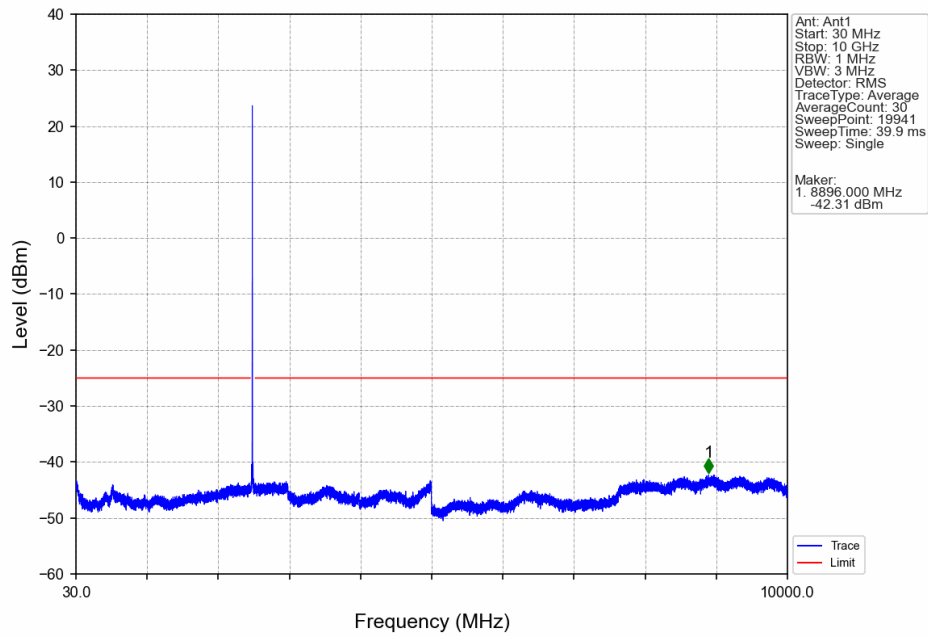


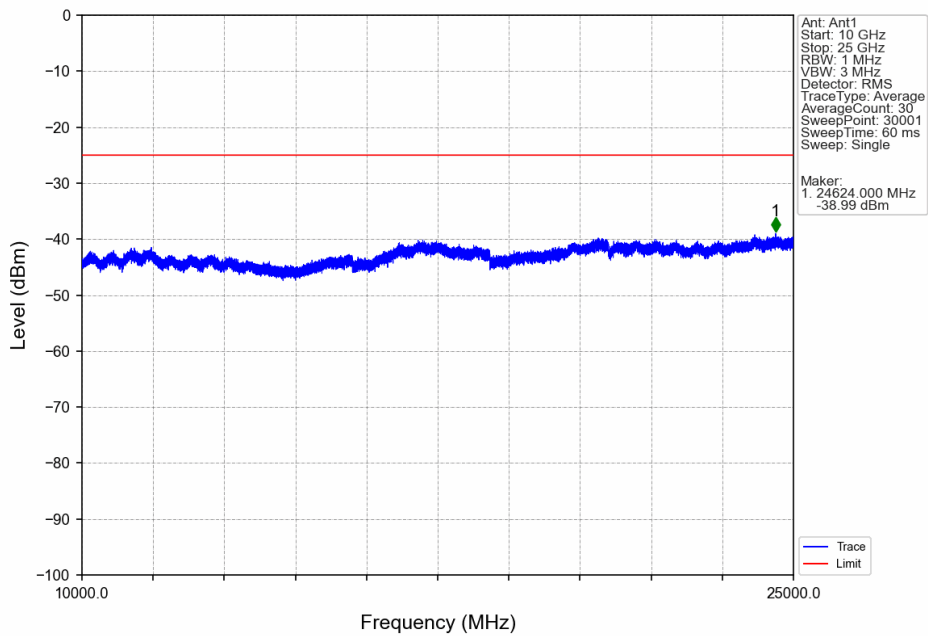


Test Report No.: RF260330B004

Band7_15MHz_16QAM_LCH_2507.5MHz_RB_1_0_NTNV



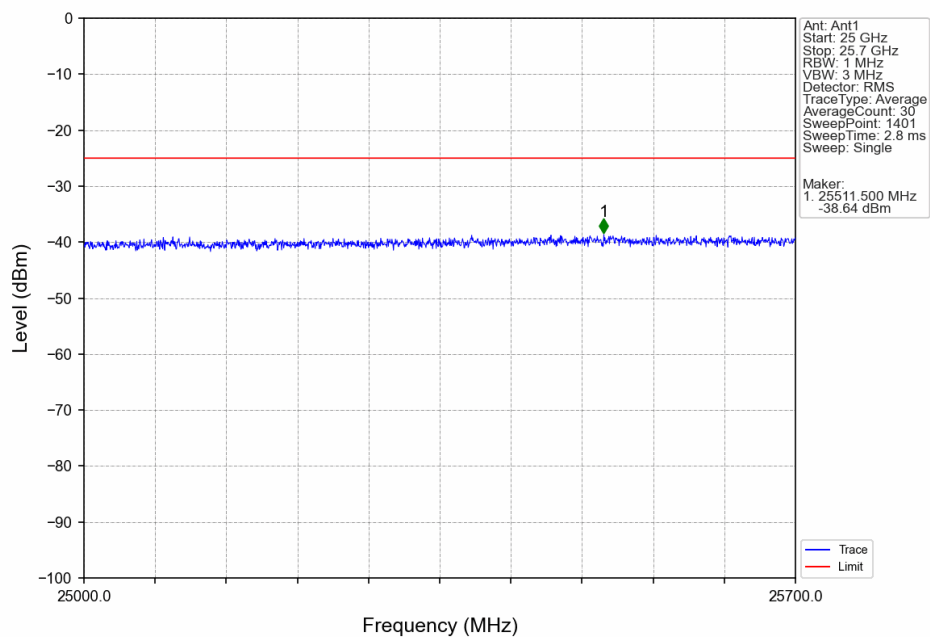
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_1_0_NTNV



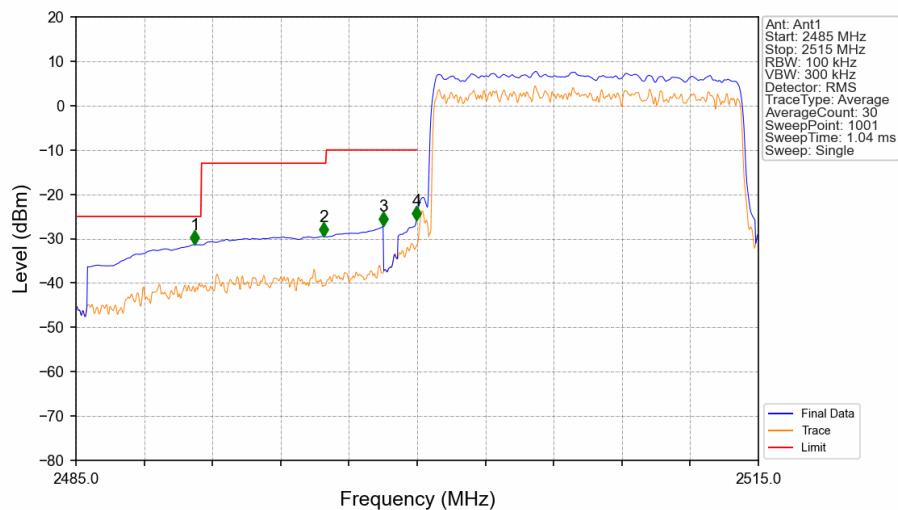


Test Report No.: RF260330B004

Band7_15MHz_16QAM_LCH_2507.5MHz_RB_1_0_NTNV



Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV

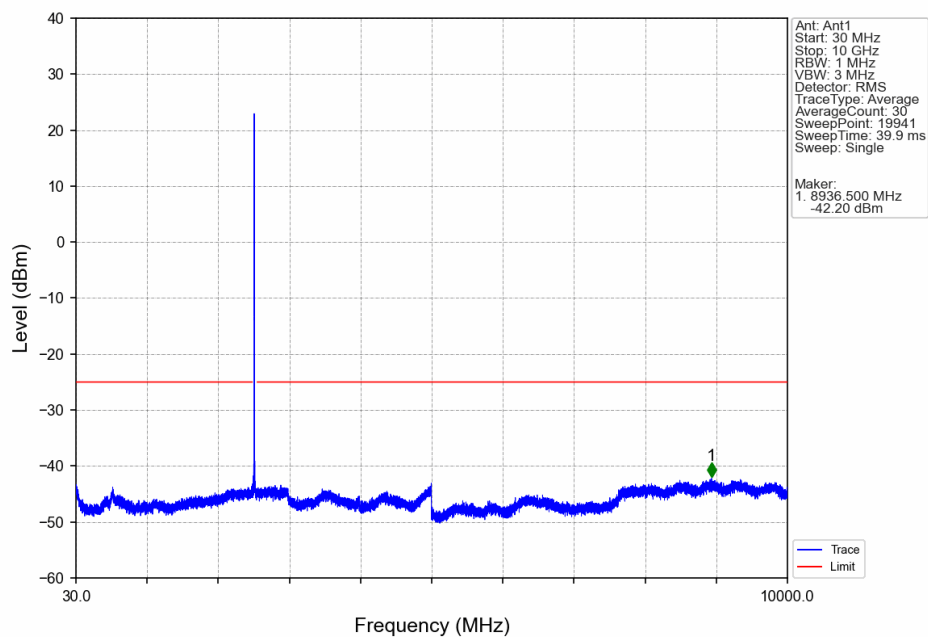


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.220	-31.31	-25	Pass
2490.5	2496	1	CHP	2	2495.890	-29.46	-13	Pass
2496	2499	1	CHP	3	2498.500	-27.13	-10	Pass
2499	2500	0.295	CHP	4	2499.970	-25.82	-10	Pass
2500	2515	0.295	CHP	/	/	/	/	/

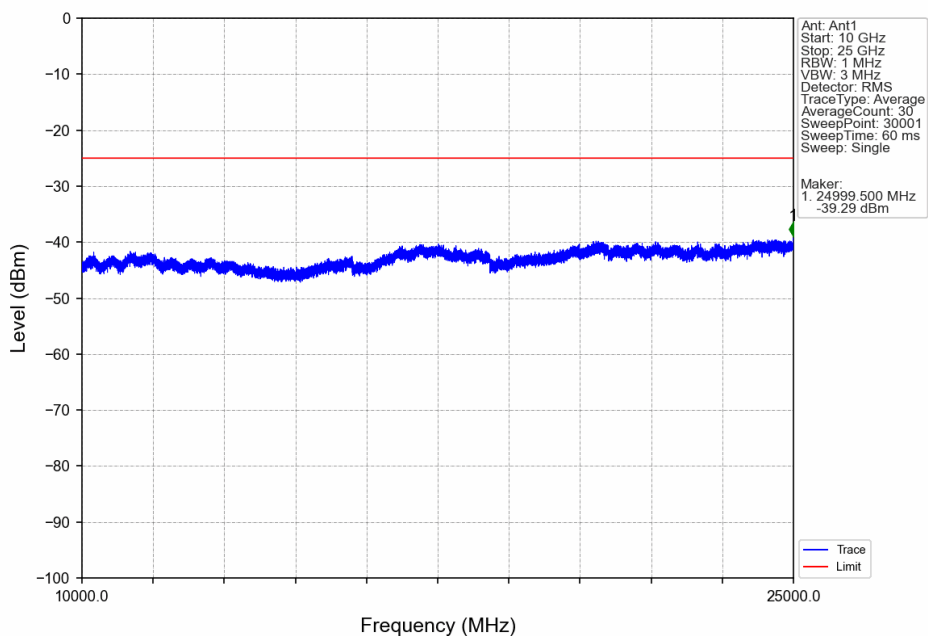


Test Report No.: RF260330B004

Band7_15MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



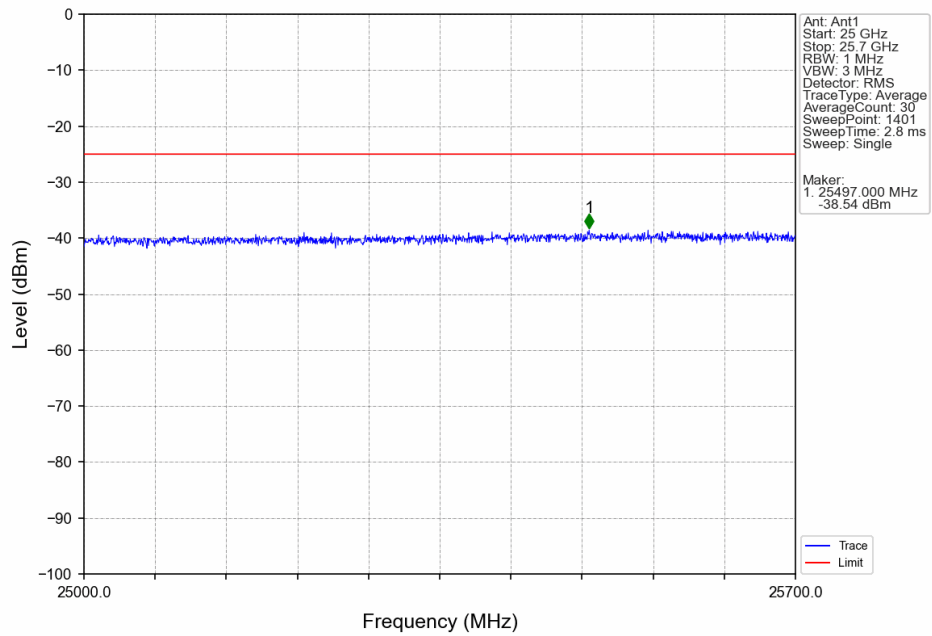
Band7_15MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



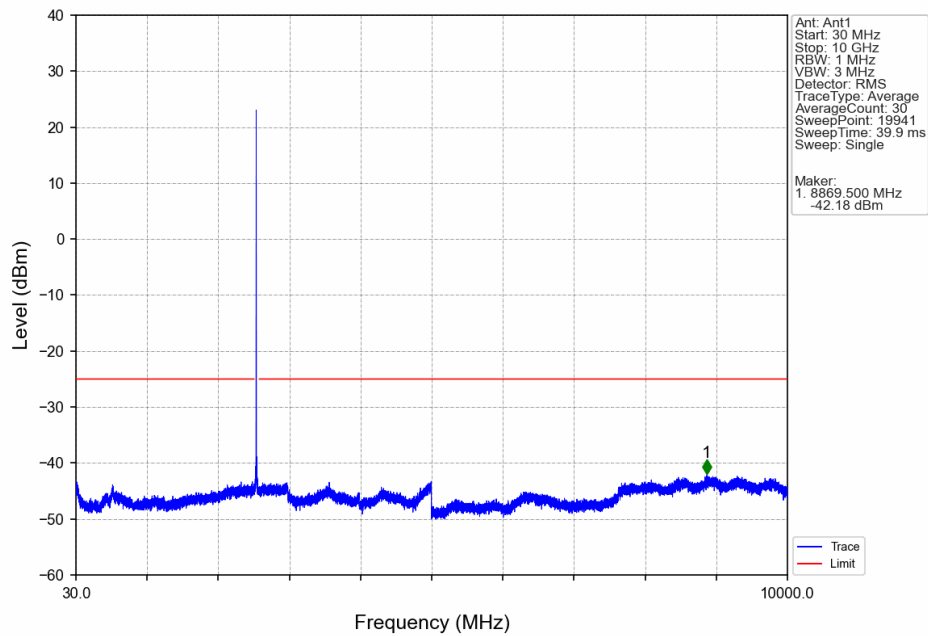


Test Report No.: RF260330B004

Band7_15MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV

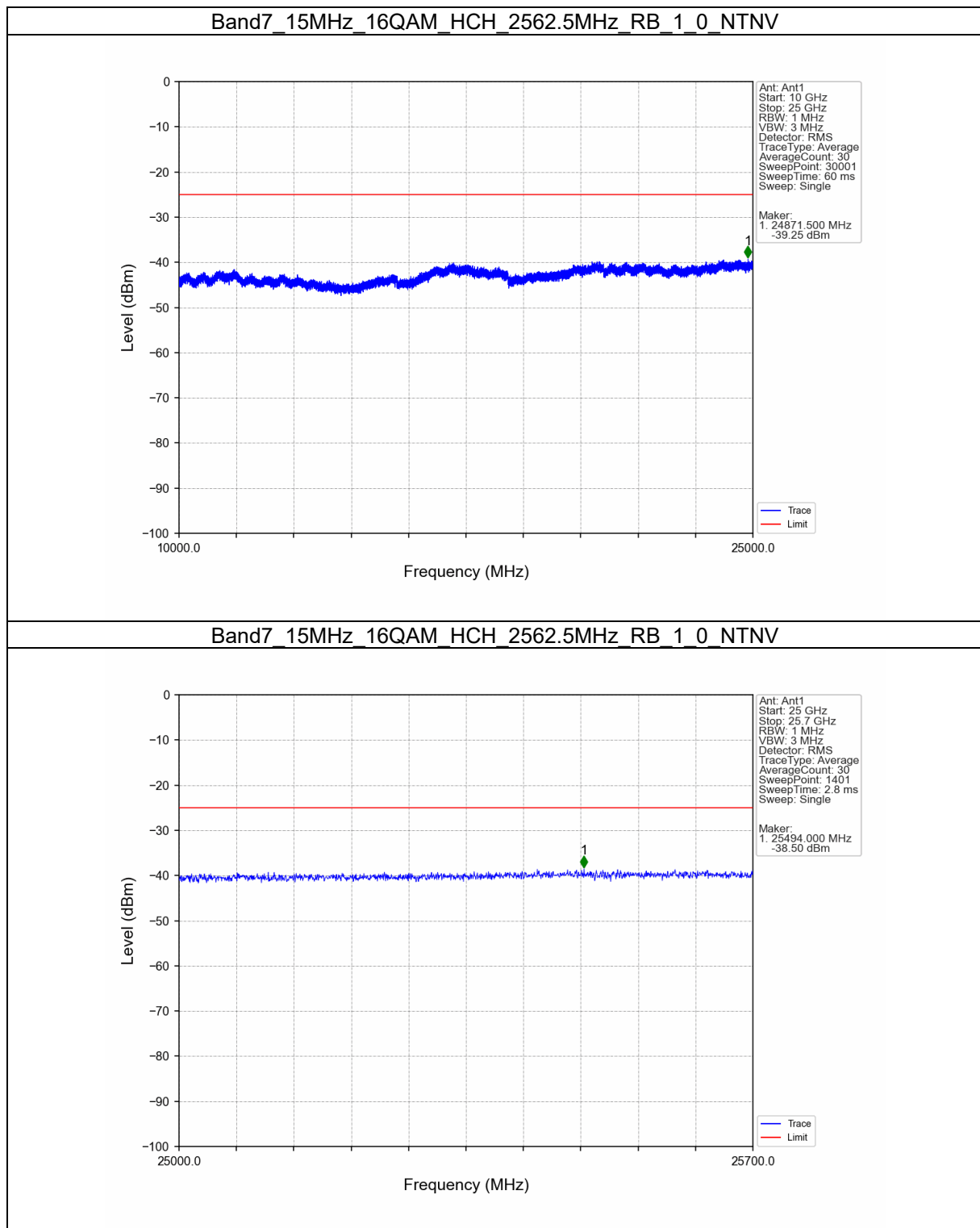


Band7_15MHz_16QAM_HCH_2562.5MHz_RB_1_0_NTNV





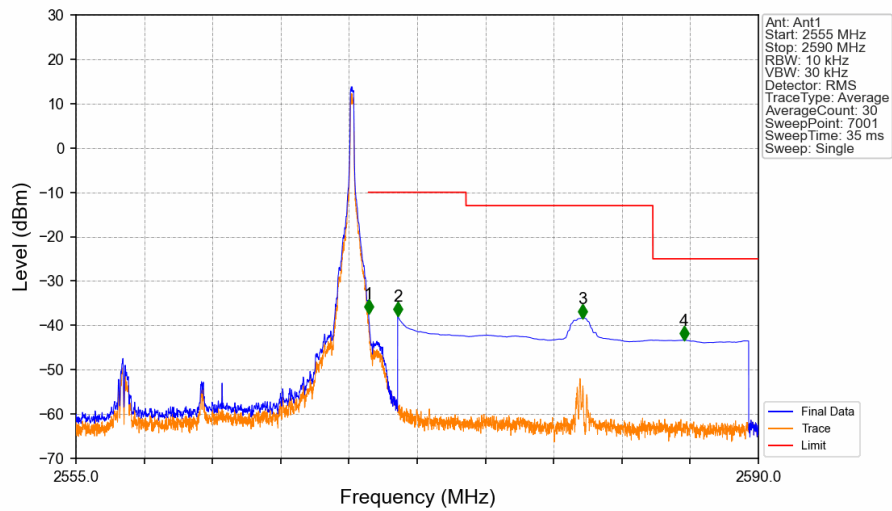
Test Report No.: RF260330B004





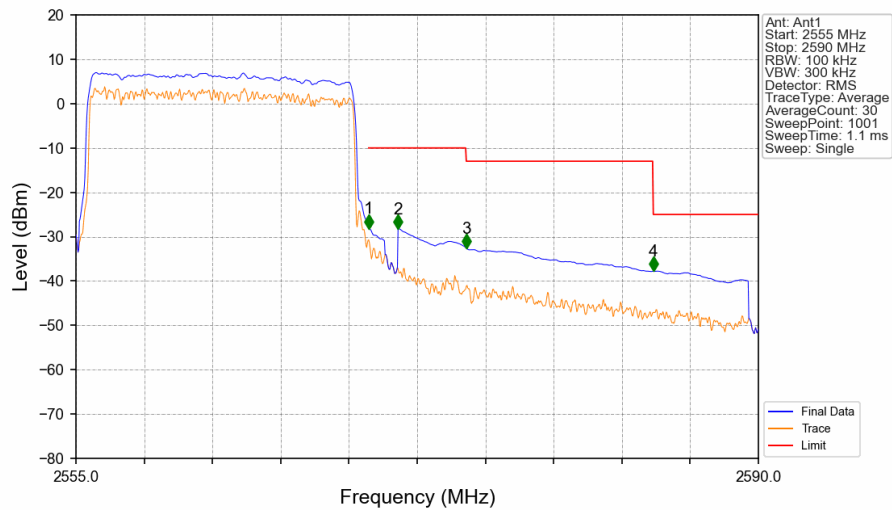
Test Report No.: RF260330B004

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	-37.37	-10	Pass
2571	2575	1	CHP	2	2571.500	-37.96	-10	Pass
2575	2584.585	1	CHP	3	2580.975	-38.38	-13	Pass
2584.585	2590	1	CHP	4	2586.195	-43.31	-25	Pass

Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV

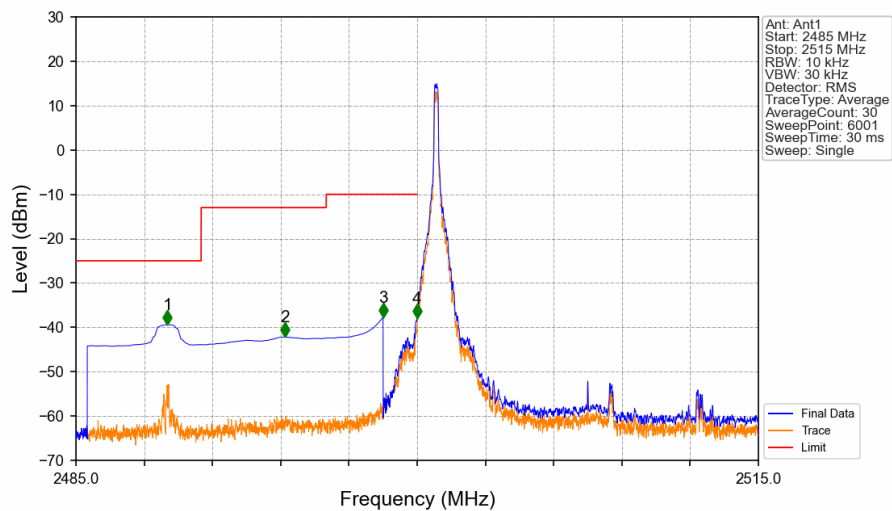


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.292	CHP	/	/	/	/	/
2570	2571	0.292	CHP	1	2570.015	-28.12	-10	Pass
2571	2575	1	CHP	2	2571.520	-28.14	-10	Pass
2575	2584.585	1	CHP	3	2575.020	-32.57	-13	Pass
2584.585	2590	1	CHP	4	2584.610	-37.77	-25	Pass



