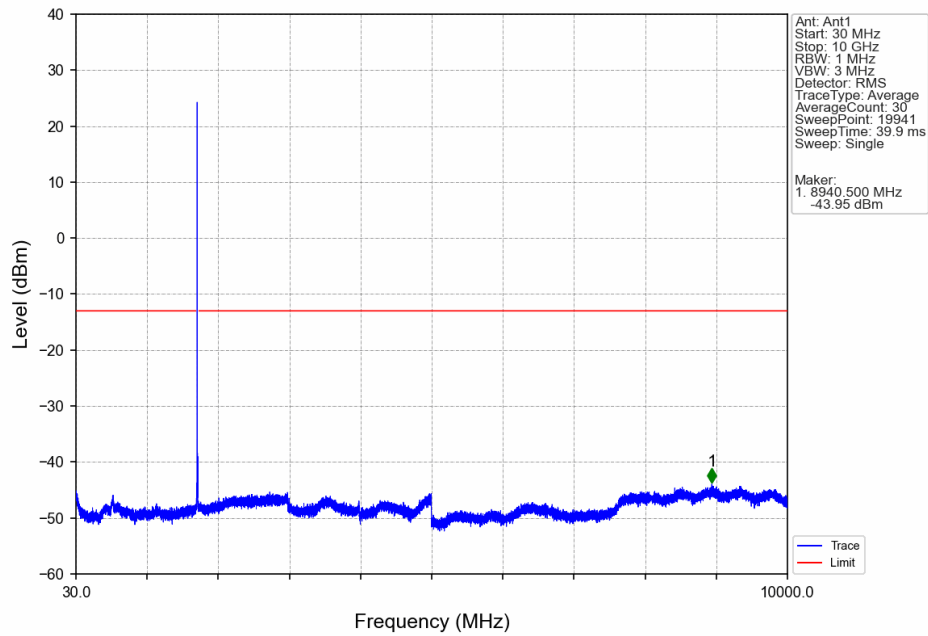


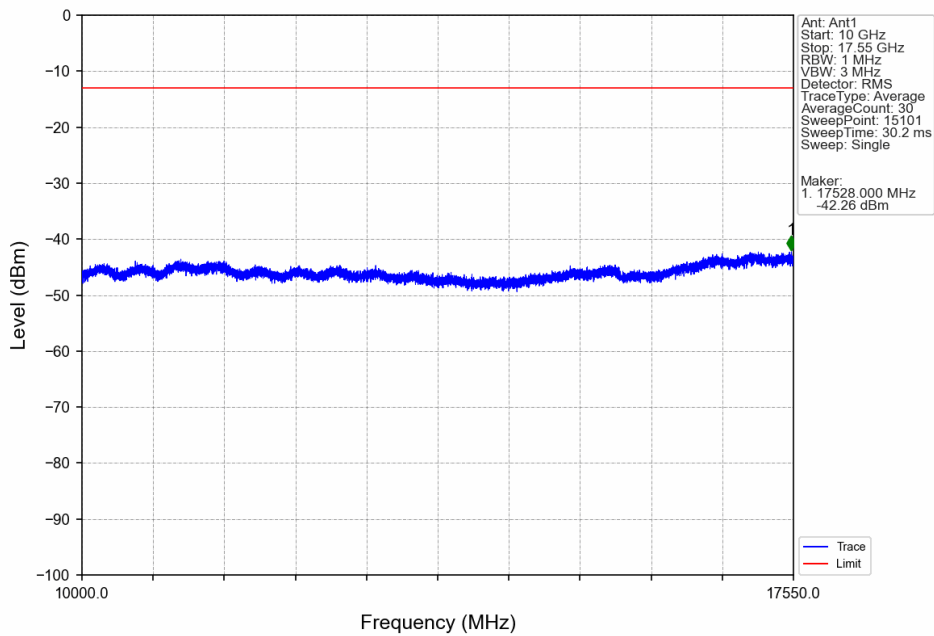


Test Report No.: RF260330B003

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

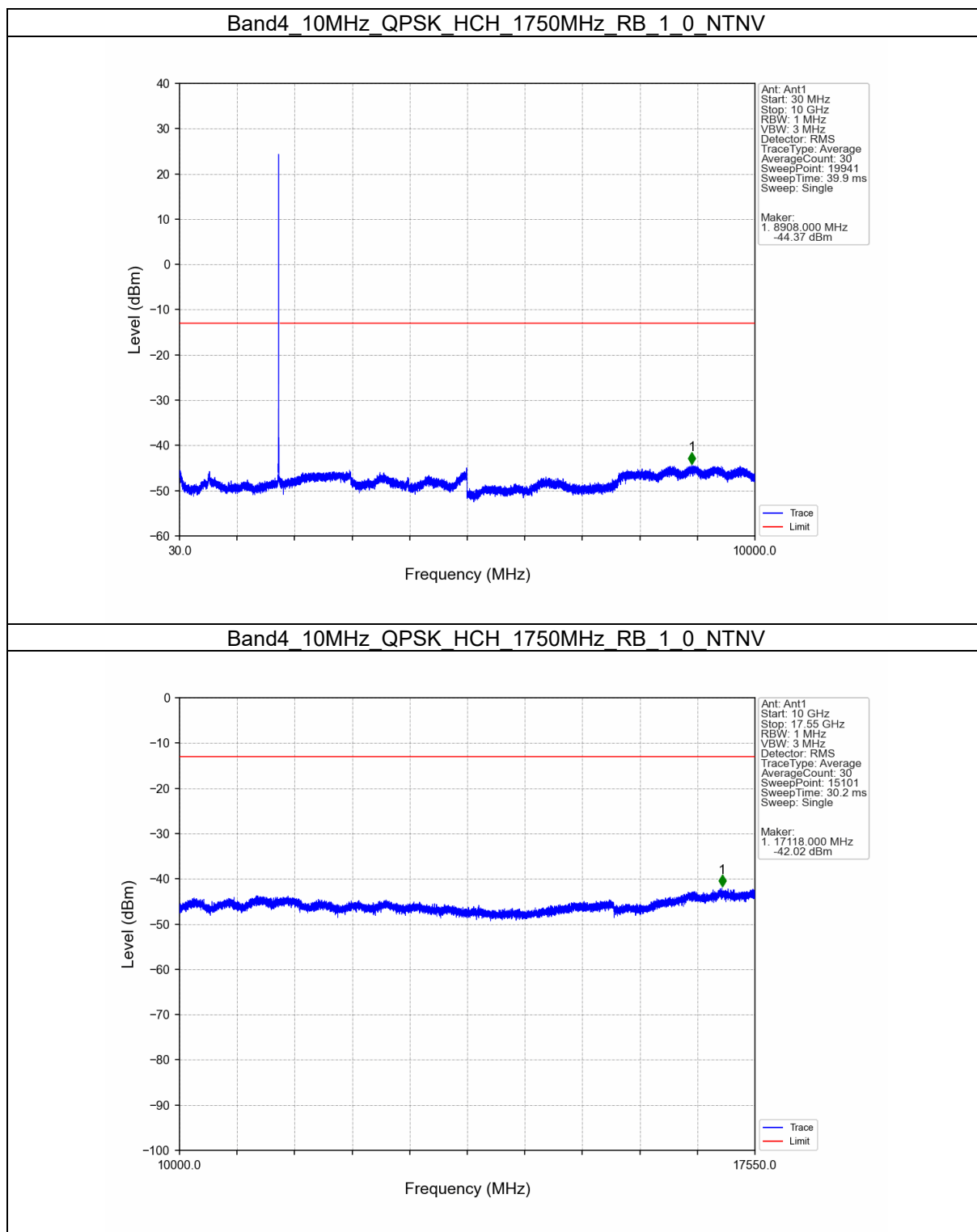


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV





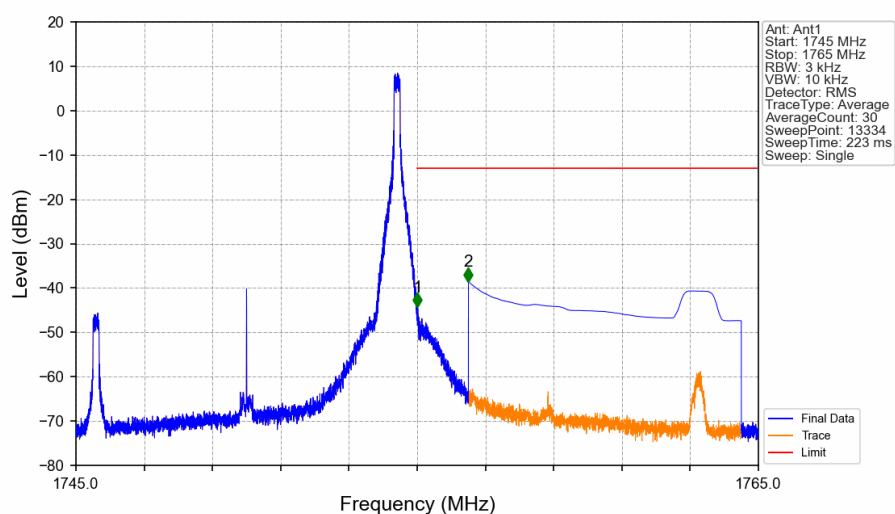
Test Report No.: RF260330B003





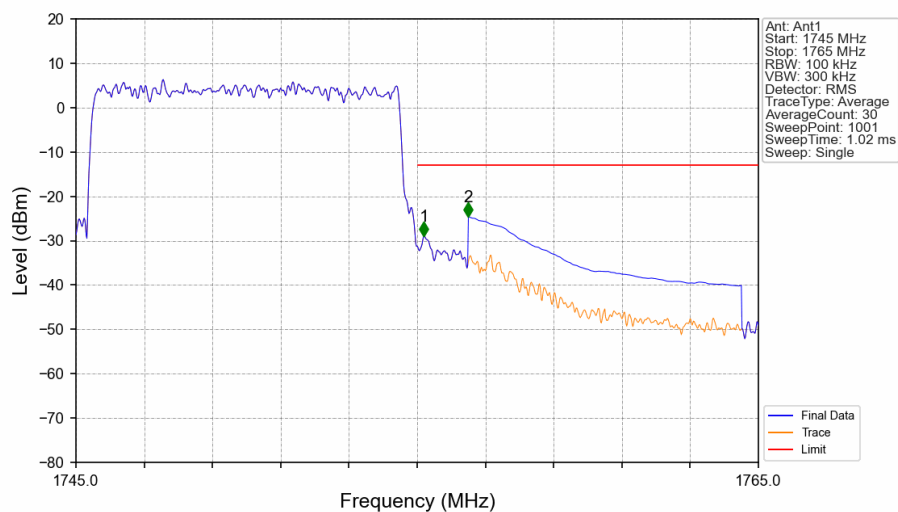
Test Report No.: RF260330B003

Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.004	-44.27	-13	Pass
1756	1765	1	CHP	2	1756.501	-38.51	-13	Pass

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

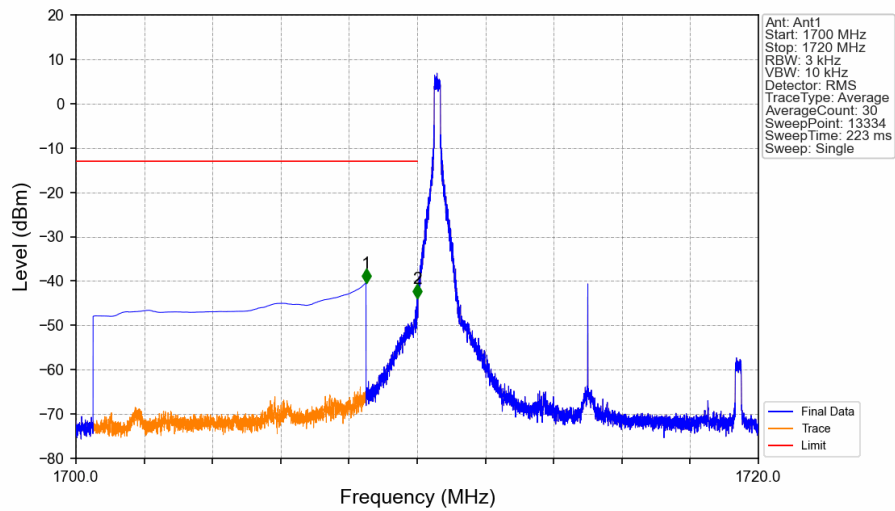


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.200	-28.89	-13	Pass
1756	1765	1	CHP	2	1756.500	-24.62	-13	Pass



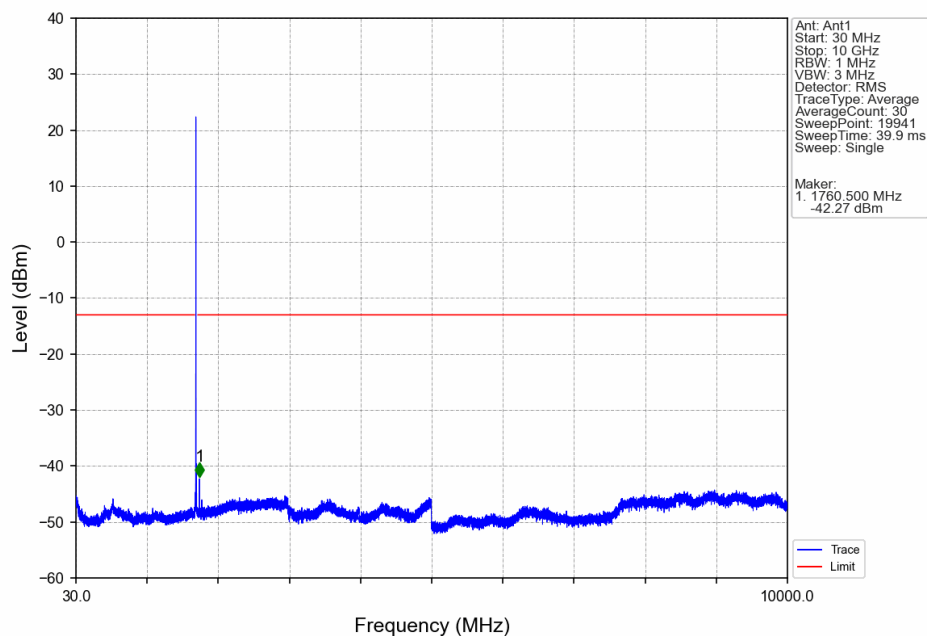
Test Report No.: RF260330B003

Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.499	-40.39	-13	Pass
1709	1710	0.003	/	2	1709.998	-43.80	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

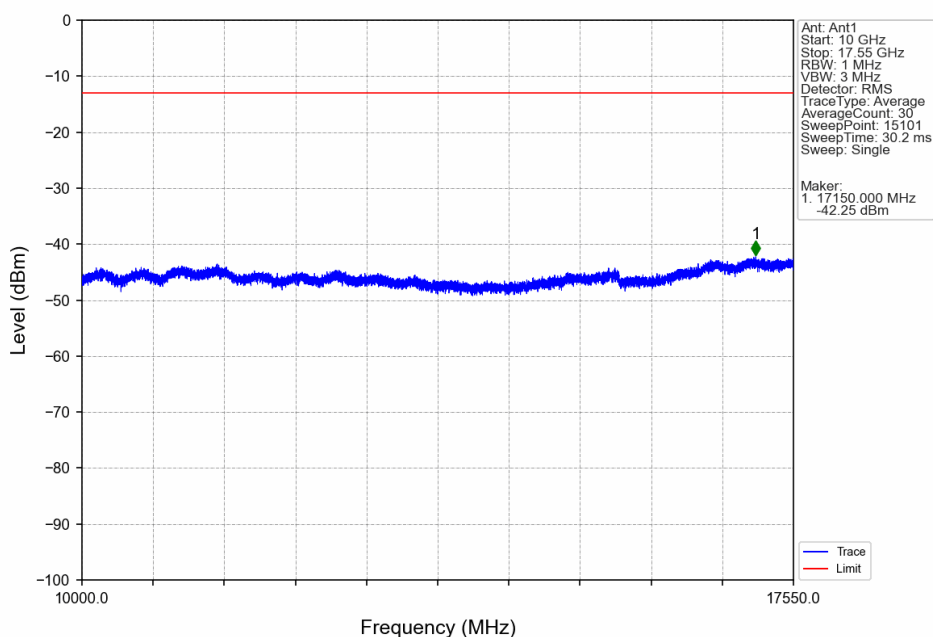
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



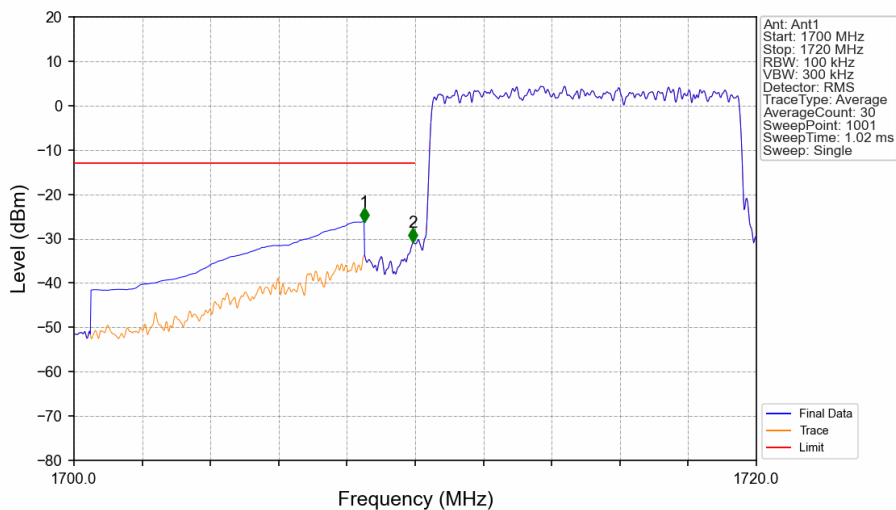


Test Report No.: RF260330B003

Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



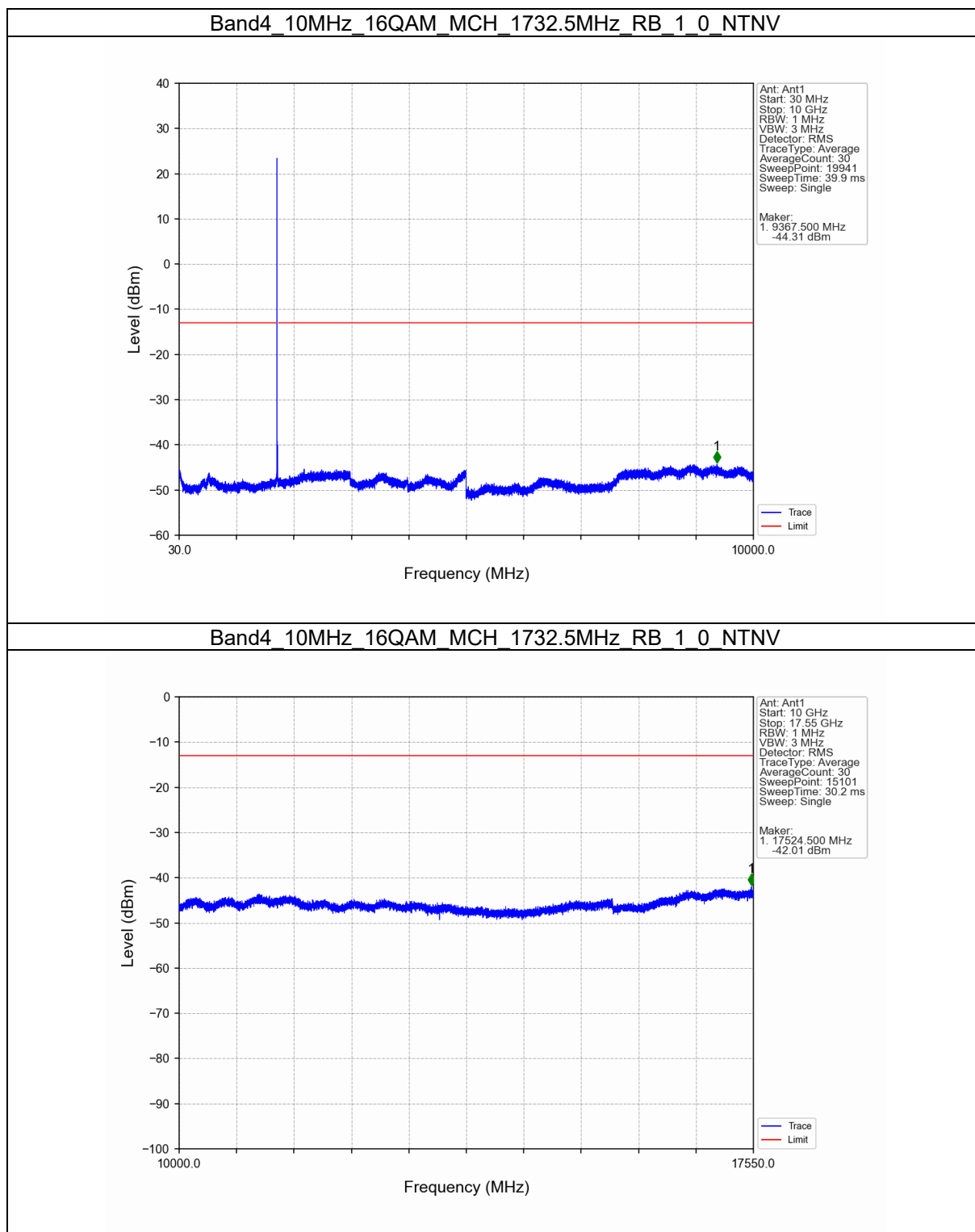
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.500	-26.13	-13	Pass
1709	1710	0.1	/	2	1709.940	-30.85	-13	Pass
1710	1720	0.1	/	/	/	/	/	/



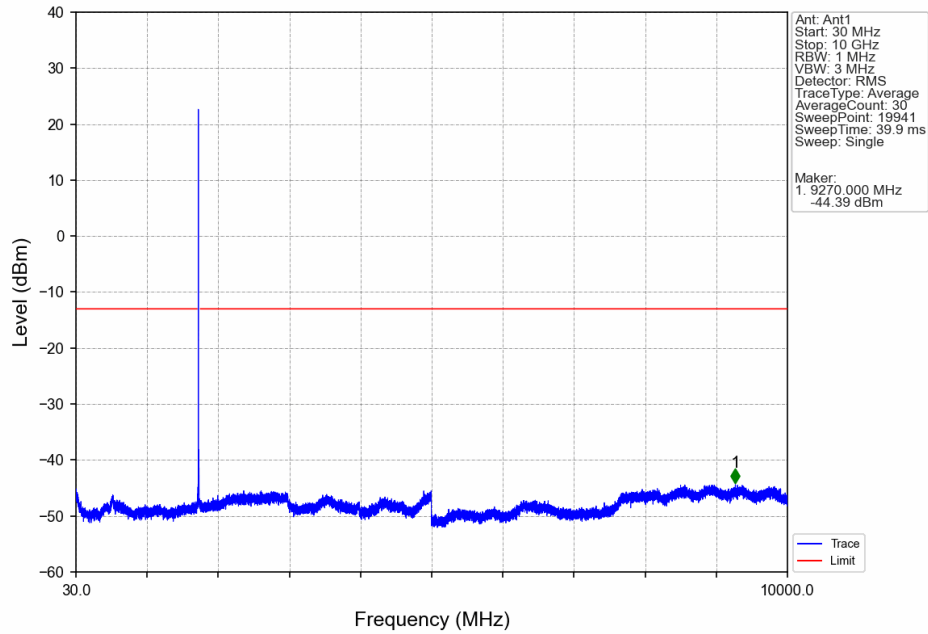
Test Report No.: RF260330B003



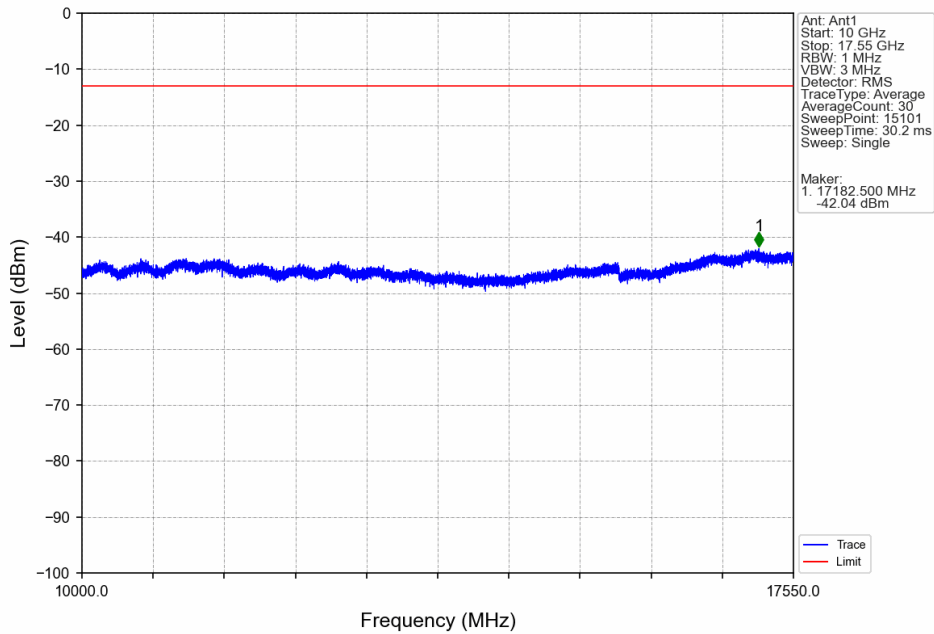


Test Report No.: RF260330B003

Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



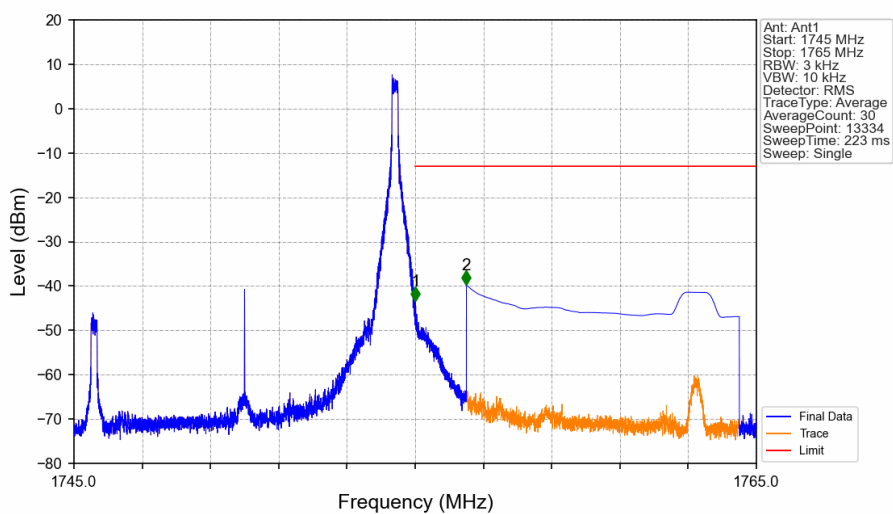
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV





