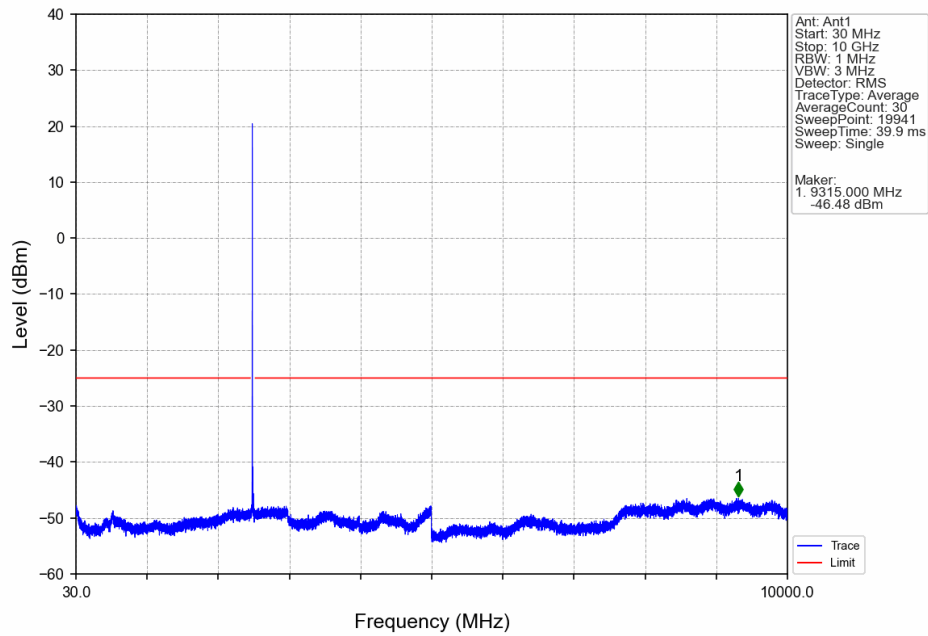


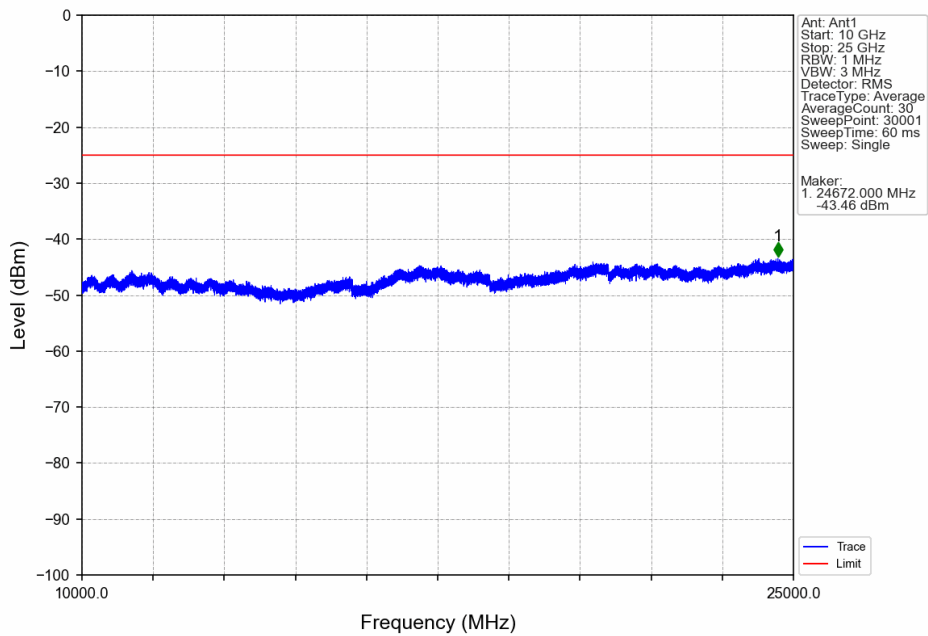


Test Report No.: RF260703B004

Band7_15MHz_16QAM_LCH_2507.5MHz_RB_1_0_NTNV



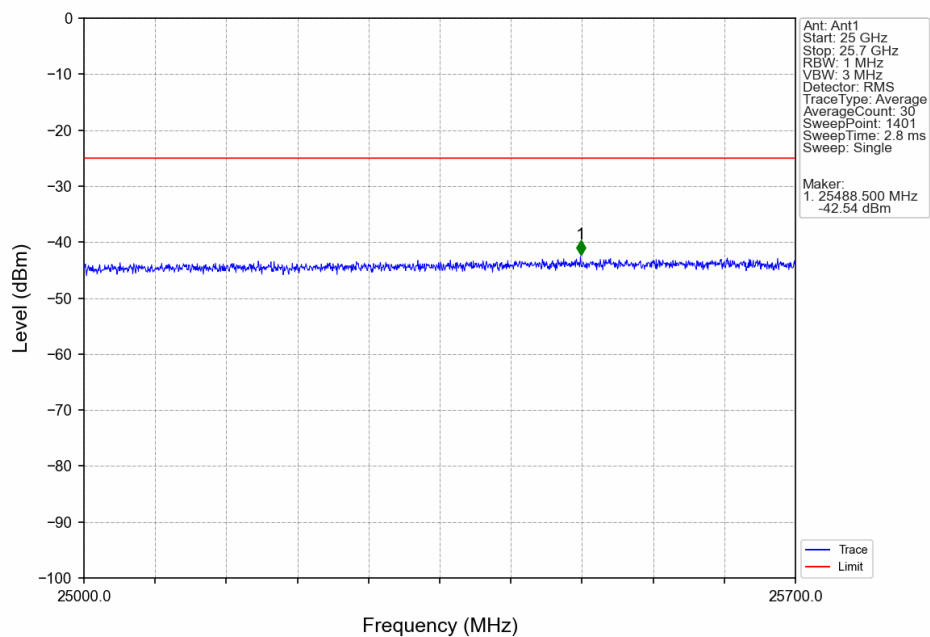
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_1_0_NTNV



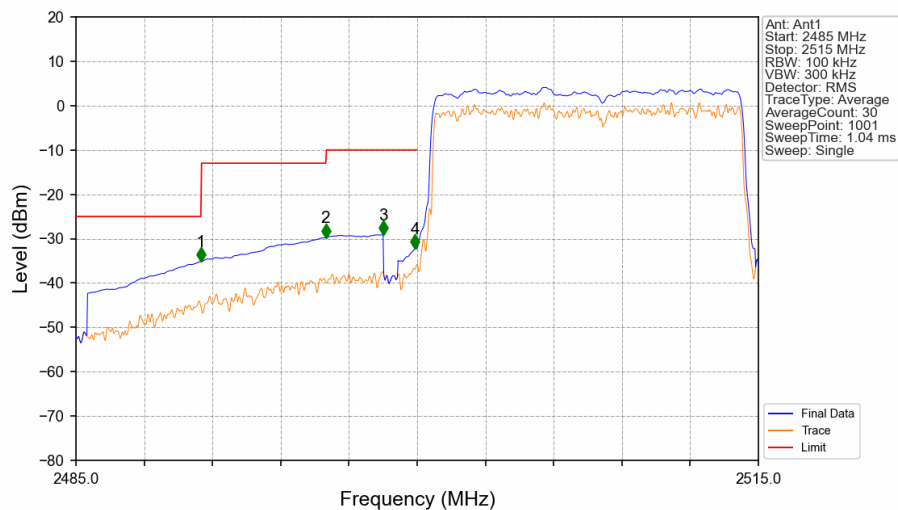


Test Report No.: RF260703B004

Band7_15MHz_16QAM_LCH_2507.5MHz_RB_1_0_NTNV



Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV

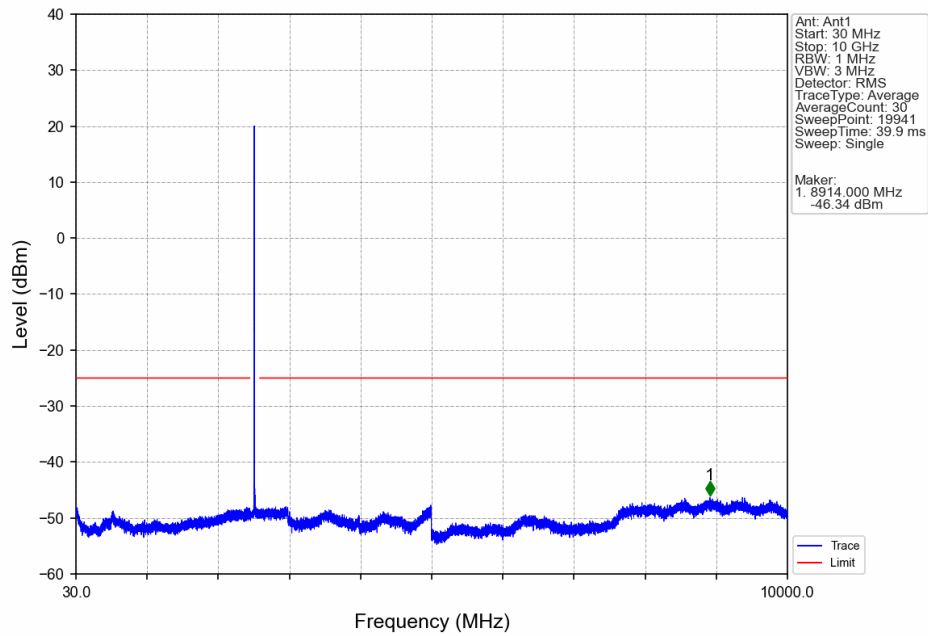


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-35.21	-25	Pass
2490.5	2496	1	CHP	2	2495.980	-29.76	-13	Pass
2496	2499	1	CHP	3	2498.500	-29.10	-10	Pass
2499	2500	0.292	CHP	4	2499.910	-32.30	-10	Pass
2500	2515	0.292	CHP	/	/	/	/	/

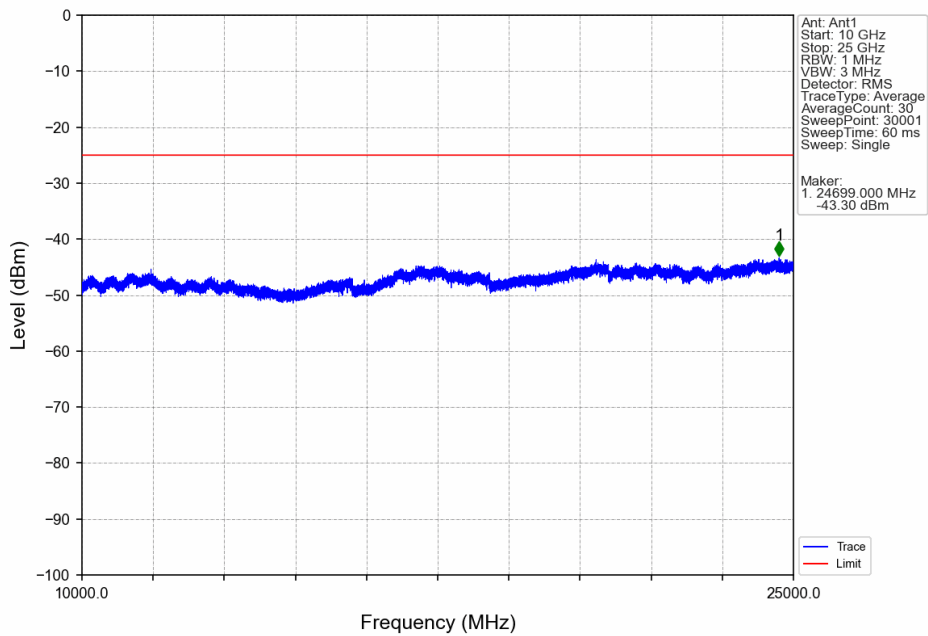


Test Report No.: RF260703B004

Band7_15MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



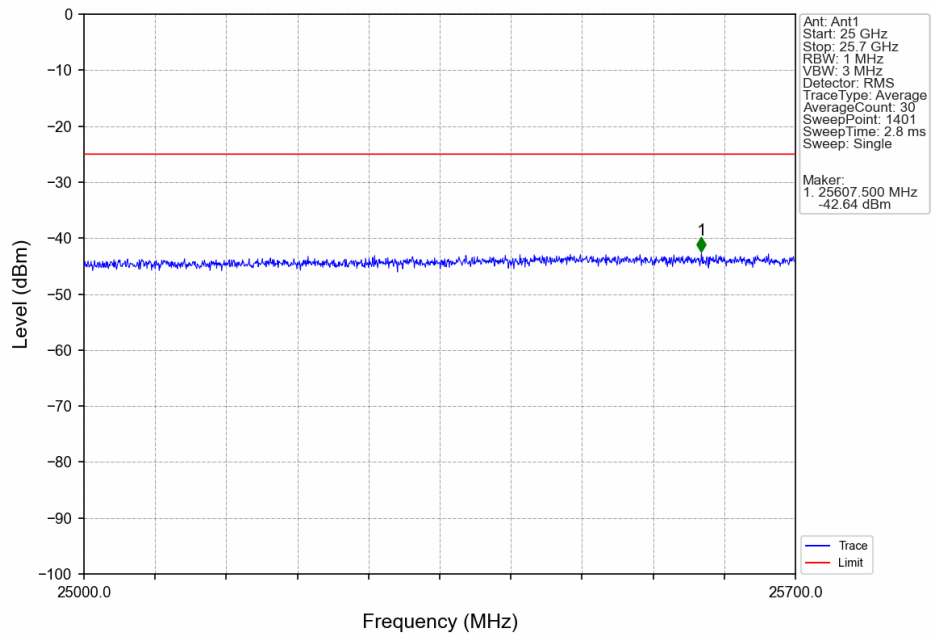
Band7_15MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



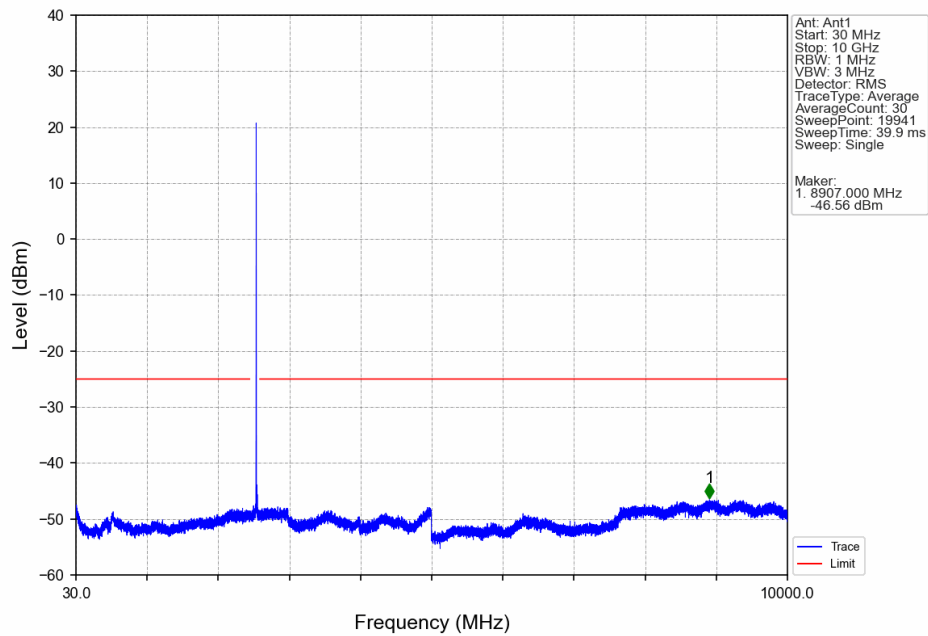


Test Report No.: RF260703B004

Band7_15MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



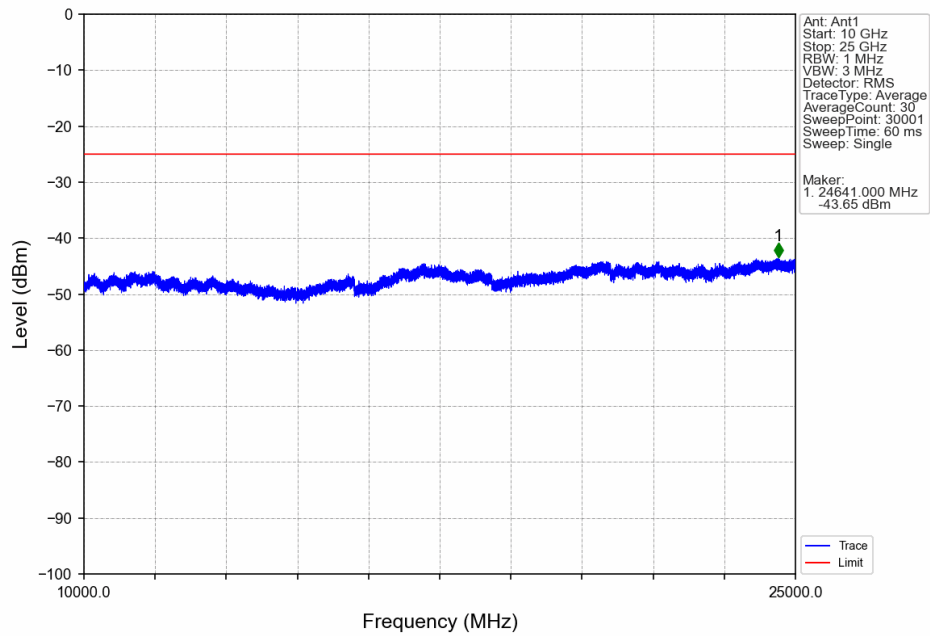
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_1_0_NTNV



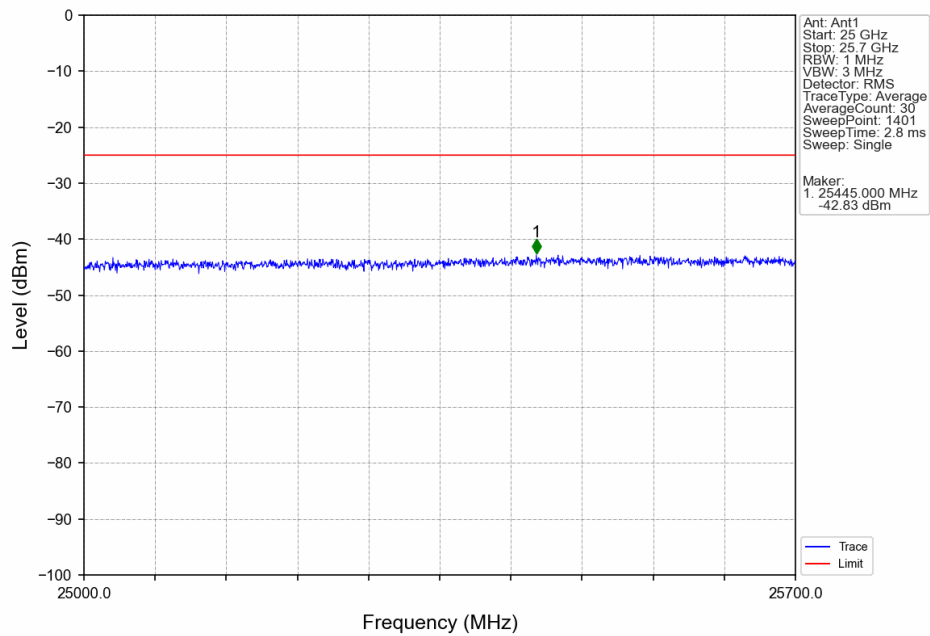


Test Report No.: RF260703B004

Band7_15MHz_16QAM_HCH_2562.5MHz_RB_1_0_NTNV



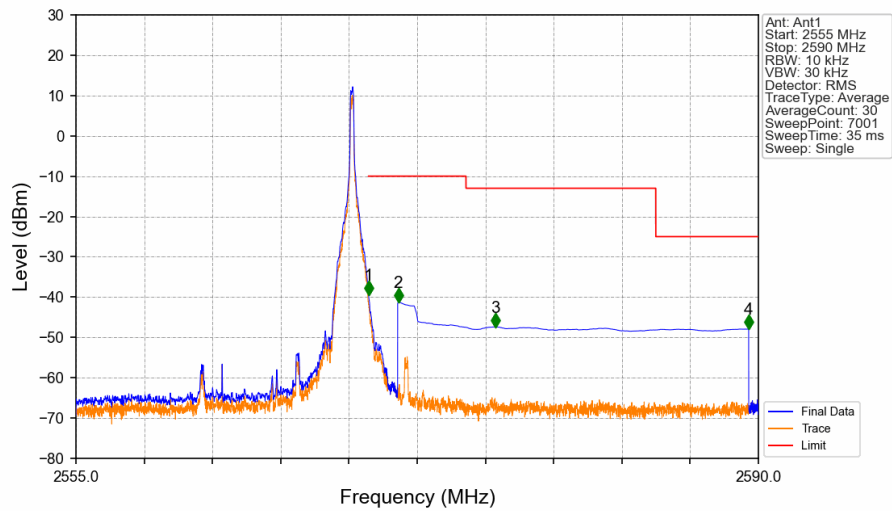
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_1_0_NTNV





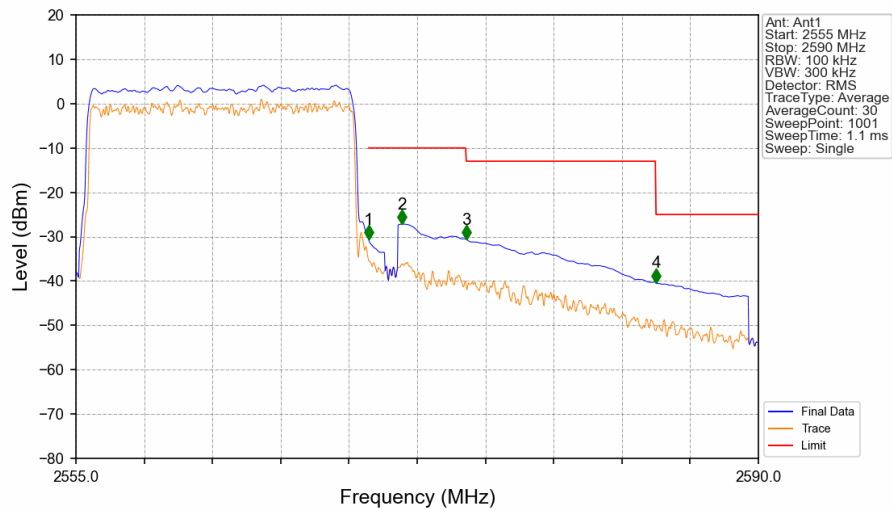
Test Report No.: RF260703B004

Band7_15MHz_16QAM_HCH_2562.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-39.42	-10	Pass
2571	2575	1	CHP	2	2571.535	-41.26	-10	Pass
2575	2584.739	1	CHP	3	2576.495	-47.40	-13	Pass
2584.739	2590	1	CHP	4	2589.495	-47.90	-25	Pass

Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV

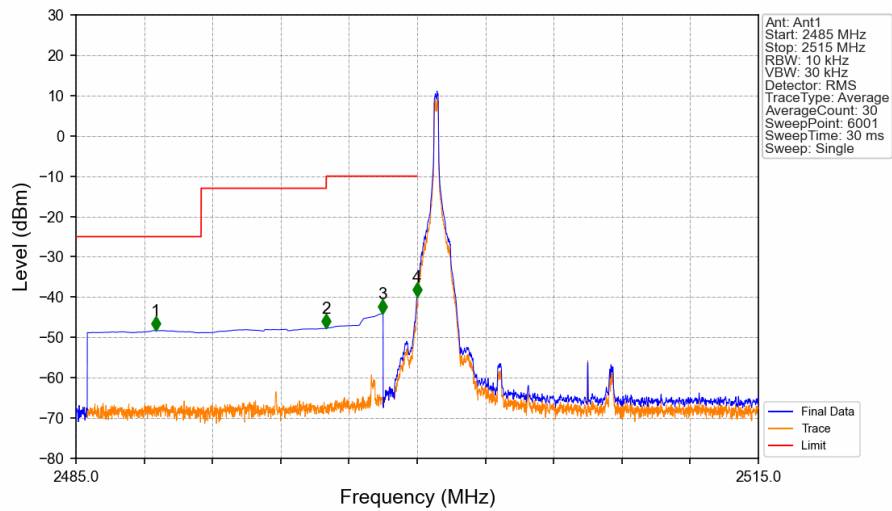


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.295	CHP	/	/	/	/	/
2570	2571	0.295	CHP	1	2570.015	-30.65	-10	Pass
2571	2575	1	CHP	2	2571.730	-27.15	-10	Pass
2575	2584.739	1	CHP	3	2575.020	-30.64	-13	Pass
2584.739	2590	1	CHP	4	2584.750	-40.33	-25	Pass



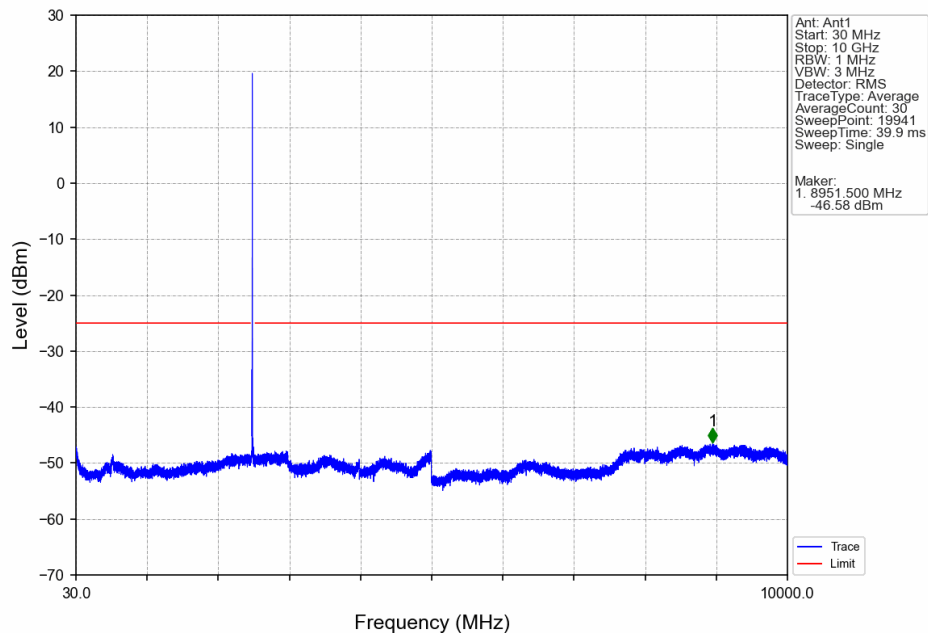
Test Report No.: RF260703B004

Band7_15MHz_64QAM_LCH_2507.5MHz_RB_1_0_NTNV



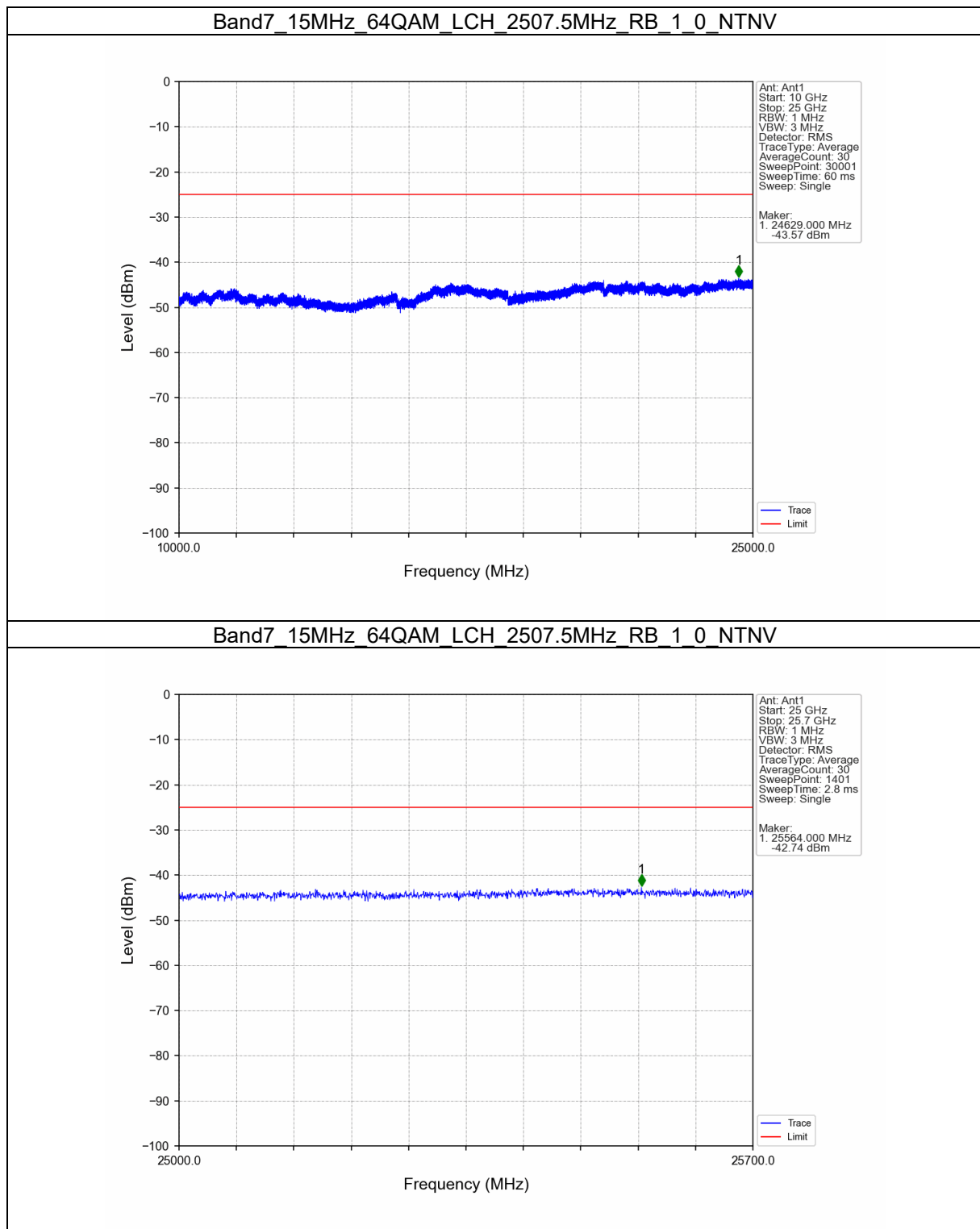
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.495	-48.26	-25	Pass
2490.5	2496	1	CHP	2	2490.990	-47.74	-13	Pass
2496	2499	1	CHP	3	2498.465	-44.04	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-39.94	-10	Pass
2500	2515	0.02	CHP	/	/	/	/	/

