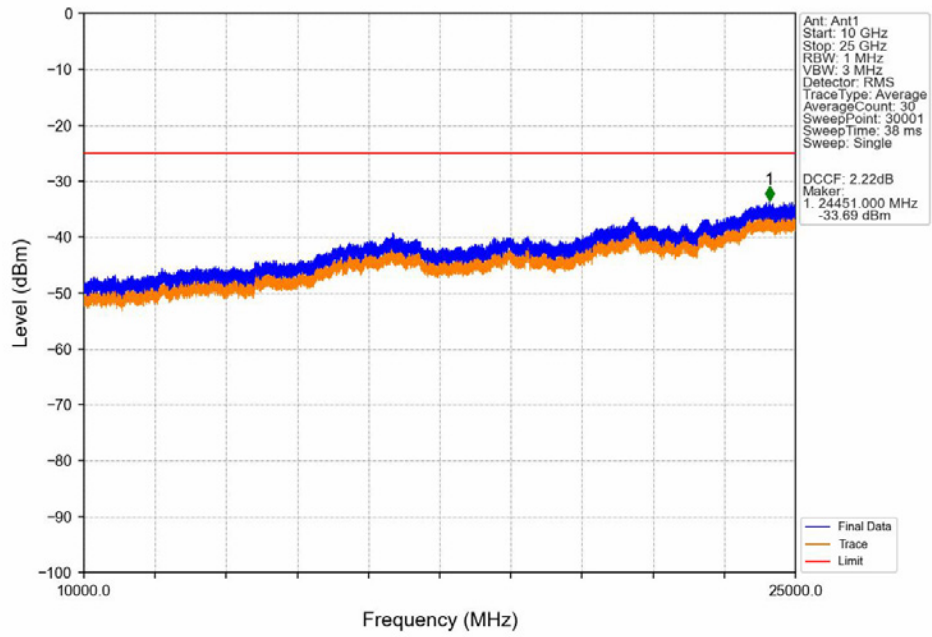
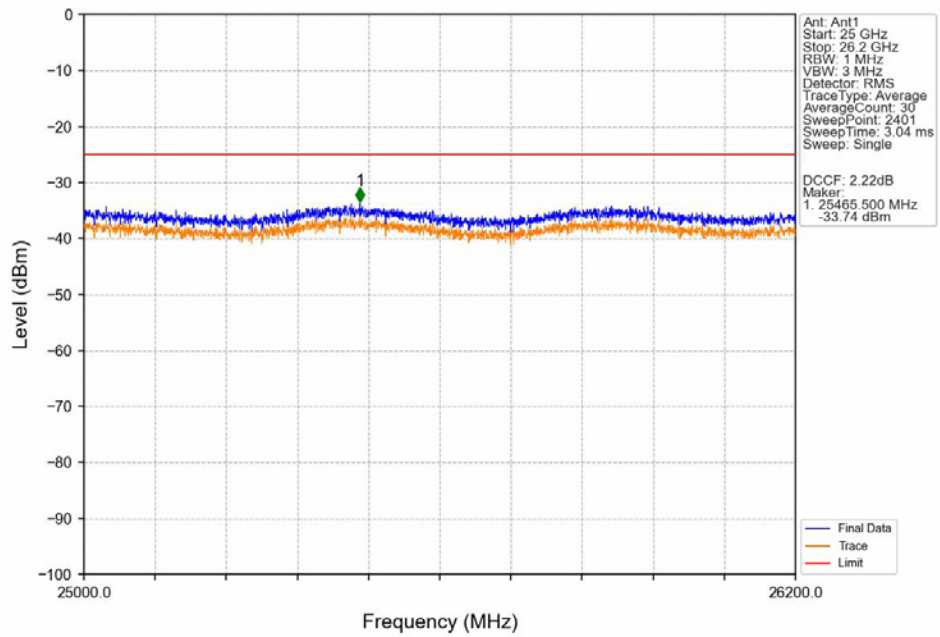


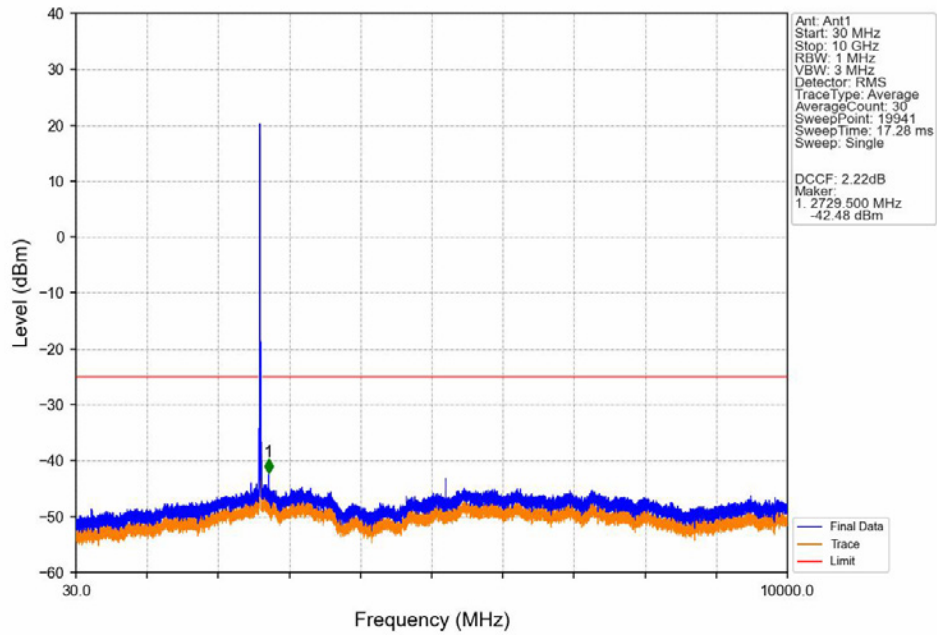
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



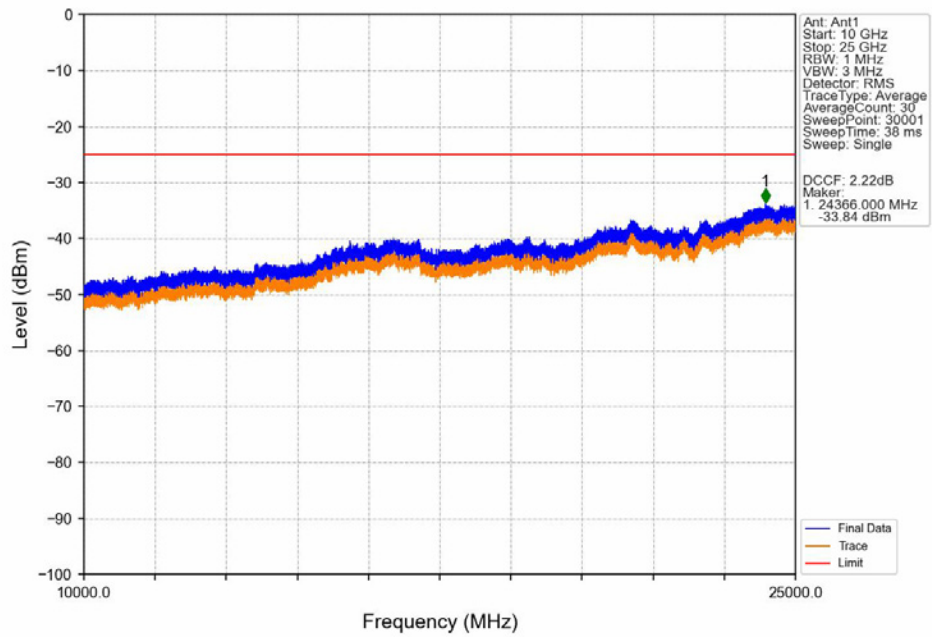
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



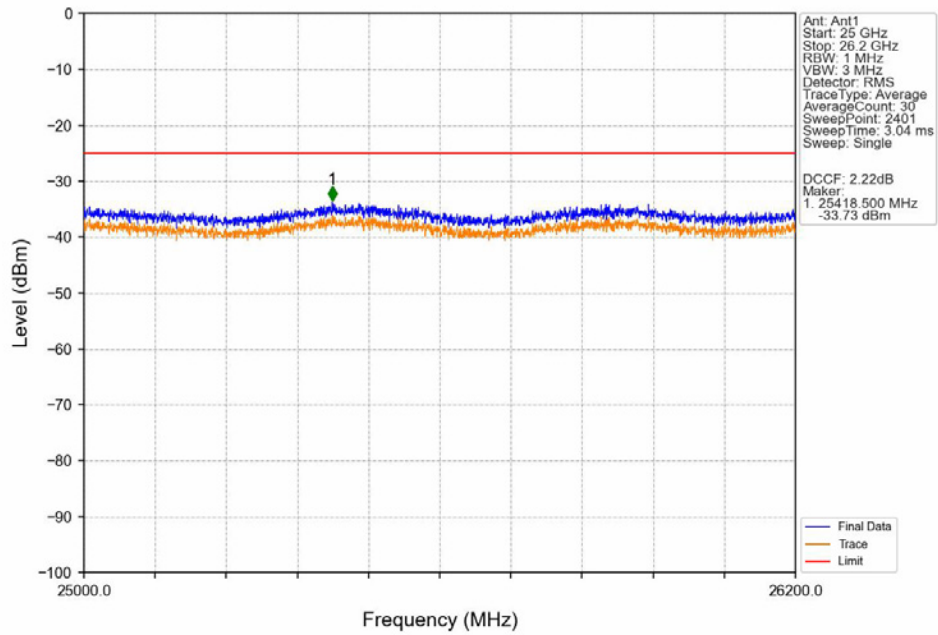
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



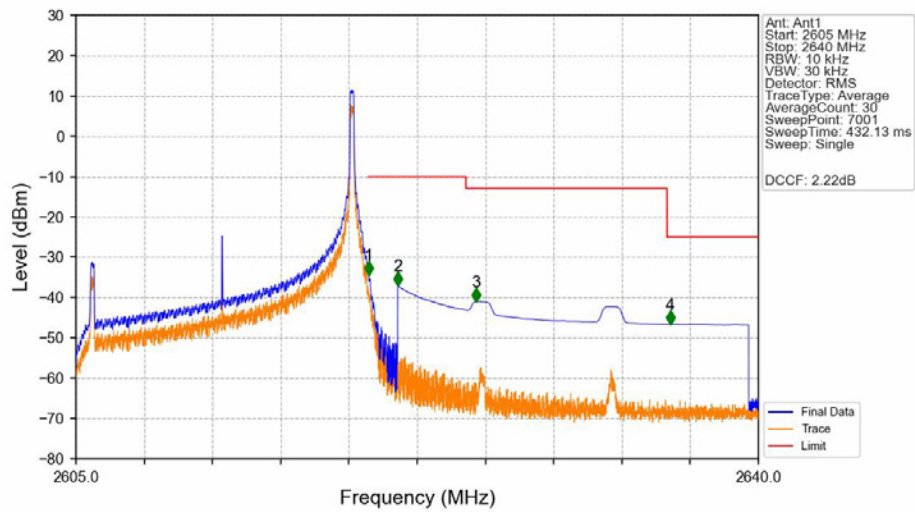
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV

