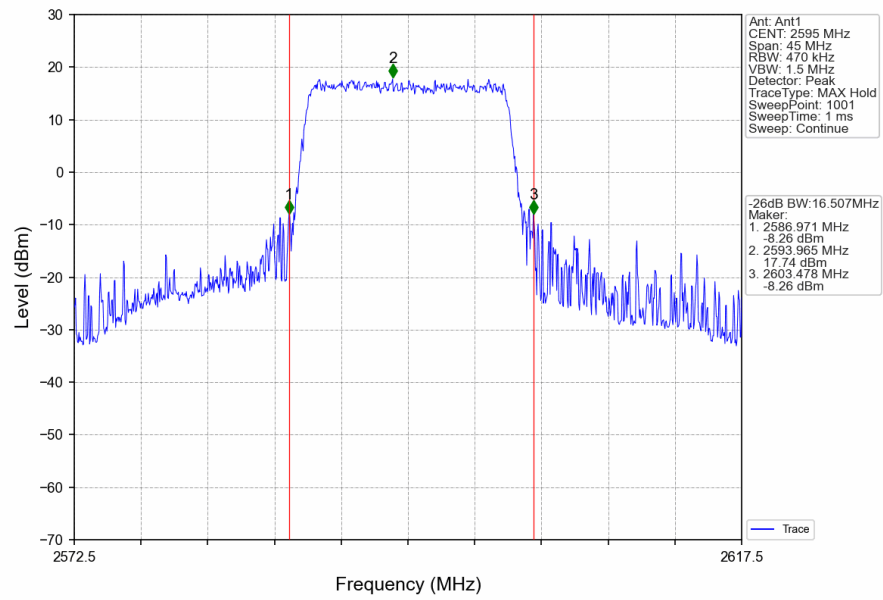
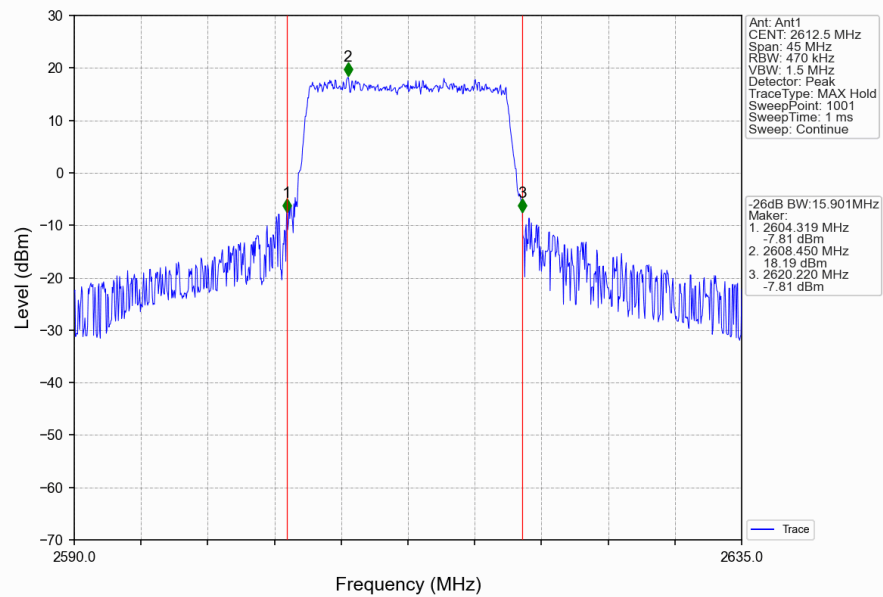


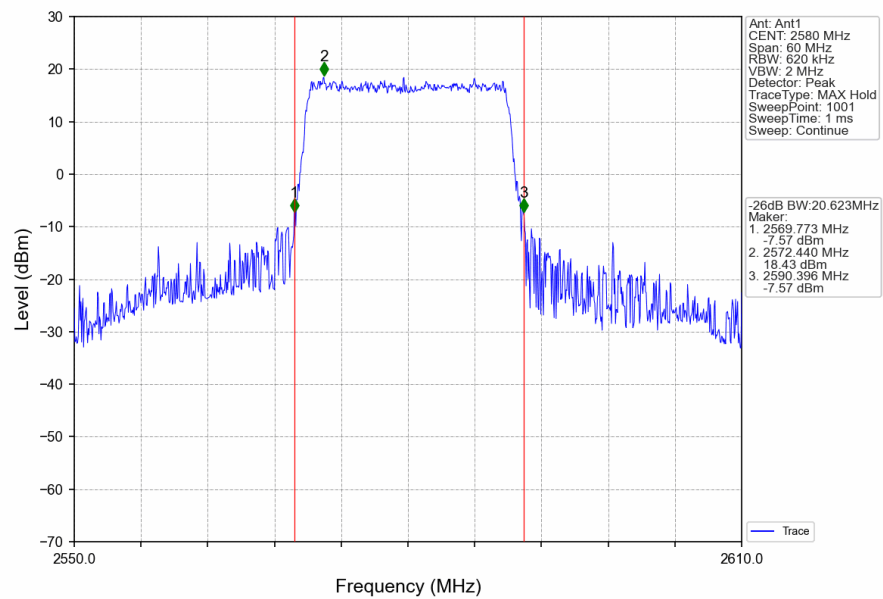
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



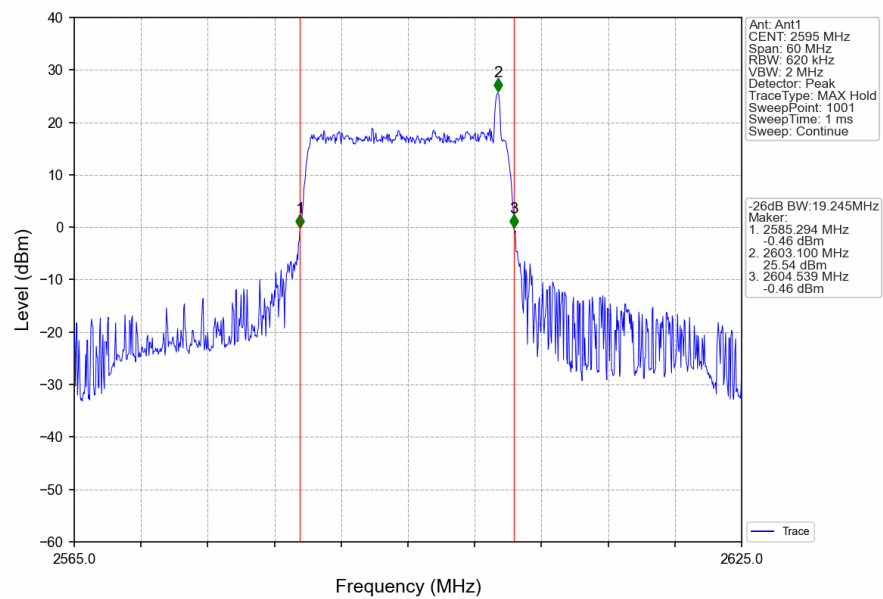
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



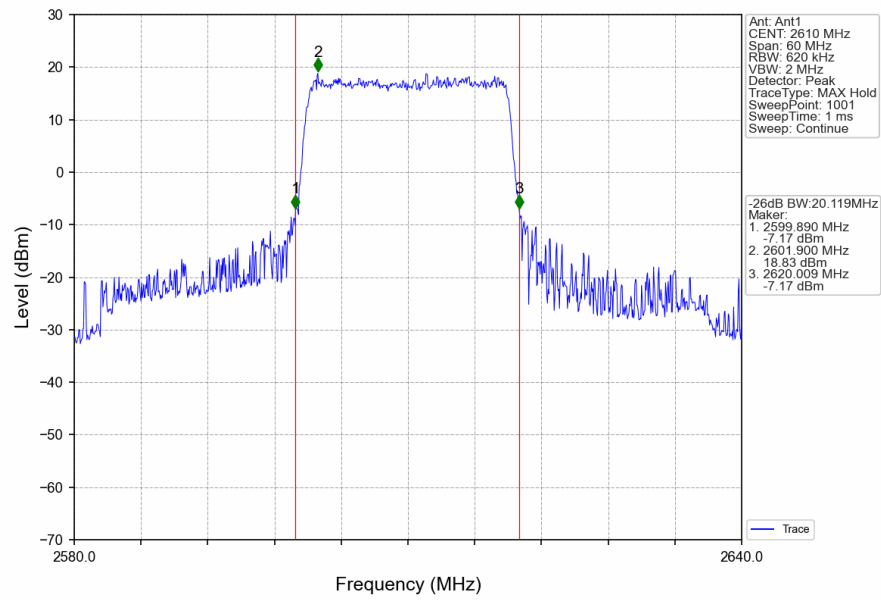
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTN



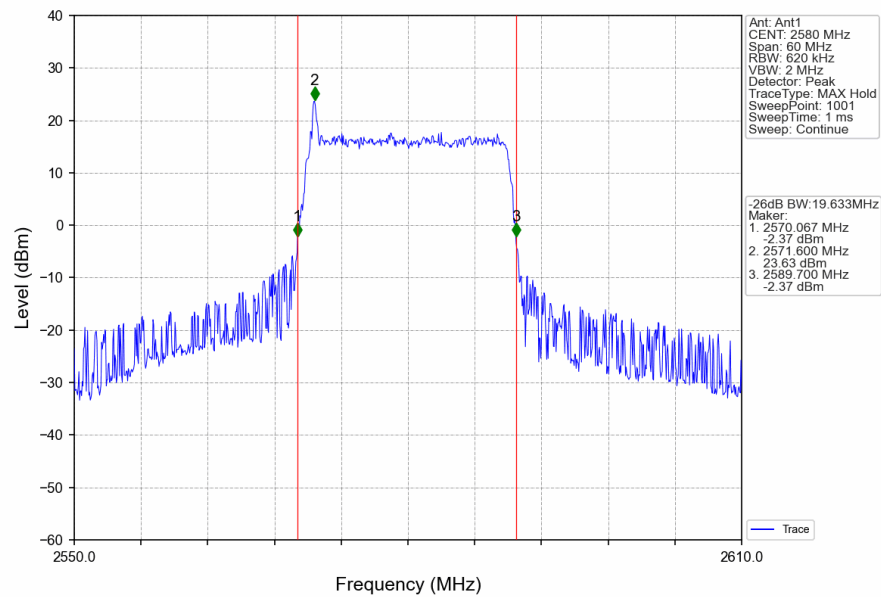
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTN



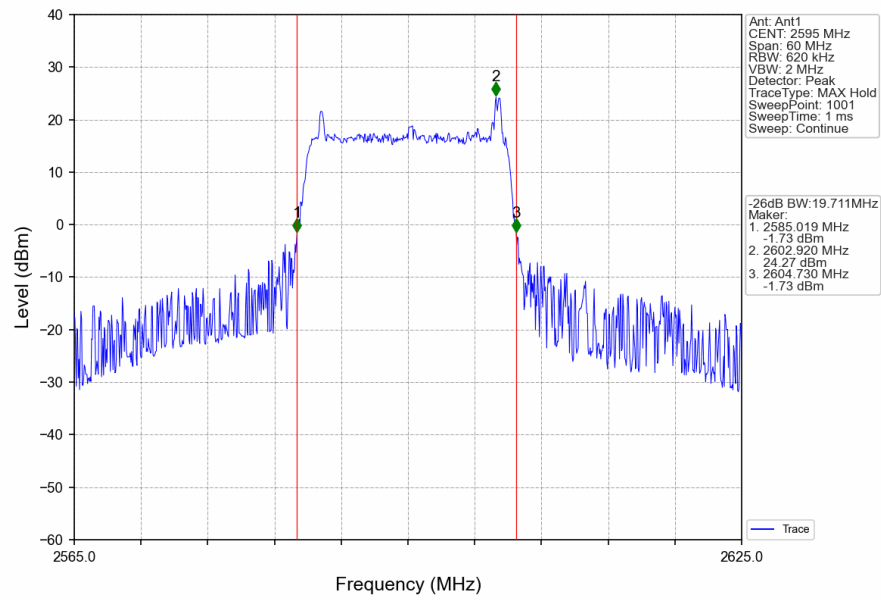
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTNV



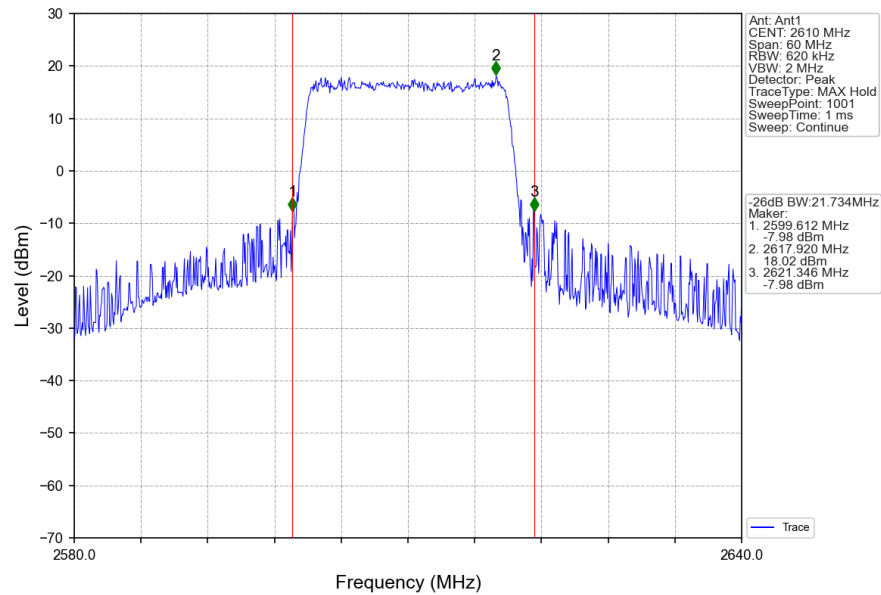
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



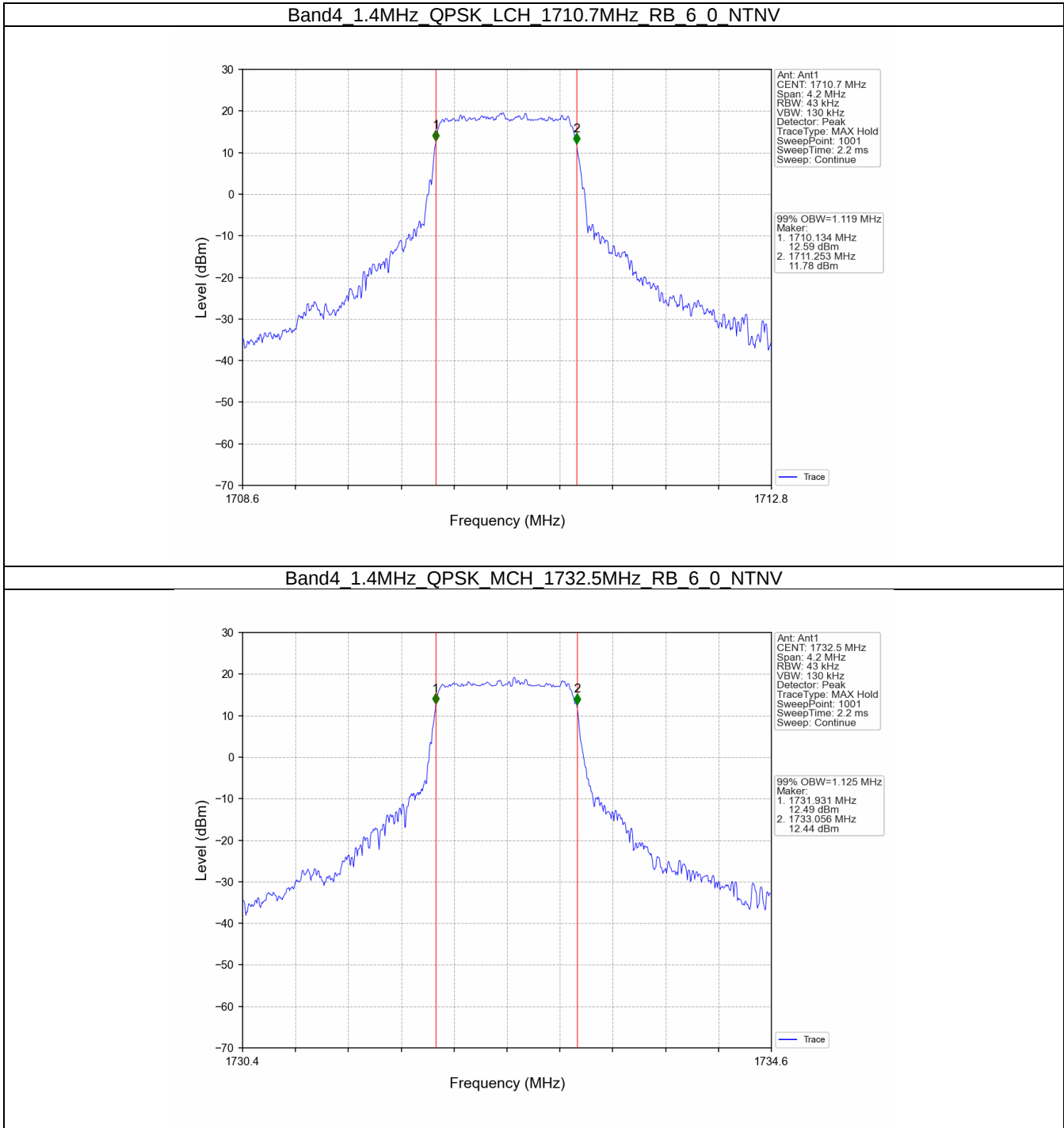
5. 99% & 26dB Bandwidth

5.1 Band4_OBW

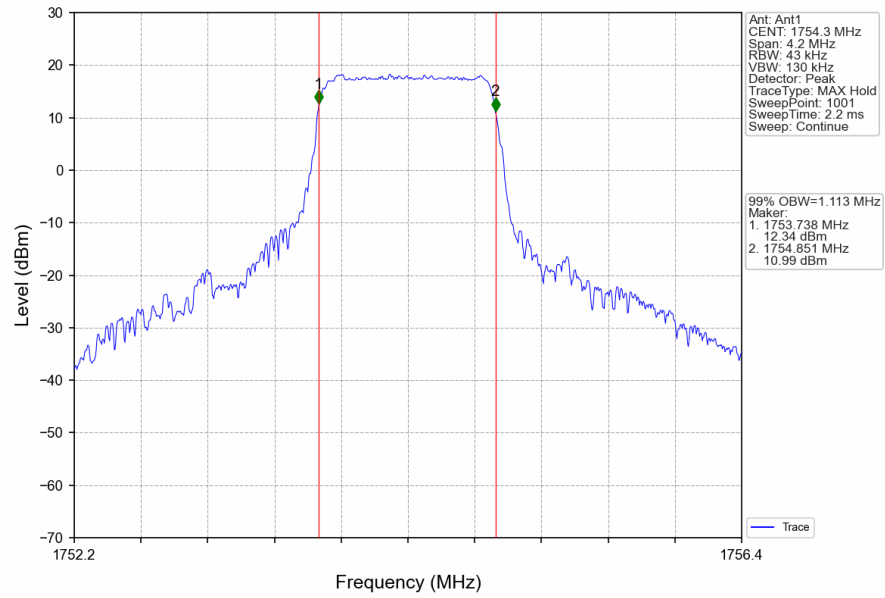
5.1.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.119	Pass
		1732.5	6	0	1.125	Pass
		1754.3	6	0	1.113	Pass
	16QAM	1710.7	6	0	1.114	Pass
		1732.5	6	0	1.118	Pass
		1754.3	6	0	1.121	Pass
3	QPSK	1711.5	15	0	2.764	Pass
		1732.5	15	0	2.750	Pass
		1753.5	15	0	2.759	Pass
	16QAM	1711.5	15	0	2.753	Pass
		1732.5	15	0	2.779	Pass
		1753.5	15	0	2.758	Pass
5	QPSK	1712.5	25	0	4.596	Pass
		1732.5	25	0	4.577	Pass
		1752.5	25	0	4.568	Pass
	16QAM	1712.5	25	0	4.582	Pass
		1732.5	25	0	4.623	Pass
		1752.5	25	0	4.607	Pass
10	QPSK	1715	50	0	9.064	Pass
		1732.5	50	0	9.051	Pass
		1750	50	0	9.088	Pass
	16QAM	1715	50	0	9.072	Pass
		1732.5	50	0	9.060	Pass
		1750	50	0	9.097	Pass
15	QPSK	1717.5	75	0	13.616	Pass
		1732.5	75	0	13.590	Pass
		1747.5	75	0	13.679	Pass
	16QAM	1717.5	75	0	13.625	Pass
		1732.5	75	0	13.606	Pass
		1747.5	75	0	13.662	Pass
20	QPSK	1720	100	0	18.112	Pass
		1732.5	100	0	18.098	Pass
		1745	100	0	18.294	Pass
	16QAM	1720	100	0	18.099	Pass
		1732.5	100	0	18.174	Pass
		1745	100	0	18.227	Pass