Band7_15MHz_64QAM_LCH_2507.5MHz_RB_1_0_NTNV





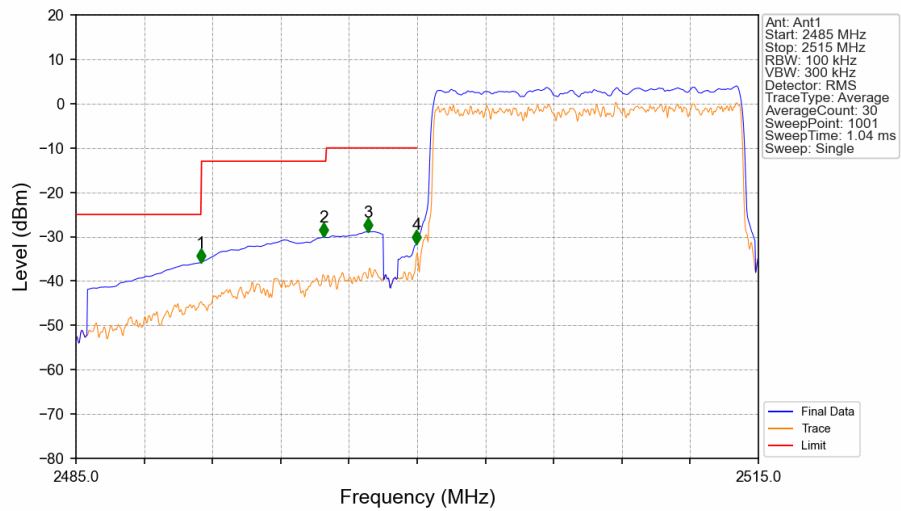
Test Report No.: RF260703B004





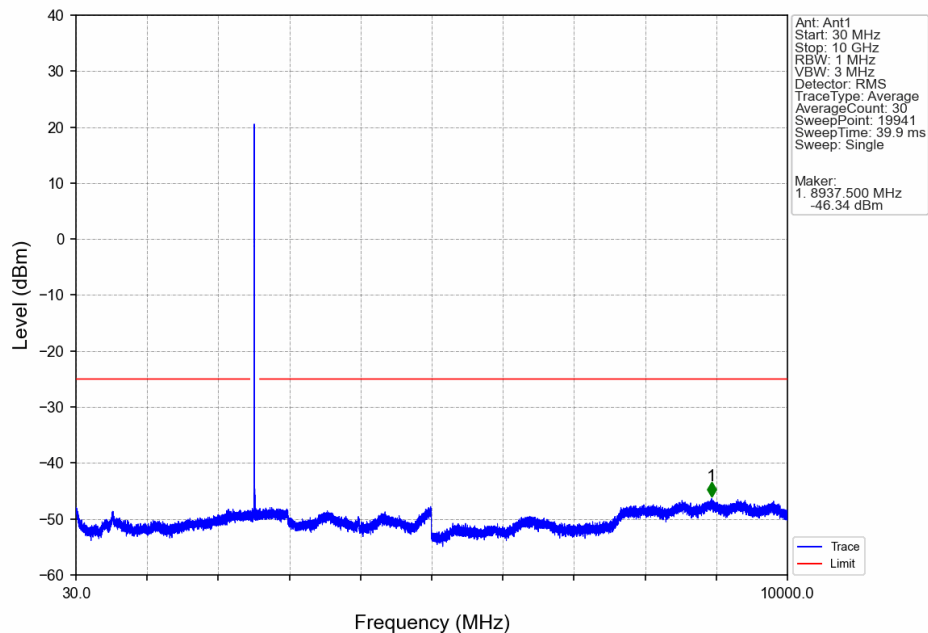
Test Report No.: RF260703B004

Band7_15MHz_64QAM_LCH_2507.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-35.87	-25	Pass
2490.5	2496	1	CHP	2	2495.890	-30.08	-13	Pass
2496	2499	1	CHP	3	2497.840	-28.88	-10	Pass
2499	2500	0.293	CHP	4	2499.970	-31.69	-10	Pass
2500	2515	0.293	CHP	/	/	/	/	/

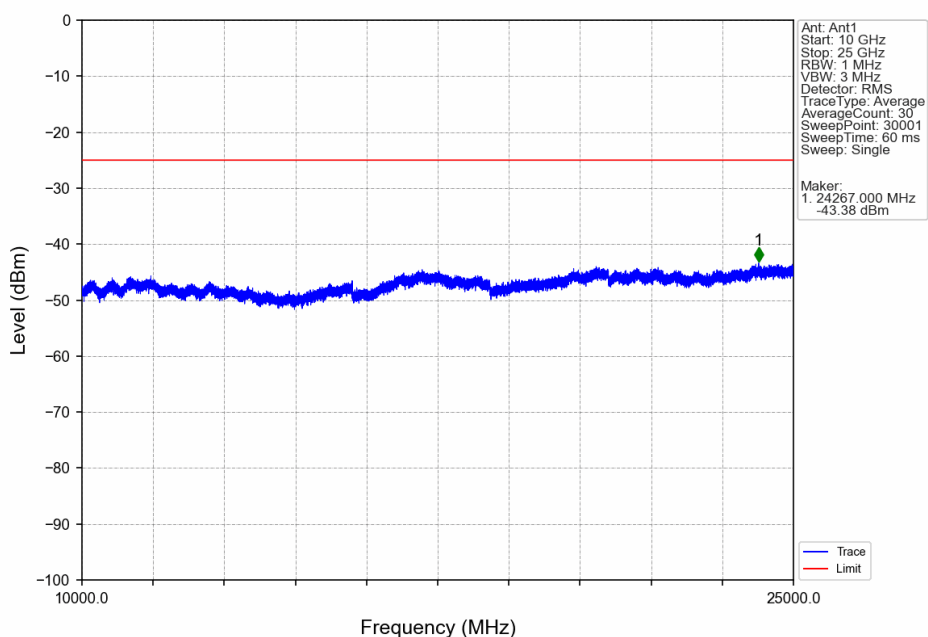
Band7_15MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



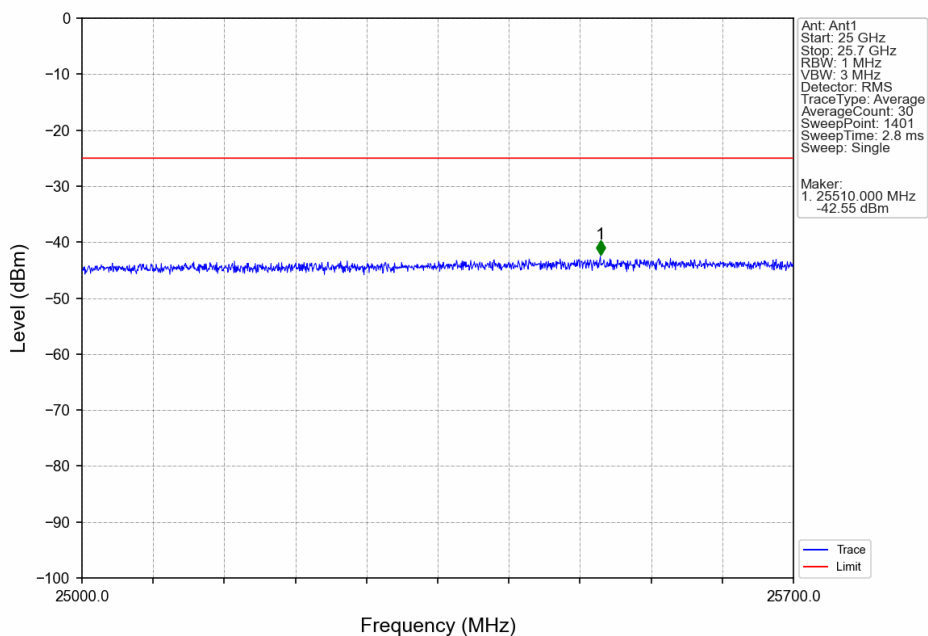


Test Report No.: RF260703B004

Band7_15MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



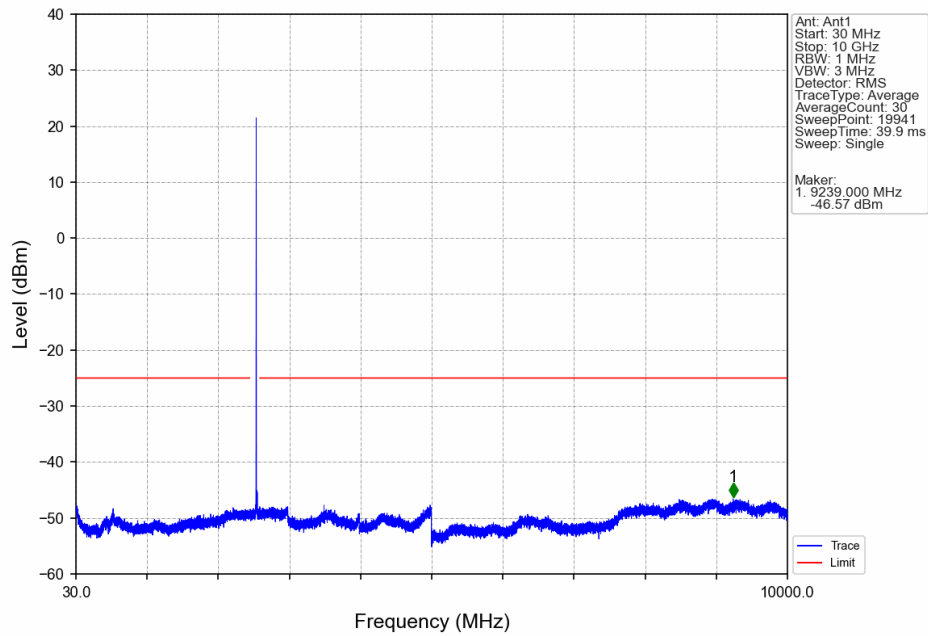
Band7_15MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



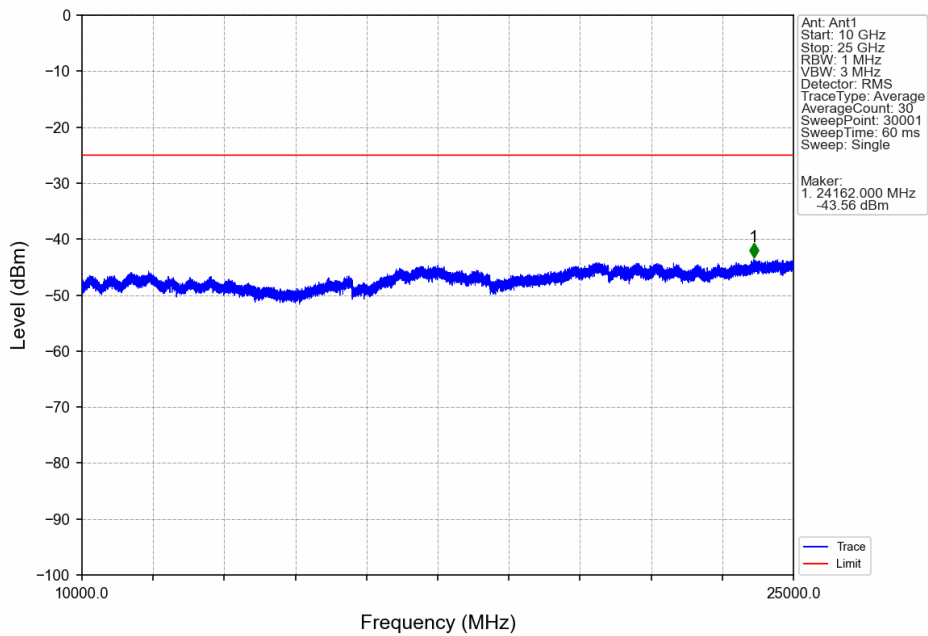


Test Report No.: RF260703B004

Band7_15MHz_64QAM_HCH_2562.5MHz_RB_1_0_NTNV



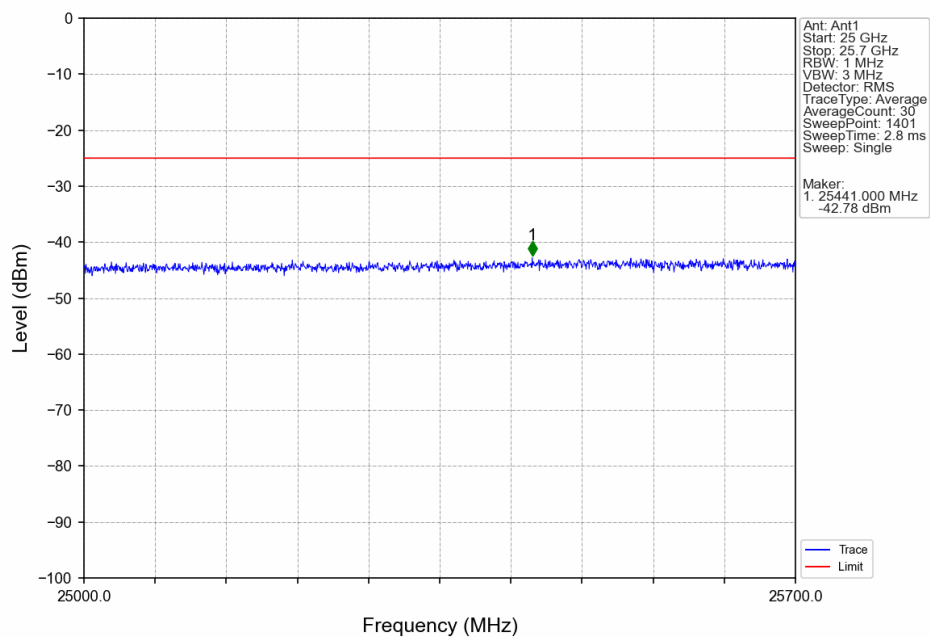
Band7_15MHz_64QAM_HCH_2562.5MHz_RB_1_0_NTNV



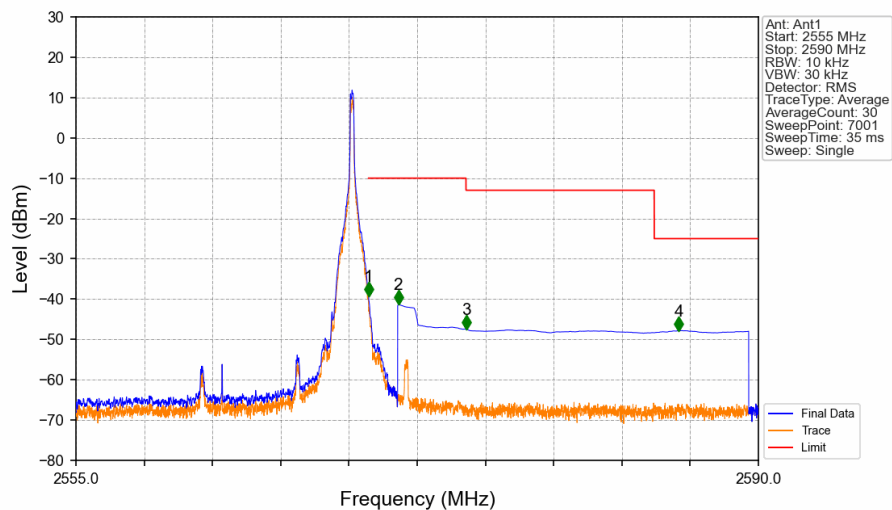


Test Report No.: RF260703B004

Band7_15MHz_64QAM_HCH_2562.5MHz_RB_1_0_NTNV



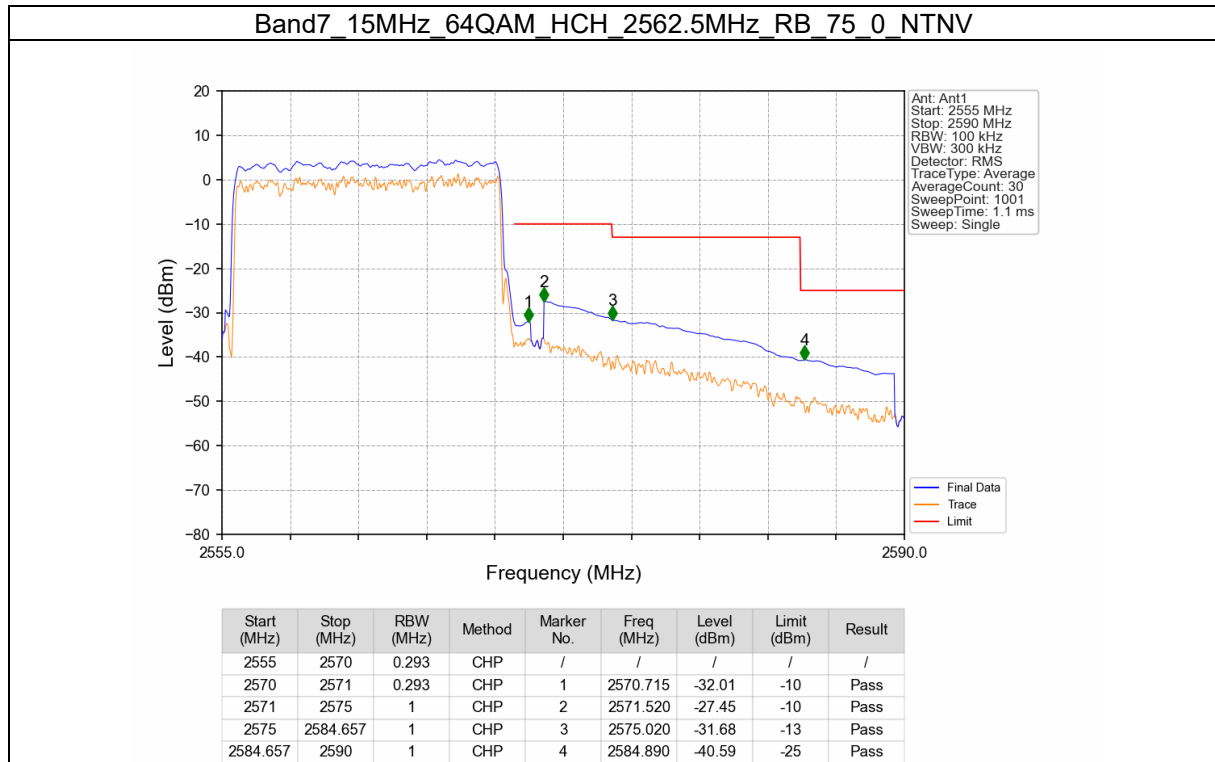
Band7_15MHz_64QAM_HCH_2562.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-39.26	-10	Pass
2571	2575	1	CHP	2	2571.535	-41.33	-10	Pass
2575	2584.657	1	CHP	3	2575.005	-47.51	-13	Pass
2584.657	2590	1	CHP	4	2585.915	-47.80	-25	Pass



Test Report No.: RF260703B004

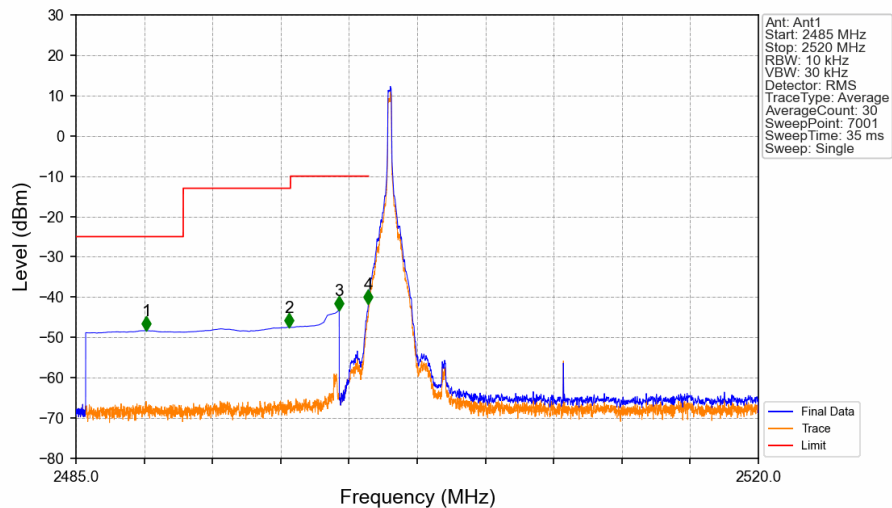




Test Report No.: RF260703B004

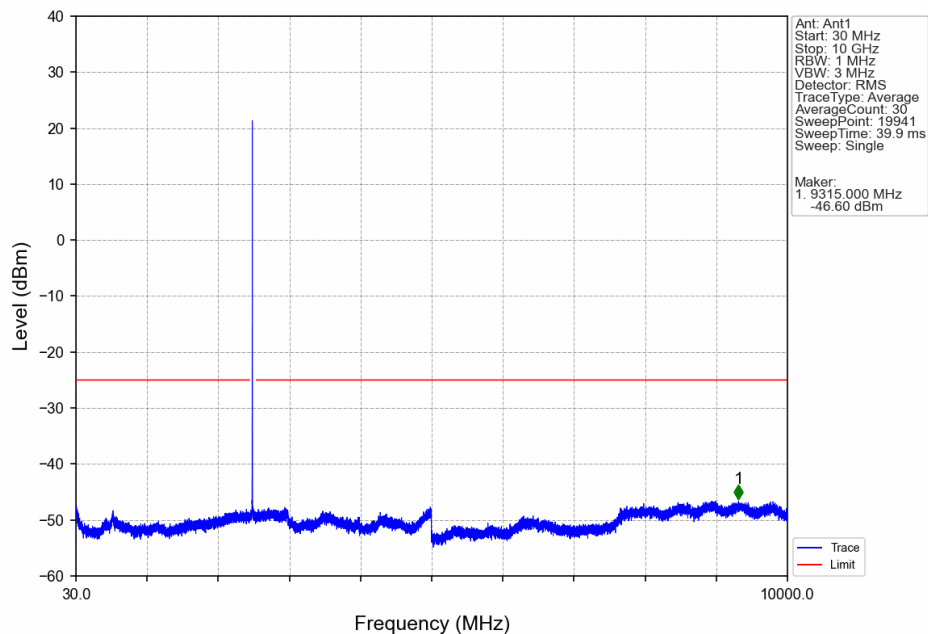
B7_20MHz

Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



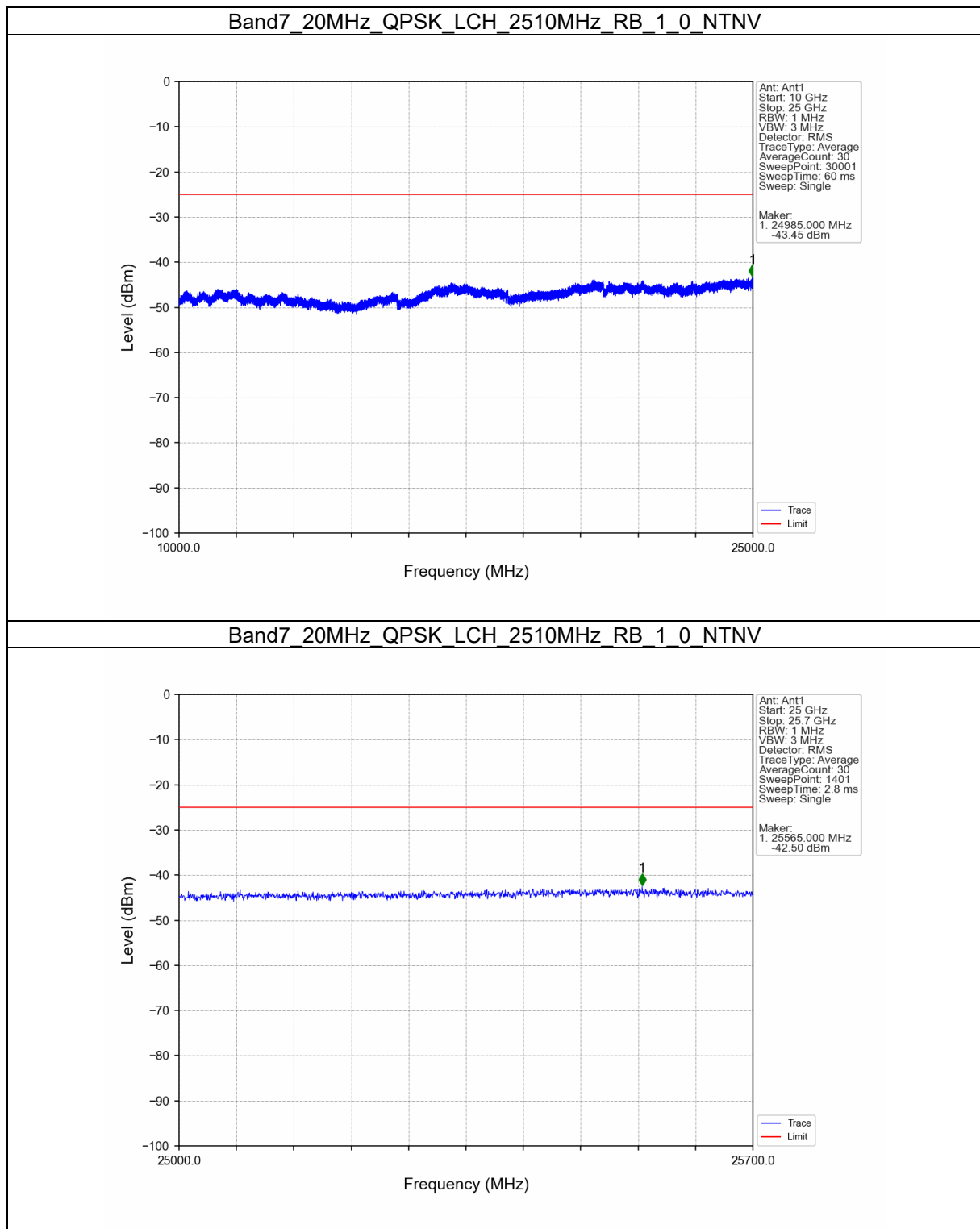
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.605	-48.32	-25	Pass
2490.5	2496	1	CHP	2	2495.915	-47.43	-13	Pass
2496	2499	1	CHP	3	2498.500	-43.19	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-41.68	-10	Pass
2500	2520	0.02	CHP	/	/	/	/	/

Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV





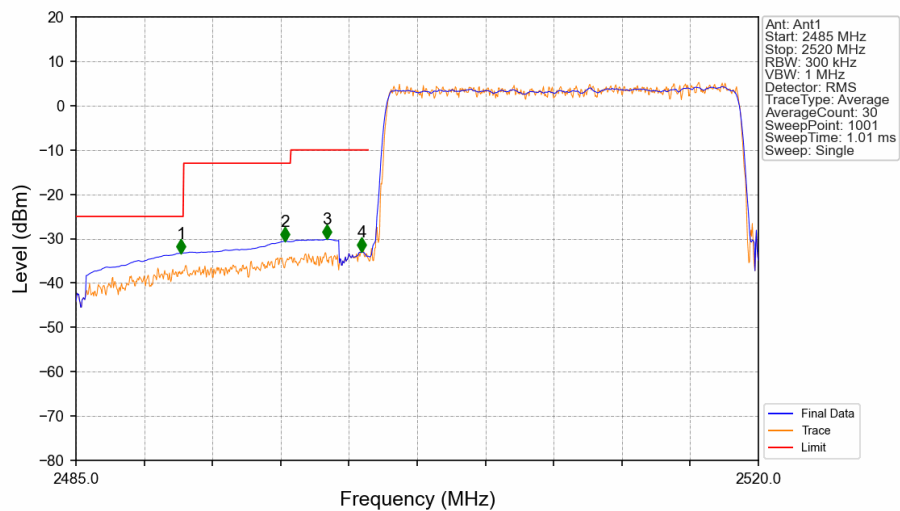
Test Report No.: RF260703B004





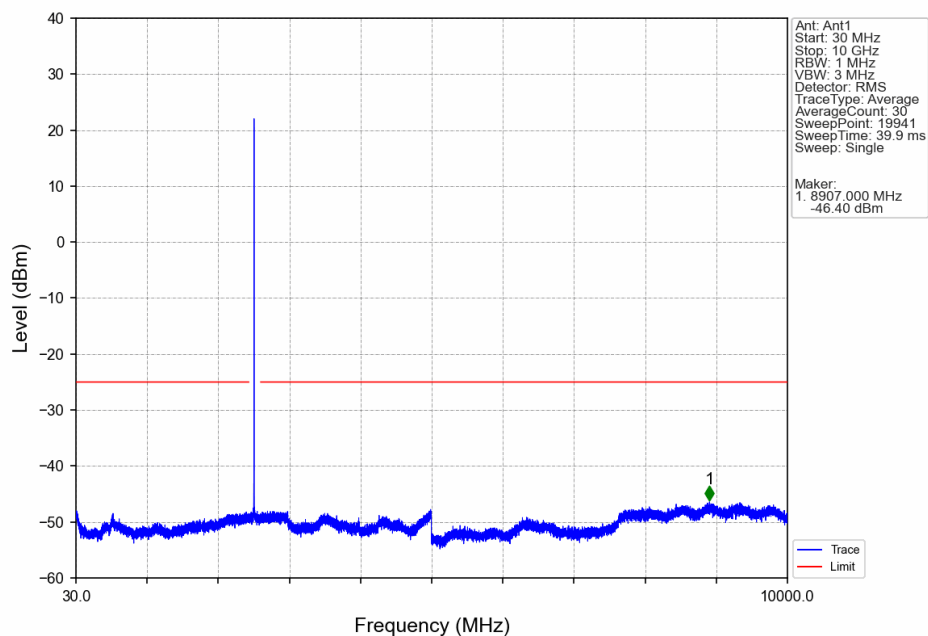
Test Report No.: RF260703B004

Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



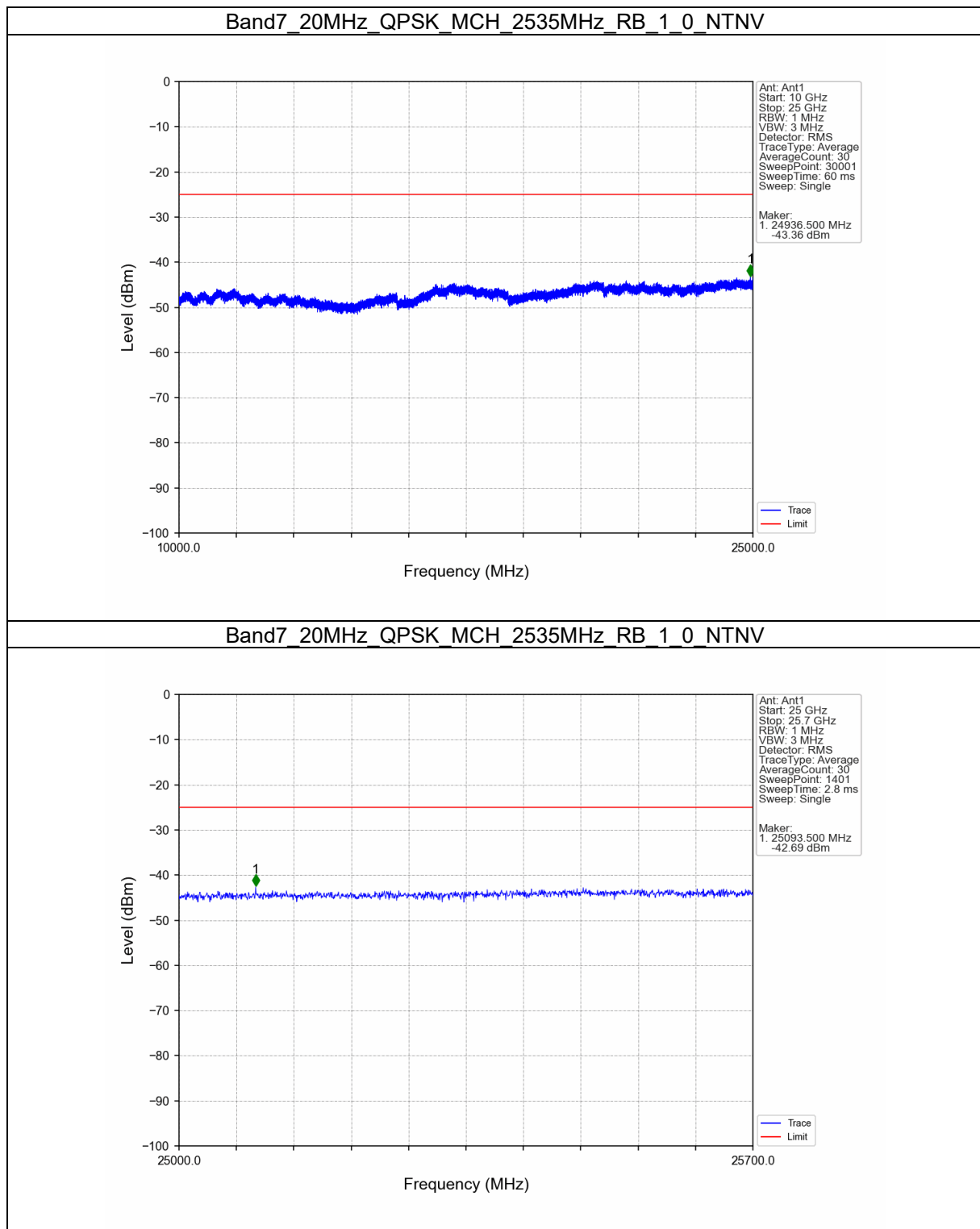
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.390	-33.26	-25	Pass
2490.5	2496	1	CHP	2	2495.710	-30.56	-13	Pass
2496	2499	1	CHP	3	2497.880	-30.11	-10	Pass
2499	2500	0.386	CHP	4	2499.665	-33.02	-10	Pass
2500	2520	0.386	CHP	/	/	/	/	/

Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV





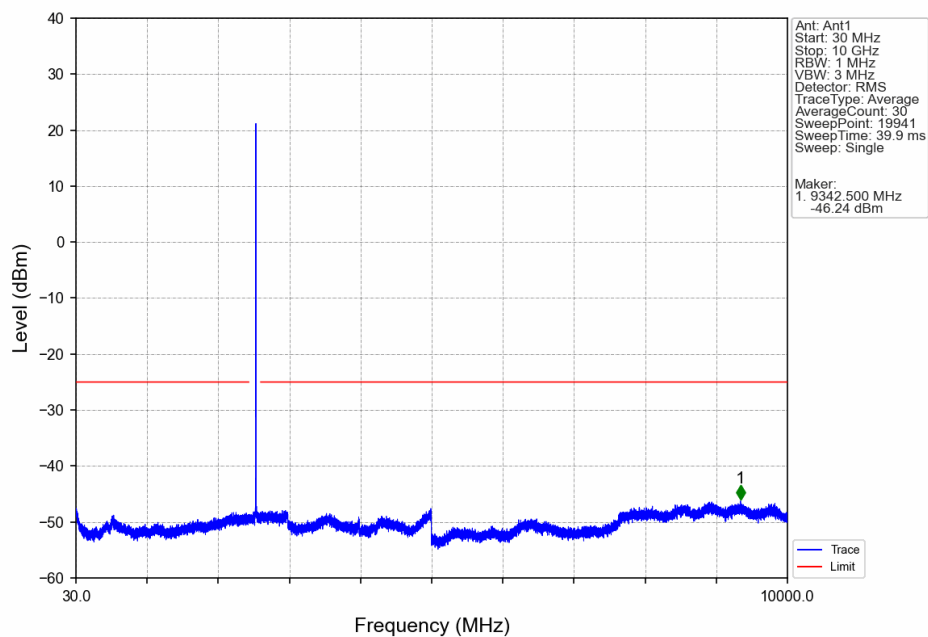
Test Report No.: RF260703B004



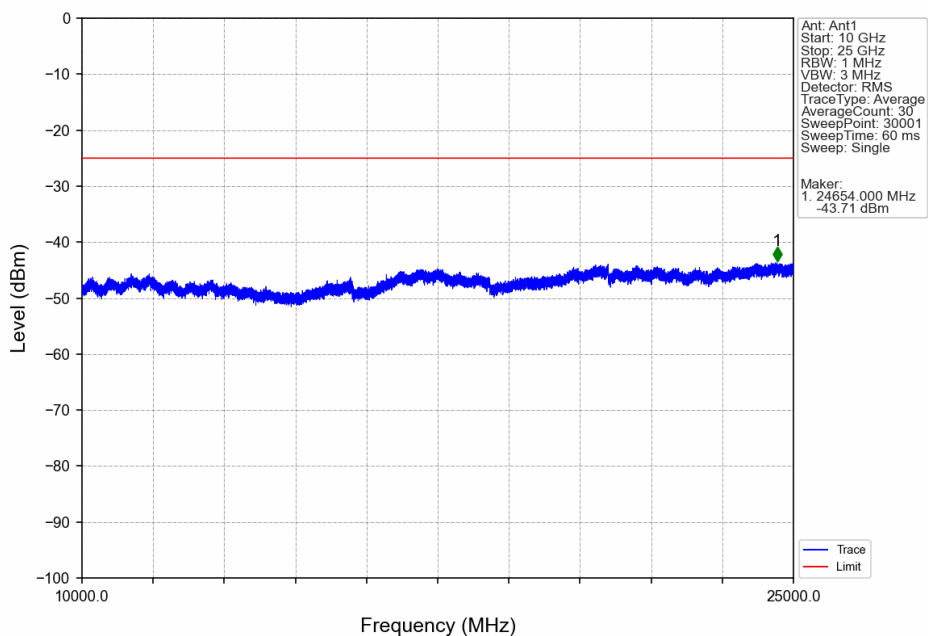


Test Report No.: RF260703B004

Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



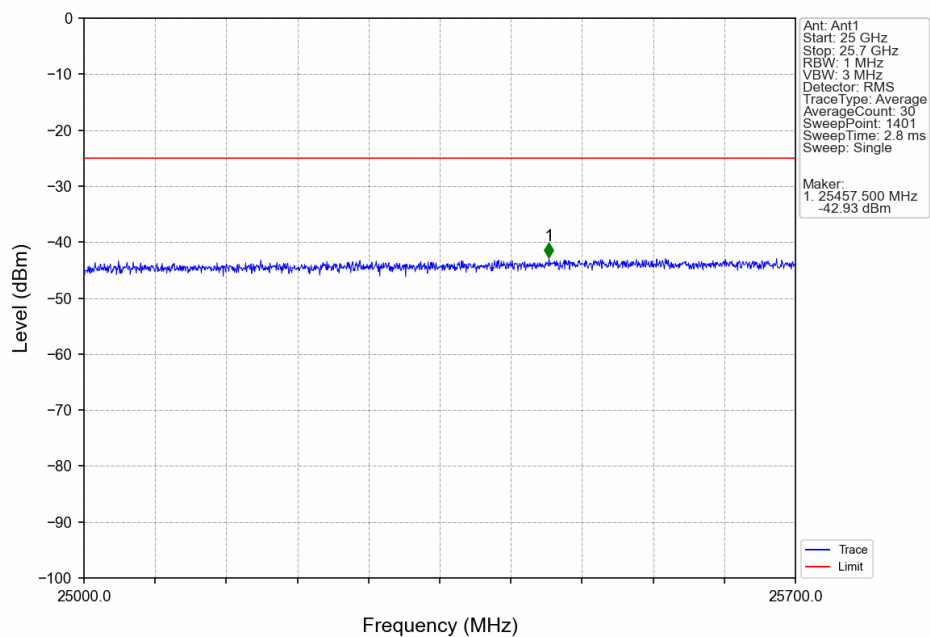
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



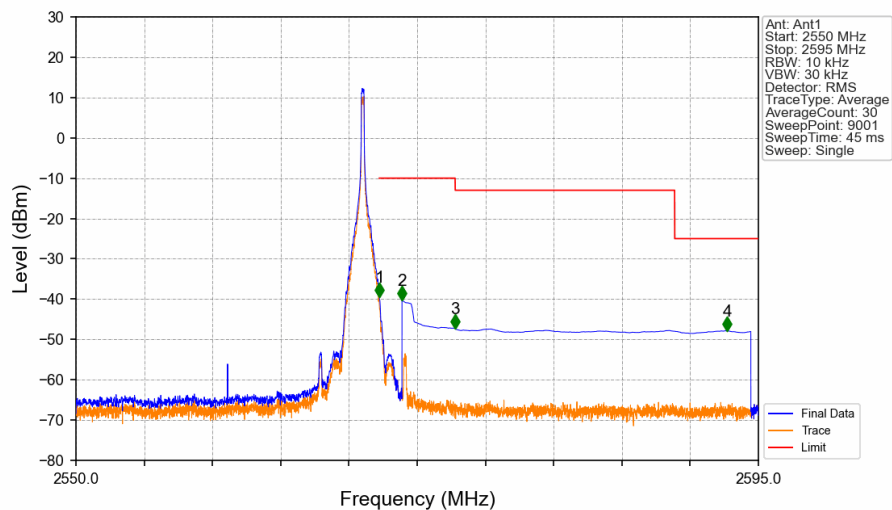


Test Report No.: RF260703B004

Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV

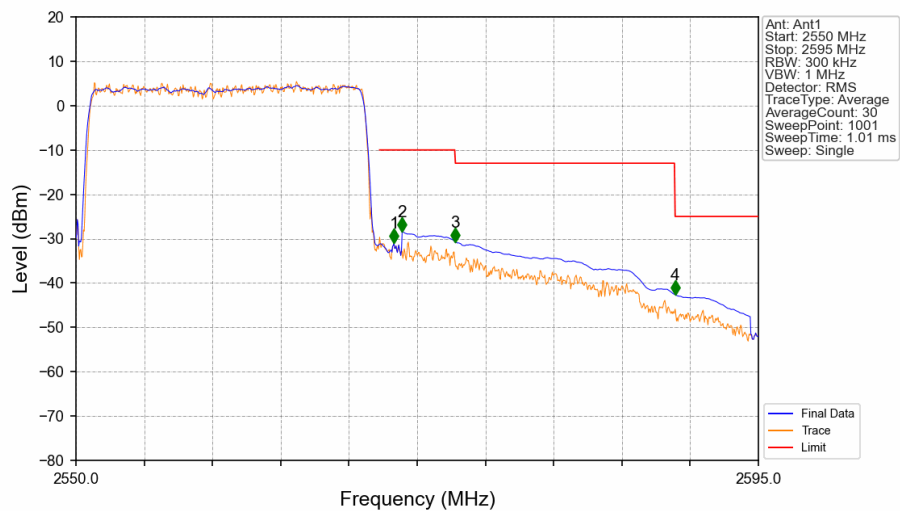


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-39.54	-10	Pass
2571	2575	1	CHP	2	2571.500	-40.29	-10	Pass
2575	2589.475	1	CHP	3	2575.005	-47.36	-13	Pass
2589.475	2595	1	CHP	4	2592.950	-47.85	-25	Pass



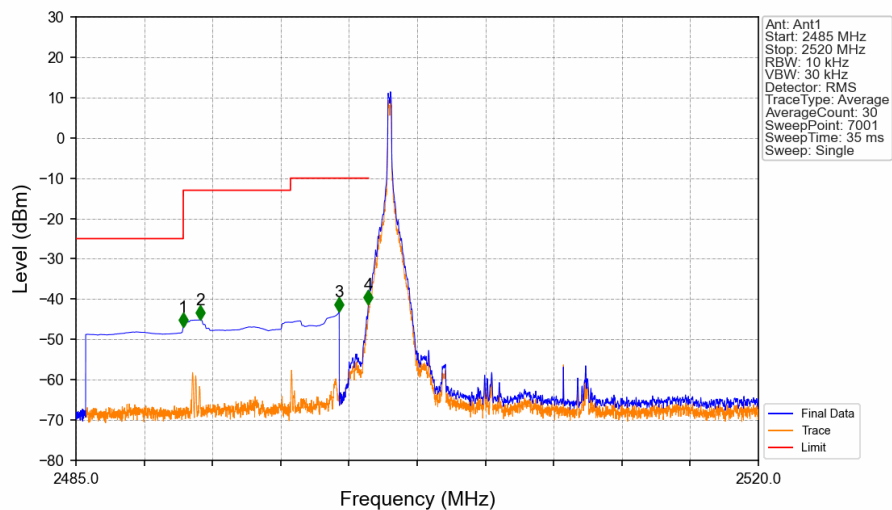
Test Report No.: RF260703B004

Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.39	CHP	/	/	/	/	/
2570	2571	0.39	CHP	1	2570.970	-30.94	-10	Pass
2571	2575	1	CHP	2	2571.510	-28.40	-10	Pass
2575	2589.475	1	CHP	3	2575.020	-30.76	-13	Pass
2589.475	2595	1	CHP	4	2589.510	-42.60	-25	Pass

Band7_20MHz_16QAM_LCH_2510MHz_RB_1_0_NTNV

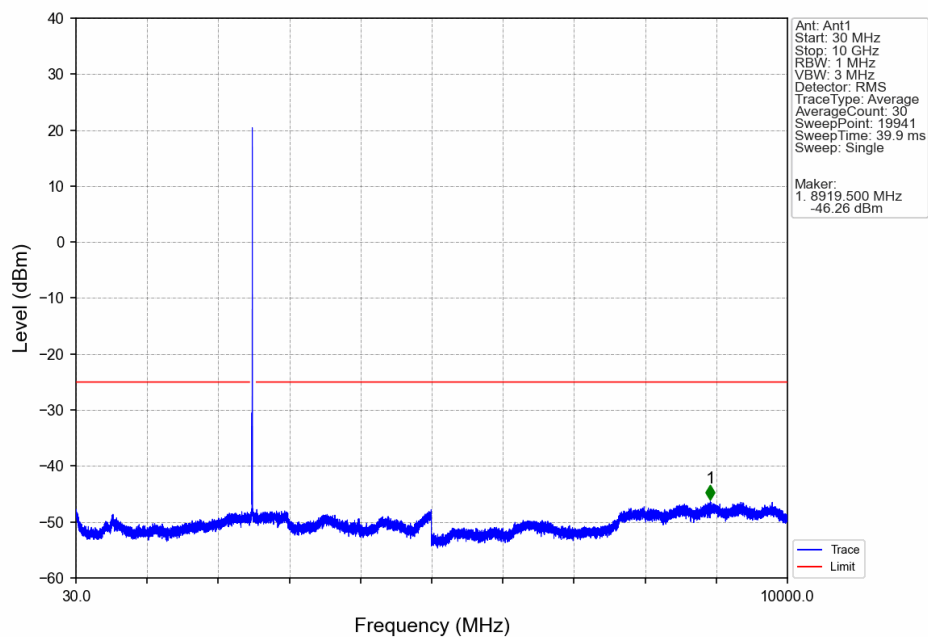


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-46.95	-25	Pass
2490.5	2496	1	CHP	2	2491.375	-45.15	-13	Pass
2496	2499	1	CHP	3	2498.500	-43.14	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-41.26	-10	Pass
2500	2520	0.02	CHP	/	/	/	/	/

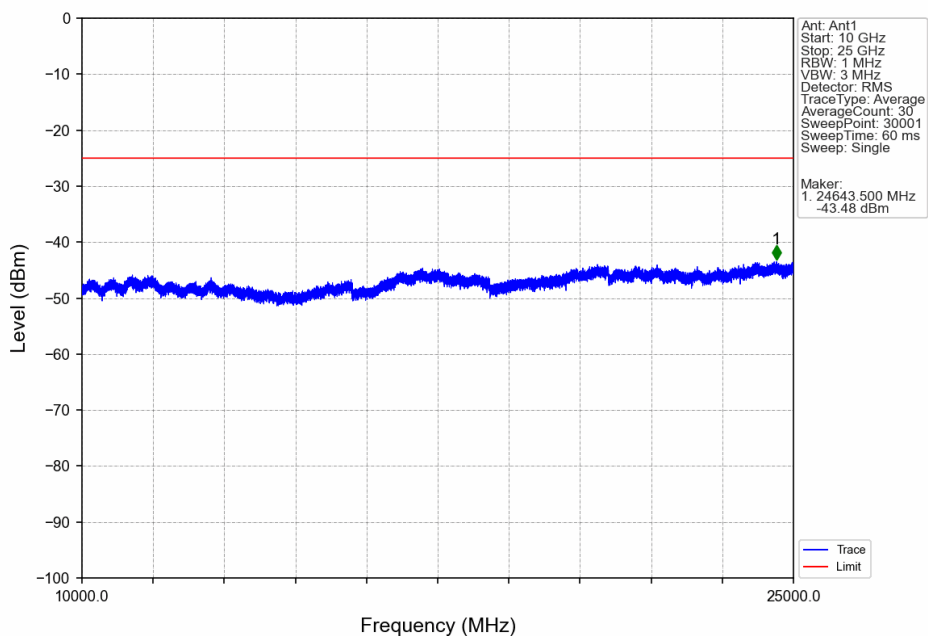


Test Report No.: RF260703B004

Band7_20MHz_16QAM_LCH_2510MHz_RB_1_0_NTNV



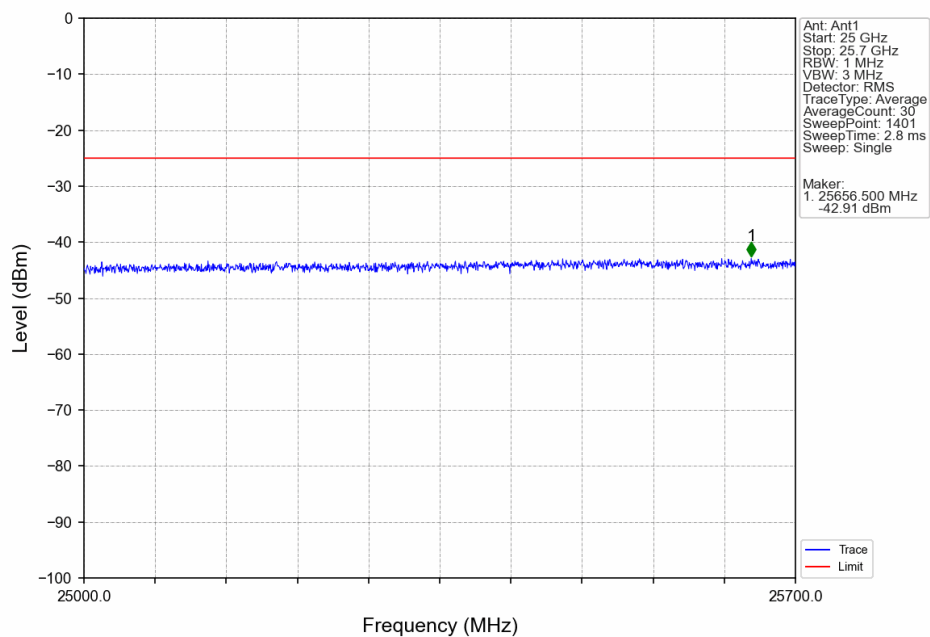
Band7_20MHz_16QAM_LCH_2510MHz_RB_1_0_NTNV



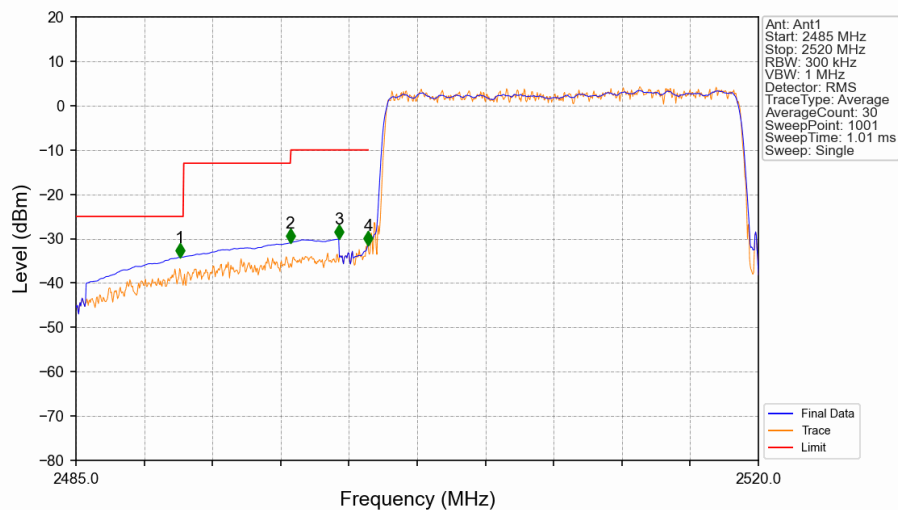


Test Report No.: RF260703B004

Band7_20MHz_16QAM_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV

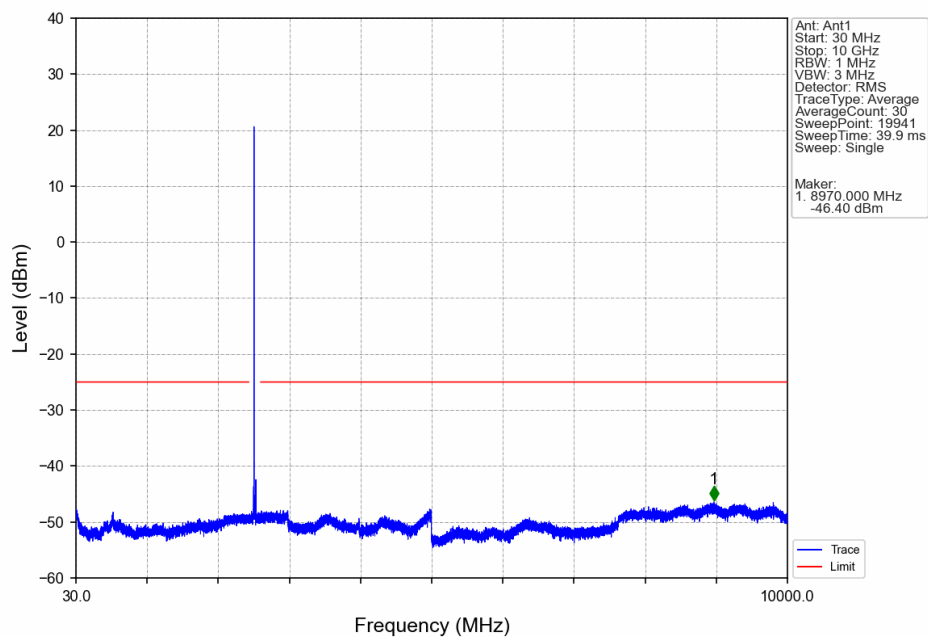


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.320	-34.18	-25	Pass
2490.5	2496	1	CHP	2	2495.990	-30.91	-13	Pass
2496	2499	1	CHP	3	2498.475	-30.05	-10	Pass
2499	2500	0.388	CHP	4	2499.980	-31.54	-10	Pass
2500	2520	0.388	CHP	/	/	/	/	/

