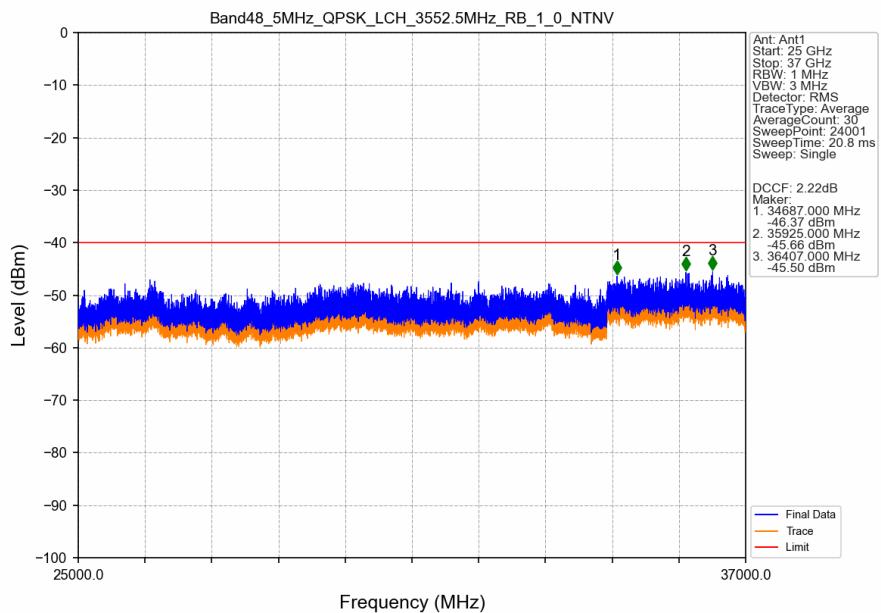
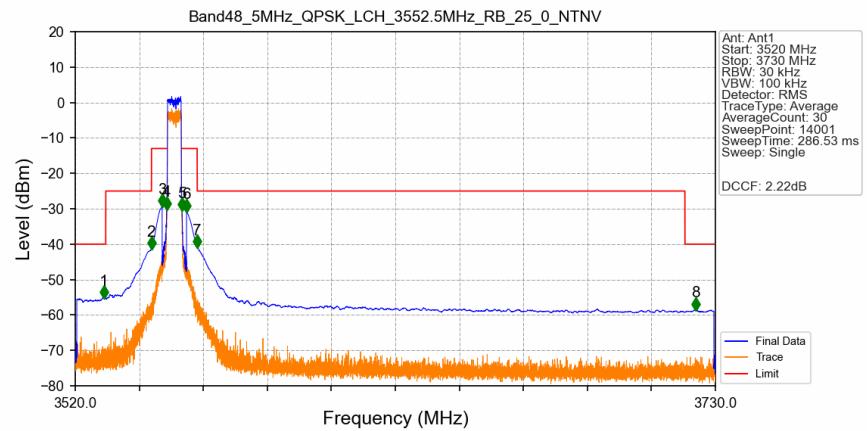


Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV

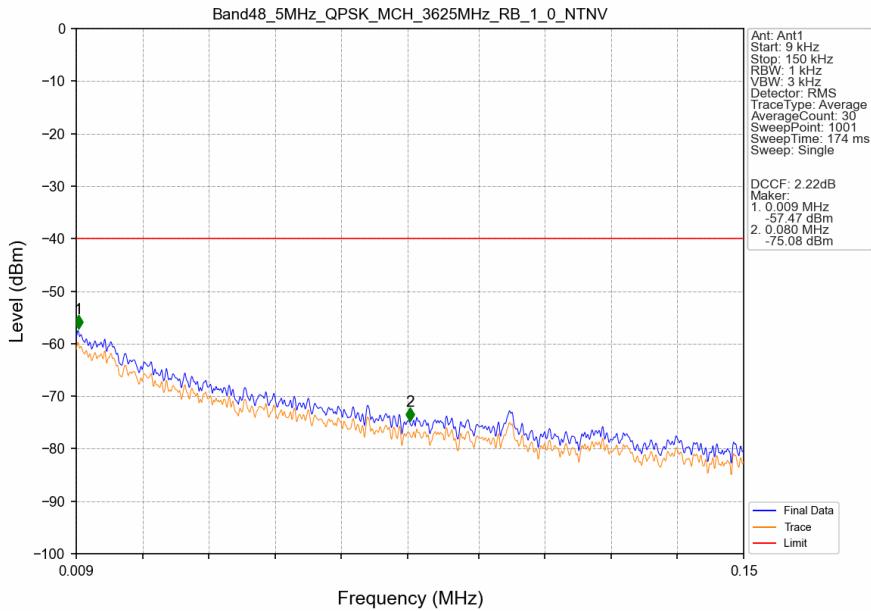


Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV

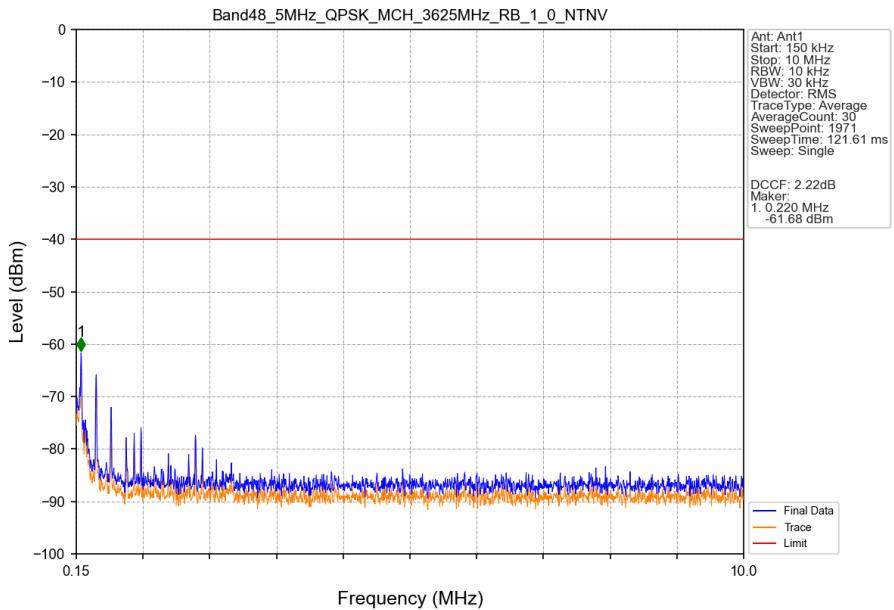


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.435	55.10	-40	Pass
3530	3545	1	CHP	2	3544.990	-41.19	-25	Pass
3545	3549	1	CHP	3	3548.500	-29.22	-13	Pass
3549	3550	0.052	CHP	4	3549.985	-30.01	-13	Pass
3550	3555	0.052	CHP	/	/	/	/	/
3555	3556	0.052	CHP	5	3555.010	-30.39	-13	Pass
3556	3560	1	CHP	6	3556.510	-30.64	-13	Pass
3560	3720	1	CHP	7	3560.005	-40.87	-25	Pass
3720	3730	1	CHP	8	3723.430	-58.43	-40	Pass

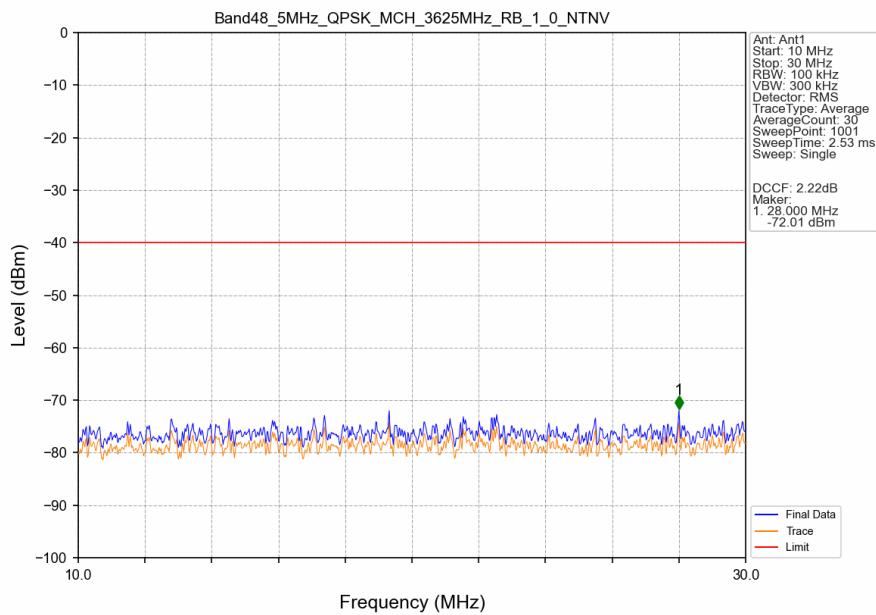
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



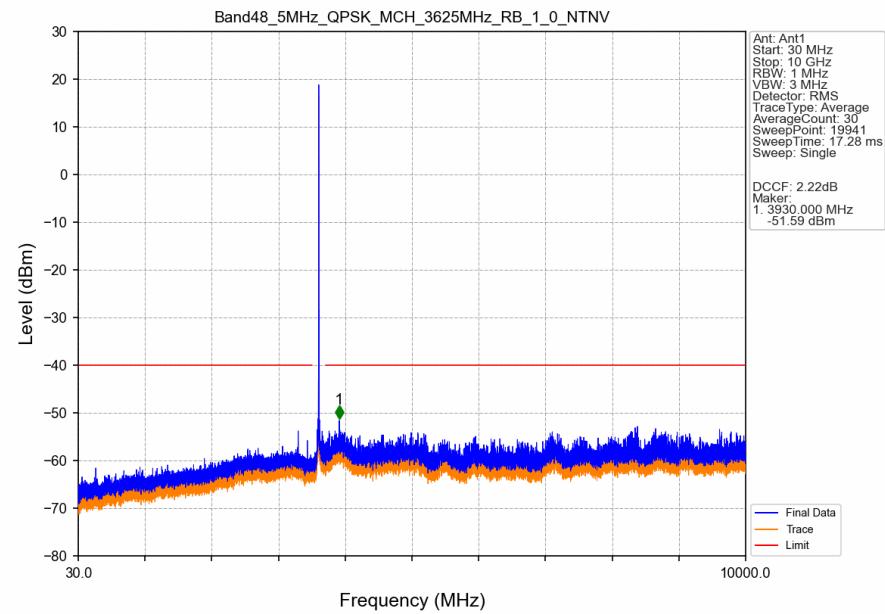
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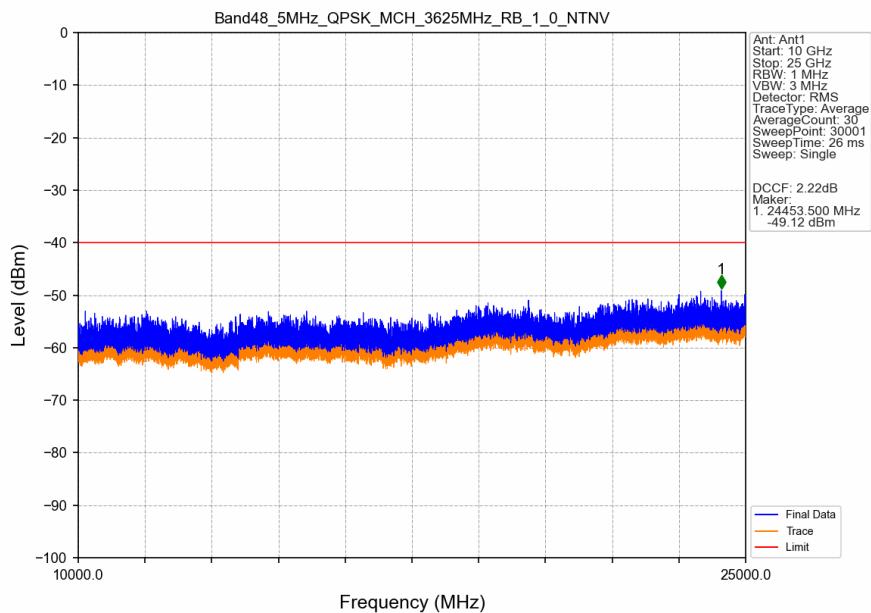
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



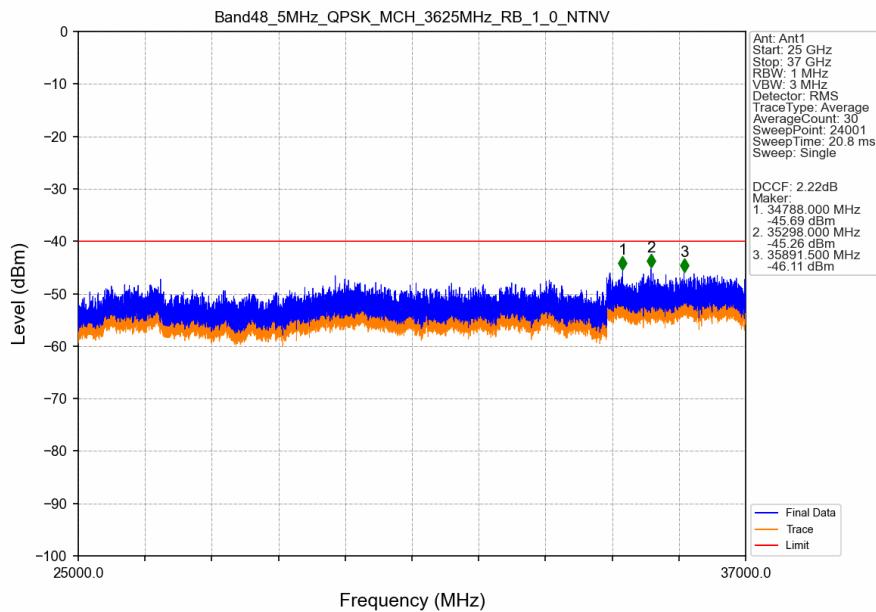
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



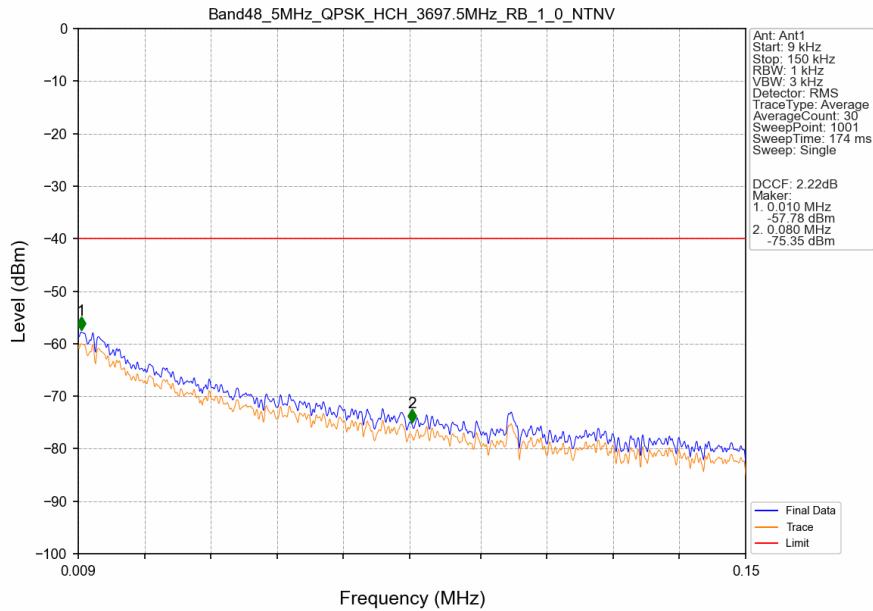
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



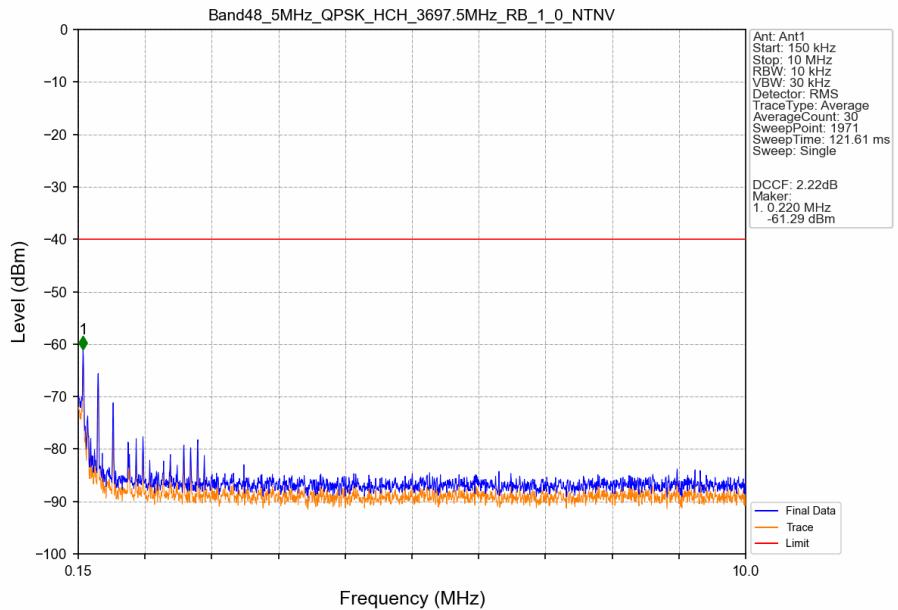
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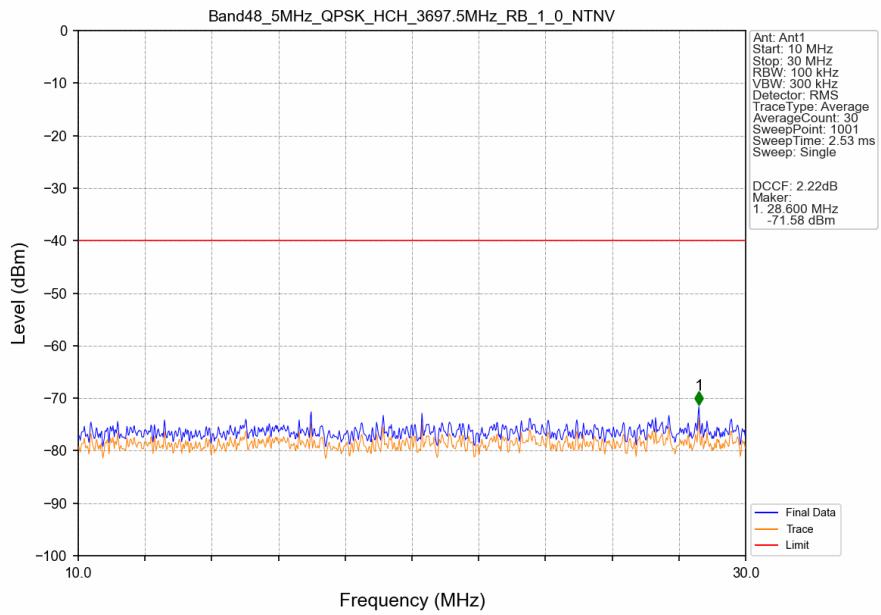
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



