

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B38_5MHz_EIRP

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	21.11	-1.12	19.99	<=33.01	Pass
			13	21.21	-1.12	20.09	<=33.01	Pass
			24	18.05	-1.12	16.93	<=33.01	Pass
		12	0	18.31	-1.12	17.19	<=33.01	Pass
			6	18.39	-1.12	17.27	<=33.01	Pass
			13	18.27	-1.12	17.15	<=33.01	Pass
		25	0	18.13	-1.12	17.01	<=33.01	Pass
	2595	1	0	16.53	-1.12	15.41	<=33.01	Pass
			13	17.05	-1.12	15.93	<=33.01	Pass
			24	16.56	-1.12	15.44	<=33.01	Pass
		12	0	16.97	-1.12	15.85	<=33.01	Pass
			6	17.04	-1.12	15.92	<=33.01	Pass
			13	16.75	-1.12	15.63	<=33.01	Pass
		25	0	16.78	-1.12	15.66	<=33.01	Pass
	2617.5	1	0	17.84	-1.12	16.72	<=33.01	Pass
			13	18.18	-1.12	17.06	<=33.01	Pass
			24	18.11	-1.12	16.99	<=33.01	Pass
		12	0	18.15	-1.12	17.03	<=33.01	Pass
			6	18.29	-1.12	17.17	<=33.01	Pass
			13	18.16	-1.12	17.04	<=33.01	Pass
		25	0	18.06	-1.12	16.94	<=33.01	Pass
16QAM	2572.5	1	0	18.16	-1.12	17.04	<=33.01	Pass
			13	18.18	-1.12	17.06	<=33.01	Pass
			24	18.05	-1.12	16.93	<=33.01	Pass
		12	0	18.32	-1.12	17.20	<=33.01	Pass
			6	18.28	-1.12	17.16	<=33.01	Pass
			13	18.28	-1.12	17.16	<=33.01	Pass
		25	0	18.12	-1.12	17.00	<=33.01	Pass
	2595	1	0	16.99	-1.12	15.87	<=33.01	Pass
			13	17.09	-1.12	15.97	<=33.01	Pass
			24	17.02	-1.12	15.90	<=33.01	Pass
		12	0	16.93	-1.12	15.81	<=33.01	Pass
			6	16.99	-1.12	15.87	<=33.01	Pass
			13	16.90	-1.12	15.78	<=33.01	Pass
		25	0	16.81	-1.12	15.69	<=33.01	Pass
	2617.5	1	0	18.08	-1.12	16.96	<=33.01	Pass
			13	18.21	-1.12	17.09	<=33.01	Pass
			24	18.16	-1.12	17.04	<=33.01	Pass
		12	0	17.92	-1.12	16.80	<=33.01	Pass
			6	18.01	-1.12	16.89	<=33.01	Pass
			13	18.20	-1.12	17.08	<=33.01	Pass
		25	0	18.05	-1.12	16.93	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B38_10MHz_EIRP

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	18.49	-1.12	17.37	<=33.01	Pass	
			25	18.36	-1.12	17.24	<=33.01	Pass	
			49	17.95	-1.12	16.83	<=33.01	Pass	
		25	0	18.36	-1.12	17.24	<=33.01	Pass	
			13	18.17	-1.12	17.05	<=33.01	Pass	
			25	18.05	-1.12	16.93	<=33.01	Pass	
		50	0	18.12	-1.12	17.00	<=33.01	Pass	
		2595	1	0	17.02	-1.12	15.90	<=33.01	Pass
				25	17.23	-1.12	16.11	<=33.01	Pass
	49			16.95	-1.12	15.83	<=33.01	Pass	
	25		0	17.16	-1.12	16.04	<=33.01	Pass	
			13	17.02	-1.12	15.90	<=33.01	Pass	
			25	16.99	-1.12	15.87	<=33.01	Pass	
	50		0	17.05	-1.12	15.93	<=33.01	Pass	
	2615	1	0	17.81	-1.12	16.69	<=33.01	Pass	
			25	18.35	-1.12	17.23	<=33.01	Pass	
			49	18.11	-1.12	16.99	<=33.01	Pass	
		25	0	18.13	-1.12	17.01	<=33.01	Pass	
			13	18.11	-1.12	16.99	<=33.01	Pass	
			25	18.08	-1.12	16.96	<=33.01	Pass	
		50	0	18.03	-1.12	16.91	<=33.01	Pass	
16QAM	2575	1	0	18.26	-1.12	17.14	<=33.01	Pass	
			25	18.06	-1.12	16.94	<=33.01	Pass	
			49	17.92	-1.12	16.80	<=33.01	Pass	
		12	0	18.42	-1.12	17.30	<=33.01	Pass	
			19	18.21	-1.12	17.09	<=33.01	Pass	
			38	17.97	-1.12	16.85	<=33.01	Pass	
		27	0	18.44	-1.12	17.32	<=33.01	Pass	
		2595	1	0	16.93	-1.12	15.81	<=33.01	Pass
				25	16.92	-1.12	15.80	<=33.01	Pass
	49			16.84	-1.12	15.72	<=33.01	Pass	
	12		0	16.94	-1.12	15.82	<=33.01	Pass	
			19	16.95	-1.12	15.83	<=33.01	Pass	
			38	16.98	-1.12	15.86	<=33.01	Pass	
	27		0	16.88	-1.12	15.76	<=33.01	Pass	
	2615	1	0	17.76	-1.12	16.64	<=33.01	Pass	
			25	18.31	-1.12	17.19	<=33.01	Pass	
			49	18.26	-1.12	17.14	<=33.01	Pass	
		12	0	18.03	-1.12	16.91	<=33.01	Pass	
			19	18.23	-1.12	17.11	<=33.01	Pass	
			38	18.17	-1.12	17.05	<=33.01	Pass	
		27	23	18.05	-1.12	16.93	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.3 B38_15MHz_EIRP

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	18.25	-1.12	17.13	<=33.01	Pass
			38	18.06	-1.12	16.94	<=33.01	Pass
			74	17.42	-1.12	16.30	<=33.01	Pass
		36	0	18.23	-1.12	17.11	<=33.01	Pass
			18	18.27	-1.12	17.15	<=33.01	Pass

			39	17.84	-1.12	16.72	<=33.01	Pass	
		75	0	18.19	-1.12	17.07	<=33.01	Pass	
	2595	1	0	16.92	-1.12	15.80	<=33.01	Pass	
			38	16.88	-1.12	15.76	<=33.01	Pass	
			74	17.20	-1.12	16.08	<=33.01	Pass	
		36	0	16.97	-1.12	15.85	<=33.01	Pass	
			18	17.04	-1.12	15.92	<=33.01	Pass	
			39	16.93	-1.12	15.81	<=33.01	Pass	
		75	0	16.93	-1.12	15.81	<=33.01	Pass	
	2612.5	1	0	17.48	-1.12	16.36	<=33.01	Pass	
			38	18.10	-1.12	16.98	<=33.01	Pass	
			74	18.16	-1.12	17.04	<=33.01	Pass	
		36	0	17.89	-1.12	16.77	<=33.01	Pass	
			18	18.10	-1.12	16.98	<=33.01	Pass	
			39	18.09	-1.12	16.97	<=33.01	Pass	
		75	0	18.06	-1.12	16.94	<=33.01	Pass	
16QAM	2577.5	1	0	18.42	-1.12	17.30	<=33.01	Pass	
			38	18.31	-1.12	17.19	<=33.01	Pass	
			74	17.68	-1.12	16.56	<=33.01	Pass	
		12	0	18.19	-1.12	17.07	<=33.01	Pass	
			31	18.30	-1.12	17.18	<=33.01	Pass	
			63	17.72	-1.12	16.60	<=33.01	Pass	
		27	0	18.34	-1.12	17.22	<=33.01	Pass	
	2595	1	0	16.98	-1.12	15.86	<=33.01	Pass	
			38	16.76	-1.12	15.64	<=33.01	Pass	
			74	16.98	-1.12	15.86	<=33.01	Pass	
		12	0	17.18	-1.12	16.06	<=33.01	Pass	
			31	17.00	-1.12	15.88	<=33.01	Pass	
			63	16.92	-1.12	15.80	<=33.01	Pass	
		27	0	17.11	-1.12	15.99	<=33.01	Pass	
	2612.5	1	0	17.43	-1.12	16.31	<=33.01	Pass	
			38	18.03	-1.12	16.91	<=33.01	Pass	
			74	18.15	-1.12	17.03	<=33.01	Pass	
		12	0	17.49	-1.12	16.37	<=33.01	Pass	
			31	17.91	-1.12	16.79	<=33.01	Pass	
			63	17.99	-1.12	16.87	<=33.01	Pass	
		27	48	18.20	-1.12	17.08	<=33.01	Pass	
	Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B38_20MHz_EIRP

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	17.95	-1.12	16.83	<=33.01	Pass
			50	18.23	-1.12	17.11	<=33.01	Pass
			99	16.82	-1.12	15.70	<=33.01	Pass
		50	0	18.27	-1.12	17.15	<=33.01	Pass
			25	17.88	-1.12	16.76	<=33.01	Pass
			50	17.67	-1.12	16.55	<=33.01	Pass
		100	0	17.99	-1.12	16.87	<=33.01	Pass
	2595	1	0	17.13	-1.12	16.01	<=33.01	Pass
			50	16.99	-1.12	15.87	<=33.01	Pass
			99	17.04	-1.12	15.92	<=33.01	Pass
		50	0	17.04	-1.12	15.92	<=33.01	Pass
			25	17.04	-1.12	15.92	<=33.01	Pass
			50	16.97	-1.12	15.85	<=33.01	Pass

		100	0	16.99	-1.12	15.87	<=33.01	Pass
	2610	1	0	16.94	-1.12	15.82	<=33.01	Pass
			50	18.14	-1.12	17.02	<=33.01	Pass
			99	17.88	-1.12	16.76	<=33.01	Pass
			0	17.54	-1.12	16.42	<=33.01	Pass
		50	25	17.75	-1.12	16.63	<=33.01	Pass
			50	18.06	-1.12	16.94	<=33.01	Pass
			0	17.79	-1.12	16.67	<=33.01	Pass
		100	0	17.79	-1.12	16.67	<=33.01	Pass
16QAM	2580	1	0	18.25	-1.12	17.13	<=33.01	Pass
			50	18.20	-1.12	17.08	<=33.01	Pass
			99	17.02	-1.12	15.90	<=33.01	Pass
		12	0	18.02	-1.12	16.90	<=33.01	Pass
			44	17.99	-1.12	16.87	<=33.01	Pass
			88	17.07	-1.12	15.95	<=33.01	Pass
		27	0	18.10	-1.12	16.98	<=33.01	Pass
	2595	1	0	17.29	-1.12	16.17	<=33.01	Pass
			50	17.23	-1.12	16.11	<=33.01	Pass
			99	16.76	-1.12	15.64	<=33.01	Pass
		12	0	17.11	-1.12	15.99	<=33.01	Pass
			44	17.07	-1.12	15.95	<=33.01	Pass
			88	17.17	-1.12	16.05	<=33.01	Pass
		27	0	17.17	-1.12	16.05	<=33.01	Pass
	2610	1	0	16.82	-1.12	15.70	<=33.01	Pass
			50	18.02	-1.12	16.90	<=33.01	Pass
			99	18.27	-1.12	17.15	<=33.01	Pass
		12	0	16.86	-1.12	15.74	<=33.01	Pass
			44	17.68	-1.12	16.56	<=33.01	Pass
			88	17.83	-1.12	16.71	<=33.01	Pass
		27	73	17.96	-1.12	16.84	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B38_5MHz

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	3.27	-14.749	-0.0057	-2.5 to 2.5	Pass
					3.85	-6.366	-0.0025	-2.5 to 2.5	Pass
					4.43	-9.384	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-6.595	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-10.872	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-18.725	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-18.668	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-28.853	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-22.731	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-29.626	-0.0115	-2.5 to 2.5	Pass
				50	3.85	-27.194	-0.0106	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	-18.740	-0.0072	-2.5 to 2.5	Pass
					3.85	-18.296	-0.0071	-2.5 to 2.5	Pass
					4.43	6.180	0.0024	-2.5 to 2.5	Pass
				-30	3.85	4.320	0.0017	-2.5 to 2.5	Pass
				-20	3.85	2.675	0.0010	-2.5 to 2.5	Pass

				-10	3.85	11.501	0.0044	-2.5 to 2.5	Pass
				0	3.85	11.573	0.0045	-2.5 to 2.5	Pass
				10	3.85	3.204	0.0012	-2.5 to 2.5	Pass
				30	3.85	25.306	0.0098	-2.5 to 2.5	Pass
				40	3.85	14.262	0.0055	-2.5 to 2.5	Pass
				50	3.85	14.677	0.0057	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	-2.375	-0.0009	-2.5 to 2.5	Pass
					3.85	-11.559	-0.0044	-2.5 to 2.5	Pass
					4.43	-6.967	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-37.336	-0.0143	-2.5 to 2.5	Pass
				-20	3.85	-36.864	-0.0141	-2.5 to 2.5	Pass
				-10	3.85	-40.812	-0.0156	-2.5 to 2.5	Pass
				0	3.85	-20.456	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-35.691	-0.0136	-2.5 to 2.5	Pass
				30	3.85	-25.234	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-28.467	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-33.989	-0.0130	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	3.27	-28.453	-0.0111	-2.5 to 2.5	Pass
					3.85	-47.650	-0.0185	-2.5 to 2.5	Pass
					4.43	-43.559	-0.0169	-2.5 to 2.5	Pass
				-30	3.85	-50.941	-0.0198	-2.5 to 2.5	Pass
				-20	3.85	-41.156	-0.0160	-2.5 to 2.5	Pass
				-10	3.85	-48.280	-0.0188	-2.5 to 2.5	Pass
				0	3.85	-51.827	-0.0201	-2.5 to 2.5	Pass
				10	3.85	-63.500	-0.0247	-2.5 to 2.5	Pass
				30	3.85	-51.241	-0.0199	-2.5 to 2.5	Pass
				40	3.85	-59.280	-0.0230	-2.5 to 2.5	Pass
				50	3.85	-56.763	-0.0221	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	16.351	0.0063	-2.5 to 2.5	Pass
					3.85	21.672	0.0084	-2.5 to 2.5	Pass
					4.43	21.343	0.0082	-2.5 to 2.5	Pass
				-30	3.85	31.943	0.0123	-2.5 to 2.5	Pass
				-20	3.85	30.570	0.0118	-2.5 to 2.5	Pass
				-10	3.85	24.433	0.0094	-2.5 to 2.5	Pass
				0	3.85	24.290	0.0094	-2.5 to 2.5	Pass
				10	3.85	29.254	0.0113	-2.5 to 2.5	Pass
				30	3.85	24.376	0.0094	-2.5 to 2.5	Pass
				40	3.85	29.426	0.0113	-2.5 to 2.5	Pass
				50	3.85	30.227	0.0116	-2.5 to 2.5	Pass
	2617.5	25	0	20	3.27	-48.952	-0.0187	-2.5 to 2.5	Pass
					3.85	-43.859	-0.0168	-2.5 to 2.5	Pass
					4.43	-45.204	-0.0173	-2.5 to 2.5	Pass
				-30	3.85	-44.832	-0.0171	-2.5 to 2.5	Pass
				-20	3.85	-67.720	-0.0259	-2.5 to 2.5	Pass
				-10	3.85	-62.513	-0.0239	-2.5 to 2.5	Pass
				0	3.85	-53.244	-0.0203	-2.5 to 2.5	Pass
				10	3.85	-54.374	-0.0208	-2.5 to 2.5	Pass
				30	3.85	-66.032	-0.0252	-2.5 to 2.5	Pass
				40	3.85	-69.122	-0.0264	-2.5 to 2.5	Pass
				50	3.85	-73.757	-0.0282	-2.5 to 2.5	Pass

2.1.2 B38_10MHz

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	
QPSK	2575	50	0	20	3.27	-0.944	-0.0004	-2.5 to 2.5	Pass

					3.85	1.559	0.0006	-2.5 to 2.5	Pass
					4.43	-3.190	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-11.859	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-11.029	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-9.613	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-9.127	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-4.506	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-10.386	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-4.206	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-0.901	-0.0003	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-4.048	-0.0016	-2.5 to 2.5	Pass
					3.85	-3.376	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.273	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-6.566	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-11.287	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-4.148	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-5.407	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-8.698	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-5.822	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-1.044	-0.0004	-2.5 to 2.5	Pass
				50	3.85	1.845	0.0007	-2.5 to 2.5	Pass
	2615	50	0	20	3.27	-3.676	-0.0014	-2.5 to 2.5	Pass
					3.85	-7.582	-0.0029	-2.5 to 2.5	Pass
					4.43	-13.418	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-11.187	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-9.284	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-11.787	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-3.605	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-11.859	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-10.643	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-5.236	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-14.548	-0.0056	-2.5 to 2.5	Pass
16QAM	2575	27	0	20	3.27	-9.885	-0.0038	-2.5 to 2.5	Pass
					3.85	-2.975	-0.0012	-2.5 to 2.5	Pass
					4.43	0.000	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.758	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-12.174	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-7.896	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-8.426	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-2.890	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.536	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-11.287	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-6.380	-0.0025	-2.5 to 2.5	Pass
	2595	27	0	20	3.27	1.960	0.0008	-2.5 to 2.5	Pass
					3.85	-2.303	-0.0009	-2.5 to 2.5	Pass
					4.43	-12.002	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-6.051	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-7.167	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-4.249	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.443	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-7.024	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-9.155	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-0.329	-0.0001	-2.5 to 2.5	Pass
	2615	27	23	20	3.27	-8.440	-0.0032	-2.5 to 2.5	Pass
					3.85	-7.439	-0.0028	-2.5 to 2.5	Pass
					4.43	-12.989	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-7.868	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-17.352	-0.0066	-2.5 to 2.5	Pass

				-10	3.85	-6.065	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-16.851	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-12.202	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-14.377	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-16.351	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-8.340	-0.0032	-2.5 to 2.5	Pass

2.1.3 B38_15MHz

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	
QPSK	2577.5	75	0	20	3.27	-10.343	-0.0040	-2.5 to 2.5	Pass
					3.85	-4.134	-0.0016	-2.5 to 2.5	Pass
					4.43	-4.649	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-2.418	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-9.956	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-5.608	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-6.294	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-6.895	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-7.052	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-12.989	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-7.267	-0.0028	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-13.633	-0.0053	-2.5 to 2.5	Pass
					3.85	0.186	0.0001	-2.5 to 2.5	Pass
					4.43	-9.055	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-7.453	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-4.435	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-7.324	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-6.852	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-3.190	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-8.111	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-9.871	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-5.751	-0.0022	-2.5 to 2.5	Pass
	2612.5	75	0	20	3.27	-10.471	-0.0040	-2.5 to 2.5	Pass
					3.85	-5.565	-0.0021	-2.5 to 2.5	Pass
					4.43	-9.012	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.787	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-9.613	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-2.303	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-7.768	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-9.599	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-8.812	-0.0034	-2.5 to 2.5	Pass
16QAM	2577.5	27	0	20	3.27	-8.512	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.251	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.722	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-7.896	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-6.309	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-12.603	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-3.119	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-12.589	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-14.906	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-7.811	-0.0030	-2.5 to 2.5	Pass
				50	3.85	0.029	0.0000	-2.5 to 2.5	Pass
	2595	27	0	20	3.27	-5.422	-0.0021	-2.5 to 2.5	Pass

					3.85	-2.260	-0.0009	-2.5 to 2.5	Pass
					4.43	-4.978	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.492	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-3.390	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-8.883	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-11.916	-0.0046	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.559	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-7.782	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-8.340	-0.0032	-2.5 to 2.5	Pass
	2612.5	27	48	20	3.27	-8.554	-0.0033	-2.5 to 2.5	Pass
					3.85	-4.191	-0.0016	-2.5 to 2.5	Pass
					4.43	-7.825	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-7.925	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-9.699	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-4.921	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.731	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-14.234	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-0.758	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-5.908	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-10.471	-0.0040	-2.5 to 2.5	Pass

2.1.4 B38_20MHz

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	-2.017	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.674	-0.0006	-2.5 to 2.5	Pass
					4.43	-4.835	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-5.779	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-5.693	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.980	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-3.734	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-8.955	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-3.848	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-7.339	-0.0028	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-8.554	-0.0033	-2.5 to 2.5	Pass
					3.85	-4.821	-0.0019	-2.5 to 2.5	Pass
					4.43	-7.267	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-4.950	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-8.497	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-7.153	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-3.190	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-6.695	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.702	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.860	-0.0007	-2.5 to 2.5	Pass
	2610	100	0	20	3.27	-5.665	-0.0022	-2.5 to 2.5	Pass
					3.85	-8.254	-0.0032	-2.5 to 2.5	Pass
					4.43	-6.766	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-10.057	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-12.617	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-14.477	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-10.557	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-3.233	-0.0012	-2.5 to 2.5	Pass

				30	3.85	-8.440	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-2.975	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-12.088	-0.0046	-2.5 to 2.5	Pass
16QAM	2580	27	0	20	3.27	-1.531	-0.0006	-2.5 to 2.5	Pass
					3.85	-2.875	-0.0011	-2.5 to 2.5	Pass
					4.43	-4.721	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-4.792	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.619	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	2.046	0.0008	-2.5 to 2.5	Pass
				0	3.85	-7.882	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-8.140	-0.0032	-2.5 to 2.5	Pass
				30	3.85	4.878	0.0019	-2.5 to 2.5	Pass
				40	3.85	1.516	0.0006	-2.5 to 2.5	Pass
				50	3.85	-7.710	-0.0030	-2.5 to 2.5	Pass
	2595	27	0	20	3.27	1.745	0.0007	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0012	-2.5 to 2.5	Pass
					4.43	-4.563	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-7.482	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-2.475	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.916	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.987	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-4.764	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-8.941	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-2.003	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-6.022	-0.0023	-2.5 to 2.5	Pass
	2610	27	73	20	3.27	-18.353	-0.0070	-2.5 to 2.5	Pass
					3.85	-9.069	-0.0035	-2.5 to 2.5	Pass
					4.43	-5.908	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-7.968	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-1.259	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-5.093	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-11.158	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-2.203	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-9.699	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-7.896	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-3.061	-0.0012	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	25	0	Refer To Test Graph		Pass
16QAM	2595	25	0	Refer To Test Graph		Pass

3.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	50	0	Refer To Test Graph		Pass

16QAM	2595	27	0	Refer To Test Graph	Pass
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3.1.3 B38_15MHz

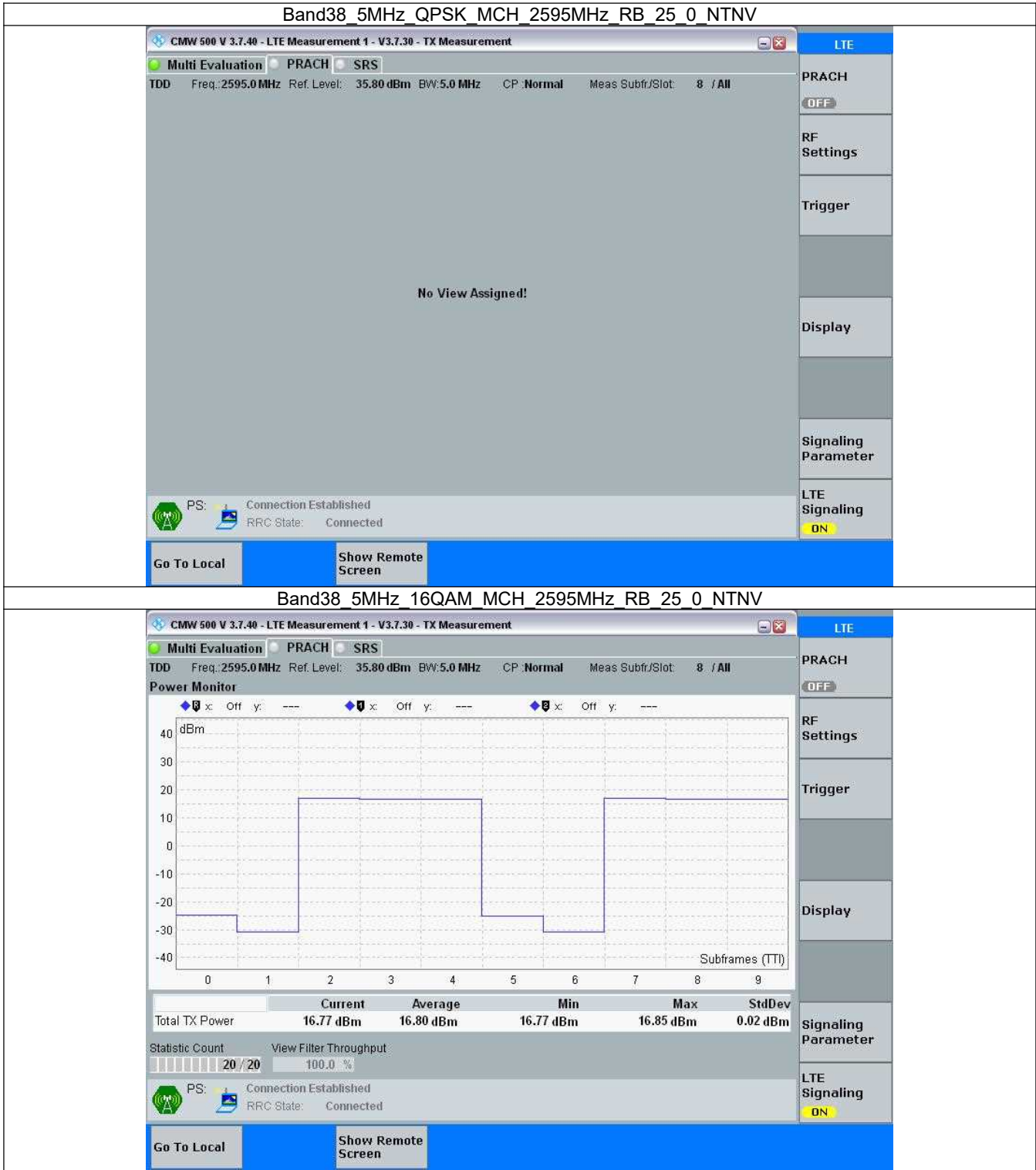
Band: 38 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	75	0	Refer To Test Graph		Pass
16QAM	2595	27	0	Refer To Test Graph		Pass

3.1.4 B38_20MHz

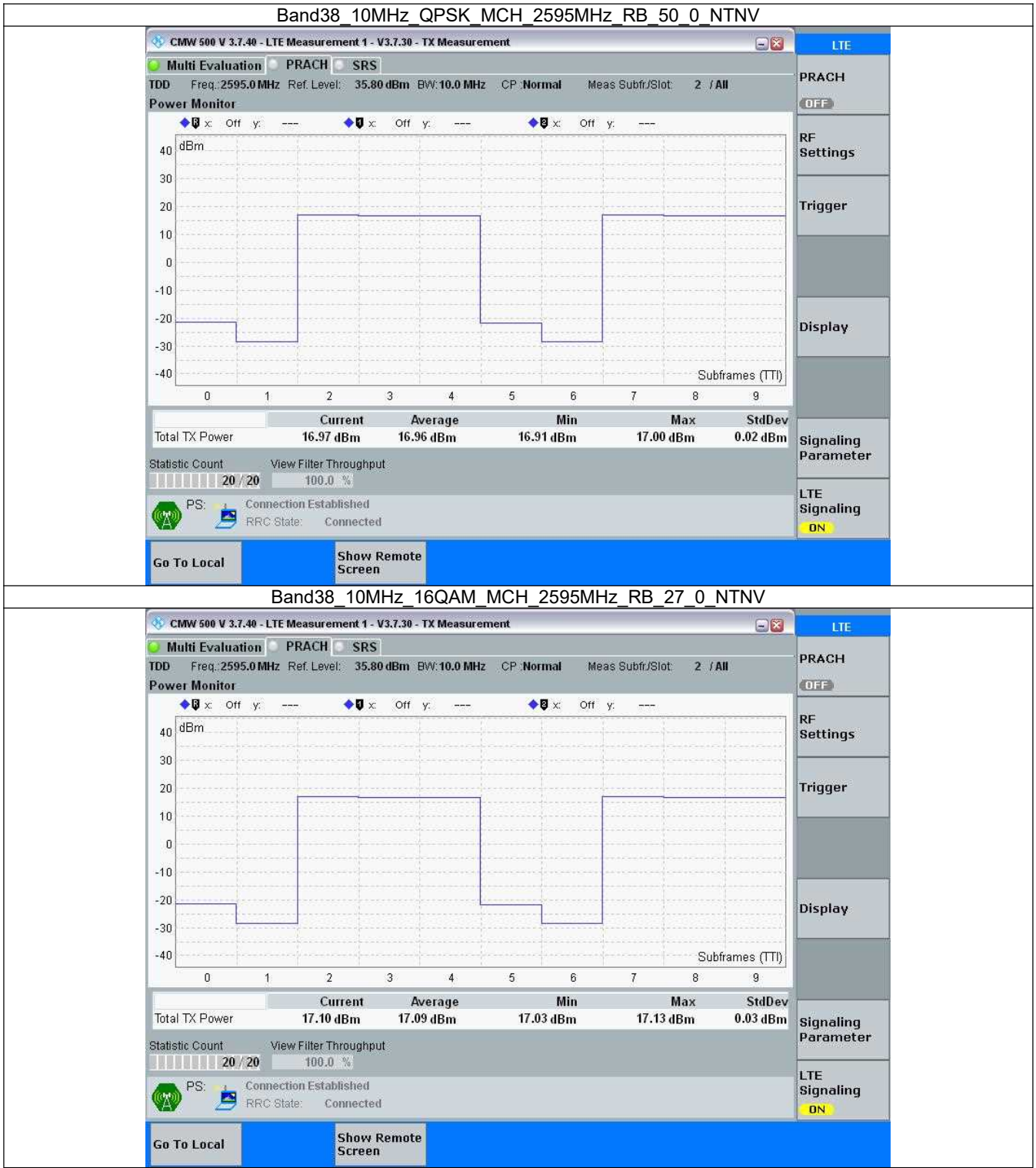
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	Refer To Test Graph		Pass
16QAM	2595	27	0	Refer To Test Graph		Pass

