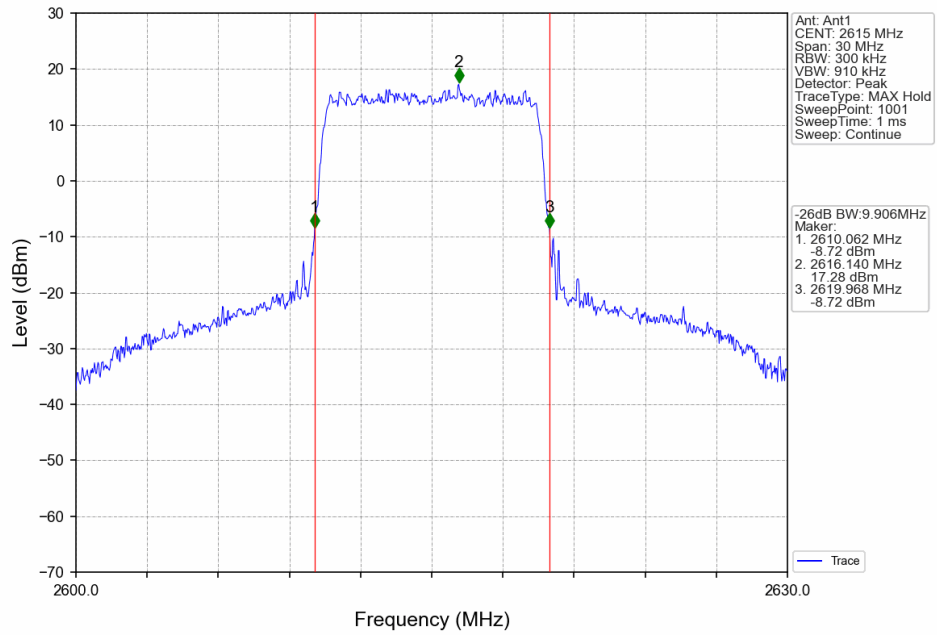
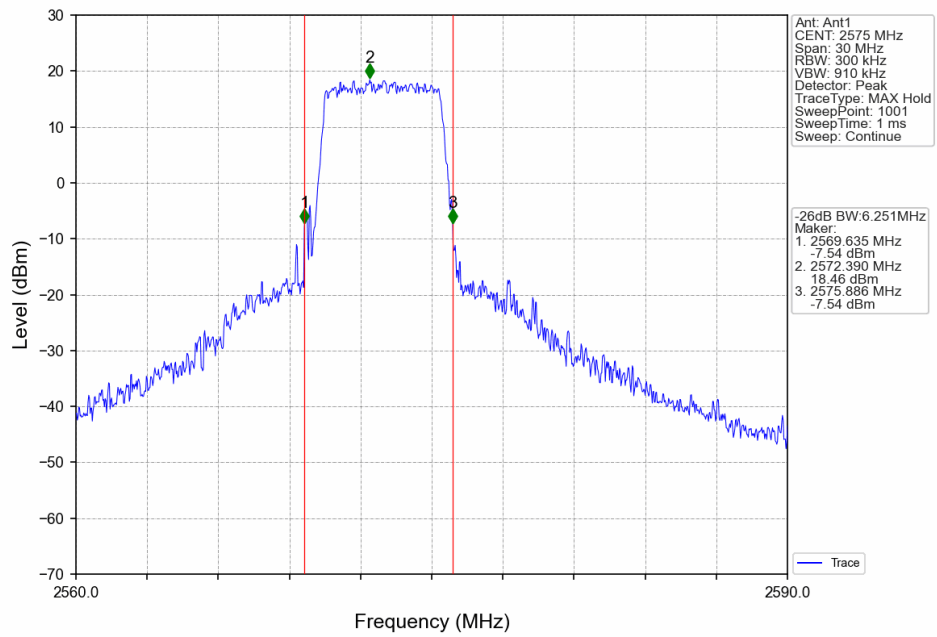


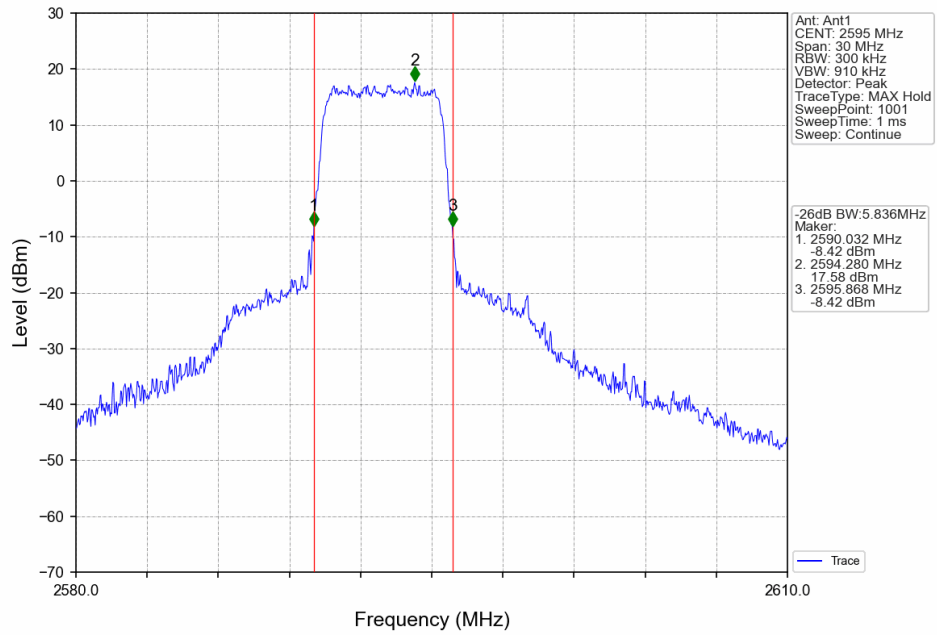
Band38 10MHz QPSK HCH 2615MHz RB 50 0 NTNV



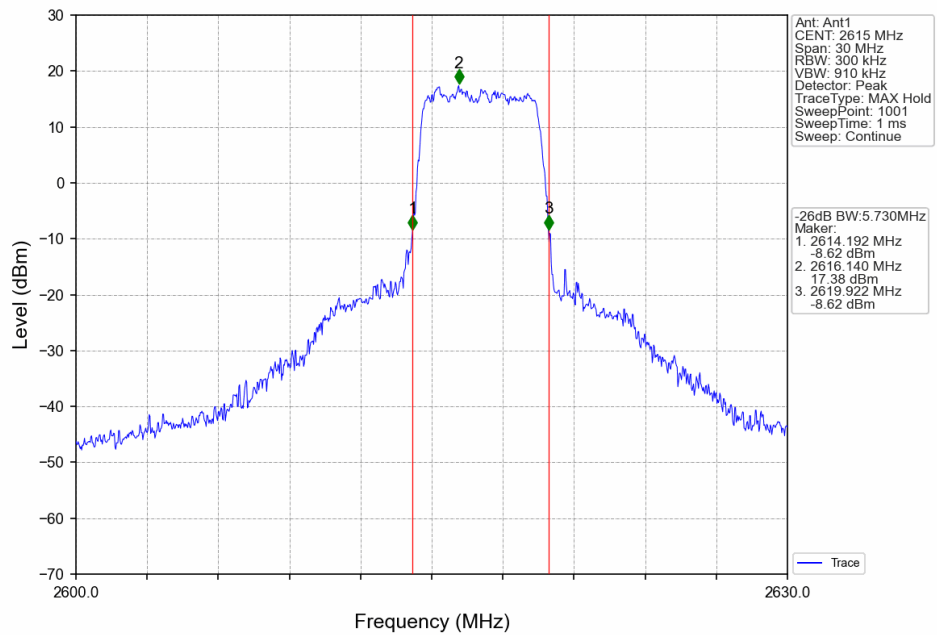
Band38 10MHz 16QAM LCH 2575MHz RB 27 0 NTNV



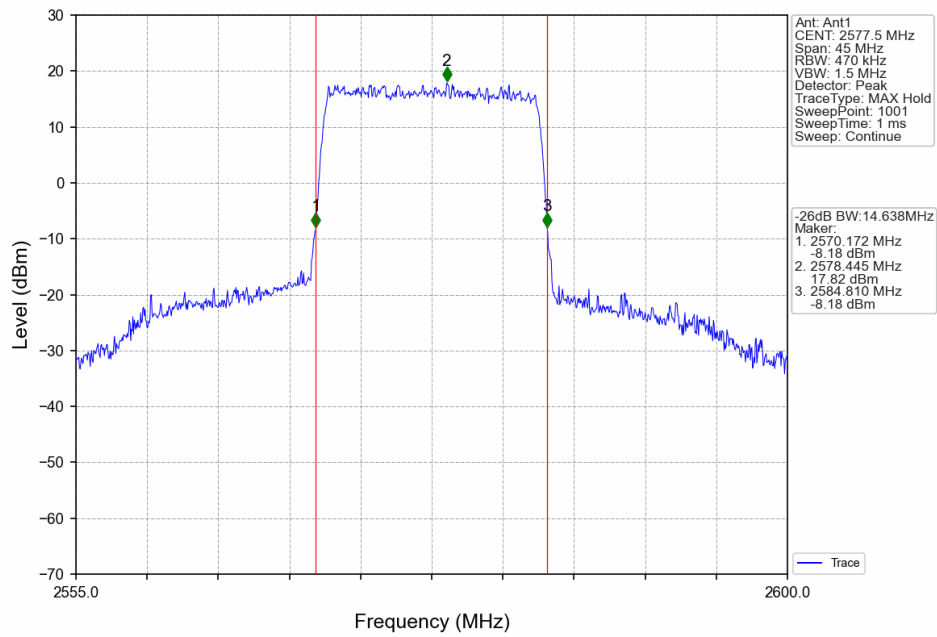
Band38 10MHz 16QAM MCH 2595MHz RB 27 0 NTNV



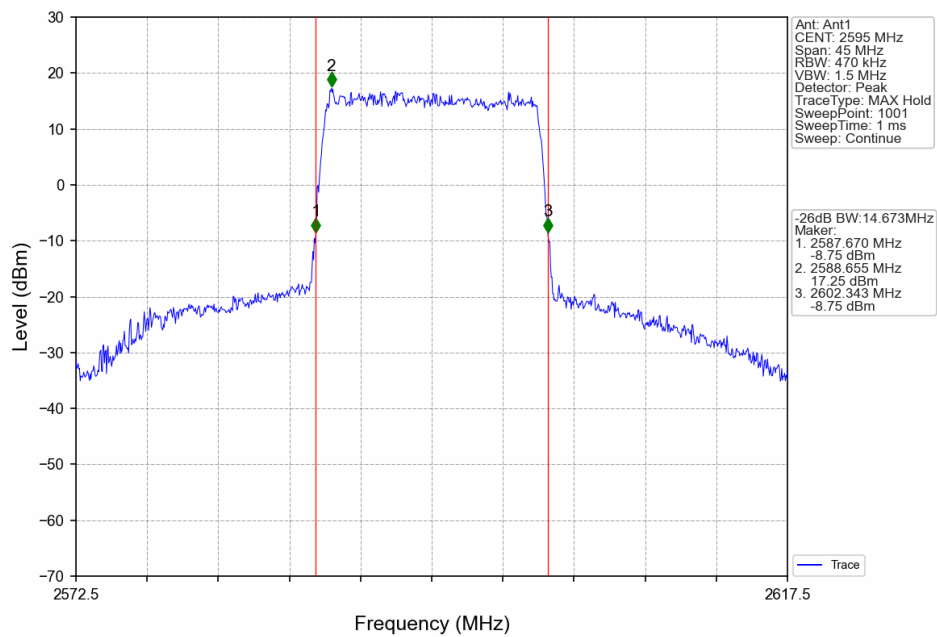
Band38 10MHz 16QAM HCH 2615MHz RB 27 23 NTNV



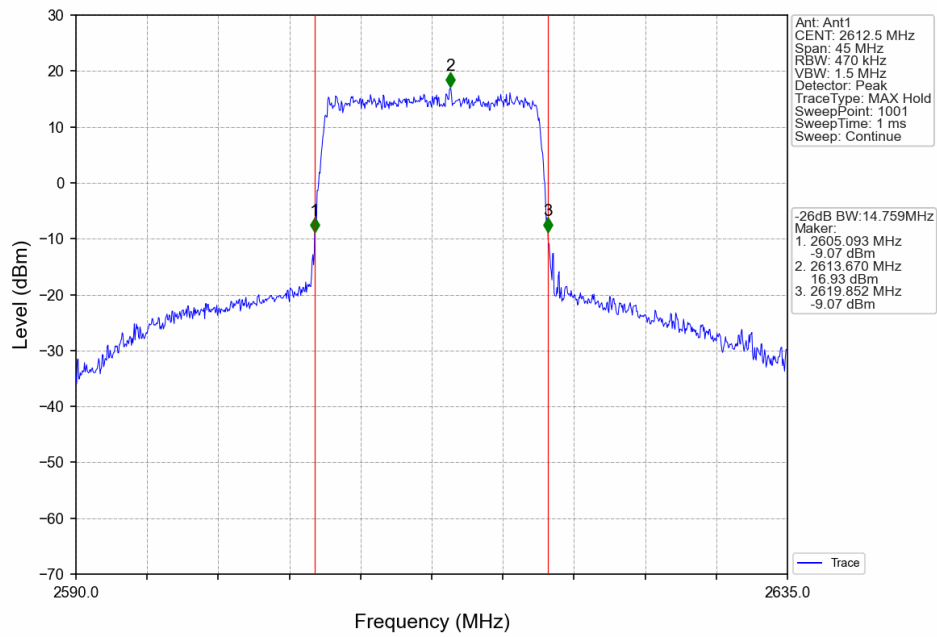
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTN



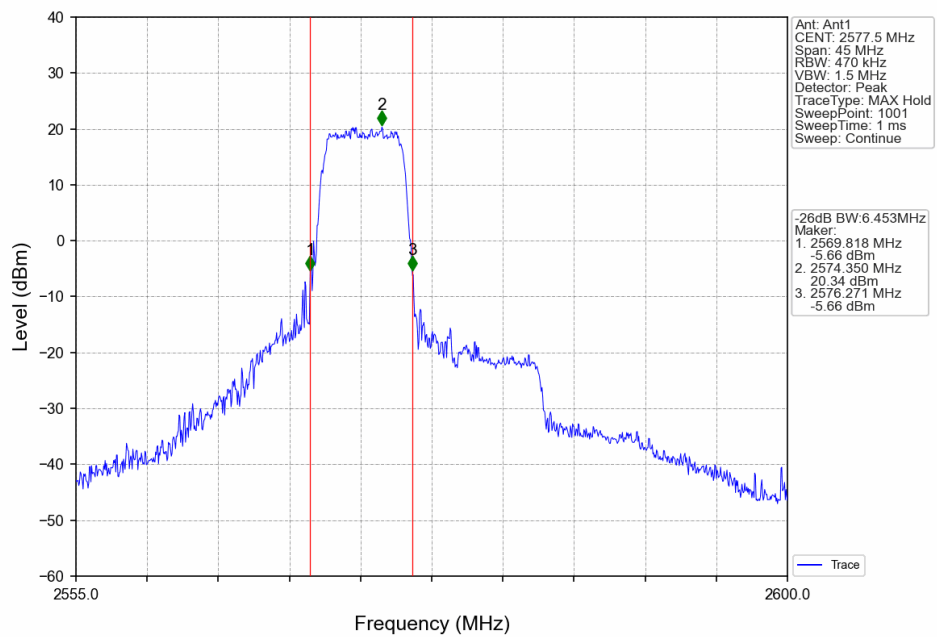
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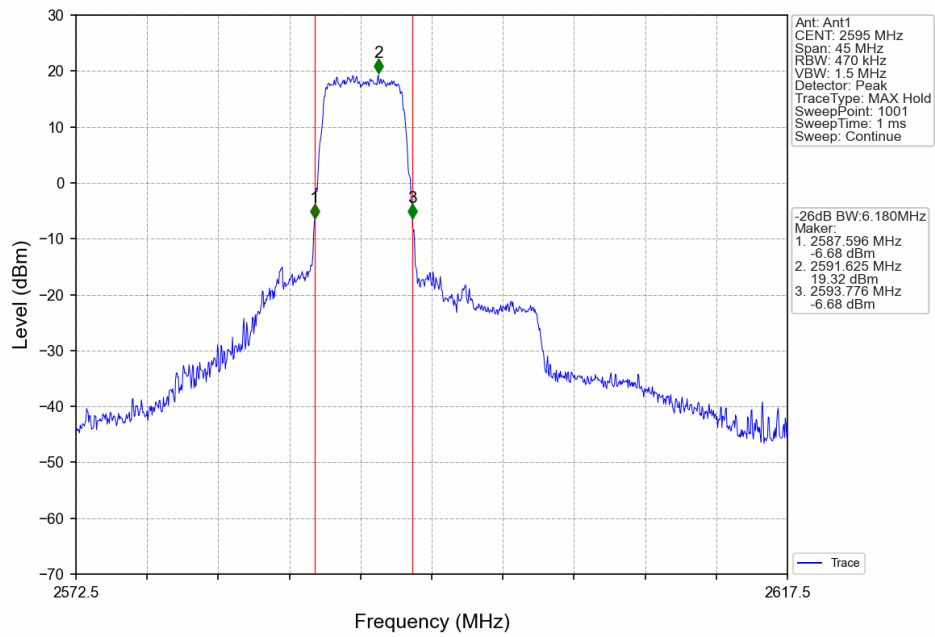
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN



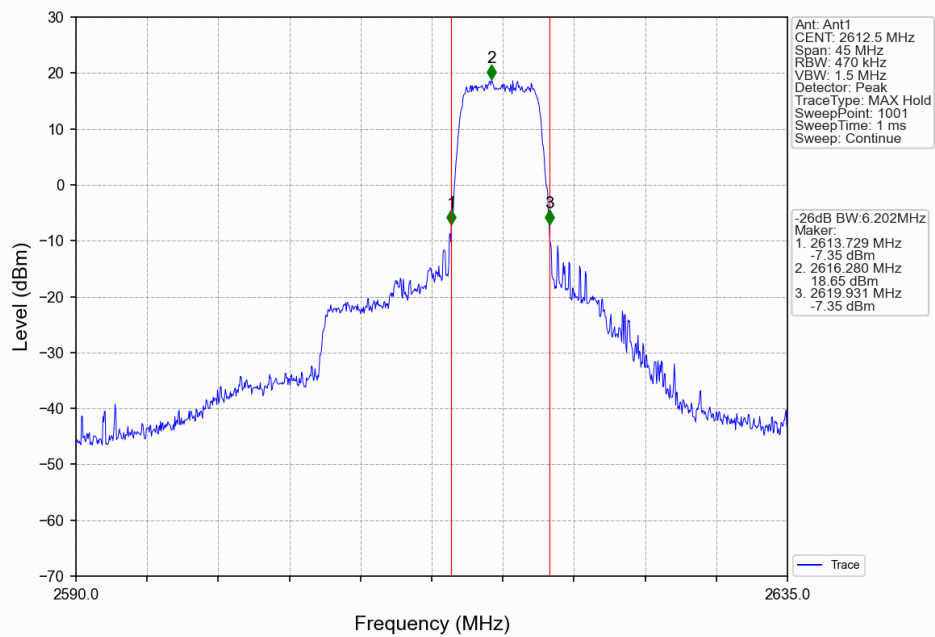
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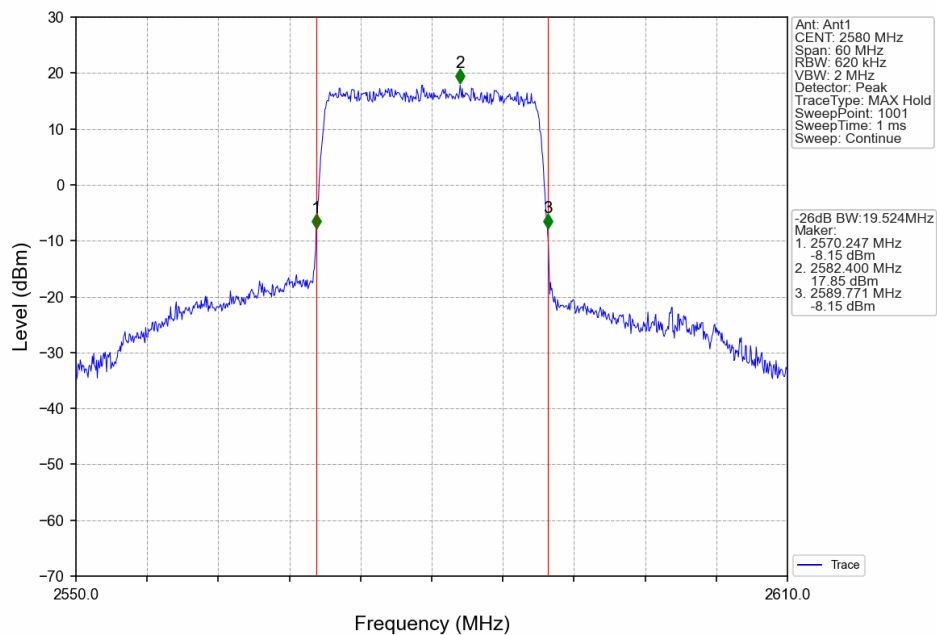
Band38 15MHz 16QAM MCH 2595MHz RB 27 0 NTNV



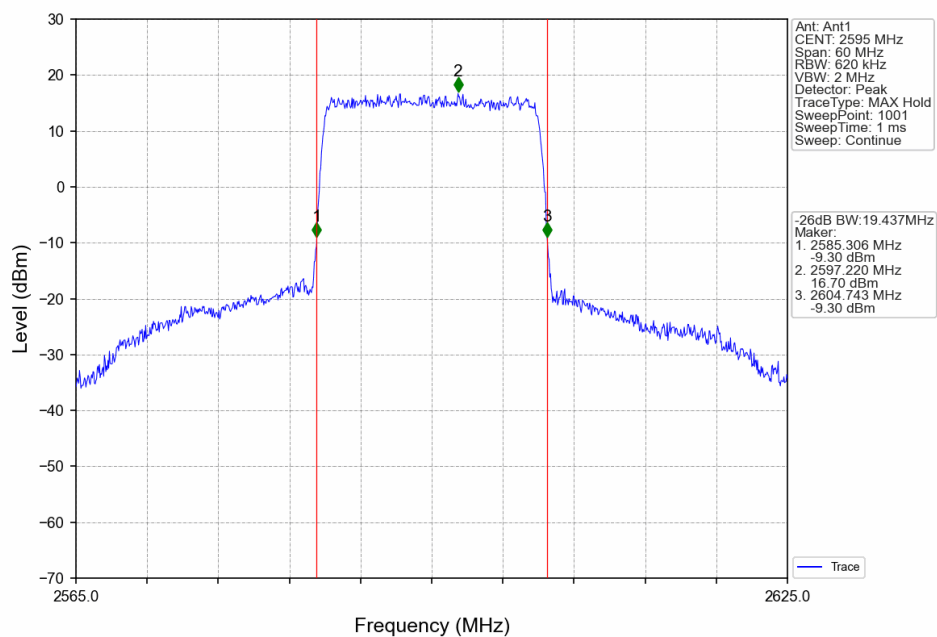
Band38 15MHz 16QAM HCH 2612.5MHz RB 27 48 NTNV



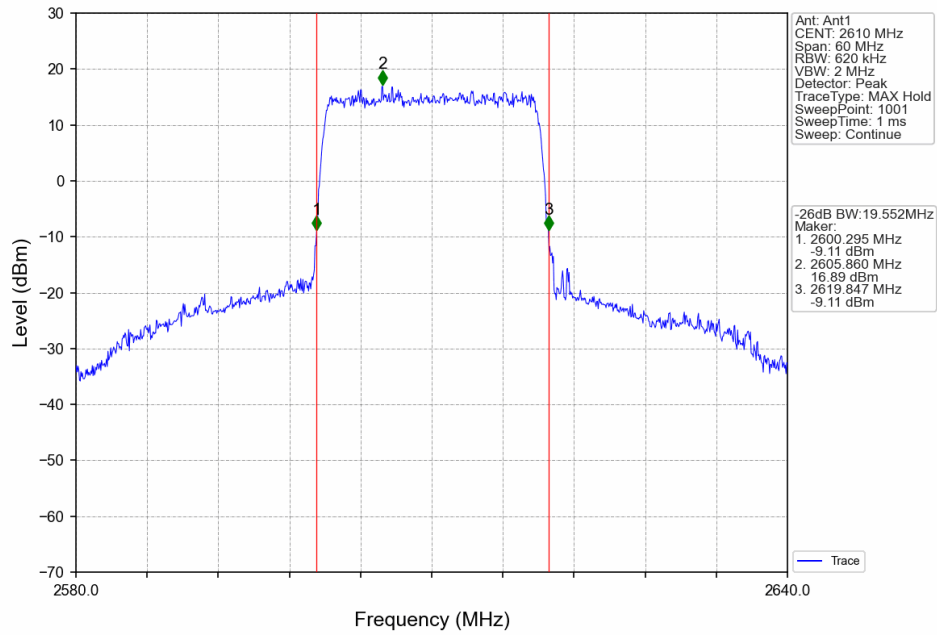
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTN



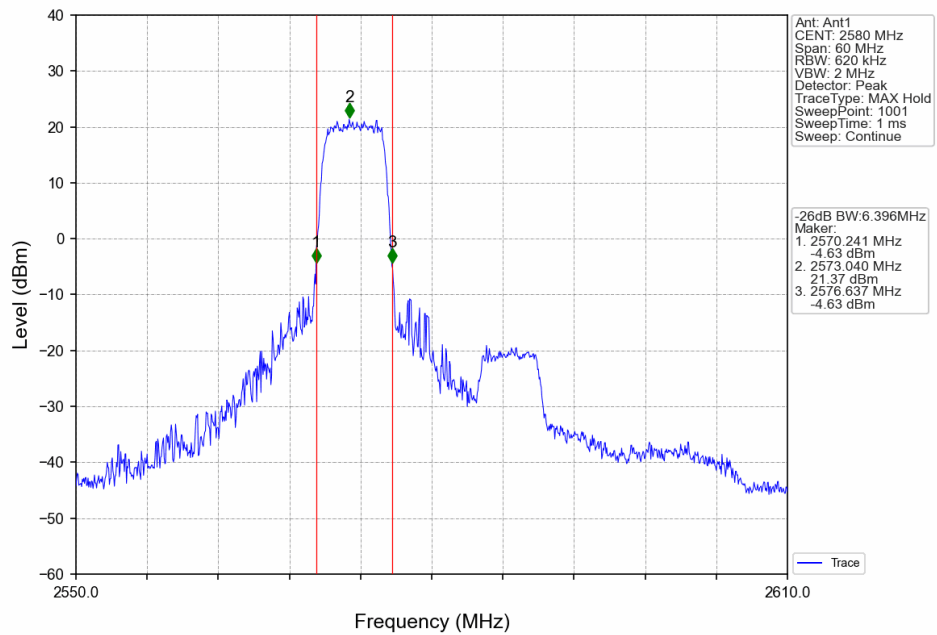
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTN



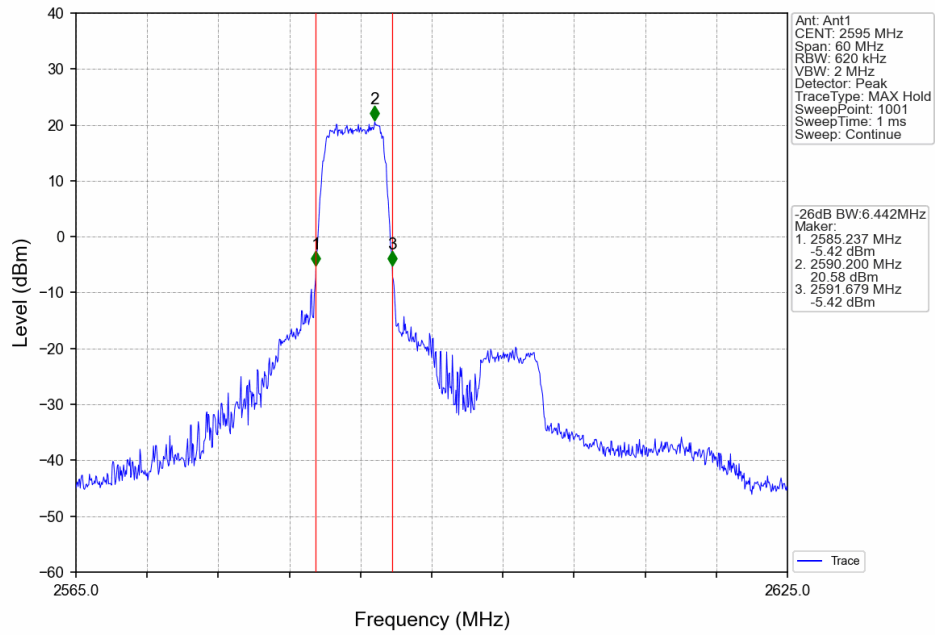
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTNV



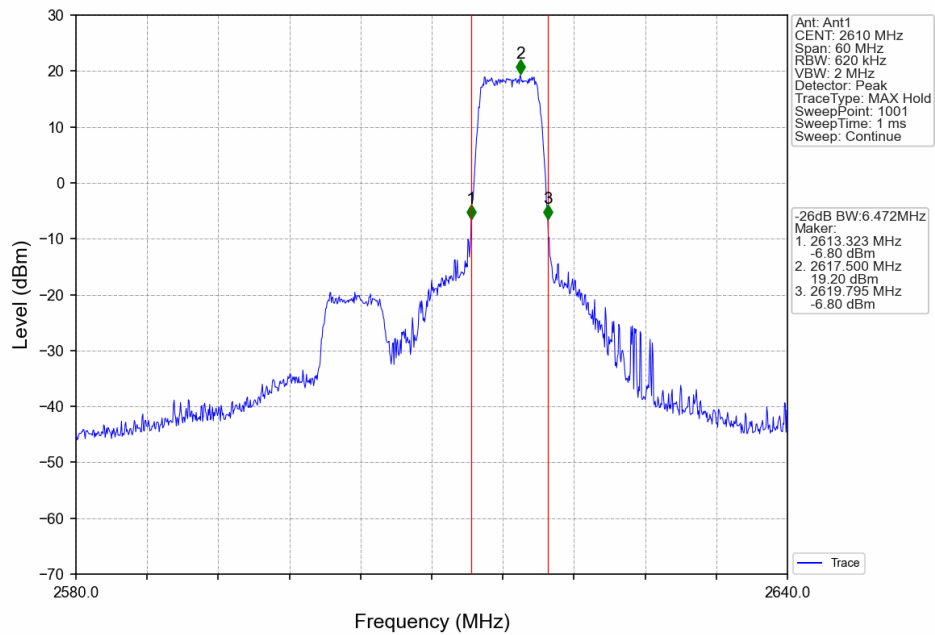
Band38 20MHz 16QAM LCH 2580MHz RB 27 0 NTNV



Band38 20MHz 16QAM MCH 2595MHz RB 27 0 NTN



Band38 20MHz 16QAM HCH 2610MHz RB 27 73 NTN



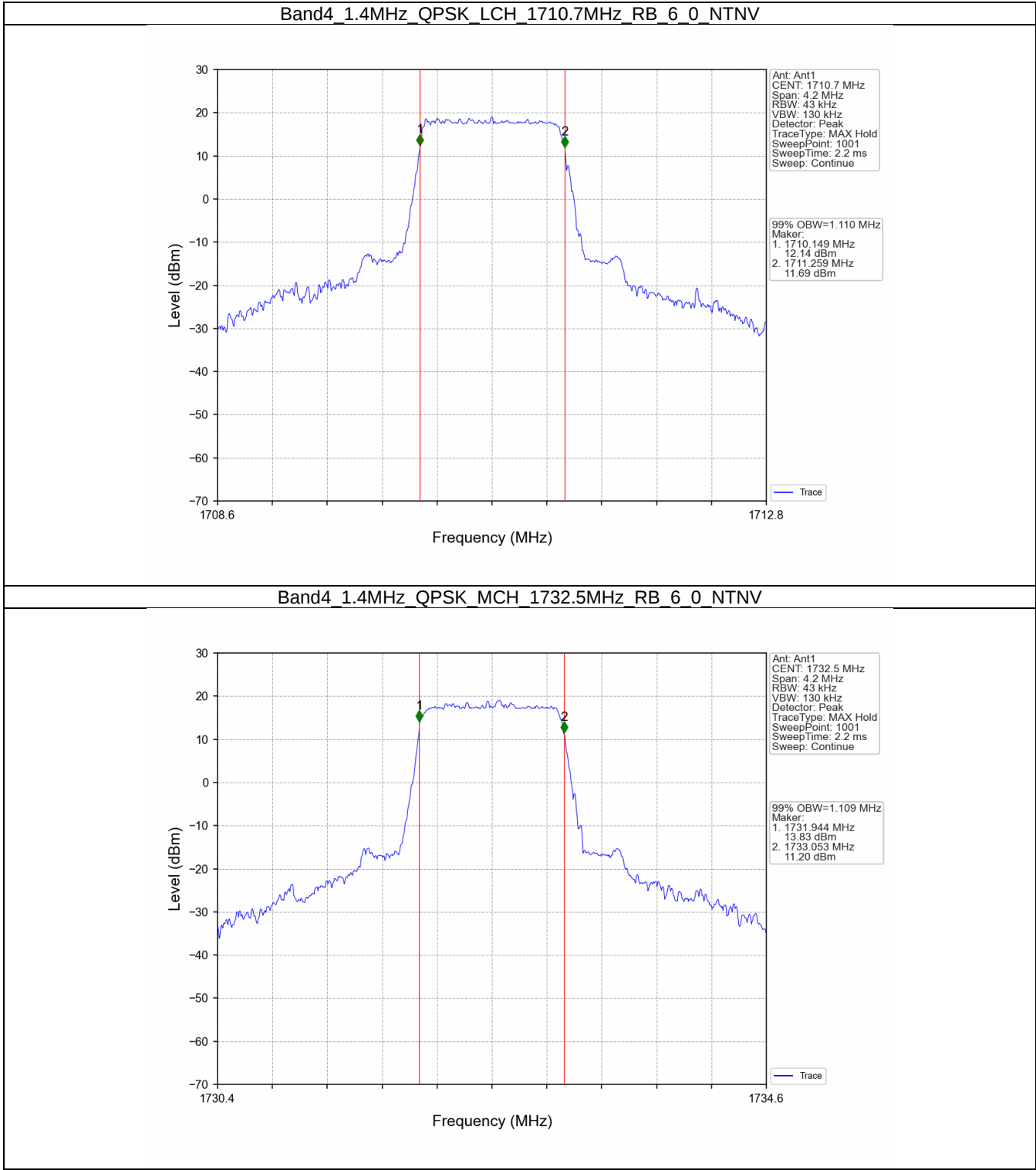
3. 99% & 26dB Bandwidth

3.1 Band4_OBW

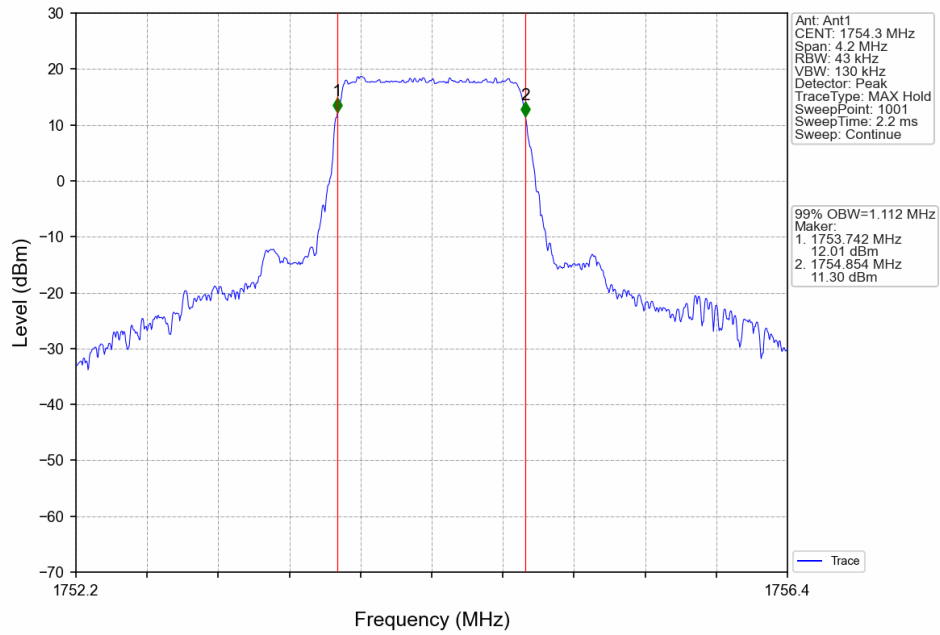
3.1.1 Test Result

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	1.110	Pass
		1732.5	6	0	1.109	Pass
		1754.3	6	0	1.112	Pass
	16QAM	1710.7	6	0	1.101	Pass
		1732.5	6	0	1.105	Pass
		1754.3	6	0	1.119	Pass
3	QPSK	1711.5	15	0	2.731	Pass
		1732.5	15	0	2.727	Pass
		1753.5	15	0	2.740	Pass
	16QAM	1711.5	15	0	2.722	Pass
		1732.5	15	0	2.736	Pass
		1753.5	15	0	2.721	Pass
5	QPSK	1712.5	25	0	4.566	Pass
		1732.5	25	0	4.542	Pass
		1752.5	25	0	4.540	Pass
	16QAM	1712.5	25	0	4.537	Pass
		1732.5	25	0	4.543	Pass
		1752.5	25	0	4.545	Pass
10	QPSK	1715	50	0	9.030	Pass
		1732.5	50	0	9.036	Pass
		1750	50	0	9.058	Pass
	16QAM	1715	27	0	5.052	Pass
		1732.5	27	0	5.041	Pass
		1750	27	23	5.065	Pass
15	QPSK	1717.5	75	0	13.565	Pass
		1732.5	75	0	13.536	Pass
		1747.5	75	0	13.552	Pass
	16QAM	1717.5	27	0	5.285	Pass
		1732.5	27	0	5.283	Pass
		1747.5	27	48	5.268	Pass
20	QPSK	1720	100	0	18.091	Pass
		1732.5	100	0	18.013	Pass
		1745	100	0	18.026	Pass
	16QAM	1720	27	0	5.466	Pass
		1732.5	27	0	5.397	Pass
		1745	27	73	5.438	Pass

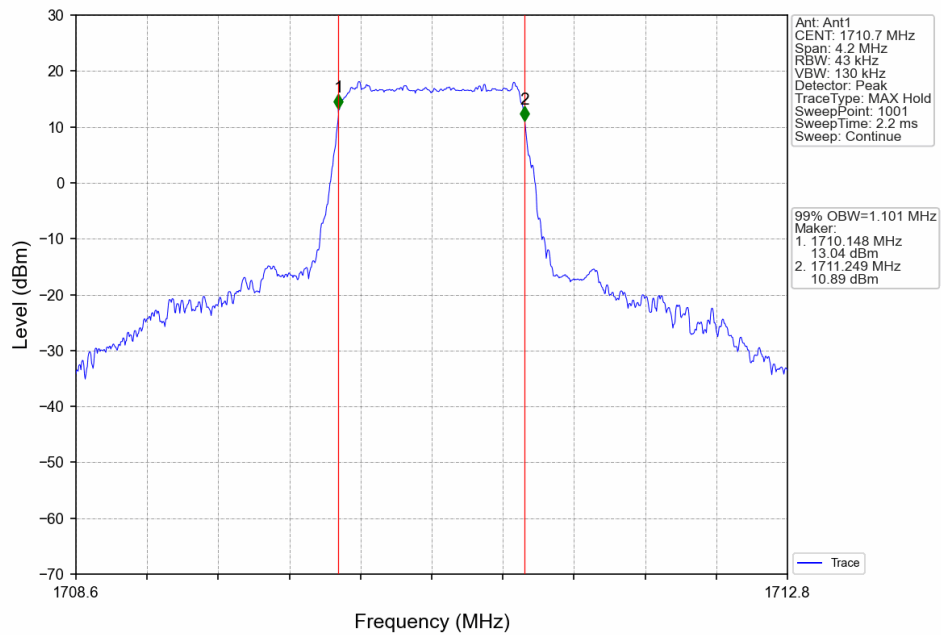
3.1.2 Test Graph



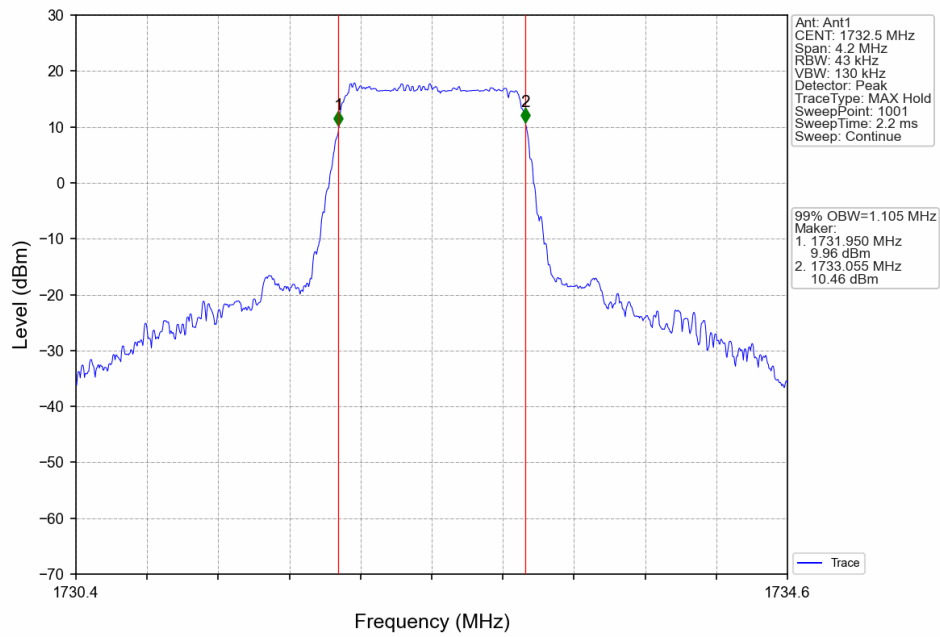
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



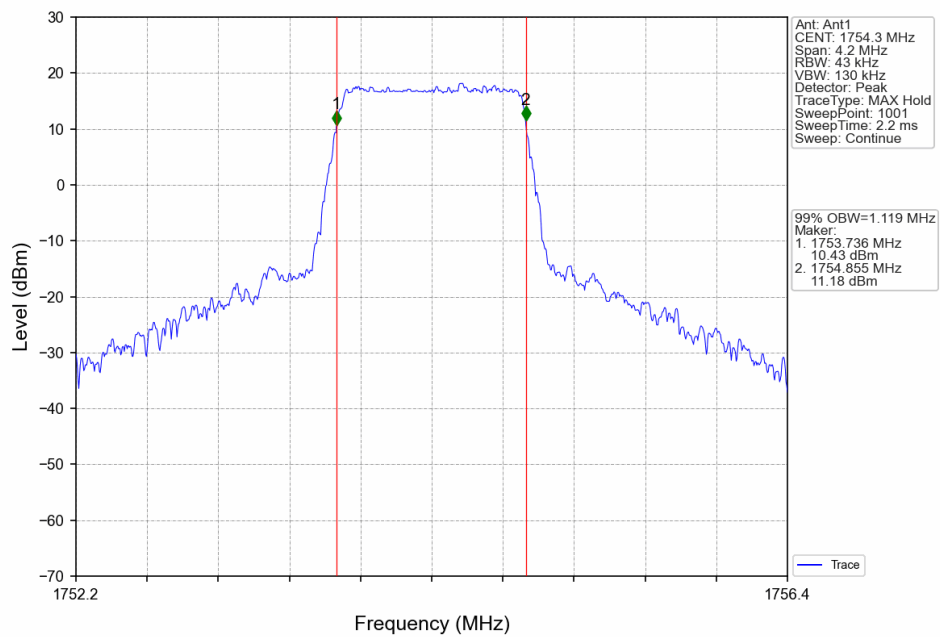
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



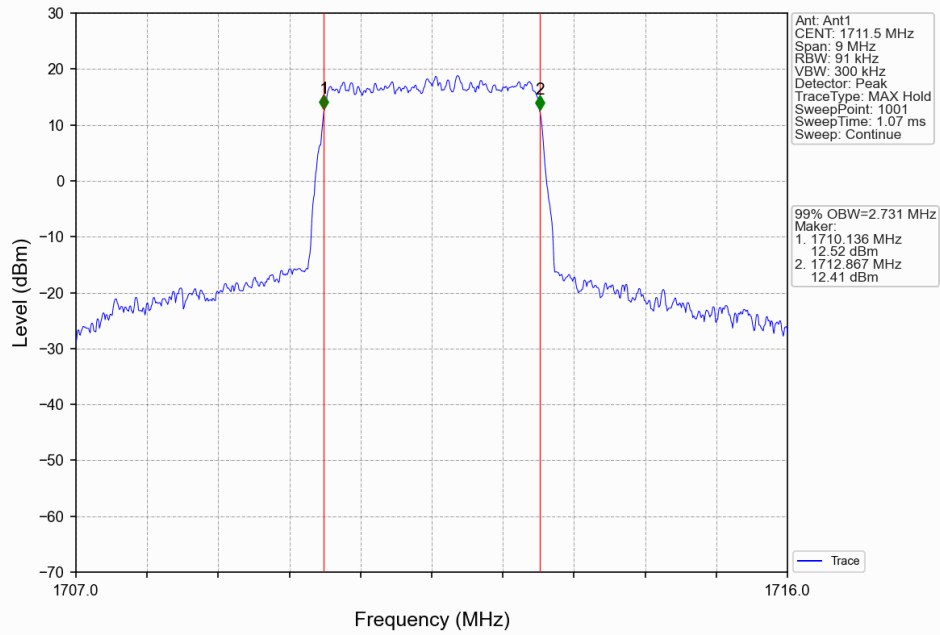
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



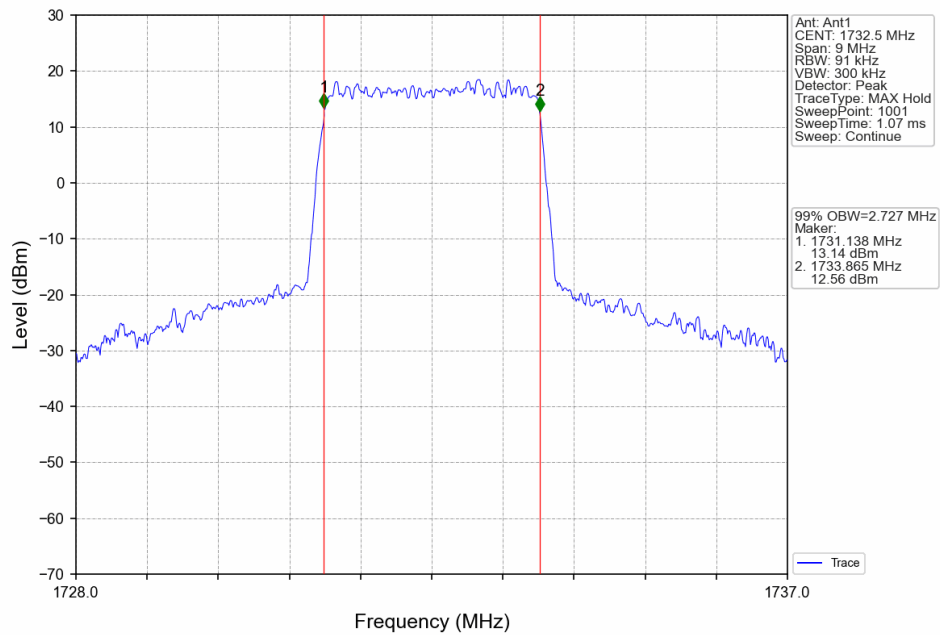
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



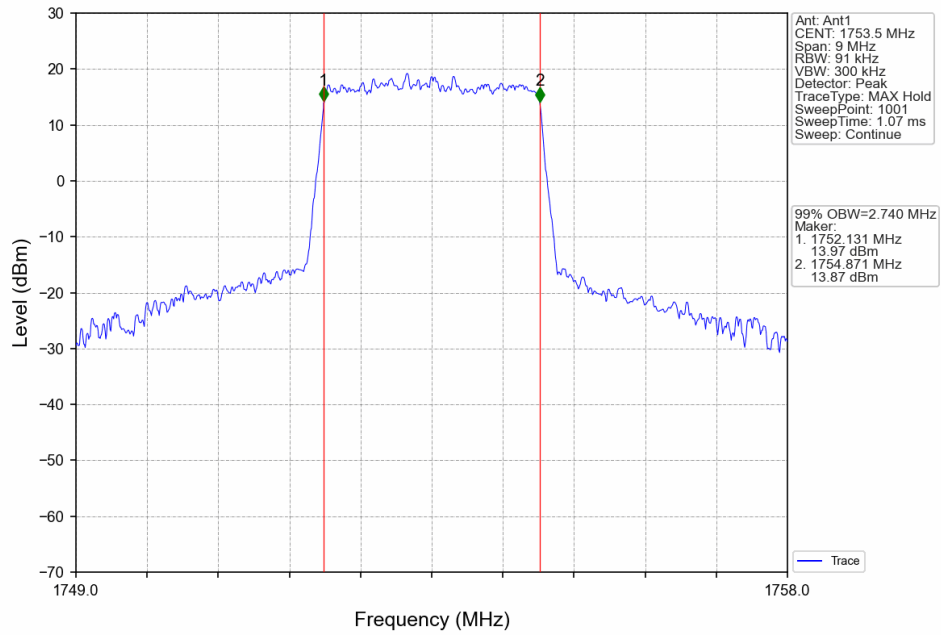
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



