Appendix K for KSCR221000185708AT-LTE Band 38

1. Effective (Isotropic) Radiated Power Output Data

1.1 B38_5MHz_EIRP

1.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	22.51	0.50	23.01	<=33.01	Pass
			13	22.64	0.50	23.14	<=33.01	Pass
			24	22.51	0.50	23.01	<=33.01	Pass
		12	0	21.69	0.50	22.19	<=33.01	Pass
			6	21.76	0.50	22.26	<=33.01	Pass
			13	21.67	0.50	22.17	<=33.01	Pass
		25	0	21.66	0.50	22.16	<=33.01	Pass
	2595	1	0	22.34	0.50	22.84	<=33.01	Pass
			13	22.46	0.50	22.96	<=33.01	Pass
			24	22.33	0.50	22.83	<=33.01	Pass
		12	0	21.38	0.50	21.88	<=33.01	Pass
			6	21.49	0.50	21.99	<=33.01	Pass
			13	21.39	0.50	21.89	<=33.01	Pass
		25	0	21.37	0.50	21.87	<=33.01	Pass
	2617.5	1	0	22.00	0.50	22.50	<=33.01	Pass
			13	22.15	0.50	22.65	<=33.01	Pass
			24	21.91	0.50	22.41	<=33.01	Pass
		12	0	21.17	0.50	21.67	<=33.01	Pass
			6	21.12	0.50	21.62	<=33.01	Pass
			13	21.08	0.50	21.58	<=33.01	Pass
		25	0	21.15	0.50	21.65	<=33.01	Pass
16QAM	2572.5	1	0	21.64	0.50	22.14	<=33.01	Pass
			13	21.71	0.50	22.21	<=33.01	Pass
			24	21.52	0.50	22.02	<=33.01	Pass
		12	0	20.64	0.50	21.14	<=33.01	Pass
			6	20.74	0.50	21.24	<=33.01	Pass
			13	20.58	0.50	21.08	<=33.01	Pass
		25	0	20.66	0.50	21.16	<=33.01	Pass
	2595	1	0	21.29	0.50	21.79	<=33.01	Pass
			13	21.46	0.50	21.96	<=33.01	Pass
			24	21.31	0.50	21.81	<=33.01	Pass
		12	0	20.35	0.50	20.85	<=33.01	Pass
			6	20.35	0.50	20.85	<=33.01	Pass
			13	20.29	0.50	20.79	<=33.01	Pass
		25	0	20.38	0.50	20.88	<=33.01	Pass
	2617.5	1	0	21.24	0.50	21.74	<=33.01	Pass
			13	21.30	0.50	21.80	<=33.01	Pass
			24	21.16	0.50	21.66	<=33.01	Pass
		12	0	20.14	0.50	20.64	<=33.01	Pass
			6	20.19	0.50	20.69	<=33.01	Pass
			13	20.02	0.50	20.52	<=33.01	Pass

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		25	0	20.16	0.50	20.66	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B38_10MHz_EIRP

1.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	22.78	0.50	23.28	<=33.01	Pass
			25	22.81	0.50	23.31	<=33.01	Pass
			49	22.45	0.50	22.95	<=33.01	Pass
		25	0	21.72	0.50	22.22	<=33.01	Pass
			13	21.62	0.50	22.12	<=33.01	Pass
			25	21.58	0.50	22.08	<=33.01	Pass
		50	0	21.64	0.50	22.14	<=33.01	Pass
	2595	1	0	22.43	0.50	22.93	<=33.01	Pass
			25	22.67	0.50	23.17	<=33.01	Pass
			49	22.34	0.50	22.84	<=33.01	Pass
		25	0	21.45	0.50	21.95	<=33.01	Pass
			13	21.39	0.50	21.89	<=33.01	Pass
			25	21.39	0.50	21.89	<=33.01	Pass
		50	0	21.42	0.50	21.92	<=33.01	Pass
	2615	1	0	22.24	0.50	22.74	<=33.01	Pass
			25	22.34	0.50	22.84	<=33.01	Pass
			49	22.08	0.50	22.58	<=33.01	Pass
		25	0	21.21	0.50	21.71	<=33.01	Pass
			13	21.20	0.50	21.70	<=33.01	Pass
			25	21.13	0.50	21.63	<=33.01	Pass
		50	0	21.20	0.50	21.70	<=33.01	Pass
16QAM	2575	1	0	21.82	0.50	22.32	<=33.01	Pass
			25	21.84	0.50	22.34	<=33.01	Pass
			49	21.47	0.50	21.97	<=33.01	Pass
		25	0	20.68	0.50	21.18	<=33.01	Pass
			13	20.59	0.50	21.09	<=33.01	Pass
			25	20.53	0.50	21.03	<=33.01	Pass
		50	0	20.67	0.50	21.17	<=33.01	Pass
	2595	1	0	21.26	0.50	21.76	<=33.01	Pass
			25	21.39	0.50	21.89	<=33.01	Pass
			49	21.26	0.50	21.76	<=33.01	Pass
		25	0	20.48	0.50	20.98	<=33.01	Pass
			13	20.40	0.50	20.90	<=33.01	Pass
			25	20.35	0.50	20.85	<=33.01	Pass
		50	0	20.39	0.50	20.89	<=33.01	Pass
	2615	1	0	21.21	0.50	21.71	<=33.01	Pass
			25	21.02	0.50	21.52	<=33.01	Pass
			49	21.00	0.50	21.50	<=33.01	Pass
		25	0	20.26	0.50	20.76	<=33.01	Pass
			13	20.21	0.50	20.71	<=33.01	Pass
			25	20.11	0.50	20.61	<=33.01	Pass
		50	0	20.16	0.50	20.66	<=33.01	Pass

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Note1: EIRP=Conducted Power+Antenna Gain

1.3 B38_15MHz_EIRP

1.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	22.72	0.50	23.22	<=33.01	Pass
			38	22.53	0.50	23.03	<=33.01	Pass
			74	22.35	0.50	22.85	<=33.01	Pass
		36	0	21.69	0.50	22.19	<=33.01	Pass
			18	21.66	0.50	22.16	<=33.01	Pass
			39	21.56	0.50	22.06	<=33.01	Pass
		75	0	21.68	0.50	22.18	<=33.01	Pass
	2595	1	0	22.31	0.50	22.81	<=33.01	Pass
			38	22.44	0.50	22.94	<=33.01	Pass
			74	22.32	0.50	22.82	<=33.01	Pass
		36	0	21.49	0.50	21.99	<=33.01	Pass
			18	21.48	0.50	21.98	<=33.01	Pass
			39	21.46	0.50	21.96	<=33.01	Pass
		75	0	21.48	0.50	21.98	<=33.01	Pass
	2612.5	1	0	22.16	0.50	22.66	<=33.01	Pass
			38	22.21	0.50	22.71	<=33.01	Pass
			74	21.97	0.50	22.47	<=33.01	Pass
		36	0	21.39	0.50	21.89	<=33.01	Pass
			18	21.30	0.50	21.80	<=33.01	Pass
			39	21.18	0.50	21.68	<=33.01	Pass
		75	0	21.28	0.50	21.78	<=33.01	Pass
16QAM	2577.5	1	0	21.69	0.50	22.19	<=33.01	Pass
			38	21.37	0.50	21.87	<=33.01	Pass
			74	21.11	0.50	21.61	<=33.01	Pass
		36	0	20.64	0.50	21.14	<=33.01	Pass
			18	20.67	0.50	21.17	<=33.01	Pass
			39	20.47	0.50	20.97	<=33.01	Pass
		75	0	20.60	0.50	21.10	<=33.01	Pass
	2595	1	0	21.22	0.50	21.72	<=33.01	Pass
			38	21.33	0.50	21.83	<=33.01	Pass
			74	21.18	0.50	21.68	<=33.01	Pass
		36	0	20.40	0.50	20.90	<=33.01	Pass
			18	20.40	0.50	20.90	<=33.01	Pass
			39	20.34	0.50	20.84	<=33.01	Pass
		75	0	20.43	0.50	20.93	<=33.01	Pass
	2612.5	1	0	21.27	0.50	21.77	<=33.01	Pass
			38	21.27	0.50	21.77	<=33.01	Pass
			74	20.93	0.50	21.43	<=33.01	Pass
		36	0	20.30	0.50	20.80	<=33.01	Pass
			18	20.25	0.50	20.75	<=33.01	Pass
			39	20.16	0.50	20.66	<=33.01	Pass
		75	0	20.29	0.50	20.79	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

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1.4 B38_20MHz_EIRP

1.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	22.43	0.50	22.93	<=33.01	Pass
			50	22.74	0.50	23.24	<=33.01	Pass
			99	22.12	0.50	22.62	<=33.01	Pass
		50	0	21.53	0.50	22.03	<=33.01	Pass
			25	21.52	0.50	22.02	<=33.01	Pass
			50	21.37	0.50	21.87	<=33.01	Pass
		100	0	21.50	0.50	22.00	<=33.01	Pass
	2595	1	0	22.03	0.50	22.53	<=33.01	Pass
			50	22.52	0.50	23.02	<=33.01	Pass
			99	22.10	0.50	22.60	<=33.01	Pass
		50	0	21.34	0.50	21.84	<=33.01	Pass
			25	21.36	0.50	21.86	<=33.01	Pass
			50	21.33	0.50	21.83	<=33.01	Pass
		100	0	21.36	0.50	21.86	<=33.01	Pass
	2610	1	0	22.12	0.50	22.62	<=33.01	Pass
			50	22.26	0.50	22.76	<=33.01	Pass
			99	21.74	0.50	22.24	<=33.01	Pass
		50	0	21.33	0.50	21.83	<=33.01	Pass
			25	21.29	0.50	21.79	<=33.01	Pass
			50	21.11	0.50	21.61	<=33.01	Pass
		100	0	21.27	0.50	21.77	<=33.01	Pass
16QAM	2580	1	0	21.45	0.50	21.95	<=33.01	Pass
			50	21.49	0.50	21.99	<=33.01	Pass
			99	21.29	0.50	21.79	<=33.01	Pass
		50	0	20.55	0.50	21.05	<=33.01	Pass
			25	20.45	0.50	20.95	<=33.01	Pass
			50	20.35	0.50	20.85	<=33.01	Pass
		100	0	20.47	0.50	20.97	<=33.01	Pass
	2595	1	0	20.84	0.50	21.34	<=33.01	Pass
			50	21.69	0.50	22.19	<=33.01	Pass
			99	20.79	0.50	21.29	<=33.01	Pass
		50	0	20.34	0.50	20.84	<=33.01	Pass
			25	20.41	0.50	20.91	<=33.01	Pass
			50	20.29	0.50	20.79	<=33.01	Pass
		100	0	20.35	0.50	20.85	<=33.01	Pass
	2610	1	0	21.11	0.50	21.61	<=33.01	Pass
			50	21.47	0.50	21.97	<=33.01	Pass
			99	20.78	0.50	21.28	<=33.01	Pass
		50	0	20.32	0.50	20.82	<=33.01	Pass
			25	20.28	0.50	20.78	<=33.01	Pass
			50	20.06	0.50	20.56	<=33.01	Pass
		100	0	20.24	0.50	20.74	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

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2. Frequency Stability

2.1 B38_5MHz

2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	3.23	-8.540	-0.0033	-2.5 to 2.5	Pass
					3.80	-9.513	-0.0037	-2.5 to 2.5	Pass
					4.37	-7.854	-0.0031	-2.5 to 2.5	Pass
				-30	3.80	-12.159	-0.0047	-2.5 to 2.5	Pass
				-20	3.80	-10.343	-0.0040	-2.5 to 2.5	Pass
				-10	3.80	-13.103	-0.0051	-2.5 to 2.5	Pass
				0	3.80	-12.460	-0.0048	-2.5 to 2.5	Pass
				10	3.80	-21.701	-0.0084	-2.5 to 2.5	Pass
				30	3.80	-17.724	-0.0069	-2.5 to 2.5	Pass
				40	3.80	-21.186	-0.0082	-2.5 to 2.5	Pass
				50	3.80	-26.336	-0.0102	-2.5 to 2.5	Pass
	2595	25	0	20	3.23	-11.516	-0.0044	-2.5 to 2.5	Pass
					3.80	-7.024	-0.0027	-2.5 to 2.5	Pass
					4.37	-10.400	-0.0040	-2.5 to 2.5	Pass
				-30	3.80	-17.309	-0.0067	-2.5 to 2.5	Pass
				-20	3.80	-15.864	-0.0061	-2.5 to 2.5	Pass
				-10	3.80	-11.902	-0.0046	-2.5 to 2.5	Pass
				0	3.80	-13.604	-0.0052	-2.5 to 2.5	Pass
				10	3.80	-10.486	-0.0040	-2.5 to 2.5	Pass
				30	3.80	-19.512	-0.0075	-2.5 to 2.5	Pass
				40	3.80	-17.753	-0.0068	-2.5 to 2.5	Pass
				50	3.80	-17.638	-0.0068	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.23	-0.544	-0.0002	-2.5 to 2.5	Pass
					3.80	-1.774	-0.0007	-2.5 to 2.5	Pass
					4.37	-9.670	-0.0037	-2.5 to 2.5	Pass
				-30	3.80	-7.610	-0.0029	-2.5 to 2.5	Pass
				-20	3.80	-11.945	-0.0046	-2.5 to 2.5	Pass
				-10	3.80	-6.595	-0.0025	-2.5 to 2.5	Pass
				0	3.80	-6.080	-0.0023	-2.5 to 2.5	Pass
				10	3.80	-4.992	-0.0019	-2.5 to 2.5	Pass
				30	3.80	-7.467	-0.0029	-2.5 to 2.5	Pass
				40	3.80	-14.963	-0.0057	-2.5 to 2.5	Pass
				50	3.80	-12.259	-0.0047	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.23	-21.229	-0.0083	-2.5 to 2.5	Pass
					3.80	-22.817	-0.0089	-2.5 to 2.5	Pass
					4.37	-27.466	-0.0107	-2.5 to 2.5	Pass
				-30	3.80	-19.541	-0.0076	-2.5 to 2.5	Pass
				-20	3.80	-18.597	-0.0072	-2.5 to 2.5	Pass
				-10	3.80	-21.787	-0.0085	-2.5 to 2.5	Pass
				0	3.80	-31.357	-0.0122	-2.5 to 2.5	Pass
				10	3.80	-31.013	-0.0121	-2.5 to 2.5	Pass
				30	3.80	-30.112	-0.0117	-2.5 to 2.5	Pass
				40	3.80	-30.084	-0.0117	-2.5 to 2.5	Pass
				50	3.80	-27.494	-0.0107	-2.5 to 2.5	Pass

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				20	3.23	-23.346	-0.0090	-2.5 to 2.5	Pass
					3.80	-18.325	-0.0071	-2.5 to 2.5	Pass
					4.37	-18.940	-0.0073	-2.5 to 2.5	Pass
				-30	3.80	-2.975	-0.0011	-2.5 to 2.5	Pass
				-20	3.80	-15.121	-0.0058	-2.5 to 2.5	Pass
	2595	25	0	-10	3.80	-9.928	-0.0038	-2.5 to 2.5	Pass
				0	3.80	-4.277	-0.0016	-2.5 to 2.5	Pass
				10	3.80	-10.285	-0.0040	-2.5 to 2.5	Pass
				30	3.80	-6.666	-0.0026	-2.5 to 2.5	Pass
				40	3.80	-15.478	-0.0060	-2.5 to 2.5	Pass
				50	3.80	-5.522	-0.0021	-2.5 to 2.5	Pass
				20	3.23	-13.876	-0.0053	-2.5 to 2.5	Pass
					3.80	-10.428	-0.0040	-2.5 to 2.5	Pass
					4.37	-2.689	-0.0010	-2.5 to 2.5	Pass
				-30	3.80	4.849	0.0019	-2.5 to 2.5	Pass
				-20	3.80	1.116	0.0004	-2.5 to 2.5	Pass
	2617.5	25	0	-10	3.80	2.689	0.0010	-2.5 to 2.5	Pass
				0	3.80	-0.286	-0.0001	-2.5 to 2.5	Pass
				10	3.80	7.424	0.0028	-2.5 to 2.5	Pass
				30	3.80	-8.512	-0.0033	-2.5 to 2.5	Pass
				40	3.80	-5.722	-0.0022	-2.5 to 2.5	Pass
				50	3.80	-4.478	-0.0017	-2.5 to 2.5	Pass

2.2 B38_10MHz

2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
				20	3.27	-7.296	-0.0028	-2.5 to 2.5	Pass
					3.85	-6.866	-0.0027	-2.5 to 2.5	Pass
					4.43	-9.813	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-6.895	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-2.260	-0.0009	-2.5 to 2.5	Pass
	2575	50	0	-10	3.85	-8.469	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-2.890	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-5.479	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-5.064	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-11.559	-0.0045	-2.5 to 2.5	Pass
QPSK				50	3.85	-5.465	-0.0021	-2.5 to 2.5	Pass
				20	3.27	7.496	0.0029	-2.5 to 2.5	Pass
					3.85	-7.482	-0.0029	-2.5 to 2.5	Pass
					4.43	-14.505	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-4.120	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-6.838	-0.0026	-2.5 to 2.5	Pass
	2595	50	0	-10	3.85	-5.636	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-9.785	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-10.872	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-8.526	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-4.849	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-7.010	-0.0027	-2.5 to 2.5	Pass

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				20	3.27	-4.735	-0.0018	-2.5 to 2.5	Pass
					3.85	-11.573	-0.0044	-2.5 to 2.5	Pass
					4.43	-3.748	-0.0014	-2.5 to 2.5	Pass
	2615	50	0	-30	3.85	-2.160	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-13.003	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-6.537	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-7.524	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-2.761	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-4.835	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.018	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-5.007	-0.0019	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	3.27	-2.718	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
					4.43	-12.288	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-9.942	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	0.930	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.917	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-6.194	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-2.575	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-8.740	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-5.736	-0.0022	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-10.629	-0.0041	-2.5 to 2.5	Pass
					3.85	-7.782	-0.0030	-2.5 to 2.5	Pass
					4.43	-1.531	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-11.072	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-7.224	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-13.833	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-7.582	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-7.782	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-12.574	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-8.926	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-13.375	-0.0052	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-5.679	-0.0022	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0022	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.402	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.762	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-7.653	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-11.244	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-3.734	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-11.230	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-3.505	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass

2.3 B38_15MHz

2.3.1 Test Result

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	

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				20	3.27	-6.866	-0.0027	-2.5 to 2.5	Pass
					3.85	-5.507	-0.0021	-2.5 to 2.5	Pass
					4.43	-8.569	-0.0033	-2.5 to 2.5	Pass
	2577.5	75	0	-30	3.85	-3.190	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-8.683	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-4.535	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.845	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-5.465	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-10.557	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-6.509	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-5.407	-0.0021	-2.5 to 2.5	Pass
				20	3.27	-6.580	-0.0025	-2.5 to 2.5	Pass
					3.85	-4.191	-0.0016	-2.5 to 2.5	Pass
					4.43	-5.980	-0.0023	-2.5 to 2.5	Pass
	2595	75	0	-30	3.85	-1.774	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
QPSK				-10	3.85	-3.147	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.801	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-8.311	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-5.851	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-4.420	-0.0017	-2.5 to 2.5	Pass
				20	3.27	-5.722	-0.0022	-2.5 to 2.5	Pass
					3.85	-1.602	-0.0006	-2.5 to 2.5	Pass
					4.43	-6.251	-0.0024	-2.5 to 2.5	Pass
	2612.5	75	0	-30	3.85	-8.512	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-5.307	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-9.298	-0.0036	-2.5 to 2.5	Pass
				0	3.85	1.230	0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.134	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-4.921	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-4.249	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.718	-0.0010	-2.5 to 2.5	Pass
				20	3.27	-5.593	-0.0022	-2.5 to 2.5	Pass
					3.85	0.744	0.0003	-2.5 to 2.5	Pass
					4.43	-10.457	-0.0041	-2.5 to 2.5	Pass
	2577.5	75	0	-30	3.85	-3.147	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-7.310	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-4.063	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-6.781	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-4.077	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.629	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-11.029	-0.0043	-2.5 to 2.5	Pass
16QAM				50	3.85	-6.752	-0.0026	-2.5 to 2.5	Pass
				20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	-9.198	-0.0035	-2.5 to 2.5	Pass
					4.43	-3.920	-0.0015	-2.5 to 2.5	Pass
	2595	75	0	-30	3.85	0.930	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-4.506	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.704	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-6.852	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-3.333	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-5.651	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.204	-0.0012	-2.5 to 2.5	Pass

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				50	3.85	-4.892	-0.0019	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	5.078	0.0019	-2.5 to 2.5	Pass
					3.85	-12.932	-0.0050	-2.5 to 2.5	Pass
					4.43	-0.887	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.031	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.389	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.648	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.388	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.702	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-5.665	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.576	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-7.968	-0.0030	-2.5 to 2.5	Pass

2.4 B38_20MHz

2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.27	-9.871	-0.0038	-2.5 to 2.5	Pass
					3.85	-7.753	-0.0030	-2.5 to 2.5	Pass
					4.43	-6.266	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-7.839	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-9.341	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-5.679	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-8.054	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-9.184	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-10.014	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-7.381	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-13.547	-0.0053	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-2.503	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.233	-0.0012	-2.5 to 2.5	Pass
					4.43	-5.851	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-7.381	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-4.506	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-5.150	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-5.550	-0.0021	-2.5 to 2.5	Pass
				10	3.85	2.532	0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.073	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-13.533	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-6.981	-0.0027	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-10.743	-0.0041	-2.5 to 2.5	Pass
					3.85	-1.316	-0.0005	-2.5 to 2.5	Pass
					4.43	-12.345	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-5.307	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-12.217	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-10.529	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-7.524	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-9.584	-0.0037	-2.5 to 2.5	Pass
				30	3.85	1.745	0.0007	-2.5 to 2.5	Pass
				40	3.85	-6.895	-0.0026	-2.5 to 2.5	Pass

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				50	3.85	-1.445	-0.0006	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	3.27	-4.406	-0.0017	-2.5 to 2.5	Pass
					3.85	-4.778	-0.0019	-2.5 to 2.5	Pass
					4.43	-11.230	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-2.618	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-6.838	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-5.980	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-10.772	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-9.928	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-6.080	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-14.248	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-7.410	-0.0029	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-3.705	-0.0014	-2.5 to 2.5	Pass
					3.85	-12.245	-0.0047	-2.5 to 2.5	Pass
					4.43	-7.596	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-6.809	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-4.749	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-12.360	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-5.050	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-8.655	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-8.769	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-6.752	-0.0026	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-12.689	-0.0049	-2.5 to 2.5	Pass
					3.85	0.615	0.0002	-2.5 to 2.5	Pass
					4.43	-10.986	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-3.748	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-13.819	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-3.891	-0.0015	-2.5 to 2.5	Pass
				10	3.85	0.443	0.0002	-2.5 to 2.5	Pass
				30	3.85	-7.439	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-6.595	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-10.114	-0.0039	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Band38_OBW

3.1.1 Test Result

Band: 38 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2572.5	25	0	4.537	Pass
		2595	25	0	4.540	Pass
		2617.5	25	0	4.545	Pass
	16QAM	2572.5	25	0	4.536	Pass
		2595	25	0	4.523	Pass
		2617.5	25	0	4.531	Pass
10	QPSK	2575	50	0	9.041	Pass
		2595	50	0	9.043	Pass

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		2615	50	0	9.058	Pass
	16QAM	2575	50	0	9.068	Pass
		2595	50	0	9.071	Pass
		2615	50	0	9.057	Pass
15	QPSK	2577.5	75	0	13.613	Pass
		2595	75	0	13.580	Pass
		2612.5	75	0	13.557	Pass
	16QAM	2577.5	75	0	13.590	Pass
		2595	75	0	13.561	Pass
		2612.5	75	0	13.613	Pass
20	QPSK	2580	100	0	18.112	Pass
		2595	100	0	18.059	Pass
		2610	100	0	18.100	Pass
	16QAM	2580	100	0	18.053	Pass
		2595	100	0	18.128	Pass
		2610	100	0	18.160	Pass

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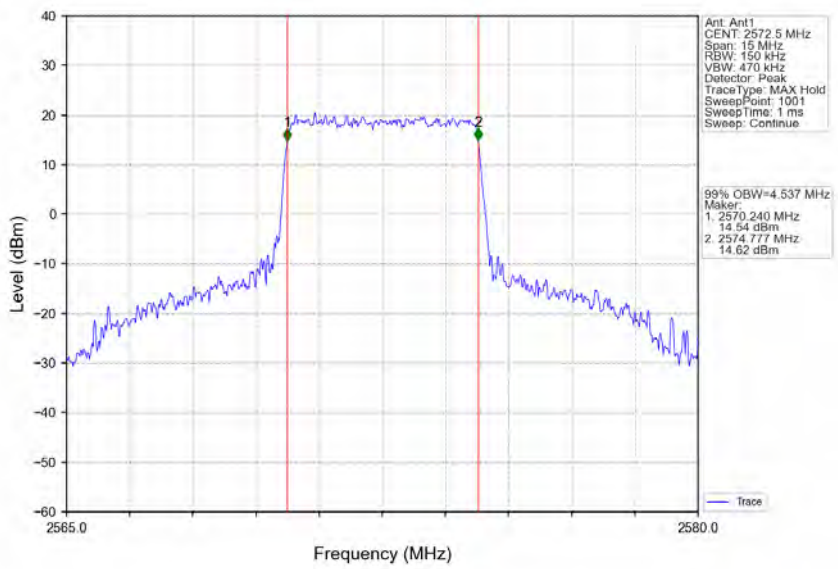
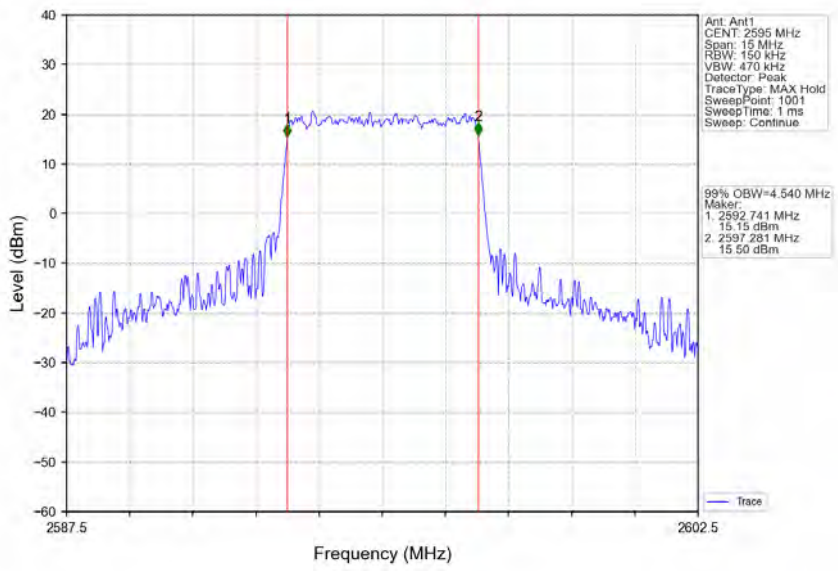
3.1.2 Test Graph

Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV



Band38_5MHz_QPSK_MCH_2595MHz_RB_25_0_NTNV



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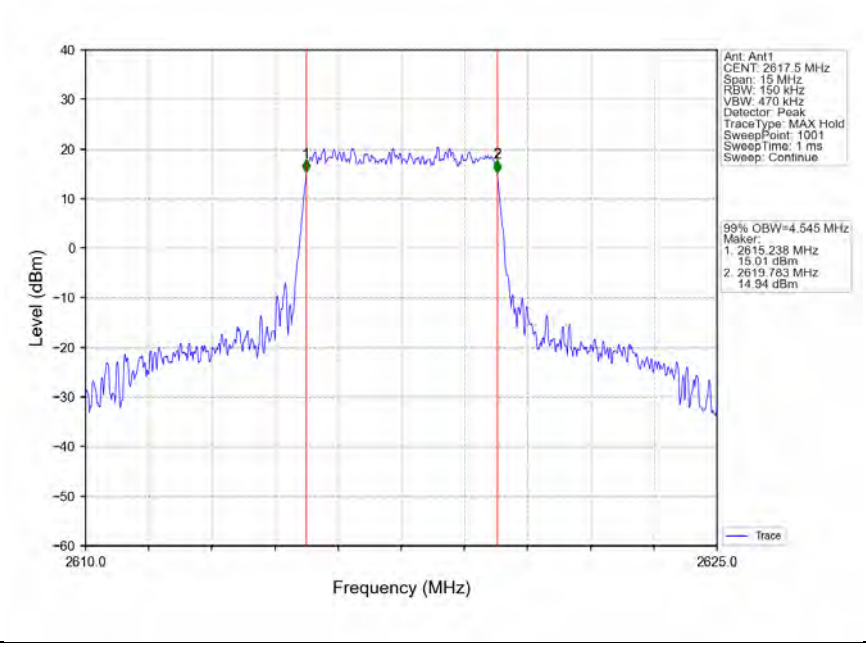
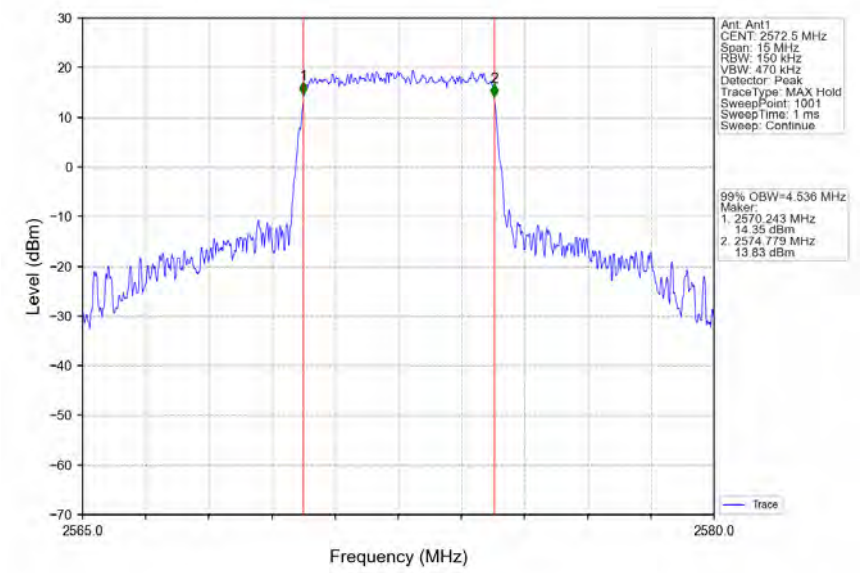
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



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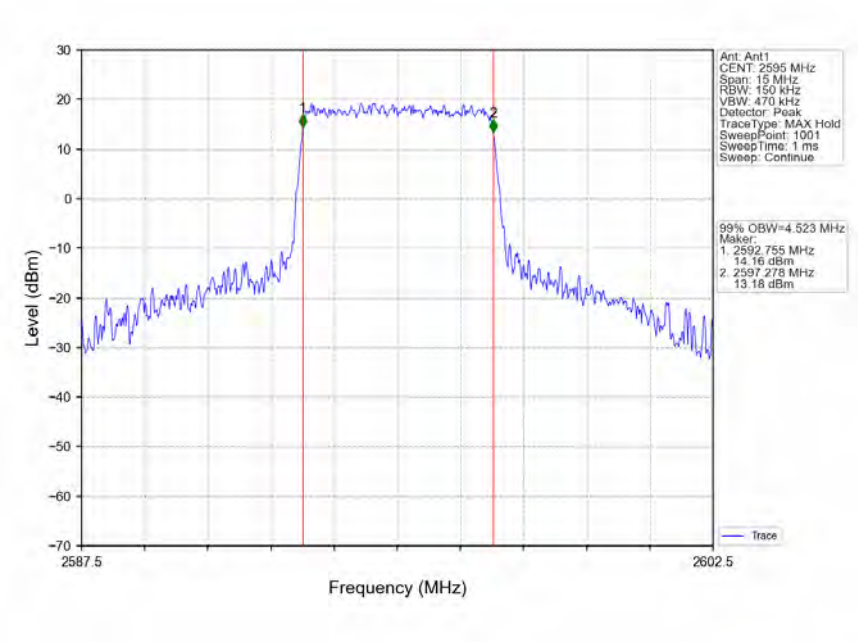
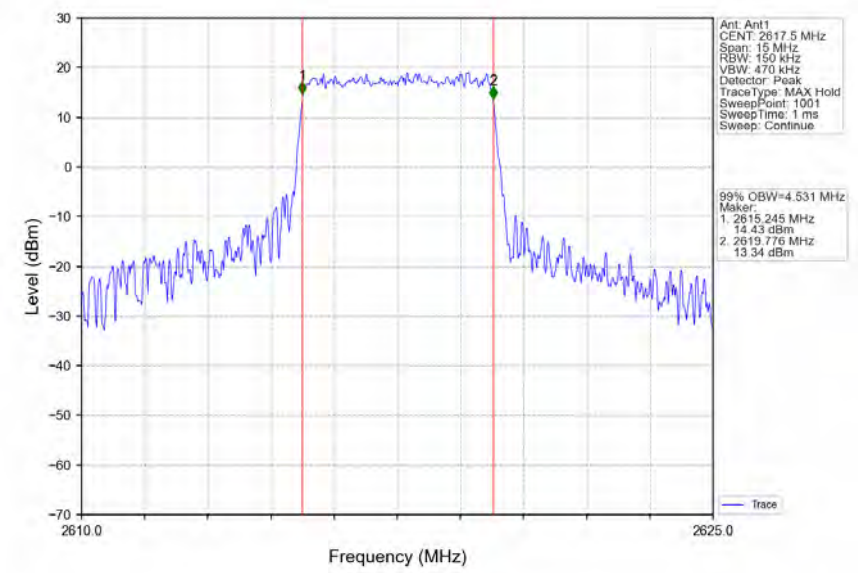
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



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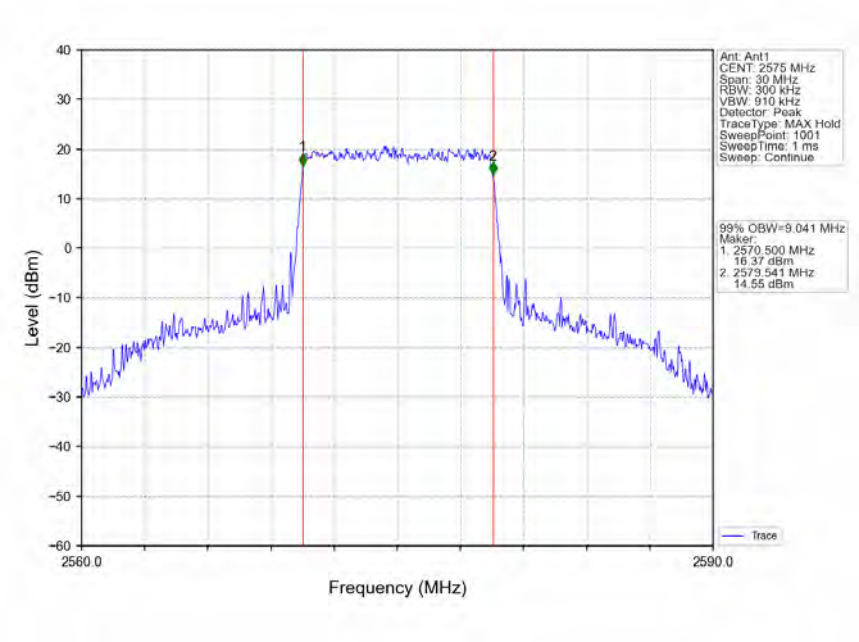
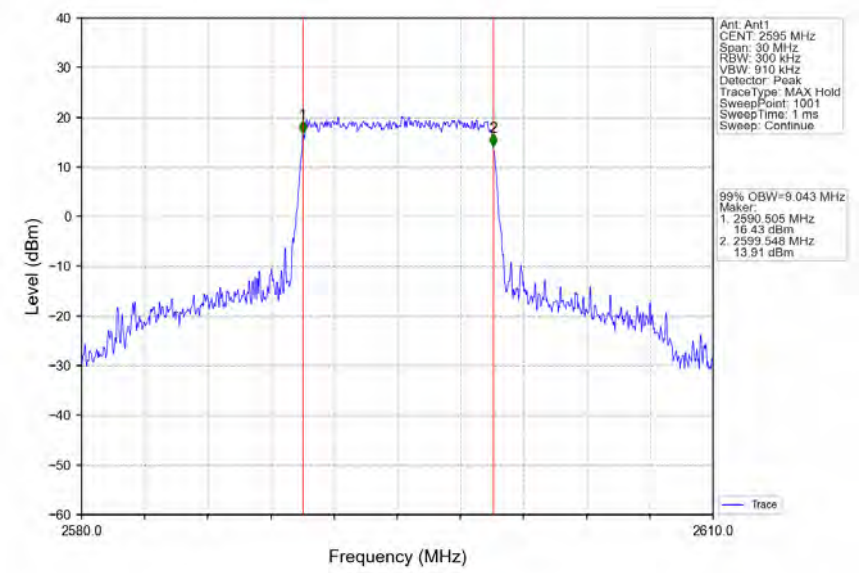
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



