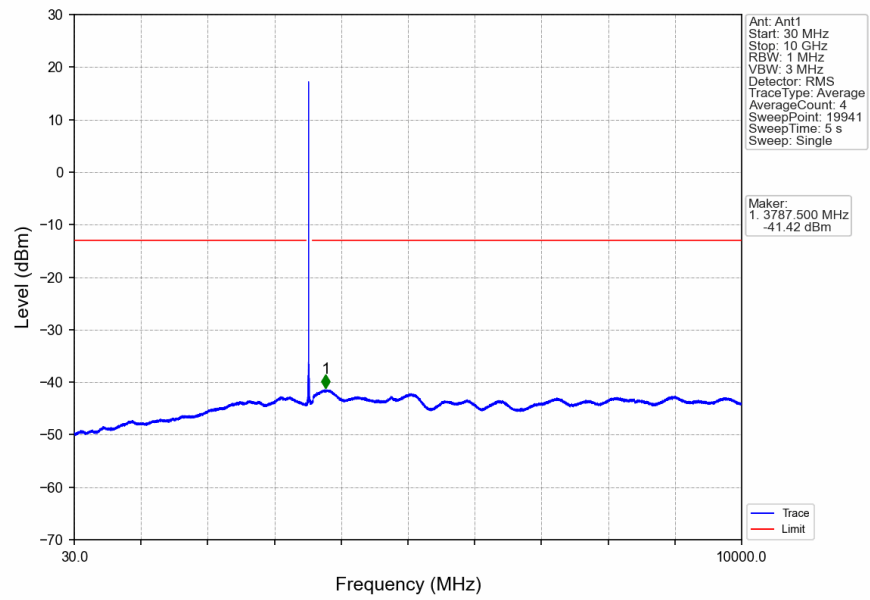
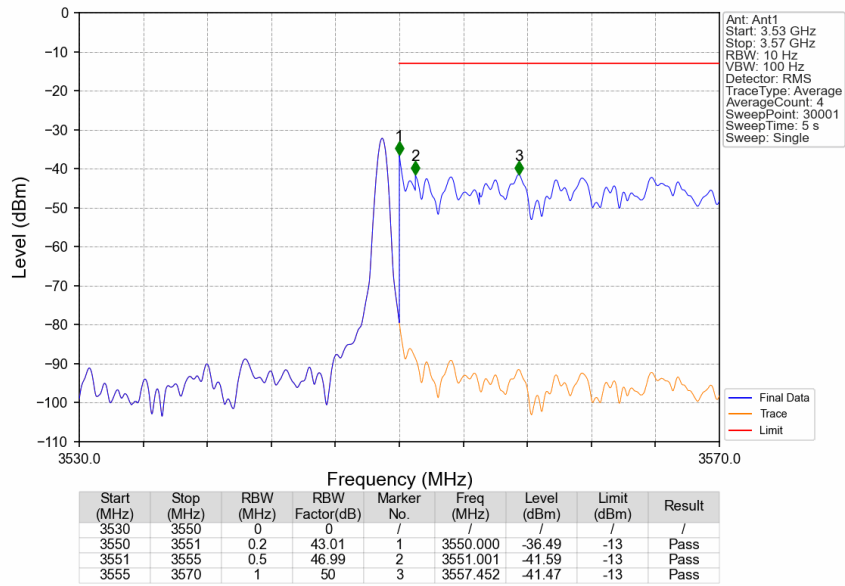


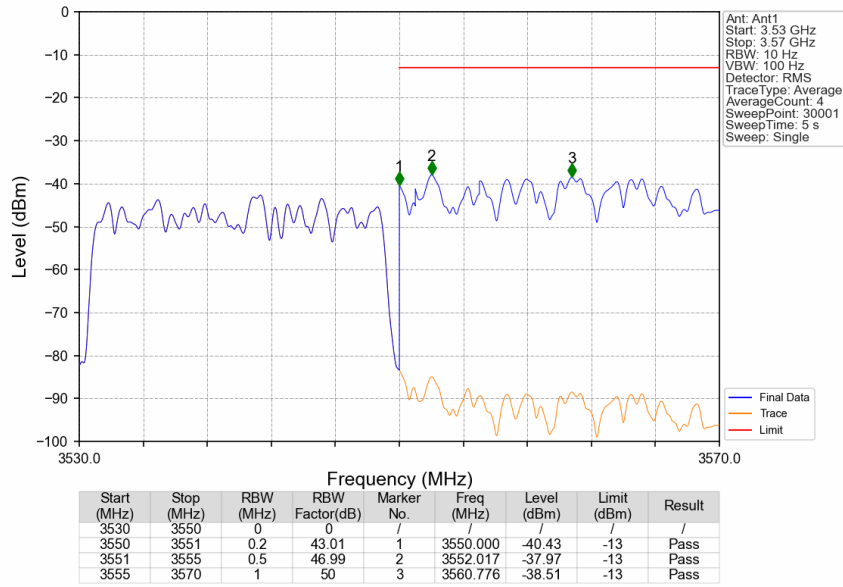
Band42a 20MHz QPSK HCH 3540MHz RB 1 0 NTN



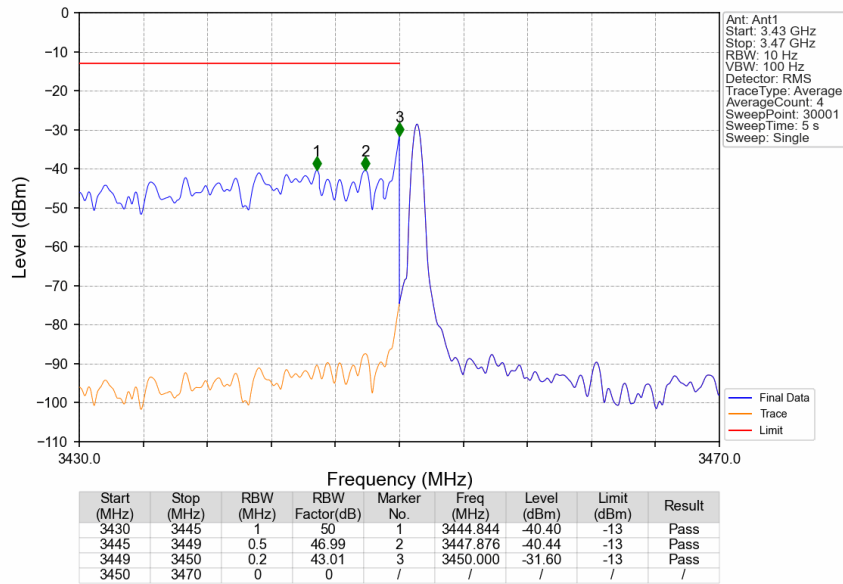
Band42a 20MHz QPSK HCH 3540MHz RB 1 99 NTN



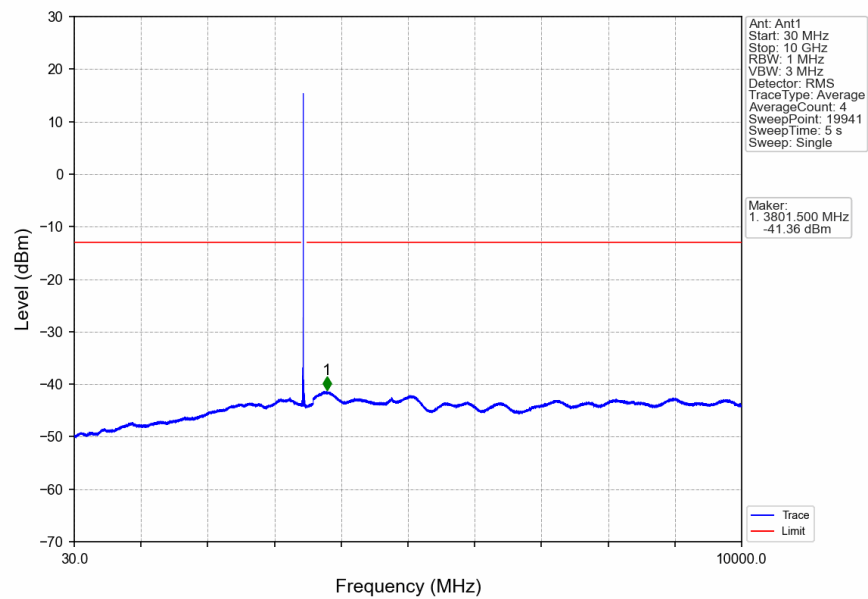
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



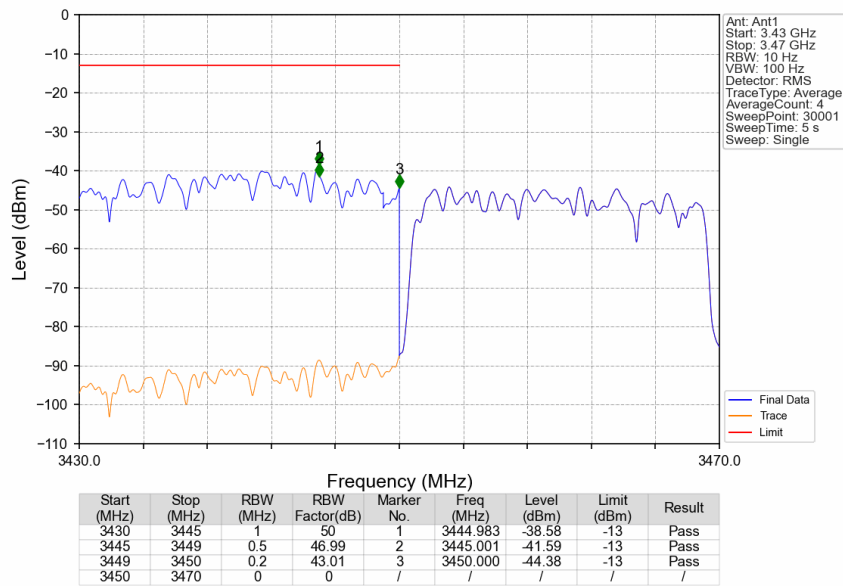
Band42a_20MHz_16QAM_LCH_3460MHz_RB_1_0_NTNV



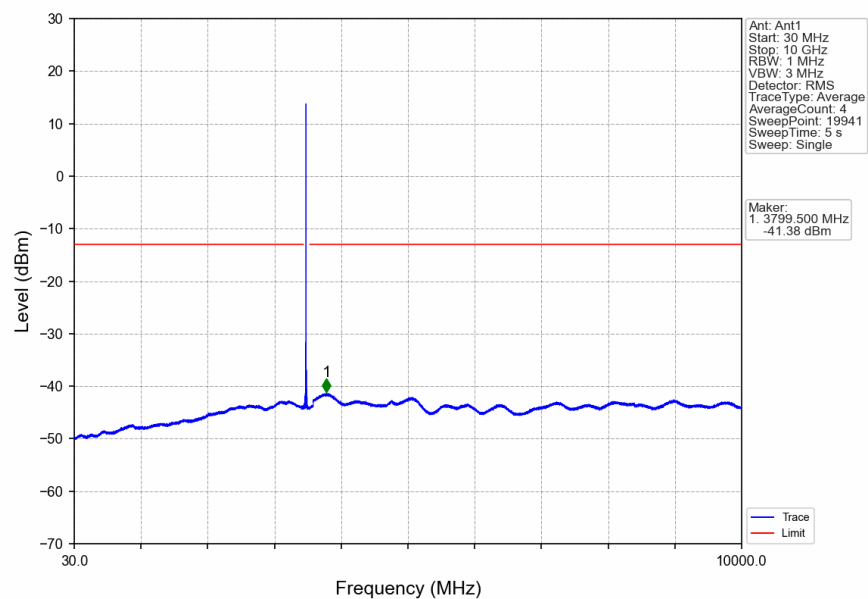
Band42a 20MHz 16QAM LCH 3460MHz RB 1 0 NTNV



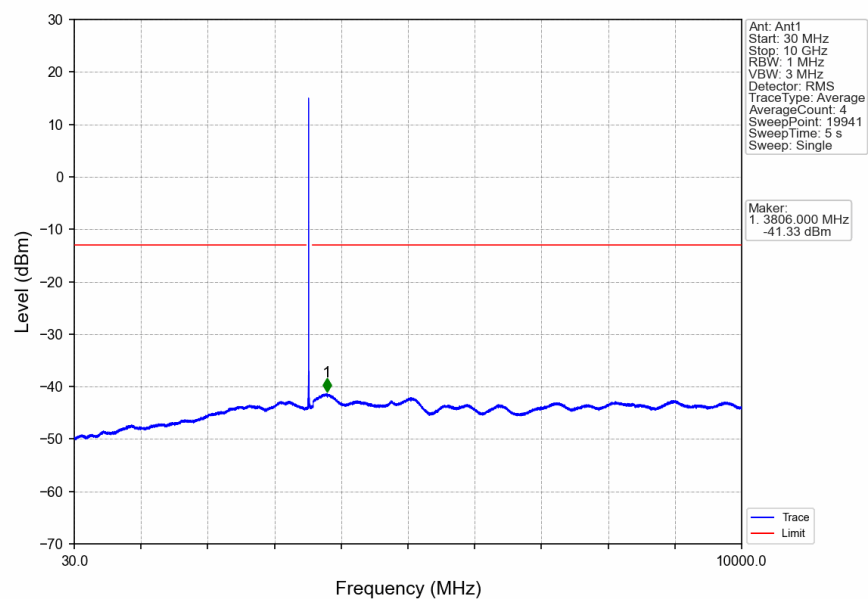
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



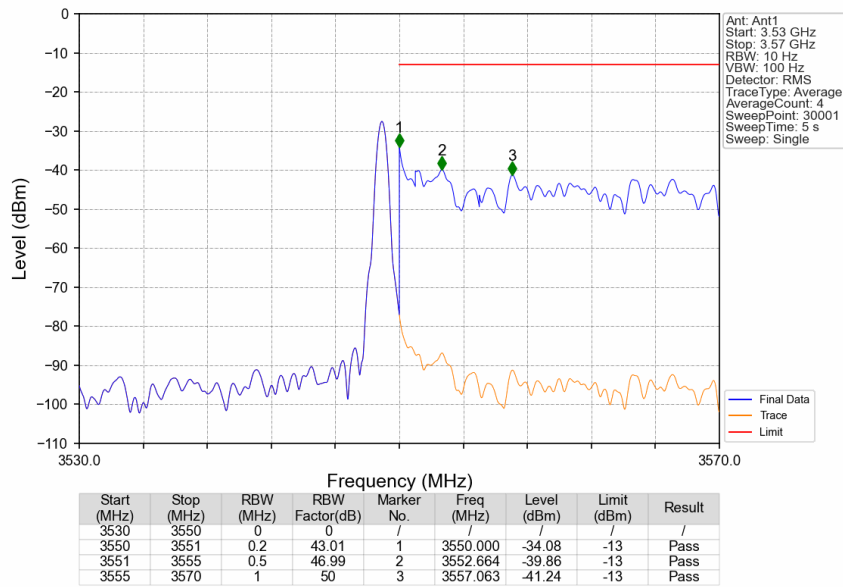
Band42a_20MHz_16QAM_MCH_3500MHz_RB_1_0_NTNV



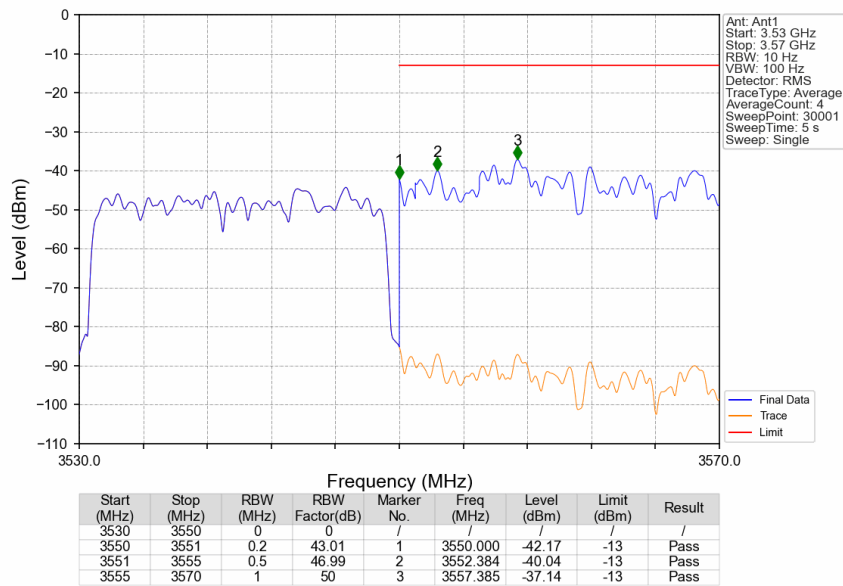
Band42a_20MHz_16QAM_HCH_3540MHz_RB_1_0_NTNV



Band42a_20MHz_16QAM_HCH_3540MHz_RB_1_99_NTNV



Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



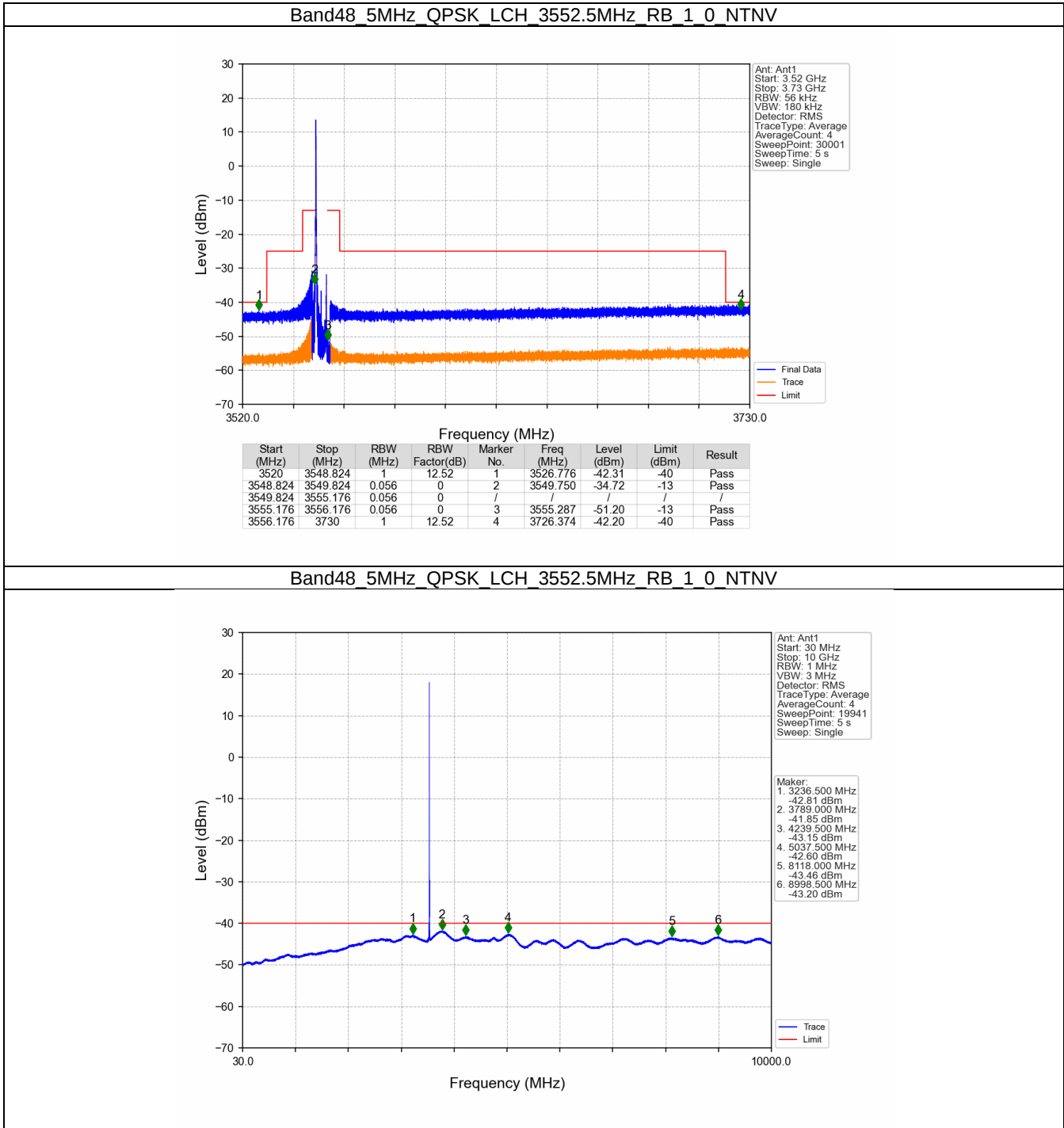
15. Spurious Emission

15.1 B48_5MHz

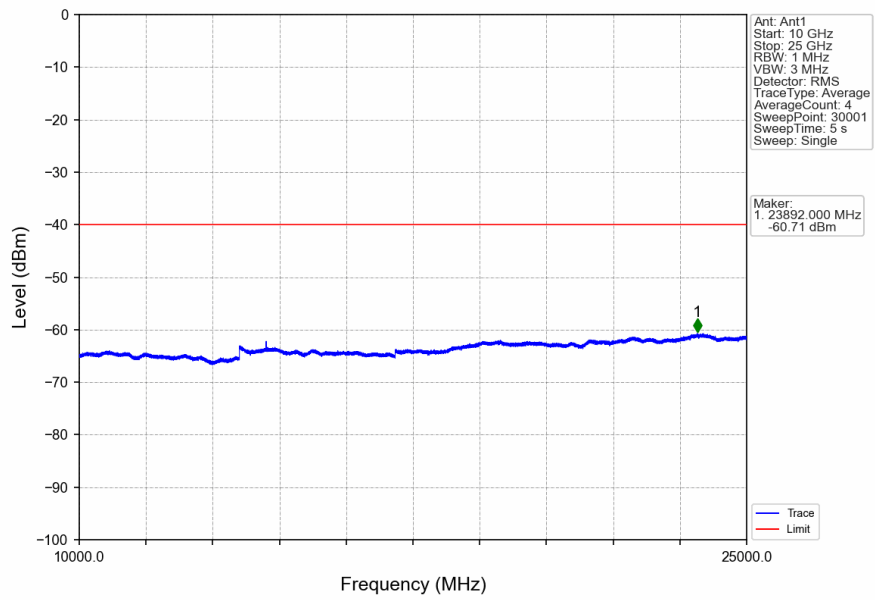
15.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	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
16QAM	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	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

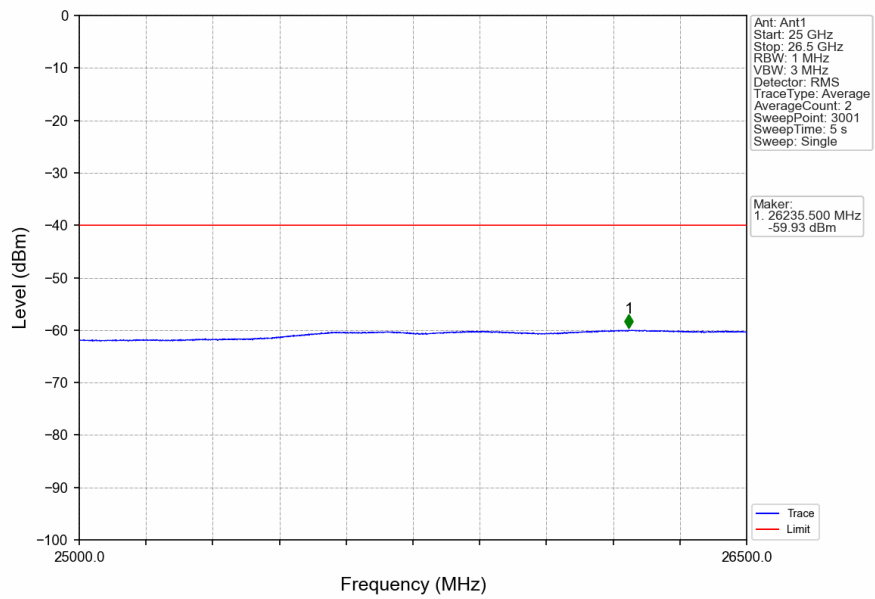
15.1.2 Test Graph



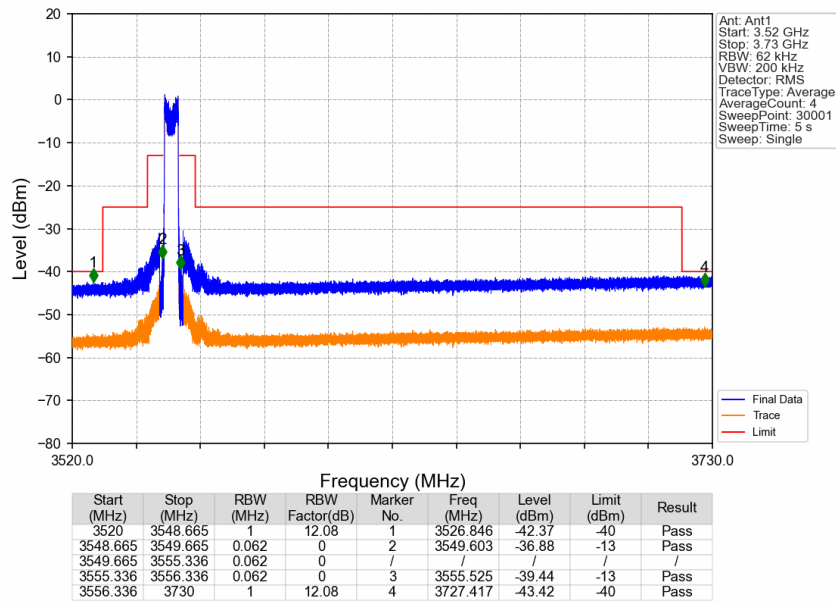
Band48 5MHz QPSK LCH 3552.5MHz RB 1 0 NTNV



