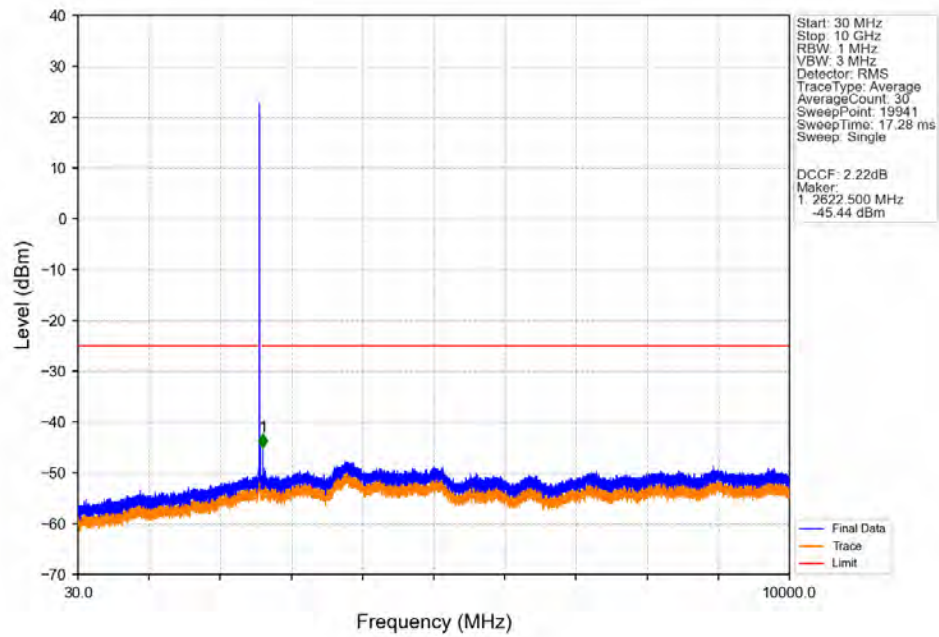
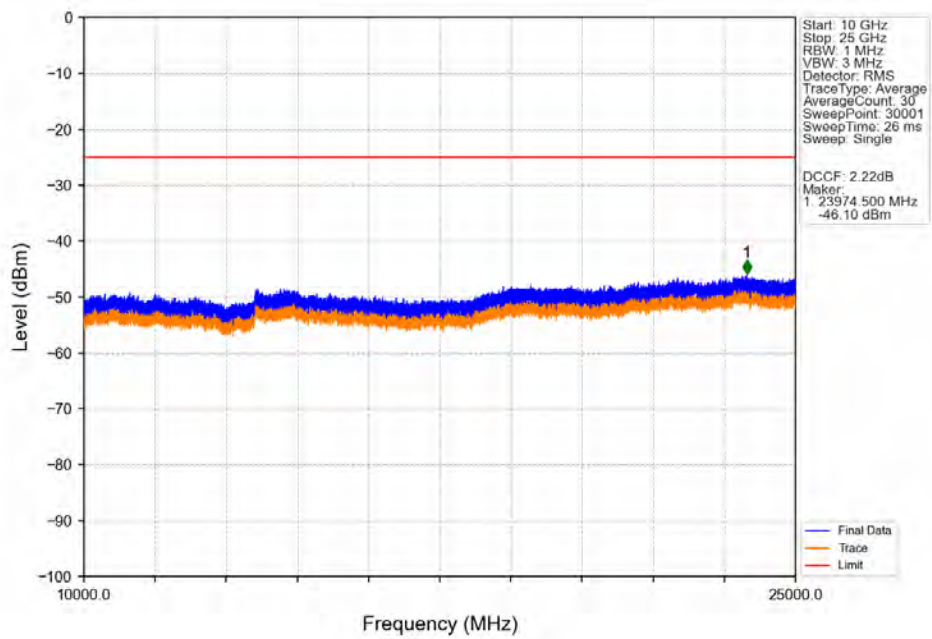


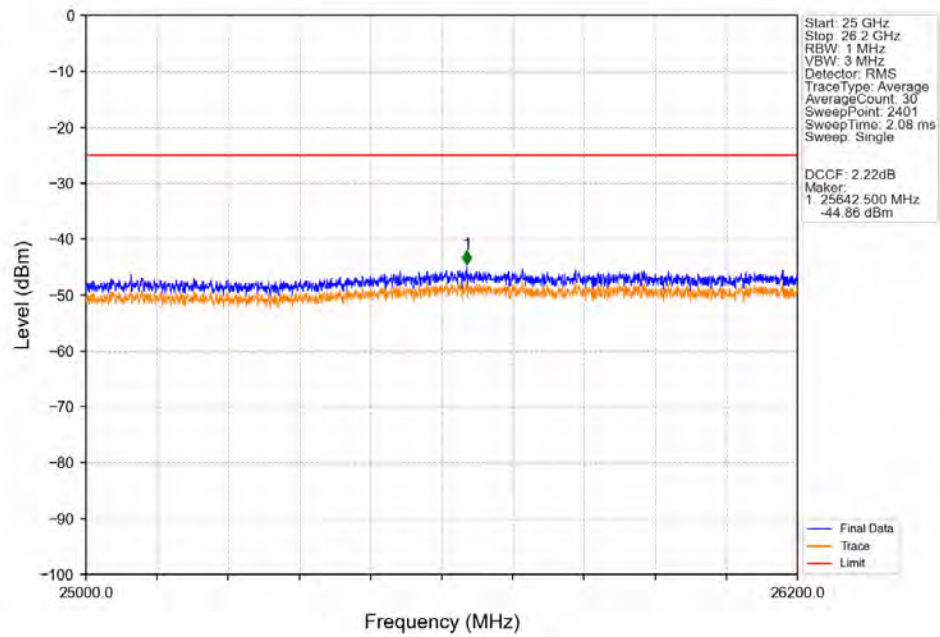
Band38 15MHz 16QAM LCH 2577.5MHz RB 1 0 NTNV



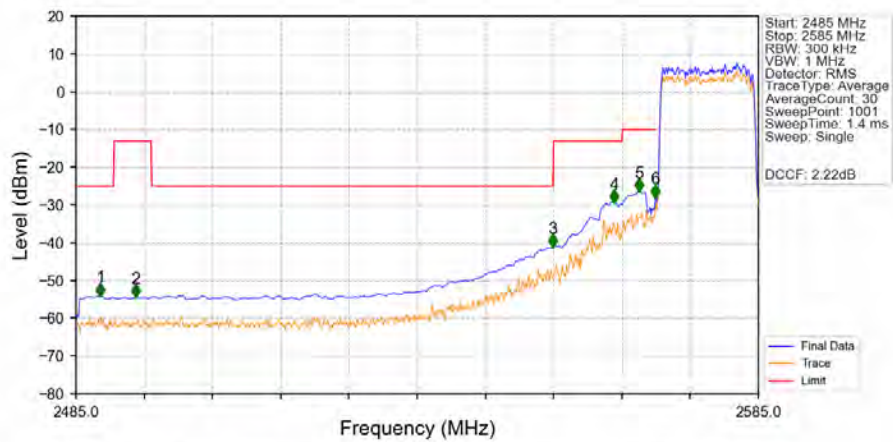
Band38 15MHz 16QAM LCH 2577.5MHz RB 1 0 NTNV



Band38 15MHz 16QAM LCH 2577.5MHz RB 1 0 NTNV

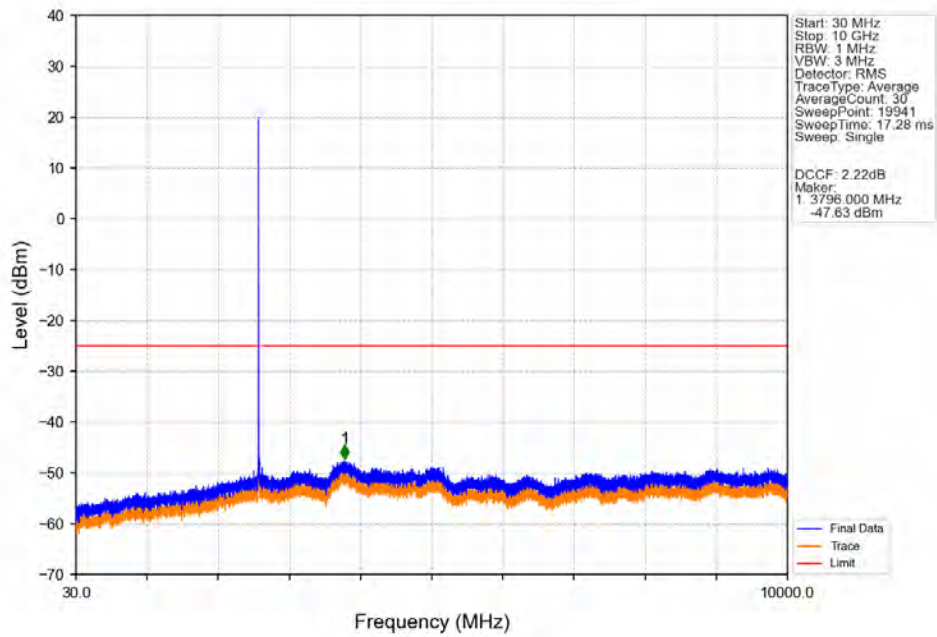


Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV

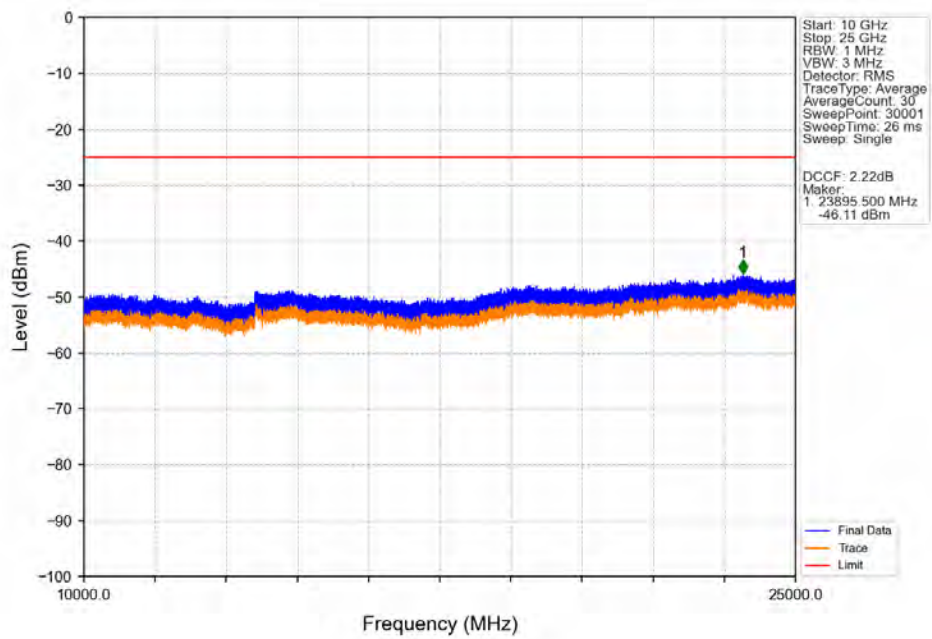


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.600	-53.91	-25	Pass
2490.5	2496	1	CHP	2	2493.800	-54.30	-13	Pass
2496	2554.976	1	CHP	3	2554.900	-41.04	-25	Pass
2554.976	2565	1	CHP	4	2563.900	-29.22	-13	Pass
2565	2569	1	CHP	5	2567.500	-26.29	-10	Pass
2569	2570	0.3	/	6	2569.900	-27.84	-10	Pass
2570	2585	0.3	/	/	/	/	/	/

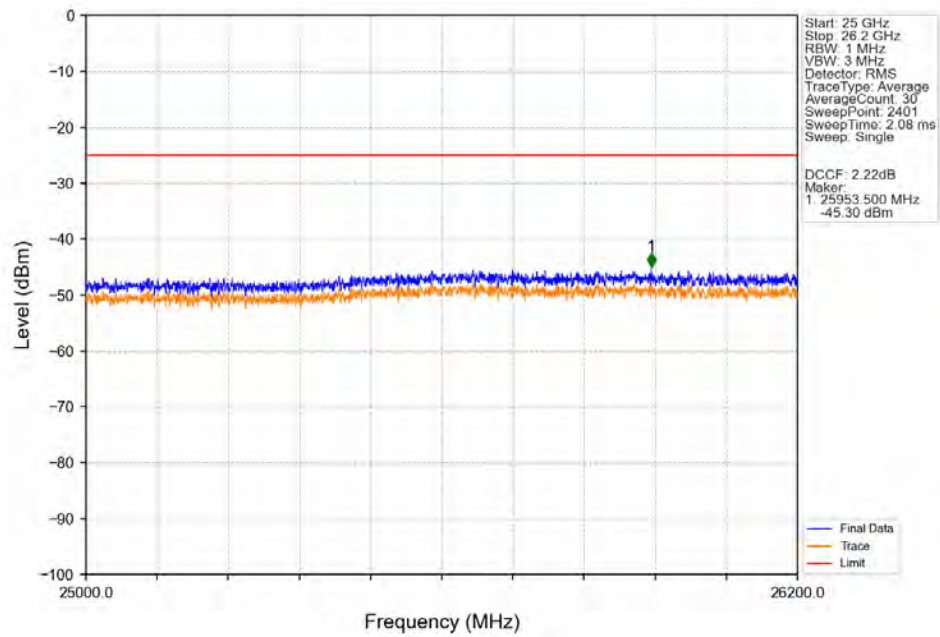
Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



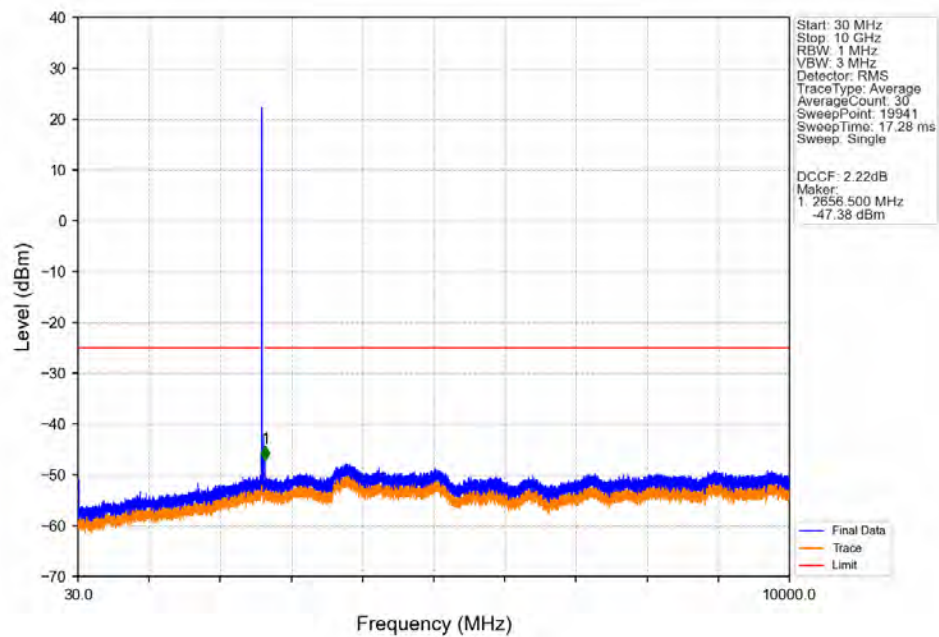
Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