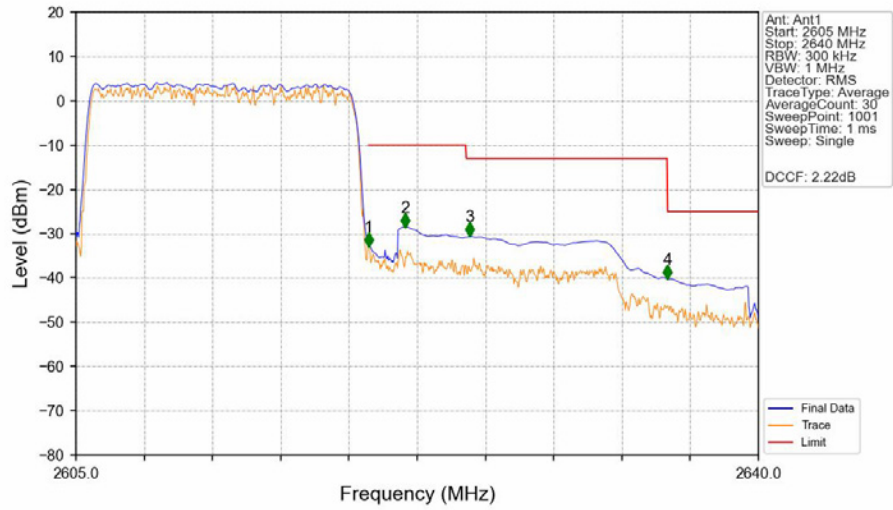


Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV



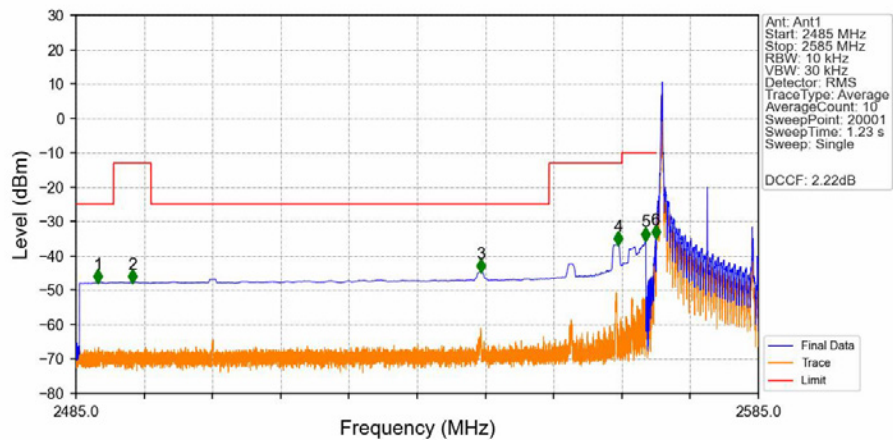
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-34.45	-10	Pass
2621	2625	1	CHP	2	2621.505	-37.09	-10	Pass
2625	2635.313	1	CHP	3	2625.515	-40.99	-13	Pass
2635.313	2640	1	CHP	4	2635.480	-46.62	-25	Pass

Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



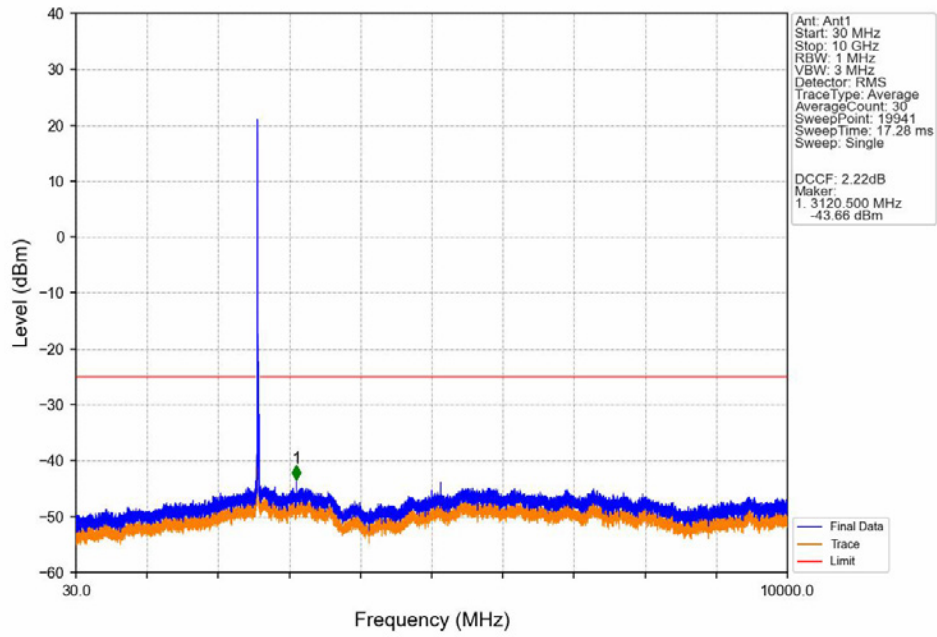
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.306	CHP	/	/	/	/	/
2620	2621	0.306	CHP	1	2620.015	-32.98	-10	Pass
2621	2625	1	CHP	2	2621.870	-28.50	-10	Pass
2625	2635.313	1	CHP	3	2625.195	-30.58	-13	Pass
2635.313	2640	1	CHP	4	2635.345	-40.26	-25	Pass

Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV

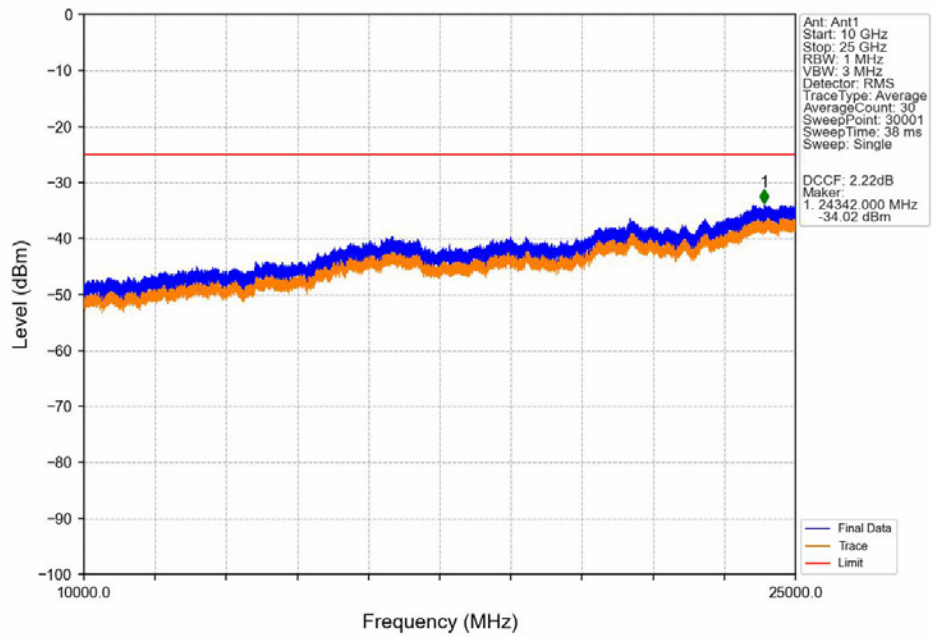


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.225	-47.73	-25	Pass
2490.5	2496	1	CHP	2	2493.245	-47.64	-13	Pass
2496	2554.315	1	CHP	3	2544.375	-44.61	-25	Pass
2554.315	2565	1	CHP	4	2564.470	-36.64	-13	Pass
2565	2569	1	CHP	5	2568.480	-35.34	-10	Pass
2569	2570	0.02	CHP	6	2569.930	-34.69	-10	Pass
2570	2585	0.02	CHP	/	/	/	/	/

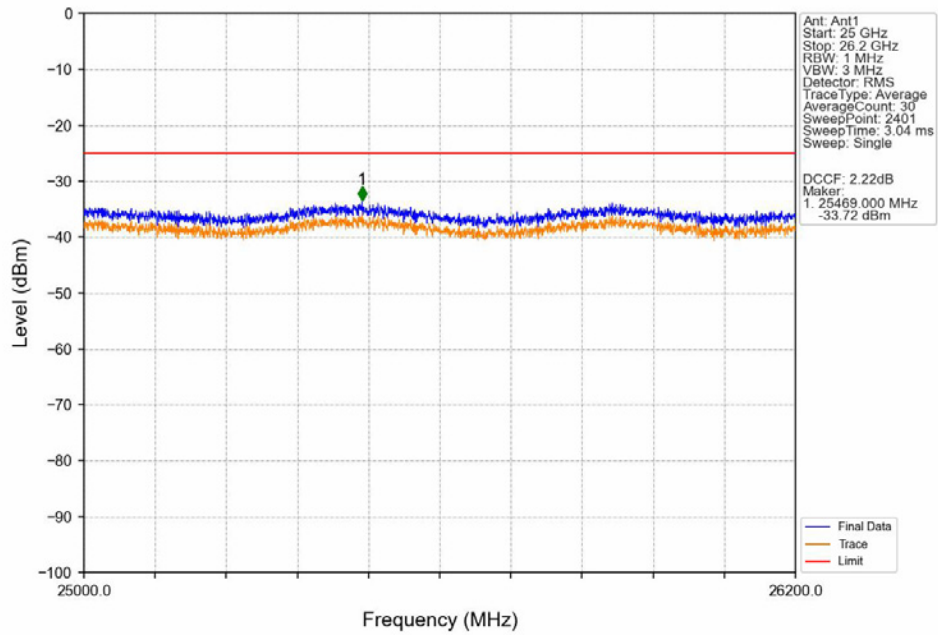
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV



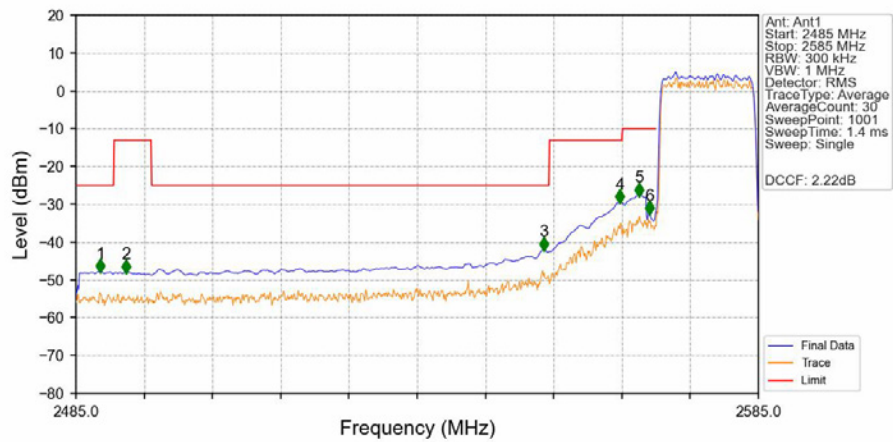
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV