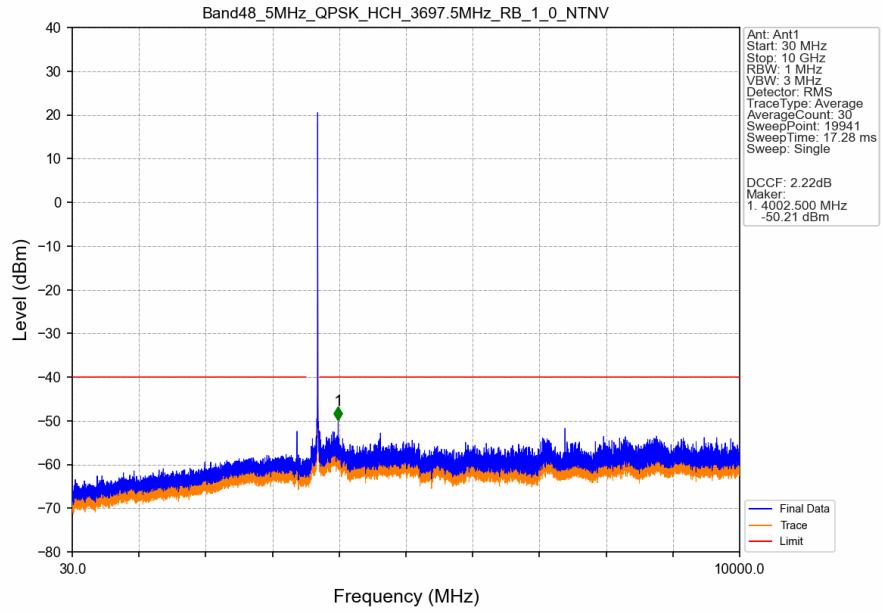
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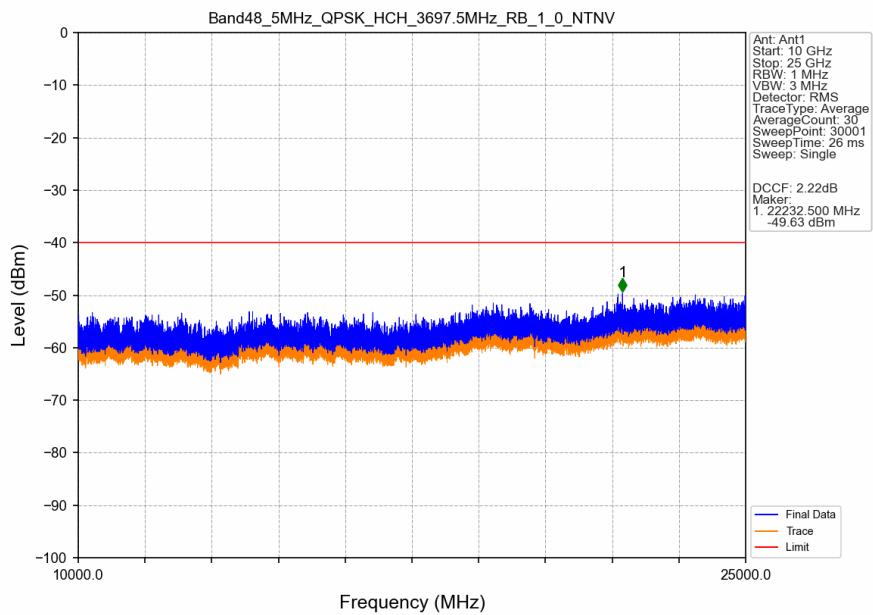
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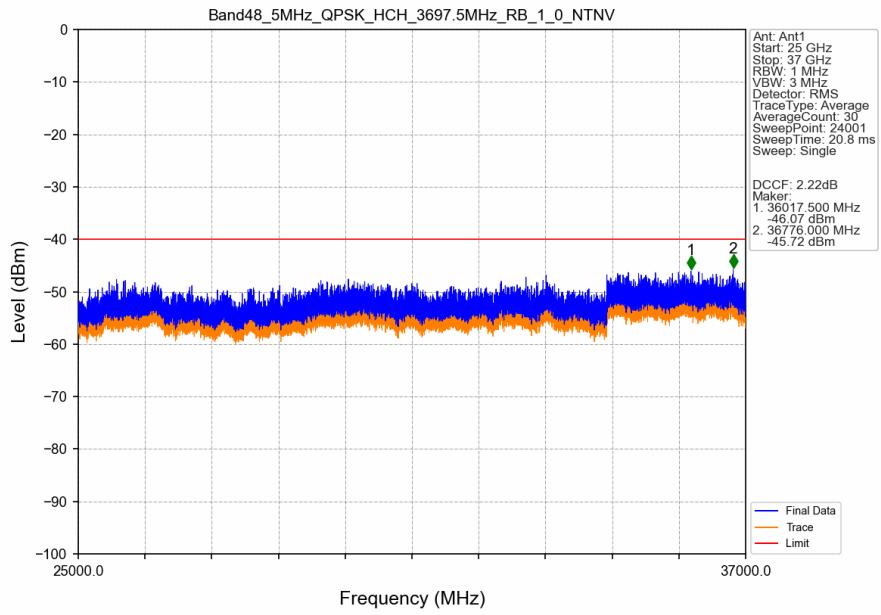
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



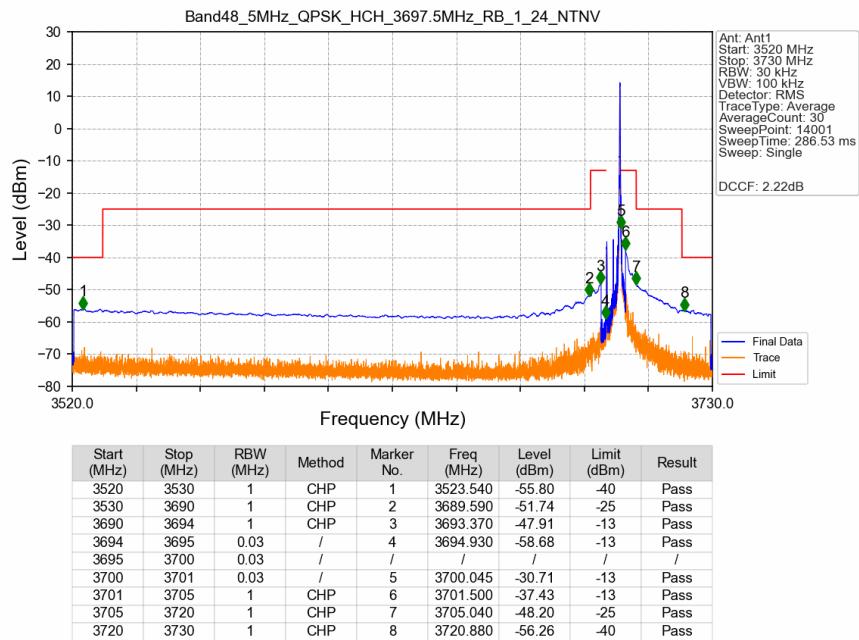
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



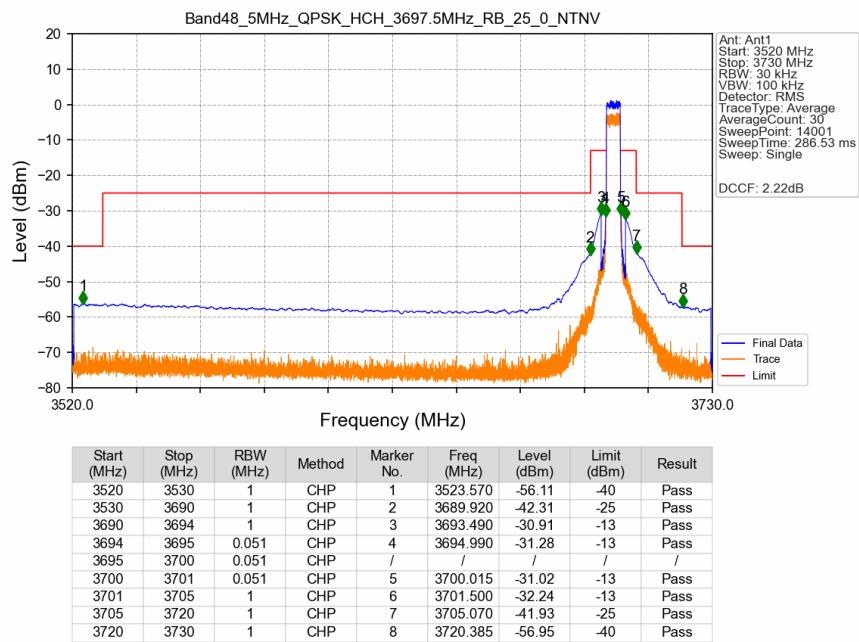
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



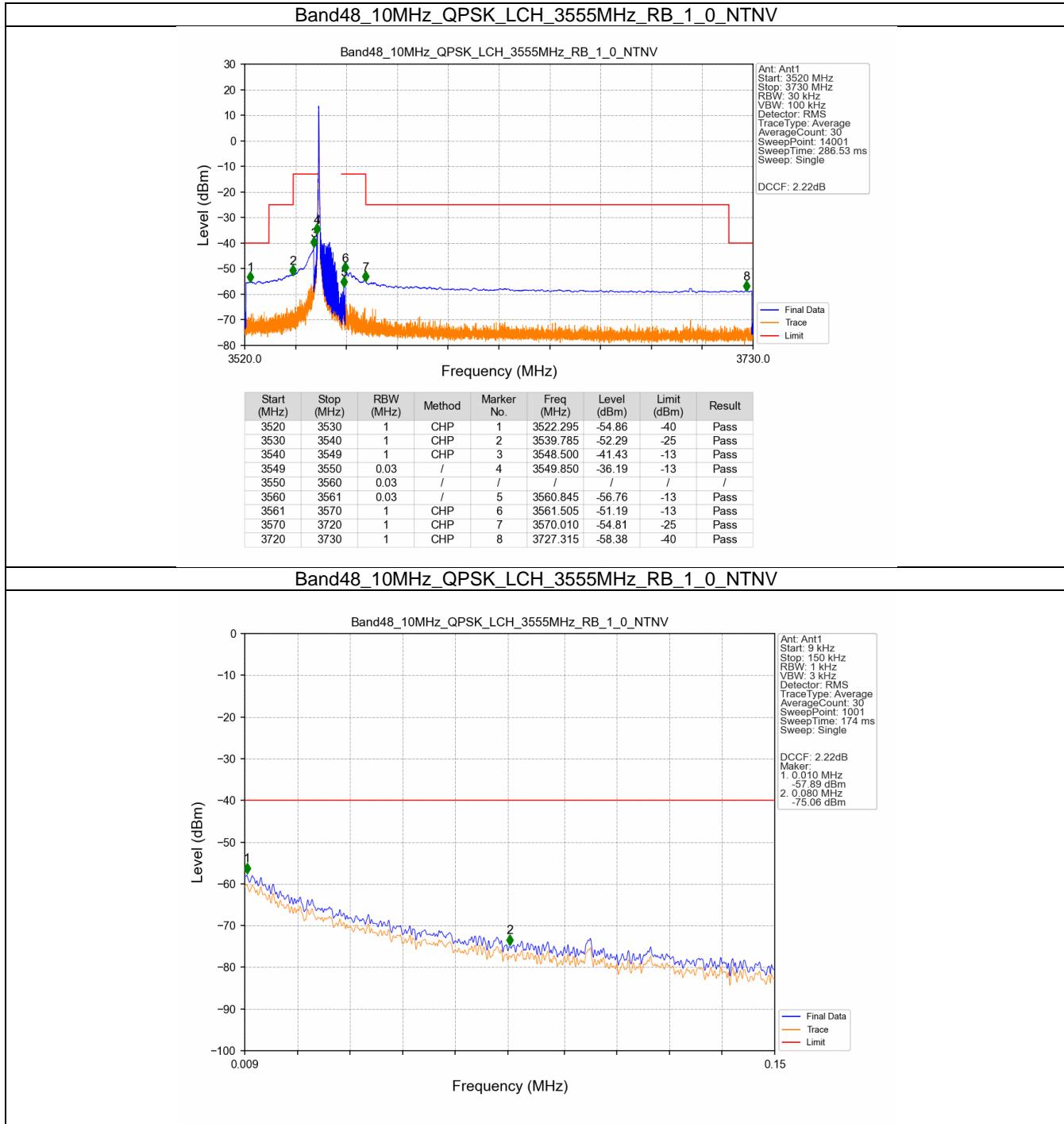
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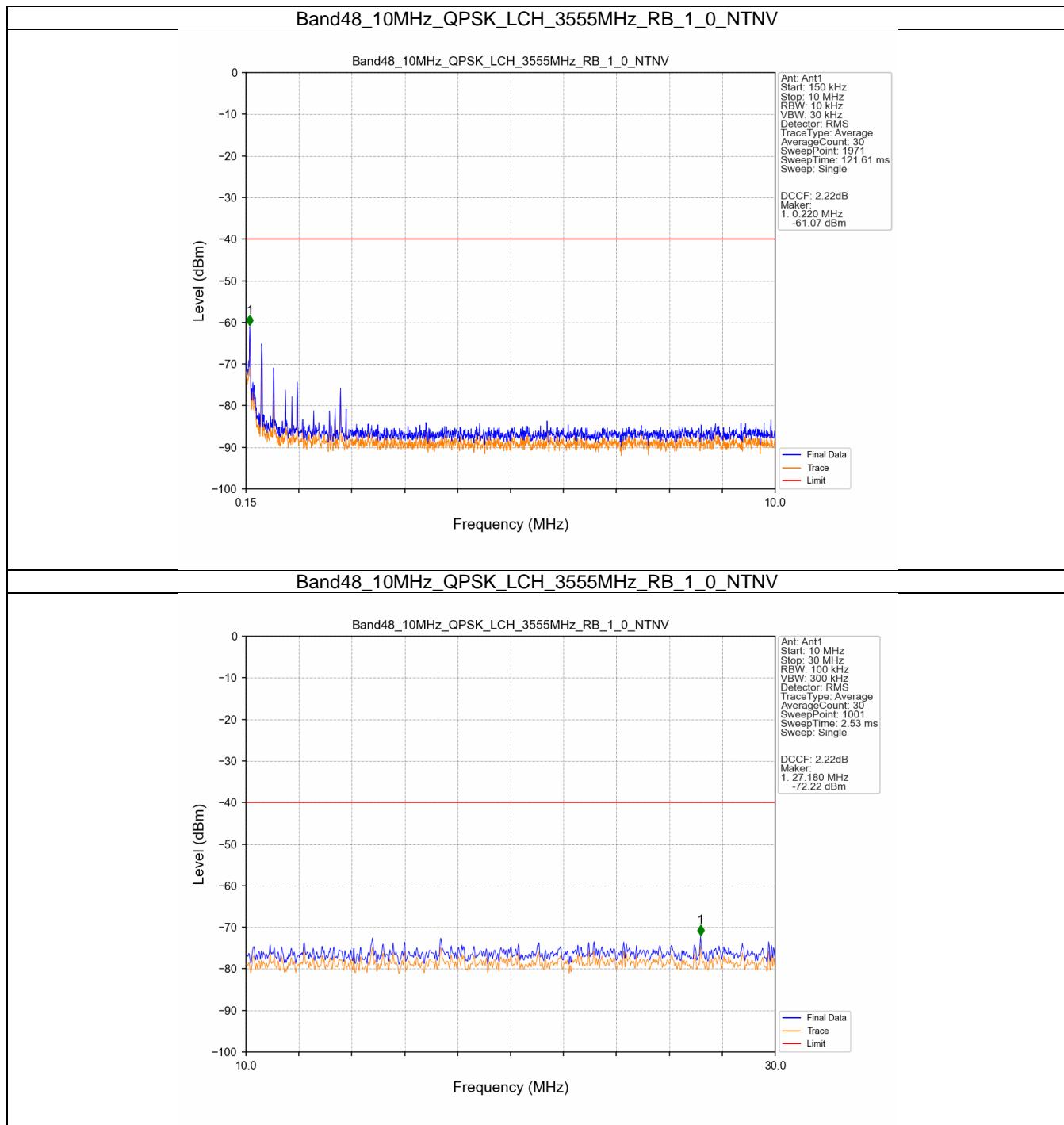


Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV

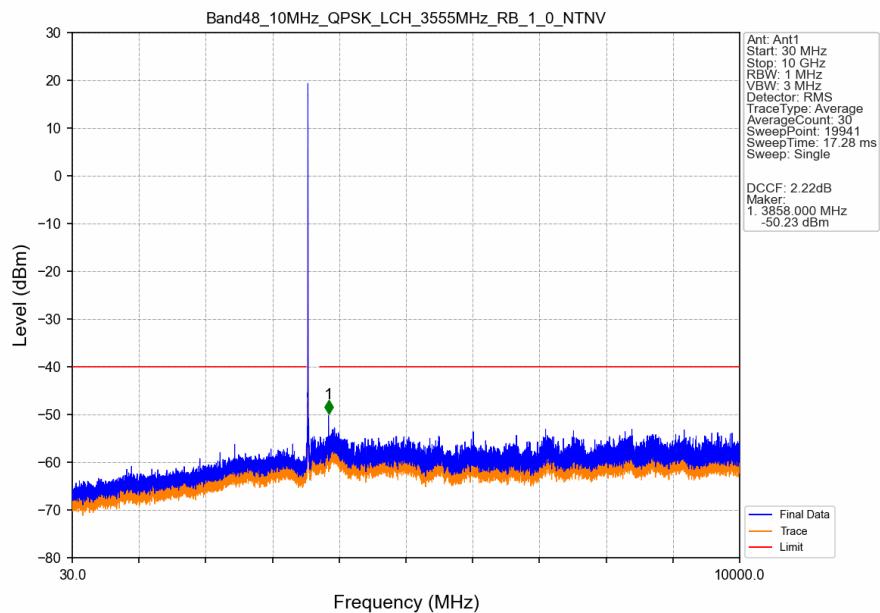


5.2.2 B48_10MHz

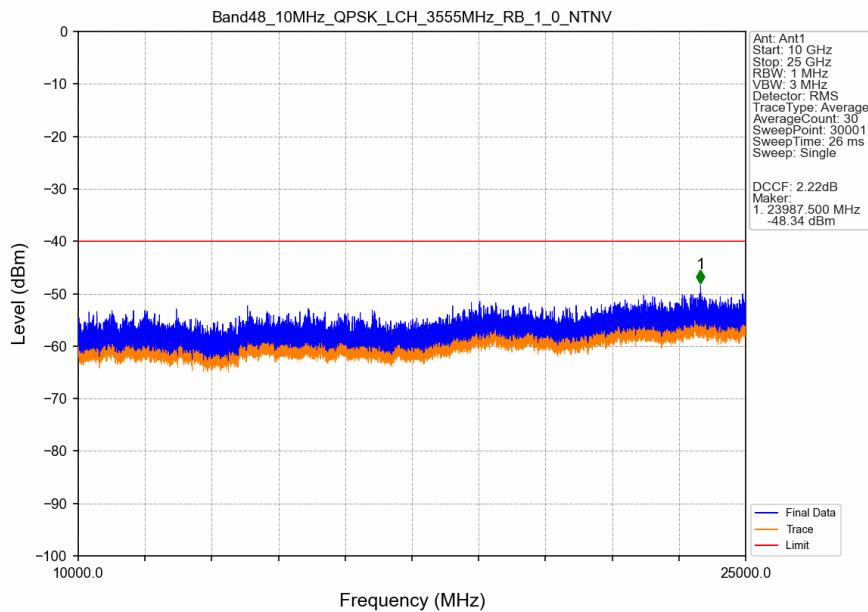




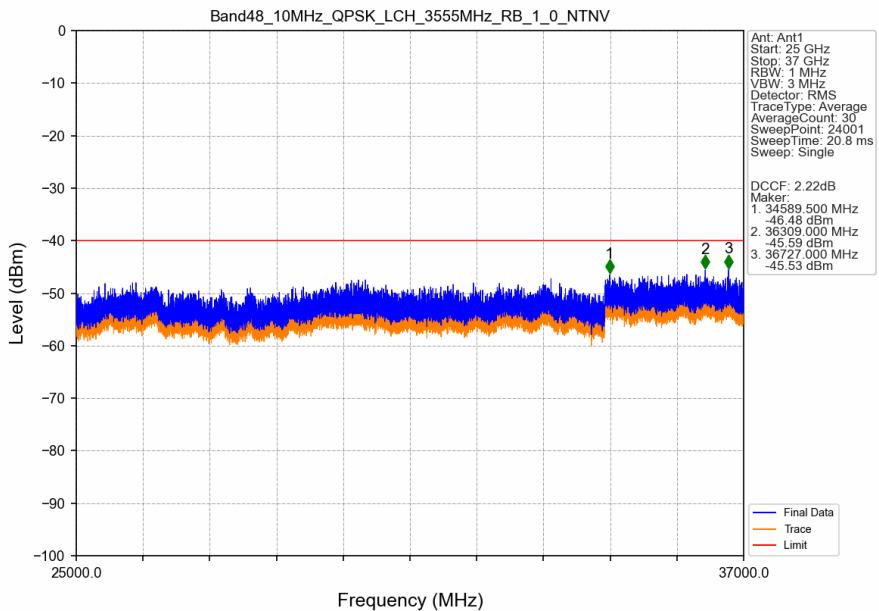
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



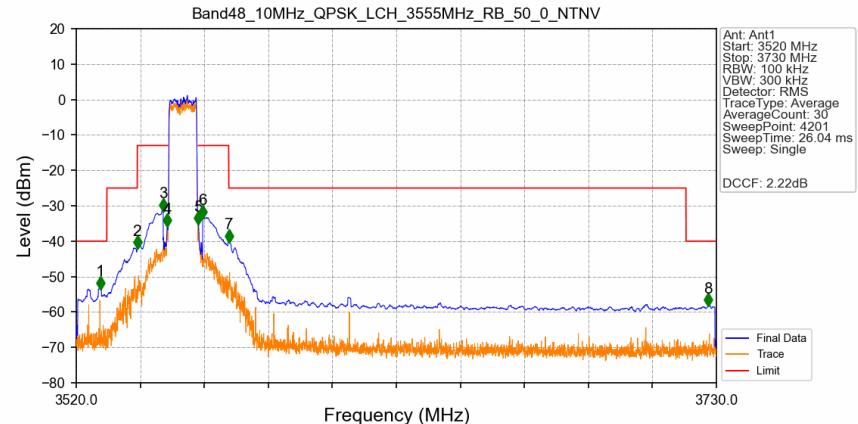
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

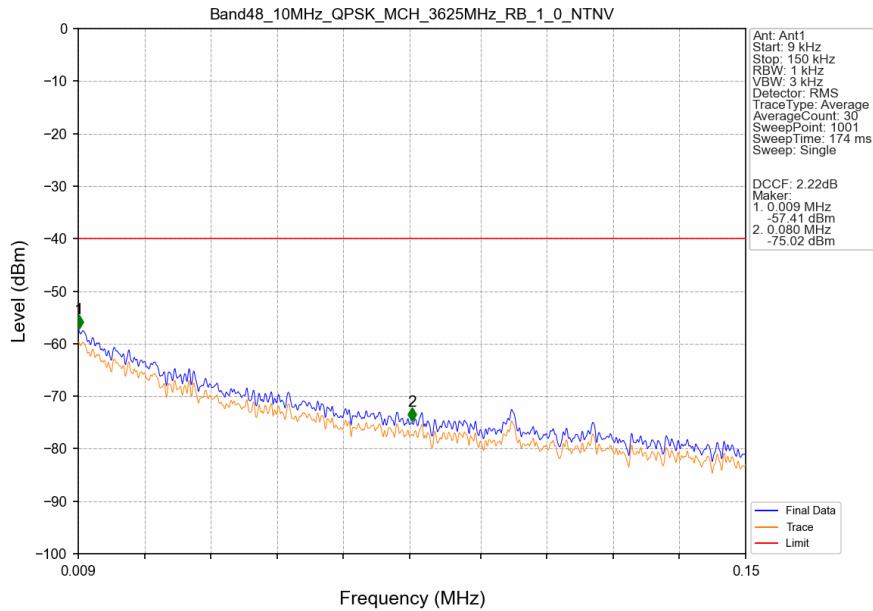


Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV

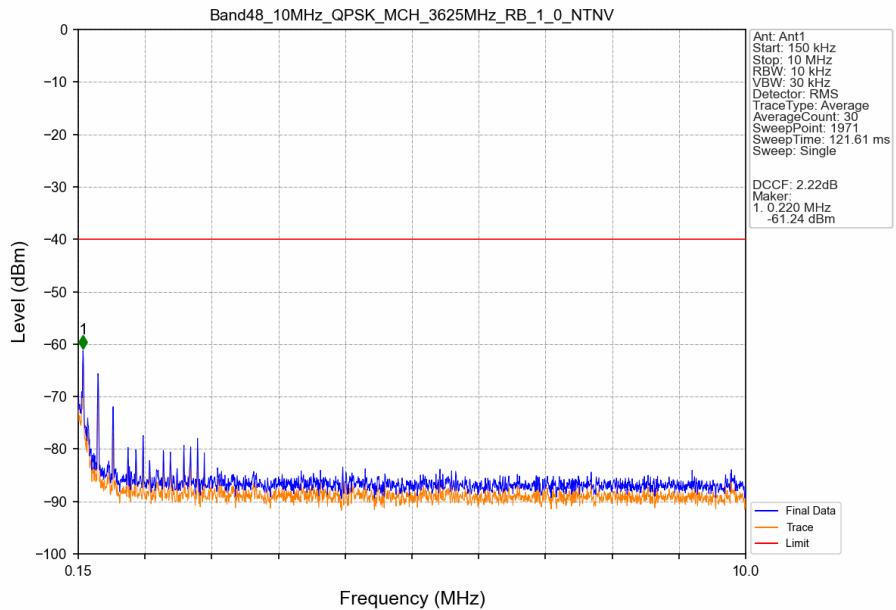


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3527.850	53.29	-40	Pass
3530	3540	1	CHP	2	3540.000	-41.92	-25	Pass
3540	3549	1	CHP	3	3548.500	-31.31	-13	Pass
3549	3550	0.102	CHP	4	3549.900	-35.70	-13	Pass
3550	3560	0.102	CHP	/	/	/	/	/
3560	3561	0.102	CHP	5	3560.050	-35.02	-13	Pass
3561	3570	1	CHP	6	3561.500	-33.23	-13	Pass
3570	3720	1	CHP	7	3570.150	-40.08	-25	Pass
3720	3730	1	CHP	8	3727.200	-58.14	-40	Pass

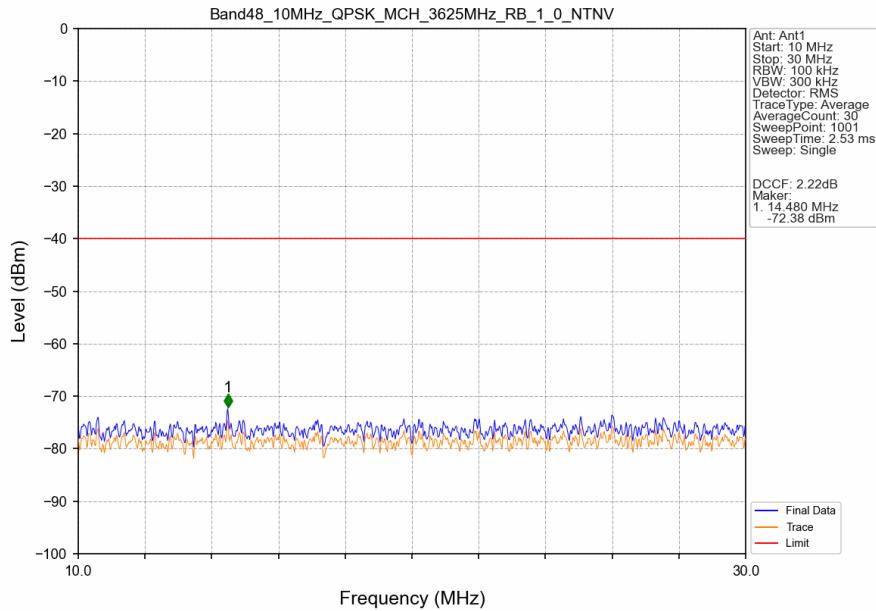
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



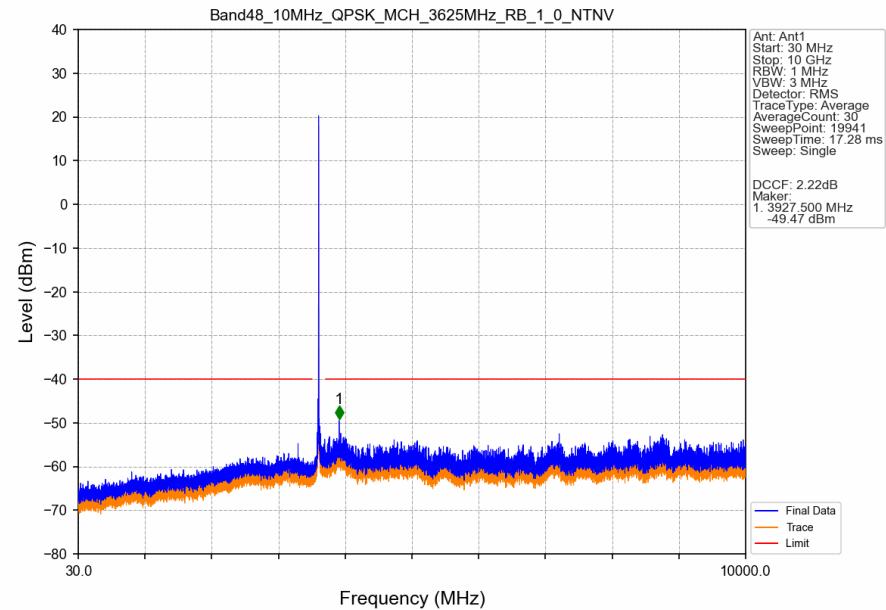
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



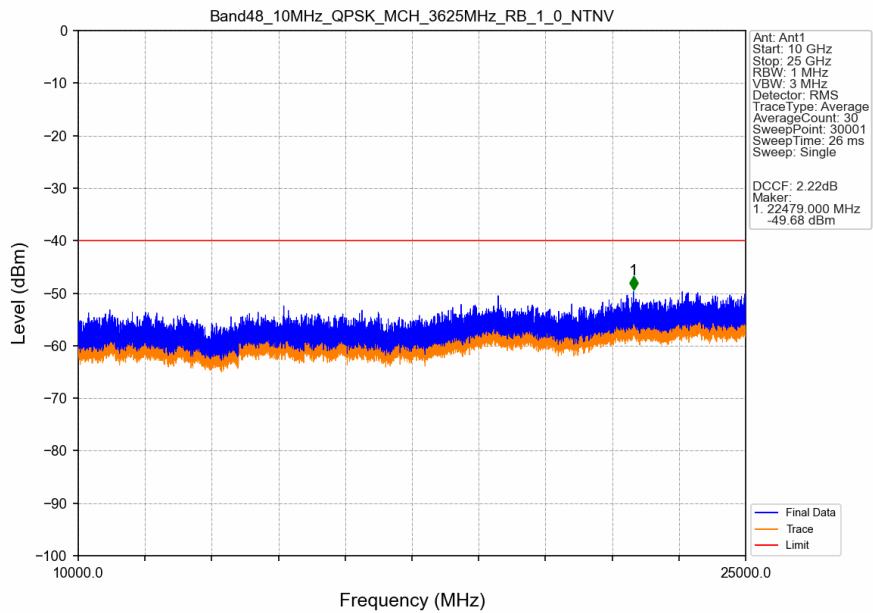
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



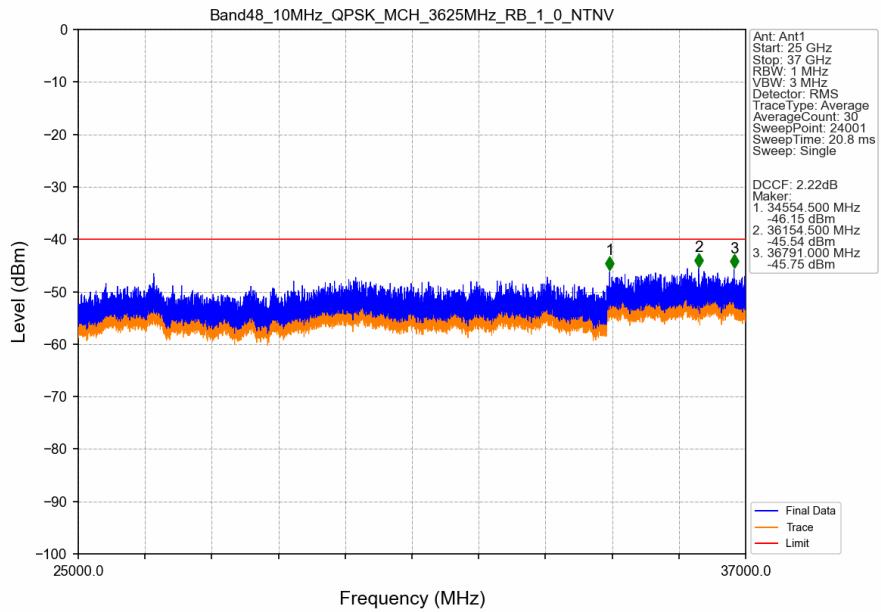
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



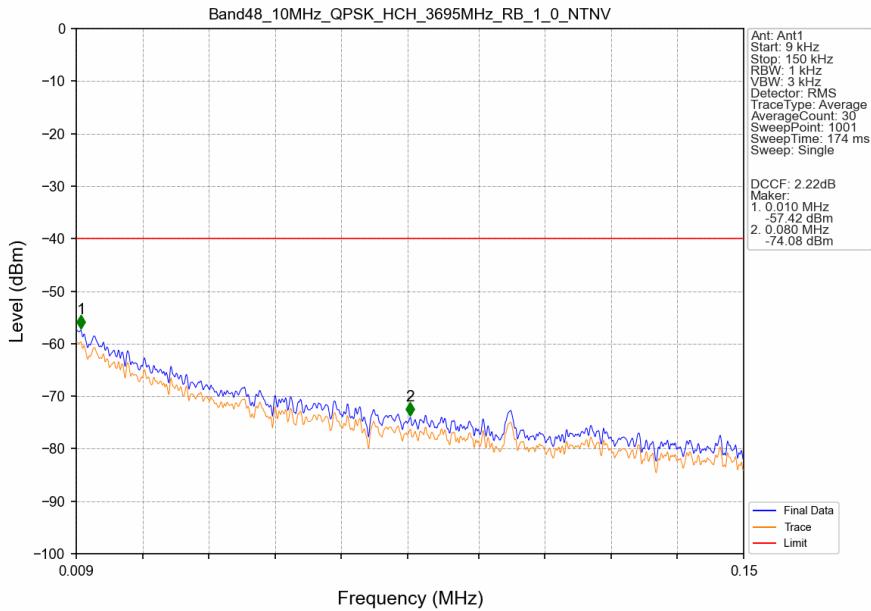
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



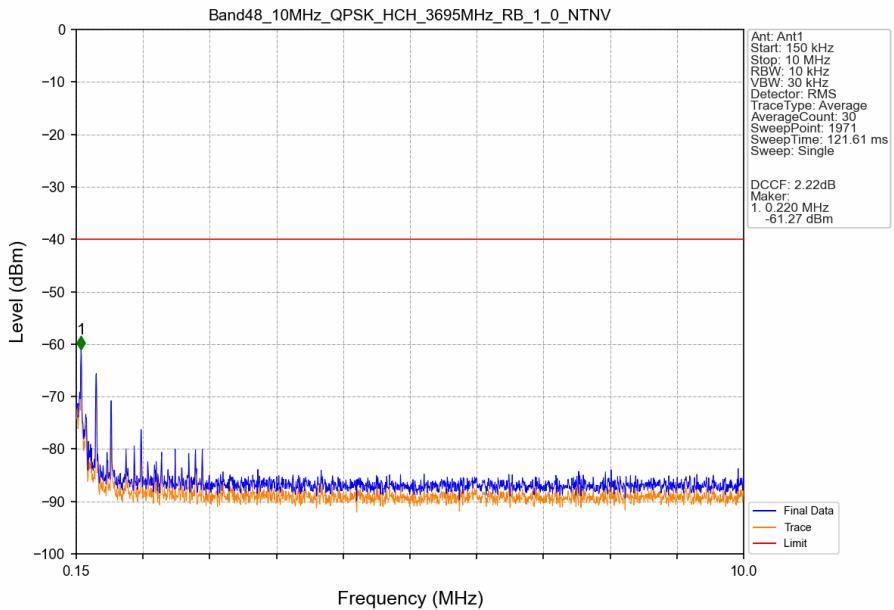
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