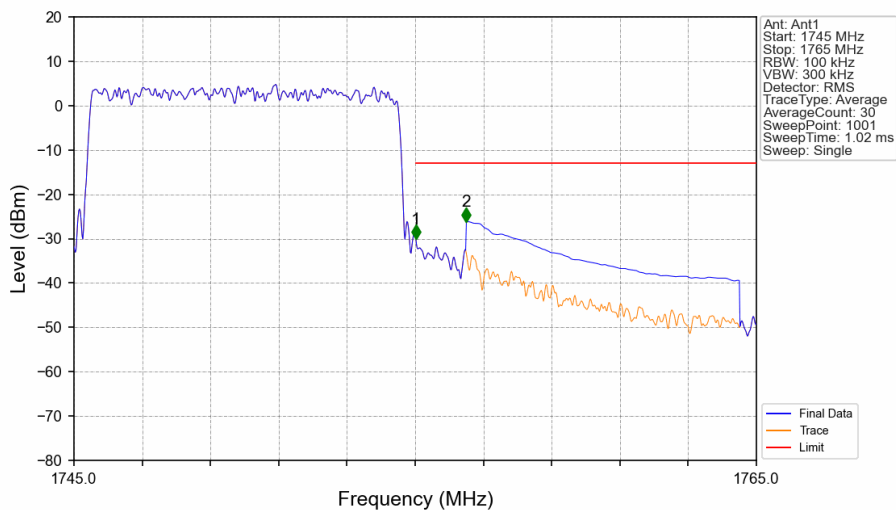
Test Report No.: RF260330B003

Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-43.27	-13	Pass
1756	1765	1	CHP	2	1756.501	-39.75	-13	Pass

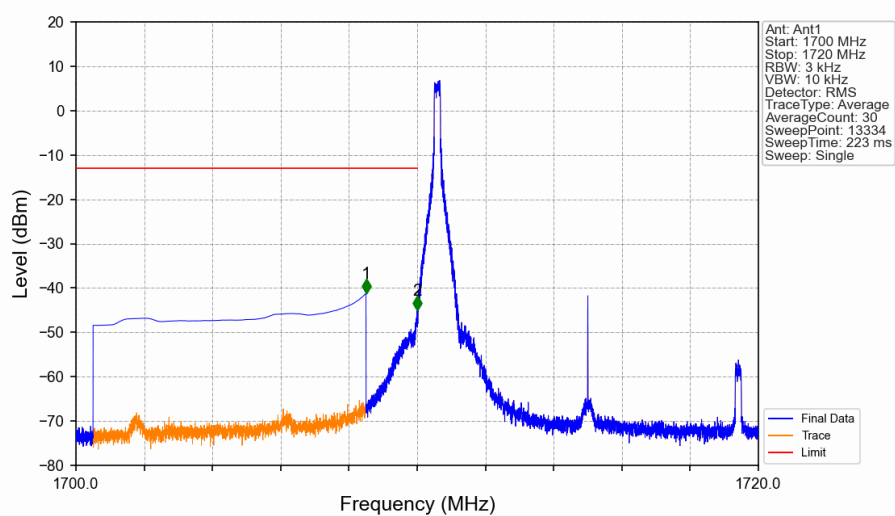
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.020	-30.11	-13	Pass
1756	1765	1	CHP	2	1756.500	-26.12	-13	Pass

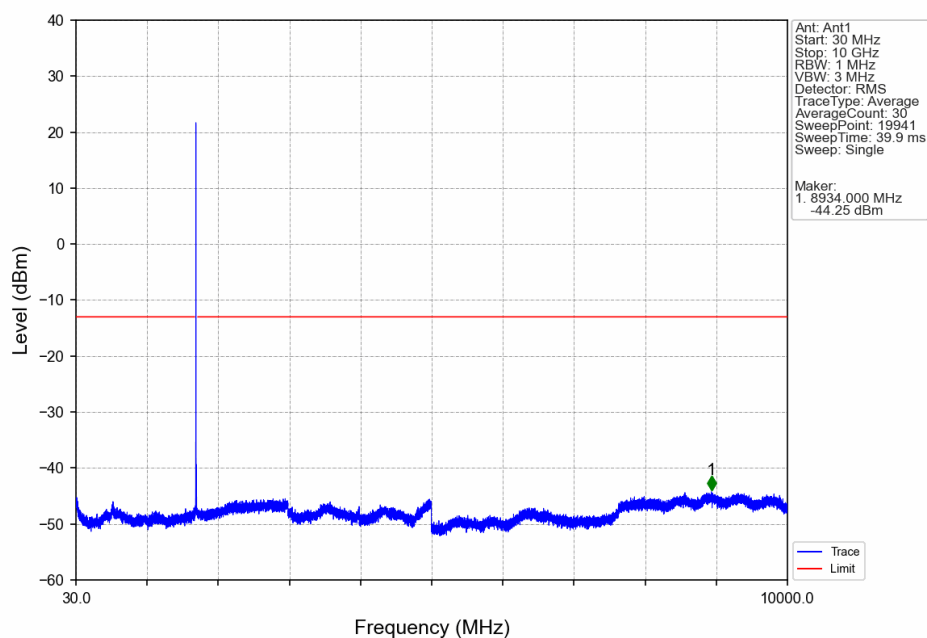
Test Report No.: RF260330B003

Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.499	-41.21	-13	Pass
1709	1710	0.003	/	2	1709.998	-44.91	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

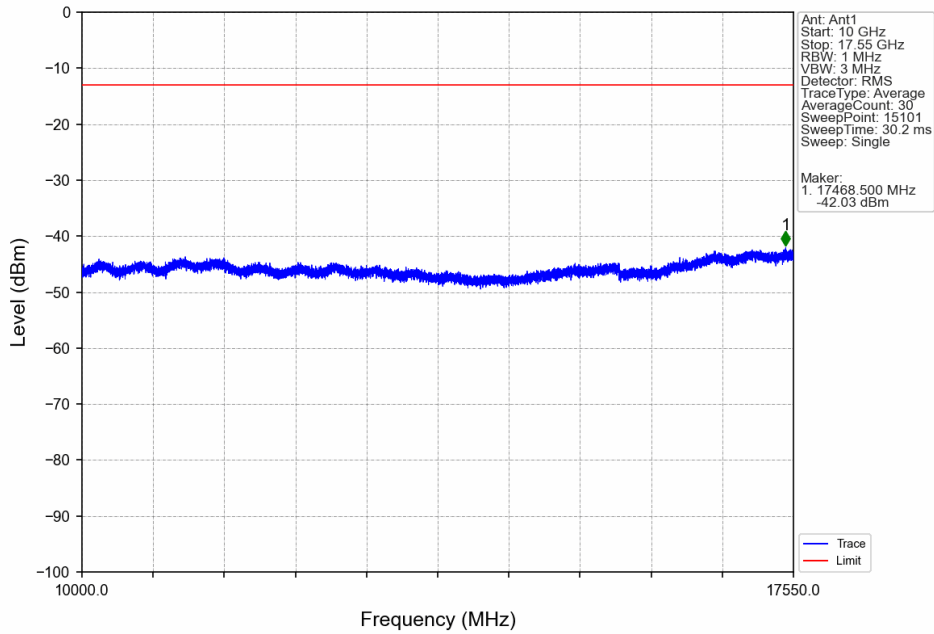
Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



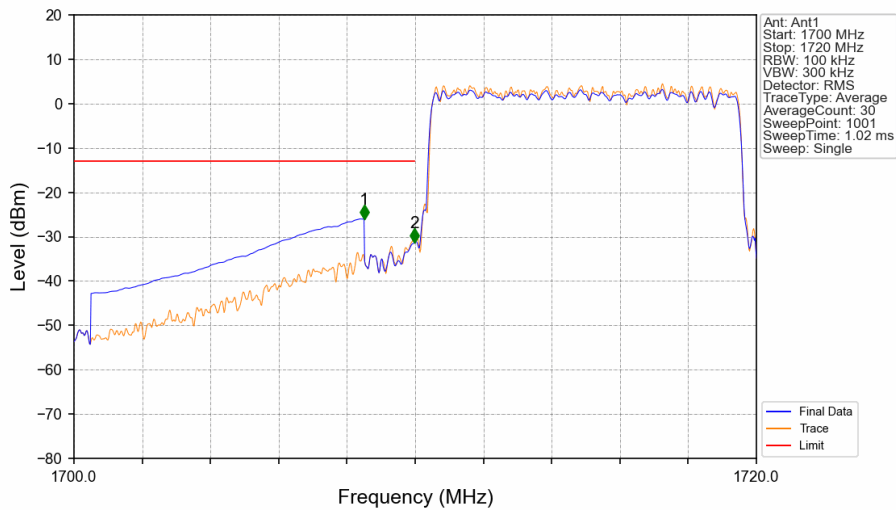


Test Report No.: RF260330B003

Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



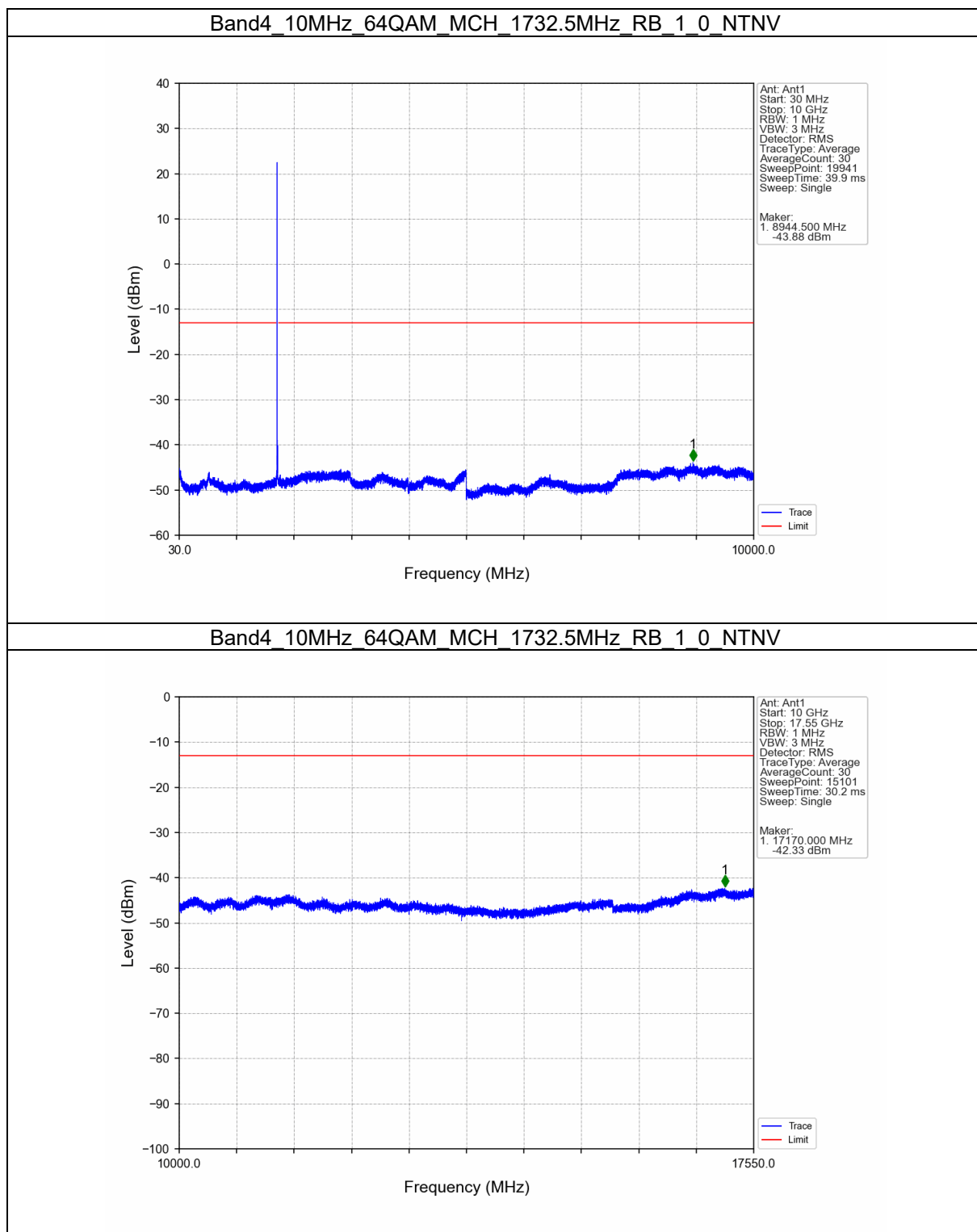
Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.500	-25.97	-13	Pass
1709	1710	0.101	CHP	2	1709.980	-31.35	-13	Pass
1710	1720	0.101	CHP	/	/	/	/	/

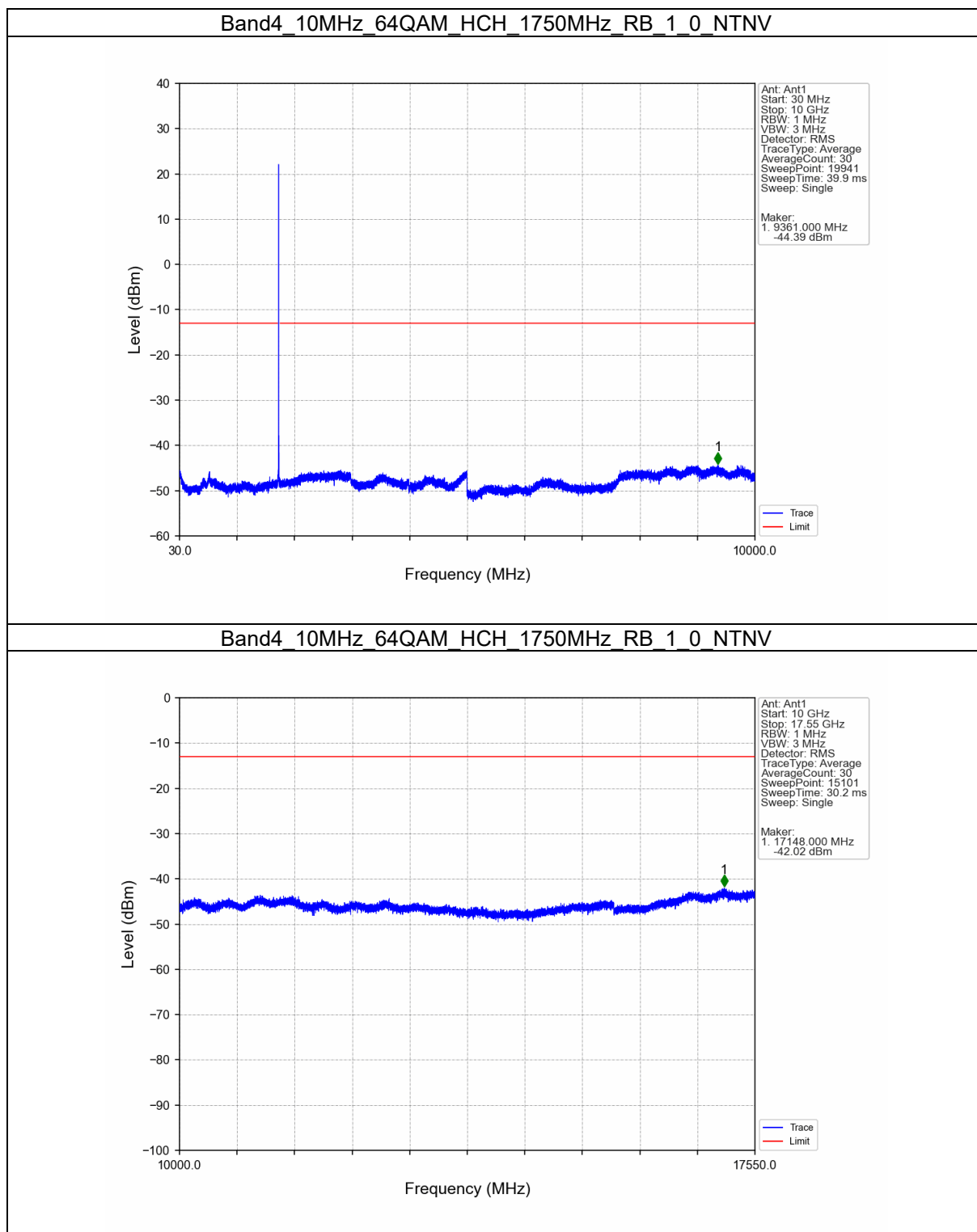


Test Report No.: RF260330B003



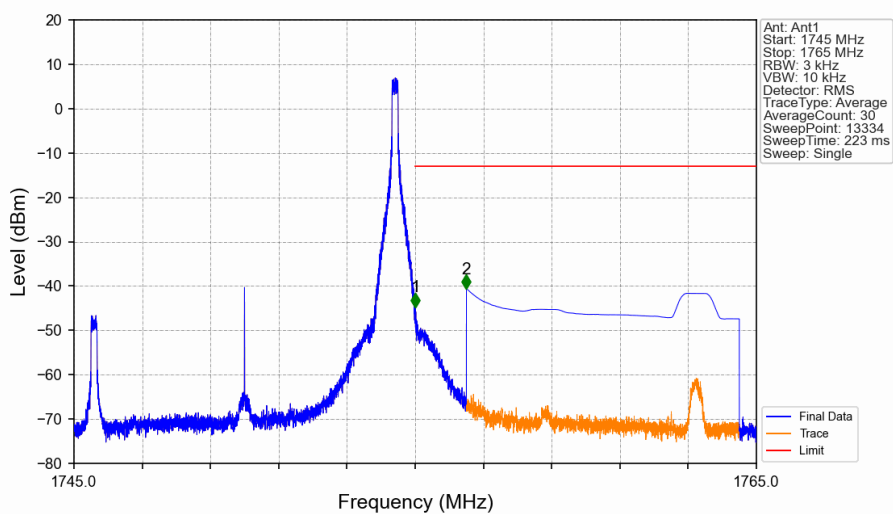


Test Report No.: RF260330B003



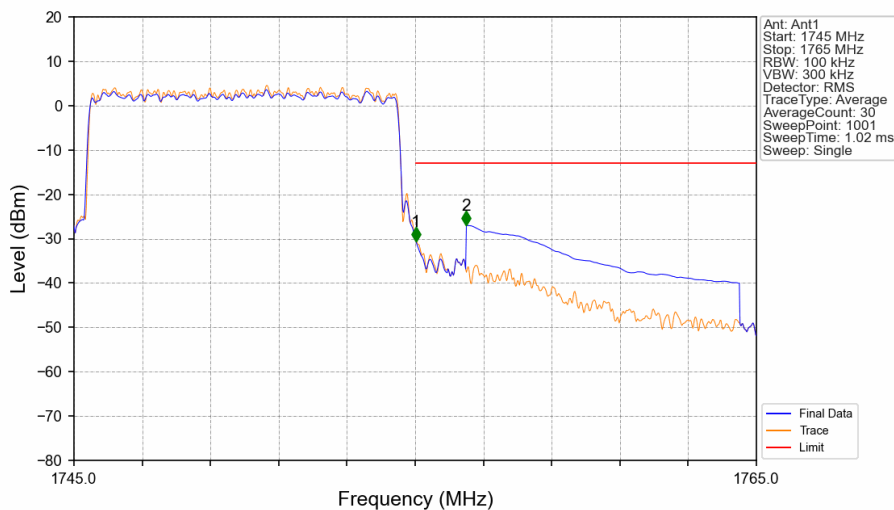
Test Report No.: RF260330B003

Band4_10MHz_64QAM_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-44.70	-13	Pass
1756	1765	1	CHP	2	1756.501	-40.53	-13	Pass

Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV

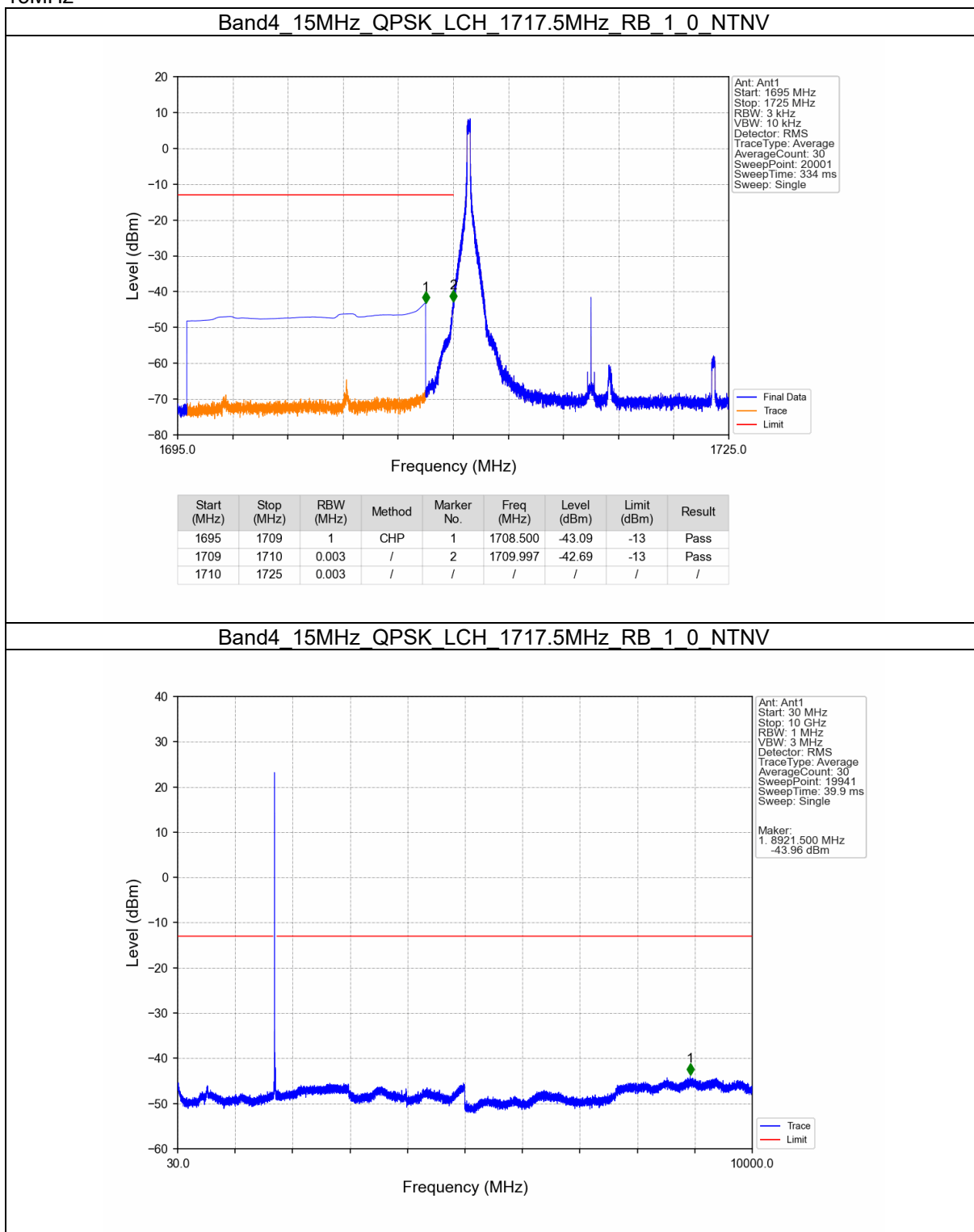


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.102	CHP	/	/	/	/	/
1755	1756	0.102	CHP	1	1755.020	-30.54	-13	Pass
1756	1765	1	CHP	2	1756.500	-27.02	-13	Pass