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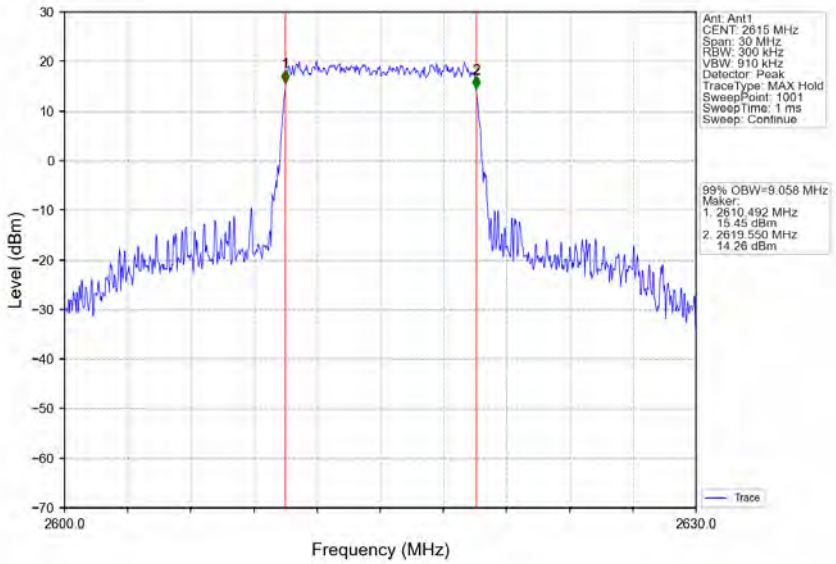
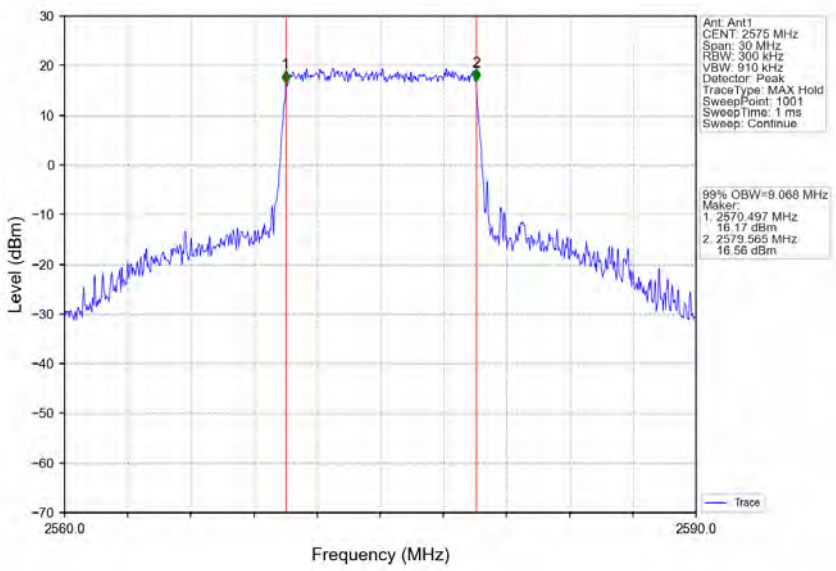
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



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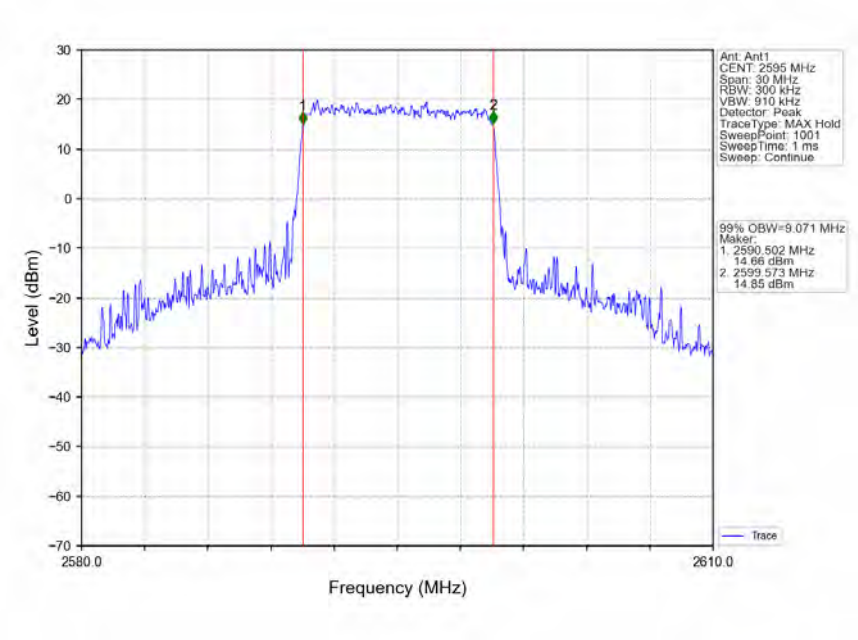
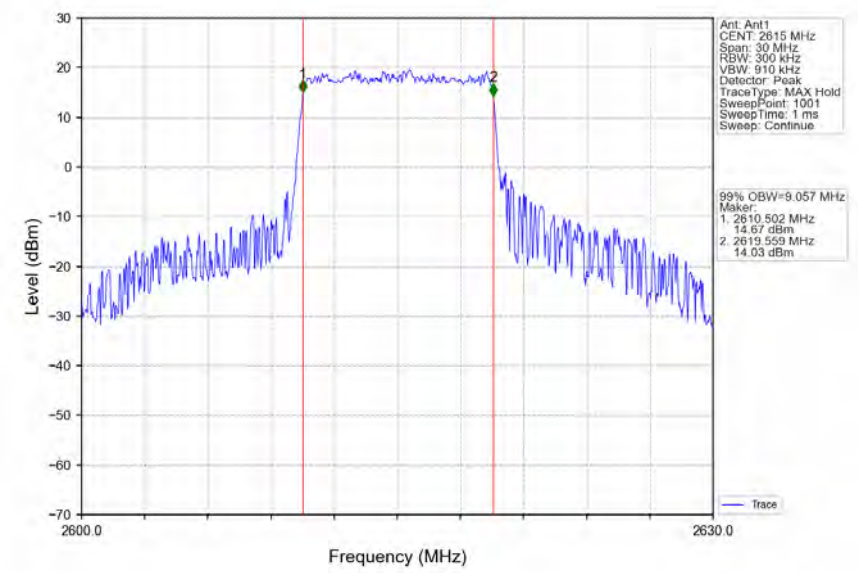
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



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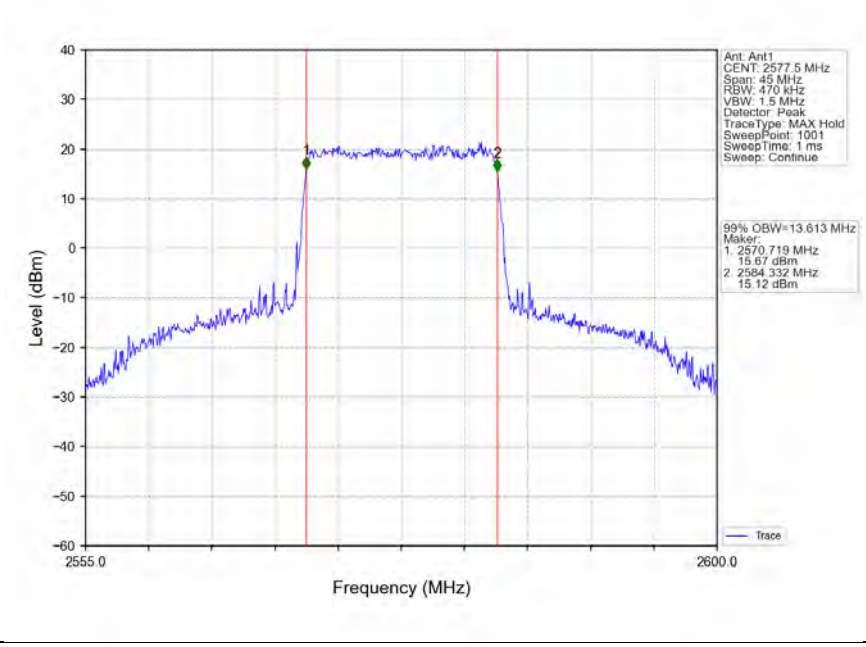
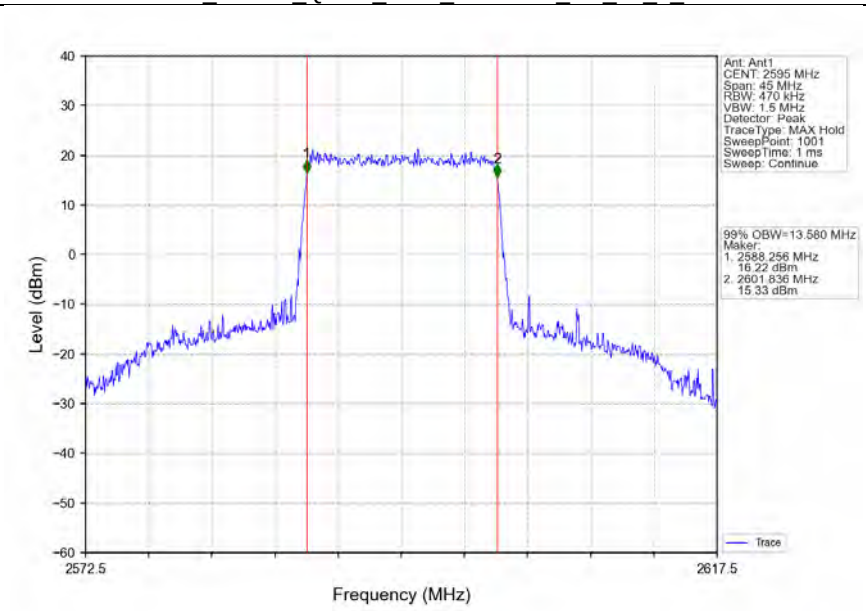
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



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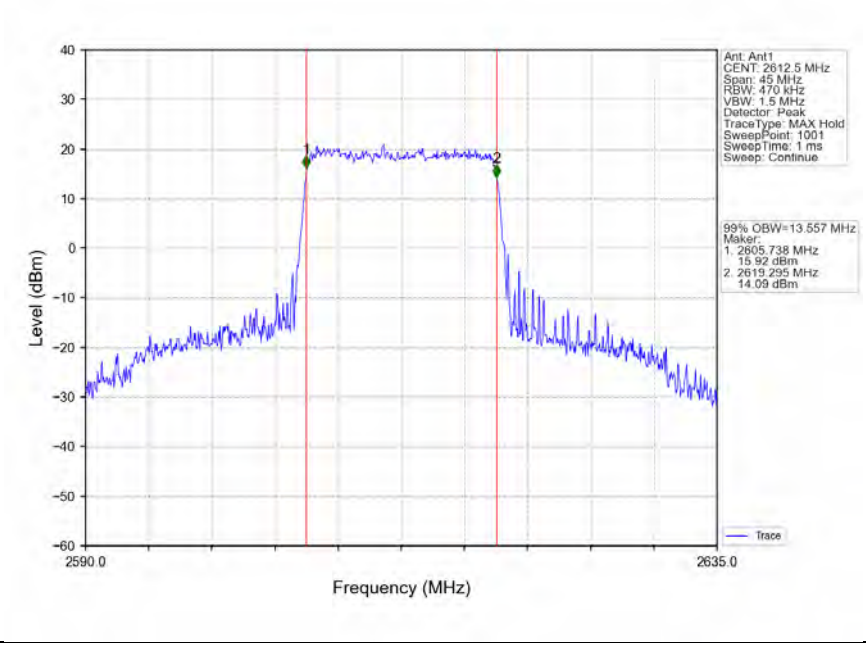
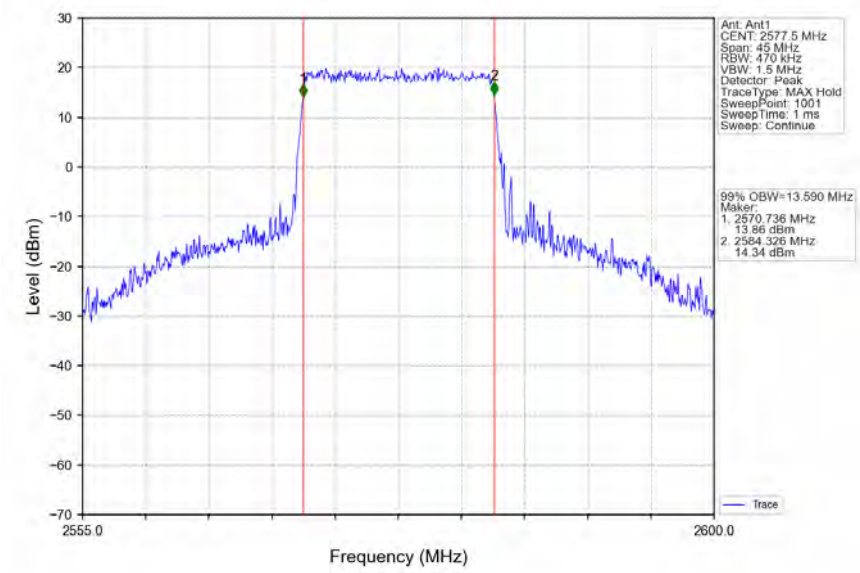


Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



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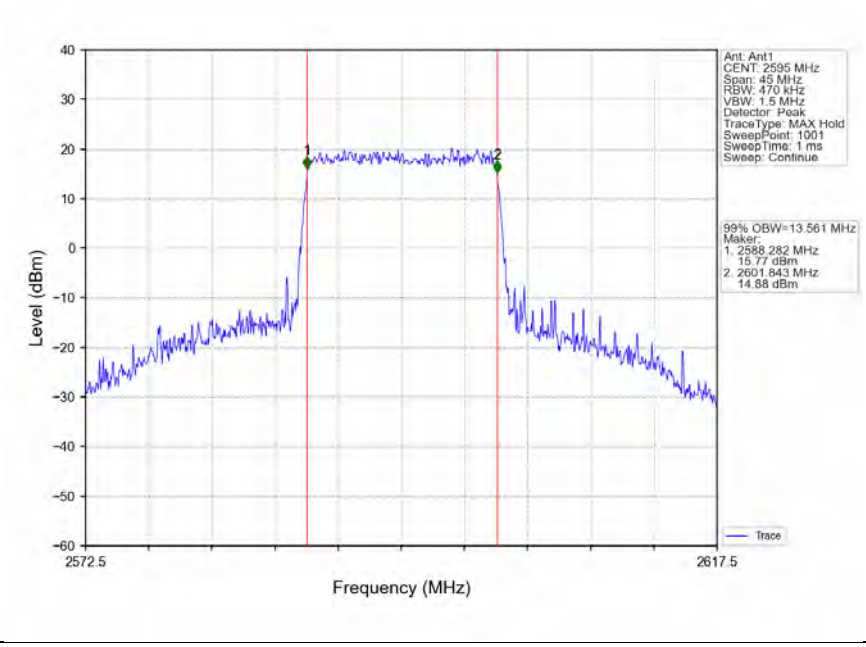
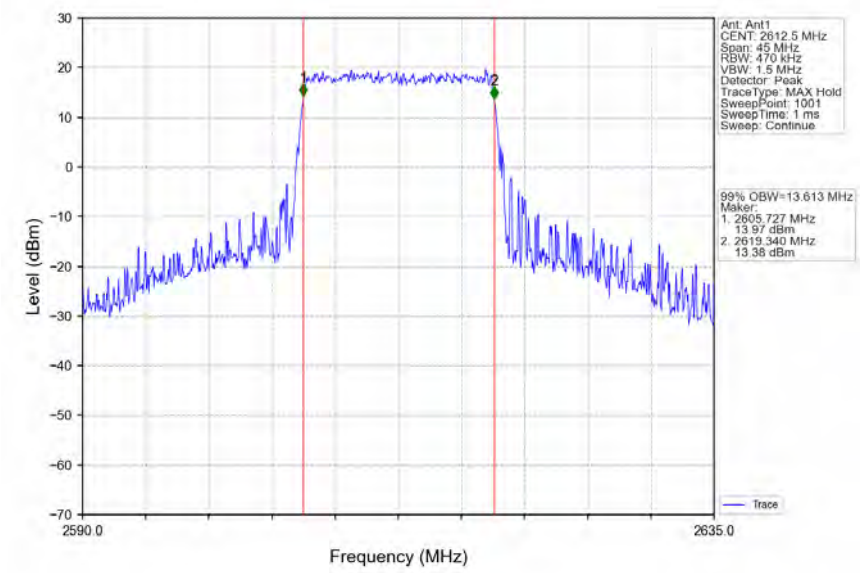
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



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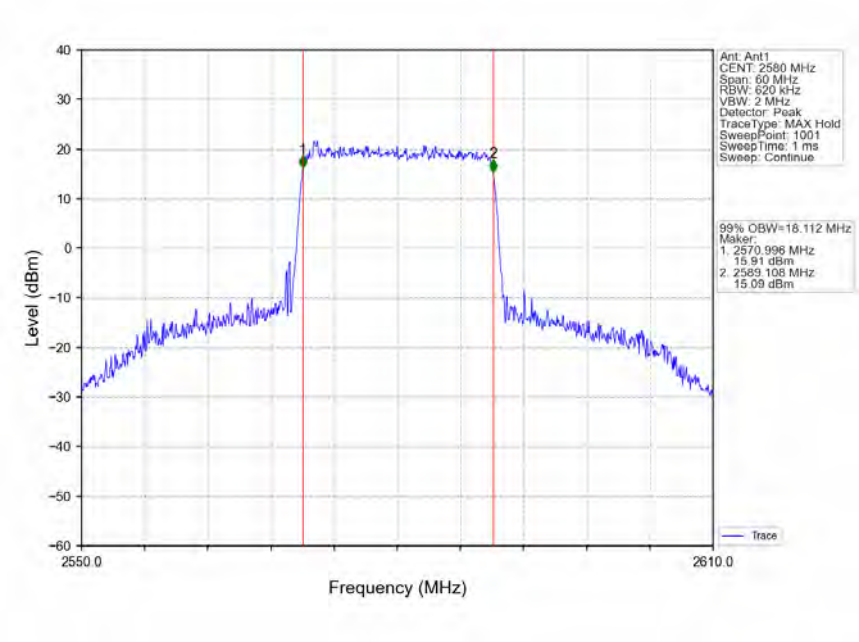
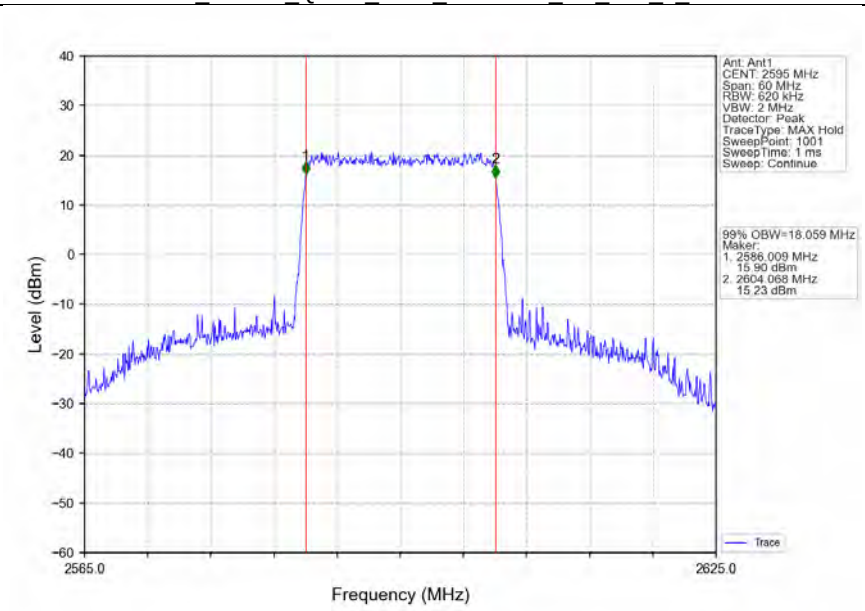
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



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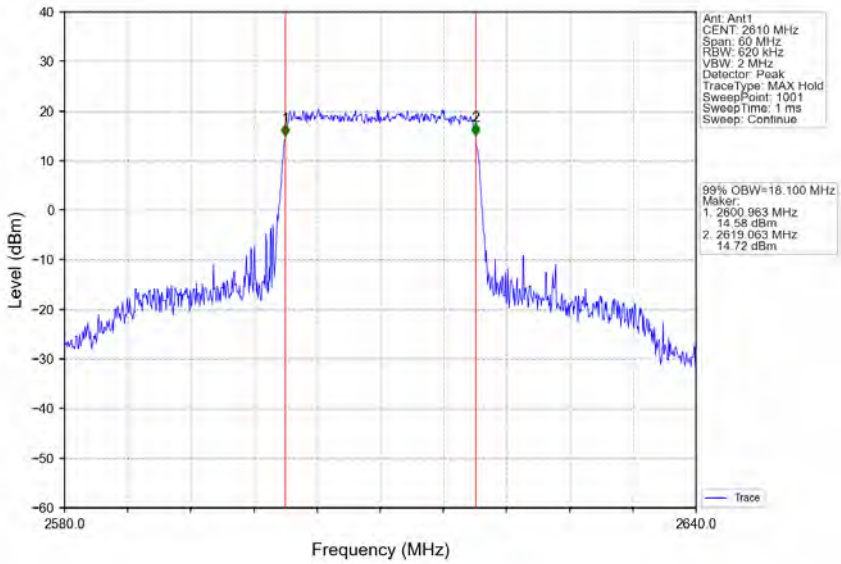
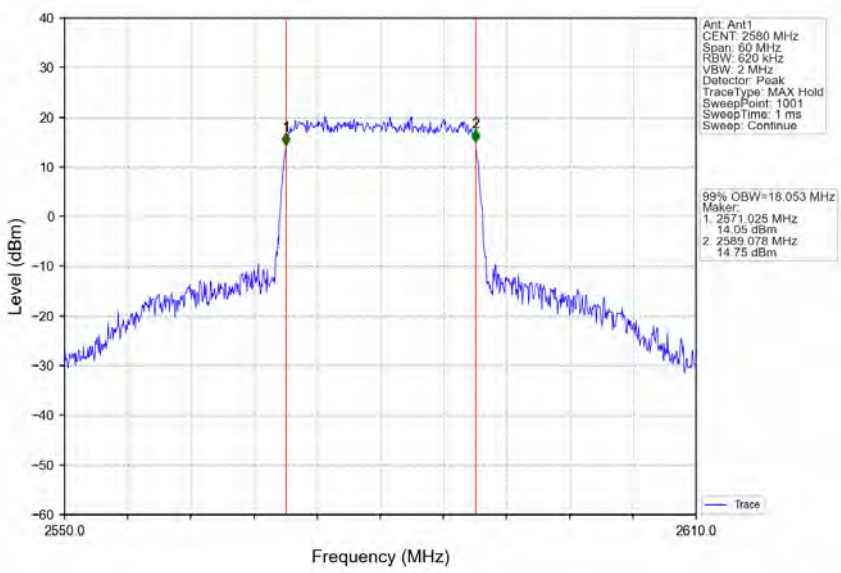
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



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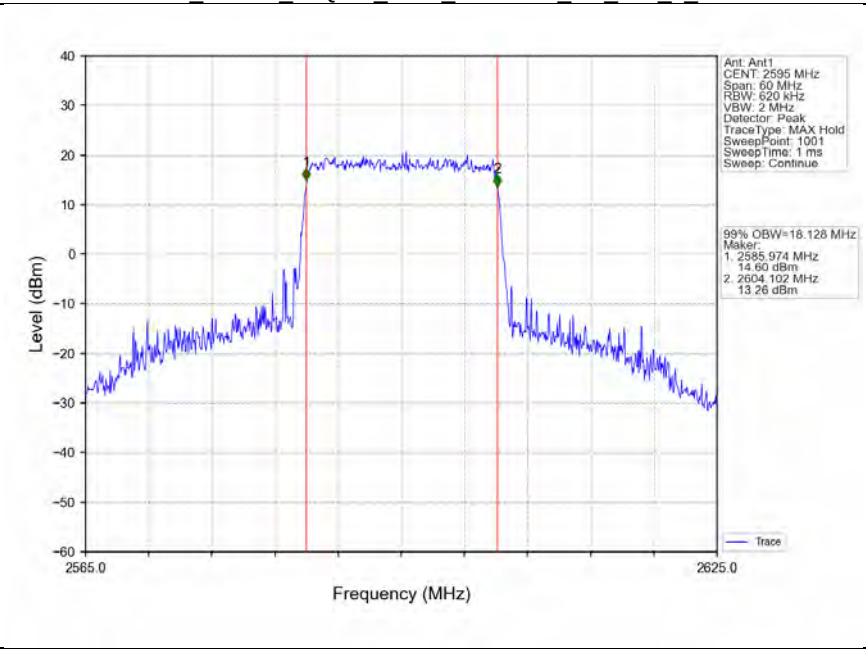
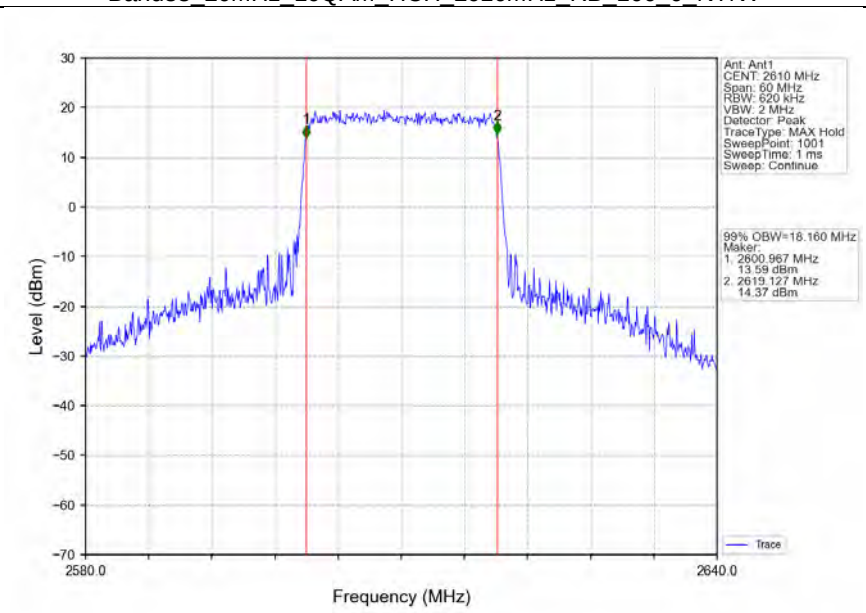
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



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3.2 Band38_XDB

3.2.1 Test Result

Band: 38 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2572.5	25	0	5.031	Pass
		2595	25	0	5.266	Pass
		2617.5	25	0	5.037	Pass
	16QAM	2572.5	25	0	5.012	Pass
		2595	25	0	4.997	Pass
		2617.5	25	0	5.276	Pass
10	QPSK	2575	50	0	10.088	Pass
		2595	50	0	9.963	Pass
		2615	50	0	10.066	Pass
	16QAM	2575	50	0	10.026	Pass
		2595	50	0	10.263	Pass
		2615	50	0	11.380	Pass
15	QPSK	2577.5	75	0	14.927	Pass
		2595	75	0	14.807	Pass
		2612.5	75	0	15.877	Pass
	16QAM	2577.5	75	0	15.567	Pass
		2595	75	0	15.607	Pass
		2612.5	75	0	17.017	Pass
20	QPSK	2580	100	0	20.161	Pass
		2595	100	0	19.752	Pass
		2610	100	0	20.793	Pass
	16QAM	2580	100	0	19.584	Pass
		2595	100	0	21.144	Pass
		2610	100	0	19.882	Pass

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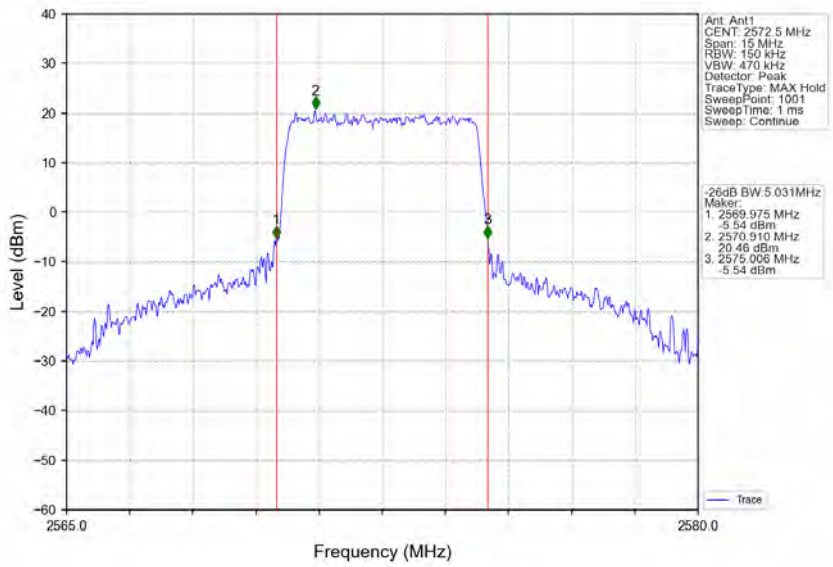
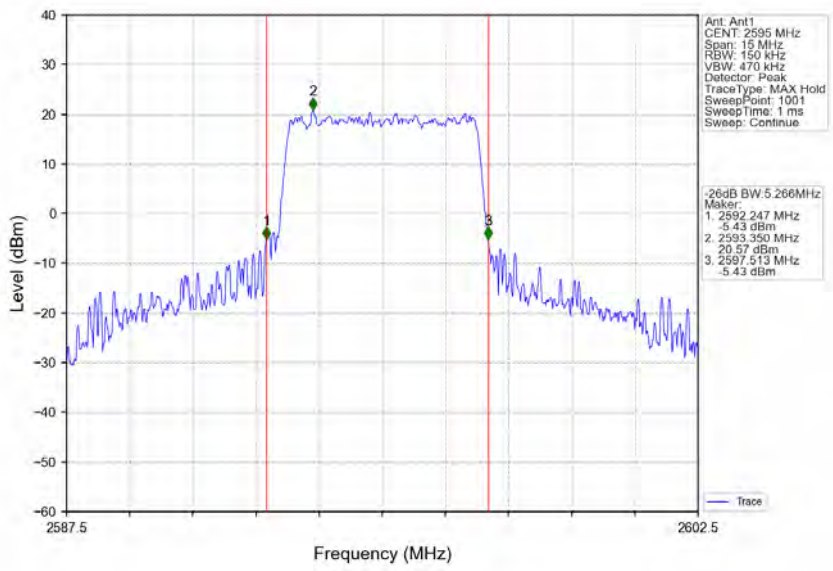
3.2.2 Test Graph

Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV



Band38_5MHz_QPSK_MCH_2595MHz_RB_25_0_NTNV



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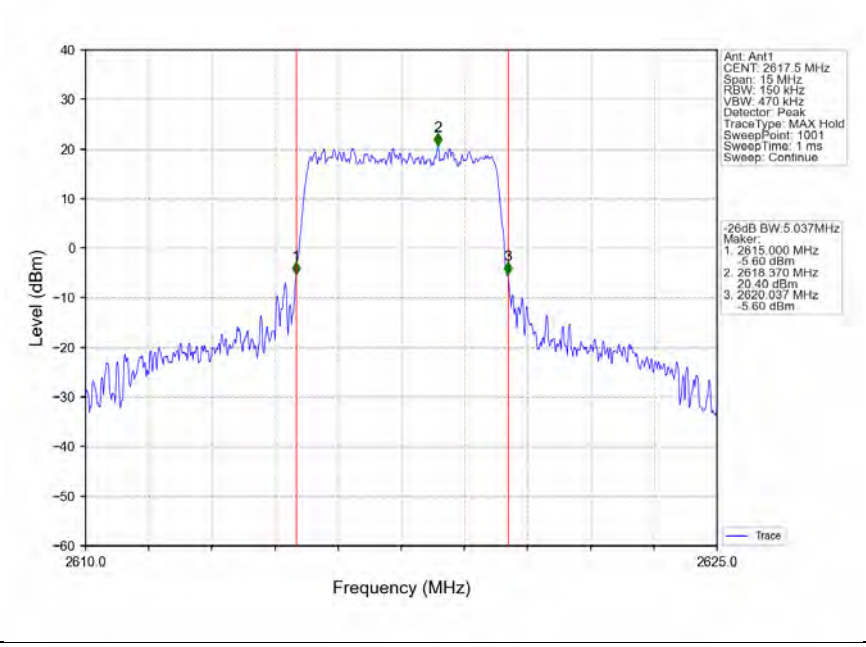
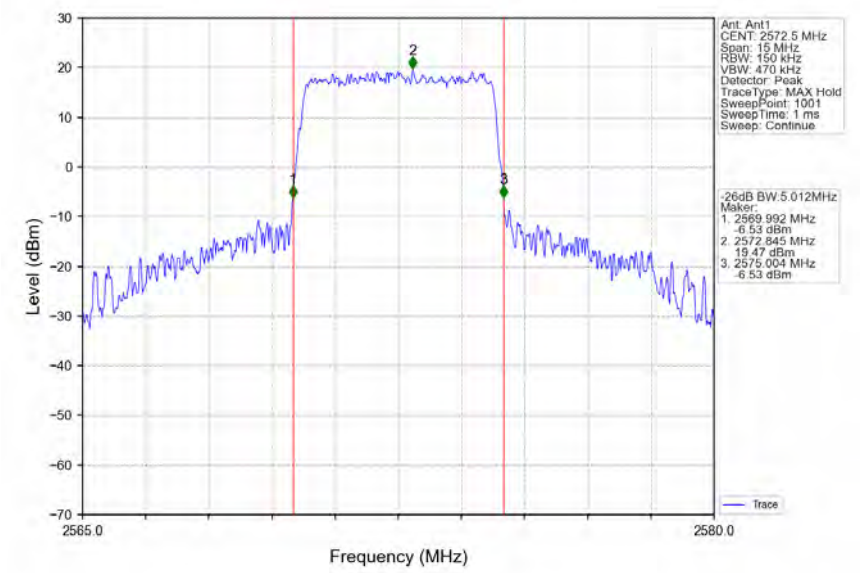
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



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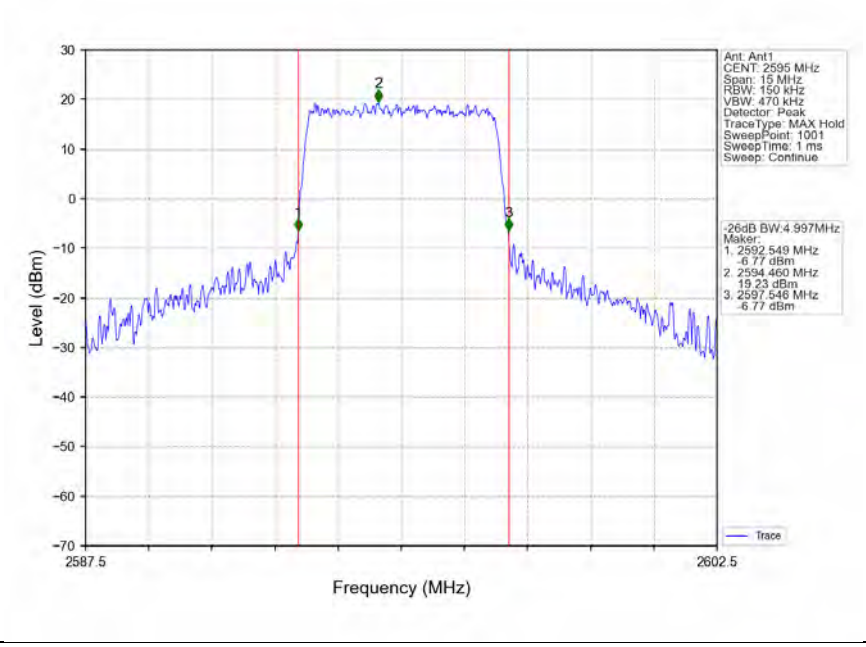
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



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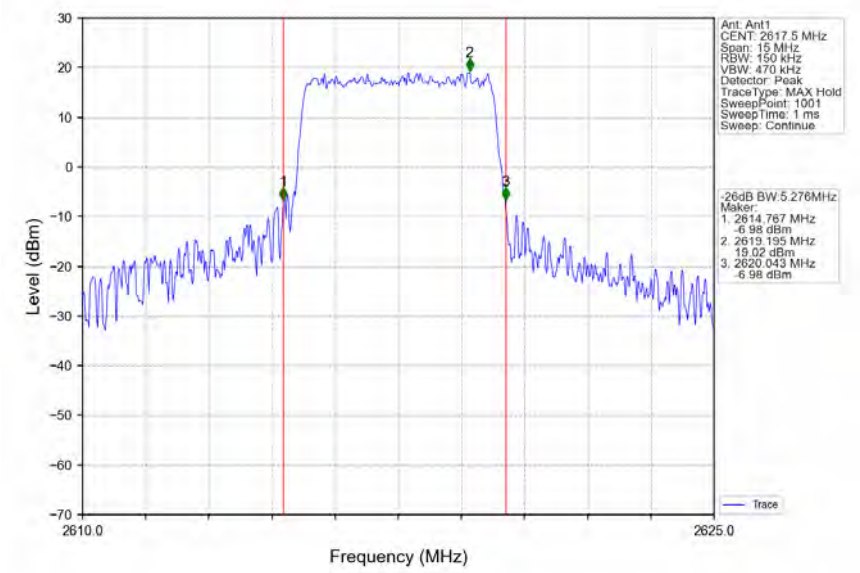