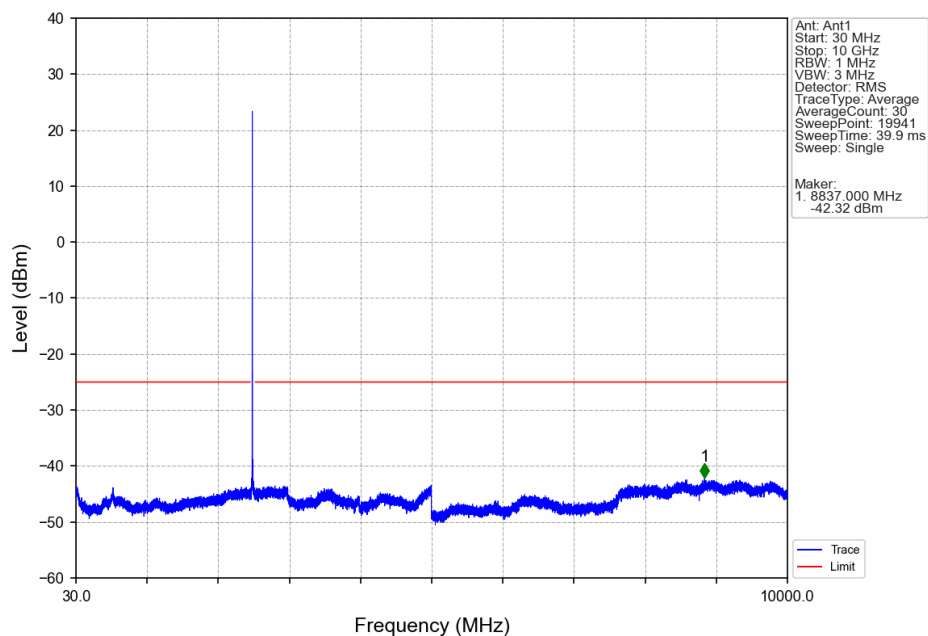
Test Report No.: RF260330B004

Band7_15MHz_64QAM_LCH_2507.5MHz_RB_1_0_NTNV



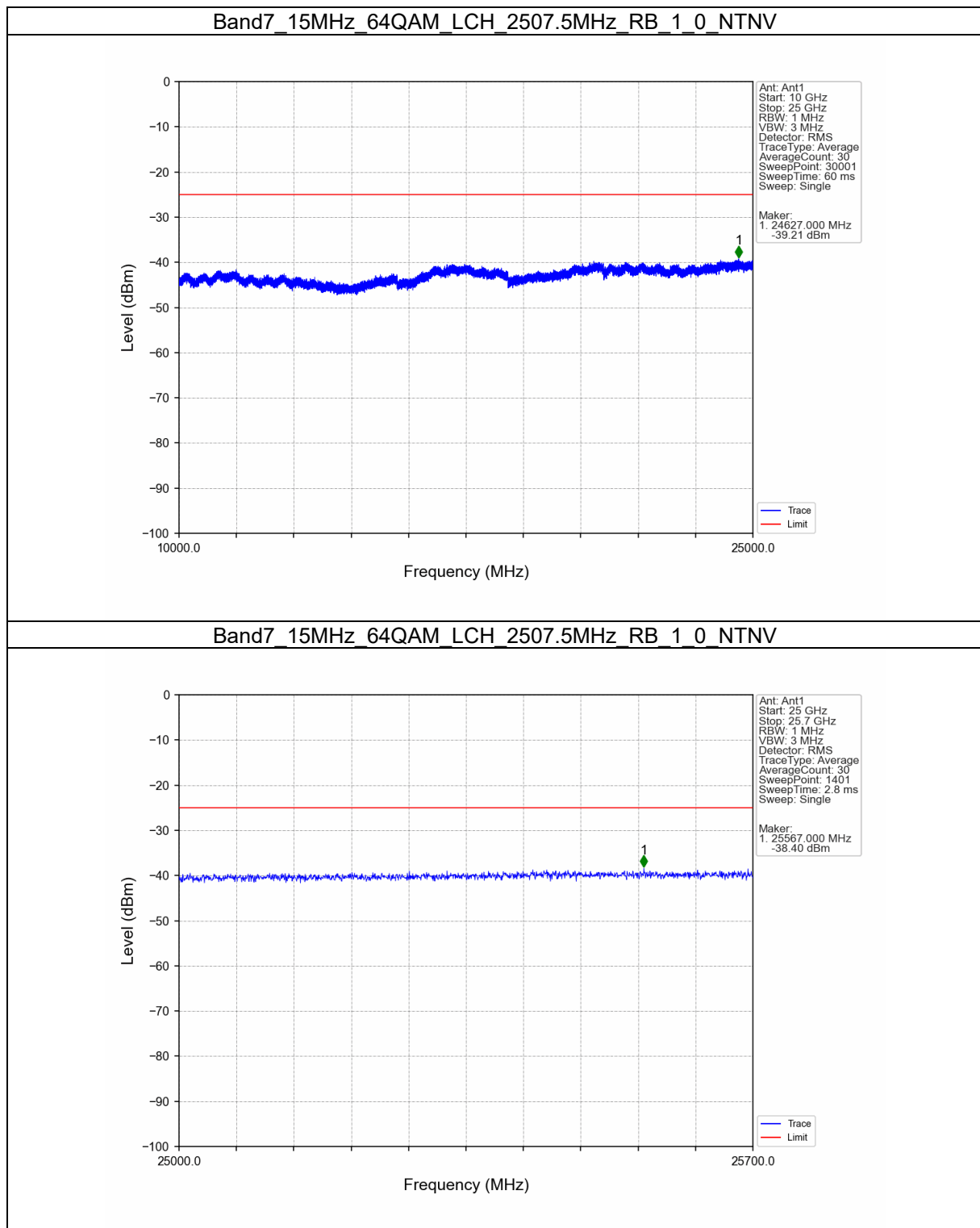
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.015	-39.39	-25	Pass
2490.5	2496	1	CHP	2	2494.200	-42.16	-13	Pass
2496	2499	1	CHP	3	2498.500	-37.67	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-37.83	-10	Pass
2500	2515	0.02	CHP	/	/	/	/	/

Band7_15MHz_64QAM_LCH_2507.5MHz_RB_1_0_NTNV





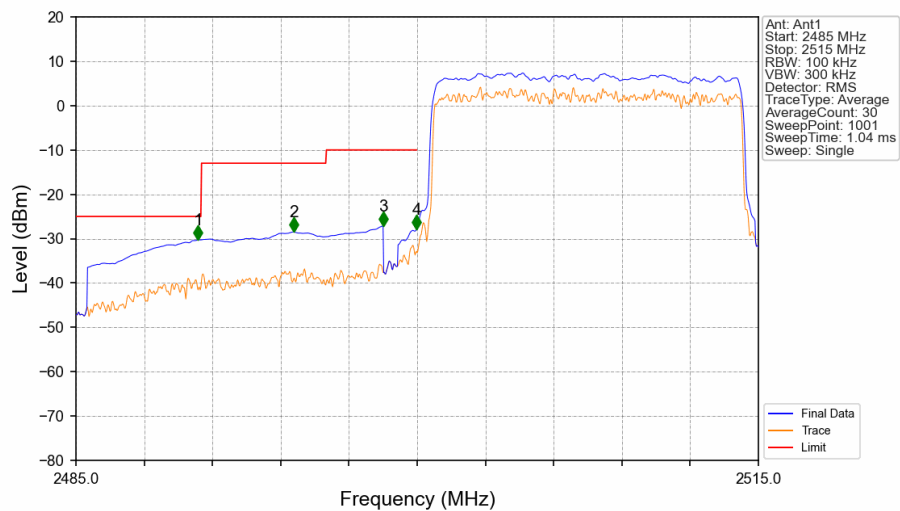
Test Report No.: RF260330B004





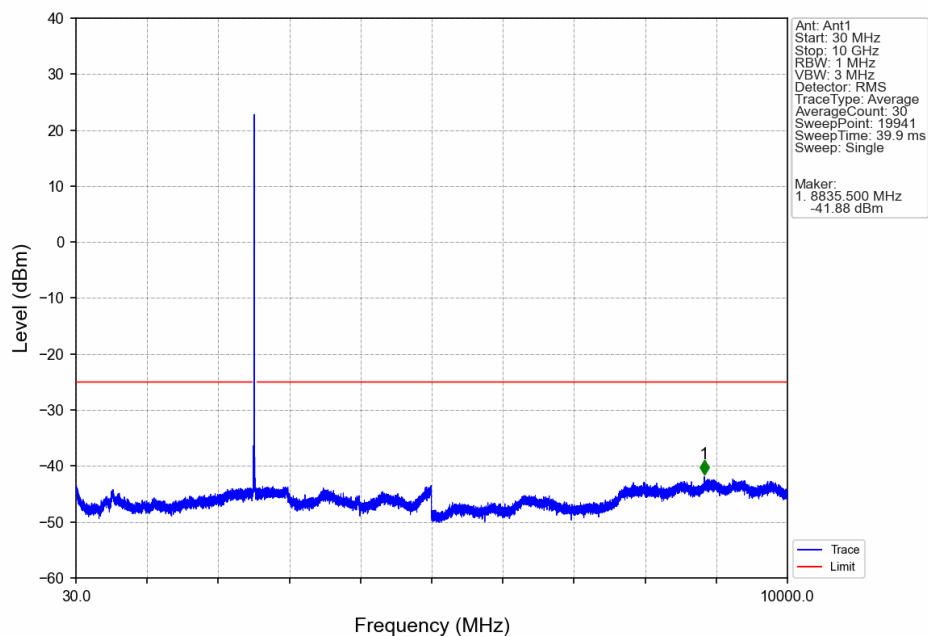
Test Report No.: RF260330B004

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	2490.370	-30.21	-25	Pass
2490.5	2496	1	CHP	2	2494.570	-28.47	-13	Pass
2496	2499	1	CHP	3	2498.500	-27.10	-10	Pass
2499	2500	0.289	CHP	4	2499.970	-27.91	-10	Pass
2500	2515	0.289	CHP	/	/	/	/	/

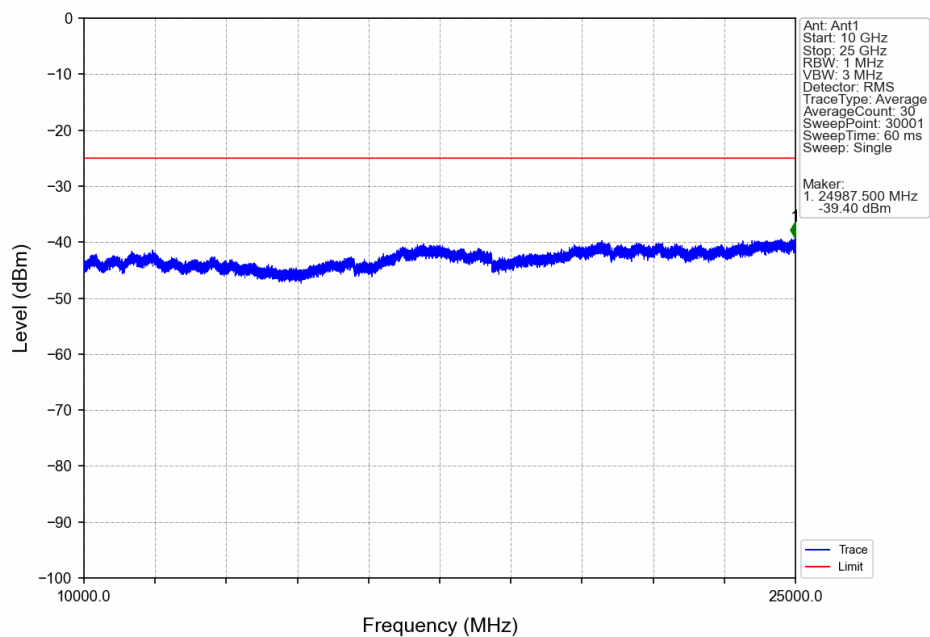
Band7_15MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



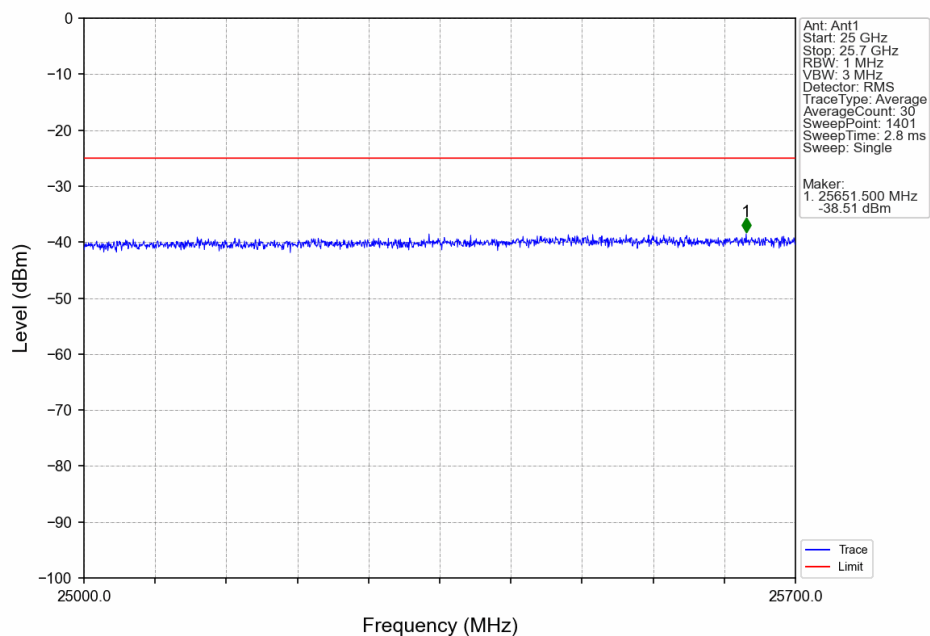


Test Report No.: RF260330B004

Band7_15MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



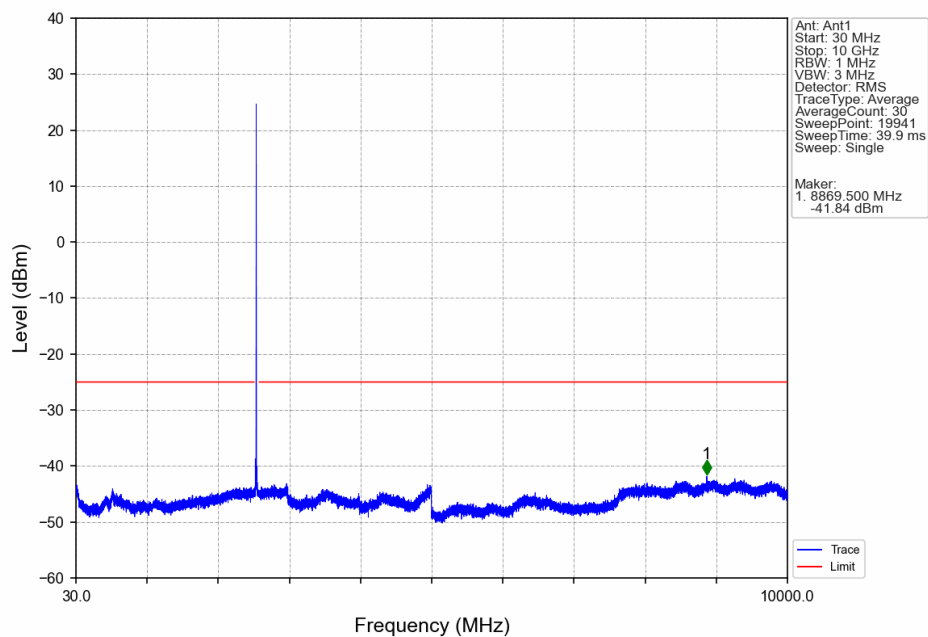
Band7_15MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



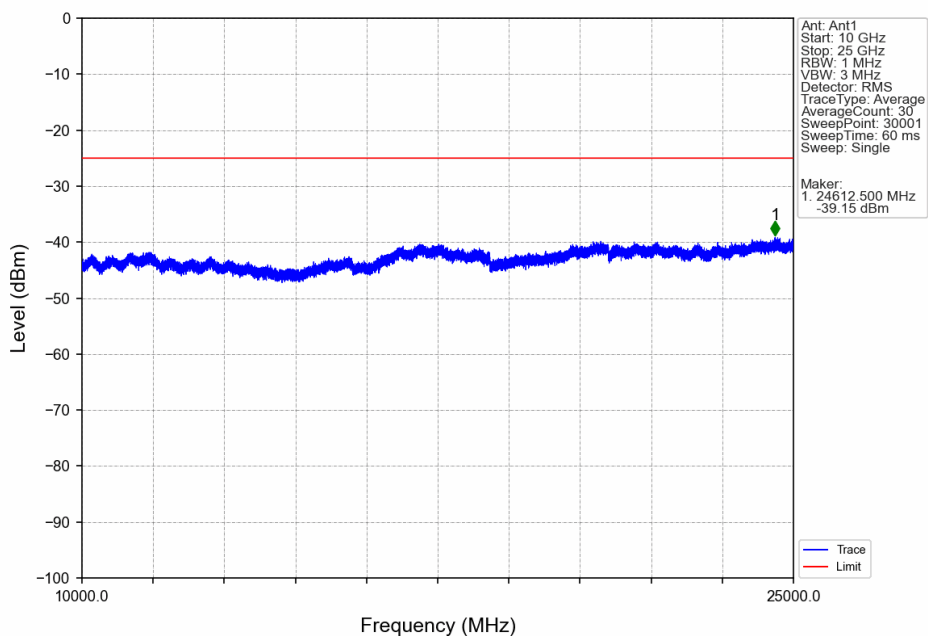


Test Report No.: RF260330B004

Band7_15MHz_64QAM_HCH_2562.5MHz_RB_1_0_NTNV



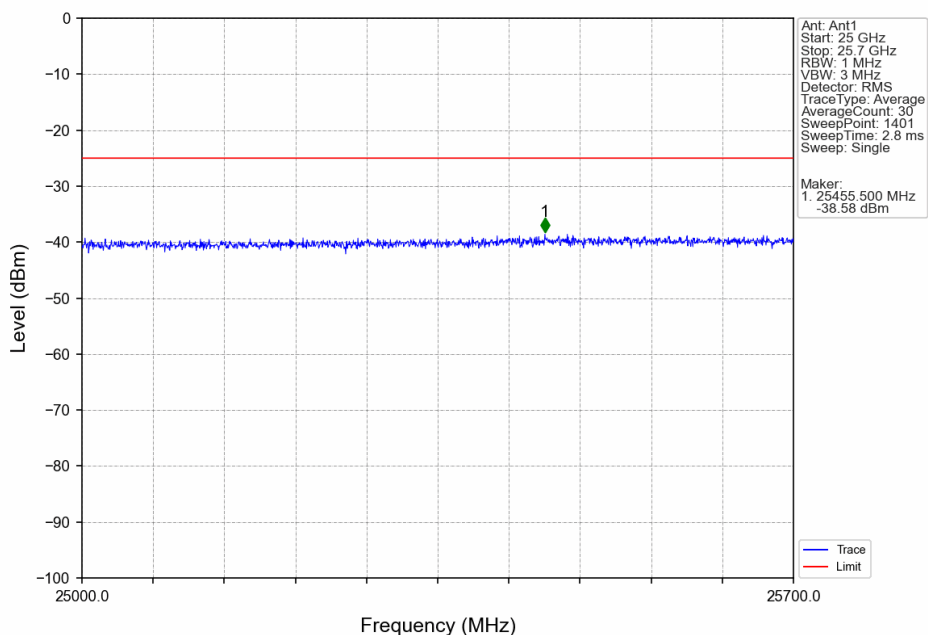
Band7_15MHz_64QAM_HCH_2562.5MHz_RB_1_0_NTNV



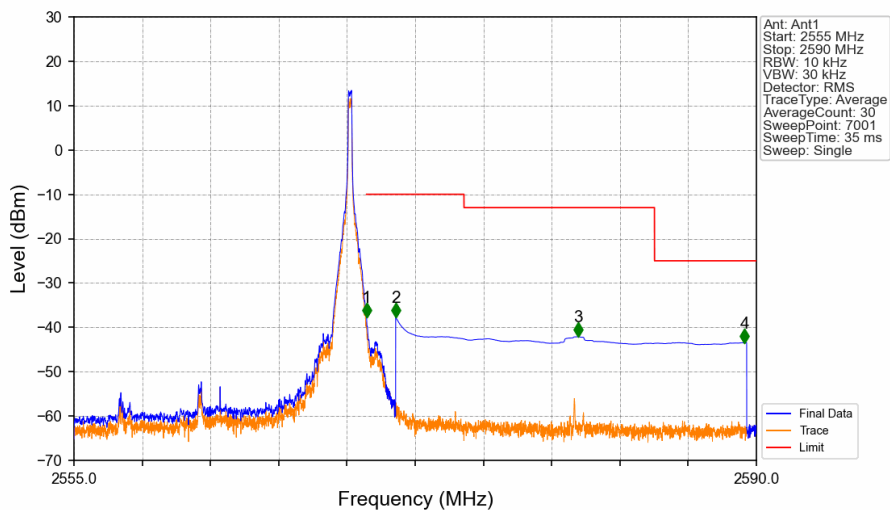


Test Report No.: RF260330B004

Band7_15MHz_64QAM_HCH_2562.5MHz_RB_1_0_NTNV



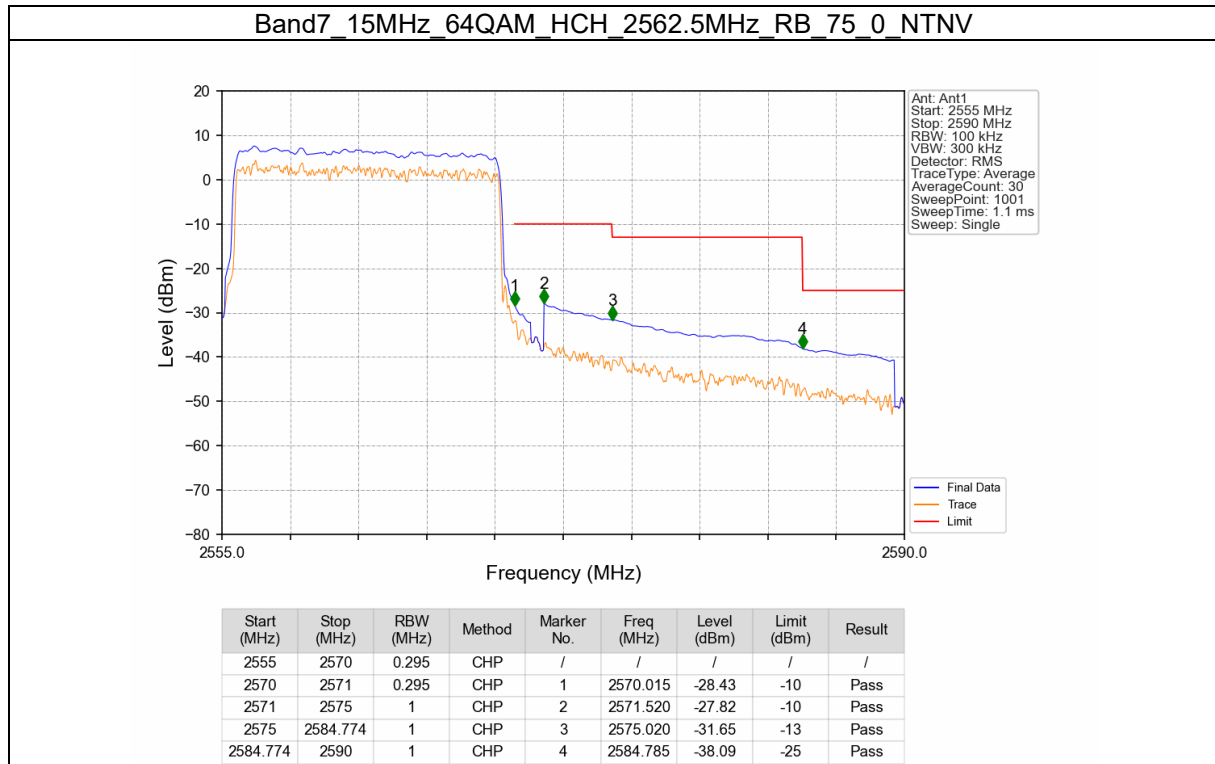
Band7_15MHz_64QAM_HCH_2562.5MHz_RB_1_74_NTNV



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	-37.75	-10	Pass
2571	2575	1	CHP	2	2571.500	-37.73	-10	Pass
2575	2584.774	1	CHP	3	2580.860	-42.10	-13	Pass
2584.774	2590	1	CHP	4	2589.390	-43.45	-25	Pass



Test Report No.: RF260330B004

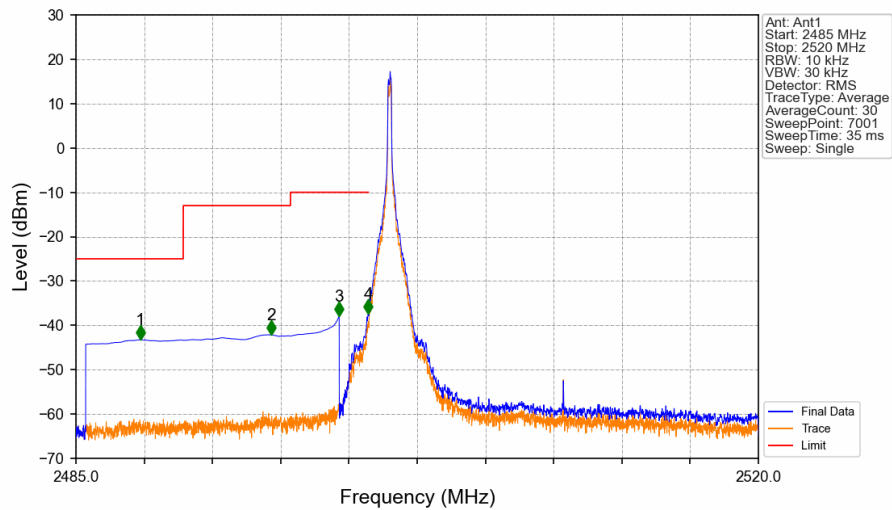




Test Report No.: RF260330B004

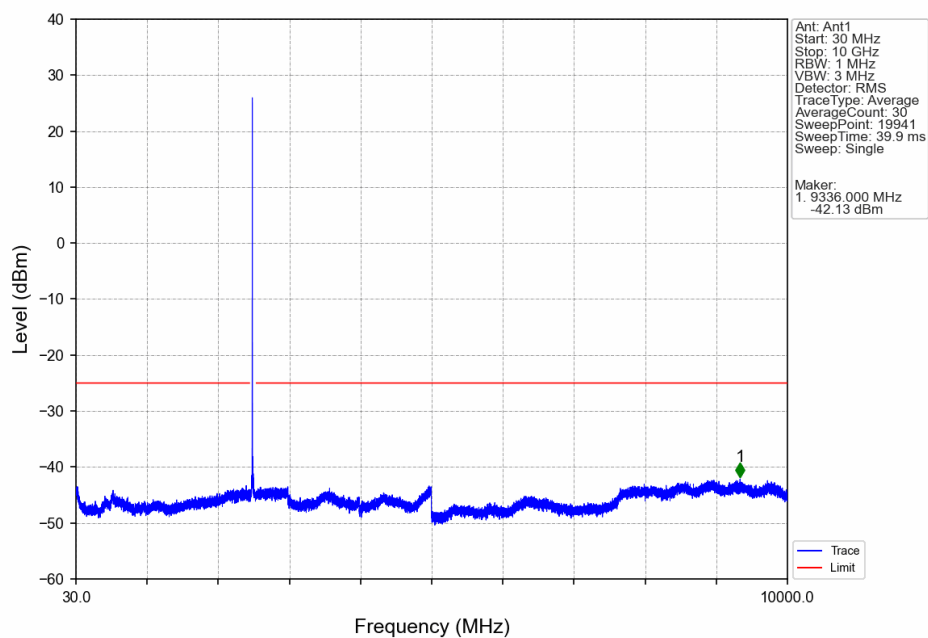
20MHz

Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



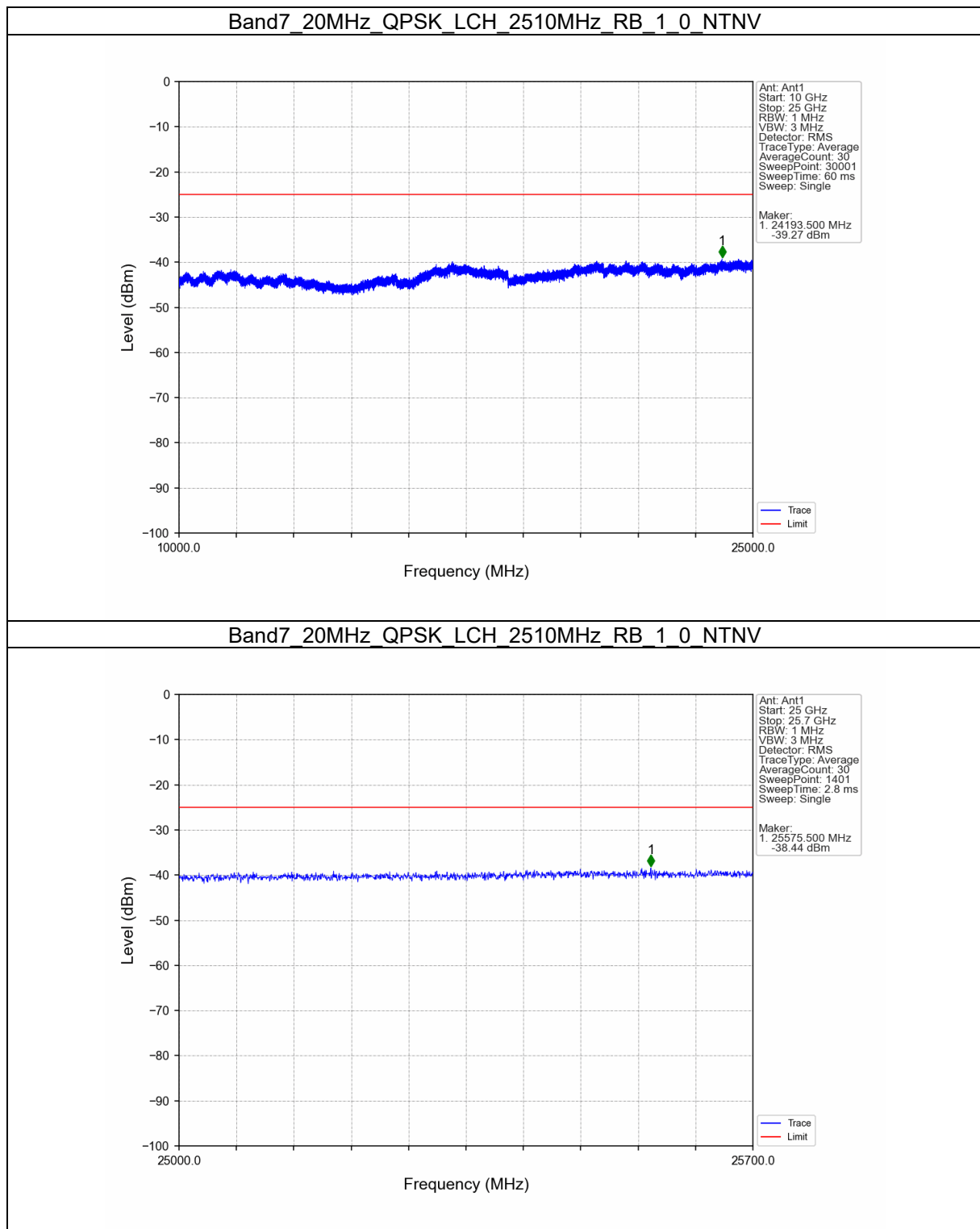
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.295	-43.24	-25	Pass
2490.5	2496	1	CHP	2	2495.015	-42.10	-13	Pass
2496	2499	1	CHP	3	2498.500	-37.87	-10	Pass
2499	2500	0.02	CHP	4	2499.985	-37.26	-10	Pass
2500	2520	0.02	CHP	/	/	/	/	/

Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV





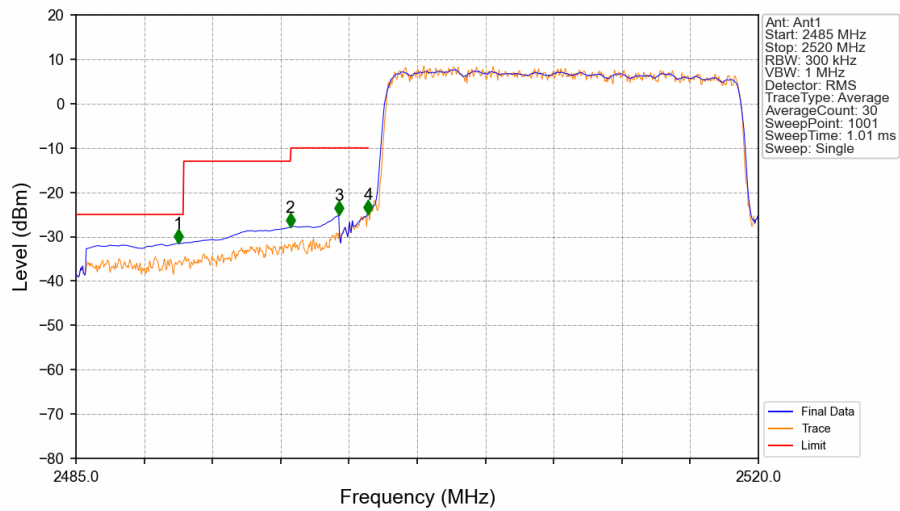
Test Report No.: RF260330B004





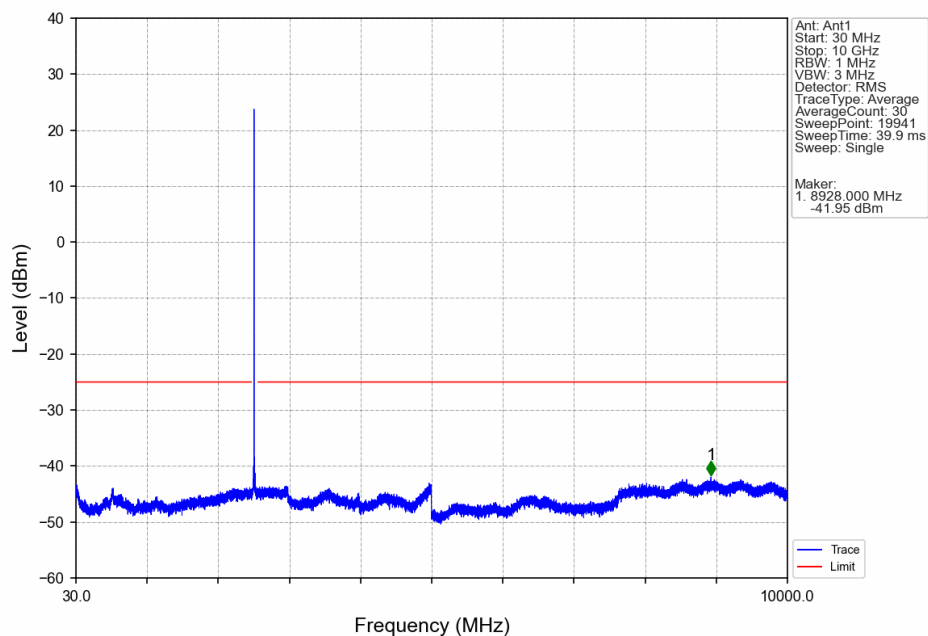
Test Report No.: RF260330B004

Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



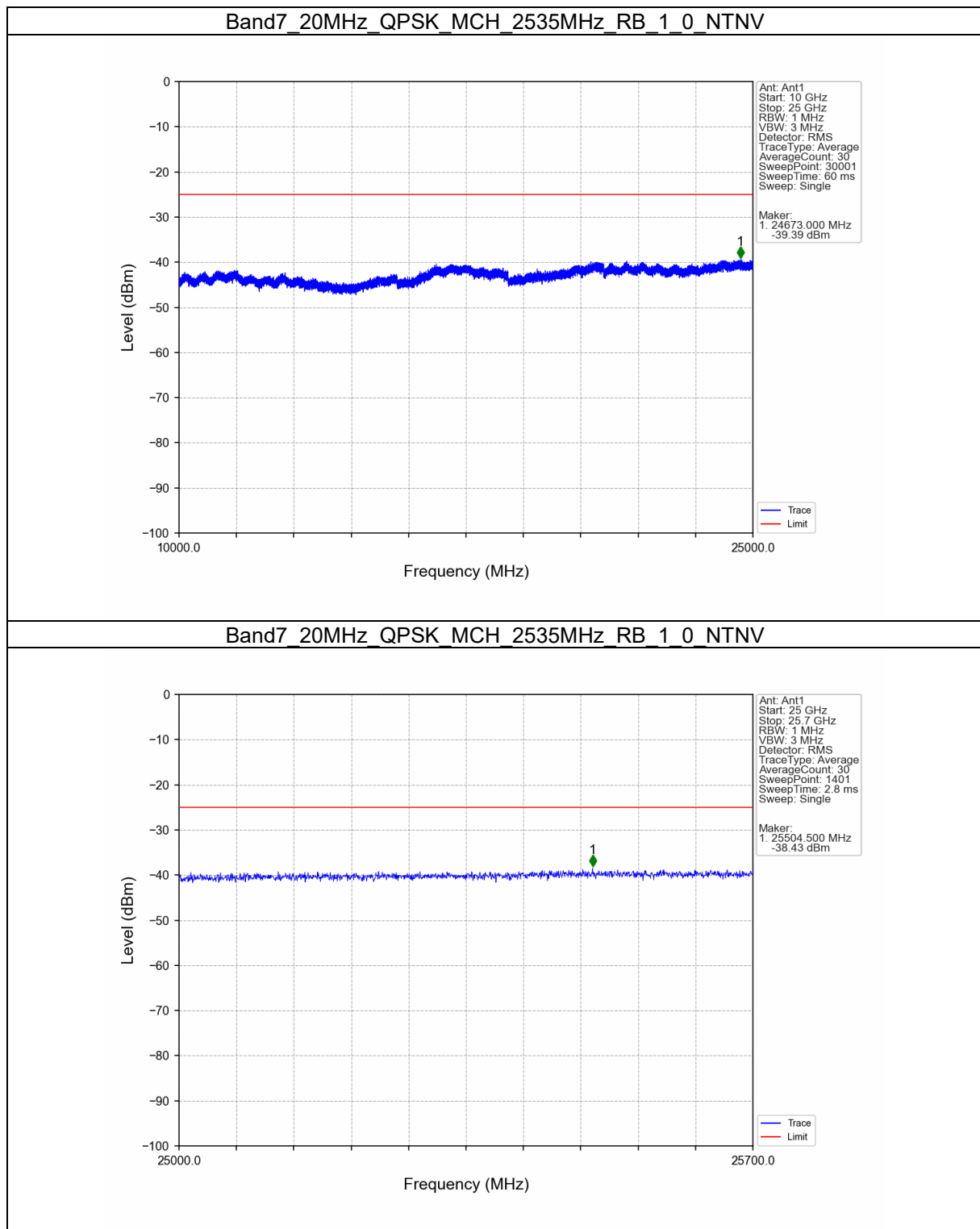
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.250	-31.48	-25	Pass
2490.5	2496	1	CHP	2	2495.990	-27.90	-13	Pass
2496	2499	1	CHP	3	2498.475	-25.16	-10	Pass
2499	2500	0.391	CHP	4	2499.980	-24.91	-10	Pass
2500	2520	0.391	CHP	/	/	/	/	/

Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV





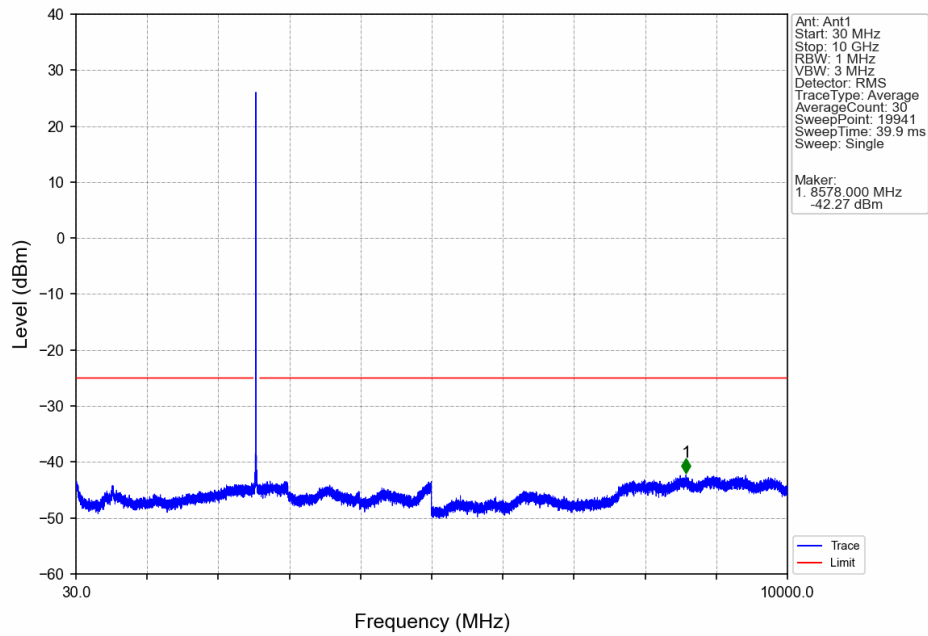
Test Report No.: RF260330B004



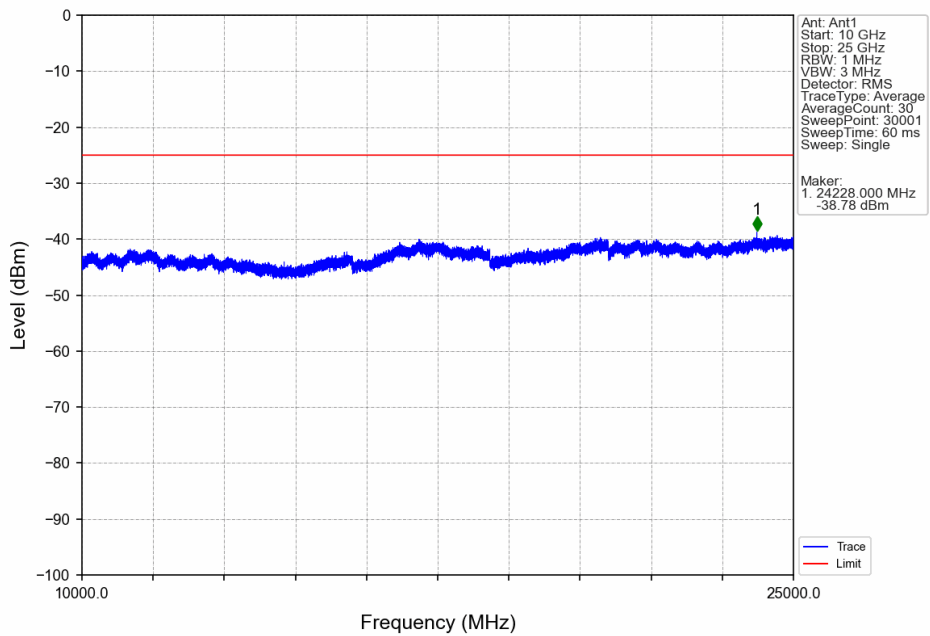


Test Report No.: RF260330B004

Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



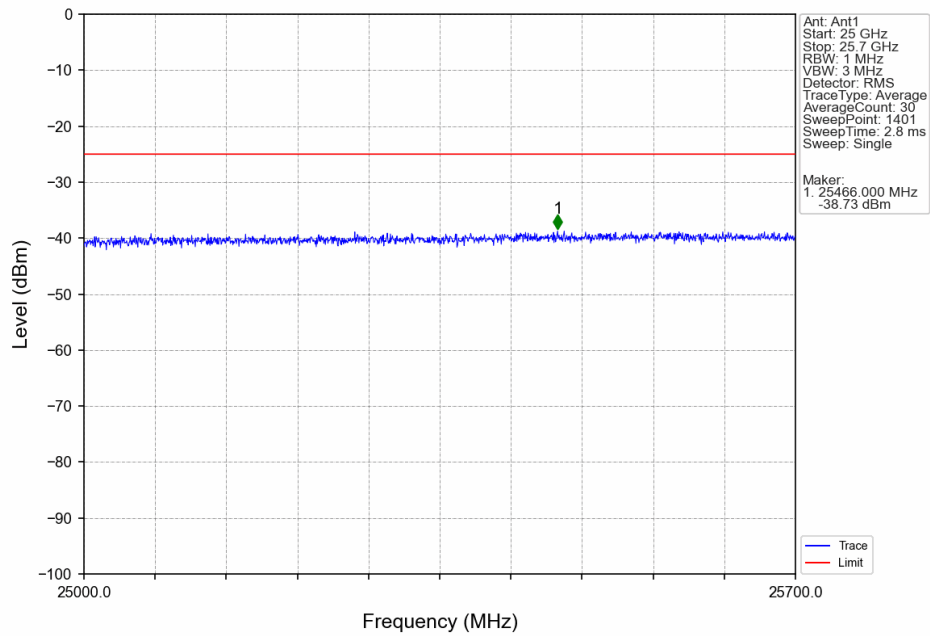
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



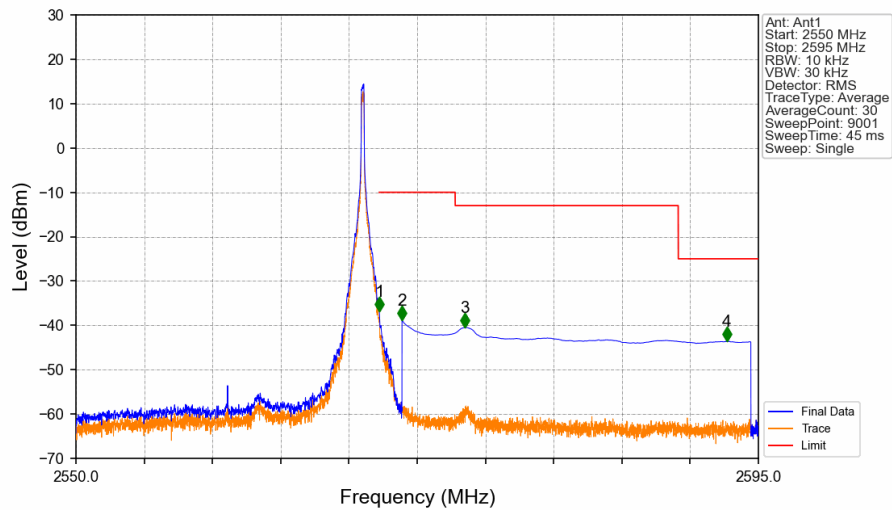


Test Report No.: RF260330B004

Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV

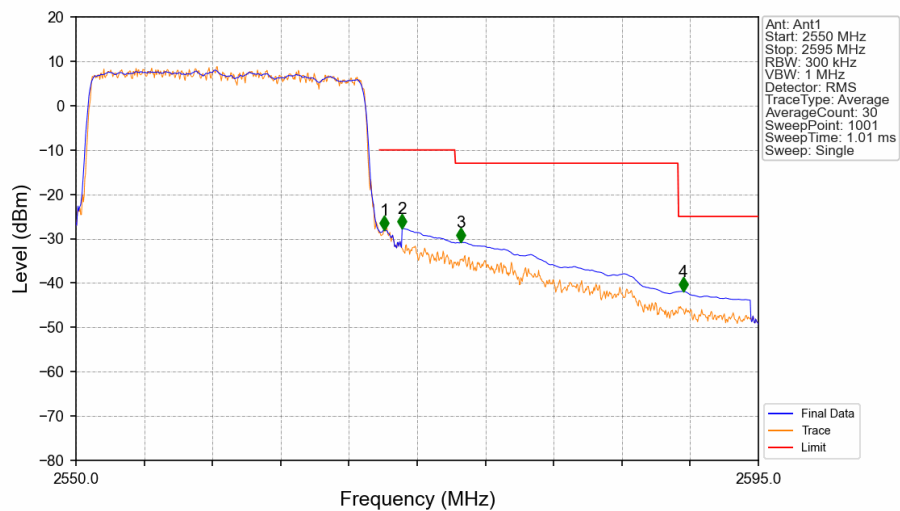


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-36.78	-10	Pass
2571	2575	1	CHP	2	2571.500	-38.78	-10	Pass
2575	2589.712	1	CHP	3	2575.650	-40.49	-13	Pass
2589.712	2595	1	CHP	4	2592.925	-43.60	-25	Pass



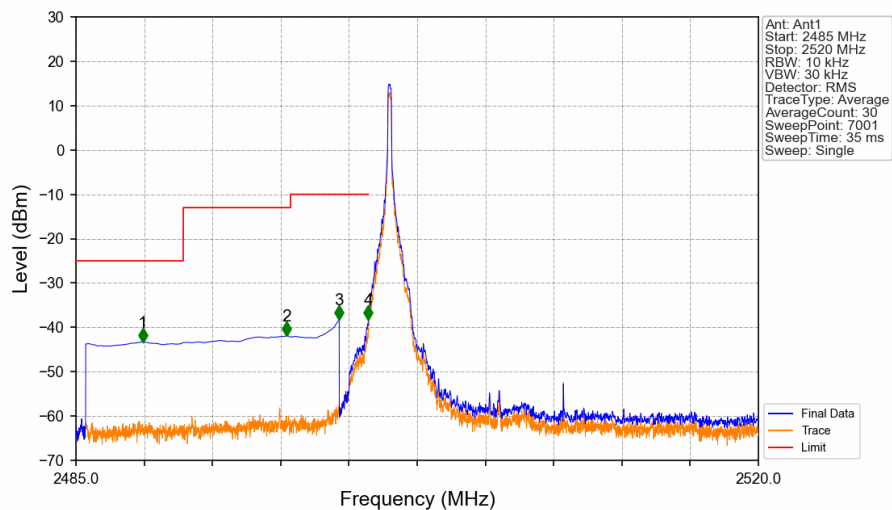
Test Report No.: RF260330B004

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	0.394	CHP	/	/	/	/	/
2570	2571	0.394	CHP	1	2570.340	-28.07	-10	Pass
2571	2575	1	CHP	2	2571.510	-27.67	-10	Pass
2575	2589.712	1	CHP	3	2575.380	-30.82	-13	Pass
2589.712	2595	1	CHP	4	2590.050	-41.85	-25	Pass

Band7_20MHz_16QAM_LCH_2510MHz_RB_1_0_NTNV

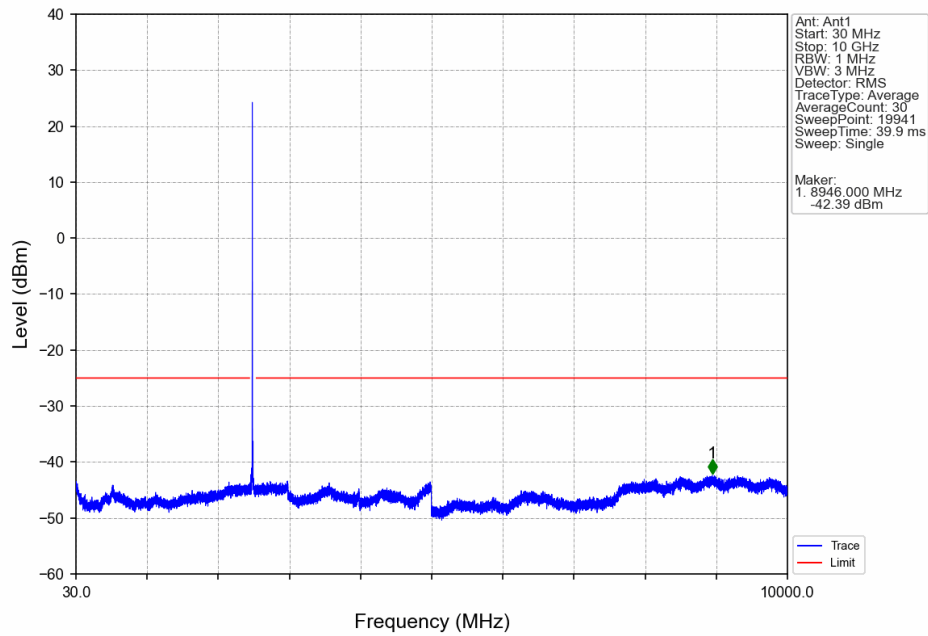


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.420	-43.28	-25	Pass
2490.5	2496	1	CHP	2	2495.790	-41.95	-13	Pass
2496	2499	1	CHP	3	2498.500	-38.28	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-38.27	-10	Pass
2500	2520	0.02	CHP	/	/	/	/	/

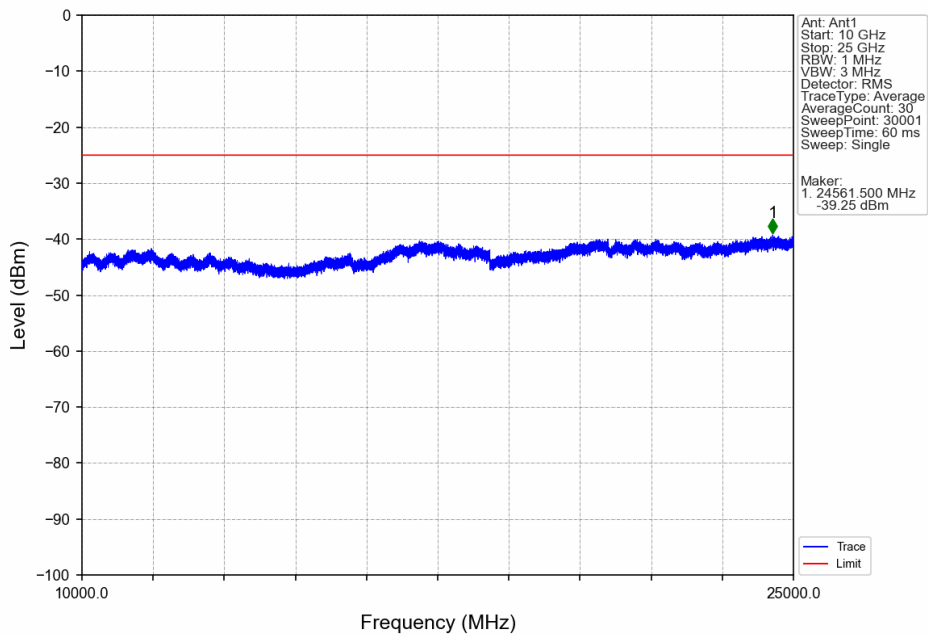


Test Report No.: RF260330B004

Band7_20MHz_16QAM_LCH_2510MHz_RB_1_0_NTNV



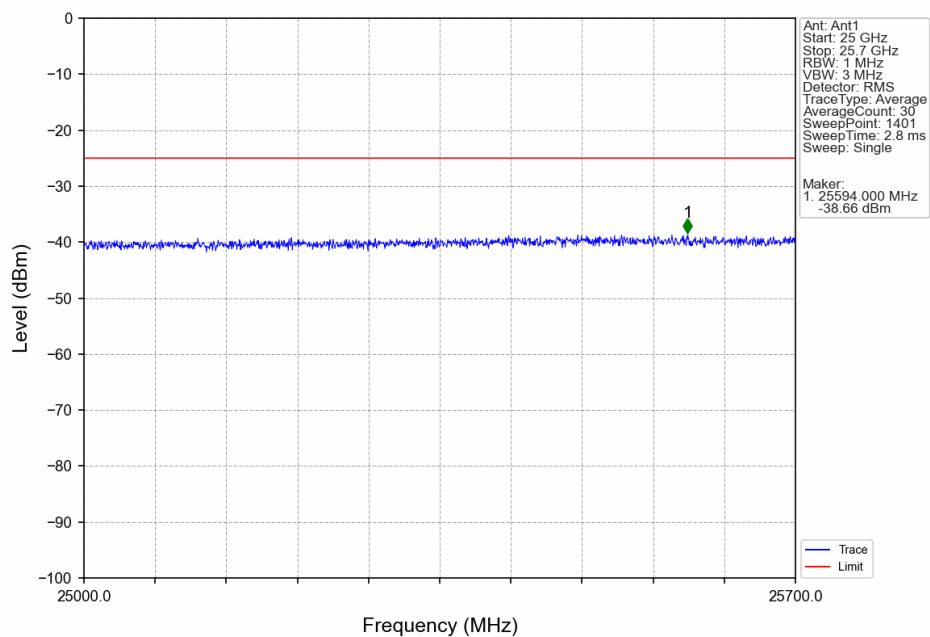
Band7_20MHz_16QAM_LCH_2510MHz_RB_1_0_NTNV



