

6. Spurious Emission

6.1 Test Result

6.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2557.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2652.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2557.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2652.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2560	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2650	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2560	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2650	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2562.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2647.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2562.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

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	2605	1	0	Refer To Test Graph	Pass
	2647.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

6.1.4 B41_20MHz

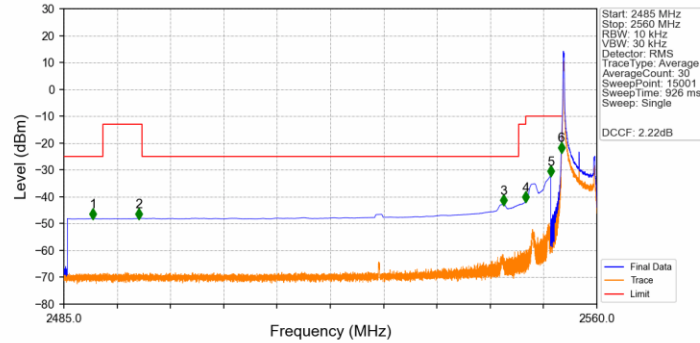
Band: 41 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2645	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	2565	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2645	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

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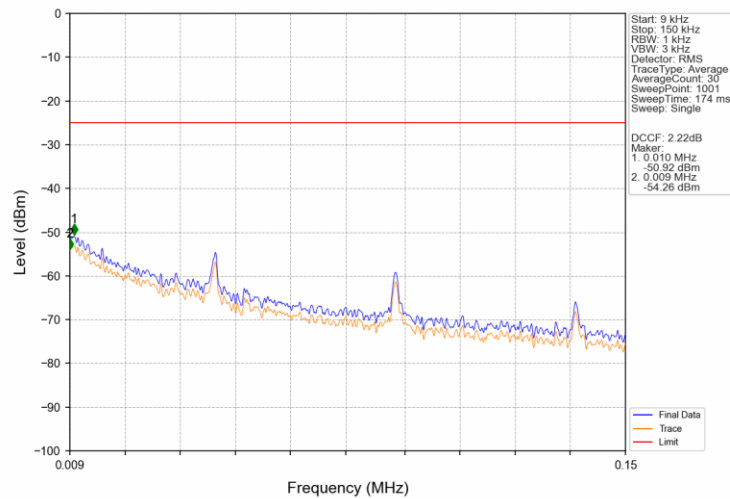
6.2 Test Graph

6.2.1 B41_5MHz

Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



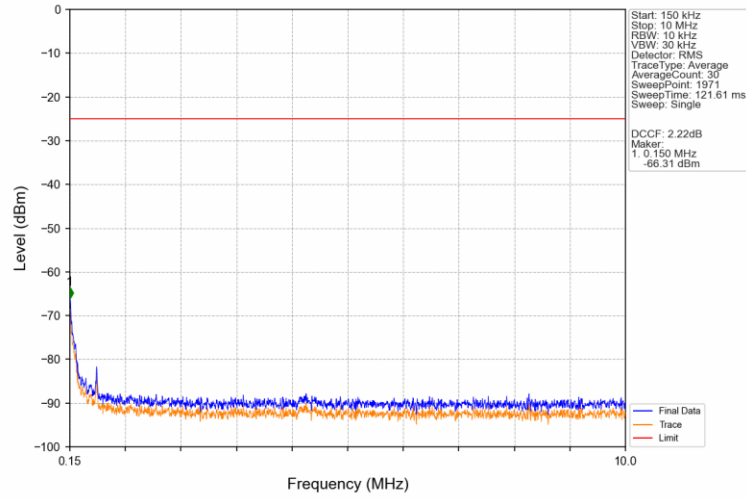
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



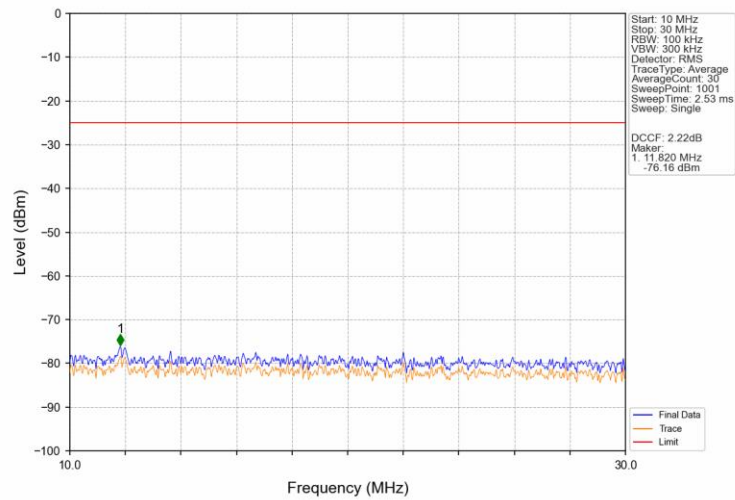


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Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV

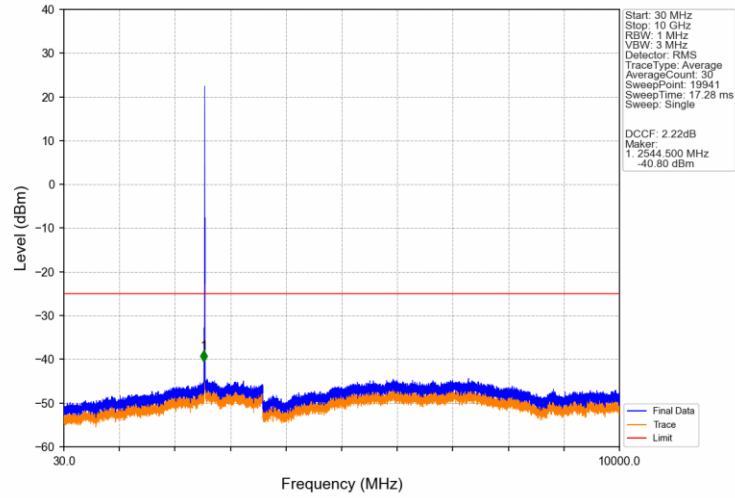


Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV

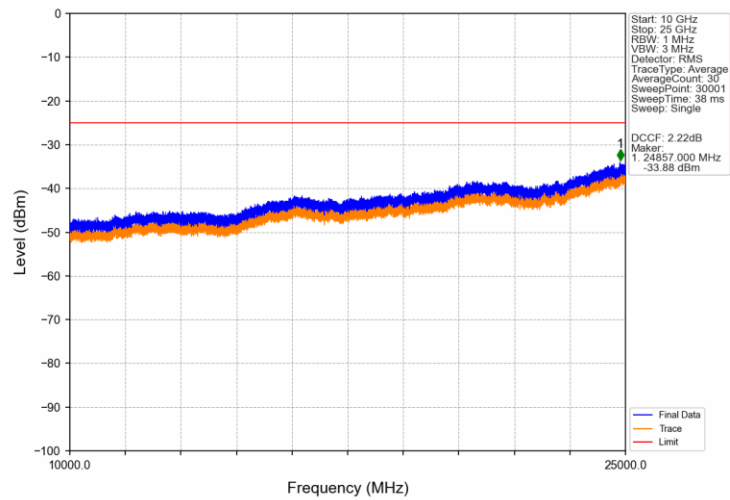


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Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



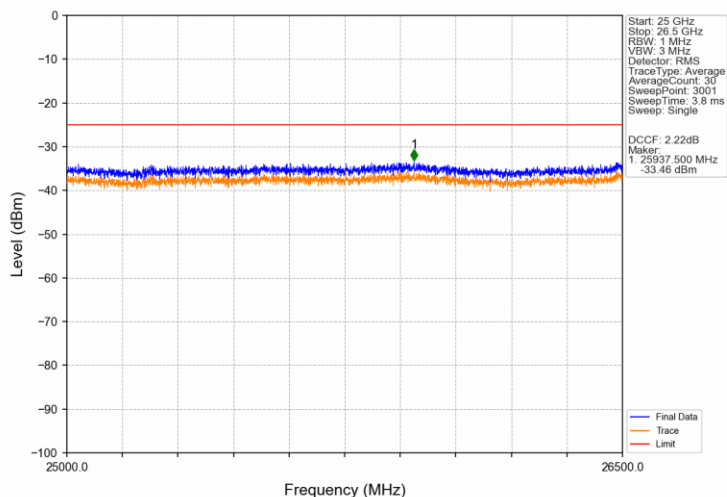
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



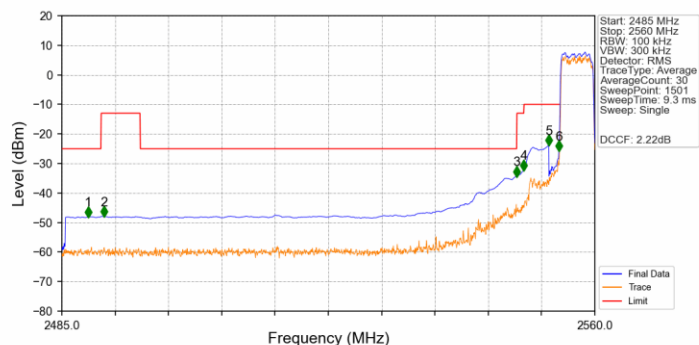


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Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV

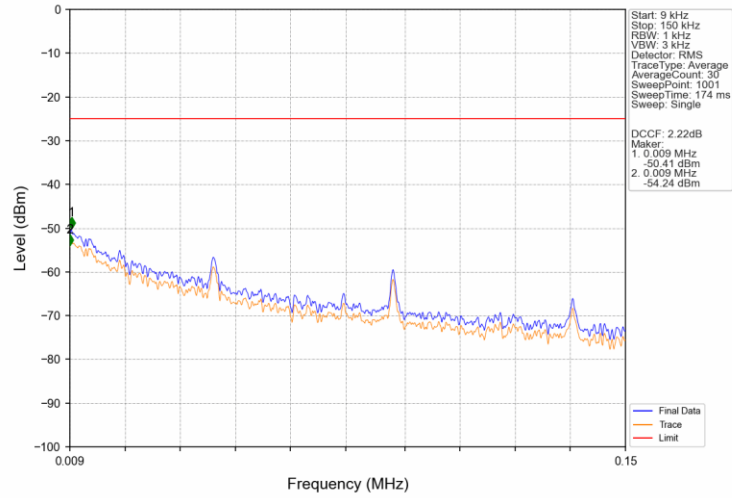


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.700	-47.98	-25	Pass
2490.5	2496	1	CHP	2	2490.950	-47.88	-13	Pass
2496	2549	1	CHP	3	2549.000	-34.29	-25	Pass
2549	2550	1	CHP	4	2550.000	-32.16	-13	Pass
2550	2554	1	CHP	5	2553.500	-23.67	-10	Pass
2554	2555	0.106	CHP	6	2554.950	-25.69	-10	Pass
2555	2560	0.106	CHP	/	/	/	/	/

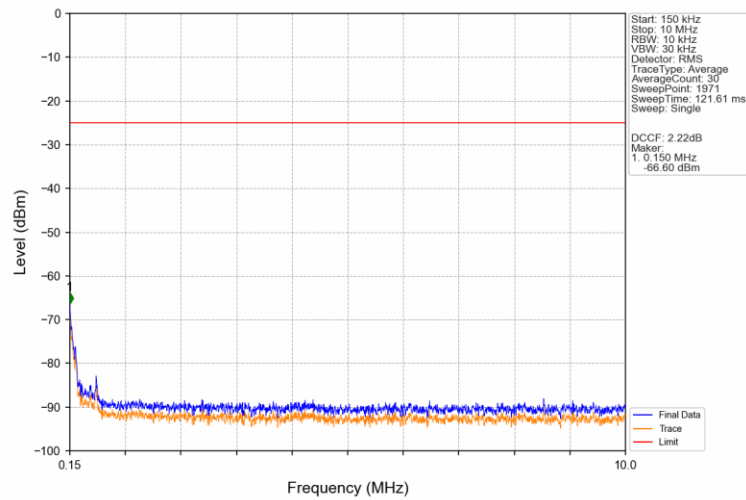


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Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