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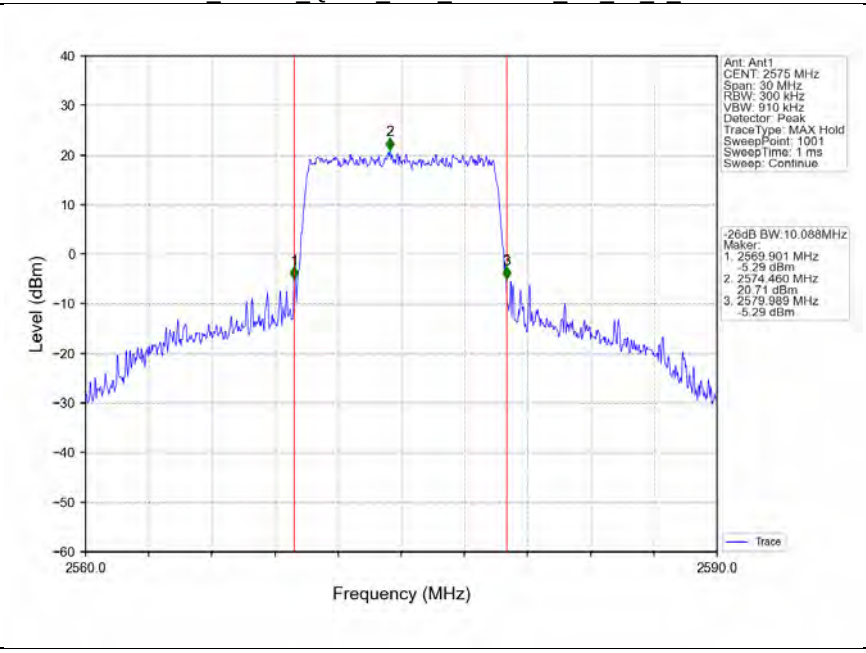
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



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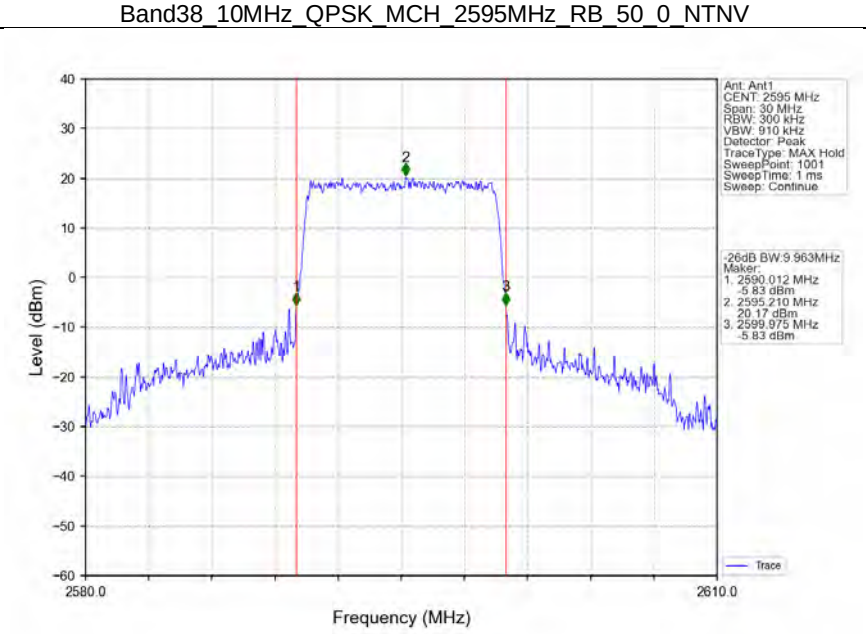

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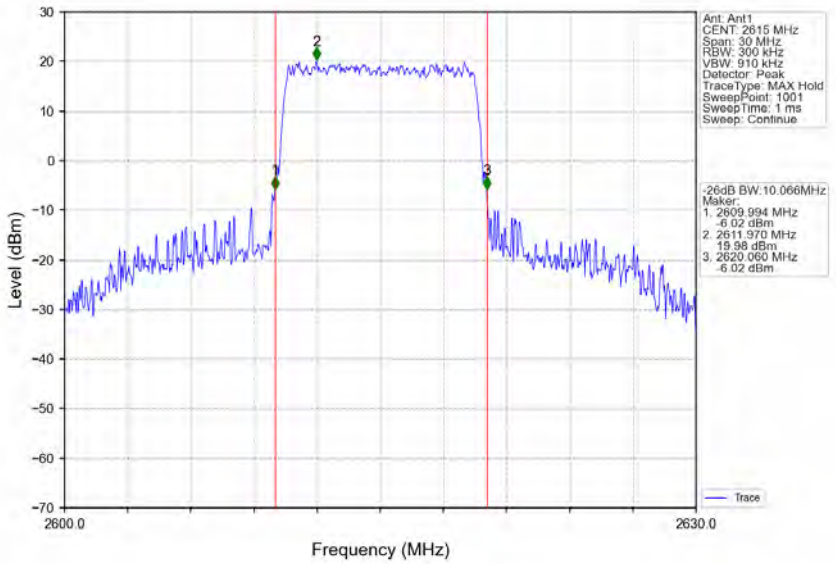
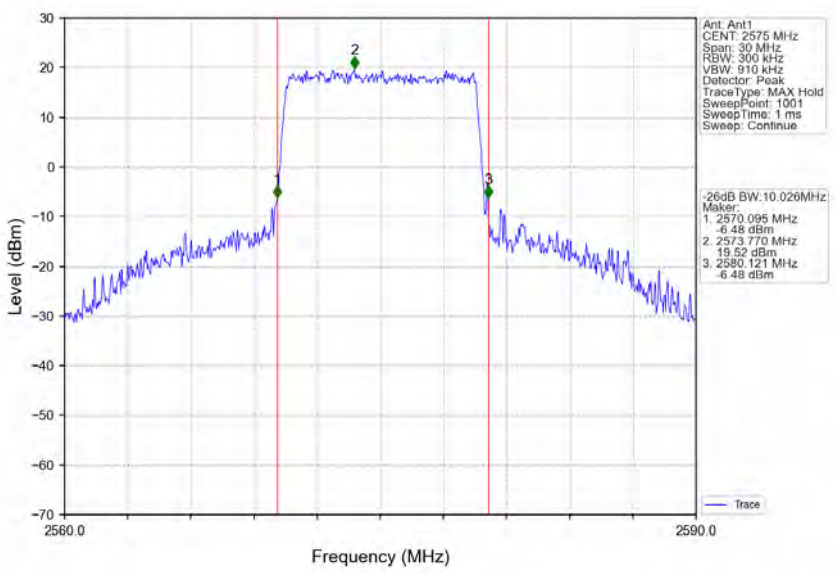
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



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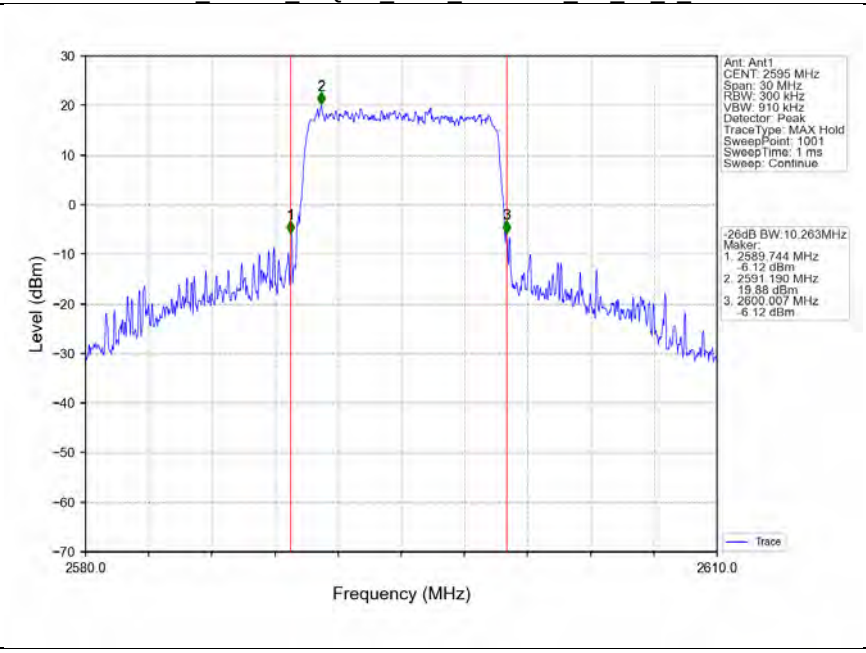
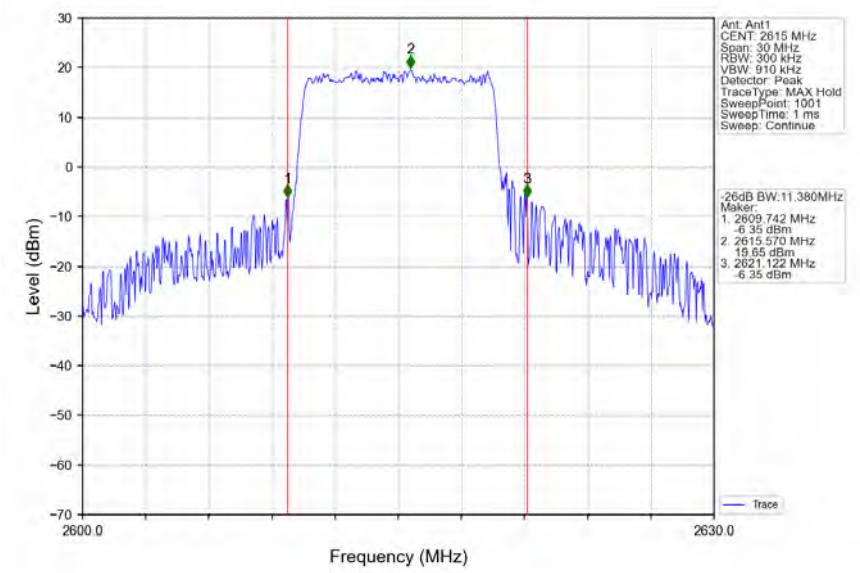
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



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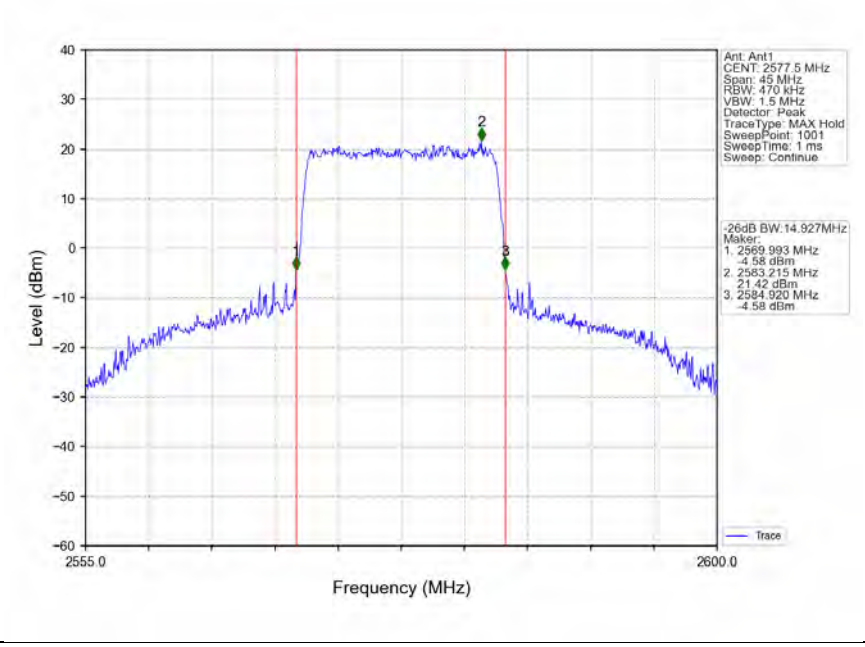
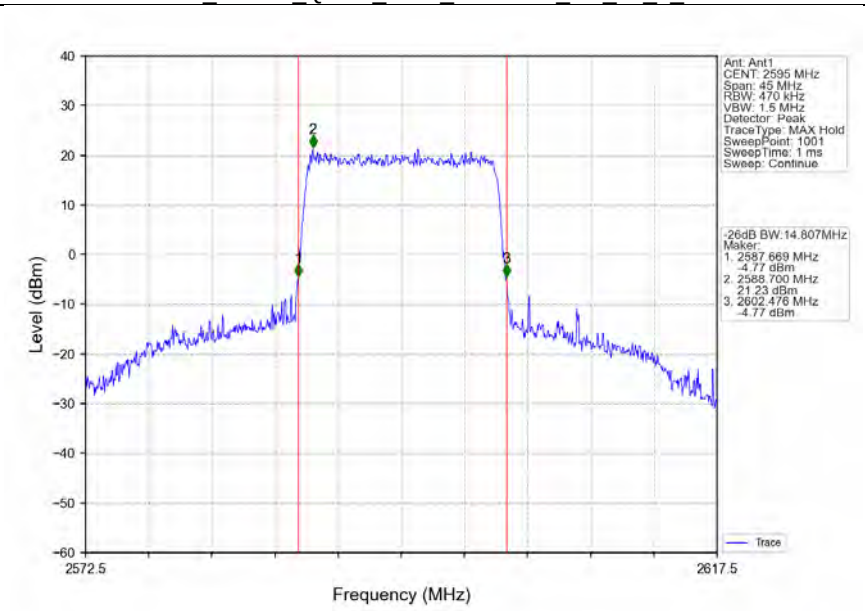
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



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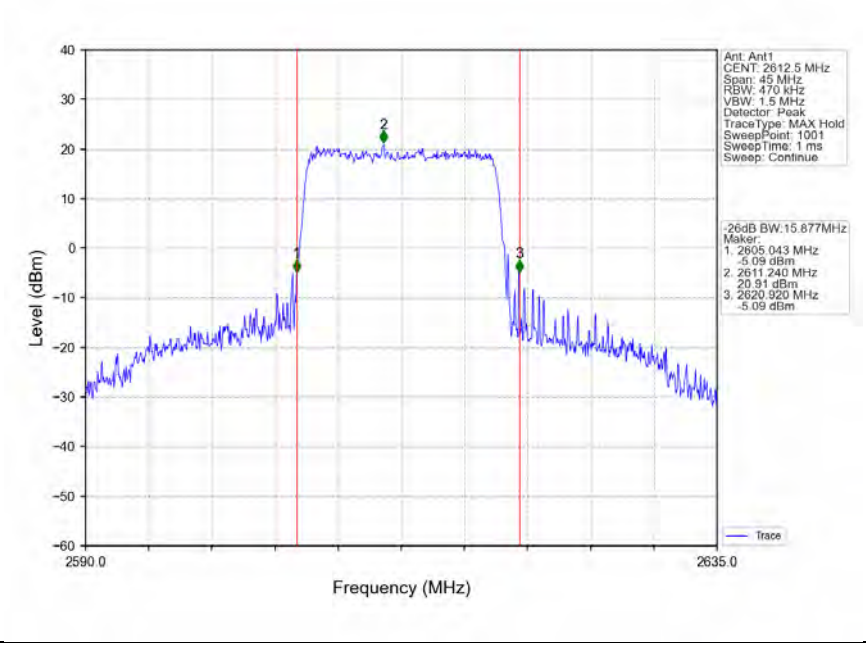
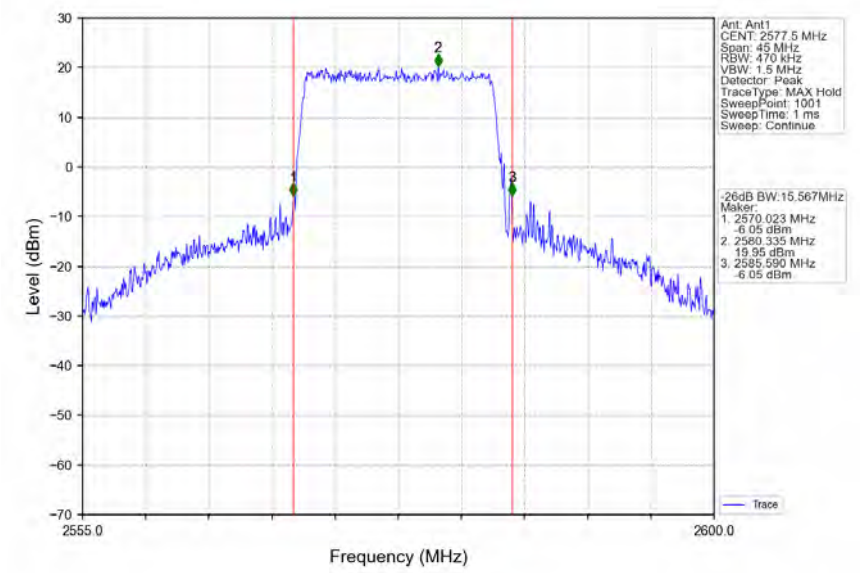
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



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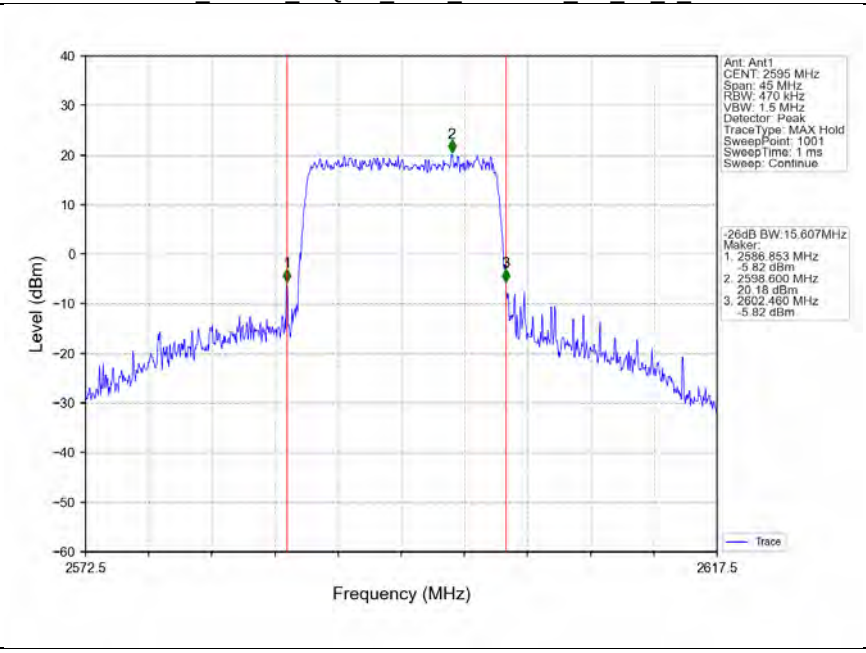
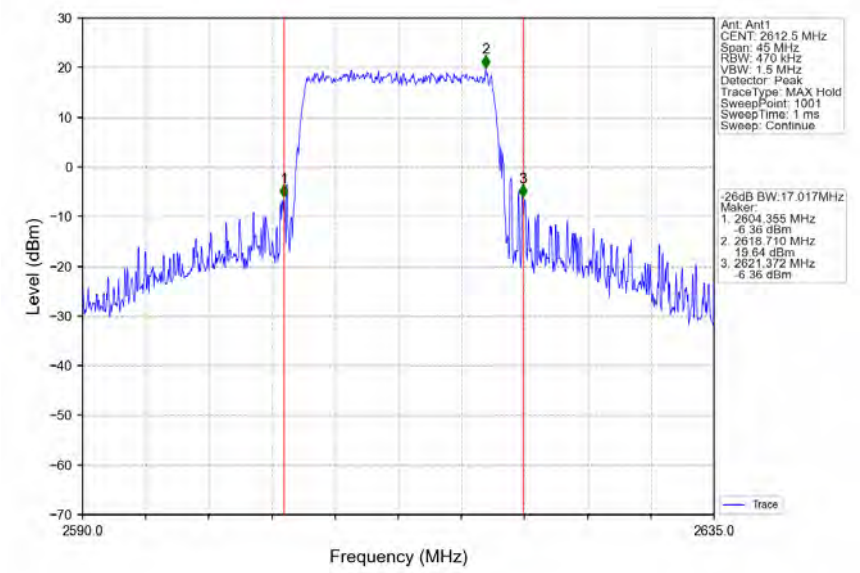
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



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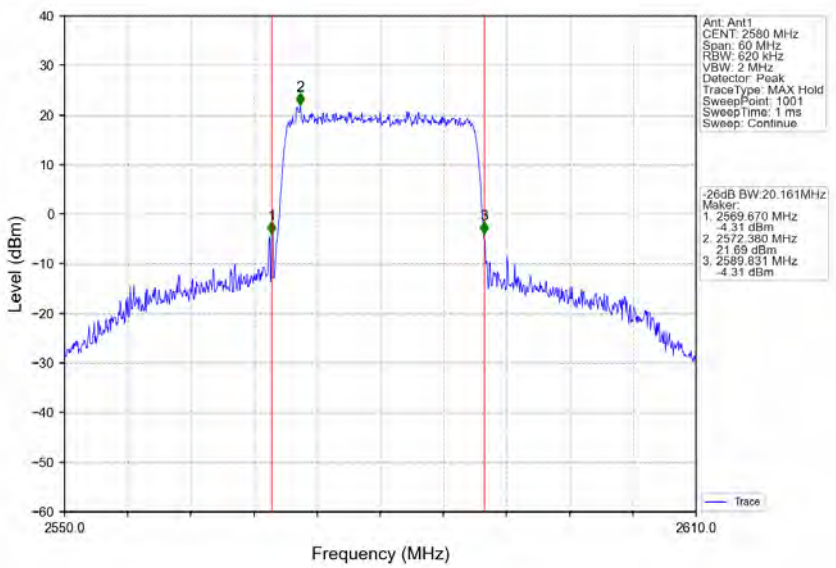
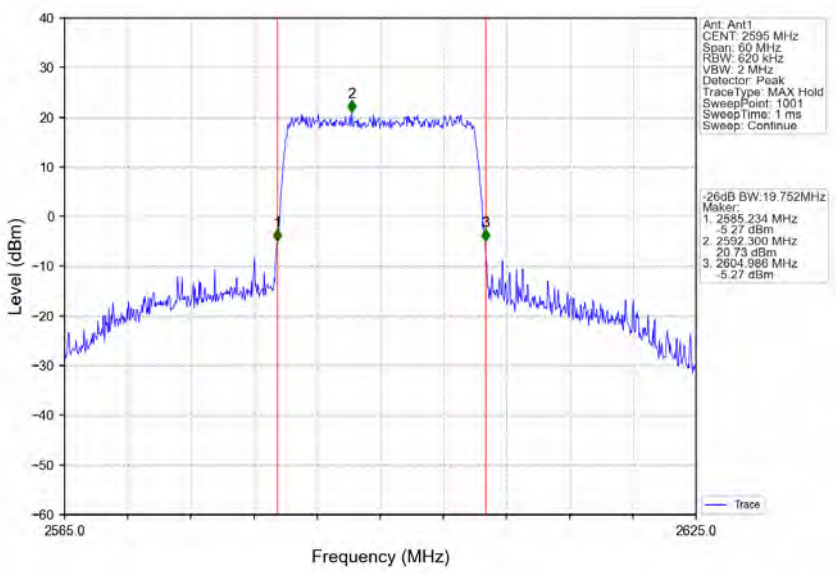
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



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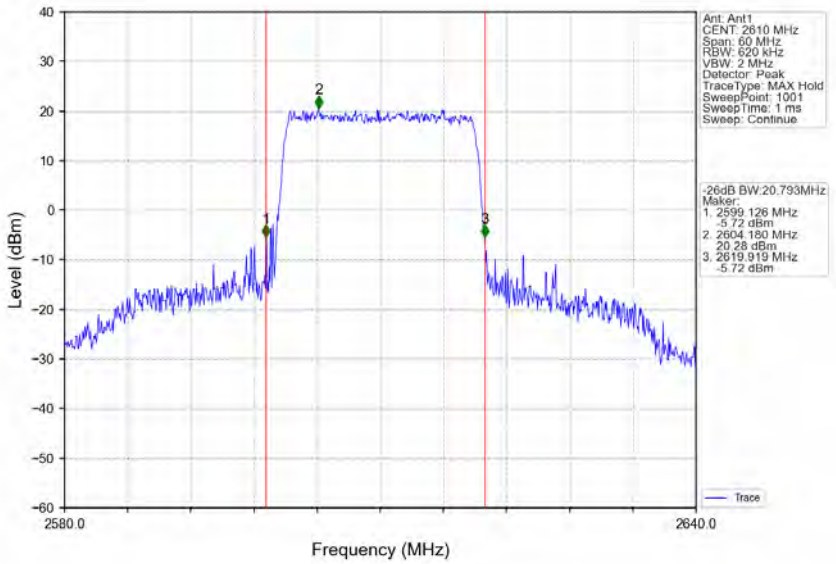
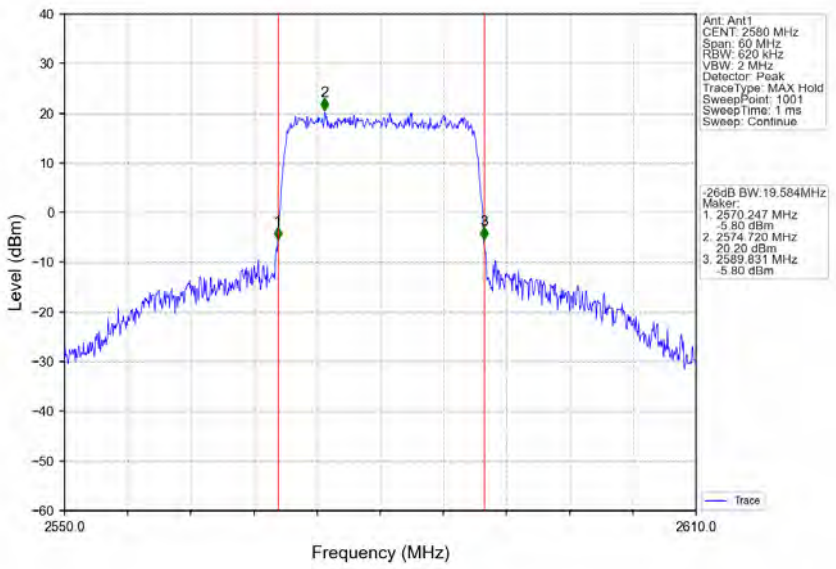
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



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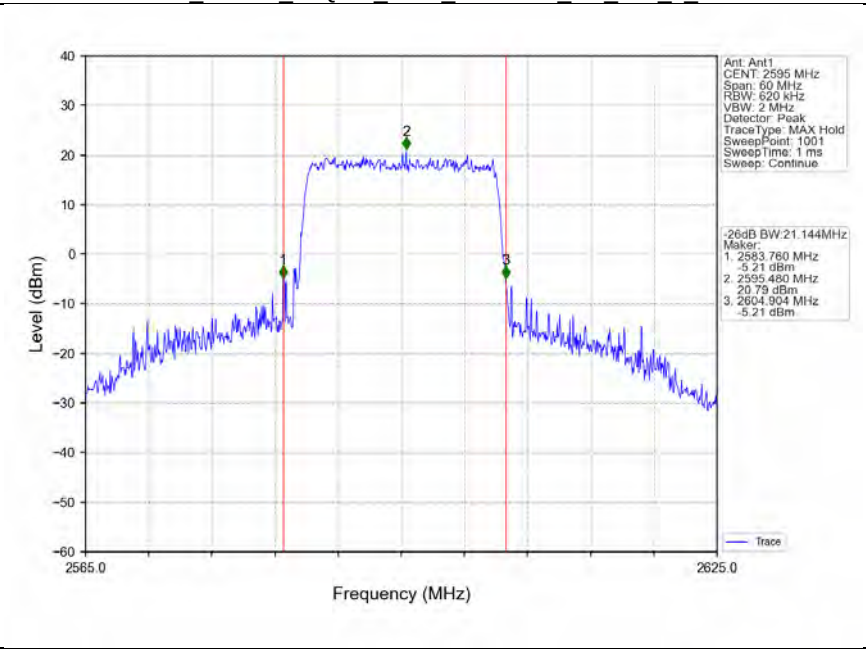
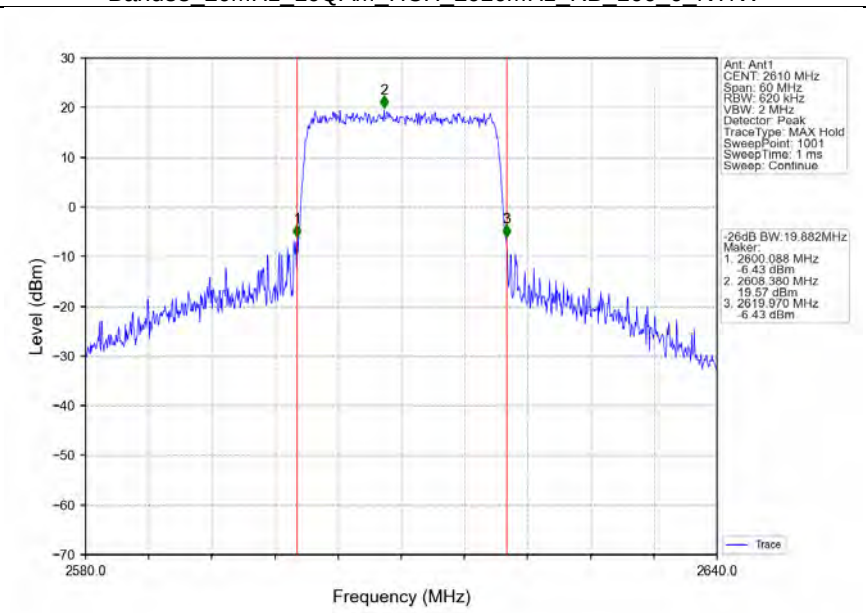
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



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4. Peak-Average Ratio

4.1 B38_5MHz

4.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	25	0	7.14	<=13	Pass
	2595	25	0	7.47	<=13	Pass
	2617.5	25	0	7.51	<=13	Pass
16QAM	2572.5	25	0	7.87	<=13	Pass
	2595	25	0	8.01	<=13	Pass
	2617.5	25	0	8.15	<=13	Pass

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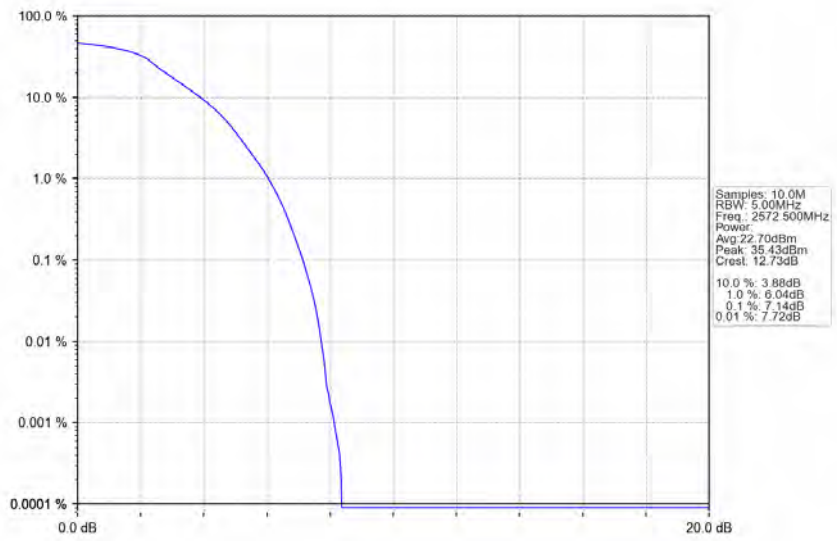
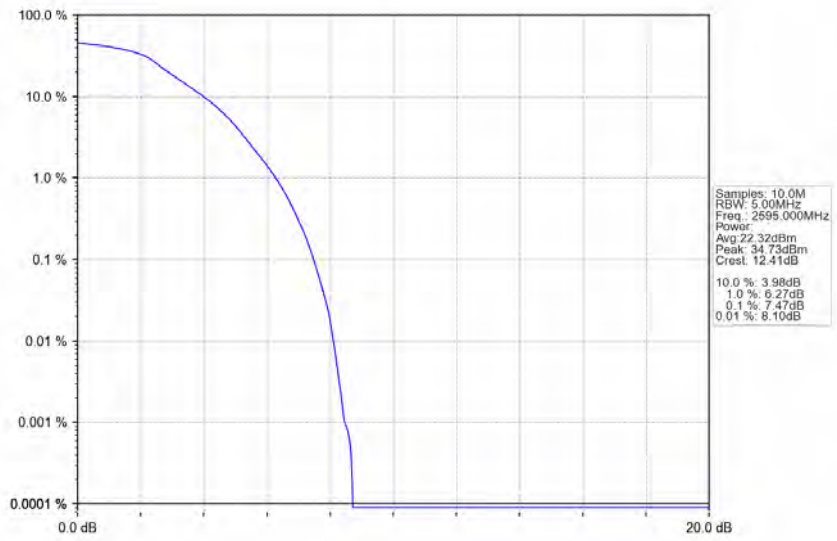
4.1.2 Test Graph

Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV



Band38_5MHz_QPSK_MCH_2595MHz_RB_25_0_NTNV



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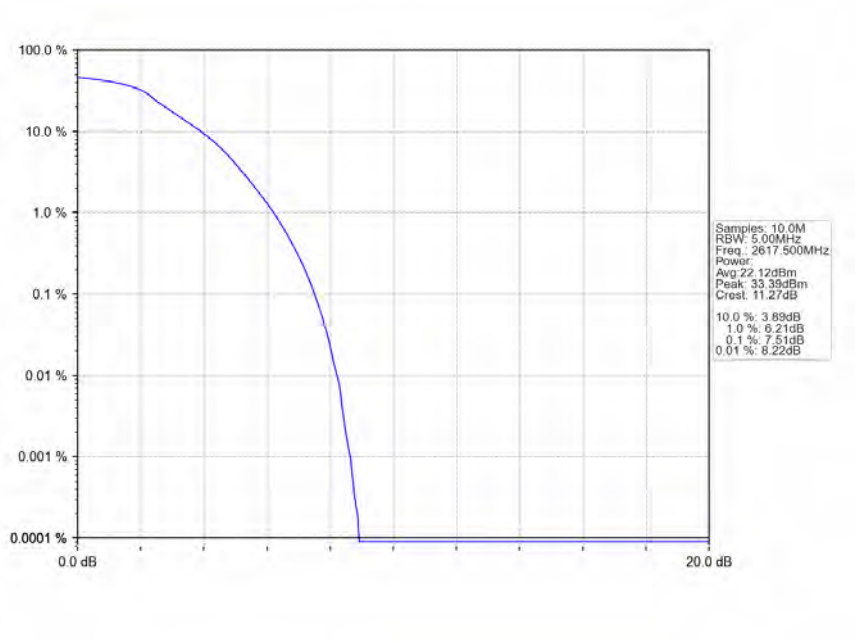
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



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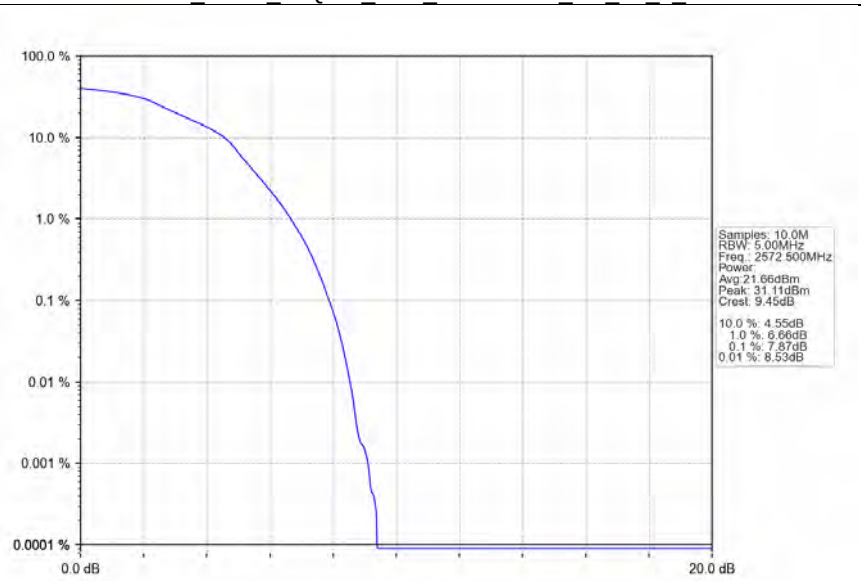

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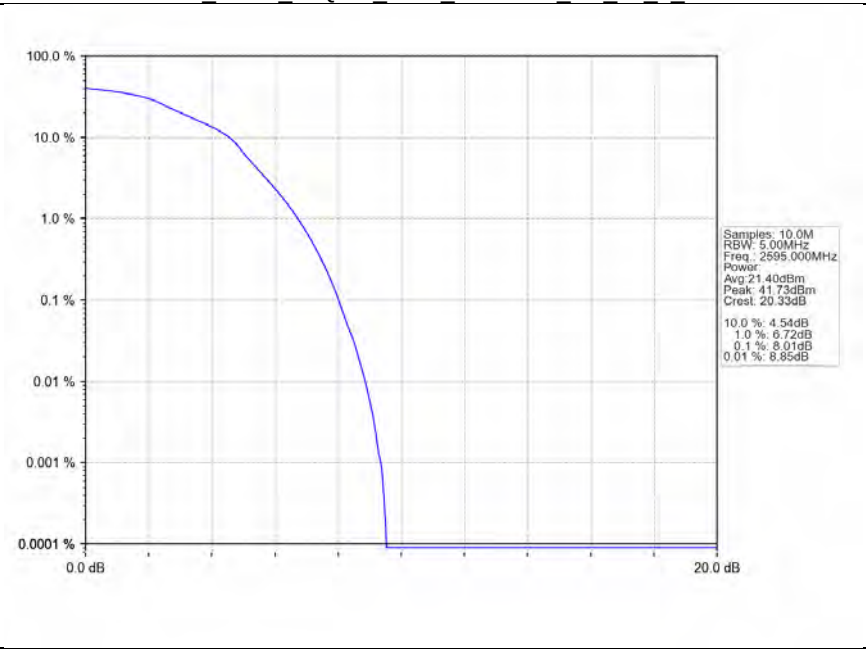
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



