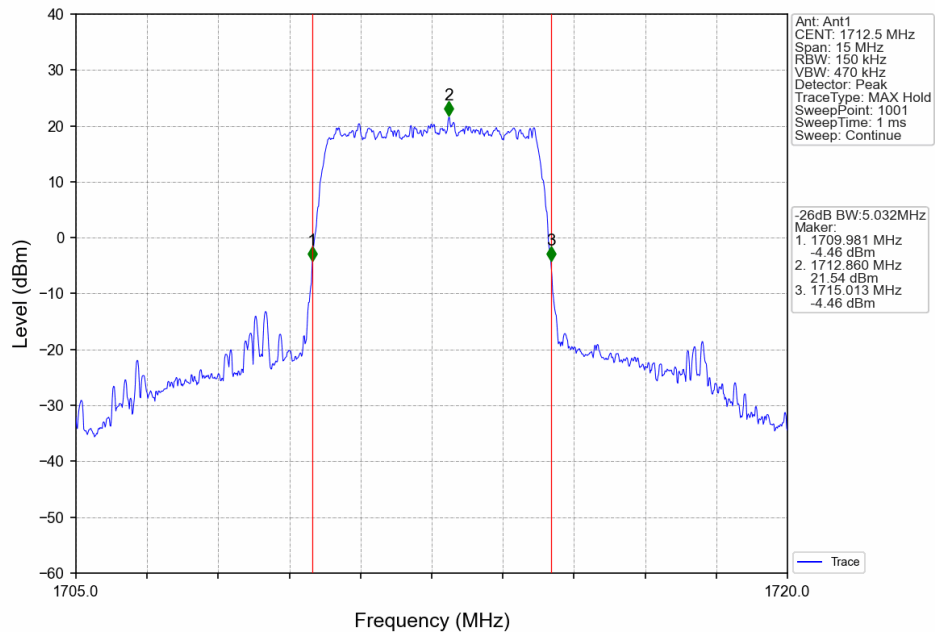
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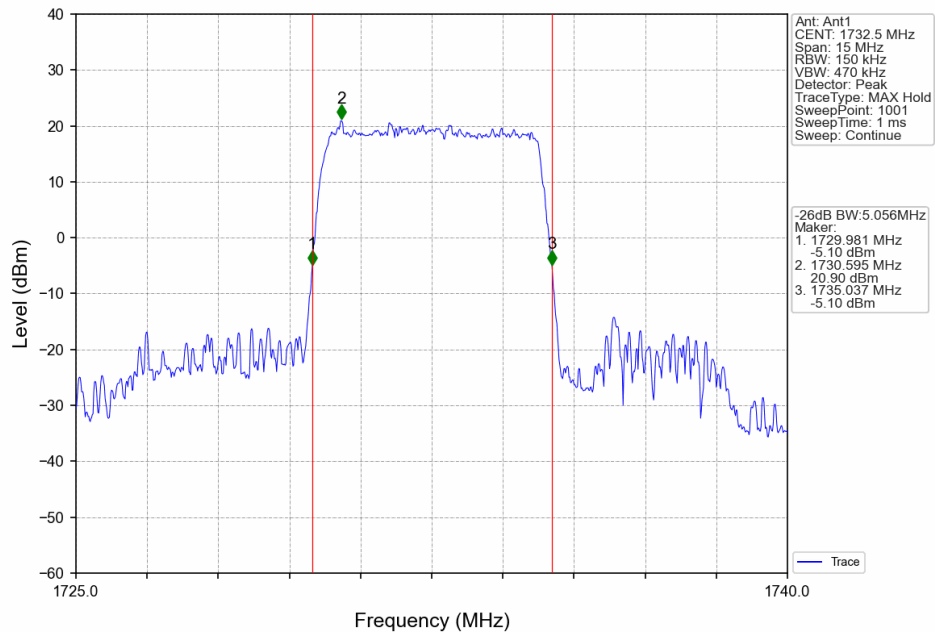
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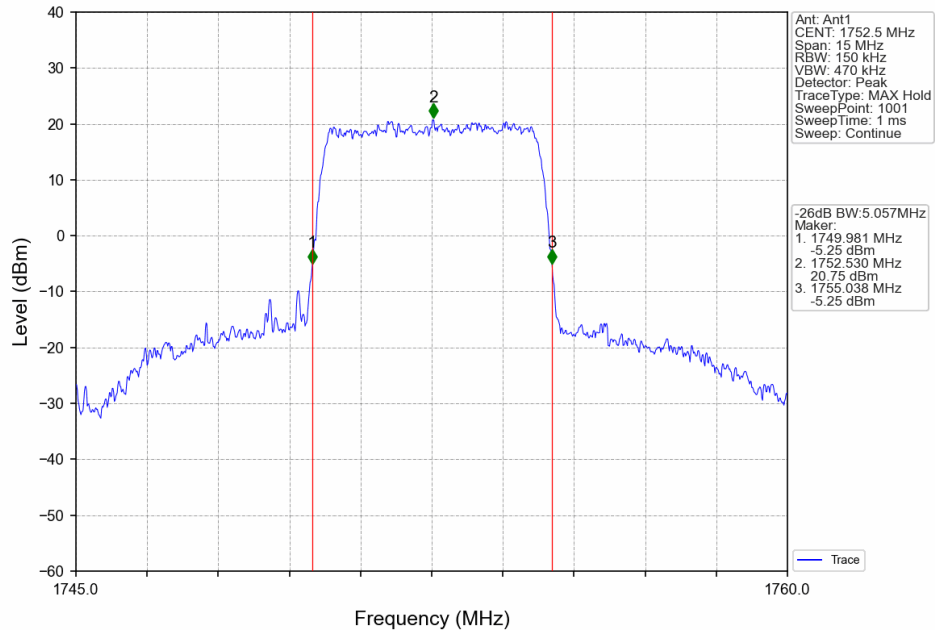
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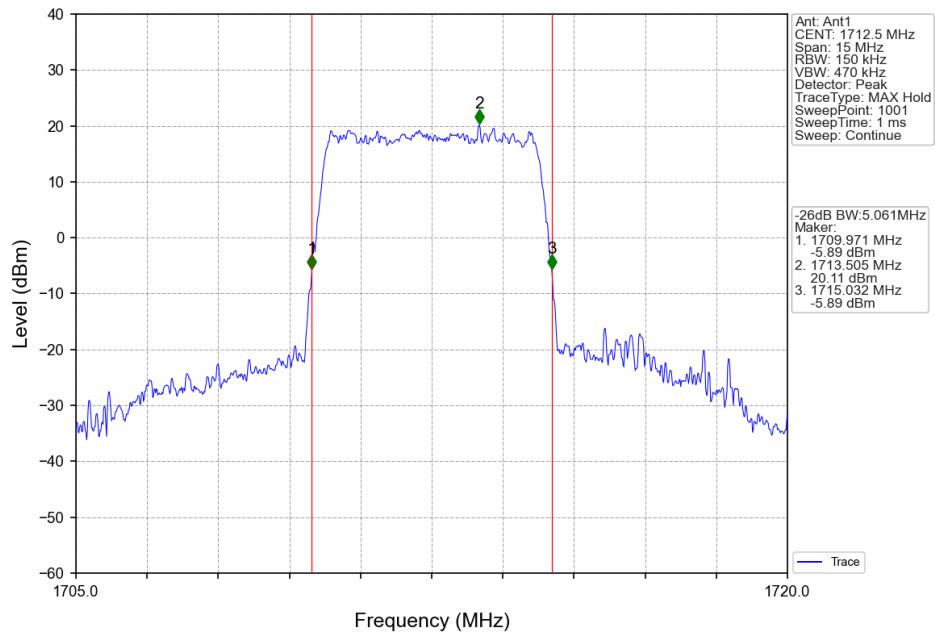
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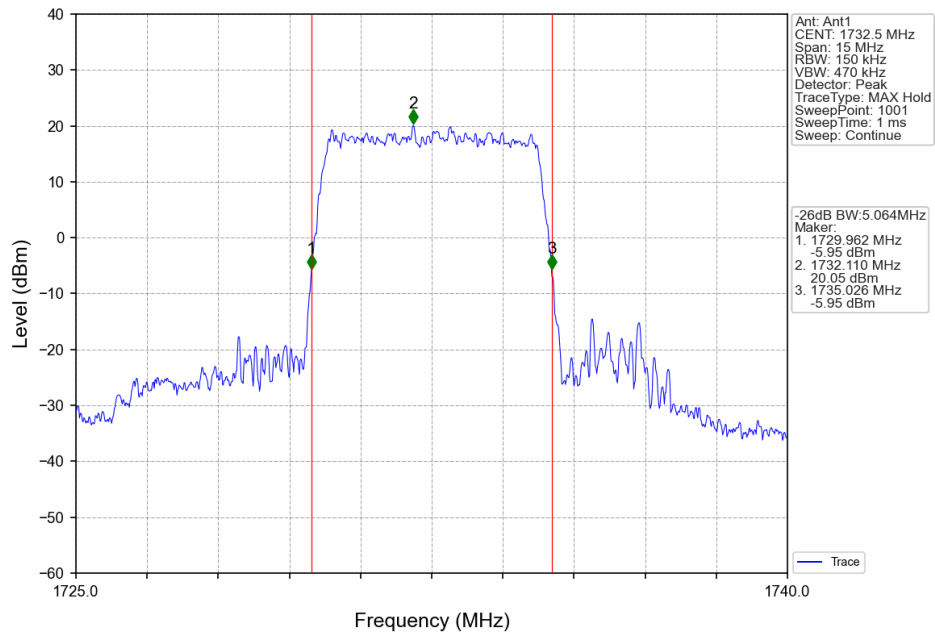
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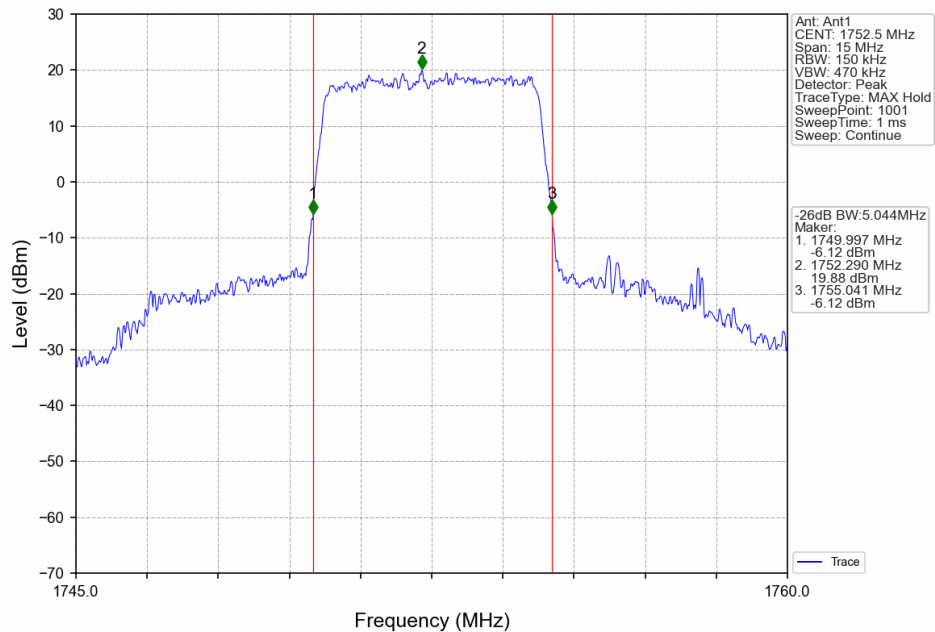
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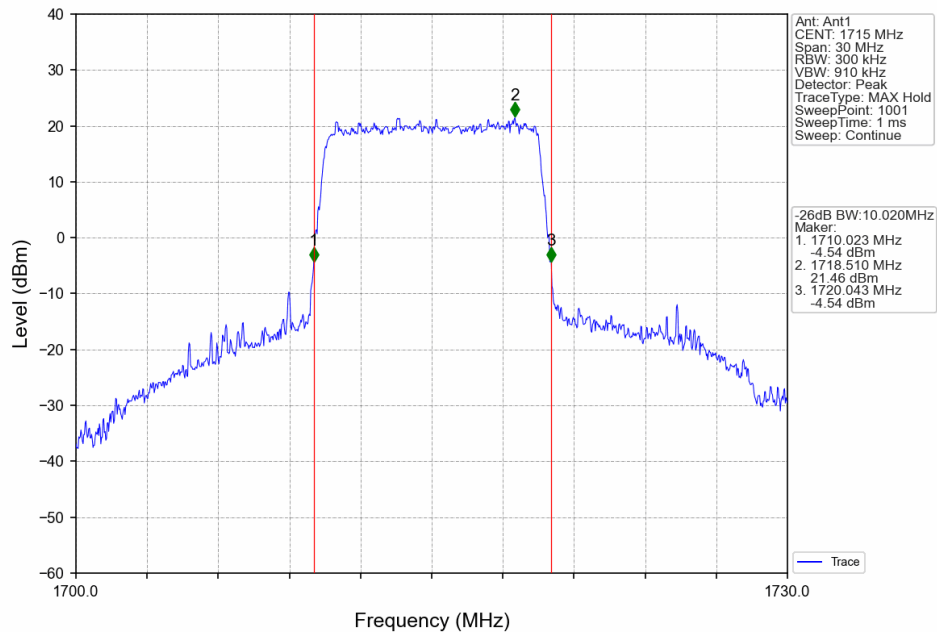
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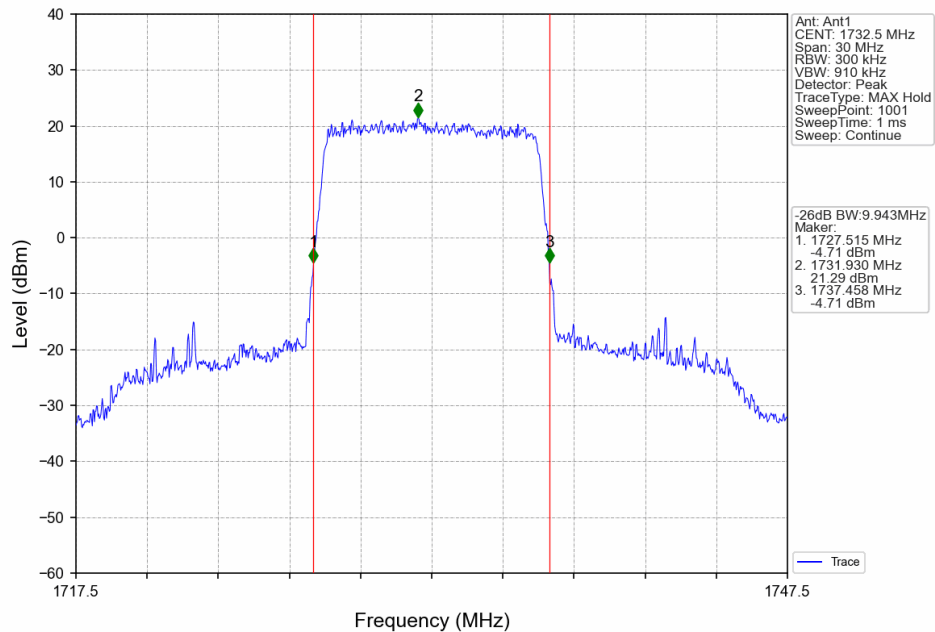
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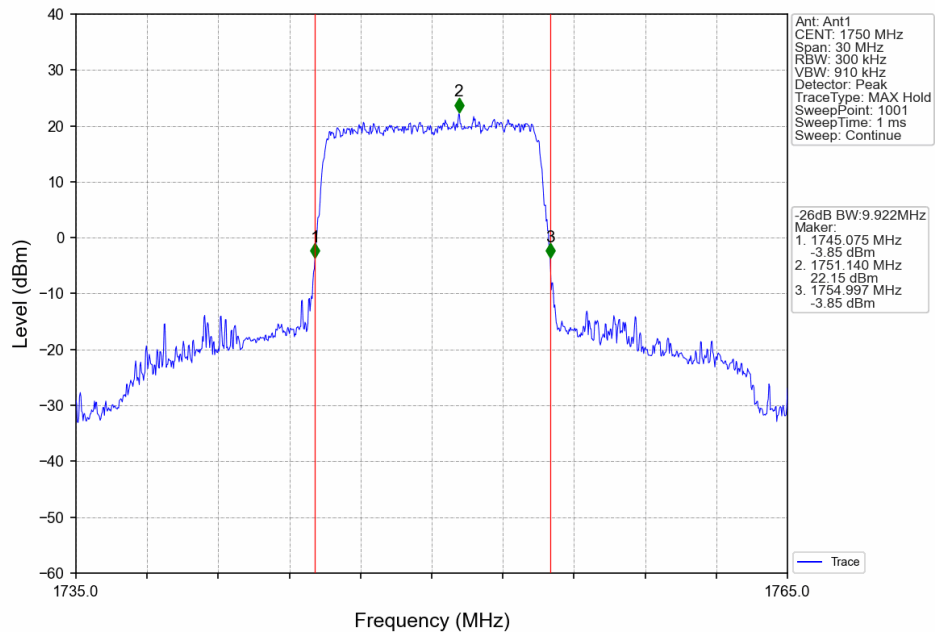
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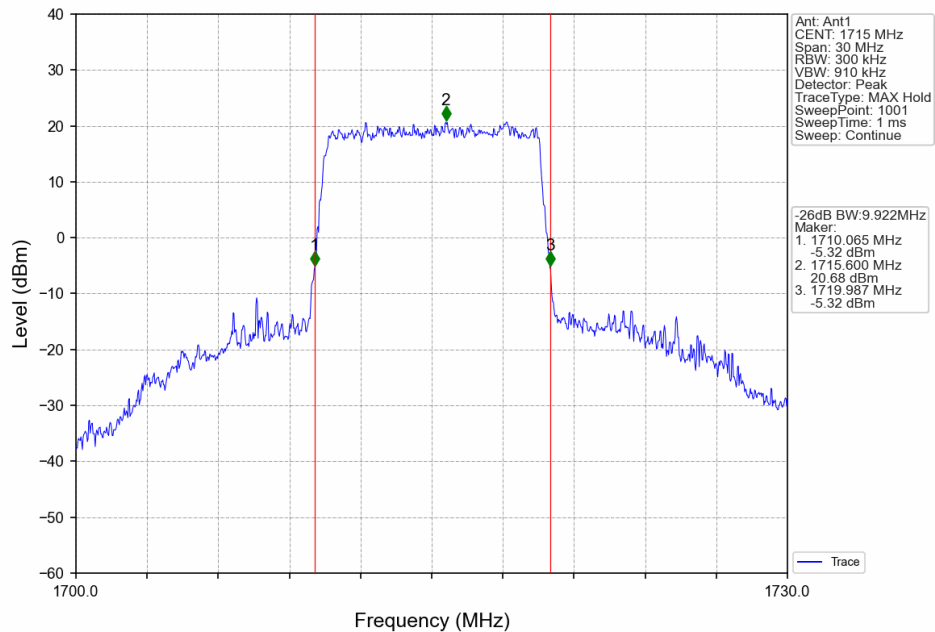
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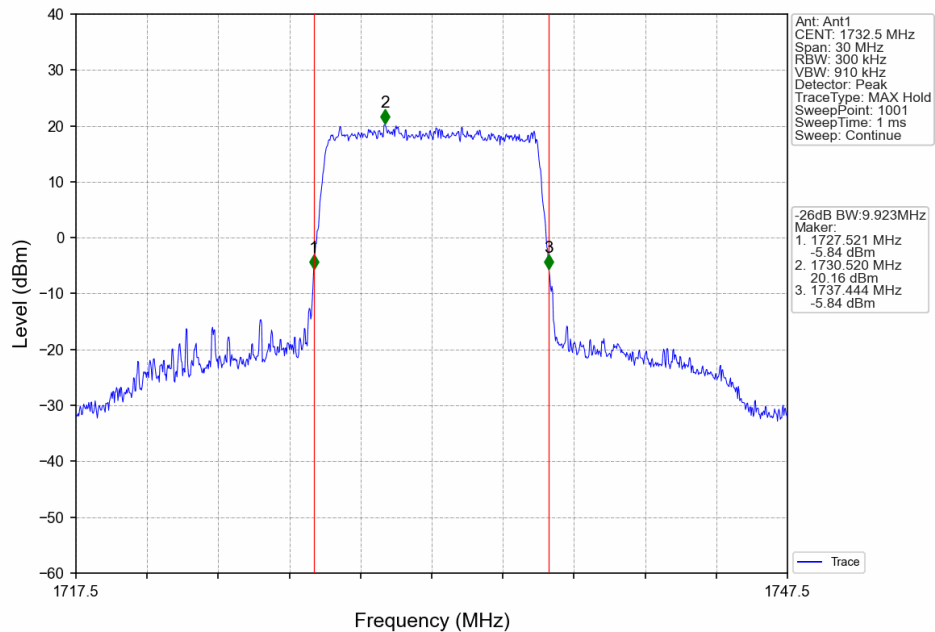
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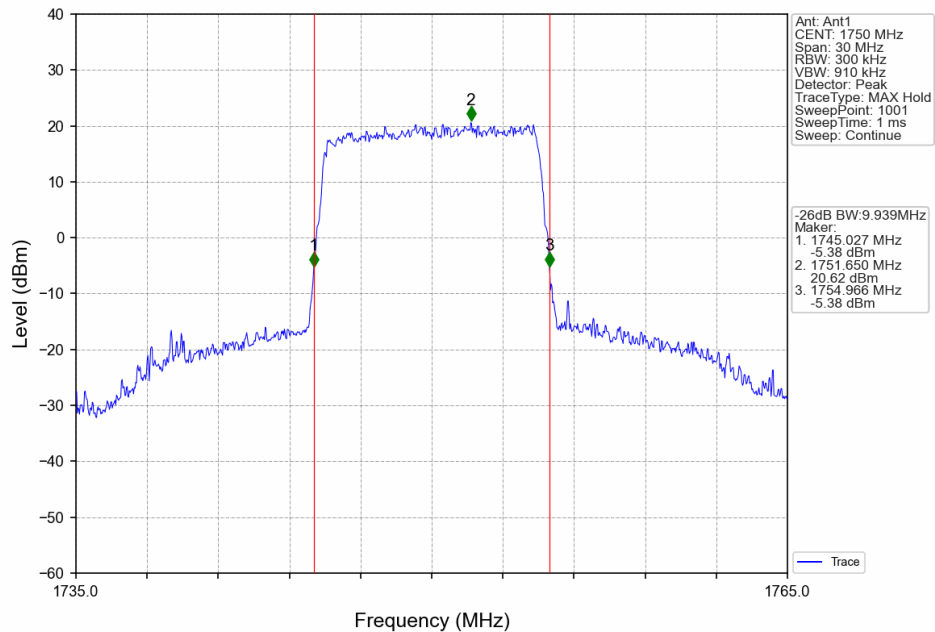
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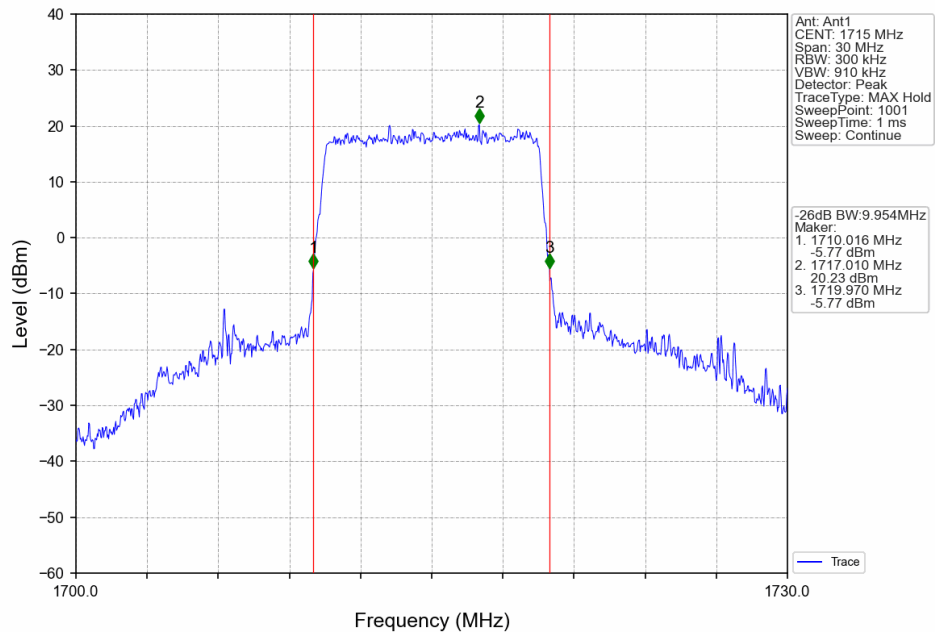
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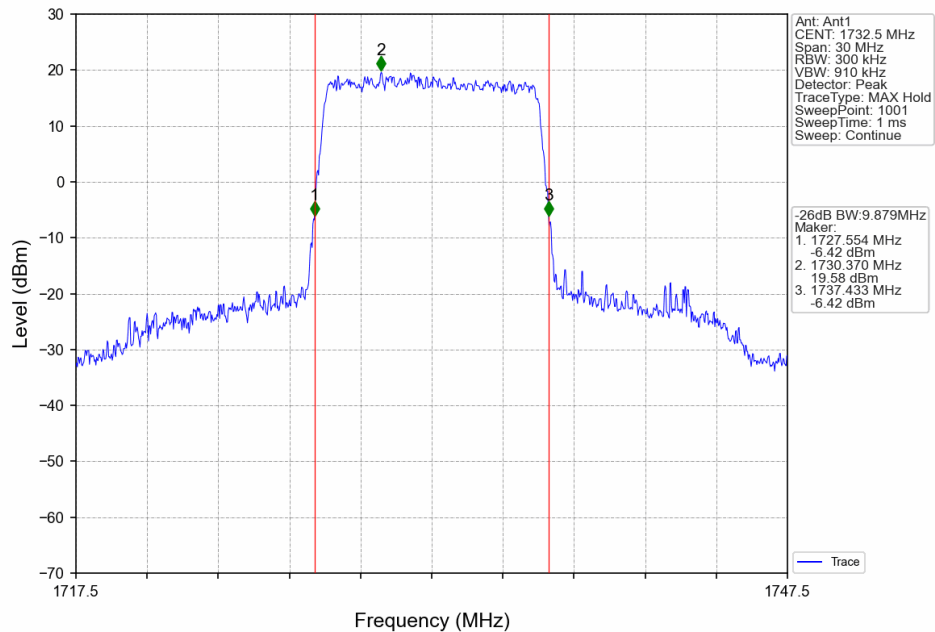
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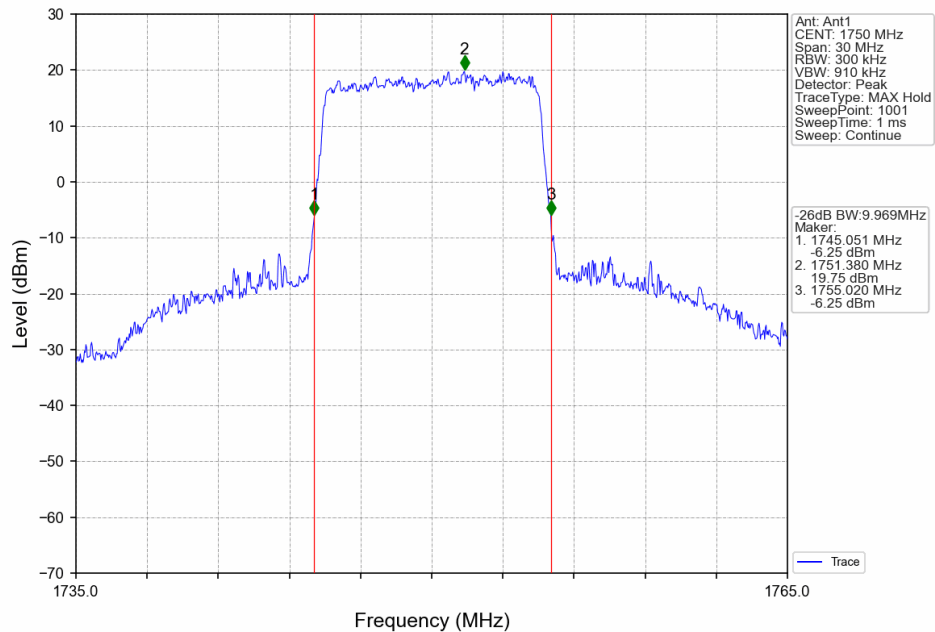
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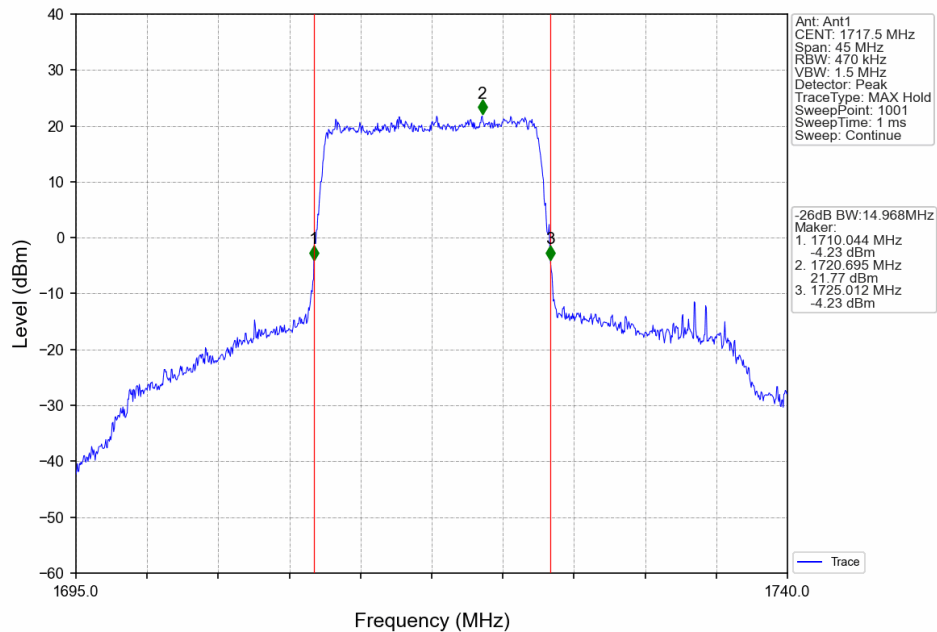
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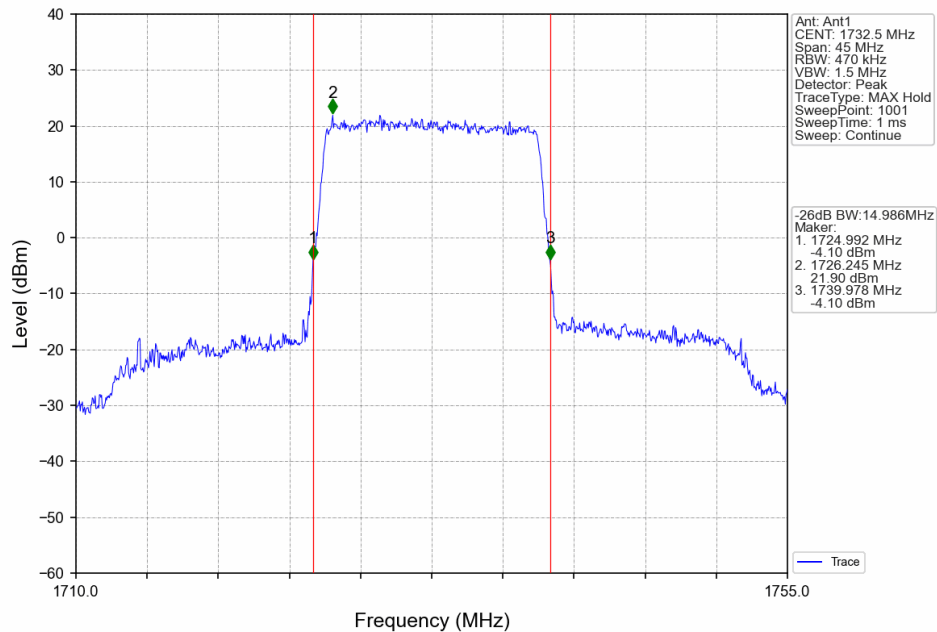
