1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B7_5MHz_EIRP

Band: 7 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2502.5	1	0	22.25	3.00	25.25	<=33.01	Pass
			13	22.42	3.00	25.42	<=33.01	Pass
			24	22.18	3.00	25.18	<=33.01	Pass
		12	0	21.77	3.00	24.77	<=33.01	Pass
			6	21.79	3.00	24.79	<=33.01	Pass
			13	21.80	3.00	24.80	<=33.01	Pass
		25	0	21.75	3.00	24.75	<=33.01	Pass
	2535	1	0	22.46	3.00	25.46	<=33.01	Pass
			13	22.71	3.00	25.71	<=33.01	Pass
			24	22.55	3.00	25.55	<=33.01	Pass
		12	0	21.85	3.00	24.85	<=33.01	Pass
			6	21.85	3.00	24.85	<=33.01	Pass
			13	21.85	3.00	24.85	<=33.01	Pass
		25	0	21.85	3.00	24.85	<=33.01	Pass
	2567.5	1	0	22.54	3.00	25.54	<=33.01	Pass
			13	22.86	3.00	25.86	<=33.01	Pass
			24	22.85	3.00	25.85	<=33.01	Pass
		12	0	21.84	3.00	24.84	<=33.01	Pass
			6	21.83	3.00	24.83	<=33.01	Pass
			13	21.85	3.00	24.85	<=33.01	Pass
		25	0	21.89	3.00	24.89	<=33.01	Pass
16QAM	2502.5	1	0	22.15	3.00	25.15	<=33.01	Pass
			13	22.25	3.00	25.25	<=33.01	Pass
			24	22.28	3.00	25.28	<=33.01	Pass
		12	0	20.80	3.00	23.80	<=33.01	Pass
			6	20.77	3.00	23.77	<=33.01	Pass
			13	20.49	3.00	23.49	<=33.01	Pass
		25	0	20.76	3.00	23.76	<=33.01	Pass
	2535	1	0	21.39	3.00	24.39	<=33.01	Pass
			13	21.08	3.00	24.08	<=33.01	Pass
			24	21.43	3.00	24.43	<=33.01	Pass
		12	0	20.70	3.00	23.70	<=33.01	Pass
			6	20.92	3.00	23.92	<=33.01	Pass
			13	20.91	3.00	23.91	<=33.01	Pass
		25	0	20.85	3.00	23.85	<=33.01	Pass
	2567.5	1	0	22.05	3.00	25.05	<=33.01	Pass
			13	21.73	3.00	24.73	<=33.01	Pass
			24	21.67	3.00	24.67	<=33.01	Pass
		12	0	21.00	3.00	24.00	<=33.01	Pass
			6	21.02	3.00	24.02	<=33.01	Pass
			13	20.68	3.00	23.68	<=33.01	Pass
		25	0	21.04	3.00	24.04	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B7_10MHz_EIRP

Band: 7 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit	
QPSK	2505	1	0	22.64	3.00	25.64	<=33.01	Pass
			25	23.06	3.00	26.06	<=33.01	Pass
			49	22.62	3.00	25.62	<=33.01	Pass
		25	0	21.82	3.00	24.82	<=33.01	Pass
			13	21.88	3.00	24.88	<=33.01	Pass
			25	21.91	3.00	24.91	<=33.01	Pass
		50	0	21.89	3.00	24.89	<=33.01	Pass
	2535	1	0	22.89	3.00	25.89	<=33.01	Pass
			25	23.04	3.00	26.04	<=33.01	Pass
			49	22.80	3.00	25.80	<=33.01	Pass
		25	0	21.89	3.00	24.89	<=33.01	Pass
			13	21.85	3.00	24.85	<=33.01	Pass
			25	21.88	3.00	24.88	<=33.01	Pass
		50	0	21.88	3.00	24.88	<=33.01	Pass
	2565	1	0	23.11	3.00	26.11	<=33.01	Pass
			25	22.92	3.00	25.92	<=33.01	Pass
			49	23.02	3.00	26.02	<=33.01	Pass
		25	0	21.91	3.00	24.91	<=33.01	Pass
			13	21.93	3.00	24.93	<=33.01	Pass
			25	21.92	3.00	24.92	<=33.01	Pass
		50	0	21.93	3.00	24.93	<=33.01	Pass
16QAM	2505	1	0	21.94	3.00	24.94	<=33.01	Pass
			25	21.79	3.00	24.79	<=33.01	Pass
			49	21.78	3.00	24.78	<=33.01	Pass
		25	0	21.01	3.00	24.01	<=33.01	Pass
			13	21.01	3.00	24.01	<=33.01	Pass
			25	20.95	3.00	23.95	<=33.01	Pass
		50	0	20.71	3.00	23.71	<=33.01	Pass
	2535	1	0	22.55	3.00	25.55	<=33.01	Pass
			25	22.40	3.00	25.40	<=33.01	Pass
			49	22.26	3.00	25.26	<=33.01	Pass
		25	0	21.20	3.00	24.20	<=33.01	Pass
			13	21.04	3.00	24.04	<=33.01	Pass
			25	20.98	3.00	23.98	<=33.01	Pass
		50	0	20.88	3.00	23.88	<=33.01	Pass
	2565	1	0	22.56	3.00	25.56	<=33.01	Pass
			25	22.34	3.00	25.34	<=33.01	Pass
			49	22.24	3.00	25.24	<=33.01	Pass
		25	0	21.08	3.00	24.08	<=33.01	Pass
			13	21.07	3.00	24.07	<=33.01	Pass
			25	21.02	3.00	24.02	<=33.01	Pass
		50	0	20.87	3.00	23.87	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B7_15MHz_EIRP