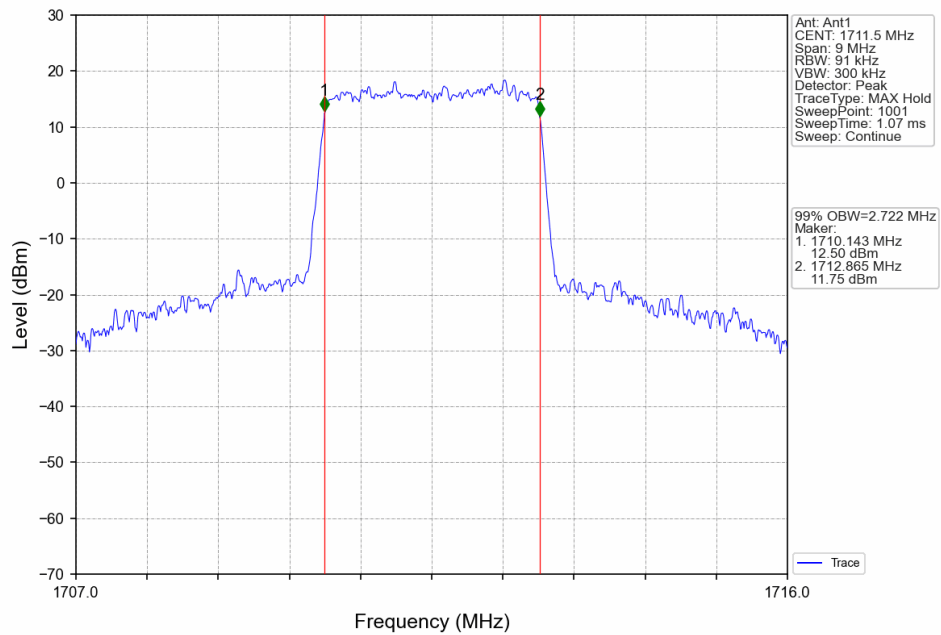
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



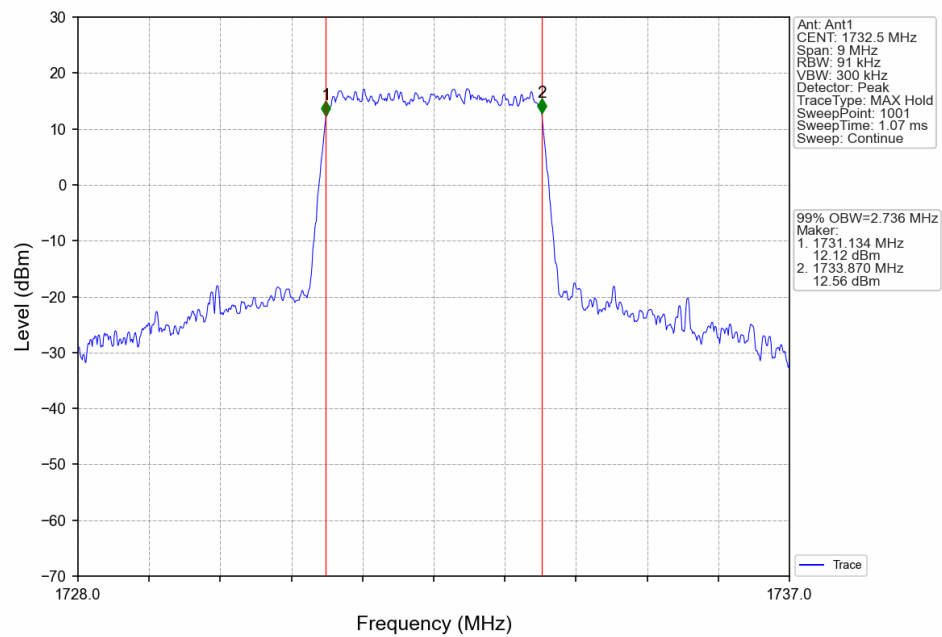
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV



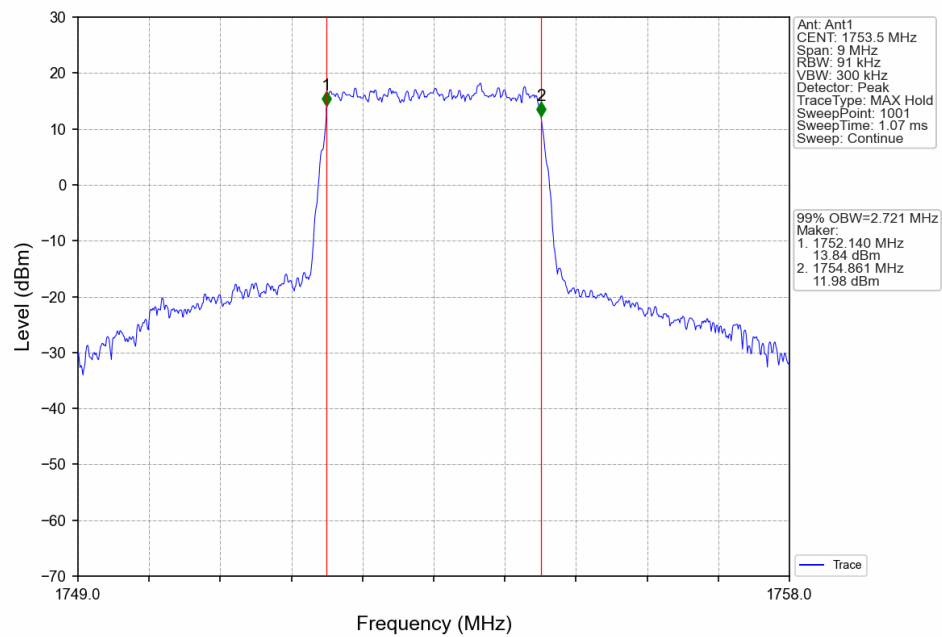
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV



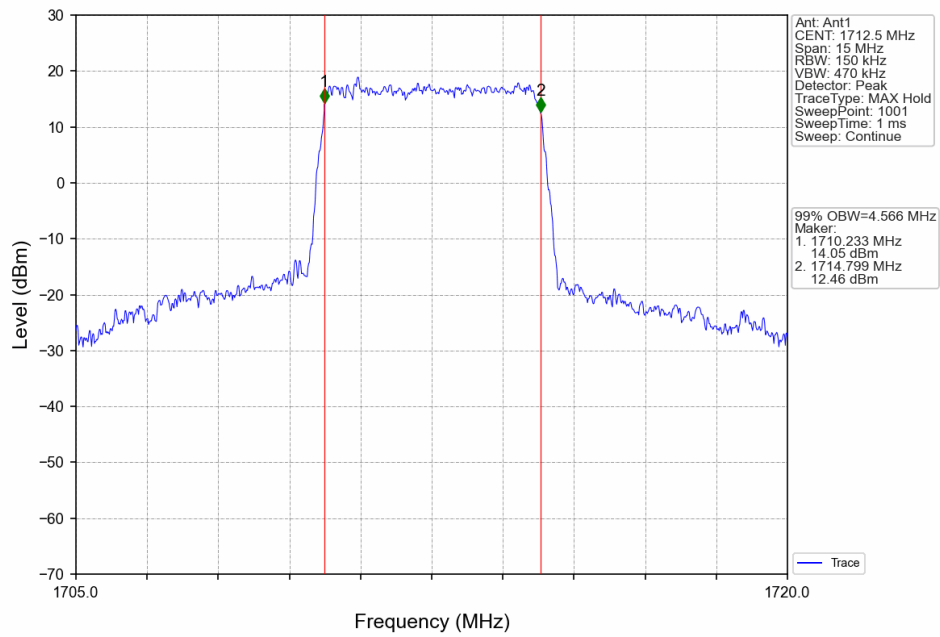
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



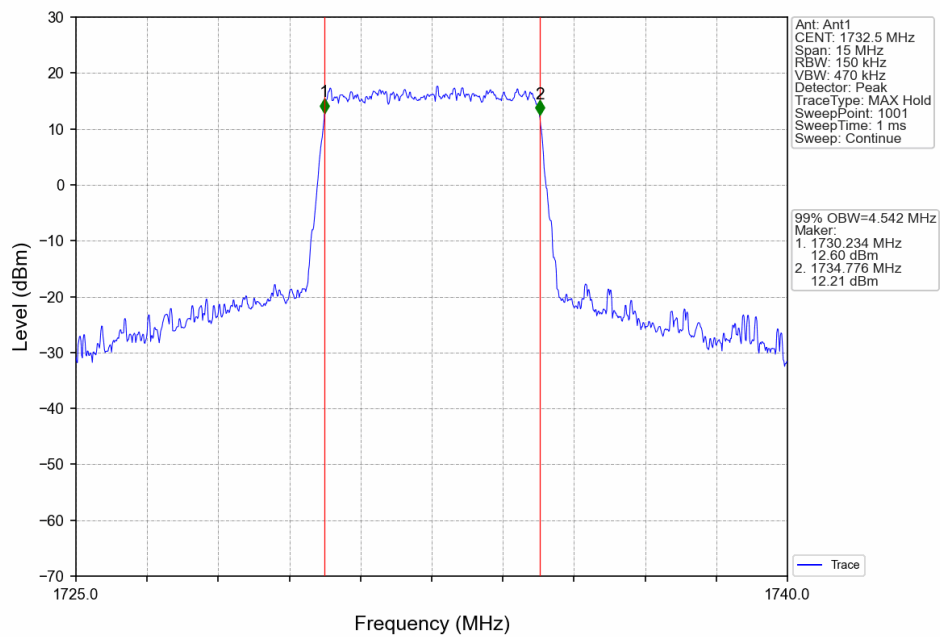
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



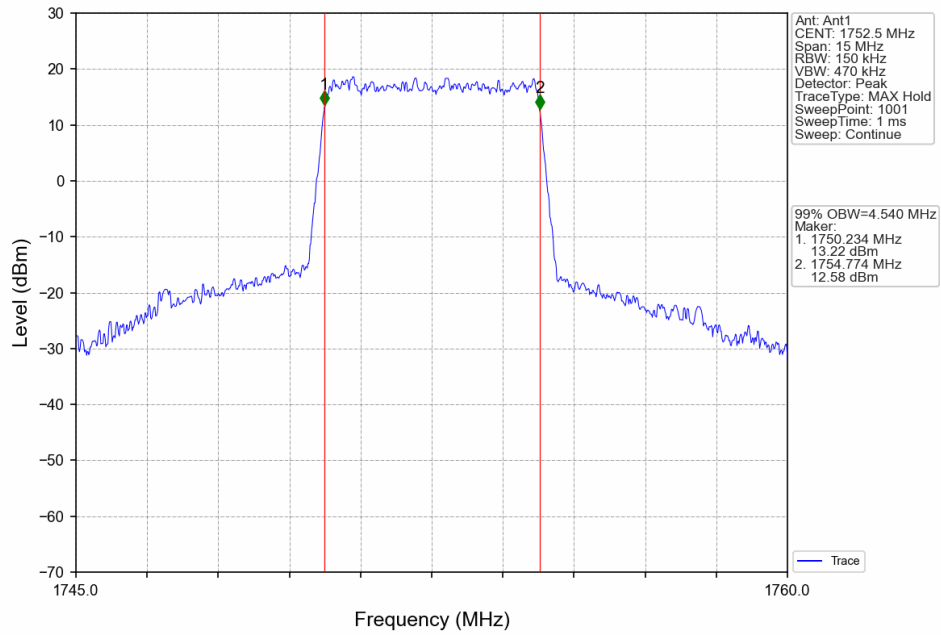
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



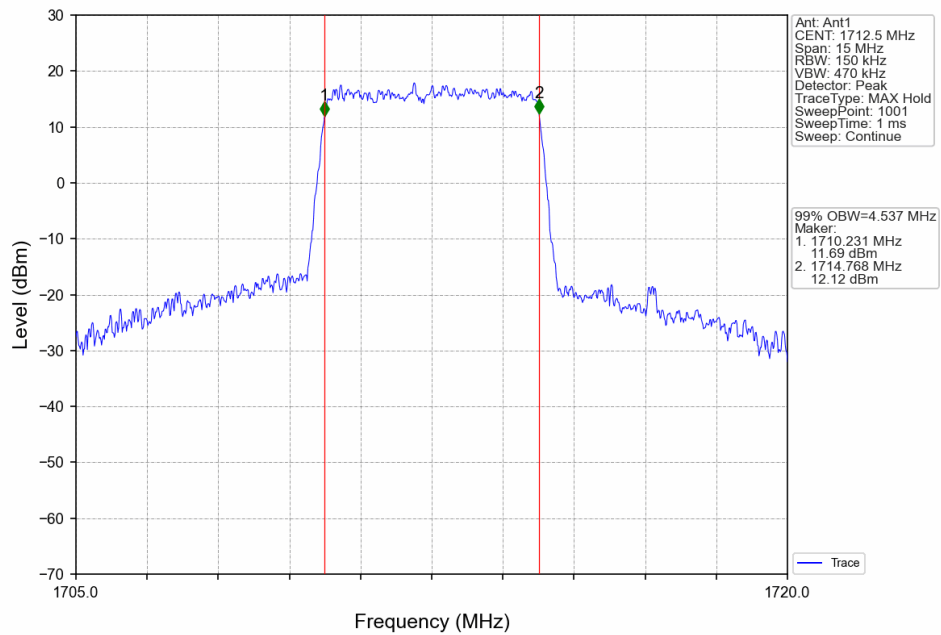
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



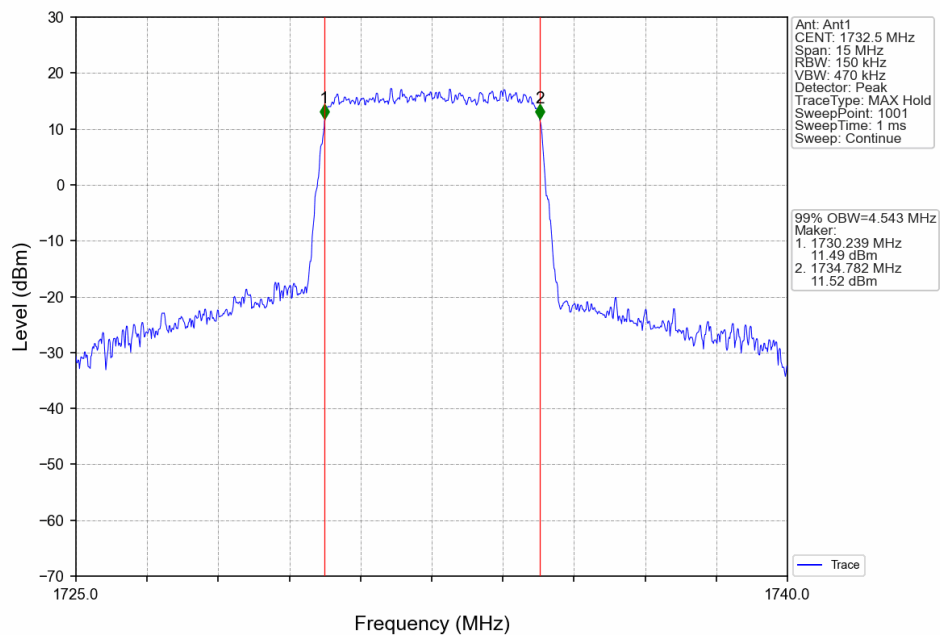
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTNV



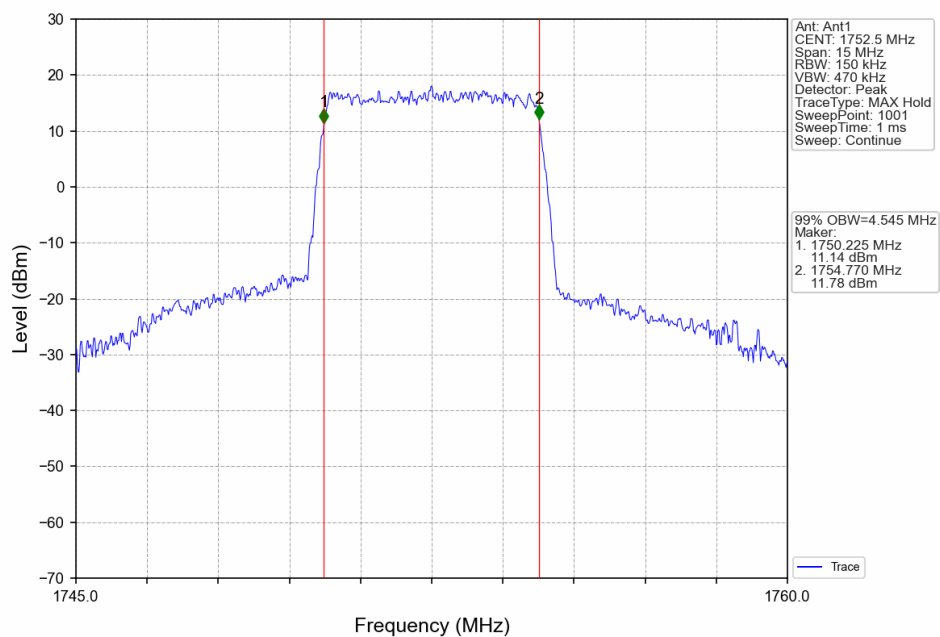
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



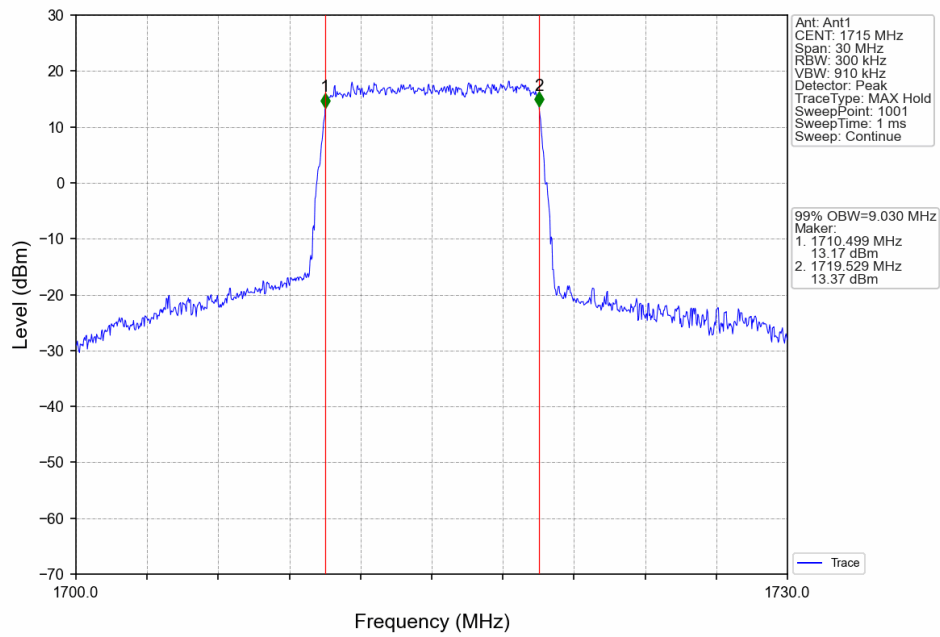
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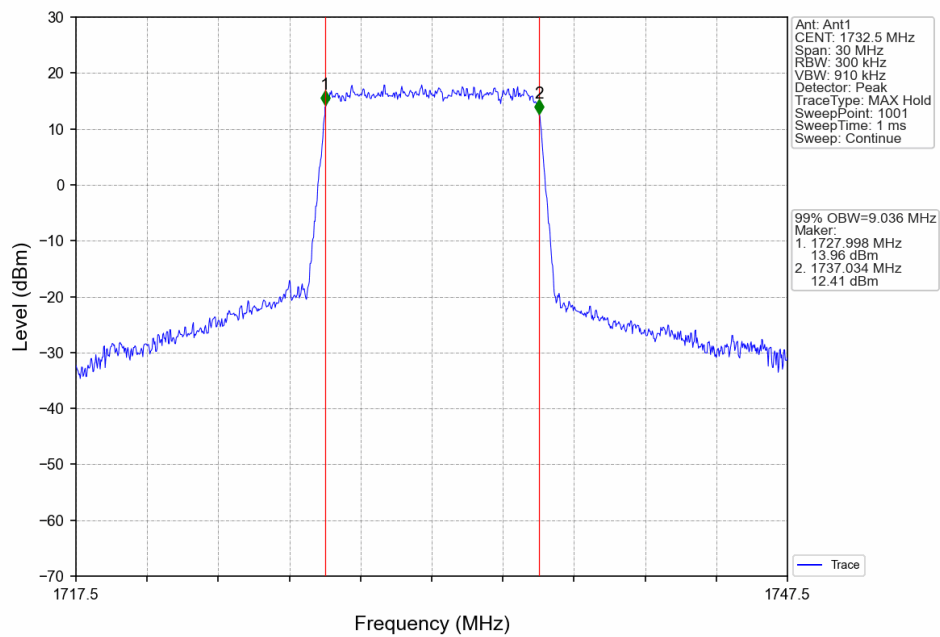
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



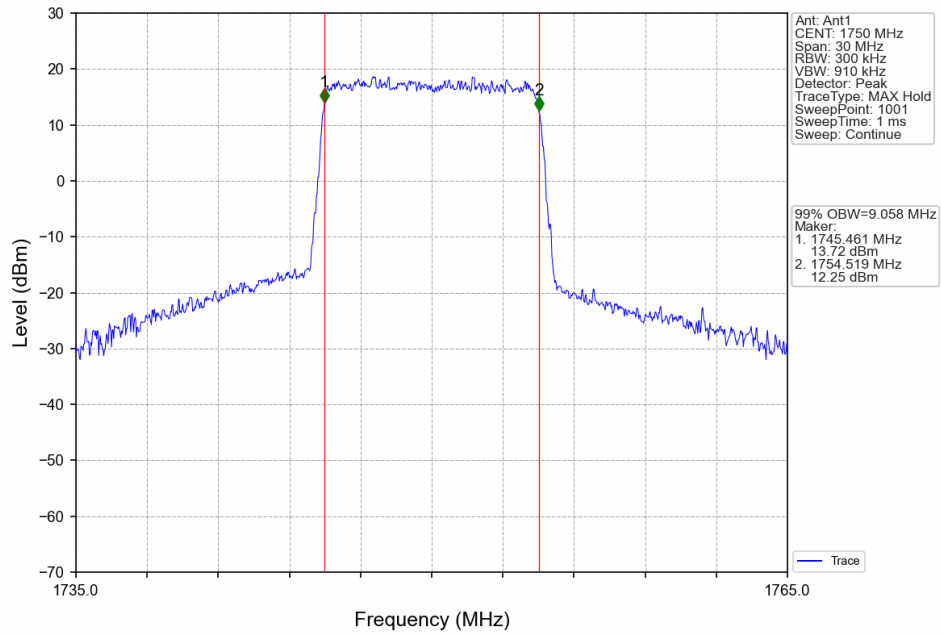
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



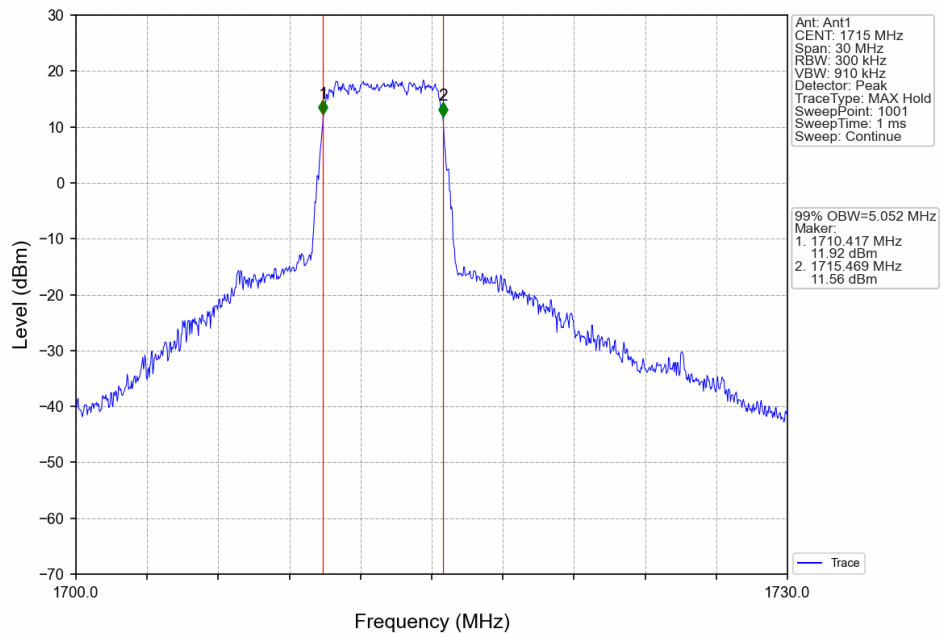
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