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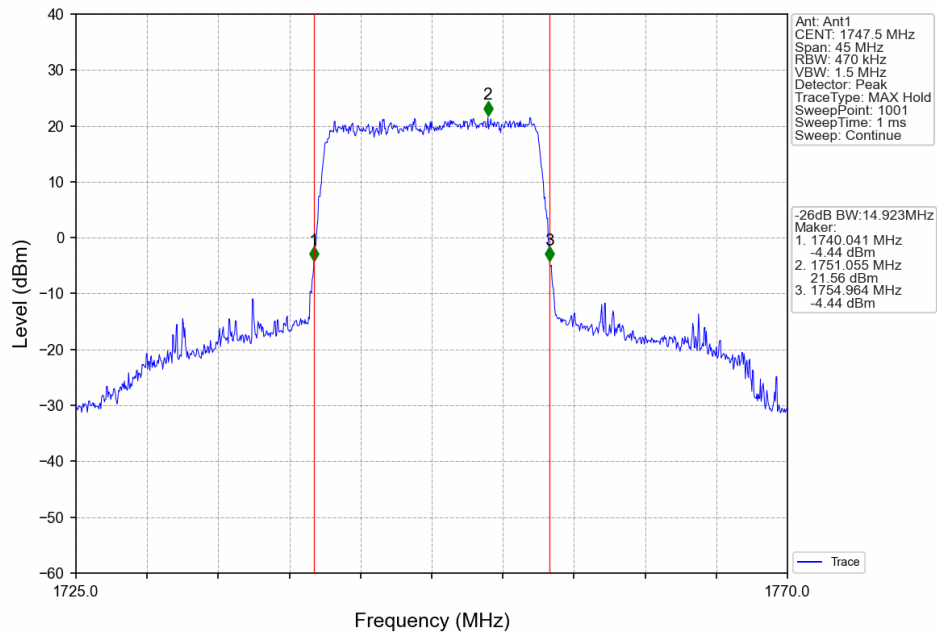
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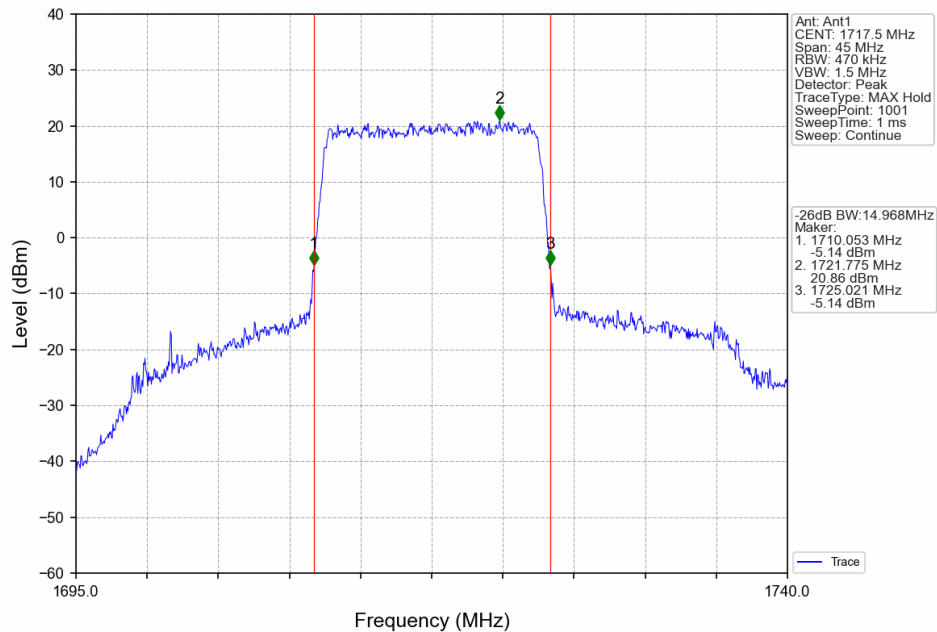
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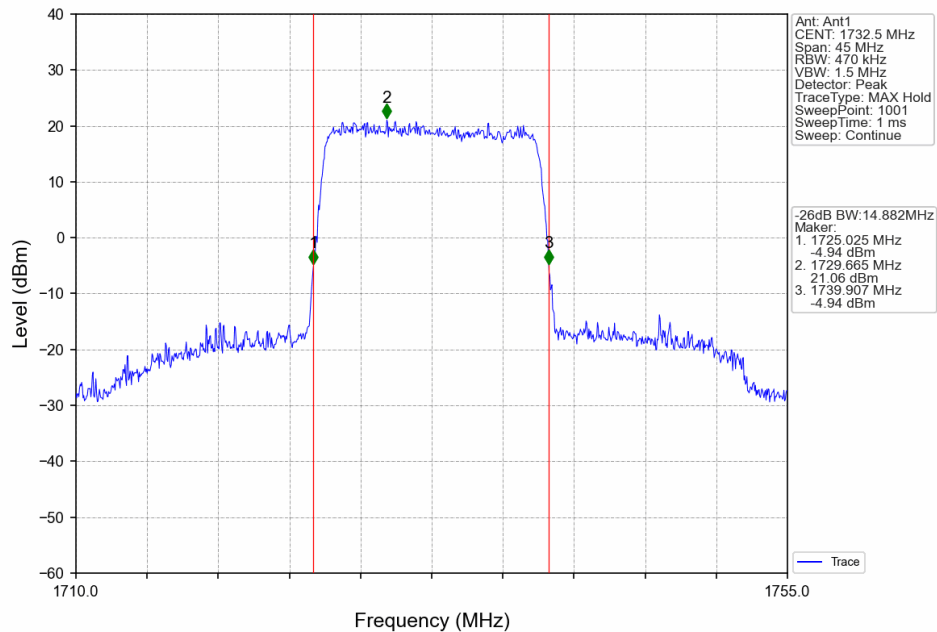
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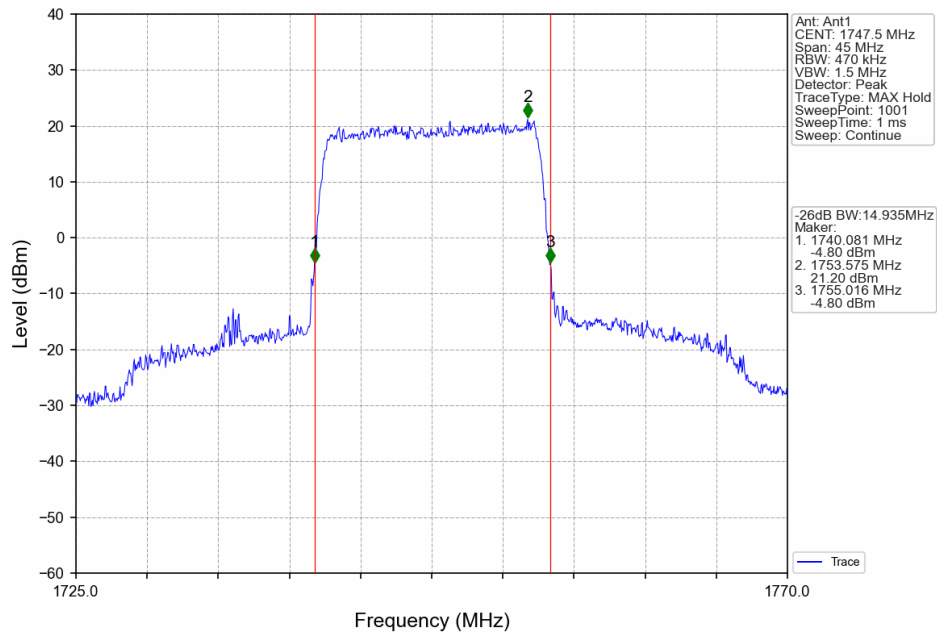
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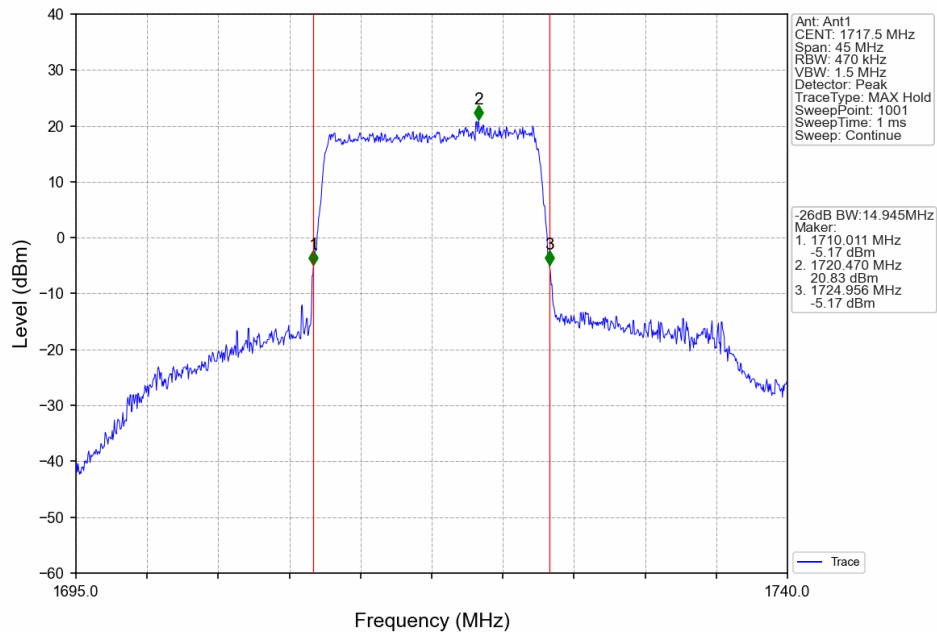
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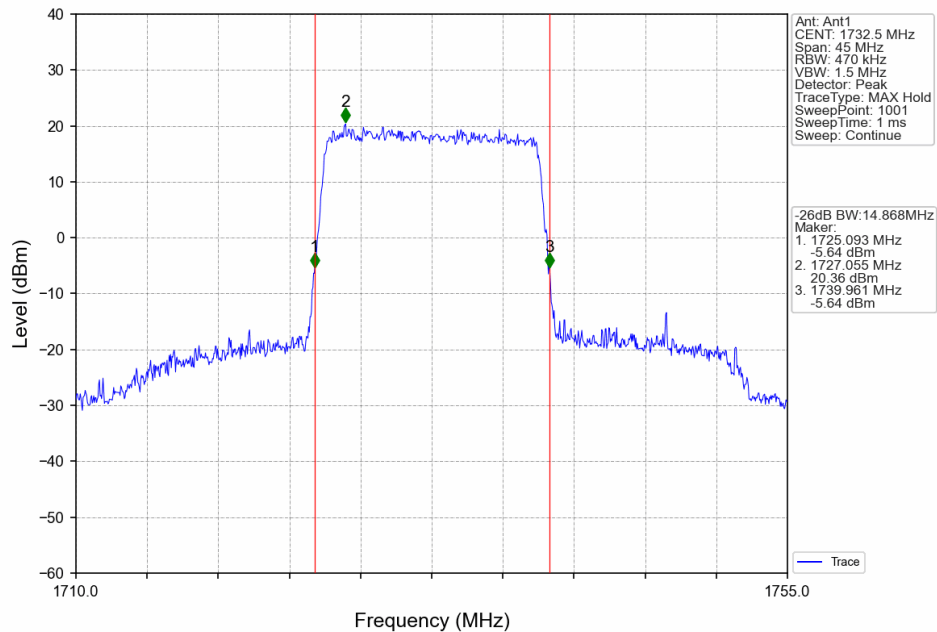
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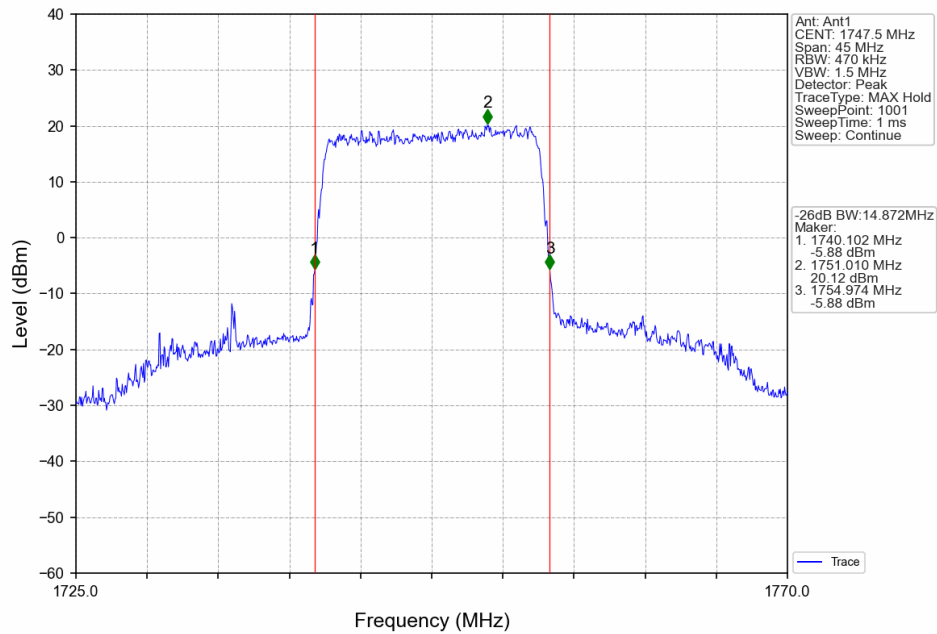
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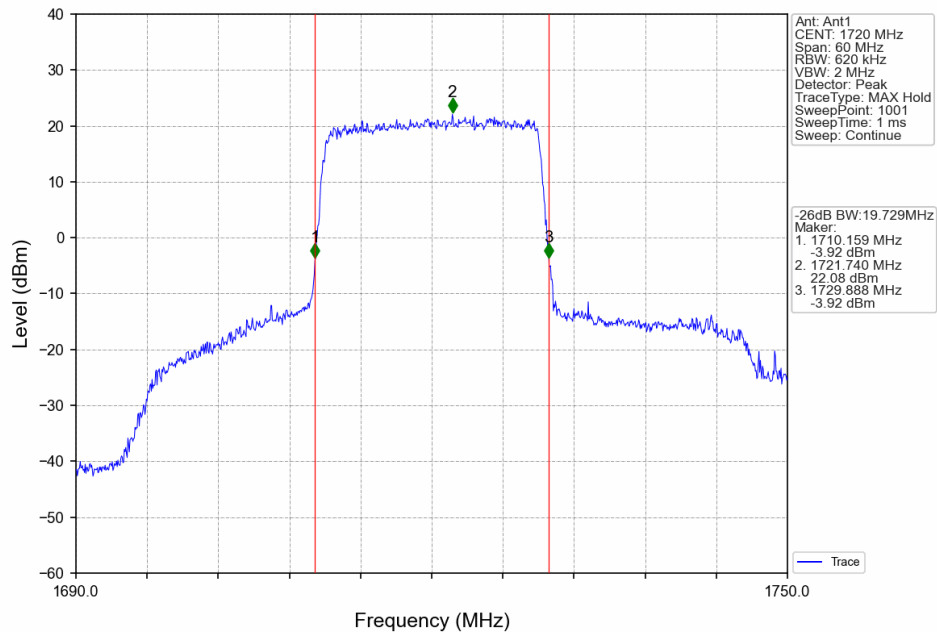
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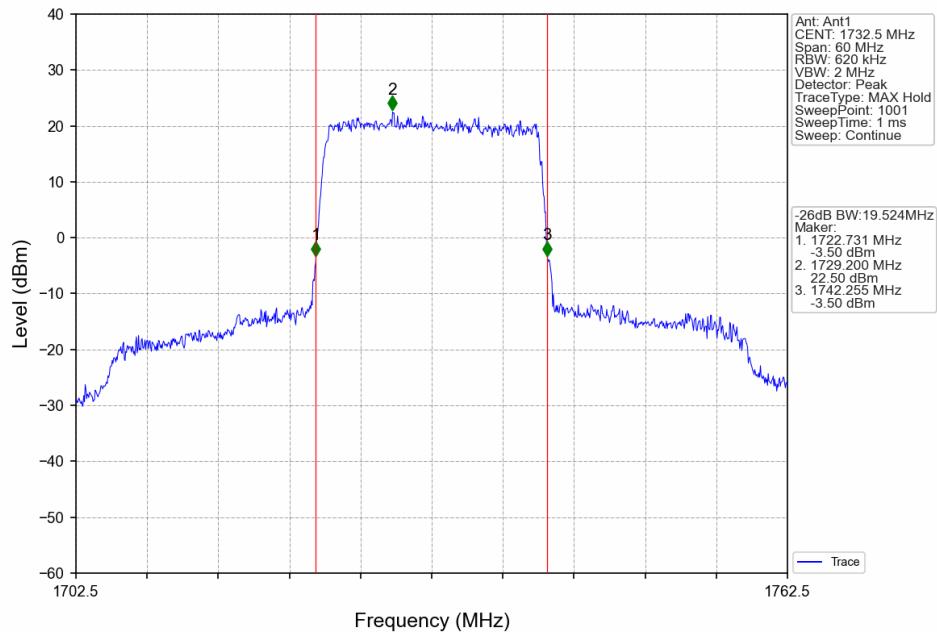
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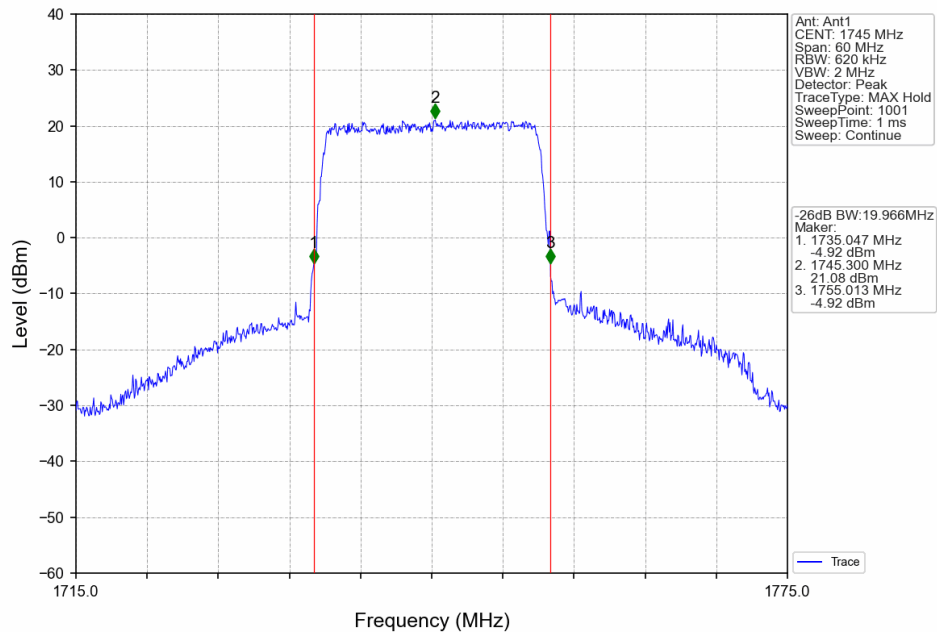
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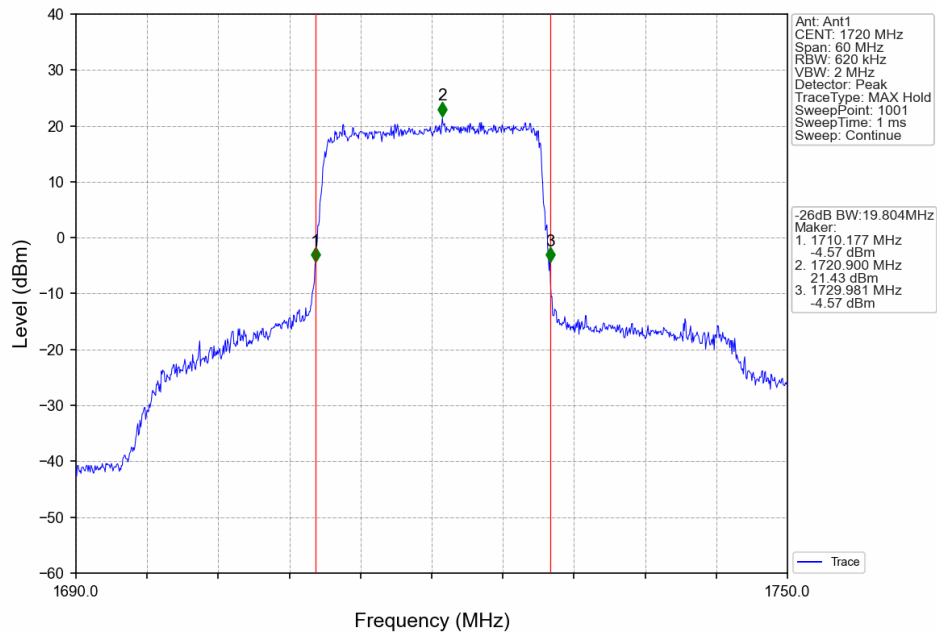
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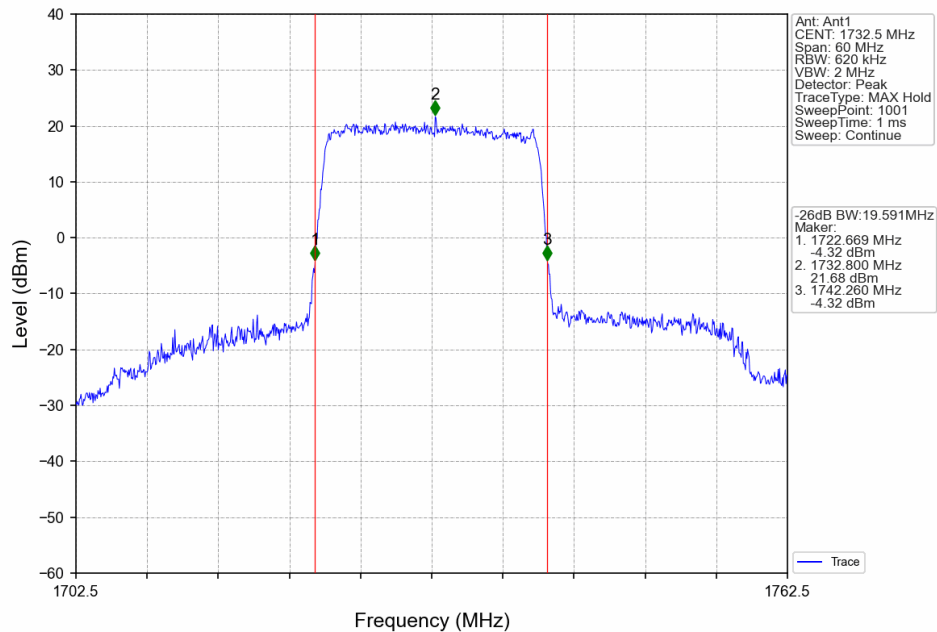
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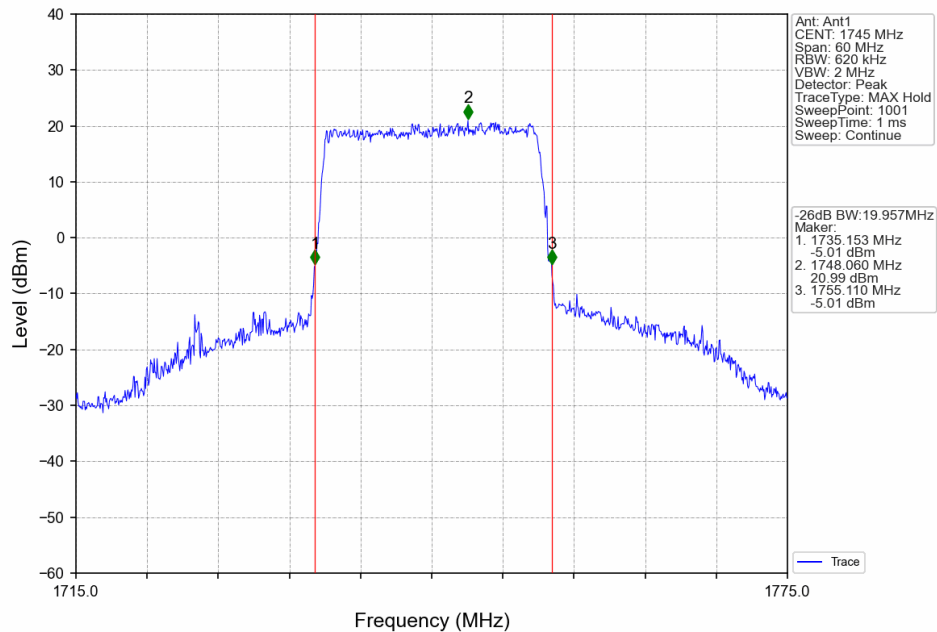
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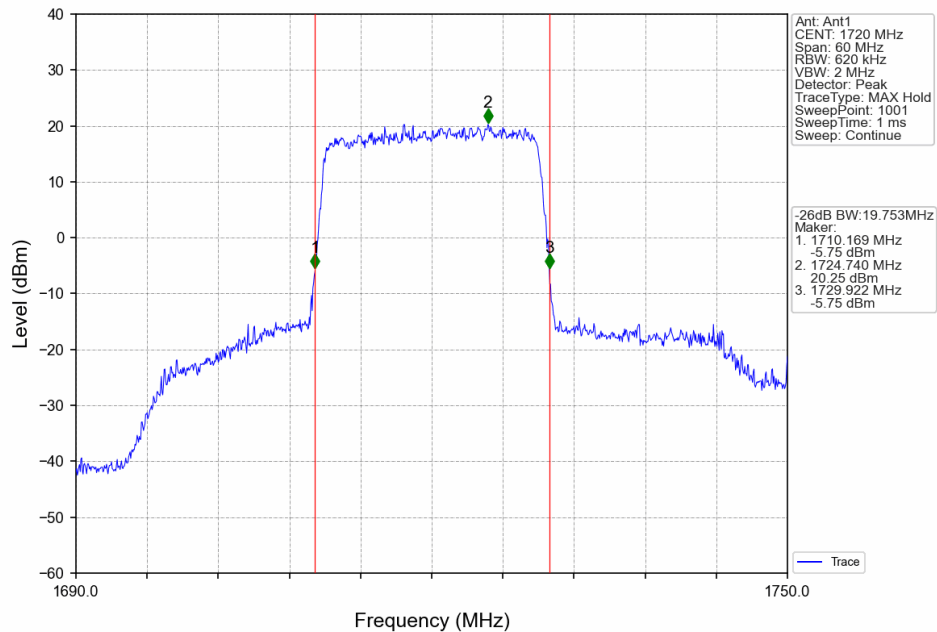
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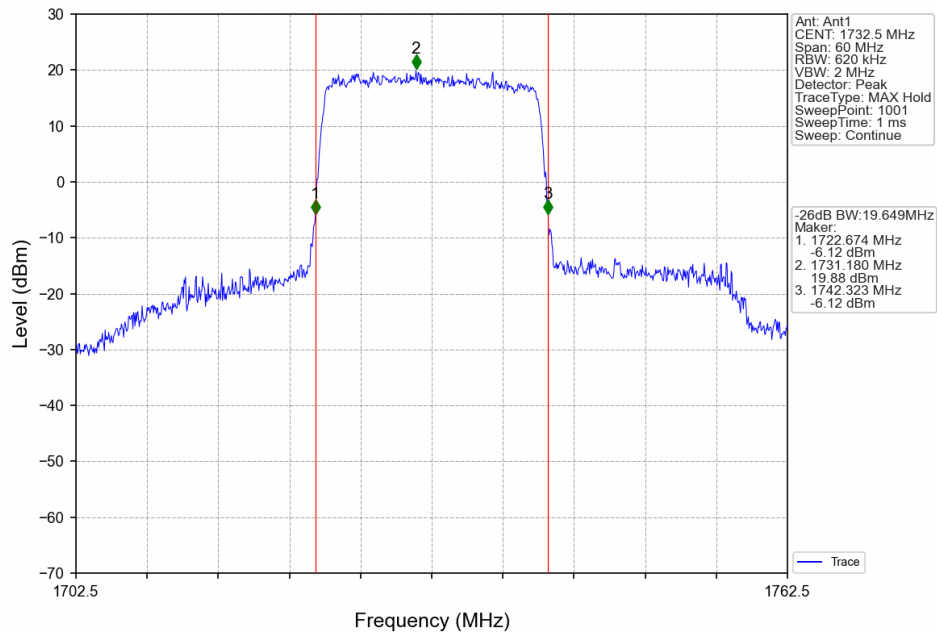
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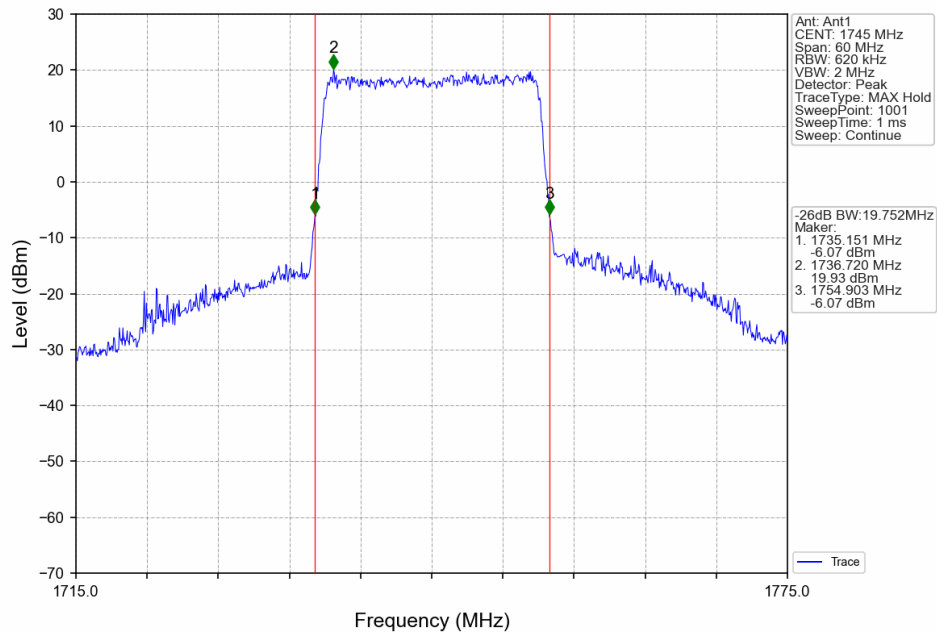
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3. Peak-Average Ratio