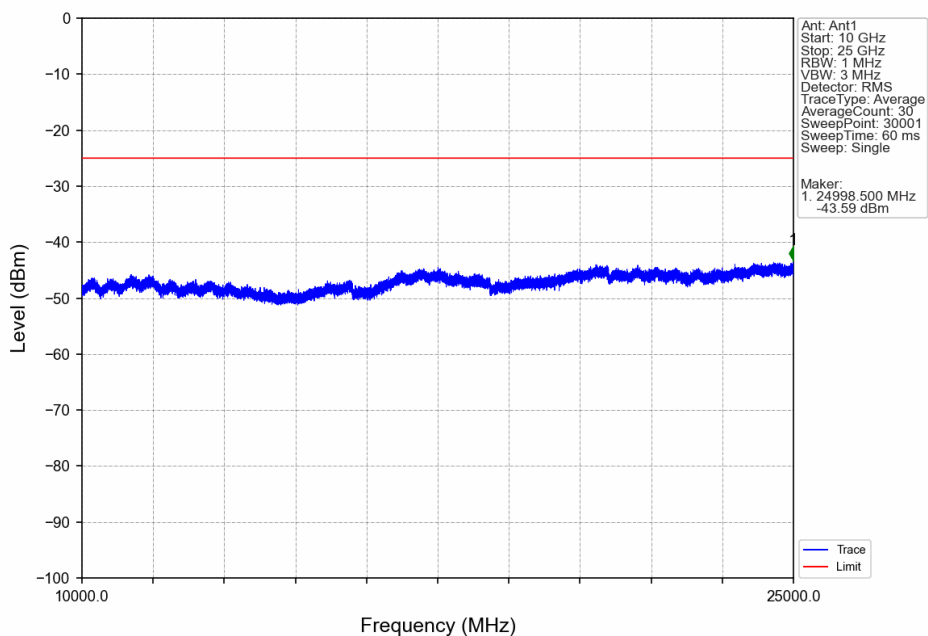


Test Report No.: RF260703B004

Band7_20MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



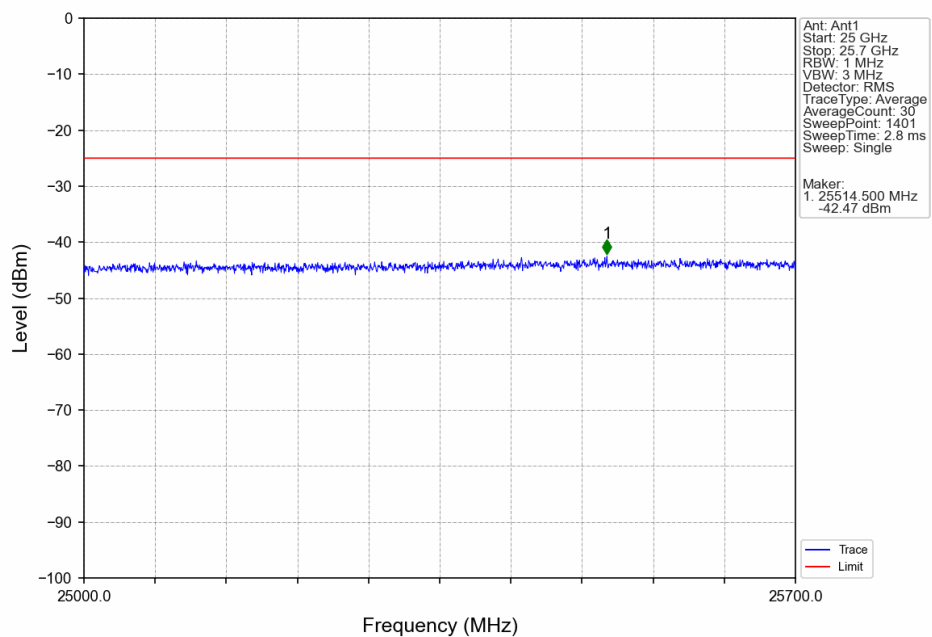
Band7_20MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



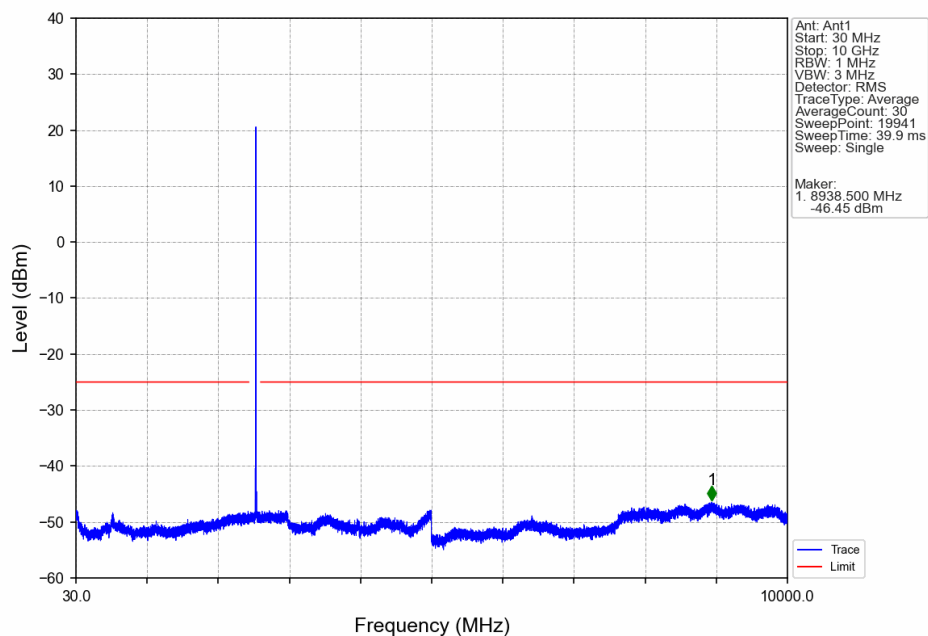


Test Report No.: RF260703B004

Band7_20MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



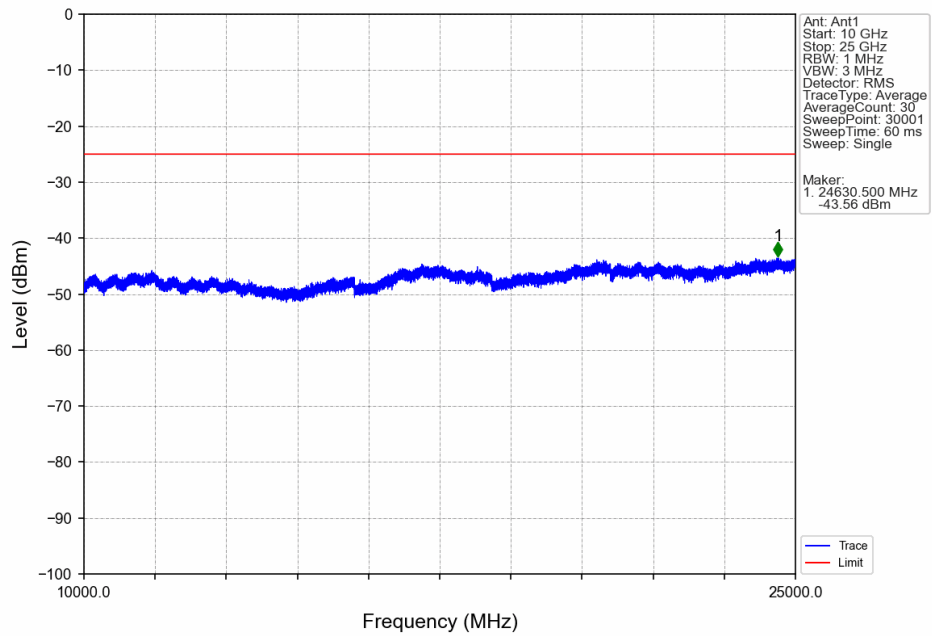
Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV



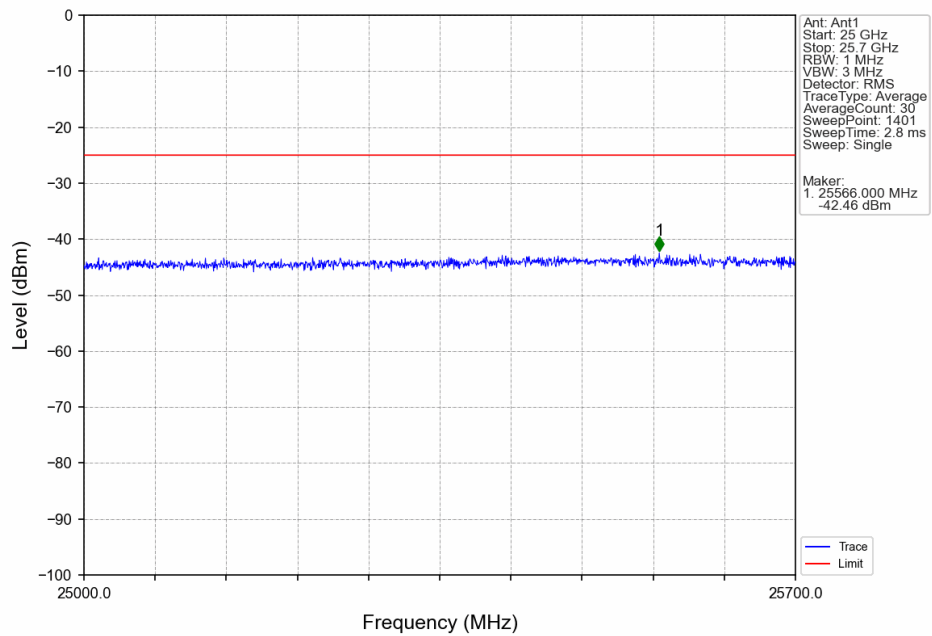


Test Report No.: RF260703B004

Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV



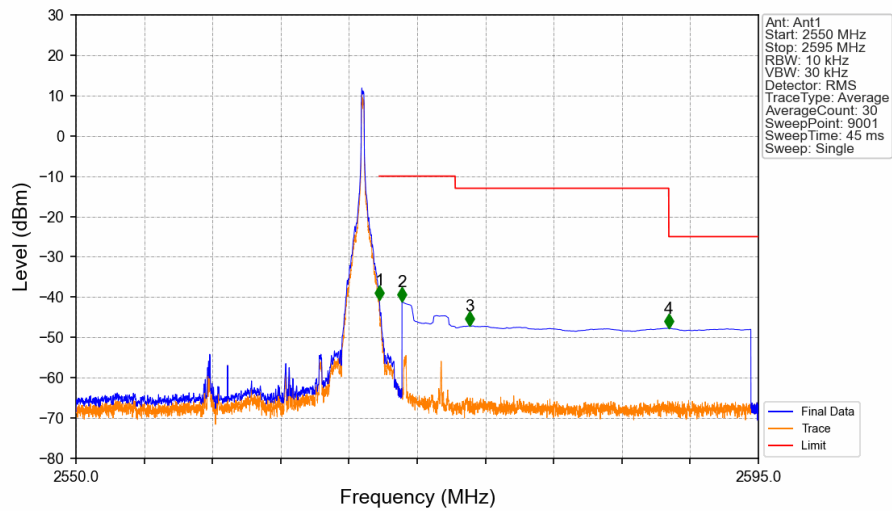
Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV





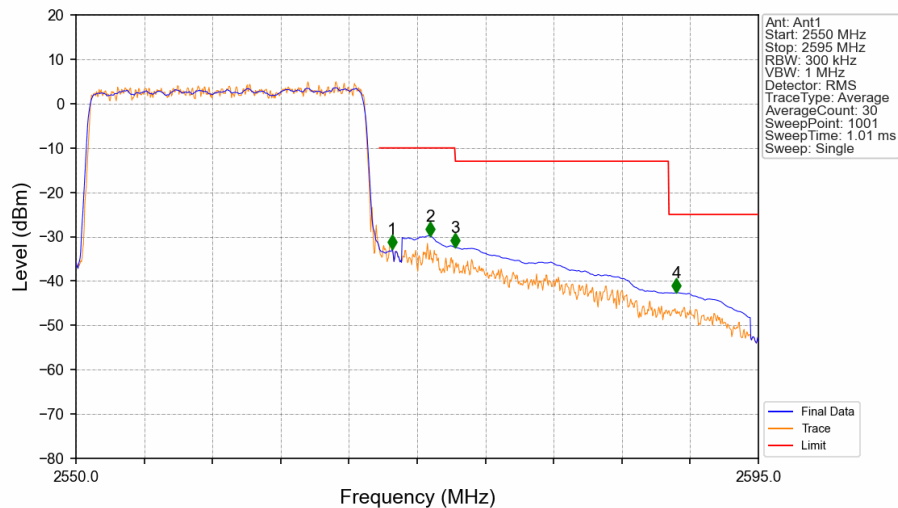
Test Report No.: RF260703B004

Band7_20MHz_16QAM_HCH_2560MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-40.60	-10	Pass
2571	2575	1	CHP	2	2571.500	-41.15	-10	Pass
2575	2589.085	1	CHP	3	2575.970	-47.12	-13	Pass
2589.085	2595	1	CHP	4	2589.090	-47.72	-25	Pass

Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV

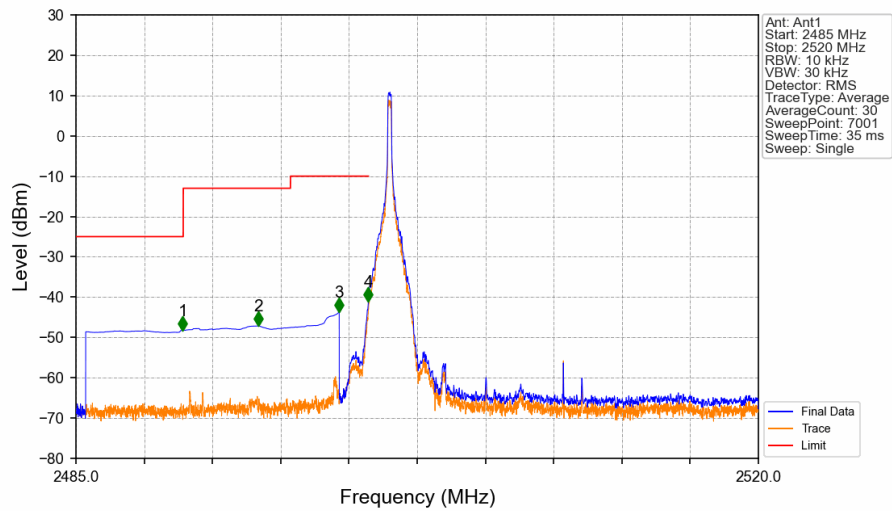


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.382	CHP	/	/	/	/	/
2570	2571	0.382	CHP	1	2570.835	-32.72	-10	Pass
2571	2575	1	CHP	2	2573.355	-29.78	-10	Pass
2575	2589.085	1	CHP	3	2575.020	-32.37	-13	Pass
2589.085	2595	1	CHP	4	2589.600	-42.61	-25	Pass



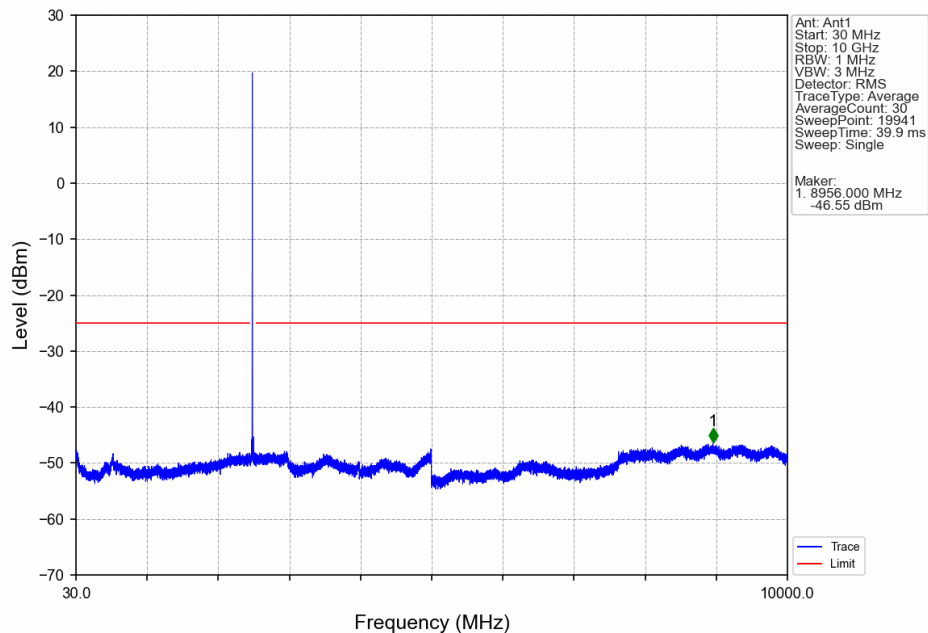
Test Report No.: RF260703B004

Band7_20MHz_64QAM_LCH_2510MHz_RB_1_0_NTNV



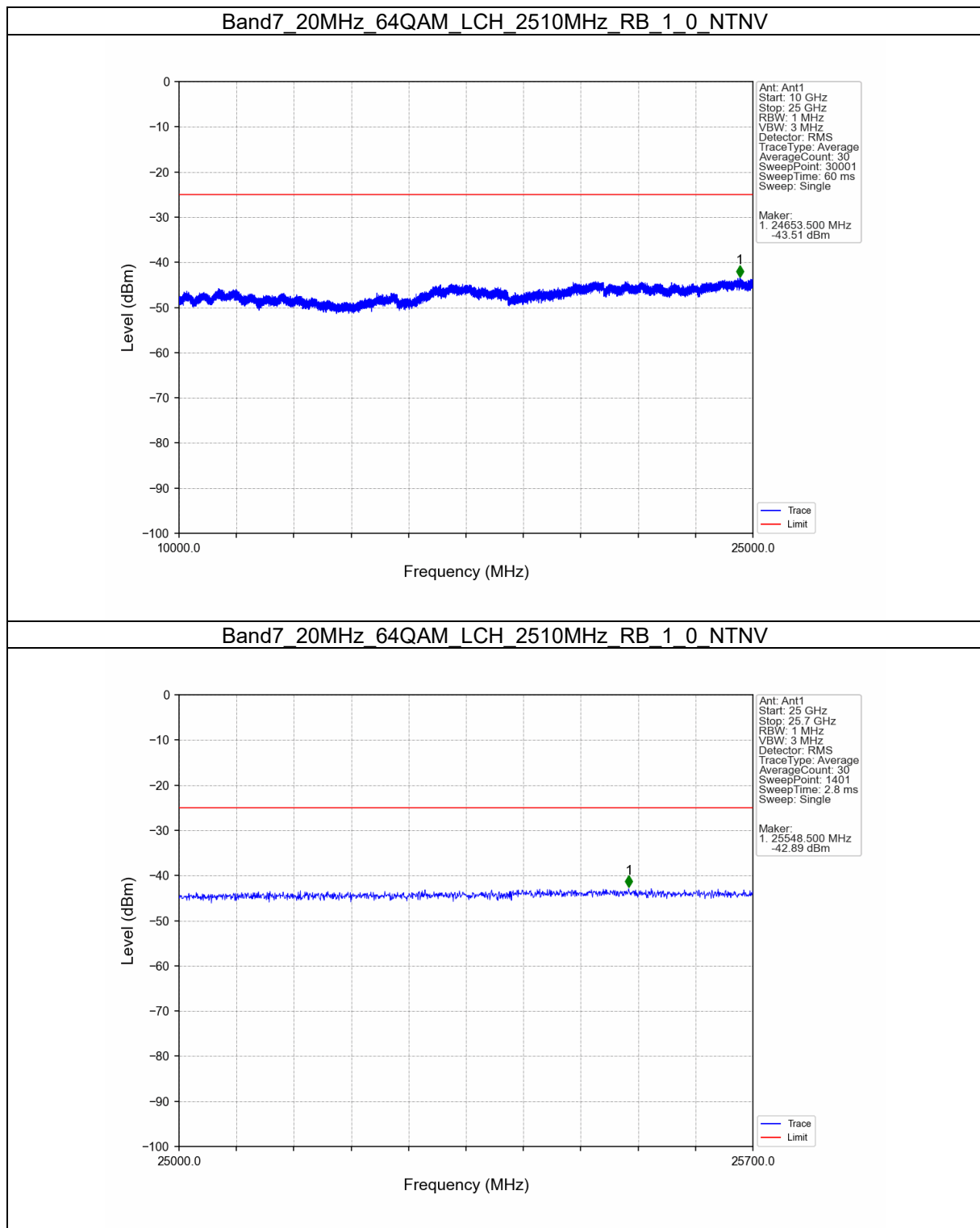
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.475	-48.25	-25	Pass
2490.5	2496	1	CHP	2	2494.350	-47.15	-13	Pass
2496	2499	1	CHP	3	2498.500	-43.63	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-41.15	-10	Pass
2500	2520	0.02	CHP	/	/	/	/	/

Band7_20MHz_64QAM_LCH_2510MHz_RB_1_0_NTNV





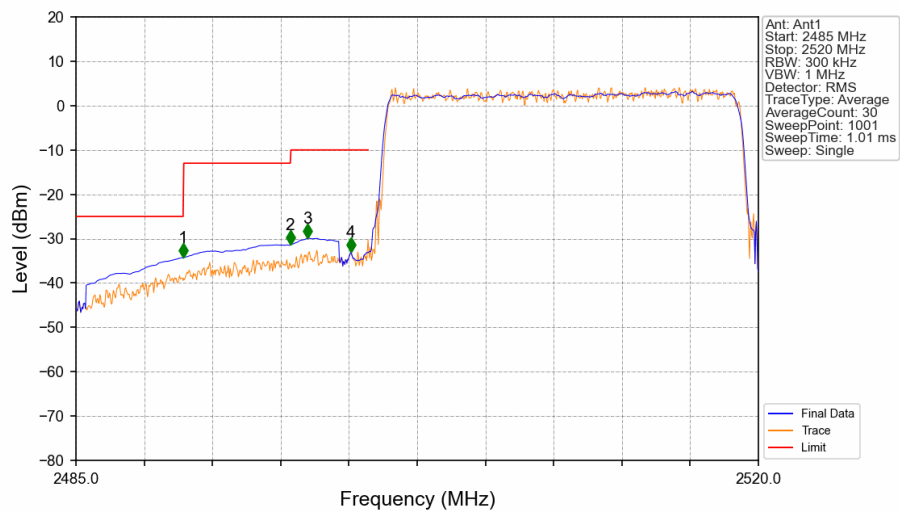
Test Report No.: RF260703B004





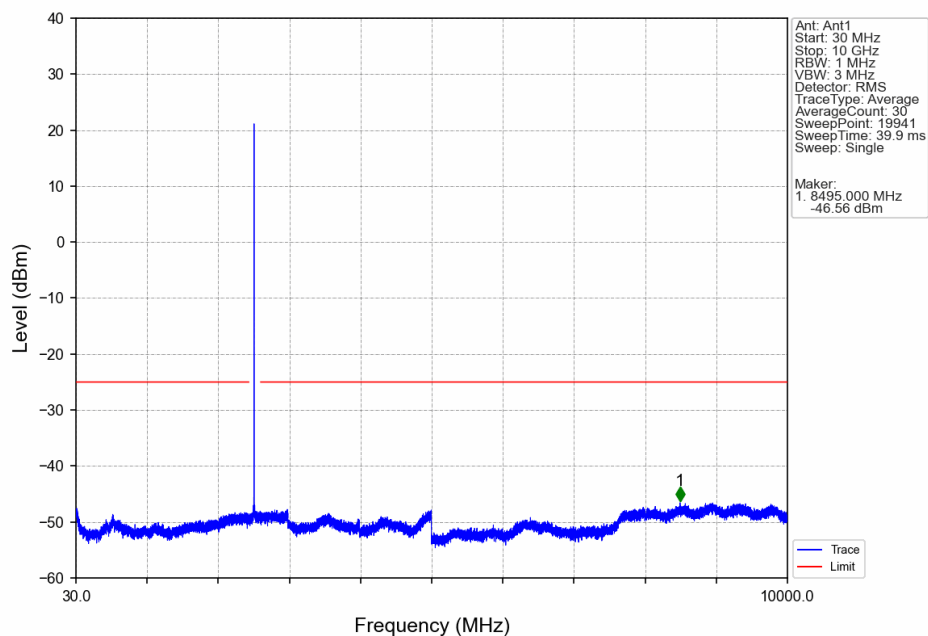
Test Report No.: RF260703B004

Band7_20MHz_64QAM_LCH_2510MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.495	-34.26	-25	Pass
2490.5	2496	1	CHP	2	2495.990	-31.38	-13	Pass
2496	2499	1	CHP	3	2496.865	-29.90	-10	Pass
2499	2500	0.385	CHP	4	2499.105	-32.90	-10	Pass
2500	2520	0.385	CHP	/	/	/	/	/

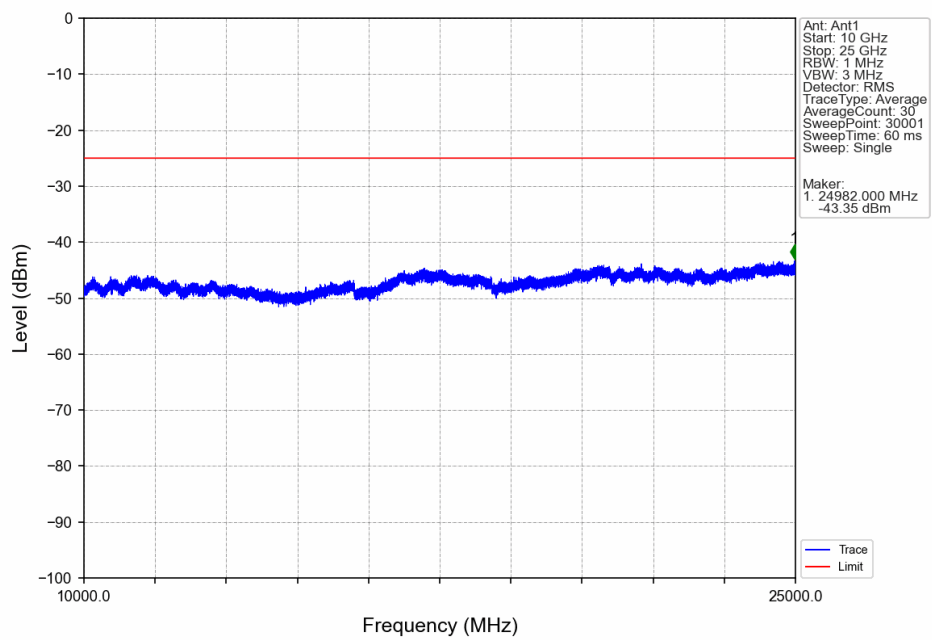
Band7_20MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



