



Report No.: SUCR240400009001

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Appendix B.16

LTE Band 38



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1. Effective (Isotropic) Radiated Power Output Data

1.1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	25.53	25.3	33	PASS
Band38	5MHz	16QAM	37775	1RB#0	24.58	24.35	33	PASS
Band38	5MHz	64QAM	37775	1RB#0	23.85	23.62	33	PASS
Band38	5MHz	256QAM	37775	1RB#0	20.68	20.45	33	PASS
Band38	5MHz	QPSK	37775	1RB#12	25.61	25.38	33	PASS
Band38	5MHz	16QAM	37775	1RB#12	24.62	24.39	33	PASS
Band38	5MHz	64QAM	37775	1RB#12	23.98	23.75	33	PASS
Band38	5MHz	256QAM	37775	1RB#12	20.82	20.59	33	PASS
Band38	5MHz	QPSK	37775	1RB#24	25.55	25.32	33	PASS
Band38	5MHz	16QAM	37775	1RB#24	24.74	24.51	33	PASS
Band38	5MHz	64QAM	37775	1RB#24	23.92	23.69	33	PASS
Band38	5MHz	256QAM	37775	1RB#24	20.8	20.57	33	PASS
Band38	5MHz	QPSK	37775	25RB#0	24.59	24.36	33	PASS
Band38	5MHz	16QAM	37775	25RB#0	23.71	23.48	33	PASS
Band38	5MHz	64QAM	37775	25RB#0	22.65	22.42	33	PASS
Band38	5MHz	256QAM	37775	25RB#0	20.68	20.45	33	PASS
Band38	5MHz	QPSK	38000	1RB#0	25.79	25.56	33	PASS
Band38	5MHz	16QAM	38000	1RB#0	24.96	24.73	33	PASS
Band38	5MHz	64QAM	38000	1RB#0	24.3	24.07	33	PASS
Band38	5MHz	256QAM	38000	1RB#0	20.94	20.71	33	PASS
Band38	5MHz	QPSK	38000	1RB#12	25.91	25.68	33	PASS
Band38	5MHz	16QAM	38000	1RB#12	25.08	24.85	33	PASS
Band38	5MHz	64QAM	38000	1RB#12	24.38	24.15	33	PASS
Band38	5MHz	256QAM	38000	1RB#12	21.08	20.85	33	PASS
Band38	5MHz	QPSK	38000	1RB#24	25.76	25.53	33	PASS
Band38	5MHz	16QAM	38000	1RB#24	24.97	24.74	33	PASS
Band38	5MHz	64QAM	38000	1RB#24	24.36	24.13	33	PASS
Band38	5MHz	256QAM	38000	1RB#24	21.05	20.82	33	PASS
Band38	5MHz	QPSK	38000	25RB#0	24.85	24.62	33	PASS



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Band38	5MHz	16QAM	38000	25RB#0	23.88	23.65	33	PASS
Band38	5MHz	64QAM	38000	25RB#0	22.88	22.65	33	PASS
Band38	5MHz	256QAM	38000	25RB#0	20.87	20.64	33	PASS
Band38	5MHz	QPSK	38225	1RB#0	25.4	25.17	33	PASS
Band38	5MHz	16QAM	38225	1RB#0	24.54	24.31	33	PASS
Band38	5MHz	64QAM	38225	1RB#0	23.78	23.55	33	PASS
Band38	5MHz	256QAM	38225	1RB#0	20.5	20.27	33	PASS
Band38	5MHz	QPSK	38225	1RB#12	25.36	25.13	33	PASS
Band38	5MHz	16QAM	38225	1RB#12	24.43	24.2	33	PASS
Band38	5MHz	64QAM	38225	1RB#12	23.79	23.56	33	PASS
Band38	5MHz	256QAM	38225	1RB#12	20.52	20.29	33	PASS
Band38	5MHz	QPSK	38225	1RB#24	25.31	25.08	33	PASS
Band38	5MHz	16QAM	38225	1RB#24	24.45	24.22	33	PASS
Band38	5MHz	64QAM	38225	1RB#24	23.67	23.44	33	PASS
Band38	5MHz	256QAM	38225	1RB#24	20.49	20.26	33	PASS
Band38	5MHz	QPSK	38225	25RB#0	24.43	24.2	33	PASS
Band38	5MHz	16QAM	38225	25RB#0	23.44	23.21	33	PASS
Band38	5MHz	64QAM	38225	25RB#0	22.48	22.25	33	PASS
Band38	5MHz	256QAM	38225	25RB#0	20.43	20.2	33	PASS
Band38	10MHz	QPSK	37800	1RB#0	25.53	25.3	33	PASS
Band38	10MHz	16QAM	37800	1RB#0	24.55	24.32	33	PASS
Band38	10MHz	64QAM	37800	1RB#0	23.97	23.74	33	PASS
Band38	10MHz	256QAM	37800	1RB#0	20.73	20.5	33	PASS
Band38	10MHz	QPSK	37800	1RB#24	25.63	25.4	33	PASS
Band38	10MHz	16QAM	37800	1RB#24	24.63	24.4	33	PASS
Band38	10MHz	64QAM	37800	1RB#24	24.05	23.82	33	PASS
Band38	10MHz	256QAM	37800	1RB#24	20.81	20.58	33	PASS
Band38	10MHz	QPSK	37800	1RB#49	25.59	25.36	33	PASS
Band38	10MHz	16QAM	37800	1RB#49	24.87	24.64	33	PASS
Band38	10MHz	64QAM	37800	1RB#49	23.99	23.76	33	PASS
Band38	10MHz	256QAM	37800	1RB#49	20.81	20.58	33	PASS
Band38	10MHz	QPSK	37800	50RB#0	24.71	24.48	33	PASS
Band38	10MHz	16QAM	37800	50RB#0	23.74	23.51	33	PASS
Band38	10MHz	64QAM	37800	50RB#0	22.72	22.49	33	PASS



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Band38	10MHz	QPSK	38000	1RB#0	25.82	25.59	33	PASS
Band38	10MHz	16QAM	38000	1RB#0	24.94	24.71	33	PASS
Band38	10MHz	64QAM	38000	1RB#0	24.23	24	33	PASS
Band38	10MHz	256QAM	38000	1RB#0	20.97	20.74	33	PASS
Band38	10MHz	QPSK	38000	1RB#24	25.91	25.68	33	PASS
Band38	10MHz	16QAM	38000	1RB#24	24.98	24.75	33	PASS
Band38	10MHz	64QAM	38000	1RB#24	24.31	24.08	33	PASS
Band38	10MHz	256QAM	38000	1RB#24	21.2	20.97	33	PASS
Band38	10MHz	QPSK	38000	1RB#49	25.83	25.6	33	PASS
Band38	10MHz	16QAM	38000	1RB#49	25.04	24.81	33	PASS
Band38	10MHz	64QAM	38000	1RB#49	24.08	23.85	33	PASS
Band38	10MHz	256QAM	38000	1RB#49	20.73	20.5	33	PASS
Band38	10MHz	QPSK	38000	50RB#0	24.88	24.65	33	PASS
Band38	10MHz	16QAM	38000	50RB#0	23.88	23.65	33	PASS
Band38	10MHz	64QAM	38000	50RB#0	22.89	22.66	33	PASS
Band38	10MHz	256QAM	38000	50RB#0	20.87	20.64	33	PASS
Band38	10MHz	QPSK	38200	1RB#0	25.58	25.35	33	PASS
Band38	10MHz	16QAM	38200	1RB#0	24.7	24.47	33	PASS
Band38	10MHz	64QAM	38200	1RB#0	23.9	23.67	33	PASS
Band38	10MHz	256QAM	38200	1RB#0	20.69	20.46	33	PASS
Band38	10MHz	QPSK	38200	1RB#24	25.46	25.23	33	PASS
Band38	10MHz	16QAM	38200	1RB#24	24.55	24.32	33	PASS
Band38	10MHz	64QAM	38200	1RB#24	23.88	23.65	33	PASS
Band38	10MHz	256QAM	38200	1RB#24	20.56	20.33	33	PASS
Band38	10MHz	QPSK	38200	1RB#49	25.23	25	33	PASS
Band38	10MHz	16QAM	38200	1RB#49	24.49	24.26	33	PASS
Band38	10MHz	64QAM	38200	1RB#49	23.6	23.37	33	PASS
Band38	10MHz	256QAM	38200	1RB#49	20.57	20.34	33	PASS
Band38	10MHz	QPSK	38200	50RB#0	24.51	24.28	33	PASS
Band38	10MHz	16QAM	38200	50RB#0	23.4	23.17	33	PASS
Band38	10MHz	64QAM	38200	50RB#0	22.49	22.26	33	PASS
Band38	10MHz	256QAM	38200	50RB#0	20.49	20.26	33	PASS
Band38	15MHz	QPSK	37825	1RB#0	25.37	25.14	33	PASS



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Band38	15MHz	16QAM	37825	1RB#0	24.49	24.26	33	PASS
Band38	15MHz	64QAM	37825	1RB#0	23.69	23.46	33	PASS
Band38	15MHz	256QAM	37825	1RB#0	20.68	20.45	33	PASS
Band38	15MHz	QPSK	37825	1RB#38	25.47	25.24	33	PASS
Band38	15MHz	16QAM	37825	1RB#38	24.59	24.36	33	PASS
Band38	15MHz	64QAM	37825	1RB#38	23.96	23.73	33	PASS
Band38	15MHz	256QAM	37825	1RB#38	20.81	20.58	33	PASS
Band38	15MHz	QPSK	37825	1RB#74	25.69	25.46	33	PASS
Band38	15MHz	16QAM	37825	1RB#74	24.64	24.41	33	PASS
Band38	15MHz	64QAM	37825	1RB#74	23.84	23.61	33	PASS
Band38	15MHz	256QAM	37825	1RB#74	21.89	21.66	33	PASS
Band38	15MHz	QPSK	37825	75RB#0	24.65	24.42	33	PASS
Band38	15MHz	16QAM	37825	75RB#0	23.64	23.41	33	PASS
Band38	15MHz	64QAM	37825	75RB#0	22.64	22.41	33	PASS
Band38	15MHz	256QAM	37825	75RB#0	20.6	20.37	33	PASS
Band38	15MHz	QPSK	38000	1RB#0	25.73	25.5	33	PASS
Band38	15MHz	16QAM	38000	1RB#0	24.79	24.56	33	PASS
Band38	15MHz	64QAM	38000	1RB#0	24.15	23.92	33	PASS
Band38	15MHz	256QAM	38000	1RB#0	20.8	20.57	33	PASS
Band38	15MHz	QPSK	38000	1RB#38	25.78	25.55	33	PASS
Band38	15MHz	16QAM	38000	1RB#38	24.8	24.57	33	PASS
Band38	15MHz	64QAM	38000	1RB#38	24.04	23.81	33	PASS
Band38	15MHz	256QAM	38000	1RB#38	20.72	20.49	33	PASS
Band38	15MHz	QPSK	38000	1RB#74	25.48	25.25	33	PASS
Band38	15MHz	16QAM	38000	1RB#74	24.8	24.57	33	PASS
Band38	15MHz	64QAM	38000	1RB#74	23.9	23.67	33	PASS
Band38	15MHz	256QAM	38000	1RB#74	20.89	20.66	33	PASS
Band38	15MHz	QPSK	38000	75RB#0	24.81	24.58	33	PASS
Band38	15MHz	16QAM	38000	75RB#0	23.79	23.56	33	PASS
Band38	15MHz	64QAM	38000	75RB#0	22.78	22.55	33	PASS
Band38	15MHz	256QAM	38000	75RB#0	20.84	20.61	33	PASS
Band38	15MHz	QPSK	38175	1RB#0	25.49	25.26	33	PASS
Band38	15MHz	16QAM	38175	1RB#0	24.68	24.45	33	PASS
Band38	15MHz	64QAM	38175	1RB#0	23.83	23.6	33	PASS



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Band38	15MHz	256QAM	38175	1RB#0	20.69	20.46	33	PASS
Band38	15MHz	QPSK	38175	1RB#38	25.37	25.14	33	PASS
Band38	15MHz	16QAM	38175	1RB#38	24.44	24.21	33	PASS
Band38	15MHz	64QAM	38175	1RB#38	23.72	23.49	33	PASS
Band38	15MHz	256QAM	38175	1RB#38	20.67	20.44	33	PASS
Band38	15MHz	QPSK	38175	1RB#74	25.01	24.78	33	PASS
Band38	15MHz	16QAM	38175	1RB#74	24.18	23.95	33	PASS
Band38	15MHz	64QAM	38175	1RB#74	23.4	23.17	33	PASS
Band38	15MHz	256QAM	38175	1RB#74	20.49	20.26	33	PASS
Band38	15MHz	QPSK	38175	75RB#0	24.46	24.23	33	PASS
Band38	15MHz	16QAM	38175	75RB#0	23.48	23.25	33	PASS
Band38	15MHz	64QAM	38175	75RB#0	22.55	22.32	33	PASS
Band38	15MHz	256QAM	38175	75RB#0	20.53	20.3	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	25.39	25.16	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	24.51	24.28	33	PASS
Band38	20MHz	64QAM	37850	1RB#0	23.72	23.49	33	PASS
Band38	20MHz	256QAM	37850	1RB#0	20.55	20.32	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	25.65	25.42	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	24.5	24.27	33	PASS
Band38	20MHz	64QAM	37850	1RB#49	23.95	23.72	33	PASS
Band38	20MHz	256QAM	37850	1RB#49	20.7	20.47	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	25.63	25.4	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	24.66	24.43	33	PASS
Band38	20MHz	64QAM	37850	1RB#99	23.96	23.73	33	PASS
Band38	20MHz	256QAM	37850	1RB#99	20.9	20.67	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	24.68	24.45	33	PASS
Band38	20MHz	16QAM	37850	100RB#0	23.71	23.48	33	PASS
Band38	20MHz	64QAM	37850	100RB#0	22.66	22.43	33	PASS
Band38	20MHz	256QAM	37850	100RB#0	20.72	20.49	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	25.83	25.6	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	24.77	24.54	33	PASS
Band38	20MHz	64QAM	38000	1RB#0	23.95	23.72	33	PASS
Band38	20MHz	256QAM	38000	1RB#0	21	20.77	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	25.9	25.67	33	PASS



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Band38	20MHz	16QAM	38000	1RB#49	24.85	24.62	33	PASS
Band38	20MHz	64QAM	38000	1RB#49	24.05	23.82	33	PASS
Band38	20MHz	256QAM	38000	1RB#49	20.89	20.66	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	25.51	25.28	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	24.63	24.4	33	PASS
Band38	20MHz	64QAM	38000	1RB#99	23.91	23.68	33	PASS
Band38	20MHz	256QAM	38000	1RB#99	20.68	20.45	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	24.74	24.51	33	PASS
Band38	20MHz	16QAM	38000	100RB#0	23.77	23.54	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	25.42	25.19	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	24.48	24.25	33	PASS
Band38	20MHz	64QAM	37850	1RB#0	23.8	23.57	33	PASS
Band38	20MHz	256QAM	37850	1RB#0	20.64	20.41	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	25.54	25.31	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	24.74	24.51	33	PASS
Band38	20MHz	64QAM	37850	1RB#49	23.81	23.58	33	PASS
Band38	20MHz	256QAM	37850	1RB#49	20.75	20.52	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	25.67	25.44	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	24.81	24.58	33	PASS
Band38	20MHz	64QAM	37850	1RB#99	24.04	23.81	33	PASS
Band38	20MHz	256QAM	37850	1RB#99	20.82	20.59	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	24.67	24.44	33	PASS
Band38	20MHz	16QAM	37850	100RB#0	23.76	23.53	33	PASS
Band38	20MHz	64QAM	37850	100RB#0	22.77	22.54	33	PASS
Band38	20MHz	256QAM	37850	100RB#0	20.75	20.52	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	25.79	25.56	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	24.85	24.62	33	PASS
Band38	20MHz	64QAM	38000	1RB#0	24.01	23.78	33	PASS
Band38	20MHz	256QAM	38000	1RB#0	20.93	20.7	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	25.71	25.48	33	PASS
Band38	20MHz	16QAM	38000	1RB#49	24.89	24.66	33	PASS
Band38	20MHz	64QAM	38000	1RB#49	24.04	23.81	33	PASS
Band38	20MHz	256QAM	38000	1RB#49	20.81	20.58	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	25.59	25.36	33	PASS



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Band38	20MHz	16QAM	38000	1RB#99	24.5	24.27	33	PASS
Band38	20MHz	64QAM	38000	1RB#99	23.86	23.63	33	PASS
Band38	20MHz	256QAM	38000	1RB#99	20.83	20.6	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	24.78	24.55	33	PASS
Band38	20MHz	16QAM	38000	100RB#0	23.84	23.61	33	PASS
Band38	20MHz	64QAM	38000	100RB#0	22.78	22.55	33	PASS
Band38	20MHz	256QAM	38000	100RB#0	20.83	20.6	33	PASS
Band38	20MHz	QPSK	38150	1RB#0	25.78	25.55	33	PASS
Band38	20MHz	16QAM	38150	1RB#0	24.89	24.66	33	PASS
Band38	20MHz	64QAM	38150	1RB#0	24.03	23.8	33	PASS
Band38	20MHz	256QAM	38150	1RB#0	20.84	20.61	33	PASS
Band38	20MHz	QPSK	38150	1RB#49	25.47	25.24	33	PASS
Band38	20MHz	16QAM	38150	1RB#49	24.7	24.47	33	PASS
Band38	20MHz	64QAM	38150	1RB#49	23.72	23.49	33	PASS
Band38	20MHz	256QAM	38150	1RB#49	20.69	20.46	33	PASS
Band38	20MHz	QPSK	38150	1RB#99	25.13	24.9	33	PASS
Band38	20MHz	16QAM	38150	1RB#99	24.2	23.97	33	PASS
Band38	20MHz	64QAM	38150	1RB#99	23.42	23.19	33	PASS
Band38	20MHz	256QAM	38150	1RB#99	20.5	20.27	33	PASS
Band38	20MHz	QPSK	38150	100RB#0	24.45	24.22	33	PASS
Band38	20MHz	16QAM	38150	100RB#0	23.49	23.26	33	PASS
Band38	20MHz	64QAM	38150	100RB#0	22.55	22.32	33	PASS
Band38	20MHz	256QAM	38150	100RB#0	20.58	20.35	33	PASS



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2. Frequency Stability

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	3.135	0.723	0.0003	/	Pass
					3.7	1.828	0.0007	/	Pass
					4.4	2.207	0.0009	/	Pass
				-30	3.7	1.132	0.0004	/	Pass
					3.7	0.533	0.0002	/	Pass
					3.7	1.661	0.0006	/	Pass
				-10	3.7	-3.651	-0.0014	/	Pass
					3.7	0.917	0.0004	/	Pass
					3.7	-2.496	-0.0010	/	Pass
				40	3.7	0.316	0.0001	/	Pass
					3.7	0.634	0.0002	/	Pass
					3.7	-1.609	-0.0006	/	Pass
	2595	100	0	20	3.7	-3.095	-0.0012	/	Pass
					4.4	2.471	0.0010	/	Pass
					3.7	2.050	0.0008	/	Pass
				-30	3.7	-2.426	-0.0009	/	Pass
					3.7	1.104	0.0004	/	Pass
					3.7	1.234	0.0005	/	Pass
				-10	3.7	1.622	0.0006	/	Pass
					3.7	-1.928	-0.0007	/	Pass
					3.7	-2.672	-0.0010	/	Pass
				40	3.7	1.743	0.0007	/	Pass
					3.7	0.392	0.0002	/	Pass
					3.7	1.300	0.0005	/	Pass
					4.4	1.612	0.0006	/	Pass
	2610	100	0	20	3.7	-1.911	-0.0007	/	Pass
					3.7	2.418	0.0009	/	Pass
					3.7	1.463	0.0006	/	Pass
				-30	3.7	1.160	0.0004	/	Pass
					3.7	1.462	0.0006	/	Pass
					3.7	1.794	0.0007	/	Pass
				-10	3.7	-2.380	-0.0009	/	Pass
					3.7	-2.955	-0.0011	/	Pass
					3.7				



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3. Field Strength of Spurious Radiation

Test Band = LTE_B38

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3744	54.01	-49.52	30.48	-60.29	-25.00	35.29	Horizontal
2	5660	52.41	-46.18	33.34	-55.69	-25.00	30.69	Horizontal
3	8013.5	49.94	-42.85	37.45	-50.72	-25.00	25.72	Horizontal
4	11214	47.61	-38.94	39.69	-46.90	-25.00	21.90	Horizontal
5	14187	46.91	-36.07	40.79	-43.63	-25.00	18.63	Horizontal
6	17995.5	48.97	-38.98	42.77	-42.50	-25.00	17.50	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3631.5	54.32	-49.52	30.33	-60.13	-25.00	35.13	Vertical
2	5123	53.19	-47.34	33.55	-55.86	-25.00	30.86	Vertical
3	7024	51.63	-44.14	36.40	-51.37	-25.00	26.37	Vertical
4	11820	47.77	-38.15	39.82	-45.82	-25.00	20.82	Vertical
5	15024	48.26	-35.09	39.88	-42.21	-25.00	17.21	Vertical
6	17993.5	48.72	-38.98	42.76	-42.76	-25.00	17.76	Vertical



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Test Band = LTE_B38
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3617.5	53.82	-49.53	30.27	-60.70	-25.00	35.70	Horizontal
2	4599.5	52.63	-47.66	32.10	-58.19	-25.00	33.19	Horizontal
3	6269.5	51.49	-45.14	34.52	-54.39	-25.00	29.39	Horizontal
4	8566.5	49.82	-41.69	38.80	-48.33	-25.00	23.33	Horizontal
5	9508.5	49.41	-40.69	39.18	-47.36	-25.00	22.36	Horizontal
6	13444.5	47.07	-36.38	40.21	-44.36	-25.00	19.36	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3615.5	53.85	-49.53	30.26	-60.68	-25.00	35.68	Vertical
2	5177	53.15	-46.76	32.90	-55.97	-25.00	30.97	Vertical
3	7368	50.32	-43.56	36.86	-51.64	-25.00	26.64	Vertical
4	9517.5	49.61	-40.80	39.17	-47.28	-25.00	22.28	Vertical
5	12543	47.07	-37.16	39.46	-45.89	-25.00	20.89	Vertical
6	15025	47.66	-35.10	39.88	-42.82	-25.00	17.82	Vertical



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Test Band = LTE_B38
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3299	53.65	-50.54	30.70	-61.45	-25.00	36.45	Horizontal
2	4787.5	52.97	-47.78	32.35	-57.72	-25.00	32.72	Horizontal
3	6967.5	51.19	-44.18	36.44	-51.81	-25.00	26.81	Horizontal
4	8551.5	49.09	-41.39	39.07	-48.49	-25.00	23.49	Horizontal
5	11393.5	48.15	-38.55	39.69	-45.97	-25.00	20.97	Horizontal
6	15006.5	46.91	-34.86	39.89	-43.32	-25.00	18.32	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3712.5	54.38	-49.88	30.35	-60.41	-25.00	35.41	Vertical
2	5263	51.95	-46.85	33.35	-56.81	-25.00	31.81	Vertical
3	7366	50.50	-43.54	36.87	-51.43	-25.00	26.43	Vertical
4	8537.5	49.60	-41.61	38.80	-48.47	-25.00	23.47	Vertical
5	11993	47.75	-38.06	39.41	-46.16	-25.00	21.16	Vertical
6	15023	47.45	-35.07	39.88	-43.00	-25.00	18.00	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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4. 99% & 26dB Bandwidth

4.1 Band38_OBW

4.1.1 Test Result

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	4.564	/	Pass
		2595	25	0	4.580	/	Pass
		2617.5	25	0	4.570	/	Pass
	16QAM	2572.5	25	0	4.586	/	Pass
		2595	25	0	4.560	/	Pass
		2617.5	25	0	4.554	/	Pass
	64QAM	2572.5	25	0	4.565	/	Pass
		2595	25	0	4.573	/	Pass
		2617.5	25	0	4.572	/	Pass
	256QAM	2572.5	25	0	4.556	/	Pass
		2595	25	0	4.563	/	Pass
		2617.5	25	0	4.577	/	Pass
10	QPSK	2575	50	0	9.092	/	Pass
		2595	50	0	9.099	/	Pass
		2615	50	0	9.074	/	Pass
	16QAM	2575	50	0	9.079	/	Pass
		2595	50	0	9.084	/	Pass
		2615	50	0	9.093	/	Pass
	64QAM	2575	50	0	9.060	/	Pass
		2595	50	0	9.077	/	Pass
		2615	50	0	9.054	/	Pass
	256QAM	2575	50	0	9.065	/	Pass
		2595	50	0	9.065	/	Pass
		2615	50	0	9.097	/	Pass
15	QPSK	2577.5	75	0	13.630	/	Pass
		2595	75	0	13.641	/	Pass
		2612.5	75	0	13.608	/	Pass
	16QAM	2577.5	75	0	13.634	/	Pass
		2595	75	0	13.616	/	Pass
		2612.5	75	0	13.619	/	Pass
	64QAM	2577.5	75	0	13.604	/	Pass
		2595	75	0	13.594	/	Pass
		2612.5	75	0	13.592	/	Pass
	256QAM	2577.5	75	0	13.629	/	Pass
		2595	75	0	13.604	/	Pass
		2612.5	75	0	13.624	/	Pass
20	QPSK	2580	100	0	18.197	/	Pass
		2595	100	0	18.135	/	Pass
		2610	100	0	18.142	/	Pass



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	16QAM	2580	100	0	18.131	/	Pass
		2595	100	0	18.102	/	Pass
		2610	100	0	18.161	/	Pass
	64QAM	2580	100	0	18.115	/	Pass
		2595	100	0	18.103	/	Pass
		2610	100	0	18.113	/	Pass
	256QAM	2580	100	0	18.159	/	Pass
		2595	100	0	18.145	/	Pass
		2610	100	0	18.130	/	Pass



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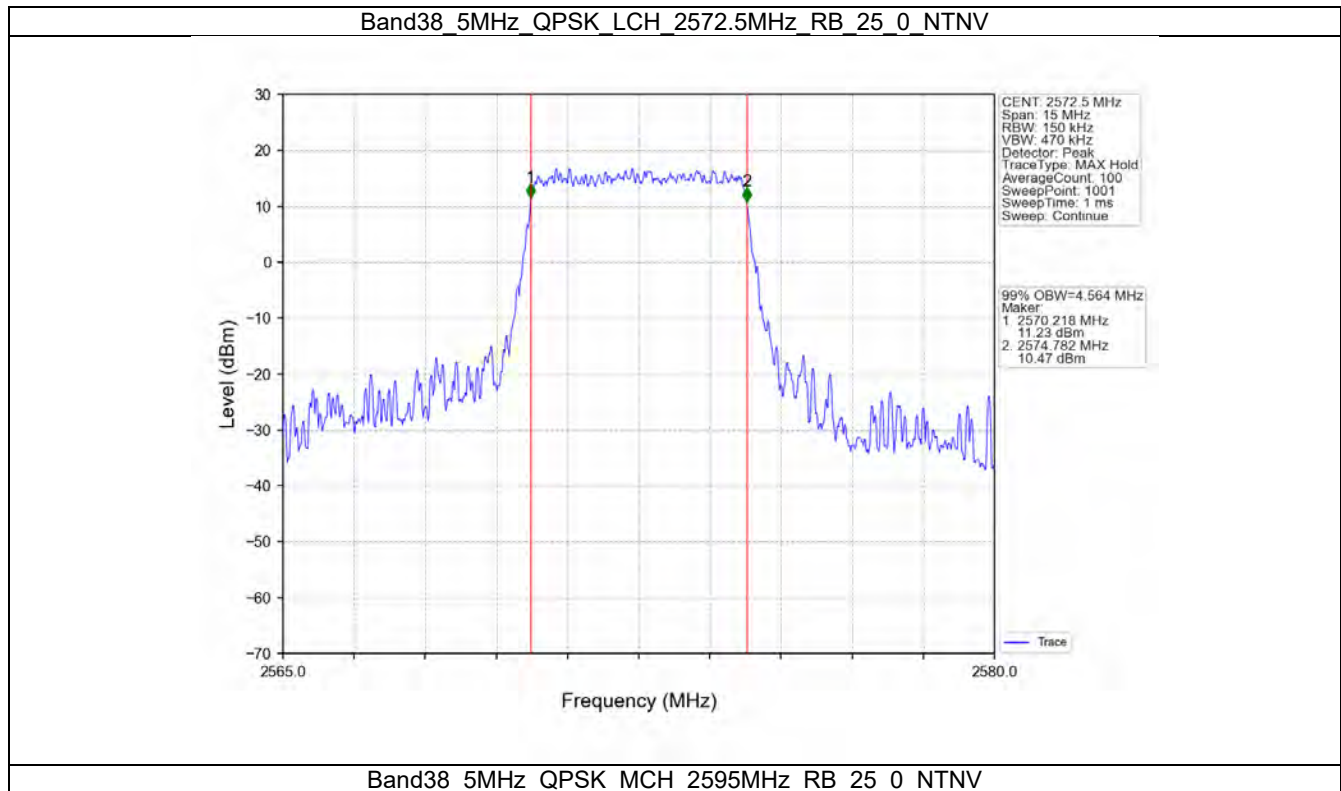
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4.1.2 Test Graph



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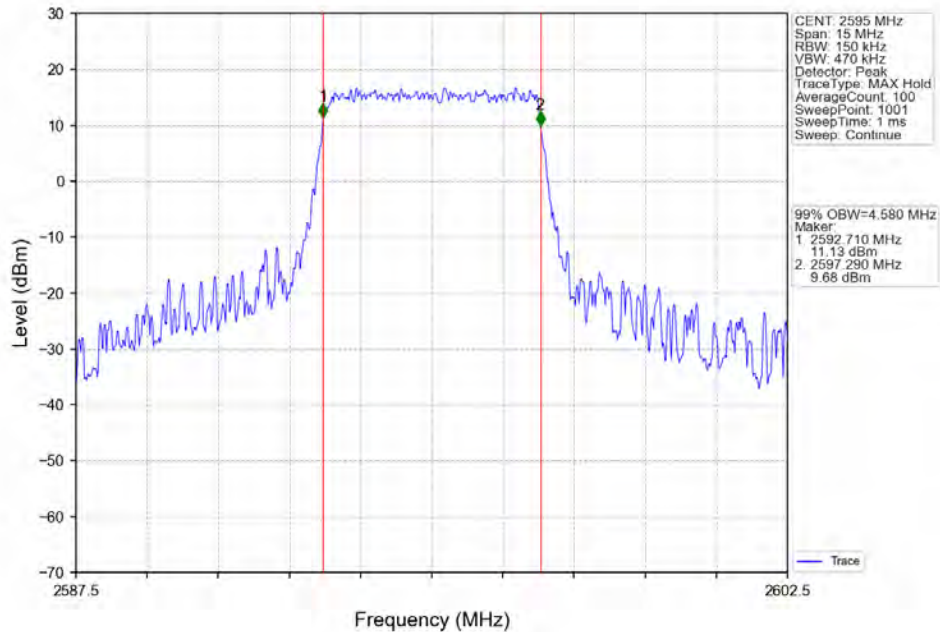
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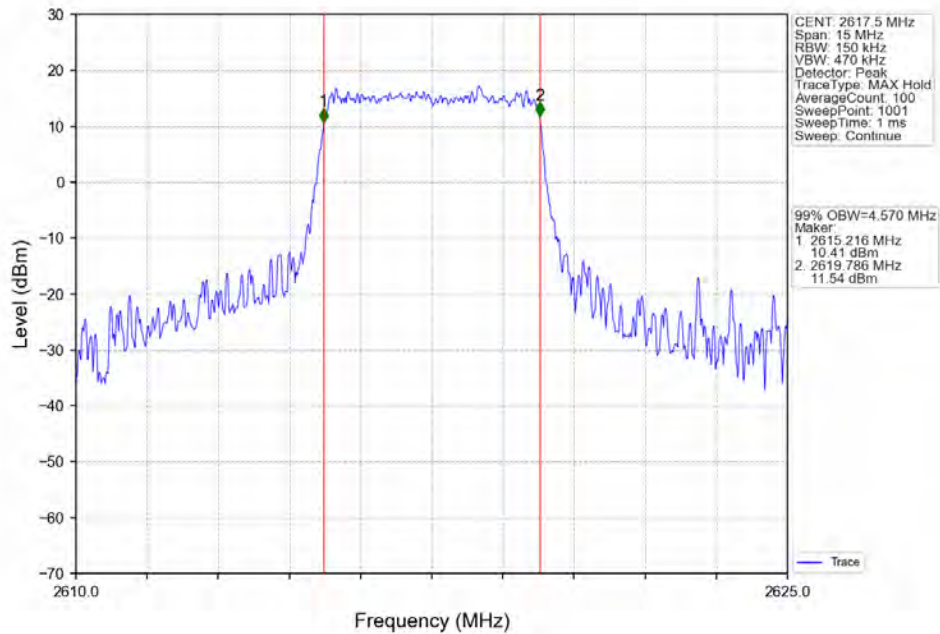
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Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



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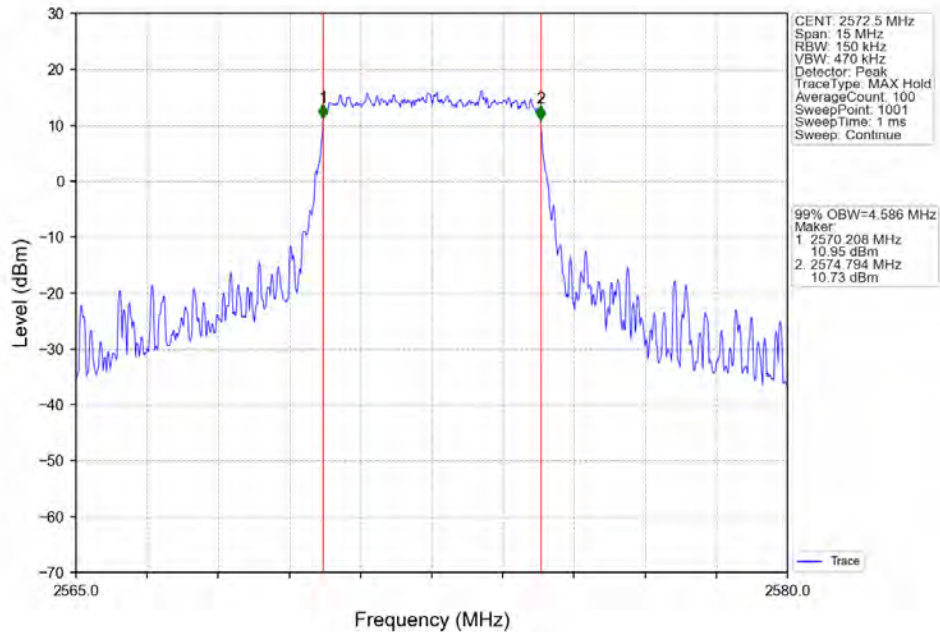
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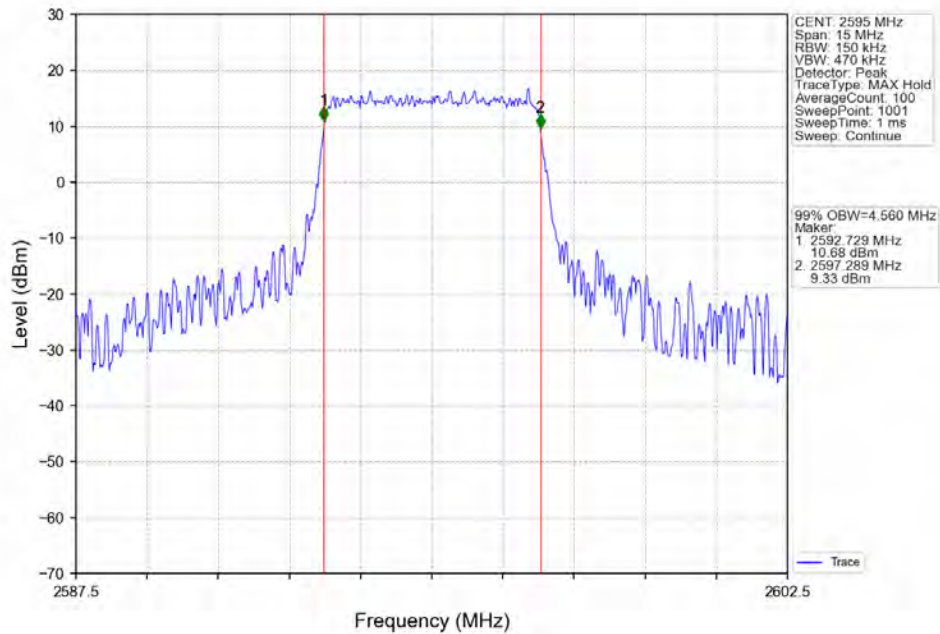
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Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



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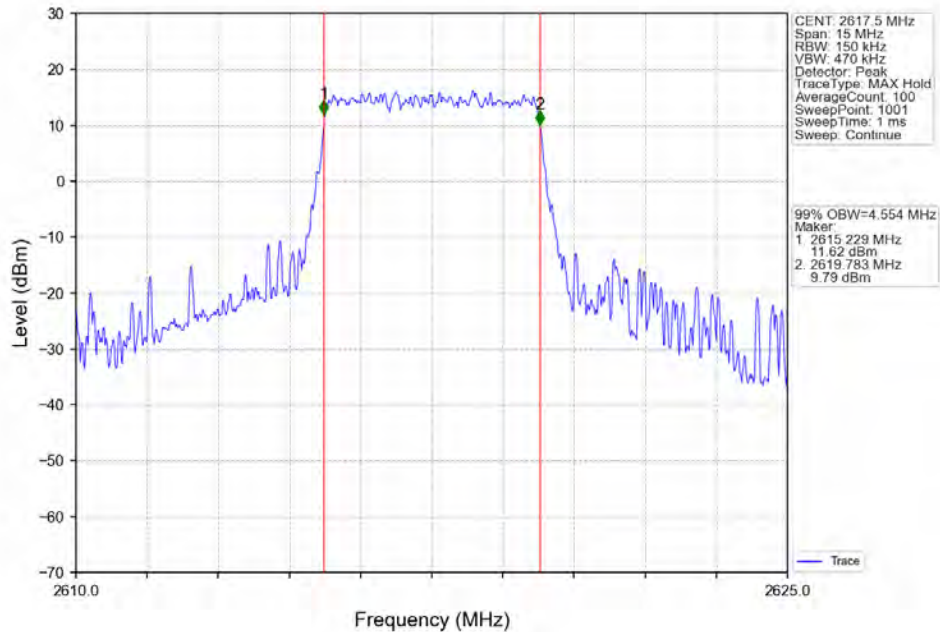
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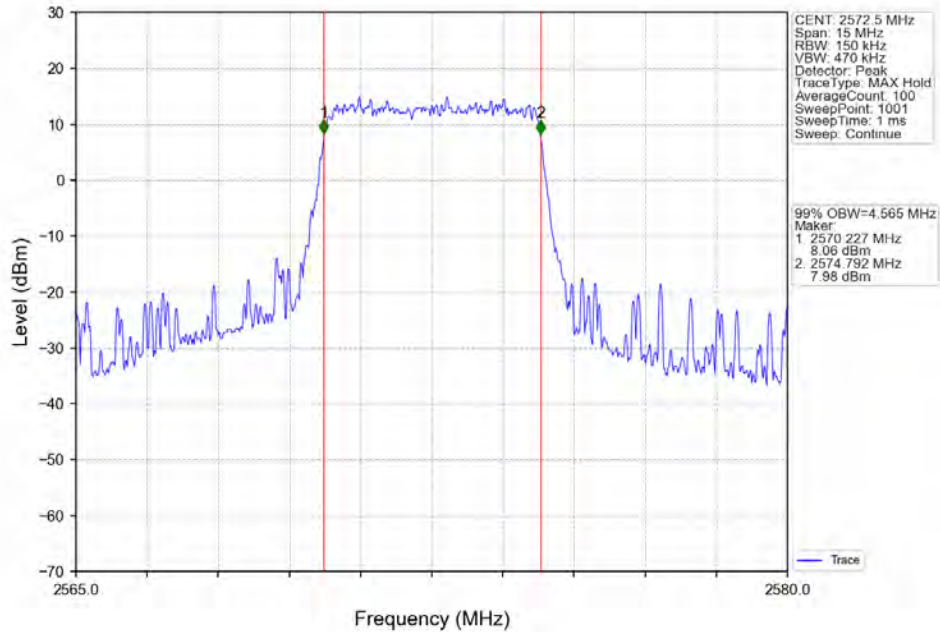
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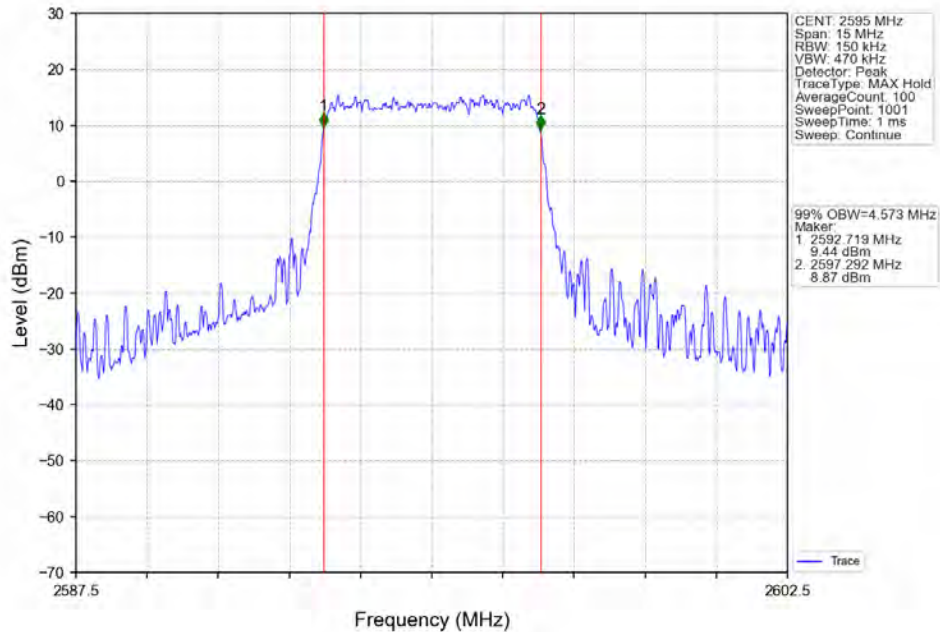
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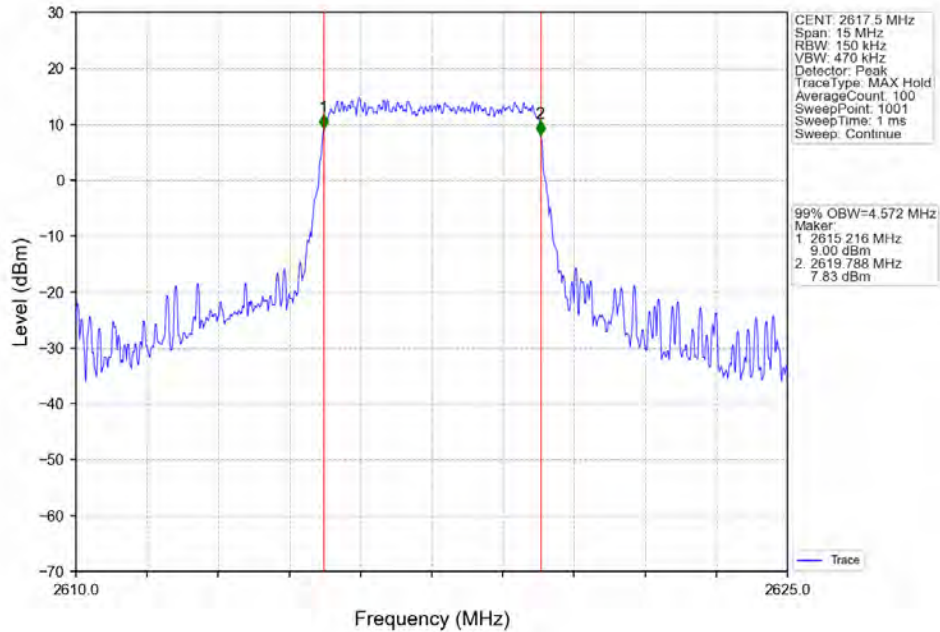
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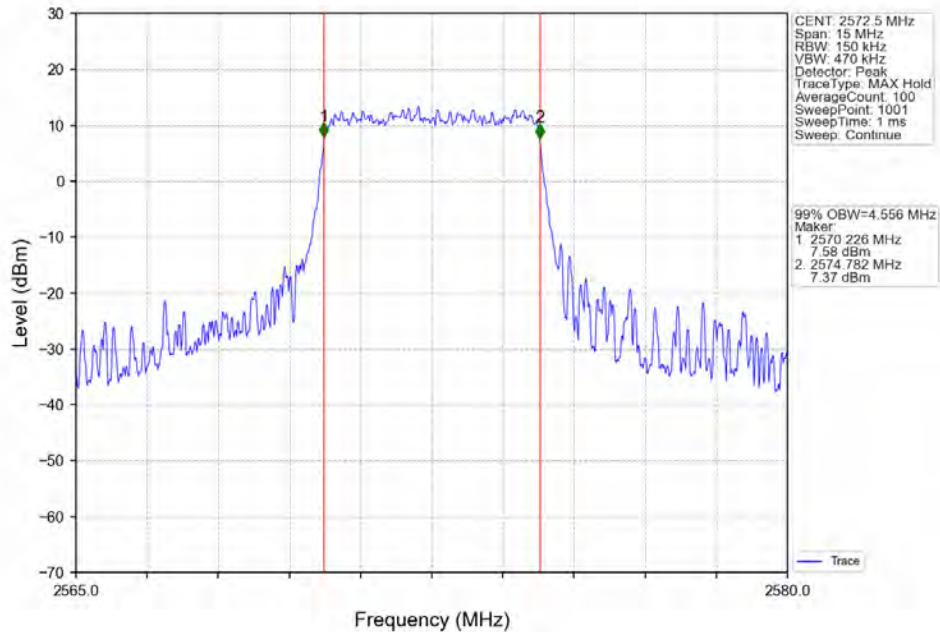
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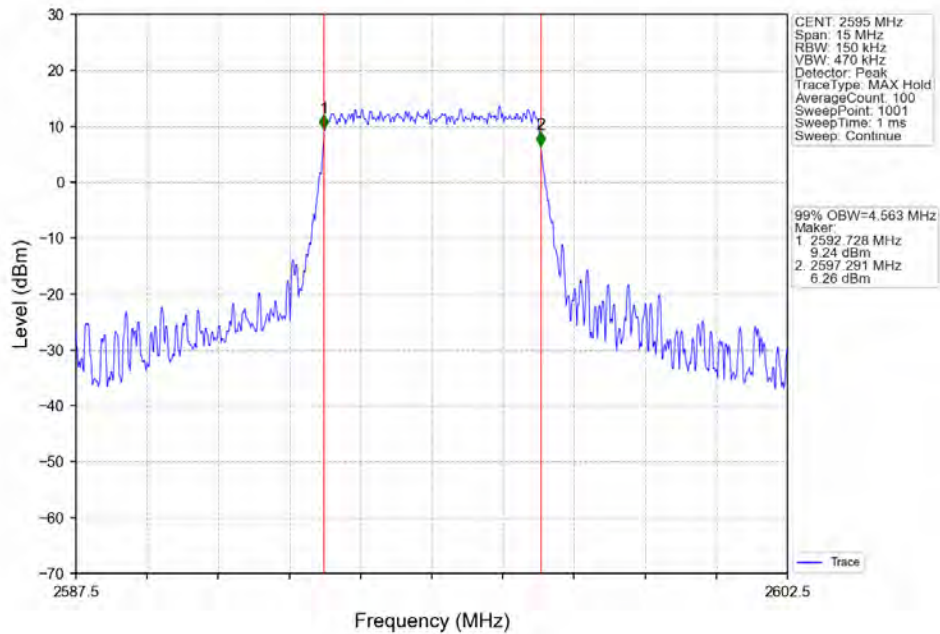
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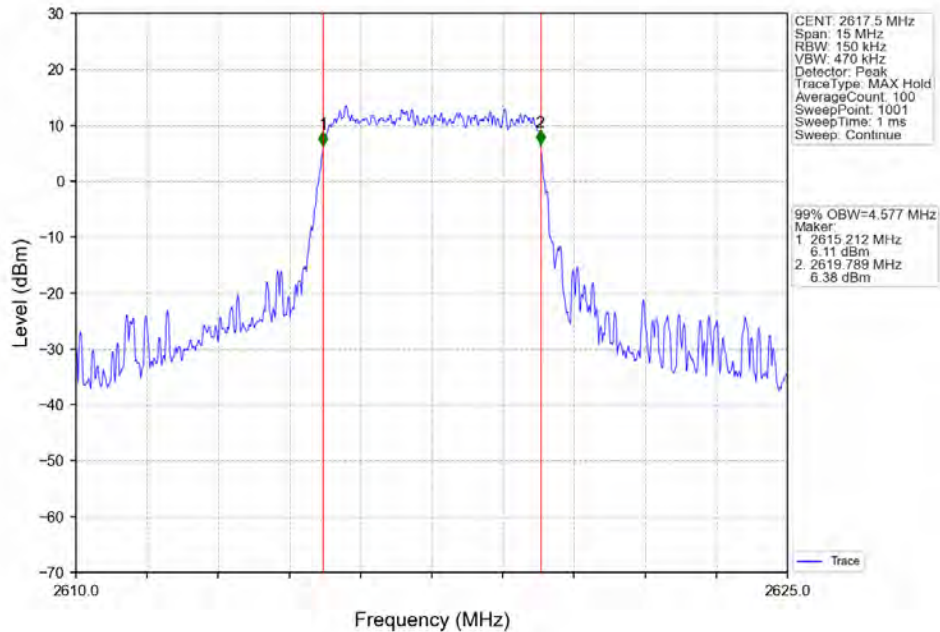
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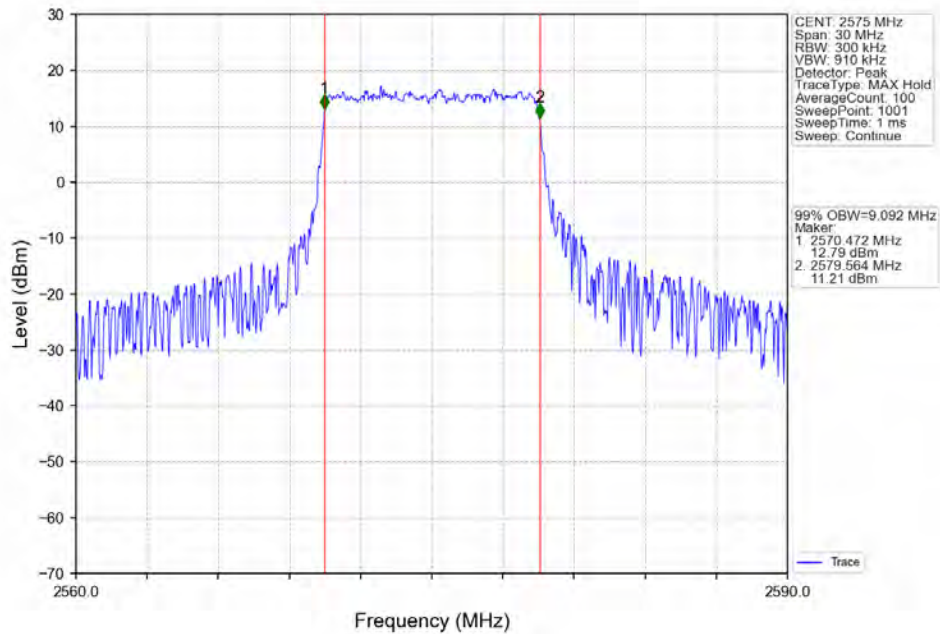
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Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