Test Report No.: RF260330B003

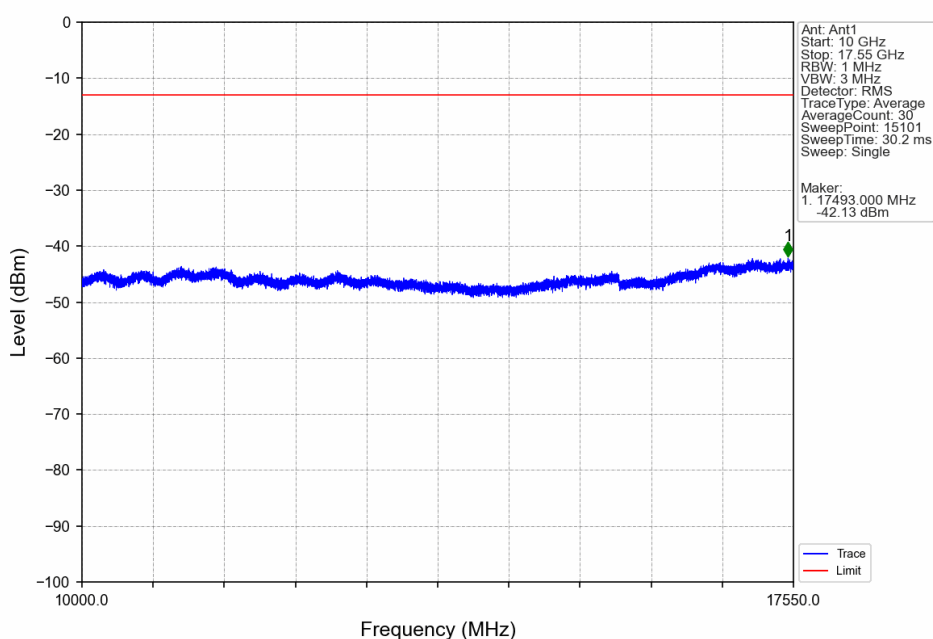
15MHz



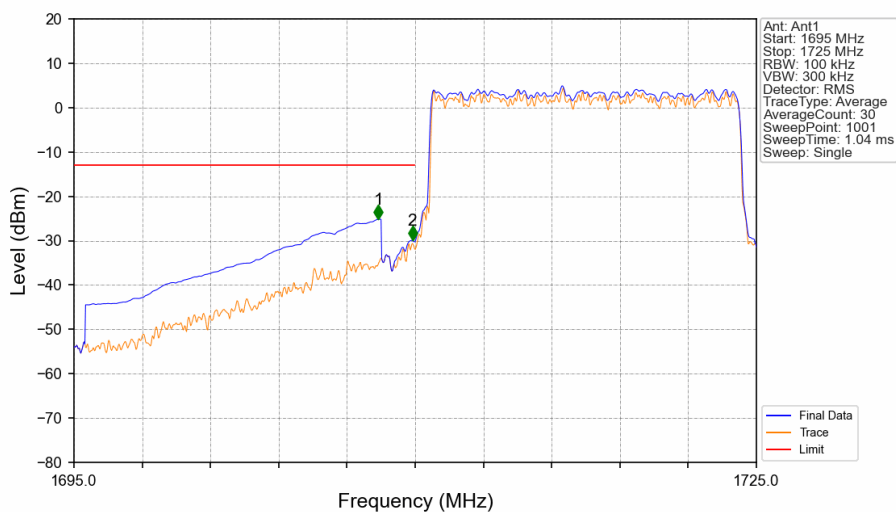


Test Report No.: RF260330B003

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

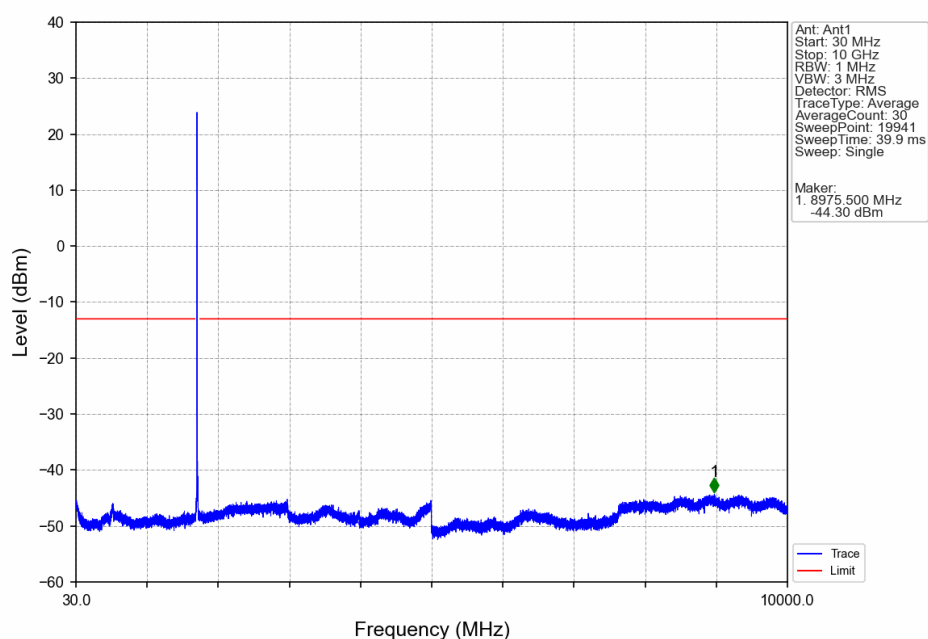


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.380	-25.16	-13	Pass
1709	1710	0.15	CHP	2	1709.880	-29.93	-13	Pass
1710	1725	0.15	CHP	/	/	/	/	/

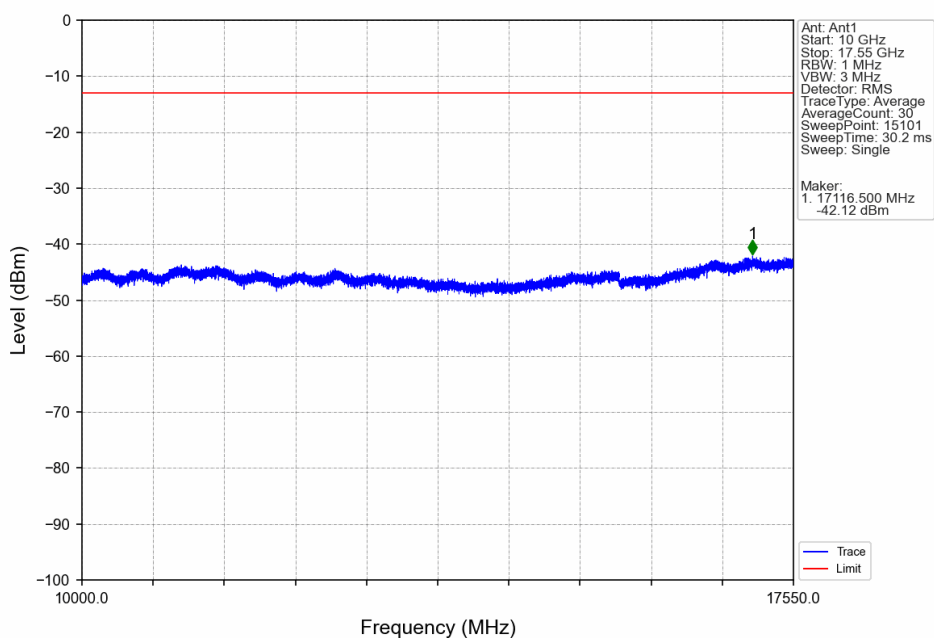


Test Report No.: RF260330B003

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



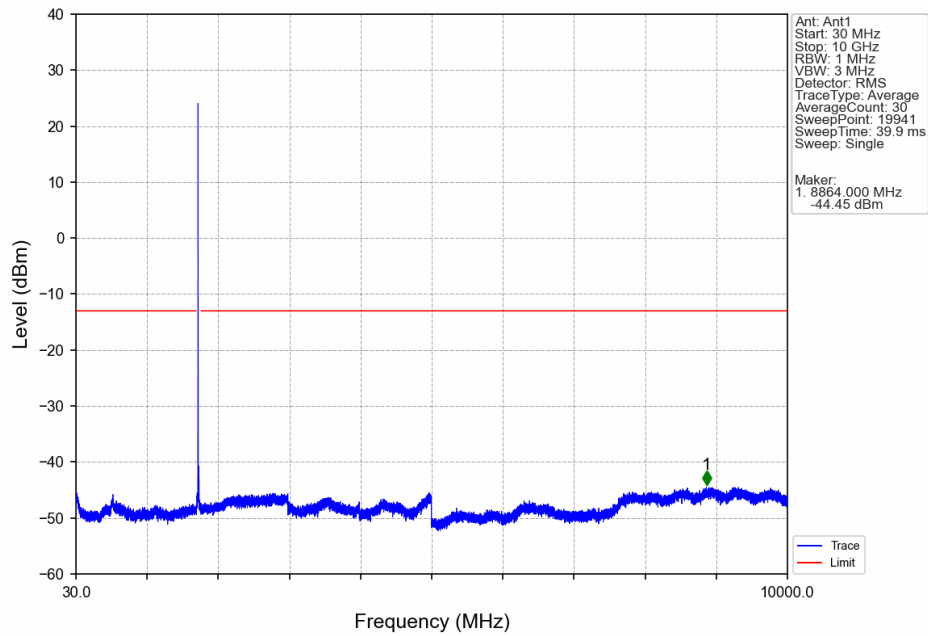
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



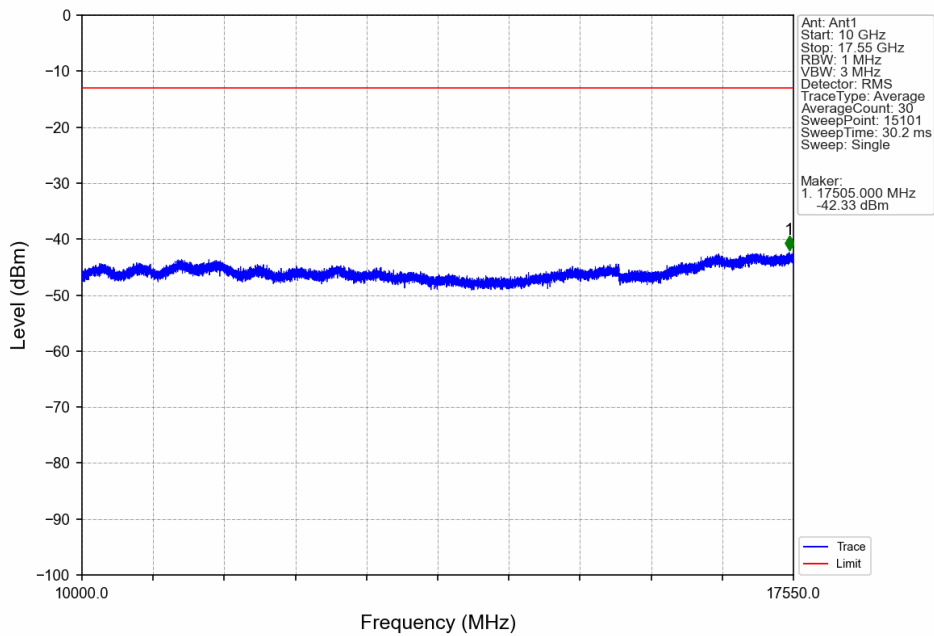


Test Report No.: RF260330B003

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



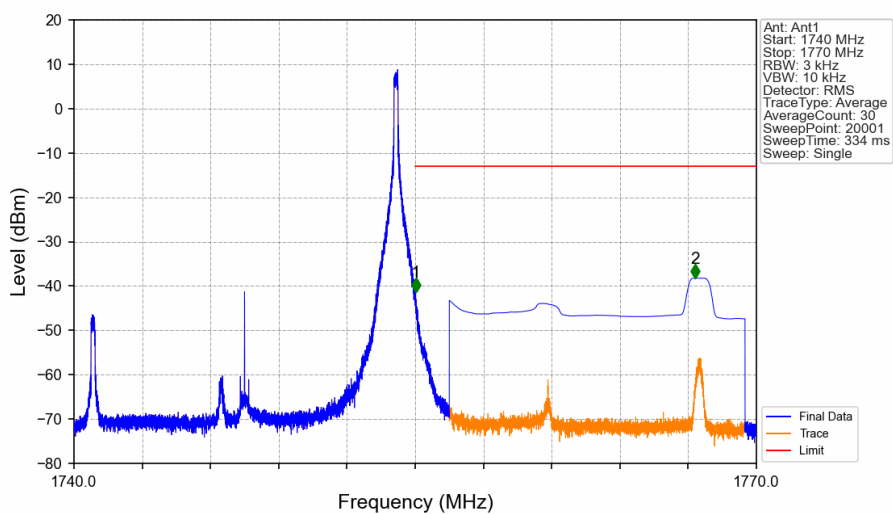
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV





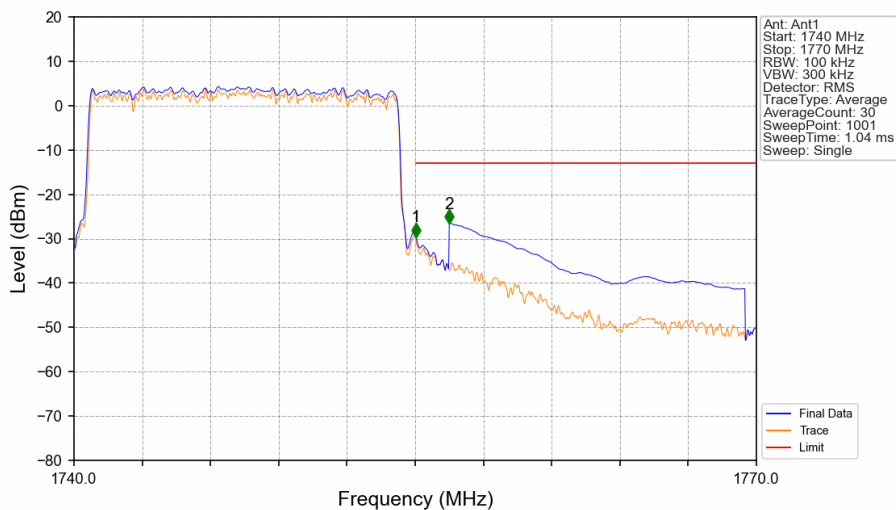
Test Report No.: RF260330B003

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



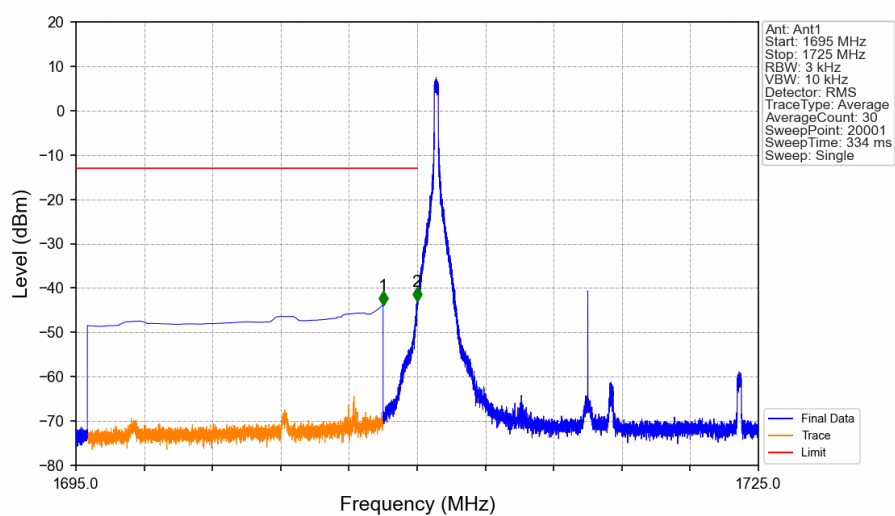
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.020	-41.31	-13	Pass
1756	1770	1	CHP	2	1767.321	-38.22	-13	Pass

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



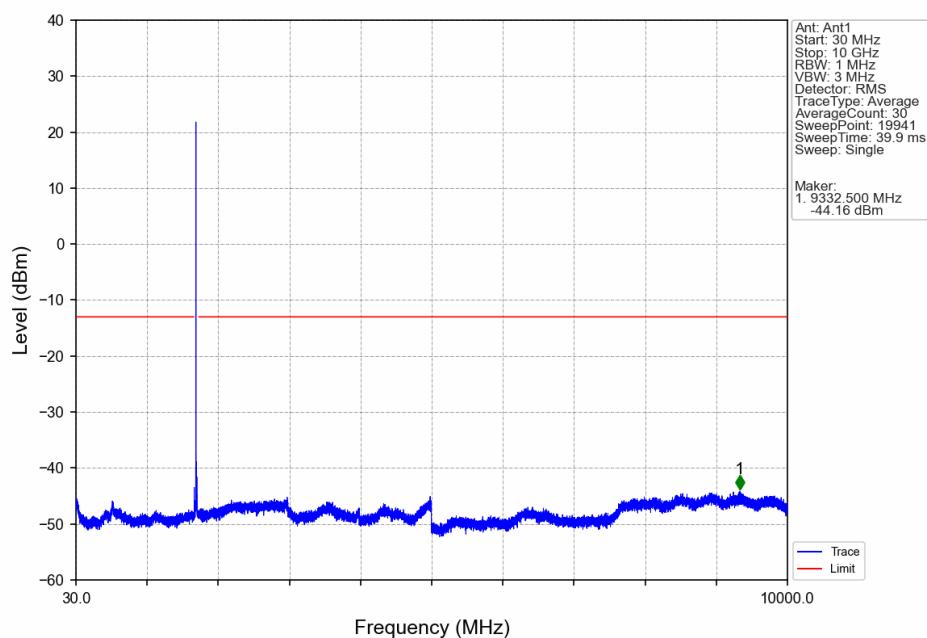
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.147	CHP	/	/	/	/	/
1755	1756	0.147	CHP	1	1755.030	-29.58	-13	Pass
1756	1770	1	CHP	2	1756.500	-26.50	-13	Pass

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.500	-43.80	-13	Pass
1709	1710	0.003	/	2	1709.984	-43.05	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

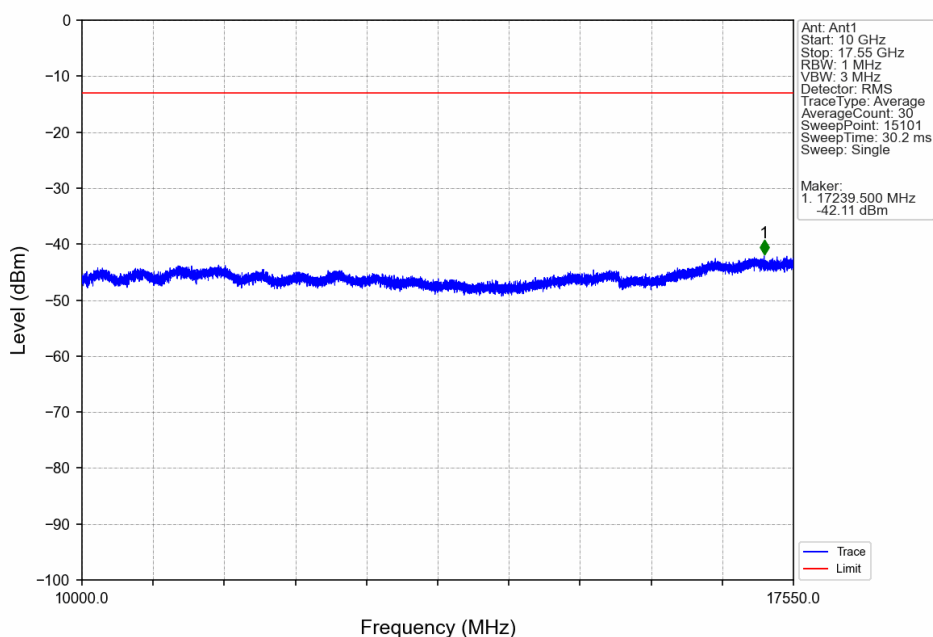
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



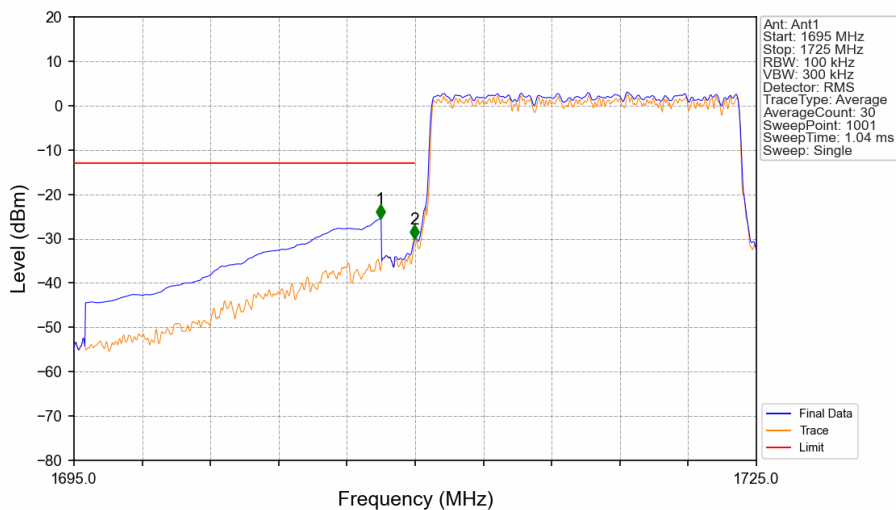


Test Report No.: RF260330B003

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



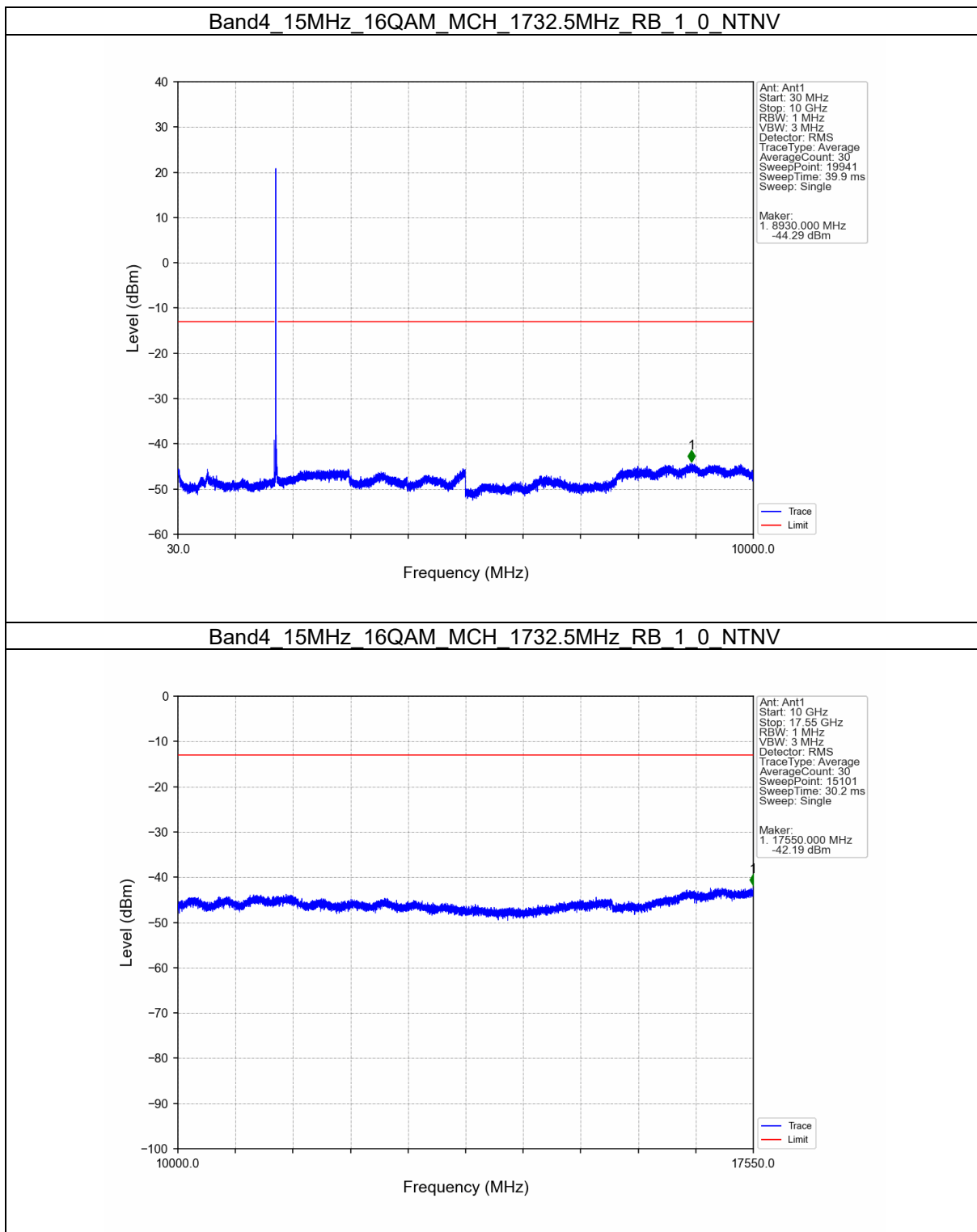
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-25.56	-13	Pass
1709	1710	0.148	CHP	2	1709.970	-29.98	-13	Pass
1710	1725	0.148	CHP	/	/	/	/	/

