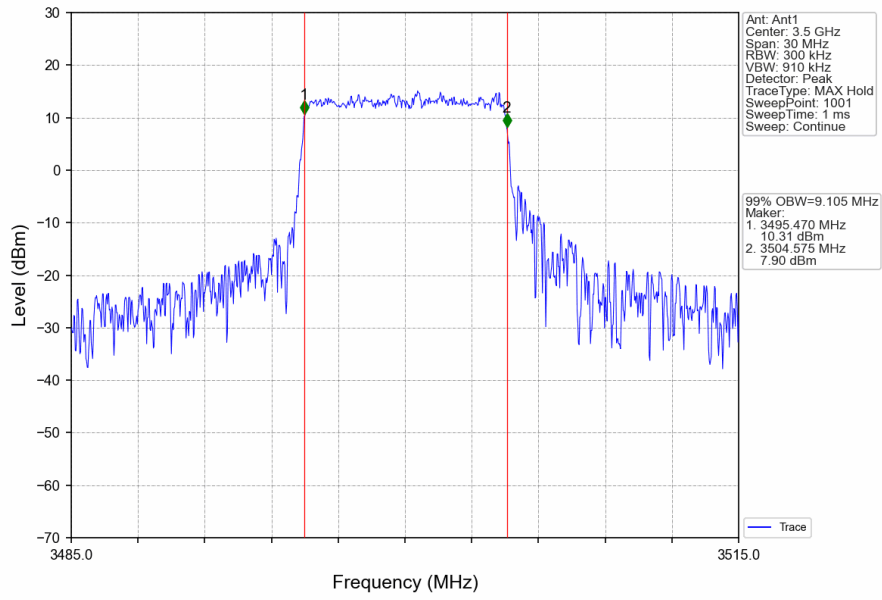
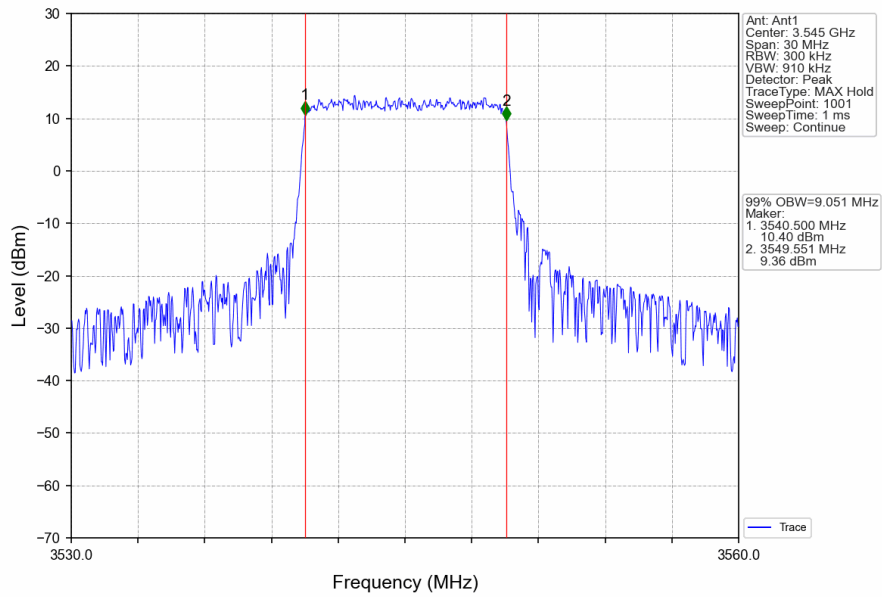


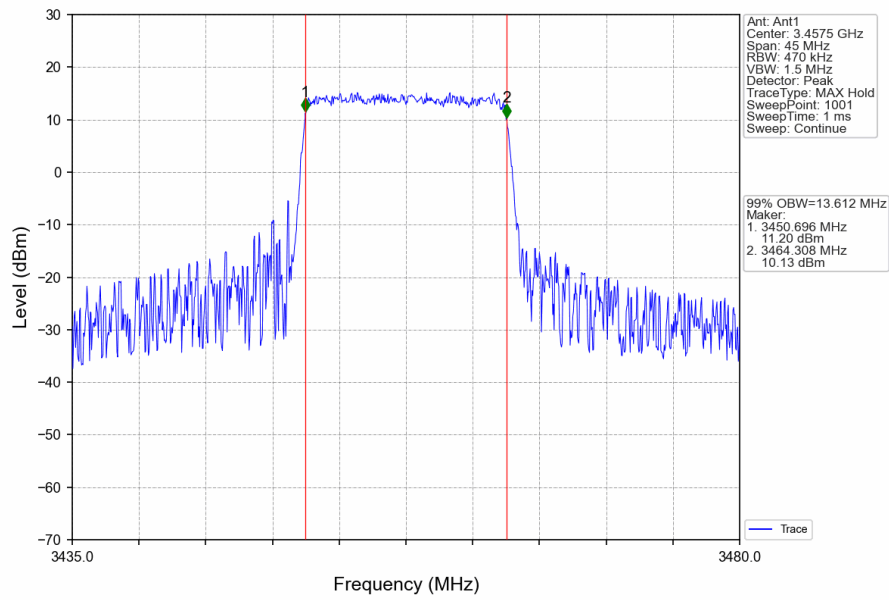
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



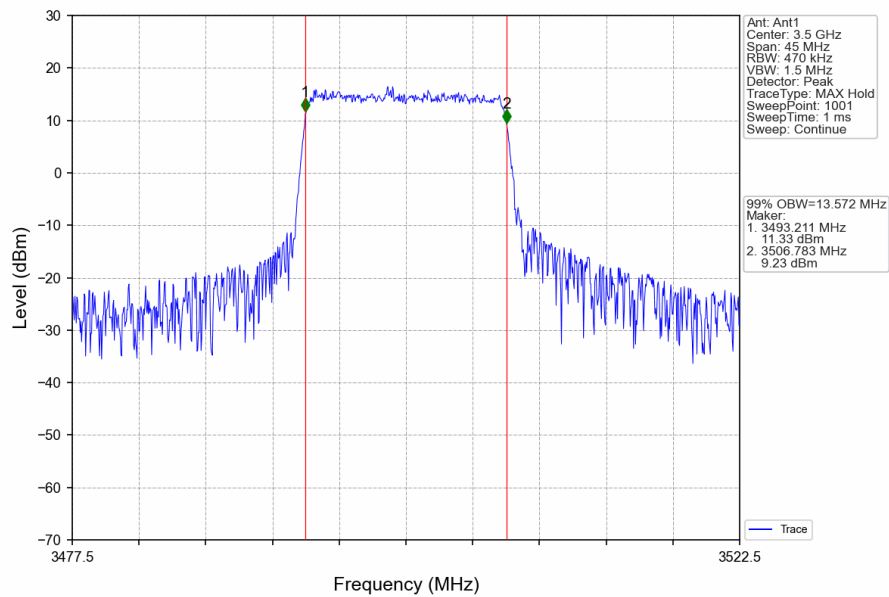
Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



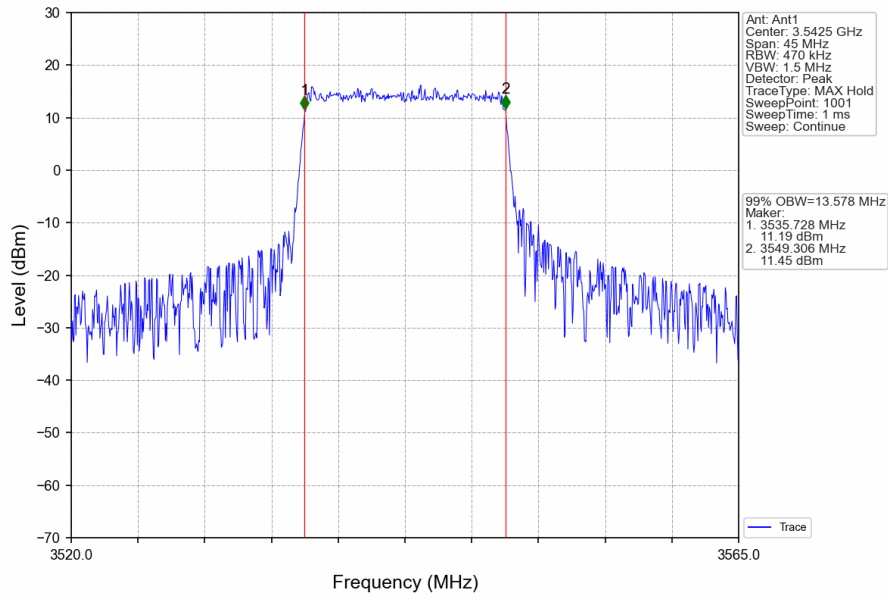
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



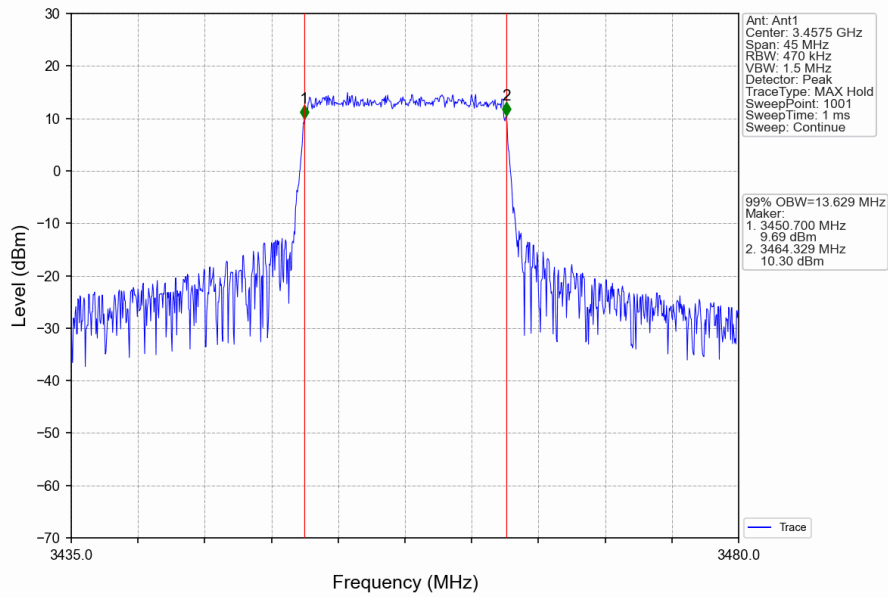
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



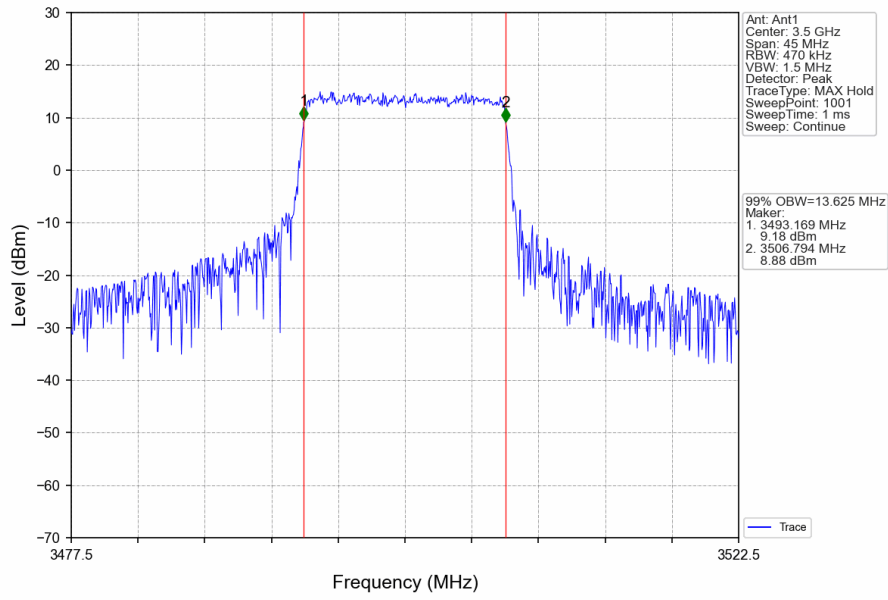
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



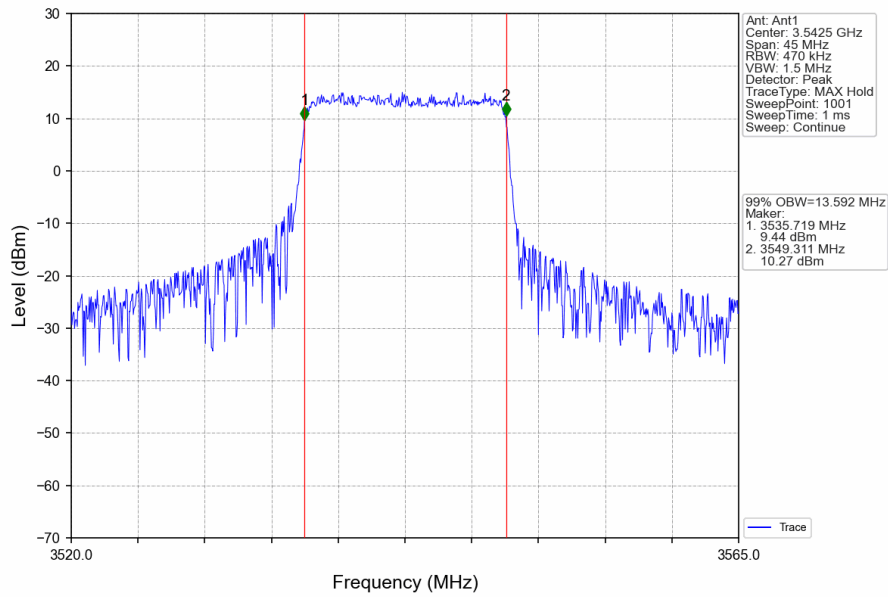
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



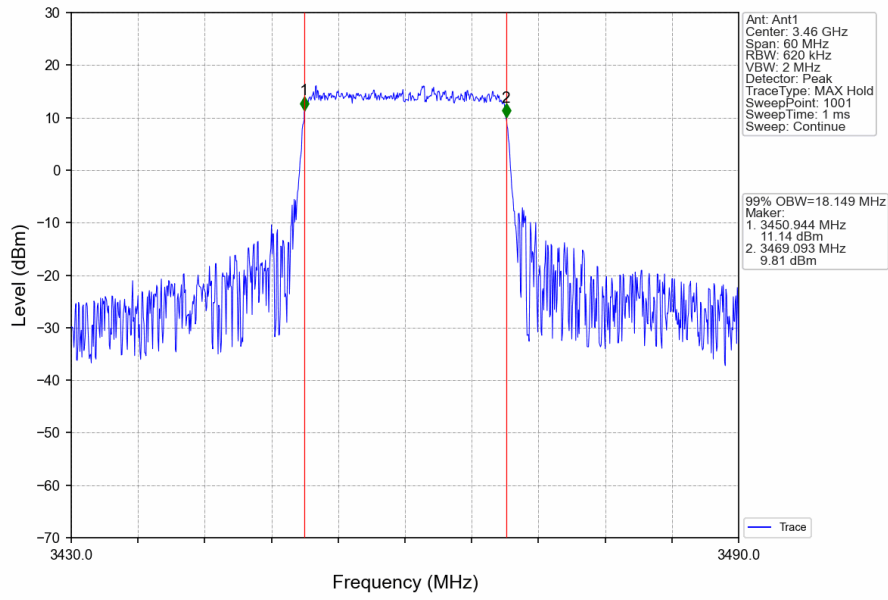
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



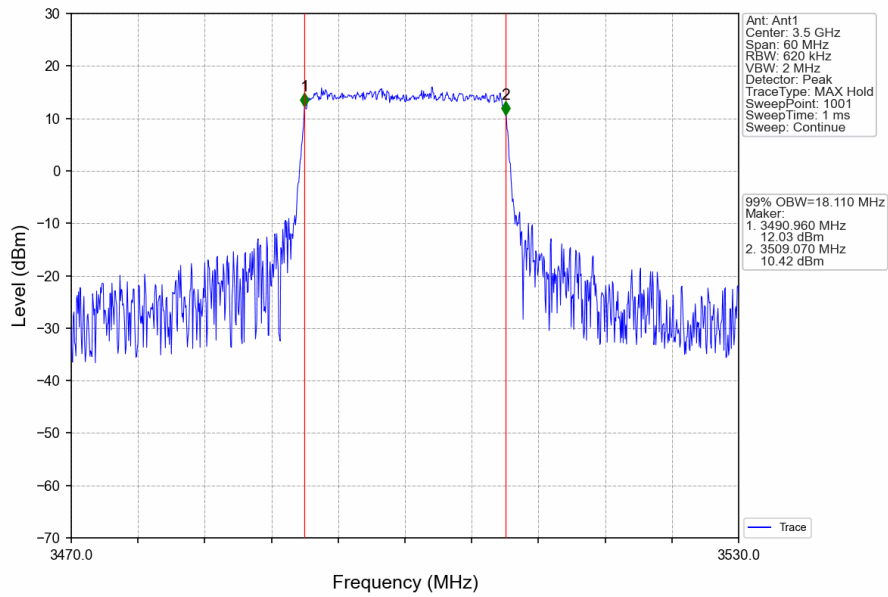
Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



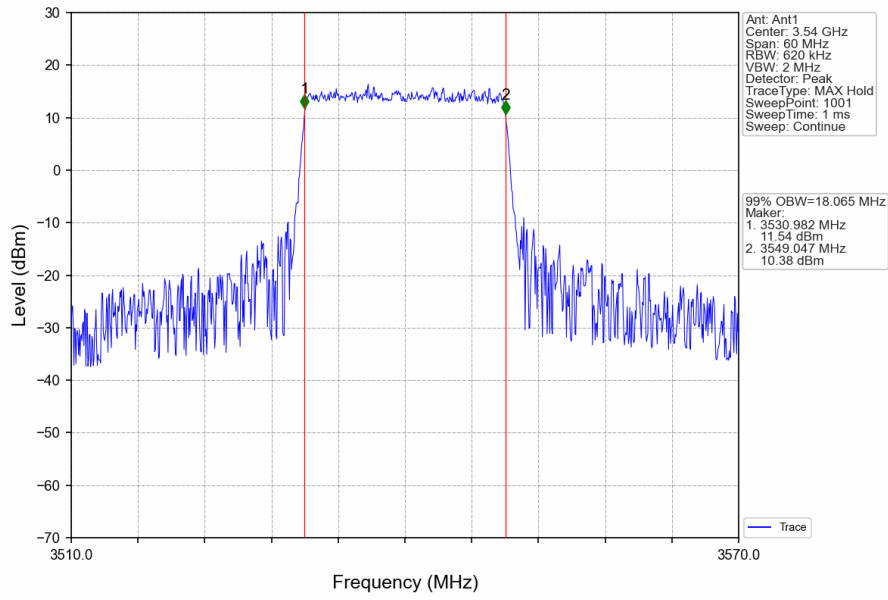
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



