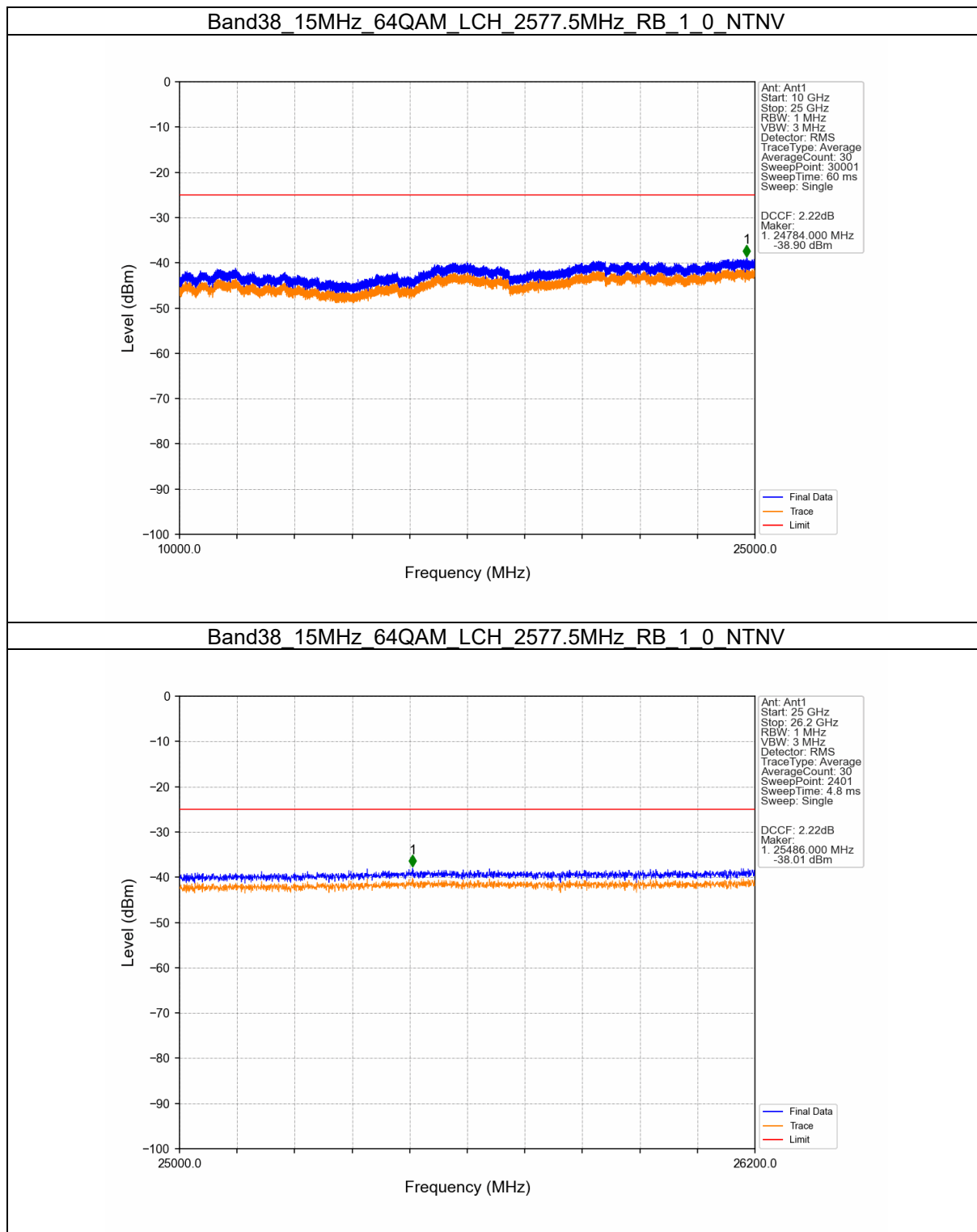




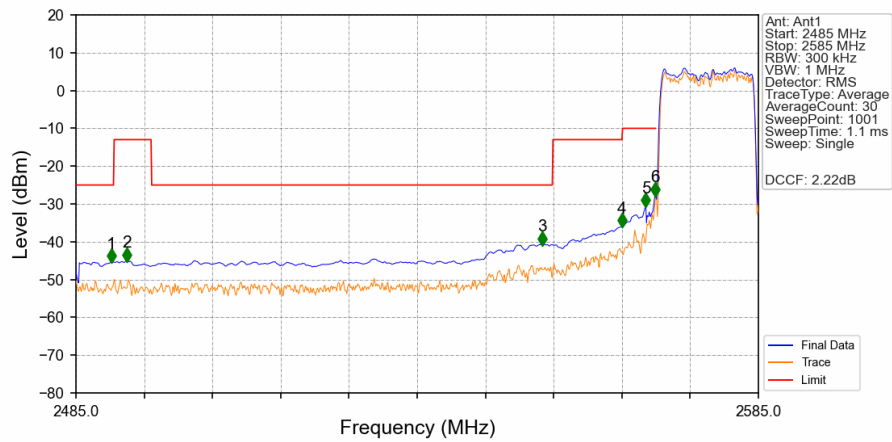
Test Report No.: RF260330B003





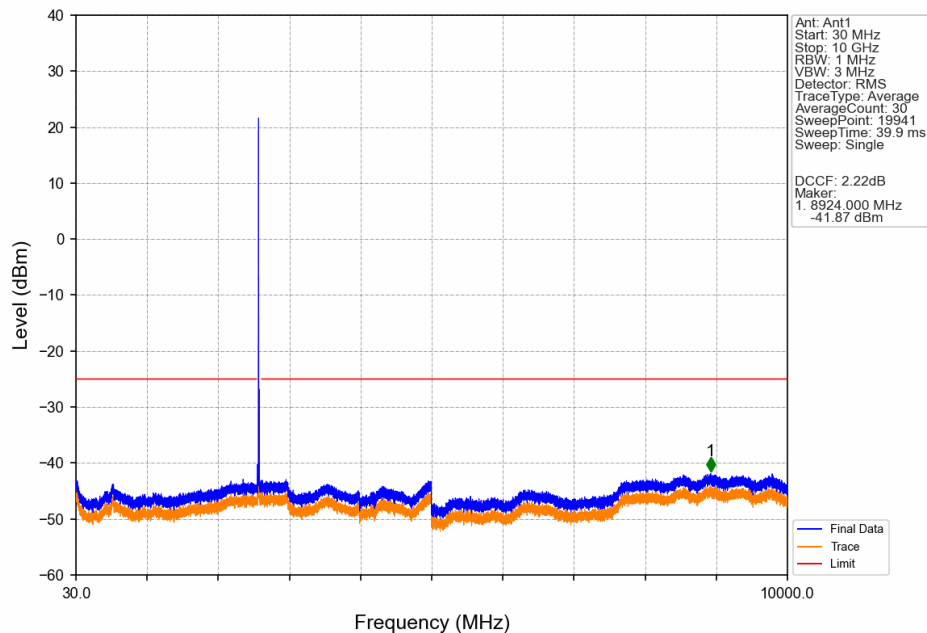
Test Report No.: RF260330B003

Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



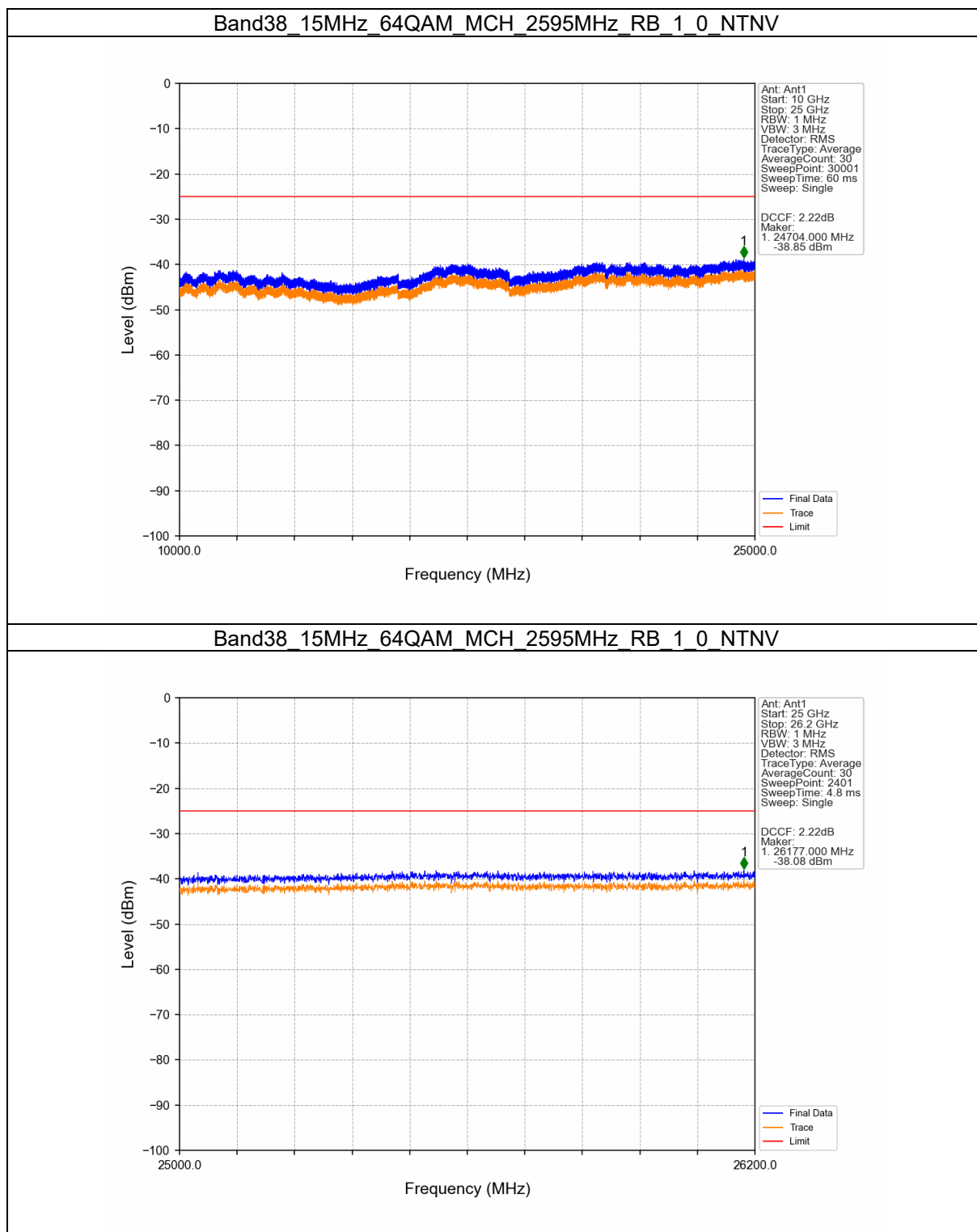
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.200	-45.28	-25	Pass
2490.5	2496	1	CHP	2	2492.500	-44.98	-13	Pass
2496	2554.822	1	CHP	3	2553.300	-40.72	-25	Pass
2554.822	2565	1	CHP	4	2565.000	-35.87	-13	Pass
2565	2569	1	CHP	5	2568.500	-30.52	-10	Pass
2569	2570	0.304	CHP	6	2569.900	-27.63	-10	Pass
2570	2585	0.304	CHP	/	/	/	/	/