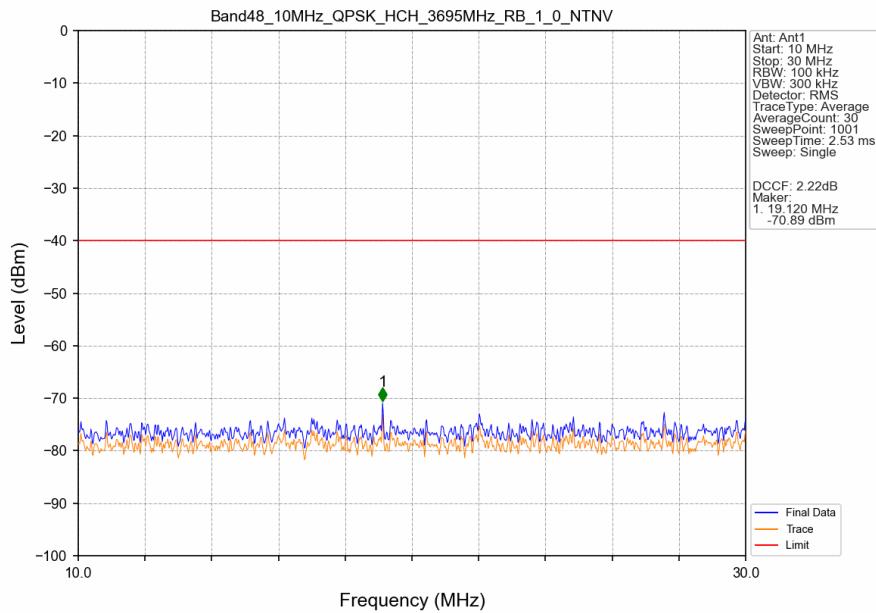
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



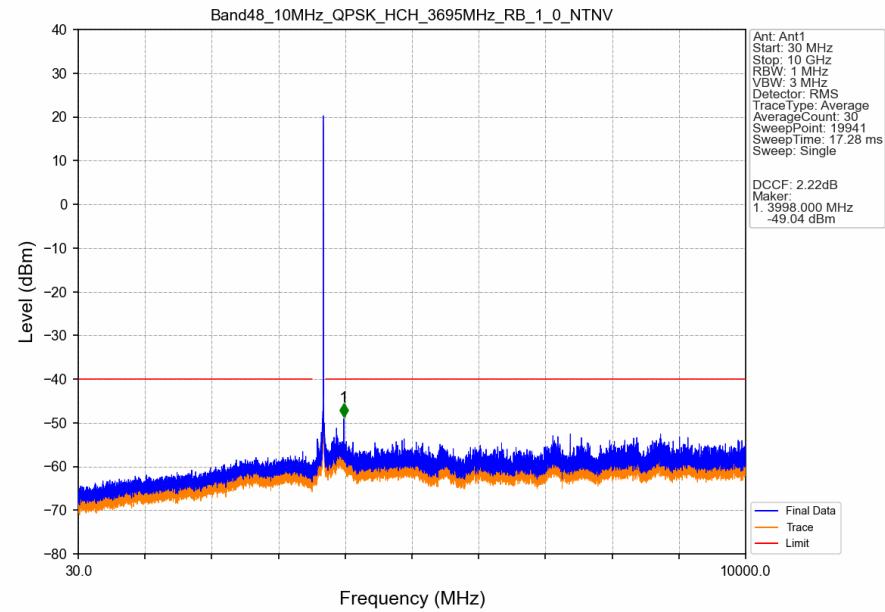
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



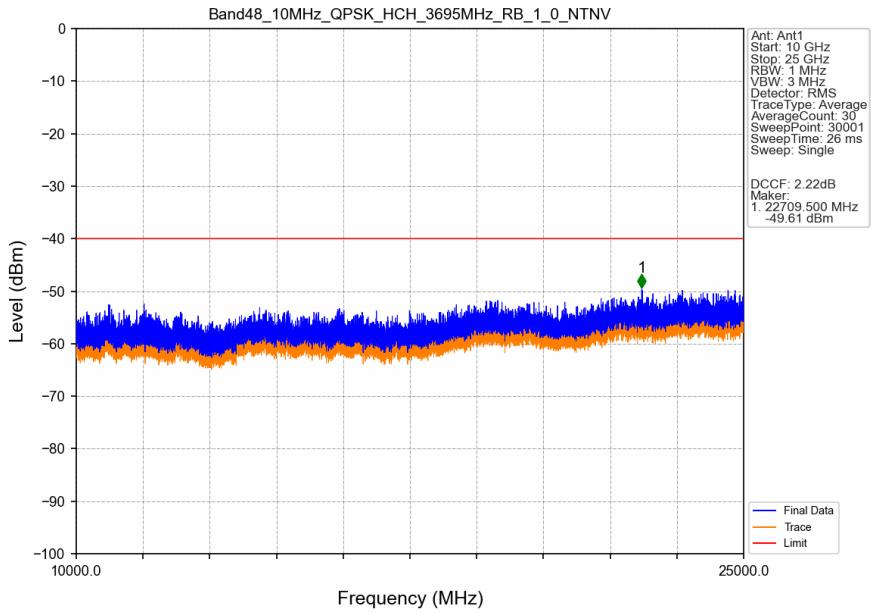
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



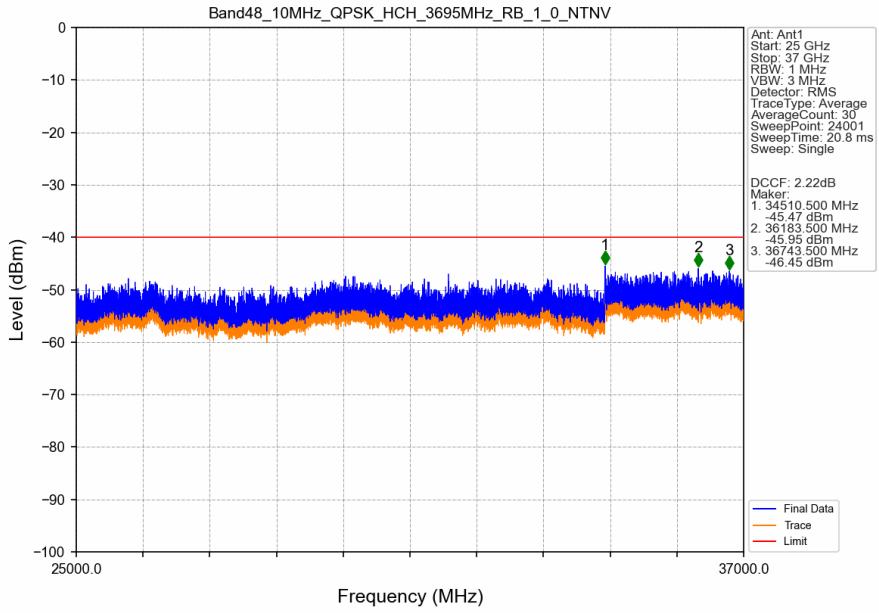
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



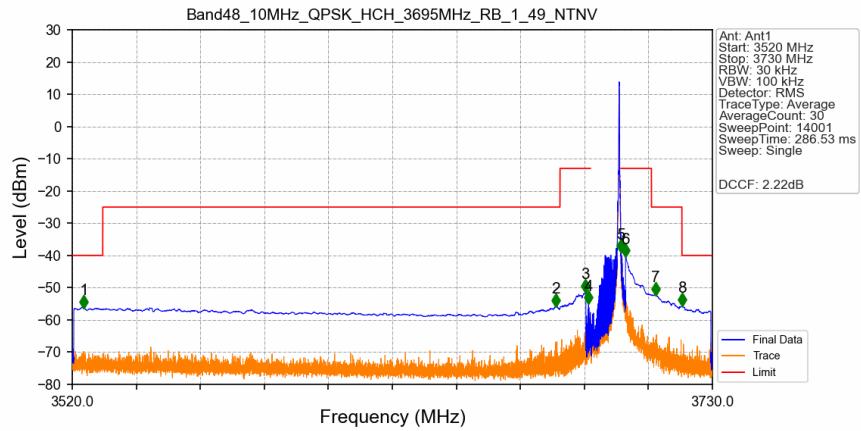
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV

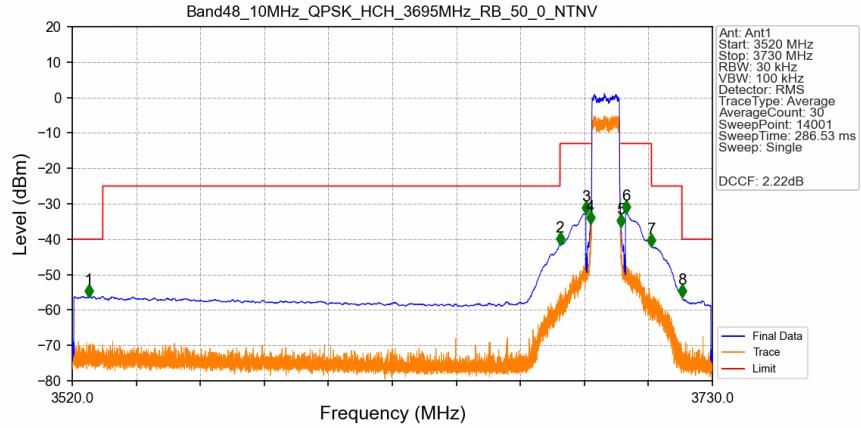


Band48_10MHz_QPSK_HCH_3695MHz_RB_1_49_NTNV



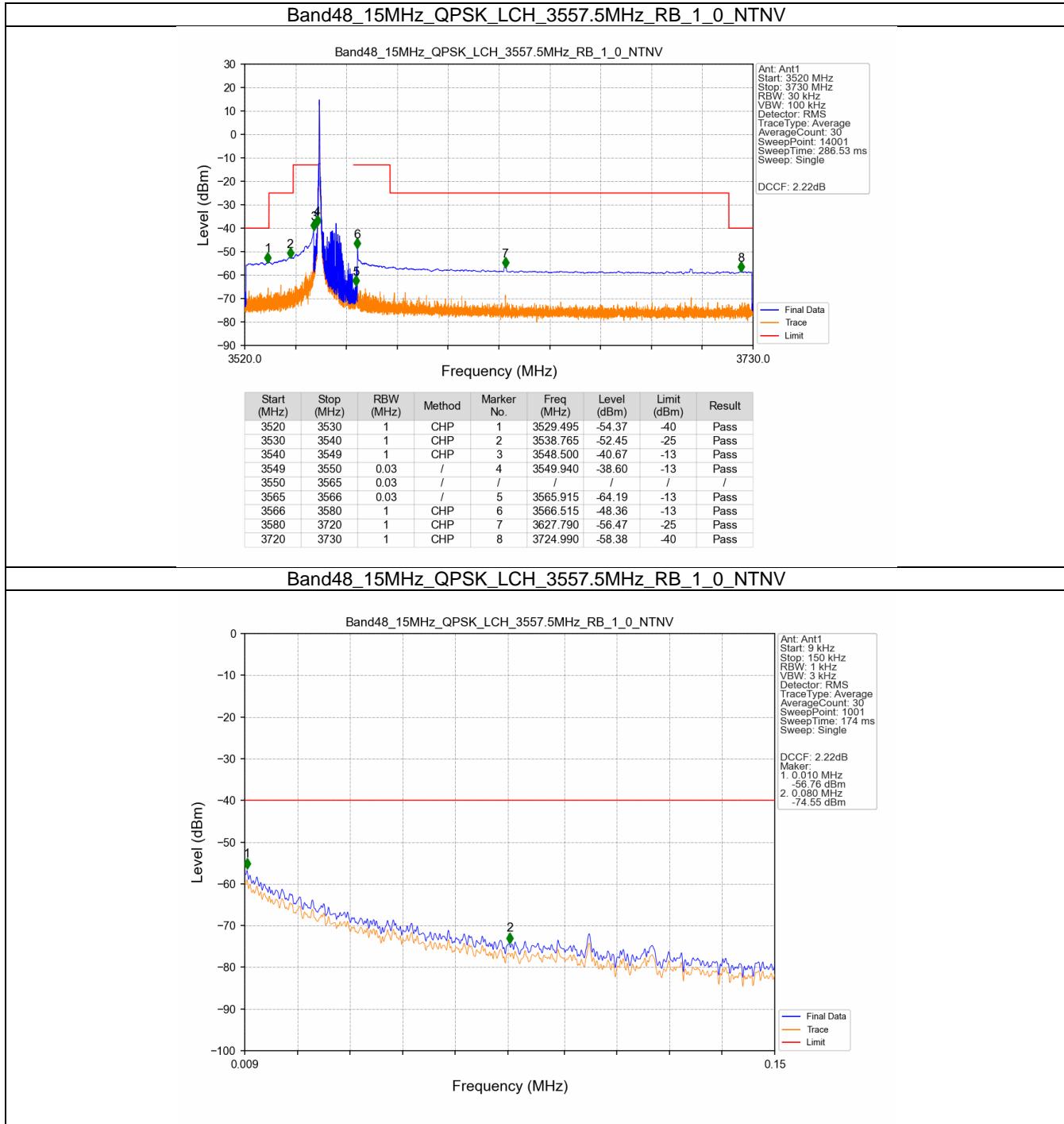
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3523.810	-56.05	-40	Pass
3530	3680	1	CHP	2	3678.715	-55.59	-25	Pass
3680	3689	1	CHP	3	3688.405	-51.10	-13	Pass
3689	3690	0.03	/	4	3689.365	-54.67	-13	Pass
3690	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.015	-38.75	-13	Pass
3701	3710	1	CHP	6	3701.500	-40.10	-13	Pass
3710	3720	1	CHP	7	3711.340	-52.01	-25	Pass
3720	3730	1	CHP	8	3720.025	-55.31	-40	Pass

Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV

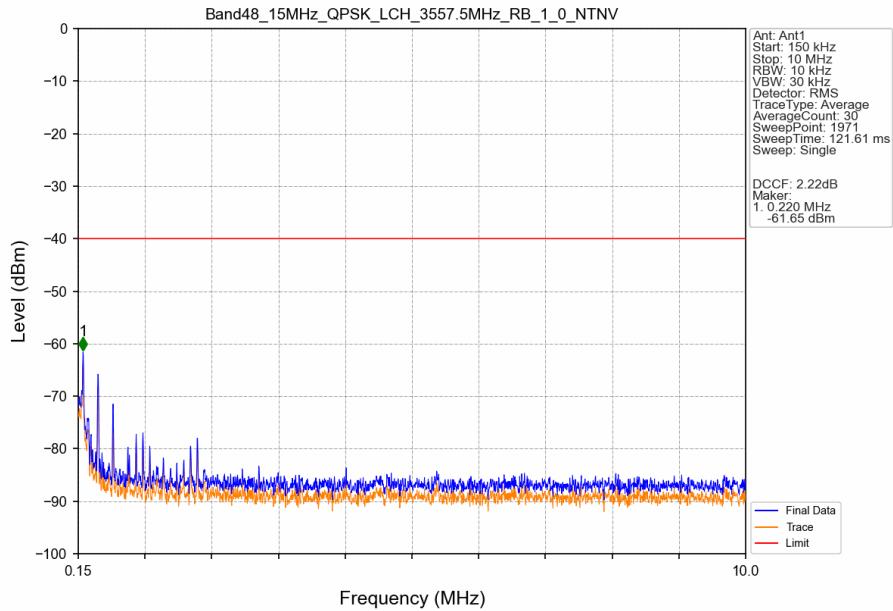


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3525.445	-56.12	-40	Pass
3530	3680	1	CHP	2	3679.990	-41.44	-25	Pass
3680	3689	1	CHP	3	3688.435	-32.63	-13	Pass
3689	3690	0.099	CHP	4	3689.980	-35.49	-13	Pass
3690	3700	0.099	CHP	/	/	/	/	/
3700	3701	0.099	CHP	5	3700.015	-36.32	-13	Pass
3701	3710	1	CHP	6	3701.680	-32.48	-13	Pass
3710	3720	1	CHP	7	3710.005	-41.94	-25	Pass
3720	3730	1	CHP	8	3720.010	-56.17	-40	Pass

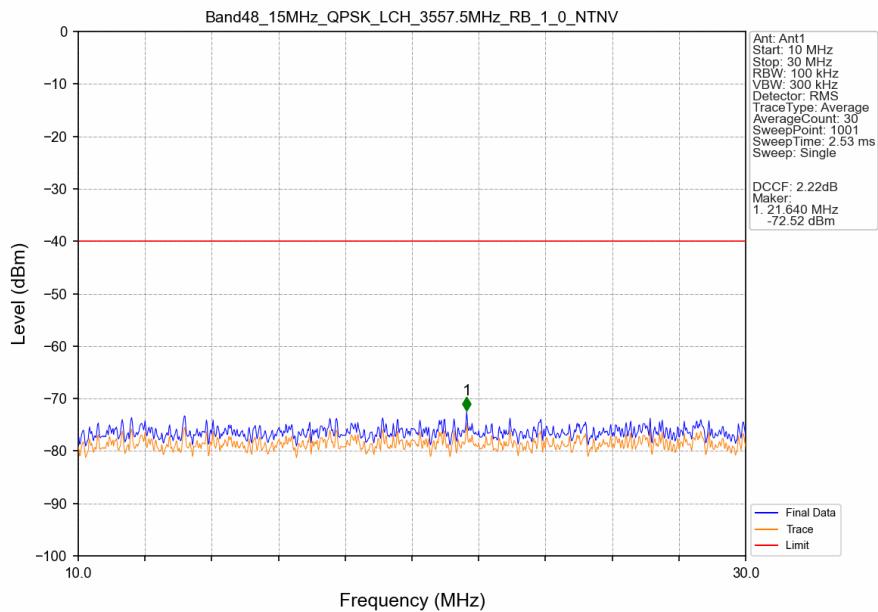
5.2.3 B48_15MHz



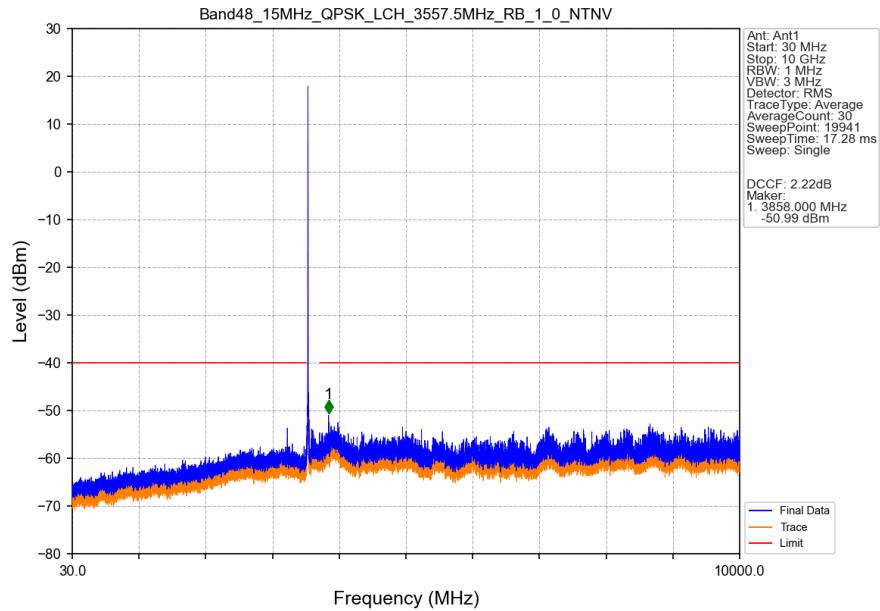
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