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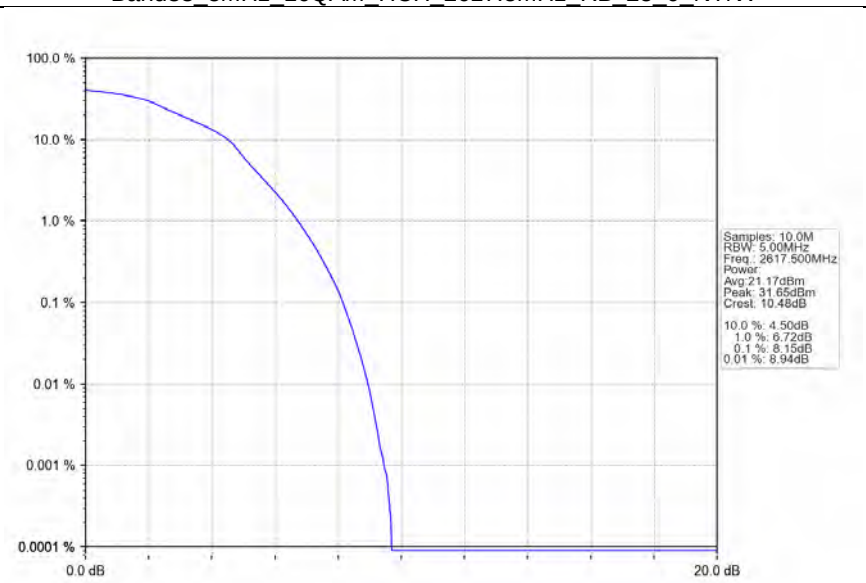

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4.2 B38_10MHz

4.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	50	0	7.22	<=13	Pass
	2595	50	0	7.33	<=13	Pass
	2615	50	0	7.48	<=13	Pass
16QAM	2575	50	0	7.88	<=13	Pass
	2595	50	0	8.04	<=13	Pass
	2615	50	0	8.06	<=13	Pass

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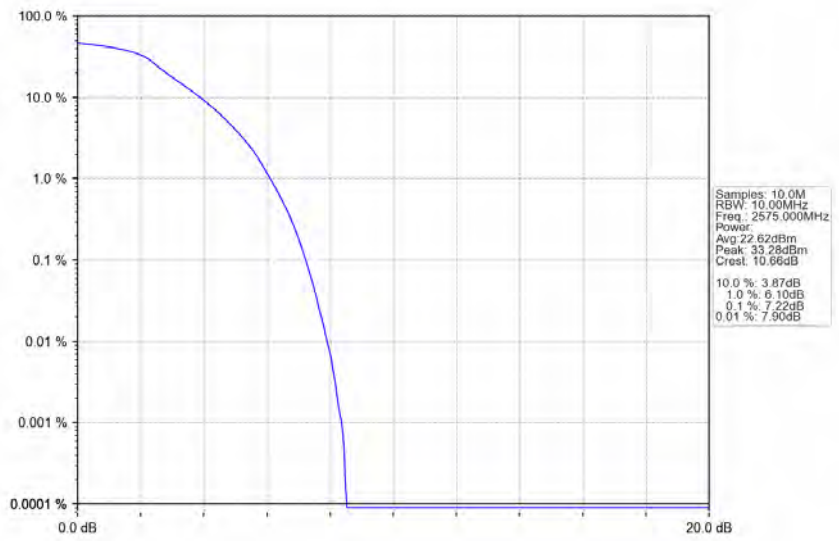
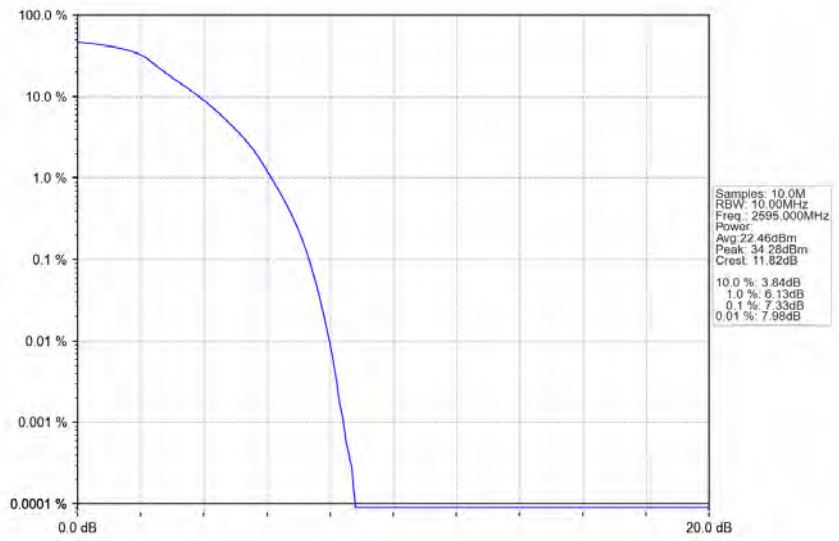
4.2.2 Test Graph

Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



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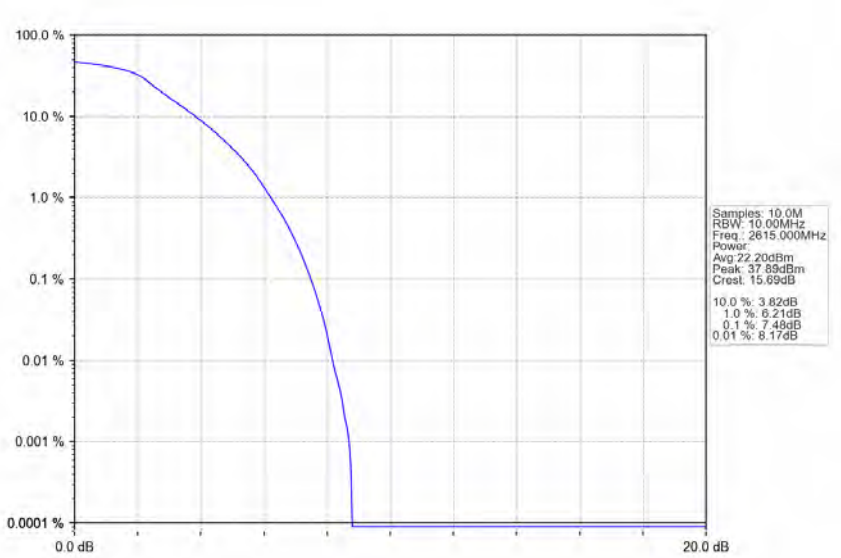
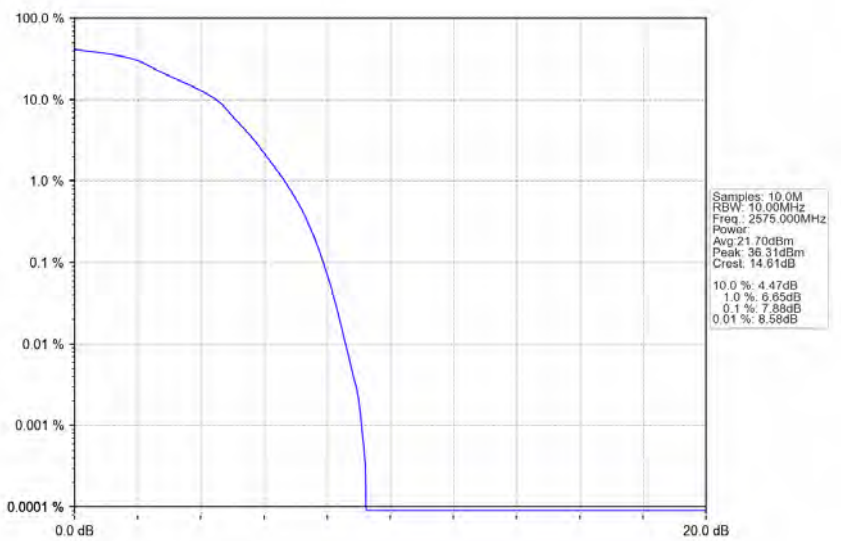
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



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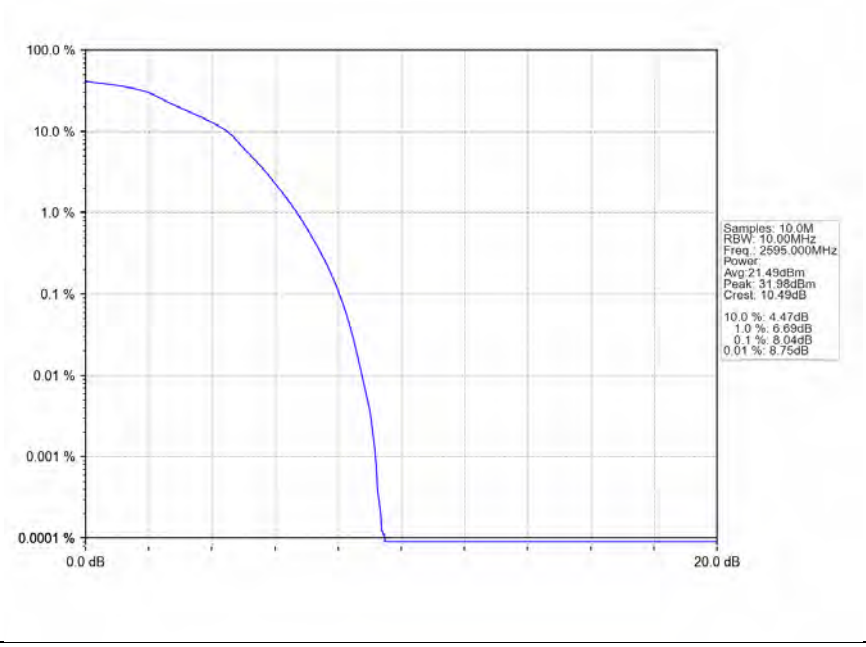
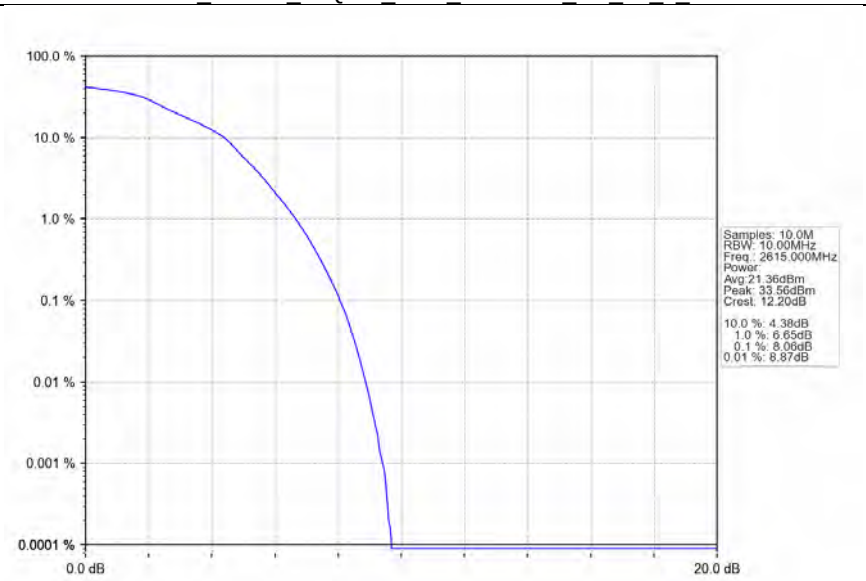
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



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4.3 B38_15MHz

4.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	75	0	7.38	<=13	Pass
	2595	75	0	7.51	<=13	Pass
	2612.5	75	0	7.69	<=13	Pass
16QAM	2577.5	75	0	8.04	<=13	Pass
	2595	75	0	8.05	<=13	Pass
	2612.5	75	0	8.17	<=13	Pass

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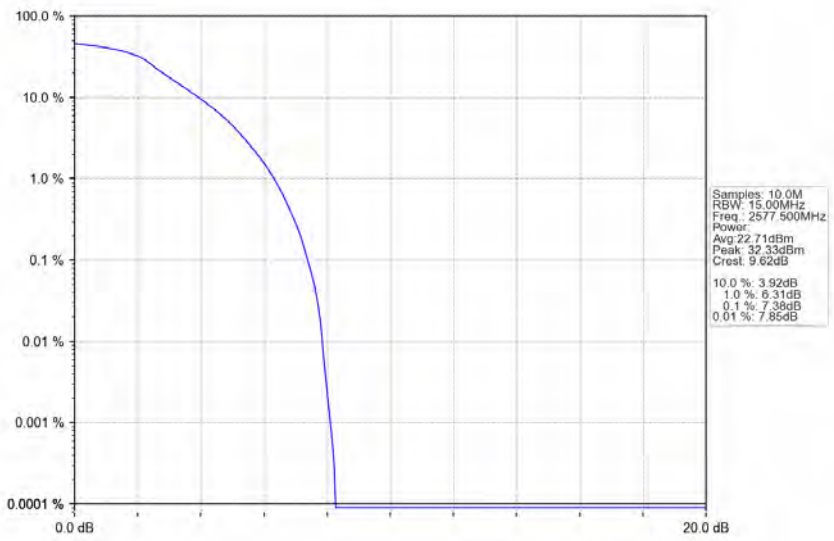
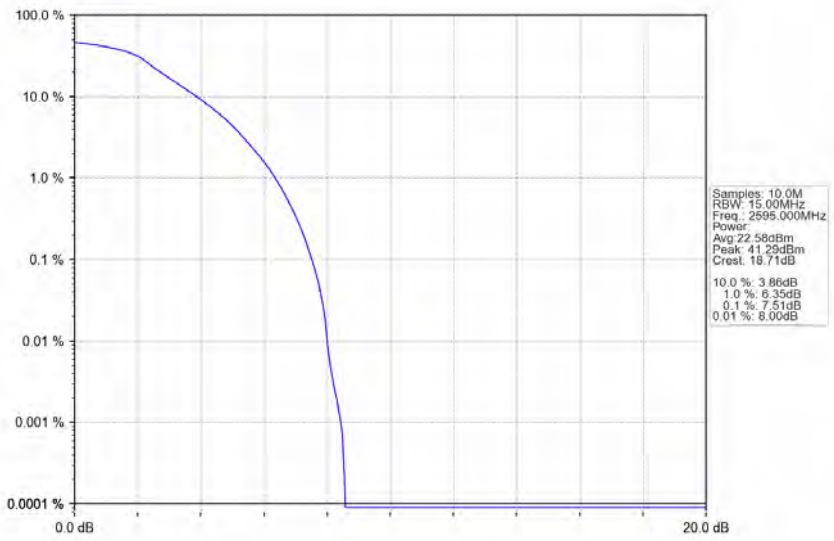
4.3.2 Test Graph

Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



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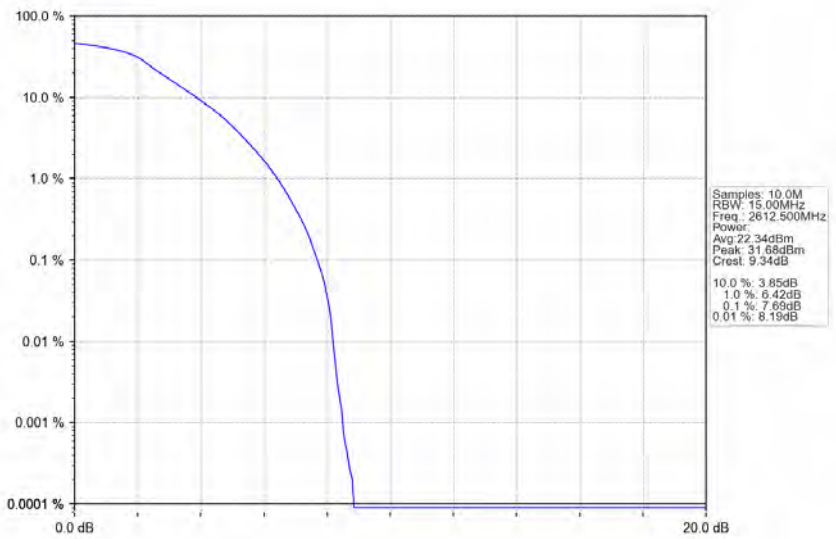
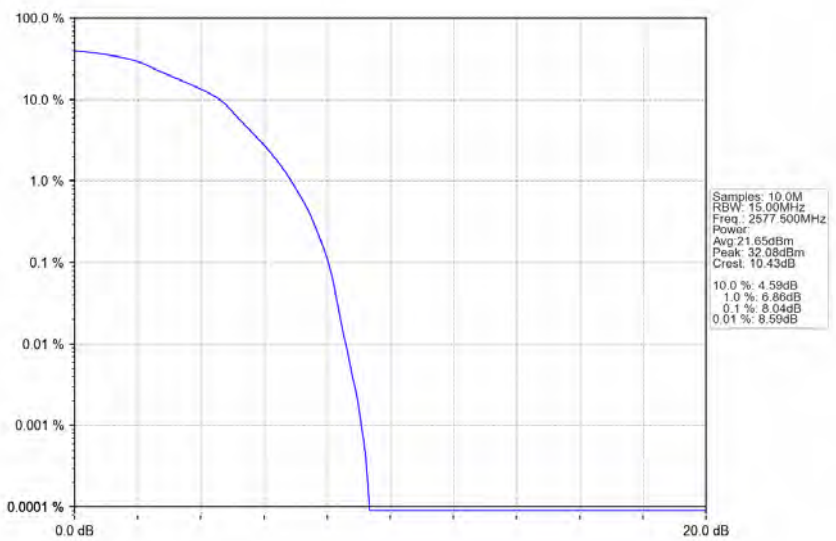
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



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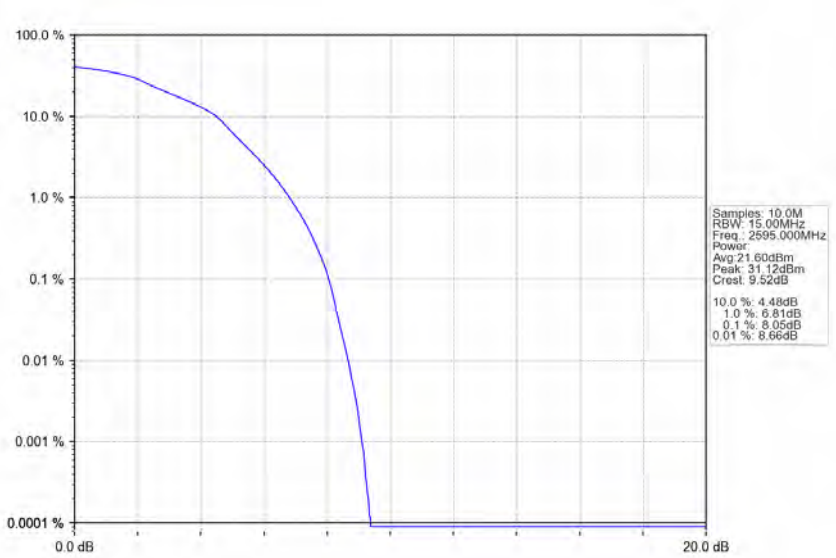
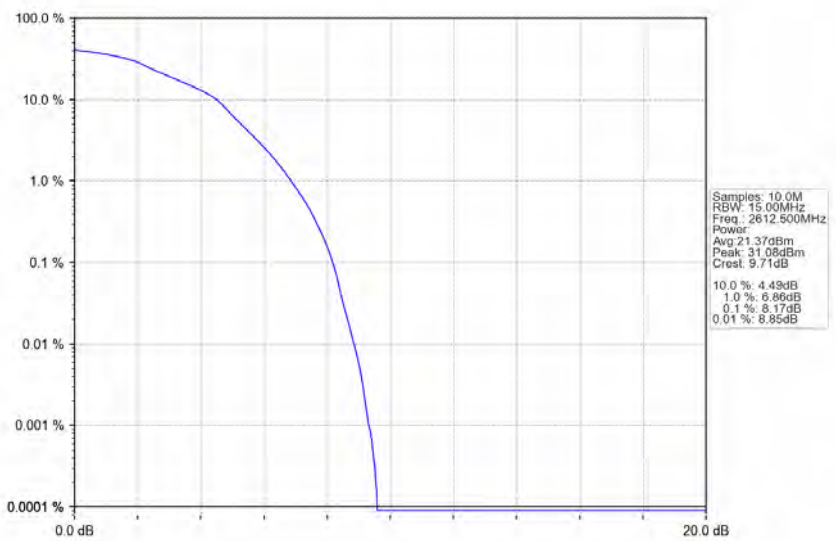
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



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4.4 B38_20MHz

4.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	7.13	<=13	Pass
	2595	100	0	6.79	<=13	Pass
	2610	100	0	7.73	<=13	Pass
16QAM	2580	100	0	7.65	<=13	Pass
	2595	100	0	8.21	<=13	Pass
	2610	100	0	8.23	<=13	Pass

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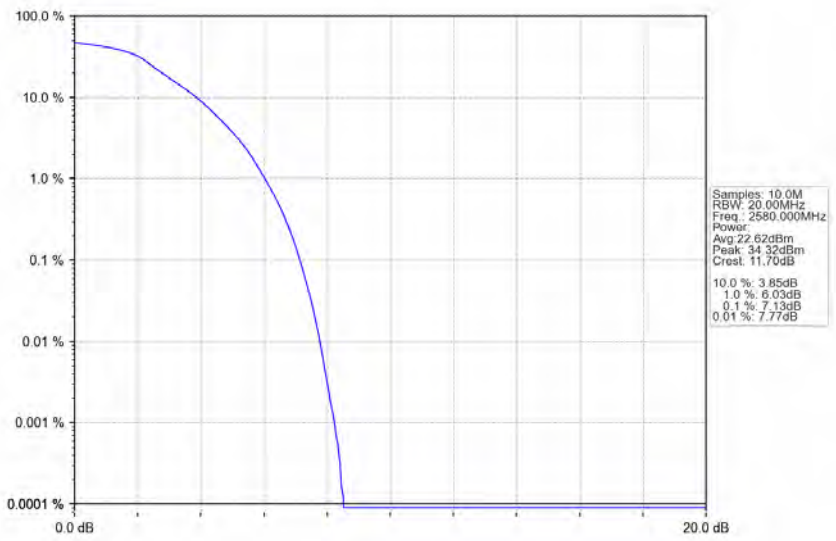
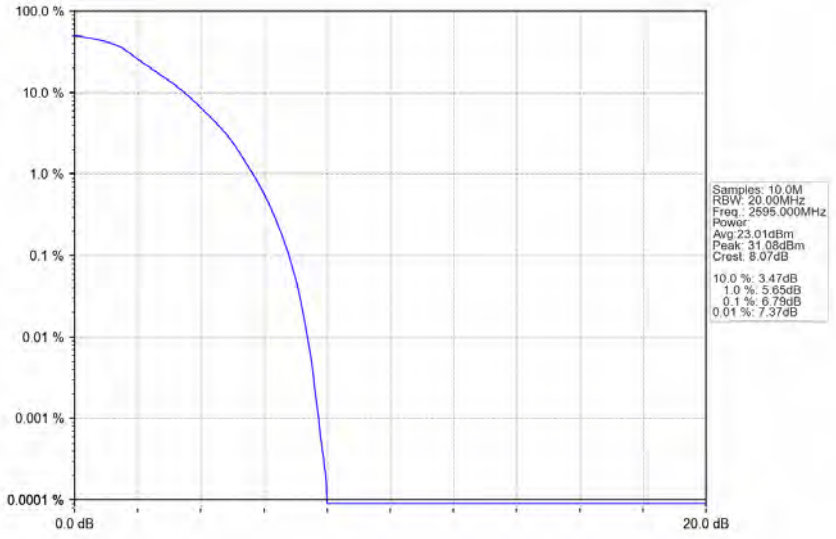
4.4.2 Test Graph

Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



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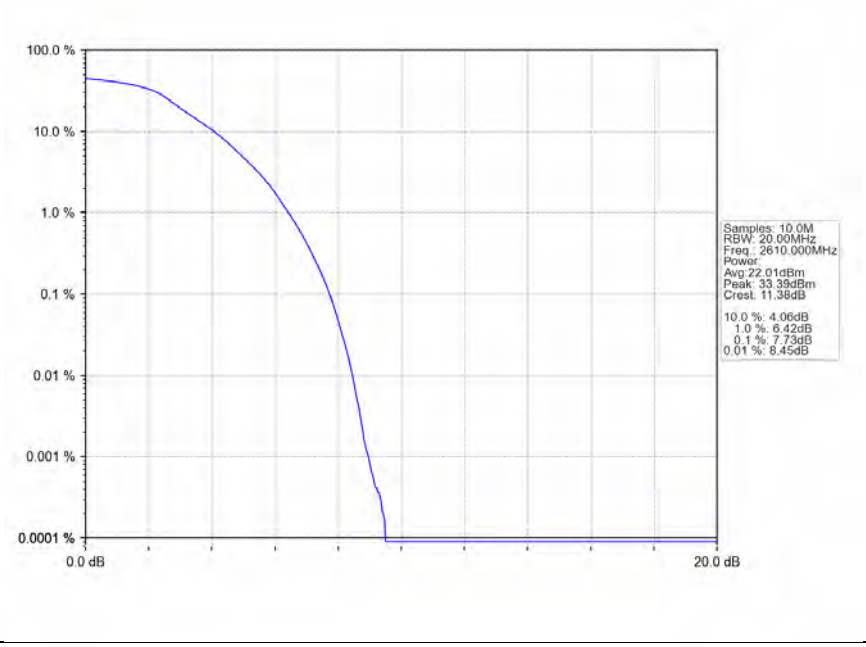
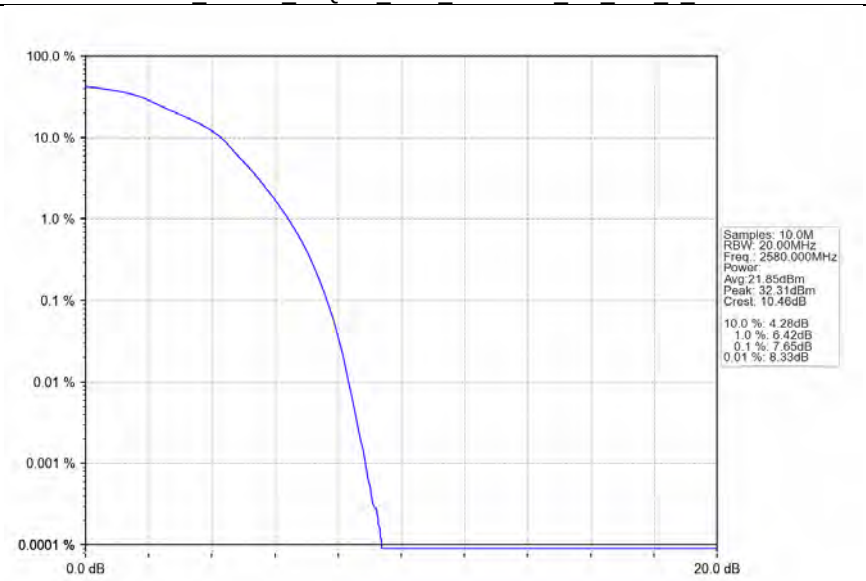
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



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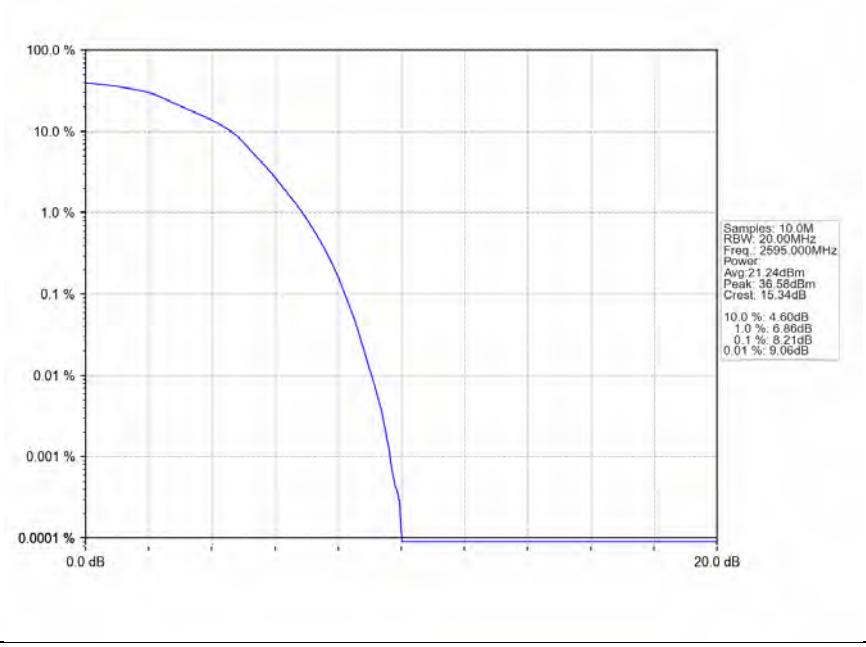
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



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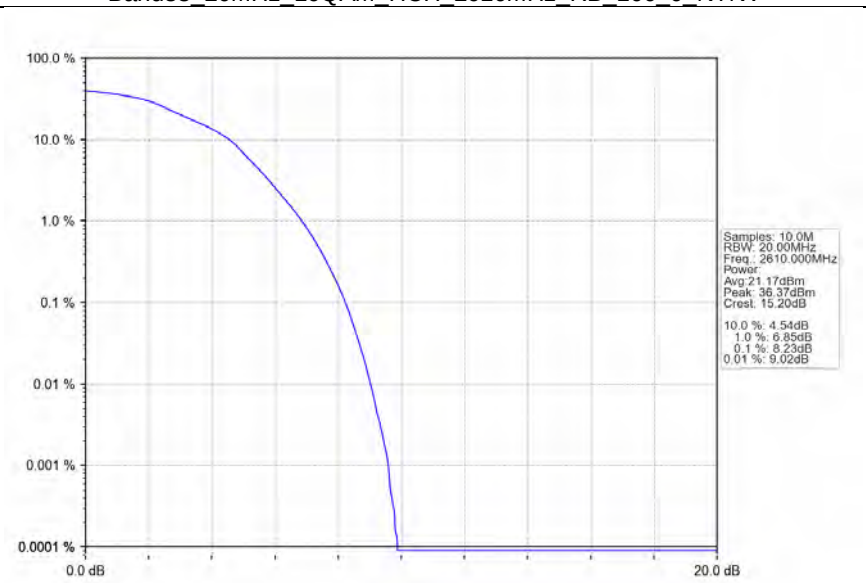

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5. Spurious Emission

5.1 B38_5MHz

5.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

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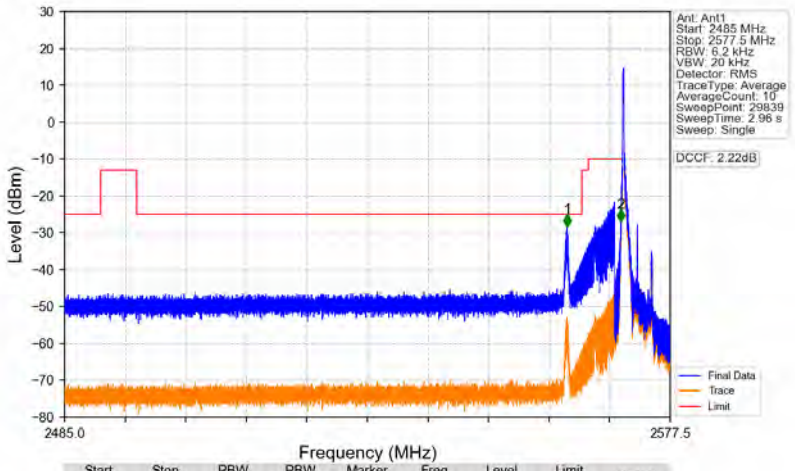
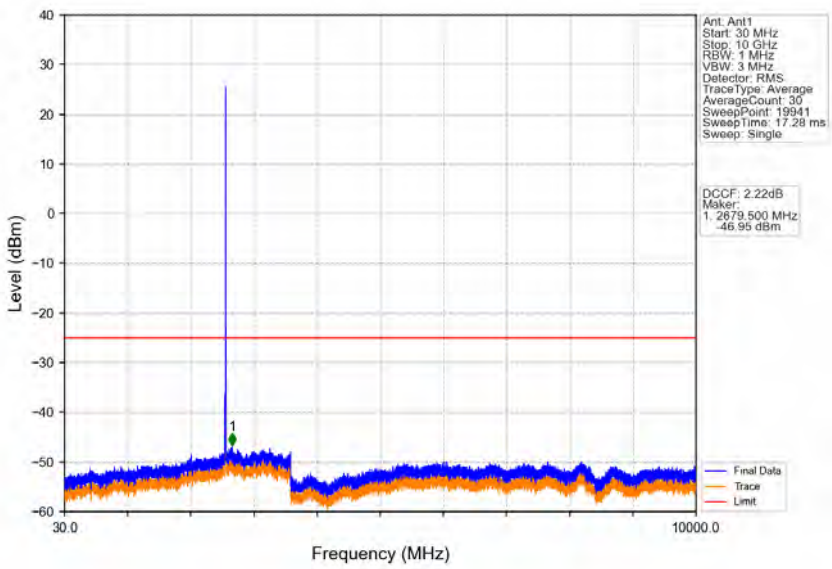
5.1.2 Test Graph

Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2561.798	-28.39	-25	Pass
2569	2570	0.0062	0	2	2569.995	-27.01	-10	Pass
2570	2577.5	0.0062	0	/	/	/	/	/

Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



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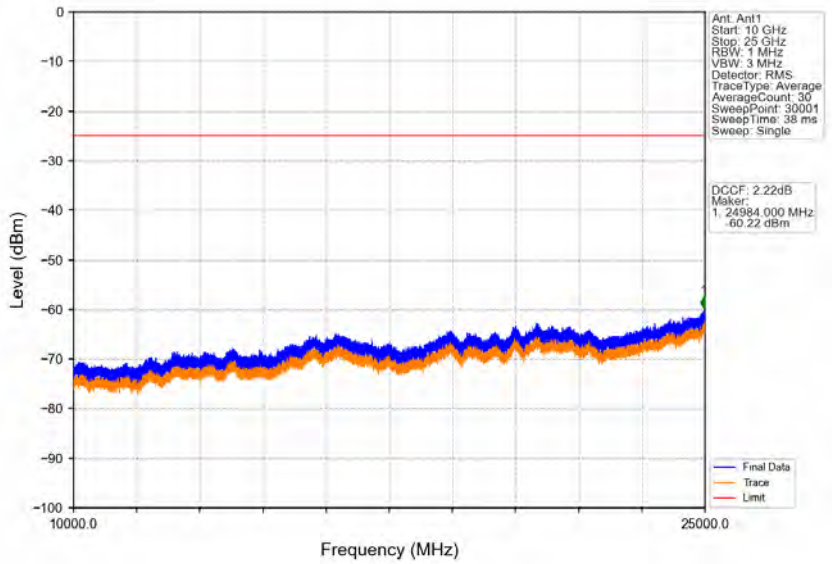
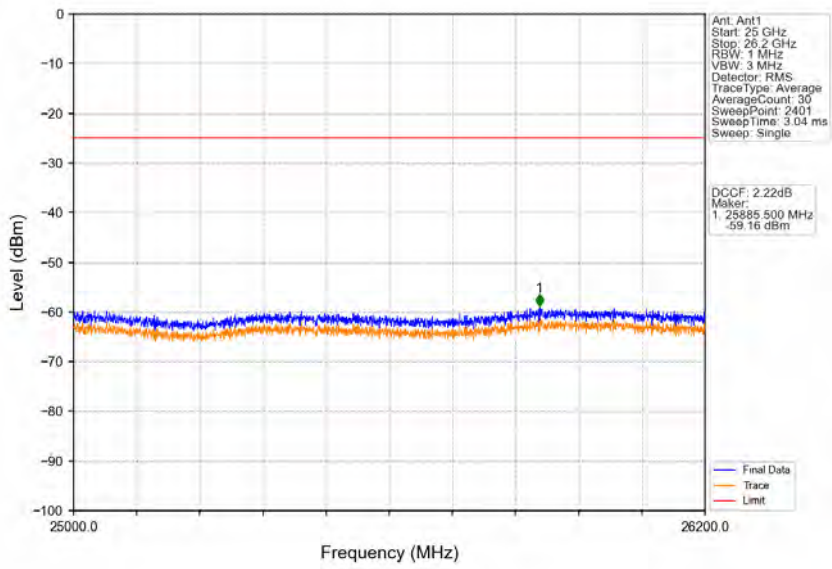
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



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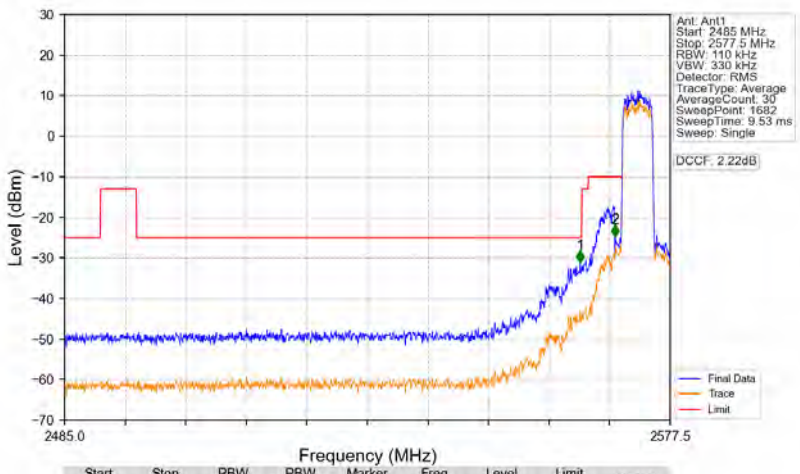
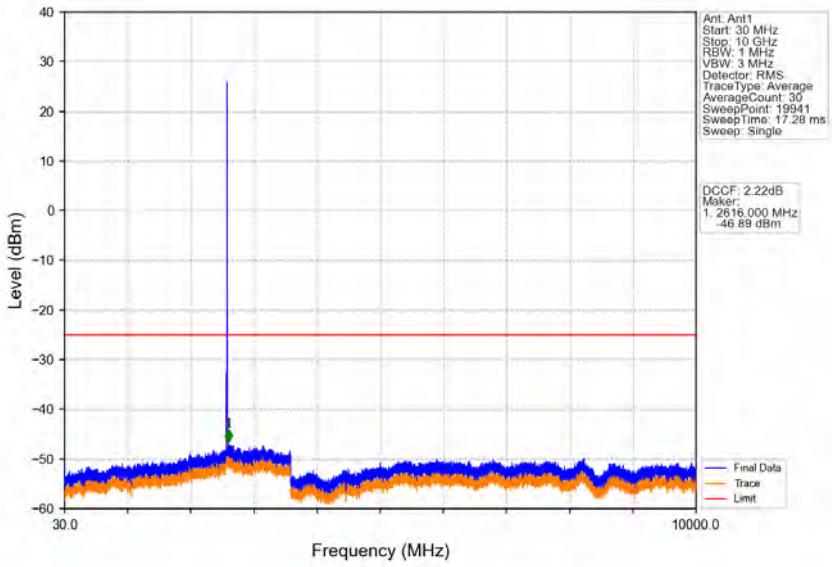
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	9.59	1	2563.743	-31.19	-25	Pass
2569	2570	0.11	0	2	2569.081	-24.80	-10	Pass
2570	2577.5	0.11	0	/	/	/	/	/

Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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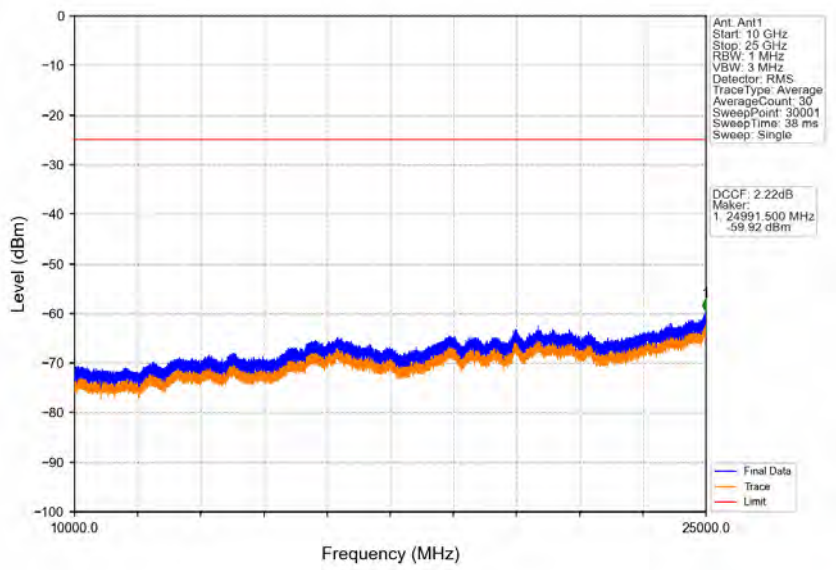
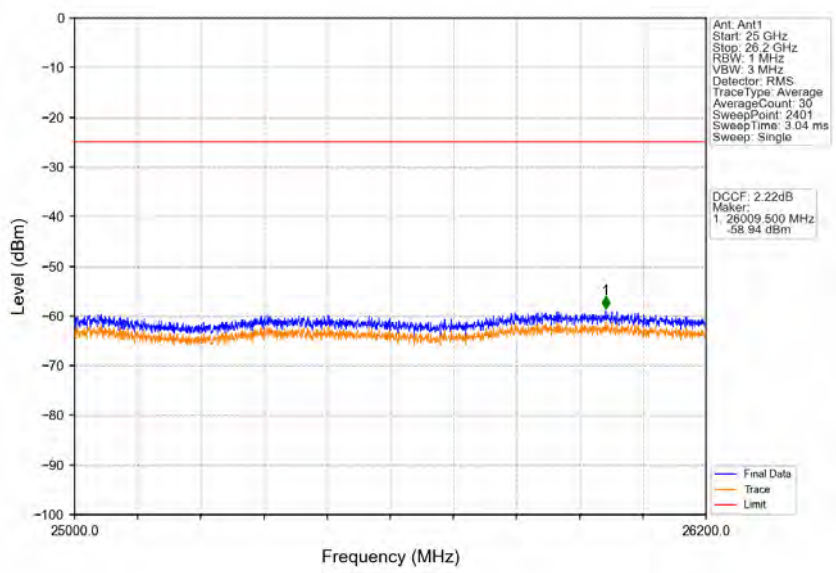
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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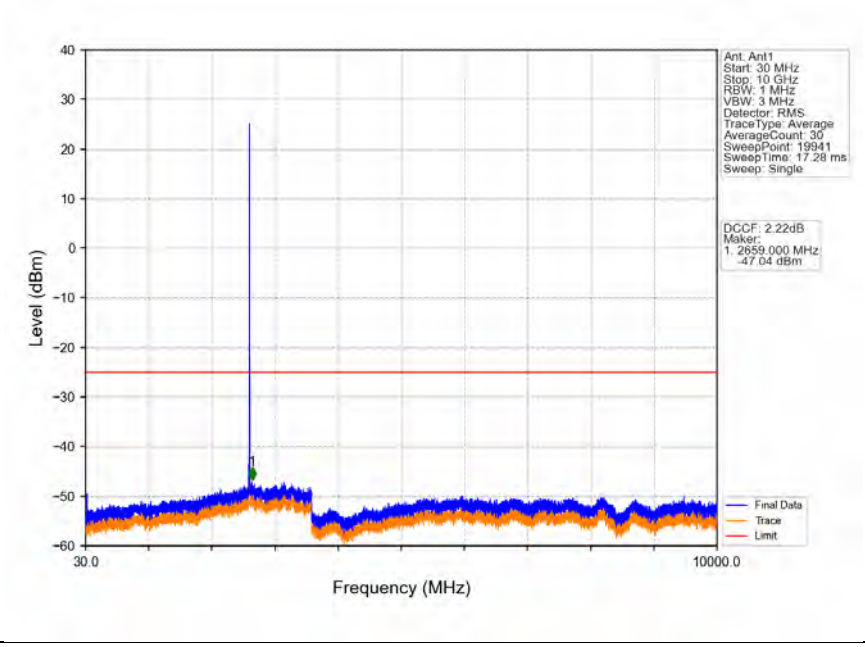
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



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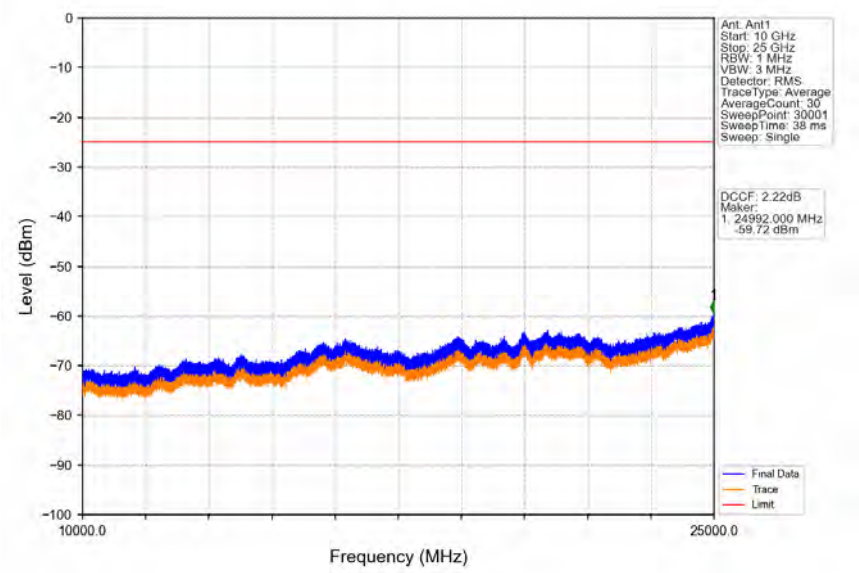

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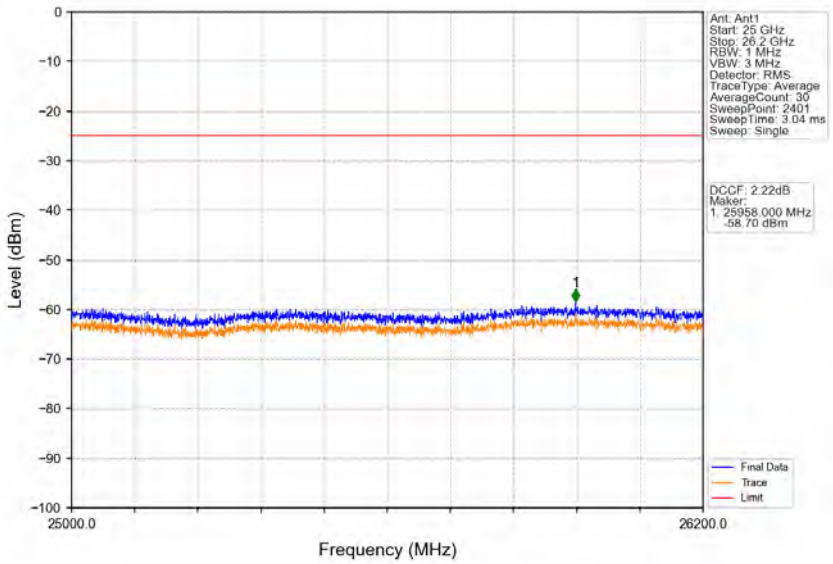
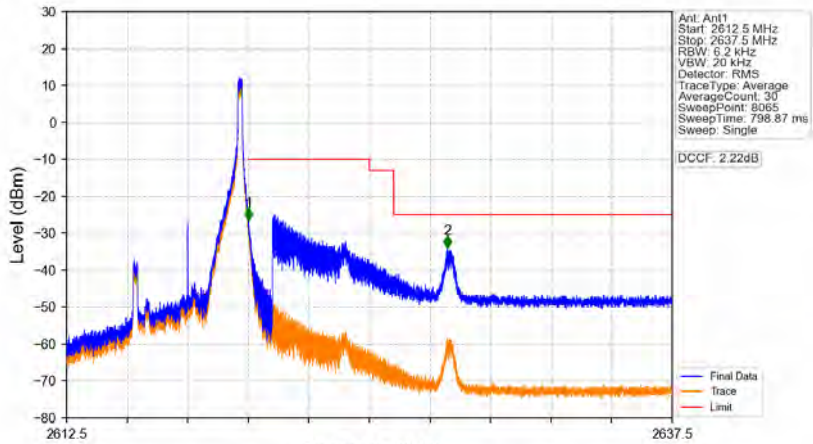
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.015	-26.64	-10	Pass
2621	2637.5	1	22.08	2	2628.224	-33.97	-25	Pass

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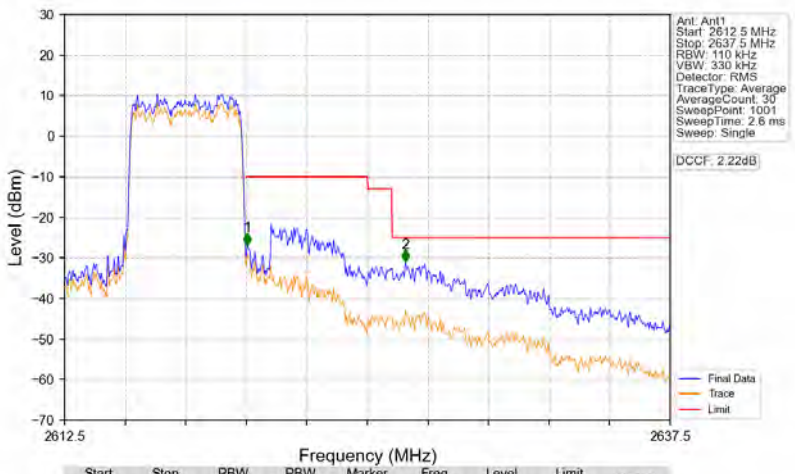
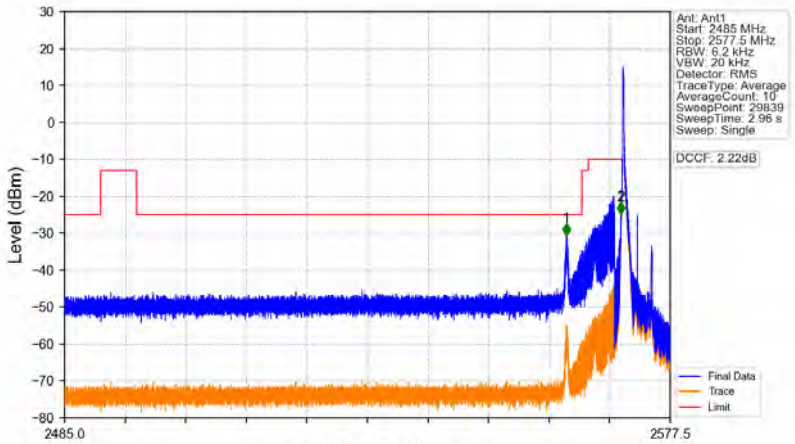


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.11	0	/	/	/	/	/
2620	2621	0.11	0	1	2620.050	-26.91	-10	Pass
2621	2637.5	1	9.59	2	2626.575	-31.07	-25	Pass

Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2561.631	-30.71	-25	Pass
2569	2570	0.0062	0	2	2569.976	-24.97	-10	Pass
2570	2577.5	0.0062	0	/	/	/	/	/

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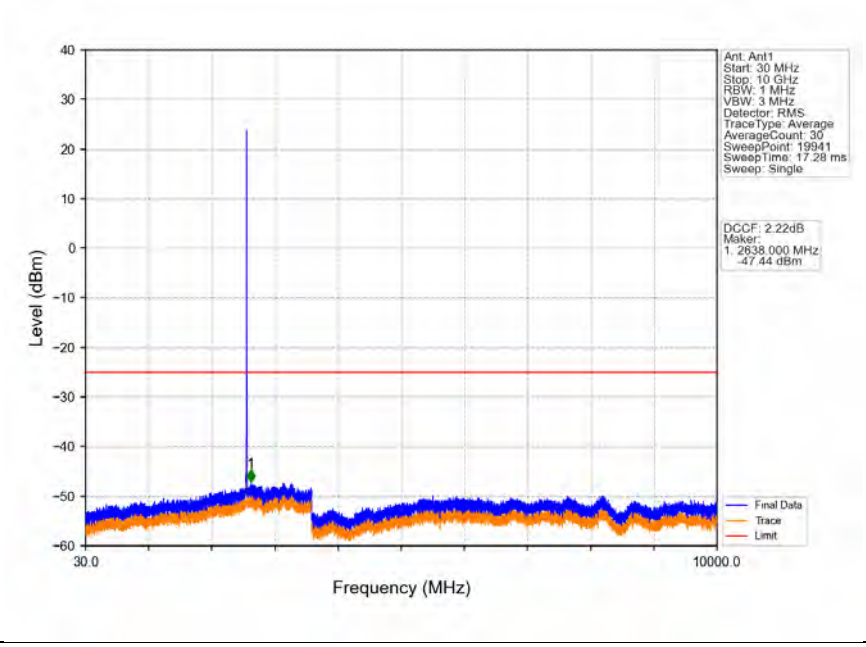
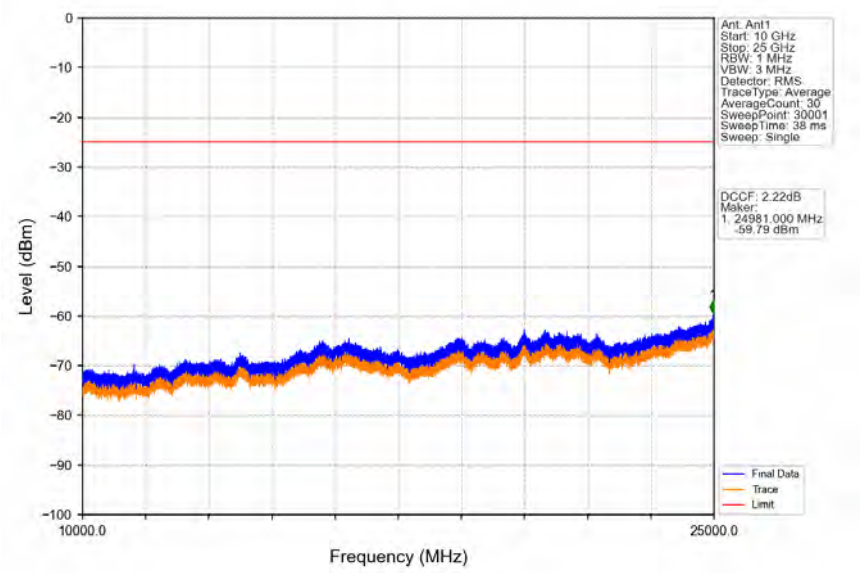
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



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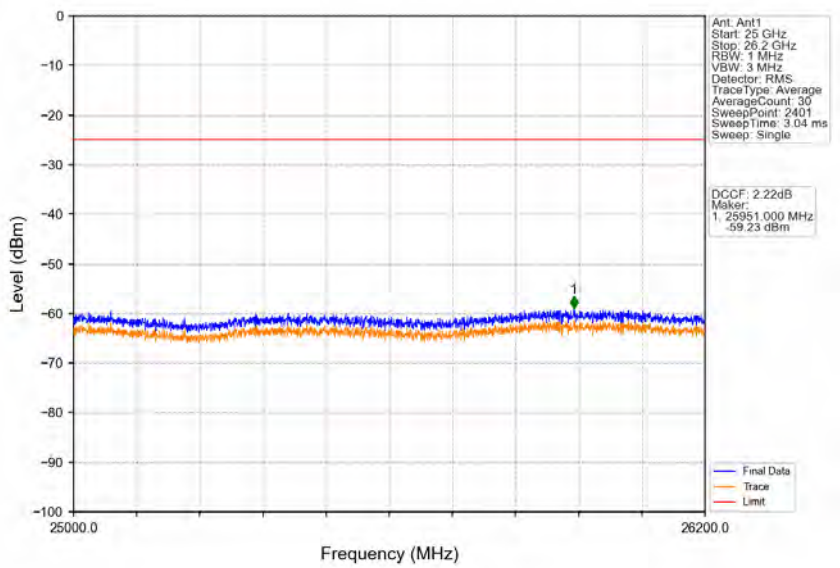
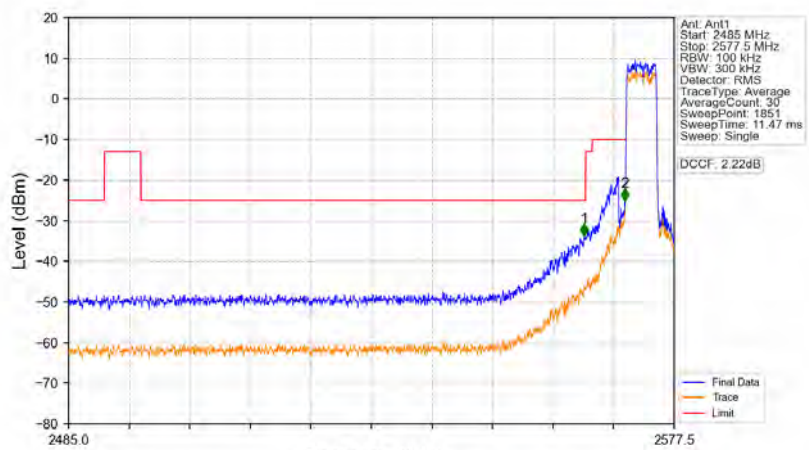
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	10	1	2563.750	-33.80	-25	Pass
2569	2570	0.1	0	2	2569.950	-25.17	-10	Pass
2570	2577.5	0.1	0	/	/	/	/	/

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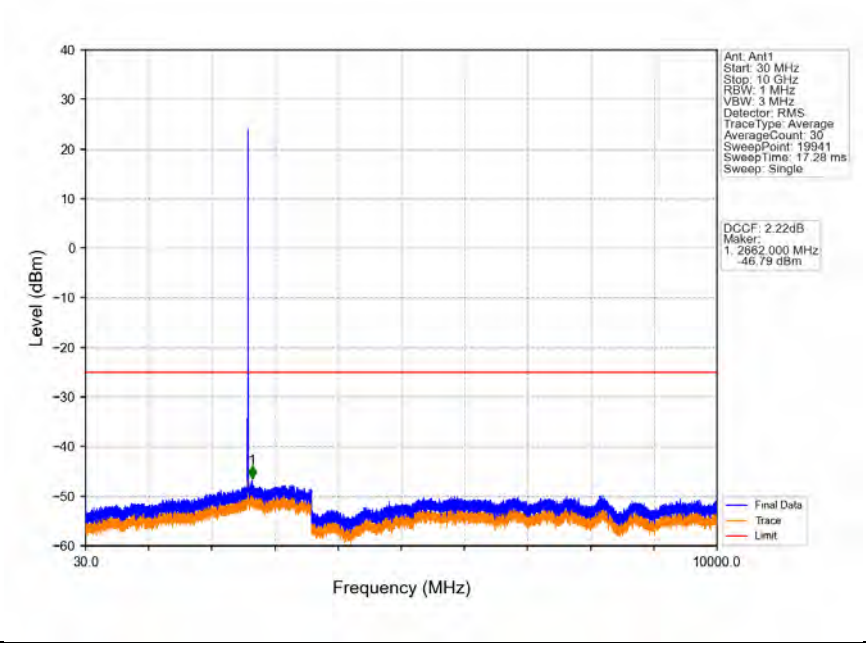
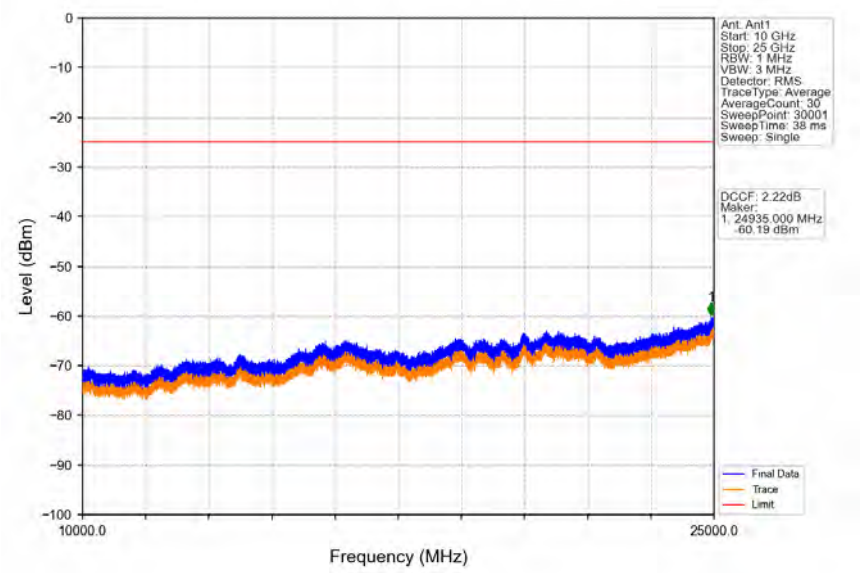
Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



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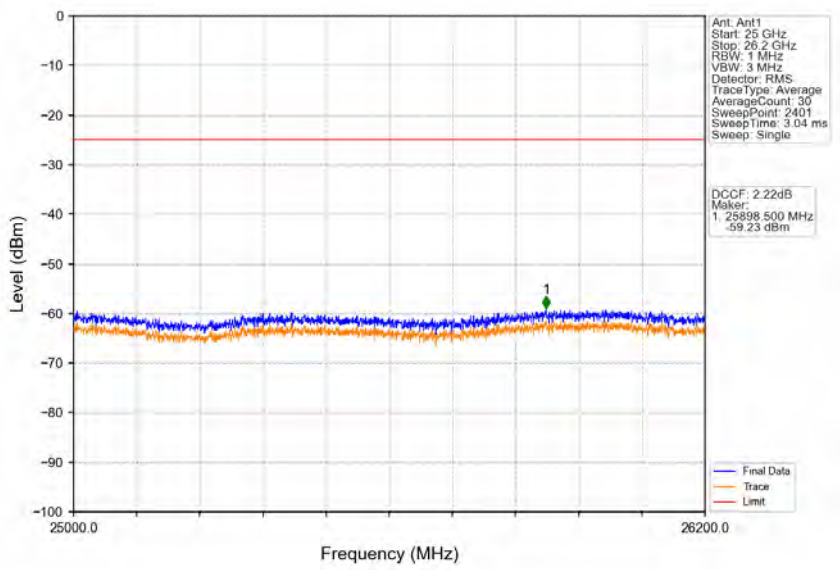
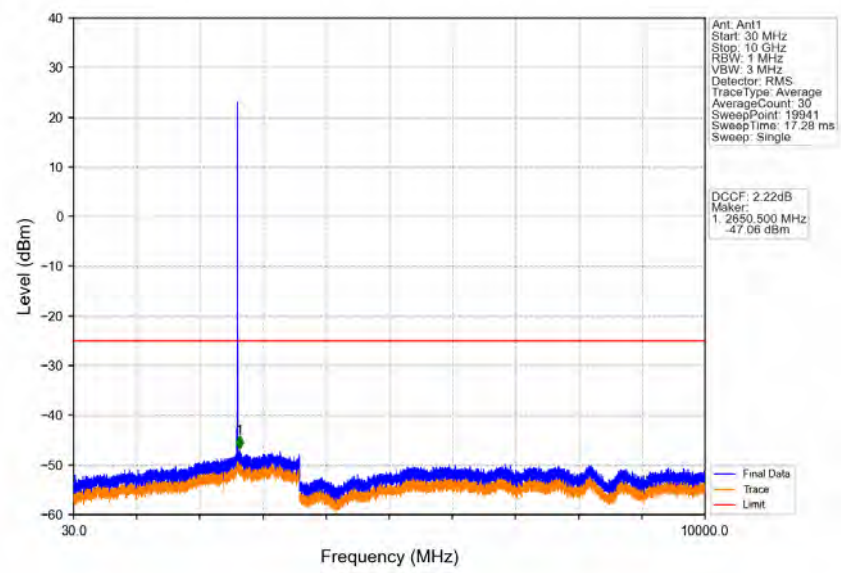
Band38_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



Band38_5MHz_16QAM_HCH_2617.5MHz_RB_1_0_NTNV



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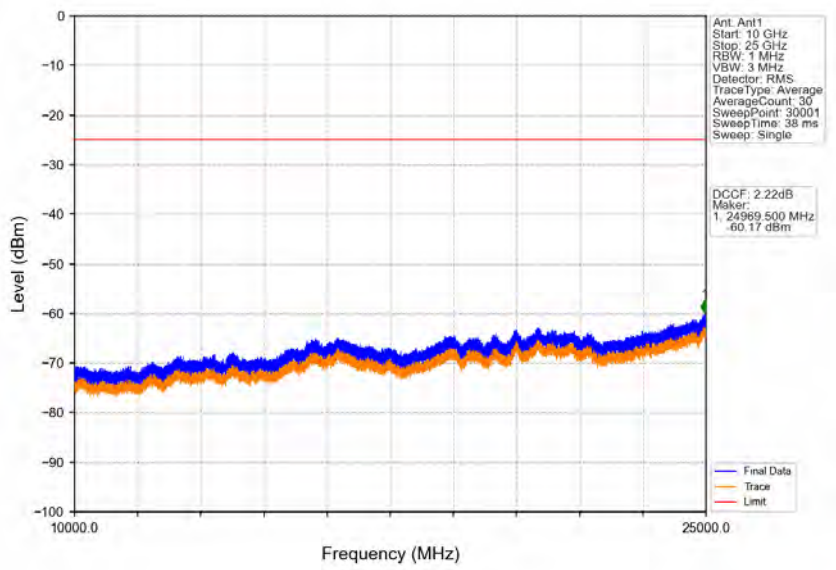
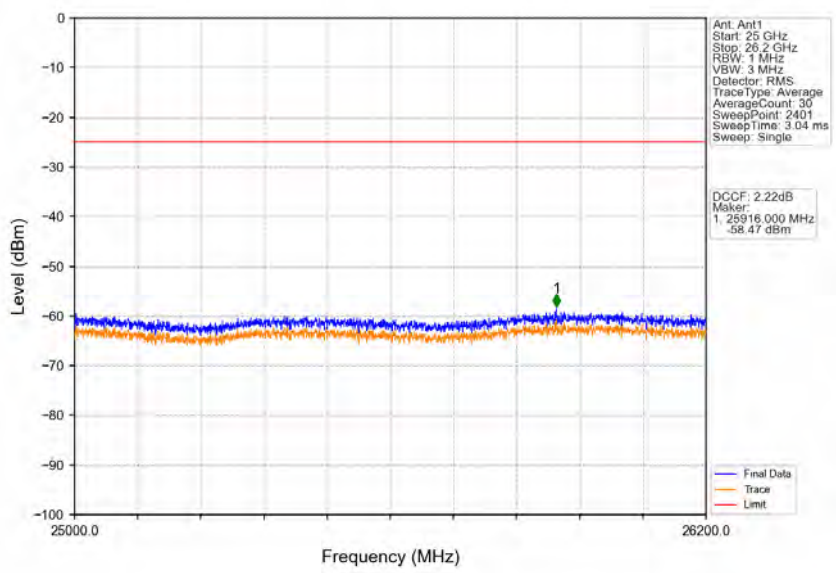
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_16QAM_HCH_2617.5MHz_RB_1_0_NTNV



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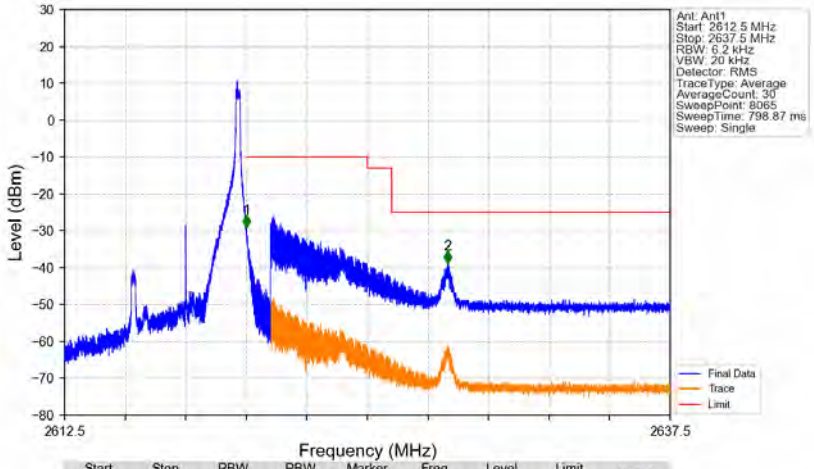
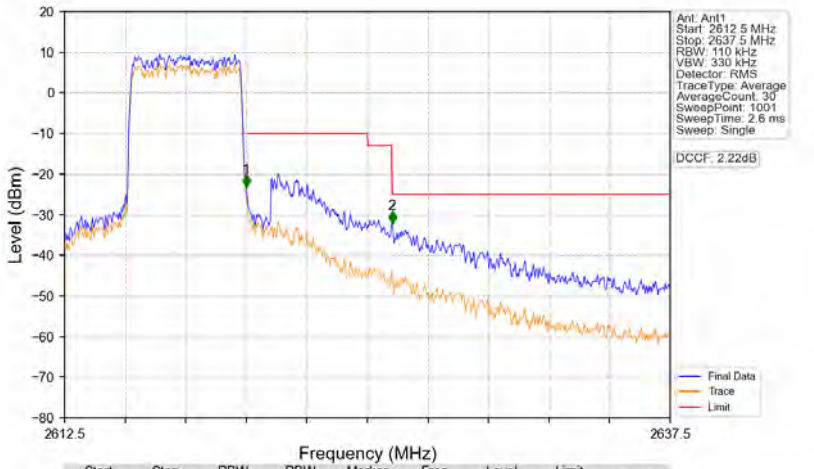
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.012	-29.20	-10	Pass
2621	2637.5	1	22.08	2	2628.323	-38.90	-25	Pass

Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.11	0	/	/	/	/	/
2620	2621	0.11	0	1	2620.000	-23.29	-10	Pass
2621	2637.5	1	9.59	2	2626.025	-32.14	-25	Pass

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5.2 B38_10MHz

5.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

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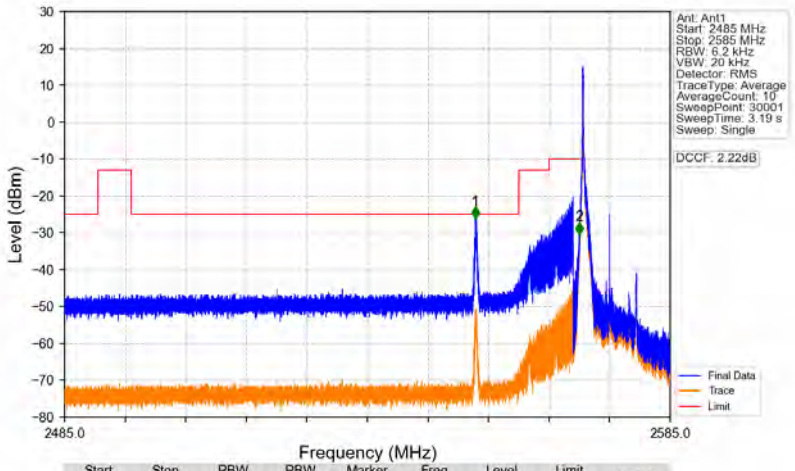
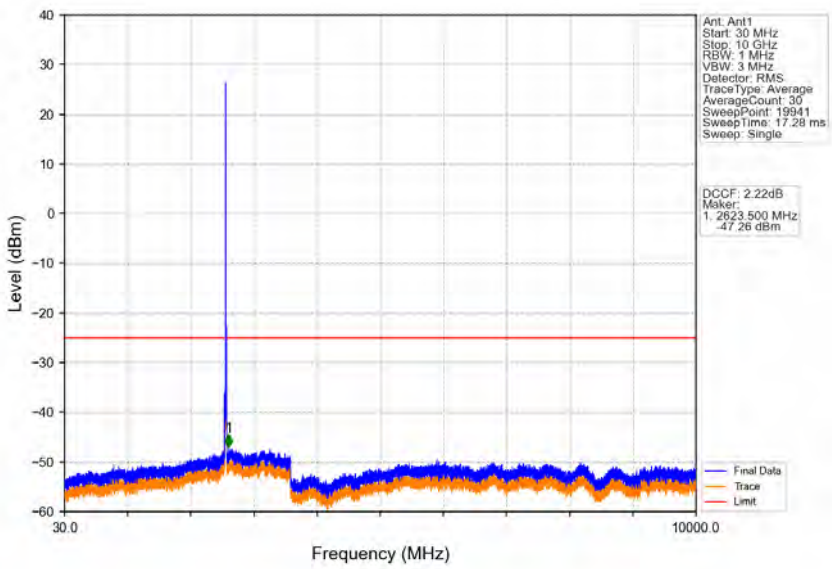
5.2.2 Test Graph

Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2552.853	-26.32	-25	Pass
2569	2570	0.0062	0	2	2569.990	-30.44	-10	Pass
2570	2585	0.0062	0	/	/	/	/	/

Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



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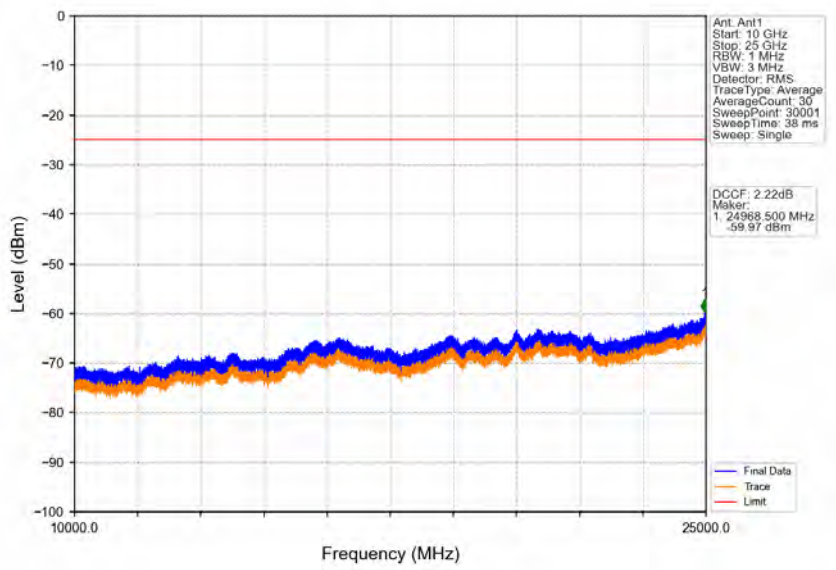
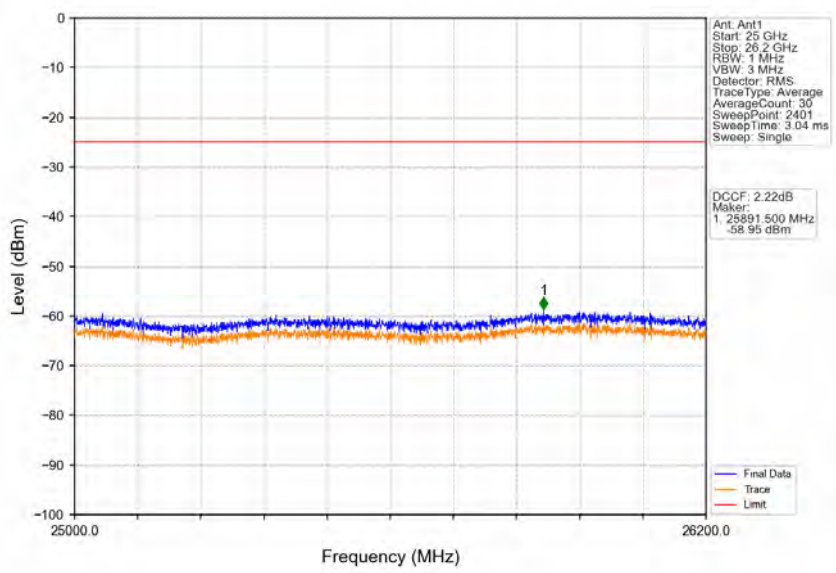
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