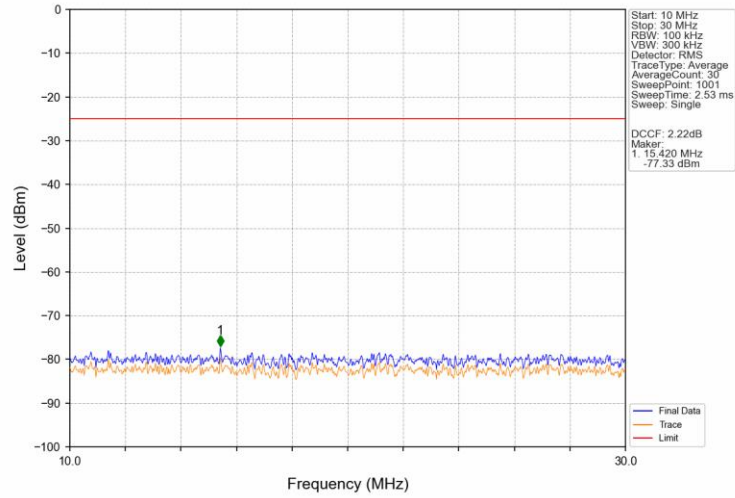
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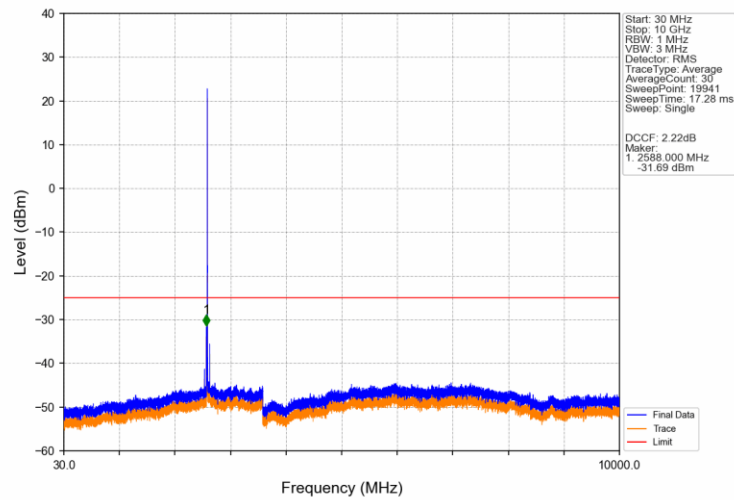


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Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



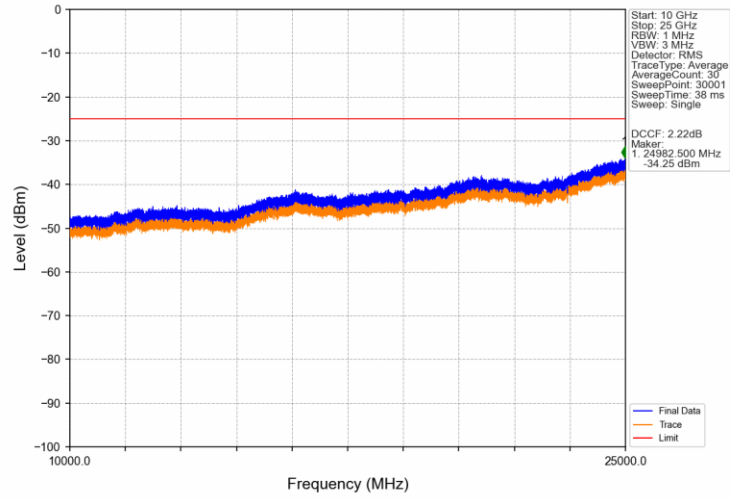
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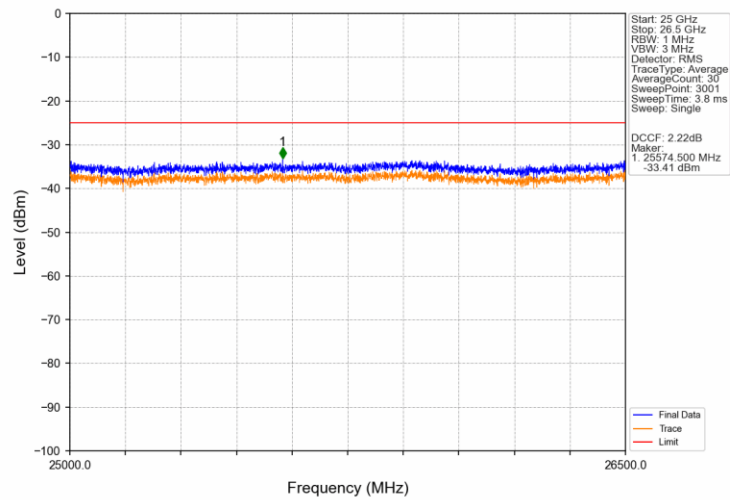


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Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



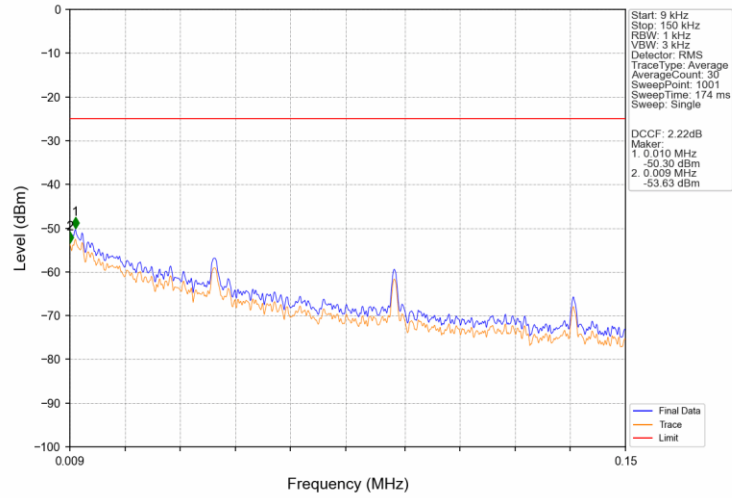
Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



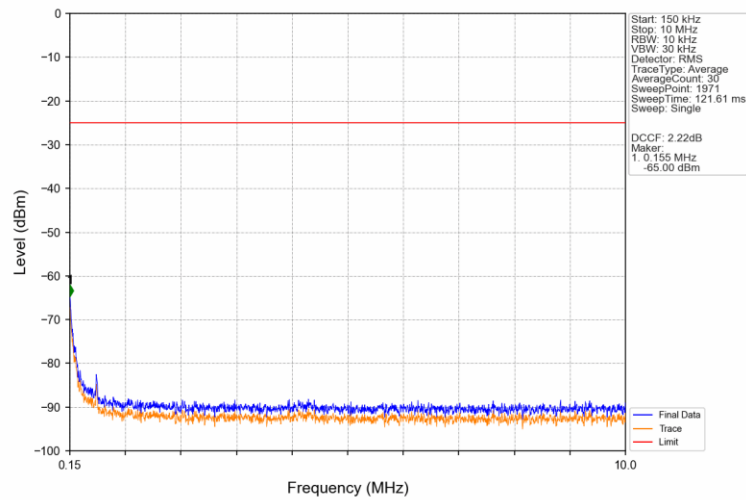


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Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



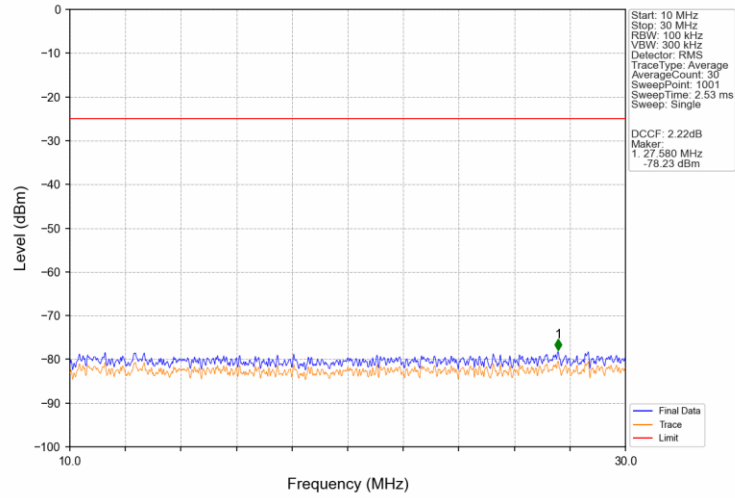
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



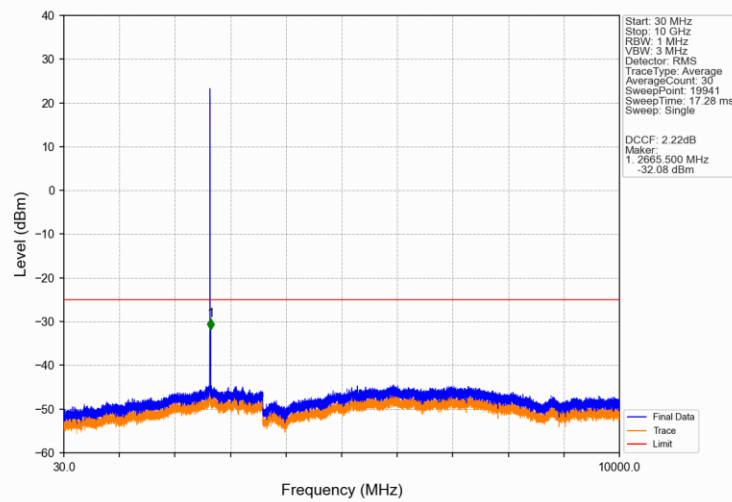


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Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



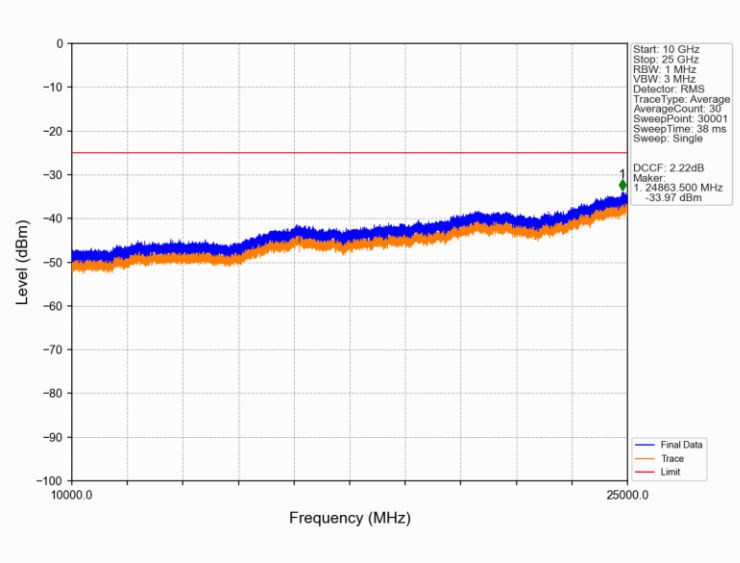
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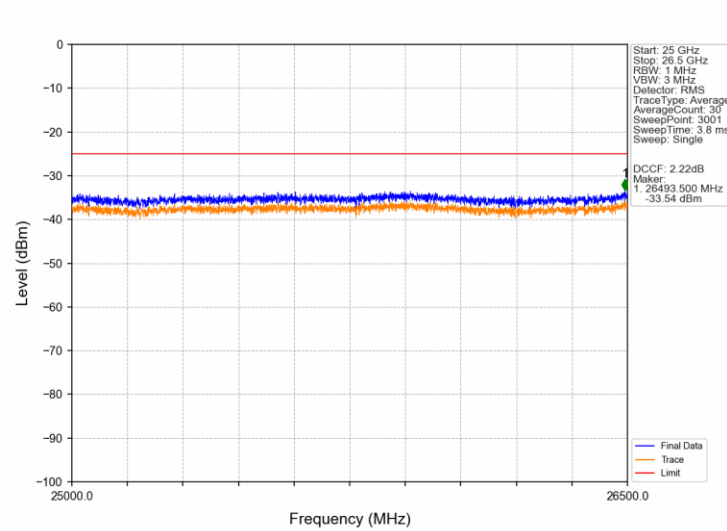