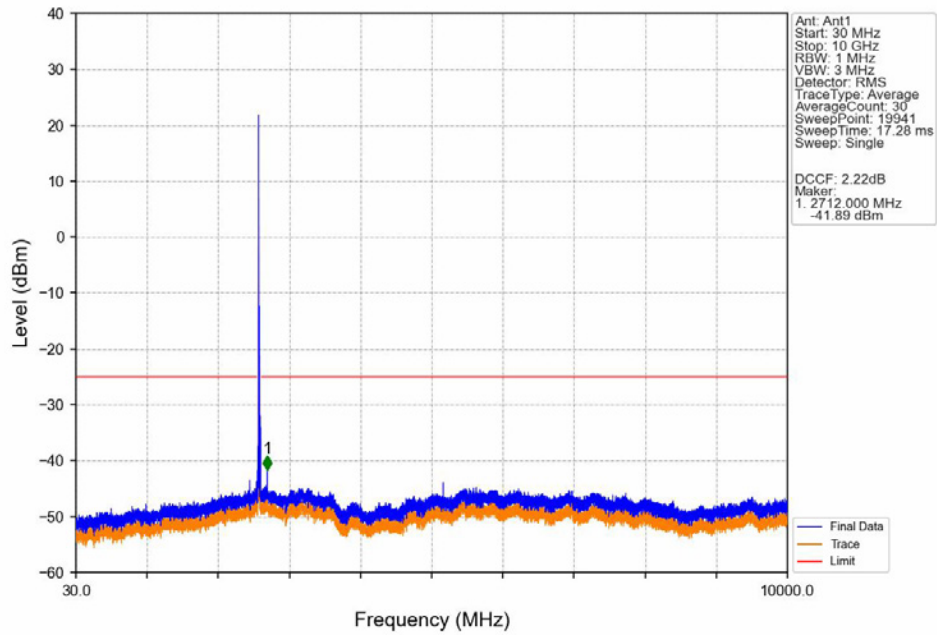


Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV

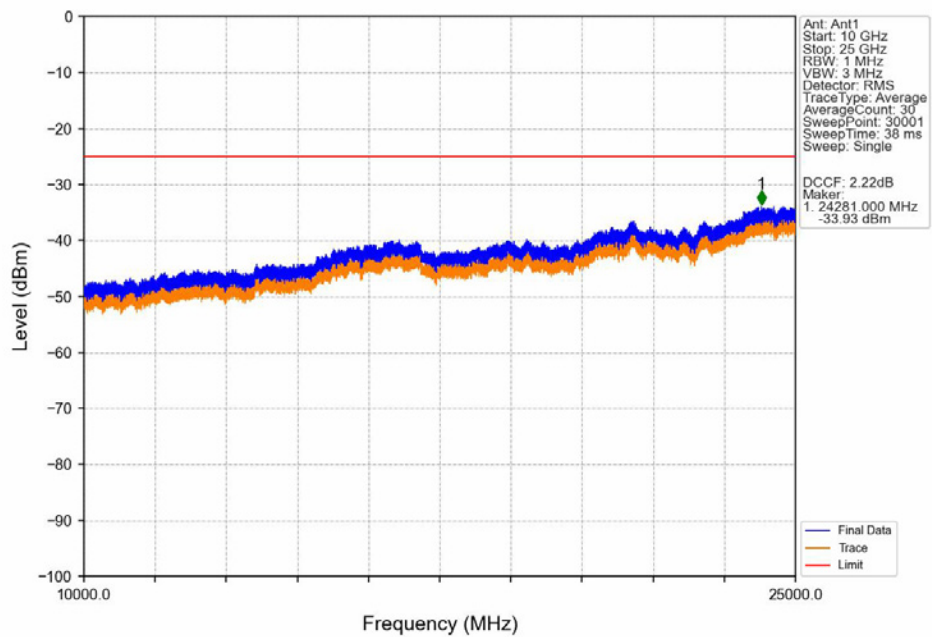


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.600	-47.89	-25	Pass
2490.5	2496	1	CHP	2	2492.300	-47.96	-13	Pass
2496	2554.315	1	CHP	3	2553.600	-41.96	-25	Pass
2554.315	2565	1	CHP	4	2564.700	-29.48	-13	Pass
2565	2569	1	CHP	5	2567.500	-27.63	-10	Pass
2569	2570	0.314	CHP	6	2569.100	-32.40	-10	Pass
2570	2585	0.314	CHP	/	/	/	/	/

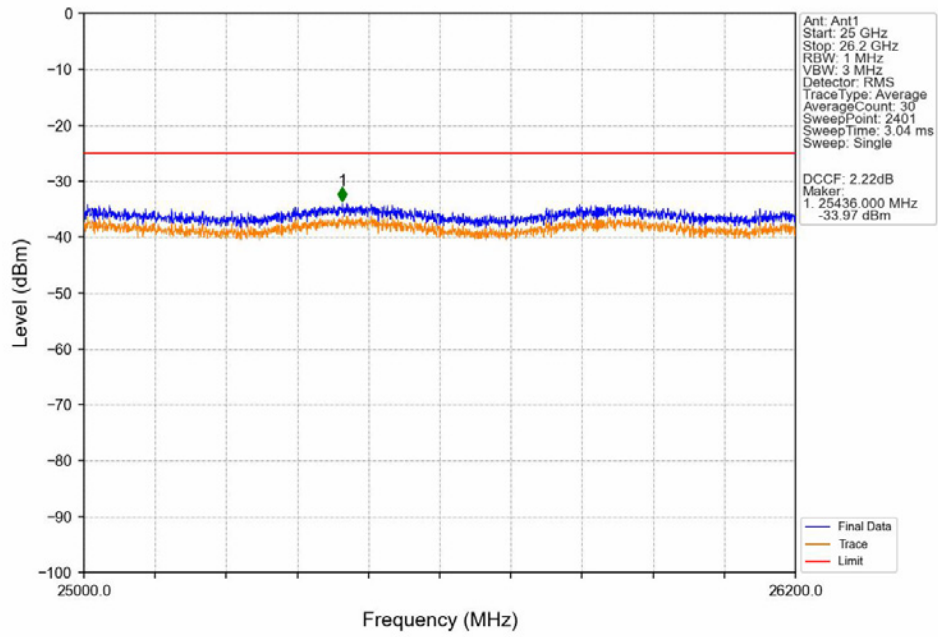
Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



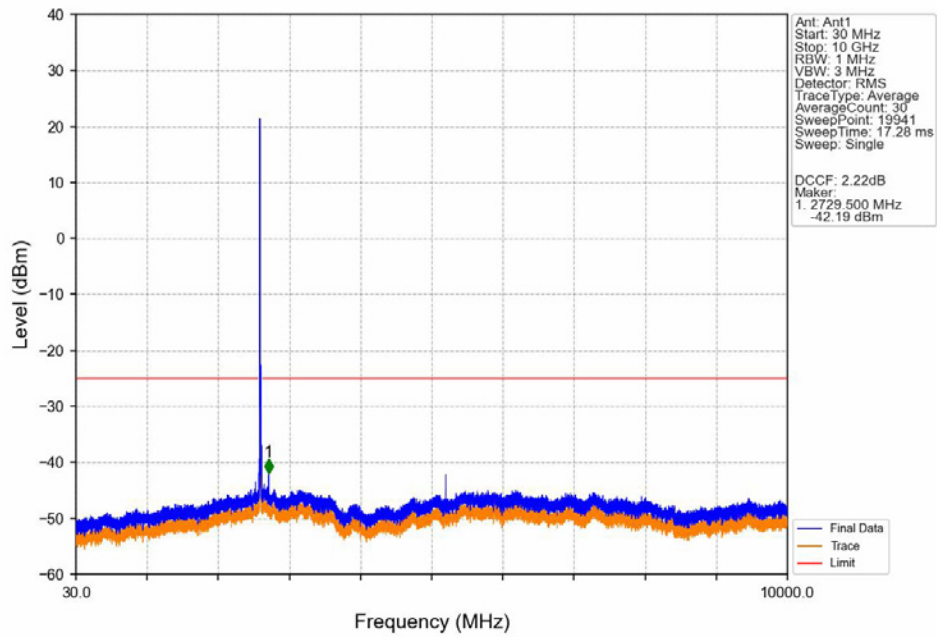
Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



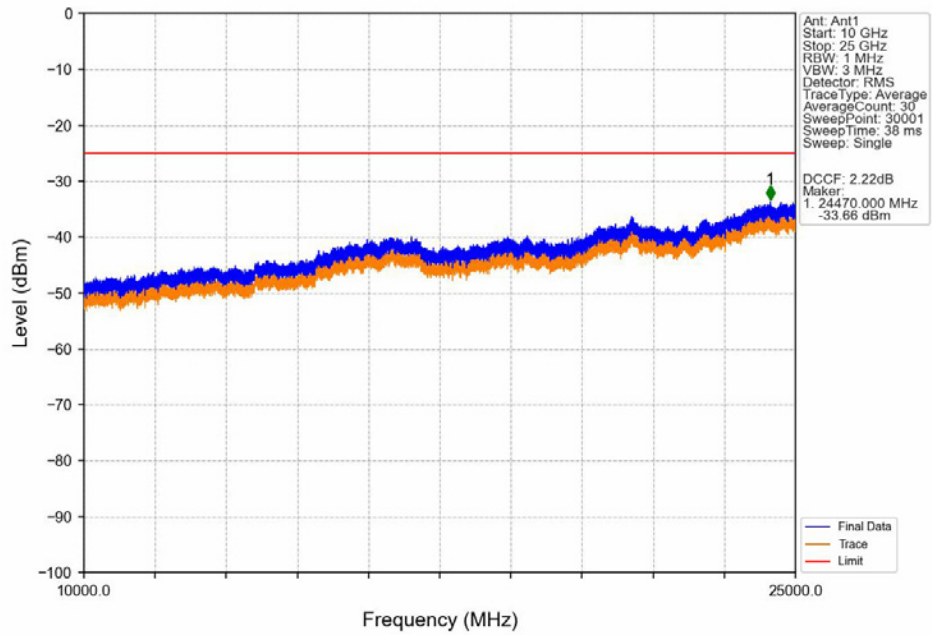
Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



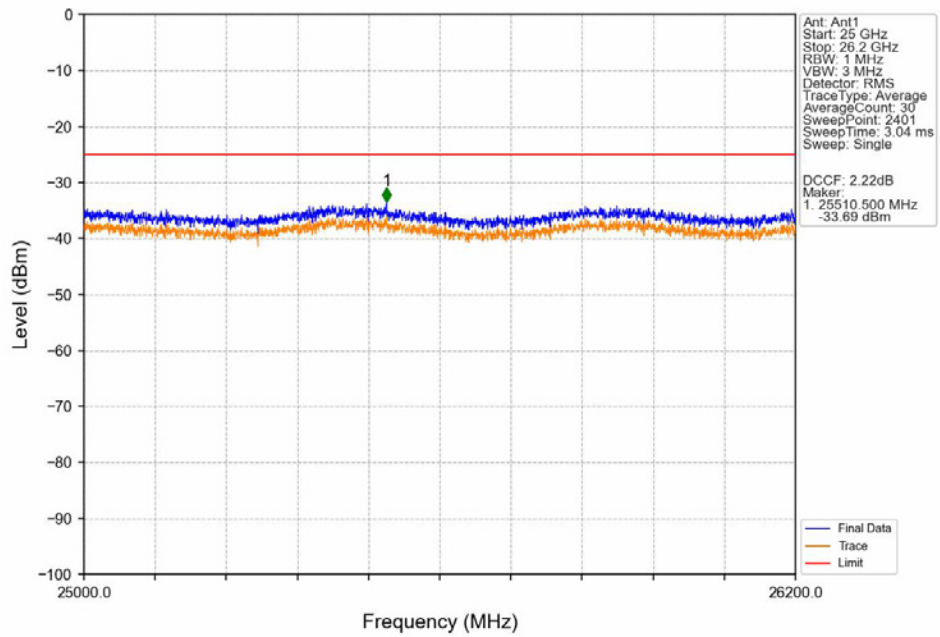
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_0_NTNV