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.32	<=13	Pass
	1732.5	6	0	5.26	<=13	Pass
	1754.3	6	0	4.45	<=13	Pass
16QAM	1710.7	6	0	6.05	<=13	Pass
	1732.5	6	0	6.13	<=13	Pass
	1754.3	6	0	5.47	<=13	Pass
64QAM	1710.7	6	0	6.61	<=13	Pass
	1732.5	6	0	6.37	<=13	Pass
	1754.3	6	0	6.77	<=13	Pass



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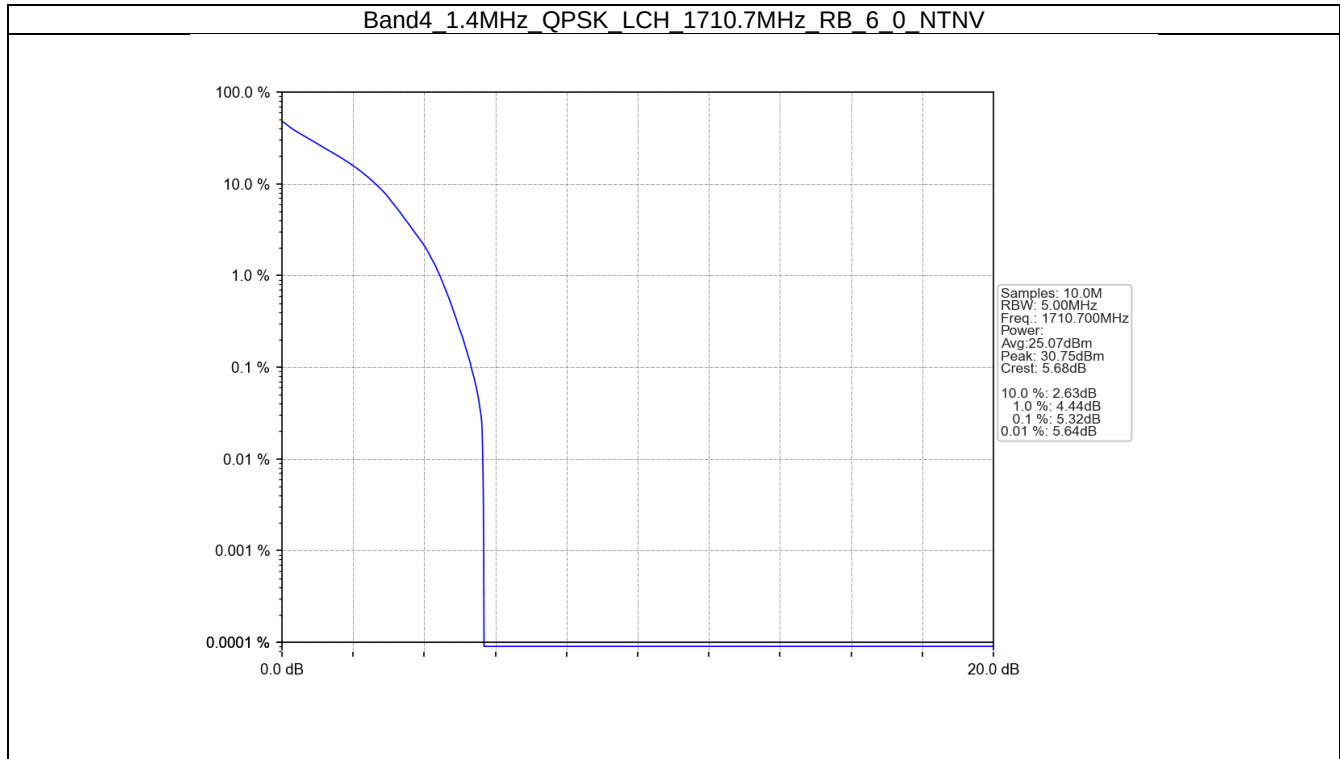
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3.1.2 Test Graph



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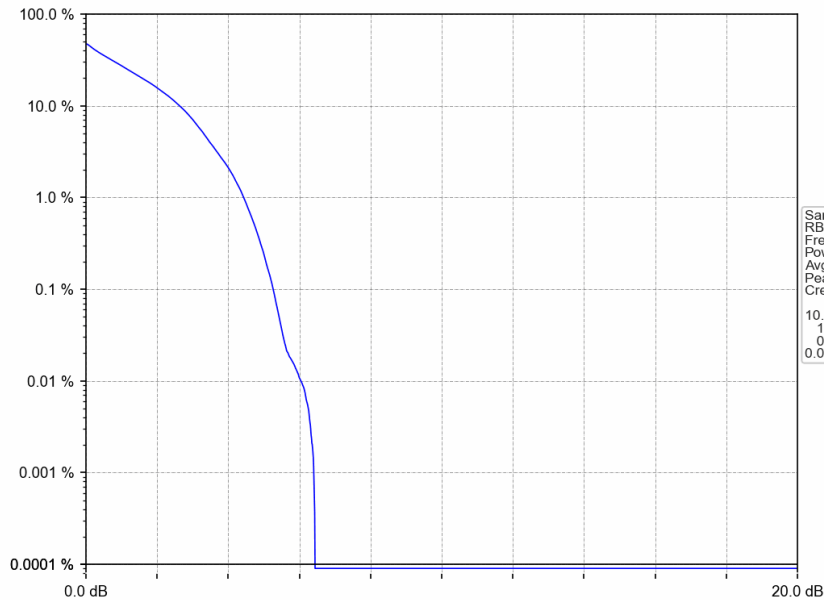
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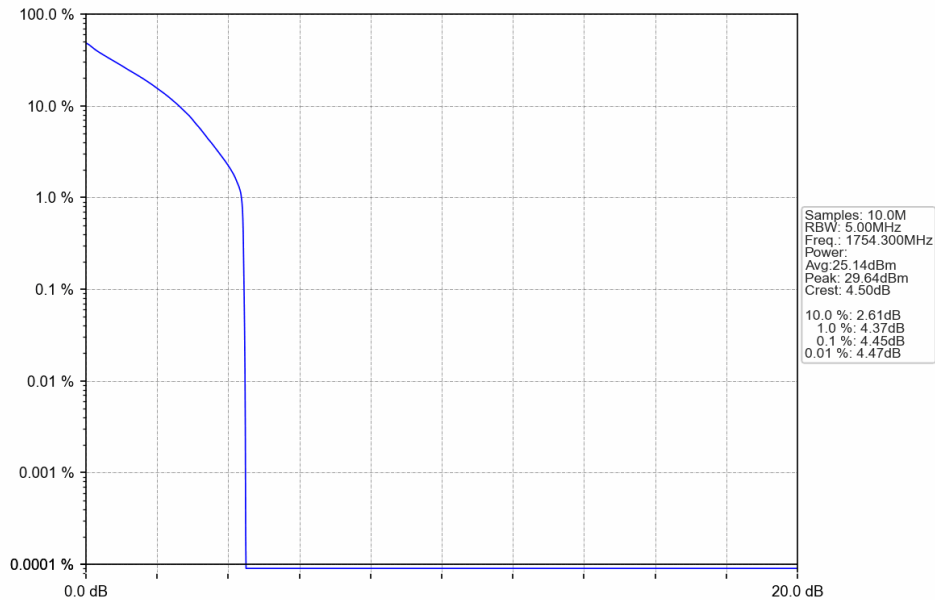
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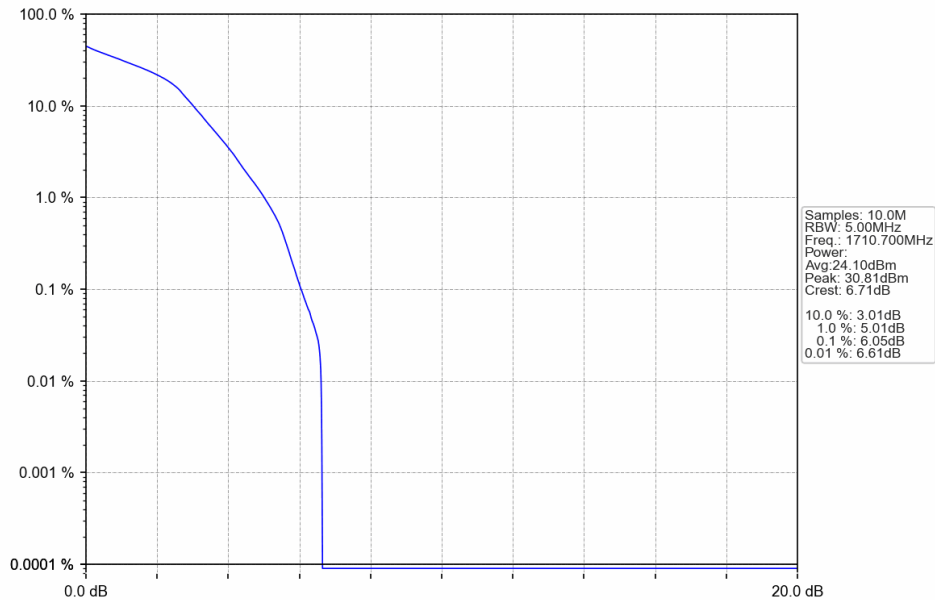
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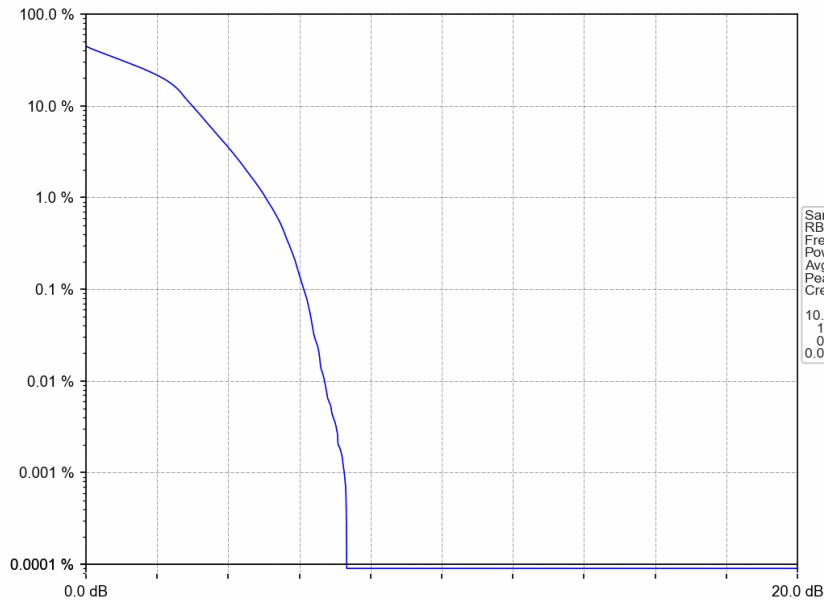
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Band4 1.4MHz 16QAM MCH 1732.5MHz_RB_6_0 NTN



Samples: 10.0M
RBW: 5.00MHz
Freq.: 1732.500MHz
Power:
Avg: 23.78dBm
Peak: 31.11dBm
Crest: 7.33dB
10.0 %: 2.99dB
1.0 %: 5.05dB
0.1 %: 6.13dB
0.01 %: 6.70dB



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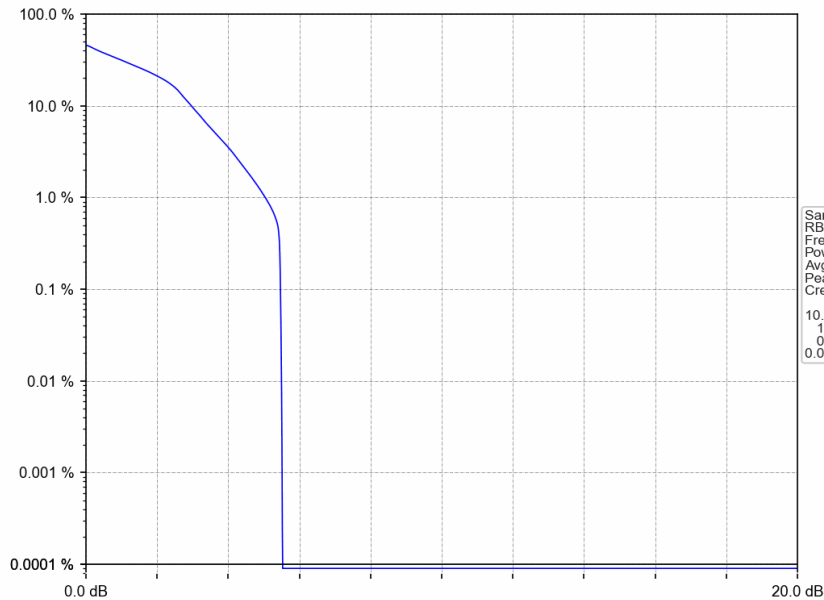
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Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



Samples: 10.0M
RBW: 5.00MHz
Freq.: 1754.300MHz
Power:
Avg: 24.13dBm
Peak: 29.73dBm
Crest: 5.60dB
10.0 %: 2.96dB
1.0 %: 5.04dB
0.1 %: 5.47dB
0.01 %: 5.50dB



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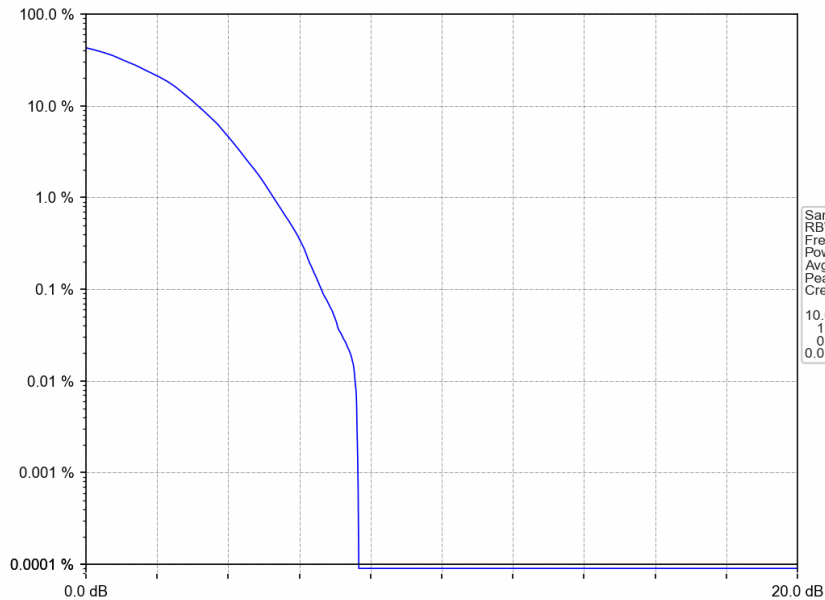
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Band4 1.4MHz 64QAM LCH 1710.7MHz_RB_6_0_NTNV