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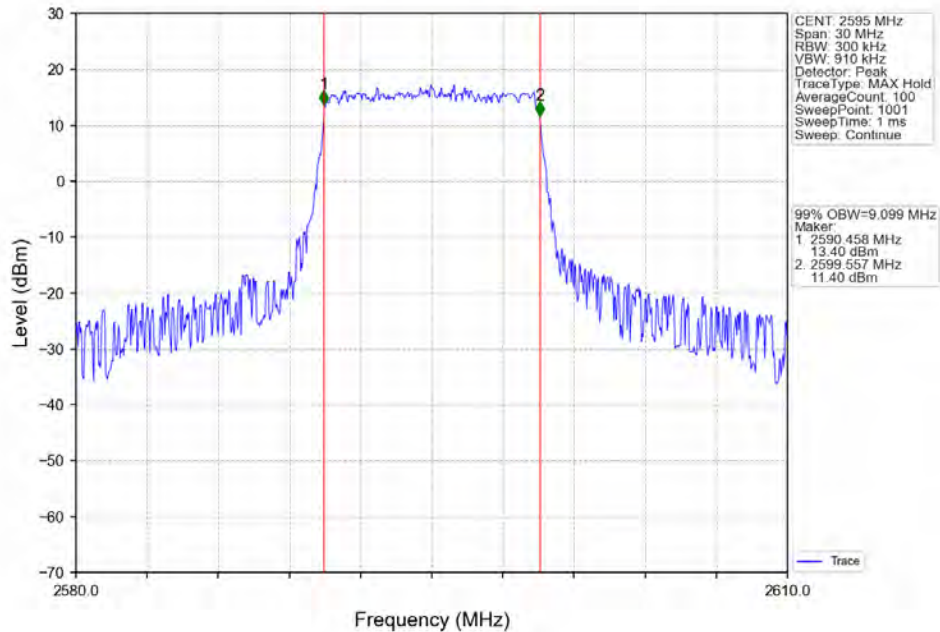
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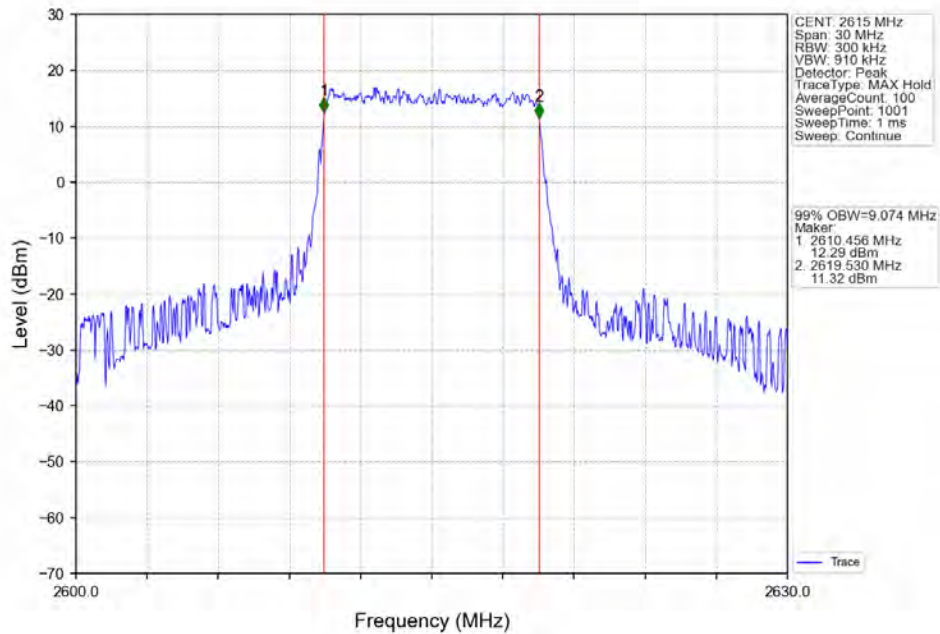
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Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



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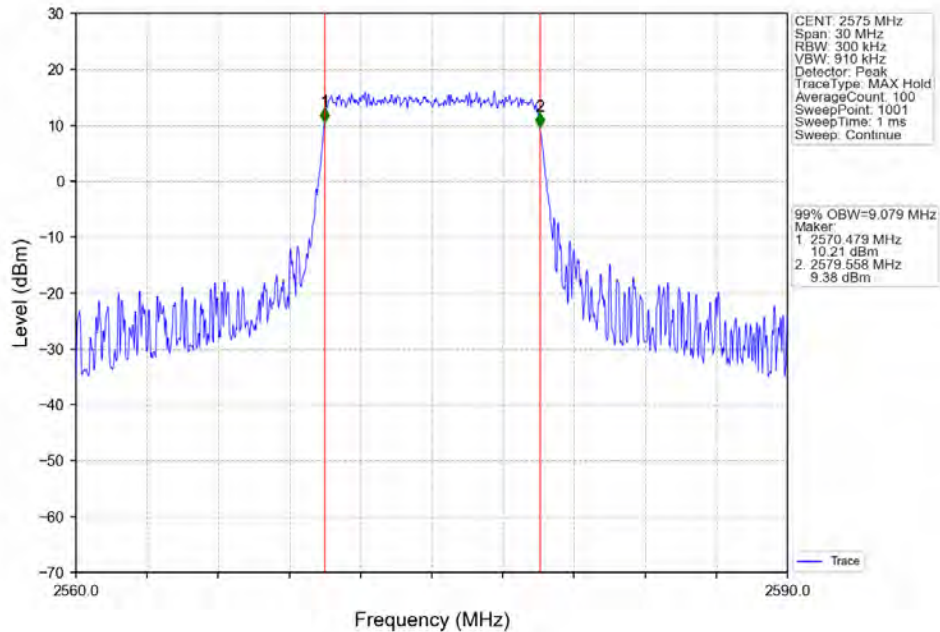
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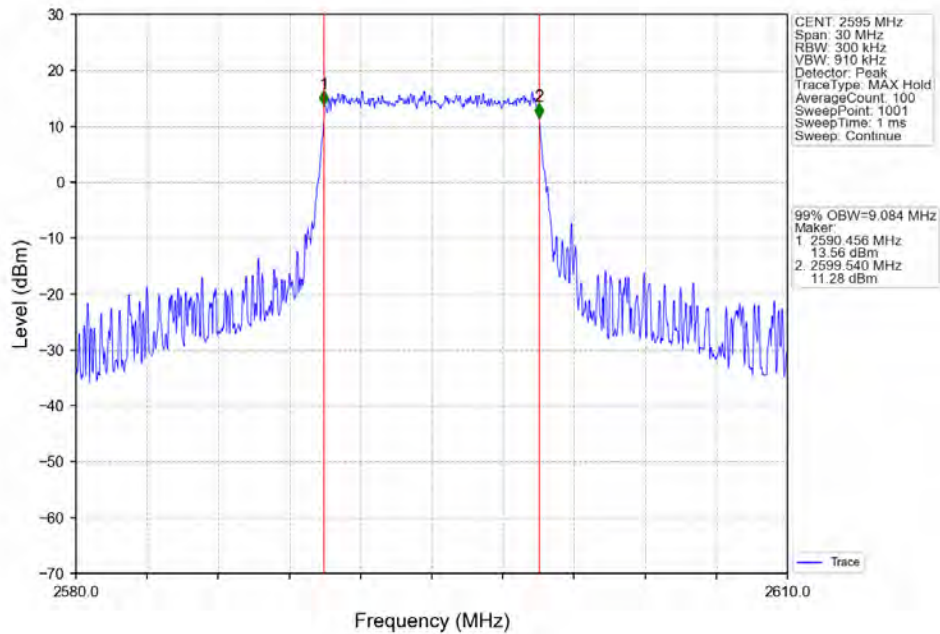
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Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



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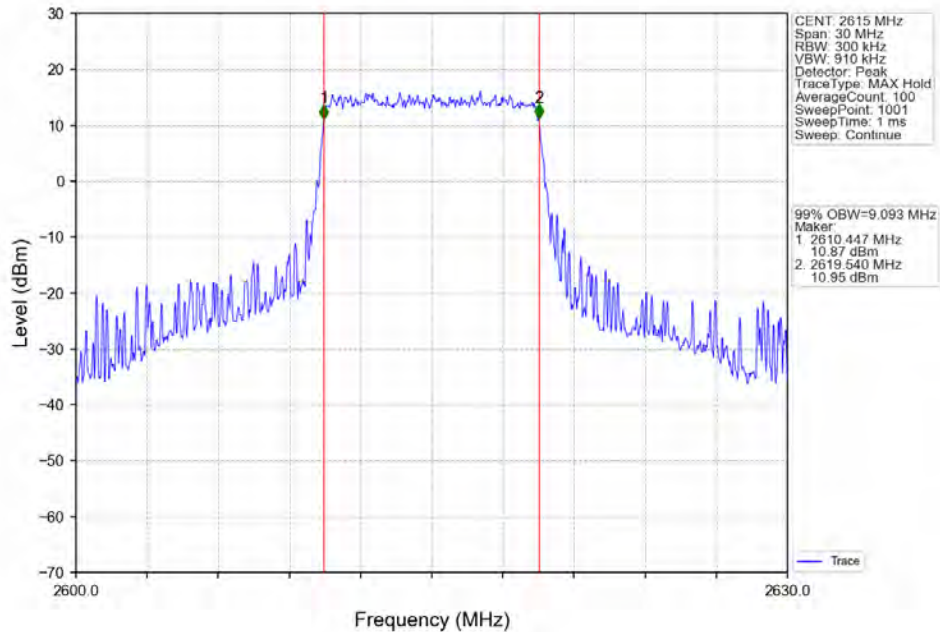
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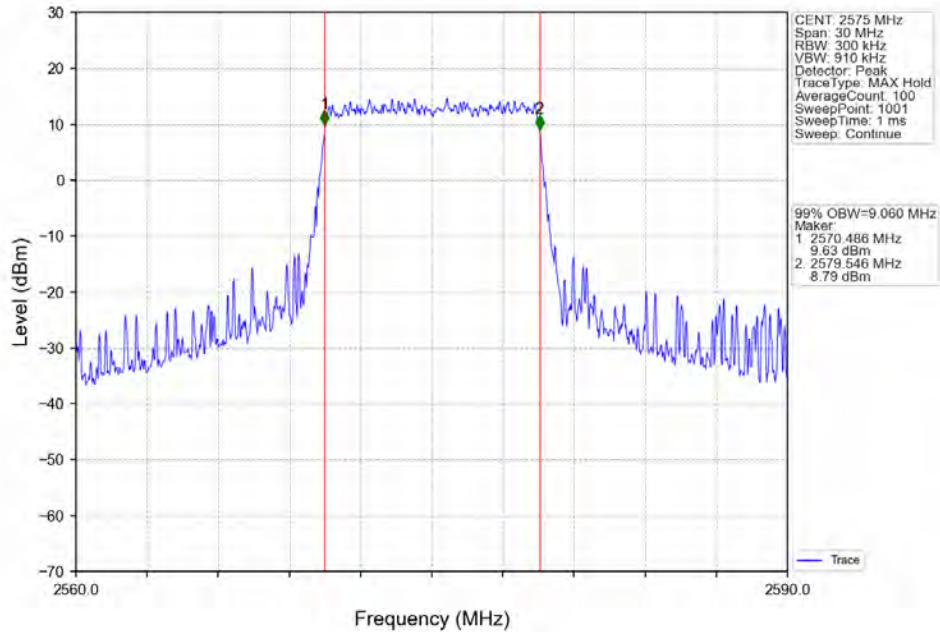
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Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



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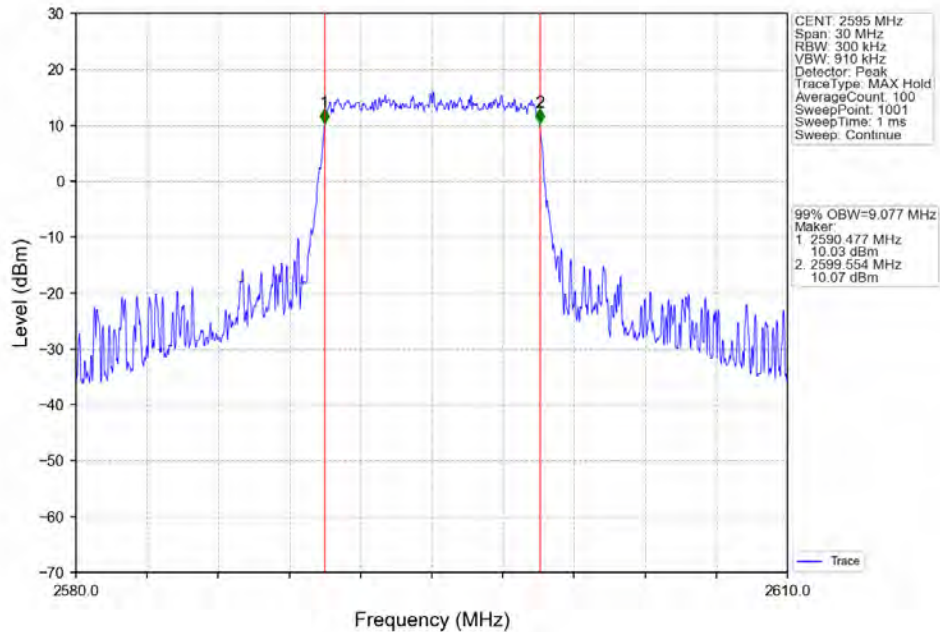
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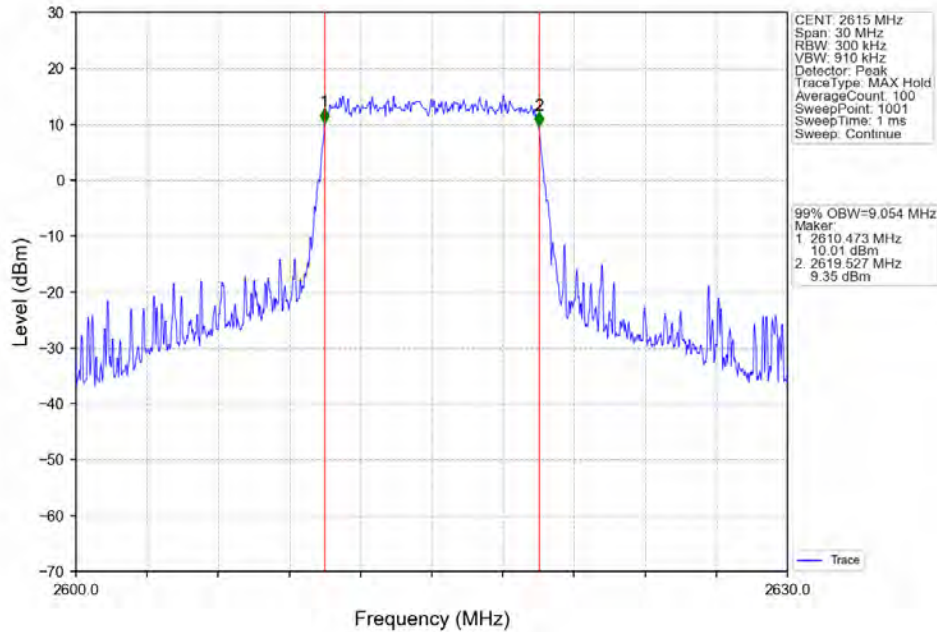
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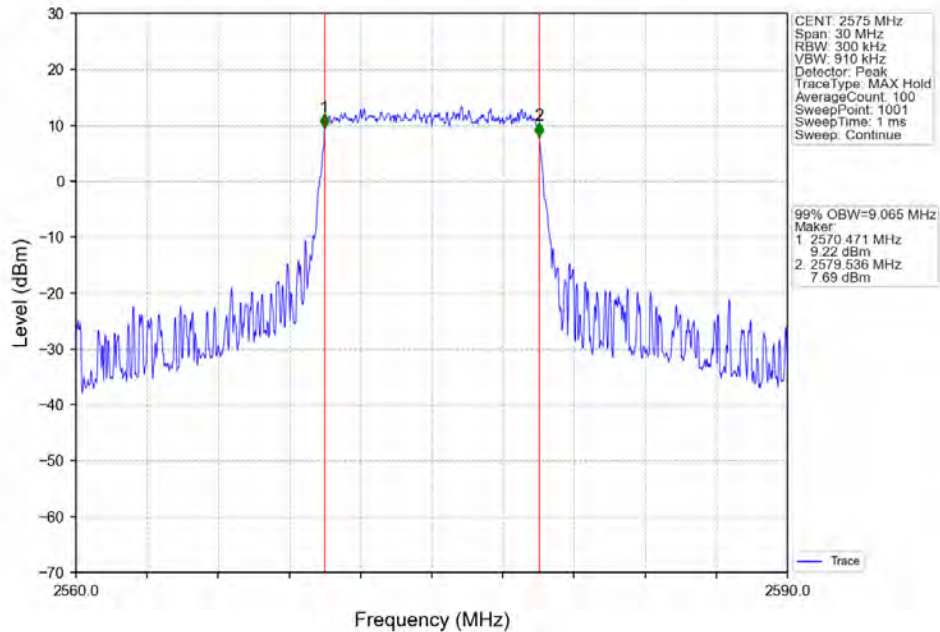
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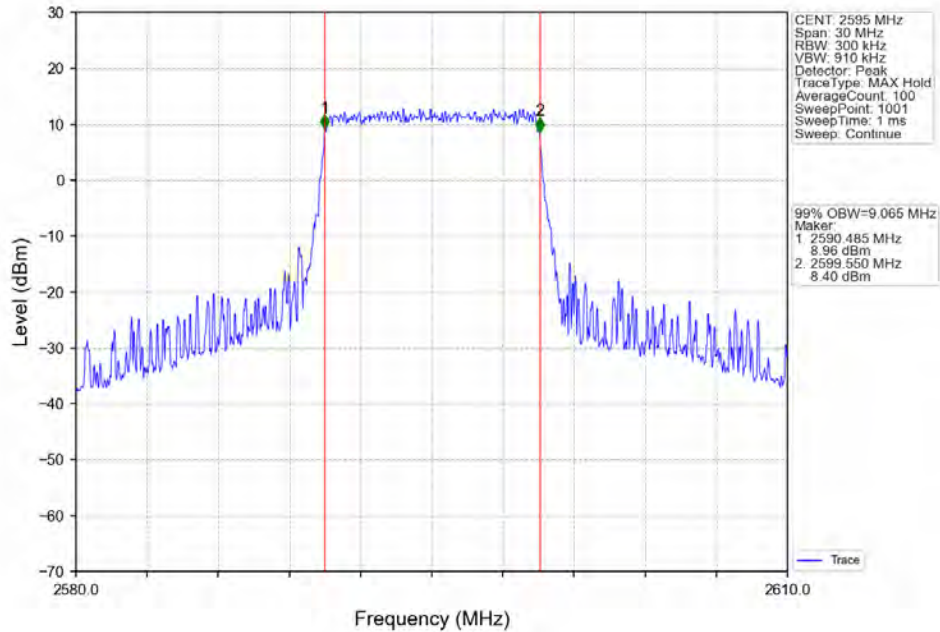
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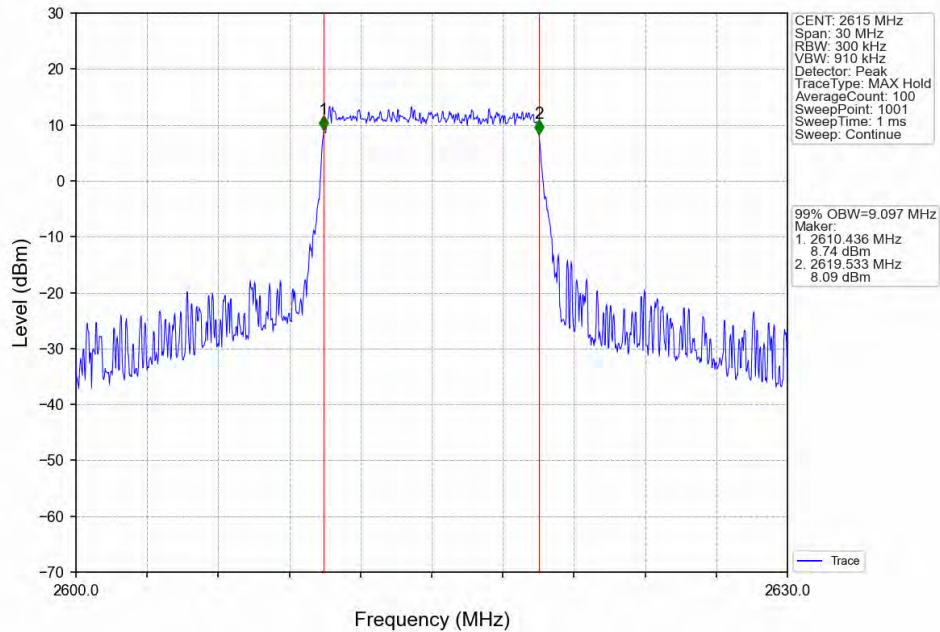
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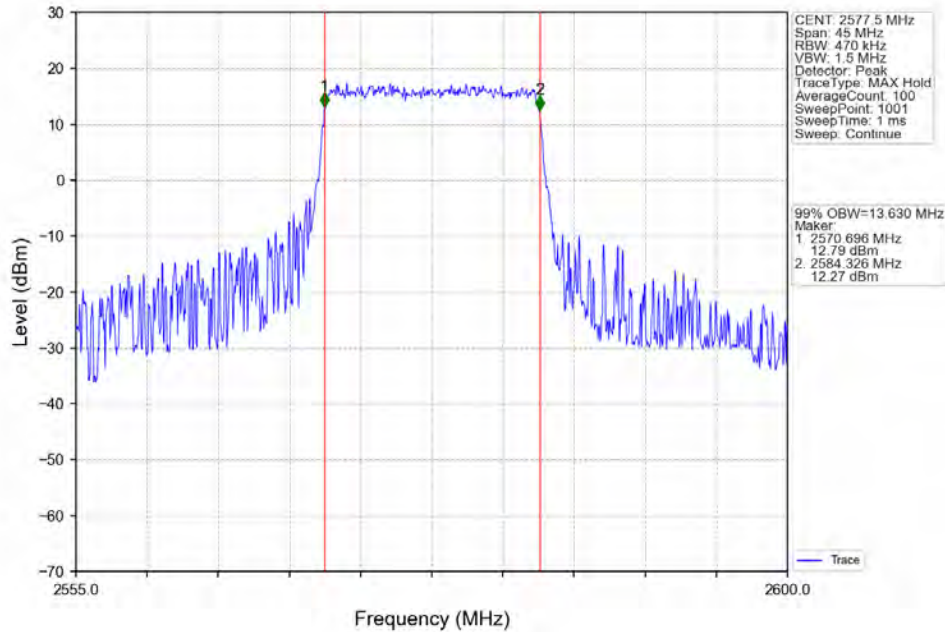
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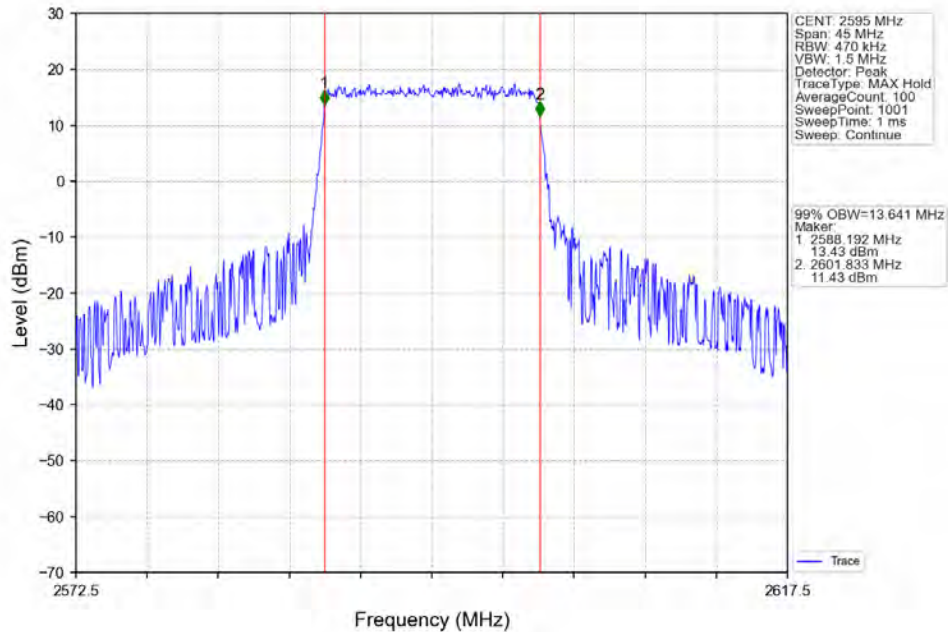
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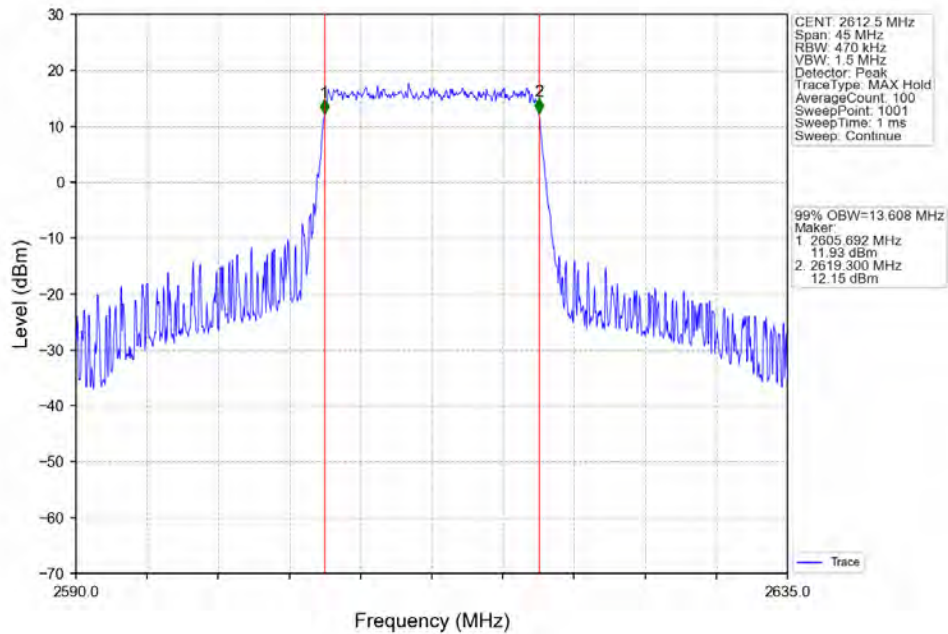
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Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



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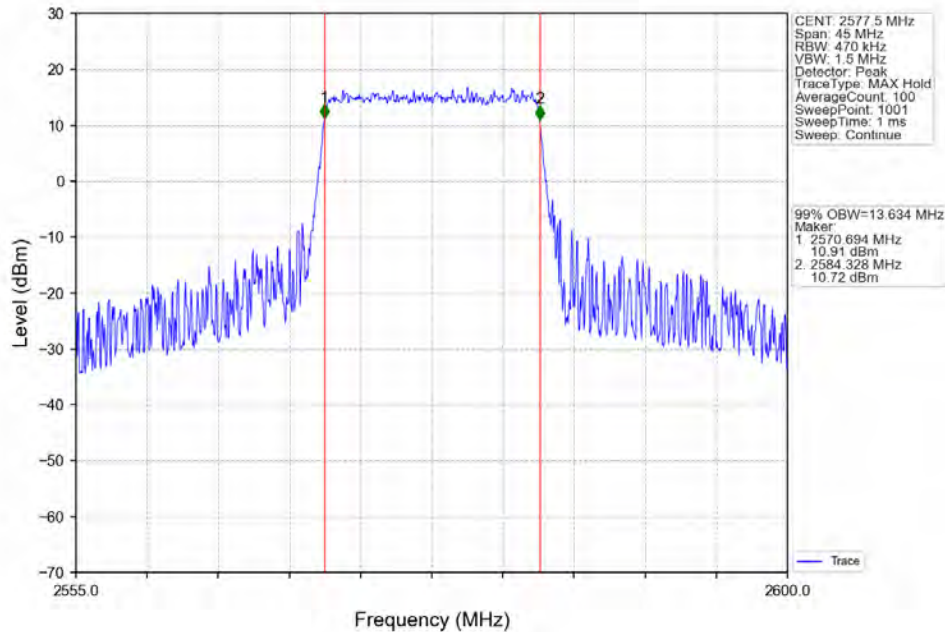
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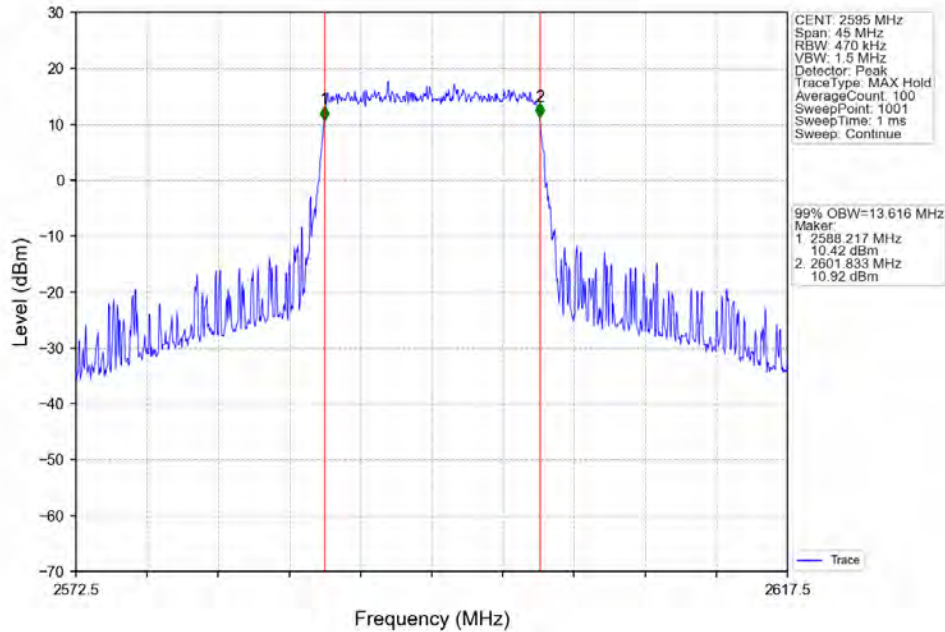
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Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



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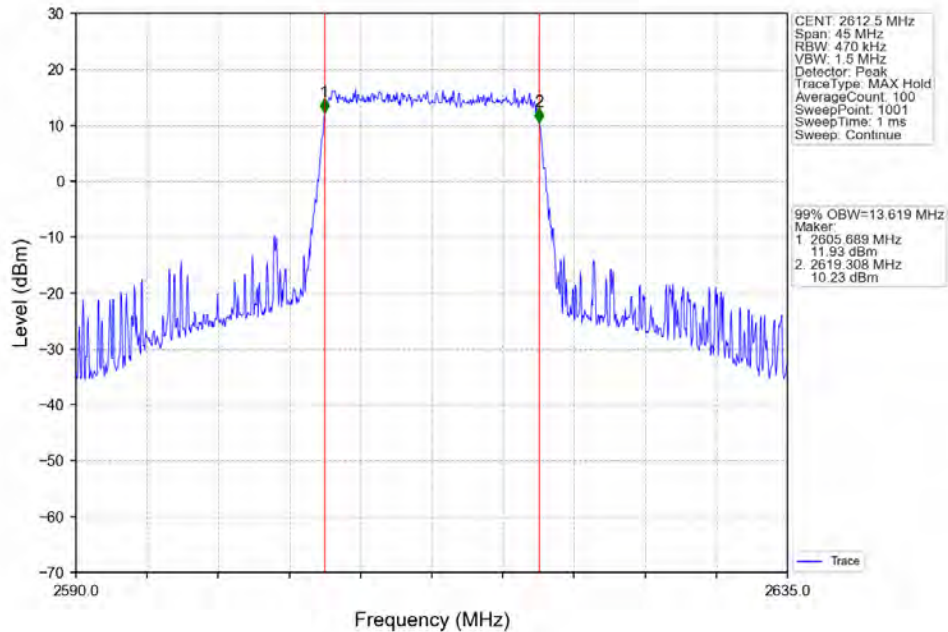
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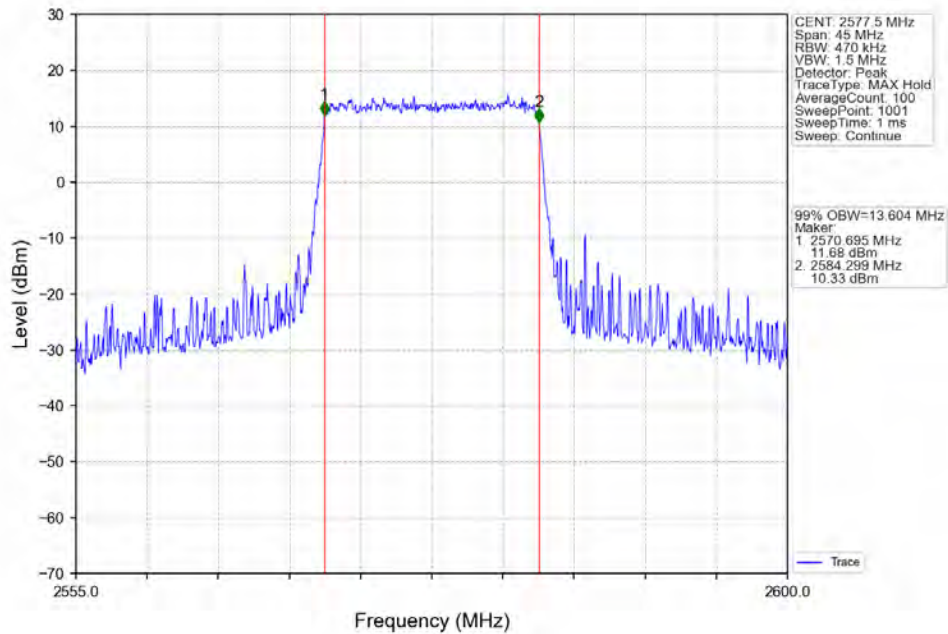
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Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



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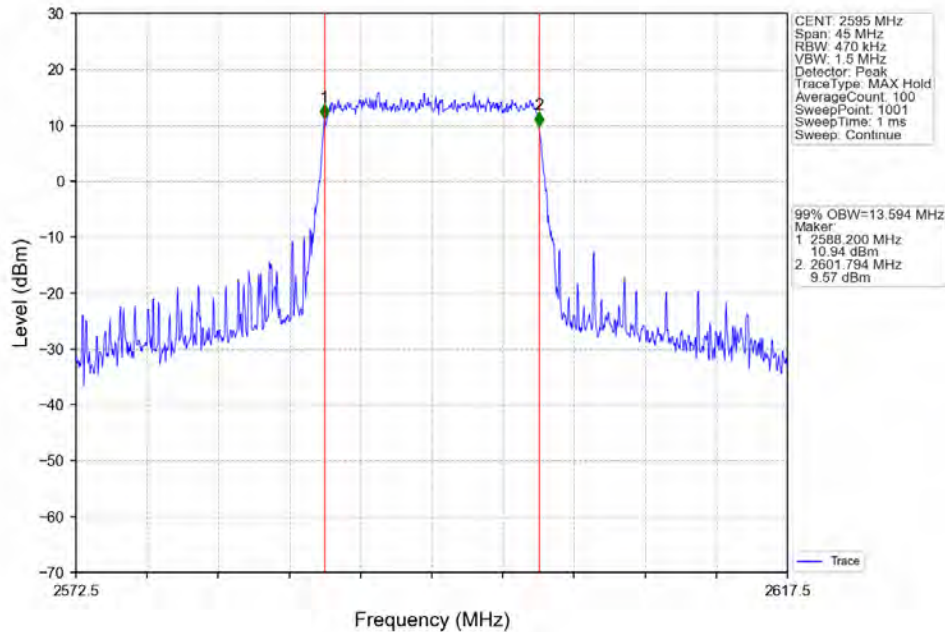
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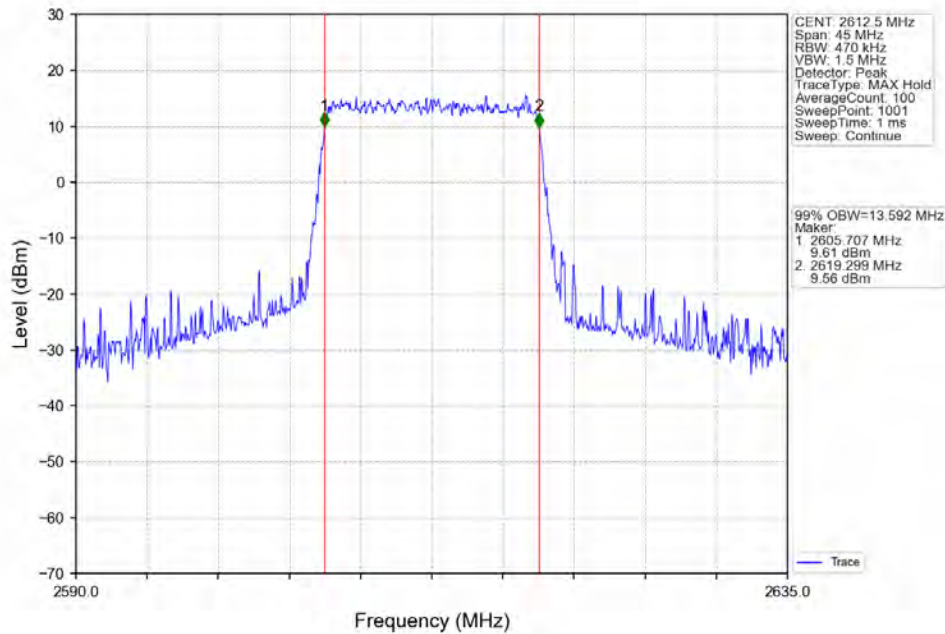
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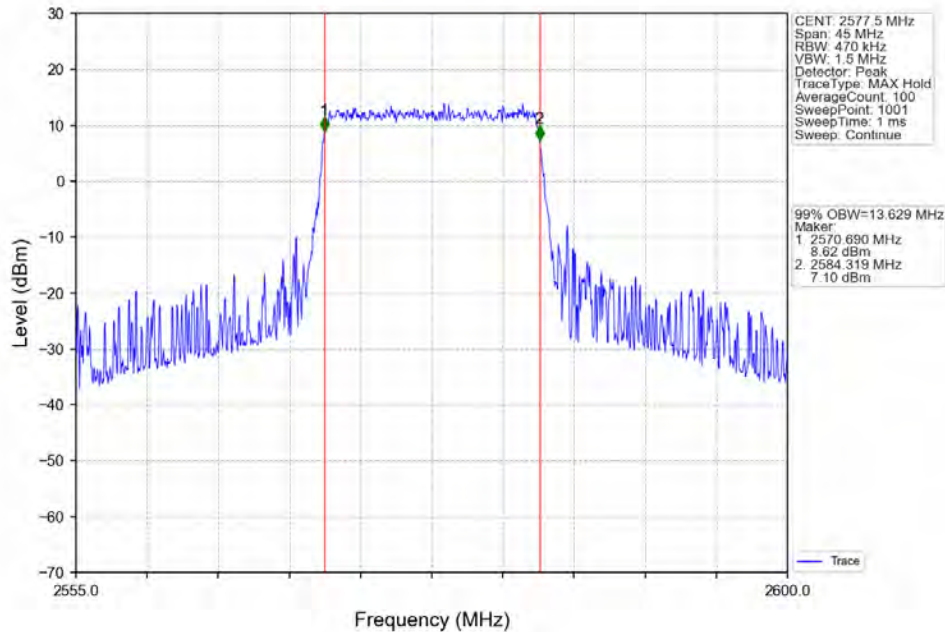
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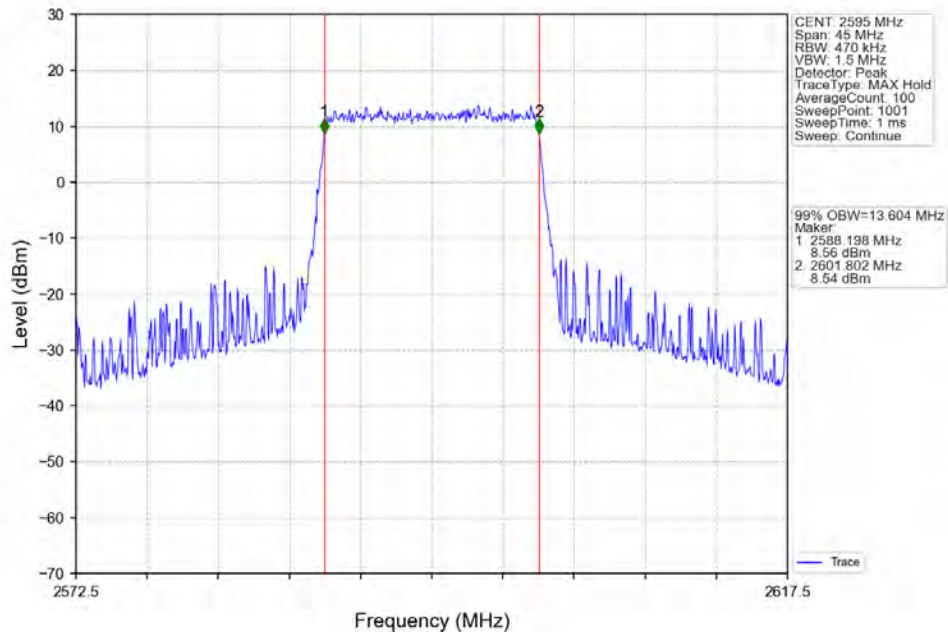
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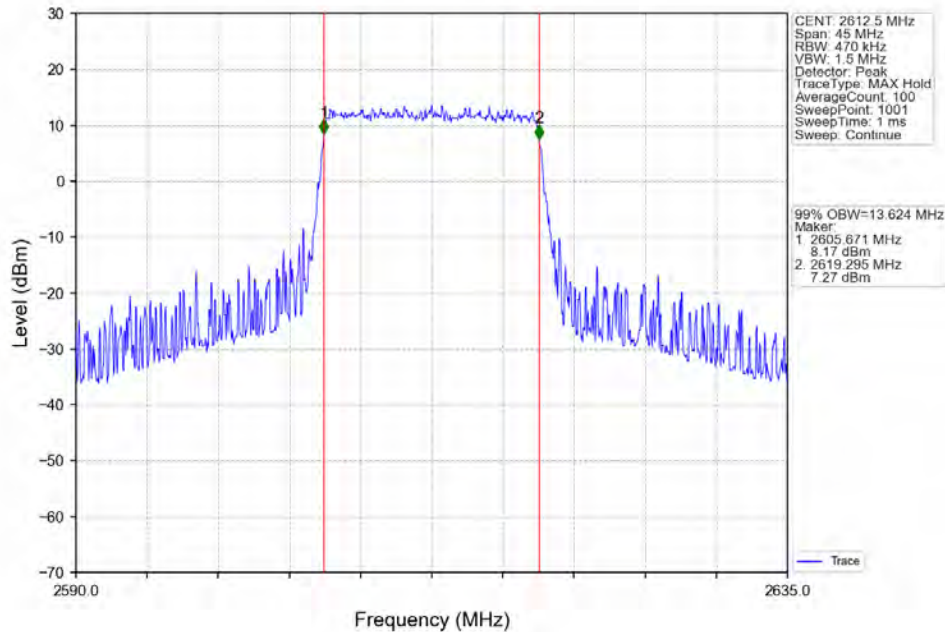
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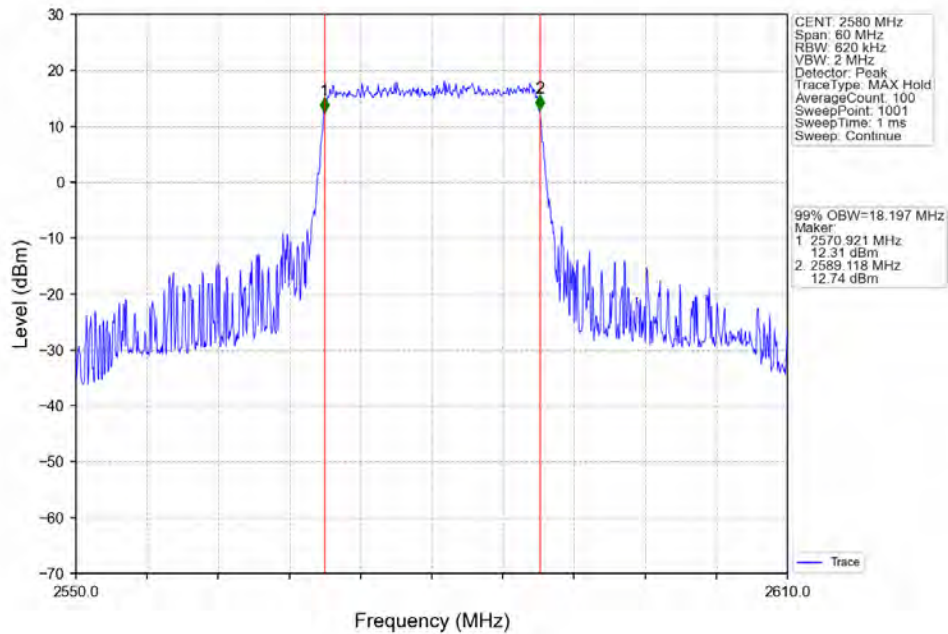
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Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTN



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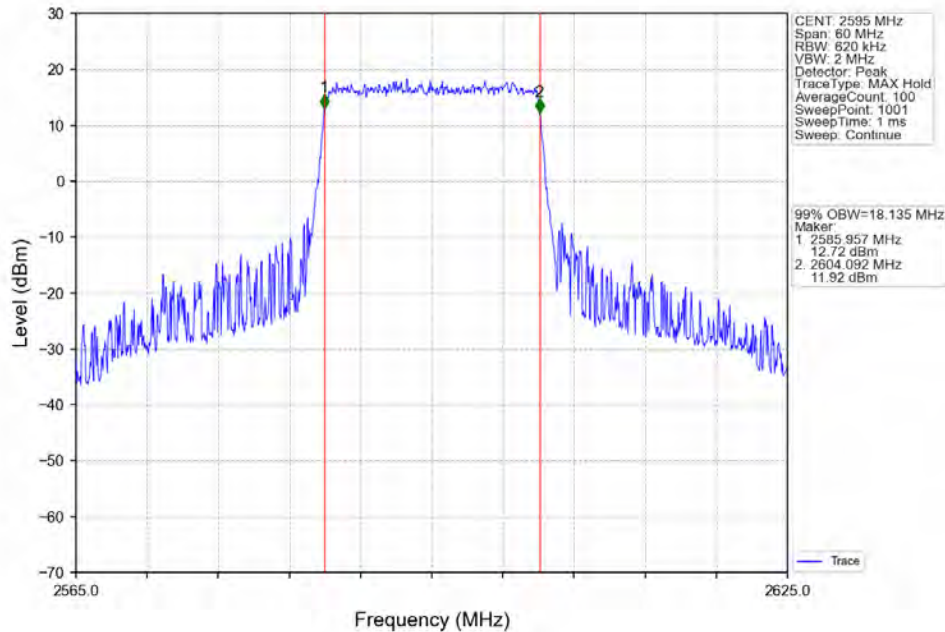
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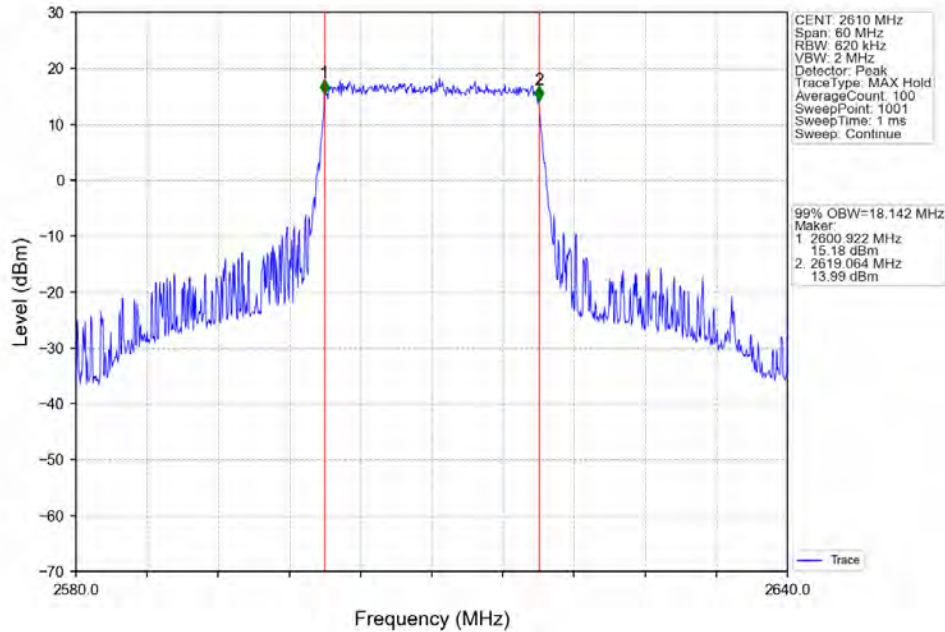
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Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