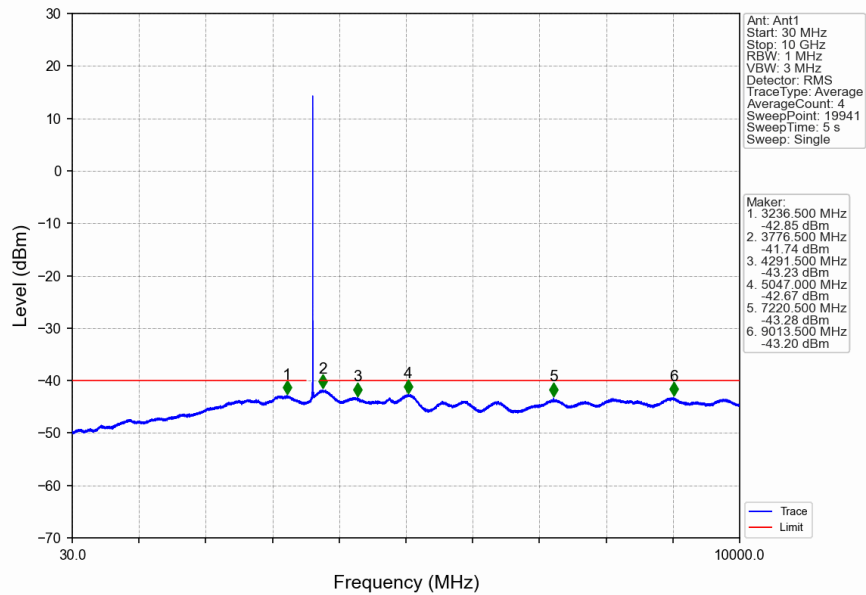
Band48 5MHz QPSK LCH 3552.5MHz RB 1 0 NTNV



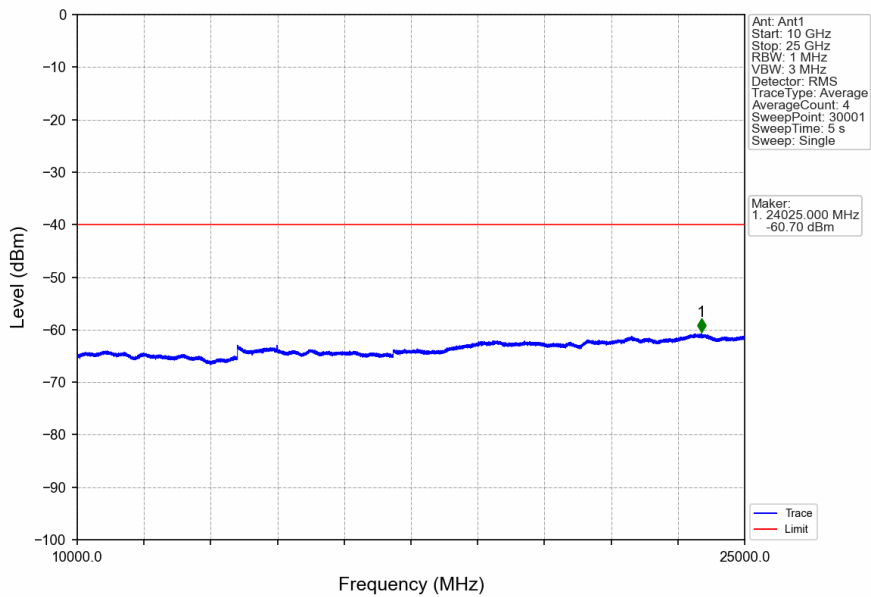
Band48 5MHz QPSK LCH 3552.5MHz RB 25 0 NTNV



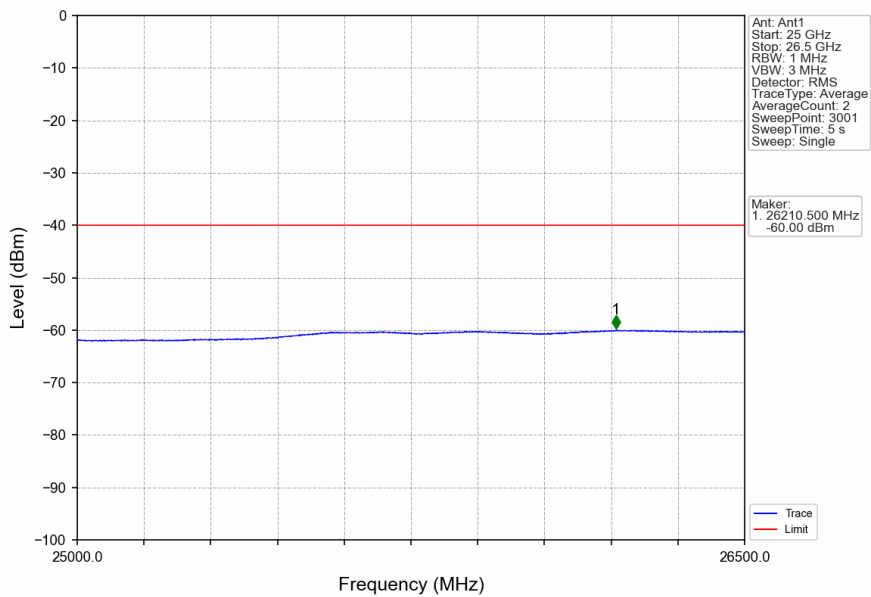
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTNV



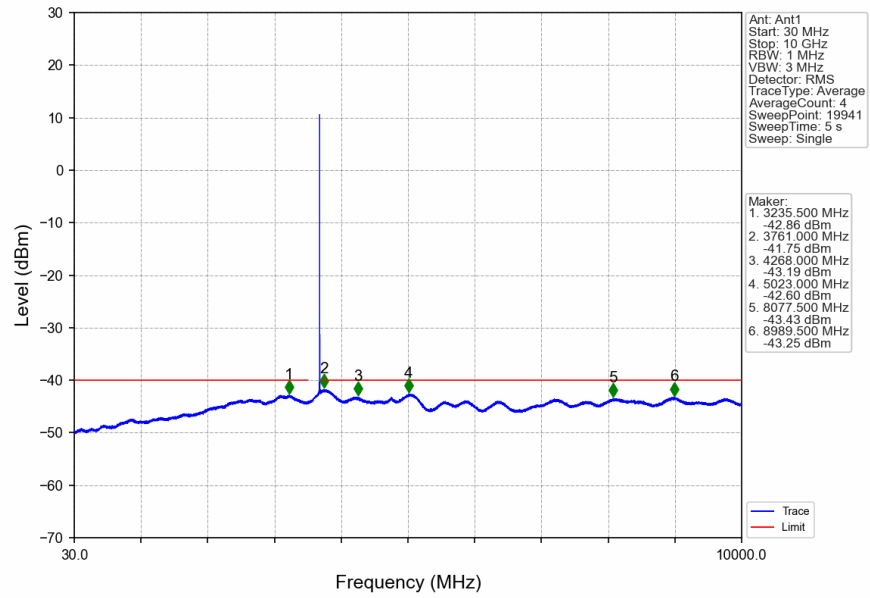
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTN



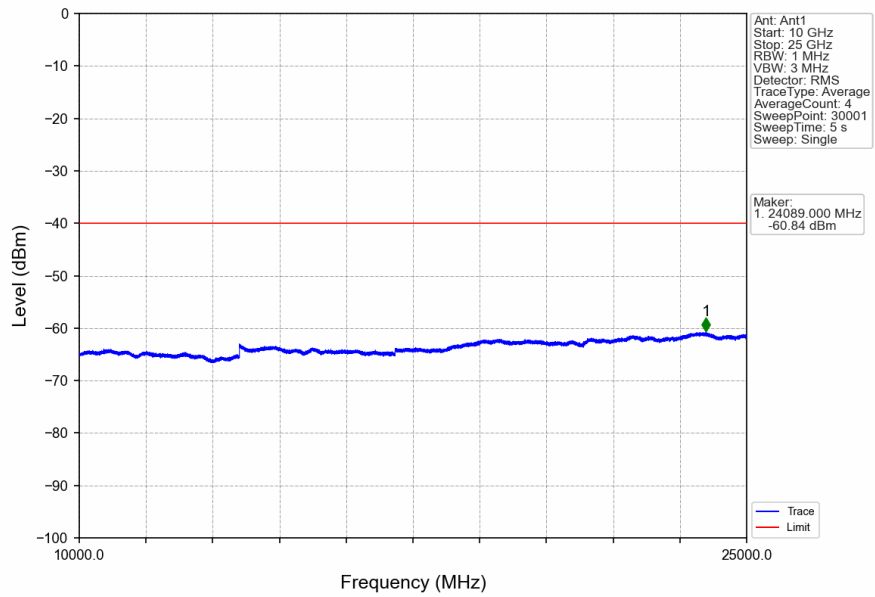
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTN



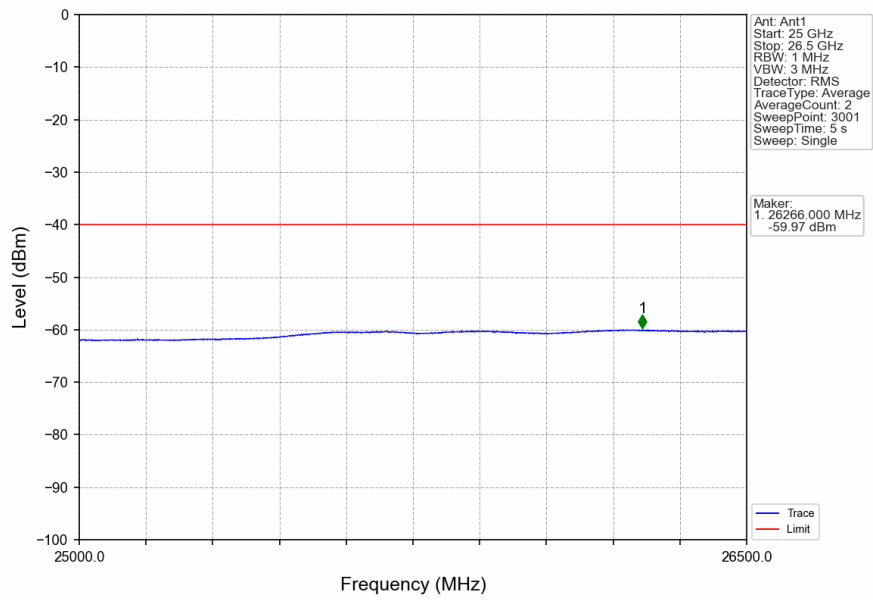
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



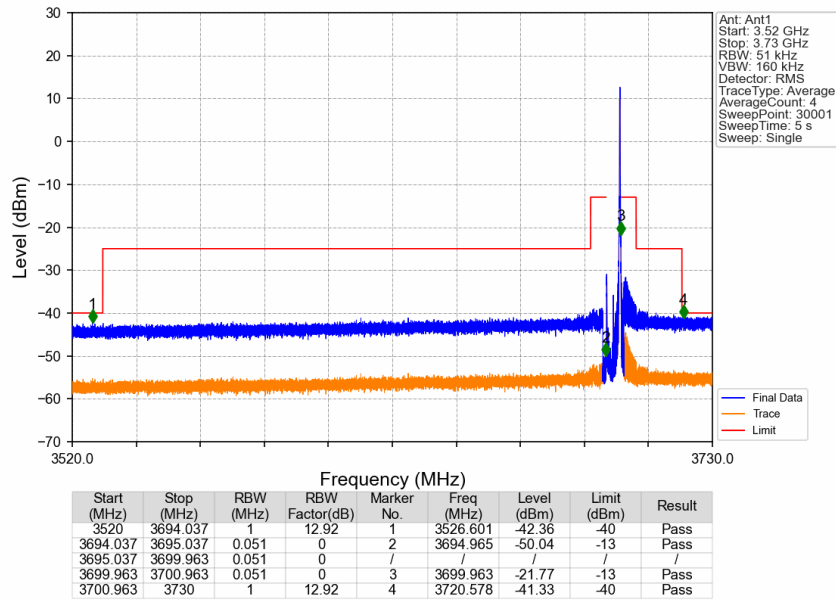
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



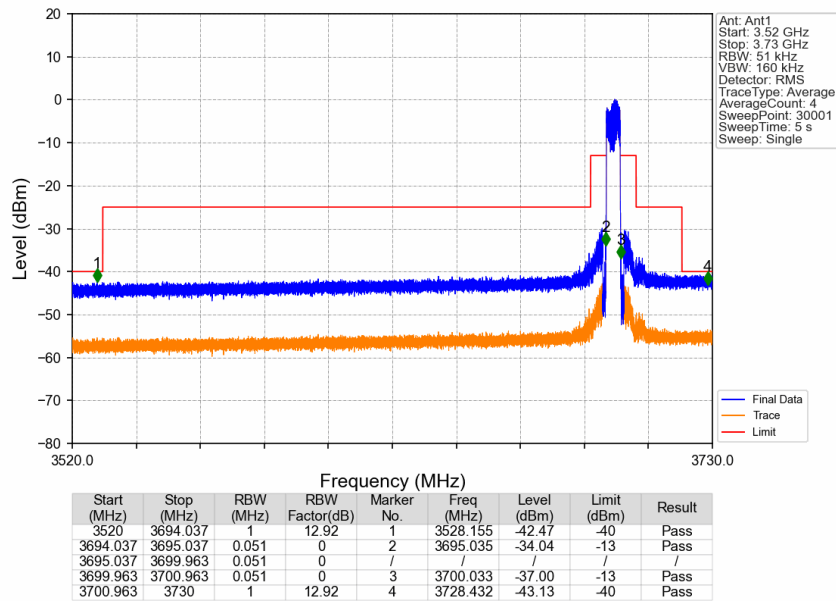
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



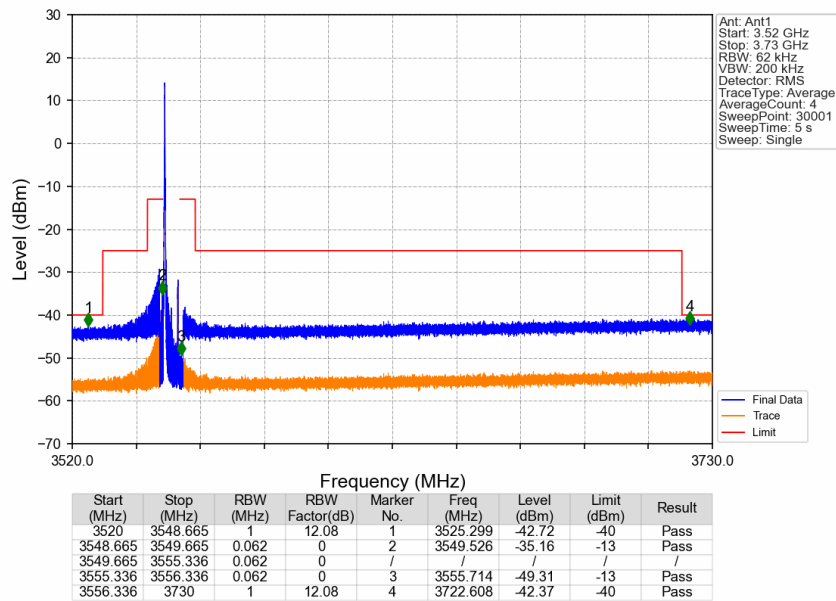
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_24_NTNV



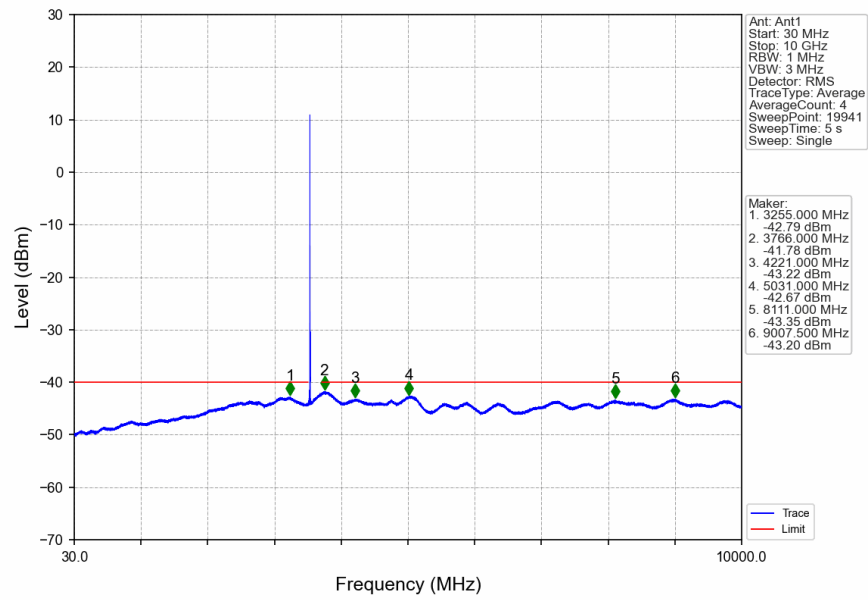
Band48 5MHz QPSK HCH 3697.5MHz RB 25 0 NTNV



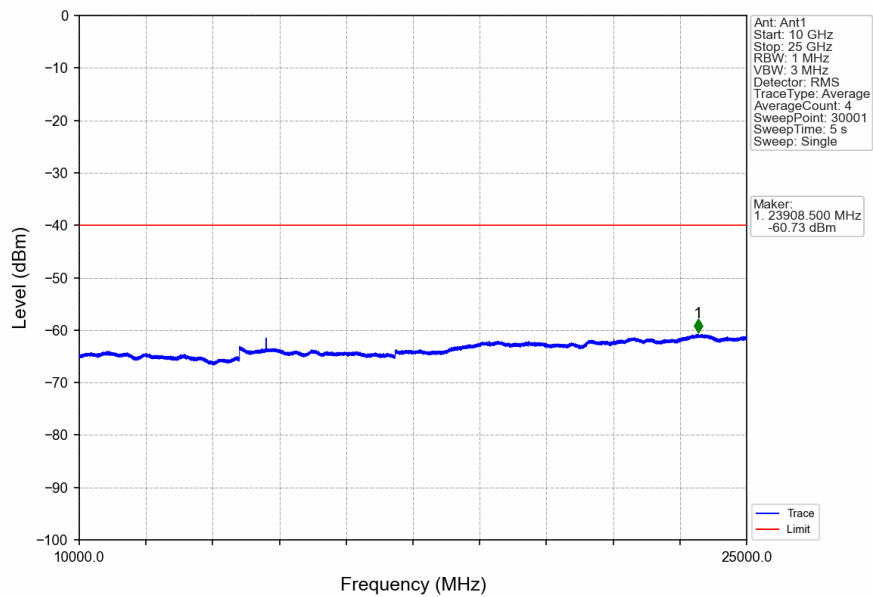
Band48 5MHz 16QAM LCH 3552.5MHz RB 1 0 NTNV



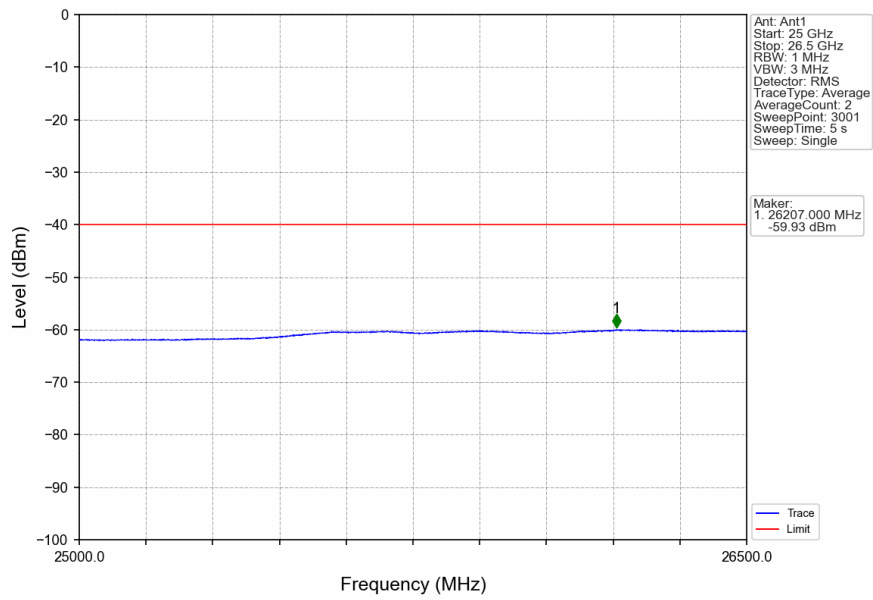
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV



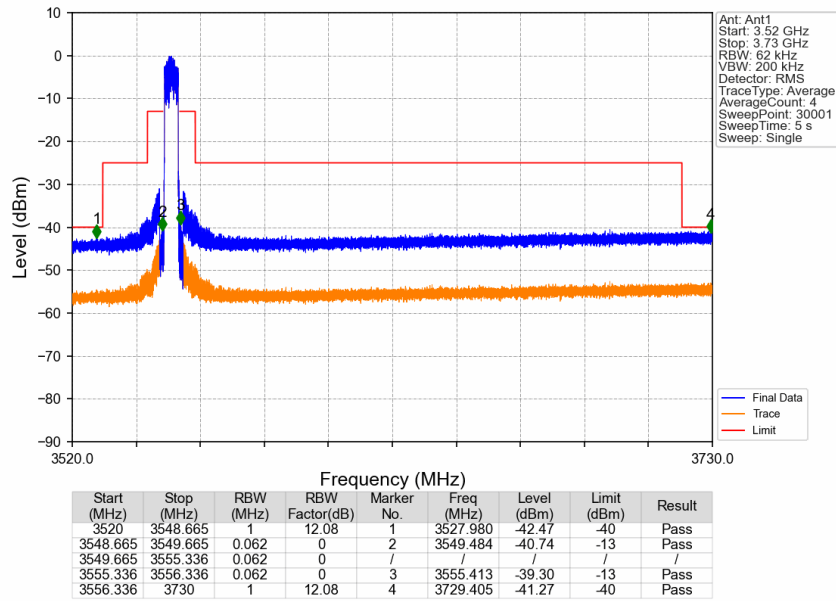
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_1_0_NTNV



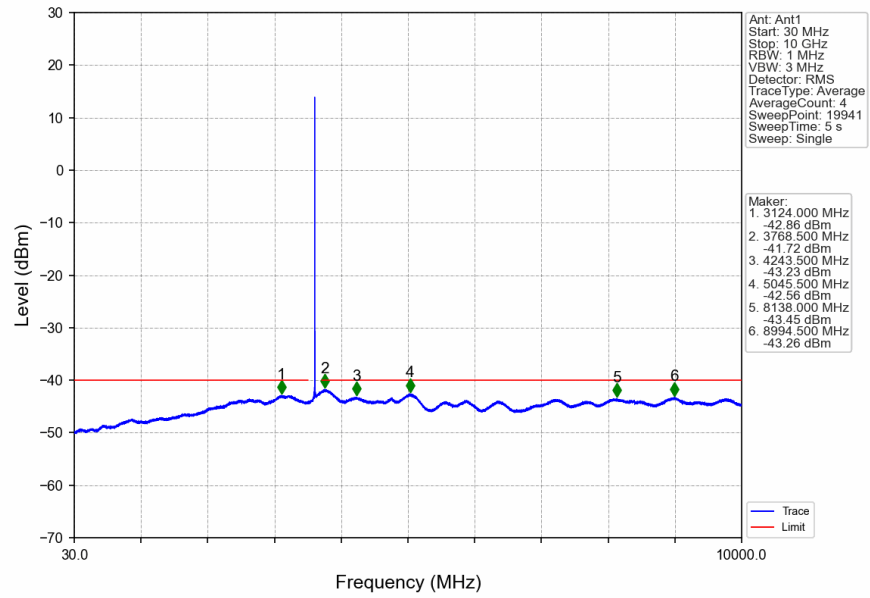
Band48 5MHz 16QAM LCH 3552.5MHz RB 1 0 NTNV



