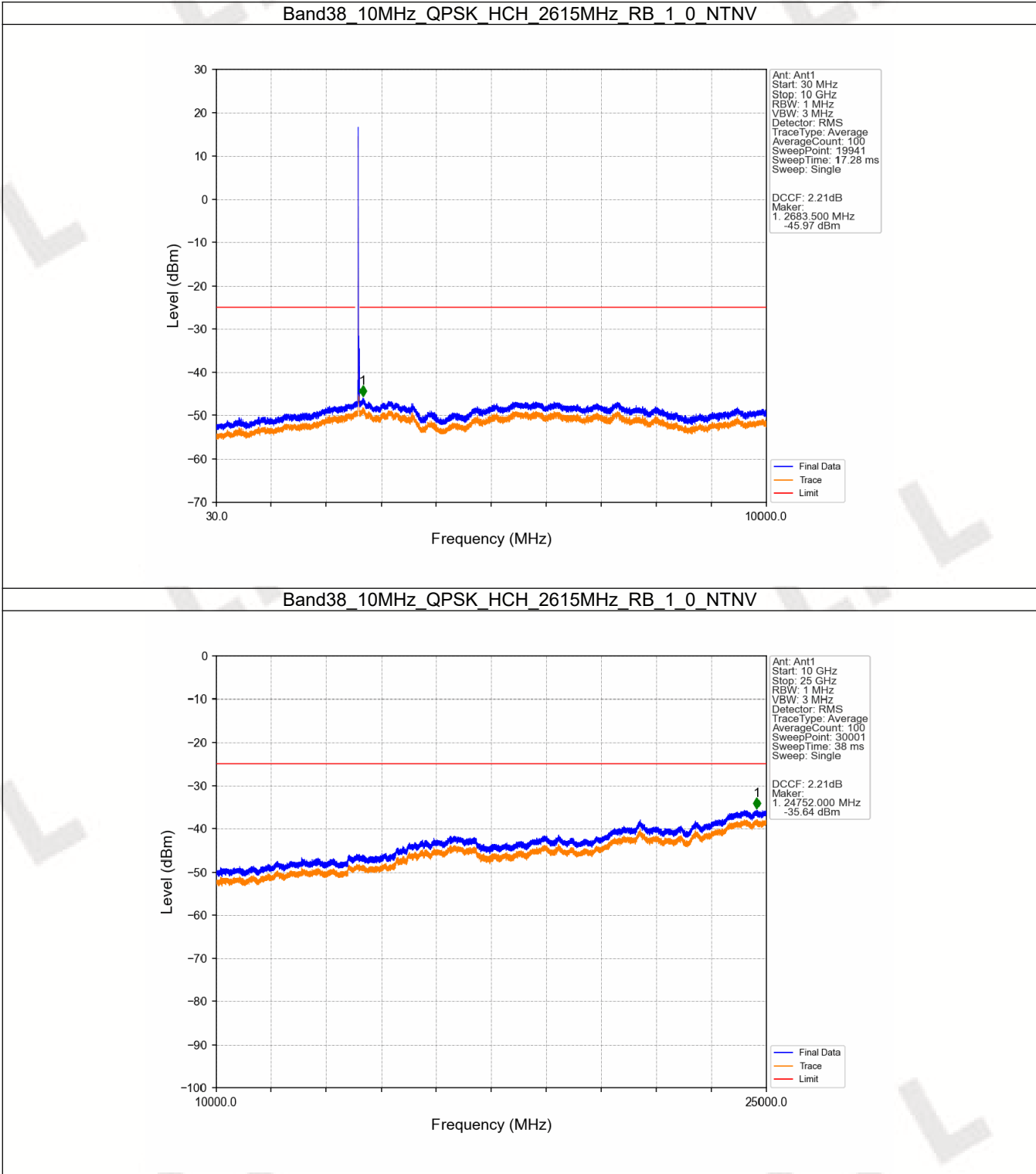
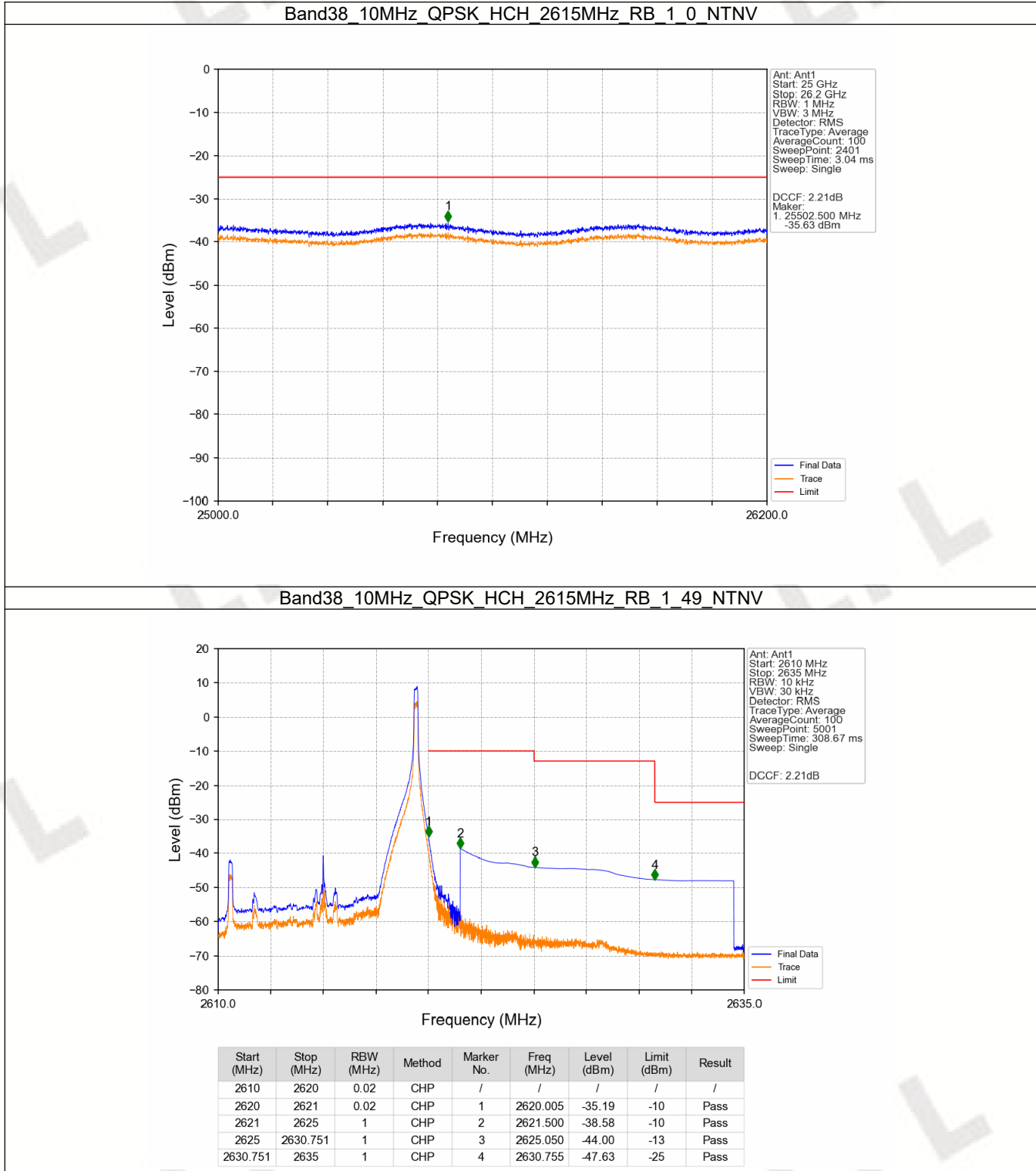