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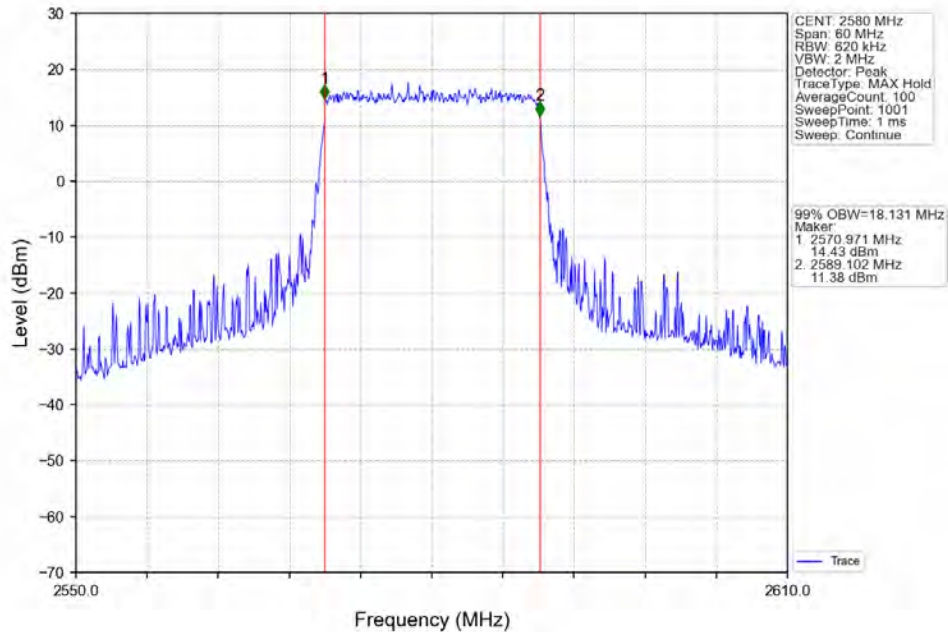
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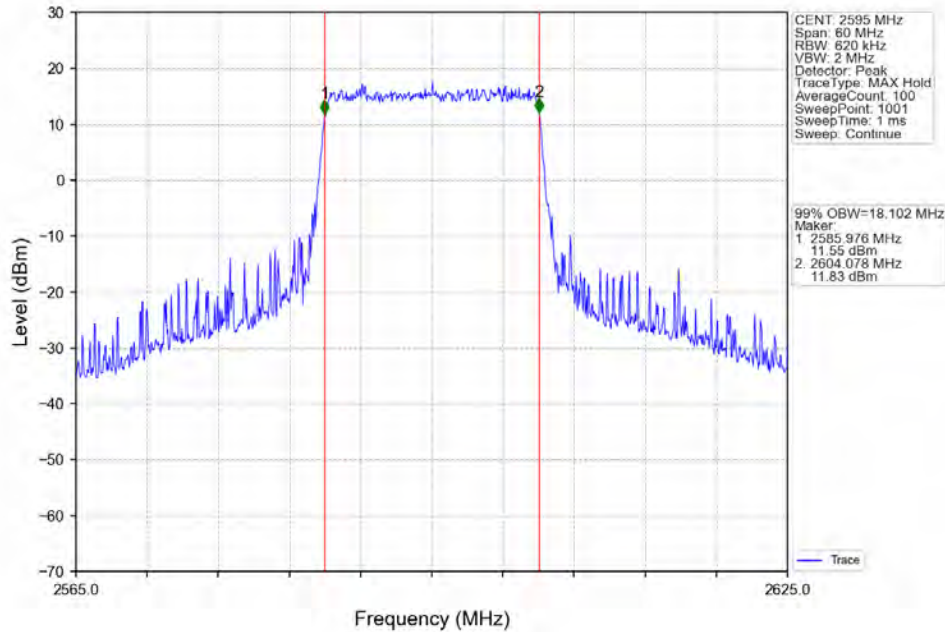
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Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



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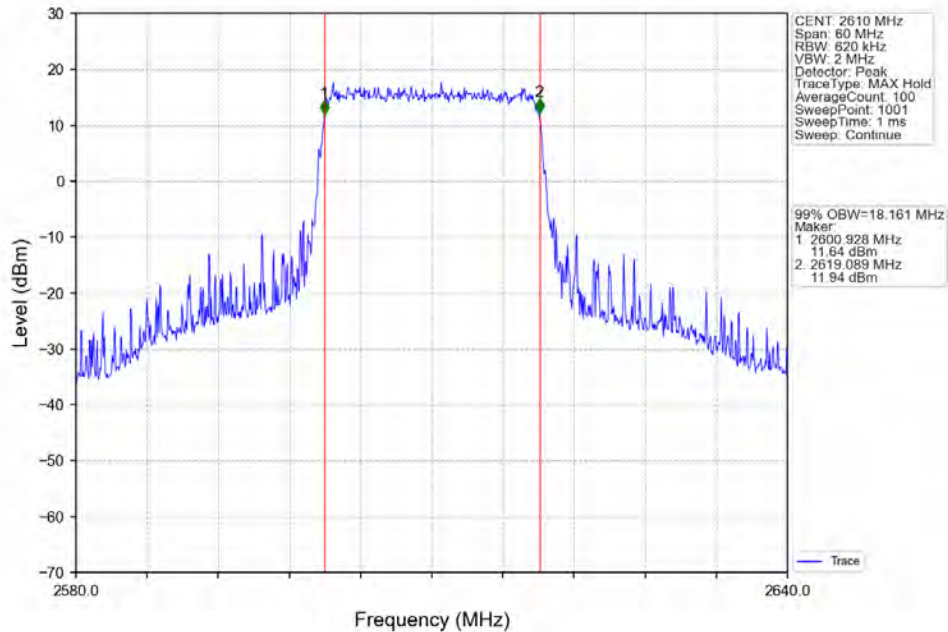
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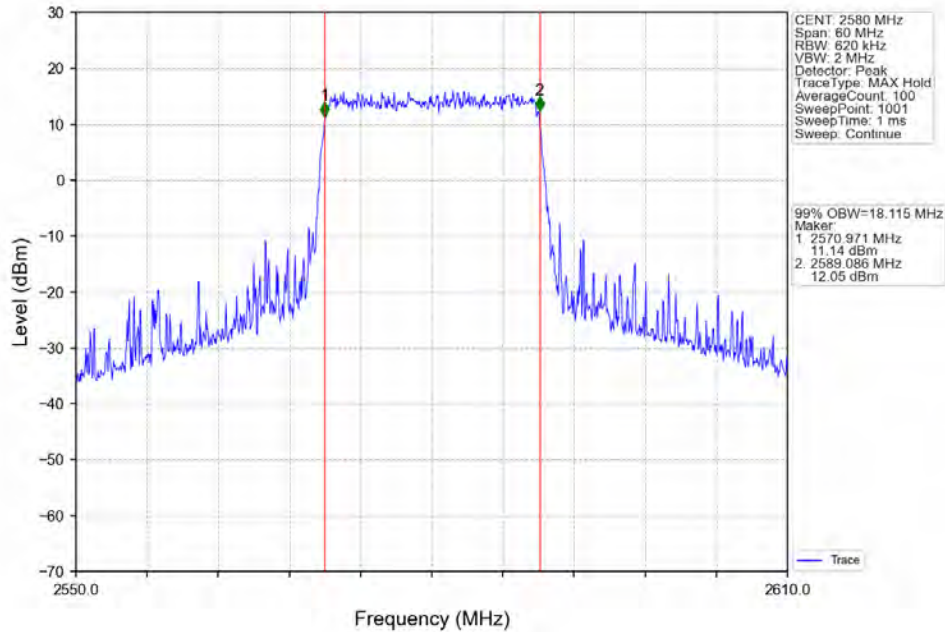
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Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



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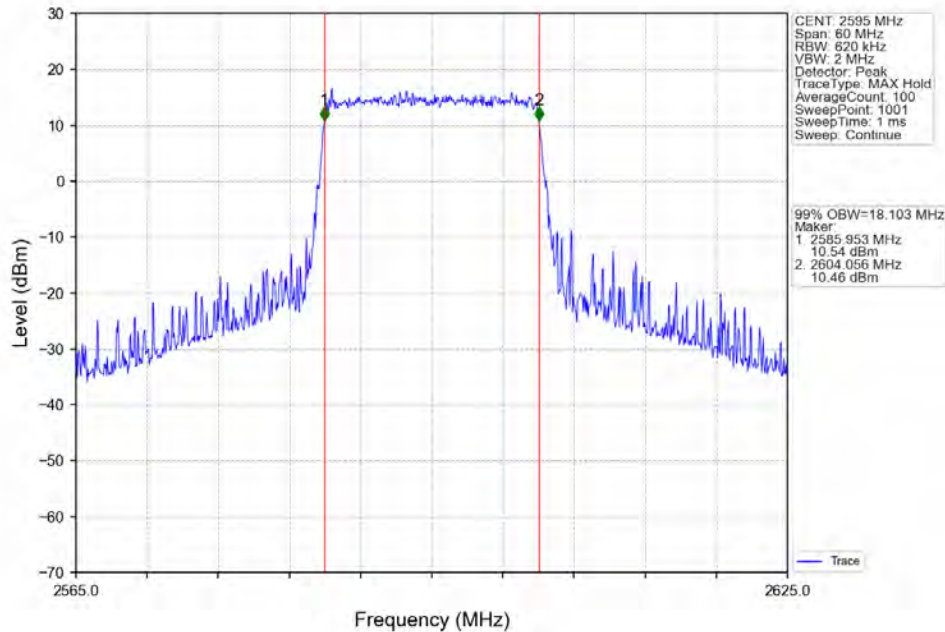
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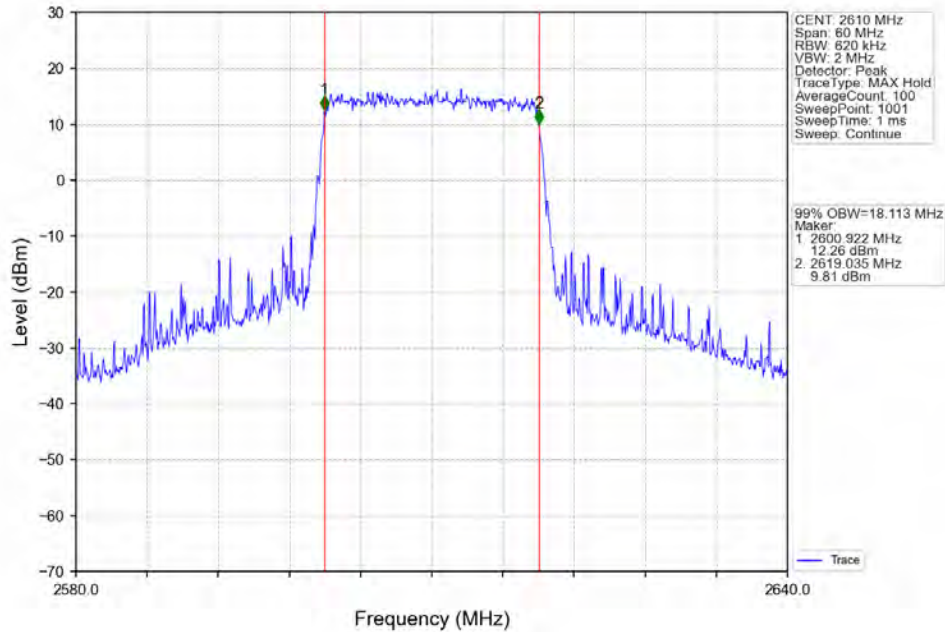
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Band38_20MHz_256QAM_LCH_2580MHz_RB_100_0_NTNV



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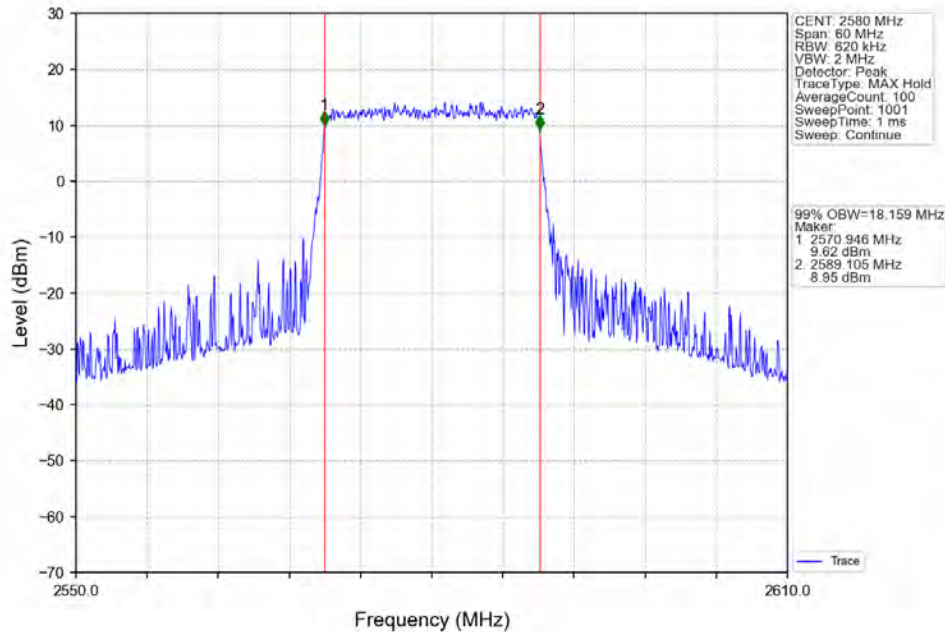
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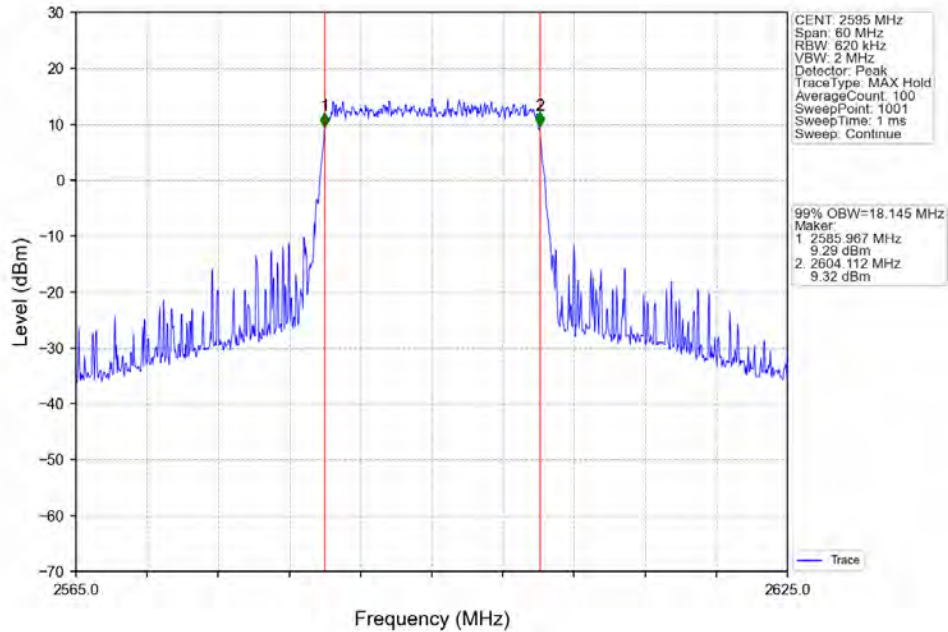
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Band38_20MHz_256QAM_HCH_2610MHz_RB_100_0_NTNV



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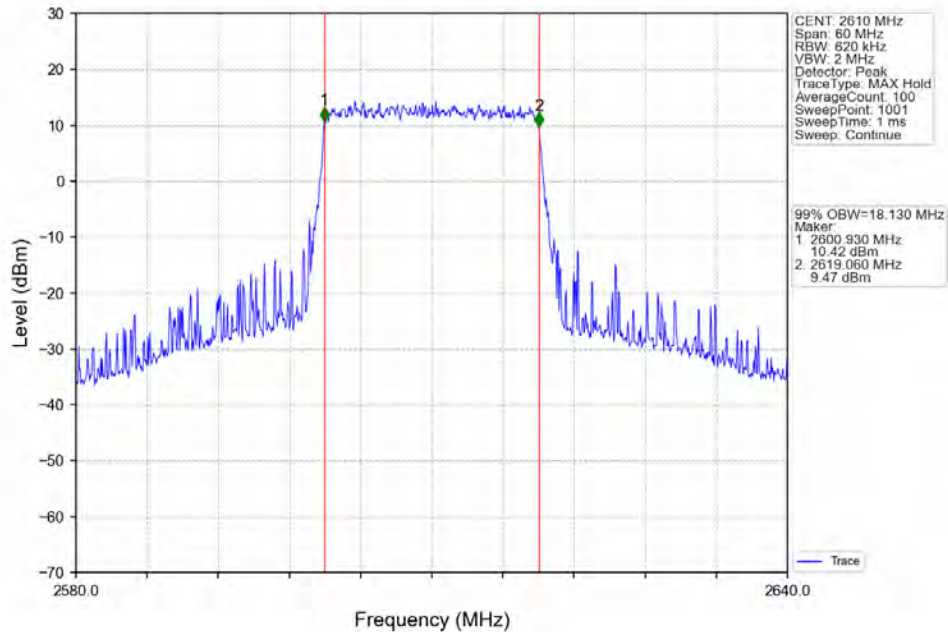
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4.2 Band38_XDB

4.2.1 Test Result

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	5.219	/	Pass
		2595	25	0	5.313	/	Pass
		2617.5	25	0	5.238	/	Pass
	16QAM	2572.5	25	0	5.340	/	Pass
		2595	25	0	5.278	/	Pass
		2617.5	25	0	5.263	/	Pass
	64QAM	2572.5	25	0	5.168	/	Pass
		2595	25	0	5.580	/	Pass
		2617.5	25	0	5.201	/	Pass
	256QAM	2572.5	25	0	5.349	/	Pass
		2595	25	0	5.377	/	Pass
		2617.5	25	0	5.330	/	Pass
10	QPSK	2575	50	0	11.040	/	Pass
		2595	50	0	10.433	/	Pass
		2615	50	0	10.149	/	Pass
	16QAM	2575	50	0	10.426	/	Pass
		2595	50	0	11.269	/	Pass
		2615	50	0	10.926	/	Pass
	64QAM	2575	50	0	10.152	/	Pass
		2595	50	0	10.197	/	Pass
		2615	50	0	10.162	/	Pass
	256QAM	2575	50	0	10.491	/	Pass
		2595	50	0	10.812	/	Pass
		2615	50	0	10.250	/	Pass
15	QPSK	2577.5	75	0	16.680	/	Pass
		2595	75	0	17.025	/	Pass
		2612.5	75	0	15.760	/	Pass
	16QAM	2577.5	75	0	17.379	/	Pass
		2595	75	0	15.794	/	Pass
		2612.5	75	0	15.377	/	Pass
	64QAM	2577.5	75	0	17.315	/	Pass
		2595	75	0	15.655	/	Pass
		2612.5	75	0	15.205	/	Pass
	256QAM	2577.5	75	0	17.245	/	Pass
		2595	75	0	15.264	/	Pass
		2612.5	75	0	16.520	/	Pass
20	QPSK	2580	100	0	21.127	/	Pass
		2595	100	0	21.492	/	Pass
		2610	100	0	21.034	/	Pass



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	16QAM	2580	100	0	20.141	/	Pass
		2595	100	0	20.300	/	Pass
		2610	100	0	21.364	/	Pass
	64QAM	2580	100	0	21.242	/	Pass
		2595	100	0	21.755	/	Pass
		2610	100	0	20.149	/	Pass
	256QAM	2580	100	0	21.270	/	Pass
		2595	100	0	20.833	/	Pass
		2610	100	0	20.720	/	Pass



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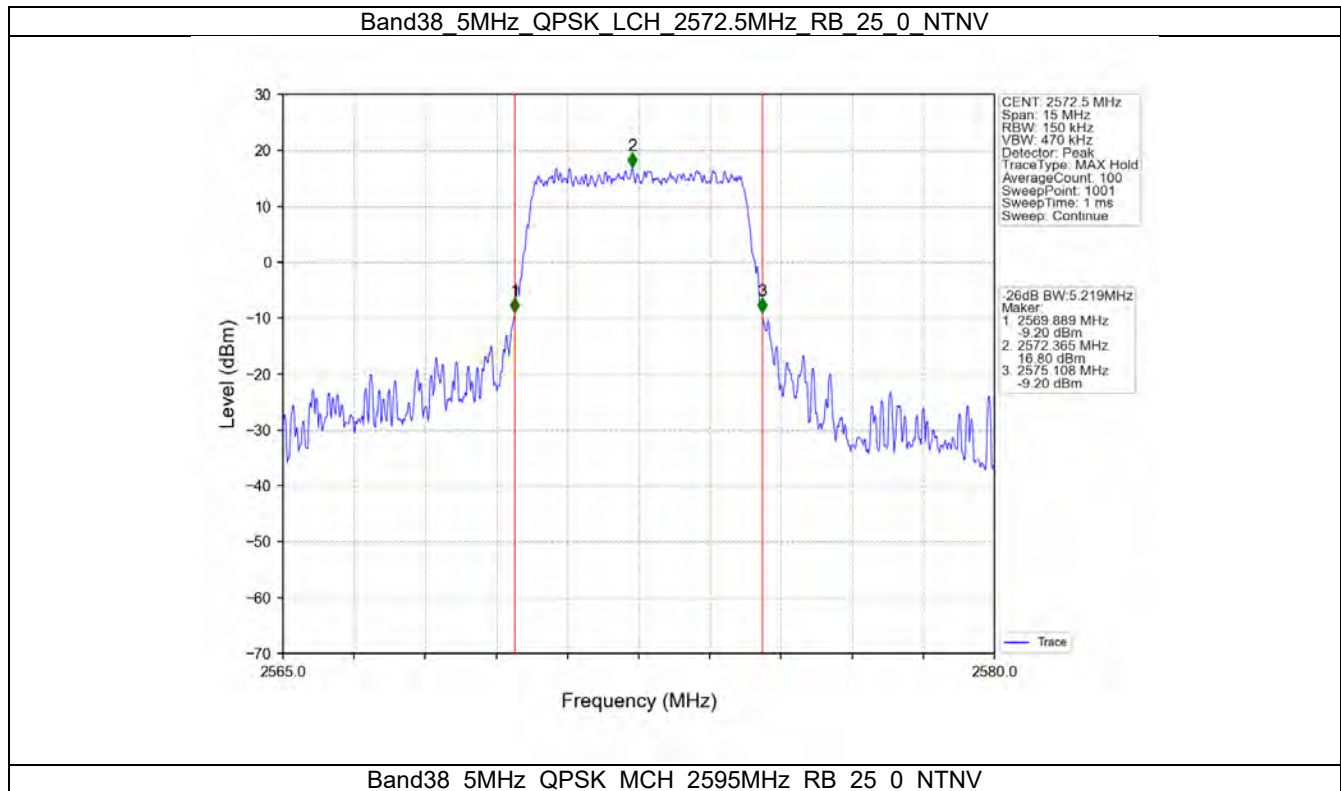
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4.2.2 Test Graph



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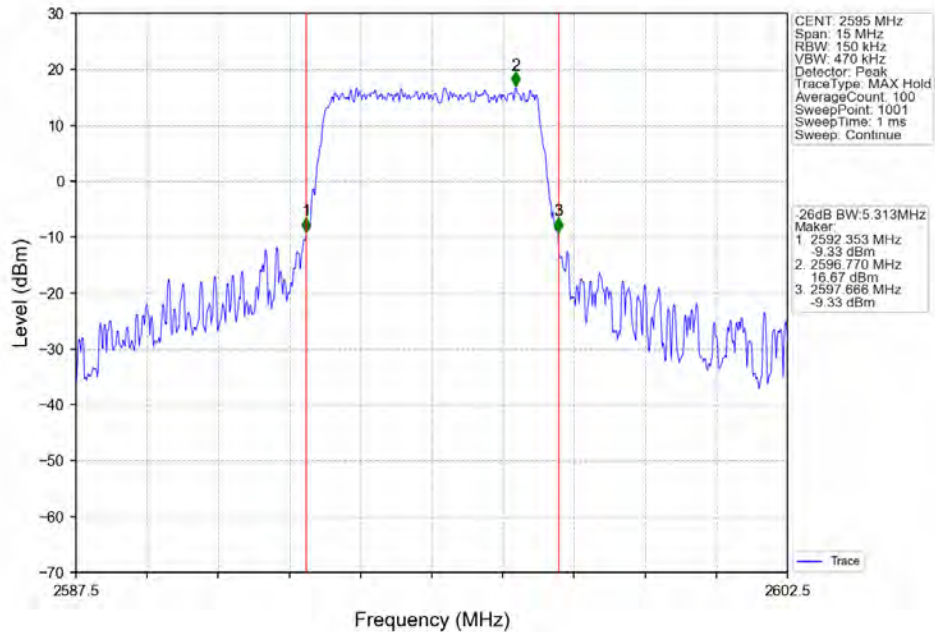
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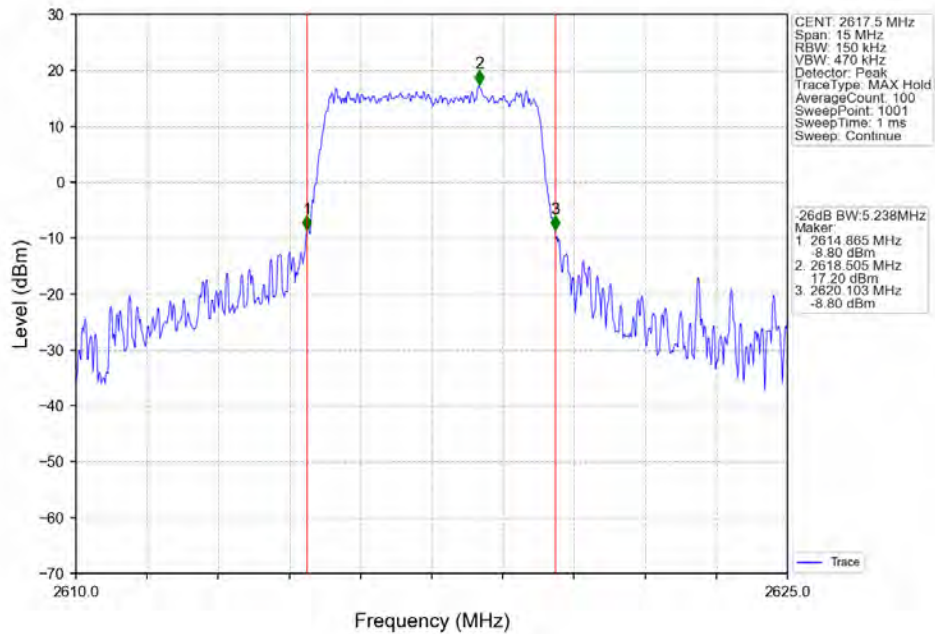
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Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



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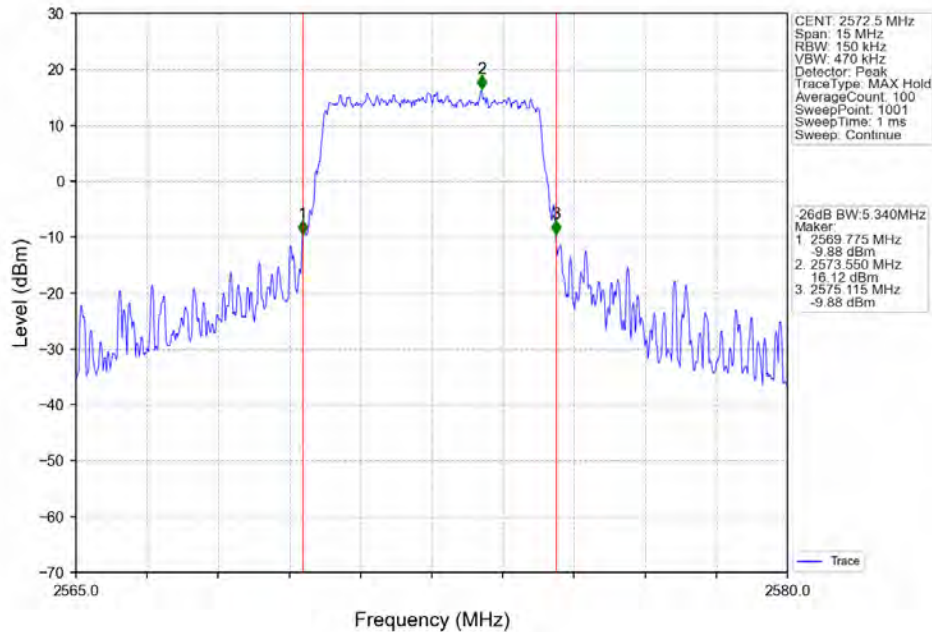
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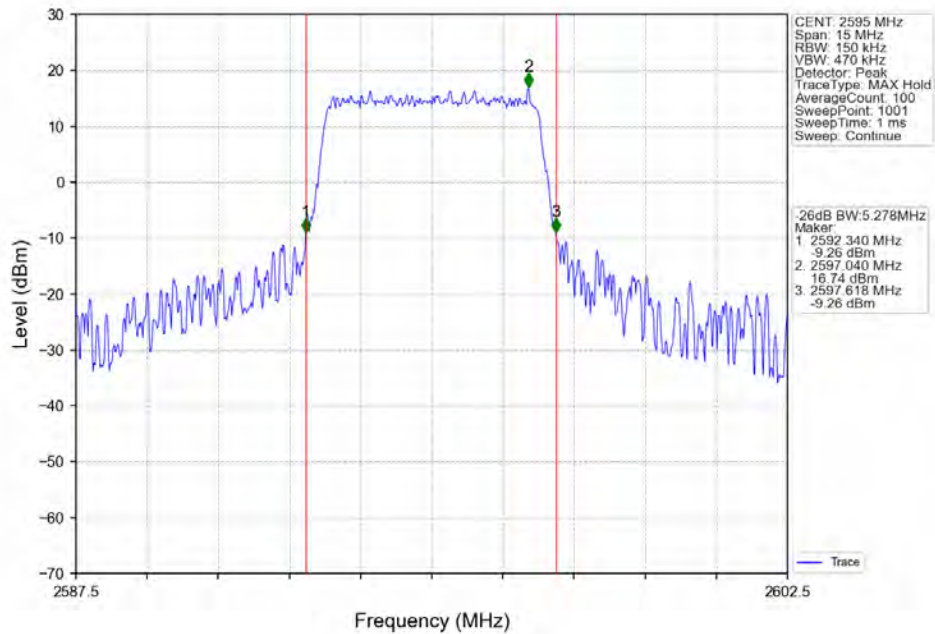
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Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



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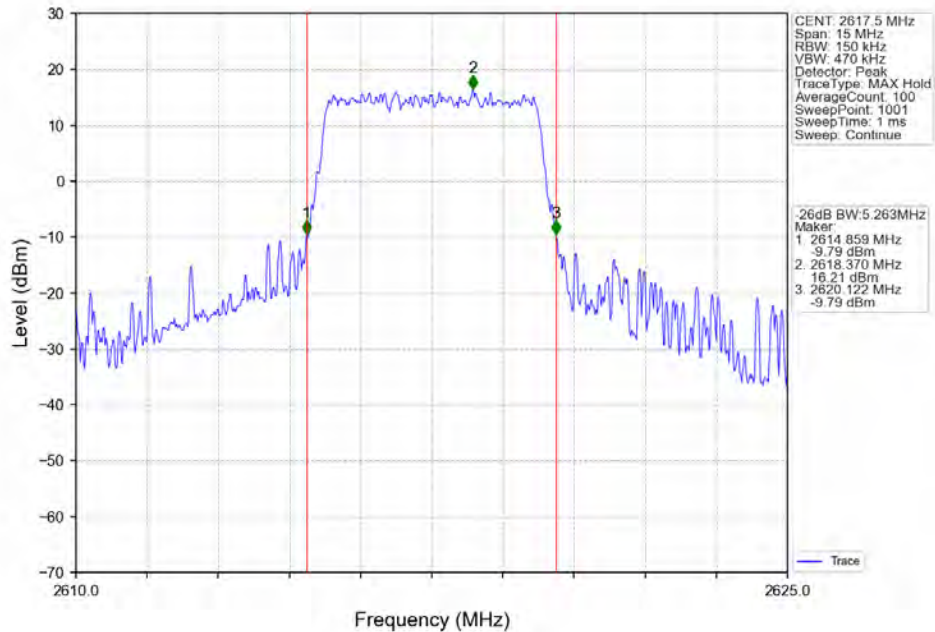
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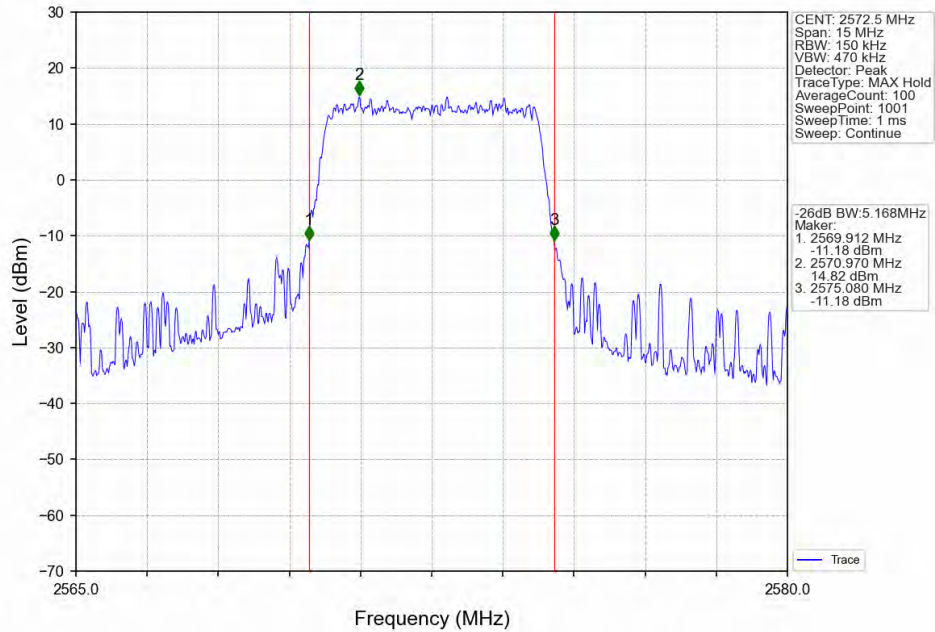
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Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



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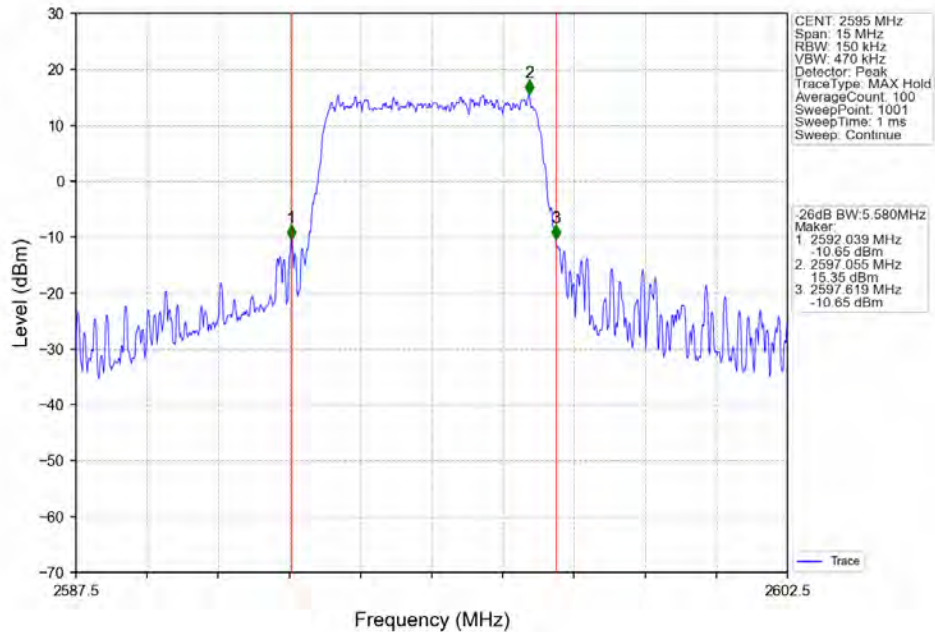
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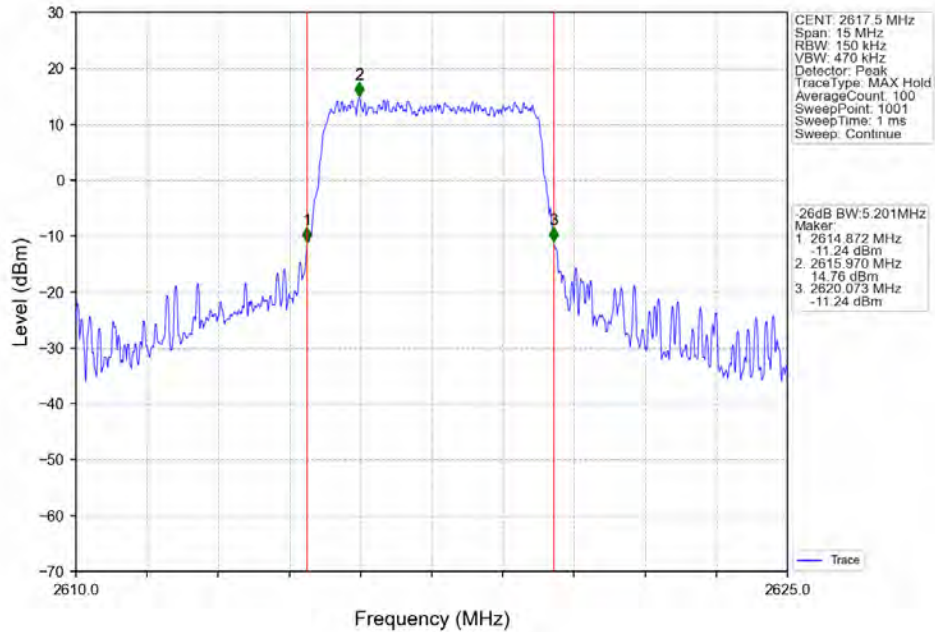
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Band38_5MHz_256QAM_LCH_2572.5MHz_RB_25_0_NTNV



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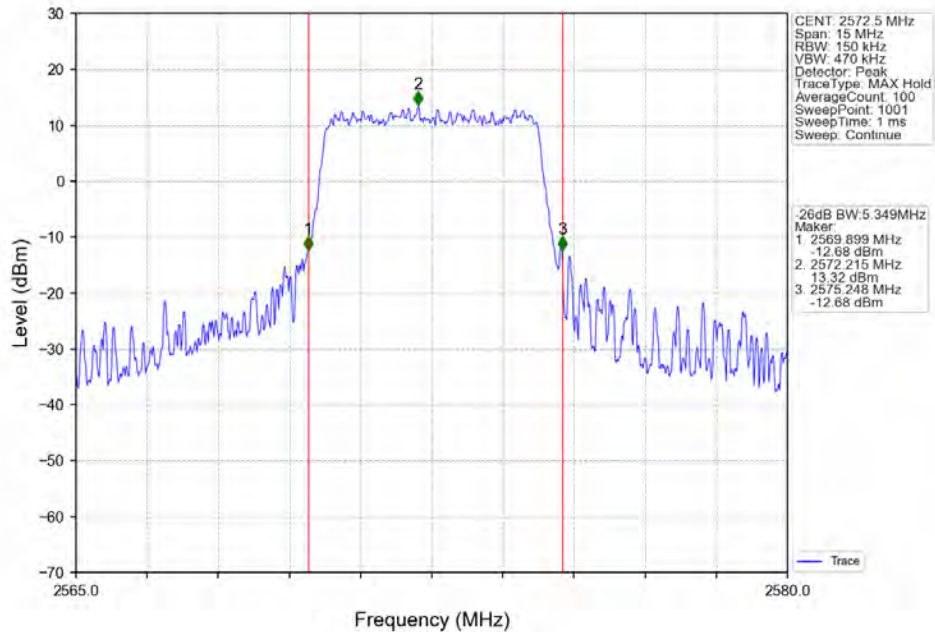
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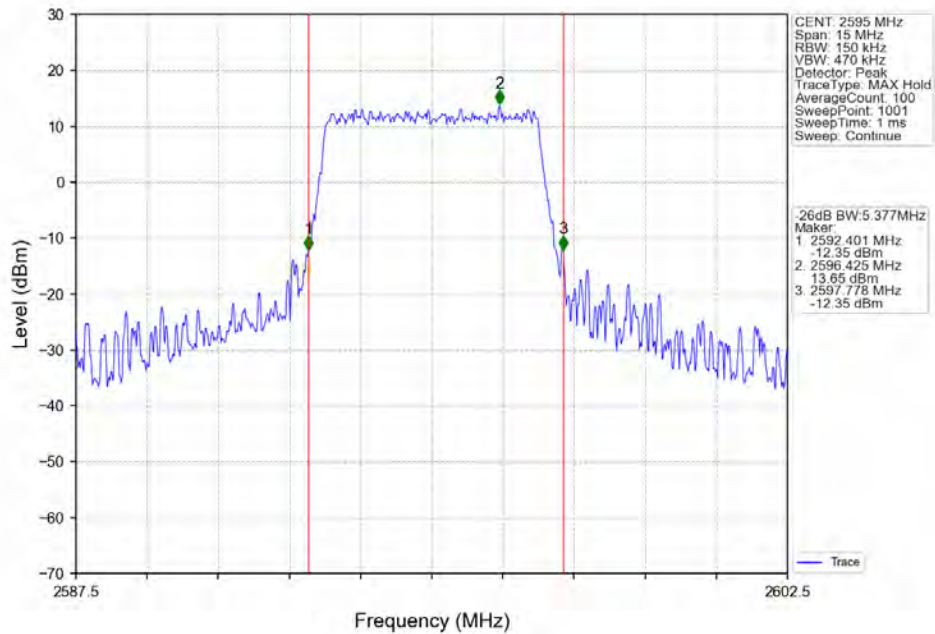
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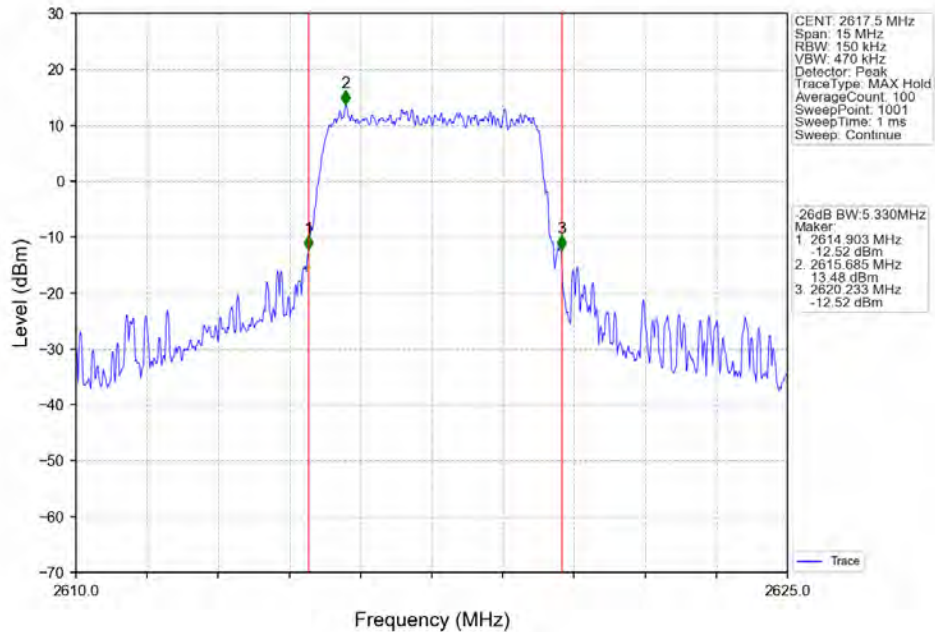
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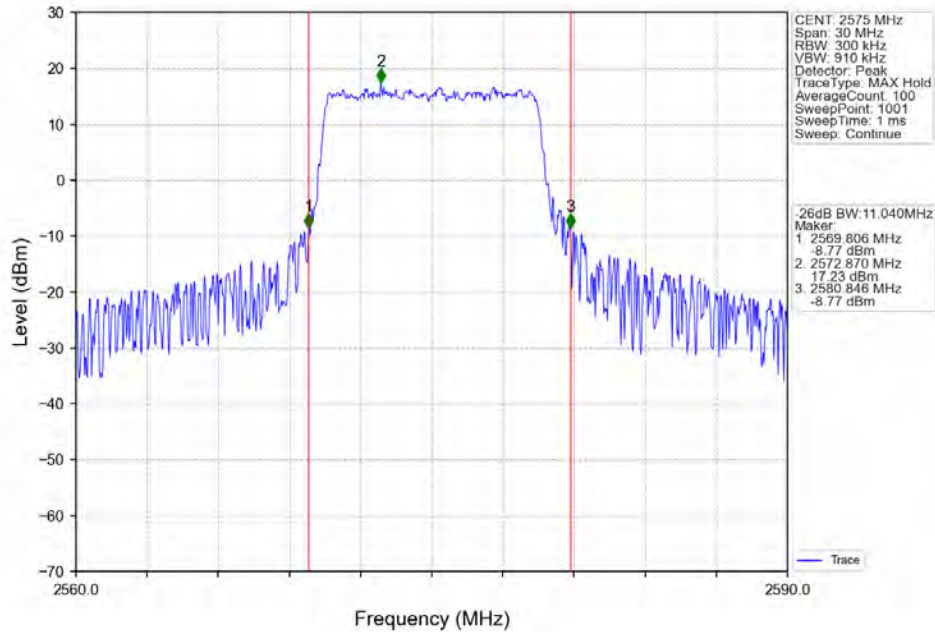
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Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



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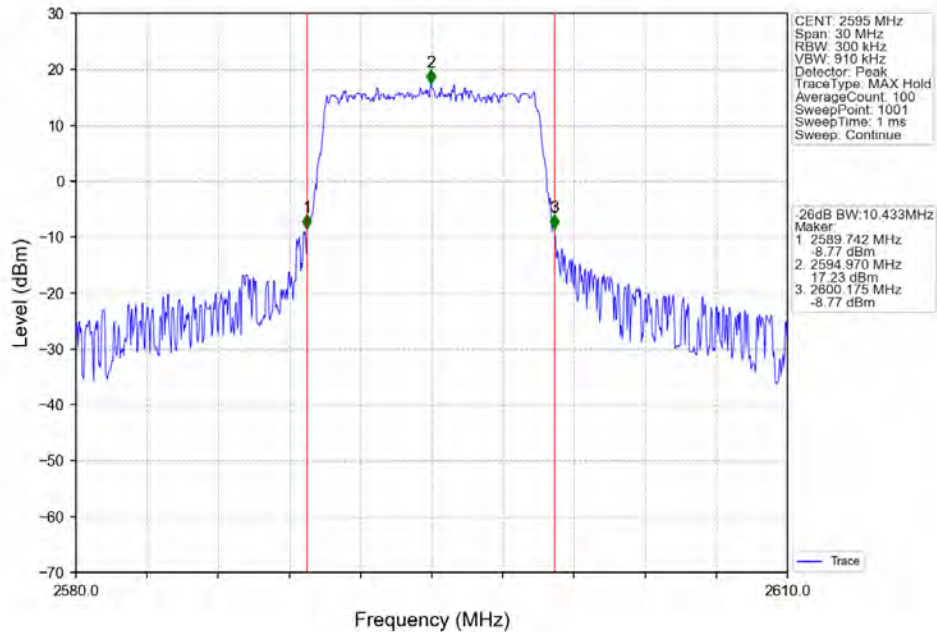
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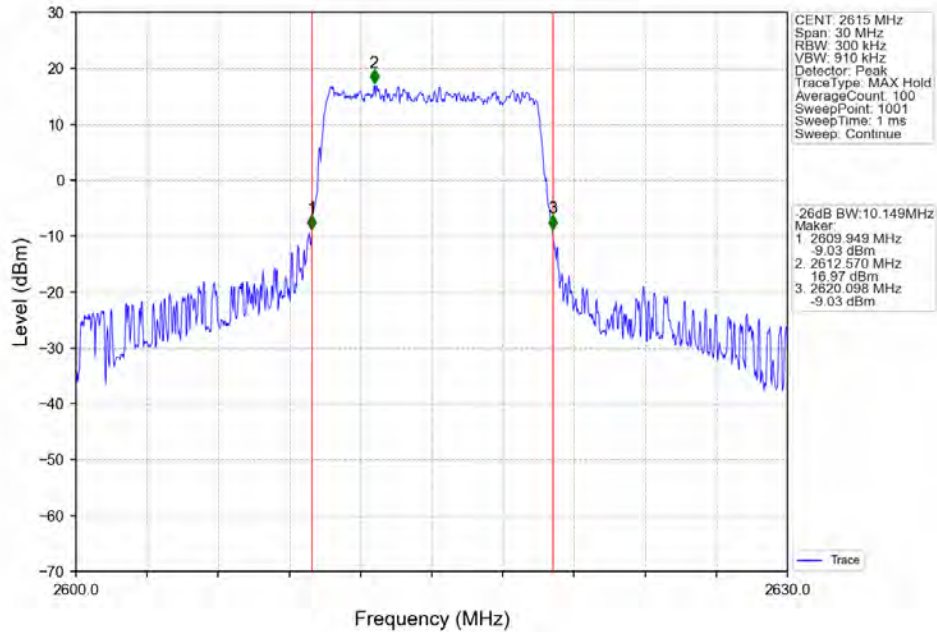
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Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



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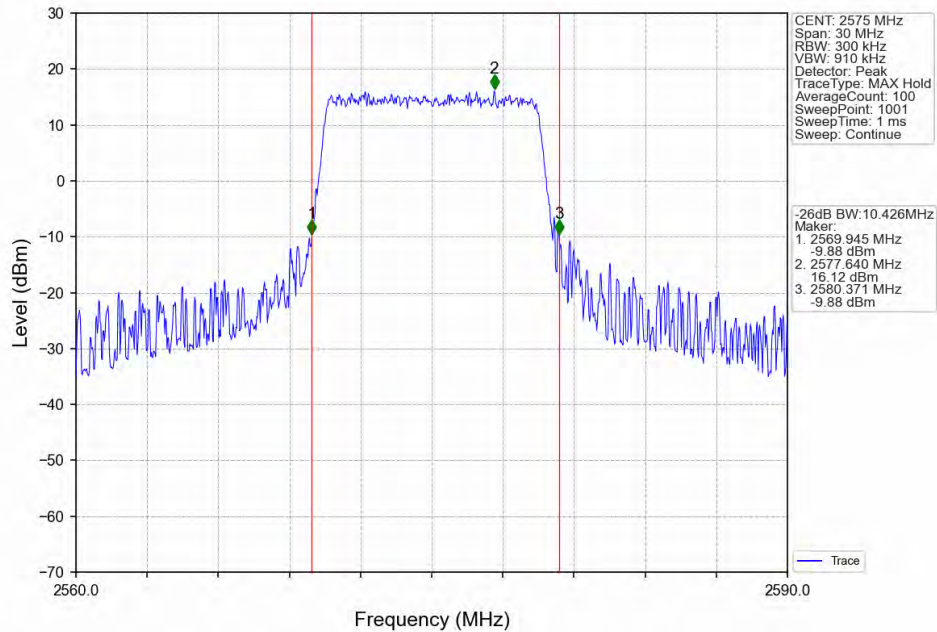
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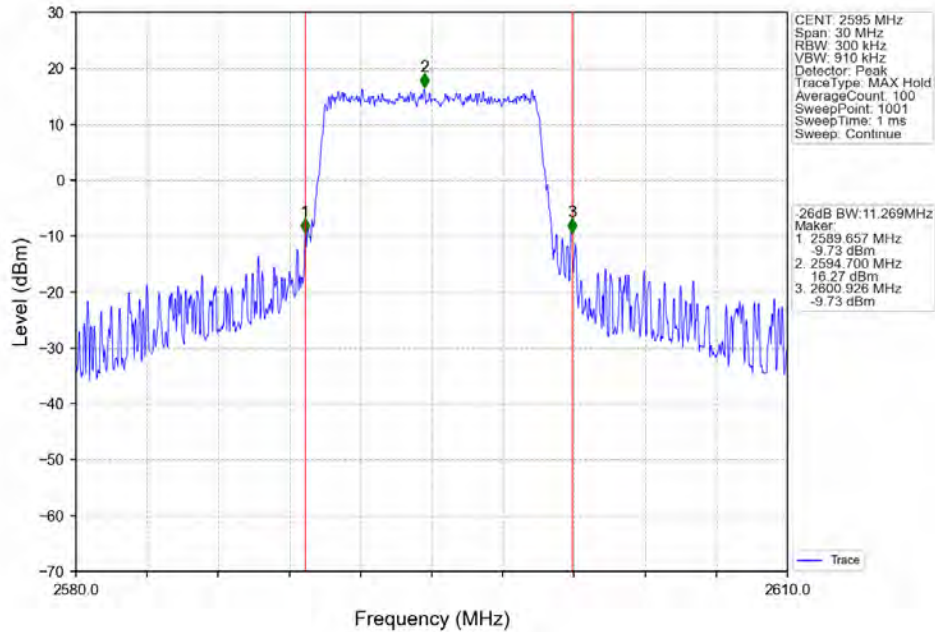
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Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