3.2 Test Graph

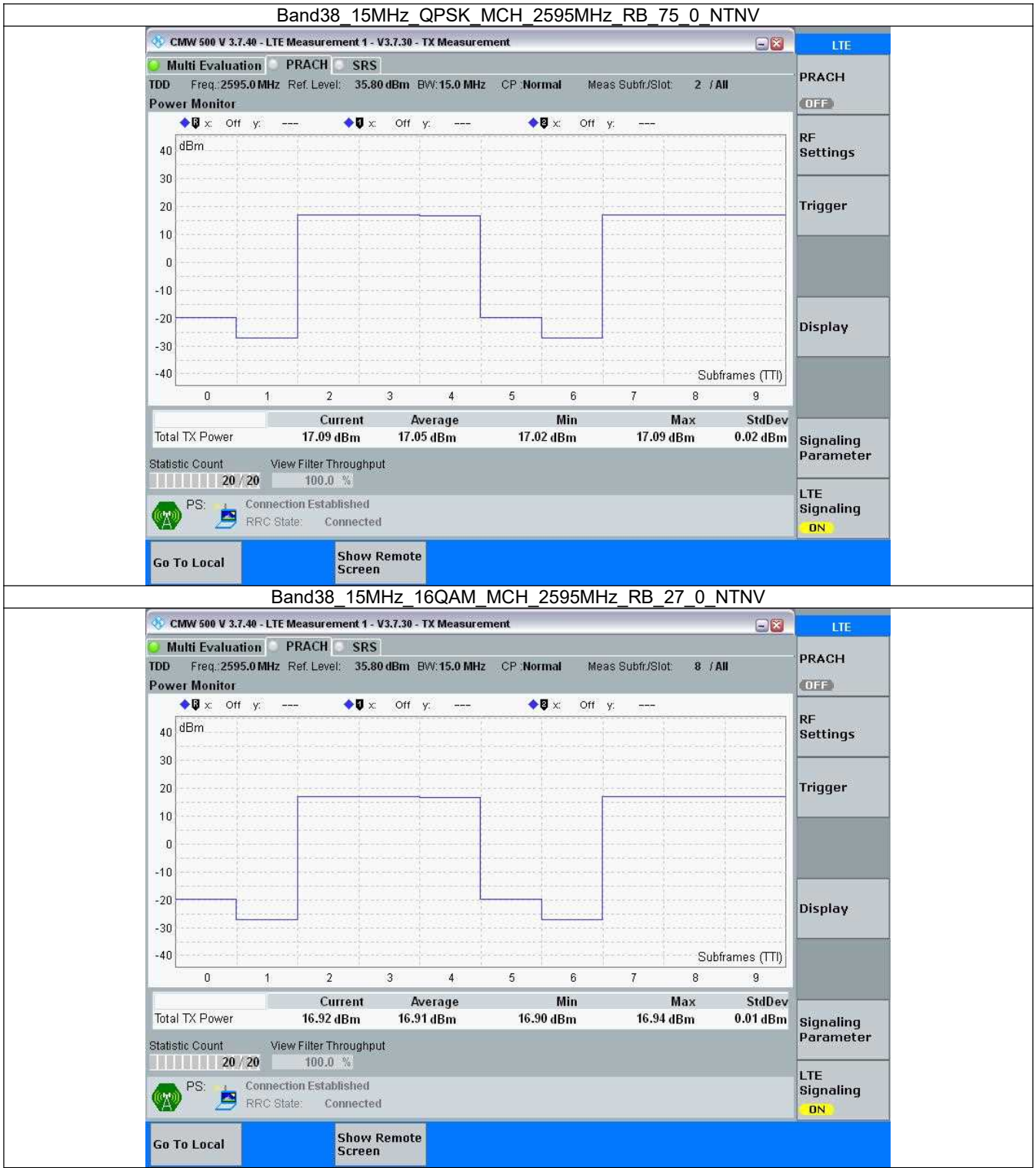
3.2.1 B38_5MHz



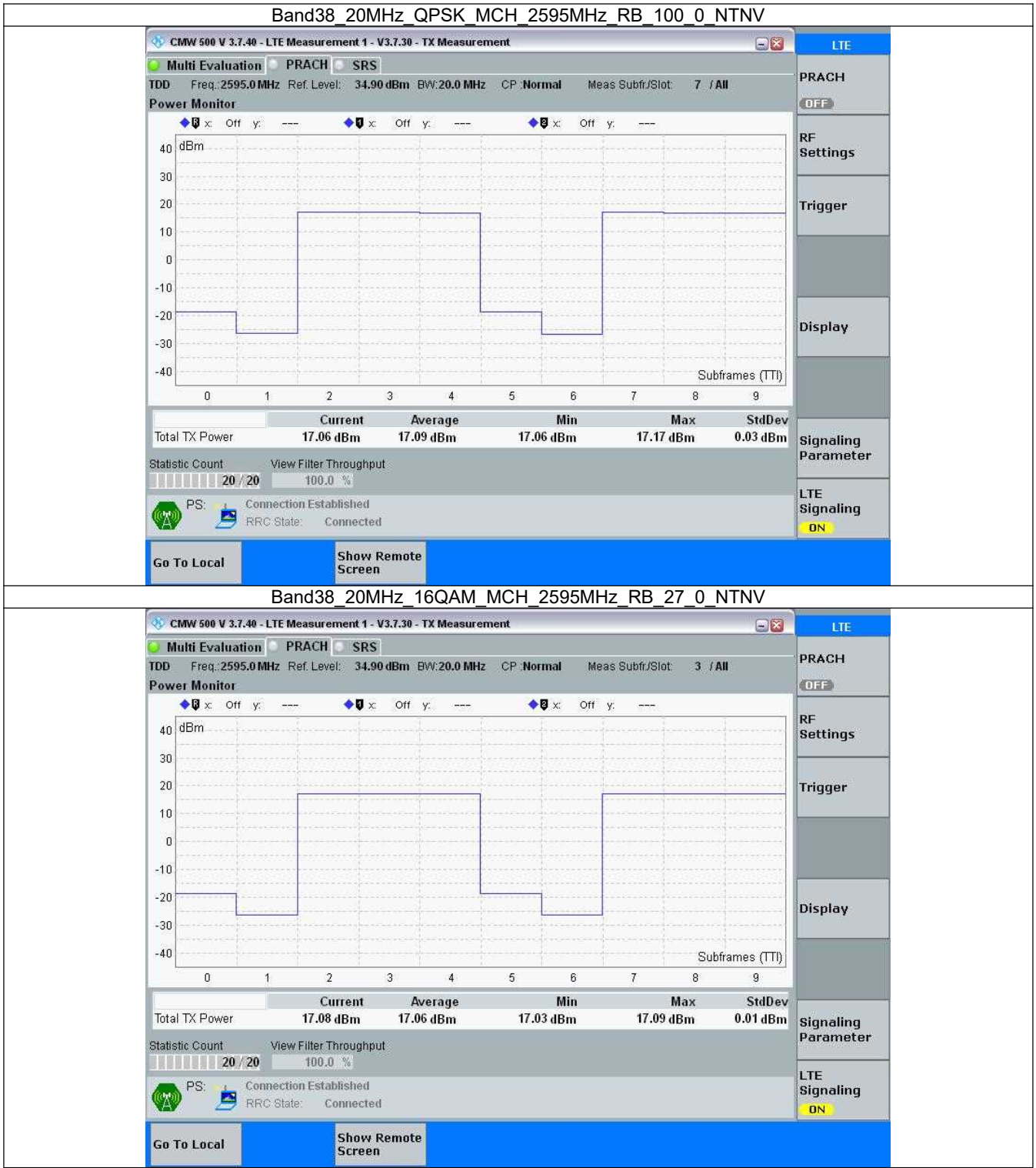
3.2.2 B38_10MHz



3.2.3 B38_15MHz



3.2.4 B38_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band38_OBW

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	4.532	/	Pass
		2595	25	0	4.544	/	Pass
		2617.5	25	0	4.538	/	Pass
	16QAM	2572.5	25	0	4.528	/	Pass
		2595	25	0	4.536	/	Pass
		2617.5	25	0	4.526	/	Pass
10	QPSK	2575	50	0	9.045	/	Pass
		2595	50	0	9.047	/	Pass
		2615	50	0	9.054	/	Pass
	16QAM	2575	27	0	5.070	/	Pass
		2595	27	0	5.051	/	Pass
		2615	27	23	5.047	/	Pass
15	QPSK	2577.5	75	0	13.520	/	Pass
		2595	75	0	13.549	/	Pass
		2612.5	75	0	13.585	/	Pass
	16QAM	2577.5	27	0	5.284	/	Pass
		2595	27	0	5.332	/	Pass
		2612.5	27	48	5.274	/	Pass
20	QPSK	2580	100	0	18.156	/	Pass
		2595	100	0	18.061	/	Pass
		2610	100	0	18.077	/	Pass
	16QAM	2580	27	0	5.508	/	Pass
		2595	27	0	5.464	/	Pass
		2610	27	73	5.467	/	Pass

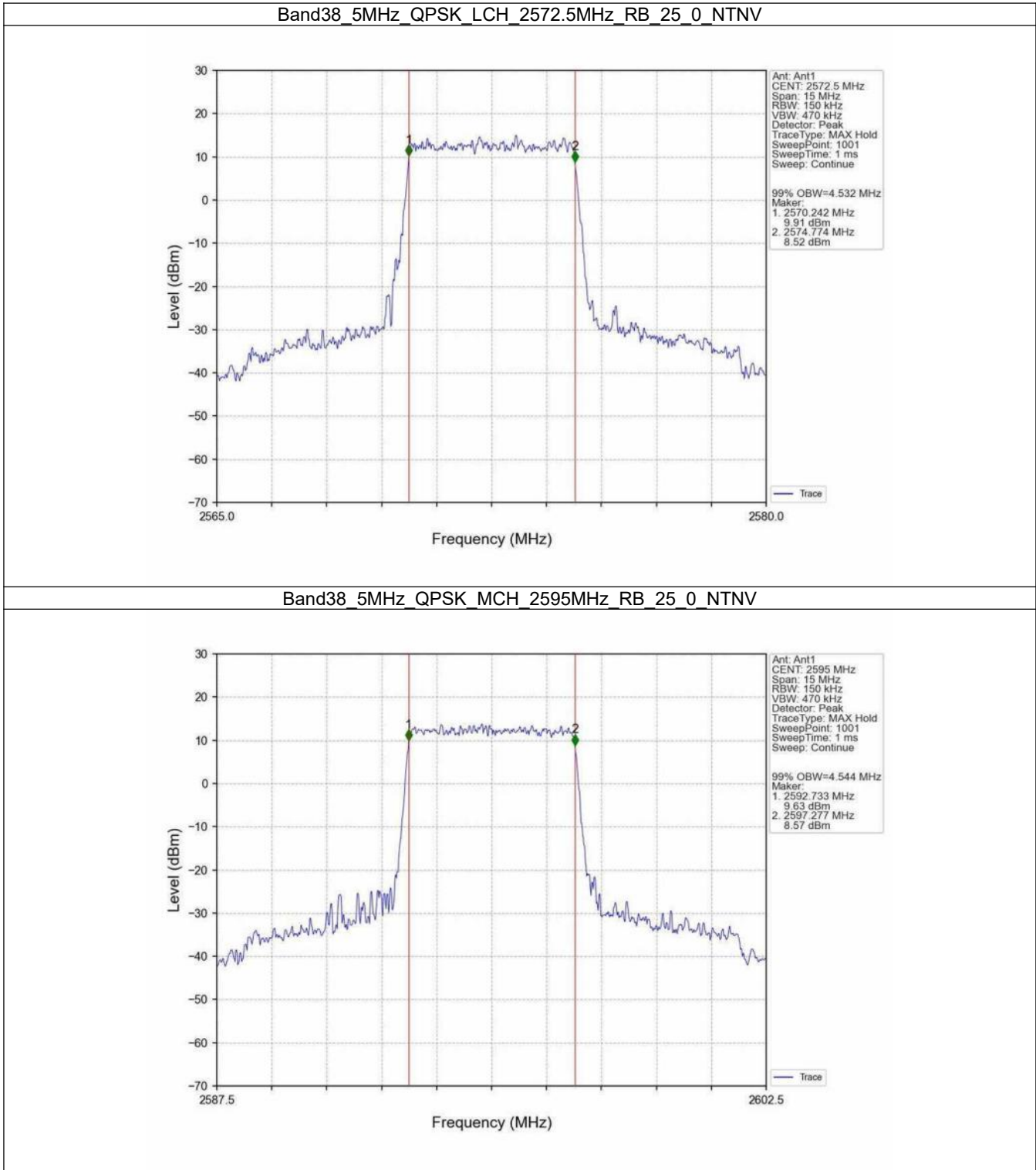
4.1.2 Band38_XDB

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	4.989	/	Pass
		2595	25	0	4.964	/	Pass
		2617.5	25	0	4.991	/	Pass
	16QAM	2572.5	25	0	4.995	/	Pass
		2595	25	0	5.006	/	Pass
		2617.5	25	0	4.991	/	Pass
10	QPSK	2575	50	0	9.810	/	Pass
		2595	50	0	9.910	/	Pass
		2615	50	0	9.834	/	Pass
	16QAM	2575	27	0	6.212	/	Pass
		2595	27	0	5.999	/	Pass
		2615	27	23	6.059	/	Pass
15	QPSK	2577.5	75	0	14.763	/	Pass
		2595	75	0	14.708	/	Pass
		2612.5	75	0	14.914	/	Pass

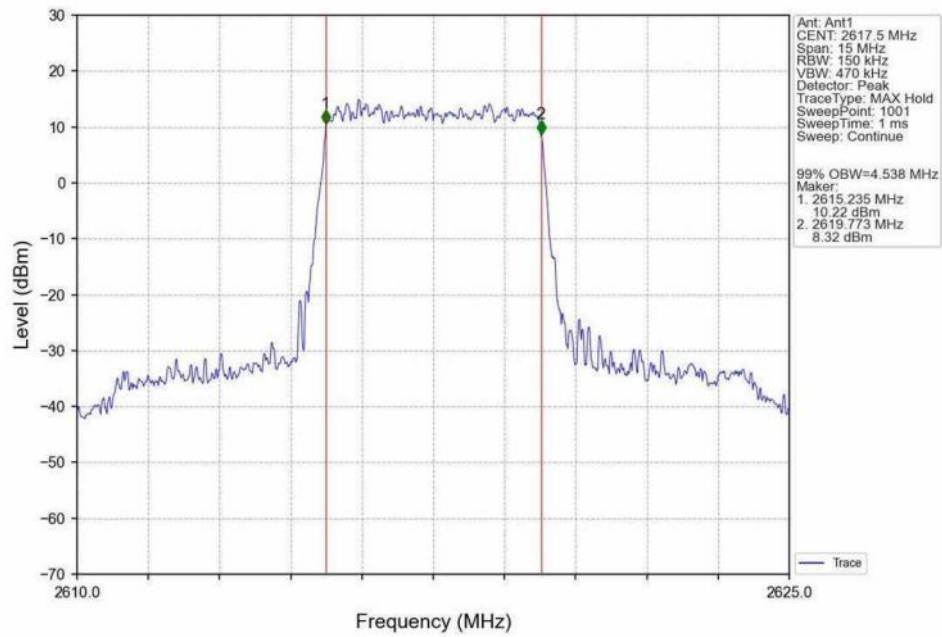
	16QAM	2577.5	27	0	6.508	/	Pass
		2595	27	0	6.799	/	Pass
		2612.5	27	48	6.514	/	Pass
20	QPSK	2580	100	0	19.807	/	Pass
		2595	100	0	19.597	/	Pass
		2610	100	0	19.791	/	Pass
	16QAM	2580	27	0	6.934	/	Pass
		2595	27	0	6.922	/	Pass
		2610	27	73	6.866	/	Pass

4.2 Test Graph

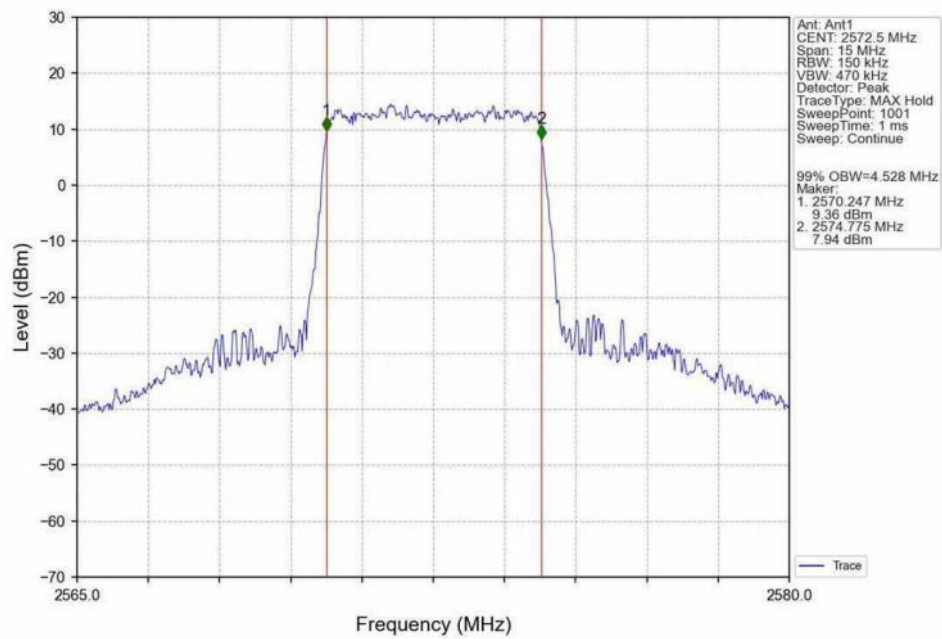
4.2.1 Band38_OBW



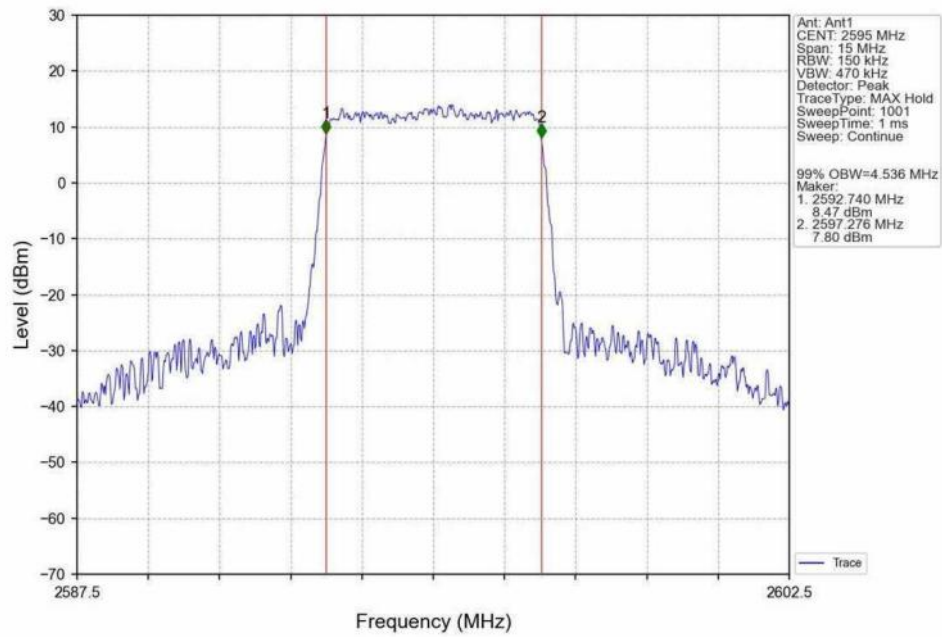
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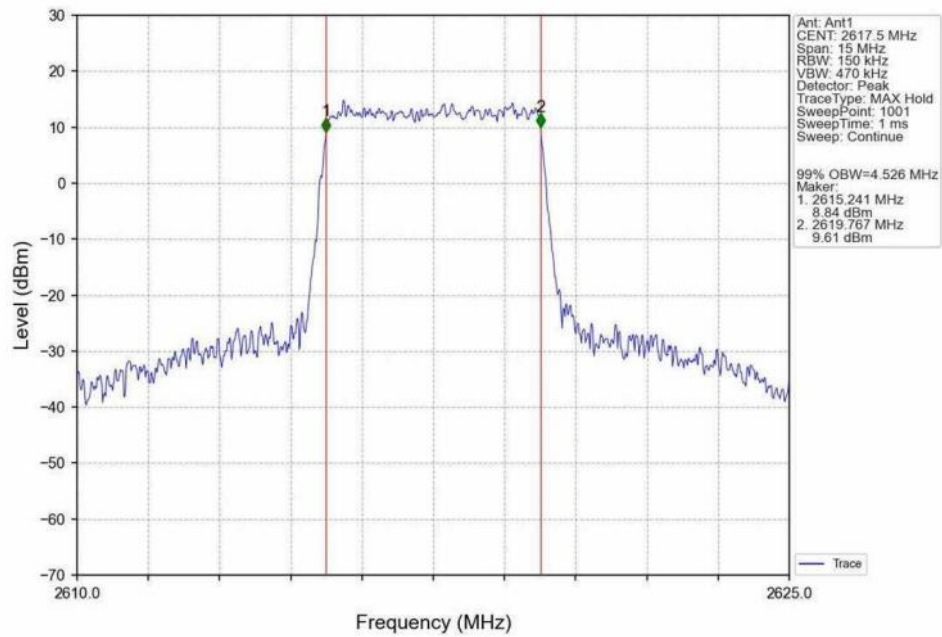
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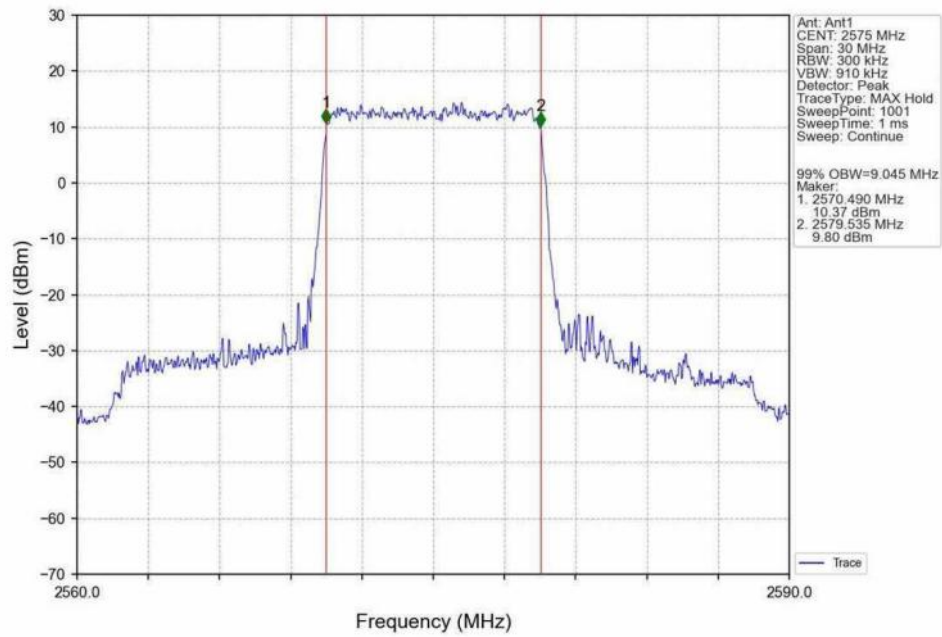
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



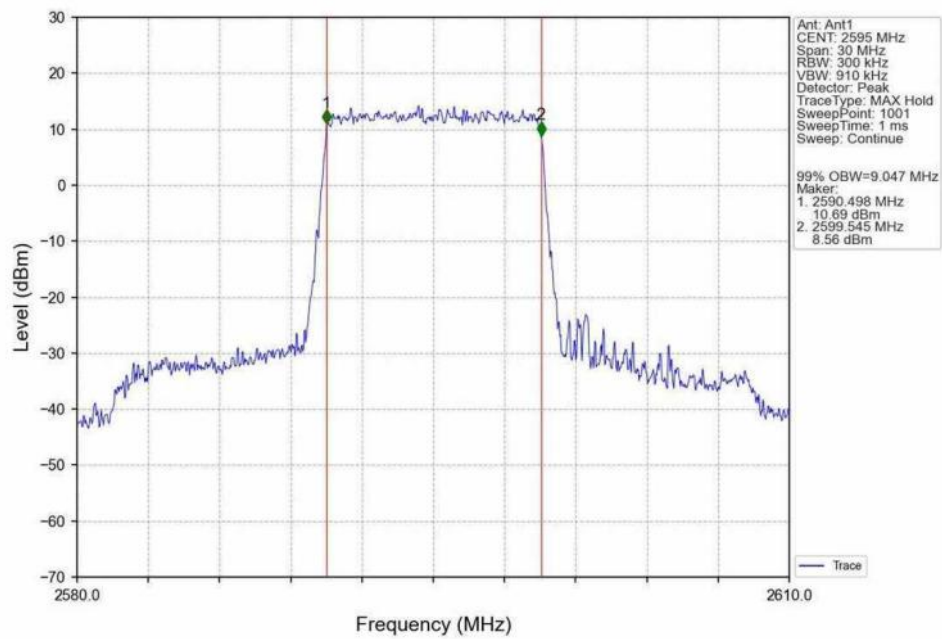
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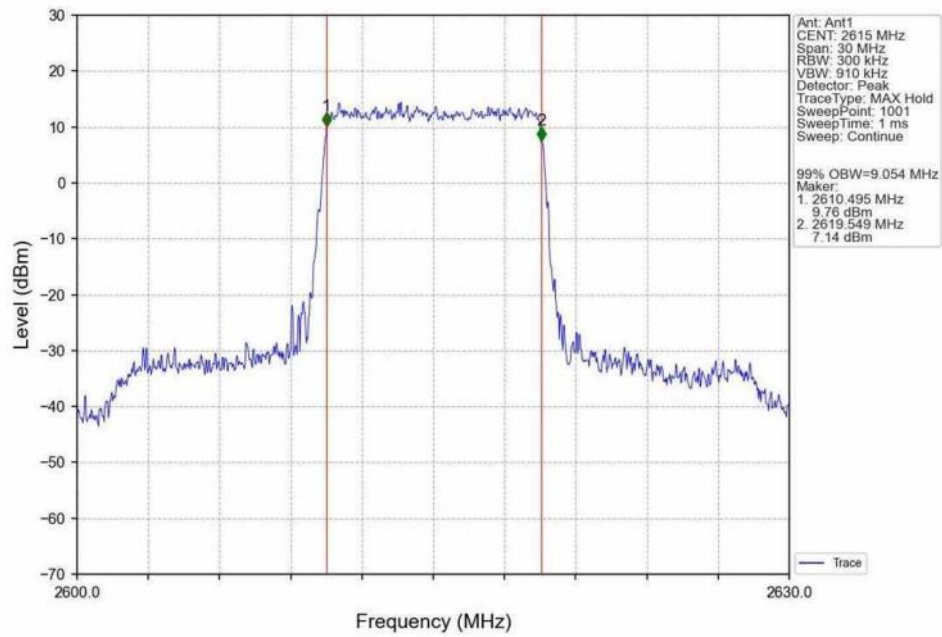
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