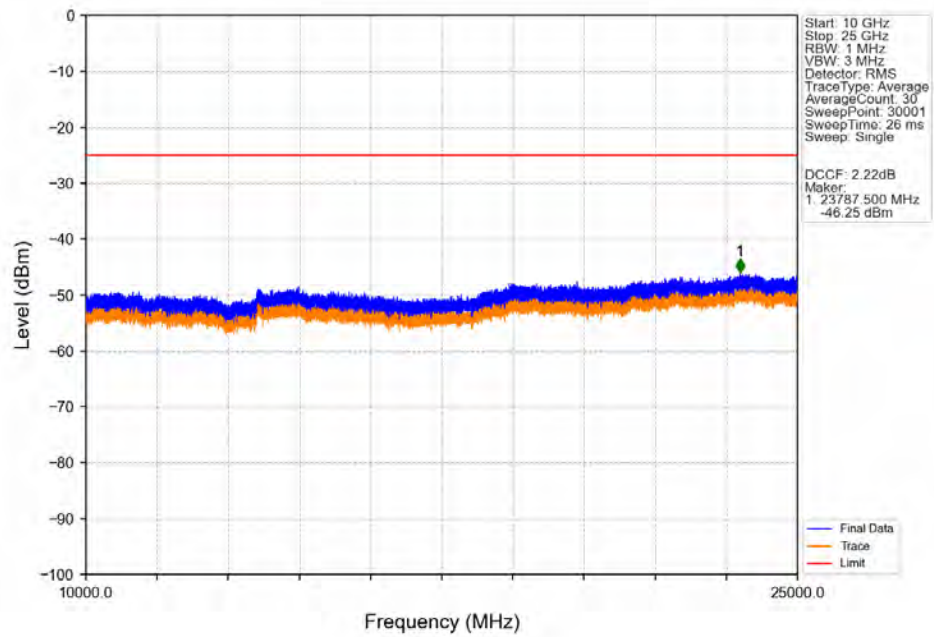
Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



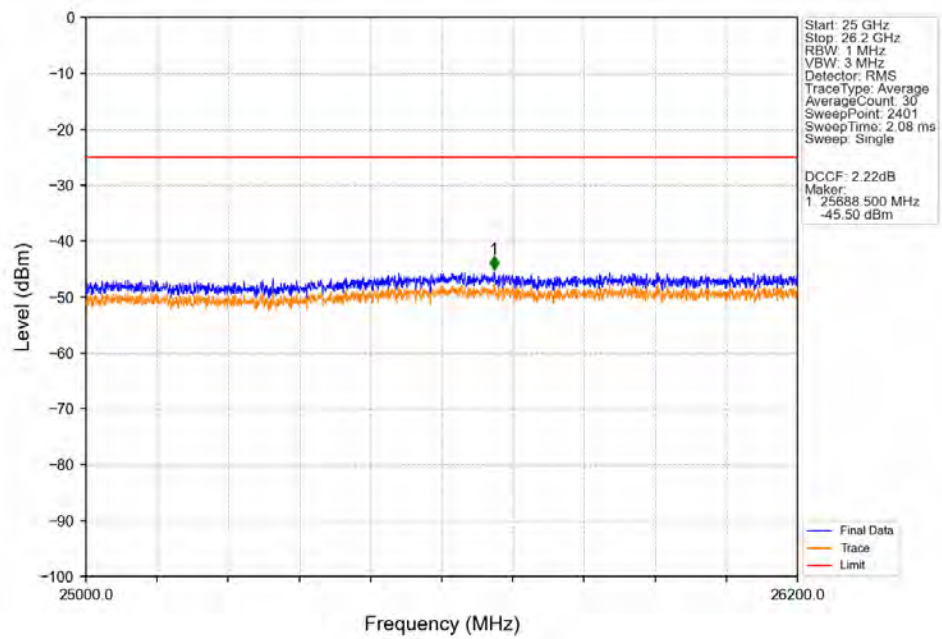
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_0_NTNV



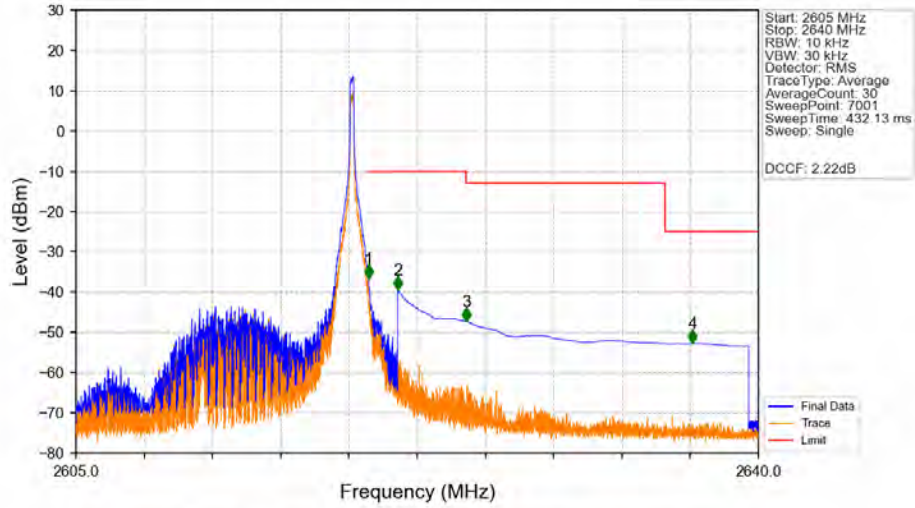
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_0_NTNV

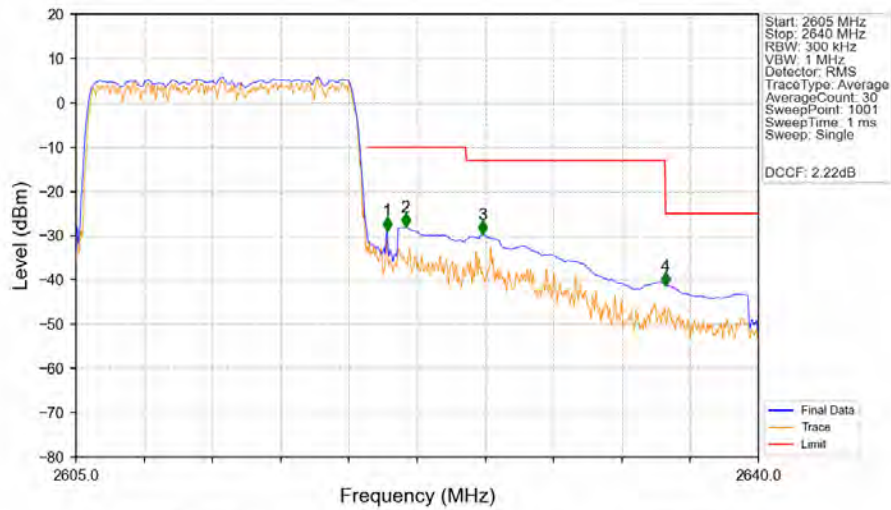


Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_74_NTNV



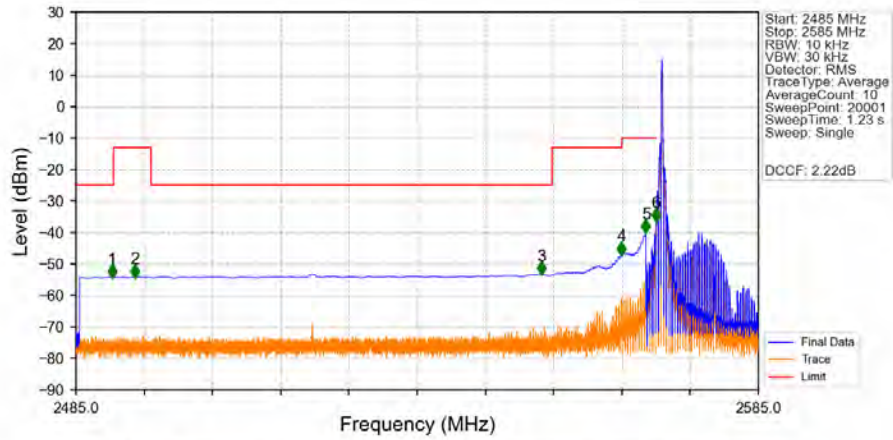
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-36.60	-10	Pass
2621	2625	1	CHP	2	2621.500	-39.54	-10	Pass
2625	2635.214	1	CHP	3	2625.025	-47.23	-13	Pass
2635.214	2640	1	CHP	4	2636.625	-52.77	-25	Pass

Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



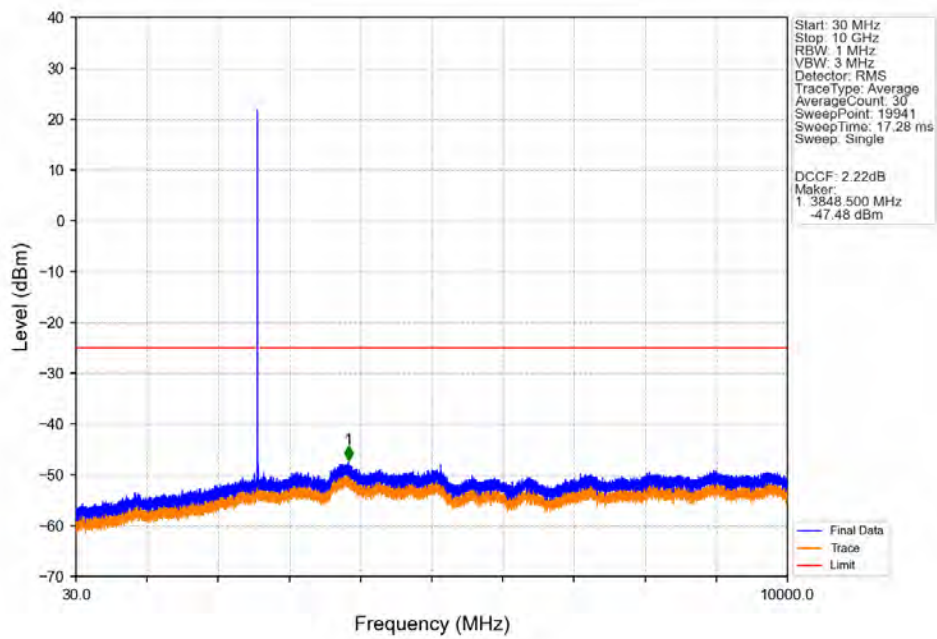
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.304	CHP	/	/	/	/	/
2620	2621	0.304	CHP	1	2620.960	-28.85	-10	Pass
2621	2625	1	CHP	2	2621.905	-28.09	-10	Pass
2625	2635.214	1	CHP	3	2625.860	-29.70	-13	Pass
2635.214	2640	1	CHP	4	2635.240	-41.33	-25	Pass

Band38 15MHz 64QAM LCH 2577.5MHz RB 1 0 NTNV

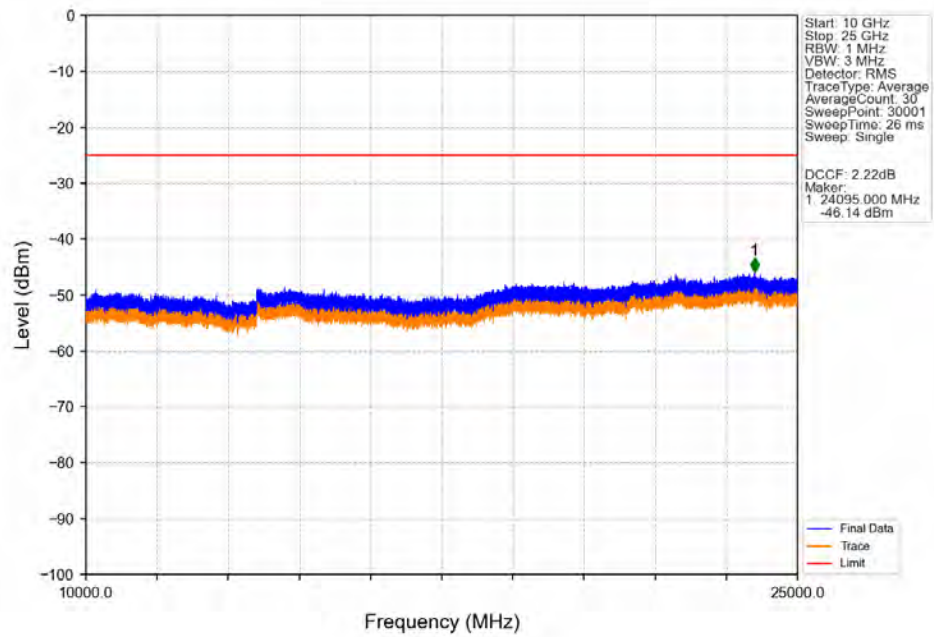


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.305	-54.18	-25	Pass
2490.5	2496	1	CHP	2	2493.595	-54.13	-13	Pass
2496	2554.764	1	CHP	3	2553.180	-53.15	-25	Pass
2554.764	2565	1	CHP	4	2564.945	-46.91	-13	Pass
2565	2569	1	CHP	5	2568.500	-39.84	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-36.35	-10	Pass
2570	2585	0.02	CHP	/	/	/	/	/

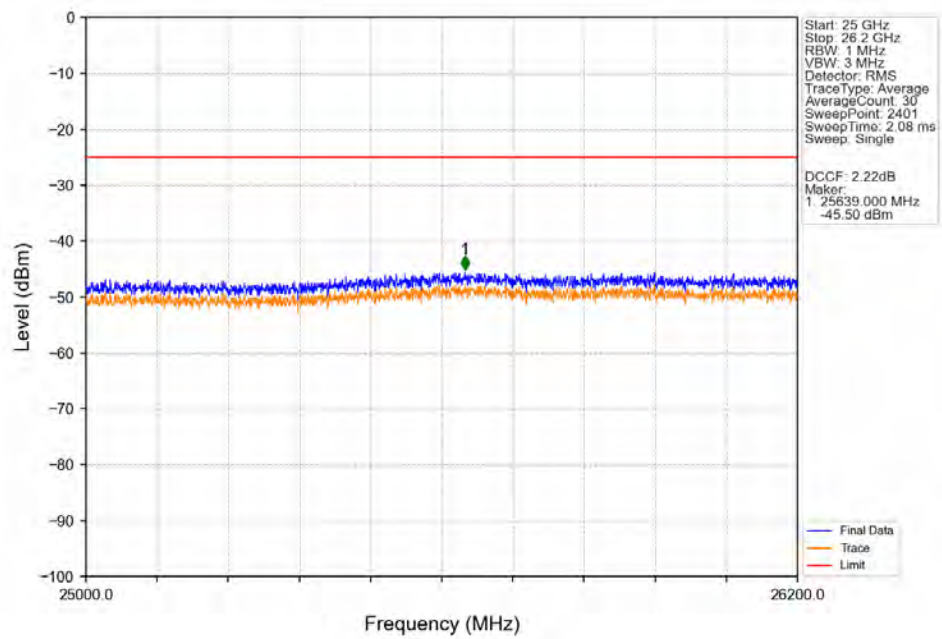
Band38 15MHz 64QAM LCH 2577.5MHz RB 1 0 NTNV