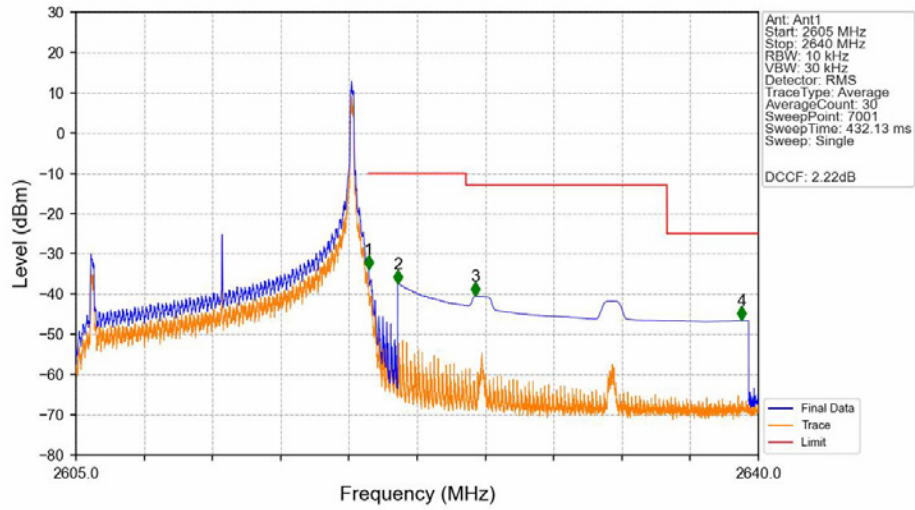
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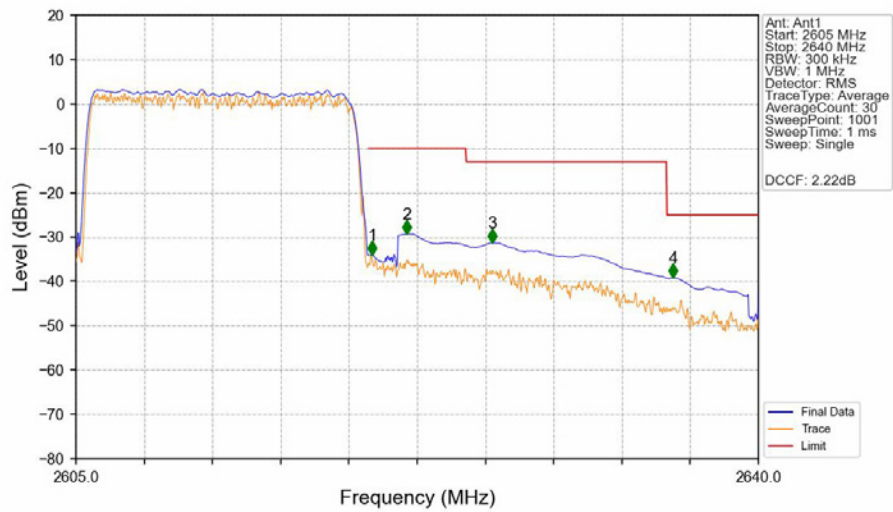
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_74_NTNV

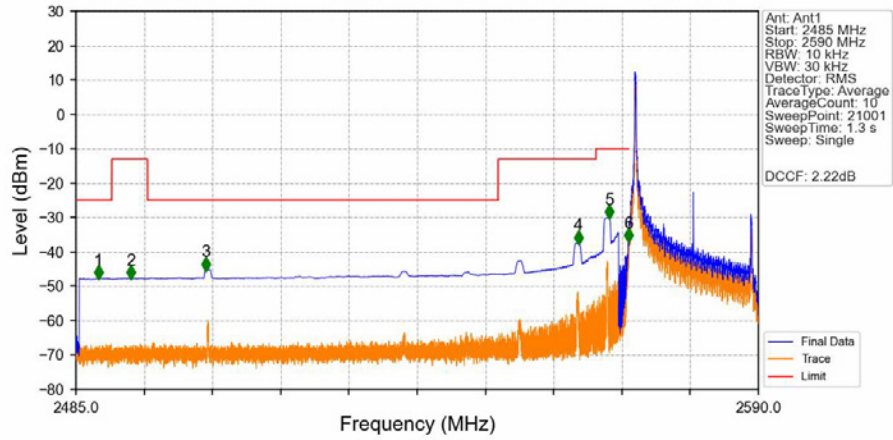


Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



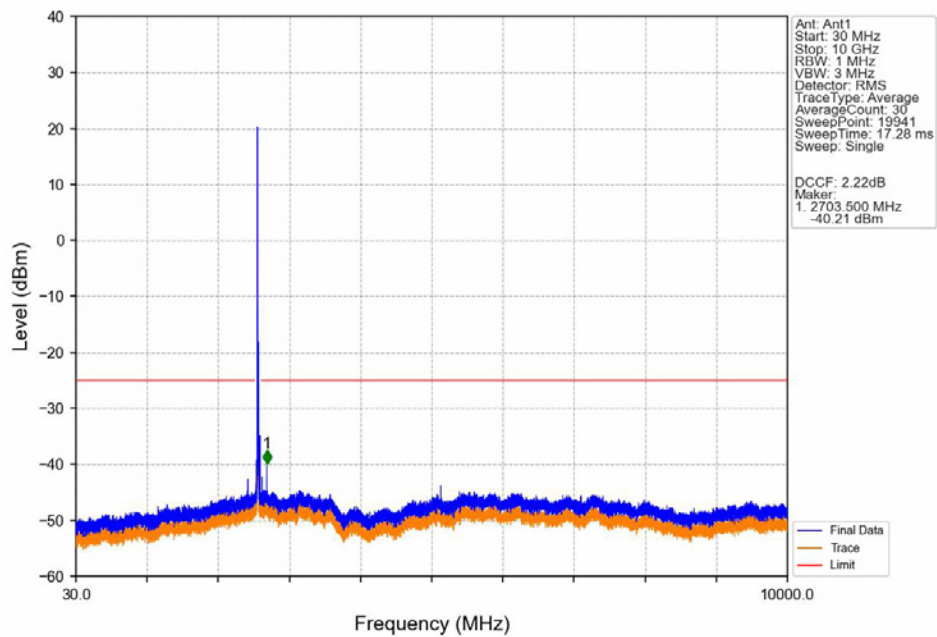
5.2.4 B38_20MHz

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

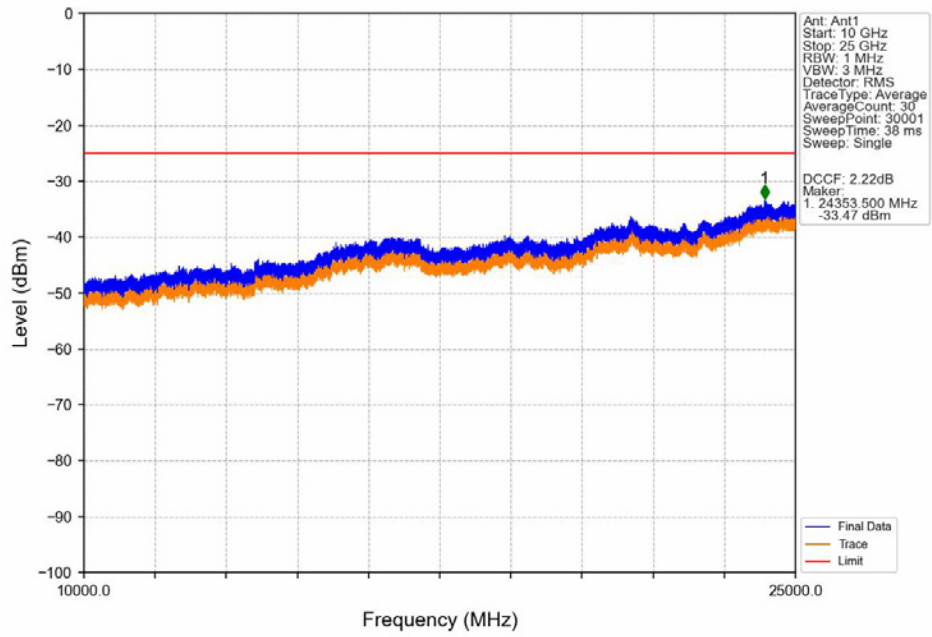


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.460	-47.69	-25	Pass
2490.5	2496	1	CHP	2	2493.435	-47.63	-13	Pass
2496	2549.954	1	CHP	3	2504.960	-45.23	-25	Pass
2549.954	2565	1	CHP	4	2562.320	-37.45	-13	Pass
2565	2569	1	CHP	5	2567.055	-30.11	-10	Pass
2569	2570	0.02	CHP	6	2569.970	-36.86	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

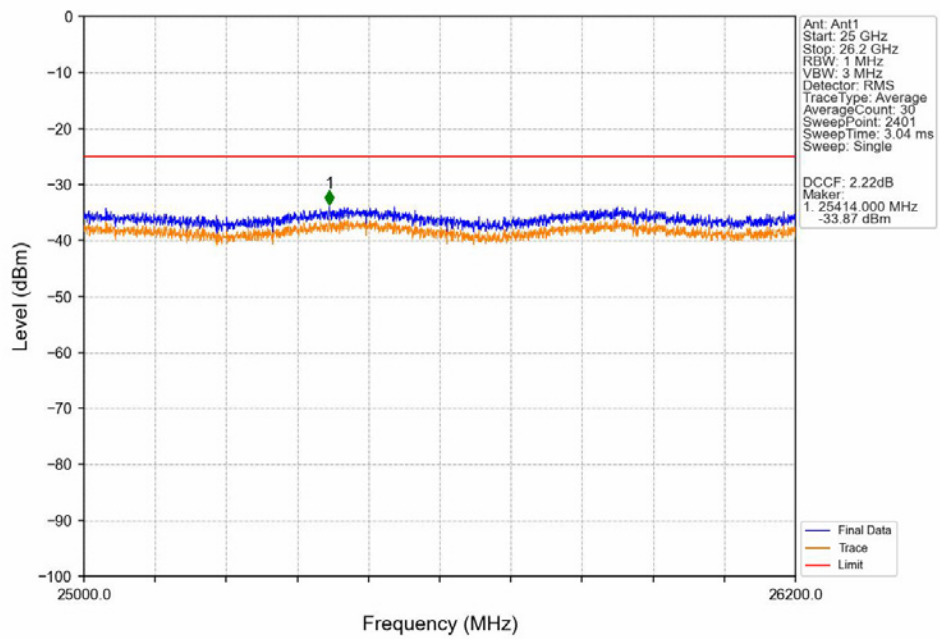
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