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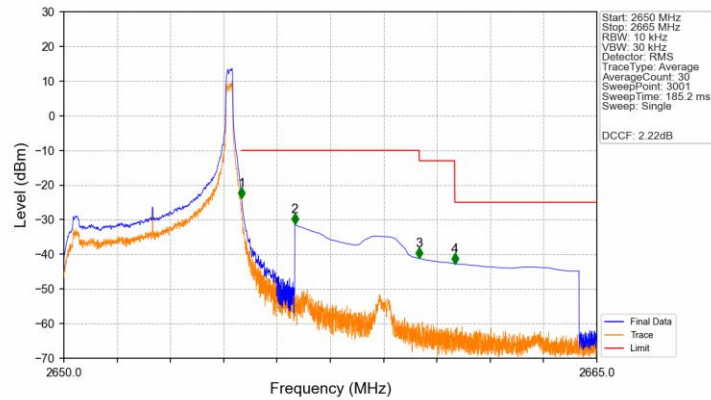
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV

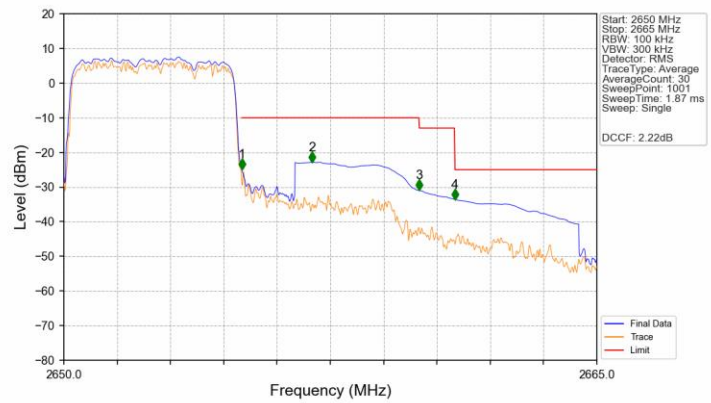


Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2650	2655	0.02	CHP	/	/	/	/	/
2655	2656	0.02	CHP	1	2655.005	-23.86	-10	Pass
2656	2660	1	CHP	2	2656.500	-31.39	-10	Pass
2660	2661	1	CHP	3	2660.005	-41.15	-13	Pass
2661	2665	1	CHP	4	2661.005	-42.76	-25	Pass

Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV

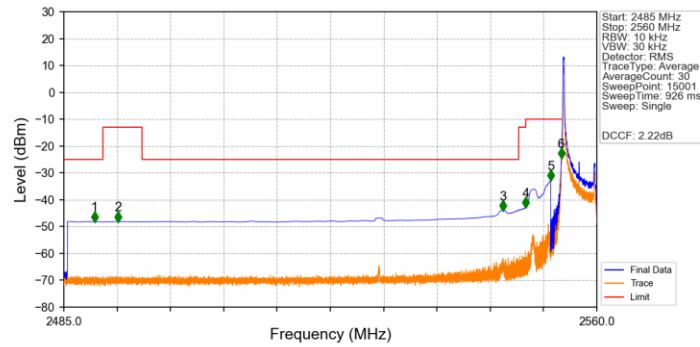


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2650	2655	0.102	CHP	/	/	/	/	/
2655	2656	0.102	CHP	1	2655.010	-25.02	-10	Pass
2656	2660	1	CHP	2	2656.990	-22.85	-10	Pass
2660	2661	1	CHP	3	2660.005	-31.01	-13	Pass
2661	2665	1	CHP	4	2661.010	-33.62	-25	Pass

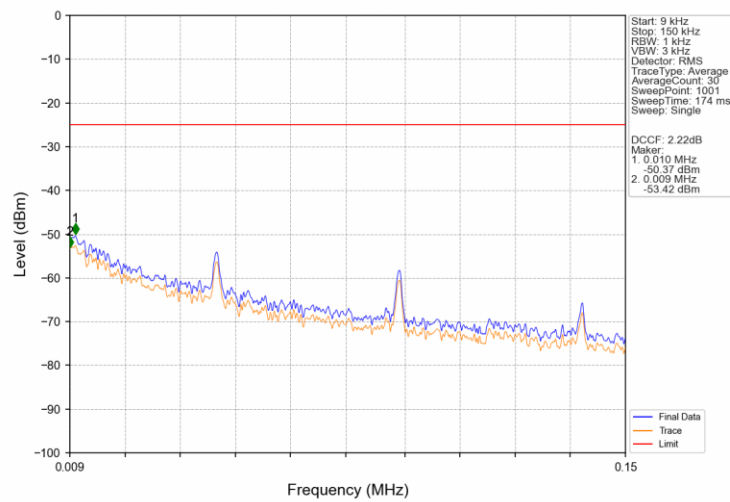


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Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



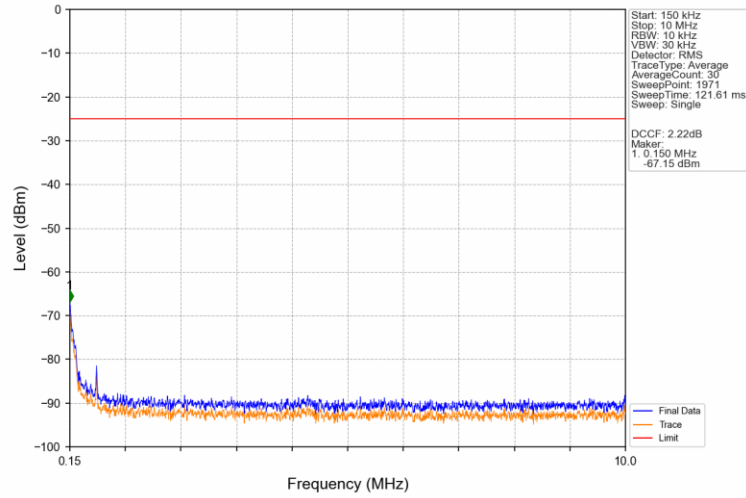
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



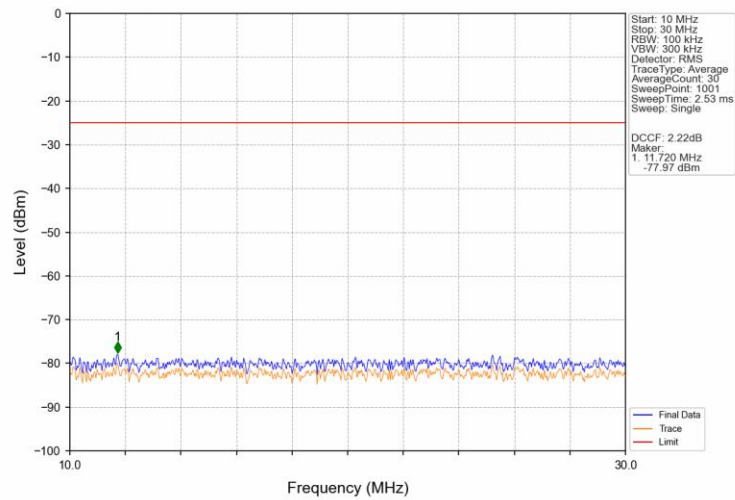


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Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



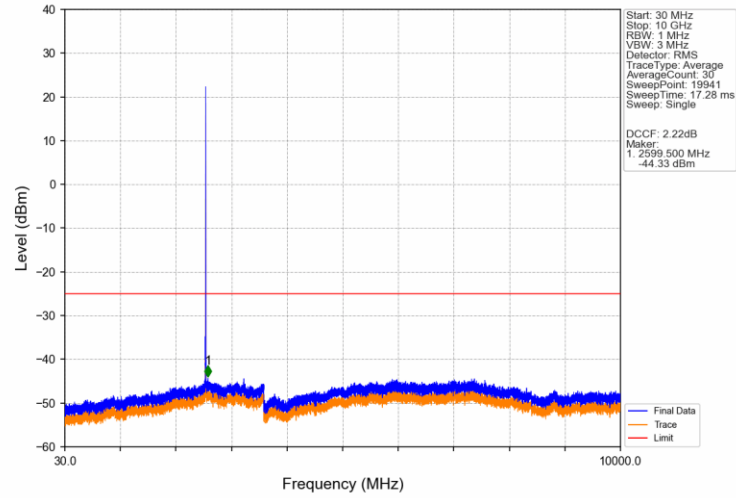
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



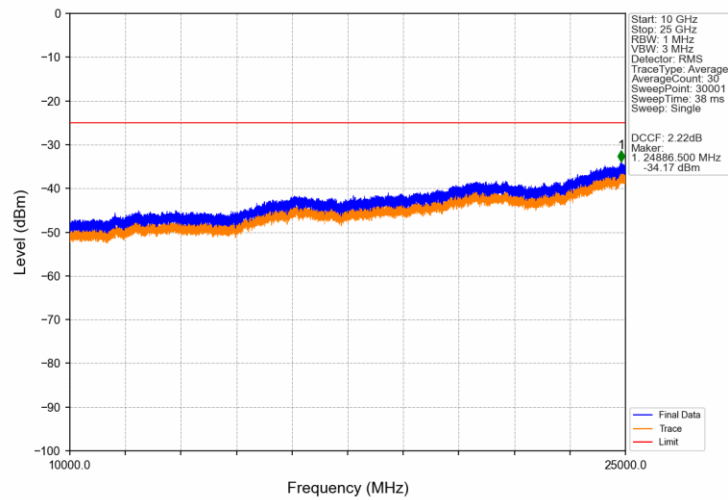


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Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



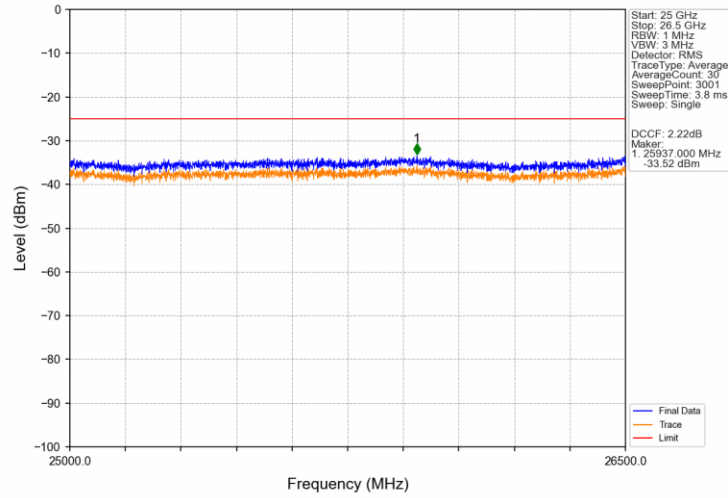
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