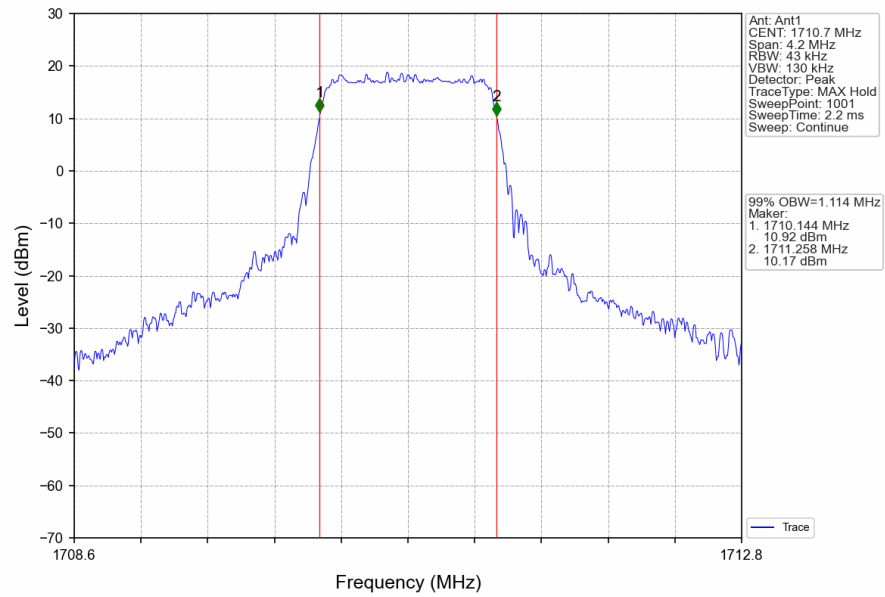
5.1.2 Test Graph



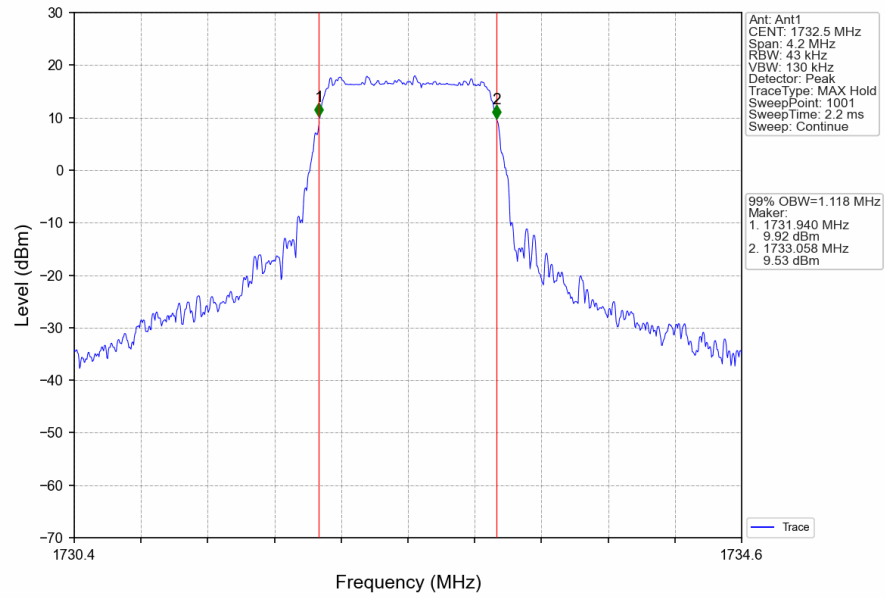
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



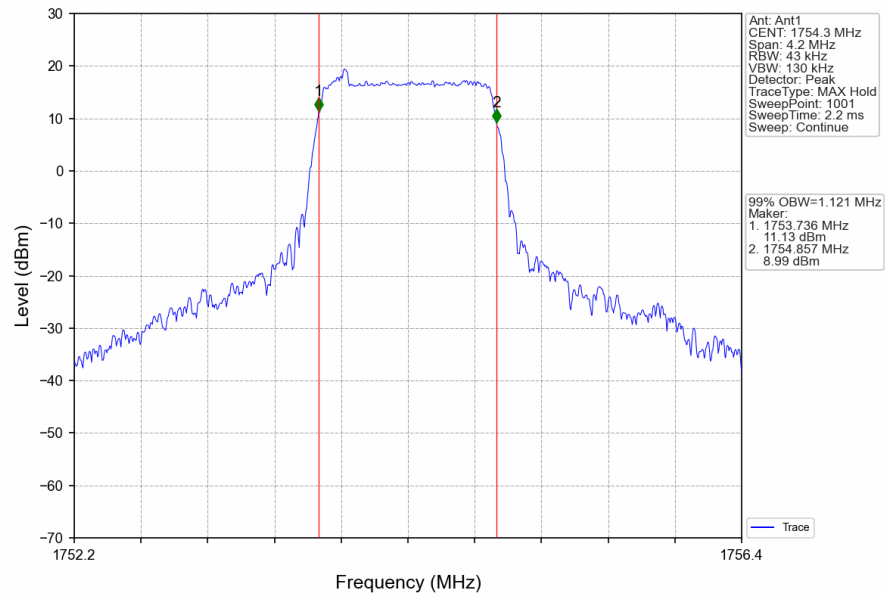
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



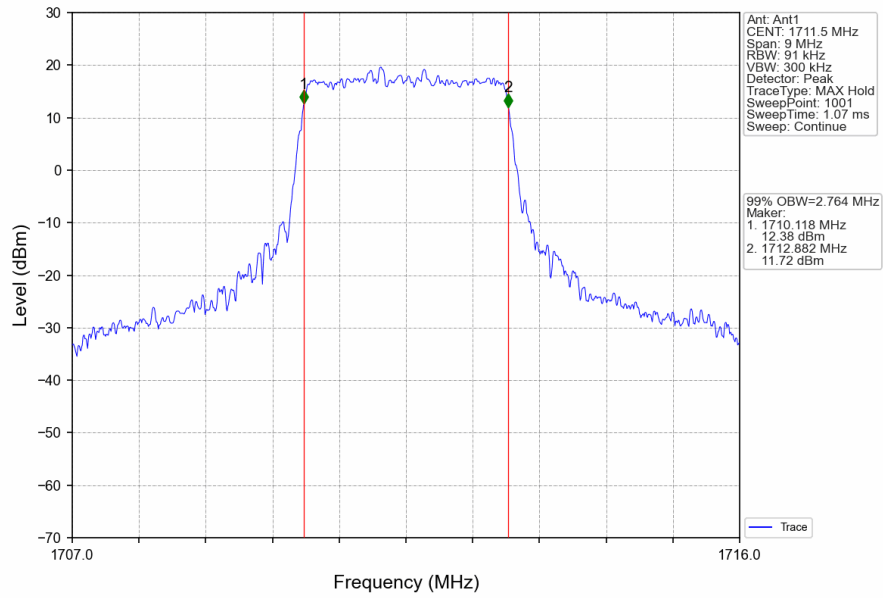
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



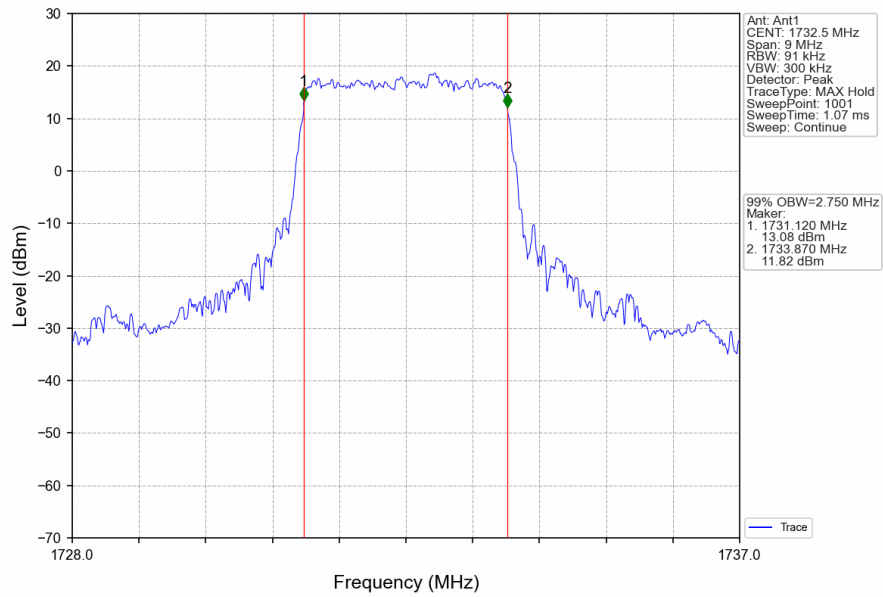
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



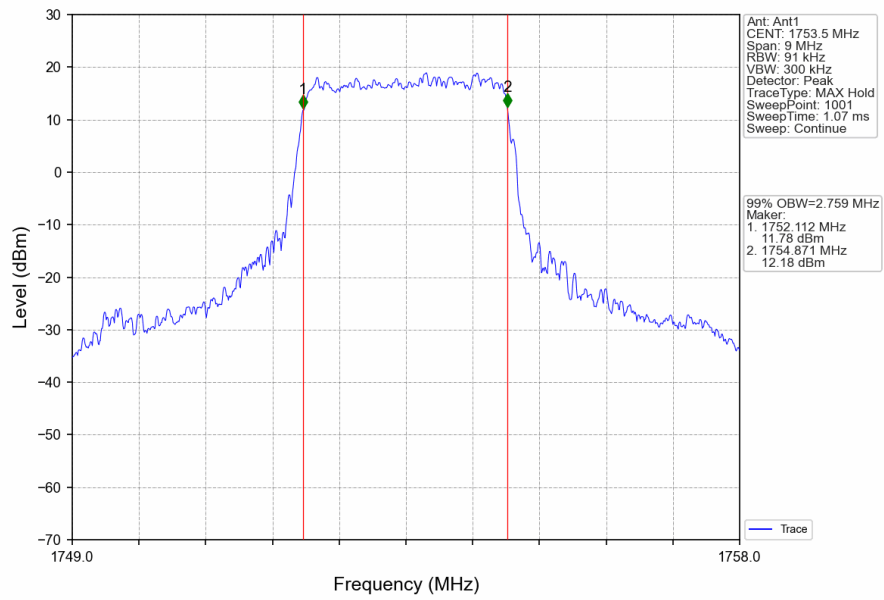
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTN



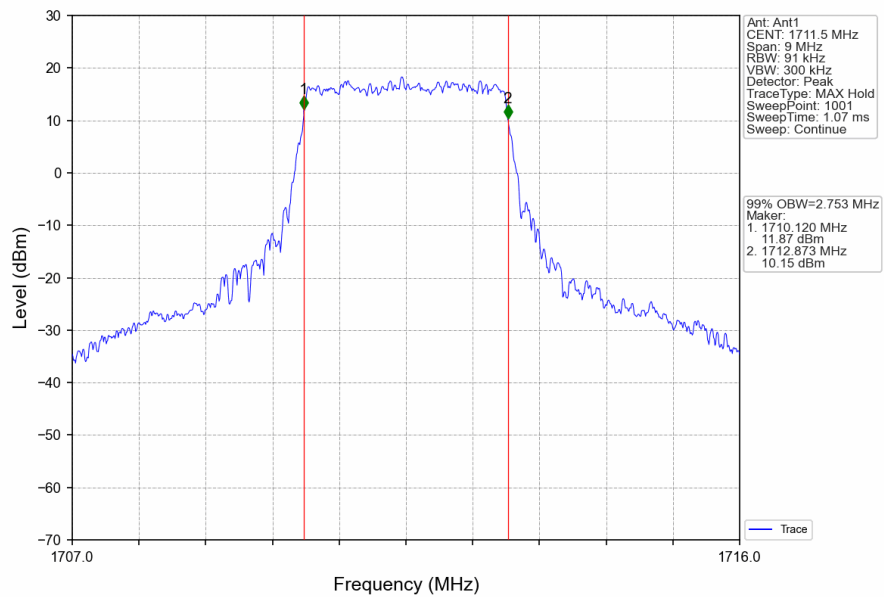
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTN



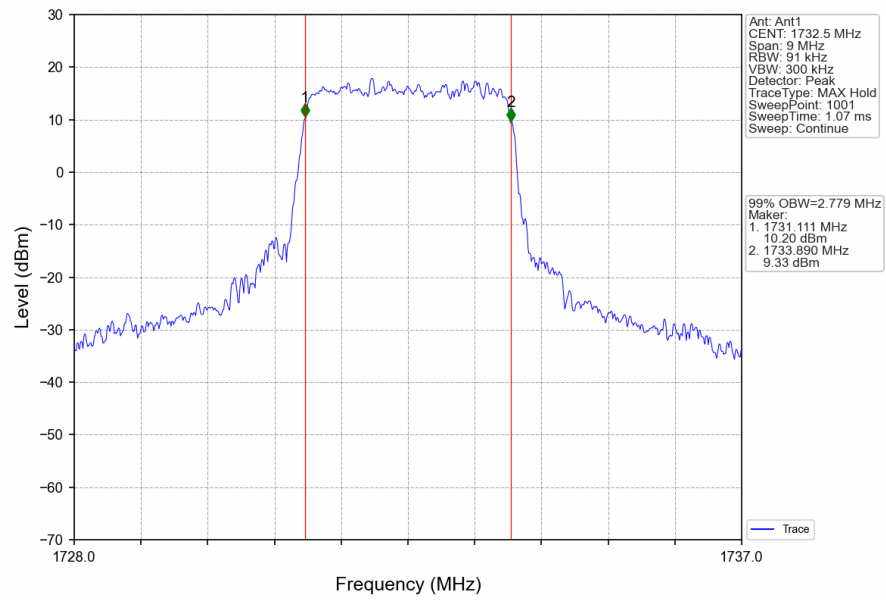
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



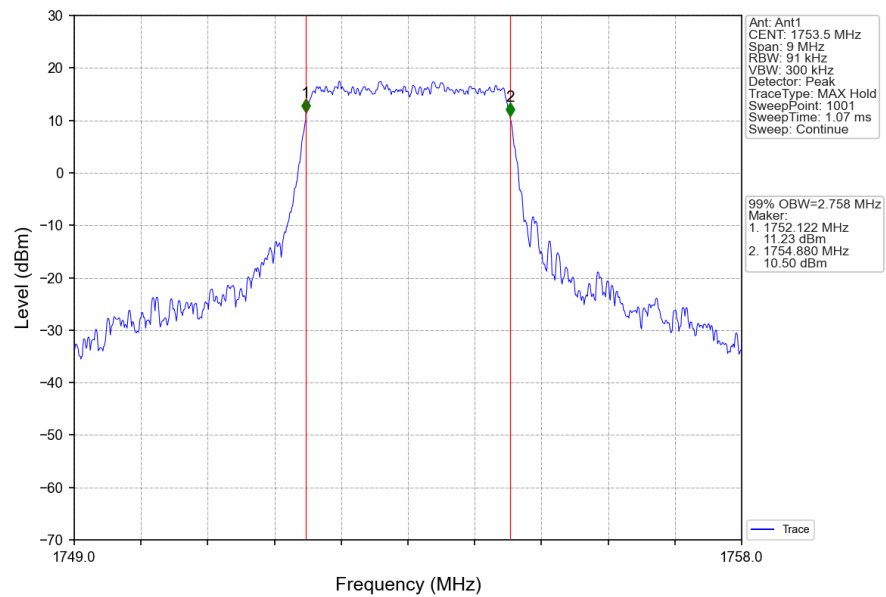
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



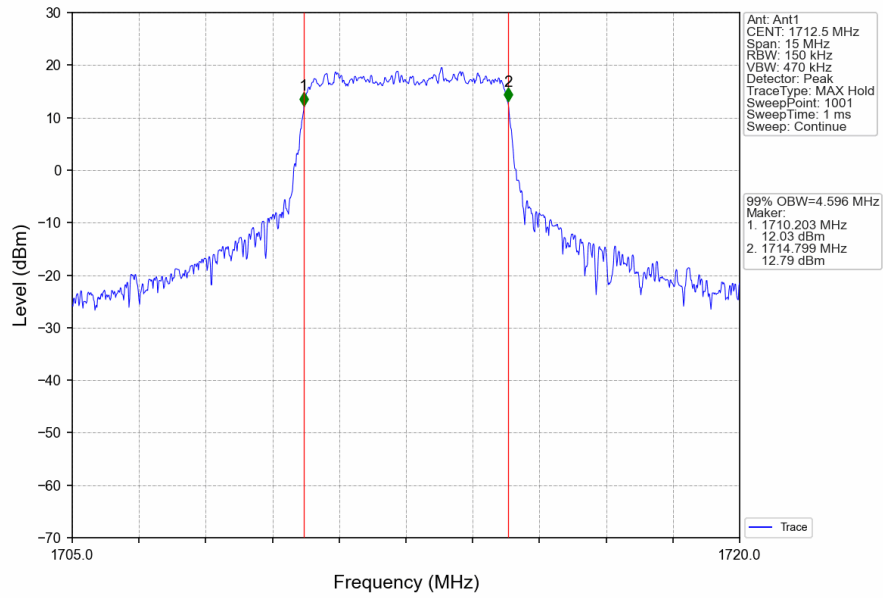
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



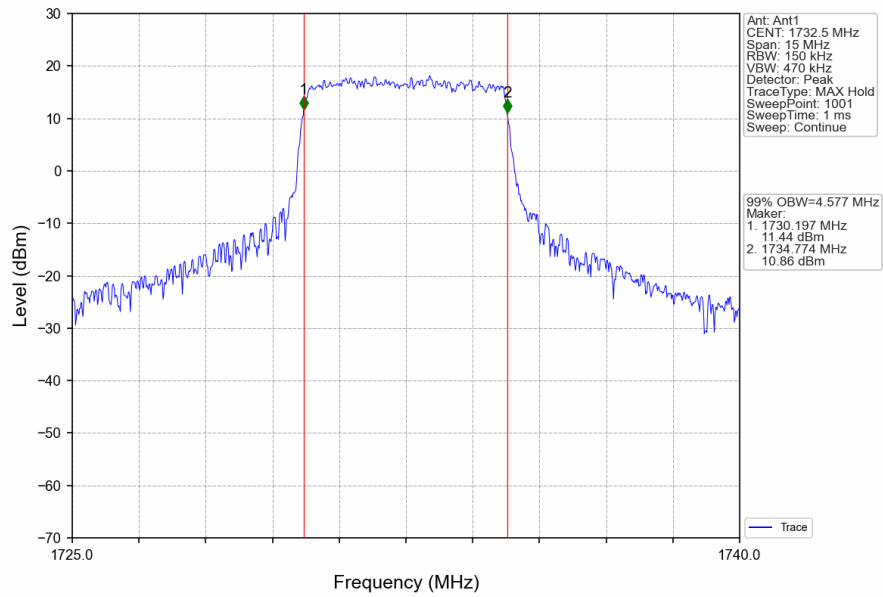
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