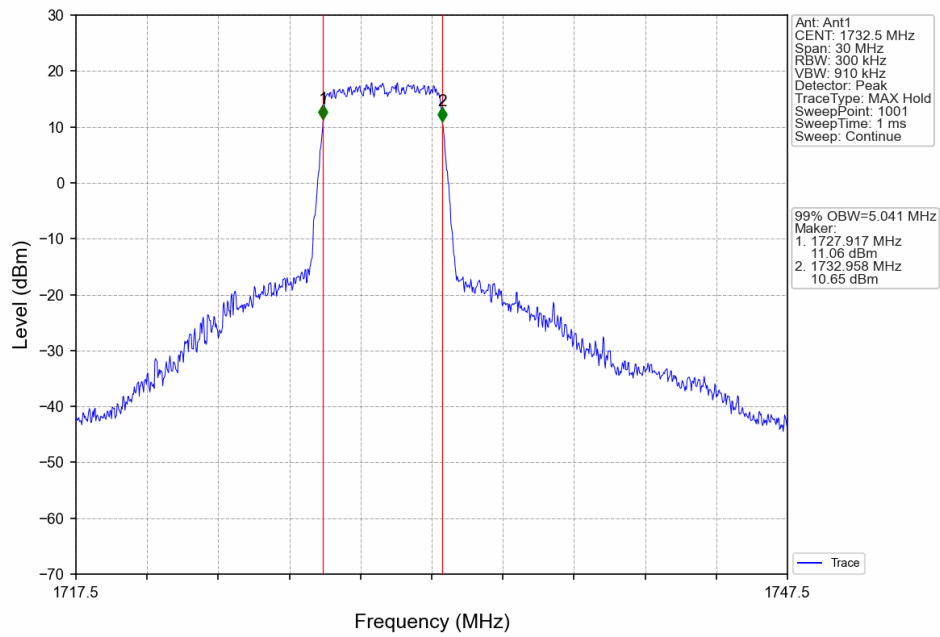
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



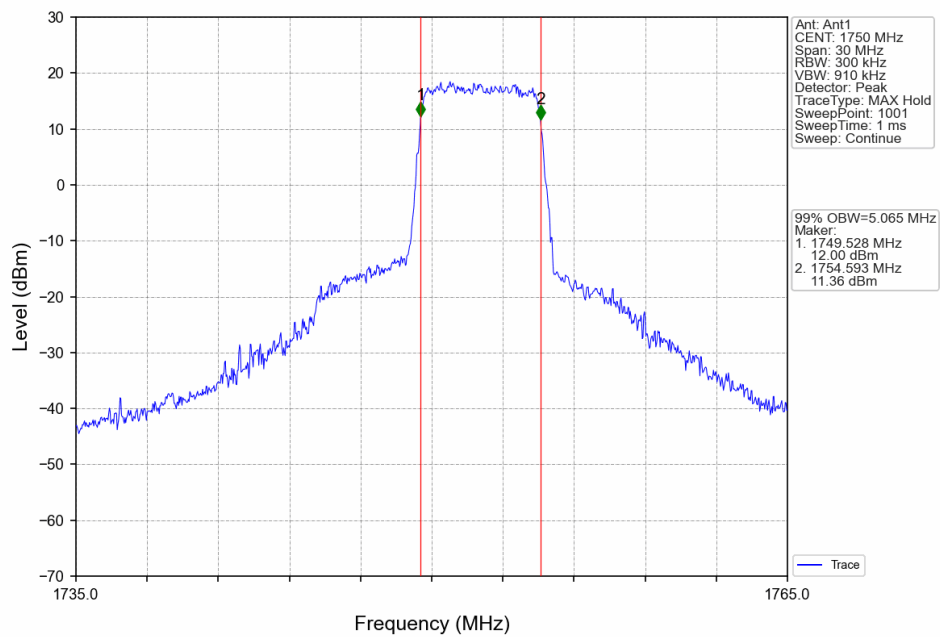
Band4 10MHz 16QAM LCH 1715MHz RB 27 0 NTN



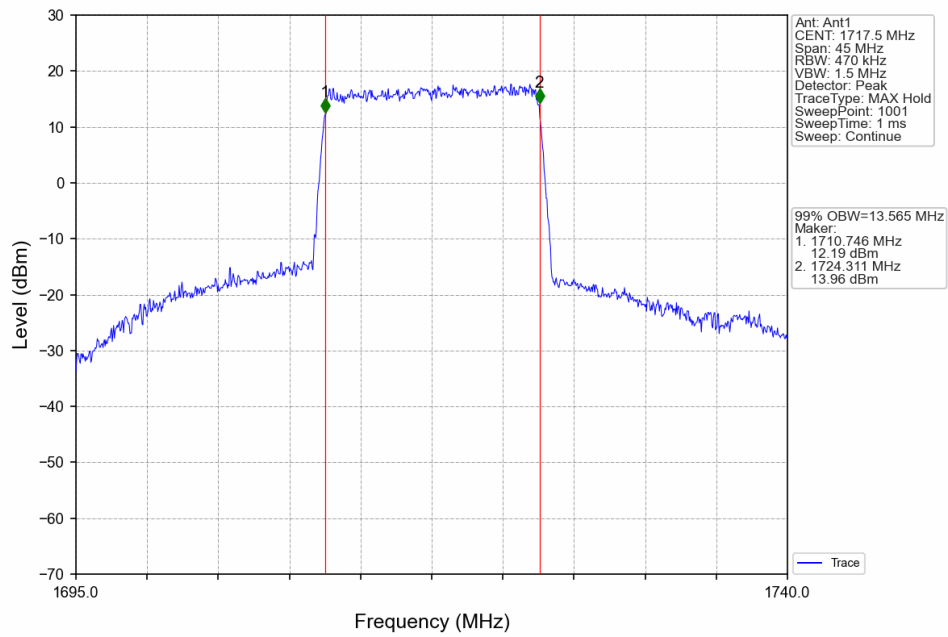
Band4 10MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



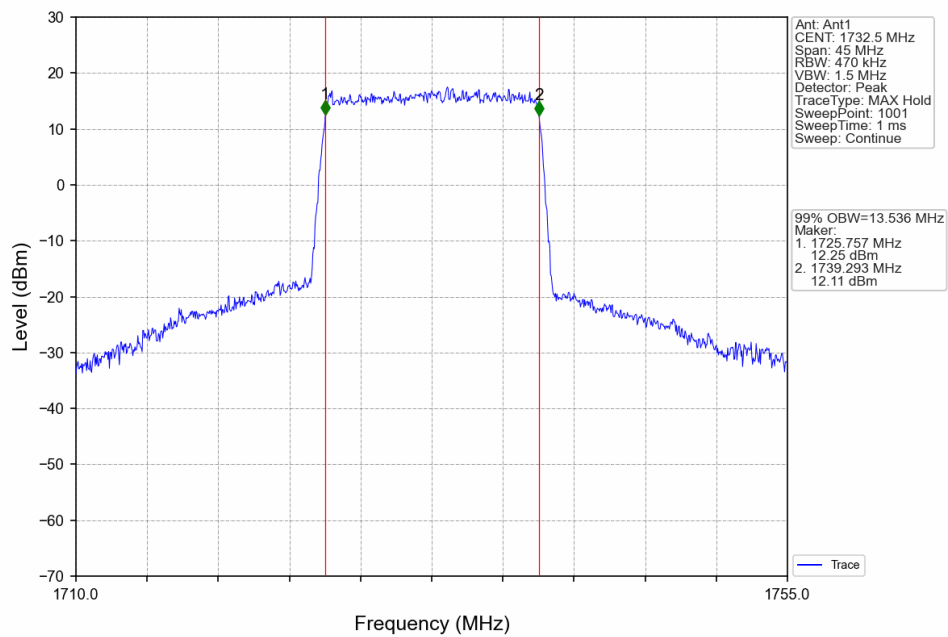
Band4 10MHz 16QAM HCH 1750MHz RB 27 23 NTNV



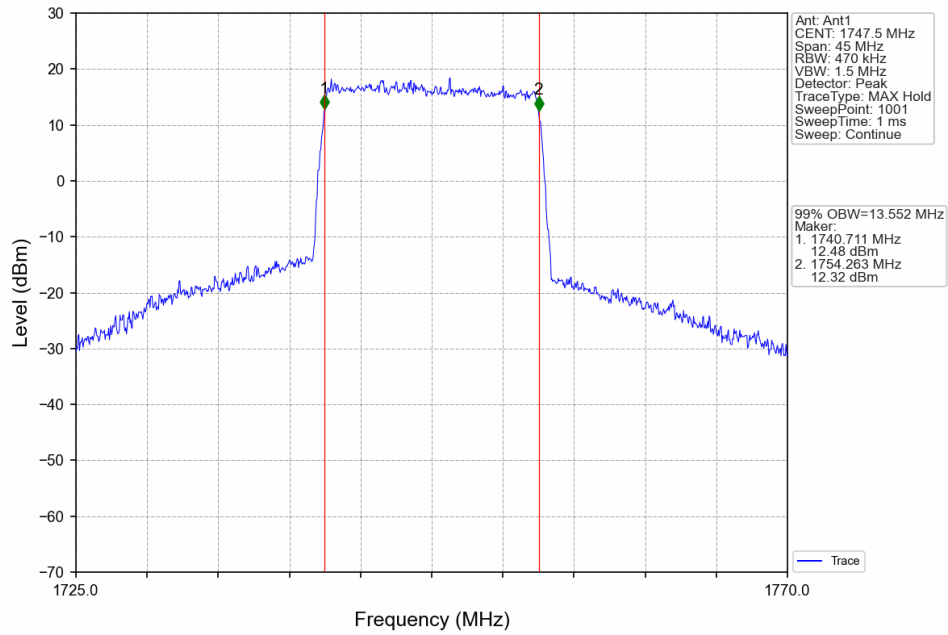
Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



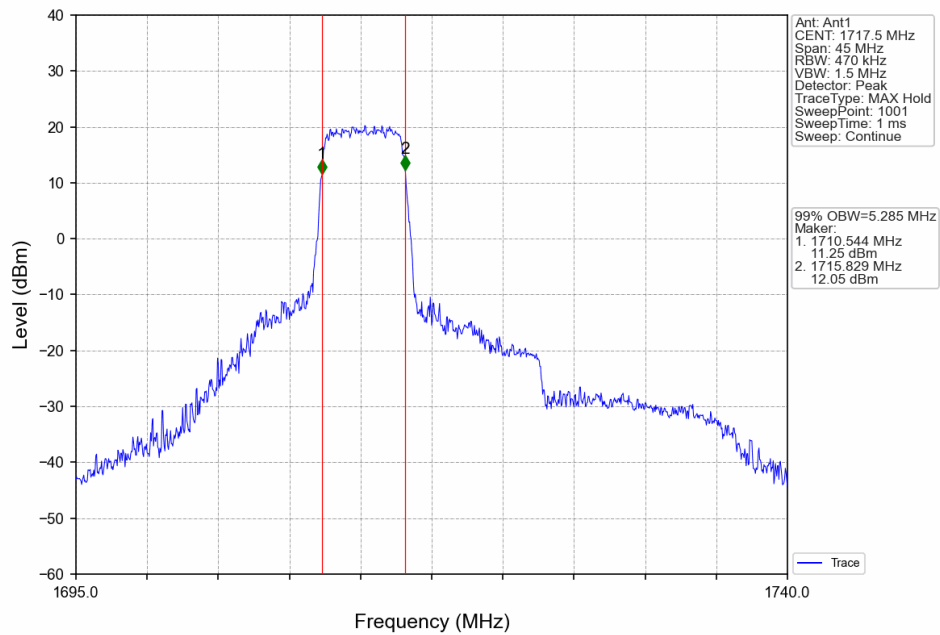
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



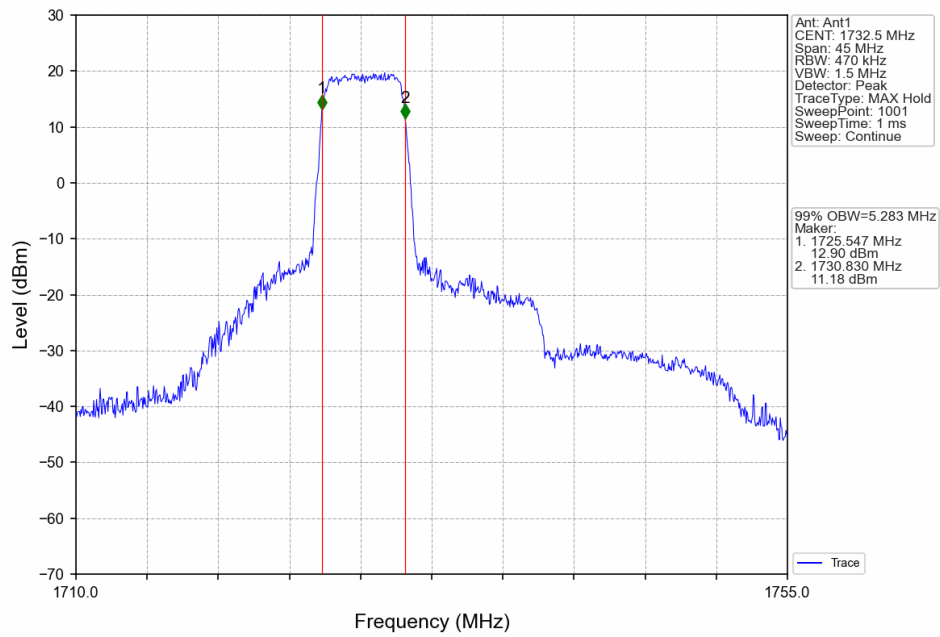
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



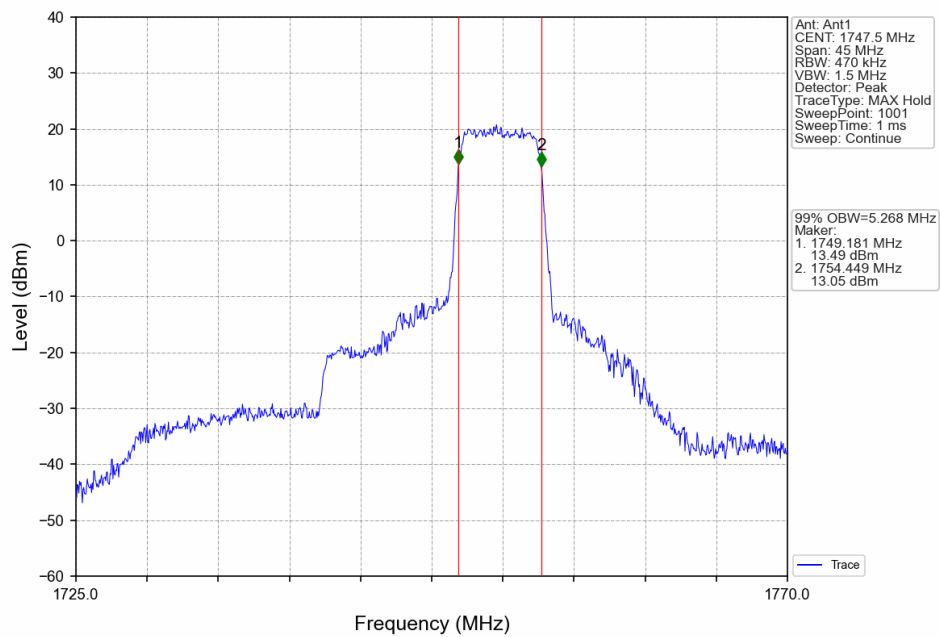
Band4 15MHz 16QAM LCH 1717.5MHz RB 27 0 NTNV



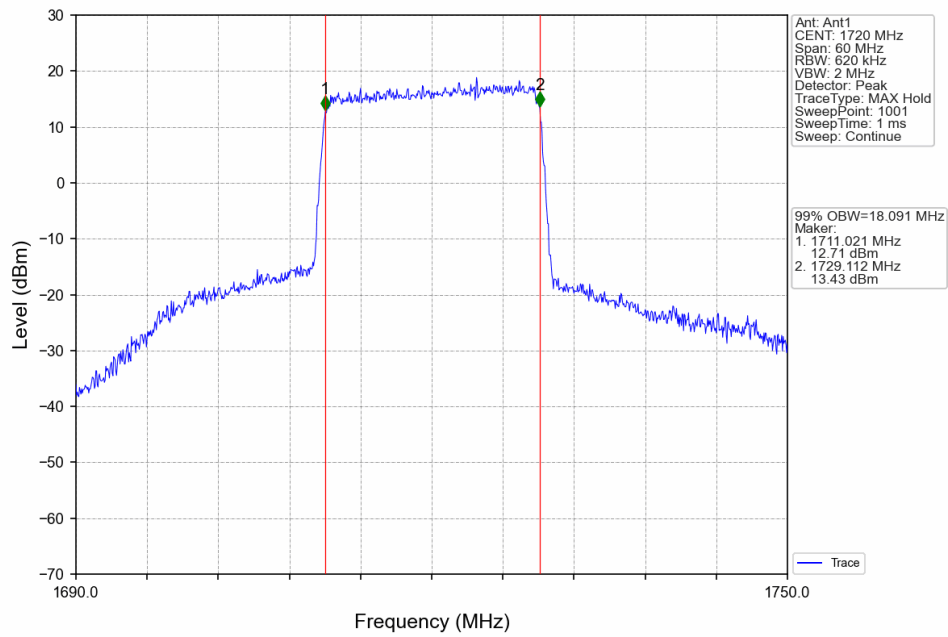
Band4 15MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



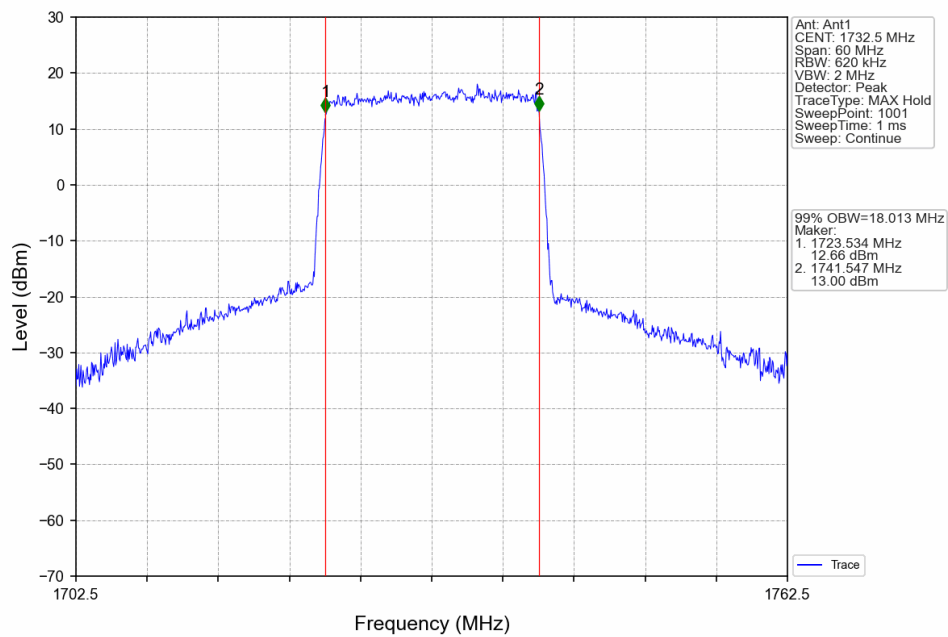
Band4 15MHz 16QAM HCH 1747.5MHz RB 27 48 NTNV



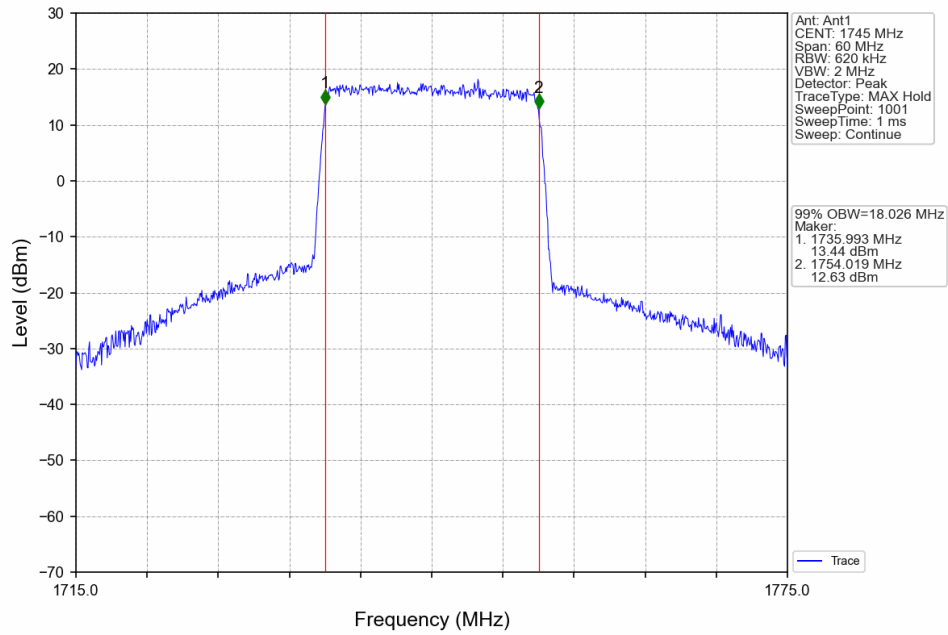
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



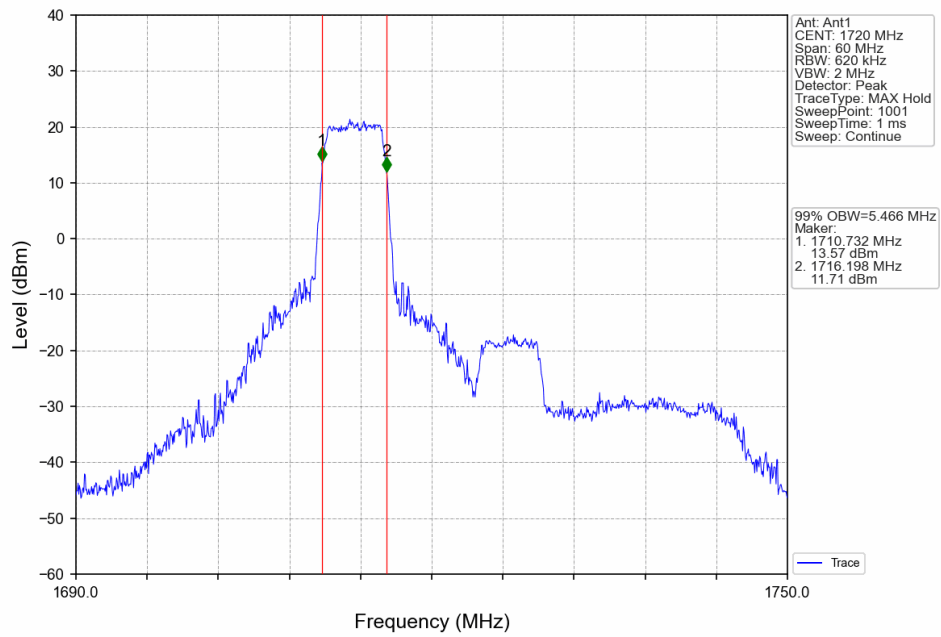
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



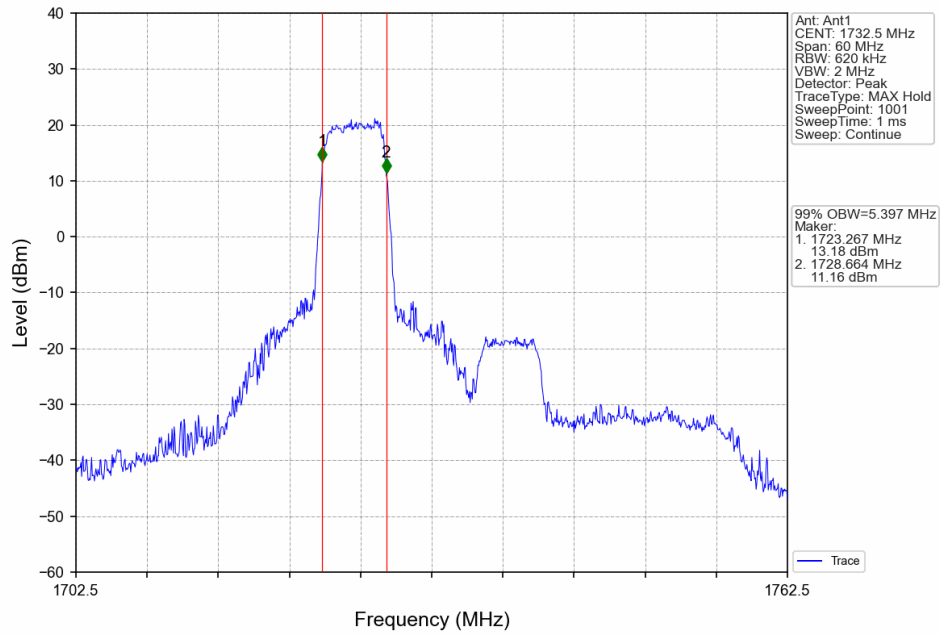
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