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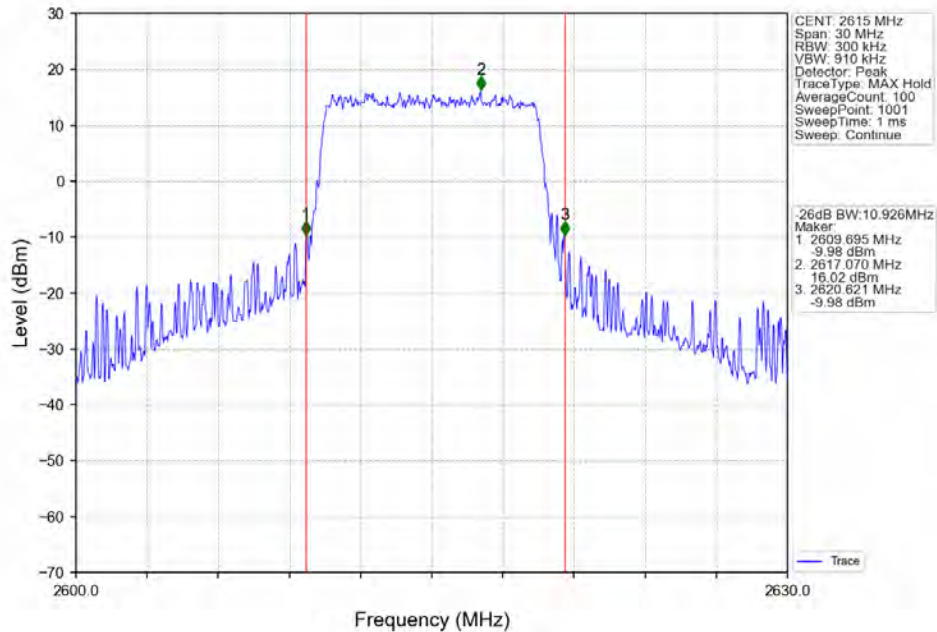
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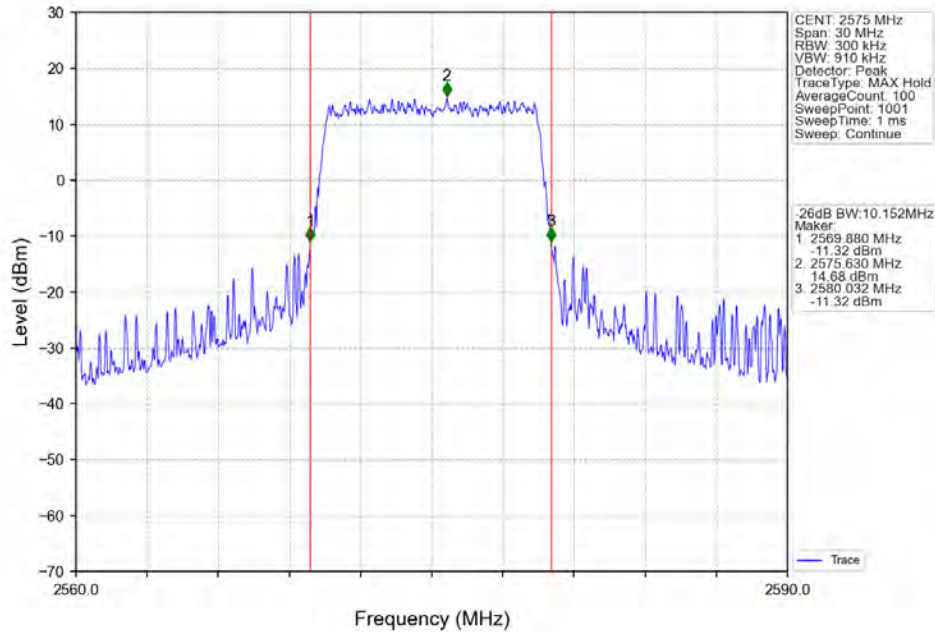
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Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



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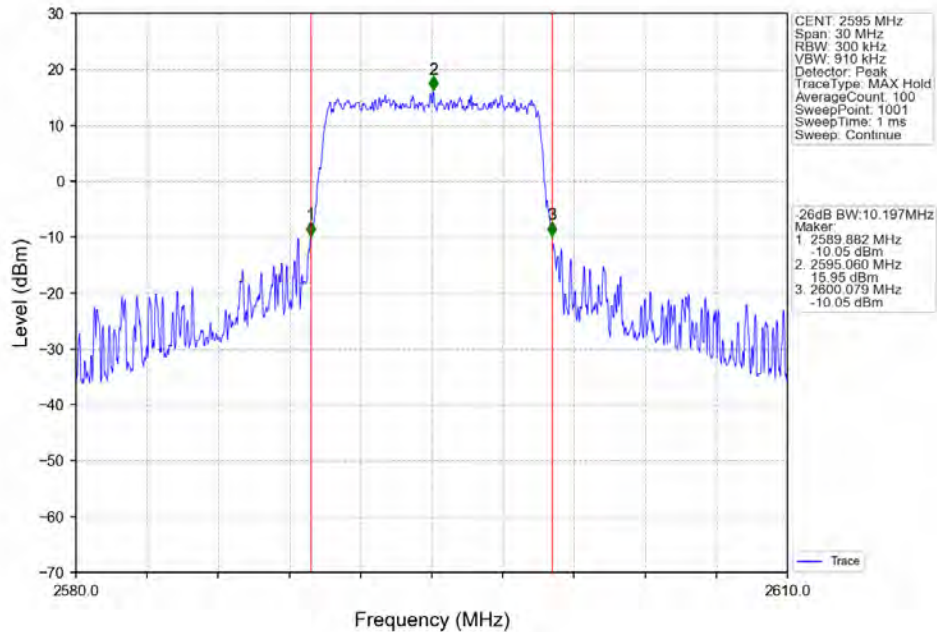
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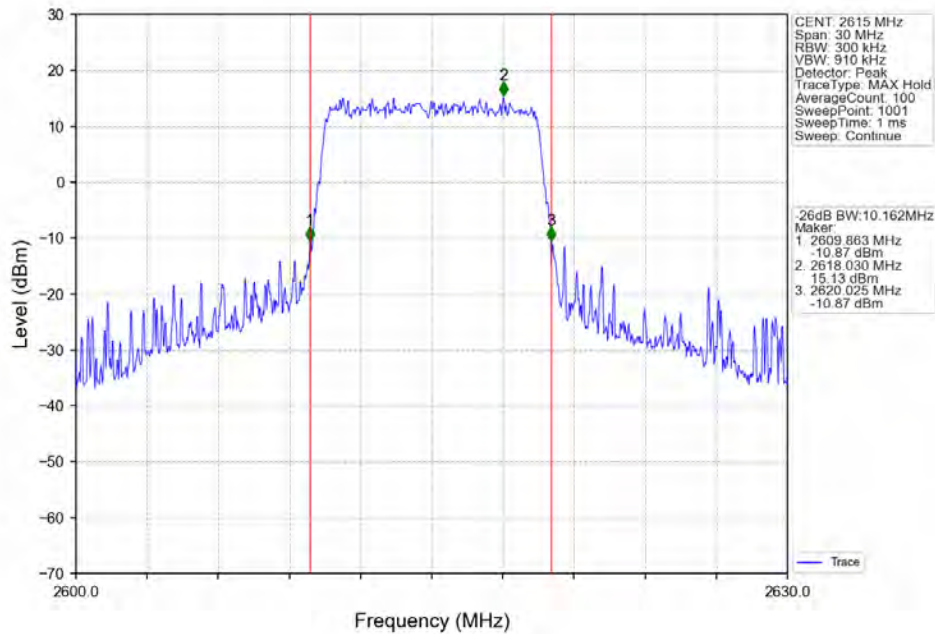
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Band38_10MHz_256QAM_LCH_2575MHz_RB_50_0_NTNV



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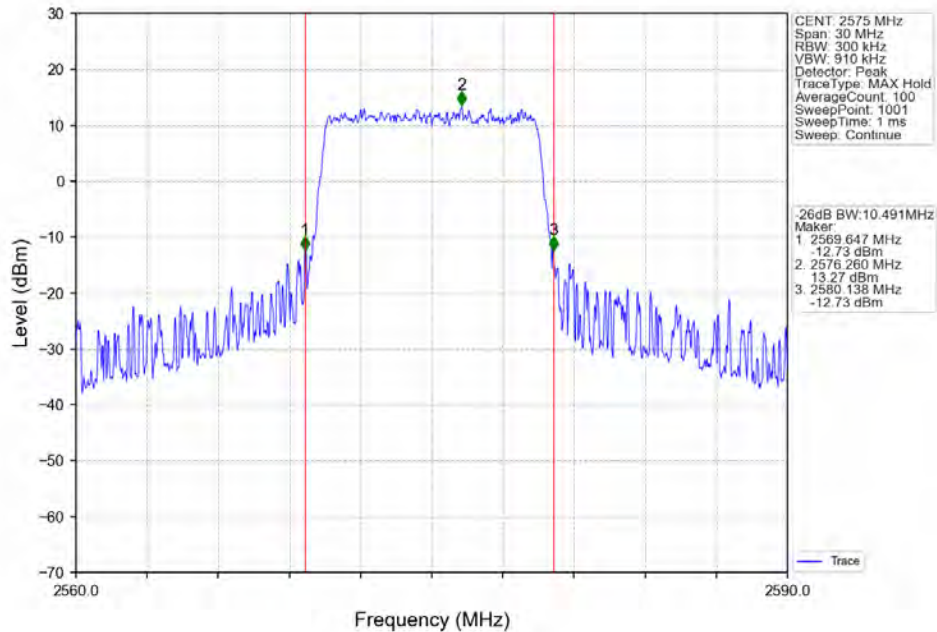
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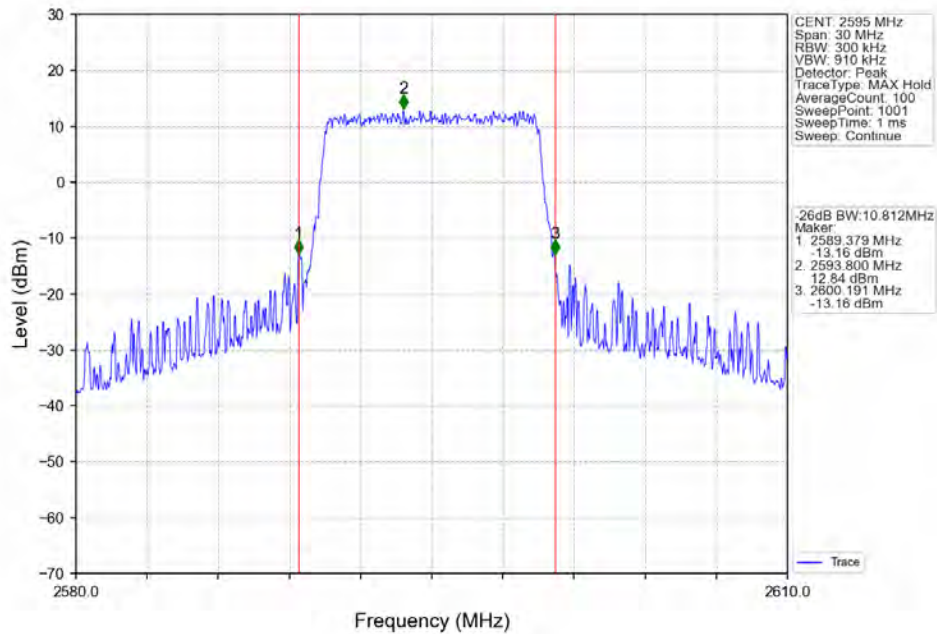
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Band38_10MHz_256QAM_HCH_2615MHz_RB_50_0_NTNV



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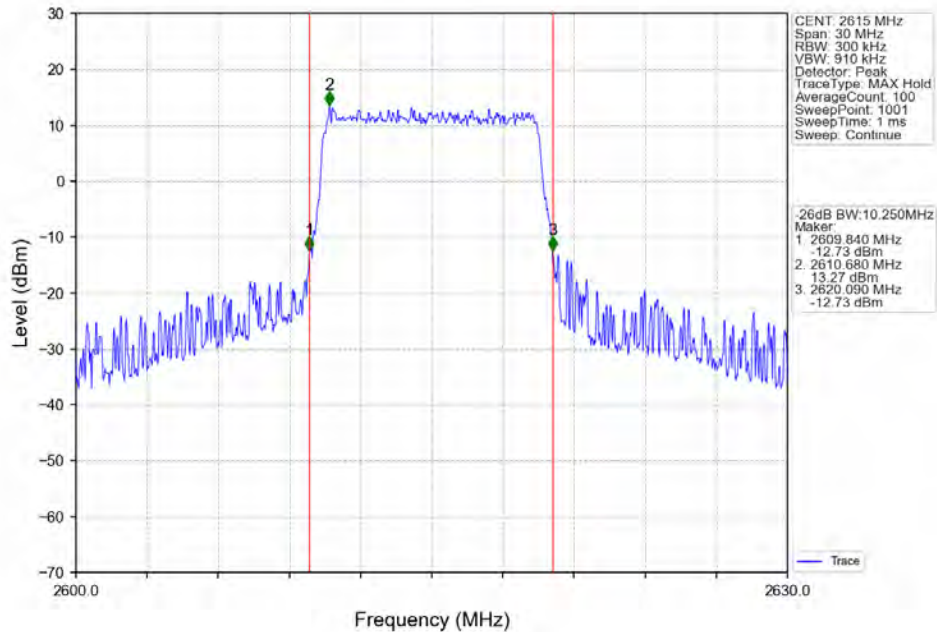
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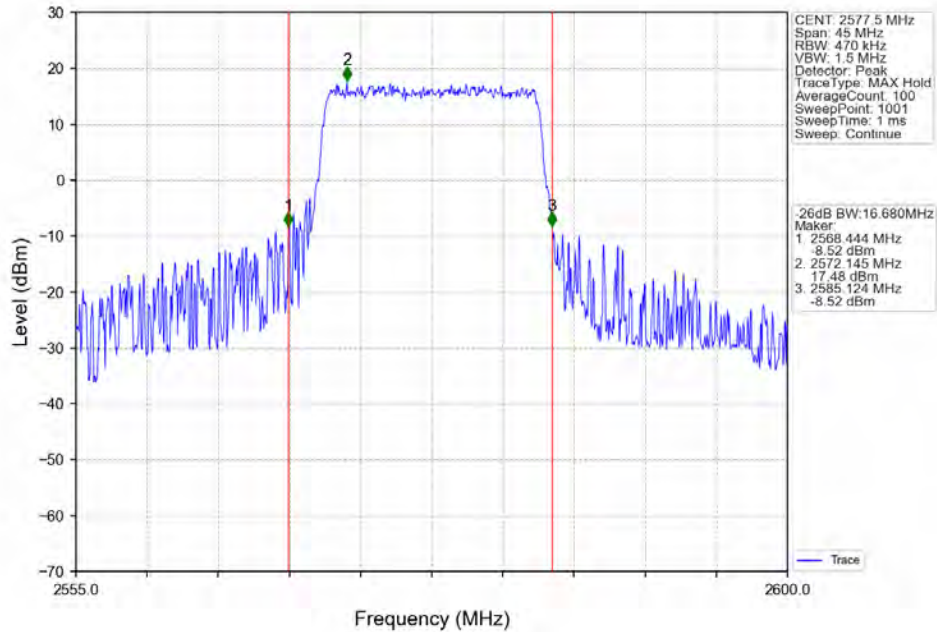
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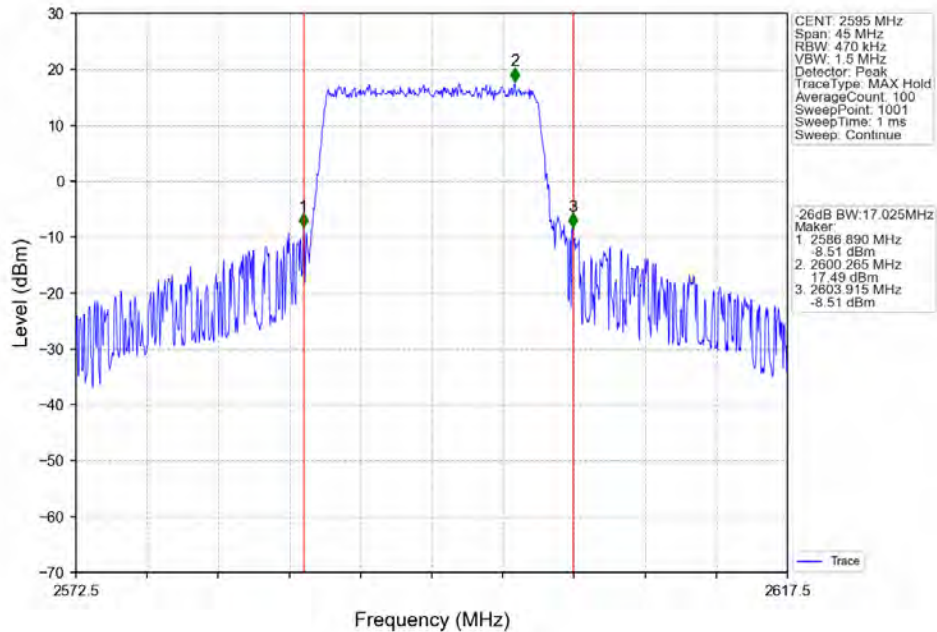
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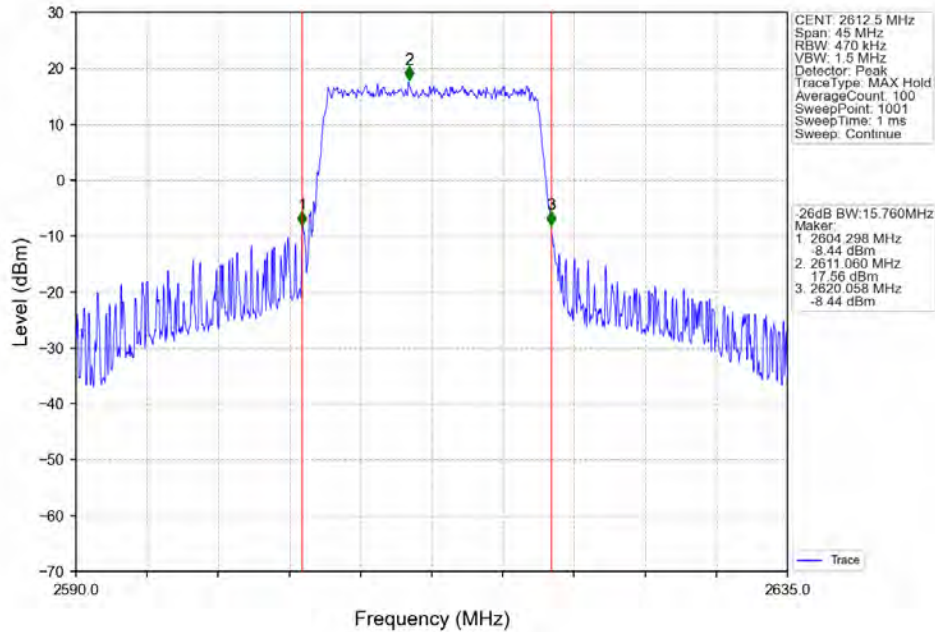
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Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



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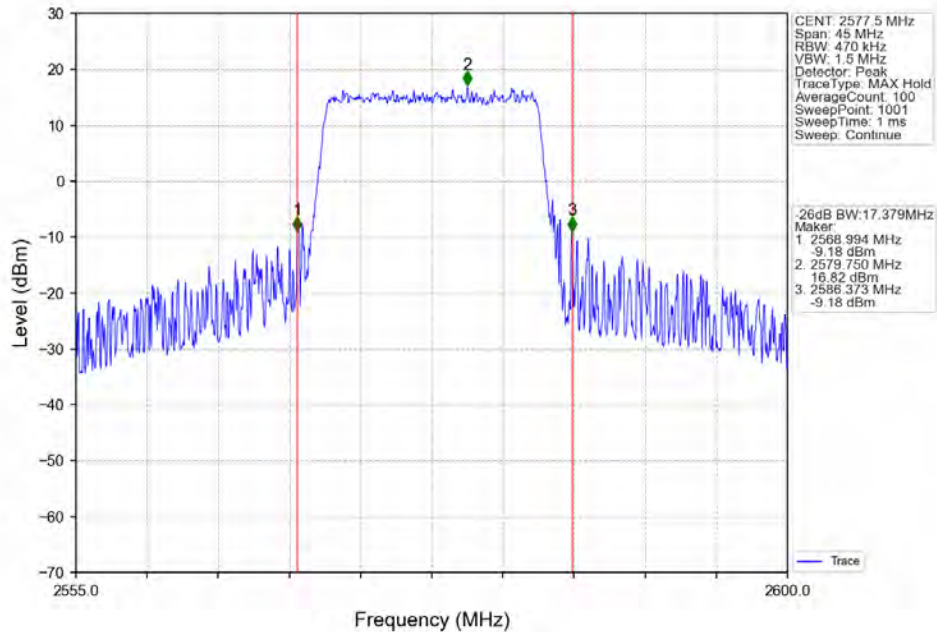
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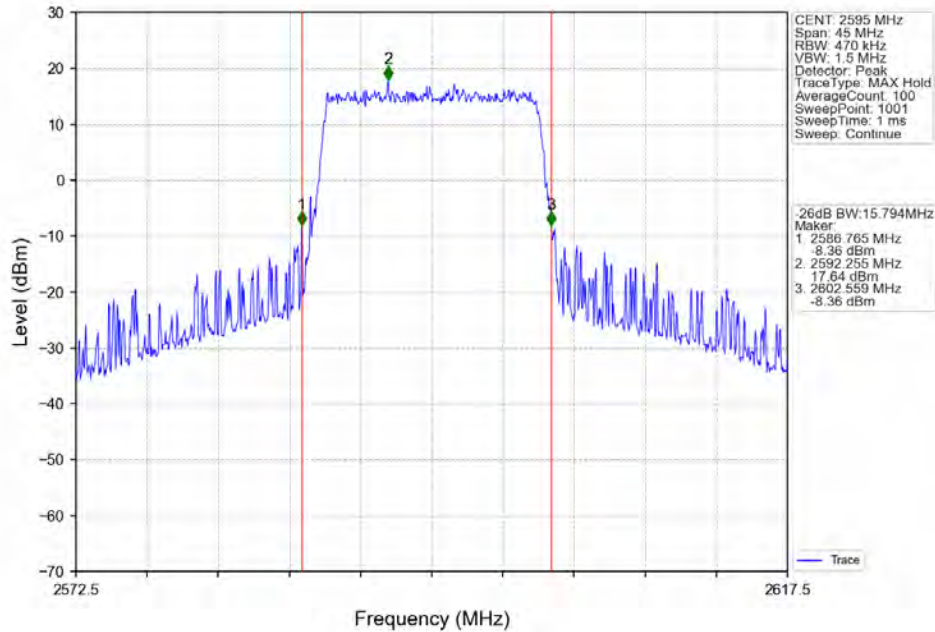
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Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



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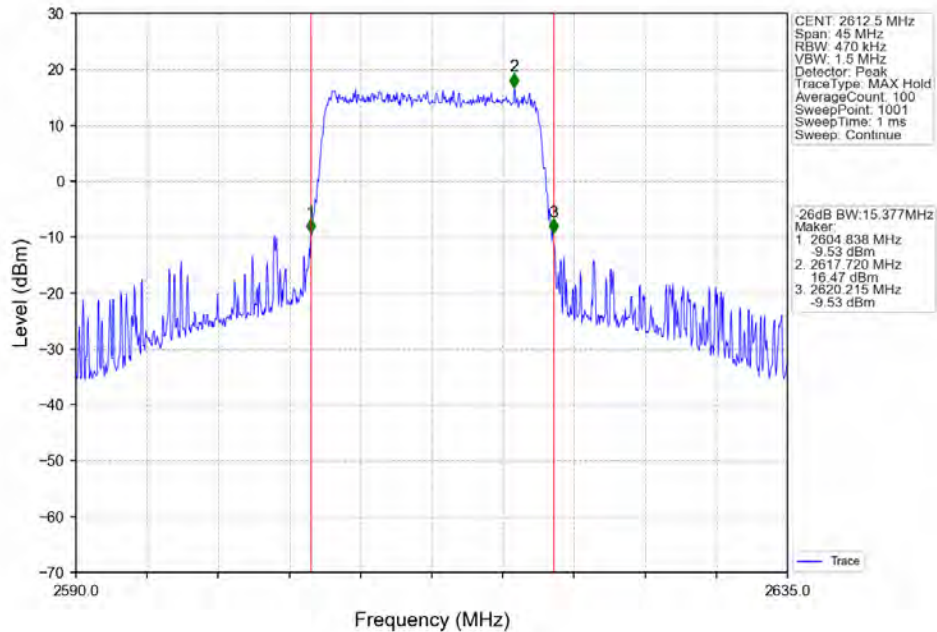
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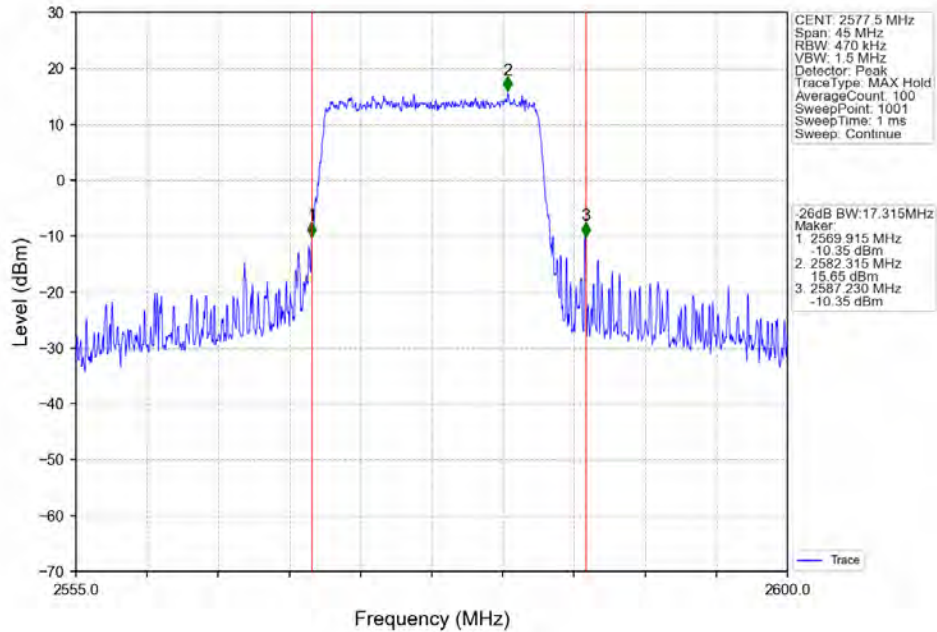
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Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



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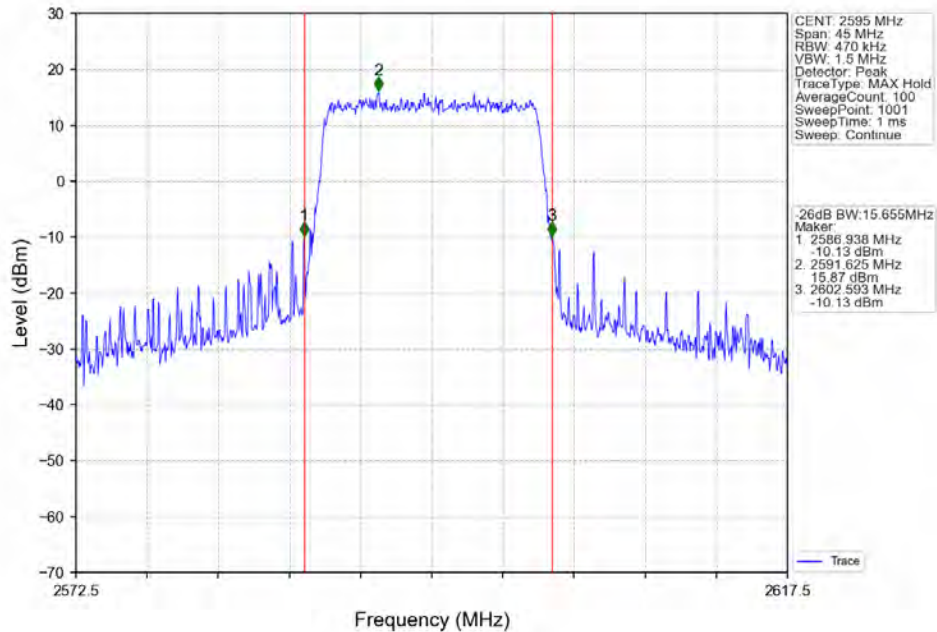
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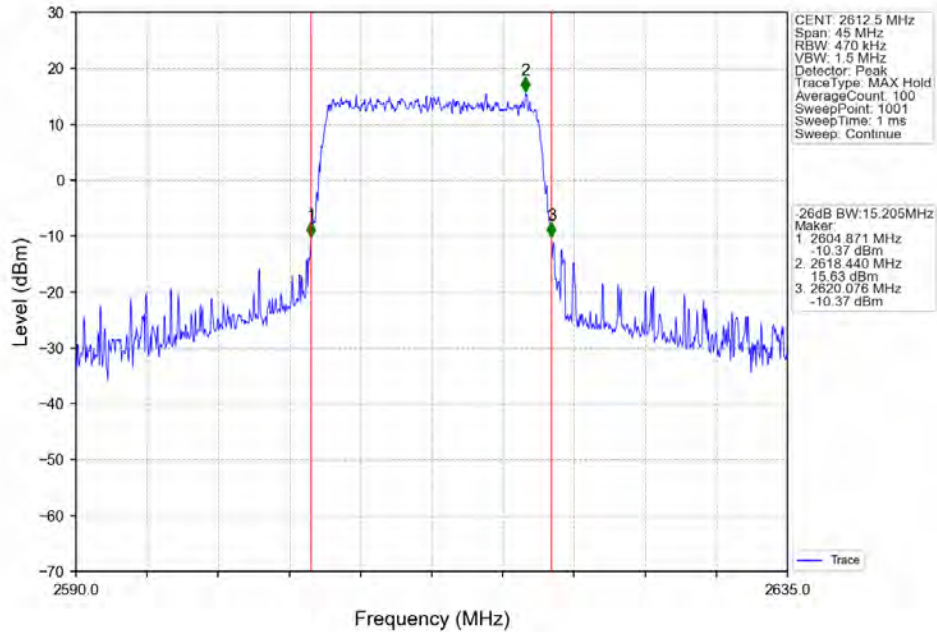
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Band38_15MHz_256QAM_LCH_2577.5MHz_RB_75_0_NTNV



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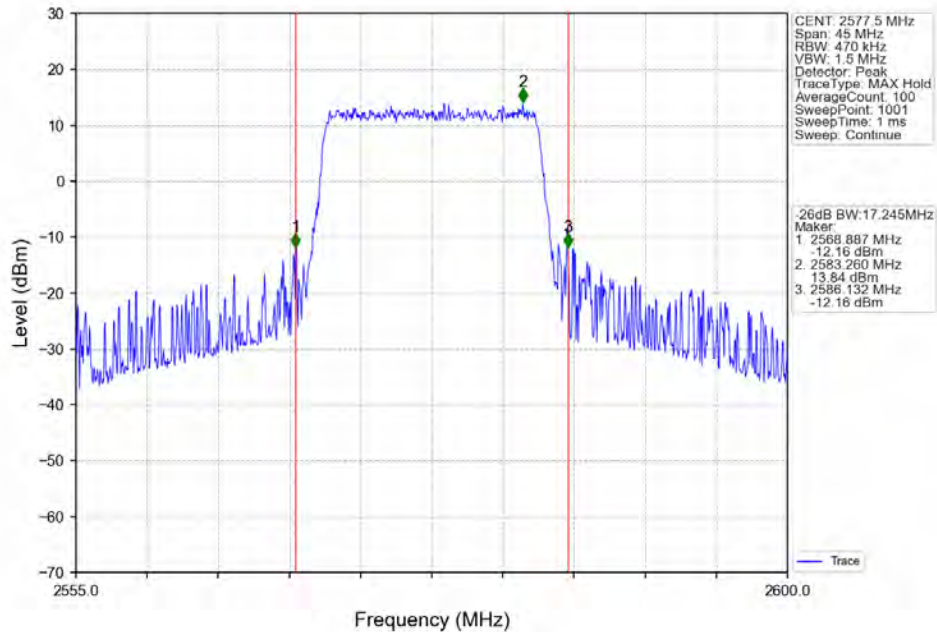
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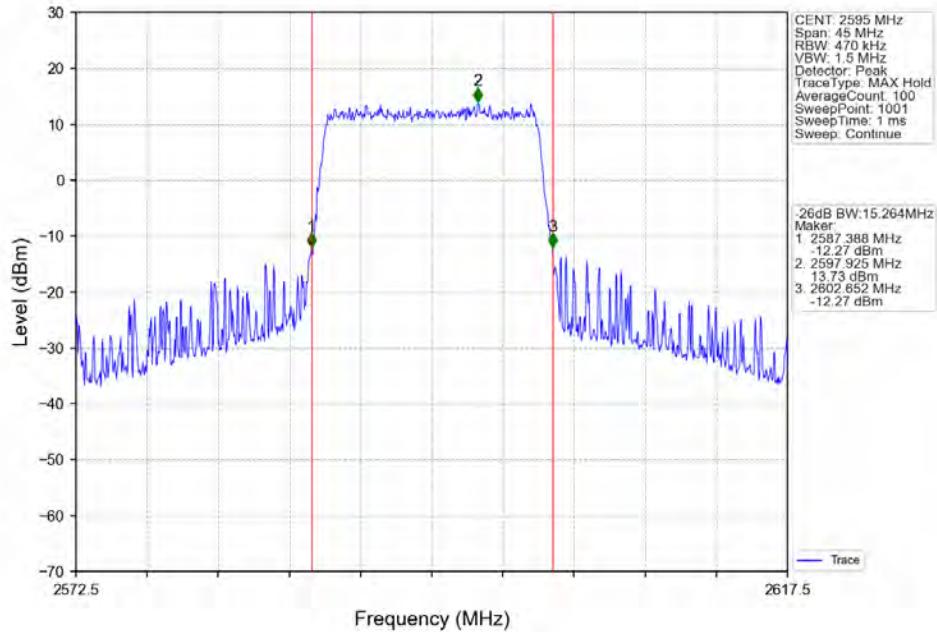
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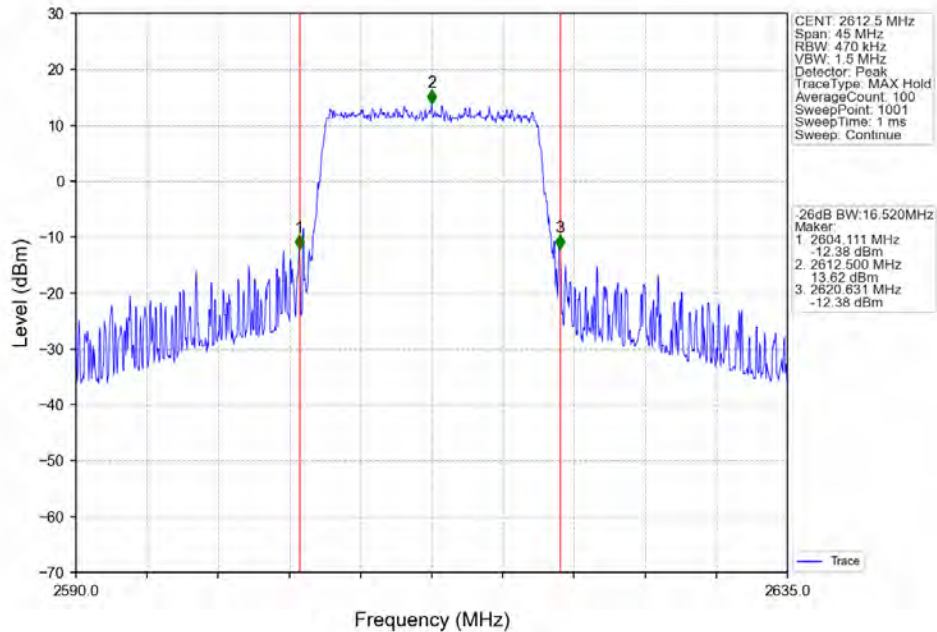
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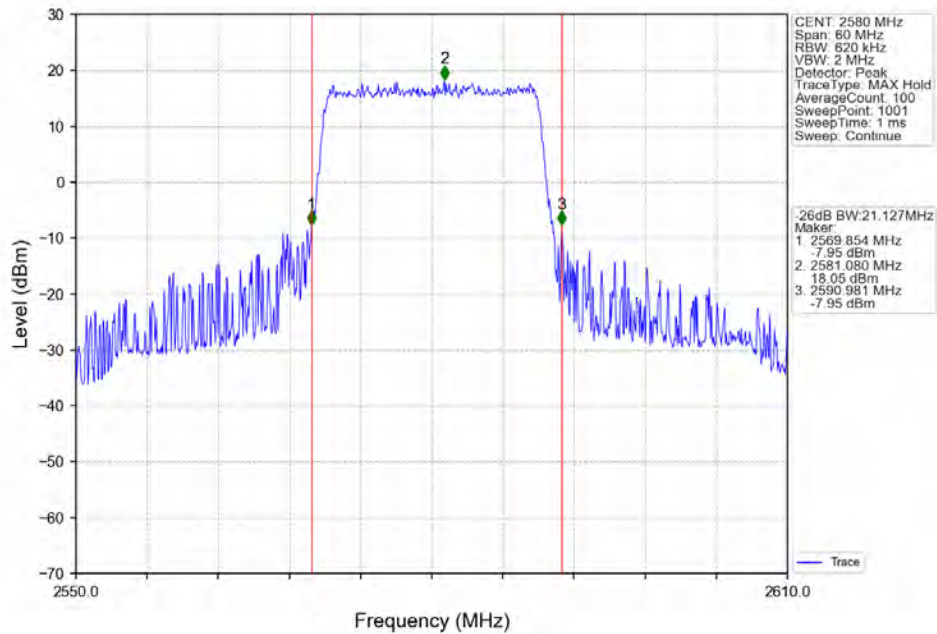
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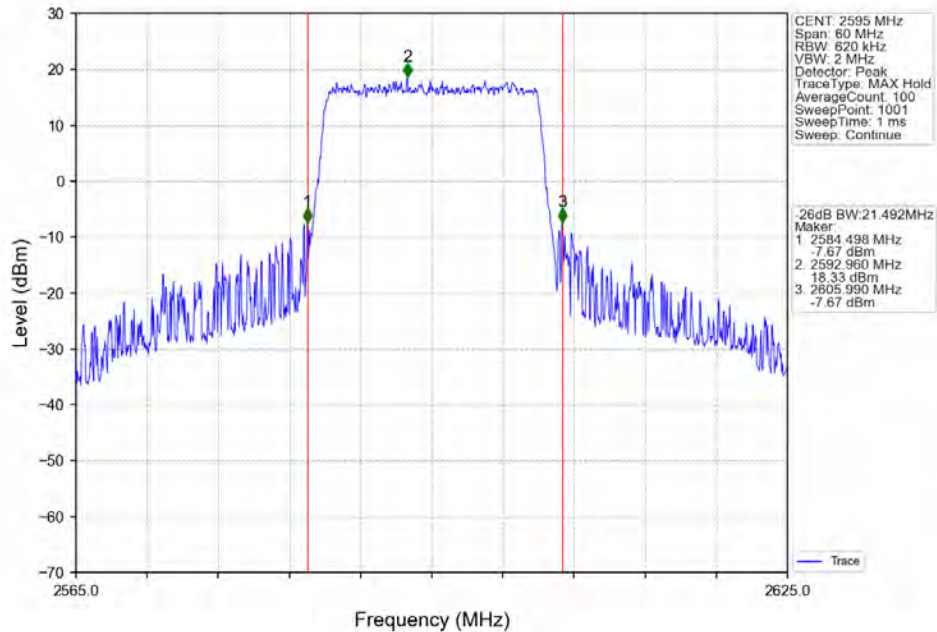
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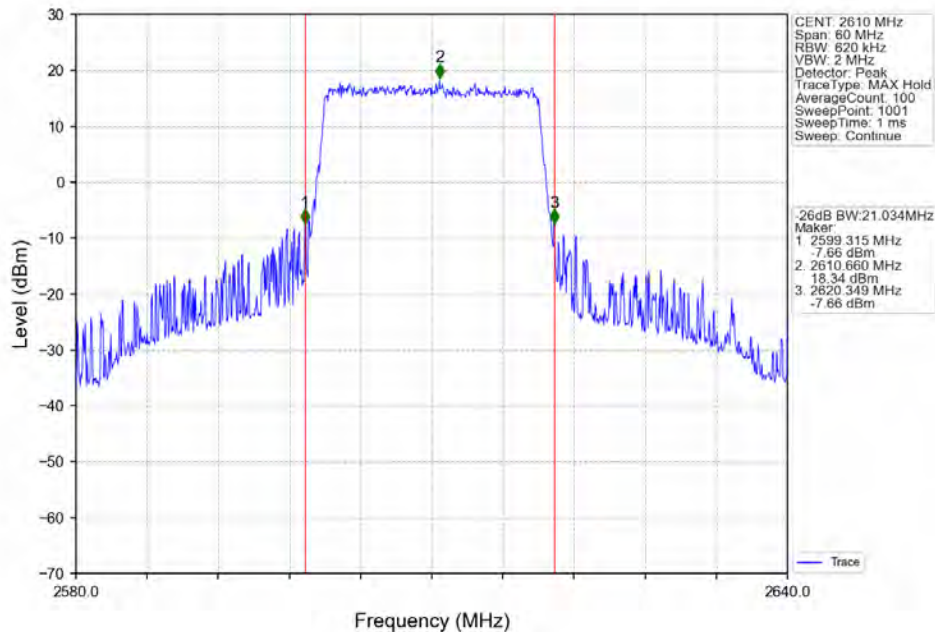
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Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



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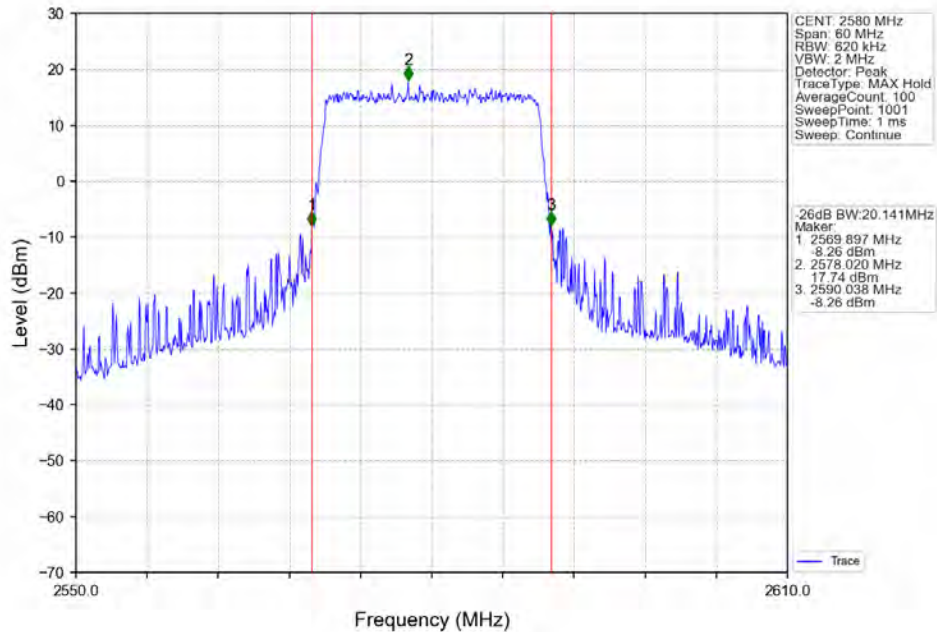
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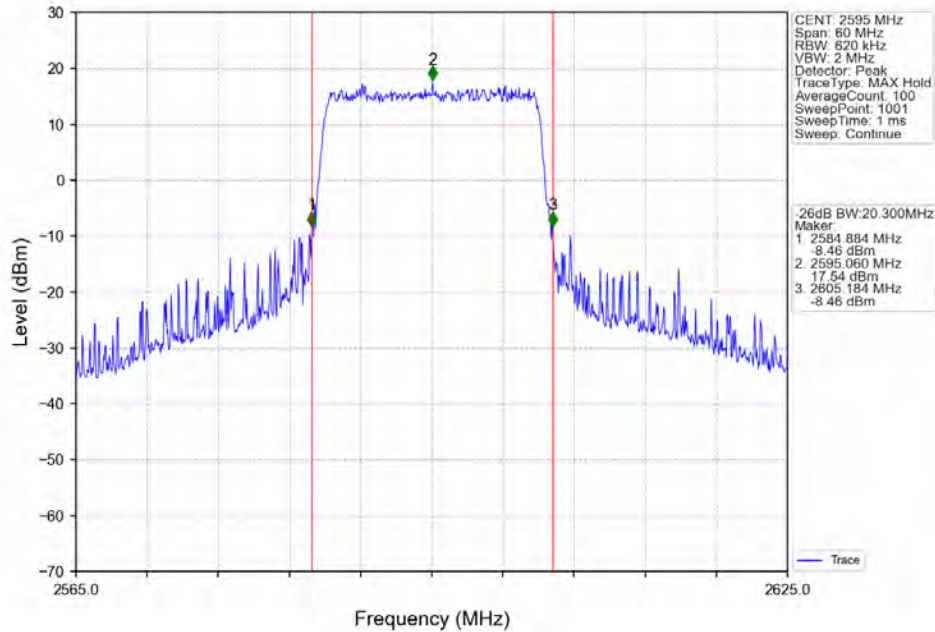
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Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



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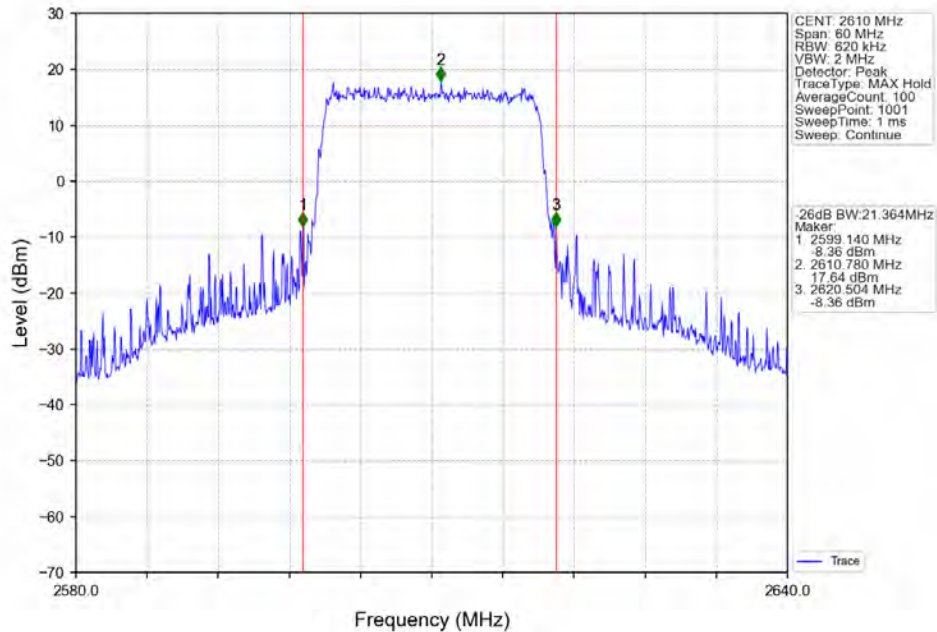
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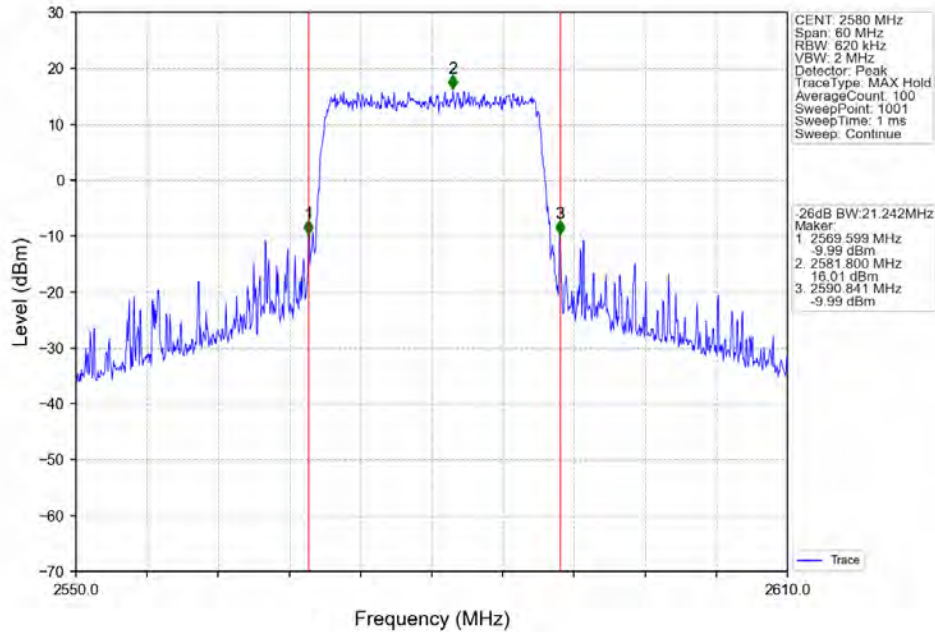
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Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