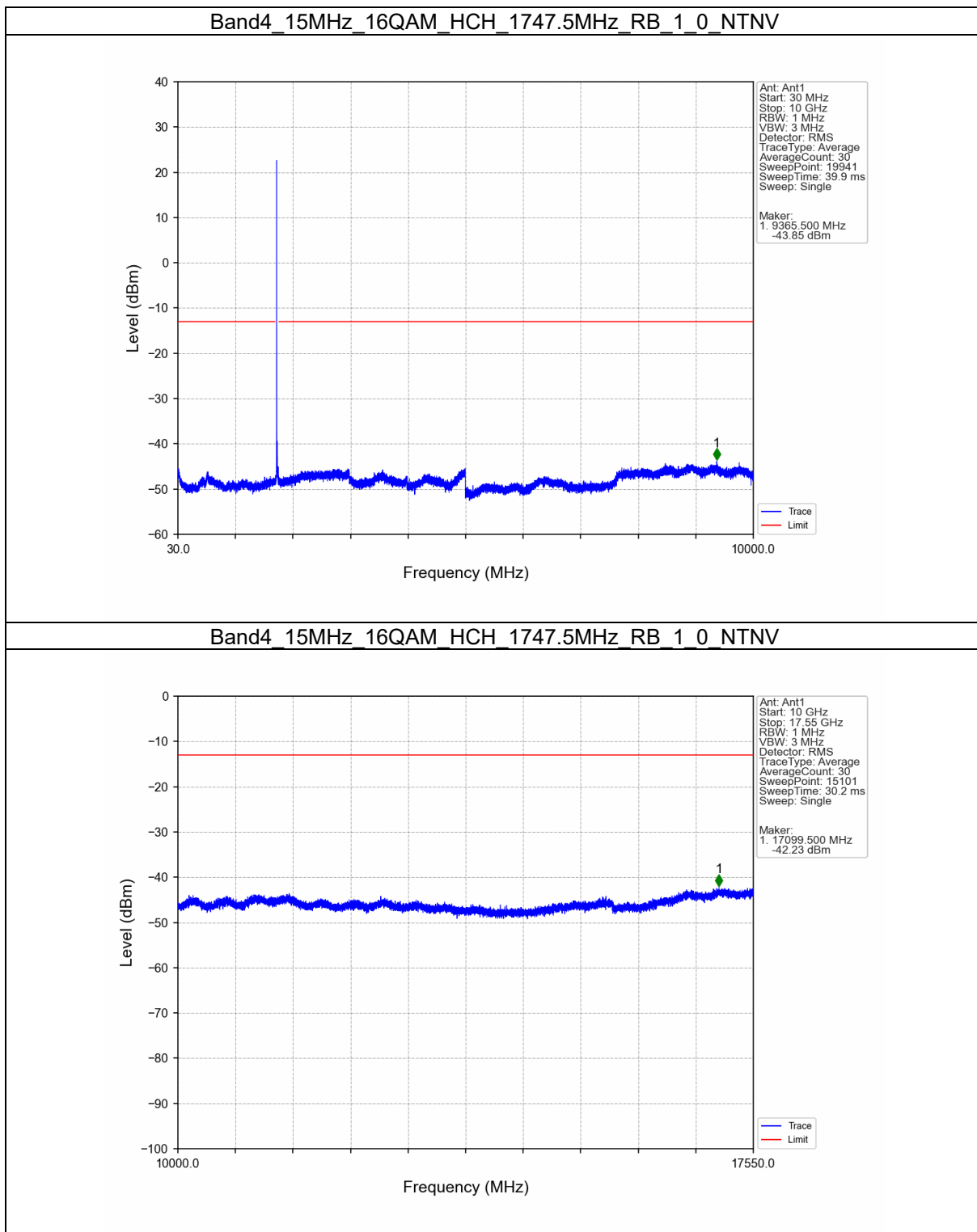


Test Report No.: RF260330B003





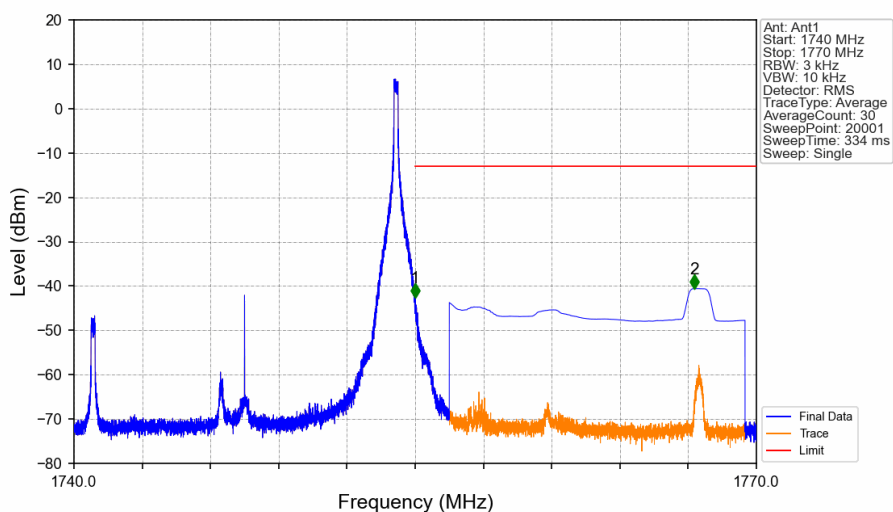
Test Report No.: RF260330B003





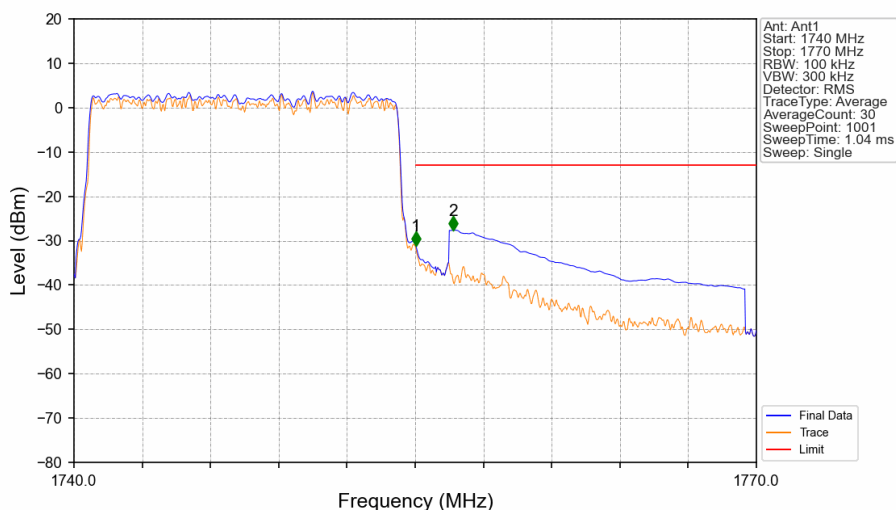
Test Report No.: RF260330B003

Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-42.58	-13	Pass
1756	1770	1	CHP	2	1767.277	-40.59	-13	Pass

Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

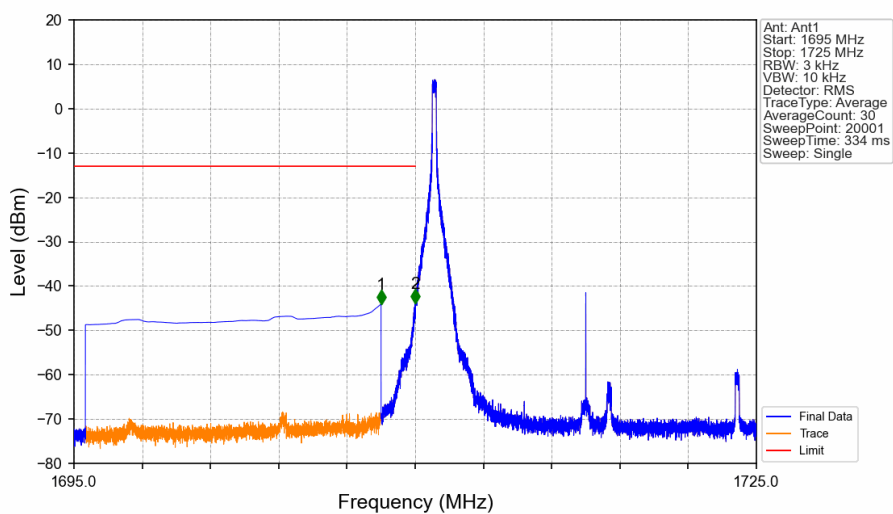


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.149	CHP	/	/	/	/	/
1755	1756	0.149	CHP	1	1755.030	-31.11	-13	Pass
1756	1770	1	CHP	2	1756.680	-27.60	-13	Pass



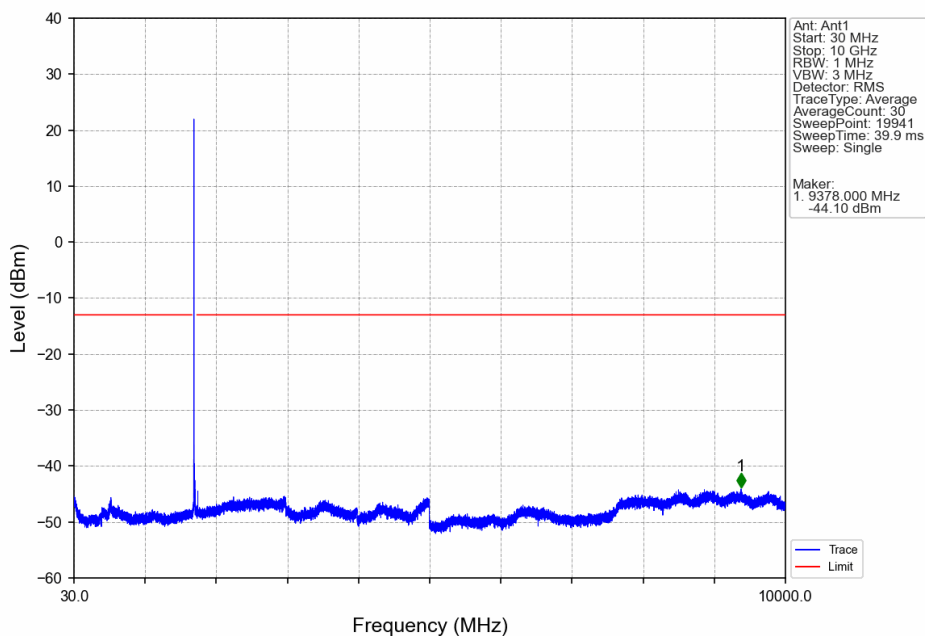
Test Report No.: RF260330B003

Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.500	-44.09	-13	Pass
1709	1710	0.003	/	2	1709.997	-43.96	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

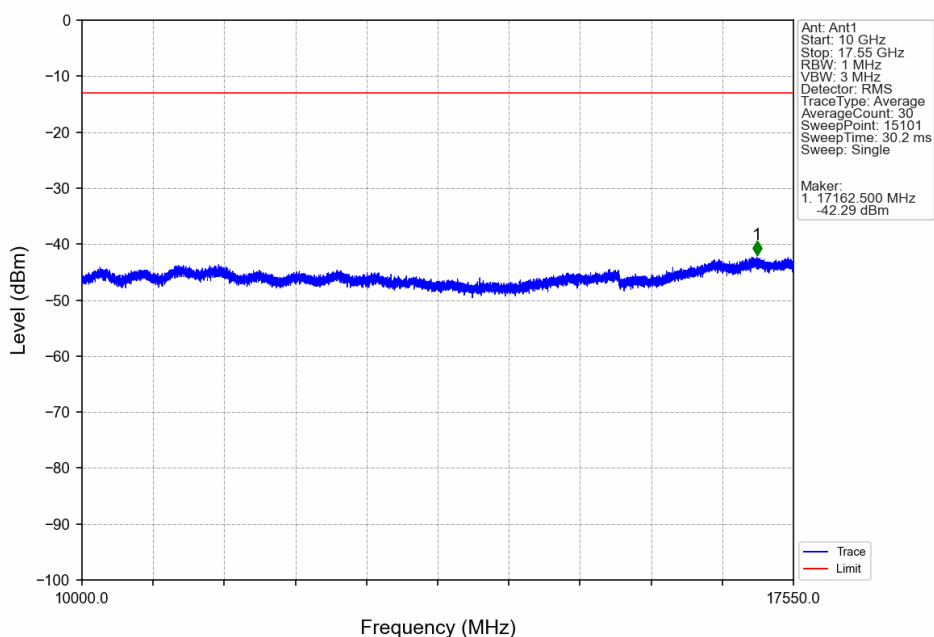
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



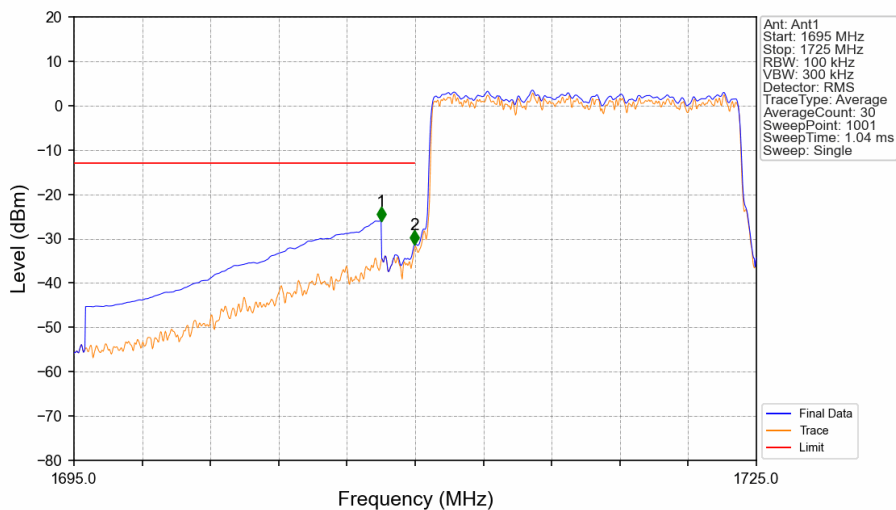


Test Report No.: RF260330B003

Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



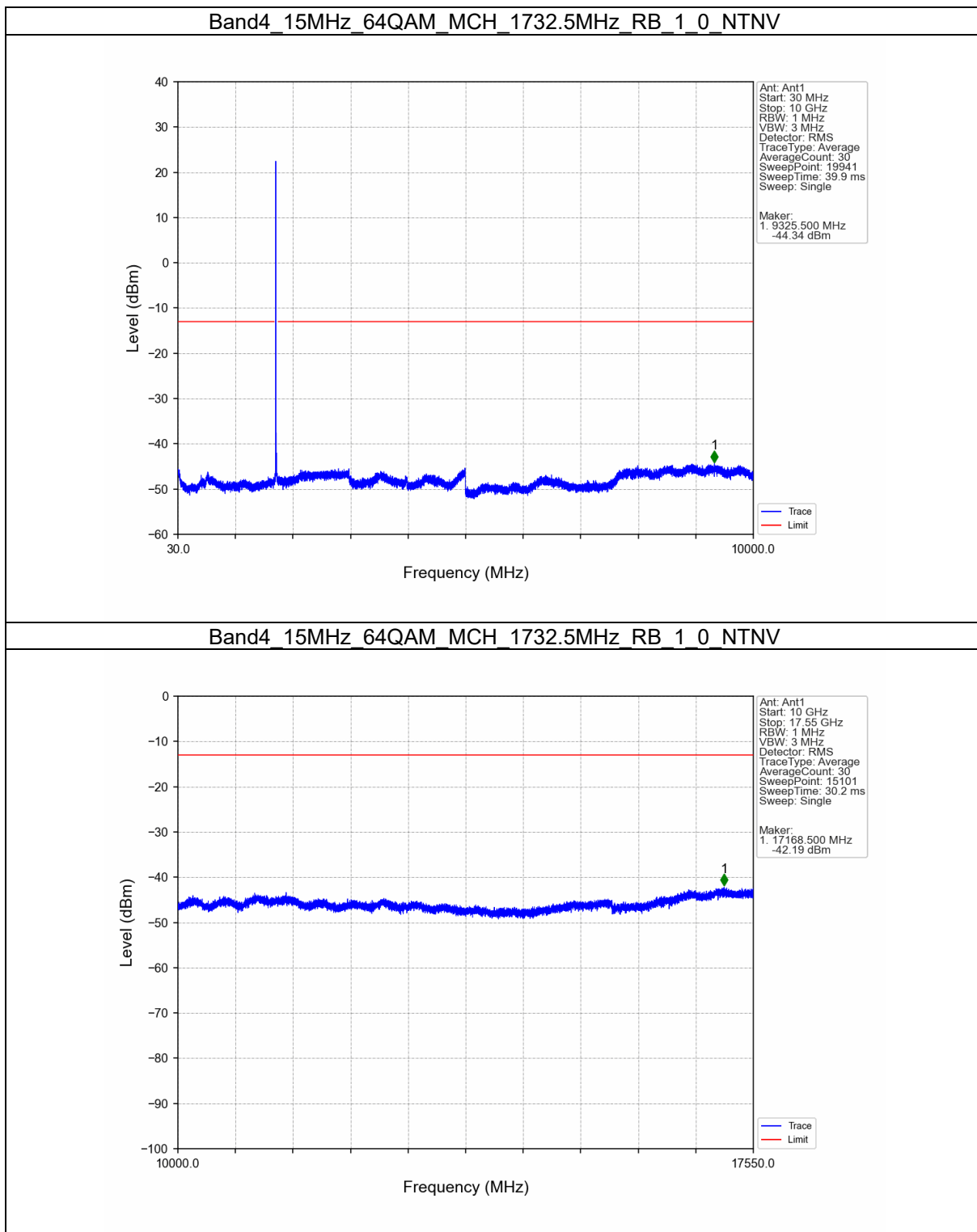
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.500	-25.97	-13	Pass
1709	1710	0.149	CHP	2	1709.970	-31.31	-13	Pass
1710	1725	0.149	CHP	/	/	/	/	/

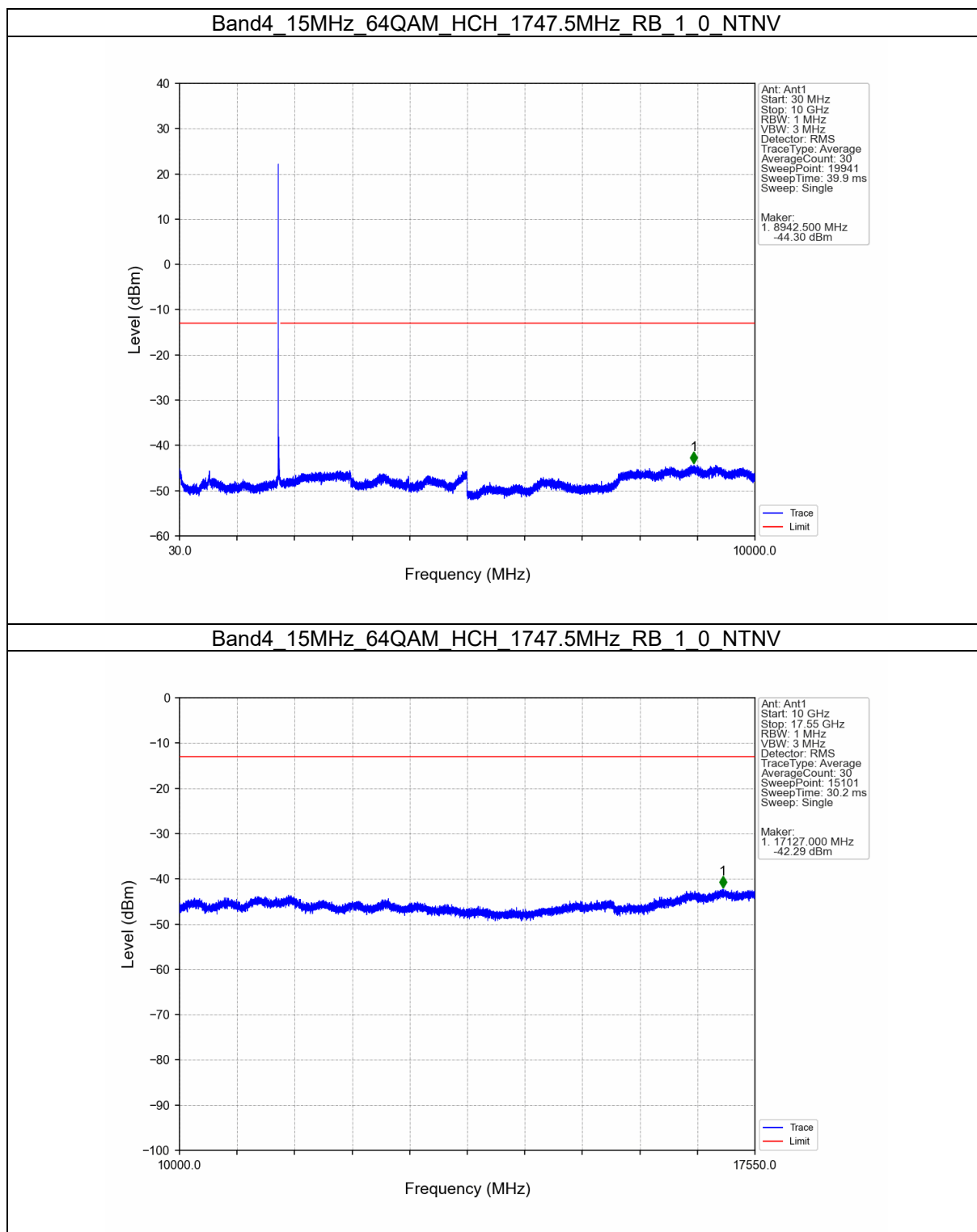


Test Report No.: RF260330B003





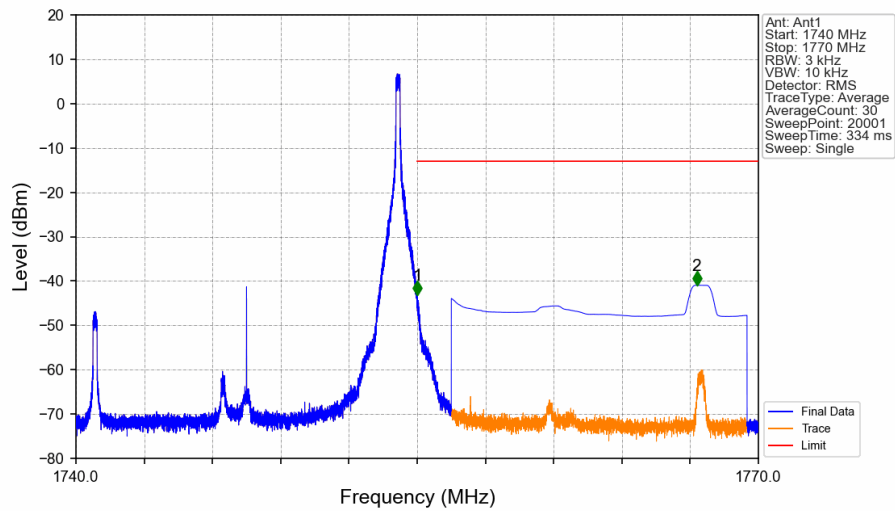
Test Report No.: RF260330B003





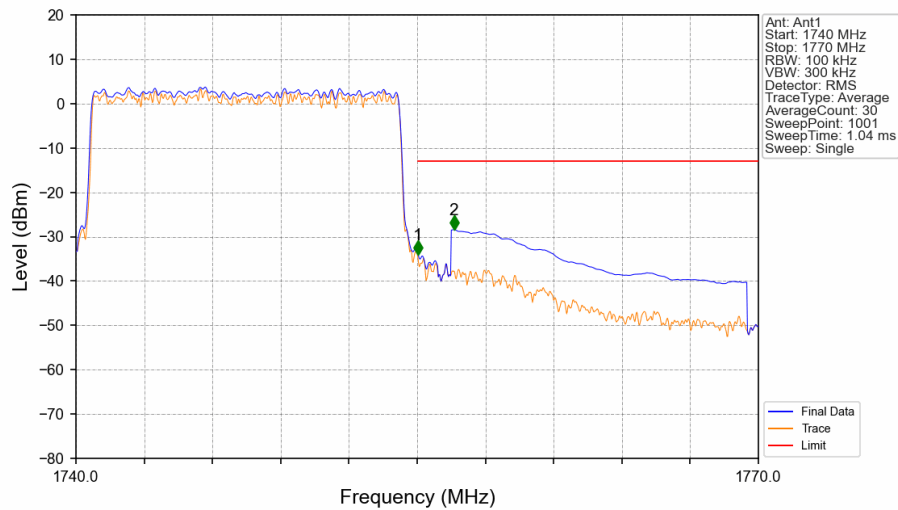
Test Report No.: RF260330B003

Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-43.23	-13	Pass
1756	1770	1	CHP	2	1767.291	-40.96	-13	Pass

Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV

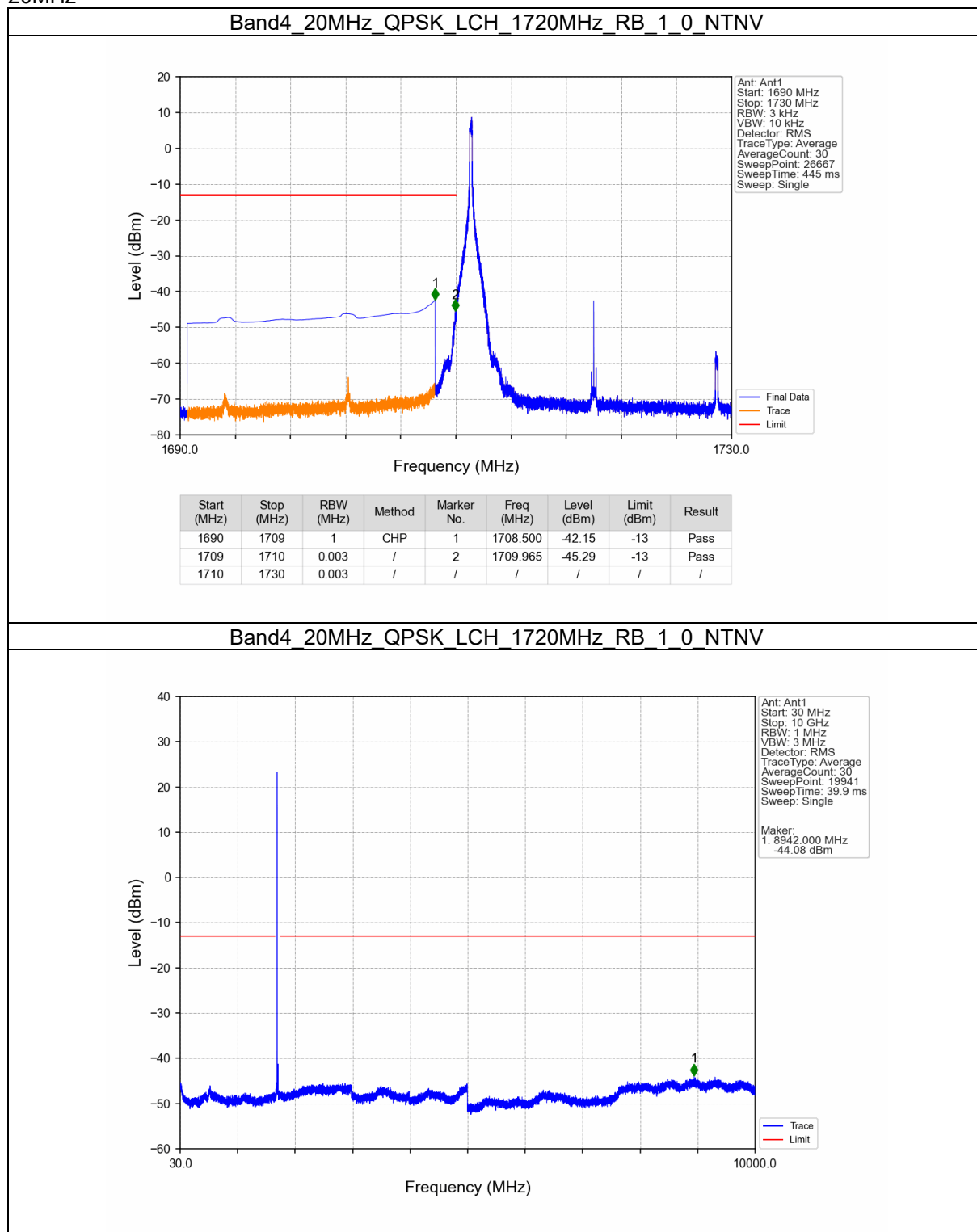


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.149	CHP	/	/	/	/	/
1755	1756	0.149	CHP	1	1755.030	-33.98	-13	Pass
1756	1770	1	CHP	2	1756.620	-28.42	-13	Pass