FCC ID: 2BDI3-RUGGEDULTRA



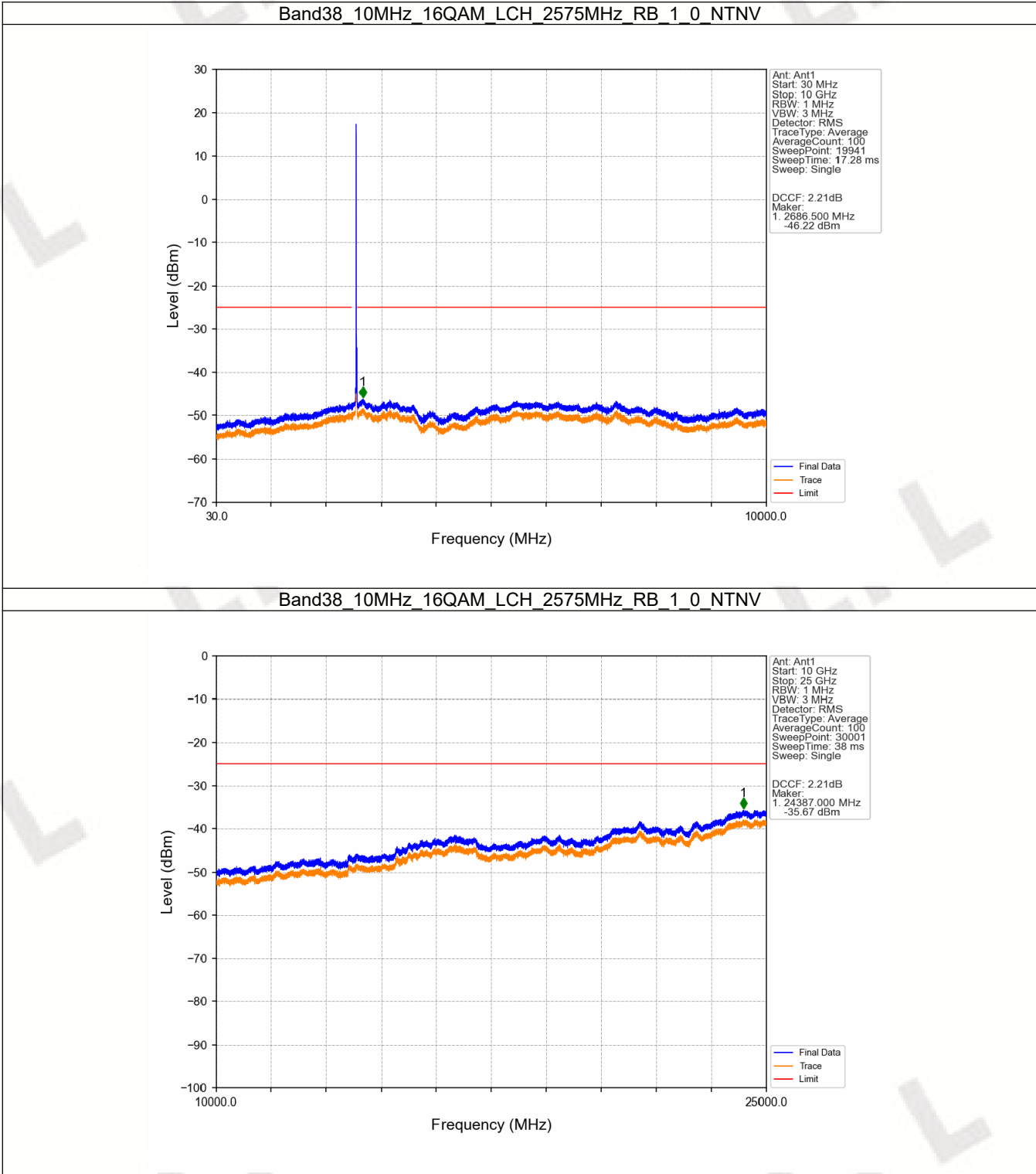
FCC ID: 2BDI3-RUGGEDULTRA



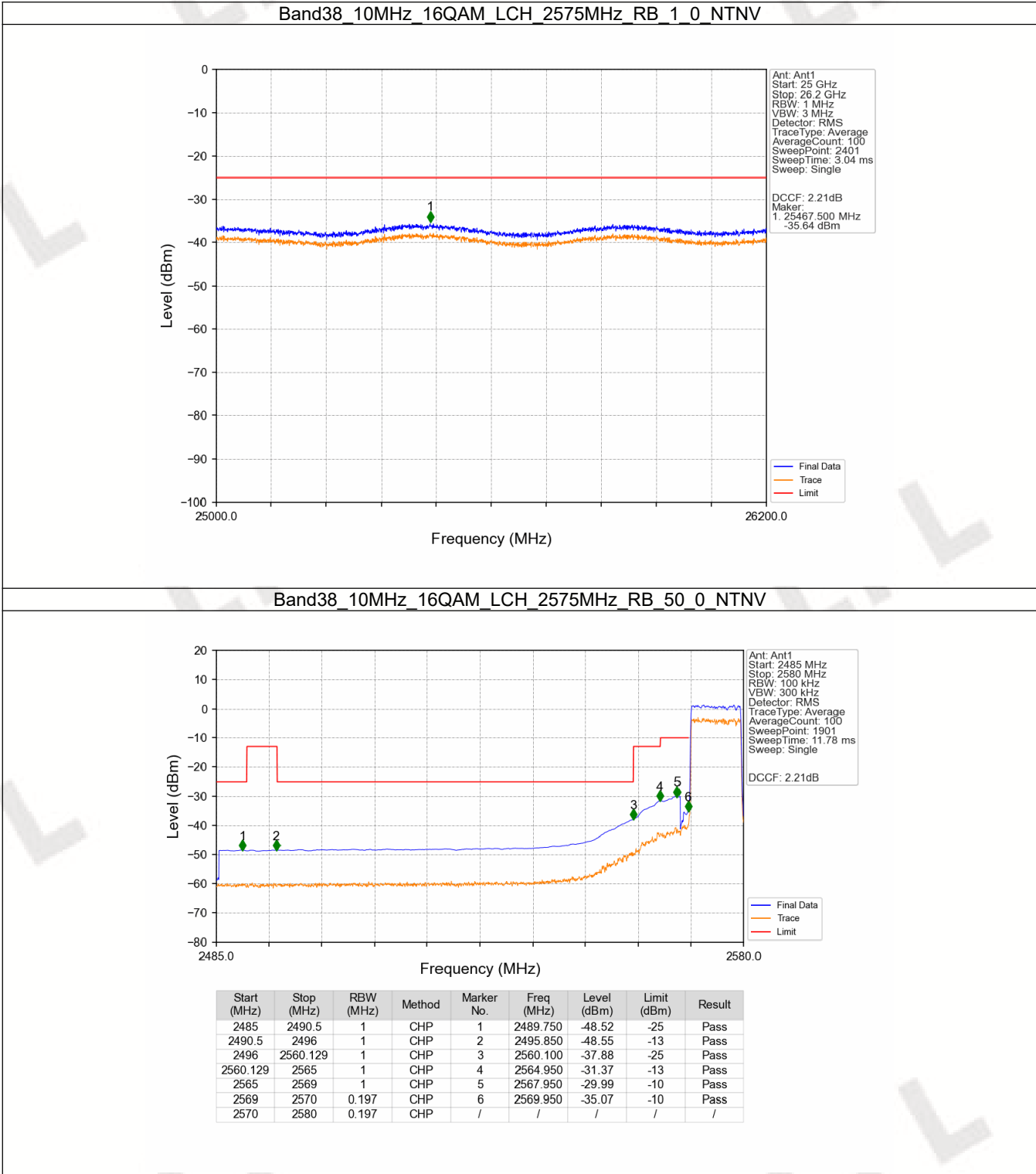
FCC ID: 2BDI3-RUGGEDULTRA



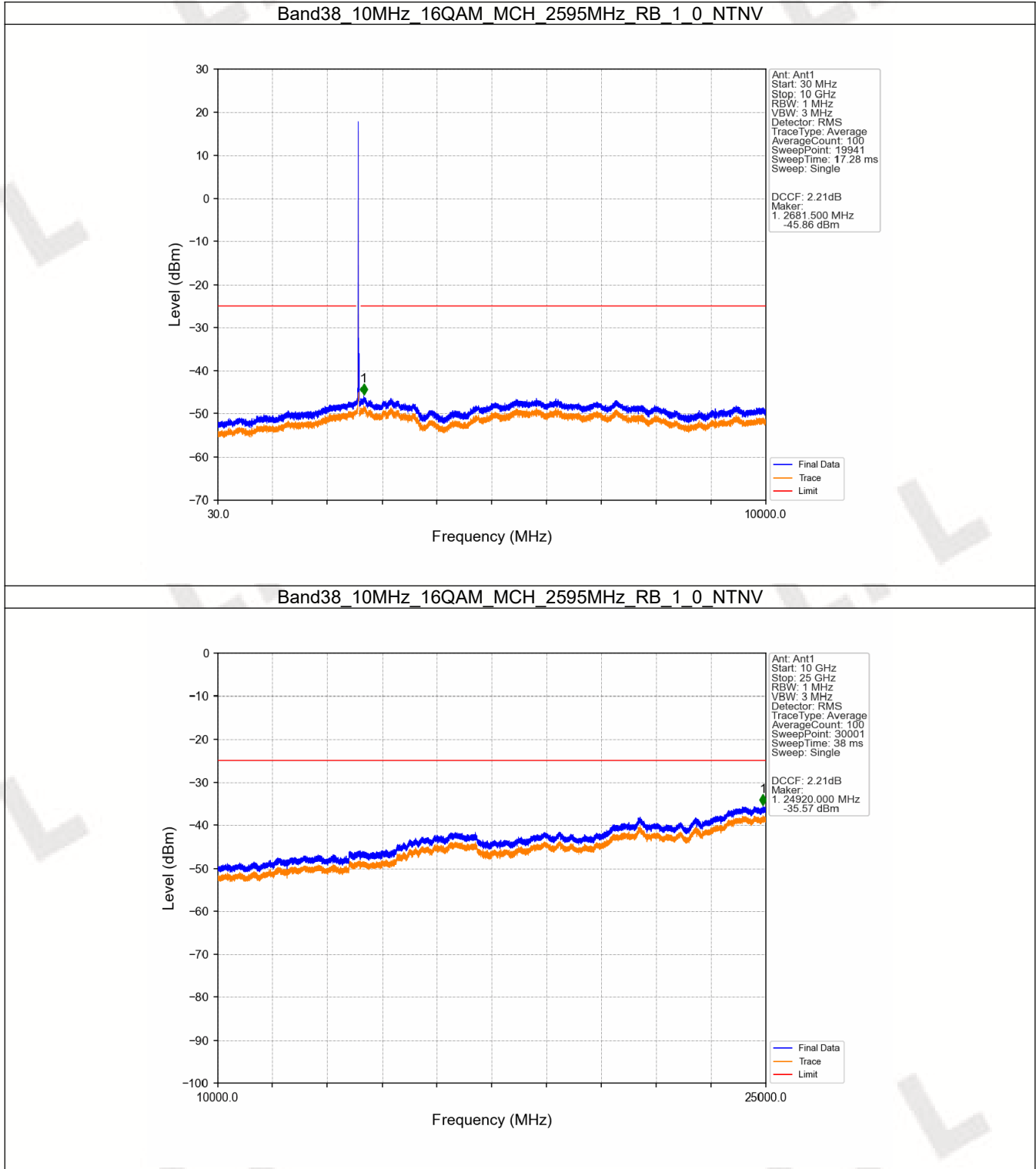
FCC ID: 2BDI3-RUGGEDULTRA



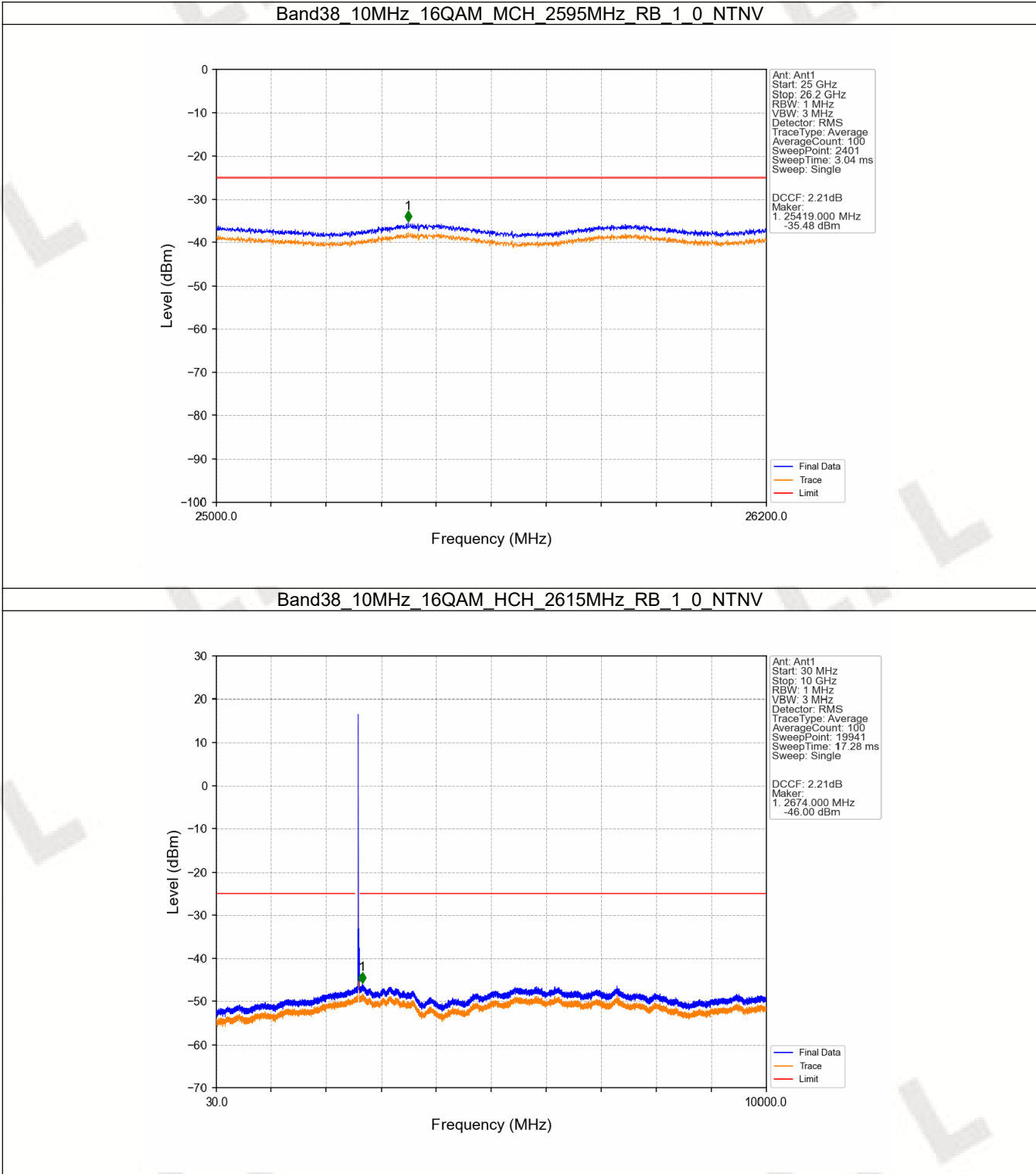
FCC ID: 2BDI3-RUGGEDULTRA



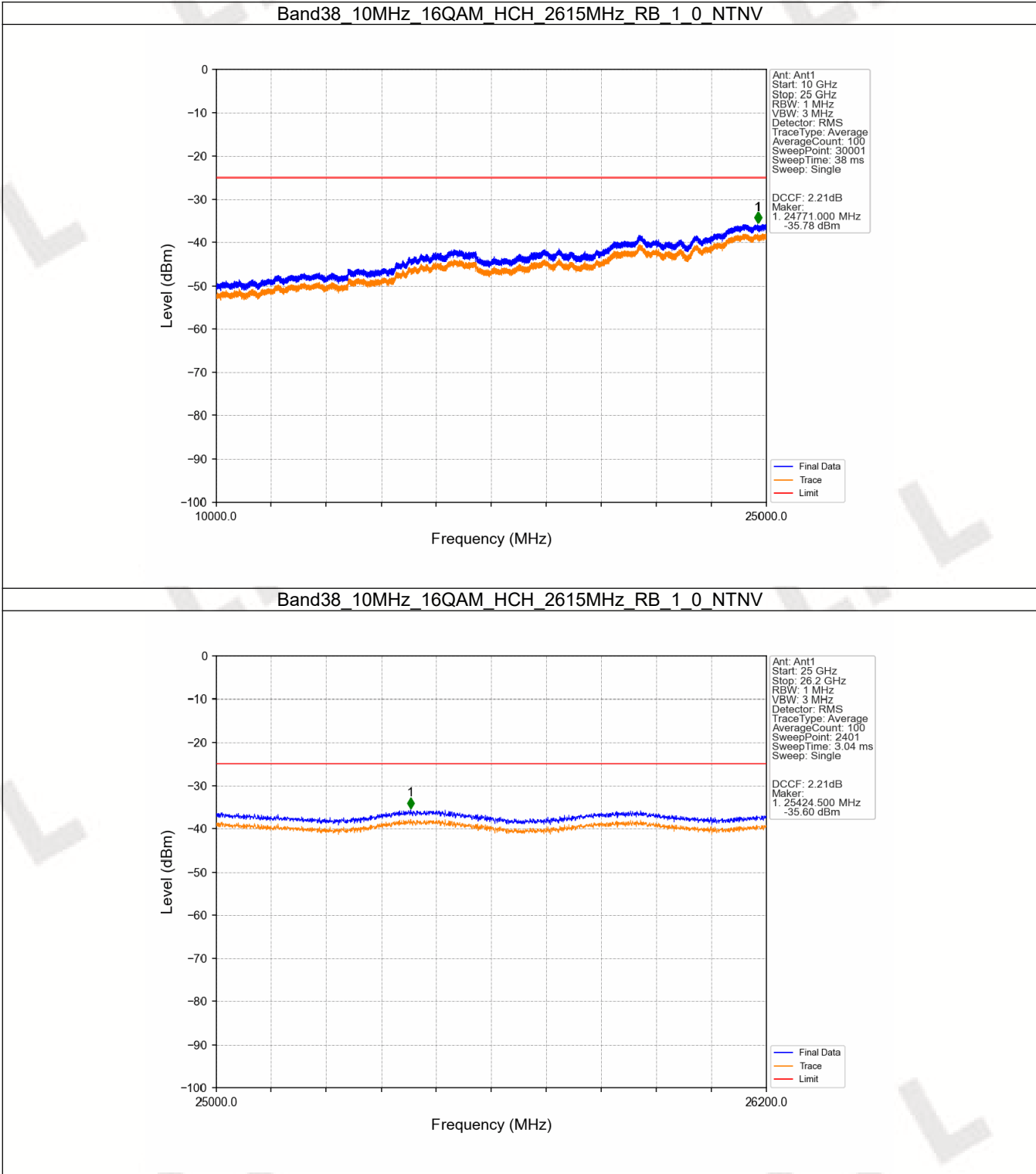
FCC ID: 2BDI3-RUGGEDULTRA