Band38_15MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV



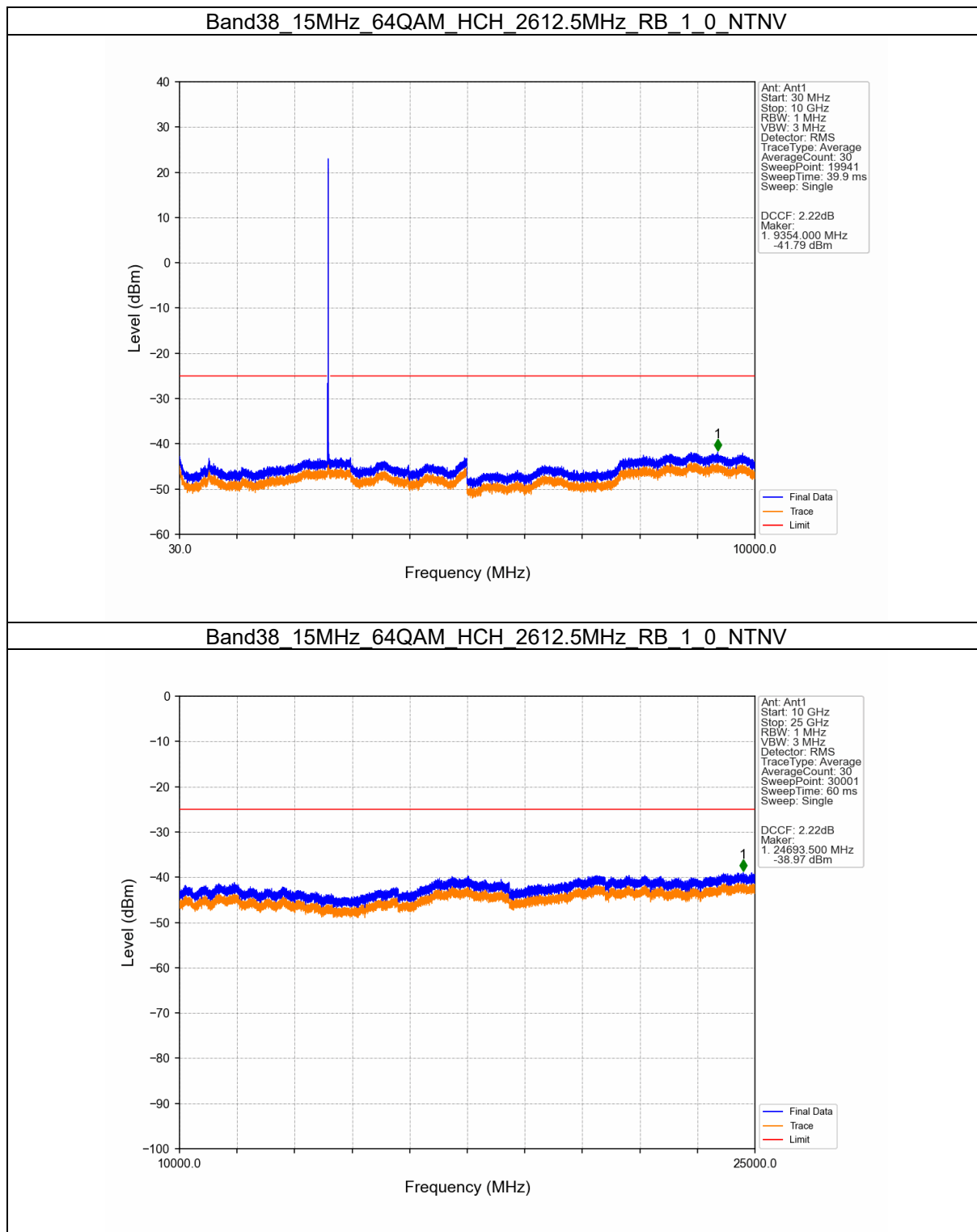


Test Report No.: RF260330B003

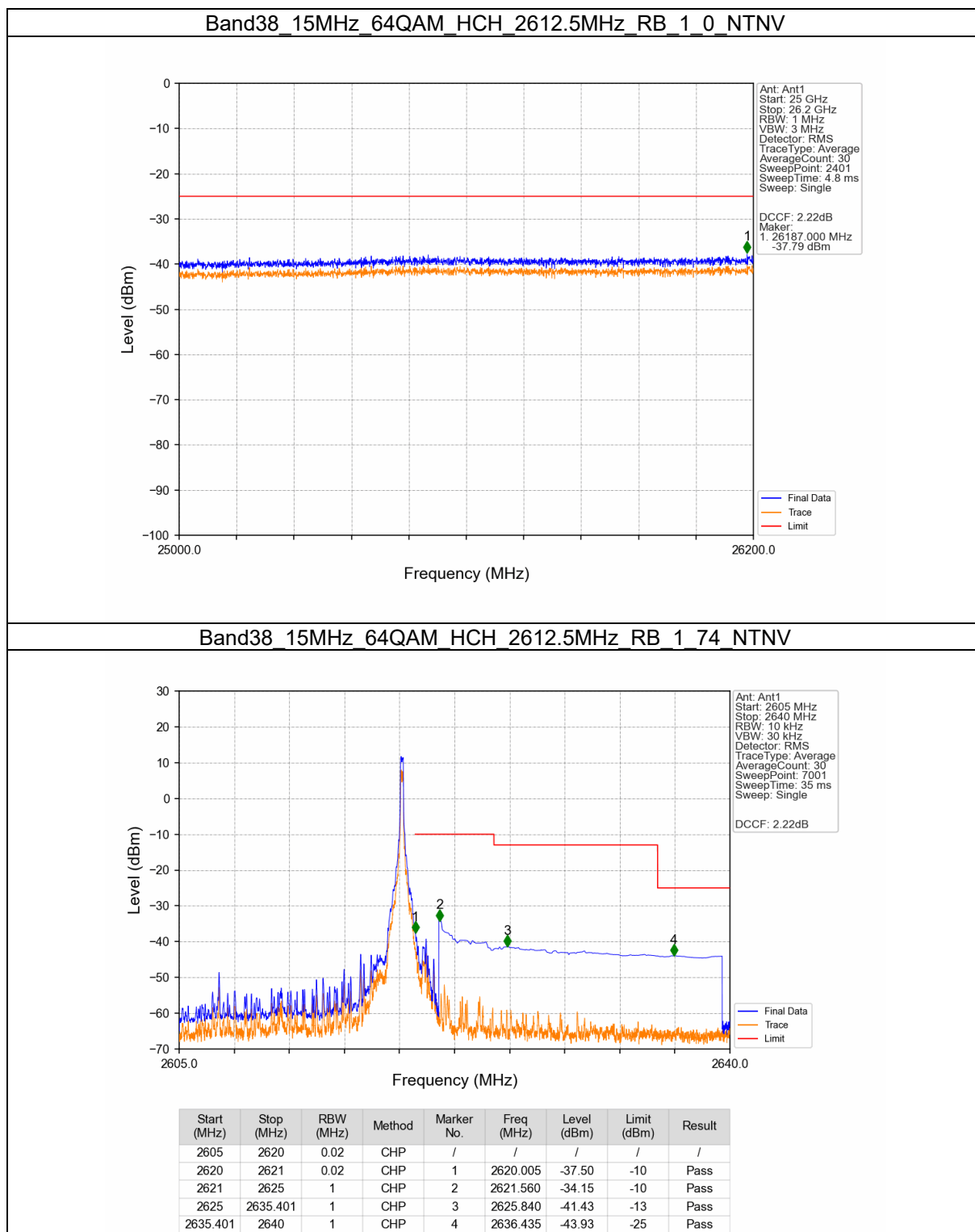




Test Report No.: RF260330B003

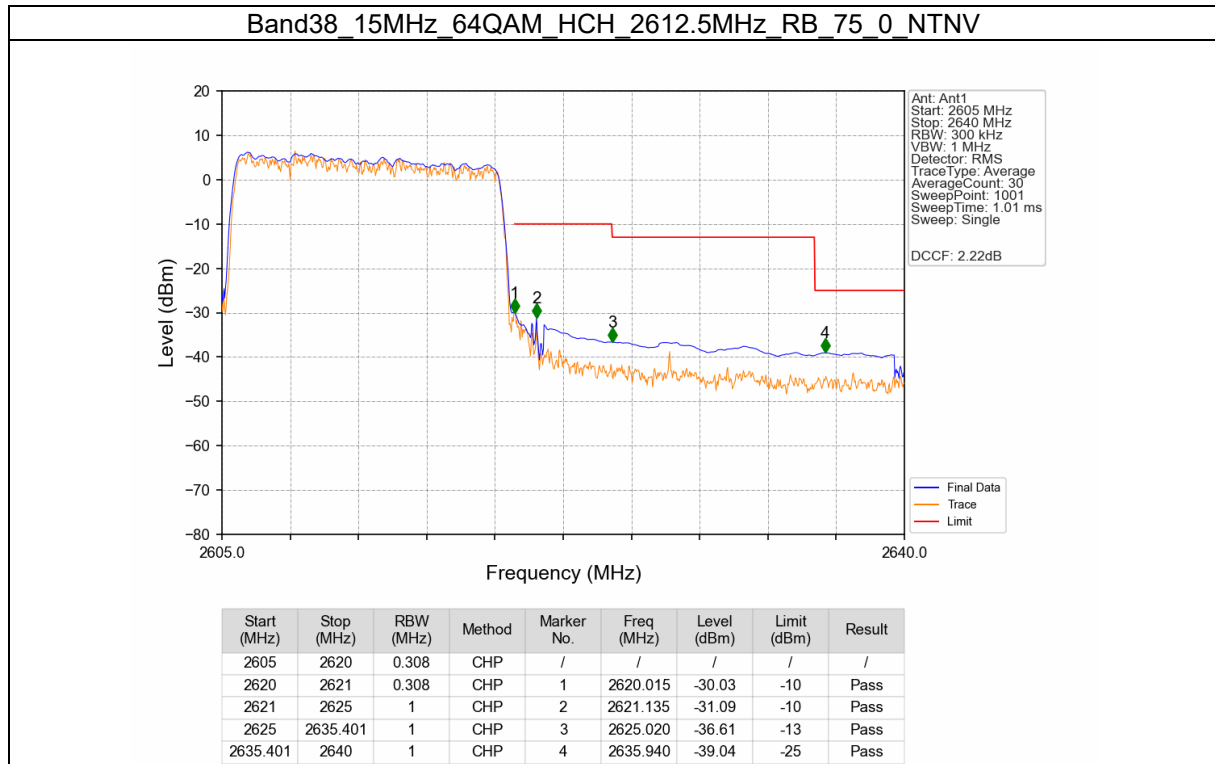


Test Report No.: RF260330B003





Test Report No.: RF260330B003

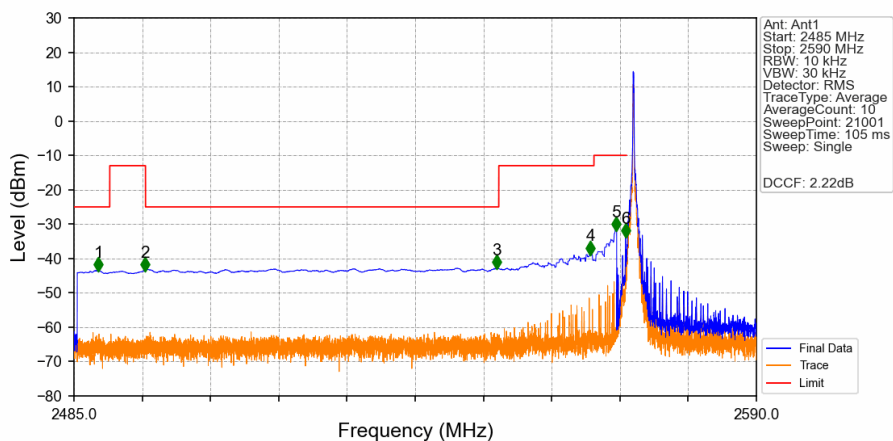




Test Report No.: RF260330B003

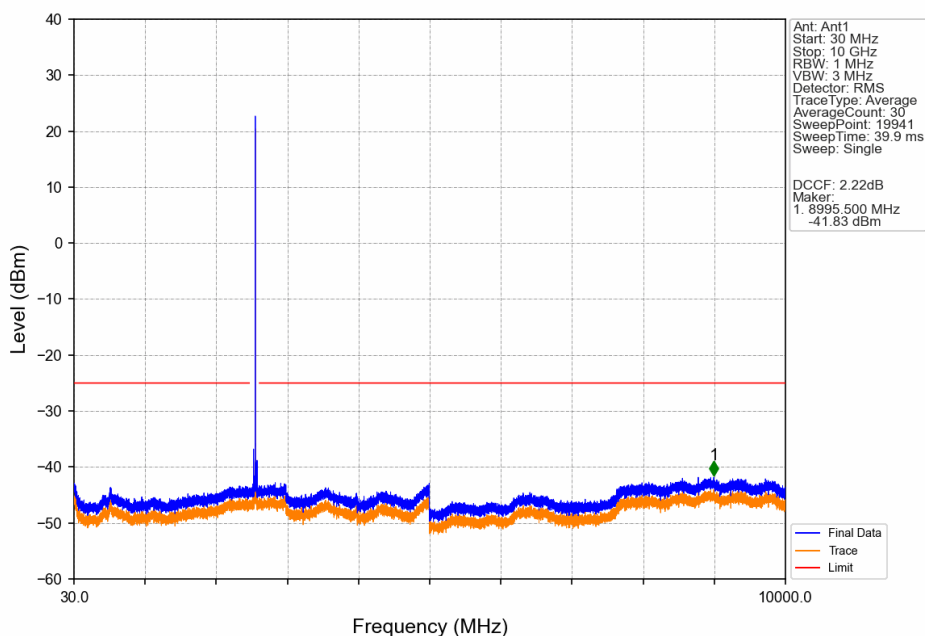
20MHz

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



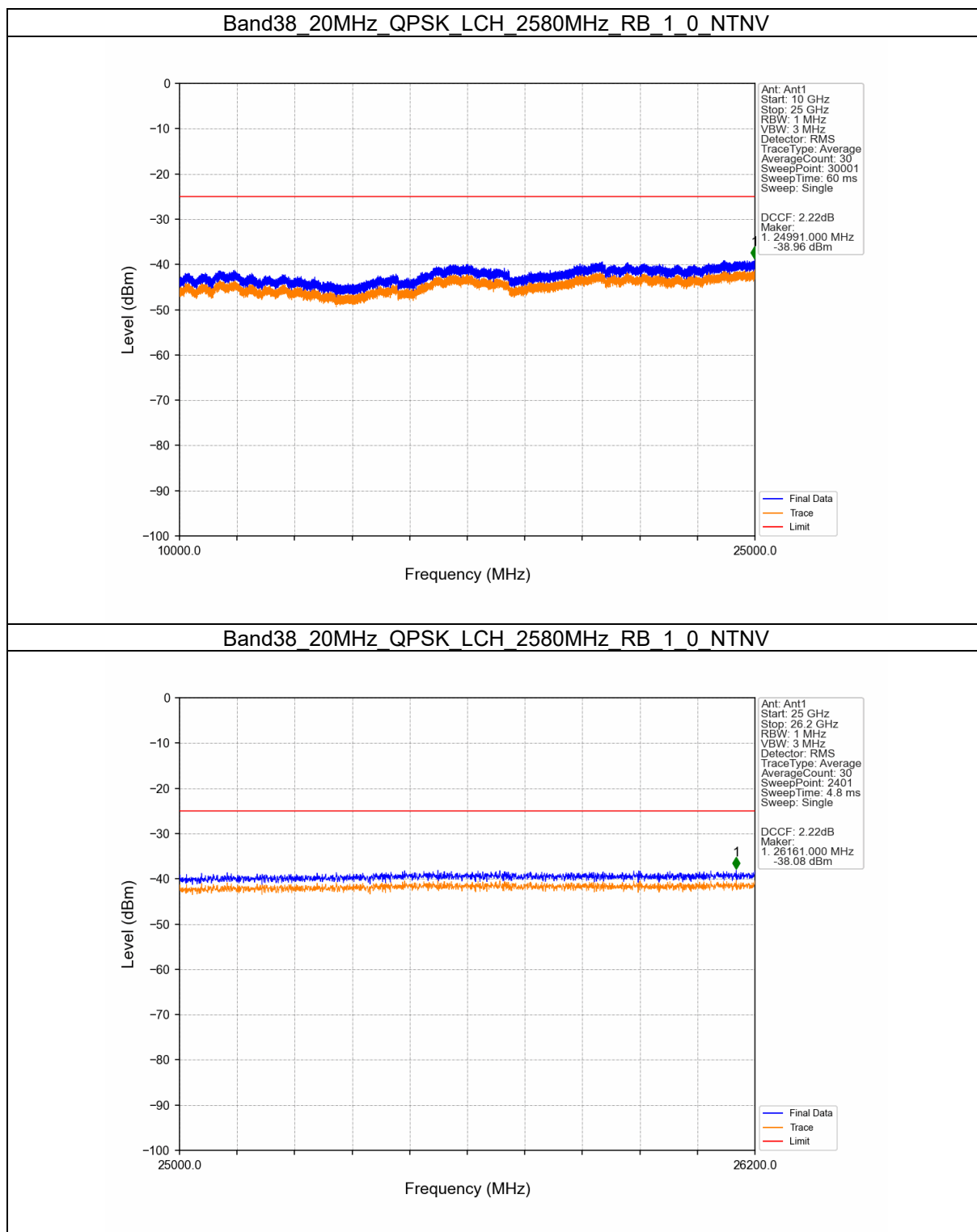
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.735	-43.45	-25	Pass
2490.5	2496	1	CHP	2	2495.945	-43.48	-13	Pass
2496	2550.364	1	CHP	3	2550.010	-42.76	-25	Pass
2550.364	2565	1	CHP	4	2564.445	-38.67	-13	Pass
2565	2569	1	CHP	5	2568.345	-31.67	-10	Pass
2569	2570	0.02	CHP	6	2569.865	-33.60	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV





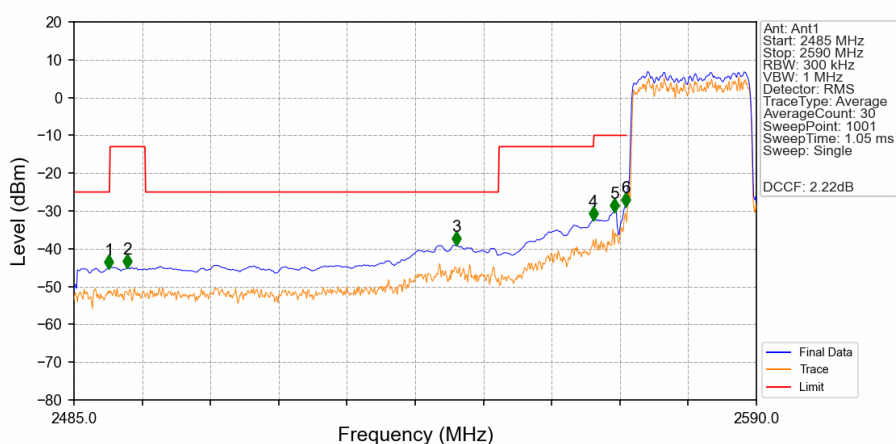
Test Report No.: RF260330B003





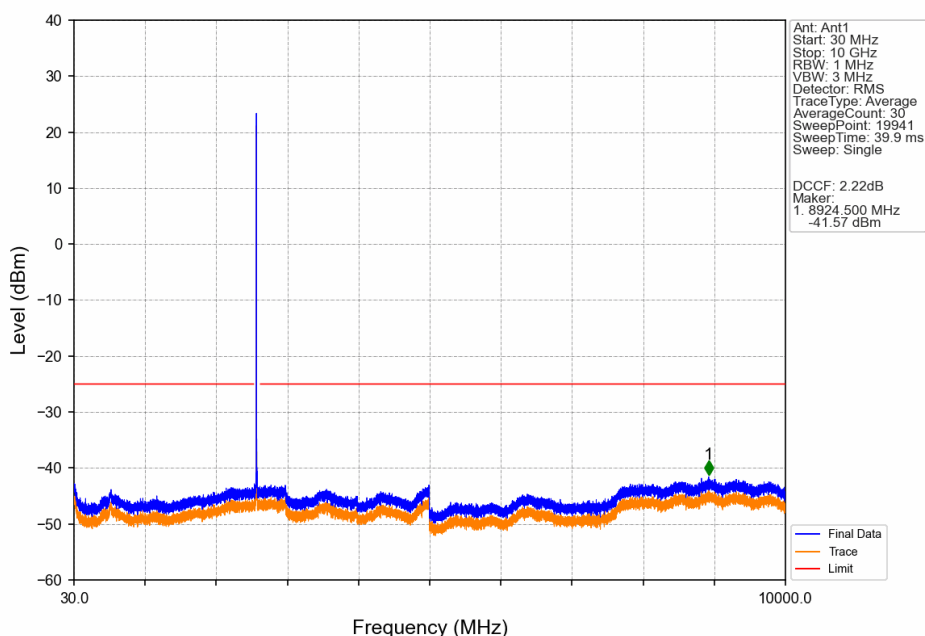
Test Report No.: RF260330B003

Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



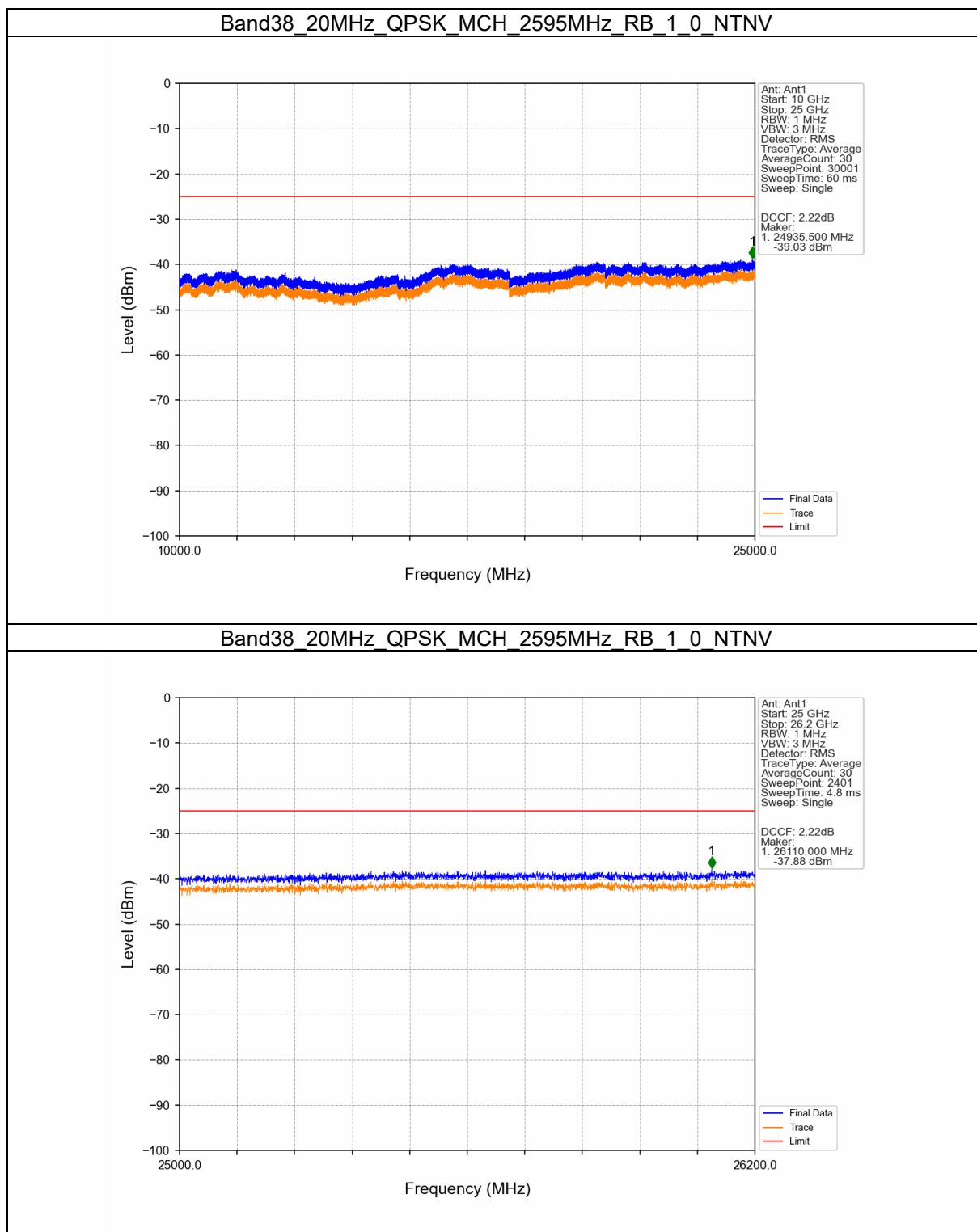
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.355	-45.02	-25	Pass
2490.5	2496	1	CHP	2	2493.190	-44.83	-13	Pass
2496	2550.364	1	CHP	3	2543.800	-38.94	-25	Pass
2550.364	2565	1	CHP	4	2564.905	-32.20	-13	Pass
2565	2569	1	CHP	5	2568.160	-30.07	-10	Pass
2569	2570	0.393	CHP	6	2569.945	-28.69	-10	Pass
2570	2590	0.393	CHP	/	/	/	/	/

Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV





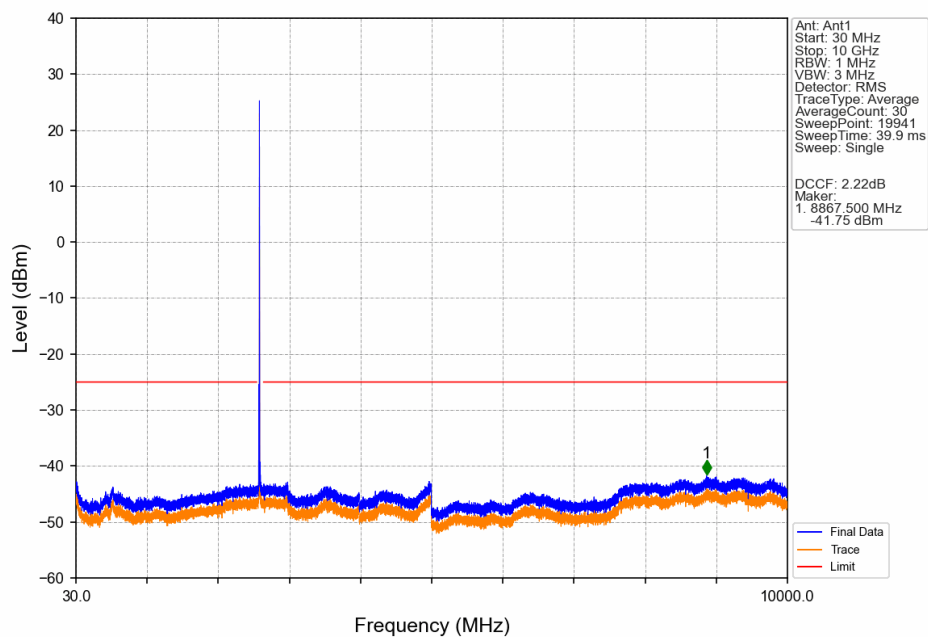
Test Report No.: RF260330B003



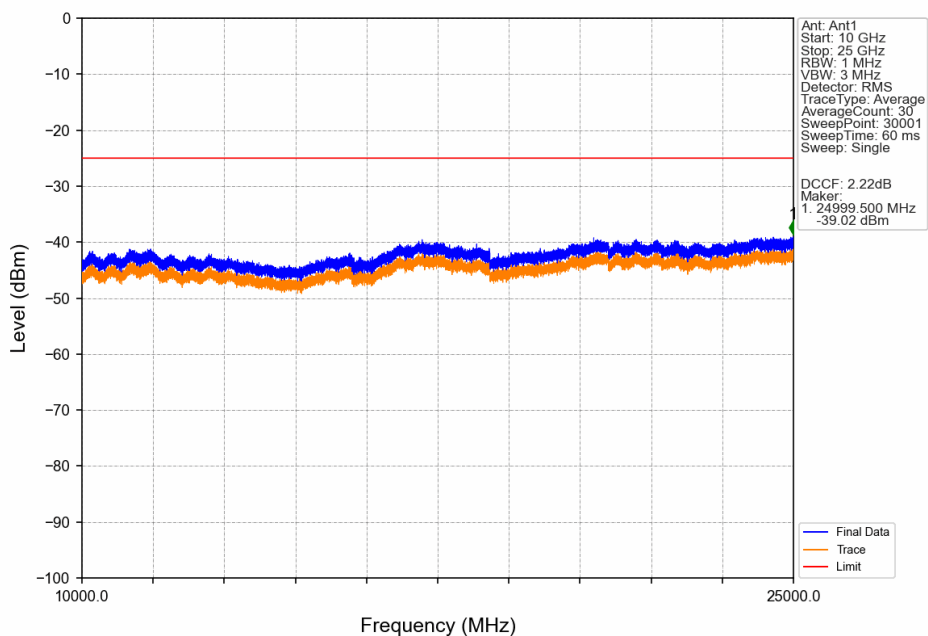


Test Report No.: RF260330B003

Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



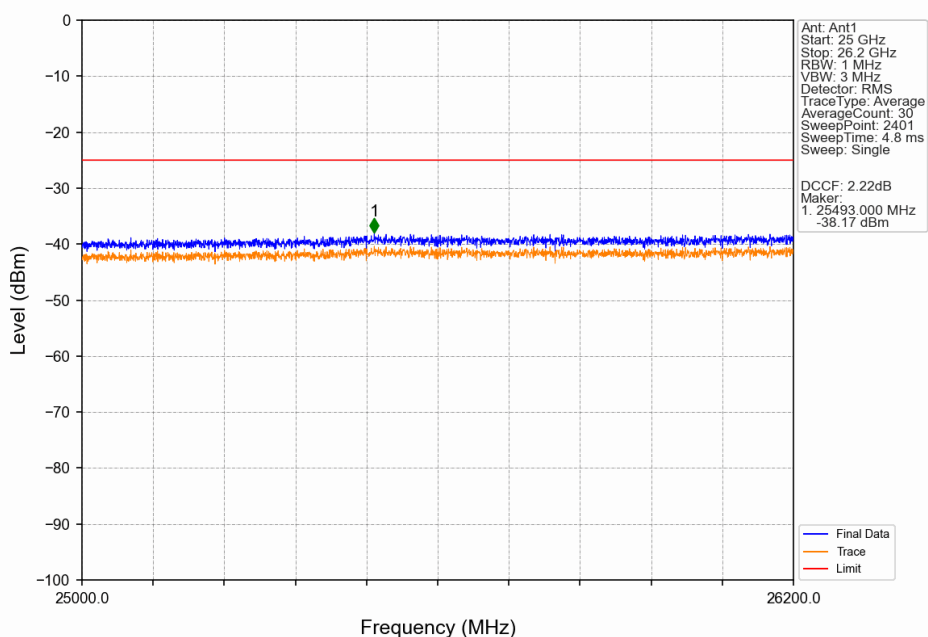
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



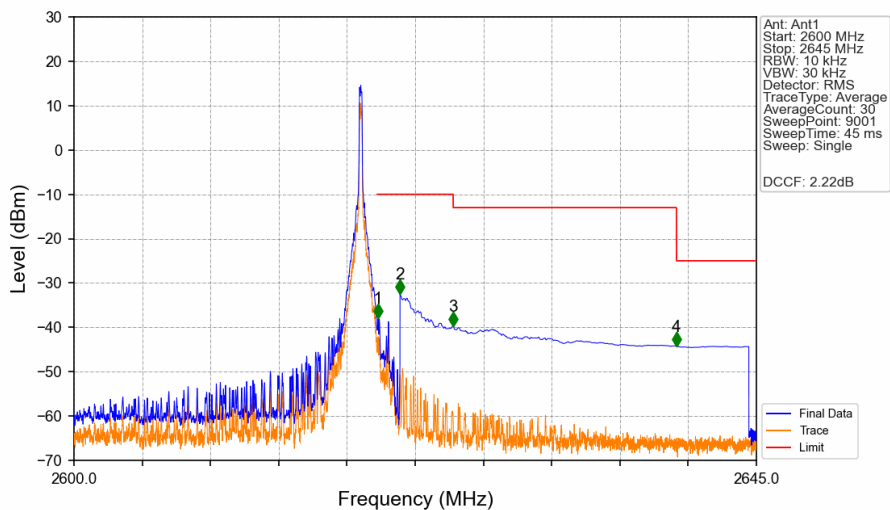


Test Report No.: RF260330B003

Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV

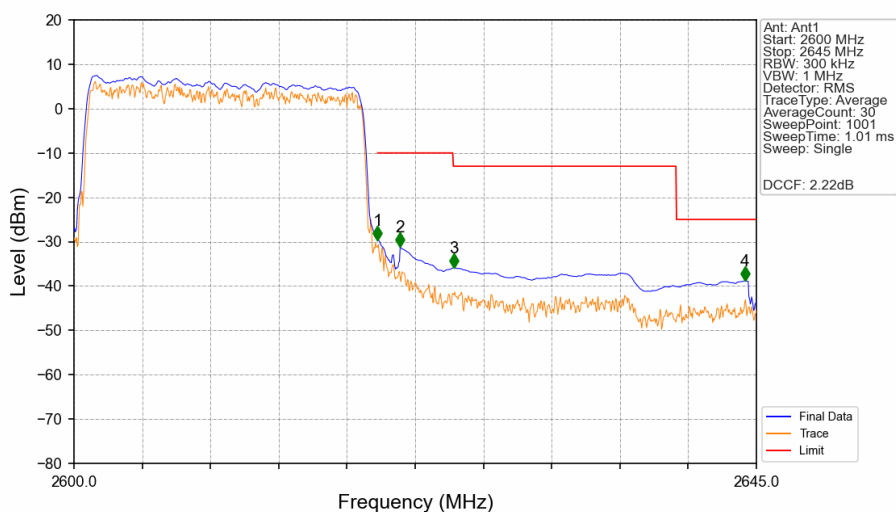


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.050	-37.87	-10	Pass
2621	2625	1	CHP	2	2621.500	-32.50	-10	Pass
2625	2639.727	1	CHP	3	2625.005	-39.70	-13	Pass
2639.727	2645	1	CHP	4	2639.735	-44.21	-25	Pass



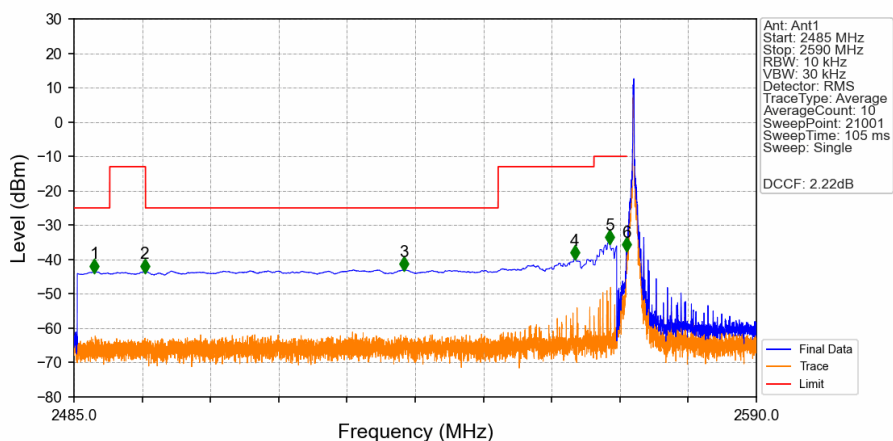
Test Report No.: RF260330B003

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	0.395	CHP	/	/	/	/	/
2620	2621	0.395	CHP	1	2620.025	-29.61	-10	Pass
2621	2625	1	CHP	2	2621.510	-31.14	-10	Pass
2625	2639.727	1	CHP	3	2625.065	-35.81	-13	Pass
2639.727	2645	1	CHP	4	2644.235	-38.85	-25	Pass

Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV

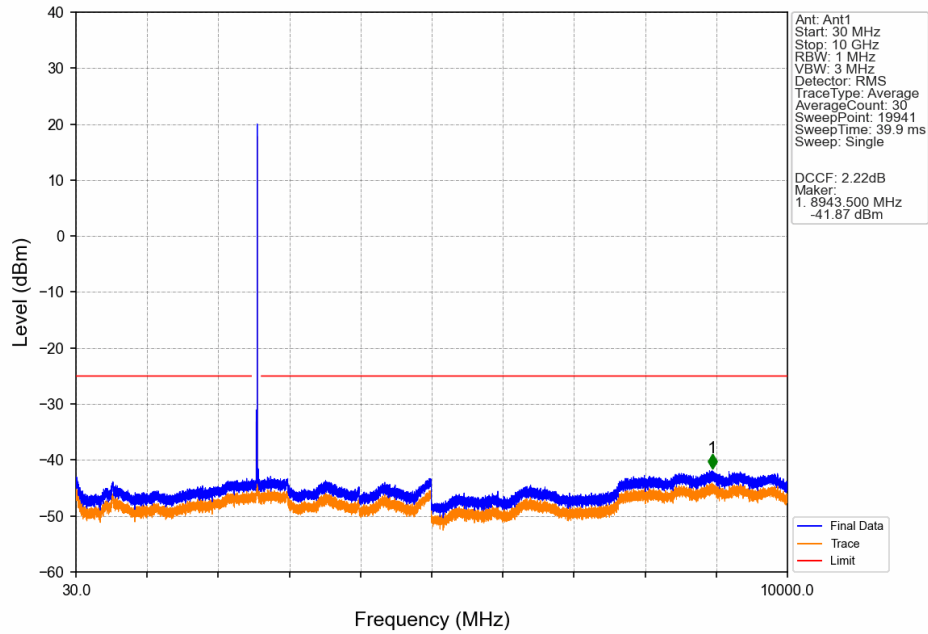


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.155	-43.57	-25	Pass
2490.5	2496	1	CHP	2	2495.860	-43.55	-13	Pass
2496	2550.262	1	CHP	3	2535.780	-42.98	-25	Pass
2550.262	2565	1	CHP	4	2562.050	-39.63	-13	Pass
2565	2569	1	CHP	5	2567.405	-35.19	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-37.28	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

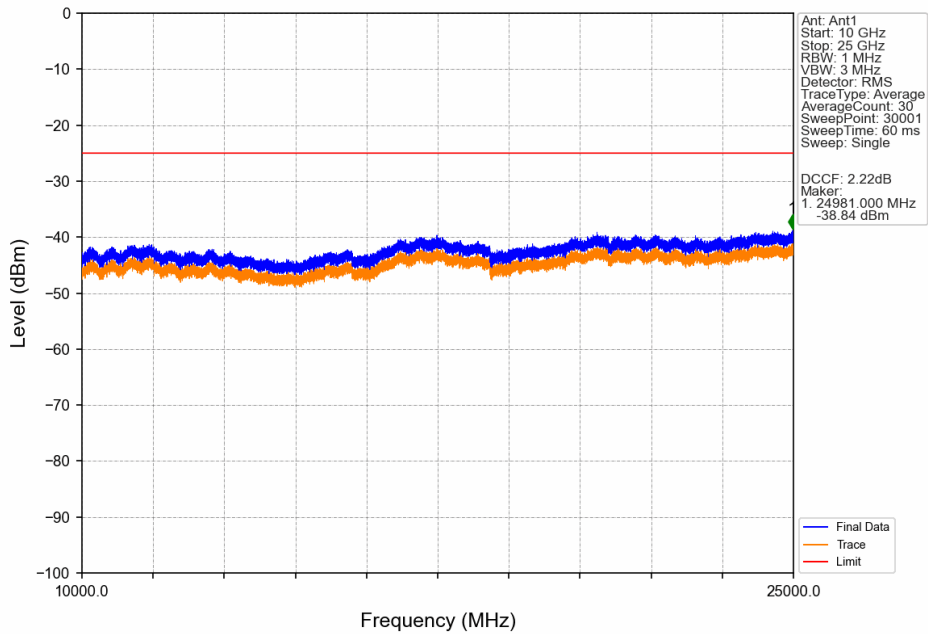


Test Report No.: RF260330B003

Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



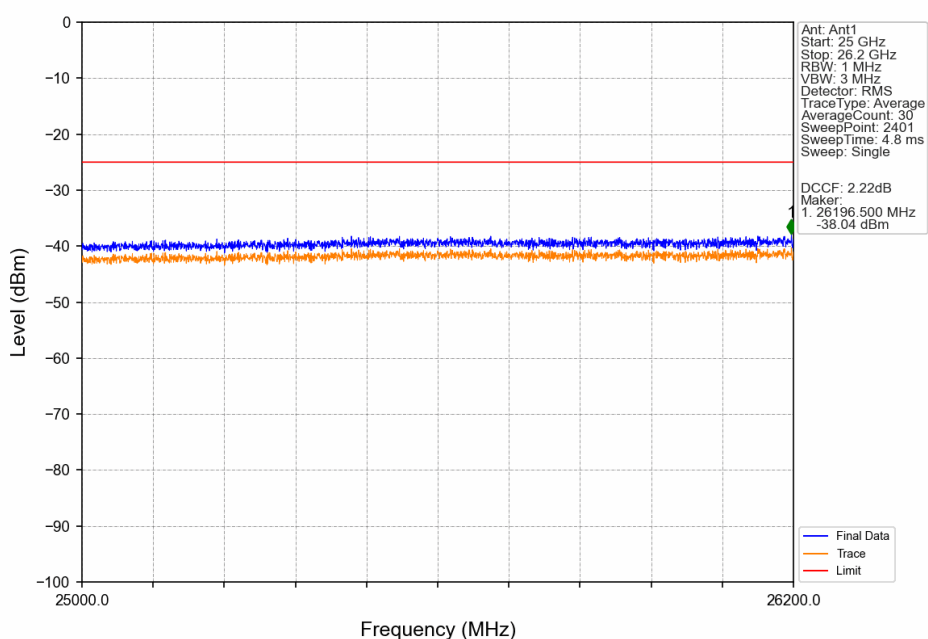
Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



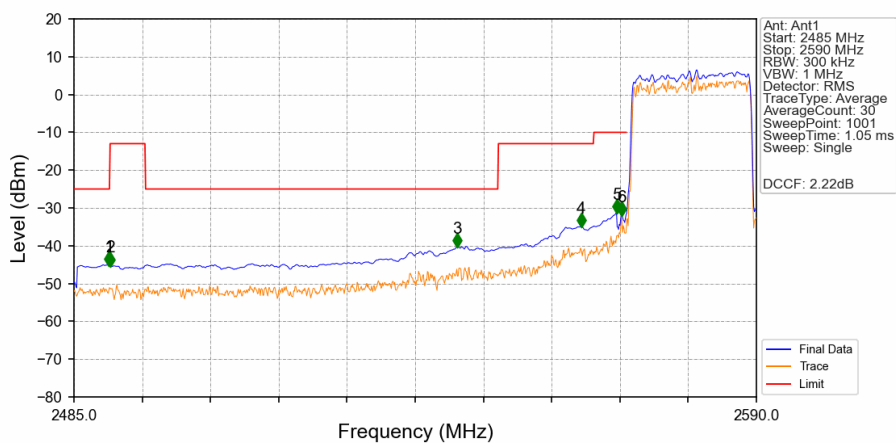


Test Report No.: RF260330B003

Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



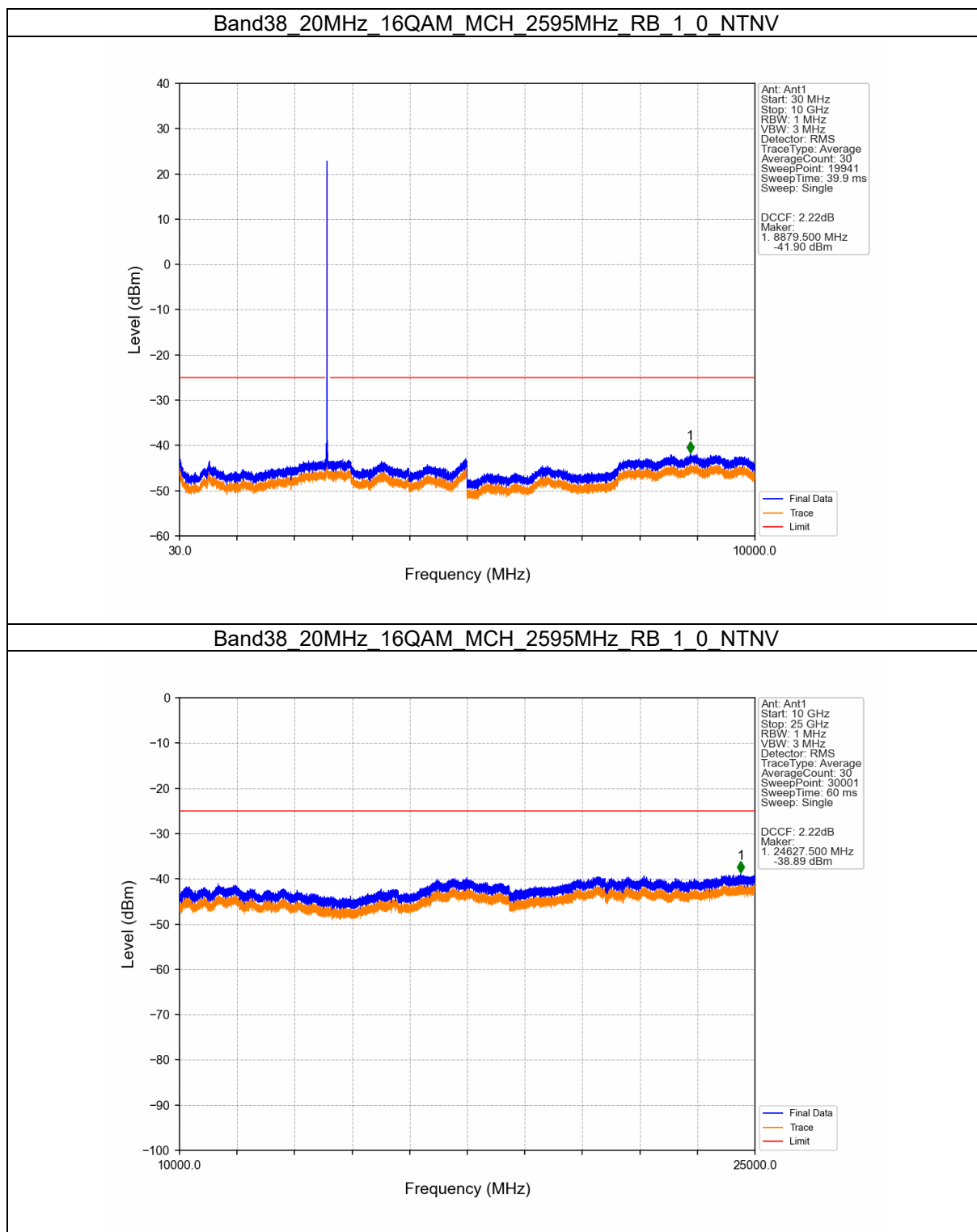
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.355	-45.03	-25	Pass
2490.5	2496	1	CHP	2	2490.565	-45.19	-13	Pass
2496	2550.262	1	CHP	3	2544.010	-40.21	-25	Pass
2550.262	2565	1	CHP	4	2563.015	-34.81	-13	Pass
2565	2569	1	CHP	5	2568.475	-31.22	-10	Pass
2569	2570	0.395	CHP	6	2569.315	-31.80	-10	Pass
2570	2590	0.395	CHP	/	/	/	/	/

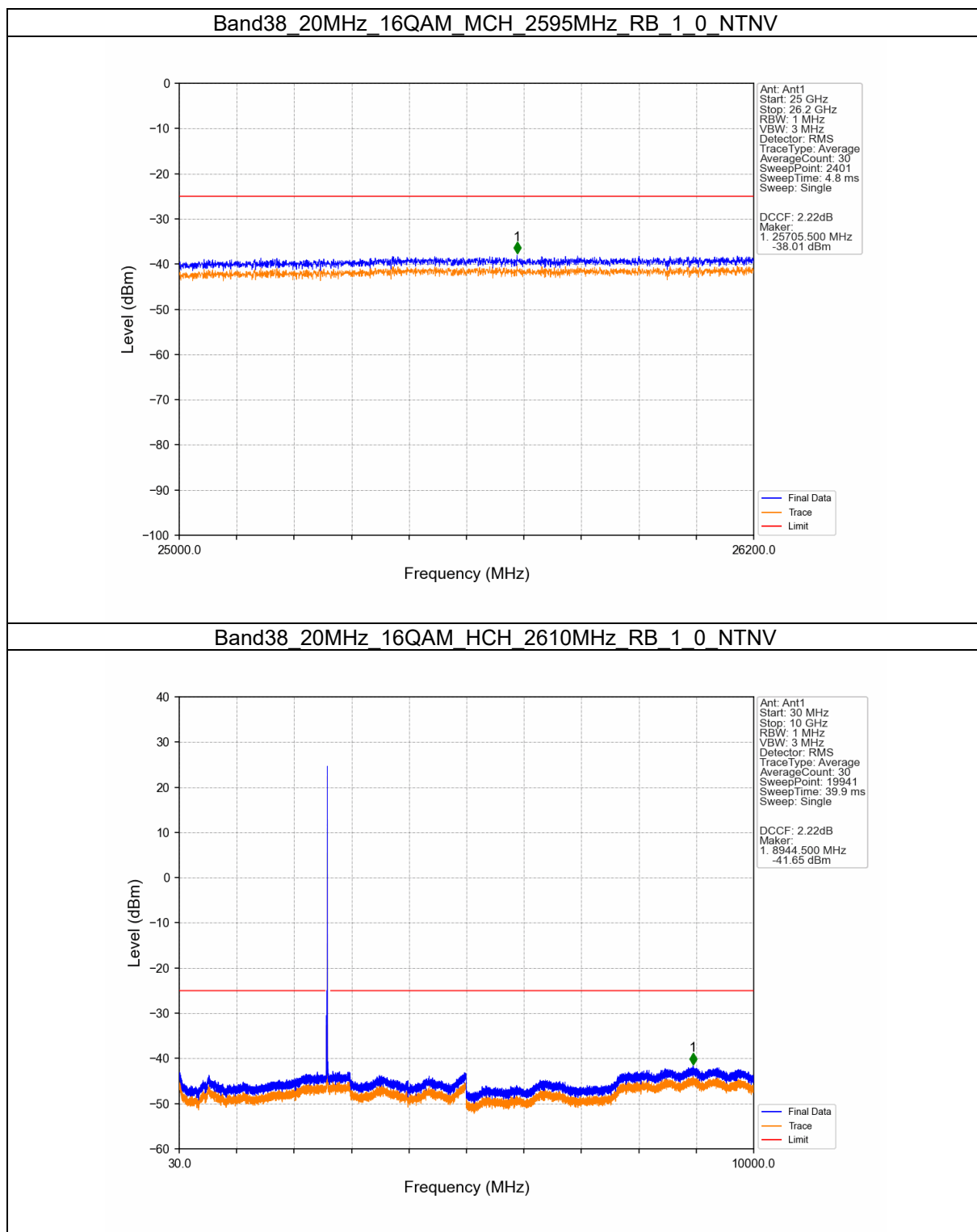


Test Report No.: RF260330B003



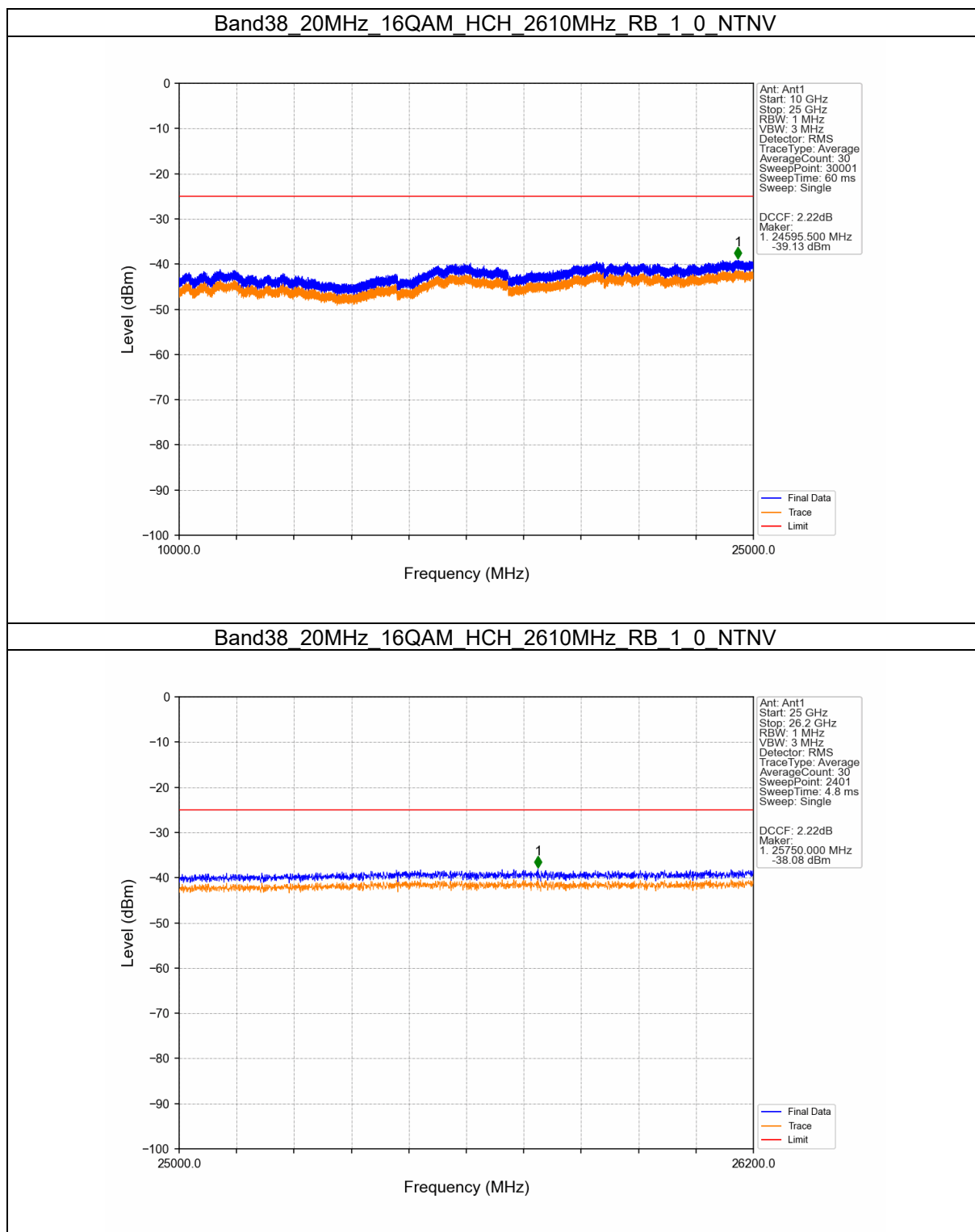


Test Report No.: RF260330B003





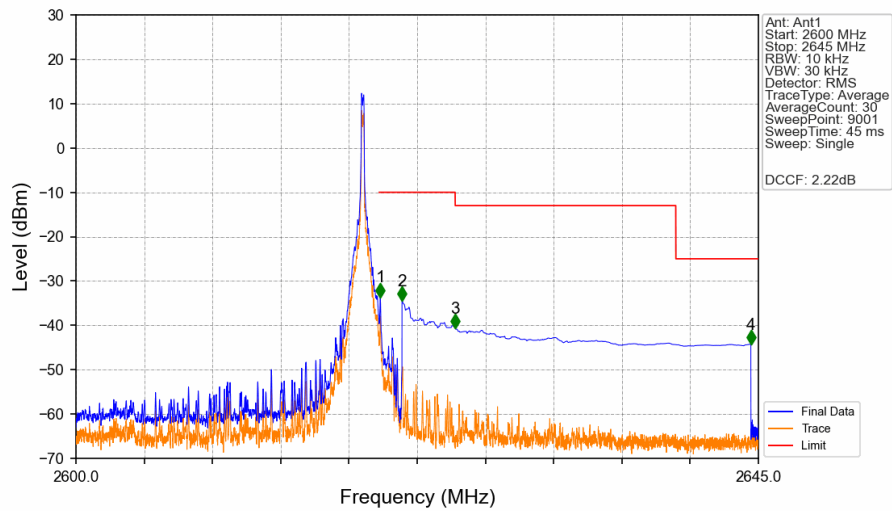
Test Report No.: RF260330B003





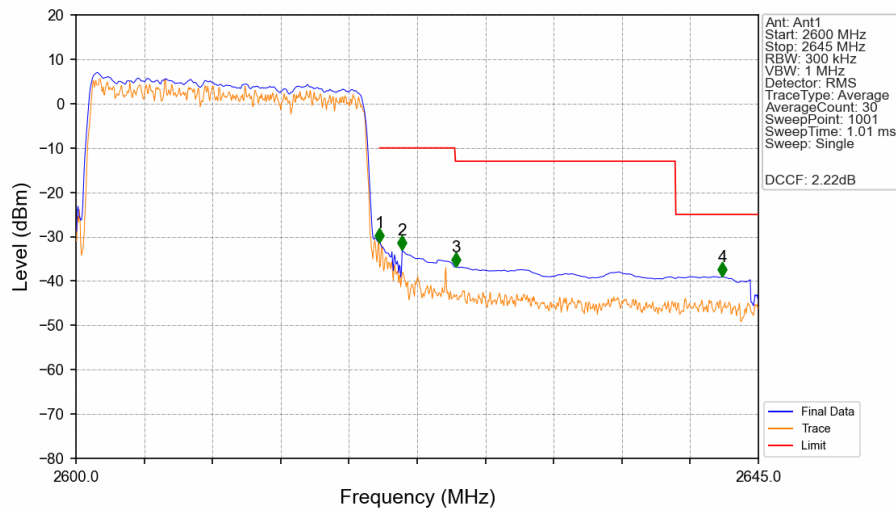
Test Report No.: RF260330B003

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	2620.070	-33.61	-10	Pass
2621	2625	1	CHP	2	2621.500	-34.36	-10	Pass
2625	2639.554	1	CHP	3	2625.005	-40.60	-13	Pass
2639.554	2645	1	CHP	4	2644.500	-44.24	-25	Pass

Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV

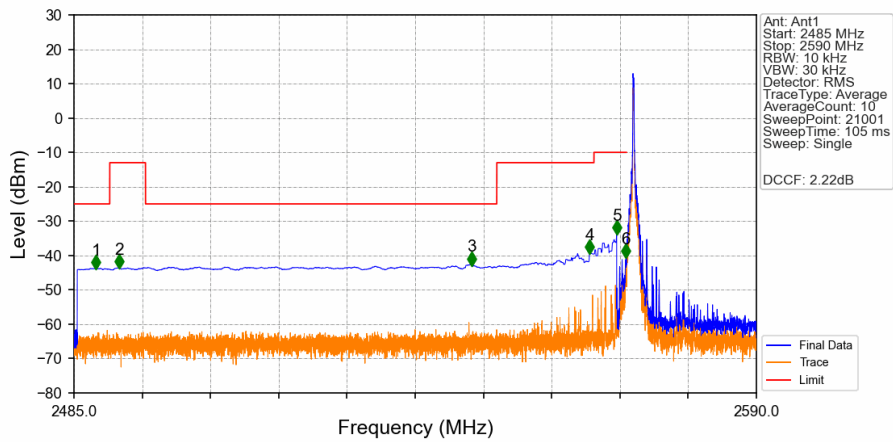


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.391	CHP	/	/	/	/	/
2620	2621	0.391	CHP	1	2620.025	-31.26	-10	Pass
2621	2625	1	CHP	2	2621.510	-33.01	-10	Pass
2625	2639.554	1	CHP	3	2625.065	-36.78	-13	Pass
2639.554	2645	1	CHP	4	2642.615	-39.01	-25	Pass