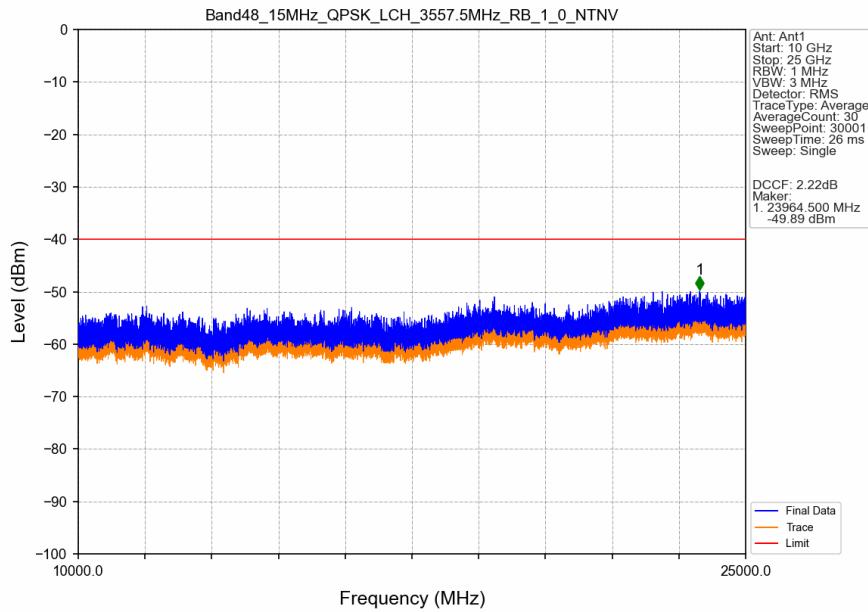
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



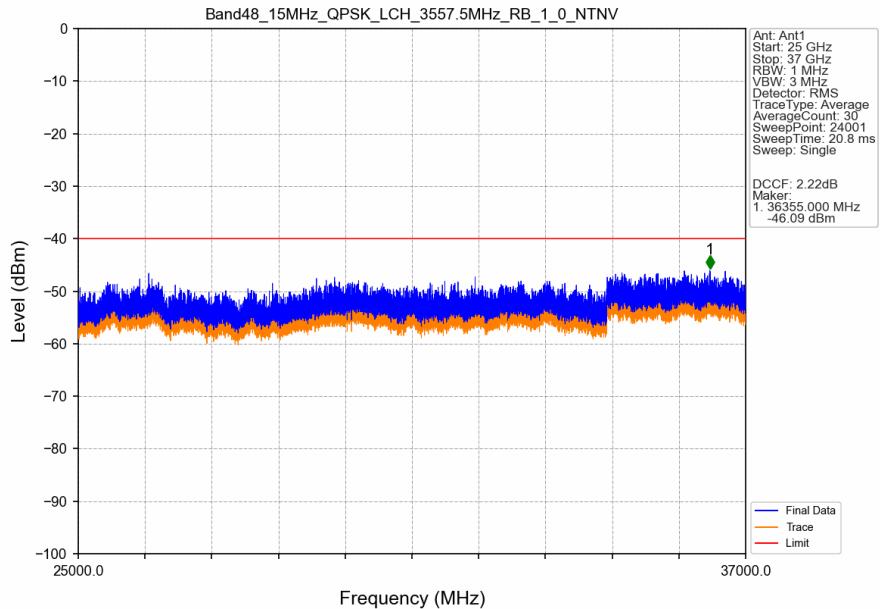
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



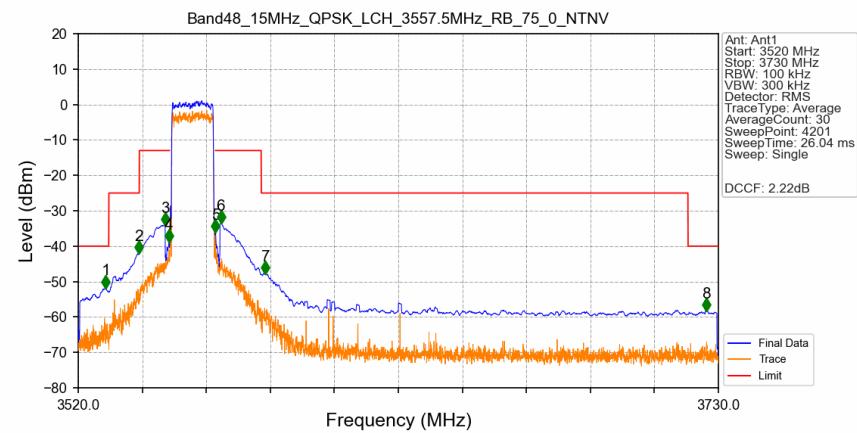
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV

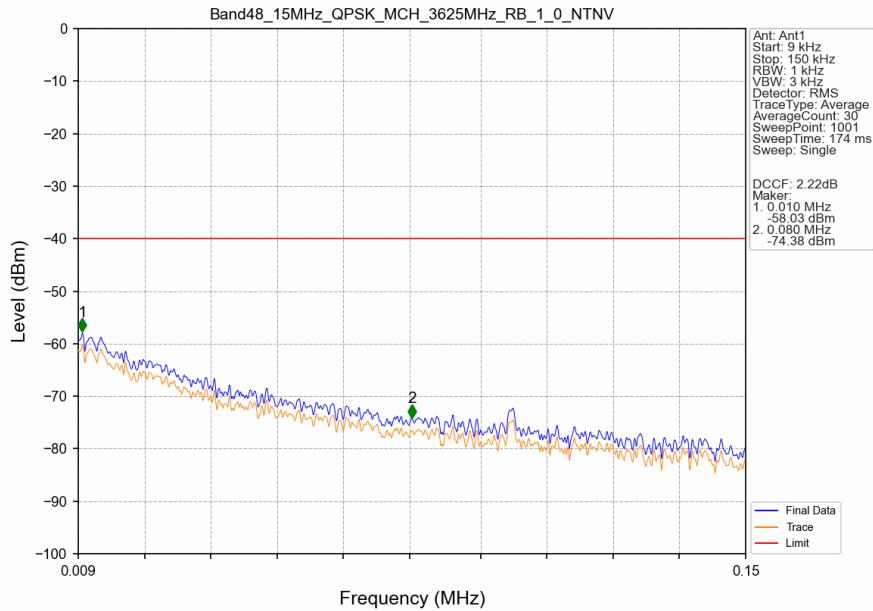


Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV

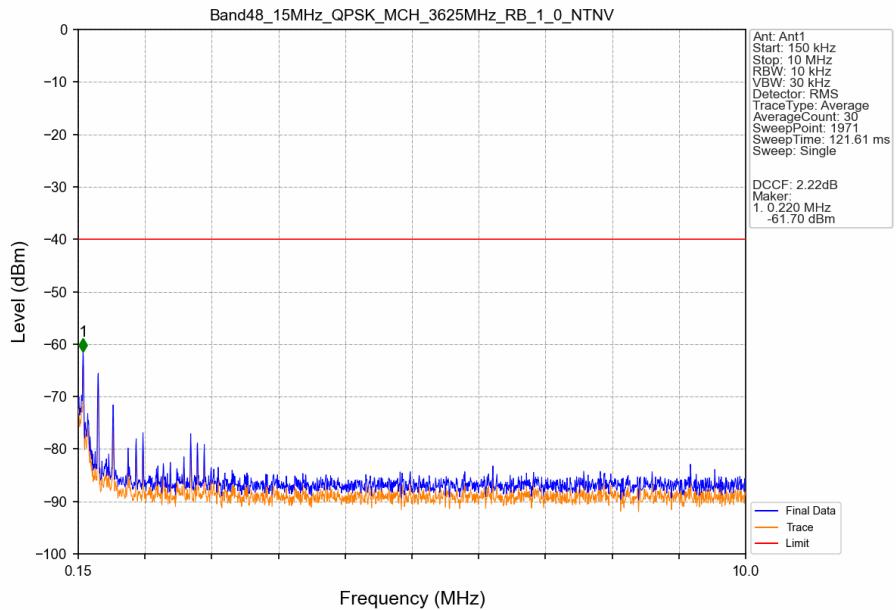


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.050	51.61	-40	Pass
3530	3540	1	CHP	2	3539.950	-41.90	-25	Pass
3540	3549	1	CHP	3	3548.500	-33.95	-13	Pass
3549	3550	0.151	CHP	4	3549.750	-38.70	-13	Pass
3550	3565	0.151	CHP	/	/	/	/	/
3565	3566	0.151	CHP	5	3565.050	-35.87	-13	Pass
3566	3580	1	CHP	6	3566.800	-33.39	-13	Pass
3580	3720	1	CHP	7	3581.400	-47.65	-25	Pass
3720	3730	1	CHP	8	3726.000	-58.17	-40	Pass

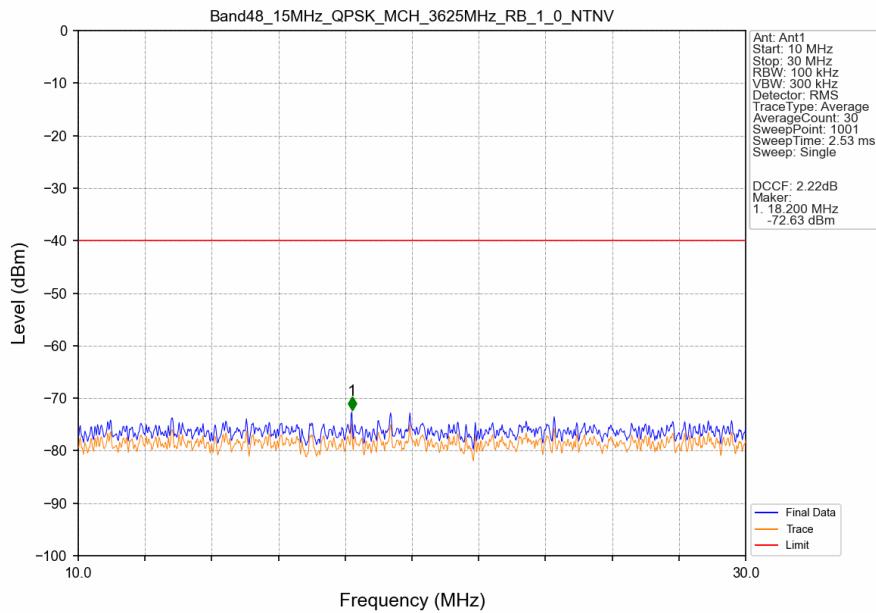
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



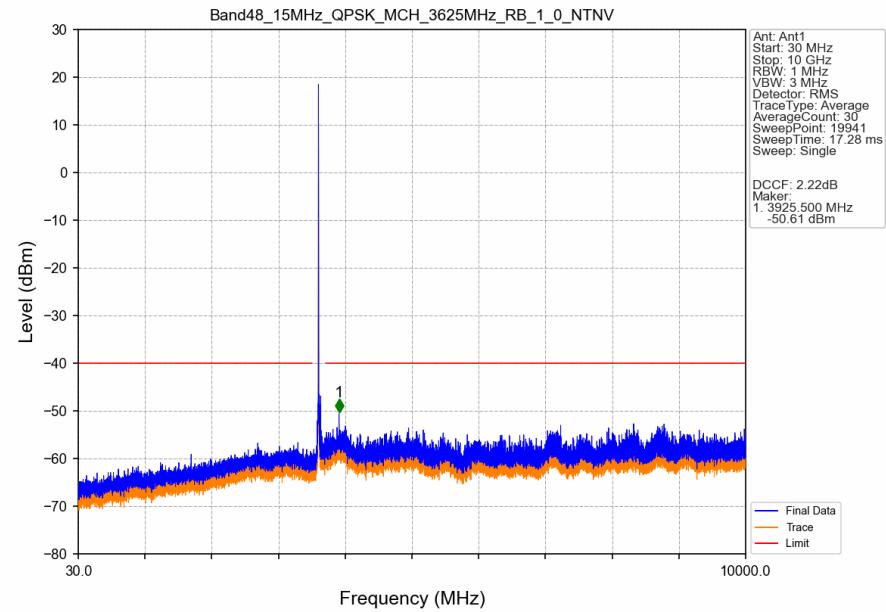
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



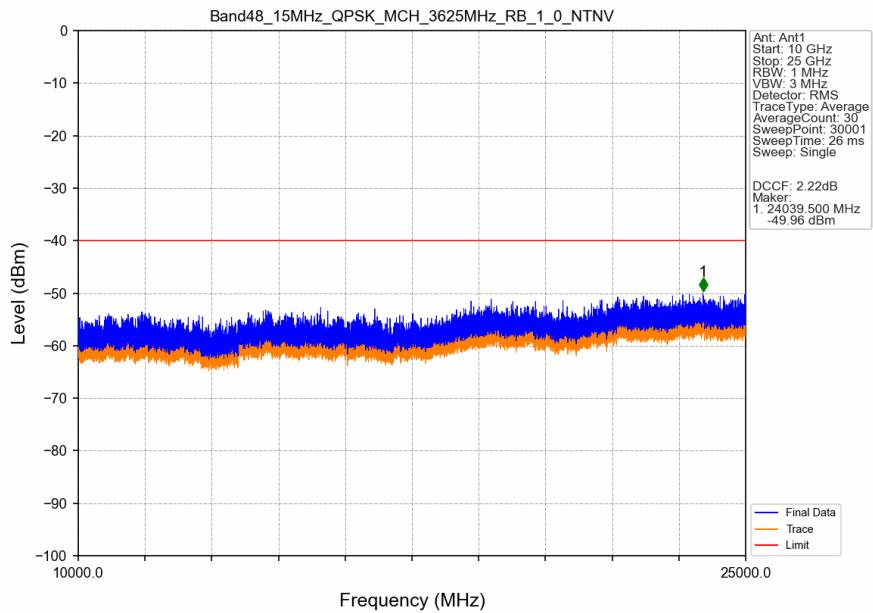
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



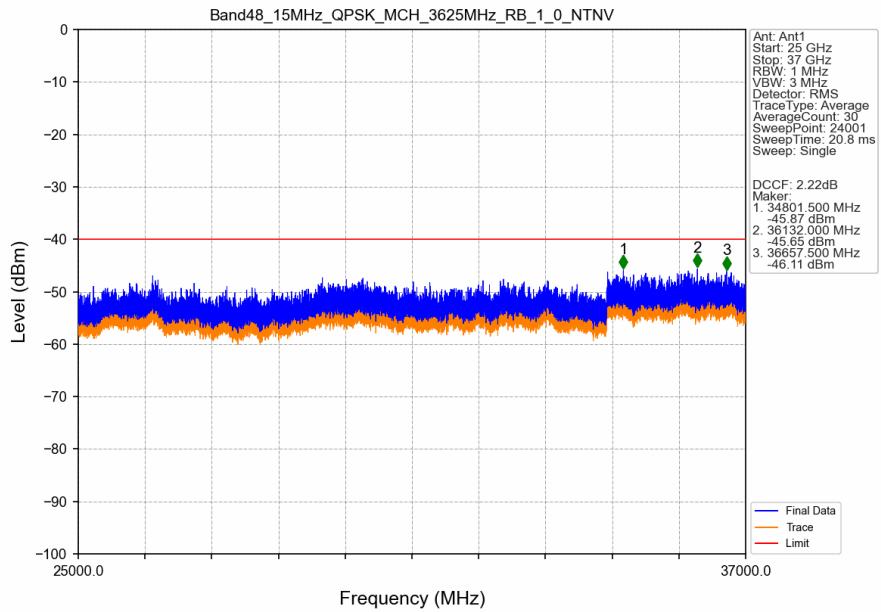
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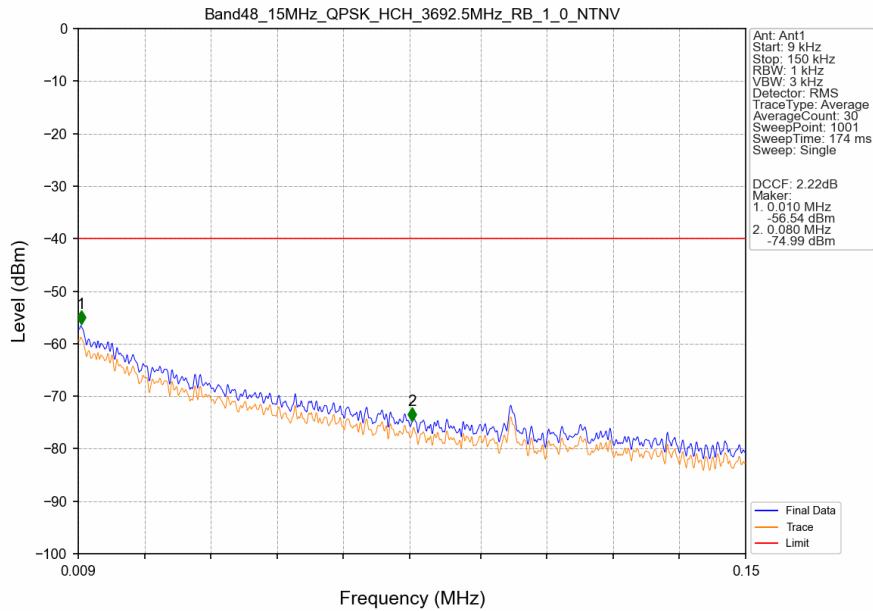
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



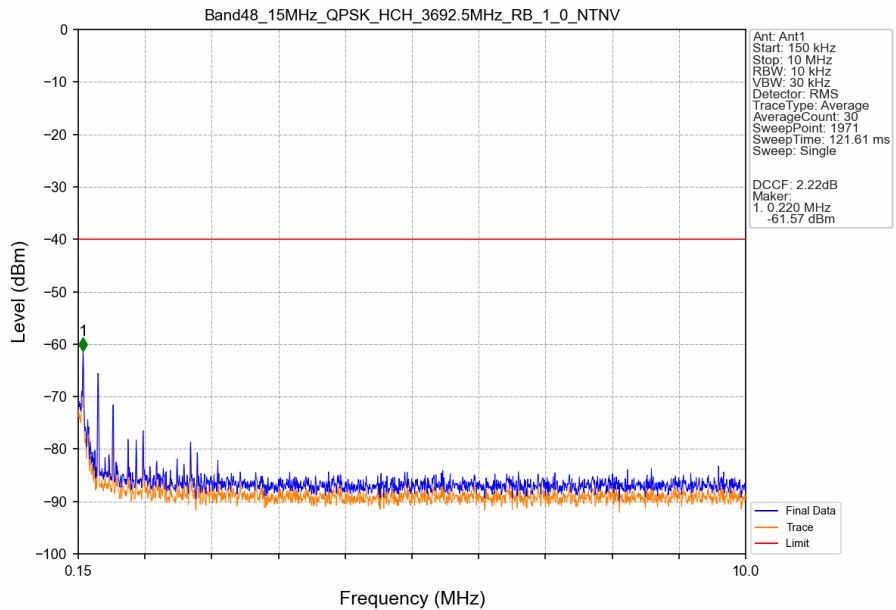
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