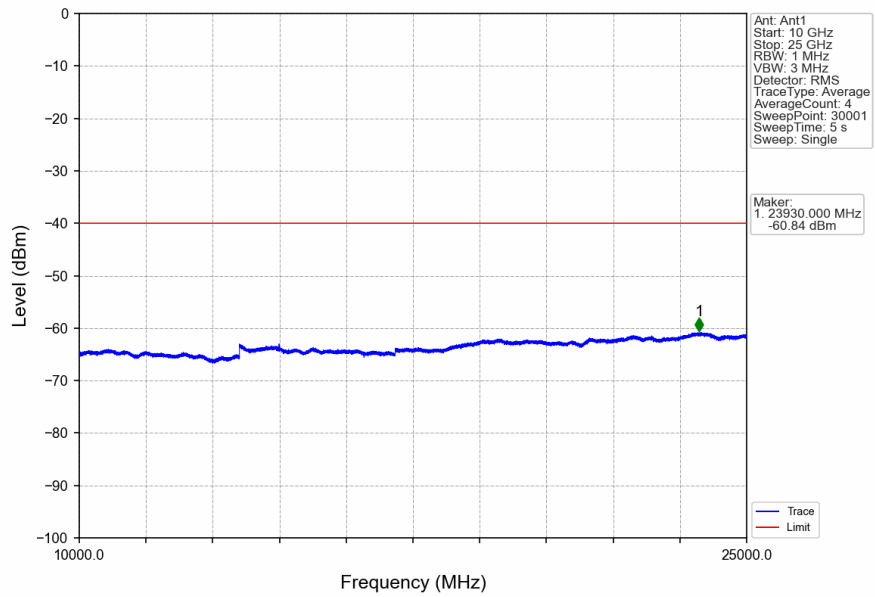
Band48 5MHz 16QAM LCH 3552.5MHz RB 25 0 NTNV



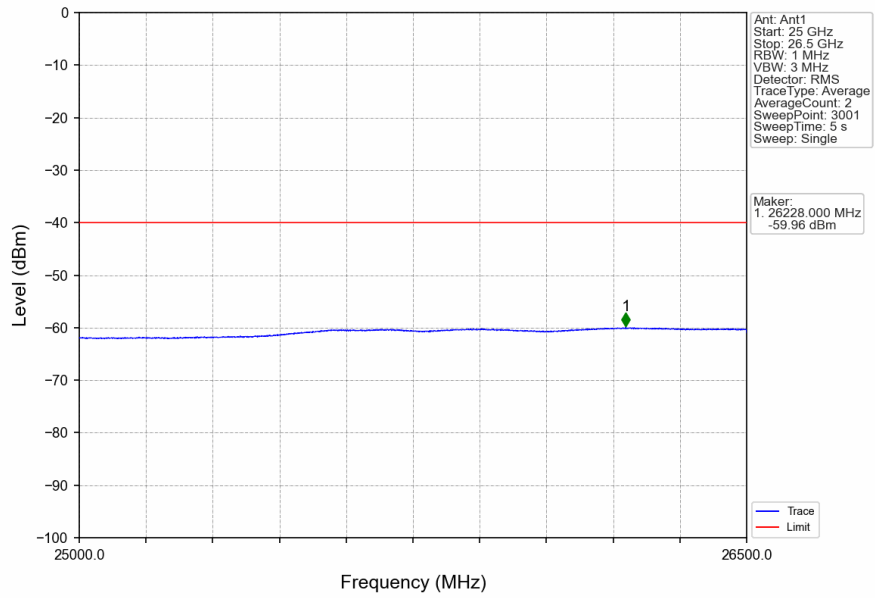
Band48 5MHz 16QAM MCH 3625MHz RB 1 0 NTNV



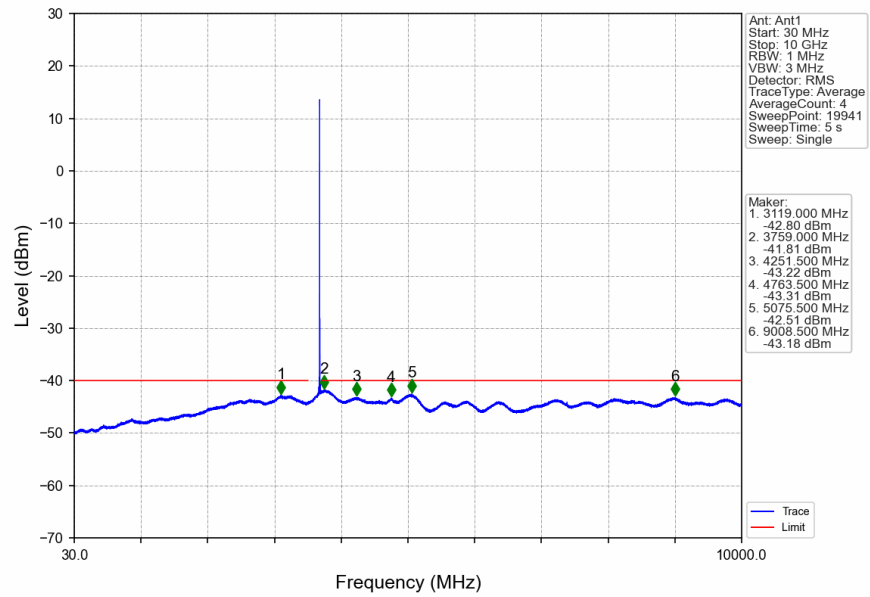
Band48 5MHz 16QAM MCH 3625MHz RB 1 0 NTNV



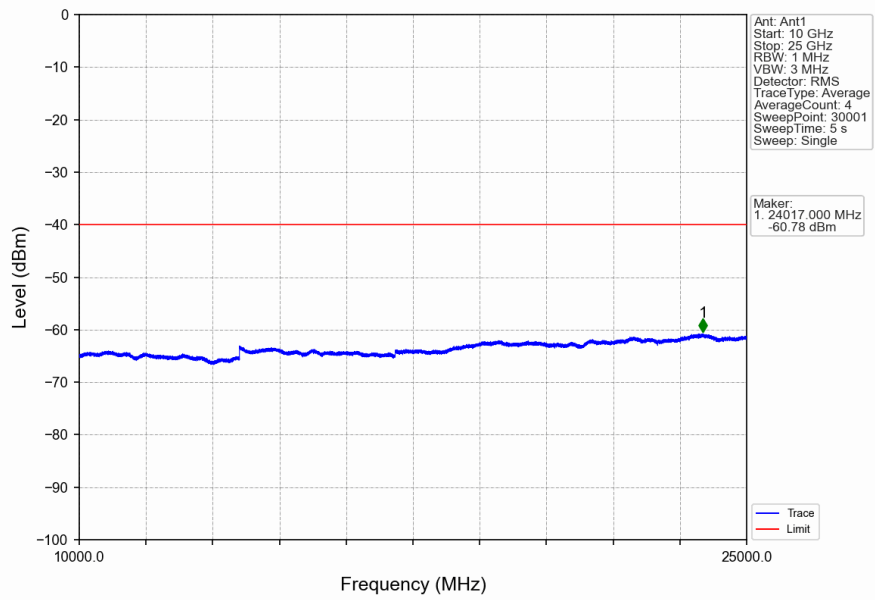
Band48 5MHz 16QAM MCH 3625MHz RB 1 0 NTNV



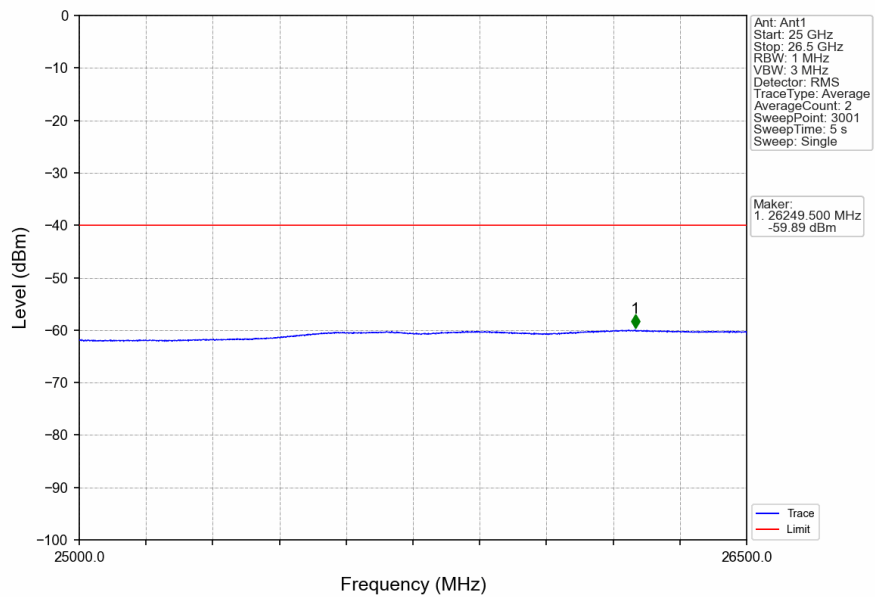
Band48 5MHz 16QAM HCH 3697.5MHz RB 1 0 NTNV



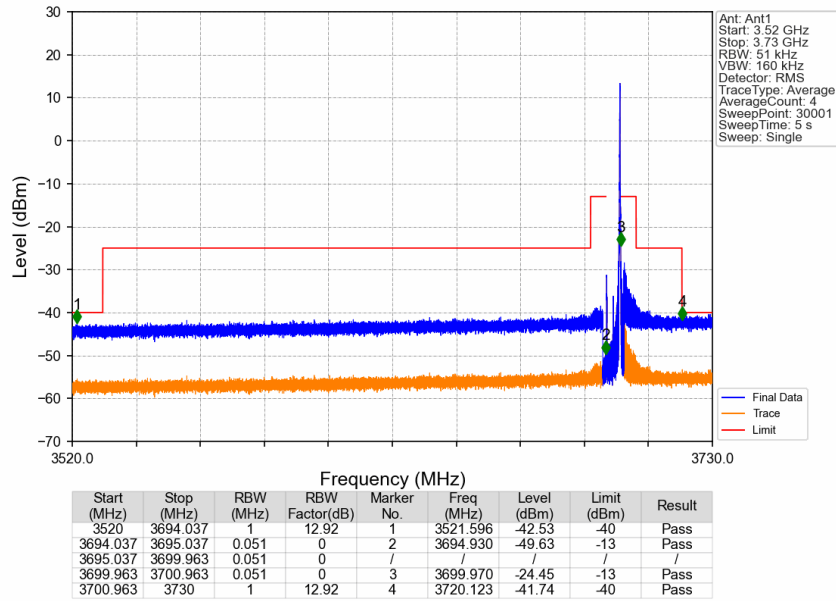
Band48 5MHz 16QAM HCH 3697.5MHz RB 1 0 NTNV



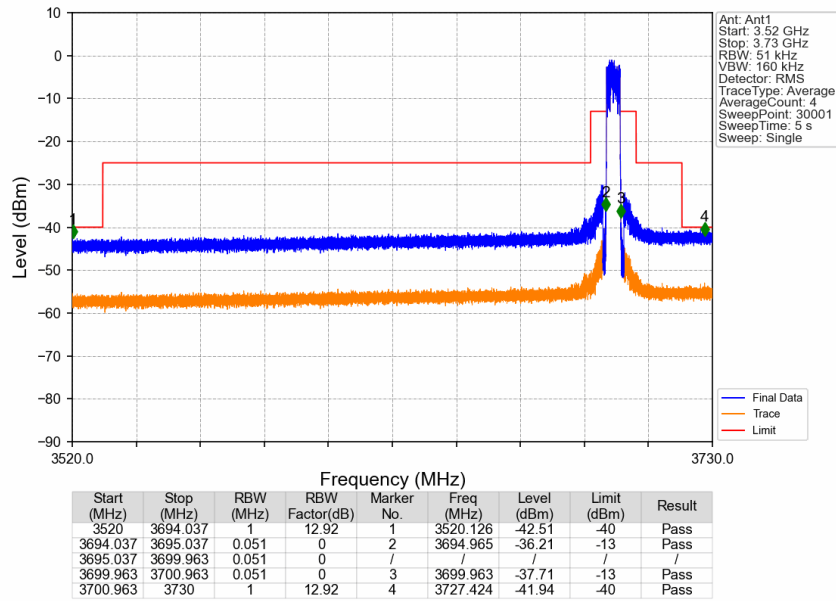
Band48 5MHz 16QAM HCH 3697.5MHz RB 1 0 NTNV



Band48 5MHz 16QAM HCH 3697.5MHz RB 1 24 NTN



Band48 5MHz 16QAM HCH 3697.5MHz RB 25 0 NTN

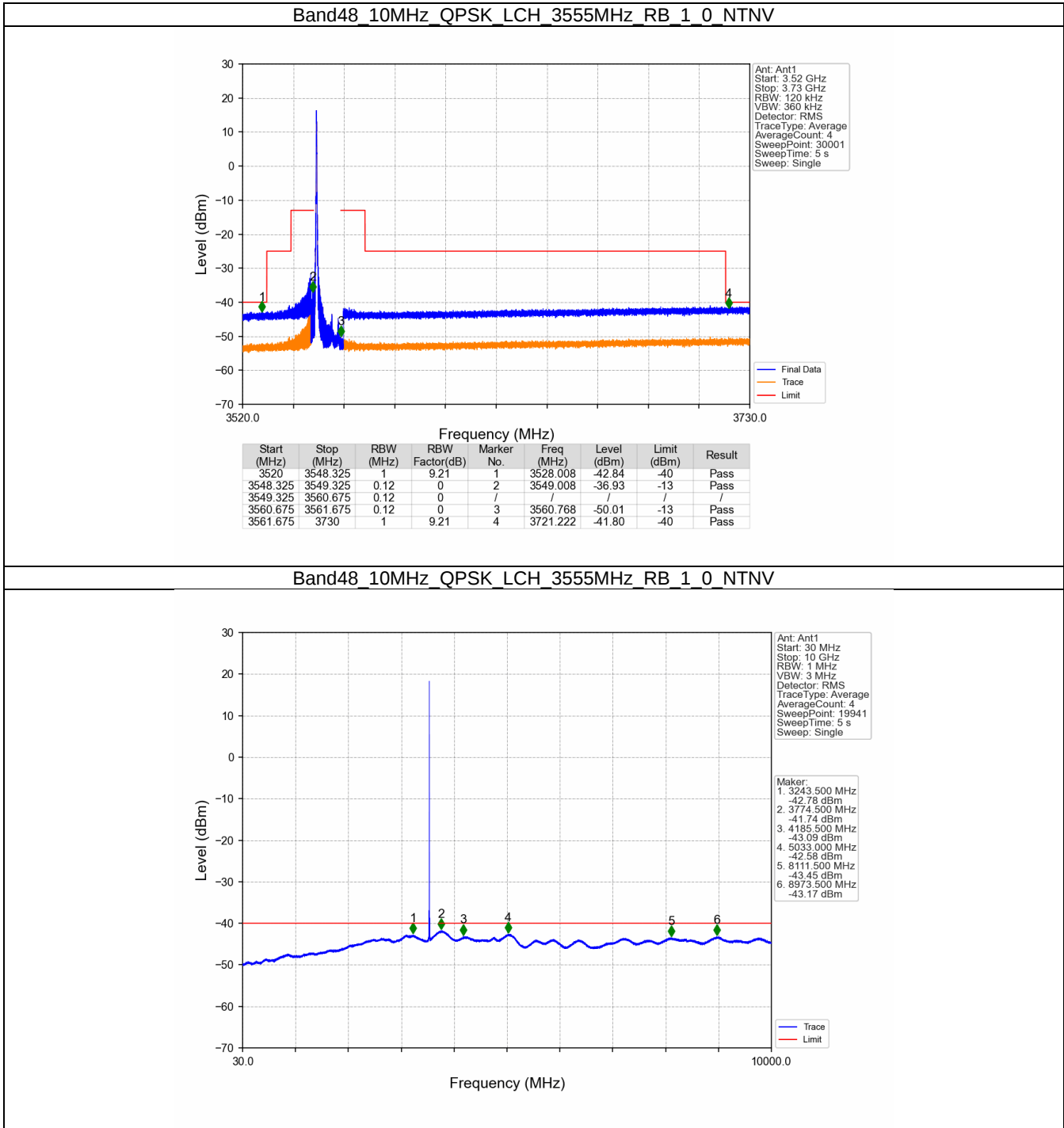


15.2 B48_10MHz

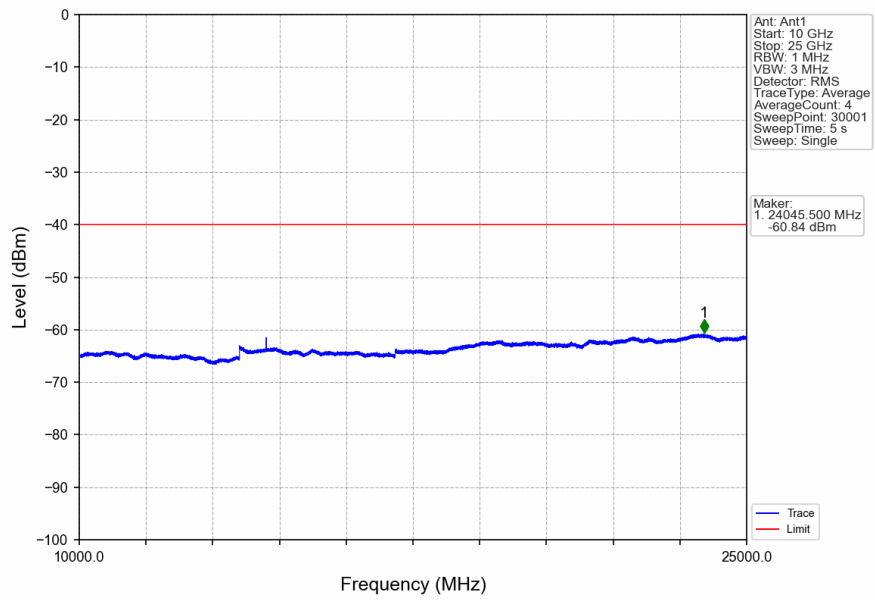
15.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	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
16QAM	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	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

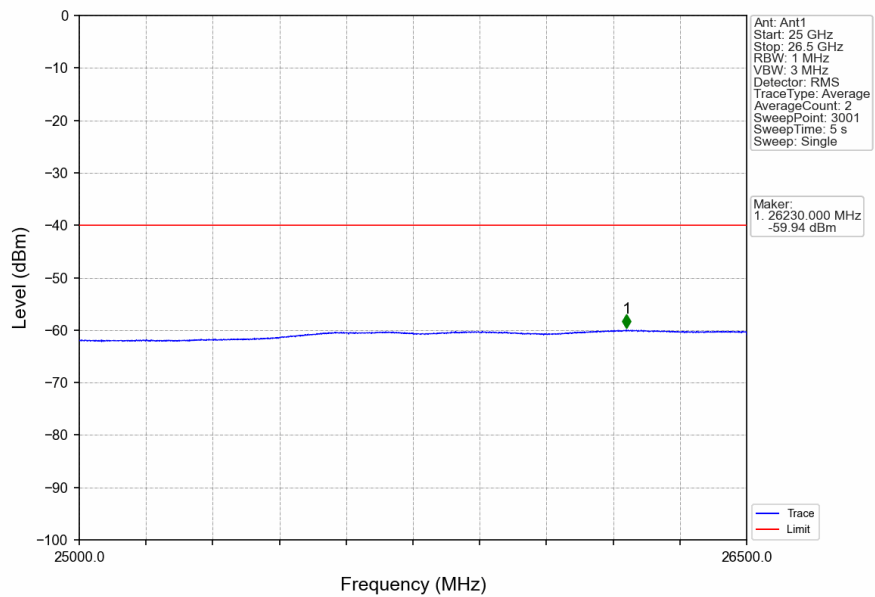
15.2.2 Test Graph



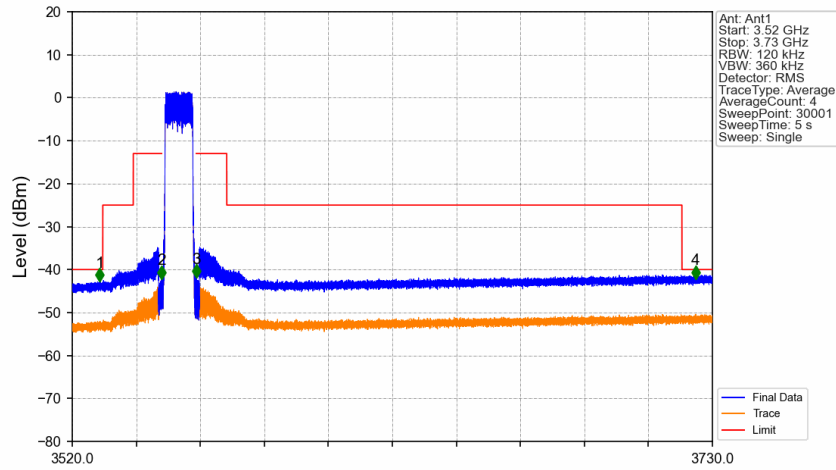
Band48 10MHz QPSK LCH 3555MHz RB 1 0 NTNV



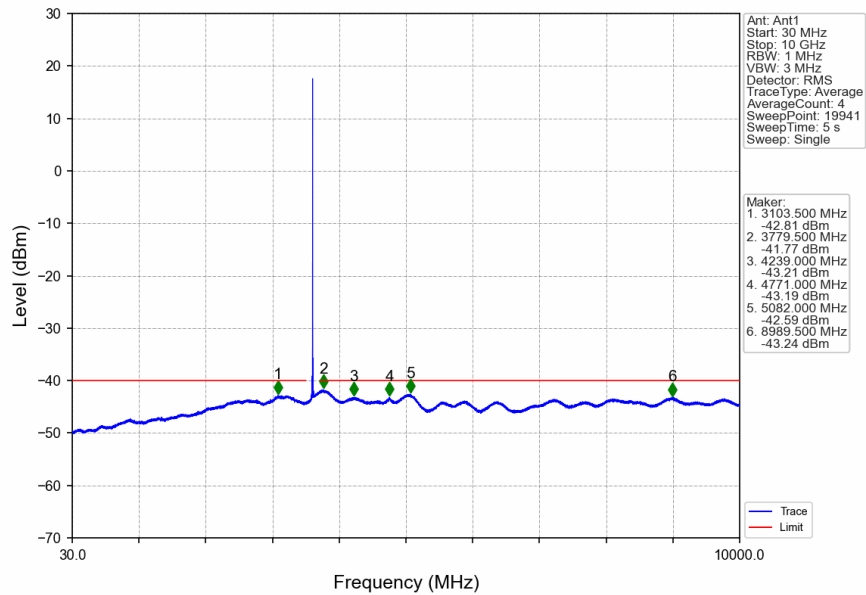
Band48 10MHz QPSK LCH 3555MHz RB 1 0 NTNV



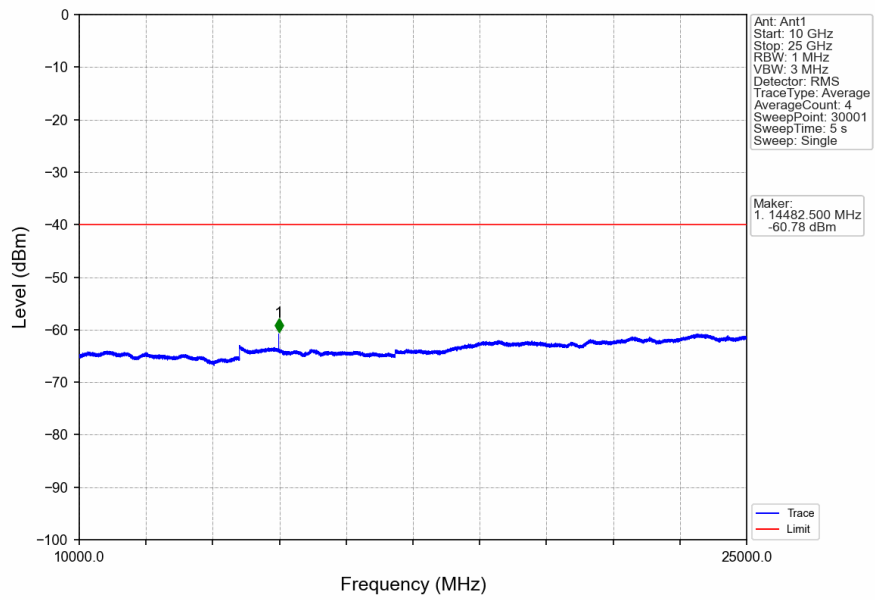
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



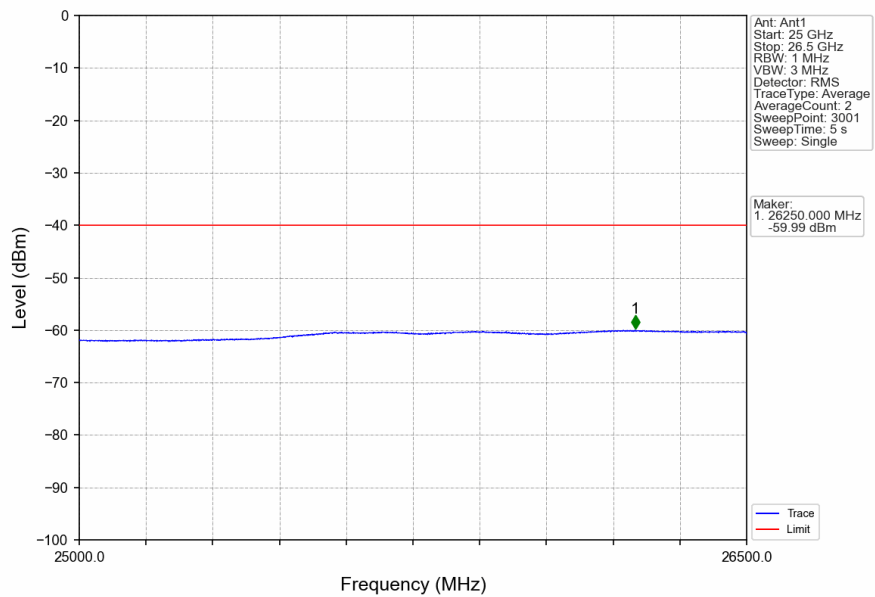
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