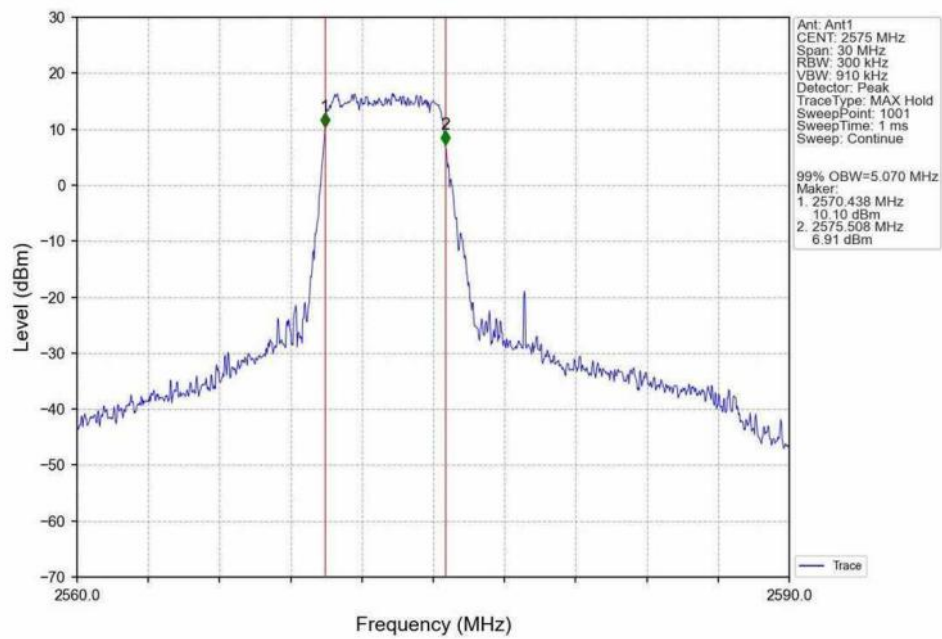
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



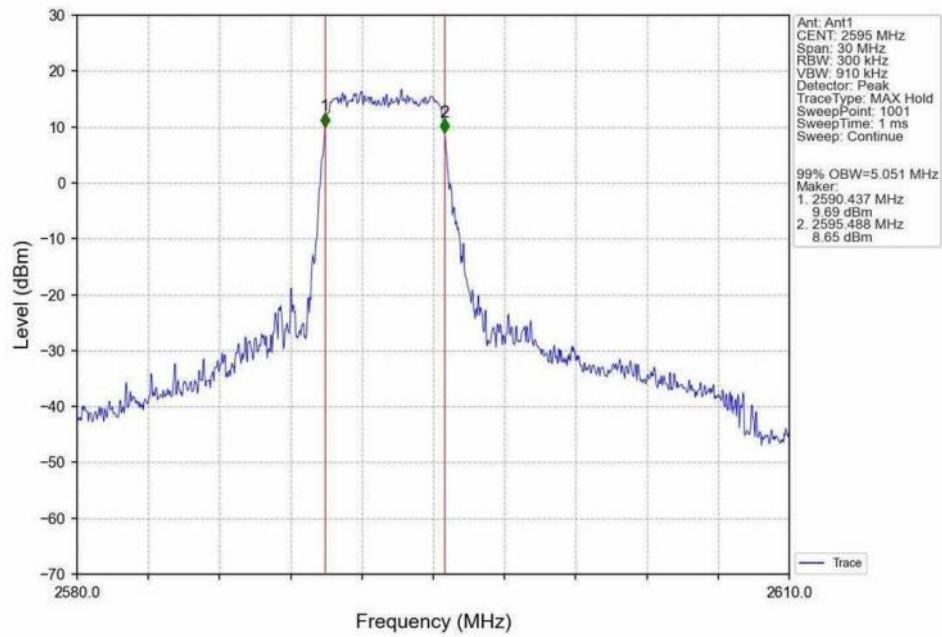
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



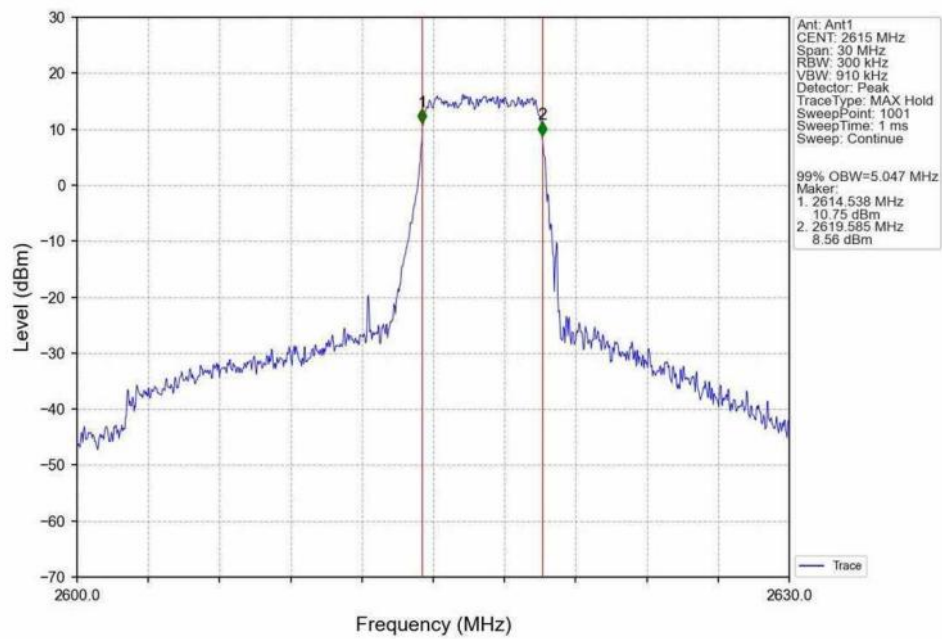
Band38_10MHz_16QAM_LCH_2575MHz_RB_27_0_NTNV



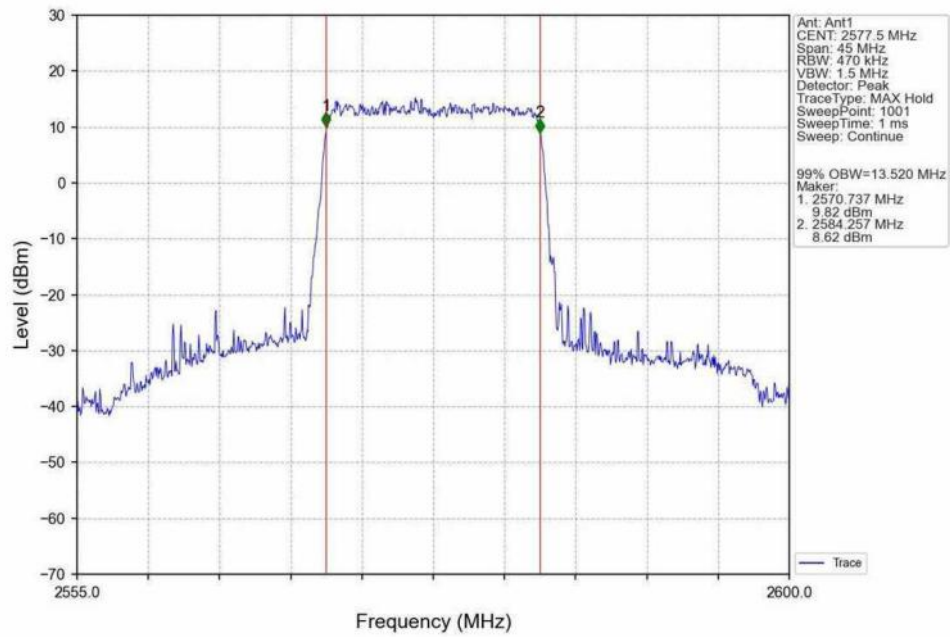
Band38_10MHz_16QAM_MCH_2595MHz_RB_27_0_NTNV



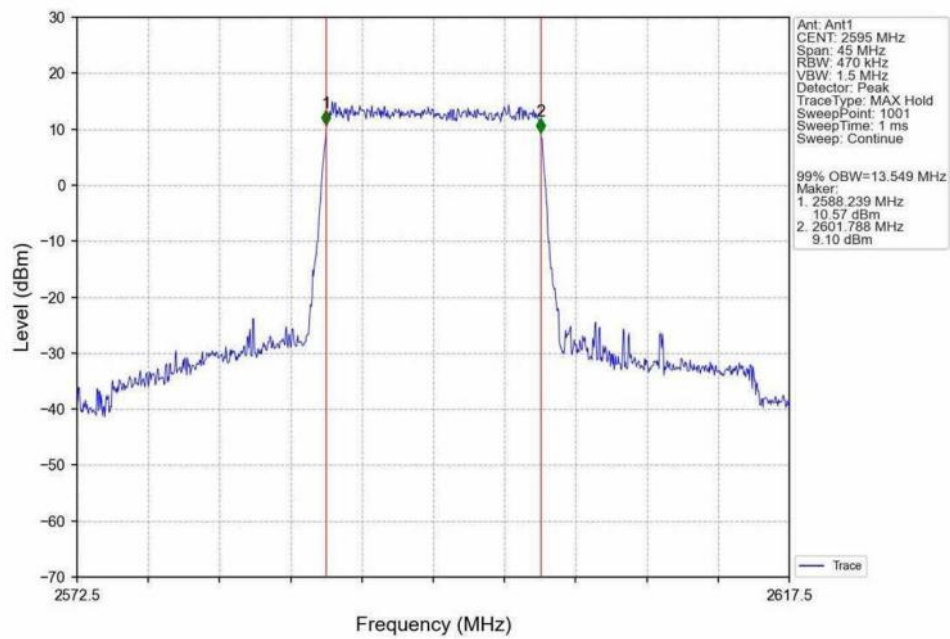
Band38_10MHz_16QAM_HCH_2615MHz_RB_27_23_NTNV



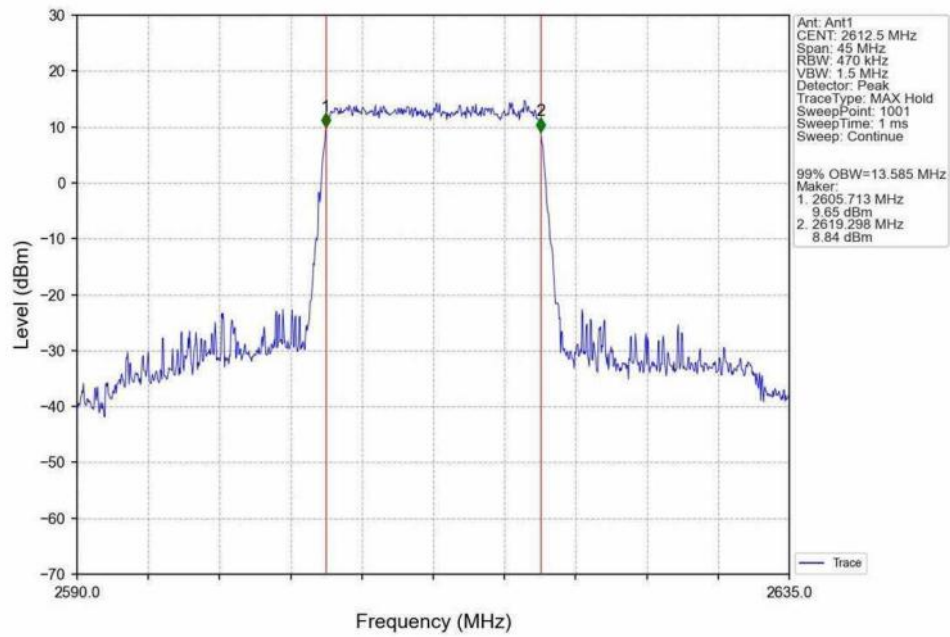
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



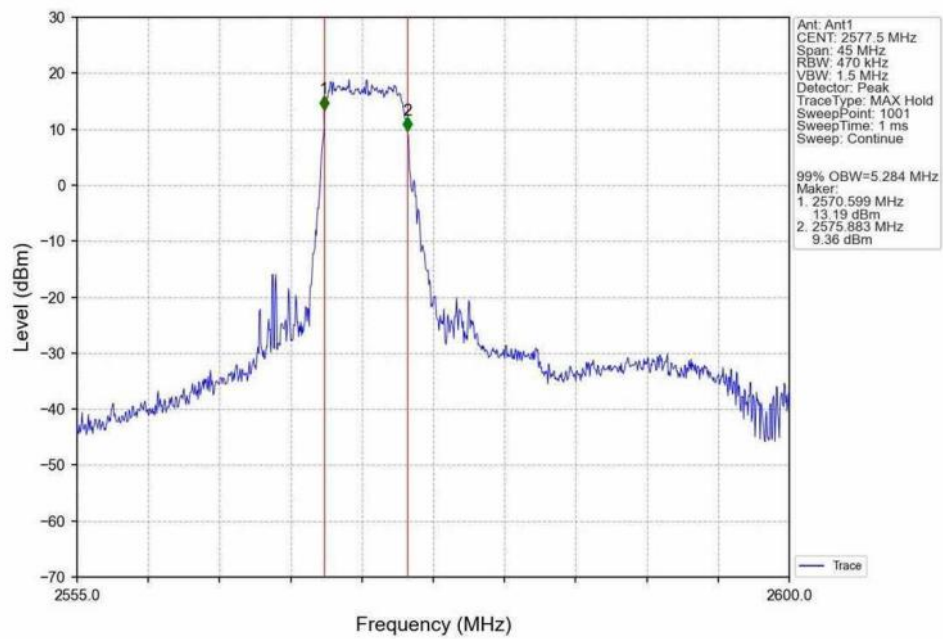
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



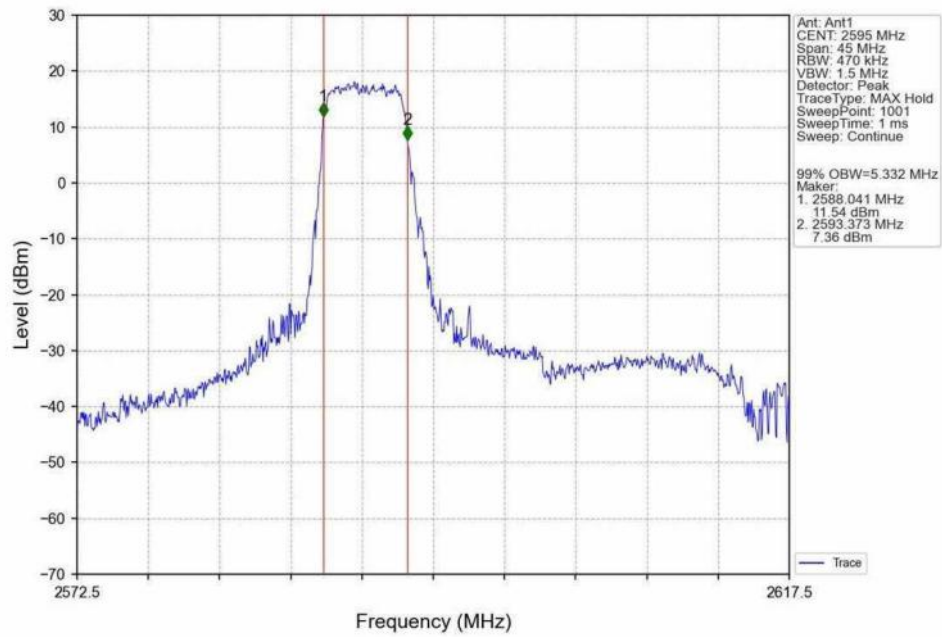
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



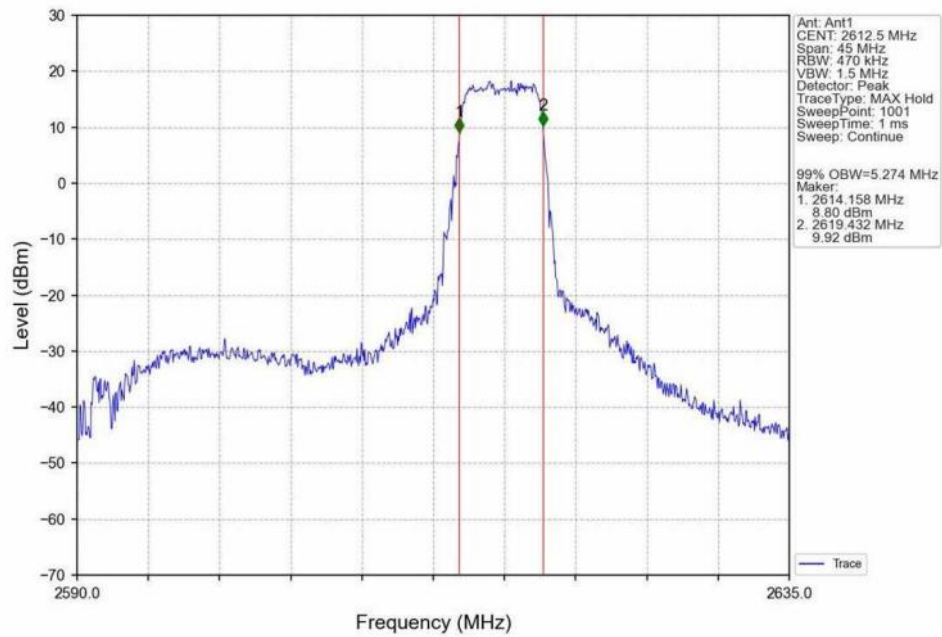
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_27_0_NTNV



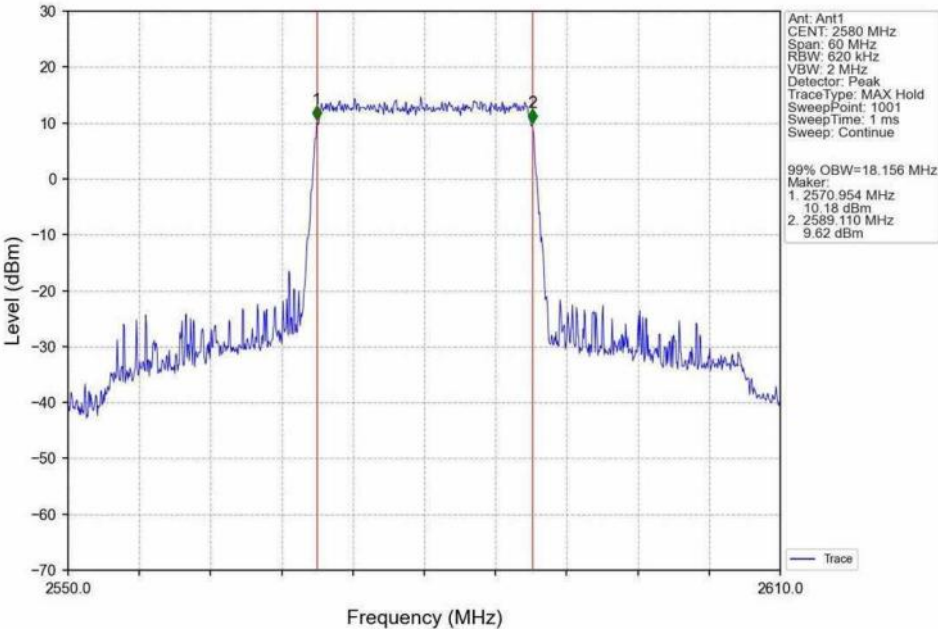
Band38_15MHz_16QAM_MCH_2595MHz_RB_27_0_NTNV



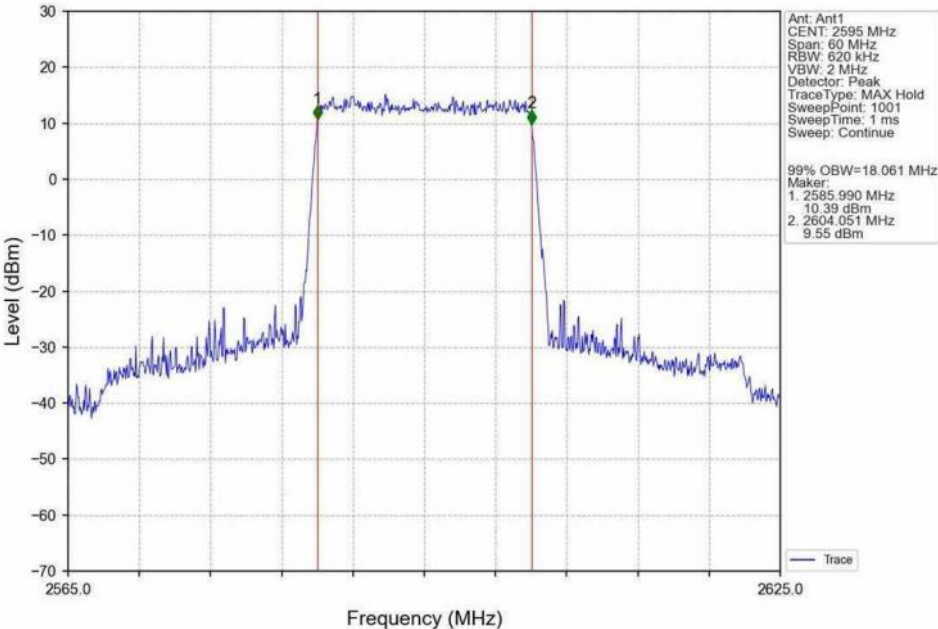
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_27_48_NTNV



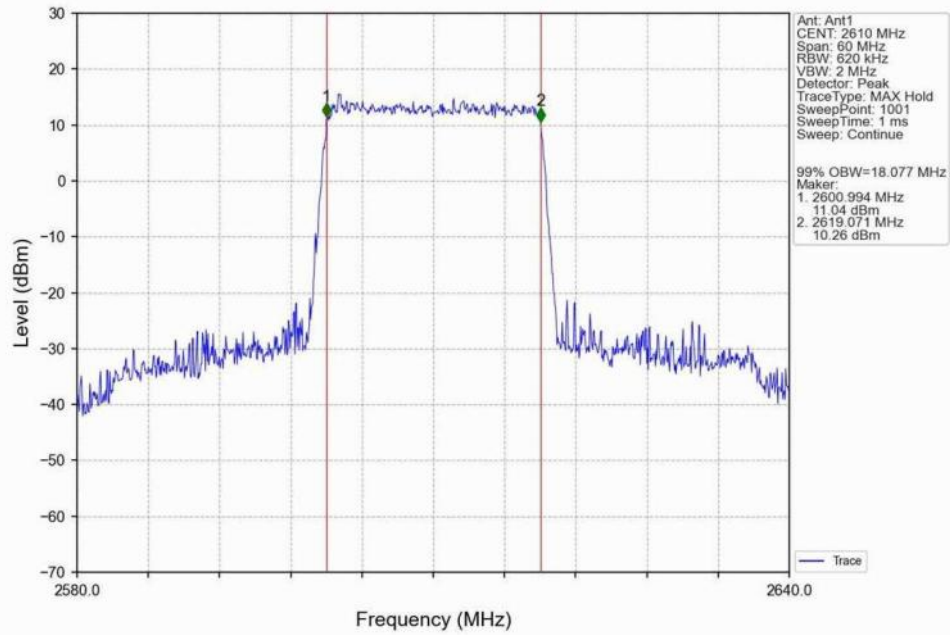
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



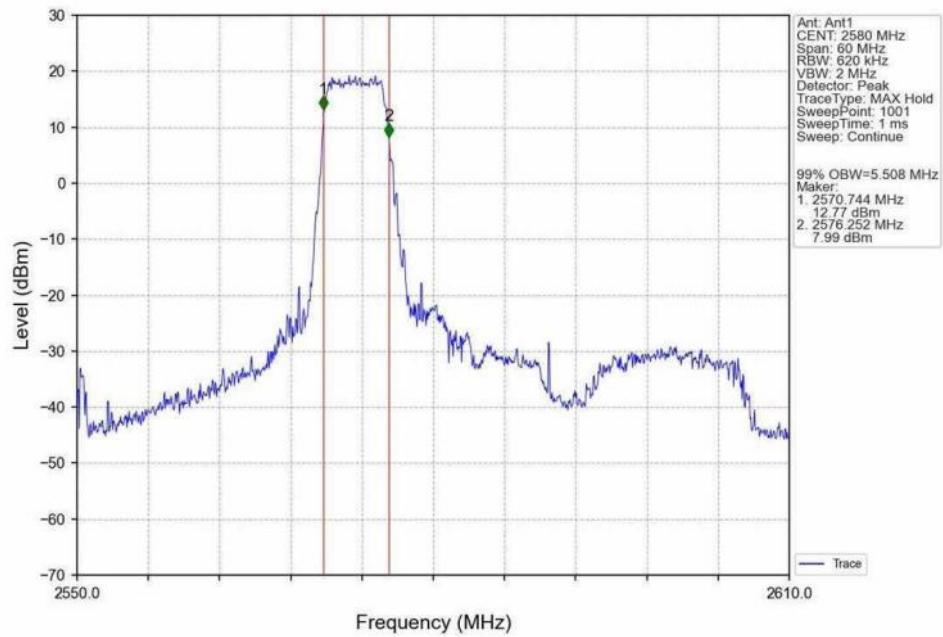
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



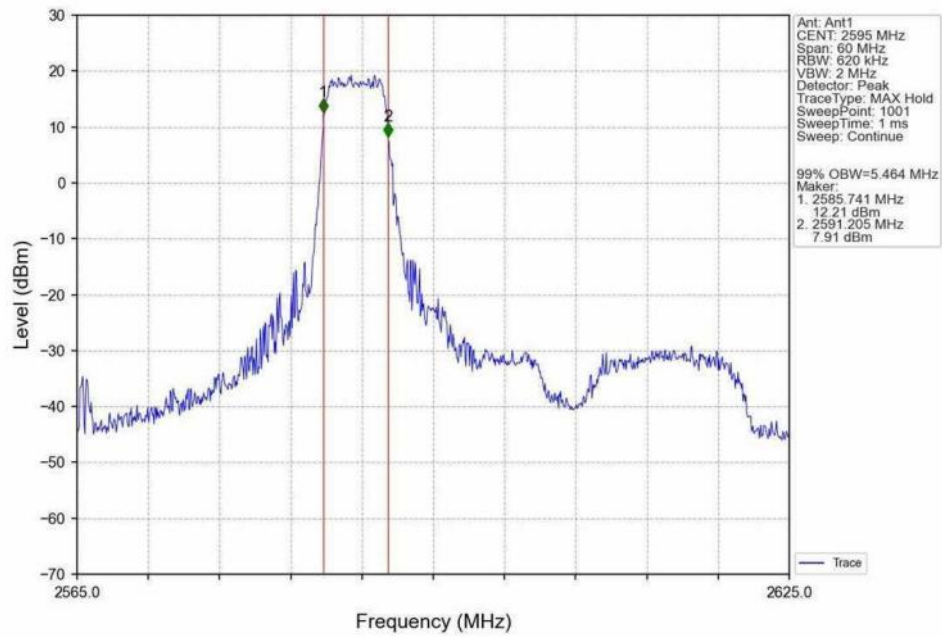
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



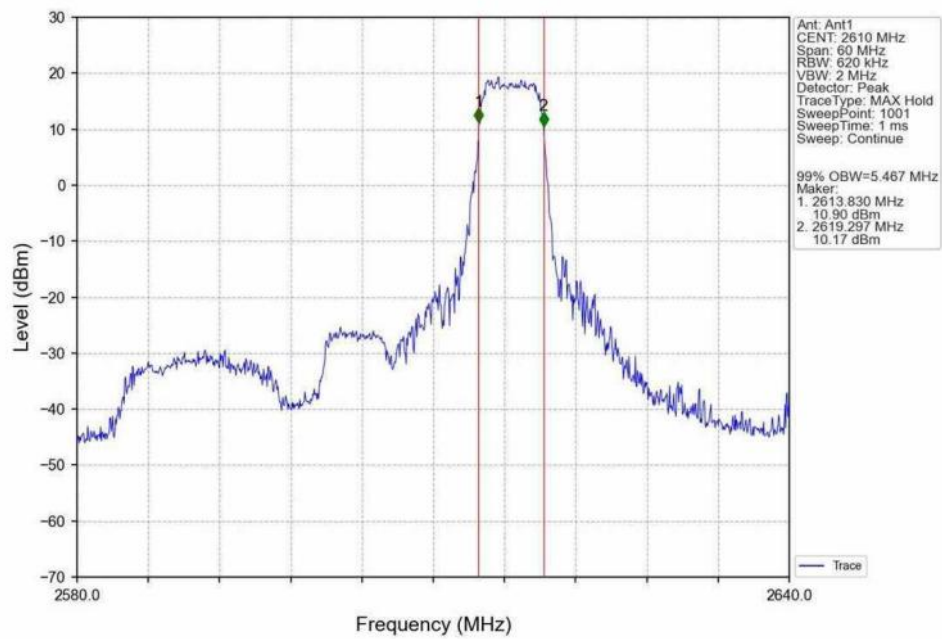
Band38_20MHz_16QAM_LCH_2580MHz_RB_27_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_27_0_NTNV