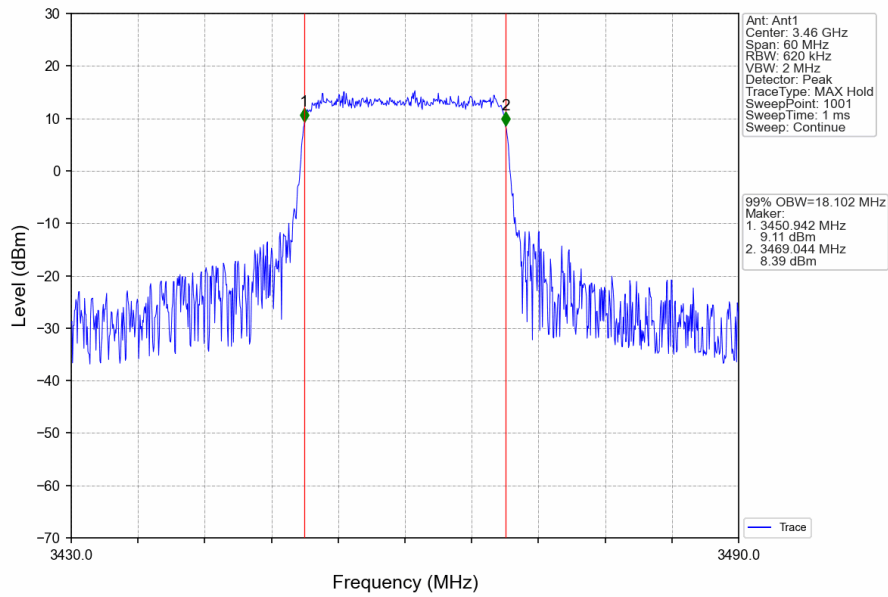
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



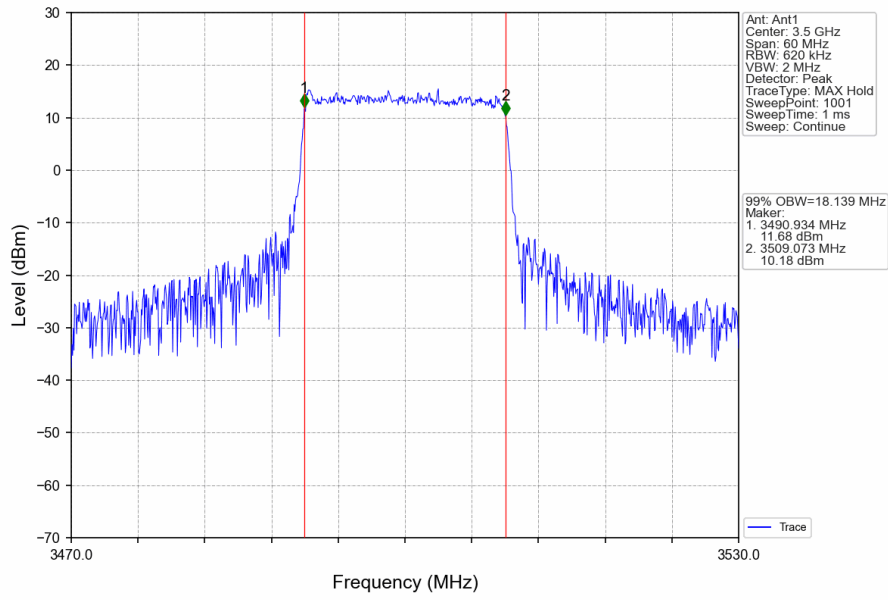
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



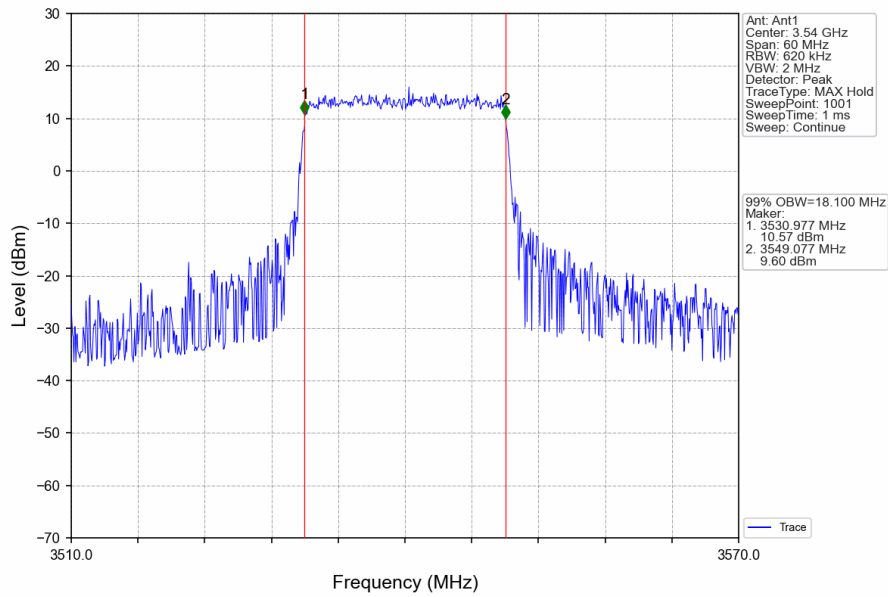
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV

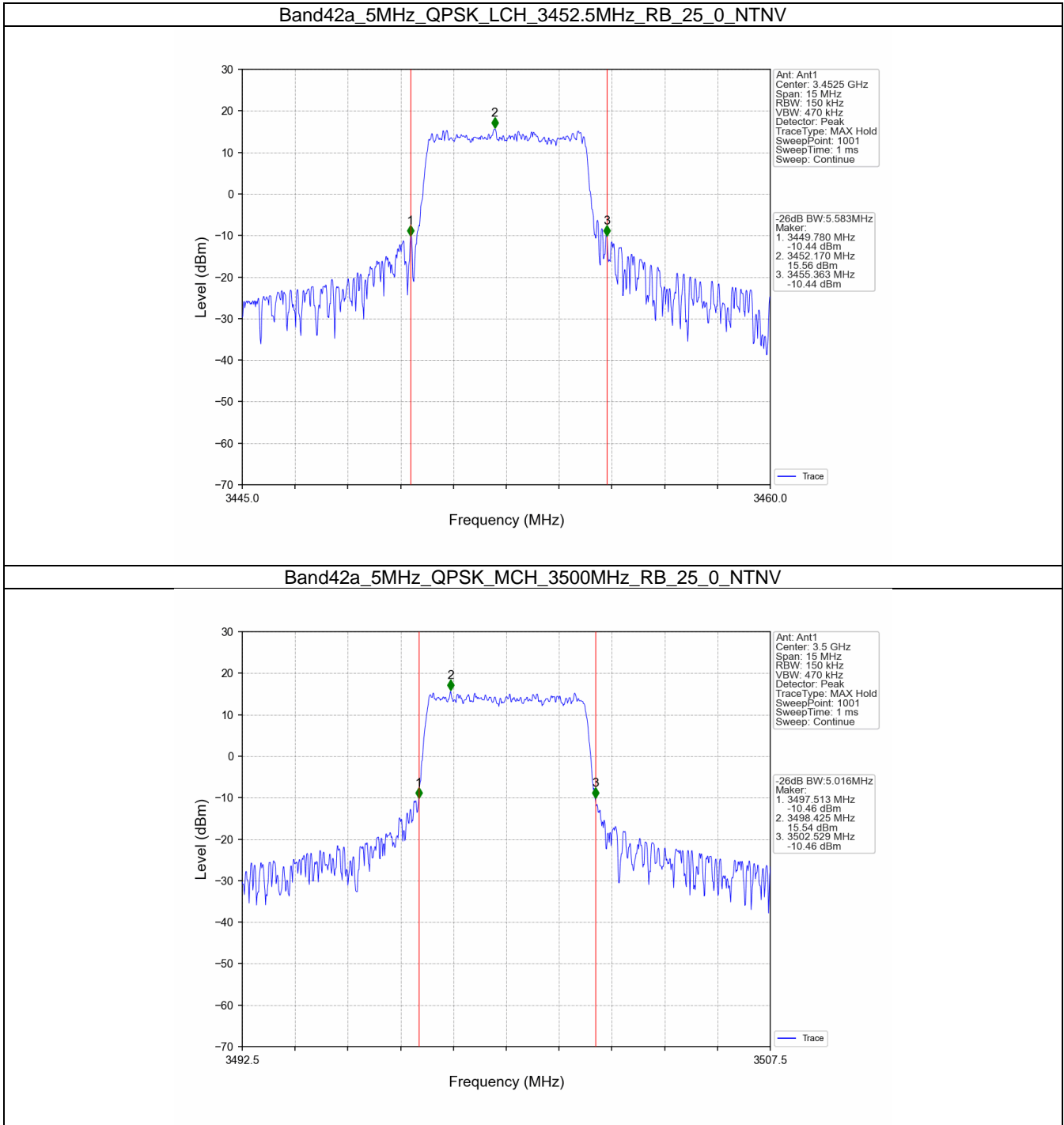


13.2 Band42a_XDB

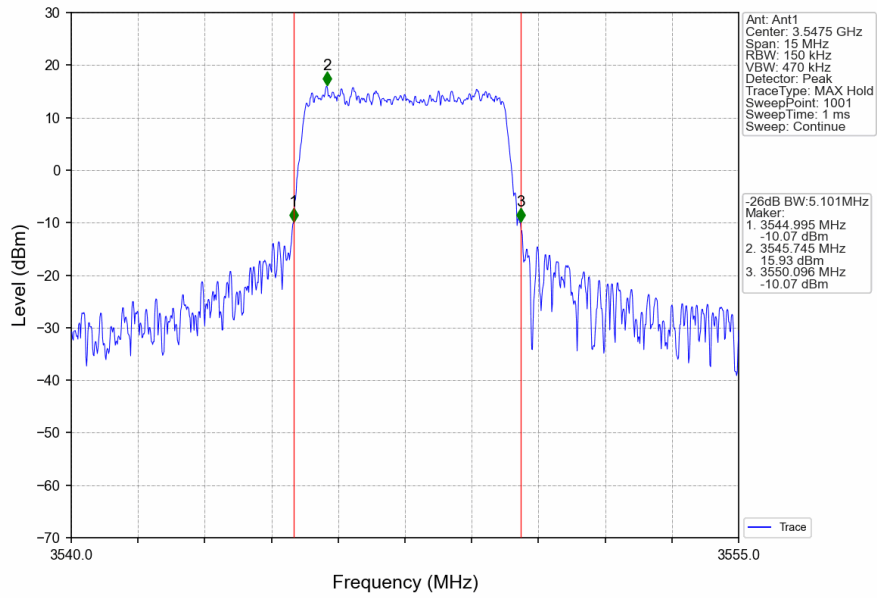
13.2.1 Test Result

Band: 42a / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	3452.5	25	0	5.583	Pass
		3500	25	0	5.016	Pass
		3547.5	25	0	5.101	Pass
	16QAM	3452.5	25	0	5.679	Pass
		3500	25	0	5.182	Pass
		3547.5	25	0	5.341	Pass
10	QPSK	3455	50	0	10.077	Pass
		3500	50	0	10.354	Pass
		3545	50	0	10.730	Pass
	16QAM	3455	50	0	11.753	Pass
		3500	50	0	11.251	Pass
		3545	50	0	10.488	Pass
15	QPSK	3457.5	75	0	16.649	Pass
		3500	75	0	15.230	Pass
		3542.5	75	0	15.956	Pass
	16QAM	3457.5	75	0	14.900	Pass
		3500	75	0	17.388	Pass
		3542.5	75	0	16.232	Pass
20	QPSK	3460	100	0	21.072	Pass
		3500	100	0	21.903	Pass
		3540	100	0	20.611	Pass
	16QAM	3460	100	0	20.425	Pass
		3500	100	0	20.335	Pass
		3540	100	0	20.683	Pass

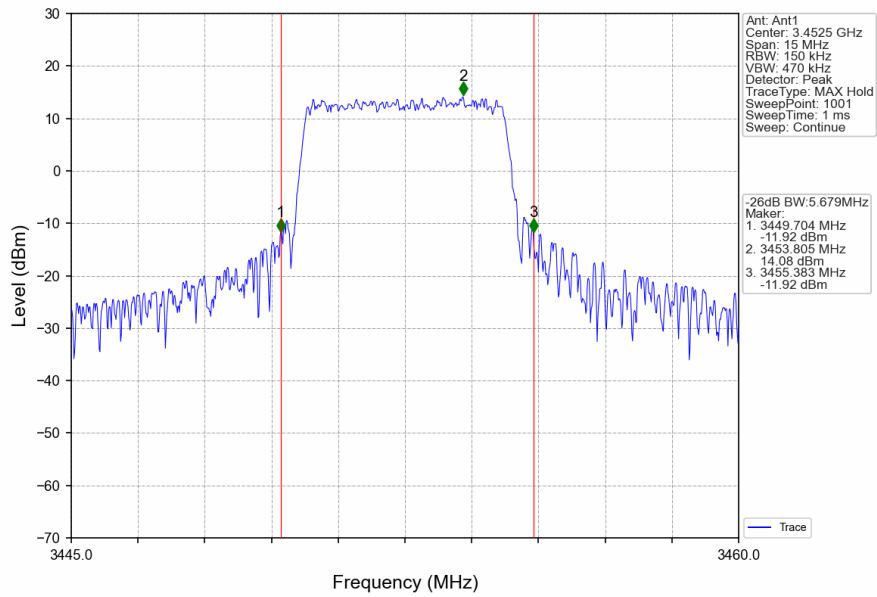
13.2.2 Test Graph



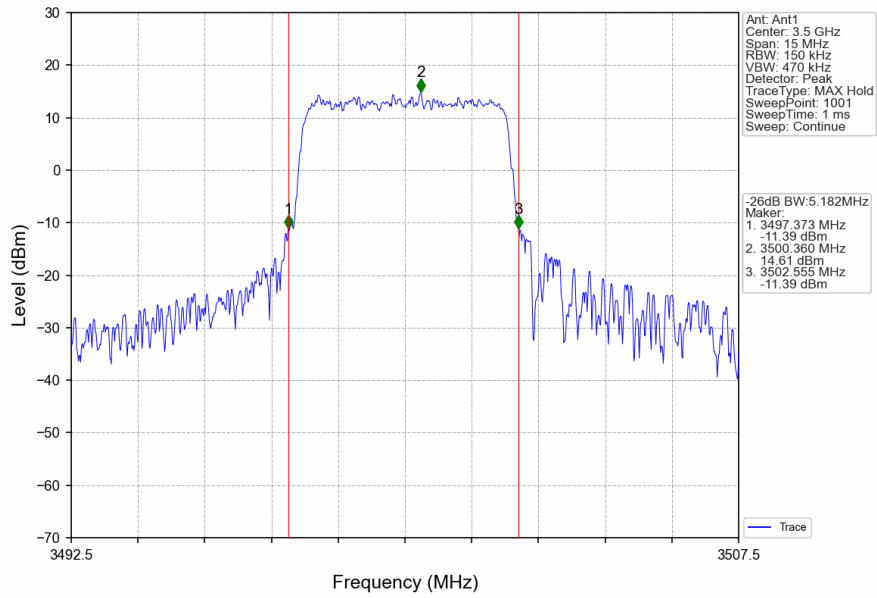
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



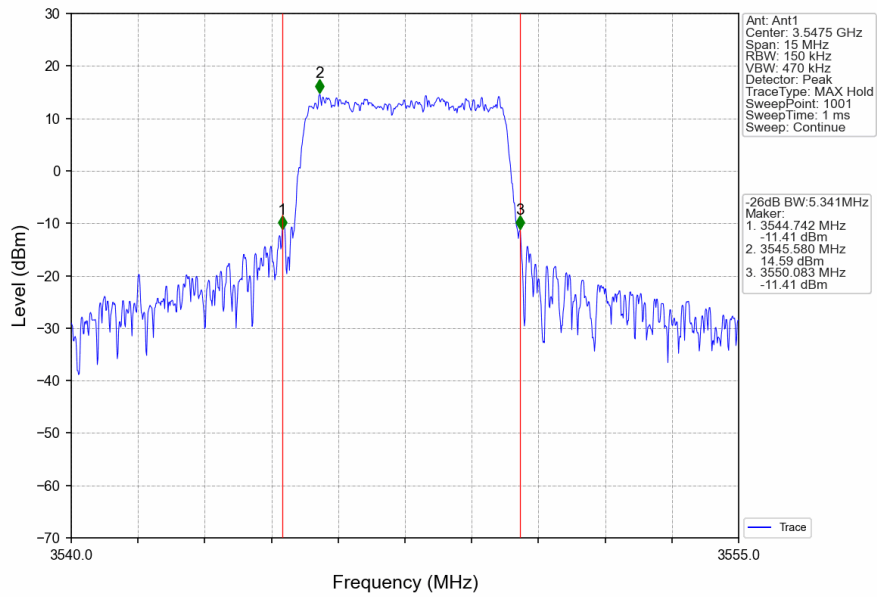
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



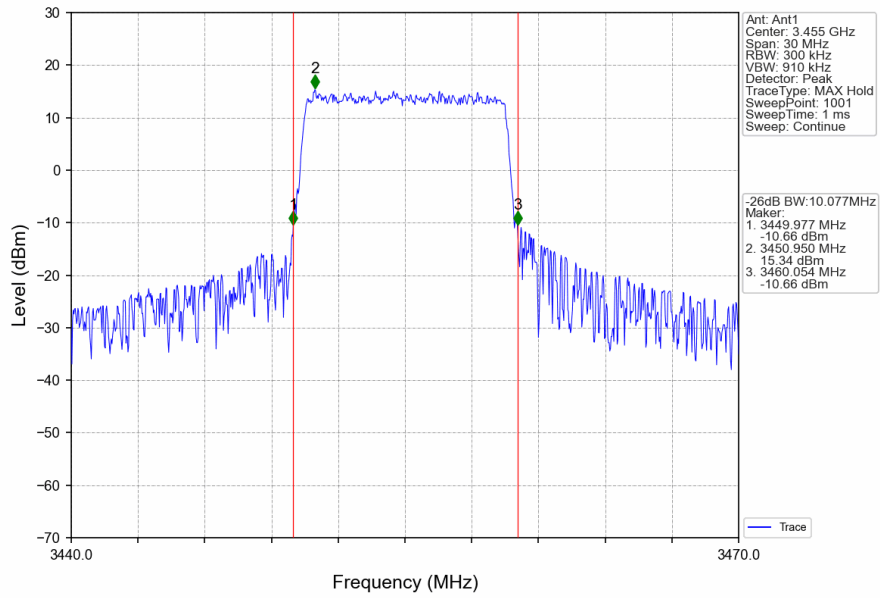
Band42a_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



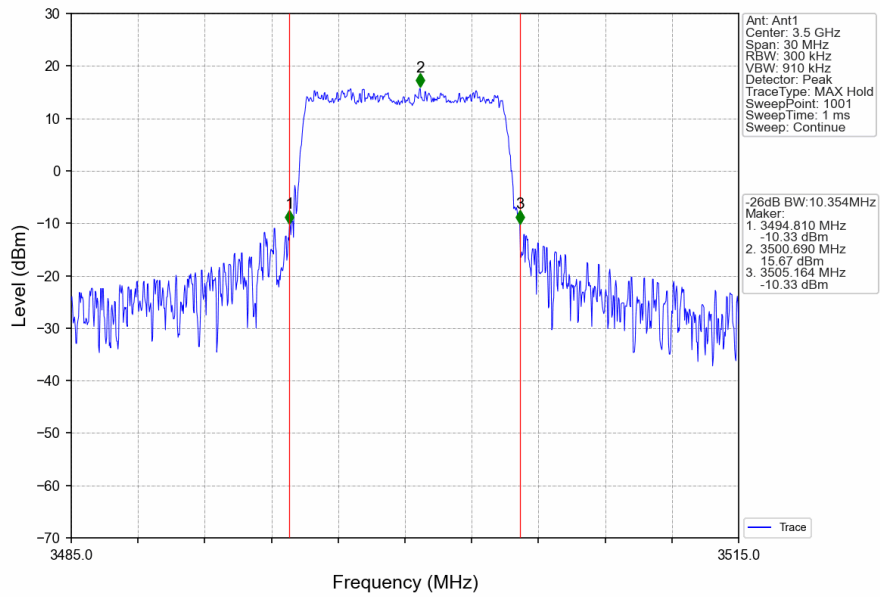
Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