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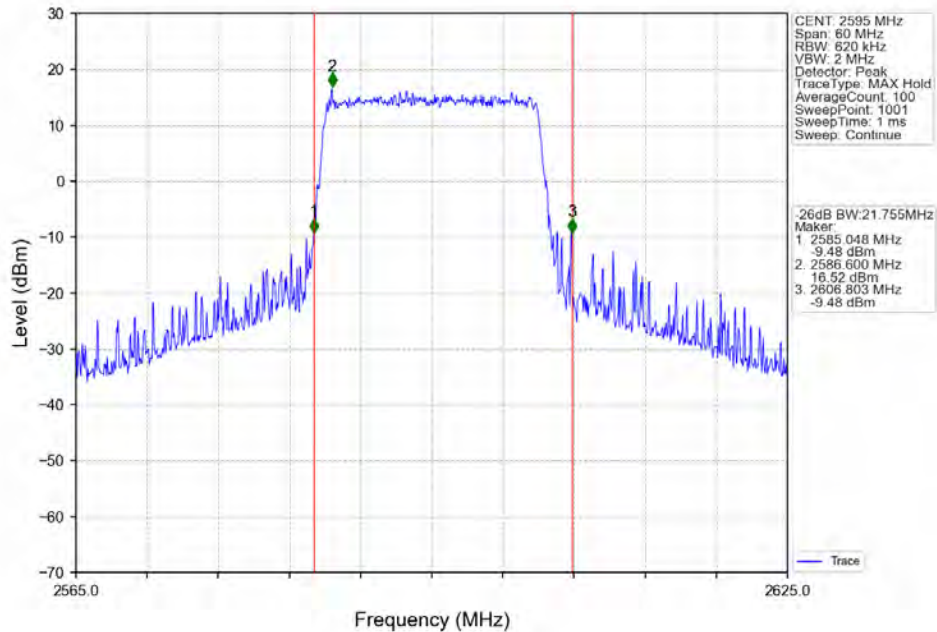
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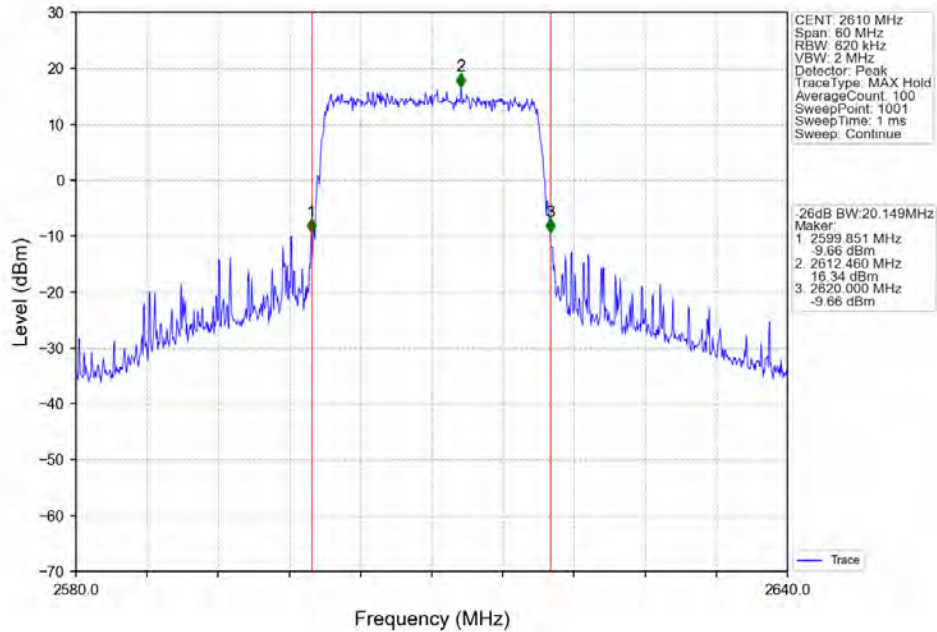
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Band38_20MHz_256QAM_LCH_2580MHz_RB_100_0_NTNV



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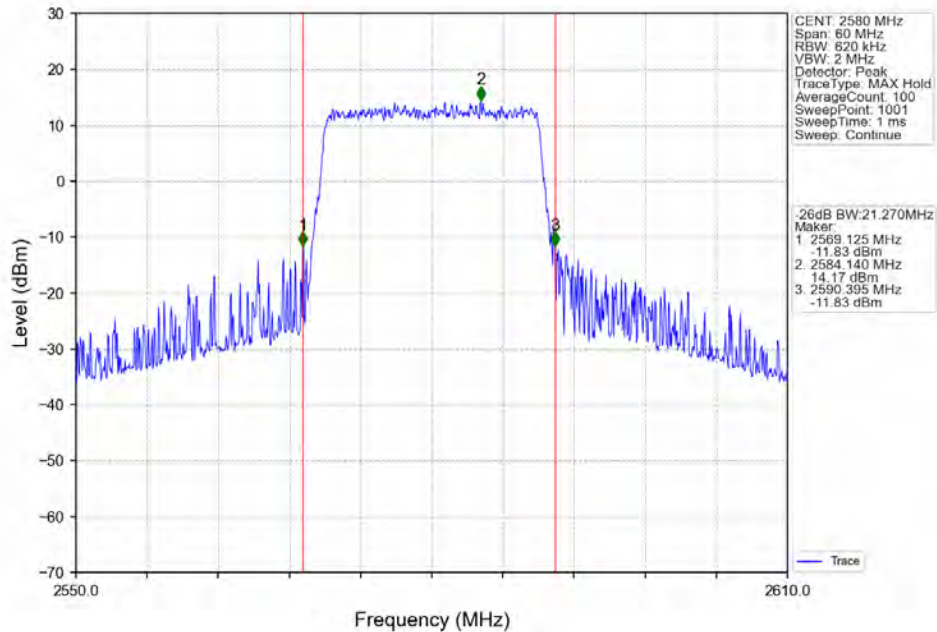
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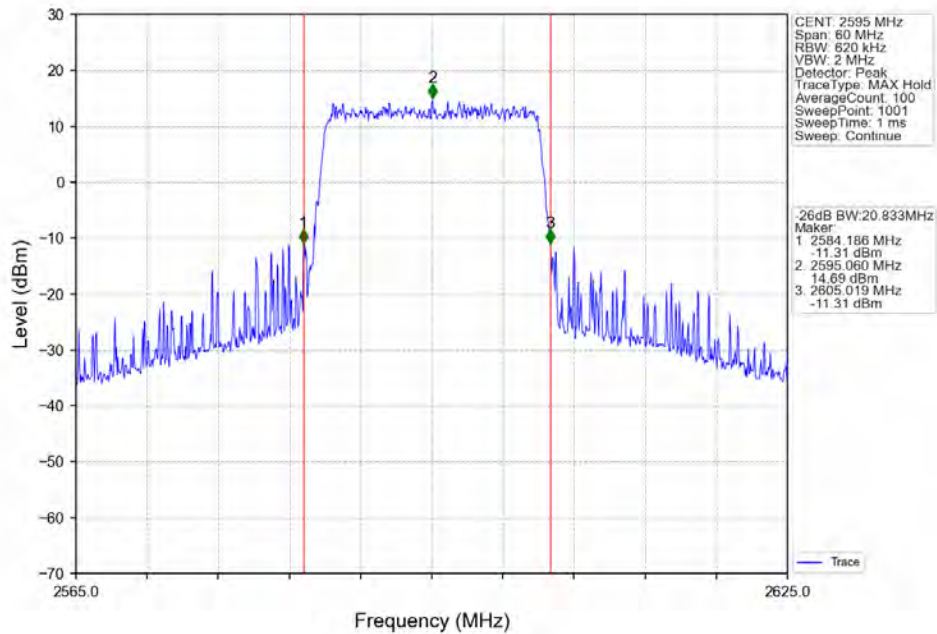
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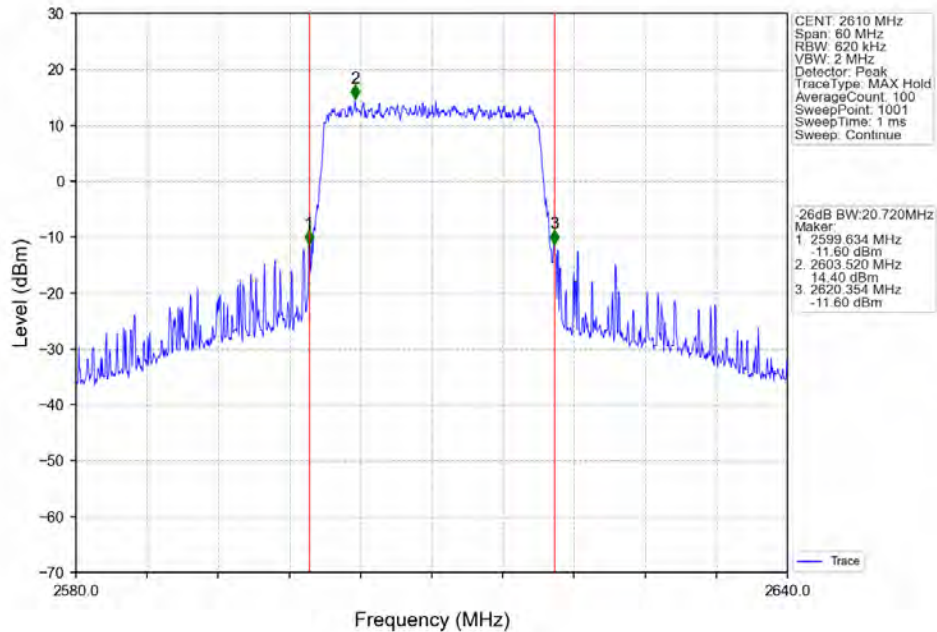
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5. Peak-Average Ratio

5.1 B38_5MHz

5.1.1 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	7.26	<=13	Pass
	2595	25	0	7.03	<=13	Pass
	2617.5	25	0	7.33	<=13	Pass
16QAM	2572.5	25	0	8.21	<=13	Pass
	2595	25	0	8.32	<=13	Pass
	2617.5	25	0	8.45	<=13	Pass
64QAM	2572.5	25	0	8.73	<=13	Pass
	2595	25	0	8.79	<=13	Pass
	2617.5	25	0	8.76	<=13	Pass
256QAM	2572.5	25	0	8.71	<=13	Pass
	2595	25	0	8.85	<=13	Pass
	2617.5	25	0	8.89	<=13	Pass



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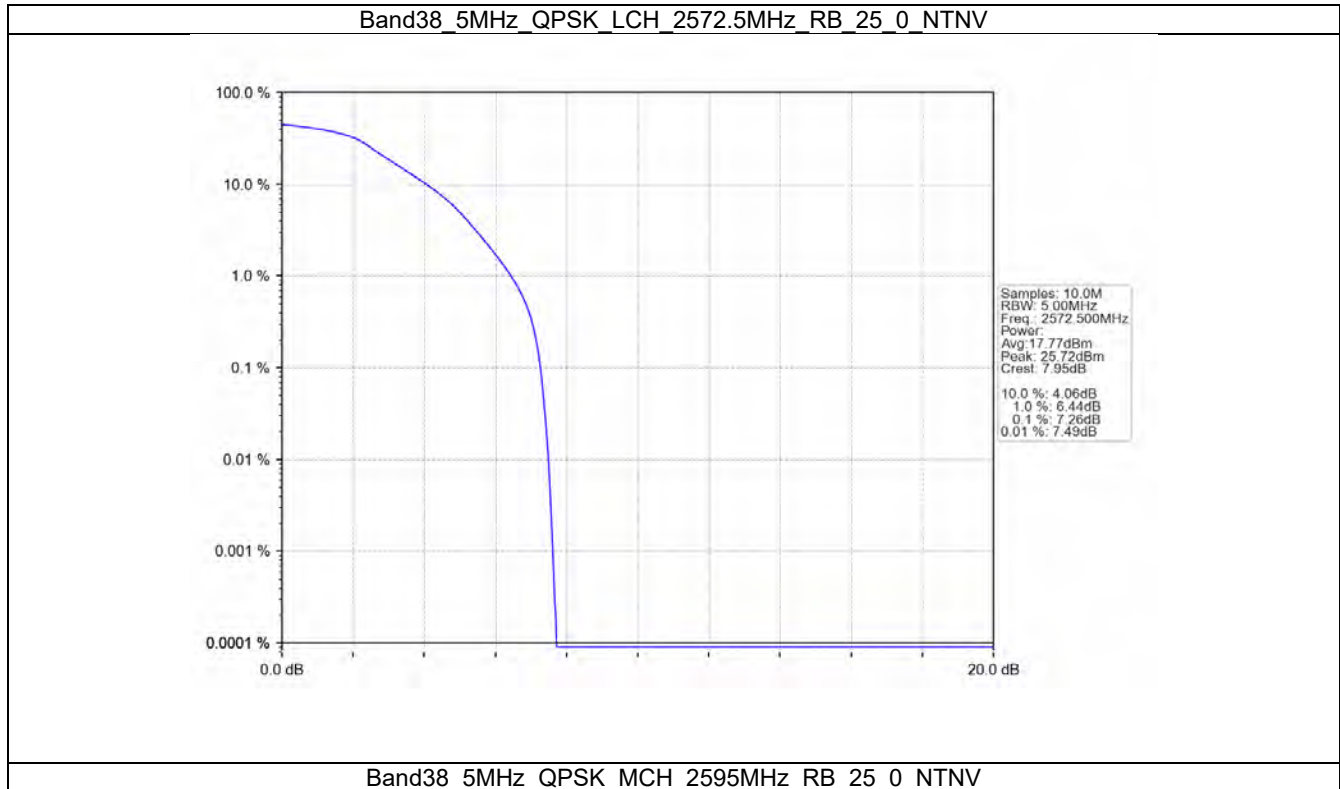
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5.1.2 Test Graph



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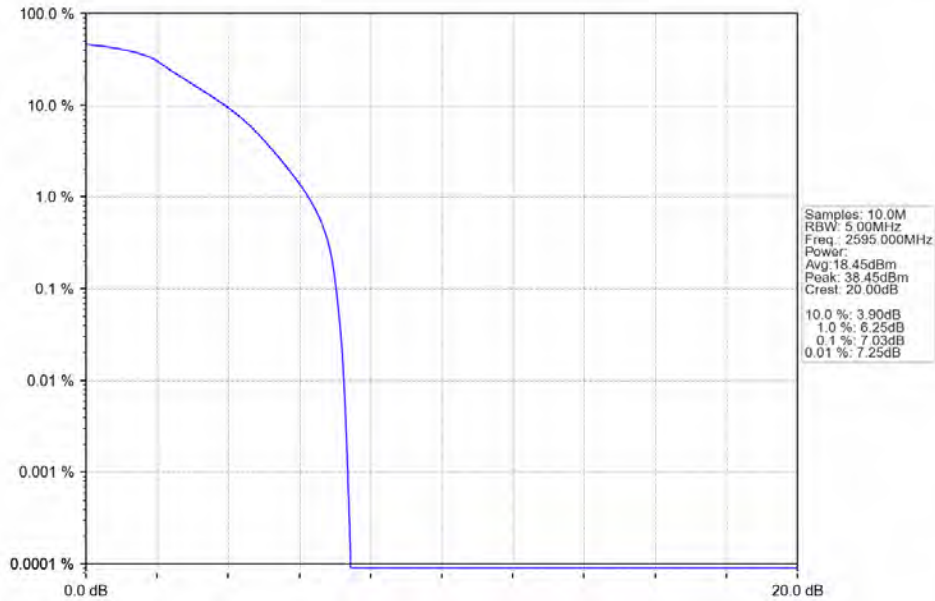
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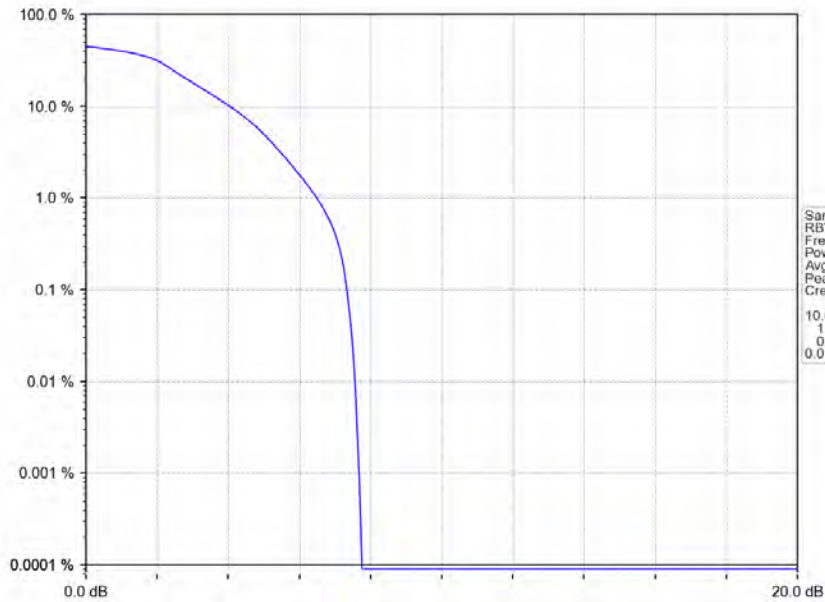
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Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



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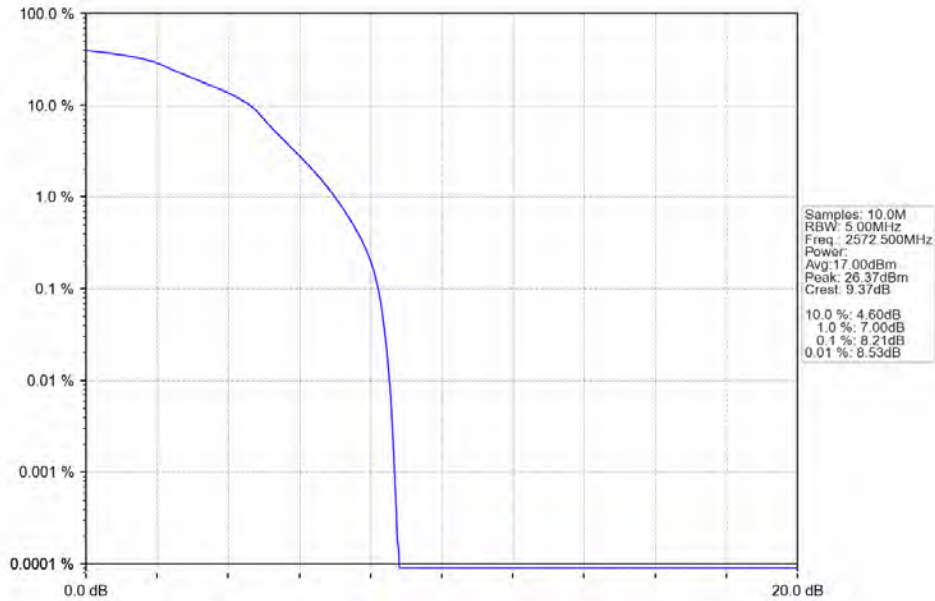
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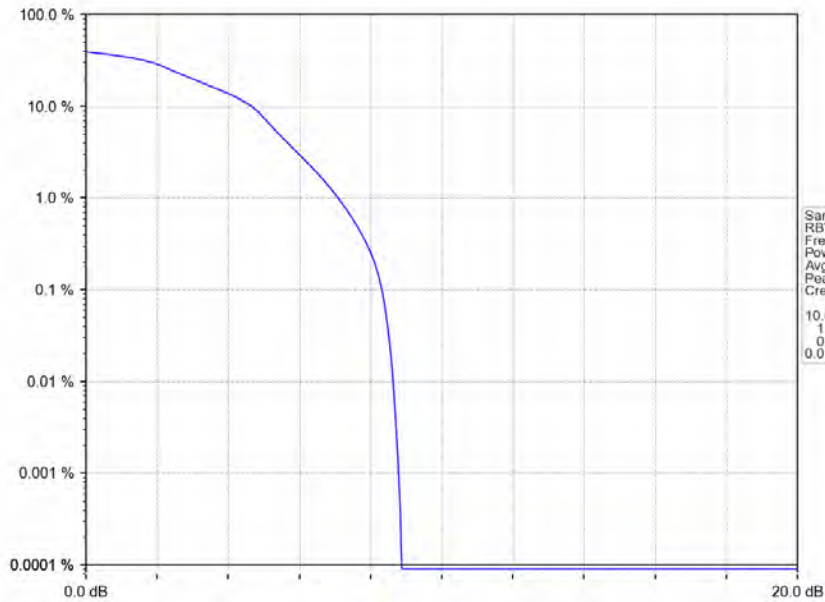
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Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



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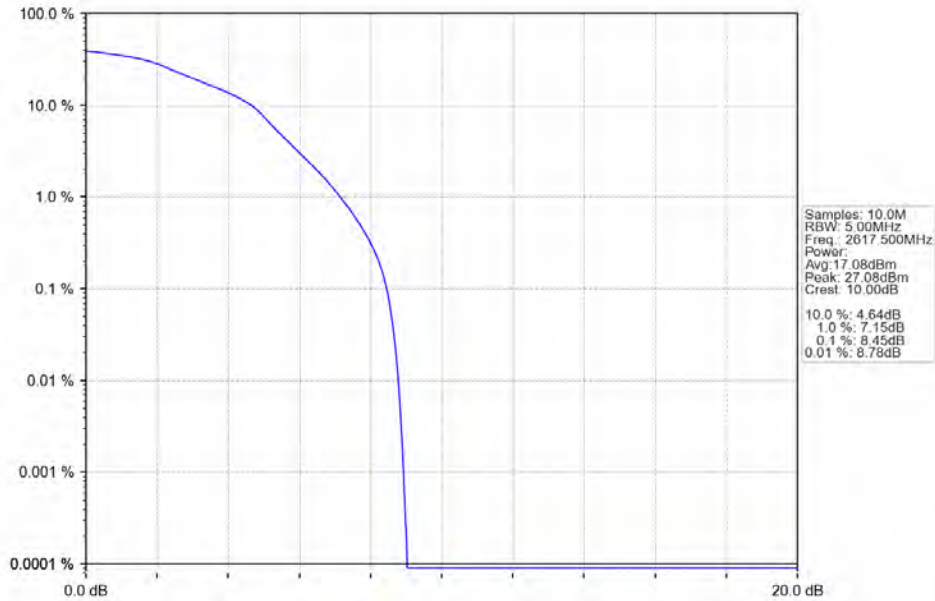
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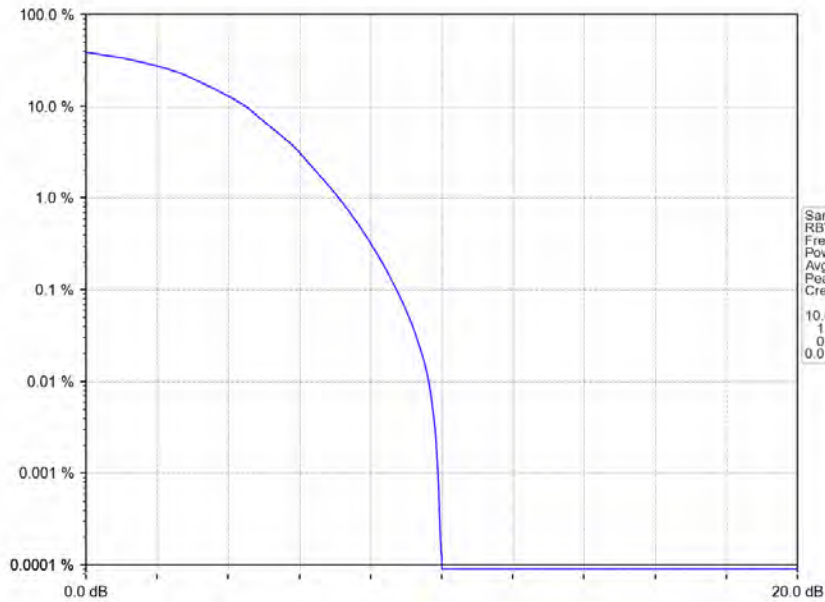
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Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



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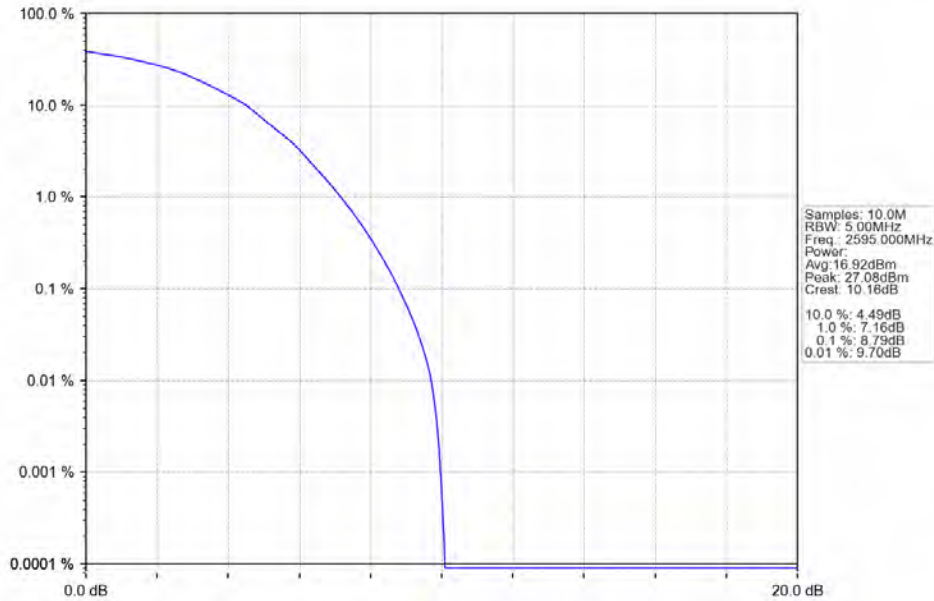
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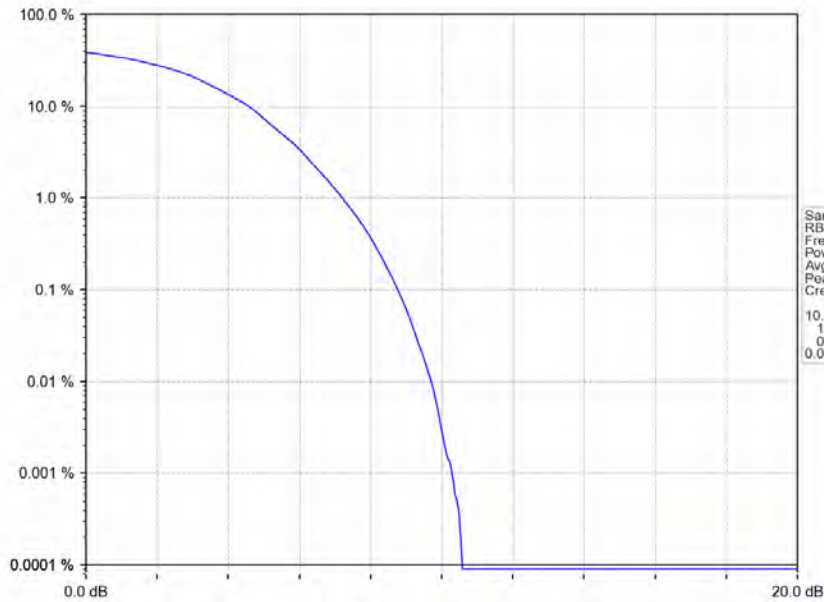
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Band38_5MHz_256QAM_LCH_2572.5MHz_RB_25_0_NTNV



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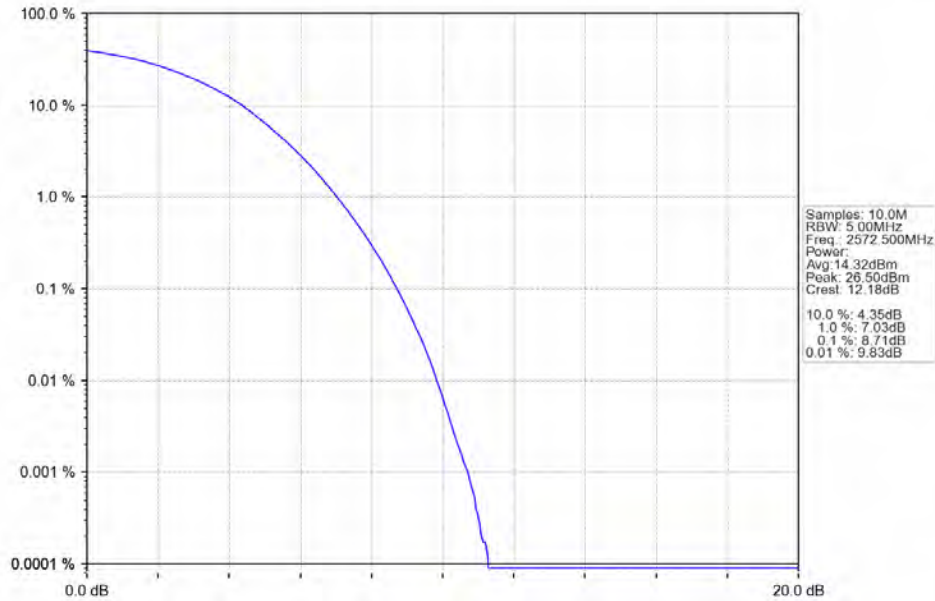
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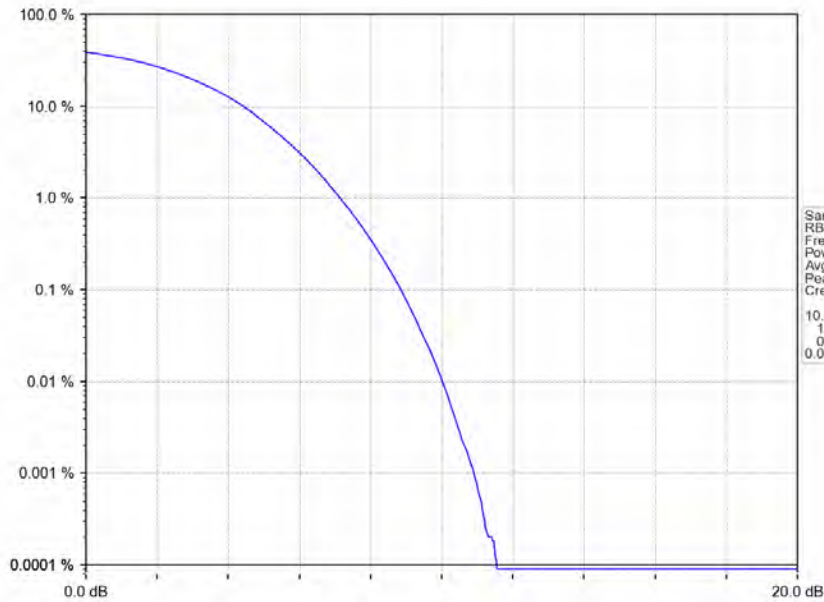
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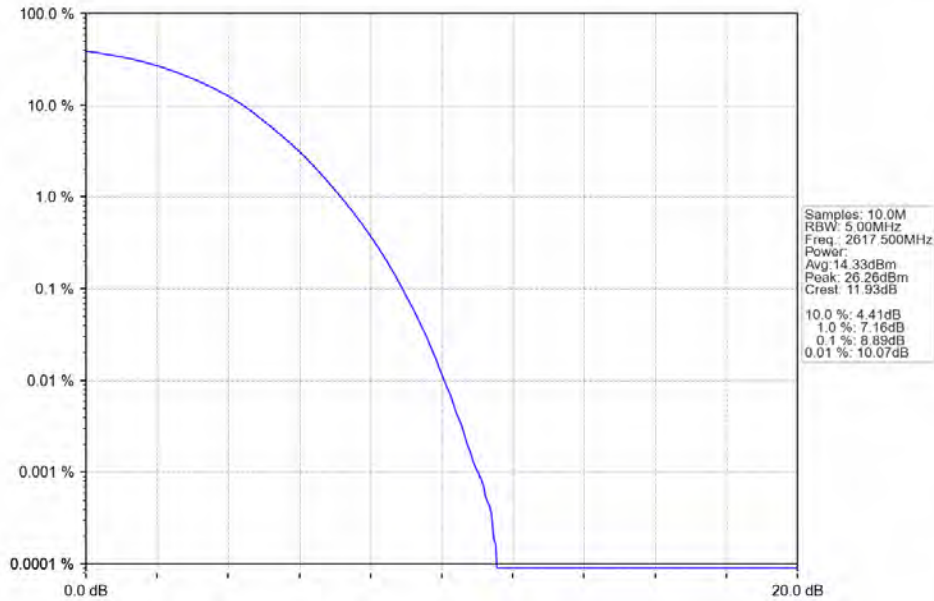
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5.2 B38_10MHz

5.2.1 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	7.08	<=13	Pass
	2595	50	0	7.08	<=13	Pass
	2615	50	0	7.22	<=13	Pass
16QAM	2575	50	0	8.13	<=13	Pass
	2595	50	0	8.15	<=13	Pass
	2615	50	0	8.23	<=13	Pass
64QAM	2575	50	0	8.42	<=13	Pass
	2595	50	0	8.66	<=13	Pass
	2615	50	0	8.79	<=13	Pass
256QAM	2575	50	0	8.89	<=13	Pass
	2595	50	0	8.85	<=13	Pass
	2615	50	0	8.86	<=13	Pass



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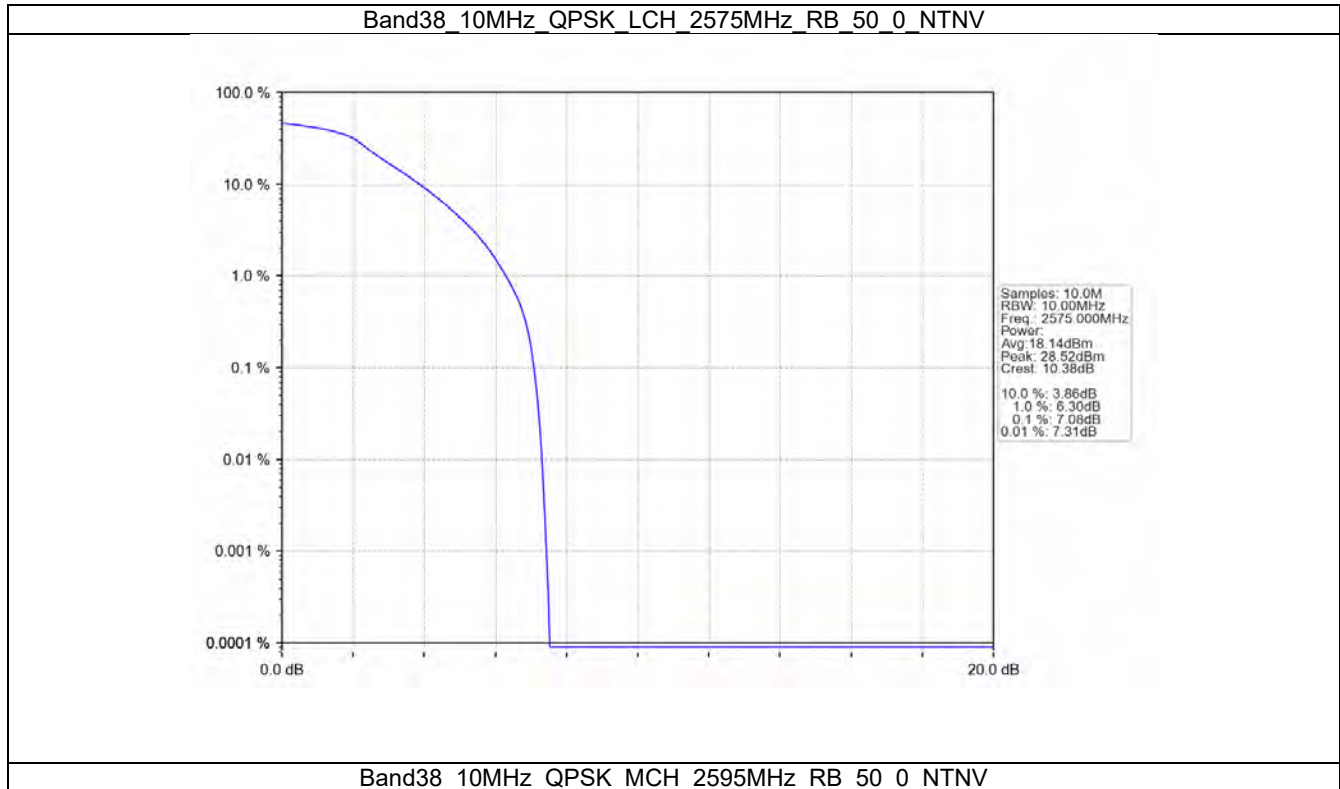
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5.2.2 Test Graph



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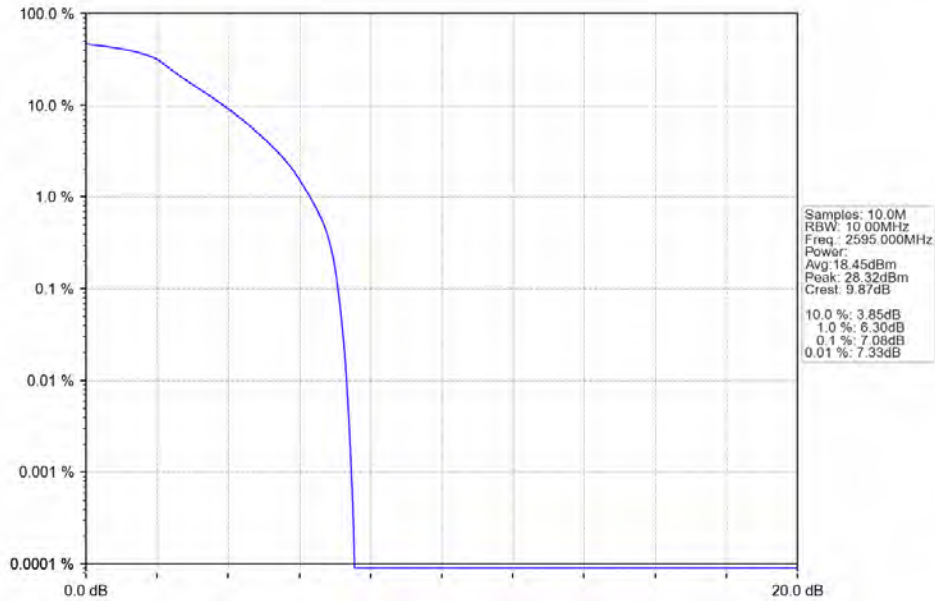
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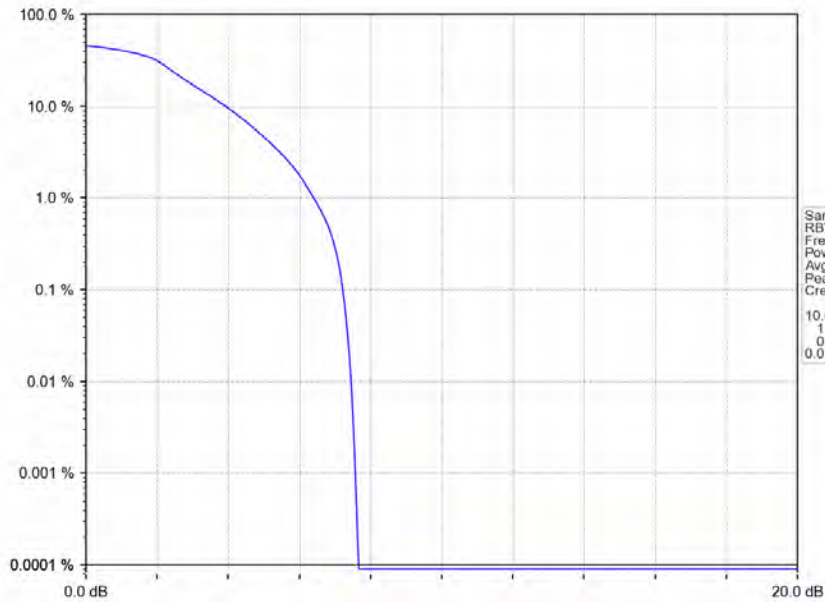
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Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Samples: 10.0M
RBW: 10.00MHz
Freq: 2615.000MHz
Power:
Avg: 18.25dBm
Peak: 27.49dBm
Crest: 9.24dB
10.0 %: 3.92dB
1.0 %: 6.40dB
0.1 %: 7.22dB
0.01 %: 7.45dB

Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



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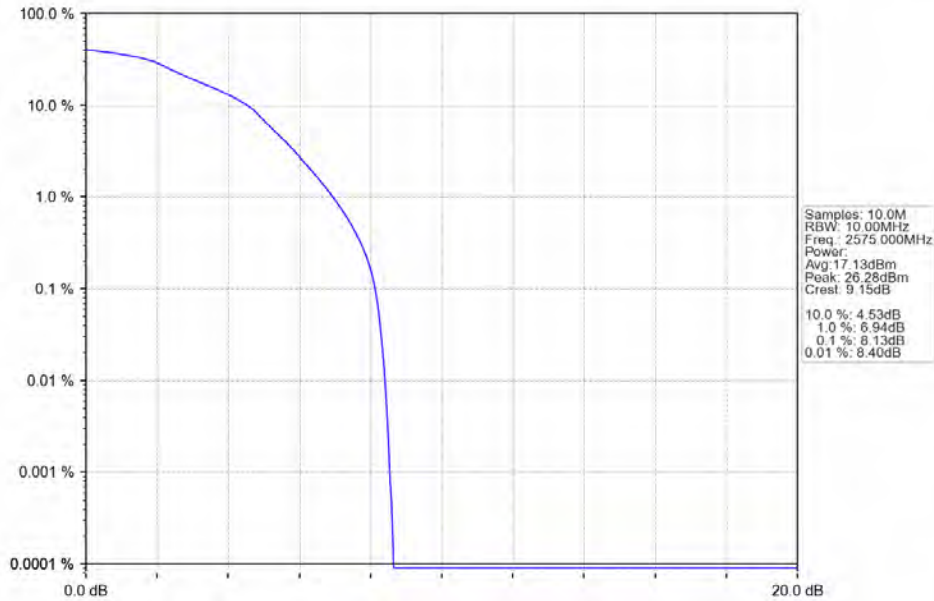
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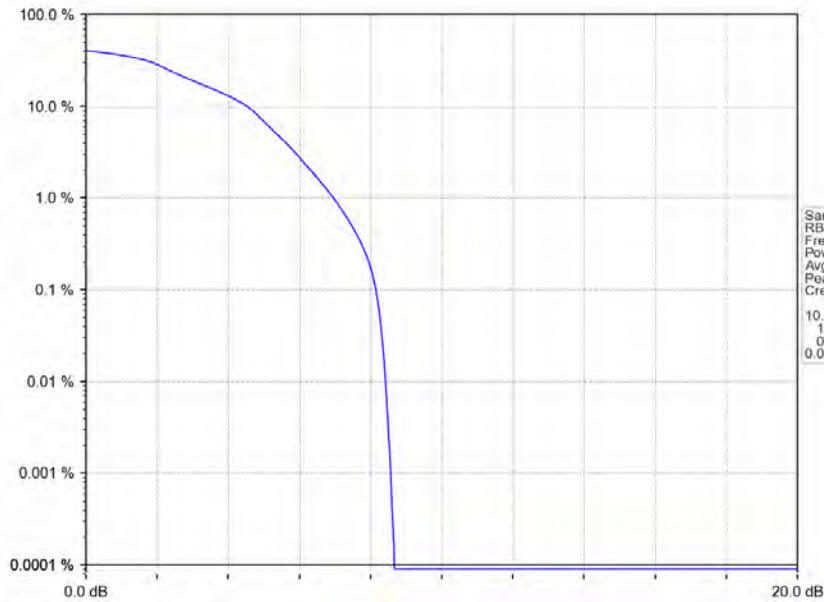
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Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTN



Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTN



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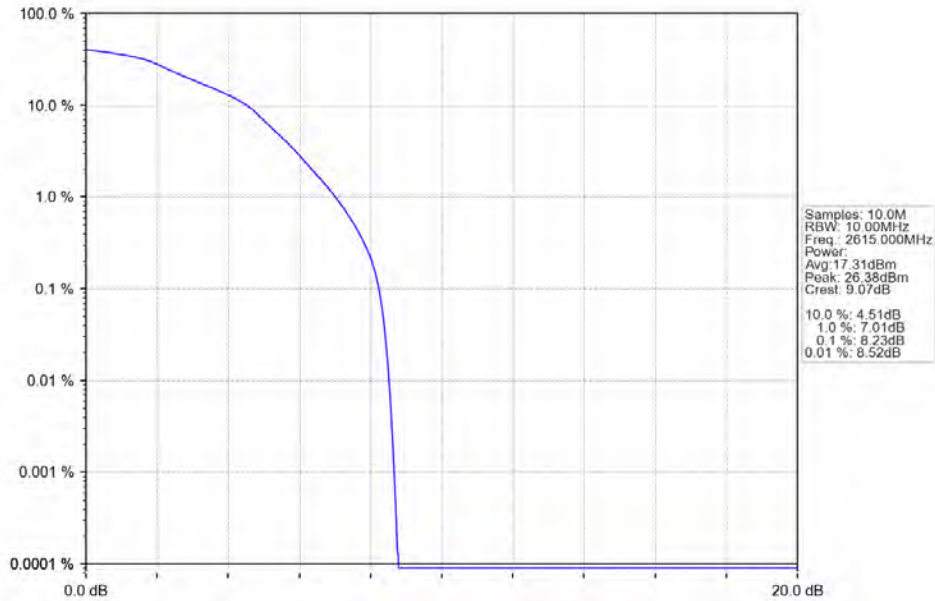
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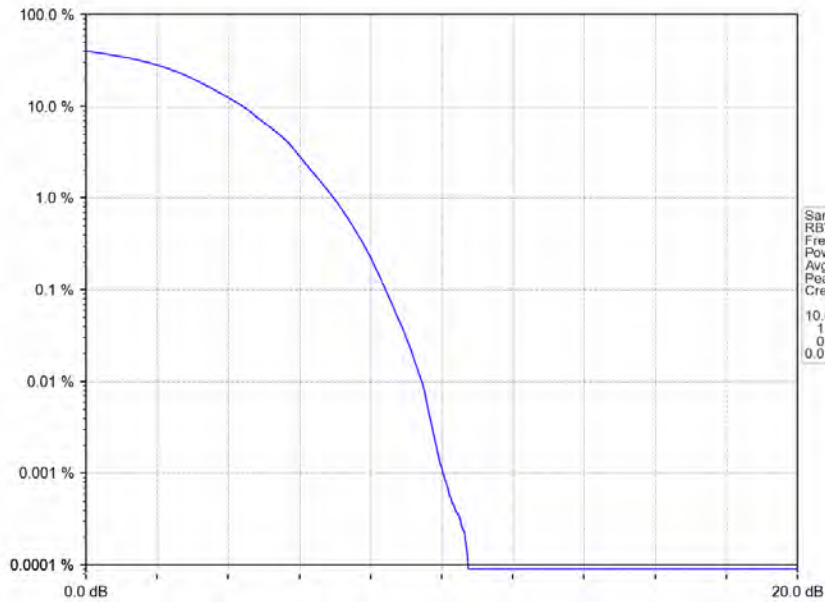
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Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV



Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



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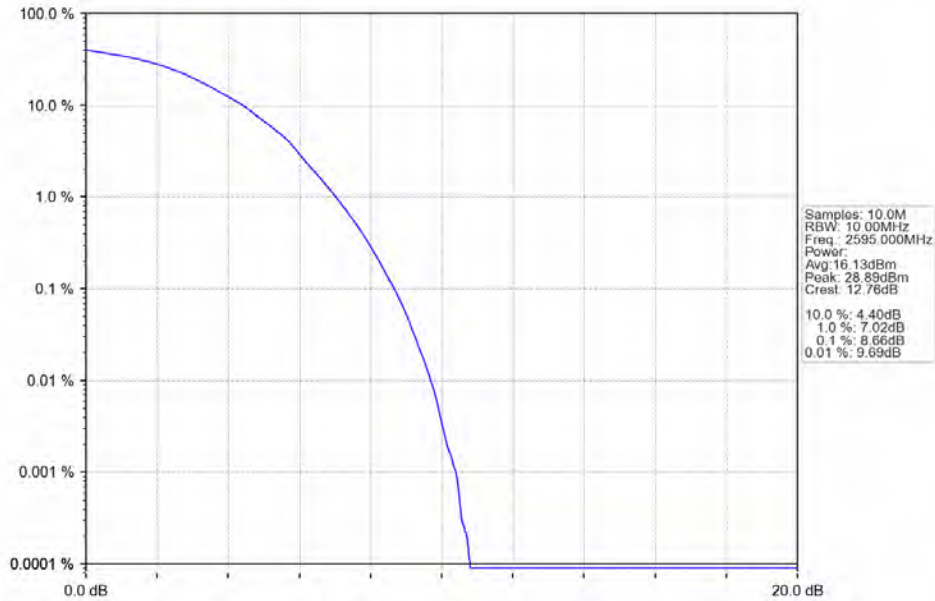
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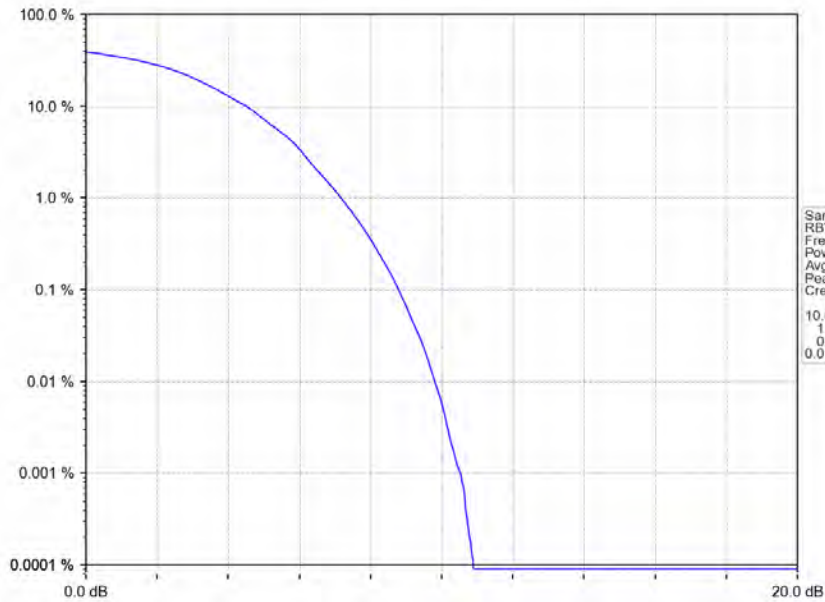
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Band38 10MHz 64QAM HCH 2615MHz RB 50 0 NTN