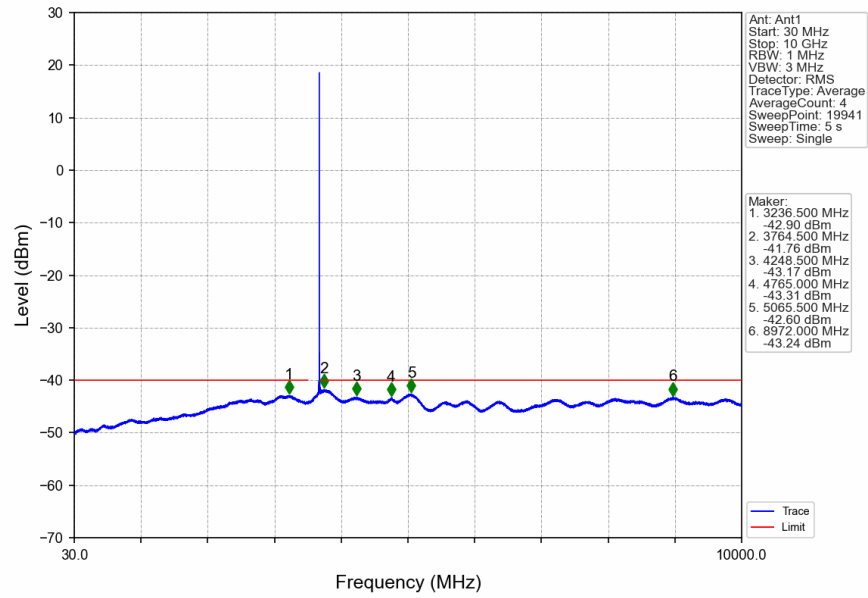
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



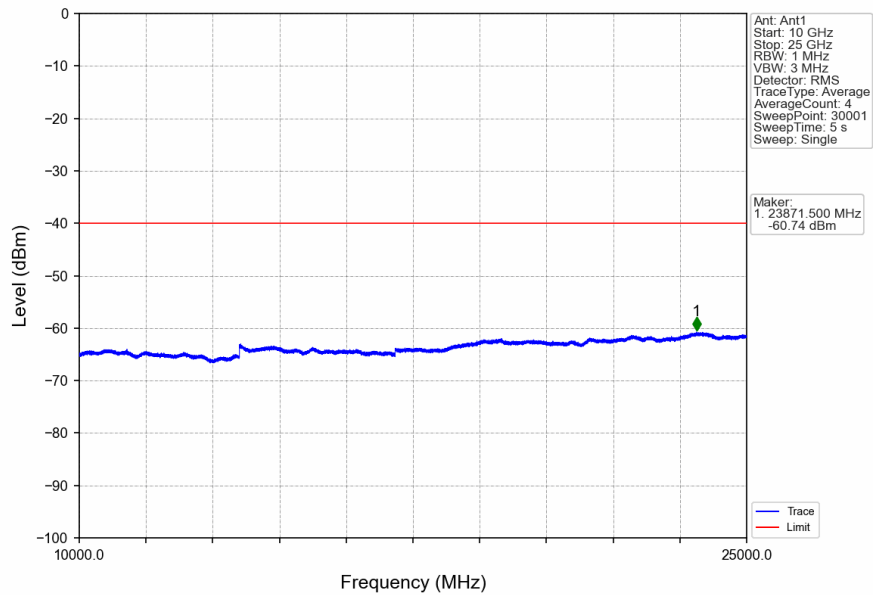
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



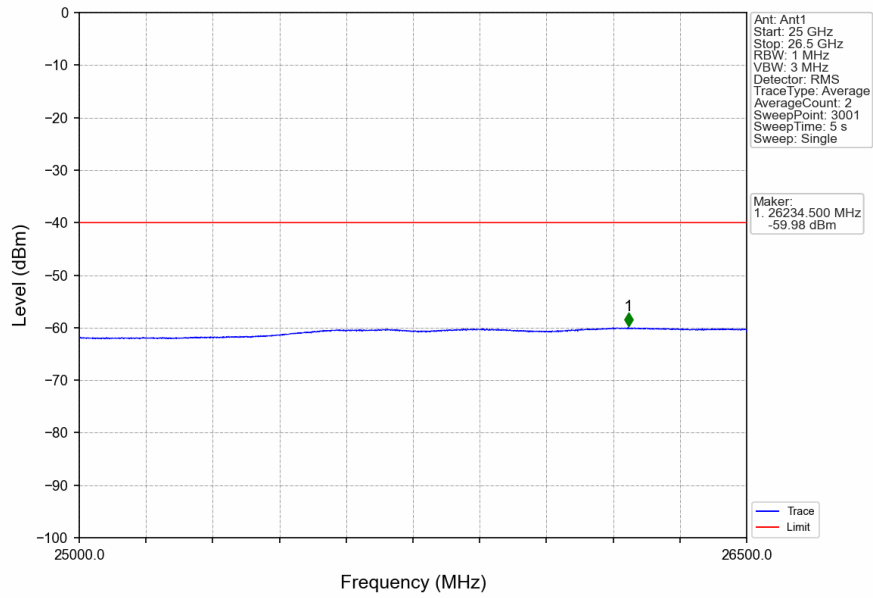
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



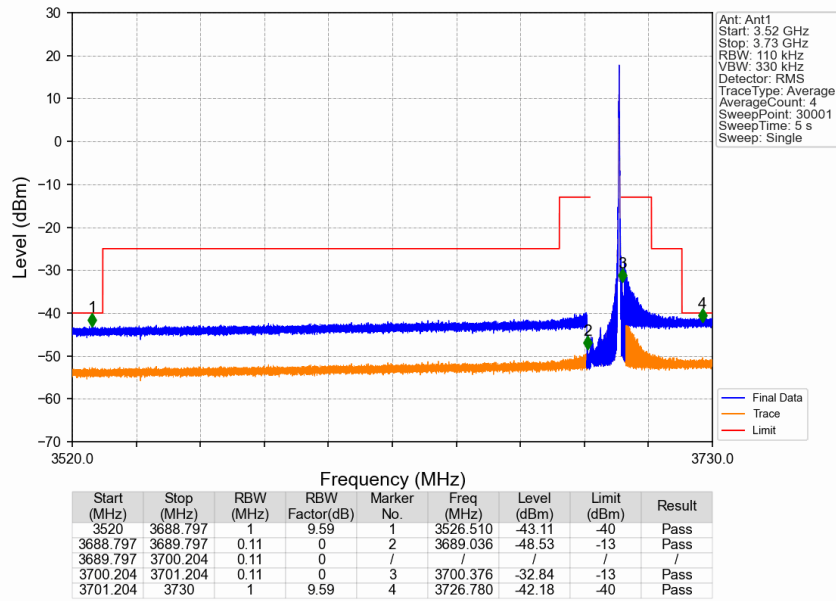
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



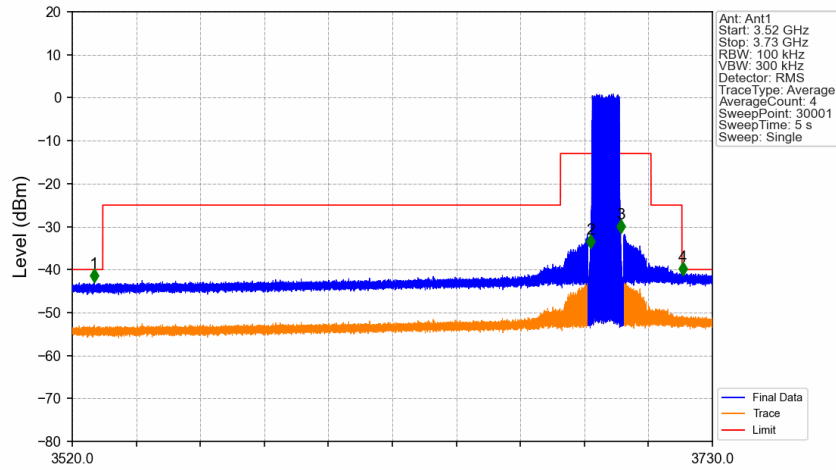
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_HCH_3695MHz_RB_1_49_NTNV

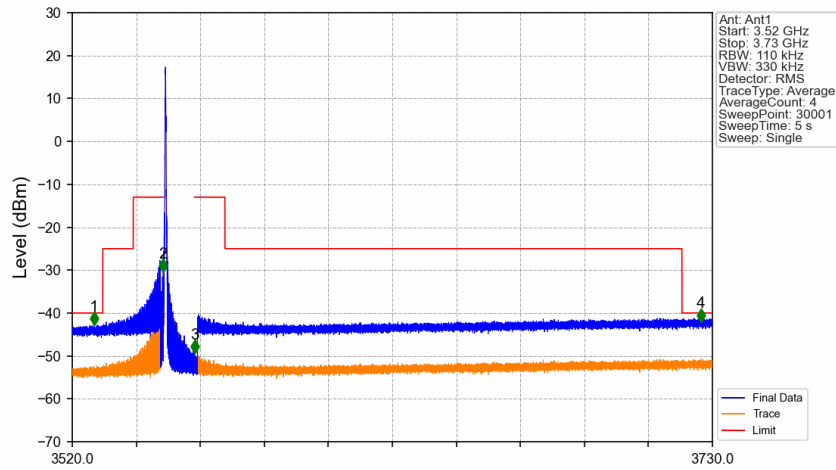


Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



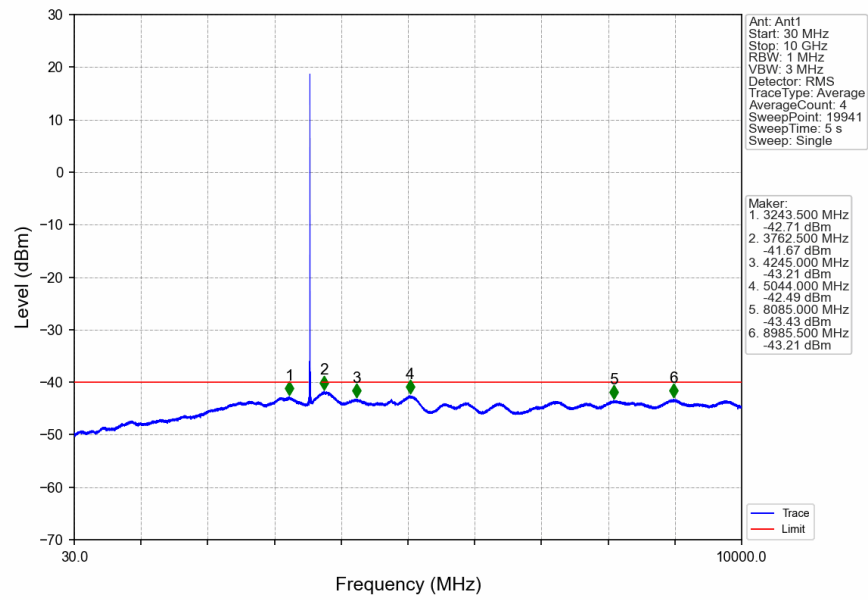
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.151	1	10	1	3527.210	-42.94	-40	Pass
3689.151	3690.151	0.1	0	2	3690.044	-35.03	-13	Pass
3690.151	3699.849	0.1	0	/	/	/	/	/
3699.849	3700.849	0.1	0	3	3699.865	-31.48	-13	Pass
3700.849	3730	1	10	4	3720.305	-41.44	-40	Pass

Band48_10MHz_16QAM_LCH_3555MHz_RB_1_0_NTNV

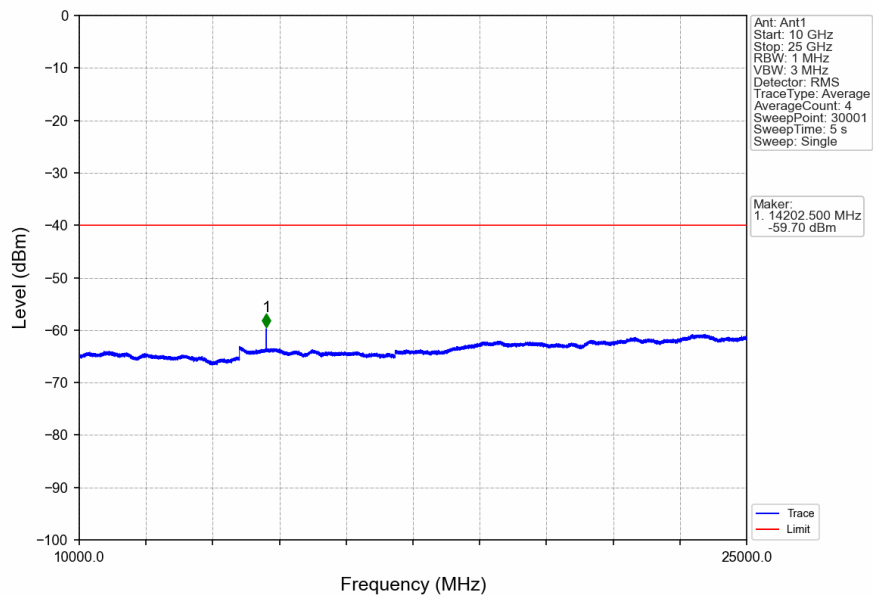


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.929	1	9.59	1	3527.112	-42.79	-40	Pass
3548.929	3549.929	0.11	0	2	3549.855	-30.51	-13	Pass
3549.929	3560.071	0.11	0	/	/	/	/	/
3560.071	3561.071	0.11	0	3	3560.110	-49.33	-13	Pass
3561.071	3730	1	9.59	4	3726.283	-42.07	-40	Pass

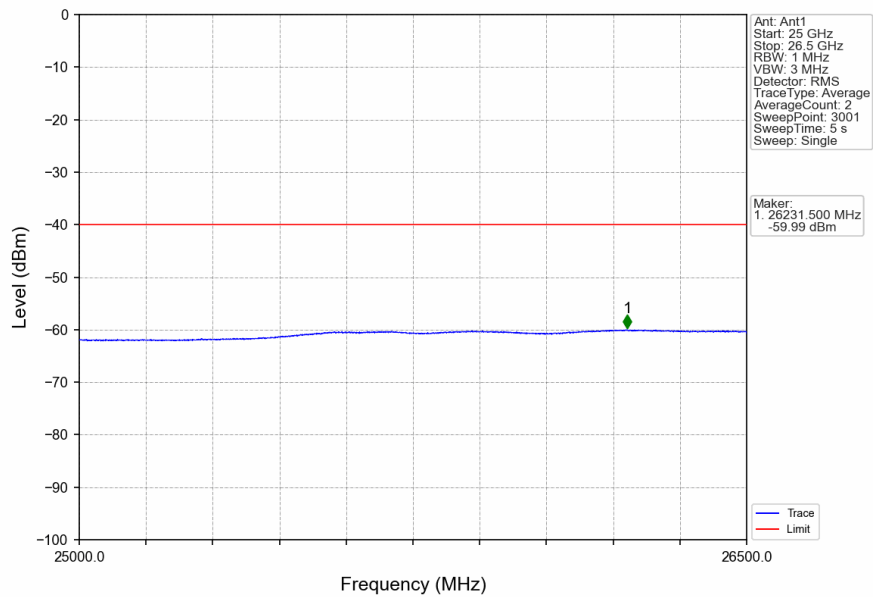
Band48_10MHz_16QAM_LCH_3555MHz_RB_1_0_NTNV



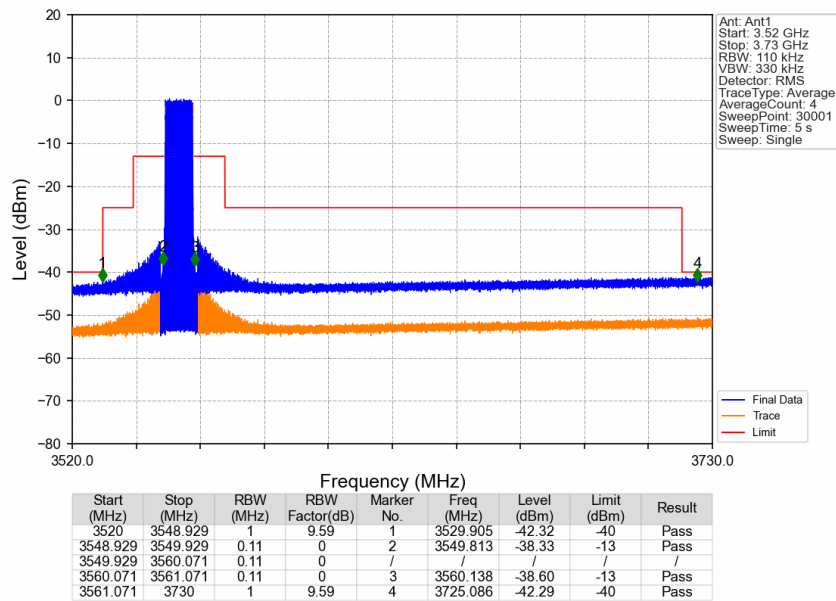
Band48_10MHz_16QAM_LCH_3555MHz_RB_1_0_NTNV



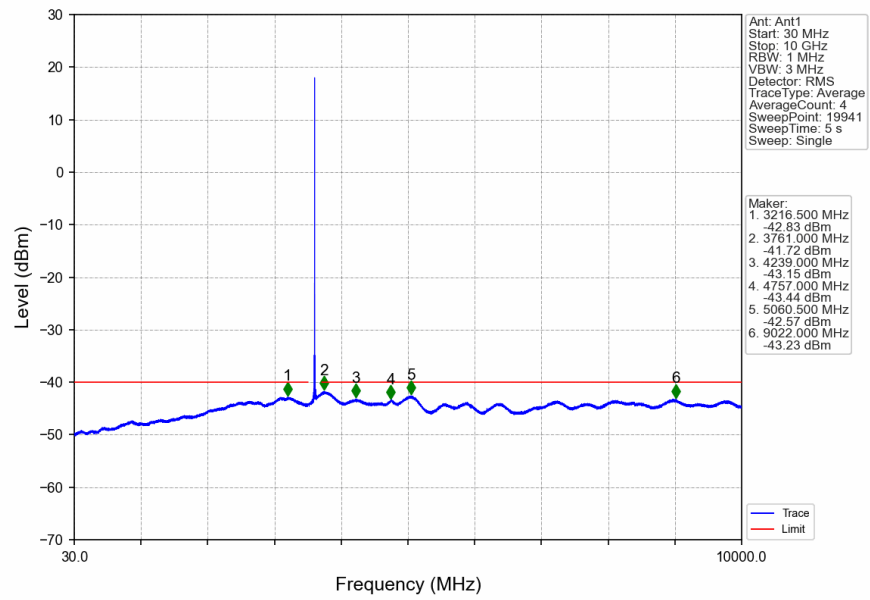
Band48_10MHz_16QAM_LCH_3555MHz_RB_1_0_NTNV



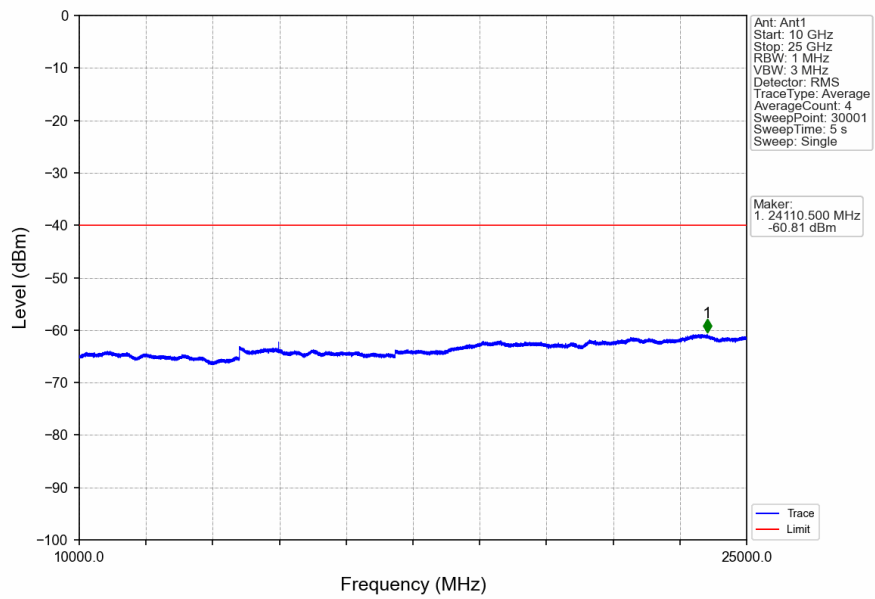
Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV



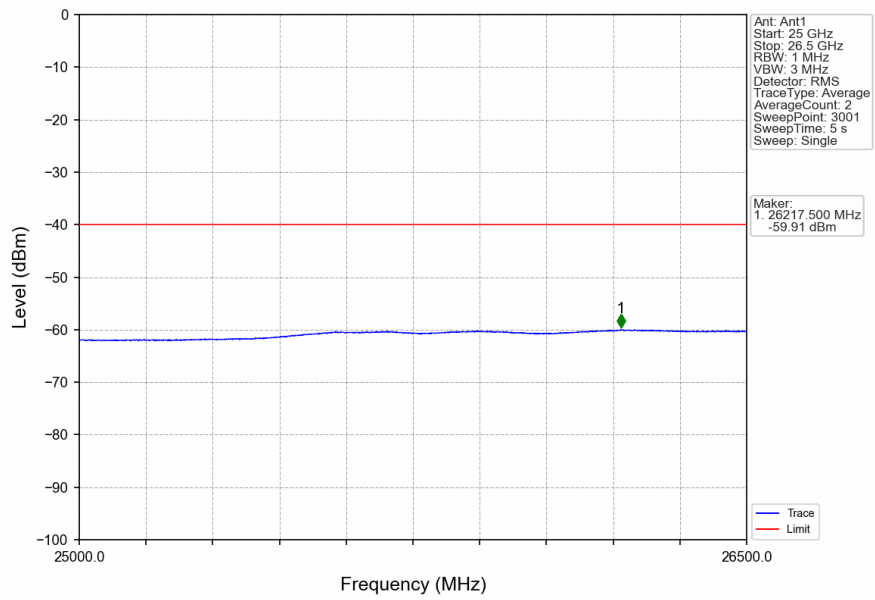
Band48_10MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



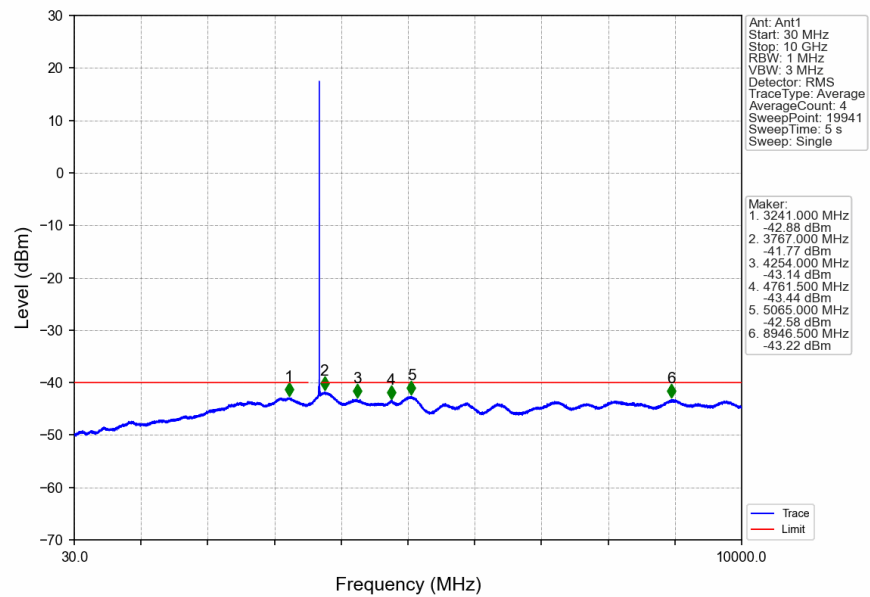
Band48_10MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



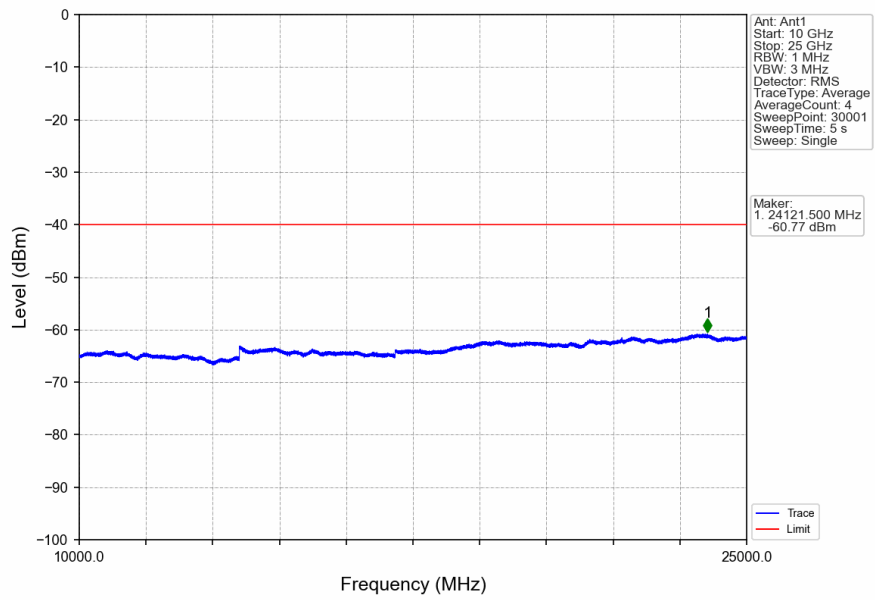
Band48_10MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