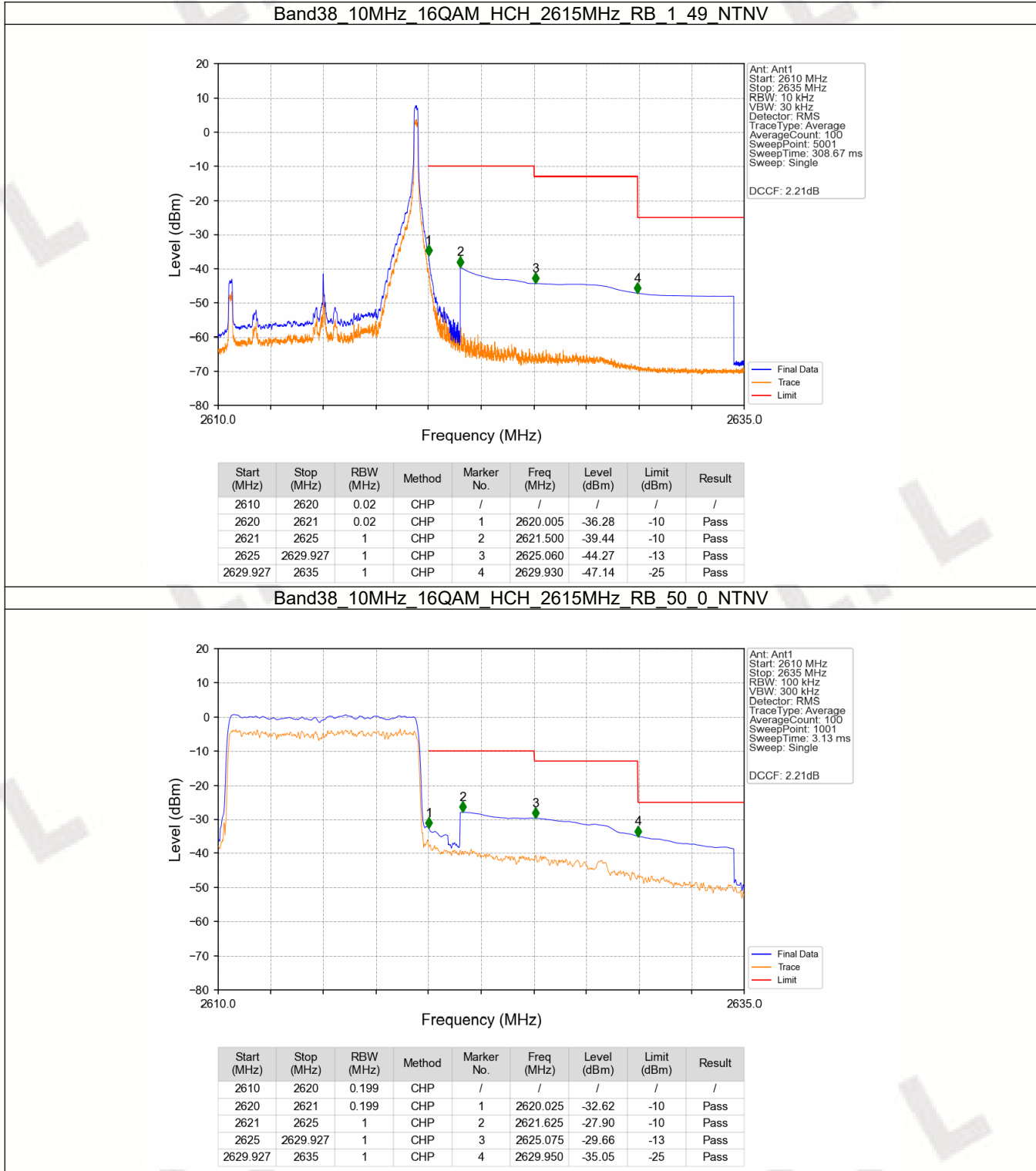
FCC ID: 2BDI3-RUGGEDULTRA



FCC ID: 2BDI3-RUGGEDULTRA

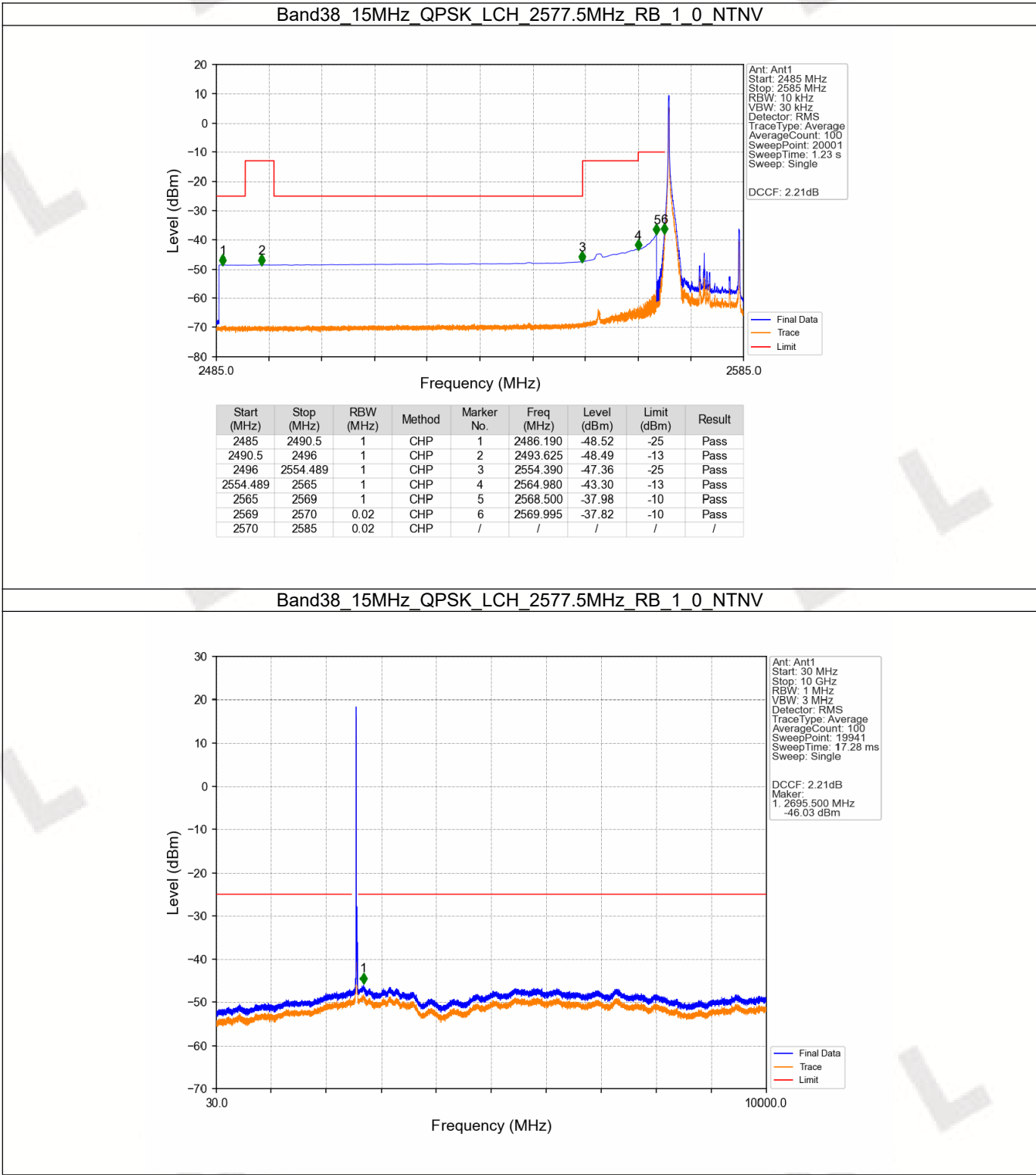


FCC ID: 2BDI3-RUGGEDULTRA

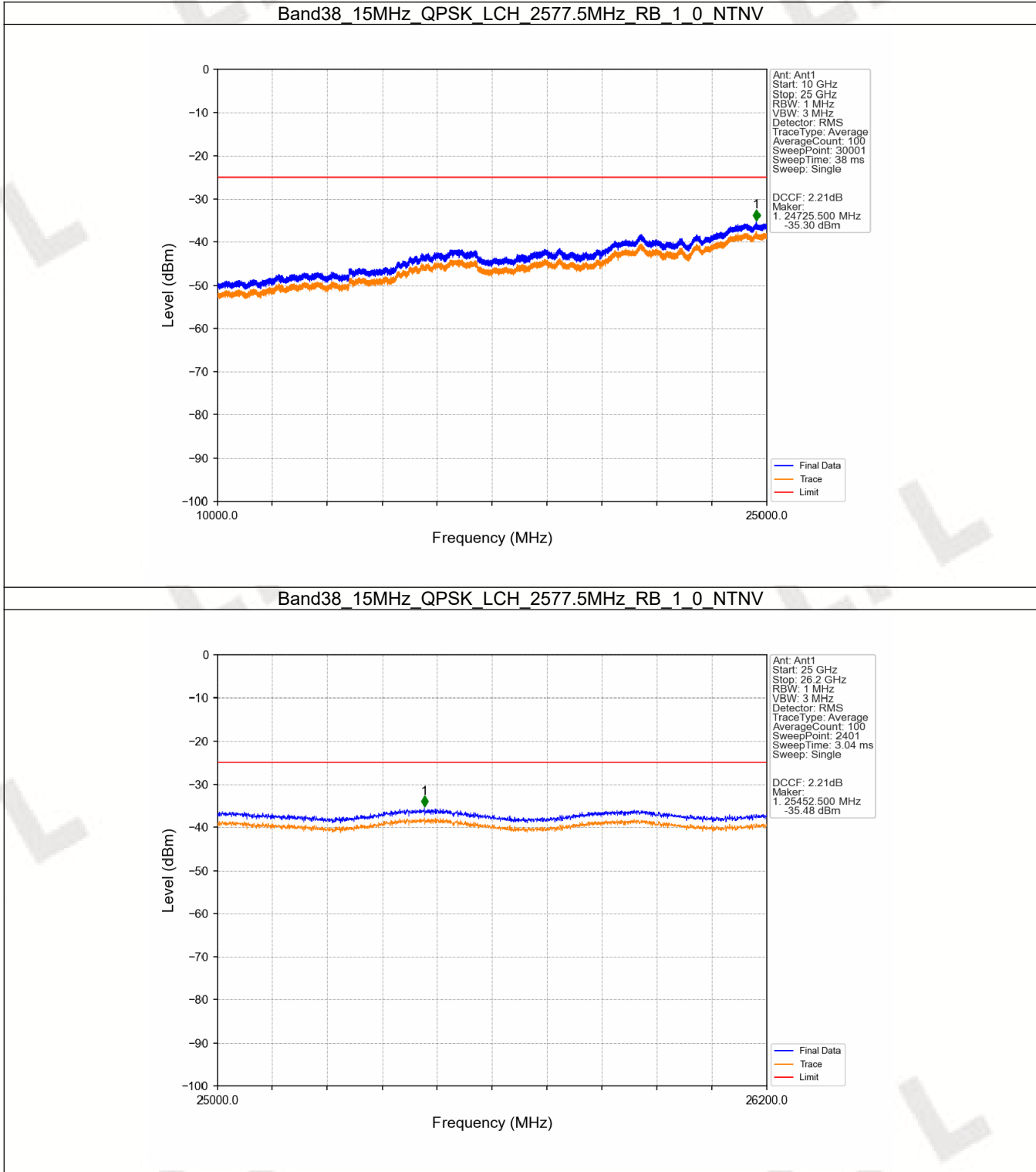


FCC ID: 2BDI3-RUGGEDULTRA

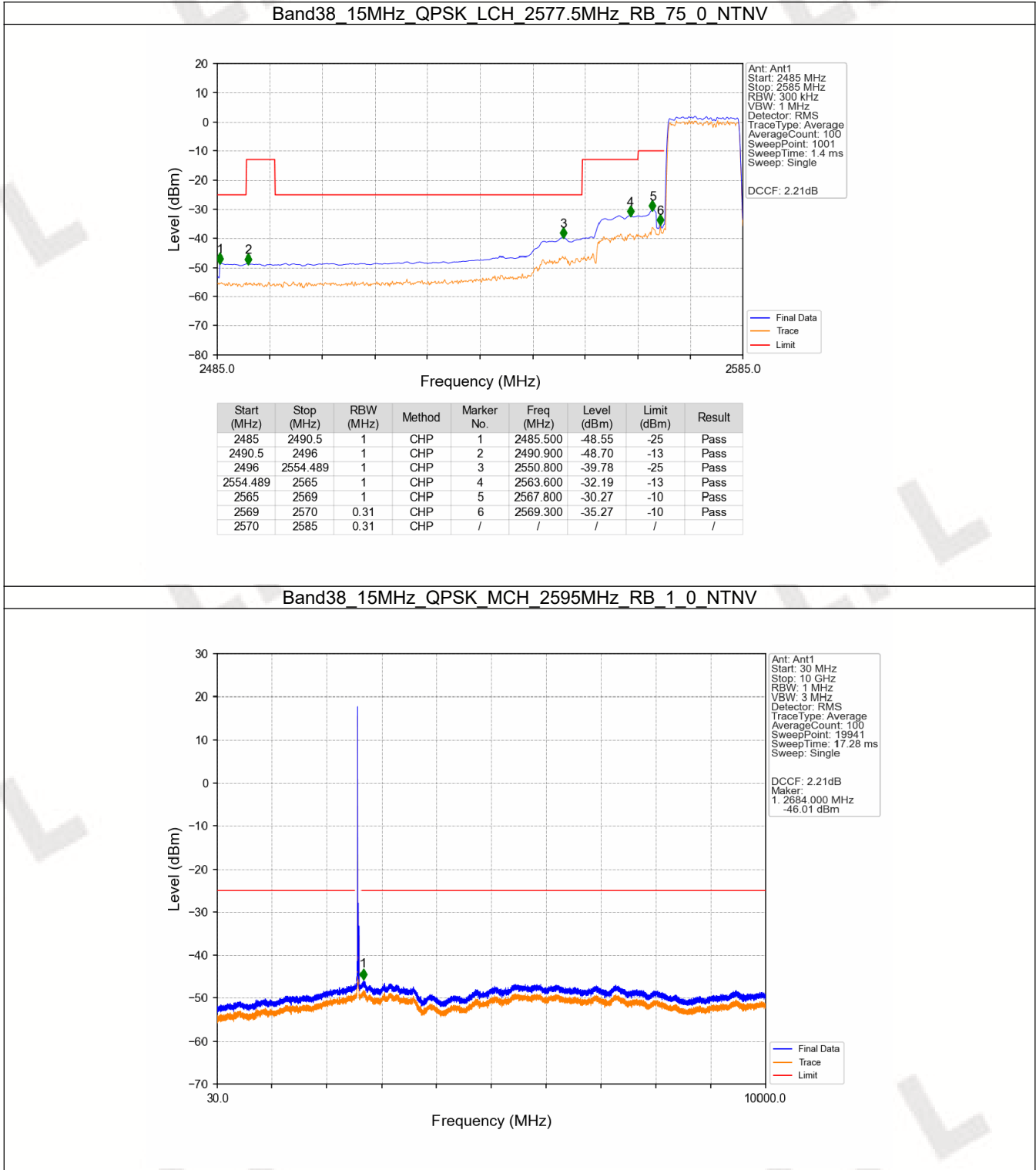
6.2.3 B38_15MHz



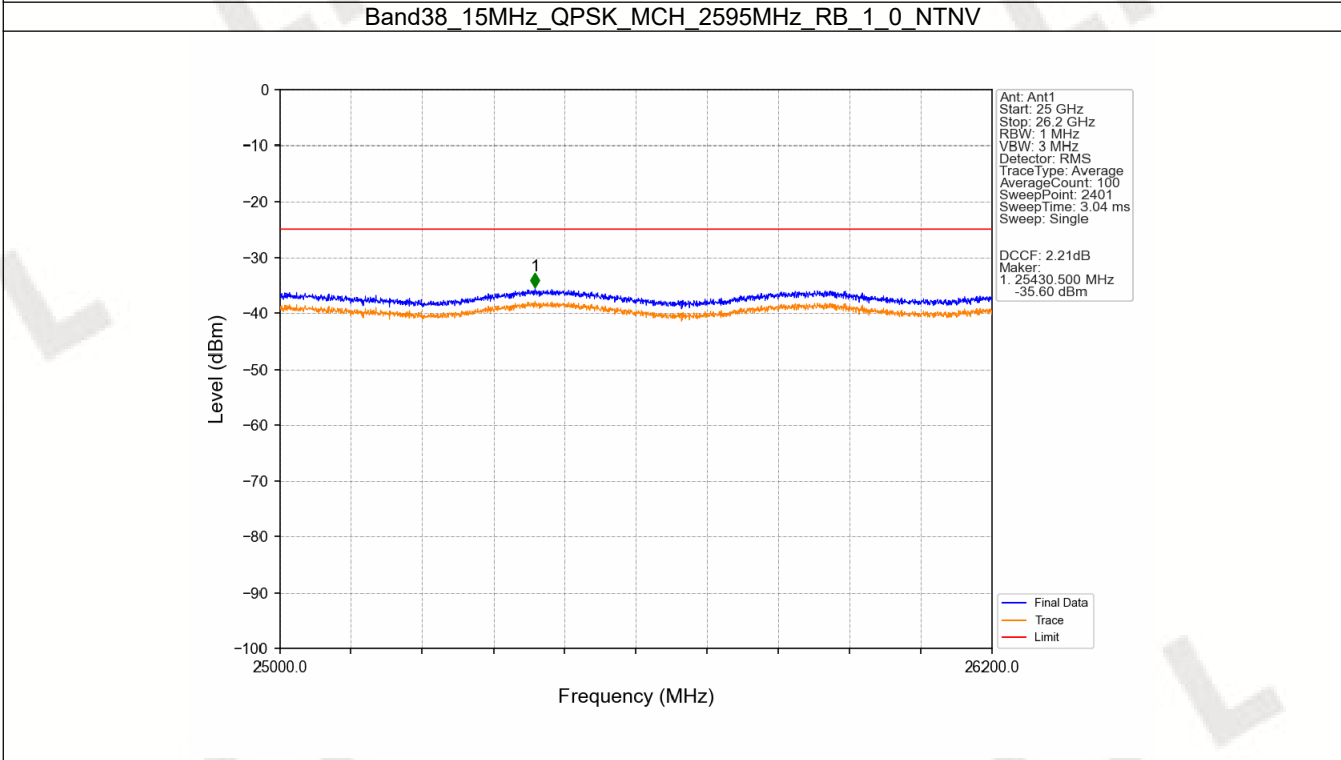
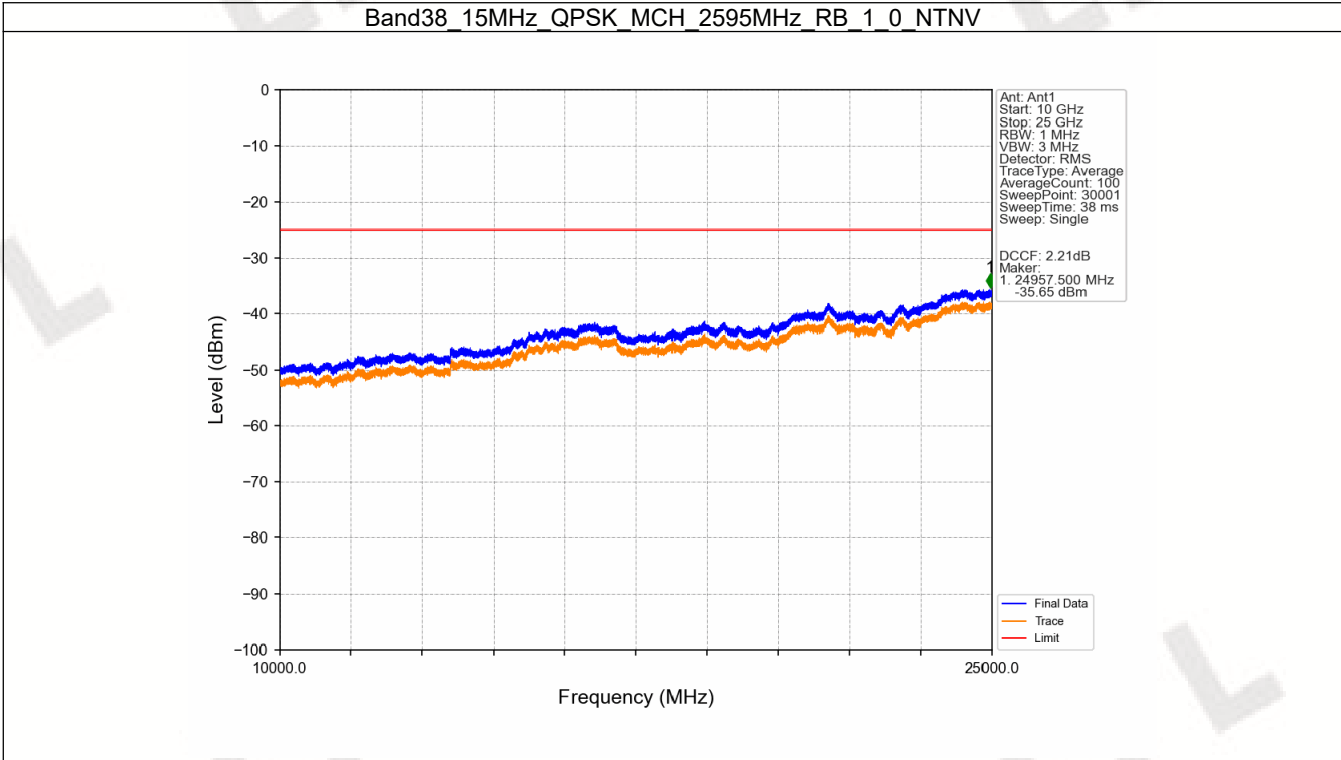
FCC ID: 2BDI3-RUGGEDULTRA



