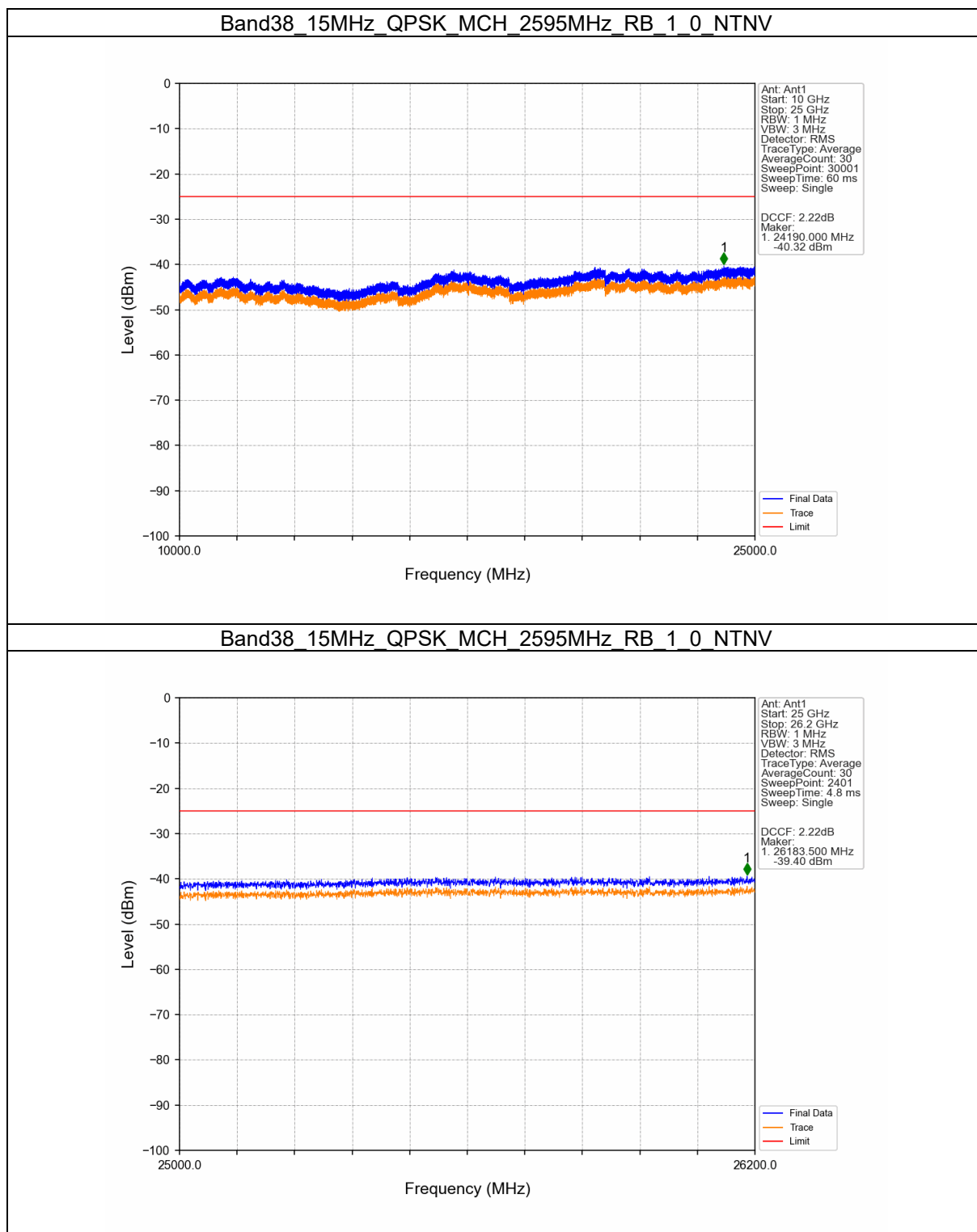


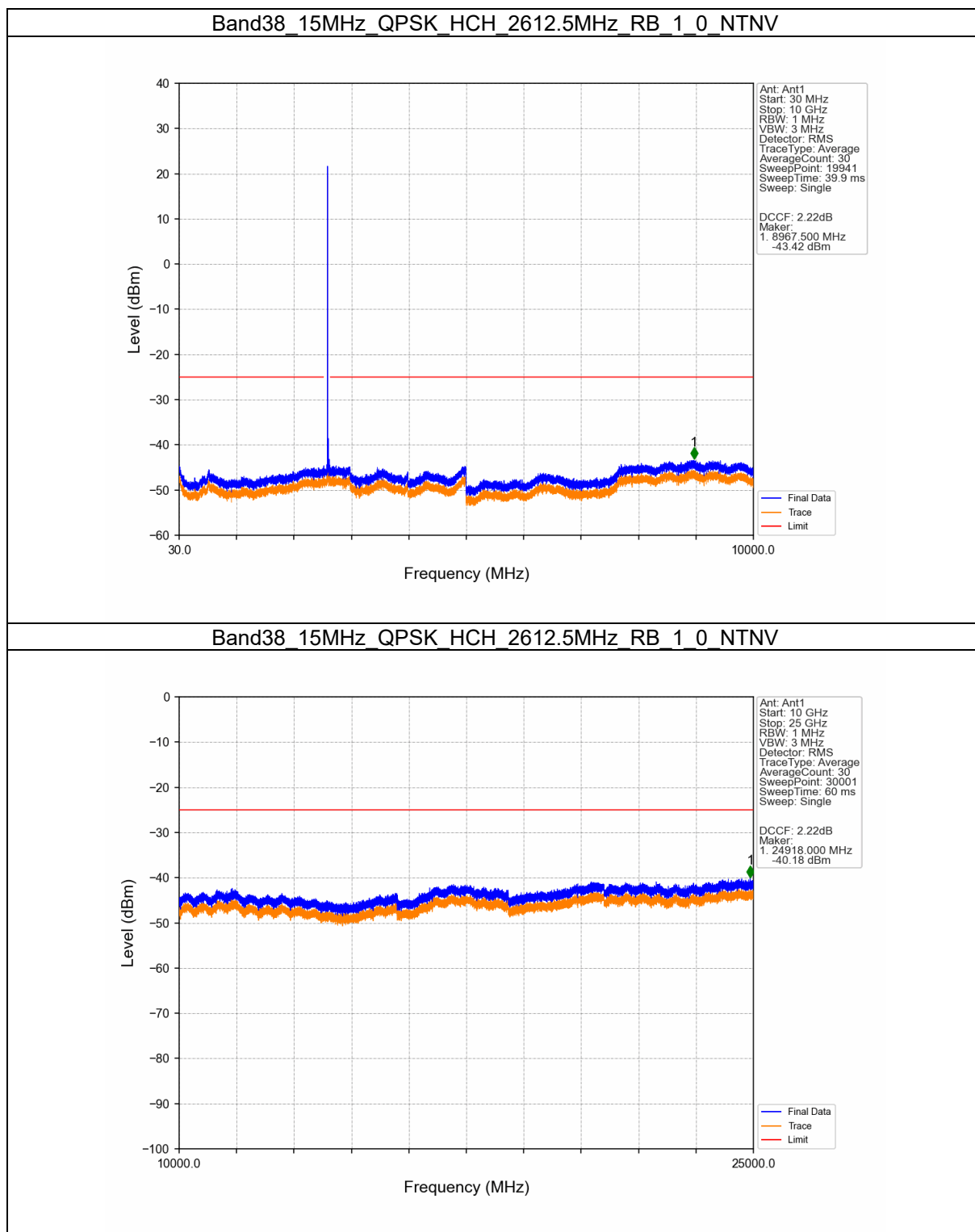


Test Report No.: RF260703B003





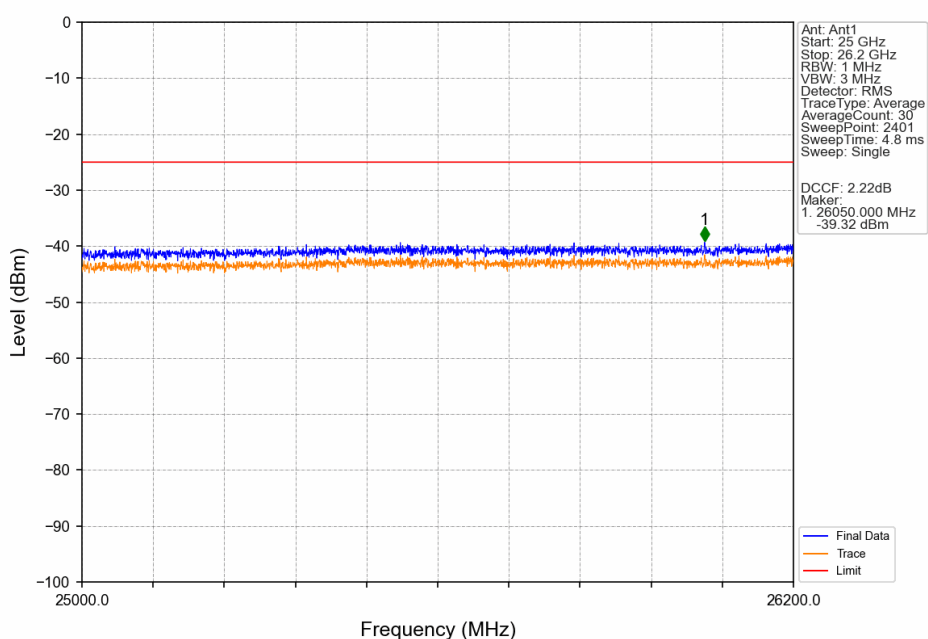
Test Report No.: RF260703B003



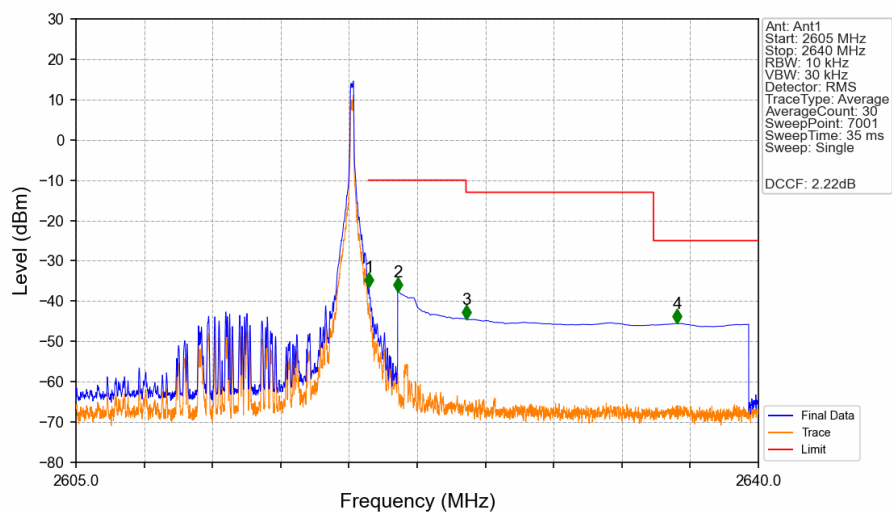


Test Report No.: RF260703B003

Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV

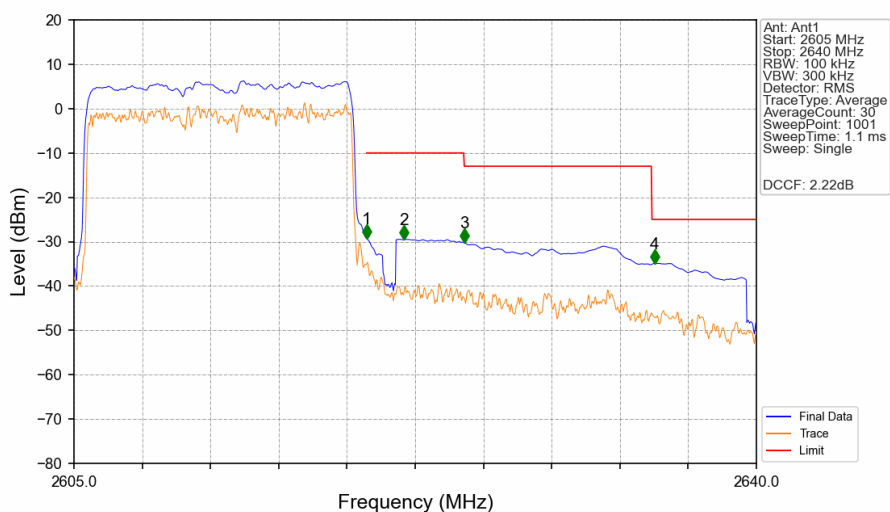


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.025	-36.50	-10	Pass
2621	2625	1	CHP	2	2621.510	-37.59	-10	Pass
2625	2634.618	1	CHP	3	2625.020	-44.43	-13	Pass
2634.618	2640	1	CHP	4	2635.835	-45.53	-25	Pass



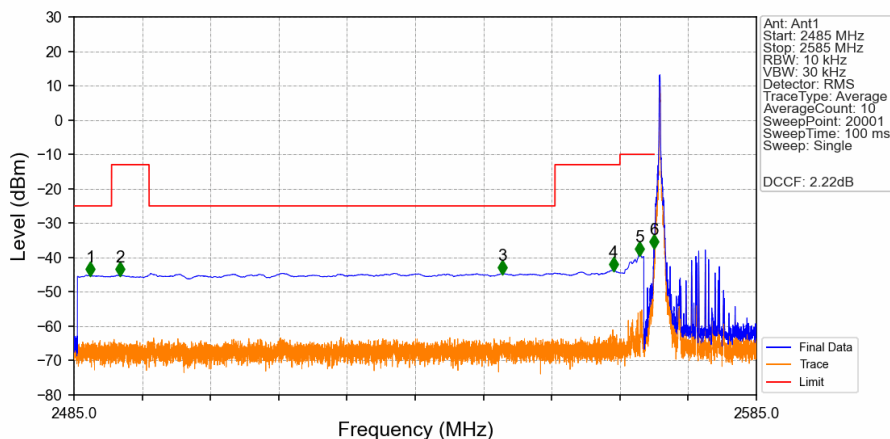
Test Report No.: RF260703B003

Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.292	CHP	/	/	/	/	/
2620	2621	0.292	CHP	1	2620.015	-29.29	-10	Pass
2621	2625	1	CHP	2	2621.940	-29.45	-10	Pass
2625	2634.618	1	CHP	3	2625.020	-30.24	-13	Pass
2634.618	2640	1	CHP	4	2634.785	-34.88	-25	Pass

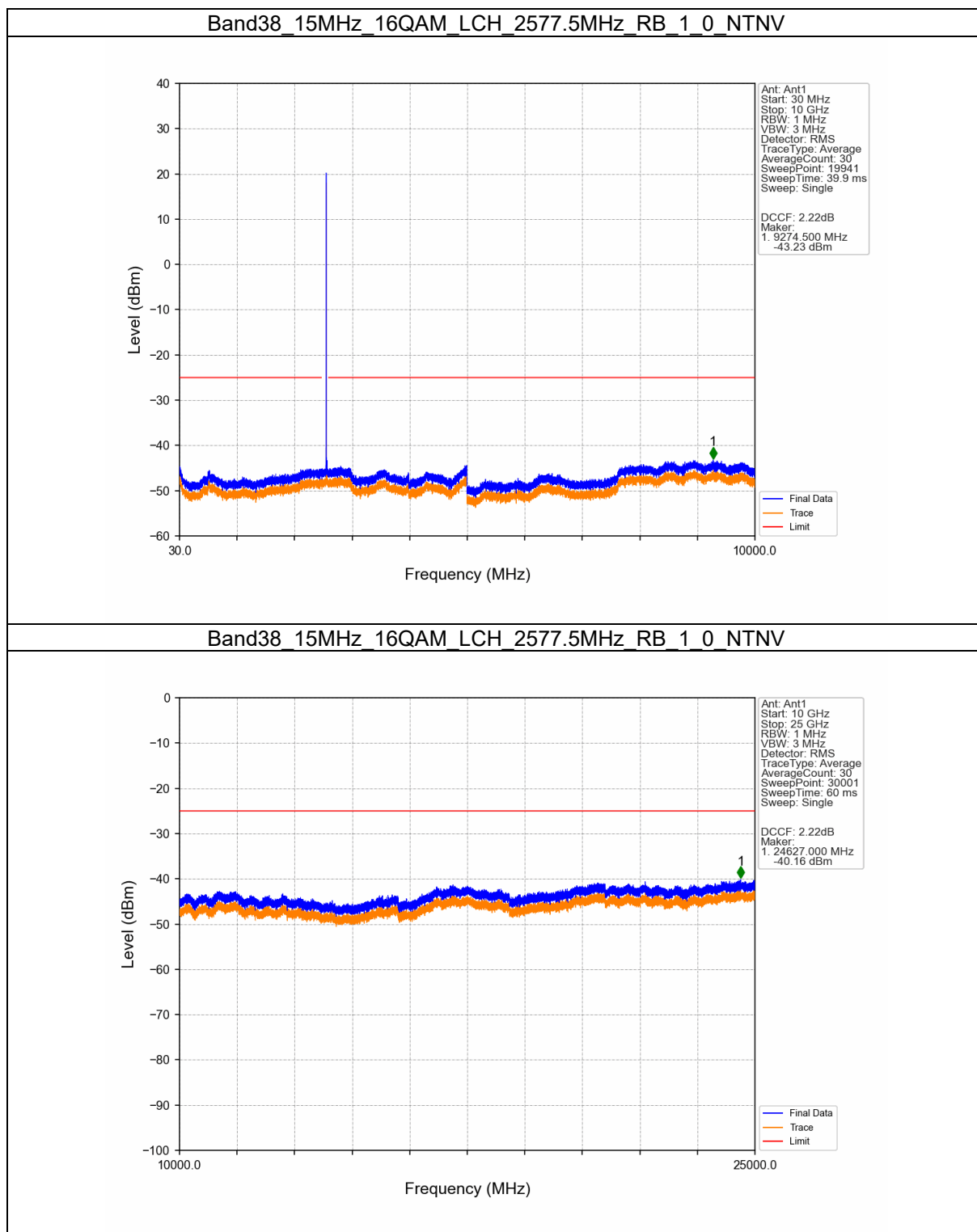
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.410	-45.10	-25	Pass
2490.5	2496	1	CHP	2	2491.735	-45.12	-13	Pass
2496	2555.476	1	CHP	3	2547.725	-44.56	-25	Pass
2555.476	2565	1	CHP	4	2564.040	-43.64	-13	Pass
2565	2569	1	CHP	5	2567.805	-39.16	-10	Pass
2569	2570	0.02	CHP	6	2569.990	-37.15	-10	Pass
2570	2585	0.02	CHP	/	/	/	/	/



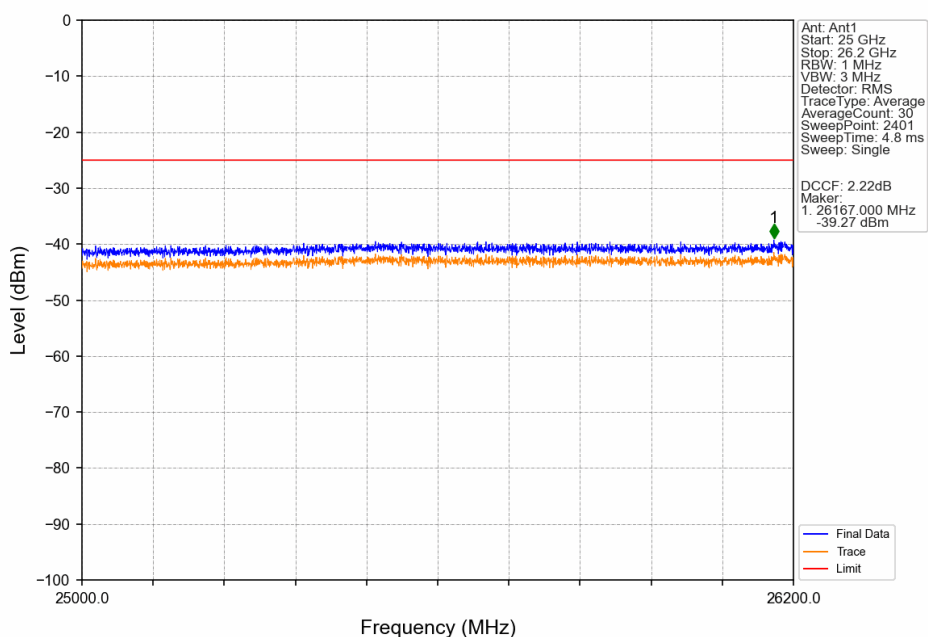
Test Report No.: RF260703B003



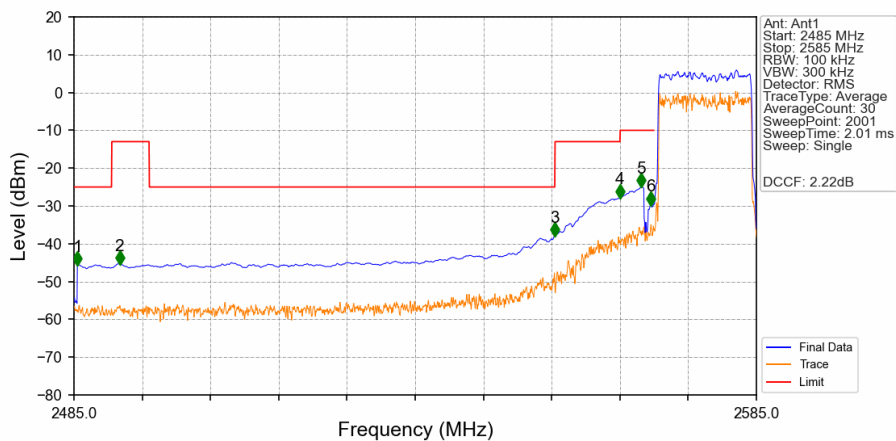


Test Report No.: RF260703B003

Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV

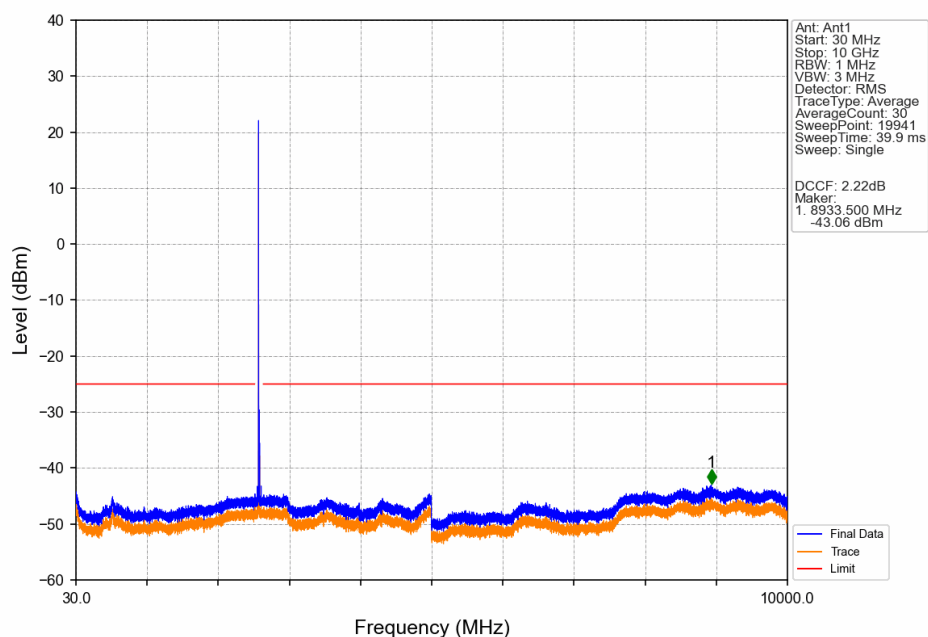


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.500	-45.53	-25	Pass
2490.5	2496	1	CHP	2	2491.700	-45.30	-13	Pass
2496	2555.476	1	CHP	3	2555.450	-37.81	-25	Pass
2555.476	2565	1	CHP	4	2565.000	-27.66	-13	Pass
2565	2569	1	CHP	5	2568.100	-24.83	-10	Pass
2569	2570	0.29	CHP	6	2569.550	-29.56	-10	Pass
2570	2585	0.29	CHP	/	/	/	/	/