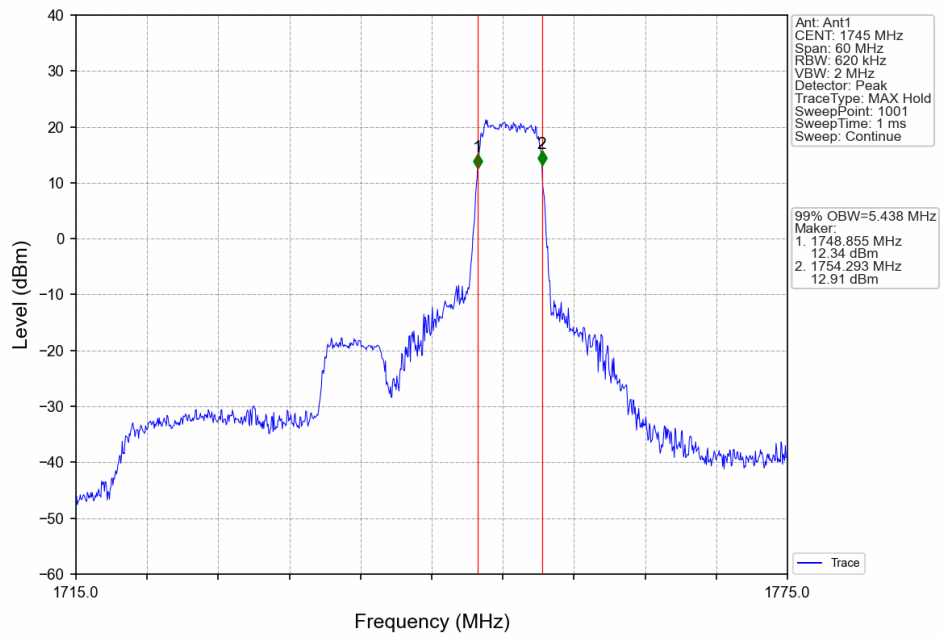
Band4 20MHz 16QAM LCH 1720MHz RB 27 0 NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 27 73 NTNV

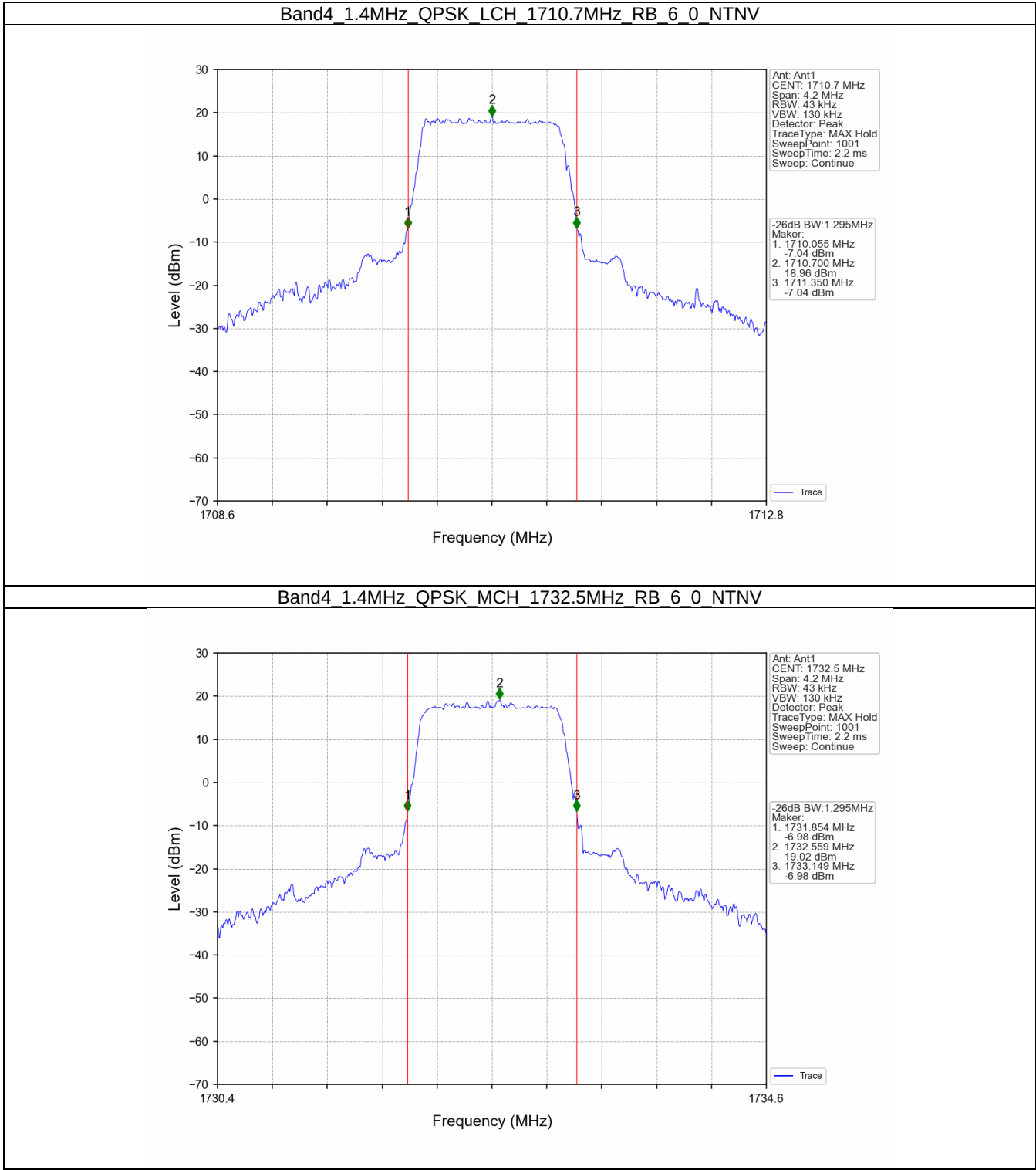


3.2 Band4_XDB

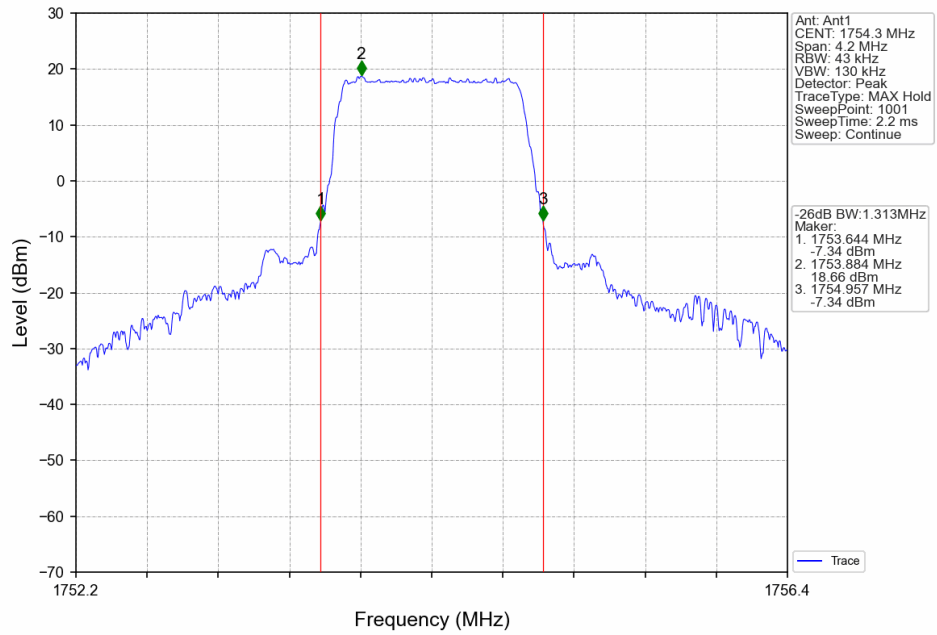
3.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.295	Pass
		1732.5	6	0	1.295	Pass
		1754.3	6	0	1.313	Pass
	16QAM	1710.7	6	0	1.298	Pass
		1732.5	6	0	1.310	Pass
		1754.3	6	0	1.301	Pass
3	QPSK	1711.5	15	0	3.036	Pass
		1732.5	15	0	3.014	Pass
		1753.5	15	0	3.033	Pass
	16QAM	1711.5	15	0	3.000	Pass
		1732.5	15	0	3.019	Pass
		1753.5	15	0	3.017	Pass
5	QPSK	1712.5	25	0	5.047	Pass
		1732.5	25	0	5.063	Pass
		1752.5	25	0	5.029	Pass
	16QAM	1712.5	25	0	4.992	Pass
		1732.5	25	0	5.039	Pass
		1752.5	25	0	5.029	Pass
10	QPSK	1715	50	0	9.986	Pass
		1732.5	50	0	9.949	Pass
		1750	50	0	9.891	Pass
	16QAM	1715	27	0	5.861	Pass
		1732.5	27	0	5.831	Pass
		1750	27	23	5.832	Pass
15	QPSK	1717.5	75	0	14.740	Pass
		1732.5	75	0	14.752	Pass
		1747.5	75	0	14.659	Pass
	16QAM	1717.5	27	0	6.284	Pass
		1732.5	27	0	6.237	Pass
		1747.5	27	48	6.073	Pass
20	QPSK	1720	100	0	19.480	Pass
		1732.5	100	0	19.481	Pass
		1745	100	0	19.541	Pass
	16QAM	1720	27	0	6.535	Pass
		1732.5	27	0	6.436	Pass
		1745	27	73	6.532	Pass

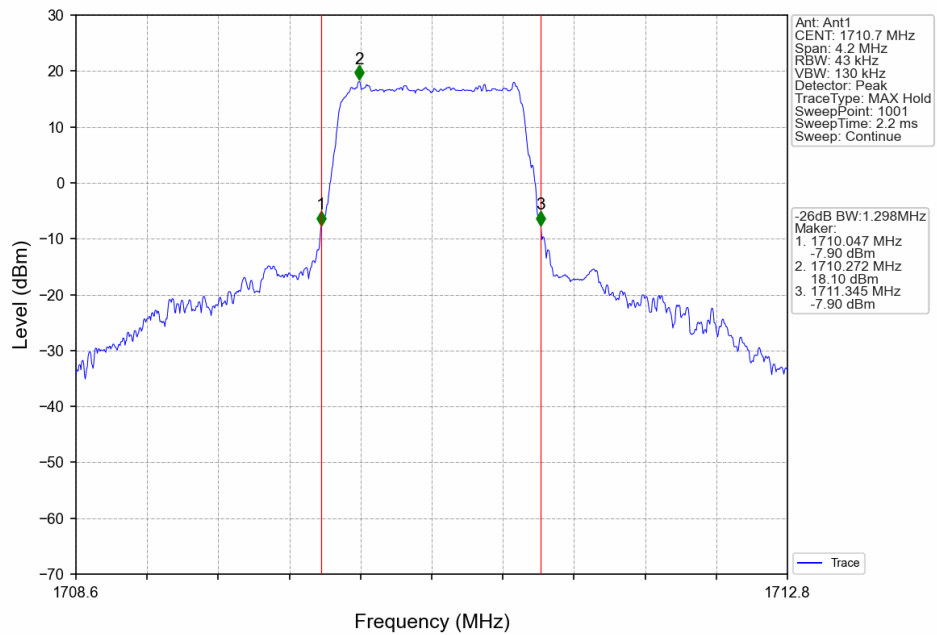
3.2.2 Test Graph



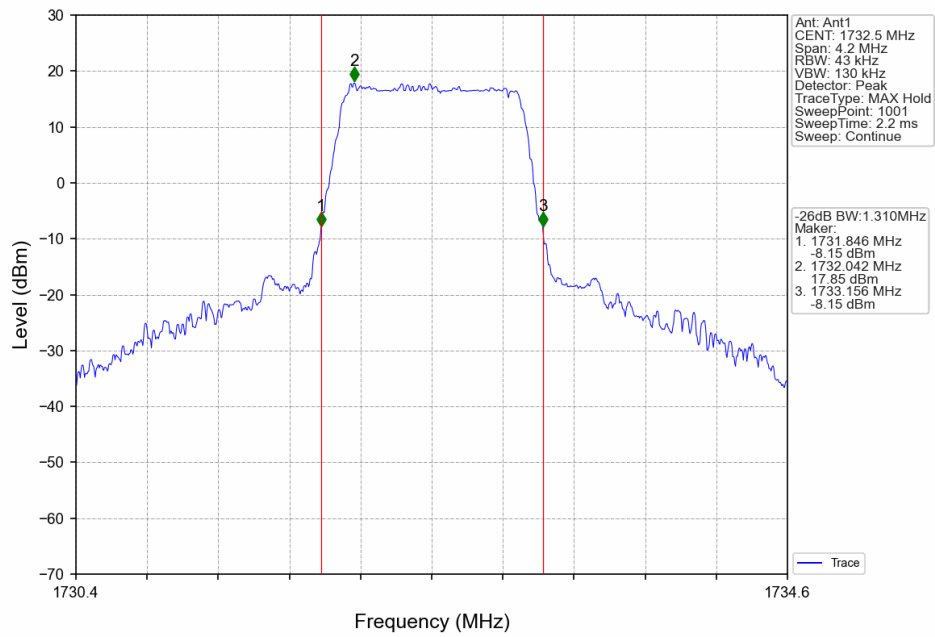
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



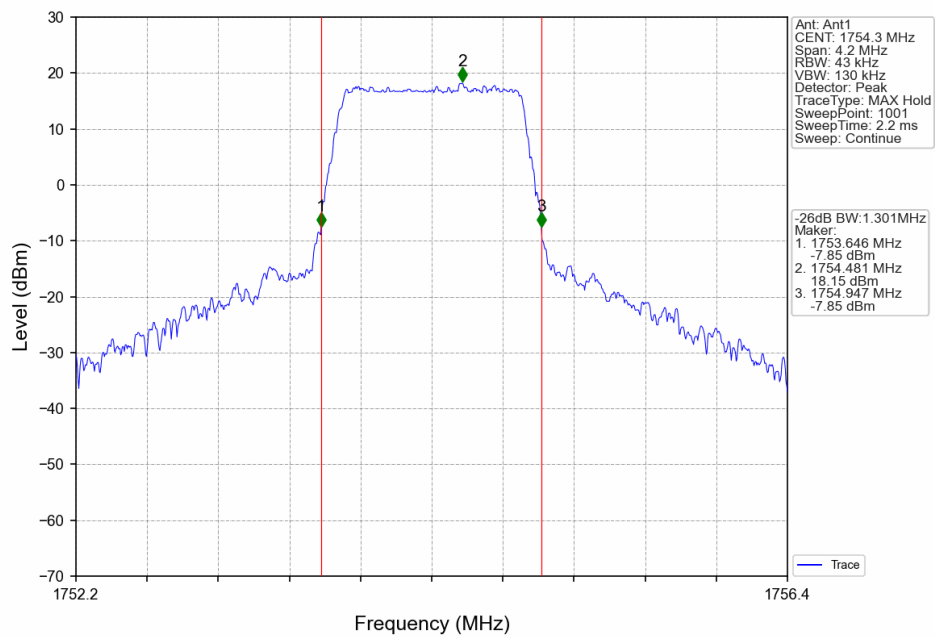
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



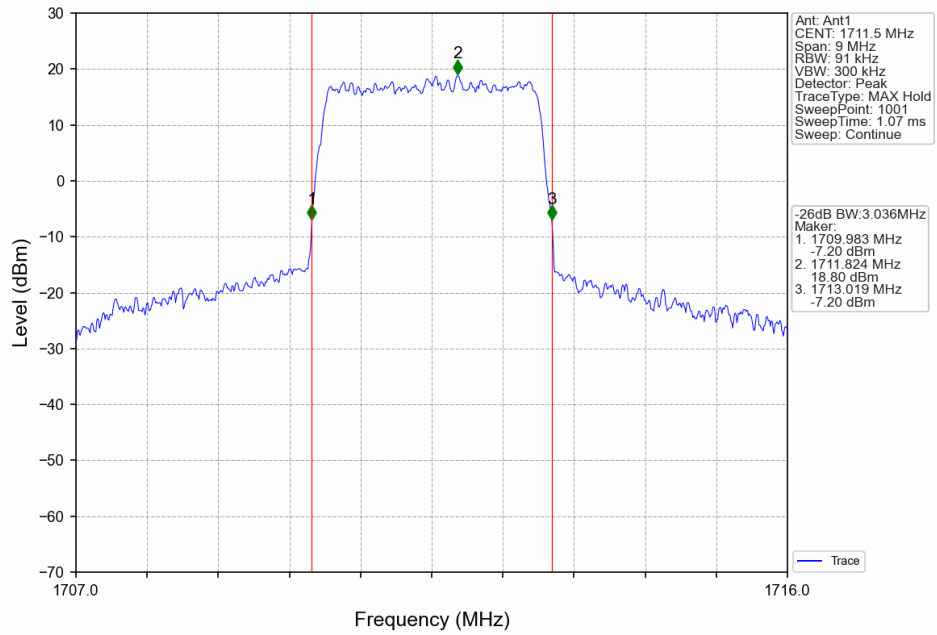
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



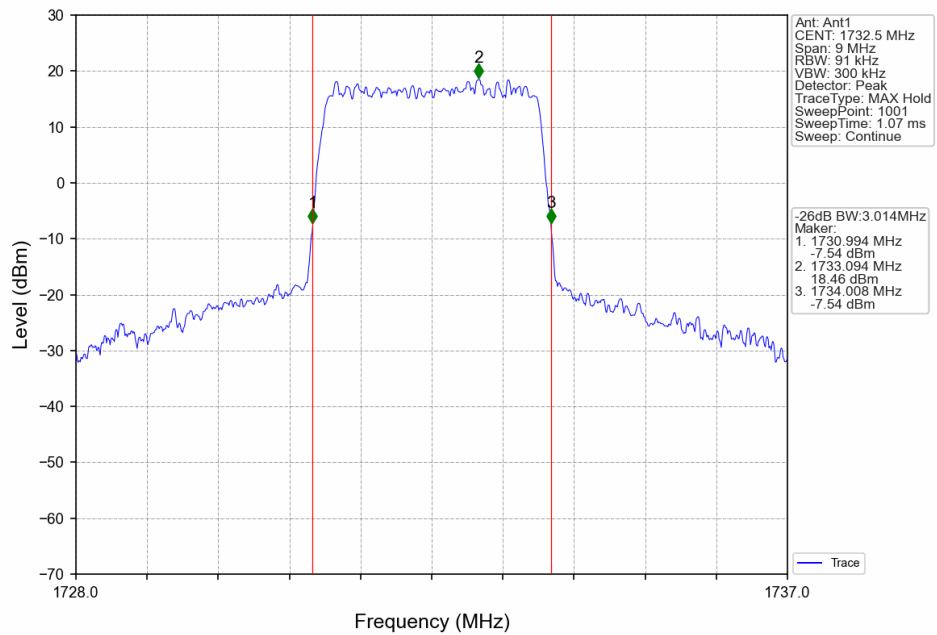
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



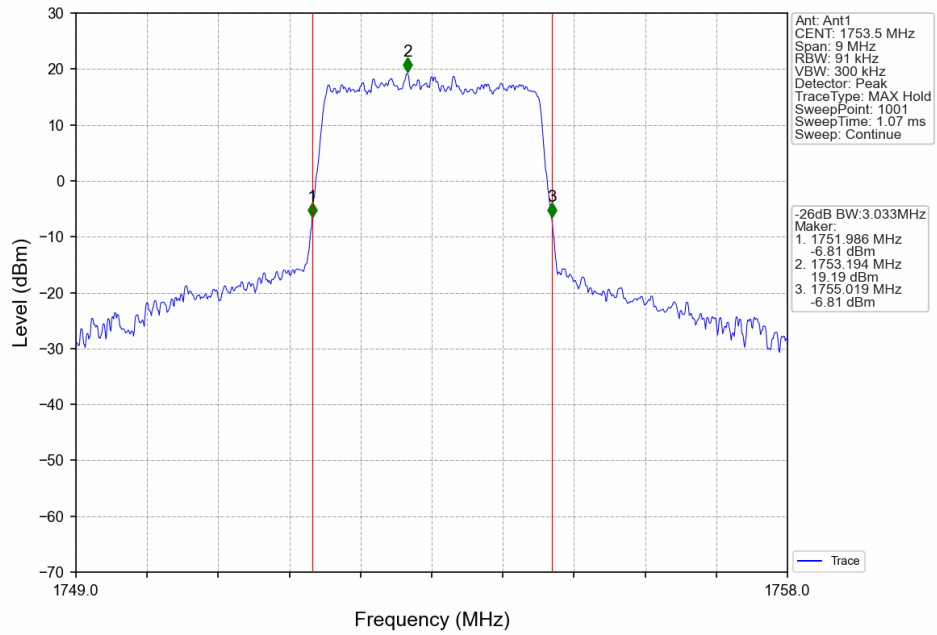
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



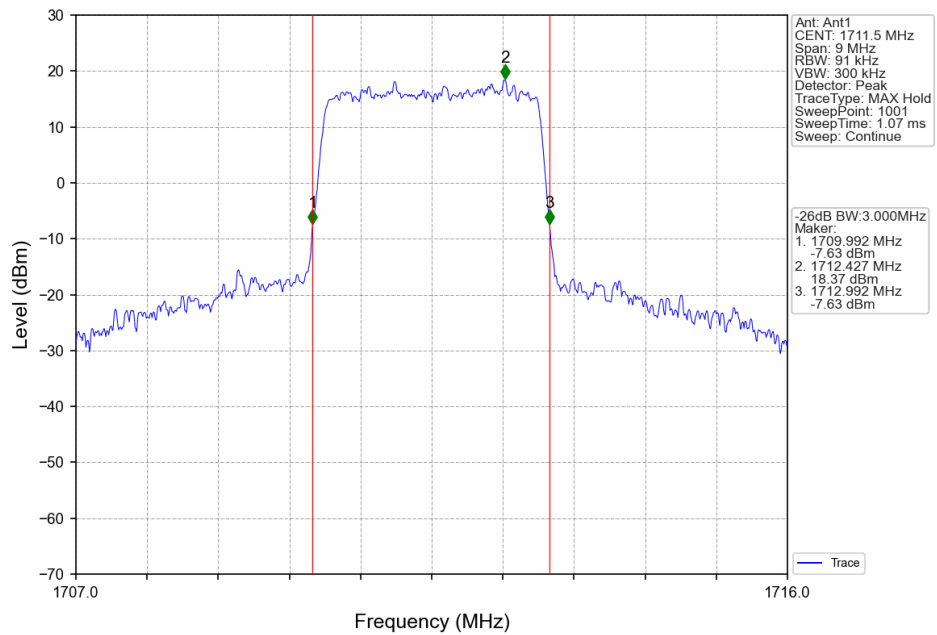
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



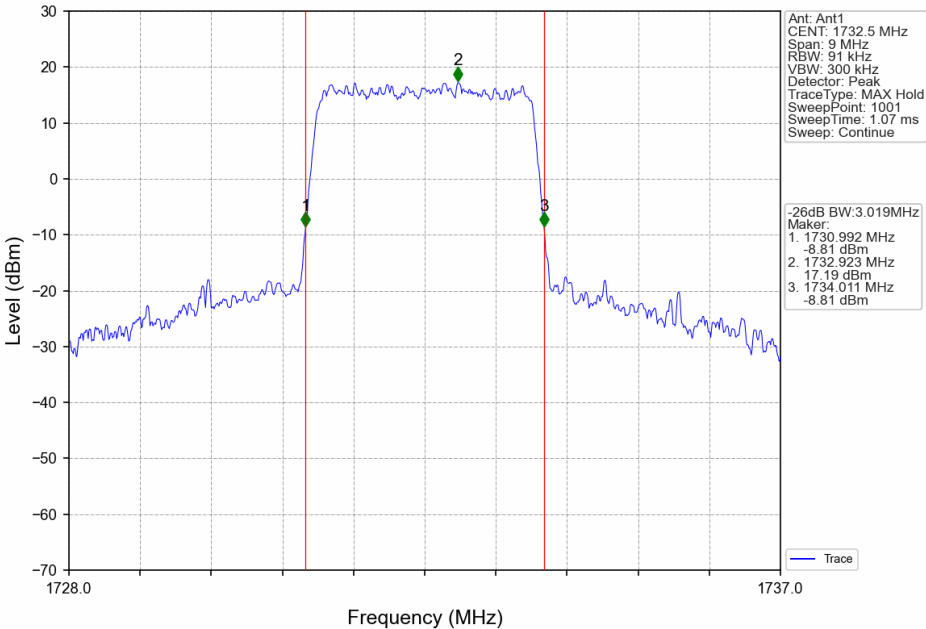
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