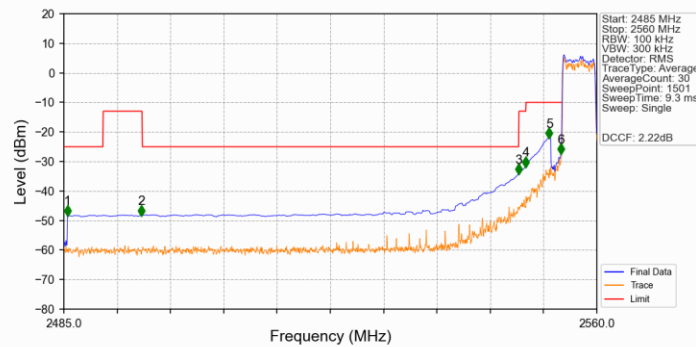


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Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV

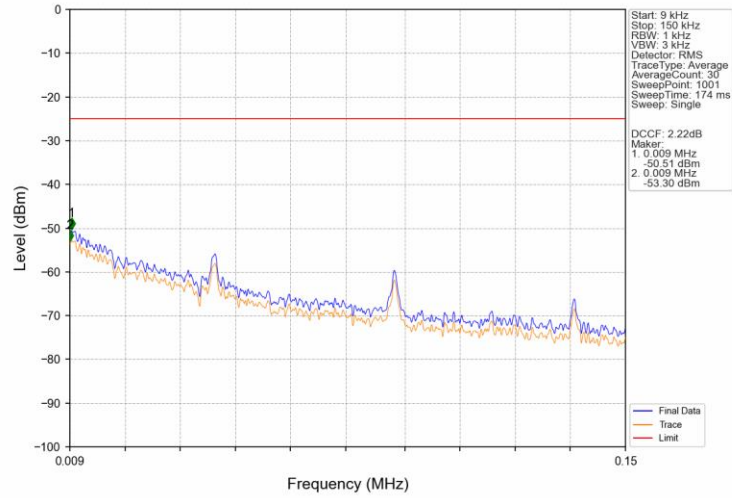


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.500	-48.16	-25	Pass
2490.5	2496	1	CHP	2	2495.900	-48.17	-13	Pass
2496	2549	1	CHP	3	2549.000	-34.13	-25	Pass
2549	2550	1	CHP	4	2550.000	-31.73	-13	Pass
2550	2554	1	CHP	5	2553.300	-21.98	-10	Pass
2554	2555	0.105	CHP	6	2554.950	-27.41	-10	Pass
2555	2560	0.105	CHP	/	/	/	/	/

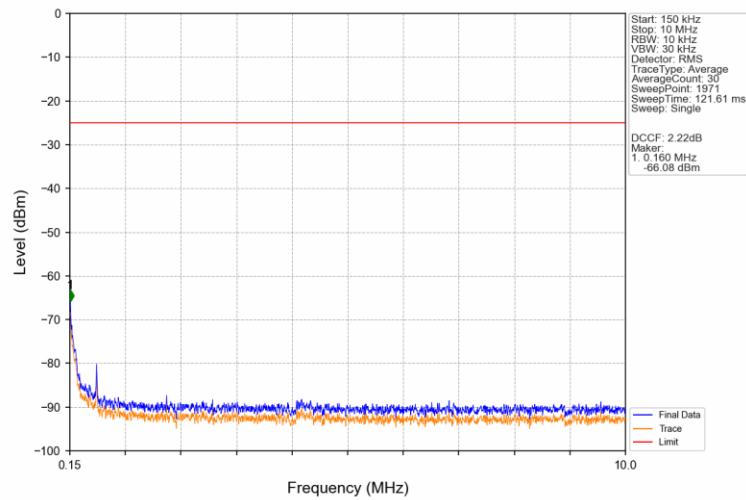


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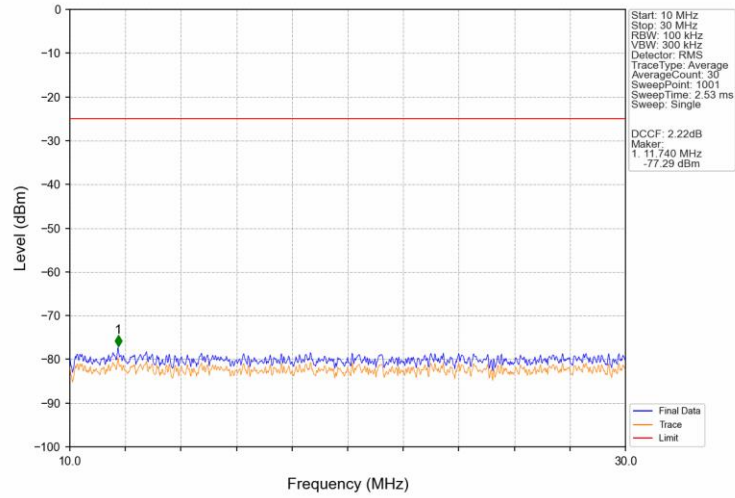
Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



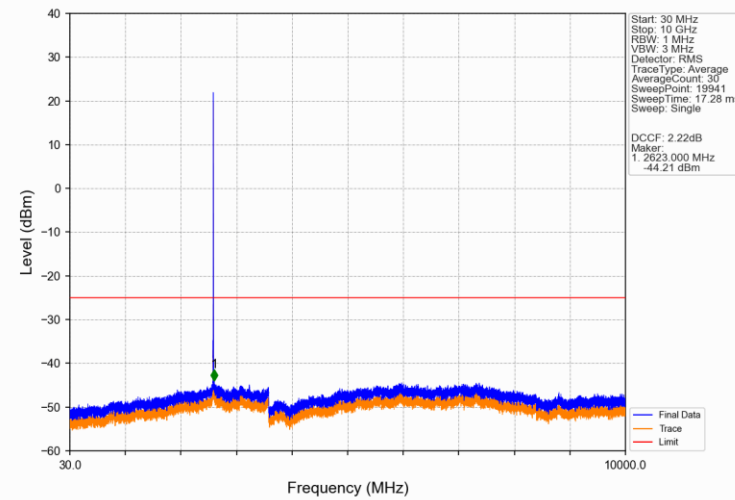
Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



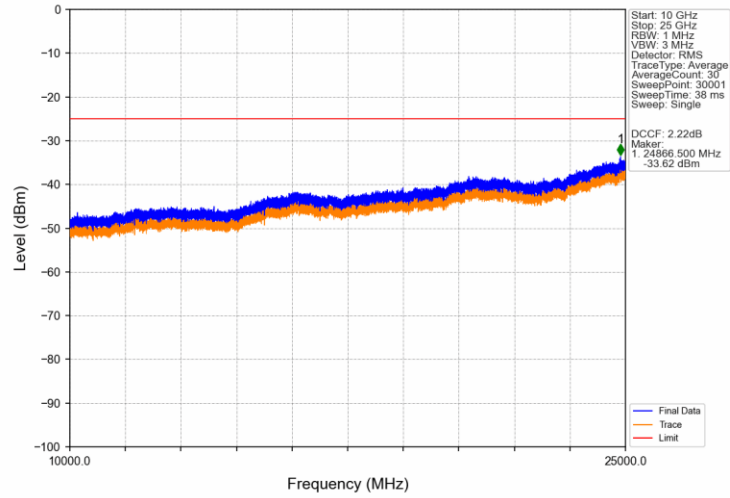
Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



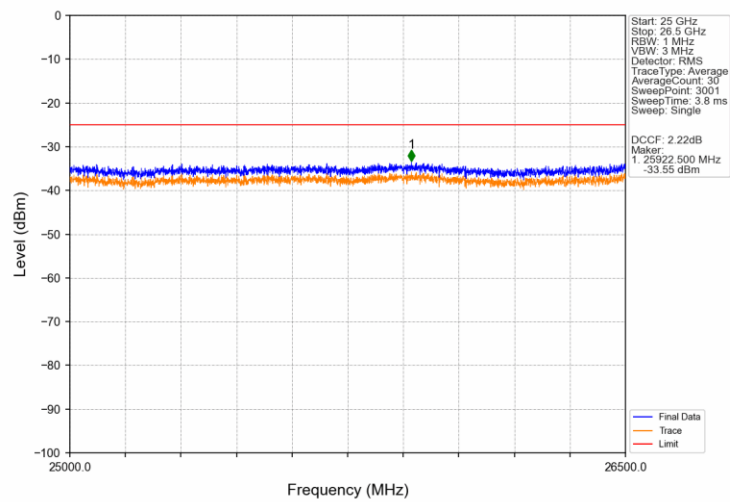


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Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



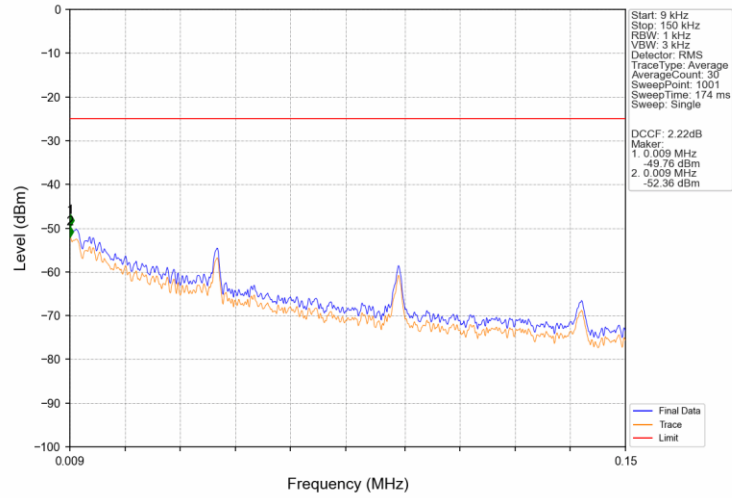
Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



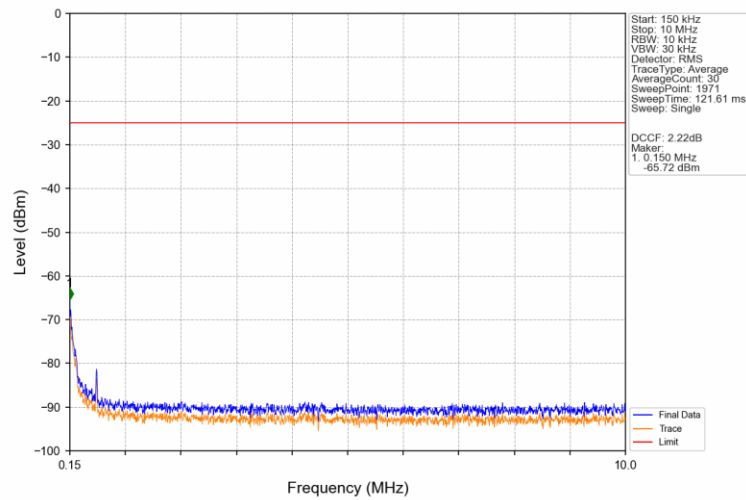


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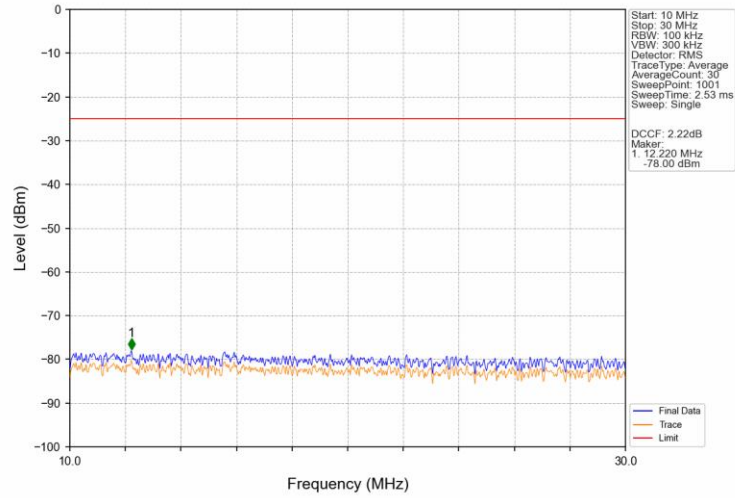
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV