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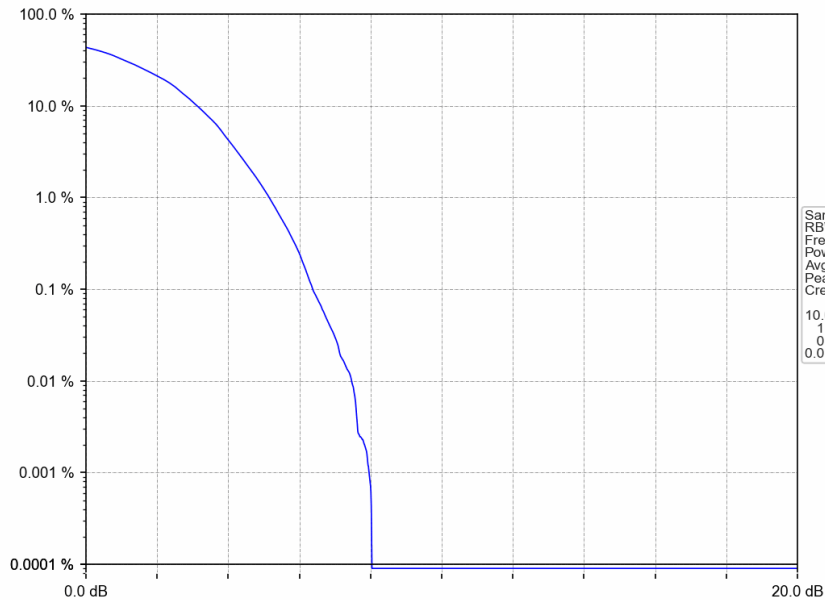
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Band4 1.4MHz 64QAM MCH 1732.5MHz_RB_6_0 NTN



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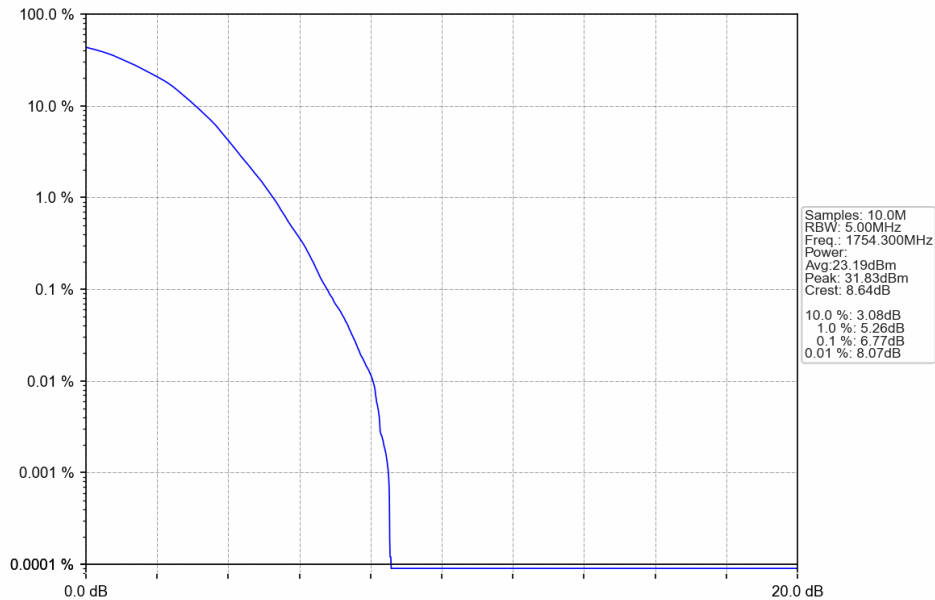
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Band4 1.4MHz 64QAM HCH 1754.3MHz_RB_6_0 NTN



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3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.22	<=13	Pass
	1732.5	15	0	5.17	<=13	Pass
	1753.5	15	0	5.22	<=13	Pass
16QAM	1711.5	15	0	6.02	<=13	Pass
	1732.5	15	0	6.00	<=13	Pass
	1753.5	15	0	6.03	<=13	Pass
64QAM	1711.5	15	0	6.65	<=13	Pass
	1732.5	15	0	6.59	<=13	Pass
	1753.5	15	0	6.70	<=13	Pass

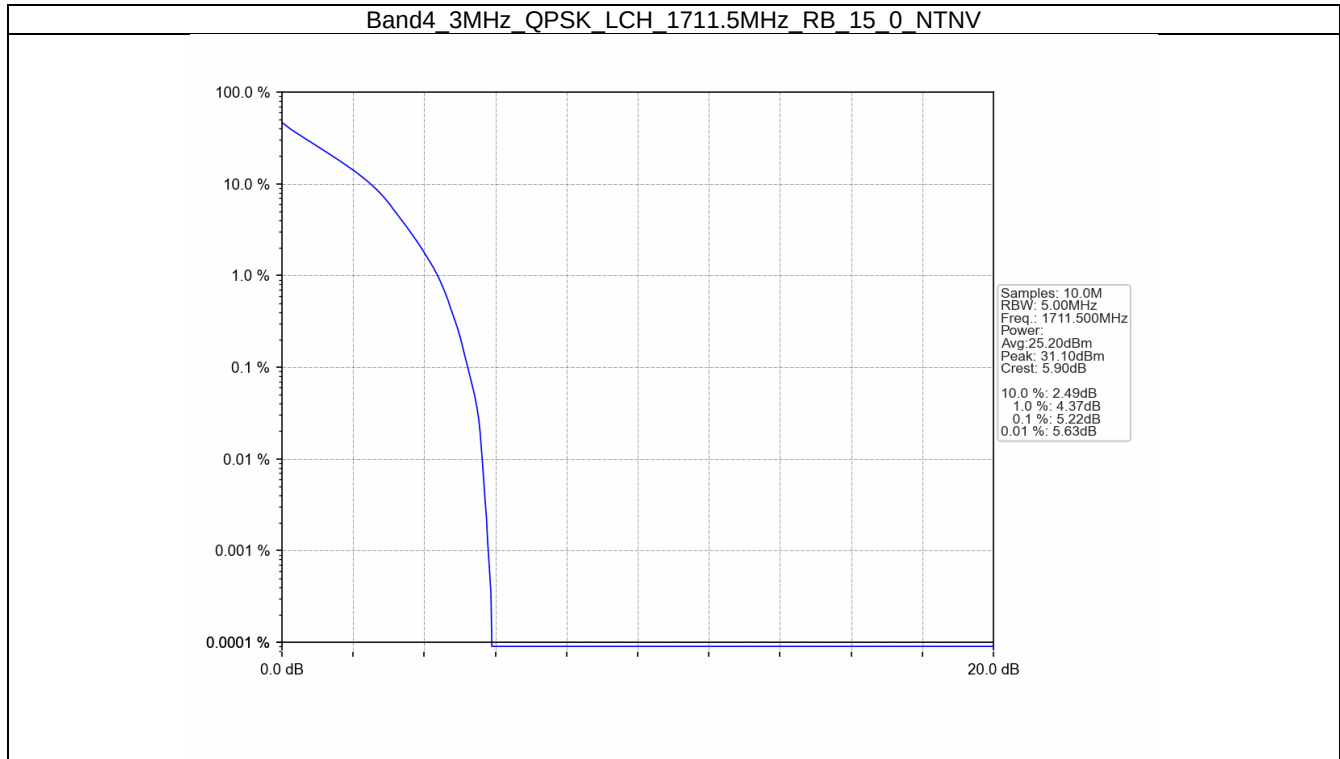


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3.2.2 Test Graph



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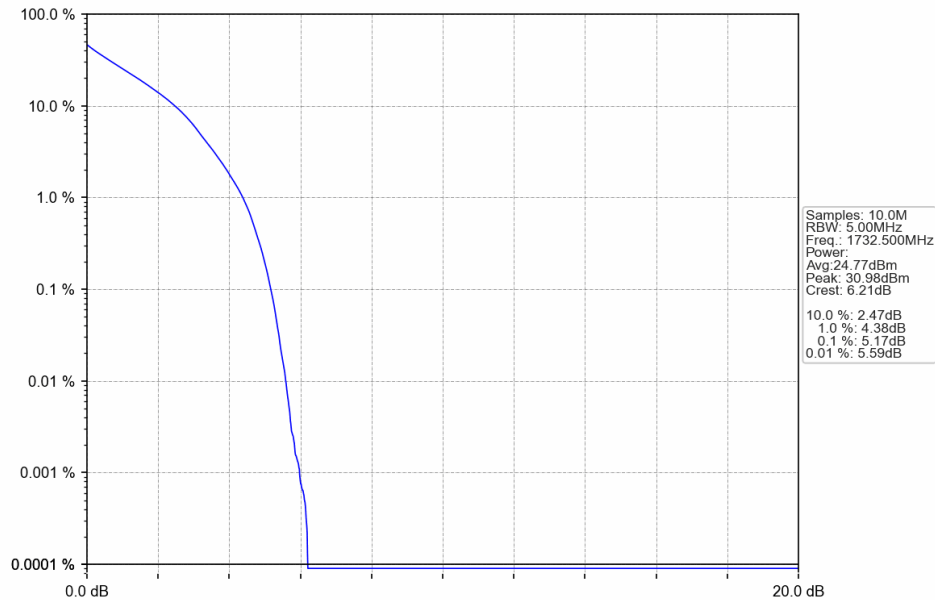
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Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



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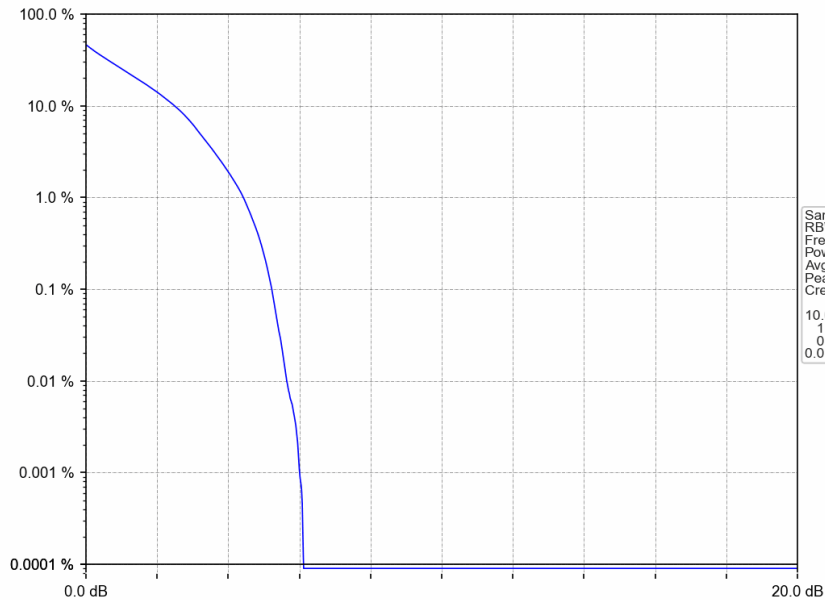
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Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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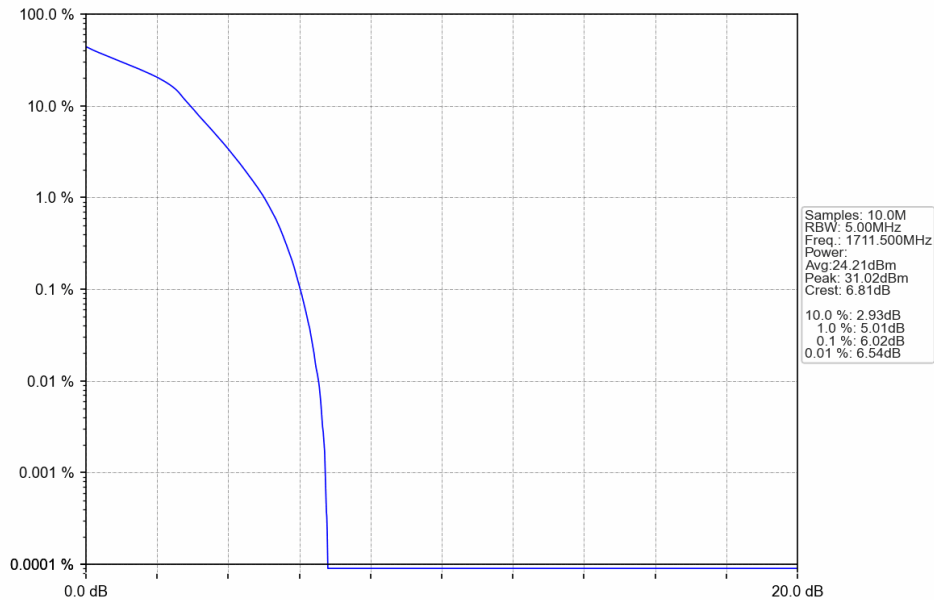
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Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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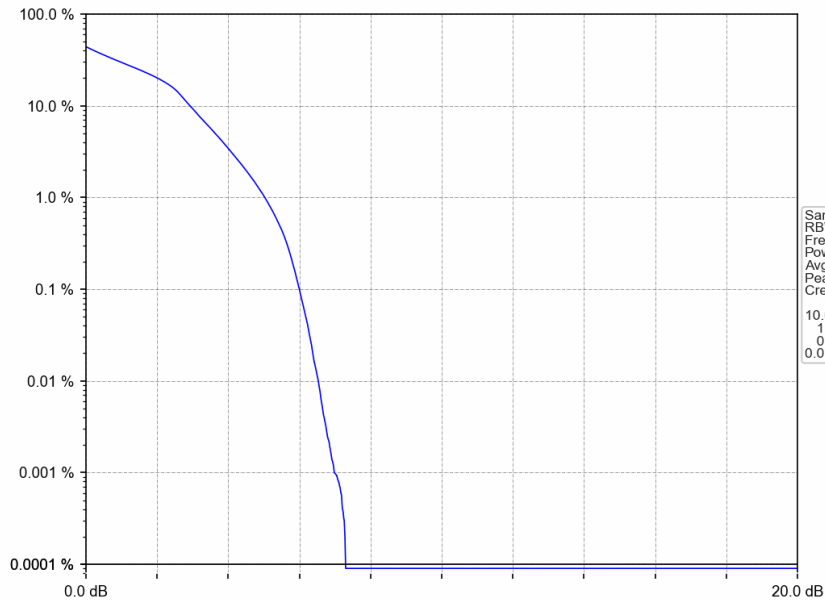
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Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 1732.500MHz
Power:
Avg: 23.81dBm
Peak: 31.12dBm
Crest: 7.31dB
10.0 %: 2.93dB
1.0 %: 5.03dB
0.1 %: 6.00dB
0.01 %: 6.53dB



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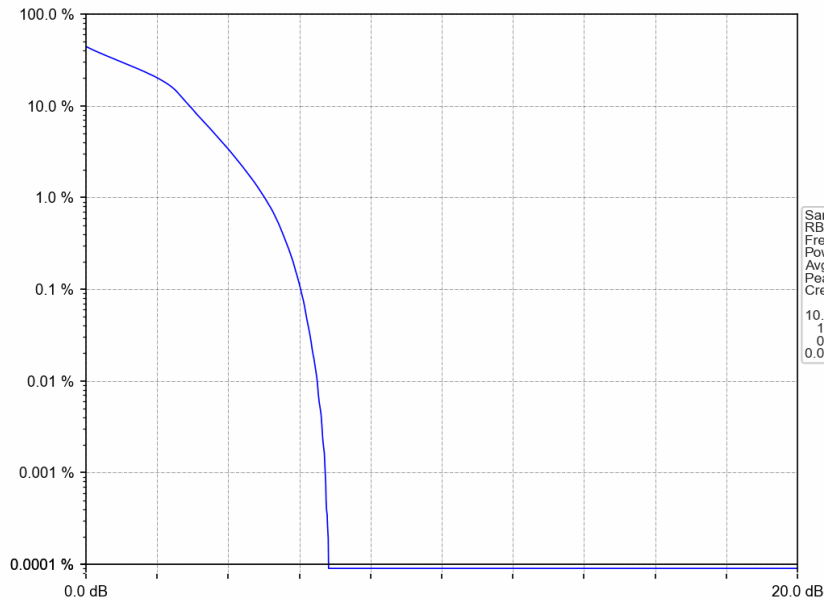
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Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 1753.500MHz
Power:
Avg: 24.27dBm
Peak: 31.10dBm
Crest: 6.83dB
10.0 %: 2.91dB
1.0 %: 5.02dB
0.1 %: 6.03dB
0.01 %: 6.50dB



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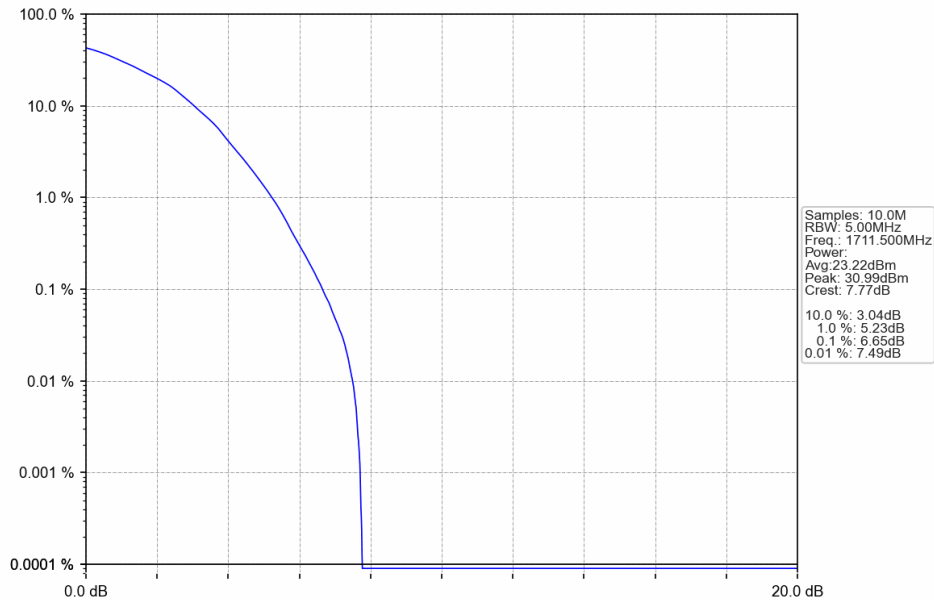
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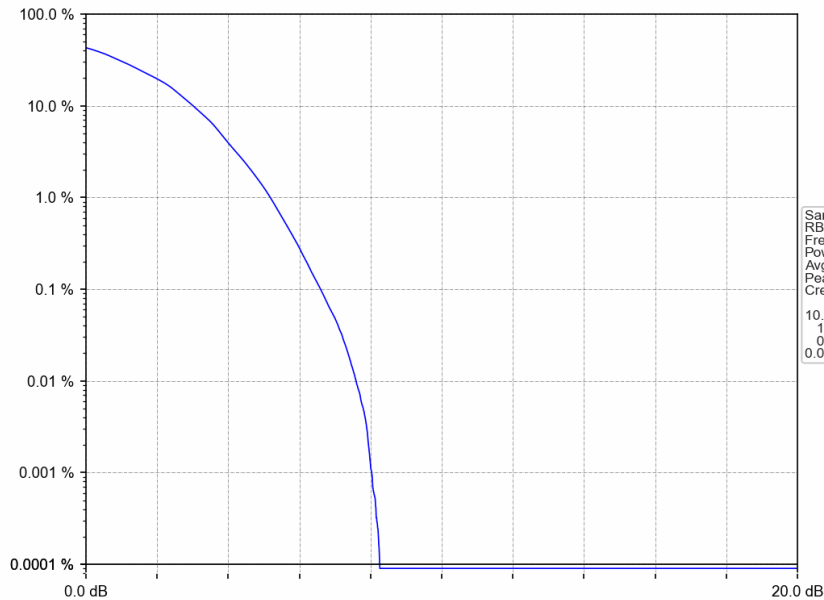
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Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 1732.500MHz
Power:
Avg 22.89dBm
Peak: 31.16dBm
Crest: 8.27dB
10.0 %: 3.01dB
1.0 %: 5.18dB
0.1 %: 6.59dB
0.01 %: 7.59dB



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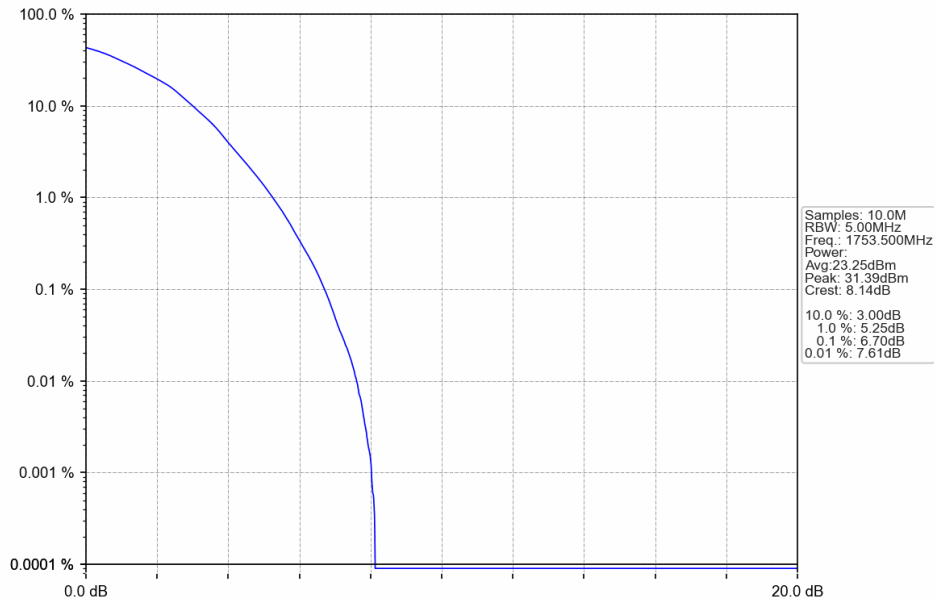
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Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



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3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.28	<=13	Pass
	1732.5	25	0	5.29	<=13	Pass
	1752.5	25	0	5.29	<=13	Pass
16QAM	1712.5	25	0	6.04	<=13	Pass
	1732.5	25	0	6.02	<=13	Pass
	1752.5	25	0	6.00	<=13	Pass
64QAM	1712.5	25	0	6.58	<=13	Pass
	1732.5	25	0	6.55	<=13	Pass
	1752.5	25	0	6.58	<=13	Pass

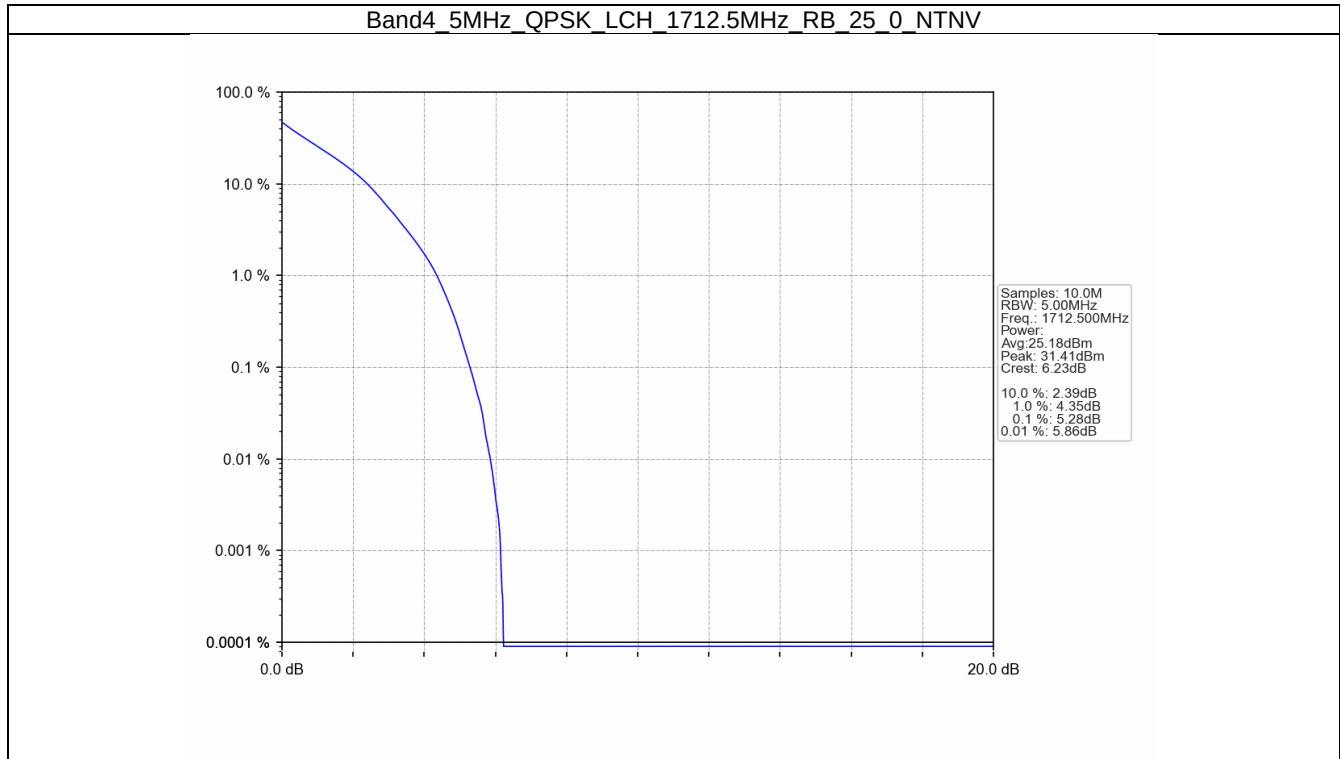


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3.3.2 Test Graph



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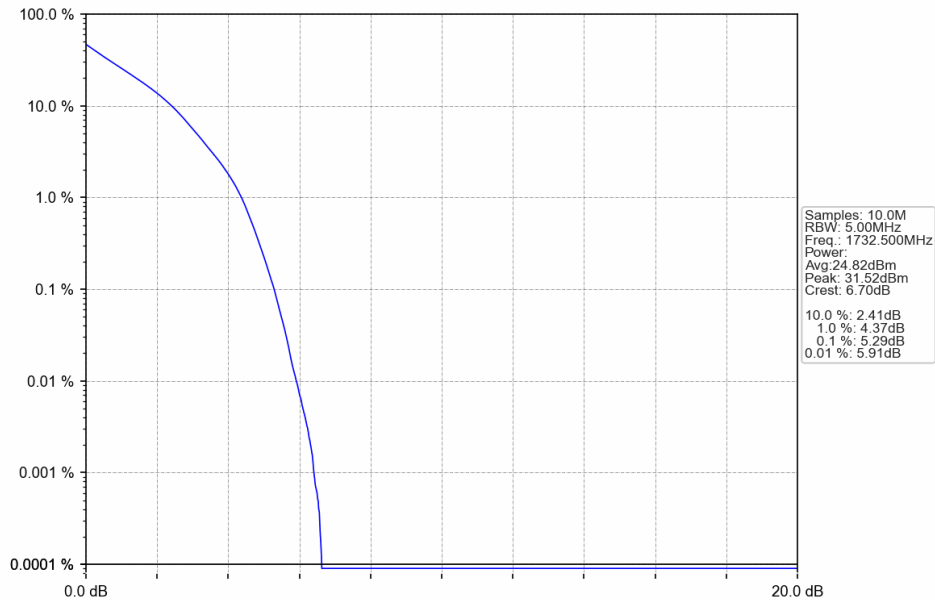
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Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