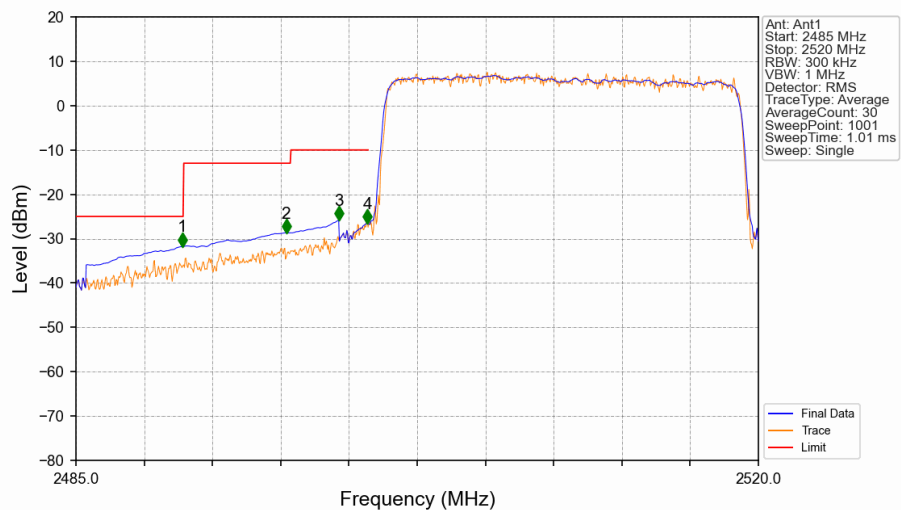


Test Report No.: RF260330B004

Band7_20MHz_16QAM_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV

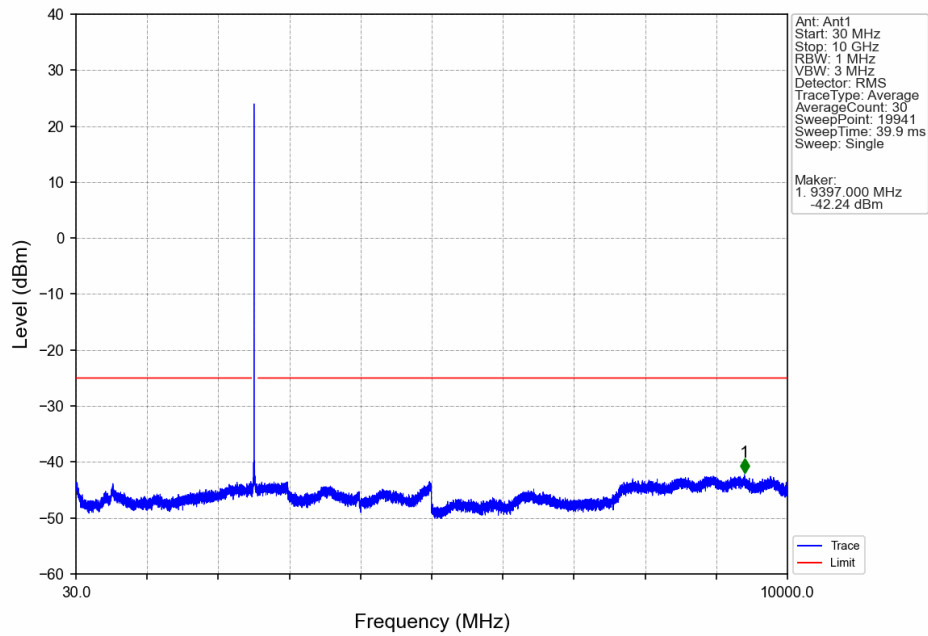


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.460	-31.77	-25	Pass
2490.5	2496	1	CHP	2	2495.780	-28.68	-13	Pass
2496	2499	1	CHP	3	2498.475	-25.91	-10	Pass
2499	2500	0.393	CHP	4	2499.945	-26.49	-10	Pass
2500	2520	0.393	CHP	/	/	/	/	/

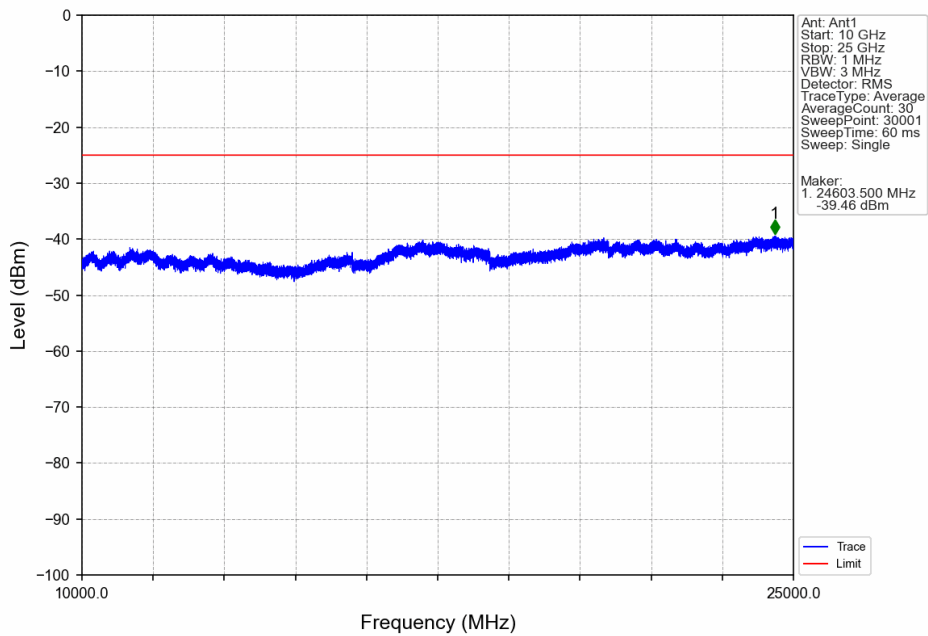


Test Report No.: RF260330B004

Band7_20MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



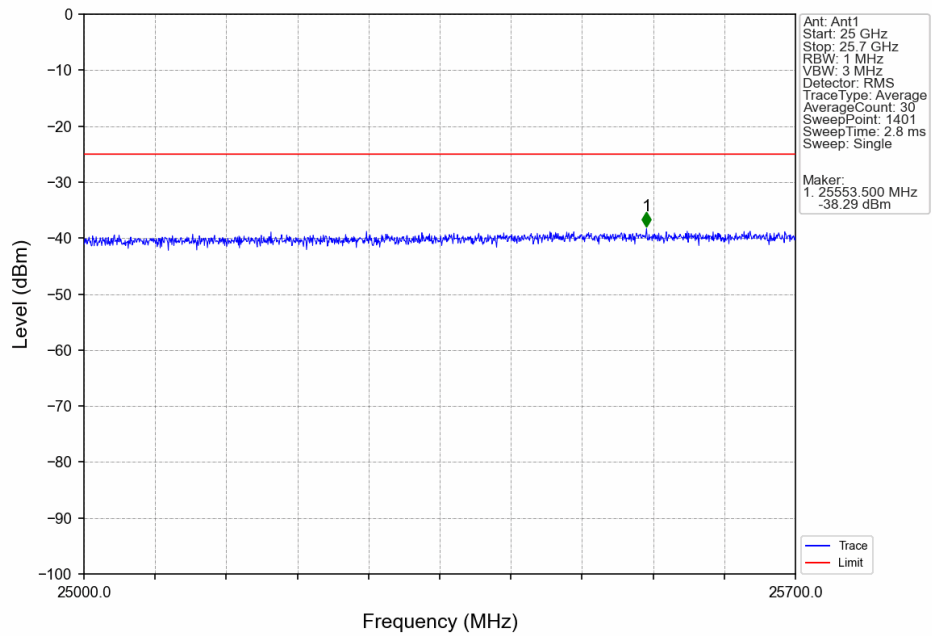
Band7_20MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



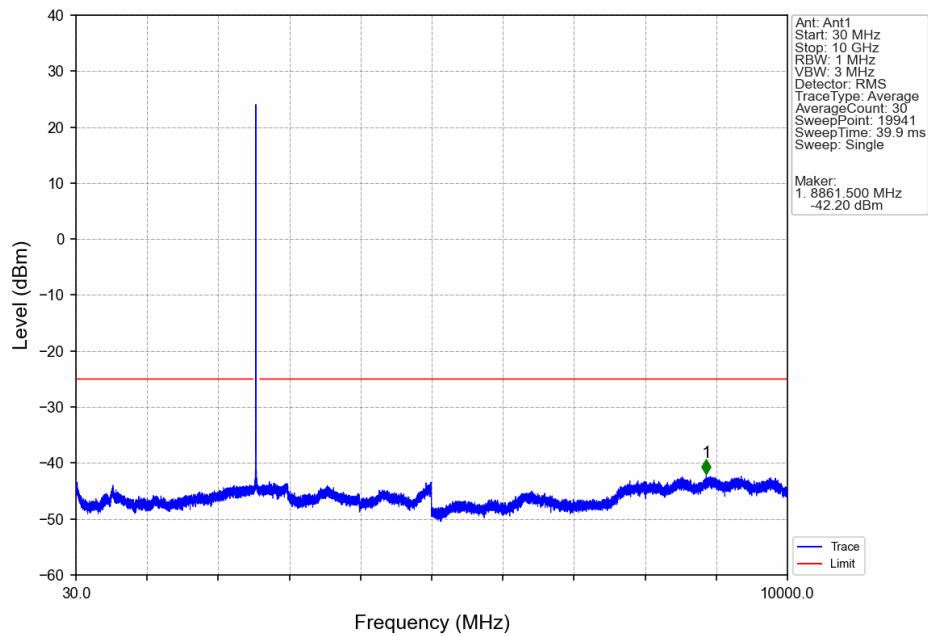


Test Report No.: RF260330B004

Band7_20MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



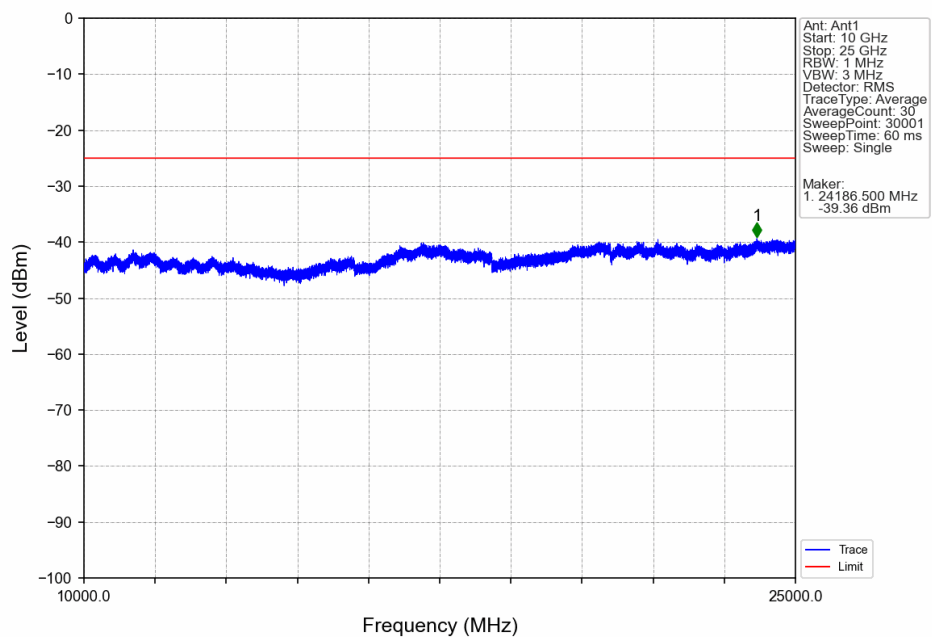
Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV



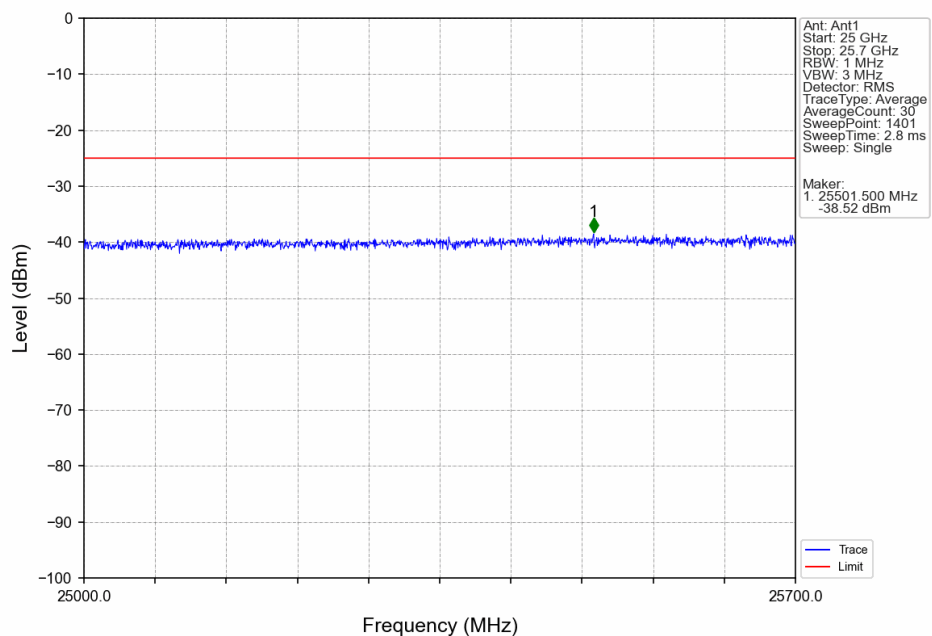


Test Report No.: RF260330B004

Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV



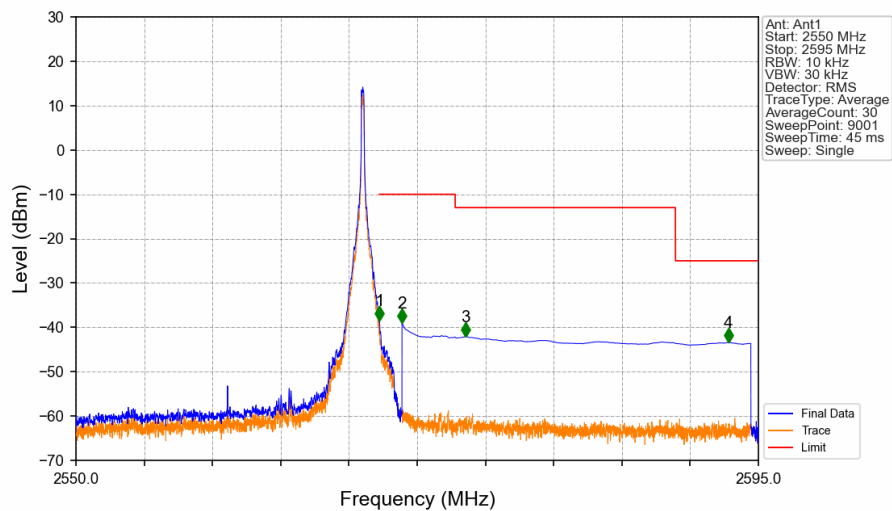
Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV





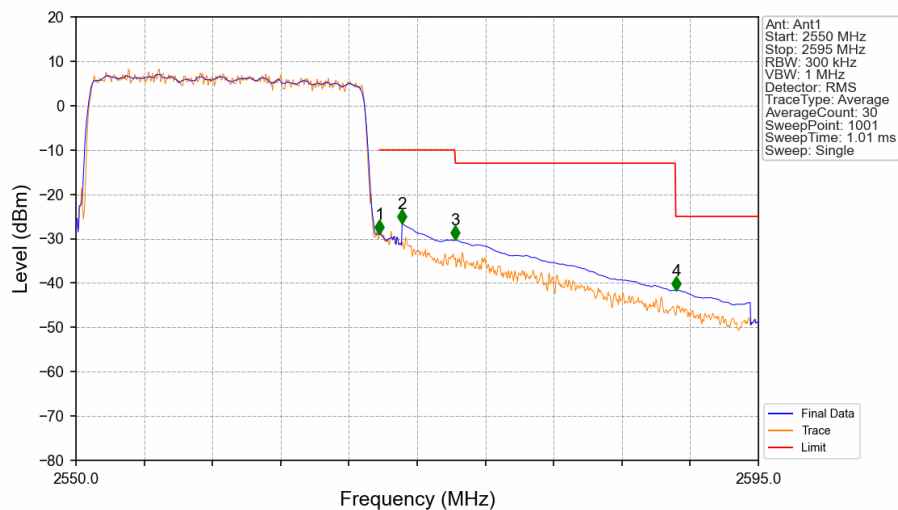
Test Report No.: RF260330B004

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	2570.015	-38.48	-10	Pass
2571	2575	1	CHP	2	2571.500	-39.01	-10	Pass
2575	2589.528	1	CHP	3	2575.680	-42.02	-13	Pass
2589.528	2595	1	CHP	4	2593.010	-43.40	-25	Pass

Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV

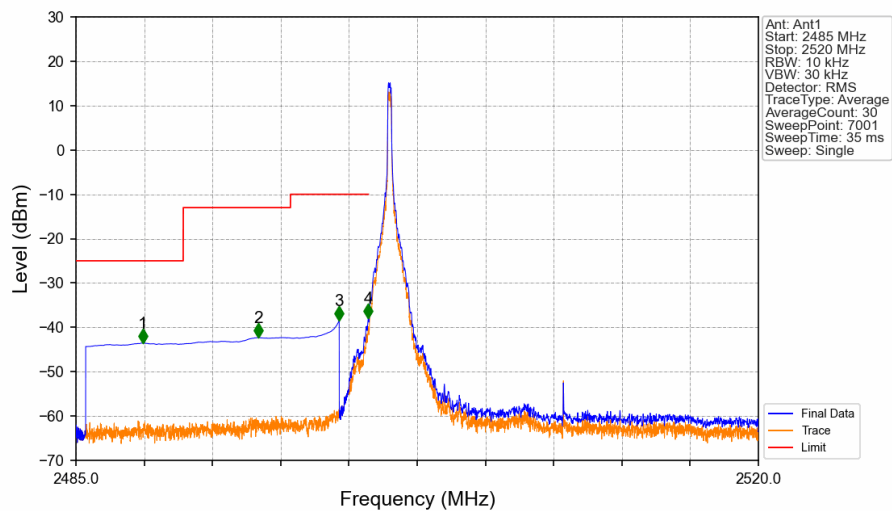


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.391	CHP	/	/	/	/	/
2570	2571	0.391	CHP	1	2570.025	-29.00	-10	Pass
2571	2575	1	CHP	2	2571.510	-26.65	-10	Pass
2575	2589.528	1	CHP	3	2575.020	-30.28	-13	Pass
2589.528	2595	1	CHP	4	2589.600	-41.62	-25	Pass



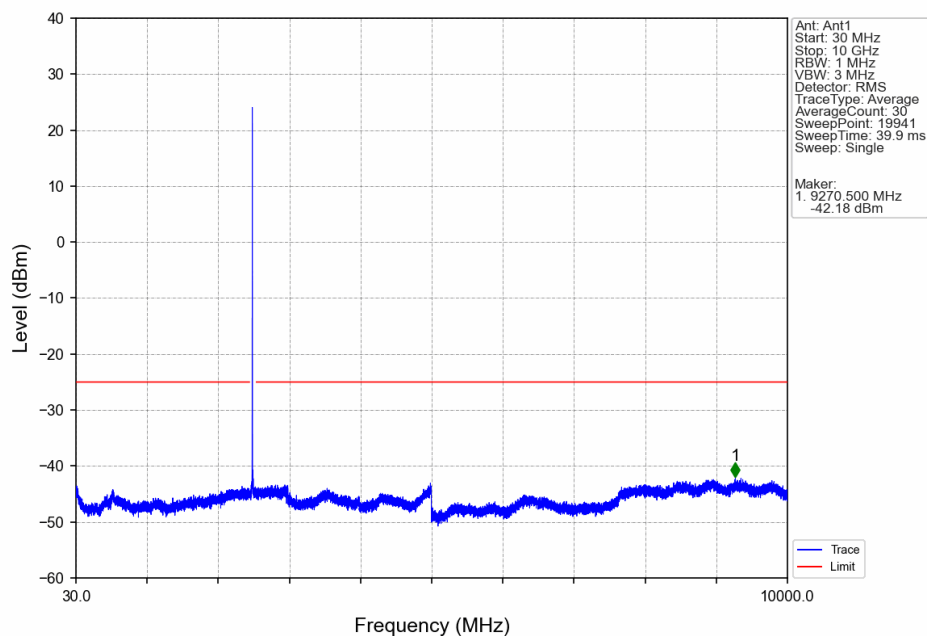
Test Report No.: RF260330B004

Band7_20MHz_64QAM_LCH_2510MHz_RB_1_0_NTNV



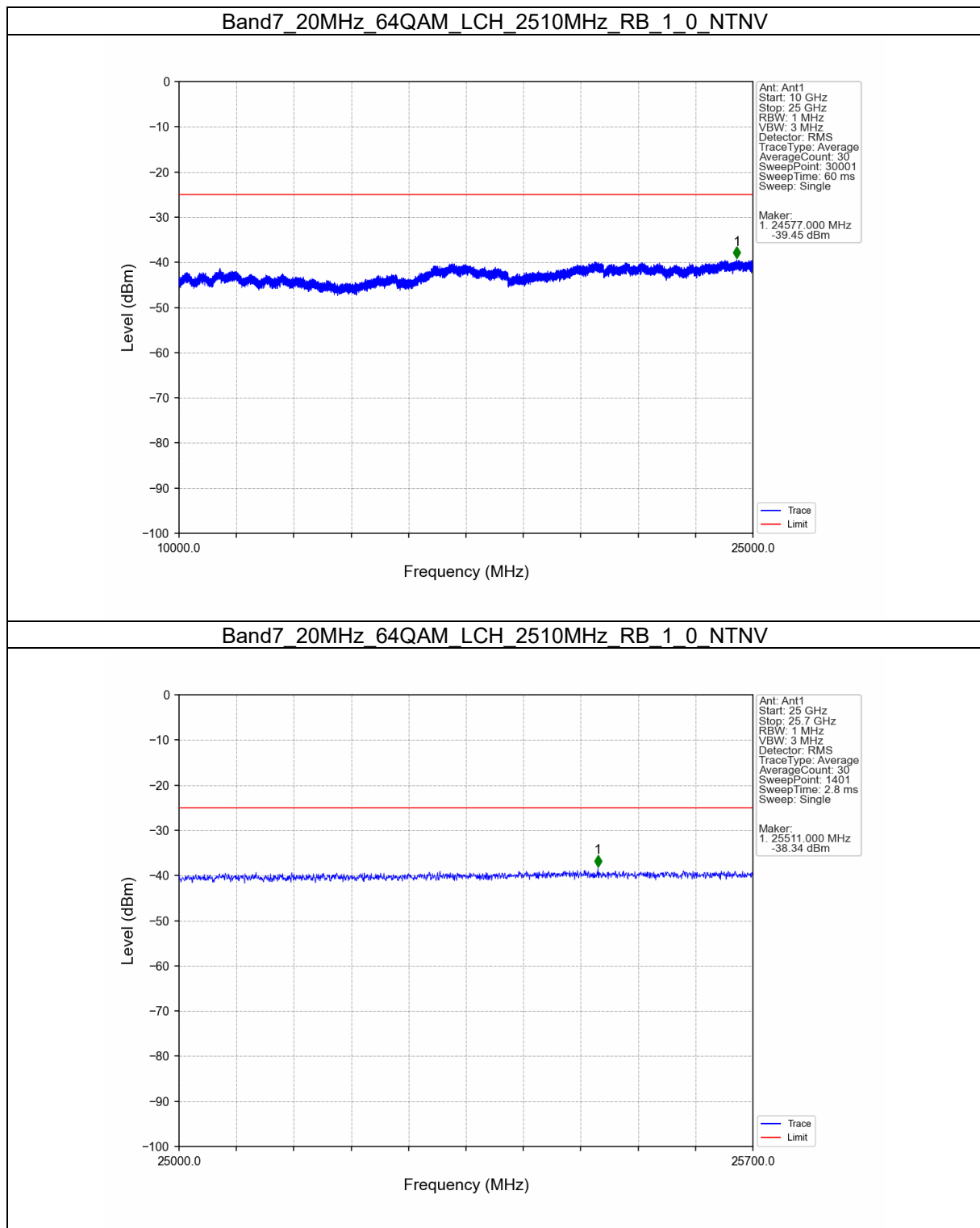
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.435	-43.54	-25	Pass
2490.5	2496	1	CHP	2	2494.365	-42.28	-13	Pass
2496	2499	1	CHP	3	2498.500	-38.48	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-37.85	-10	Pass
2500	2520	0.02	CHP	/	/	/	/	/

Band7_20MHz_64QAM_LCH_2510MHz_RB_1_0_NTNV





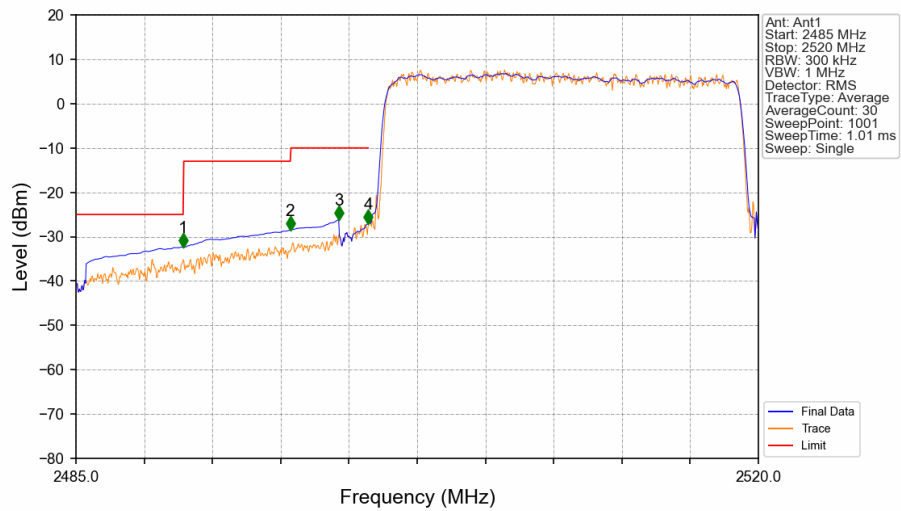
Test Report No.: RF260330B004





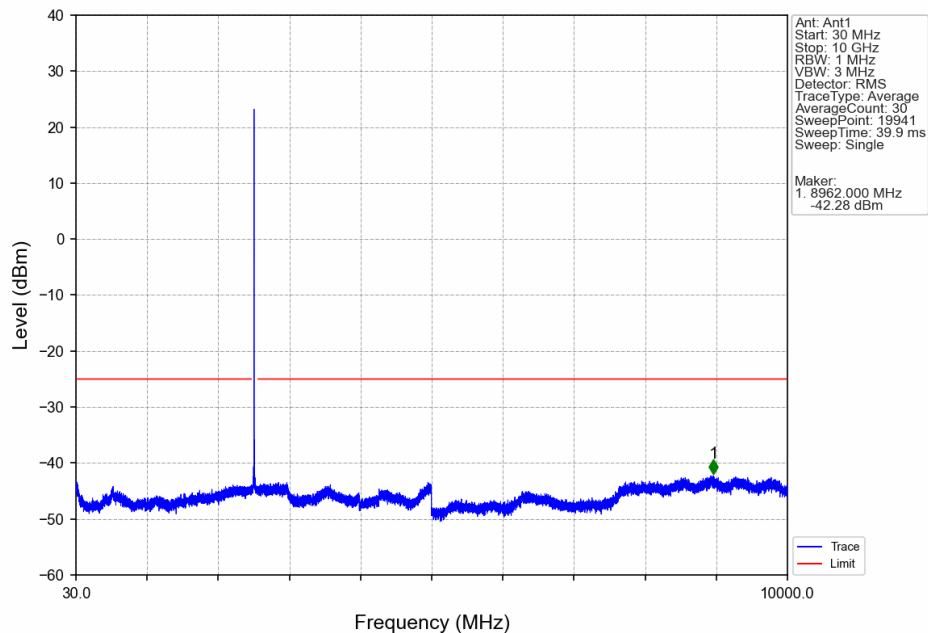
Test Report No.: RF260330B004

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	-32.35	-25	Pass
2490.5	2496	1	CHP	2	2495.990	-28.51	-13	Pass
2496	2499	1	CHP	3	2498.475	-26.16	-10	Pass
2499	2500	0.394	CHP	4	2499.980	-27.06	-10	Pass
2500	2520	0.394	CHP	/	/	/	/	/