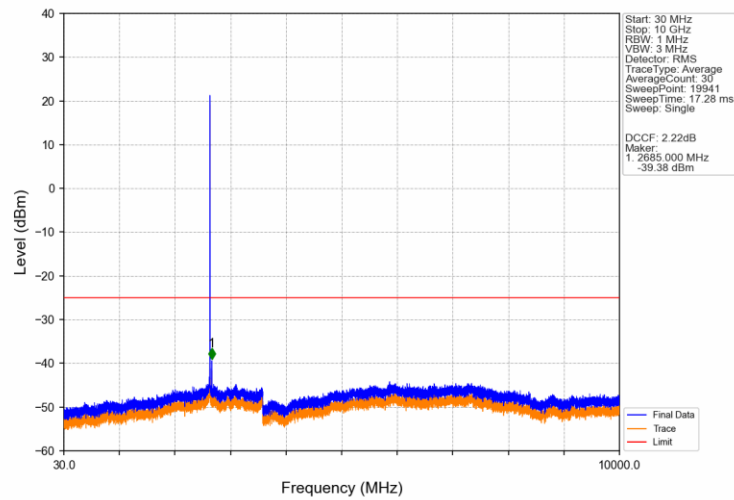
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV



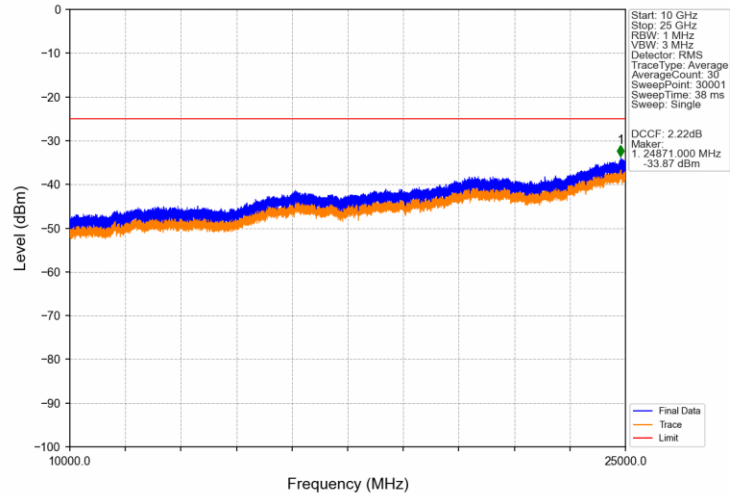
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV



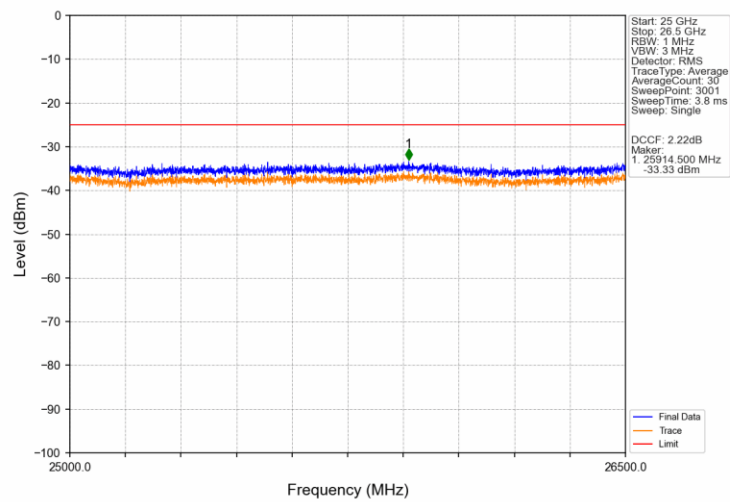


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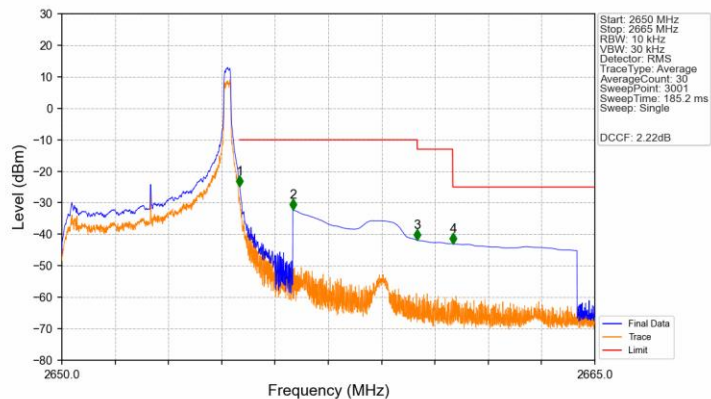
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV

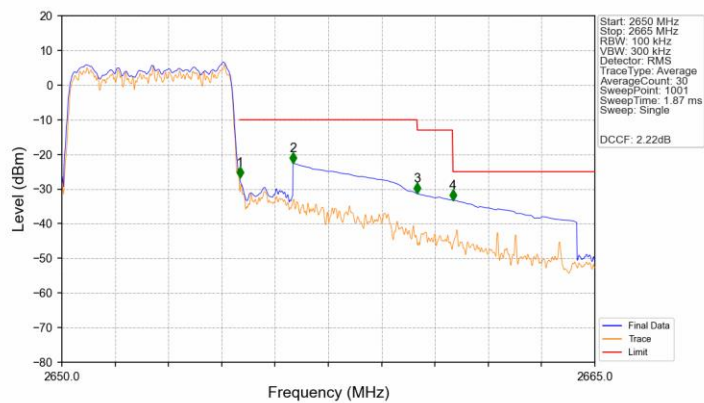


Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2650	2655	0.02	CHP	/	/	/	/	/
2655	2656	0.02	CHP	1	2655.005	-24.87	-10	Pass
2656	2660	1	CHP	2	2656.515	-32.34	-10	Pass
2660	2661	1	CHP	3	2660.005	-41.88	-13	Pass
2661	2665	1	CHP	4	2661.015	-42.99	-25	Pass

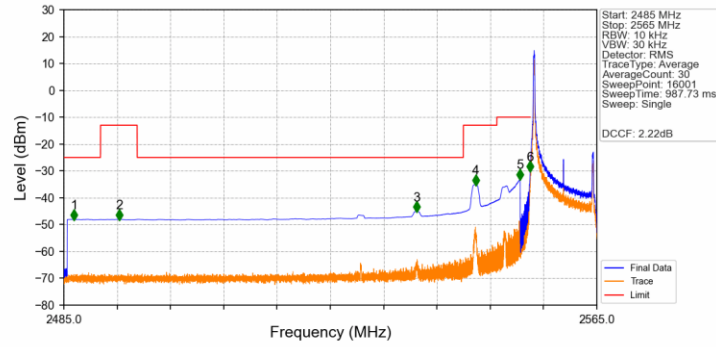
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2650	2655	0.103	CHP	/	/	/	/	/
2655	2656	0.103	CHP	1	2655.010	-26.76	-10	Pass
2656	2660	1	CHP	2	2656.510	-22.55	-10	Pass
2660	2661	1	CHP	3	2660.005	-31.25	-13	Pass
2661	2665	1	CHP	4	2661.010	-33.28	-25	Pass

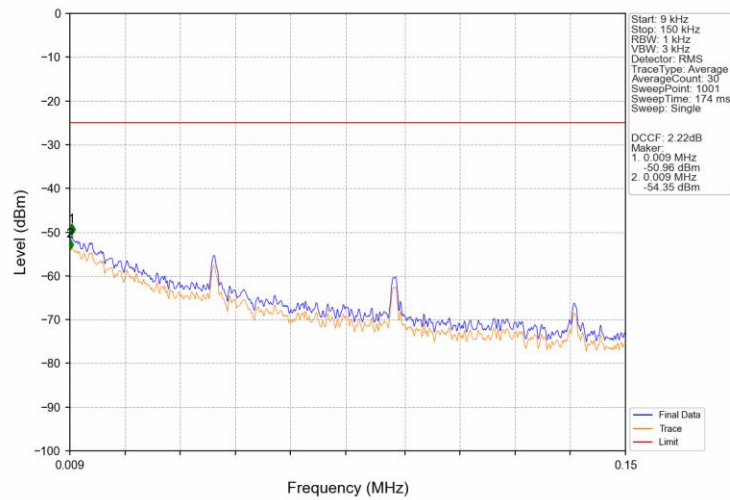
6.2.2 B41_10MHz

Band41_10MHz_QPSK_LCH_2560MHz_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	2486.520	-48.04	-25	Pass
2490.5	2496	1	CHP	2	2493.325	-48.02	-13	Pass
2496	2544.966	1	CHP	3	2537.925	-45.08	-25	Pass
2544.966	2550	1	CHP	4	2546.830	-35.11	-13	Pass
2550	2554	1	CHP	5	2553.460	-33.03	-10	Pass
2554	2555	0.02	CHP	6	2554.995	-30.12	-10	Pass
2555	2565	0.02	CHP	/	/	/	/	/

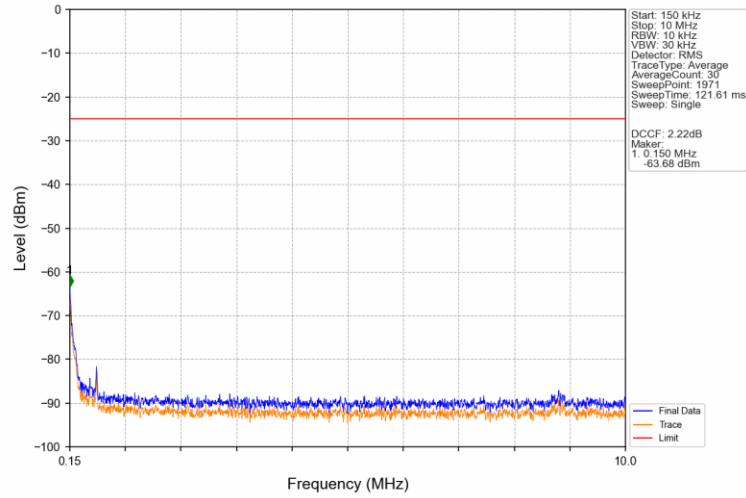
Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



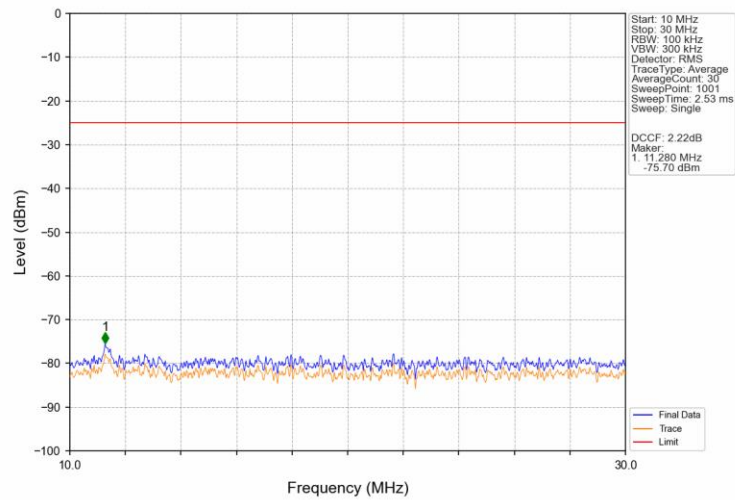


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Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