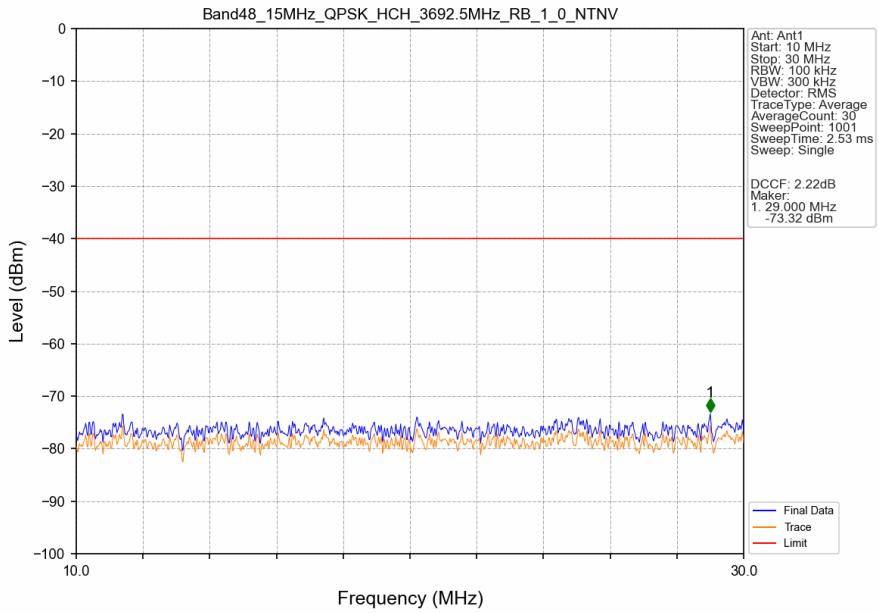
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



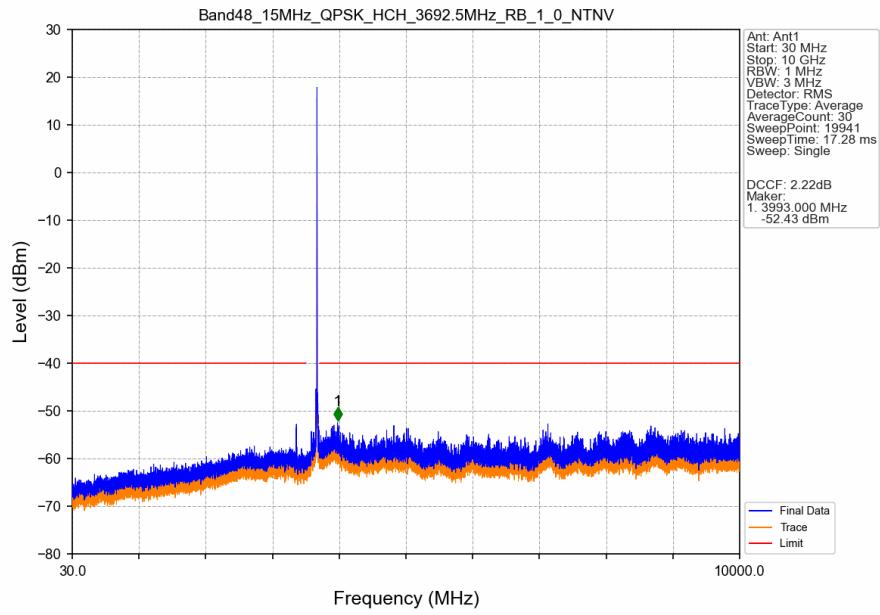
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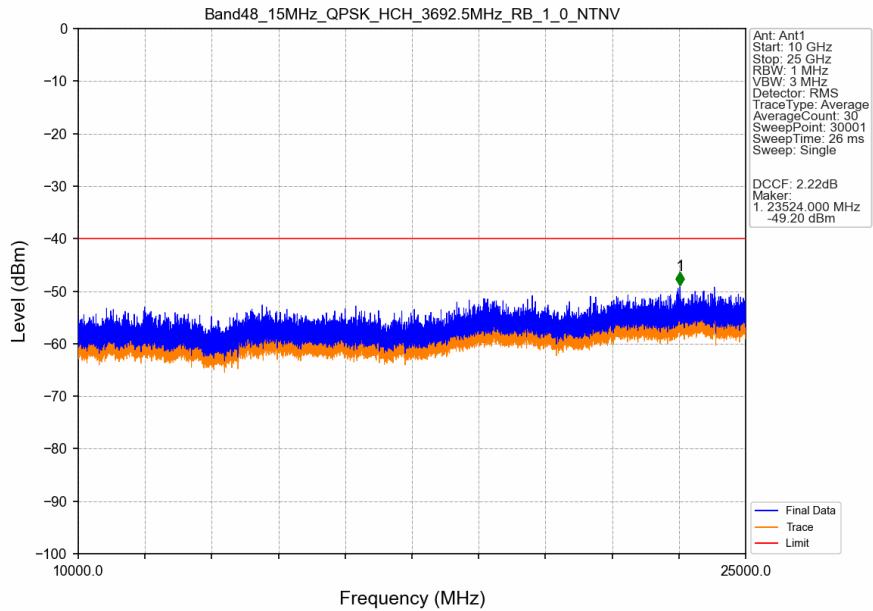
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



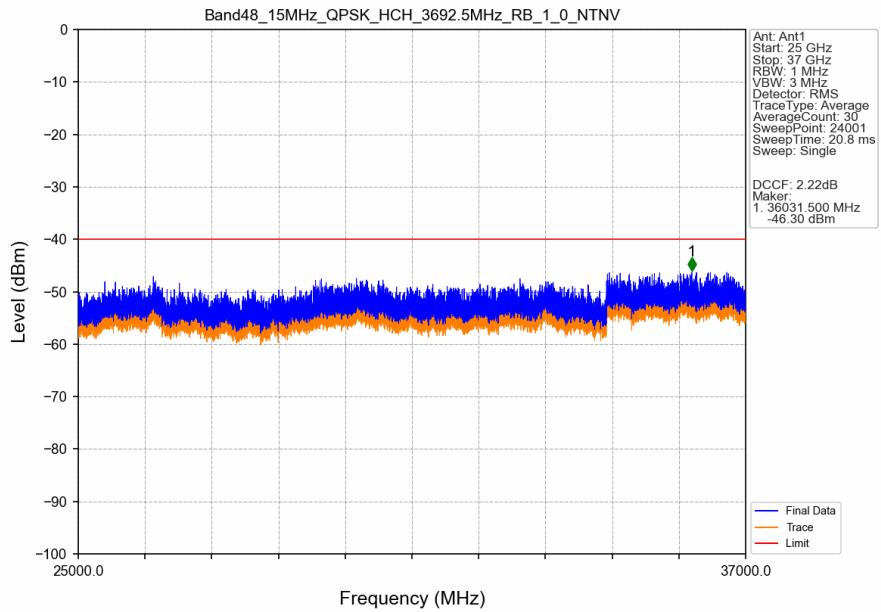
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



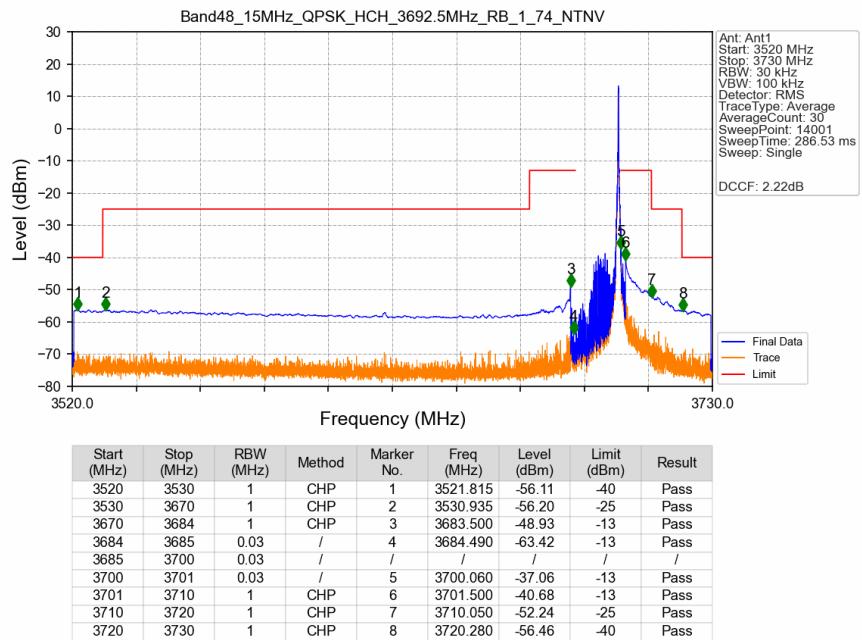
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



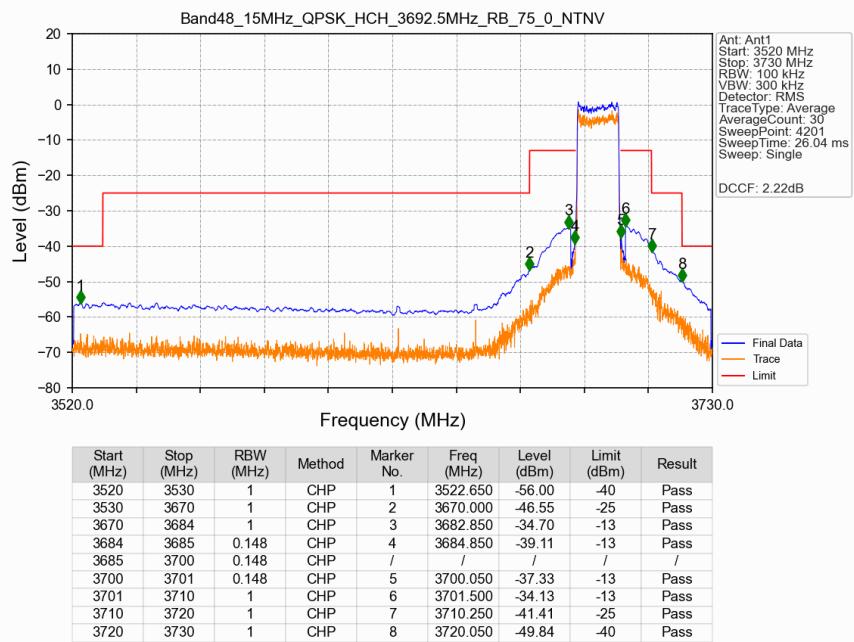
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



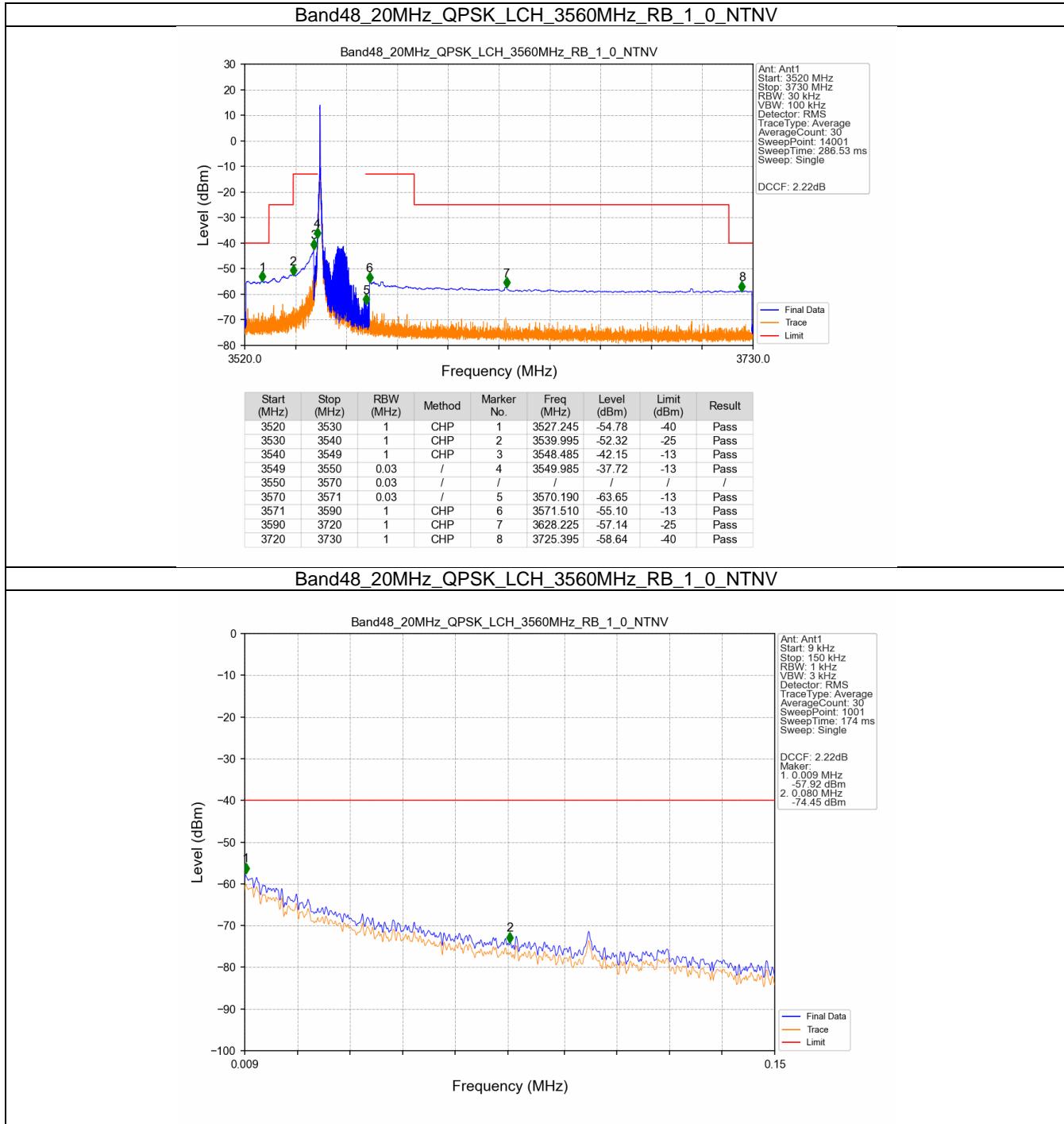
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_74_NTNV