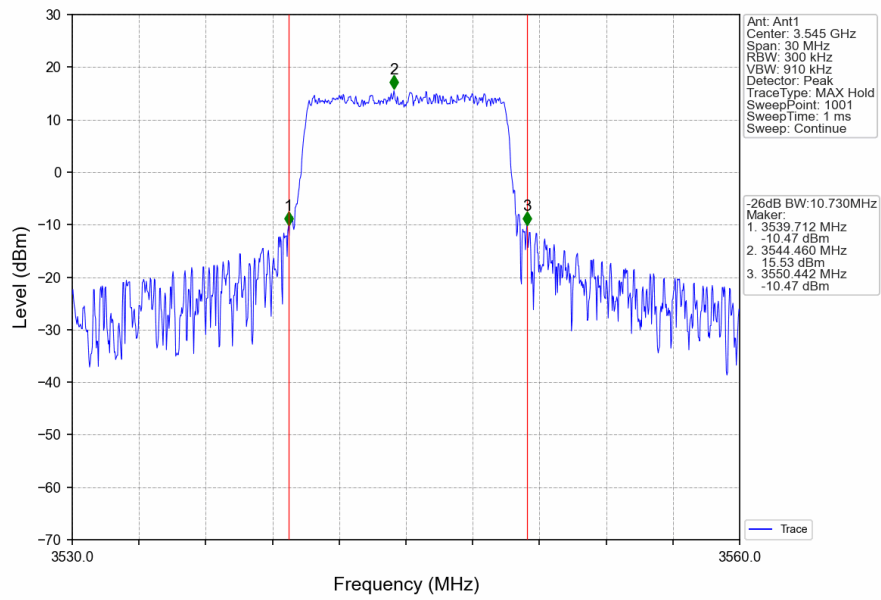
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



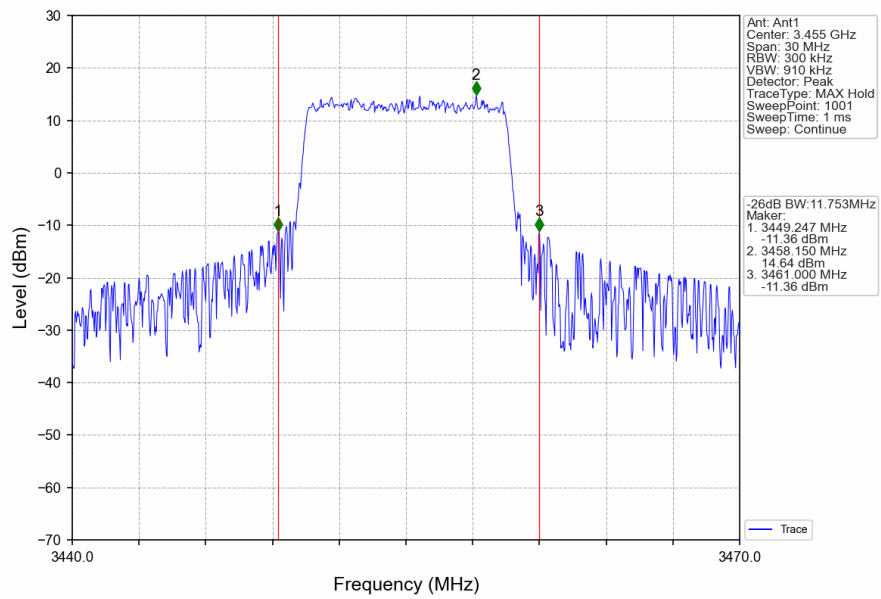
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



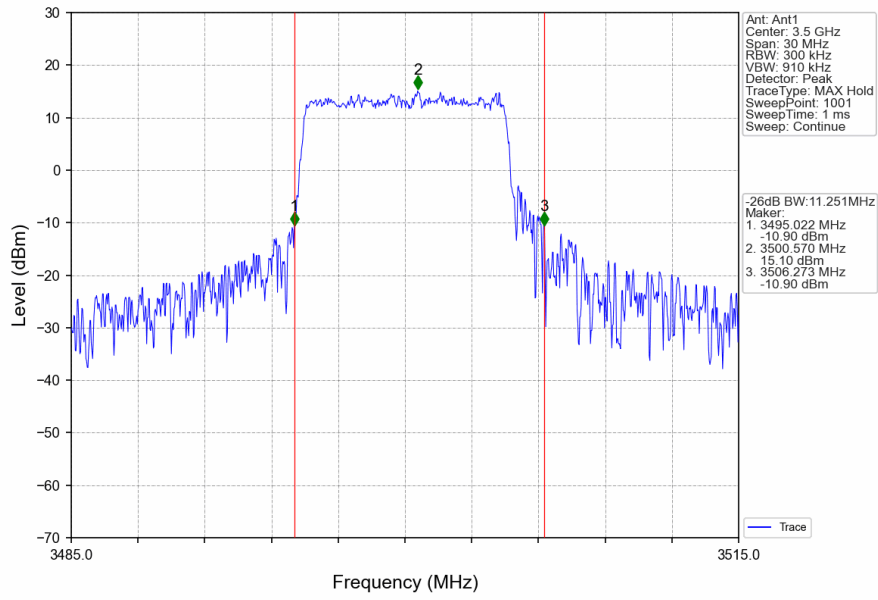
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



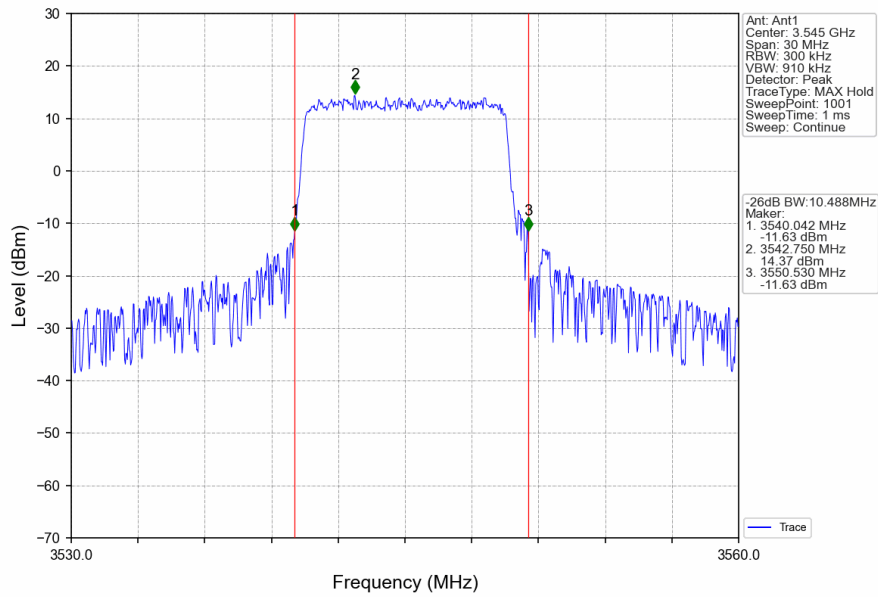
Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



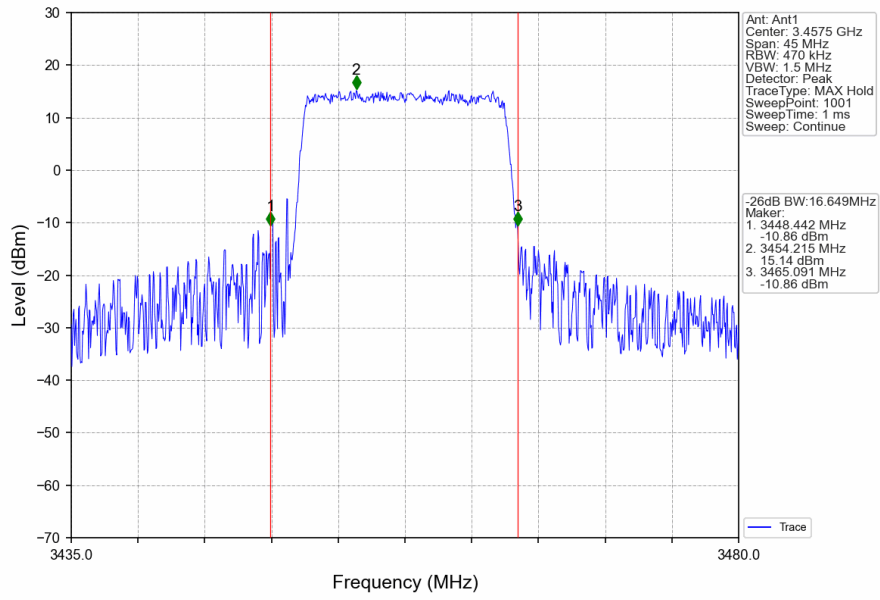
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



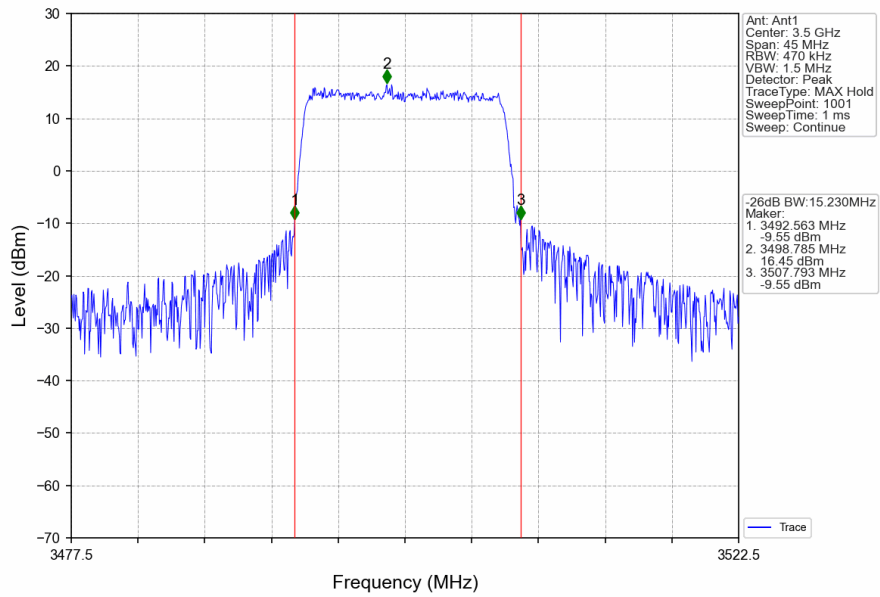
Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



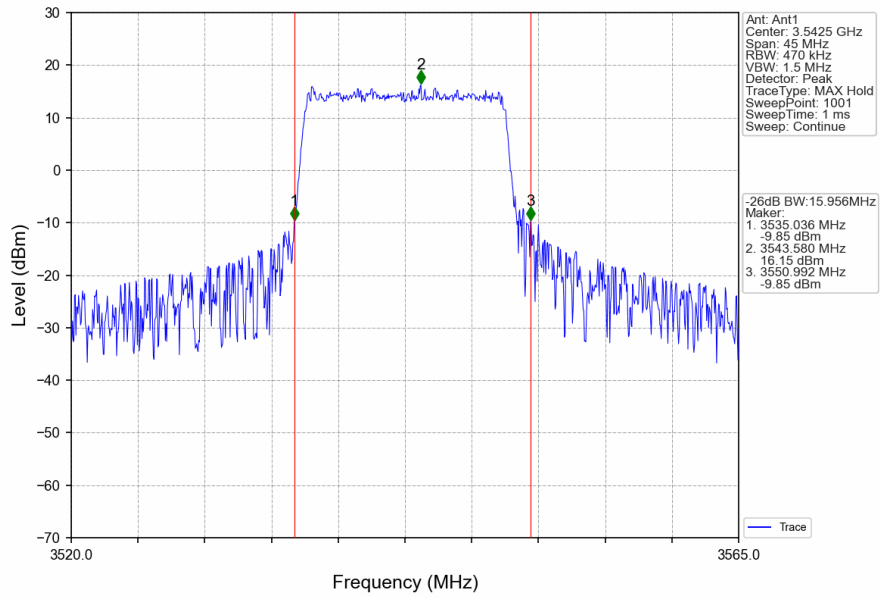
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



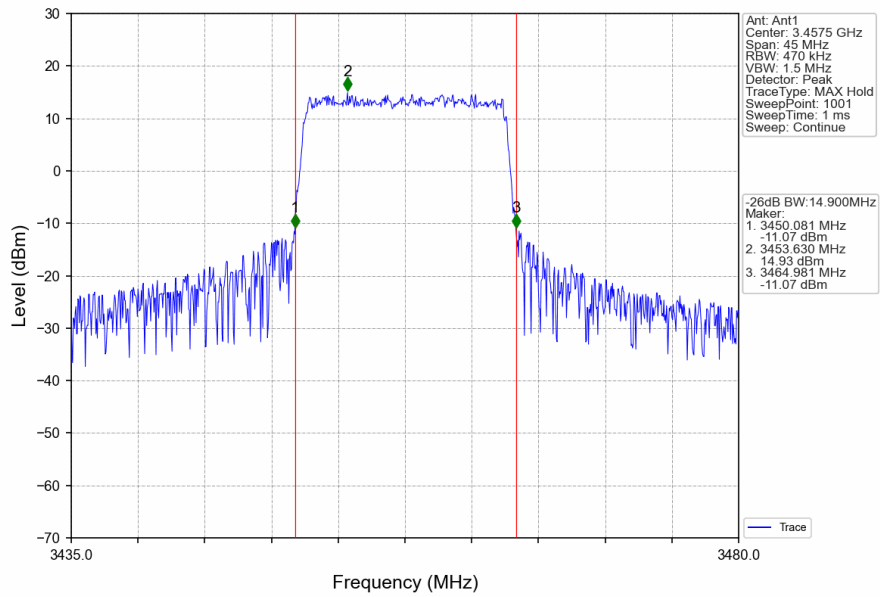
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



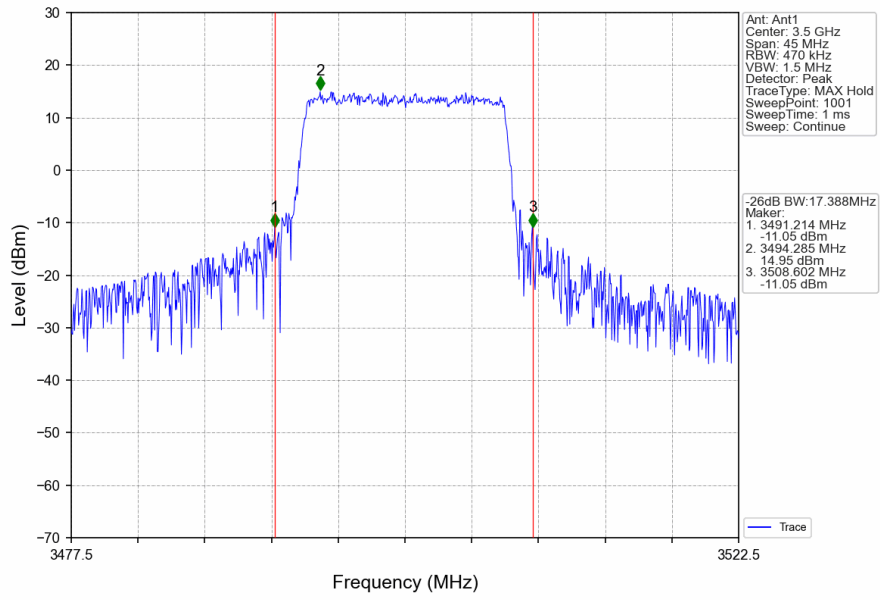
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



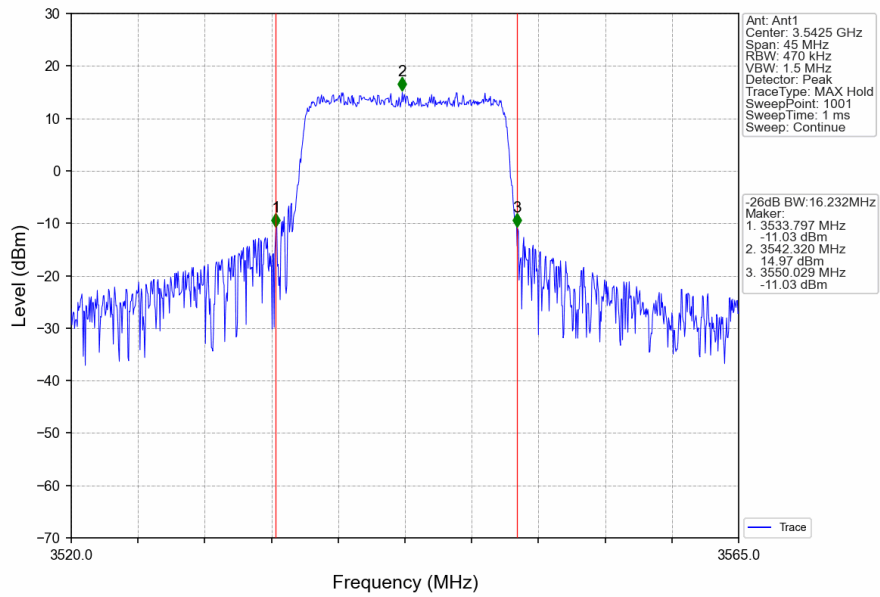
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



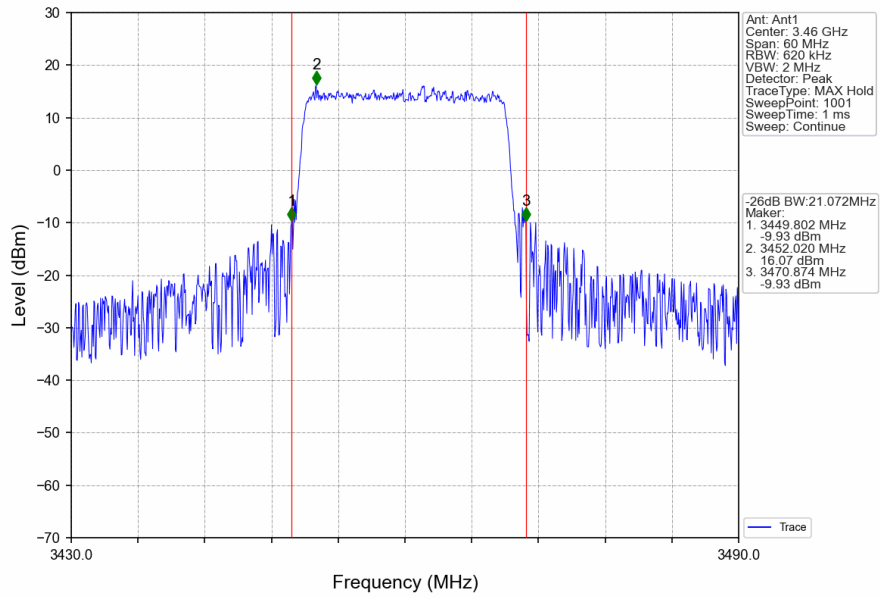
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