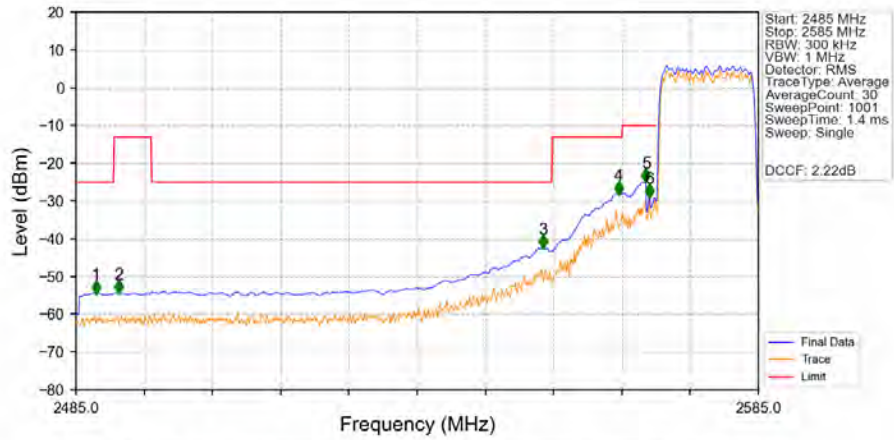
Band38 15MHz 64QAM LCH 2577.5MHz RB 1 0 NTNV



Band38 15MHz 64QAM LCH 2577.5MHz RB 1 0 NTNV

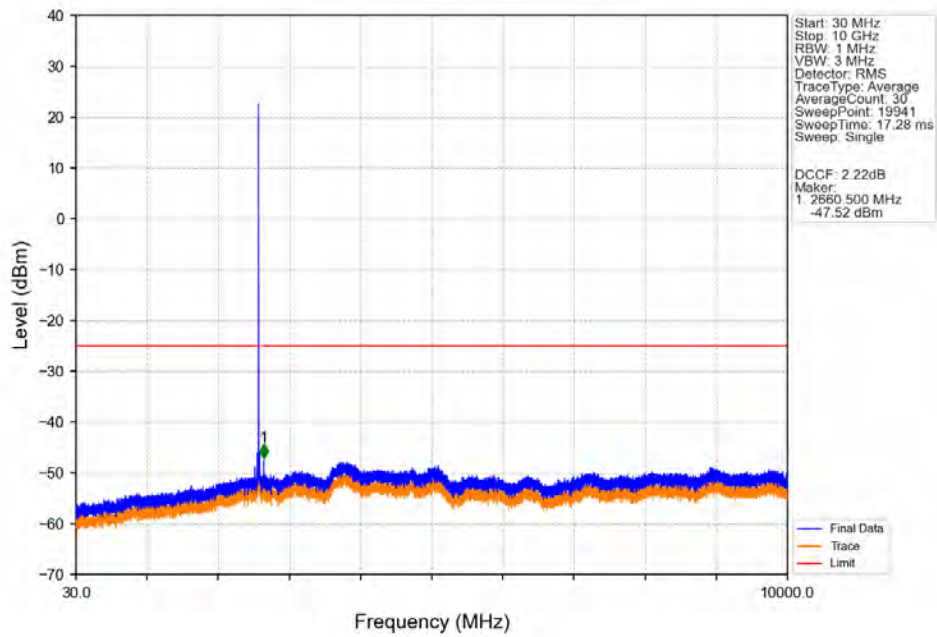


Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV

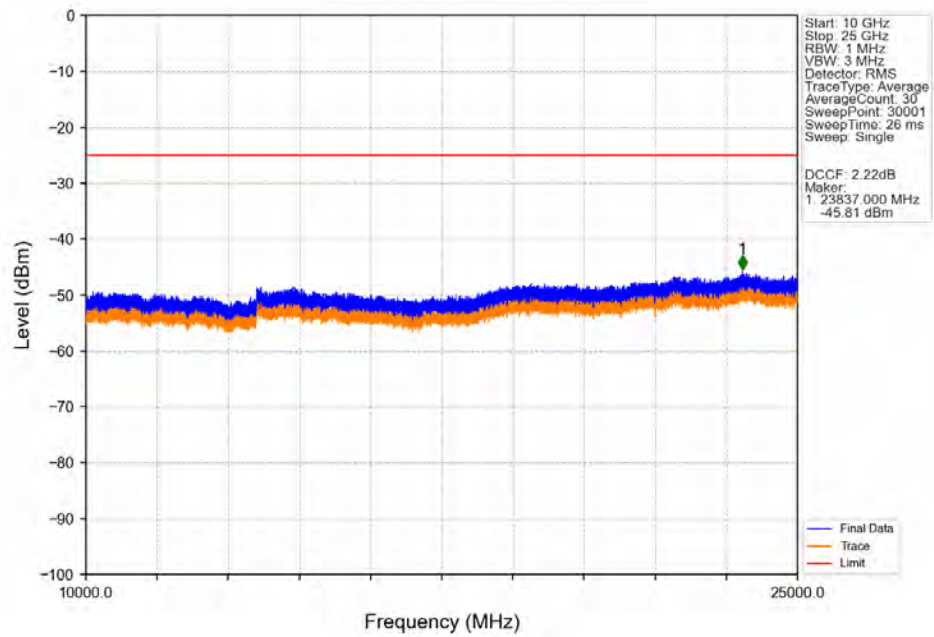


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.900	-54.34	-25	Pass
2490.5	2496	1	CHP	2	2491.300	-54.32	-13	Pass
2496	2554.764	1	CHP	3	2553.400	-42.34	-25	Pass
2554.764	2565	1	CHP	4	2564.500	-28.07	-13	Pass
2565	2569	1	CHP	5	2568.500	-24.84	-10	Pass
2569	2570	0.305	CHP	6	2569.100	-28.91	-10	Pass
2570	2585	0.305	CHP	/	/	/	/	/

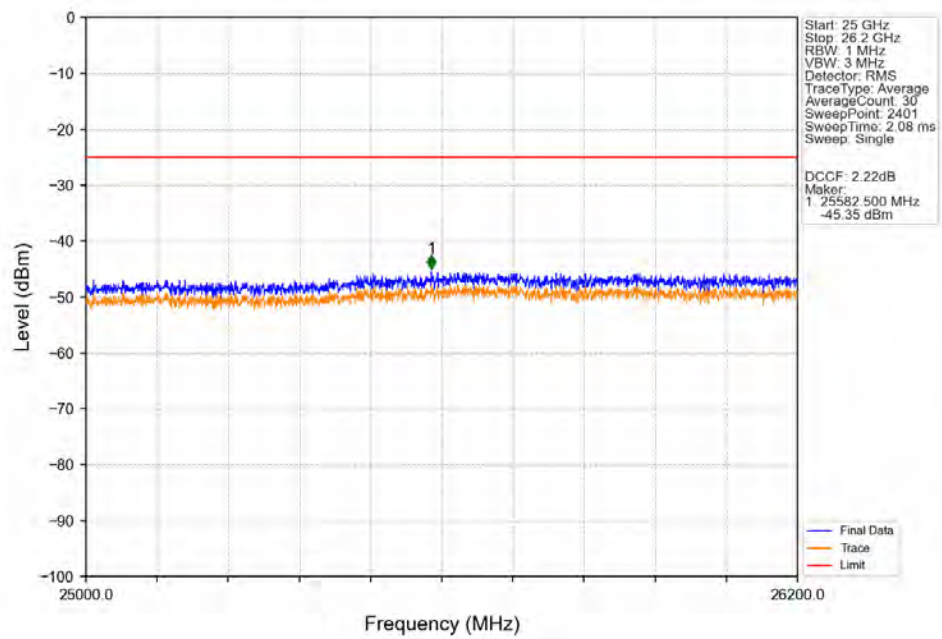
Band38_15MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV



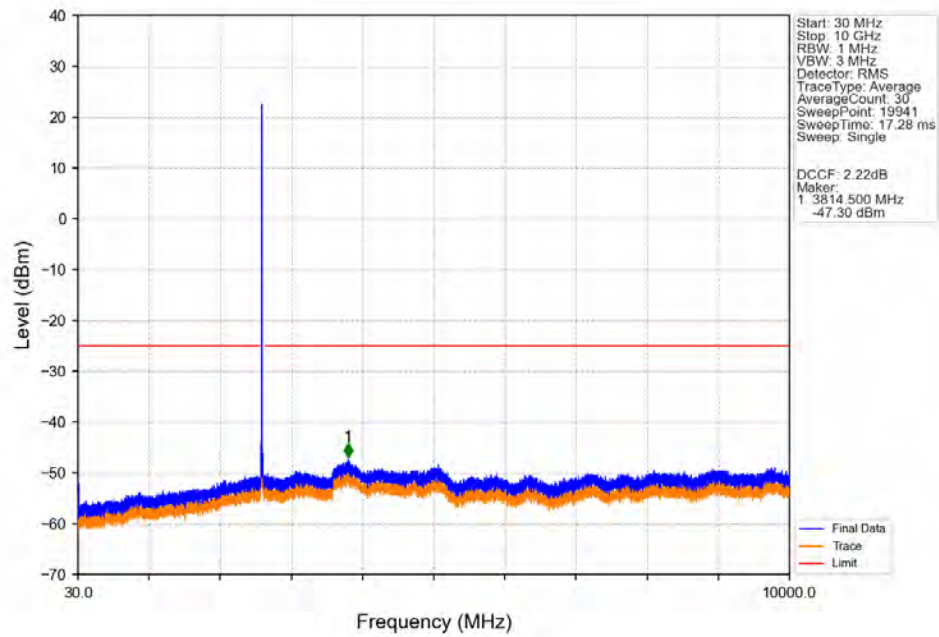
Band38_15MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV



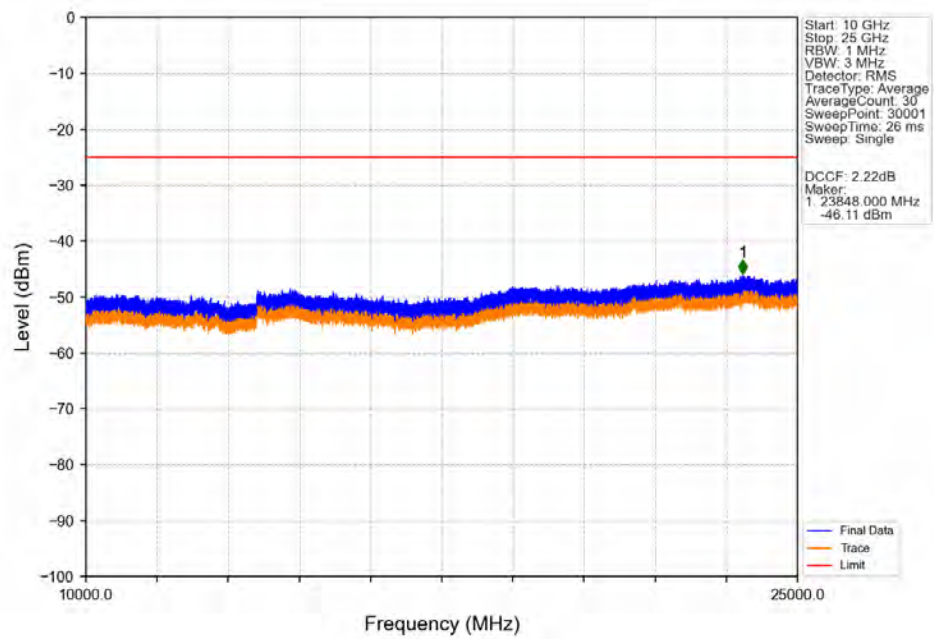
Band38_15MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV



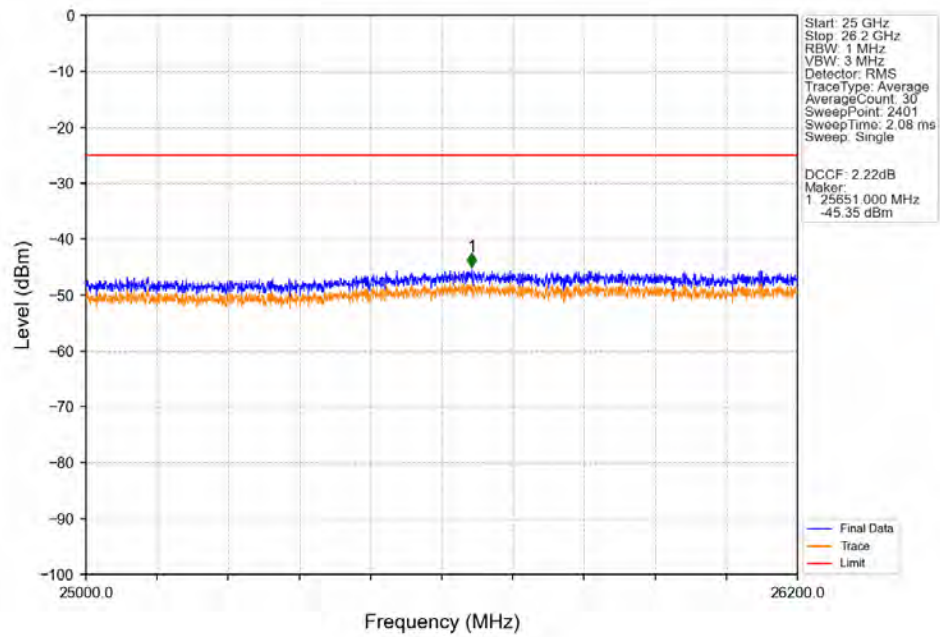
Band38 15MHz 64QAM HCH 2612.5MHz RB 1 0 NTNV



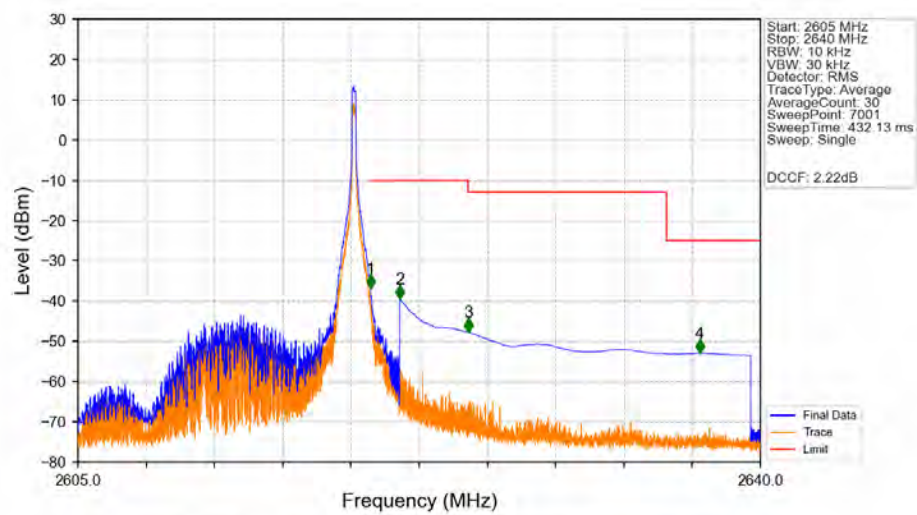
Band38 15MHz 64QAM HCH 2612.5MHz RB 1 0 NTNV