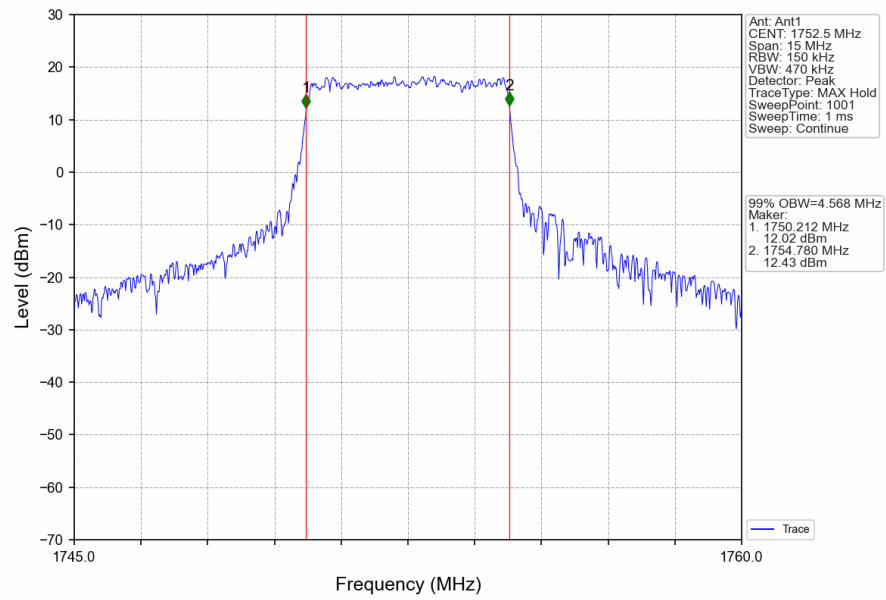
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



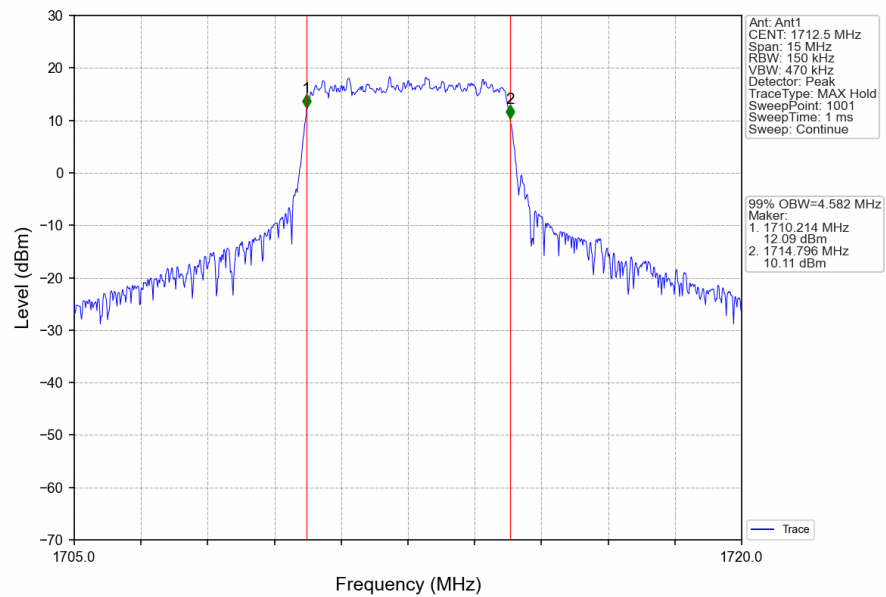
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



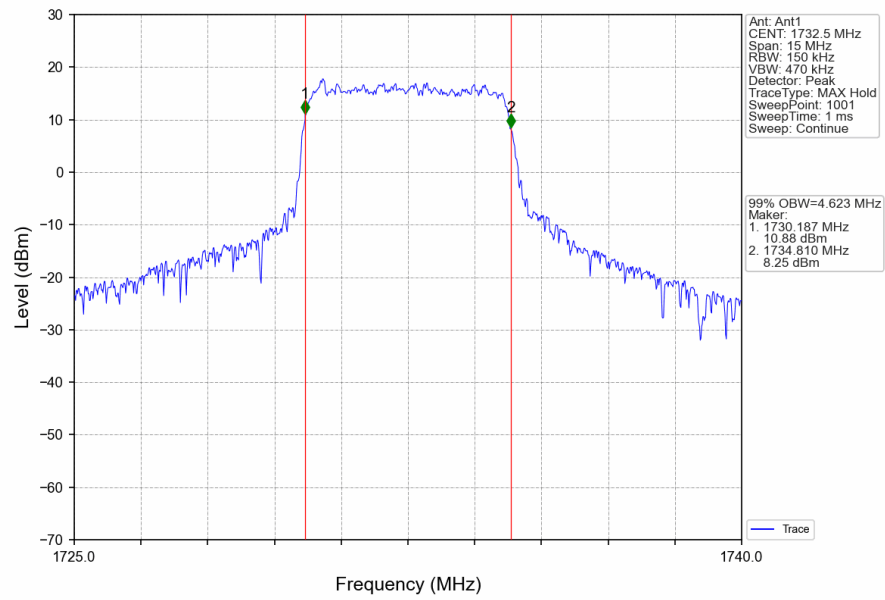
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



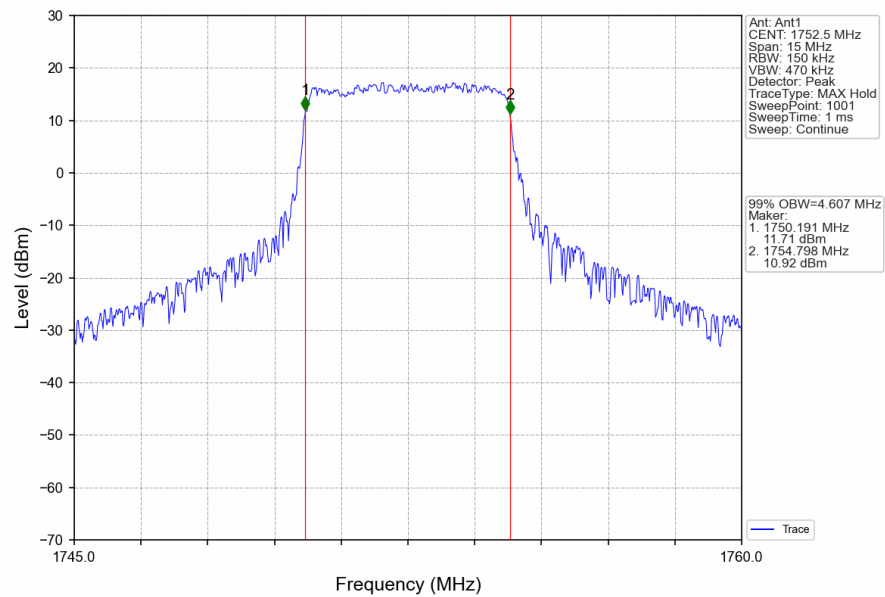
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



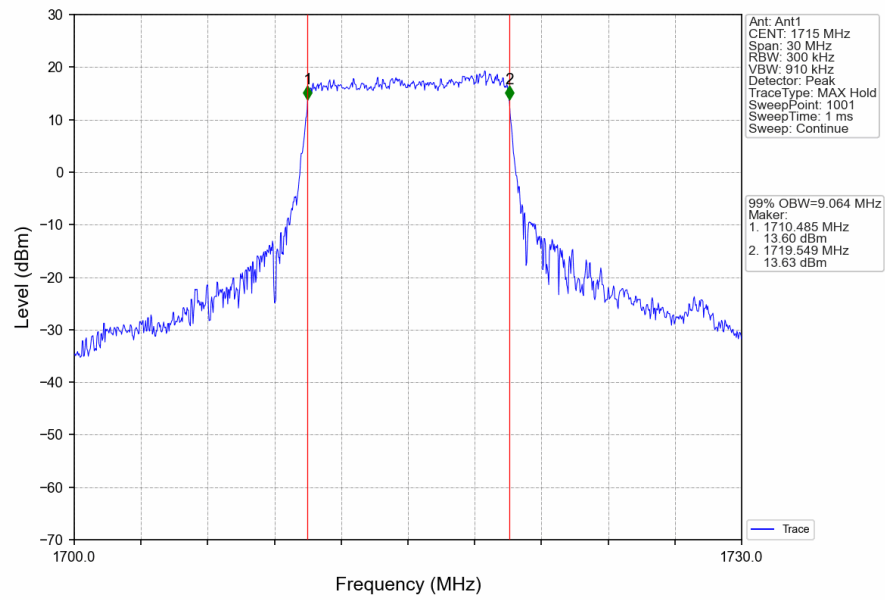
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



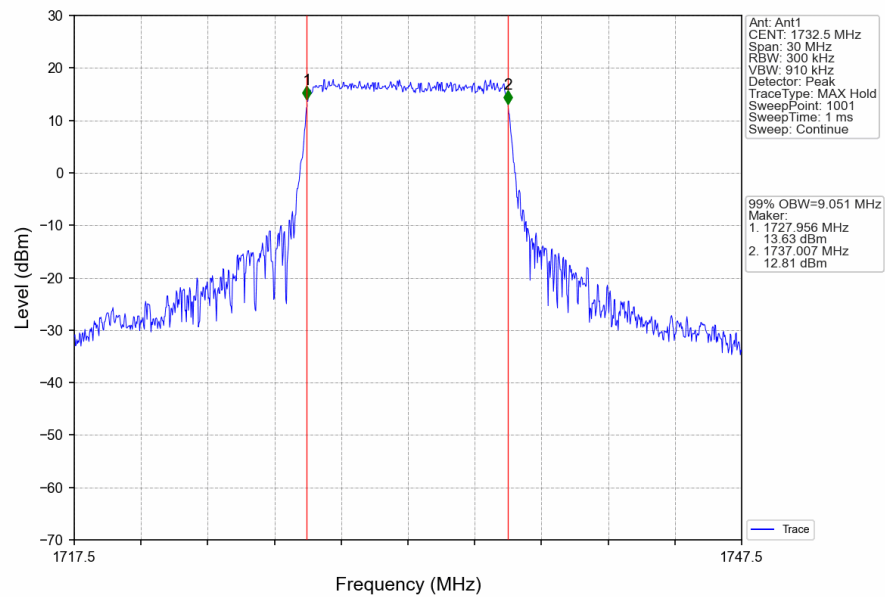
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



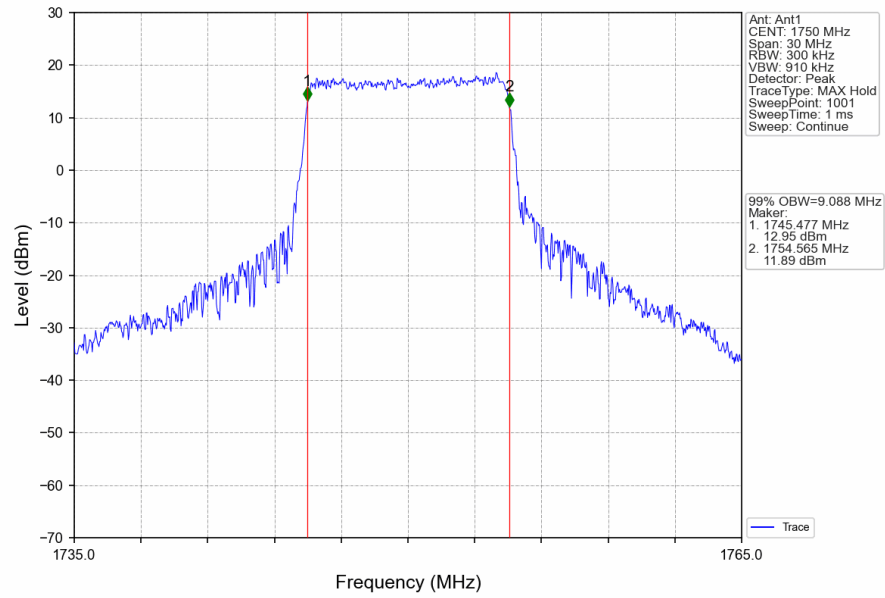
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



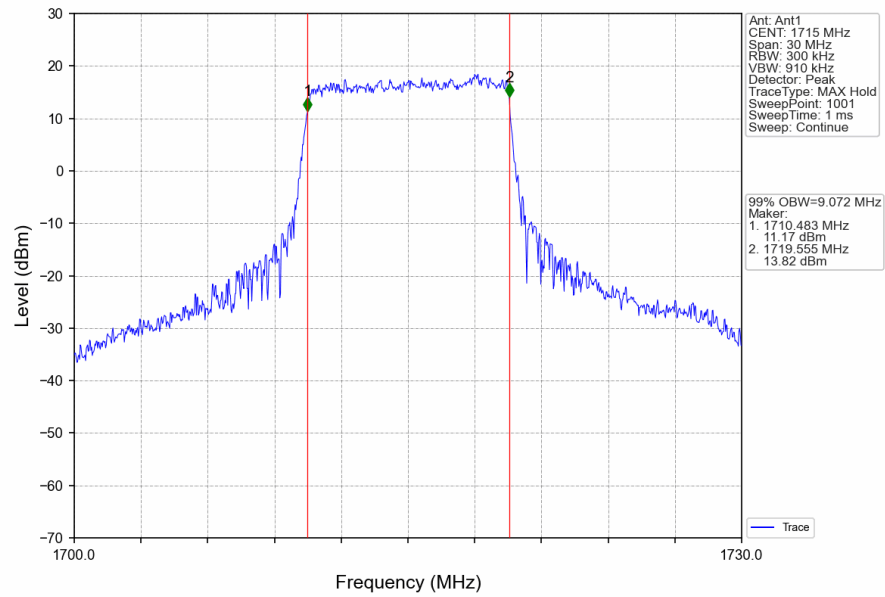
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



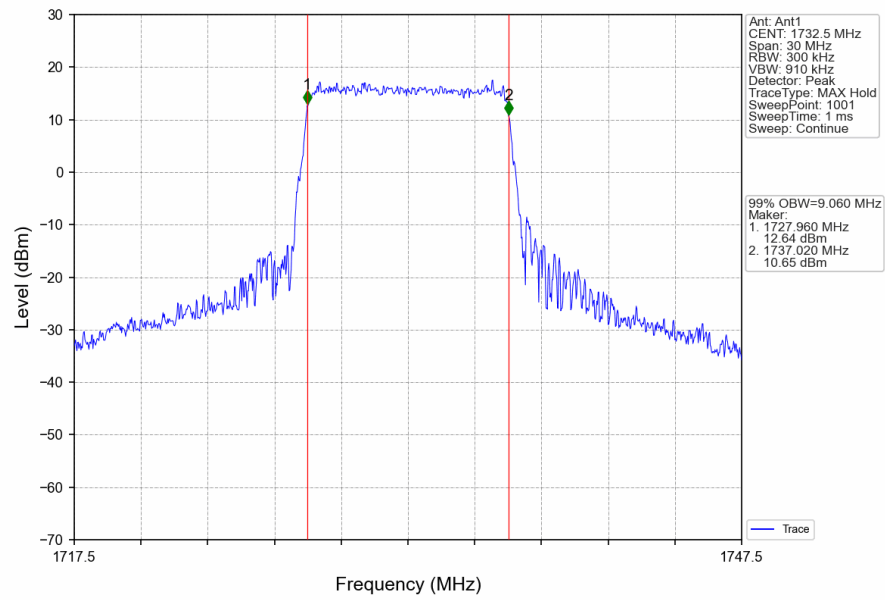
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



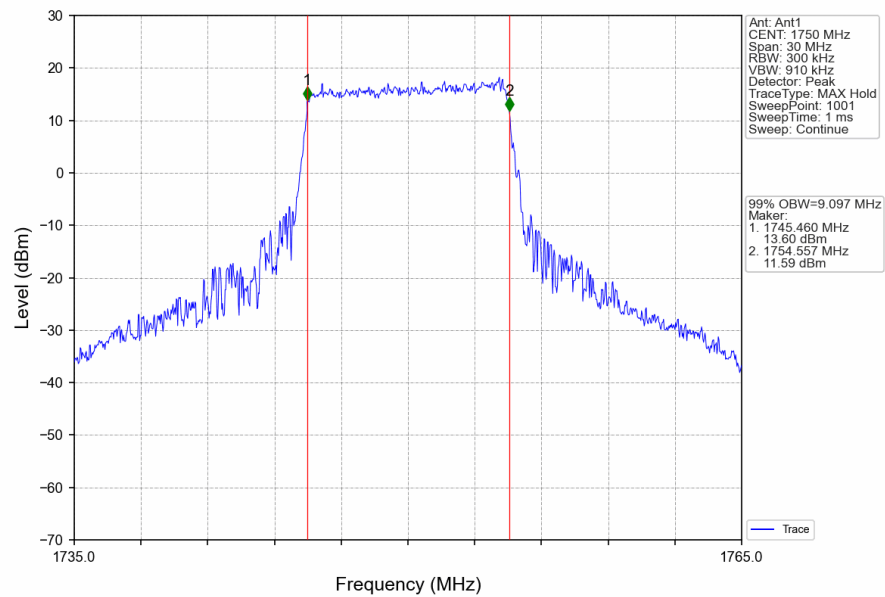
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



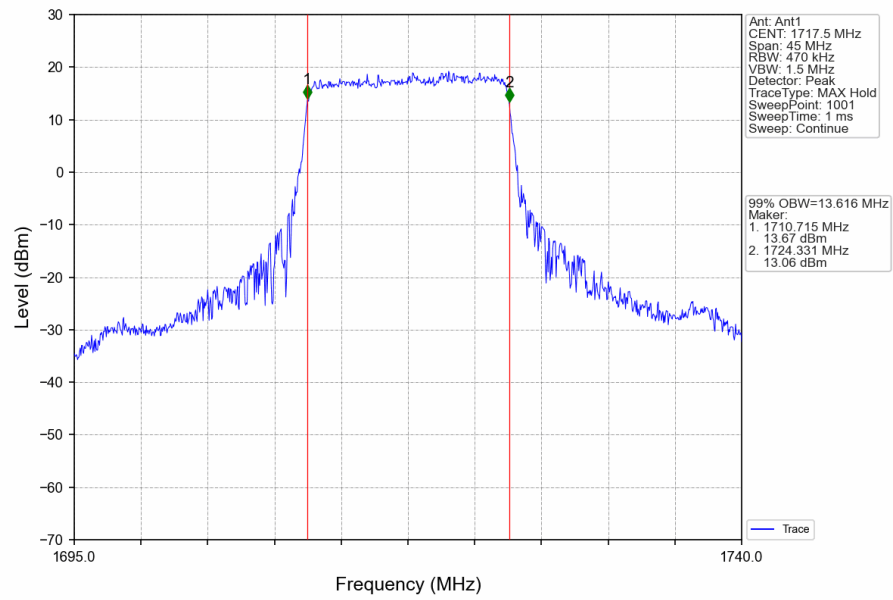
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