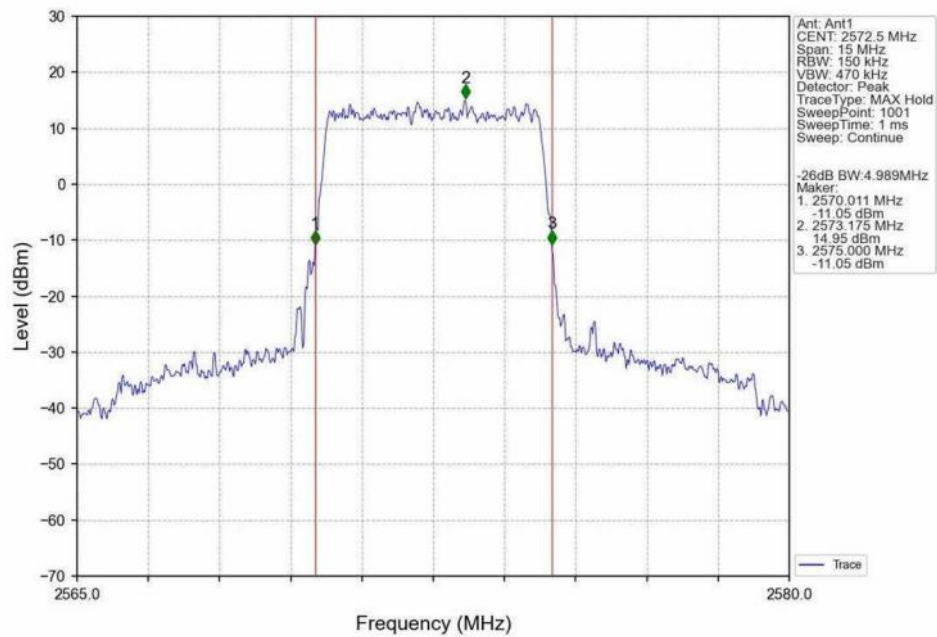


Band38_20MHz_16QAM_HCH_2610MHz_RB_27_73_NTNV

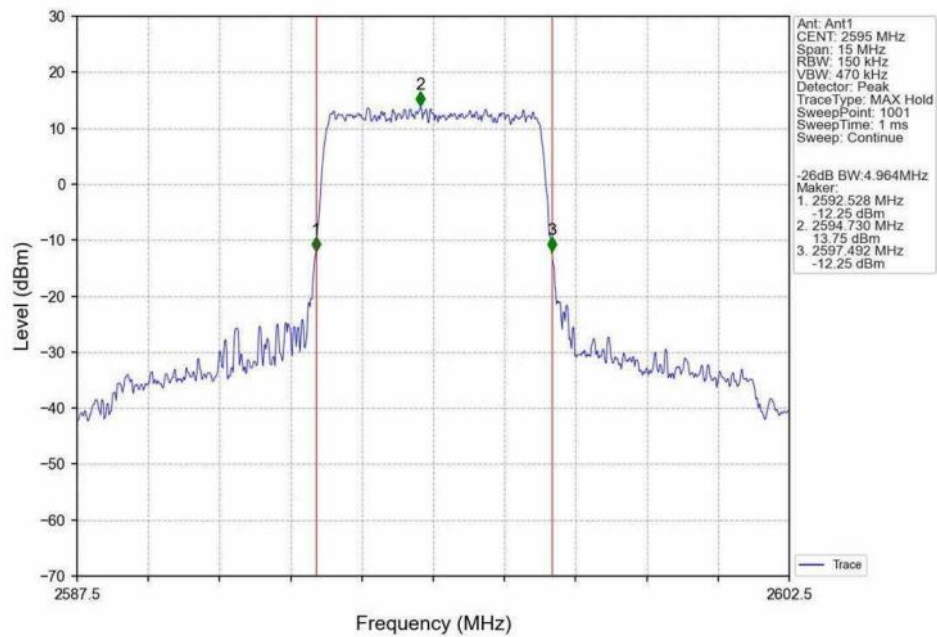


4.2.2 Band38_XDB

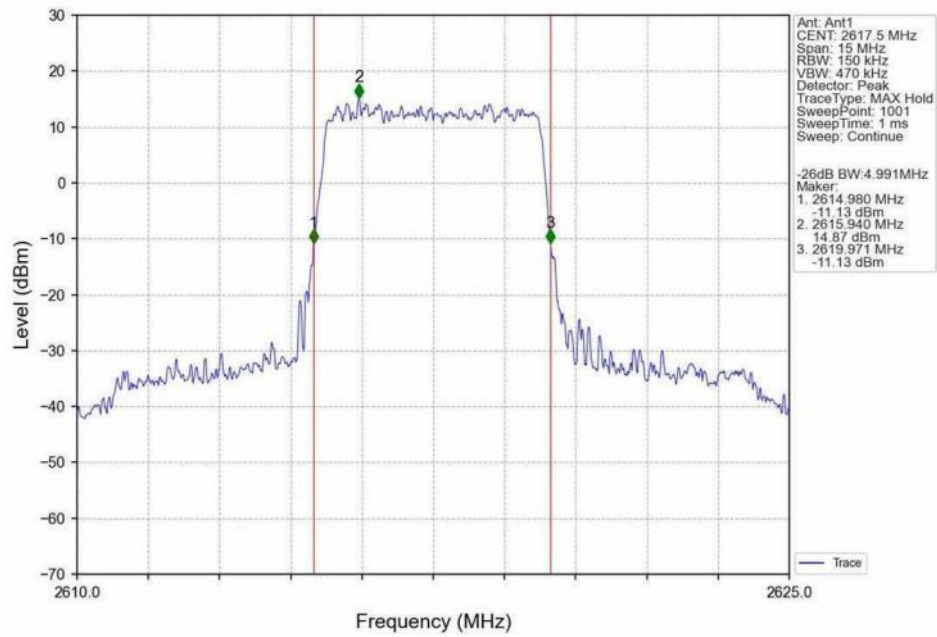
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV



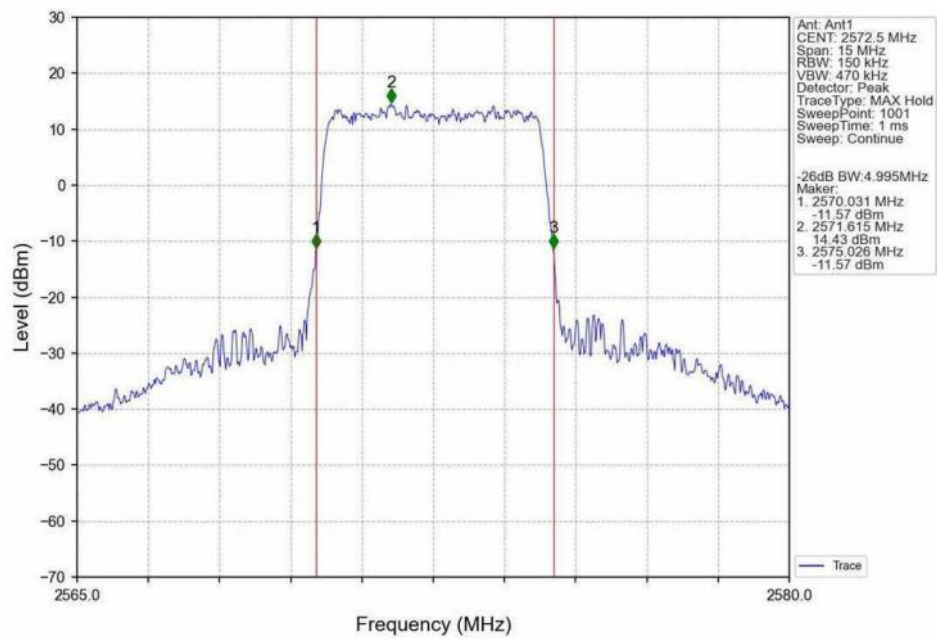
Band38_5MHz_QPSK_MCH_2595MHz_RB_25_0_NTNV



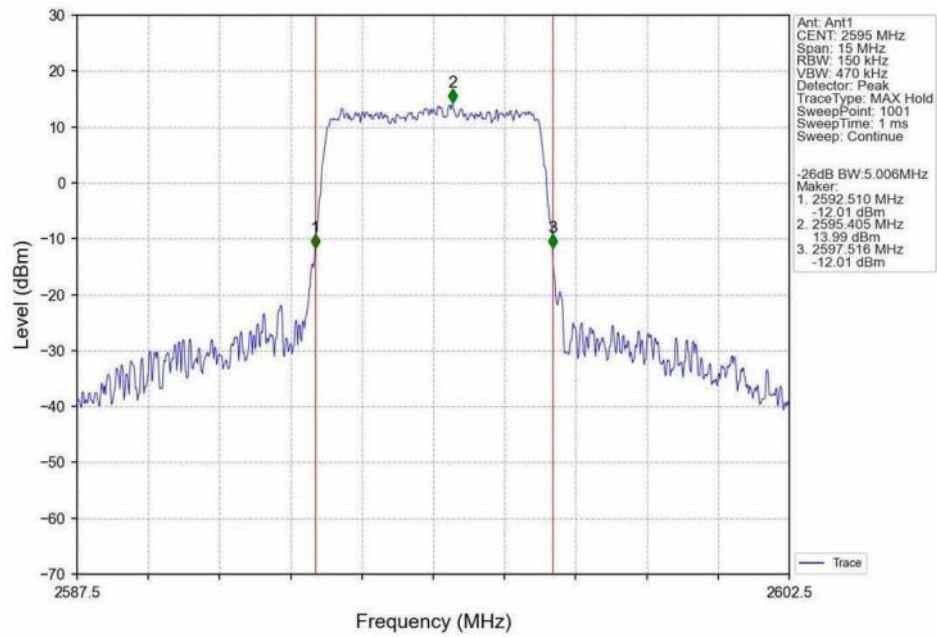
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



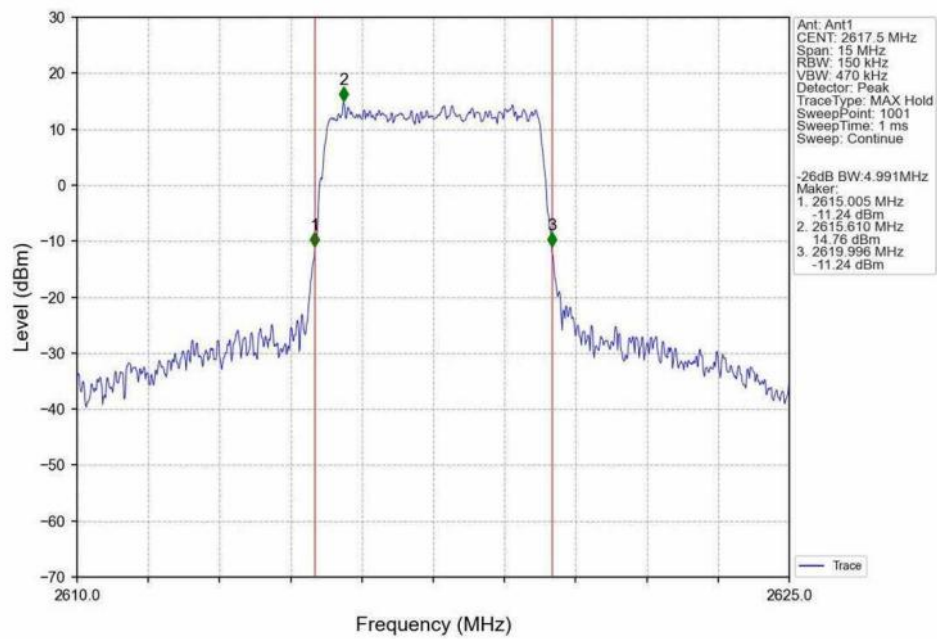
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



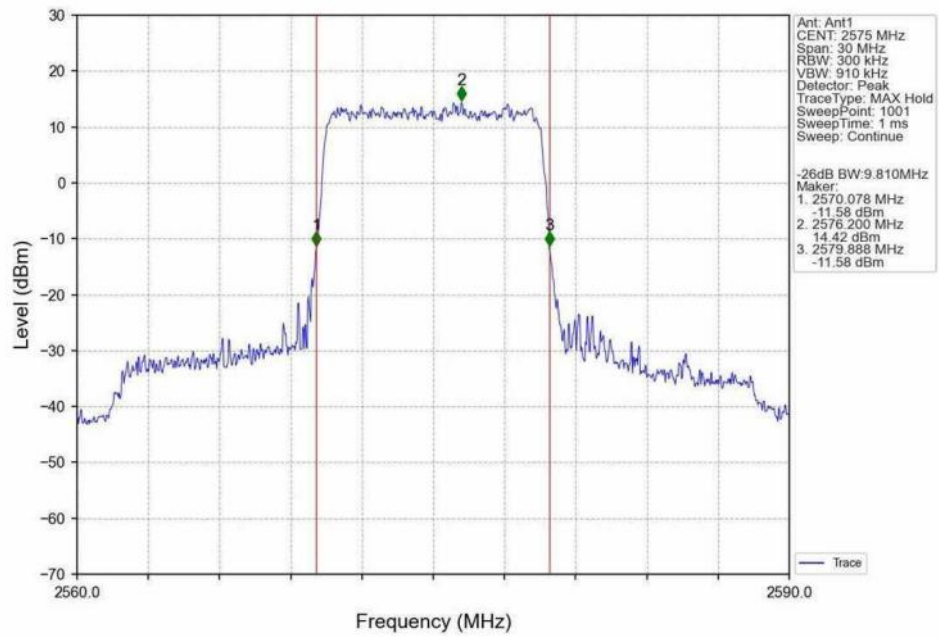
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



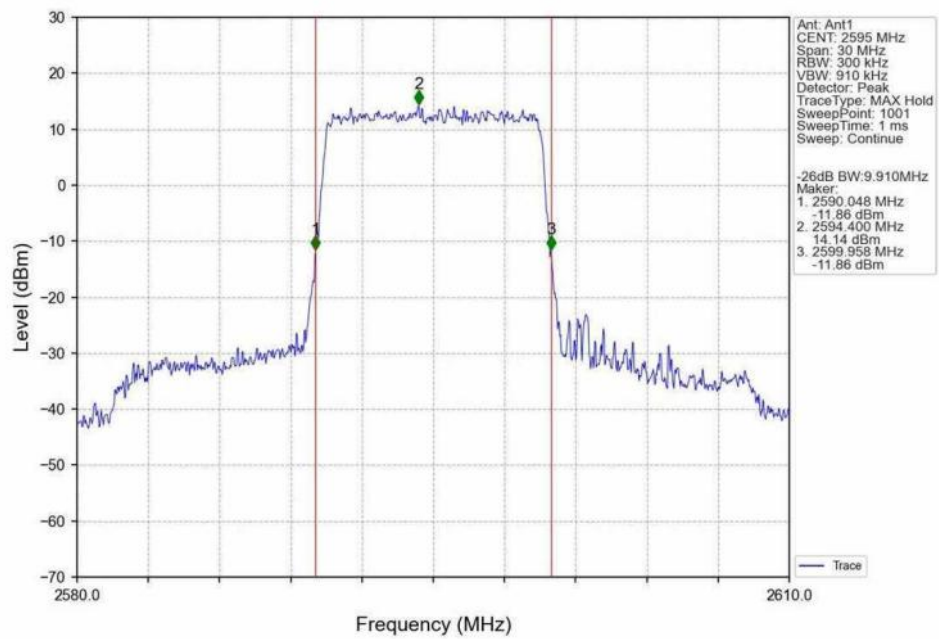
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



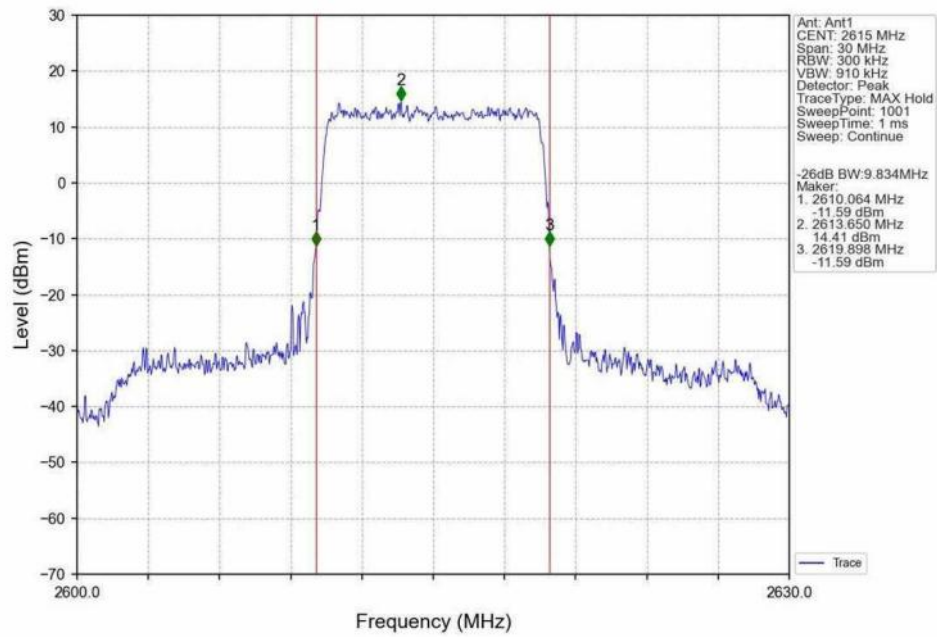
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



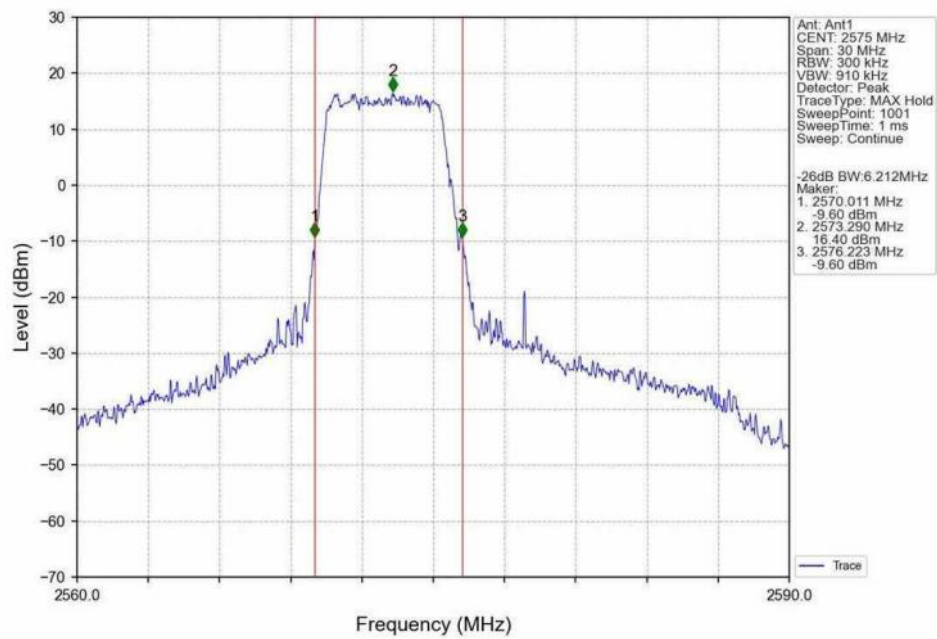
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



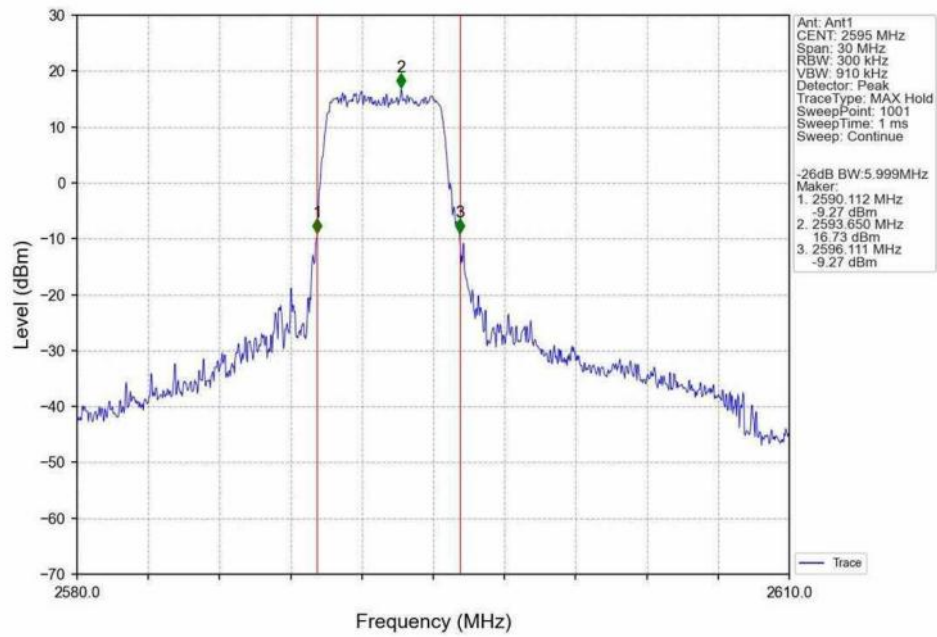
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



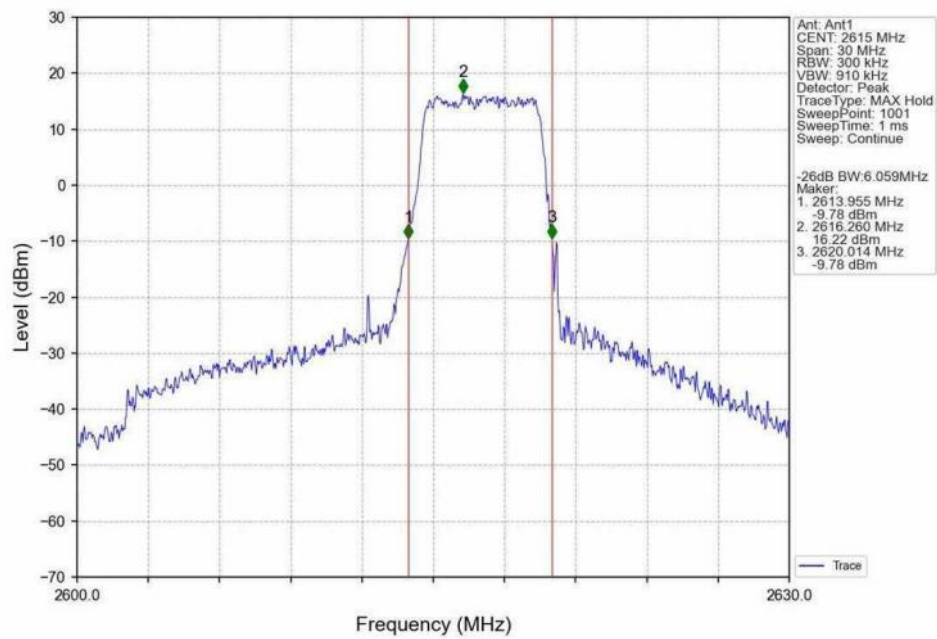
Band38_10MHz_16QAM_LCH_2575MHz_RB_27_0_NTNV



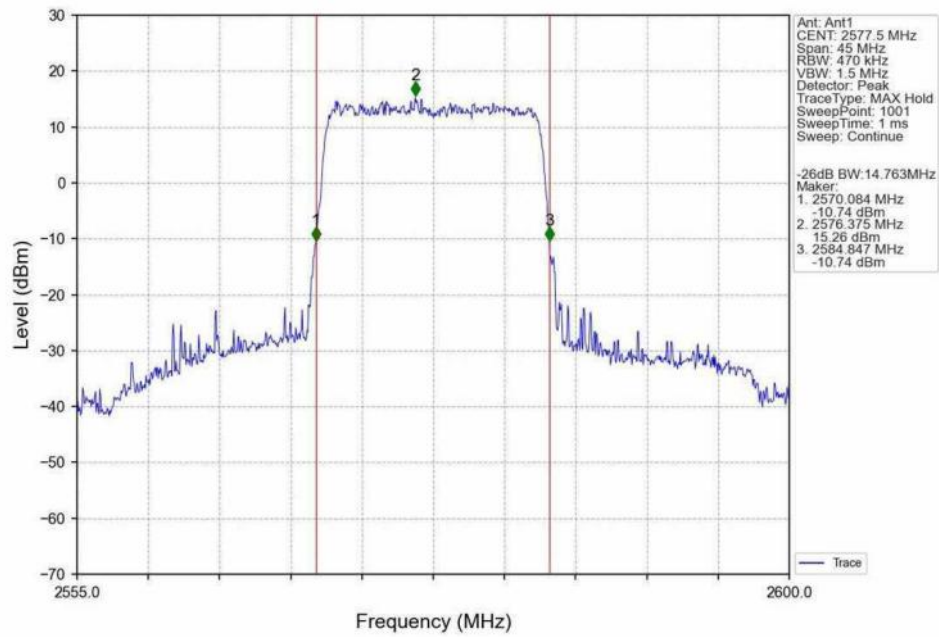
Band38_10MHz_16QAM_MCH_2595MHz_RB_27_0_NTNV



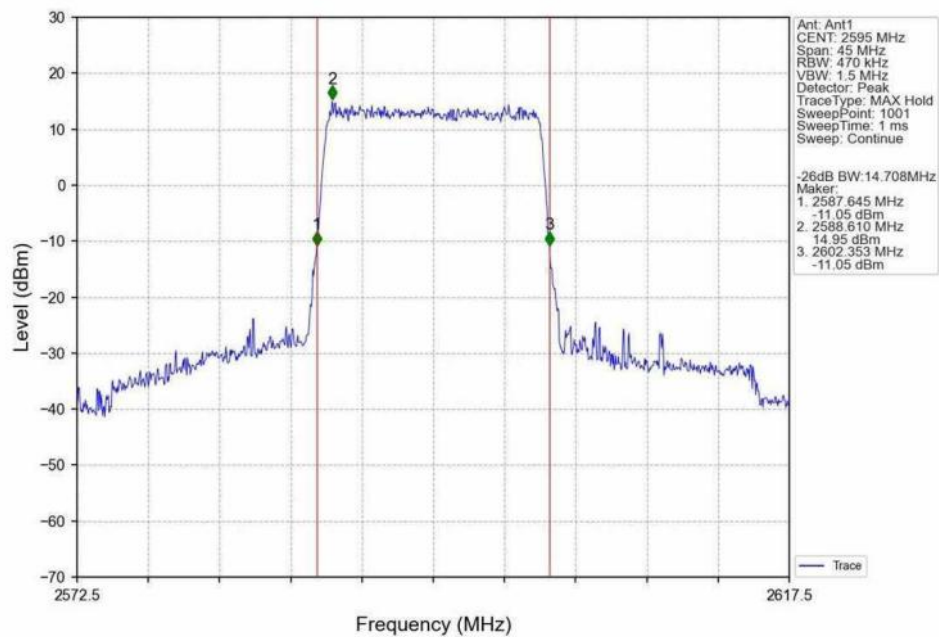
Band38_10MHz_16QAM_HCH_2615MHz_RB_27_23_NTNV



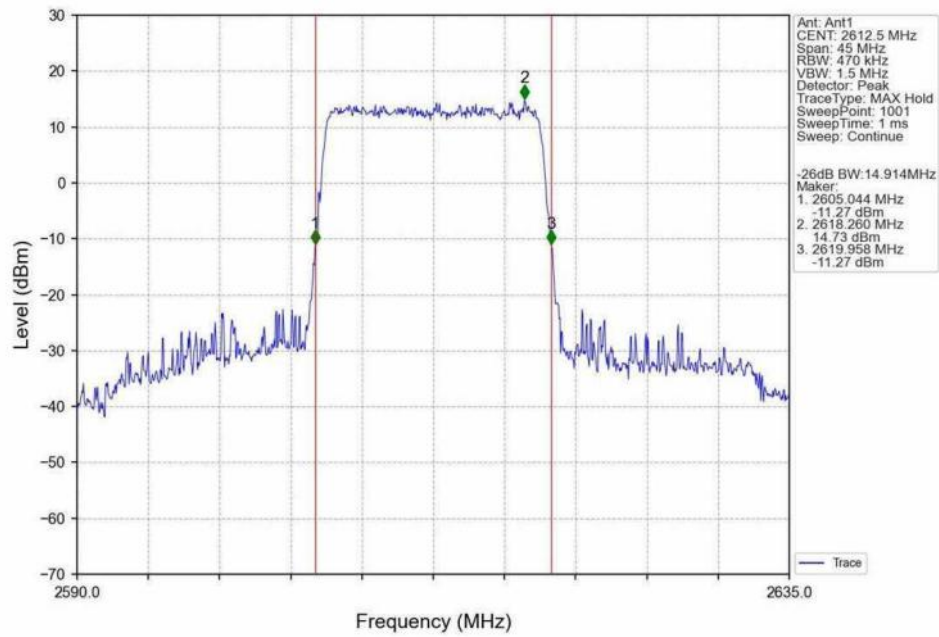
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