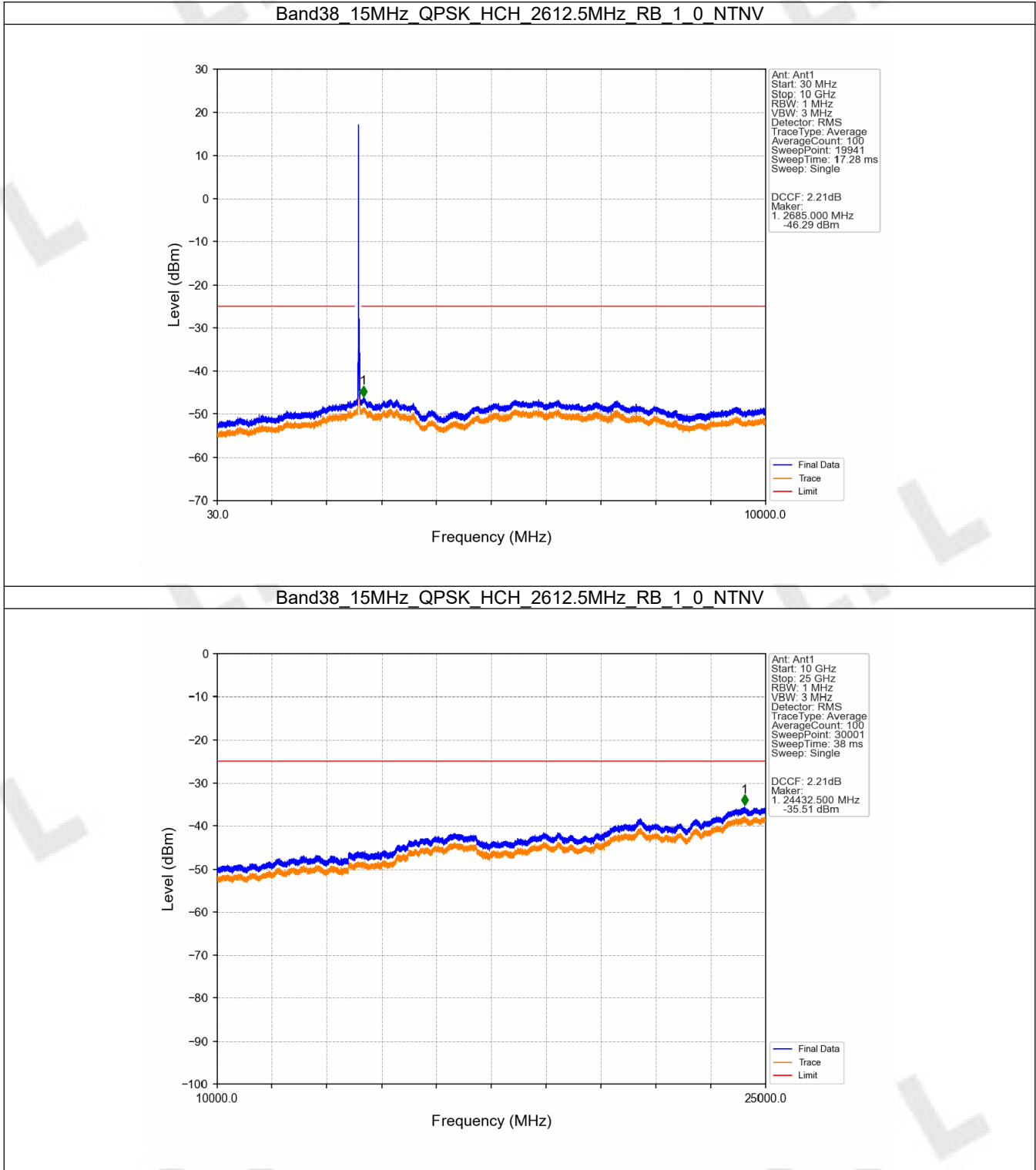
FCC ID: 2BDI3-RUGGEDULTRA



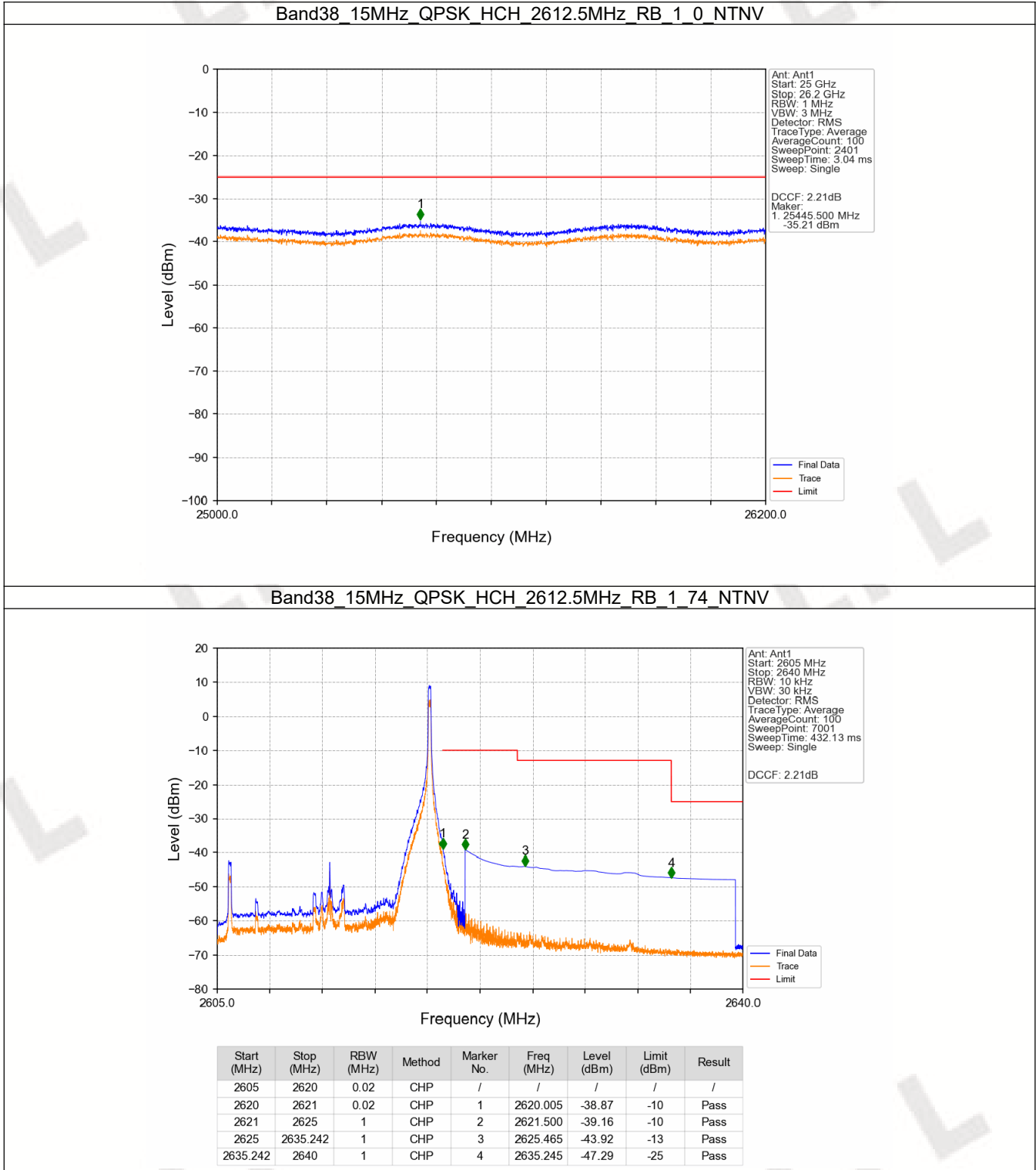
FCC ID: 2BDI3-RUGGEDULTRA



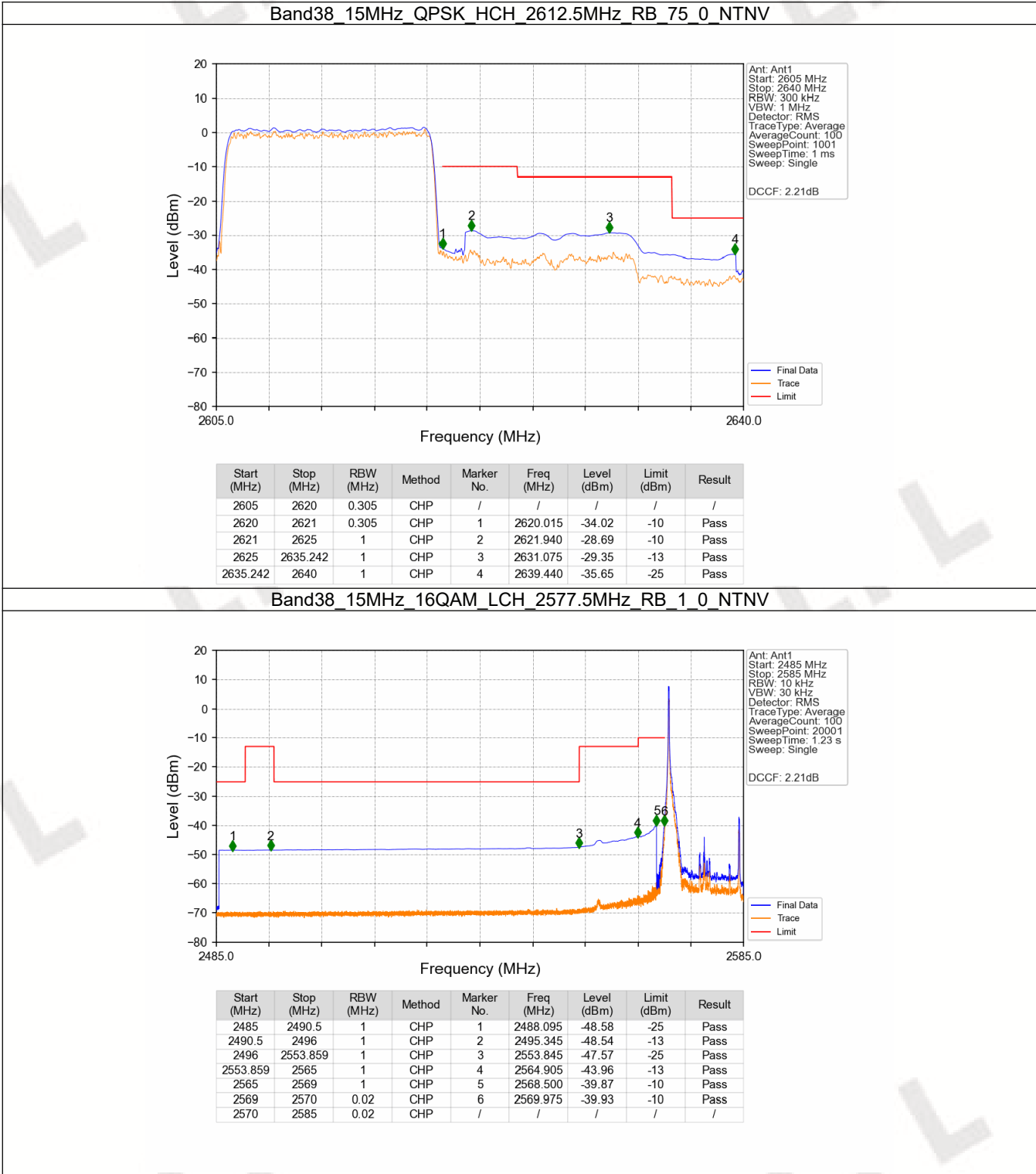
FCC ID: 2BDI3-RUGGEDULTRA



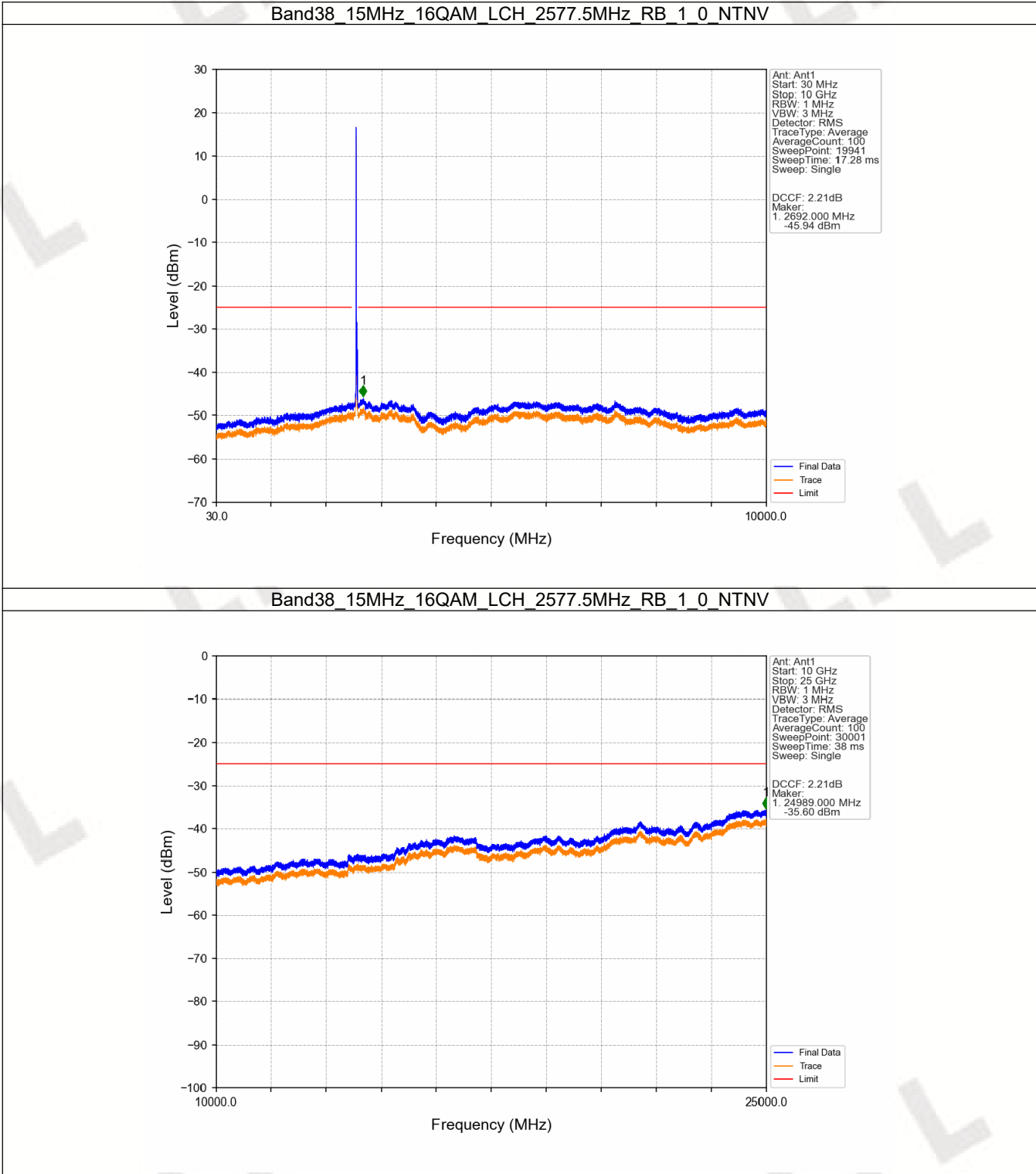
FCC ID: 2BDI3-RUGGEDULTRA



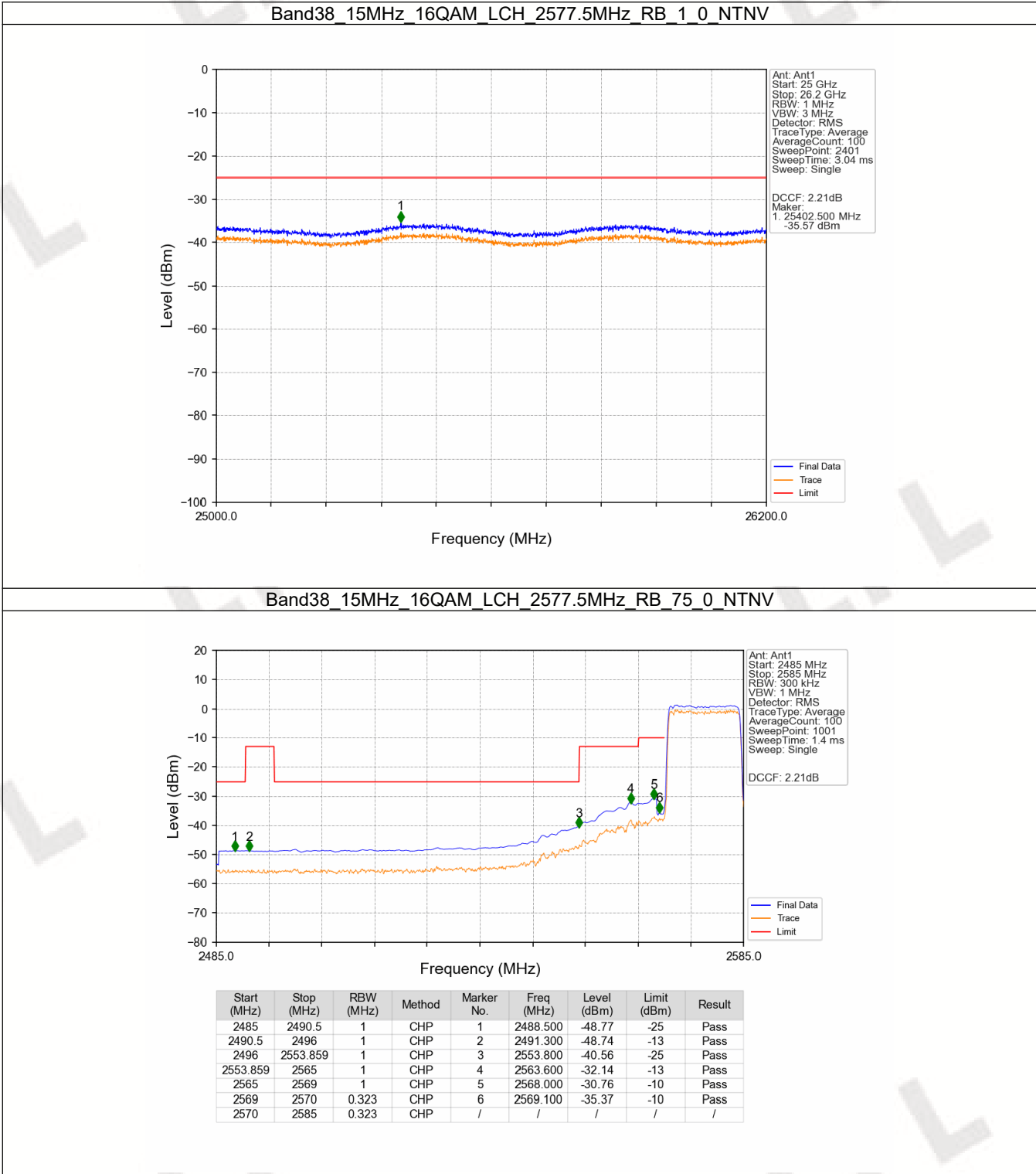
FCC ID: 2BDI3-RUGGEDULTRA



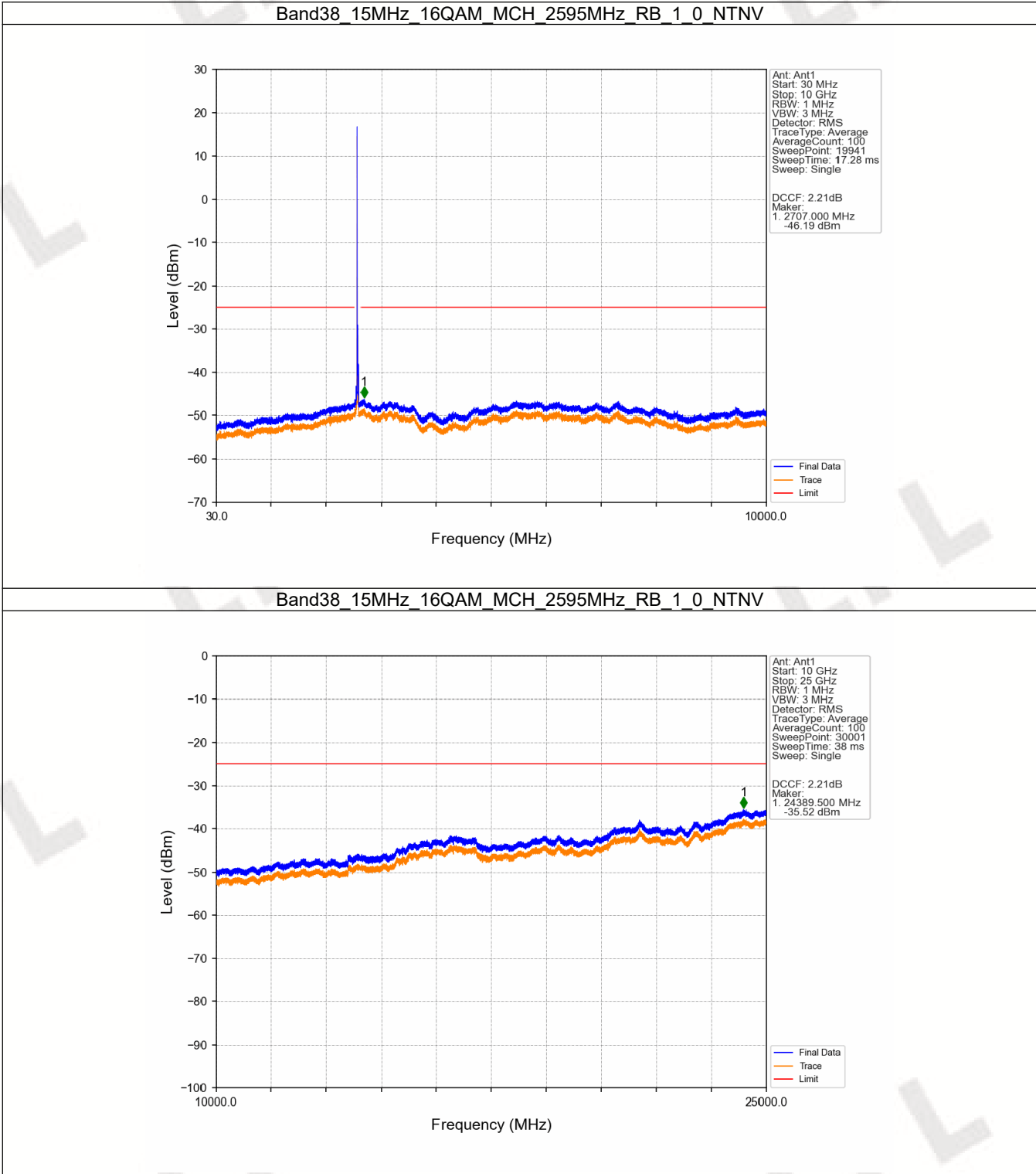
FCC ID: 2BDI3-RUGGEDULTRA