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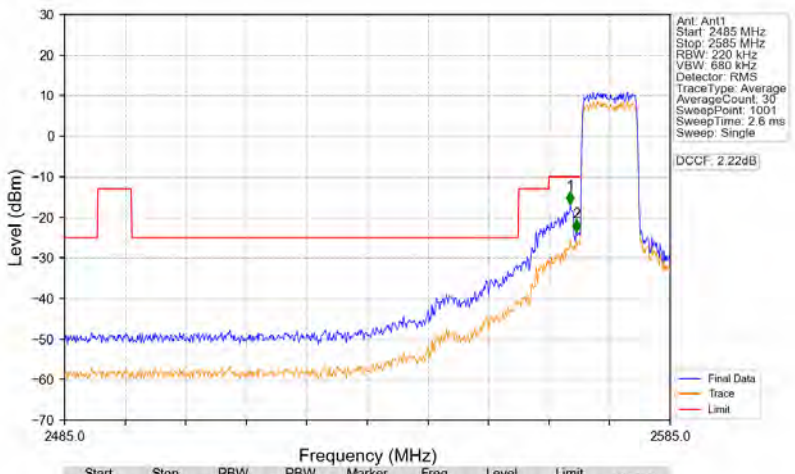
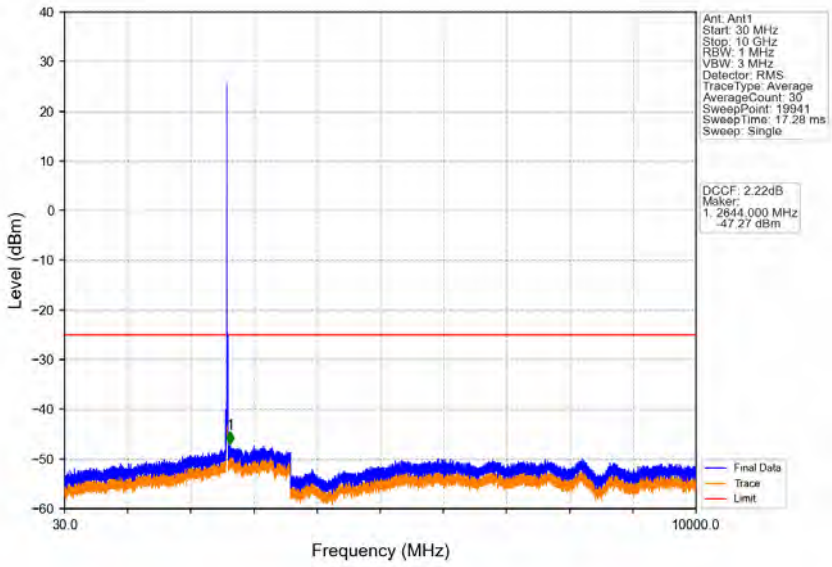
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	6.58	1	2568.500	-16.64	-10	Pass
2569	2570	0.22	0	2	2569.500	-23.55	-10	Pass
2570	2585	0.22	0	/	/	/	/	/

Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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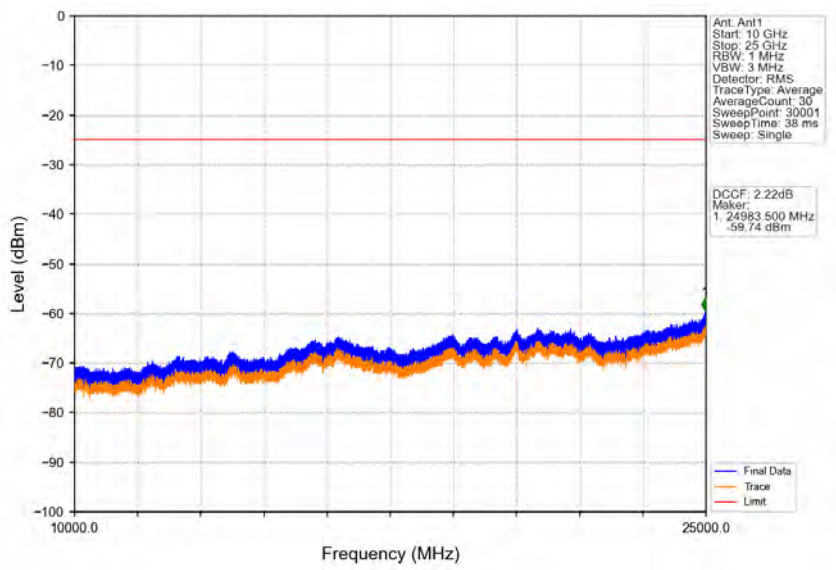
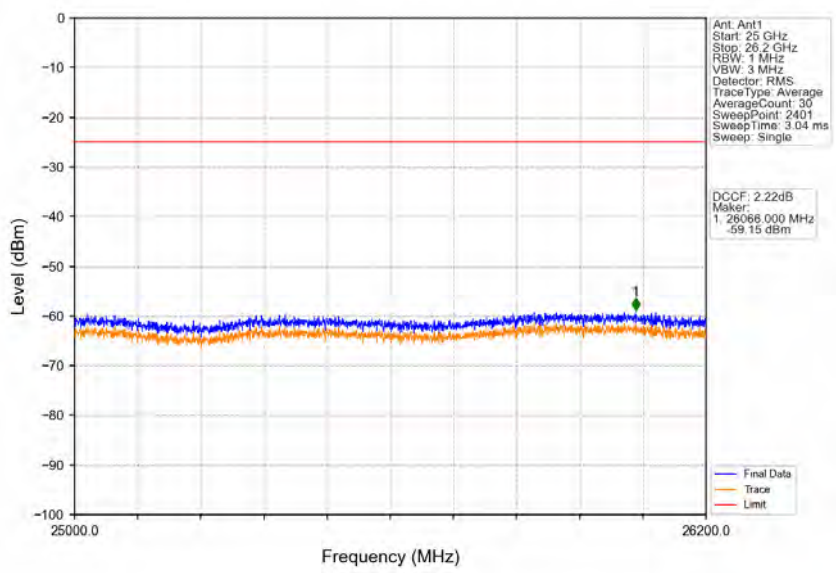
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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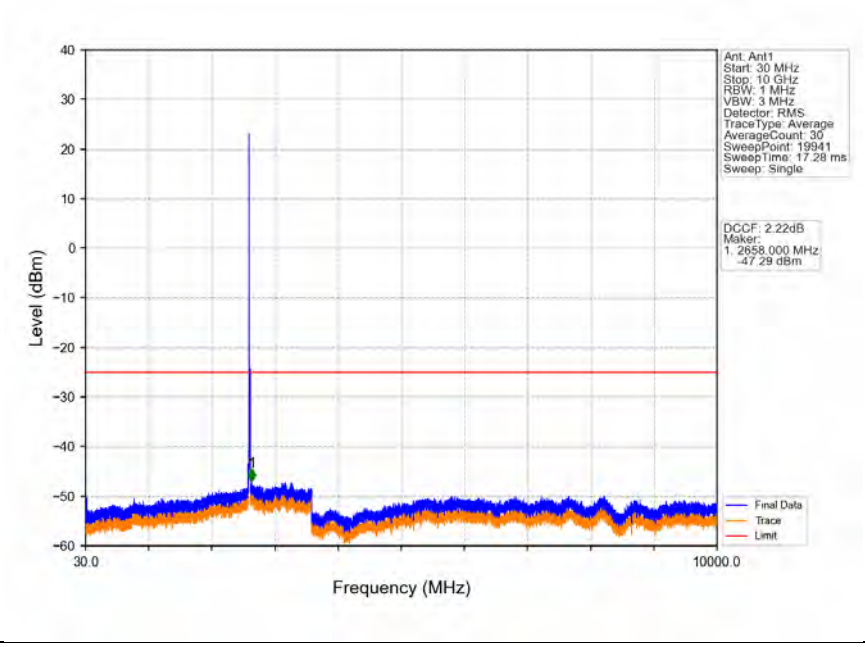
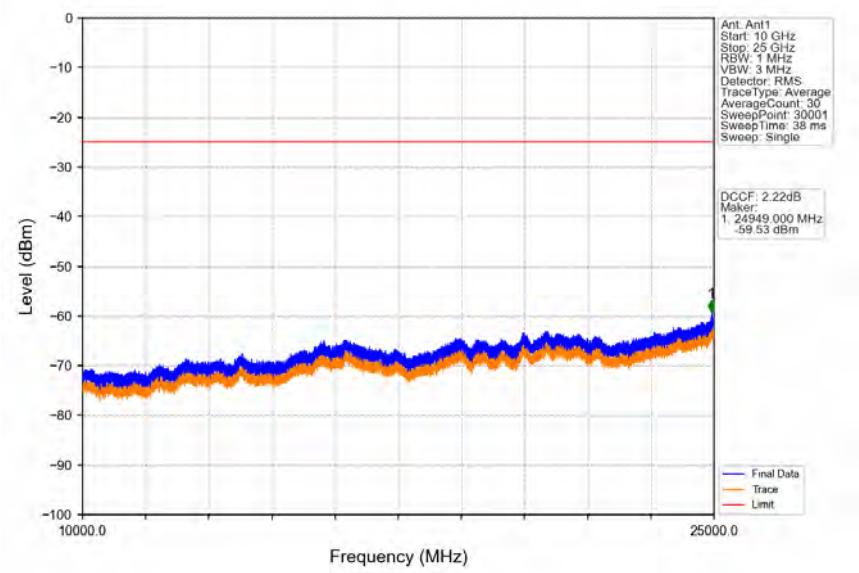
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



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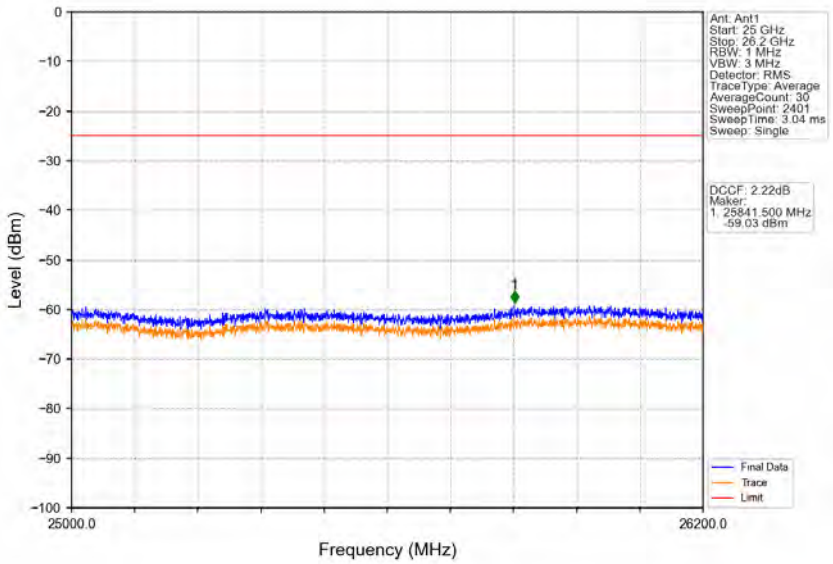
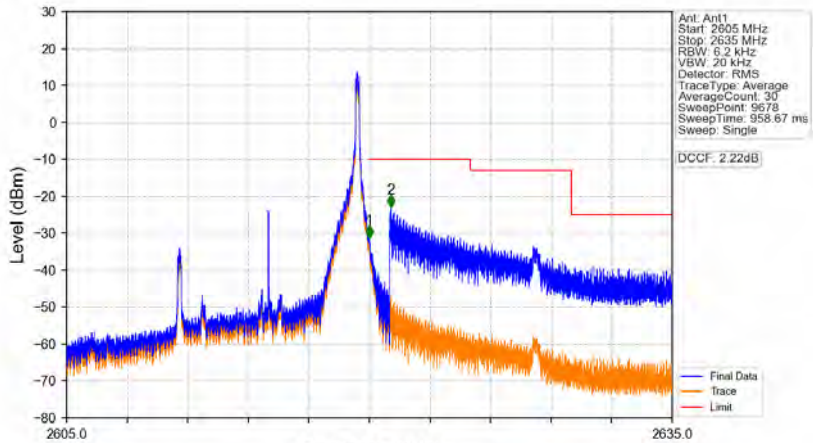
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.002	-31.39	-10	Pass
2621	2635	1	22.08	2	2621.074	-23.00	-10	Pass

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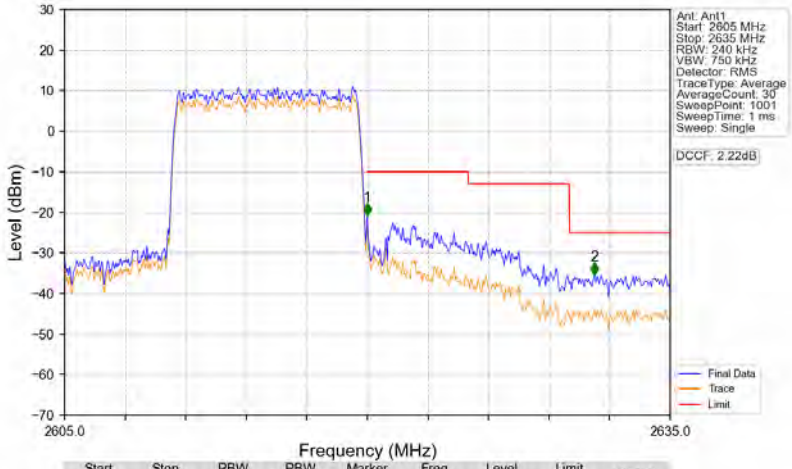
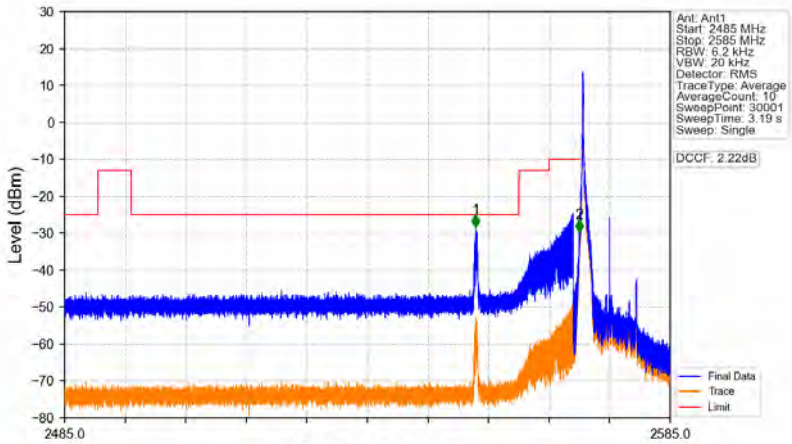
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.24	0	/	/	/	/	/
2620	2621	0.24	0	1	2620.000	-20.73	-10	Pass
2621	2635	1	6.2	2	2631.250	-35.35	-25	Pass

Band38_10MHz_16QAM_LCH_2575MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2552.897	-28.37	-25	Pass
2569	2570	0.0062	0	2	2569.983	-29.76	-10	Pass
2570	2585	0.0062	0	/	/	/	/	/

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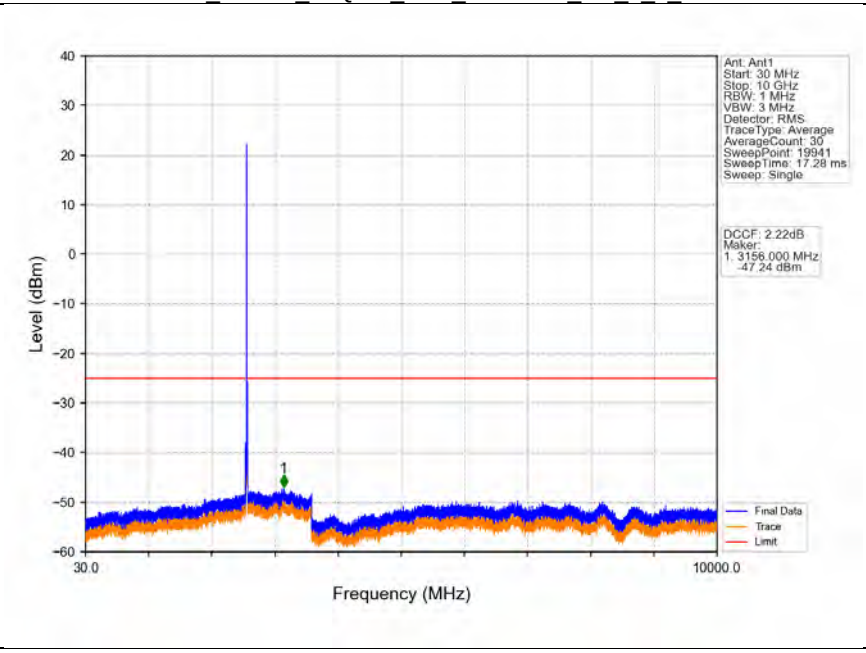
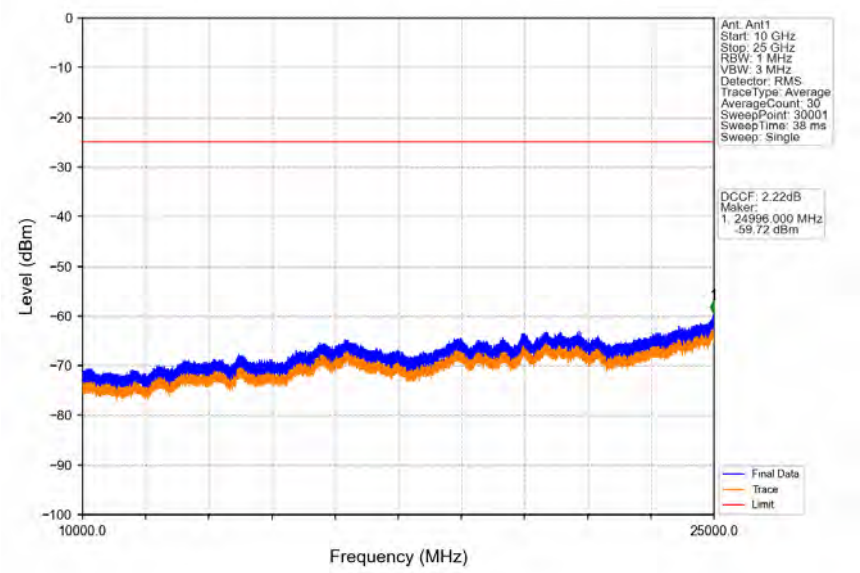
Band38_10MHz_16QAM_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_16QAM_LCH_2575MHz_RB_1_0_NTNV



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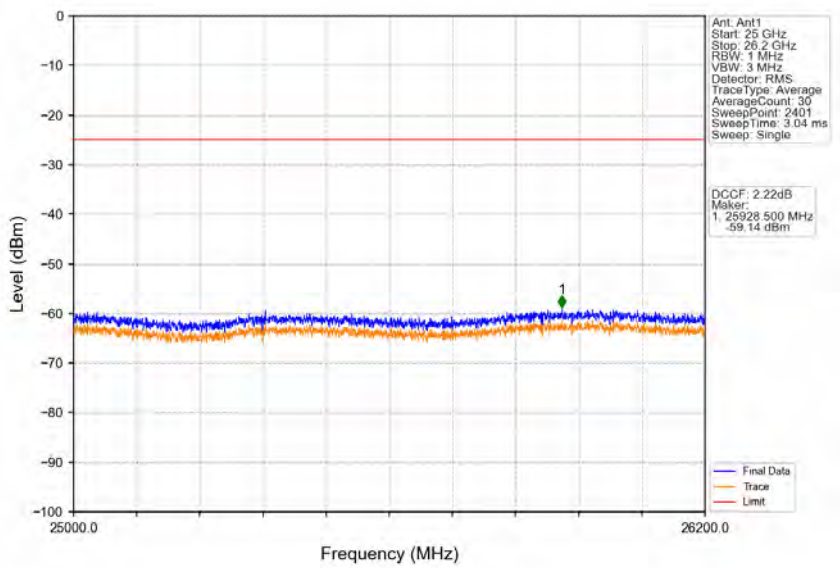
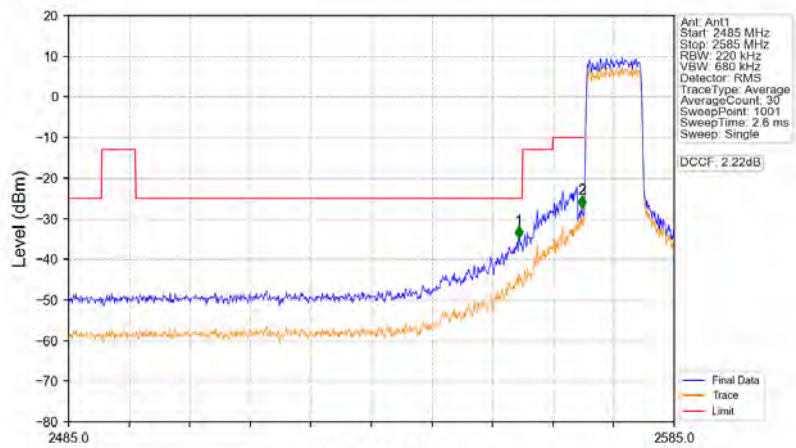


Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	6.58	1	2559.300	-34.93	-25	Pass
2569	2570	0.22	0	2	2569.800	-27.38	-10	Pass
2570	2585	0.22	0	/	/	/	/	/

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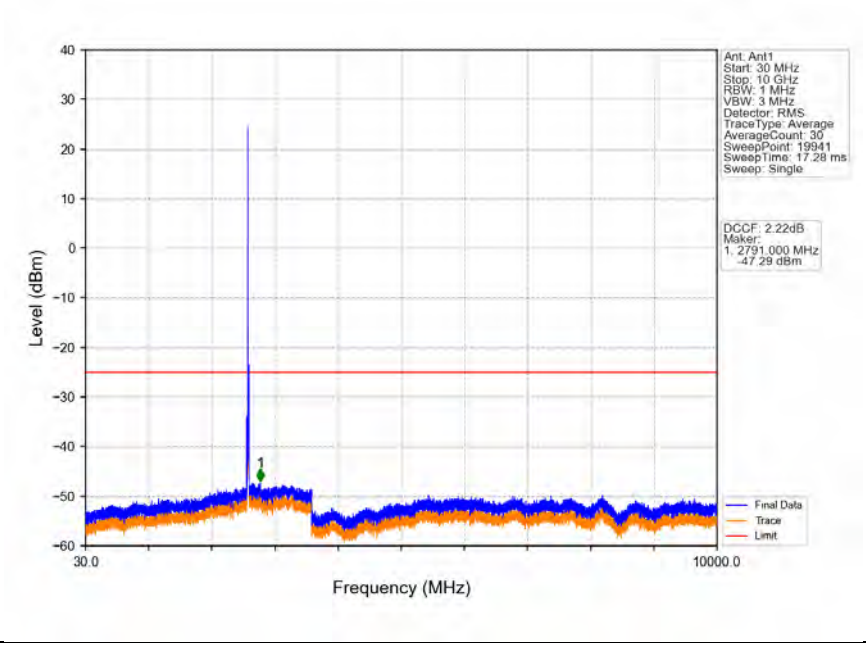
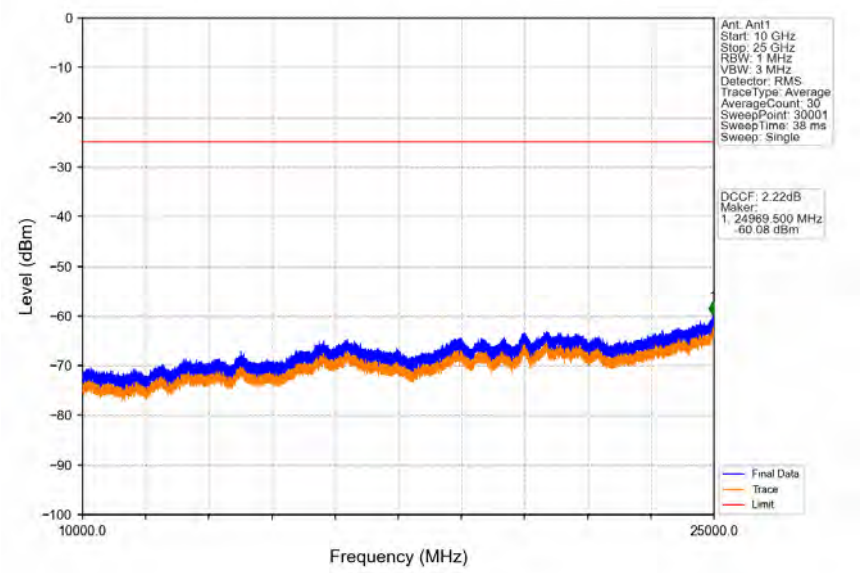


Band38_10MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



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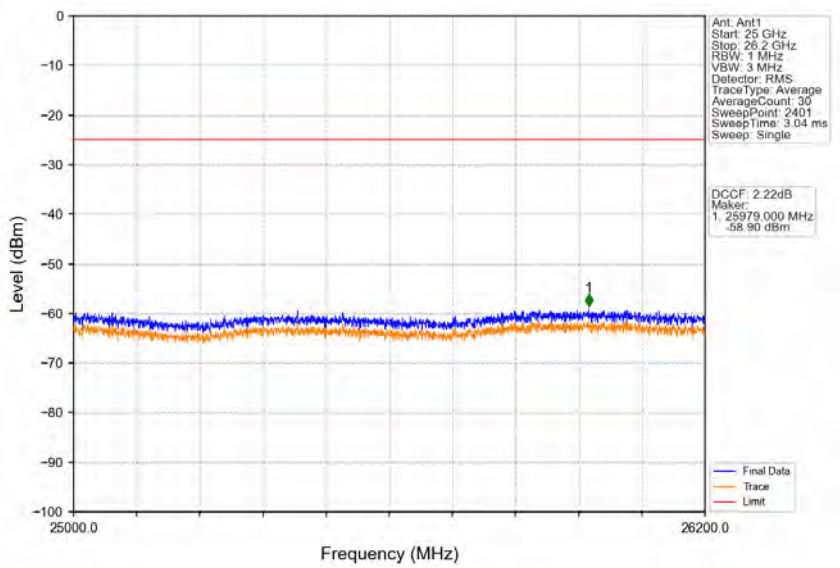
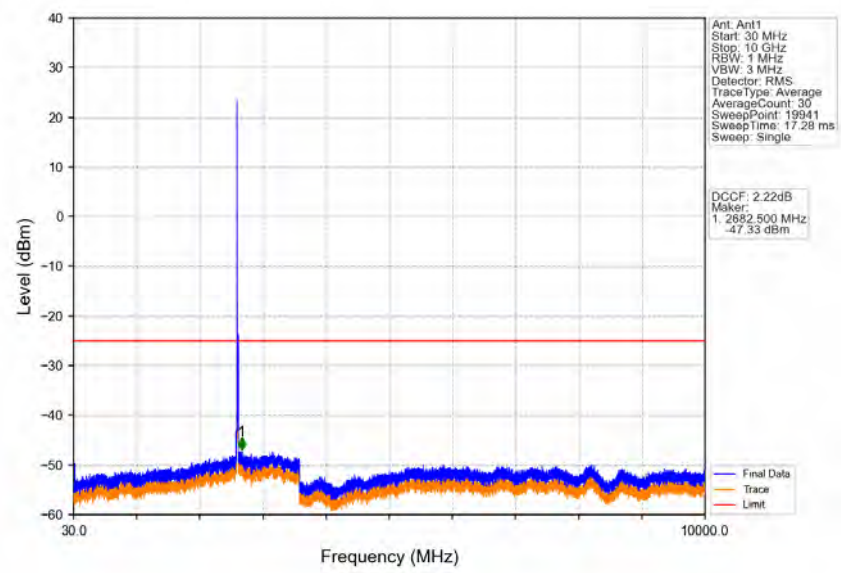


Band38_10MHz_16QAM_HCH_2615MHz_RB_1_0_NTNV



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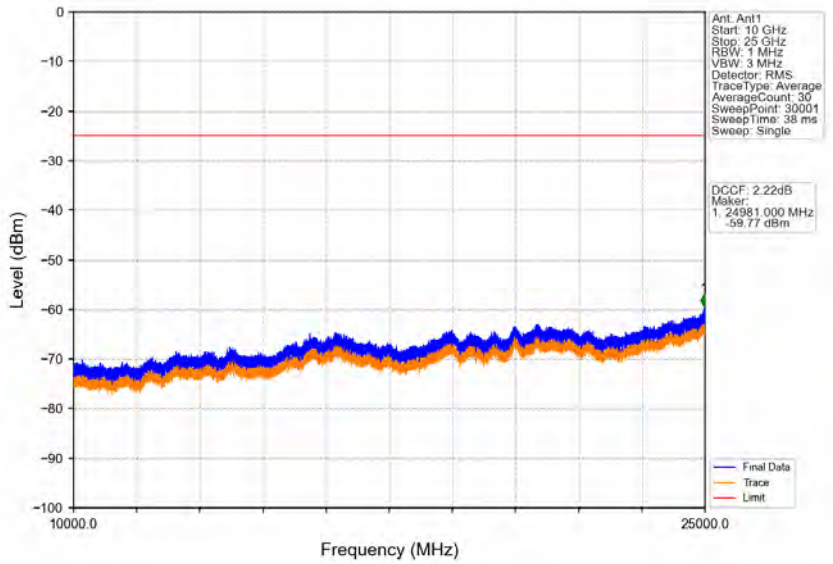

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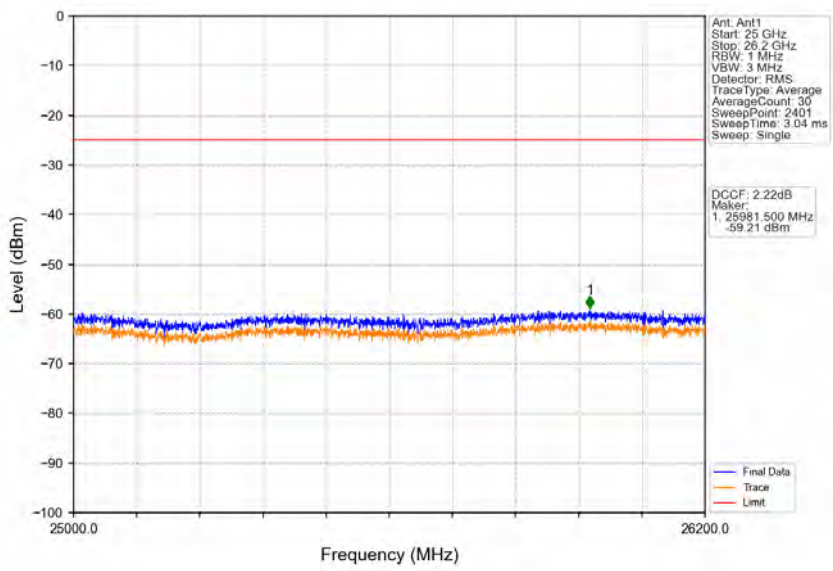

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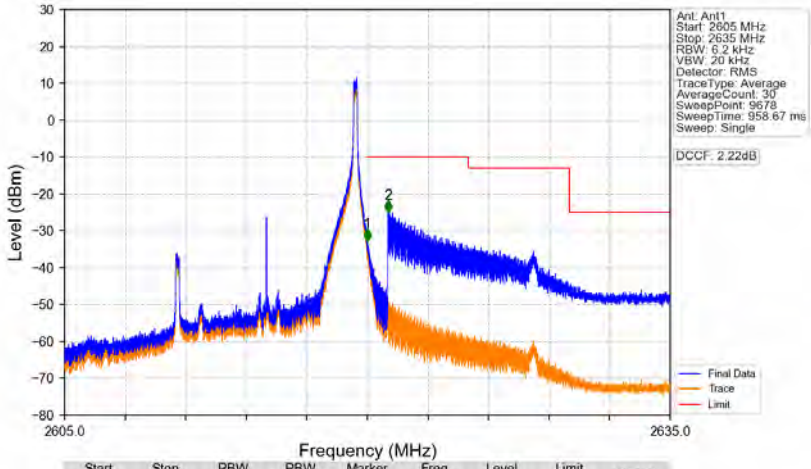
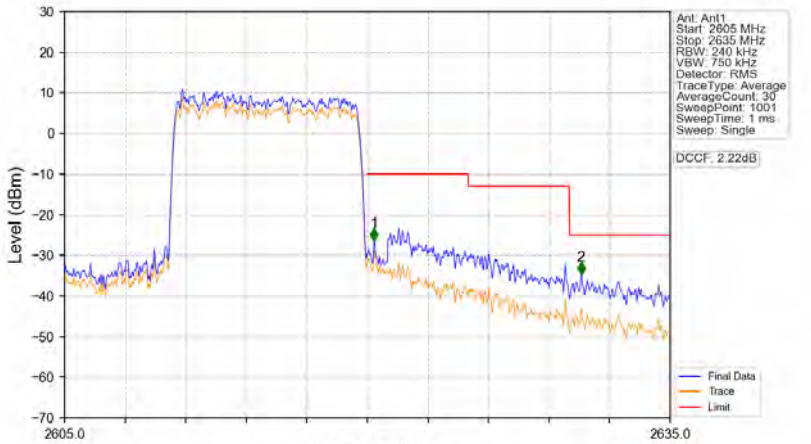
Band38_10MHz_16QAM_HCH_2615MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.002	-32.93	-10	Pass
2621	2635	1	22.08	2	2621.025	-25.14	-10	Pass

Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.24	0	/	/	/	/	/
2620	2621	0.24	0	1	2620.330	-26.42	-10	Pass
2621	2635	1	6.2	2	2630.590	-34.68	-25	Pass

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5.3 B38_15MHz

5.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

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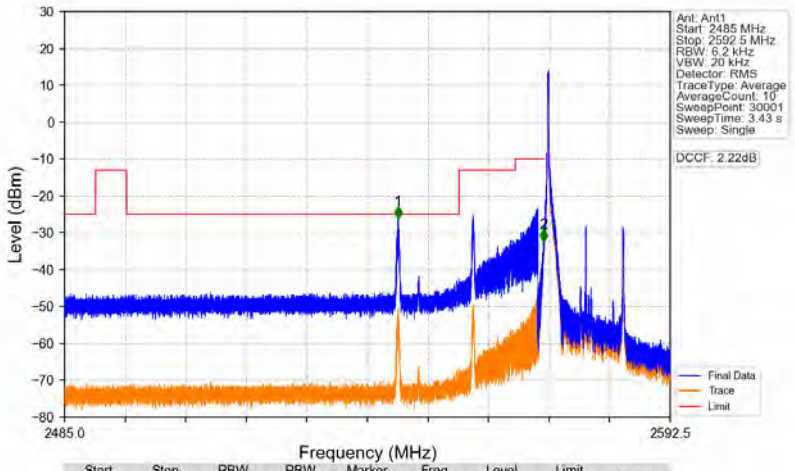
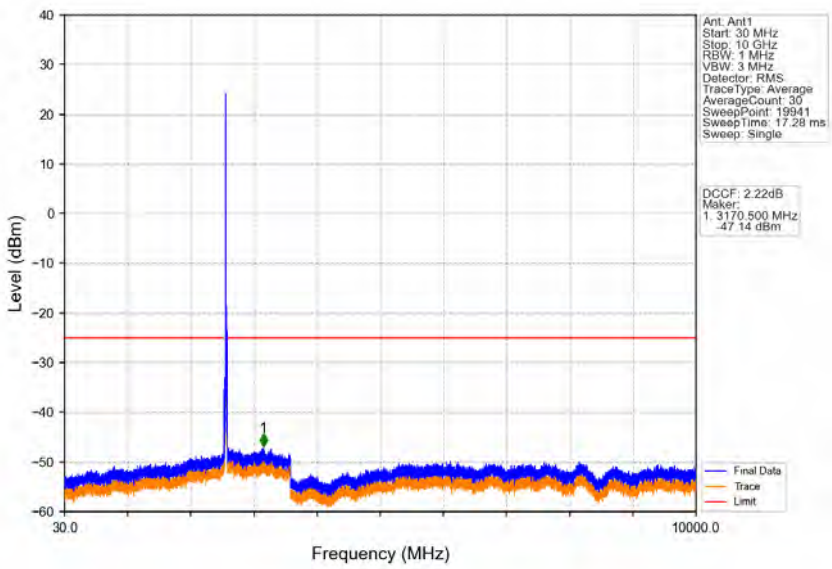
5.3.2 Test Graph

Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2544.200	-26.24	-25	Pass
2569	2570	0.0062	0	2	2569.997	-32.43	-10	Pass
2570	2592.5	0.0062	0	/	/	/	/	/

Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



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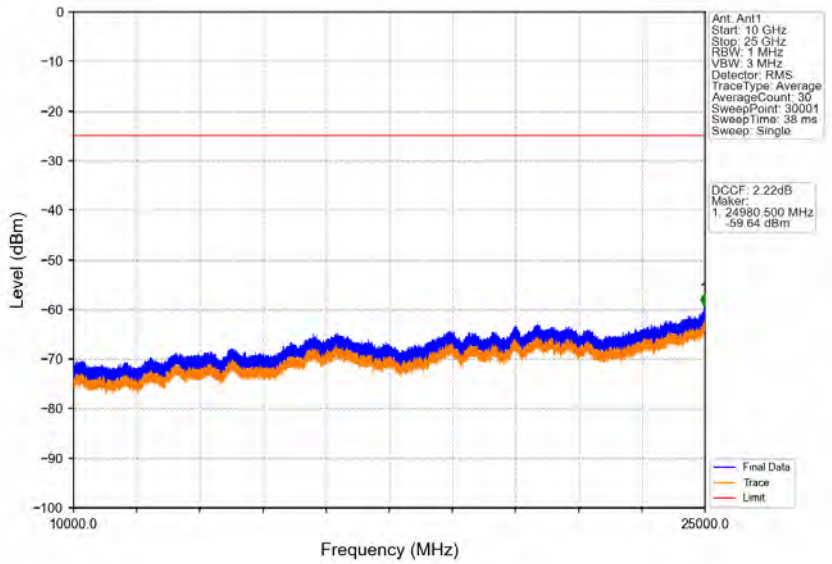
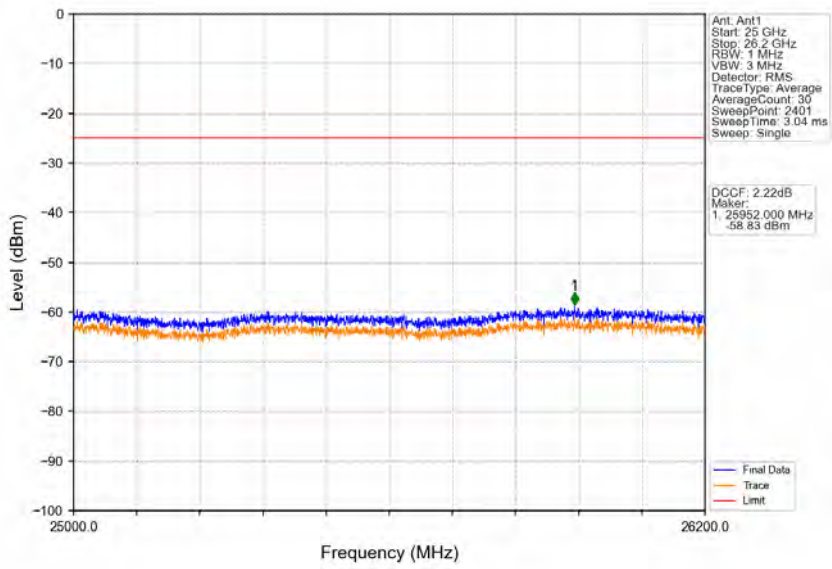
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



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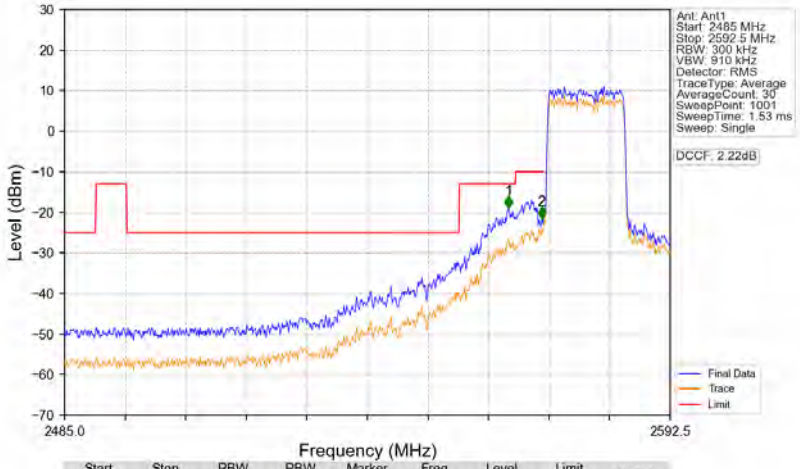
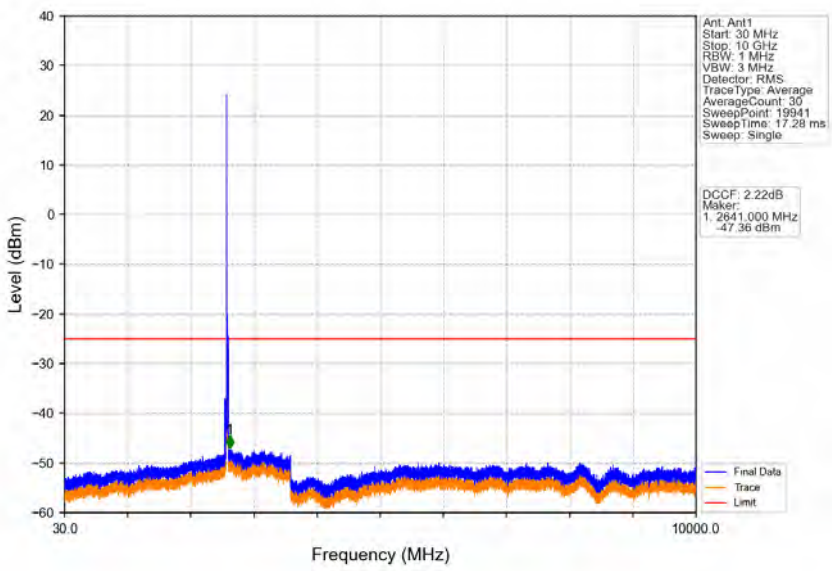
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	5.23	1	2563.798	-18.98	-13	Pass
2569	2570	0.3	0	2	2569.710	-21.72	-10	Pass
2570	2592.5	0.3	0	/	/	/	/	/

Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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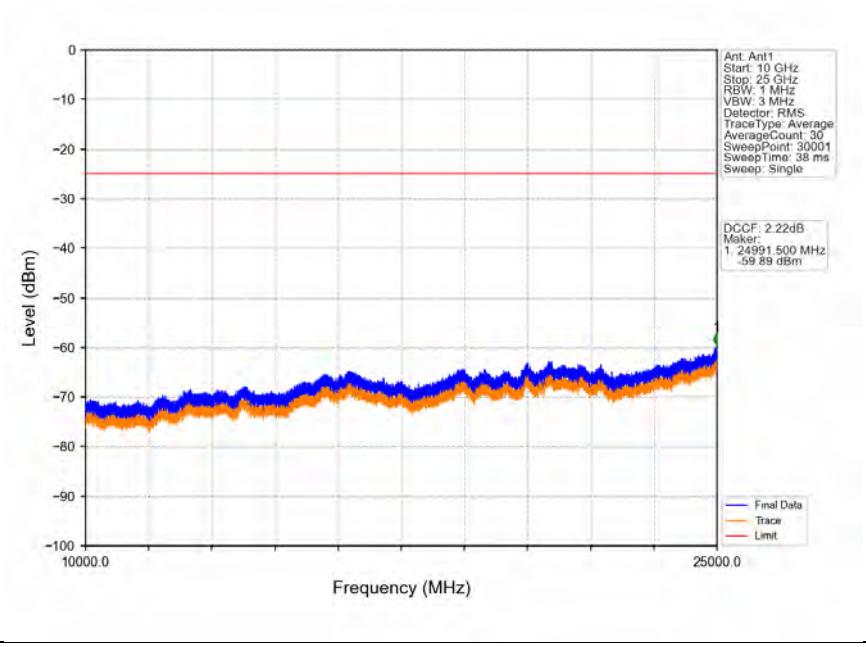
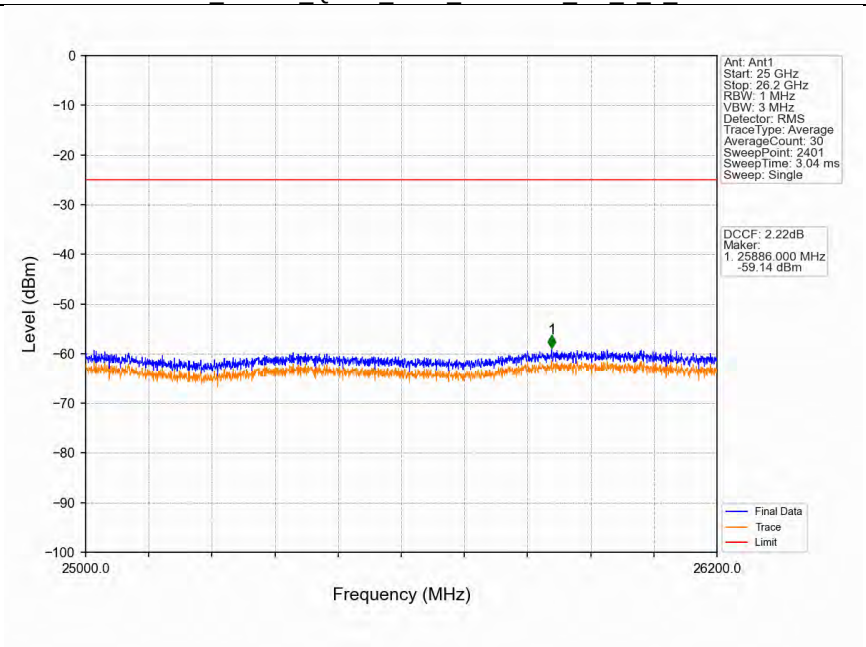
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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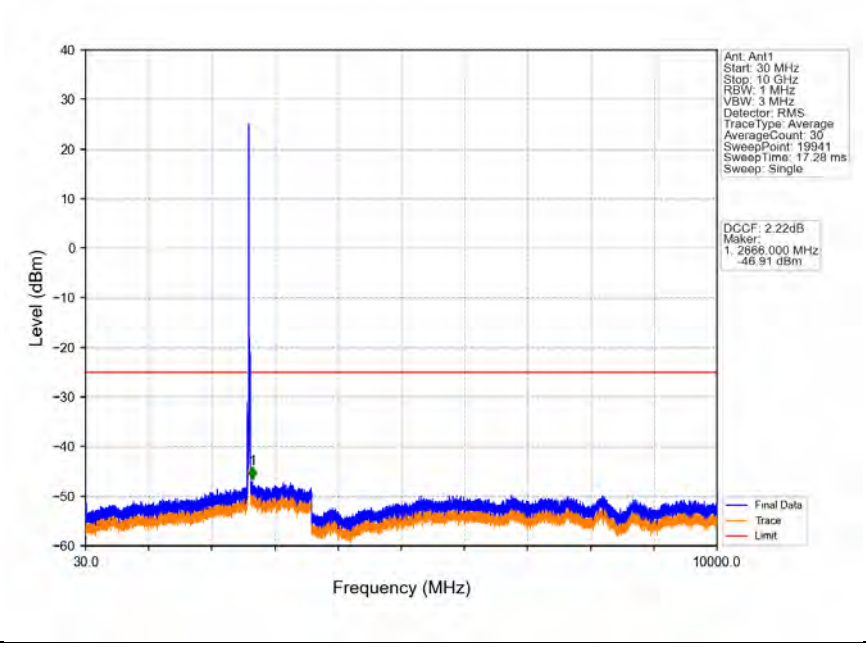
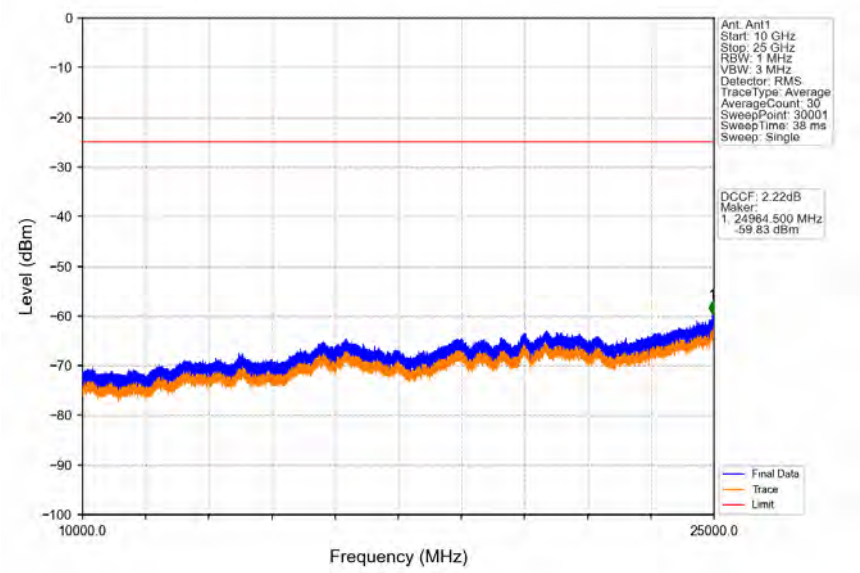
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



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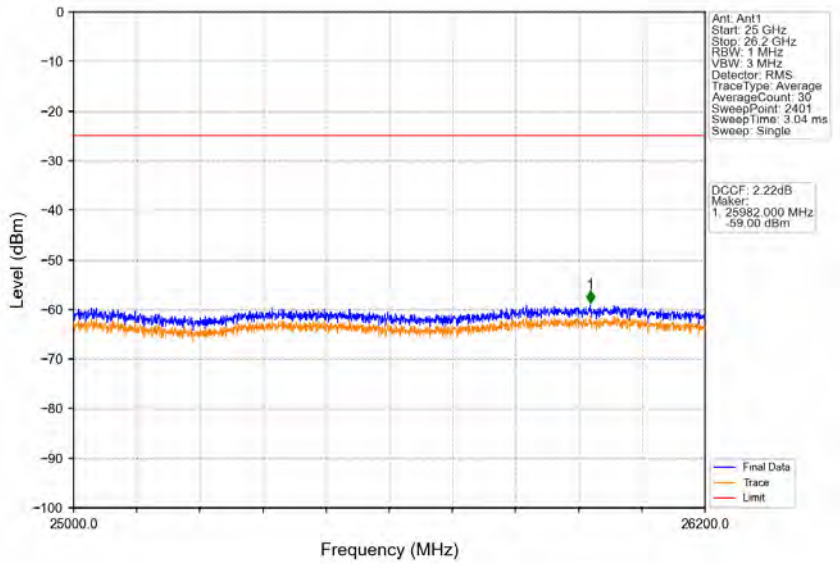
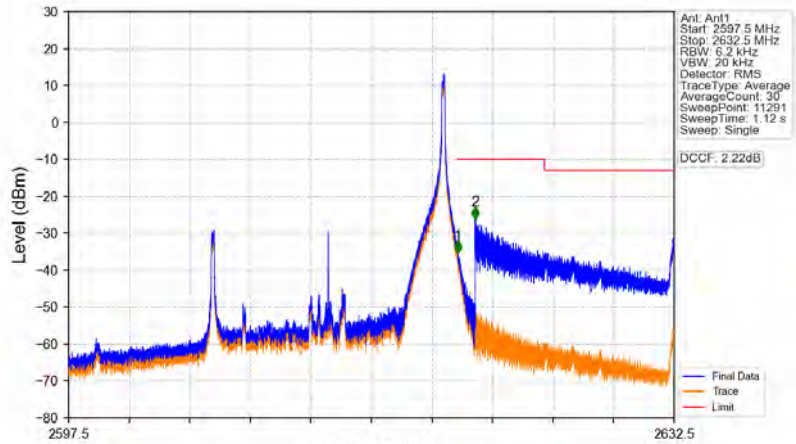
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.000	-35.47	-10	Pass
2621	2632.5	1	22.08	2	2621.002	-26.34	-10	Pass

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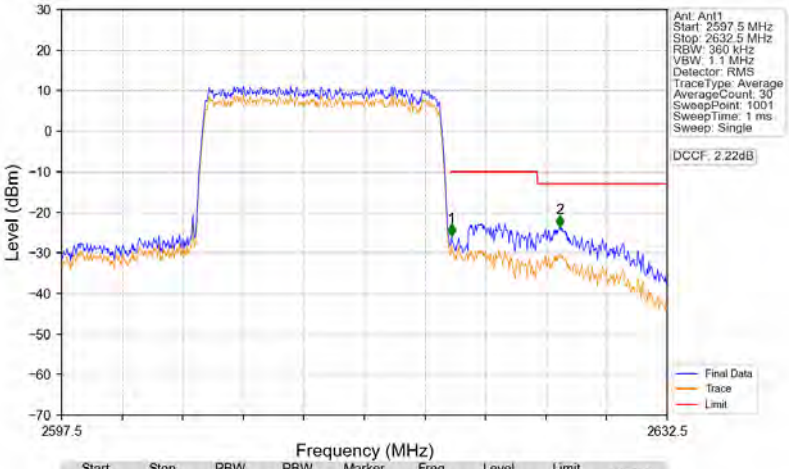
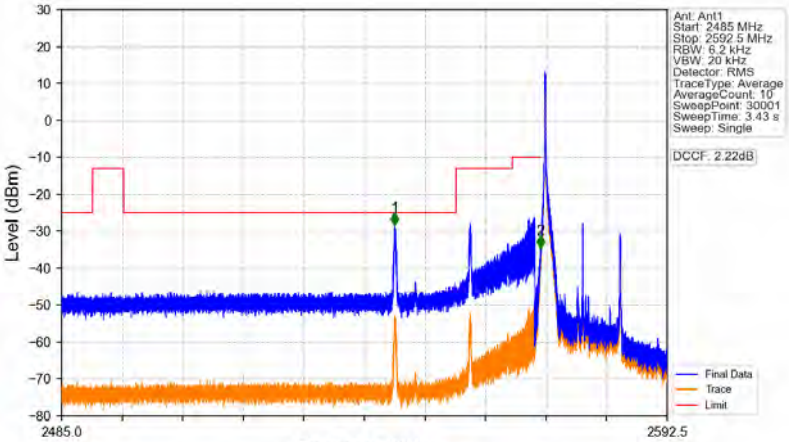


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.36	0	/	/	/	/	/
2620	2621	0.36	0	1	2620.040	-25.90	-10	Pass
2621	2632.5	1	4.44	2	2626.305	-23.72	-13	Pass

Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2544.143	-28.36	-25	Pass
2569	2570	0.0062	0	2	2569.979	-34.58	-10	Pass
2570	2592.5	0.0062	0	/	/	/	/	/

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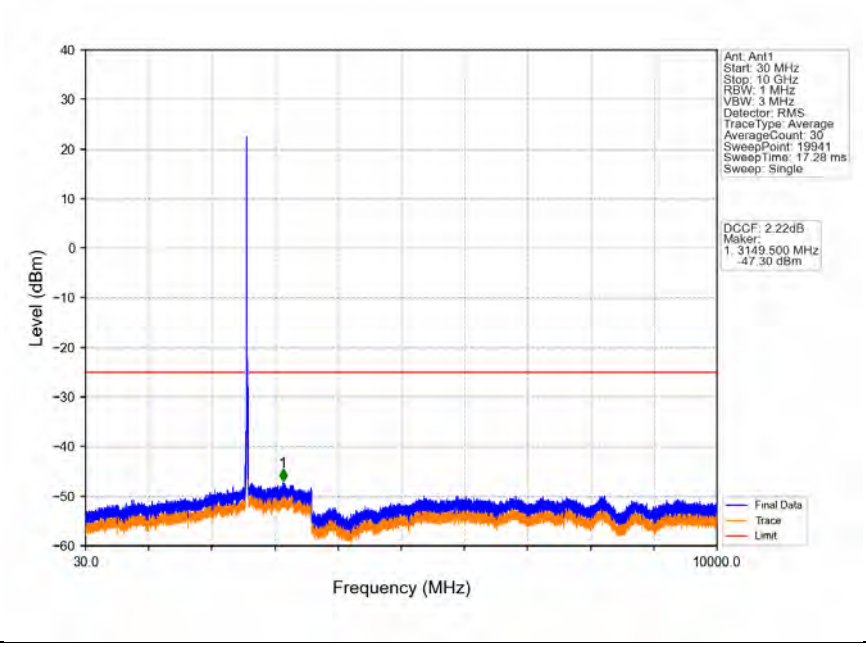
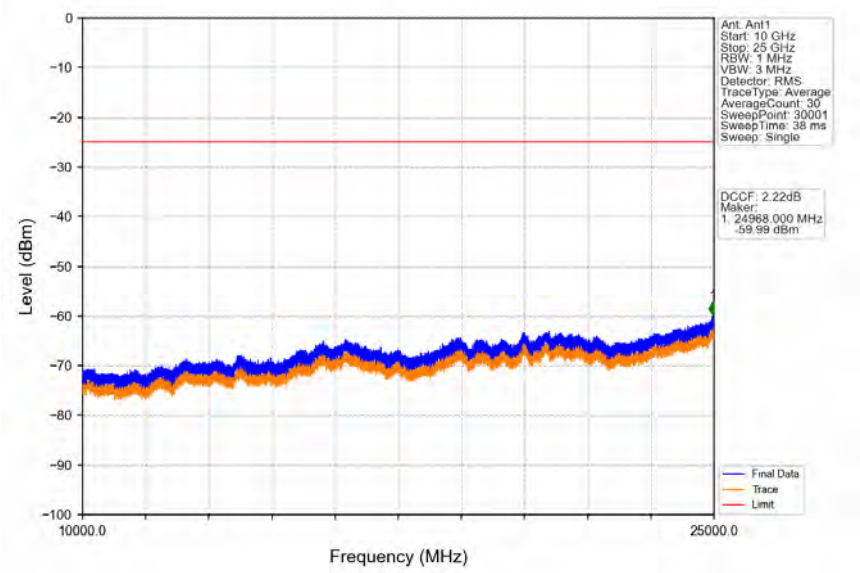
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV



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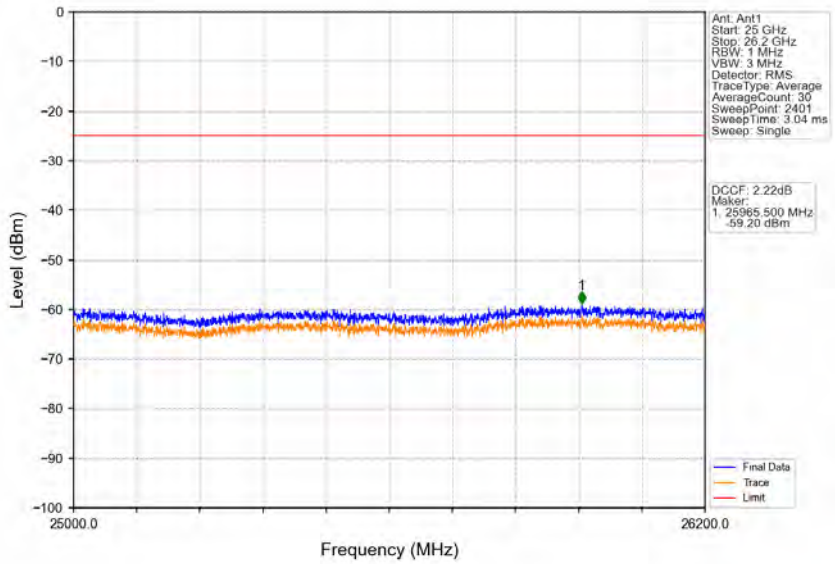
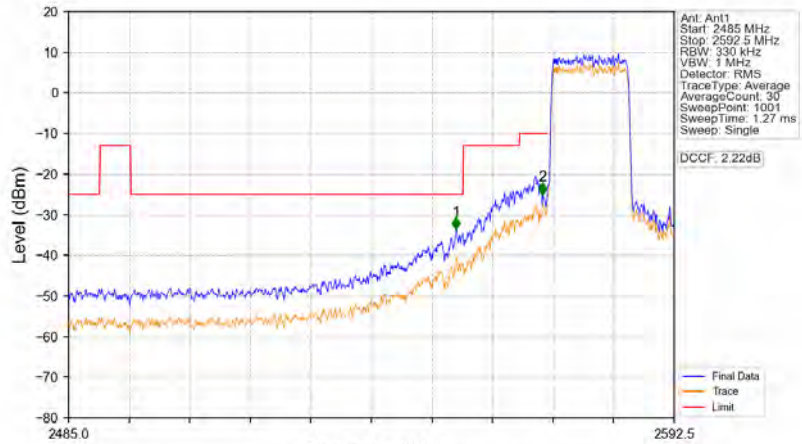
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	4.81	1	2553.800	-33.57	-25	Pass
2569	2570	0.33	0	2	2569.173	-25.09	-10	Pass
2570	2592.5	0.33	0	/	/	/	/	/

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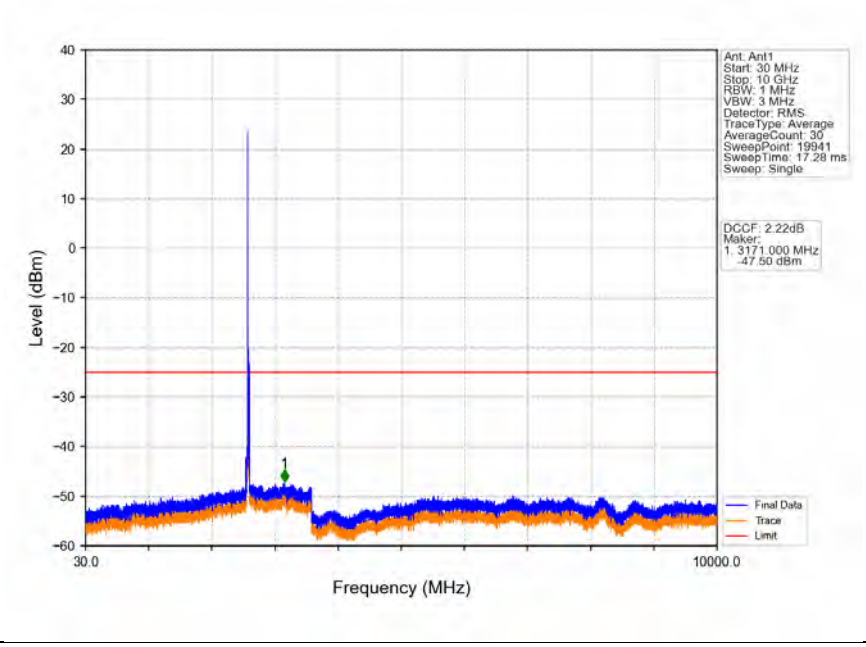
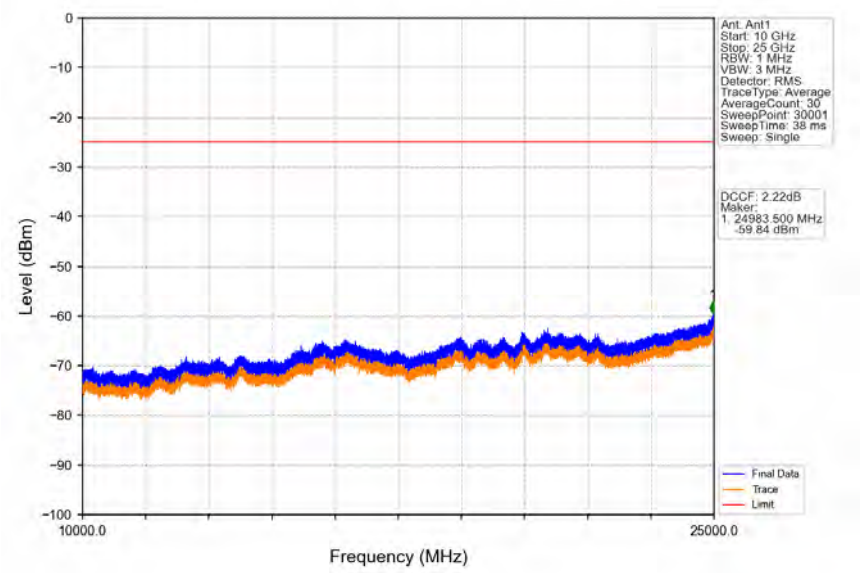
Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



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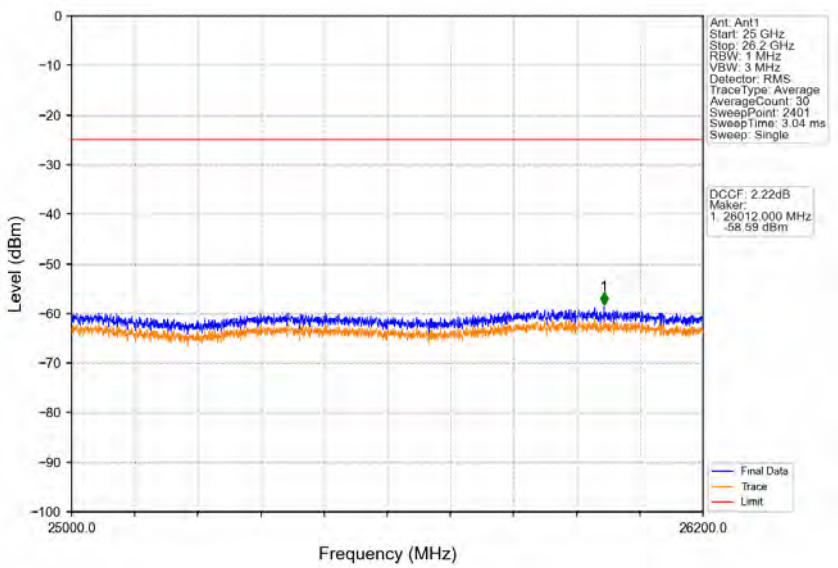
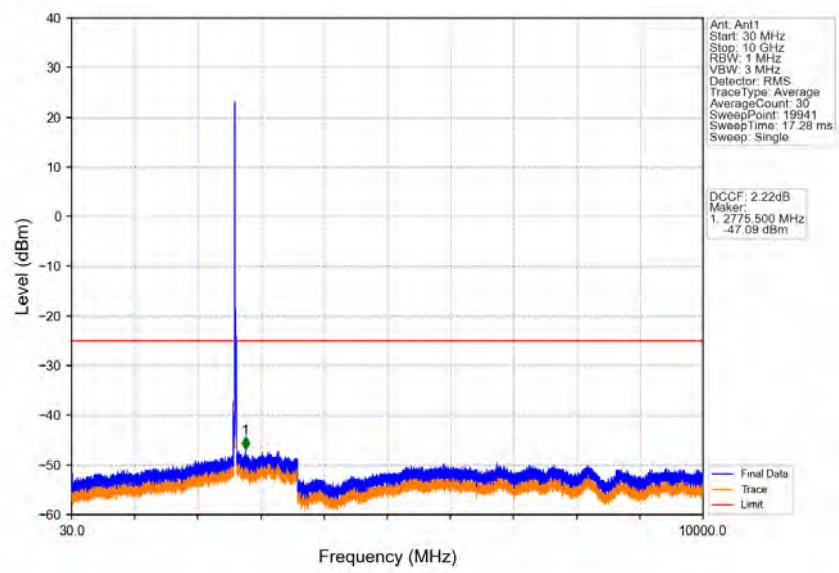
Band38_15MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_0_NTNV



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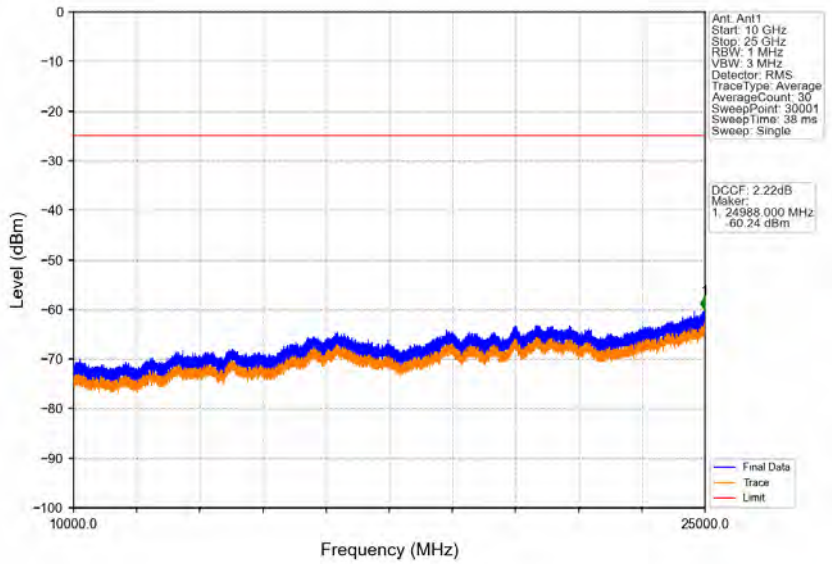
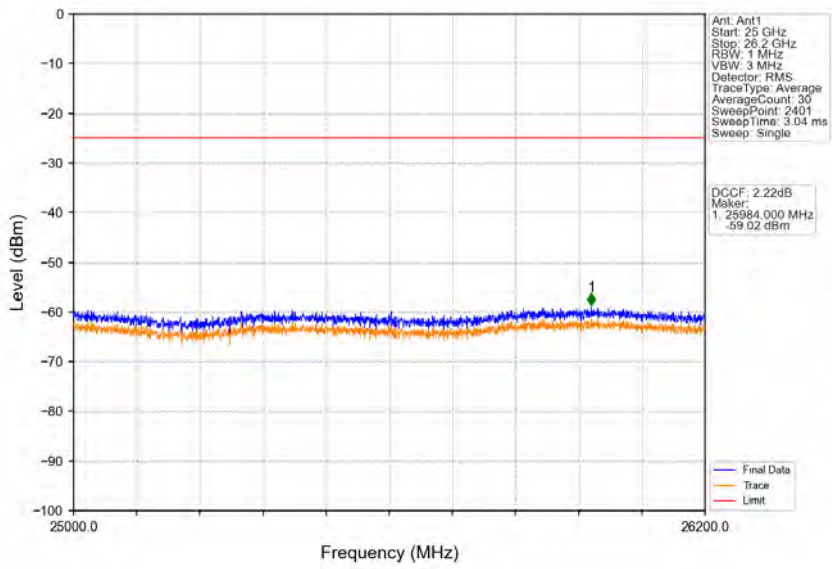
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_0_NTNV



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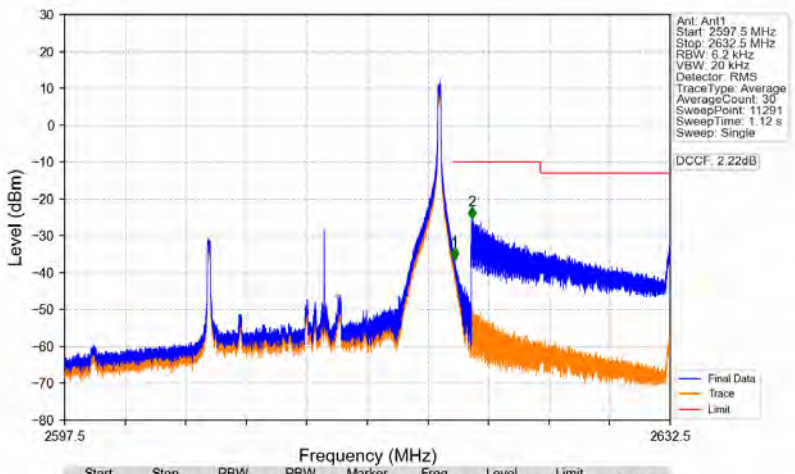
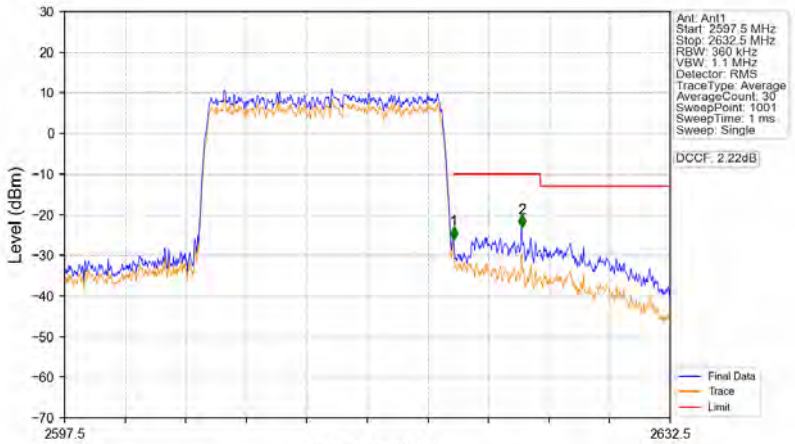
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.044	-36.54	-10	Pass
2621	2632.5	1	22.08	2	2621.045	-25.49	-10	Pass

Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.36	0	/	/	/	/	/
2620	2621	0.36	0	1	2620.005	-25.99	-10	Pass
2621	2632.5	1	4.44	2	2623.925	-23.12	-10	Pass

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5.4 B38_20MHz

5.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

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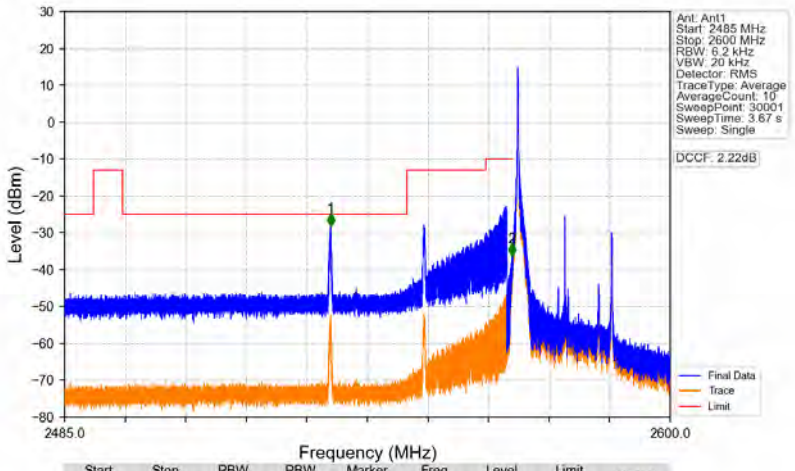
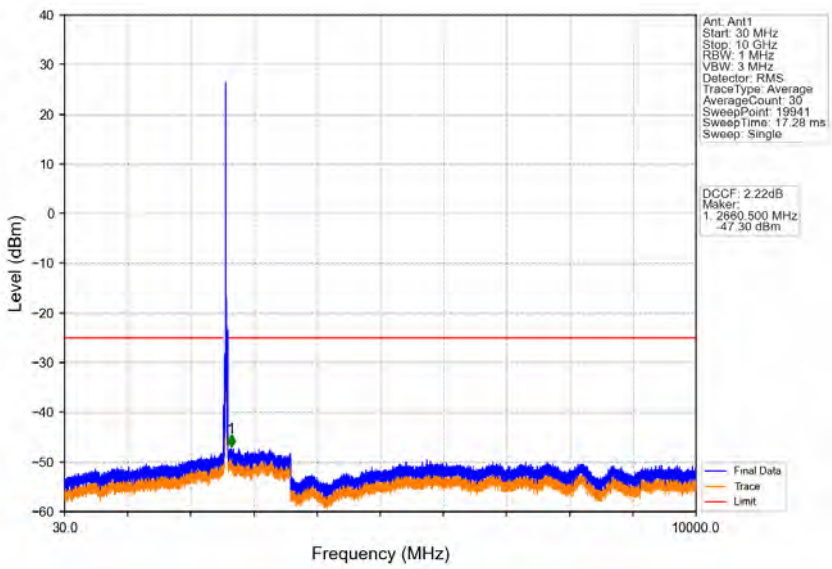
5.4.2 Test Graph