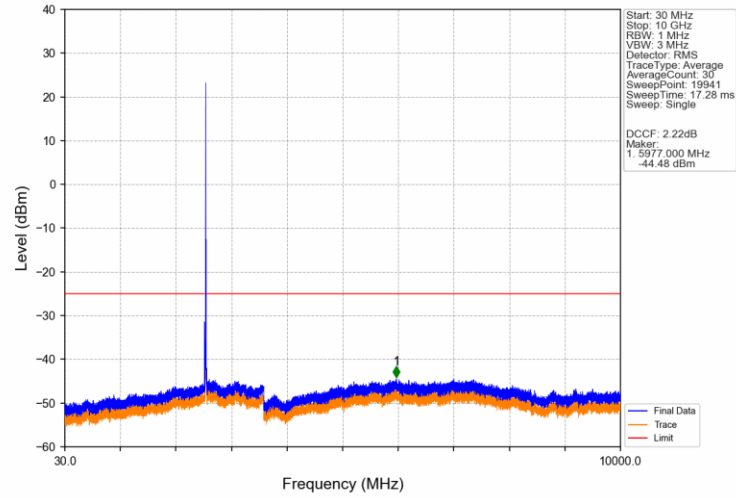
Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



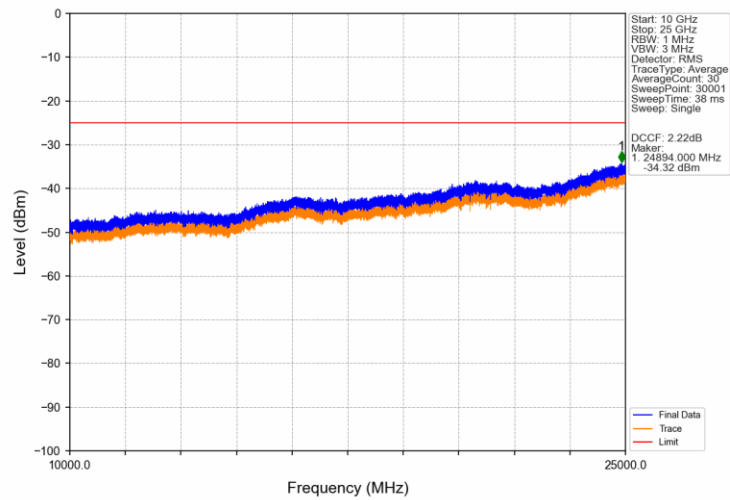


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Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



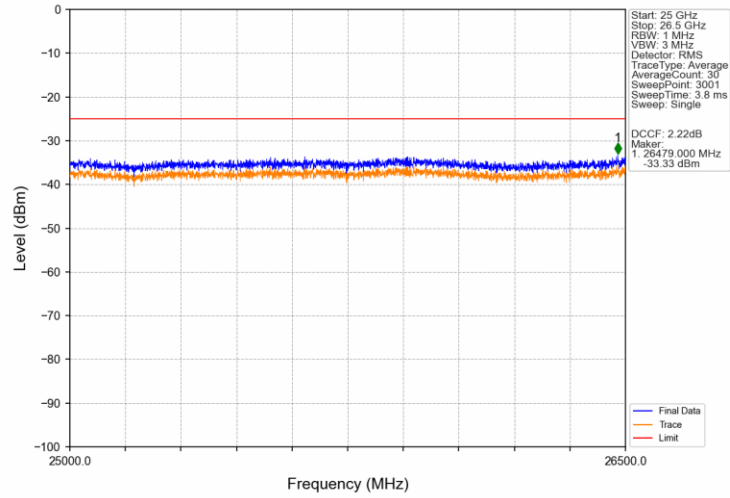
Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



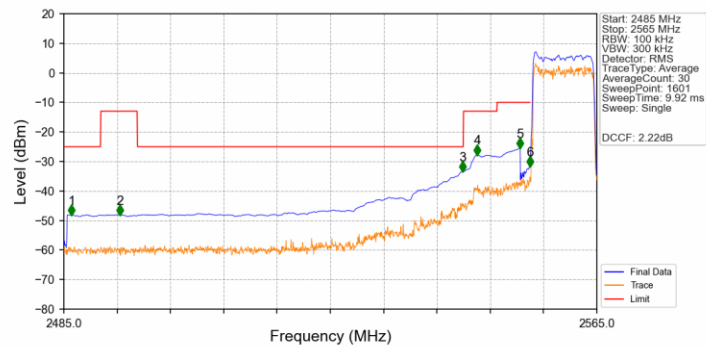


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Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV

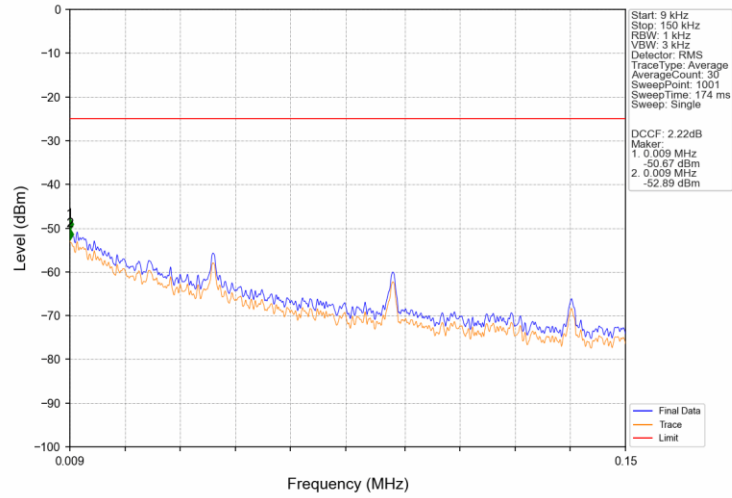


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.150	-48.00	-25	Pass
2490.5	2496	1	CHP	2	2493.450	-48.05	-13	Pass
2496	2544.966	1	CHP	3	2544.850	-33.38	-25	Pass
2544.966	2550	1	CHP	4	2547.050	-27.65	-13	Pass
2550	2554	1	CHP	5	2553.500	-25.43	-10	Pass
2554	2555	0.201	CHP	6	2554.950	-31.59	-10	Pass
2555	2565	0.201	CHP	/	/	/	/	/

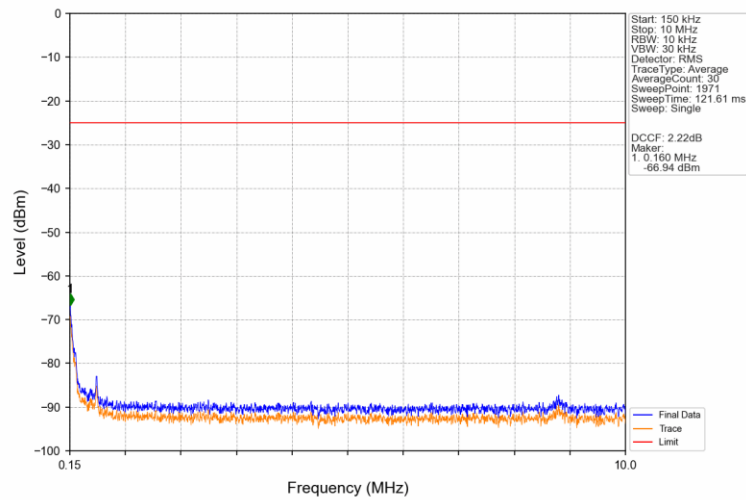


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Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



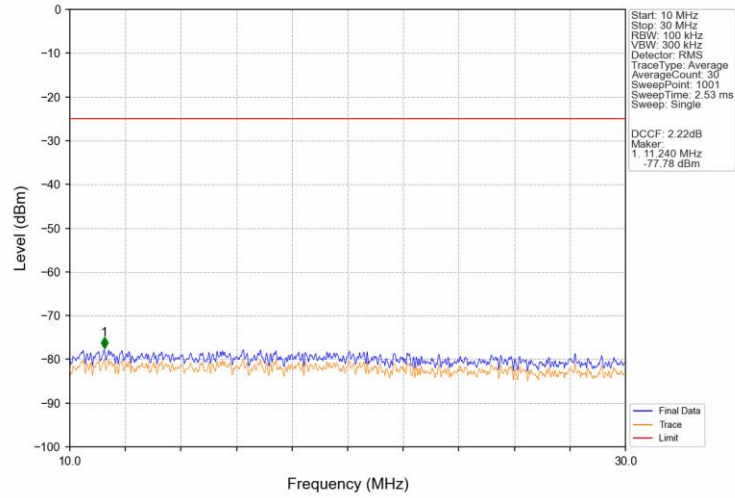
Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



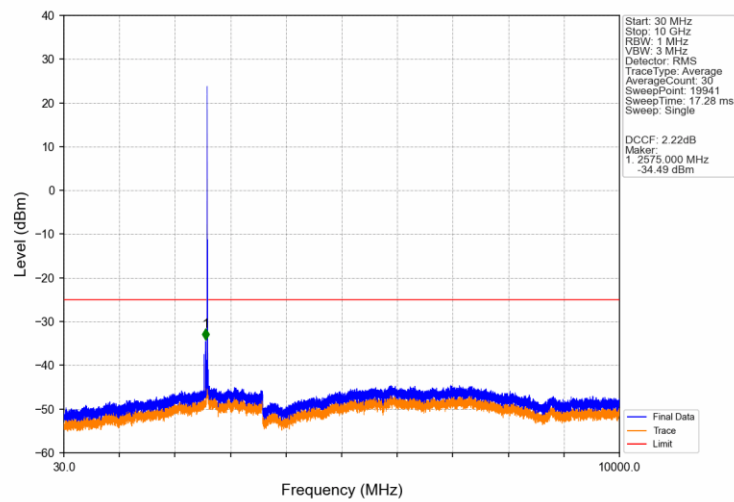


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Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



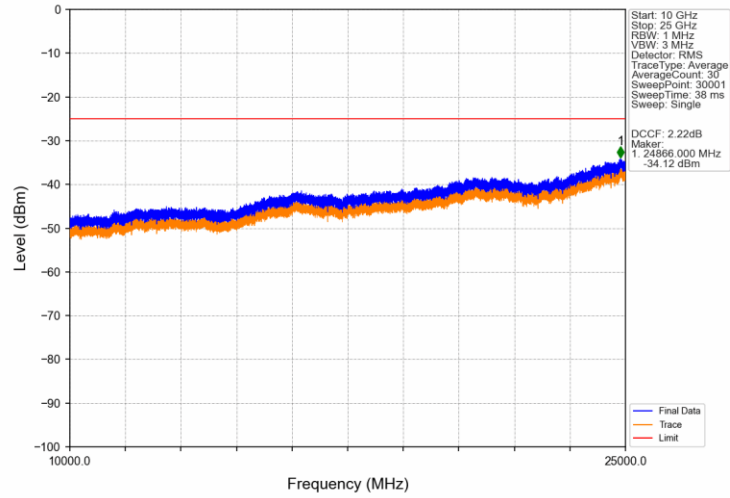
Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



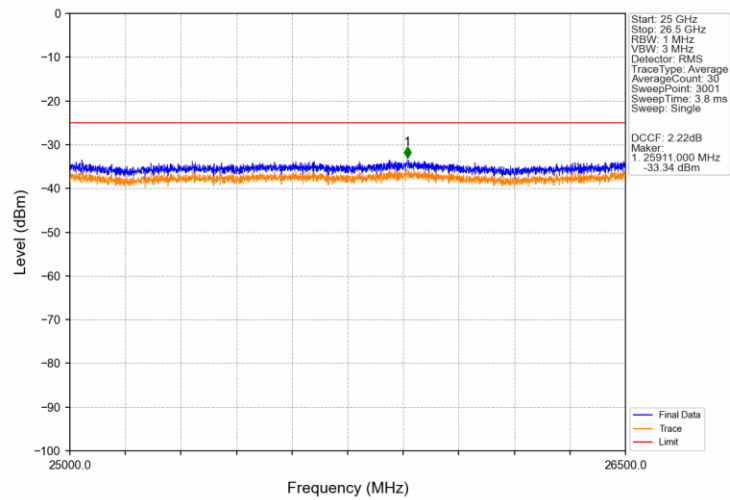


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Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