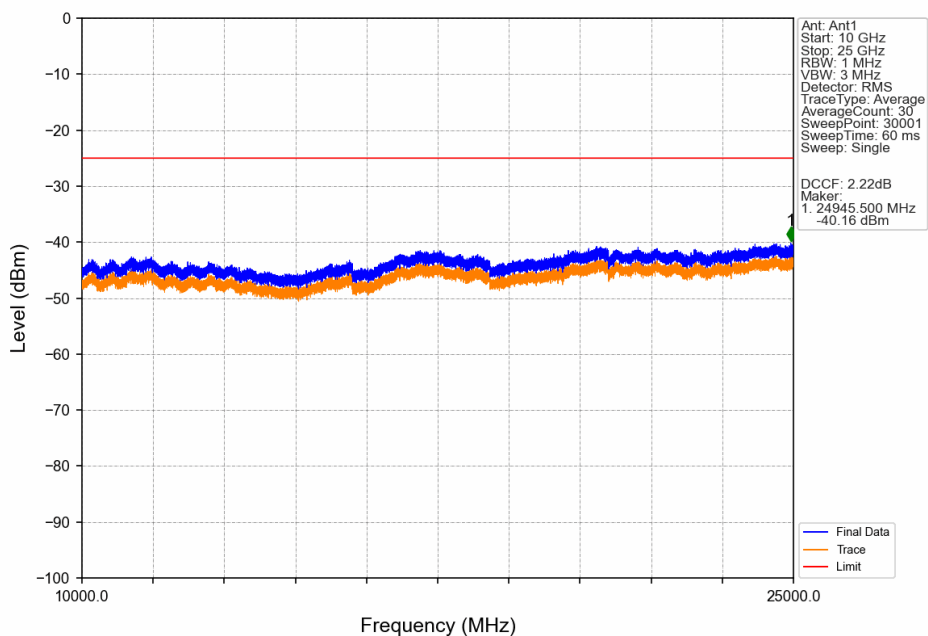


Test Report No.: RF260703B003

Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV

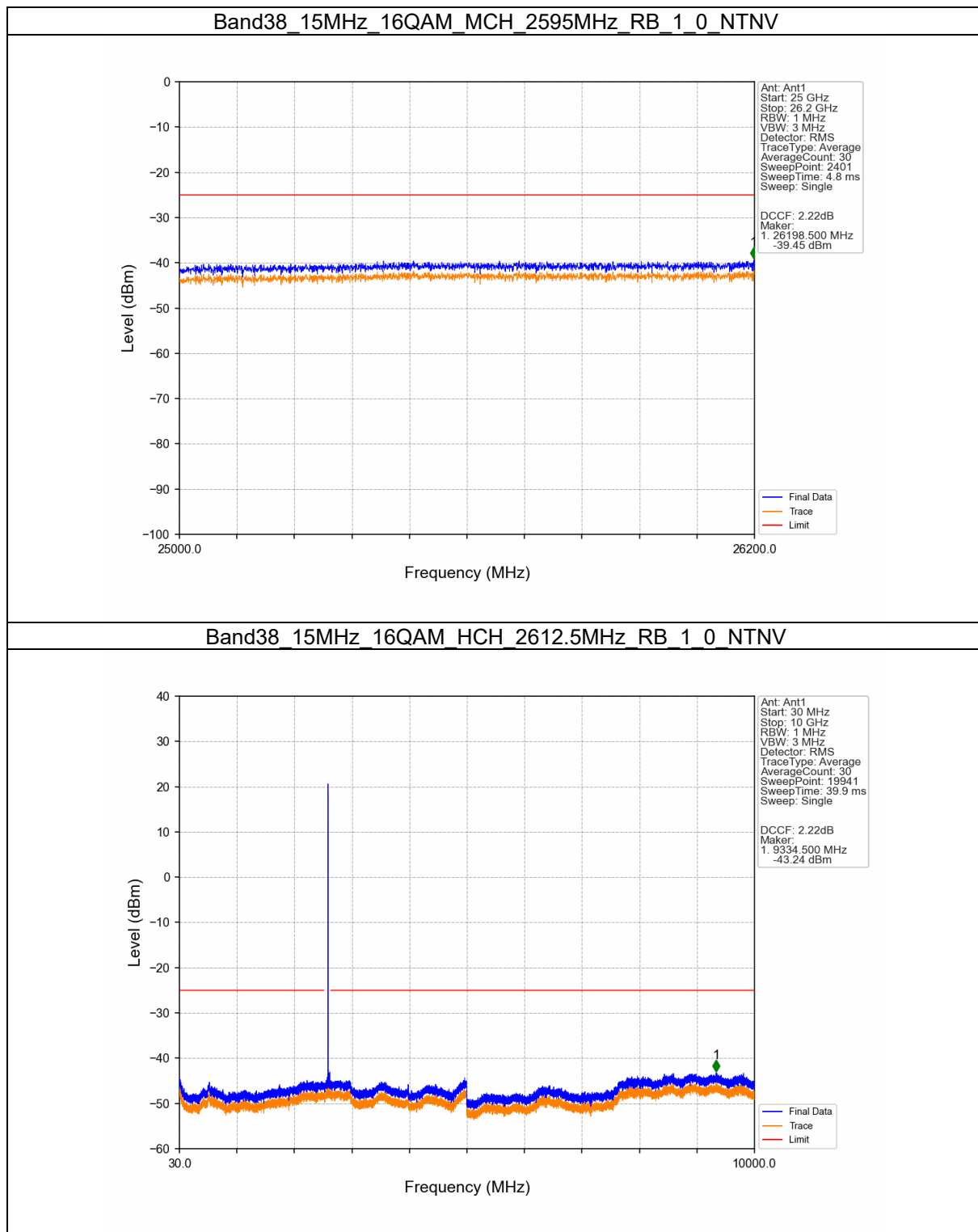


Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



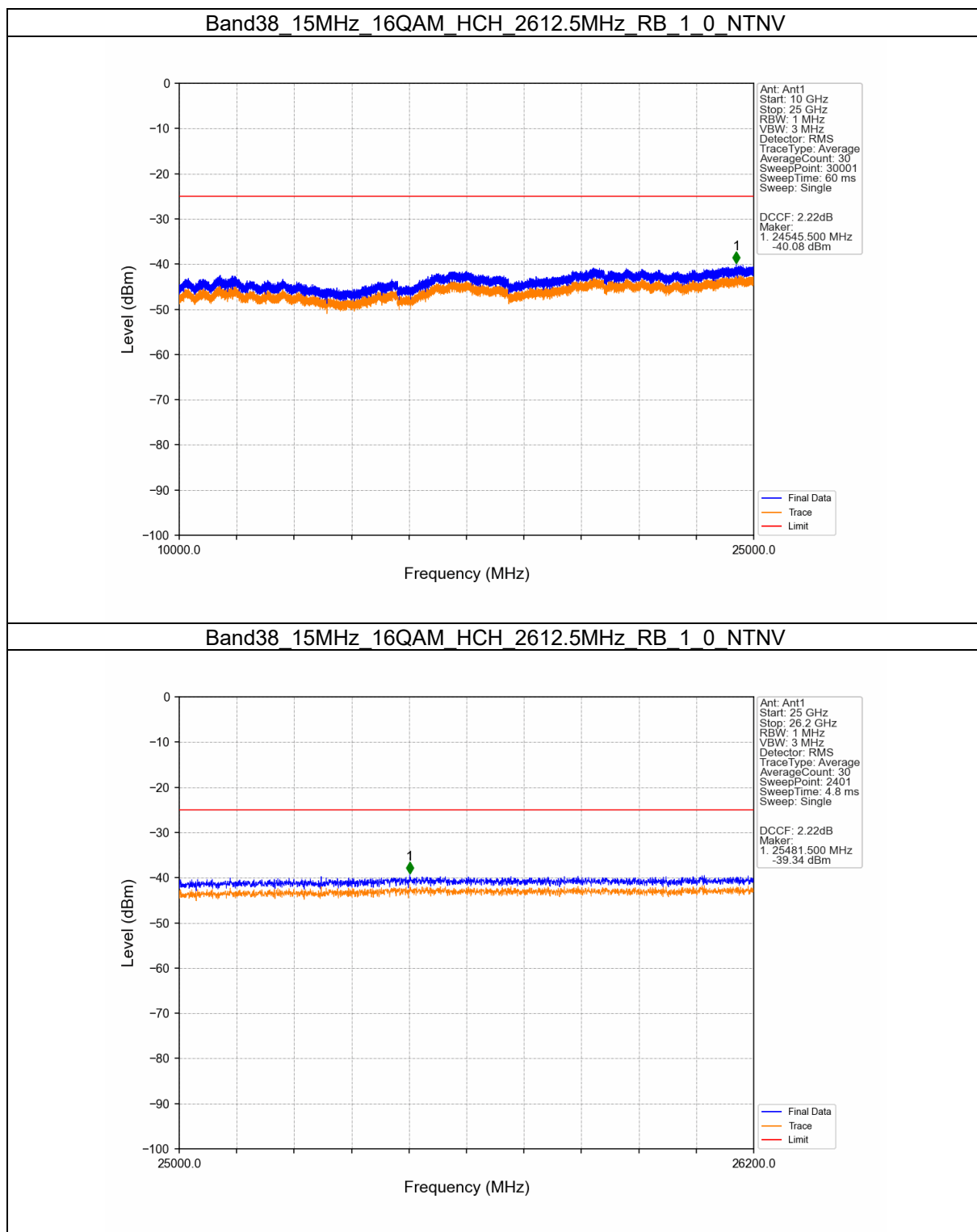


Test Report No.: RF260703B003





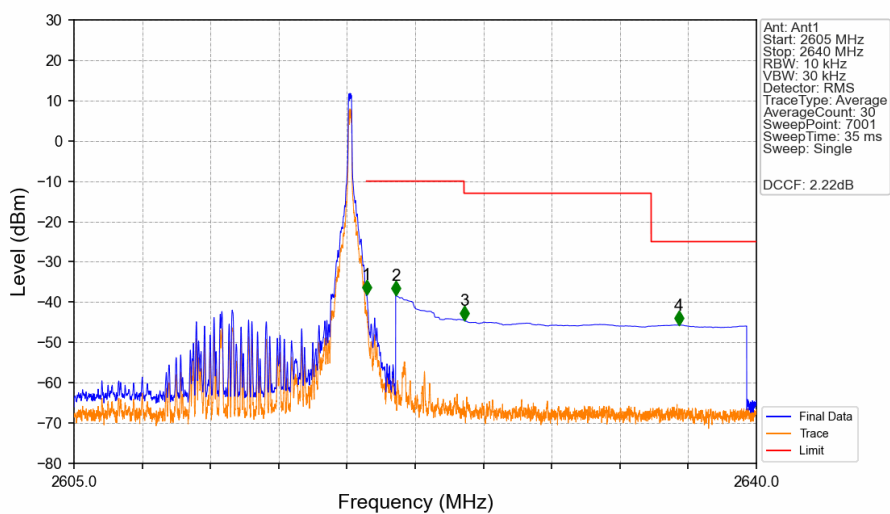
Test Report No.: RF260703B003





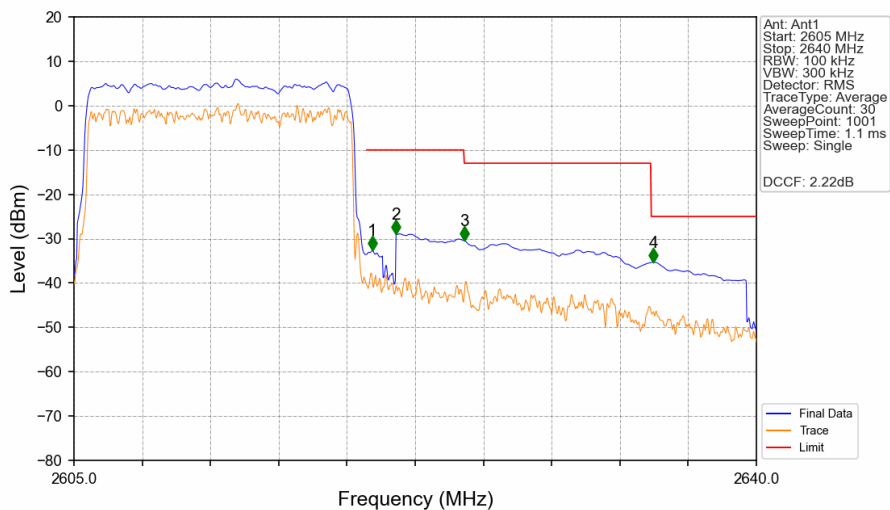
Test Report No.: RF260703B003

Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.010	-38.10	-10	Pass
2621	2625	1	CHP	2	2621.515	-38.31	-10	Pass
2625	2634.602	1	CHP	3	2625.005	-44.51	-13	Pass
2634.602	2640	1	CHP	4	2636.030	-45.67	-25	Pass

Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV

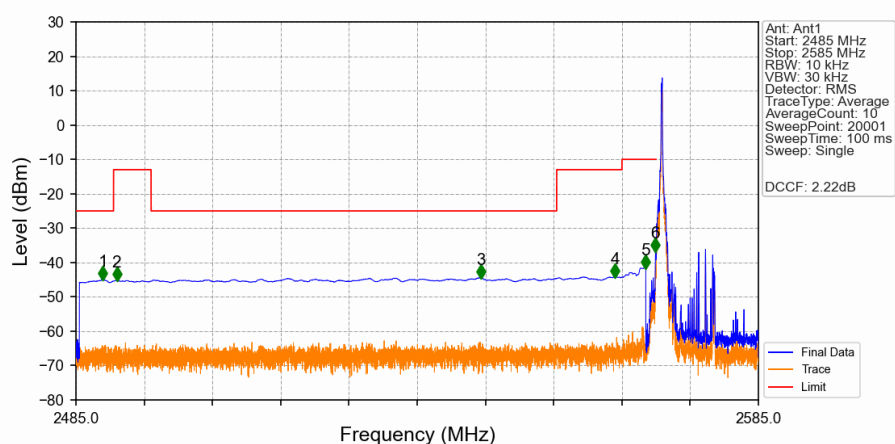


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.292	CHP	/	/	/	/	/
2620	2621	0.292	CHP	1	2620.295	-32.65	-10	Pass
2621	2625	1	CHP	2	2621.520	-28.90	-10	Pass
2625	2634.602	1	CHP	3	2625.020	-30.45	-13	Pass
2634.602	2640	1	CHP	4	2634.715	-35.30	-25	Pass



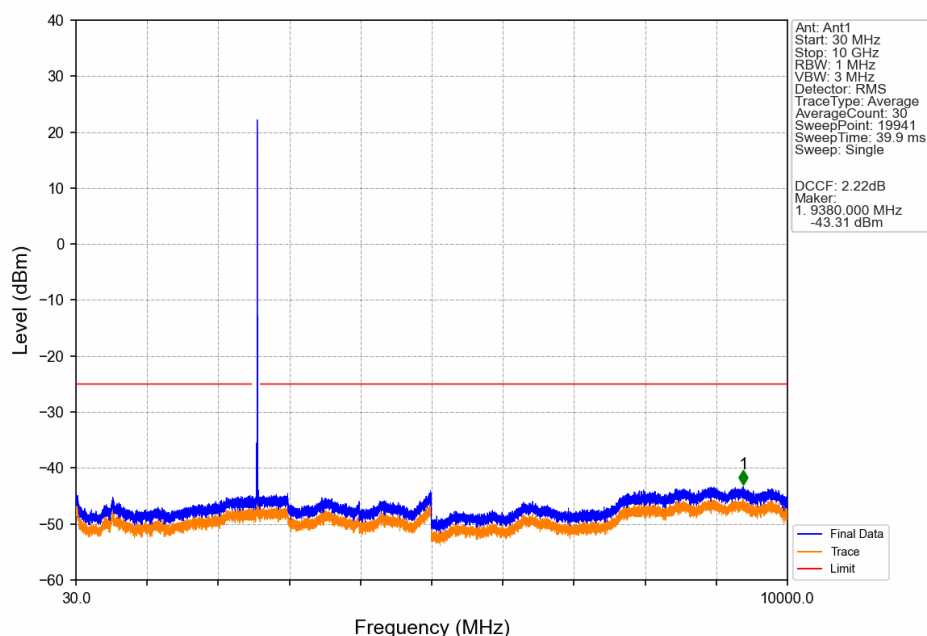
Test Report No.: RF260703B003

Band38_15MHz_64QAM_LCH_2577.5MHz_RB_1_0_NTNV



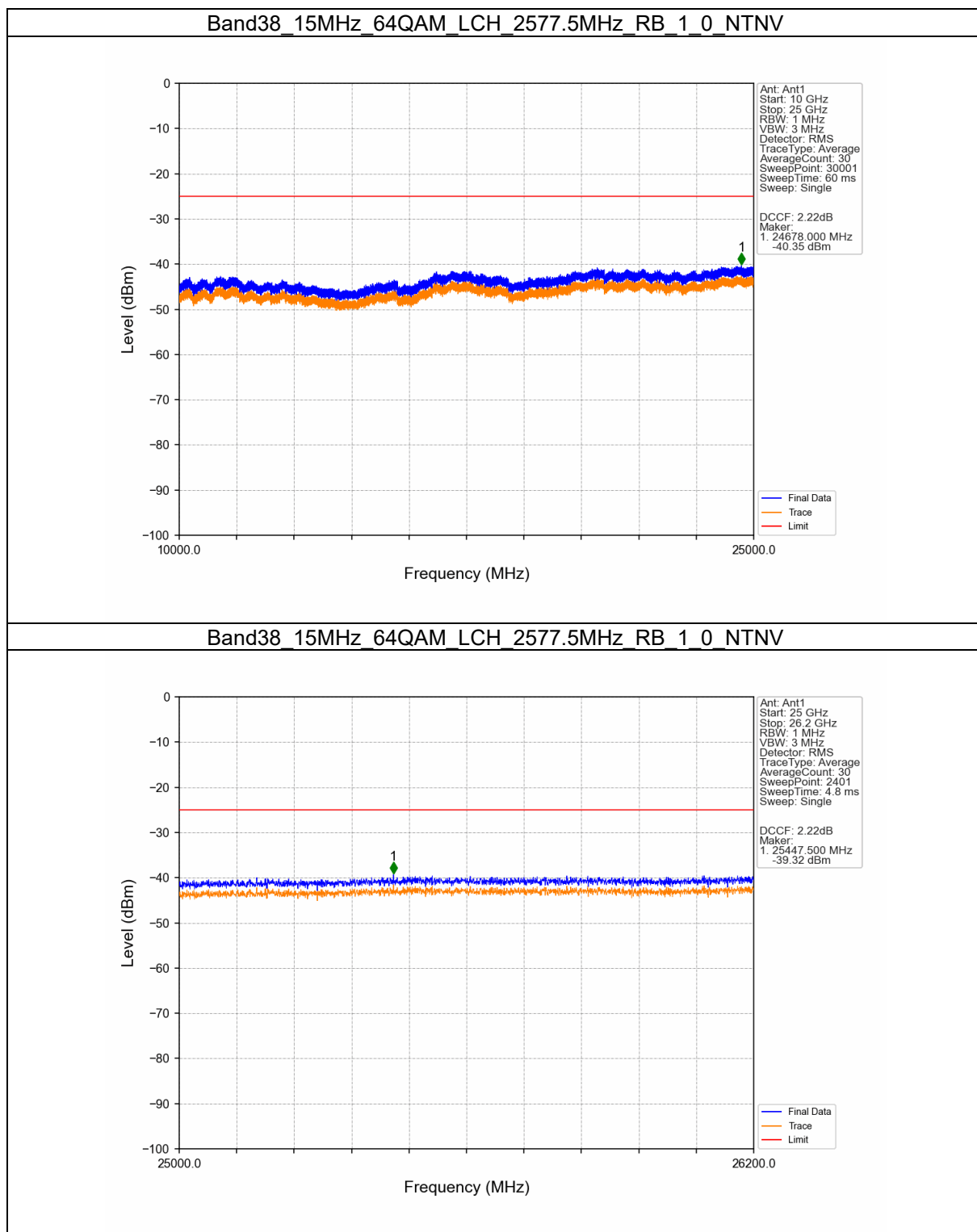
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.920	-44.92	-25	Pass
2490.5	2496	1	CHP	2	2490.975	-45.08	-13	Pass
2496	2555.437	1	CHP	3	2544.300	-44.38	-25	Pass
2555.437	2565	1	CHP	4	2564.005	-44.15	-13	Pass
2565	2569	1	CHP	5	2568.480	-41.51	-10	Pass
2569	2570	0.02	CHP	6	2569.925	-36.71	-10	Pass
2570	2585	0.02	CHP	/	/	/	/	/

Band38_15MHz_64QAM_LCH_2577.5MHz_RB_1_0_NTNV





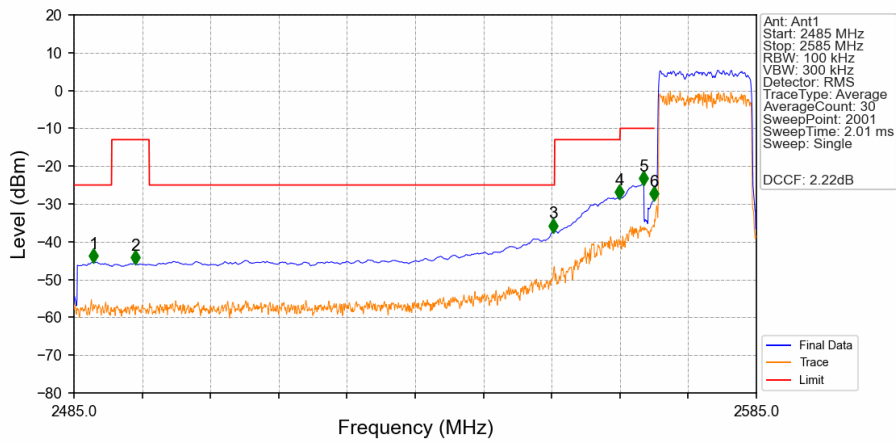
Test Report No.: RF260703B003





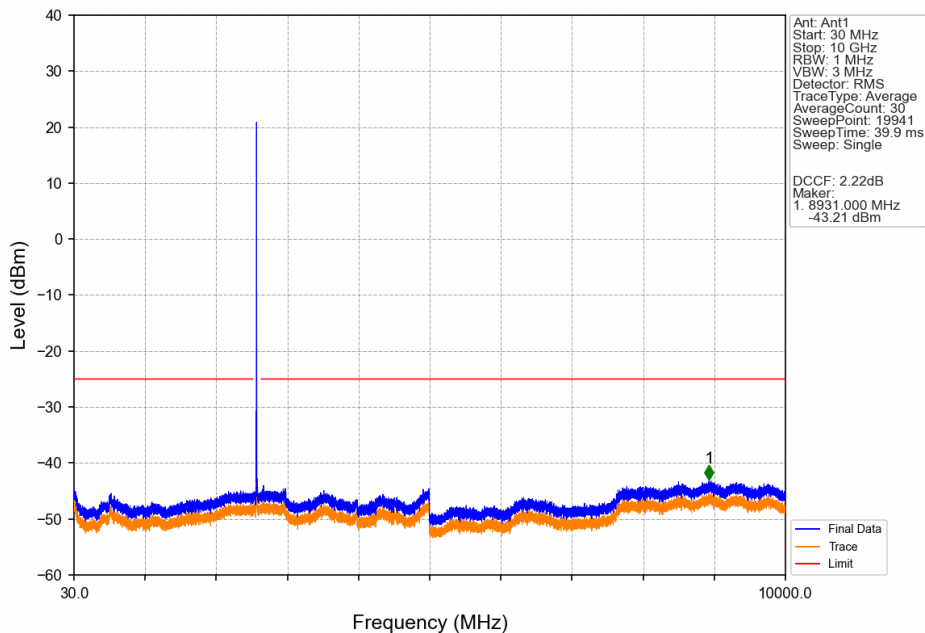
Test Report No.: RF260703B003

Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



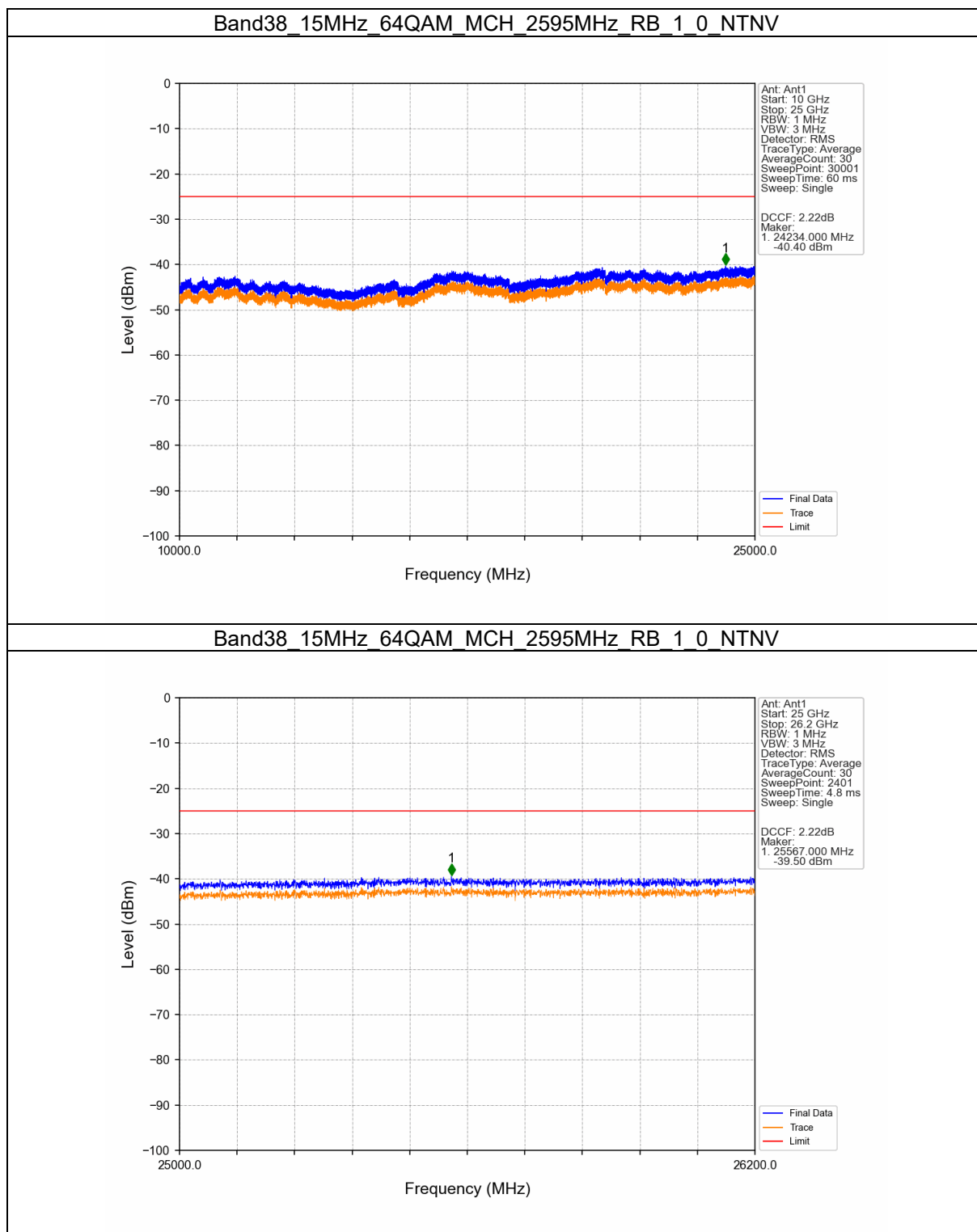
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.850	-45.25	-25	Pass
2490.5	2496	1	CHP	2	2493.950	-45.75	-13	Pass
2496	2555.437	1	CHP	3	2555.200	-37.30	-25	Pass
2555.437	2565	1	CHP	4	2564.950	-28.36	-13	Pass
2565	2569	1	CHP	5	2568.450	-24.75	-10	Pass
2569	2570	0.291	CHP	6	2569.950	-28.80	-10	Pass
2570	2585	0.291	CHP	/	/	/	/	/