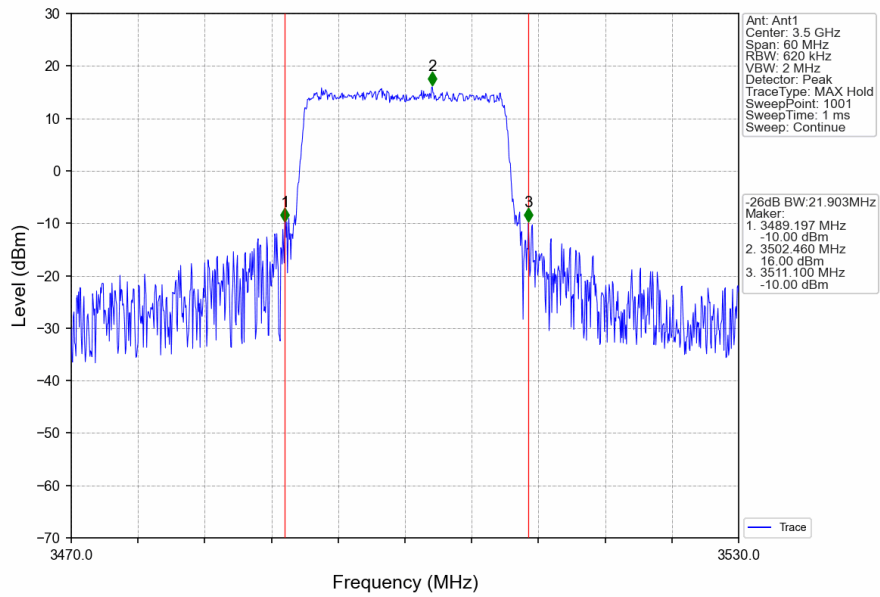
Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



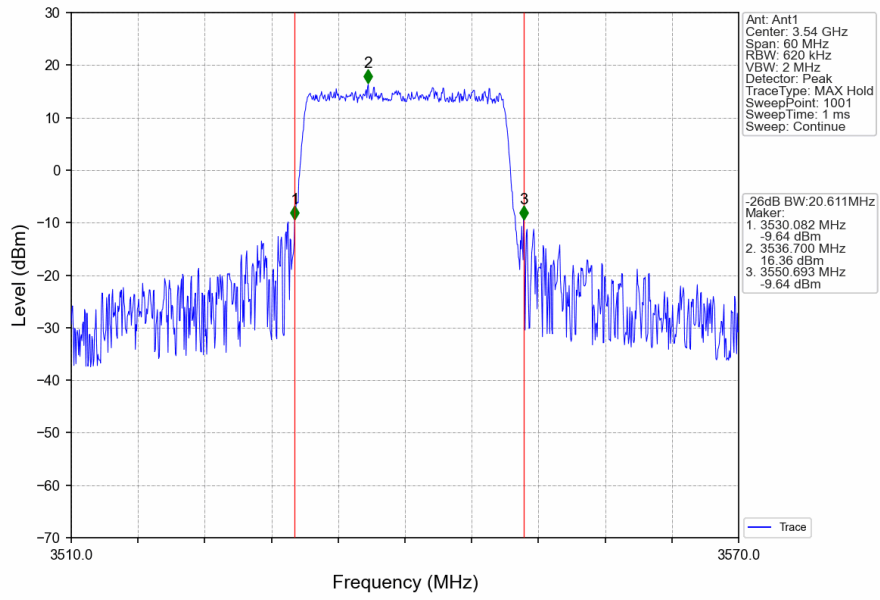
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



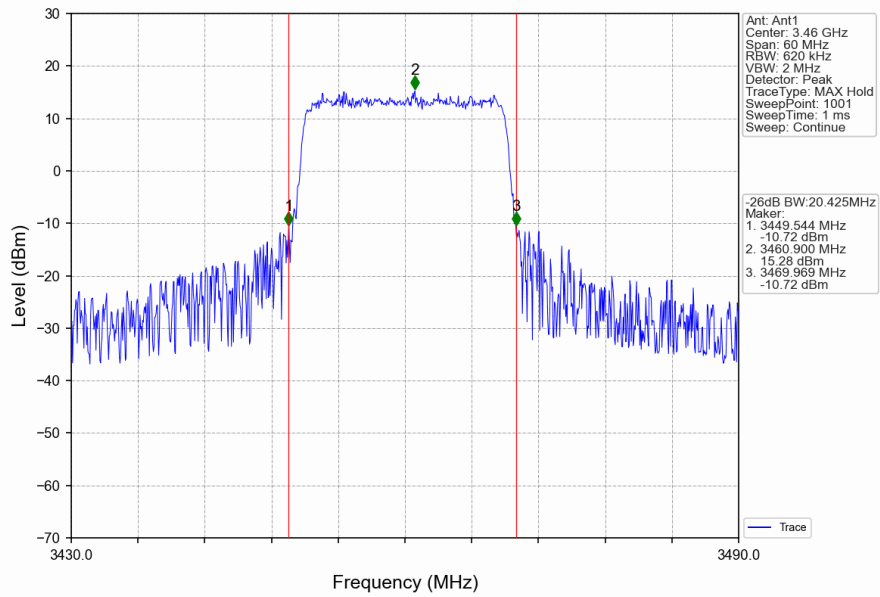
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



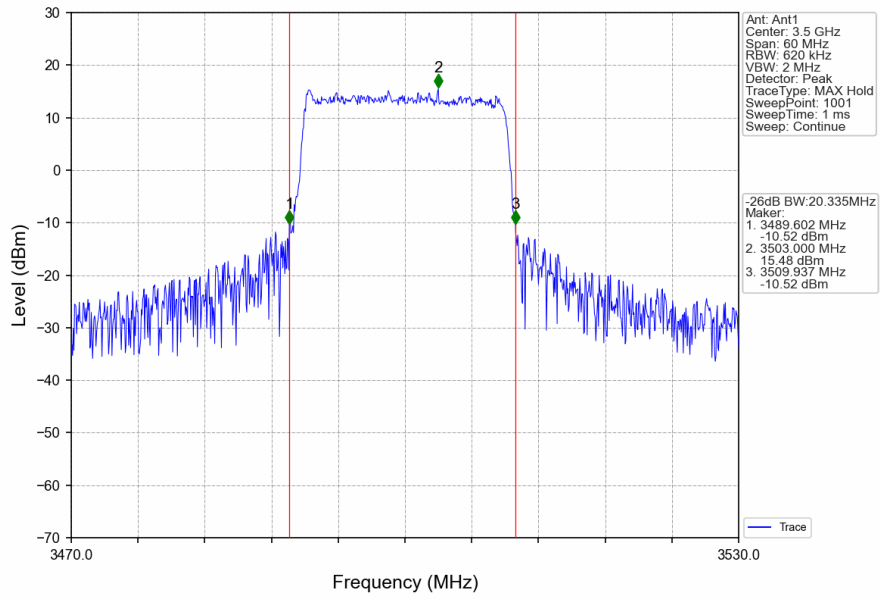
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



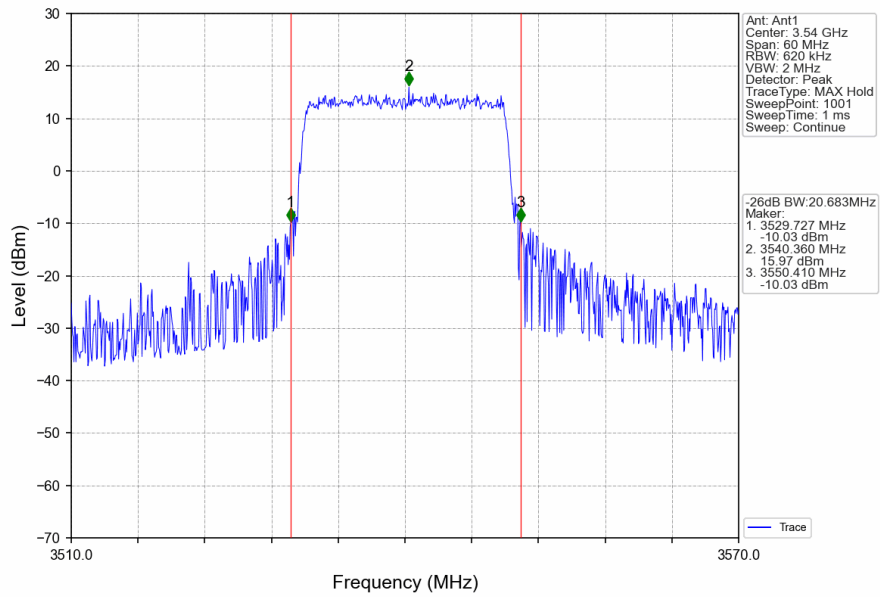
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



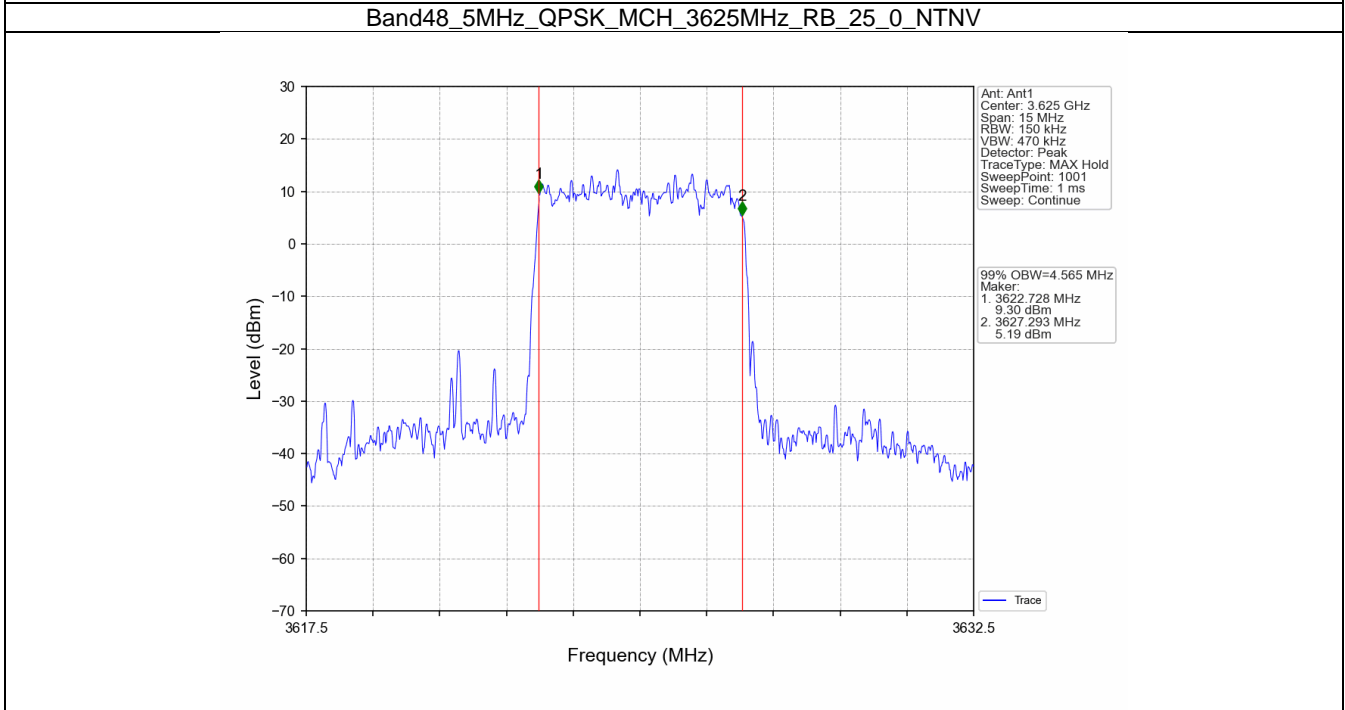
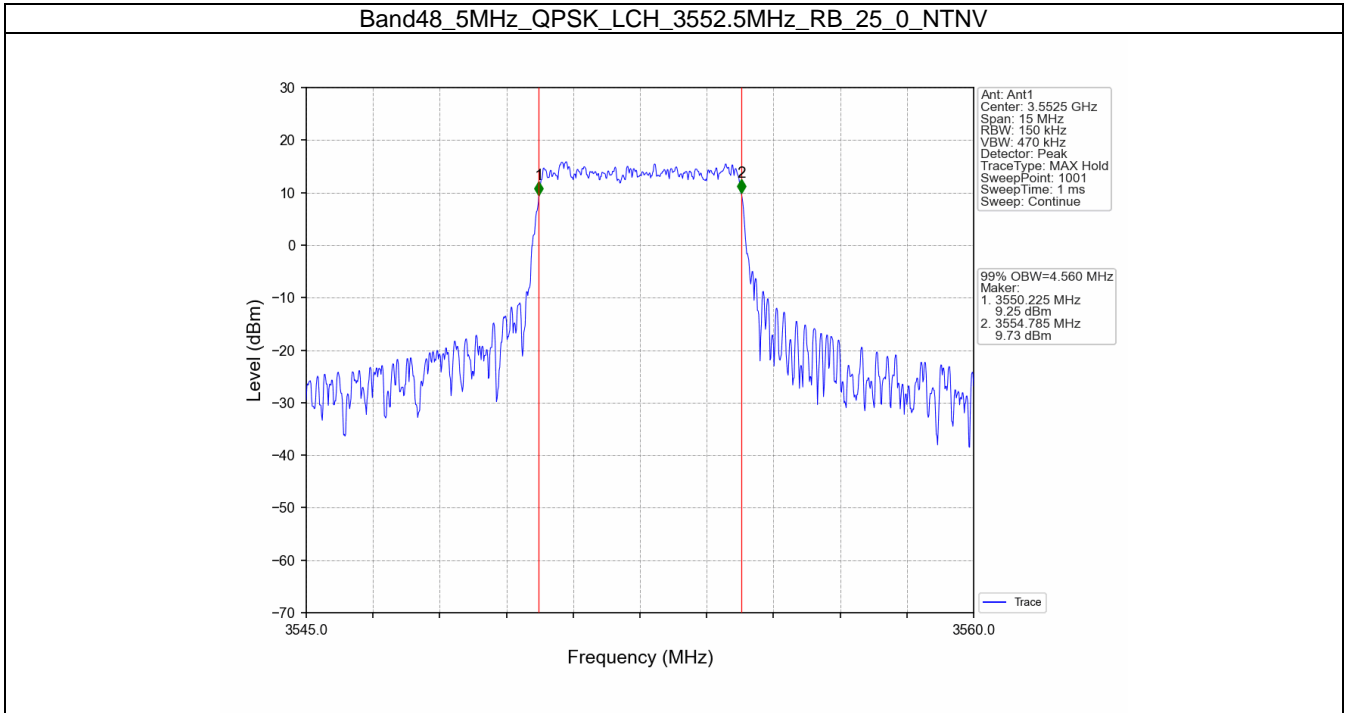
15. 99% & 26dB Bandwidth

15.1 Band48_OBW

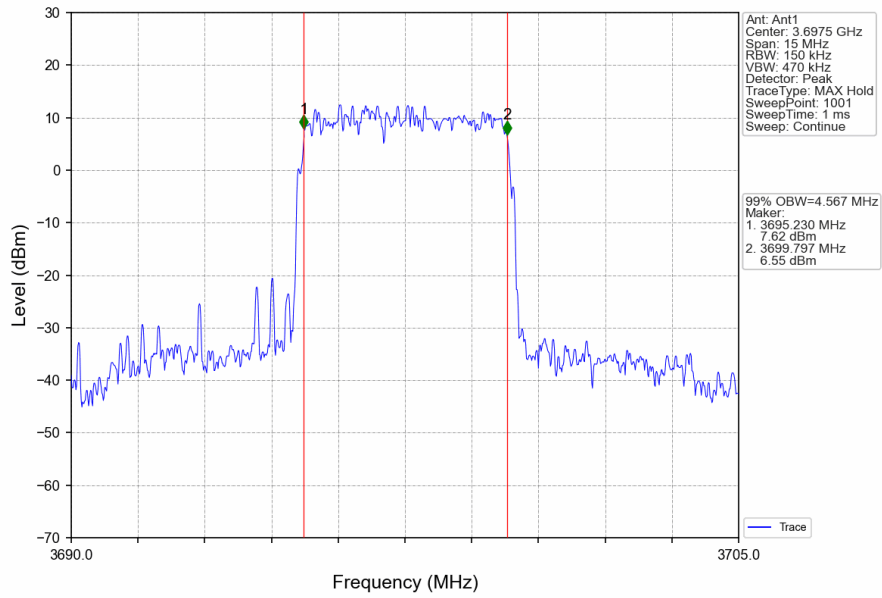
15.1.1 Test Result

Band: 48 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	3552.5	25	0	4.560	Pass
		3625	25	0	4.565	Pass
		3697.5	25	0	4.567	Pass
	16QAM	3552.5	25	0	4.548	Pass
		3625	25	0	4.527	Pass
		3697.5	25	0	4.551	Pass
10	QPSK	3555	50	0	9.085	Pass
		3625	50	0	9.052	Pass
		3695	50	0	9.032	Pass
	16QAM	3555	50	0	9.076	Pass
		3625	50	0	8.981	Pass
		3695	50	0	8.981	Pass
15	QPSK	3557.5	75	0	13.636	Pass
		3625	75	0	13.455	Pass
		3692.5	75	0	13.564	Pass
	16QAM	3557.5	75	0	13.585	Pass
		3625	75	0	13.530	Pass
		3692.5	75	0	13.595	Pass
20	QPSK	3560	100	0	18.124	Pass
		3625	100	0	18.092	Pass
		3690	100	0	18.023	Pass
	16QAM	3560	100	0	18.082	Pass
		3625	100	0	18.006	Pass
		3690	100	0	17.973	Pass

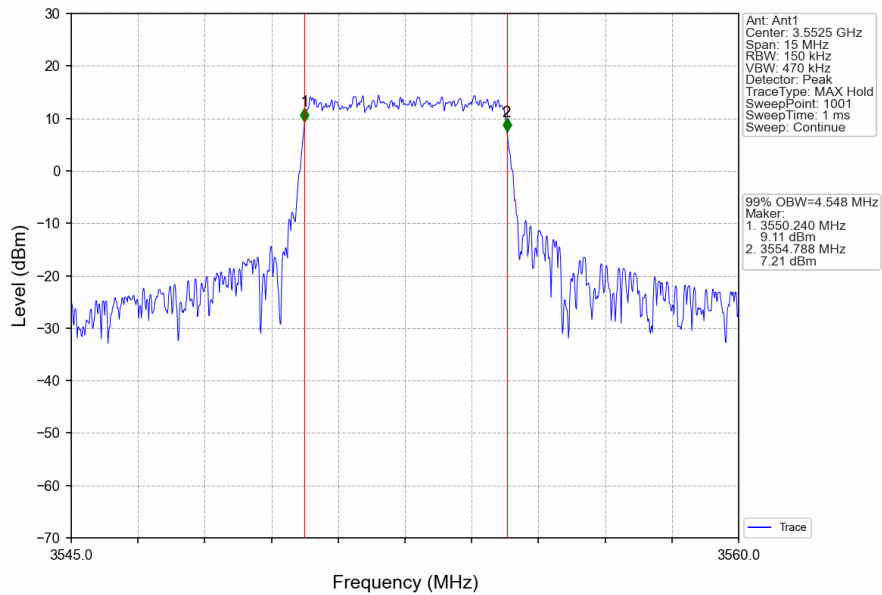
15.1.2 Test Graph



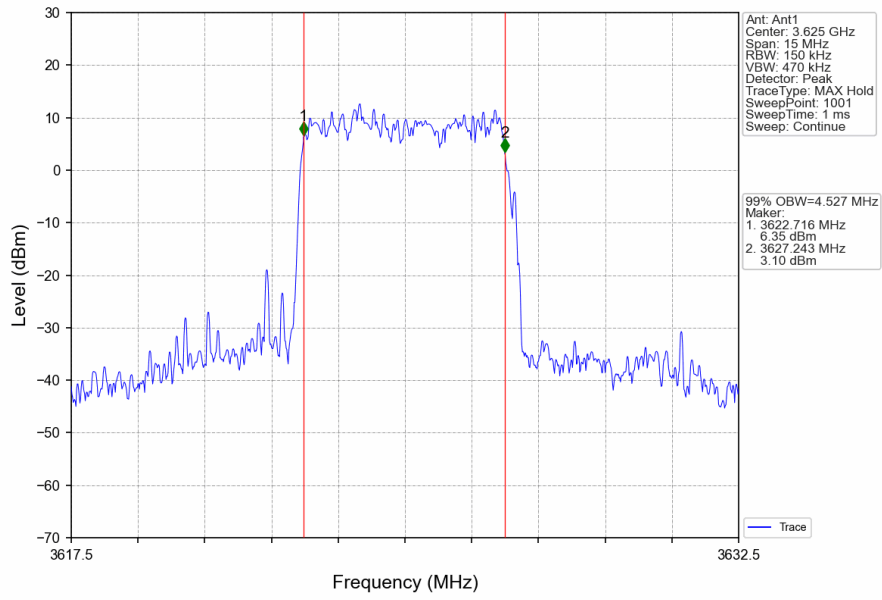
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