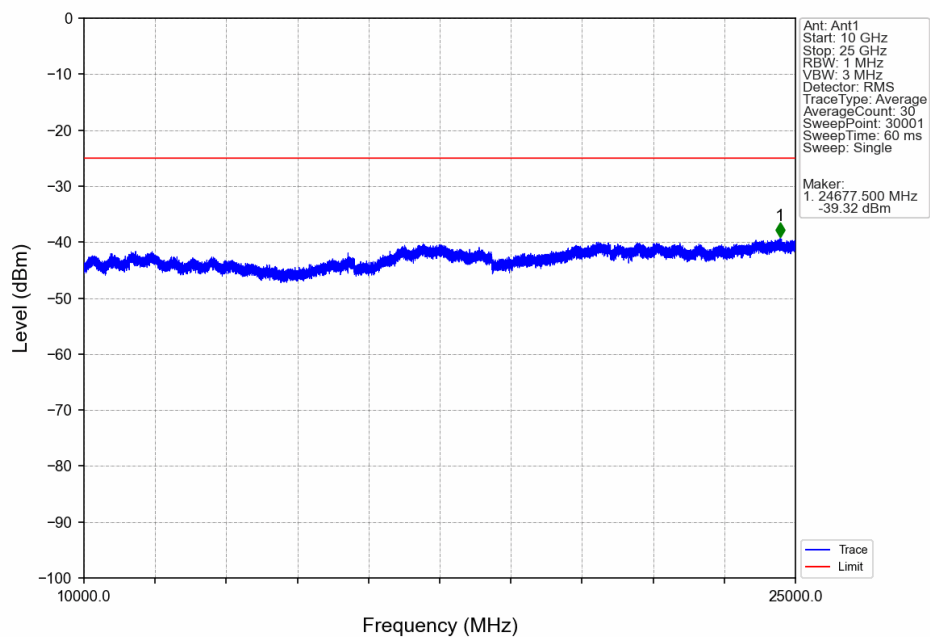
Band7_20MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



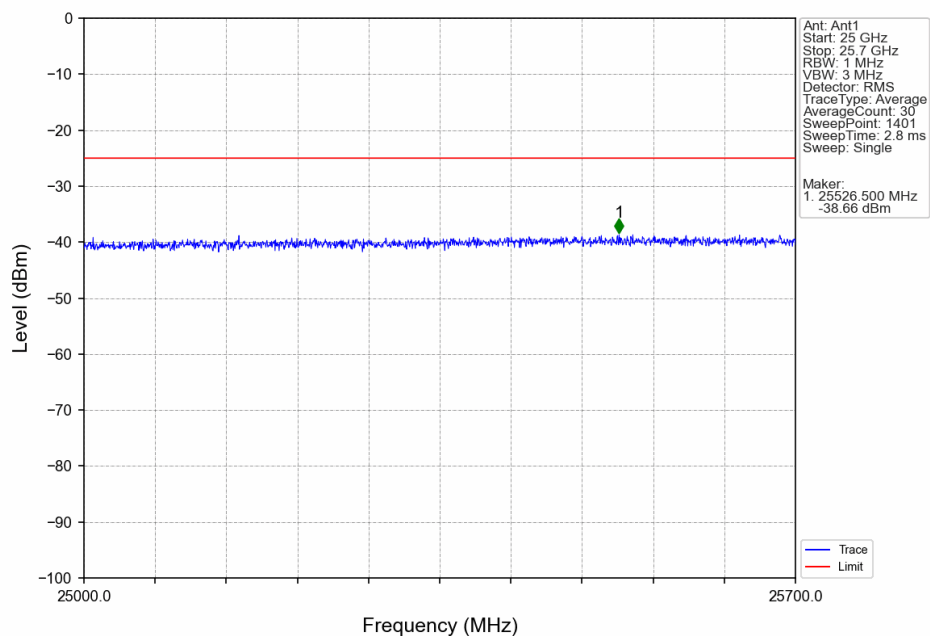


Test Report No.: RF260330B004

Band7_20MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



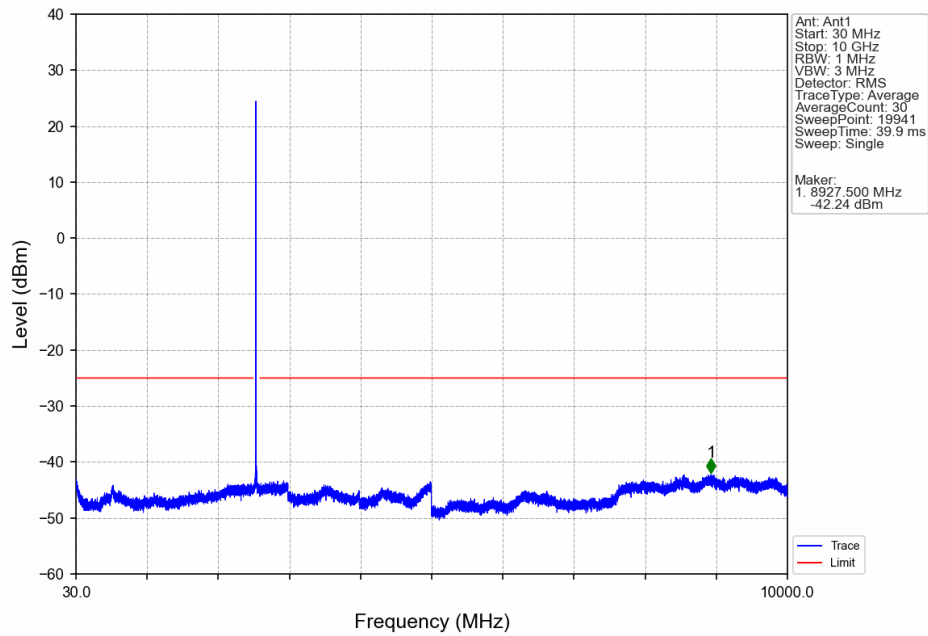
Band7_20MHz_64QAM_MCH_2535MHz_RB_1_0_NTNV



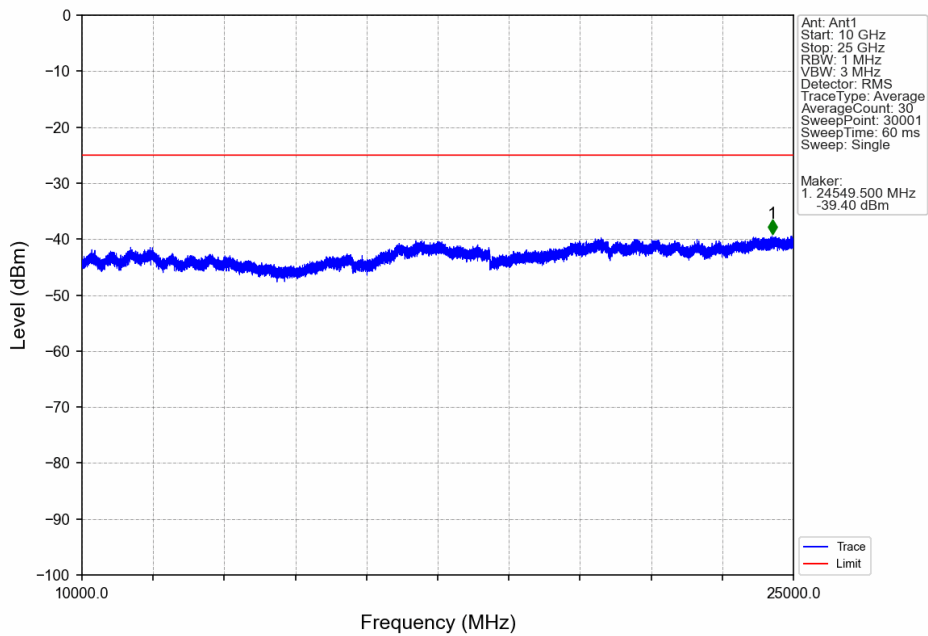


Test Report No.: RF260330B004

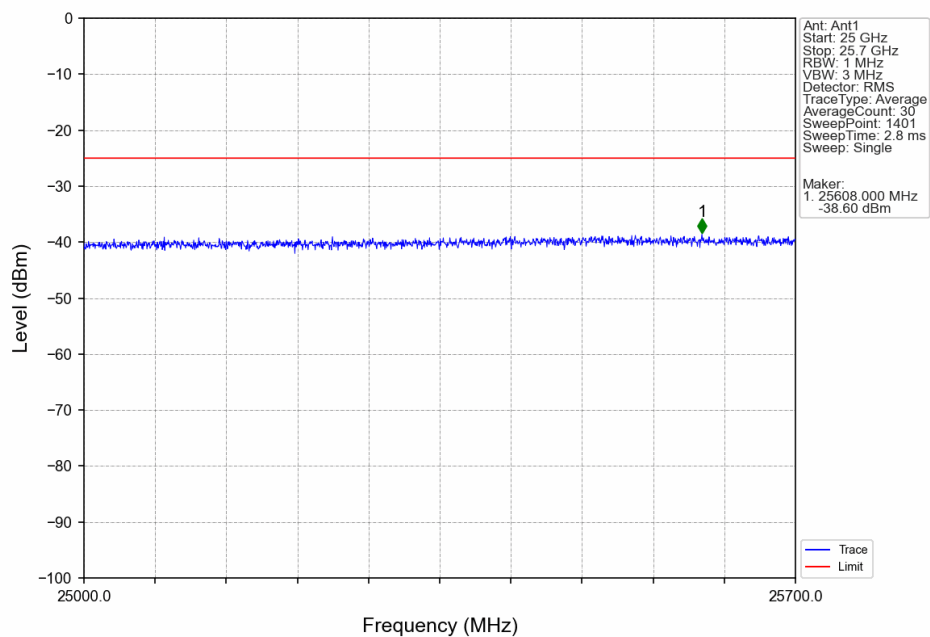
Band7_20MHz_64QAM_HCH_2560MHz_RB_1_0_NTNV



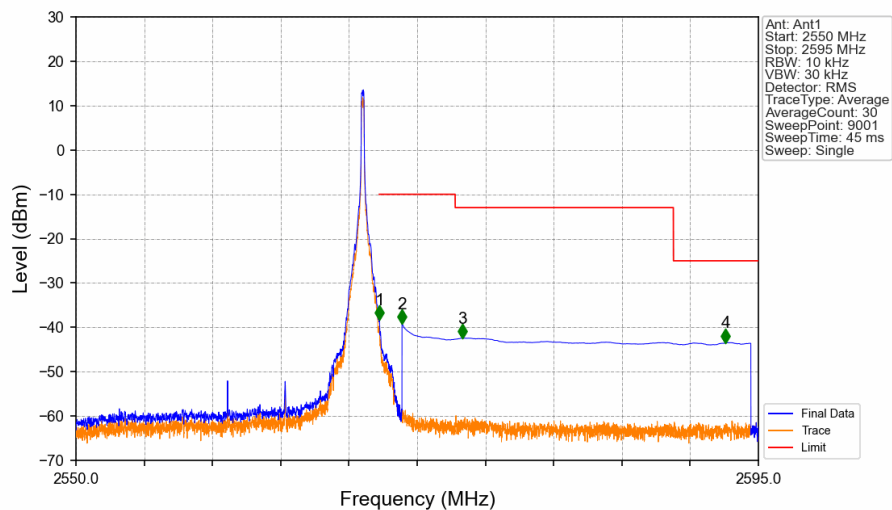
Band7_20MHz_64QAM_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_64QAM_HCH_2560MHz_RB_1_0_NTNV



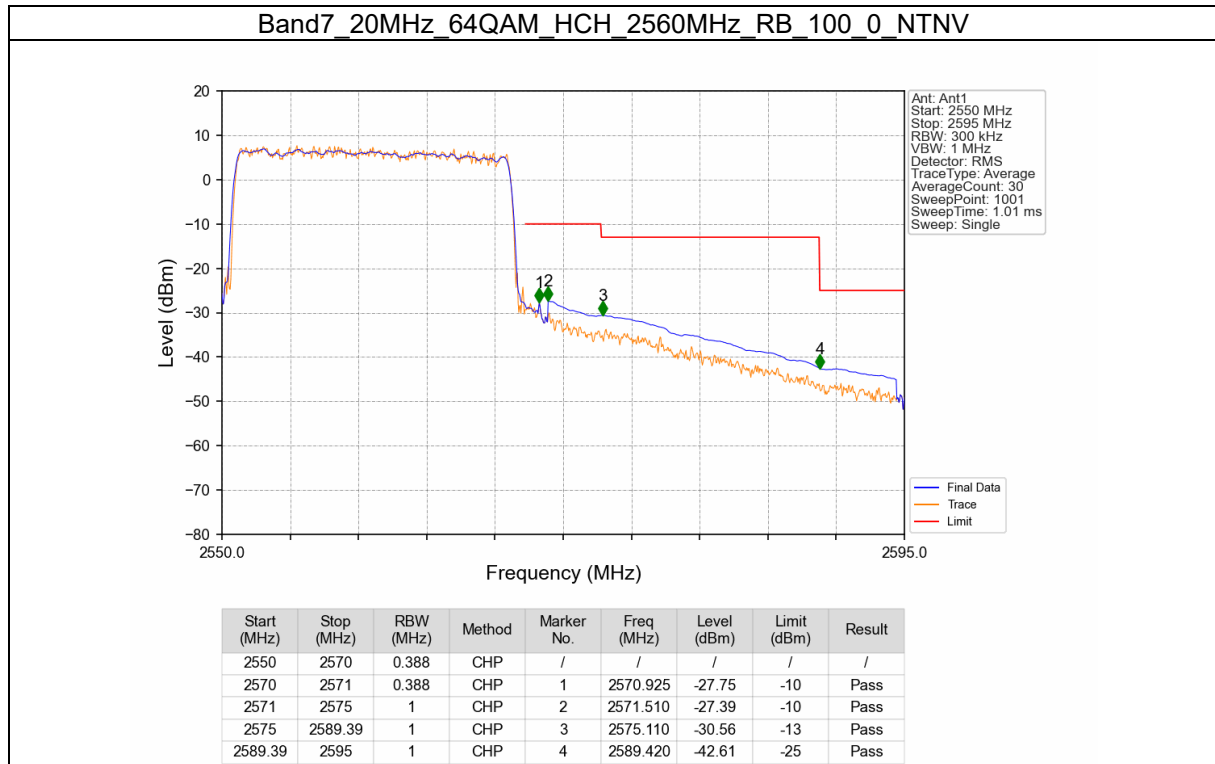
Band7_20MHz_64QAM_HCH_2560MHz_RB_1_99_NTNV



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	2570.015	-38.25	-10	Pass
2571	2575	1	CHP	2	2571.500	-39.10	-10	Pass
2575	2589.39	1	CHP	3	2575.455	-42.41	-13	Pass
2589.39	2595	1	CHP	4	2592.825	-43.44	-25	Pass



Test Report No.: RF260330B004





Test Report No.: RF260330B004

LTE BAND12

FREQUENCY STABILITY

Test Result

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	-17.900	-0.0256	-2.5 to 2.5	Pass
					4	-15.800	-0.0226	-2.5 to 2.5	Pass
					4.6	-13.900	-0.0199	-2.5 to 2.5	Pass
				5	4	-12.900	-0.0184	-2.5 to 2.5	Pass
				15	4	-9.600	-0.0137	-2.5 to 2.5	Pass
				25	4	-9.500	-0.0136	-2.5 to 2.5	Pass
				35	4	-7.600	-0.0109	-2.5 to 2.5	Pass
	707.5	6	0	20	3.4	4.900	0.0069	-2.5 to 2.5	Pass
					4	5.700	0.0081	-2.5 to 2.5	Pass
					4.6	6.000	0.0085	-2.5 to 2.5	Pass
				5	4	6.200	0.0088	-2.5 to 2.5	Pass
				15	4	8.100	0.0114	-2.5 to 2.5	Pass
				25	4	10.500	0.0148	-2.5 to 2.5	Pass
				35	4	11.500	0.0163	-2.5 to 2.5	Pass
	715.3	6	0	20	3.4	-21.600	-0.0302	-2.5 to 2.5	Pass
					4	-20.000	-0.0280	-2.5 to 2.5	Pass
					4.6	-18.500	-0.0259	-2.5 to 2.5	Pass
				5	4	-16.700	-0.0233	-2.5 to 2.5	Pass
				15	4	-13.800	-0.0193	-2.5 to 2.5	Pass
				25	4	-14.400	-0.0201	-2.5 to 2.5	Pass
				35	4	-11.300	-0.0158	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.4	-7.500	-0.0107	-2.5 to 2.5	Pass
					4	-4.700	-0.0067	-2.5 to 2.5	Pass
					4.6	-4.200	-0.0060	-2.5 to 2.5	Pass
				5	4	-3.300	-0.0047	-2.5 to 2.5	Pass
				15	4	-2.700	-0.0039	-2.5 to 2.5	Pass
				25	4	-0.400	-0.0006	-2.5 to 2.5	Pass
				35	4	-2.700	-0.0039	-2.5 to 2.5	Pass
	707.5	6	0	20	3.4	12.200	0.0172	-2.5 to 2.5	Pass
					4	17.800	0.0252	-2.5 to 2.5	Pass
					4.6	15.800	0.0223	-2.5 to 2.5	Pass
				5	4	13.800	0.0195	-2.5 to 2.5	Pass
				15	4	16.100	0.0228	-2.5 to 2.5	Pass
				25	4	12.900	0.0182	-2.5 to 2.5	Pass
				35	4	14.300	0.0202	-2.5 to 2.5	Pass
	715.3	6	0	20	3.4	-10.500	-0.0147	-2.5 to 2.5	Pass
					4	-9.900	-0.0138	-2.5 to 2.5	Pass
					4.6	-9.800	-0.0137	-2.5 to 2.5	Pass
				5	4	-5.900	-0.0082	-2.5 to 2.5	Pass
				15	4	-5.500	-0.0077	-2.5 to 2.5	Pass



Test Report No.: RF260330B004

64QAM	699.7	6	0	25	4	-5.000	-0.0070	-2.5 to 2.5	Pass
				35	4	-4.700	-0.0066	-2.5 to 2.5	Pass
				20	3.4	142.500	0.2037	-2.5 to 2.5	Pass
					4	191.600	0.2738	-2.5 to 2.5	Pass
					4.6	185.800	0.2655	-2.5 to 2.5	Pass
				5	4	184.000	0.2630	-2.5 to 2.5	Pass
	707.5	6	0	15	4	184.100	0.2631	-2.5 to 2.5	Pass
				25	4	-193.800	-0.2770	-2.5 to 2.5	Pass
				35	4	-191.300	-0.2734	-2.5 to 2.5	Pass
				20	3.4	205.500	0.2905	-2.5 to 2.5	Pass
					4	-126.200	-0.1784	-2.5 to 2.5	Pass
					4.6	205.600	0.2906	-2.5 to 2.5	Pass
	715.3	6	0	5	4	-183.800	-0.2598	-2.5 to 2.5	Pass
				15	4	187.600	0.2652	-2.5 to 2.5	Pass
				25	4	194.300	0.2746	-2.5 to 2.5	Pass
				35	4	197.700	0.2794	-2.5 to 2.5	Pass
				20	3.4	175.900	0.2459	-2.5 to 2.5	Pass
					4	194.900	0.2725	-2.5 to 2.5	Pass
					4.6	-200.200	-0.2799	-2.5 to 2.5	Pass
				5	4	-200.800	-0.2807	-2.5 to 2.5	Pass
				15	4	-55.000	-0.0769	-2.5 to 2.5	Pass
				25	4	-190.900	-0.2669	-2.5 to 2.5	Pass
				35	4	183.400	0.2564	-2.5 to 2.5	Pass

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	1.900	0.0027	-2.5 to 2.5	Pass
					4	-1.000	-0.0014	-2.5 to 2.5	Pass
					4.6	1.500	0.0021	-2.5 to 2.5	Pass
				5	4	0.200	0.0003	-2.5 to 2.5	Pass
				15	4	1.600	0.0023	-2.5 to 2.5	Pass
				25	4	0.500	0.0007	-2.5 to 2.5	Pass
	707.5	15	0	35	4	2.200	0.0031	-2.5 to 2.5	Pass
				20	3.4	0.900	0.0013	-2.5 to 2.5	Pass
					4	1.300	0.0018	-2.5 to 2.5	Pass
					4.6	0.700	0.0010	-2.5 to 2.5	Pass
				5	4	1.600	0.0023	-2.5 to 2.5	Pass
				15	4	2.900	0.0041	-2.5 to 2.5	Pass
	714.5	15	0	25	4	1.500	0.0021	-2.5 to 2.5	Pass
				35	4	2.100	0.0030	-2.5 to 2.5	Pass
				20	3.4	0.200	0.0003	-2.5 to 2.5	Pass
					4	1.200	0.0017	-2.5 to 2.5	Pass
					4.6	0.400	0.0006	-2.5 to 2.5	Pass
				5	4	1.700	0.0024	-2.5 to 2.5	Pass
16QAM	700.5	15	0	15	4	-0.700	-0.0010	-2.5 to 2.5	Pass
				25	4	1.600	0.0022	-2.5 to 2.5	Pass
				35	4	1.100	0.0015	-2.5 to 2.5	Pass
				20	3.4	0.300	0.0004	-2.5 to 2.5	Pass
					4	0.600	0.0009	-2.5 to 2.5	Pass
					4.6	2.000	0.0029	-2.5 to 2.5	Pass
				5	4	2.900	0.0041	-2.5 to 2.5	Pass
				15	4	0.400	0.0006	-2.5 to 2.5	Pass
				25	4	1.700	0.0024	-2.5 to 2.5	Pass



Test Report No.: RF260330B004

	707.5	15	0	35	4	1.800	0.0026	-2.5 to 2.5	Pass
				20	3.4	3.400	0.0048	-2.5 to 2.5	Pass
					4	2.200	0.0031	-2.5 to 2.5	Pass
					4.6	0.800	0.0011	-2.5 to 2.5	Pass
				5	4	-0.200	-0.0003	-2.5 to 2.5	Pass
				15	4	2.400	0.0034	-2.5 to 2.5	Pass
				25	4	1.900	0.0027	-2.5 to 2.5	Pass
				35	4	1.900	0.0027	-2.5 to 2.5	Pass
	714.5	15	0	20	3.4	1.700	0.0024	-2.5 to 2.5	Pass
					4	1.300	0.0018	-2.5 to 2.5	Pass
					4.6	1.700	0.0024	-2.5 to 2.5	Pass
				5	4	1.000	0.0014	-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	0.600	0.0008	-2.5 to 2.5	Pass
64QAM	700.5	15	0	20	3.4	-64.900	-0.0926	-2.5 to 2.5	Pass
					4	41.800	0.0597	-2.5 to 2.5	Pass
					4.6	30.900	0.0441	-2.5 to 2.5	Pass
				5	4	46.600	0.0665	-2.5 to 2.5	Pass
				15	4	13.800	0.0197	-2.5 to 2.5	Pass
				25	4	139.300	0.1989	-2.5 to 2.5	Pass
				35	4	19.500	0.0278	-2.5 to 2.5	Pass
	707.5	15	0	20	3.4	-58.200	-0.0823	-2.5 to 2.5	Pass
					4	130.500	0.1845	-2.5 to 2.5	Pass
					4.6	123.900	0.1751	-2.5 to 2.5	Pass
				5	4	-2.800	-0.0040	-2.5 to 2.5	Pass
				15	4	-28.000	-0.0396	-2.5 to 2.5	Pass
				25	4	122.800	0.1736	-2.5 to 2.5	Pass
				35	4	98.500	0.1392	-2.5 to 2.5	Pass
	714.5	15	0	20	3.4	-13.800	-0.0193	-2.5 to 2.5	Pass
					4	143.100	0.2003	-2.5 to 2.5	Pass
					4.6	-51.900	-0.0726	-2.5 to 2.5	Pass
				5	4	-52.000	-0.0728	-2.5 to 2.5	Pass
				15	4	137.500	0.1924	-2.5 to 2.5	Pass
				25	4	0.000	0.0000	-2.5 to 2.5	Pass
				35	4	19.300	0.0270	-2.5 to 2.5	Pass

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	0.500	0.0007	-2.5 to 2.5	Pass
					4	0.600	0.0009	-2.5 to 2.5	Pass
					4.6	1.000	0.0014	-2.5 to 2.5	Pass
				5	4	-0.300	-0.0004	-2.5 to 2.5	Pass
				15	4	0.500	0.0007	-2.5 to 2.5	Pass
				25	4	0.600	0.0009	-2.5 to 2.5	Pass
				35	4	0.300	0.0004	-2.5 to 2.5	Pass
	707.5	25	0	20	3.4	2.400	0.0034	-2.5 to 2.5	Pass
					4	1.200	0.0017	-2.5 to 2.5	Pass
					4.6	2.600	0.0037	-2.5 to 2.5	Pass
				5	4	3.000	0.0042	-2.5 to 2.5	Pass
				15	4	4.000	0.0057	-2.5 to 2.5	Pass
				25	4	2.800	0.0040	-2.5 to 2.5	Pass
				35	4	1.000	0.0014	-2.5 to 2.5	Pass