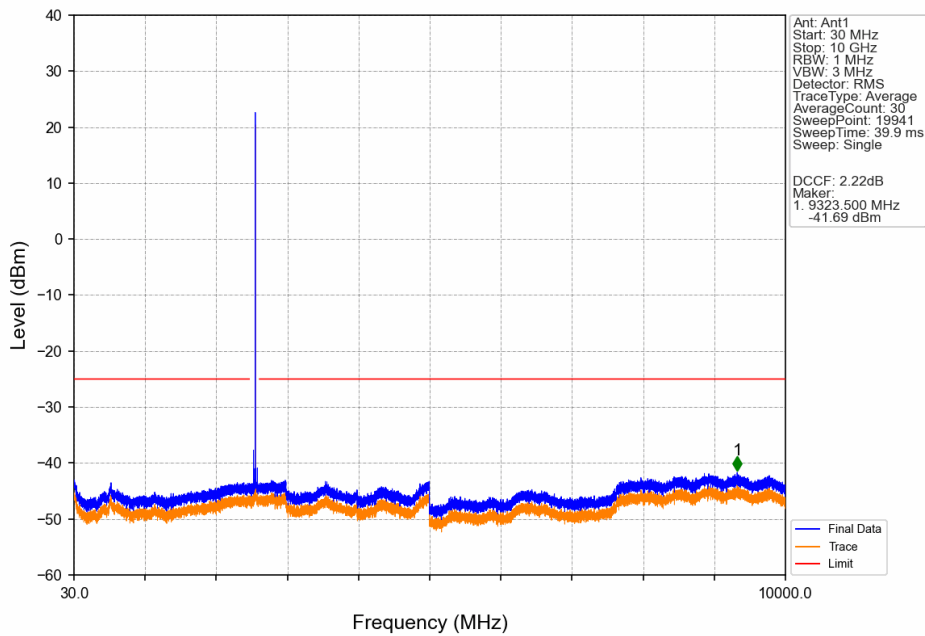
Test Report No.: RF260330B003

Band38_20MHz_64QAM_LCH_2580MHz_RB_1_0_NTNV



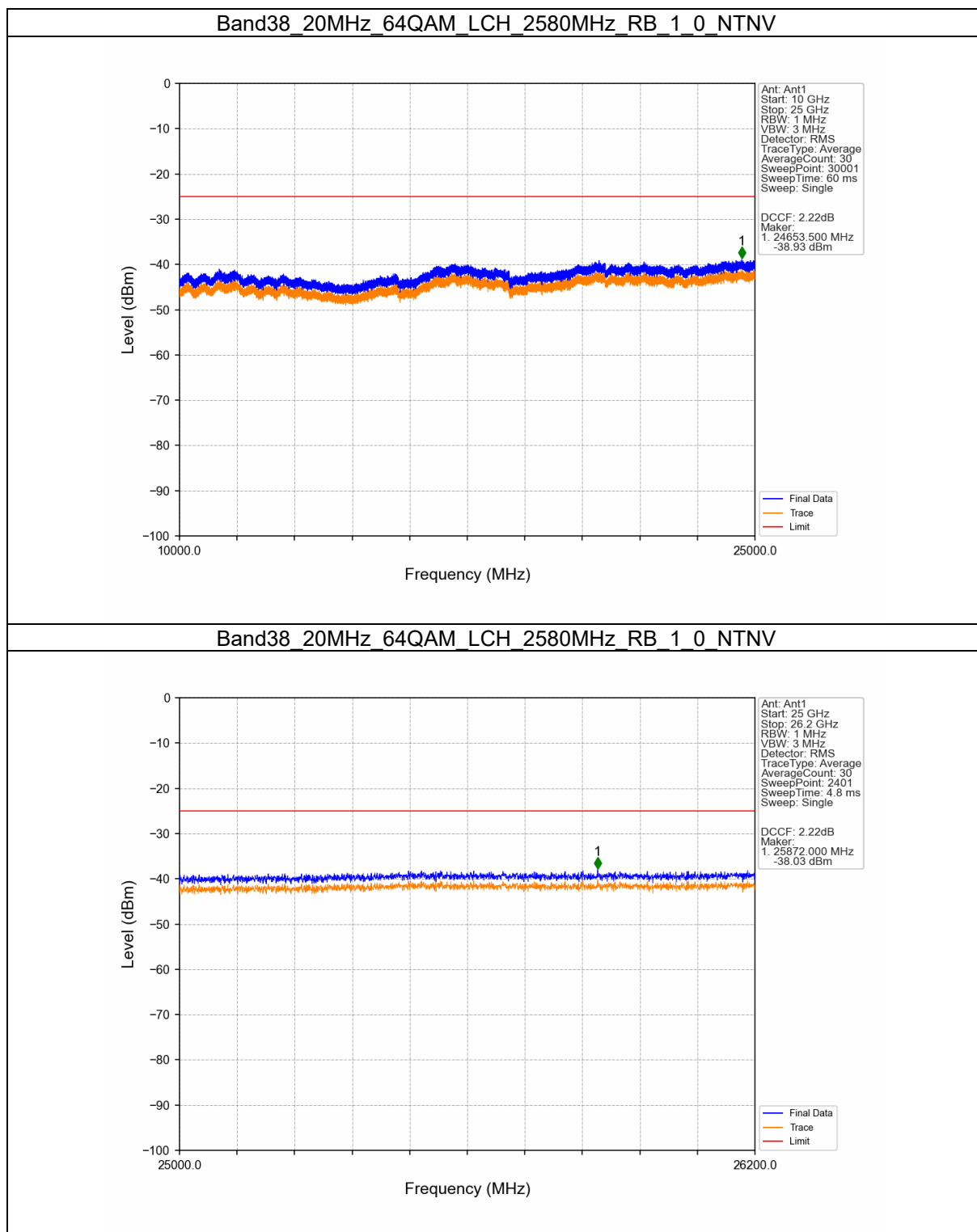
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.360	-43.63	-25	Pass
2490.5	2496	1	CHP	2	2491.945	-43.52	-13	Pass
2496	2550.051	1	CHP	3	2546.200	-42.63	-25	Pass
2550.051	2565	1	CHP	4	2564.365	-39.27	-13	Pass
2565	2569	1	CHP	5	2568.500	-33.62	-10	Pass
2569	2570	0.02	CHP	6	2569.955	-40.33	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

Band38_20MHz_64QAM_LCH_2580MHz_RB_1_0_NTNV





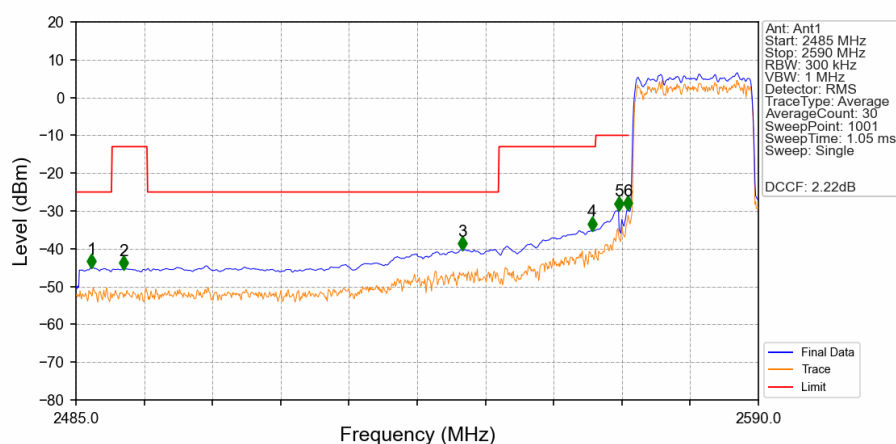
Test Report No.: RF260330B003





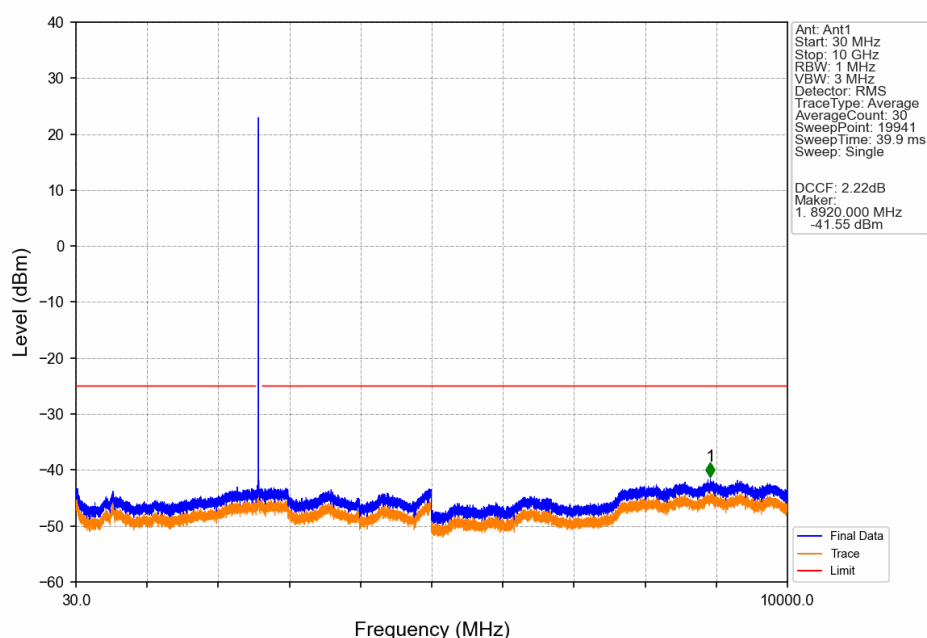
Test Report No.: RF260330B003

Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



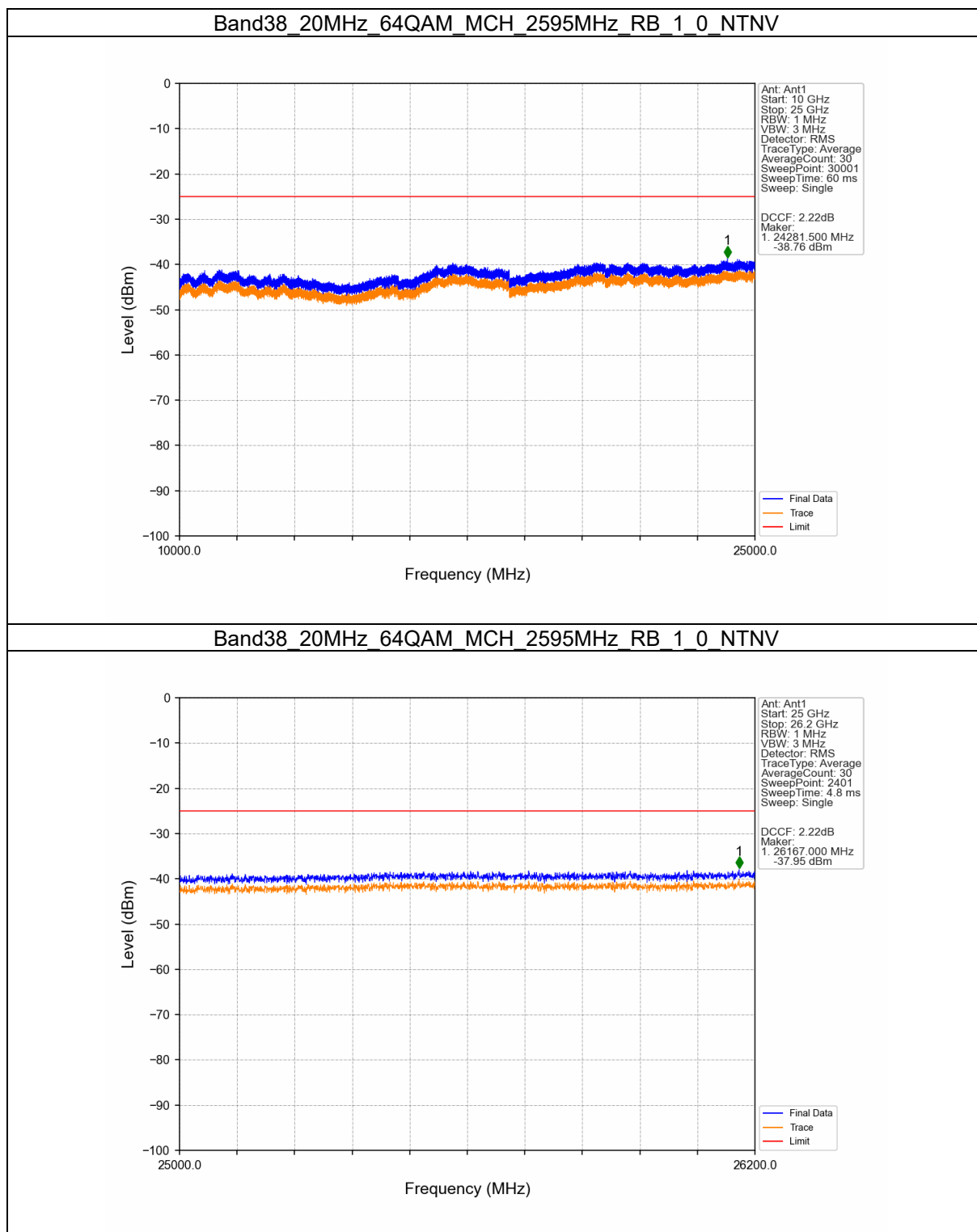
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.415	-44.84	-25	Pass
2490.5	2496	1	CHP	2	2492.350	-45.28	-13	Pass
2496	2550.051	1	CHP	3	2544.430	-40.18	-25	Pass
2550.051	2565	1	CHP	4	2564.380	-34.92	-13	Pass
2565	2569	1	CHP	5	2568.475	-29.56	-10	Pass
2569	2570	0.399	CHP	6	2569.945	-29.48	-10	Pass
2570	2590	0.399	CHP	/	/	/	/	/

Band38_20MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV



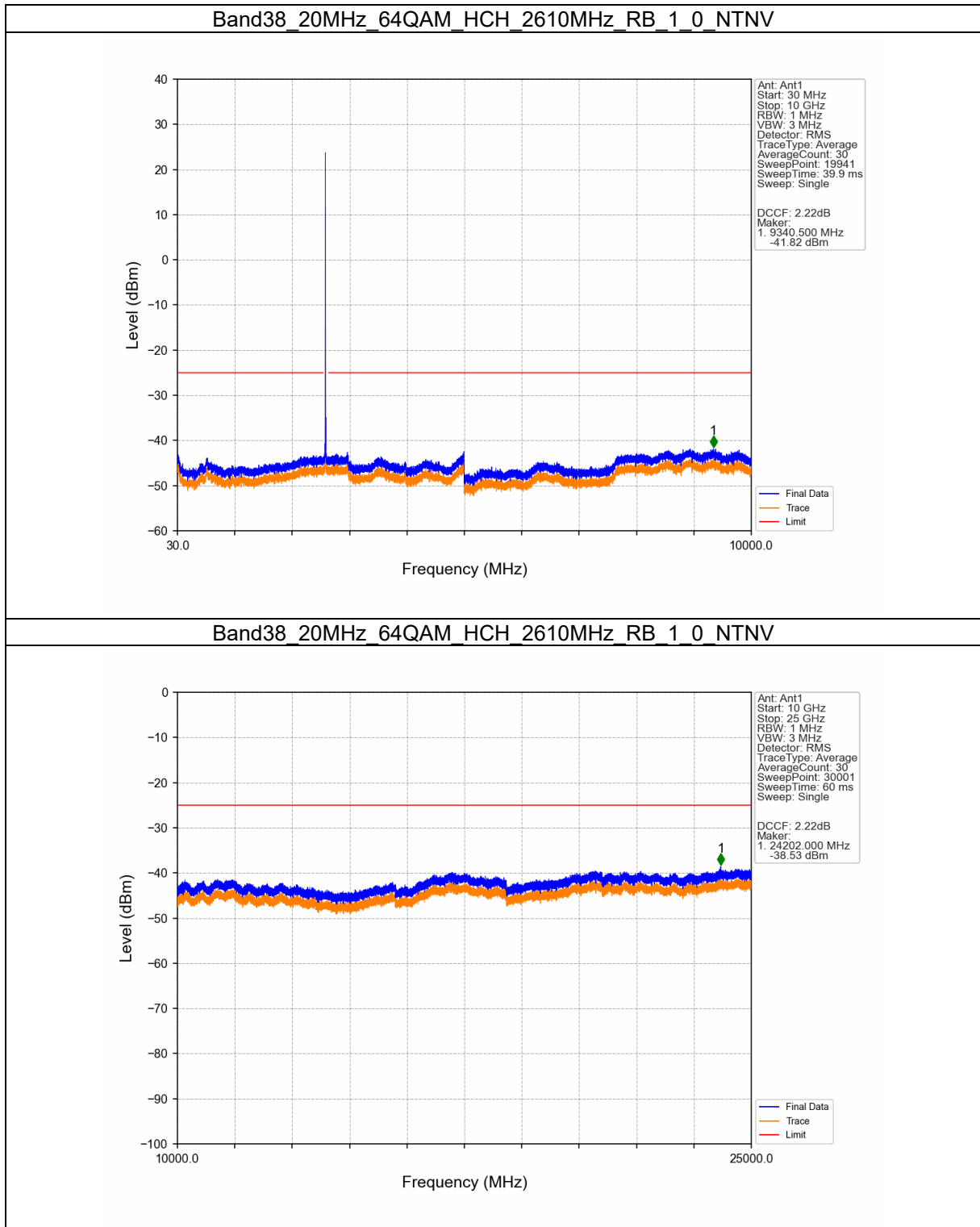


Test Report No.: RF260330B003





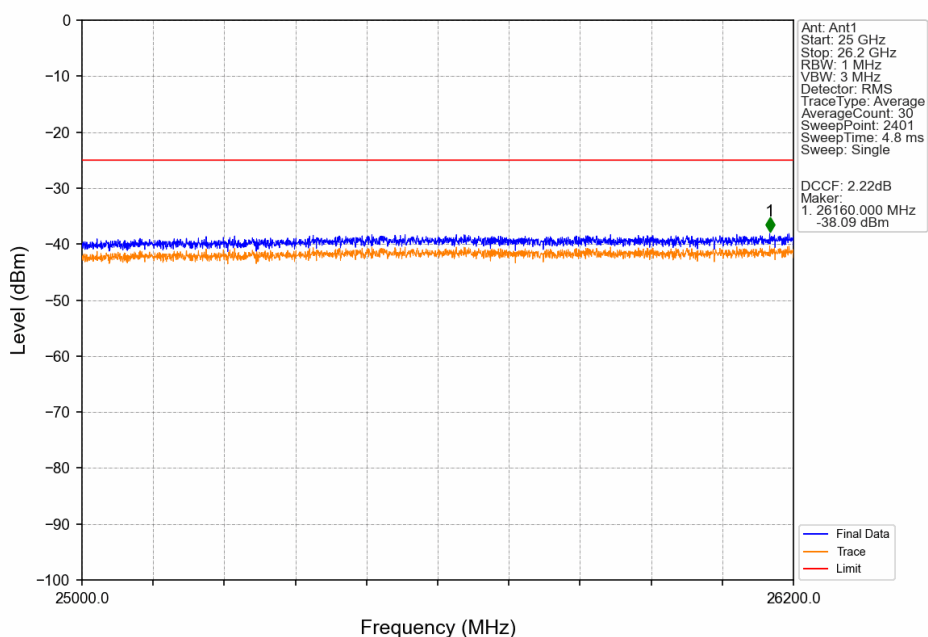
Test Report No.: RF260330B003



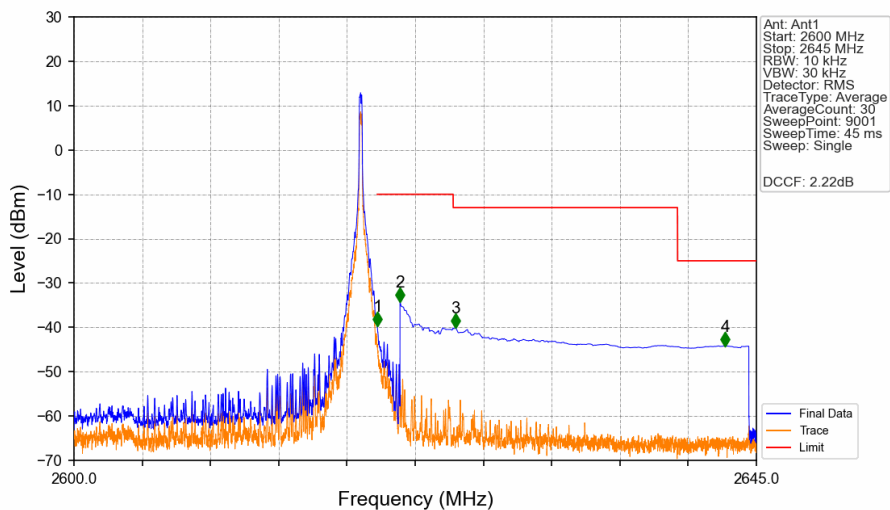


Test Report No.: RF260330B003

Band38_20MHz_64QAM_HCH_2610MHz_RB_1_0_NTNV



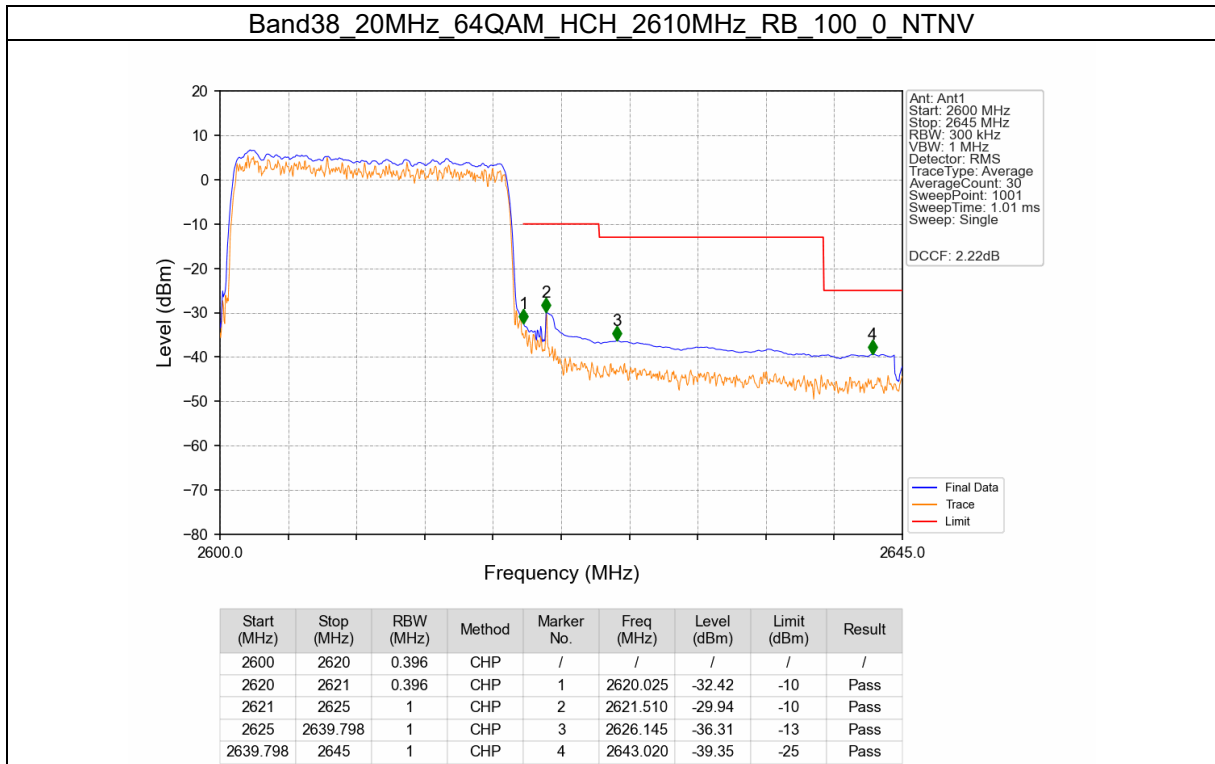
Band38_20MHz_64QAM_HCH_2610MHz_RB_1_99_NTNV



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	-39.68	-10	Pass
2621	2625	1	CHP	2	2621.500	-34.33	-10	Pass
2625	2639.798	1	CHP	3	2625.165	-40.03	-13	Pass
2639.798	2645	1	CHP	4	2642.950	-44.19	-25	Pass