Band38 15MHz 64QAM HCH 2612.5MHz RB 1 0 NTN

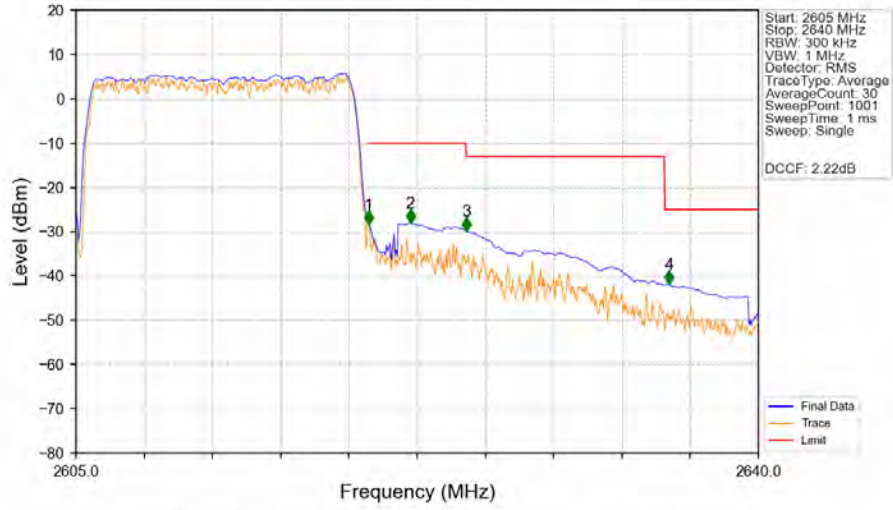


Band38_15MHz_64QAM_HCH_2612.5MHz_RB_1_74_NTN



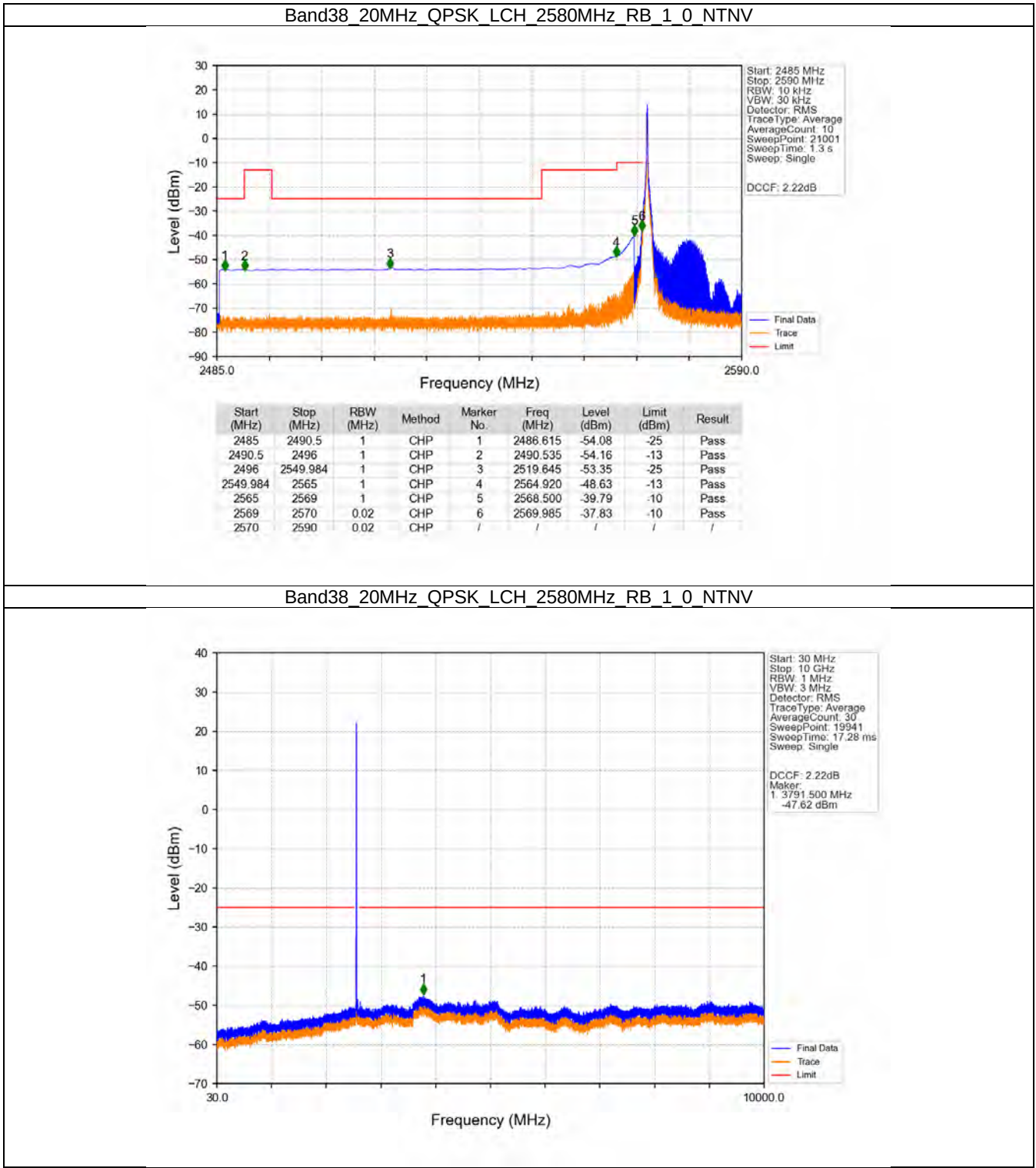
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-36.81	-10	Pass
2621	2625	1	CHP	2	2621.500	-39.40	-10	Pass
2625	2635.188	1	CHP	3	2625.005	-47.65	-13	Pass
2635.188	2640	1	CHP	4	2636.895	-52.91	-25	Pass

Band38 15MHz 64QAM HCH 2612.5MHz RB 75 0 NTN

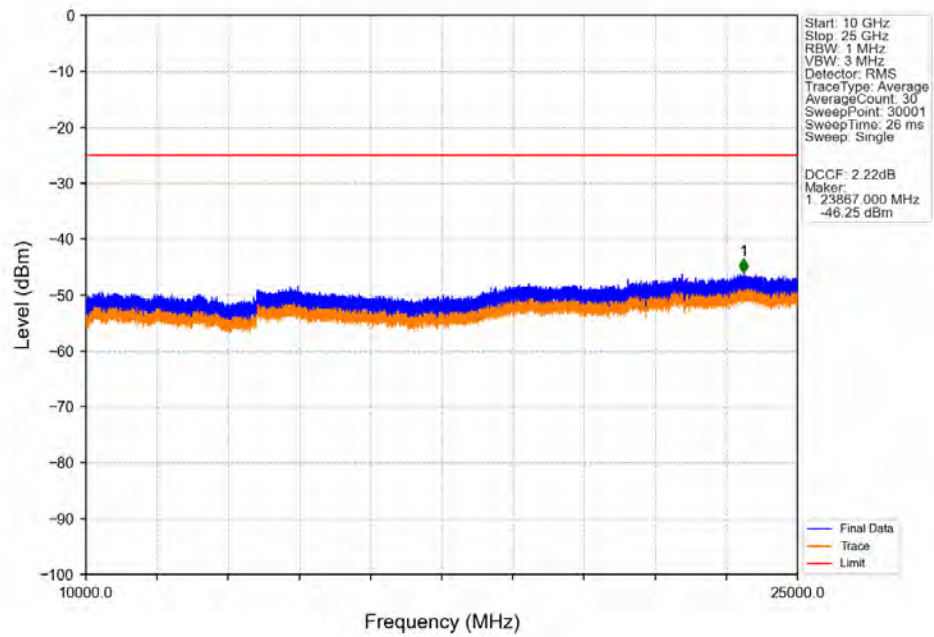


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.304	CHP	/	/	/	/	/
2620	2621	0.304	CHP	1	2620.015	-28.39	-10	Pass
2621	2625	1	CHP	2	2622.150	-28.08	-10	Pass
2625	2635.188	1	CHP	3	2625.020	-29.88	-13	Pass
2635.188	2640	1	CHP	4	2635.415	-41.91	-25	Pass

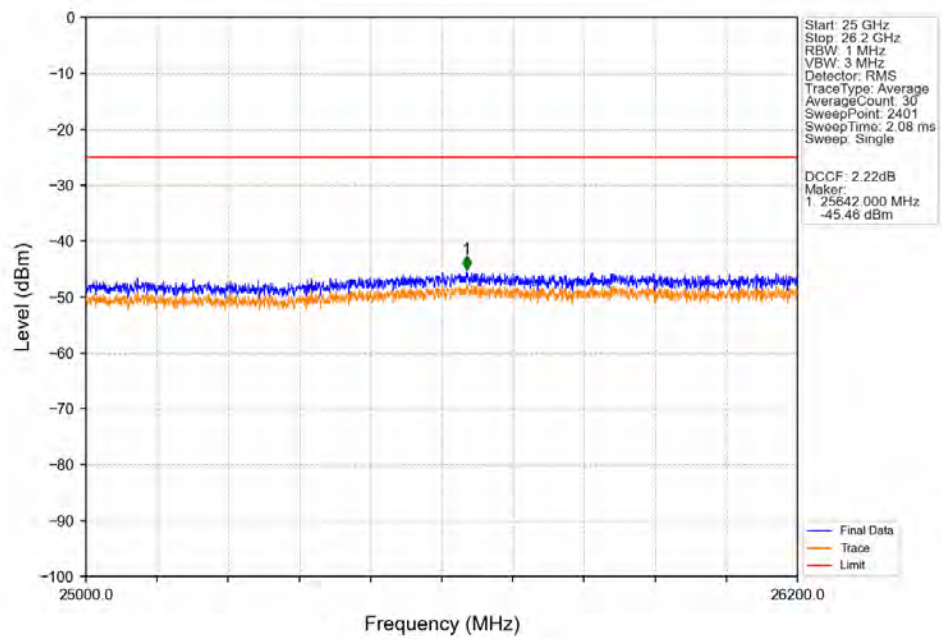
5.2.4 B38_20MHz



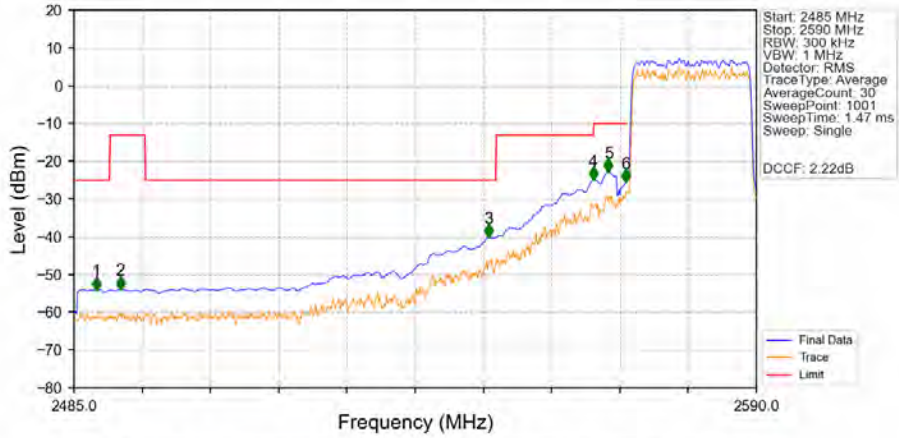
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN



Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN

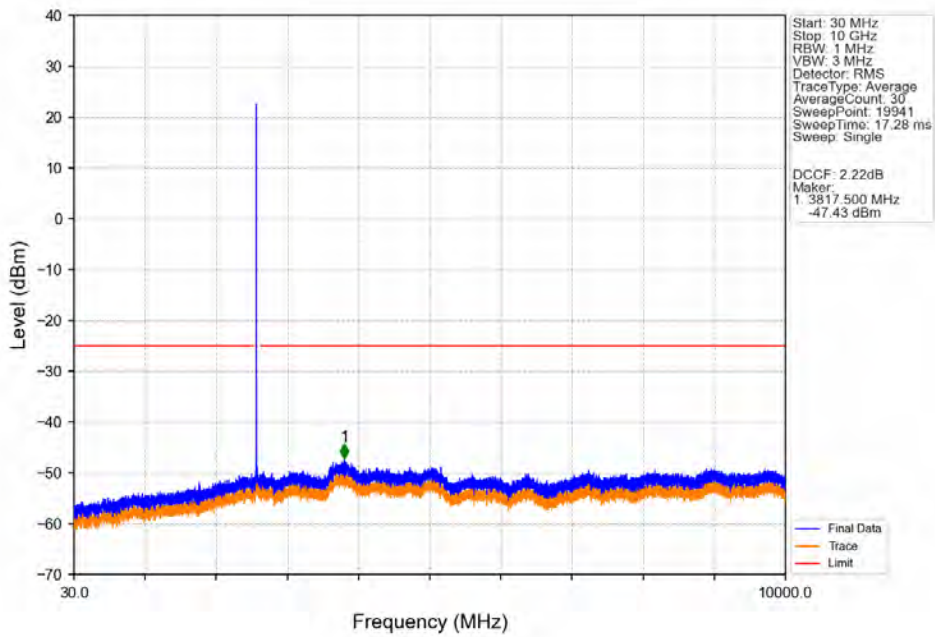


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

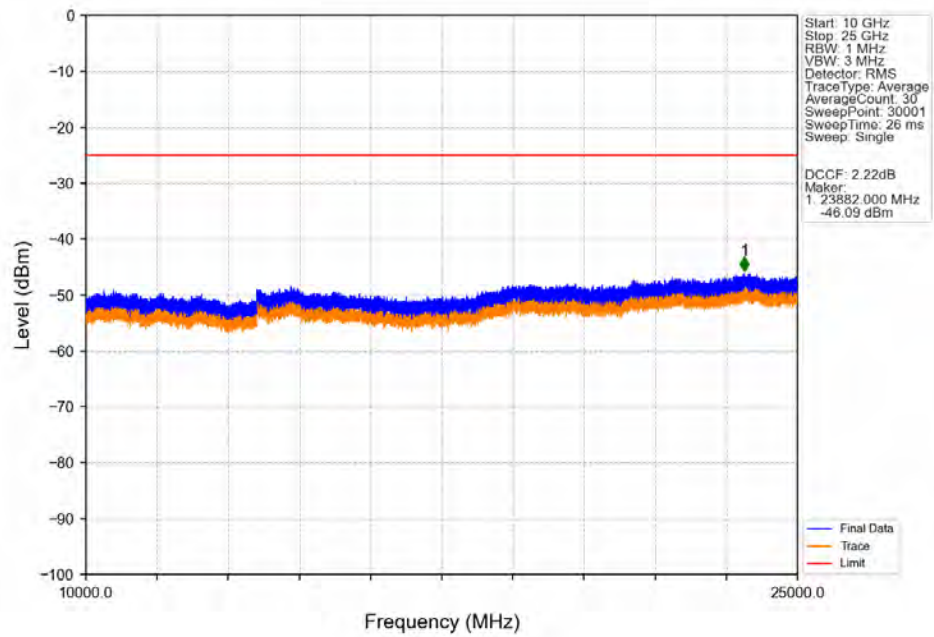


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.465	-53.95	-25	Pass
2490.5	2496	1	CHP	2	2492.140	-53.71	-13	Pass
2496	2549.984	1	CHP	3	2548.735	-39.91	-25	Pass
2549.984	2565	1	CHP	4	2564.905	-24.75	-13	Pass
2565	2569	1	CHP	5	2567.215	-22.59	-10	Pass
2569	2570	0.4	CHP	6	2569.945	-25.46	-10	Pass
2570	2590	0.4	CHP	/	/	/	/	/