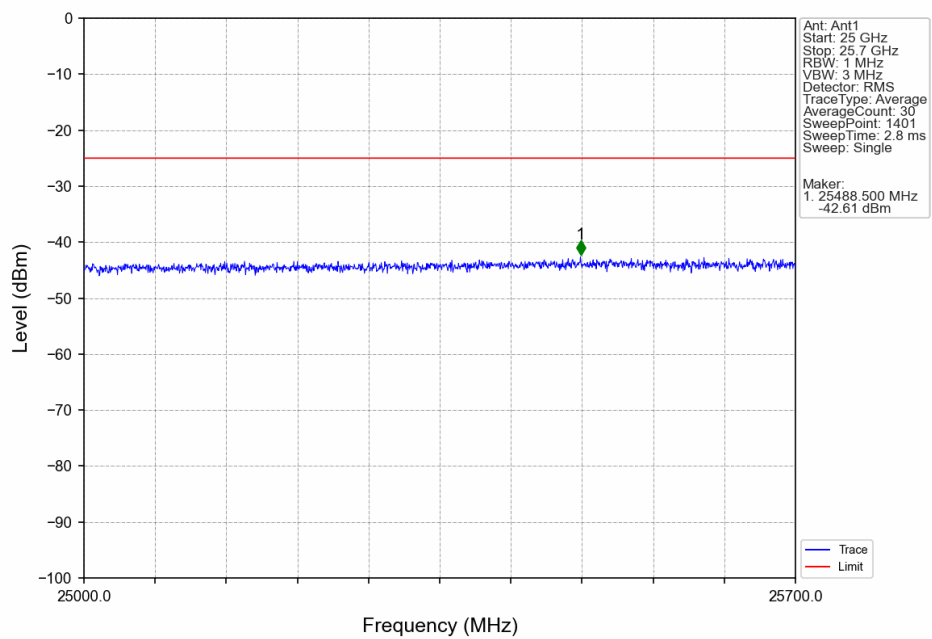


Test Report No.: RF260703B004

Band7_20MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



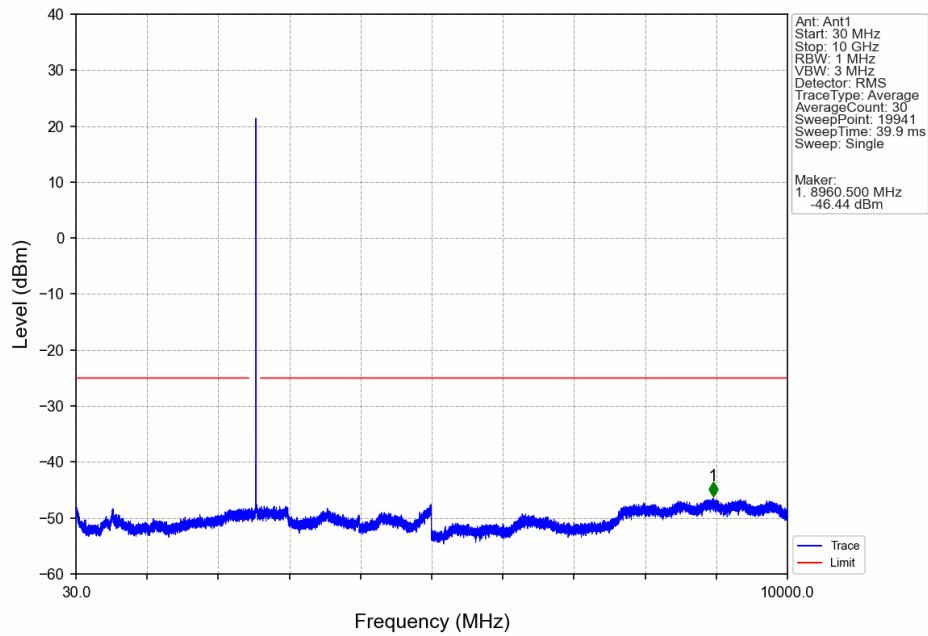
Band7_20MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



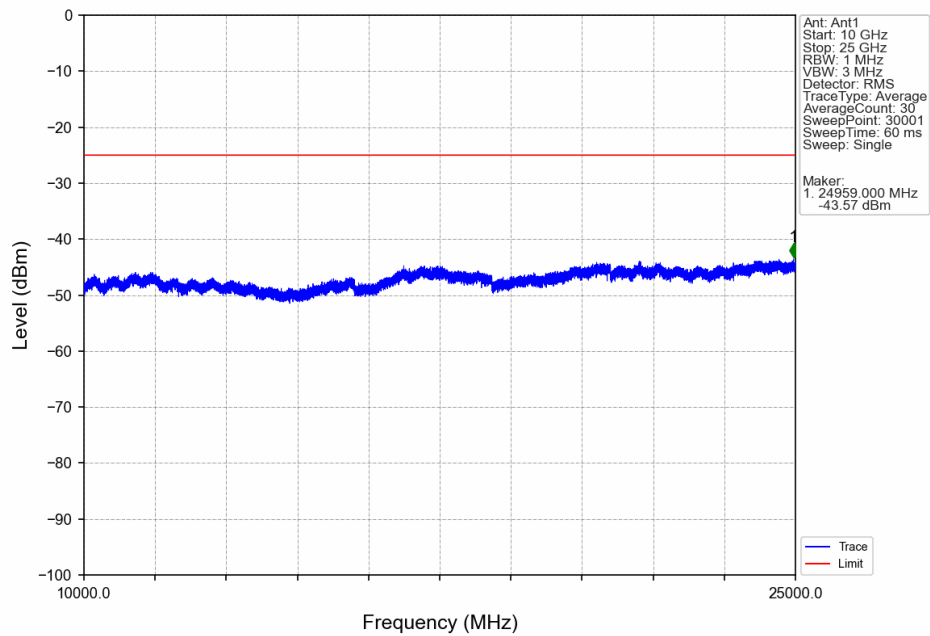


Test Report No.: RF260703B004

Band7_20MHz_64QAM_HCH_2560MHz_RB_1_0_NTNV



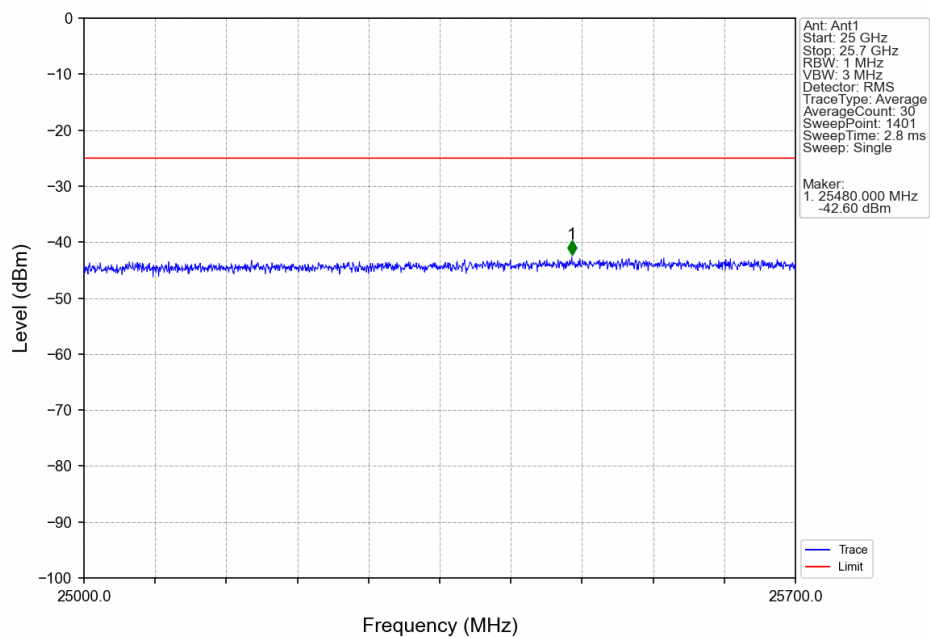
Band7_20MHz_64QAM_HCH_2560MHz_RB_1_0_NTNV



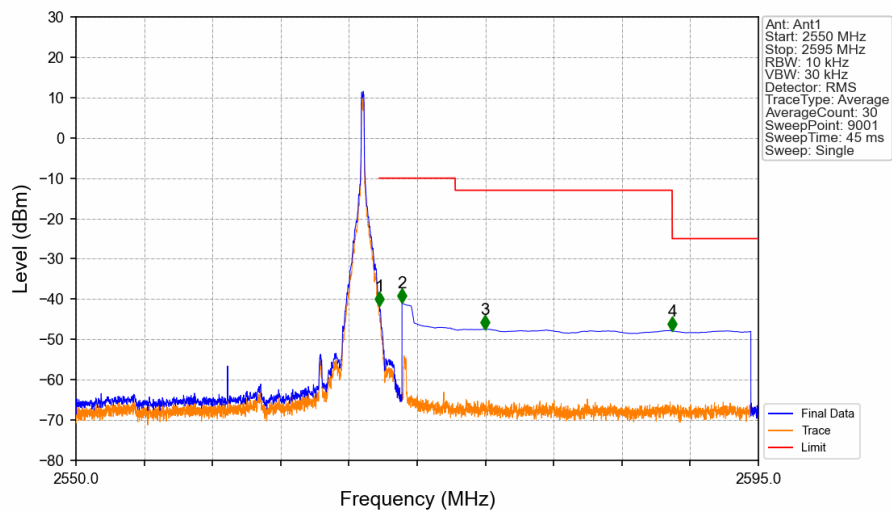


Test Report No.: RF260703B004

Band7_20MHz_64QAM_HCH_2560MHz_RB_1_0_NTNV



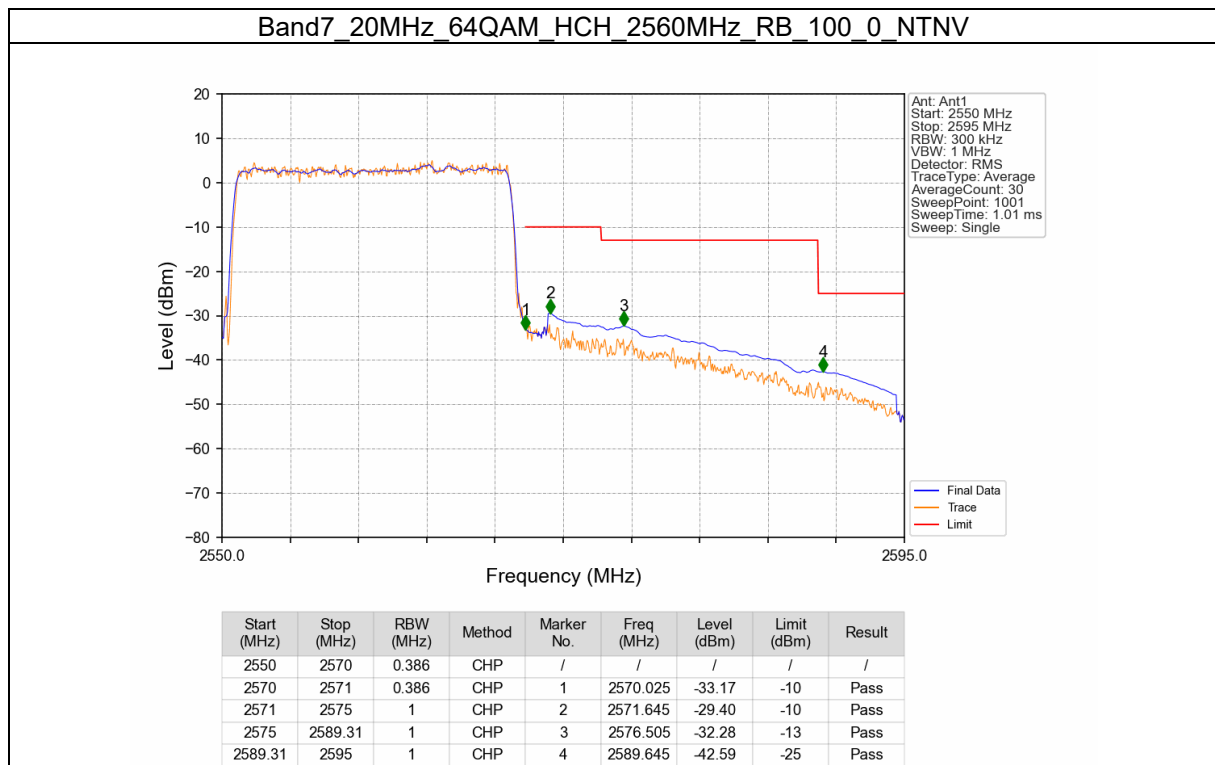
Band7_20MHz_64QAM_HCH_2560MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.010	-41.62	-10	Pass
2571	2575	1	CHP	2	2571.500	-40.86	-10	Pass
2575	2589.31	1	CHP	3	2576.950	-47.44	-13	Pass
2589.31	2595	1	CHP	4	2589.315	-47.87	-25	Pass



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LTE BAND12

FREQUENCY STABILITY

Test Result

B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.4	-3.000	-0.0043	-2.5 to 2.5	Pass
					4	-2.700	-0.0039	-2.5 to 2.5	Pass
					4.6	-3.000	-0.0043	-2.5 to 2.5	Pass
				5	4	-2.700	-0.0039	-2.5 to 2.5	Pass
				15	4	-2.000	-0.0029	-2.5 to 2.5	Pass
				25	4	-0.800	-0.0011	-2.5 to 2.5	Pass
				35	4	-1.000	-0.0014	-2.5 to 2.5	Pass
	707.5	6	0	20	3.4	-9.100	-0.0129	-2.5 to 2.5	Pass
					4	-13.600	-0.0192	-2.5 to 2.5	Pass
					4.6	-16.100	-0.0228	-2.5 to 2.5	Pass
				5	4	-21.300	-0.0301	-2.5 to 2.5	Pass
				15	4	-16.000	-0.0226	-2.5 to 2.5	Pass
				25	4	-29.000	-0.0410	-2.5 to 2.5	Pass
				35	4	-18.000	-0.0254	-2.5 to 2.5	Pass
	715.3	6	0	20	3.4	19.200	0.0268	-2.5 to 2.5	Pass
					4	15.800	0.0221	-2.5 to 2.5	Pass
					4.6	11.700	0.0164	-2.5 to 2.5	Pass
				5	4	10.800	0.0151	-2.5 to 2.5	Pass
				15	4	14.300	0.0200	-2.5 to 2.5	Pass
				25	4	9.600	0.0134	-2.5 to 2.5	Pass
				35	4	8.000	0.0112	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.4	0.300	0.0004	-2.5 to 2.5	Pass
					4	-1.700	-0.0024	-2.5 to 2.5	Pass
					4.6	-1.700	-0.0024	-2.5 to 2.5	Pass
				5	4	0.000	0.0000	-2.5 to 2.5	Pass
				15	4	-4.100	-0.0059	-2.5 to 2.5	Pass
				25	4	-2.300	-0.0033	-2.5 to 2.5	Pass
				35	4	0.100	0.0001	-2.5 to 2.5	Pass
	707.5	6	0	20	3.4	-20.300	-0.0287	-2.5 to 2.5	Pass
					4	-18.500	-0.0261	-2.5 to 2.5	Pass
					4.6	-18.100	-0.0256	-2.5 to 2.5	Pass
				5	4	-14.000	-0.0198	-2.5 to 2.5	Pass
				15	4	-11.900	-0.0168	-2.5 to 2.5	Pass
				25	4	-12.200	-0.0172	-2.5 to 2.5	Pass
				35	4	-9.200	-0.0130	-2.5 to 2.5	Pass
	715.3	6	0	20	3.4	7.100	0.0099	-2.5 to 2.5	Pass
					4	4.100	0.0057	-2.5 to 2.5	Pass
					4.6	5.100	0.0071	-2.5 to 2.5	Pass
				5	4	3.700	0.0052	-2.5 to 2.5	Pass



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64QAM	699.7	6	0	15	4	5.500	0.0077	-2.5 to 2.5	Pass
				25	4	1.800	0.0025	-2.5 to 2.5	Pass
				35	4	2.700	0.0038	-2.5 to 2.5	Pass
				20	3.4	-192.200	-0.2747	-2.5 to 2.5	Pass
					4	185.600	0.2653	-2.5 to 2.5	Pass
					4.6	161.200	0.2304	-2.5 to 2.5	Pass
				5	4	-189.200	-0.2704	-2.5 to 2.5	Pass
				15	4	-191.900	-0.2743	-2.5 to 2.5	Pass
				25	4	-192.800	-0.2755	-2.5 to 2.5	Pass
				35	4	200.000	0.2858	-2.5 to 2.5	Pass
	707.5	6	0	20	3.4	-192.200	-0.2717	-2.5 to 2.5	Pass
					4	-170.600	-0.2411	-2.5 to 2.5	Pass
					4.6	184.500	0.2608	-2.5 to 2.5	Pass
				5	4	113.200	0.1600	-2.5 to 2.5	Pass
				15	4	-184.500	-0.2608	-2.5 to 2.5	Pass
				25	4	-183.500	-0.2594	-2.5 to 2.5	Pass
				35	4	178.300	0.2520	-2.5 to 2.5	Pass
				20	3.4	190.800	0.2667	-2.5 to 2.5	Pass
					4	-192.900	-0.2697	-2.5 to 2.5	Pass
					4.6	-25.200	-0.0352	-2.5 to 2.5	Pass
	715.3	6	0	5	4	187.600	0.2623	-2.5 to 2.5	Pass
				15	4	-5.500	-0.0077	-2.5 to 2.5	Pass
				25	4	-169.200	-0.2365	-2.5 to 2.5	Pass
				35	4	178.900	0.2501	-2.5 to 2.5	Pass

B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.4	0.900	0.0013	-2.5 to 2.5	Pass
					4	-1.500	-0.0021	-2.5 to 2.5	Pass
					4.6	2.900	0.0041	-2.5 to 2.5	Pass
				5	4	-0.400	-0.0006	-2.5 to 2.5	Pass
				15	4	1.100	0.0016	-2.5 to 2.5	Pass
				25	4	0.800	0.0011	-2.5 to 2.5	Pass
				35	4	-0.100	-0.0001	-2.5 to 2.5	Pass
	707.5	15	0	20	3.4	-2.200	-0.0031	-2.5 to 2.5	Pass
					4	1.300	0.0018	-2.5 to 2.5	Pass
					4.6	1.600	0.0023	-2.5 to 2.5	Pass
				5	4	-0.600	-0.0008	-2.5 to 2.5	Pass
				15	4	-1.500	-0.0021	-2.5 to 2.5	Pass
				25	4	-0.300	-0.0004	-2.5 to 2.5	Pass
				35	4	-0.300	-0.0004	-2.5 to 2.5	Pass
	714.5	15	0	20	3.4	1.900	0.0027	-2.5 to 2.5	Pass
					4	0.800	0.0011	-2.5 to 2.5	Pass
					4.6	3.000	0.0042	-2.5 to 2.5	Pass
				5	4	-0.100	-0.0001	-2.5 to 2.5	Pass
				15	4	1.600	0.0022	-2.5 to 2.5	Pass
				25	4	0.600	0.0008	-2.5 to 2.5	Pass
				35	4	1.200	0.0017	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.4	1.500	0.0021	-2.5 to 2.5	Pass
					4	0.000	0.0000	-2.5 to 2.5	Pass
					4.6	2.700	0.0039	-2.5 to 2.5	Pass



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	707.5	15	0	5	4	1.800	0.0026	-2.5 to 2.5	Pass
				15	4	1.100	0.0016	-2.5 to 2.5	Pass
				25	4	0.700	0.0010	-2.5 to 2.5	Pass
				35	4	-0.500	-0.0007	-2.5 to 2.5	Pass
				20	3.4	2.200	0.0031	-2.5 to 2.5	Pass
					4	-0.900	-0.0013	-2.5 to 2.5	Pass
					4.6	0.200	0.0003	-2.5 to 2.5	Pass
				5	4	-1.100	-0.0016	-2.5 to 2.5	Pass
				15	4	0.500	0.0007	-2.5 to 2.5	Pass
				25	4	1.100	0.0016	-2.5 to 2.5	Pass
				35	4	-0.800	-0.0011	-2.5 to 2.5	Pass
	714.5	15	0	20	3.4	1.200	0.0017	-2.5 to 2.5	Pass
					4	0.900	0.0013	-2.5 to 2.5	Pass
					4.6	1.500	0.0021	-2.5 to 2.5	Pass
				5	4	-0.700	-0.0010	-2.5 to 2.5	Pass
				15	4	2.400	0.0034	-2.5 to 2.5	Pass
				25	4	-0.800	-0.0011	-2.5 to 2.5	Pass
				35	4	3.500	0.0049	-2.5 to 2.5	Pass
	64QAM	700.5	15	20	3.4	-26.700	-0.0381	-2.5 to 2.5	Pass
					4	58.700	0.0838	-2.5 to 2.5	Pass
					4.6	-17.100	-0.0244	-2.5 to 2.5	Pass
				5	4	-40.900	-0.0584	-2.5 to 2.5	Pass
				15	4	37.500	0.0535	-2.5 to 2.5	Pass
				25	4	41.100	0.0587	-2.5 to 2.5	Pass
				35	4	-16.400	-0.0234	-2.5 to 2.5	Pass
		707.5	15	20	3.4	77.100	0.1090	-2.5 to 2.5	Pass
					4	-9.000	-0.0127	-2.5 to 2.5	Pass
					4.6	-36.900	-0.0522	-2.5 to 2.5	Pass
				5	4	4.500	0.0064	-2.5 to 2.5	Pass
				15	4	86.800	0.1227	-2.5 to 2.5	Pass
				25	4	88.000	0.1244	-2.5 to 2.5	Pass
				35	4	49.200	0.0695	-2.5 to 2.5	Pass
		714.5	15	20	3.4	-8.200	-0.0115	-2.5 to 2.5	Pass
					4	-25.900	-0.0362	-2.5 to 2.5	Pass
					4.6	-8.000	-0.0112	-2.5 to 2.5	Pass
				5	4	-17.100	-0.0239	-2.5 to 2.5	Pass
				15	4	-56.900	-0.0796	-2.5 to 2.5	Pass
				25	4	-84.700	-0.1185	-2.5 to 2.5	Pass
				35	4	18.200	0.0255	-2.5 to 2.5	Pass

B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.4	0.400	0.0006	-2.5 to 2.5	Pass
					4	0.400	0.0006	-2.5 to 2.5	Pass
					4.6	1.100	0.0016	-2.5 to 2.5	Pass
				5	4	0.200	0.0003	-2.5 to 2.5	Pass
				15	4	0.800	0.0011	-2.5 to 2.5	Pass
				25	4	0.900	0.0013	-2.5 to 2.5	Pass
				35	4	1.400	0.0020	-2.5 to 2.5	Pass
	707.5	25	0	20	3.4	1.300	0.0018	-2.5 to 2.5	Pass
					4	1.900	0.0027	-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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					4.6	1.700	0.0024	-2.5 to 2.5	Pass
				5	4	0.700	0.0010	-2.5 to 2.5	Pass
				15	4	1.300	0.0018	-2.5 to 2.5	Pass
				25	4	2.300	0.0033	-2.5 to 2.5	Pass
				35	4	2.200	0.0031	-2.5 to 2.5	Pass
	713.5	25	0	20	3.4	1.500	0.0021	-2.5 to 2.5	Pass
					4	1.600	0.0022	-2.5 to 2.5	Pass
					4.6	1.500	0.0021	-2.5 to 2.5	Pass
				5	4	0.800	0.0011	-2.5 to 2.5	Pass
				15	4	0.100	0.0001	-2.5 to 2.5	Pass
				25	4	0.200	0.0003	-2.5 to 2.5	Pass
				35	4	0.000	0.0000	-2.5 to 2.5	Pass
	16QAM	701.5	25	0	20	3.4	0.200	0.0003	-2.5 to 2.5
4						0.800	0.0011	-2.5 to 2.5	Pass
4.6						-0.200	-0.0003	-2.5 to 2.5	Pass
5					4	2.400	0.0034	-2.5 to 2.5	Pass
15					4	0.000	0.0000	-2.5 to 2.5	Pass
25					4	0.300	0.0004	-2.5 to 2.5	Pass
35					4	0.100	0.0001	-2.5 to 2.5	Pass
707.5		25	0	20	3.4	0.900	0.0013	-2.5 to 2.5	Pass
					4	2.200	0.0031	-2.5 to 2.5	Pass
					4.6	2.400	0.0034	-2.5 to 2.5	Pass
				5	4	1.800	0.0025	-2.5 to 2.5	Pass
				15	4	0.700	0.0010	-2.5 to 2.5	Pass
				25	4	1.500	0.0021	-2.5 to 2.5	Pass
				35	4	1.600	0.0023	-2.5 to 2.5	Pass
713.5		25	0	20	3.4	0.000	0.0000	-2.5 to 2.5	Pass
					4	1.300	0.0018	-2.5 to 2.5	Pass
					4.6	0.300	0.0004	-2.5 to 2.5	Pass
				5	4	1.200	0.0017	-2.5 to 2.5	Pass
	15			4	-0.400	-0.0006	-2.5 to 2.5	Pass	
	25			4	-0.300	-0.0004	-2.5 to 2.5	Pass	
	35			4	2.000	0.0028	-2.5 to 2.5	Pass	
64QAM	701.5	25	0	20	3.4	-16.100	-0.0230	-2.5 to 2.5	Pass
					4	-7.800	-0.0111	-2.5 to 2.5	Pass
					4.6	37.000	0.0527	-2.5 to 2.5	Pass
				5	4	-17.000	-0.0242	-2.5 to 2.5	Pass
				15	4	-30.600	-0.0436	-2.5 to 2.5	Pass
				25	4	-7.800	-0.0111	-2.5 to 2.5	Pass
				35	4	-3.400	-0.0048	-2.5 to 2.5	Pass
	707.5	25	0	20	3.4	4.900	0.0069	-2.5 to 2.5	Pass
					4	30.500	0.0431	-2.5 to 2.5	Pass
					4.6	-6.800	-0.0096	-2.5 to 2.5	Pass
				5	4	-30.900	-0.0437	-2.5 to 2.5	Pass
				15	4	12.200	0.0172	-2.5 to 2.5	Pass
				25	4	-27.100	-0.0383	-2.5 to 2.5	Pass
				35	4	18.900	0.0267	-2.5 to 2.5	Pass
	713.5	25	0	20	3.4	6.600	0.0093	-2.5 to 2.5	Pass
					4	-28.800	-0.0404	-2.5 to 2.5	Pass
					4.6	-2.400	-0.0034	-2.5 to 2.5	Pass
				5	4	-10.600	-0.0149	-2.5 to 2.5	Pass
15				4	12.400	0.0174	-2.5 to 2.5	Pass	