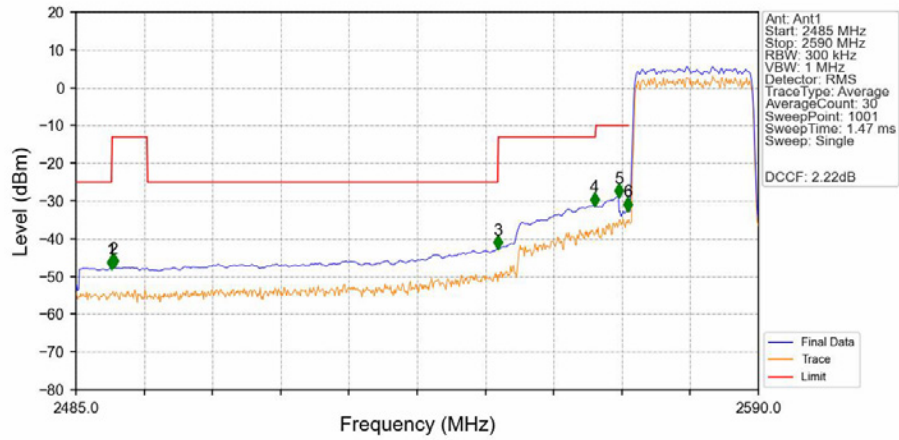
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

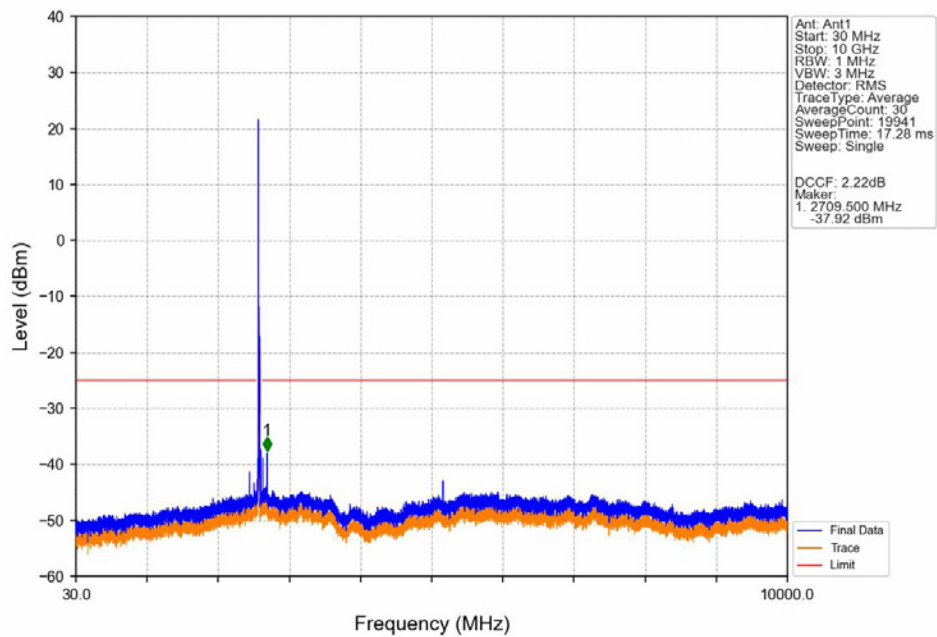


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

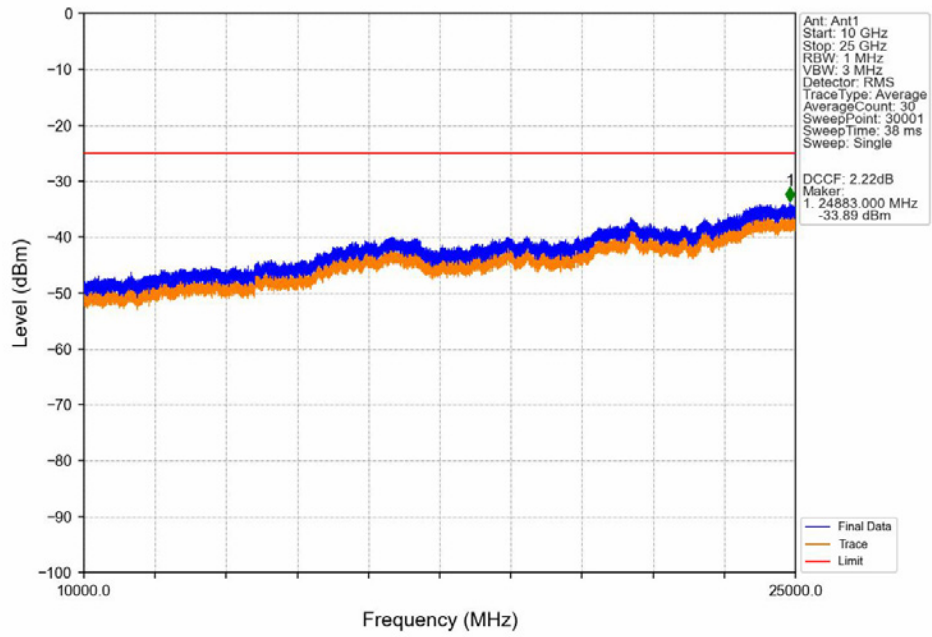


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.460	-47.72	-25	Pass
2490.5	2496	1	CHP	2	2490.775	-47.46	-13	Pass
2496	2549.954	1	CHP	3	2549.890	-42.54	-25	Pass
2549.954	2565	1	CHP	4	2564.800	-31.09	-13	Pass
2565	2569	1	CHP	5	2568.475	-28.83	-10	Pass
2569	2570	0.401	CHP	6	2569.840	-32.34	-10	Pass
2570	2590	0.401	CHP	/	/	/	/	/

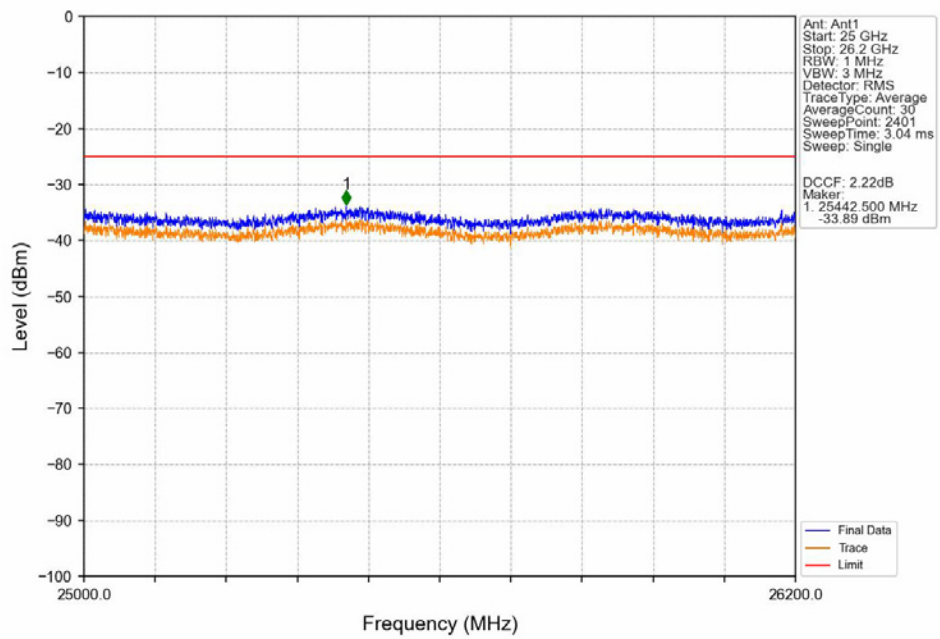
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



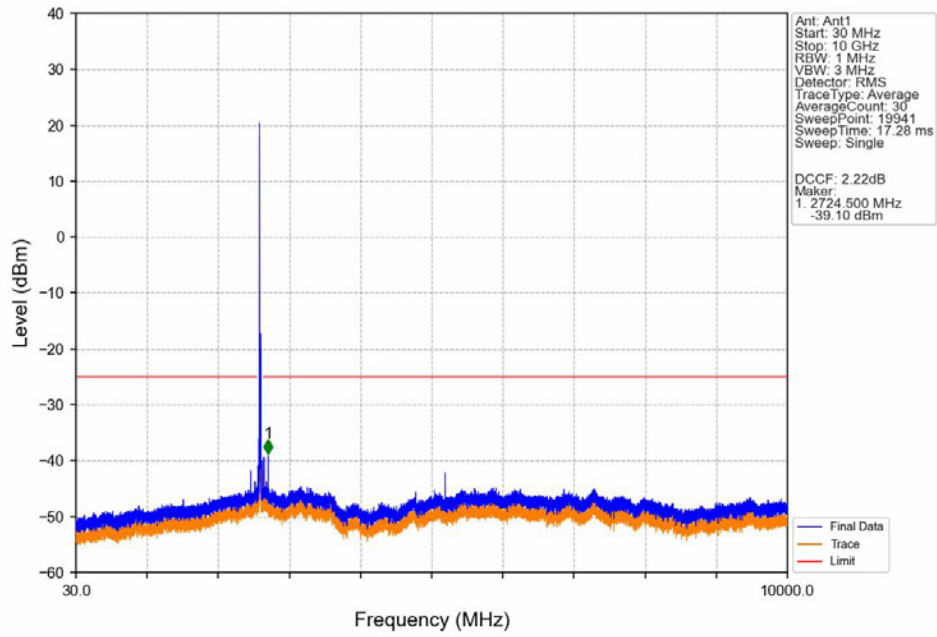
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



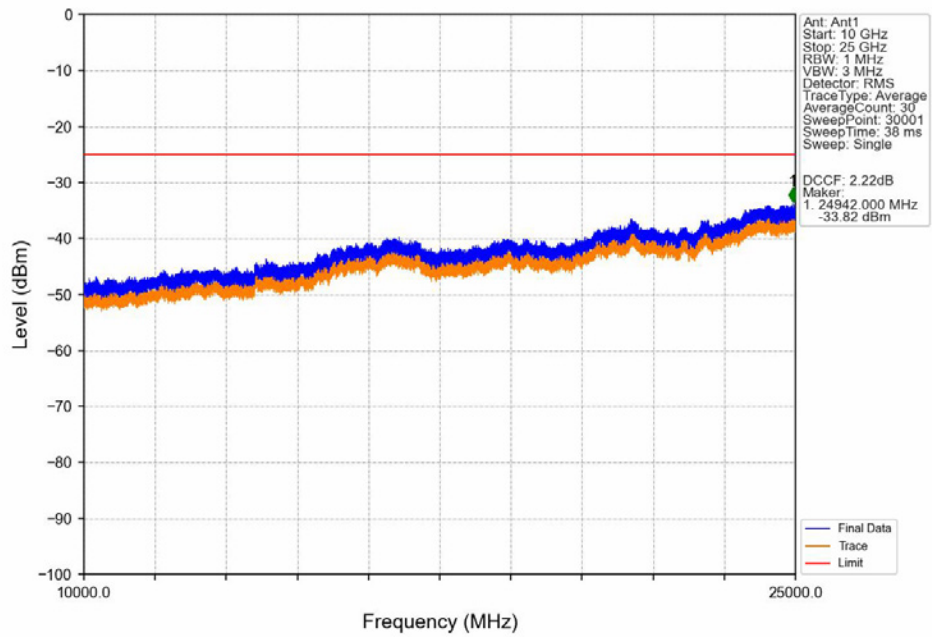
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