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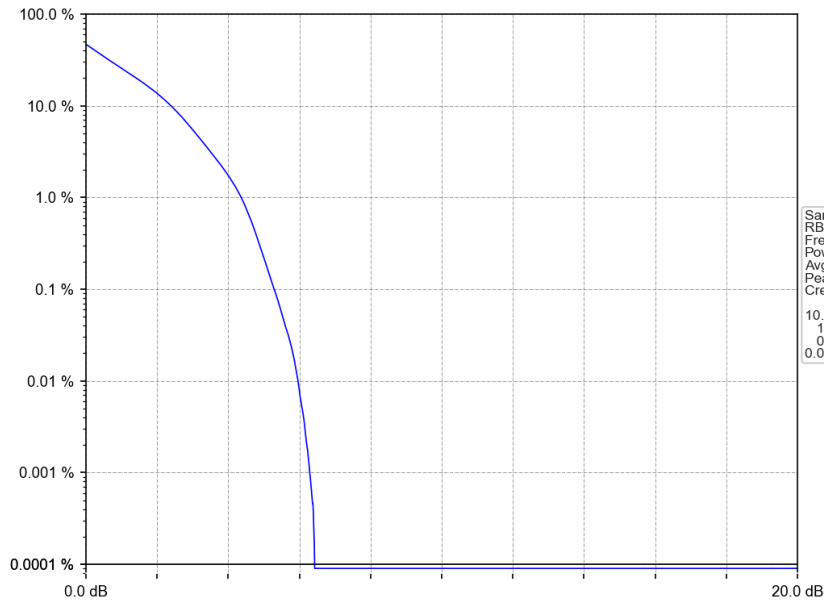
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Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 1752.500MHz
Power:
Avg: 25.17dBm
Peak: 31.69dBm
Crest: 6.52dB
10.0 %: 2.39dB
1.0 %: 4.36dB
0.1 %: 5.29dB
0.01 %: 5.96dB



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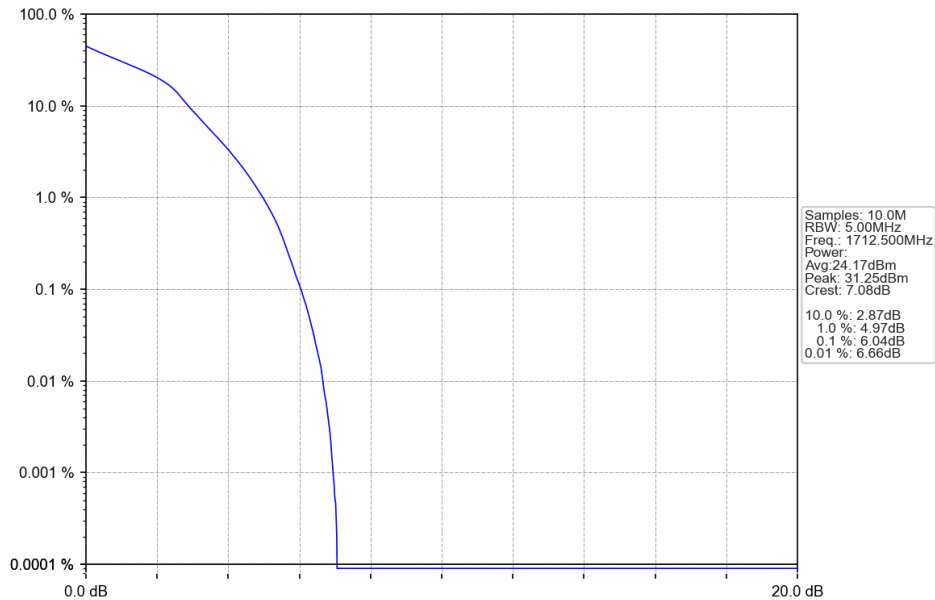
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Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



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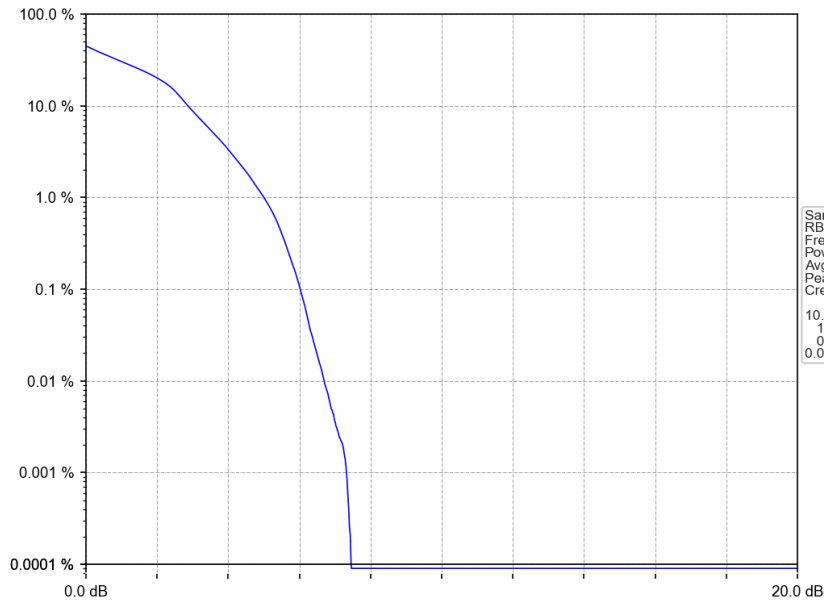
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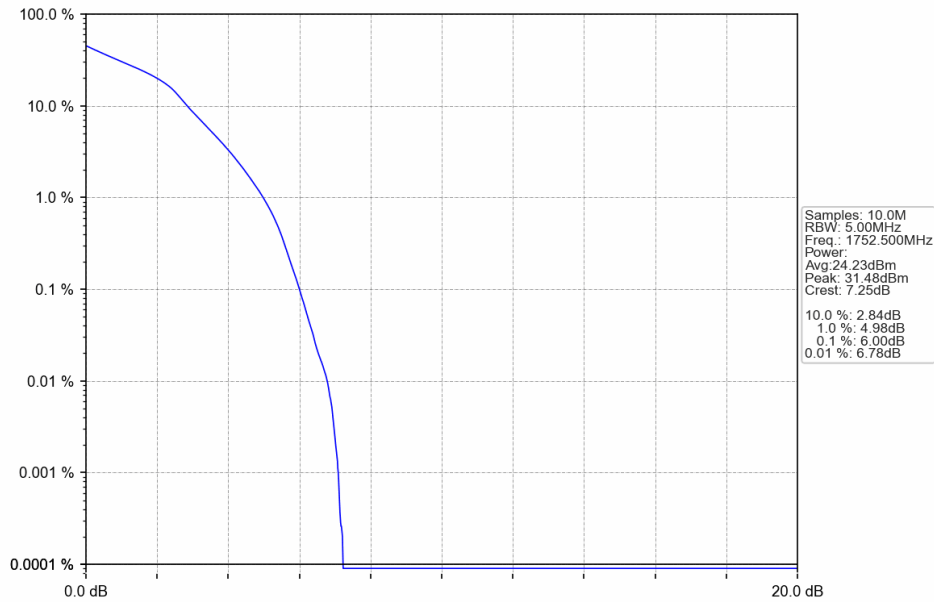
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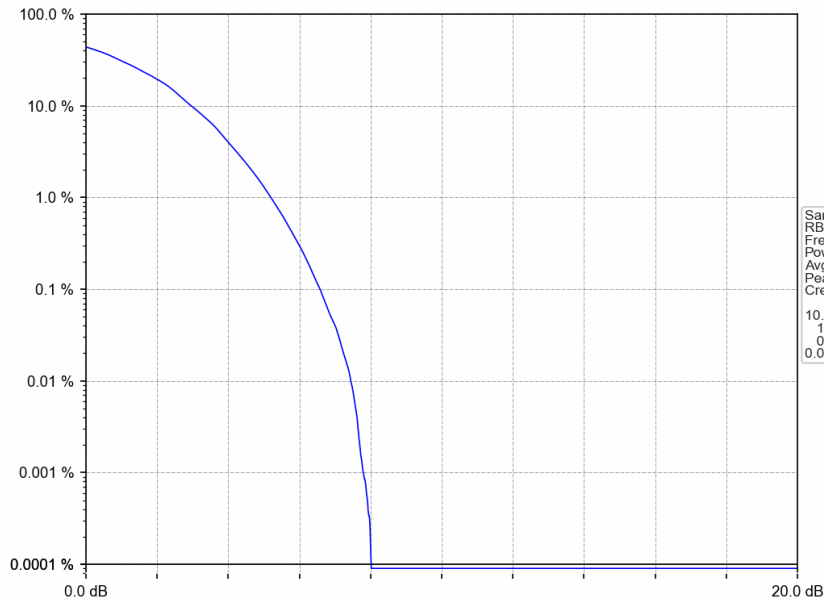
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Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 1712.500MHz
Power:
Avg: 23.22dBm
Peak: 31.28dBm
Crest: 8.06dB
10.0 %: 2.96dB
1.0 %: 5.20dB
0.1 %: 6.58dB
0.01 %: 7.45dB



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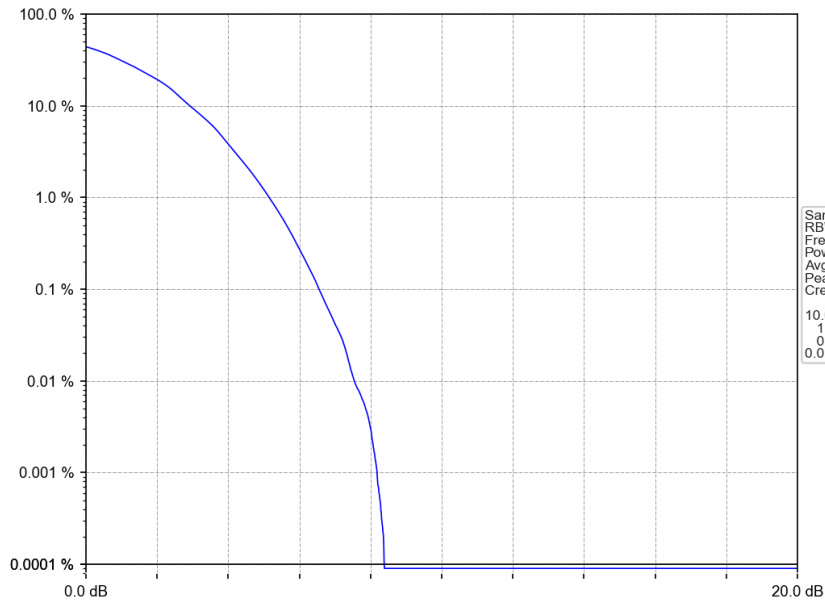
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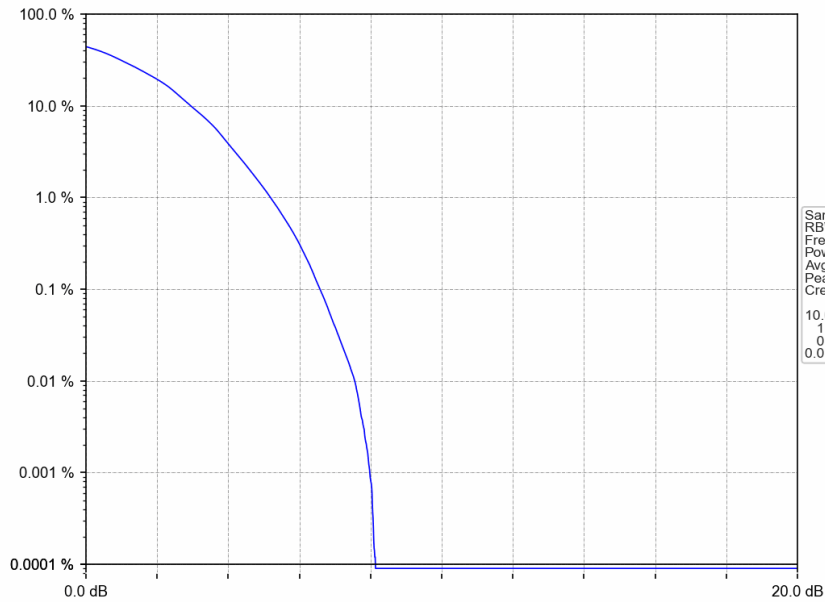
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3.4 B4_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.25	<=13	Pass
	1732.5	50	0	5.22	<=13	Pass
	1750	50	0	5.21	<=13	Pass
16QAM	1715	50	0	6.02	<=13	Pass
	1732.5	50	0	6.01	<=13	Pass
	1750	50	0	5.99	<=13	Pass
64QAM	1715	50	0	6.56	<=13	Pass
	1732.5	50	0	6.59	<=13	Pass
	1750	50	0	6.54	<=13	Pass

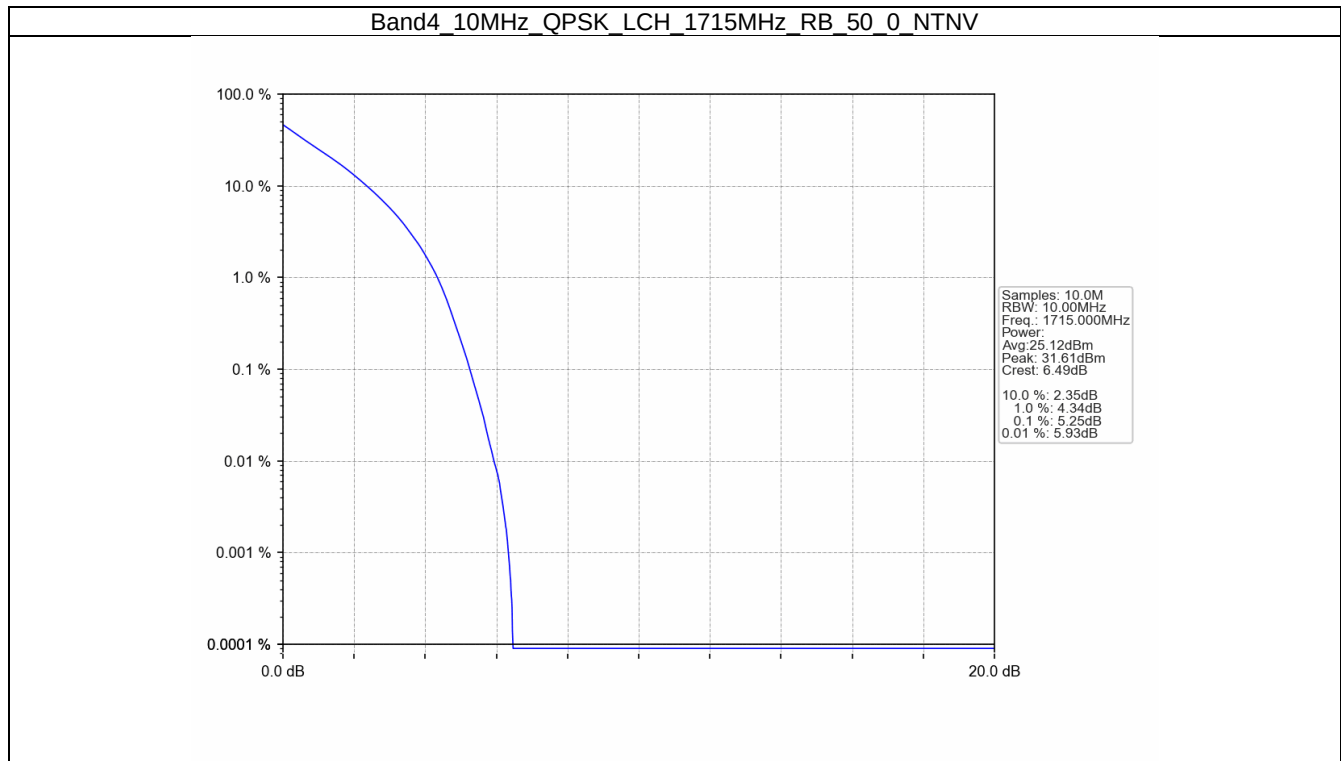


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3.4.2 Test Graph



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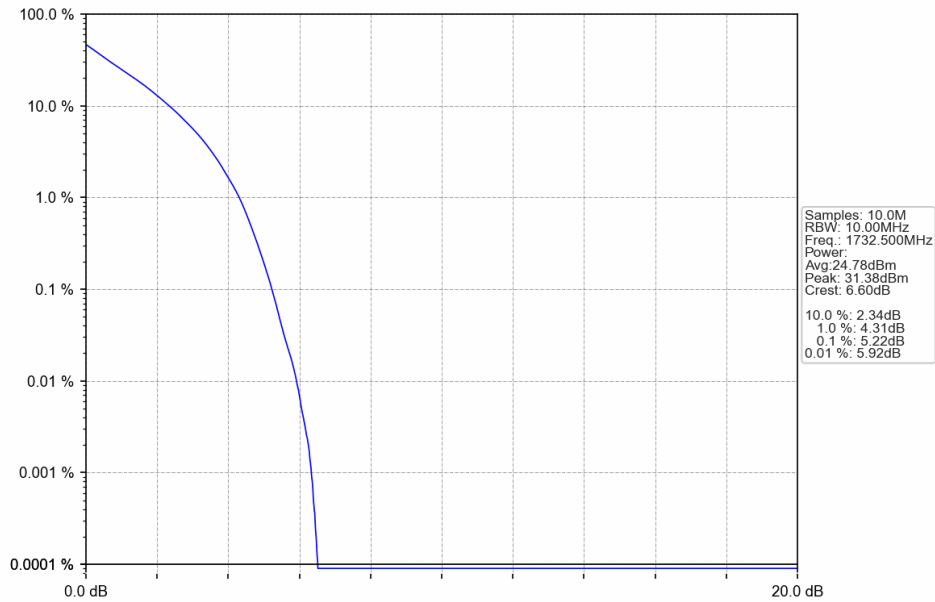
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Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



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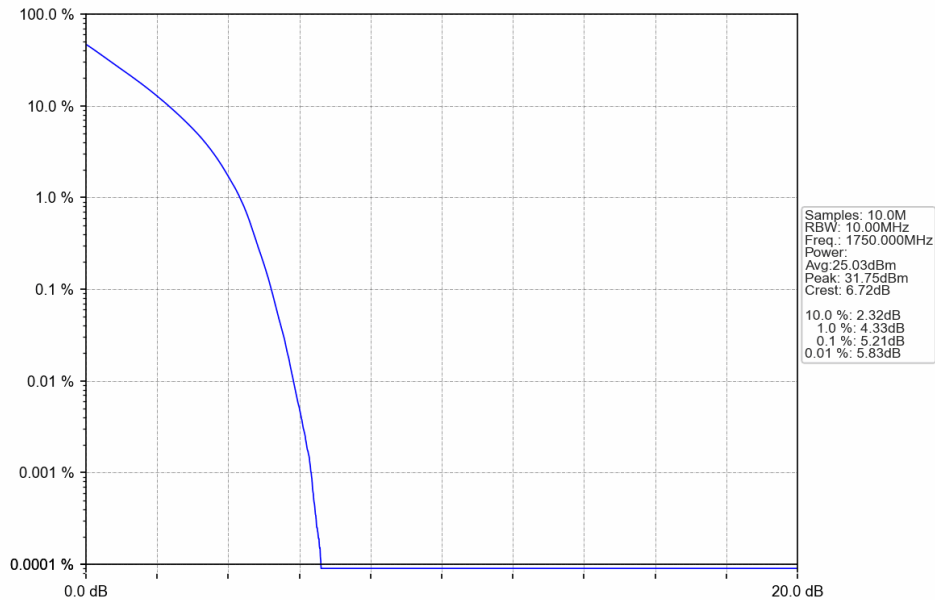
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Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



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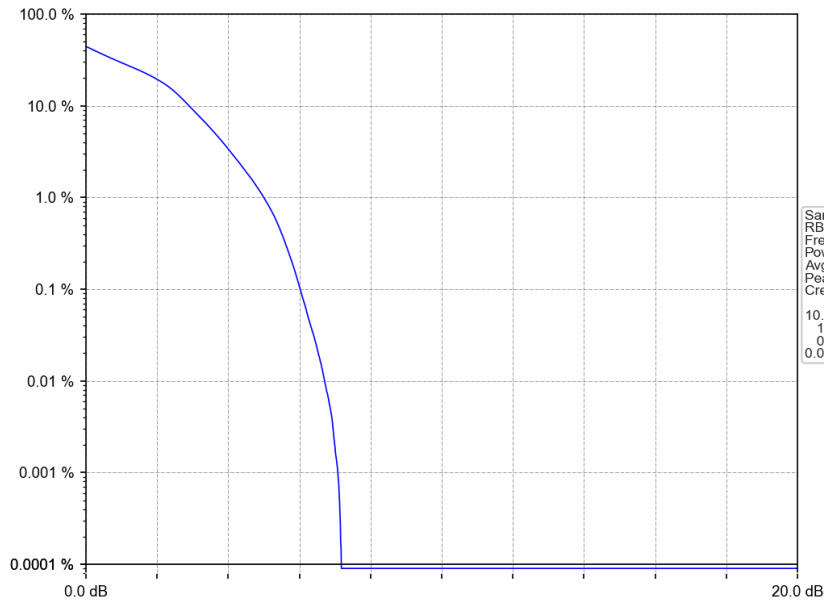
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Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Samples: 10.0M
RBW: 10.00MHz
Freq.: 1715.000MHz
Power:
Avg: 24.13dBm
Peak: 31.36dBm
Crest: 7.23dB
10.0 %: 2.90dB
1.0 %: 5.00dB
0.1 %: 6.02dB
0.01 %: 6.71dB



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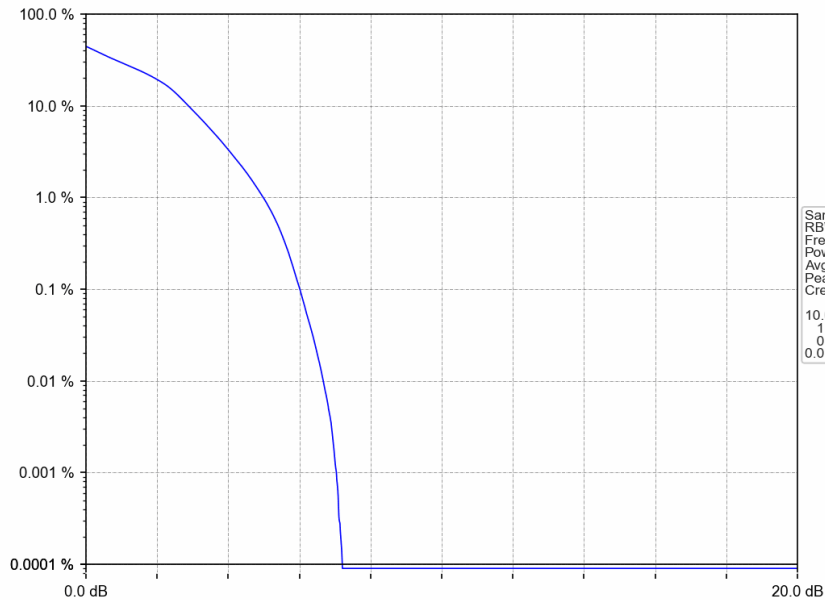
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Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Samples: 10.0M
RBW: 10.00MHz
Freq.: 1732.500MHz
Power:
Avg: 23.77dBm
Peak: 31.01dBm
Crest: 7.24dB
10.0 %: 2.88dB
1.0 %: 4.98dB
0.1 %: 6.01dB
0.01 %: 6.67dB



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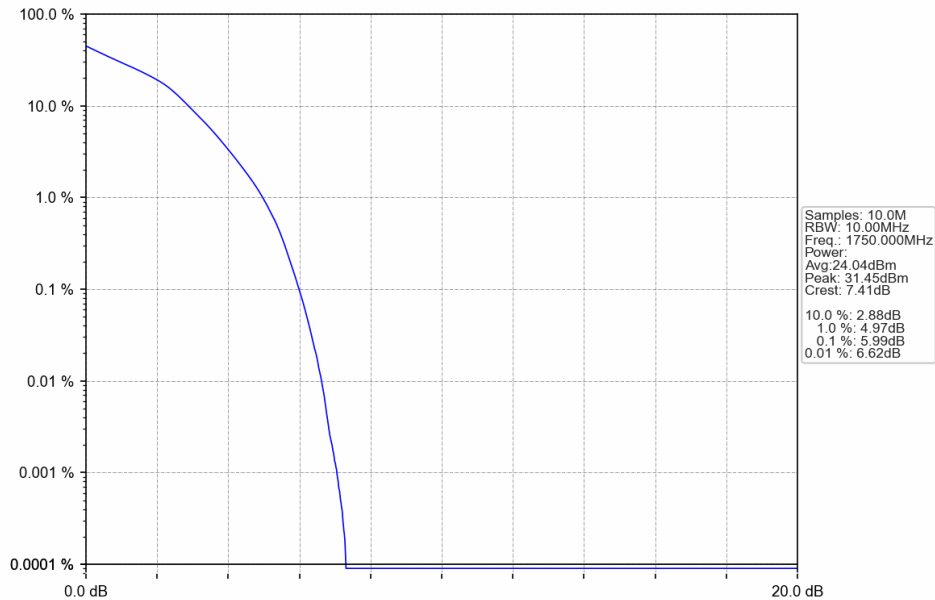
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Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