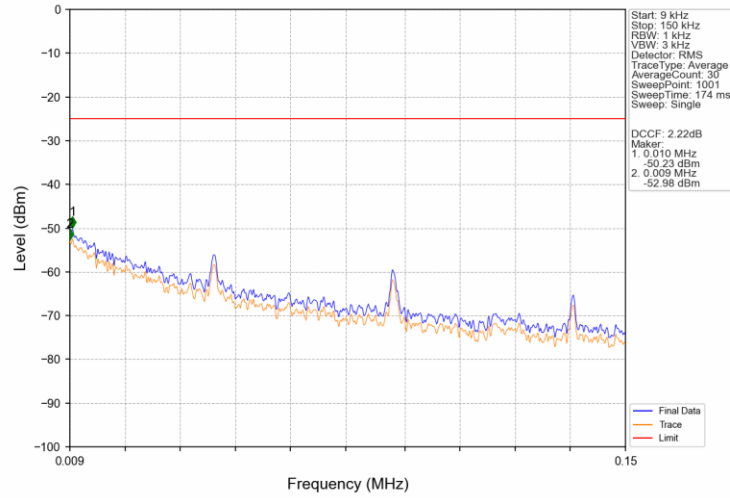
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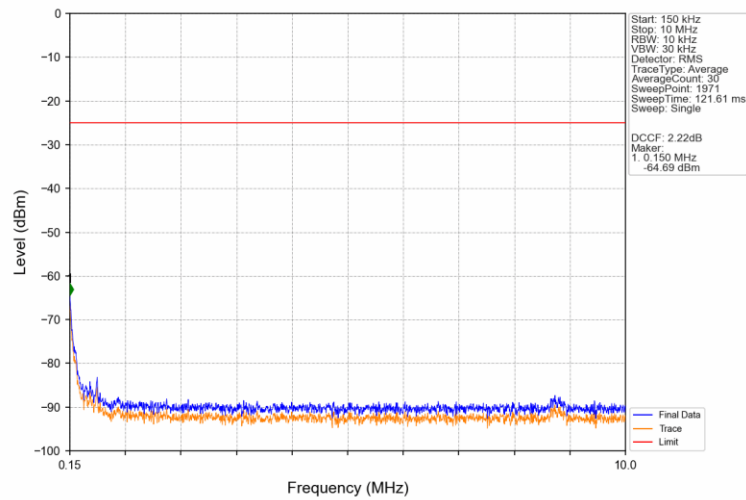


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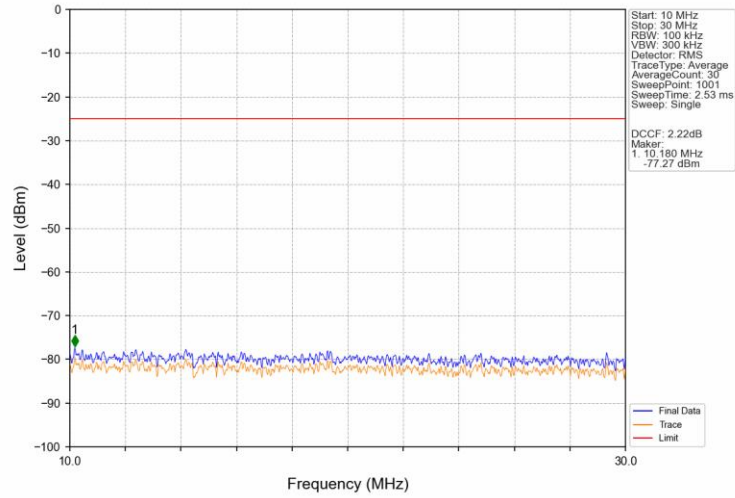
Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV



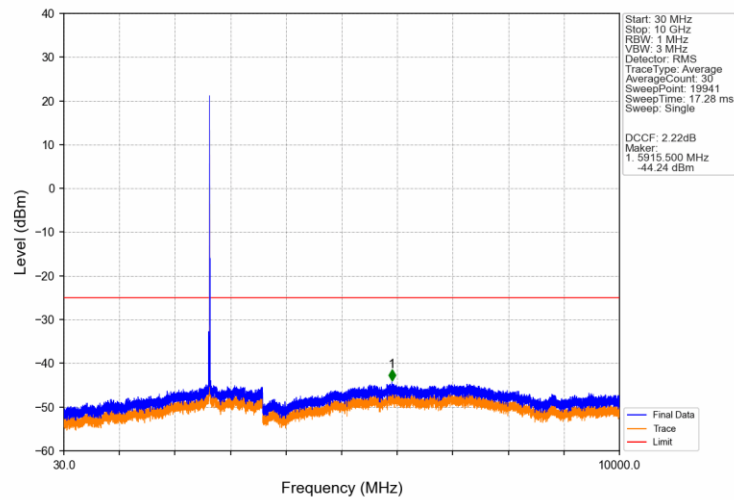
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Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV



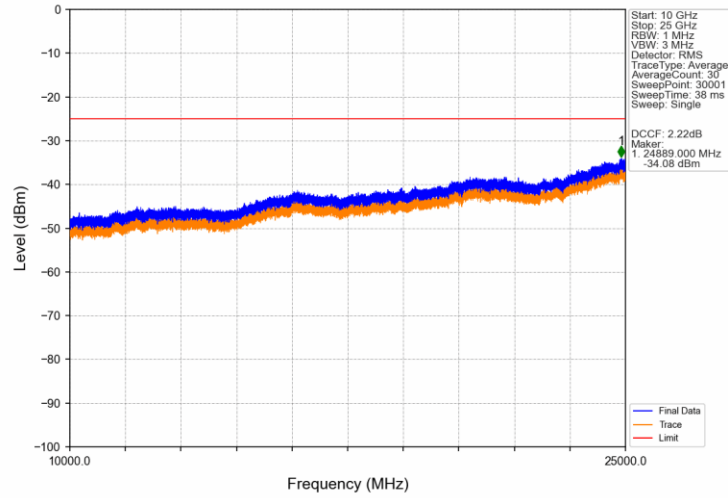
Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV



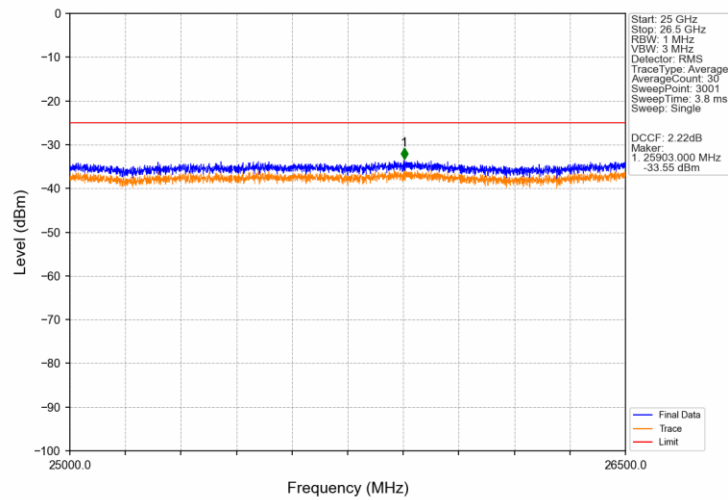


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Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV



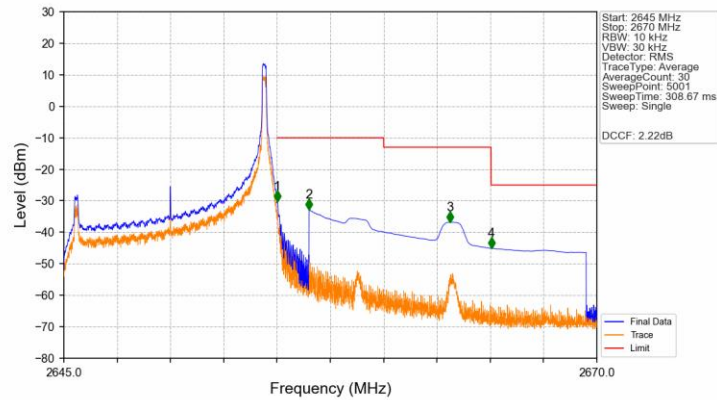
Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV





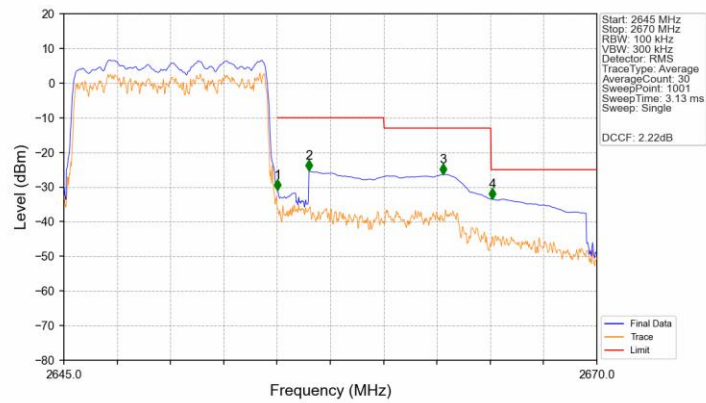
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Band41_10MHz_QPSK_HCH_2650MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2645	2655	0.02	CHP	/	/	/	/	/
2655	2656	0.02	CHP	1	2655.015	-30.32	-10	Pass
2656	2660	1	CHP	2	2656.500	-32.86	-10	Pass
2660	2665.043	1	CHP	3	2663.125	-36.82	-13	Pass
2665.043	2670	1	CHP	4	2665.060	-45.08	-25	Pass

Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV

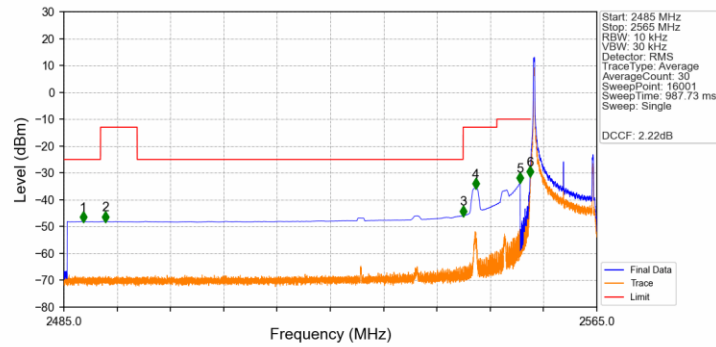


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2645	2655	0.201	CHP	/	/	/	/	/
2655	2656	0.201	CHP	1	2655.025	-31.01	-10	Pass
2656	2660	1	CHP	2	2656.500	-25.38	-10	Pass
2660	2665.043	1	CHP	3	2662.775	-26.38	-13	Pass
2665.043	2670	1	CHP	4	2665.100	-33.47	-25	Pass



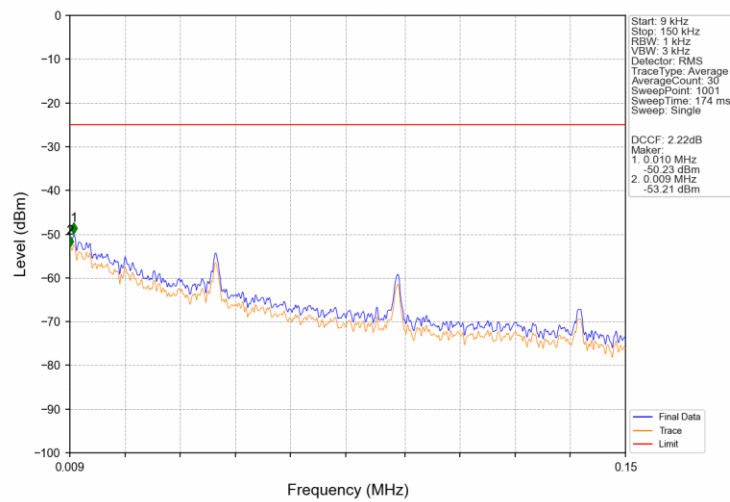
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Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.915	-48.09	-25	Pass
2490.5	2496	1	CHP	2	2491.280	-48.06	-13	Pass
2496	2544.926	1	CHP	3	2544.925	-45.95	-25	Pass
2544.926	2550	1	CHP	4	2546.820	-35.74	-13	Pass
2550	2554	1	CHP	5	2553.500	-33.67	-10	Pass
2554	2555	0.02	CHP	6	2554.995	-31.32	-10	Pass
2555	2565	0.02	CHP	/	/	/	/	/