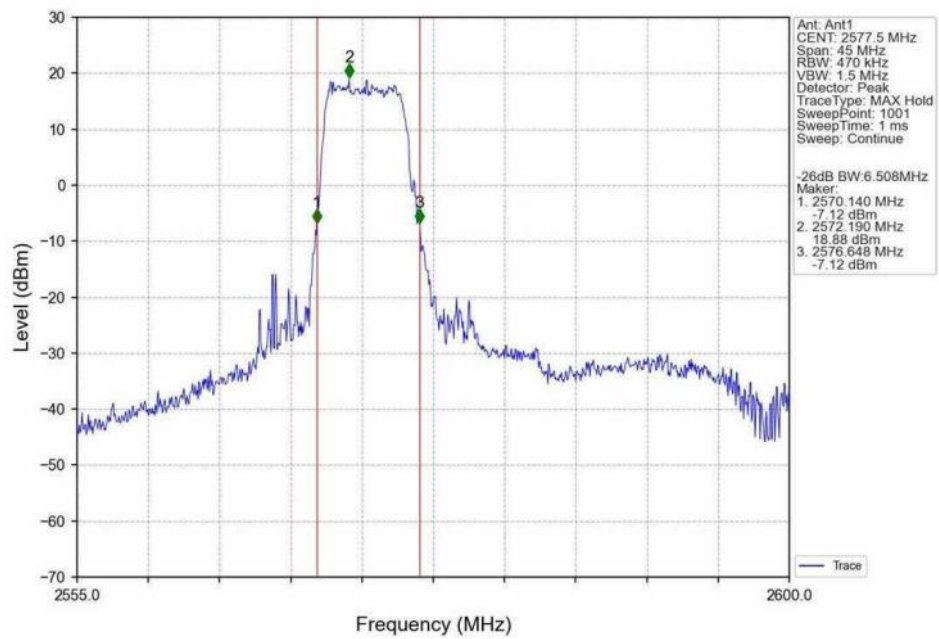
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



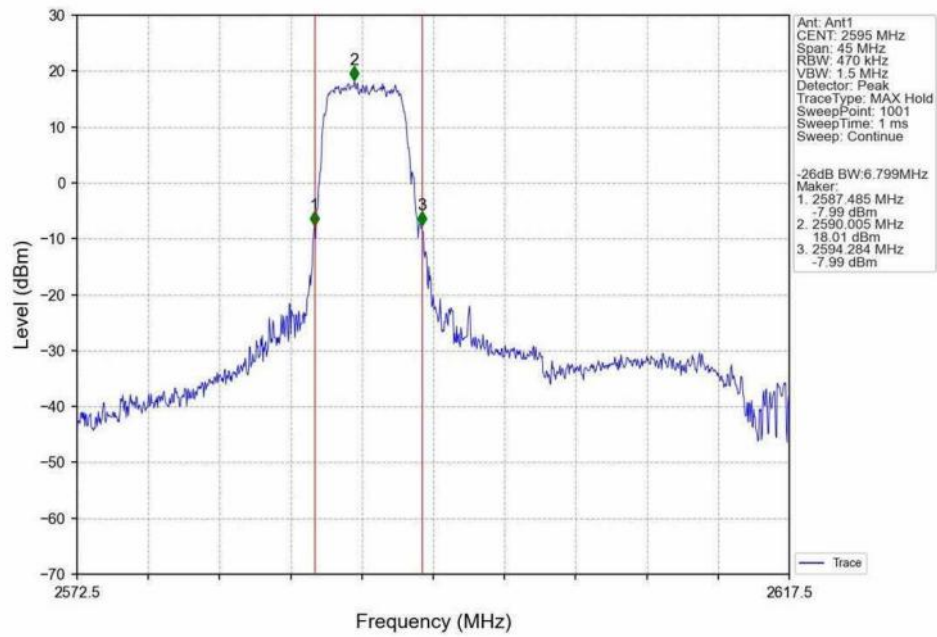
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



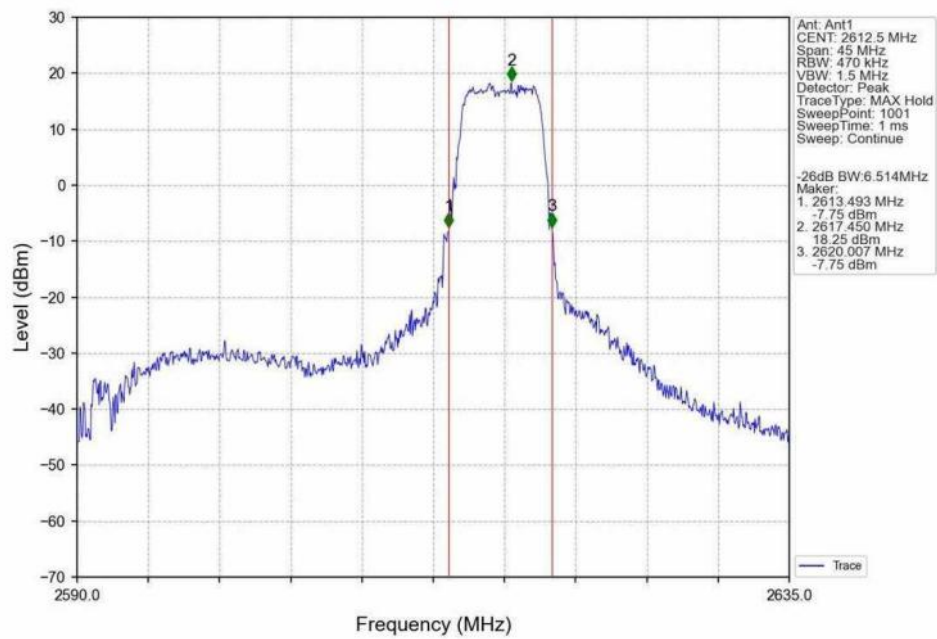
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_27_0_NTNV



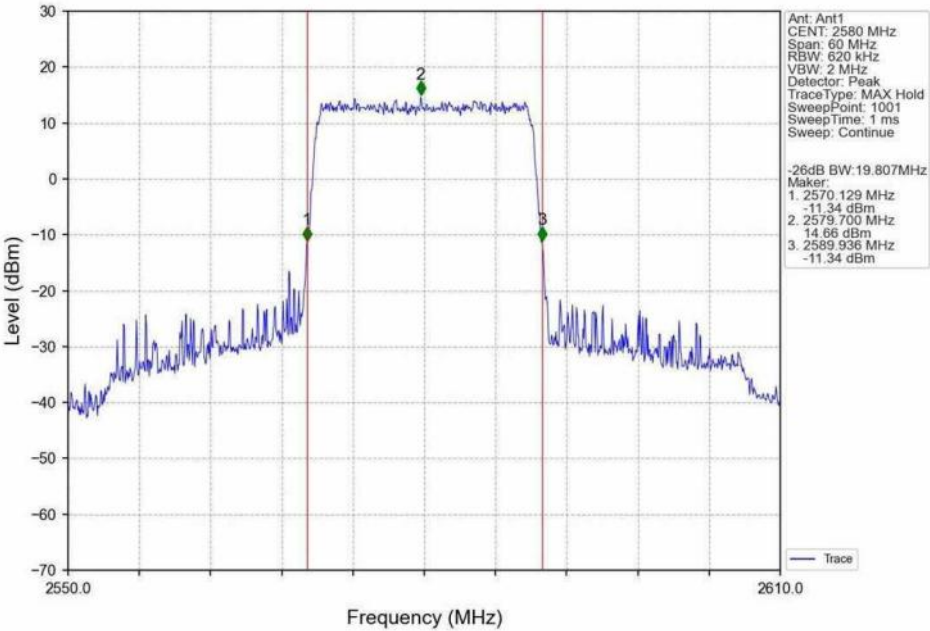
Band38_15MHz_16QAM_MCH_2595MHz_RB_27_0_NTNV



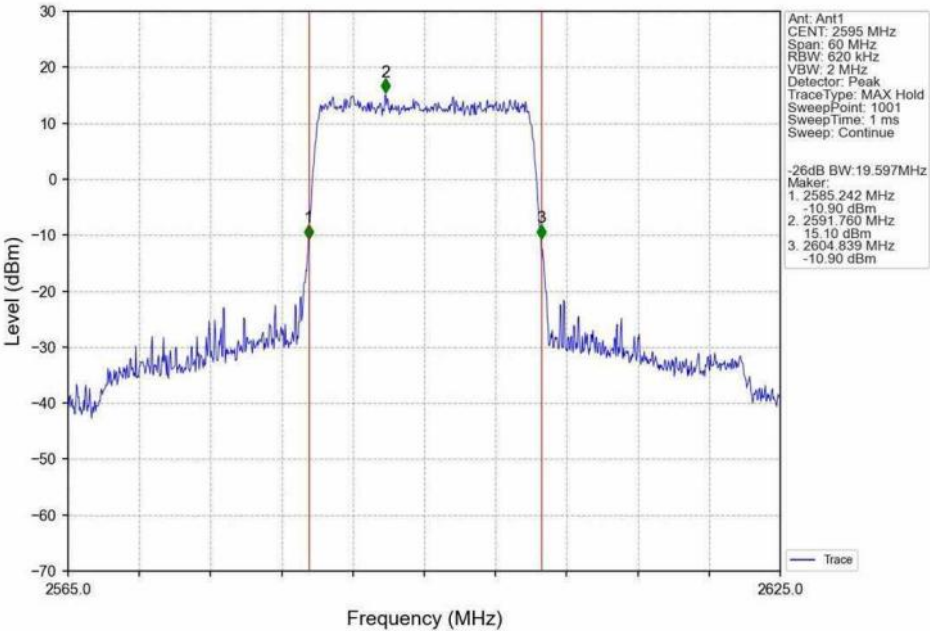
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_27_48_NTNV



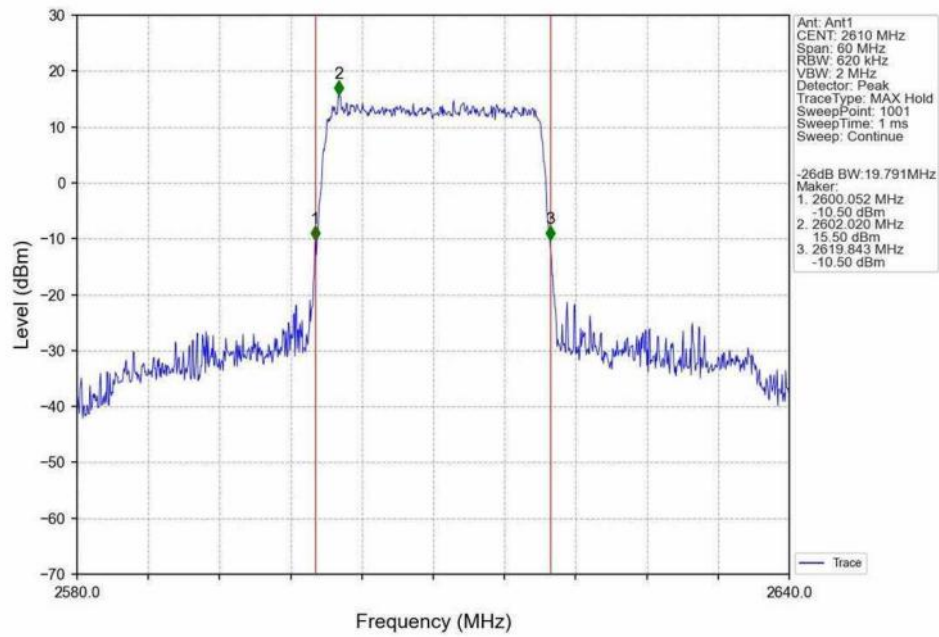
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



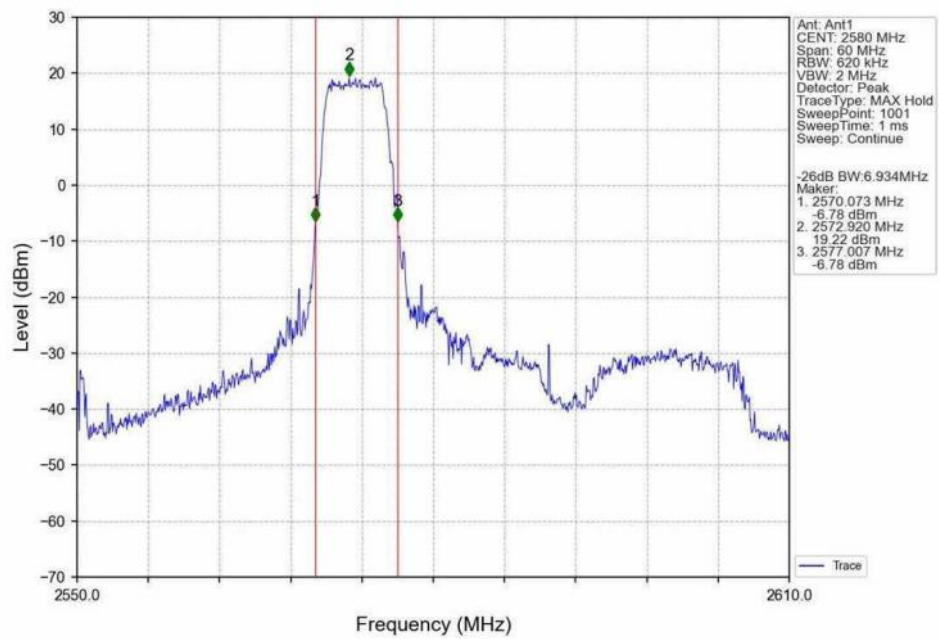
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



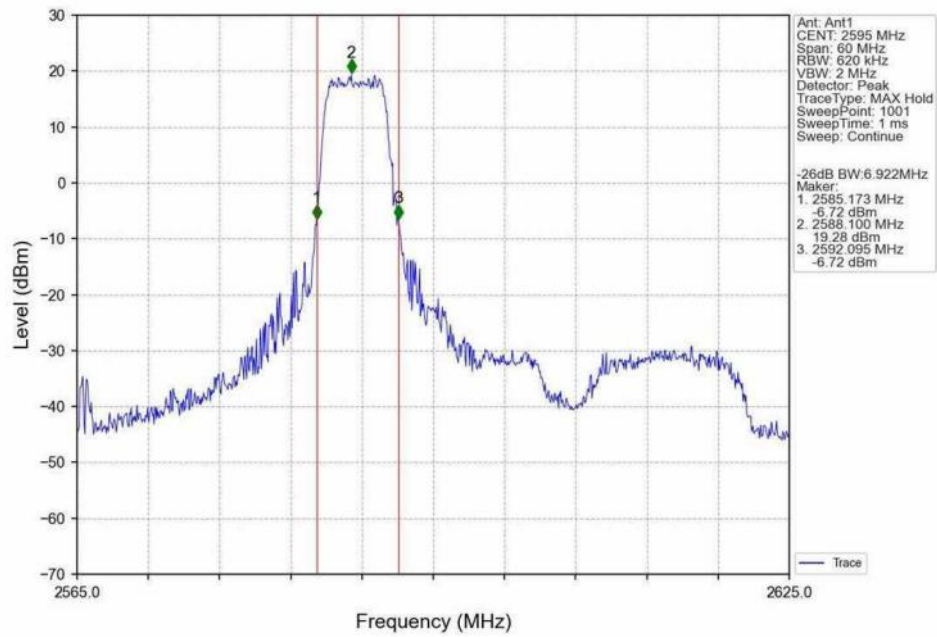
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



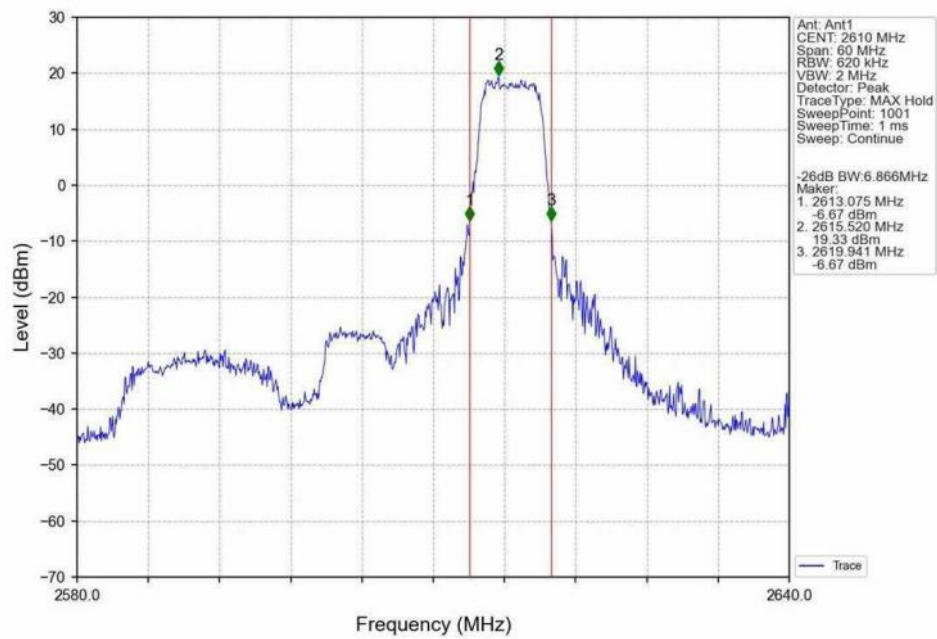
Band38_20MHz_16QAM_LCH_2580MHz_RB_27_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_27_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_27_73_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	25	0	7.67	<=13	Pass
	2595	25	0	7.59	<=13	Pass
	2617.5	25	0	7.69	<=13	Pass
16QAM	2572.5	25	0	8.33	<=13	Pass
	2595	25	0	8.11	<=13	Pass
	2617.5	25	0	8.11	<=13	Pass

5.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	50	0	7.53	<=13	Pass
	2595	50	0	7.59	<=13	Pass
	2615	50	0	7.79	<=13	Pass
16QAM	2575	27	0	8.18	<=13	Pass
	2595	27	0	8.20	<=13	Pass
	2615	27	23	8.17	<=13	Pass

5.1.3 B38_15MHz

Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	75	0	7.70	<=13	Pass
	2595	75	0	7.83	<=13	Pass
	2612.5	75	0	8.03	<=13	Pass
16QAM	2577.5	27	0	7.96	<=13	Pass
	2595	27	0	8.17	<=13	Pass
	2612.5	27	48	7.95	<=13	Pass

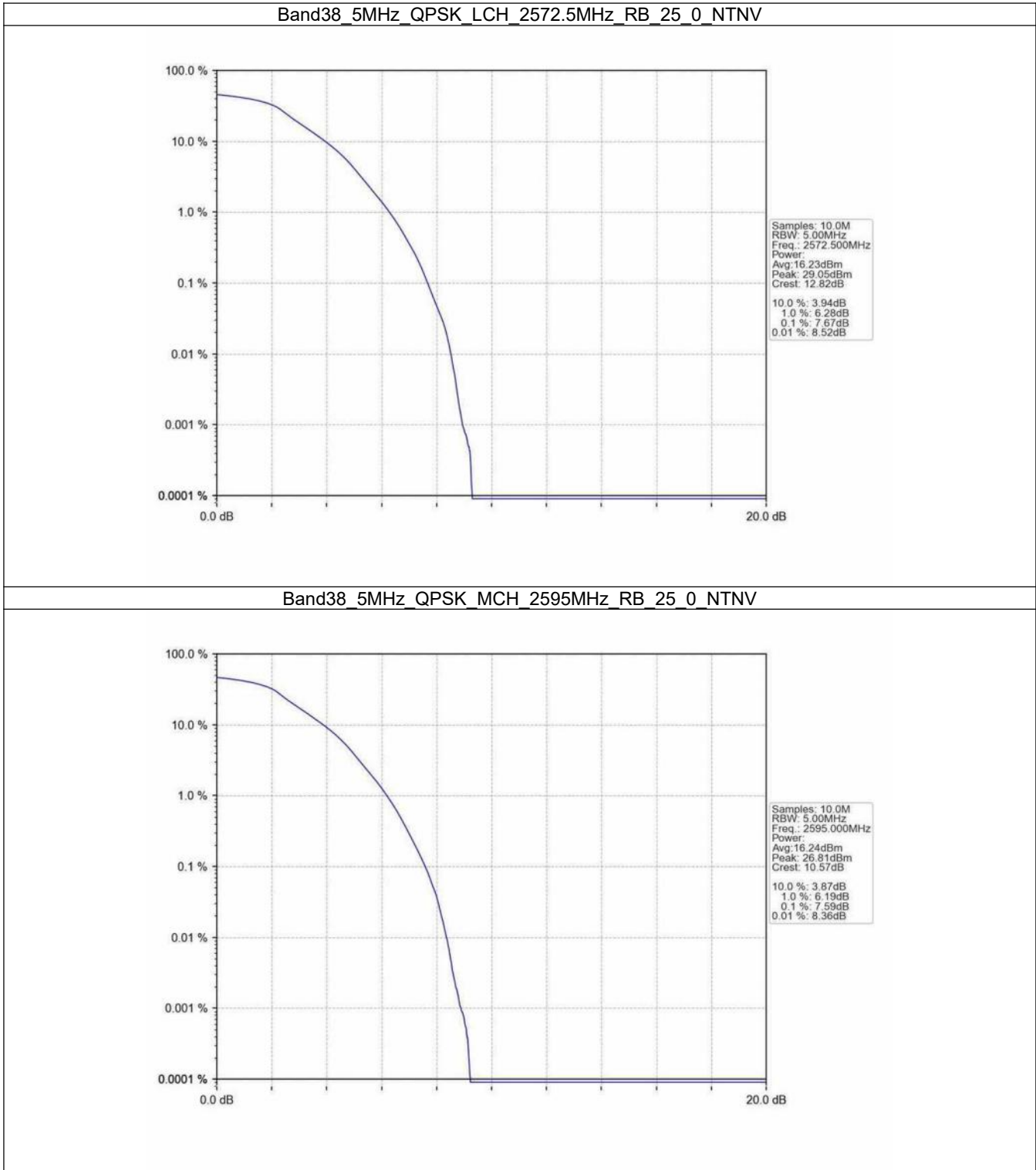
5.1.4 B38_20MHz

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	7.79	<=13	Pass
	2595	100	0	7.62	<=13	Pass
	2610	100	0	7.71	<=13	Pass
16QAM	2580	27	0	8.34	<=13	Pass
	2595	27	0	8.21	<=13	Pass

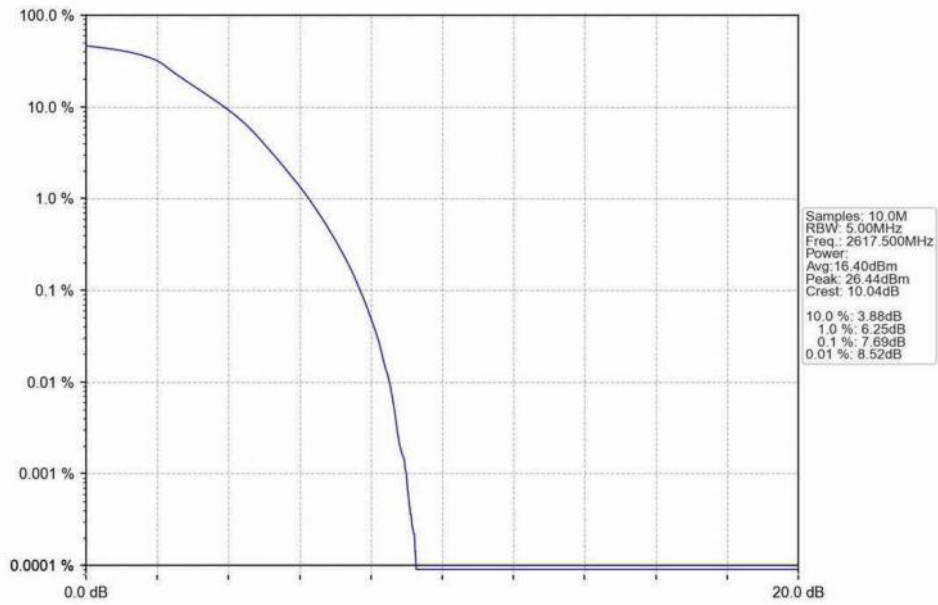
	2610	27	73	8.64	<=13	Pass
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5.2 Test Graph

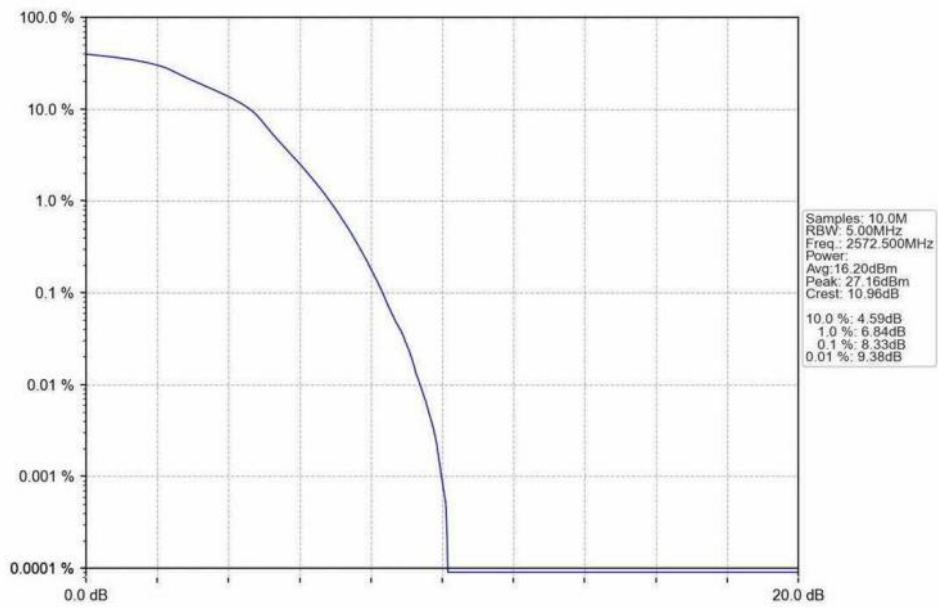
5.2.1 B38_5MHz



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



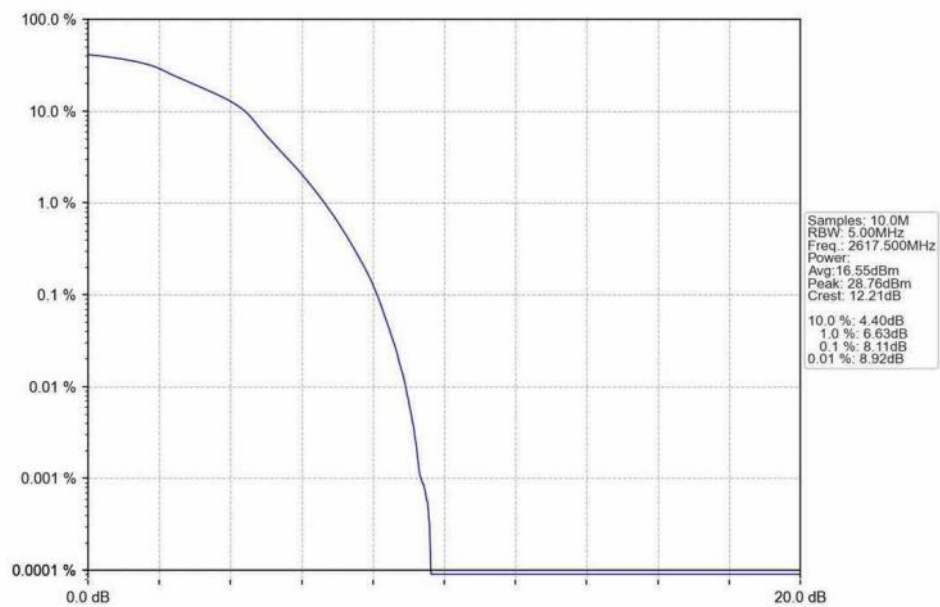
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV