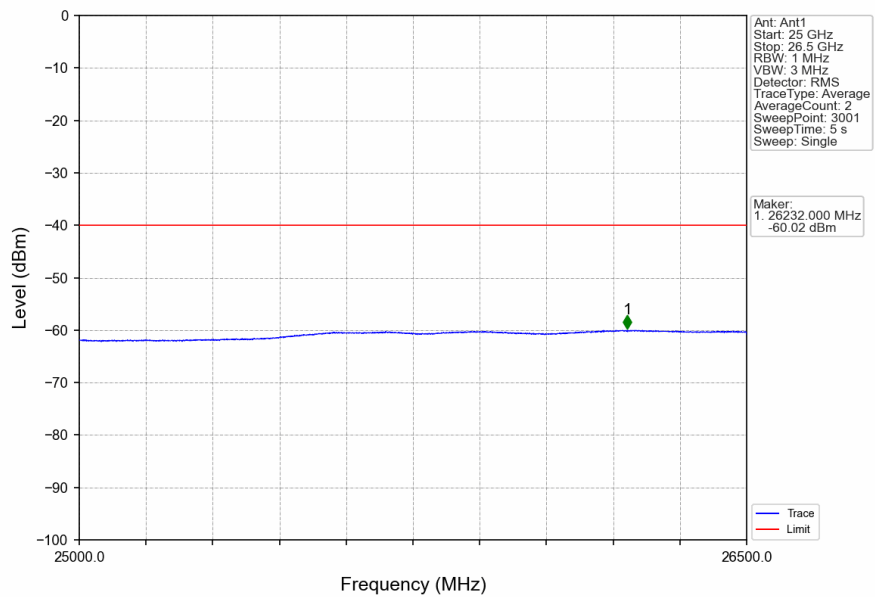
Band48_10MHz_16QAM_HCH_3695MHz_RB_1_0_NTNV



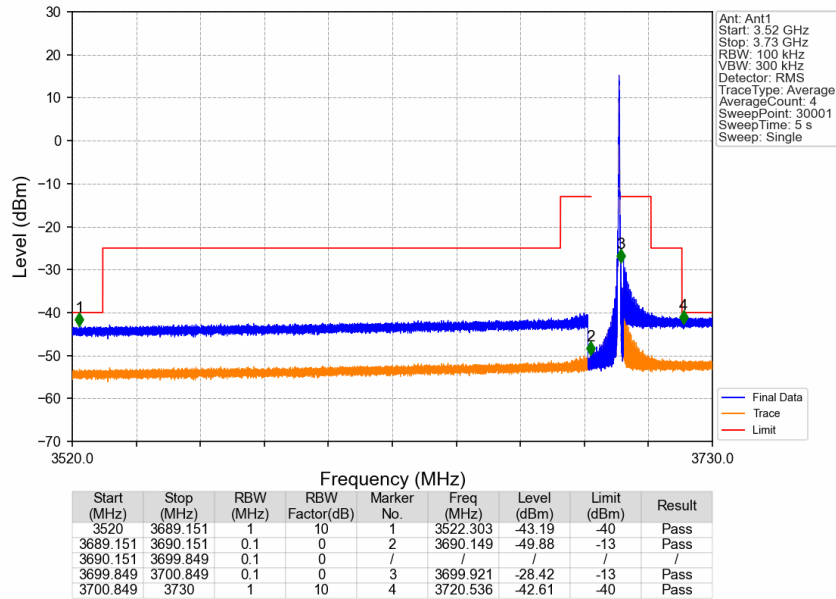
Band48_10MHz_16QAM_HCH_3695MHz_RB_1_0_NTNV



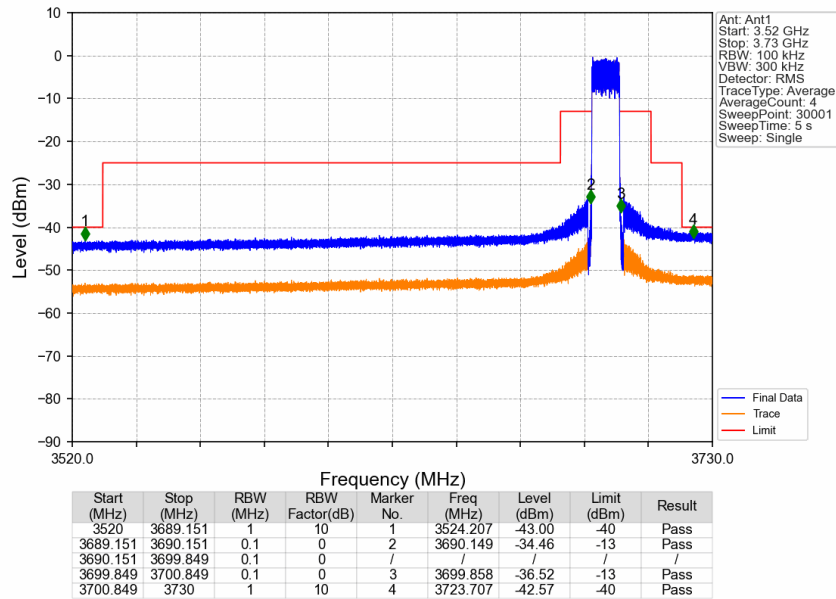
Band48_10MHz_16QAM_HCH_3695MHz_RB_1_0_NTNV



Band48 10MHz 16QAM HCH 3695MHz RB 1 49 NTNV



Band48 10MHz 16QAM HCH 3695MHz RB 50 0 NTNV

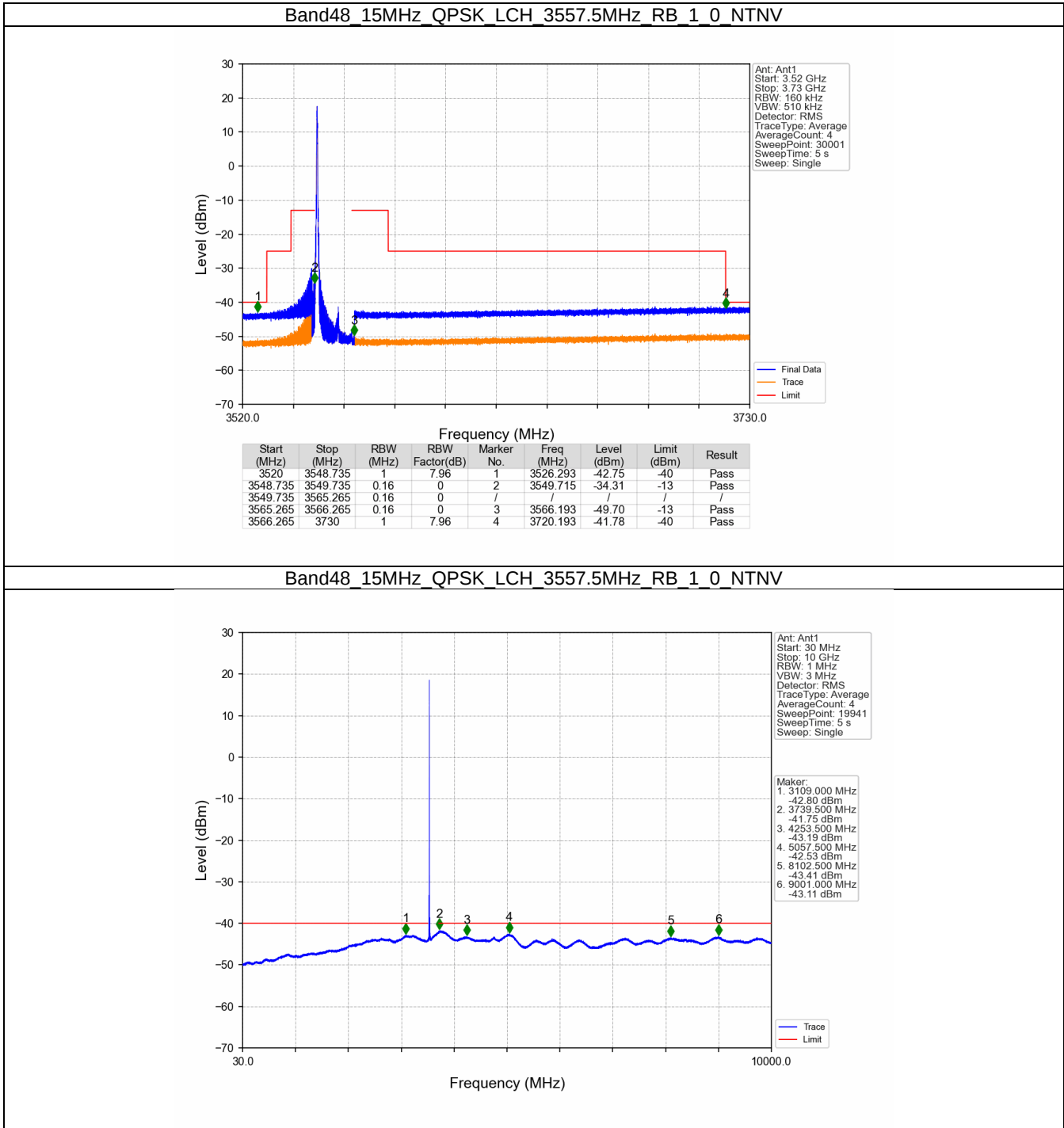


15.3 B48_15MHz

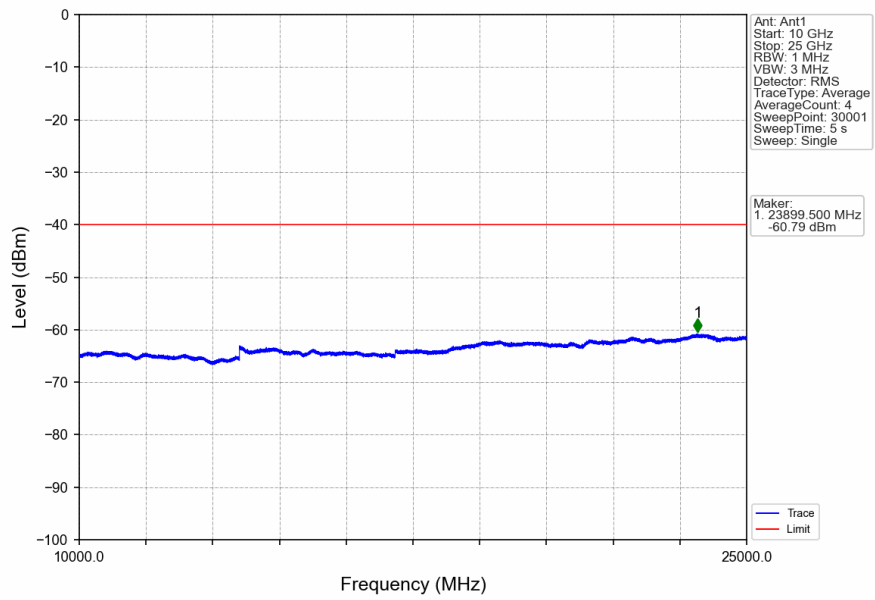
15.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	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
		75	0	Refer To Test Graph		Pass
	3625	1	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

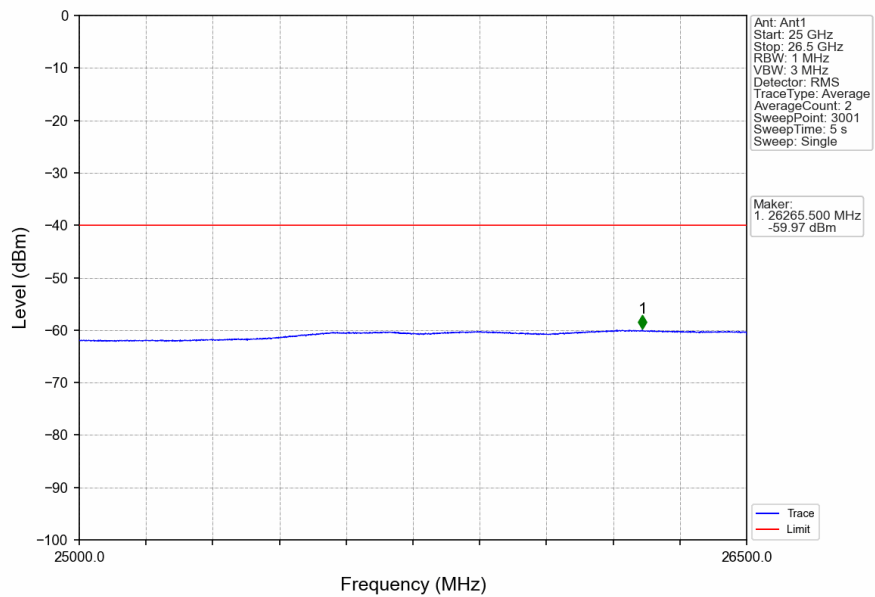
15.3.2 Test Graph



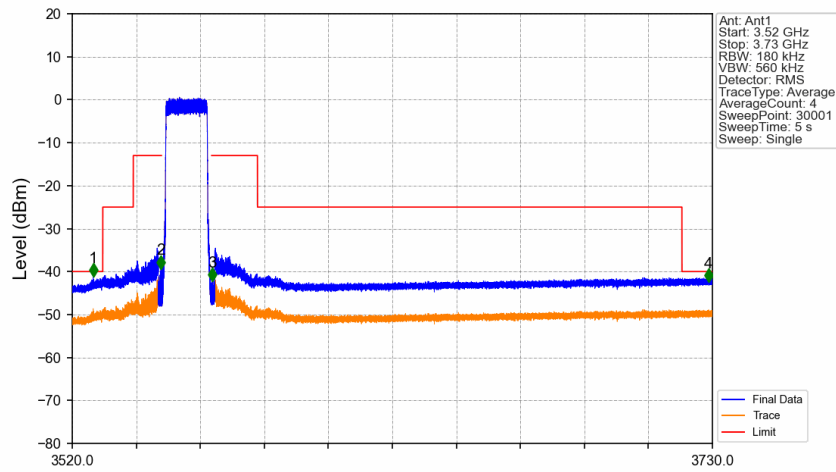
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



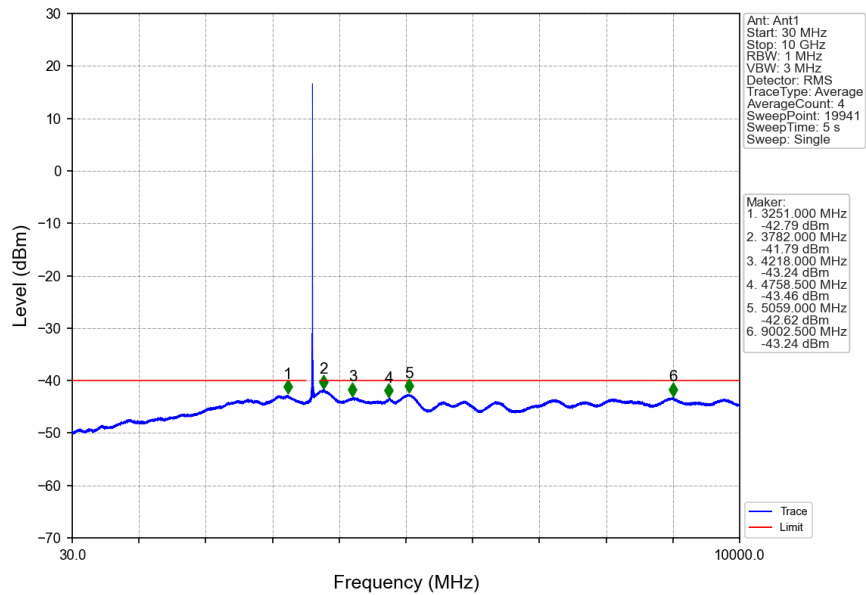
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



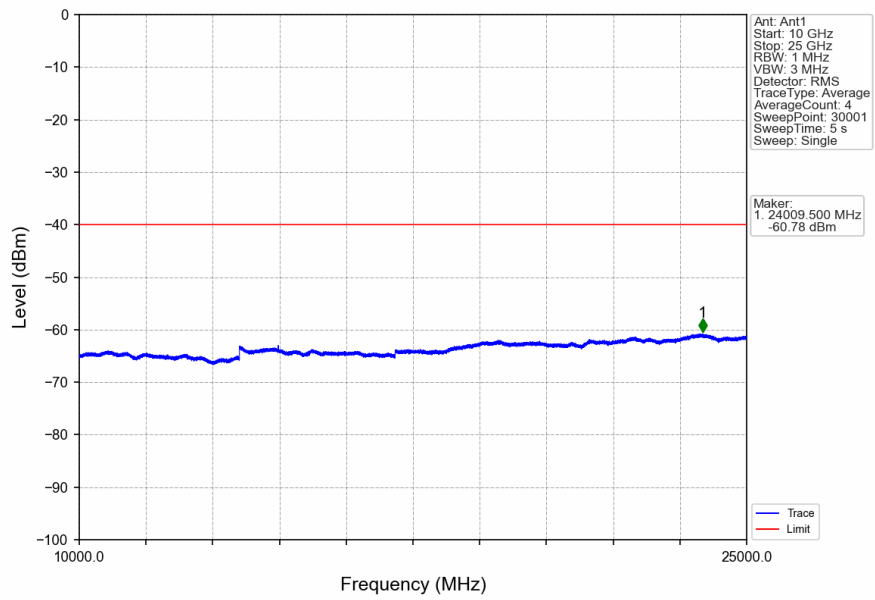
Band48 15MHz QPSK LCH 3557.5MHz RB 75 0 NTN



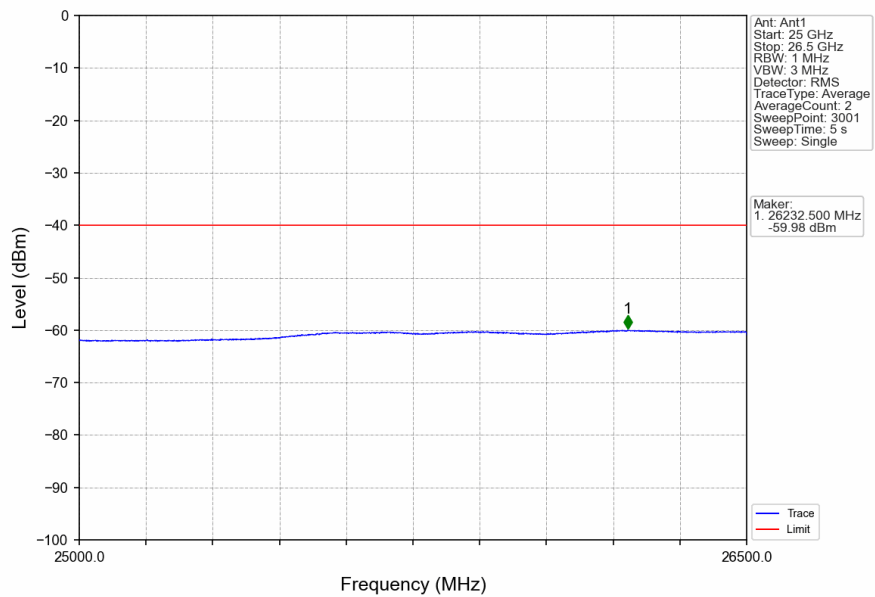
Band48 15MHz QPSK MCH 3625MHz RB 1 0 NTN



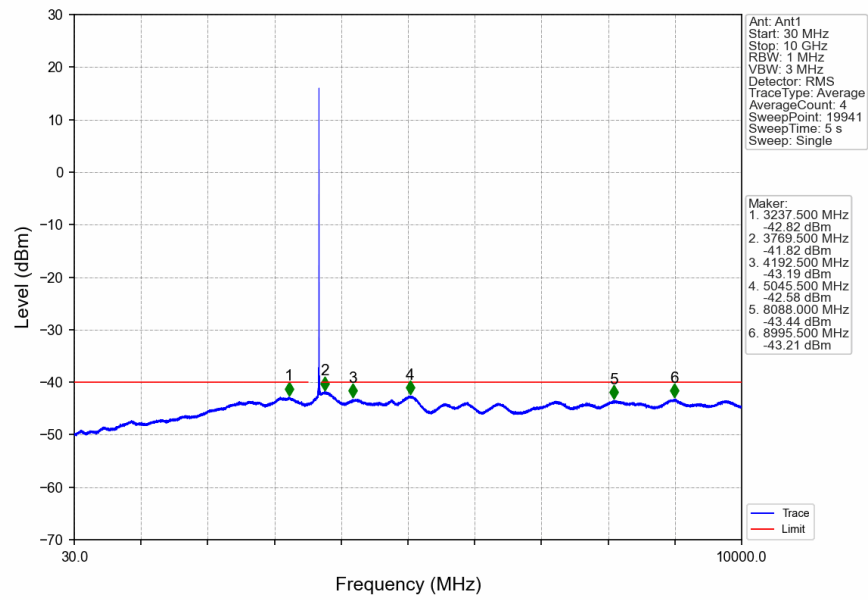
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



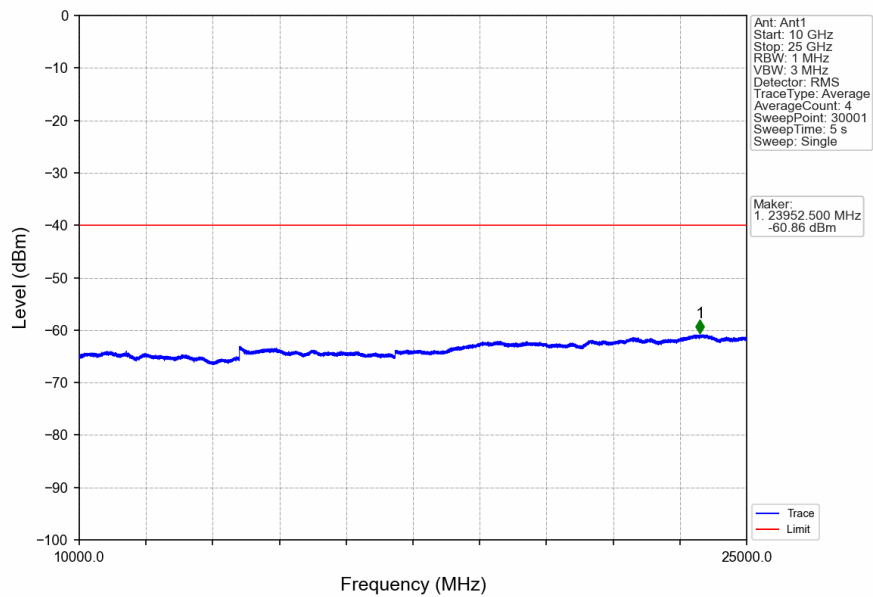
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



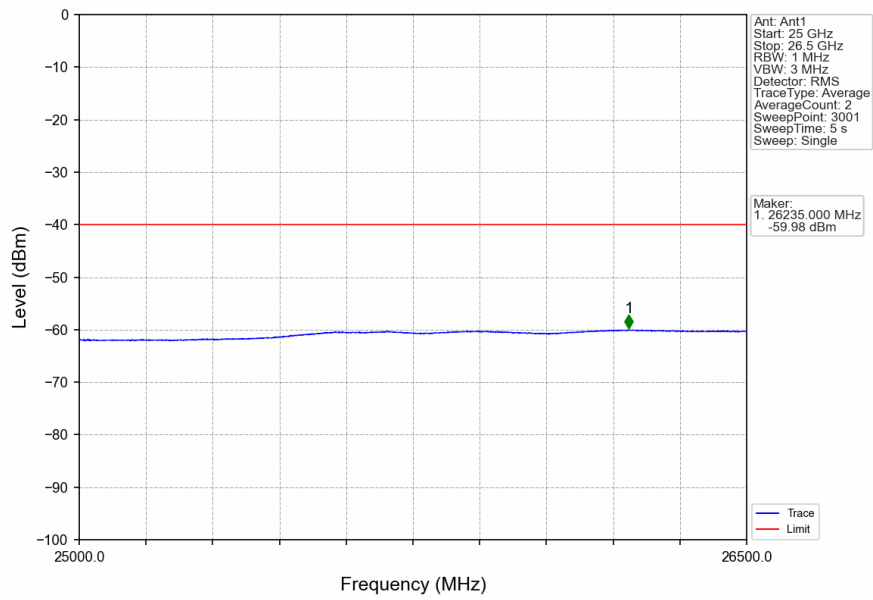
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