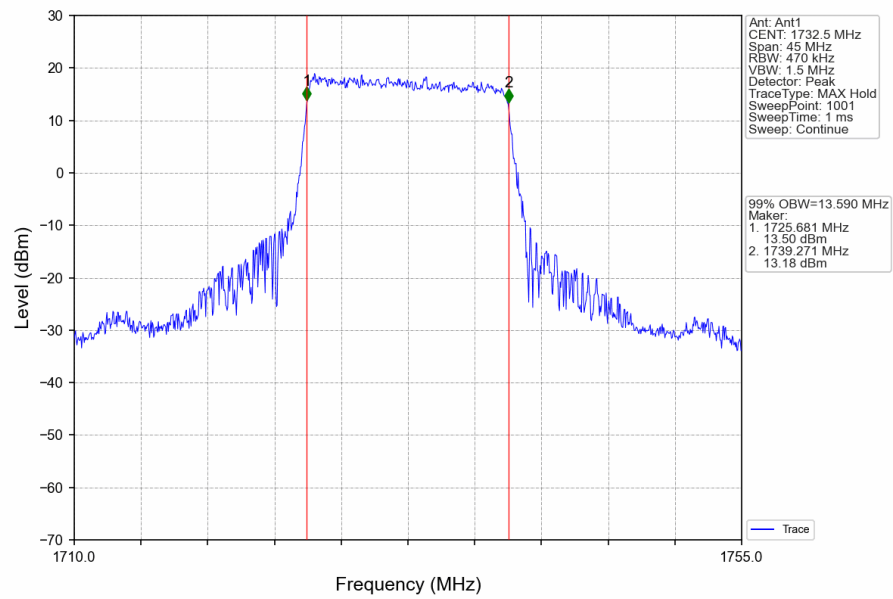
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



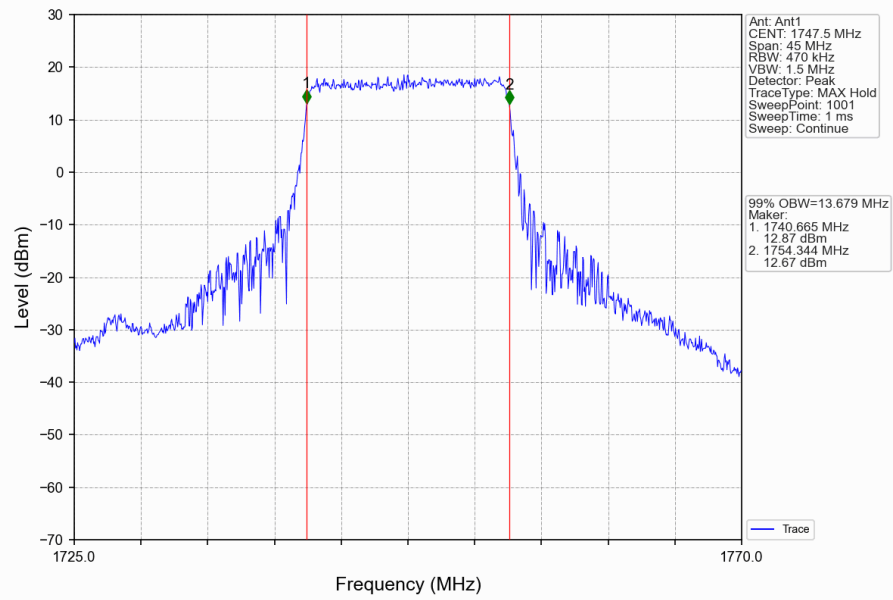
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



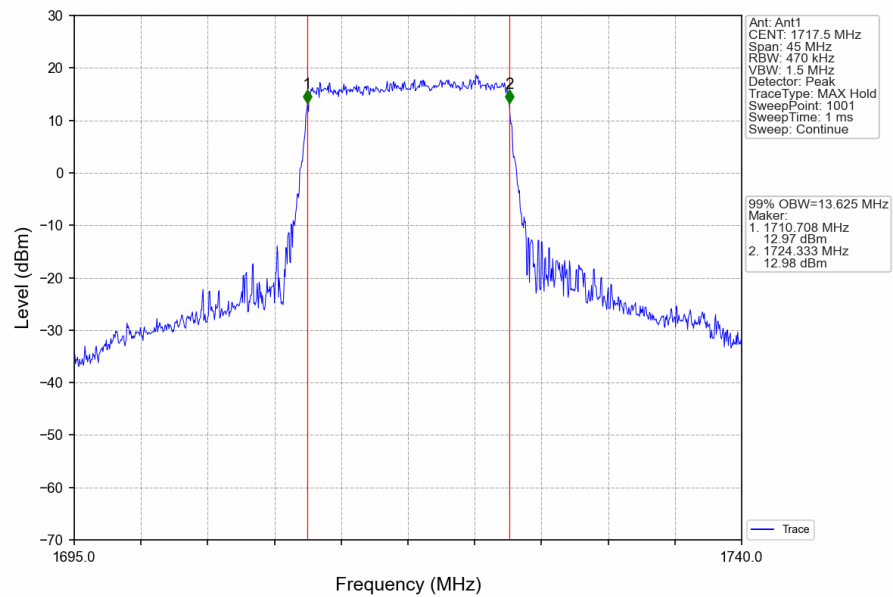
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



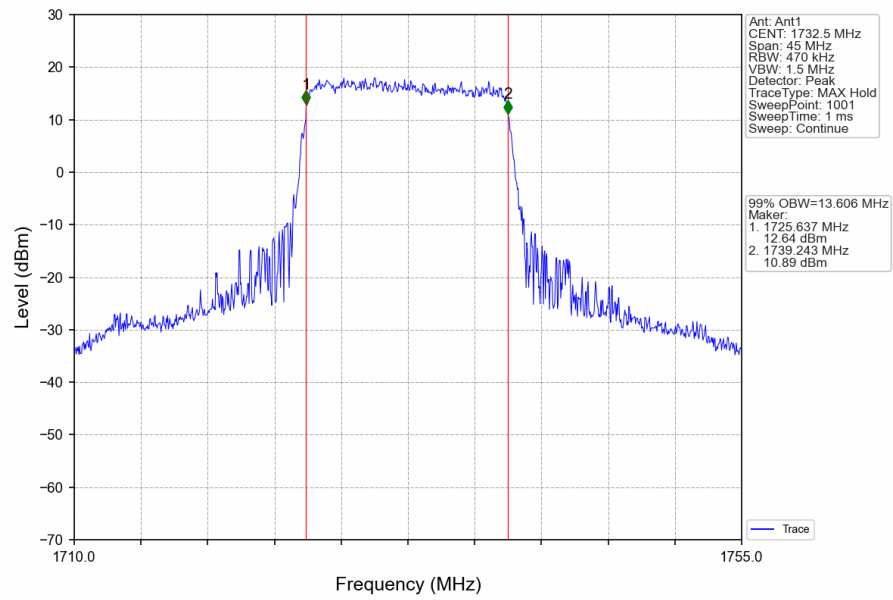
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



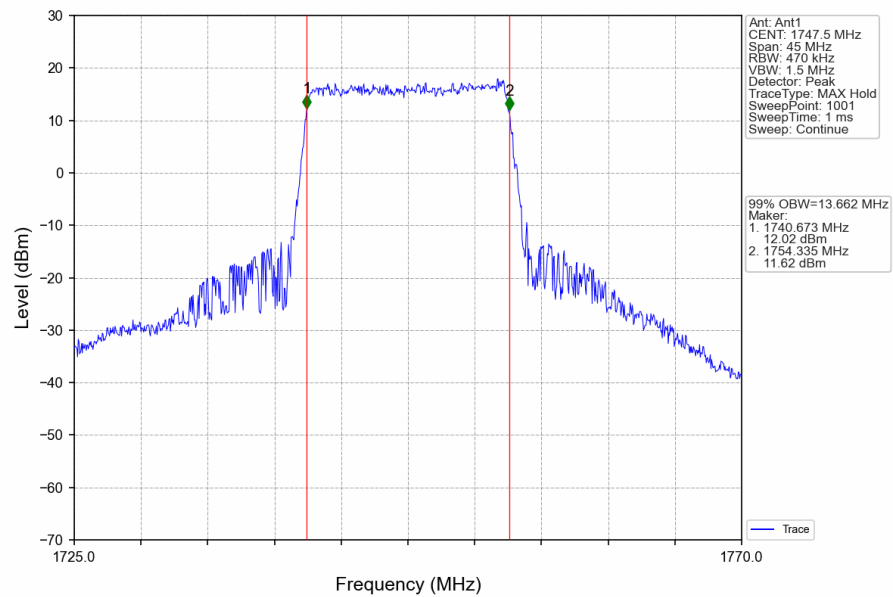
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



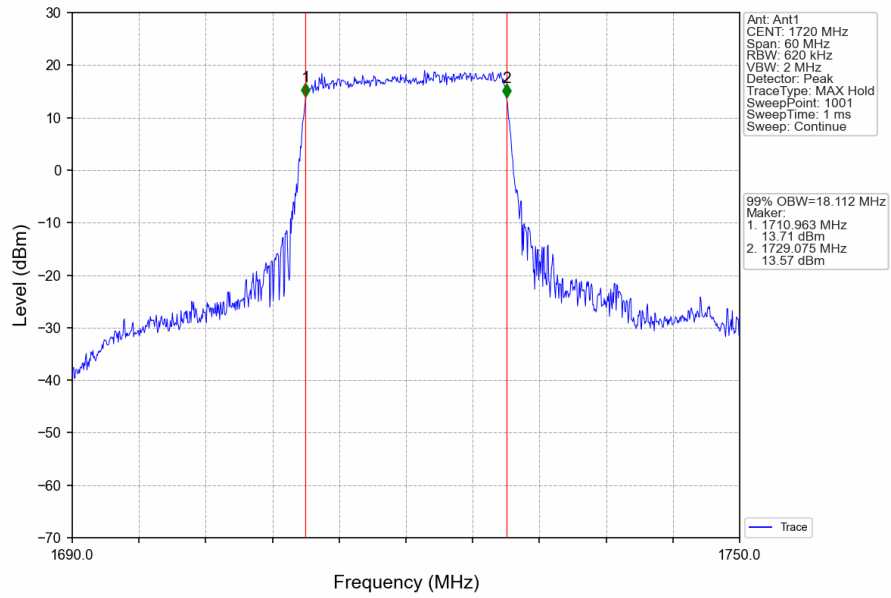
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



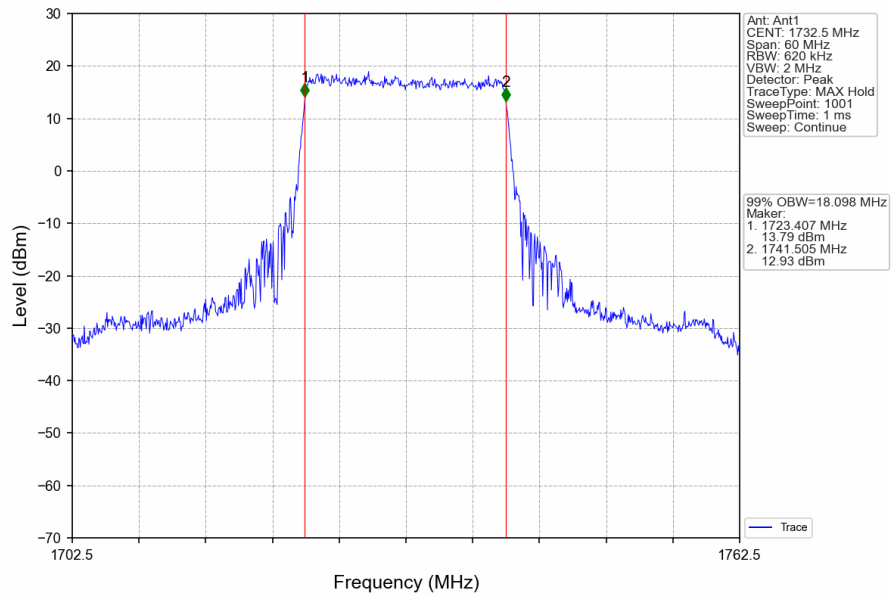
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



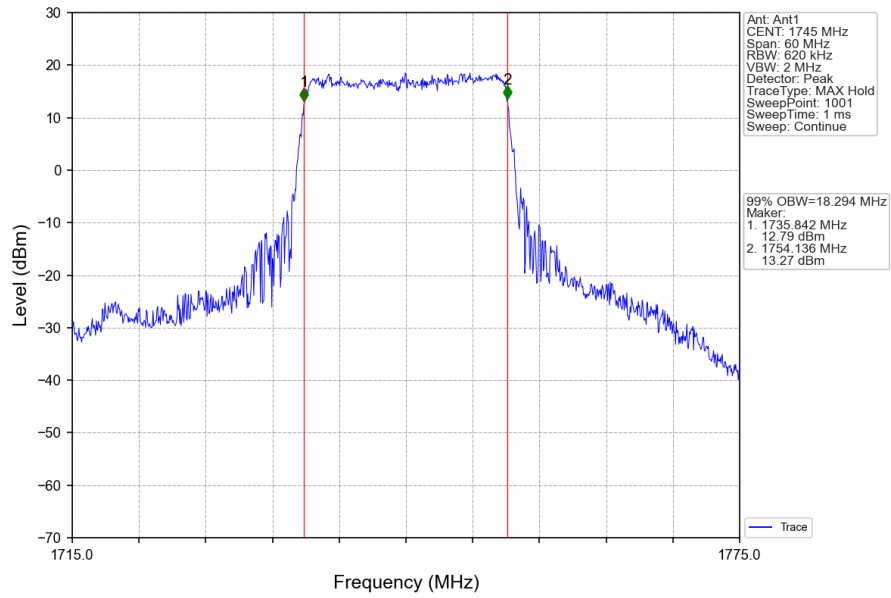
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



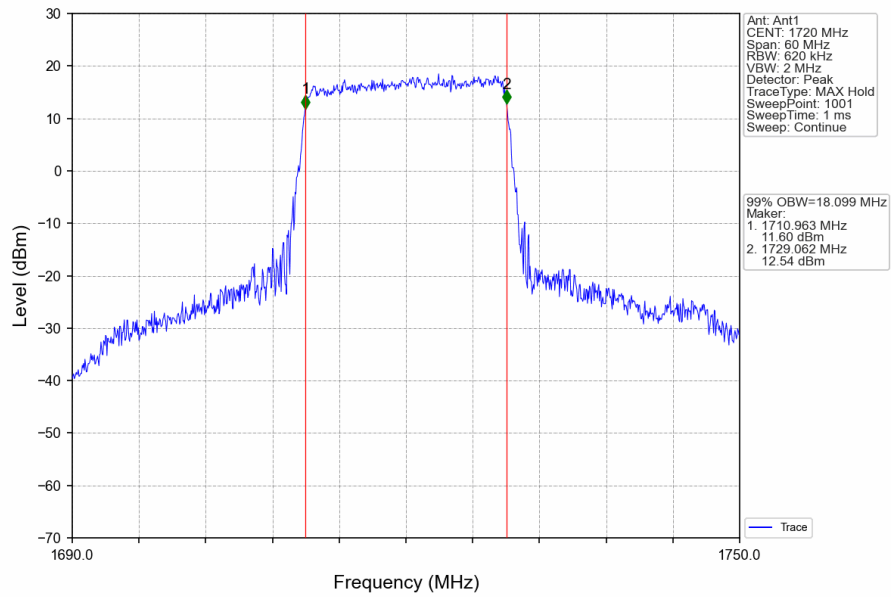
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



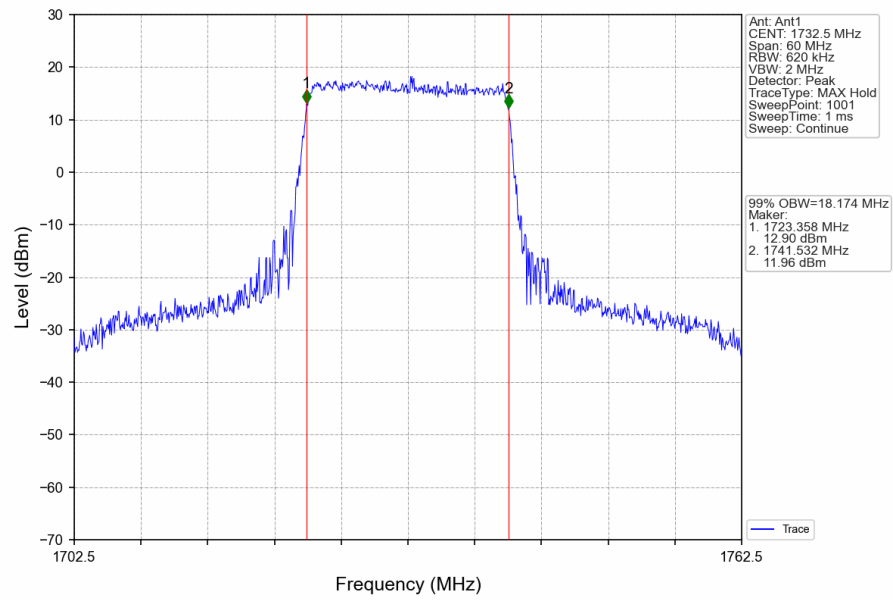
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



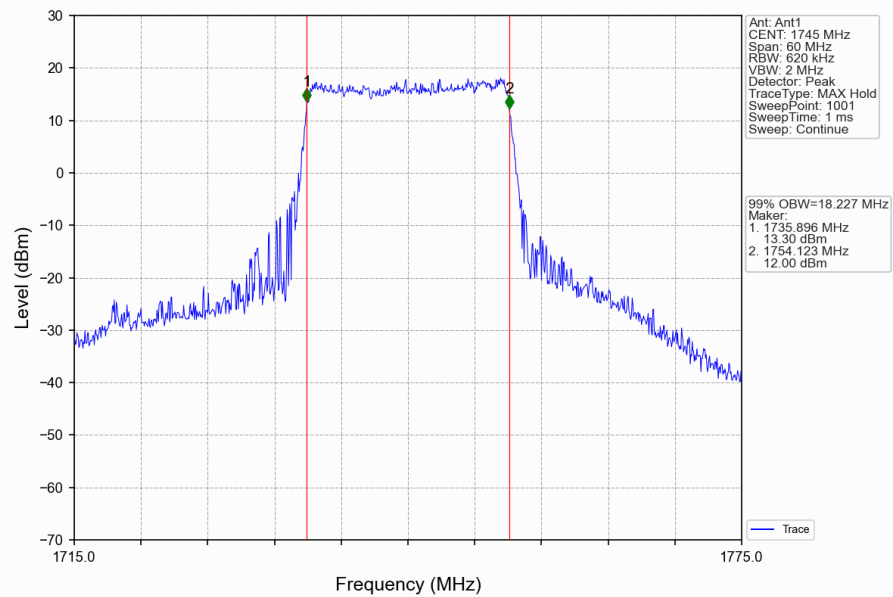
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