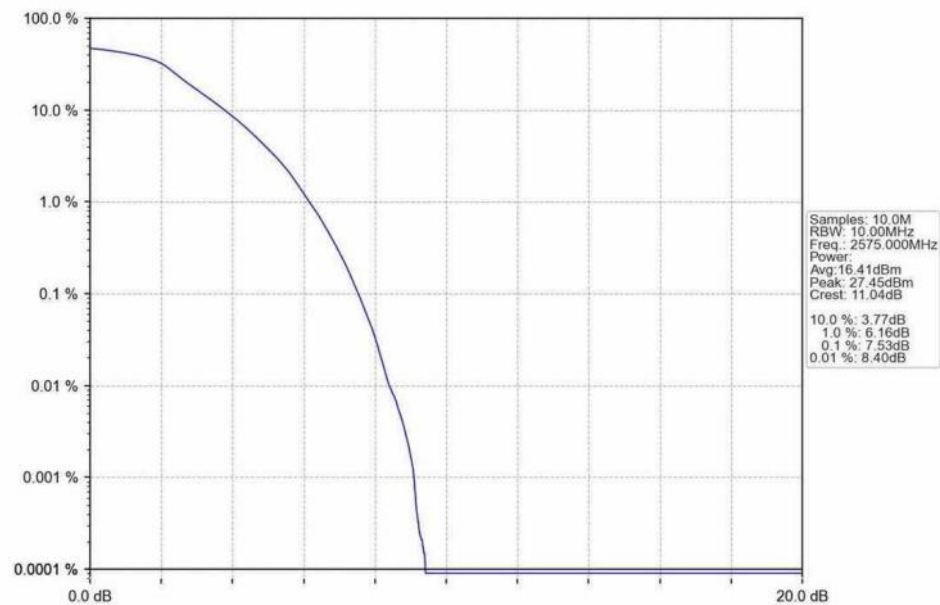


Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV

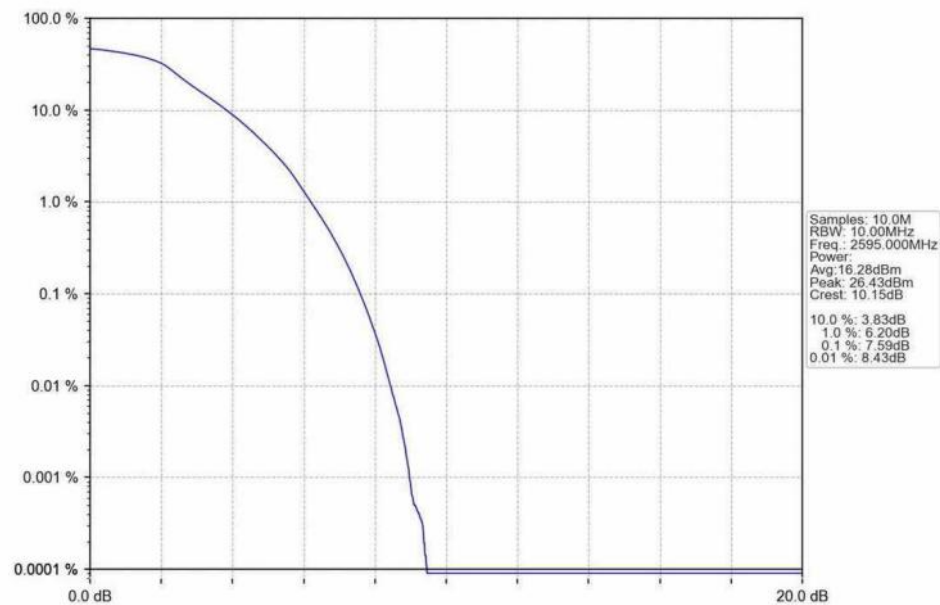


5.2.2 B38_10MHz

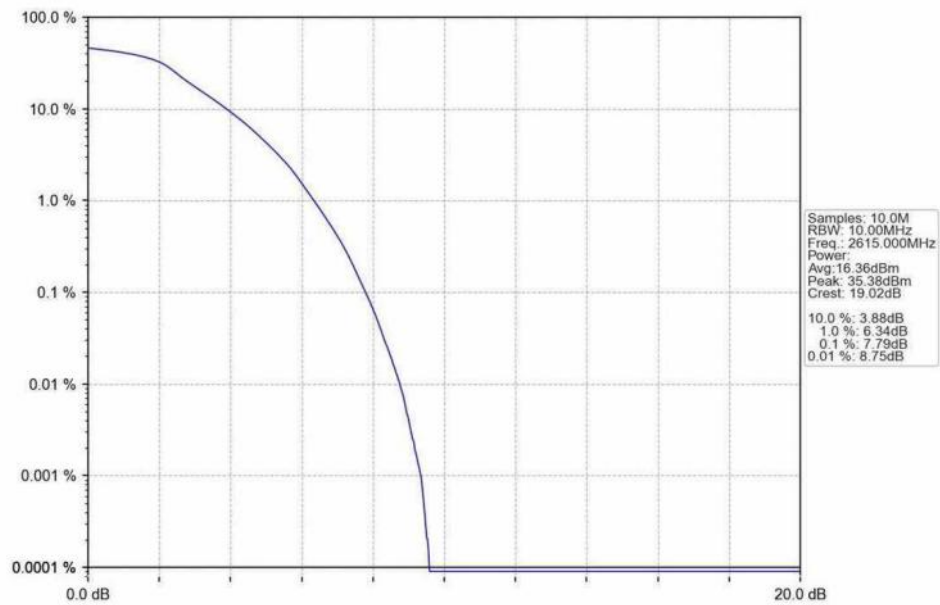
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



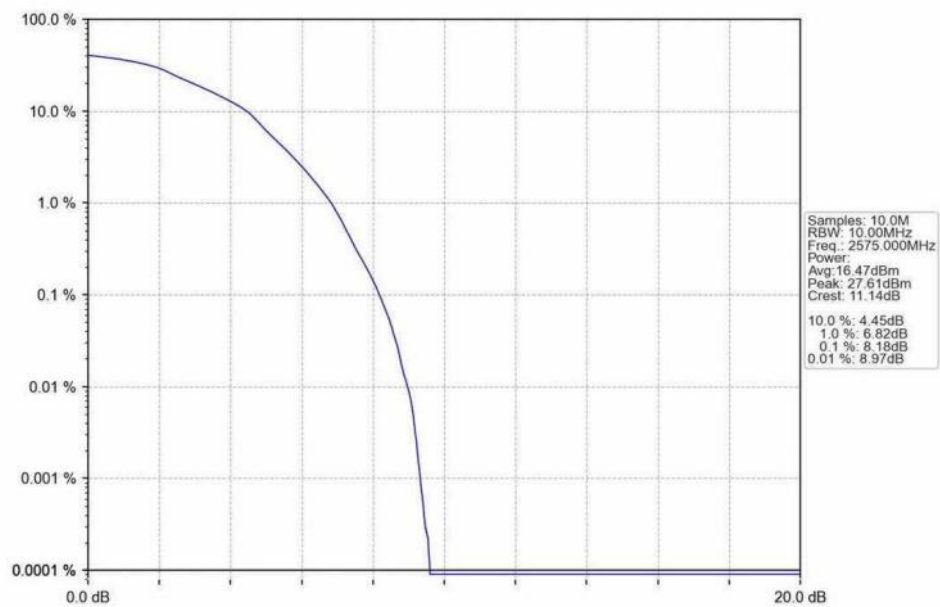
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



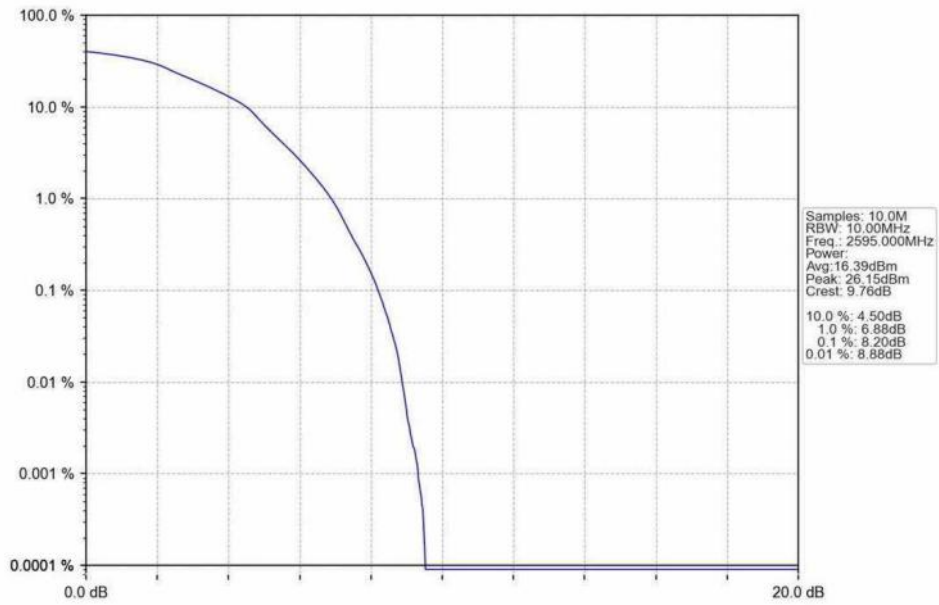
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



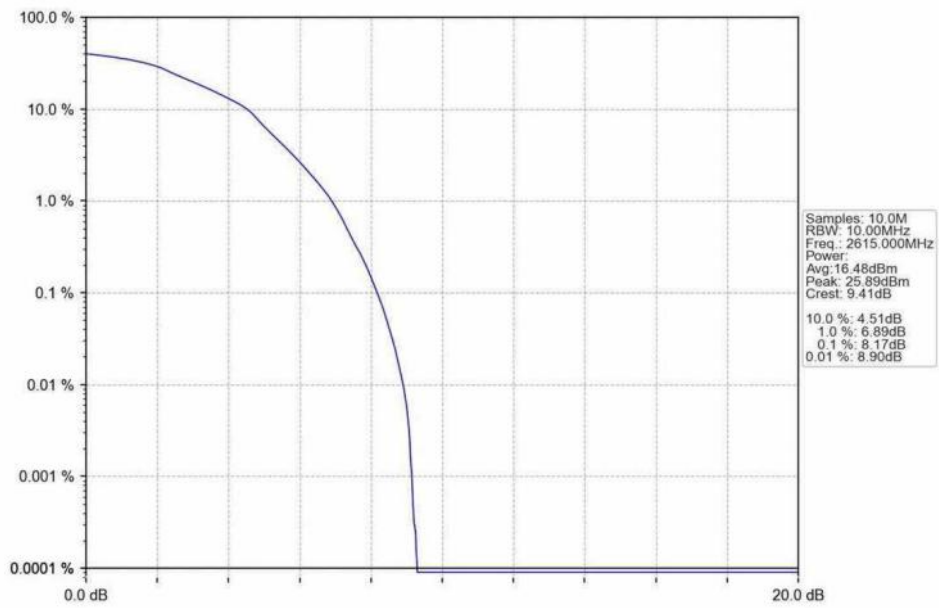
Band38_10MHz_16QAM_LCH_2575MHz_RB_27_0_NTNV



Band38_10MHz_16QAM_MCH_2595MHz_RB_27_0_NTNV

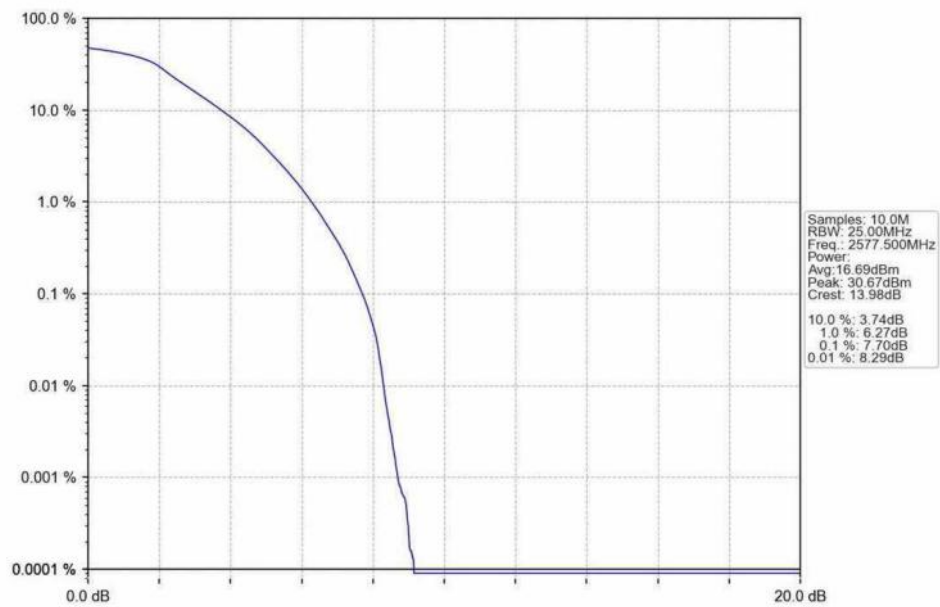


Band38_10MHz_16QAM_HCH_2615MHz_RB_27_23_NTNV

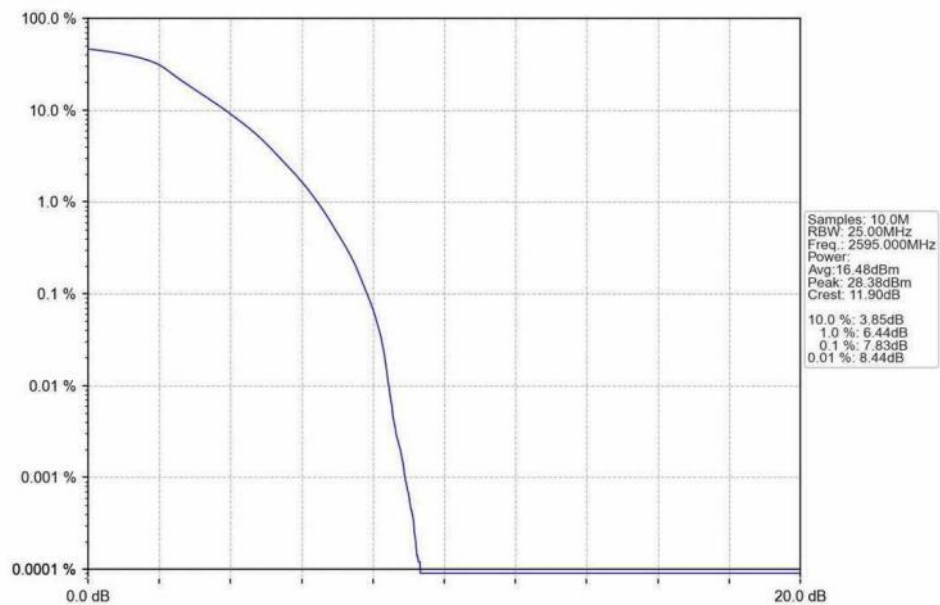


5.2.3 B38_15MHz

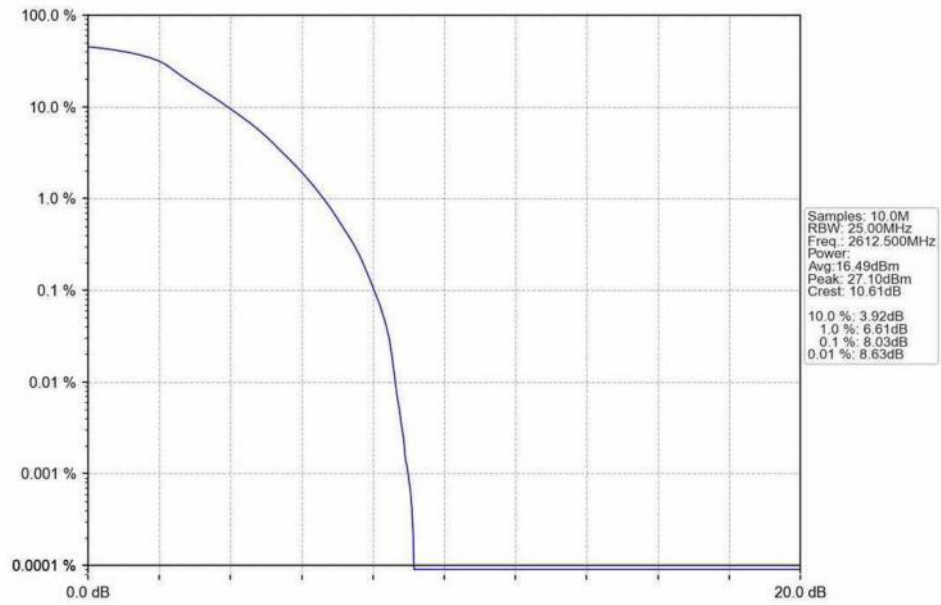
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



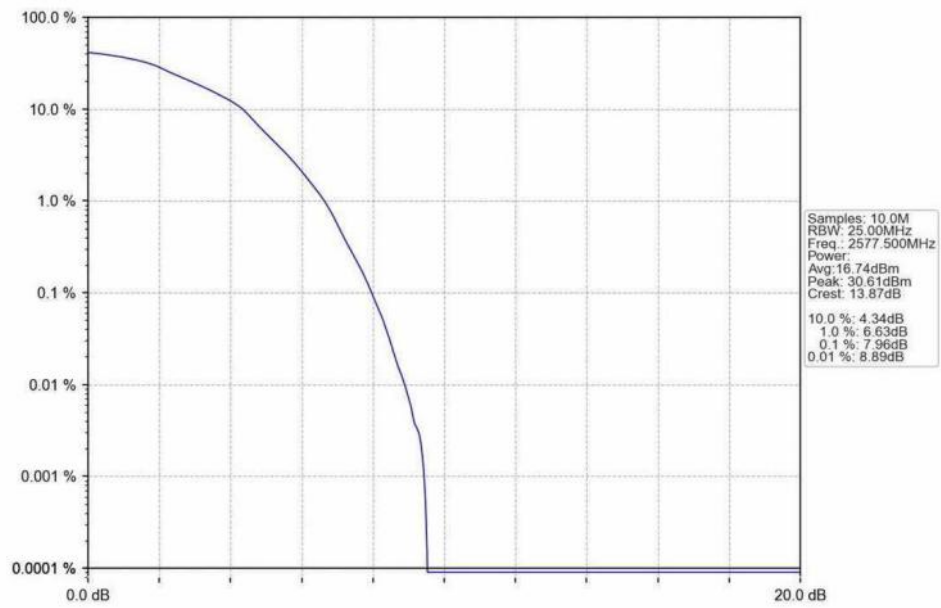
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



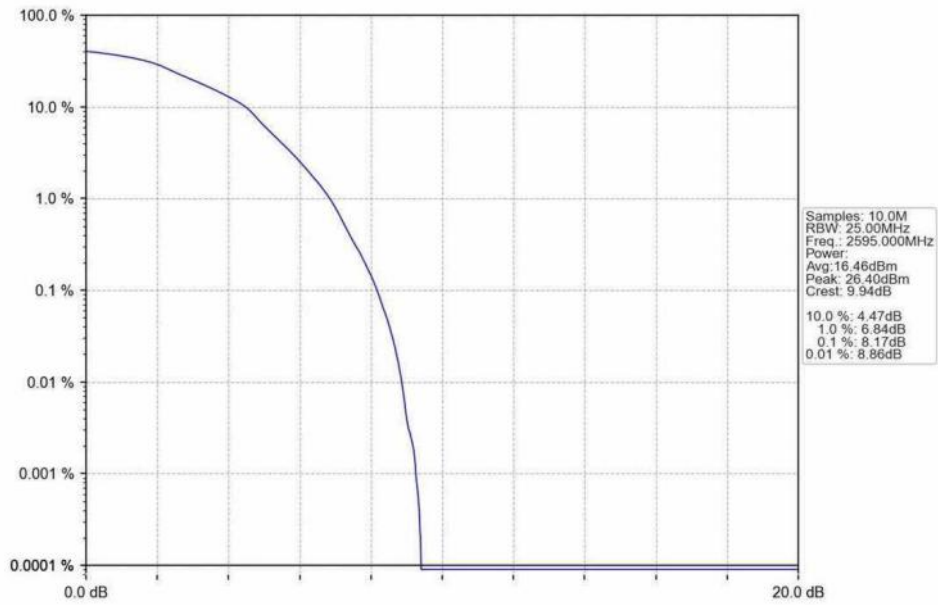
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



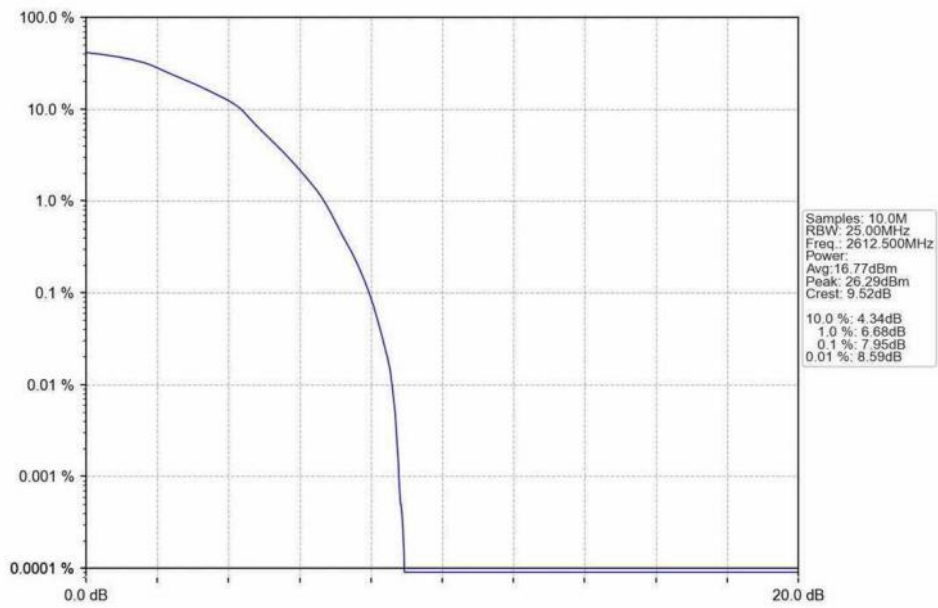
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_27_0_NTNV



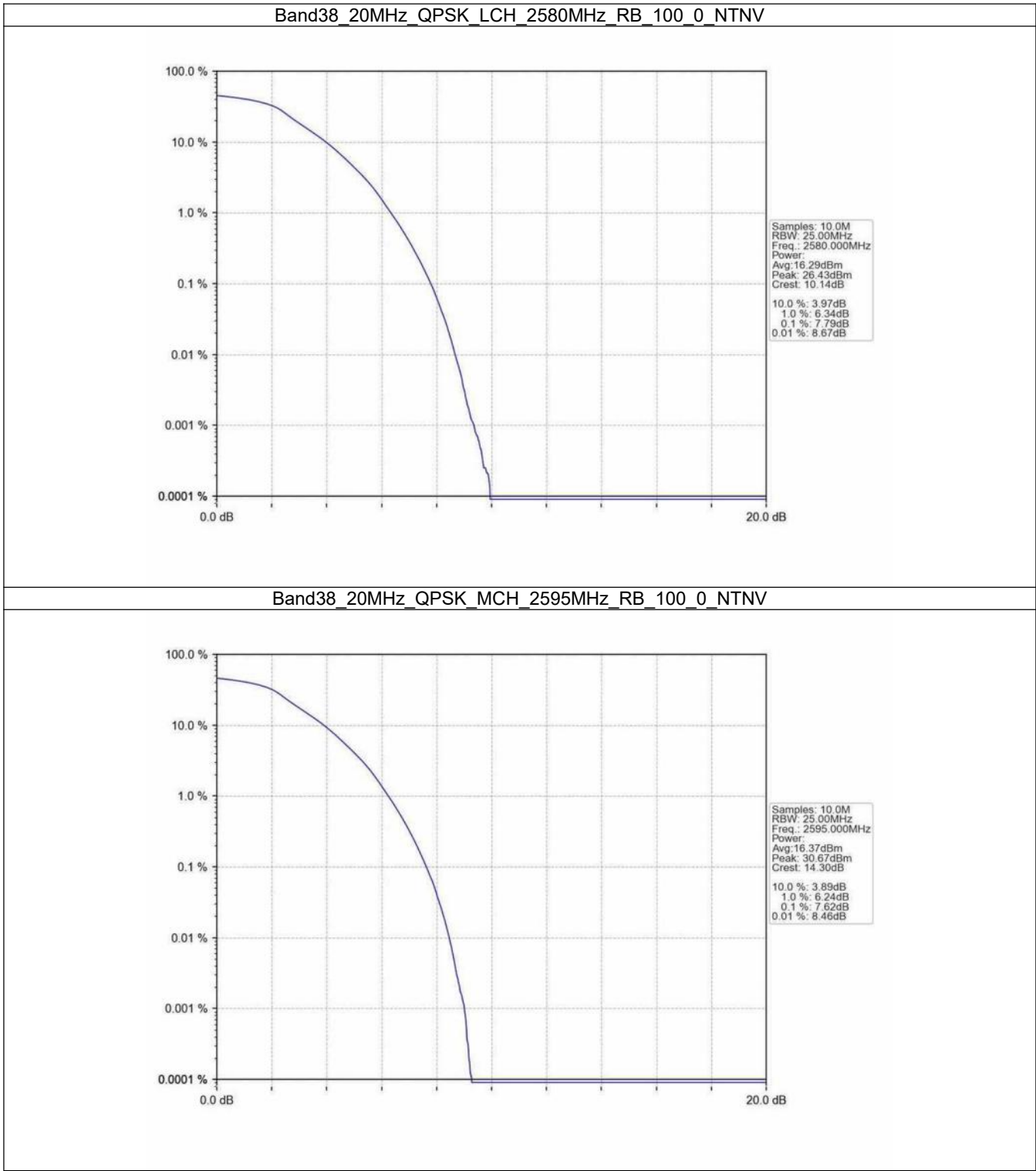
Band38_15MHz_16QAM_MCH_2595MHz_RB_27_0_NTNV



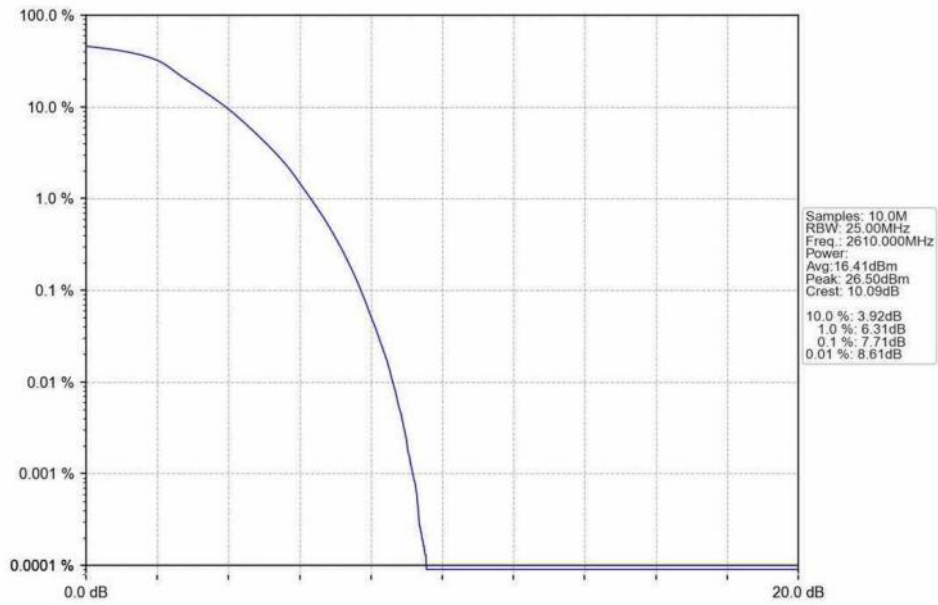
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_27_48_NTNV



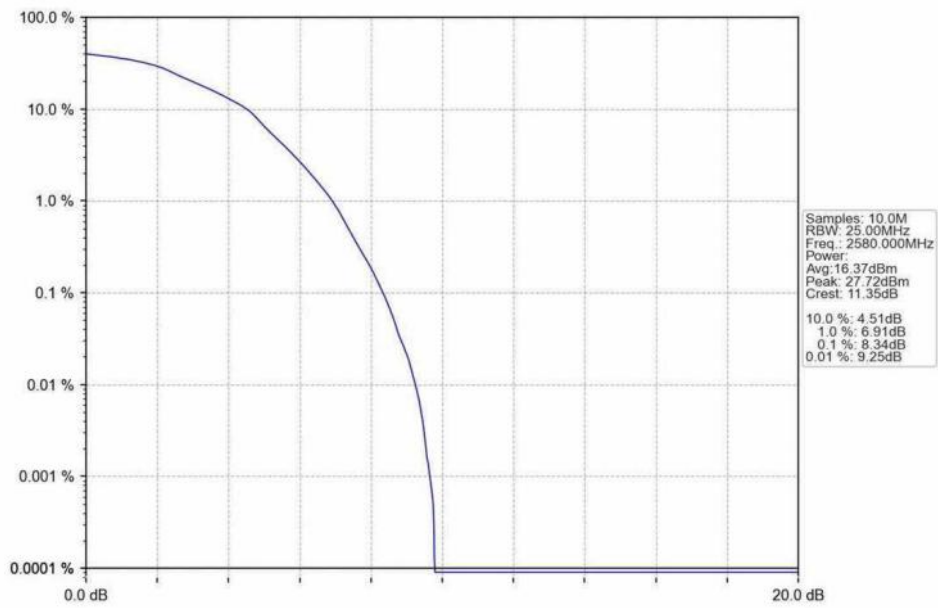
5.2.4 B38_20MHz



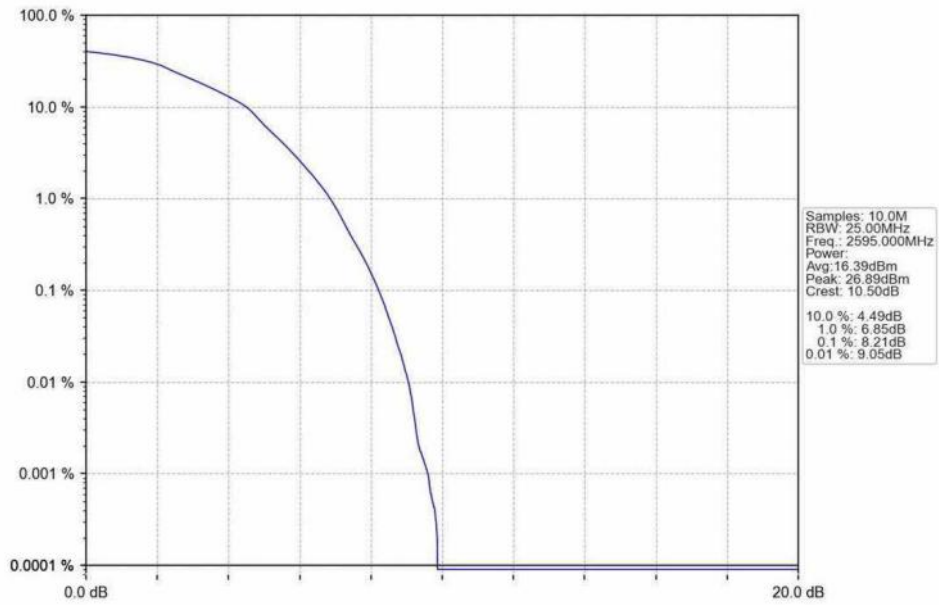
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_LCH_2580MHz_RB_27_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_27_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_27_73_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTV						
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
	2617.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		25	0	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
	2617.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTV						
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
	2615	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2575	1	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