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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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				35	4	-50.900	-0.0713	-2.5 to 2.5	Pass
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B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.4	-0.800	-0.0011	-2.5 to 2.5	Pass
					4	0.200	0.0003	-2.5 to 2.5	Pass
					4.6	1.800	0.0026	-2.5 to 2.5	Pass
				5	4	-1.700	-0.0024	-2.5 to 2.5	Pass
				15	4	-0.400	-0.0006	-2.5 to 2.5	Pass
				25	4	-1.100	-0.0016	-2.5 to 2.5	Pass
				35	4	-0.700	-0.0010	-2.5 to 2.5	Pass
	707.5	50	0	20	3.4	-1.300	-0.0018	-2.5 to 2.5	Pass
					4	-1.600	-0.0023	-2.5 to 2.5	Pass
					4.6	0.300	0.0004	-2.5 to 2.5	Pass
				5	4	1.700	0.0024	-2.5 to 2.5	Pass
				15	4	-0.800	-0.0011	-2.5 to 2.5	Pass
				25	4	-0.600	-0.0008	-2.5 to 2.5	Pass
				35	4	0.600	0.0008	-2.5 to 2.5	Pass
	711	50	0	20	3.4	0.100	0.0001	-2.5 to 2.5	Pass
					4	0.600	0.0008	-2.5 to 2.5	Pass
					4.6	0.300	0.0004	-2.5 to 2.5	Pass
				5	4	-0.300	-0.0004	-2.5 to 2.5	Pass
				15	4	-0.700	-0.0010	-2.5 to 2.5	Pass
				25	4	0.100	0.0001	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.4	-1.000	-0.0014	-2.5 to 2.5	Pass
					4	0.900	0.0013	-2.5 to 2.5	Pass
					4.6	0.400	0.0006	-2.5 to 2.5	Pass
				5	4	-0.300	-0.0004	-2.5 to 2.5	Pass
				15	4	-0.400	-0.0006	-2.5 to 2.5	Pass
				25	4	-0.100	-0.0001	-2.5 to 2.5	Pass
				35	4	-0.300	-0.0004	-2.5 to 2.5	Pass
	707.5	50	0	20	3.4	0.100	0.0001	-2.5 to 2.5	Pass
					4	0.500	0.0007	-2.5 to 2.5	Pass
					4.6	0.000	0.0000	-2.5 to 2.5	Pass
				5	4	0.100	0.0001	-2.5 to 2.5	Pass
				15	4	0.200	0.0003	-2.5 to 2.5	Pass
				25	4	0.000	0.0000	-2.5 to 2.5	Pass
				35	4	-1.200	-0.0017	-2.5 to 2.5	Pass
	711	50	0	20	3.4	1.200	0.0017	-2.5 to 2.5	Pass
					4	1.000	0.0014	-2.5 to 2.5	Pass
					4.6	-0.900	-0.0013	-2.5 to 2.5	Pass
				5	4	-0.300	-0.0004	-2.5 to 2.5	Pass
				15	4	-0.900	-0.0013	-2.5 to 2.5	Pass
				25	4	-0.900	-0.0013	-2.5 to 2.5	Pass
64QAM	704	50	0	20	3.4	-16.700	-0.0237	-2.5 to 2.5	Pass
					4	-23.100	-0.0328	-2.5 to 2.5	Pass
					4.6	-22.000	-0.0313	-2.5 to 2.5	Pass
				5	4	19.500	0.0277	-2.5 to 2.5	Pass
				15	4	-11.000	-0.0156	-2.5 to 2.5	Pass



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				25	4	-28.700	-0.0408	-2.5 to 2.5	Pass
				35	4	0.600	0.0009	-2.5 to 2.5	Pass
	707.5	50	0	20	3.4	7.900	0.0112	-2.5 to 2.5	Pass
					4	-4.500	-0.0064	-2.5 to 2.5	Pass
					4.6	17.100	0.0242	-2.5 to 2.5	Pass
				5	4	13.200	0.0187	-2.5 to 2.5	Pass
				15	4	-16.300	-0.0230	-2.5 to 2.5	Pass
				25	4	-16.300	-0.0230	-2.5 to 2.5	Pass
				35	4	15.000	0.0212	-2.5 to 2.5	Pass
	711	50	0	20	3.4	7.900	0.0111	-2.5 to 2.5	Pass
					4	15.000	0.0211	-2.5 to 2.5	Pass
					4.6	-1.300	-0.0018	-2.5 to 2.5	Pass
				5	4	-7.200	-0.0101	-2.5 to 2.5	Pass
				15	4	-30.200	-0.0425	-2.5 to 2.5	Pass
				25	4	20.200	0.0284	-2.5 to 2.5	Pass
				35	4	13.800	0.0194	-2.5 to 2.5	Pass



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26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band12_OBW

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.084	/	Pass
		707.5	6	0	1.088	/	Pass
		715.3	6	0	1.088	/	Pass
	16QAM	699.7	6	0	1.089	/	Pass
		707.5	6	0	1.089	/	Pass
		715.3	6	0	1.092	/	Pass
	64QAM	699.7	6	0	1.086	/	Pass
		707.5	6	0	1.087	/	Pass
		715.3	6	0	1.100	/	Pass
3	QPSK	700.5	15	0	2.692	/	Pass
		707.5	15	0	2.697	/	Pass
		714.5	15	0	2.694	/	Pass
	16QAM	700.5	15	0	2.692	/	Pass
		707.5	15	0	2.698	/	Pass
		714.5	15	0	2.695	/	Pass
	64QAM	700.5	15	0	2.688	/	Pass
		707.5	15	0	2.688	/	Pass
		714.5	15	0	2.692	/	Pass
5	QPSK	701.5	25	0	4.482	/	Pass
		707.5	25	0	4.483	/	Pass
		713.5	25	0	4.471	/	Pass
	16QAM	701.5	25	0	4.481	/	Pass
		707.5	25	0	4.478	/	Pass
		713.5	25	0	4.485	/	Pass
	64QAM	701.5	25	0	4.500	/	Pass
		707.5	25	0	4.496	/	Pass
		713.5	25	0	4.473	/	Pass
10	QPSK	704	50	0	8.994	/	Pass
		707.5	50	0	8.981	/	Pass
		711	50	0	8.888	/	Pass
	16QAM	704	50	0	8.985	/	Pass
		707.5	50	0	8.960	/	Pass
		711	50	0	8.902	/	Pass
	64QAM	704	50	0	8.961	/	Pass
		707.5	50	0	8.960	/	Pass
		711	50	0	8.914	/	Pass



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Band12_XDB

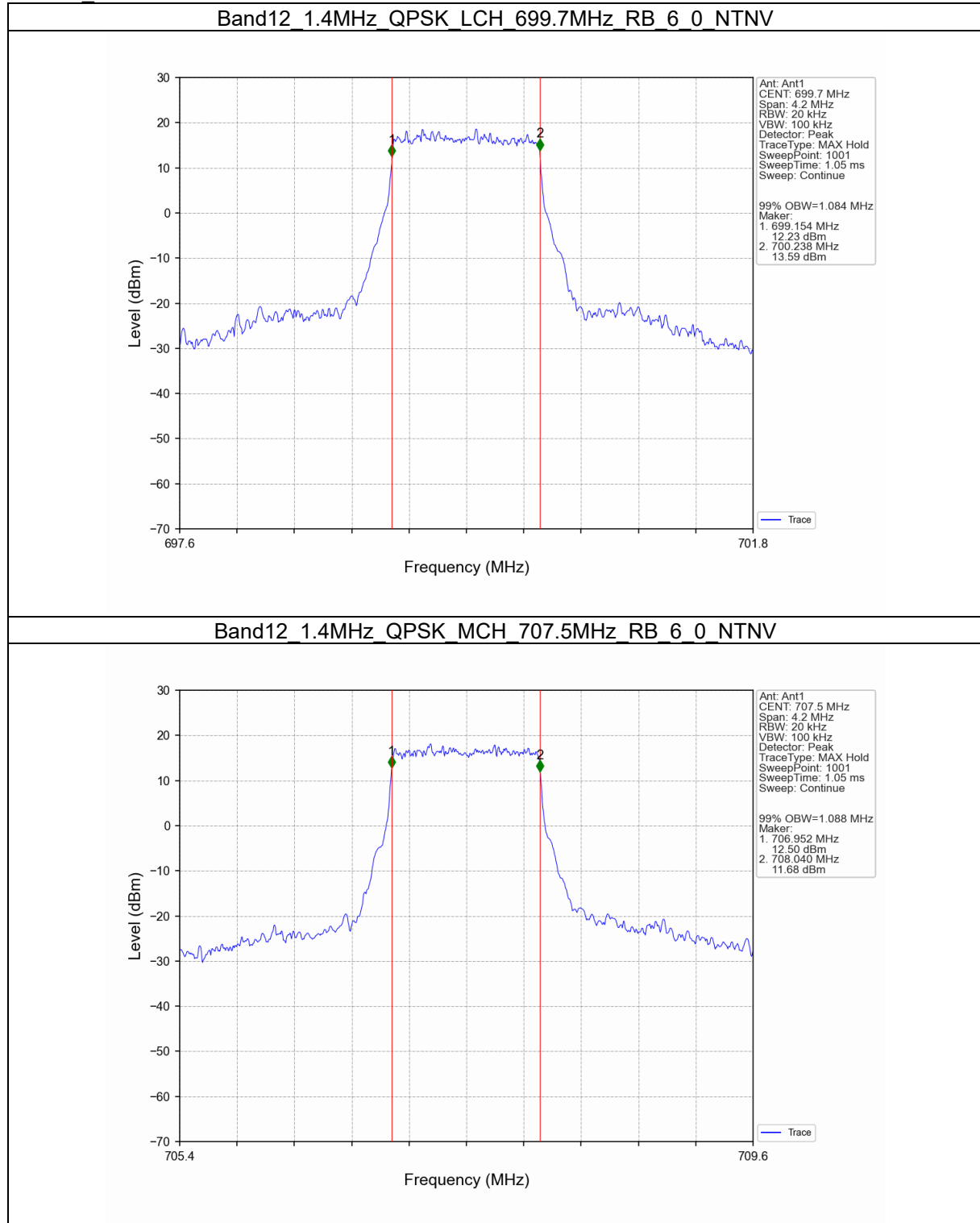
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.328	/	Pass
		707.5	6	0	1.338	/	Pass
		715.3	6	0	1.339	/	Pass
	16QAM	699.7	6	0	1.333	/	Pass
		707.5	6	0	1.314	/	Pass
		715.3	6	0	1.339	/	Pass
	64QAM	699.7	6	0	1.301	/	Pass
		707.5	6	0	1.333	/	Pass
		715.3	6	0	1.322	/	Pass
3	QPSK	700.5	15	0	2.988	/	Pass
		707.5	15	0	3.015	/	Pass
		714.5	15	0	2.940	/	Pass
	16QAM	700.5	15	0	2.969	/	Pass
		707.5	15	0	2.995	/	Pass
		714.5	15	0	2.960	/	Pass
	64QAM	700.5	15	0	2.991	/	Pass
		707.5	15	0	2.967	/	Pass
		714.5	15	0	2.971	/	Pass
5	QPSK	701.5	25	0	5.020	/	Pass
		707.5	25	0	5.032	/	Pass
		713.5	25	0	4.944	/	Pass
	16QAM	701.5	25	0	5.046	/	Pass
		707.5	25	0	5.090	/	Pass
		713.5	25	0	4.946	/	Pass
	64QAM	701.5	25	0	5.039	/	Pass
		707.5	25	0	4.969	/	Pass
		713.5	25	0	4.979	/	Pass
10	QPSK	704	50	0	9.706	/	Pass
		707.5	50	0	9.732	/	Pass
		711	50	0	9.547	/	Pass
	16QAM	704	50	0	9.782	/	Pass
		707.5	50	0	9.999	/	Pass
		711	50	0	9.644	/	Pass
	64QAM	704	50	0	9.832	/	Pass
		707.5	50	0	9.652	/	Pass
		711	50	0	9.565	/	Pass



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Test Graph

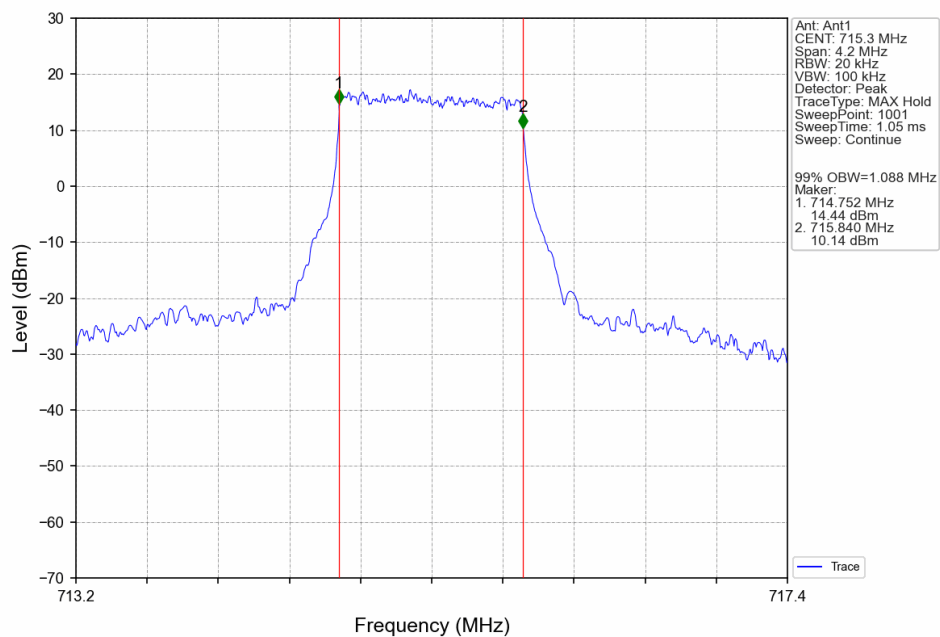
Band12_OBW



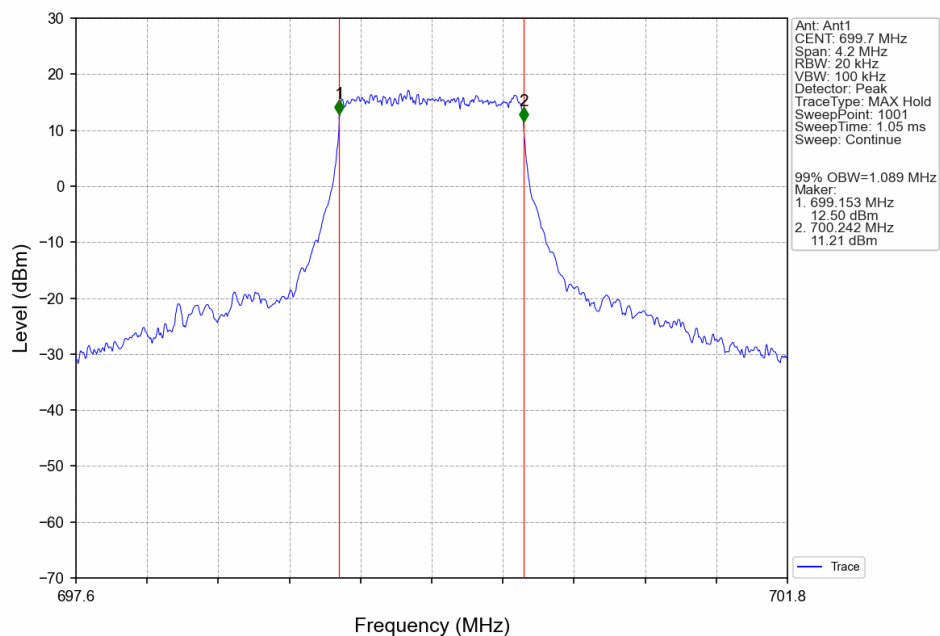


Test Report No.: RF260703B004

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



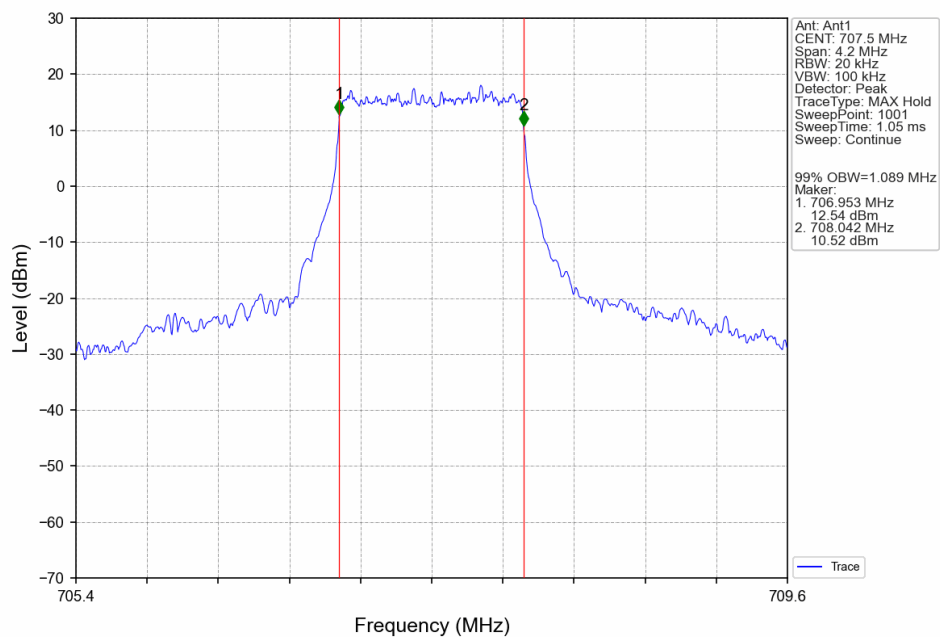
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



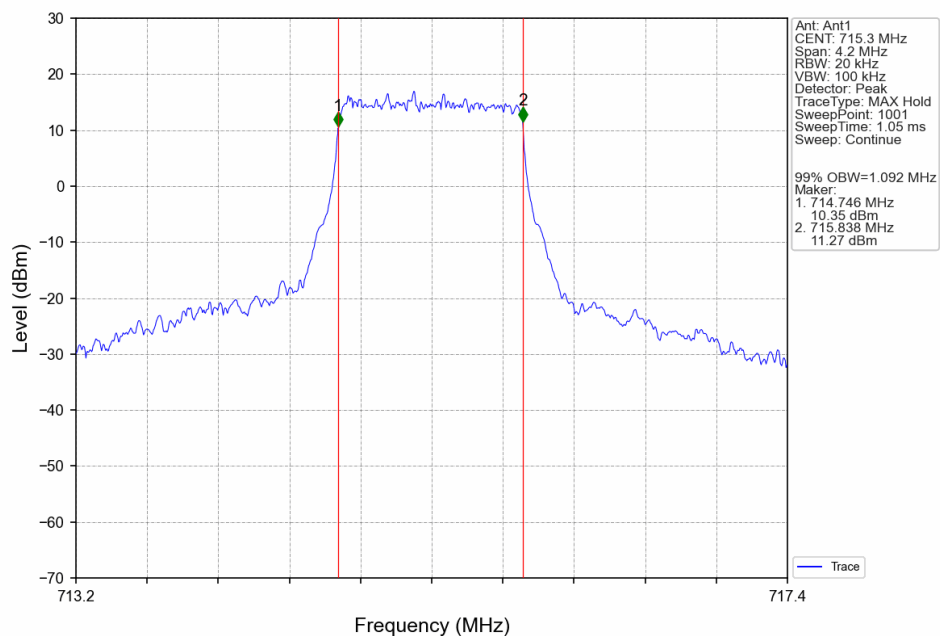


Test Report No.: RF260703B004

Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



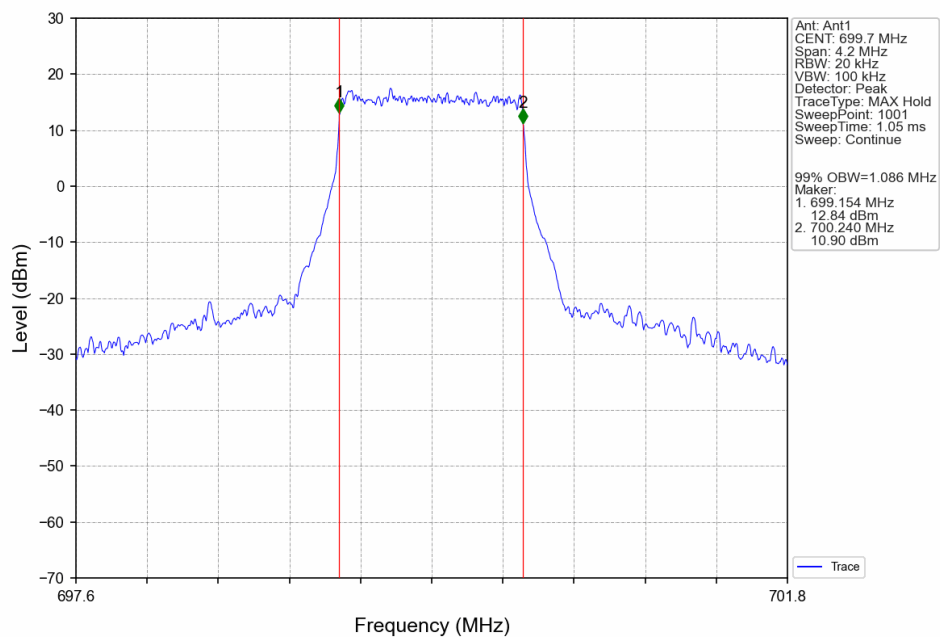
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



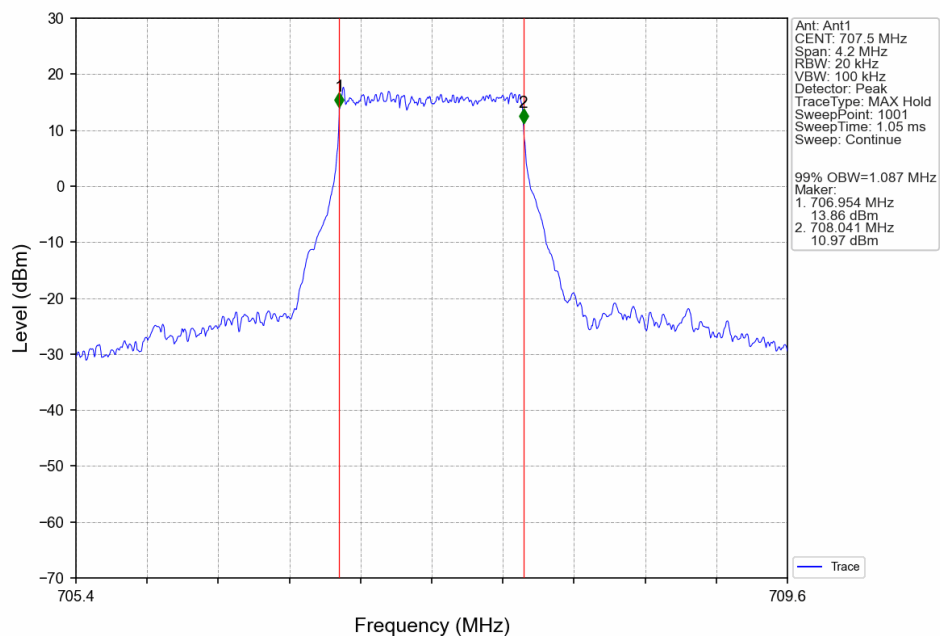


Test Report No.: RF260703B004

Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



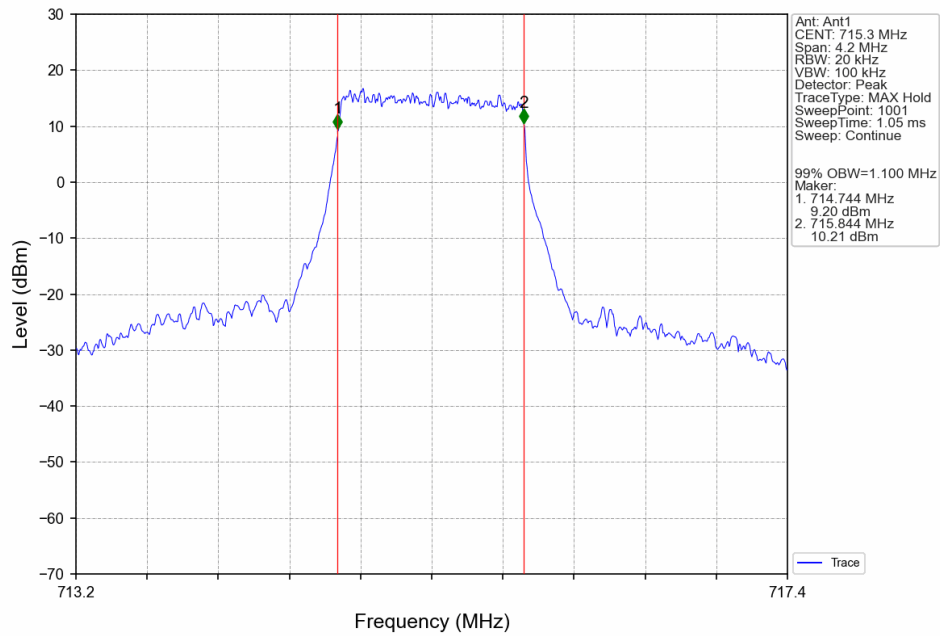
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



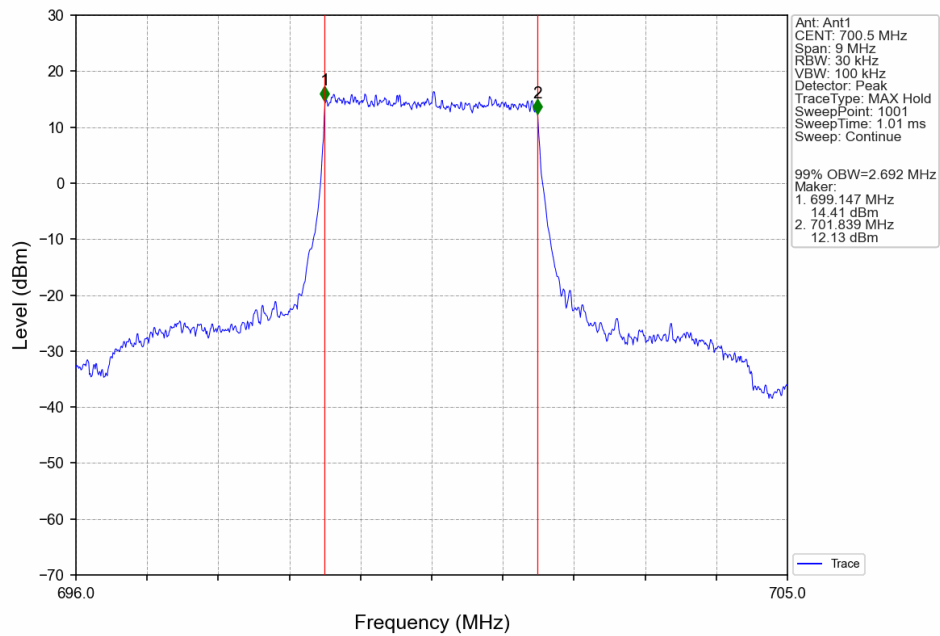


Test Report No.: RF260703B004

Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



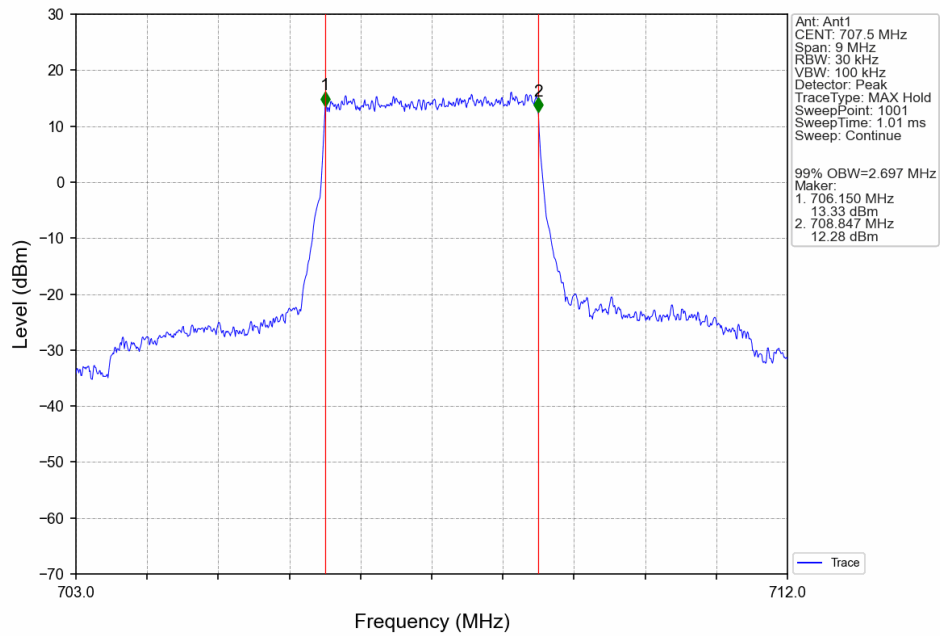
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