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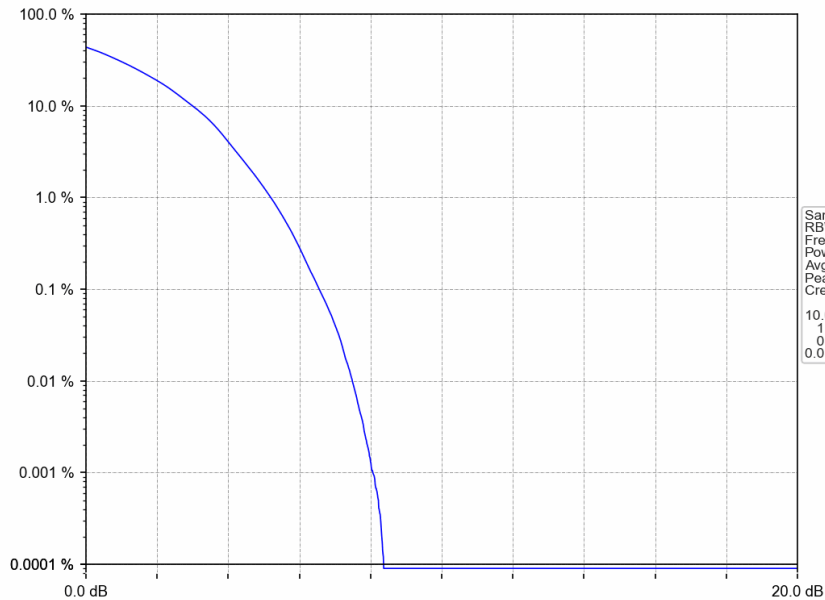
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Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



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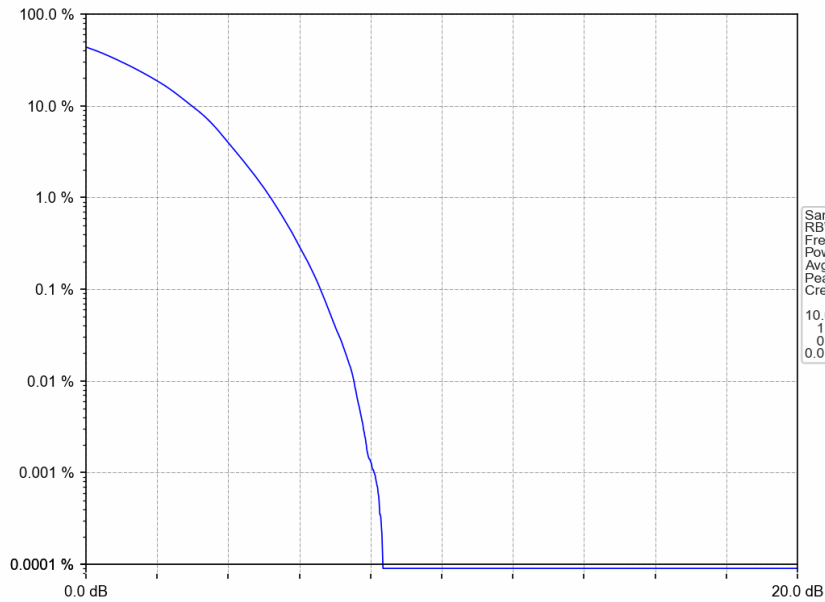
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Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



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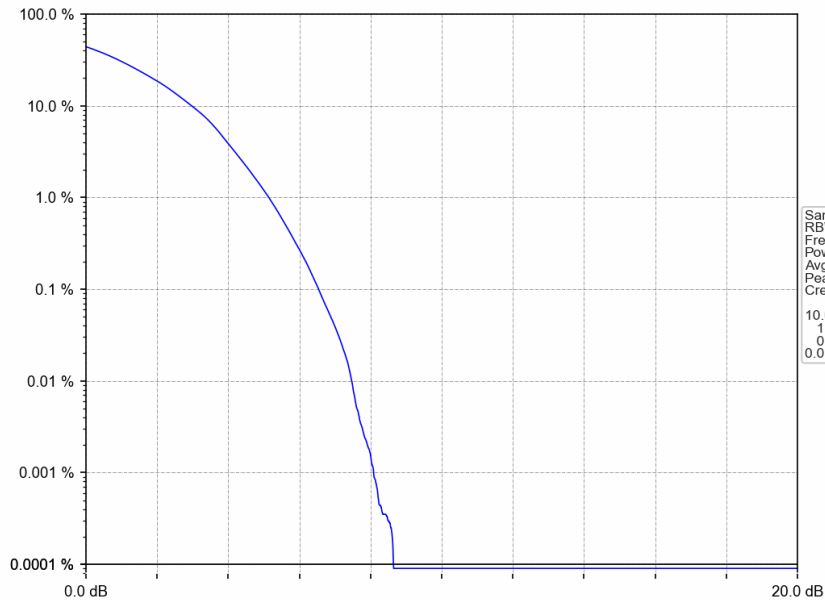
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3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.49	<=13	Pass
	1732.5	75	0	5.50	<=13	Pass
	1747.5	75	0	5.52	<=13	Pass
16QAM	1717.5	75	0	6.10	<=13	Pass
	1732.5	75	0	6.12	<=13	Pass
	1747.5	75	0	6.12	<=13	Pass
64QAM	1717.5	75	0	6.54	<=13	Pass
	1732.5	75	0	6.57	<=13	Pass
	1747.5	75	0	6.64	<=13	Pass

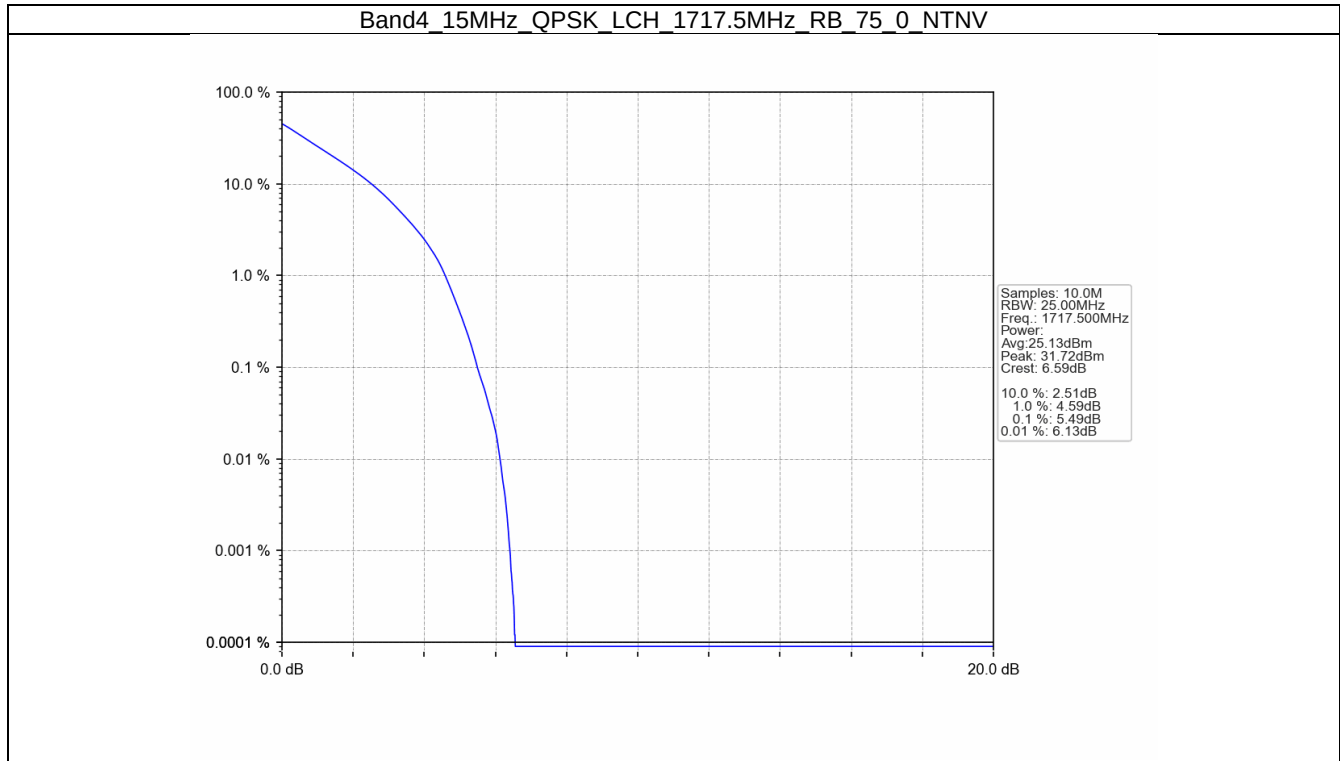


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3.5.2 Test Graph



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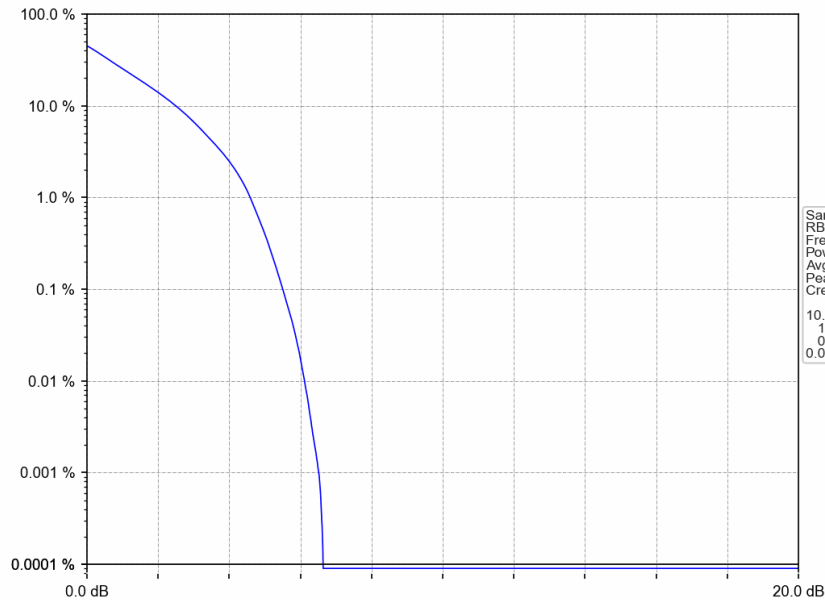
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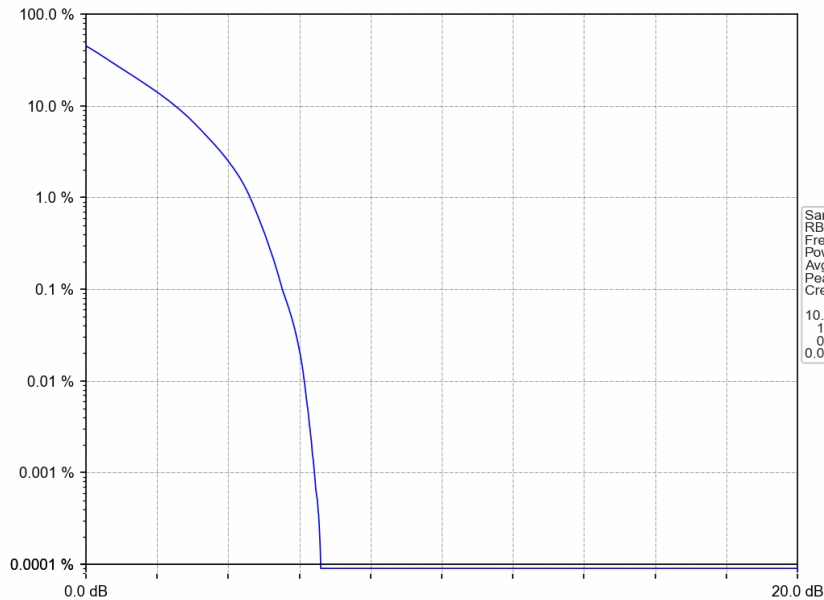
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Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



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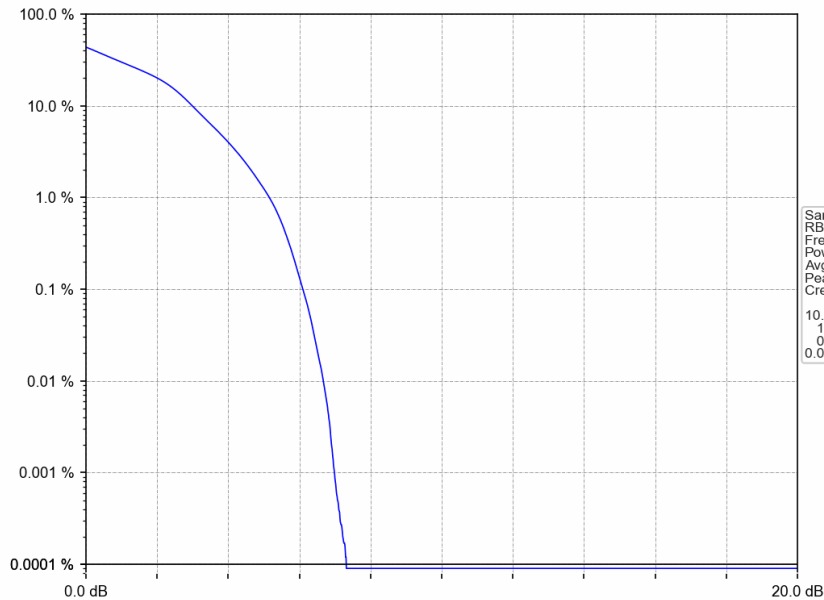
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Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1717.500MHz
Power:
Avg: 24.13dBm
Peak: 31.68dBm
Crest: 7.55dB
10.0 %: 2.99dB
1.0 %: 5.15dB
0.1 %: 6.10dB
0.01 %: 6.67dB



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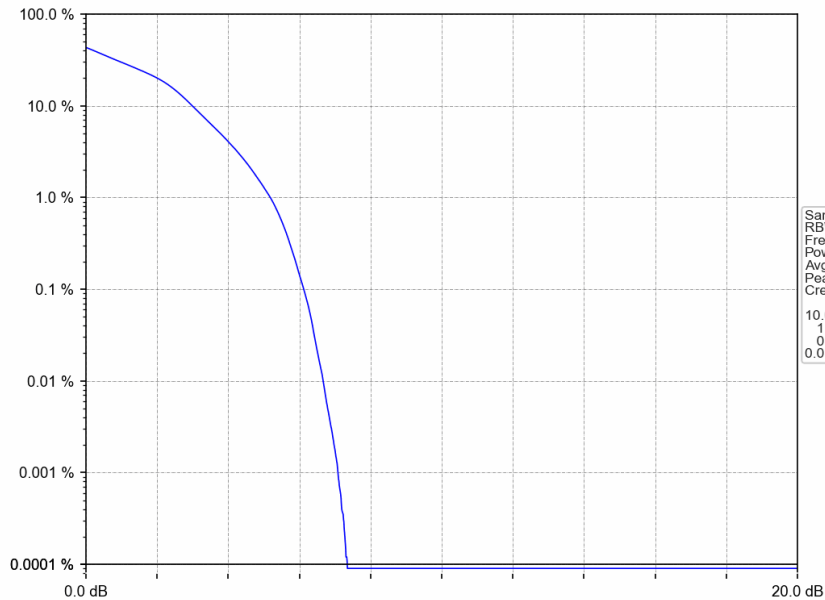
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Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1732.500MHz
Power:
Avg: 23.90dBm
Peak: 31.44dBm
Crest: 7.54dB

10.0 %: 2.99dB
1.0 %: 5.18dB
0.1 %: 6.12dB
0.01 %: 6.67dB



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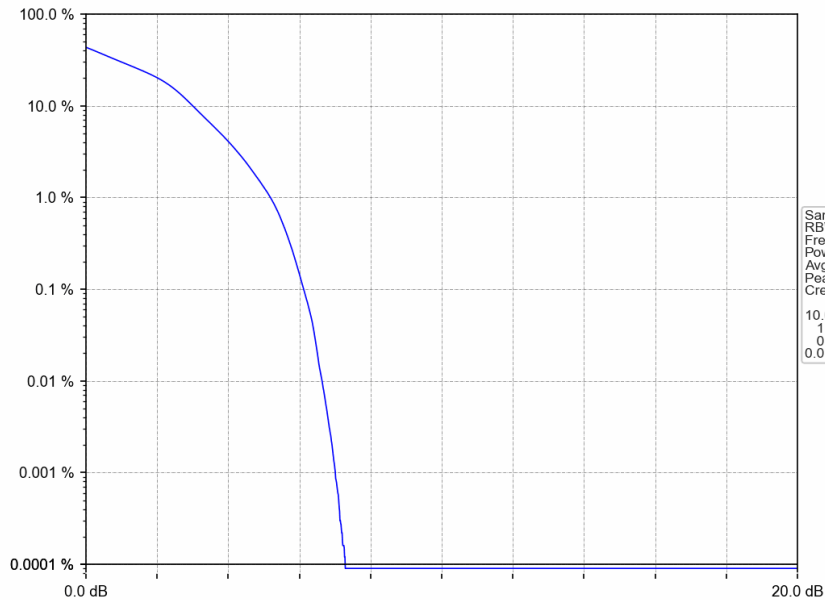
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Band4 15MHz 16QAM HCH 1747.5MHz RB 75_0 NTN



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1747.500MHz
Power:
Avg 24.01dBm
Peak: 31.47dBm
Crest: 7.46dB
10.0 %: 3.00dB
1.0 %: 5.19dB
0.1 %: 6.12dB
0.01 %: 6.64dB



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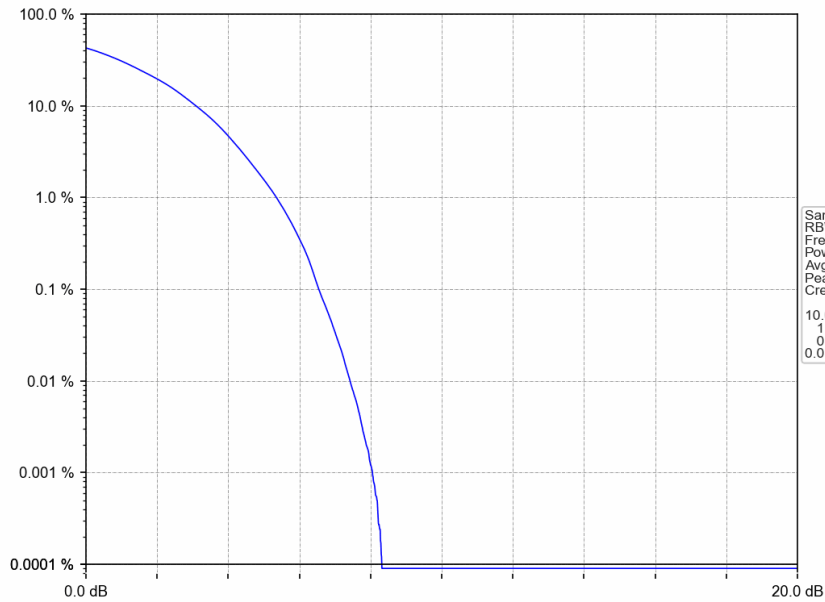
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Band4 15MHz 64QAM LCH 1717.5MHz RB 75_0 NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1717.500MHz
Power:
Avg 23.18dBm
Peak: 31.64dBm
Crest: 8.46dB
10.0 %: 3.09dB
1.0 %: 5.35dB
0.1 %: 6.54dB
0.01 %: 7.42dB



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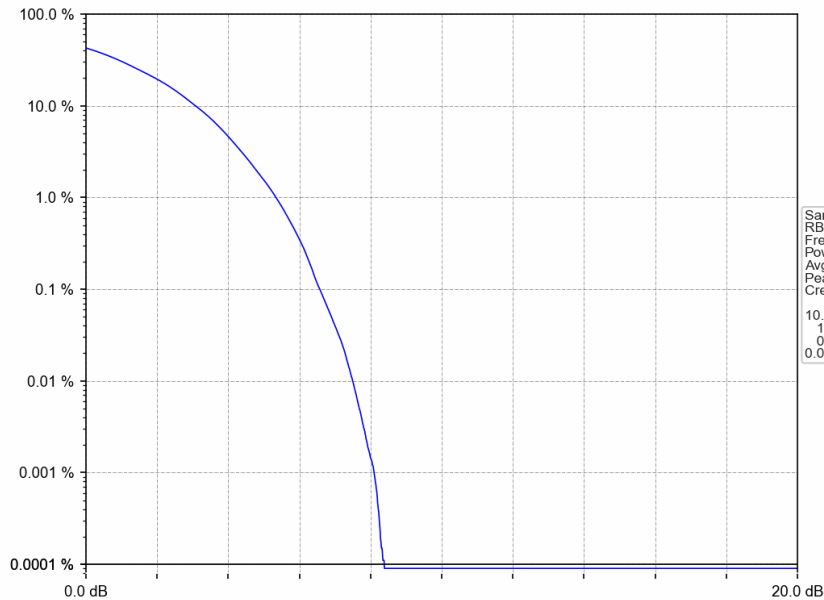
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Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1732.500MHz
Power:
Avg: 22.94dBm
Peak: 31.40dBm
Crest: 8.46dB
10.0 %: 3.08dB
1.0 %: 5.34dB
0.1 %: 6.57dB
0.01 %: 7.50dB



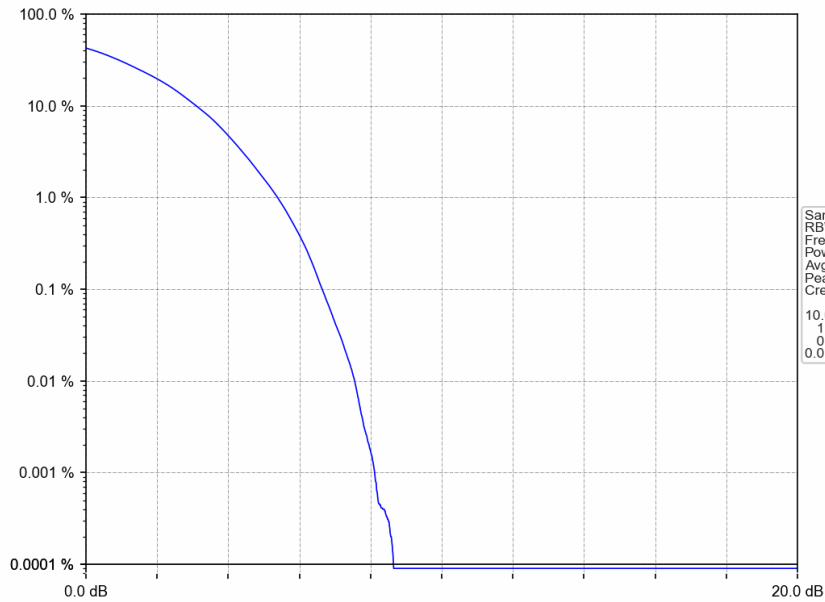
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Band4 15MHz 64QAM HCH 1747.5MHz RB 75_0 NTN



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1747.500MHz
Power:
Avg: 23.02dBm
Peak: 31.77dBm
Crest: 8.75dB
10.0 %: 3.10dB
1.0 %: 5.39dB
0.1 %: 6.64dB
0.01 %: 7.55dB



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3.6 B4_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.04	<=13	Pass
	1732.5	100	0	5.23	<=13	Pass
	1745	100	0	5.35	<=13	Pass
16QAM	1720	100	0	5.93	<=13	Pass
	1732.5	100	0	6.03	<=13	Pass
	1745	100	0	6.11	<=13	Pass
64QAM	1720	100	0	6.55	<=13	Pass
	1732.5	100	0	6.59	<=13	Pass
	1745	100	0	6.66	<=13	Pass