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LTE BAND41

FREQUENCY STABILITY

Test Result

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	-11.700	-0.0047	-2.5 to 2.5	Pass
					4	0.300	0.0001	-2.5 to 2.5	Pass
					4.6	4.200	0.0017	-2.5 to 2.5	Pass
				5	4	2.800	0.0011	-2.5 to 2.5	Pass
				15	4	-4.300	-0.0017	-2.5 to 2.5	Pass
				25	4	5.400	0.0022	-2.5 to 2.5	Pass
				35	4	3.500	0.0014	-2.5 to 2.5	Pass
	2593	25	0	20	3.4	4.100	0.0016	-2.5 to 2.5	Pass
					4	-0.300	-0.0001	-2.5 to 2.5	Pass
					4.6	9.200	0.0035	-2.5 to 2.5	Pass
				5	4	-4.400	-0.0017	-2.5 to 2.5	Pass
				15	4	1.500	0.0006	-2.5 to 2.5	Pass
				25	4	3.000	0.0012	-2.5 to 2.5	Pass
				35	4	4.100	0.0016	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.4	-2.100	-0.0008	-2.5 to 2.5	Pass
					4	-3.400	-0.0013	-2.5 to 2.5	Pass
					4.6	-0.200	-0.0001	-2.5 to 2.5	Pass
				5	4	0.300	0.0001	-2.5 to 2.5	Pass
				15	4	-5.400	-0.0020	-2.5 to 2.5	Pass
				25	4	0.600	0.0002	-2.5 to 2.5	Pass
				35	4	0.000	0.0000	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.4	4.100	0.0016	-2.5 to 2.5	Pass
					4	3.100	0.0012	-2.5 to 2.5	Pass
					4.6	4.300	0.0017	-2.5 to 2.5	Pass
				5	4	5.700	0.0023	-2.5 to 2.5	Pass
				15	4	4.800	0.0019	-2.5 to 2.5	Pass
				25	4	0.400	0.0002	-2.5 to 2.5	Pass
				35	4	-2.800	-0.0011	-2.5 to 2.5	Pass
	2593	25	0	20	3.4	1.600	0.0006	-2.5 to 2.5	Pass
					4	-0.900	-0.0003	-2.5 to 2.5	Pass
					4.6	2.300	0.0009	-2.5 to 2.5	Pass
				5	4	4.200	0.0016	-2.5 to 2.5	Pass
				15	4	2.000	0.0008	-2.5 to 2.5	Pass
				25	4	-0.100	0.0000	-2.5 to 2.5	Pass
				35	4	3.000	0.0012	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.4	1.900	0.0007	-2.5 to 2.5	Pass
					4	0.500	0.0002	-2.5 to 2.5	Pass
					4.6	1.000	0.0004	-2.5 to 2.5	Pass
				5	4	1.400	0.0005	-2.5 to 2.5	Pass



Test Report No.: RF260330B003

64QAM	2498.5	25	0	15	4	1.600	0.0006	-2.5 to 2.5	Pass
				25	4	0.800	0.0003	-2.5 to 2.5	Pass
				35	4	-1.600	-0.0006	-2.5 to 2.5	Pass
				20	3.4	-10.700	-0.0043	-2.5 to 2.5	Pass
					4	-35.600	-0.0142	-2.5 to 2.5	Pass
					4.6	-19.500	-0.0078	-2.5 to 2.5	Pass
				5	4	-17.800	-0.0071	-2.5 to 2.5	Pass
				15	4	-7.100	-0.0028	-2.5 to 2.5	Pass
				25	4	-25.500	-0.0102	-2.5 to 2.5	Pass
				35	4	-46.000	-0.0184	-2.5 to 2.5	Pass
	2593	25	0	20	3.4	-29.900	-0.0115	-2.5 to 2.5	Pass
					4	18.600	0.0072	-2.5 to 2.5	Pass
					4.6	0.500	0.0002	-2.5 to 2.5	Pass
				5	4	26.600	0.0103	-2.5 to 2.5	Pass
				15	4	10.300	0.0040	-2.5 to 2.5	Pass
				25	4	-27.100	-0.0105	-2.5 to 2.5	Pass
				35	4	-10.900	-0.0042	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.4	33.600	0.0125	-2.5 to 2.5	Pass
					4	-51.700	-0.0192	-2.5 to 2.5	Pass
					4.6	-13.000	-0.0048	-2.5 to 2.5	Pass
				5	4	12.000	0.0045	-2.5 to 2.5	Pass
				15	4	-51.900	-0.0193	-2.5 to 2.5	Pass
				25	4	6.100	0.0023	-2.5 to 2.5	Pass
				35	4	16.200	0.0060	-2.5 to 2.5	Pass

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	-4.900	-0.0020	-2.5 to 2.5	Pass
					4	-3.600	-0.0014	-2.5 to 2.5	Pass
					4.6	-0.900	-0.0004	-2.5 to 2.5	Pass
				5	4	0.200	0.0001	-2.5 to 2.5	Pass
				15	4	0.100	0.0000	-2.5 to 2.5	Pass
				25	4	-3.700	-0.0015	-2.5 to 2.5	Pass
				35	4	-1.600	-0.0006	-2.5 to 2.5	Pass
	2593	50	0	20	3.4	2.700	0.0010	-2.5 to 2.5	Pass
					4	2.700	0.0010	-2.5 to 2.5	Pass
					4.6	-0.900	-0.0003	-2.5 to 2.5	Pass
				5	4	1.000	0.0004	-2.5 to 2.5	Pass
				15	4	1.400	0.0005	-2.5 to 2.5	Pass
				25	4	2.900	0.0011	-2.5 to 2.5	Pass
				35	4	4.000	0.0015	-2.5 to 2.5	Pass
	2685	50	0	20	3.4	-0.200	-0.0001	-2.5 to 2.5	Pass
					4	-0.600	-0.0002	-2.5 to 2.5	Pass
					4.6	-3.800	-0.0014	-2.5 to 2.5	Pass
				5	4	3.200	0.0012	-2.5 to 2.5	Pass
				15	4	-0.200	-0.0001	-2.5 to 2.5	Pass
				25	4	-3.200	-0.0012	-2.5 to 2.5	Pass
				35	4	2.900	0.0011	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	3.4	1.600	0.0006	-2.5 to 2.5	Pass
					4	-2.400	-0.0010	-2.5 to 2.5	Pass
					4.6	-2.800	-0.0011	-2.5 to 2.5	Pass



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	2593	50	0	5	4	2.700	0.0011	-2.5 to 2.5	Pass
				15	4	-3.600	-0.0014	-2.5 to 2.5	Pass
				25	4	-3.400	-0.0014	-2.5 to 2.5	Pass
				35	4	-0.400	-0.0002	-2.5 to 2.5	Pass
				20	3.4	-1.400	-0.0005	-2.5 to 2.5	Pass
					4	-2.300	-0.0009	-2.5 to 2.5	Pass
					4.6	-0.900	-0.0003	-2.5 to 2.5	Pass
				5	4	-3.500	-0.0013	-2.5 to 2.5	Pass
				15	4	1.400	0.0005	-2.5 to 2.5	Pass
				25	4	1.800	0.0007	-2.5 to 2.5	Pass
				35	4	-2.500	-0.0010	-2.5 to 2.5	Pass
	2685	50	0	20	3.4	-1.800	-0.0007	-2.5 to 2.5	Pass
					4	0.500	0.0002	-2.5 to 2.5	Pass
					4.6	-1.200	-0.0004	-2.5 to 2.5	Pass
				5	4	3.500	0.0013	-2.5 to 2.5	Pass
				15	4	-2.500	-0.0009	-2.5 to 2.5	Pass
				25	4	-4.300	-0.0016	-2.5 to 2.5	Pass
				35	4	-2.400	-0.0009	-2.5 to 2.5	Pass
	64QAM	2501	50	20	3.4	-3.000	-0.0012	-2.5 to 2.5	Pass
					4	15.300	0.0061	-2.5 to 2.5	Pass
					4.6	-17.200	-0.0069	-2.5 to 2.5	Pass
				5	4	-5.900	-0.0024	-2.5 to 2.5	Pass
				15	4	13.800	0.0055	-2.5 to 2.5	Pass
				25	4	-1.900	-0.0008	-2.5 to 2.5	Pass
				35	4	21.500	0.0086	-2.5 to 2.5	Pass
		2593	50	20	3.4	-18.500	-0.0071	-2.5 to 2.5	Pass
					4	14.000	0.0054	-2.5 to 2.5	Pass
					4.6	-2.800	-0.0011	-2.5 to 2.5	Pass
				5	4	17.700	0.0068	-2.5 to 2.5	Pass
				15	4	-33.600	-0.0130	-2.5 to 2.5	Pass
				25	4	0.600	0.0002	-2.5 to 2.5	Pass
				35	4	5.000	0.0019	-2.5 to 2.5	Pass
		2685	50	20	3.4	-25.800	-0.0096	-2.5 to 2.5	Pass
					4	-16.000	-0.0060	-2.5 to 2.5	Pass
					4.6	8.200	0.0031	-2.5 to 2.5	Pass
				5	4	23.600	0.0088	-2.5 to 2.5	Pass
				15	4	-24.200	-0.0090	-2.5 to 2.5	Pass
				25	4	-18.200	-0.0068	-2.5 to 2.5	Pass
				35	4	4.400	0.0016	-2.5 to 2.5	Pass

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	1.300	0.0005	-2.5 to 2.5	Pass
					4	0.500	0.0002	-2.5 to 2.5	Pass
					4.6	0.000	0.0000	-2.5 to 2.5	Pass
				5	4	-3.600	-0.0014	-2.5 to 2.5	Pass
				15	4	1.900	0.0008	-2.5 to 2.5	Pass
				25	4	1.400	0.0006	-2.5 to 2.5	Pass
				35	4	0.200	0.0001	-2.5 to 2.5	Pass
	2593	75	0	20	3.4	2.400	0.0009	-2.5 to 2.5	Pass
					4	1.900	0.0007	-2.5 to 2.5	Pass



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					4.6	1.200	0.0005	-2.5 to 2.5	Pass
				5	4	-1.700	-0.0007	-2.5 to 2.5	Pass
				15	4	1.800	0.0007	-2.5 to 2.5	Pass
				25	4	1.400	0.0005	-2.5 to 2.5	Pass
				35	4	2.500	0.0010	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.4	1.100	0.0004	-2.5 to 2.5	Pass
					4	-1.400	-0.0005	-2.5 to 2.5	Pass
					4.6	-0.700	-0.0003	-2.5 to 2.5	Pass
				5	4	-2.200	-0.0008	-2.5 to 2.5	Pass
				15	4	-2.400	-0.0009	-2.5 to 2.5	Pass
				25	4	-0.400	-0.0001	-2.5 to 2.5	Pass
				35	4	-3.400	-0.0013	-2.5 to 2.5	Pass
				20	3.4	-3.500	-0.0014	-2.5 to 2.5	Pass
					4	-4.500	-0.0018	-2.5 to 2.5	Pass
					4.6	0.300	0.0001	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	5	4	-1.500	-0.0006	-2.5 to 2.5	Pass
				15	4	-1.800	-0.0007	-2.5 to 2.5	Pass
				25	4	2.100	0.0008	-2.5 to 2.5	Pass
				35	4	1.400	0.0006	-2.5 to 2.5	Pass
	2593	75	0	20	3.4	-6.800	-0.0026	-2.5 to 2.5	Pass
					4	-5.800	-0.0022	-2.5 to 2.5	Pass
					4.6	0.500	0.0002	-2.5 to 2.5	Pass
				5	4	0.800	0.0003	-2.5 to 2.5	Pass
				15	4	3.400	0.0013	-2.5 to 2.5	Pass
				25	4	1.500	0.0006	-2.5 to 2.5	Pass
				35	4	1.300	0.0005	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.4	-8.300	-0.0031	-2.5 to 2.5	Pass
					4	-0.200	-0.0001	-2.5 to 2.5	Pass
					4.6	-2.200	-0.0008	-2.5 to 2.5	Pass
				5	4	-1.200	-0.0004	-2.5 to 2.5	Pass
				15	4	-7.700	-0.0029	-2.5 to 2.5	Pass
				25	4	-2.100	-0.0008	-2.5 to 2.5	Pass
				35	4	0.900	0.0003	-2.5 to 2.5	Pass
64QAM	2503.5	75	0	20	3.4	-22.800	-0.0091	-2.5 to 2.5	Pass
					4	-6.100	-0.0024	-2.5 to 2.5	Pass
					4.6	-13.800	-0.0055	-2.5 to 2.5	Pass
				5	4	6.600	0.0026	-2.5 to 2.5	Pass
				15	4	-10.900	-0.0044	-2.5 to 2.5	Pass
				25	4	-3.200	-0.0013	-2.5 to 2.5	Pass
				35	4	17.600	0.0070	-2.5 to 2.5	Pass
	2593	75	0	20	3.4	12.000	0.0046	-2.5 to 2.5	Pass
					4	9.600	0.0037	-2.5 to 2.5	Pass
					4.6	6.800	0.0026	-2.5 to 2.5	Pass
				5	4	3.100	0.0012	-2.5 to 2.5	Pass
				15	4	-7.000	-0.0027	-2.5 to 2.5	Pass
				25	4	11.400	0.0044	-2.5 to 2.5	Pass
				35	4	2.900	0.0011	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.4	-17.700	-0.0066	-2.5 to 2.5	Pass
					4	10.800	0.0040	-2.5 to 2.5	Pass
					4.6	9.500	0.0035	-2.5 to 2.5	Pass
				5	4	-13.800	-0.0051	-2.5 to 2.5	Pass
				15	4	-11.300	-0.0042	-2.5 to 2.5	Pass
				25	4	-7.000	-0.0026	-2.5 to 2.5	Pass

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				35	4	-15.400	-0.0057	-2.5 to 2.5	Pass
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20MHz

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.4	1.100	0.0004	-2.5 to 2.5	Pass
					4	2.200	0.0009	-2.5 to 2.5	Pass
					4.6	4.000	0.0016	-2.5 to 2.5	Pass
				5	4	4.200	0.0017	-2.5 to 2.5	Pass
				15	4	3.300	0.0013	-2.5 to 2.5	Pass
				25	4	2.100	0.0008	-2.5 to 2.5	Pass
				35	4	-0.100	0.0000	-2.5 to 2.5	Pass
	2593	100	0	20	3.4	4.700	0.0018	-2.5 to 2.5	Pass
					4	1.800	0.0007	-2.5 to 2.5	Pass
					4.6	6.400	0.0025	-2.5 to 2.5	Pass
				5	4	1.100	0.0004	-2.5 to 2.5	Pass
				15	4	-2.300	-0.0009	-2.5 to 2.5	Pass
				25	4	4.200	0.0016	-2.5 to 2.5	Pass
				35	4	1.400	0.0005	-2.5 to 2.5	Pass
	2680	100	0	20	3.4	-1.500	-0.0006	-2.5 to 2.5	Pass
					4	4.000	0.0015	-2.5 to 2.5	Pass
					4.6	3.400	0.0013	-2.5 to 2.5	Pass
				5	4	2.700	0.0010	-2.5 to 2.5	Pass
				15	4	-0.900	-0.0003	-2.5 to 2.5	Pass
				25	4	2.700	0.0010	-2.5 to 2.5	Pass
				35	4	-0.200	-0.0001	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.4	1.100	0.0004	-2.5 to 2.5	Pass
					4	1.200	0.0005	-2.5 to 2.5	Pass
					4.6	1.400	0.0006	-2.5 to 2.5	Pass
				5	4	3.700	0.0015	-2.5 to 2.5	Pass
				15	4	2.600	0.0010	-2.5 to 2.5	Pass
				25	4	3.700	0.0015	-2.5 to 2.5	Pass
				35	4	-0.600	-0.0002	-2.5 to 2.5	Pass
	2593	100	0	20	3.4	-7.500	-0.0029	-2.5 to 2.5	Pass
					4	-0.300	-0.0001	-2.5 to 2.5	Pass
					4.6	5.900	0.0023	-2.5 to 2.5	Pass
				5	4	1.200	0.0005	-2.5 to 2.5	Pass
				15	4	3.100	0.0012	-2.5 to 2.5	Pass
				25	4	-3.800	-0.0015	-2.5 to 2.5	Pass
				35	4	-1.100	-0.0004	-2.5 to 2.5	Pass
	2680	100	0	20	3.4	-0.200	-0.0001	-2.5 to 2.5	Pass
					4	1.700	0.0006	-2.5 to 2.5	Pass
					4.6	2.100	0.0008	-2.5 to 2.5	Pass
				5	4	0.800	0.0003	-2.5 to 2.5	Pass
				15	4	1.100	0.0004	-2.5 to 2.5	Pass
				25	4	1.800	0.0007	-2.5 to 2.5	Pass
				35	4	1.100	0.0004	-2.5 to 2.5	Pass
64QAM	2506	100	0	20	3.4	-9.400	-0.0038	-2.5 to 2.5	Pass
					4	-8.700	-0.0035	-2.5 to 2.5	Pass
					4.6	-9.400	-0.0038	-2.5 to 2.5	Pass
				5	4	0.900	0.0004	-2.5 to 2.5	Pass
				15	4	-4.300	-0.0017	-2.5 to 2.5	Pass

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				25	4	-9.000	-0.0036	-2.5 to 2.5	Pass
				35	4	-12.600	-0.0050	-2.5 to 2.5	Pass
	2593	100	0	20	3.4	-10.100	-0.0039	-2.5 to 2.5	Pass
					4	8.200	0.0032	-2.5 to 2.5	Pass
					4.6	-10.500	-0.0040	-2.5 to 2.5	Pass
				5	4	-7.500	-0.0029	-2.5 to 2.5	Pass
				15	4	1.400	0.0005	-2.5 to 2.5	Pass
				25	4	-13.600	-0.0052	-2.5 to 2.5	Pass
				35	4	-7.100	-0.0027	-2.5 to 2.5	Pass
	2680	100	0	20	3.4	20.800	0.0078	-2.5 to 2.5	Pass
					4	24.200	0.0090	-2.5 to 2.5	Pass
					4.6	1.600	0.0006	-2.5 to 2.5	Pass
				5	4	5.100	0.0019	-2.5 to 2.5	Pass
				15	4	-10.400	-0.0039	-2.5 to 2.5	Pass
				25	4	-8.000	-0.0030	-2.5 to 2.5	Pass
				35	4	2.100	0.0008	-2.5 to 2.5	Pass



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26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

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	4.524	/	Pass
		2593	25	0	4.520	/	Pass
		2687.5	25	0	4.526	/	Pass
	16QAM	2498.5	25	0	4.512	/	Pass
		2593	25	0	4.515	/	Pass
		2687.5	25	0	4.518	/	Pass
	64QAM	2498.5	25	0	4.525	/	Pass
		2593	25	0	4.522	/	Pass
		2687.5	25	0	4.523	/	Pass
10	QPSK	2501	50	0	9.002	/	Pass
		2593	50	0	9.000	/	Pass
		2685	50	0	9.031	/	Pass
	16QAM	2501	50	0	8.999	/	Pass
		2593	50	0	8.980	/	Pass
		2685	50	0	9.003	/	Pass
	64QAM	2501	50	0	9.025	/	Pass
		2593	50	0	9.031	/	Pass
		2685	50	0	8.991	/	Pass
15	QPSK	2503.5	75	0	13.519	/	Pass
		2593	75	0	13.446	/	Pass
		2682.5	75	0	13.522	/	Pass
	16QAM	2503.5	75	0	13.499	/	Pass
		2593	75	0	13.476	/	Pass
		2682.5	75	0	13.489	/	Pass
	64QAM	2503.5	75	0	13.470	/	Pass
		2593	75	0	13.482	/	Pass
		2682.5	75	0	13.482	/	Pass
20	QPSK	2506	100	0	18.046	/	Pass
		2593	100	0	18.022	/	Pass
		2680	100	0	18.030	/	Pass
	16QAM	2506	100	0	18.012	/	Pass
		2593	100	0	18.017	/	Pass
		2680	100	0	18.065	/	Pass
	64QAM	2506	100	0	18.083	/	Pass
		2593	100	0	18.029	/	Pass
		2680	100	0	17.991	/	Pass

XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.309	/	Pass

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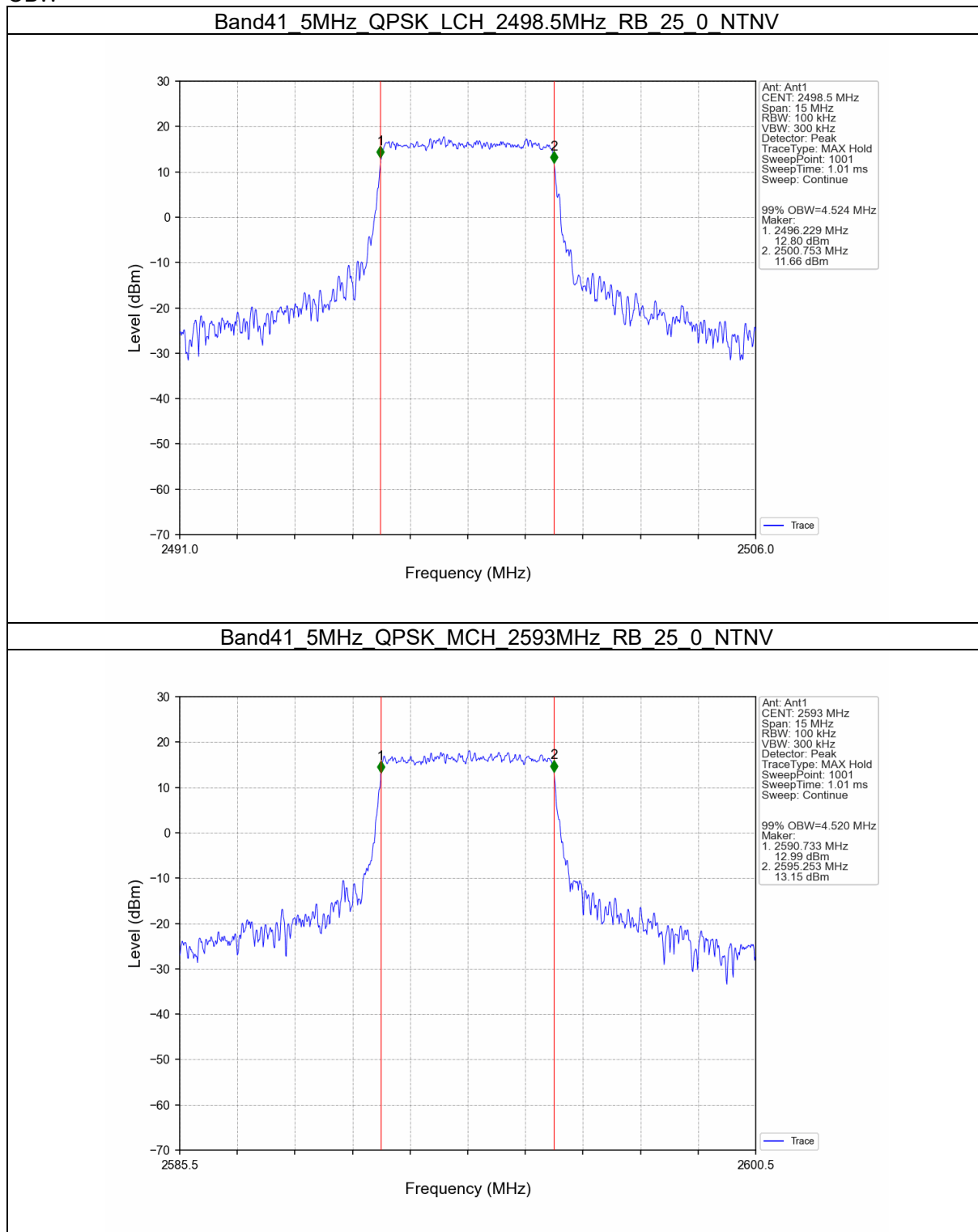
		2593	25	0	5.248	/	Pass
		2687.5	25	0	5.381	/	Pass
	16QAM	2498.5	25	0	5.340	/	Pass
		2593	25	0	5.546	/	Pass
		2687.5	25	0	5.167	/	Pass
	64QAM	2498.5	25	0	5.197	/	Pass
		2593	25	0	5.491	/	Pass
		2687.5	25	0	5.335	/	Pass
10	QPSK	2501	50	0	9.915	/	Pass
		2593	50	0	9.936	/	Pass
		2685	50	0	9.990	/	Pass
	16QAM	2501	50	0	9.904	/	Pass
		2593	50	0	10.357	/	Pass
		2685	50	0	9.895	/	Pass
	64QAM	2501	50	0	9.956	/	Pass
		2593	50	0	10.348	/	Pass
		2685	50	0	10.058	/	Pass
15	QPSK	2503.5	75	0	14.738	/	Pass
		2593	75	0	15.396	/	Pass
		2682.5	75	0	14.758	/	Pass
	16QAM	2503.5	75	0	14.631	/	Pass
		2593	75	0	15.067	/	Pass
		2682.5	75	0	14.780	/	Pass
	64QAM	2503.5	75	0	14.878	/	Pass
		2593	75	0	14.603	/	Pass
		2682.5	75	0	15.205	/	Pass
20	QPSK	2506	100	0	21.280	/	Pass
		2593	100	0	19.568	/	Pass
		2680	100	0	19.582	/	Pass
	16QAM	2506	100	0	19.484	/	Pass
		2593	100	0	19.882	/	Pass
		2680	100	0	20.105	/	Pass
	64QAM	2506	100	0	19.752	/	Pass
		2593	100	0	19.729	/	Pass
		2680	100	0	20.453	/	Pass