Band38 10MHz 256QAM LCH 2575MHz RB 50 0 NTN



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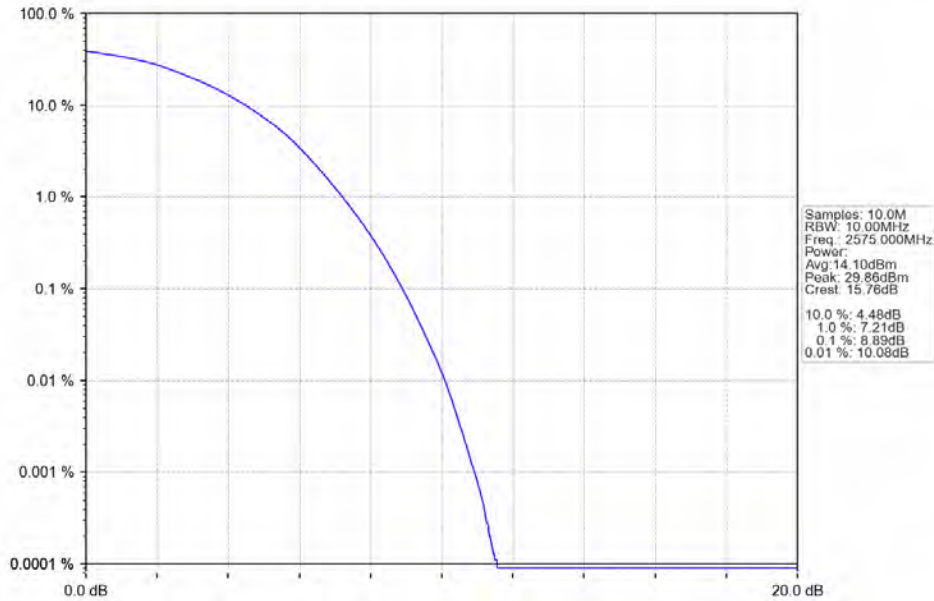
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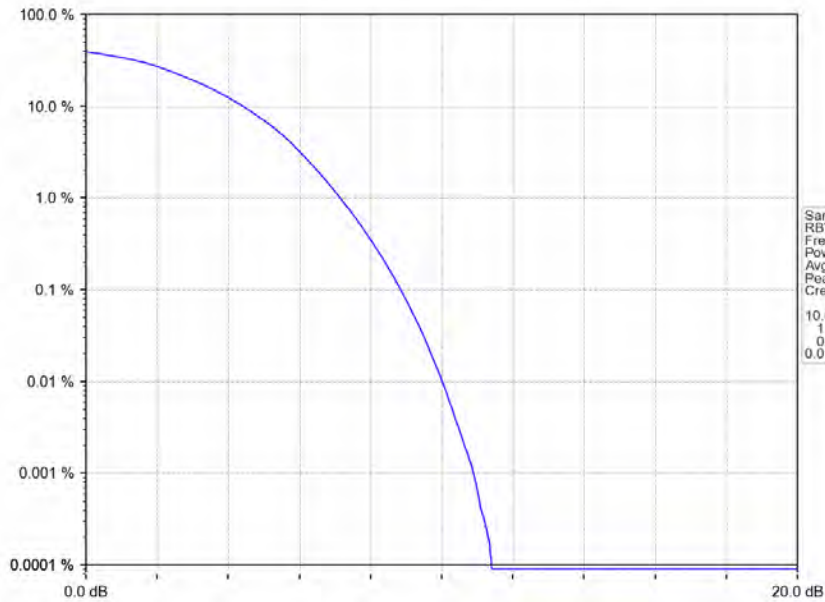
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Band38_10MHz_256QAM_HCH_2615MHz_RB_50_0_NTNV



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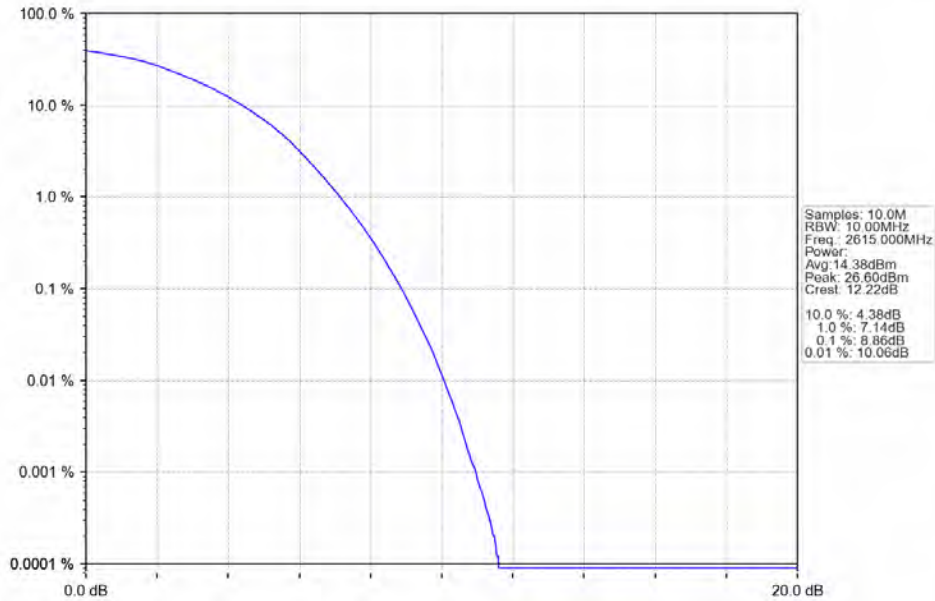
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5.3 B38_15MHz

5.3.1 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	6.93	<=13	Pass
	2595	75	0	7.18	<=13	Pass
	2612.5	75	0	7.23	<=13	Pass
16QAM	2577.5	75	0	8.08	<=13	Pass
	2595	75	0	8.45	<=13	Pass
	2612.5	75	0	8.64	<=13	Pass
64QAM	2577.5	75	0	8.54	<=13	Pass
	2595	75	0	8.63	<=13	Pass
	2612.5	75	0	8.84	<=13	Pass
256QAM	2577.5	75	0	8.97	<=13	Pass
	2595	75	0	9.06	<=13	Pass
	2612.5	75	0	9.03	<=13	Pass



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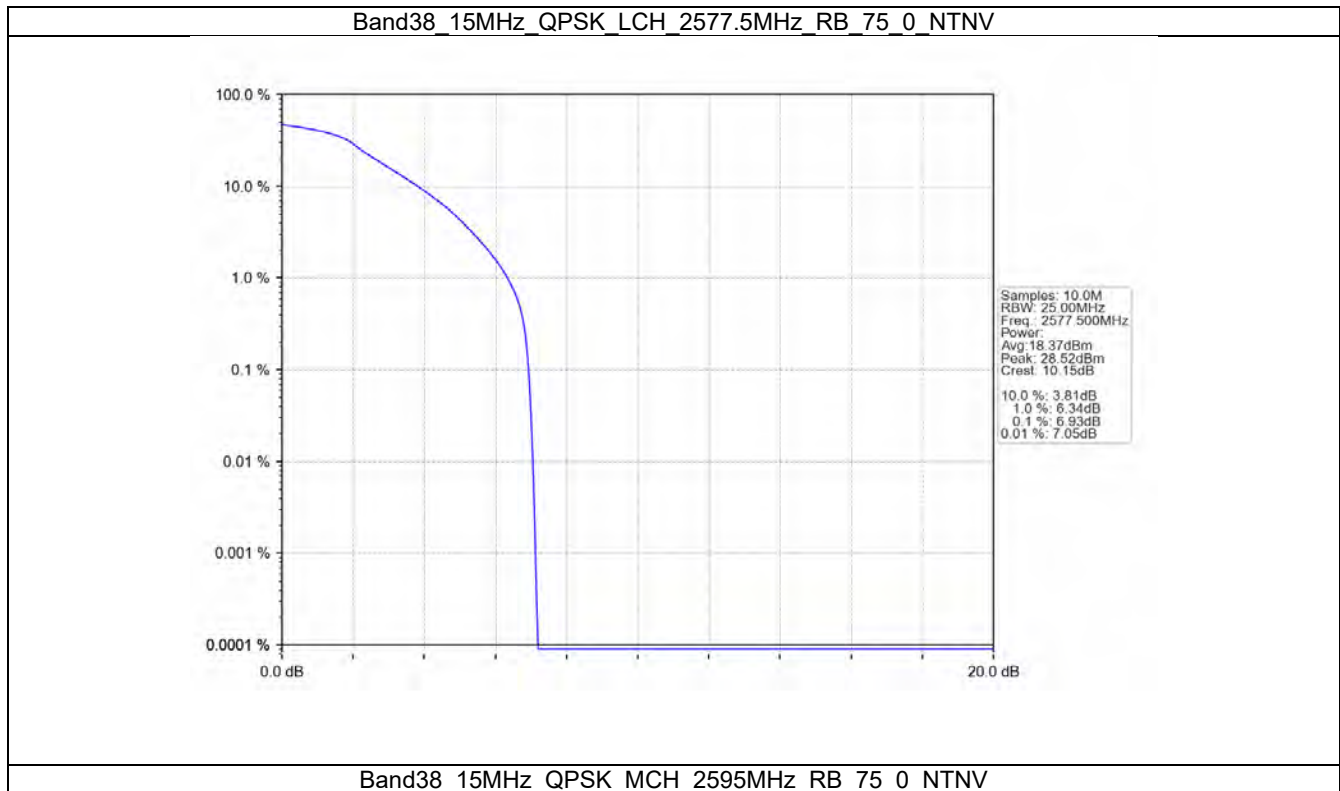
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5.3.2 Test Graph



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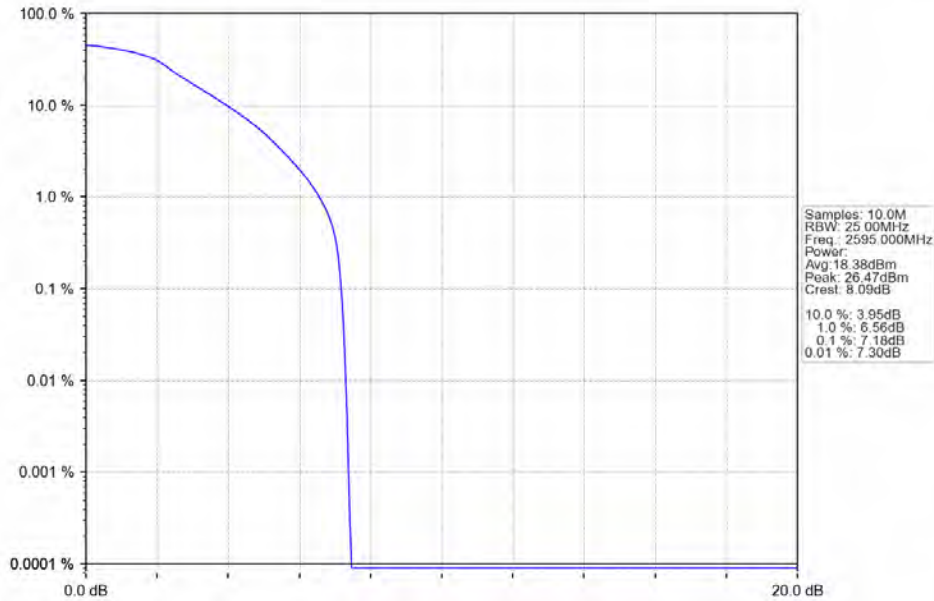
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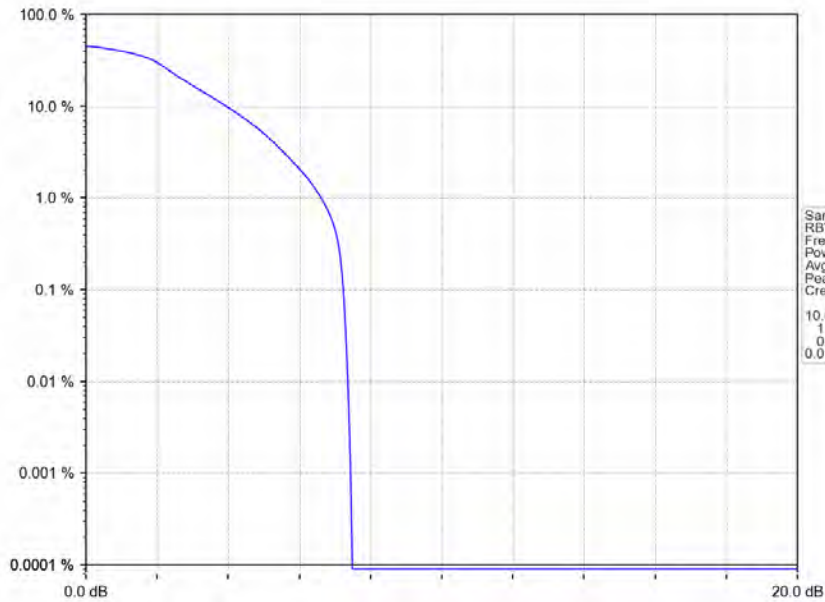
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Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



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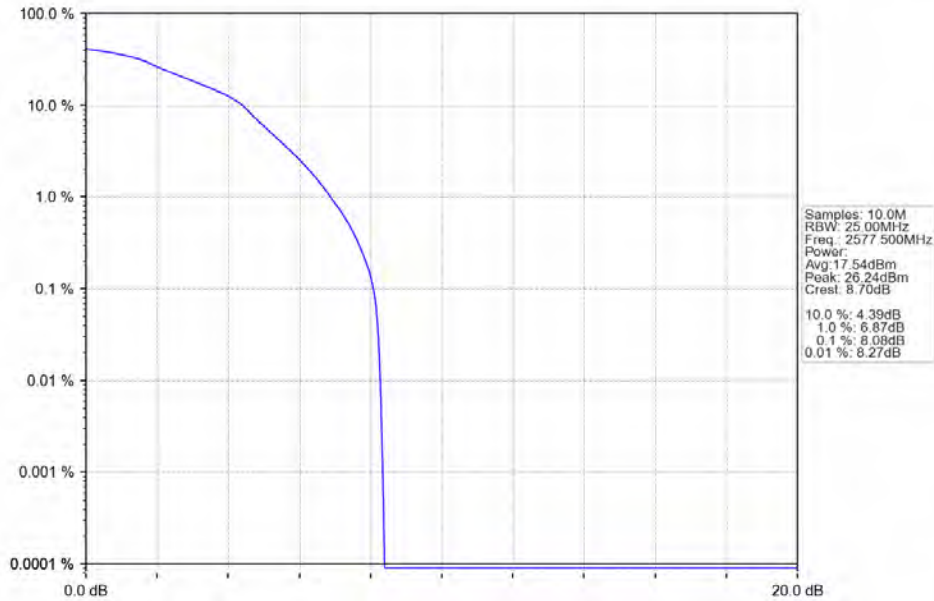
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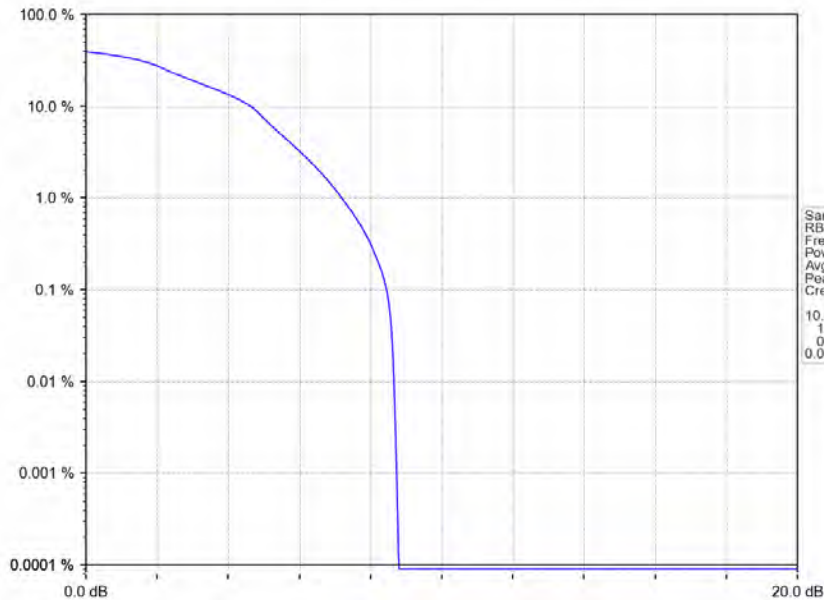
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Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



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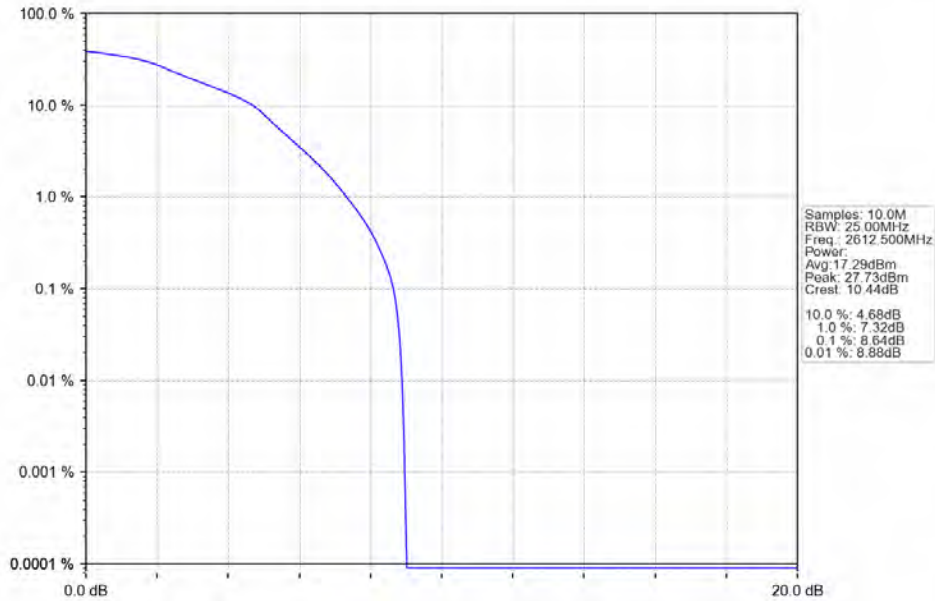
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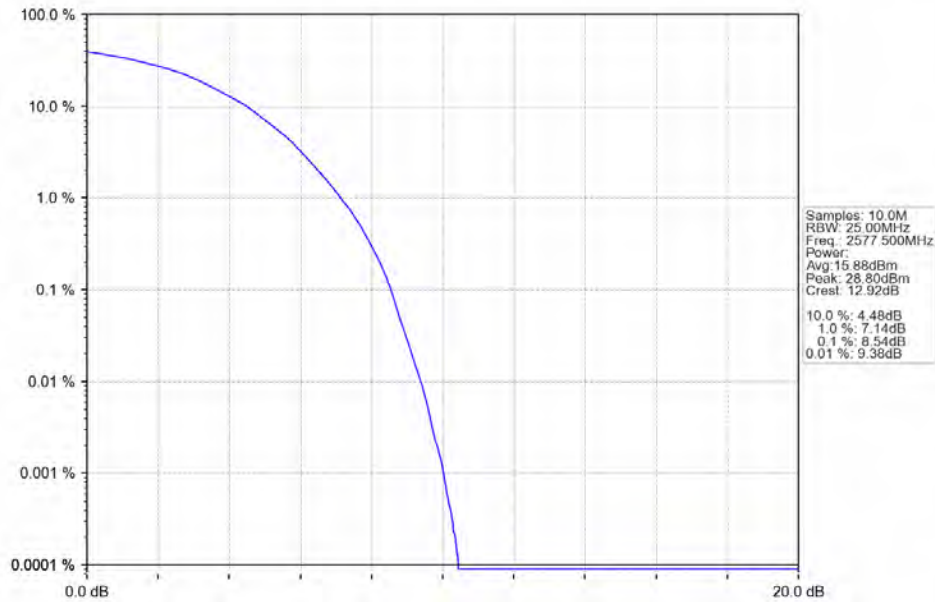
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Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



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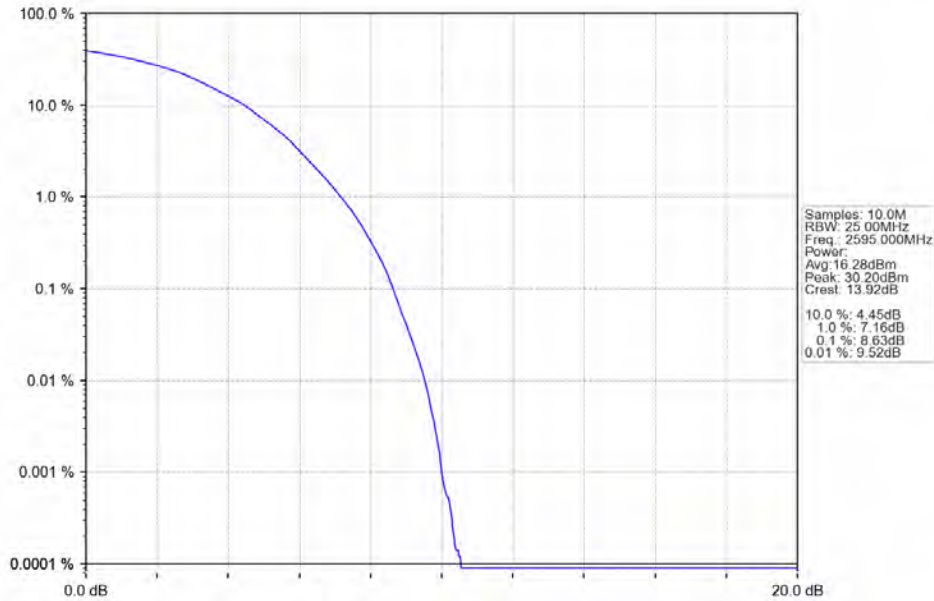
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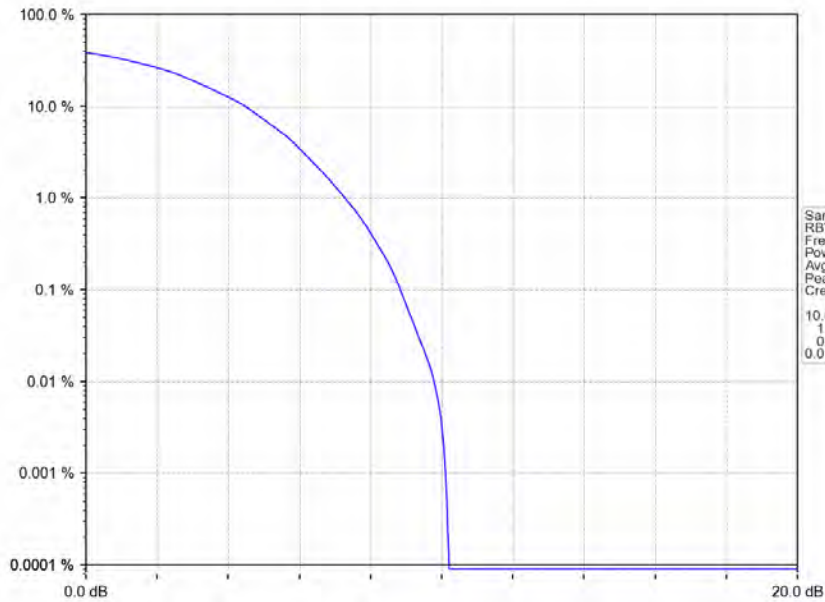
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Band38_15MHz_256QAM_LCH_2577.5MHz_RB_75_0_NTNV



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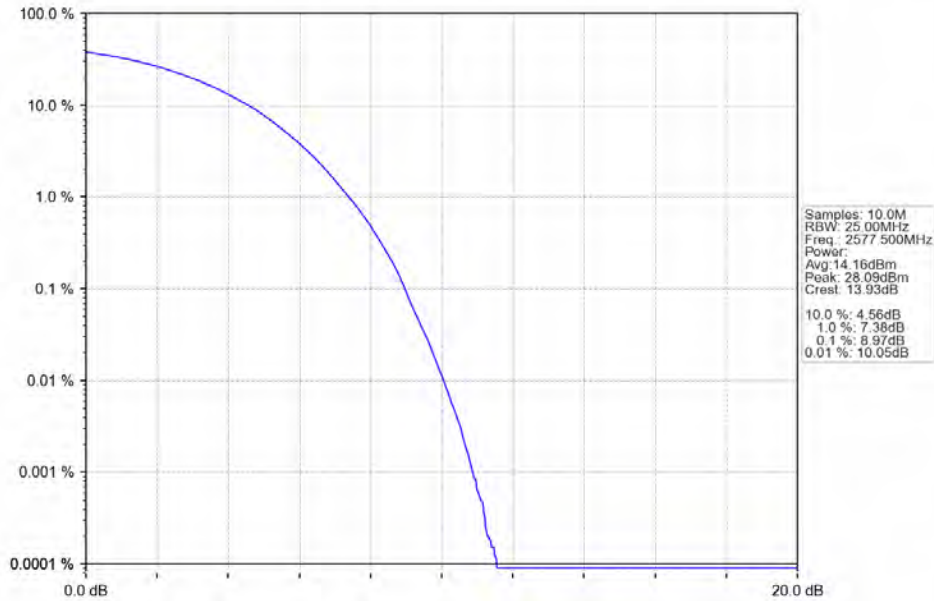
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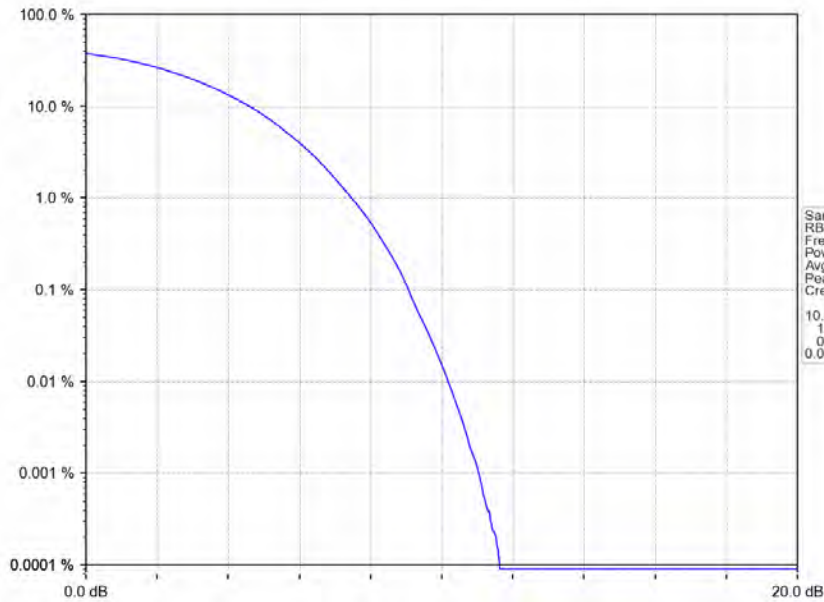
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Band38_15MHz_256QAM_HCH_2612.5MHz_RB_75_0_NTNV



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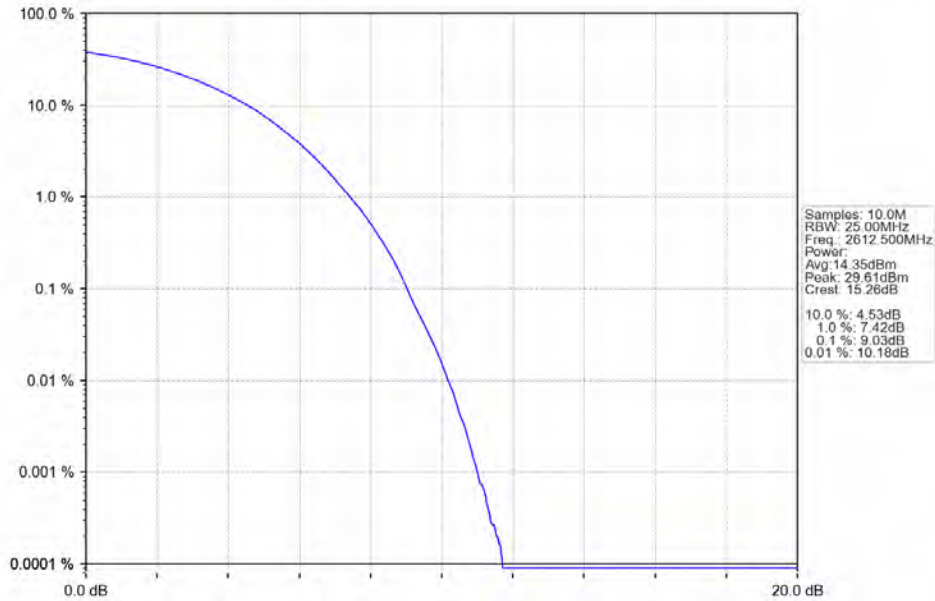
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5.4 B38_20MHz

5.4.1 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	6.86	<=13	Pass
	2595	100	0	6.96	<=13	Pass
	2610	100	0	7.41	<=13	Pass
16QAM	2580	100	0	7.98	<=13	Pass
	2595	100	0	8.10	<=13	Pass
	2610	100	0	8.56	<=13	Pass
64QAM	2580	100	0	12.37	<=13	Pass
	2595	100	0	8.81	<=13	Pass
	2610	100	0	8.58	<=13	Pass
256QAM	2580	100	0	9.02	<=13	Pass
	2595	100	0	8.79	<=13	Pass
	2610	100	0	8.84	<=13	Pass



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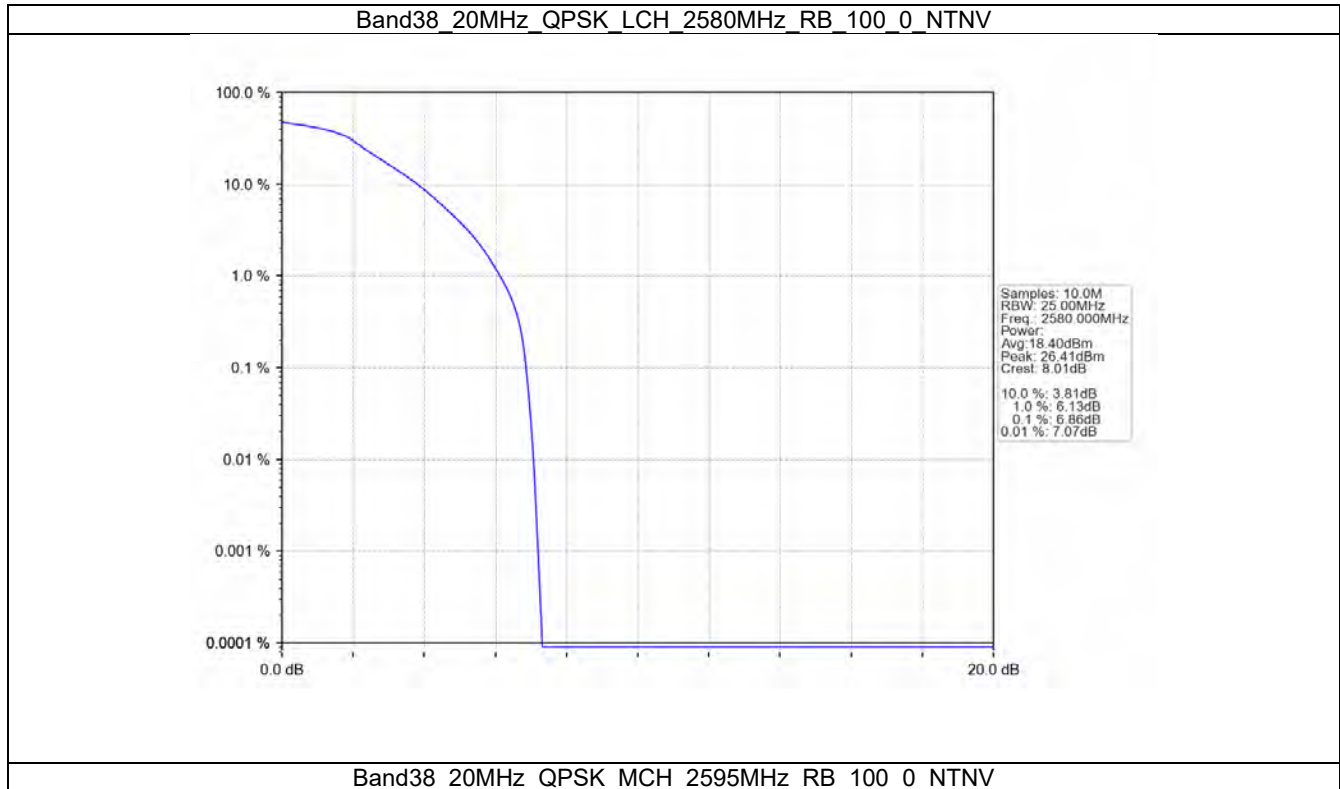
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5.4.2 Test Graph



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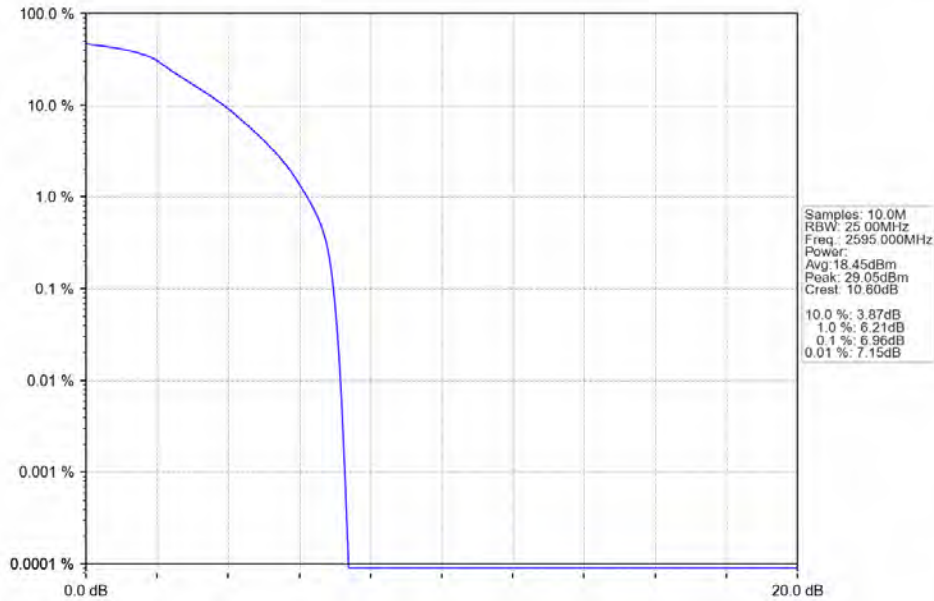
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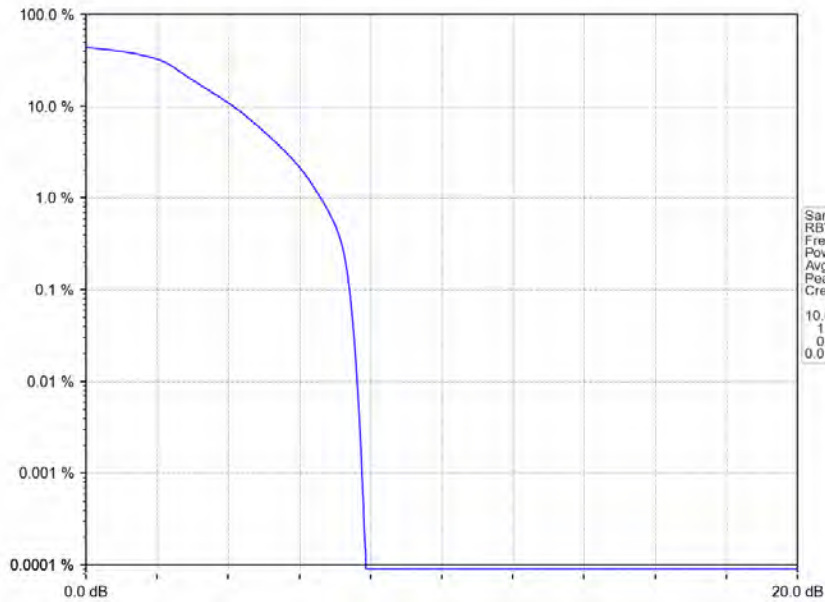
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Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



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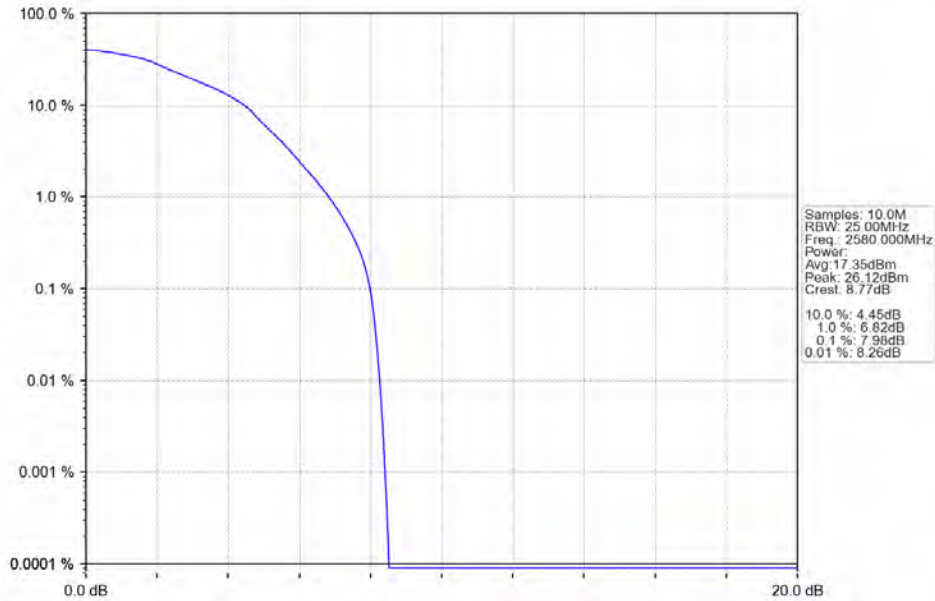
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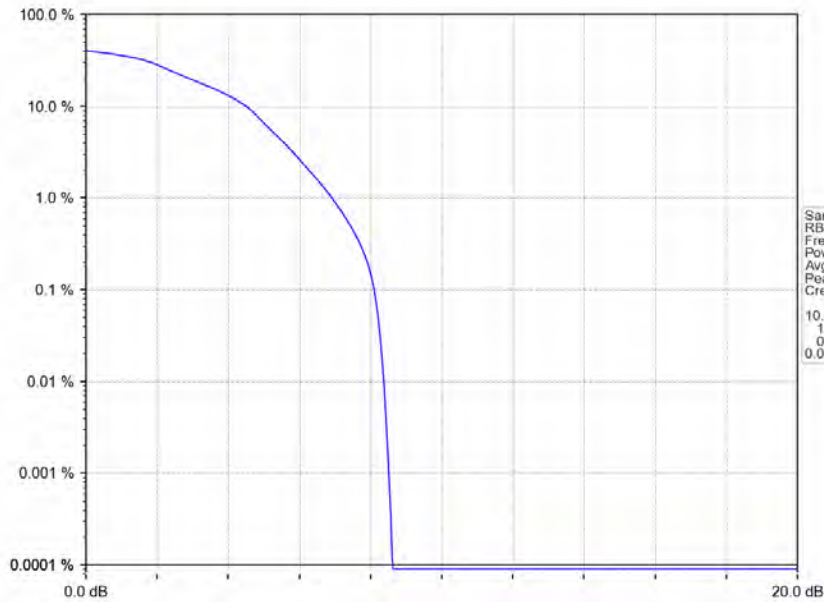
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Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



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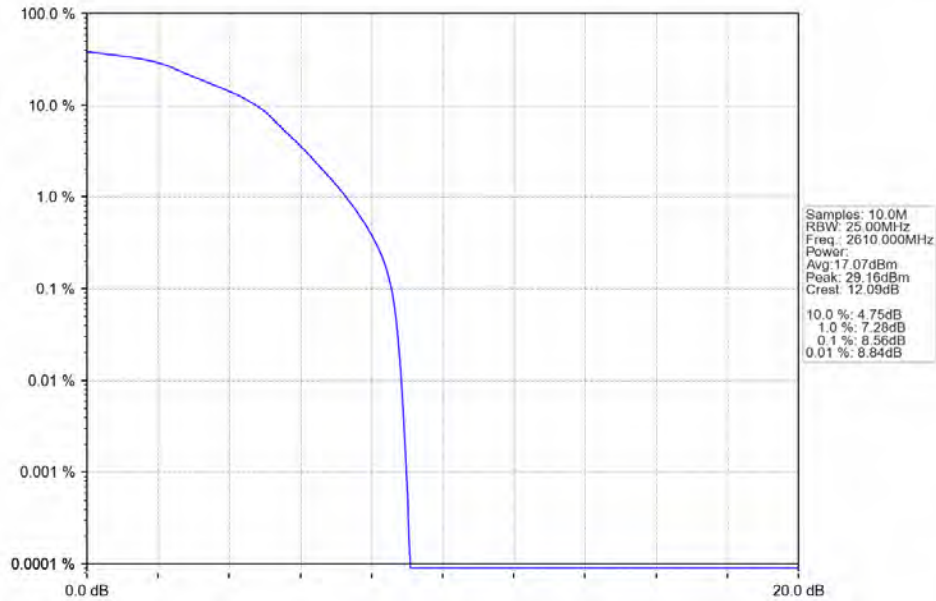
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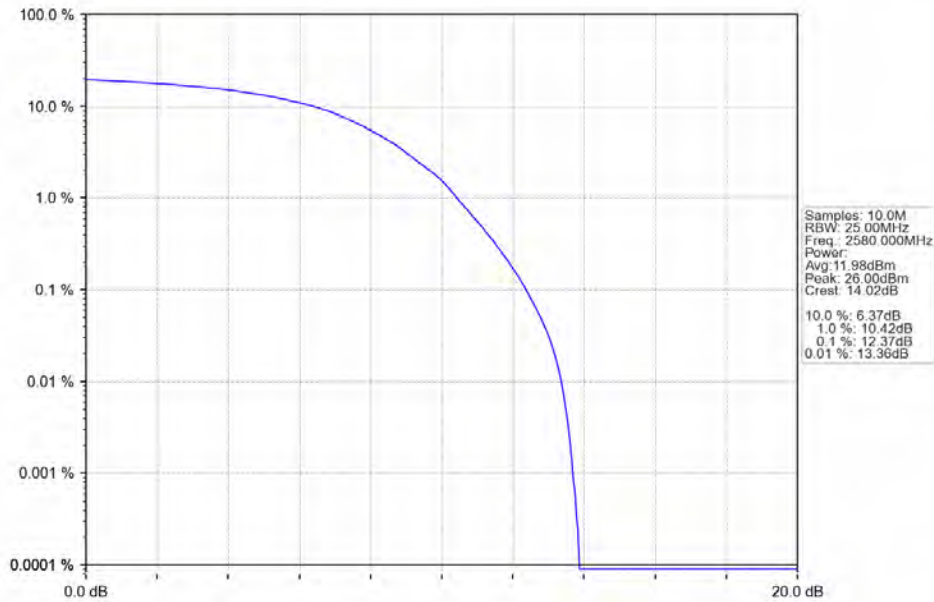
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Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



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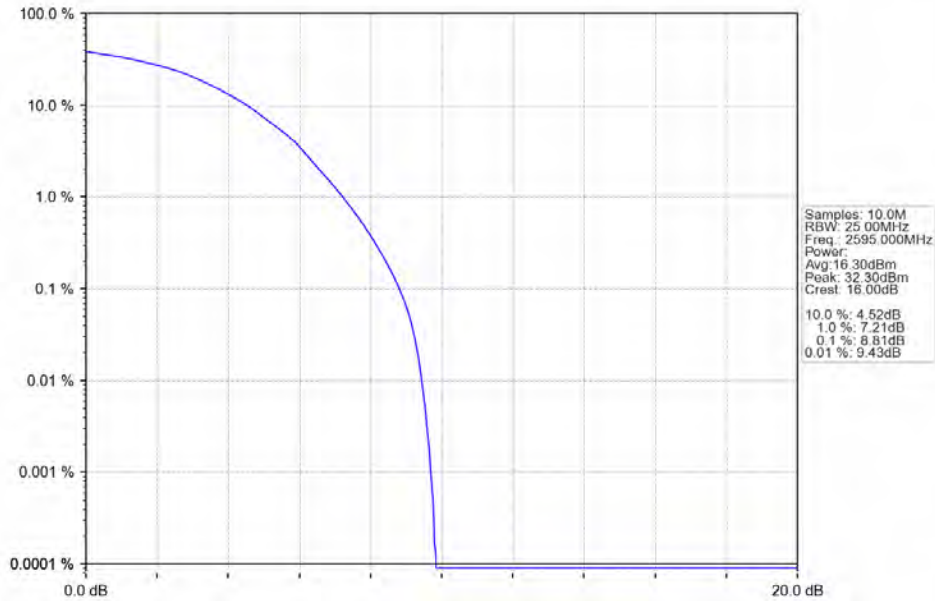
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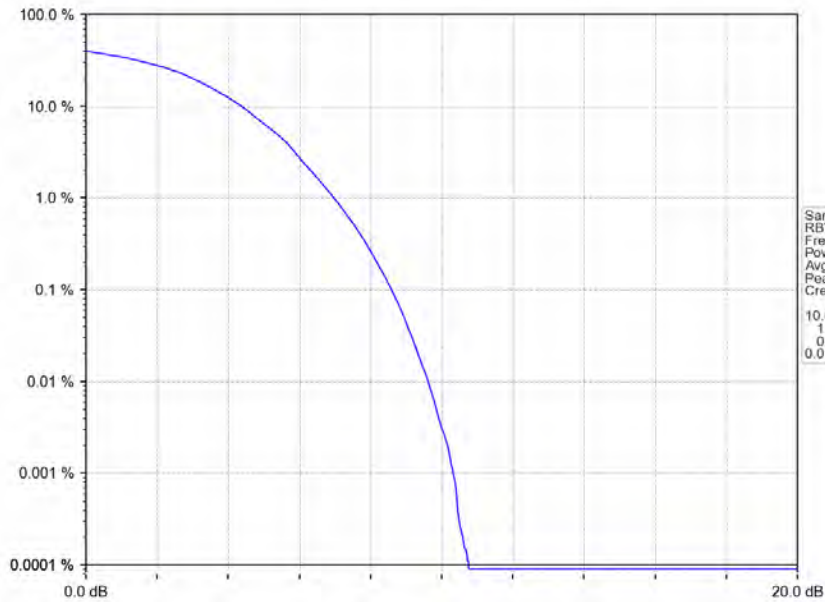
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Band38_20MHz_256QAM_LCH_2580MHz_RB_100_0_NTNV



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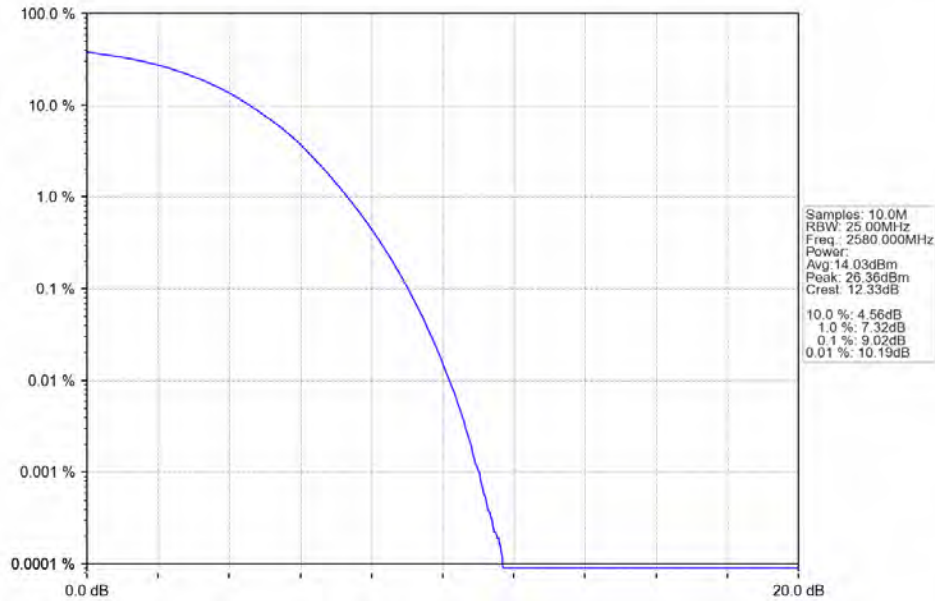
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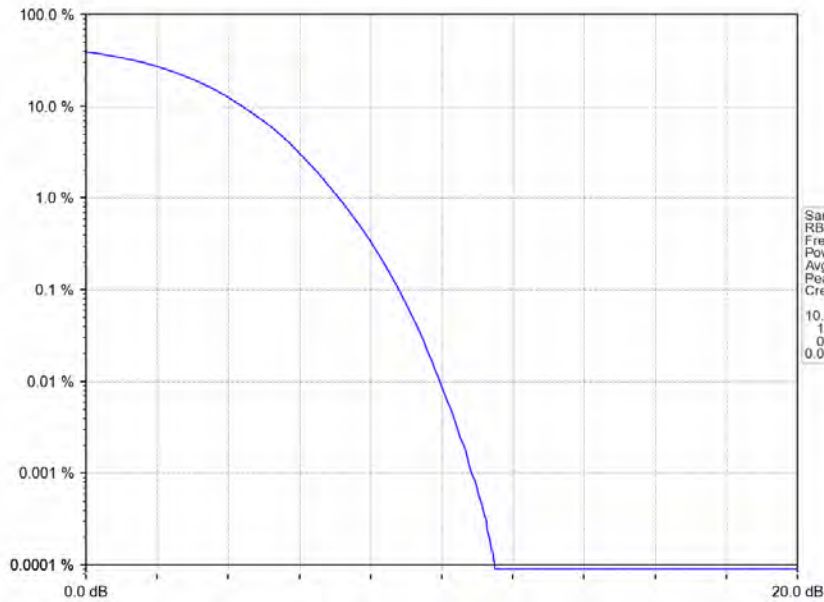
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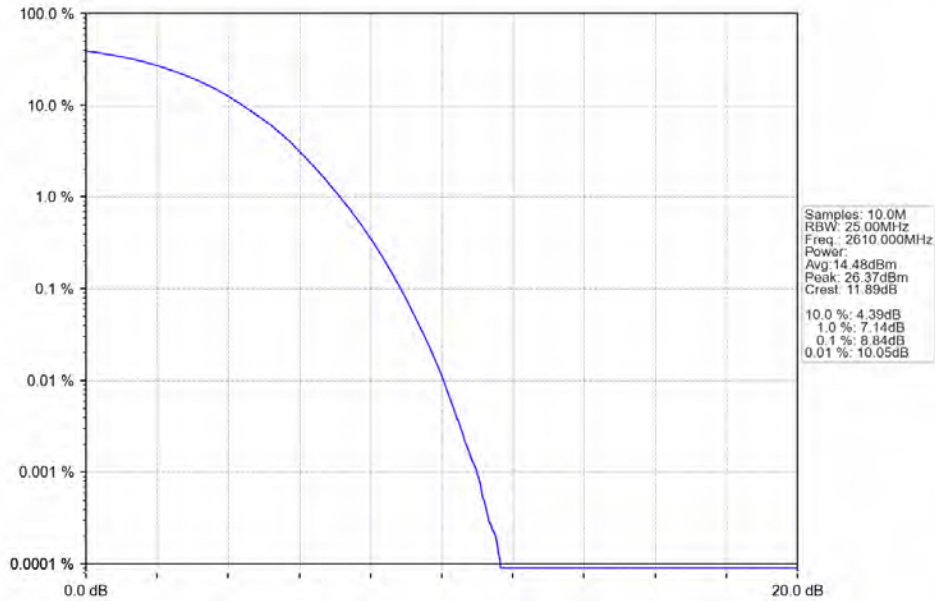
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6. Spurious Emission & Band Edges

6.1 B38_5MHz

6.1.1 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



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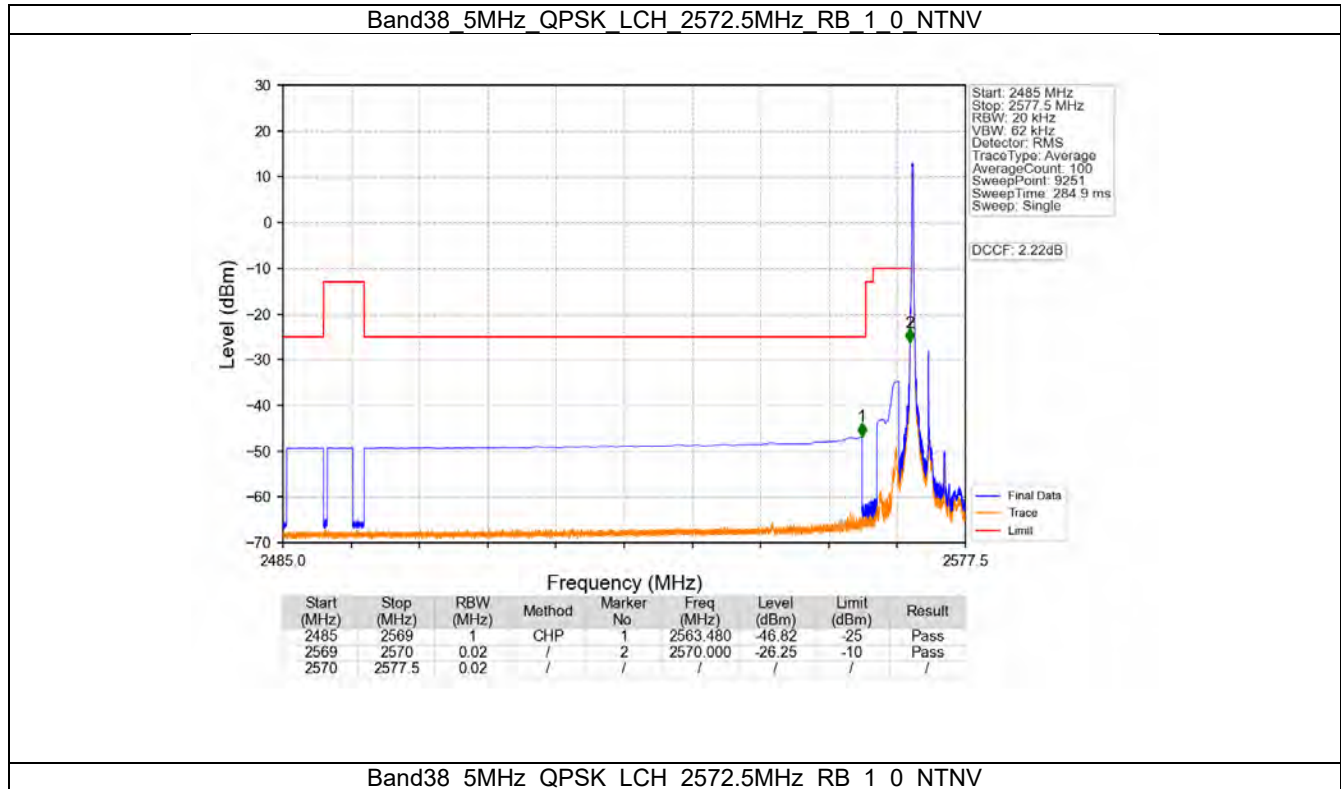
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6.1.2 Test Graph



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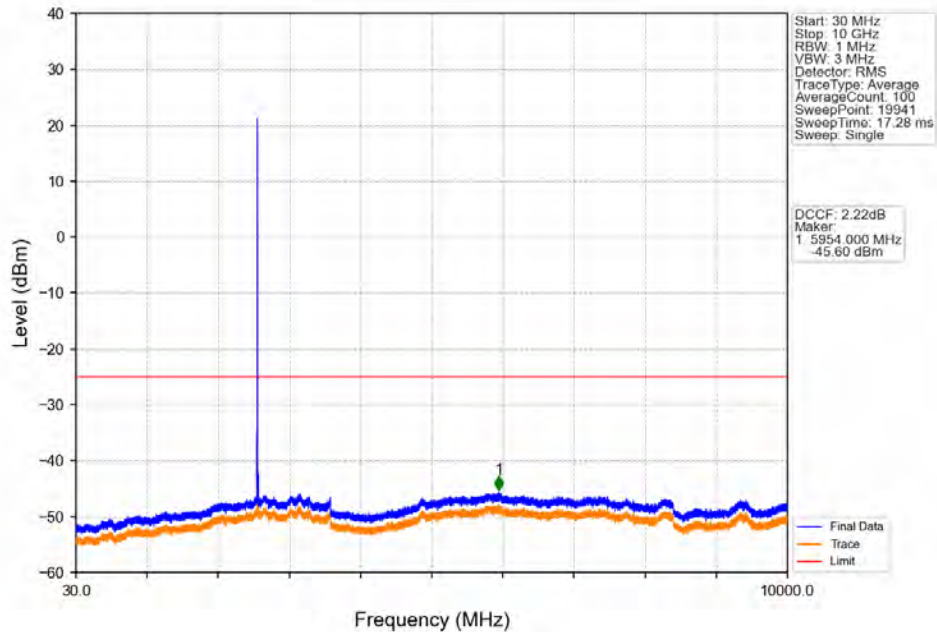
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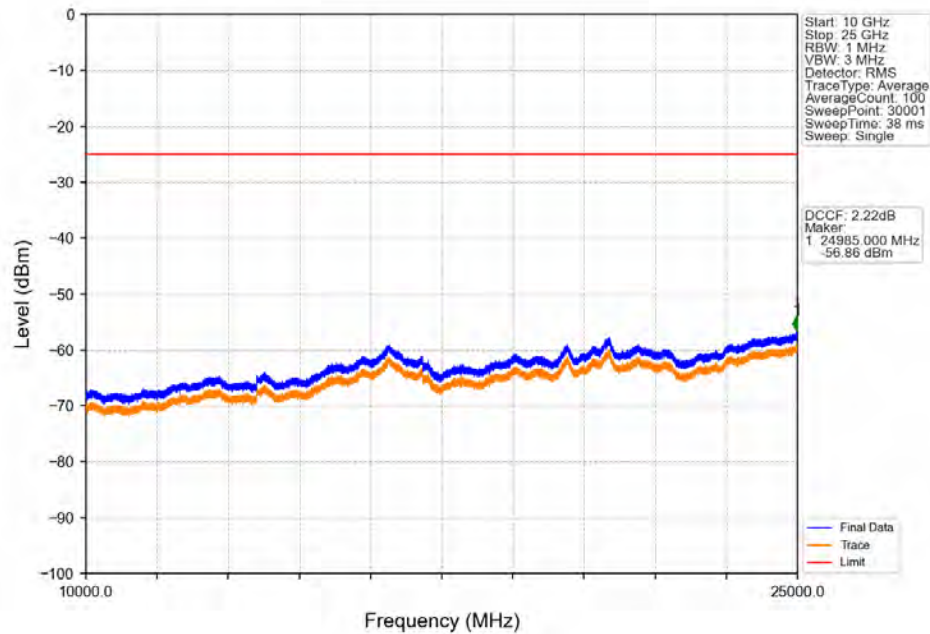
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Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



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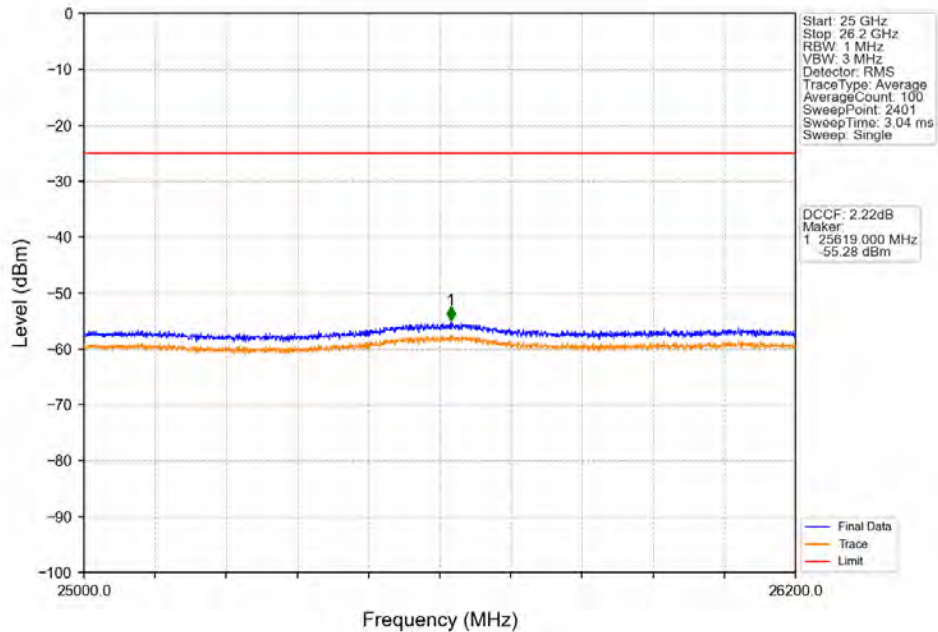
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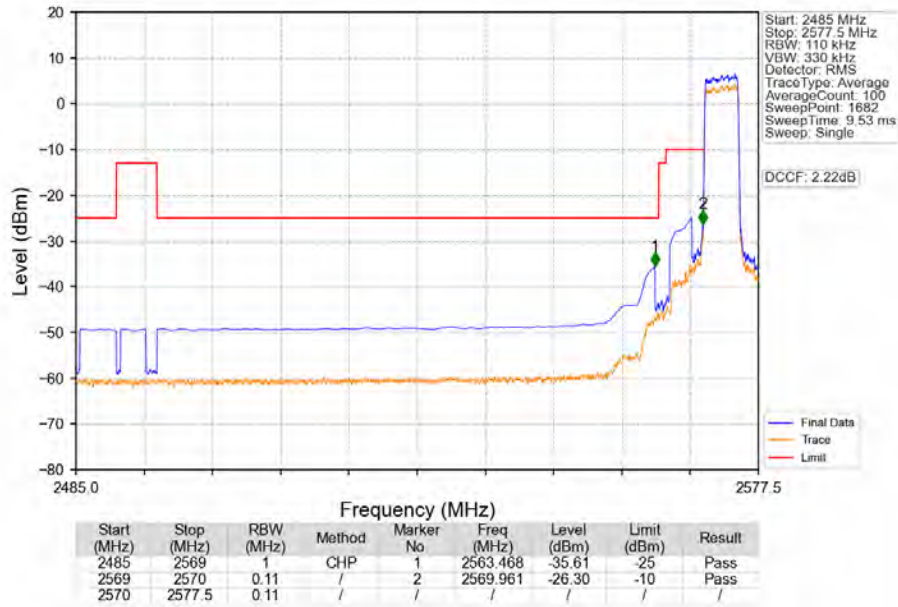
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Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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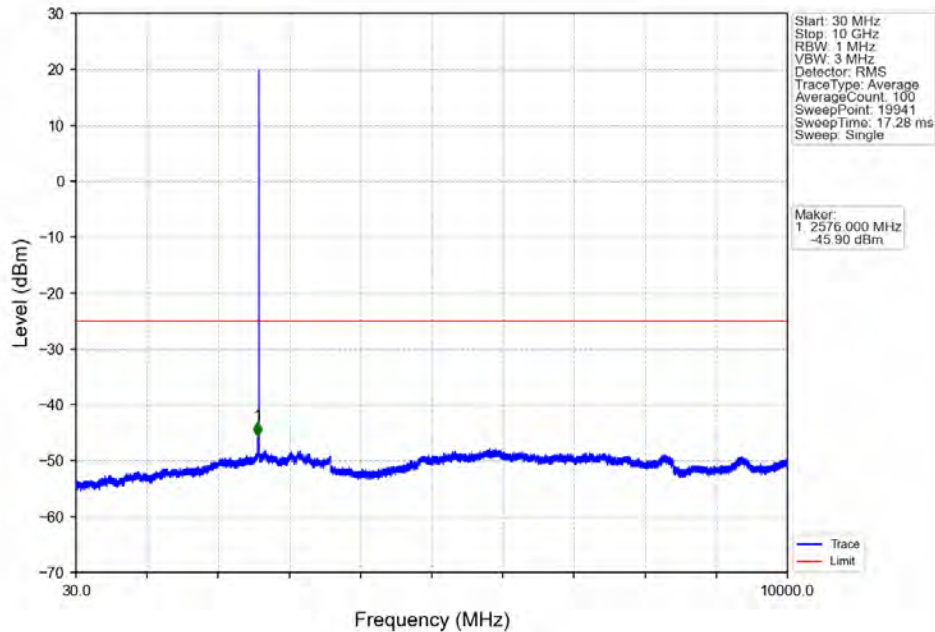
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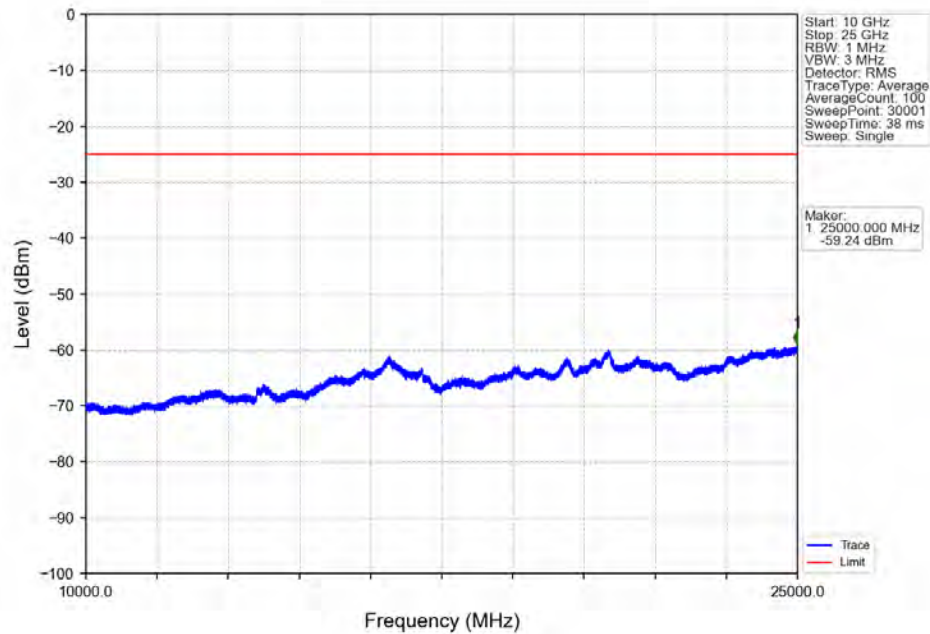
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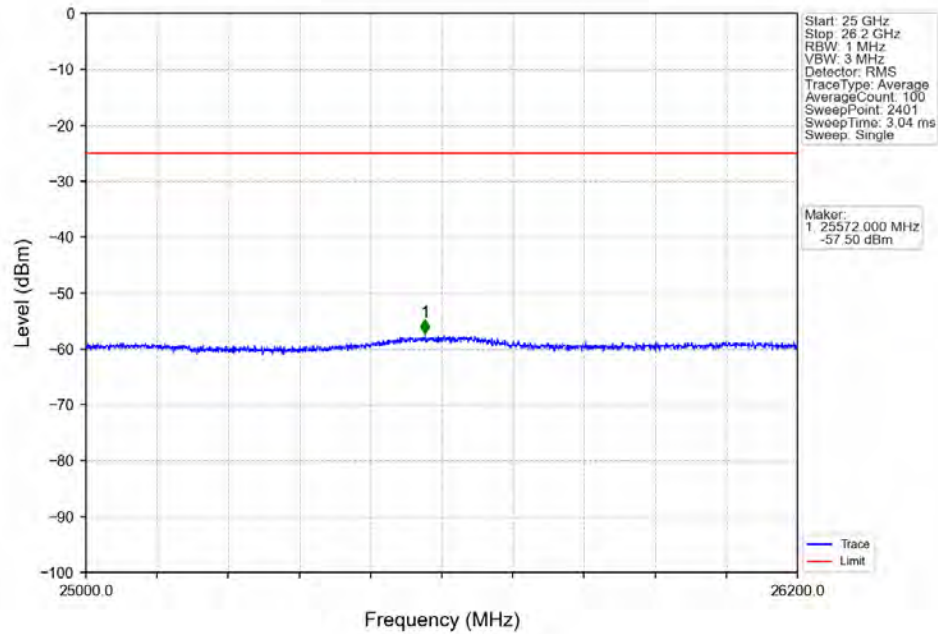
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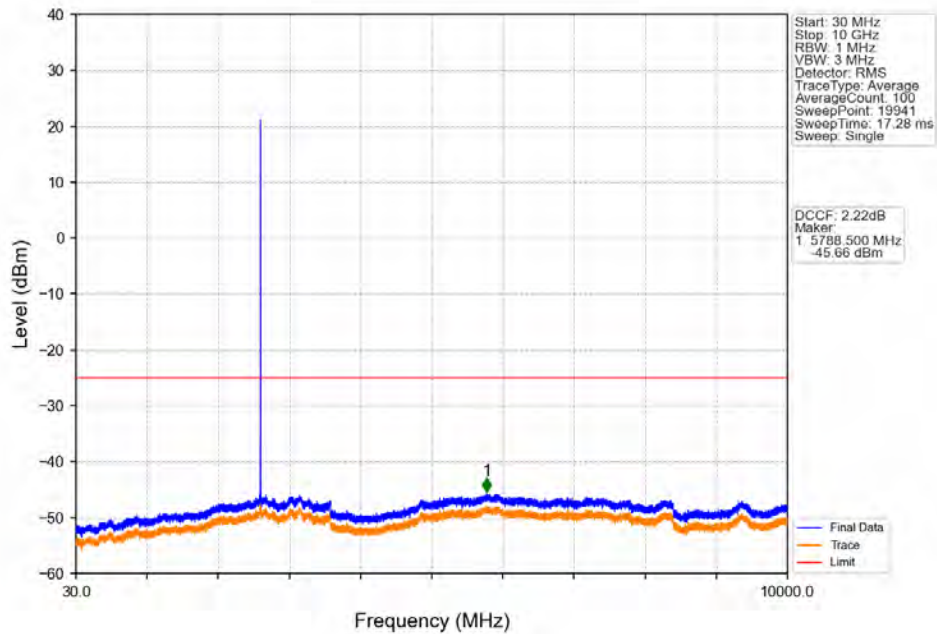
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Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



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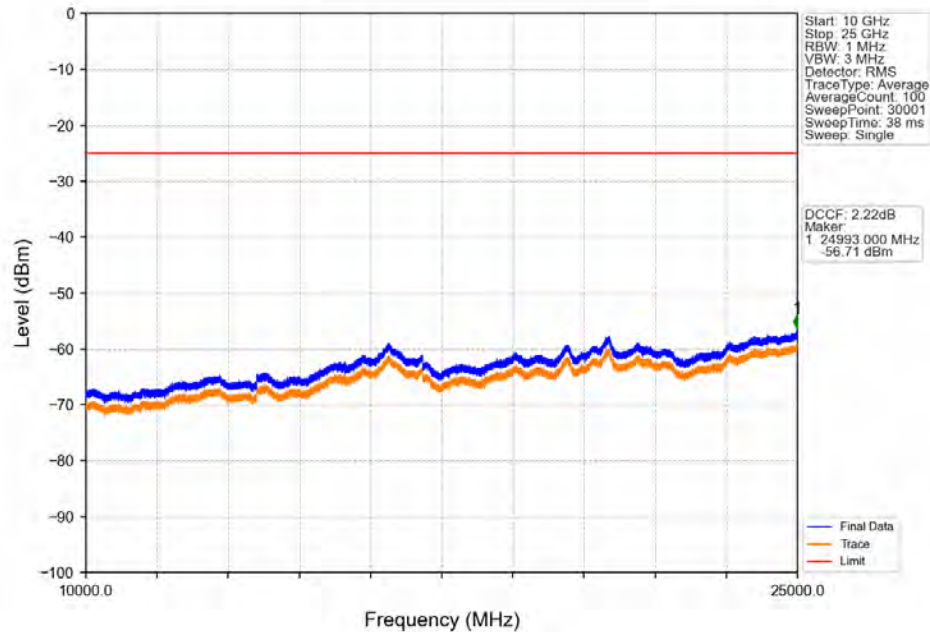
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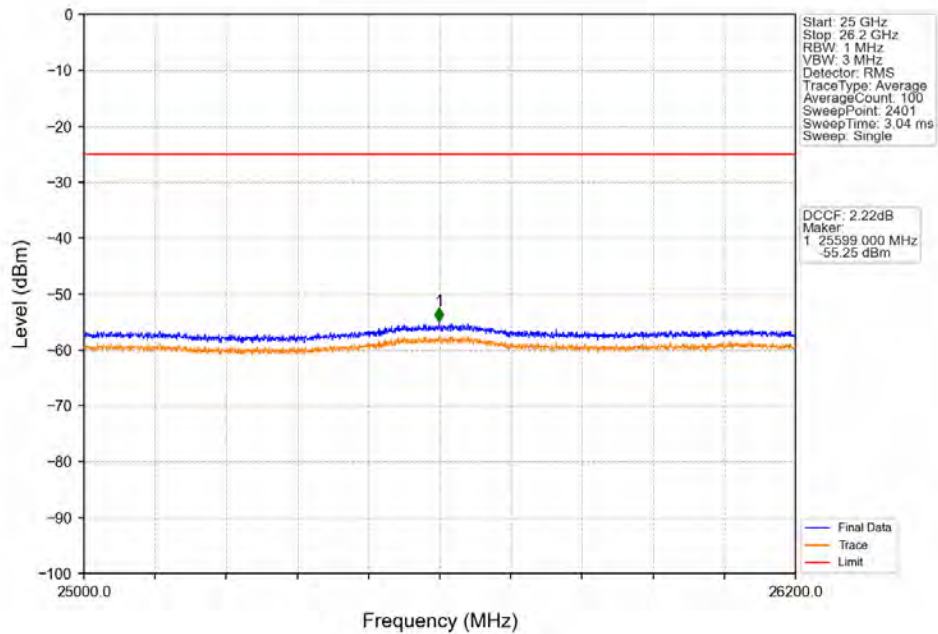
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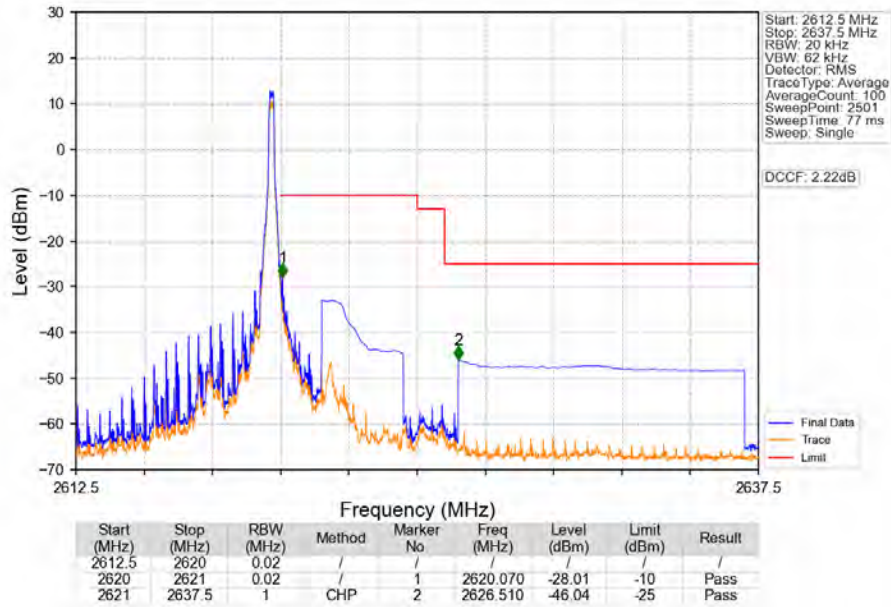
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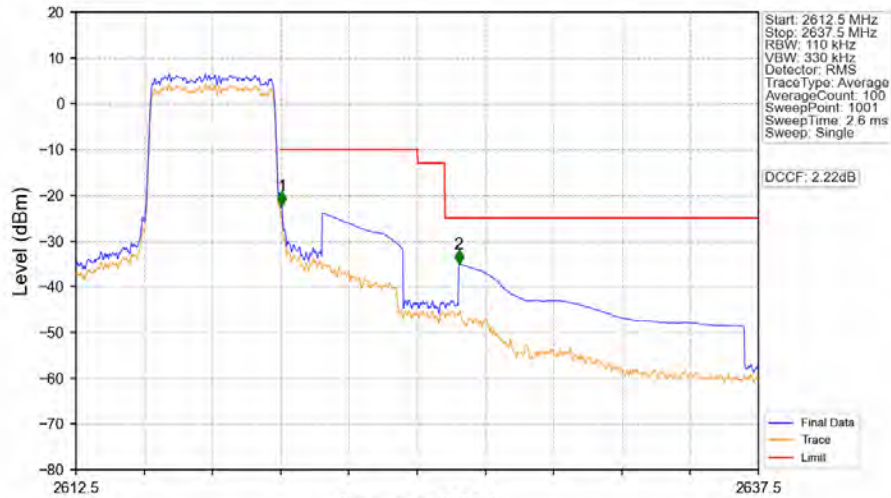
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.11	/	/	/	/	/	/
2620	2621	0.11	/	1	2620.050	-22.37	-10	Pass
2621	2637.5	1	CHP	2	2626.525	-35.09	-25	Pass



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6.2 B38_10MHz

6.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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



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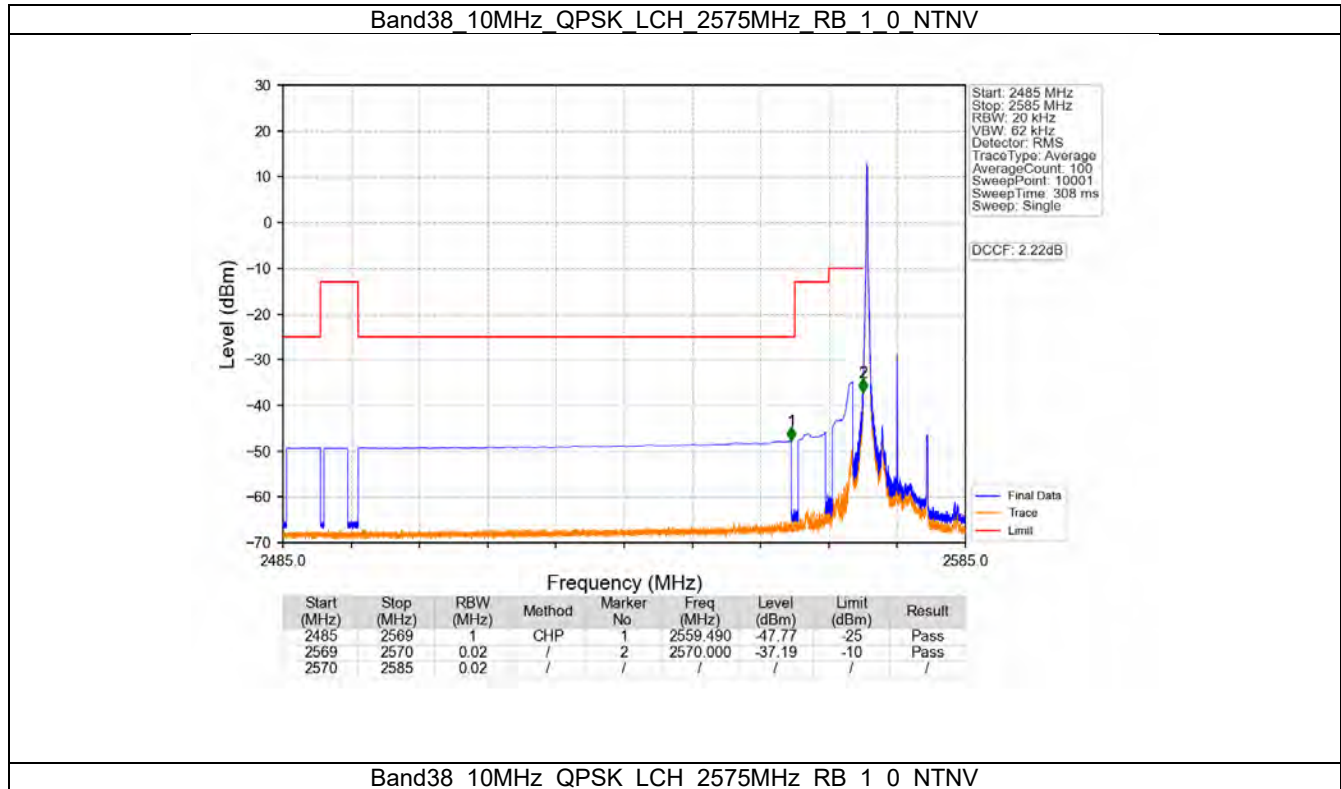
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6.2.2 Test Graph



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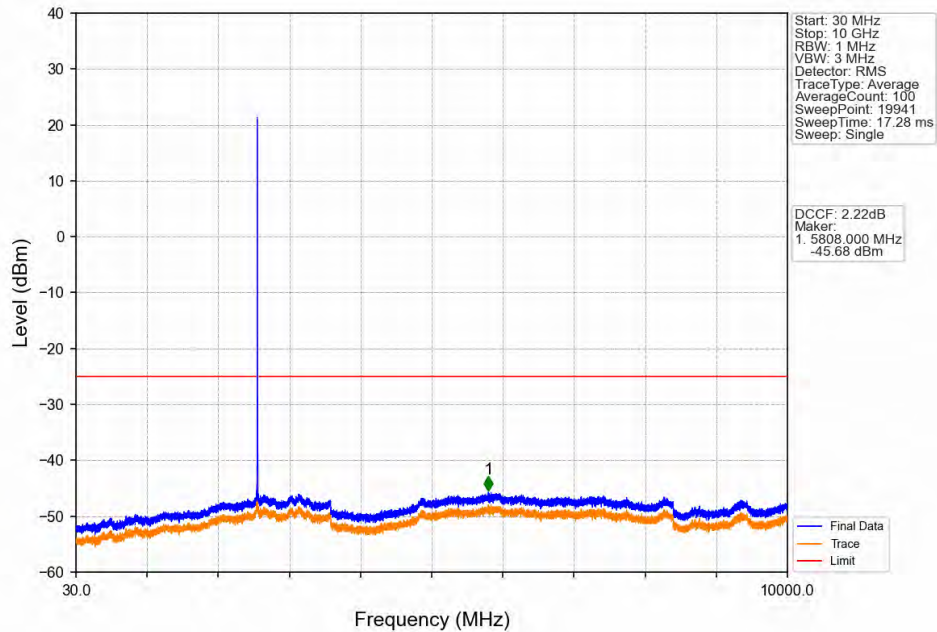
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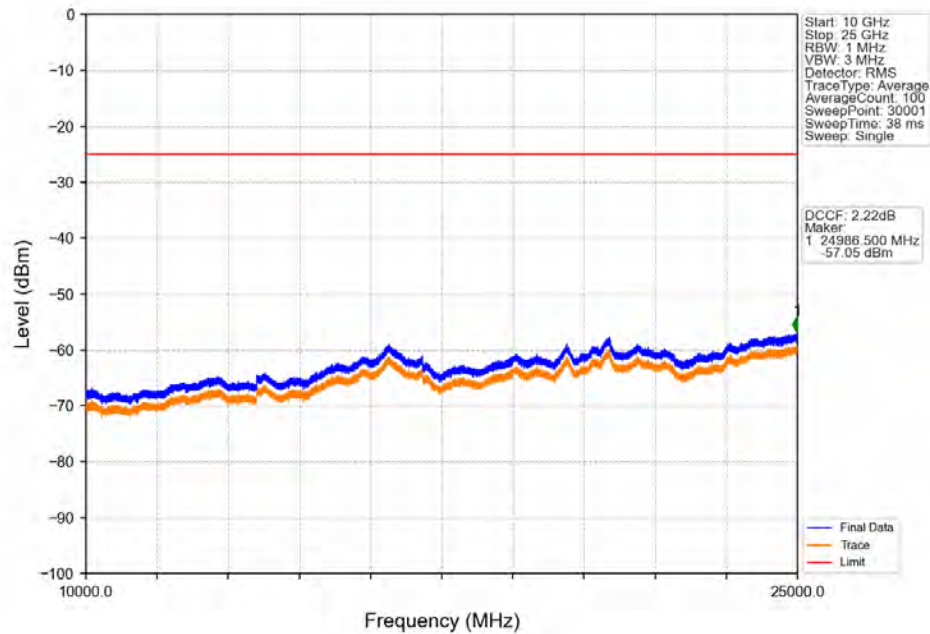
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Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



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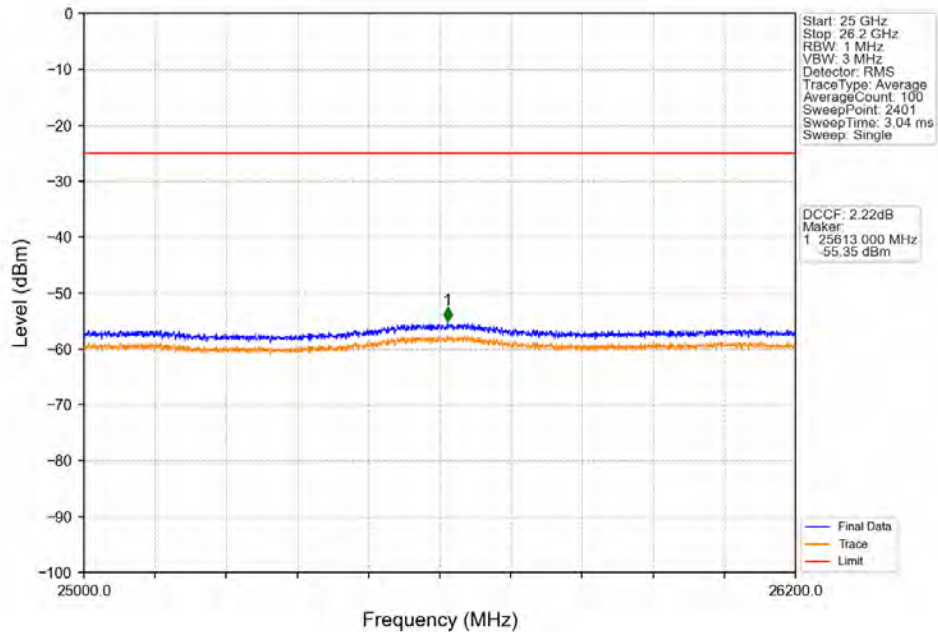
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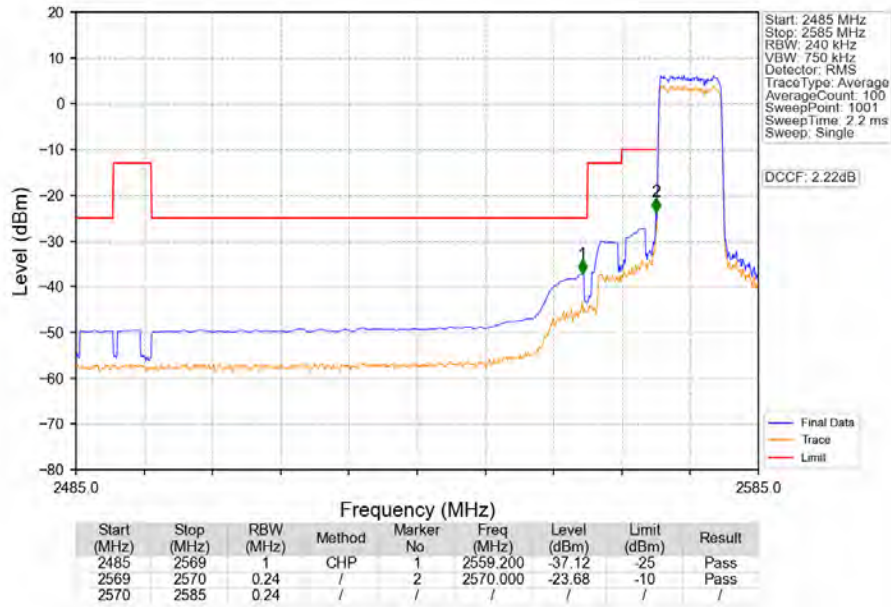
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Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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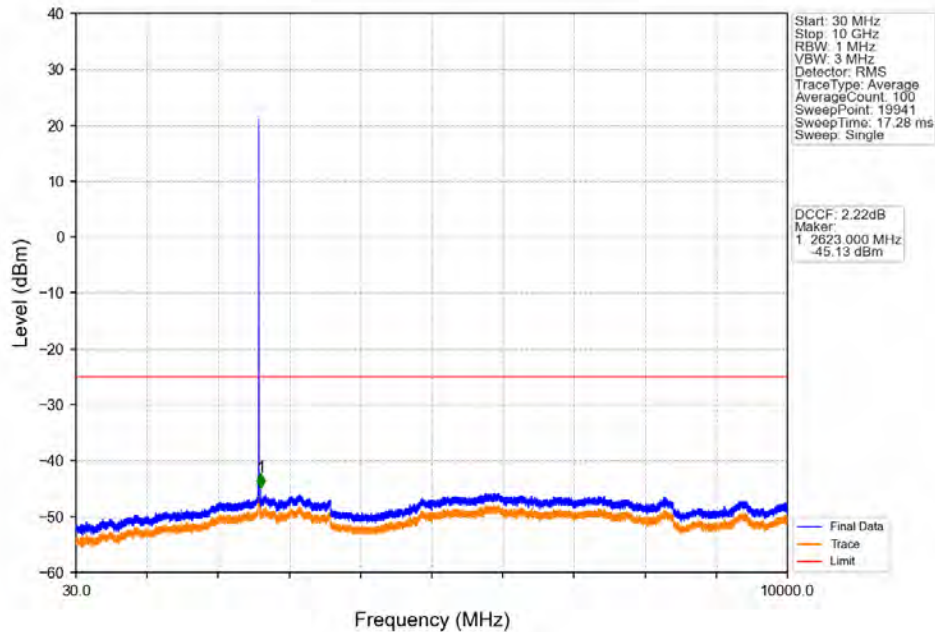
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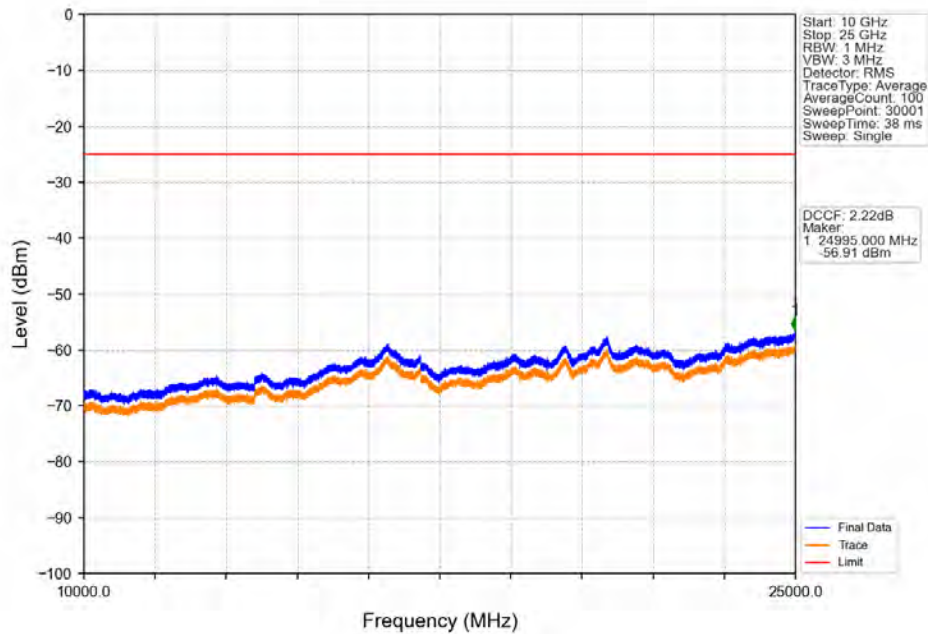
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Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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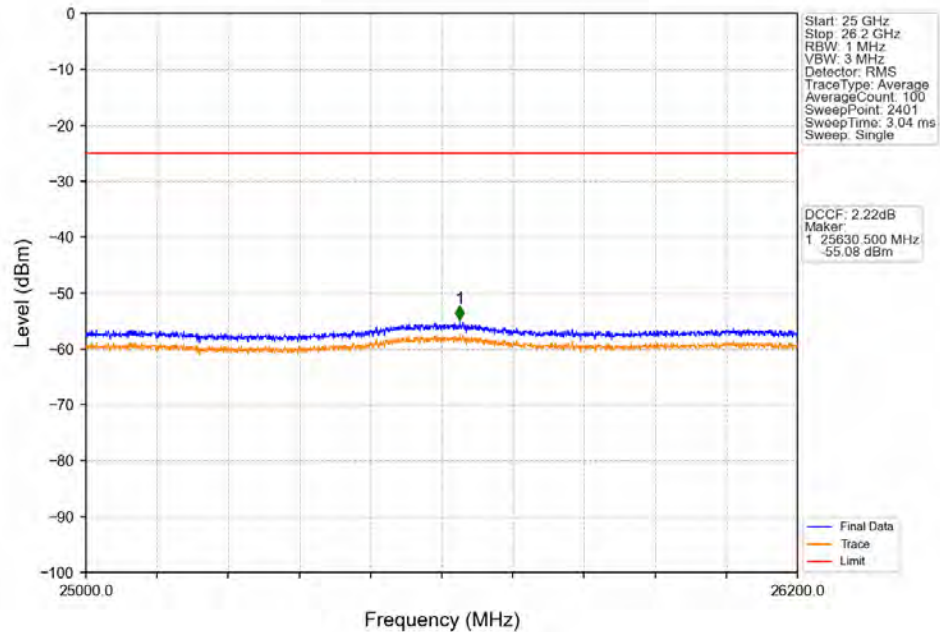
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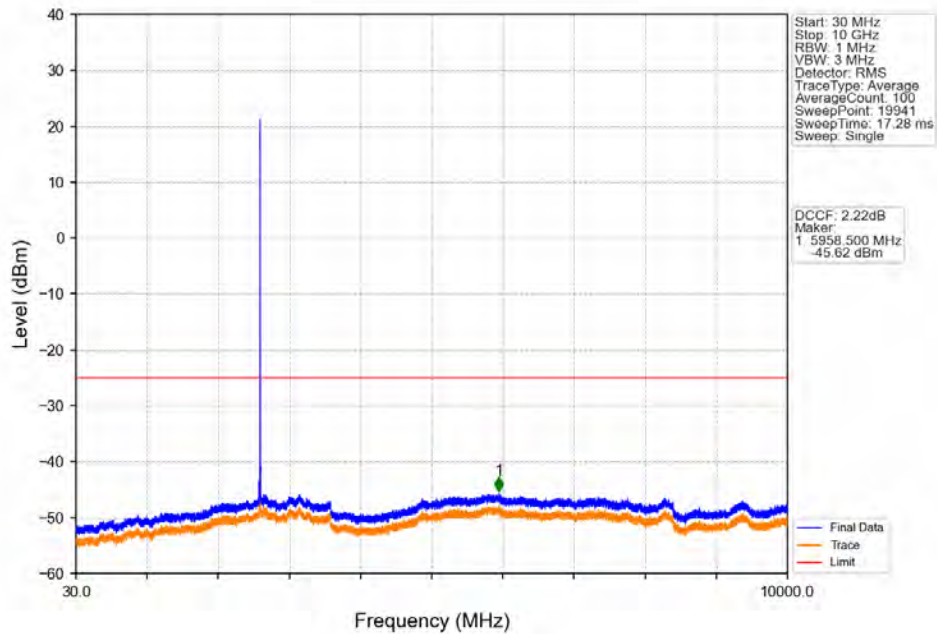
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Band38 10MHz QPSK HCH 2615MHz RB 1_0 NTNV



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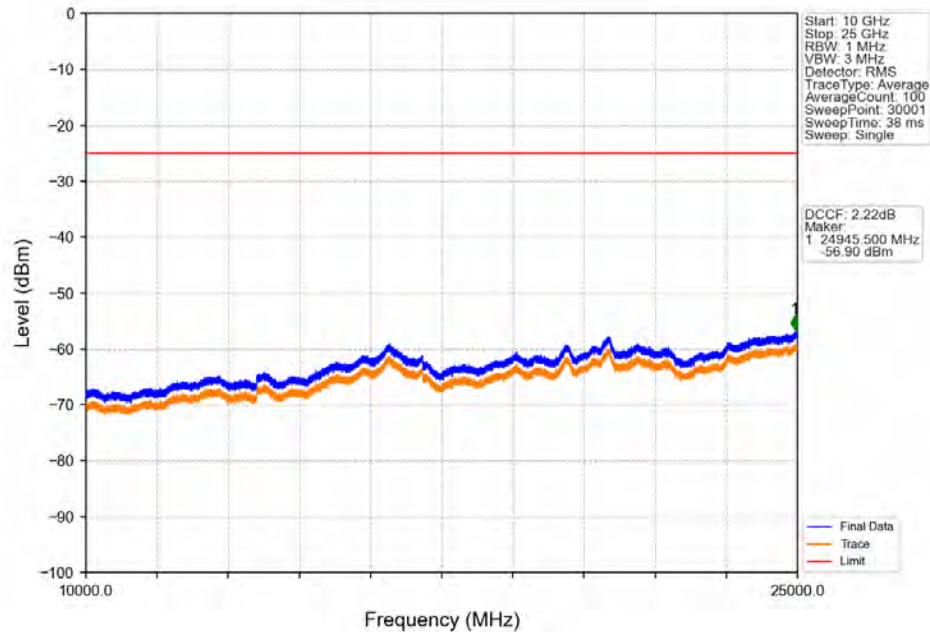
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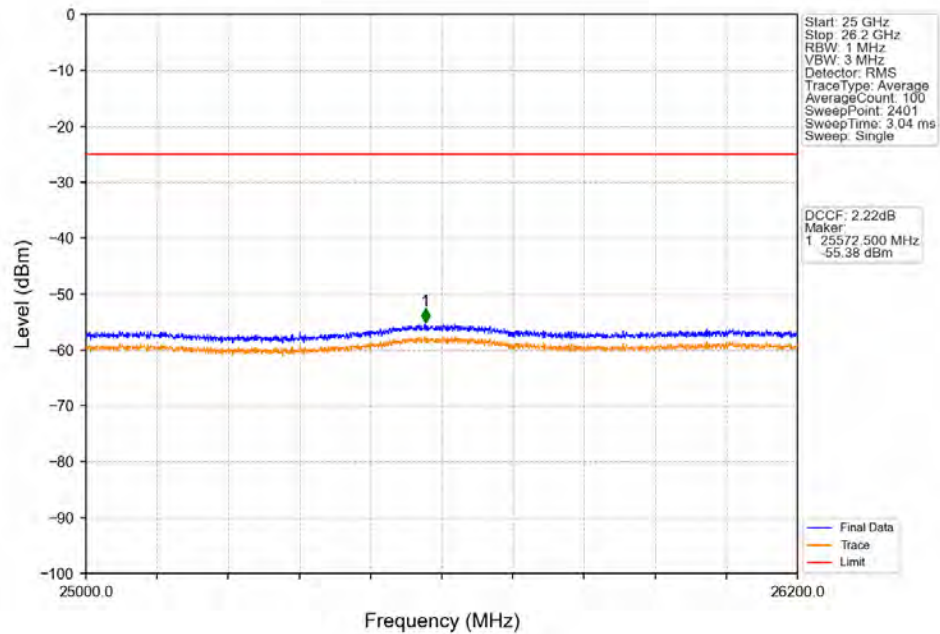
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Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



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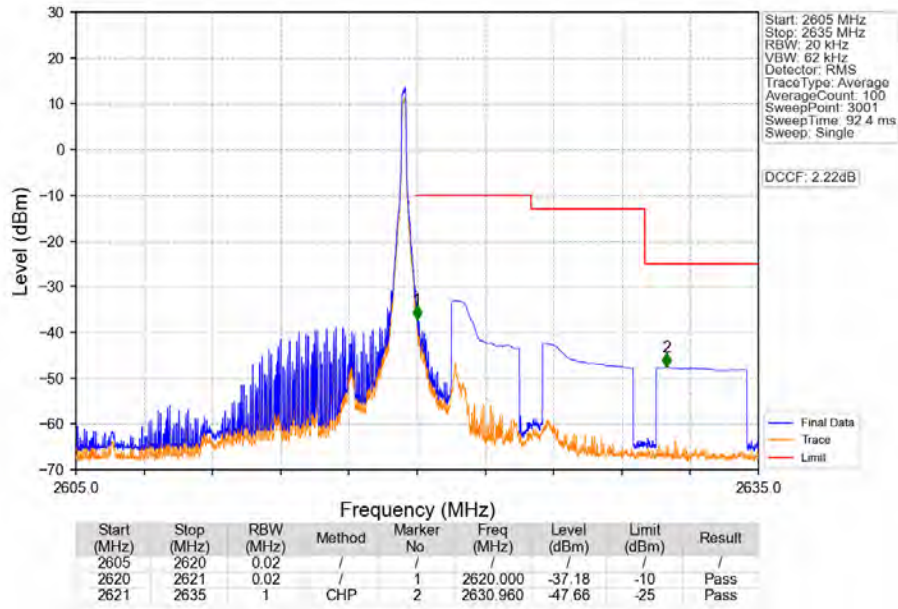
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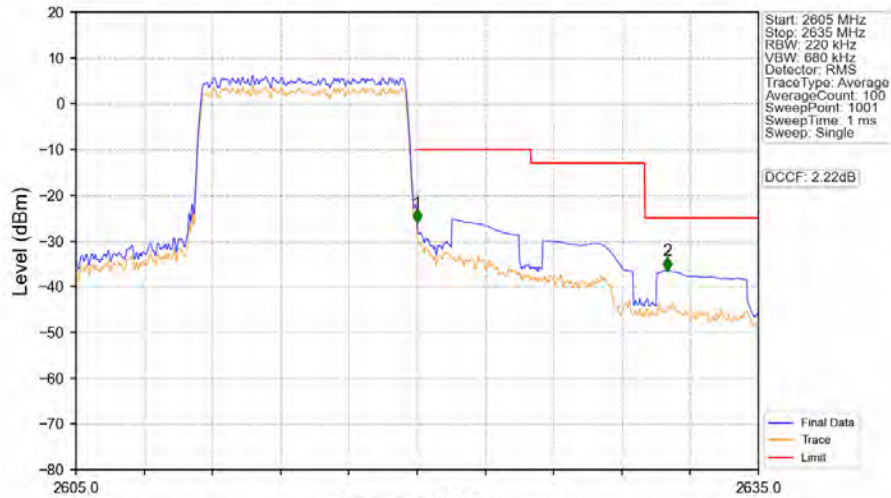
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Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.22	/	1	2620.000	-26.09	-10	Pass
2621	2635	1	CHP	2	2631.010	-36.52	-25	Pass