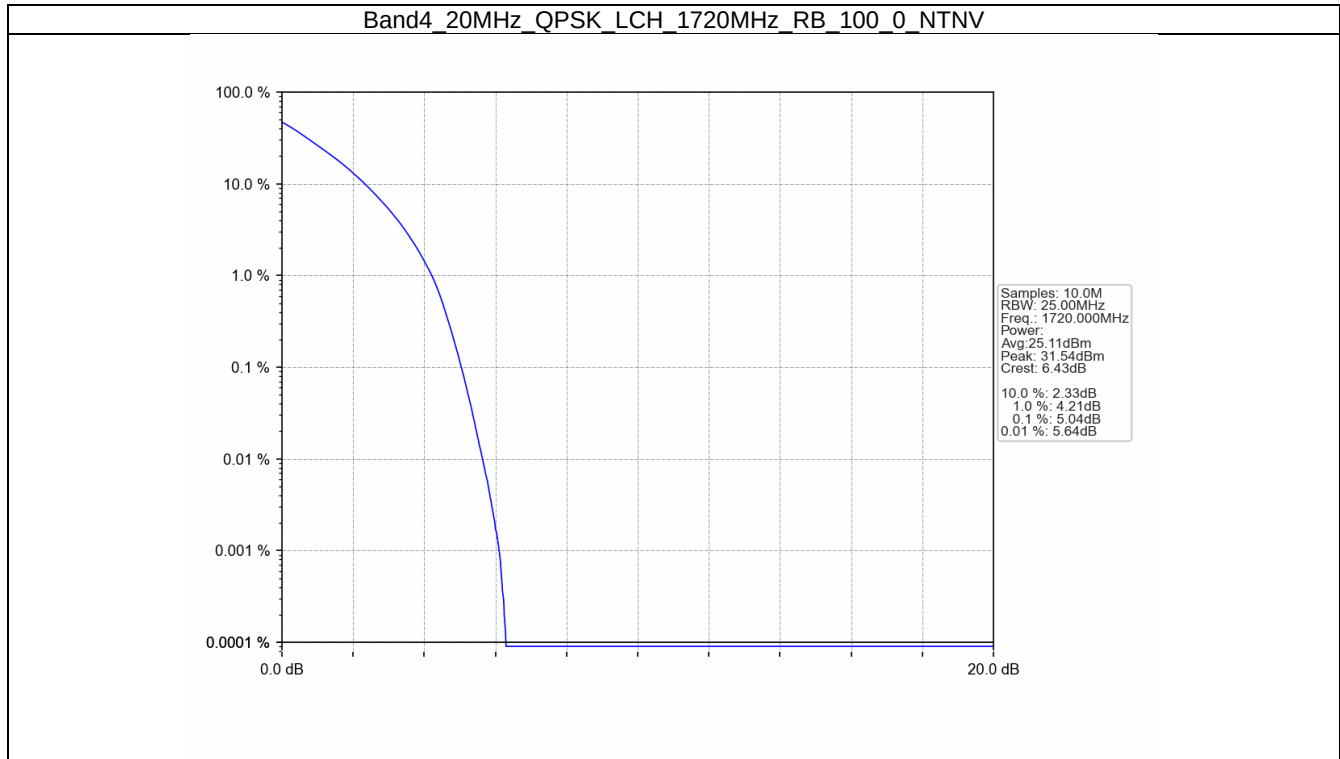


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3.6.2 Test Graph



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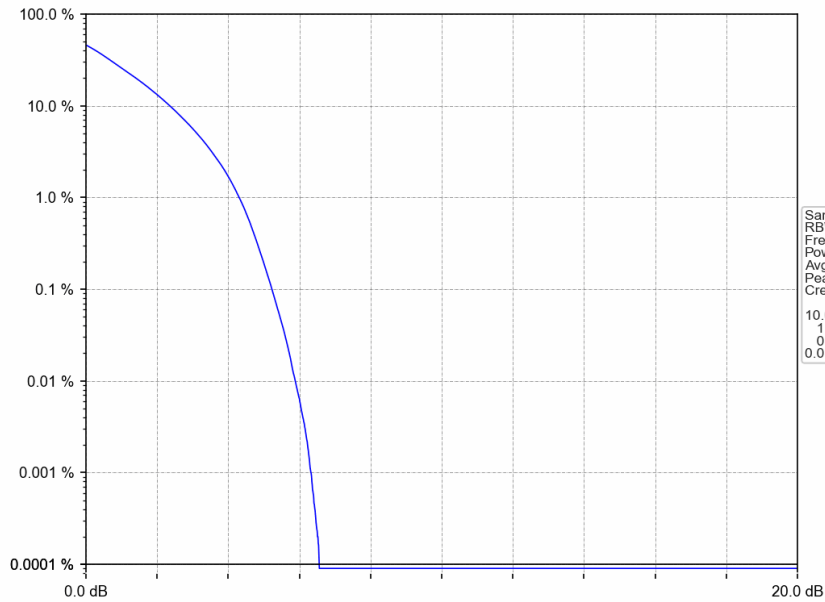
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Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1732.500MHz
Power:
Avg: 24.91dBm
Peak: 31.57dBm
Crest: 6.66dB
10.0 %: 2.36dB
1.0 %: 4.31dB
0.1 %: 5.23dB
0.01 %: 5.88dB



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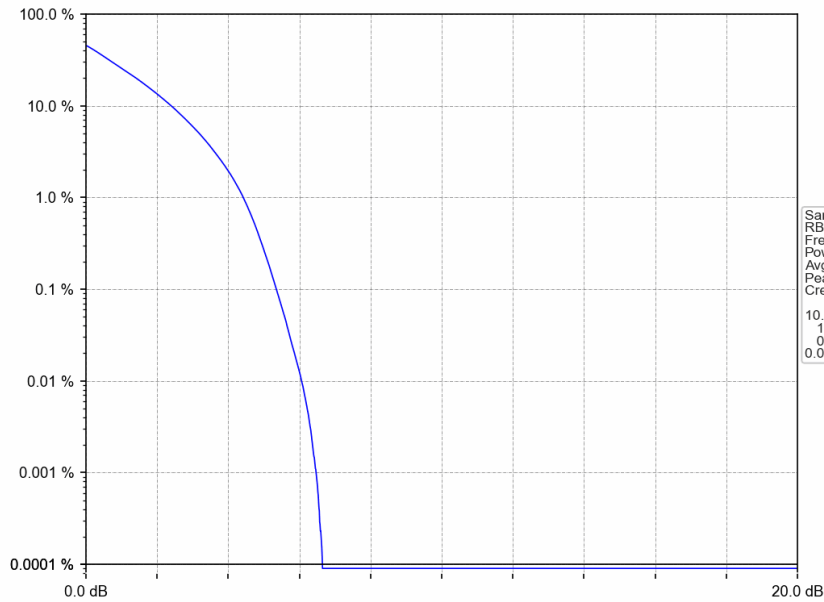
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Samples: 10.0M
RBW: 25.00MHz
Freq.: 1745.000MHz
Power:
Avg: 25.00dBm
Peak: 31.82dBm
Crest: 6.82dB
10.0 %: 2.40dB
1.0 %: 4.42dB
0.1 %: 5.35dB
0.01 %: 6.06dB



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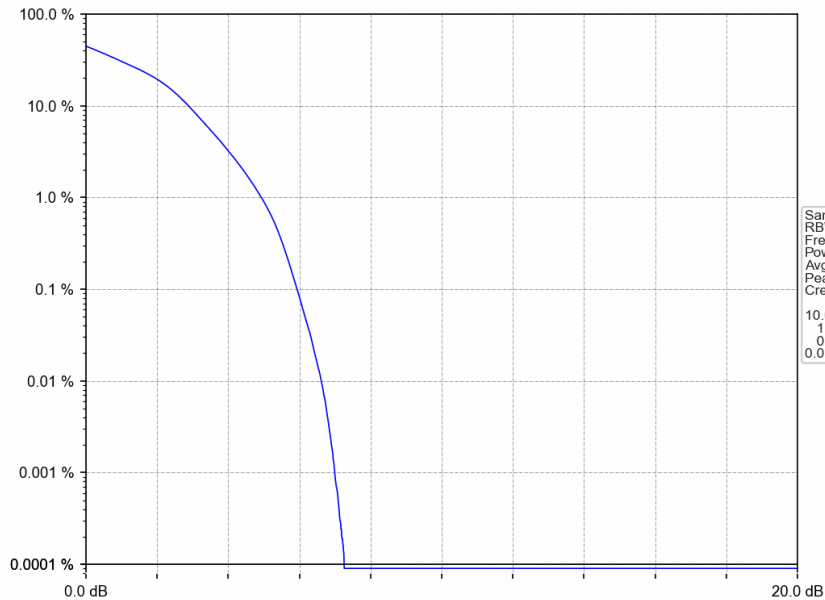
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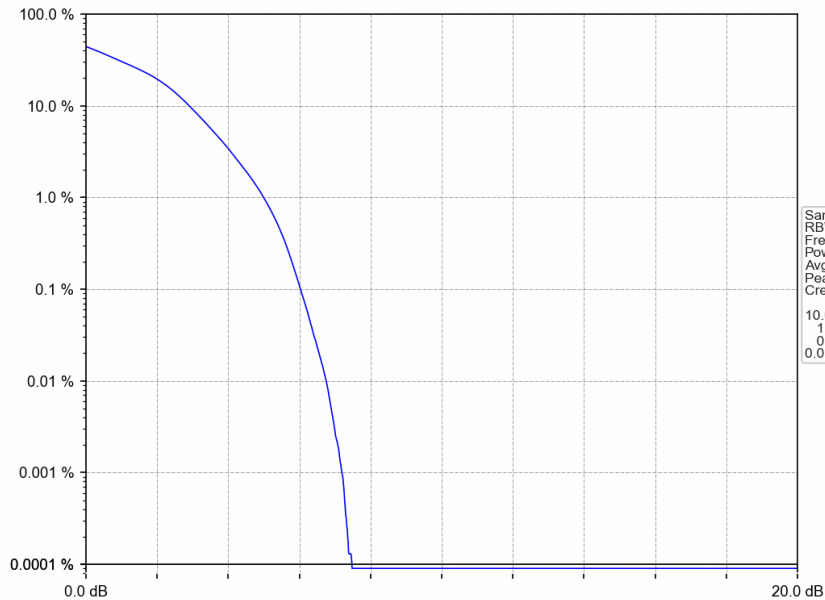
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Report No.: SEWA2310000127RG01

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Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1732.500MHz
Power:
Avg: 23.92dBm
Peak: 31.52dBm
Crest: 7.60dB
10.0 %: 2.90dB
1.0 %: 5.00dB
0.1 %: 6.03dB
0.01 %: 6.75dB



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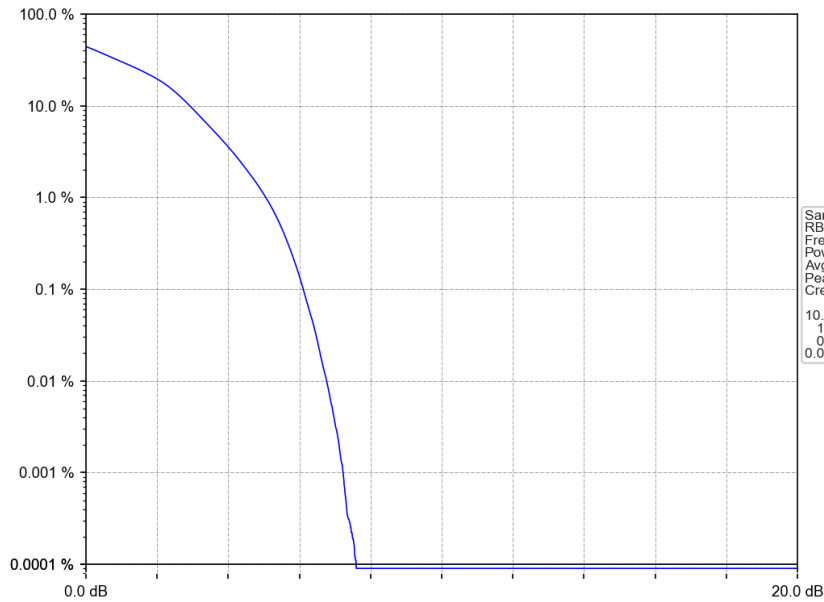
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Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1745.000MHz
Power:
Avg: 23.99dBm
Peak: 31.78dBm
Crest: 7.79dB
10.0 %: 2.92dB
1.0 %: 5.06dB
0.1 %: 6.11dB
0.01 %: 6.76dB



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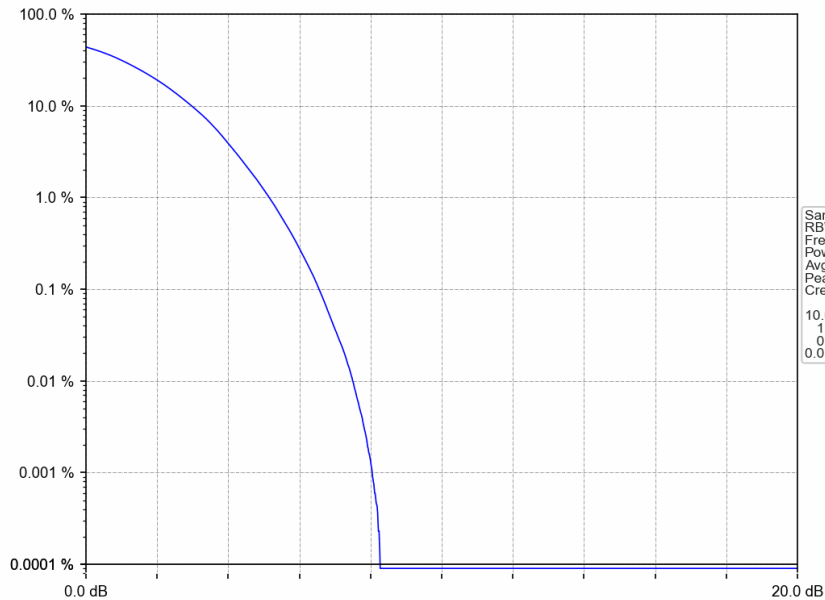
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Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1720.000MHz
Power:
Avg: 23.09dBm
Peak: 31.45dBm
Crest: 8.36dB
10.0 %: 2.97dB
1.0 %: 5.15dB
0.1 %: 6.55dB
0.01 %: 7.50dB



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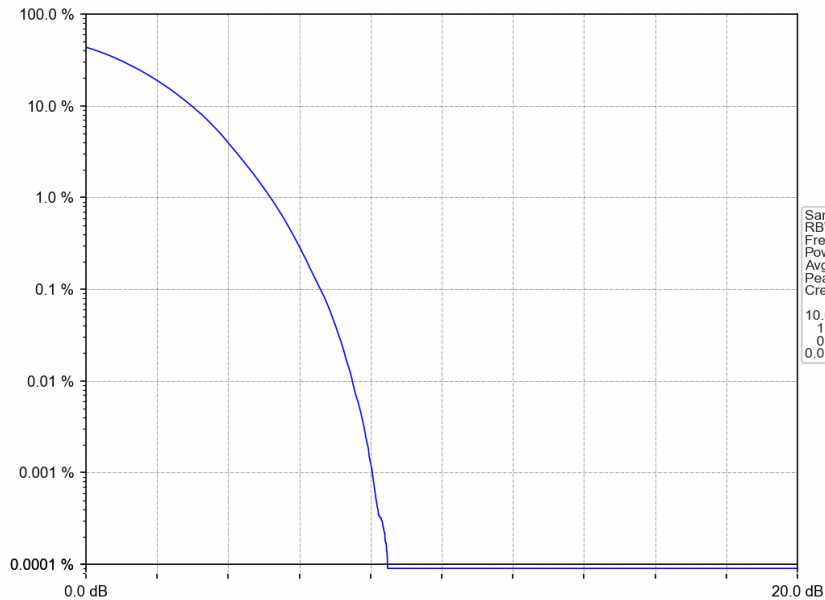
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Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



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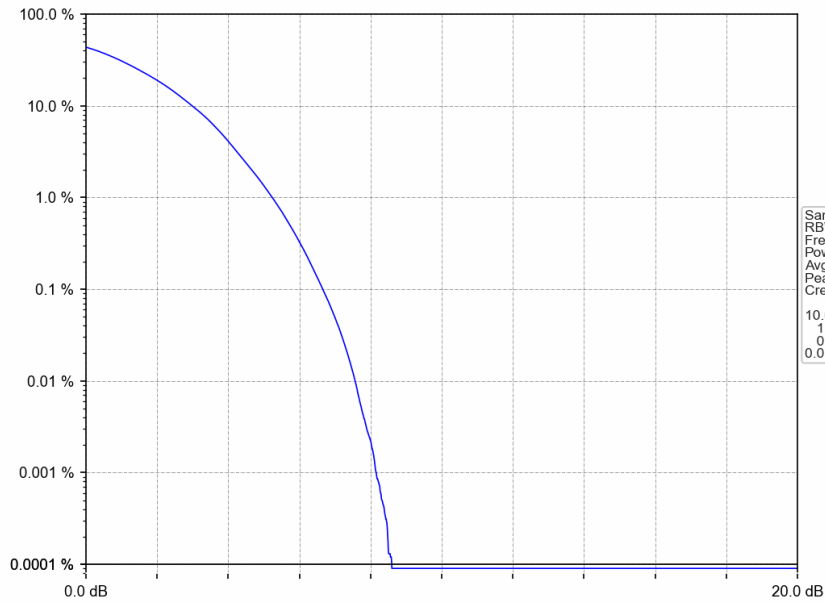
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Band4 20MHz 64QAM HCH 1745MHz RB 100 0 NTN



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4. Spurious Emission & Band Edges

4.1 B4_1.4MHz

4.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
64QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

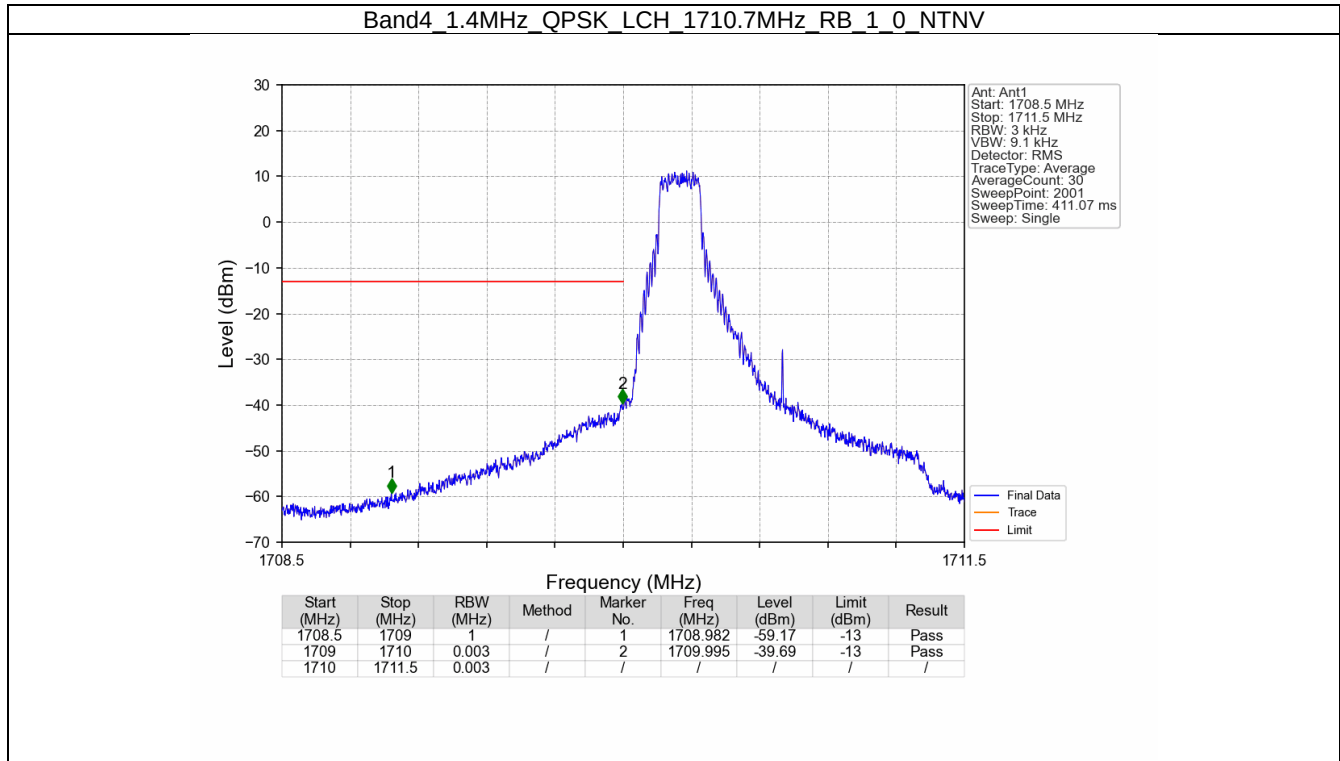


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4.1.2 Test Graph



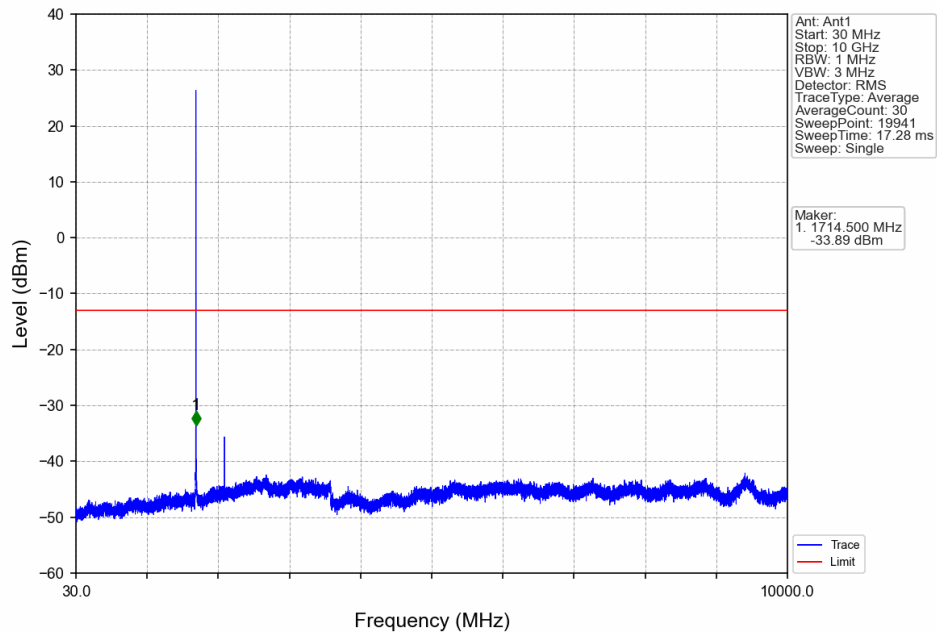
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Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



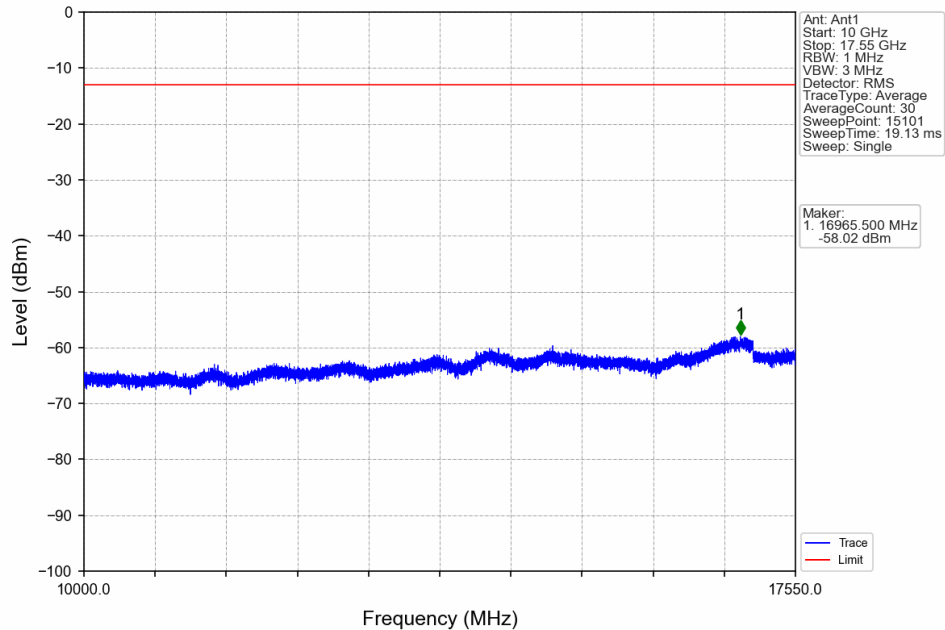
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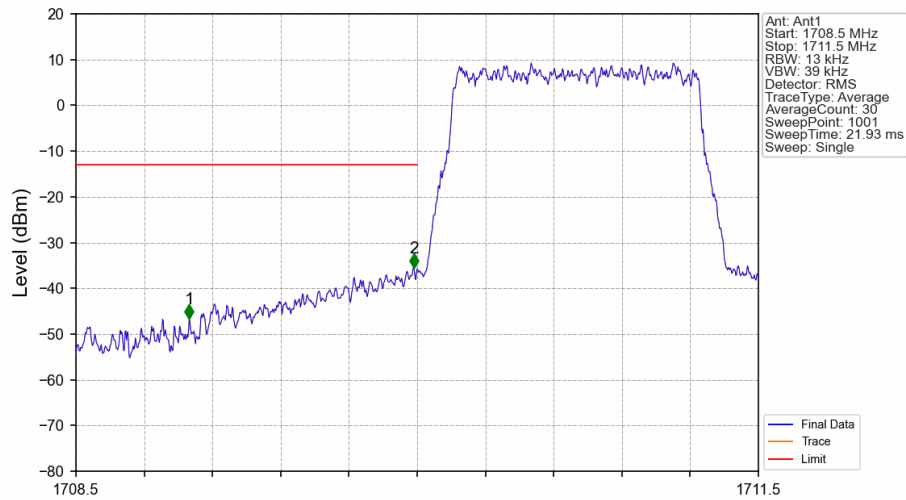
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Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.998	-46.69	-13	Pass
1709	1710	0.013	/	2	1709.985	-35.53	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/



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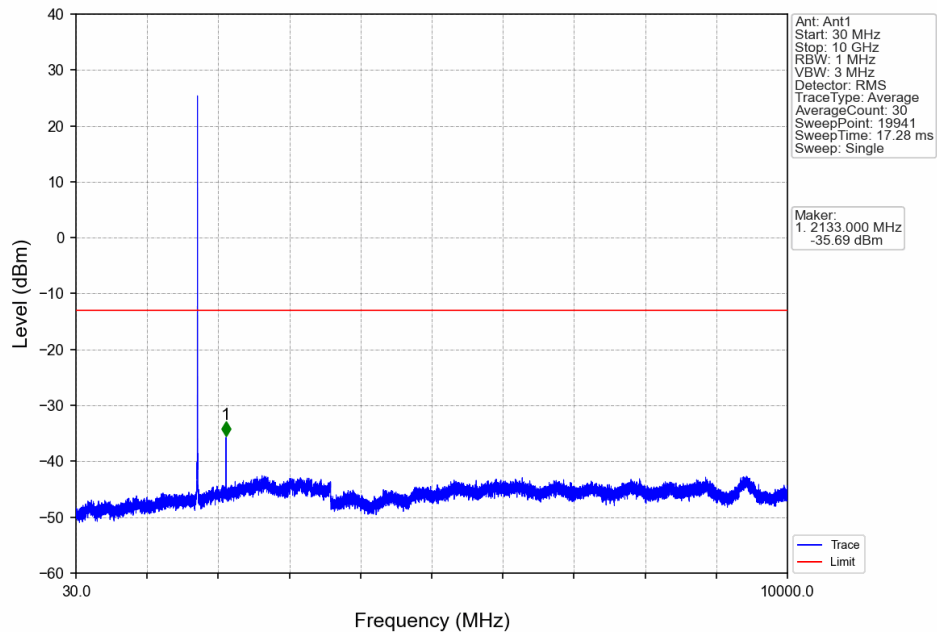
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Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