Test Report No.: RF260330B003

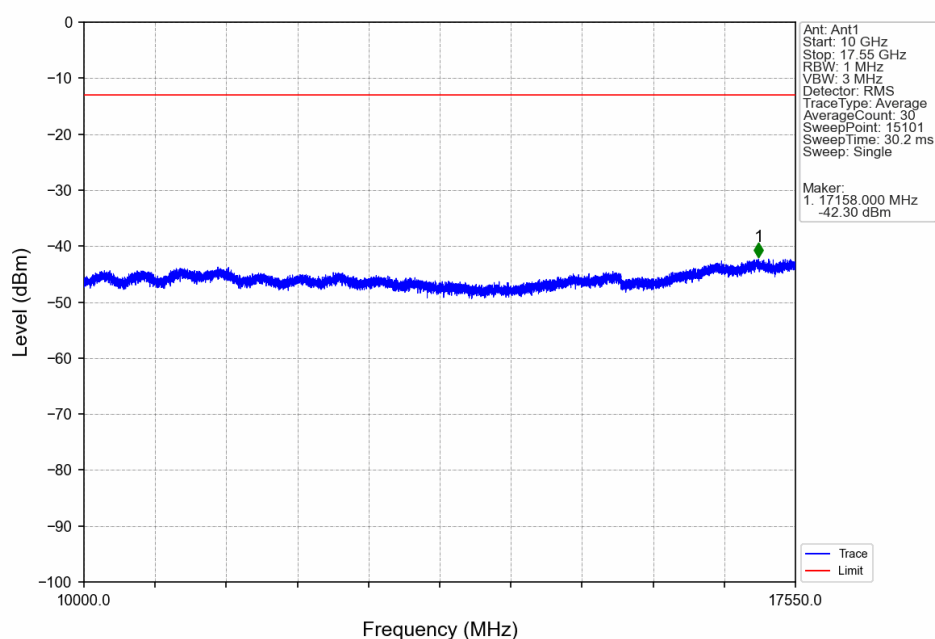
20MHz



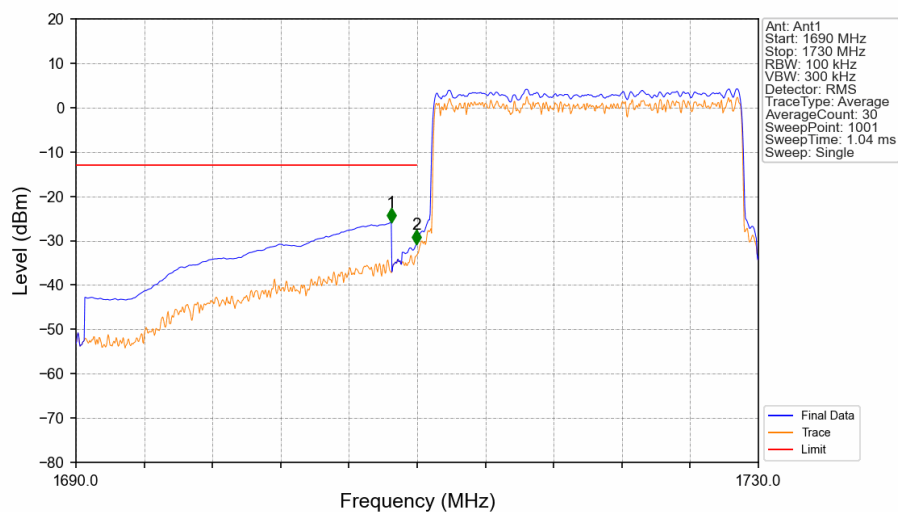


Test Report No.: RF260330B003

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

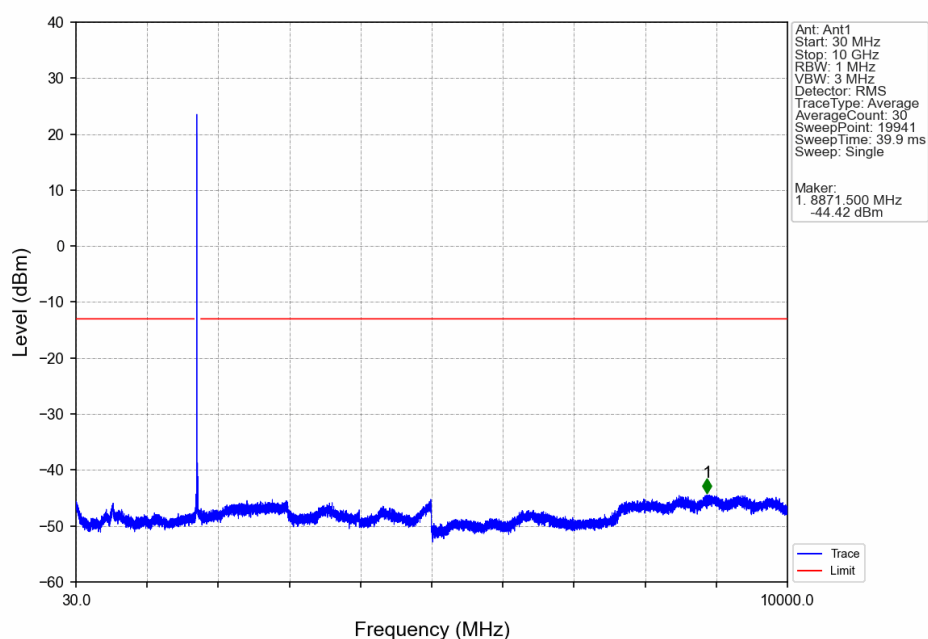


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-25.80	-13	Pass
1709	1710	0.198	CHP	2	1709.960	-30.72	-13	Pass
1710	1730	0.198	CHP	/	/	/	/	/

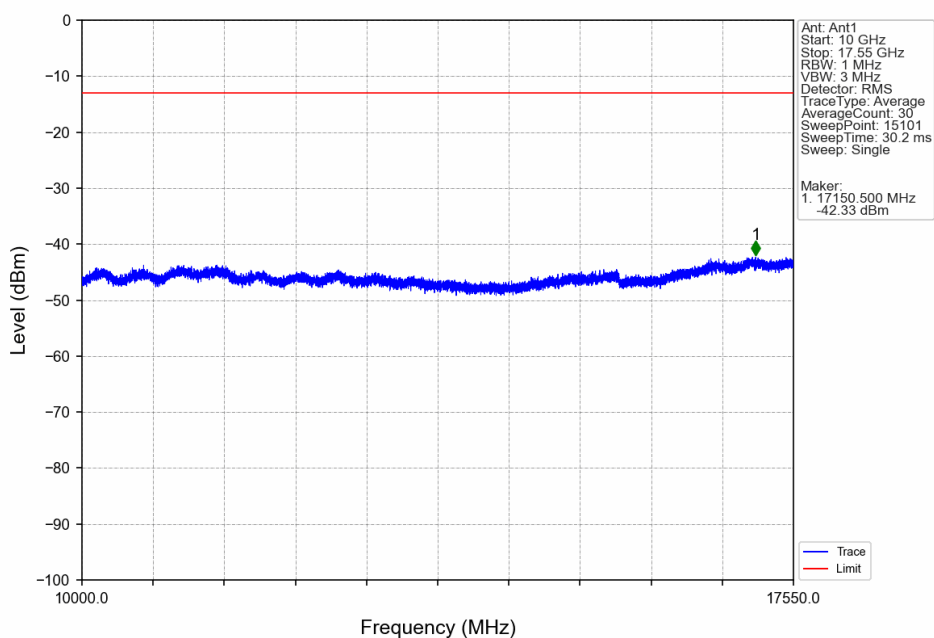


Test Report No.: RF260330B003

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



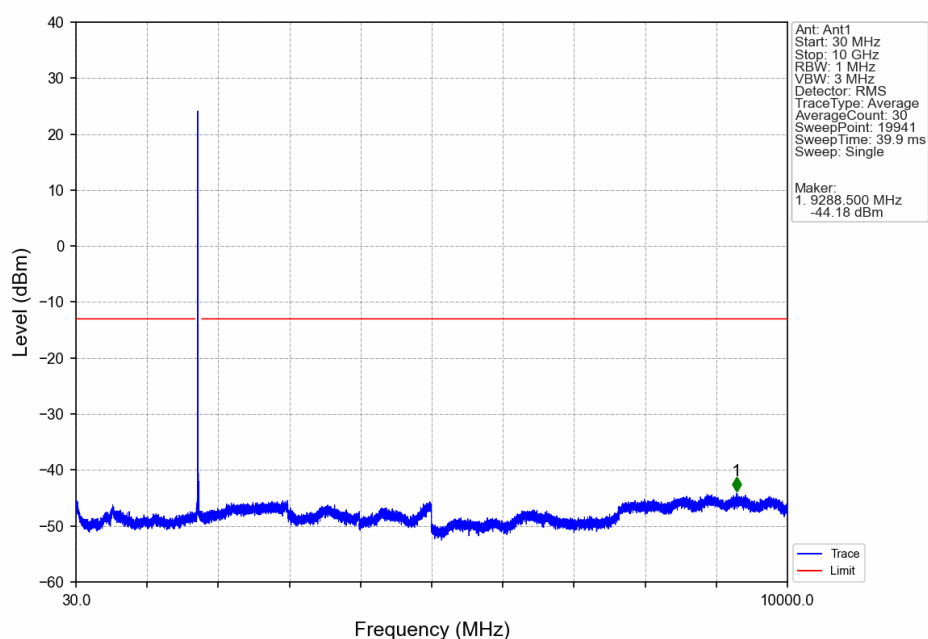
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



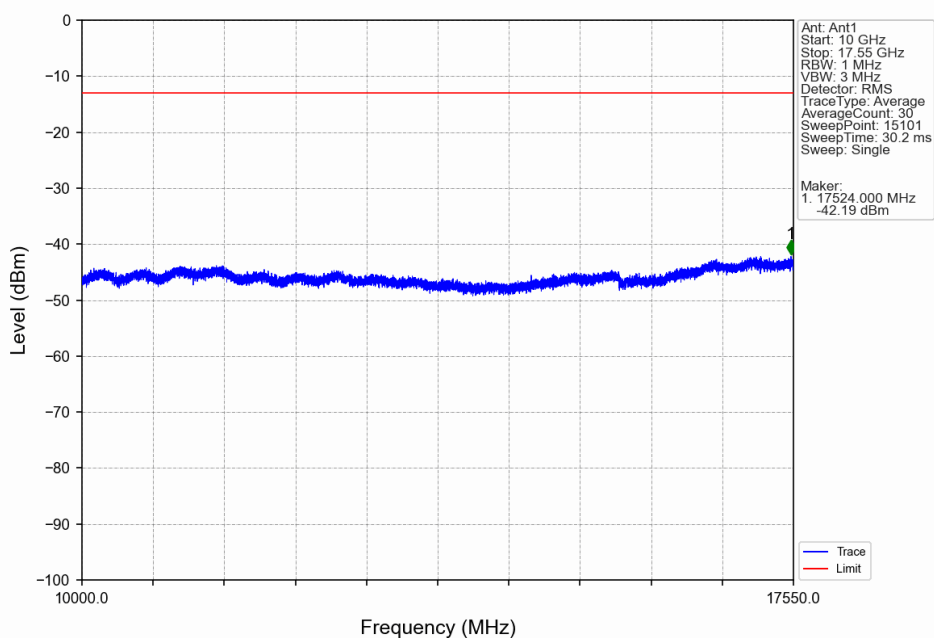


Test Report No.: RF260330B003

Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



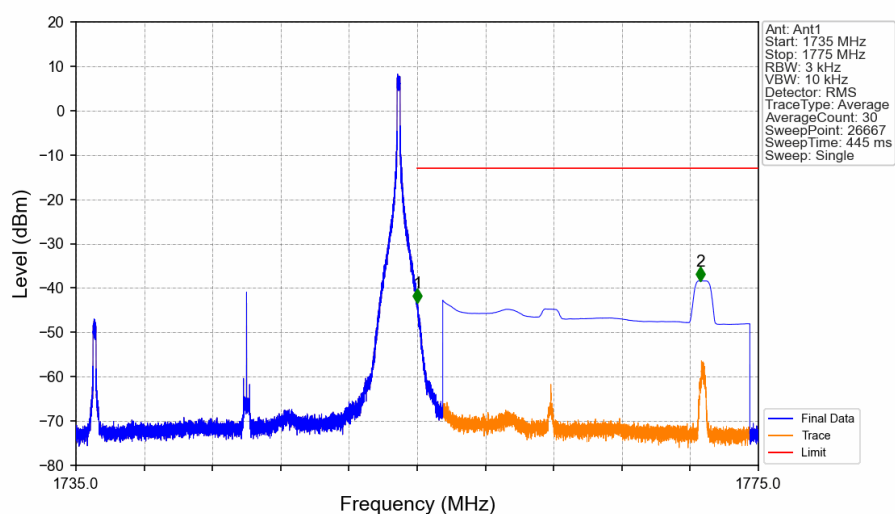
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV





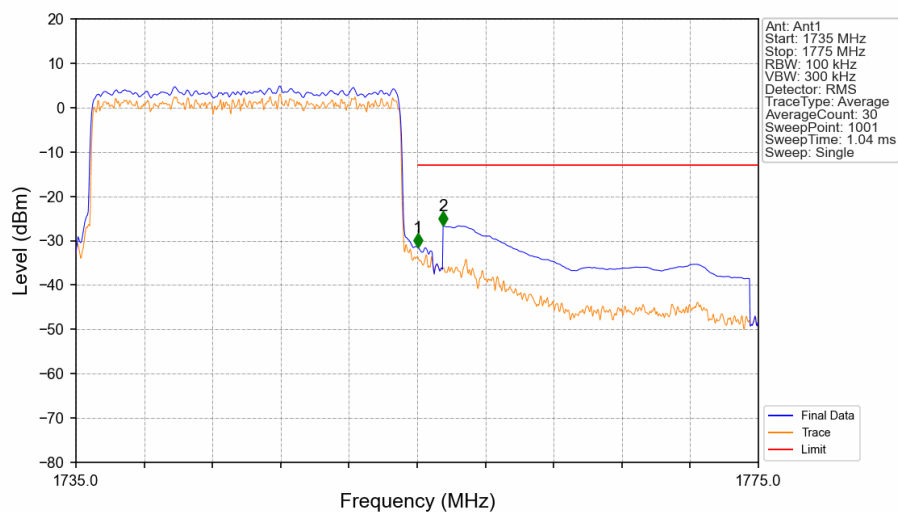
Test Report No.: RF260330B003

Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.007	-43.38	-13	Pass
1756	1775	1	CHP	2	1771.604	-38.40	-13	Pass

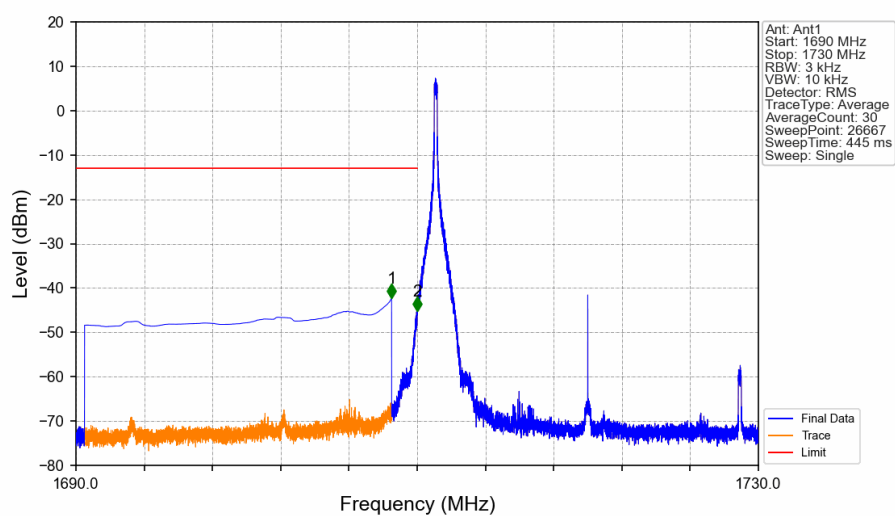
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.199	CHP	/	/	/	/	/
1755	1756	0.199	CHP	1	1755.040	-31.55	-13	Pass
1756	1775	1	CHP	2	1756.520	-26.65	-13	Pass

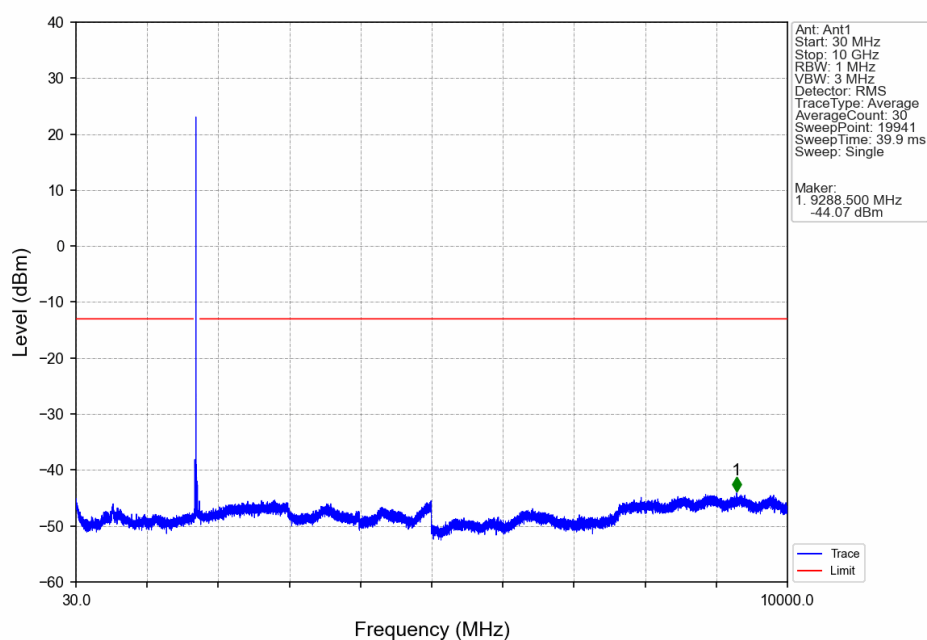
Test Report No.: RF260330B003

Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-42.30	-13	Pass
1709	1710	0.003	/	2	1709.995	-45.21	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

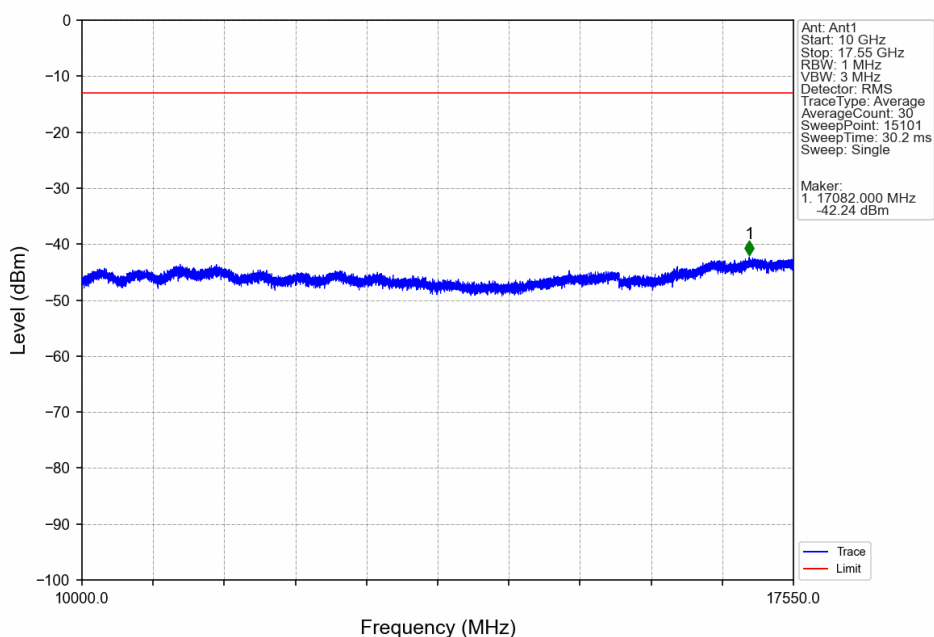
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



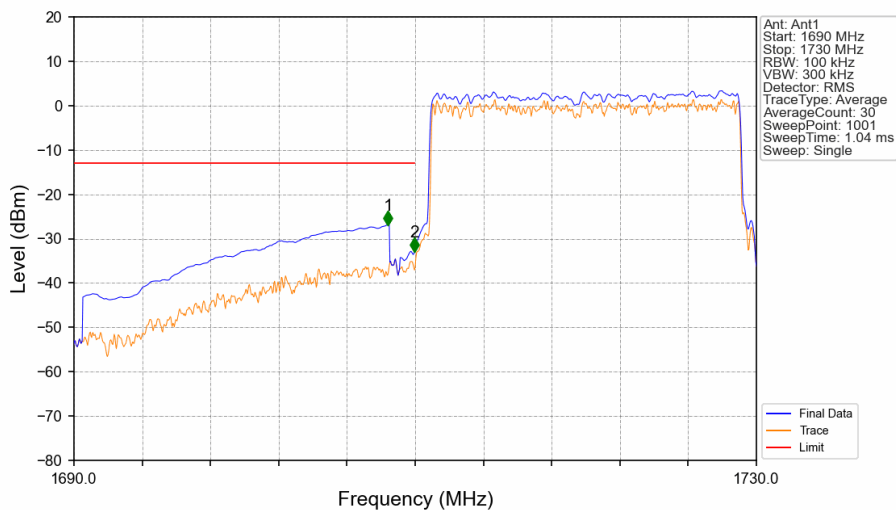


Test Report No.: RF260330B003

Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



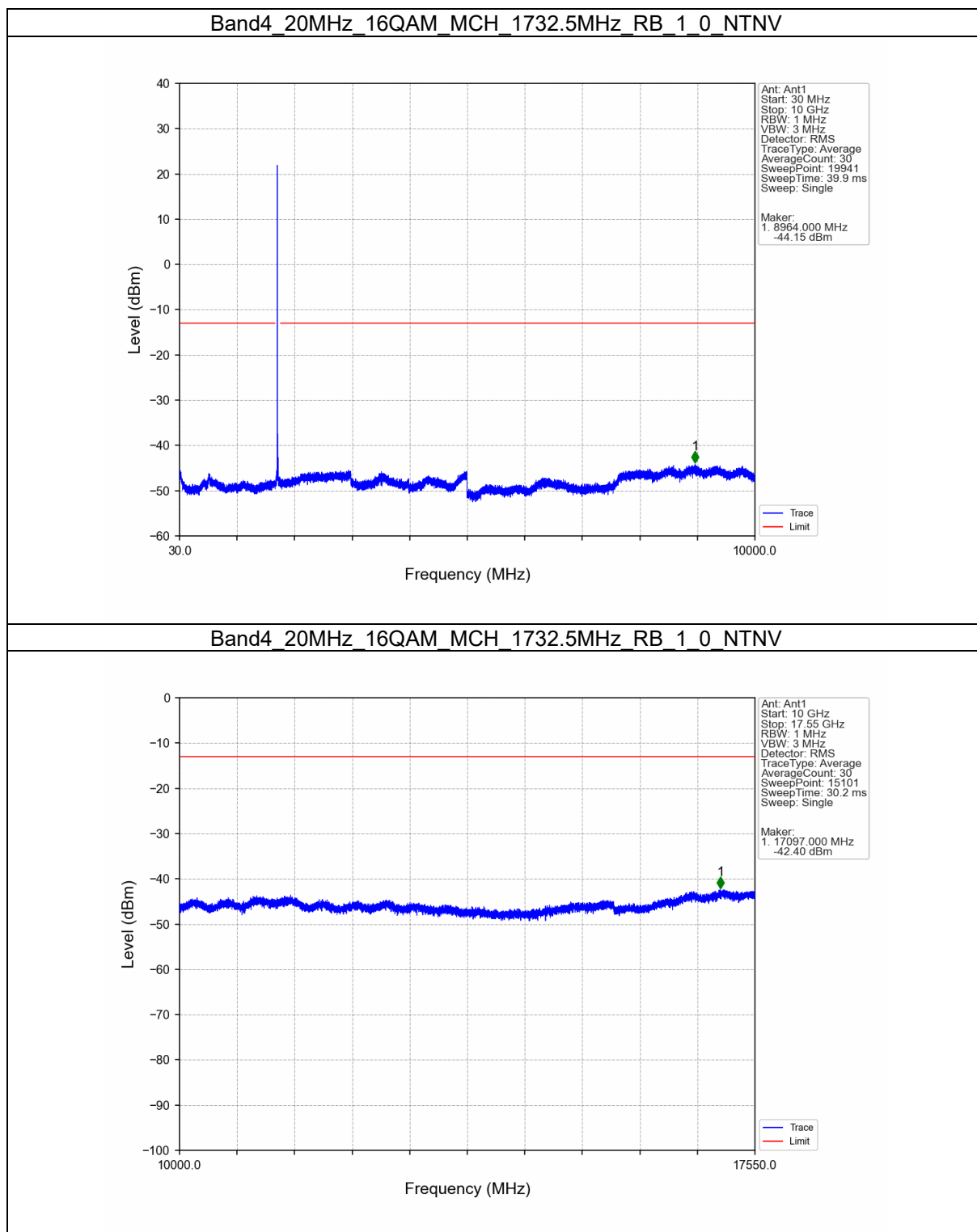
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.400	-26.87	-13	Pass
1709	1710	0.198	CHP	2	1709.960	-32.88	-13	Pass
1710	1730	0.198	CHP	/	/	/	/	/