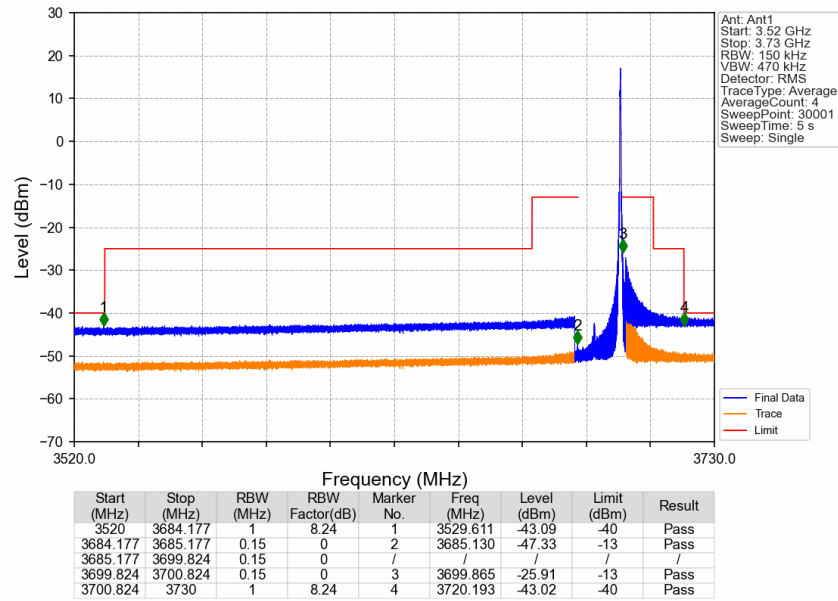
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



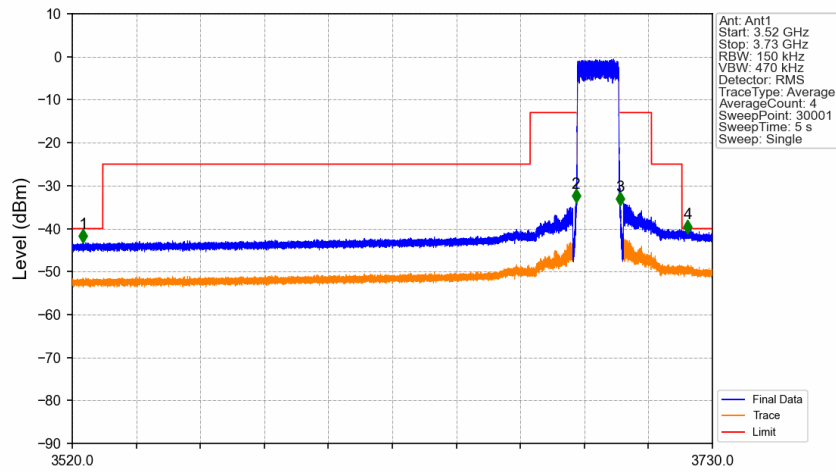
Band48 15MHz QPSK HCH 3692.5MHz RB 1 0 NTNV



Band48 15MHz QPSK HCH 3692.5MHz RB 1 74 NTNV

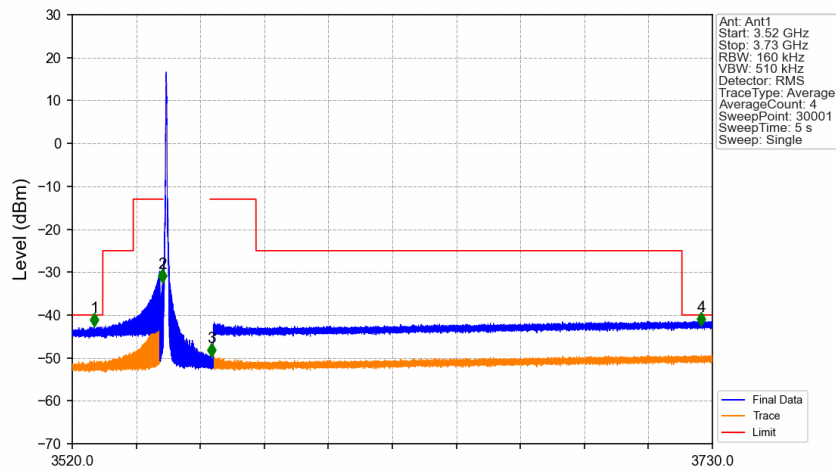


Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



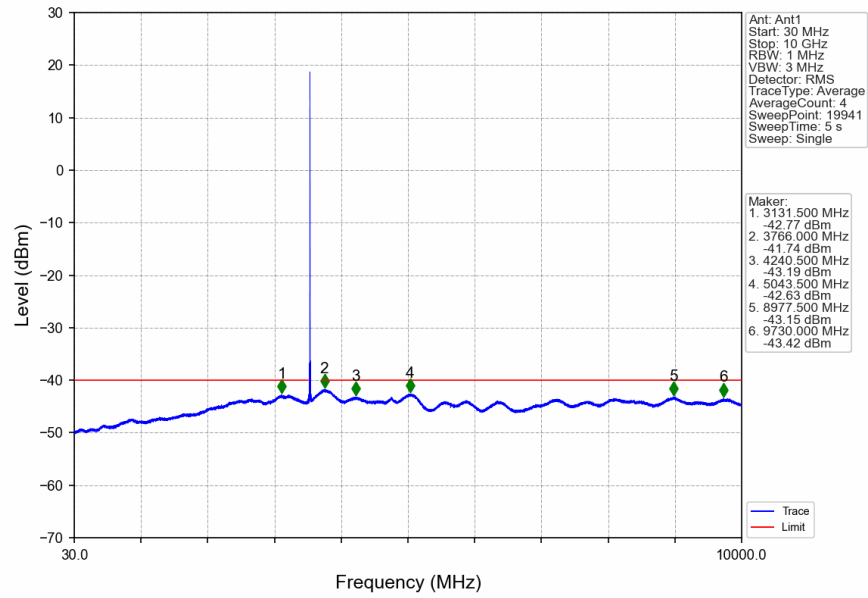
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3684.204	1	8.24	1	3523.556	-43.23	-40	Pass
3684.204	3685.204	0.15	0	2	3685.200	-33.91	-13	Pass
3685.204	3699.796	0.15	0	/	/	/	/	/
3699.796	3700.796	0.15	0	3	3699.816	-34.58	-13	Pass
3700.796	3730	1	8.24	4	3721.901	-41.09	-40	Pass

Band48_15MHz_16QAM_LCH_3557.5MHz_RB_1_0_NTNV

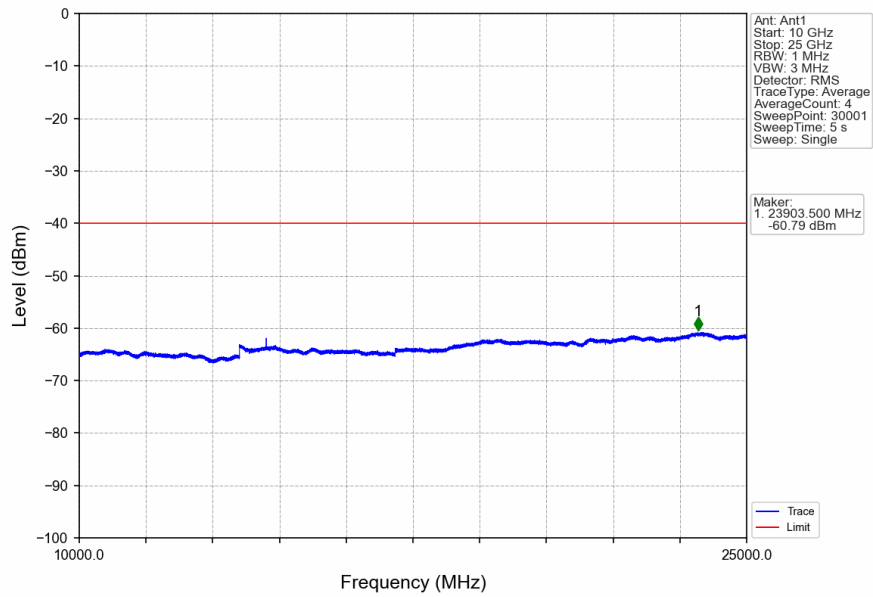


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3548.735	1	7.96	1	3527.217	-42.62	-40	Pass
3548.735	3549.735	0.16	0	2	3549.638	-32.47	-13	Pass
3549.735	3565.265	0.16	0	/	/	/	/	/
3565.265	3566.265	0.16	0	3	3565.703	-49.79	-13	Pass
3566.265	3730	1	7.96	4	3726.339	-42.51	-40	Pass

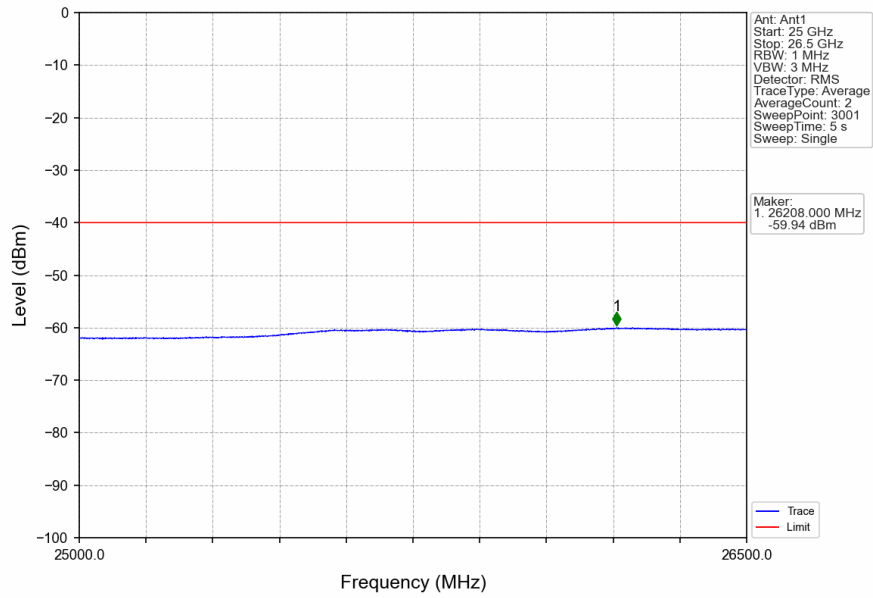
Band48 15MHz 16QAM LCH 3557.5MHz RB 1 0 NTNV



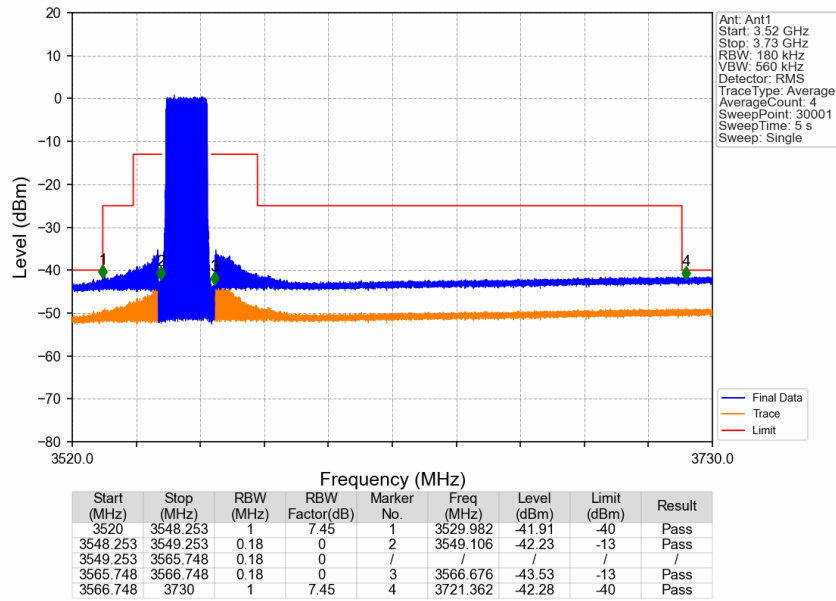
Band48 15MHz 16QAM LCH 3557.5MHz RB 1 0 NTNV



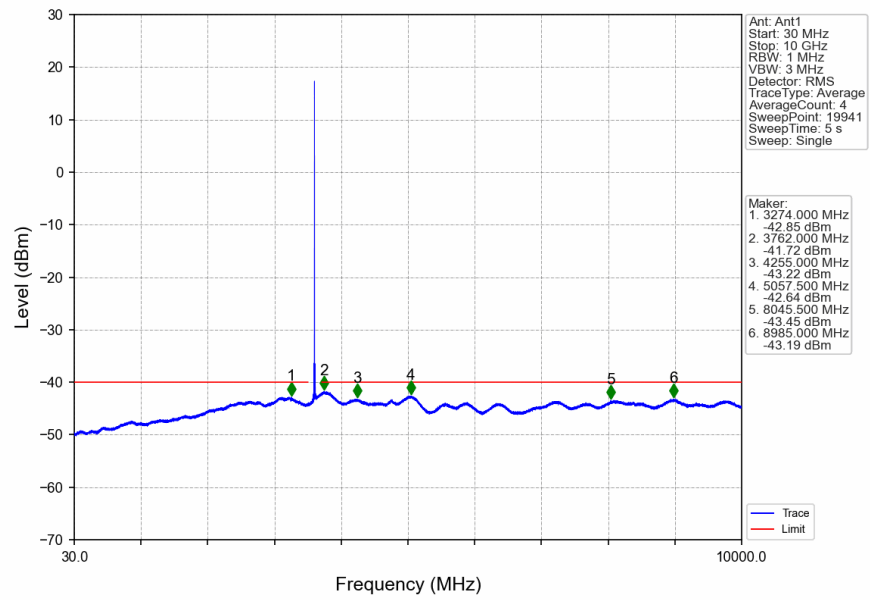
Band48 15MHz 16QAM LCH 3557.5MHz RB 1 0 NTN



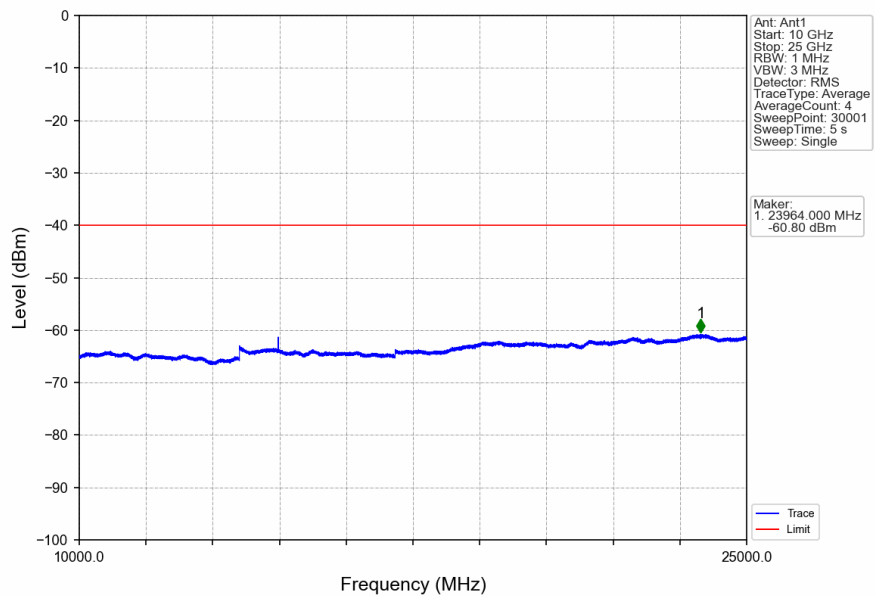
Band48 15MHz 16QAM LCH 3557.5MHz RB 75 0 NTN



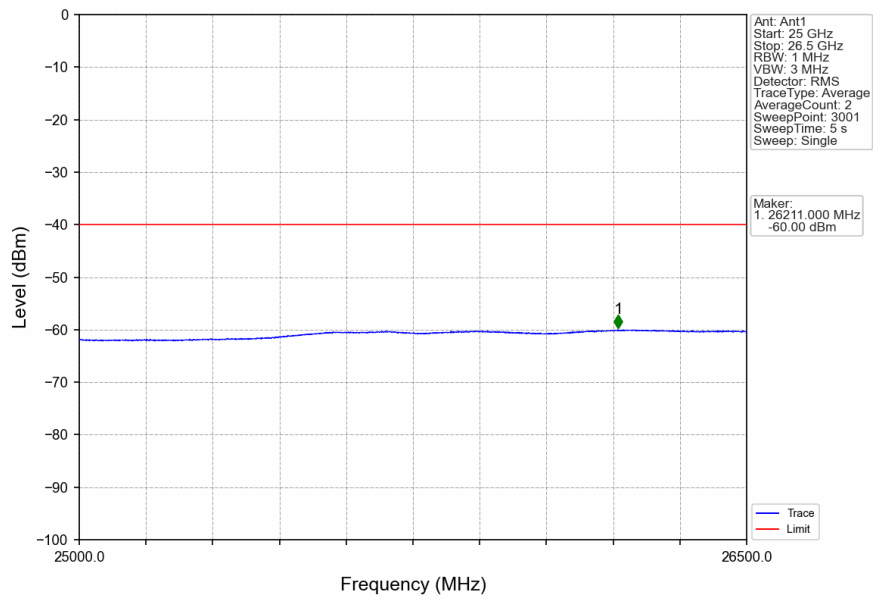
Band48_15MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



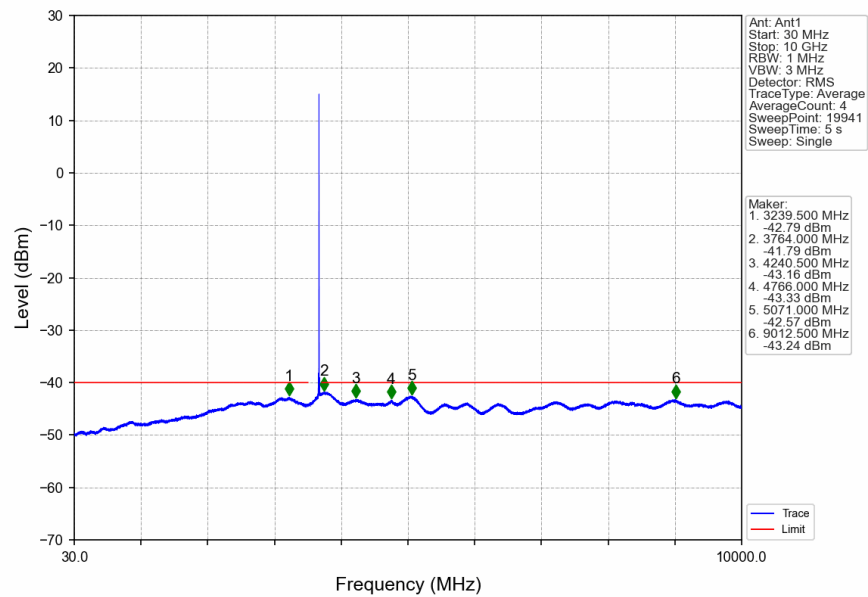
Band48_15MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



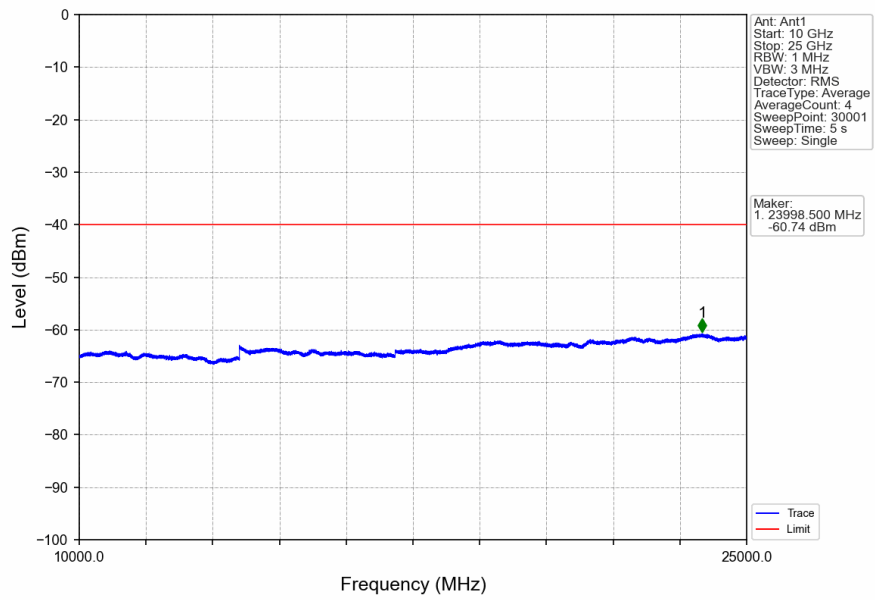
Band48_15MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



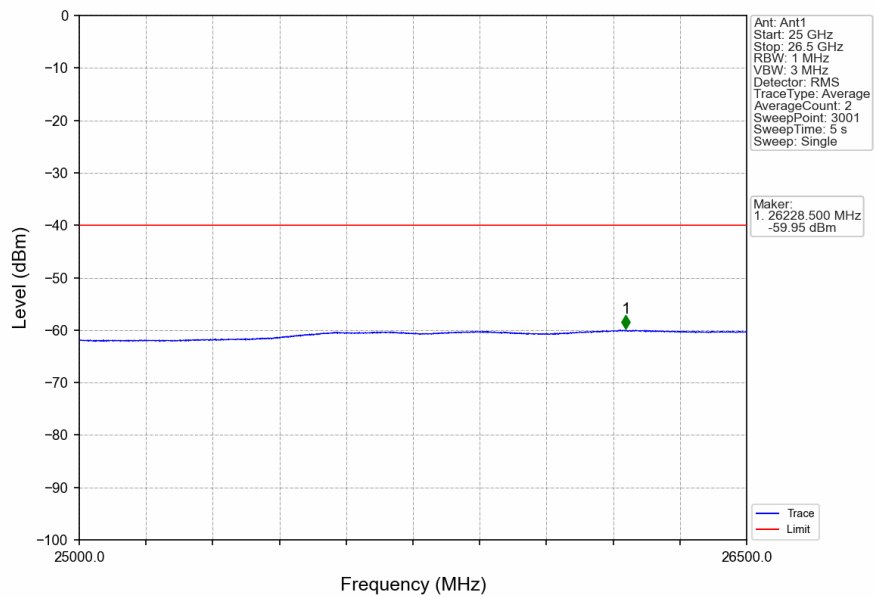
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_1_0_NTNV



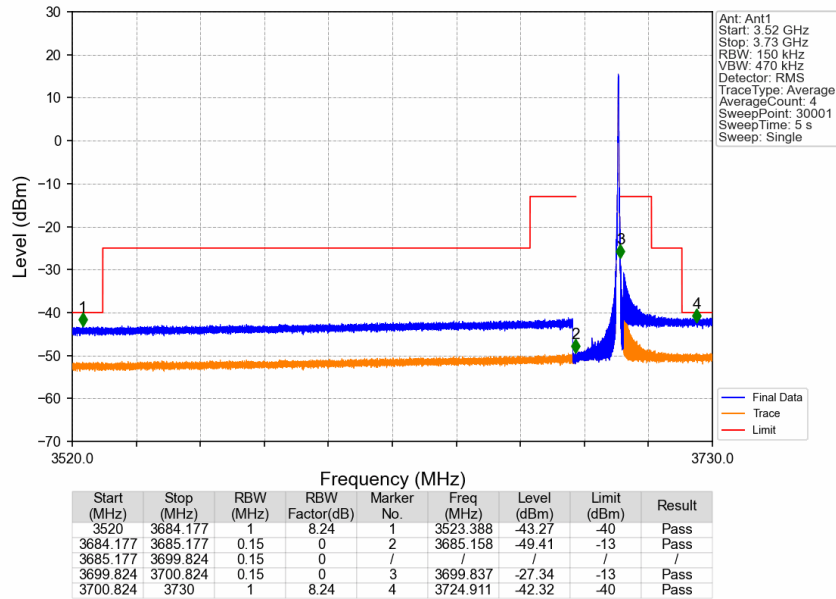
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_1_0_NTNV



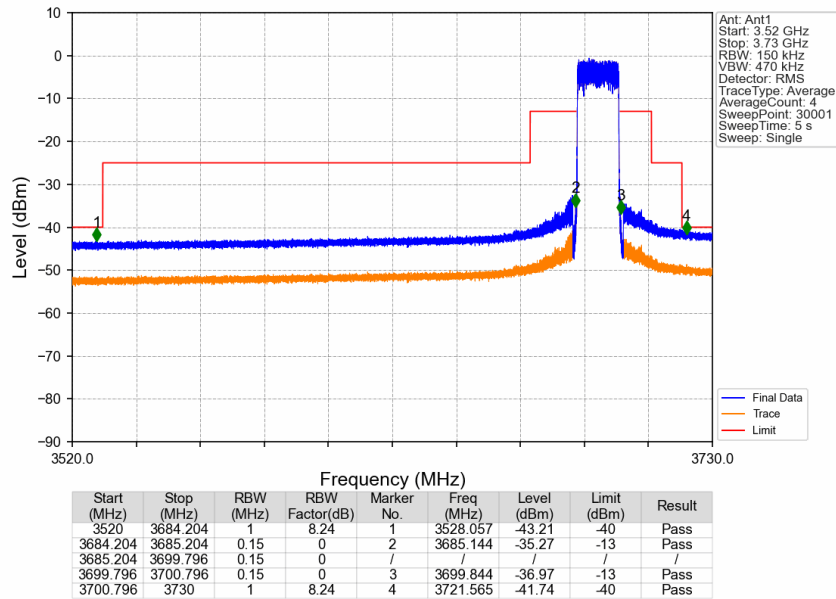
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_1_0_NTNV