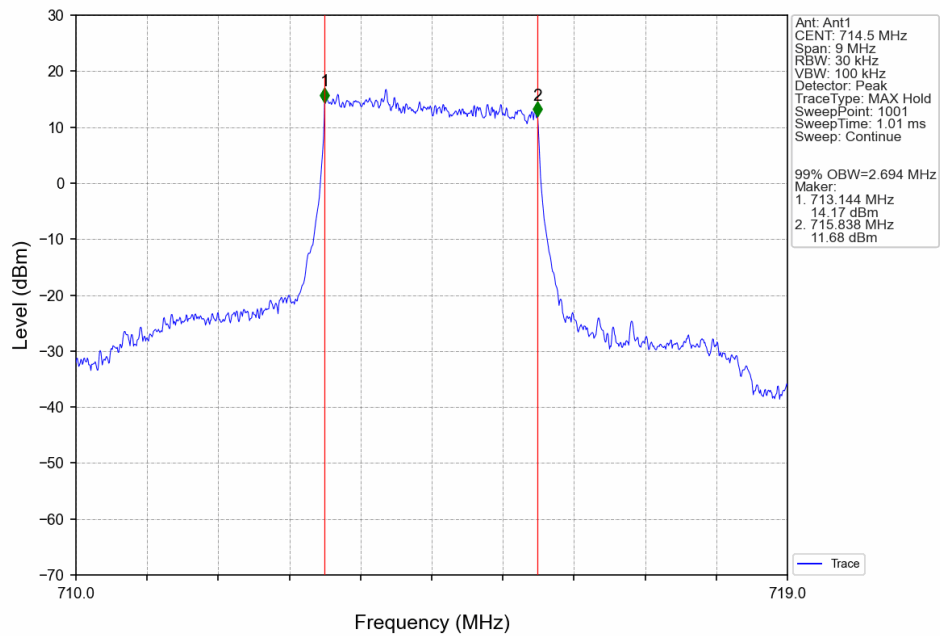


Test Report No.: RF260703B004

Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



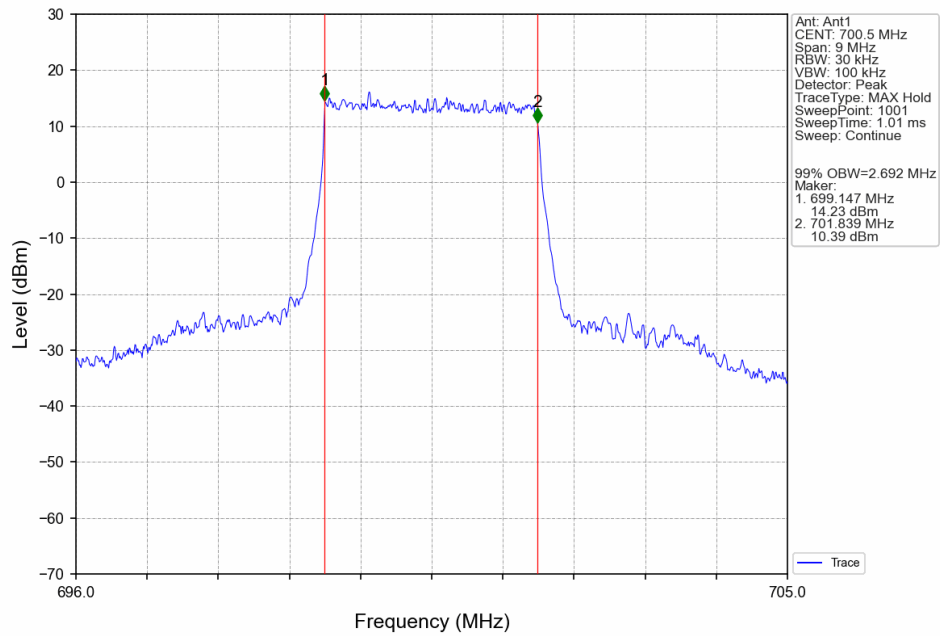
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



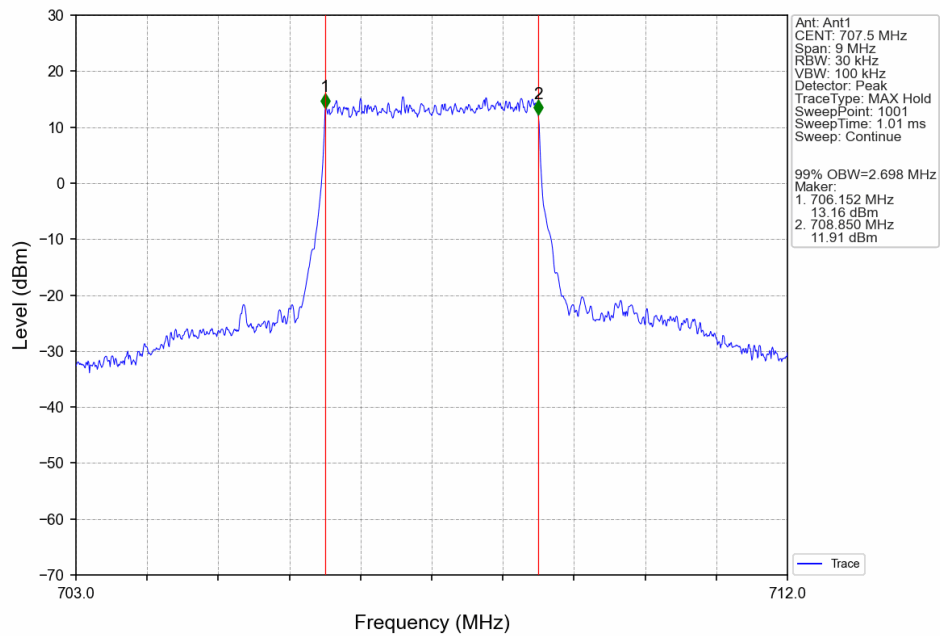


Test Report No.: RF260703B004

Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



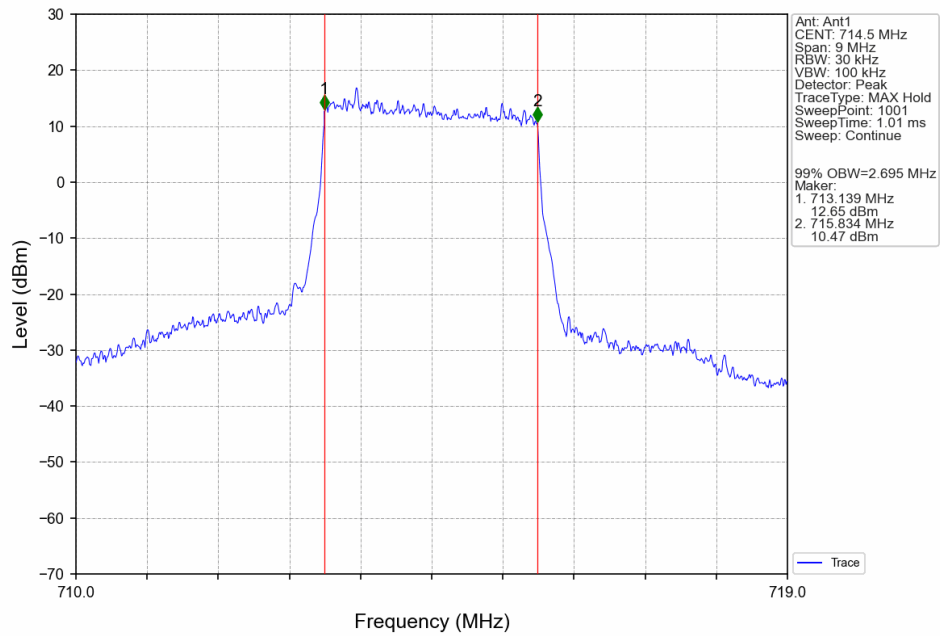
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



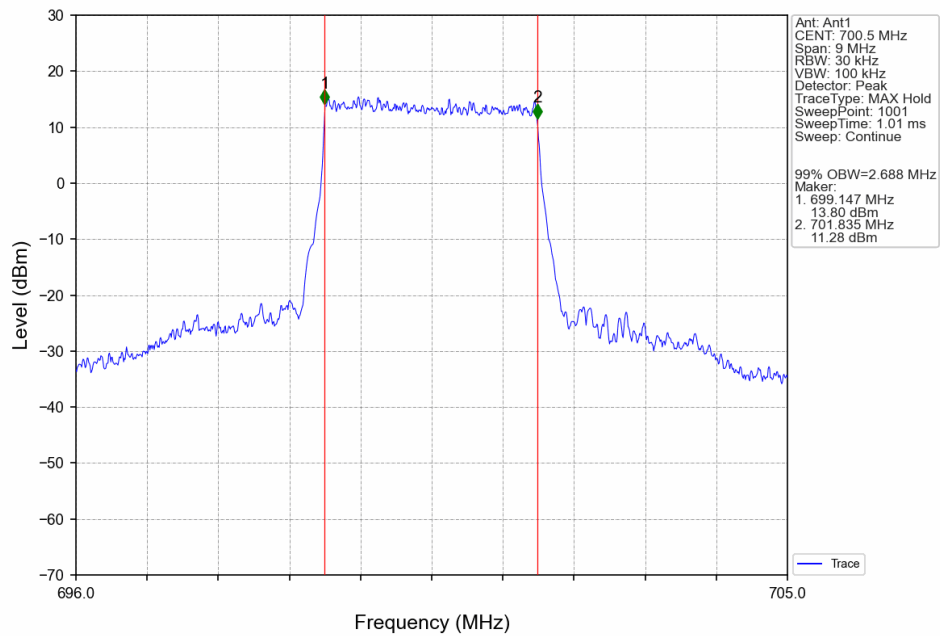


Test Report No.: RF260703B004

Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



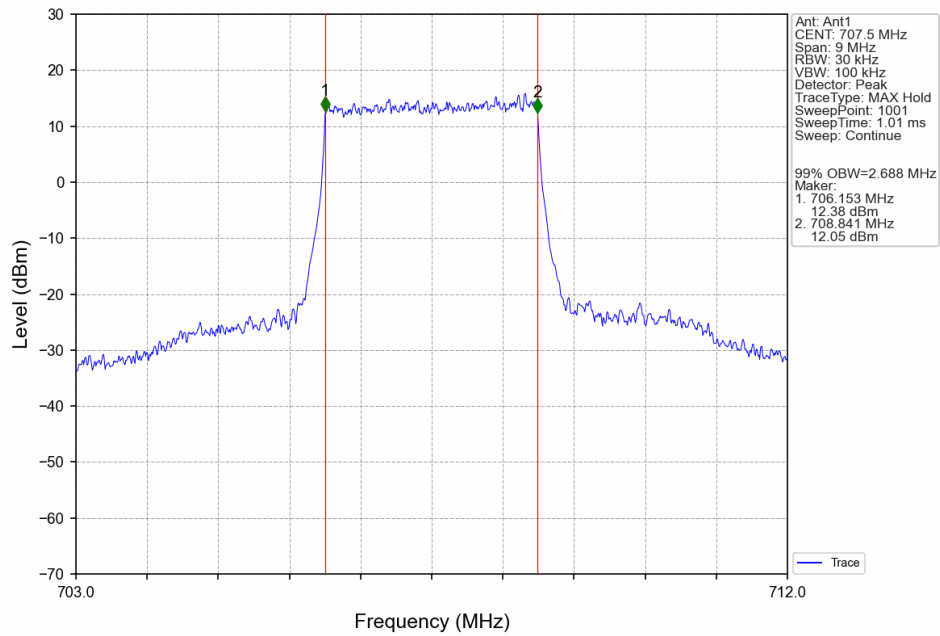
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



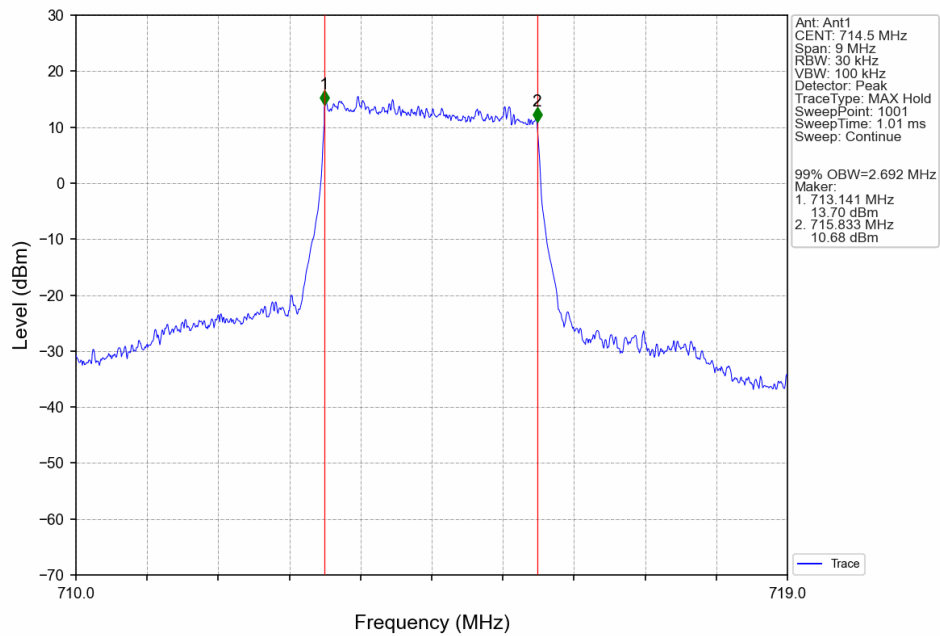


Test Report No.: RF260703B004

Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



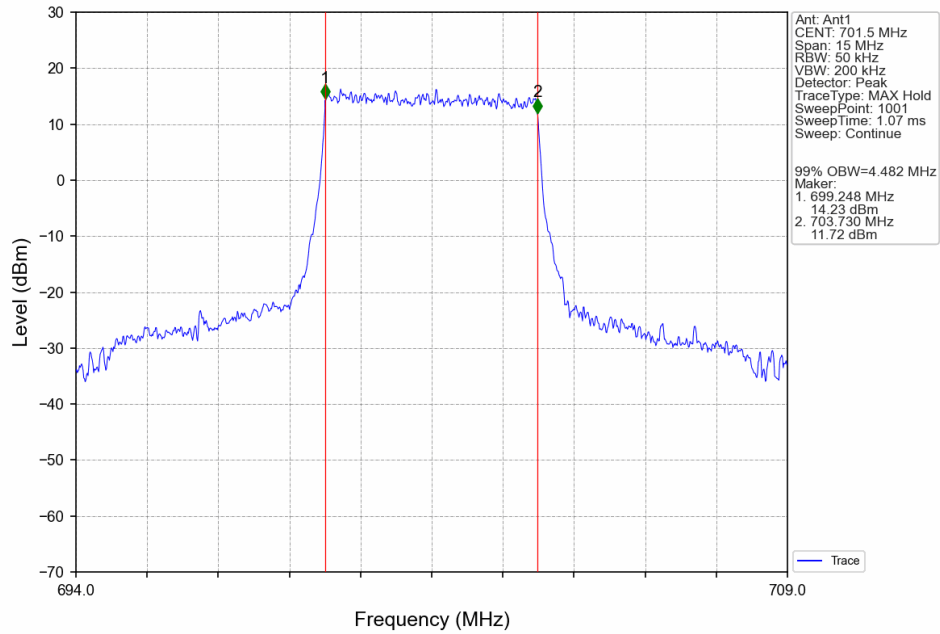
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



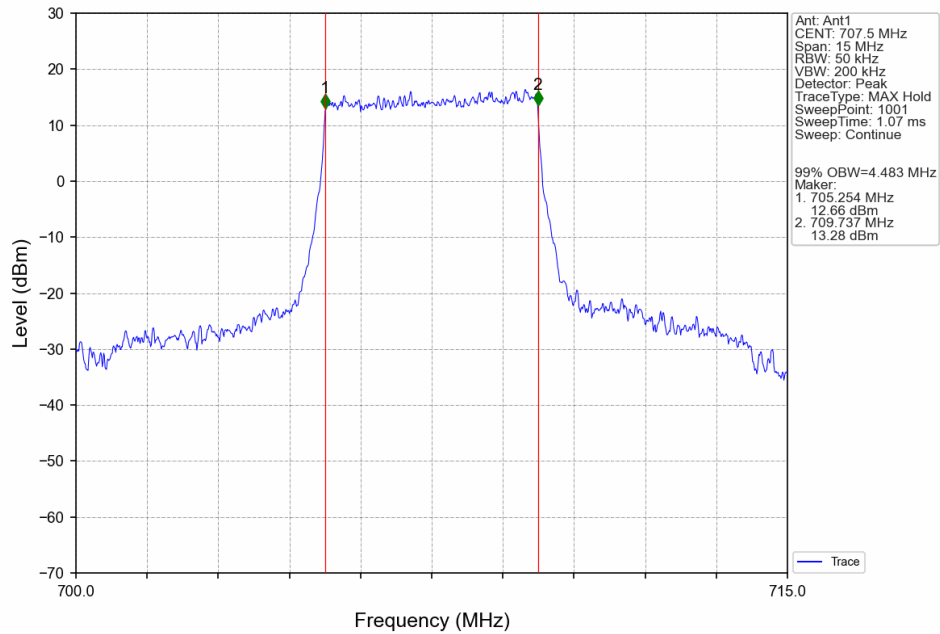


Test Report No.: RF260703B004

Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



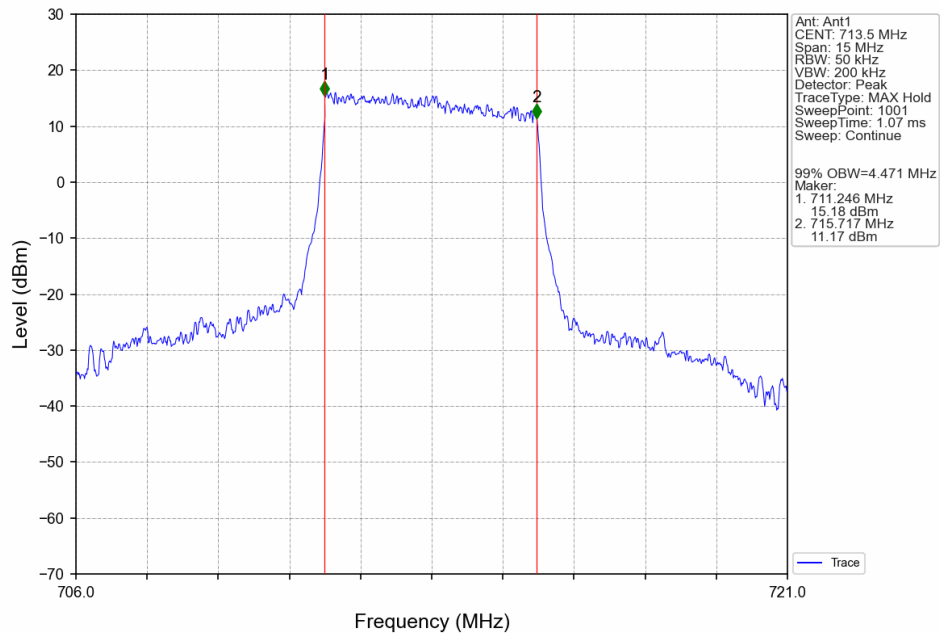
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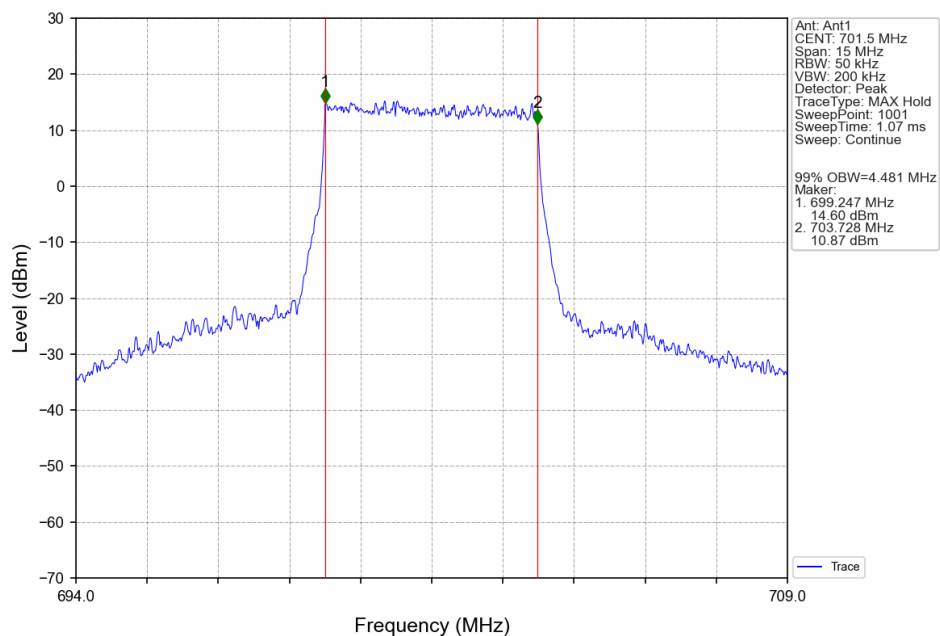


Test Report No.: RF260703B004

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



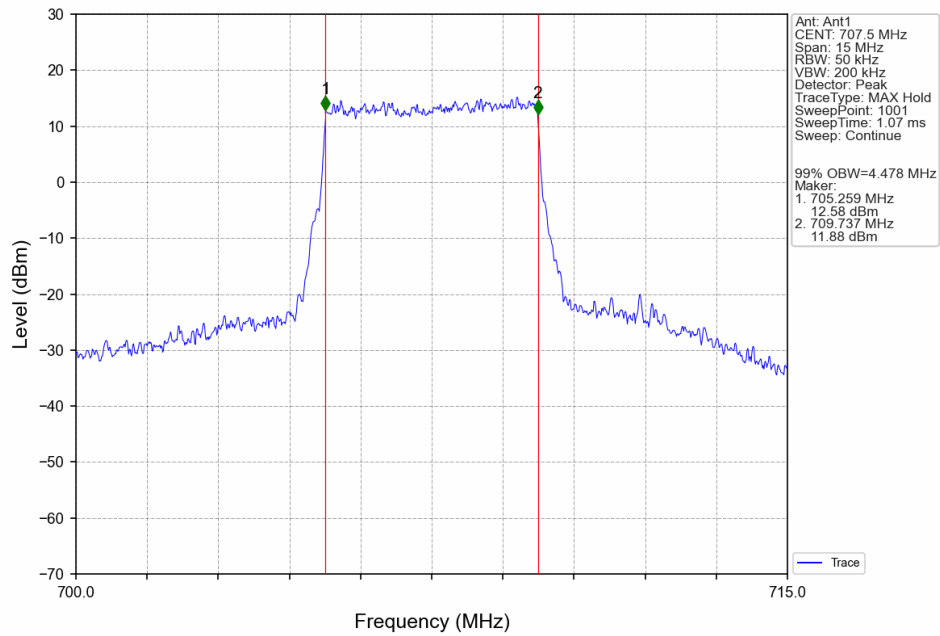
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



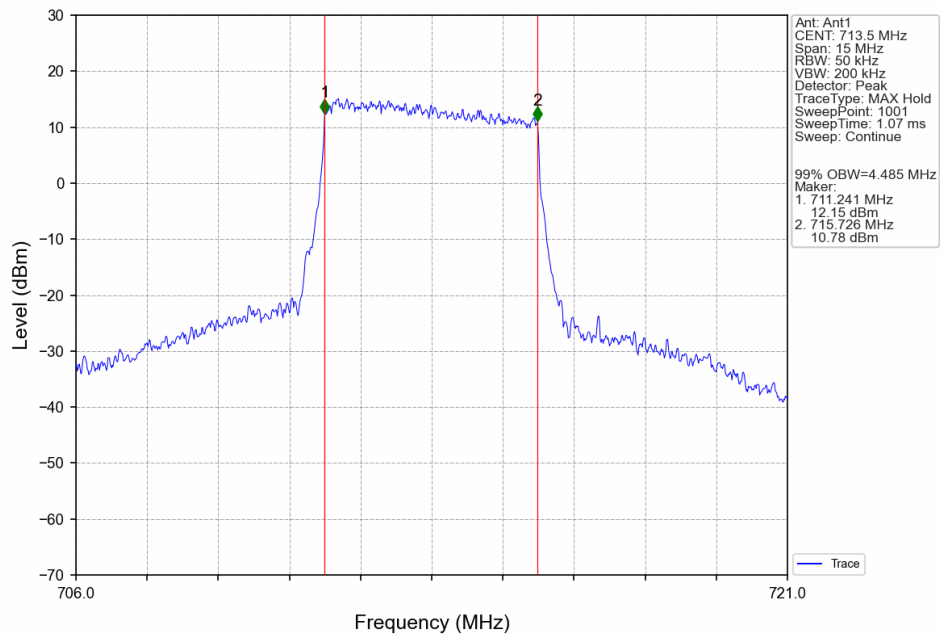


Test Report No.: RF260703B004

Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



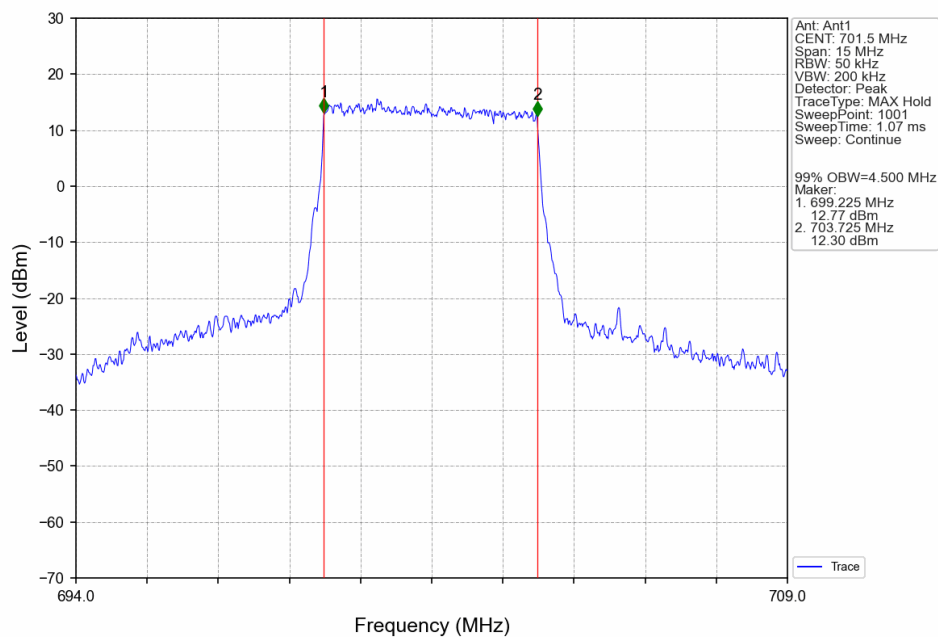
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