6.1.3 B38_15MHz

Band: 38 / Bandwidth: 15MHz / NTV						
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
	2612.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2577.5	1	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass

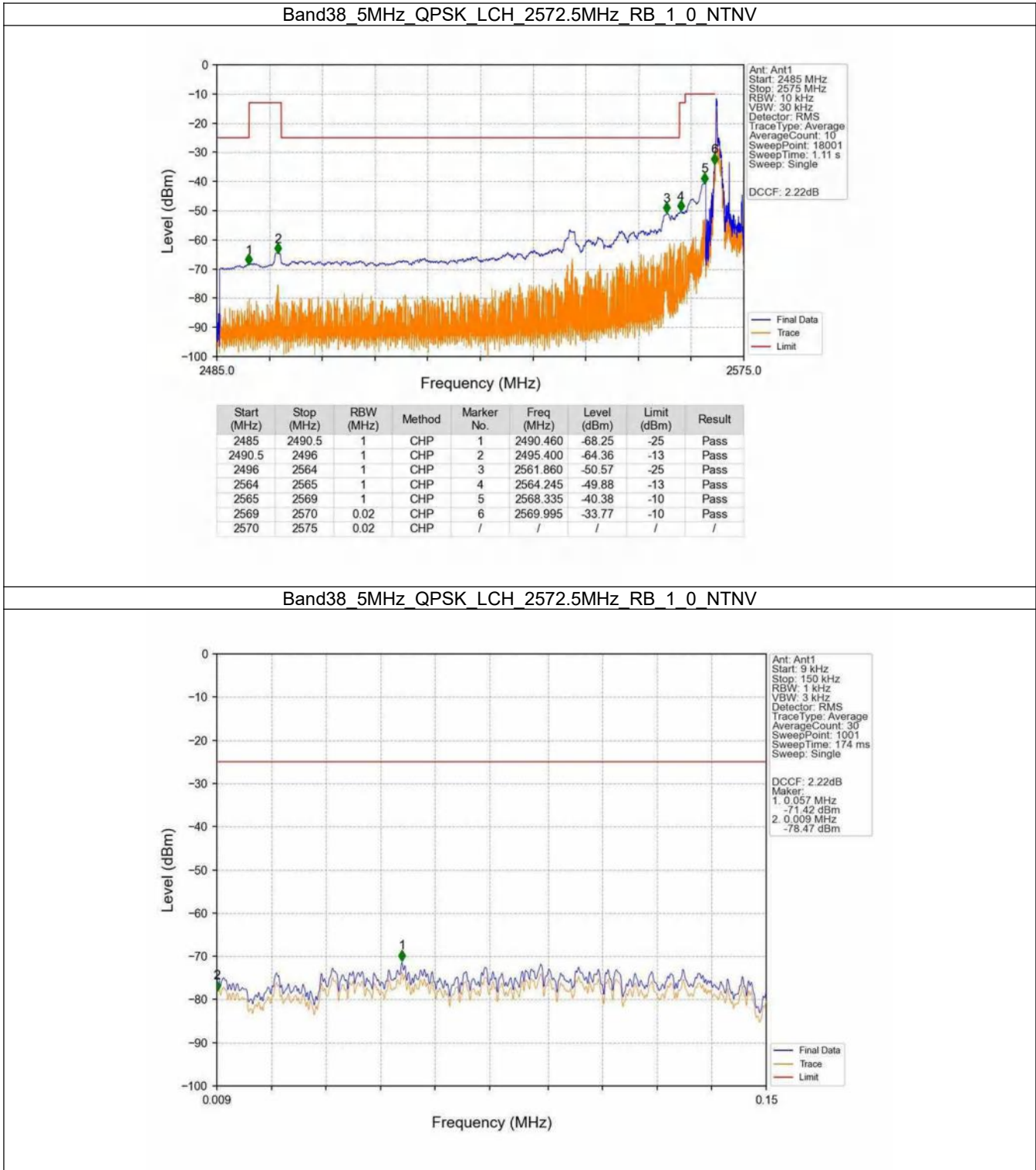
			74	Refer To Test Graph	Pass
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6.1.4 B38_20MHz

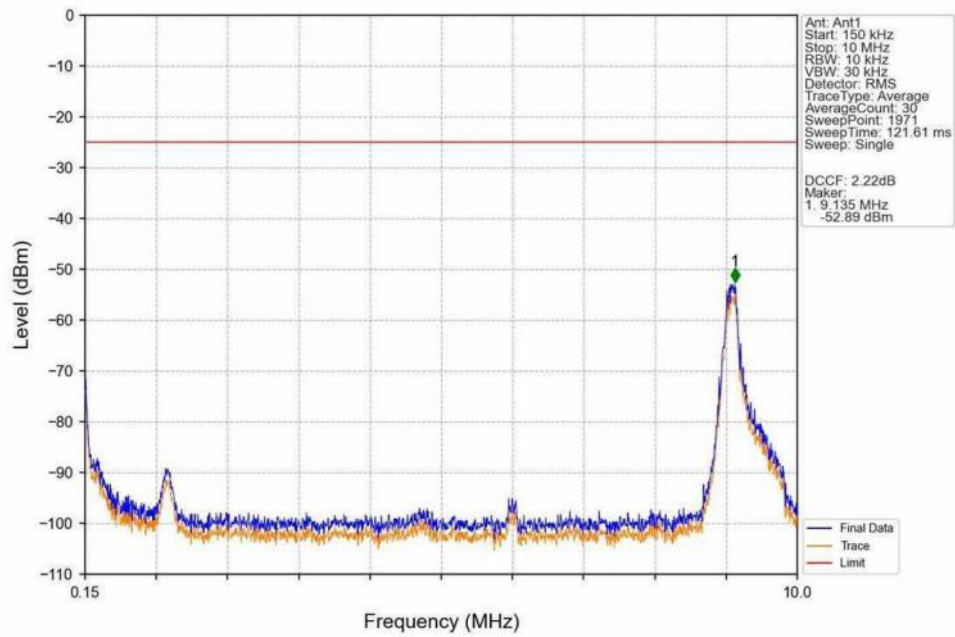
Band: 38 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2580	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2610	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass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

6.2 Test Graph

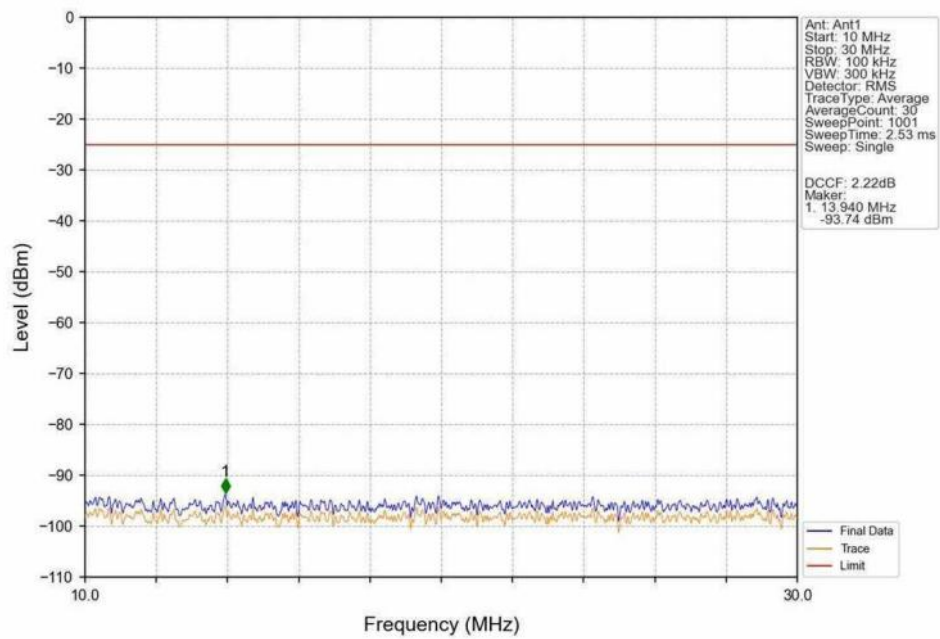
6.2.1 B38_5MHz



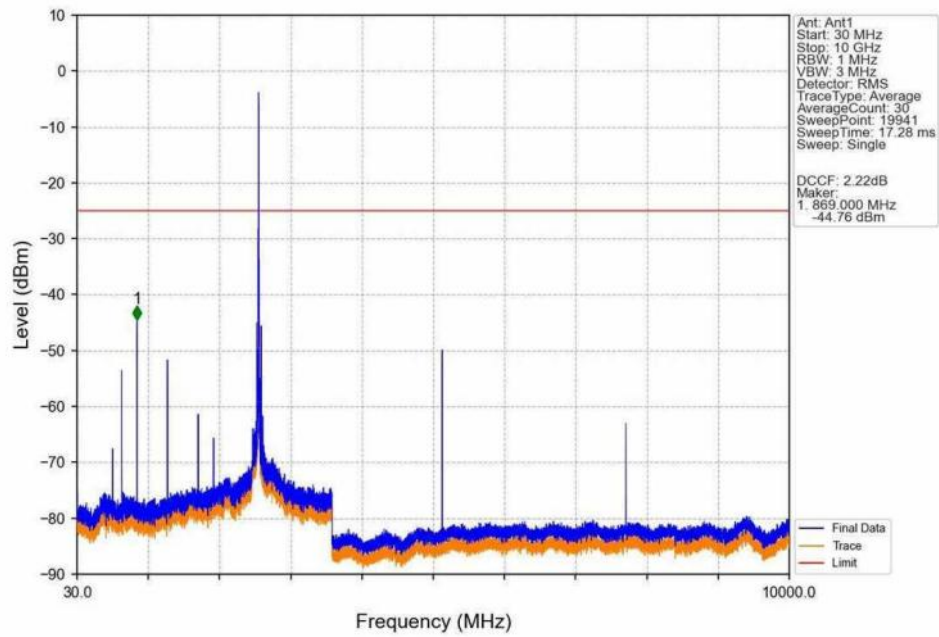
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



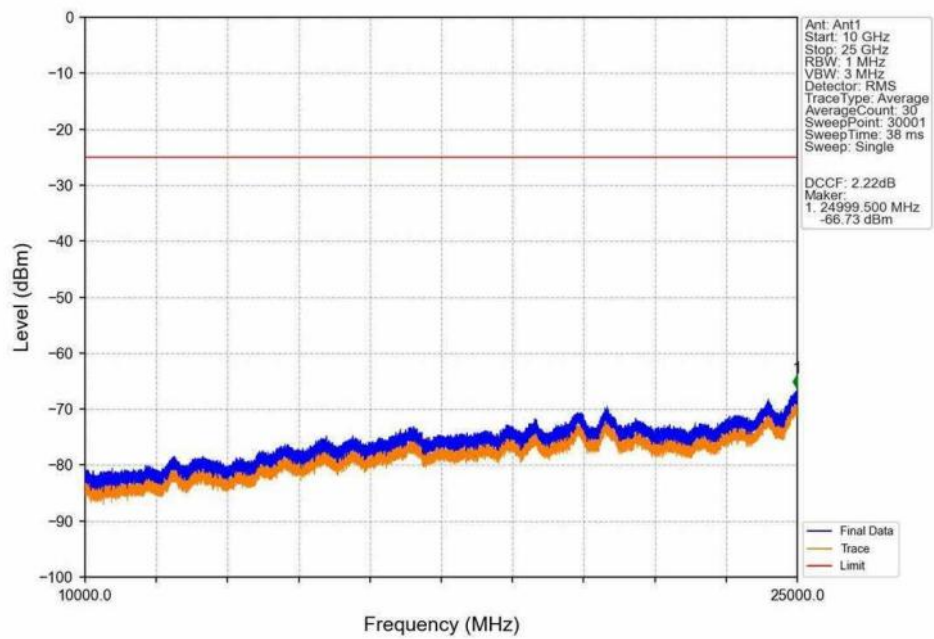
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



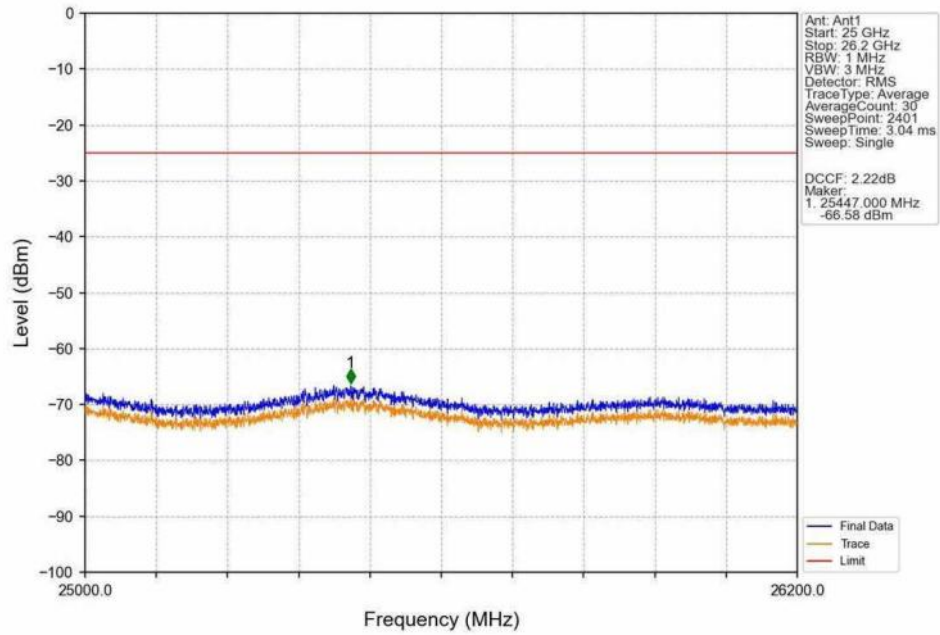
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



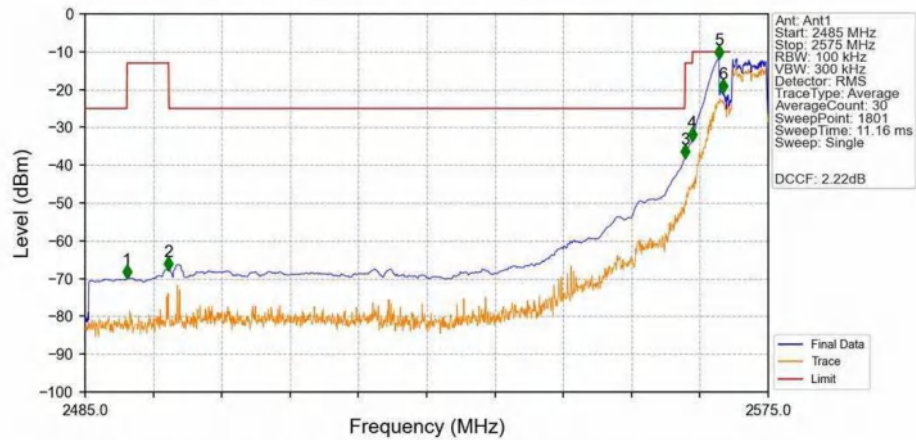
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

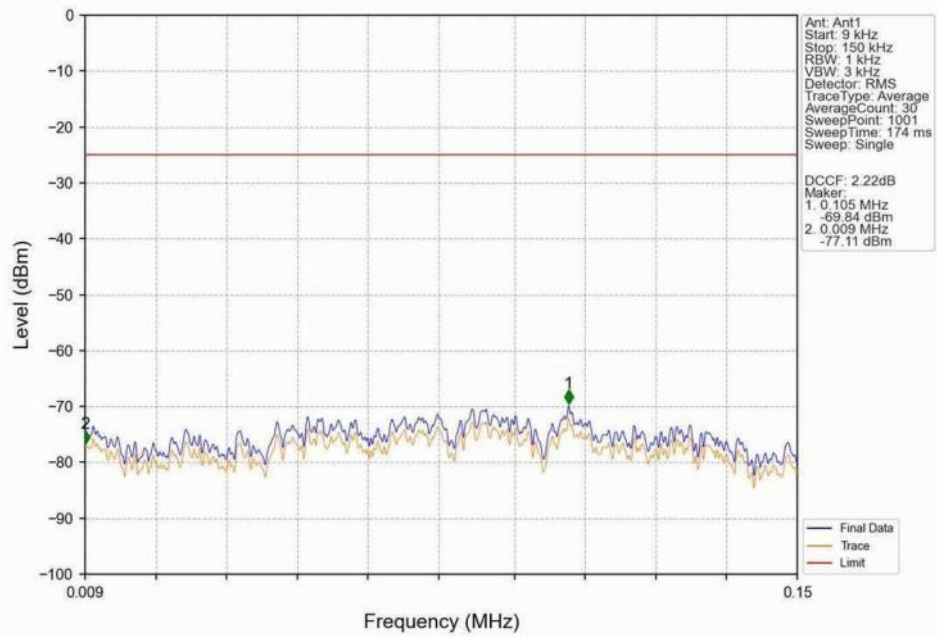


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

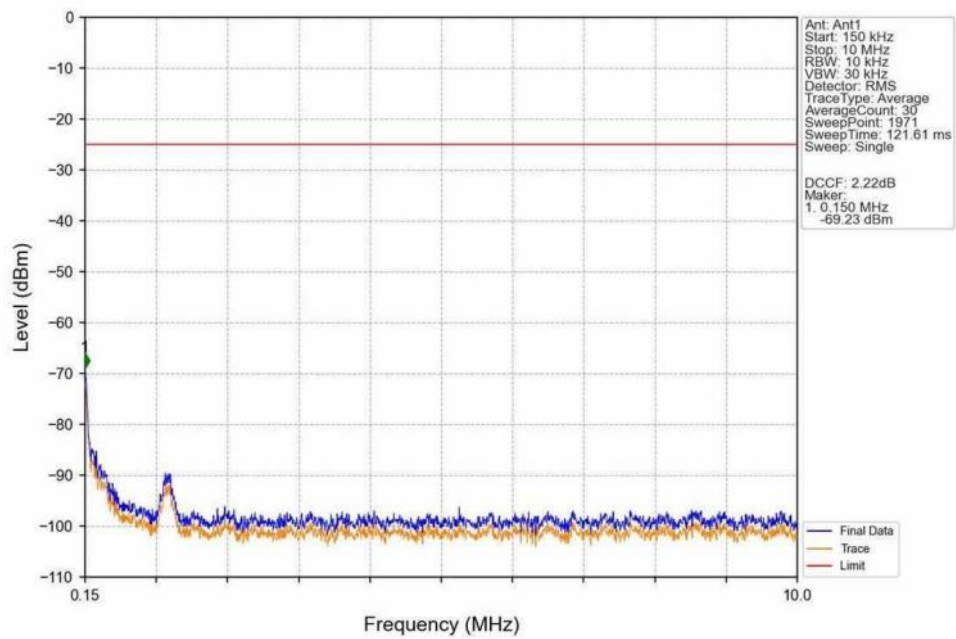


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-69.83	-25	Pass
2490.5	2496	1	CHP	2	2495.950	-67.66	-13	Pass
2496	2564	1	CHP	3	2564.000	-38.00	-25	Pass
2564	2565	1	CHP	4	2565.000	-33.43	-13	Pass
2565	2569	1	CHP	5	2568.500	-11.66	-10	Pass
2569	2570	0.1	/	6	2569.050	-20.63	-10	Pass
2570	2575	0.1	/	/	/	/	/	/

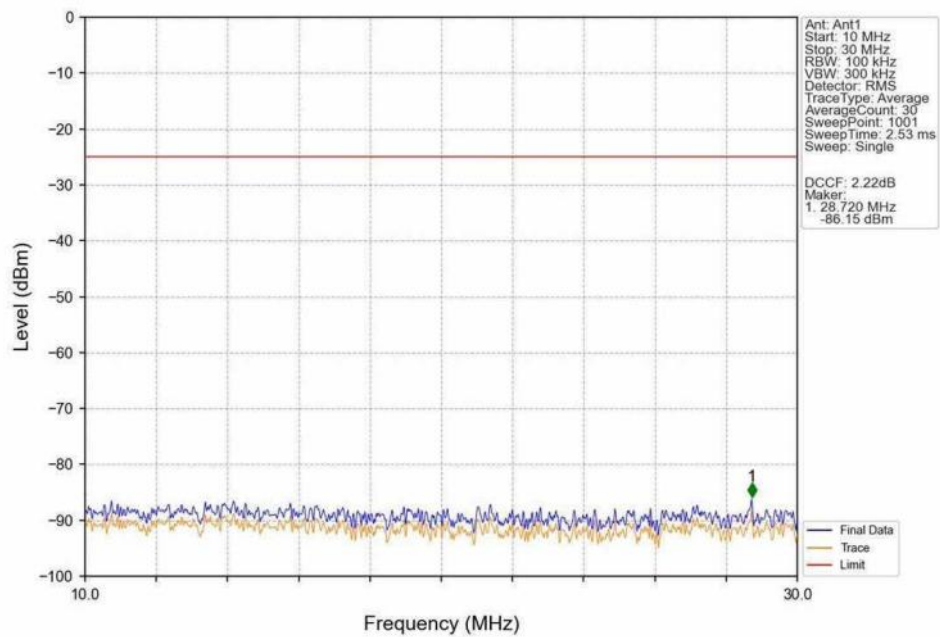
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



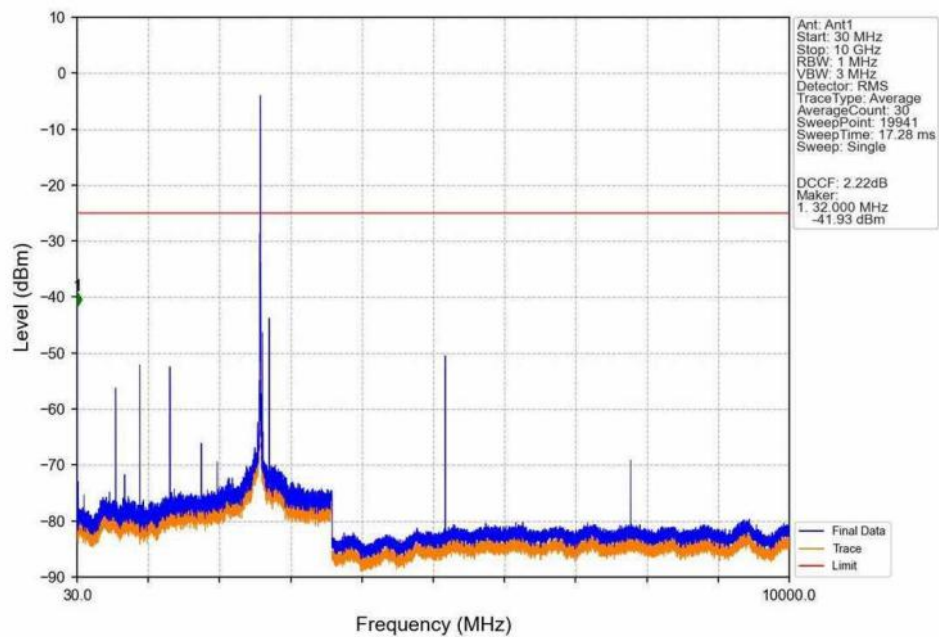
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



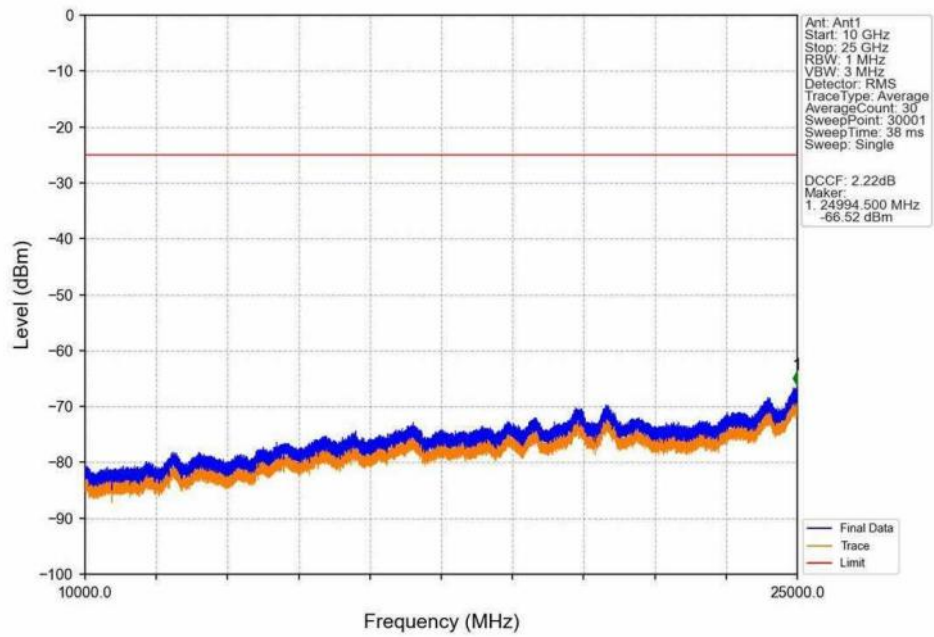
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



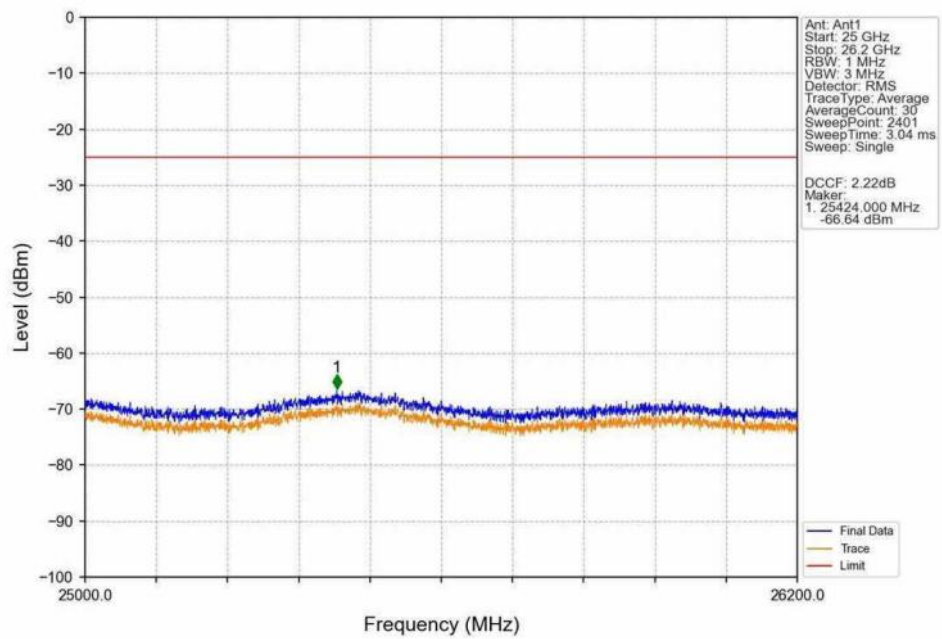
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



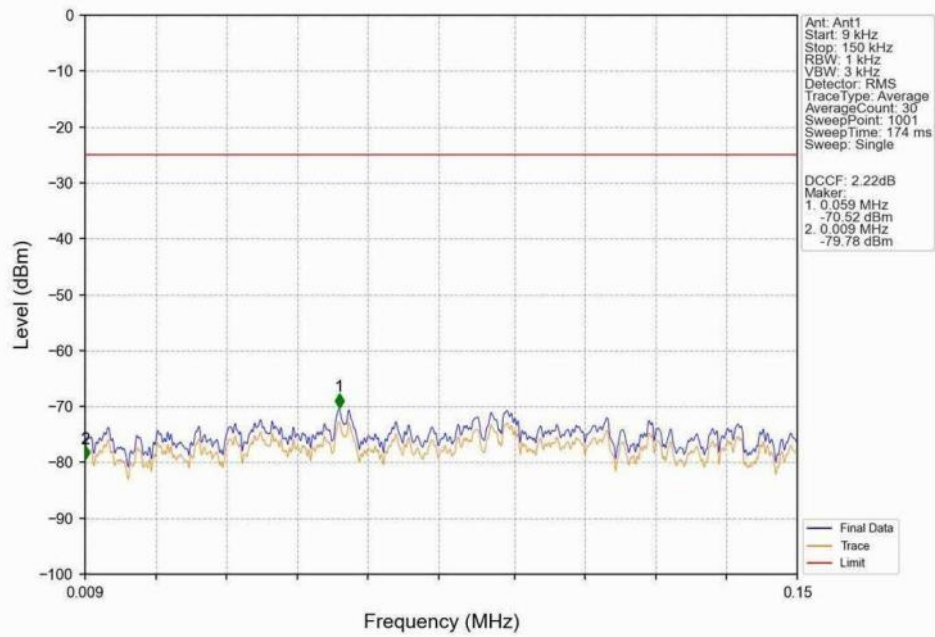
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