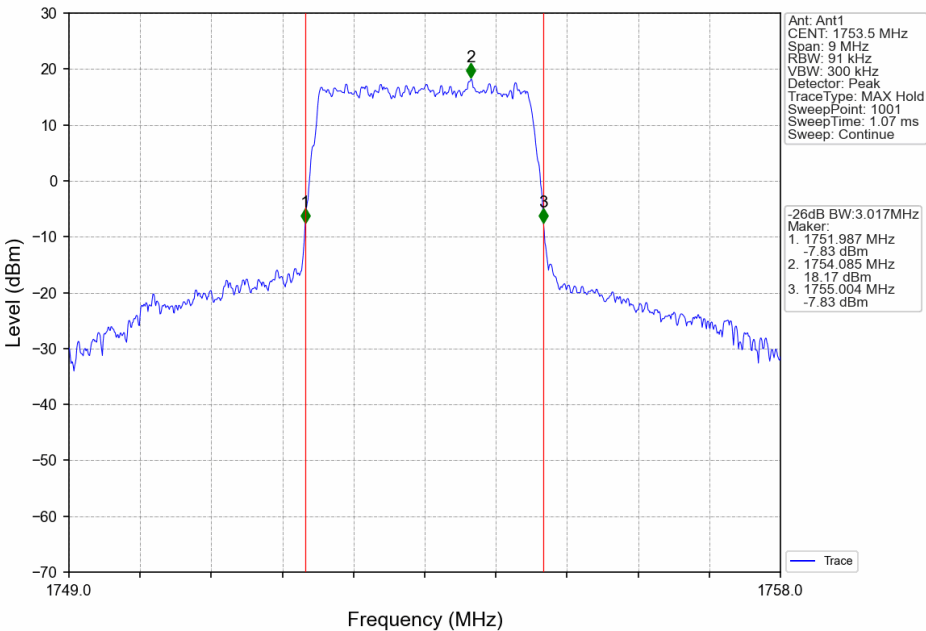
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTV



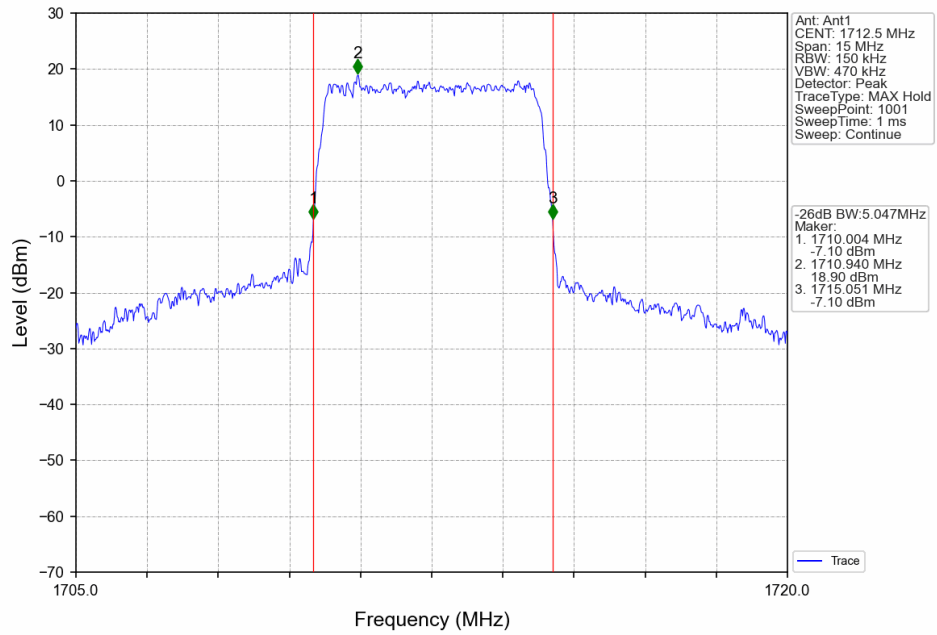
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



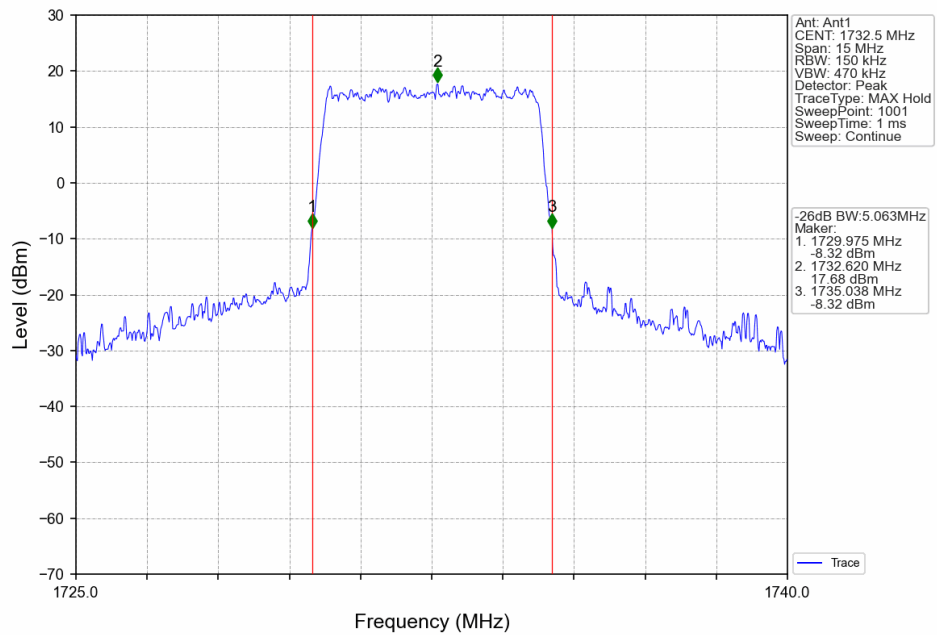
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



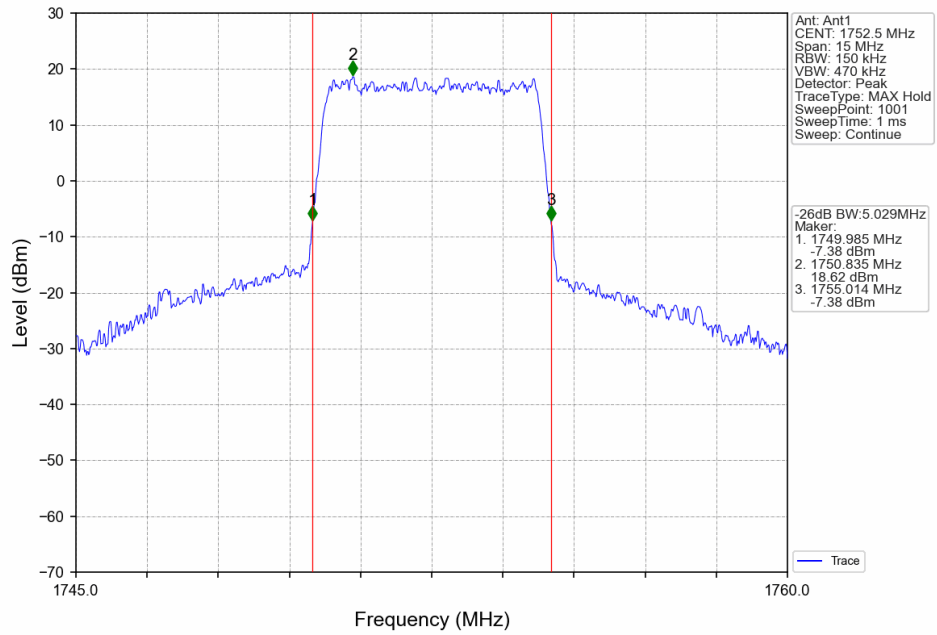
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



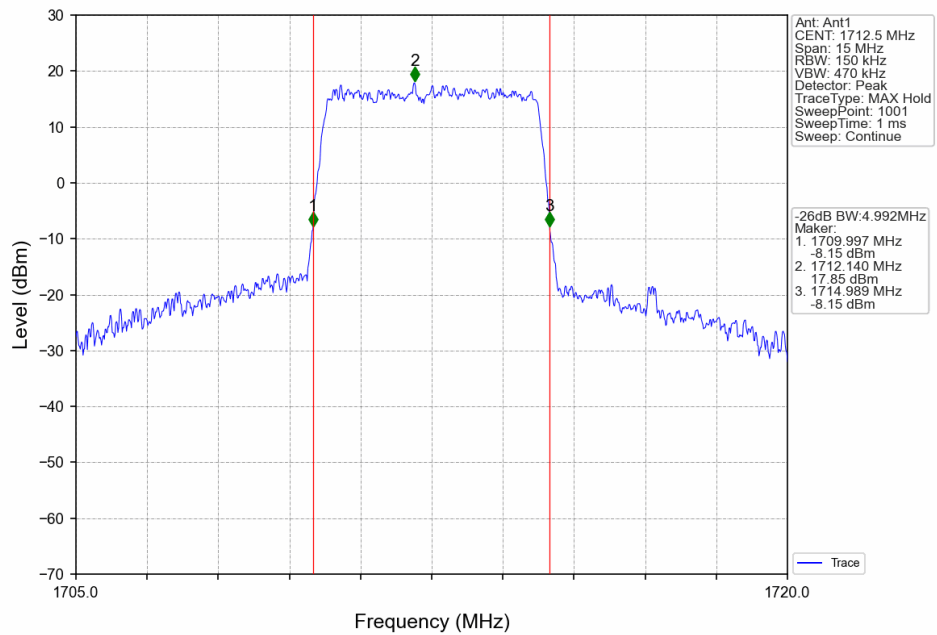
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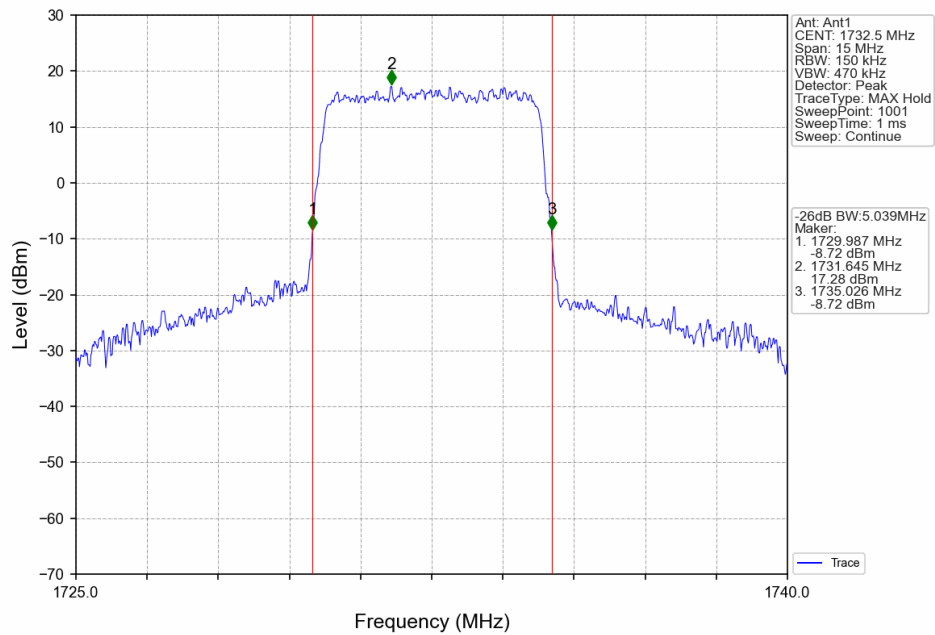
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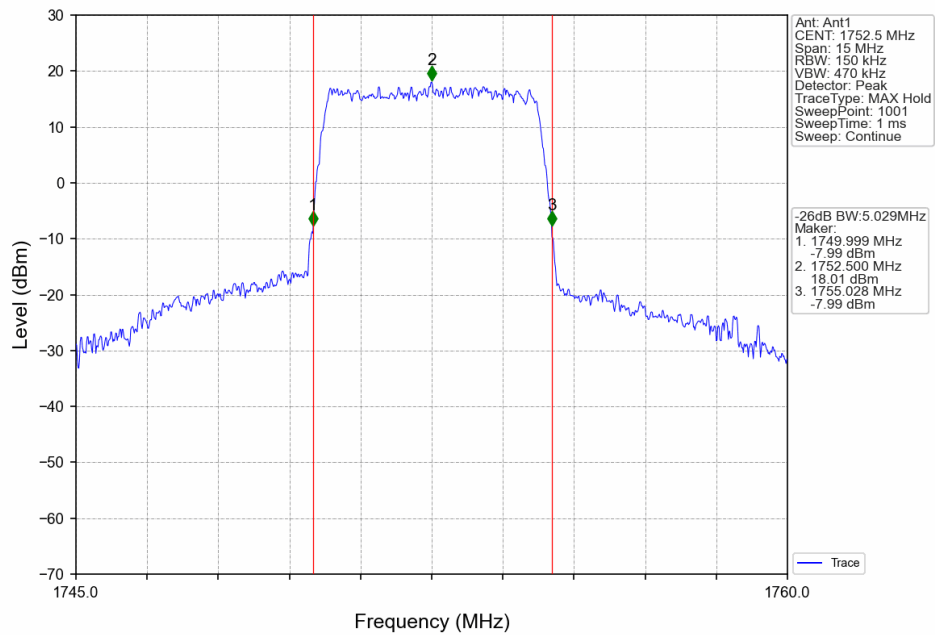
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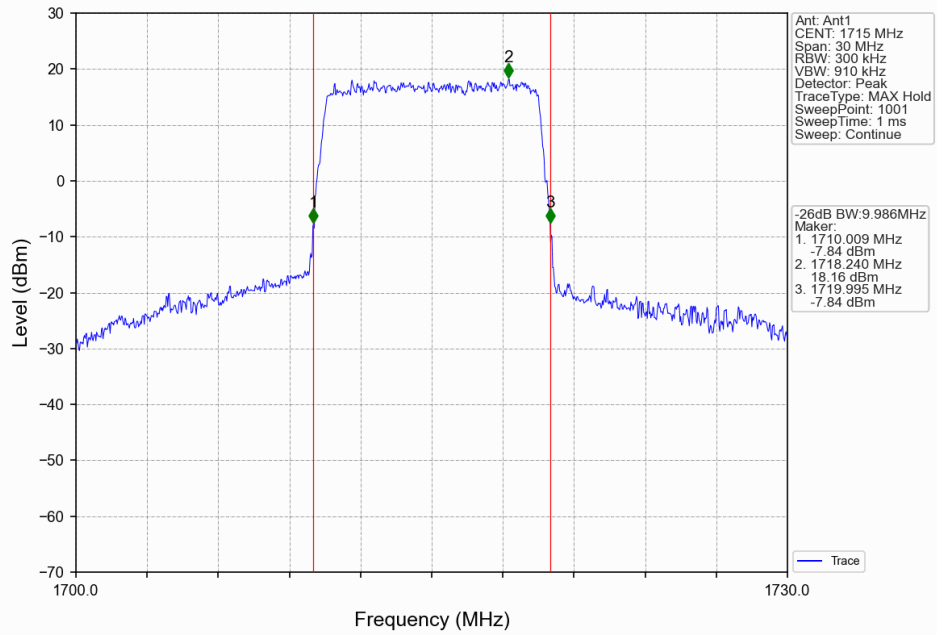
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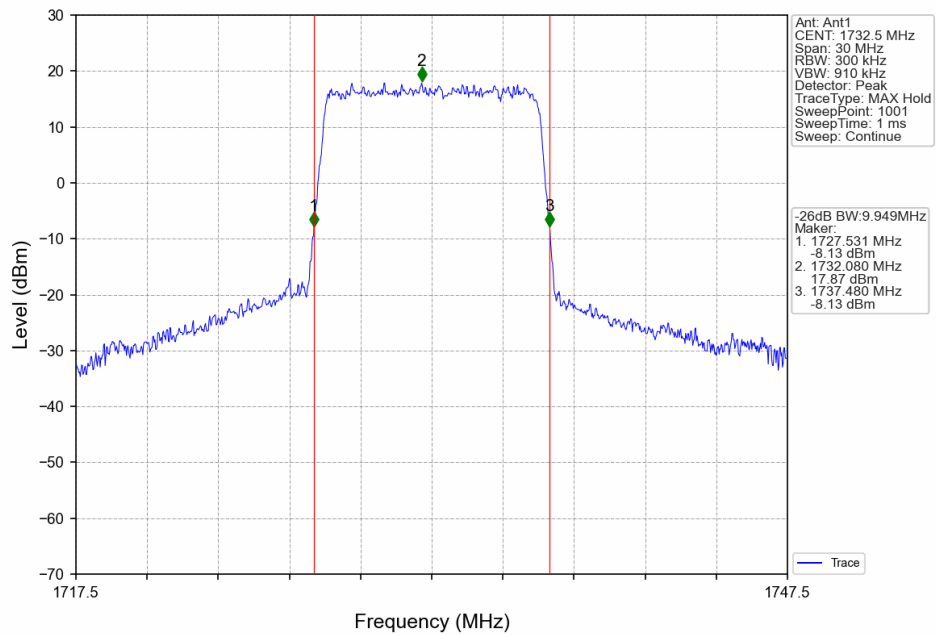
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



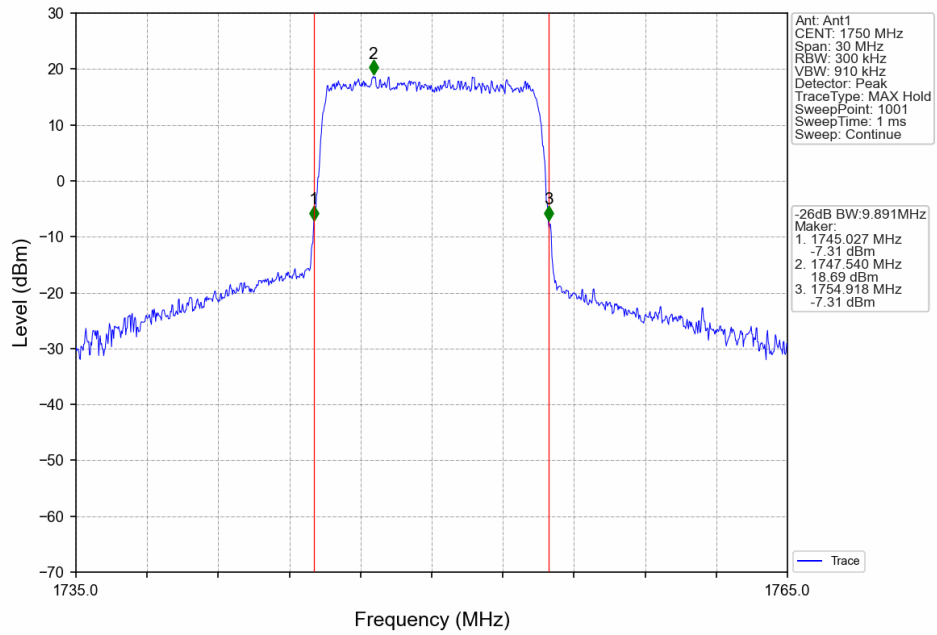
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



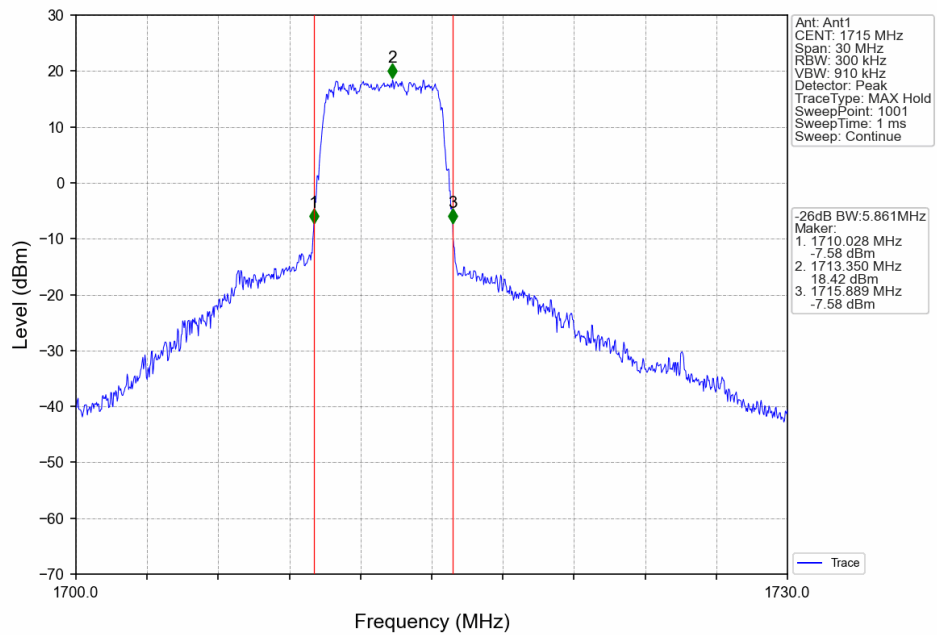
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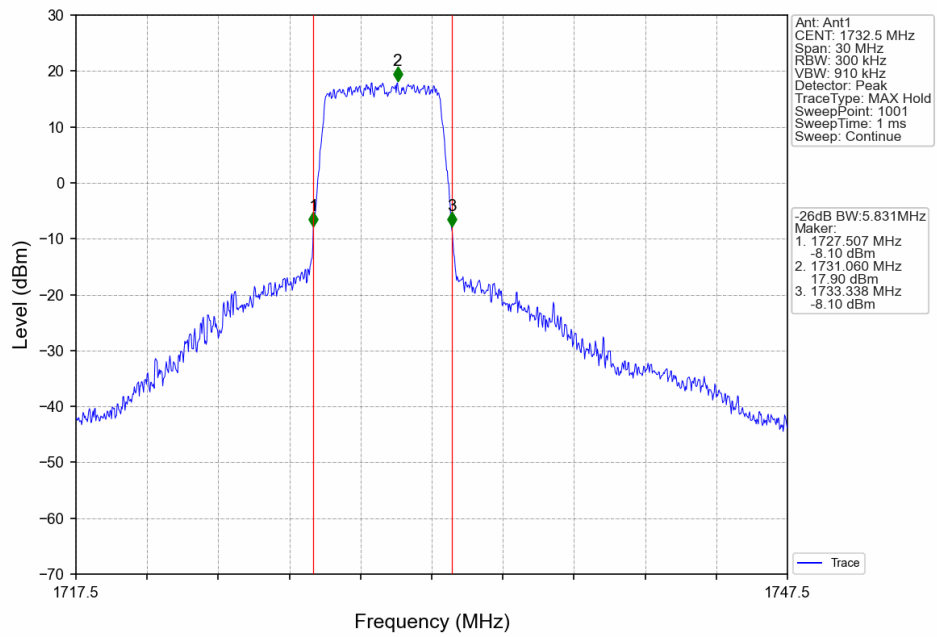
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



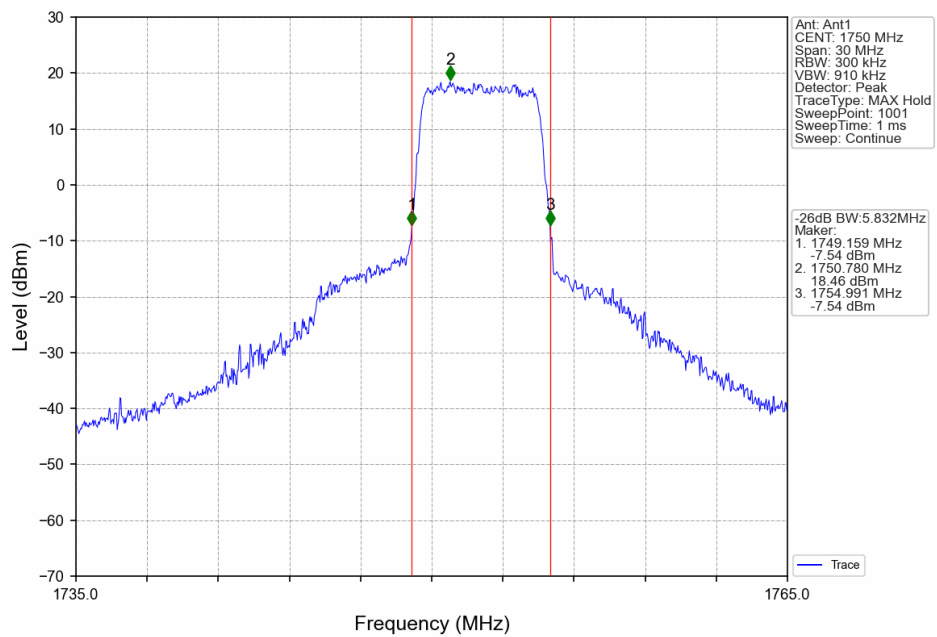
Band4 10MHz 16QAM LCH 1715MHz RB 27 0 NTN