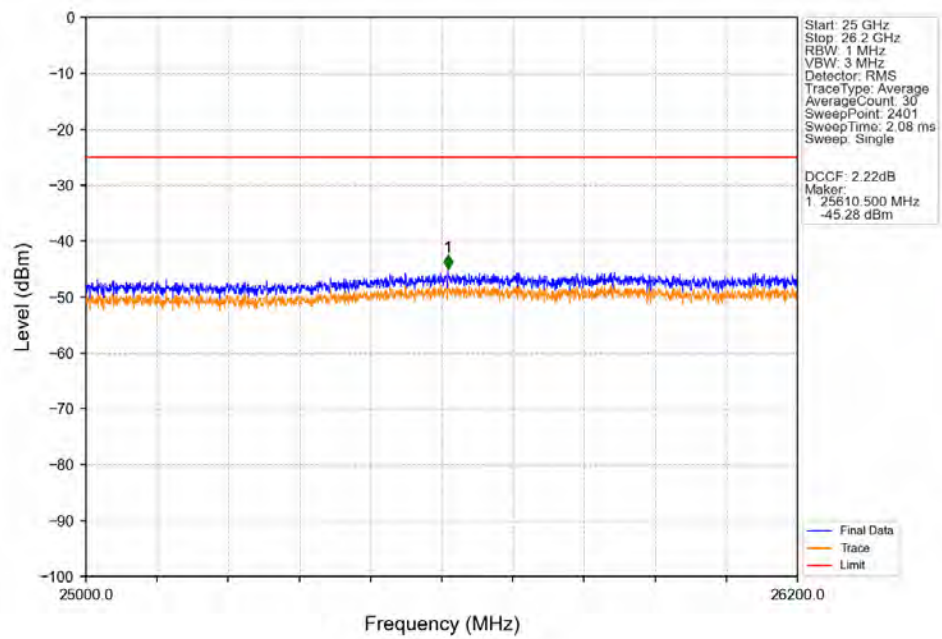
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



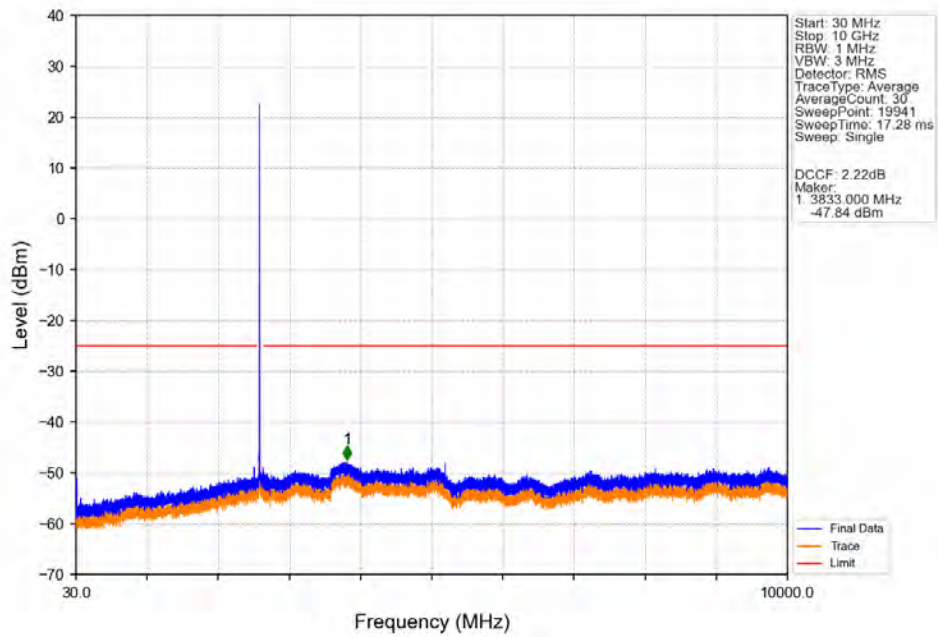
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



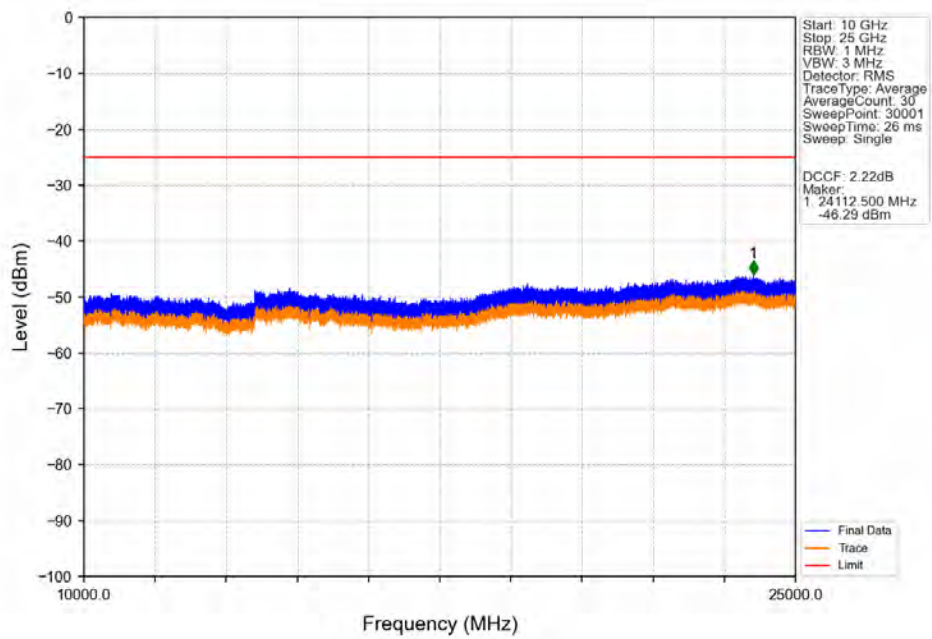
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTV



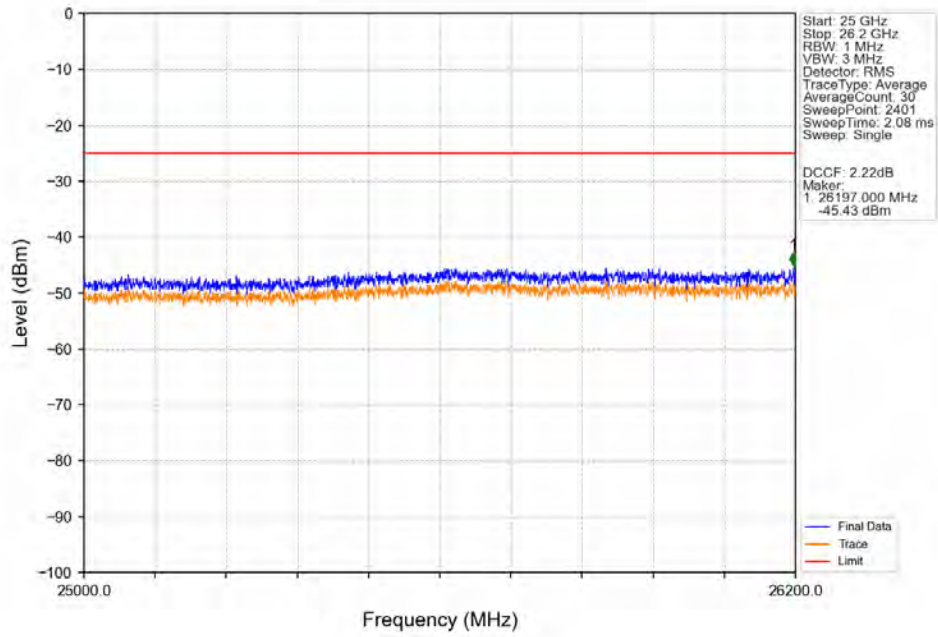
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



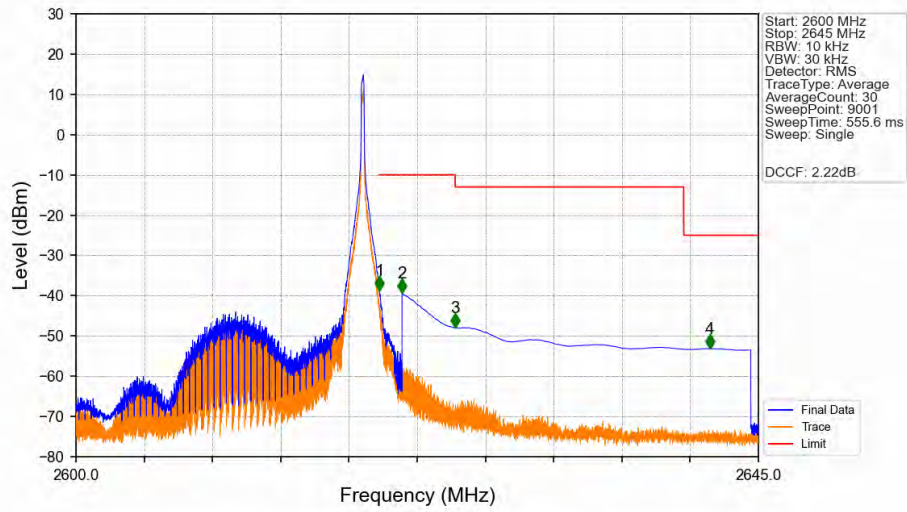
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV

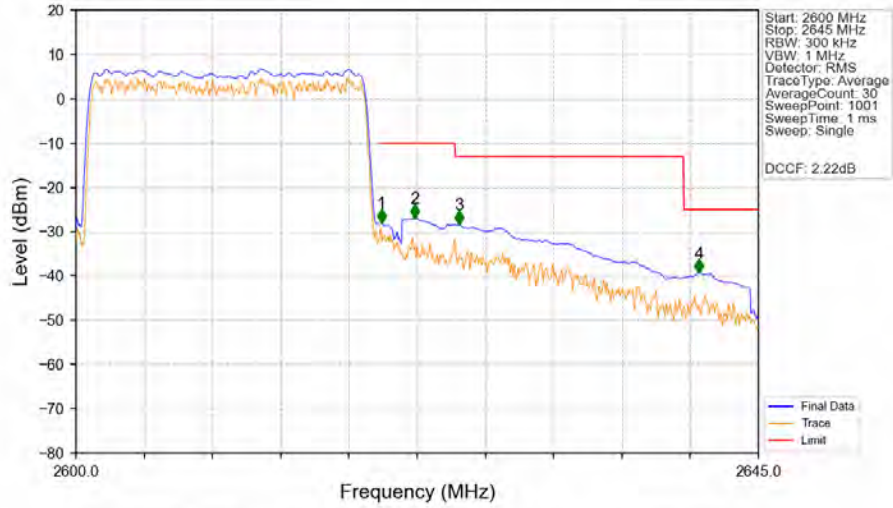


Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV



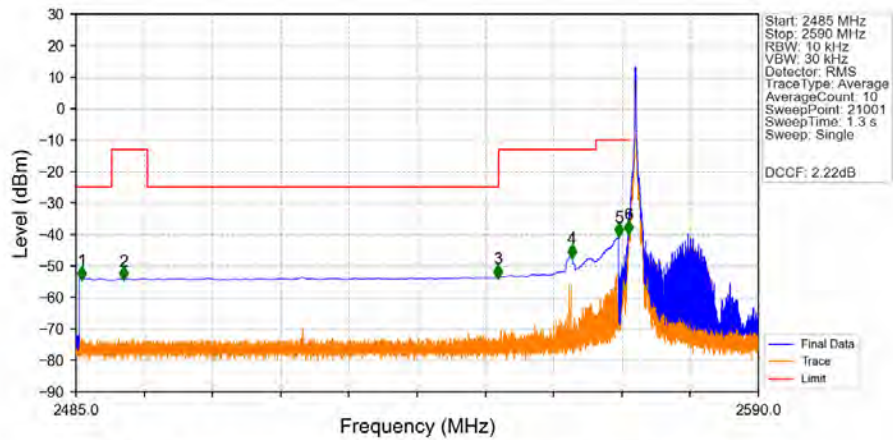
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-38.58	-10	Pass
2621	2625	1	CHP	2	2621.500	-39.24	-10	Pass
2625	2640.072	1	CHP	3	2625.020	-47.92	-13	Pass
2640.072	2645	1	CHP	4	2641.795	-53.15	-25	Pass

Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTV



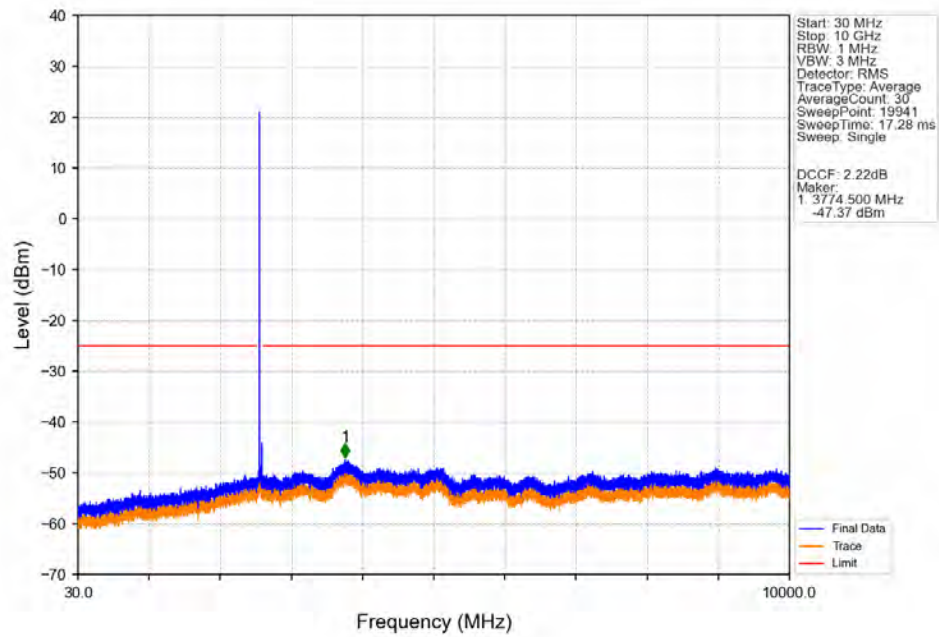
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.401	CHP	/	/	/	/	/
2620	2621	0.401	CHP	1	2620.160	-28.07	-10	Pass
2621	2625	1	CHP	2	2622.365	-26.94	-10	Pass
2625	2640.072	1	CHP	3	2625.290	-28.36	-13	Pass
2640.072	2645	1	CHP	4	2641.085	-39.35	-25	Pass

Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTV

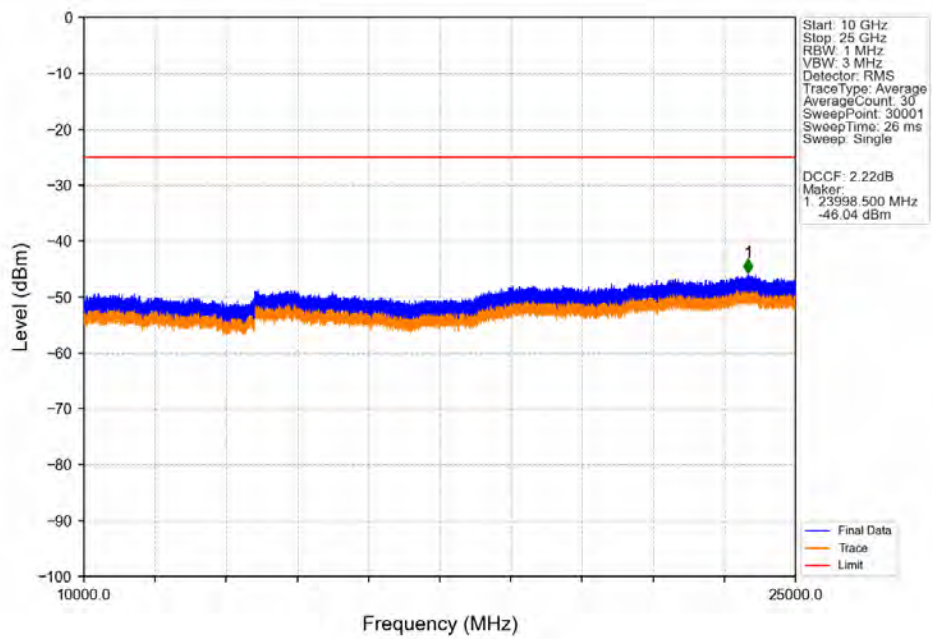


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.880	-54.08	-25	Pass
2490.5	2496	1	CHP	2	2492.345	-54.19	-13	Pass
2496	2550.034	1	CHP	3	2549.960	-53.59	-25	Pass
2550.034	2565	1	CHP	4	2561.290	-47.23	-13	Pass
2565	2569	1	CHP	5	2568.500	-40.35	-10	Pass
2569	2570	0.02	CHP	6	2569.965	-39.50	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