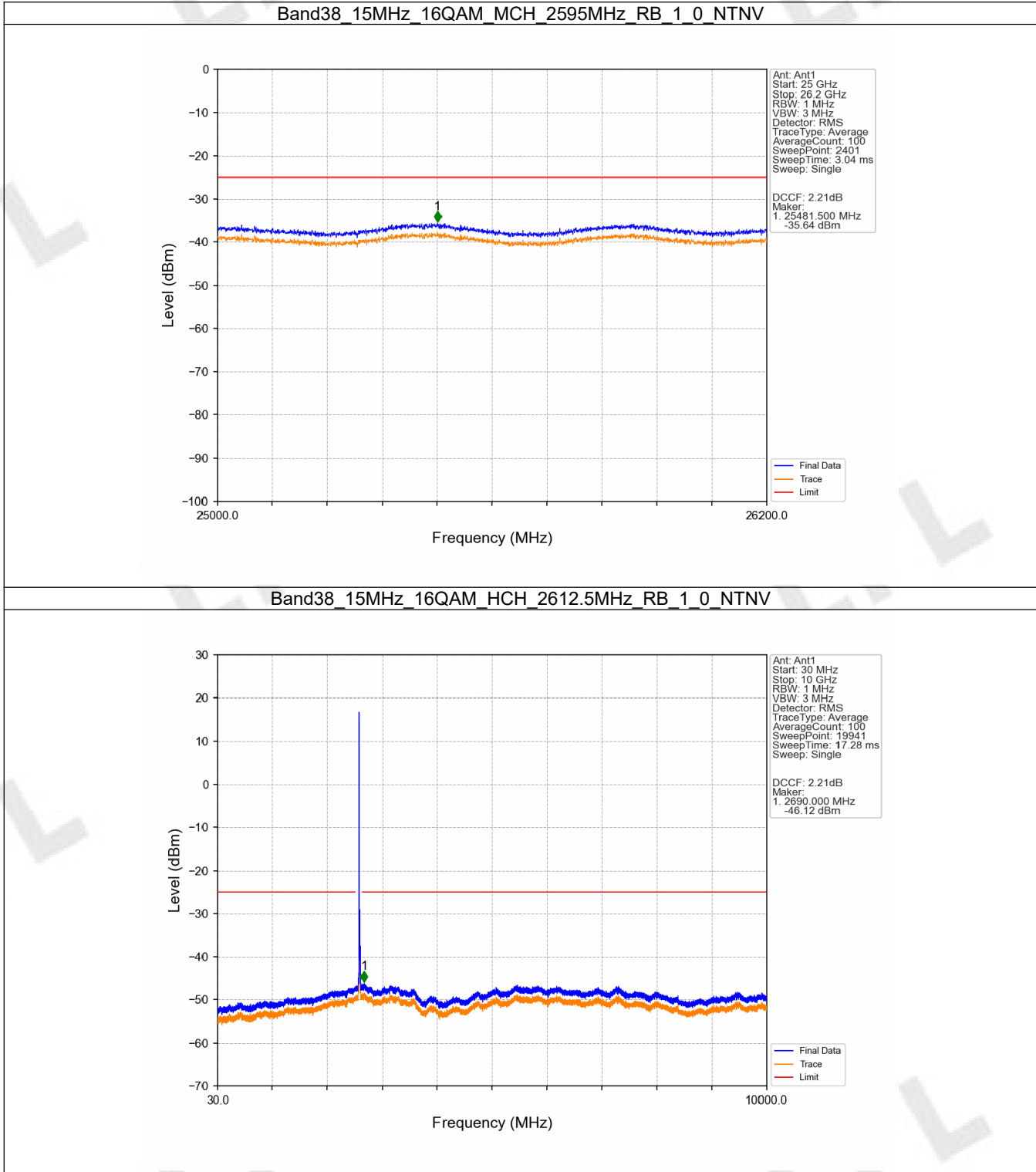
FCC ID: 2BDI3-RUGGEDULTRA



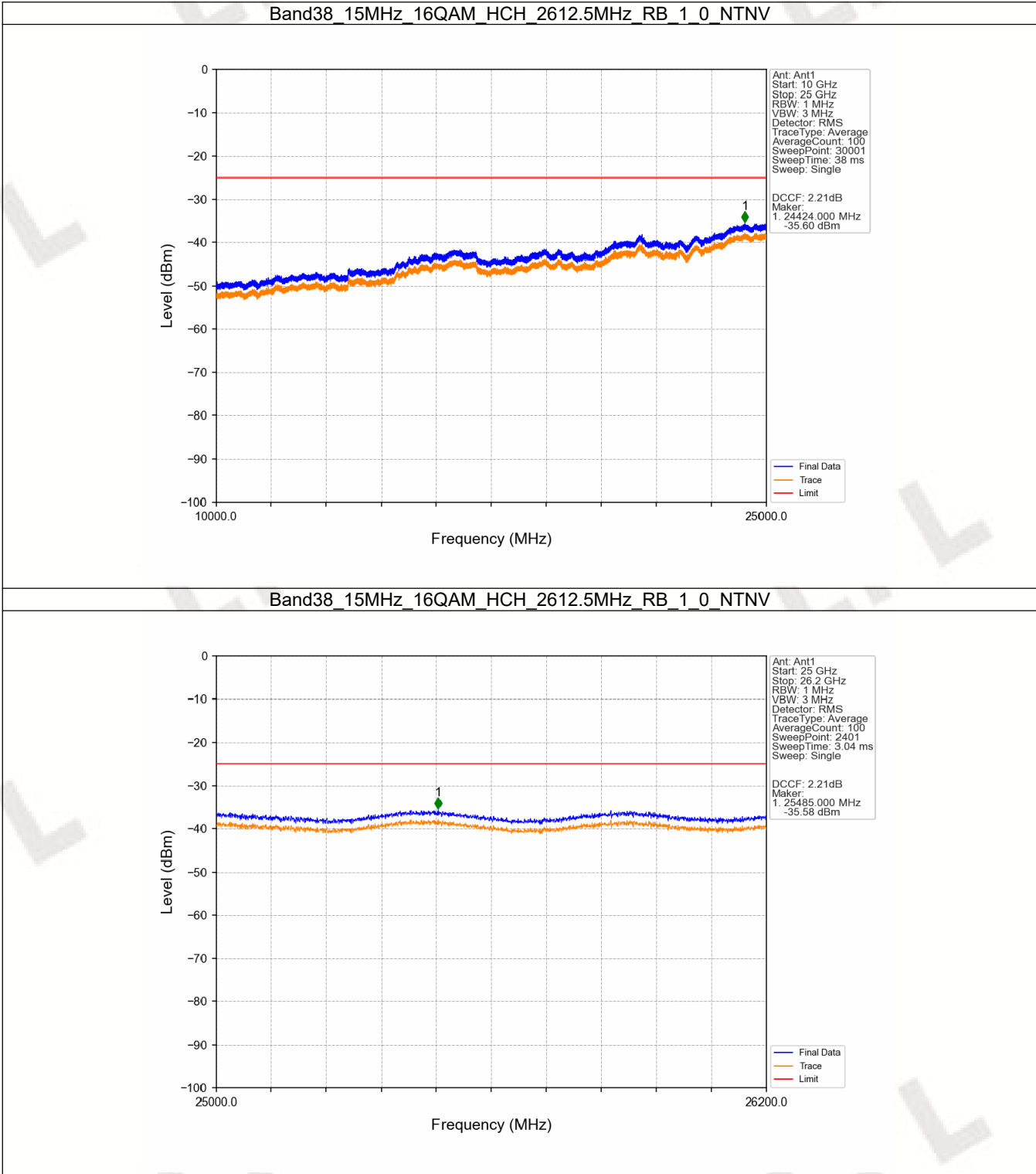
FCC ID: 2BDI3-RUGGEDULTRA



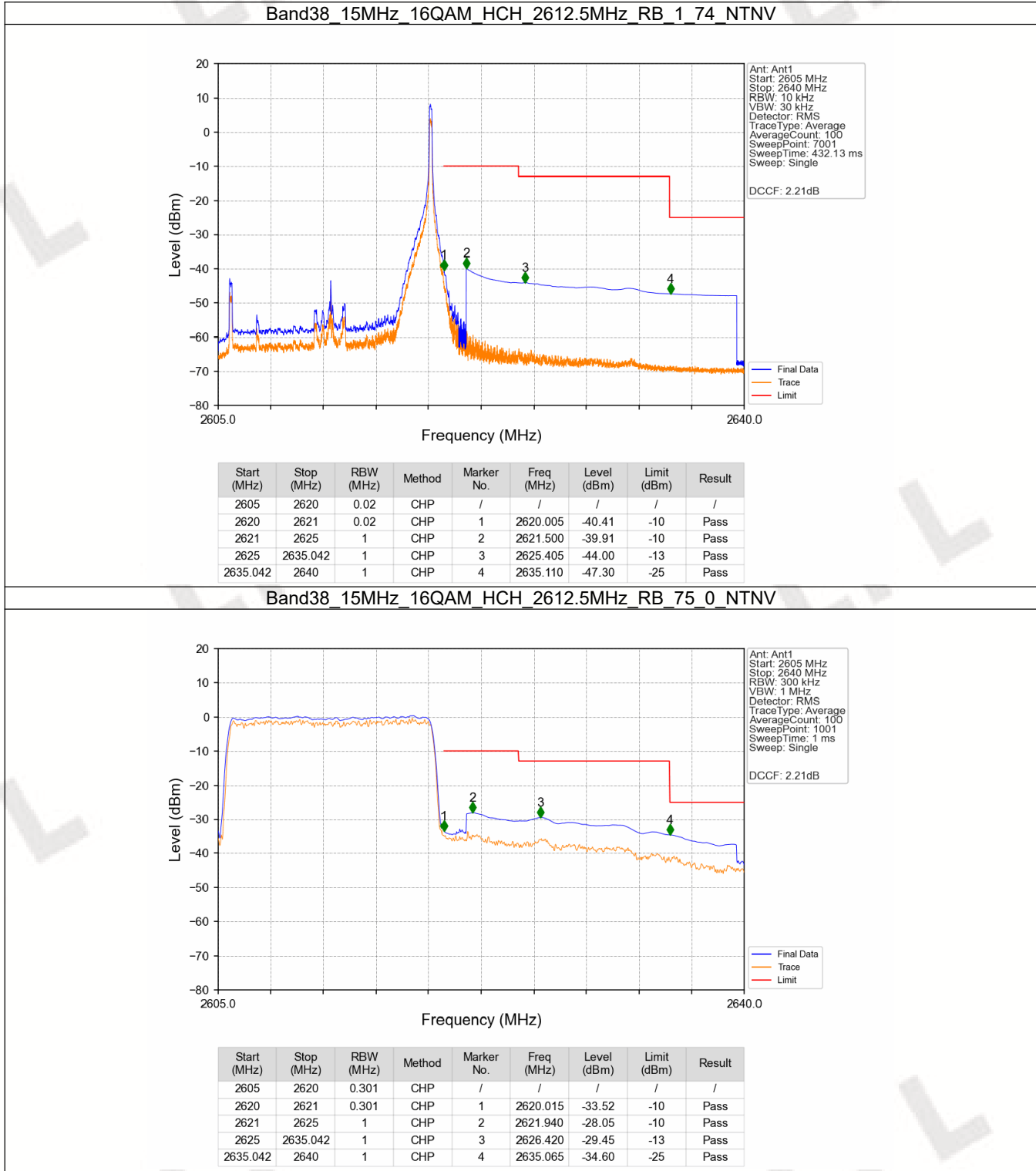
FCC ID: 2BDI3-RUGGEDULTRA



FCC ID: 2BDI3-RUGGEDULTRA

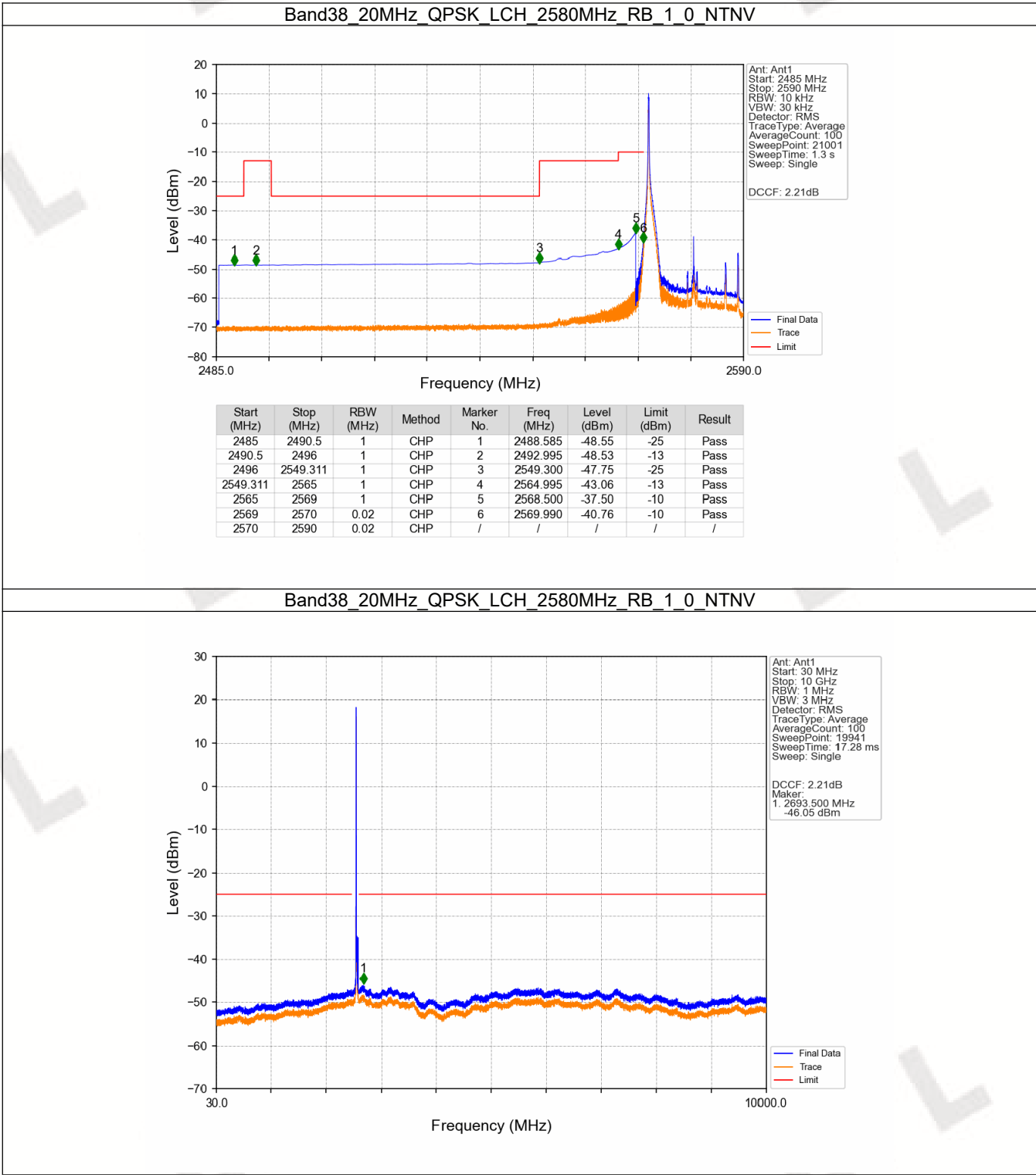


FCC ID: 2BDI3-RUGGEDULTRA



FCC ID: 2BDI3-RUGGEDULTRA

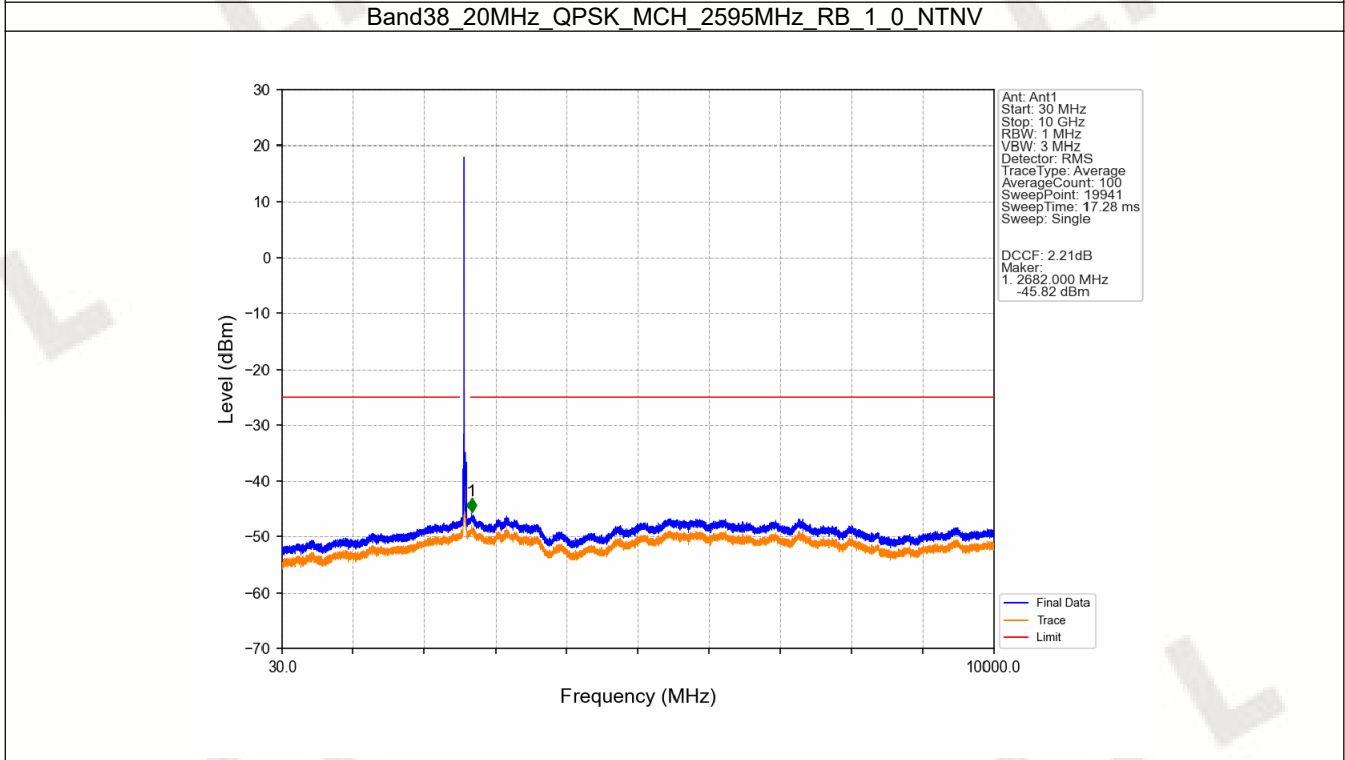
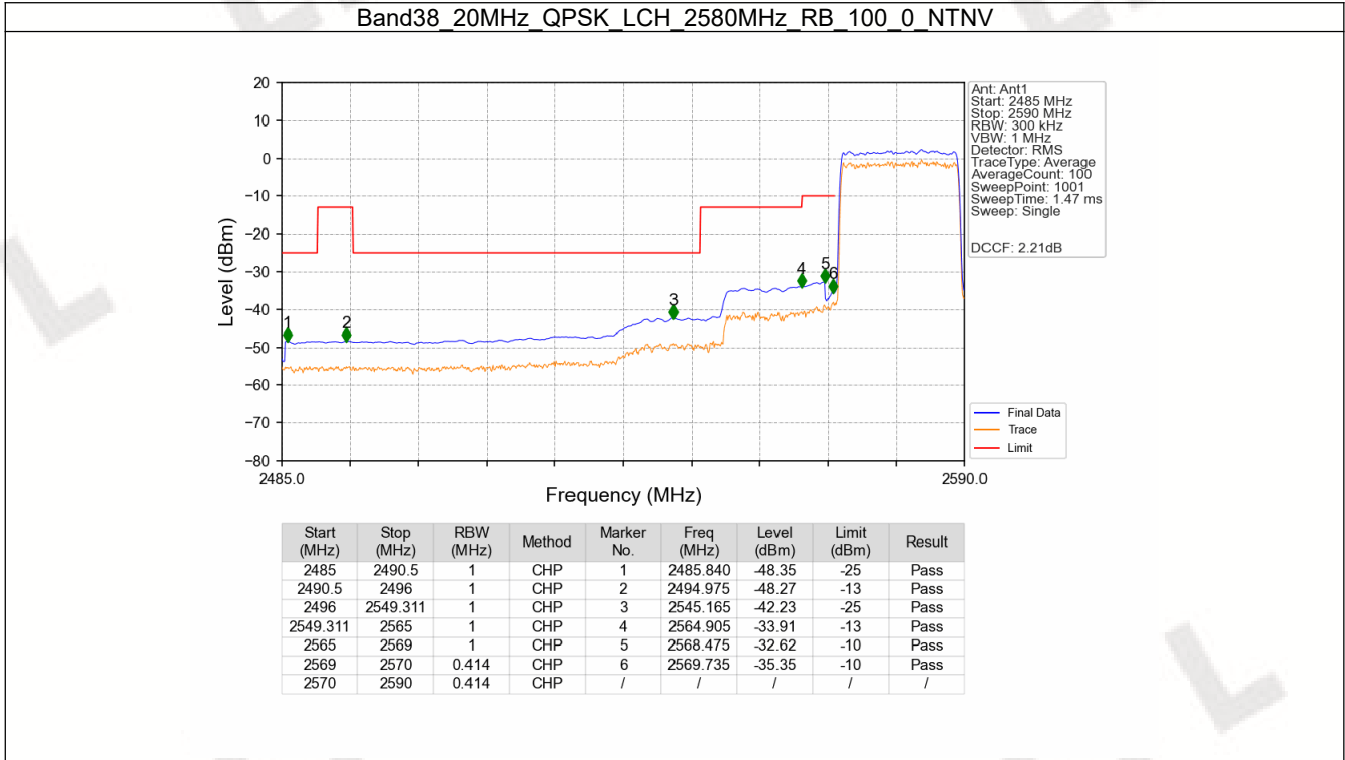
6.2.4 B38_20MHz