Band38_15MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV



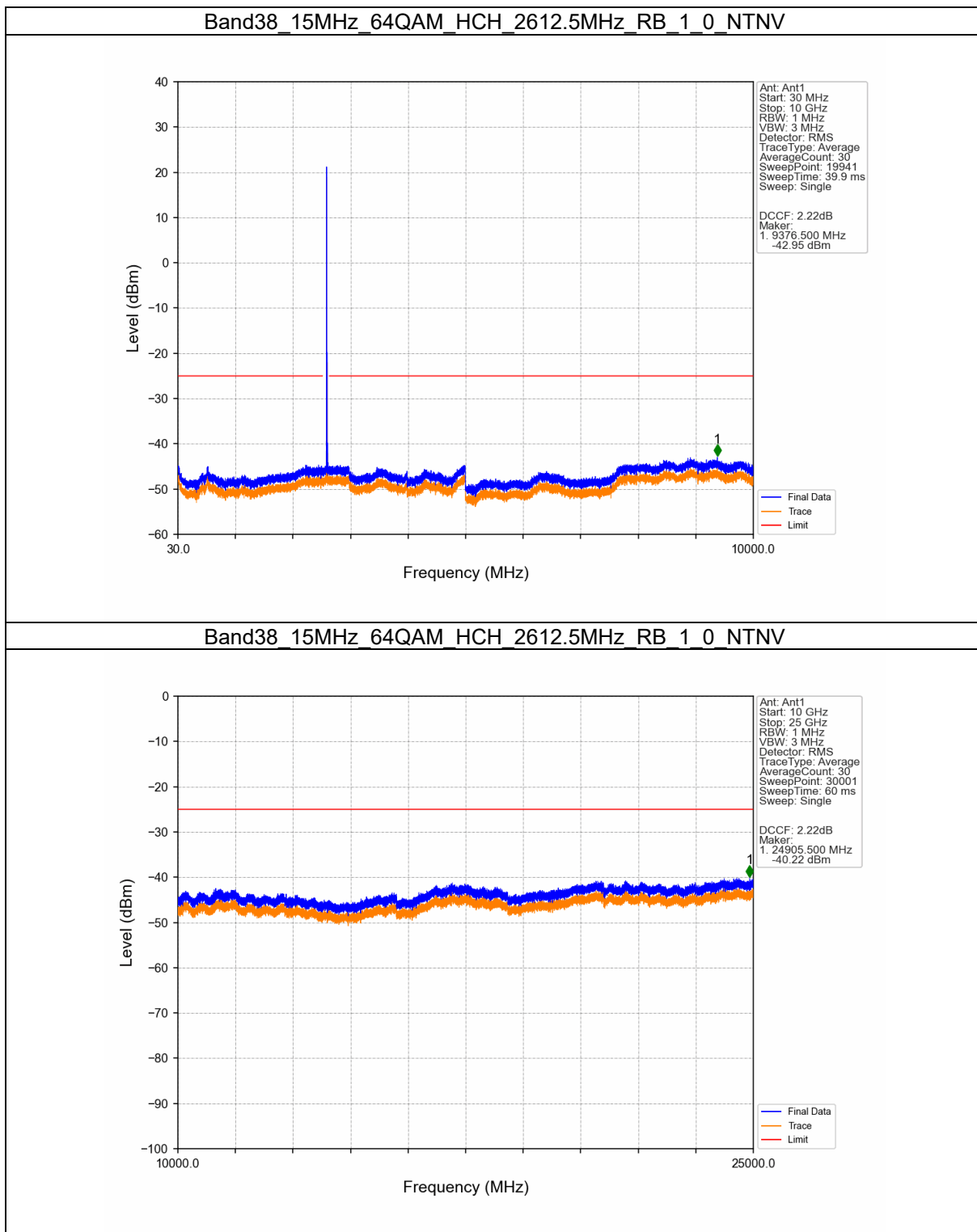


Test Report No.: RF260703B003



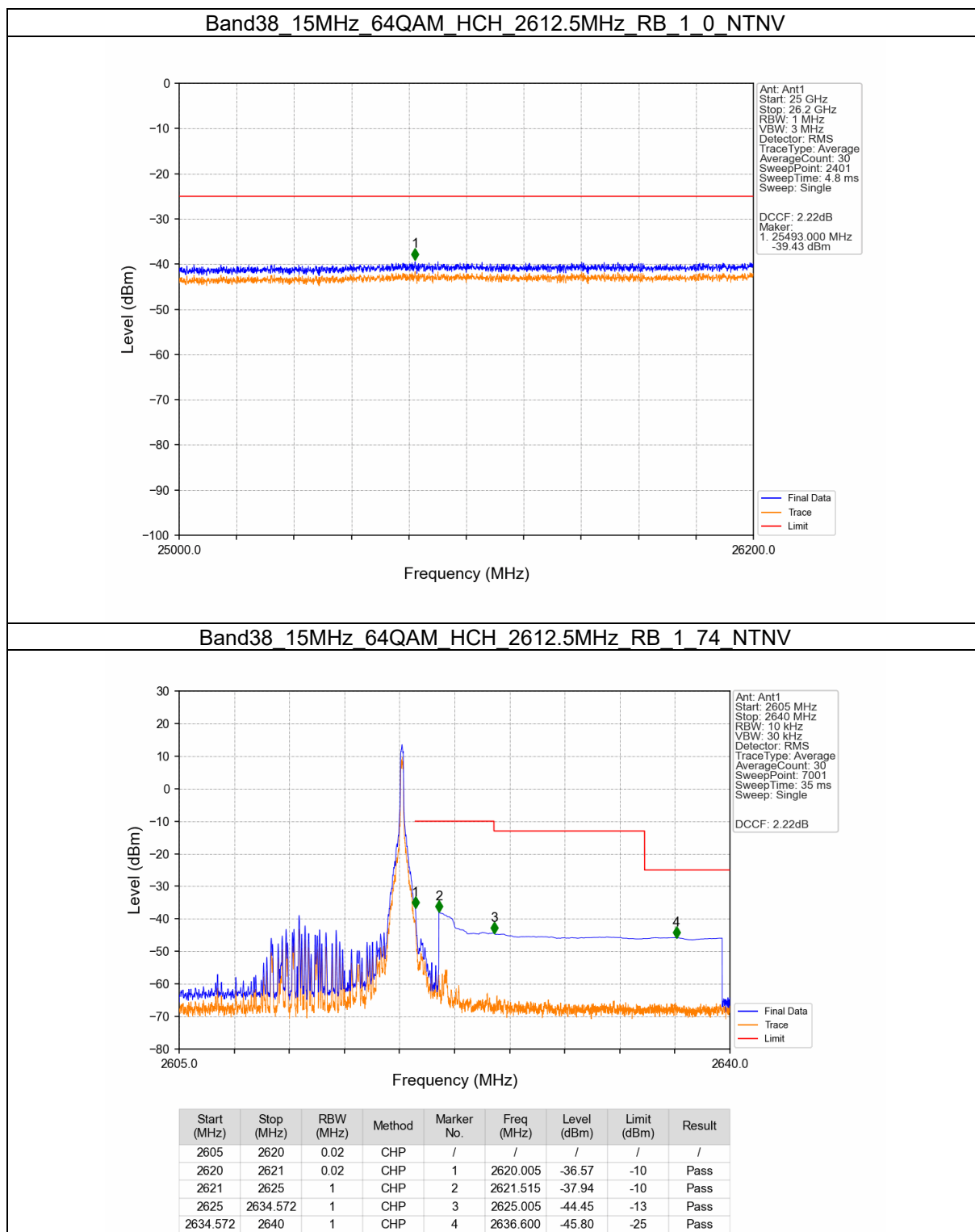


Test Report No.: RF260703B003



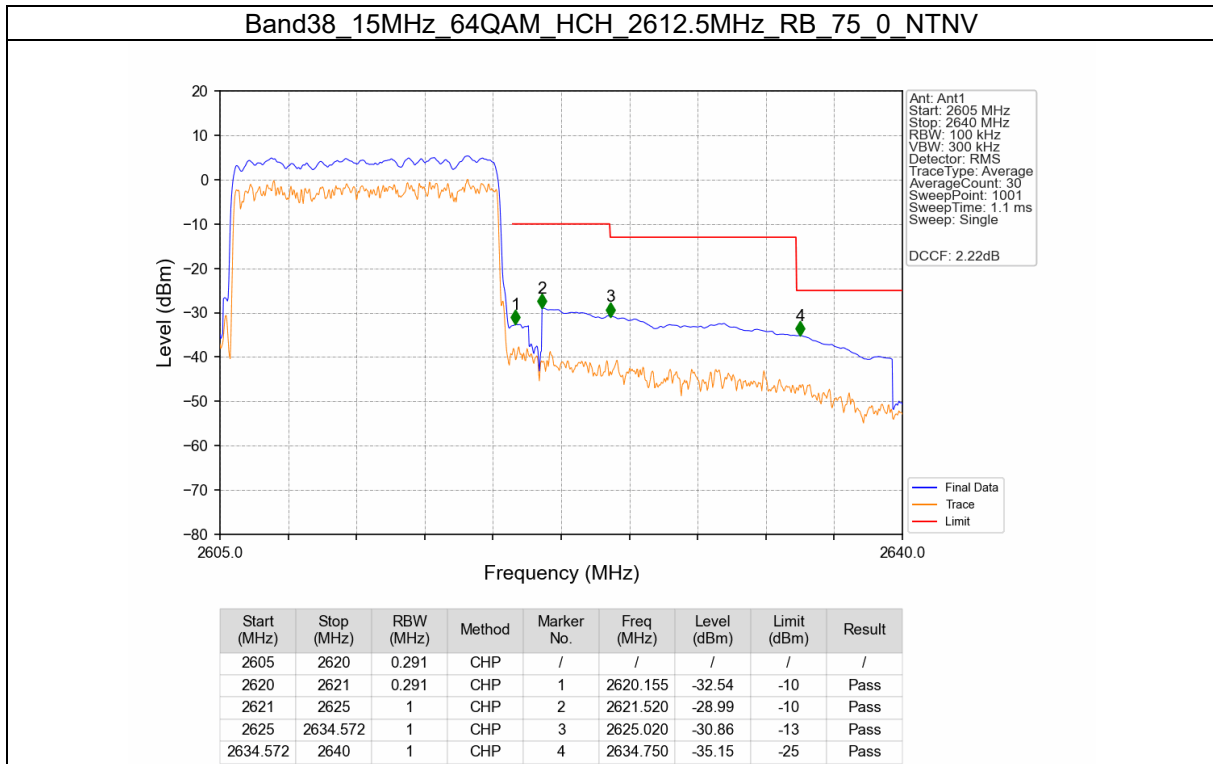


Test Report No.: RF260703B003





Test Report No.: RF260703B003

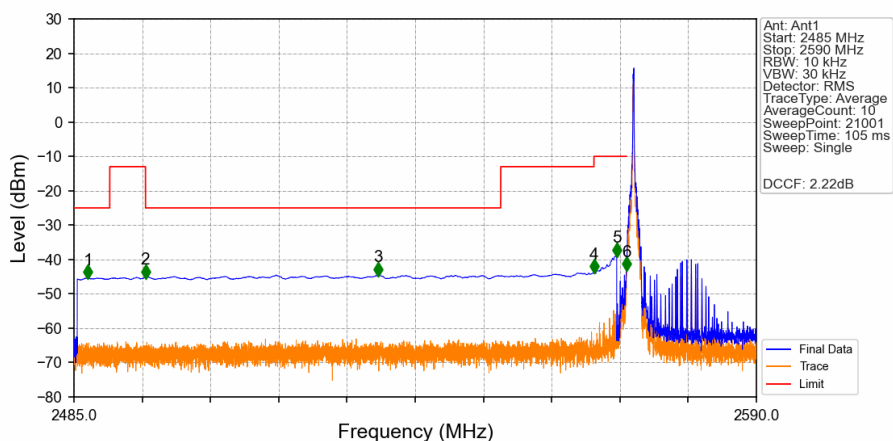




Test Report No.: RF260703B003

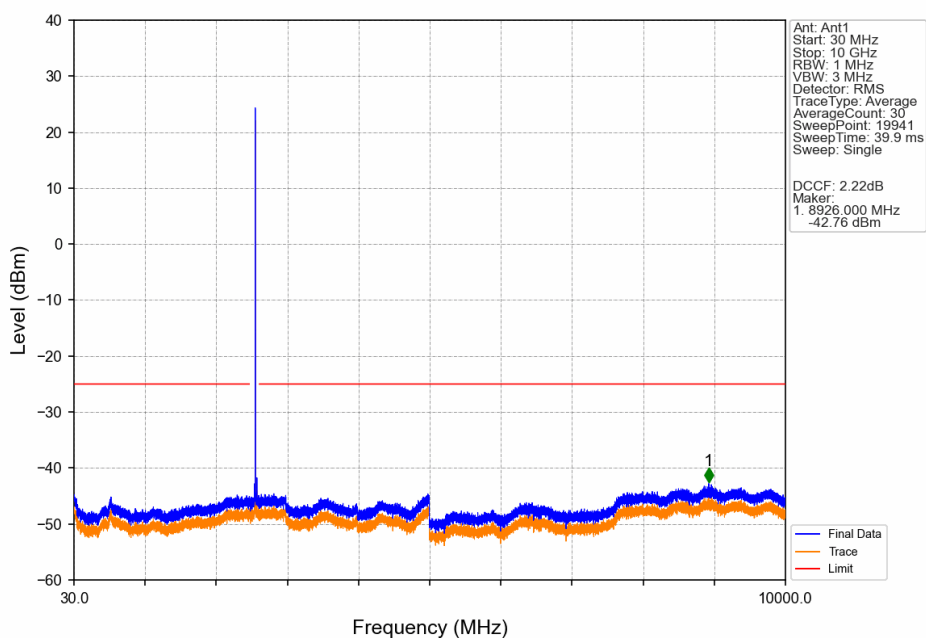
B38_20MHz

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



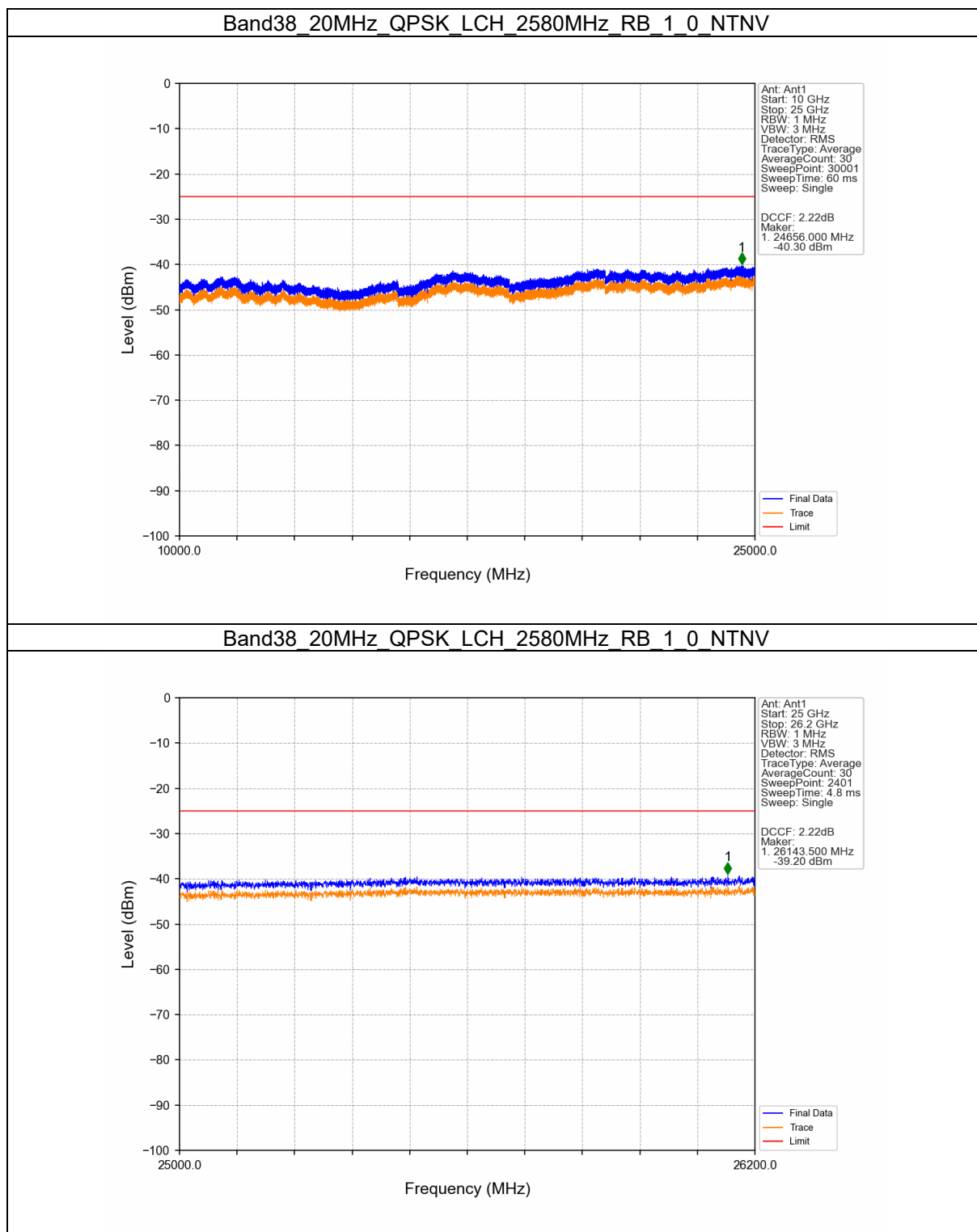
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.155	-45.28	-25	Pass
2490.5	2496	1	CHP	2	2495.995	-45.20	-13	Pass
2496	2550.655	1	CHP	3	2531.805	-44.49	-25	Pass
2550.655	2565	1	CHP	4	2565.000	-43.72	-13	Pass
2565	2569	1	CHP	5	2568.500	-38.88	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-42.95	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV





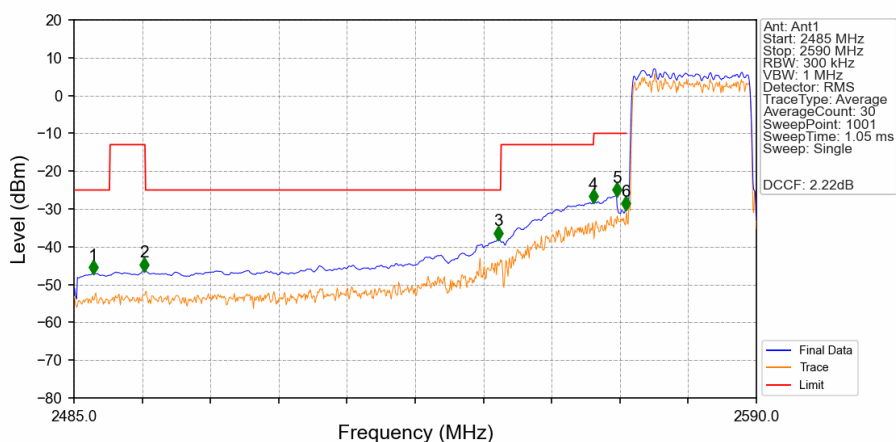
Test Report No.: RF260703B003





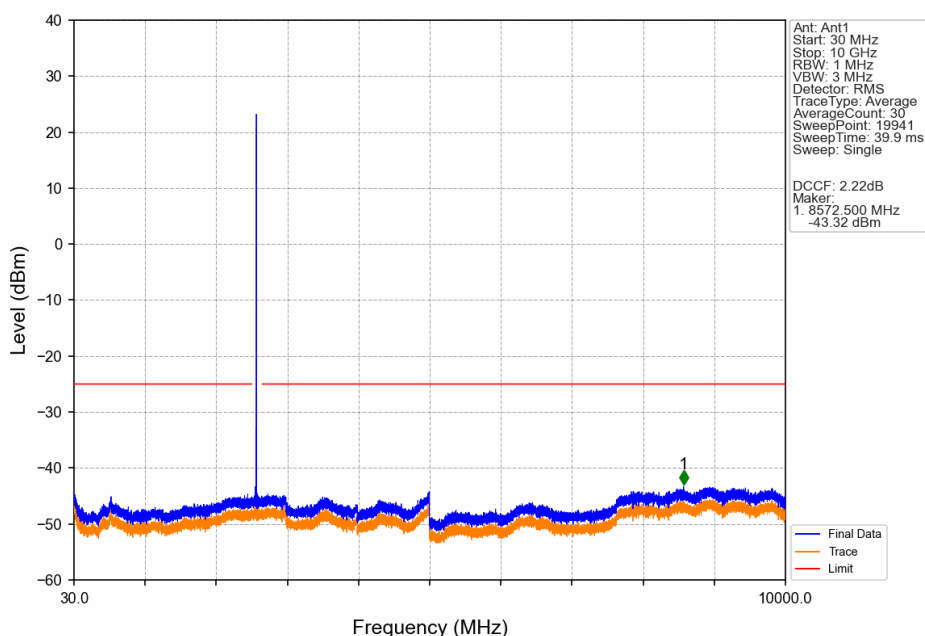
Test Report No.: RF260703B003

Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



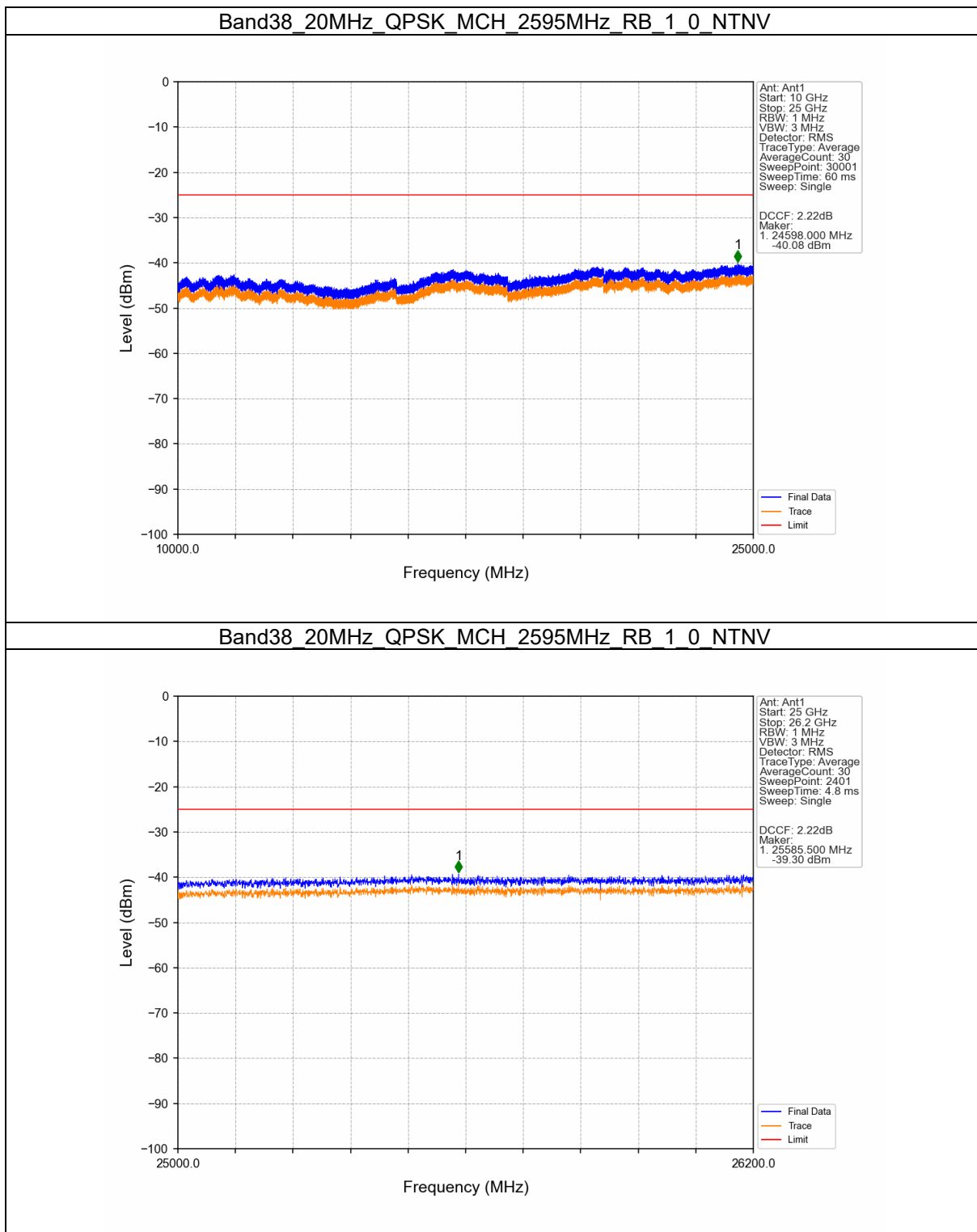
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.940	-46.98	-25	Pass
2490.5	2496	1	CHP	2	2495.815	-46.23	-13	Pass
2496	2550.655	1	CHP	3	2550.310	-37.91	-25	Pass
2550.655	2565	1	CHP	4	2564.905	-28.20	-13	Pass
2565	2569	1	CHP	5	2568.475	-26.44	-10	Pass
2569	2570	0.387	CHP	6	2569.945	-30.11	-10	Pass
2570	2590	0.387	CHP	/	/	/	/	/

Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV





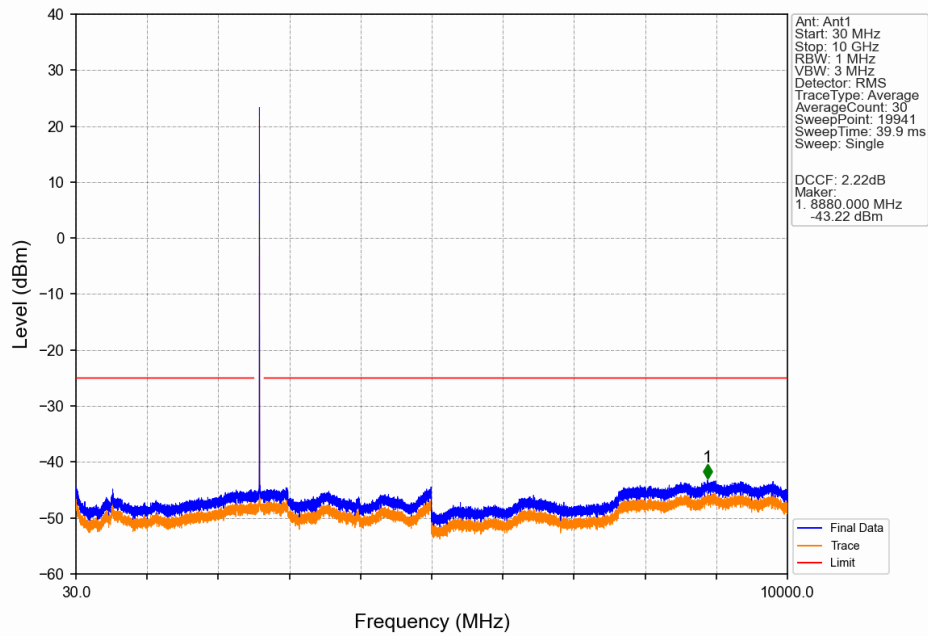
Test Report No.: RF260703B003



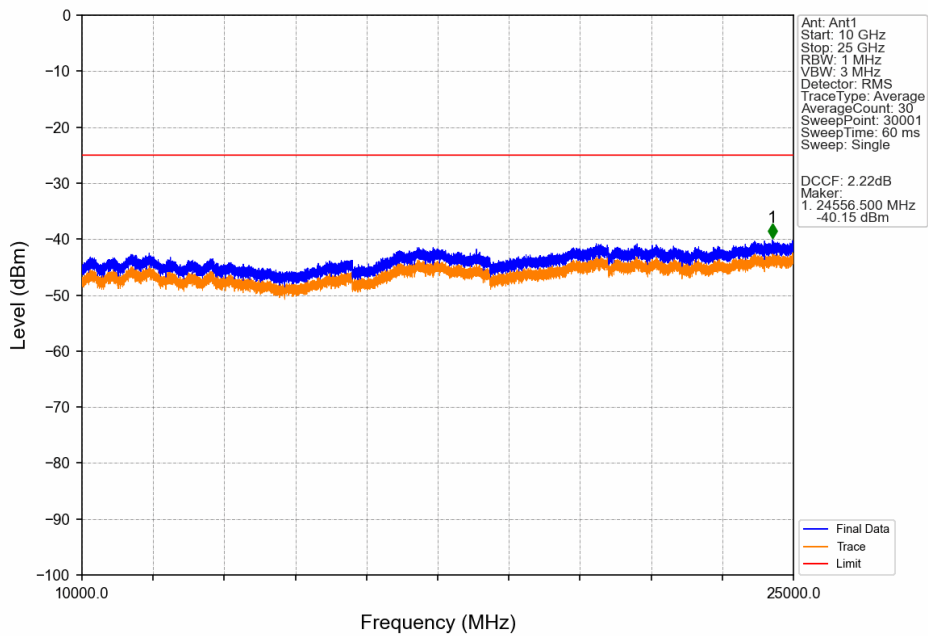


Test Report No.: RF260703B003

Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV

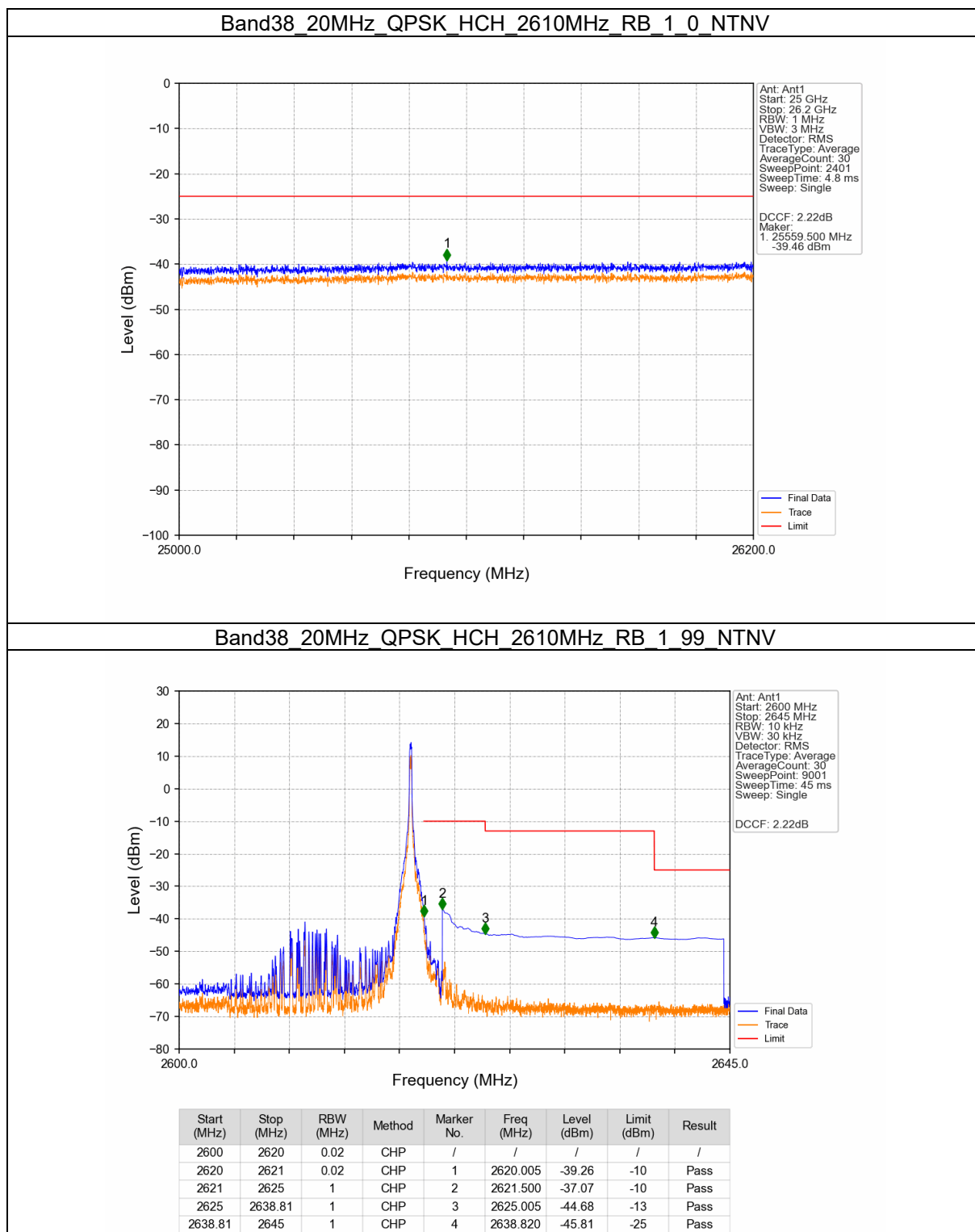


Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV





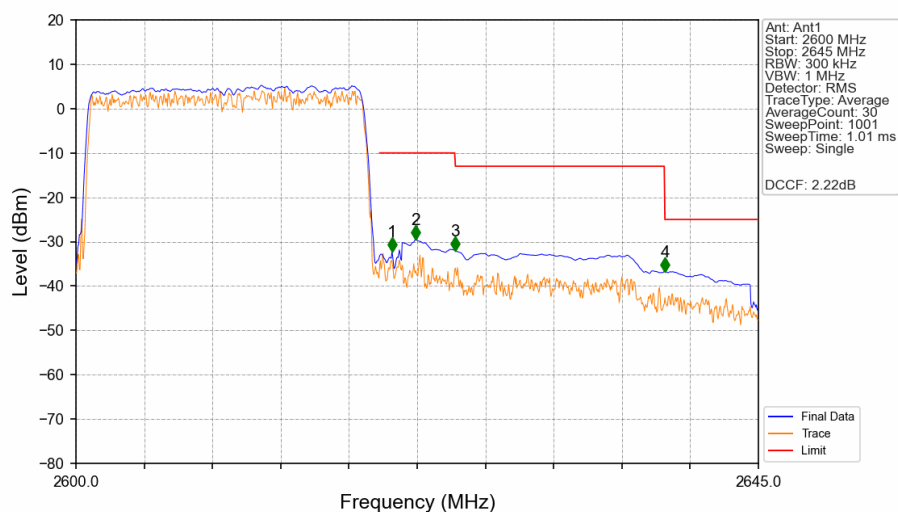
Test Report No.: RF260703B003





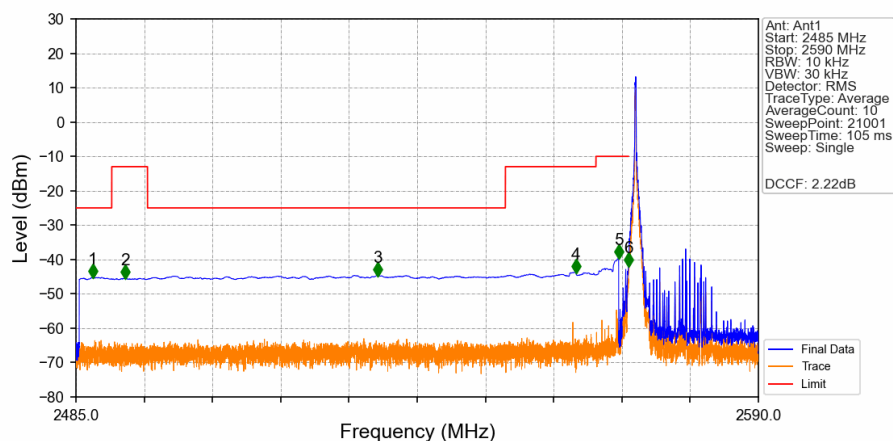
Test Report No.: RF260703B003

Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.376	CHP	/	/	/	/	/
2620	2621	0.376	CHP	1	2620.835	-32.15	-10	Pass
2621	2625	1	CHP	2	2622.410	-29.56	-10	Pass
2625	2638.81	1	CHP	3	2625.020	-32.03	-13	Pass
2638.81	2645	1	CHP	4	2638.835	-36.70	-25	Pass

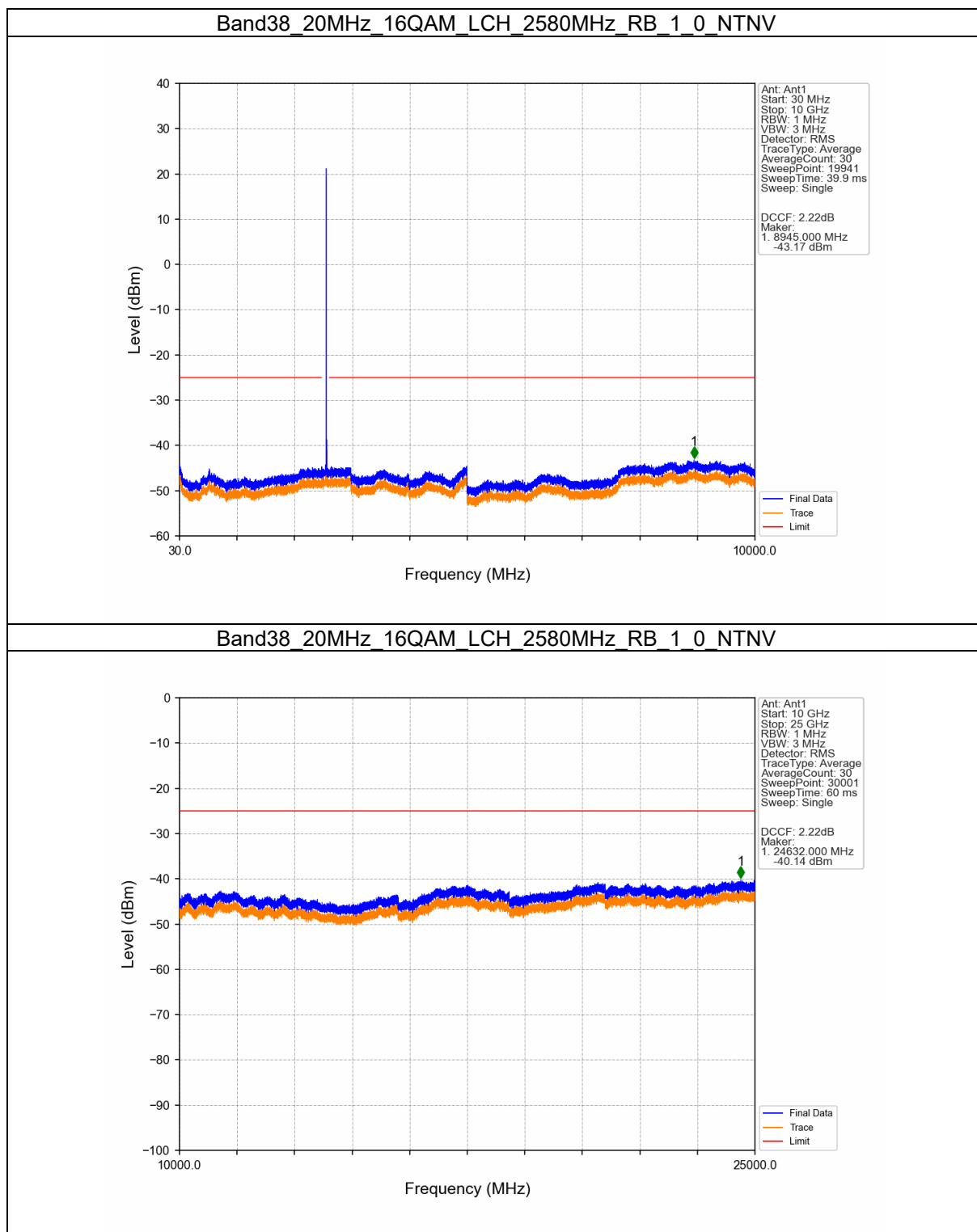
Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.590	-45.16	-25	Pass
2490.5	2496	1	CHP	2	2492.540	-45.42	-13	Pass
2496	2551.067	1	CHP	3	2531.435	-44.58	-25	Pass
2551.067	2565	1	CHP	4	2561.915	-43.71	-13	Pass
2565	2569	1	CHP	5	2568.500	-39.49	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-41.82	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/



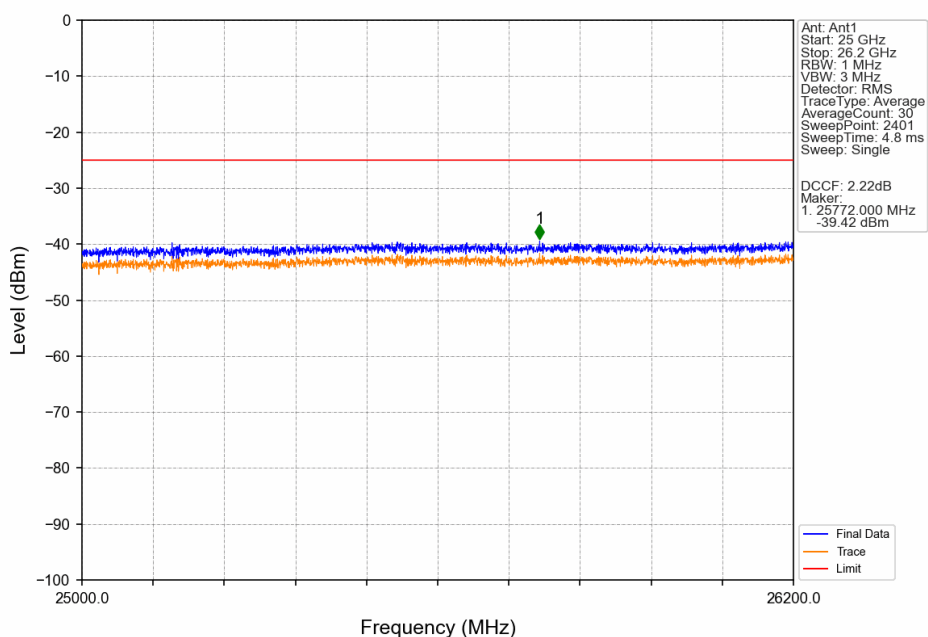
Test Report No.: RF260703B003



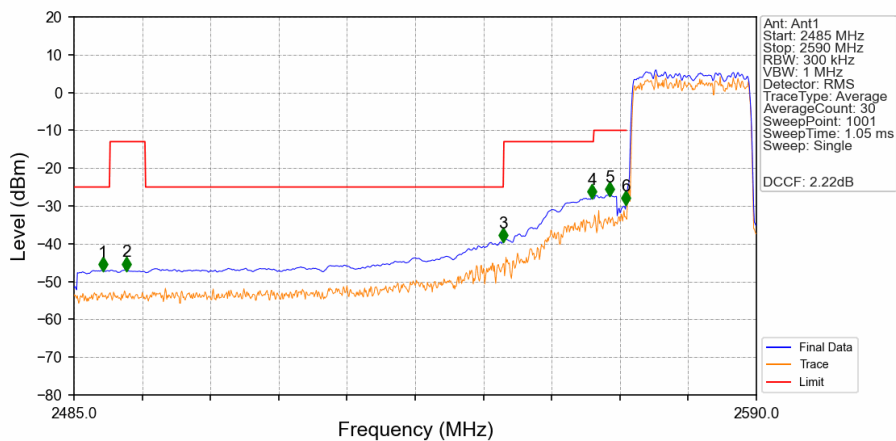


Test Report No.: RF260703B003

Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



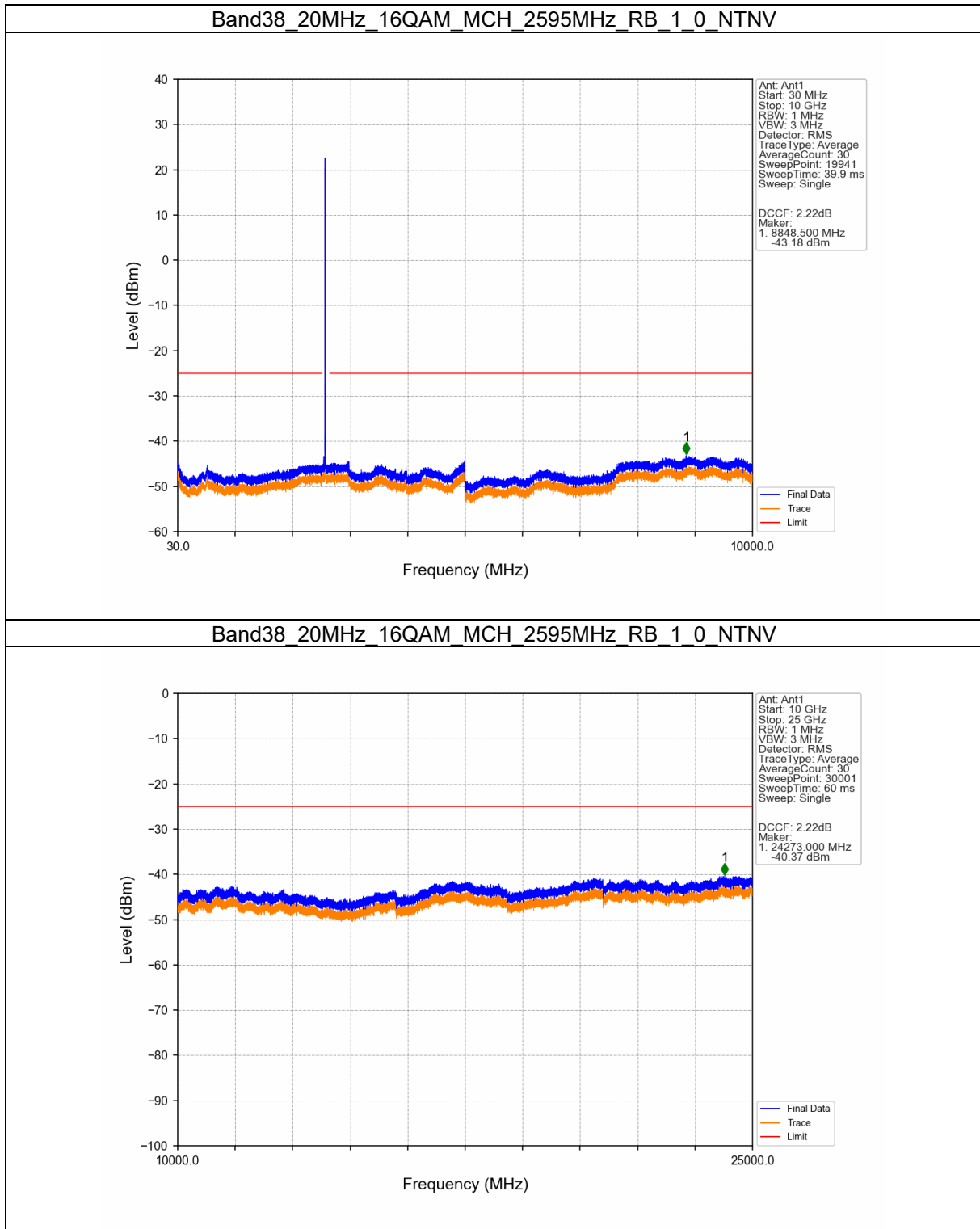
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.410	-47.05	-25	Pass
2490.5	2496	1	CHP	2	2493.085	-46.86	-13	Pass
2496	2551.067	1	CHP	3	2551.045	-39.28	-25	Pass
2551.067	2565	1	CHP	4	2564.695	-27.80	-13	Pass
2565	2569	1	CHP	5	2567.425	-27.10	-10	Pass
2569	2570	0.379	CHP	6	2569.945	-29.43	-10	Pass
2570	2590	0.379	CHP	/	/	/	/	/