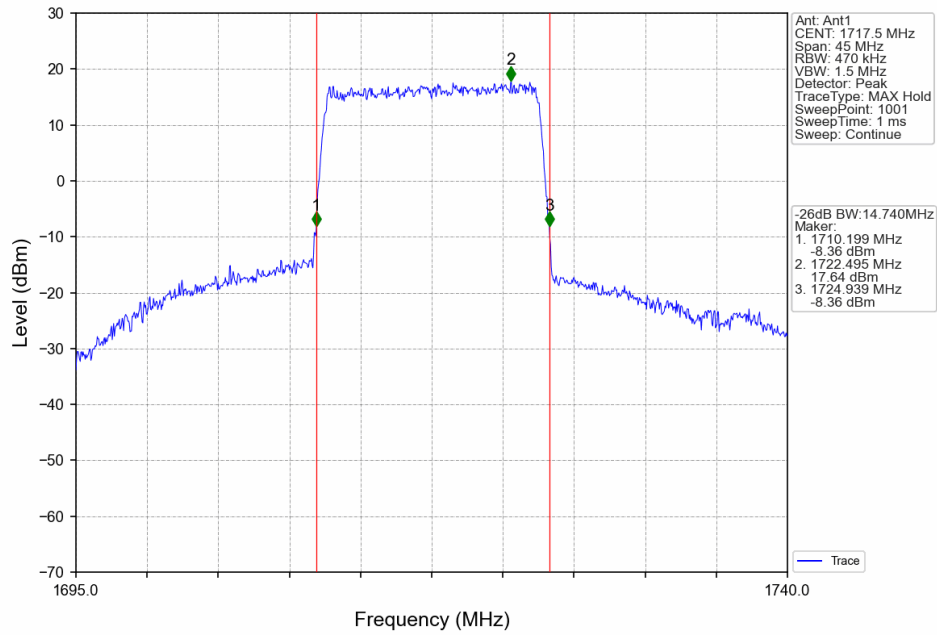
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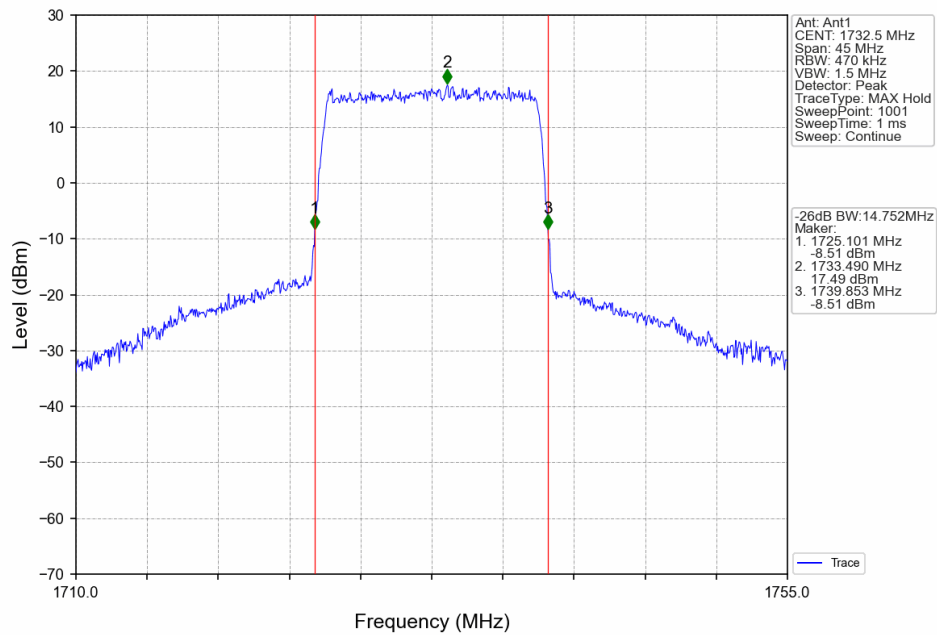
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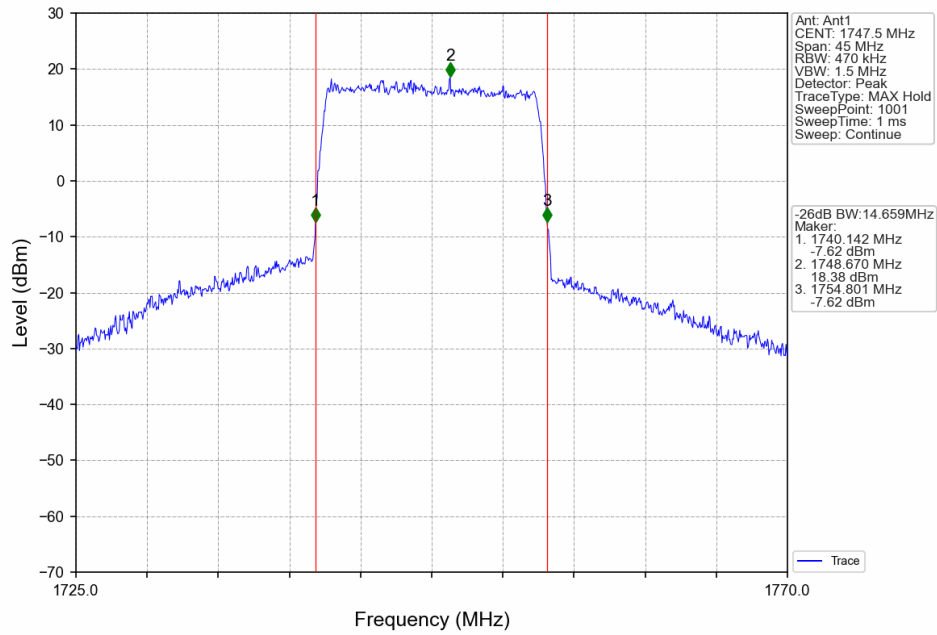
Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



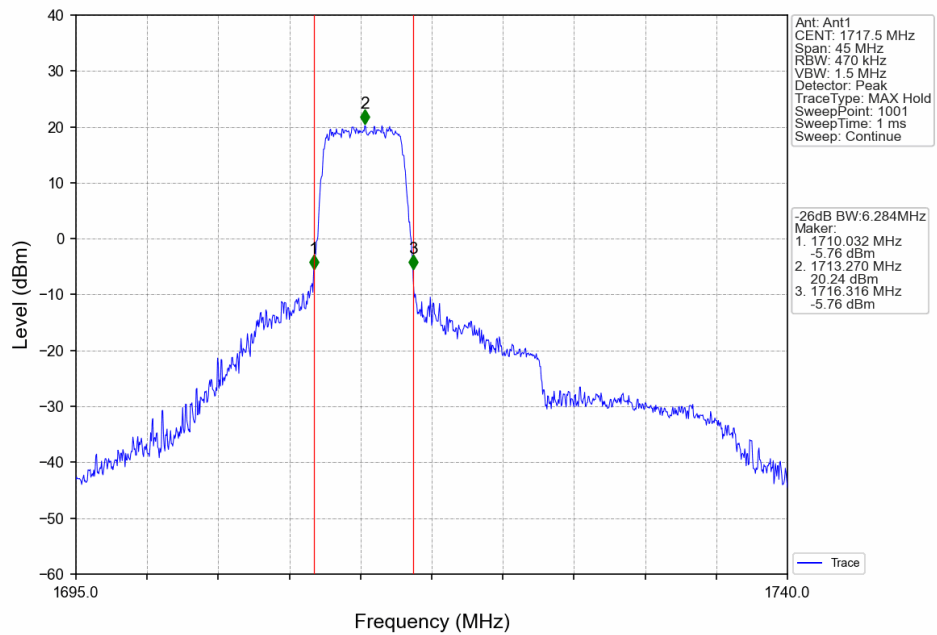
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



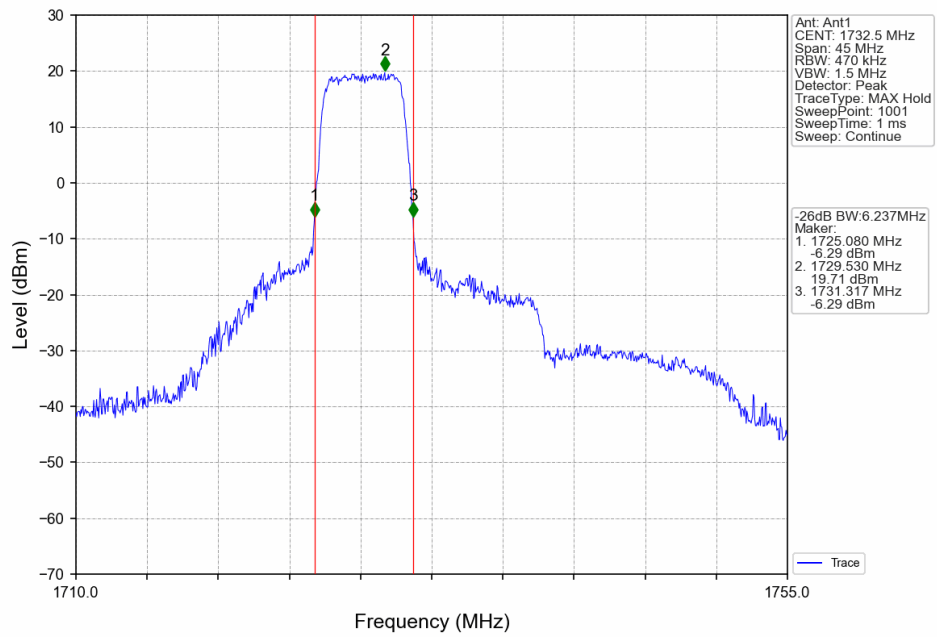
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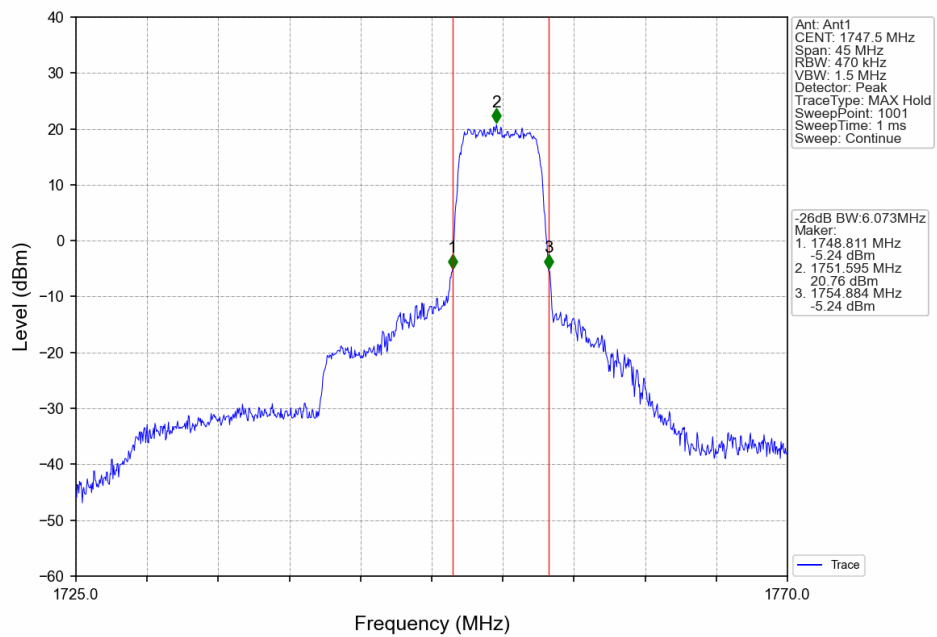
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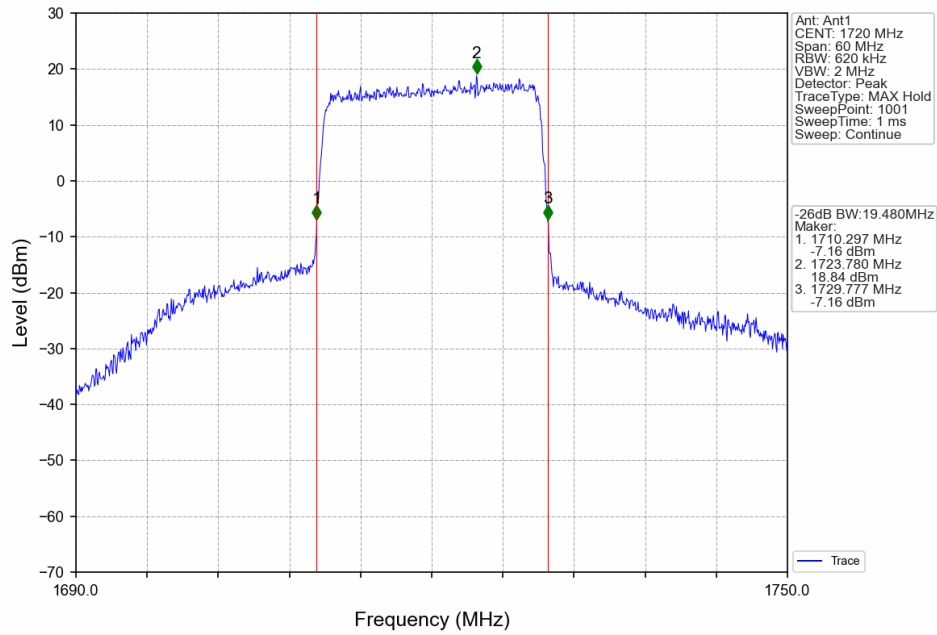
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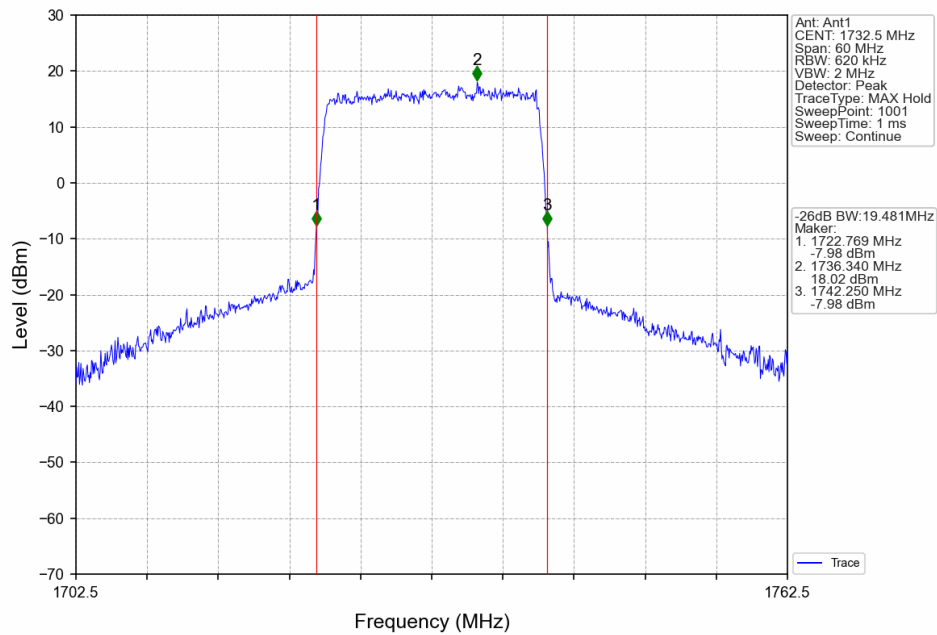
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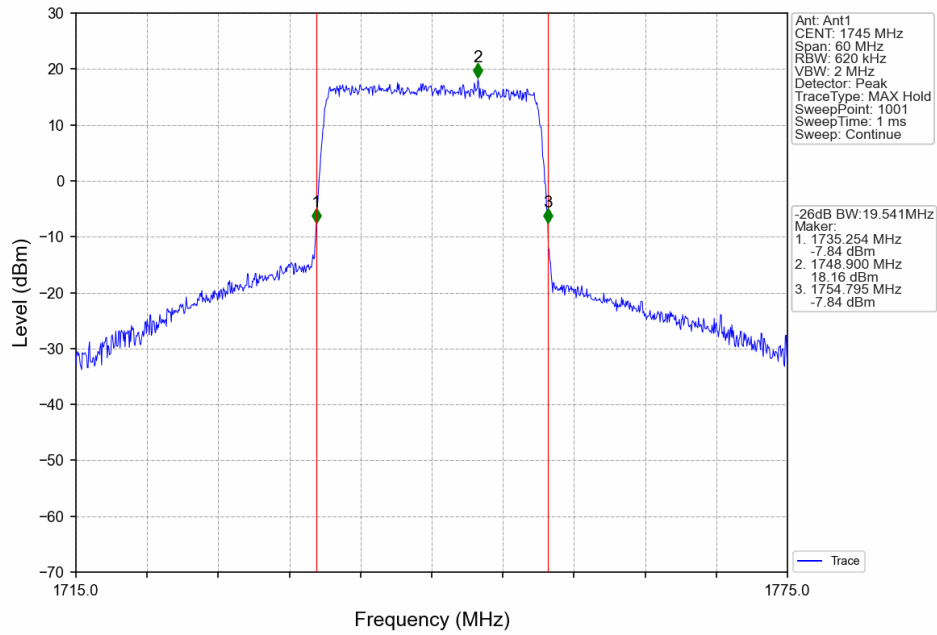
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



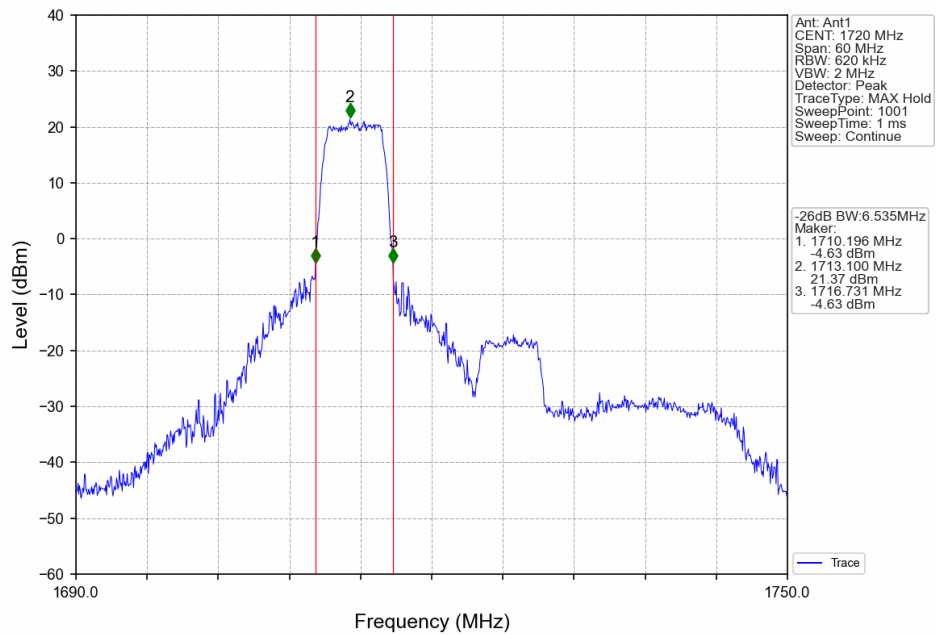
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



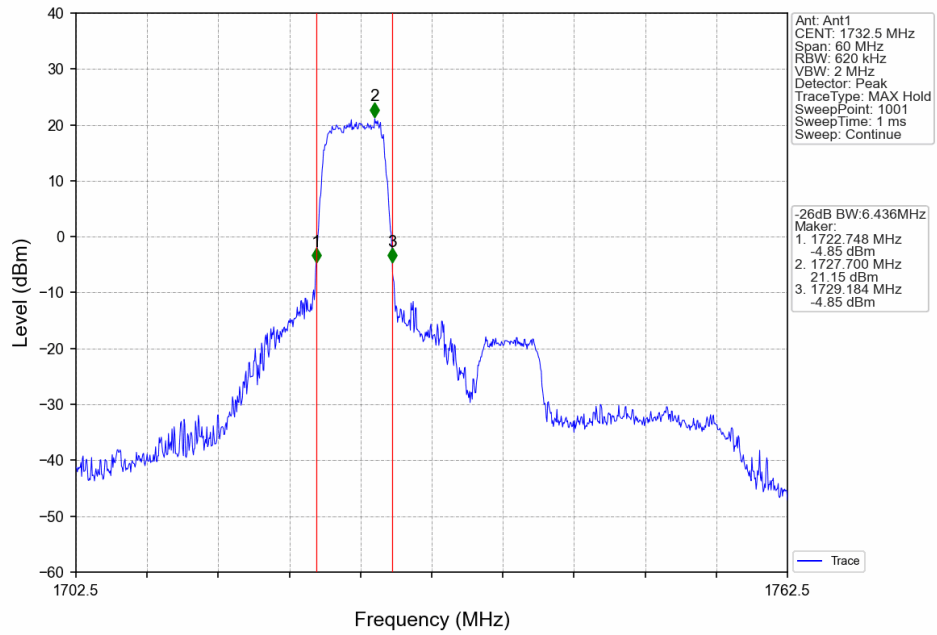
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



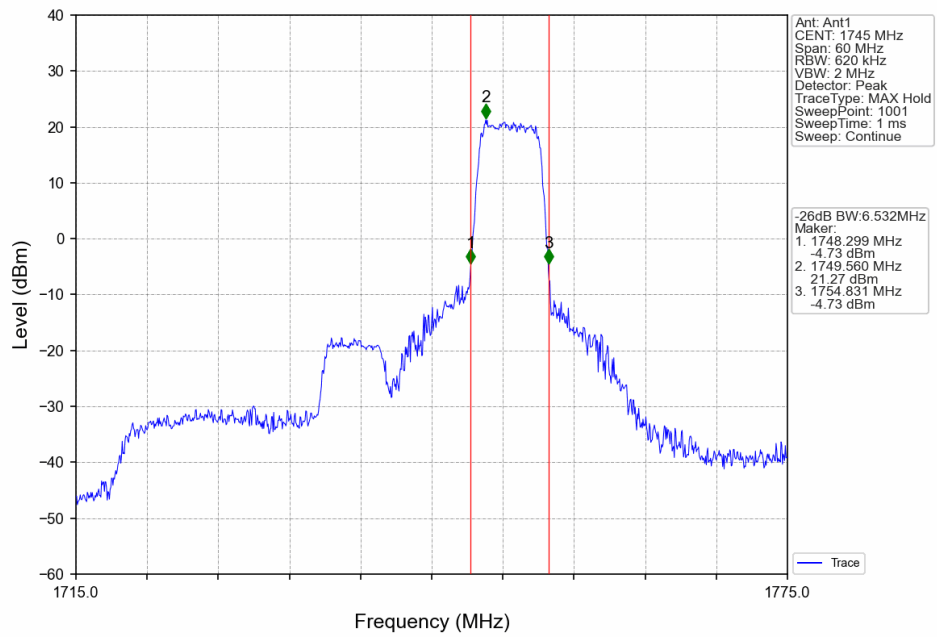
Band4 20MHz 16QAM LCH 1720MHz RB 27 0 NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 27 73 NTNV