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Test Graph

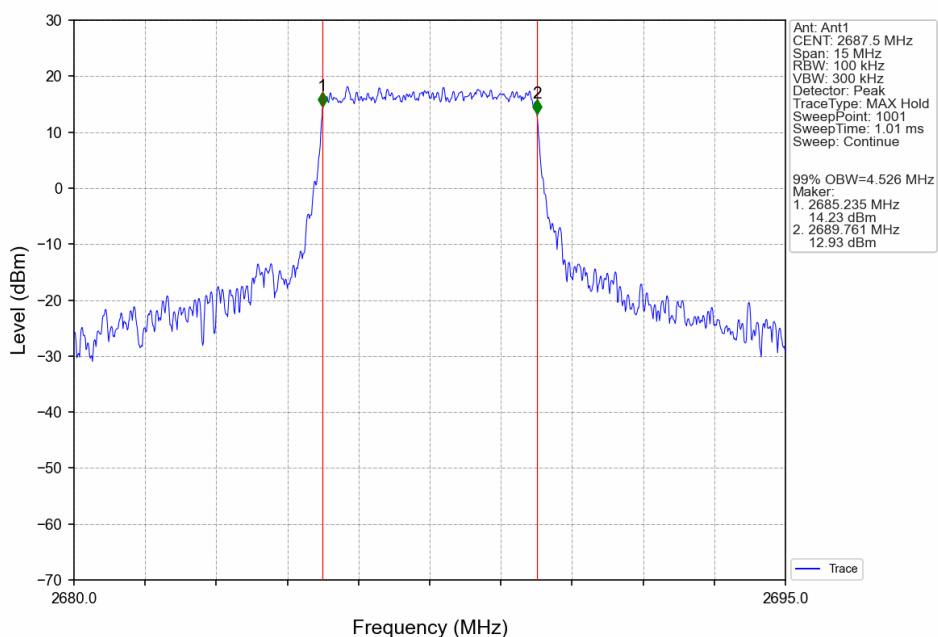
OBW



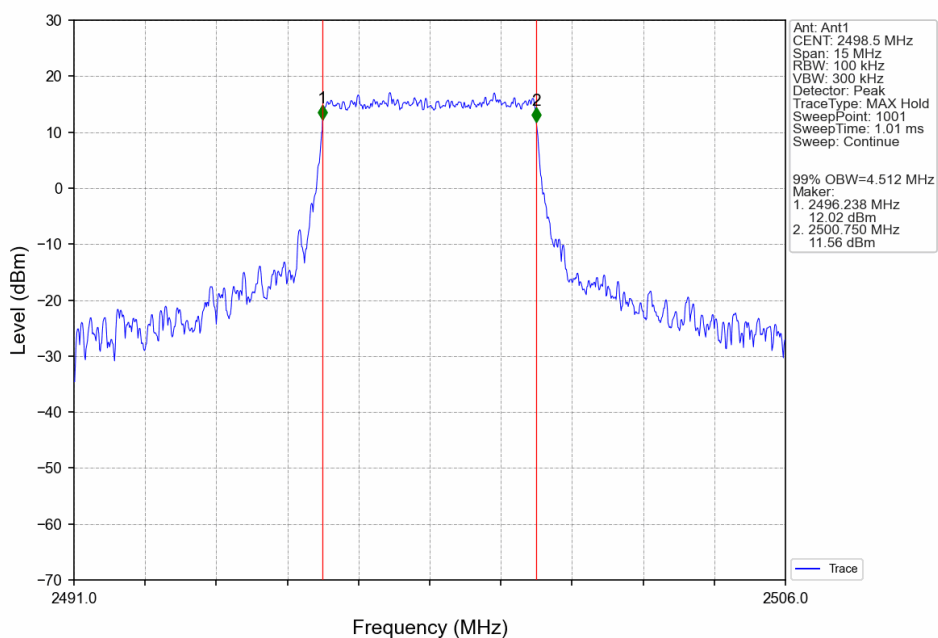


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Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



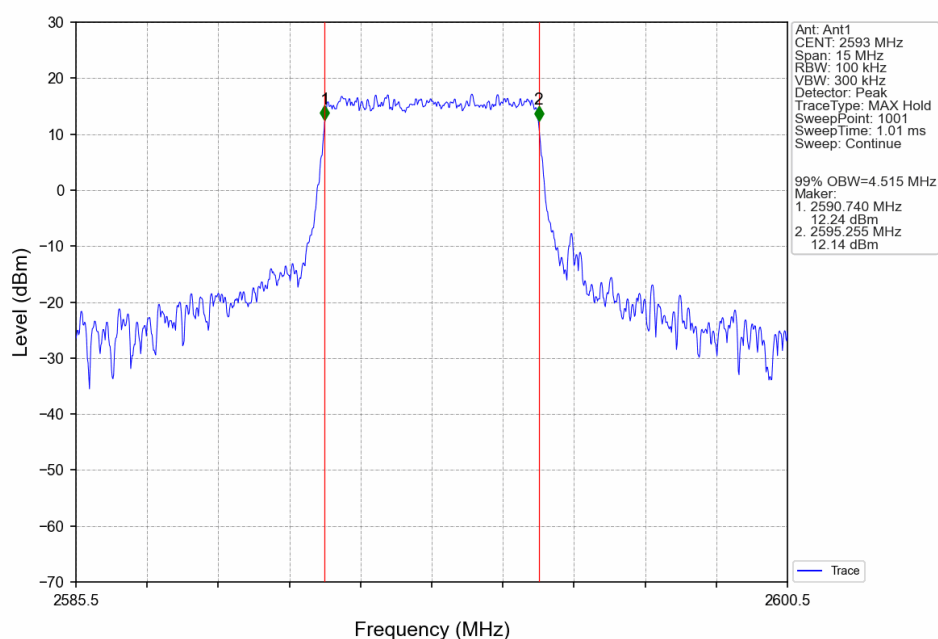
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



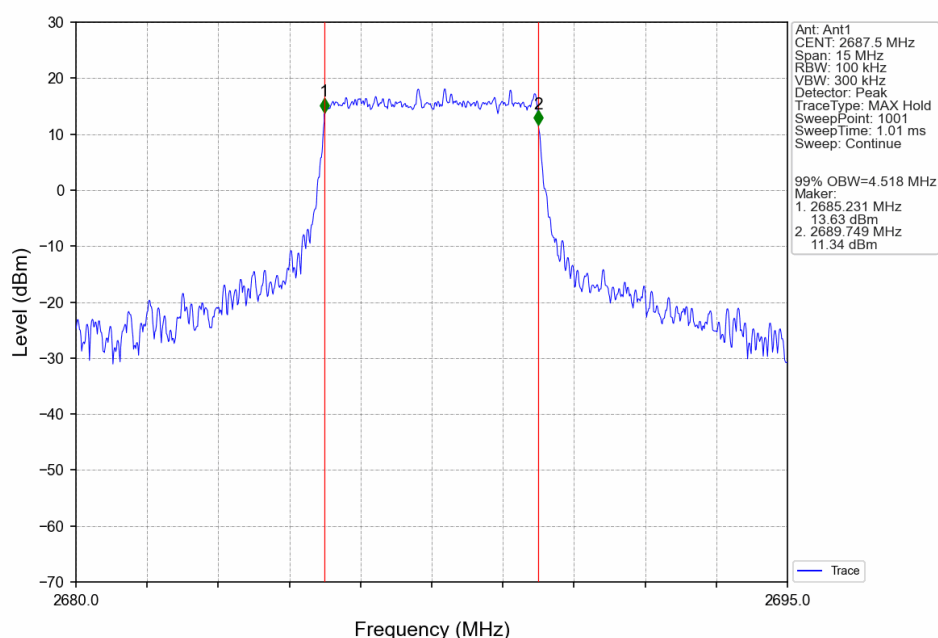


Test Report No.: RF260330B003

Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV

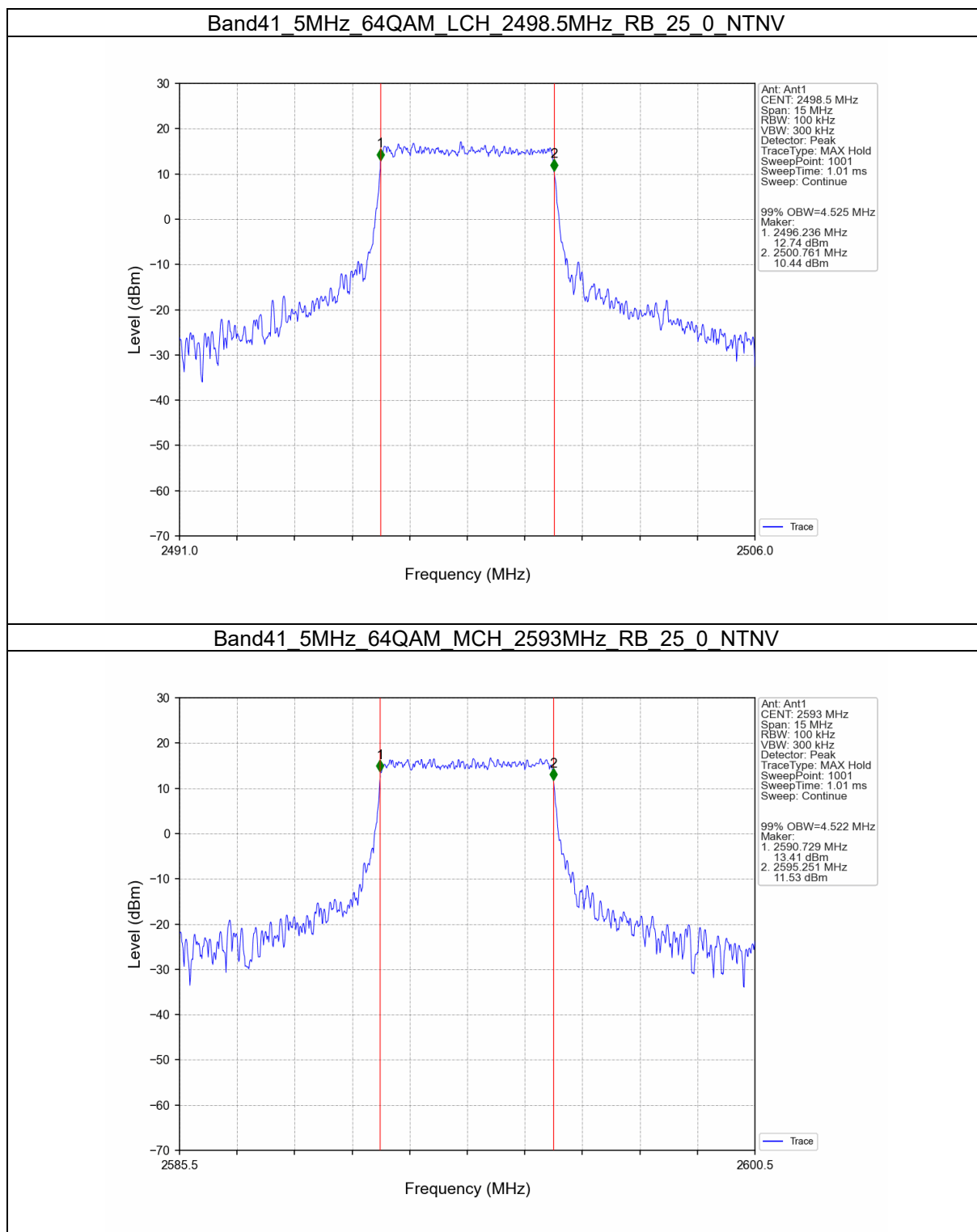


Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



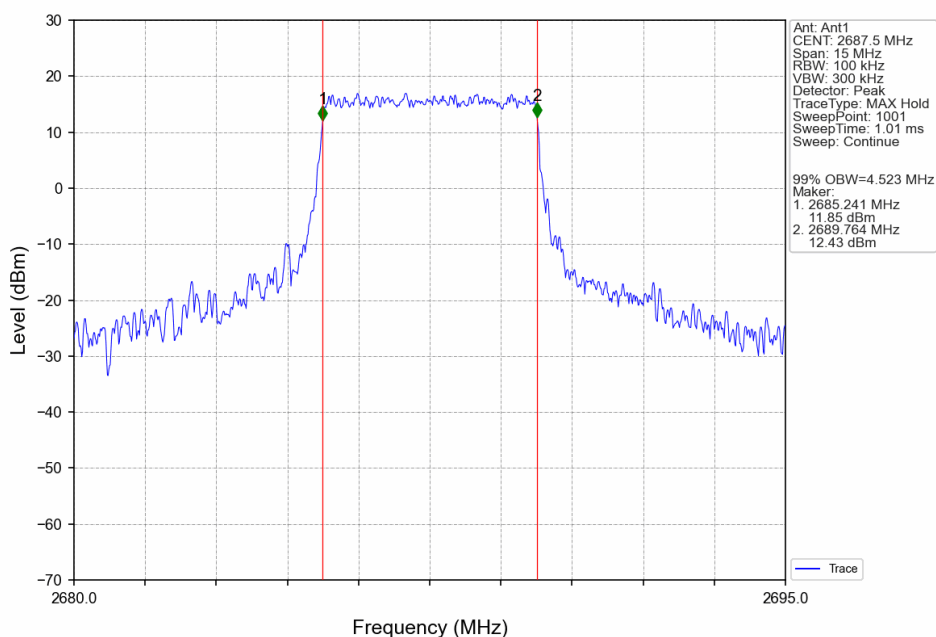


Test Report No.: RF260330B003

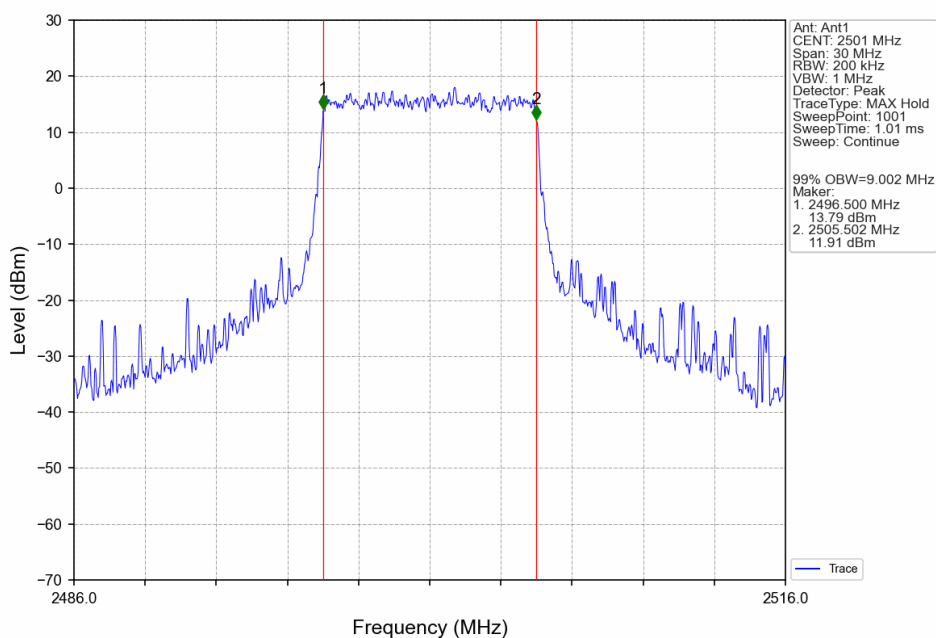


Test Report No.: RF260330B003

Band41_5MHz_64QAM_HCH_2687.5MHz_RB_25_0_NTNV



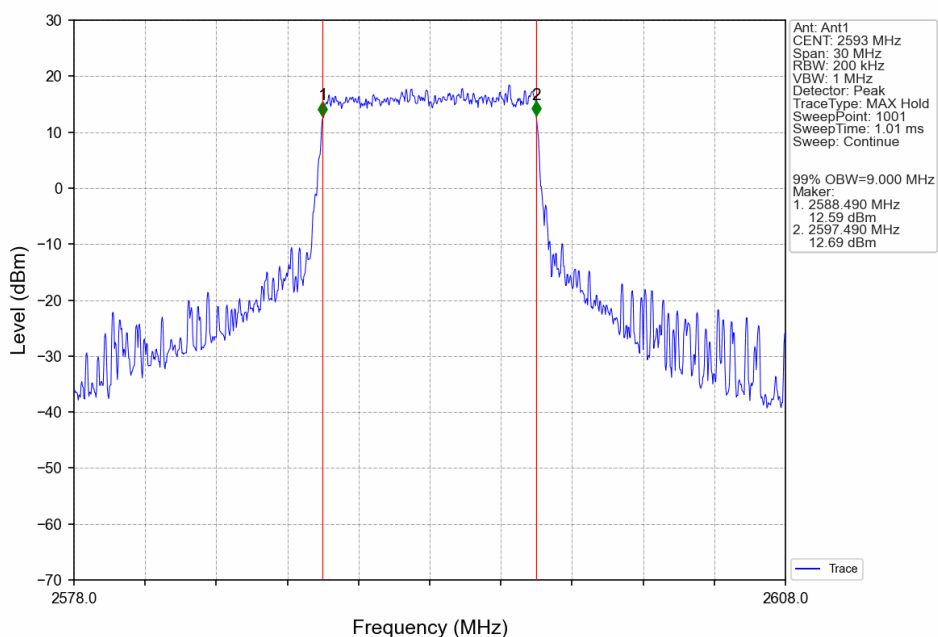
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



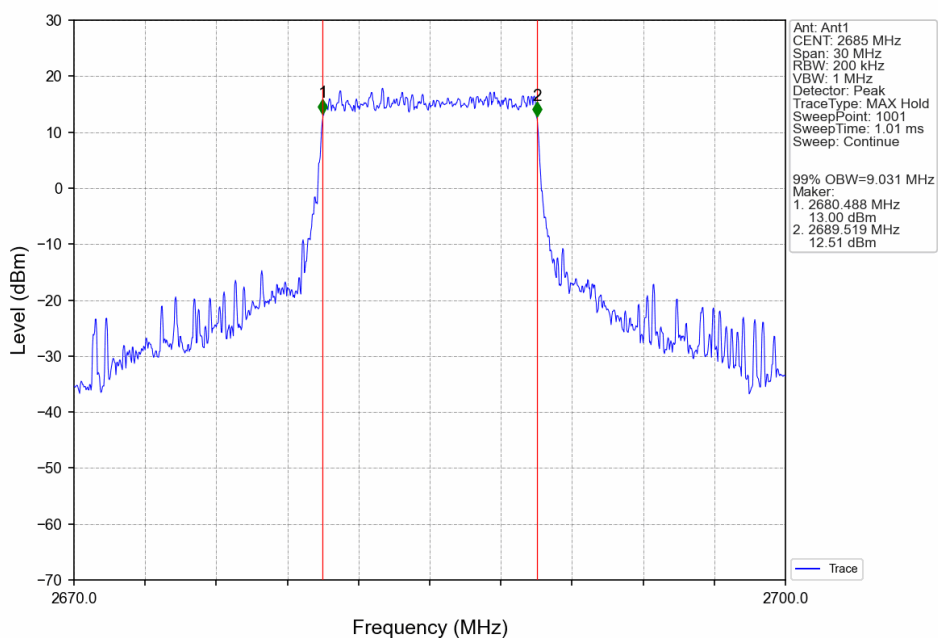


Test Report No.: RF260330B003

Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV

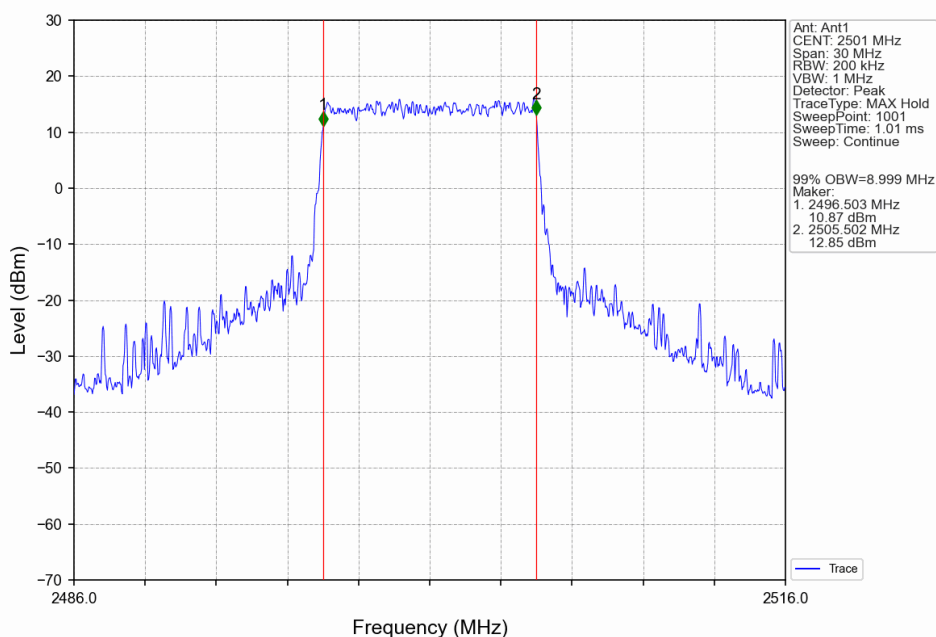


Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV

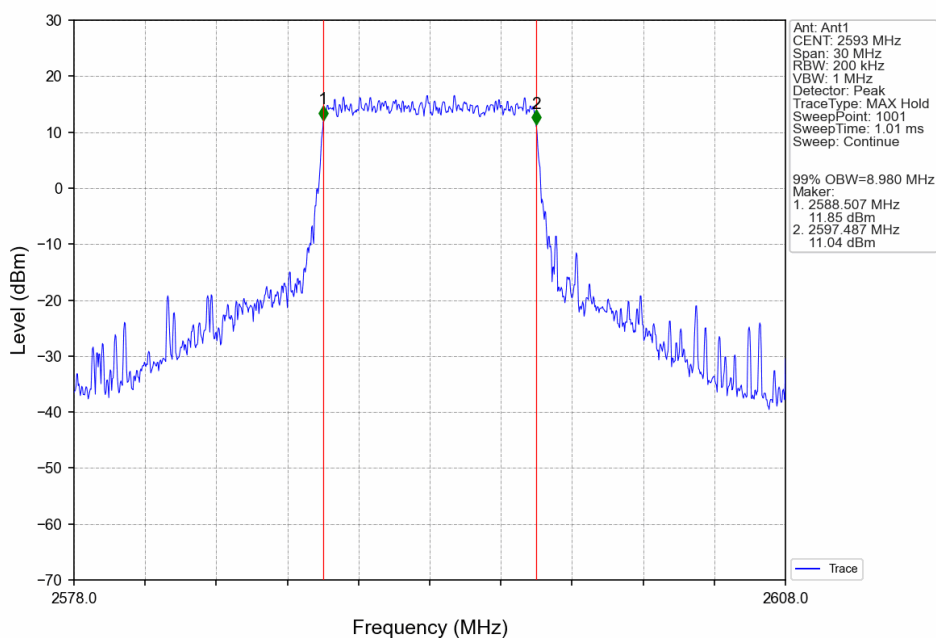


Test Report No.: RF260330B003

Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



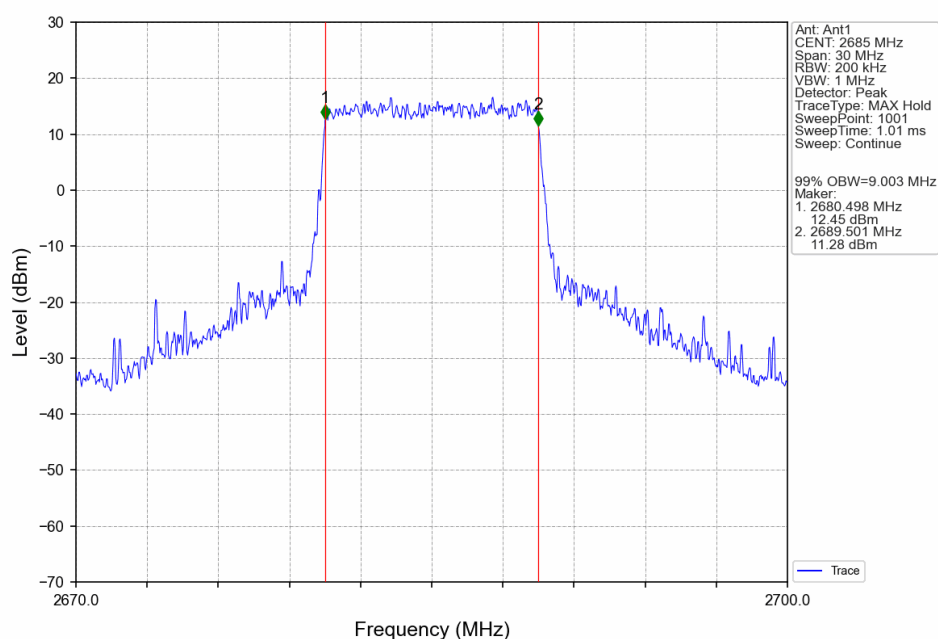
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