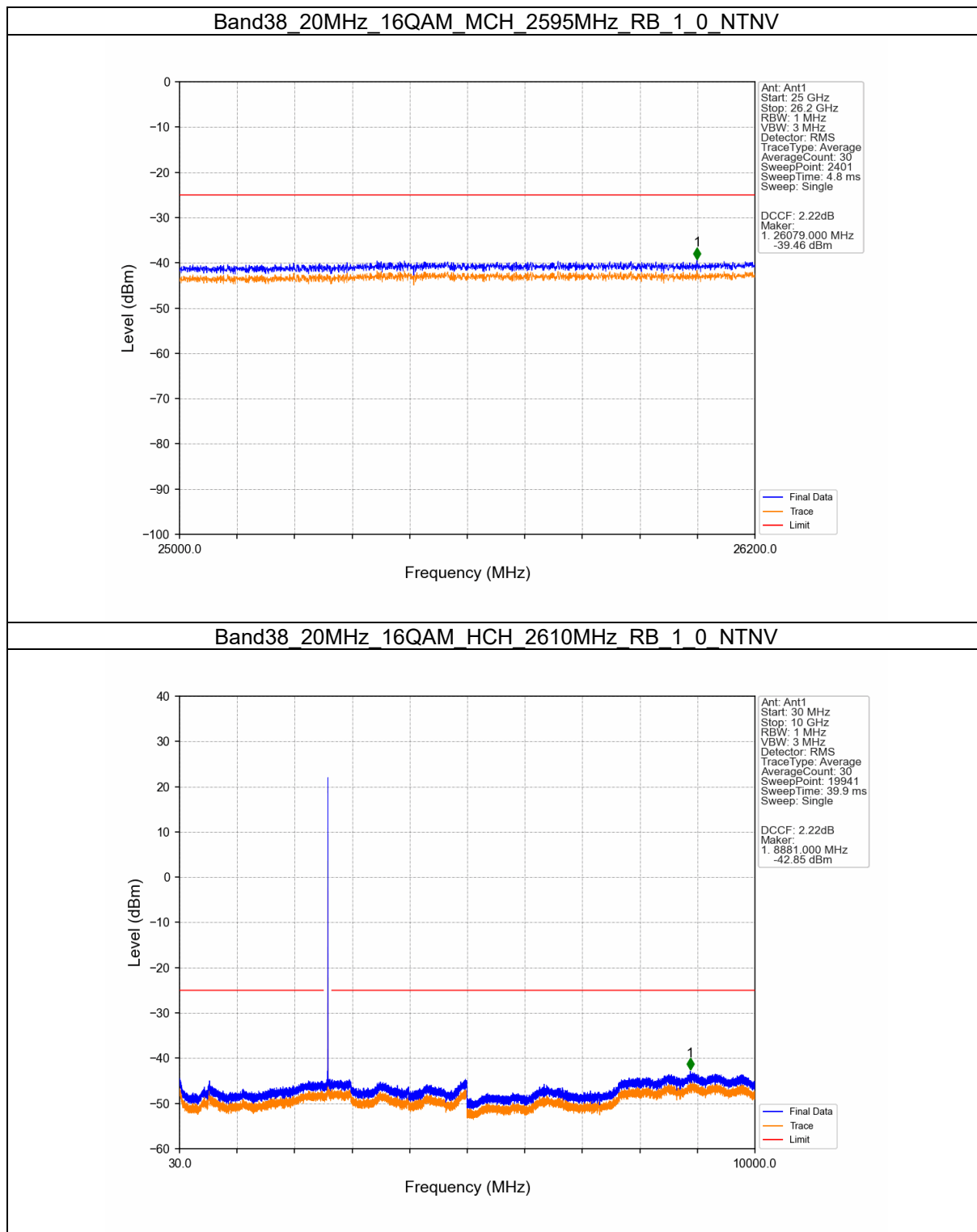


Test Report No.: RF260703B003



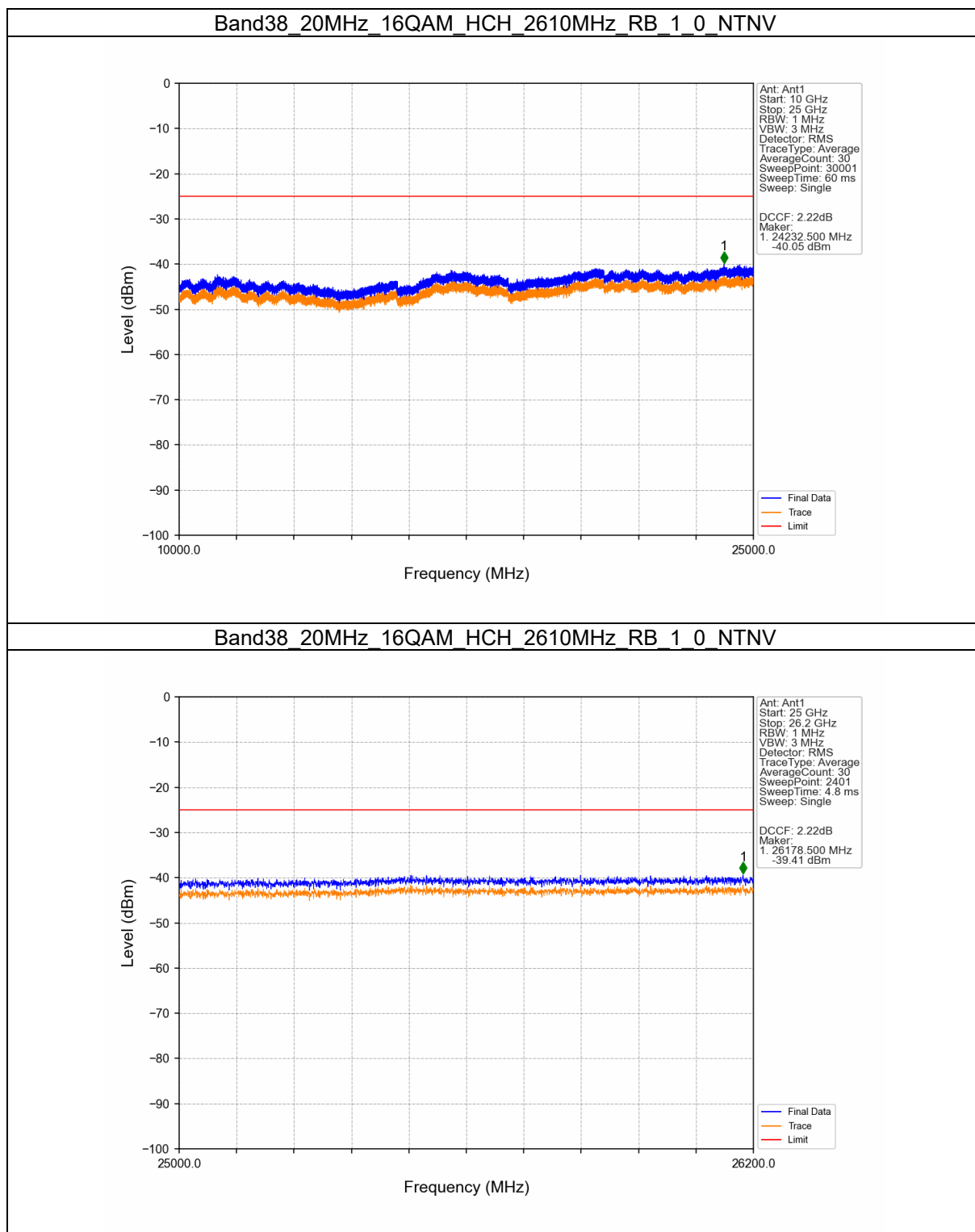


Test Report No.: RF260703B003





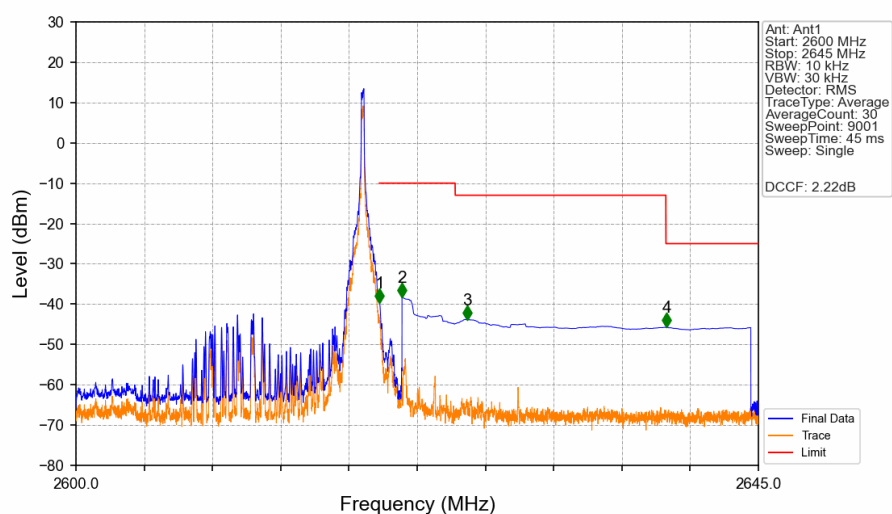
Test Report No.: RF260703B003





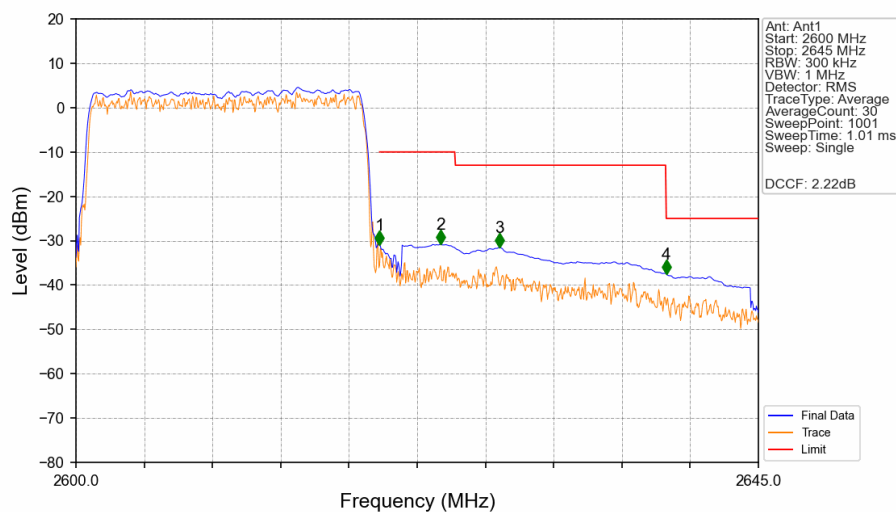
Test Report No.: RF260703B003

Band38_20MHz_16QAM_HCH_2610MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-39.58	-10	Pass
2621	2625	1	CHP	2	2621.500	-38.33	-10	Pass
2625	2638.896	1	CHP	3	2625.815	-43.80	-13	Pass
2638.896	2645	1	CHP	4	2638.940	-45.75	-25	Pass

Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV

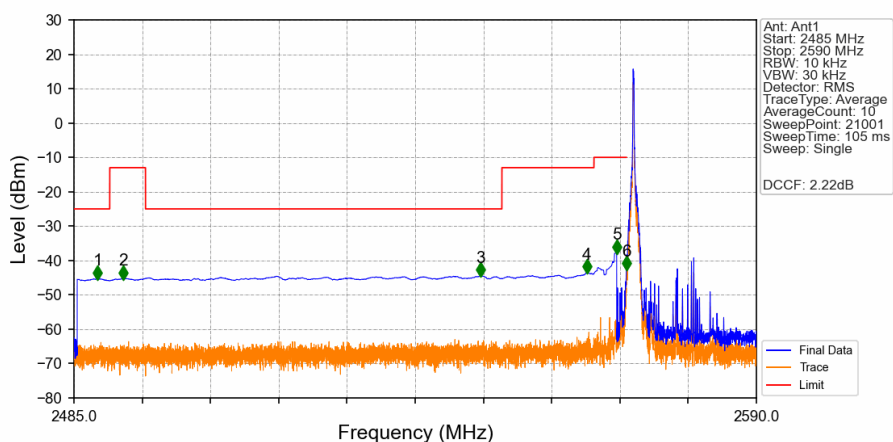


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.378	CHP	/	/	/	/	/
2620	2621	0.378	CHP	1	2620.025	-30.87	-10	Pass
2621	2625	1	CHP	2	2624.030	-30.81	-10	Pass
2625	2638.896	1	CHP	3	2627.945	-31.57	-13	Pass
2638.896	2645	1	CHP	4	2638.925	-37.47	-25	Pass



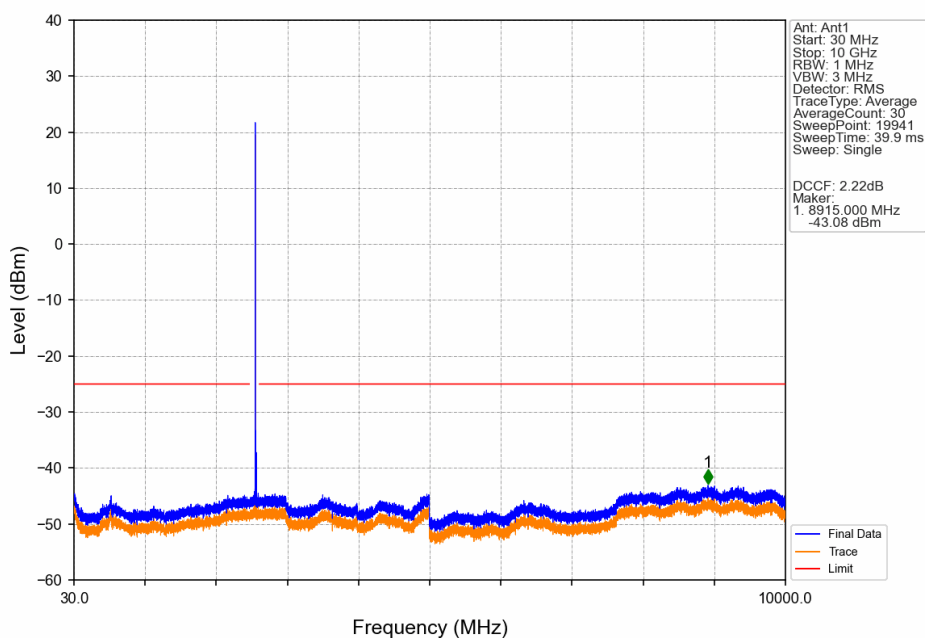
Test Report No.: RF260703B003

Band38_20MHz_64QAM_LCH_2580MHz_RB_1_0_NTNV



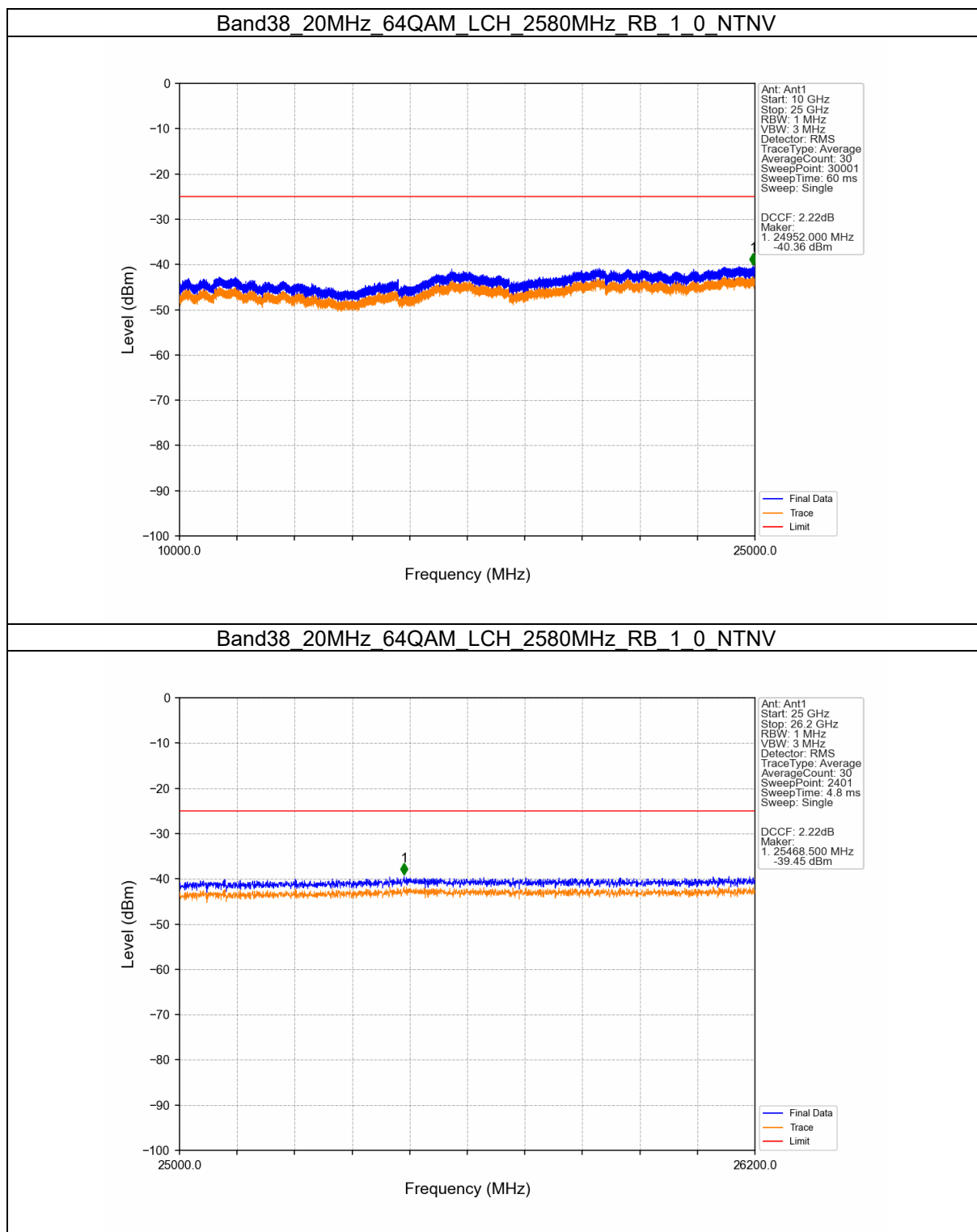
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.655	-45.25	-25	Pass
2490.5	2496	1	CHP	2	2492.610	-45.20	-13	Pass
2496	2550.838	1	CHP	3	2547.560	-44.34	-25	Pass
2550.838	2565	1	CHP	4	2563.935	-43.42	-13	Pass
2565	2569	1	CHP	5	2568.500	-37.70	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-42.58	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

Band38_20MHz_64QAM_LCH_2580MHz_RB_1_0_NTNV





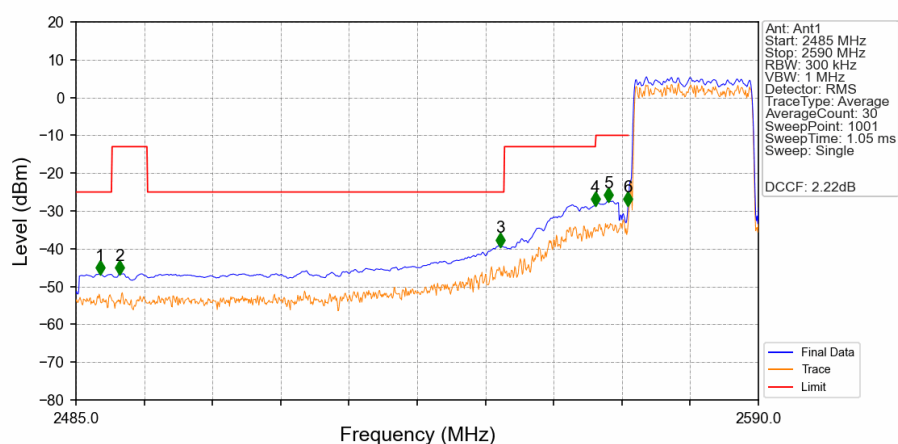
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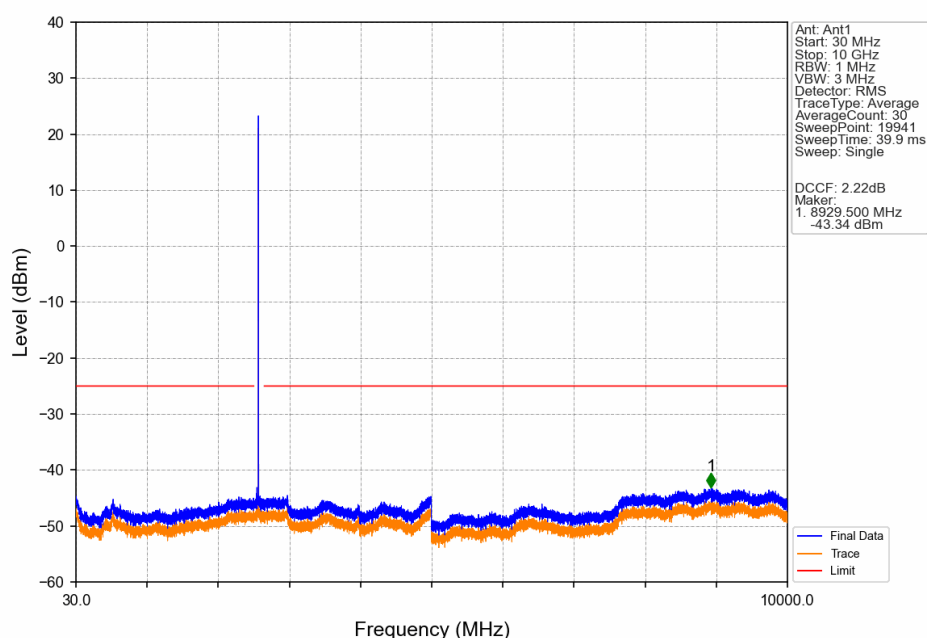
Test Report No.: RF260703B003

Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



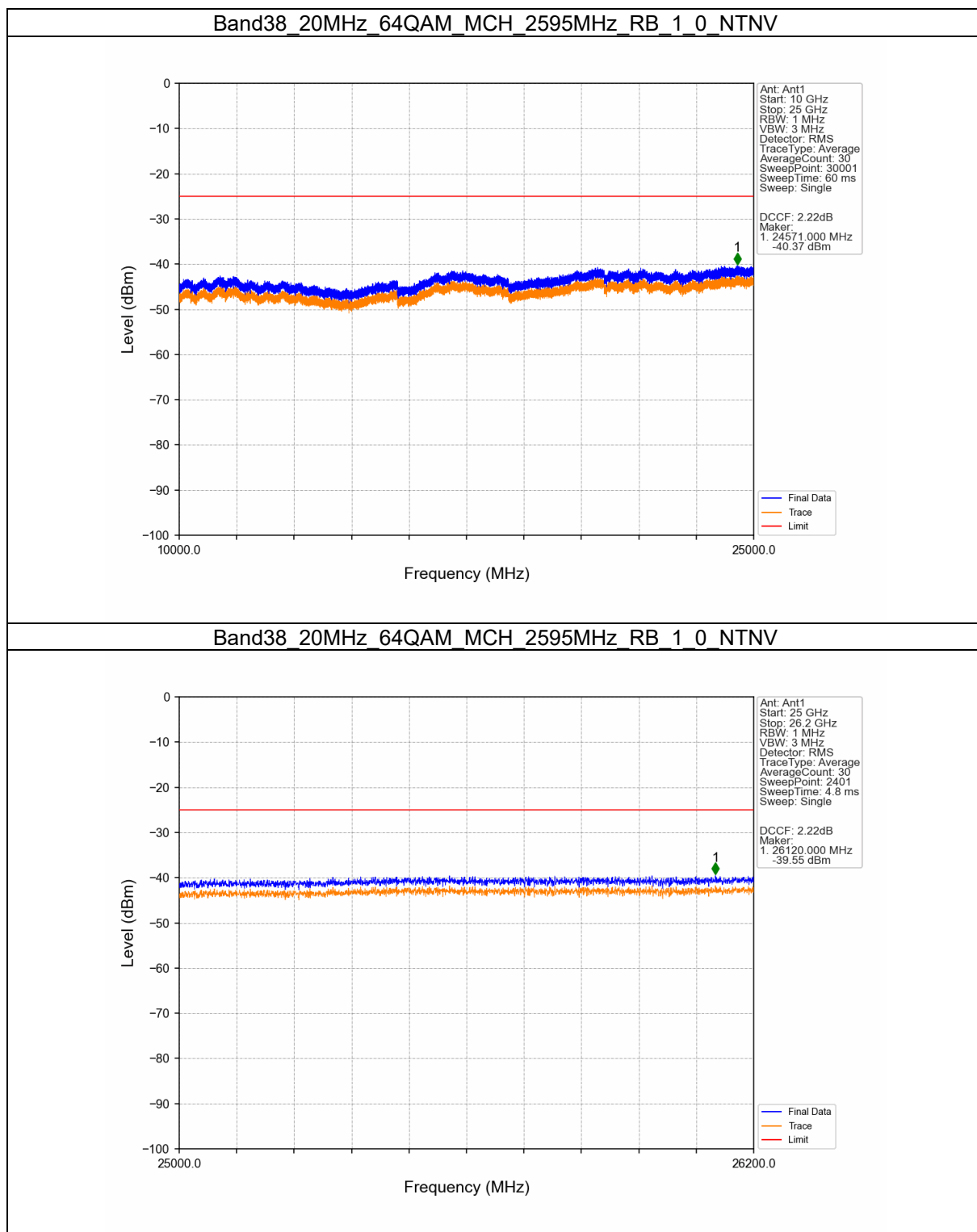
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.675	-46.57	-25	Pass
2490.5	2496	1	CHP	2	2491.720	-46.59	-13	Pass
2496	2550.838	1	CHP	3	2550.310	-39.22	-25	Pass
2550.838	2565	1	CHP	4	2564.905	-28.35	-13	Pass
2565	2569	1	CHP	5	2566.900	-27.29	-10	Pass
2569	2570	0.383	CHP	6	2569.945	-28.48	-10	Pass
2570	2590	0.383	CHP	/	/	/	/	/