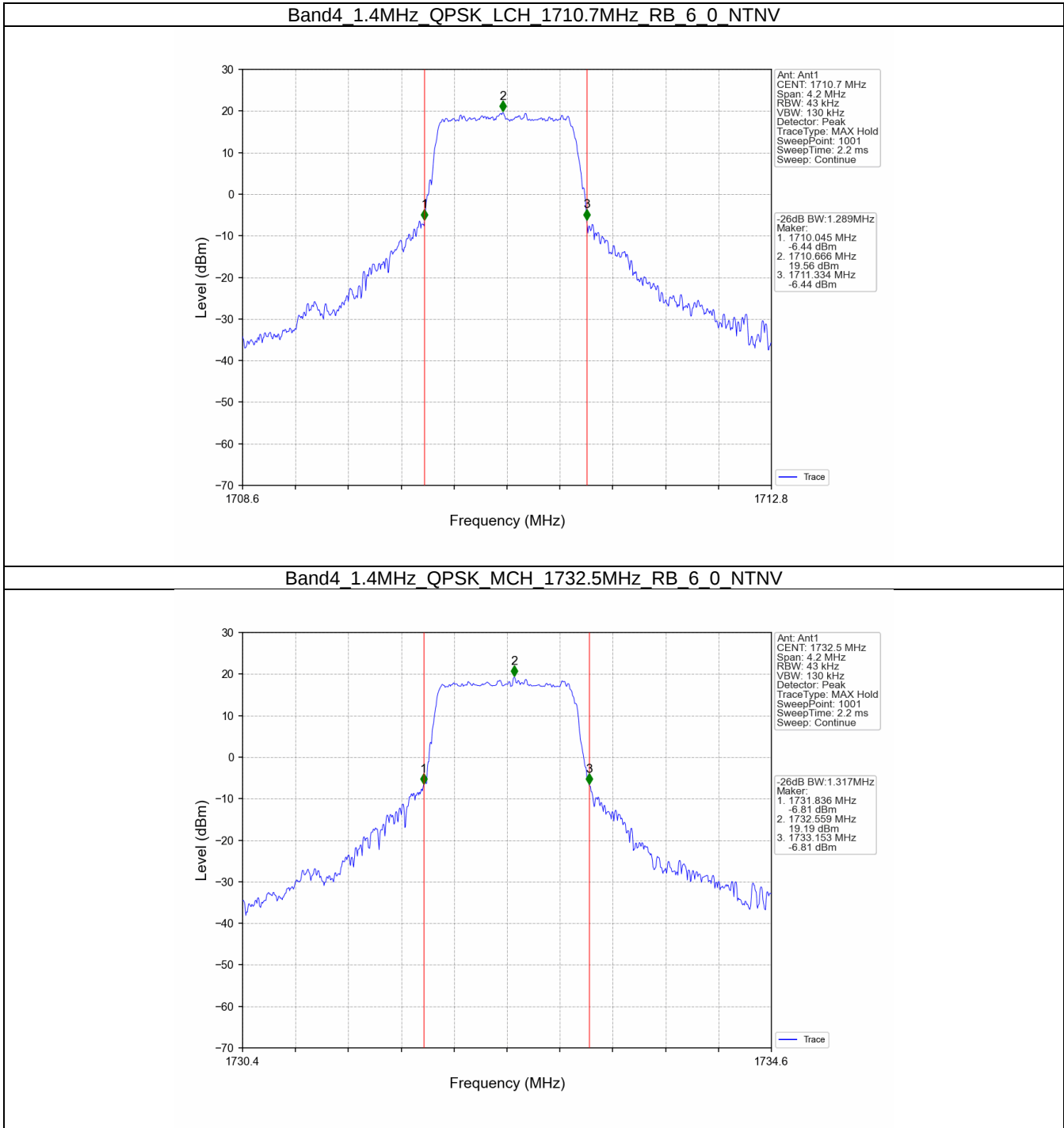


5.2 Band4_XDB

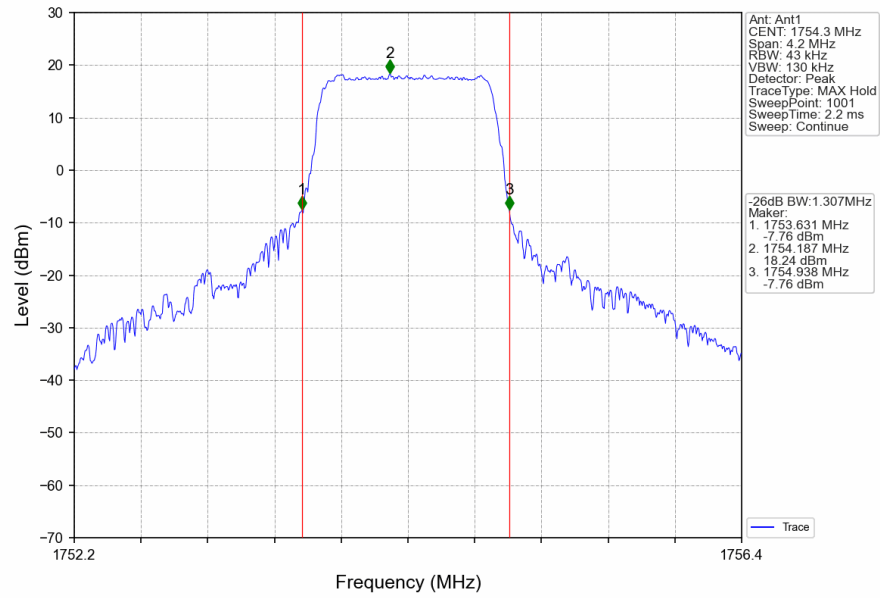
5.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.289	Pass
		1732.5	6	0	1.317	Pass
		1754.3	6	0	1.307	Pass
	16QAM	1710.7	6	0	1.338	Pass
		1732.5	6	0	1.301	Pass
		1754.3	6	0	1.272	Pass
3	QPSK	1711.5	15	0	3.168	Pass
		1732.5	15	0	3.103	Pass
		1753.5	15	0	3.141	Pass
	16QAM	1711.5	15	0	3.323	Pass
		1732.5	15	0	3.098	Pass
		1753.5	15	0	3.295	Pass
5	QPSK	1712.5	25	0	5.479	Pass
		1732.5	25	0	5.531	Pass
		1752.5	25	0	5.942	Pass
	16QAM	1712.5	25	0	5.573	Pass
		1732.5	25	0	5.692	Pass
		1752.5	25	0	5.793	Pass
10	QPSK	1715	50	0	10.341	Pass
		1732.5	50	0	10.436	Pass
		1750	50	0	10.494	Pass
	16QAM	1715	50	0	10.294	Pass
		1732.5	50	0	10.123	Pass
		1750	50	0	10.652	Pass
15	QPSK	1717.5	75	0	15.775	Pass
		1732.5	75	0	15.330	Pass
		1747.5	75	0	16.596	Pass
	16QAM	1717.5	75	0	15.147	Pass
		1732.5	75	0	15.476	Pass
		1747.5	75	0	15.259	Pass
20	QPSK	1720	100	0	20.555	Pass
		1732.5	100	0	20.744	Pass
		1745	100	0	21.150	Pass
	16QAM	1720	100	0	20.208	Pass
		1732.5	100	0	20.441	Pass
		1745	100	0	21.262	Pass

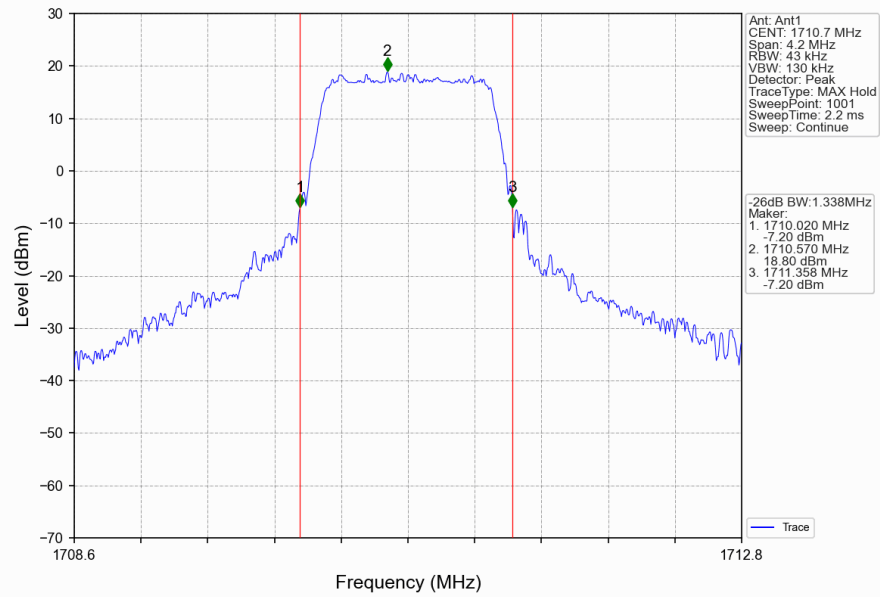
5.2.2 Test Graph



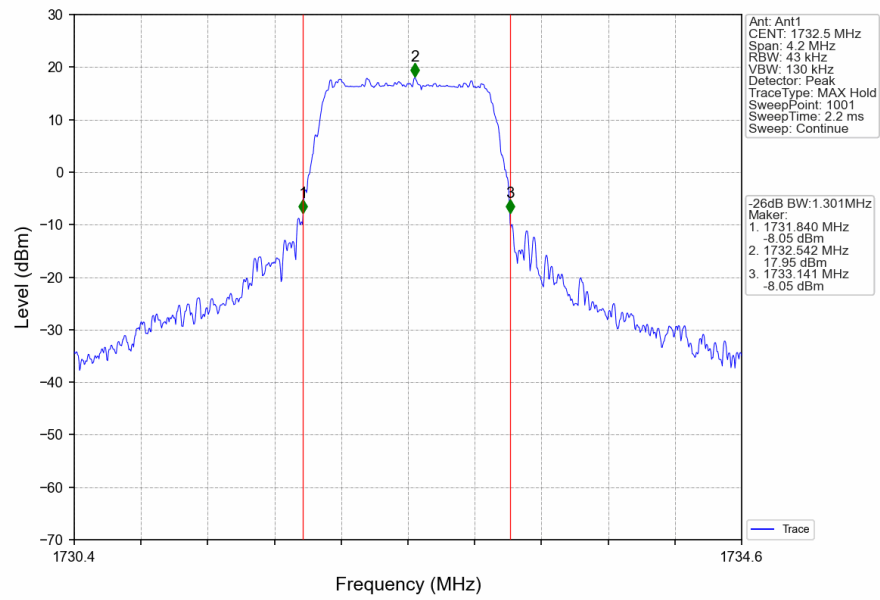
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



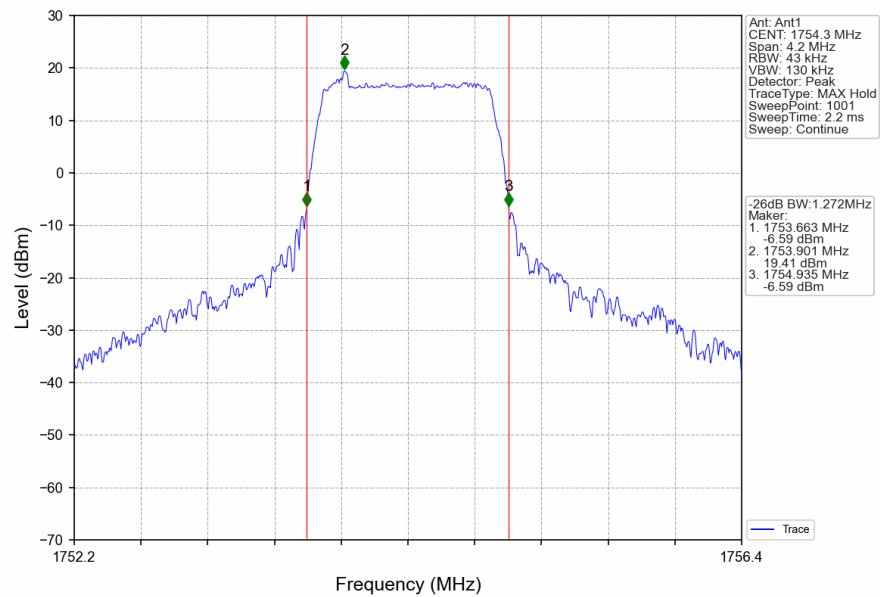
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



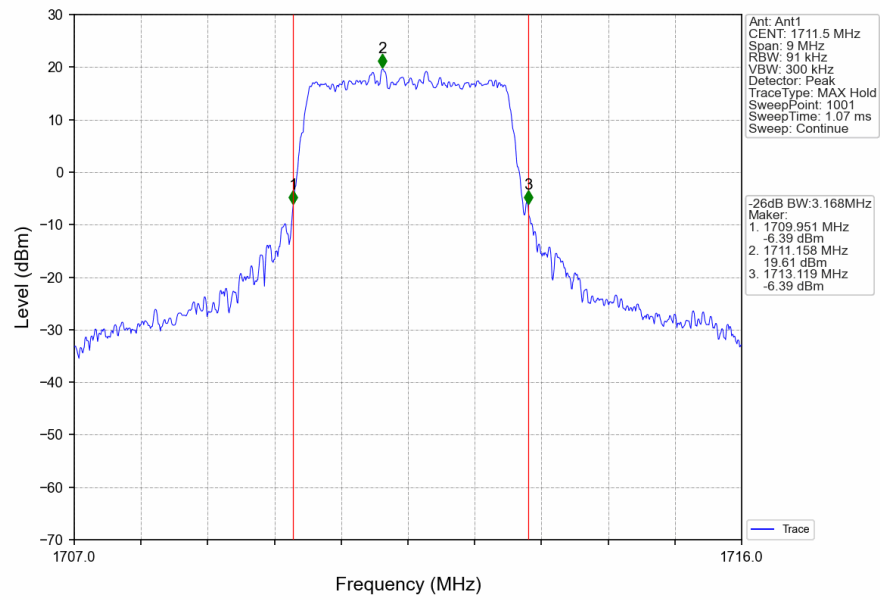
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



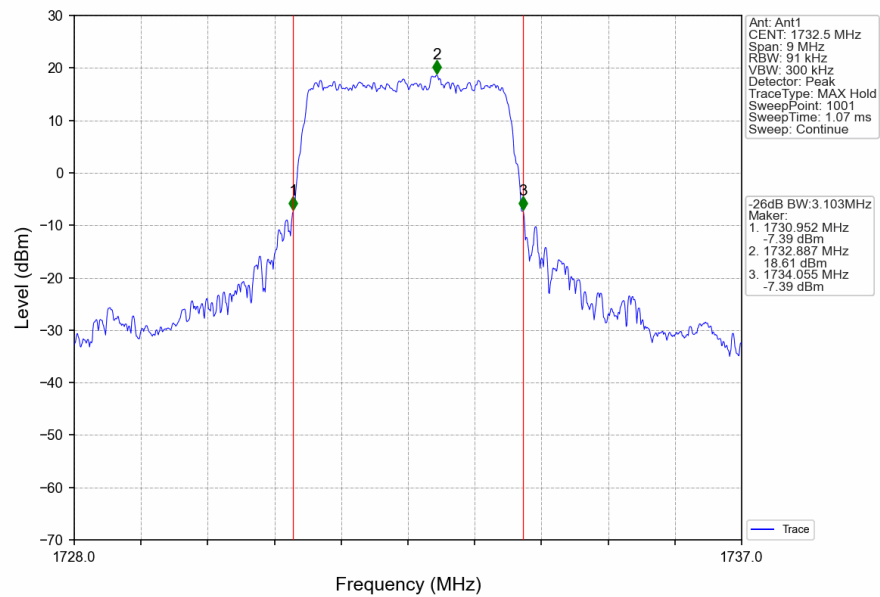
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



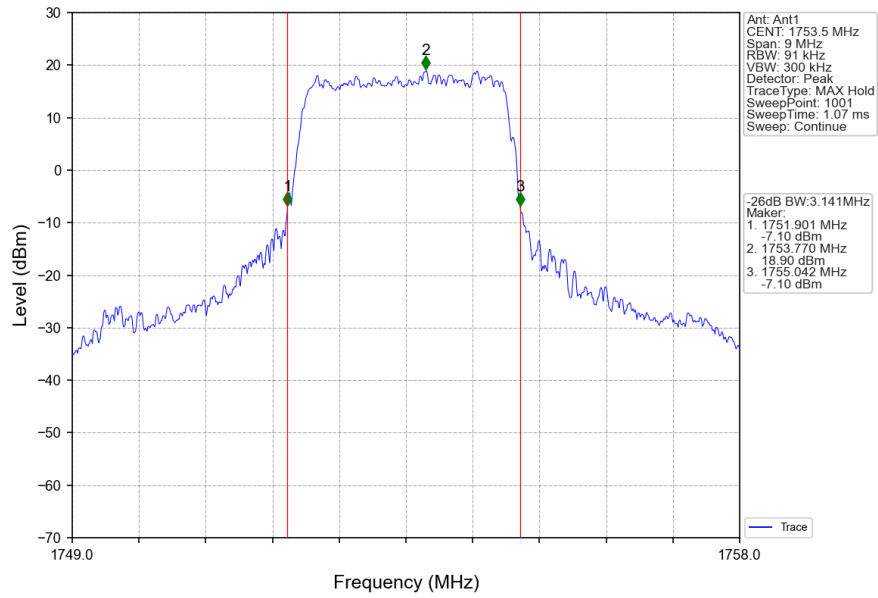
Band4 3MHz QPSK LCH 1711.5MHz RB 15_0 NTNV



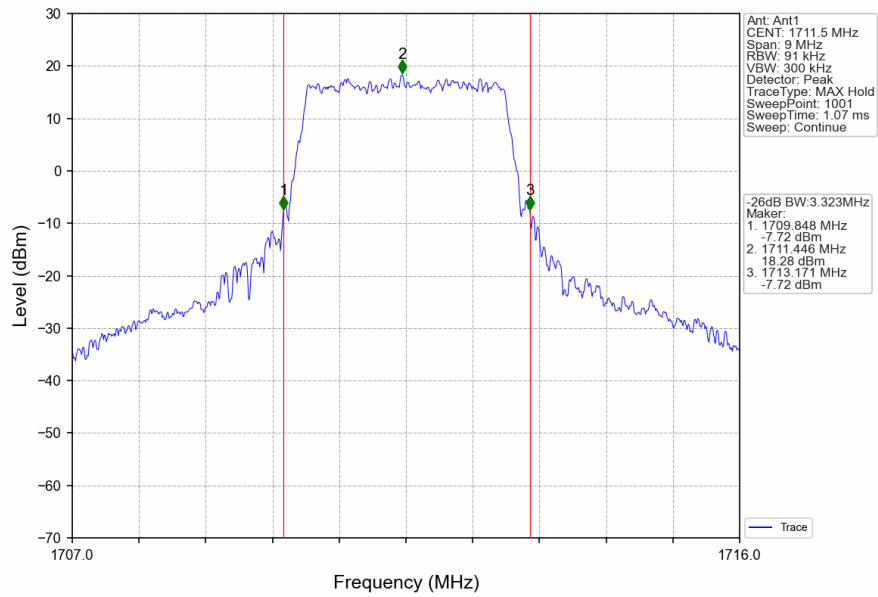
Band4 3MHz QPSK MCH 1732.5MHz RB 15_0 NTNV



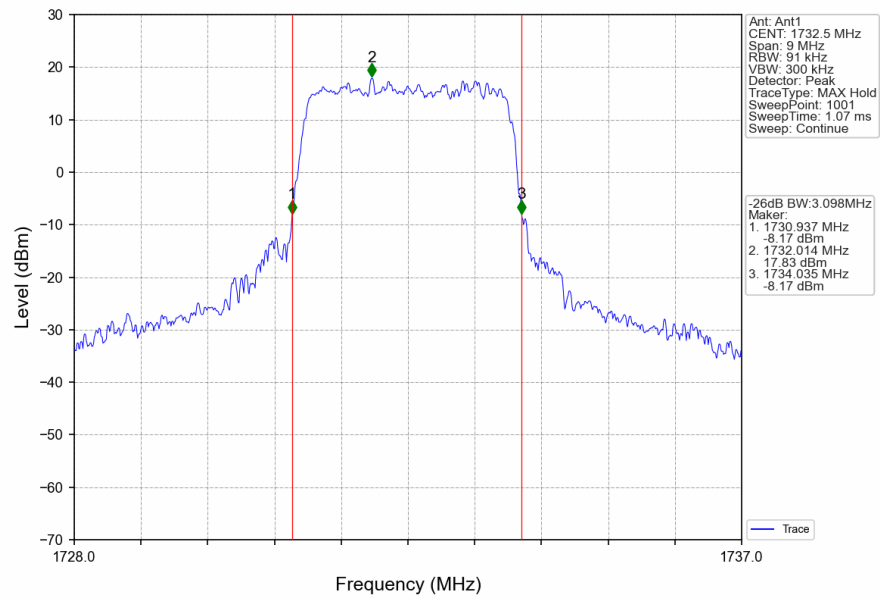
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