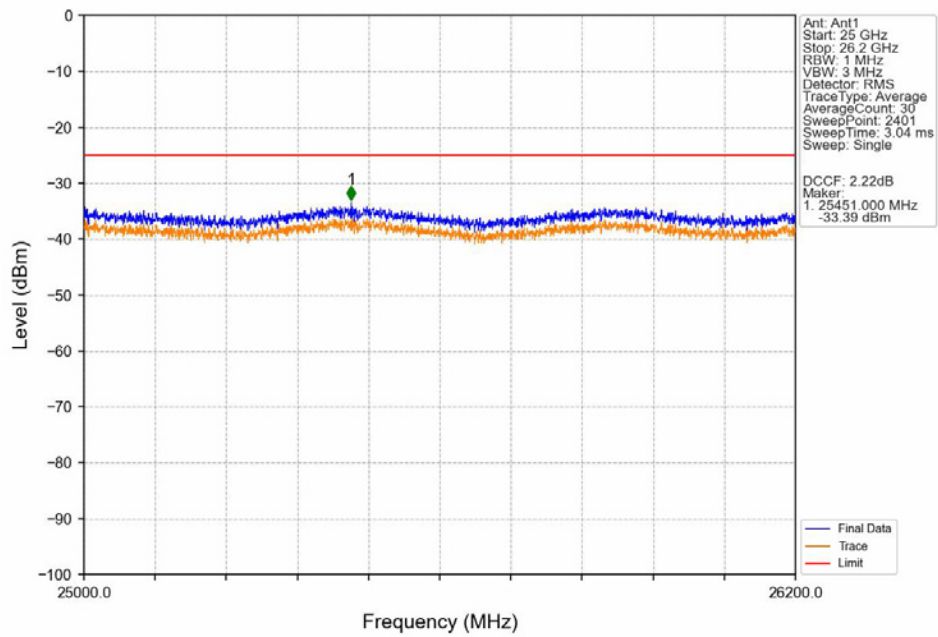
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



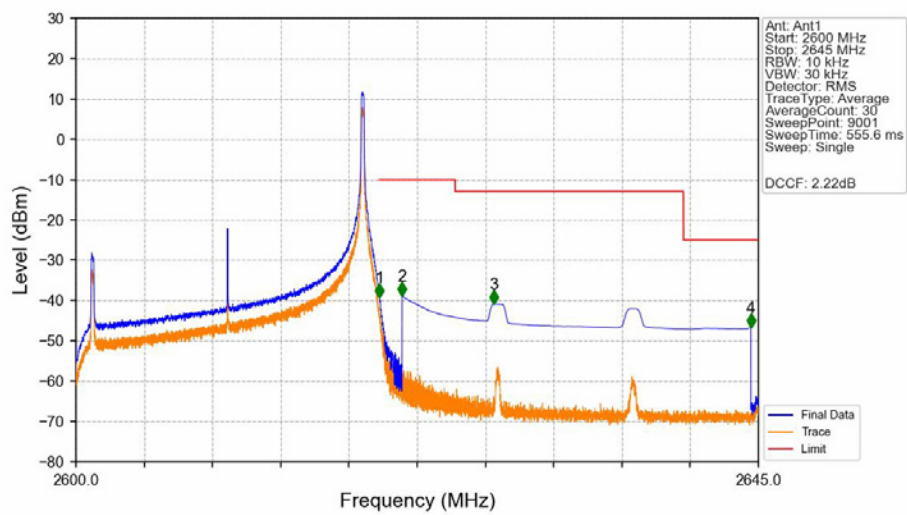
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV

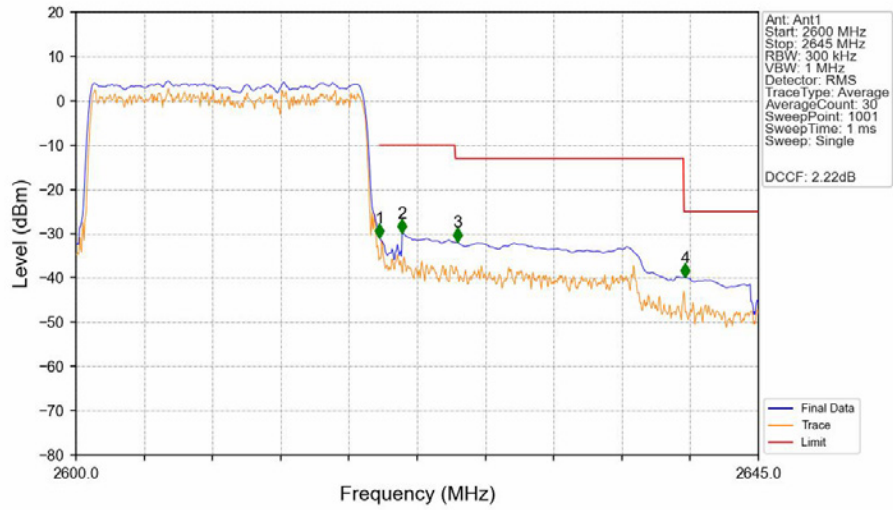


Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV



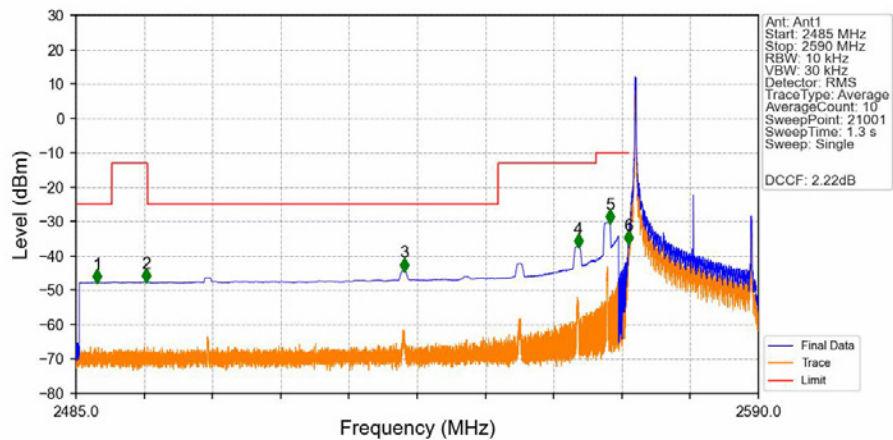
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-39.23	-10	Pass
2621	2625	1	CHP	2	2621.500	-38.86	-10	Pass
2625	2640.056	1	CHP	3	2627.575	-40.90	-13	Pass
2640.056	2645	1	CHP	4	2644.500	-46.61	-25	Pass

Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



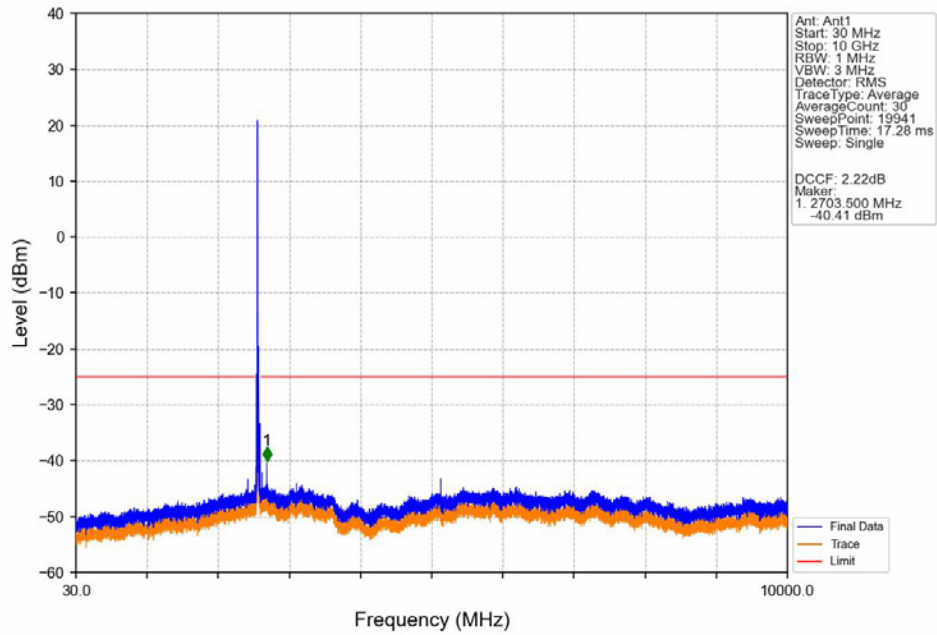
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.401	CHP	/	/	/	/	/
2620	2621	0.401	CHP	1	2620.025	-31.02	-10	Pass
2621	2625	1	CHP	2	2621.510	-29.80	-10	Pass
2625	2640.056	1	CHP	3	2625.155	-31.92	-13	Pass
2640.056	2645	1	CHP	4	2640.185	-39.82	-25	Pass

Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV

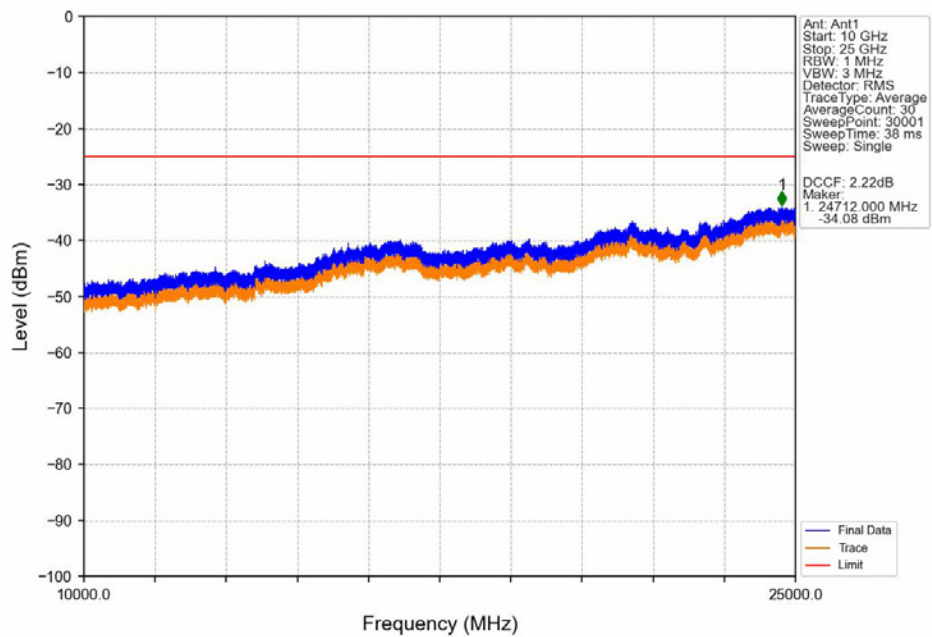


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.280	-47.71	-25	Pass
2490.5	2496	1	CHP	2	2495.825	-47.54	-13	Pass
2496	2549.942	1	CHP	3	2535.550	-44.31	-25	Pass
2549.942	2565	1	CHP	4	2562.265	-37.30	-13	Pass
2565	2569	1	CHP	5	2567.120	-30.28	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-36.34	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