Test Report No.: RF260330B004

	713.5	25	0	20	3.4	1.100	0.0015	-2.5 to 2.5	Pass
					4	2.100	0.0029	-2.5 to 2.5	Pass
					4.6	0.100	0.0001	-2.5 to 2.5	Pass
				5	4	1.400	0.0020	-2.5 to 2.5	Pass
				15	4	-0.700	-0.0010	-2.5 to 2.5	Pass
				25	4	0.500	0.0007	-2.5 to 2.5	Pass
				35	4	-0.800	-0.0011	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.4	-0.100	-0.0001	-2.5 to 2.5	Pass
					4	1.800	0.0026	-2.5 to 2.5	Pass
					4.6	-0.400	-0.0006	-2.5 to 2.5	Pass
				5	4	1.200	0.0017	-2.5 to 2.5	Pass
				15	4	1.300	0.0019	-2.5 to 2.5	Pass
				25	4	1.600	0.0023	-2.5 to 2.5	Pass
	707.5	25	0	20	3.4	0.000	0.0000	-2.5 to 2.5	Pass
					4	0.800	0.0011	-2.5 to 2.5	Pass
					4.6	1.500	0.0021	-2.5 to 2.5	Pass
				5	4	0.900	0.0013	-2.5 to 2.5	Pass
				15	4	1.200	0.0017	-2.5 to 2.5	Pass
				25	4	1.200	0.0017	-2.5 to 2.5	Pass
	713.5	25	0	20	3.4	0.300	0.0004	-2.5 to 2.5	Pass
					4	0.100	0.0001	-2.5 to 2.5	Pass
					4.6	-0.200	-0.0003	-2.5 to 2.5	Pass
				5	4	0.700	0.0010	-2.5 to 2.5	Pass
				15	4	0.800	0.0011	-2.5 to 2.5	Pass
				25	4	-0.200	-0.0003	-2.5 to 2.5	Pass
64QAM	701.5	25	0	20	3.4	-10.600	-0.0151	-2.5 to 2.5	Pass
					4	19.700	0.0281	-2.5 to 2.5	Pass
					4.6	-19.200	-0.0274	-2.5 to 2.5	Pass
				5	4	6.700	0.0096	-2.5 to 2.5	Pass
				15	4	-23.100	-0.0329	-2.5 to 2.5	Pass
				25	4	2.400	0.0034	-2.5 to 2.5	Pass
	707.5	25	0	20	3.4	33.600	0.0475	-2.5 to 2.5	Pass
					4	13.200	0.0187	-2.5 to 2.5	Pass
					4.6	-26.800	-0.0379	-2.5 to 2.5	Pass
				5	4	35.800	0.0506	-2.5 to 2.5	Pass
				15	4	46.900	0.0663	-2.5 to 2.5	Pass
				25	4	-23.700	-0.0335	-2.5 to 2.5	Pass
	713.5	25	0	20	3.4	55.700	0.0781	-2.5 to 2.5	Pass
					4	-42.200	-0.0591	-2.5 to 2.5	Pass
					4.6	-22.800	-0.0320	-2.5 to 2.5	Pass
				5	4	-48.700	-0.0683	-2.5 to 2.5	Pass
				15	4	36.000	0.0505	-2.5 to 2.5	Pass
				25	4	8.100	0.0114	-2.5 to 2.5	Pass
				35	4	-22.200	-0.0311	-2.5 to 2.5	Pass

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	0.000	0.0000	-2.5 to 2.5	Pass

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Test Report No.: RF260330B004

						4	-1.100	-0.0016	-2.5 to 2.5	Pass
						4.6	0.400	0.0006	-2.5 to 2.5	Pass
					5	4	0.000	0.0000	-2.5 to 2.5	Pass
					15	4	-1.400	-0.0020	-2.5 to 2.5	Pass
					25	4	-1.800	-0.0026	-2.5 to 2.5	Pass
					35	4	-1.000	-0.0014	-2.5 to 2.5	Pass
				707.5	50	0	20		3.4	2.400
		4	-0.200					-0.0003	-2.5 to 2.5	Pass
		4.6	1.900					0.0027	-2.5 to 2.5	Pass
	5	4	0.900					0.0013	-2.5 to 2.5	Pass
	15	4	1.700					0.0024	-2.5 to 2.5	Pass
	25	4	-0.100					-0.0001	-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	-0.500	-0.0007	-2.5 to 2.5	Pass
						4.6	-0.900	-0.0013	-2.5 to 2.5	Pass
					5	4	1.700	0.0024	-2.5 to 2.5	Pass
					15	4	1.500	0.0021	-2.5 to 2.5	Pass
					25	4	0.800	0.0011	-2.5 to 2.5	Pass
					35	4	-0.700	-0.0010	-2.5 to 2.5	Pass
	16QAM	704	50	0	20		3.4	-1.800	-0.0026	-2.5 to 2.5
						4	-0.100	-0.0001	-2.5 to 2.5	Pass
						4.6	-0.300	-0.0004	-2.5 to 2.5	Pass
5						4	0.900	0.0013	-2.5 to 2.5	Pass
15						4	-1.300	-0.0018	-2.5 to 2.5	Pass
25						4	0.200	0.0003	-2.5 to 2.5	Pass
					35	4	-1.500	-0.0021	-2.5 to 2.5	Pass
707.5		50	0	20		3.4	-0.400	-0.0006	-2.5 to 2.5	Pass
						4	0.500	0.0007	-2.5 to 2.5	Pass
						4.6	0.500	0.0007	-2.5 to 2.5	Pass
					5	4	-0.100	-0.0001	-2.5 to 2.5	Pass
					15	4	1.100	0.0016	-2.5 to 2.5	Pass
					25	4	1.400	0.0020	-2.5 to 2.5	Pass
					35	4	1.500	0.0021	-2.5 to 2.5	Pass
711		50	0	20		3.4	2.400	0.0034	-2.5 to 2.5	Pass
						4	0.600	0.0008	-2.5 to 2.5	Pass
						4.6	-1.100	-0.0015	-2.5 to 2.5	Pass
					5	4	0.300	0.0004	-2.5 to 2.5	Pass
					15	4	-0.800	-0.0011	-2.5 to 2.5	Pass
					25	4	-0.500	-0.0007	-2.5 to 2.5	Pass
					35	4	0.200	0.0003	-2.5 to 2.5	Pass
64QAM	704	50	0	20		3.4	-22.500	-0.0320	-2.5 to 2.5	Pass
						4	-4.300	-0.0061	-2.5 to 2.5	Pass
						4.6	-18.800	-0.0267	-2.5 to 2.5	Pass
					5	4	13.800	0.0196	-2.5 to 2.5	Pass
					15	4	27.000	0.0384	-2.5 to 2.5	Pass
					25	4	-25.400	-0.0361	-2.5 to 2.5	Pass
					35	4	24.800	0.0352	-2.5 to 2.5	Pass
	707.5	50	0	20		3.4	2.400	0.0034	-2.5 to 2.5	Pass
						4	-9.200	-0.0130	-2.5 to 2.5	Pass
						4.6	-8.900	-0.0126	-2.5 to 2.5	Pass
					5	4	0.000	0.0000	-2.5 to 2.5	Pass
					15	4	13.800	0.0195	-2.5 to 2.5	Pass
					25	4	-6.400	-0.0090	-2.5 to 2.5	Pass
					35	4	-1.800	-0.0025	-2.5 to 2.5	Pass



Test Report No.: RF260330B004

	711	50	0	20	3.4	23.600	0.0332	-2.5 to 2.5	Pass
					4	-13.800	-0.0194	-2.5 to 2.5	Pass
					4.6	-1.300	-0.0018	-2.5 to 2.5	Pass
				5	4	-1.800	-0.0025	-2.5 to 2.5	Pass
				15	4	23.300	0.0328	-2.5 to 2.5	Pass
				25	4	10.600	0.0149	-2.5 to 2.5	Pass
				35	4	-12.300	-0.0173	-2.5 to 2.5	Pass



Test Report No.: RF260330B004

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

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	1.109	/	Pass
		707.5	6	0	1.104	/	Pass
		715.3	6	0	1.112	/	Pass
	16QAM	699.7	6	0	1.105	/	Pass
		707.5	6	0	1.113	/	Pass
		715.3	6	0	1.116	/	Pass
	64QAM	699.7	6	0	1.106	/	Pass
		707.5	6	0	1.106	/	Pass
		715.3	6	0	1.110	/	Pass
3	QPSK	700.5	15	0	2.749	/	Pass
		707.5	15	0	2.759	/	Pass
		714.5	15	0	2.744	/	Pass
	16QAM	700.5	15	0	2.759	/	Pass
		707.5	15	0	2.746	/	Pass
		714.5	15	0	2.746	/	Pass
	64QAM	700.5	15	0	2.740	/	Pass
		707.5	15	0	2.745	/	Pass
		714.5	15	0	2.754	/	Pass
5	QPSK	701.5	25	0	4.523	/	Pass
		707.5	25	0	4.526	/	Pass
		713.5	25	0	4.506	/	Pass
	16QAM	701.5	25	0	4.514	/	Pass
		707.5	25	0	4.530	/	Pass
		713.5	25	0	4.514	/	Pass
	64QAM	701.5	25	0	4.518	/	Pass
		707.5	25	0	4.510	/	Pass
		713.5	25	0	4.518	/	Pass
10	QPSK	704	50	0	9.003	/	Pass
		707.5	50	0	9.022	/	Pass
		711	50	0	9.011	/	Pass
	16QAM	704	50	0	9.031	/	Pass
		707.5	50	0	9.014	/	Pass
		711	50	0	9.010	/	Pass
	64QAM	704	50	0	9.026	/	Pass
		707.5	50	0	9.029	/	Pass
		711	50	0	9.001	/	Pass

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	1.387	/	Pass
		707.5	6	0	1.412	/	Pass
		715.3	6	0	1.400	/	Pass

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



Test Report No.: RF260330B004

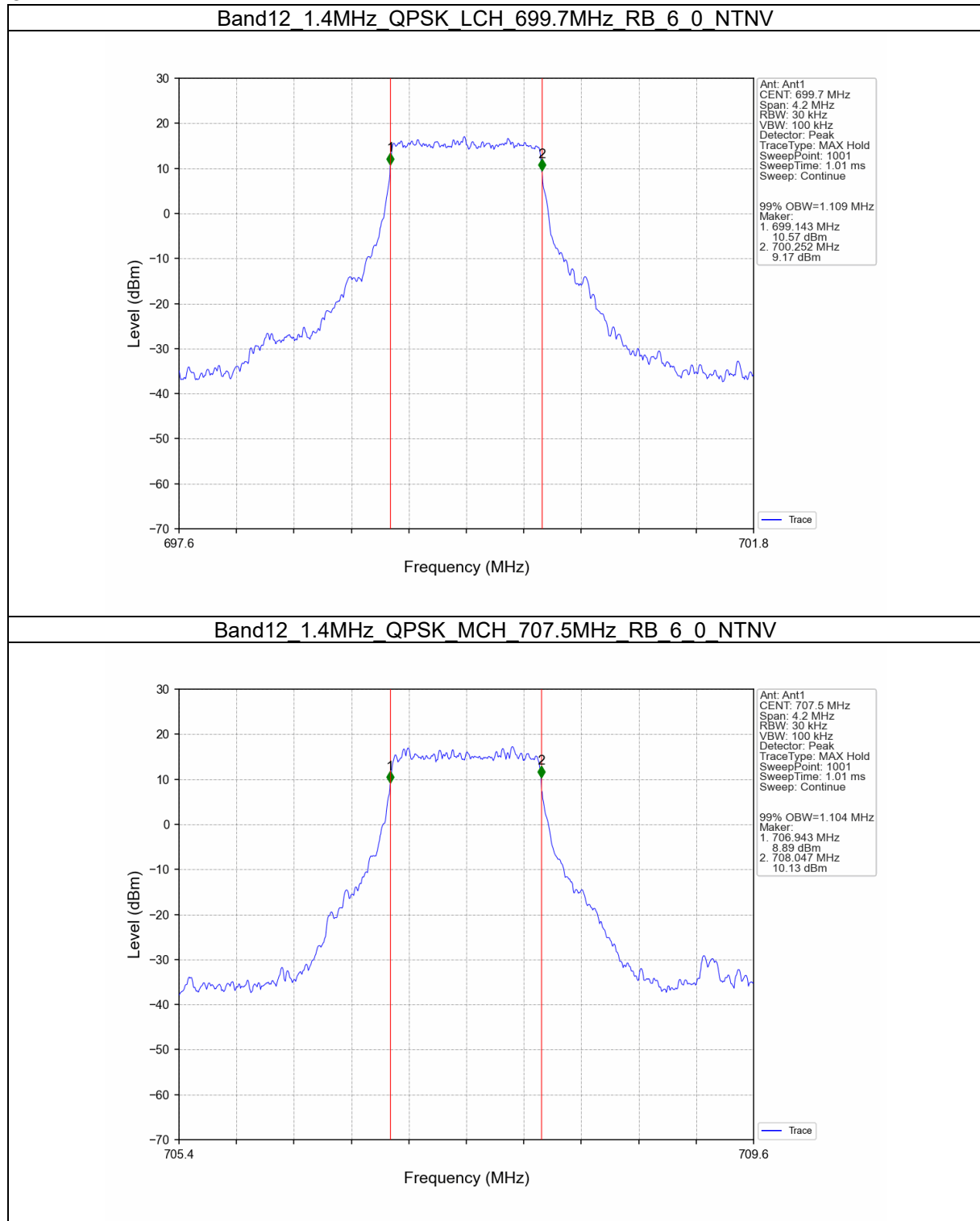
	16QAM	699.7	6	0	1.558	/	Pass
		707.5	6	0	1.459	/	Pass
		715.3	6	0	1.516	/	Pass
	64QAM	699.7	6	0	1.393	/	Pass
		707.5	6	0	1.407	/	Pass
		715.3	6	0	1.427	/	Pass
3	QPSK	700.5	15	0	3.140	/	Pass
		707.5	15	0	3.135	/	Pass
		714.5	15	0	3.126	/	Pass
	16QAM	700.5	15	0	3.126	/	Pass
		707.5	15	0	3.141	/	Pass
		714.5	15	0	3.145	/	Pass
	64QAM	700.5	15	0	3.135	/	Pass
		707.5	15	0	3.151	/	Pass
		714.5	15	0	3.126	/	Pass
5	QPSK	701.5	25	0	5.157	/	Pass
		707.5	25	0	5.183	/	Pass
		713.5	25	0	5.105	/	Pass
	16QAM	701.5	25	0	5.164	/	Pass
		707.5	25	0	5.180	/	Pass
		713.5	25	0	5.188	/	Pass
	64QAM	701.5	25	0	5.142	/	Pass
		707.5	25	0	5.192	/	Pass
		713.5	25	0	5.185	/	Pass
10	QPSK	704	50	0	9.893	/	Pass
		707.5	50	0	10.139	/	Pass
		711	50	0	9.936	/	Pass
	16QAM	704	50	0	10.086	/	Pass
		707.5	50	0	10.054	/	Pass
		711	50	0	9.983	/	Pass
	64QAM	704	50	0	9.966	/	Pass
		707.5	50	0	9.996	/	Pass
		711	50	0	9.829	/	Pass



Test Report No.: RF260330B004

Test Graph

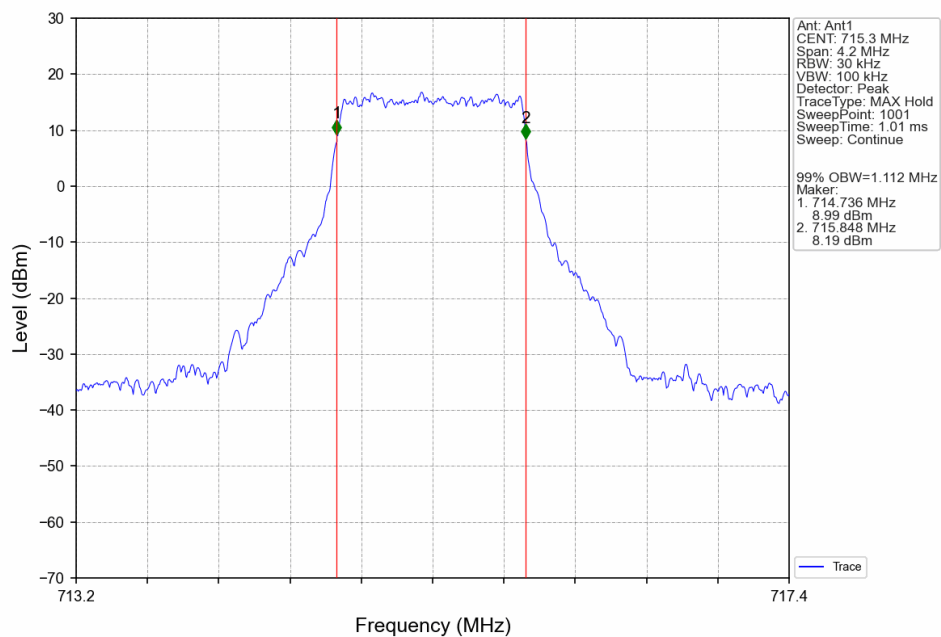
OBW



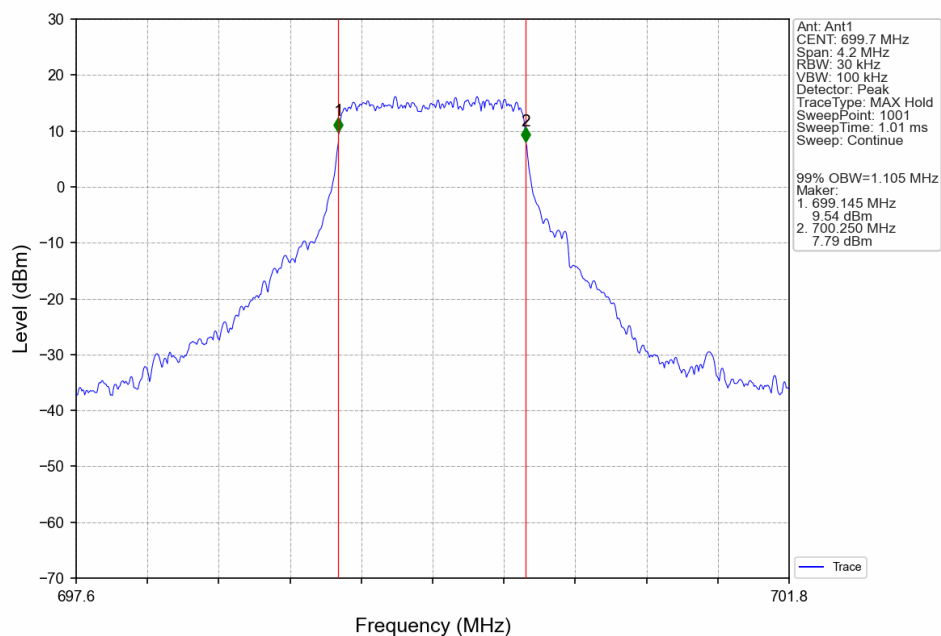


Test Report No.: RF260330B004

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



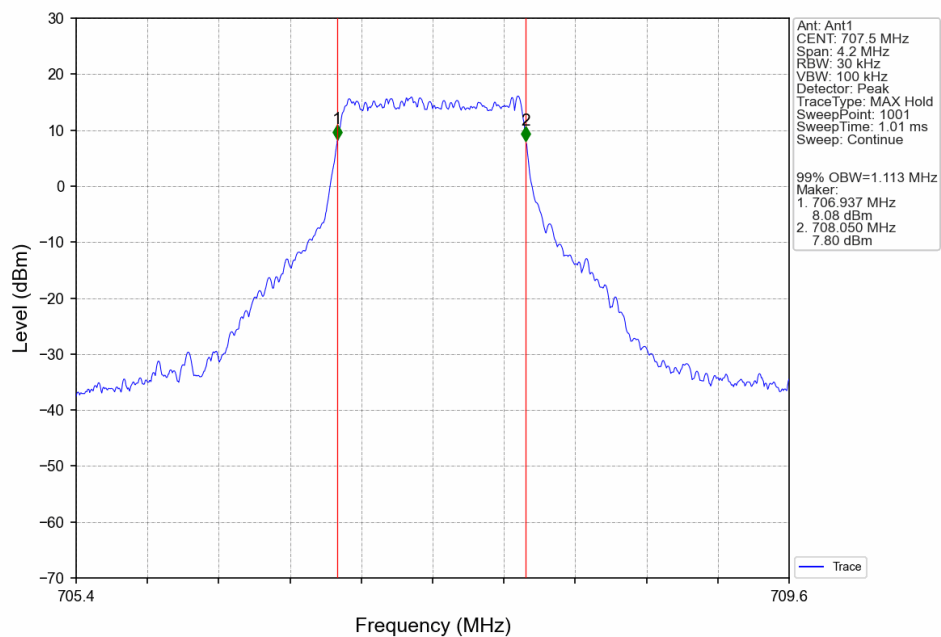
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



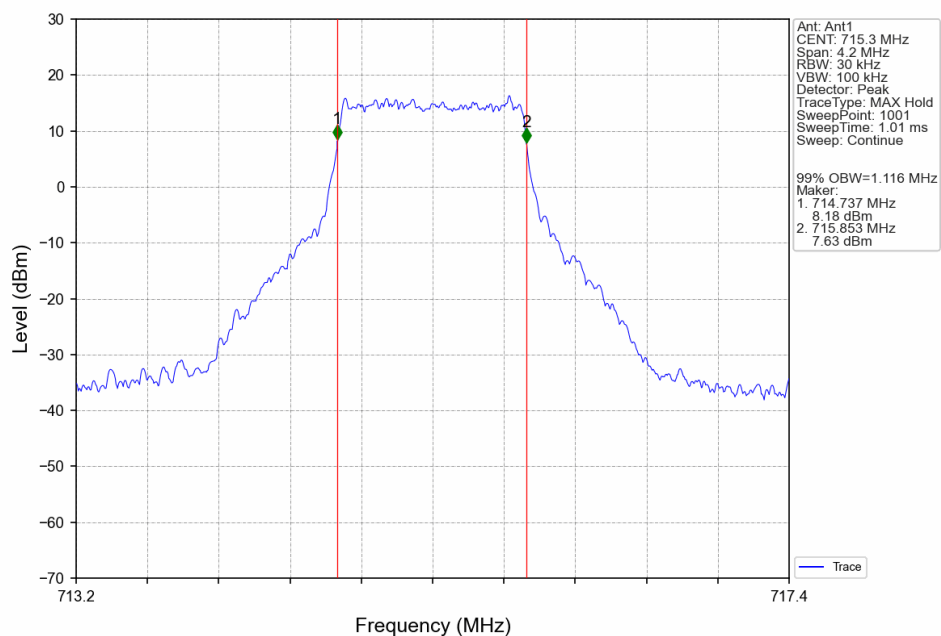


Test Report No.: RF260330B004

Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



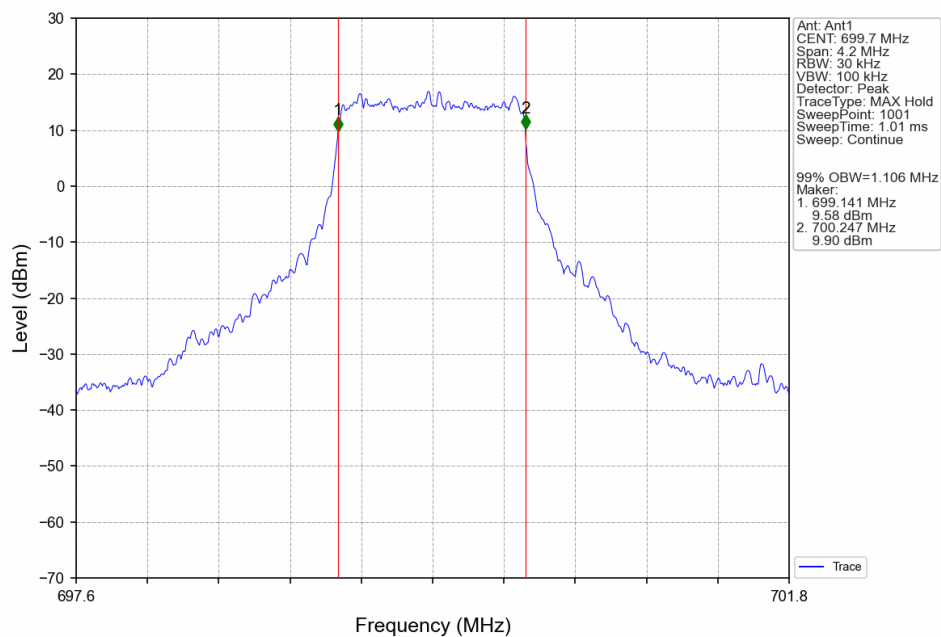
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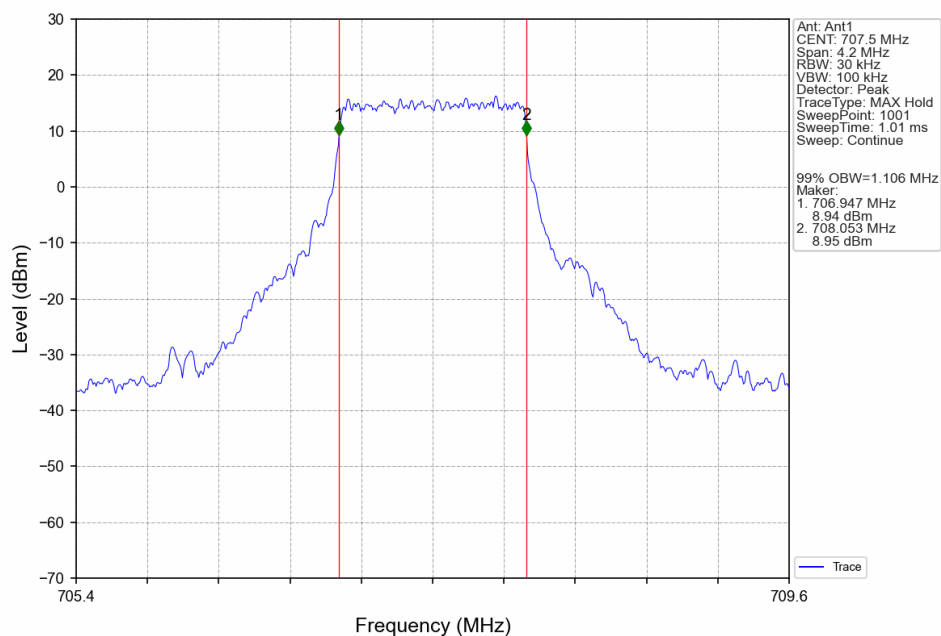


Test Report No.: RF260330B004

Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



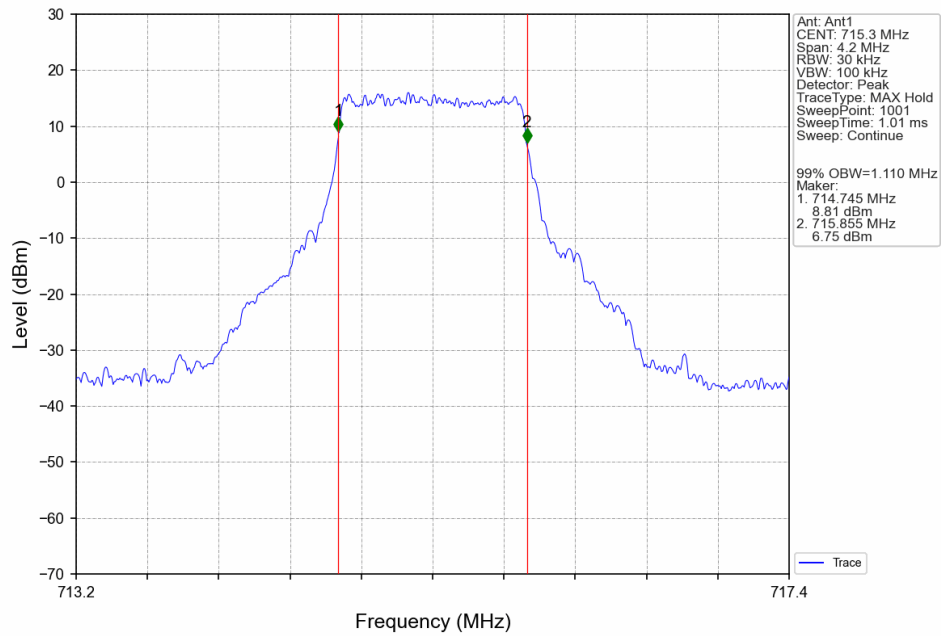
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