Band48_15MHz_16QAM_HCH_3692.5MHz_RB_1_74_NTNV



Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV

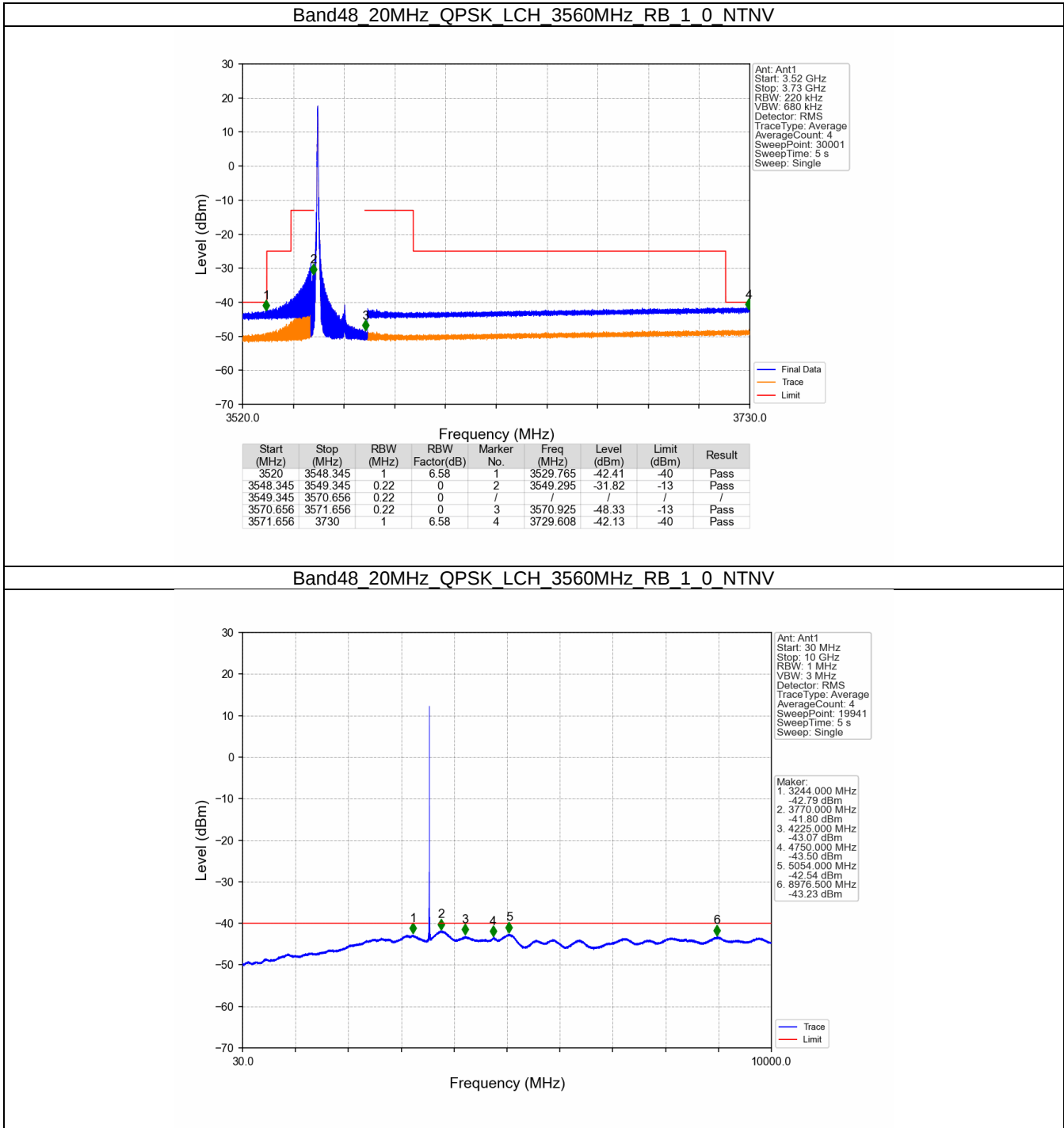


15.4 B48_20MHz

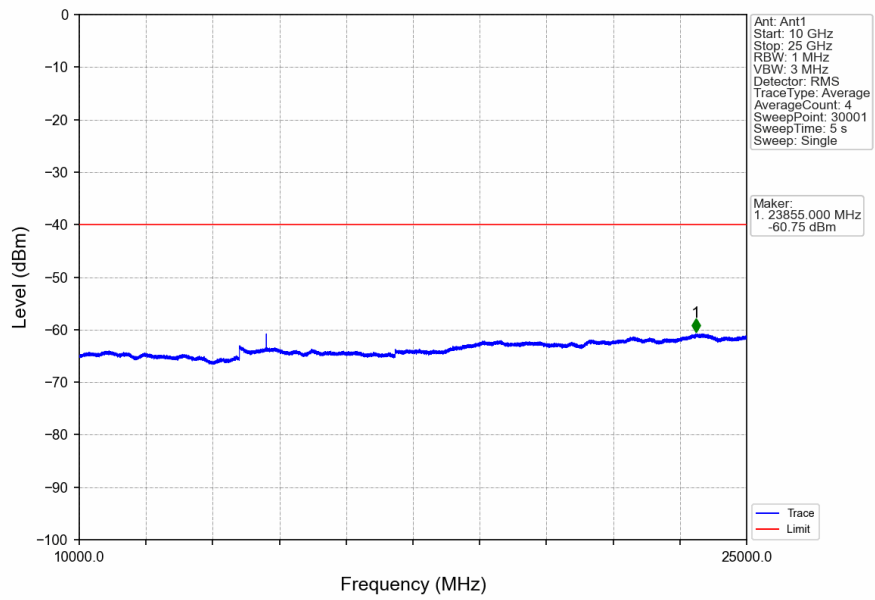
15.4.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	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
		100	0	Refer To Test Graph		Pass
	3625	1	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

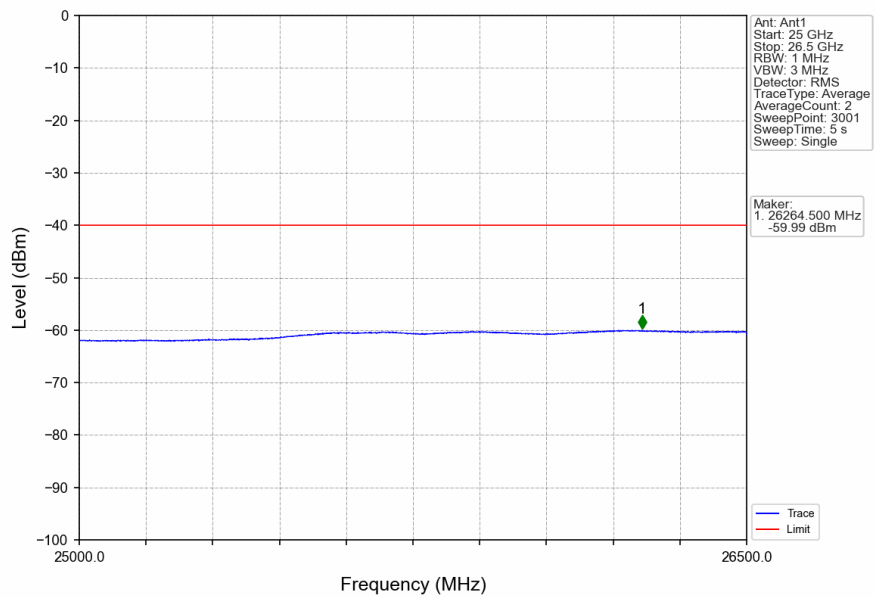
15.4.2 Test Graph



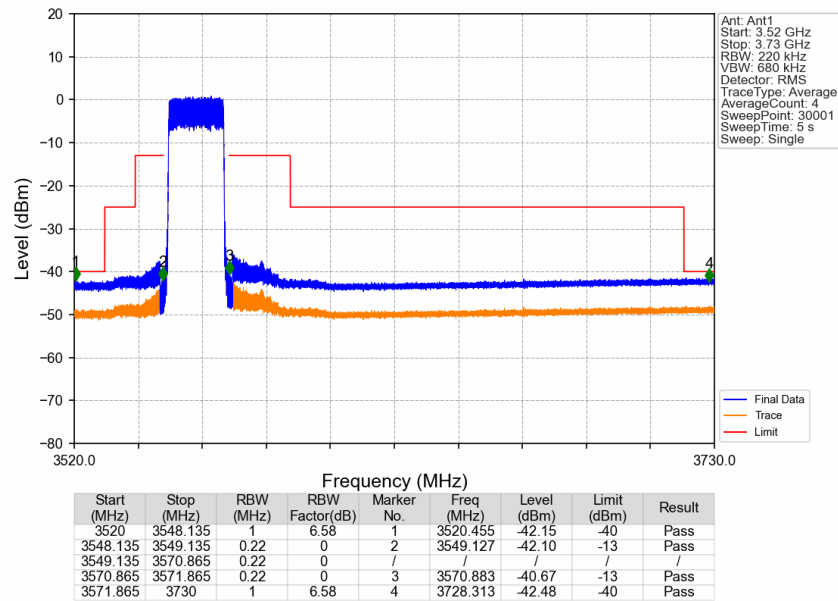
Band48 20MHz QPSK LCH 3560MHz RB 1 0 NTN



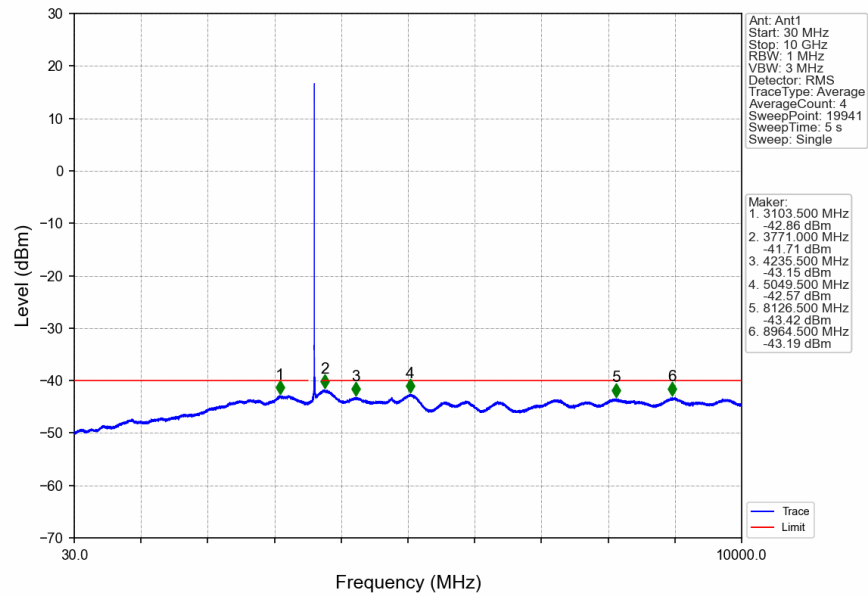
Band48 20MHz QPSK LCH 3560MHz RB 1 0 NTN



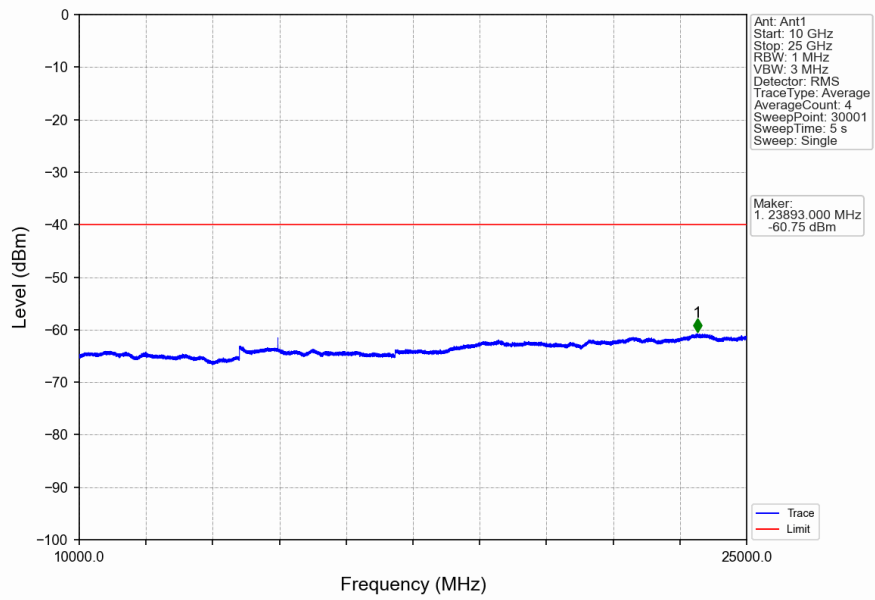
Band48 20MHz QPSK LCH 3560MHz RB 100 0 NTNV



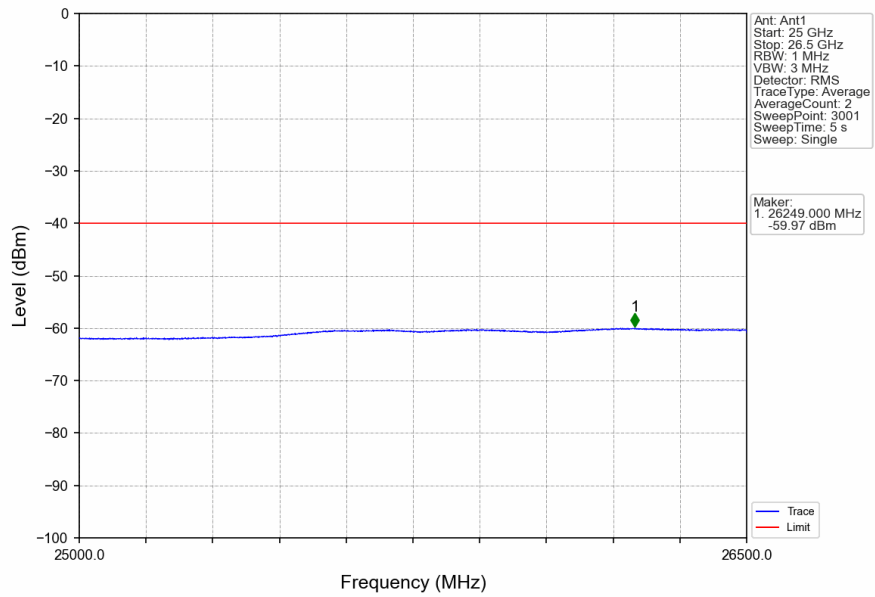
Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTNV



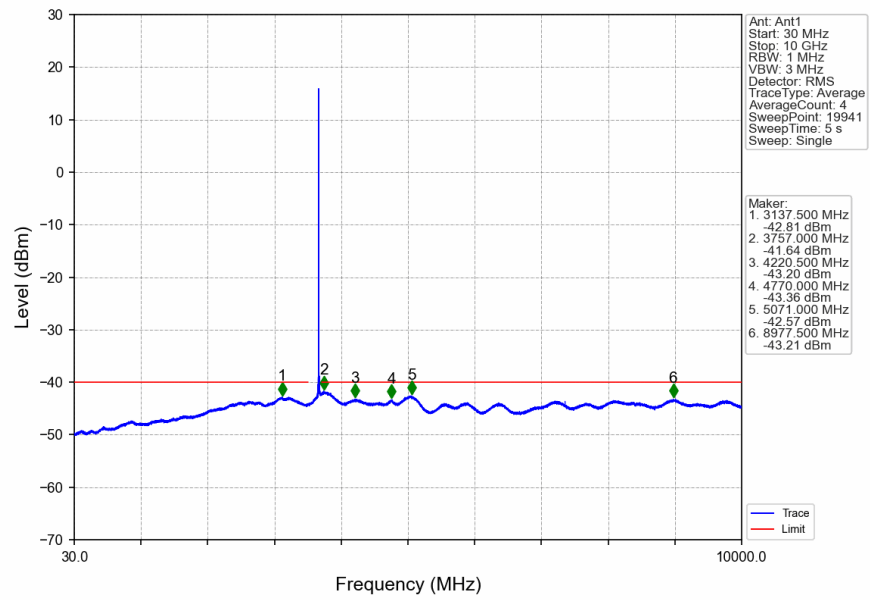
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



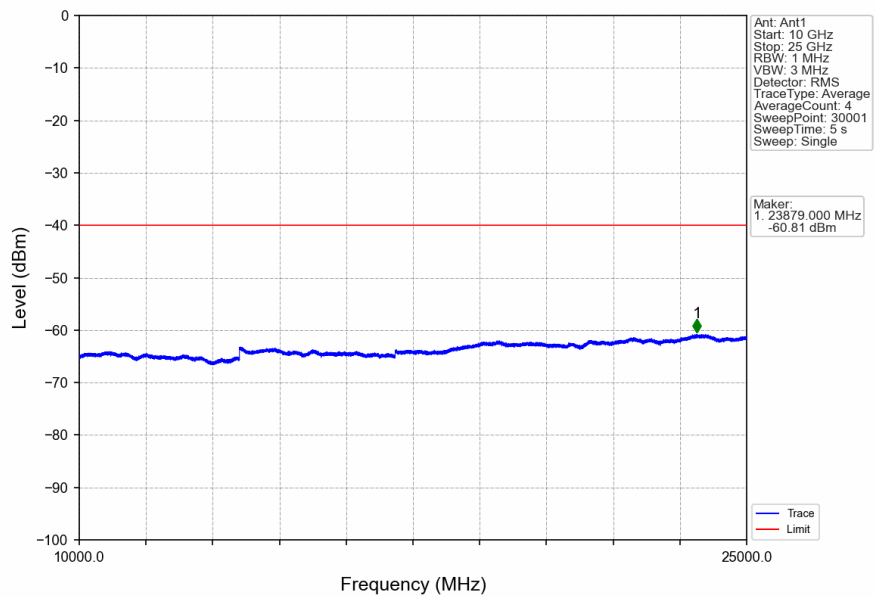
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



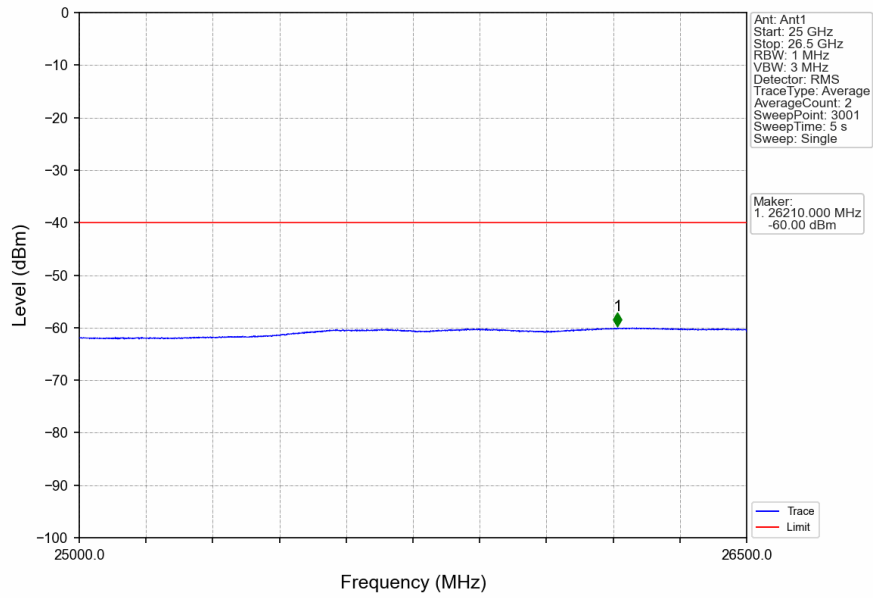
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



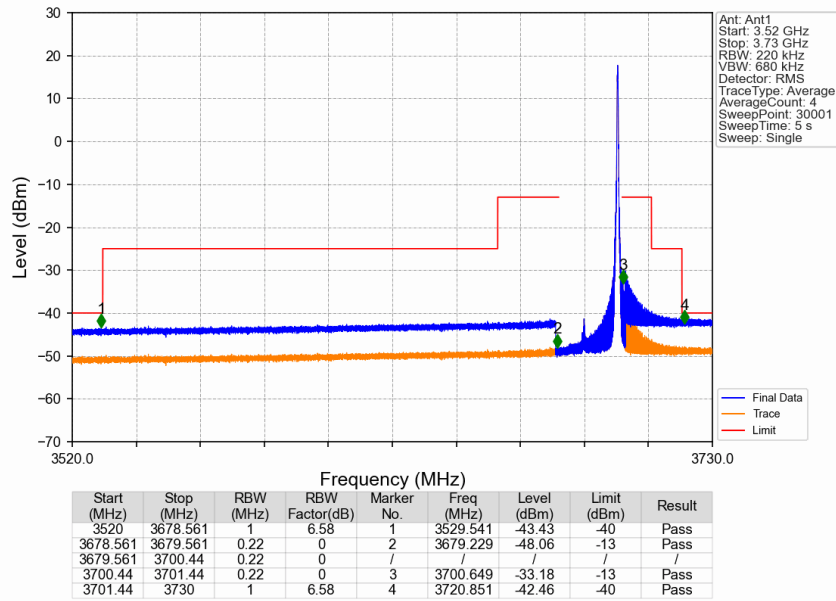
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



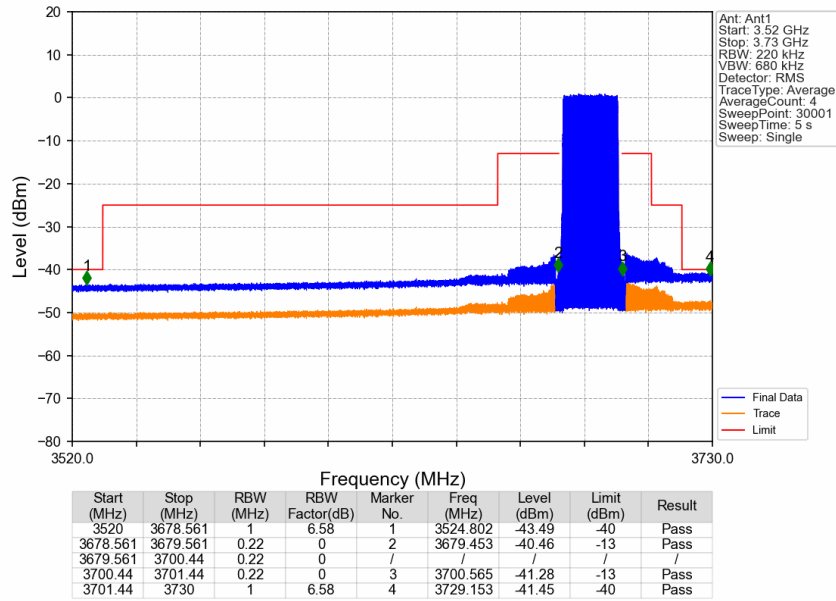
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



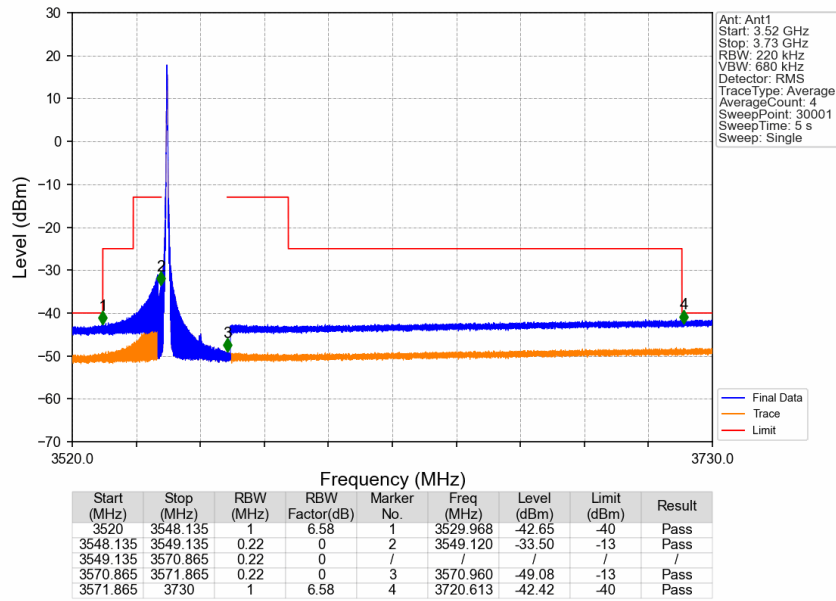
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_99_NTNV



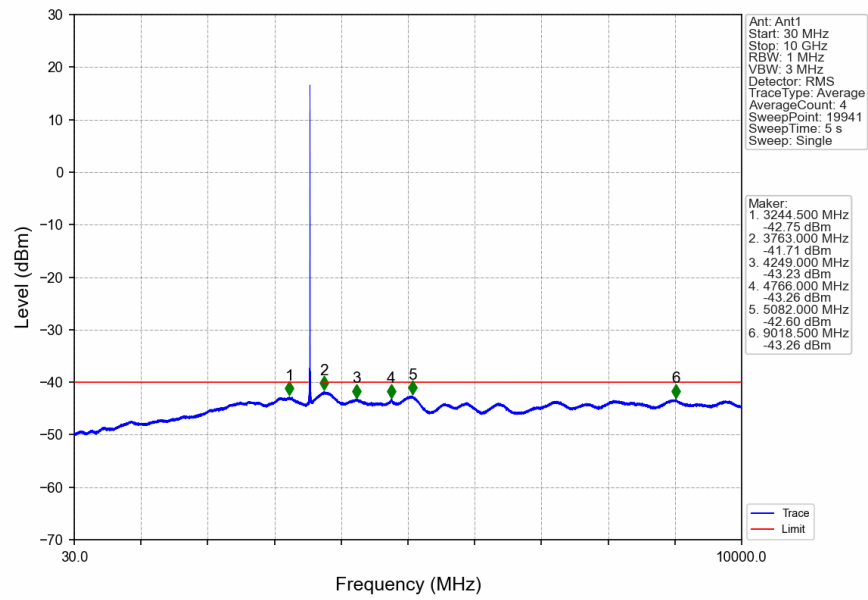
Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTN