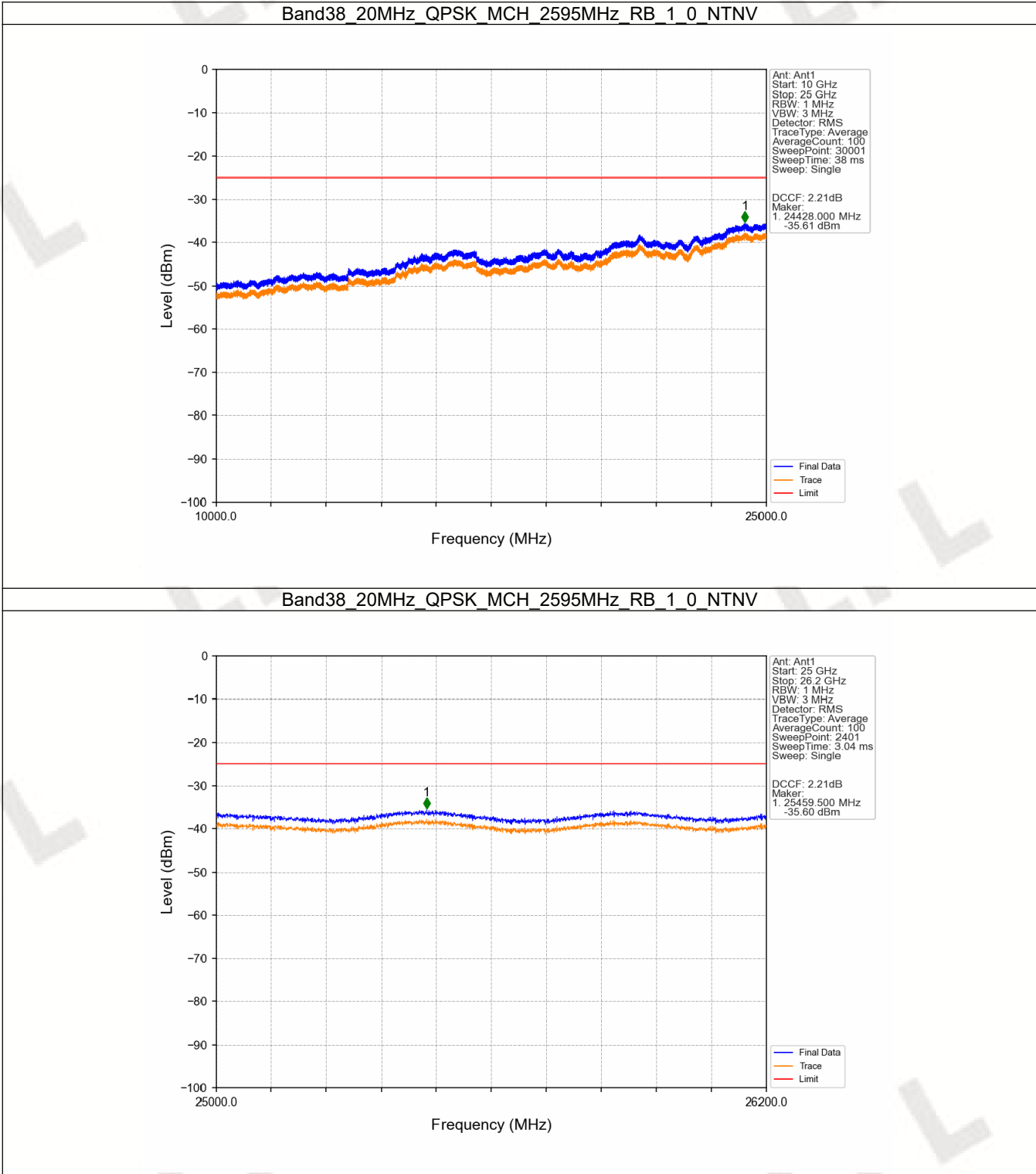
FCC ID: 2BDI3-RUGGEDULTRA



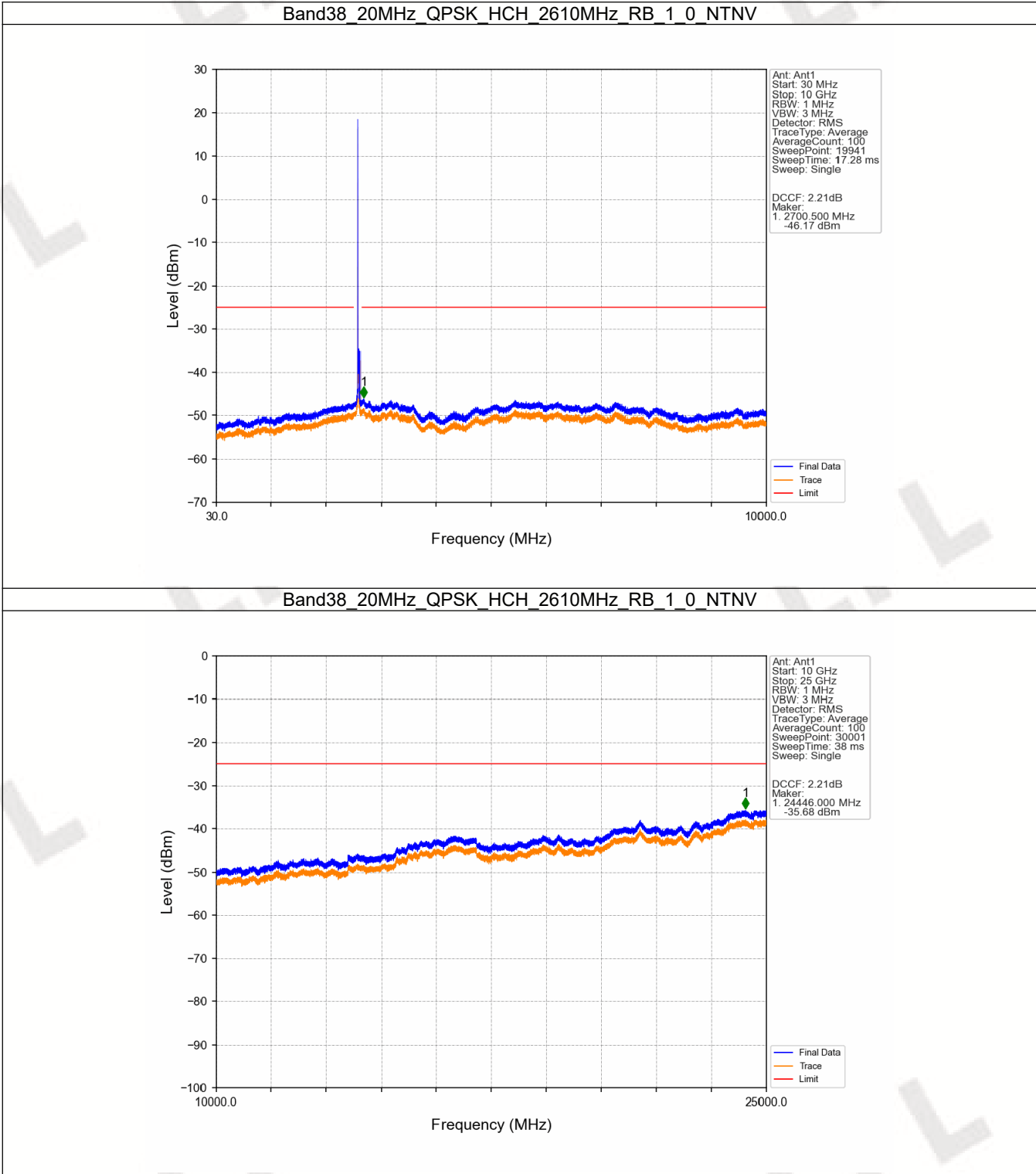
FCC ID: 2BDI3-RUGGEDULTRA



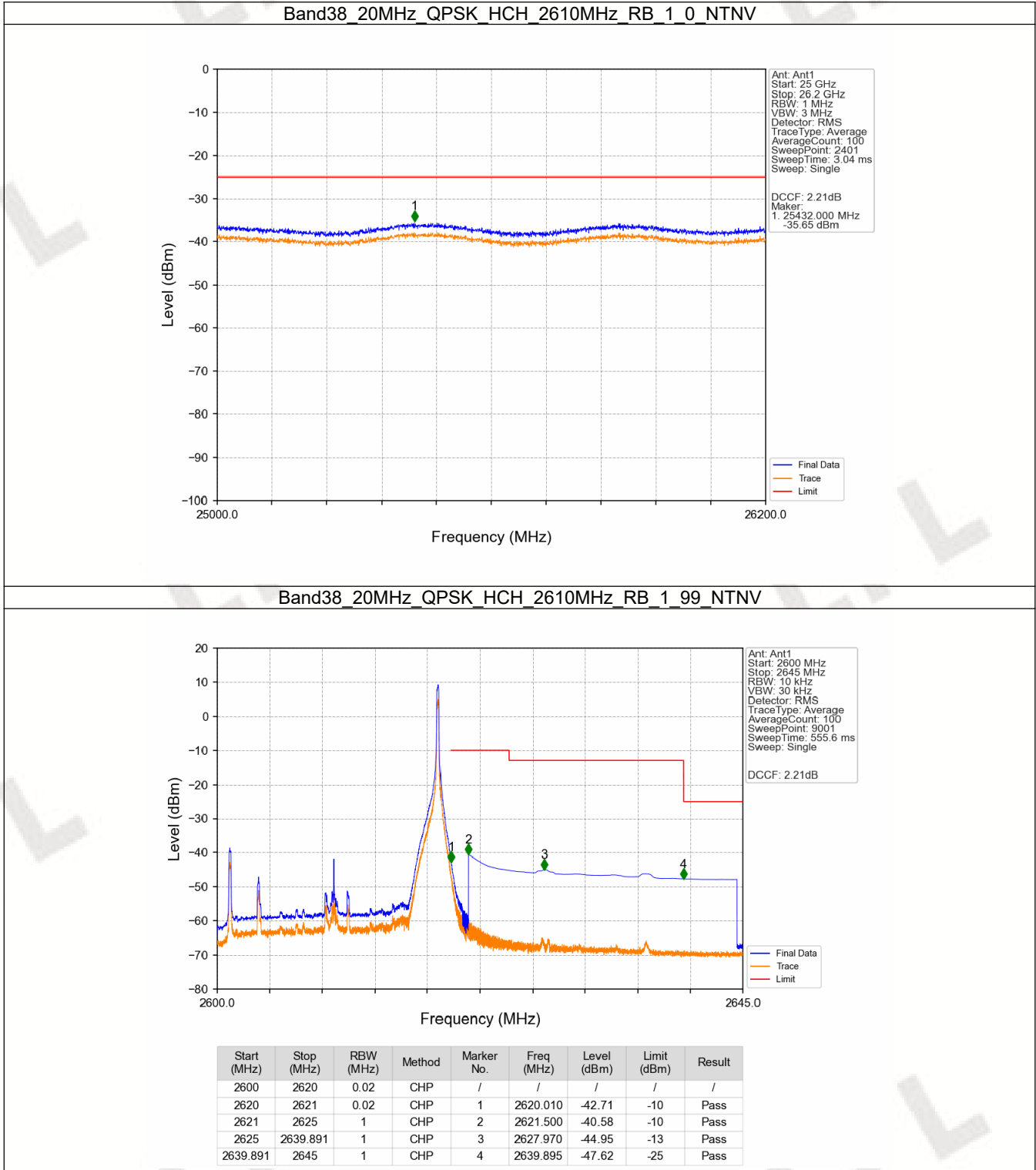
FCC ID: 2BDI3-RUGGEDULTRA



FCC ID: 2BDI3-RUGGEDULTRA

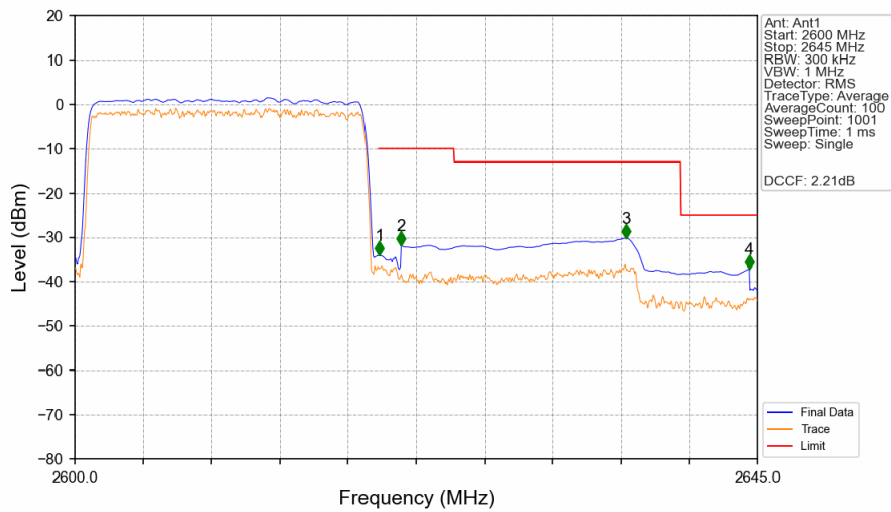


FCC ID: 2BDI3-RUGGEDULTRA



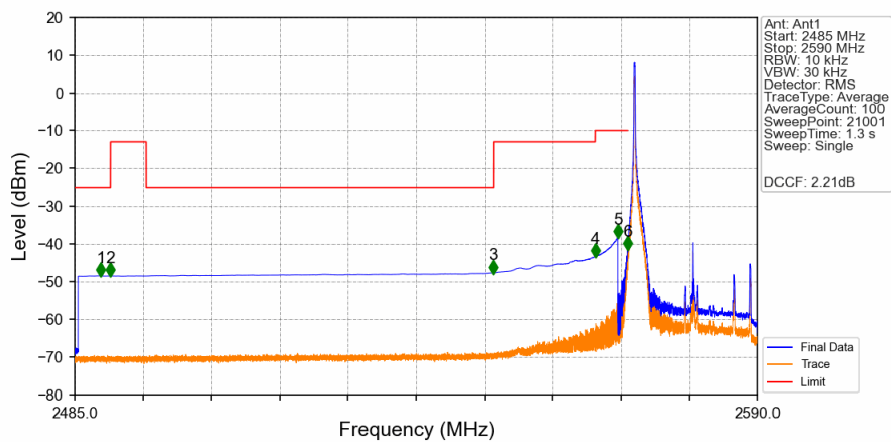
FCC ID: 2BDI3-RUGGEDULTRA

Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



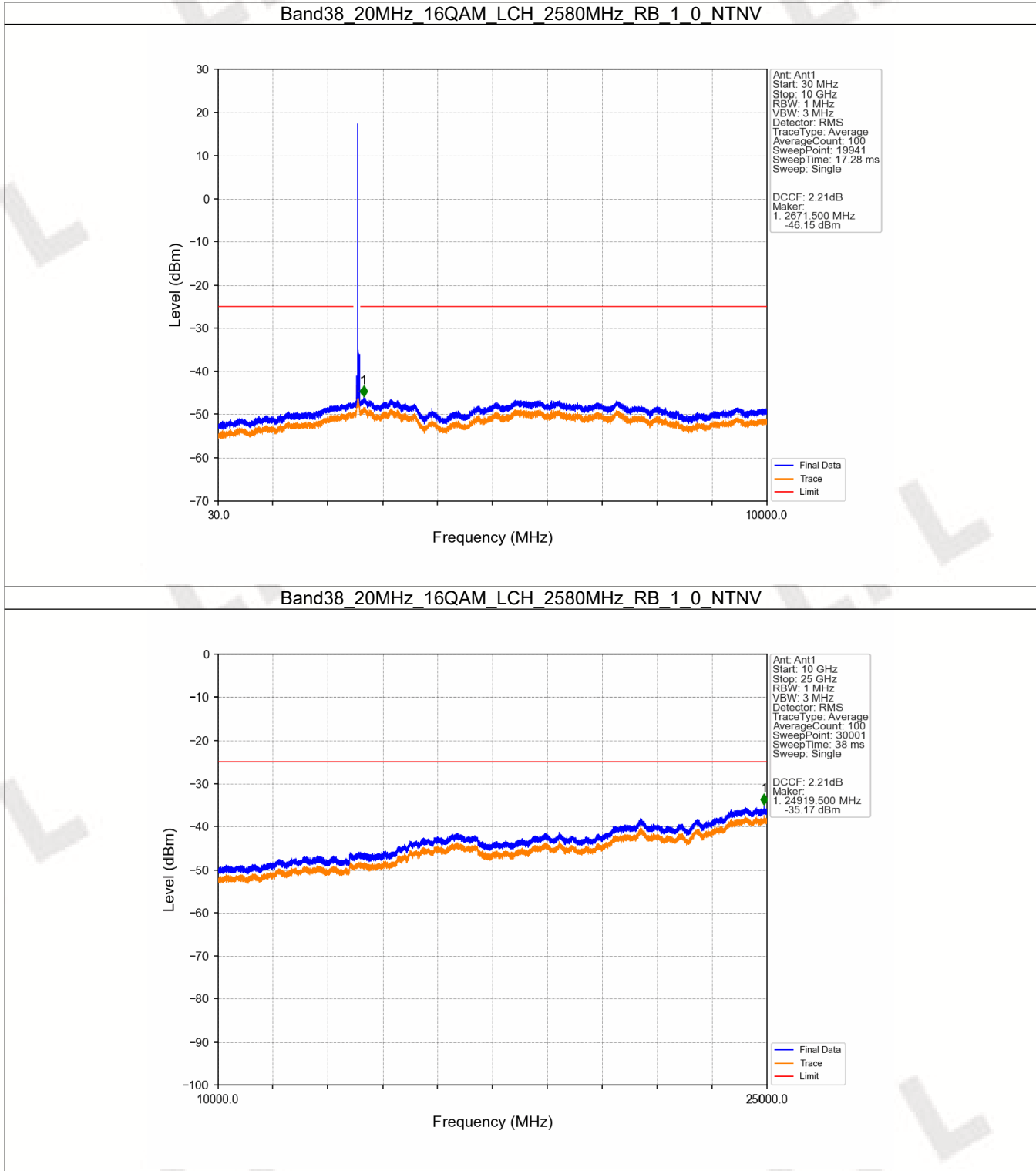
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.398	CHP	/	/	/	/	/
2620	2621	0.398	CHP	1	2620.070	-34.10	-10	Pass
2621	2625	1	CHP	2	2621.510	-31.83	-10	Pass
2625	2639.891	1	CHP	3	2636.315	-30.23	-13	Pass
2639.891	2645	1	CHP	4	2644.460	-37.17	-25	Pass

Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV

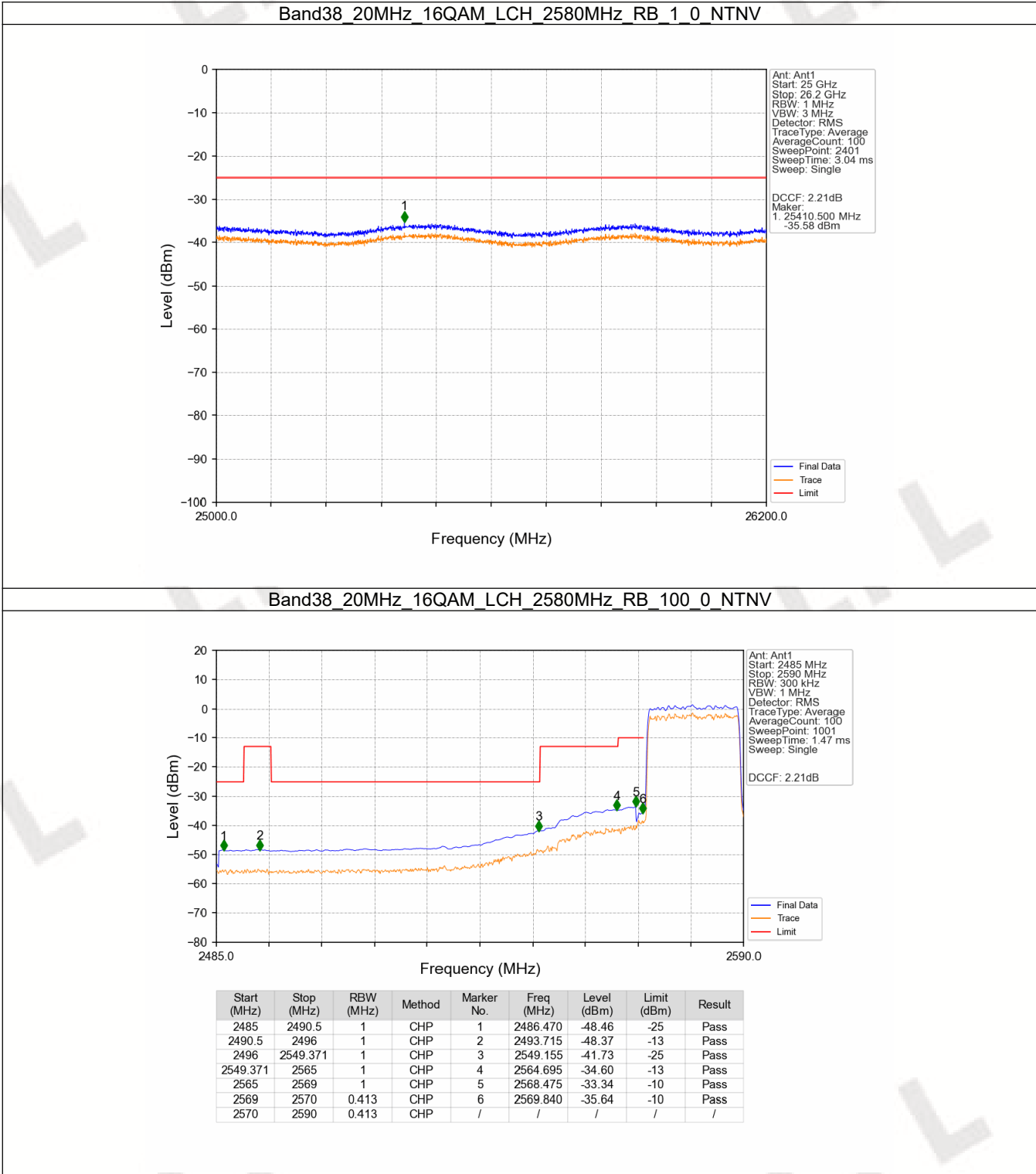


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.990	-48.55	-25	Pass
2490.5	2496	1	CHP	2	2490.505	-48.56	-13	Pass
2496	2549.371	1	CHP	3	2549.265	-47.77	-25	Pass
2549.371	2565	1	CHP	4	2565.000	-43.43	-13	Pass
2565	2569	1	CHP	5	2568.490	-38.20	-10	Pass
2569	2570	0.02	CHP	6	2569.965	-41.37	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