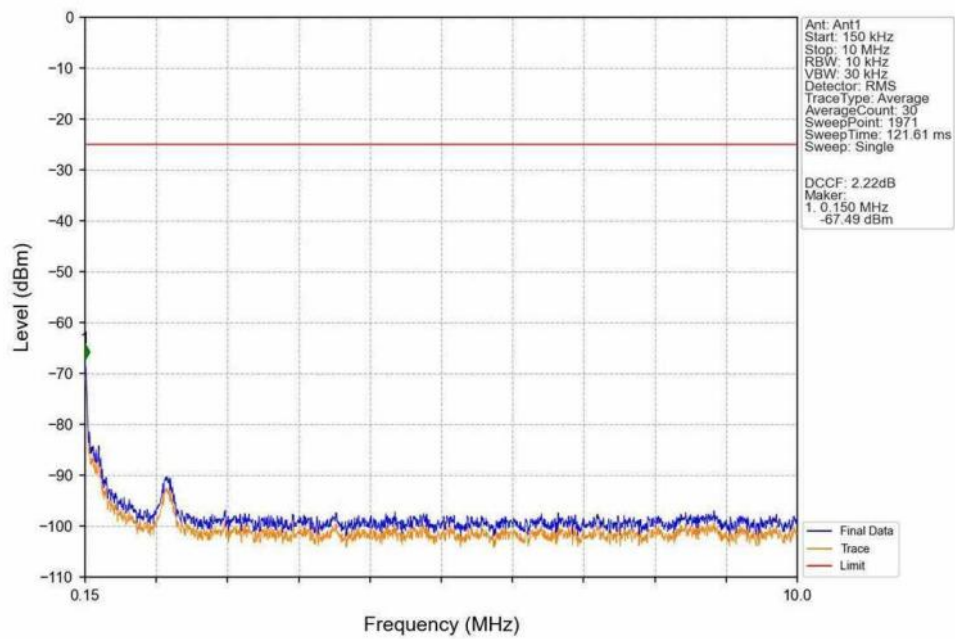
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



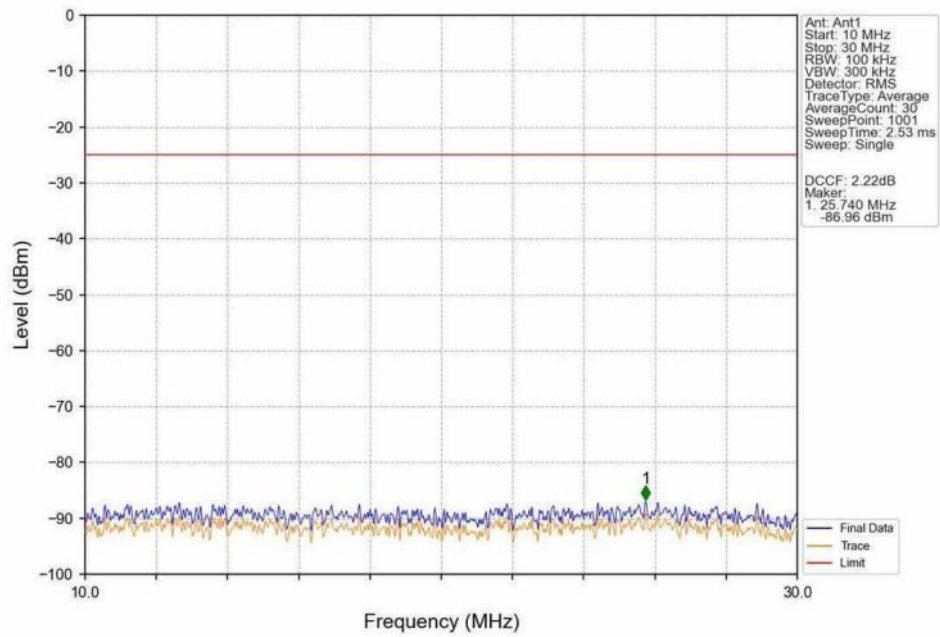
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



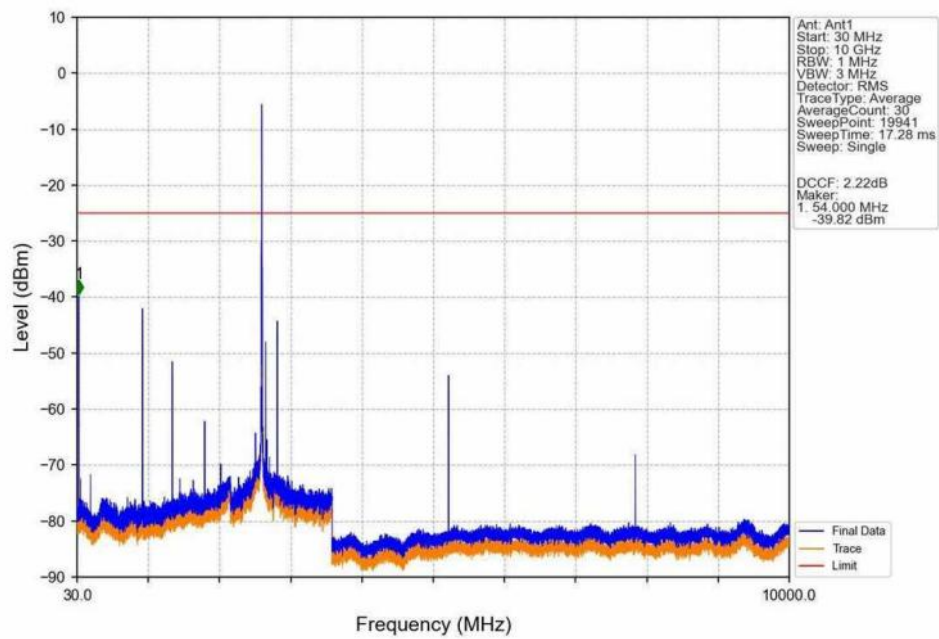
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



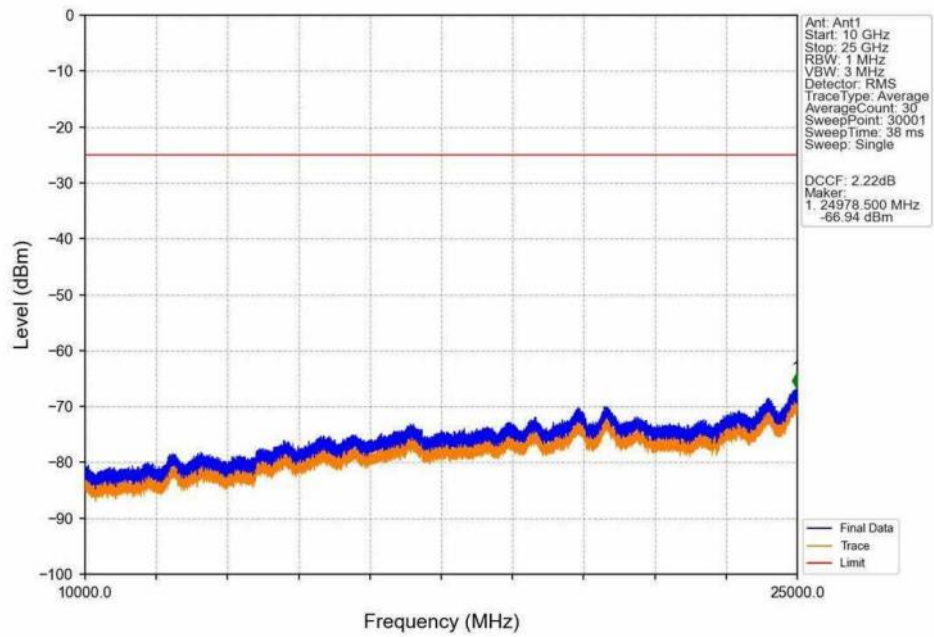
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



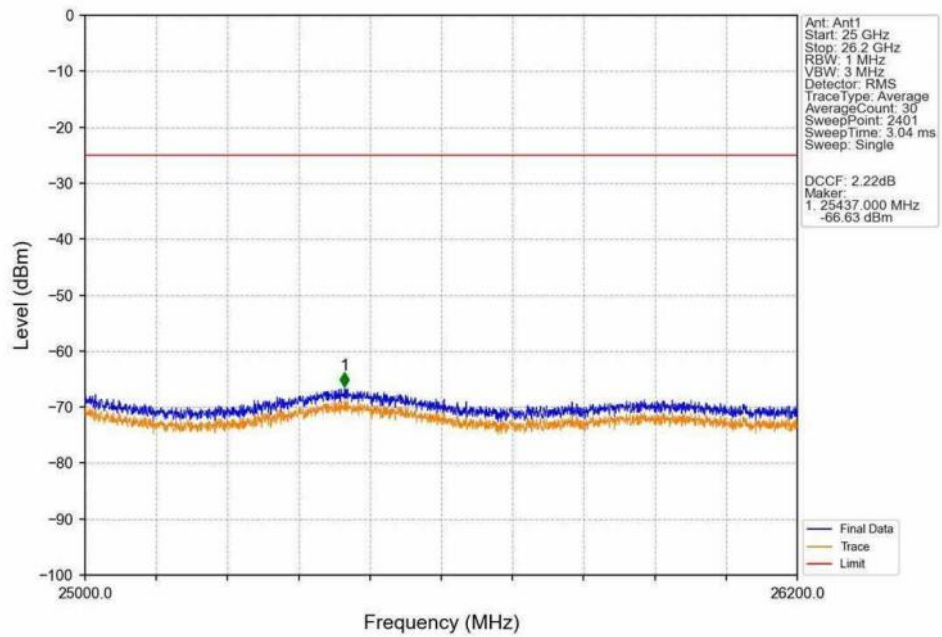
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



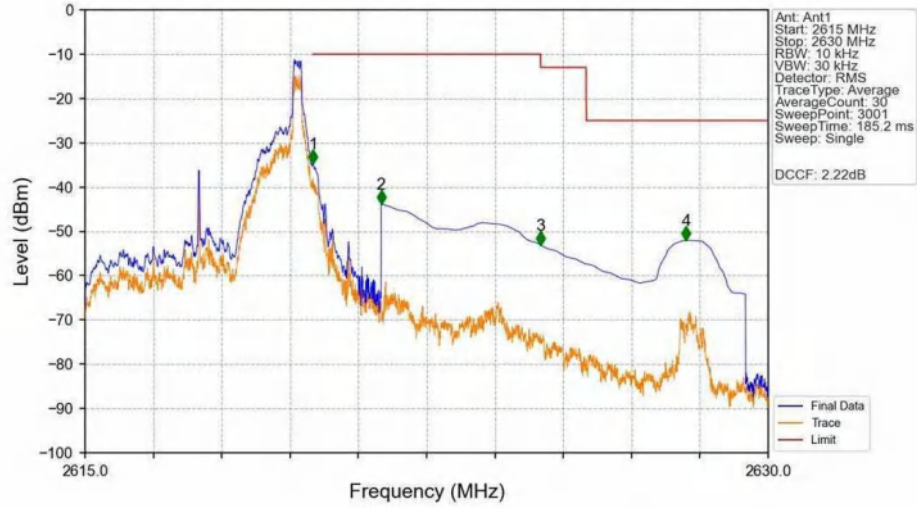
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

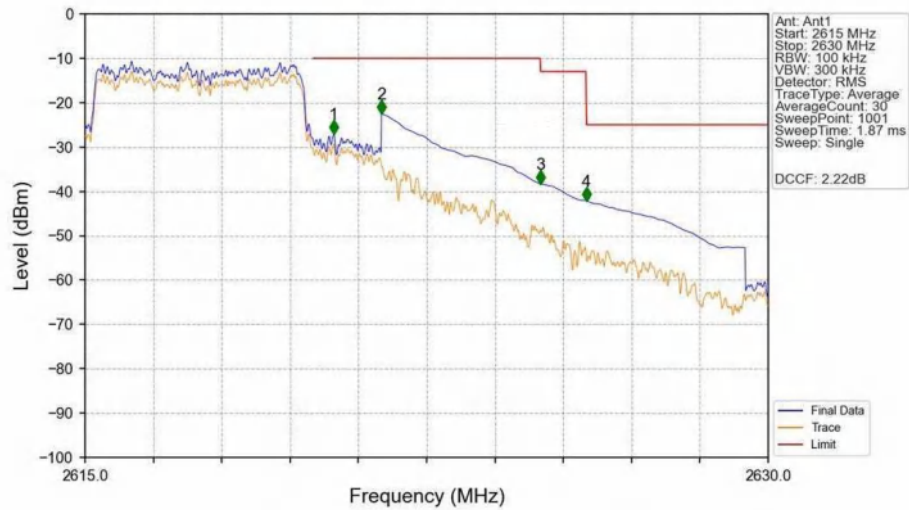


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV



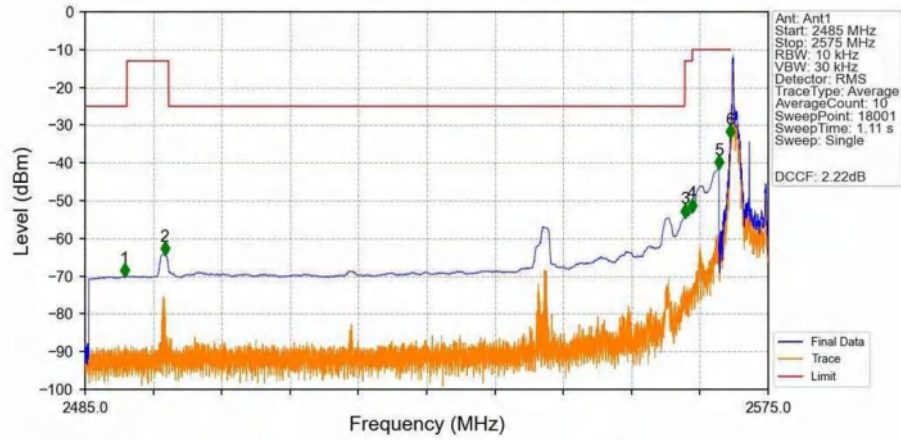
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-34.75	-10	Pass
2621	2625	1	CHP	2	2621.500	-43.92	-10	Pass
2625	2626	1	CHP	3	2625.005	-53.11	-13	Pass
2626	2630	1	CHP	4	2628.200	-52.08	-25	Pass

Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



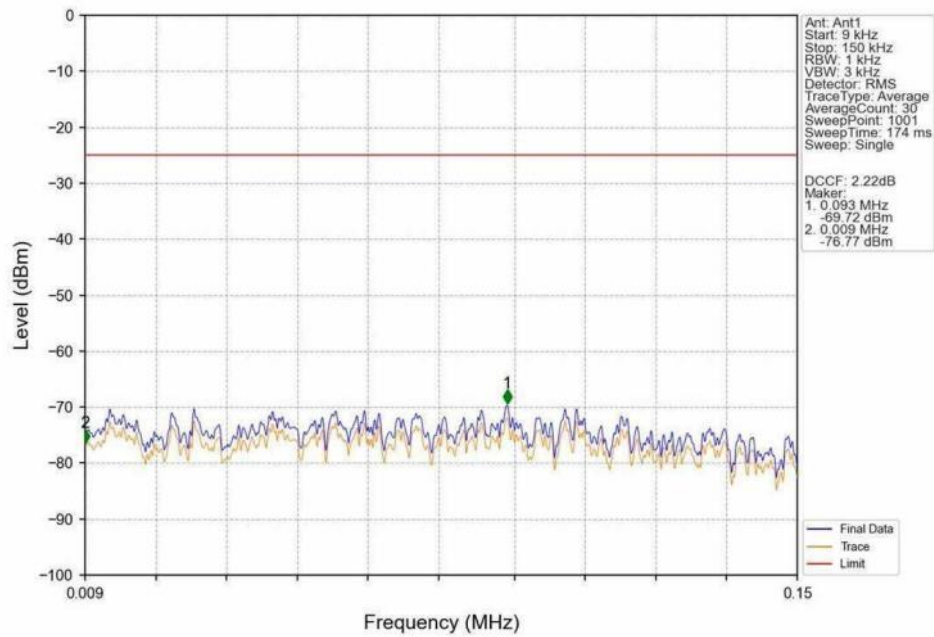
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.1	/	/	/	/	/	/
2620	2621	0.1	/	1	2620.460	-27.10	-10	Pass
2621	2625	1	CHP	2	2621.510	-22.46	-10	Pass
2625	2626	1	CHP	3	2625.005	-38.34	-13	Pass
2626	2630	1	CHP	4	2626.010	-42.16	-25	Pass

Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV

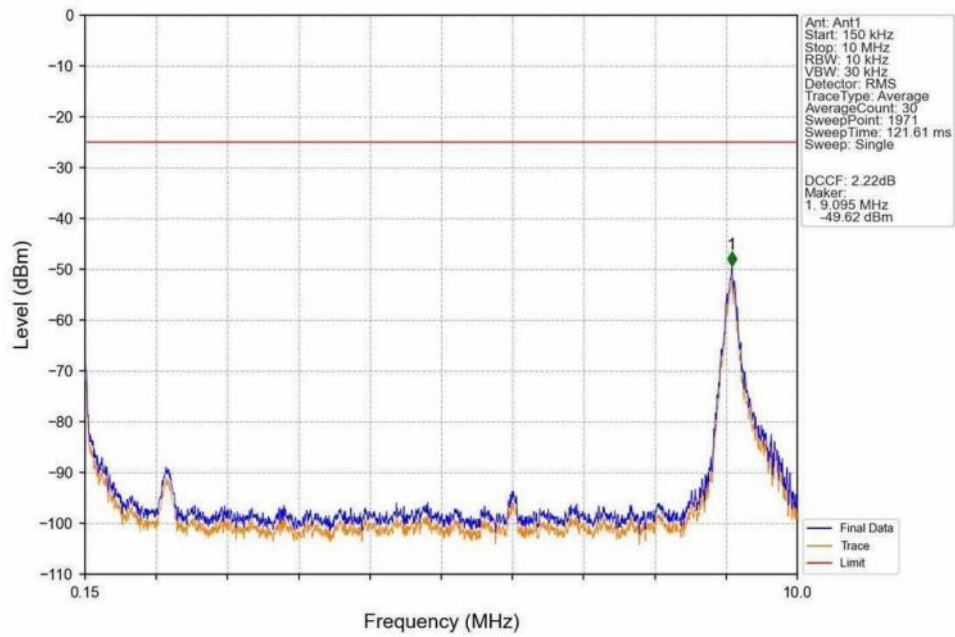


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.195	-70.05	-25	Pass
2490.5	2496	1	CHP	2	2495.490	-64.21	-13	Pass
2496	2564	1	CHP	3	2563.995	-54.29	-25	Pass
2564	2565	1	CHP	4	2565.000	-52.79	-13	Pass
2565	2569	1	CHP	5	2568.465	-41.36	-10	Pass
2569	2570	0.02	CHP	6	2569.990	-33.24	-10	Pass
2570	2575	0.02	CHP	/	/	/	/	/

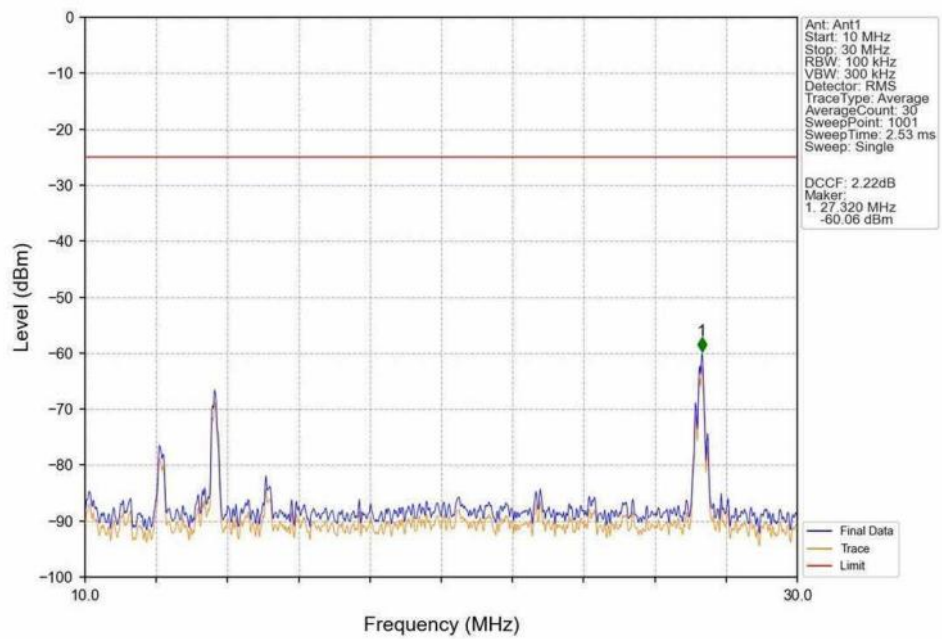
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



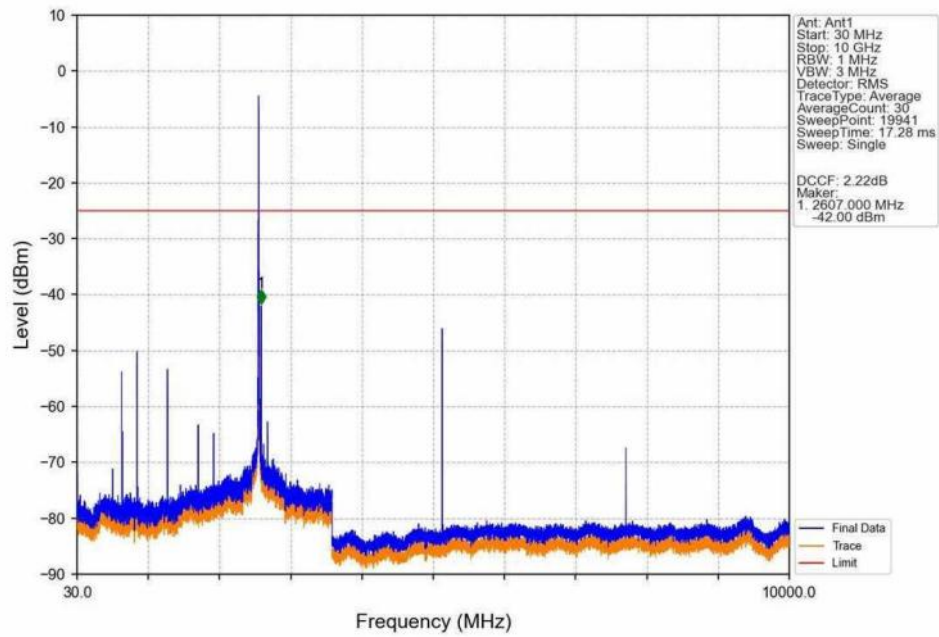
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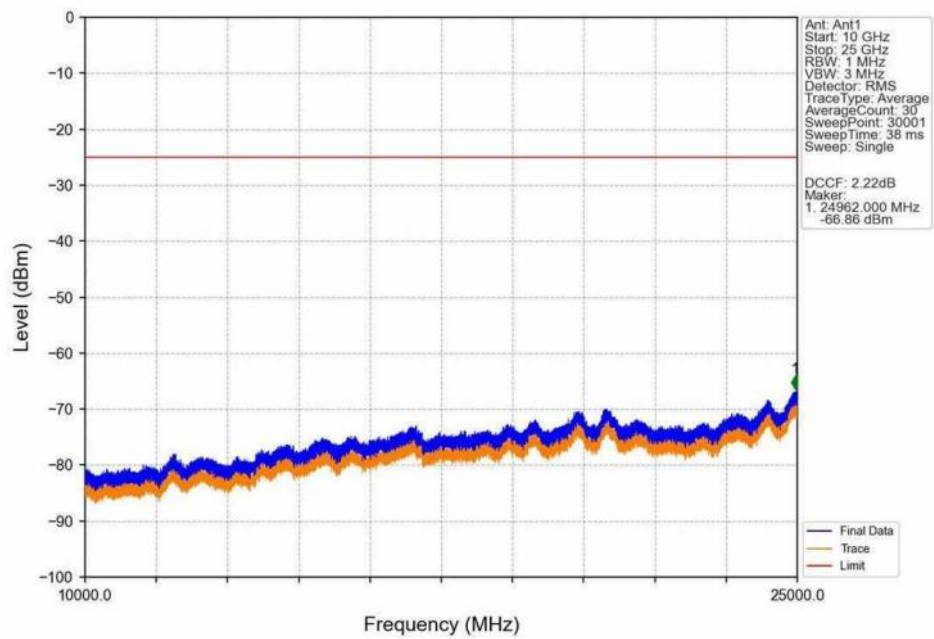
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



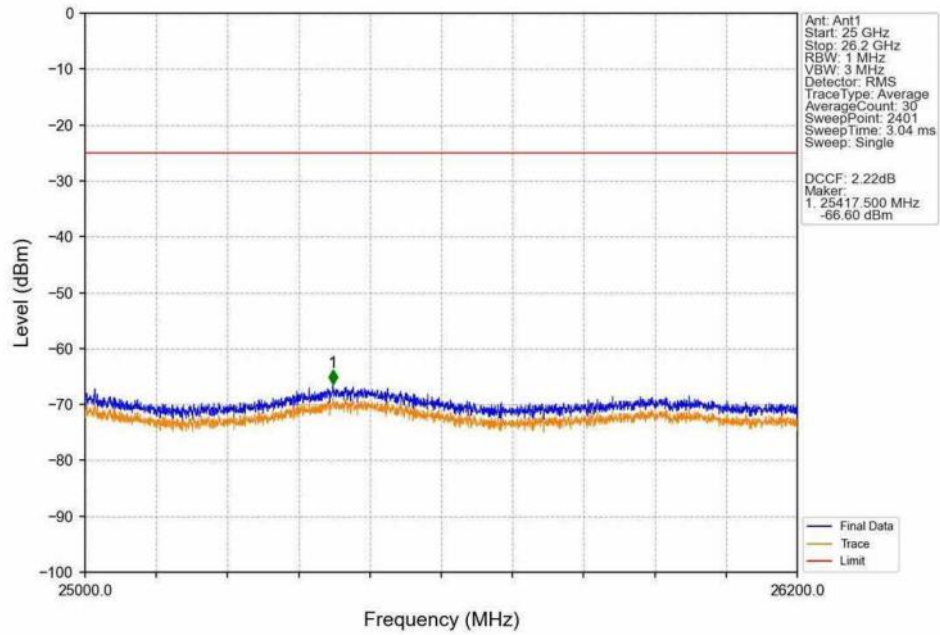
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



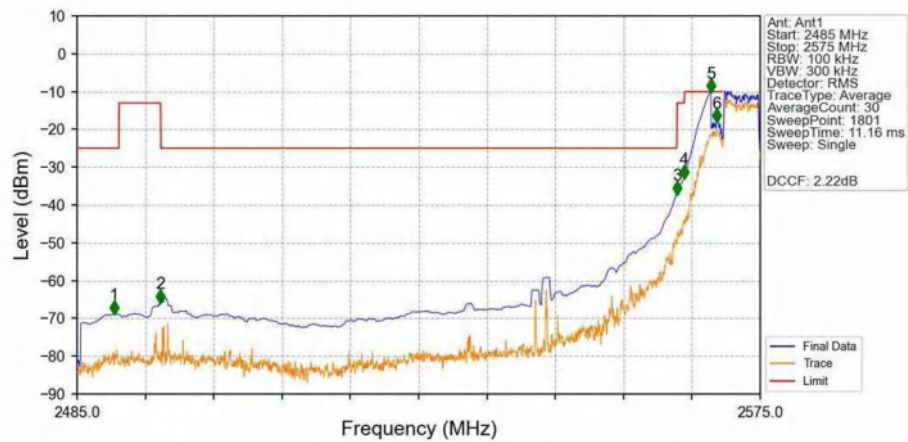
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_1_0_NTNV



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)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.850	-68.63	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-65.67	-13	Pass
2496	2564	1	CHP	3	2564.000	-36.99	-25	Pass
2564	2565	1	CHP	4	2565.000	-32.75	-13	Pass
2565	2569	1	CHP	5	2568.500	-10.03	-10	Pass
2569	2570	0.1	/	6	2569.300	-17.86	-10	Pass
2570	2575	0.1	/	/	/	/	/	/