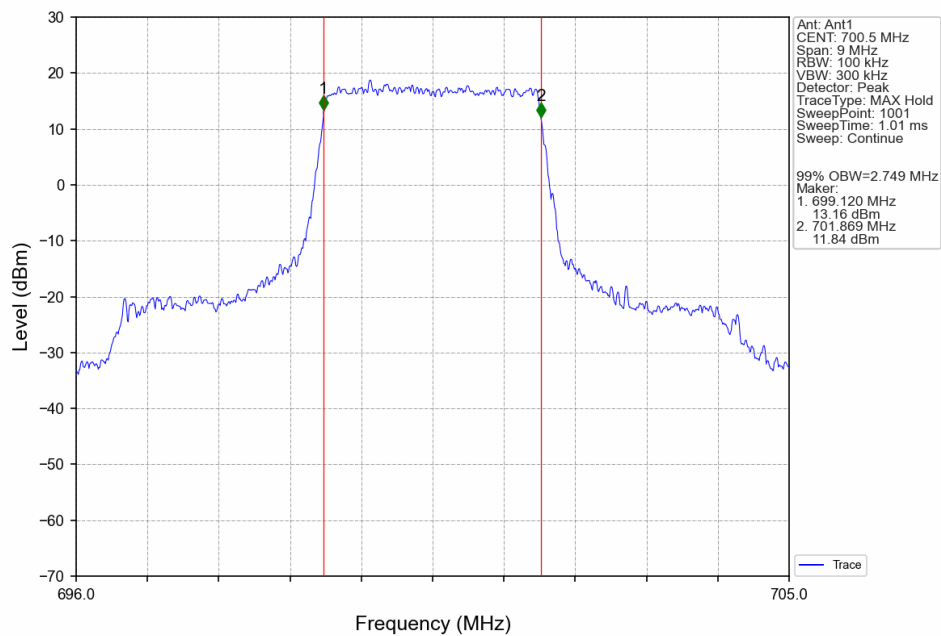


Test Report No.: RF260330B004

Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



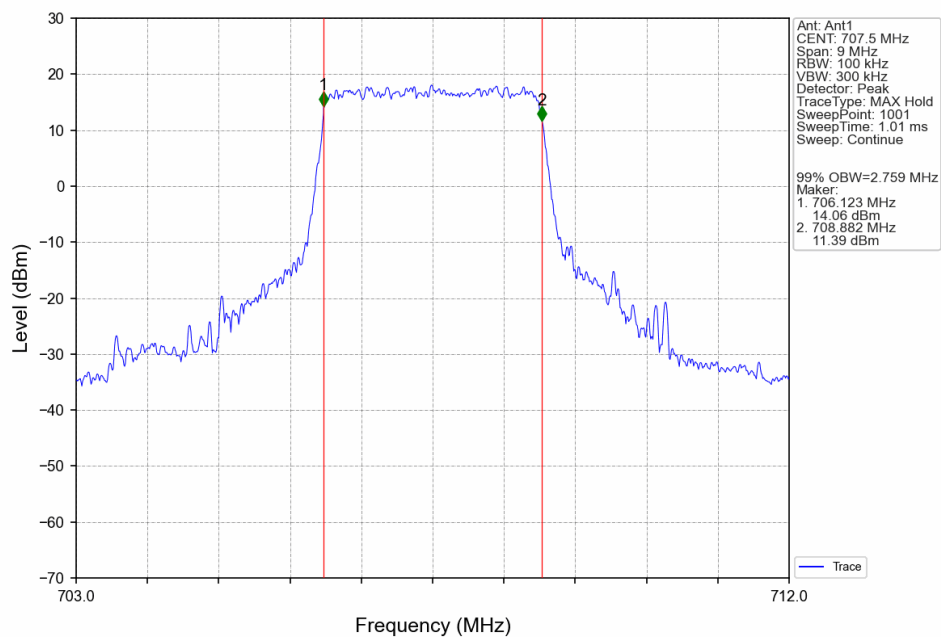
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



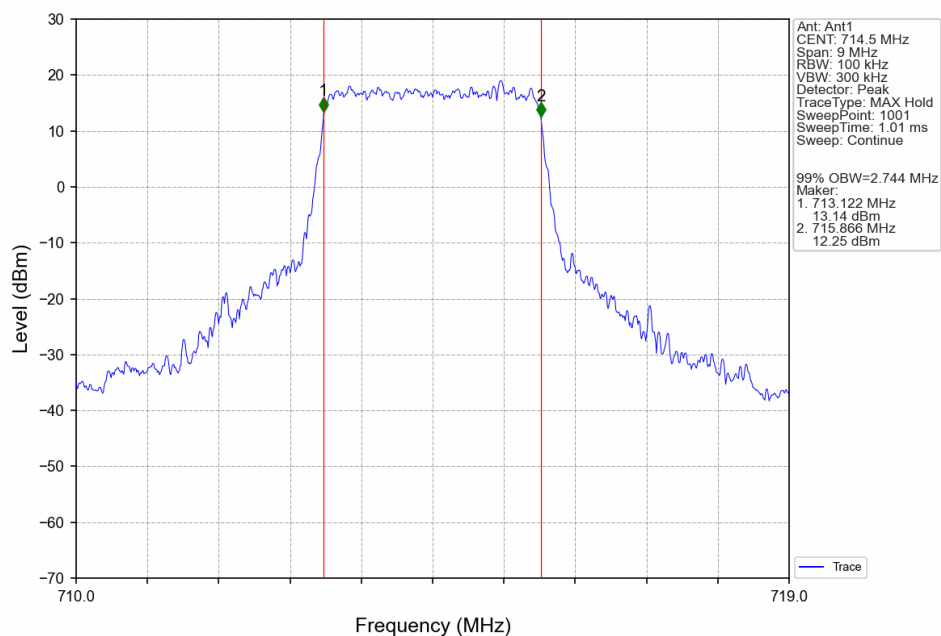


Test Report No.: RF260330B004

Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTN



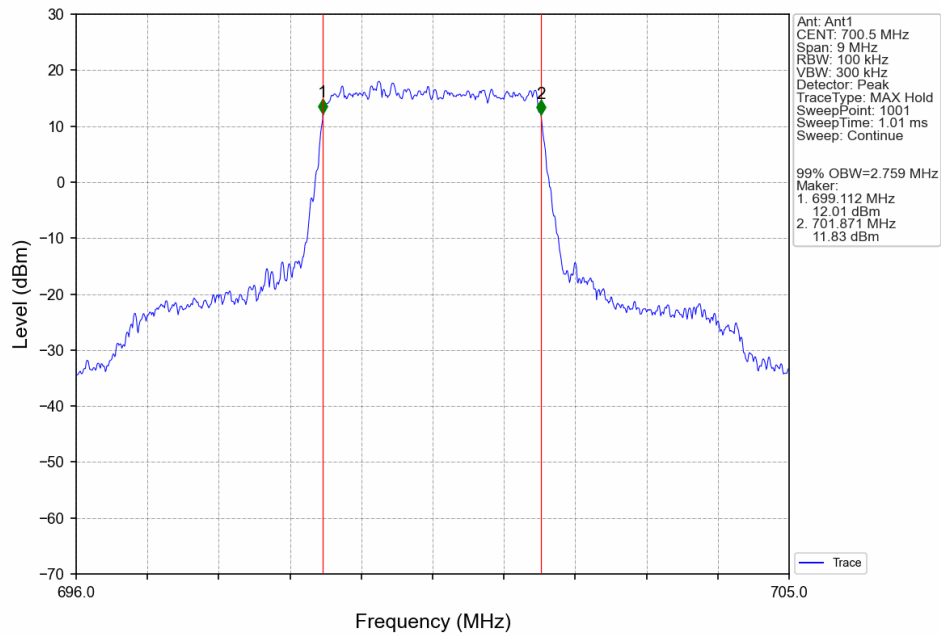
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTN



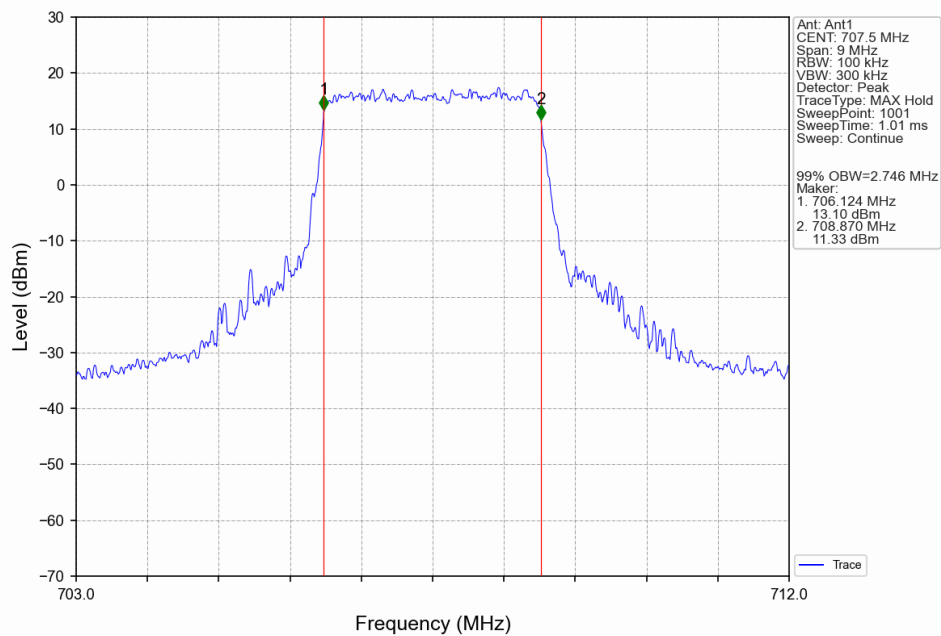


Test Report No.: RF260330B004

Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



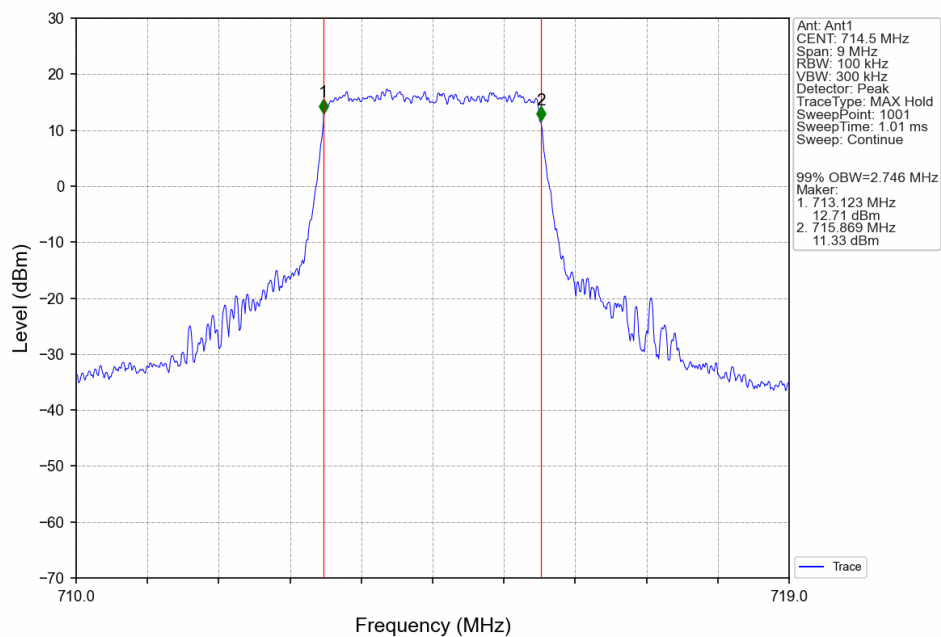
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



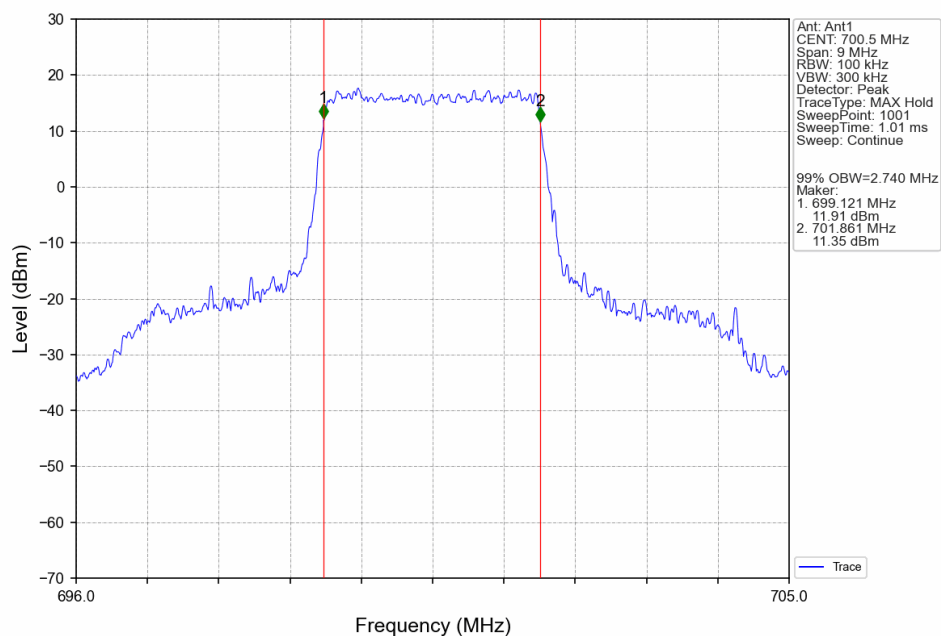


Test Report No.: RF260330B004

Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



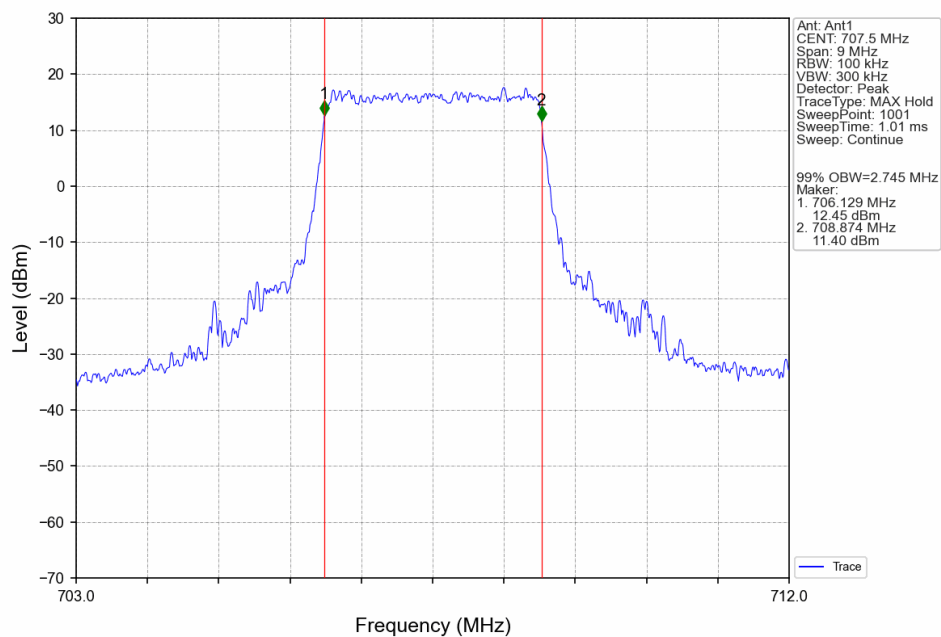
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



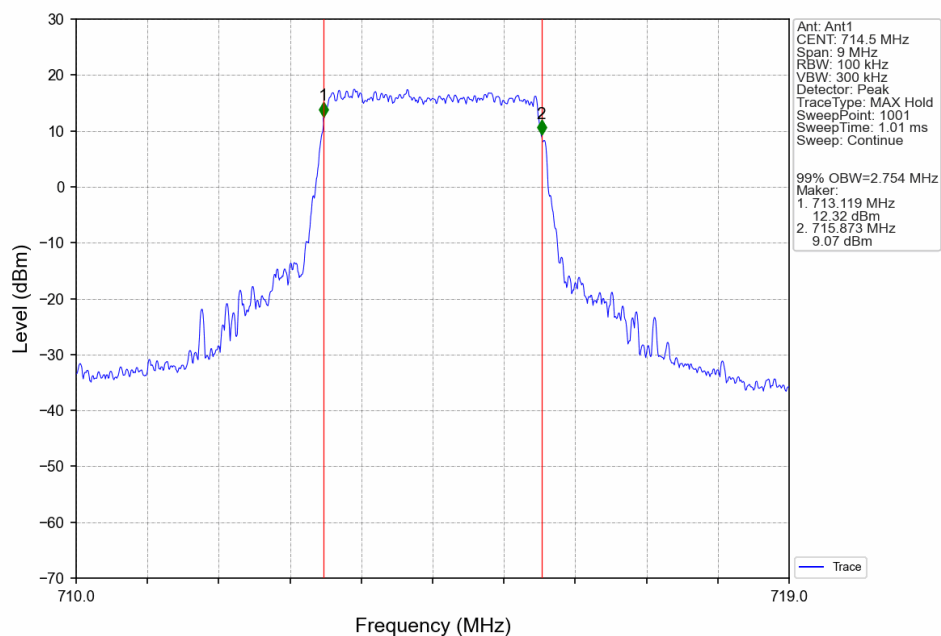


Test Report No.: RF260330B004

Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



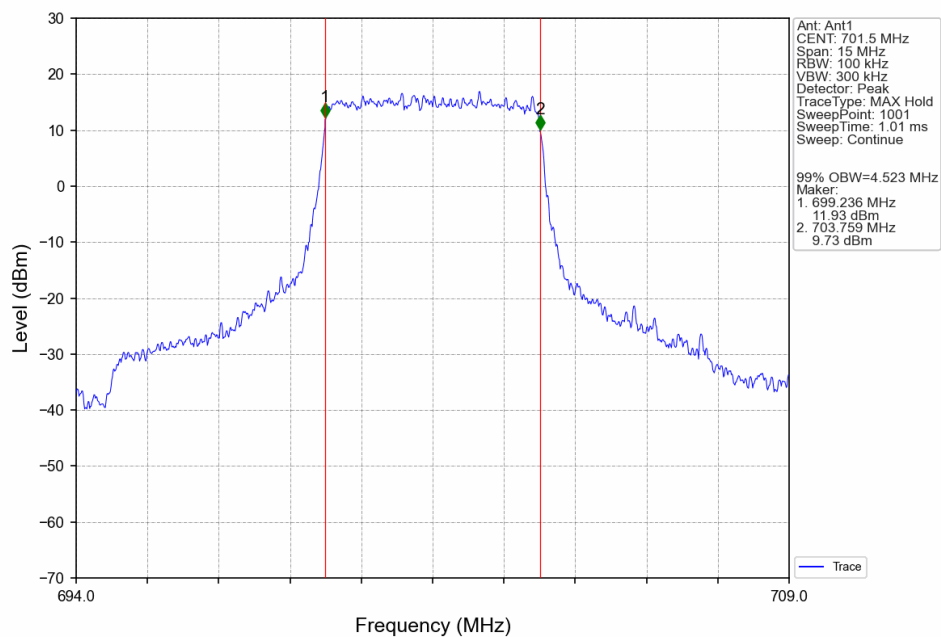
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



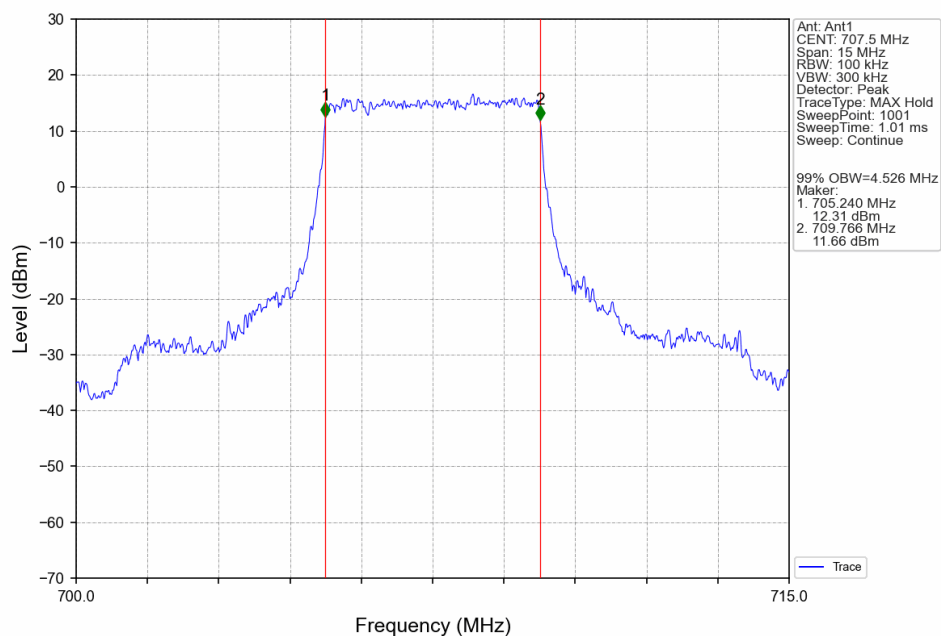


Test Report No.: RF260330B004

Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



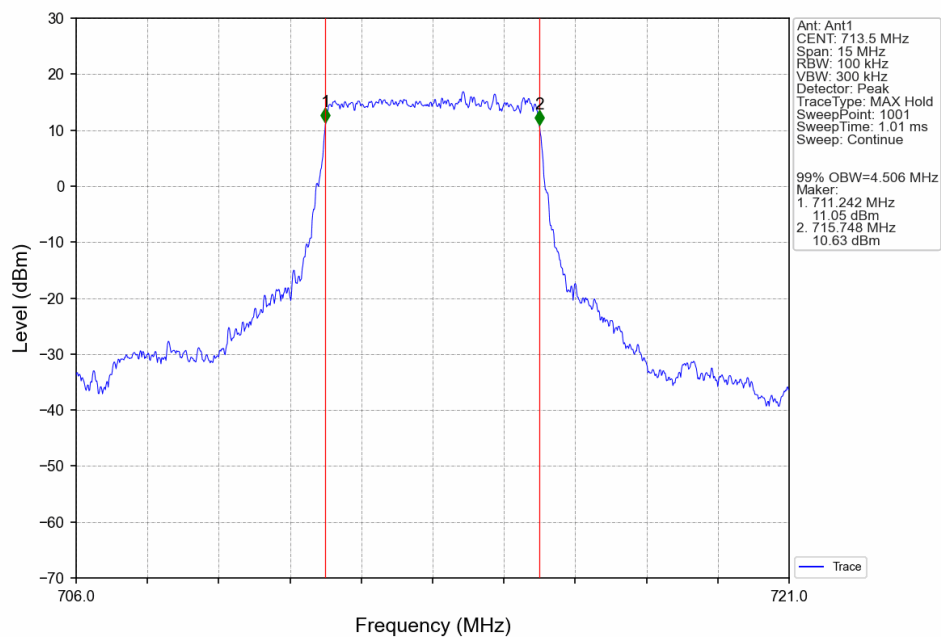
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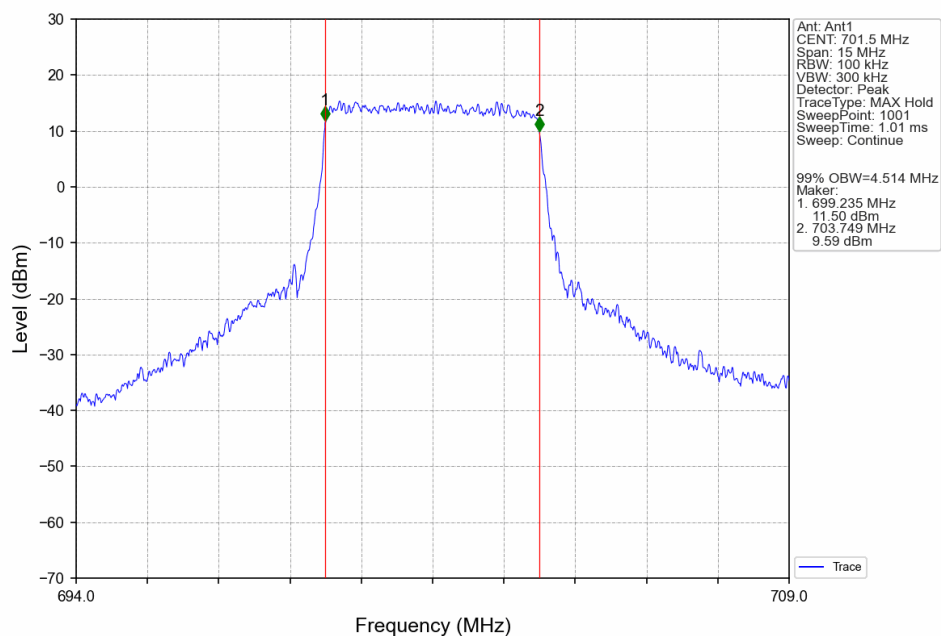


Test Report No.: RF260330B004

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



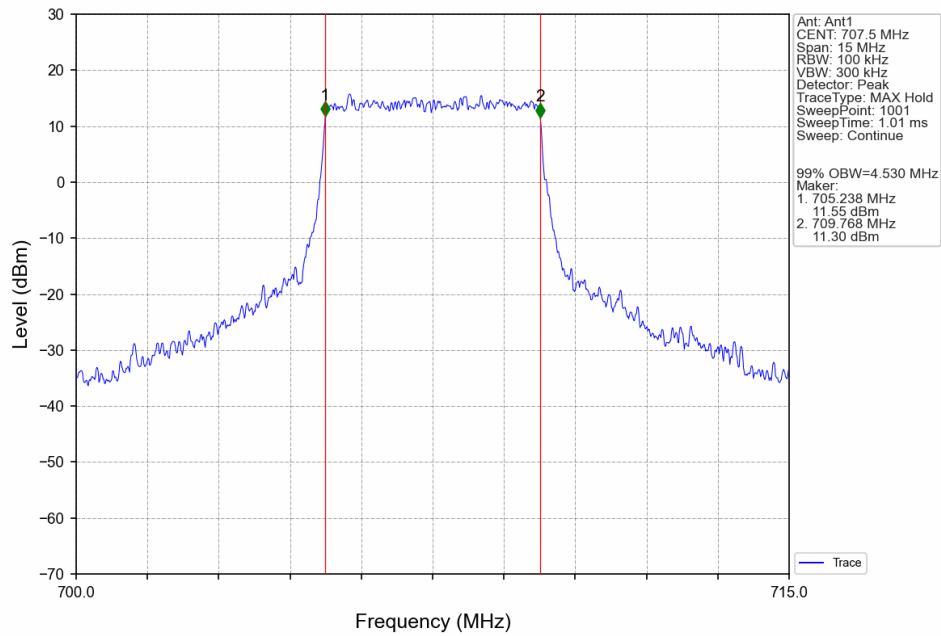
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