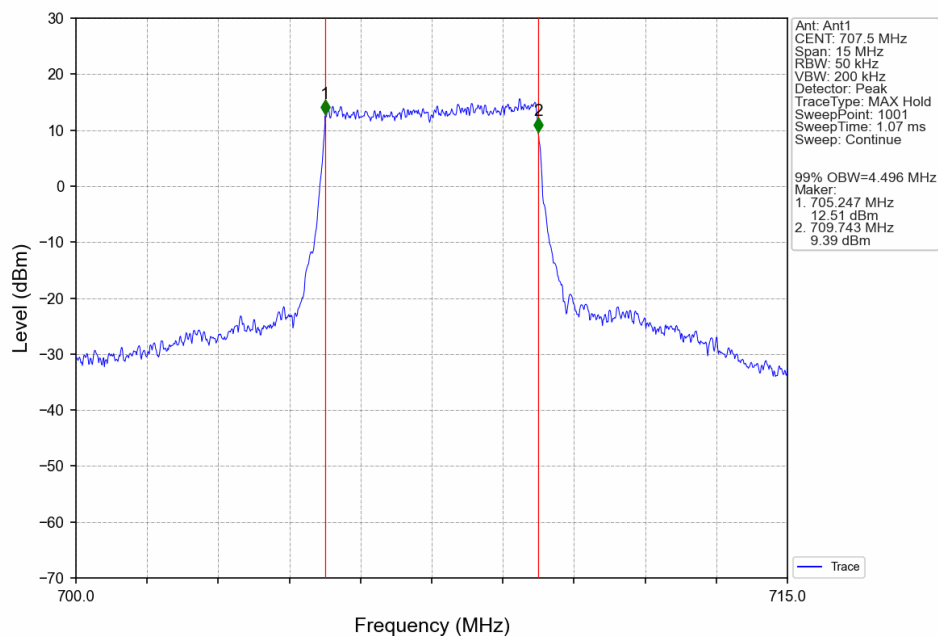


Test Report No.: RF260703B004

Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



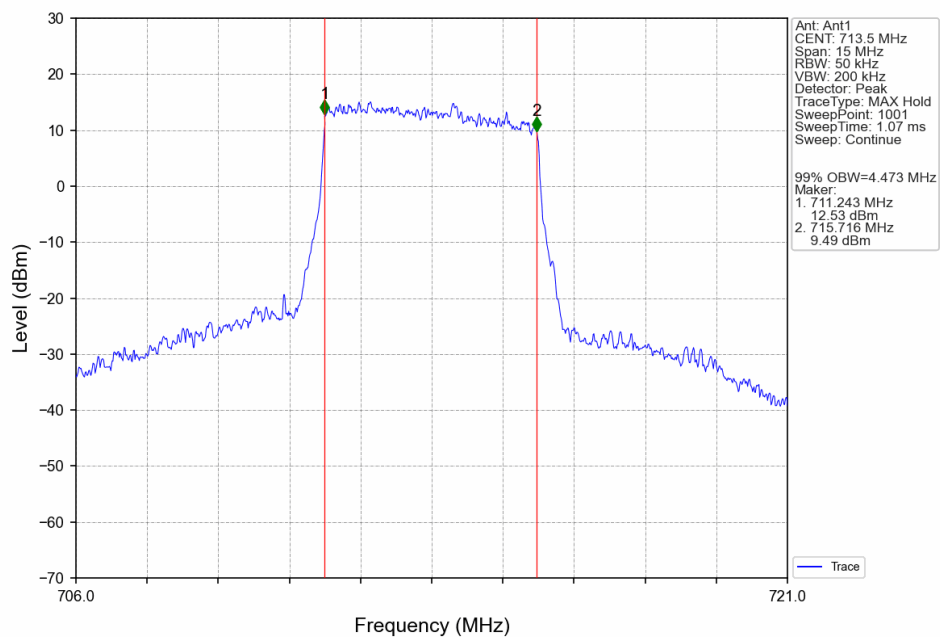
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



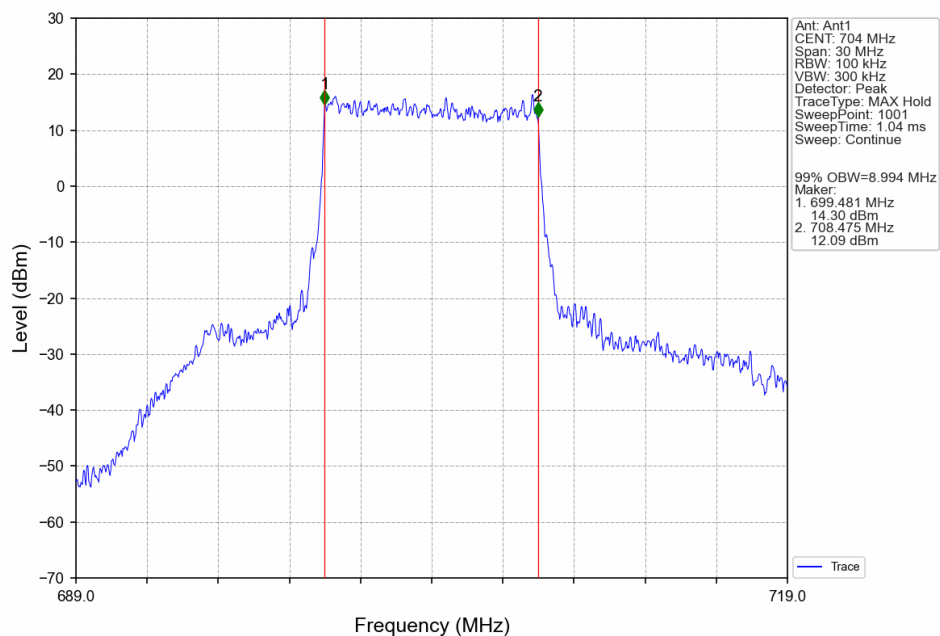


Test Report No.: RF260703B004

Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



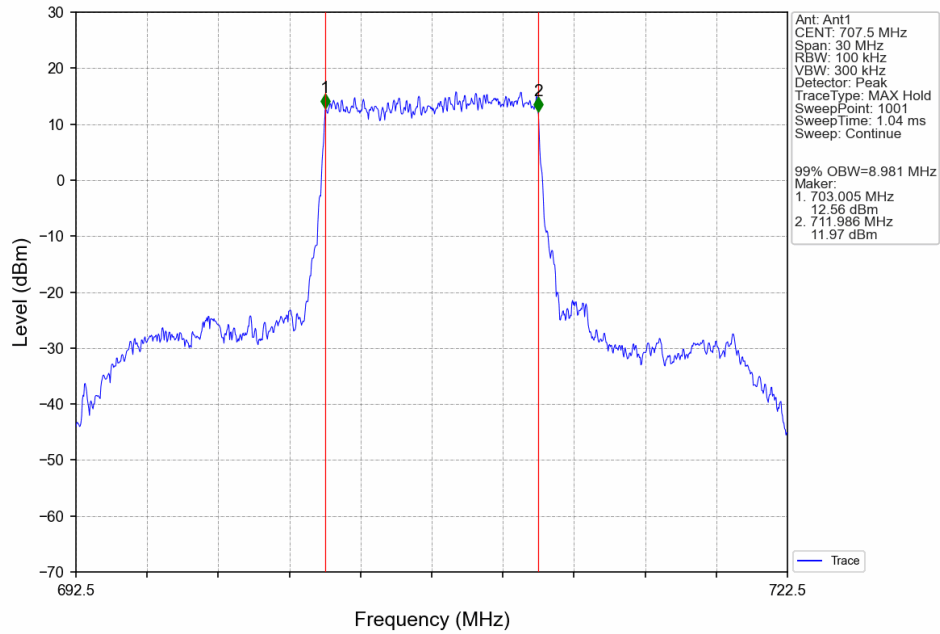
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



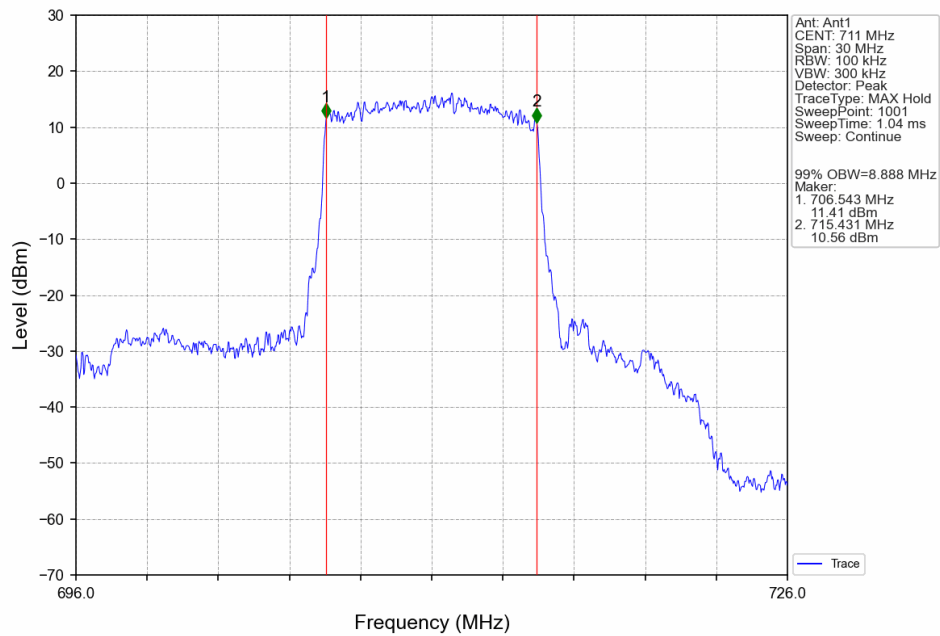


Test Report No.: RF260703B004

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



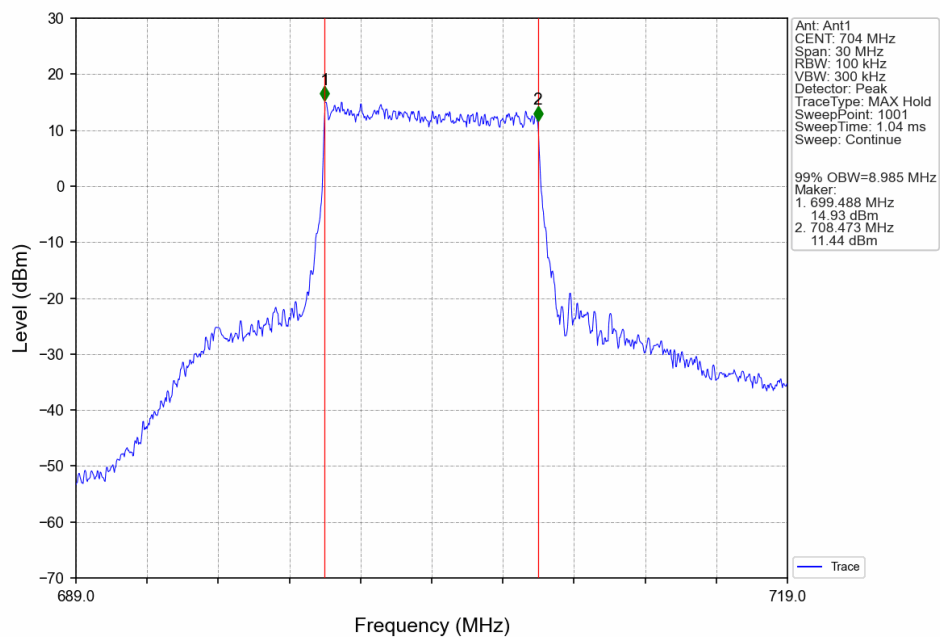
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



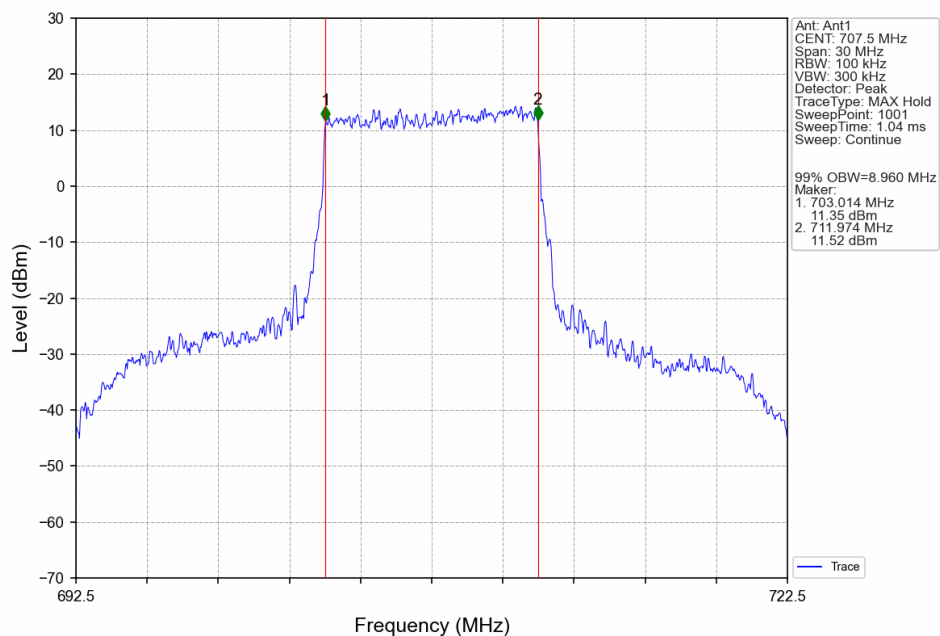


Test Report No.: RF260703B004

Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



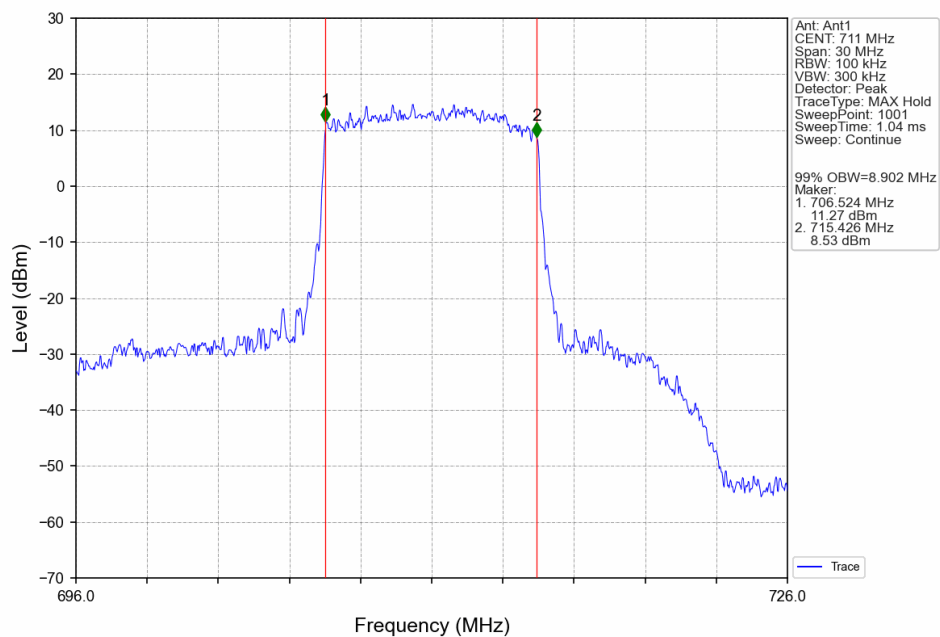
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



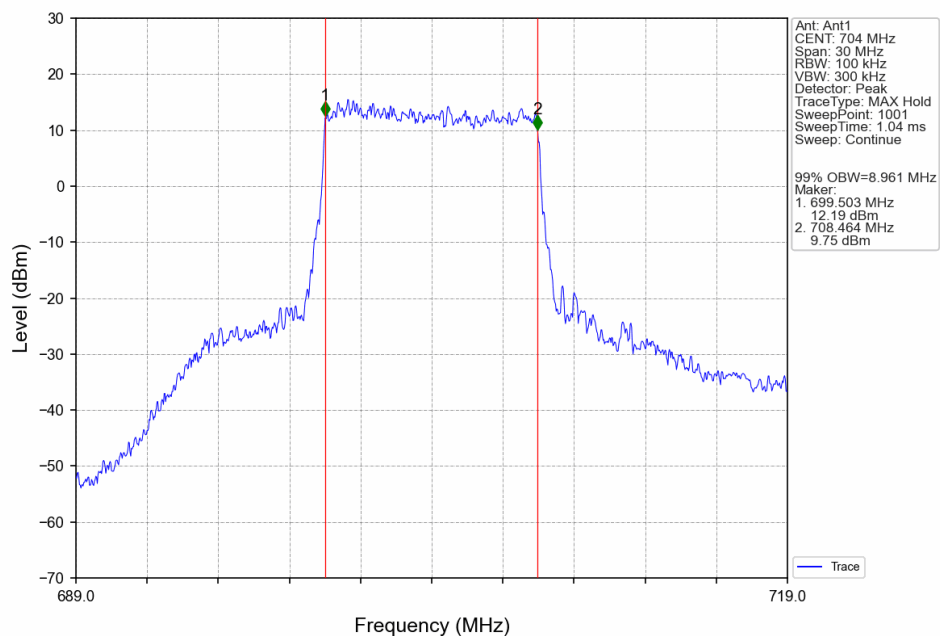


Test Report No.: RF260703B004

Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



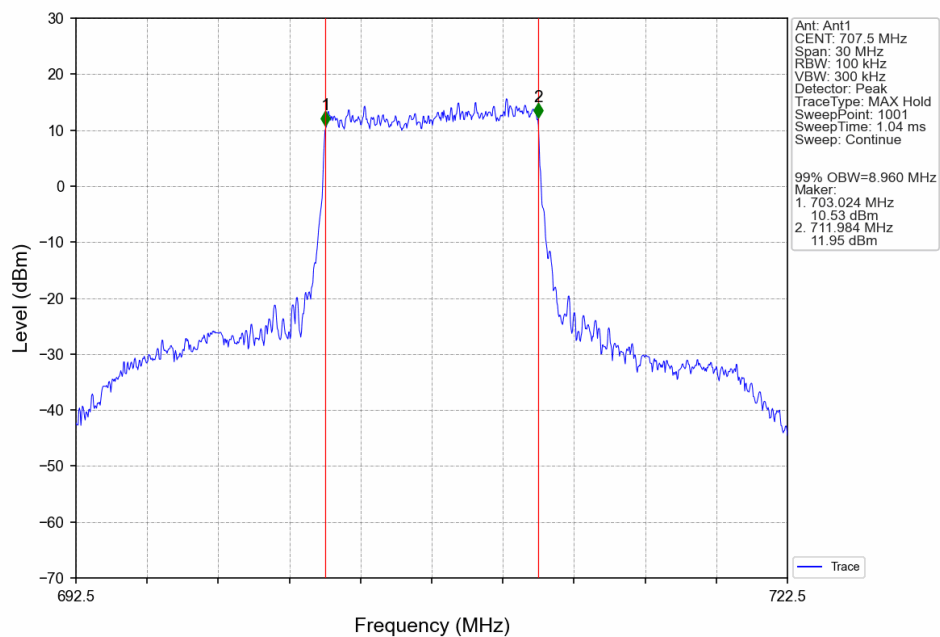
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



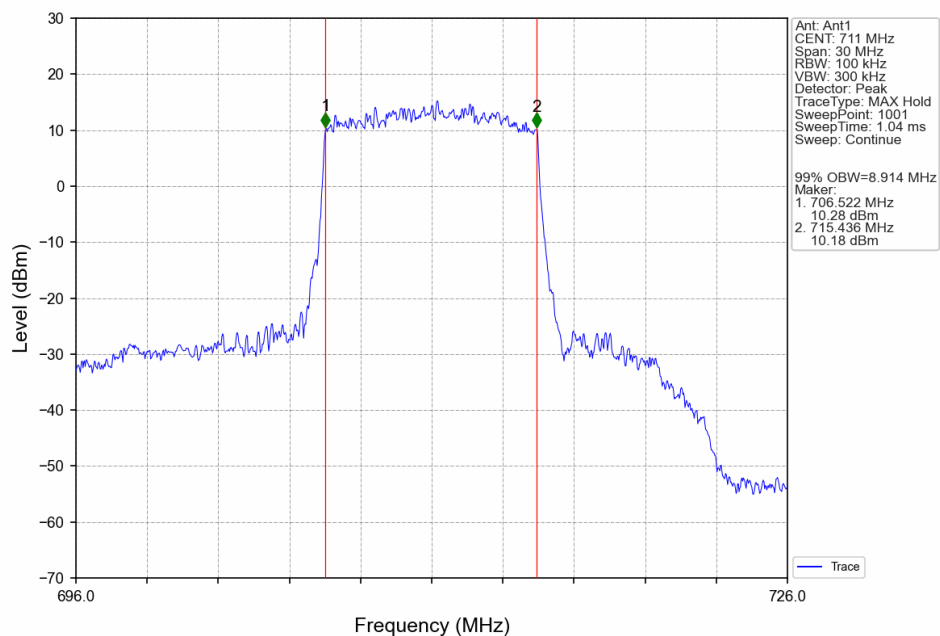


Test Report No.: RF260703B004

Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



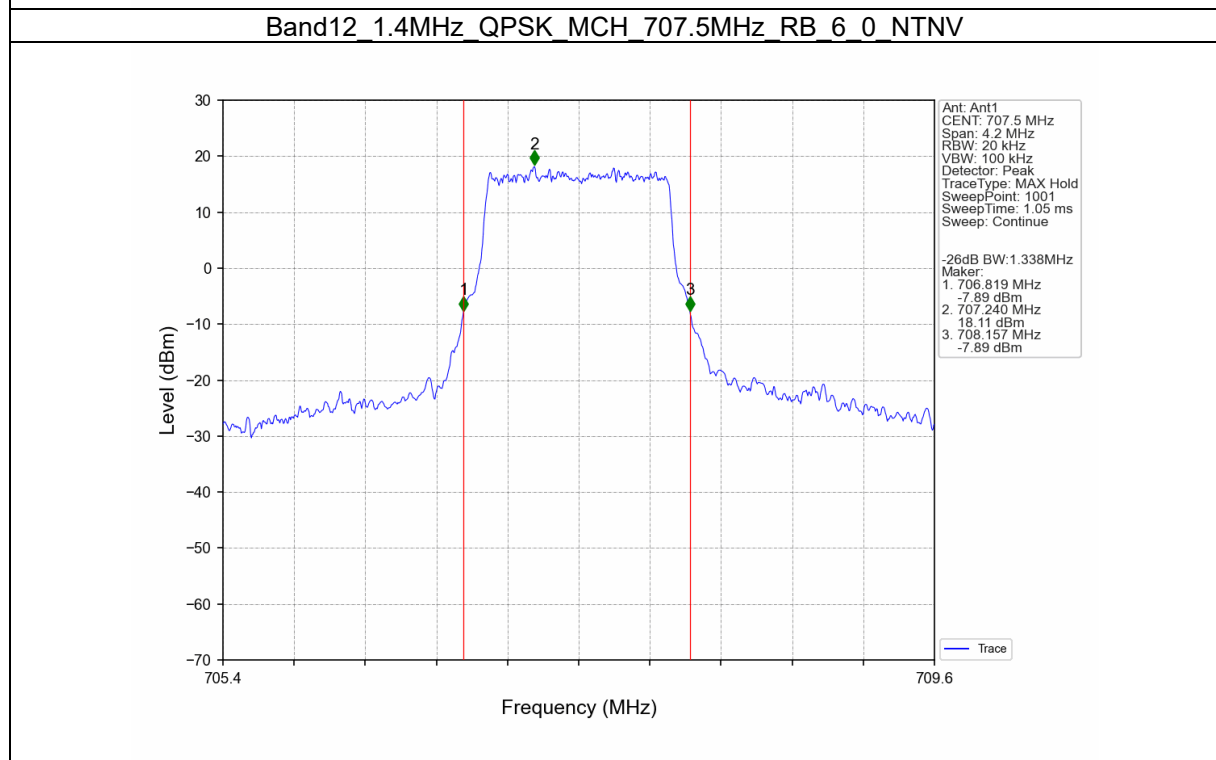
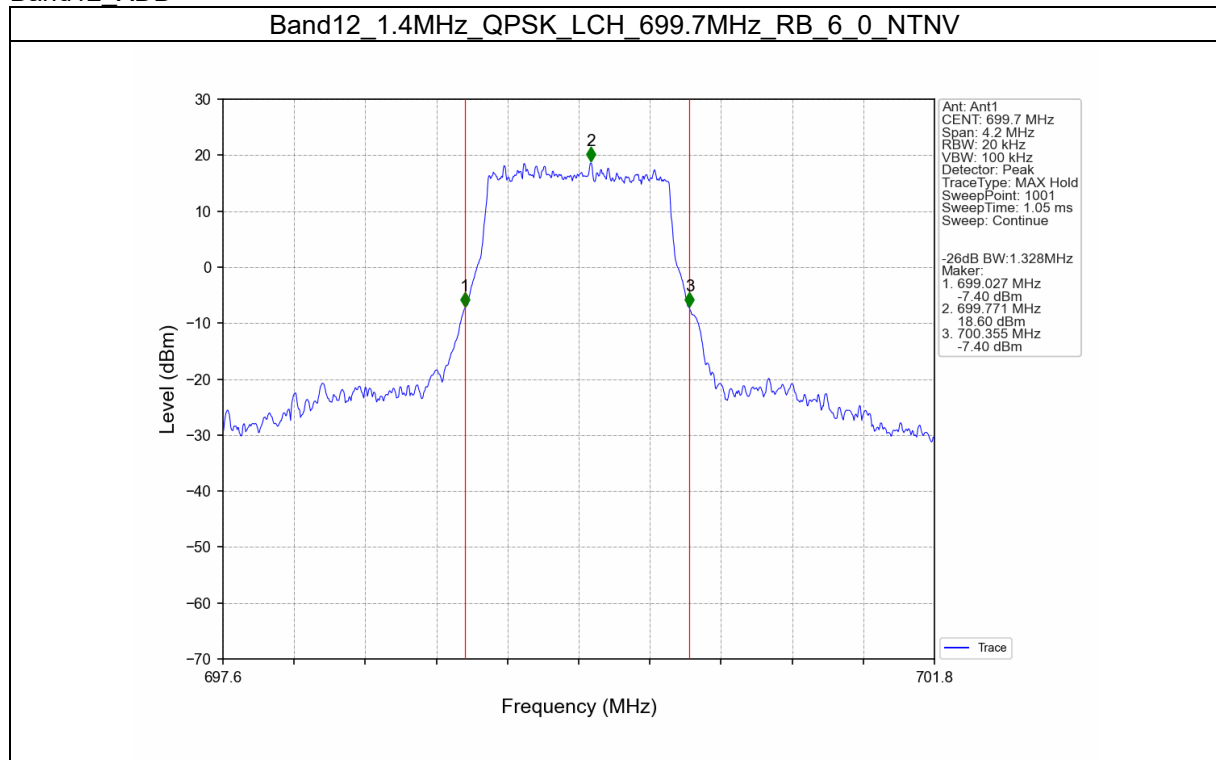
Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV





Test Report No.: RF260703B004

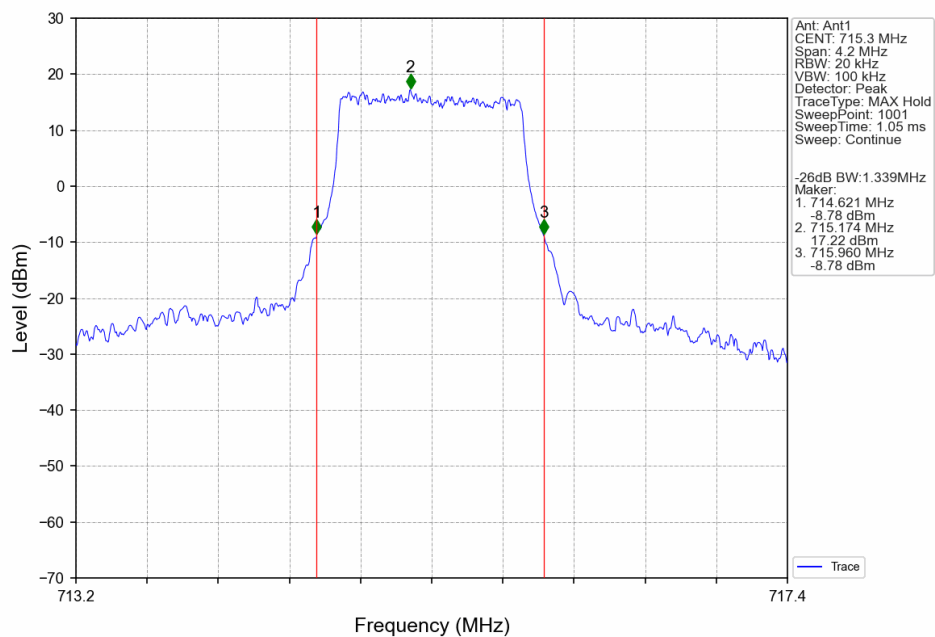
Band12_XDB





Test Report No.: RF260703B004

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