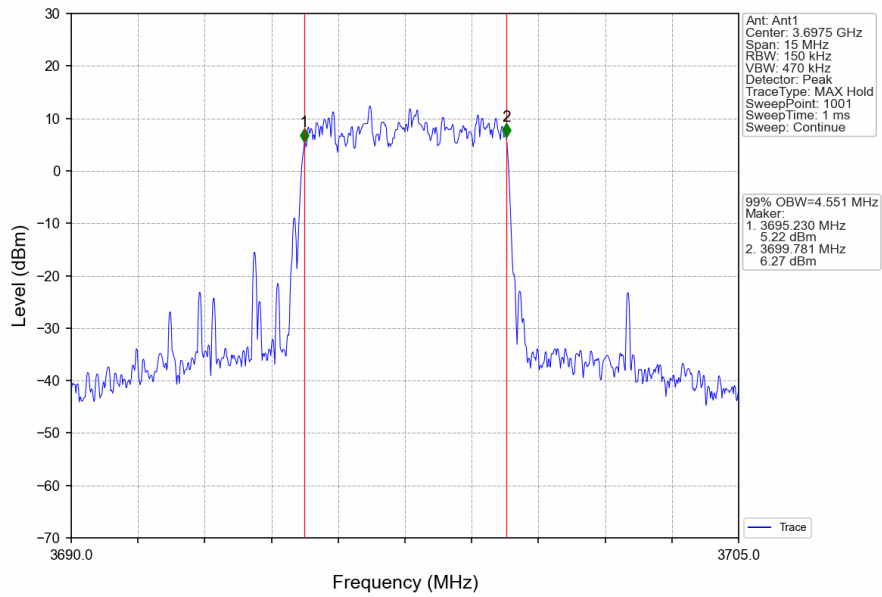
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



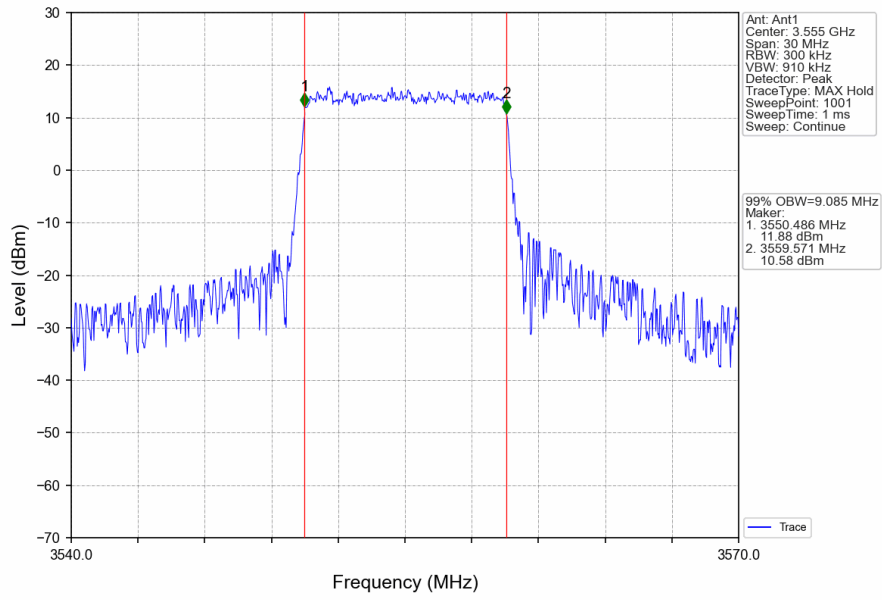
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



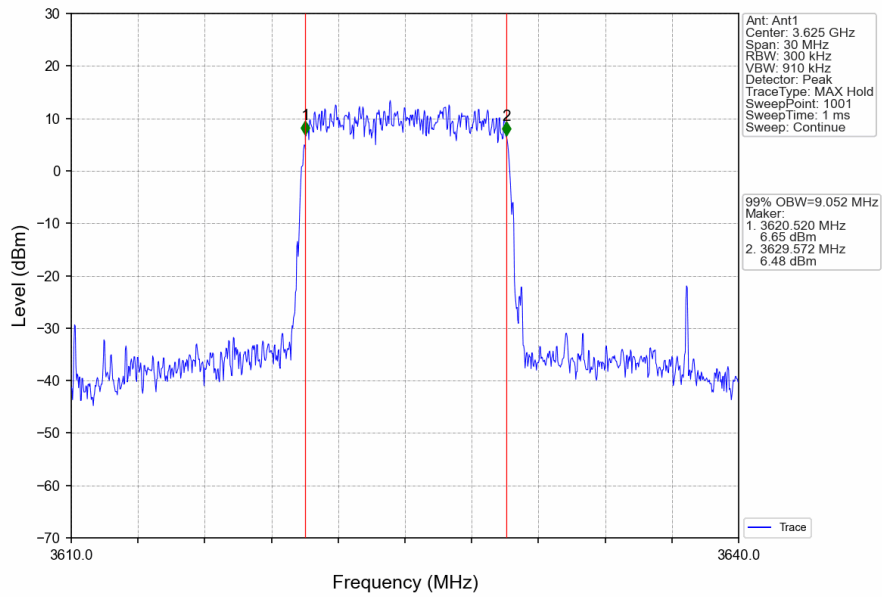
Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



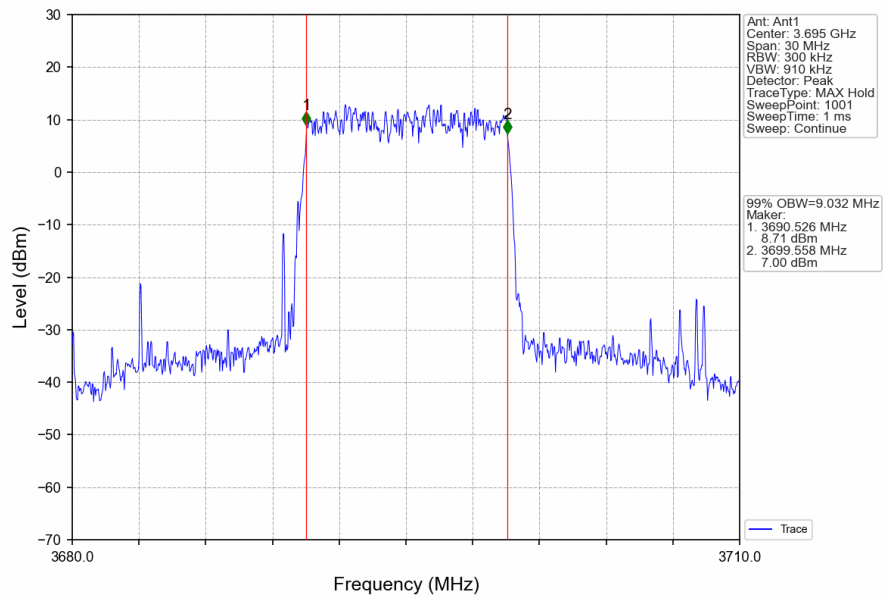
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



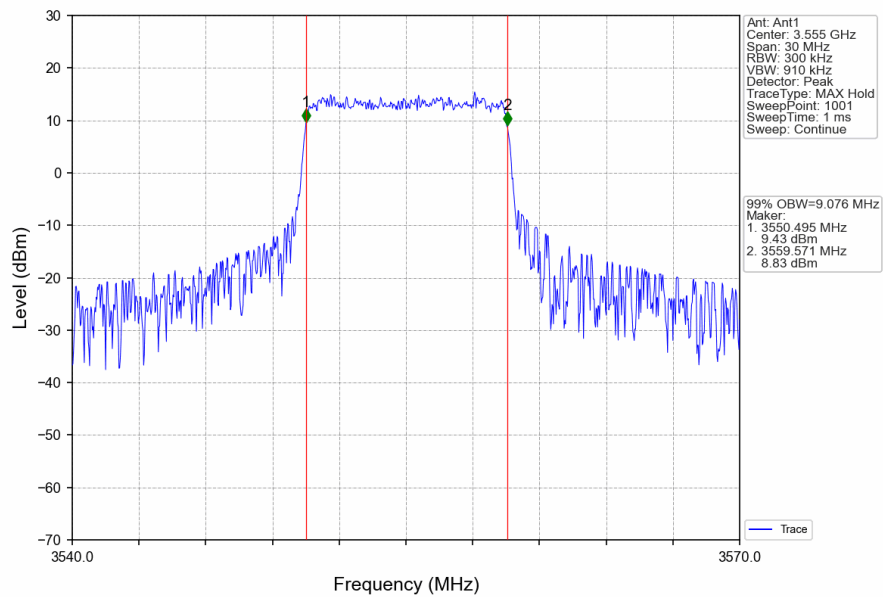
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



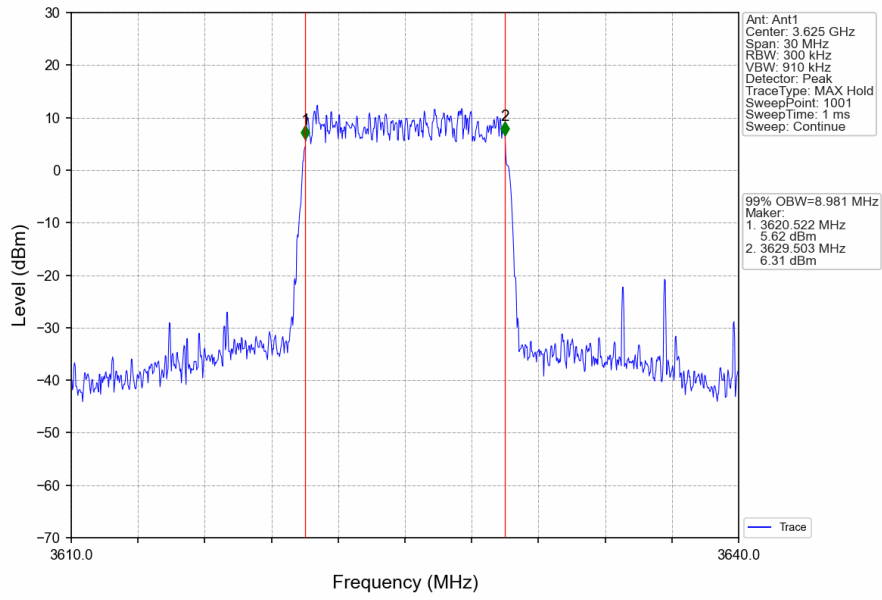
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



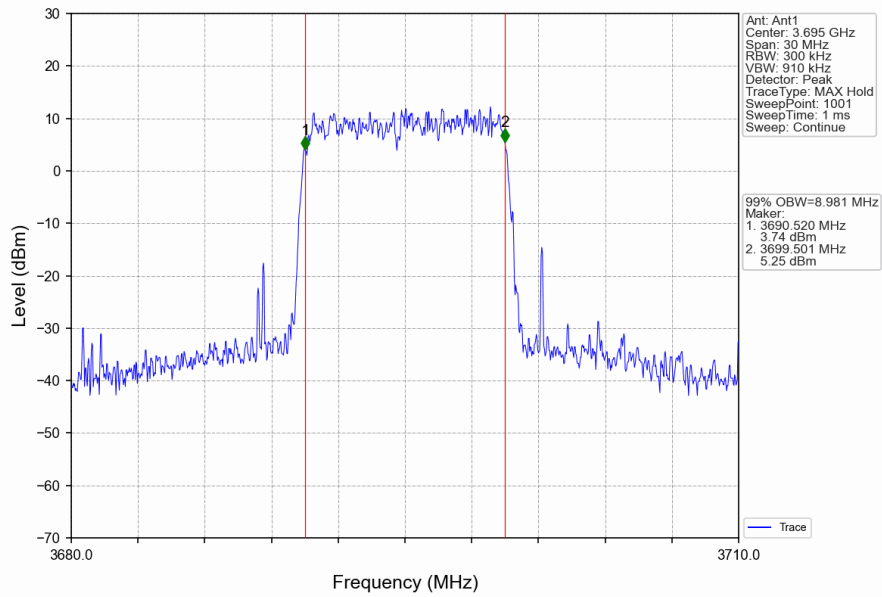
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



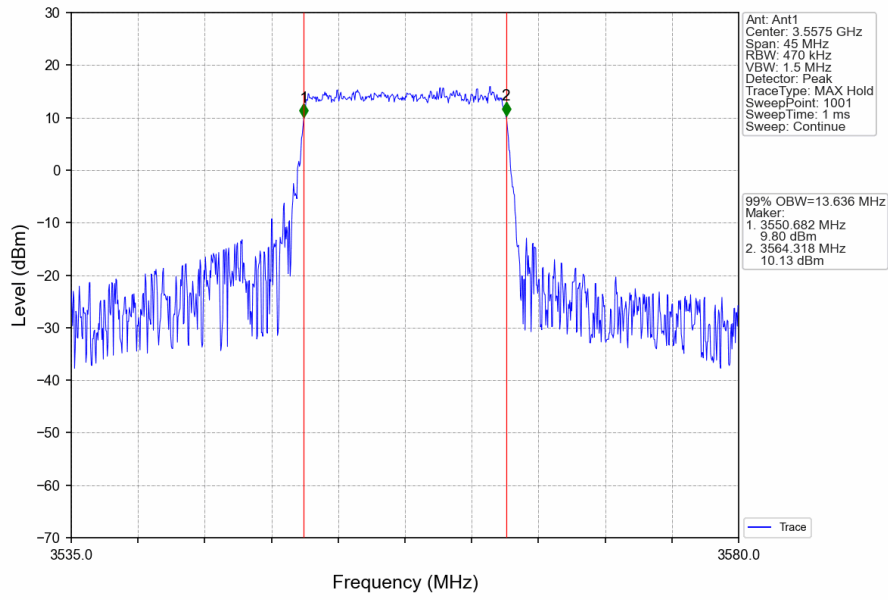
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



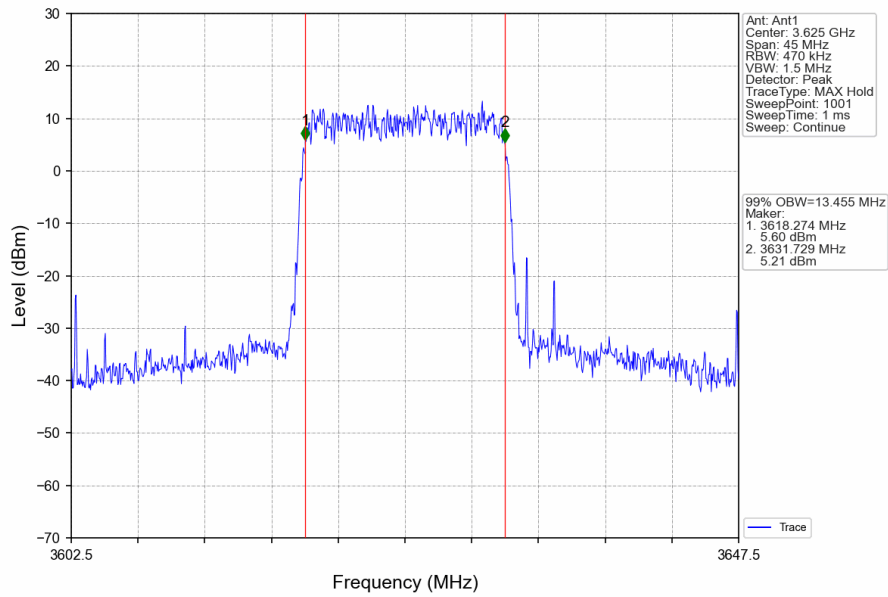
Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV



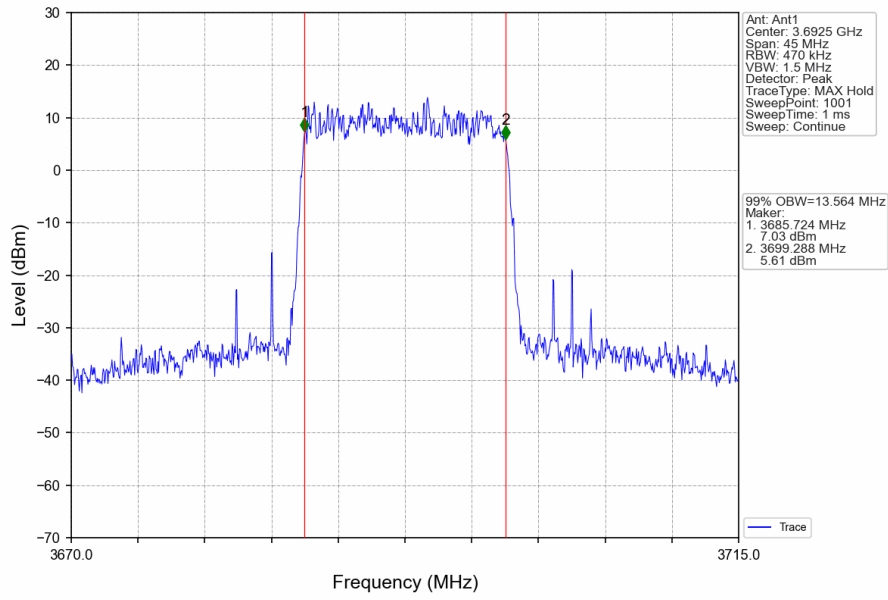
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



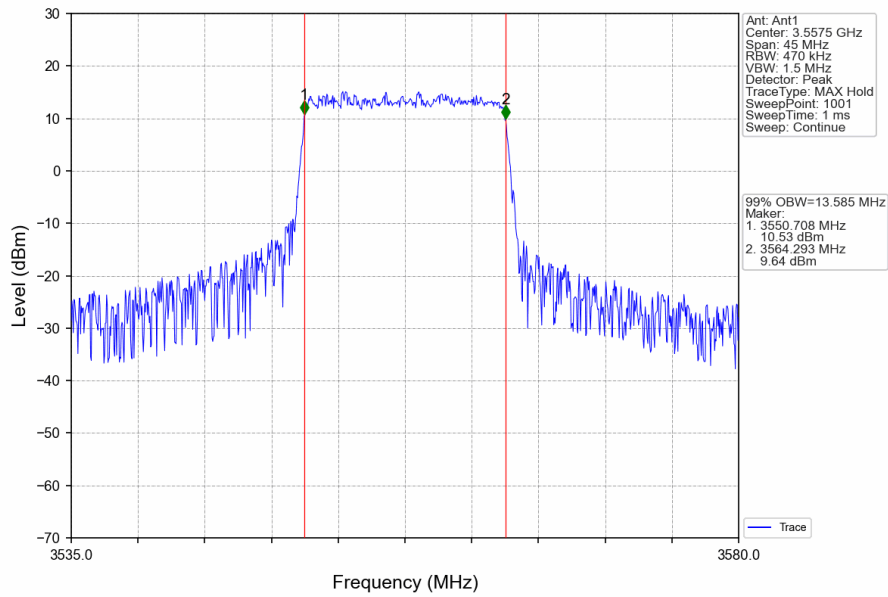
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