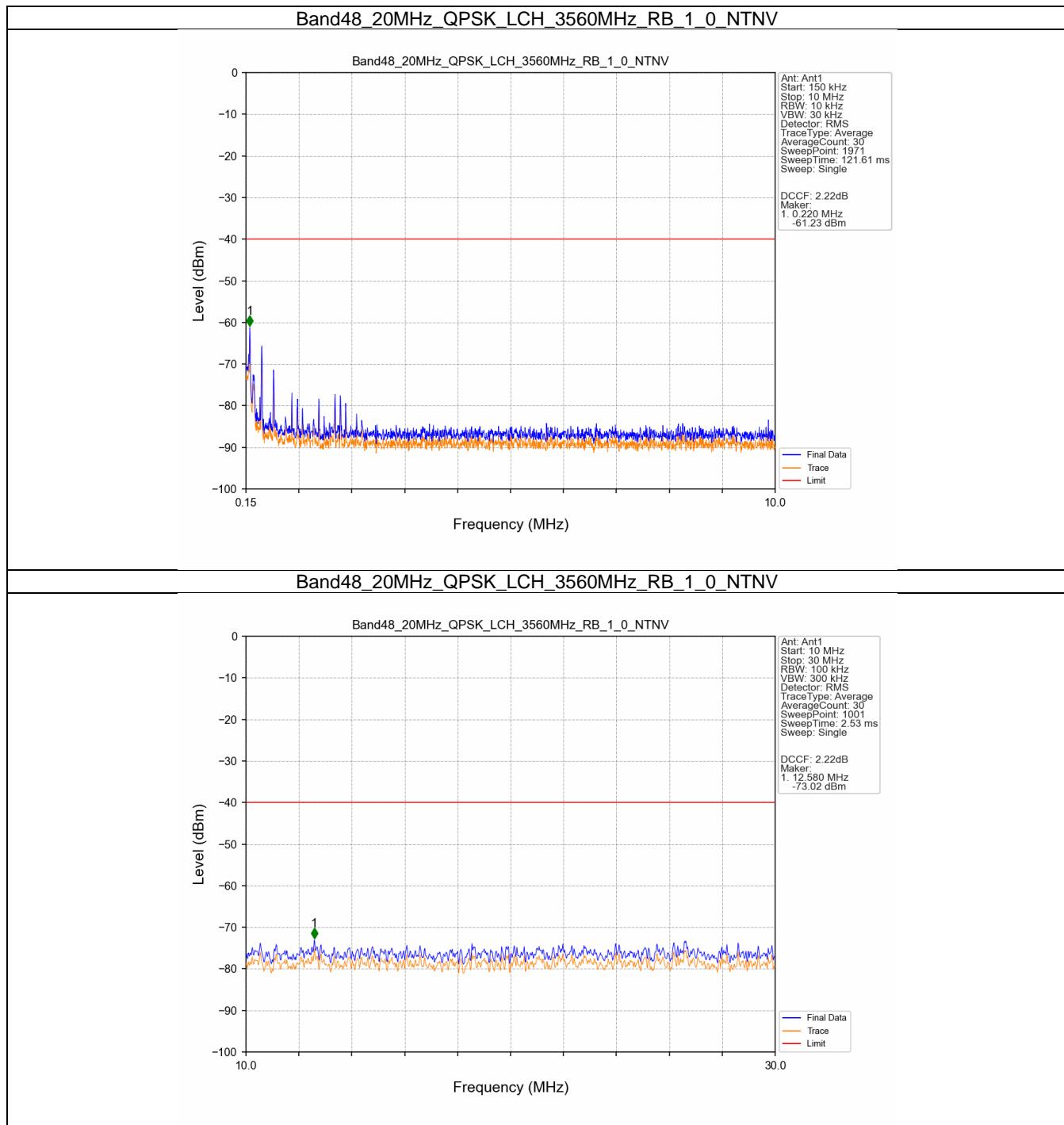


Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV

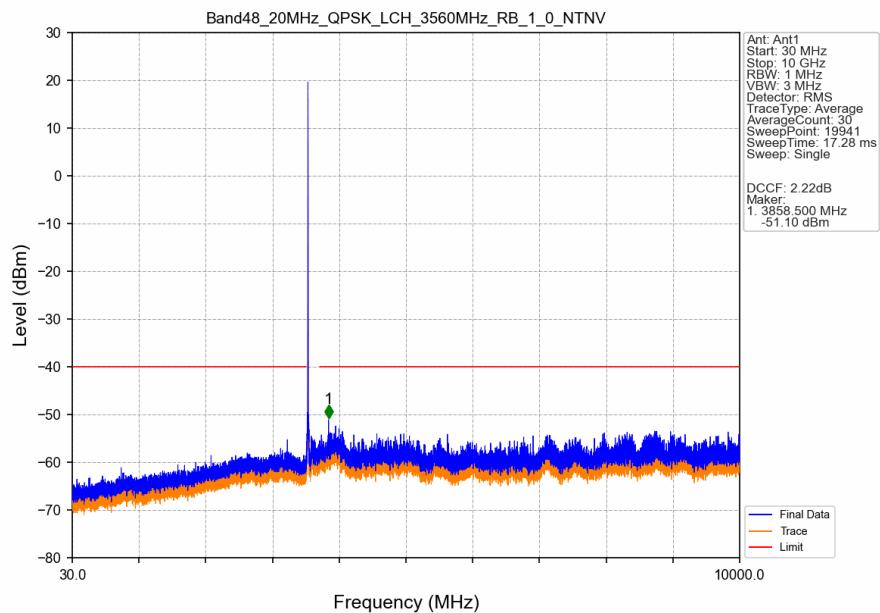


5.2.4 B48_20MHz

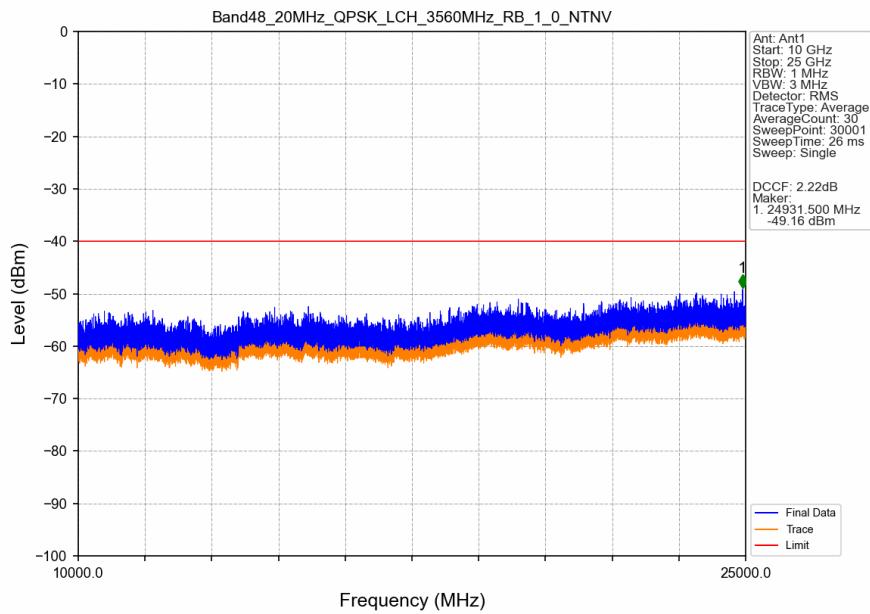




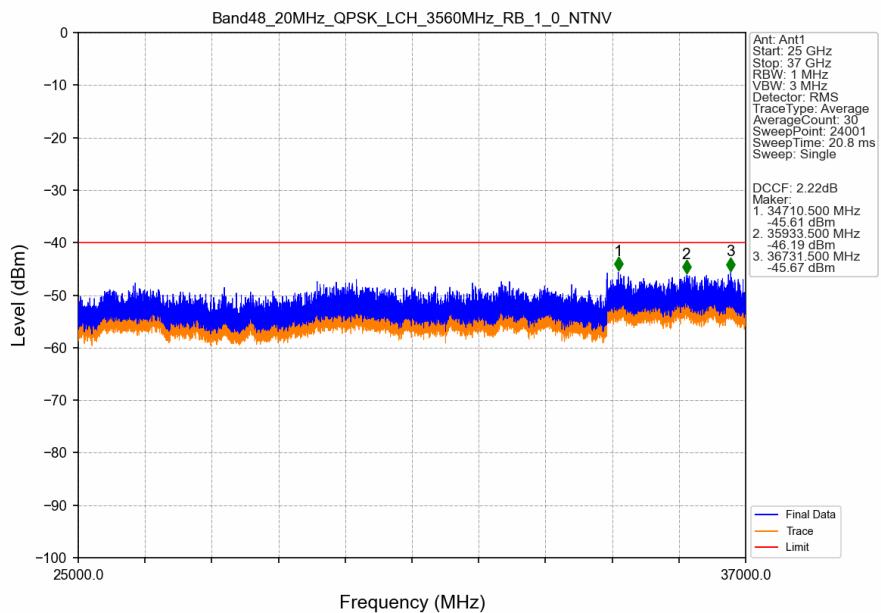
Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



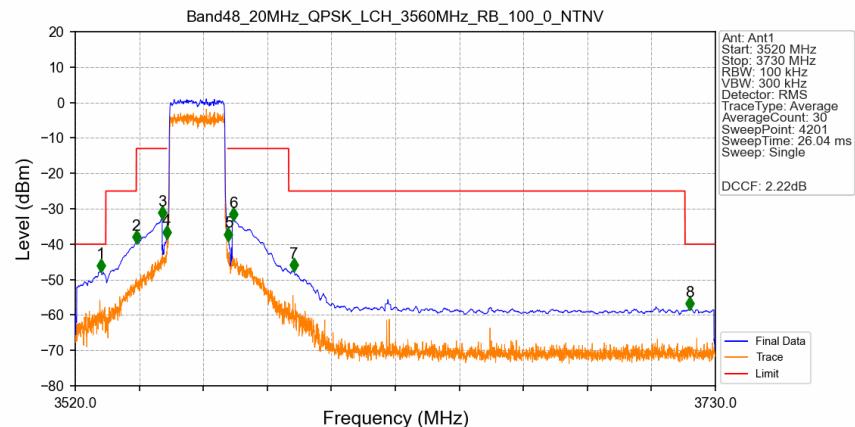
Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



Band48_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV

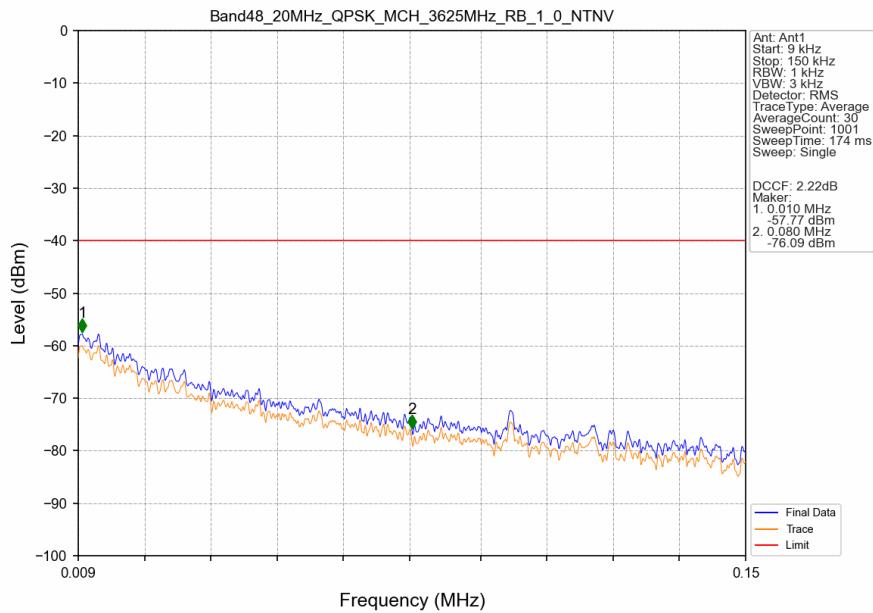


Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV

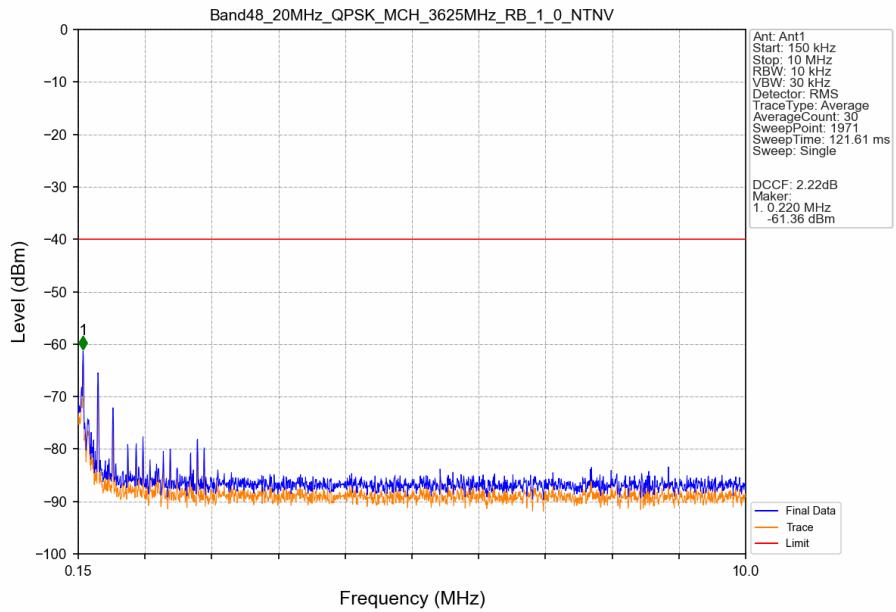


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3528.350	-47.50	-40	Pass
3530	3540	1	CHP	2	3540.000	-39.45	-25	Pass
3540	3549	1	CHP	3	3548.500	-32.74	-13	Pass
3549	3550	0.203	CHP	4	3549.950	-38.11	-13	Pass
3550	3570	0.203	CHP	/	/	/	/	/
3570	3571	0.203	CHP	5	3570.250	-38.79	-13	Pass
3571	3590	1	CHP	6	3571.800	-33.16	-13	Pass
3590	3720	1	CHP	7	3591.700	-47.45	-25	Pass
3720	3730	1	CHP	8	3721.650	-58.32	-40	Pass

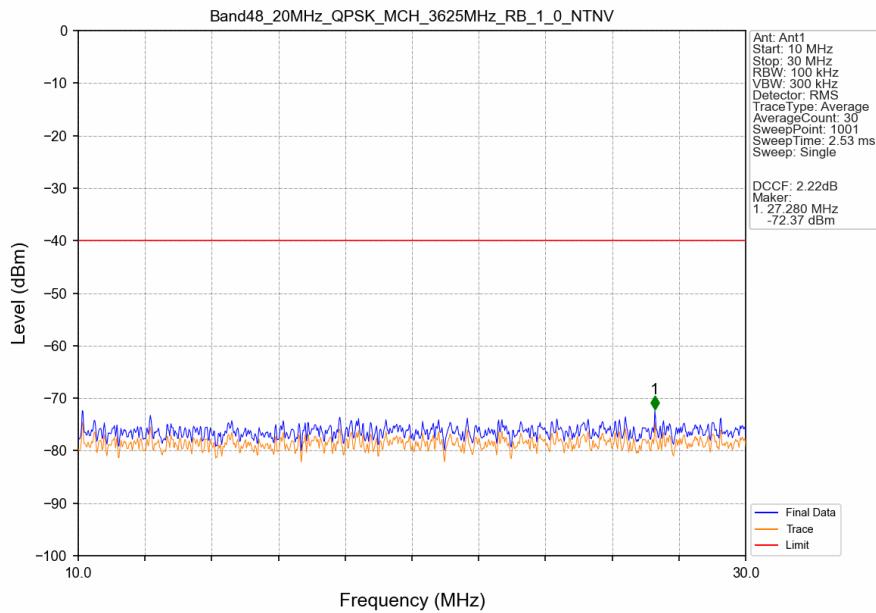
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



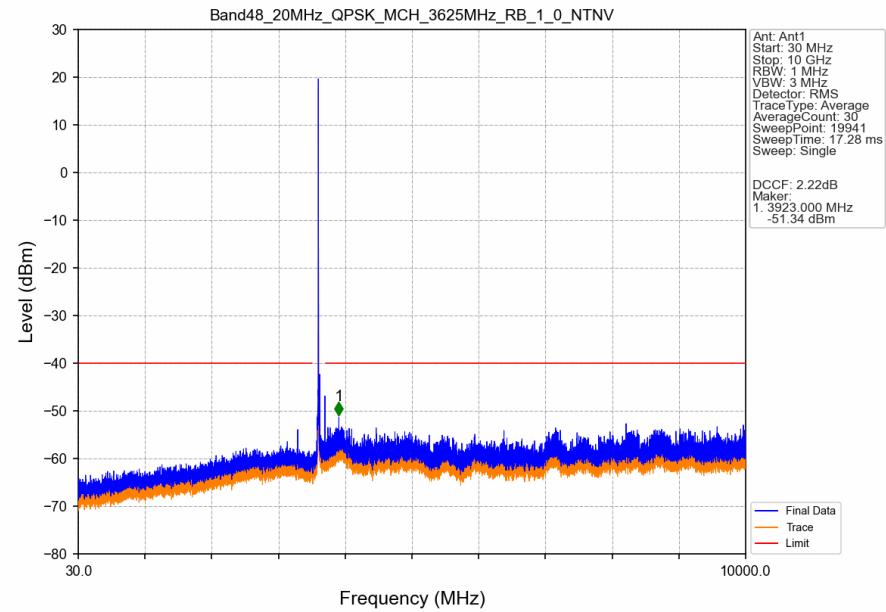
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



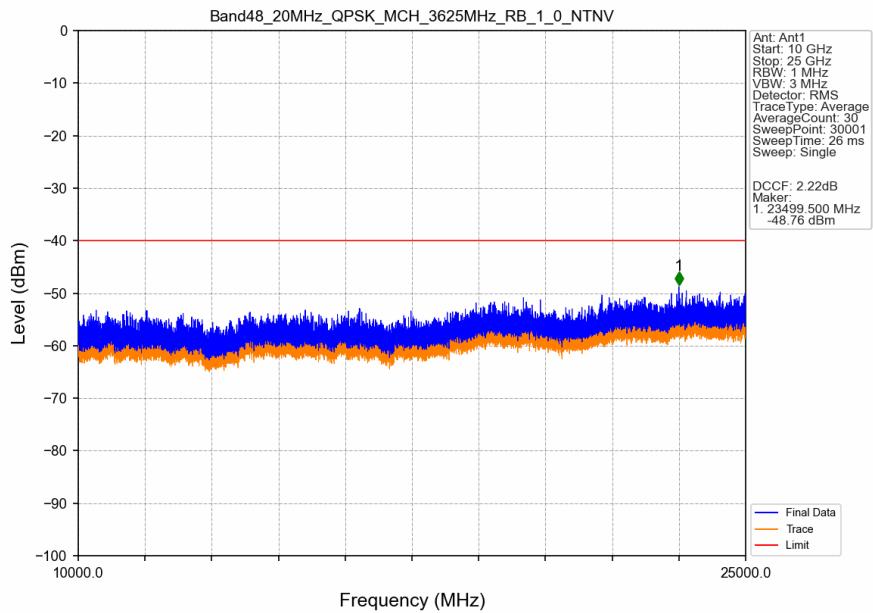
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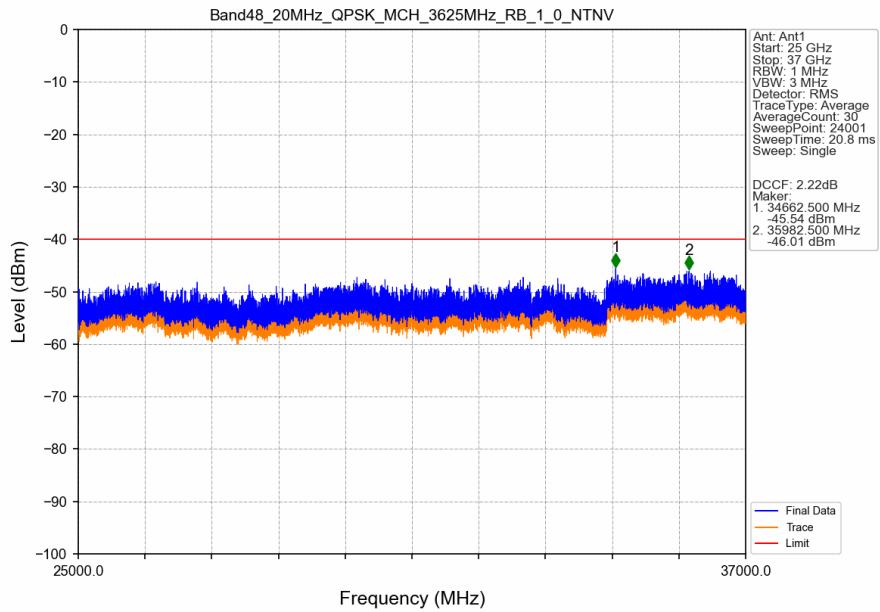
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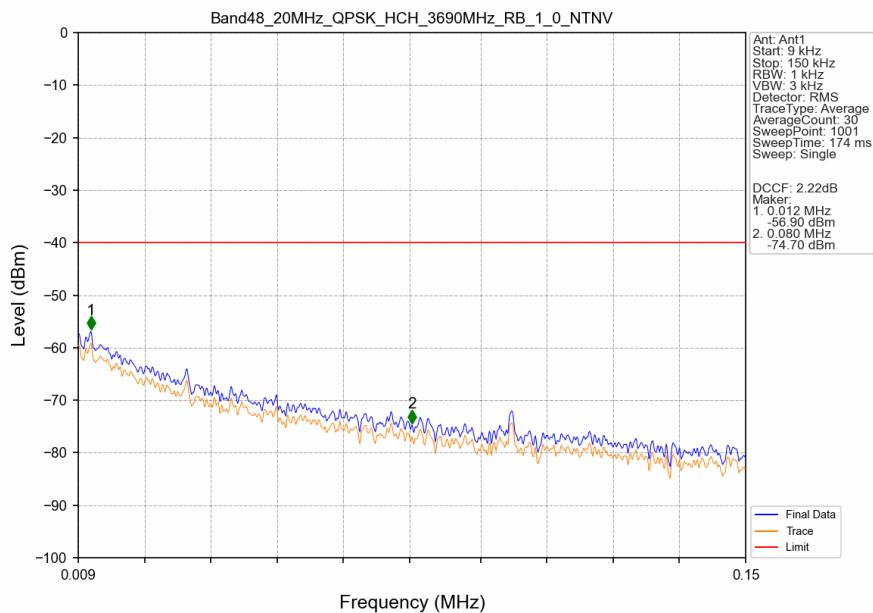
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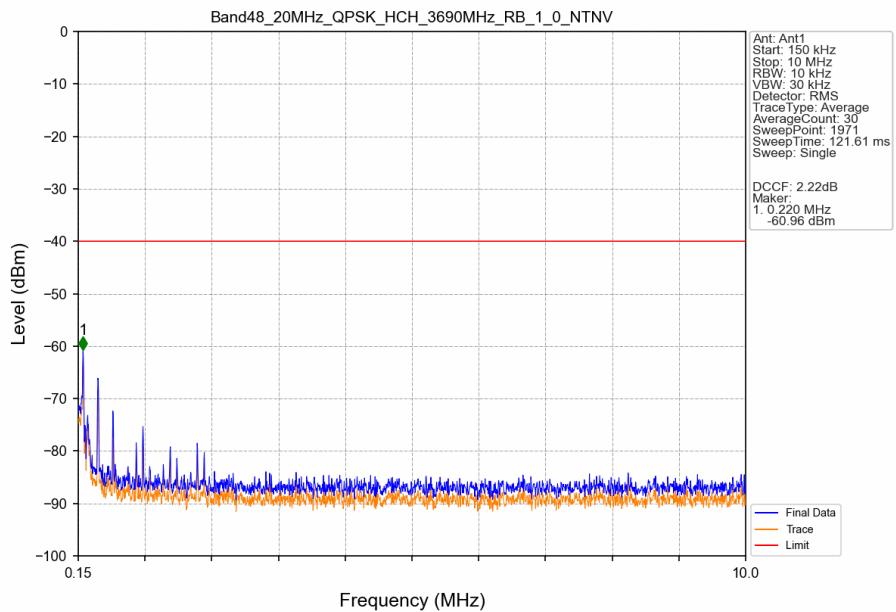
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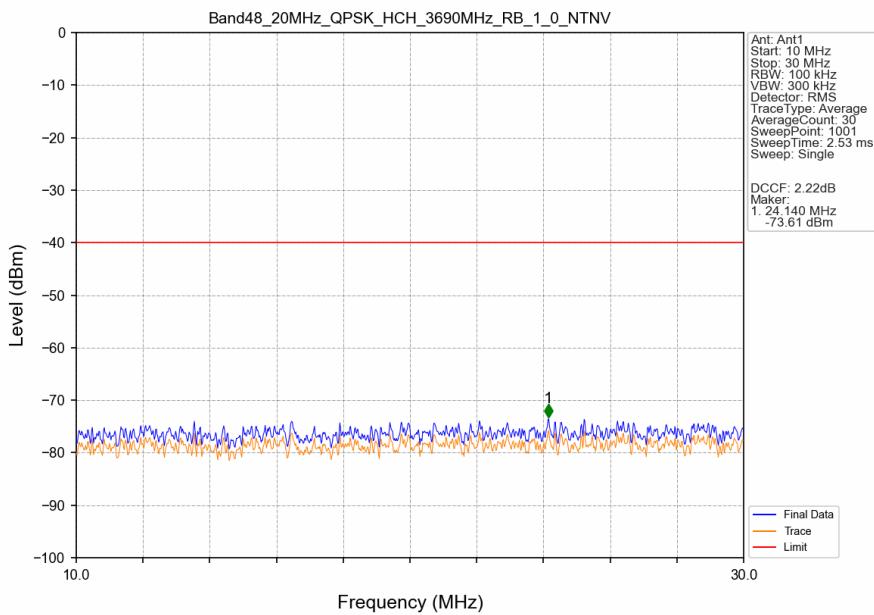
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_0_NTNV