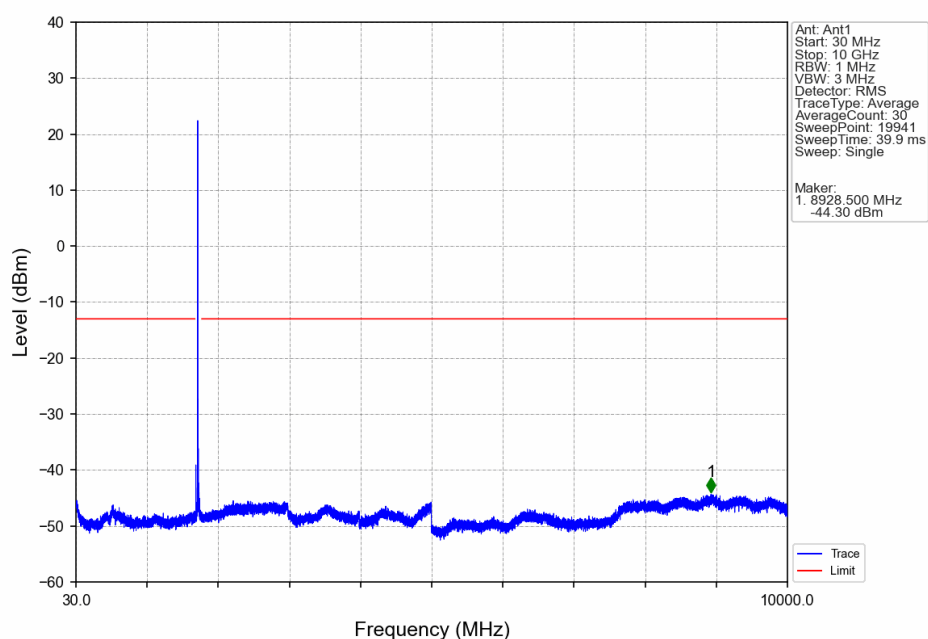
Test Report No.: RF260330B003



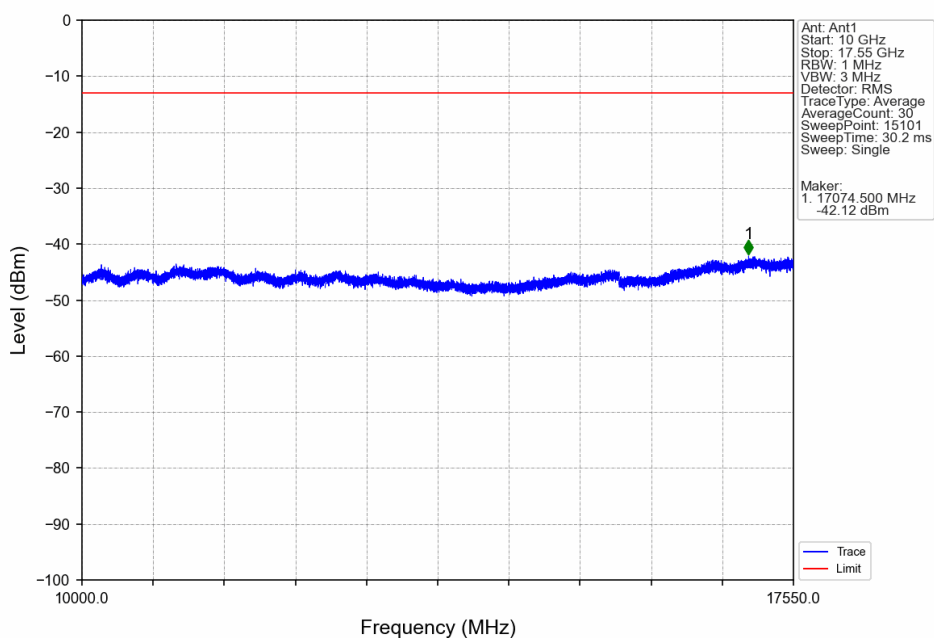


Test Report No.: RF260330B003

Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



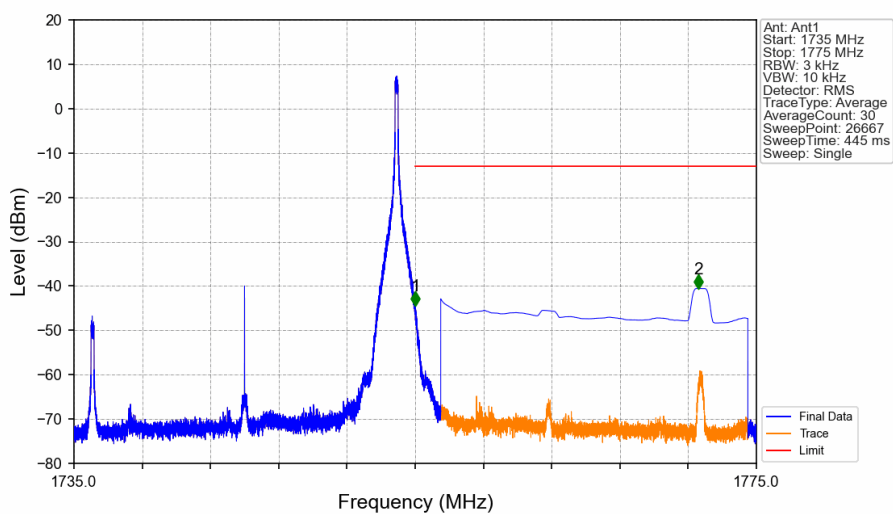
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV





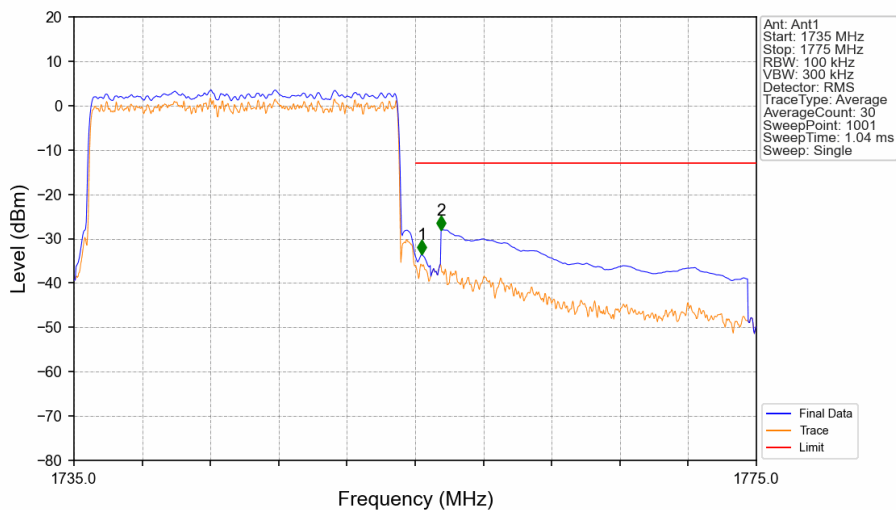
Test Report No.: RF260330B003

Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.007	-44.44	-13	Pass
1756	1775	1	CHP	2	1771.595	-40.55	-13	Pass

Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

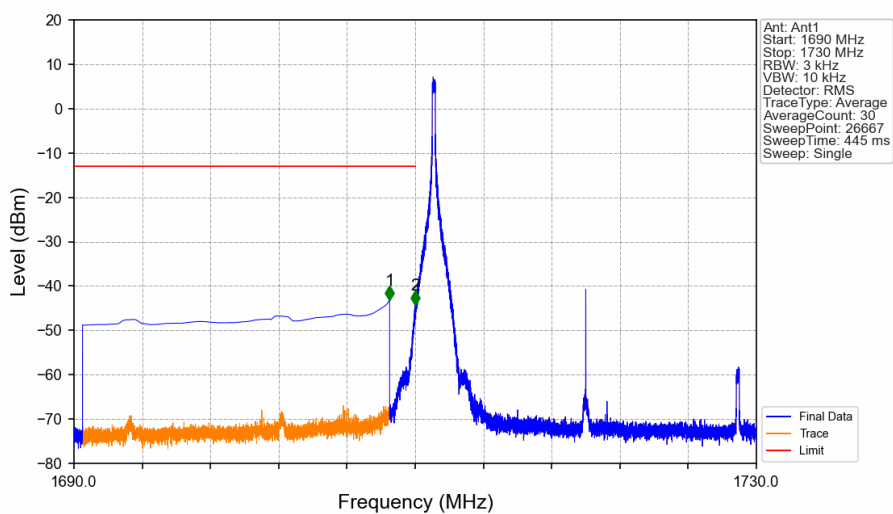


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.198	CHP	/	/	/	/	/
1755	1756	0.198	CHP	1	1755.400	-33.57	-13	Pass
1756	1775	1	CHP	2	1756.520	-27.95	-13	Pass



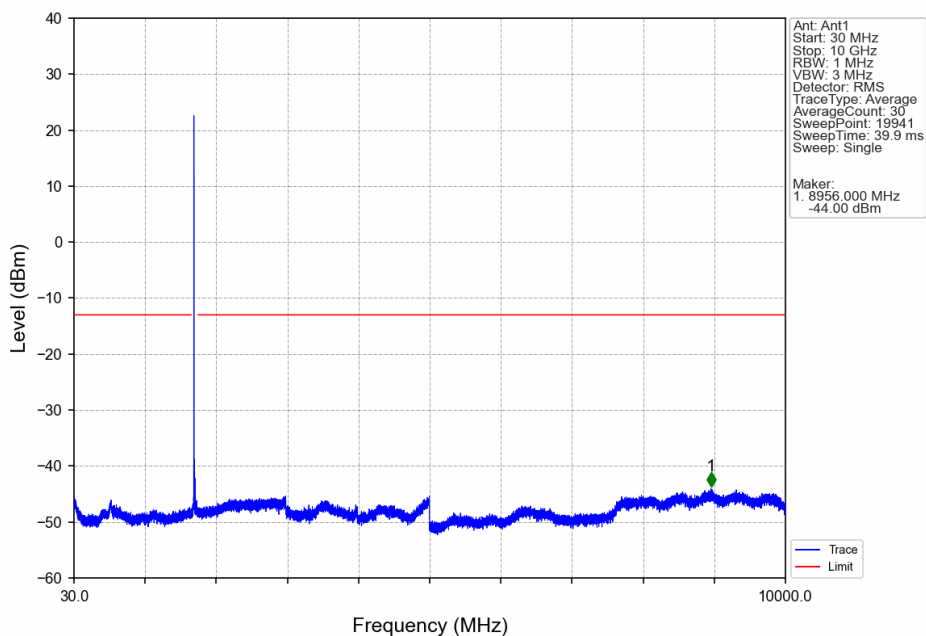
Test Report No.: RF260330B003

Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-43.08	-13	Pass
1709	1710	0.003	/	2	1709.995	-44.32	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

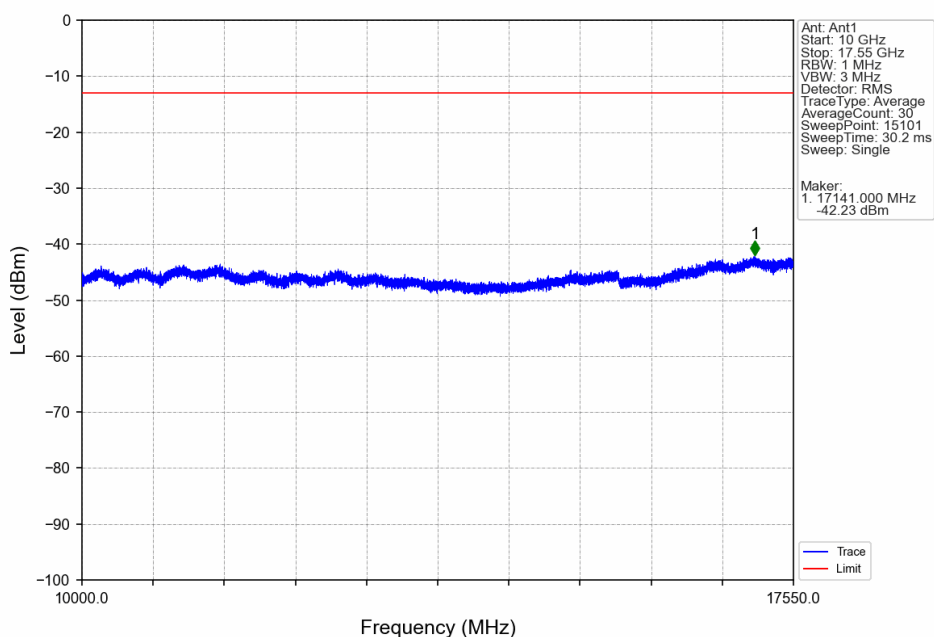
Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



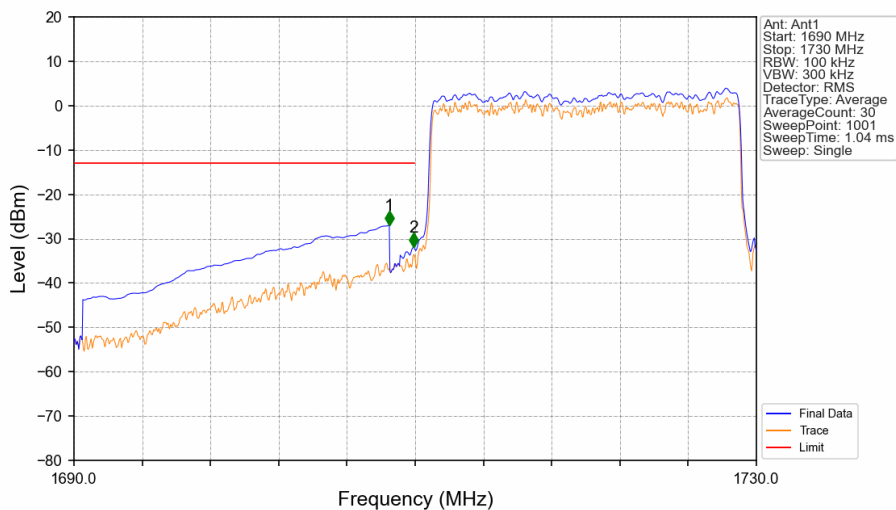


Test Report No.: RF260330B003

Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



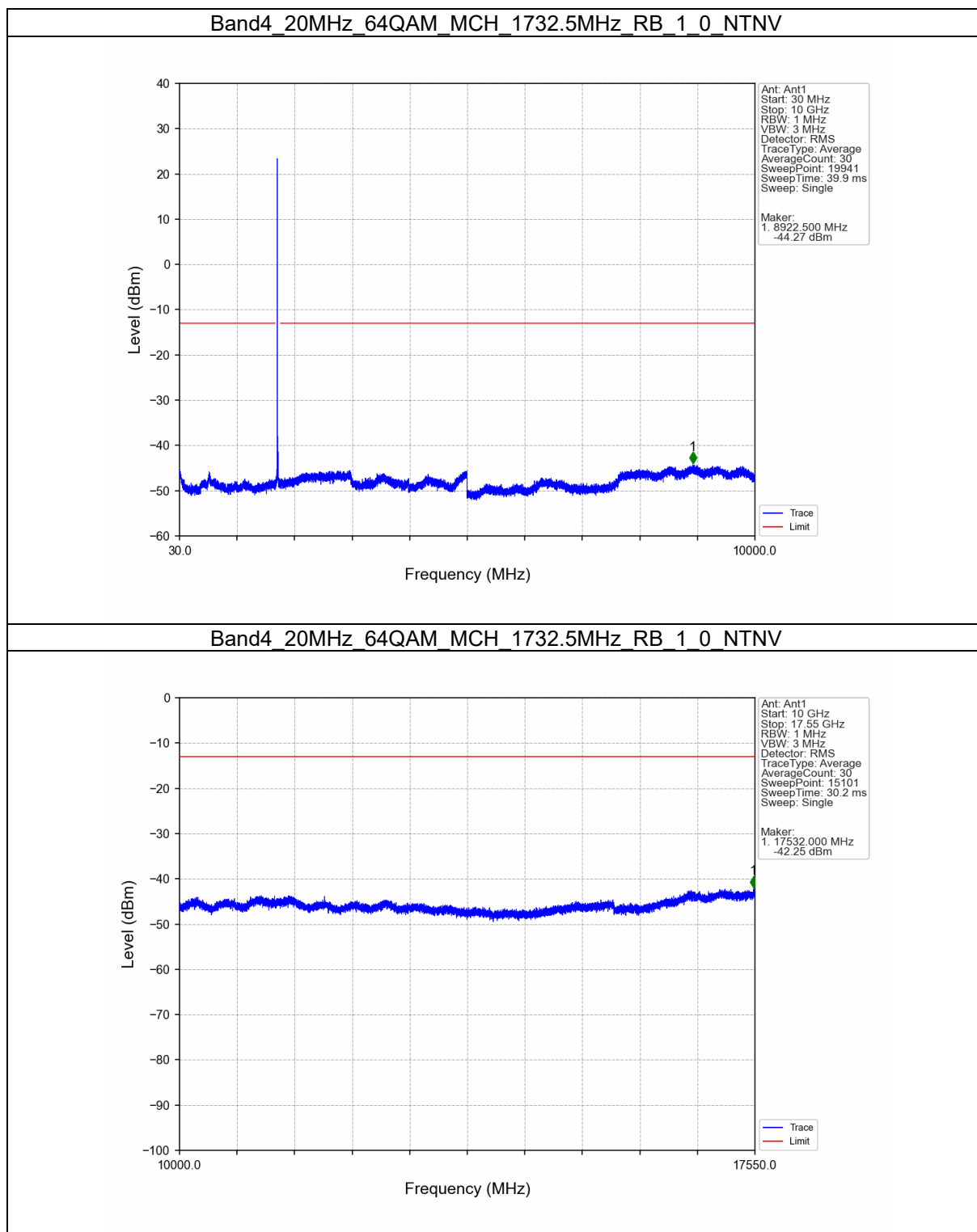
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-26.89	-13	Pass
1709	1710	0.198	CHP	2	1709.920	-31.91	-13	Pass
1710	1730	0.198	CHP	/	/	/	/	/



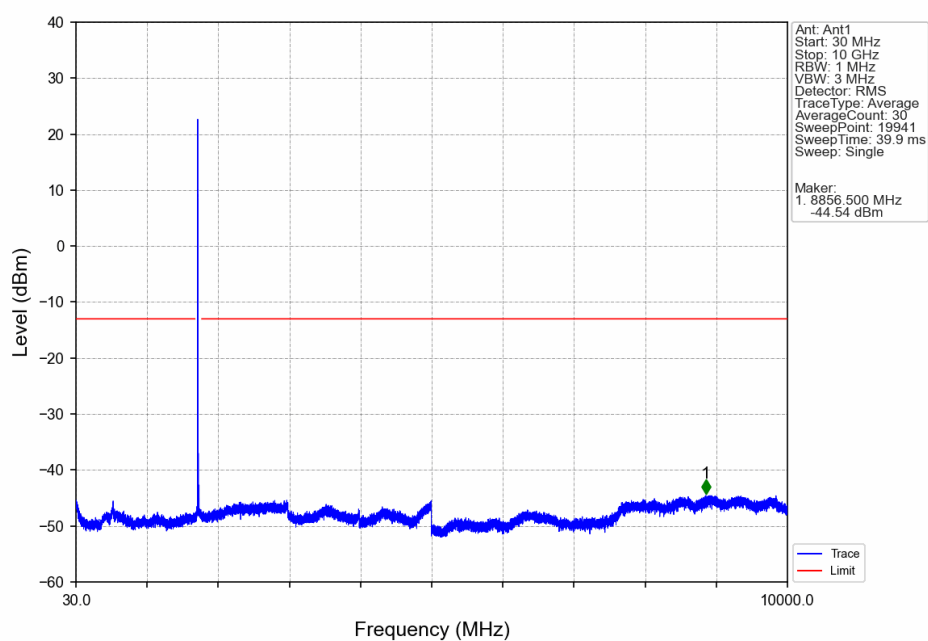
Test Report No.: RF260330B003



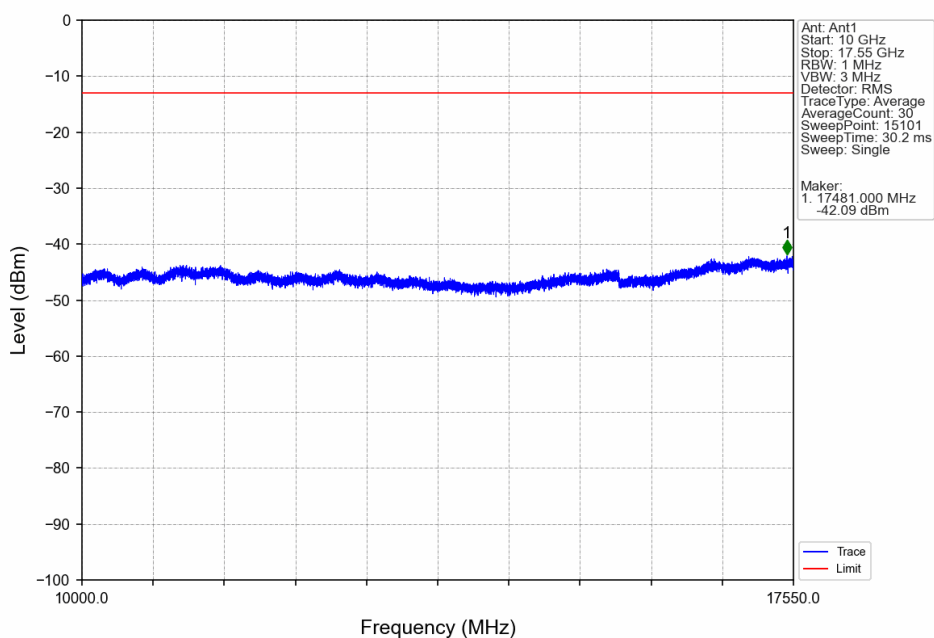


Test Report No.: RF260330B003

Band4_20MHz_64QAM_HCH_1745MHz_RB_1_0_NTNV



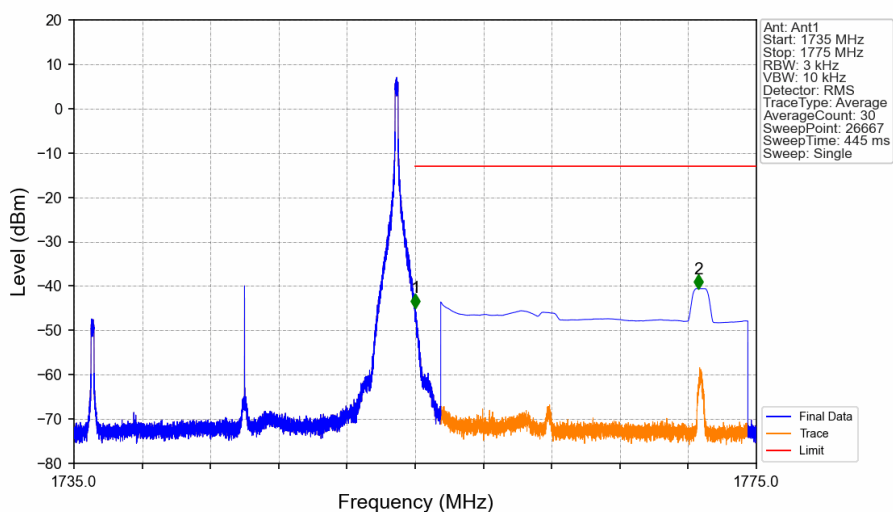
Band4_20MHz_64QAM_HCH_1745MHz_RB_1_0_NTNV





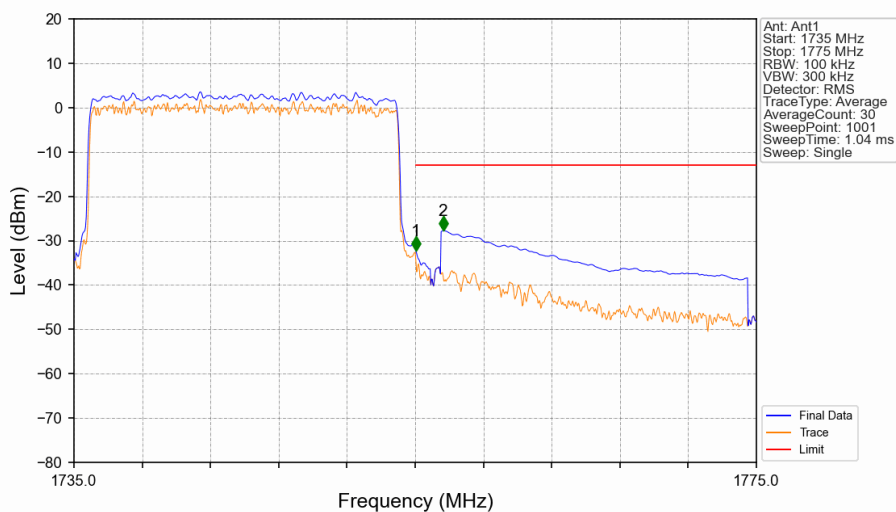
Test Report No.: RF260330B003

Band4_20MHz_64QAM_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.007	-44.88	-13	Pass
1756	1775	1	CHP	2	1771.604	-40.58	-13	Pass

Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.197	CHP	/	/	/	/	/
1755	1756	0.197	CHP	1	1755.040	-32.21	-13	Pass
1756	1775	1	CHP	2	1756.640	-27.73	-13	Pass



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LTE BAND38 FREQUENCY STABILITY

Test Result

5MHz

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.4	-4.800	-0.0019	-2.5 to 2.5	Pass
					4	2.100	0.0008	-2.5 to 2.5	Pass
					4.6	7.200	0.0028	-2.5 to 2.5	Pass
				5	4	-0.700	-0.0003	-2.5 to 2.5	Pass
				15	4	2.500	0.0010	-2.5 to 2.5	Pass
				25	4	-1.600	-0.0006	-2.5 to 2.5	Pass
				35	4	3.000	0.0012	-2.5 to 2.5	Pass
	2595	25	0	20	3.4	6.400	0.0025	-2.5 to 2.5	Pass
					4	1.800	0.0007	-2.5 to 2.5	Pass
					4.6	0.500	0.0002	-2.5 to 2.5	Pass
				5	4	2.100	0.0008	-2.5 to 2.5	Pass
				15	4	3.000	0.0012	-2.5 to 2.5	Pass
				25	4	1.700	0.0007	-2.5 to 2.5	Pass
				35	4	-1.600	-0.0006	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.4	-0.500	-0.0002	-2.5 to 2.5	Pass
					4	-0.900	-0.0003	-2.5 to 2.5	Pass
					4.6	0.100	0.0000	-2.5 to 2.5	Pass
				5	4	-2.200	-0.0008	-2.5 to 2.5	Pass
				15	4	-1.000	-0.0004	-2.5 to 2.5	Pass
				25	4	-2.100	-0.0008	-2.5 to 2.5	Pass
				35	4	1.100	0.0004	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.4	1.800	0.0007	-2.5 to 2.5	Pass
					4	1.000	0.0004	-2.5 to 2.5	Pass
					4.6	3.100	0.0012	-2.5 to 2.5	Pass
				5	4	5.200	0.0020	-2.5 to 2.5	Pass
				15	4	3.200	0.0012	-2.5 to 2.5	Pass
				25	4	4.600	0.0018	-2.5 to 2.5	Pass
				35	4	3.200	0.0012	-2.5 to 2.5	Pass
	2595	25	0	20	3.4	3.800	0.0015	-2.5 to 2.5	Pass
					4	3.800	0.0015	-2.5 to 2.5	Pass
					4.6	4.700	0.0018	-2.5 to 2.5	Pass
				5	4	2.400	0.0009	-2.5 to 2.5	Pass
				15	4	-3.500	-0.0013	-2.5 to 2.5	Pass
				25	4	3.300	0.0013	-2.5 to 2.5	Pass
				35	4	0.600	0.0002	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.4	-2.200	-0.0008	-2.5 to 2.5	Pass
					4	-0.100	0.0000	-2.5 to 2.5	Pass
					4.6	1.300	0.0005	-2.5 to 2.5	Pass
				5	4	0.400	0.0002	-2.5 to 2.5	Pass
15				4	-0.500	-0.0002	-2.5 to 2.5	Pass	
25				4	-0.100	0.0000	-2.5 to 2.5	Pass	



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				35	4	-1.400	-0.0005	-2.5 to 2.5	Pass
64QAM	2572.5	25	0	20	3.4	8.000	0.0031	-2.5 to 2.5	Pass
					4	-77.400	-0.0301	-2.5 to 2.5	Pass
					4.6	-2.800	-0.0011	-2.5 to 2.5	Pass
				5	4	-24.400	-0.0095	-2.5 to 2.5	Pass
				15	4	-7.500	-0.0029	-2.5 to 2.5	Pass
				25	4	20.500	0.0080	-2.5 to 2.5	Pass
				35	4	27.300	0.0106	-2.5 to 2.5	Pass
	2595	25	0	20	3.4	3.600	0.0014	-2.5 to 2.5	Pass
					4	-35.800	-0.0138	-2.5 to 2.5	Pass
					4.6	-26.200	-0.0101	-2.5 to 2.5	Pass
				5	4	7.000	0.0027	-2.5 to 2.5	Pass
				15	4	26.700	0.0103	-2.5 to 2.5	Pass
				25	4	22.100	0.0085	-2.5 to 2.5	Pass
				35	4	14.500	0.0056	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.4	25.200	0.0096	-2.5 to 2.5	Pass
					4	19.000	0.0073	-2.5 to 2.5	Pass
					4.6	-38.600	-0.0147	-2.5 to 2.5	Pass
				5	4	-10.600	-0.0040	-2.5 to 2.5	Pass
				15	4	16.900	0.0065	-2.5 to 2.5	Pass
				25	4	-37.400	-0.0143	-2.5 to 2.5	Pass
				35	4	-35.200	-0.0134	-2.5 to 2.5	Pass

10MHz

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	3.4	0.800	0.0003	-2.5 to 2.5	Pass
					4	2.500	0.0010	-2.5 to 2.5	Pass
					4.6	1.400	0.0005	-2.5 to 2.5	Pass
				5	4	-0.200	-0.0001	-2.5 to 2.5	Pass
				15	4	0.400	0.0002	-2.5 to 2.5	Pass
				25	4	3.100	0.0012	-2.5 to 2.5	Pass
				35	4	2.300	0.0009	-2.5 to 2.5	Pass
	2595	50	0	20	3.4	3.000	0.0012	-2.5 to 2.5	Pass
					4	-2.000	-0.0008	-2.5 to 2.5	Pass
					4.6	-5.000	-0.0019	-2.5 to 2.5	Pass
				5	4	0.000	0.0000	-2.5 to 2.5	Pass
				15	4	0.600	0.0002	-2.5 to 2.5	Pass
				25	4	-4.200	-0.0016	-2.5 to 2.5	Pass
				35	4	3.900	0.0015	-2.5 to 2.5	Pass
	2615	50	0	20	3.4	-2.900	-0.0011	-2.5 to 2.5	Pass
					4	-2.900	-0.0011	-2.5 to 2.5	Pass
					4.6	1.300	0.0005	-2.5 to 2.5	Pass
				5	4	2.400	0.0009	-2.5 to 2.5	Pass
				15	4	-3.500	-0.0013	-2.5 to 2.5	Pass
				25	4	-4.700	-0.0018	-2.5 to 2.5	Pass
				35	4	-1.400	-0.0005	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.4	-0.300	-0.0001	-2.5 to 2.5	Pass
					4	-3.200	-0.0012	-2.5 to 2.5	Pass
					4.6	0.600	0.0002	-2.5 to 2.5	Pass
				5	4	-1.300	-0.0005	-2.5 to 2.5	Pass
				15	4	2.000	0.0008	-2.5 to 2.5	Pass

BOOMWAVE TEST (SHENZHEN)
CO., LTD.

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th
Road, Chiwan Community, Zhaoshang Street, Nanshan
District, Shenzhen, Guangdong, P.R. CHINA

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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				25	4	1.900	0.0007	-2.5 to 2.5	Pass
				35	4	4.800	0.0019	-2.5 to 2.5	Pass
	2595	50	0	20	3.4	3.100	0.0012	-2.5 to 2.5	Pass
					4	-0.500	-0.0002	-2.5 to 2.5	Pass
					4.6	-0.400	-0.0002	-2.5 to 2.5	Pass
				5	4	0.500	0.0002	-2.5 to 2.5	Pass
				15	4	-2.100	-0.0008	-2.5 to 2.5	Pass
				25	4	3.800	0.0015	-2.5 to 2.5	Pass
				35	4	-2.800	-0.0011	-2.5 to 2.5	Pass
	2615	50	0	20	3.4	-1.200	-0.0005	-2.5 to 2.5	Pass
					4	-6.300	-0.0024	-2.5 to 2.5	Pass
					4.6	-2.000	-0.0008	-2.5 to 2.5	Pass
				5	4	-1.100	-0.0004	-2.5 to 2.5	Pass
				15	4	1.100	0.0004	-2.5 to 2.5	Pass
				25	4	-0.800	-0.0003	-2.5 to 2.5	Pass
				35	4	-2.700	-0.0010	-2.5 to 2.5	Pass
64QAM	2575	50	0	20	3.4	-22.500	-0.0087	-2.5 to 2.5	Pass
					4	15.800	0.0061	-2.5 to 2.5	Pass
					4.6	17.000	0.0066	-2.5 to 2.5	Pass
				5	4	18.600	0.0072	-2.5 to 2.5	Pass
				15	4	28.700	0.0111	-2.5 to 2.5	Pass
				25	4	9.400	0.0037	-2.5 to 2.5	Pass
				35	4	11.500	0.0045	-2.5 to 2.5	Pass
	2595	50	0	20	3.4	7.000	0.0027	-2.5 to 2.5	Pass
					4	-5.200	-0.0020	-2.5 to 2.5	Pass
					4.6	-7.900	-0.0030	-2.5 to 2.5	Pass
				5	4	23.500	0.0091	-2.5 to 2.5	Pass
				15	4	8.300	0.0032	-2.5 to 2.5	Pass
				25	4	-32.600	-0.0126	-2.5 to 2.5	Pass
				35	4	23.900	0.0092	-2.5 to 2.5	Pass
	2615	50	0	20	3.4	0.000	0.0000	-2.5 to 2.5	Pass
					4	17.900	0.0068	-2.5 to 2.5	Pass
					4.6	-4.600	-0.0018	-2.5 to 2.5	Pass
				5	4	-33.900	-0.0130	-2.5 to 2.5	Pass
				15	4	28.000	0.0107	-2.5 to 2.5	Pass
				25	4	-22.800	-0.0087	-2.5 to 2.5	Pass
				35	4	0.900	0.0003	-2.5 to 2.5	Pass

15MHz

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	3.4	-1.600	-0.0006	-2.5 to 2.5	Pass
					4	-5.400	-0.0021	-2.5 to 2.5	Pass
					4.6	-1.200	-0.0005	-2.5 to 2.5	Pass
				5	4	-7.200	-0.0028	-2.5 to 2.5	Pass
				15	4	-5.600	-0.0022	-2.5 to 2.5	Pass
				25	4	0.900	0.0003	-2.5 to 2.5	Pass
				35	4	-5.000	-0.0019	-2.5 to 2.5	Pass
	2595	75	0	20	3.4	-0.200	-0.0001	-2.5 to 2.5	Pass
					4	1.400	0.0005	-2.5 to 2.5	Pass
					4.6	2.700	0.0010	-2.5 to 2.5	Pass
				5	4	-3.200	-0.0012	-2.5 to 2.5	Pass

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				15	4	0.700	0.0003	-2.5 to 2.5	Pass
				25	4	5.200	0.0020	-2.5 to 2.5	Pass
				35	4	-0.300	-0.0001	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.4	-0.600	-0.0002	-2.5 to 2.5	Pass
					4	0.800	0.0003	-2.5 to 2.5	Pass
					4.6	-3.600	-0.0014	-2.5 to 2.5	Pass
				5	4	2.300	0.0009	-2.5 to 2.5	Pass
				15	4	3.100	0.0012	-2.5 to 2.5	Pass
				25	4	0.300	0.0001	-2.5 to 2.5	Pass
				35	4	7.000	0.0027	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	3.4	-0.600	-0.0002	-2.5 to 2.5	Pass
					4	5.200	0.0020	-2.5 to 2.5	Pass
					4.6	-14.200	-0.0055	-2.5 to 2.5	Pass
				5	4	-8.200	-0.0032	-2.5 to 2.5	Pass
				15	4	-2.300	-0.0009	-2.5 to 2.5	Pass
				25	4	-3.400	-0.0013	-2.5 to 2.5	Pass
				35	4	0.000	0.0000	-2.5 to 2.5	Pass
	2595	75	0	20	3.4	7.300	0.0028	-2.5 to 2.5	Pass
					4	-3.000	-0.0012	-2.5 to 2.5	Pass
					4.6	0.400	0.0002	-2.5 to 2.5	Pass
				5	4	-0.700	-0.0003	-2.5 to 2.5	Pass
				15	4	0.600	0.0002	-2.5 to 2.5	Pass
				25	4	-0.800	-0.0003	-2.5 to 2.5	Pass
				35	4	-1.600	-0.0006	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.4	-1.500	-0.0006	-2.5 to 2.5	Pass
					4	-1.700	-0.0007	-2.5 to 2.5	Pass
					4.6	2.600	0.0010	-2.5 to 2.5	Pass
				5	4	-2.400	-0.0009	-2.5 to 2.5	Pass
				15	4	2.500	0.0010	-2.5 to 2.5	Pass
				25	4	-1.000	-0.0004	-2.5 to 2.5	Pass
				35	4	-1.100	-0.0004	-2.5 to 2.5	Pass
64QAM	2577.5	75	0	20	3.4	11.100	0.0043	-2.5 to 2.5	Pass
					4	5.800	0.0023	-2.5 to 2.5	Pass
					4.6	27.400	0.0106	-2.5 to 2.5	Pass
				5	4	-10.200	-0.0040	-2.5 to 2.5	Pass
				15	4	1.300	0.0005	-2.5 to 2.5	Pass
				25	4	12.500	0.0048	-2.5 to 2.5	Pass
				35	4	9.500	0.0037	-2.5 to 2.5	Pass
	2595	75	0	20	3.4	-9.700	-0.0037	-2.5 to 2.5	Pass
					4	3.100	0.0012	-2.5 to 2.5	Pass
					4.6	-26.700	-0.0103	-2.5 to 2.5	Pass
				5	4	7.600	0.0029	-2.5 to 2.5	Pass
				15	4	6.500	0.0025	-2.5 to 2.5	Pass
				25	4	3.300	0.0013	-2.5 to 2.5	Pass
				35	4	-7.300	-0.0028	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.4	5.200	0.0020	-2.5 to 2.5	Pass
					4	-10.800	-0.0041	-2.5 to 2.5	Pass
					4.6	6.000	0.0023	-2.5 to 2.5	Pass
				5	4	-14.200	-0.0054	-2.5 to 2.5	Pass
				15	4	-9.700	-0.0037	-2.5 to 2.5	Pass
				25	4	-15.100	-0.0058	-2.5 to 2.5	Pass
				35	4	9.500	0.0036	-2.5 to 2.5	Pass



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20MHz

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.4	2.100	0.0008	-2.5 to 2.5	Pass
					4	-1.600	-0.0006	-2.5 to 2.5	Pass
					4.6	7.400	0.0029	-2.5 to 2.5	Pass
				5	4	1.400	0.0005	-2.5 to 2.5	Pass
				15	4	-3.500	-0.0014	-2.5 to 2.5	Pass
				25	4	0.100	0.0000	-2.5 to 2.5	Pass
	2595	100	0	20	3.4	-1.900	-0.0007	-2.5 to 2.5	Pass
					4	-0.900	-0.0003	-2.5 to 2.5	Pass
					4.6	-3.600	-0.0014	-2.5 to 2.5	Pass
				5	4	-0.700	-0.0003	-2.5 to 2.5	Pass
				15	4	-6.000	-0.0023	-2.5 to 2.5	Pass
				25	4	1.400	0.0005	-2.5 to 2.5	Pass
	2610	100	0	20	3.4	-2.200	-0.0008	-2.5 to 2.5	Pass
					4	1.900	0.0007	-2.5 to 2.5	Pass
					4.6	-2.900	-0.0011	-2.5 to 2.5	Pass
				5	4	-4.100	-0.0016	-2.5 to 2.5	Pass
				15	4	0.500	0.0002	-2.5 to 2.5	Pass
				25	4	-0.200	-0.0001	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.4	1.700	0.0007	-2.5 to 2.5	Pass
					4	-0.500	-0.0002	-2.5 to 2.5	Pass
					4.6	-1.000	-0.0004	-2.5 to 2.5	Pass
				5	4	-3.200	-0.0012	-2.5 to 2.5	Pass
				15	4	1.100	0.0004	-2.5 to 2.5	Pass
				25	4	-3.000	-0.0012	-2.5 to 2.5	Pass
	2595	100	0	20	3.4	-3.500	-0.0013	-2.5 to 2.5	Pass
					4	-1.100	-0.0004	-2.5 to 2.5	Pass
					4.6	-0.700	-0.0003	-2.5 to 2.5	Pass
				5	4	-1.300	-0.0005	-2.5 to 2.5	Pass
				15	4	-4.900	-0.0019	-2.5 to 2.5	Pass
				25	4	-0.100	0.0000	-2.5 to 2.5	Pass
	2610	100	0	20	3.4	2.900	0.0011	-2.5 to 2.5	Pass
					4	0.300	0.0001	-2.5 to 2.5	Pass
					4.6	-3.700	-0.0014	-2.5 to 2.5	Pass
				5	4	1.900	0.0007	-2.5 to 2.5	Pass
				15	4	-3.600	-0.0014	-2.5 to 2.5	Pass
				25	4	-2.400	-0.0009	-2.5 to 2.5	Pass
64QAM	2580	100	0	20	3.4	0.100	0.0000	-2.5 to 2.5	Pass
					4	-3.800	-0.0015	-2.5 to 2.5	Pass
					4.6	0.100	0.0000	-2.5 to 2.5	Pass
				5	4	15.100	0.0059	-2.5 to 2.5	Pass
				15	4	6.400	0.0025	-2.5 to 2.5	Pass
				25	4	4.700	0.0018	-2.5 to 2.5	Pass
64QAM	2580	100	0	20	3.4	-1.600	-0.0006	-2.5 to 2.5	Pass
					4	-1.600	-0.0006	-2.5 to 2.5	Pass
					4.6	-1.600	-0.0006	-2.5 to 2.5	Pass
				5	4	-1.600	-0.0006	-2.5 to 2.5	Pass
				15	4	-1.600	-0.0006	-2.5 to 2.5	Pass
				25	4	-1.600	-0.0006	-2.5 to 2.5	Pass

BOOMWAVE TEST (SHENZHEN)
CO., LTD.

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan 4th
Road, Chiwan Community, Zhaoshang Street, Nanshan
District, Shenzhen, Guangdong, P.R. CHINA

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



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	2595	100	0	20	3.4	-9.100	-0.0035	-2.5 to 2.5	Pass
					4	-18.600	-0.0072	-2.5 to 2.5	Pass
					4.6	-5.500	-0.0021	-2.5 to 2.5	Pass
				5	4	-22.600	-0.0087	-2.5 to 2.5	Pass
				15	4	-14.800	-0.0057	-2.5 to 2.5	Pass
				25	4	-12.800	-0.0049	-2.5 to 2.5	Pass
				35	4	19.400	0.0075	-2.5 to 2.5	Pass
	2610	100	0	20	3.4	15.600	0.0060	-2.5 to 2.5	Pass
					4	-6.000	-0.0023	-2.5 to 2.5	Pass
					4.6	2.400	0.0009	-2.5 to 2.5	Pass
				5	4	16.700	0.0064	-2.5 to 2.5	Pass
				15	4	1.400	0.0005	-2.5 to 2.5	Pass
				25	4	-0.700	-0.0003	-2.5 to 2.5	Pass
				35	4	1.400	0.0005	-2.5 to 2.5	Pass



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26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

OBW

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	4.527	/	Pass
		2595	25	0	4.520	/	Pass
		2617.5	25	0	4.519	/	Pass
	16QAM	2572.5	25	0	4.533	/	Pass
		2595	25	0	4.526	/	Pass
		2617.5	25	0	4.531	/	Pass
	64QAM	2572.5	25	0	4.520	/	Pass
		2595	25	0	4.523	/	Pass
		2617.5	25	0	4.528	/	Pass
10	QPSK	2575	50	0	9.001	/	Pass
		2595	50	0	9.012	/	Pass
		2615	50	0	9.031	/	Pass
	16QAM	2575	50	0	9.012	/	Pass
		2595	50	0	9.021	/	Pass
		2615	50	0	9.010	/	Pass
	64QAM	2575	50	0	9.021	/	Pass
		2595	50	0	9.012	/	Pass
		2615	50	0	9.015	/	Pass
15	QPSK	2577.5	75	0	13.503	/	Pass
		2595	75	0	13.525	/	Pass
		2612.5	75	0	13.492	/	Pass
	16QAM	2577.5	75	0	13.519	/	Pass
		2595	75	0	13.494	/	Pass
		2612.5	75	0	13.516	/	Pass
	64QAM	2577.5	75	0	13.488	/	Pass
		2595	75	0	13.532	/	Pass
		2612.5	75	0	13.504	/	Pass
20	QPSK	2580	100	0	18.021	/	Pass
		2595	100	0	18.029	/	Pass
		2610	100	0	17.990	/	Pass
	16QAM	2580	100	0	17.981	/	Pass
		2595	100	0	18.004	/	Pass
		2610	100	0	17.930	/	Pass
	64QAM	2580	100	0	18.055	/	Pass
		2595	100	0	17.914	/	Pass
		2610	100	0	18.053	/	Pass

XDB

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	5.423	/	Pass
		2595	25	0	5.201	/	Pass
		2617.5	25	0	5.316	/	Pass



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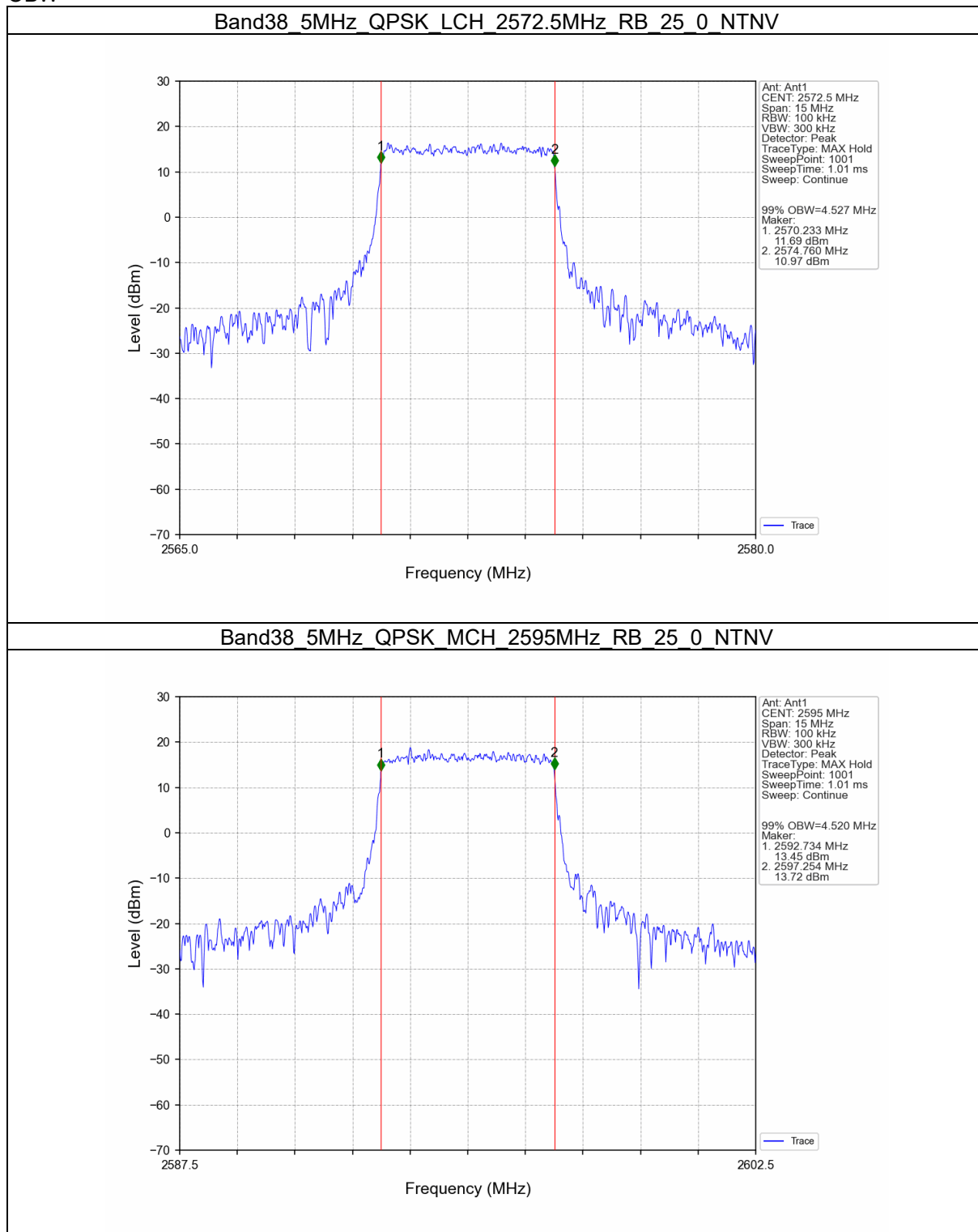
	16QAM	2572.5	25	0	5.182	/	Pass
		2595	25	0	5.380	/	Pass
		2617.5	25	0	5.305	/	Pass
	64QAM	2572.5	25	0	5.614	/	Pass
		2595	25	0	5.388	/	Pass
		2617.5	25	0	5.276	/	Pass
10	QPSK	2575	50	0	9.962	/	Pass
		2595	50	0	10.116	/	Pass
		2615	50	0	9.963	/	Pass
	16QAM	2575	50	0	10.065	/	Pass
		2595	50	0	9.952	/	Pass
		2615	50	0	10.033	/	Pass
	64QAM	2575	50	0	10.340	/	Pass
		2595	50	0	10.039	/	Pass
		2615	50	0	9.930	/	Pass
15	QPSK	2577.5	75	0	14.731	/	Pass
		2595	75	0	14.753	/	Pass
		2612.5	75	0	14.634	/	Pass
	16QAM	2577.5	75	0	15.741	/	Pass
		2595	75	0	14.798	/	Pass
		2612.5	75	0	14.637	/	Pass
	64QAM	2577.5	75	0	15.178	/	Pass
		2595	75	0	14.633	/	Pass
		2612.5	75	0	15.401	/	Pass
20	QPSK	2580	100	0	19.636	/	Pass
		2595	100	0	19.865	/	Pass
		2610	100	0	19.727	/	Pass
	16QAM	2580	100	0	19.738	/	Pass
		2595	100	0	19.502	/	Pass
		2610	100	0	19.554	/	Pass
	64QAM	2580	100	0	19.949	/	Pass
		2595	100	0	20.857	/	Pass
		2610	100	0	19.798	/	Pass