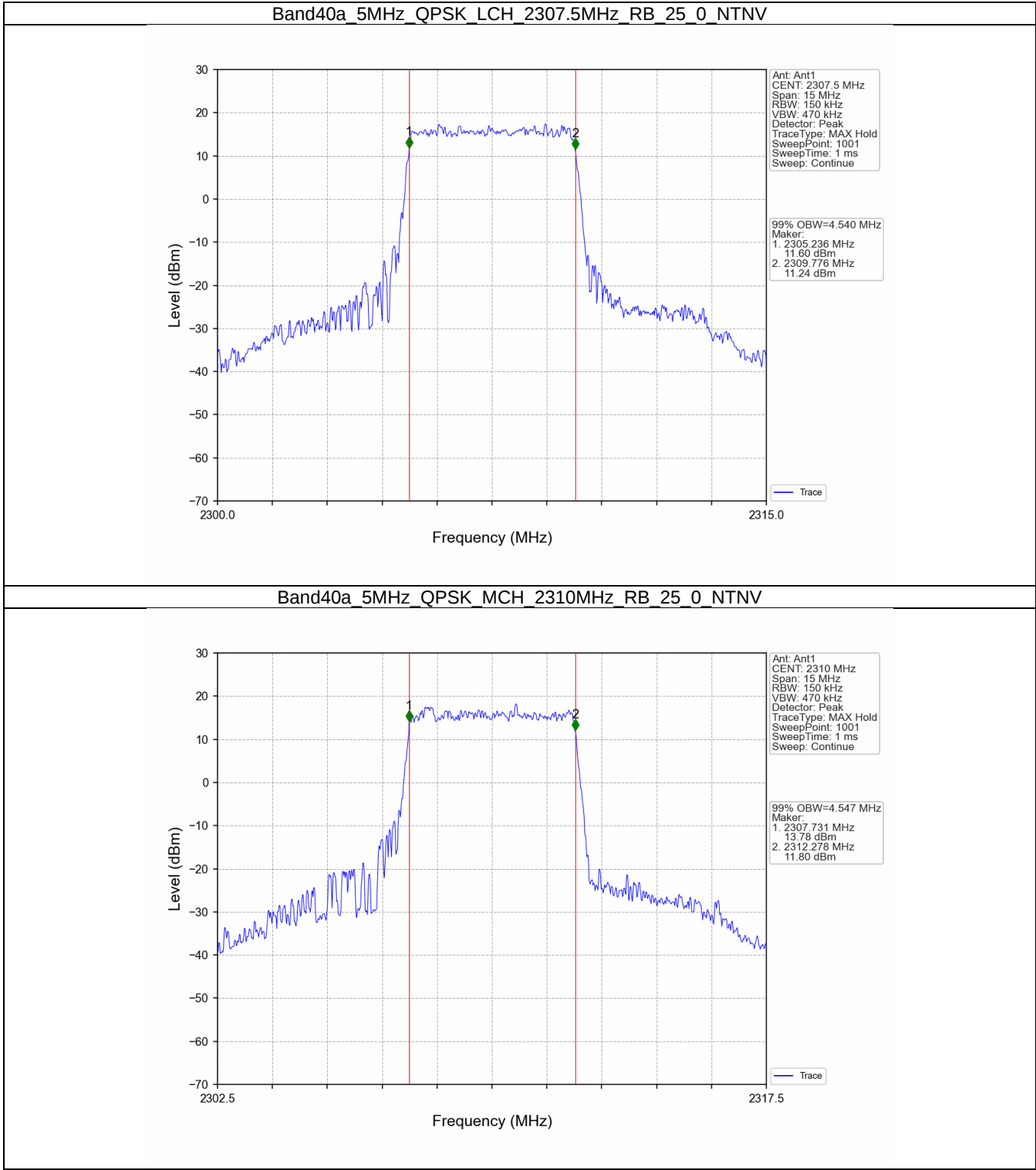
4. 99% & 26dB Bandwidth

4.1 Band40a_OBW

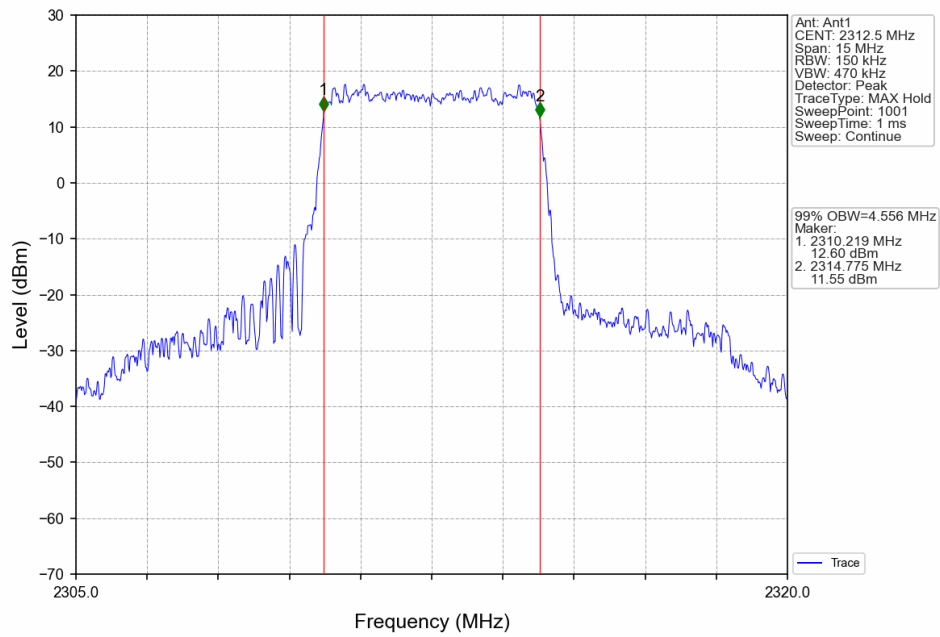
4.1.1 Test Result

Band: 40a / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	4.540	Pass
		2310	25	0	4.547	Pass
		2312.5	25	0	4.556	Pass
	16QAM	2307.5	25	0	4.545	Pass
		2310	25	0	4.540	Pass
		2312.5	25	0	4.527	Pass
10	QPSK	2310	50	0	9.053	Pass
	16QAM	2310	27	0	5.092	Pass

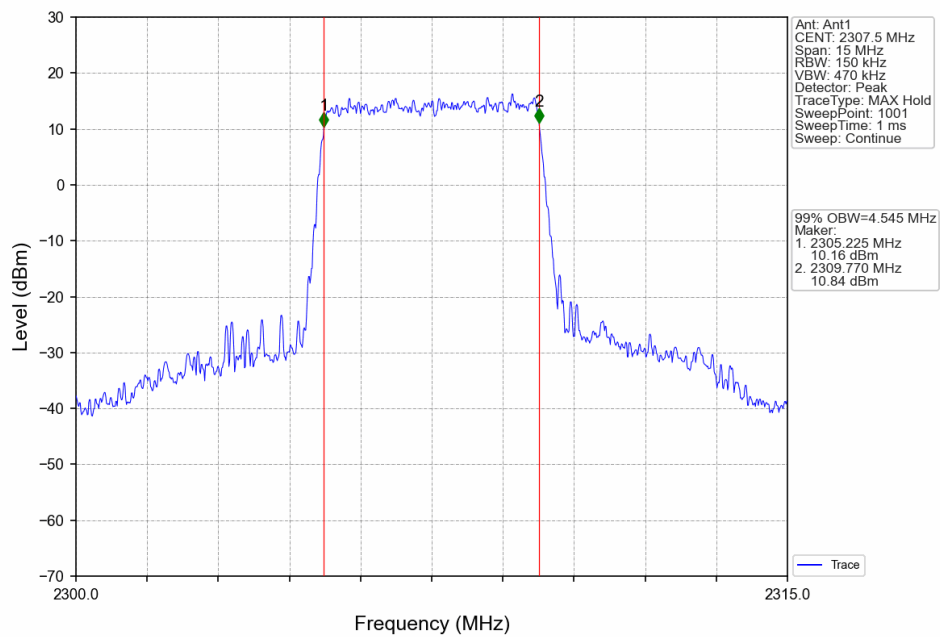
4.1.2 Test Graph



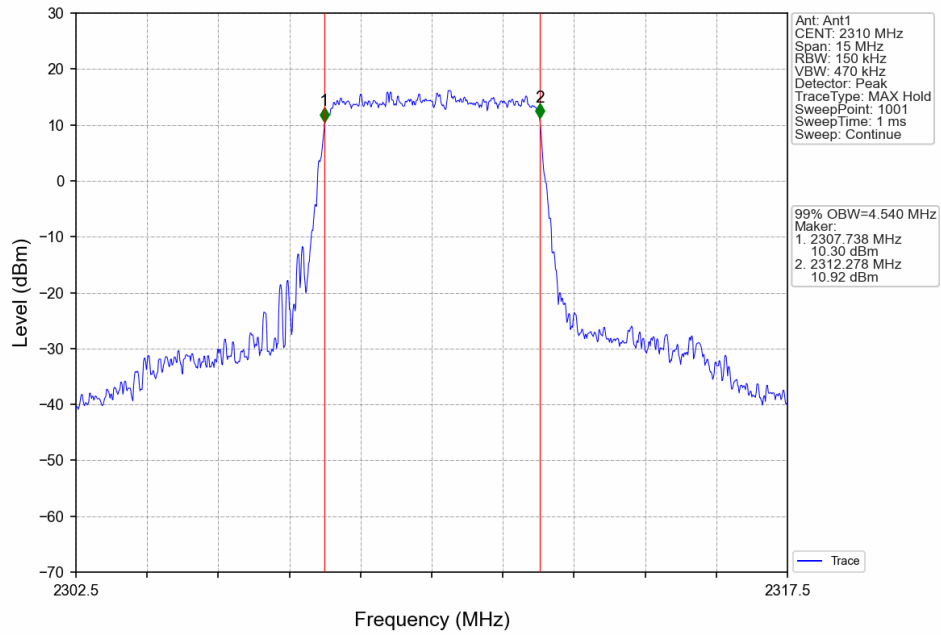
Band40a 5MHz QPSK HCH 2312.5MHz RB 25 0 NTNV



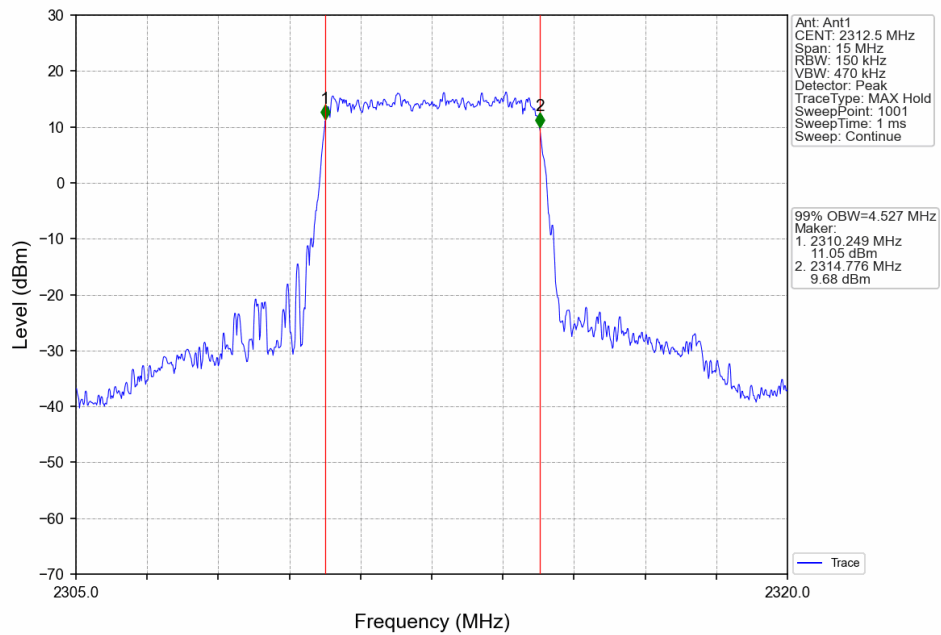
Band40a 5MHz 16QAM LCH 2307.5MHz RB 25 0 NTNV



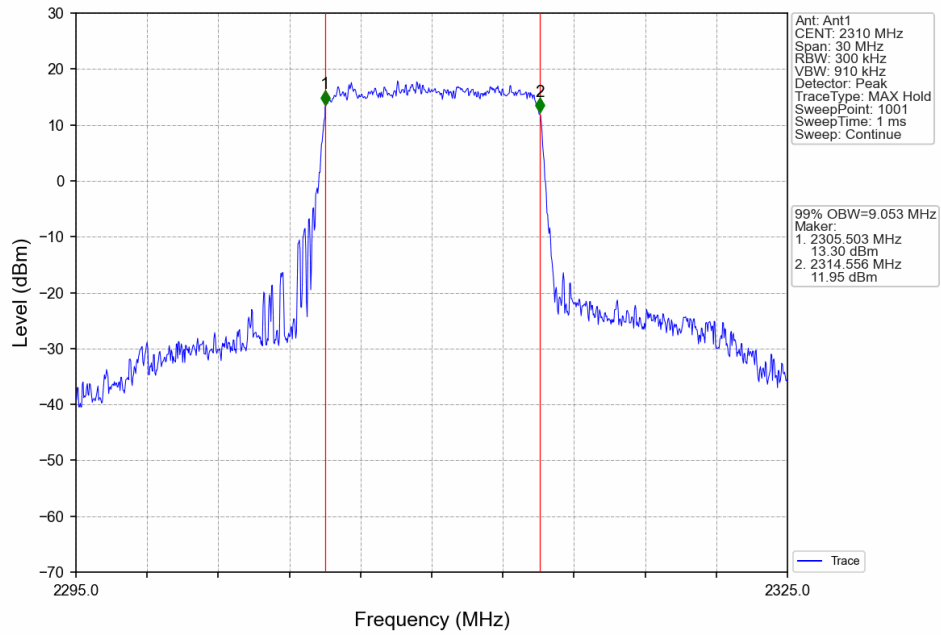
Band40a 5MHz 16QAM MCH 2310MHz RB 25 0 NTNV



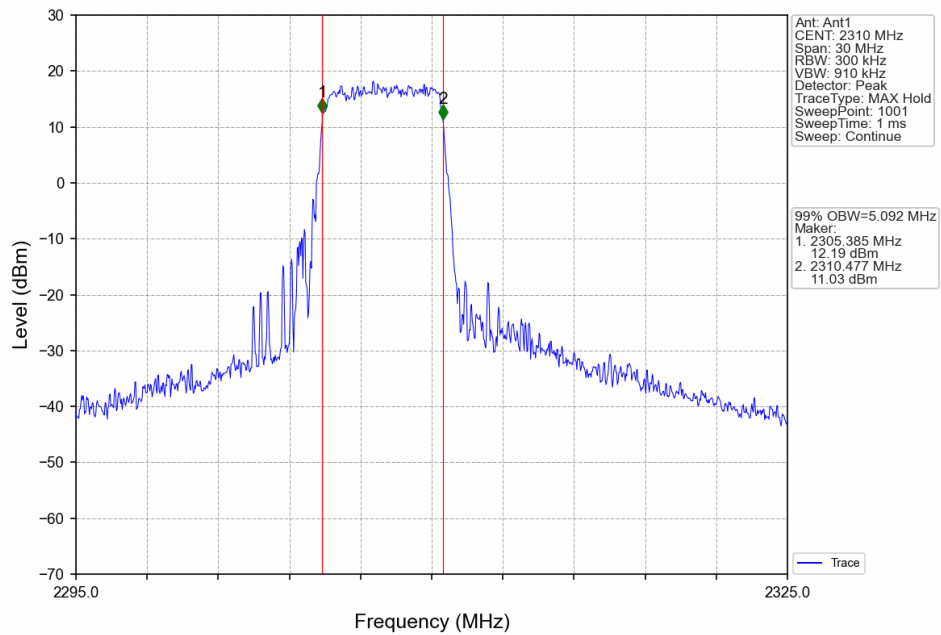
Band40a 5MHz 16QAM HCH 2312.5MHz RB 25 0 NTNV



Band40a 10MHz QPSK MCH 2310MHz RB 50 0 NTNV



Band40a 10MHz 16QAM MCH 2310MHz RB 27 0 NTNV

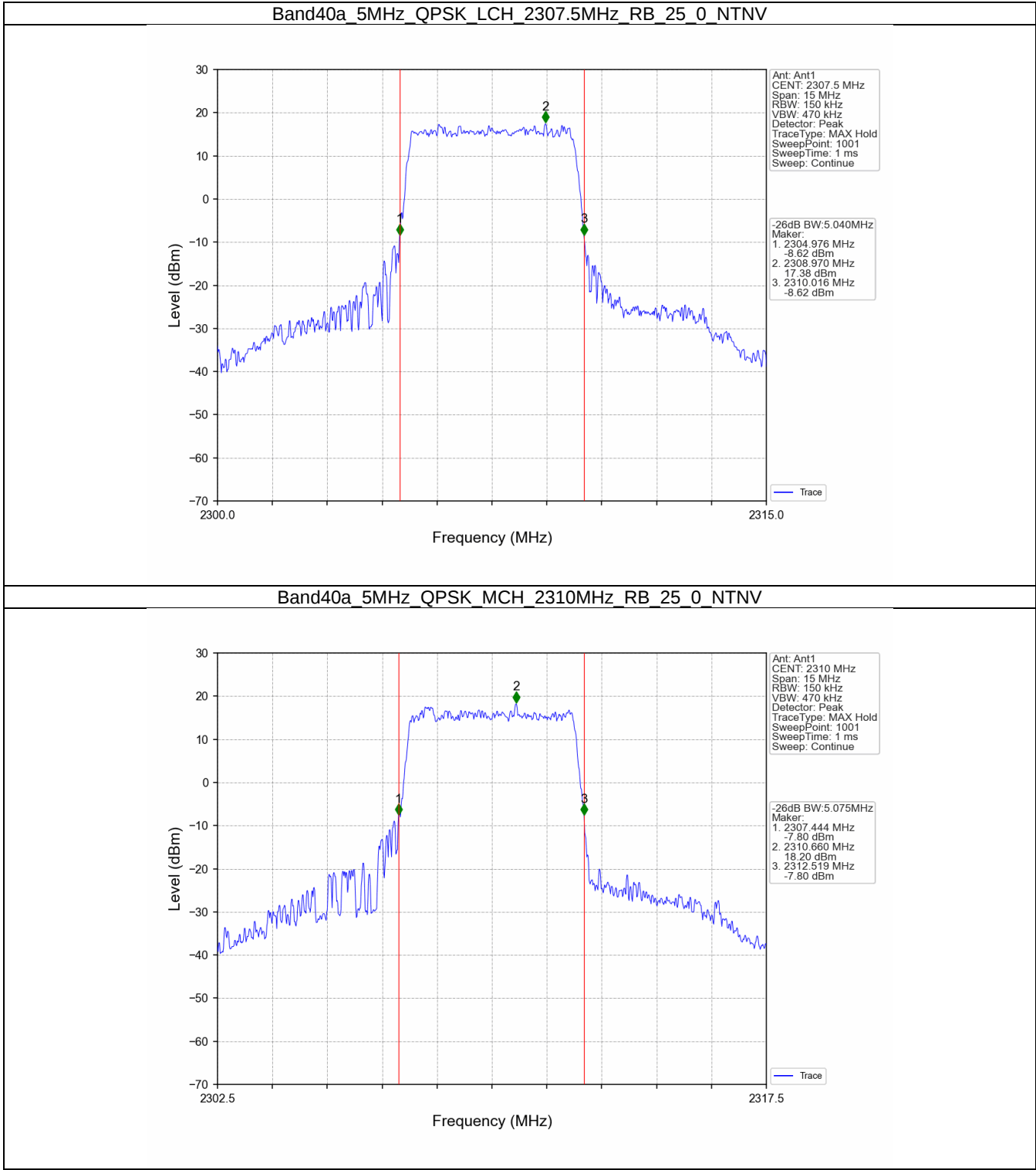


4.2 Band40a_XDB

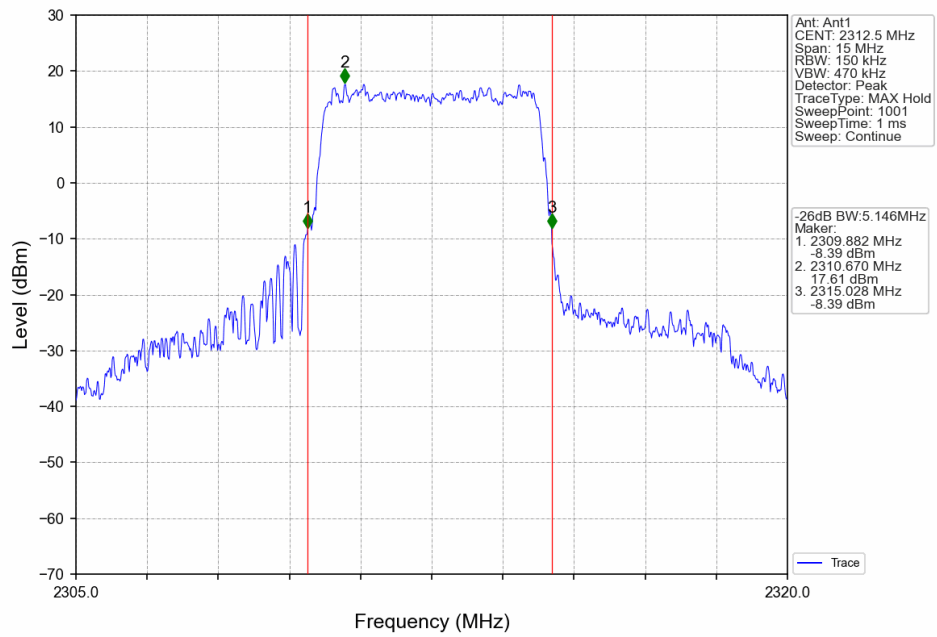
4.2.1 Test Result

Band: 40a / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	5.040	Pass
		2310	25	0	5.075	Pass
		2312.5	25	0	5.146	Pass
	16QAM	2307.5	25	0	5.024	Pass
		2310	25	0	5.065	Pass
		2312.5	25	0	5.059	Pass
10	QPSK	2310	50	0	10.117	Pass
	16QAM	2310	27	0	5.897	Pass

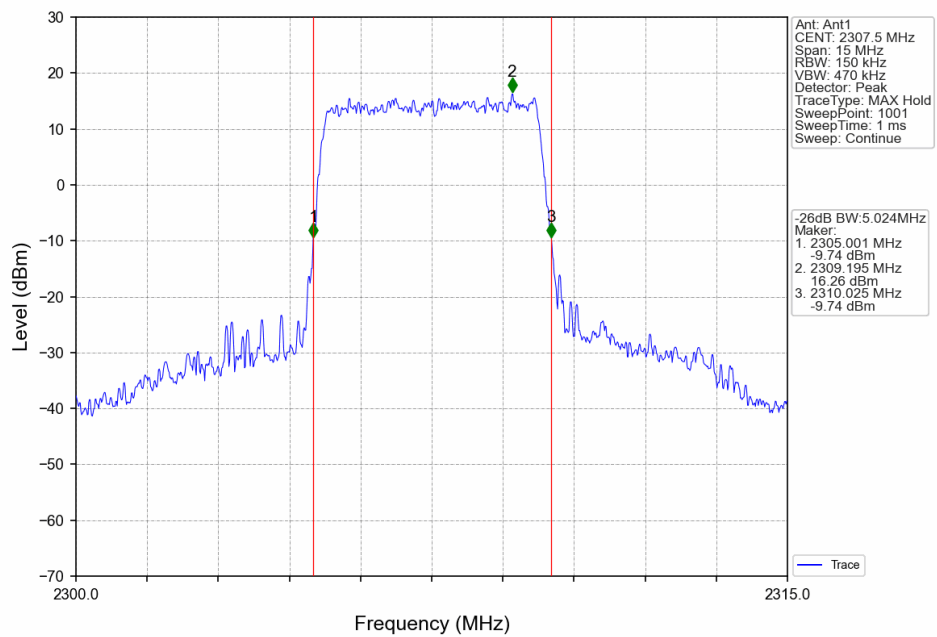
4.2.2 Test Graph



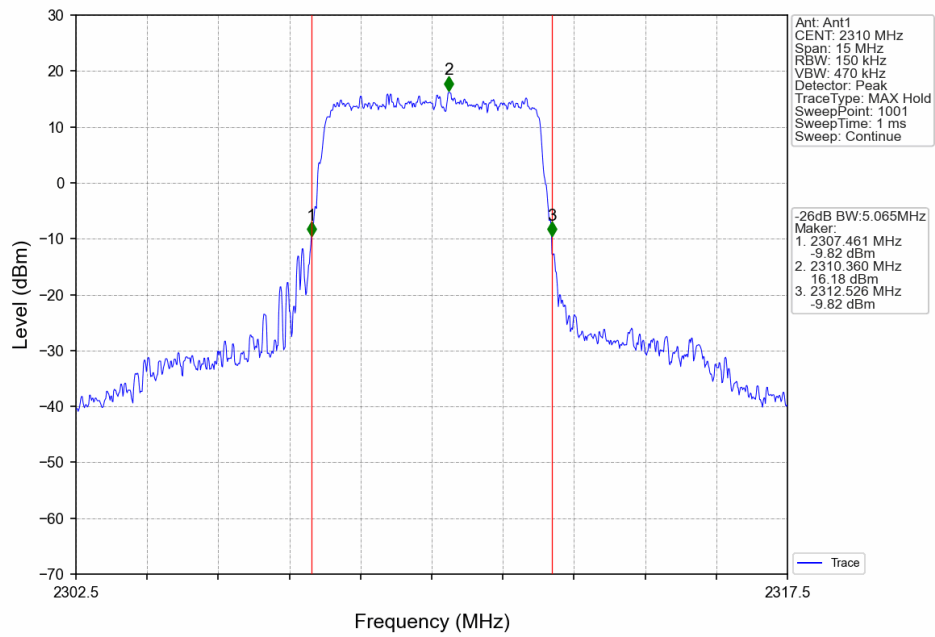
Band40a 5MHz QPSK HCH 2312.5MHz RB 25 0 NTN



Band40a 5MHz 16QAM LCH 2307.5MHz RB 25 0 NTN



Band40a 5MHz 16QAM MCH 2310MHz RB 25 0 NTNV



Band40a 5MHz 16QAM HCH 2312.5MHz RB 25 0 NTNV