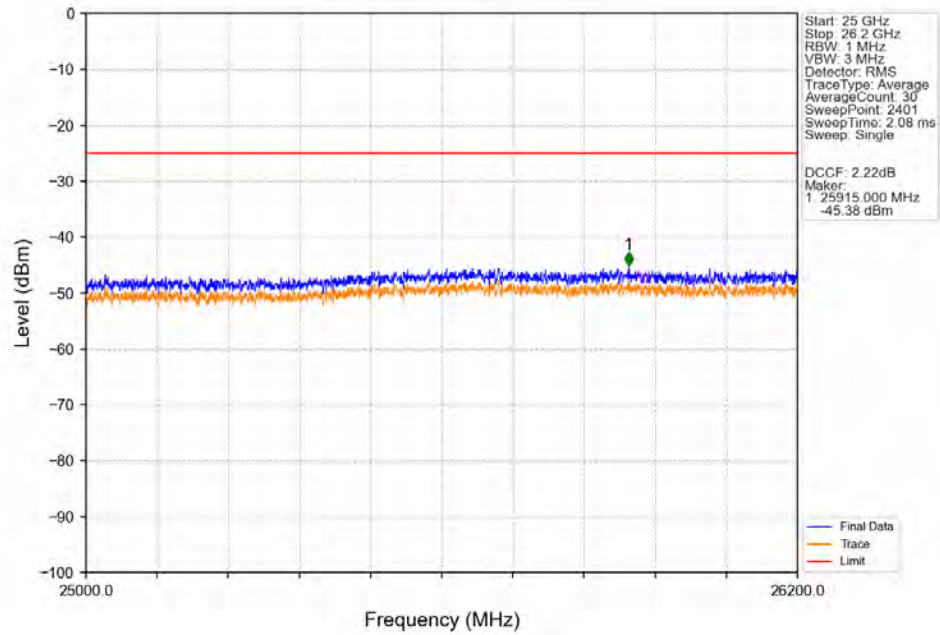
Band38 20MHz 16QAM LCH 2580MHz RB 1 0 NTNV



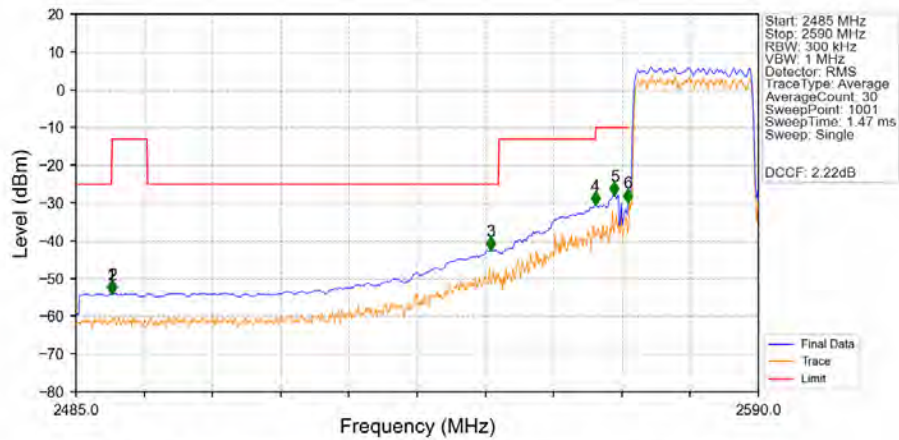
Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



Band38 20MHz 16QAM LCH 2580MHz RB 1 0 NTN

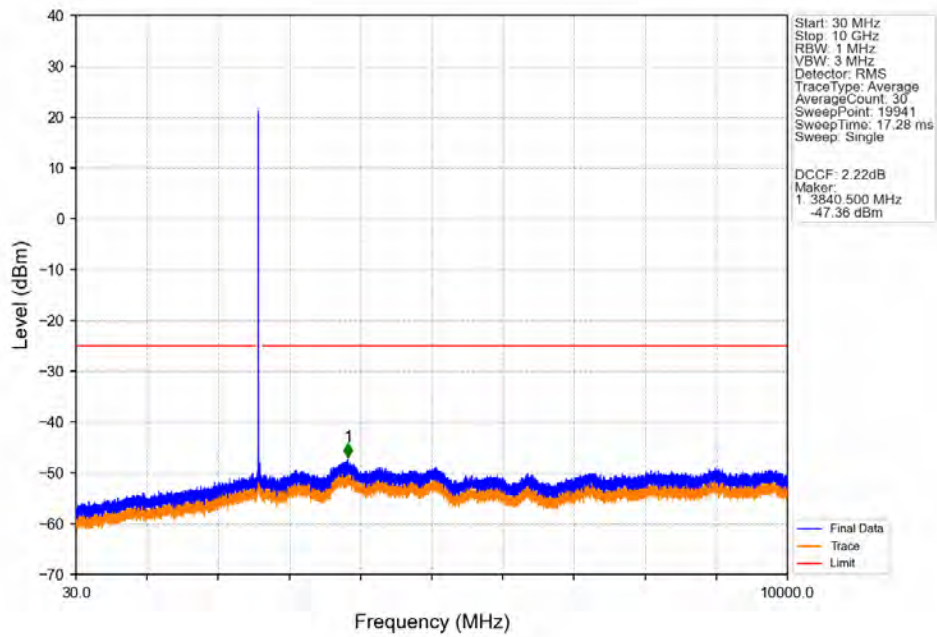


Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV

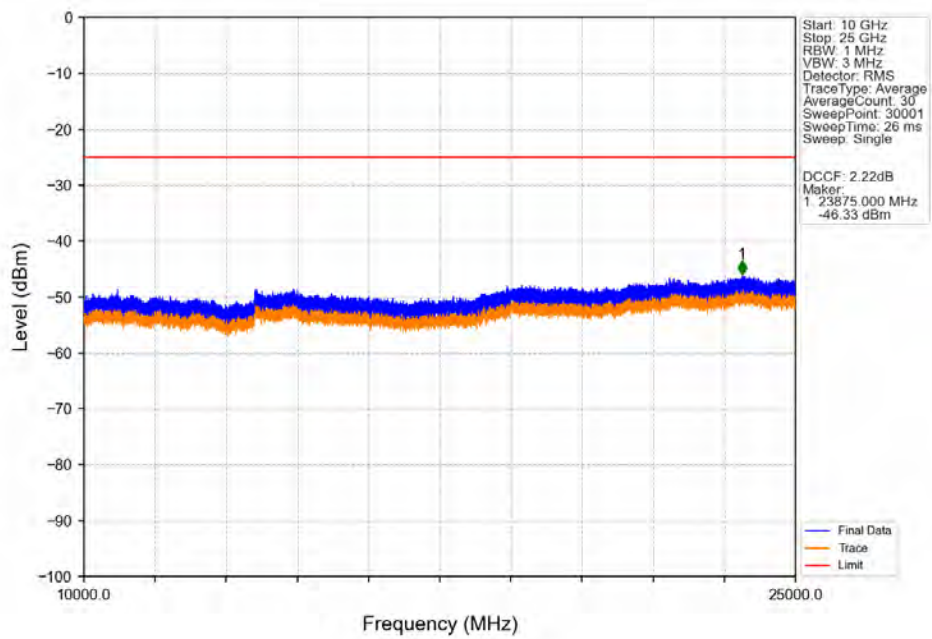


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.460	-53.88	-25	Pass
2490.5	2496	1	CHP	2	2490.565	-53.85	-13	Pass
2496	2550.034	1	CHP	3	2548.840	-42.31	-25	Pass
2550.034	2565	1	CHP	4	2564.905	-30.36	-13	Pass
2565	2569	1	CHP	5	2567.845	-27.80	-10	Pass
2569	2570	0.399	CHP	6	2569.945	-29.59	-10	Pass
2570	2590	0.399	CHP	/	/	/	/	/

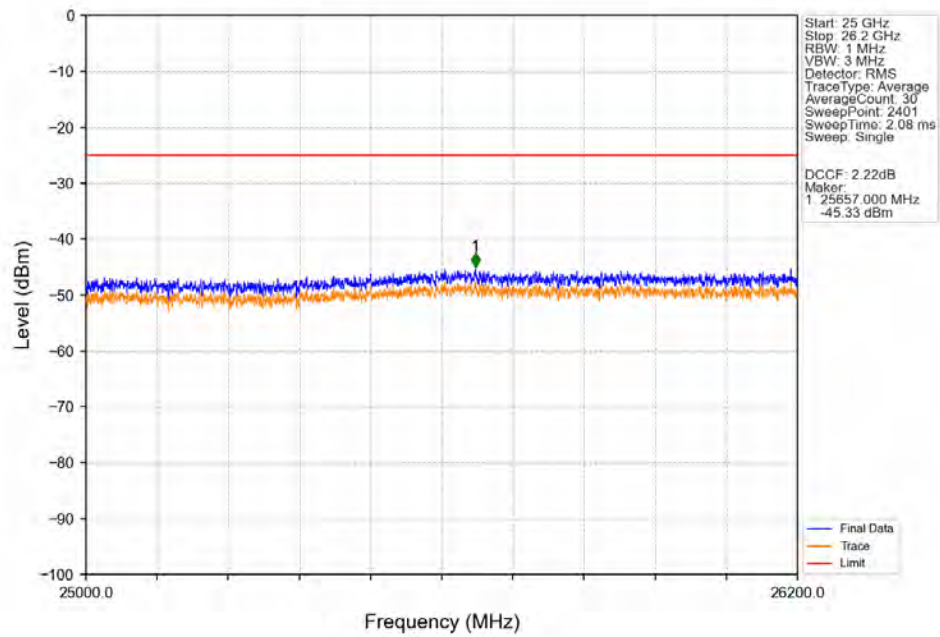
Band38_20MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



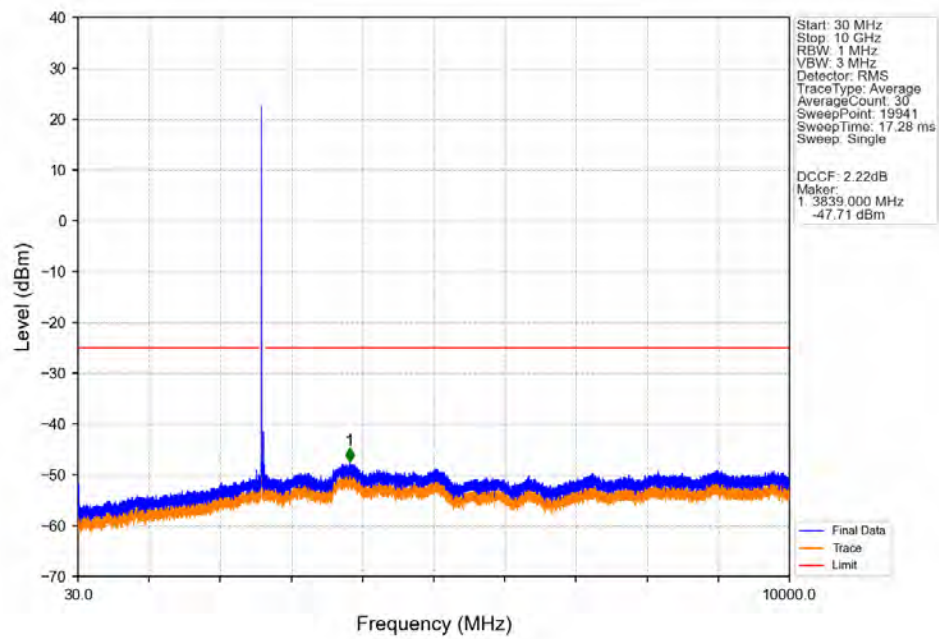
Band38_20MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



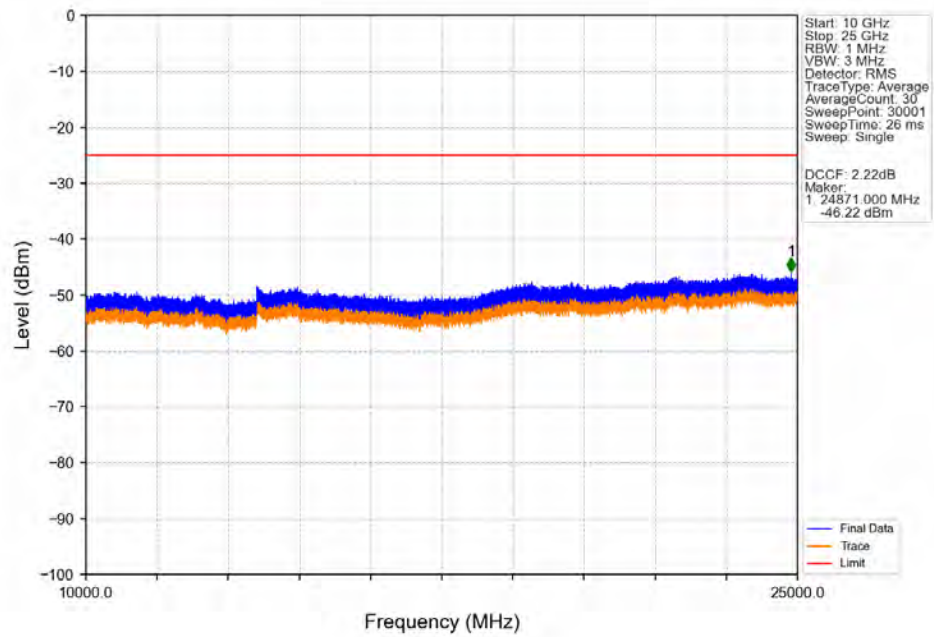
Band38_20MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



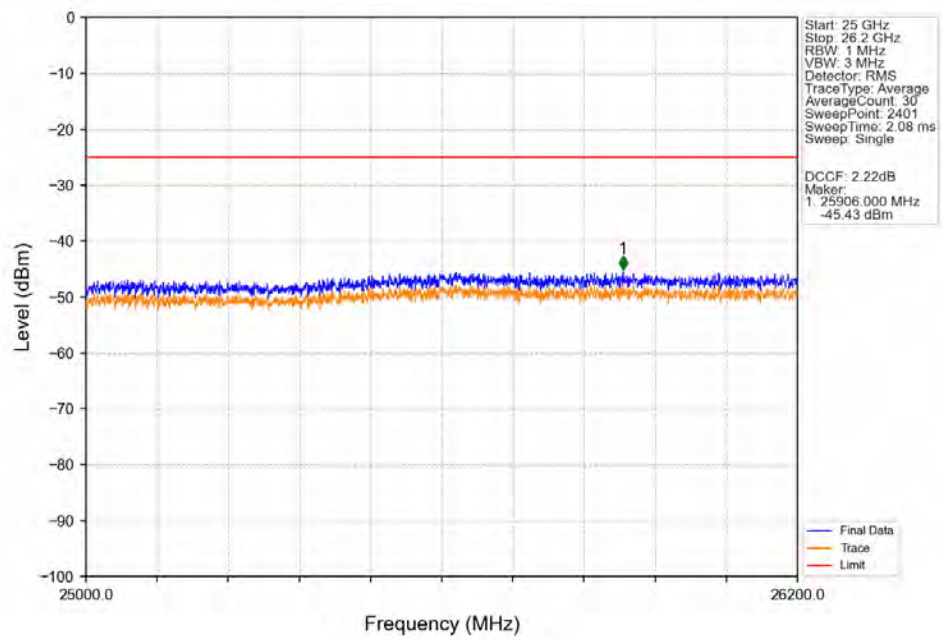
Band38_20MHz_16QAM_HCH_2610MHz_RB_1_0_NTNV