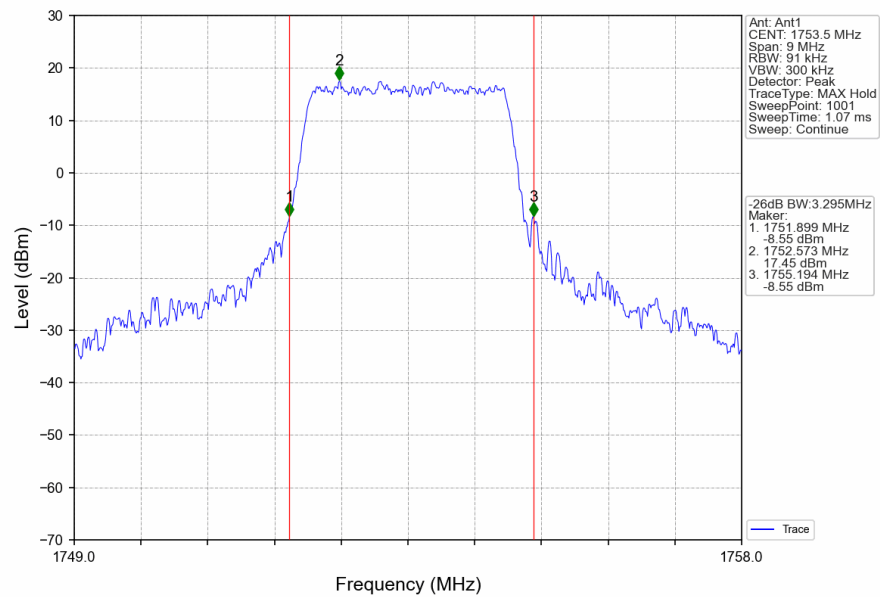
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



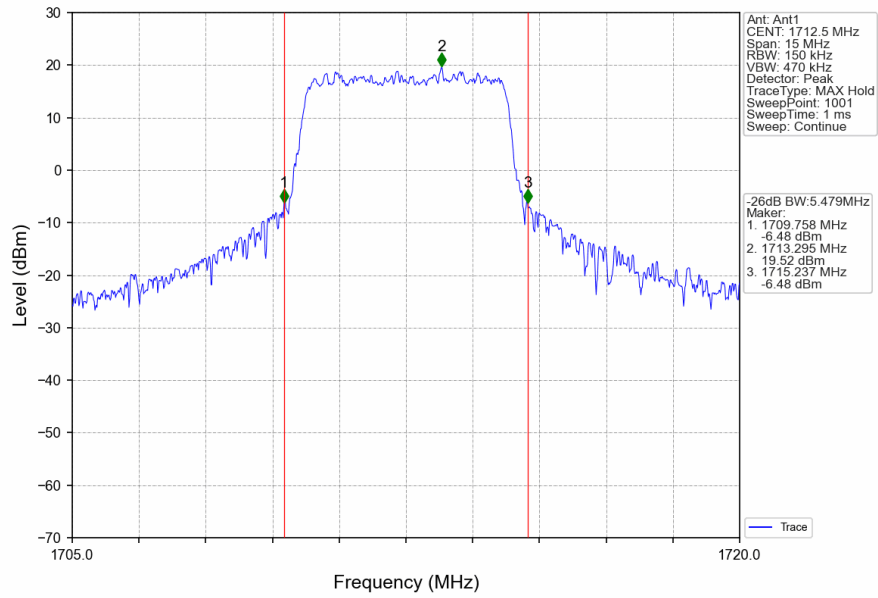
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



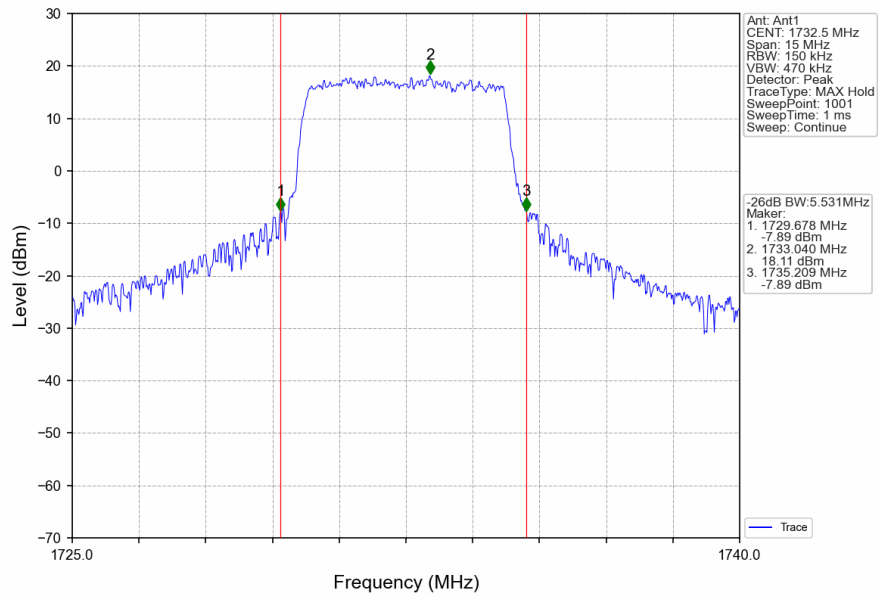
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



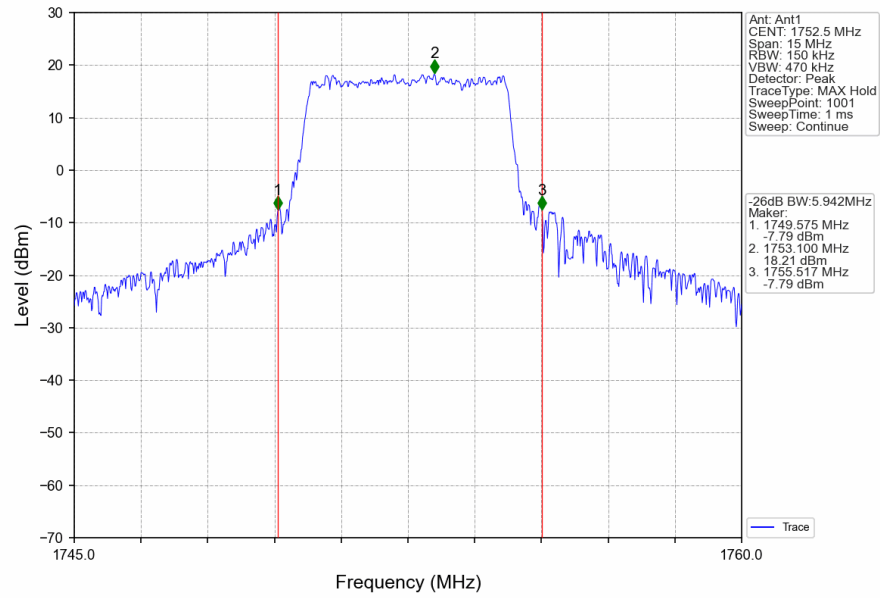
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



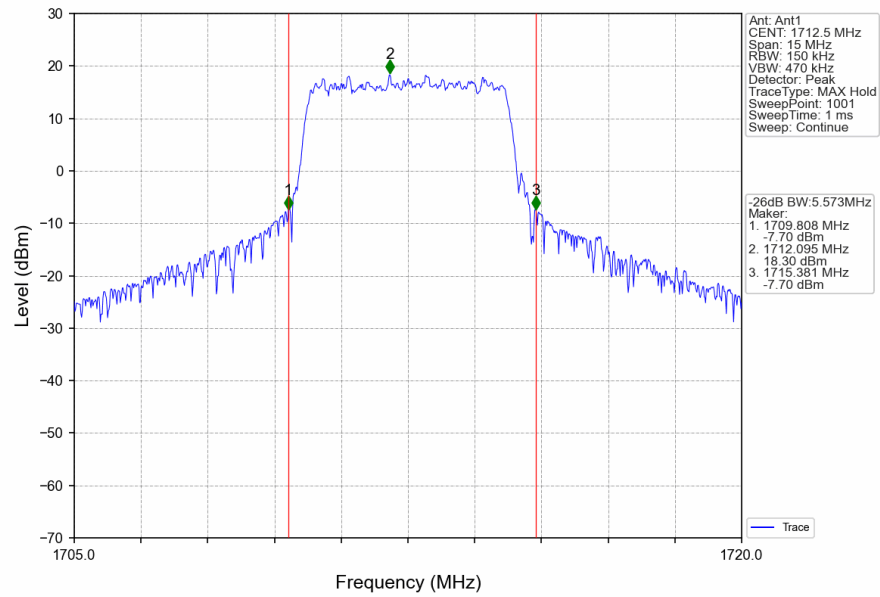
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



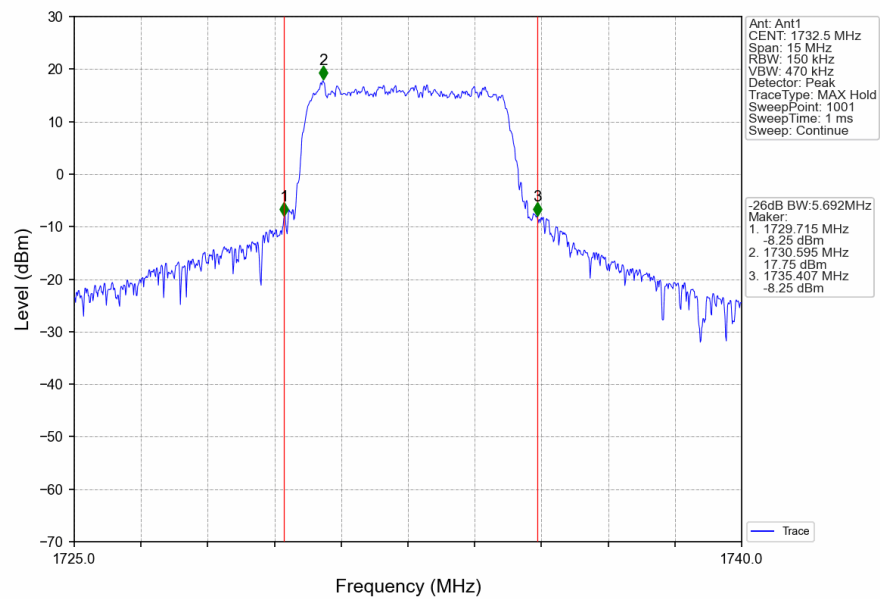
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



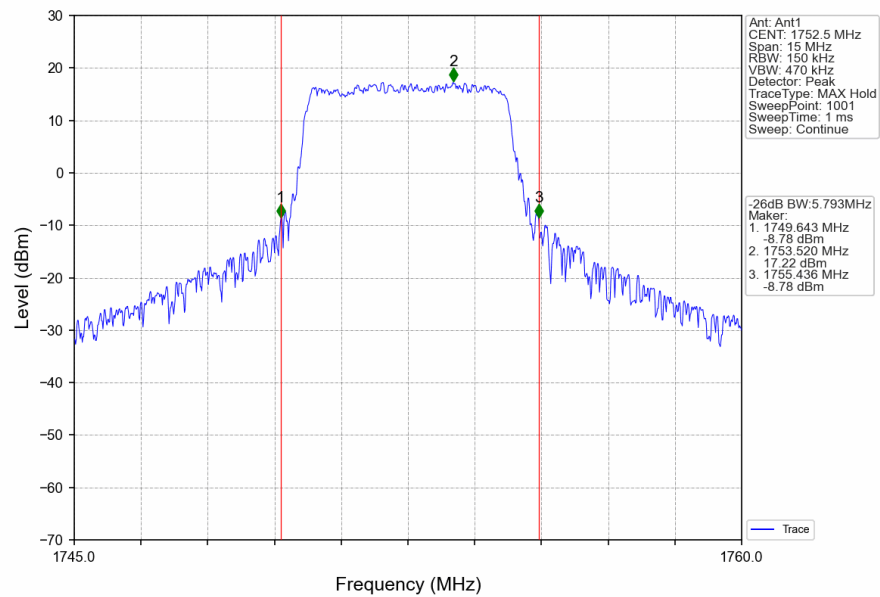
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



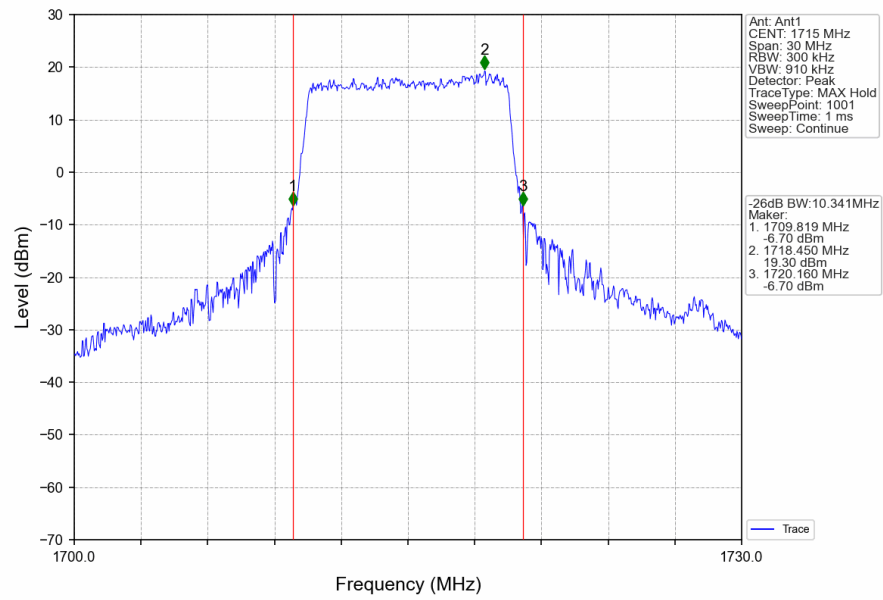
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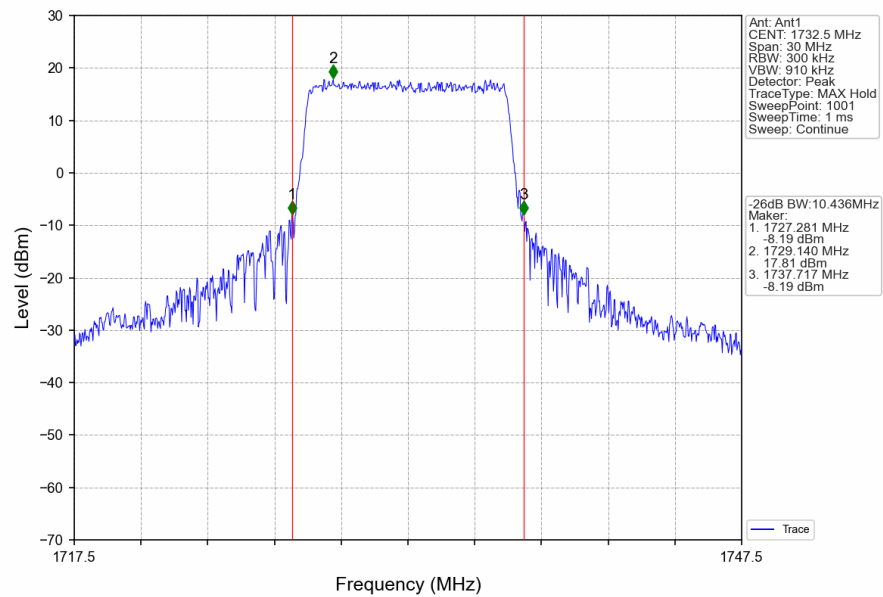
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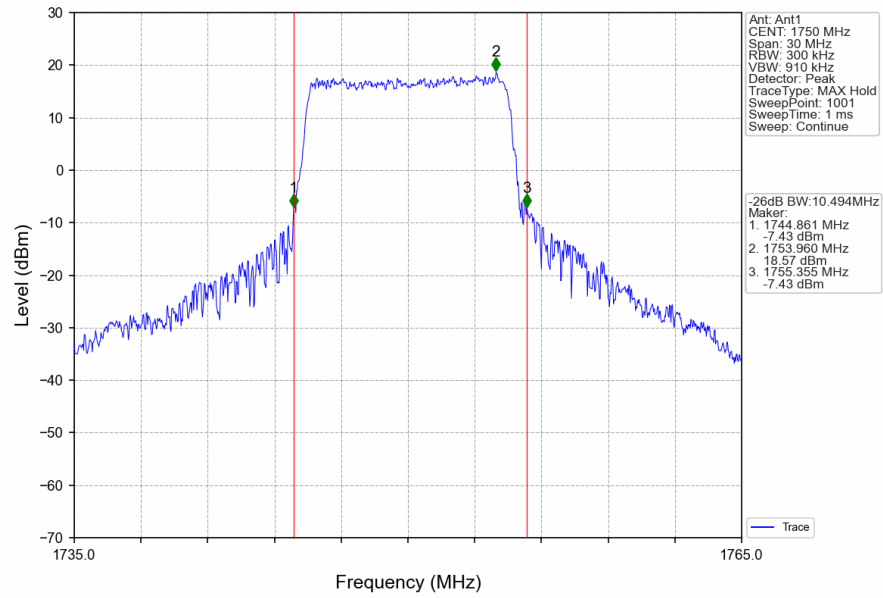
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



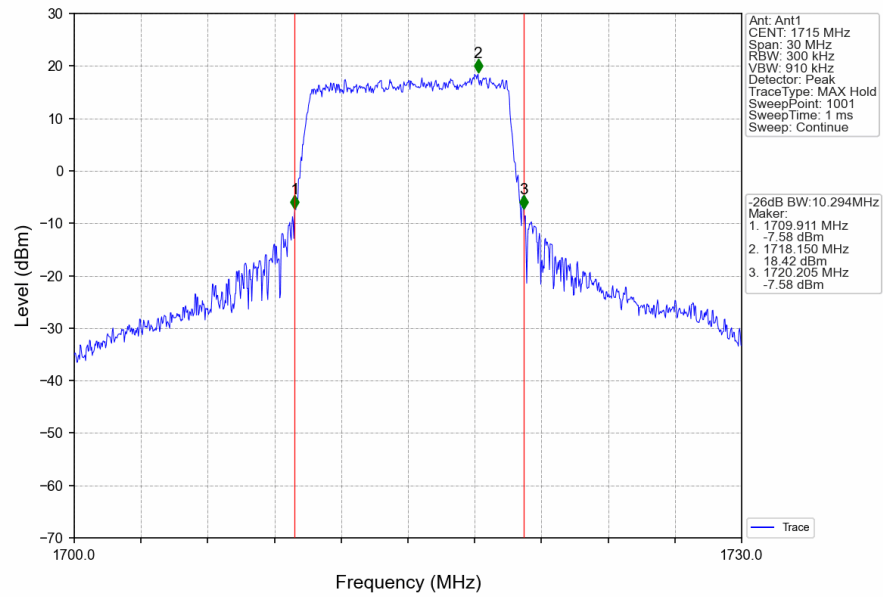
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN



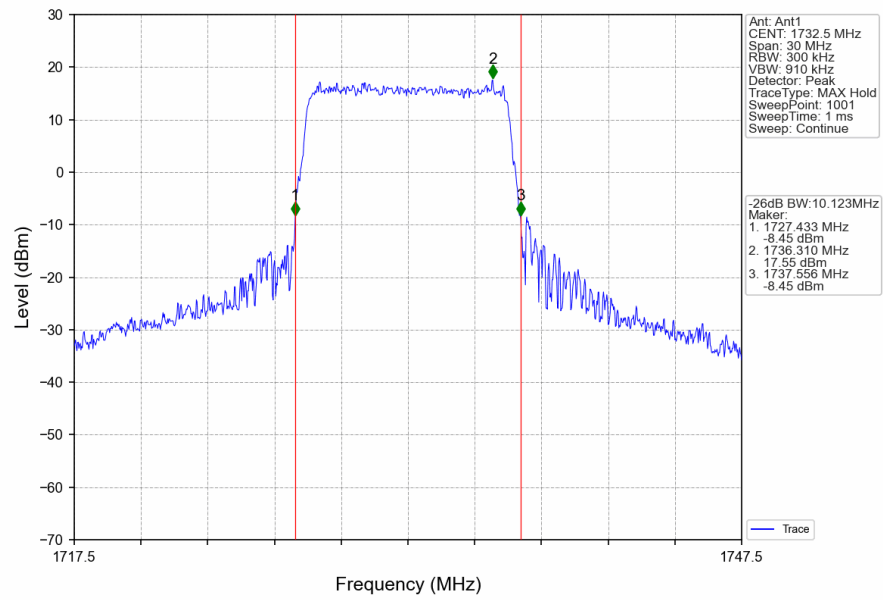
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