Band38_20MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV





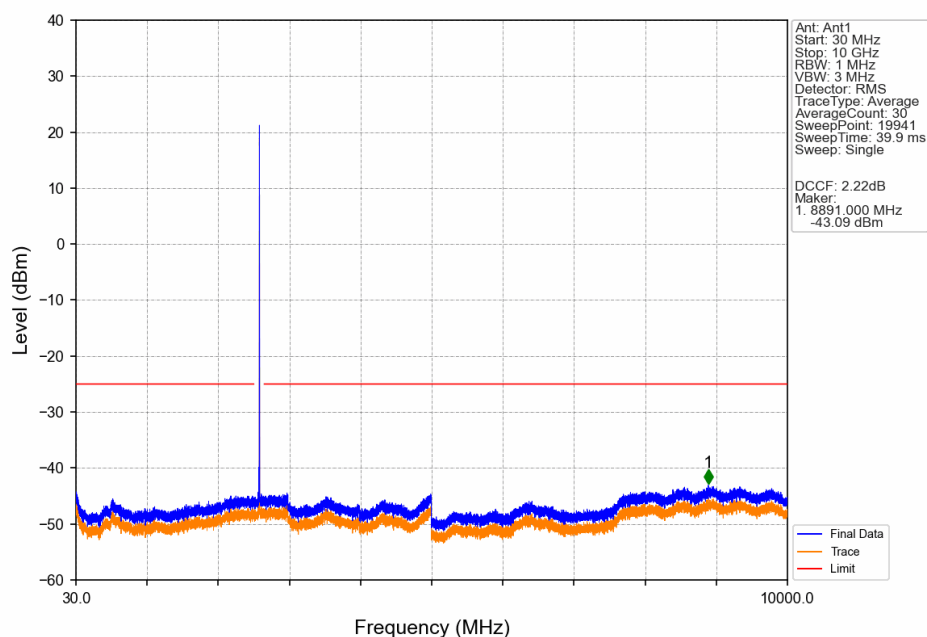
Test Report No.: RF260703B003



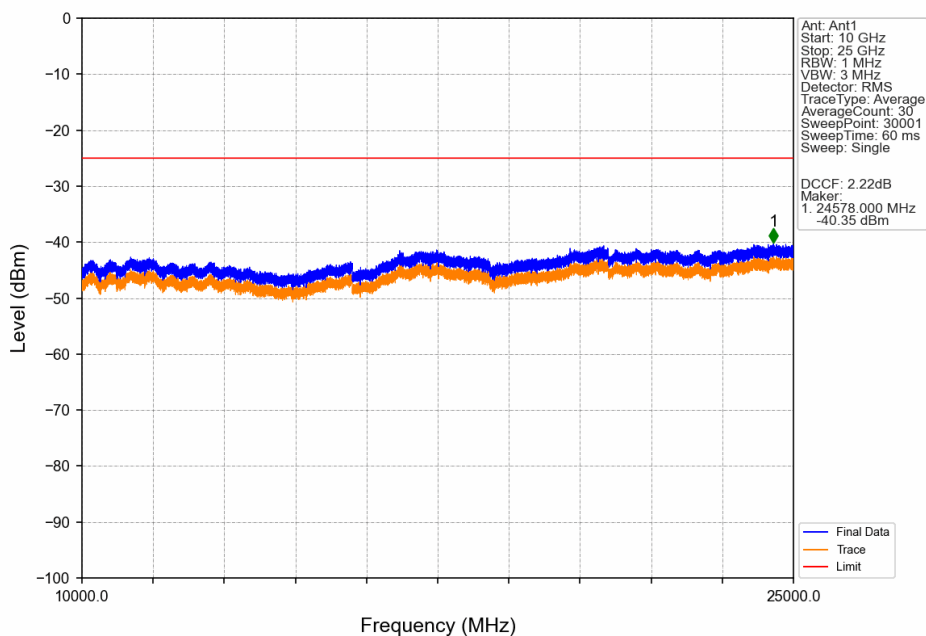


Test Report No.: RF260703B003

Band38_20MHz_64QAM_HCH_2610MHz_RB_1_0_NTNV



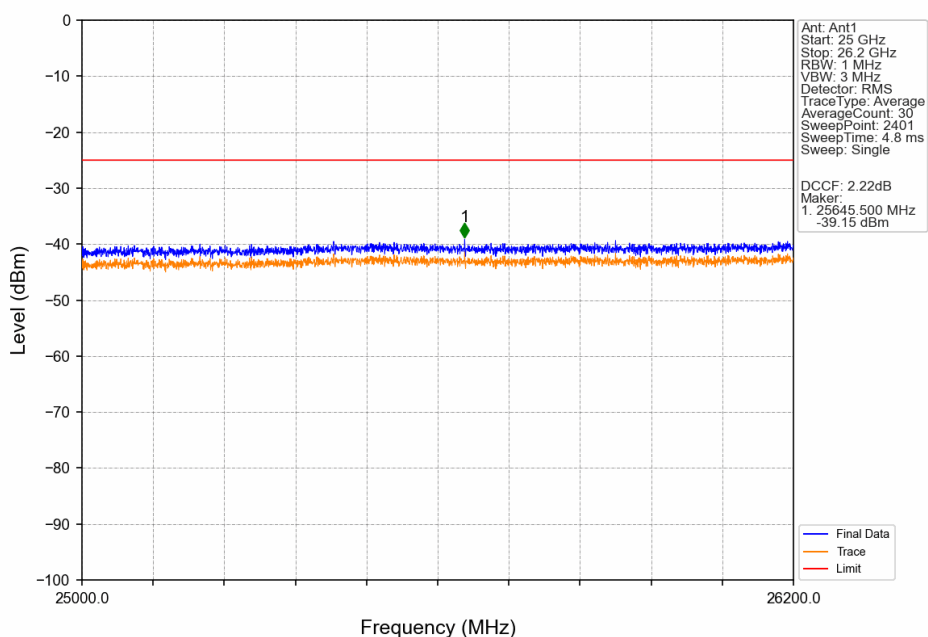
Band38_20MHz_64QAM_HCH_2610MHz_RB_1_0_NTNV



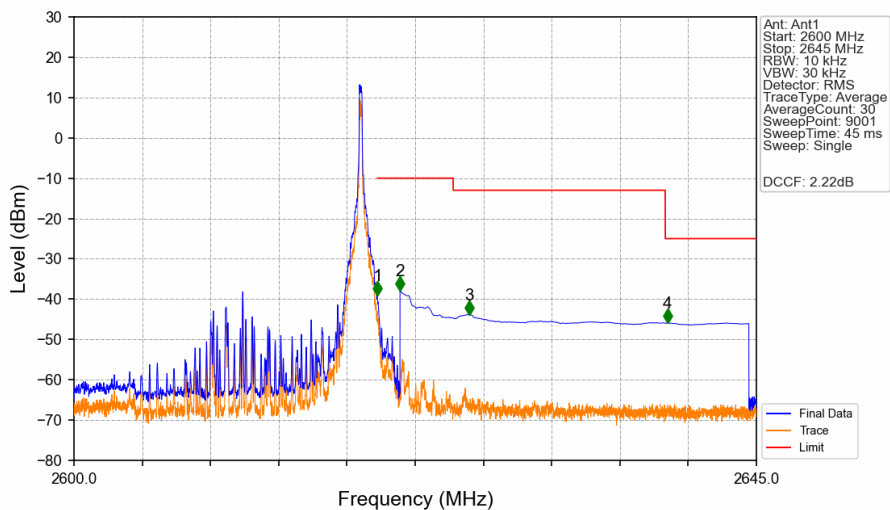


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Band38_20MHz_64QAM_HCH_2610MHz_RB_1_0_NTNV



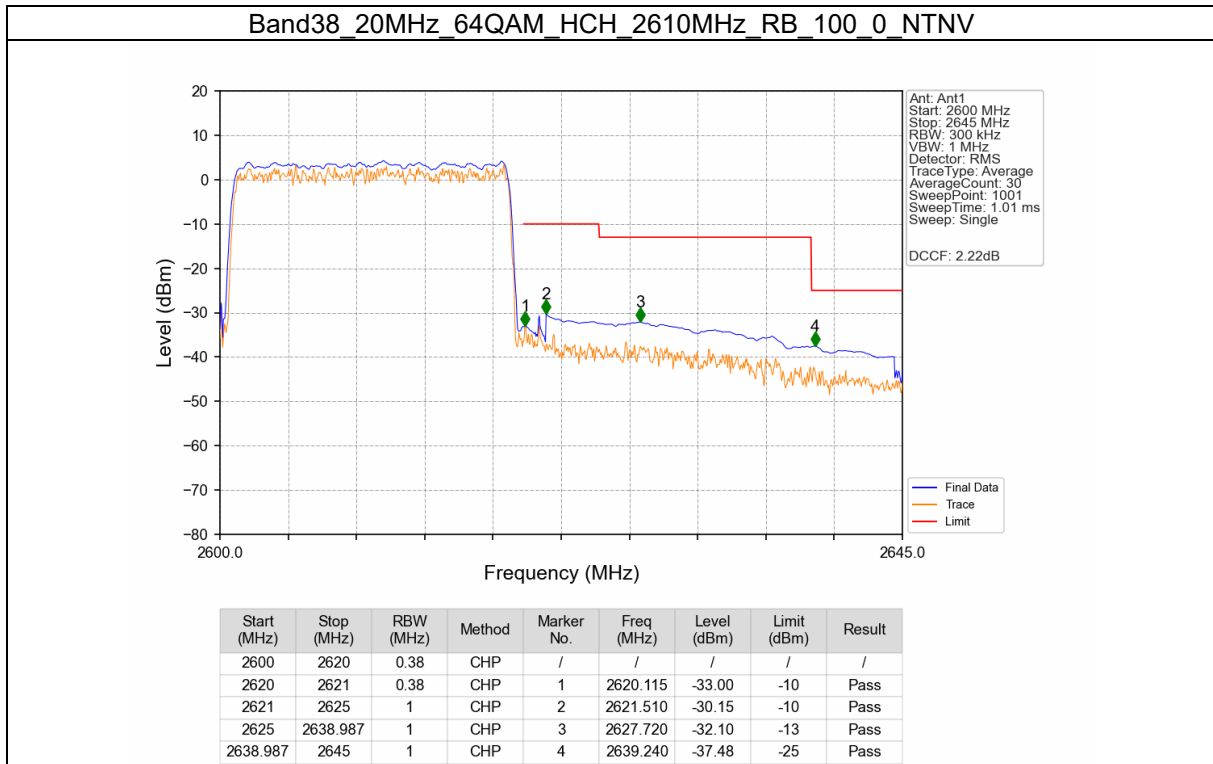
Band38_20MHz_64QAM_HCH_2610MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-39.08	-10	Pass
2621	2625	1	CHP	2	2621.500	-37.84	-10	Pass
2625	2638.987	1	CHP	3	2626.060	-43.85	-13	Pass
2638.987	2645	1	CHP	4	2639.125	-45.90	-25	Pass



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LTE BAND41

FREQUENCY STABILITY

Test Result

B41_5MHz

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.4	7.200	0.0029	-2.5 to 2.5	Pass
					4	4.600	0.0018	-2.5 to 2.5	Pass
					4.6	2.900	0.0012	-2.5 to 2.5	Pass
				5	4	2.100	0.0008	-2.5 to 2.5	Pass
				15	4	3.700	0.0015	-2.5 to 2.5	Pass
				25	4	2.300	0.0009	-2.5 to 2.5	Pass
				35	4	2.900	0.0012	-2.5 to 2.5	Pass
	2593	25	0	20	3.4	0.800	0.0003	-2.5 to 2.5	Pass
					4	2.600	0.0010	-2.5 to 2.5	Pass
					4.6	3.400	0.0013	-2.5 to 2.5	Pass
				5	4	-3.400	-0.0013	-2.5 to 2.5	Pass
				15	4	4.300	0.0017	-2.5 to 2.5	Pass
				25	4	-1.900	-0.0007	-2.5 to 2.5	Pass
				35	4	-0.600	-0.0002	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.4	3.700	0.0014	-2.5 to 2.5	Pass
					4	1.700	0.0006	-2.5 to 2.5	Pass
					4.6	-3.600	-0.0013	-2.5 to 2.5	Pass
				5	4	0.700	0.0003	-2.5 to 2.5	Pass
				15	4	-0.100	0.0000	-2.5 to 2.5	Pass
				25	4	-1.500	-0.0006	-2.5 to 2.5	Pass
				35	4	-3.800	-0.0014	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.4	3.000	0.0012	-2.5 to 2.5	Pass
					4	2.200	0.0009	-2.5 to 2.5	Pass
					4.6	-1.700	-0.0007	-2.5 to 2.5	Pass
				5	4	0.500	0.0002	-2.5 to 2.5	Pass
				15	4	1.800	0.0007	-2.5 to 2.5	Pass
				25	4	1.700	0.0007	-2.5 to 2.5	Pass
				35	4	3.400	0.0014	-2.5 to 2.5	Pass
	2593	25	0	20	3.4	2.200	0.0008	-2.5 to 2.5	Pass
					4	0.700	0.0003	-2.5 to 2.5	Pass
					4.6	1.400	0.0005	-2.5 to 2.5	Pass
				5	4	0.800	0.0003	-2.5 to 2.5	Pass
				15	4	-0.300	-0.0001	-2.5 to 2.5	Pass
				25	4	1.200	0.0005	-2.5 to 2.5	Pass
				35	4	-1.200	-0.0005	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.4	1.500	0.0006	-2.5 to 2.5	Pass
					4	3.400	0.0013	-2.5 to 2.5	Pass
					4.6	0.000	0.0000	-2.5 to 2.5	Pass
				5	4	0.800	0.0003	-2.5 to 2.5	Pass



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64QAM	2498.5	25	0	15	4	4.500	0.0017	-2.5 to 2.5	Pass
				25	4	-1.200	-0.0004	-2.5 to 2.5	Pass
				35	4	1.600	0.0006	-2.5 to 2.5	Pass
				20	3.4	-35.100	-0.0140	-2.5 to 2.5	Pass
					4	-26.600	-0.0106	-2.5 to 2.5	Pass
					4.6	35.900	0.0144	-2.5 to 2.5	Pass
				5	4	36.900	0.0148	-2.5 to 2.5	Pass
				15	4	5.600	0.0022	-2.5 to 2.5	Pass
				25	4	-25.700	-0.0103	-2.5 to 2.5	Pass
				35	4	21.300	0.0085	-2.5 to 2.5	Pass
	2593	25	0	20	3.4	89.200	0.0344	-2.5 to 2.5	Pass
					4	-20.400	-0.0079	-2.5 to 2.5	Pass
					4.6	3.100	0.0012	-2.5 to 2.5	Pass
				5	4	-18.400	-0.0071	-2.5 to 2.5	Pass
				15	4	-14.100	-0.0054	-2.5 to 2.5	Pass
				25	4	11.900	0.0046	-2.5 to 2.5	Pass
				35	4	26.900	0.0104	-2.5 to 2.5	Pass
				20	3.4	-1.700	-0.0006	-2.5 to 2.5	Pass
					4	13.500	0.0050	-2.5 to 2.5	Pass
					4.6	-2.100	-0.0008	-2.5 to 2.5	Pass
	2687.5	25	0	5	4	7.800	0.0029	-2.5 to 2.5	Pass
				15	4	20.000	0.0074	-2.5 to 2.5	Pass
				25	4	3.400	0.0013	-2.5 to 2.5	Pass
				35	4	14.800	0.0055	-2.5 to 2.5	Pass

B41_10MHz

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.4	-0.600	-0.0002	-2.5 to 2.5	Pass
					4	-0.200	-0.0001	-2.5 to 2.5	Pass
					4.6	-1.600	-0.0006	-2.5 to 2.5	Pass
				5	4	-0.300	-0.0001	-2.5 to 2.5	Pass
				15	4	-1.200	-0.0005	-2.5 to 2.5	Pass
				25	4	-2.000	-0.0008	-2.5 to 2.5	Pass
				35	4	-2.300	-0.0009	-2.5 to 2.5	Pass
	2593	50	0	20	3.4	-0.300	-0.0001	-2.5 to 2.5	Pass
					4	2.700	0.0010	-2.5 to 2.5	Pass
					4.6	1.600	0.0006	-2.5 to 2.5	Pass
				5	4	1.300	0.0005	-2.5 to 2.5	Pass
				15	4	-2.400	-0.0009	-2.5 to 2.5	Pass
				25	4	3.600	0.0014	-2.5 to 2.5	Pass
				35	4	-0.900	-0.0003	-2.5 to 2.5	Pass
	2685	50	0	20	3.4	0.700	0.0003	-2.5 to 2.5	Pass
					4	-1.000	-0.0004	-2.5 to 2.5	Pass
					4.6	0.600	0.0002	-2.5 to 2.5	Pass
				5	4	1.600	0.0006	-2.5 to 2.5	Pass
				15	4	1.900	0.0007	-2.5 to 2.5	Pass
				25	4	1.500	0.0006	-2.5 to 2.5	Pass
				35	4	4.000	0.0015	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	3.4	-2.900	-0.0012	-2.5 to 2.5	Pass
					4	-1.200	-0.0005	-2.5 to 2.5	Pass
					4.6	2.100	0.0008	-2.5 to 2.5	Pass



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	2593	50	0	5	4	-1.000	-0.0004	-2.5 to 2.5	Pass
				15	4	-2.000	-0.0008	-2.5 to 2.5	Pass
				25	4	-3.900	-0.0016	-2.5 to 2.5	Pass
				35	4	3.600	0.0014	-2.5 to 2.5	Pass
				20	3.4	0.400	0.0002	-2.5 to 2.5	Pass
					4	3.600	0.0014	-2.5 to 2.5	Pass
					4.6	4.800	0.0019	-2.5 to 2.5	Pass
				5	4	-1.200	-0.0005	-2.5 to 2.5	Pass
				15	4	1.800	0.0007	-2.5 to 2.5	Pass
				25	4	2.500	0.0010	-2.5 to 2.5	Pass
				35	4	0.100	0.0000	-2.5 to 2.5	Pass
	2685	50	0	20	3.4	1.400	0.0005	-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	4.100	0.0015	-2.5 to 2.5	Pass
				15	4	3.800	0.0014	-2.5 to 2.5	Pass
				25	4	3.200	0.0012	-2.5 to 2.5	Pass
				35	4	3.900	0.0015	-2.5 to 2.5	Pass
	64QAM	2501	50	20	3.4	0.500	0.0002	-2.5 to 2.5	Pass
					4	9.700	0.0039	-2.5 to 2.5	Pass
					4.6	-0.100	0.0000	-2.5 to 2.5	Pass
				5	4	1.200	0.0005	-2.5 to 2.5	Pass
				15	4	17.900	0.0072	-2.5 to 2.5	Pass
				25	4	3.500	0.0014	-2.5 to 2.5	Pass
				35	4	15.400	0.0062	-2.5 to 2.5	Pass
		2593	50	20	3.4	17.000	0.0066	-2.5 to 2.5	Pass
					4	53.000	0.0204	-2.5 to 2.5	Pass
					4.6	5.700	0.0022	-2.5 to 2.5	Pass
				5	4	-2.700	-0.0010	-2.5 to 2.5	Pass
				15	4	5.600	0.0022	-2.5 to 2.5	Pass
				25	4	-5.300	-0.0020	-2.5 to 2.5	Pass
				35	4	-3.800	-0.0015	-2.5 to 2.5	Pass
		2685	50	20	3.4	10.200	0.0038	-2.5 to 2.5	Pass
					4	-16.900	-0.0063	-2.5 to 2.5	Pass
					4.6	7.000	0.0026	-2.5 to 2.5	Pass
				5	4	3.700	0.0014	-2.5 to 2.5	Pass
				15	4	-3.600	-0.0013	-2.5 to 2.5	Pass
				25	4	-1.700	-0.0006	-2.5 to 2.5	Pass
				35	4	8.000	0.0030	-2.5 to 2.5	Pass

B41_15MHz

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	3.4	2.000	0.0008	-2.5 to 2.5	Pass
					4	-0.200	-0.0001	-2.5 to 2.5	Pass
					4.6	-2.800	-0.0011	-2.5 to 2.5	Pass
				5	4	3.600	0.0014	-2.5 to 2.5	Pass
				15	4	-1.200	-0.0005	-2.5 to 2.5	Pass
				25	4	-1.500	-0.0006	-2.5 to 2.5	Pass
				35	4	0.700	0.0003	-2.5 to 2.5	Pass
	2593	75	0	20	3.4	2.000	0.0008	-2.5 to 2.5	Pass
					4	1.500	0.0006	-2.5 to 2.5	Pass

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					4.6	3.100	0.0012	-2.5 to 2.5	Pass
				5	4	1.500	0.0006	-2.5 to 2.5	Pass
				15	4	-2.600	-0.0010	-2.5 to 2.5	Pass
				25	4	1.900	0.0007	-2.5 to 2.5	Pass
				35	4	-0.200	-0.0001	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.4	-1.500	-0.0006	-2.5 to 2.5	Pass
					4	1.800	0.0007	-2.5 to 2.5	Pass
					4.6	0.000	0.0000	-2.5 to 2.5	Pass
				5	4	1.900	0.0007	-2.5 to 2.5	Pass
				15	4	1.000	0.0004	-2.5 to 2.5	Pass
				25	4	0.500	0.0002	-2.5 to 2.5	Pass
				35	4	0.300	0.0001	-2.5 to 2.5	Pass
				20	3.4	-2.000	-0.0008	-2.5 to 2.5	Pass
					4	0.900	0.0004	-2.5 to 2.5	Pass
					4.6	-2.200	-0.0009	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	5	4	3.000	0.0012	-2.5 to 2.5	Pass
				15	4	1.000	0.0004	-2.5 to 2.5	Pass
				25	4	1.400	0.0006	-2.5 to 2.5	Pass
				35	4	0.000	0.0000	-2.5 to 2.5	Pass
	2593	75	0	20	3.4	2.200	0.0008	-2.5 to 2.5	Pass
					4	-2.300	-0.0009	-2.5 to 2.5	Pass
					4.6	2.200	0.0008	-2.5 to 2.5	Pass
				5	4	-3.800	-0.0015	-2.5 to 2.5	Pass
				15	4	4.200	0.0016	-2.5 to 2.5	Pass
				25	4	-2.500	-0.0010	-2.5 to 2.5	Pass
				35	4	1.800	0.0007	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.4	2.500	0.0009	-2.5 to 2.5	Pass
					4	0.800	0.0003	-2.5 to 2.5	Pass
					4.6	2.800	0.0010	-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	2.800	0.0010	-2.5 to 2.5	Pass
				35	4	-0.600	-0.0002	-2.5 to 2.5	Pass
64QAM	2503.5	75	0	20	3.4	-11.100	-0.0044	-2.5 to 2.5	Pass
					4	20.200	0.0081	-2.5 to 2.5	Pass
					4.6	17.500	0.0070	-2.5 to 2.5	Pass
				5	4	-12.300	-0.0049	-2.5 to 2.5	Pass
				15	4	3.200	0.0013	-2.5 to 2.5	Pass
				25	4	4.700	0.0019	-2.5 to 2.5	Pass
				35	4	7.100	0.0028	-2.5 to 2.5	Pass
	2593	75	0	20	3.4	19.900	0.0077	-2.5 to 2.5	Pass
					4	7.500	0.0029	-2.5 to 2.5	Pass
					4.6	12.900	0.0050	-2.5 to 2.5	Pass
				5	4	-15.700	-0.0061	-2.5 to 2.5	Pass
				15	4	4.800	0.0019	-2.5 to 2.5	Pass
				25	4	8.800	0.0034	-2.5 to 2.5	Pass
				35	4	-0.600	-0.0002	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.4	21.600	0.0081	-2.5 to 2.5	Pass
					4	-15.800	-0.0059	-2.5 to 2.5	Pass
					4.6	11.000	0.0041	-2.5 to 2.5	Pass
				5	4	-0.500	-0.0002	-2.5 to 2.5	Pass
				15	4	-4.700	-0.0018	-2.5 to 2.5	Pass
				25	4	-3.400	-0.0013	-2.5 to 2.5	Pass