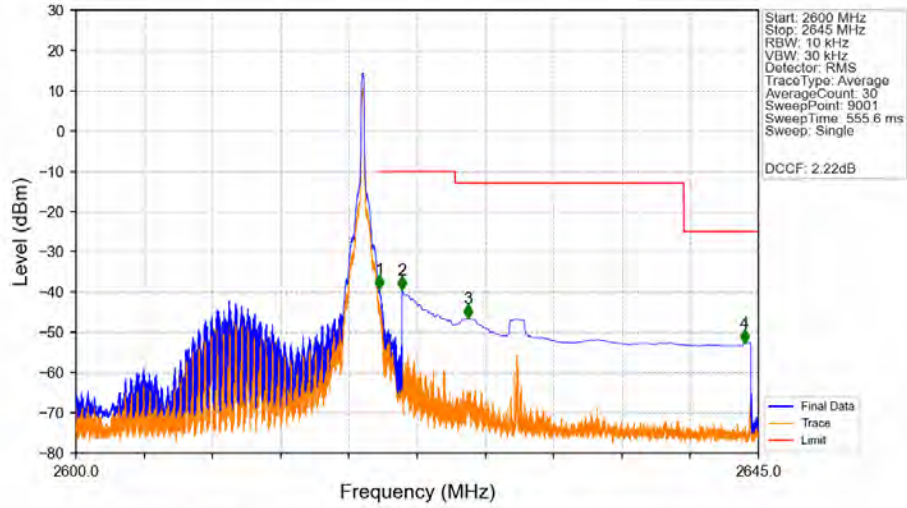
Band38_20MHz_16QAM_HCH_2610MHz_RB_1_0_NTNV



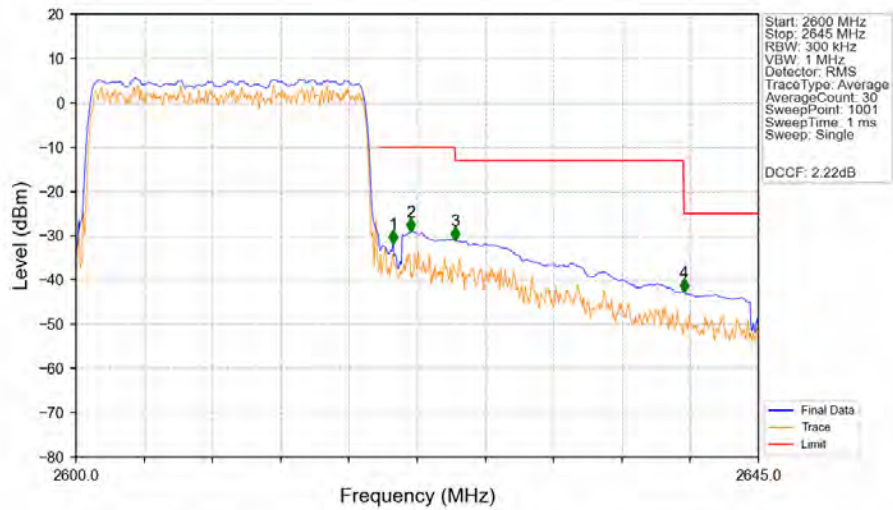
Band38_20MHz_16QAM_HCH_2610MHz_RB_1_0_NTNV



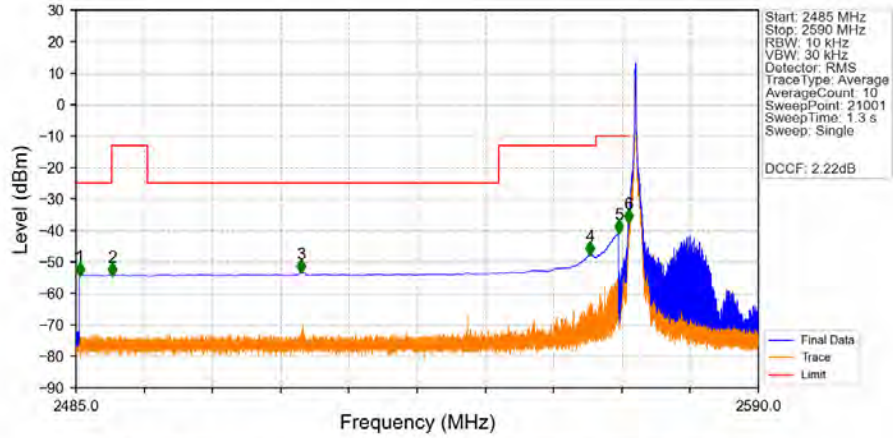
Band38 20MHz 16QAM HCH 2610MHz RB 1 99 NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV

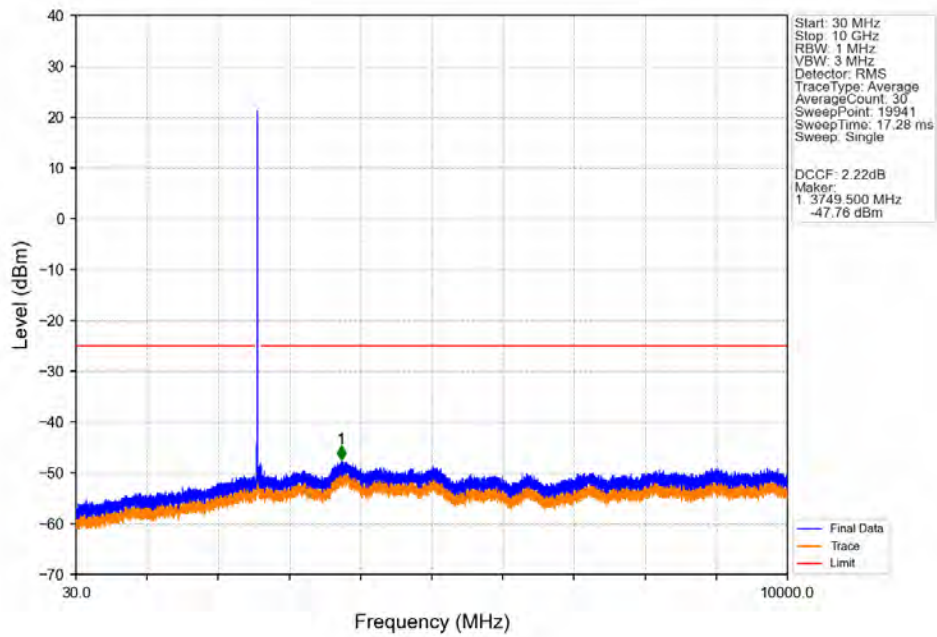


Band38 20MHz 64QAM LCH 2580MHz RB 1 0 NTNV

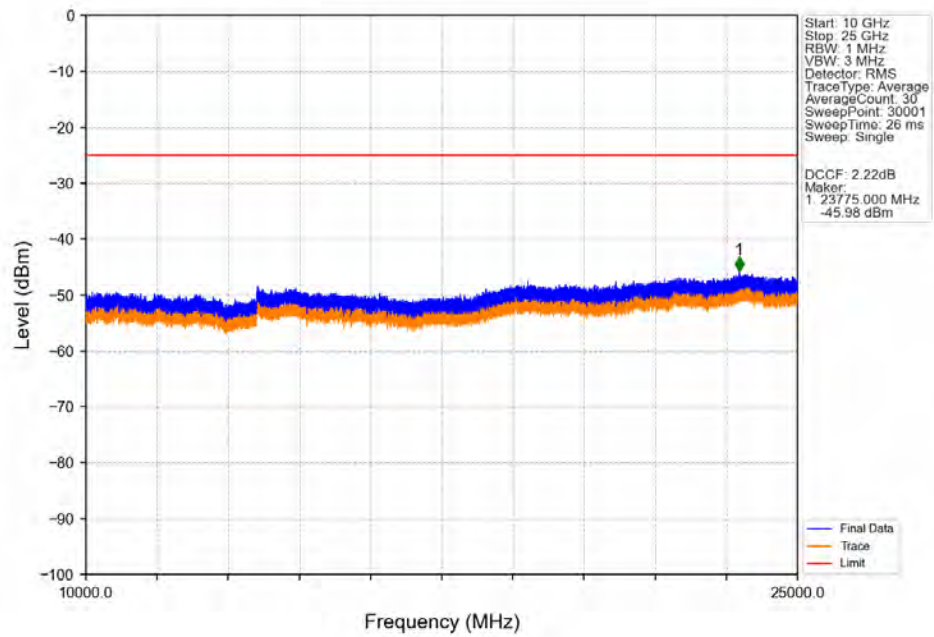


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.610	-54.10	-25	Pass
2490.5	2496	1	CHP	2	2490.590	-54.20	-13	Pass
2496	2550.042	1	CHP	3	2519.650	-53.30	-25	Pass
2550.042	2565	1	CHP	4	2564.105	-47.62	-13	Pass
2565	2569	1	CHP	5	2568.490	-40.68	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-37.37	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

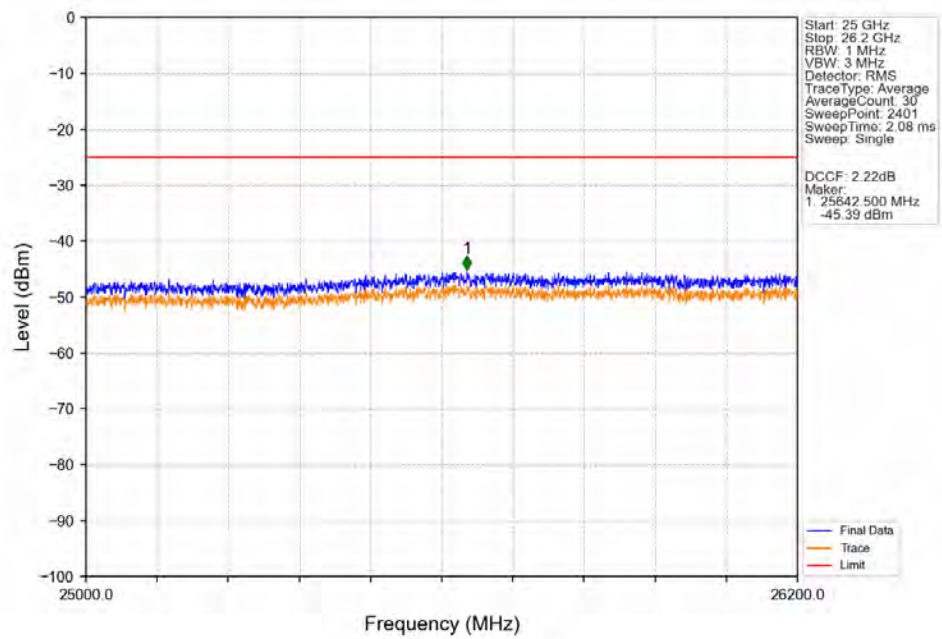
Band38_20MHz_64QAM_LCH_2580MHz_RB_1_0_NTNV



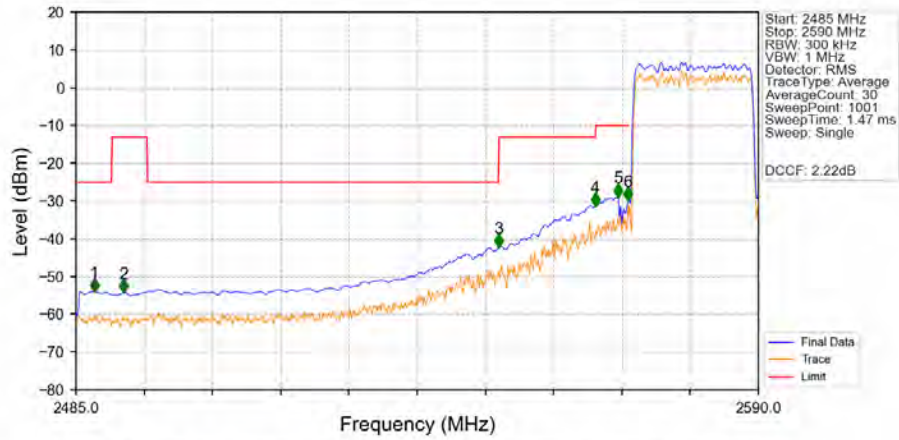
Band38 20MHz 64QAM LCH 2580MHz RB 1 0 NTNV



Band38_20MHz_64QAM_LCH_2580MHz_RB_1_0_NTNV

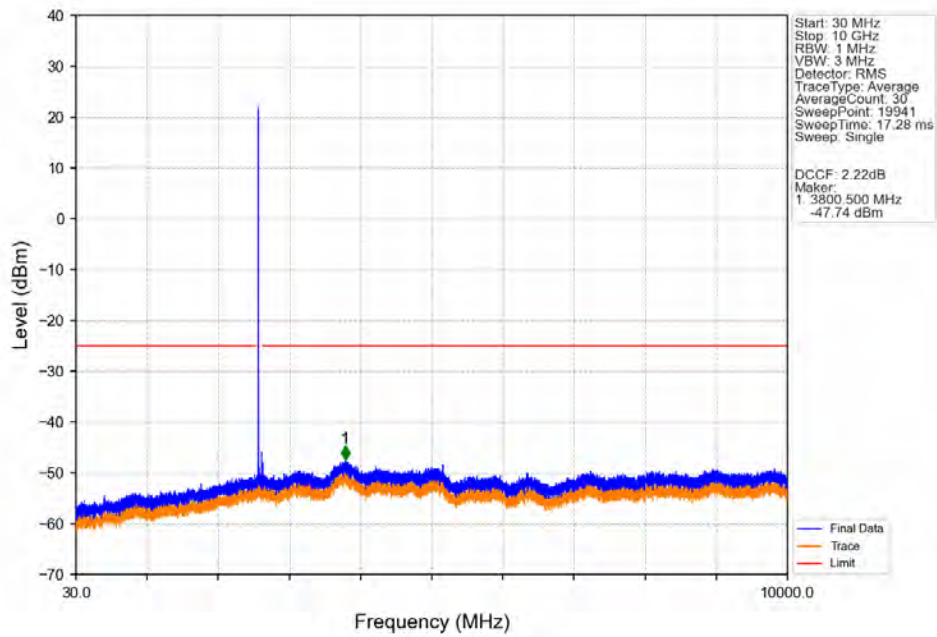


Band38 20MHz 64QAM LCH 2580MHz RB 100 0 NTNV

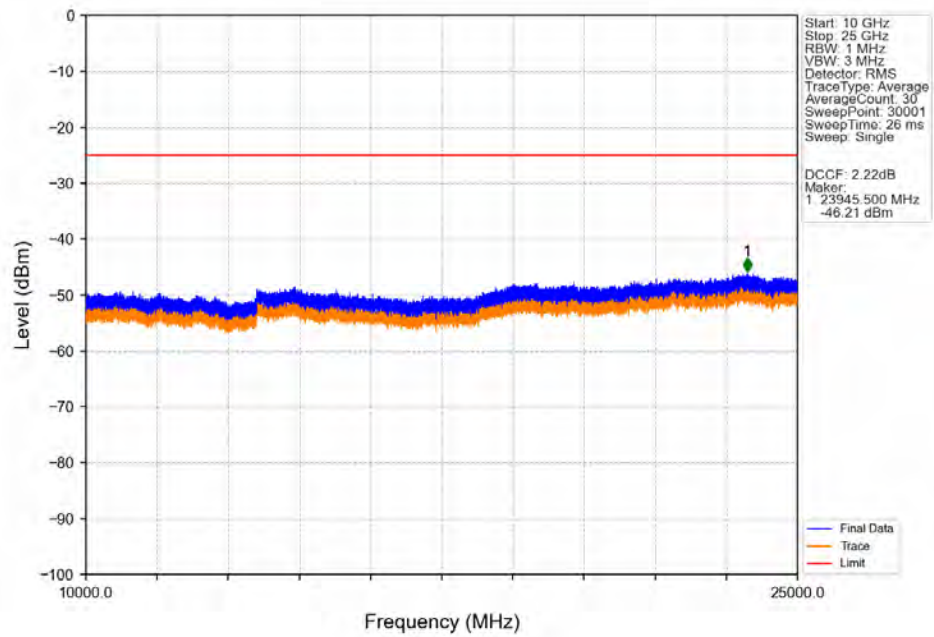


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.835	-53.88	-25	Pass
2490.5	2496	1	CHP	2	2492.350	-54.09	-13	Pass
2496	2550.042	1	CHP	3	2549.995	-42.07	-25	Pass
2550.042	2565	1	CHP	4	2564.905	-31.21	-13	Pass
2565	2569	1	CHP	5	2568.370	-28.76	-10	Pass
2569	2570	0.399	CHP	6	2569.945	-29.71	-10	Pass
2570	2590	0.399	CHP	/	/	/	/	/