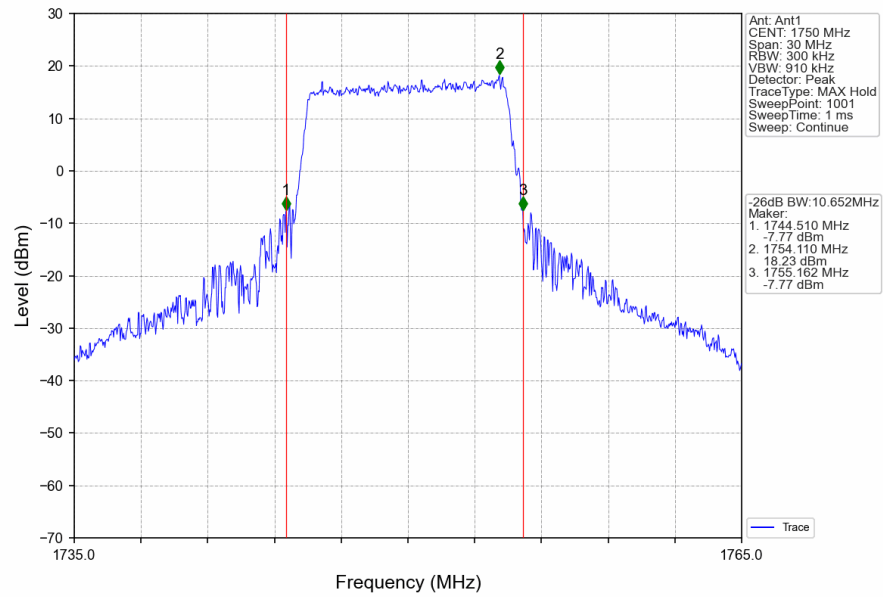
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



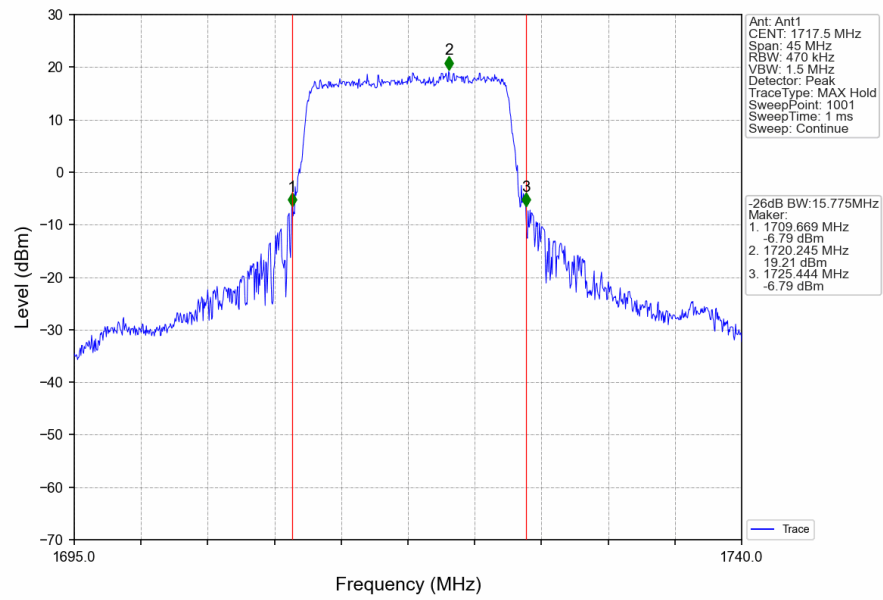
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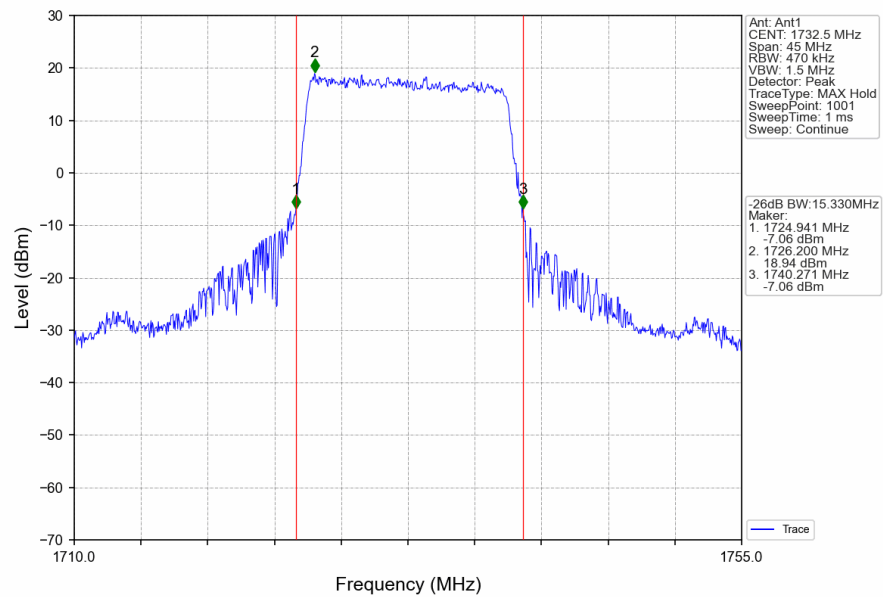
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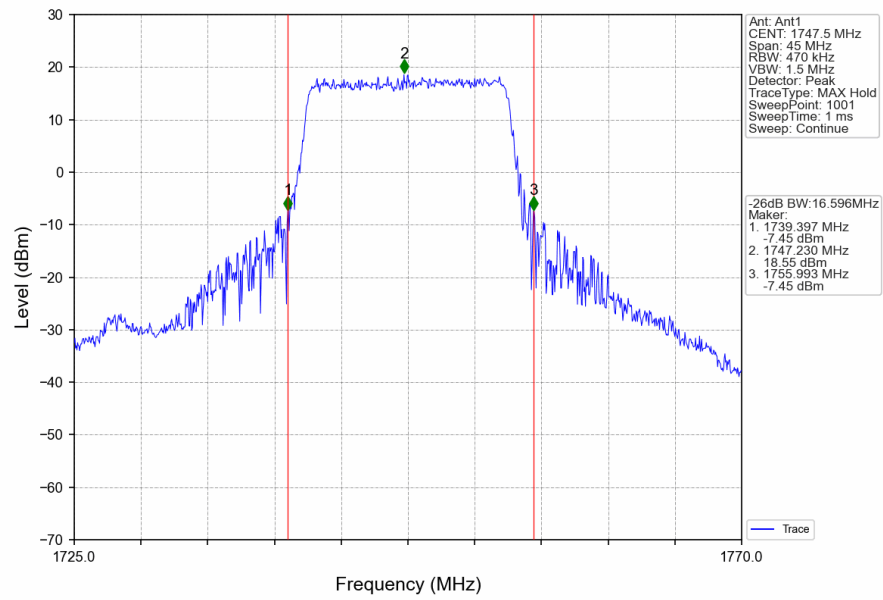
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



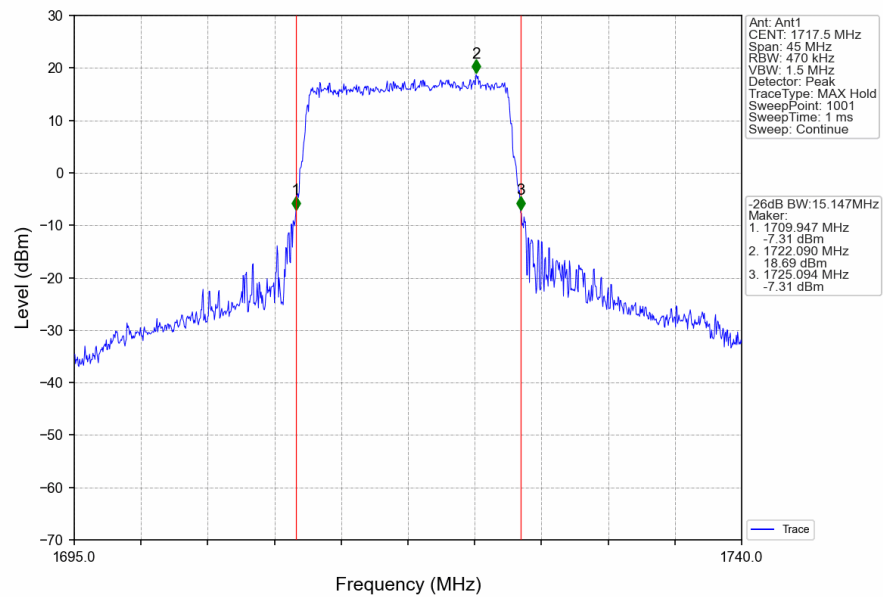
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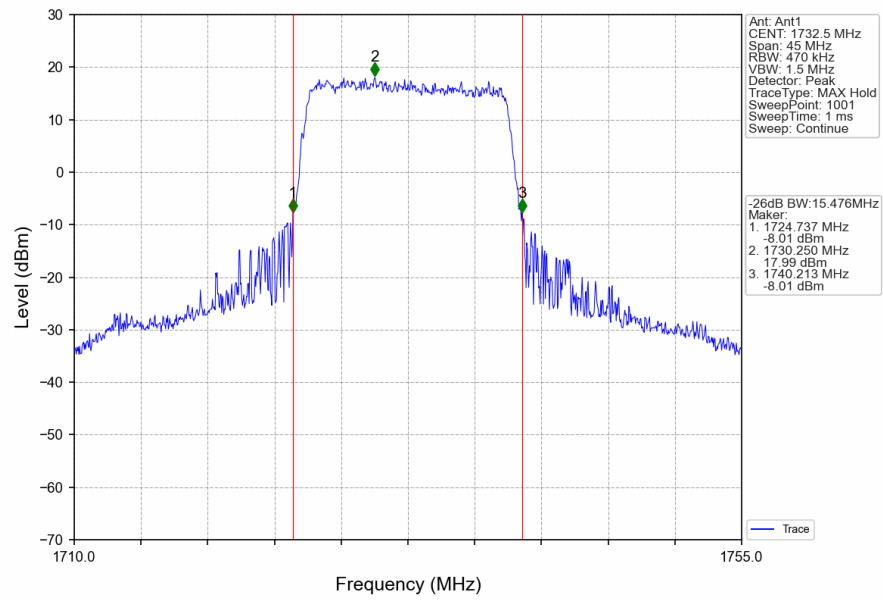
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



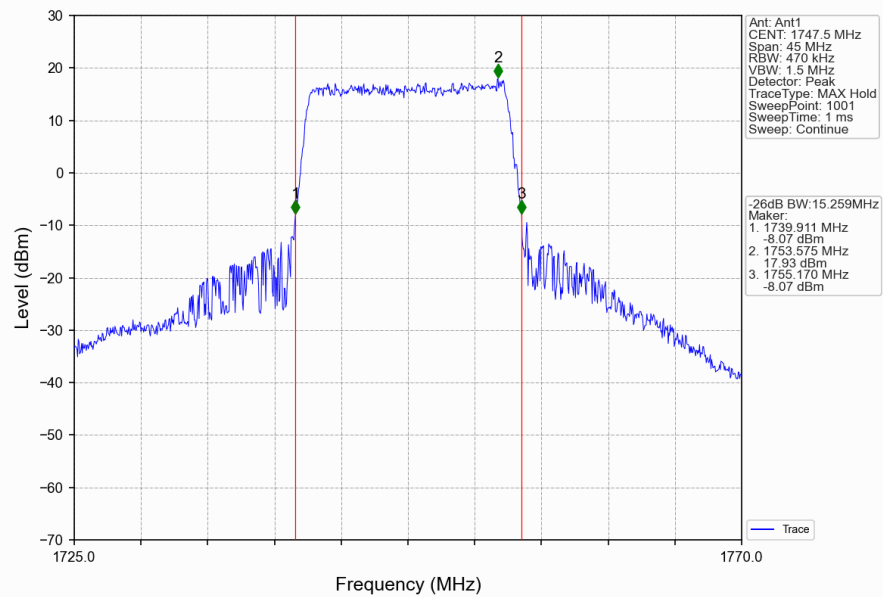
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



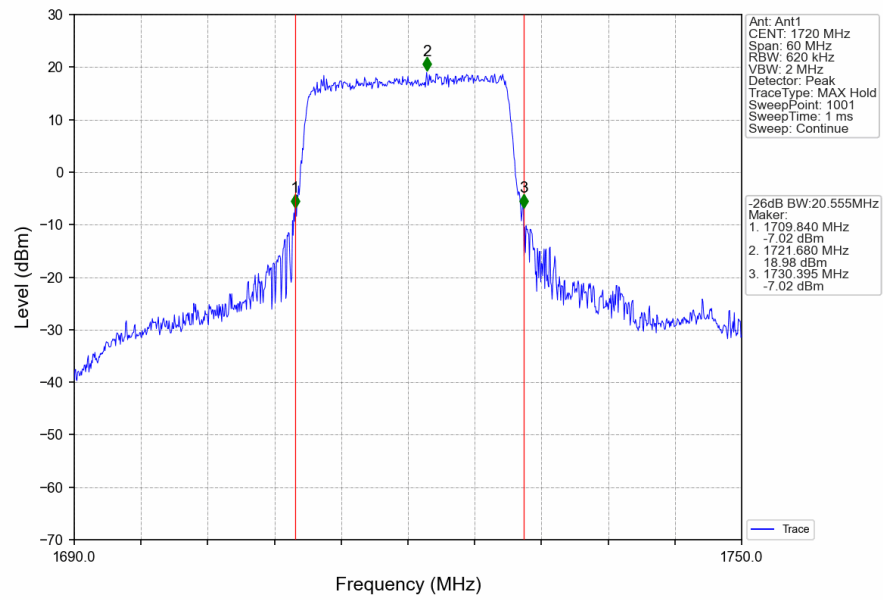
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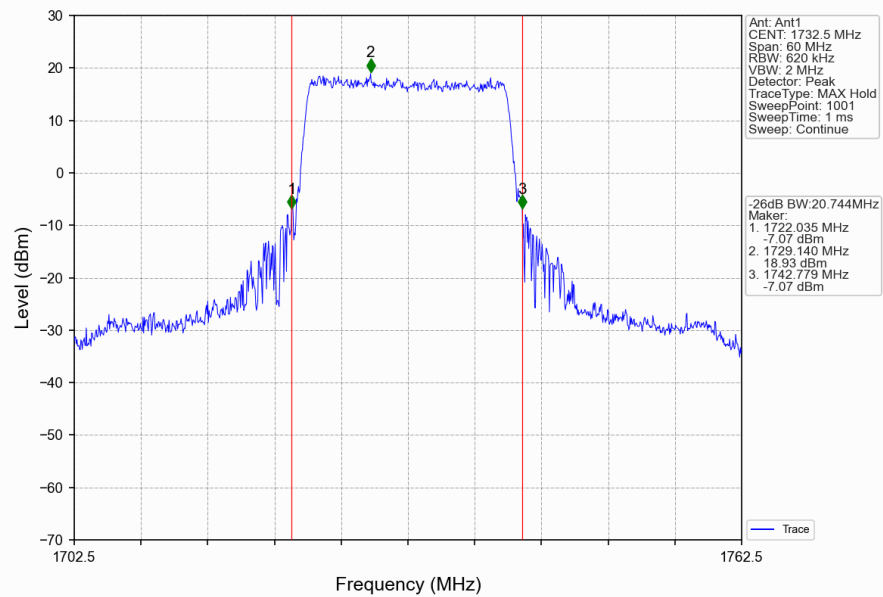
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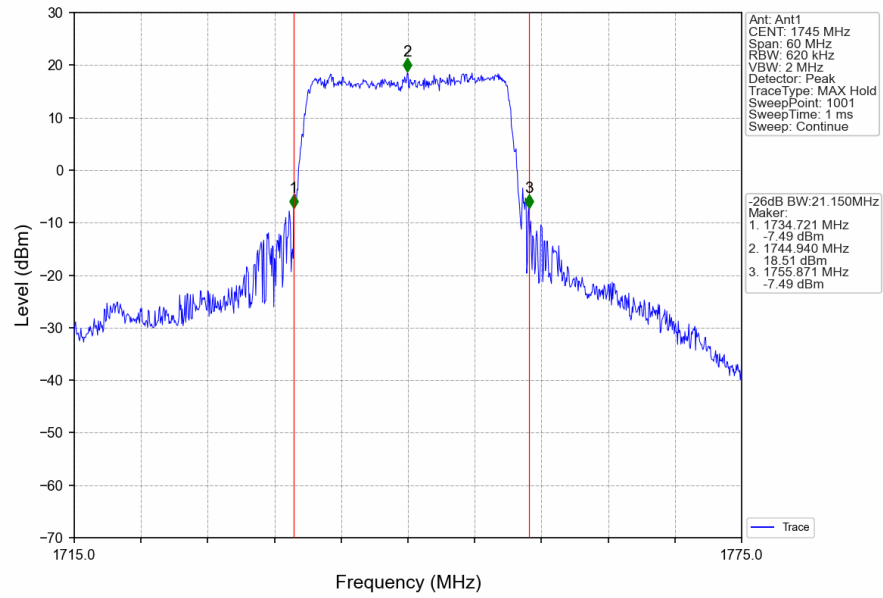
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



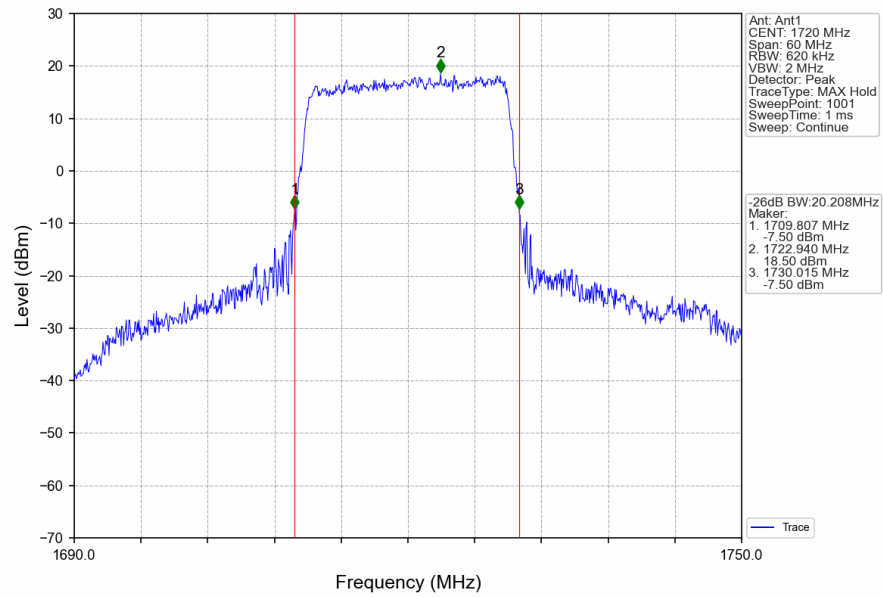
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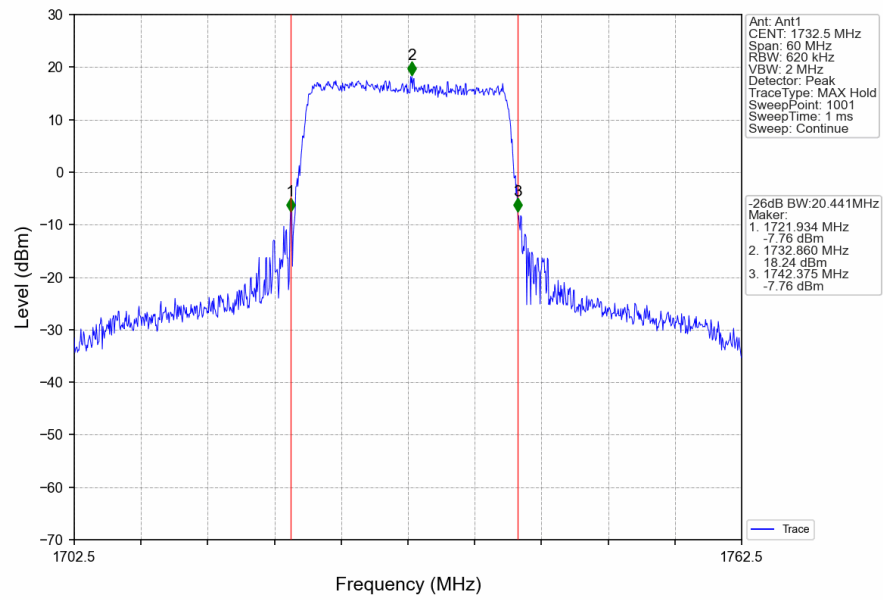
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