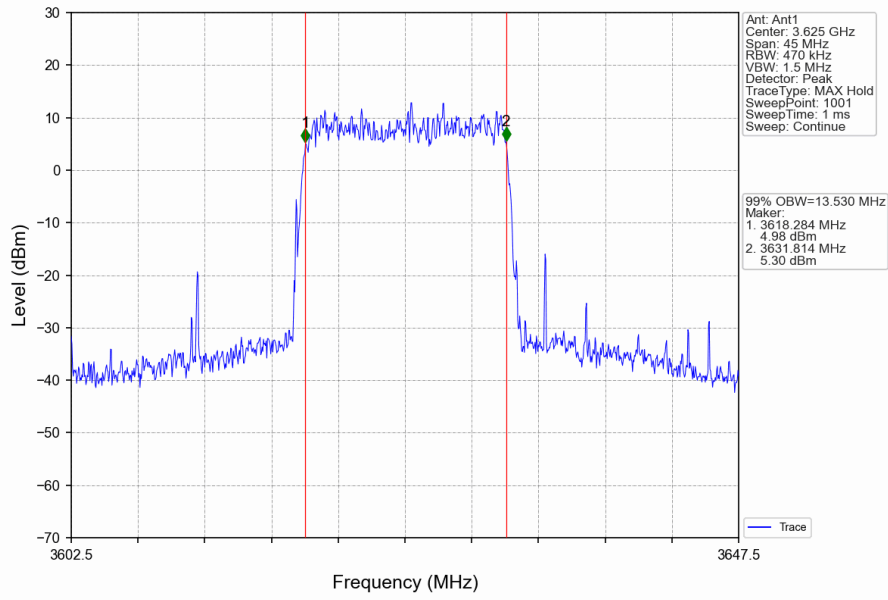
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



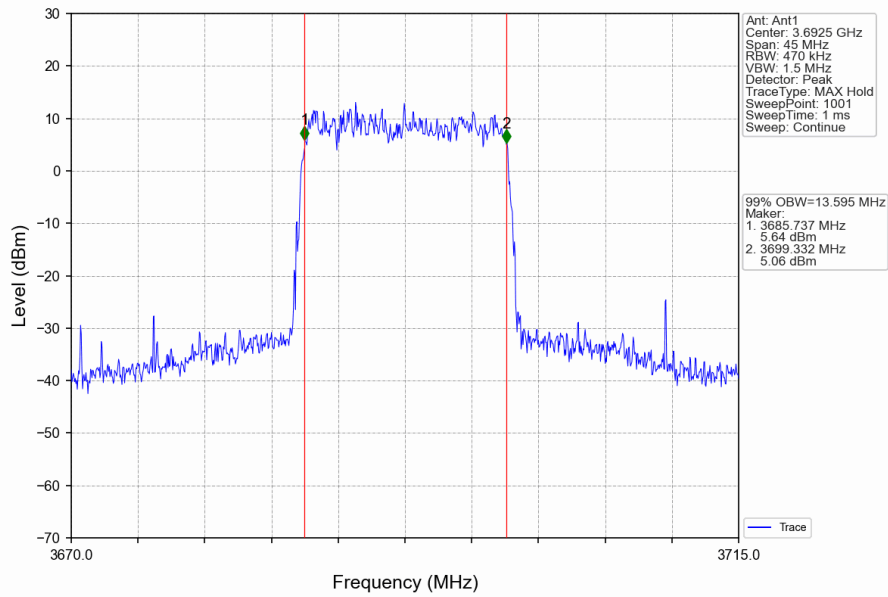
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



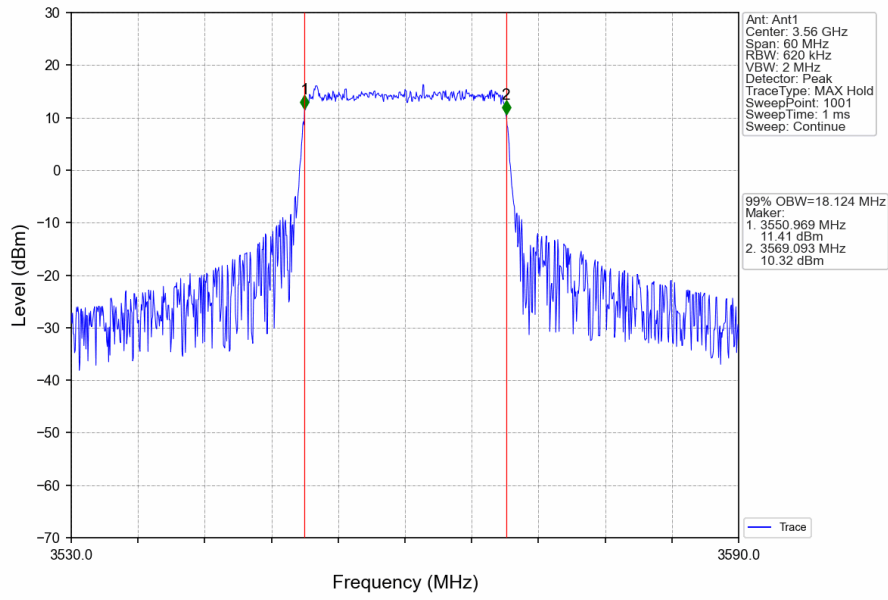
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



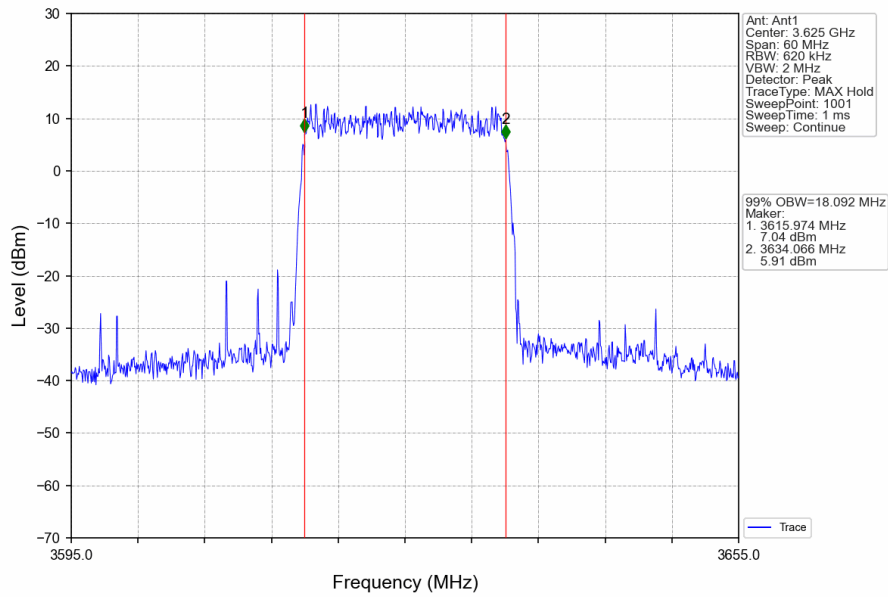
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



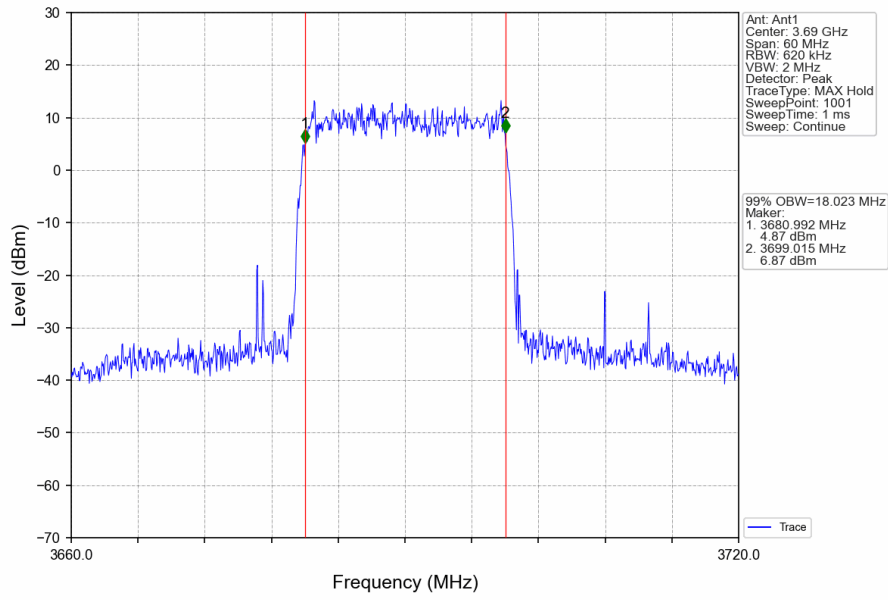
Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



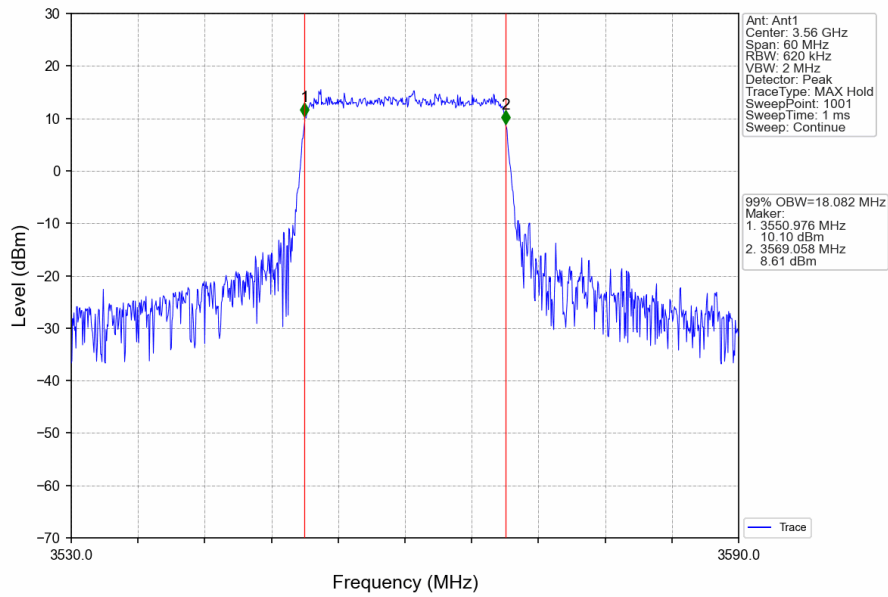
Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV



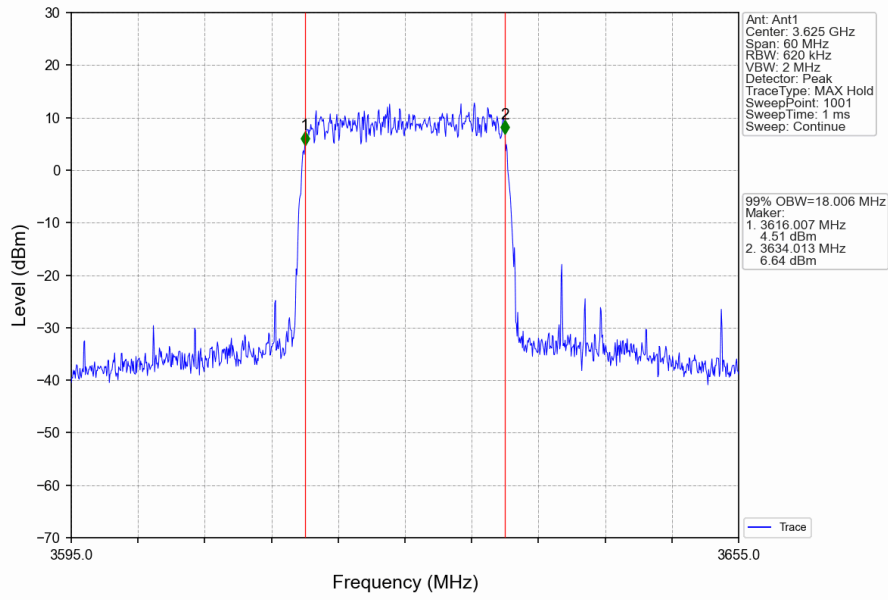
Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



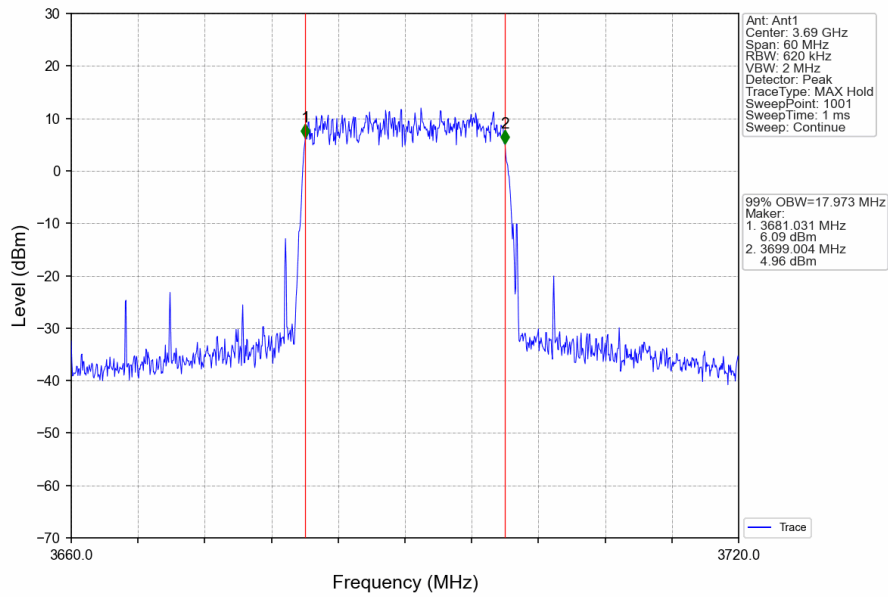
Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV

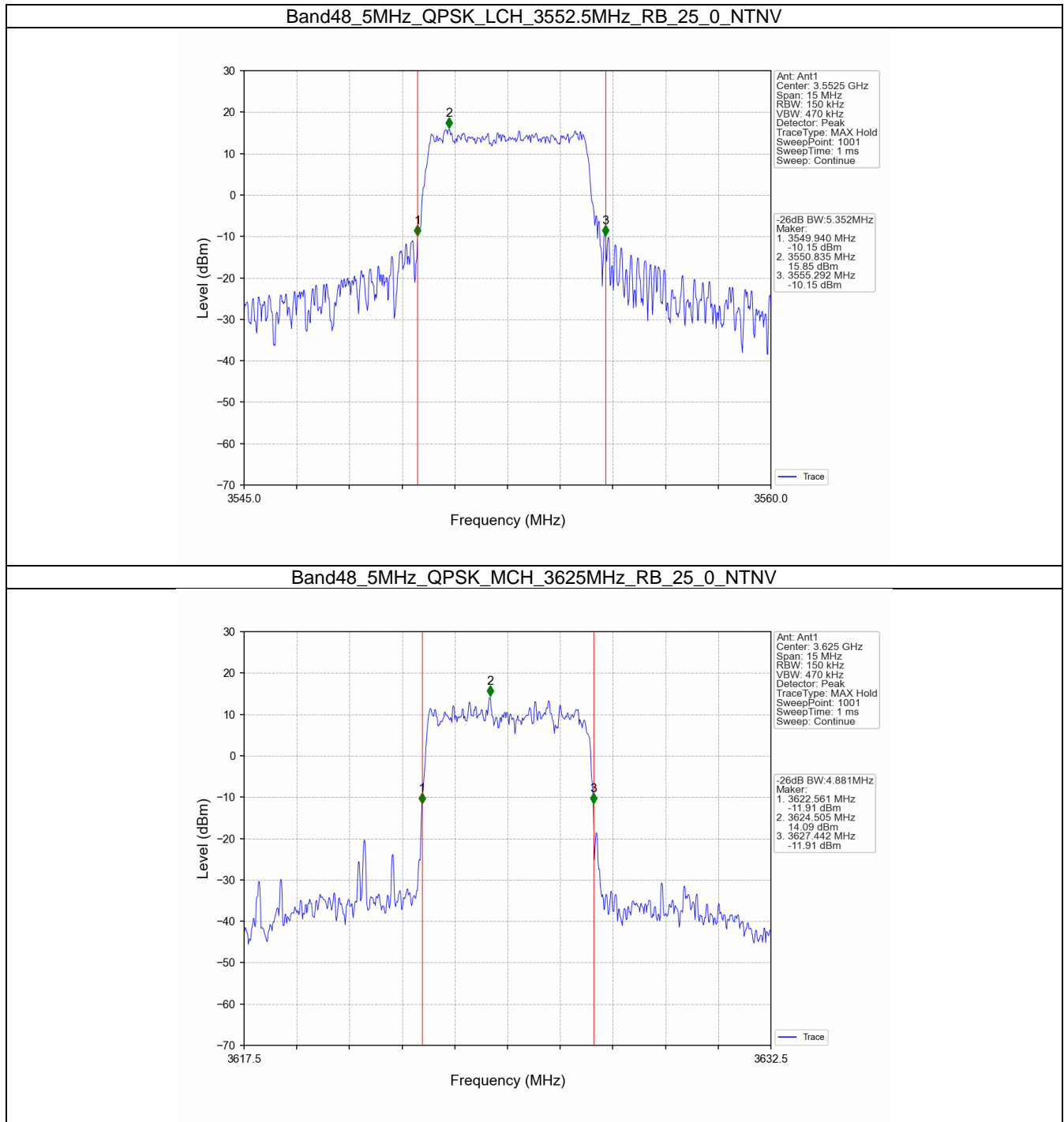


15.2 Band48_XDB

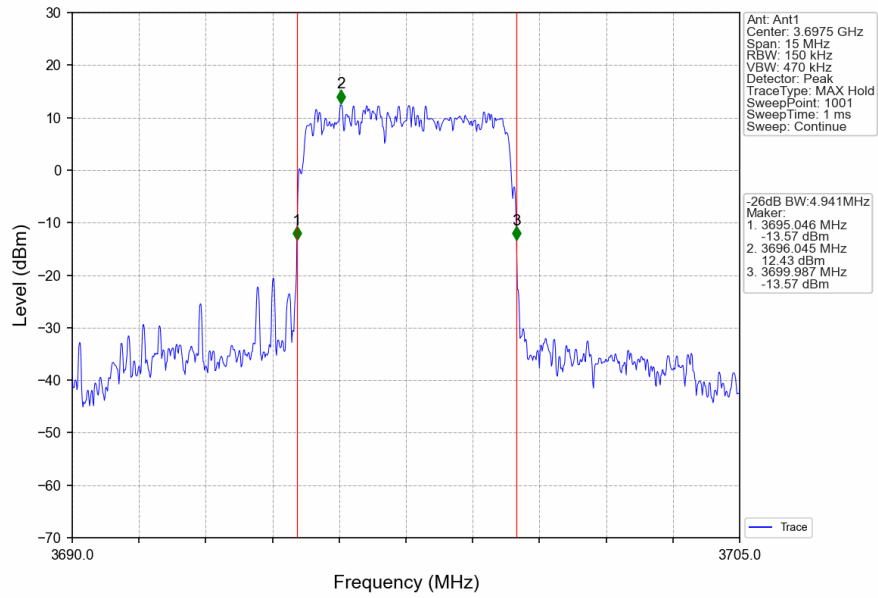
15.2.1 Test Result

Band: 48 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	3552.5	25	0	5.352	Pass
		3625	25	0	4.881	Pass
		3697.5	25	0	4.941	Pass
	16QAM	3552.5	25	0	5.671	Pass
		3625	25	0	4.941	Pass
		3697.5	25	0	4.926	Pass
10	QPSK	3555	50	0	10.142	Pass
		3625	50	0	9.671	Pass
		3695	50	0	10.407	Pass
	16QAM	3555	50	0	11.350	Pass
		3625	50	0	9.735	Pass
		3695	50	0	9.698	Pass
15	QPSK	3557.5	75	0	16.495	Pass
		3625	75	0	14.442	Pass
		3692.5	75	0	14.592	Pass
	16QAM	3557.5	75	0	15.530	Pass
		3625	75	0	14.640	Pass
		3692.5	75	0	14.647	Pass
20	QPSK	3560	100	0	21.730	Pass
		3625	100	0	19.539	Pass
		3690	100	0	19.501	Pass
	16QAM	3560	100	0	21.311	Pass
		3625	100	0	19.309	Pass
		3690	100	0	20.879	Pass