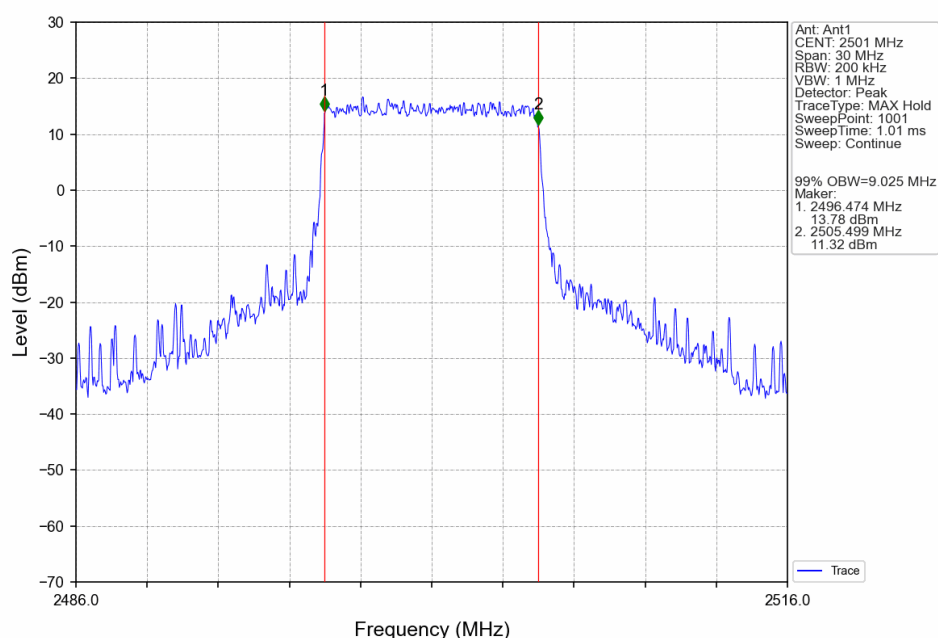


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Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



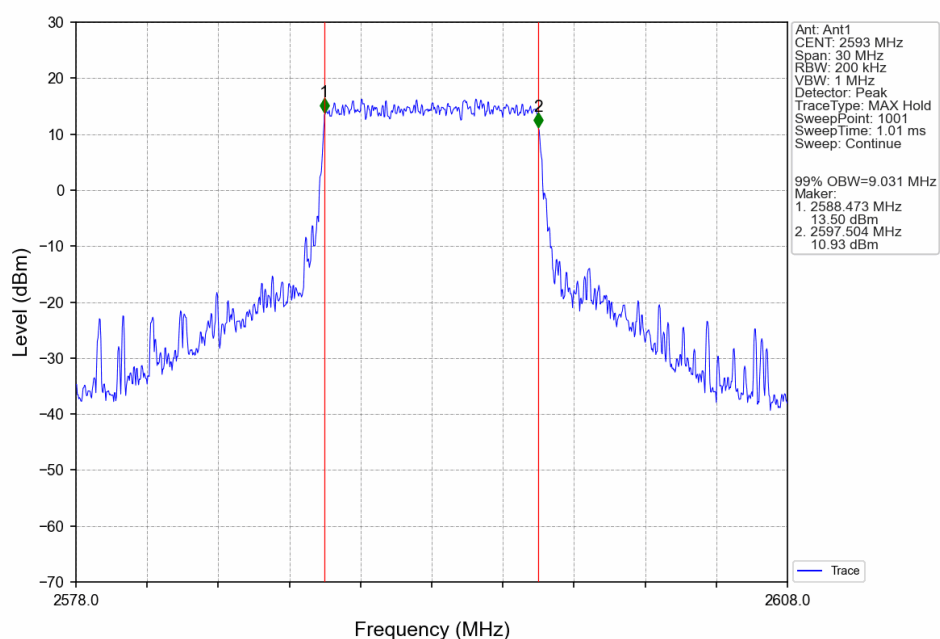
Band41_10MHz_64QAM_LCH_2501MHz_RB_50_0_NTNV



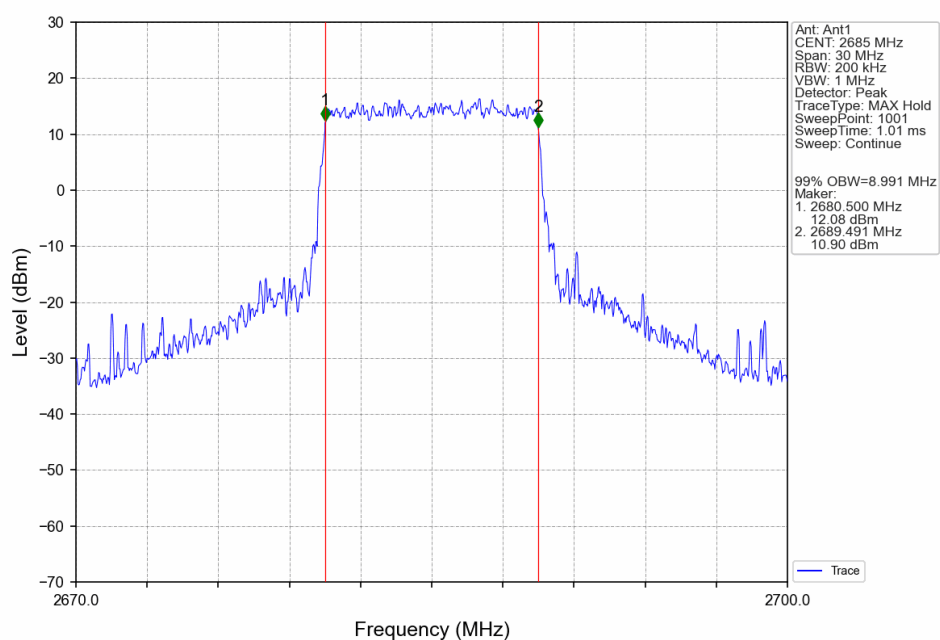


Test Report No.: RF260330B003

Band41_10MHz_64QAM_MCH_2593MHz_RB_50_0_NTNV

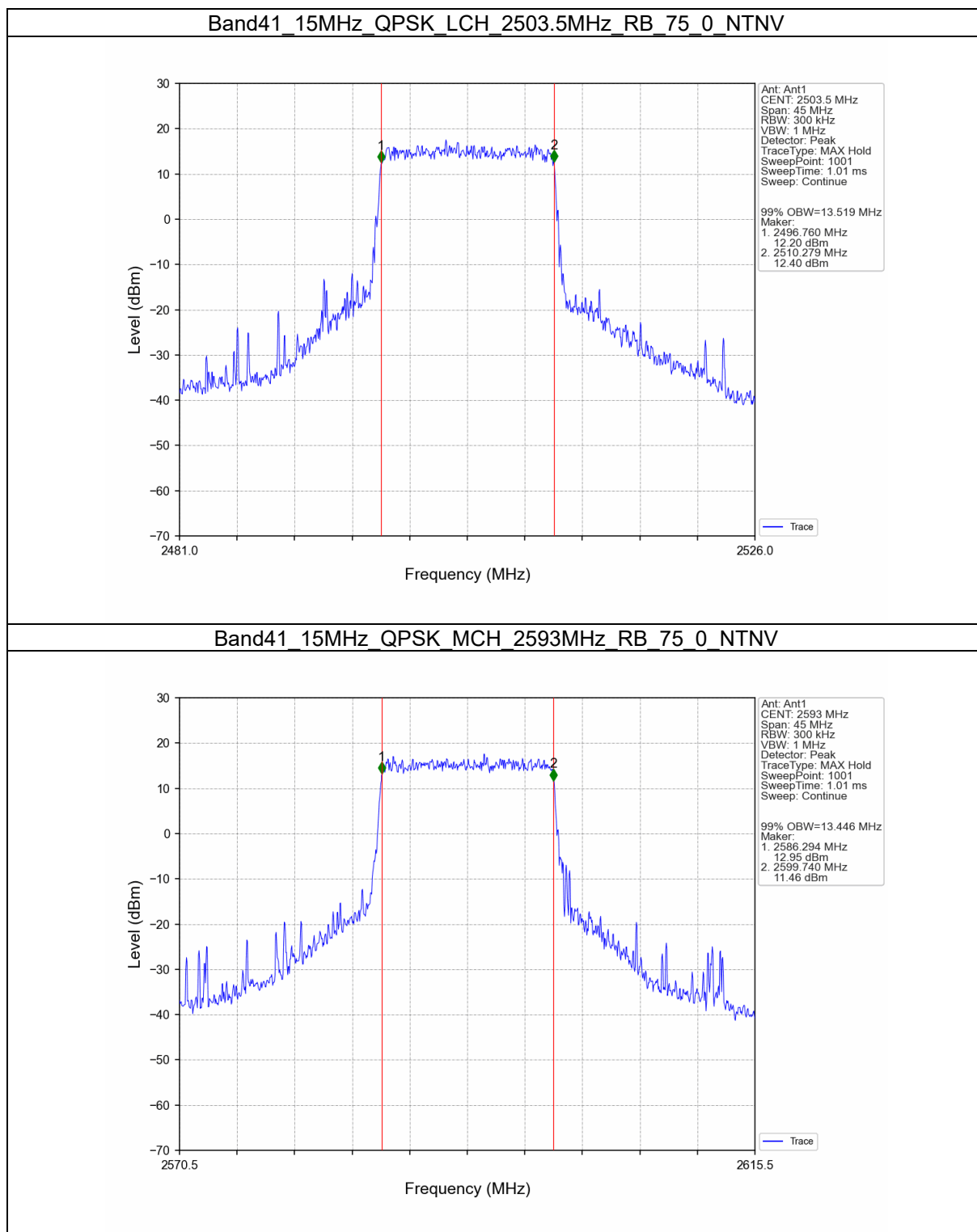


Band41_10MHz_64QAM_HCH_2685MHz_RB_50_0_NTNV





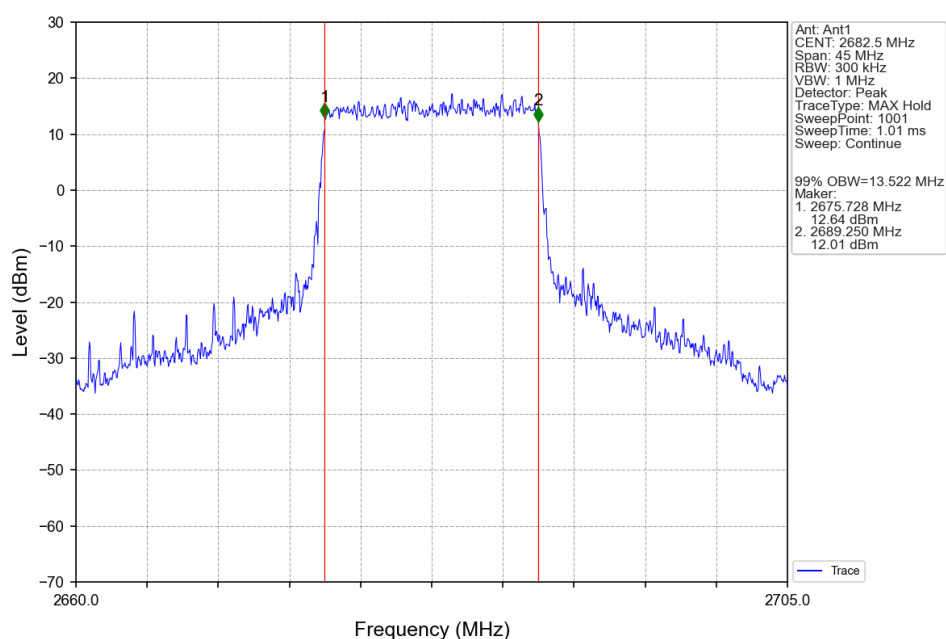
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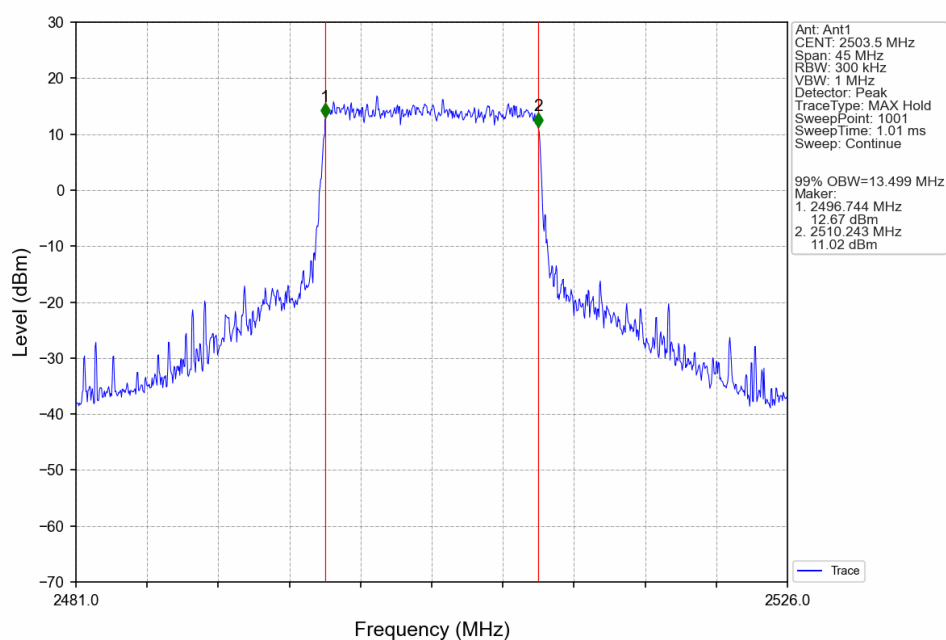


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Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



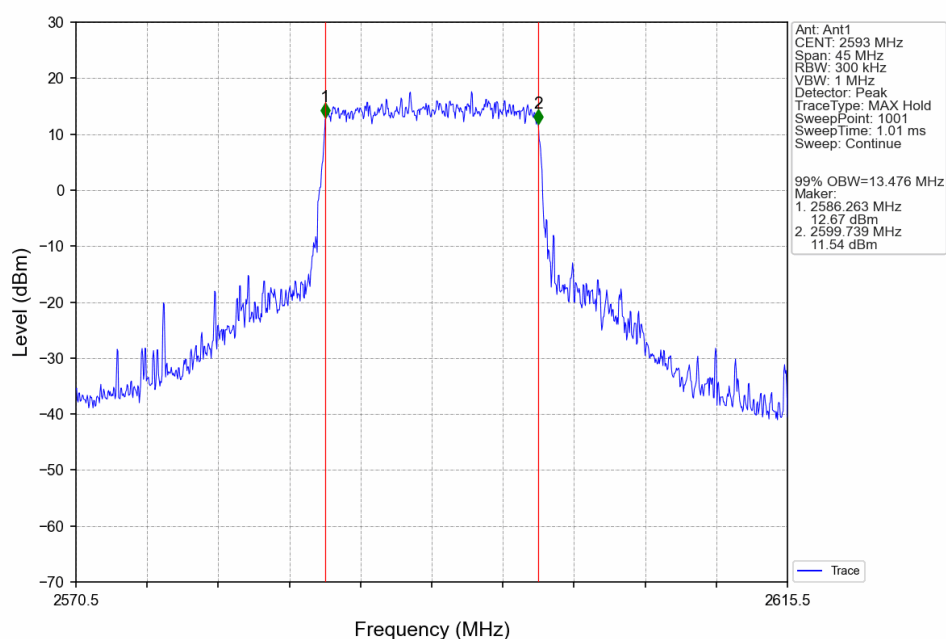
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



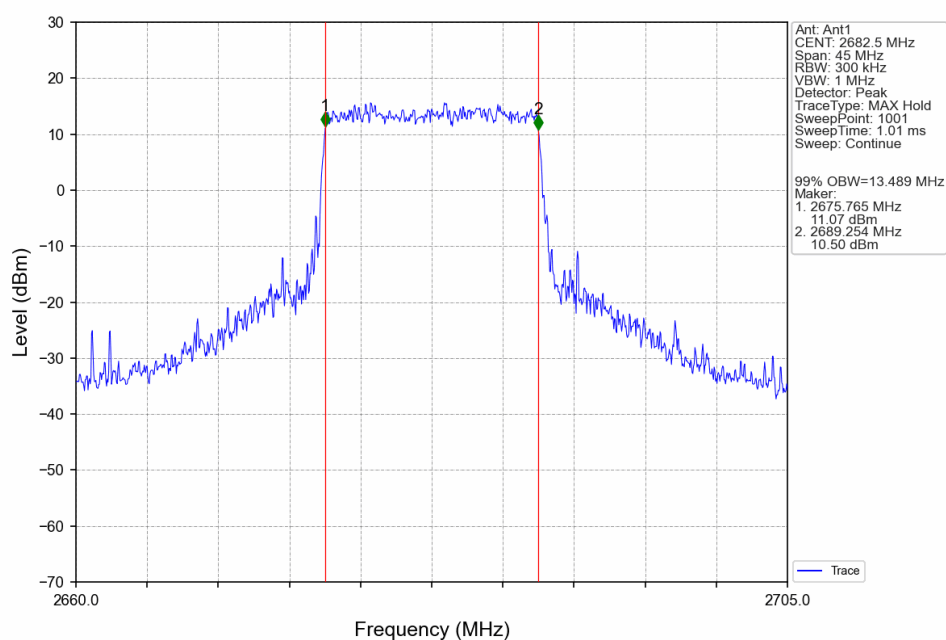


Test Report No.: RF260330B003

Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



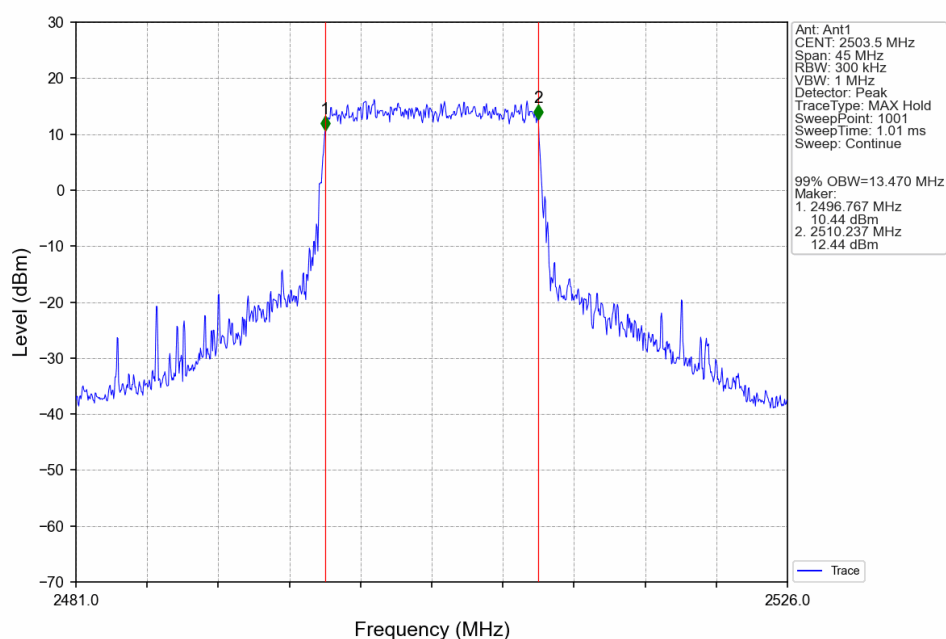
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