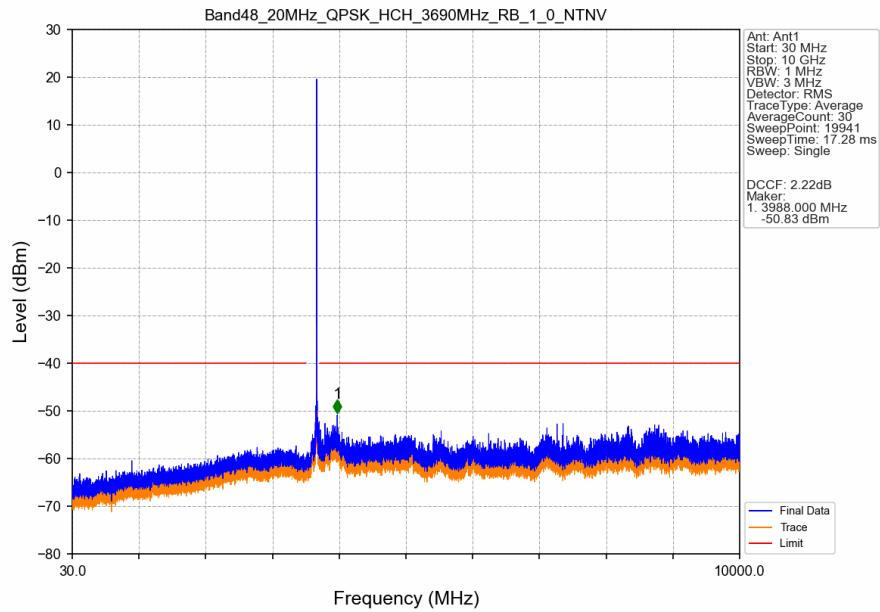
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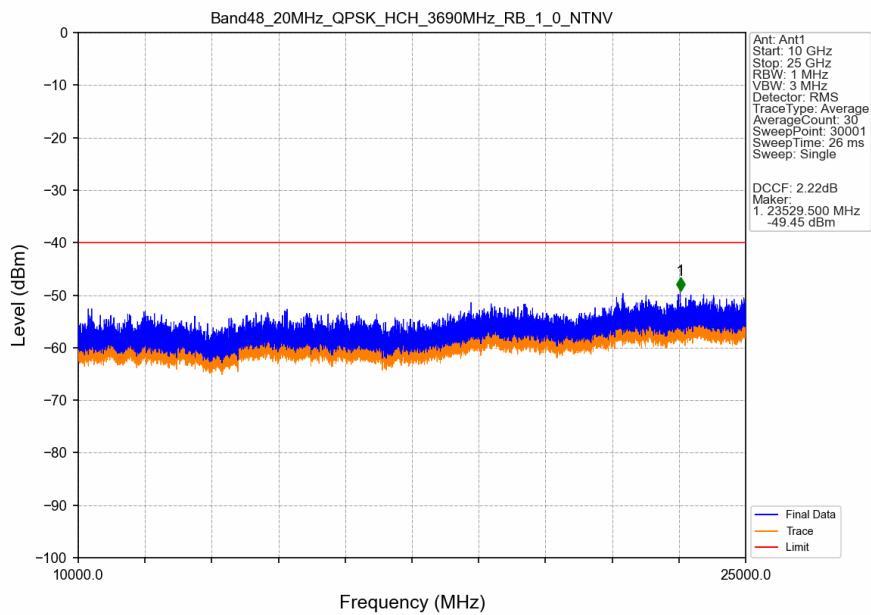
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_0_NTNV



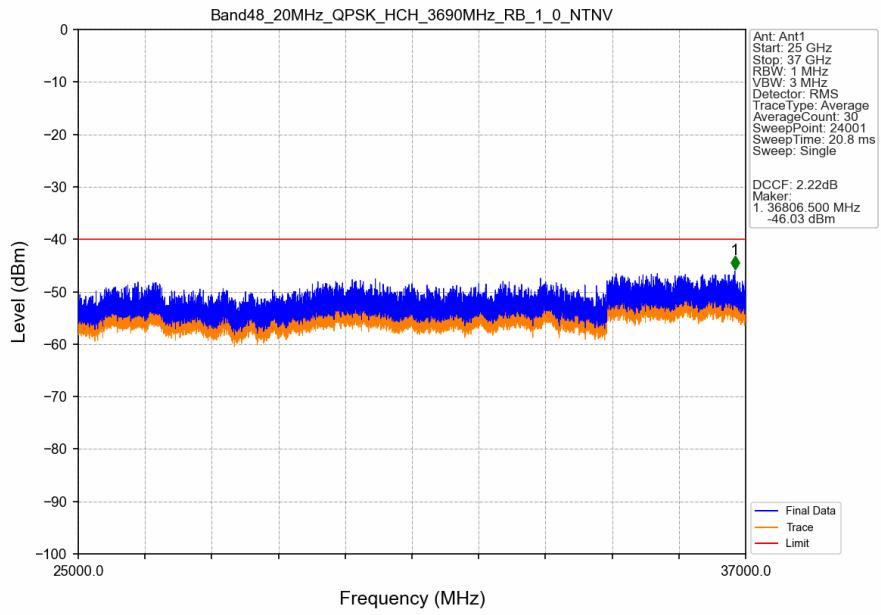
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_0_NTNV



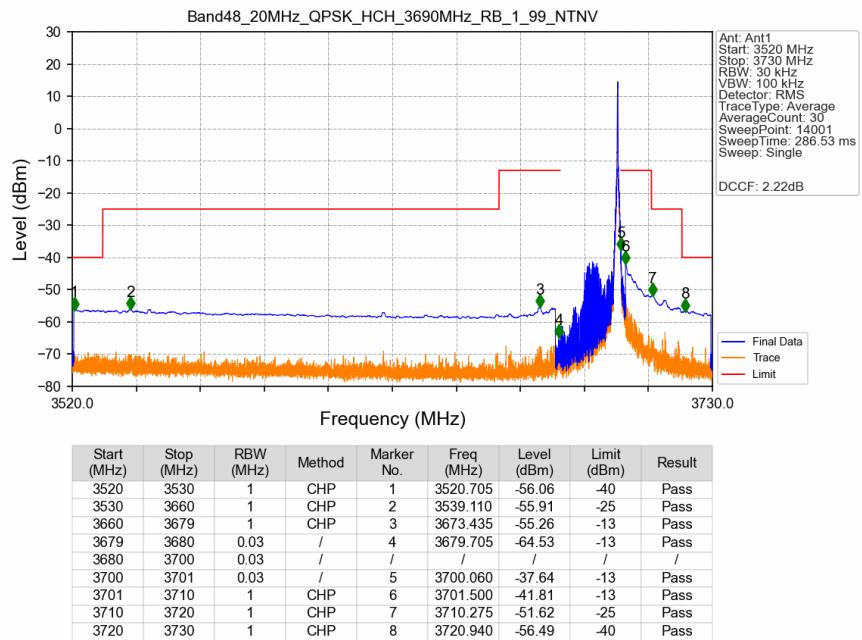
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_0_NTNV



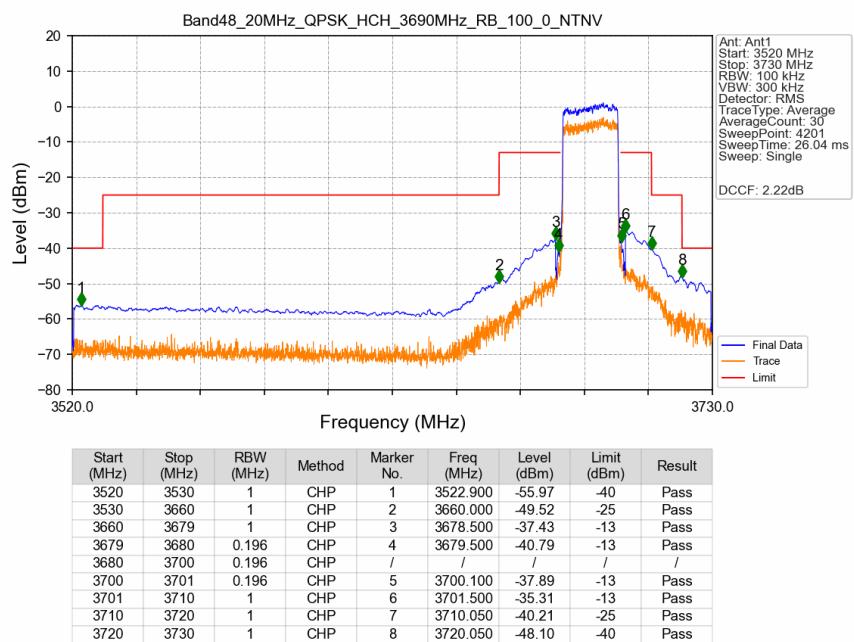
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_0_NTNV



Band48_20MHz_QPSK_HCH_3690MHz_RB_1_99_NTNV



Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



6. Adjacent Channel Leakage Ratio

6.1 Test Result

6.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B48_10MHz

Band: 48 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3555	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.3 B48_15MHz

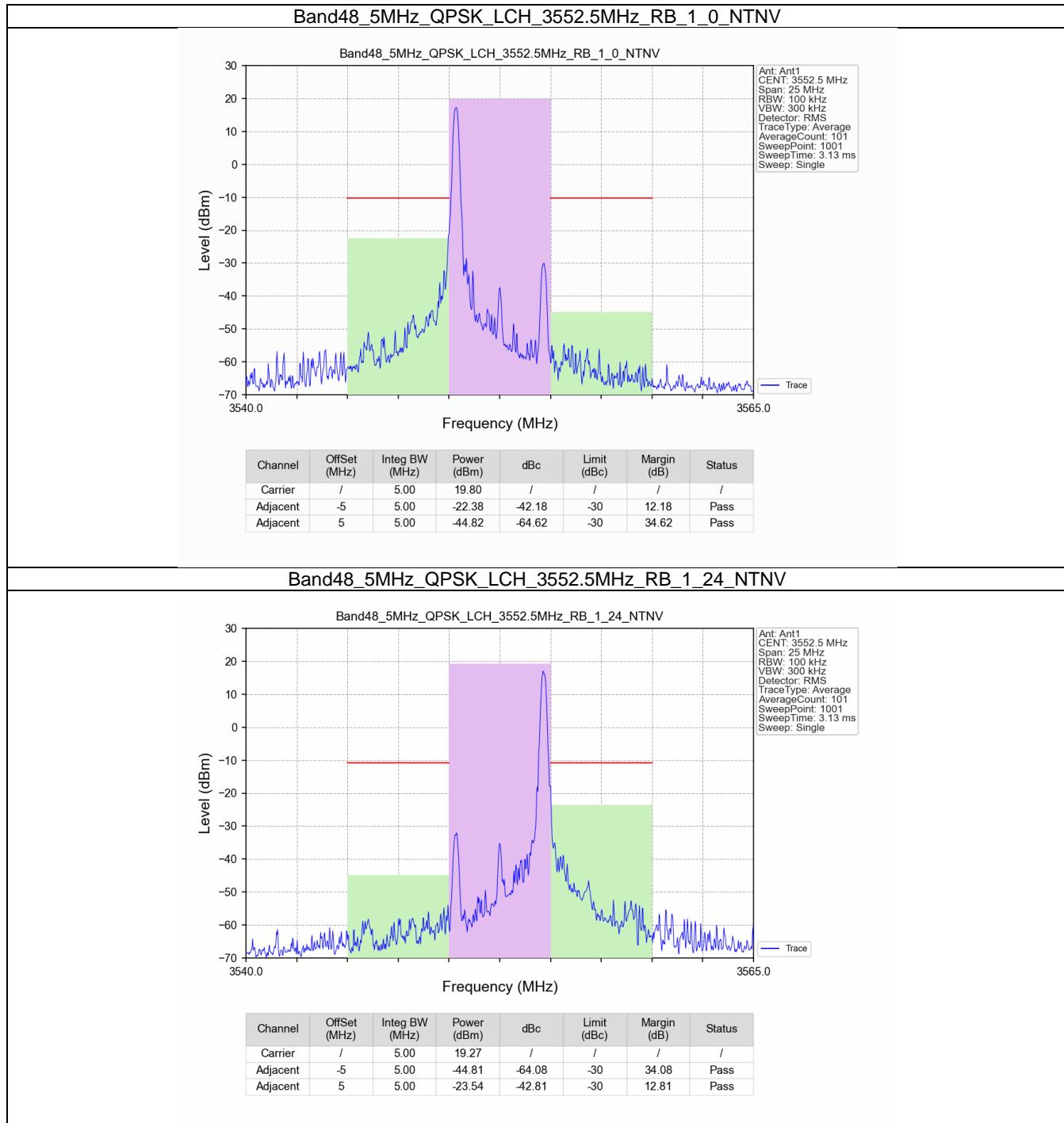
Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	3557.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

6.1.4 B48_20MHz

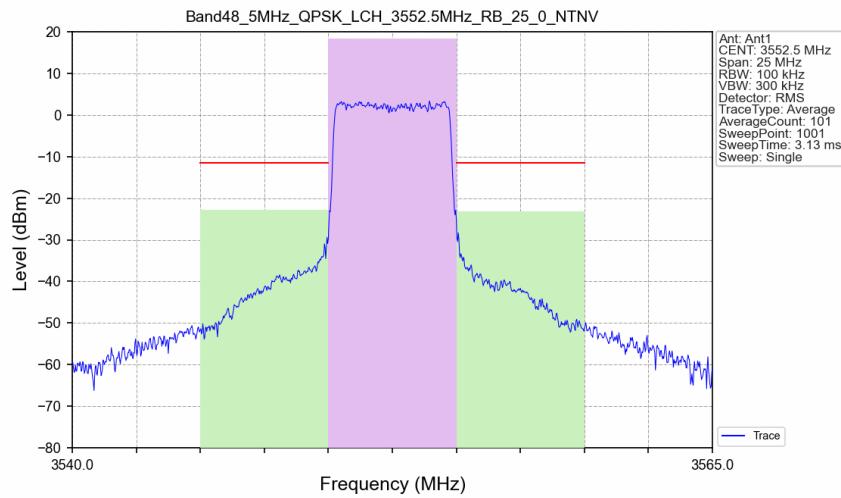
Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	3560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

6.2 Test Graph

6.2.1 B48_5MHz

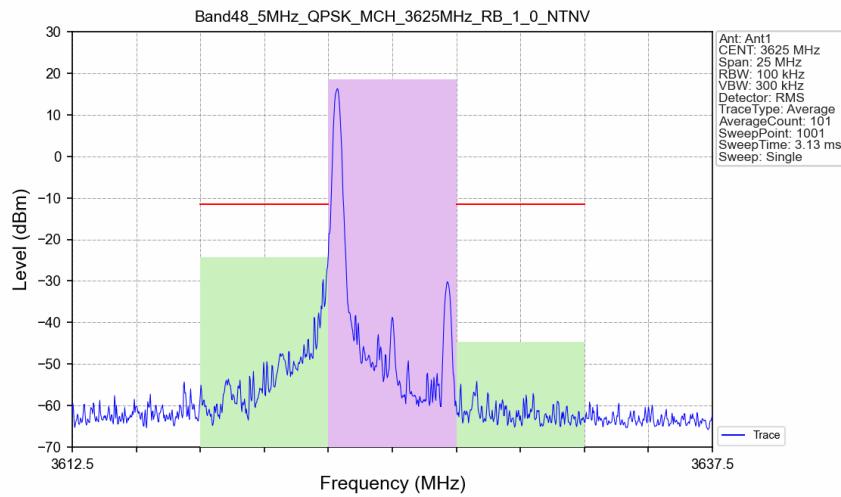


Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.41	/	/	/	/
Adjacent	-5	5.00	-22.73	-41.14	-30	11.14	Pass
Adjacent	5	5.00	-23.20	-41.61	-30	11.61	Pass

Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.54	/	/	/	/
Adjacent	-5	5.00	-24.36	-42.90	-30	12.90	Pass
Adjacent	5	5.00	-44.67	-63.21	-30	33.21	Pass