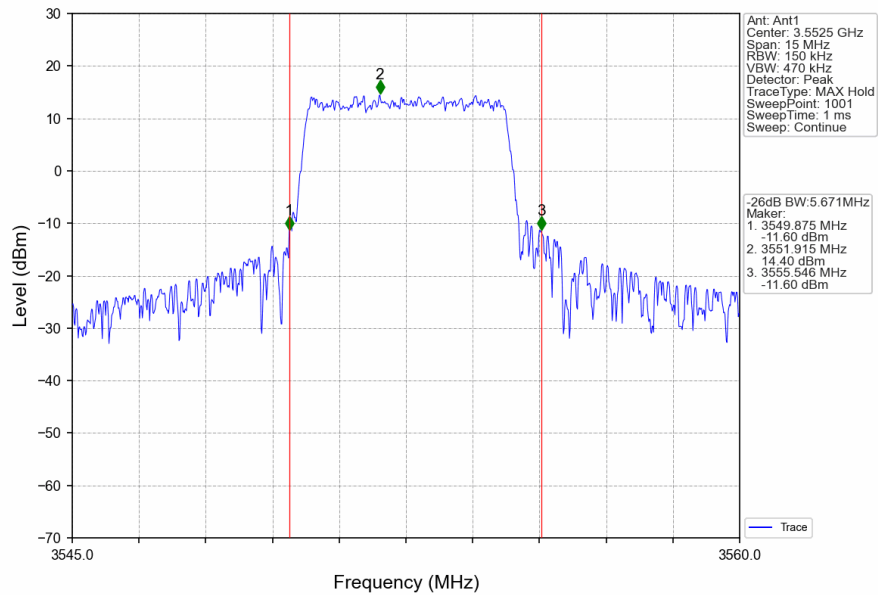
15.2.2 Test Graph



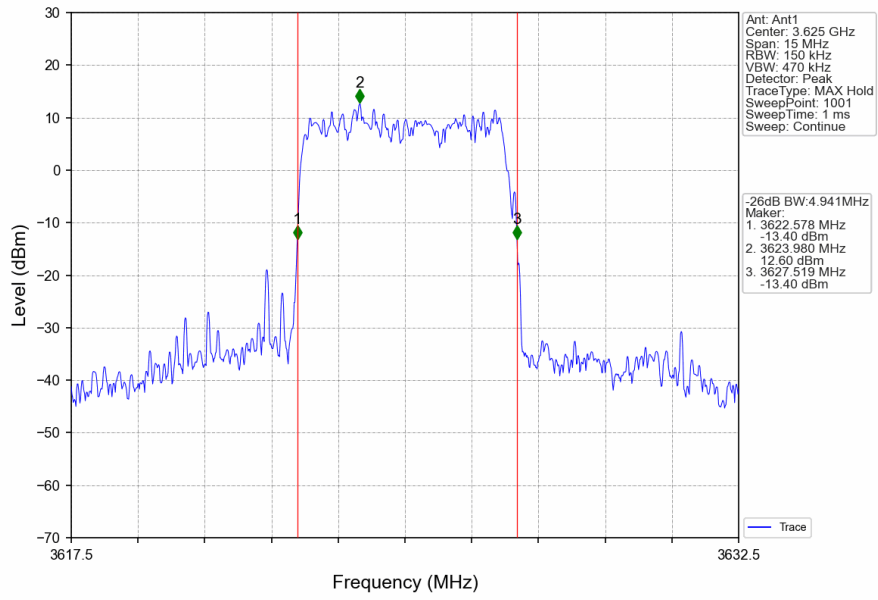
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



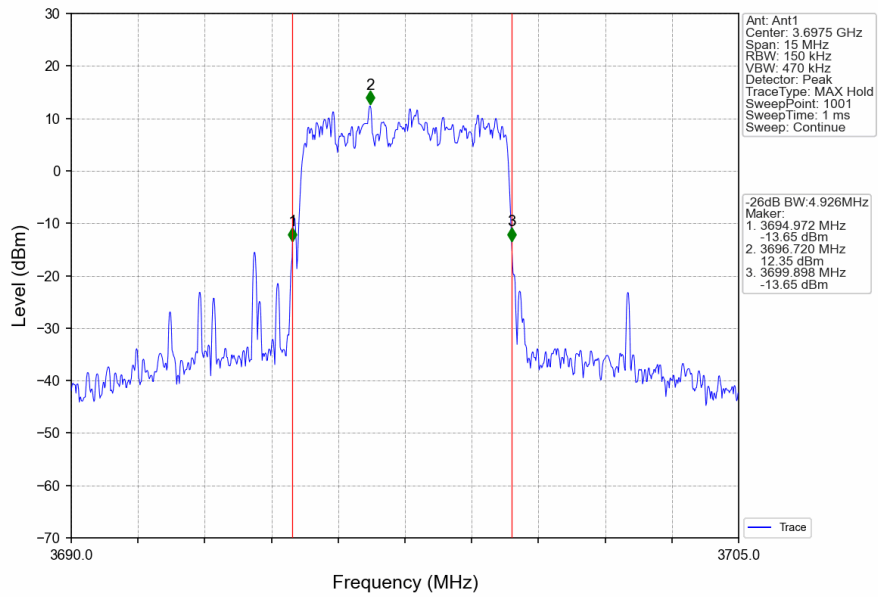
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



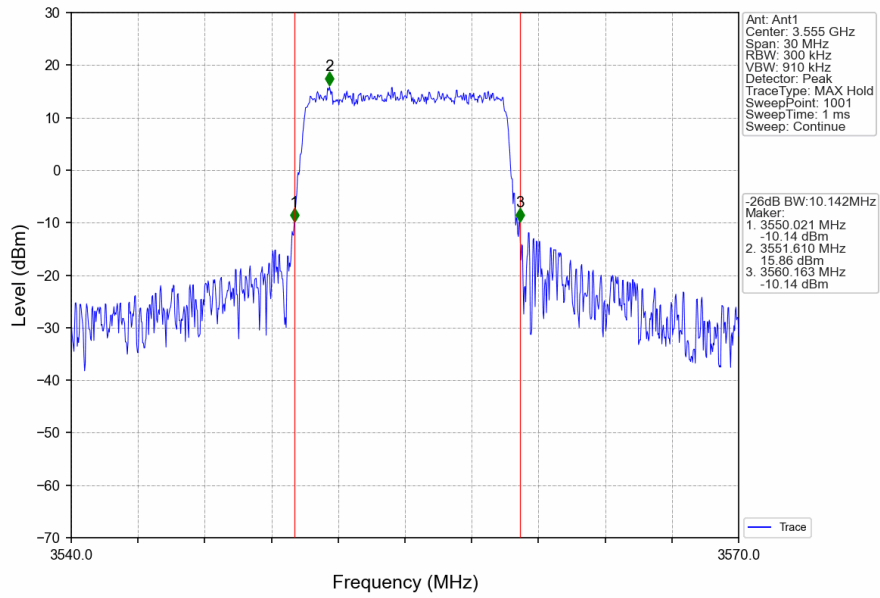
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



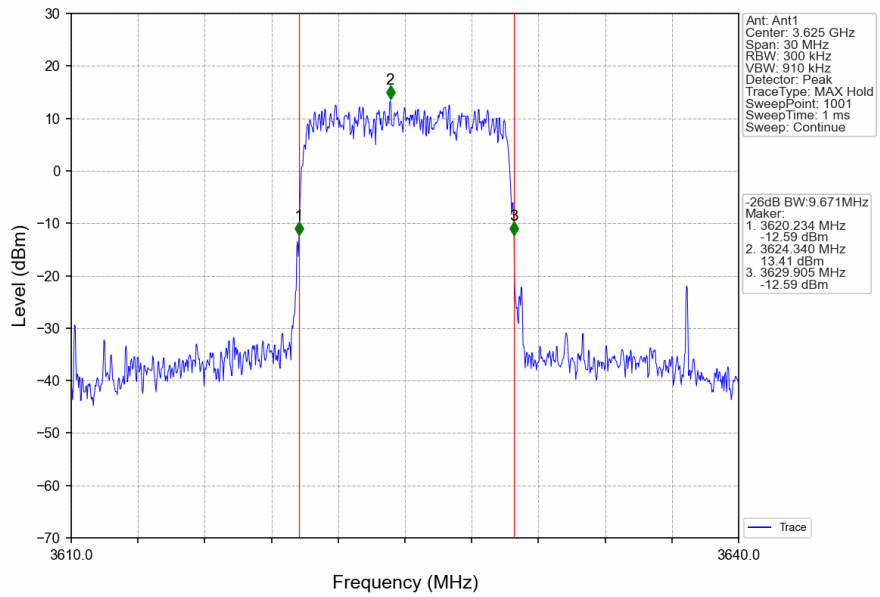
Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV



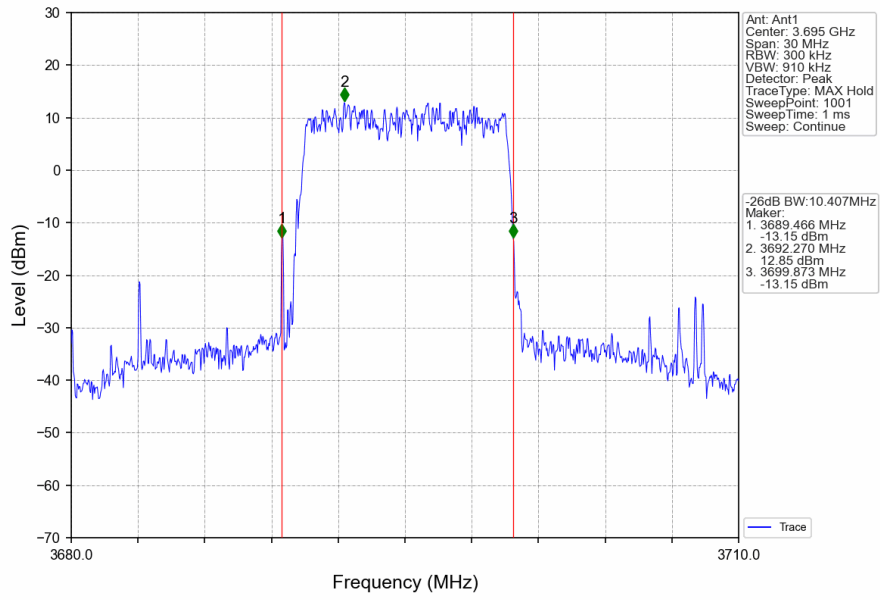
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



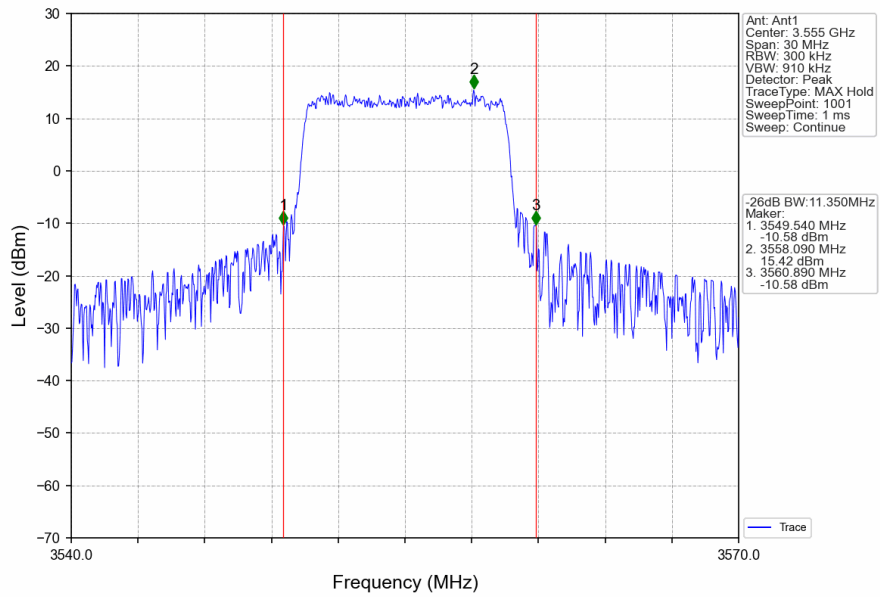
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



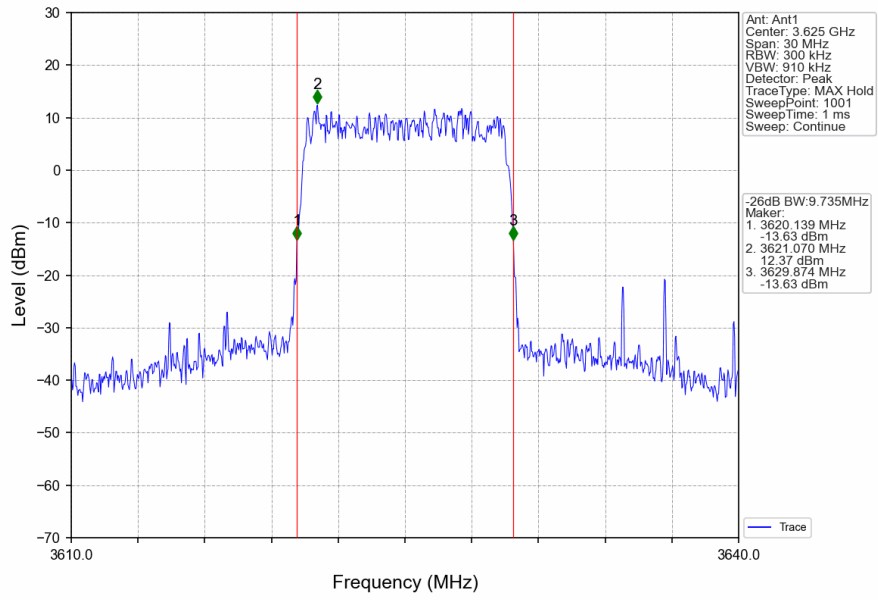
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



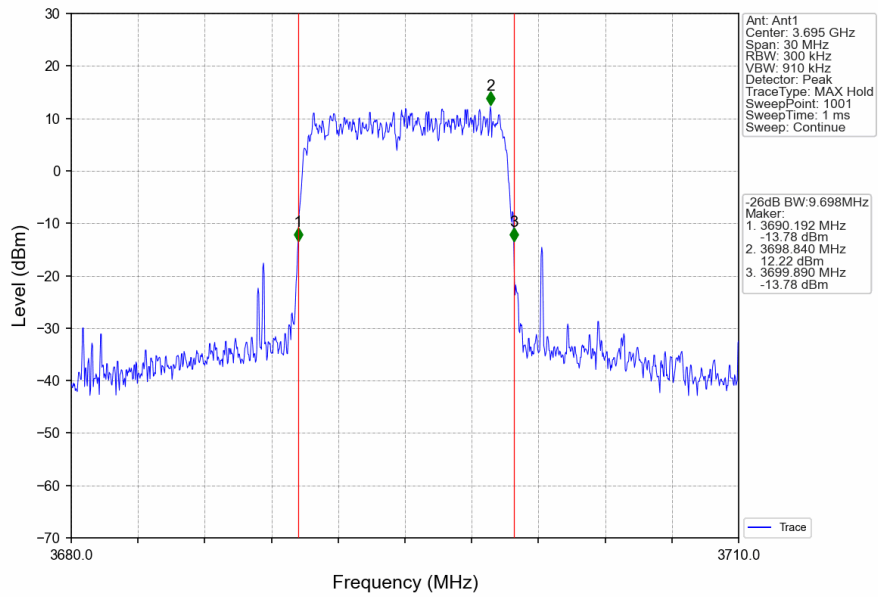
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



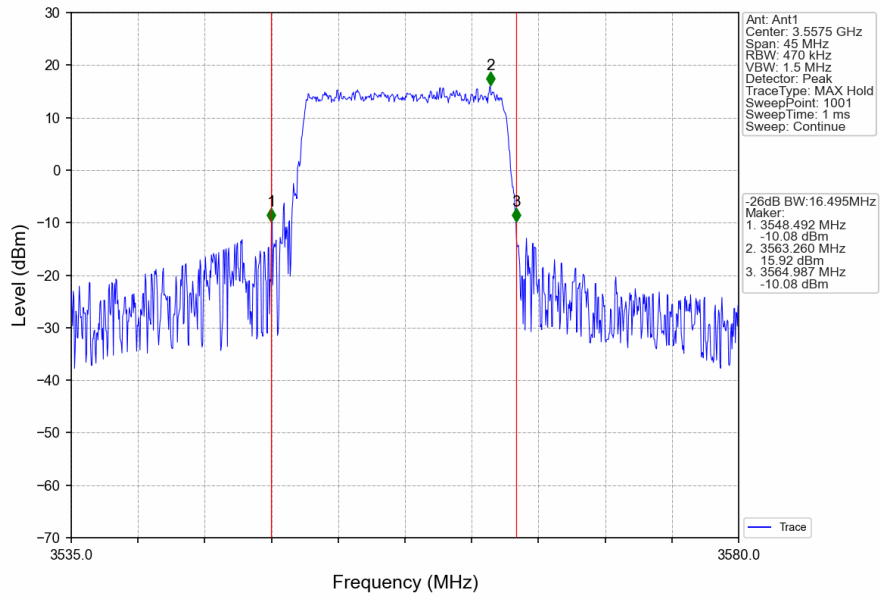
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