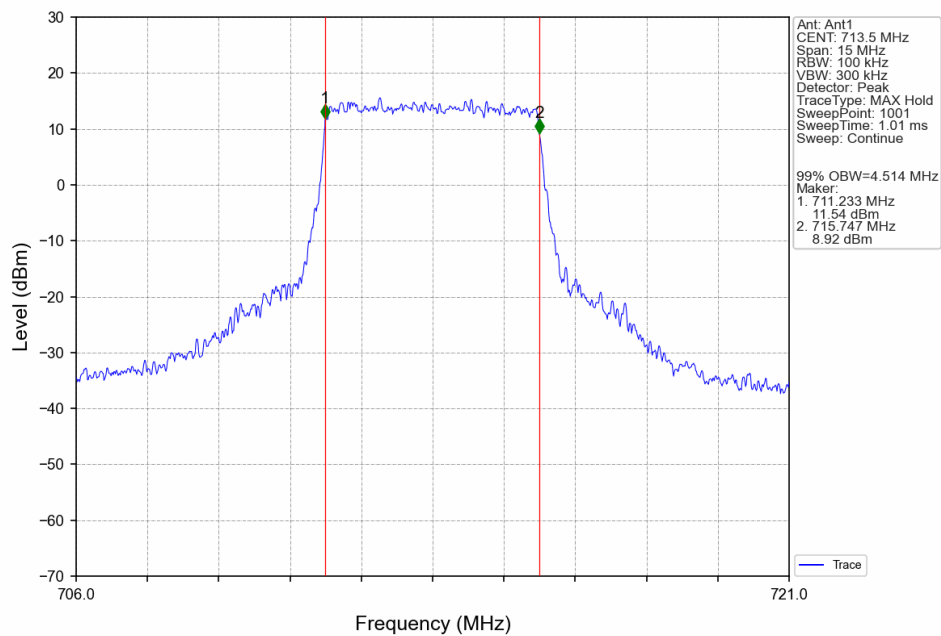


Test Report No.: RF260330B004

Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



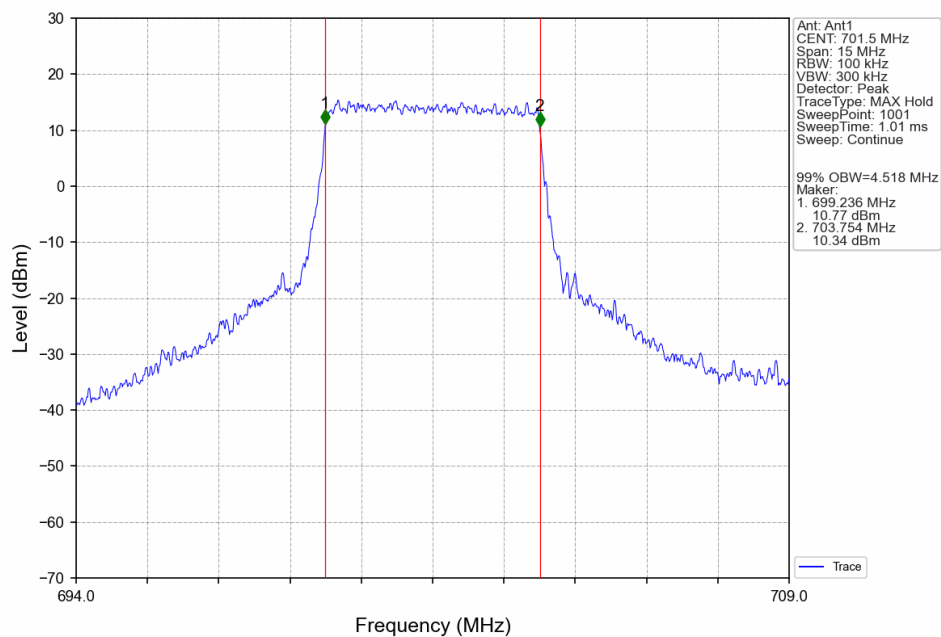
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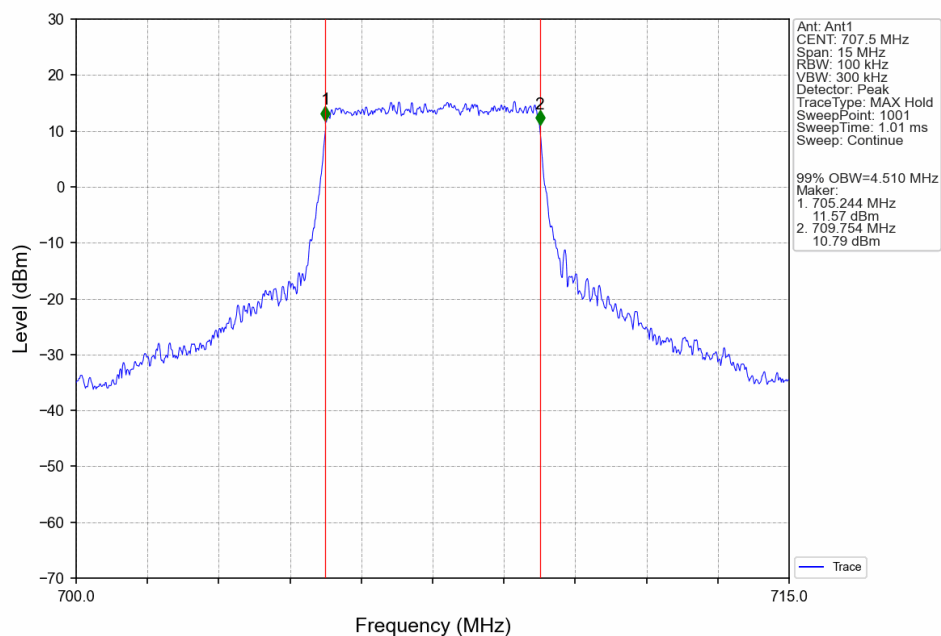


Test Report No.: RF260330B004

Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



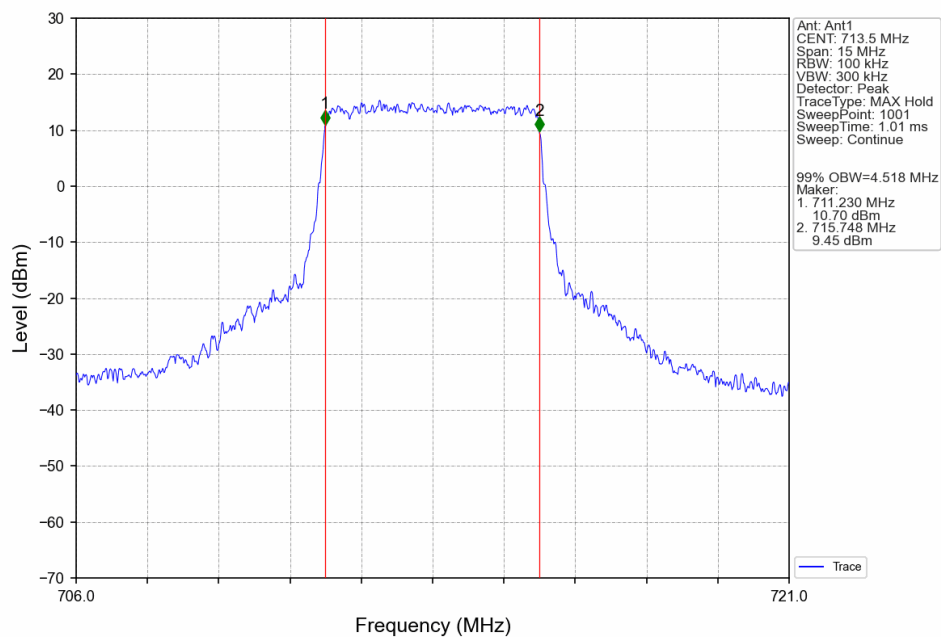
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



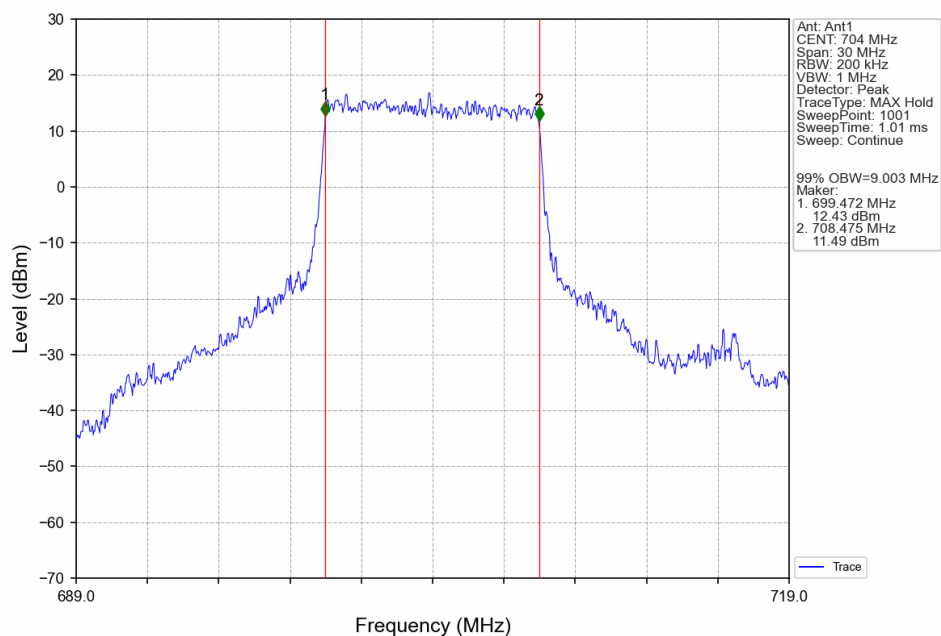


Test Report No.: RF260330B004

Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



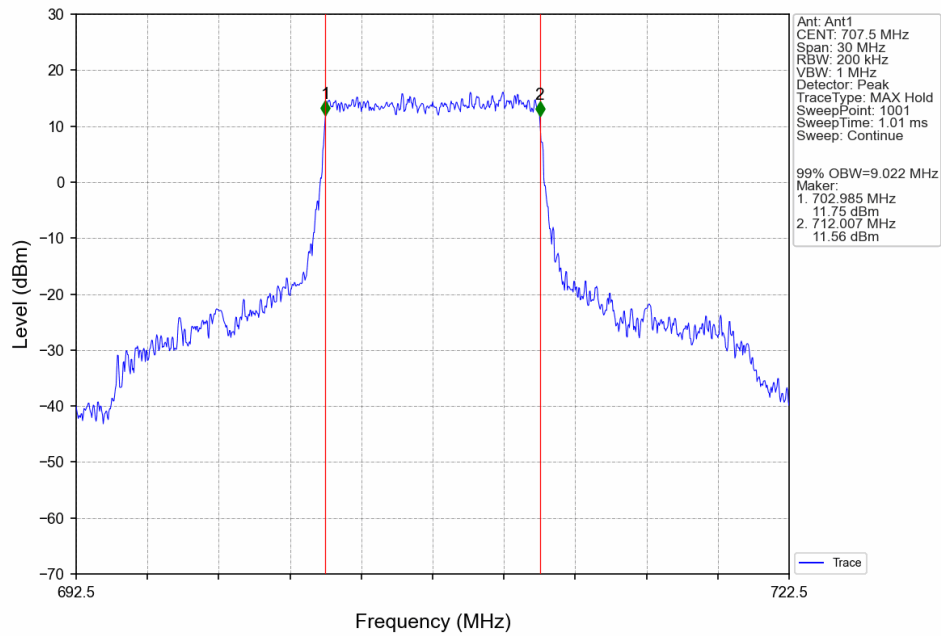
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



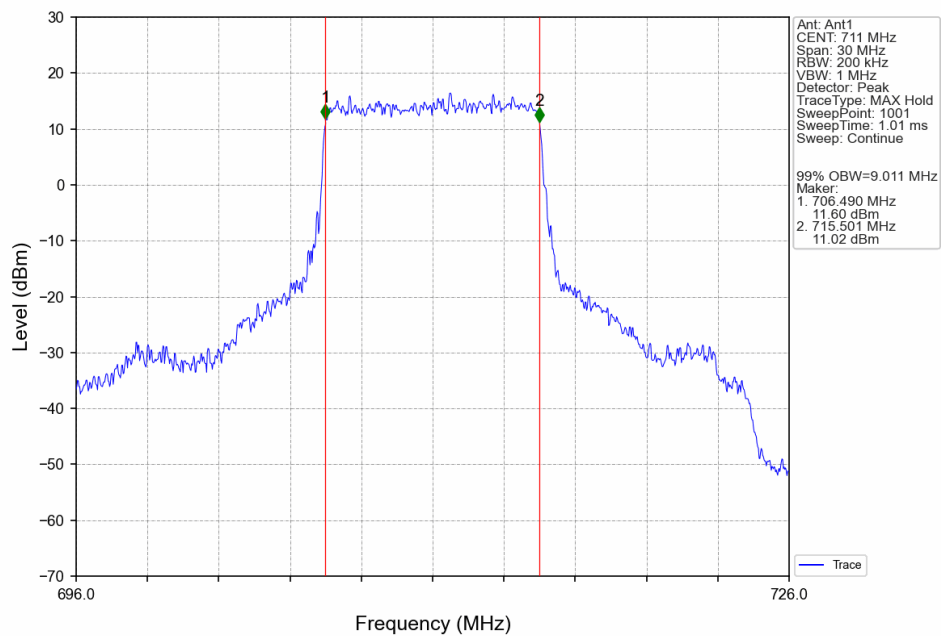


Test Report No.: RF260330B004

Band12_10MHz QPSK_MCH_707.5MHz RB 50 0 NTN



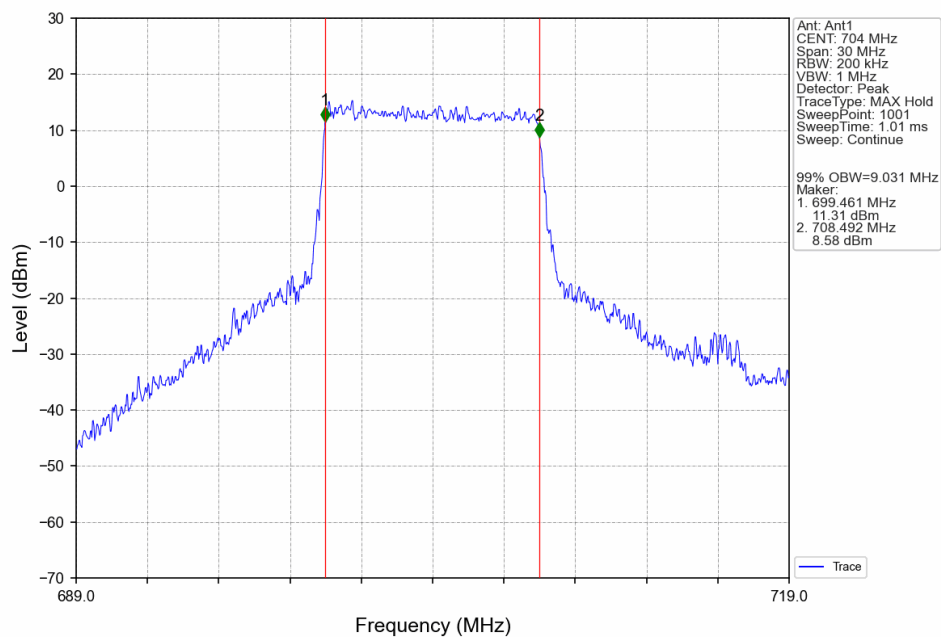
Band12_10MHz QPSK_HCH_711MHz RB 50 0 NTN



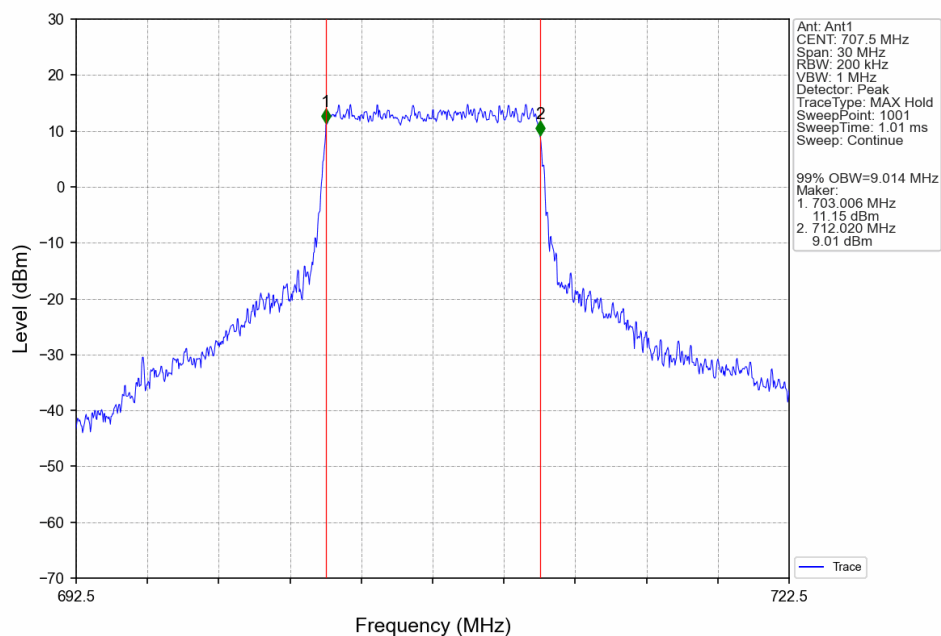


Test Report No.: RF260330B004

Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV



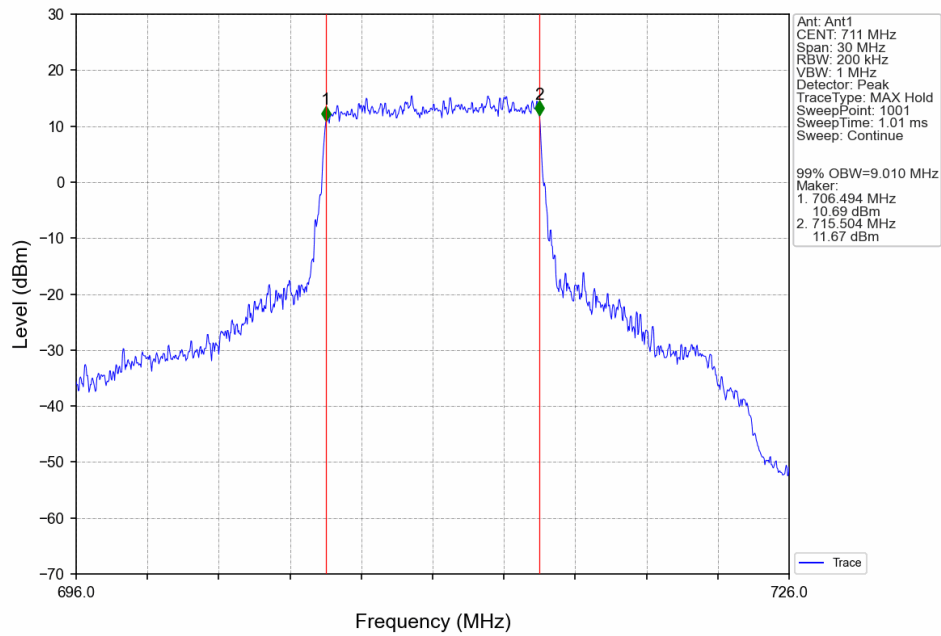
Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTNV



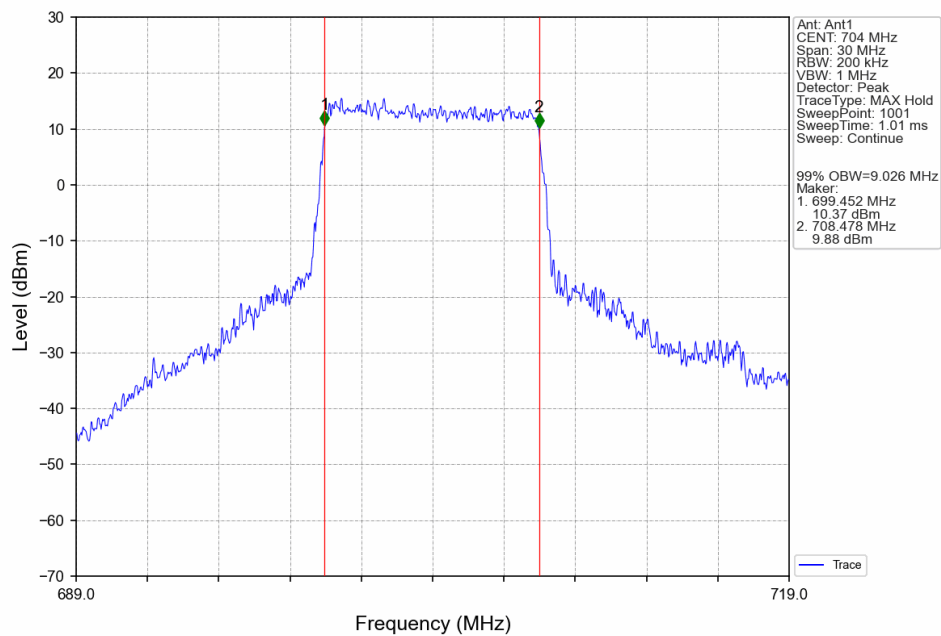


Test Report No.: RF260330B004

Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



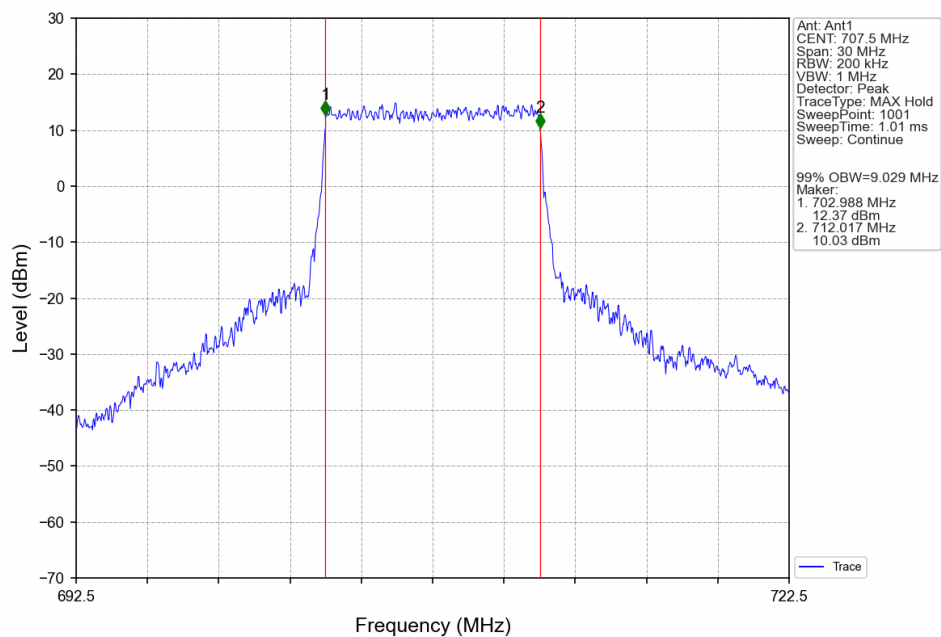
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



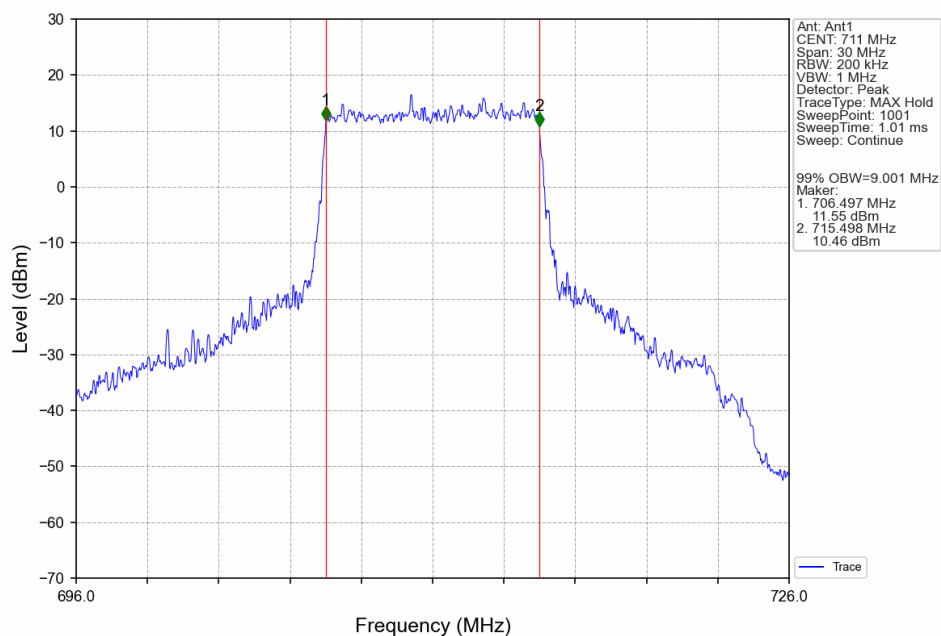


Test Report No.: RF260330B004

Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV

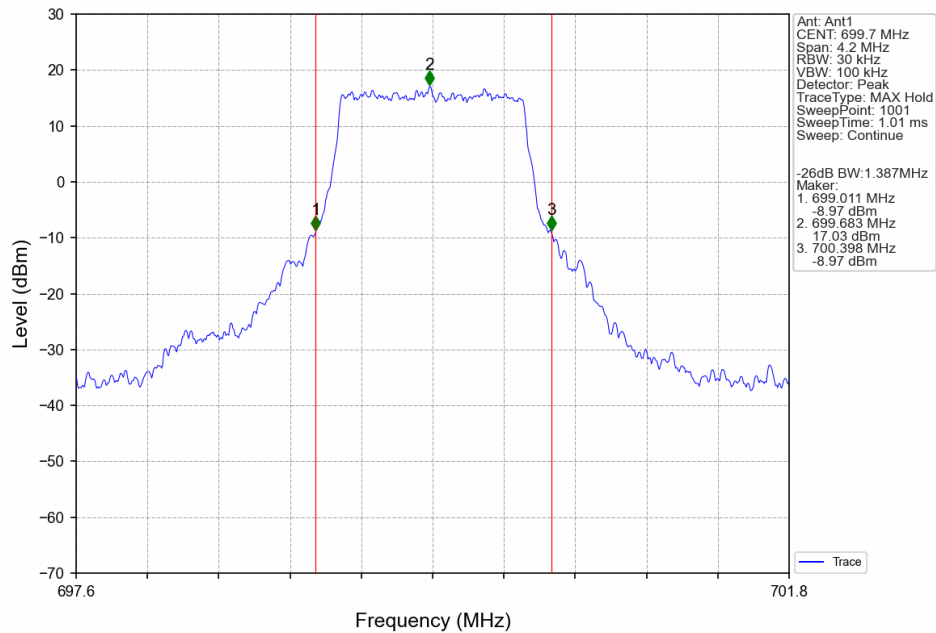




Test Report No.: RF260330B004

XDB

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV