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				35	4	0.100	0.0000	-2.5 to 2.5	Pass
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B41_20MHz

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
							Result	Limit	
QPSK	2506	100	0	20	3.4	0.000	0.0000	-2.5 to 2.5	Pass
					4	-1.300	-0.0005	-2.5 to 2.5	Pass
					4.6	2.300	0.0009	-2.5 to 2.5	Pass
				5	4	-0.600	-0.0002	-2.5 to 2.5	Pass
				15	4	0.100	0.0000	-2.5 to 2.5	Pass
				25	4	2.000	0.0008	-2.5 to 2.5	Pass
				35	4	-1.100	-0.0004	-2.5 to 2.5	Pass
	2593	100	0	20	3.4	1.200	0.0005	-2.5 to 2.5	Pass
					4	-0.600	-0.0002	-2.5 to 2.5	Pass
					4.6	-0.200	-0.0001	-2.5 to 2.5	Pass
				5	4	-0.500	-0.0002	-2.5 to 2.5	Pass
				15	4	5.400	0.0021	-2.5 to 2.5	Pass
				25	4	0.400	0.0002	-2.5 to 2.5	Pass
				35	4	-0.600	-0.0002	-2.5 to 2.5	Pass
	2680	100	0	20	3.4	-0.800	-0.0003	-2.5 to 2.5	Pass
					4	3.900	0.0015	-2.5 to 2.5	Pass
					4.6	-1.800	-0.0007	-2.5 to 2.5	Pass
				5	4	1.300	0.0005	-2.5 to 2.5	Pass
				15	4	-1.000	-0.0004	-2.5 to 2.5	Pass
				25	4	-0.900	-0.0003	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.4	3.500	0.0014	-2.5 to 2.5	Pass
					4	4.800	0.0019	-2.5 to 2.5	Pass
					4.6	5.500	0.0022	-2.5 to 2.5	Pass
				5	4	1.600	0.0006	-2.5 to 2.5	Pass
				15	4	0.400	0.0002	-2.5 to 2.5	Pass
				25	4	-2.700	-0.0011	-2.5 to 2.5	Pass
				35	4	1.100	0.0004	-2.5 to 2.5	Pass
	2593	100	0	20	3.4	2.600	0.0010	-2.5 to 2.5	Pass
					4	2.400	0.0009	-2.5 to 2.5	Pass
					4.6	-1.600	-0.0006	-2.5 to 2.5	Pass
				5	4	-0.600	-0.0002	-2.5 to 2.5	Pass
				15	4	-0.800	-0.0003	-2.5 to 2.5	Pass
				25	4	5.100	0.0020	-2.5 to 2.5	Pass
				35	4	0.700	0.0003	-2.5 to 2.5	Pass
	2680	100	0	20	3.4	2.900	0.0011	-2.5 to 2.5	Pass
					4	1.200	0.0004	-2.5 to 2.5	Pass
					4.6	2.600	0.0010	-2.5 to 2.5	Pass
				5	4	1.300	0.0005	-2.5 to 2.5	Pass
				15	4	-1.900	-0.0007	-2.5 to 2.5	Pass
				25	4	0.800	0.0003	-2.5 to 2.5	Pass
64QAM	2506	100	0	20	3.4	-7.200	-0.0029	-2.5 to 2.5	Pass
					4	12.700	0.0051	-2.5 to 2.5	Pass
					4.6	-4.900	-0.0020	-2.5 to 2.5	Pass
				5	4	11.500	0.0046	-2.5 to 2.5	Pass
				15	4	5.100	0.0020	-2.5 to 2.5	Pass

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				25	4	16.700	0.0067	-2.5 to 2.5	Pass
				35	4	7.100	0.0028	-2.5 to 2.5	Pass
	2593	100	0	20	3.4	-9.900	-0.0038	-2.5 to 2.5	Pass
					4	-13.200	-0.0051	-2.5 to 2.5	Pass
					4.6	23.600	0.0091	-2.5 to 2.5	Pass
				5	4	-4.800	-0.0019	-2.5 to 2.5	Pass
				15	4	-0.600	-0.0002	-2.5 to 2.5	Pass
				25	4	3.300	0.0013	-2.5 to 2.5	Pass
				35	4	5.200	0.0020	-2.5 to 2.5	Pass
	2680	100	0	20	3.4	6.300	0.0024	-2.5 to 2.5	Pass
					4	-12.200	-0.0046	-2.5 to 2.5	Pass
					4.6	0.600	0.0002	-2.5 to 2.5	Pass
				5	4	11.400	0.0043	-2.5 to 2.5	Pass
				15	4	5.800	0.0022	-2.5 to 2.5	Pass
				25	4	-10.500	-0.0039	-2.5 to 2.5	Pass
				35	4	-7.200	-0.0027	-2.5 to 2.5	Pass



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26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band41_OBW

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	4.489	/	Pass
		2593	25	0	4.496	/	Pass
		2687.5	25	0	4.492	/	Pass
	16QAM	2498.5	25	0	4.479	/	Pass
		2593	25	0	4.492	/	Pass
		2687.5	25	0	4.493	/	Pass
	64QAM	2498.5	25	0	4.477	/	Pass
		2593	25	0	4.480	/	Pass
		2687.5	25	0	4.476	/	Pass
10	QPSK	2501	50	0	8.944	/	Pass
		2593	50	0	8.984	/	Pass
		2685	50	0	8.959	/	Pass
	16QAM	2501	50	0	8.939	/	Pass
		2593	50	0	8.956	/	Pass
		2685	50	0	8.948	/	Pass
	64QAM	2501	50	0	8.962	/	Pass
		2593	50	0	8.974	/	Pass
		2685	50	0	8.969	/	Pass
15	QPSK	2503.5	75	0	13.460	/	Pass
		2593	75	0	13.428	/	Pass
		2682.5	75	0	13.457	/	Pass
	16QAM	2503.5	75	0	13.431	/	Pass
		2593	75	0	13.422	/	Pass
		2682.5	75	0	13.436	/	Pass
	64QAM	2503.5	75	0	13.434	/	Pass
		2593	75	0	13.469	/	Pass
		2682.5	75	0	13.473	/	Pass
20	QPSK	2506	100	0	17.911	/	Pass
		2593	100	0	17.835	/	Pass
		2680	100	0	17.884	/	Pass
	16QAM	2506	100	0	17.941	/	Pass
		2593	100	0	17.883	/	Pass
		2680	100	0	17.848	/	Pass
	64QAM	2506	100	0	17.834	/	Pass
		2593	100	0	17.876	/	Pass
		2680	100	0	17.852	/	Pass



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Band41_26DB

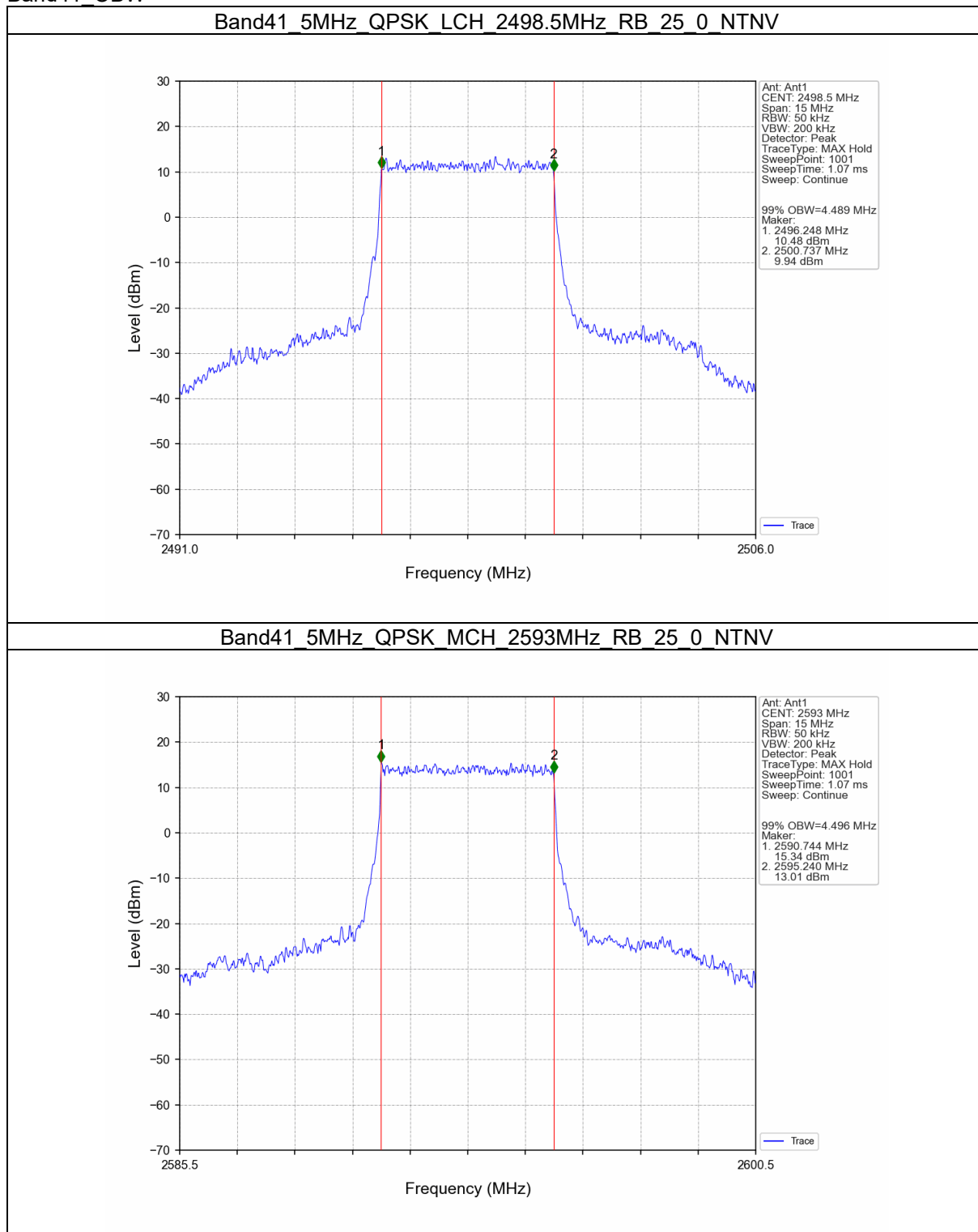
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.015	/	Pass
		2593	25	0	5.013	/	Pass
		2687.5	25	0	5.061	/	Pass
	16QAM	2498.5	25	0	5.067	/	Pass
		2593	25	0	5.037	/	Pass
		2687.5	25	0	4.998	/	Pass
	64QAM	2498.5	25	0	5.011	/	Pass
		2593	25	0	5.062	/	Pass
		2687.5	25	0	5.040	/	Pass
10	QPSK	2501	50	0	9.816	/	Pass
		2593	50	0	9.808	/	Pass
		2685	50	0	9.793	/	Pass
	16QAM	2501	50	0	9.700	/	Pass
		2593	50	0	9.638	/	Pass
		2685	50	0	9.688	/	Pass
	64QAM	2501	50	0	9.815	/	Pass
		2593	50	0	9.799	/	Pass
		2685	50	0	9.721	/	Pass
15	QPSK	2503.5	75	0	14.855	/	Pass
		2593	75	0	14.538	/	Pass
		2682.5	75	0	14.994	/	Pass
	16QAM	2503.5	75	0	14.597	/	Pass
		2593	75	0	14.439	/	Pass
		2682.5	75	0	14.596	/	Pass
	64QAM	2503.5	75	0	14.390	/	Pass
		2593	75	0	14.580	/	Pass
		2682.5	75	0	14.490	/	Pass
20	QPSK	2506	100	0	19.337	/	Pass
		2593	100	0	19.396	/	Pass
		2680	100	0	18.936	/	Pass
	16QAM	2506	100	0	19.379	/	Pass
		2593	100	0	19.032	/	Pass
		2680	100	0	19.049	/	Pass
	64QAM	2506	100	0	19.494	/	Pass
		2593	100	0	19.041	/	Pass
		2680	100	0	19.066	/	Pass



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Test Graph

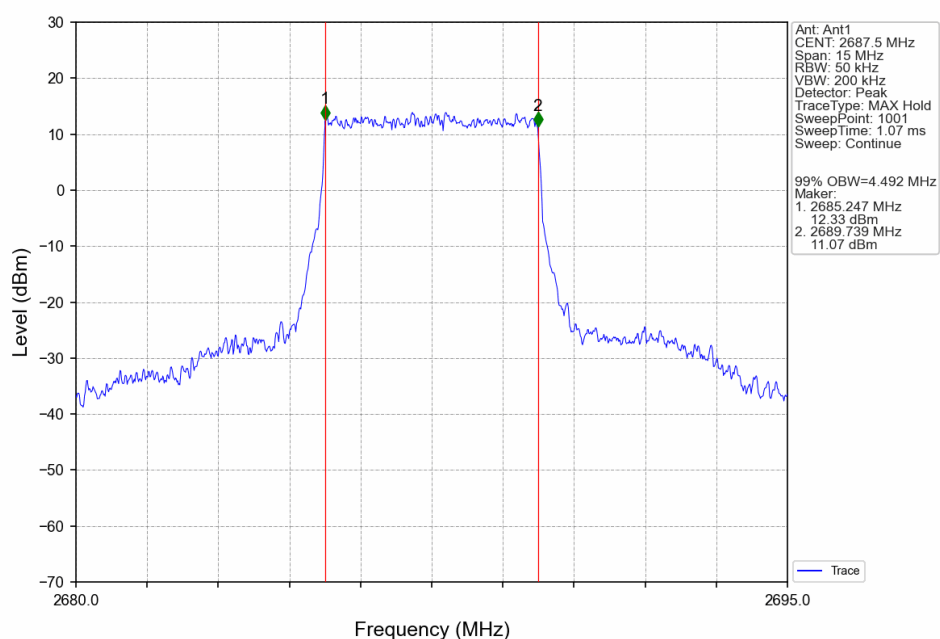
Band41_OBW



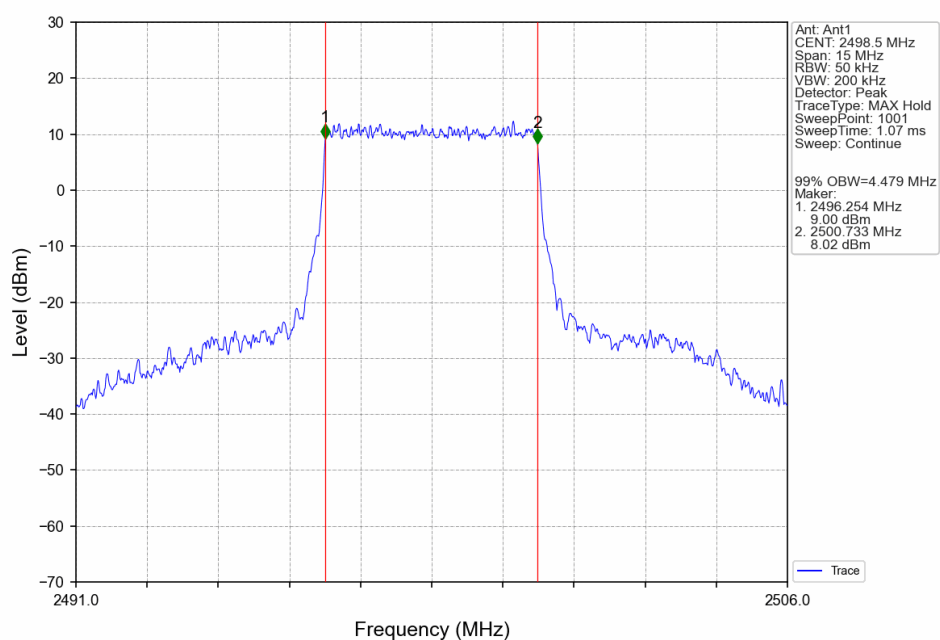


Test Report No.: RF260703B003

Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



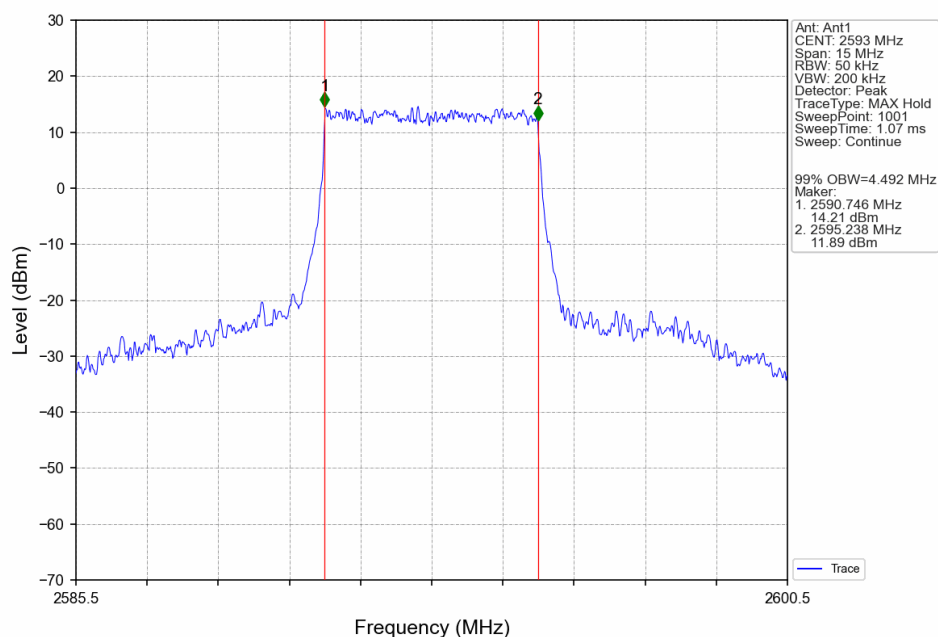
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



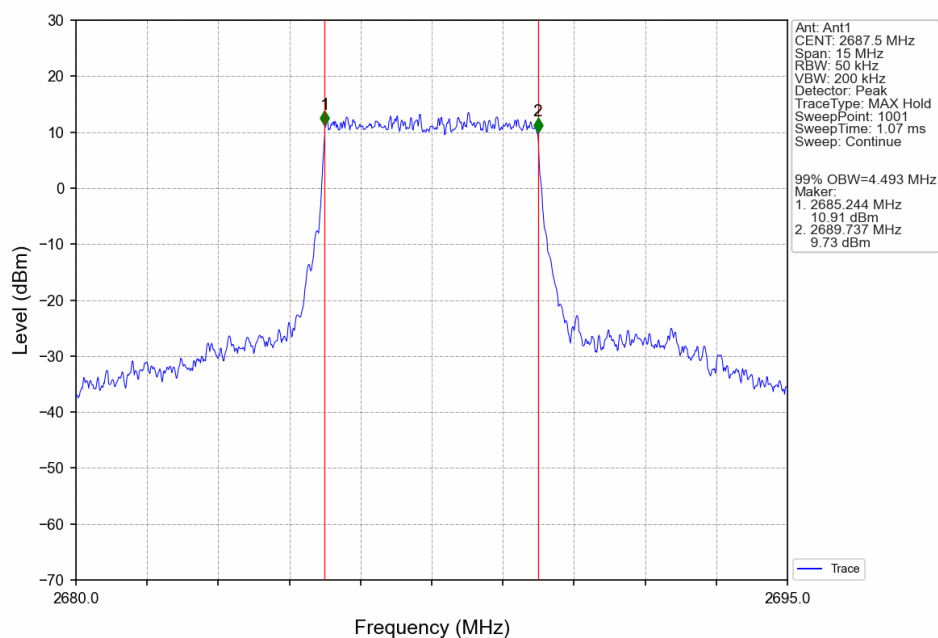


Test Report No.: RF260703B003

Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV

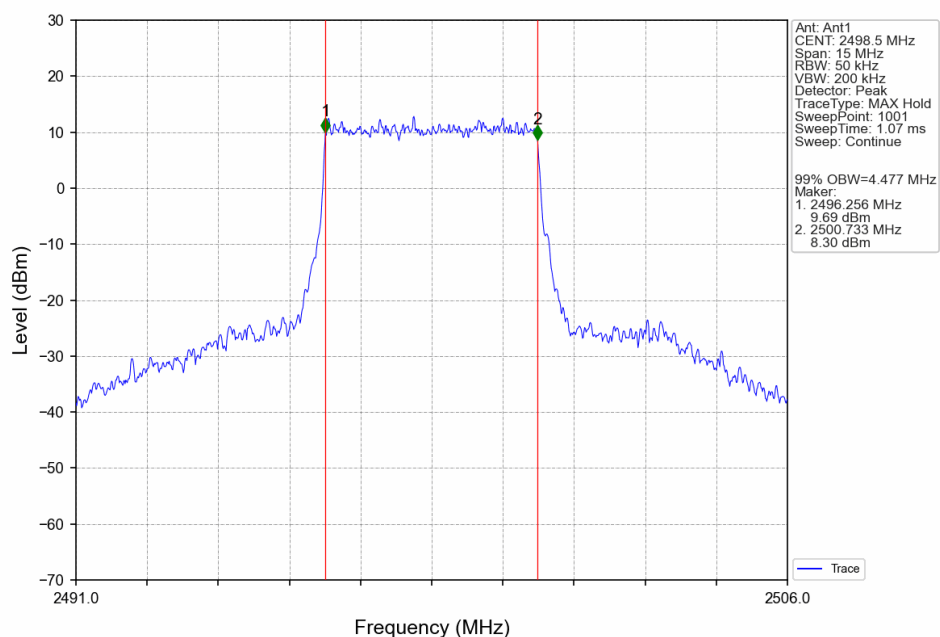


Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV

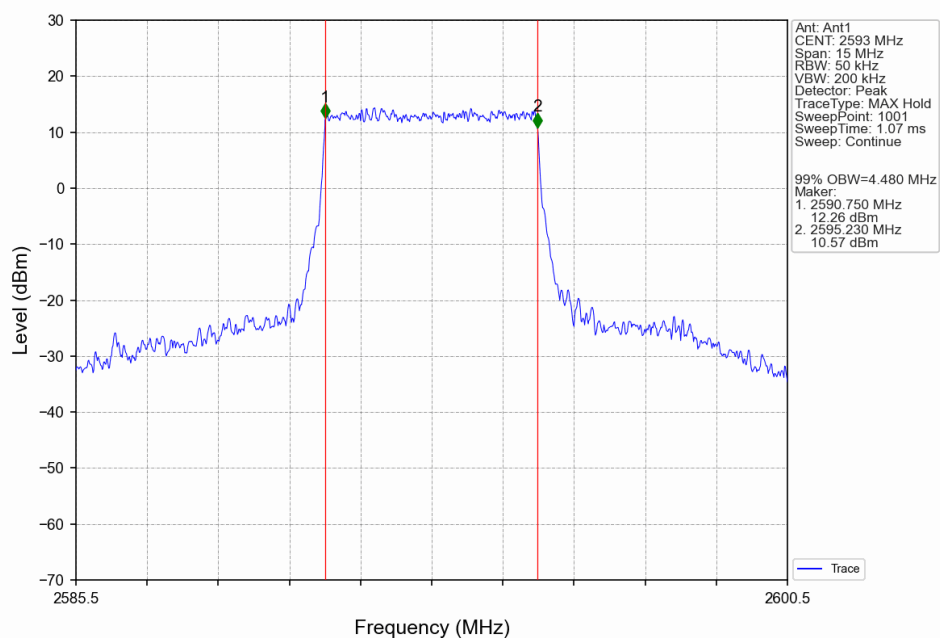


Test Report No.: RF260703B003

Band41_5MHz_64QAM_LCH_2498.5MHz_RB_25_0_NTNV



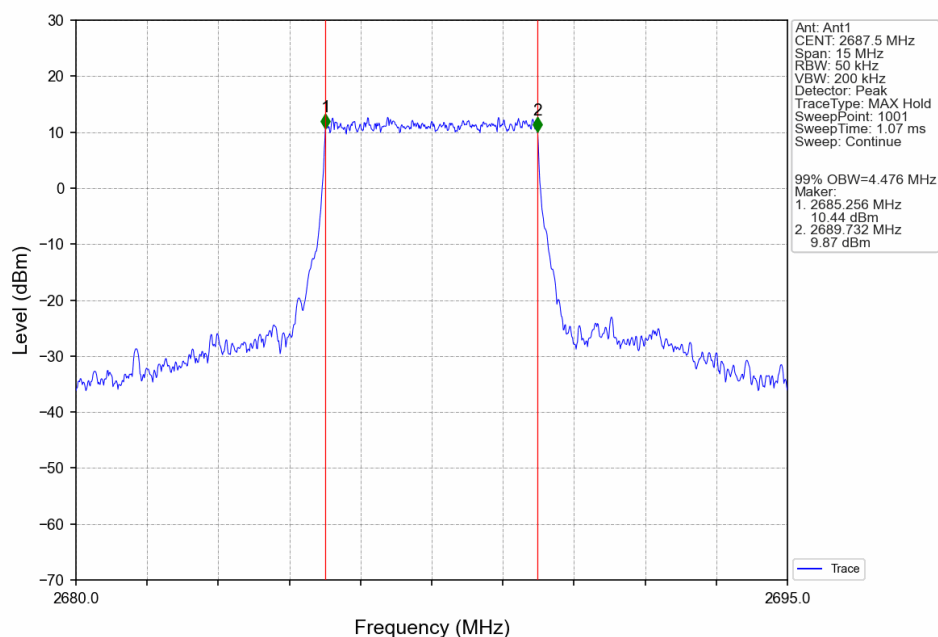
Band41_5MHz_64QAM_MCH_2593MHz_RB_25_0_NTNV