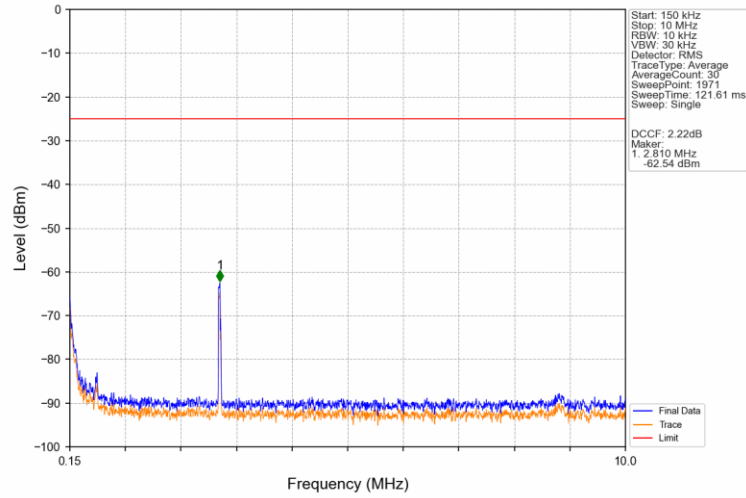
Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



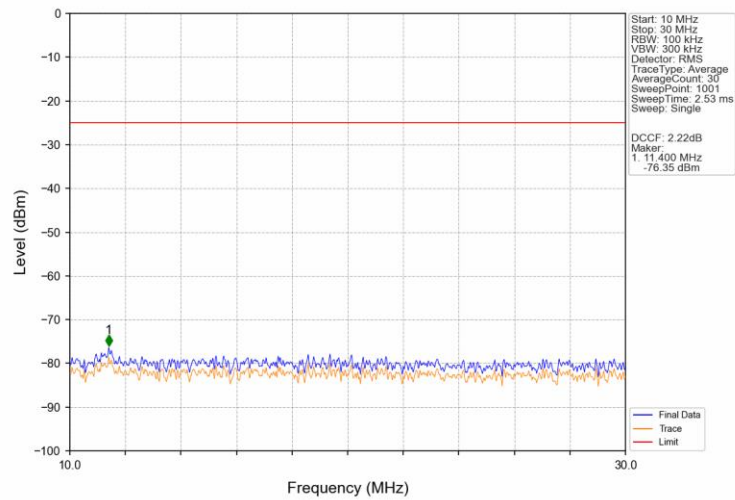


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Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



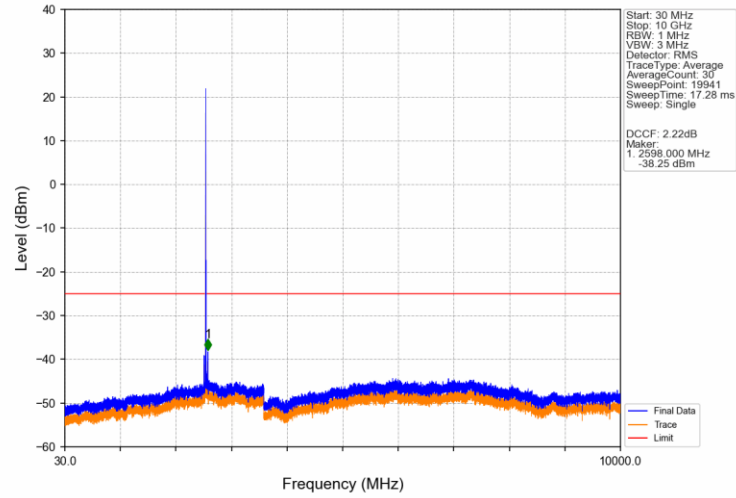
Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



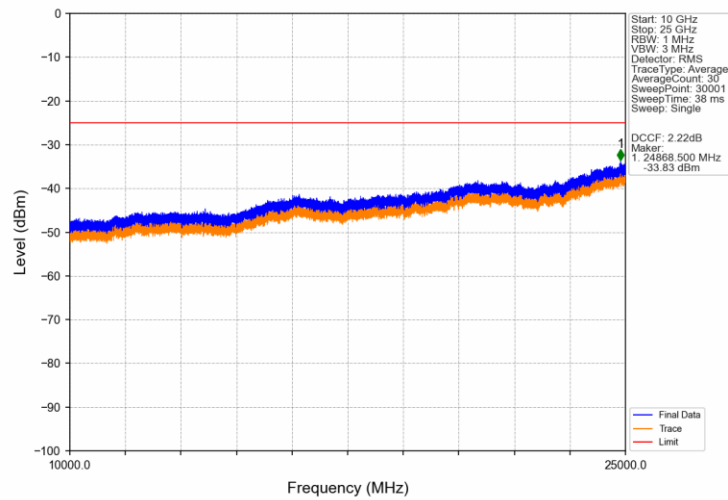


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Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



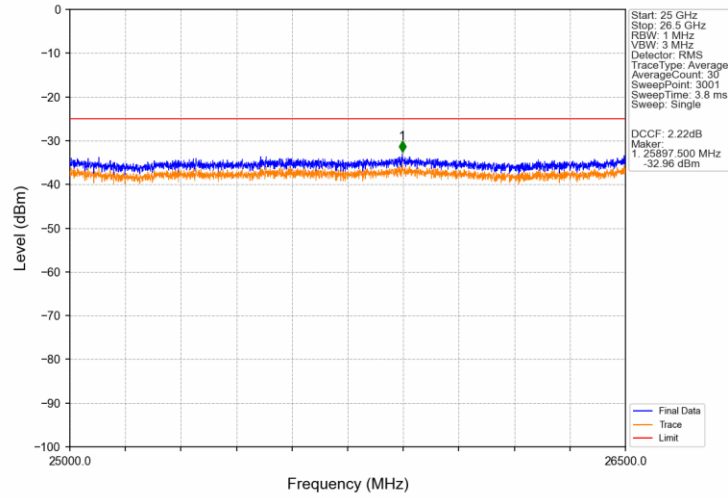
Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



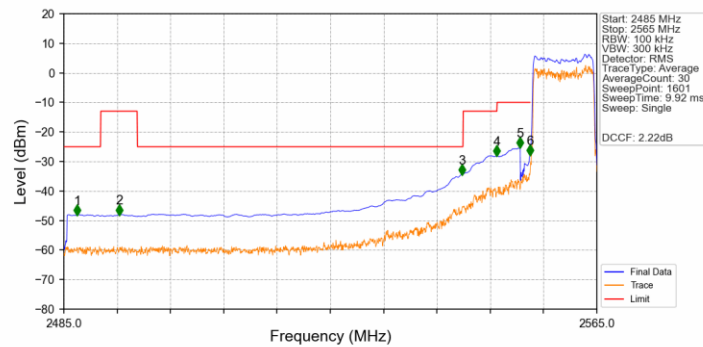


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Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV

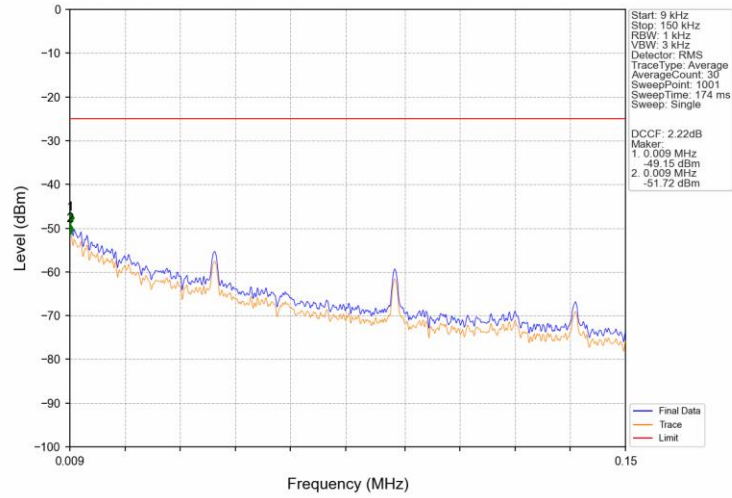


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.000	-48.02	-25	Pass
2490.5	2496	1	CHP	2	2493.350	-47.95	-13	Pass
2496	2544.926	1	CHP	3	2544.750	-34.32	-25	Pass
2544.926	2550	1	CHP	4	2550.000	-28.05	-13	Pass
2550	2554	1	CHP	5	2553.500	-25.19	-10	Pass
2554	2555	0.201	CHP	6	2554.950	-27.73	-10	Pass
2555	2565	0.201	CHP	/	/	/	/	/

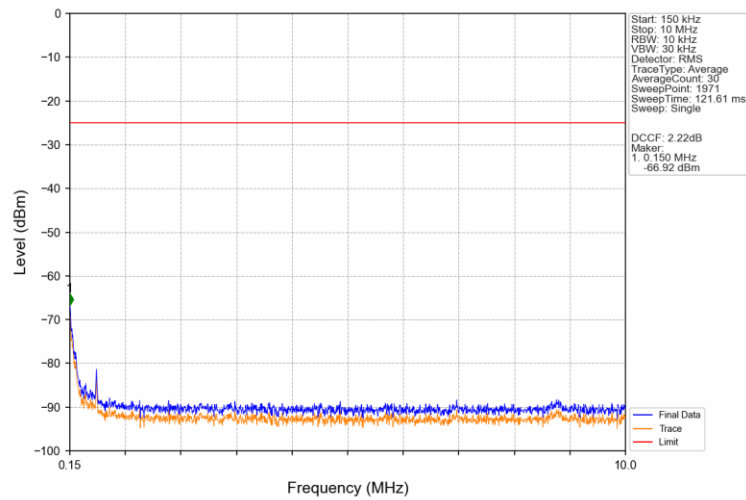


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Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



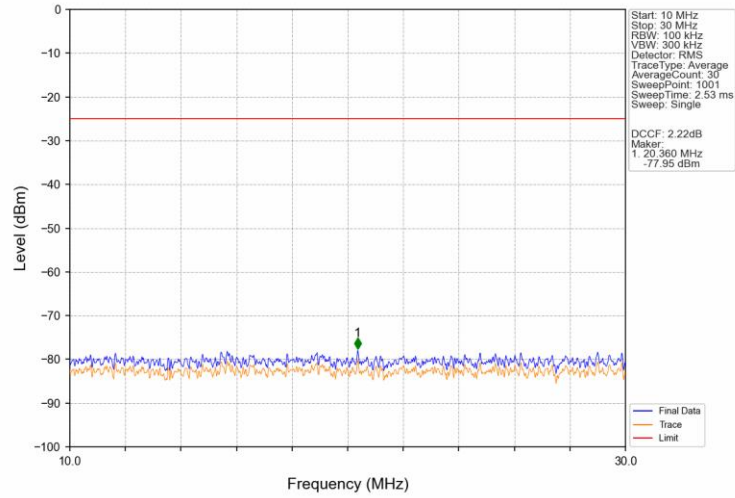
Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV





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Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV



Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