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2535.543	-28.19	-25	Pass
2569	2570	0.0062	0	2	2569.950	-36.30	-10	Pass
2570	2600	0.0062	0	/	/	/	/	/

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



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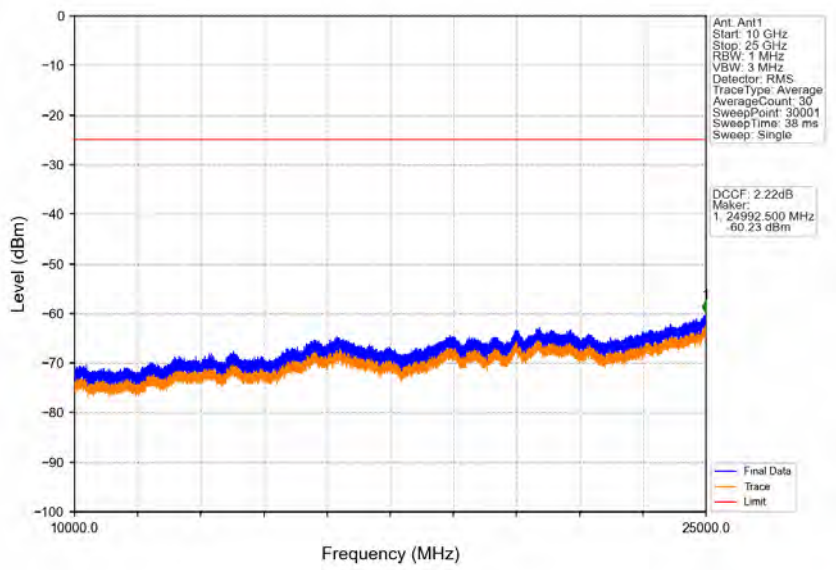
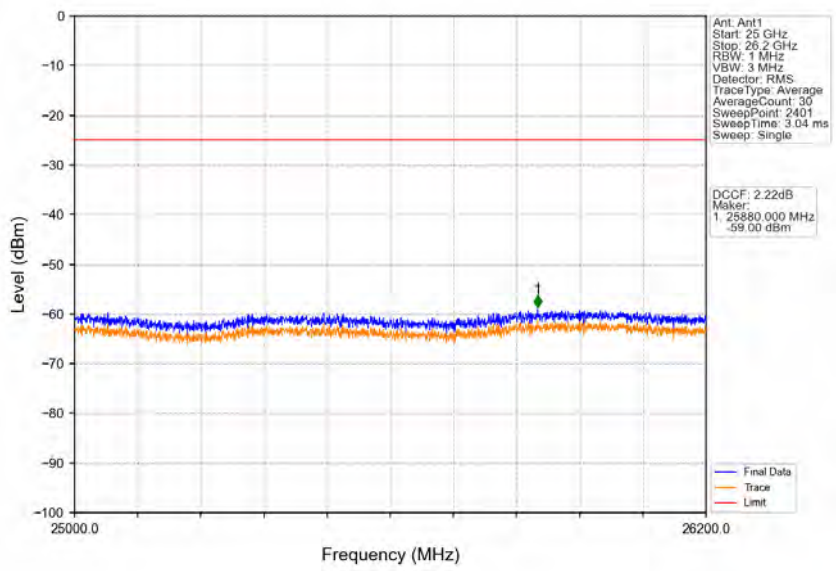
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



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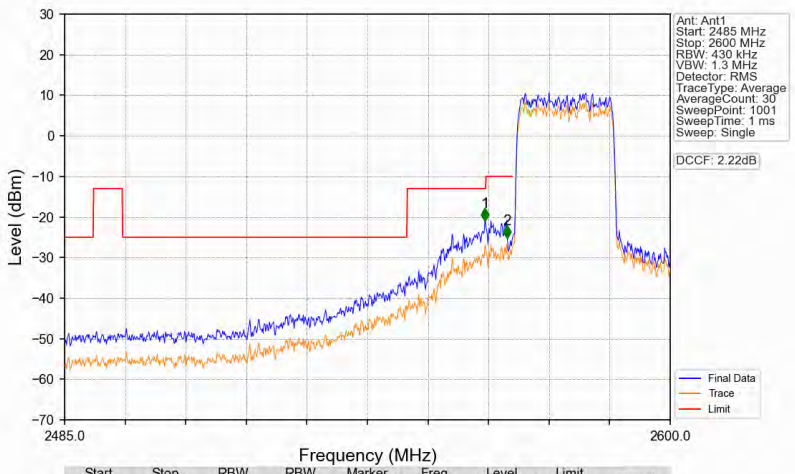
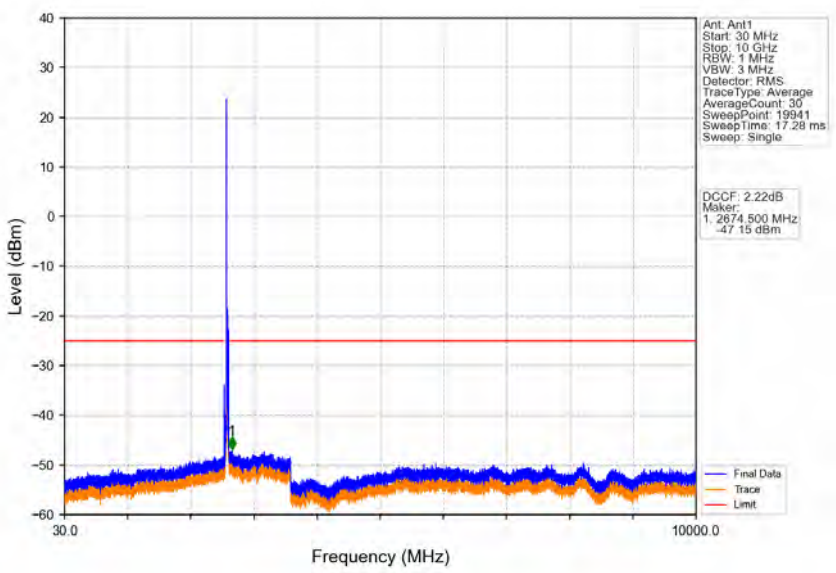
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	3.67	1	2564.810	-21.01	-13	Pass
2569	2570	0.43	0	2	2569.065	-25.27	-10	Pass
2570	2600	0.43	0	/	/	/	/	/

Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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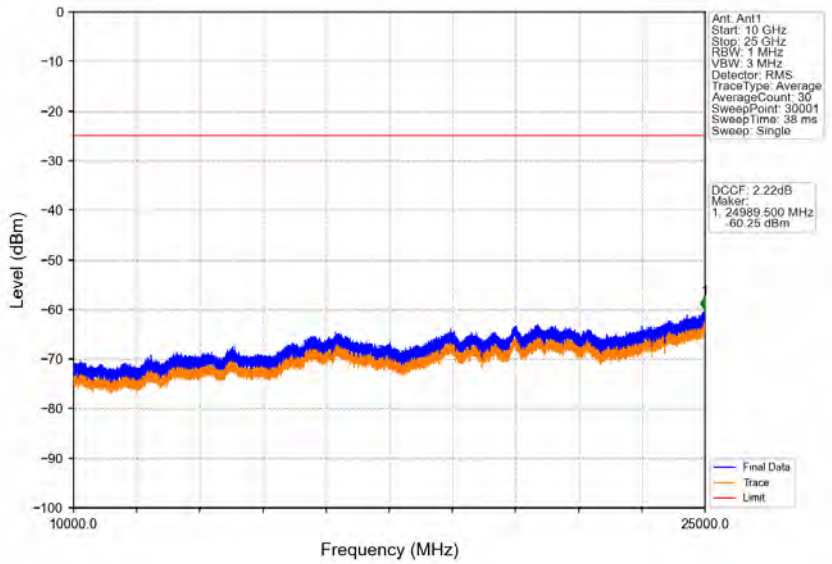
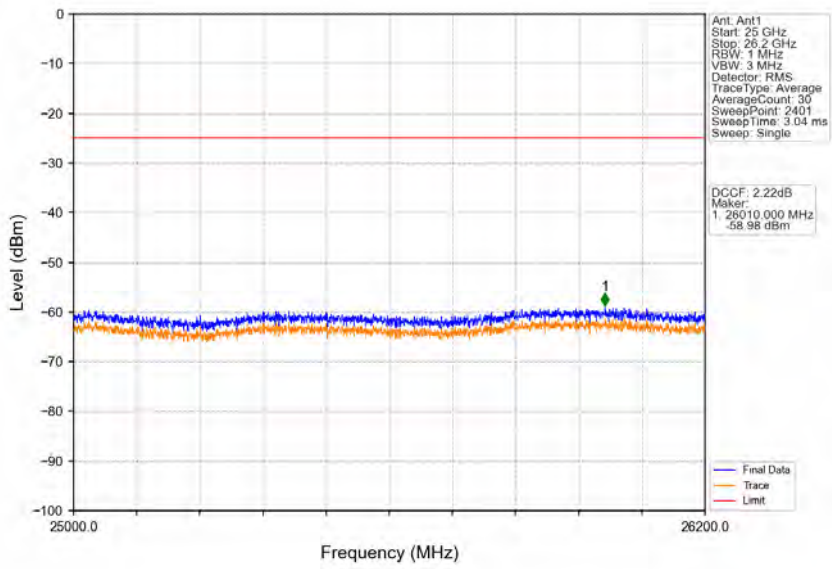
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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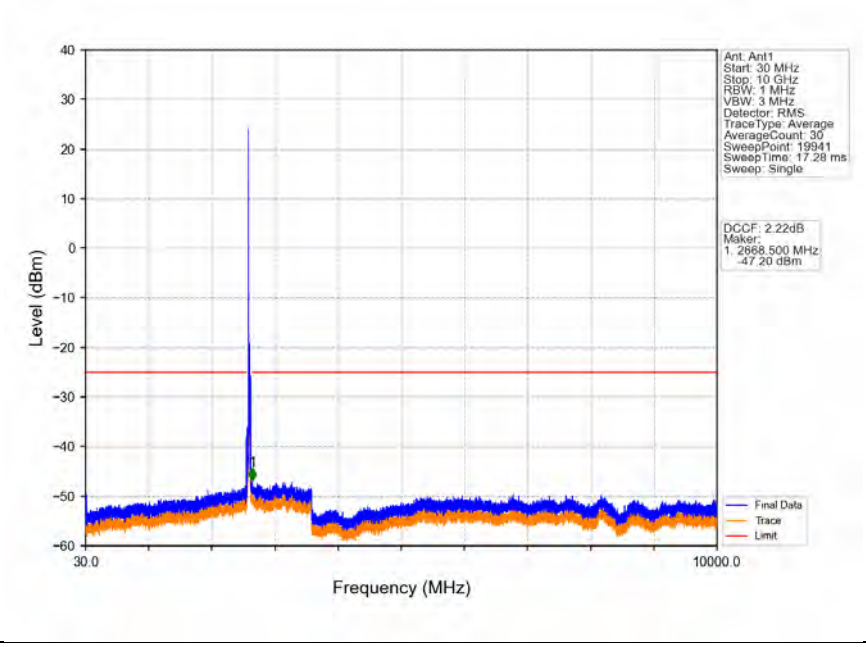
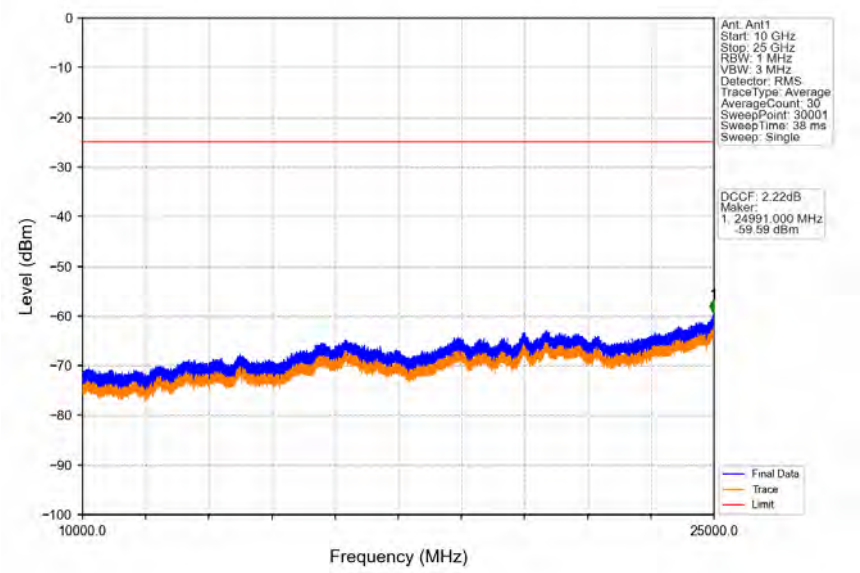
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



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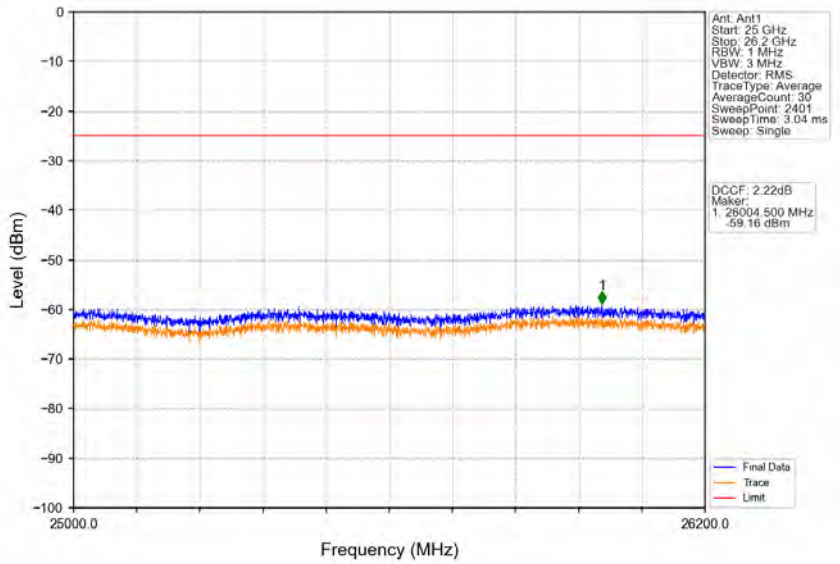
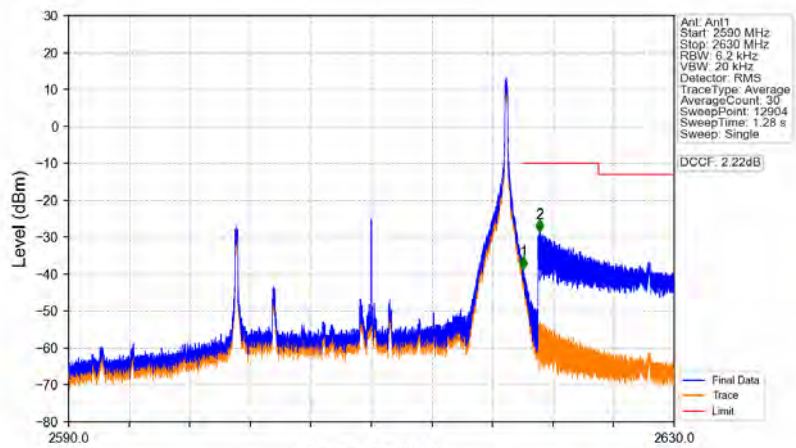
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.033	-38.63	-10	Pass
2621	2630	1	22.08	2	2621.134	-28.65	-10	Pass

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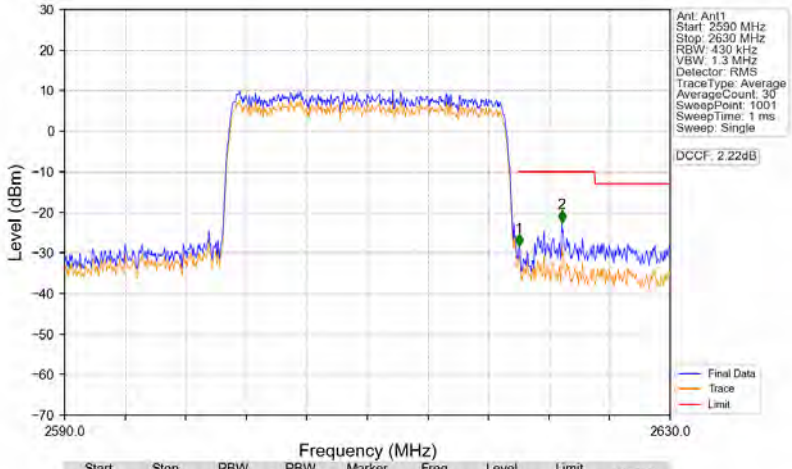
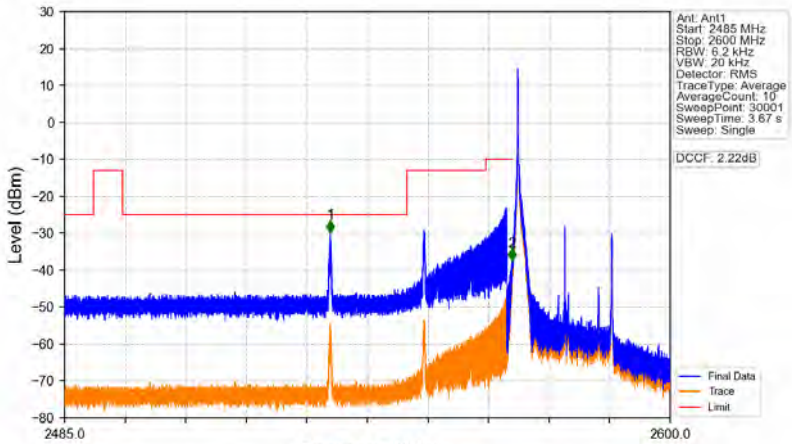
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.43	0	/	/	/	/	/
2620	2621	0.43	0	1	2620.000	-28.35	-10	Pass
2621	2630	1	3.67	2	2622.840	-22.50	-10	Pass

Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2535.474	-29.87	-25	Pass
2569	2570	0.0062	0	2	2569.985	-37.54	-10	Pass
2570	2600	0.0062	0	/	/	/	/	/

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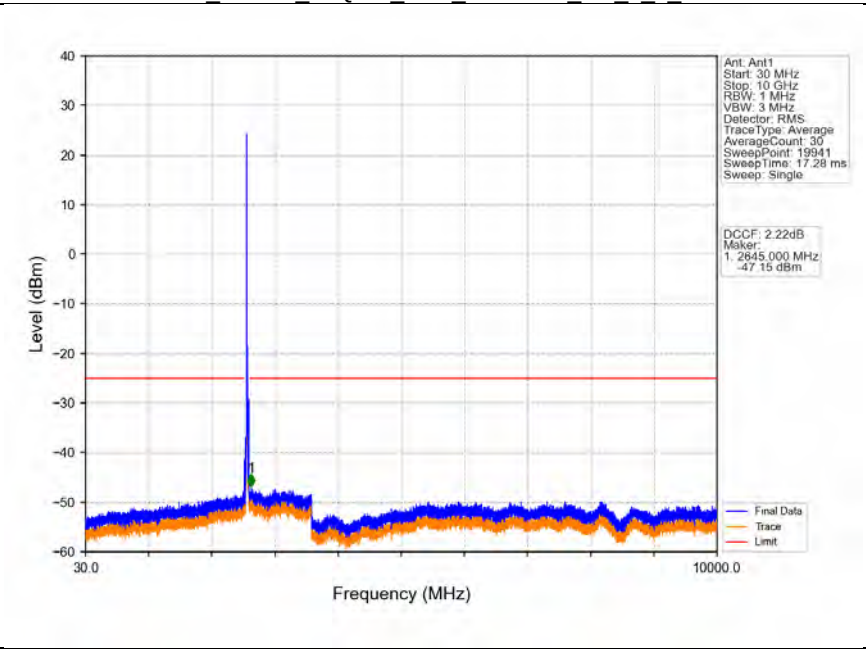
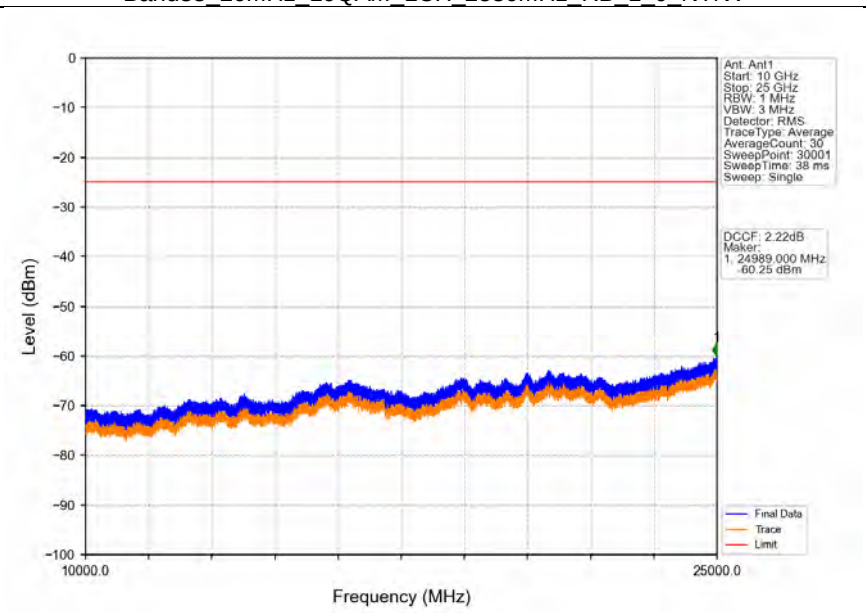
Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



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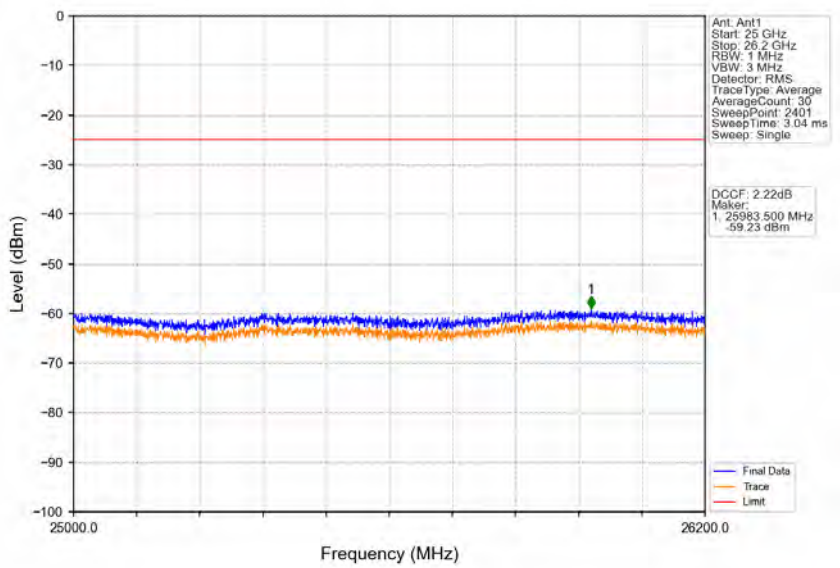
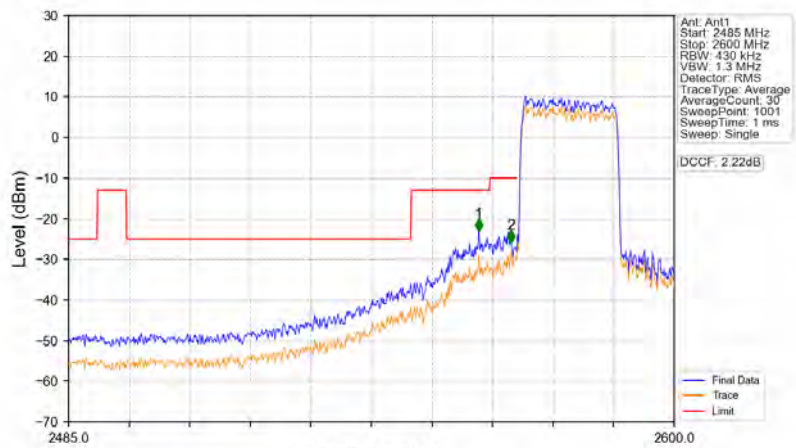
Band38_20MHz_16QAM_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	3.67	1	2562.855	-23.10	-13	Pass
2569	2570	0.43	0	2	2569.065	-25.91	-10	Pass
2570	2600	0.43	0	/	/	/	/	/

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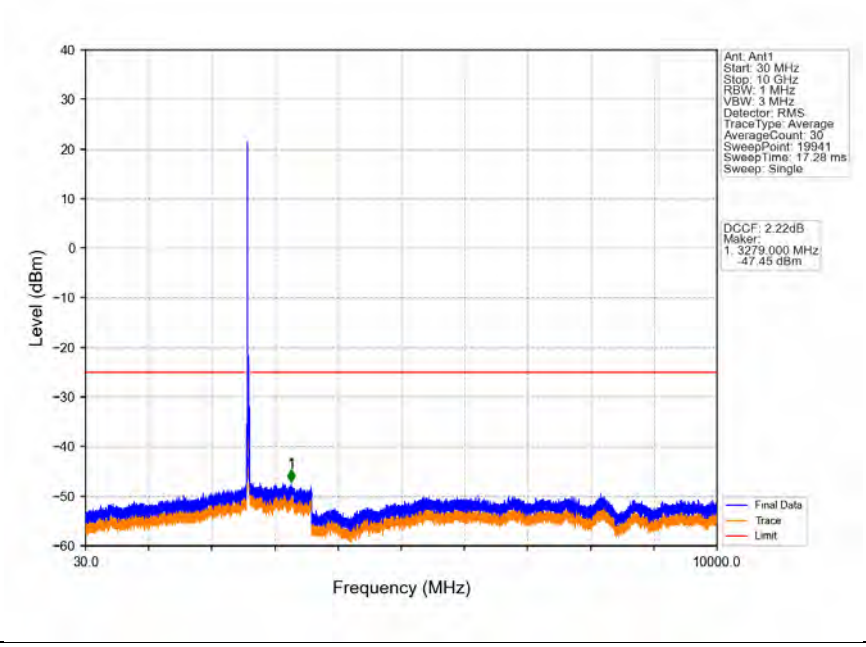

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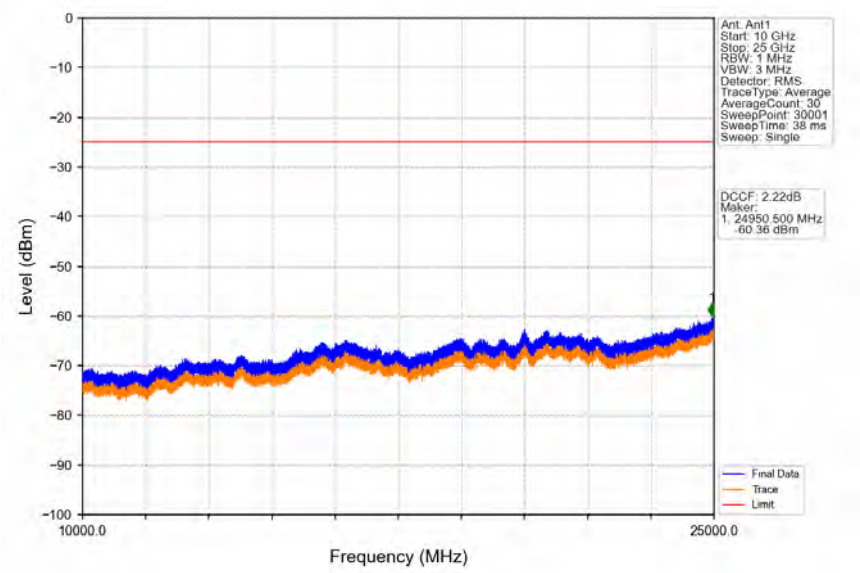

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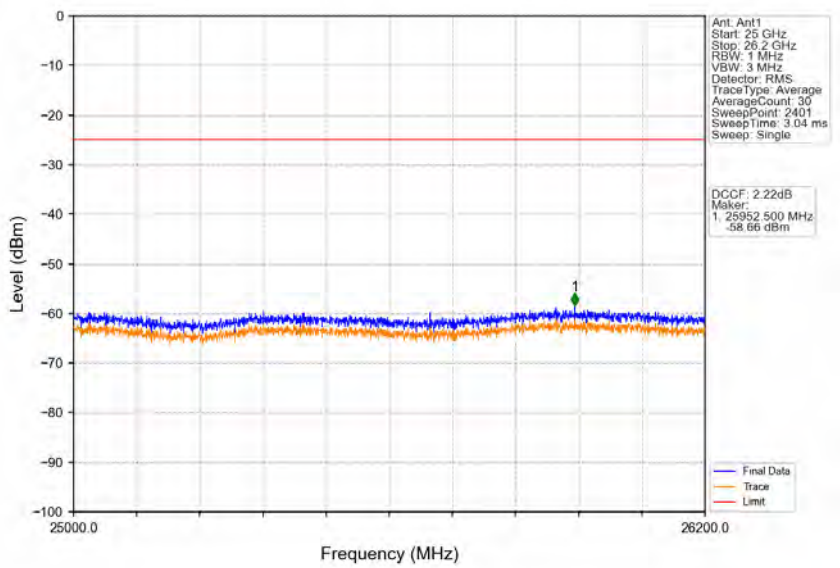
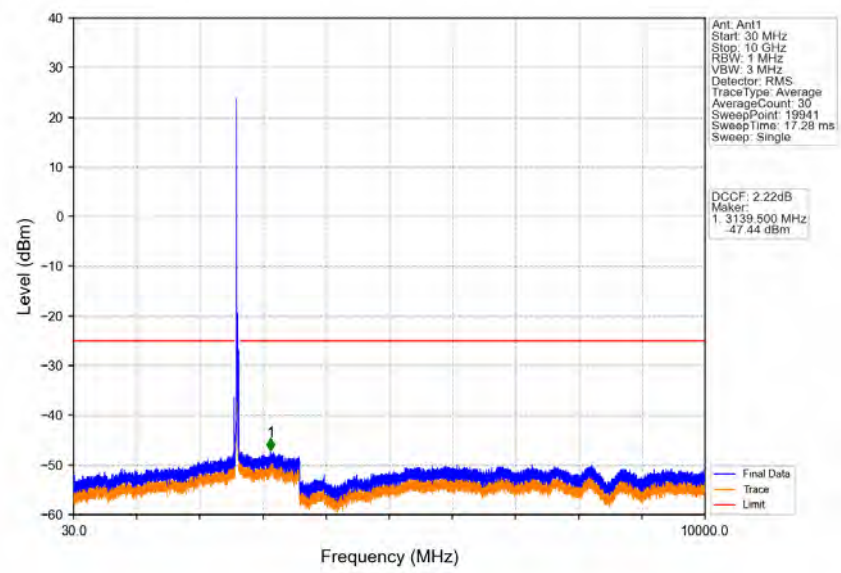


Band38_20MHz_16QAM_HCH_2610MHz_RB_1_0_NTNV



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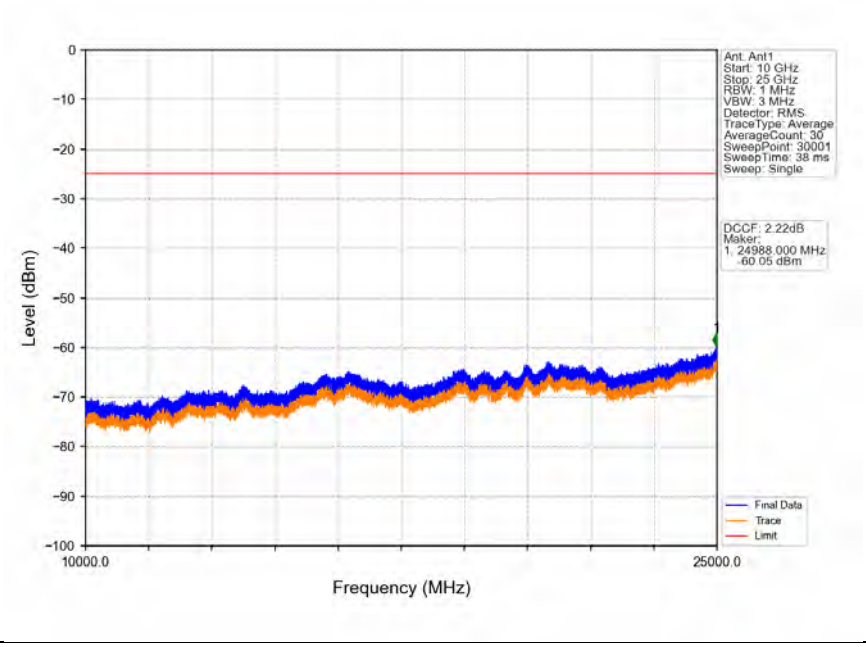

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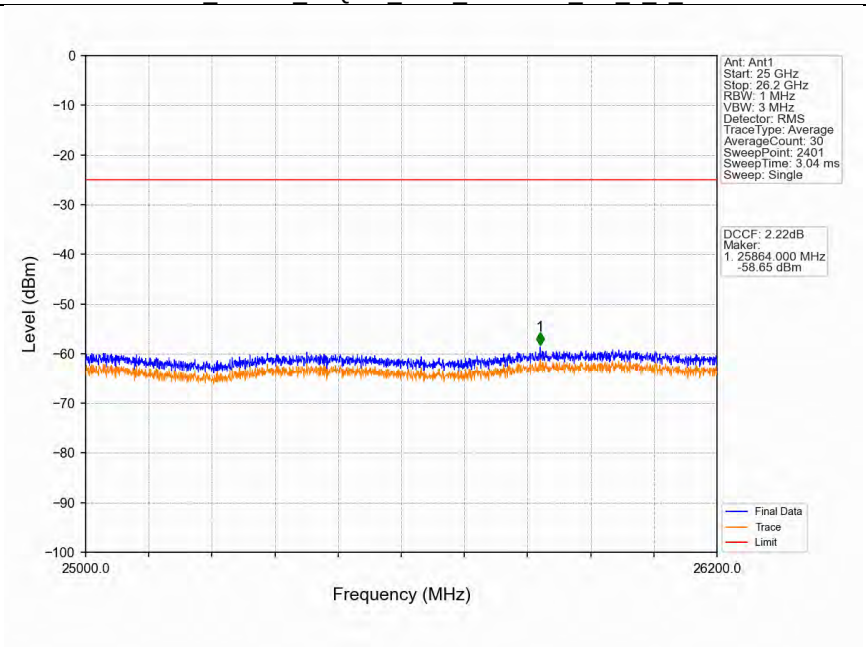

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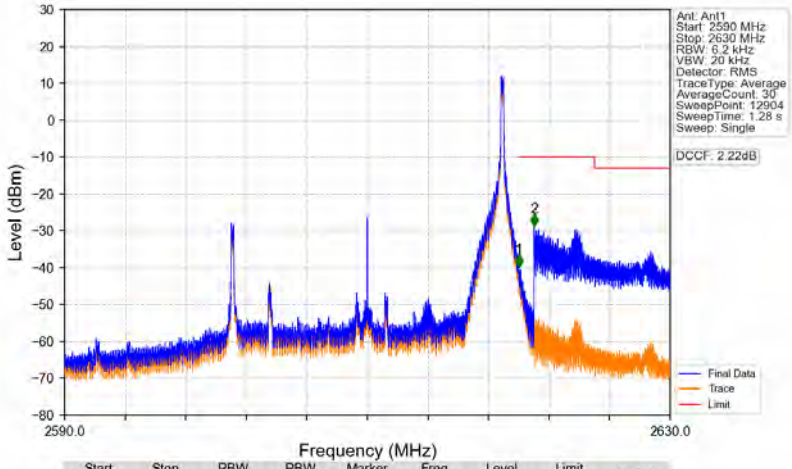
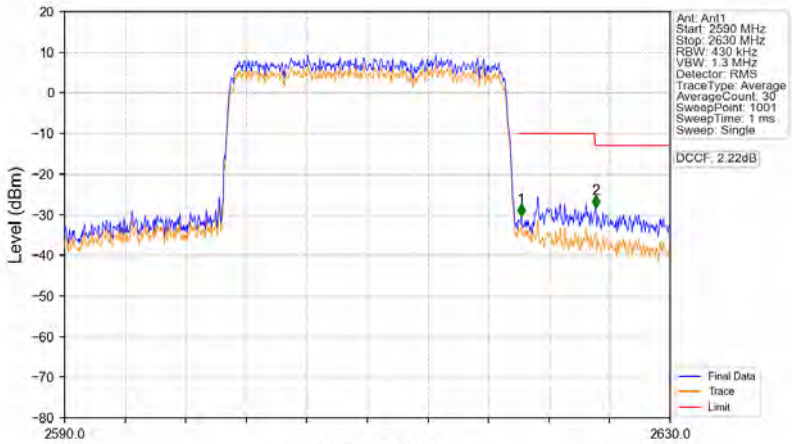


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.005	-39.84	-10	Pass
2621	2630	1	22.08	2	2621.010	-28.84	-10	Pass

Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.43	0	/	/	/	/	/
2620	2621	0.43	0	1	2620.160	-30.39	-10	Pass
2621	2630	1	3.67	2	2625.080	-28.32	-13	Pass

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