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6.3 B38_15MHz

6.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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



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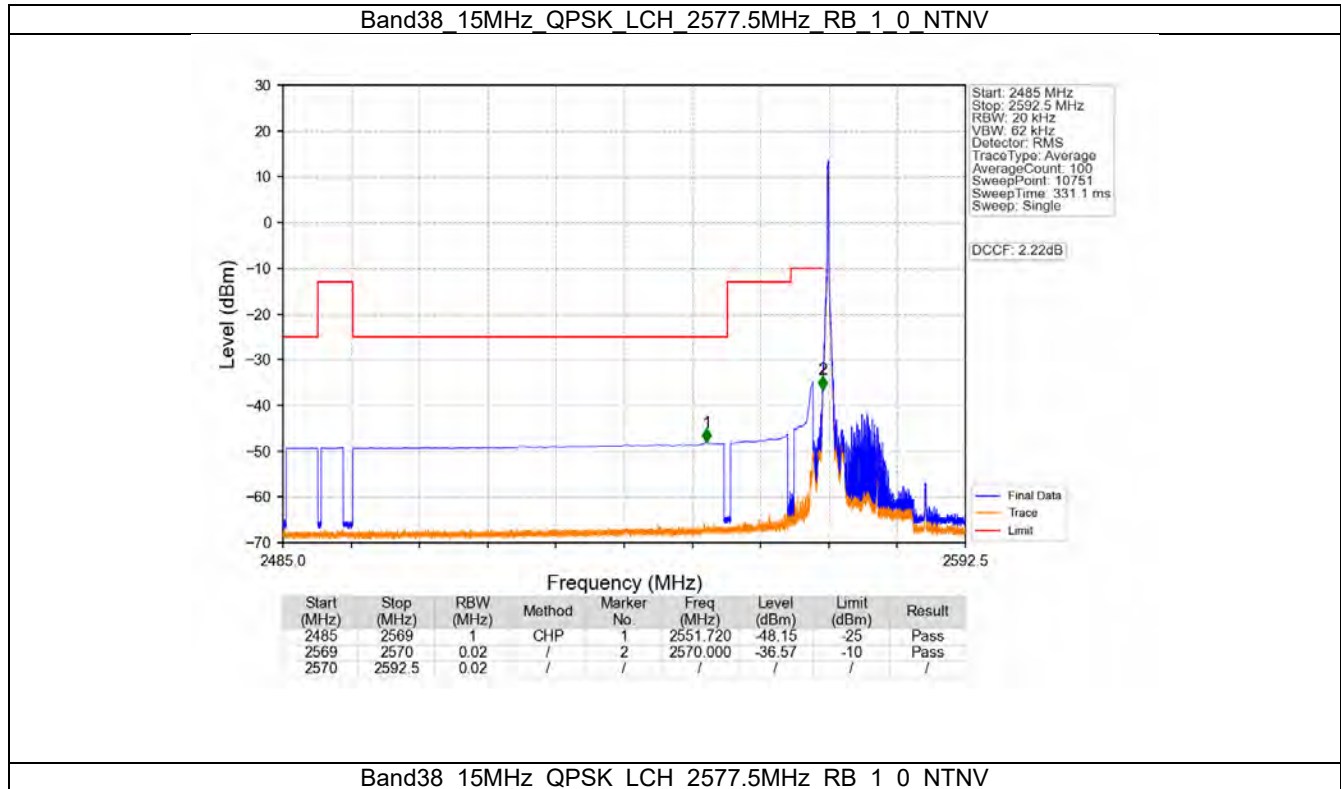
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6.3.2 Test Graph



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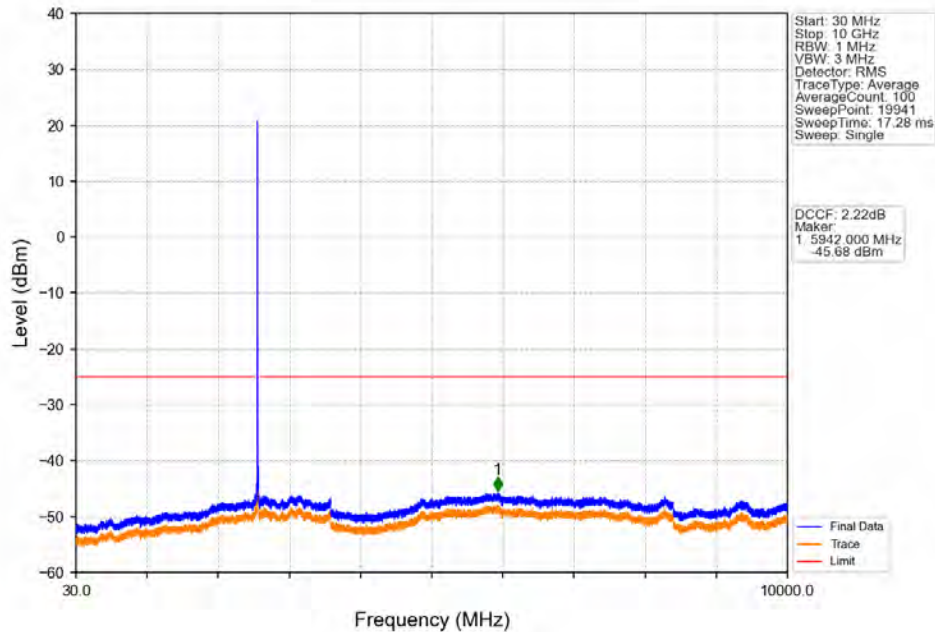
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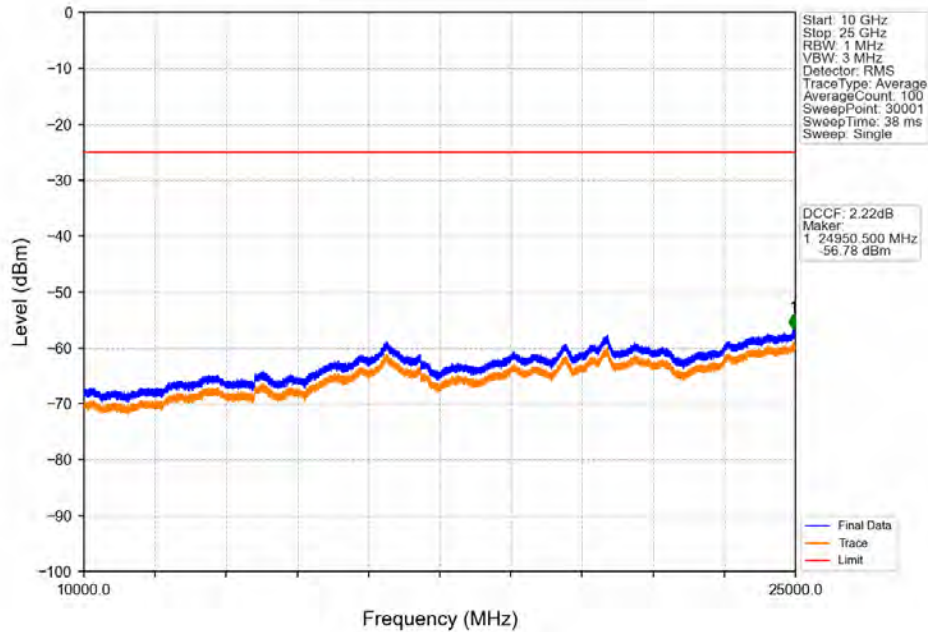
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Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



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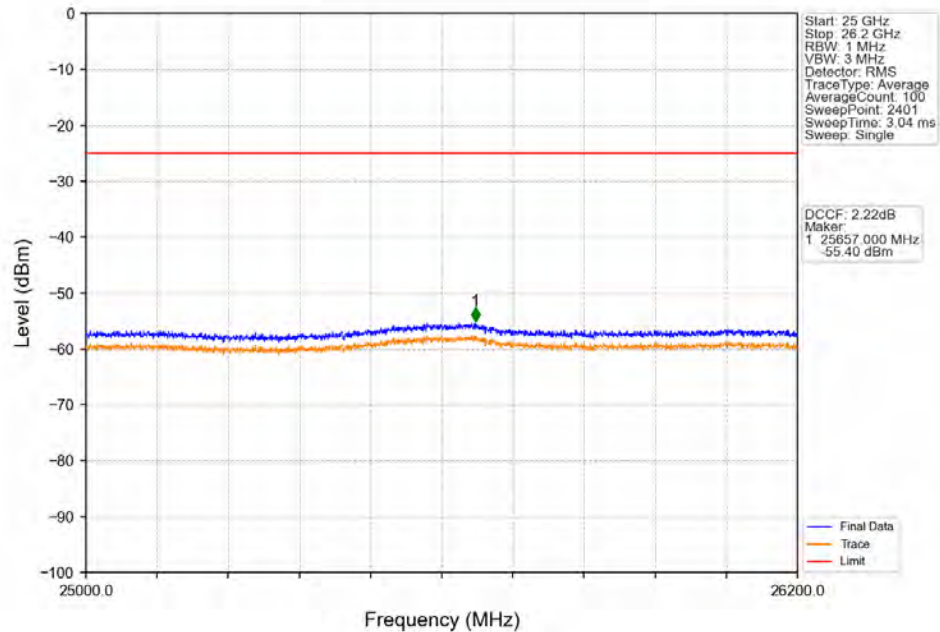
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2554.445	-37.77	-25	Pass
2569	2570	0.36	/	/	/	/	/	/
2570	2592.5	0.36	/	/	/	/	/	/

Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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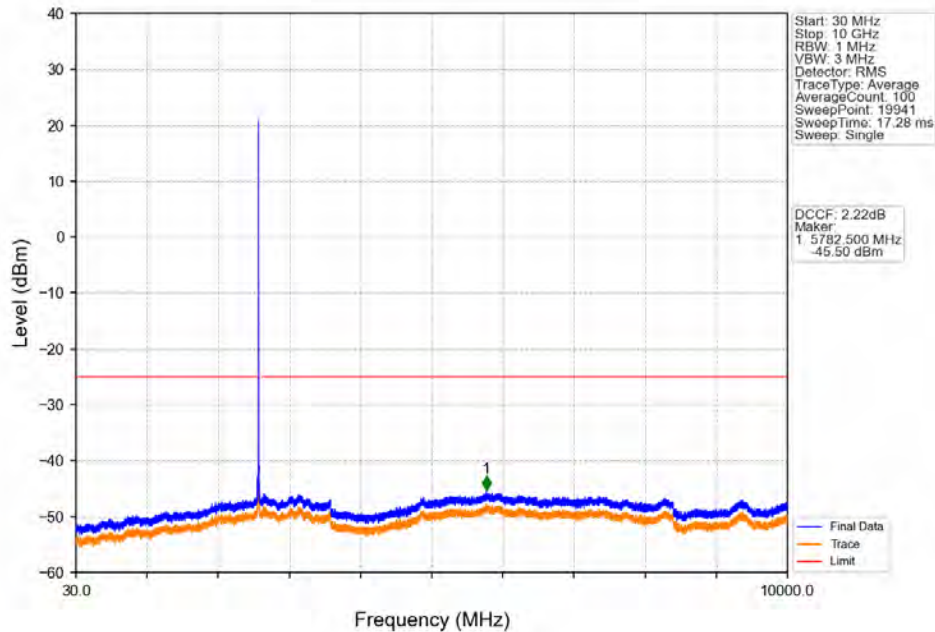
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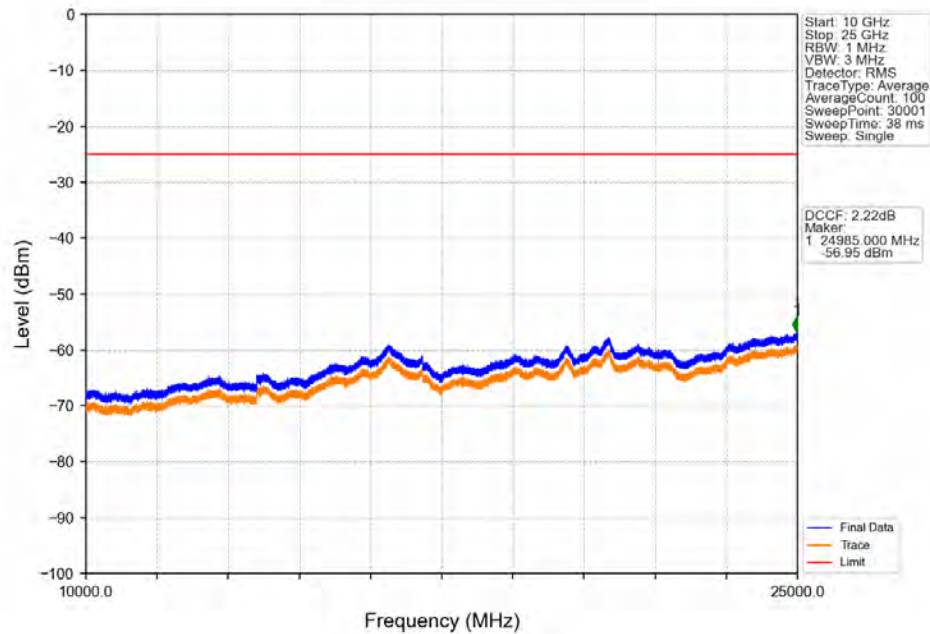
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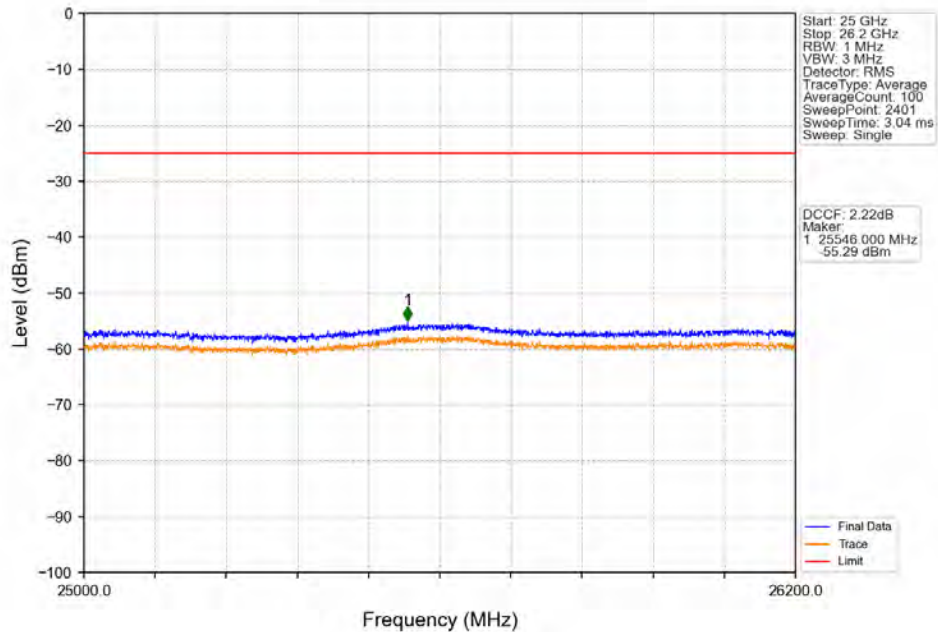
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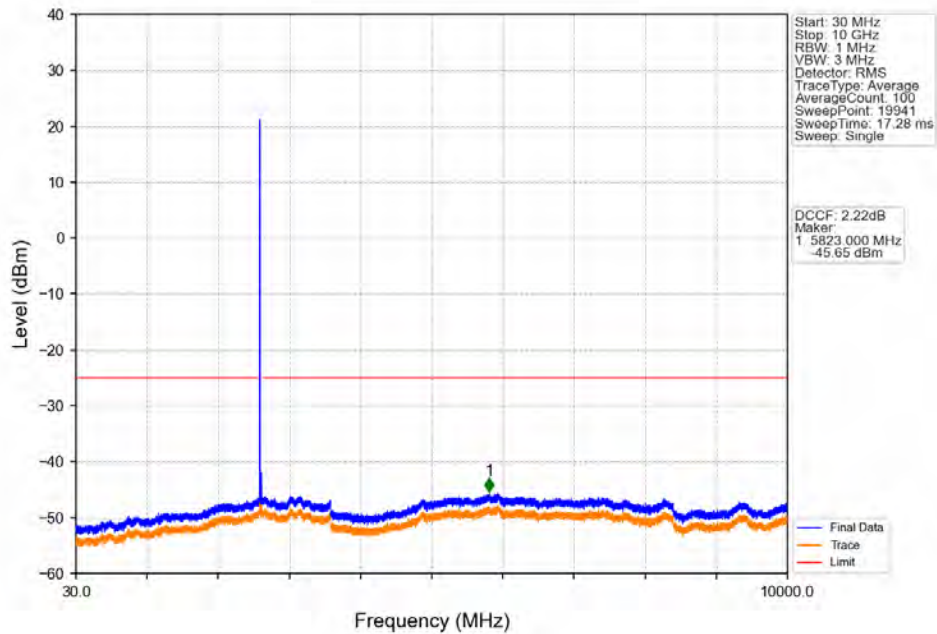
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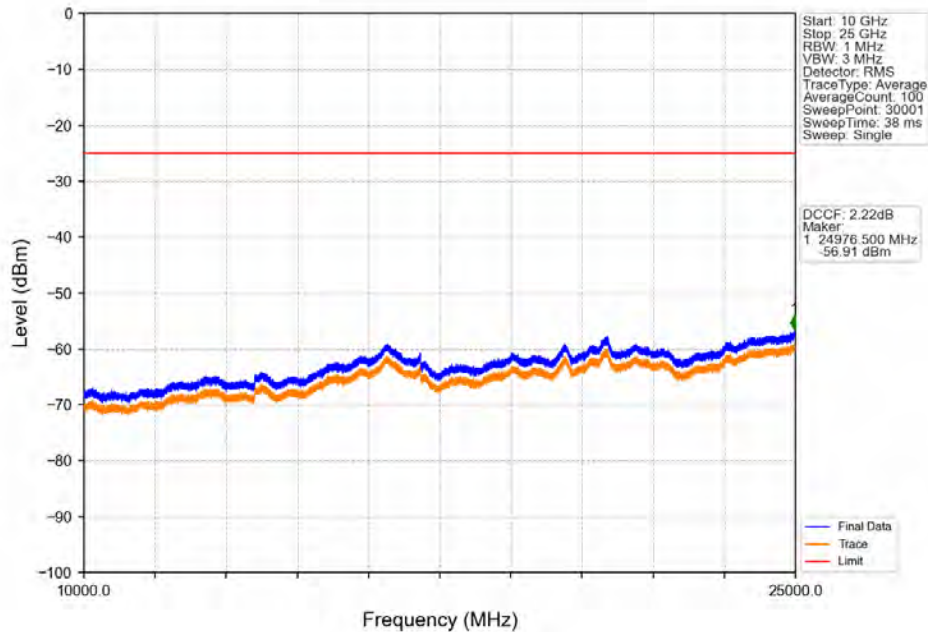
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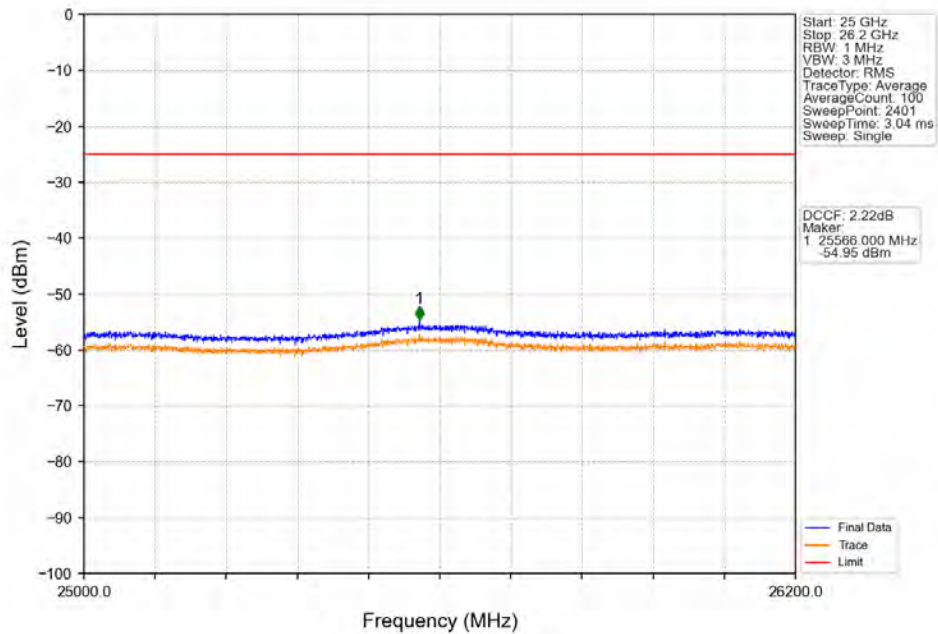
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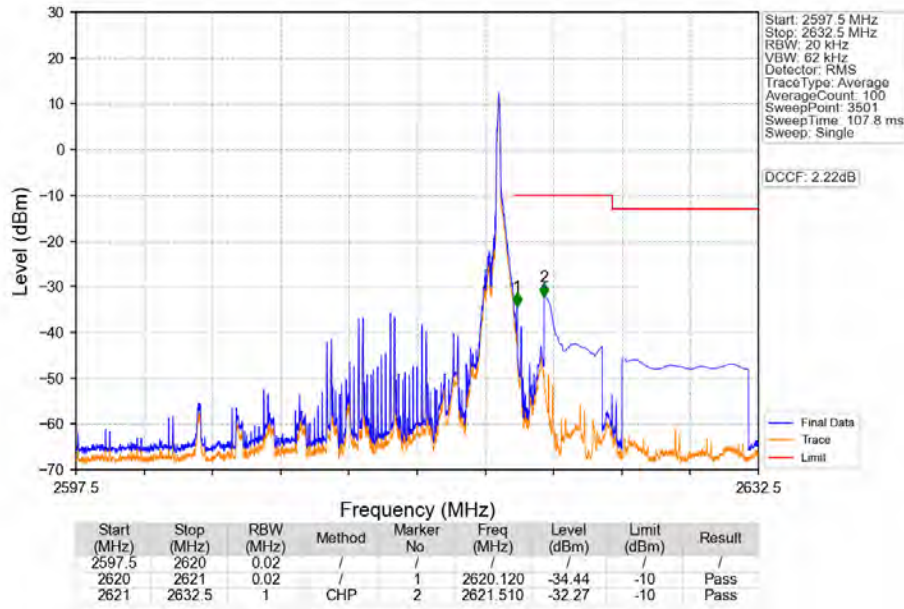
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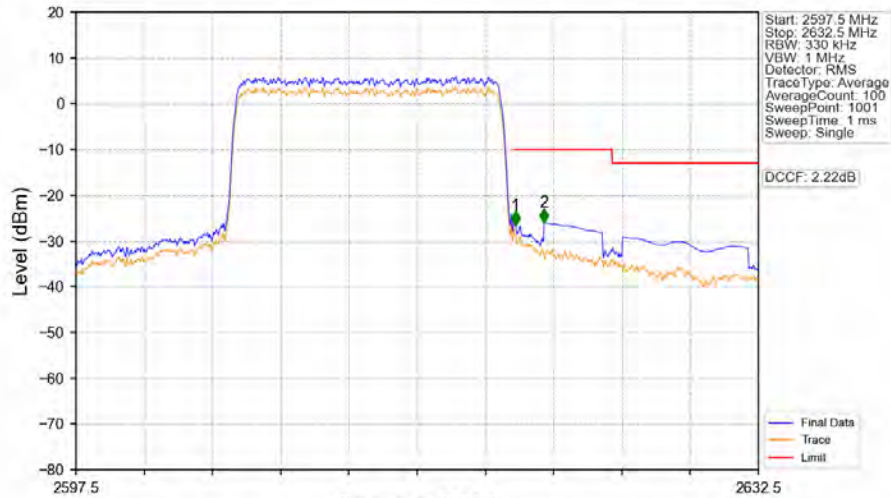
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.33	/	1	2620.040	-26.58	-10	Pass
2620	2621	0.33	/	2	2621.510	-25.97	-10	Pass
2621	2632.5	1	CHP					



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6.4 B38_20MHz

6.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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



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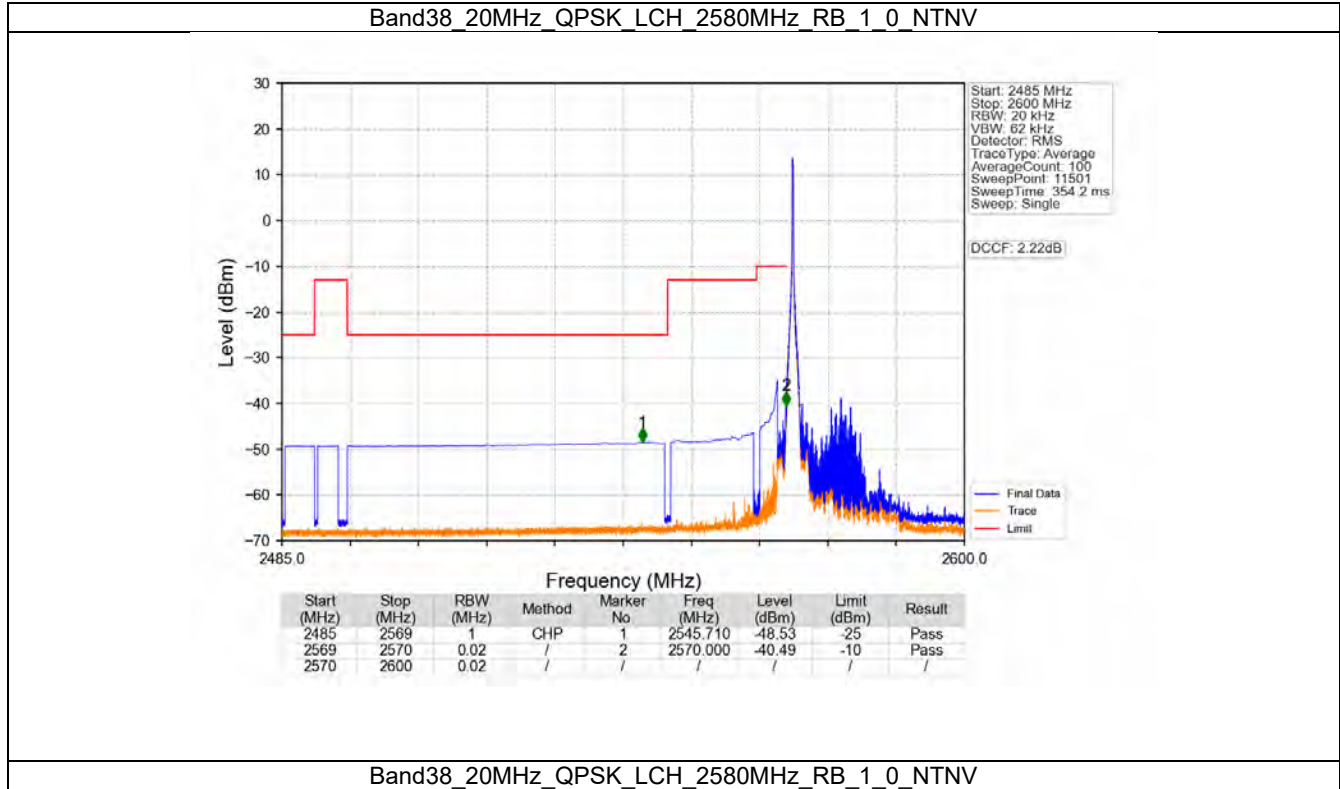
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6.4.2 Test Graph



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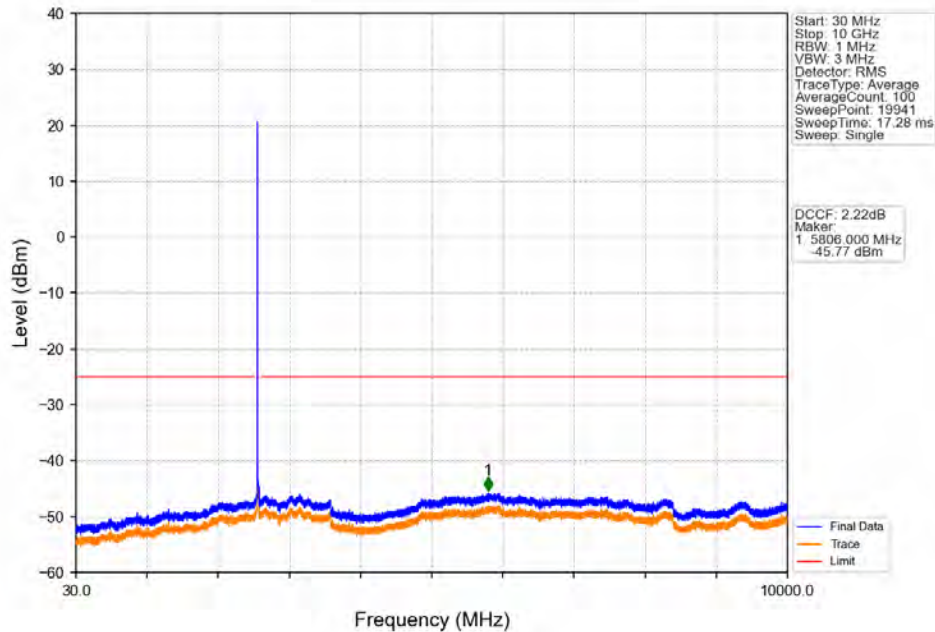
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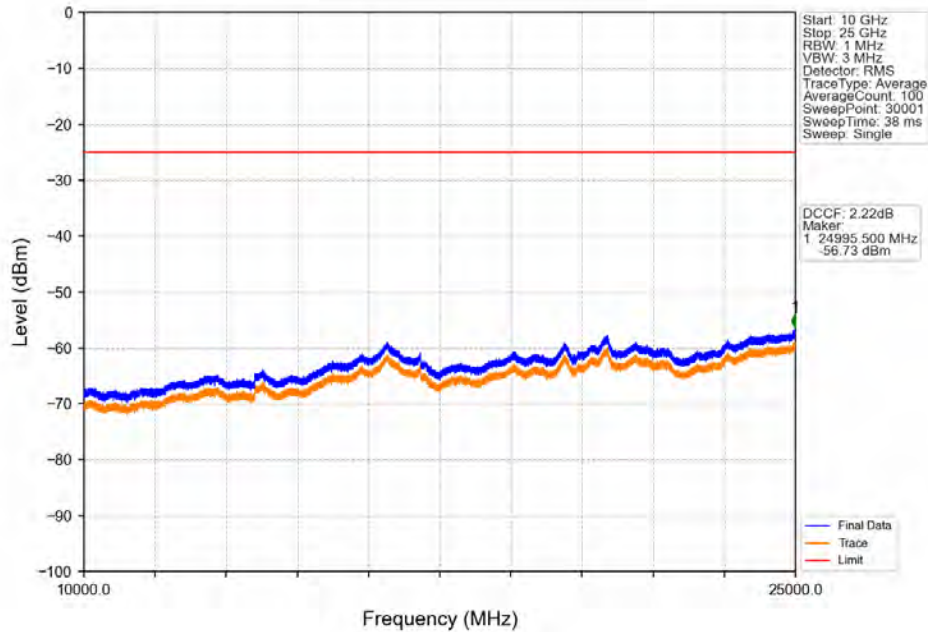
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Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



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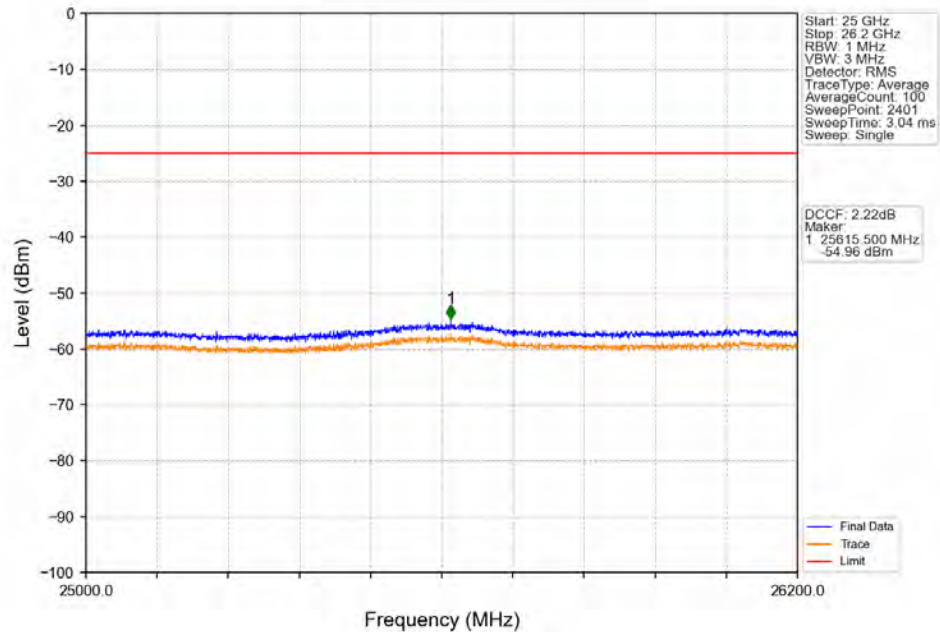
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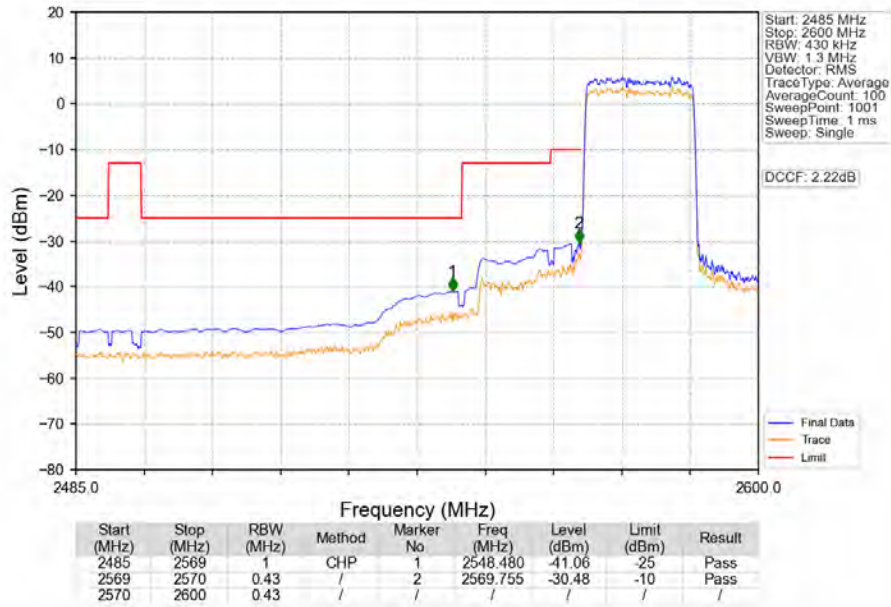
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Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTNV



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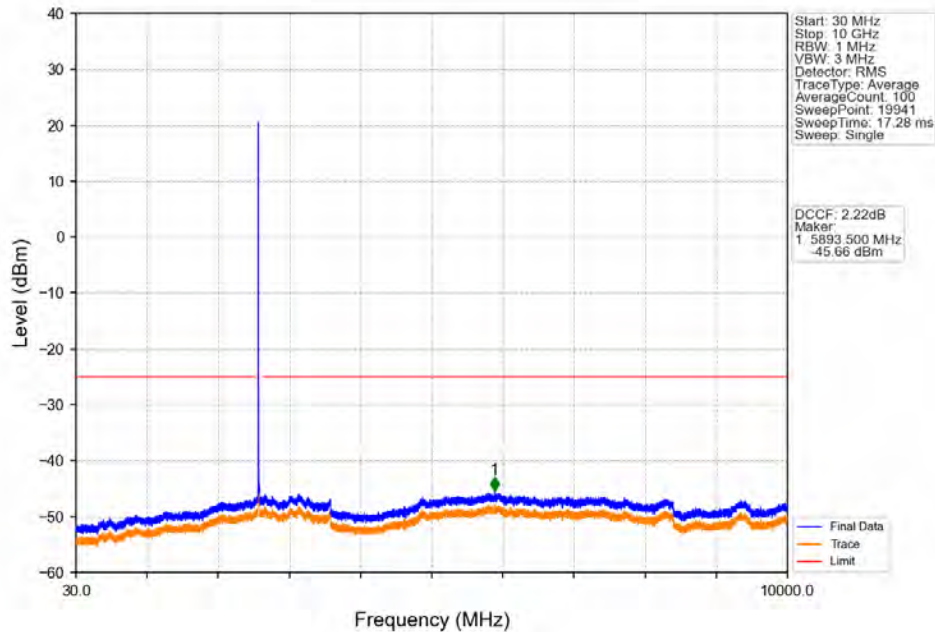
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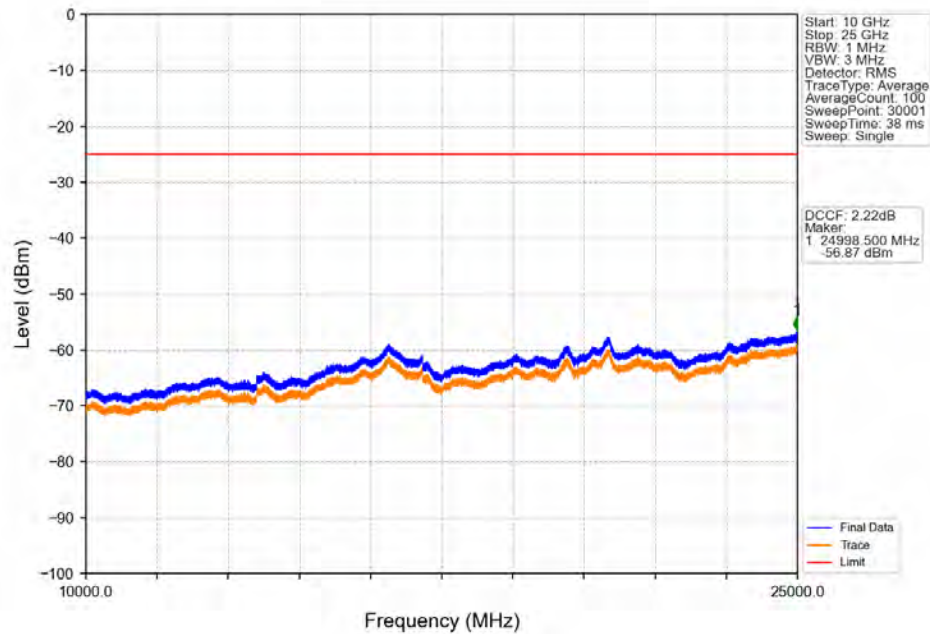
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Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



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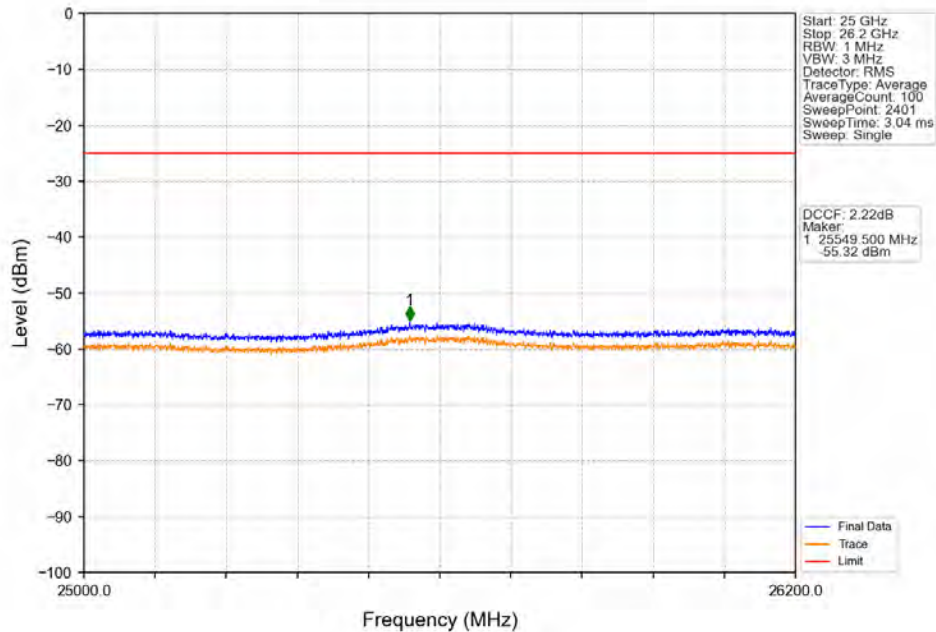
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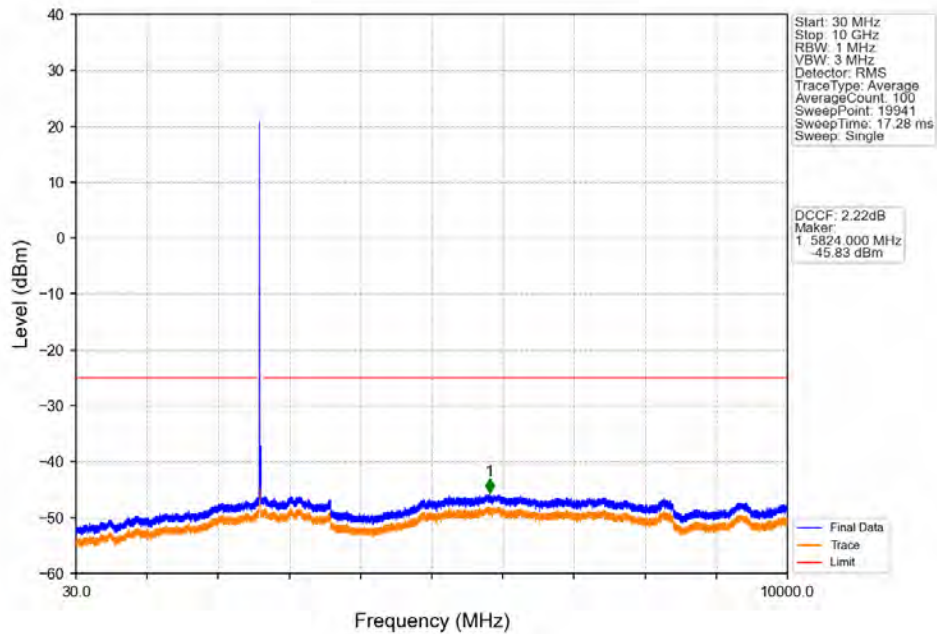
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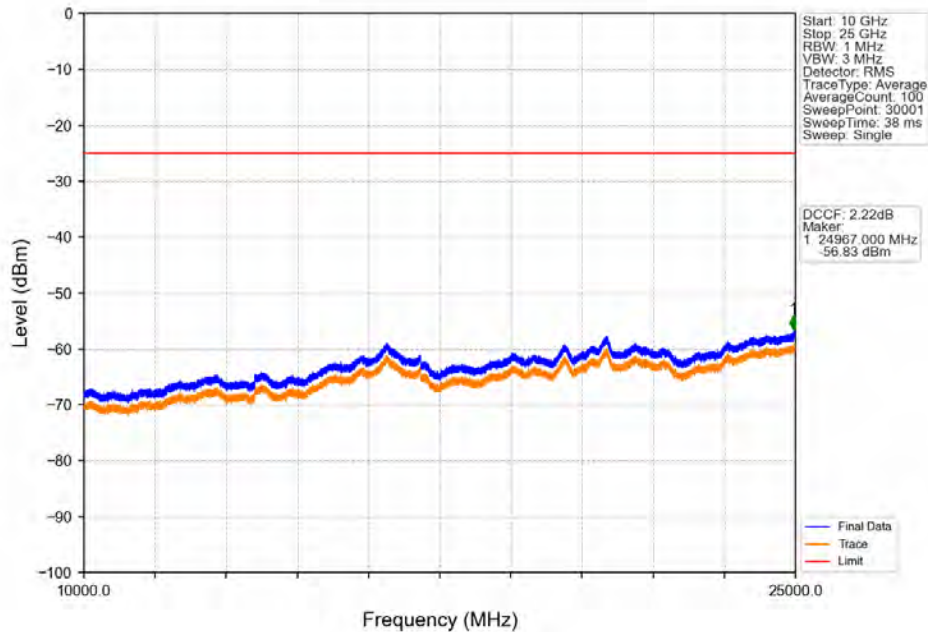
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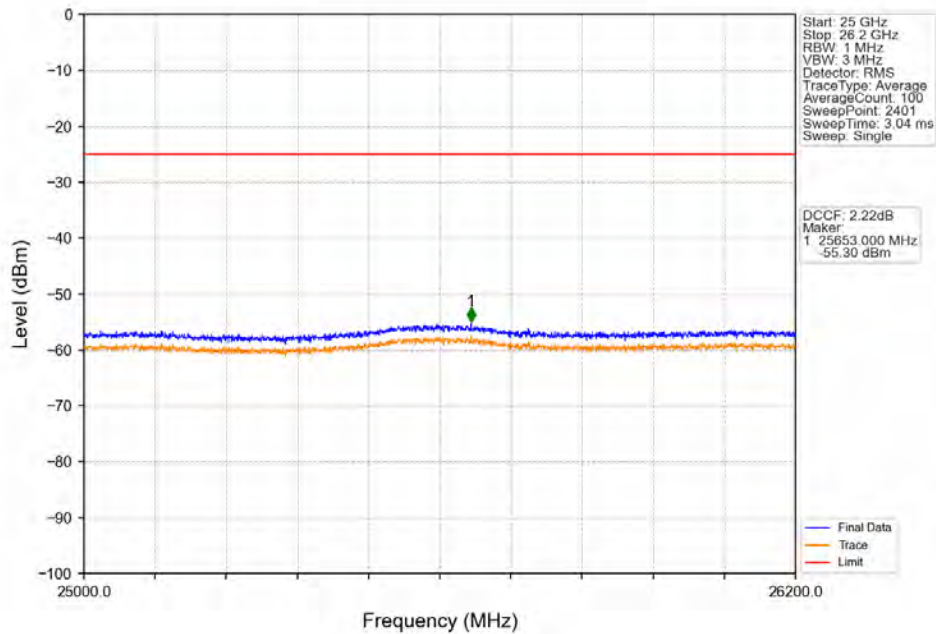
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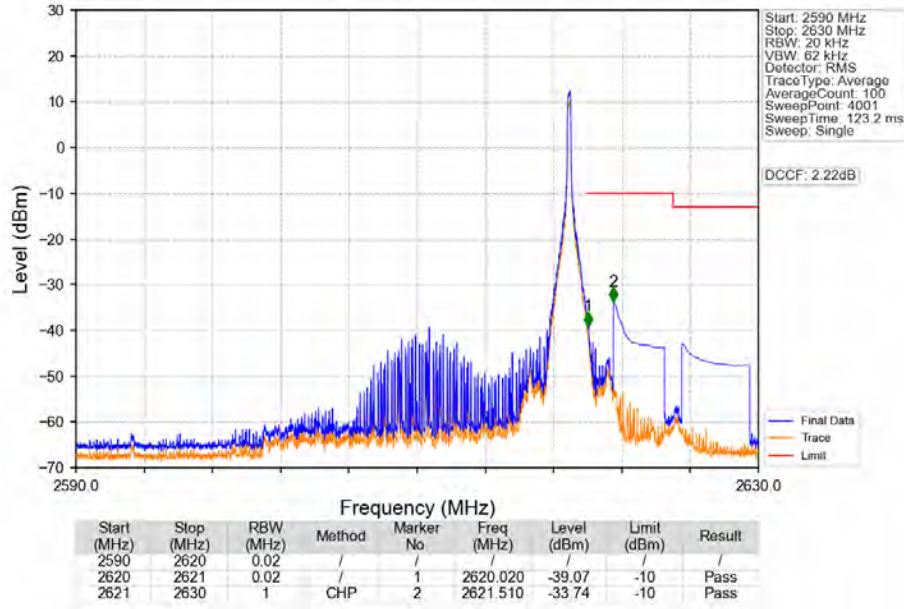
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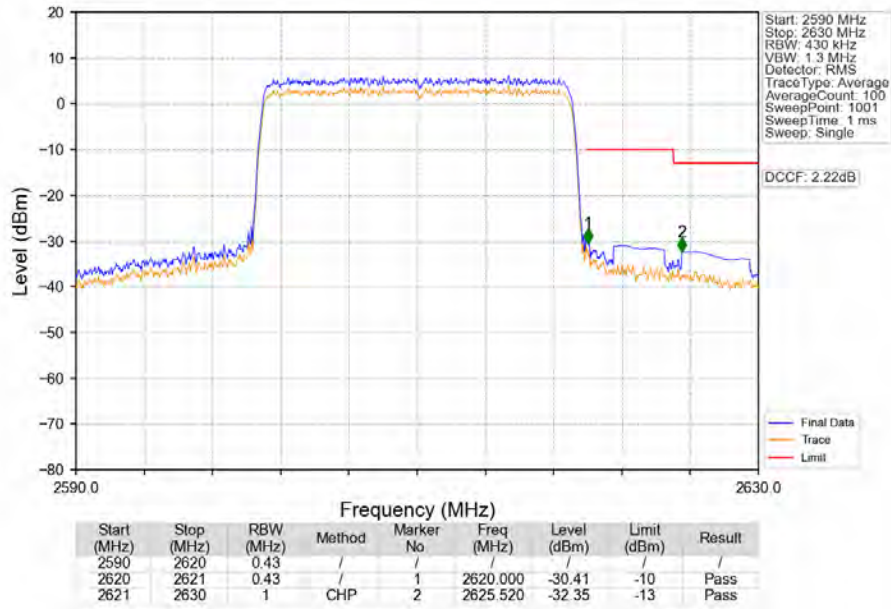
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Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



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