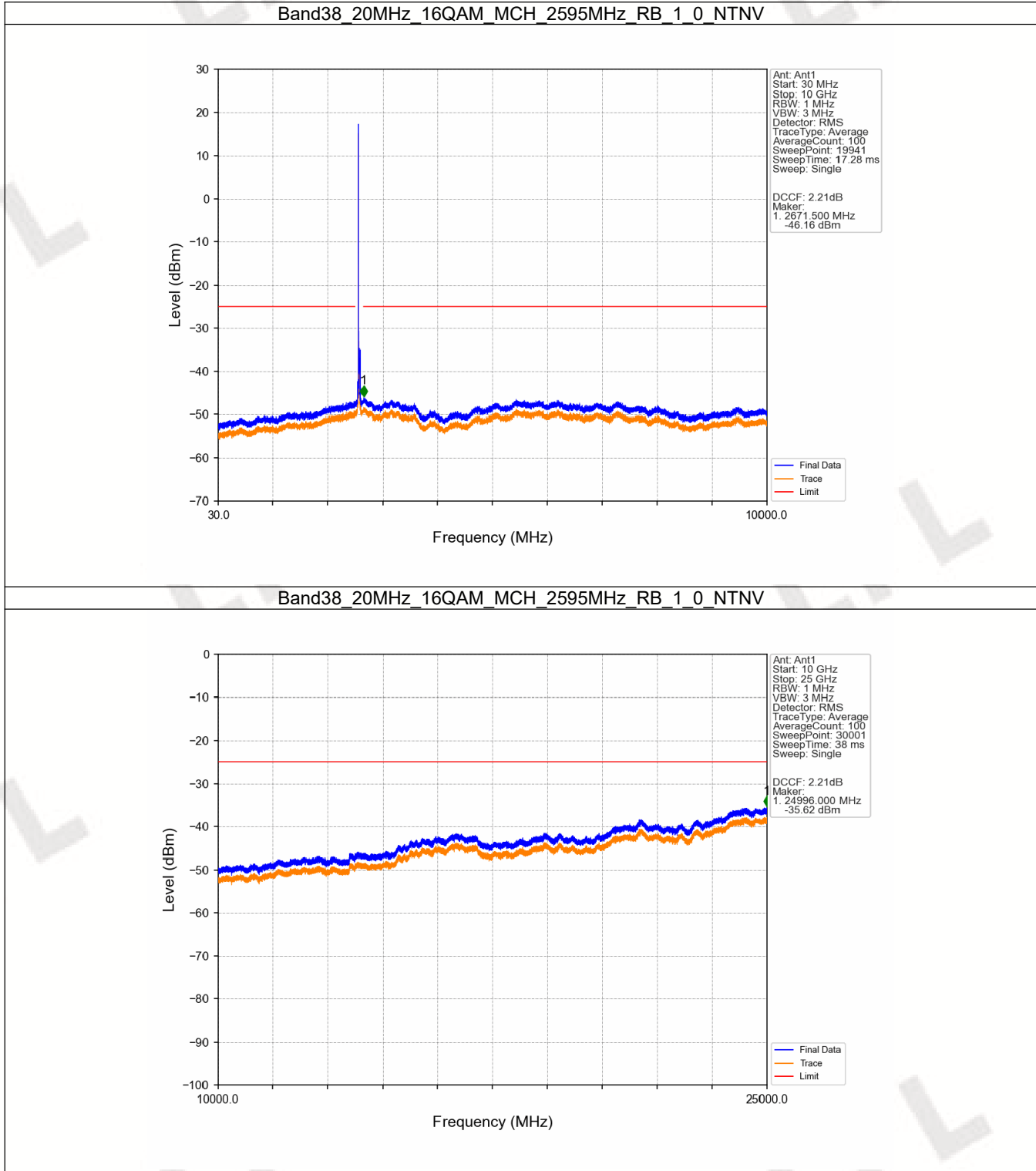
FCC ID: 2BDI3-RUGGEDULTRA



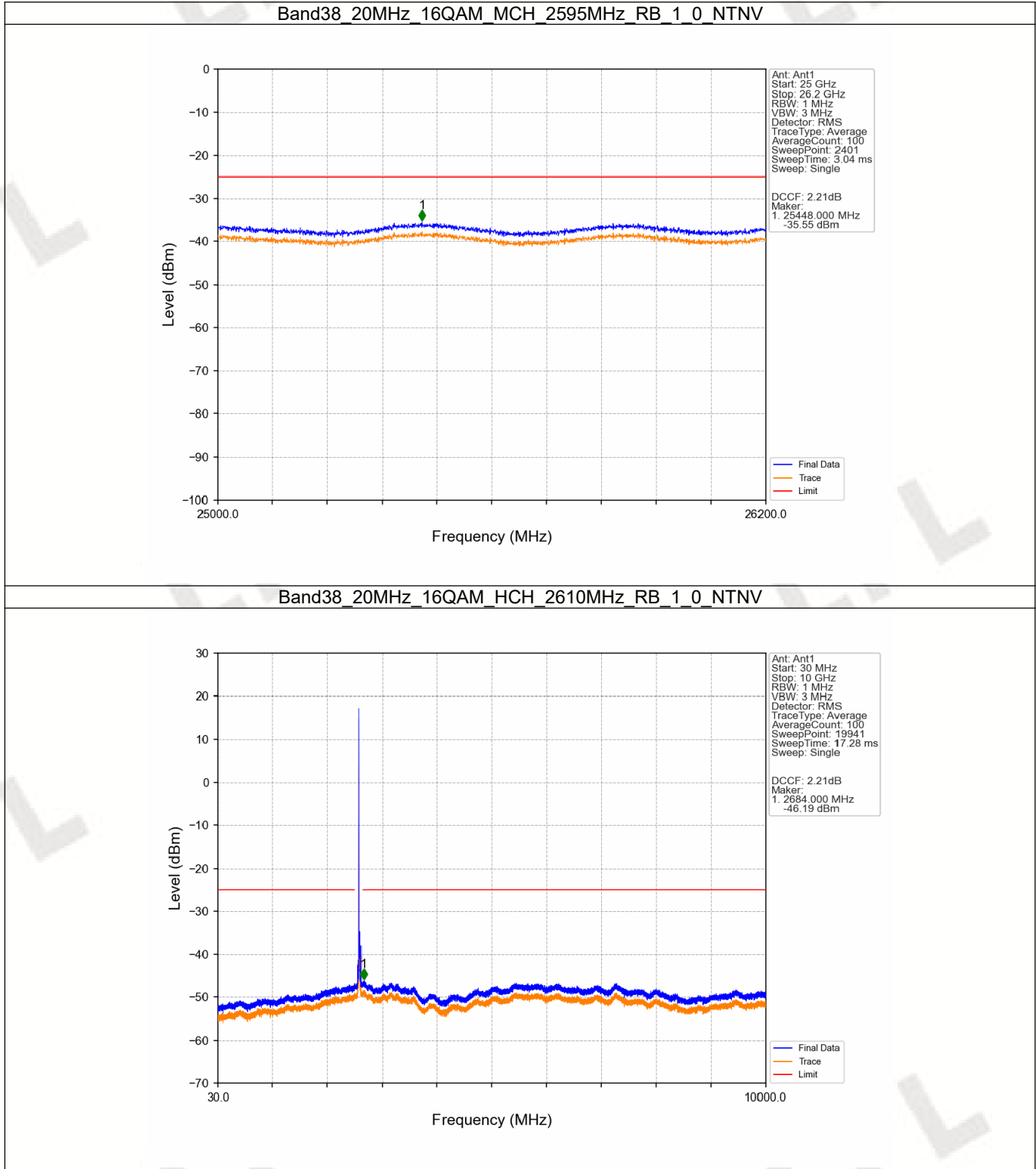
FCC ID: 2BDI3-RUGGEDULTRA



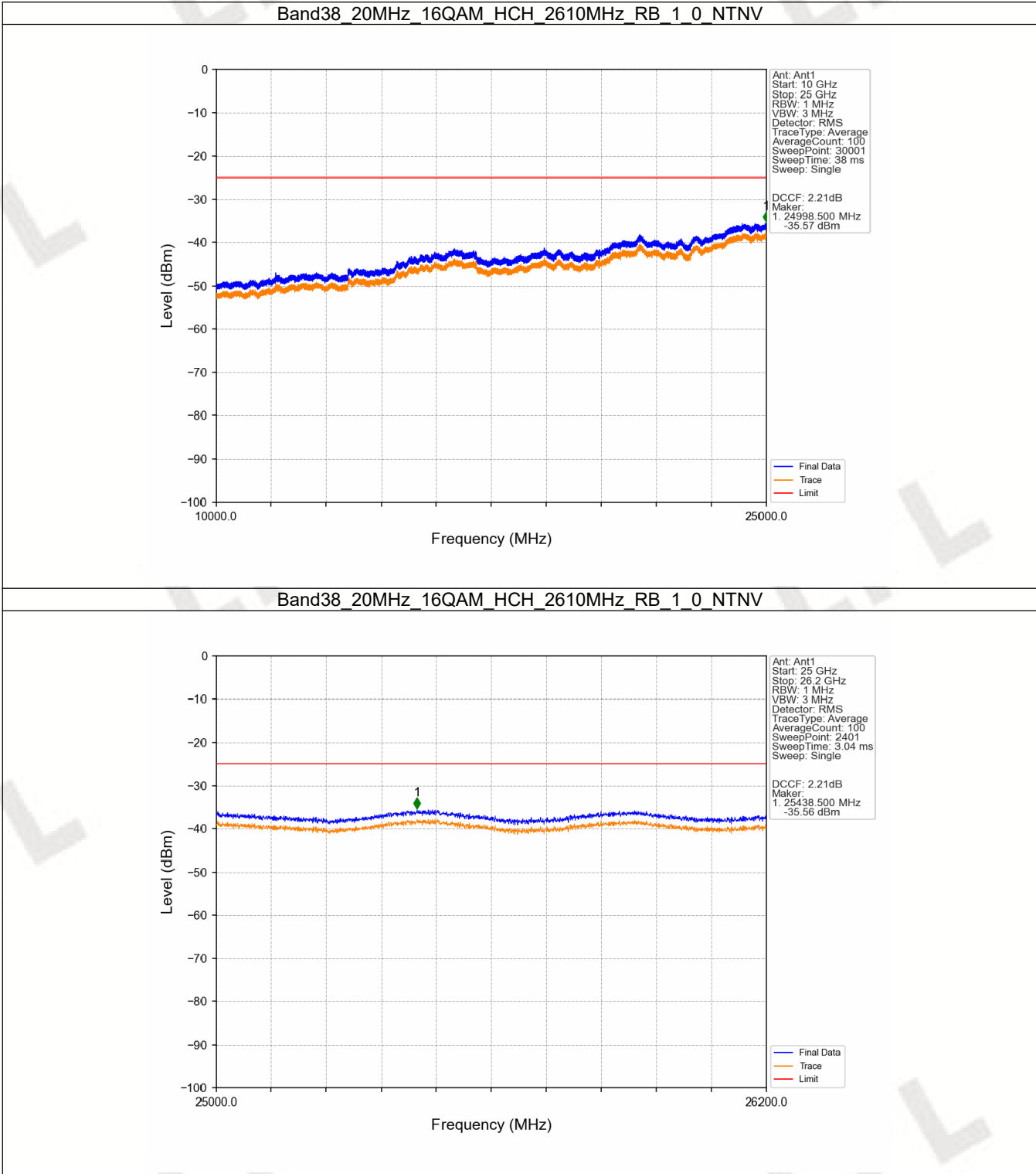
FCC ID: 2BDI3-RUGGEDULTRA



FCC ID: 2BDI3-RUGGEDULTRA

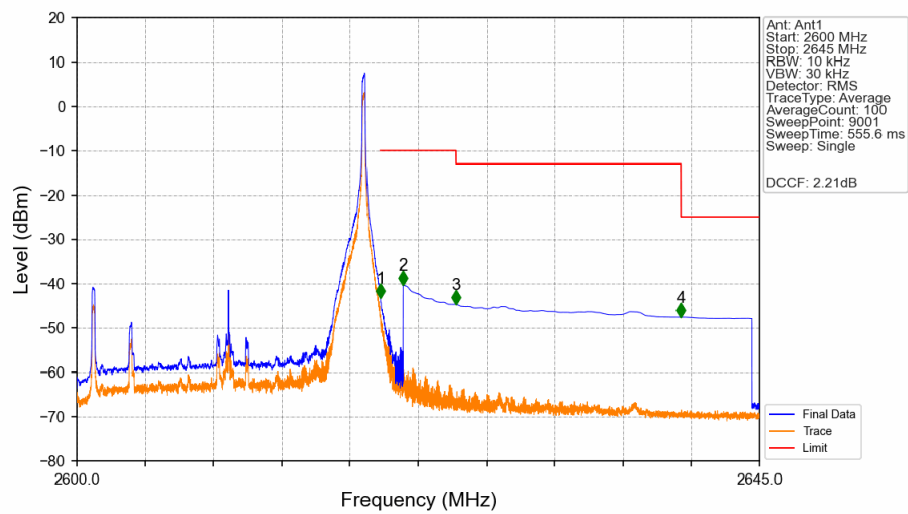


FCC ID: 2BDI3-RUGGEDULTRA



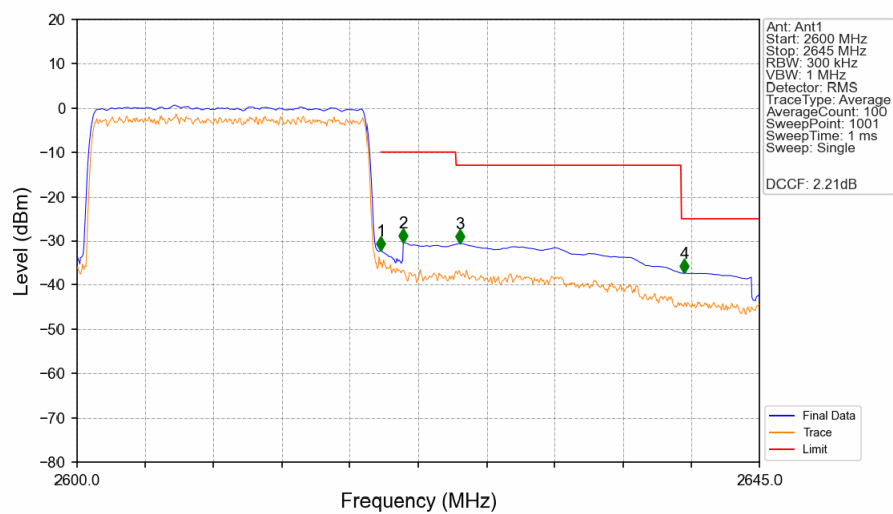
FCC ID: 2BDI3-RUGGEDULTRA

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	-43.20	-10	Pass
2621	2625	1	CHP	2	2621.510	-40.22	-10	Pass
2625	2639.803	1	CHP	3	2625.005	-44.62	-13	Pass
2639.803	2645	1	CHP	4	2639.805	-47.51	-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	0.396	CHP	/	/	/	/	/
2620	2621	0.396	CHP	1	2620.025	-32.23	-10	Pass
2621	2625	1	CHP	2	2621.510	-30.34	-10	Pass
2625	2639.803	1	CHP	3	2625.245	-30.59	-13	Pass
2639.803	2645	1	CHP	4	2640.005	-37.35	-25	Pass

FCC ID: 2BDI3-RUGGEDULTRA

7. Frequency Stability (IC)**7.1 Test Result****7.1.1 B38_5MHz**

Band: 38 / Bandwidth: 5MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	OBW (FL - FH) (MHz)		Limit	Verdict
		Size	Offset			FL	FH		
QPSK	2572.5	25	0	20	3.27	2570.243	2574.778	2570 to 2595	Pass
					3.85	2570.234	2574.781	2570 to 2595	Pass
					4.43	2570.234	2574.788	2570 to 2595	Pass
				-30	3.85	2570.228	2574.779	2570 to 2595	Pass
				-20	3.85	2570.240	2574.783	2570 to 2595	Pass
				-10	3.85	2570.231	2574.779	2570 to 2595	Pass
				0	3.85	2570.235	2574.778	2570 to 2595	Pass
				10	3.85	2570.229	2574.778	2570 to 2595	Pass
				30	3.85	2570.230	2574.784	2570 to 2595	Pass
				40	3.85	2570.228	2574.778	2570 to 2595	Pass
				50	3.85	2570.230	2574.784	2570 to 2595	Pass
	2595	25	0	20	3.27	2592.738	2597.284	2570 to 2620	Pass
					3.85	2592.744	2597.288	2570 to 2620	Pass
					4.43	2592.741	2597.284	2570 to 2620	Pass
				-30	3.85	2592.740	2597.285	2570 to 2620	Pass
				-20	3.85	2592.740	2597.288	2570 to 2620	Pass
				-10	3.85	2592.747	2597.289	2570 to 2620	Pass
				0	3.85	2592.735	2597.282	2570 to 2620	Pass
				10	3.85	2592.745	2597.289	2570 to 2620	Pass
				30	3.85	2592.746	2597.288	2570 to 2620	Pass
				40	3.85	2592.740	2597.281	2570 to 2620	Pass
				50	3.85	2592.738	2597.288	2570 to 2620	Pass
	2617.5	25	0	20	3.27	2615.232	2619.782	2595 to 2620	Pass
					3.85	2615.234	2619.784	2595 to 2620	Pass
					4.43	2615.233	2619.789	2595 to 2620	Pass
				-30	3.85	2615.239	2619.785	2595 to 2620	Pass
				-20	3.85	2615.245	2619.784	2595 to 2620	Pass
				-10	3.85	2615.234	2619.786	2595 to 2620	Pass
				0	3.85	2615.231	2619.788	2595 to 2620	Pass
				10	3.85	2615.239	2619.778	2595 to 2620	Pass
				30	3.85	2615.234	2619.783	2595 to 2620	Pass
				40	3.85	2615.243	2619.783	2595 to 2620	Pass
				50	3.85	2615.233	2619.788	2595 to 2620	Pass
16QAM	2572.5	25	0	20	3.27	2570.247	2574.782	2570 to 2595	Pass
					3.85	2570.237	2574.778	2570 to 2595	Pass
					4.43	2570.243	2574.788	2570 to 2595	Pass
				-30	3.85	2570.245	2574.778	2570 to 2595	Pass
				-20	3.85	2570.235	2574.784	2570 to 2595	Pass
				-10	3.85	2570.246	2574.777	2570 to 2595	Pass
				0	3.85	2570.242	2574.781	2570 to 2595	Pass
				10	3.85	2570.241	2574.780	2570 to 2595	Pass
				30	3.85	2570.235	2574.774	2570 to 2595	Pass
				40	3.85	2570.244	2574.784	2570 to 2595	Pass
				50	3.85	2570.245	2574.781	2570 to 2595	Pass
	2595	25	0	20	3.27	2592.751	2597.279	2570 to 2620	Pass
					3.85	2592.753	2597.277	2570 to 2620	Pass
					4.43	2592.750	2597.279	2570 to 2620	Pass
				-30	3.85	2592.754	2597.278	2570 to 2620	Pass
				-20	3.85	2592.748	2597.280	2570 to 2620	Pass

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				-10	3.85	2592.747	2597.282	2570 to 2620	Pass
				0	3.85	2592.747	2597.279	2570 to 2620	Pass
				10	3.85	2592.754	2597.280	2570 to 2620	Pass
				30	3.85	2592.753	2597.280	2570 to 2620	Pass
				40	3.85	2592.754	2597.280	2570 to 2620	Pass
				50	3.85	2592.753	2597.281	2570 to 2620	Pass
	2617.5	25	0	20	3.27	2615.230	2619.800	2595 to 2620	Pass
					3.85	2615.229	2619.780	2595 to 2620	Pass
					4.43	2615.248	2619.781	2595 to 2620	Pass
				-30	3.85	2615.232	2619.796	2595 to 2620	Pass
				-20	3.85	2615.240	2619.805	2595 to 2620	Pass
				-10	3.85	2615.235	2619.800	2595 to 2620	Pass
				0	3.85	2615.240	2619.785	2595 to 2620	Pass
				10	3.85	2615.225	2619.795	2595 to 2620	Pass
				30	3.85	2615.245	2619.797	2595 to 2620	Pass
				40	3.85	2615.248	2619.795	2595 to 2620	Pass
				50	3.85	2615.241	2619.796	2595 to 2620	Pass

7.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	OBW (FL - FH) (MHz)		Limit	Verdict
		Size	Offset			FL	FH		
QPSK	2575	50	0	20	3.27	2570.511	2579.572	2570 to 2595	Pass
					3.85	2570.506	2579.565	2570 to 2595	Pass
					4.43	2570.509	2579.555	2570 to 2595	Pass
				-30	3.85	2570.514	2579.553	2570 to 2595	Pass
				-20	3.85	2570.507	2579.562	2570 to 2595	Pass
				-10	3.85	2570.513	2579.563	2570 to 2595	Pass
				0	3.85	2570.506	2579.566	2570 to 2595	Pass
				10	3.85	2570.505	2579.582	2570 to 2595	Pass
				30	3.85	2570.503	2579.561	2570 to 2595	Pass
				40	3.85	2570.511	2579.569	2570 to 2595	Pass
				50	3.85	2570.522	2579.566	2570 to 2595	Pass
	2595	50	0	20	3.27	2590.489	2599.560	2570 to 2620	Pass
					3.85	2590.470	2599.550	2570 to 2620	Pass
					4.43	2590.496	2599.552	2570 to 2620	Pass
				-30	3.85	2590.489	2599.569	2570 to 2620	Pass
				-20	3.85	2590.504	2599.552	2570 to 2620	Pass
				-10	3.85	2590.470	2599.567	2570 to 2620	Pass
				0	3.85	2590.499	2599.547	2570 to 2620	Pass
				10	3.85	2590.493	2599.550	2570 to 2620	Pass
				30	3.85	2590.489	2599.550	2570 to 2620	Pass
				40	3.85	2590.482	2599.557	2570 to 2620	Pass
				50	3.85	2590.494	2599.554	2570 to 2620	Pass
	2615	50	0	20	3.27	2610.510	2619.559	2595 to 2620	Pass
					3.85	2610.502	2619.561	2595 to 2620	Pass
					4.43	2610.495	2619.557	2595 to 2620	Pass
				-30	3.85	2610.492	2619.553	2595 to 2620	Pass
				-20	3.85	2610.497	2619.554	2595 to 2620	Pass
				-10	3.85	2610.489	2619.559	2595 to 2620	Pass
				0	3.85	2610.483	2619.567	2595 to 2620	Pass
				10	3.85	2610.506	2619.562	2595 to 2620	Pass
				30	3.85	2610.495	2619.557	2595 to 2620	Pass
				40	3.85	2610.508	2619.561	2595 to 2620	Pass
				50	3.85	2610.485	2619.567	2595 to 2620	Pass
16QAM	2575	50	0	20	3.27	2570.504	2579.554	2570 to 2595	Pass