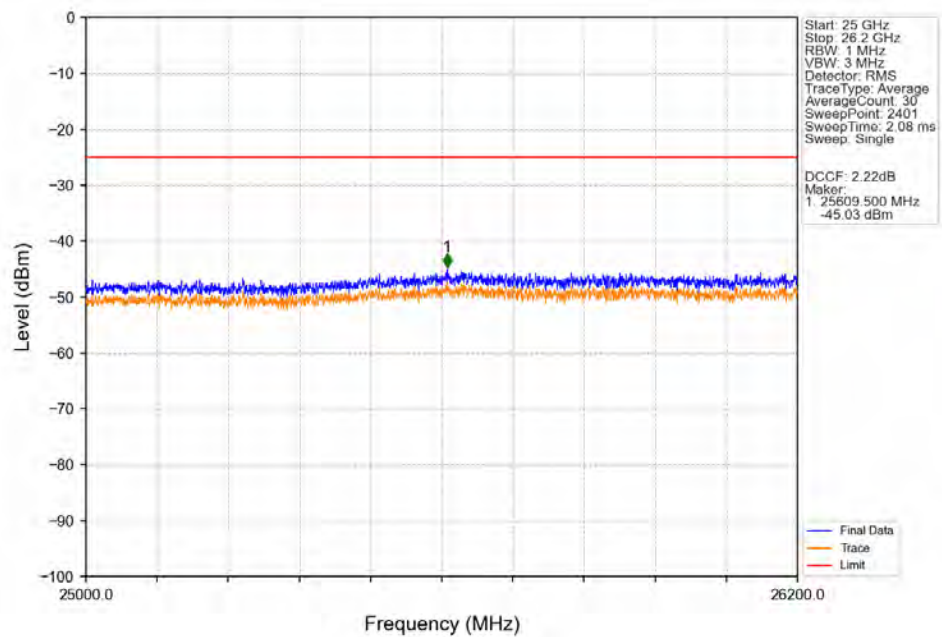
Band38_20MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV



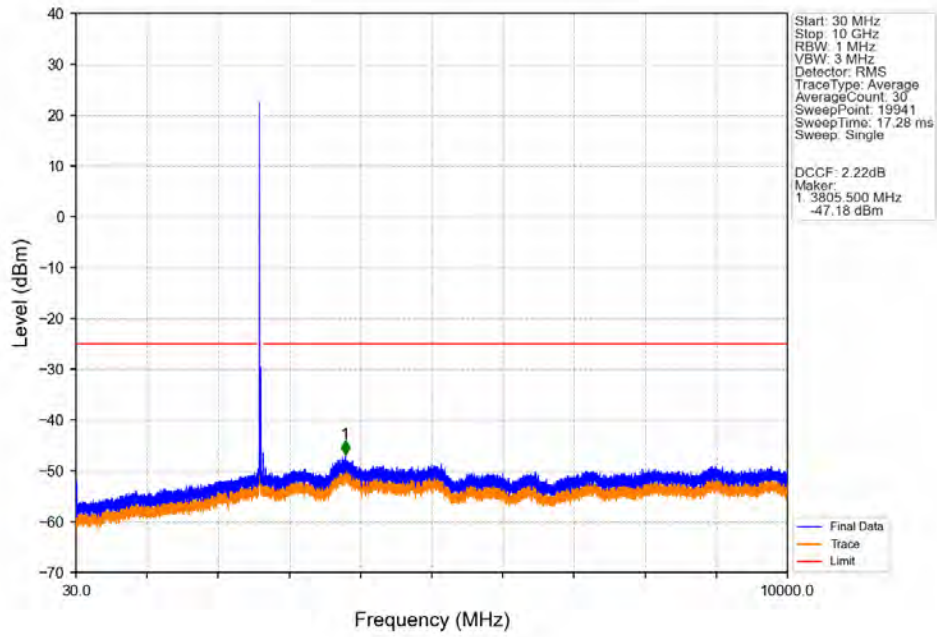
Band38_20MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV



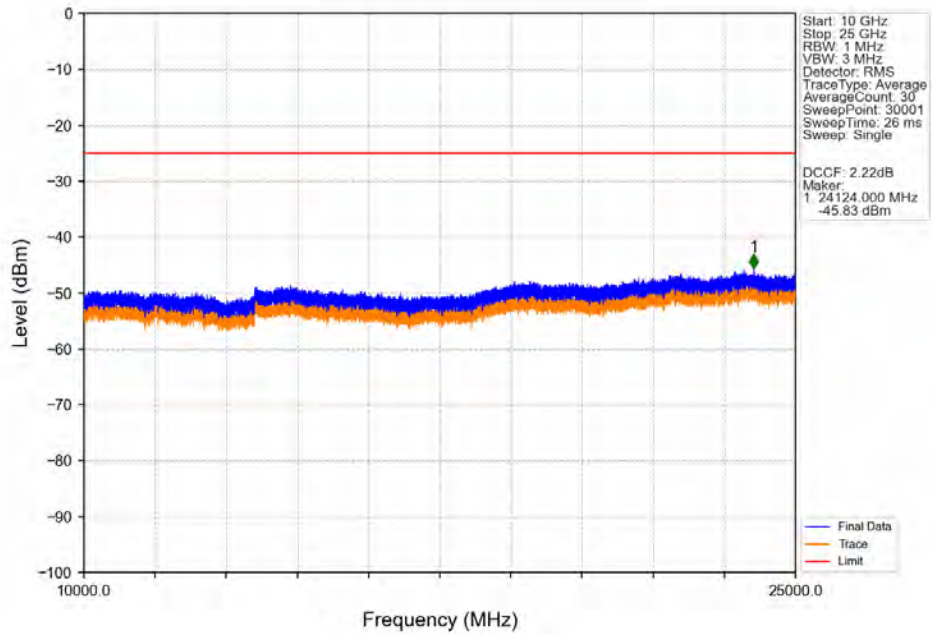
Band38_20MHz_64QAM_MCH_2595MHz_RB_1_0_NTNV



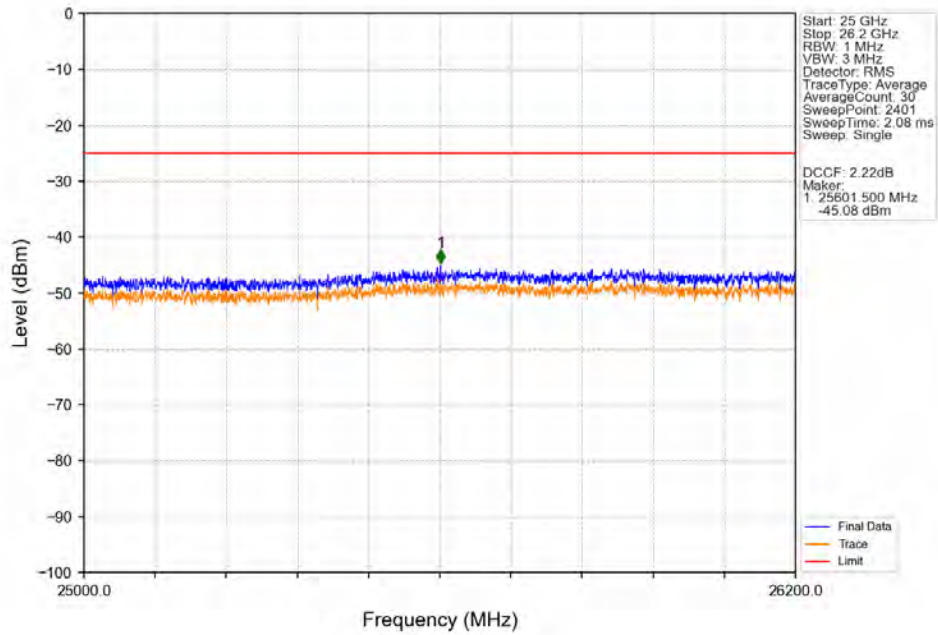
Band38_20MHz_64QAM_HCH_2610MHz_RB_1_0_NTNV



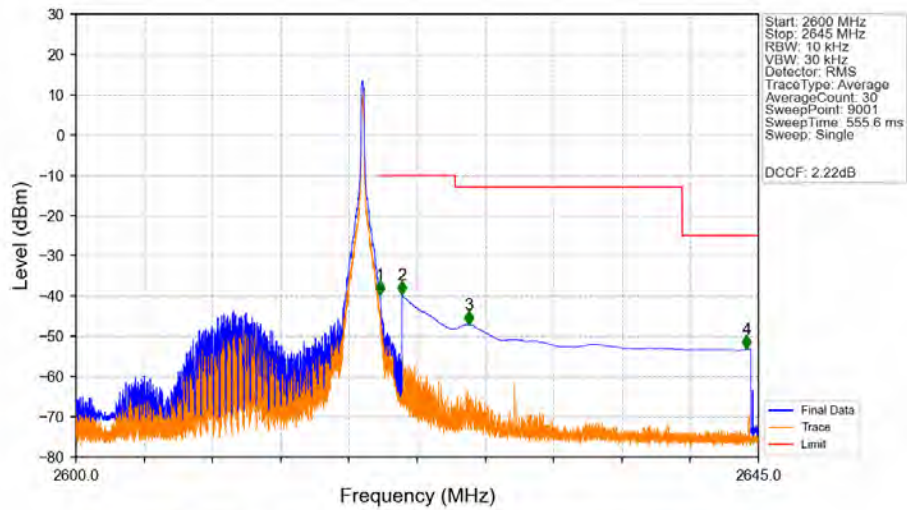
Band38_20MHz_64QAM_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_64QAM_HCH_2610MHz_RB_1_0_NTNV

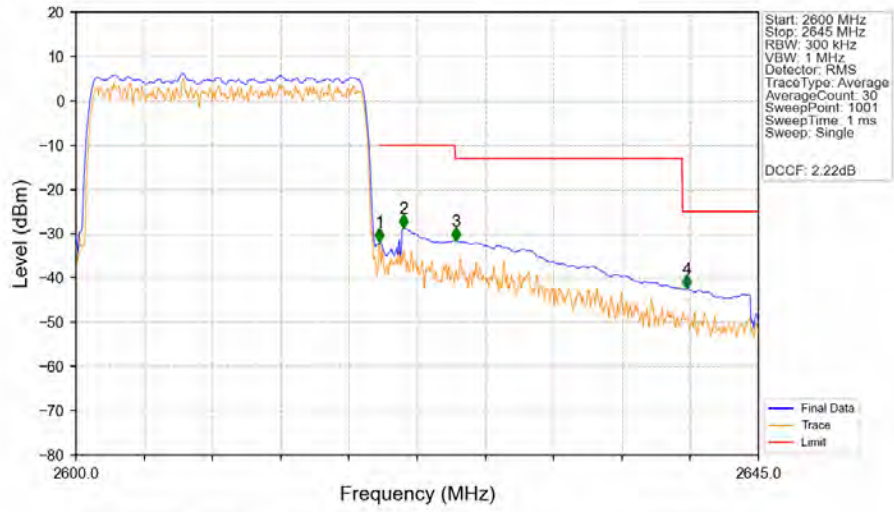


Band38_20MHz_64QAM_HCH_2610MHz_RB_1_99_NTNV



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	2620.035	-39.59	-10	Pass
2621	2625	1	CHP	2	2621.500	-39.75	-10	Pass
2625	2639.972	1	CHP	3	2625.885	-47.12	-13	Pass
2639.972	2645	1	CHP	4	2644.210	-53.15	-25	Pass

Band38 20MHz 64QAM HCH 2610MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.399	CHP	/	/	/	/	/
2620	2621	0.399	CHP	1	2620.025	-31.85	-10	Pass
2621	2625	1	CHP	2	2621.600	-28.81	-10	Pass
2625	2639.972	1	CHP	3	2625.065	-31.67	-13	Pass
2639.972	2645	1	CHP	4	2640.275	-42.41	-25	Pass

6. Field Strength of Spurious Radiation

LTE Band 38 ANT4-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5142.0	-60.99	-25	-35.99	-66.6	4.62	10.23	Horizontal	Pass
7713.0	-59.8	-25	-34.8	-66.83	4.96	11.99	Horizontal	Pass
10284.0	-56.85	-25	-31.85	-64.42	5.51	13.08	Horizontal	Pass
5142.0	-58.35	-25	-33.35	-63.96	4.62	10.23	Vertical	Pass
7713.0	-59.56	-25	-34.56	-66.59	4.96	11.99	Vertical	Pass
10284.0	-56.68	-25	-31.68	-64.25	5.51	13.08	Vertical	Pass

LTE Band 38 ANT4-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5172.0	-59.48	-25	-34.48	-65.1	4.63	10.25	Horizontal	Pass
7758.0	-59.07	-25	-34.07	-66.15	4.96	12.04	Horizontal	Pass
10344.0	-56.44	-25	-31.44	-64.01	5.52	13.09	Horizontal	Pass
5172.0	-57.83	-25	-32.83	-63.45	4.63	10.25	Vertical	Pass
7758.0	-59.32	-25	-34.32	-66.4	4.96	12.04	Vertical	Pass
10344.0	-55.51	-25	-30.51	-63.08	5.52	13.09	Vertical	Pass

LTE Band 38 ANT4-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5202.0	-63.71	-25	-38.71	-69.35	4.63	10.27	Horizontal	Pass
7803.0	-59.46	-25	-34.46	-66.6	4.96	12.1	Horizontal	Pass
10404.0	-57.12	-25	-32.12	-64.7	5.52	13.1	Horizontal	Pass
5202.0	-61.01	-25	-36.01	-66.65	4.63	10.27	Vertical	Pass
7803.0	-59.35	-25	-34.35	-66.49	4.96	12.1	Vertical	Pass
10404.0	-57.28	-25	-32.28	-64.86	5.52	13.1	Vertical	Pass