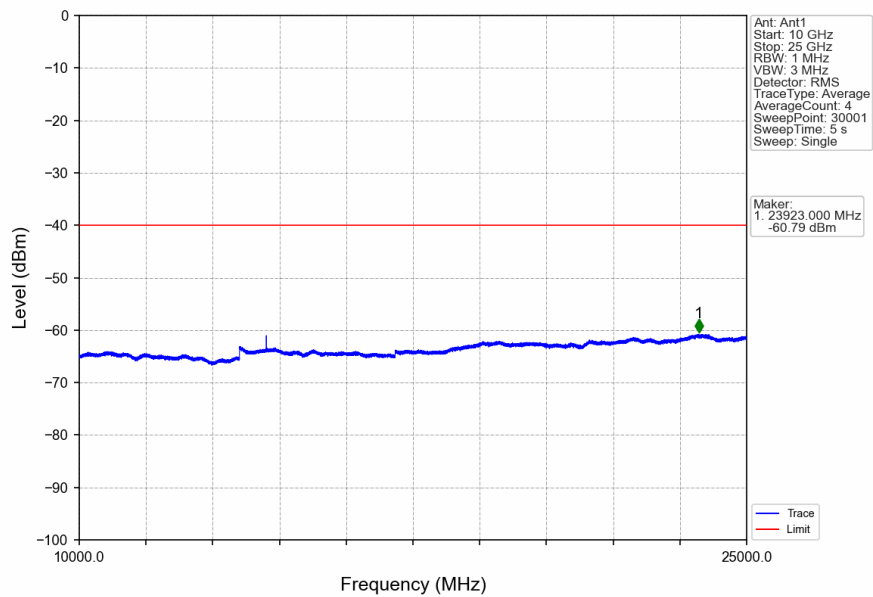
Band48 20MHz 16QAM LCH 3560MHz RB 1 0 NTN



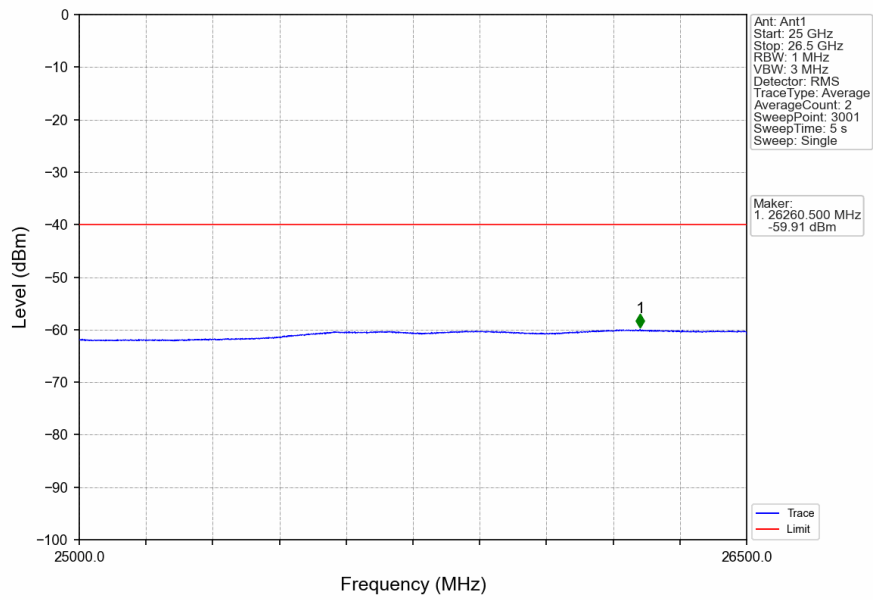
Band48_20MHz_16QAM_LCH_3560MHz_RB_1_0_NTNV



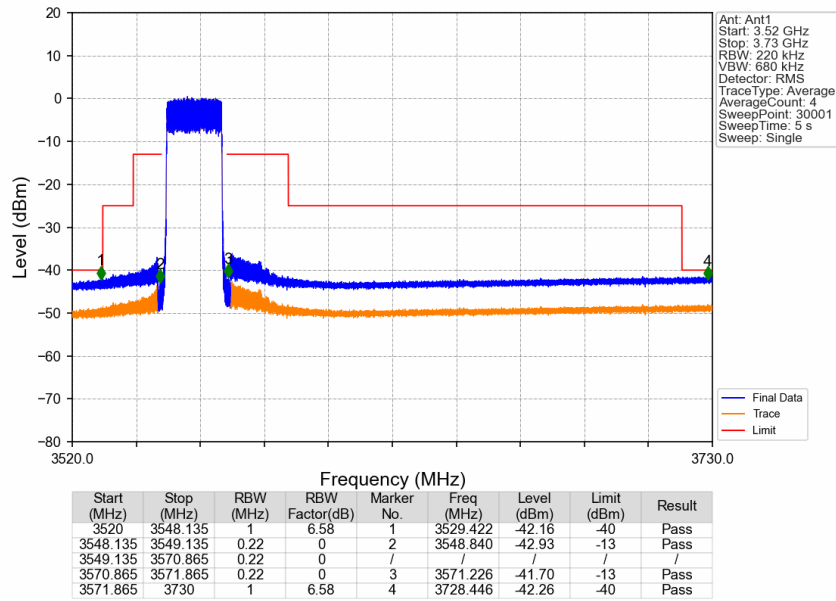
Band48_20MHz_16QAM_LCH_3560MHz_RB_1_0_NTNV



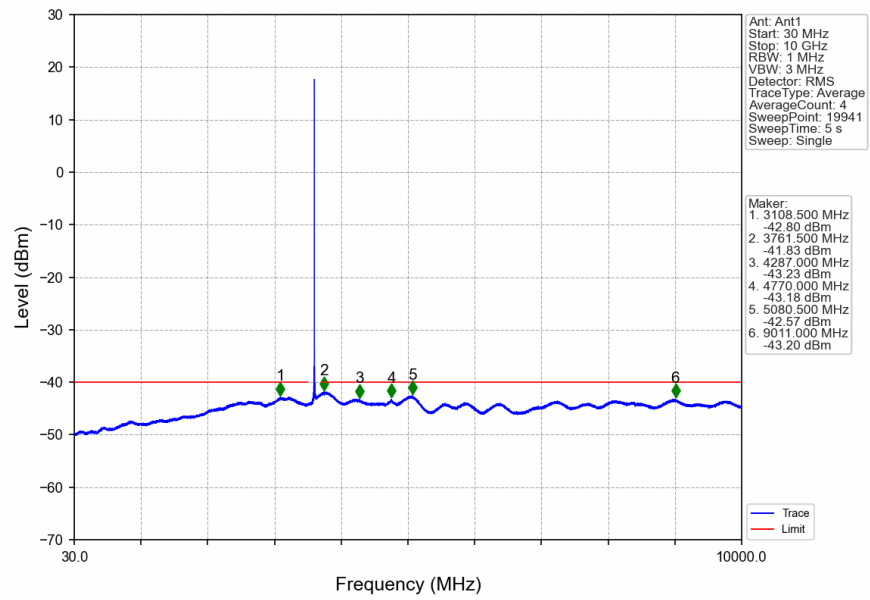
Band48 20MHz 16QAM LCH 3560MHz RB 1 0 NTNV



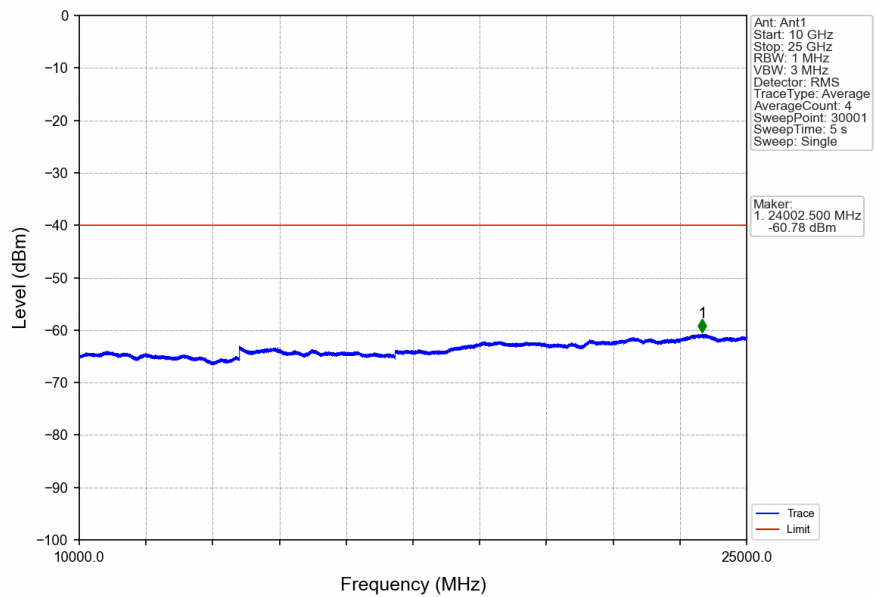
Band48 20MHz 16QAM LCH 3560MHz RB 100 0 NTNV



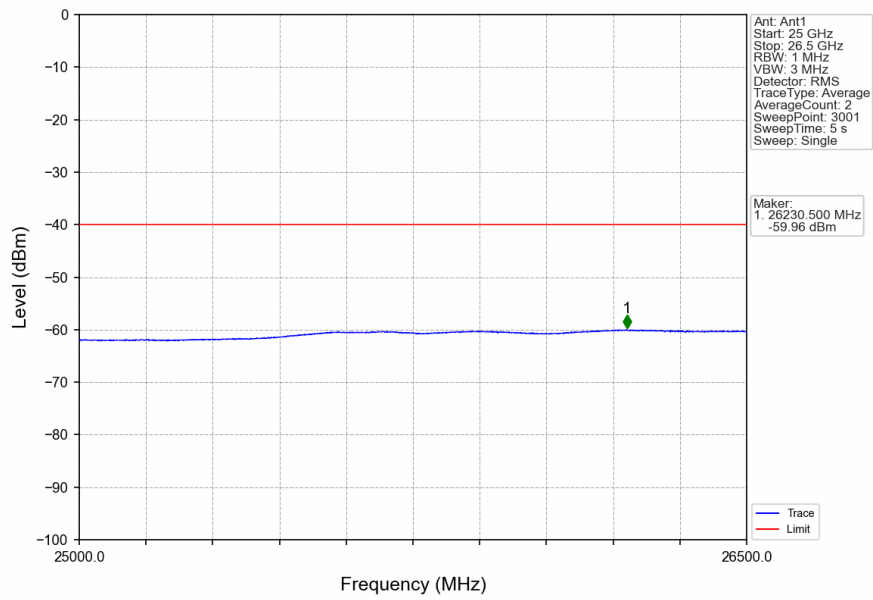
Band48_20MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



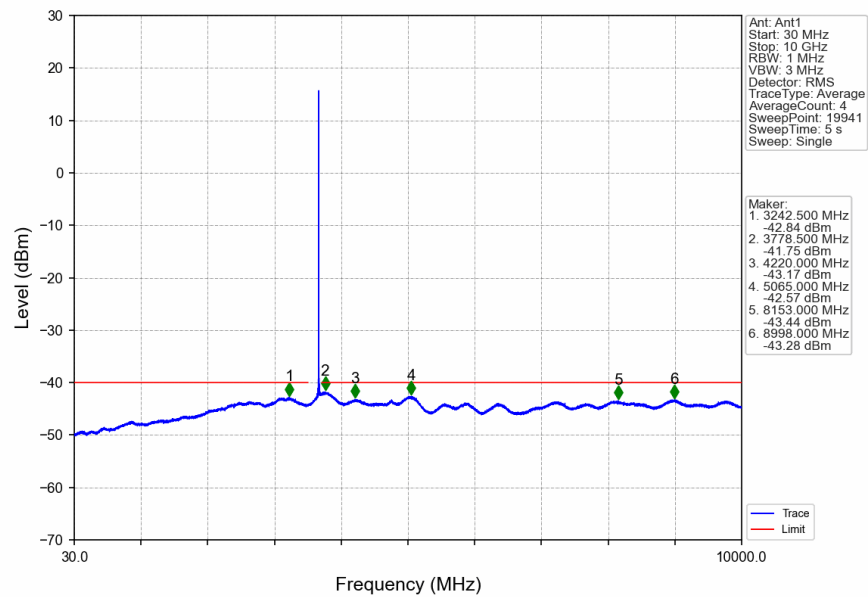
Band48_20MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



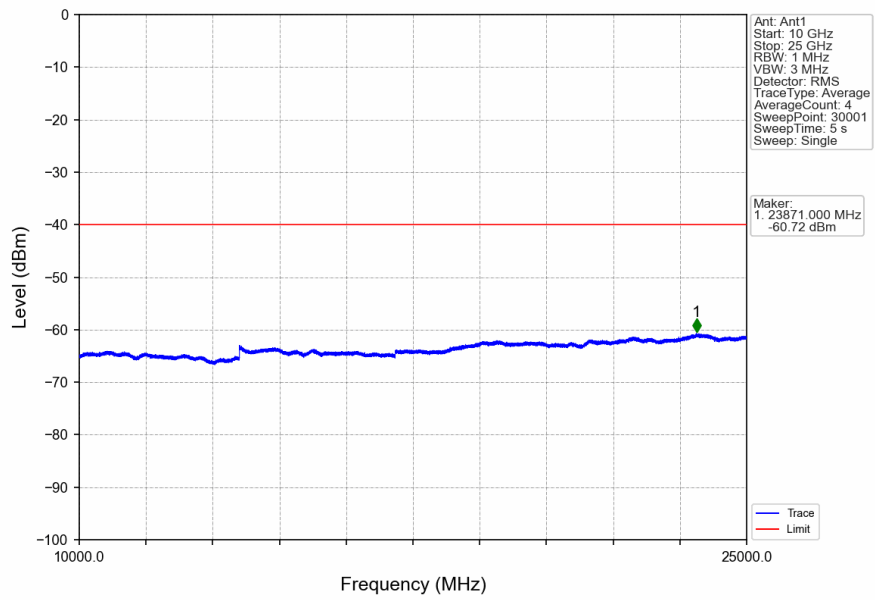
Band48_20MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



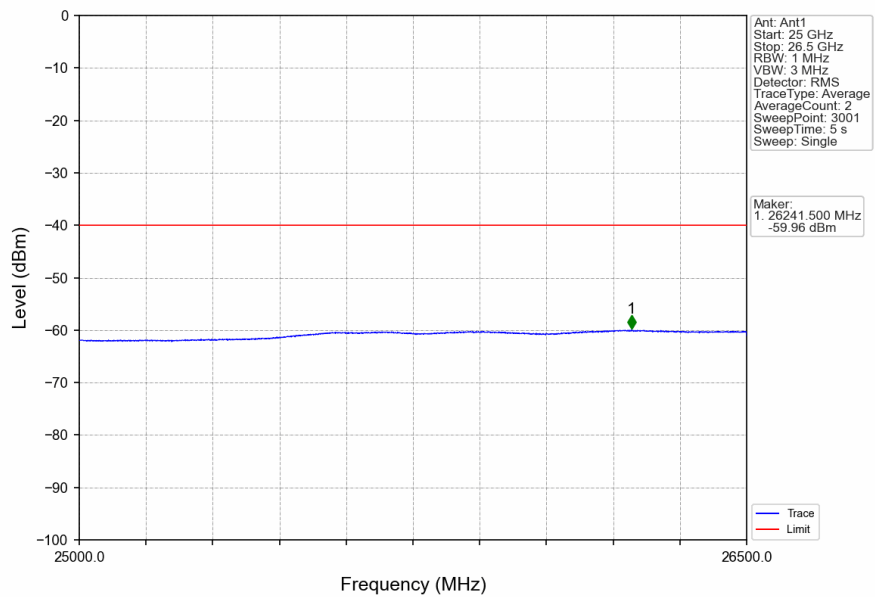
Band48_20MHz_16QAM_HCH_3690MHz_RB_1_0_NTNV



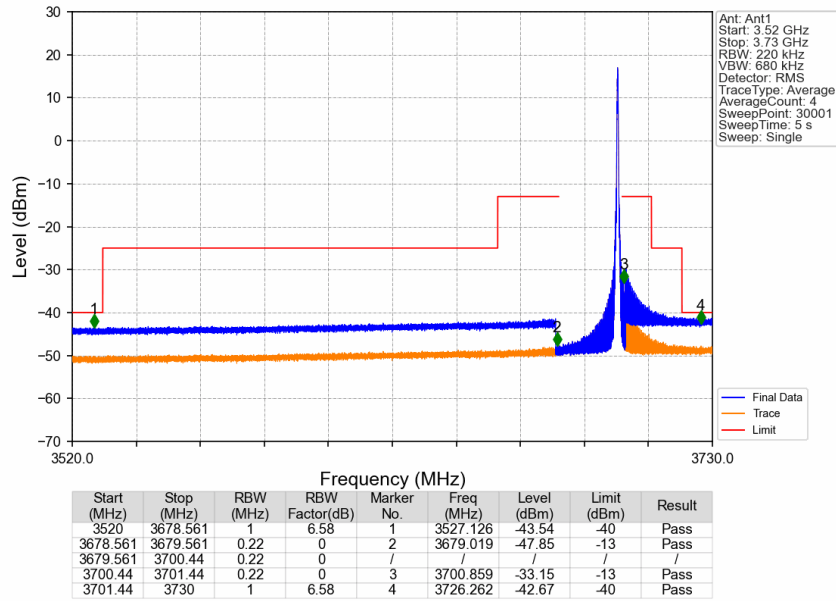
Band48_20MHz_16QAM_HCH_3690MHz_RB_1_0_NTNV



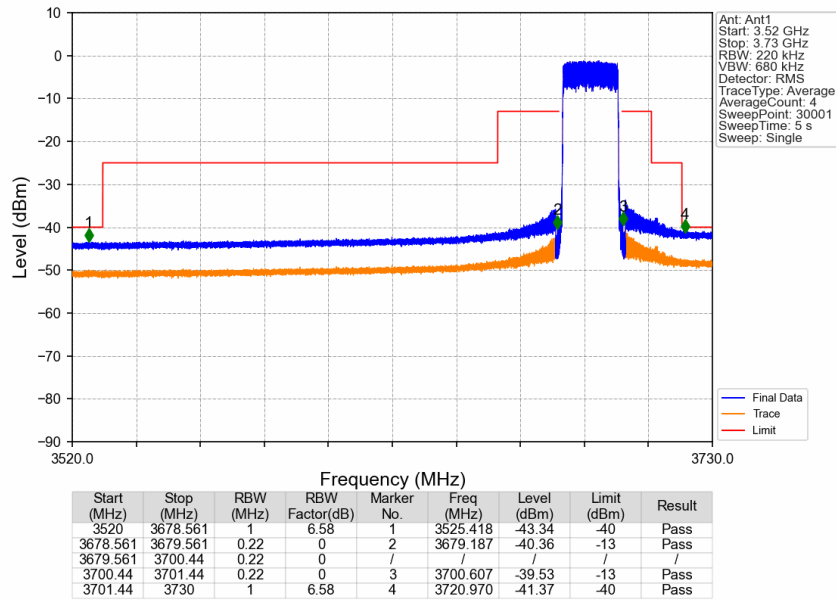
Band48_20MHz_16QAM_HCH_3690MHz_RB_1_0_NTNV



Band48 20MHz 16QAM HCH 3690MHz RB 1 99 NTNV



Band48 20MHz 16QAM HCH 3690MHz RB 100 0 NTNV



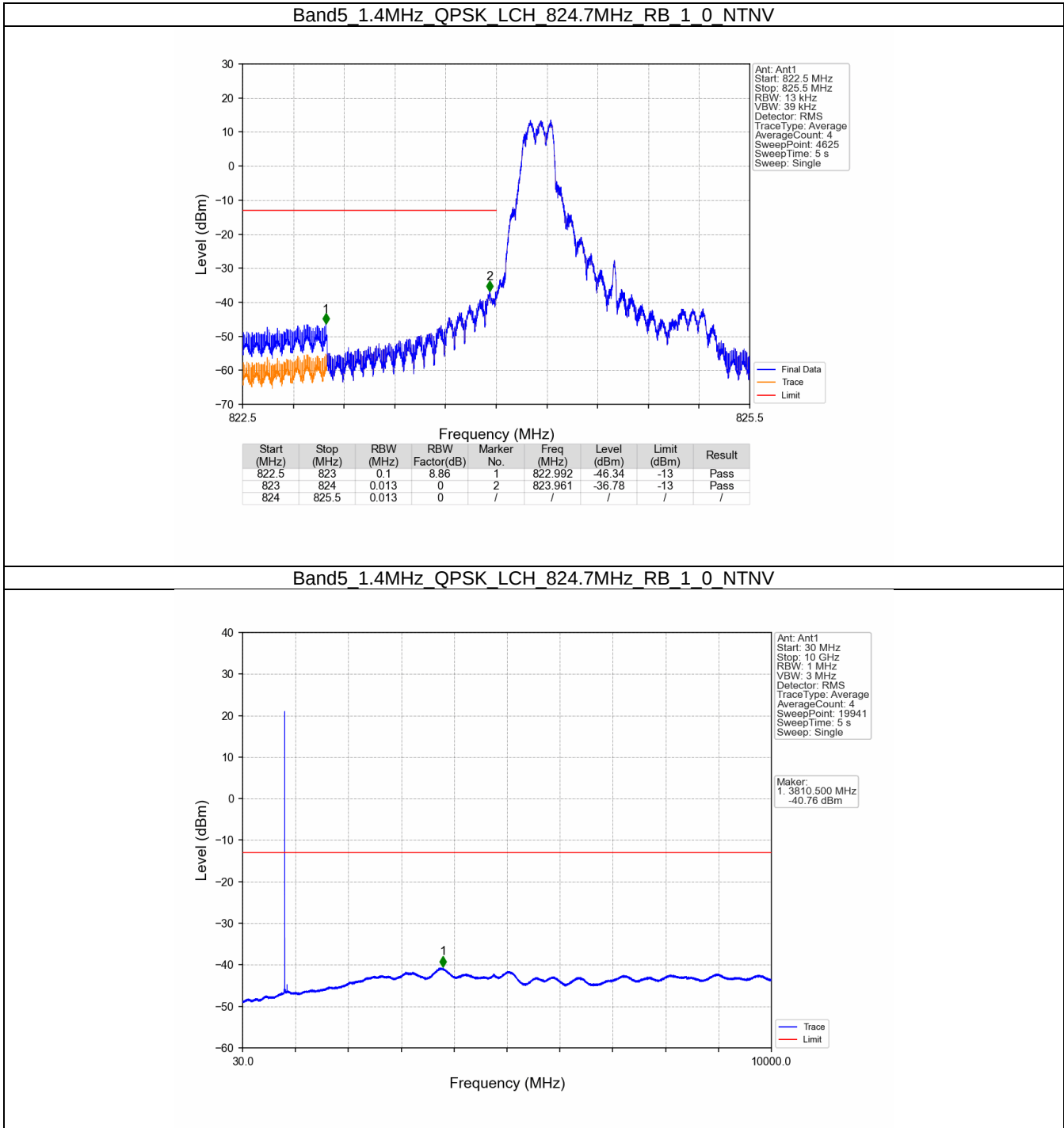
16. Spurious Emission

16.1 B5_1.4MHz

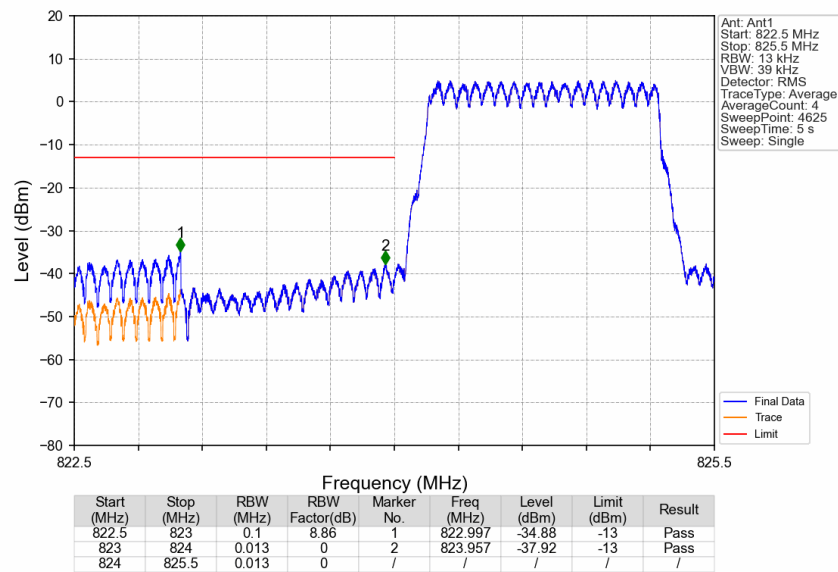
16.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

16.1.2 Test Graph



Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV