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Test Graph

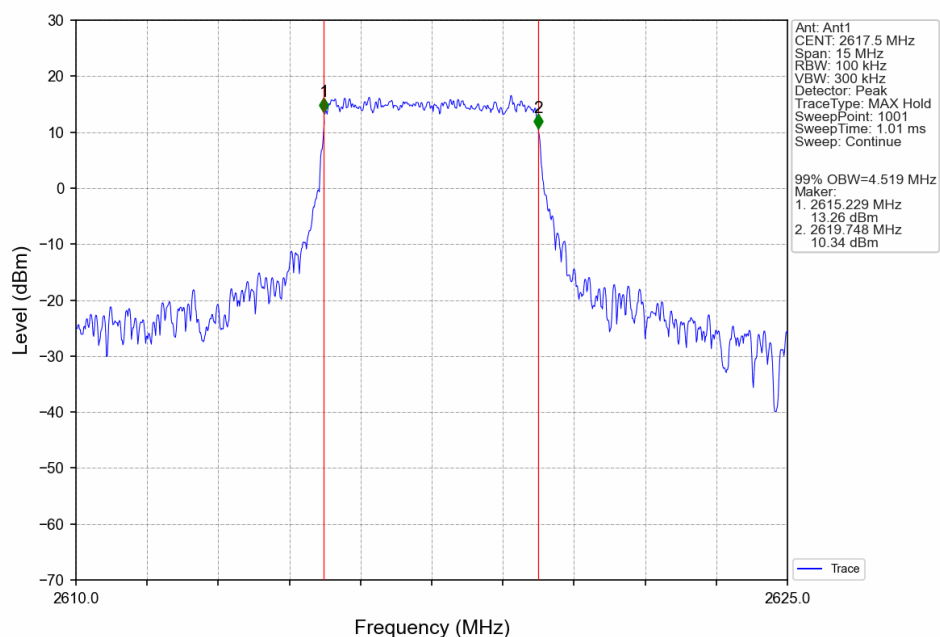
OBW



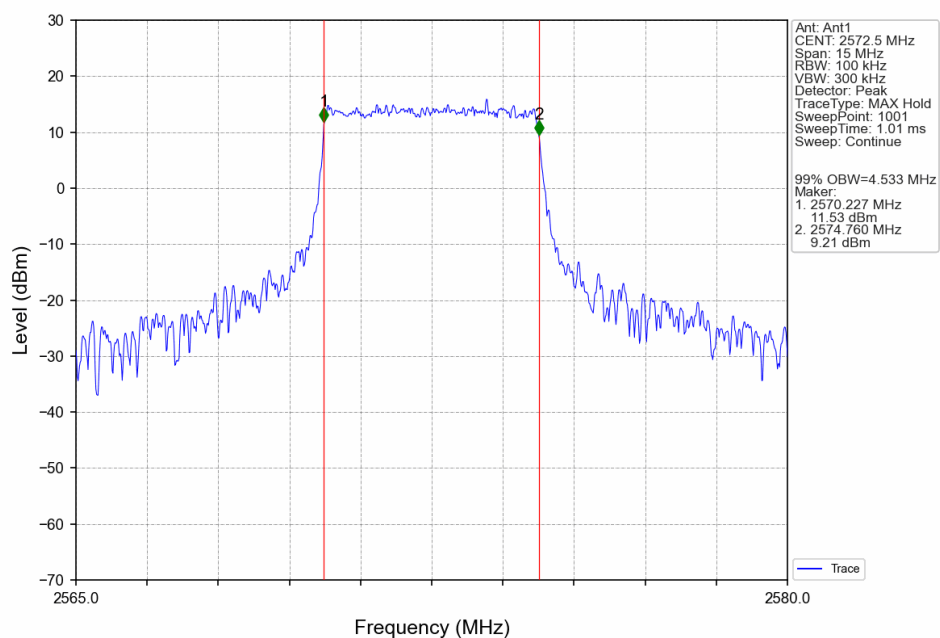


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Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



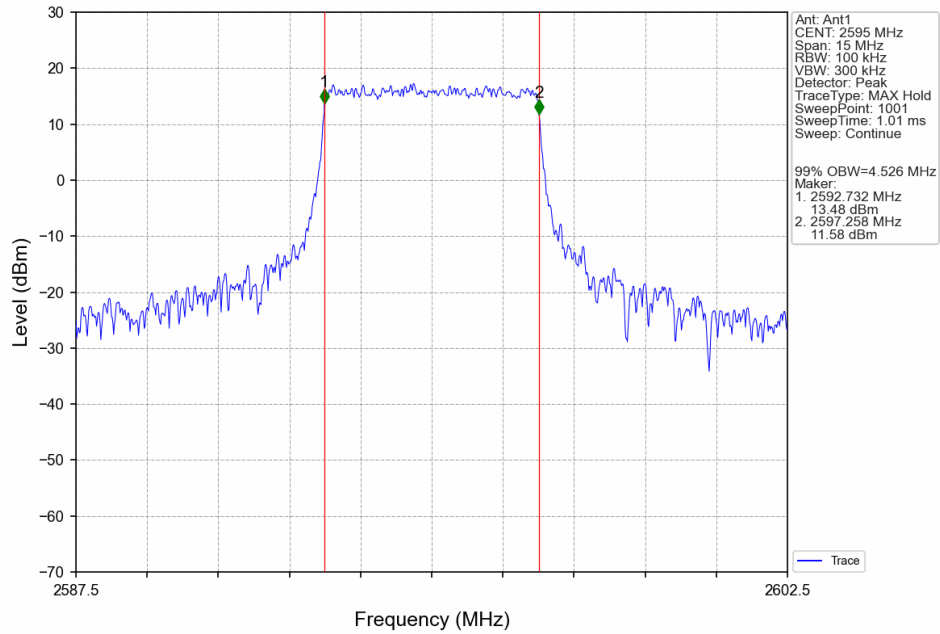
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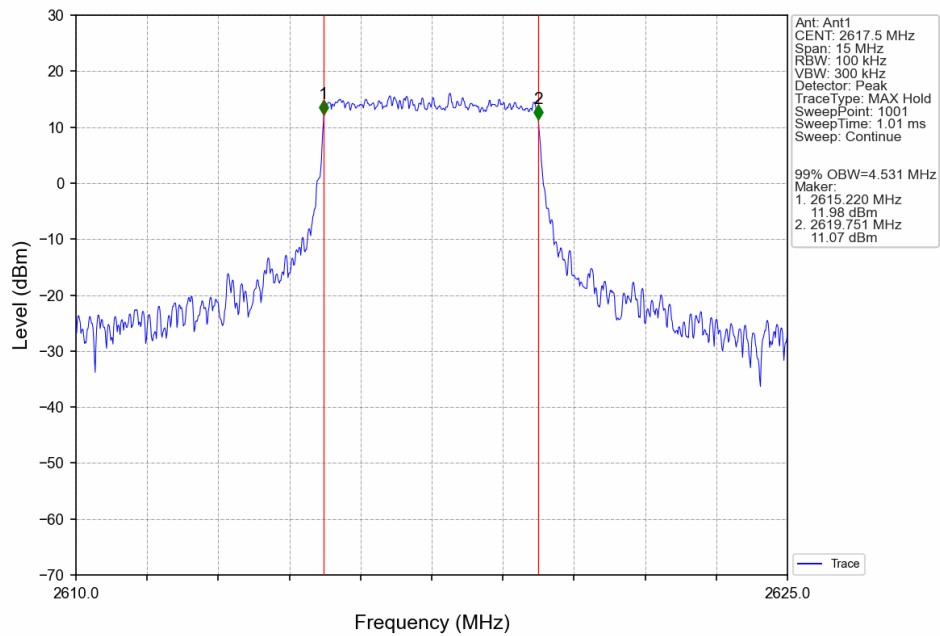


Test Report No.: RF260330B003

Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



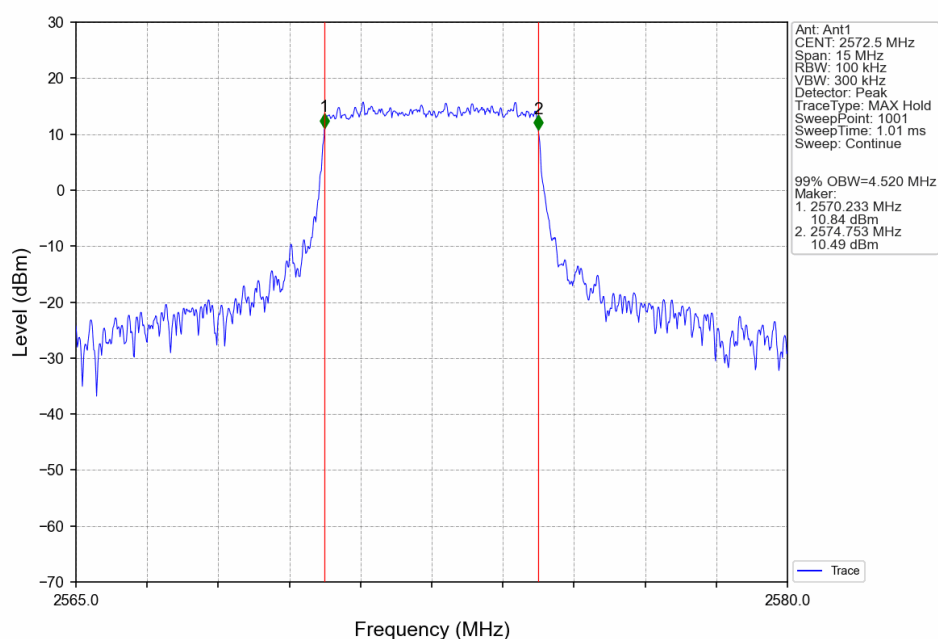
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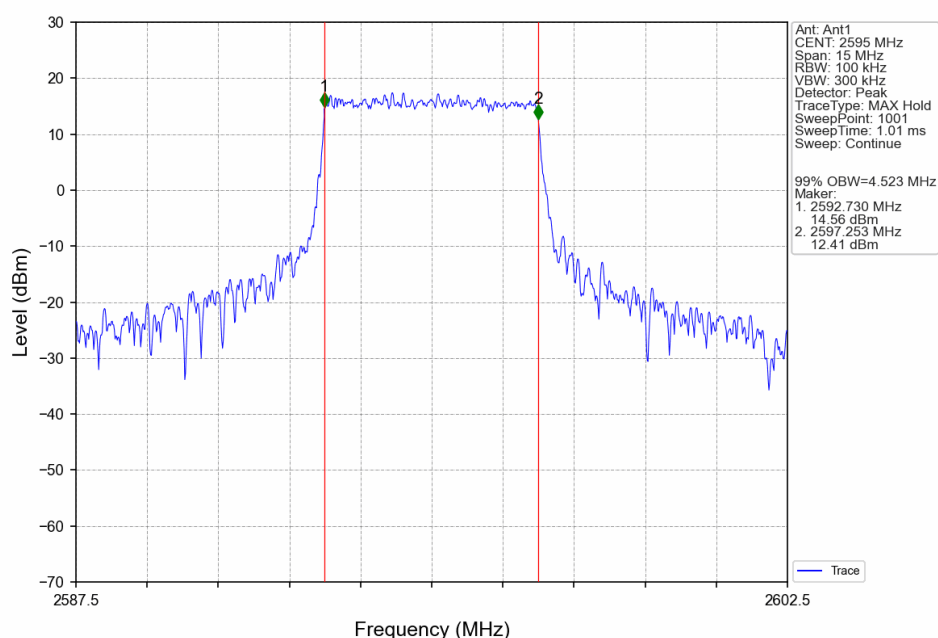


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Band38_5MHz_64QAM_LCH_2572.5MHz_RB_25_0_NTNV



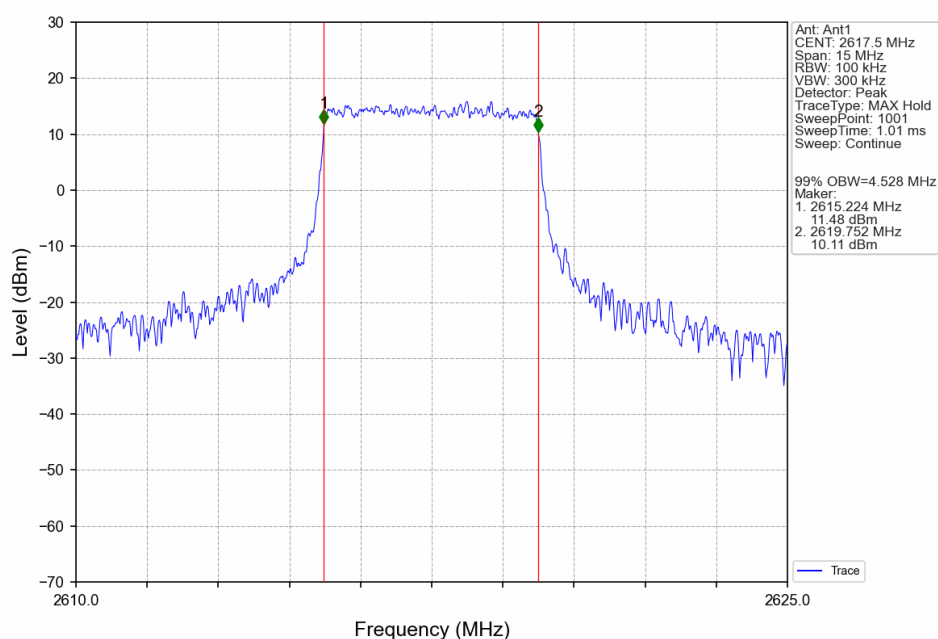
Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



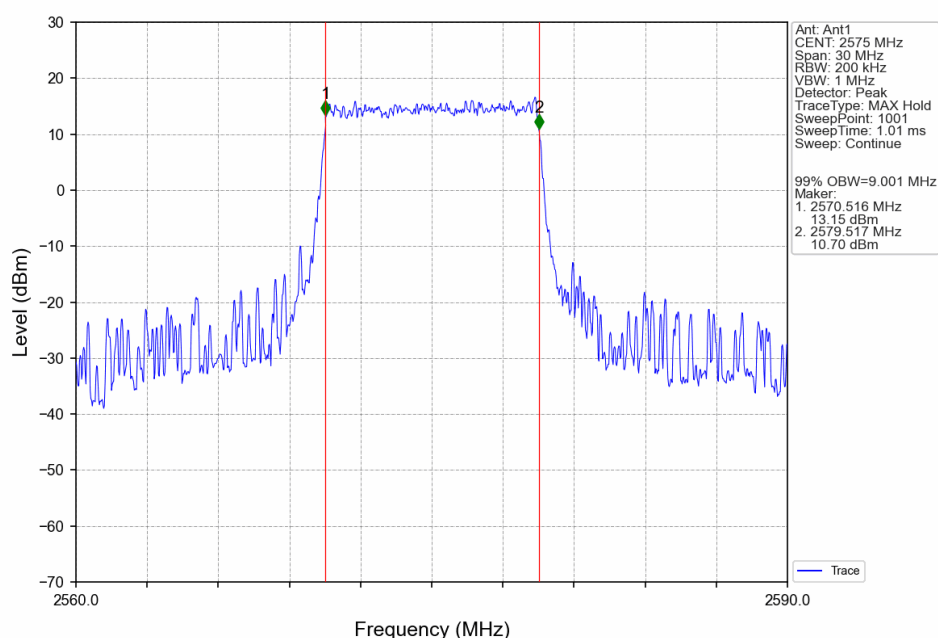


Test Report No.: RF260330B003

Band38_5MHz_64QAM_HCH_2617.5MHz_RB_25_0_NTNV



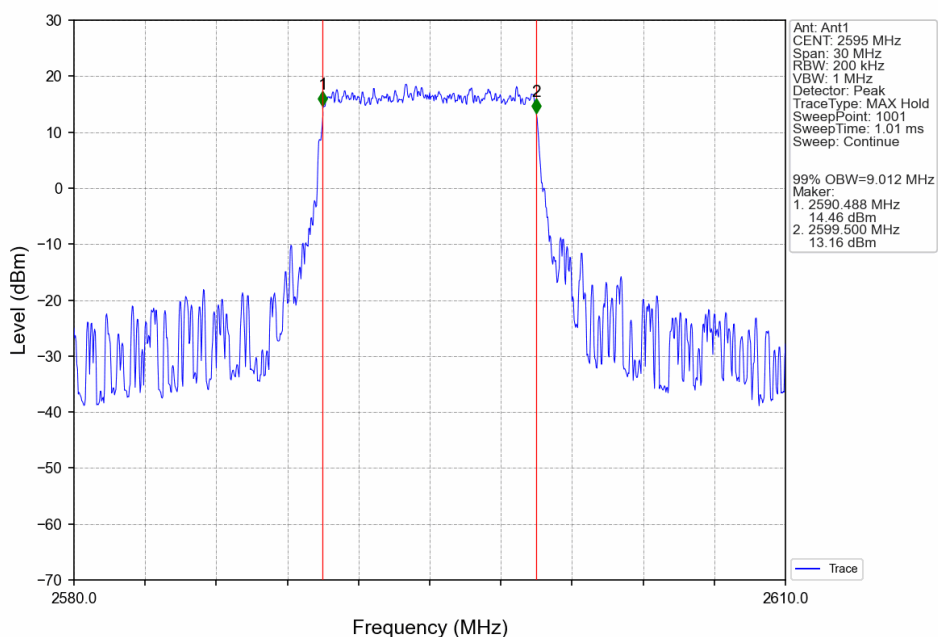
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



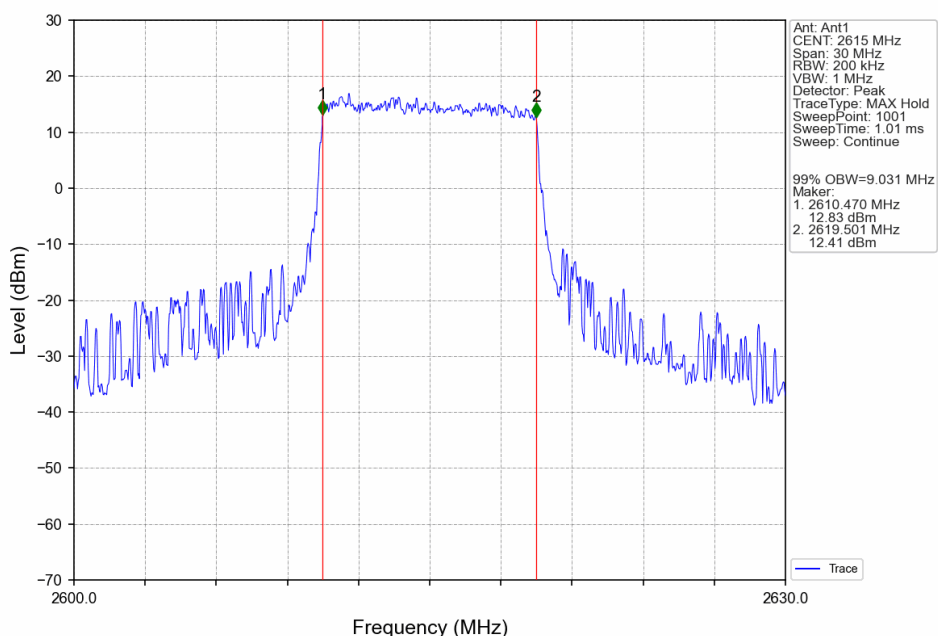


Test Report No.: RF260330B003

Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



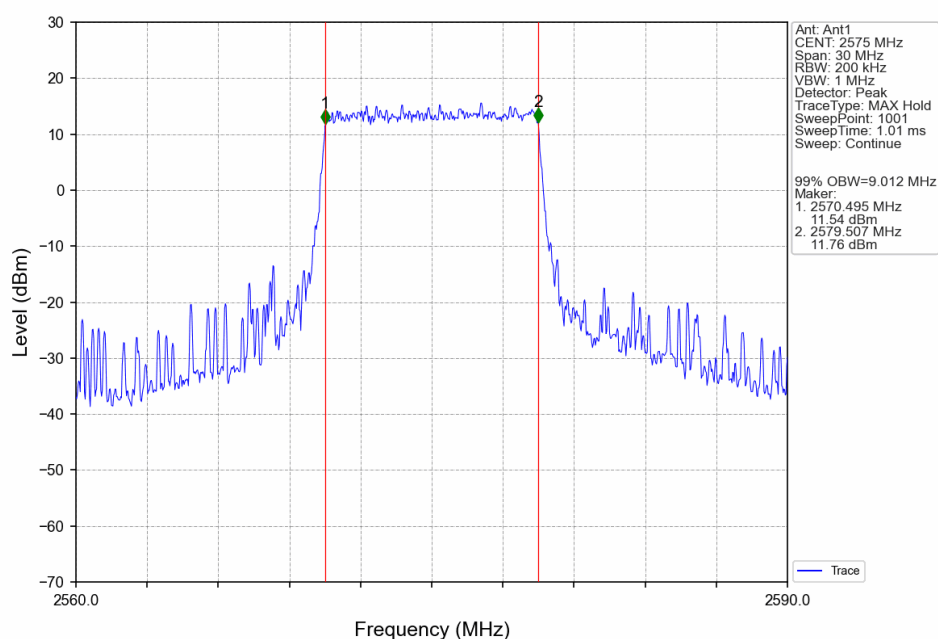
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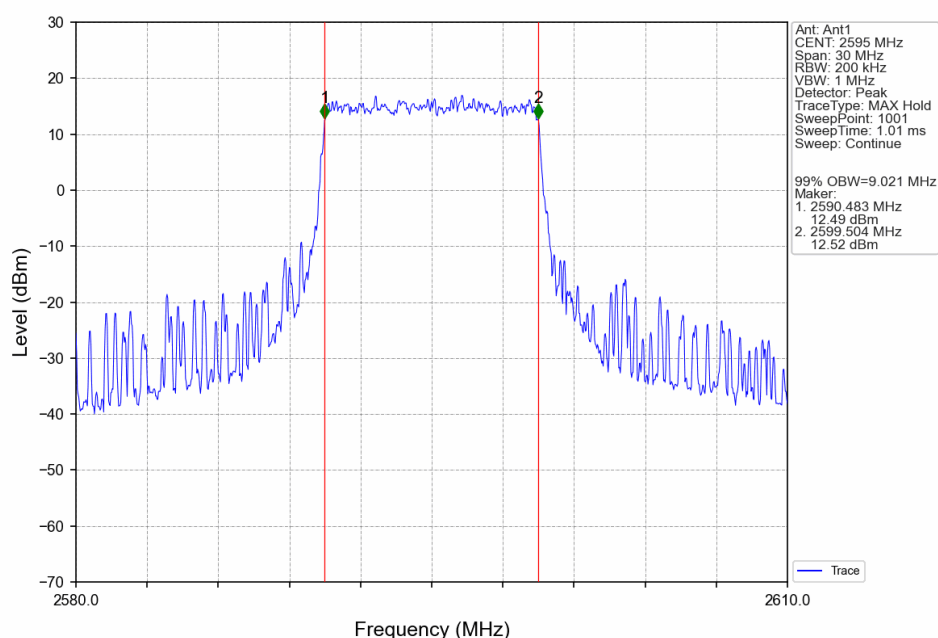


Test Report No.: RF260330B003

Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV

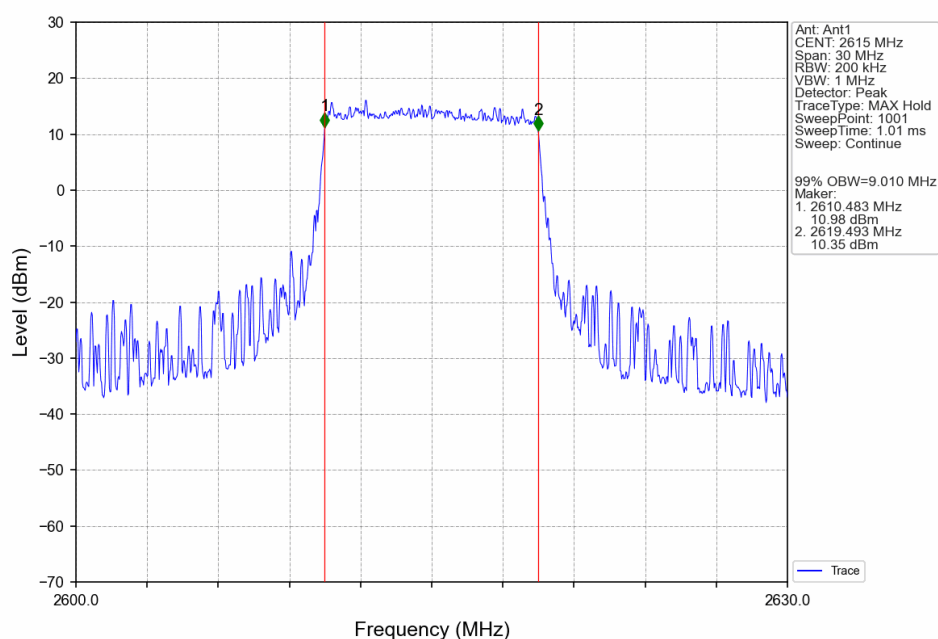


Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



Test Report No.: RF260330B003

Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV