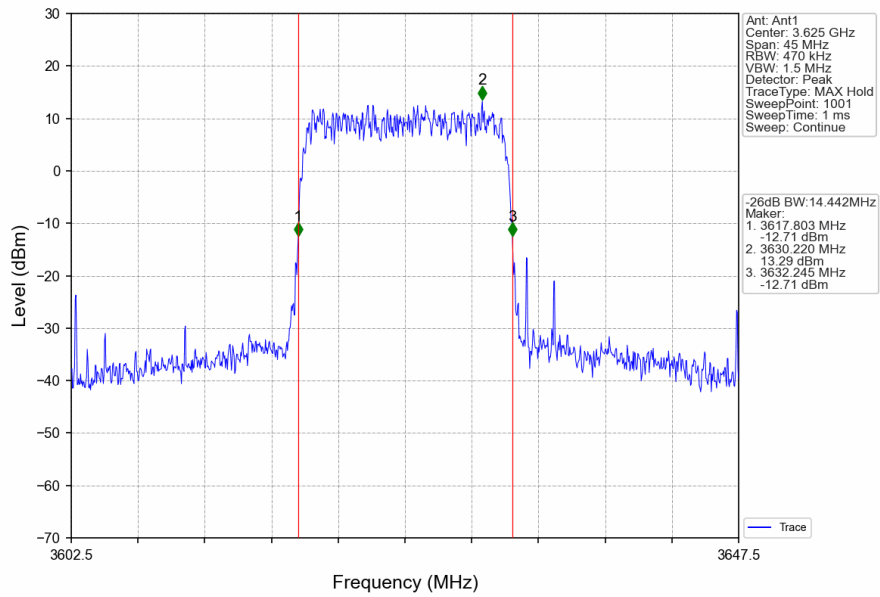
Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV



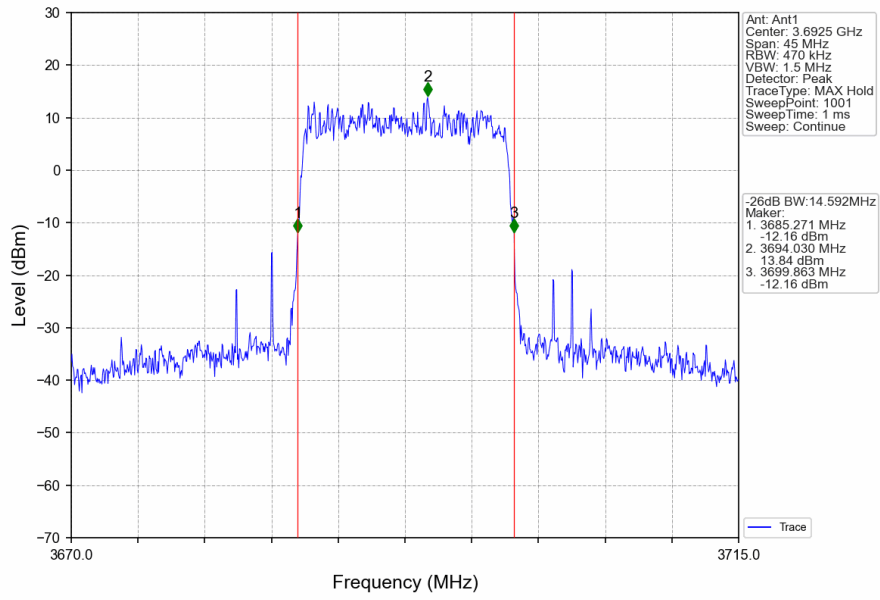
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



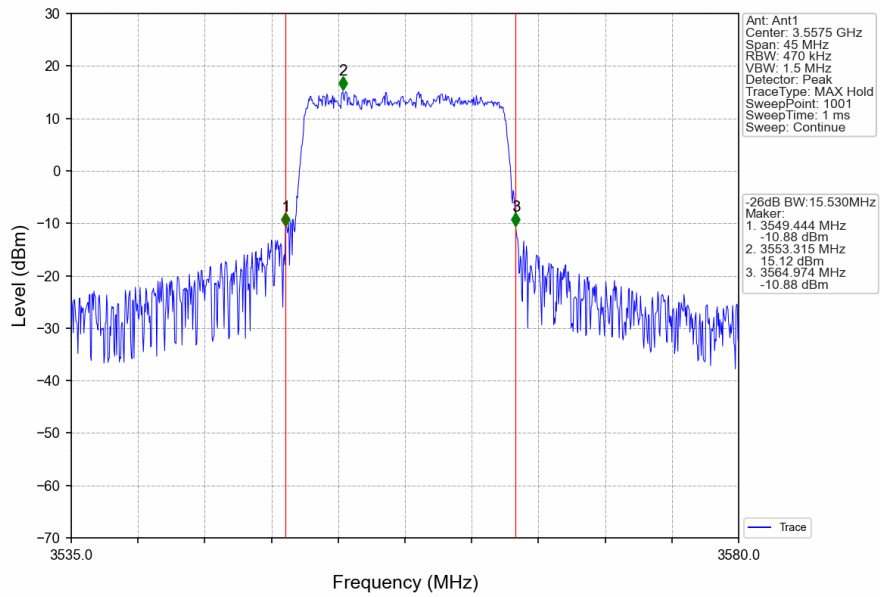
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



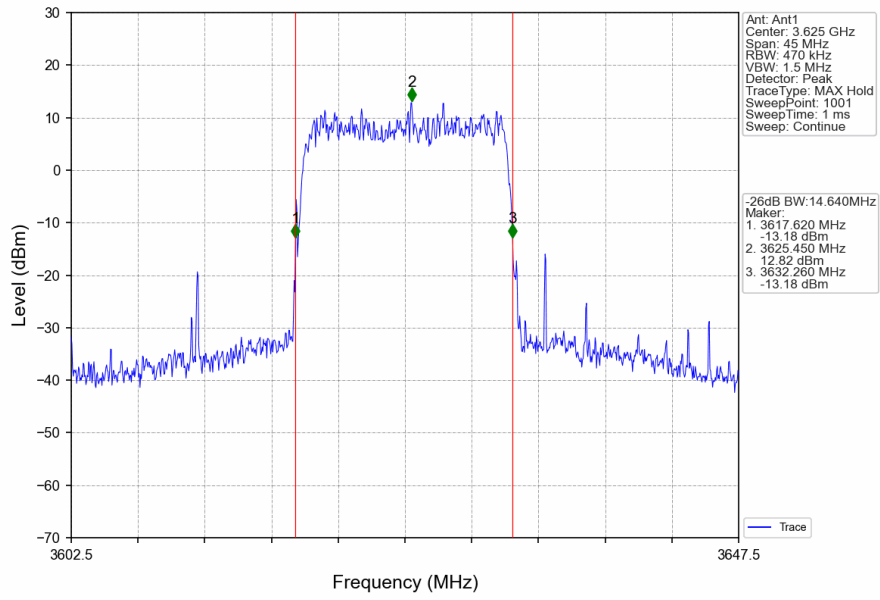
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



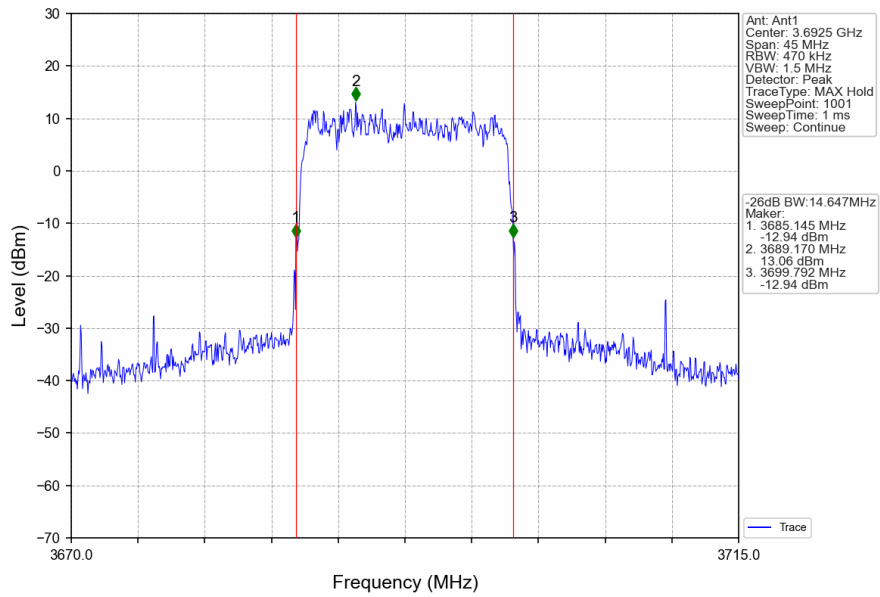
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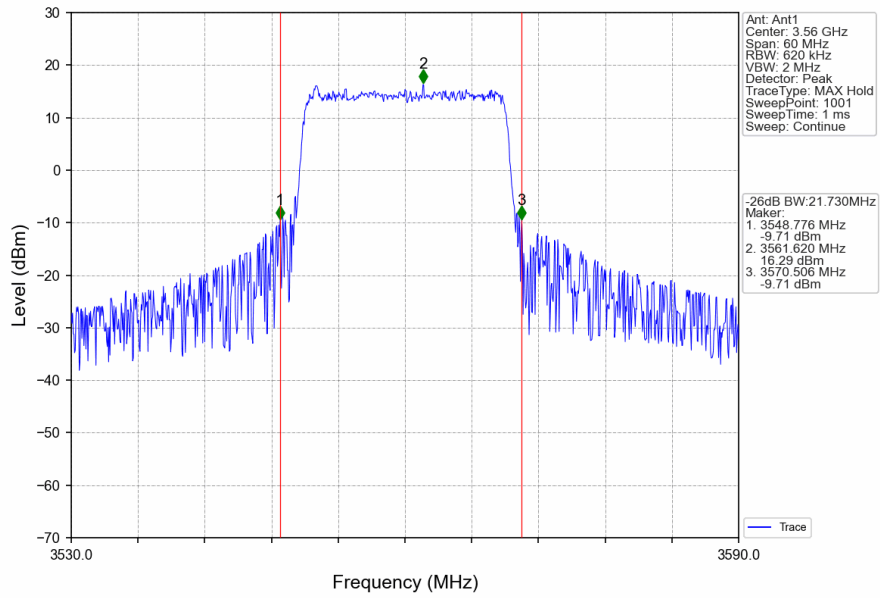
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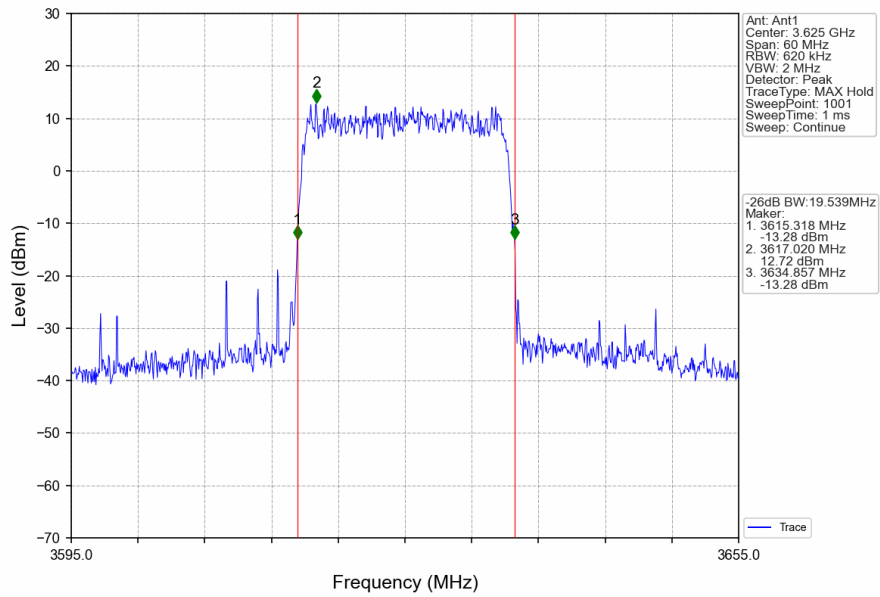
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



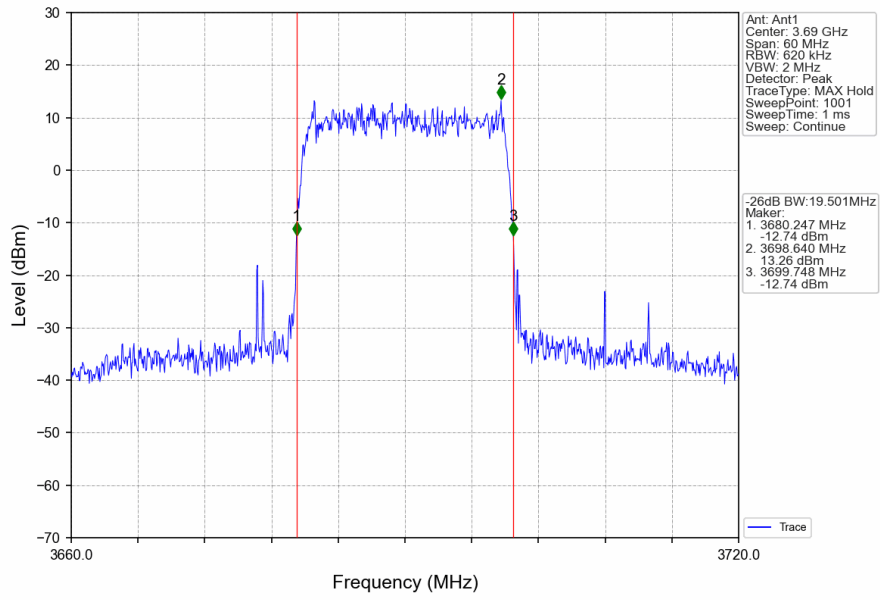
Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



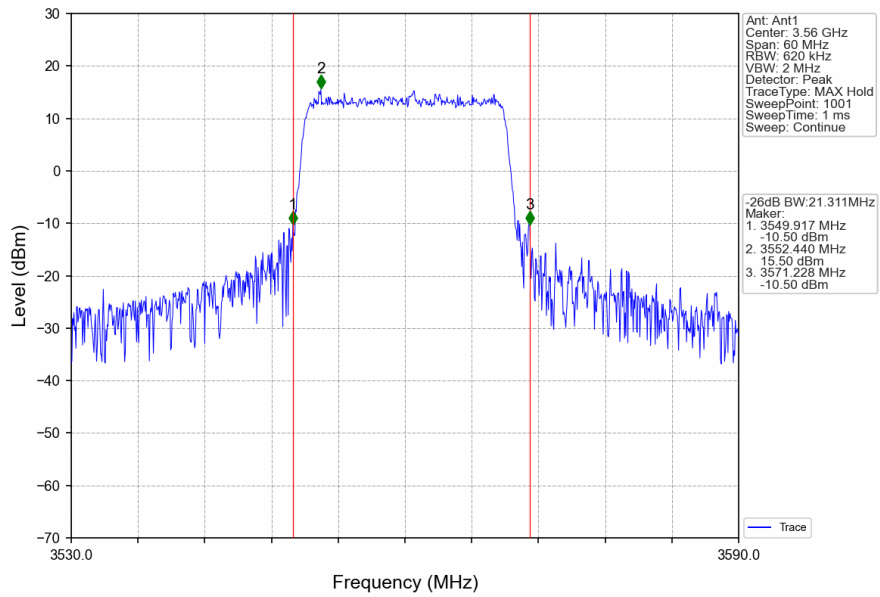
Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV



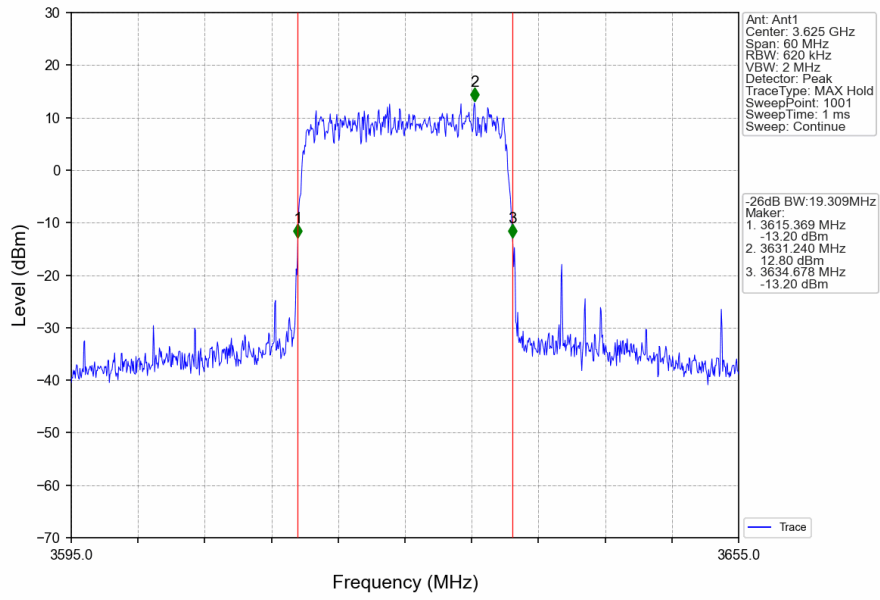
Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



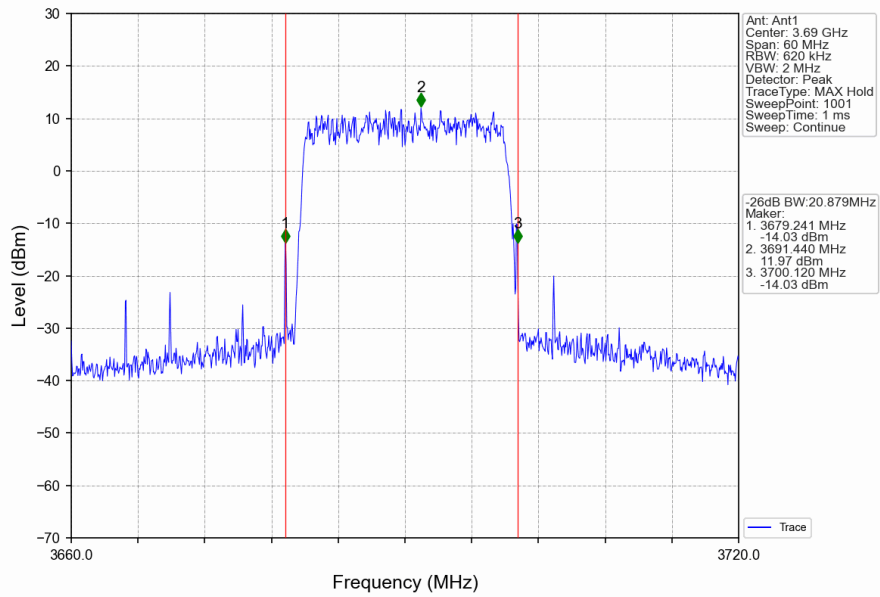
Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



16. 99% & 26dB Bandwidth

16.1 Band5_OBW

16.1.1 Test Result

Band: 5 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.107	Pass
		836.5	6	0	1.096	Pass
		848.3	6	0	1.095	Pass
	16QAM	824.7	6	0	1.102	Pass
		836.5	6	0	1.097	Pass
		848.3	6	0	1.108	Pass
3	QPSK	825.5	15	0	2.737	Pass
		836.5	15	0	2.744	Pass
		847.5	15	0	2.736	Pass
	16QAM	825.5	15	0	2.724	Pass
		836.5	15	0	2.736	Pass
		847.5	15	0	2.735	Pass
5	QPSK	826.5	25	0	4.542	Pass
		836.5	25	0	4.531	Pass
		846.5	25	0	4.562	Pass
	16QAM	826.5	25	0	4.545	Pass
		836.5	25	0	4.545	Pass
		846.5	25	0	4.535	Pass
10	QPSK	829	50	0	9.081	Pass
		836.5	50	0	9.049	Pass
		844	50	0	9.035	Pass
	16QAM	829	50	0	9.049	Pass
		836.5	50	0	9.014	Pass
		844	50	0	9.036	Pass