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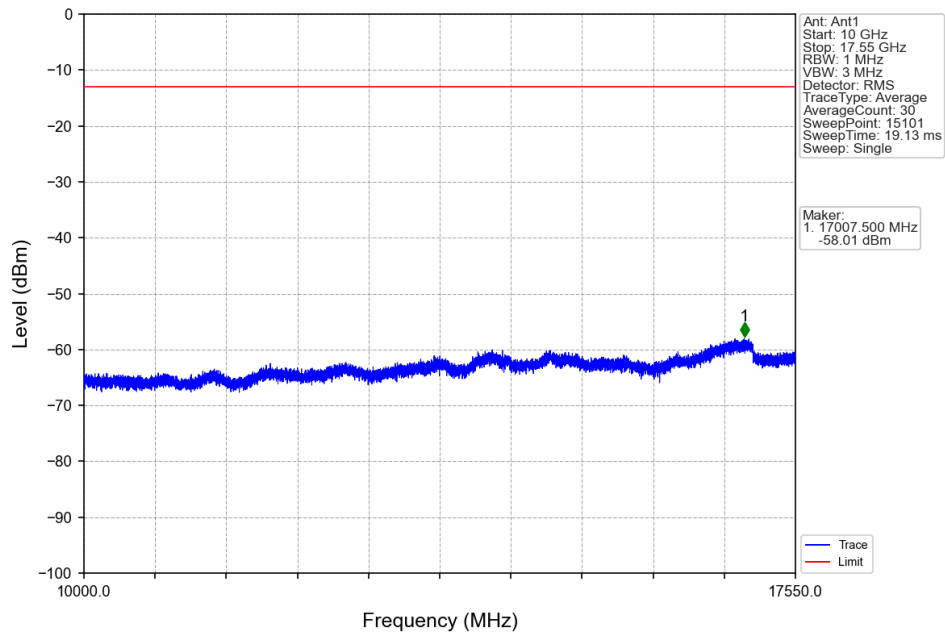
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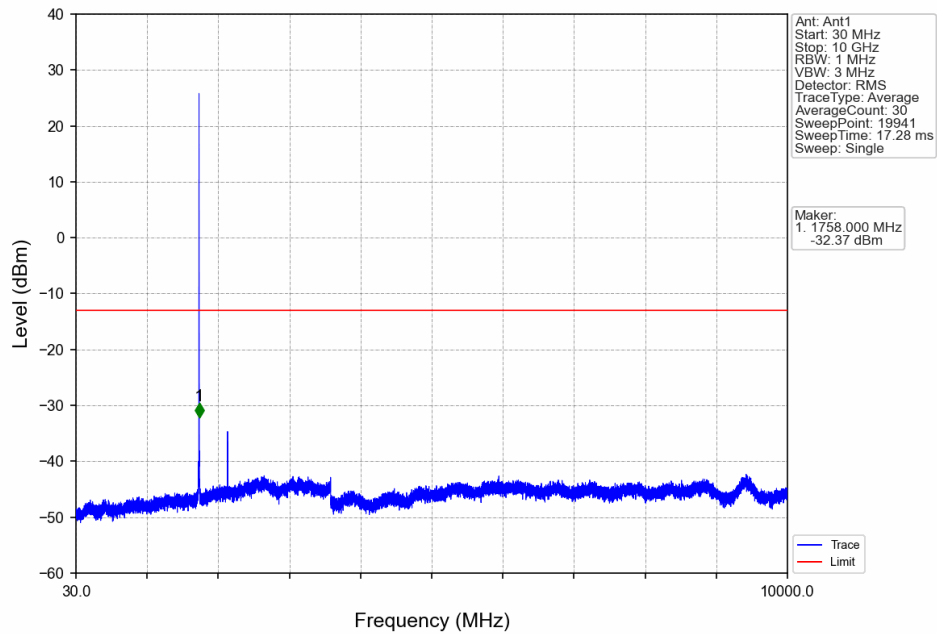


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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



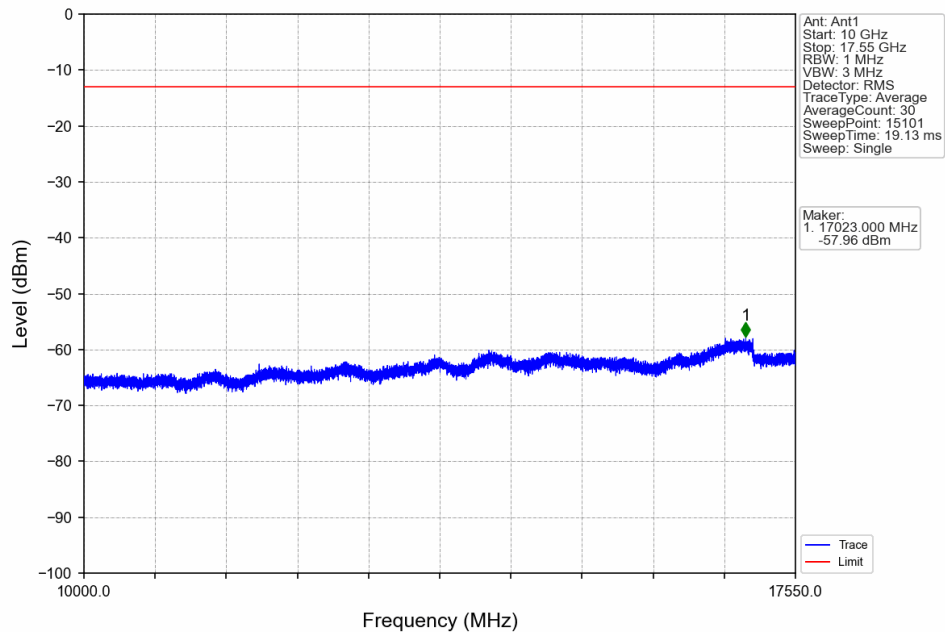
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



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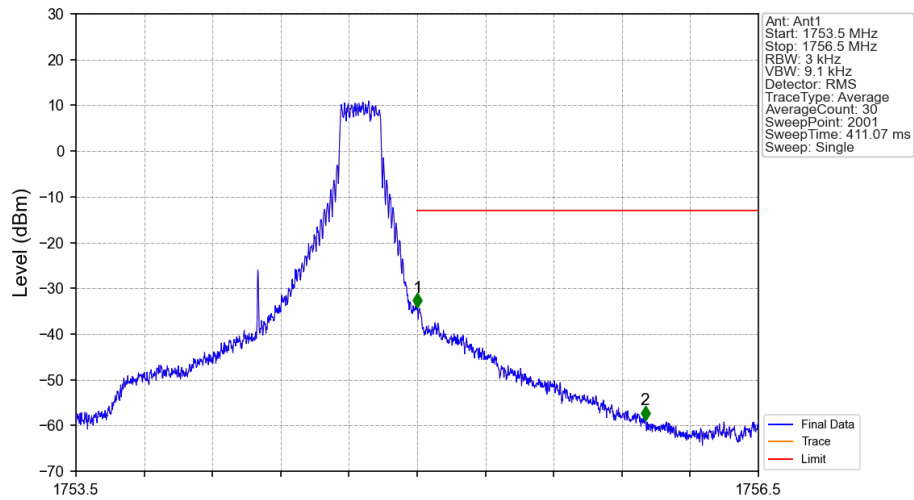
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	1	1755.002	-34.25	-13	Pass
1755	1756	0.003	/	2	1756.002	-58.80	-13	Pass



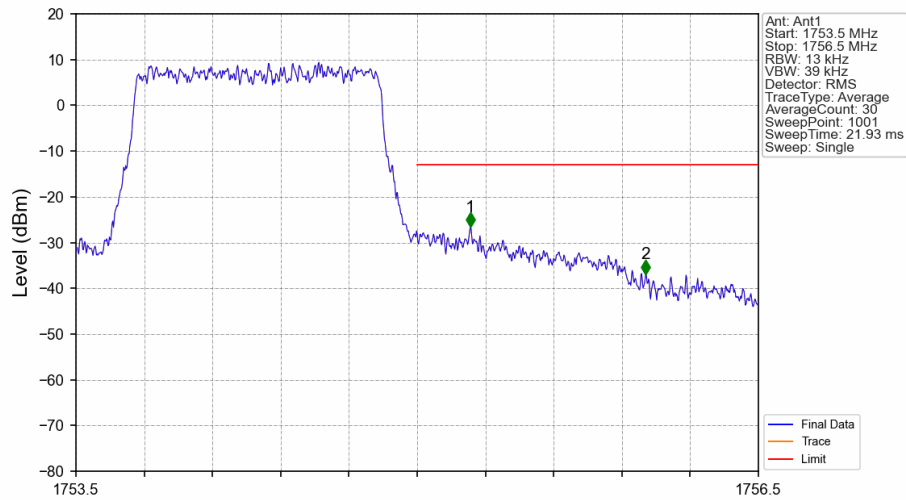
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	1	1755.234	-26.50	-13	Pass
1755	1756	0.013	/	2	1756.005	-36.91	-13	Pass

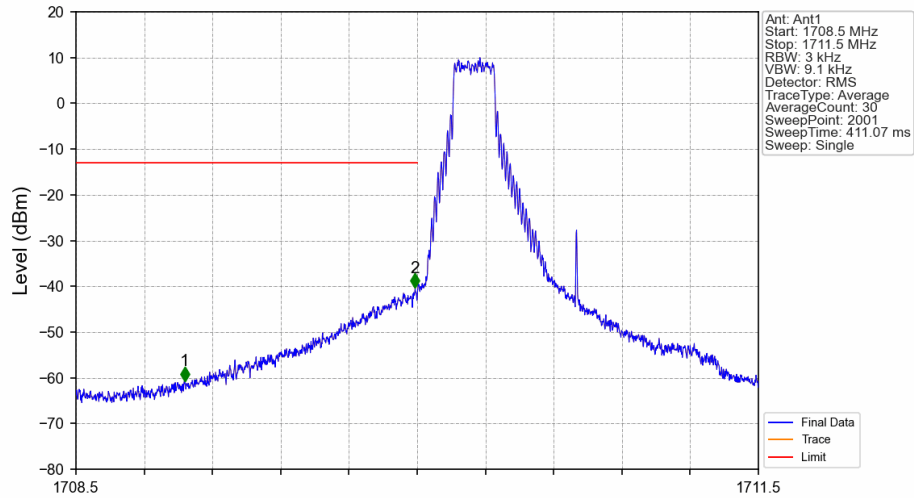


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Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.977	-60.69	-13	Pass
1709	1710	0.003	/	2	1709.991	-40.38	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/



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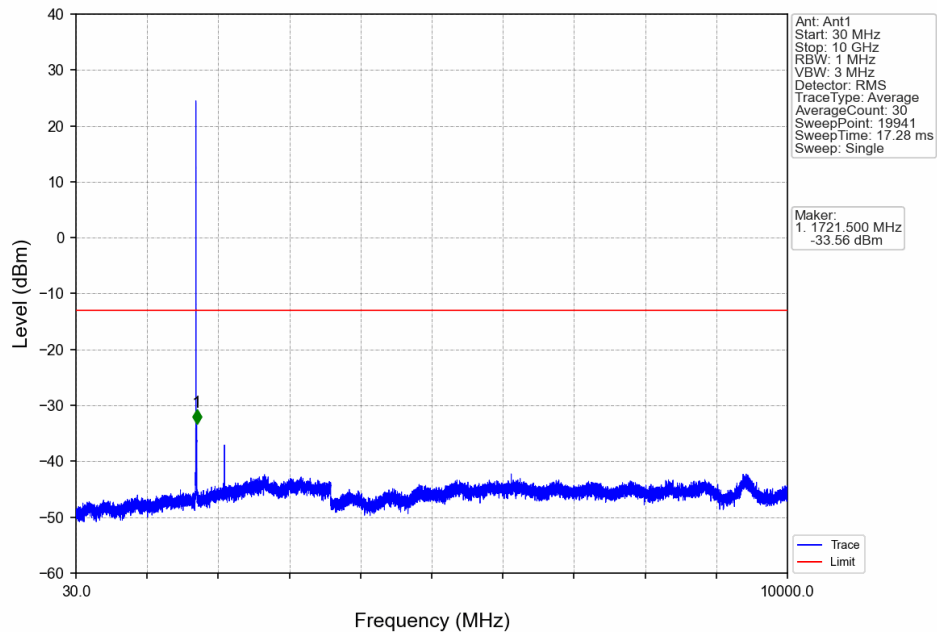
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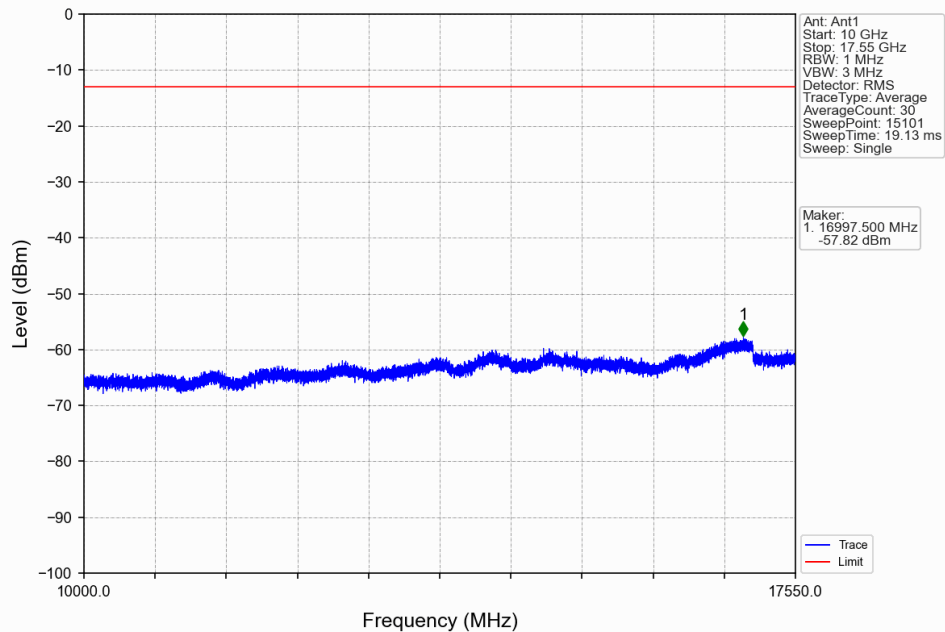
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Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



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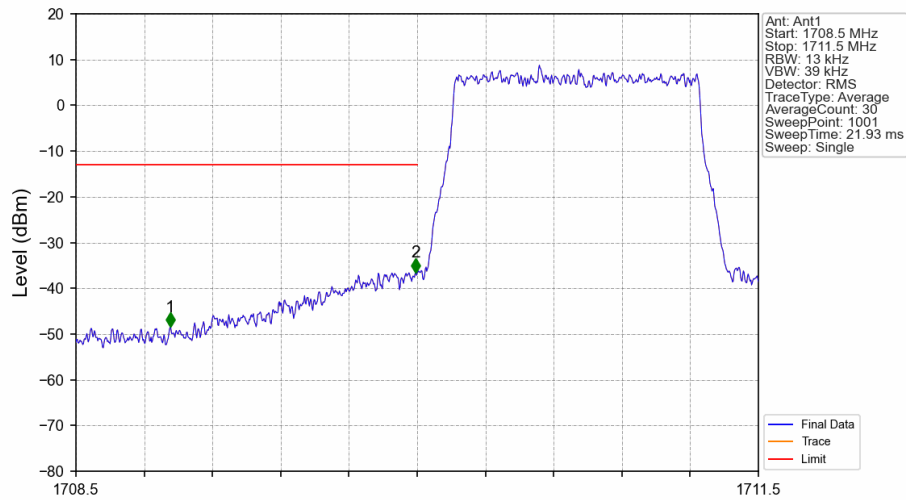
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Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.914	-48.48	-13	Pass
1709	1710	0.013	/	2	1709.994	-36.53	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/



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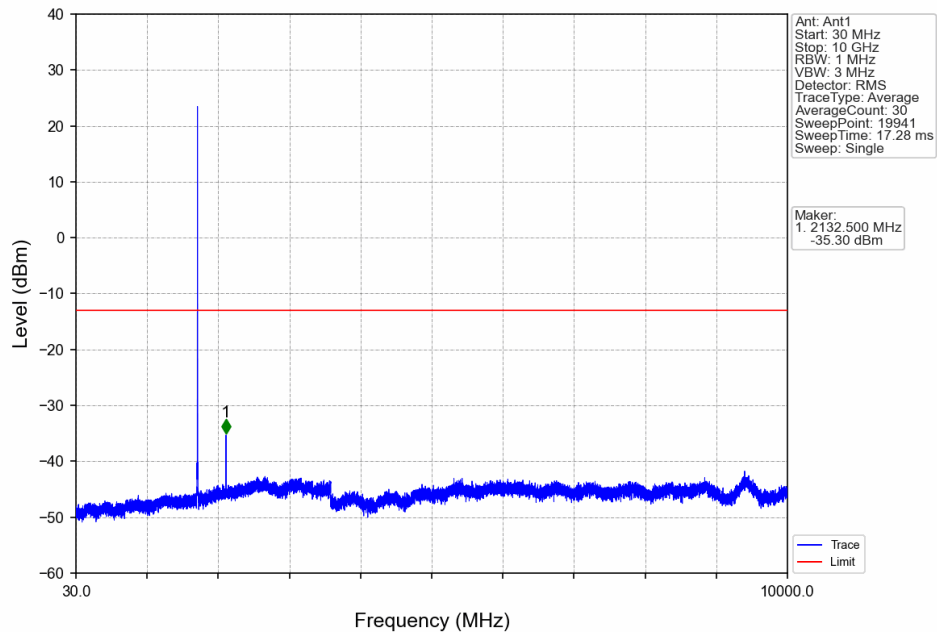
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Band4 1.4MHz 16QAM MCH 1732.5MHz_RB_1_0 NTN



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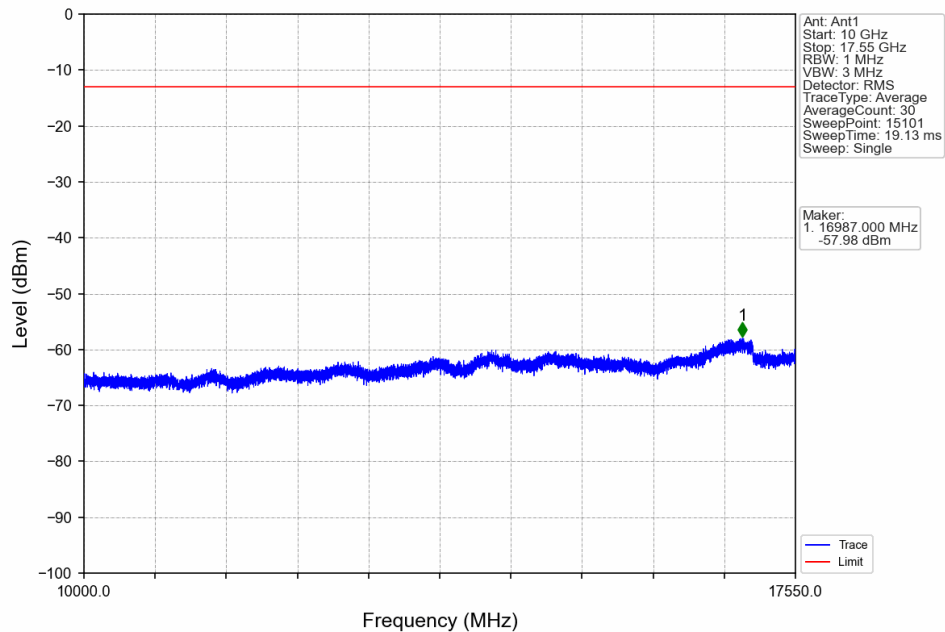
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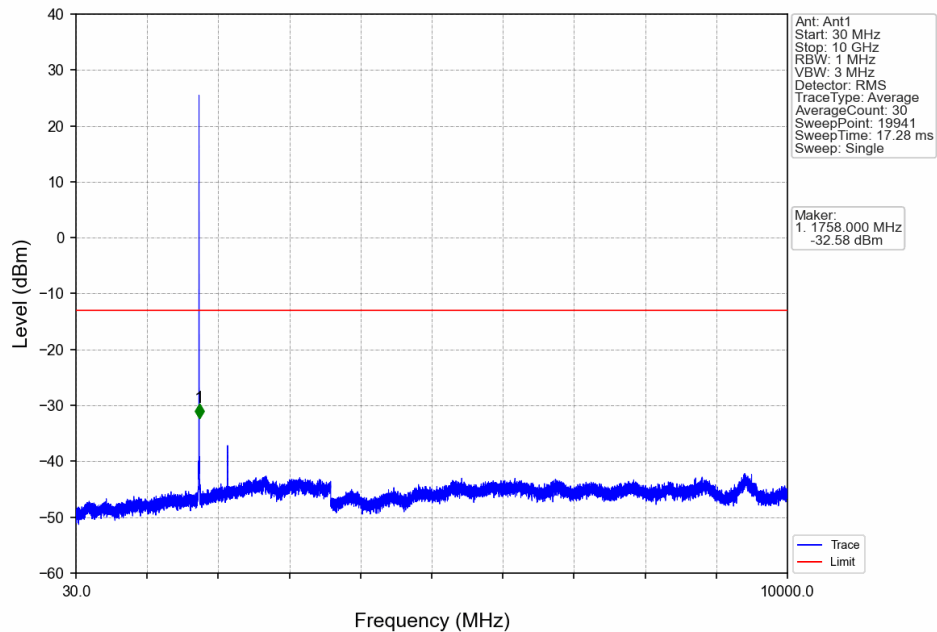
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Band4 1.4MHz 16QAM HCH 1754.3MHz_RB_1_0 NTN



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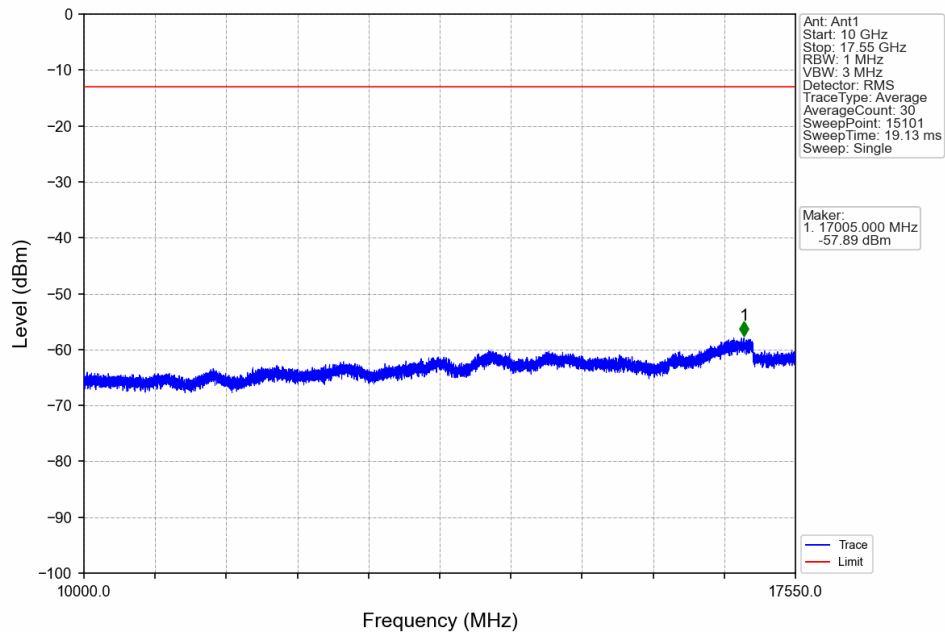
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Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTV



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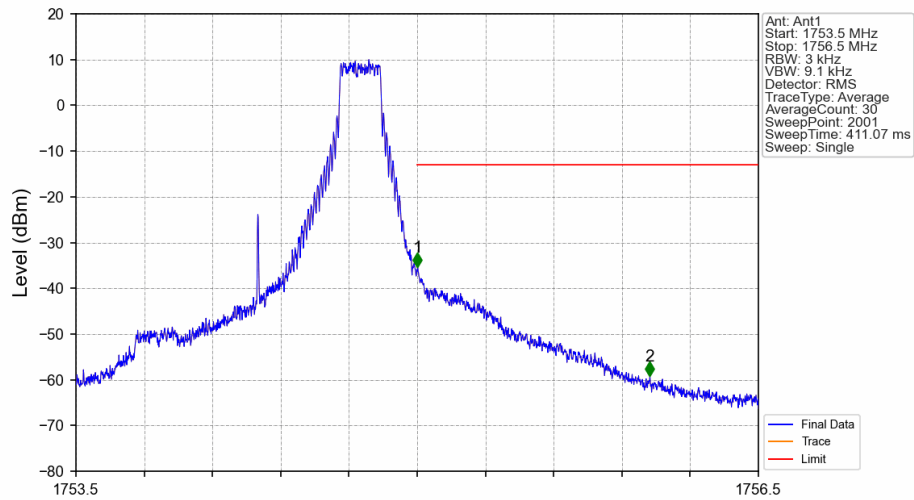
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Band4 1.4MHz 16QAM HCH 1754.3MHz_RB_1_5 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	1	1755.002	-35.42	-13	Pass
1755	1756	0.003	/	2	1756.023	-59.14	-13	Pass



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