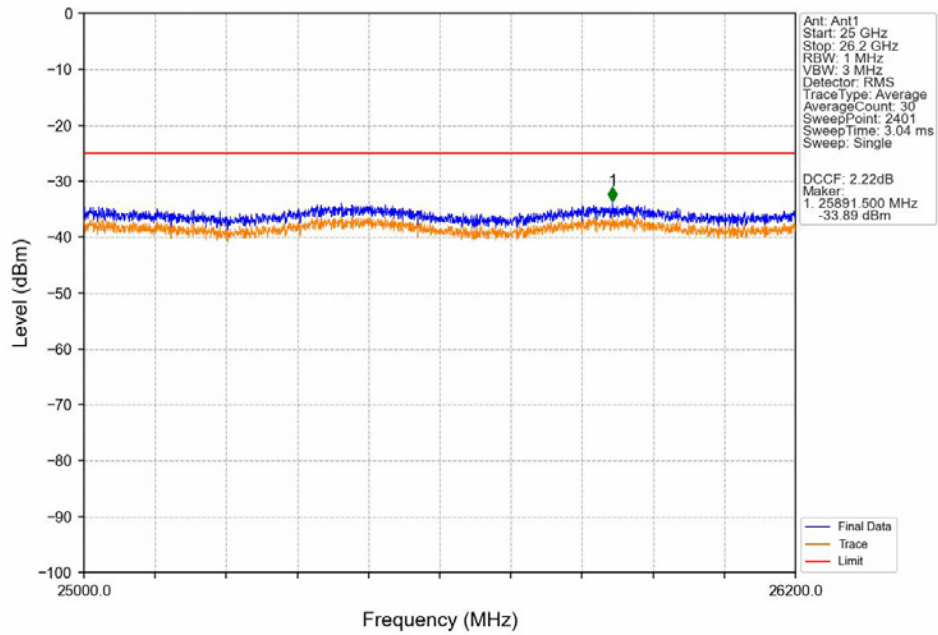
Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



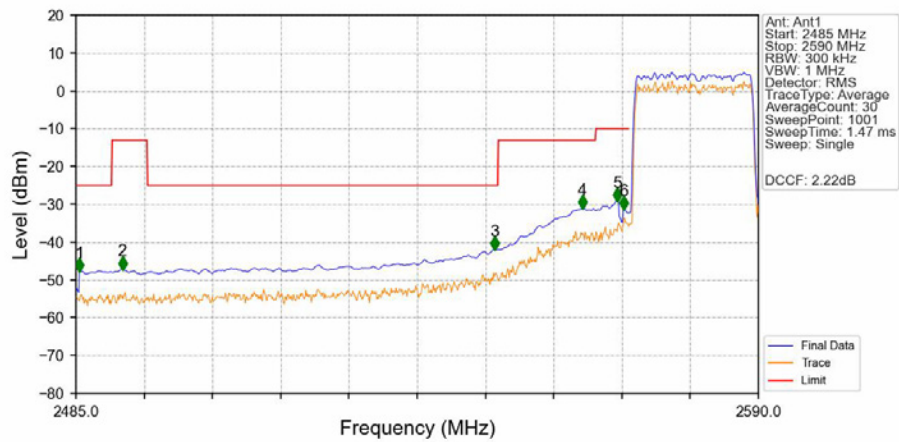
Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV

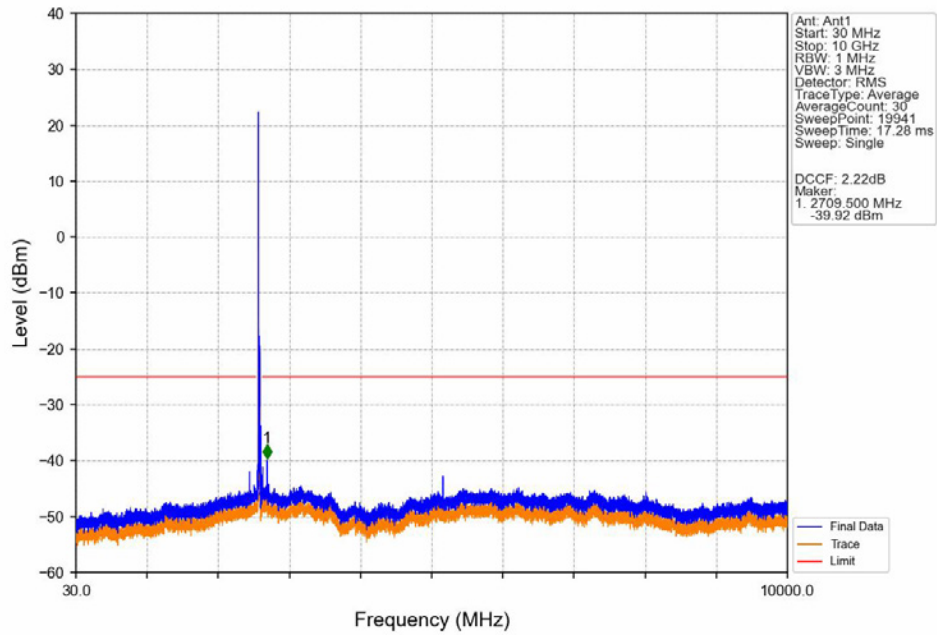


Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV

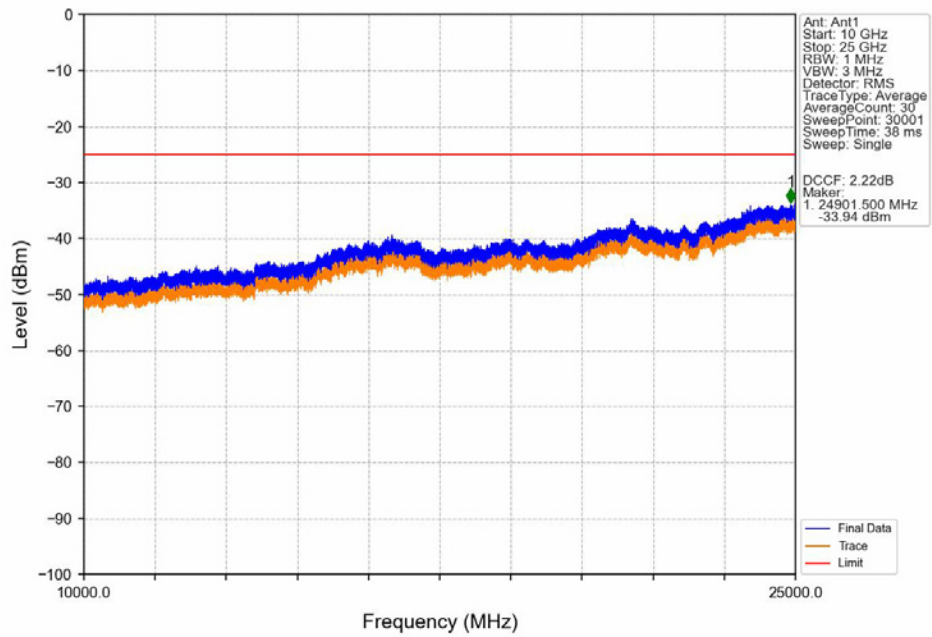


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.525	-47.65	-25	Pass
2490.5	2496	1	CHP	2	2492.140	-47.11	-13	Pass
2496	2549.942	1	CHP	3	2549.365	-41.88	-25	Pass
2549.942	2565	1	CHP	4	2562.910	-31.02	-13	Pass
2565	2569	1	CHP	5	2568.265	-29.01	-10	Pass
2569	2570	0.401	CHP	6	2569.315	-31.22	-10	Pass
2570	2590	0.401	CHP	/	/	/	/	/

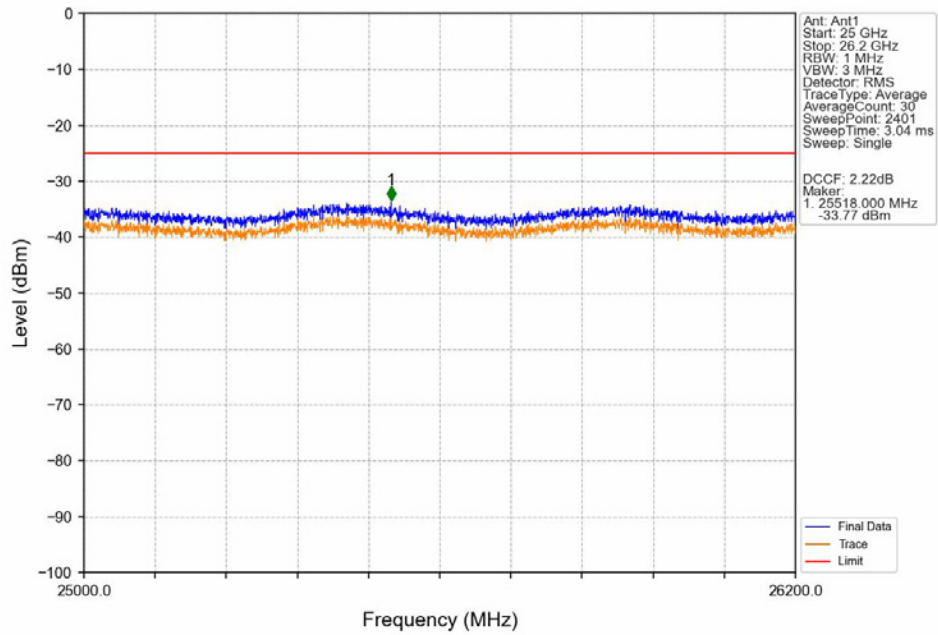
Band38_20MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



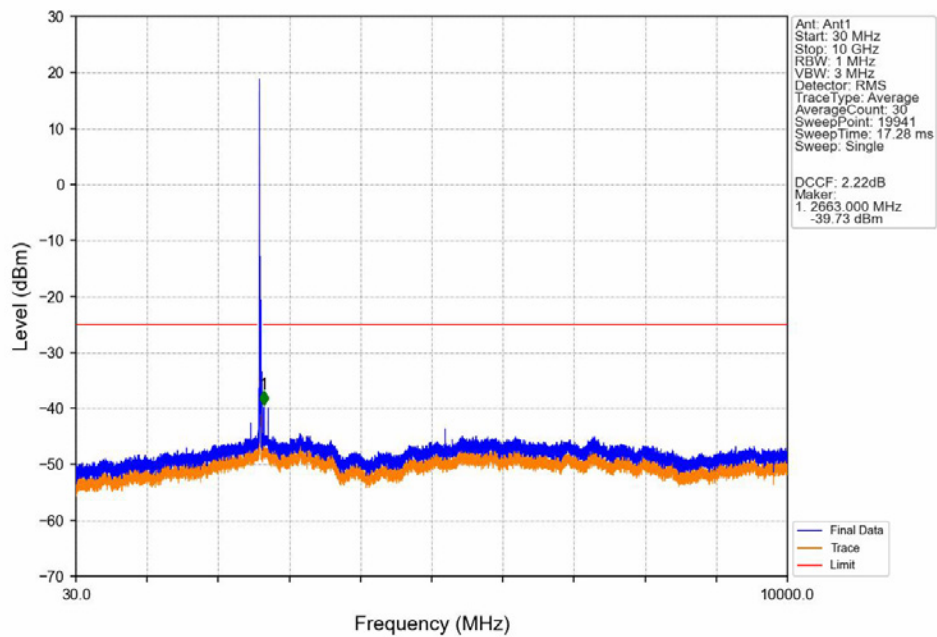
Band38_20MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