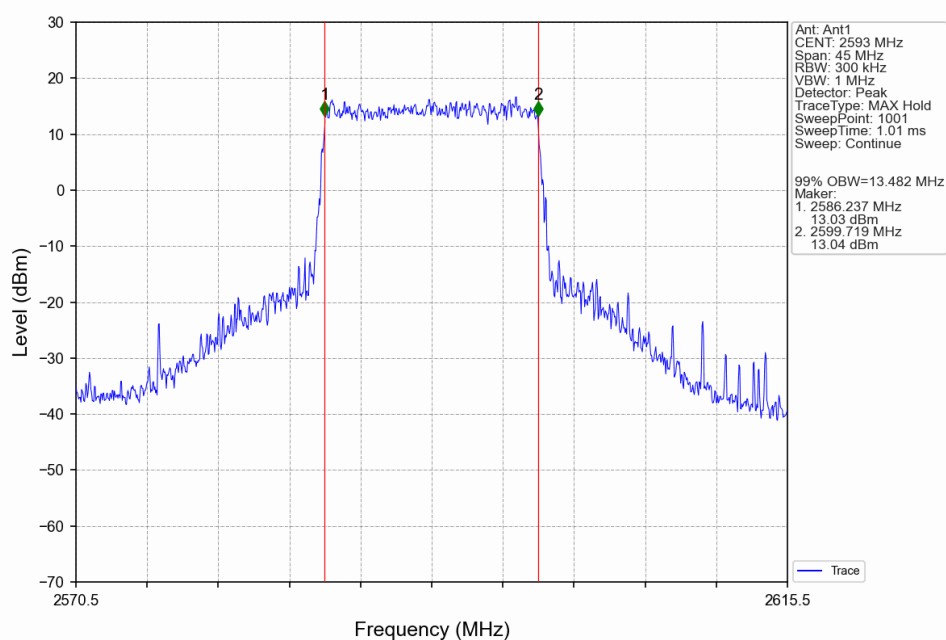


Test Report No.: RF260330B003

Band41_15MHz_64QAM_LCH_2503.5MHz_RB_75_0_NTNV

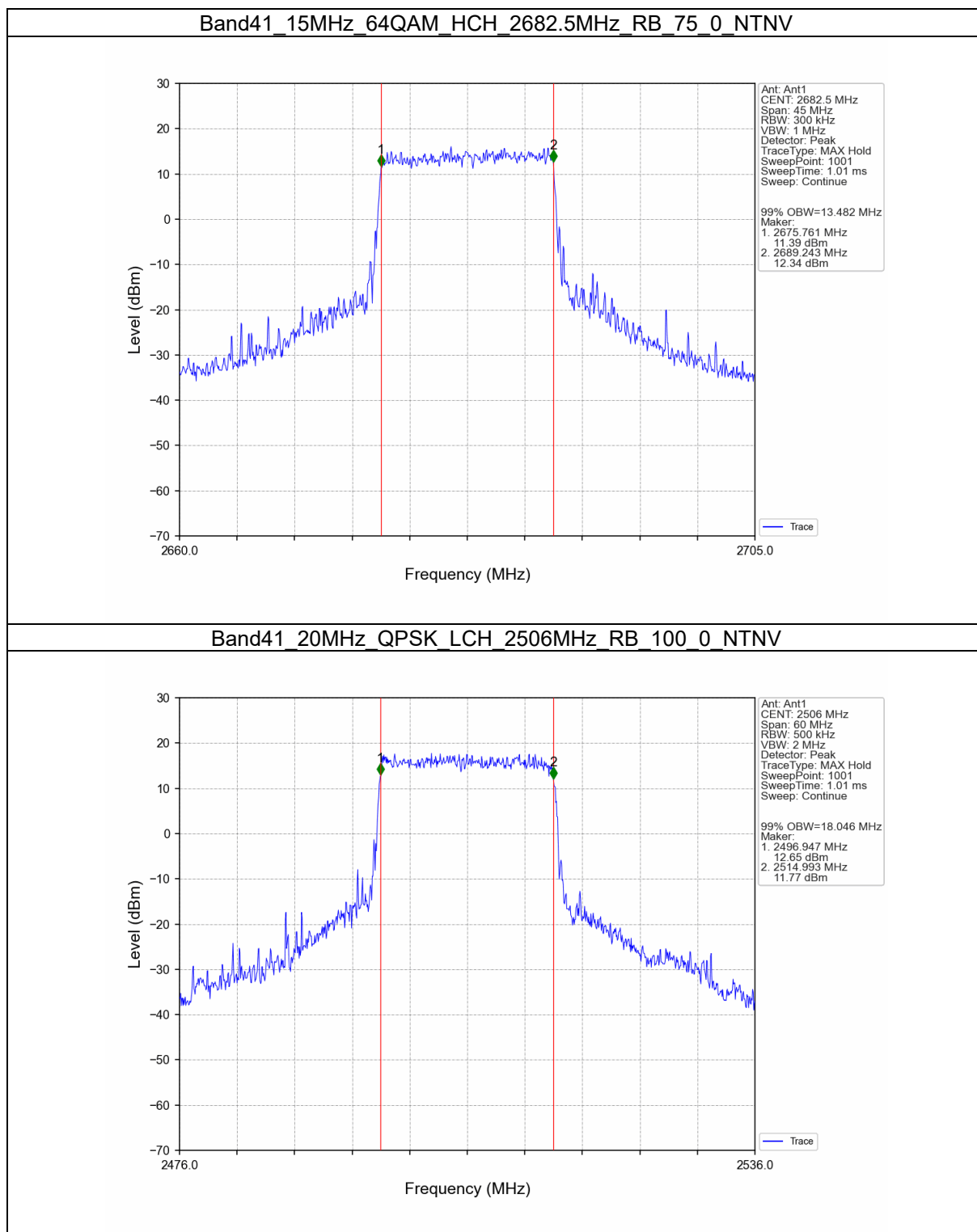


Band41_15MHz_64QAM_MCH_2593MHz_RB_75_0_NTNV





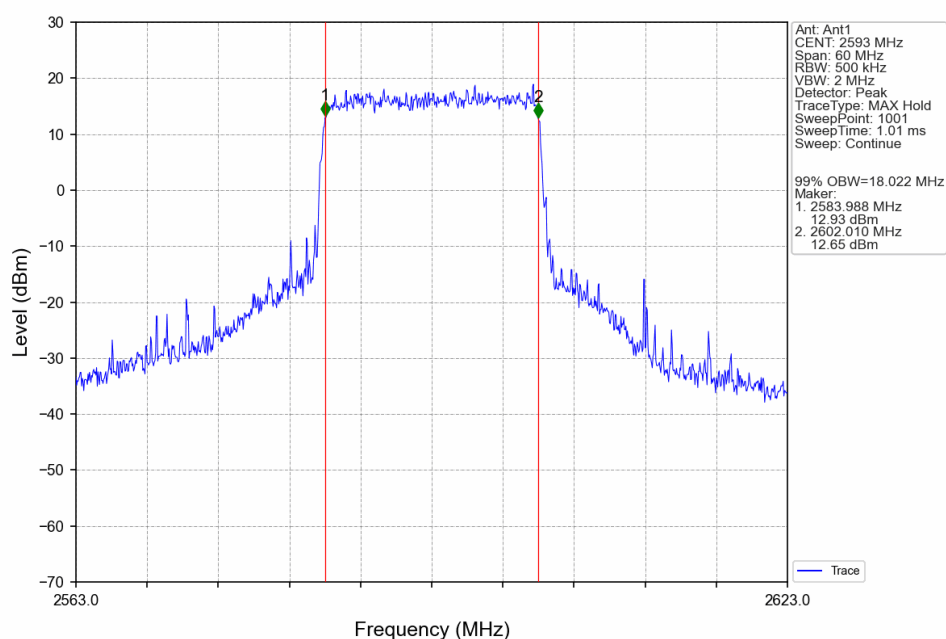
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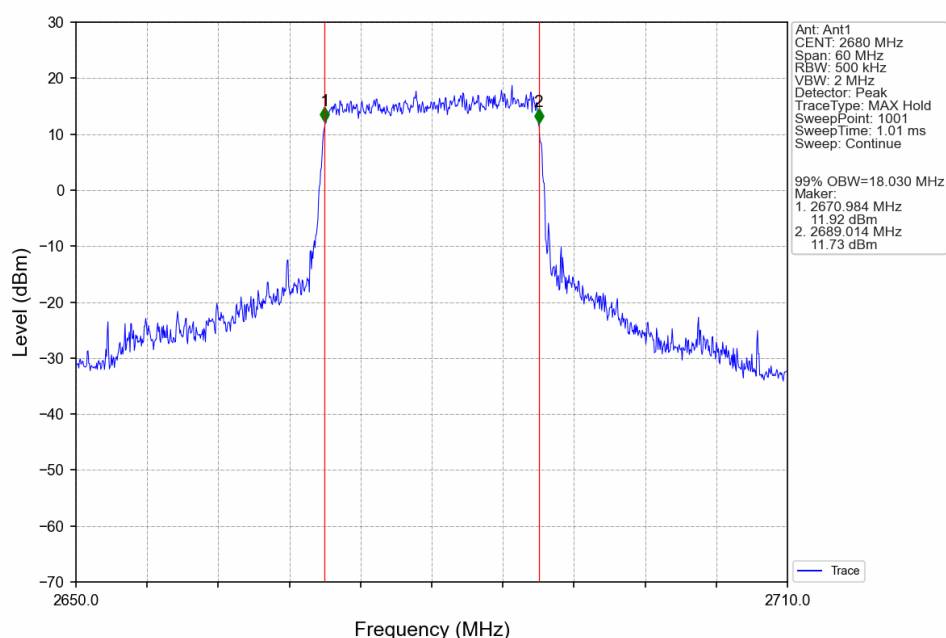


Test Report No.: RF260330B003

Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



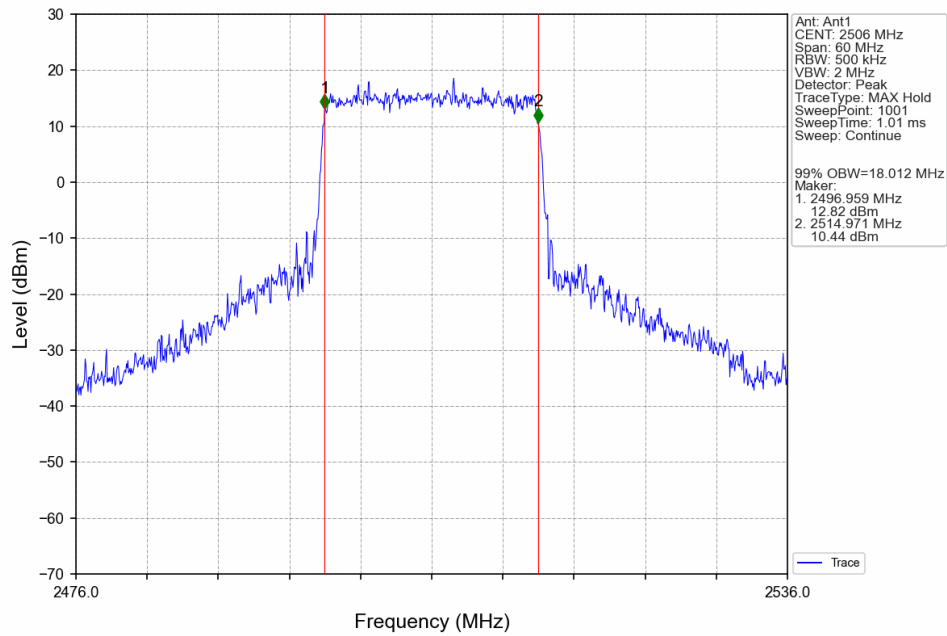
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



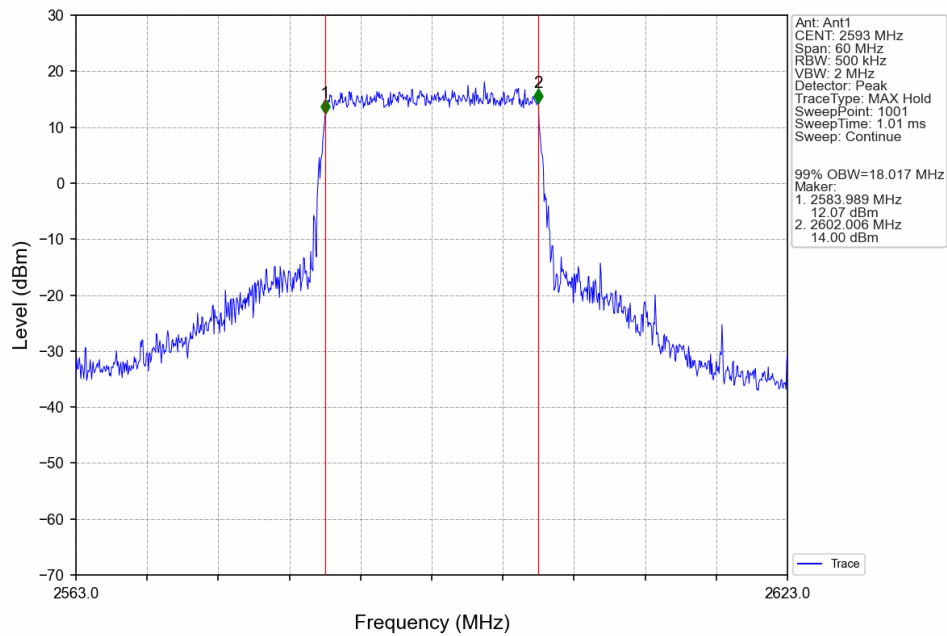


Test Report No.: RF260330B003

Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



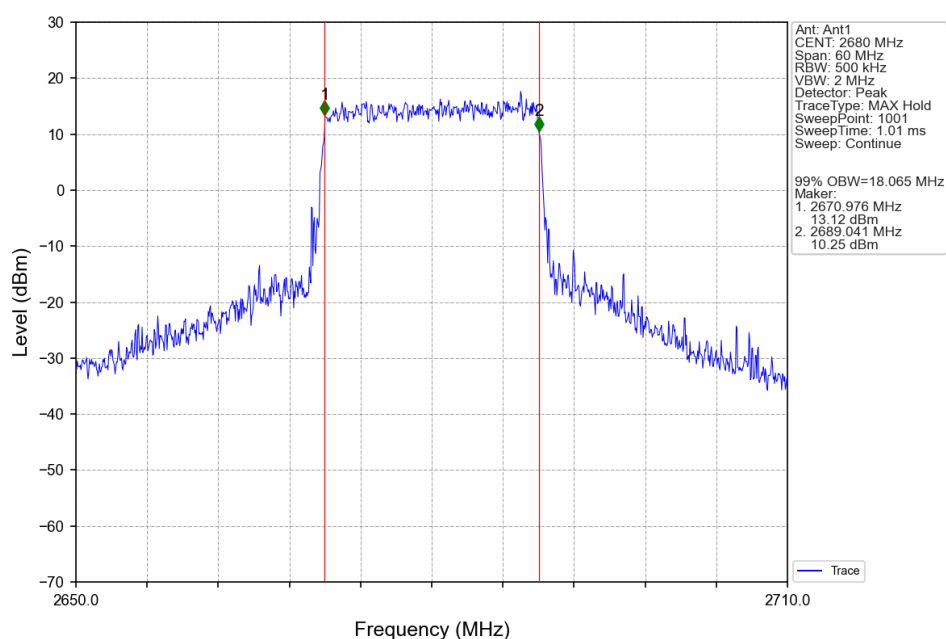
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



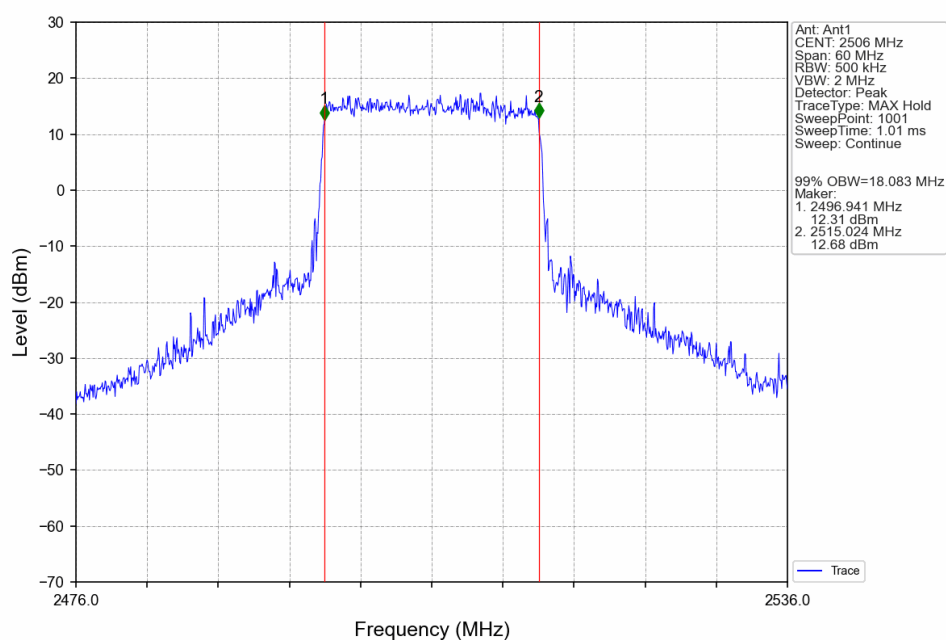


Test Report No.: RF260330B003

Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV

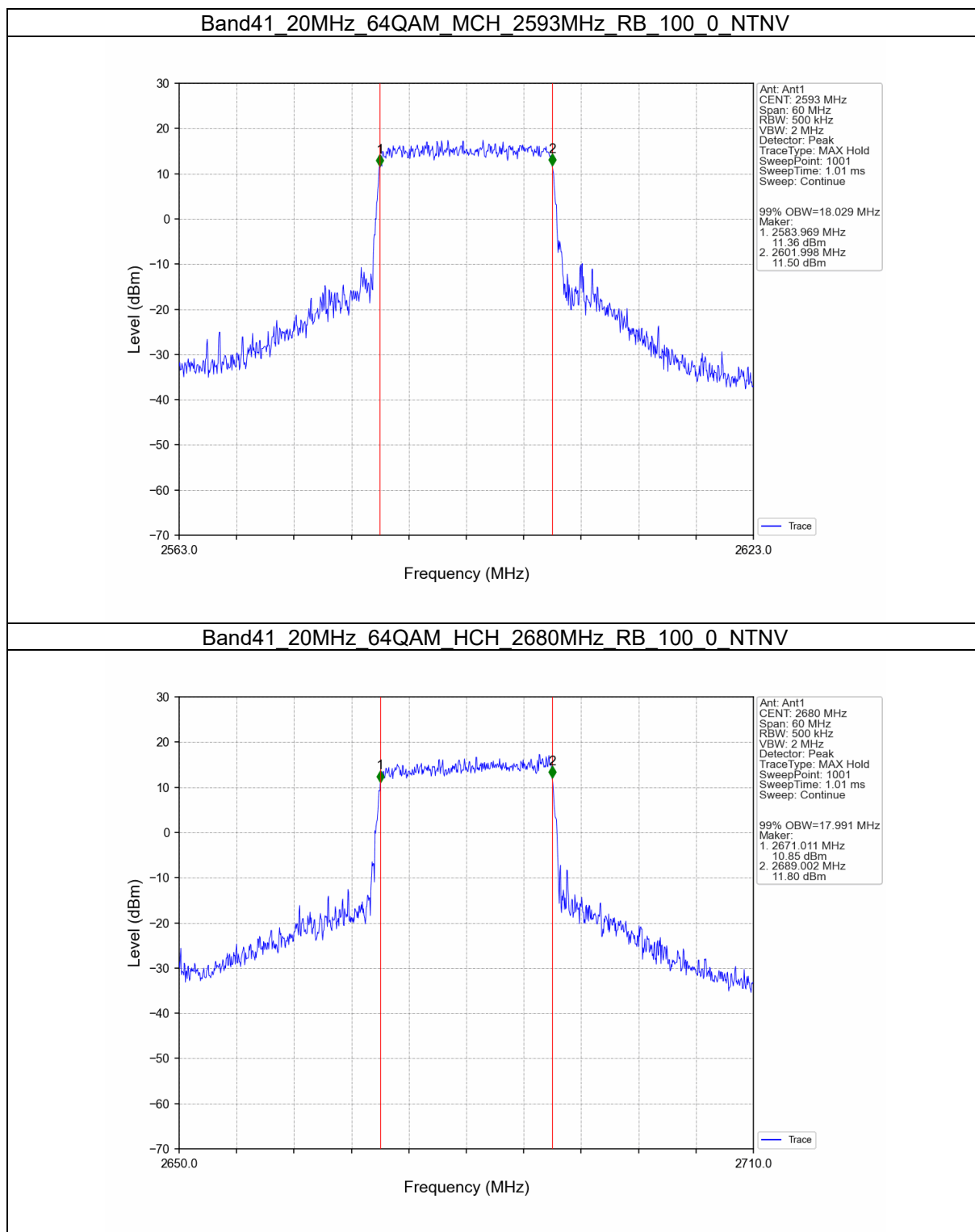


Band41_20MHz_64QAM_LCH_2506MHz_RB_100_0_NTNV





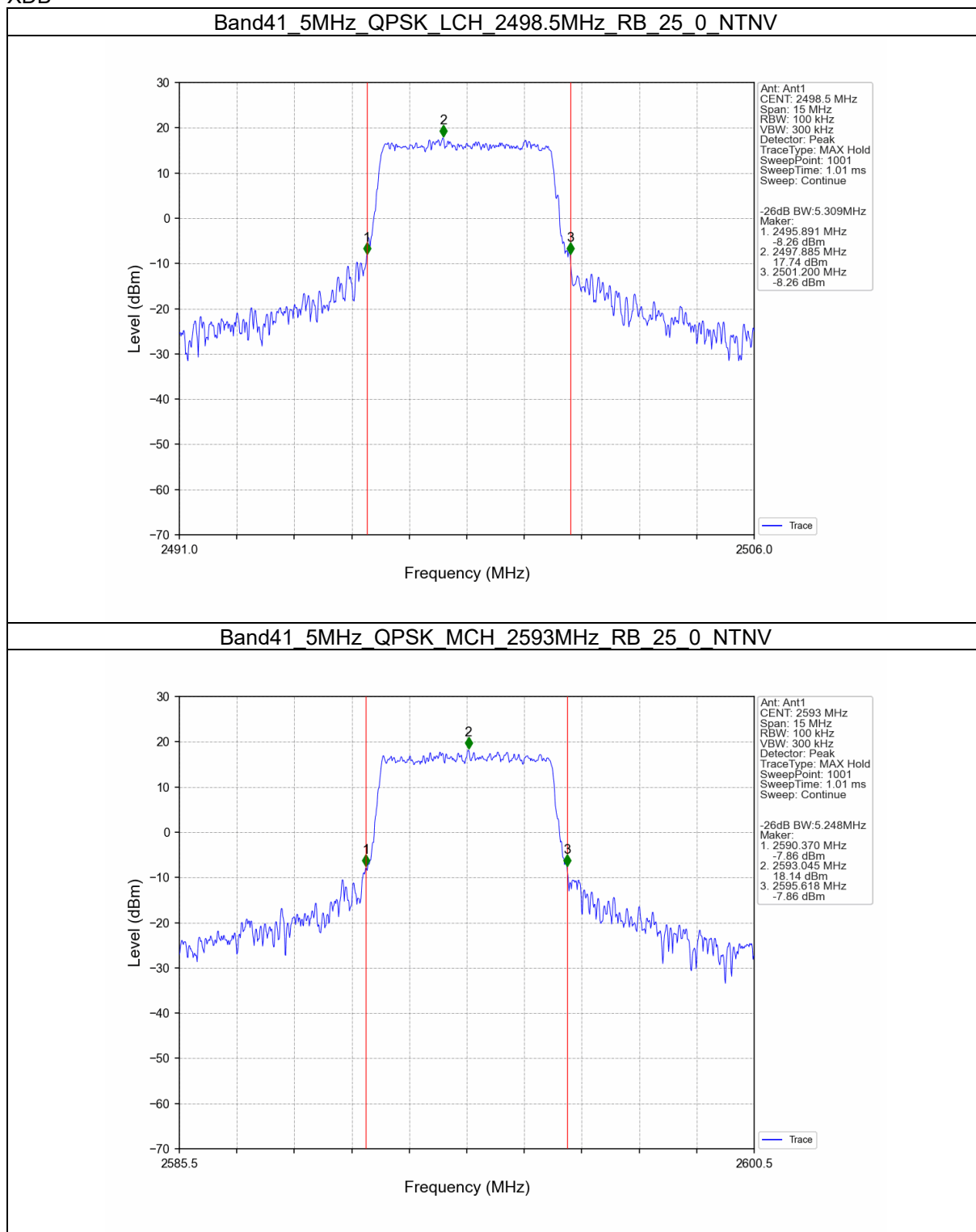
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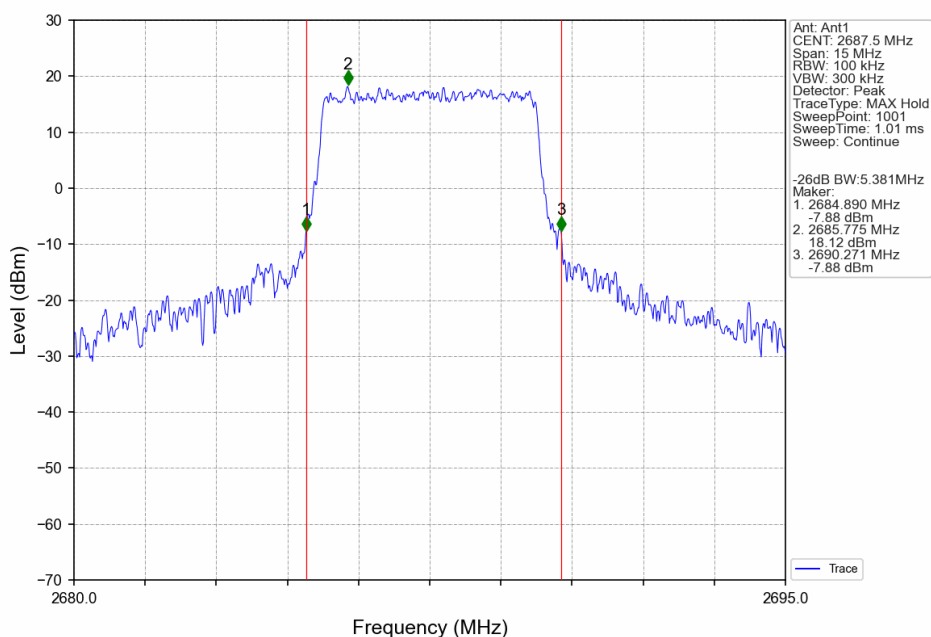
Test Report No.: RF260330B003

XDB



Test Report No.: RF260330B003

Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV