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					3.85	2570.517	2579.590	2570 to 2595	Pass
					4.43	2570.506	2579.551	2570 to 2595	Pass
				-30	3.85	2570.505	2579.561	2570 to 2595	Pass
				-20	3.85	2570.504	2579.592	2570 to 2595	Pass
				-10	3.85	2570.512	2579.598	2570 to 2595	Pass
				0	3.85	2570.497	2579.553	2570 to 2595	Pass
				10	3.85	2570.516	2579.593	2570 to 2595	Pass
				30	3.85	2570.501	2579.582	2570 to 2595	Pass
				40	3.85	2570.496	2579.594	2570 to 2595	Pass
				50	3.85	2570.497	2579.587	2570 to 2595	Pass
	2595	50	0	20	3.27	2590.489	2599.557	2570 to 2620	Pass
					3.85	2590.506	2599.554	2570 to 2620	Pass
					4.43	2590.509	2599.555	2570 to 2620	Pass
				-30	3.85	2590.506	2599.539	2570 to 2620	Pass
				-20	3.85	2590.478	2599.554	2570 to 2620	Pass
				-10	3.85	2590.494	2599.555	2570 to 2620	Pass
				0	3.85	2590.484	2599.559	2570 to 2620	Pass
				10	3.85	2590.479	2599.550	2570 to 2620	Pass
				30	3.85	2590.501	2599.541	2570 to 2620	Pass
				40	3.85	2590.500	2599.551	2570 to 2620	Pass
				50	3.85	2590.483	2599.549	2570 to 2620	Pass
	2615	50	0	20	3.27	2610.509	2619.558	2595 to 2620	Pass
					3.85	2610.505	2619.565	2595 to 2620	Pass
					4.43	2610.512	2619.570	2595 to 2620	Pass
				-30	3.85	2610.511	2619.562	2595 to 2620	Pass
				-20	3.85	2610.506	2619.577	2595 to 2620	Pass
				-10	3.85	2610.513	2619.564	2595 to 2620	Pass
				0	3.85	2610.512	2619.562	2595 to 2620	Pass
				10	3.85	2610.518	2619.555	2595 to 2620	Pass
				30	3.85	2610.503	2619.580	2595 to 2620	Pass
				40	3.85	2610.516	2619.555	2595 to 2620	Pass
				50	3.85	2610.510	2619.557	2595 to 2620	Pass

7.1.3 B38_15MHz

Band: 38 / Bandwidth: 15MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	OBW (FL - FH) (MHz)		Limit	Verdict
		Size	Offset			FL	FH		
QPSK	2577.5	75	0	20	3.27	2570.729	2584.343	2570 to 2595	Pass
					3.85	2570.742	2584.344	2570 to 2595	Pass
					4.43	2570.744	2584.350	2570 to 2595	Pass
				-30	3.85	2570.729	2584.358	2570 to 2595	Pass
				-20	3.85	2570.741	2584.343	2570 to 2595	Pass
				-10	3.85	2570.734	2584.350	2570 to 2595	Pass
				0	3.85	2570.740	2584.363	2570 to 2595	Pass
				10	3.85	2570.760	2584.359	2570 to 2595	Pass
				30	3.85	2570.738	2584.352	2570 to 2595	Pass
				40	3.85	2570.753	2584.338	2570 to 2595	Pass
				50	3.85	2570.743	2584.334	2570 to 2595	Pass
	2595	75	0	20	3.27	2588.246	2601.806	2570 to 2620	Pass
					3.85	2588.246	2601.819	2570 to 2620	Pass
					4.43	2588.251	2601.795	2570 to 2620	Pass
				-30	3.85	2588.243	2601.788	2570 to 2620	Pass
				-20	3.85	2588.245	2601.825	2570 to 2620	Pass
				-10	3.85	2588.254	2601.823	2570 to 2620	Pass
				0	3.85	2588.261	2601.824	2570 to 2620	Pass
				10	3.85	2588.259	2601.819	2570 to 2620	Pass

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16QAM	2612.5	75	0	30	3.85	2588.258	2601.821	2570 to 2620	Pass
				40	3.85	2588.267	2601.815	2570 to 2620	Pass
				50	3.85	2588.243	2601.804	2570 to 2620	Pass
				20	3.27	2605.771	2619.335	2595 to 2620	Pass
					3.85	2605.758	2619.339	2595 to 2620	Pass
					4.43	2605.757	2619.342	2595 to 2620	Pass
				-30	3.85	2605.754	2619.338	2595 to 2620	Pass
				-20	3.85	2605.769	2619.334	2595 to 2620	Pass
				-10	3.85	2605.754	2619.342	2595 to 2620	Pass
	2577.5	75	0	0	3.85	2605.762	2619.337	2595 to 2620	Pass
				10	3.85	2605.772	2619.342	2595 to 2620	Pass
				30	3.85	2605.766	2619.336	2595 to 2620	Pass
				40	3.85	2605.761	2619.334	2595 to 2620	Pass
				50	3.85	2605.756	2619.337	2595 to 2620	Pass
				20	3.27	2570.752	2584.354	2570 to 2595	Pass
					3.85	2570.736	2584.406	2570 to 2595	Pass
					4.43	2570.749	2584.365	2570 to 2595	Pass
				-30	3.85	2570.768	2584.393	2570 to 2595	Pass
	2595	75	0	-20	3.85	2570.742	2584.384	2570 to 2595	Pass
				-10	3.85	2570.761	2584.355	2570 to 2595	Pass
				0	3.85	2570.768	2584.394	2570 to 2595	Pass
				10	3.85	2570.743	2584.331	2570 to 2595	Pass
				30	3.85	2570.775	2584.346	2570 to 2595	Pass
				40	3.85	2570.774	2584.326	2570 to 2595	Pass
				50	3.85	2570.757	2584.344	2570 to 2595	Pass
				20	3.27	2588.211	2601.867	2570 to 2620	Pass
					3.85	2588.260	2601.840	2570 to 2620	Pass
					4.43	2588.266	2601.850	2570 to 2620	Pass
	2612.5	75	0	-30	3.85	2588.223	2601.837	2570 to 2620	Pass
				-20	3.85	2588.244	2601.863	2570 to 2620	Pass
				-10	3.85	2588.256	2601.842	2570 to 2620	Pass
				0	3.85	2588.230	2601.856	2570 to 2620	Pass
				10	3.85	2588.218	2601.841	2570 to 2620	Pass
				30	3.85	2588.212	2601.859	2570 to 2620	Pass
				40	3.85	2588.209	2601.851	2570 to 2620	Pass
				50	3.85	2588.226	2601.851	2570 to 2620	Pass
				20	3.27	2605.761	2619.363	2595 to 2620	Pass
					3.85	2605.732	2619.365	2595 to 2620	Pass
					4.43	2605.728	2619.341	2595 to 2620	Pass
				-30	3.85	2605.740	2619.352	2595 to 2620	Pass
				-20	3.85	2605.769	2619.368	2595 to 2620	Pass
				-10	3.85	2605.749	2619.372	2595 to 2620	Pass
				0	3.85	2605.768	2619.370	2595 to 2620	Pass
				10	3.85	2605.734	2619.365	2595 to 2620	Pass
				30	3.85	2605.769	2619.330	2595 to 2620	Pass
				40	3.85	2605.780	2619.379	2595 to 2620	Pass
				50	3.85	2605.771	2619.368	2595 to 2620	Pass

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7.1.4 B38_20MHz

Band: 38 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	OBW (FL - FH) (MHz)		Limit	Verdict
		Size	Offset			FL	FH		
QPSK	2580	100	0	20	3.27	2571.009	2589.123	2570 to 2595	Pass
					3.85	2571.006	2589.129	2570 to 2595	Pass
					4.43	2571.041	2589.084	2570 to 2595	Pass
				-30	3.85	2570.978	2589.110	2570 to 2595	Pass
				-20	3.85	2571.004	2589.129	2570 to 2595	Pass
				-10	3.85	2571.035	2589.129	2570 to 2595	Pass
				0	3.85	2571.015	2589.119	2570 to 2595	Pass
				10	3.85	2571.011	2589.127	2570 to 2595	Pass
				30	3.85	2570.986	2589.129	2570 to 2595	Pass
				40	3.85	2570.989	2589.122	2570 to 2595	Pass
				50	3.85	2571.053	2589.138	2570 to 2595	Pass
	2595	100	0	20	3.27	2586.023	2604.110	2570 to 2620	Pass
					3.85	2586.031	2604.116	2570 to 2620	Pass
					4.43	2586.037	2604.124	2570 to 2620	Pass
				-30	3.85	2585.999	2604.162	2570 to 2620	Pass
				-20	3.85	2586.002	2604.114	2570 to 2620	Pass
				-10	3.85	2586.009	2604.133	2570 to 2620	Pass
				0	3.85	2585.984	2604.115	2570 to 2620	Pass
				10	3.85	2585.989	2604.129	2570 to 2620	Pass
				30	3.85	2586.021	2604.138	2570 to 2620	Pass
				40	3.85	2585.978	2604.102	2570 to 2620	Pass
				50	3.85	2585.989	2604.116	2570 to 2620	Pass
	2610	100	0	20	3.27	2601.027	2619.107	2595 to 2620	Pass
					3.85	2601.017	2619.101	2595 to 2620	Pass
					4.43	2601.017	2619.117	2595 to 2620	Pass
				-30	3.85	2601.046	2619.099	2595 to 2620	Pass
				-20	3.85	2601.018	2619.097	2595 to 2620	Pass
				-10	3.85	2601.011	2619.107	2595 to 2620	Pass
				0	3.85	2601.015	2619.107	2595 to 2620	Pass
				10	3.85	2601.016	2619.073	2595 to 2620	Pass
				30	3.85	2601.023	2619.103	2595 to 2620	Pass
				40	3.85	2601.032	2619.118	2595 to 2620	Pass
				50	3.85	2601.042	2619.108	2595 to 2620	Pass
16QAM	2580	100	0	20	3.27	2571.039	2589.113	2570 to 2595	Pass
					3.85	2571.007	2589.114	2570 to 2595	Pass
					4.43	2571.019	2589.093	2570 to 2595	Pass
				-30	3.85	2571.018	2589.081	2570 to 2595	Pass
				-20	3.85	2571.023	2589.094	2570 to 2595	Pass
				-10	3.85	2571.044	2589.118	2570 to 2595	Pass
				0	3.85	2571.029	2589.070	2570 to 2595	Pass
				10	3.85	2571.024	2589.066	2570 to 2595	Pass
				30	3.85	2571.031	2589.101	2570 to 2595	Pass
				40	3.85	2571.036	2589.104	2570 to 2595	Pass
				50	3.85	2571.037	2589.094	2570 to 2595	Pass
	2595	100	0	20	3.27	2585.988	2604.104	2570 to 2620	Pass
					3.85	2585.996	2604.130	2570 to 2620	Pass
					4.43	2586.040	2604.122	2570 to 2620	Pass
				-30	3.85	2586.012	2604.111	2570 to 2620	Pass
				-20	3.85	2586.050	2604.123	2570 to 2620	Pass
				-10	3.85	2586.007	2604.106	2570 to 2620	Pass
				0	3.85	2586.034	2604.117	2570 to 2620	Pass
				10	3.85	2586.013	2604.128	2570 to 2620	Pass
				30	3.85	2586.031	2604.111	2570 to 2620	Pass
				40	3.85	2586.045	2604.124	2570 to 2620	Pass

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	2610	100	0	50	3.85	2586.039	2604.134	2570 to 2620	Pass
				20	3.27	2601.017	2619.150	2595 to 2620	Pass
					3.85	2601.013	2619.127	2595 to 2620	Pass
					4.43	2601.007	2619.115	2595 to 2620	Pass
				-30	3.85	2601.008	2619.126	2595 to 2620	Pass
				-20	3.85	2601.014	2619.124	2595 to 2620	Pass
				-10	3.85	2601.022	2619.120	2595 to 2620	Pass
				0	3.85	2601.031	2619.120	2595 to 2620	Pass
				10	3.85	2600.998	2619.122	2595 to 2620	Pass
				30	3.85	2601.031	2619.126	2595 to 2620	Pass
				40	3.85	2601.032	2619.129	2595 to 2620	Pass
				50	3.85	2601.032	2619.114	2595 to 2620	Pass

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8. Output Power(Radiated Measurement)**8.1 Test Result****LTE FDD Band 38**

Bandwidth	Frequency (MHz)	P _{mea}	P _{cl}	G _a	P _{ag}	ERP	Limit	Margin
5MHz QPSK	2572.5	-17.65	4.03	8.38	35.51	22.21	33.01	-10.80
	2595	-18.53	4.08	8.33	35.56	21.28	33.01	-11.73
	2617.5	-18.98	4.14	8.26	35.63	20.77	33.01	-12.24
10MHz QPSK	2575	-17.43	4.03	8.38	35.51	22.43	33.01	-10.58
	2595	-18.79	4.08	8.33	35.56	21.02	33.01	-11.99
	2615	-19.00	4.14	8.26	35.63	20.75	33.01	-12.26
15MHz QPSK	2577.5	-17.40	4.03	8.38	35.51	22.46	33.01	-10.55
	2595	-18.58	4.08	8.33	35.56	21.23	33.01	-11.78
	2612.5	-19.21	4.14	8.26	35.63	20.54	33.01	-12.47
20MHz QPSK	2580	-17.46	4.03	8.38	35.51	22.40	33.01	-10.61
	2595	-18.71	4.08	8.33	35.56	21.10	33.01	-11.91
	2610	-19.07	4.14	8.26	35.63	20.68	33.01	-12.33
5MHz 16QAM	2572.5	-17.75	4.03	8.38	35.51	22.11	33.01	-10.90
	2595	-18.78	4.08	8.33	35.56	21.03	33.01	-11.98
	2617.5	-19.21	4.14	8.26	35.63	20.54	33.01	-12.47
10MHz 16QAM	2575	-17.72	4.03	8.38	35.51	22.14	33.01	-10.87
	2595	-18.83	4.08	8.33	35.56	20.98	33.01	-12.03
	2615	-19.13	4.14	8.26	35.63	20.62	33.01	-12.39
15MHz 16QAM	2577.5	-17.72	4.03	8.38	35.51	22.14	33.01	-10.87
	2595	-18.52	4.08	8.33	35.56	21.29	33.01	-11.72
	2612.5	-18.95	4.14	8.26	35.63	20.80	33.01	-12.21
20MHz 16QAM	2580	-17.49	4.03	8.38	35.51	22.37	33.01	-10.64
	2595	-18.57	4.08	8.33	35.56	21.24	33.01	-11.77
	2610	-19.13	4.14	8.26	35.63	20.62	33.01	-12.39

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9. Spurious Emission(Radiated Measurement)**9.1 Test Result**

LTE Band 38_Channel Bandwidth 5MHz_QPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5145	-40.55	5.88	3.00	10.77	-35.66	-25.00	-10.66	H
7717.5	-45.10	7.12	3.00	12.26	-39.96	-25.00	-14.96	H
5145	-42.24	5.88	3.00	10.77	-37.35	-25.00	-12.35	V
7717.5	-47.82	7.12	3.00	12.26	-42.68	-25.00	-17.68	V

LTE Band 38_Channel Bandwidth 5MHz_QPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190	-40.06	5.9	3.00	10.81	-35.15	-25.00	-10.15	H
7785	-45.63	7.19	3.00	12.32	-40.50	-25.00	-15.50	H
5190	-42.69	5.9	3.00	10.81	-37.78	-25.00	-12.78	V
7785	-47.47	7.19	3.00	12.32	-42.34	-25.00	-17.34	V

LTE Band 38_Channel Bandwidth 5MHz_QPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5235	-40.84	5.94	3.00	10.86	-35.92	-25.00	-10.92	H
7852.5	-42.49	7.25	3.00	12.98	-36.76	-25.00	-11.76	H
5235	-45.59	5.94	3.00	10.86	-40.67	-25.00	-15.67	V
7852.5	-47.97	7.25	3.00	12.98	-42.24	-25.00	-17.24	V

LTE Band 38_Channel Bandwidth 10MHz_QPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5150	-40.69	5.88	3.00	10.77	-35.80	-25.00	-10.80	H
7725	-45.22	7.12	3.00	12.26	-40.08	-25.00	-15.08	H
5150	-42.41	5.88	3.00	10.77	-37.52	-25.00	-12.52	V
7725	-47.84	7.12	3.00	12.26	-42.70	-25.00	-17.70	V

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LTE Band 38_Channel Bandwidth 10MHz_QPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190	-40.16	5.9	3.00	10.81	-35.25	-25.00	-10.25	H
7785	-45.73	7.19	3.00	12.32	-40.60	-25.00	-15.60	H
5190	-43.06	5.9	3.00	10.81	-38.15	-25.00	-13.15	V
7785	-47.12	7.19	3.00	12.32	-41.99	-25.00	-16.99	V

LTE Band 38_Channel Bandwidth 10MHz_QPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5230	-40.80	5.94	3.00	10.86	-35.88	-25.00	-10.88	H
7845	-42.38	7.25	3.00	12.98	-36.65	-25.00	-11.65	H
5230	-45.57	5.94	3.00	10.86	-40.65	-25.00	-15.65	V
7845	-48.00	7.25	3.00	12.98	-42.27	-25.00	-17.27	V

LTE Band 38_Channel Bandwidth 15MHz_QPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5155	-40.73	5.88	3.00	10.77	-35.84	-25.00	-10.84	H
7532.5	-44.96	7.12	3.00	12.26	-39.82	-25.00	-14.82	H
5155	-42.41	5.88	3.00	10.77	-37.52	-25.00	-12.52	V
7532.5	-47.78	7.12	3.00	12.26	-42.64	-25.00	-17.64	V

LTE Band 38_Channel Bandwidth 15MHz_QPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190	-39.94	5.9	3.00	10.81	-35.03	-25.00	-10.03	H
7785	-45.93	7.19	3.00	12.32	-40.80	-25.00	-15.80	H
5190	-42.90	5.9	3.00	10.81	-37.99	-25.00	-12.99	V
7785	-47.40	7.19	3.00	12.32	-42.27	-25.00	-17.27	V

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LTE Band 38_Channel Bandwidth 15MHz_QPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5225	-40.93	5.94	3.00	10.86	-36.01	-25.00	-11.01	H
7687.5	-42.68	7.25	3.00	12.98	-36.95	-25.00	-11.95	H
5225	-45.61	5.94	3.00	10.86	-40.69	-25.00	-15.69	V
7687.5	-47.90	7.25	3.00	12.98	-42.17	-25.00	-17.17	V

LTE Band 38_Channel Bandwidth 20MHz_QPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5160	-40.42	5.88	3.00	10.77	-35.53	-25.00	-10.53	H
7740	-44.92	7.12	3.00	12.26	-39.78	-25.00	-14.78	H
5160	-42.24	5.88	3.00	10.77	-37.35	-25.00	-12.35	V
7740	-47.80	7.12	3.00	12.26	-42.66	-25.00	-17.66	V

LTE Band 38_Channel Bandwidth 20MHz_QPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190	-39.97	5.9	3.00	10.81	-35.06	-25.00	-10.06	H
7785	-45.75	7.19	3.00	12.32	-40.62	-25.00	-15.62	H
5190	-42.79	5.9	3.00	10.81	-37.88	-25.00	-12.88	V
7785	-47.29	7.19	3.00	12.32	-42.16	-25.00	-17.16	V

LTE Band 38_Channel Bandwidth 20MHz_QPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Diatance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5220	-41.00	5.94	3.00	10.86	-36.08	-25.00	-11.08	H
7830	-42.37	7.25	3.00	12.98	-36.64	-25.00	-11.64	H
5220	-45.69	5.94	3.00	10.86	-40.77	-25.00	-15.77	V
7830	-47.74	7.25	3.00	12.98	-42.01	-25.00	-17.01	V