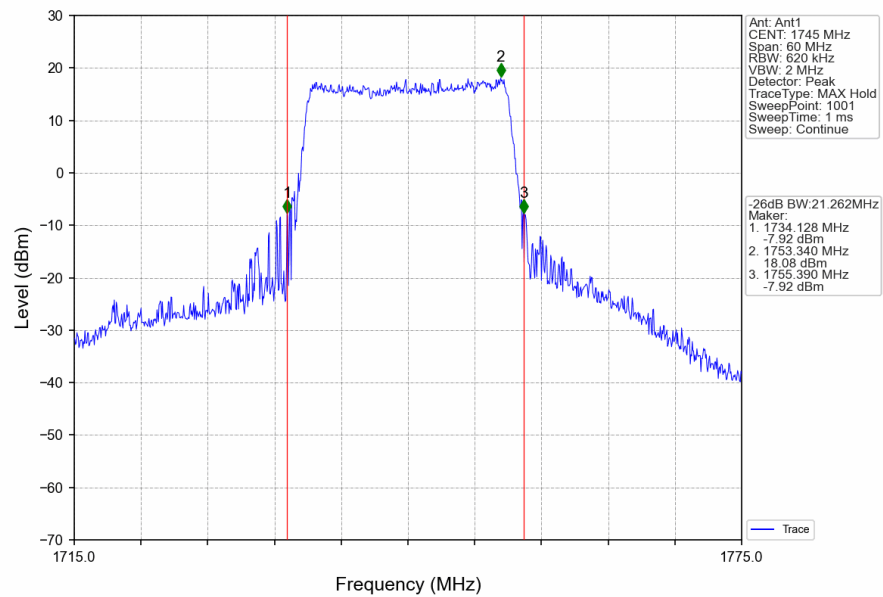
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



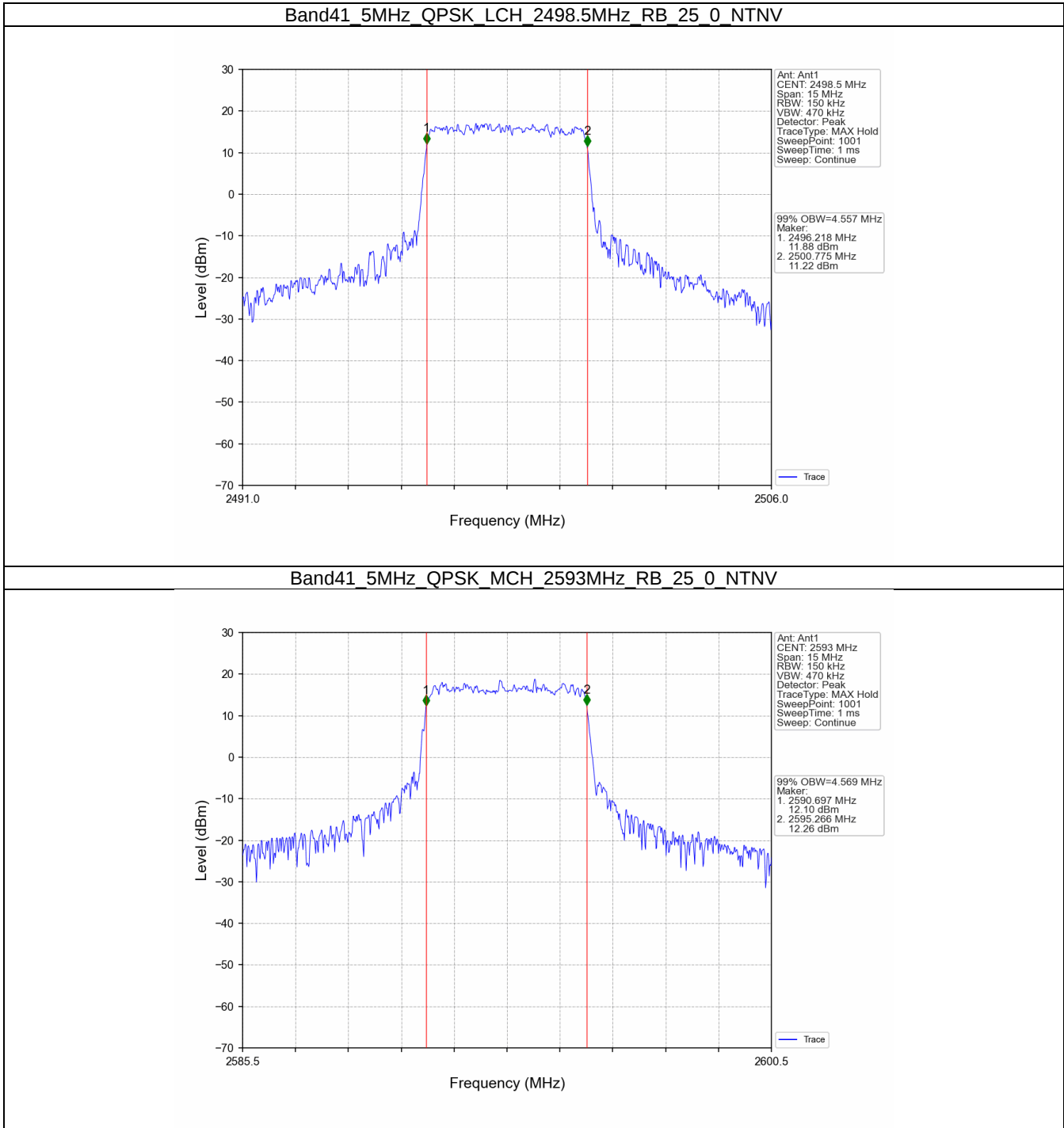
6. 99% & 26dB Bandwidth

6.1 Band41_OBW

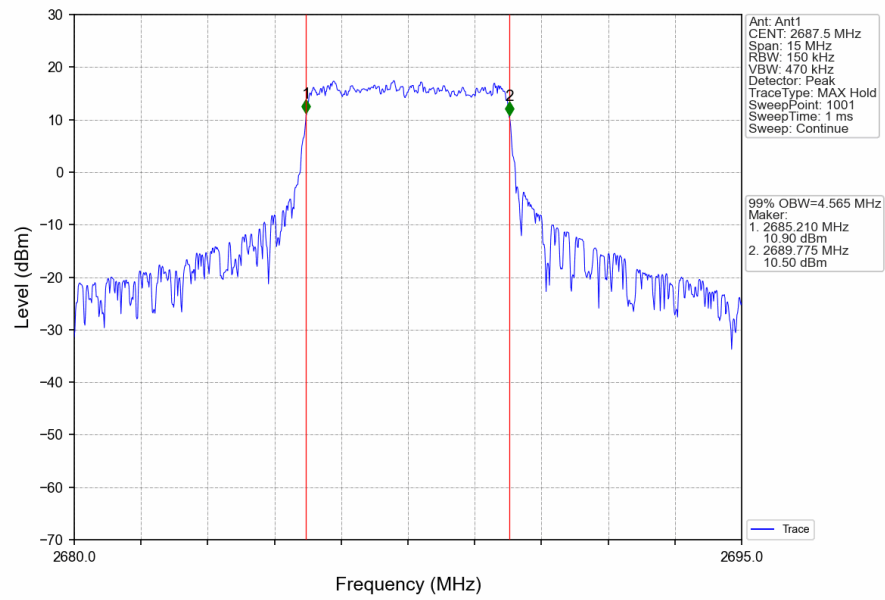
6.1.1 Test Result

Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	4.557	Pass
		2593	25	0	4.569	Pass
		2687.5	25	0	4.565	Pass
	16QAM	2498.5	25	0	4.600	Pass
		2593	25	0	4.578	Pass
		2687.5	25	0	4.577	Pass
10	QPSK	2501	50	0	9.098	Pass
		2593	50	0	9.045	Pass
		2685	50	0	9.078	Pass
	16QAM	2501	50	0	9.110	Pass
		2593	50	0	9.070	Pass
		2685	50	0	9.022	Pass
15	QPSK	2503.5	75	0	13.570	Pass
		2593	75	0	13.584	Pass
		2682.5	75	0	13.628	Pass
	16QAM	2503.5	75	0	13.649	Pass
		2593	75	0	13.651	Pass
		2682.5	75	0	13.657	Pass
20	QPSK	2506	100	0	18.195	Pass
		2593	100	0	18.036	Pass
		2680	100	0	18.162	Pass
	16QAM	2506	100	0	18.233	Pass
		2593	100	0	18.157	Pass
		2680	100	0	18.160	Pass

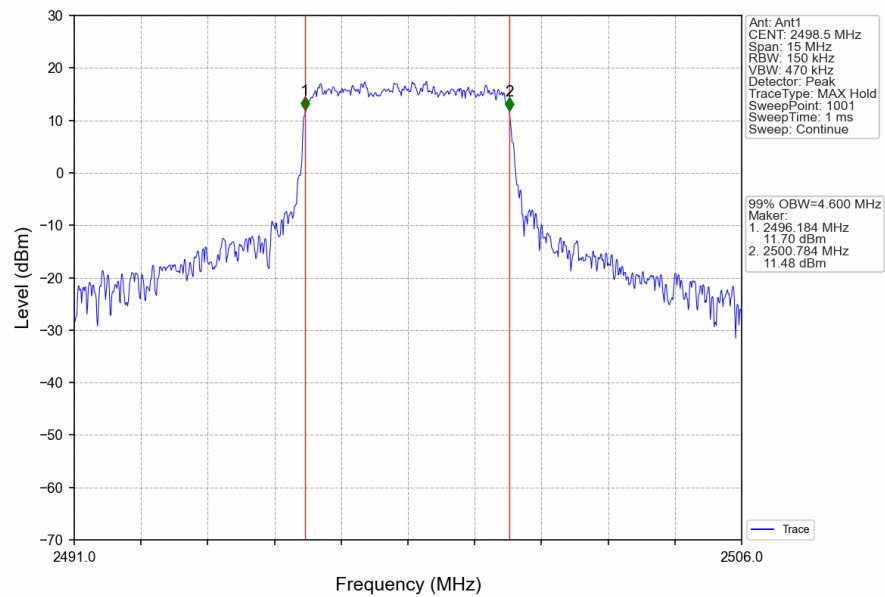
6.1.2 Test Graph



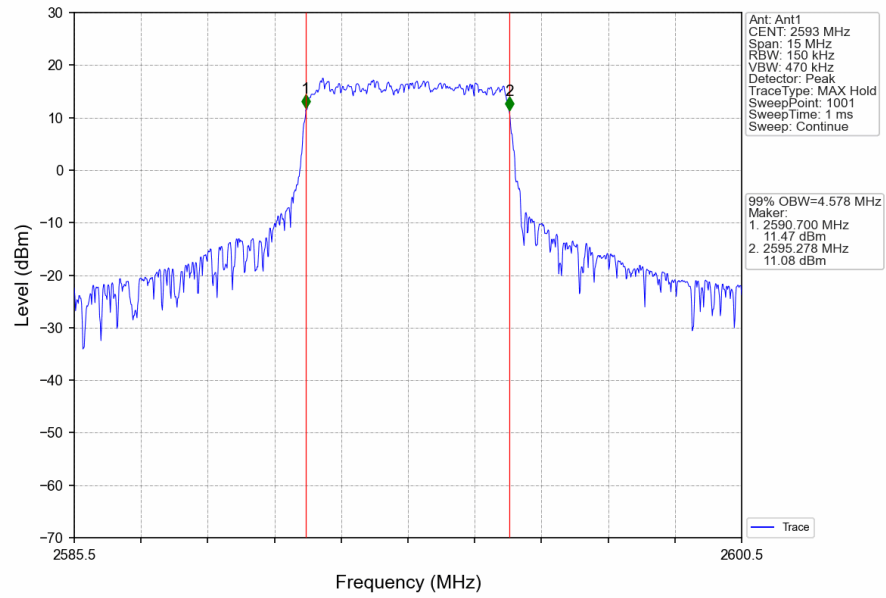
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



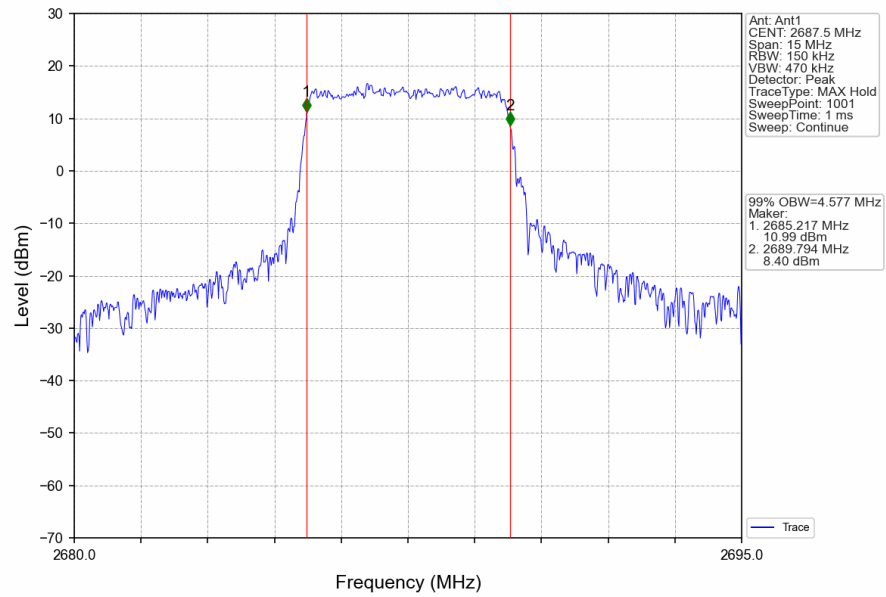
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



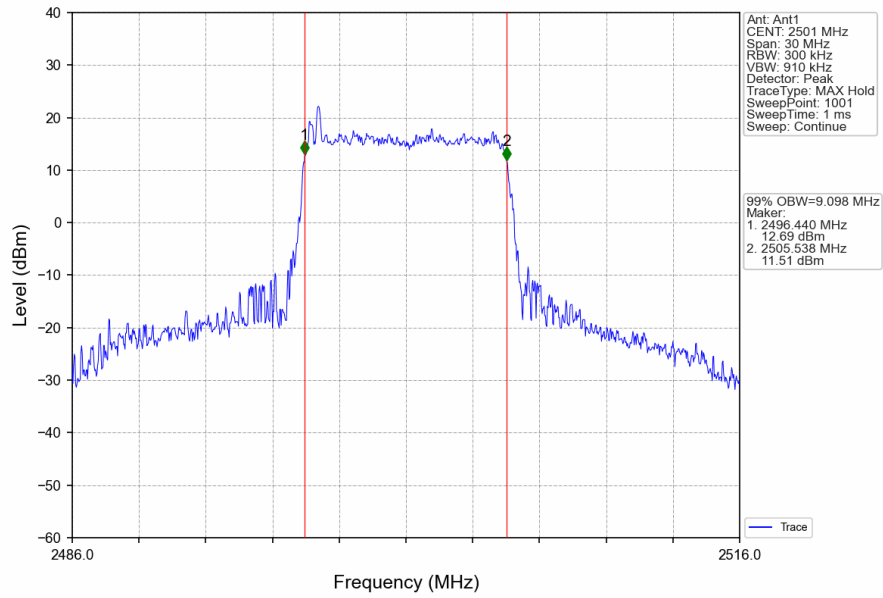
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



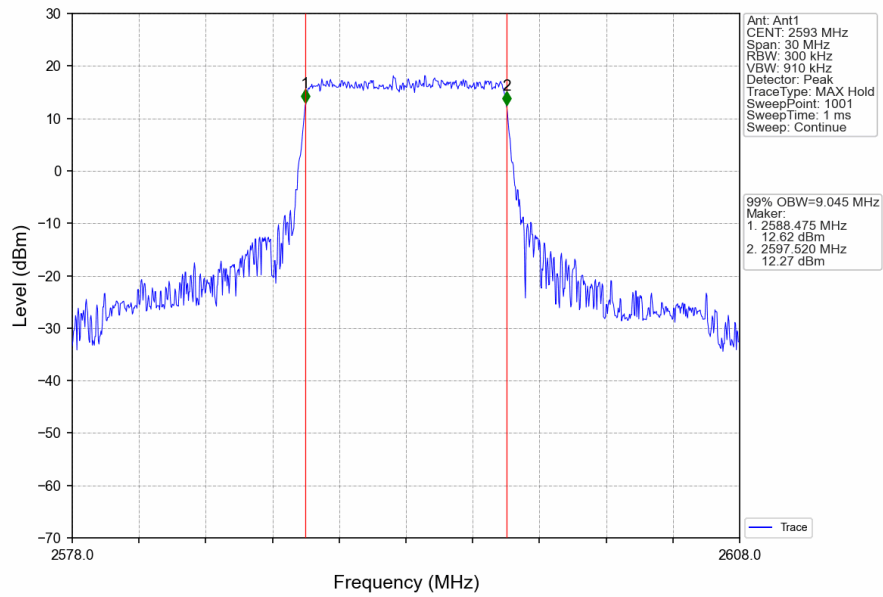
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



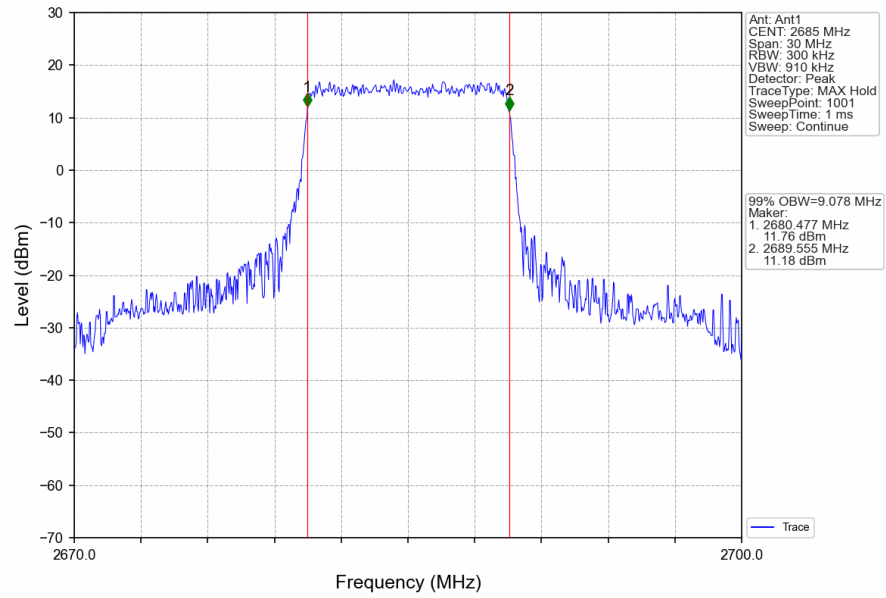
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV