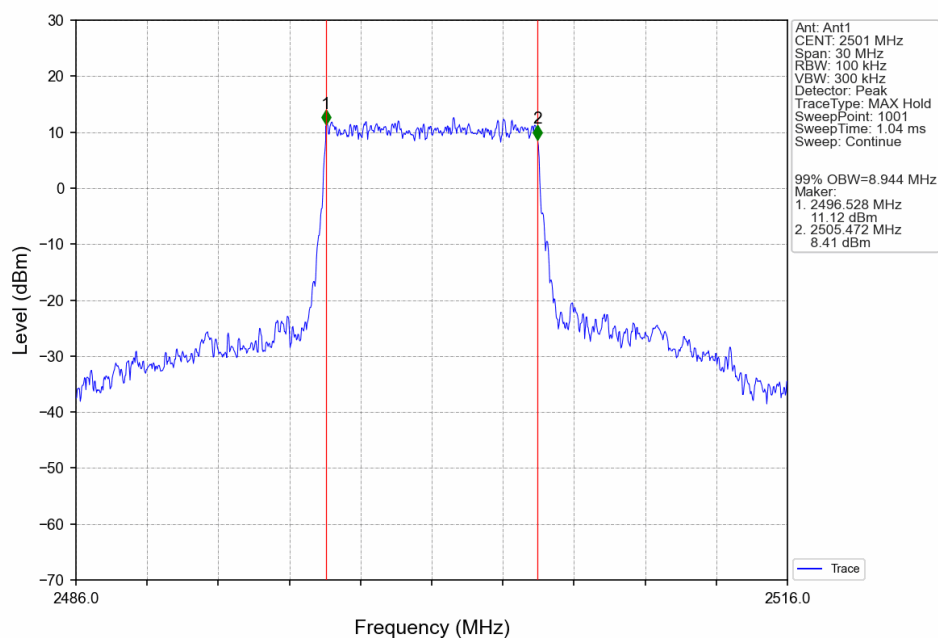


Test Report No.: RF260703B003

Band41_5MHz_64QAM_HCH_2687.5MHz_RB_25_0_NTNV



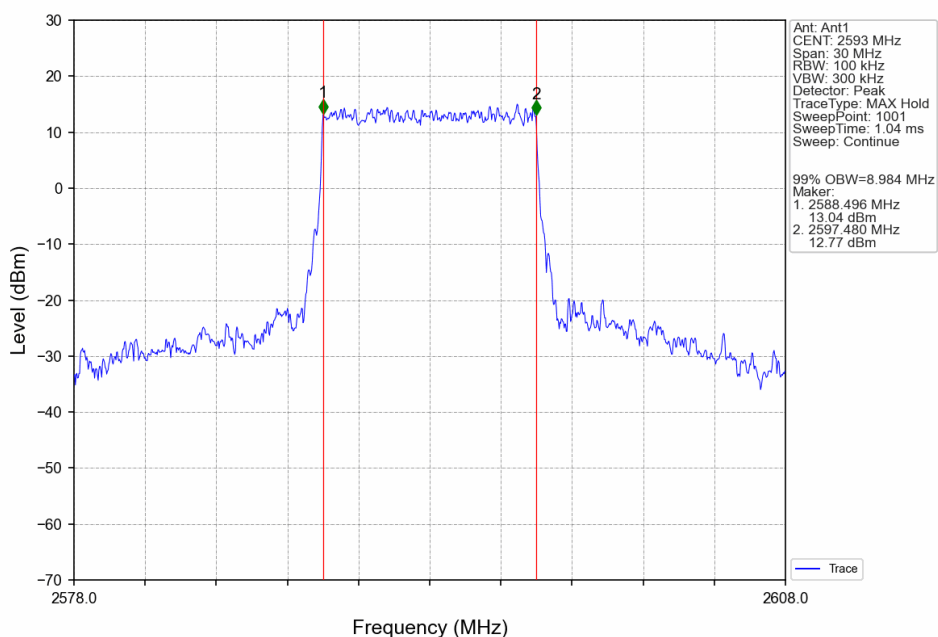
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



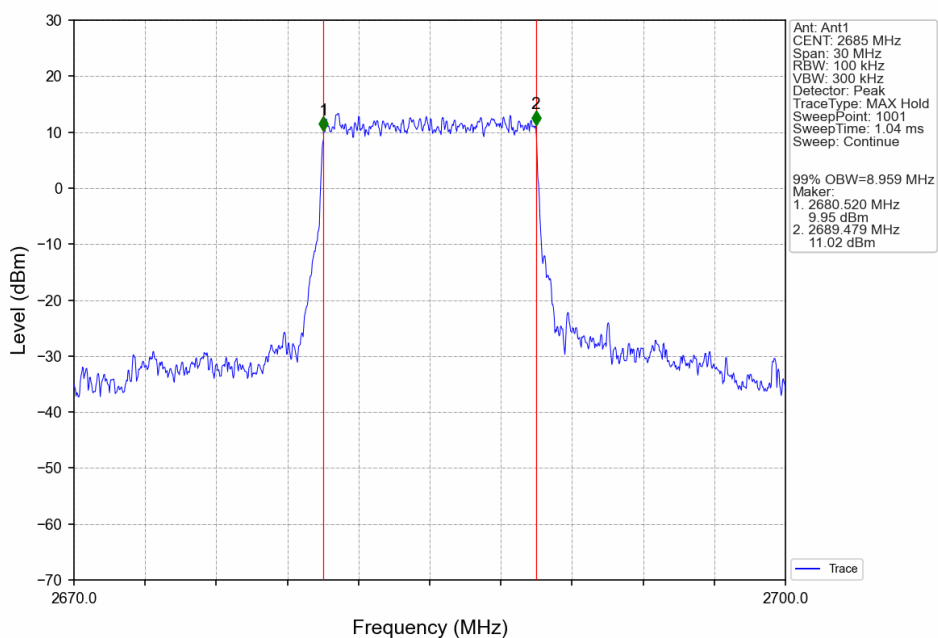


Test Report No.: RF260703B003

Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV

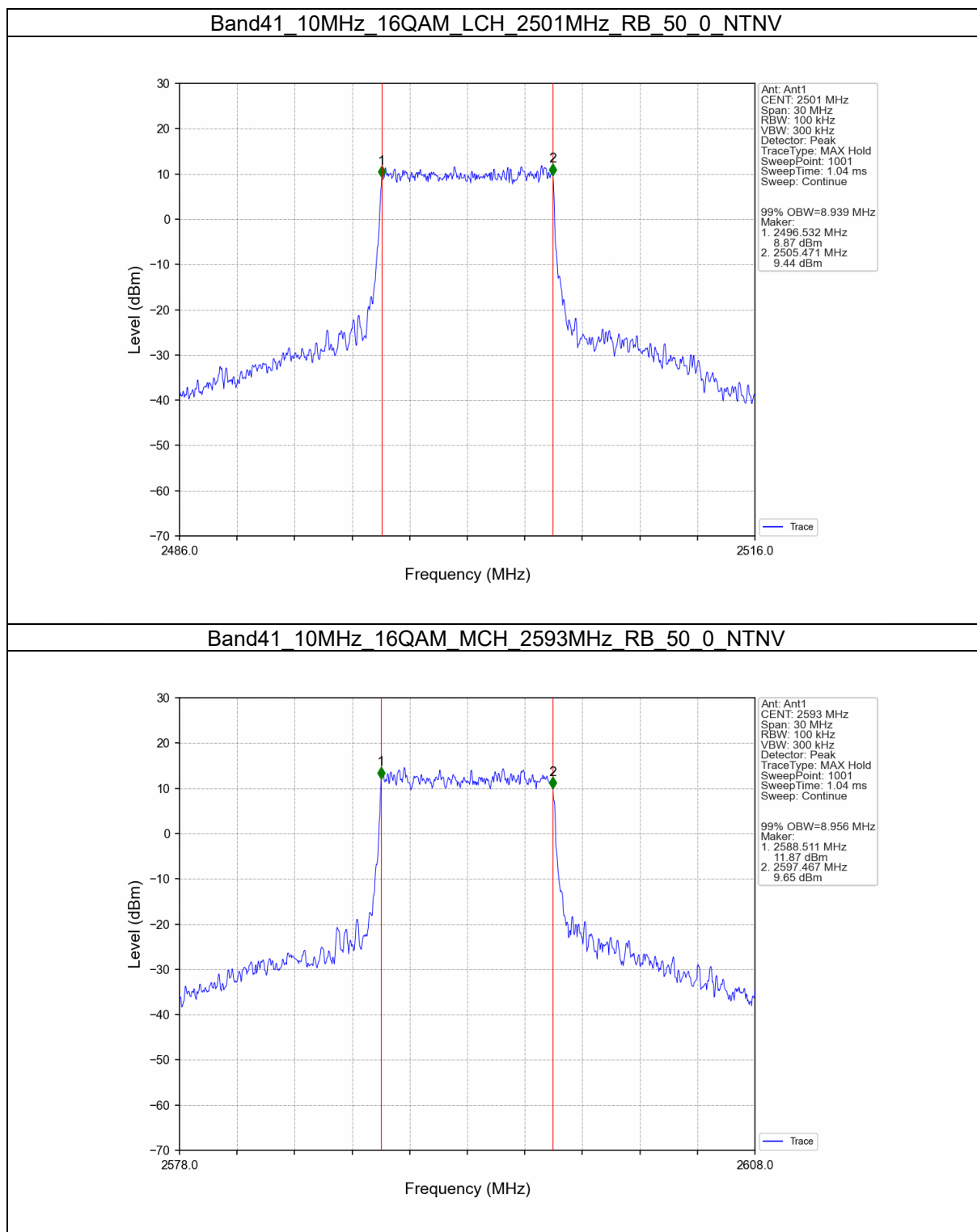


Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV





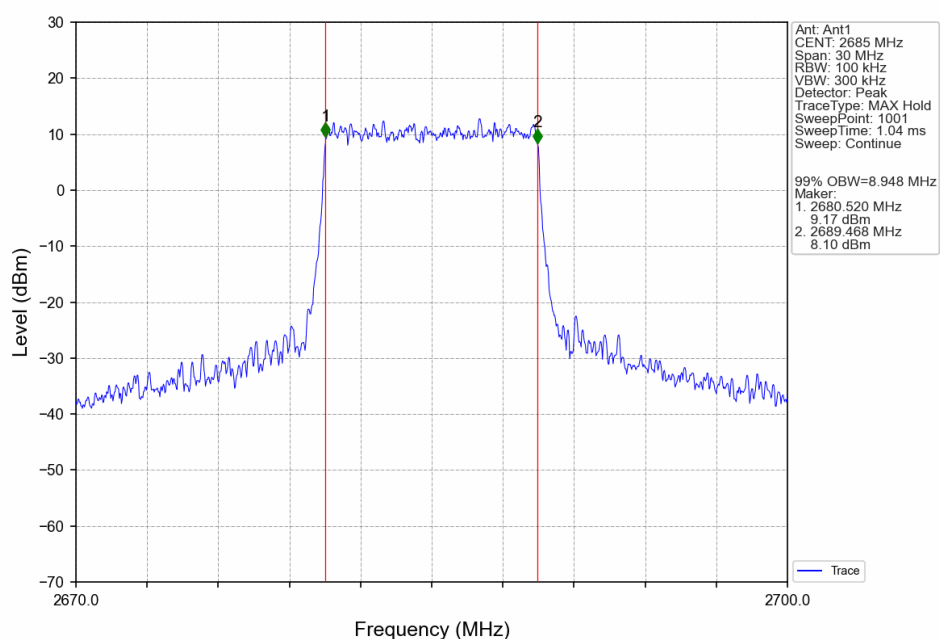
Test Report No.: RF260703B003



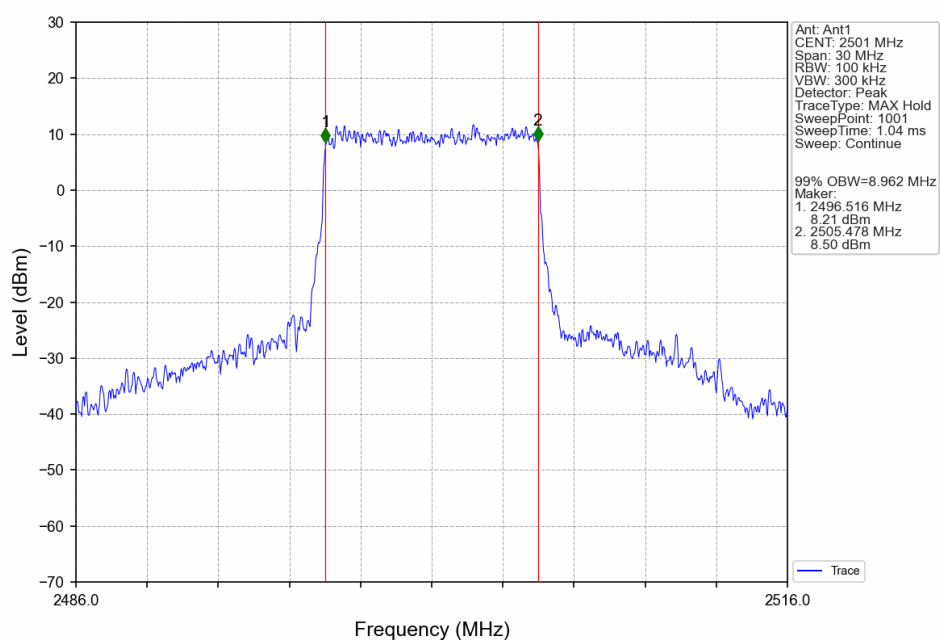


Test Report No.: RF260703B003

Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



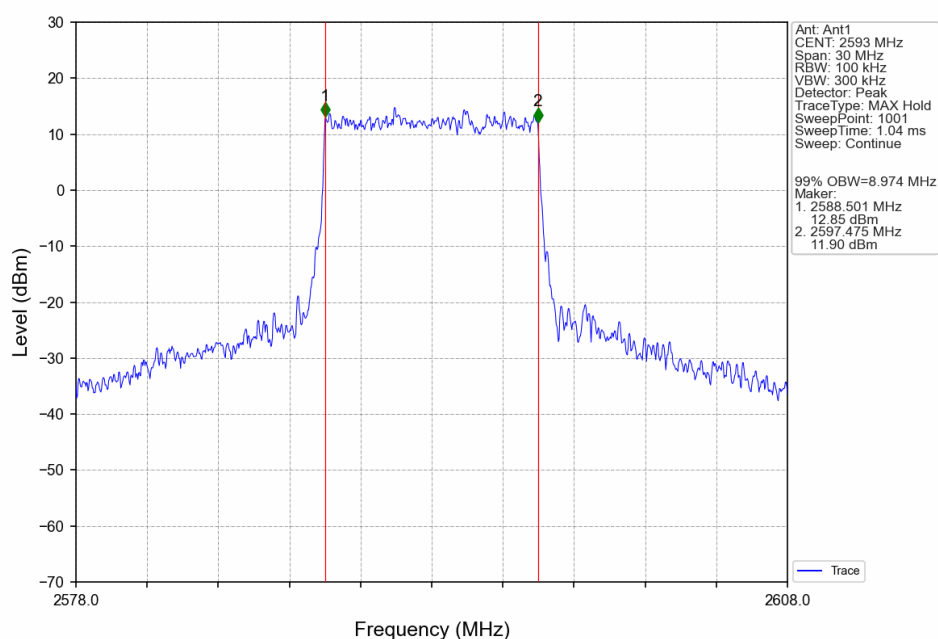
Band41_10MHz_64QAM_LCH_2501MHz_RB_50_0_NTNV



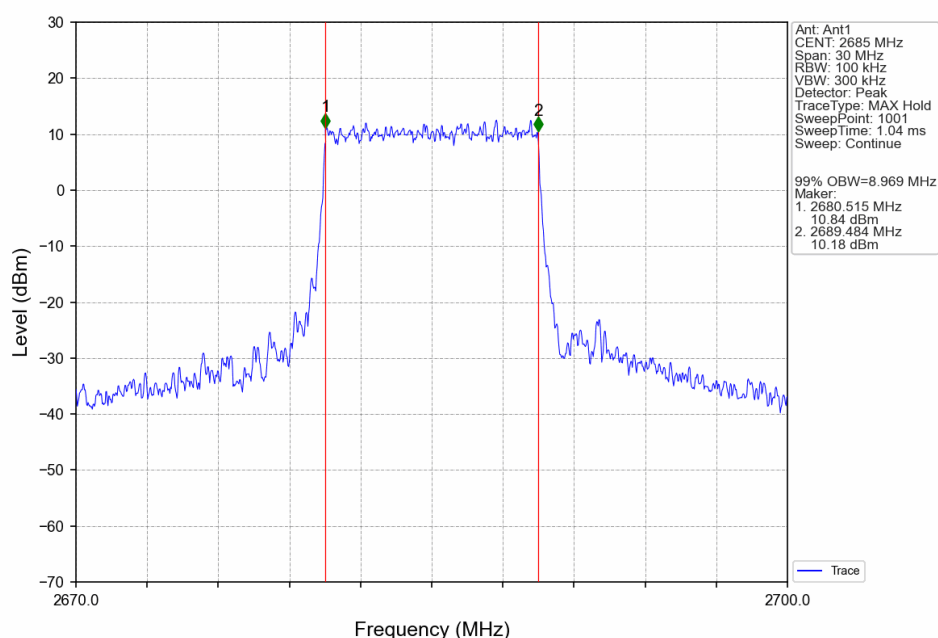


Test Report No.: RF260703B003

Band41_10MHz_64QAM_MCH_2593MHz_RB_50_0_NTNV

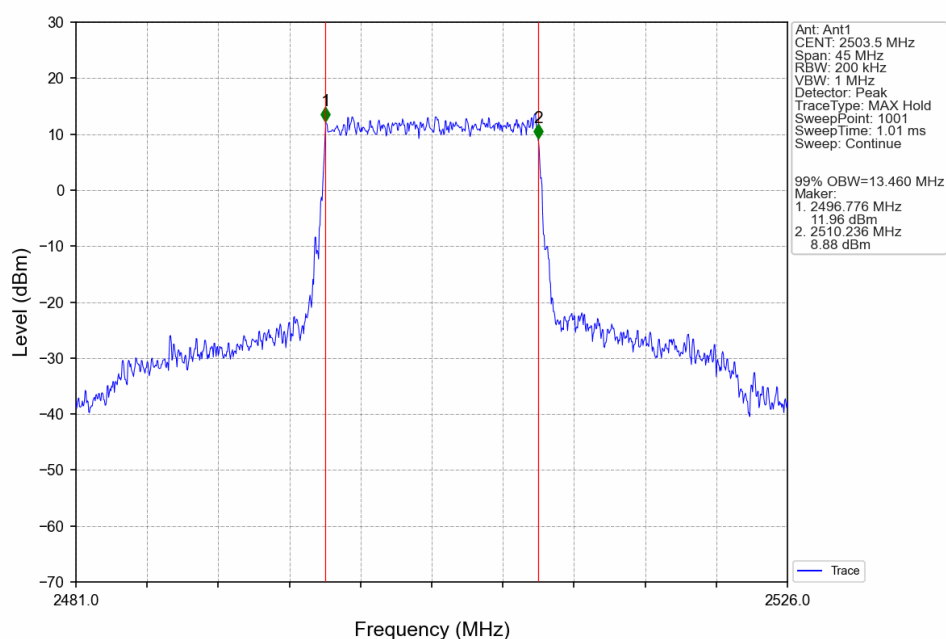


Band41_10MHz_64QAM_HCH_2685MHz_RB_50_0_NTNV

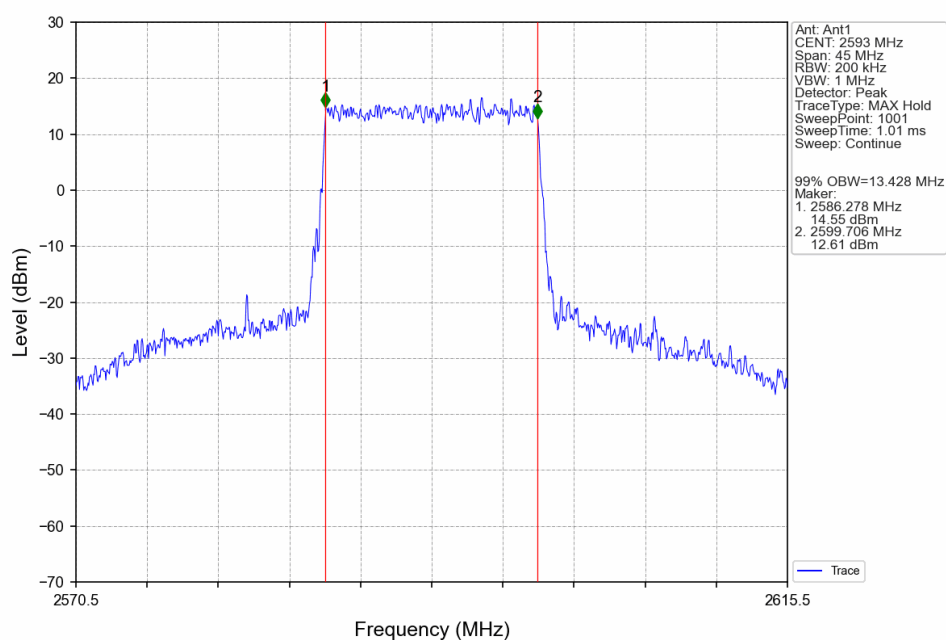


Test Report No.: RF260703B003

Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



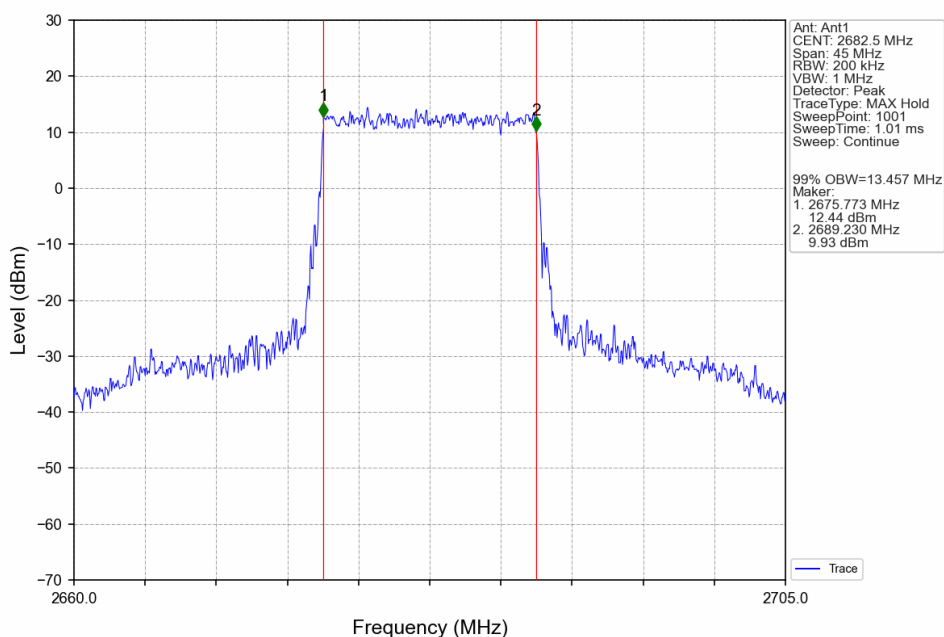
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV





Test Report No.: RF260703B003

Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV