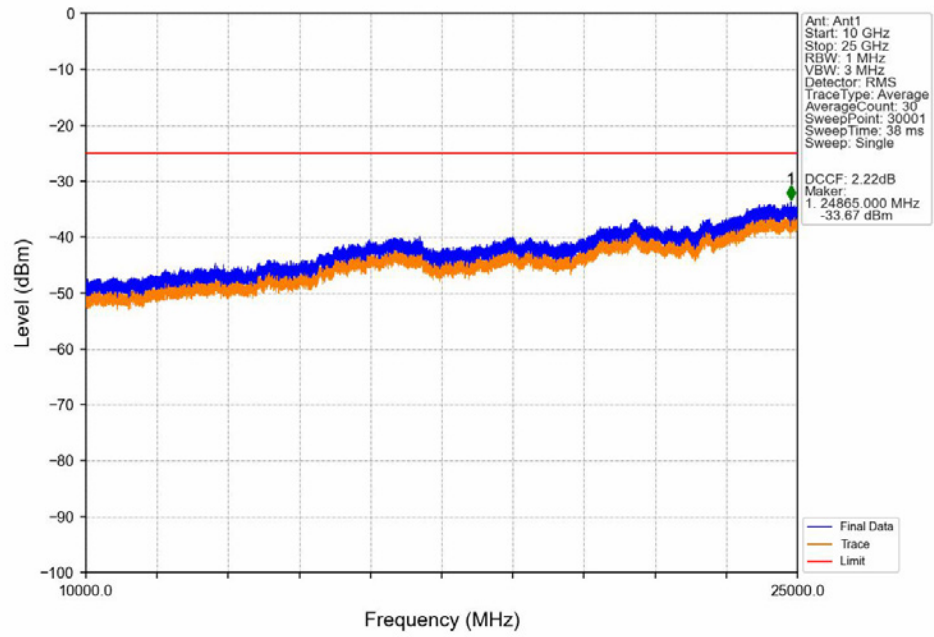
Band38_20MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



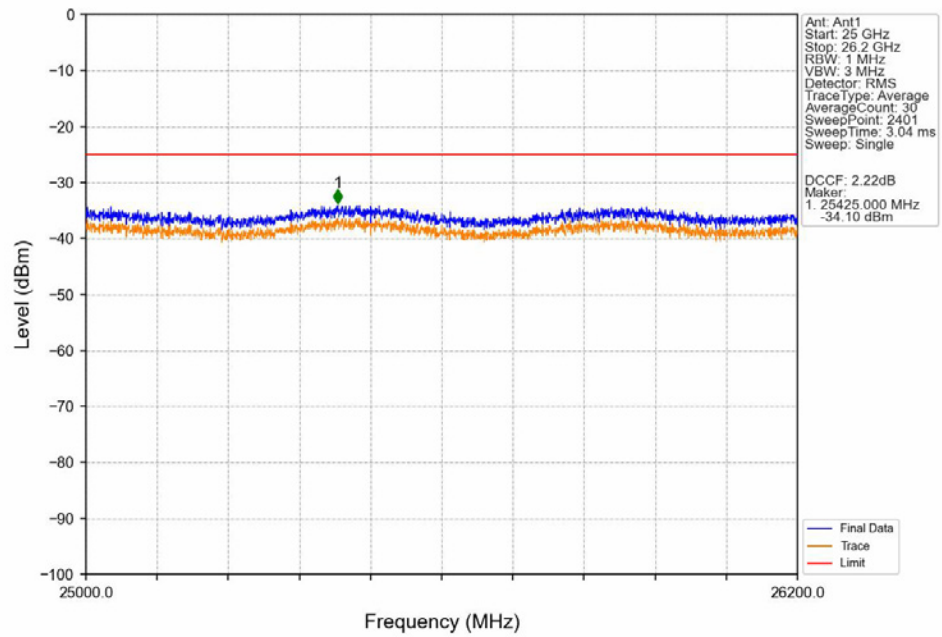
Band38_20MHz_16QAM_HCH_2610MHz_RB_1_0_NTNV



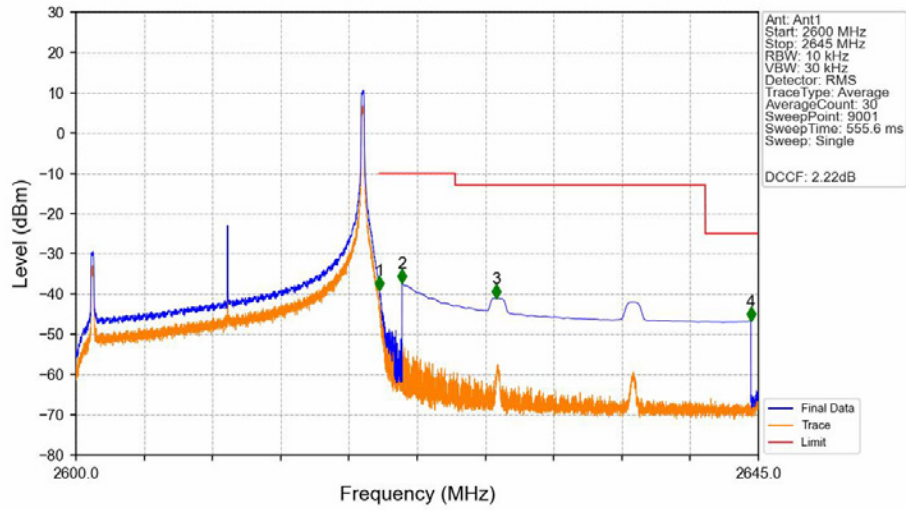
Band38_20MHz_16QAM_HCH_2610MHz_RB_1_0_NTNV



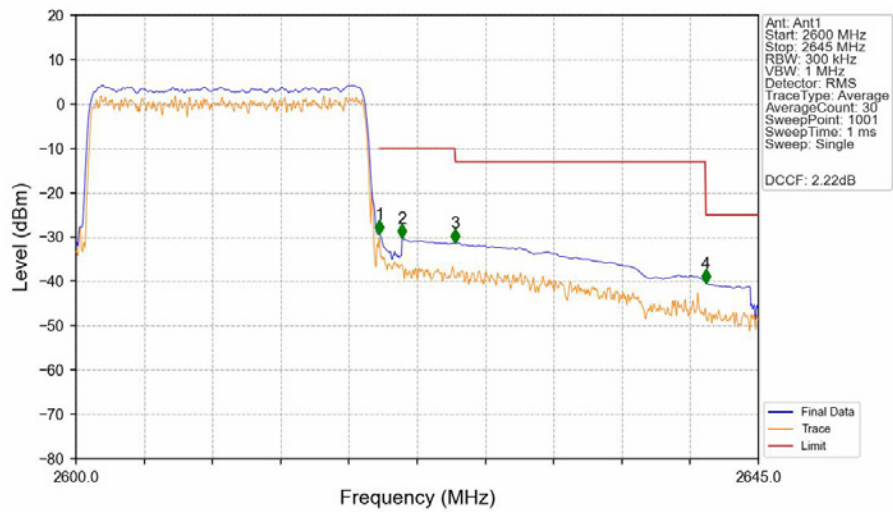
Band38_20MHz_16QAM_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_1_99_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



6. Radiated Spurious Emission

6.1 Test Result

LTE Band 38_Channel Bandwidth 5MHz_QPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Distance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5145	-45.92	7.15	3.00	9.88	-43.19	-25.00	18.19	H
7717.5	-51.75	8.36	3.00	11.36	-48.75	-25.00	23.75	H
5145	-48.67	7.15	3.00	9.88	-45.94	-25.00	20.94	V
7717.5	-54.15	8.36	3.00	11.36	-51.15	-25.00	26.15	V

LTE Band 38_Channel Bandwidth 5MHz_QPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Distance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190	-46.79	7.26	3.00	10.03	-44.02	-25.00	19.02	H
7785	-53.22	8.48	3.00	11.41	-50.29	-25.00	25.29	H
5190	-47.22	7.26	3.00	10.03	-44.45	-25.00	19.45	V
7785	-51.96	8.48	3.00	11.41	-49.03	-25.00	24.03	V

LTE Band 38_Channel Bandwidth 5MHz_QPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Distance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5235	-43.17	7.17	3.00	9.62	-40.72	-25.00	15.72	H
7852.5	-50.7	8.39	3.00	11.46	-47.63	-25.00	22.63	H
5235	-43.67	7.17	3.00	9.62	-41.22	-25.00	16.22	V
7852.5	-50.69	8.39	3.00	11.46	-47.62	-25.00	22.62	V

LTE Band 38_Channel Bandwidth 10MHz_QPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Distance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5150	-46.11	7.15	3.00	9.88	-43.38	-25.00	18.38	H
7725	-52	8.36	3.00	11.36	-49.00	-25.00	24	H
5150	-46.6	7.15	3.00	9.88	-43.87	-25.00	18.87	V
7725	-48.69	8.36	3.00	11.36	-45.69	-25.00	20.69	V

LTE Band 38_Channel Bandwidth 10MHz_QPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Distance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190	-44.48	7.26	3.00	10.03	-41.71	-25.00	16.71	H
7785	-52.97	8.48	3.00	11.41	-50.04	-25.00	25.04	H
5190	-47.19	7.26	3.00	10.03	-44.42	-25.00	19.42	V

7785	-49.38	8.48	3.00	11.41	-46.45	-25.00	21.45	V
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LTE Band 38_Channel Bandwidth 10MHz_QPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Distance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5230	-48.98	7.17	3.00	9.62	-46.53	-25.00	21.53	H
7845	-55.98	8.39	3.00	11.46	-52.91	-25.00	27.91	H
5230	-45.91	7.17	3.00	9.62	-43.46	-25.00	18.46	V
7845	-49.01	8.39	3.00	11.46	-45.94	-25.00	20.94	V

LTE Band 38_Channel Bandwidth 20MHz_QPSK_Low Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Distance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5160	-45.54	7.15	3.00	9.88	-42.81	-25.00	17.81	H
7740	-53.76	8.36	3.00	11.36	-50.76	-25.00	25.76	H
5160	-45.47	7.15	3.00	9.88	-42.74	-25.00	17.74	V
7740	-49.34	8.36	3.00	11.36	-46.34	-25.00	21.34	V

LTE Band 38_Channel Bandwidth 20MHz_QPSK_Middle Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Distance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190	-43.94	7.26	3.00	10.03	-41.17	-25.00	16.17	H
7785	-50.35	8.48	3.00	11.41	-47.42	-25.00	22.42	H
5190	-48.42	7.26	3.00	10.03	-45.65	-25.00	20.65	V
7785	-52.16	8.48	3.00	11.41	-49.23	-25.00	24.23	V

LTE Band 38_Channel Bandwidth 20MHz_QPSK_High Channel

Frequency (MHz)	P _{Mea} (dBm)	P _{cl} (dB)	Distance	G _a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5220	-46.8	7.17	3.00	9.62	-44.35	-25.00	19.35	H
7830	-49.92	8.39	3.00	11.46	-46.85	-25.00	21.85	H
5220	-45.06	7.17	3.00	9.62	-42.61	-25.00	17.61	V
7830	-52.5	8.39	3.00	11.46	-49.43	-25.00	24.43	V

1. $EIRP = P_{Mea}(dBm) - P_{cl}(dB) + G_a(dBi)$ 2. $Margin = Limit - EIRP$

3. We were not recorded other points as values lower than limits.