Band: 7 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2507.5	1	0	22.70	3.00	25.70	<=33.01	Pass
			38	22.77	3.00	25.77	<=33.01	Pass
			74	22.52	3.00	25.52	<=33.01	Pass
		36	0	21.77	3.00	24.77	<=33.01	Pass
			18	21.87	3.00	24.87	<=33.01	Pass
			39	21.81	3.00	24.81	<=33.01	Pass
		75	0	21.84	3.00	24.84	<=33.01	Pass
	2535	1	0	22.64	3.00	25.64	<=33.01	Pass

			38	22.94	3.00	25.94	<=33.01	Pass
			74	22.88	3.00	25.88	<=33.01	Pass
		36	0	21.88	3.00	24.88	<=33.01	Pass
			18	21.89	3.00	24.89	<=33.01	Pass
			39	21.85	3.00	24.85	<=33.01	Pass
		75	0	21.87	3.00	24.87	<=33.01	Pass
	2562.5	1	0	22.67	3.00	25.67	<=33.01	Pass
			38	22.94	3.00	25.94	<=33.01	Pass
			74	22.82	3.00	25.82	<=33.01	Pass
		36	0	21.93	3.00	24.93	<=33.01	Pass
			18	21.89	3.00	24.89	<=33.01	Pass
			39	21.84	3.00	24.84	<=33.01	Pass
		75	0	21.91	3.00	24.91	<=33.01	Pass
16QAM	2507.5	1	0	21.82	3.00	24.82	<=33.01	Pass
			38	21.75	3.00	24.75	<=33.01	Pass
			74	21.35	3.00	24.35	<=33.01	Pass
		36	0	20.91	3.00	23.91	<=33.01	Pass
			18	20.92	3.00	23.92	<=33.01	Pass
			39	20.78	3.00	23.78	<=33.01	Pass
		75	0	20.80	3.00	23.80	<=33.01	Pass
	2535	1	0	21.39	3.00	24.39	<=33.01	Pass
			38	22.12	3.00	25.12	<=33.01	Pass
			74	22.64	3.00	25.64	<=33.01	Pass
		36	0	20.87	3.00	23.87	<=33.01	Pass
			18	21.18	3.00	24.18	<=33.01	Pass
			39	20.90	3.00	23.90	<=33.01	Pass
		75	0	20.89	3.00	23.89	<=33.01	Pass
	2562.5	1	0	22.38	3.00	25.38	<=33.01	Pass
			38	22.20	3.00	25.20	<=33.01	Pass
			74	21.99	3.00	24.99	<=33.01	Pass
		36	0	20.99	3.00	23.99	<=33.01	Pass
			18	20.84	3.00	23.84	<=33.01	Pass
			39	20.91	3.00	23.91	<=33.01	Pass
		75	0	20.87	3.00	23.87	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B7_20MHz_EIRP

Band: 7 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	22.49	3.00	25.49	<=33.01	Pass
			50	22.81	3.00	25.81	<=33.01	Pass
			99	22.40	3.00	25.40	<=33.01	Pass
		50	0	21.81	3.00	24.81	<=33.01	Pass
			25	21.85	3.00	24.85	<=33.01	Pass
			50	21.78	3.00	24.78	<=33.01	Pass
		100	0	21.82	3.00	24.82	<=33.01	Pass
	2535	1	0	22.60	3.00	25.60	<=33.01	Pass
			50	23.15	3.00	26.15	<=33.01	Pass
			99	22.90	3.00	25.90	<=33.01	Pass
		50	0	21.85	3.00	24.85	<=33.01	Pass
			25	21.93	3.00	24.93	<=33.01	Pass
			50	21.92	3.00	24.92	<=33.01	Pass
		100	0	21.93	3.00	24.93	<=33.01	Pass
	2560	1	0	22.52	3.00	25.52	<=33.01	Pass
			50	22.88	3.00	25.88	<=33.01	Pass
			99	22.85	3.00	25.85	<=33.01	Pass

		50	0	21.94	3.00	24.94	<=33.01	Pass
			25	21.88	3.00	24.88	<=33.01	Pass
			50	21.95	3.00	24.95	<=33.01	Pass
		100	0	21.88	3.00	24.88	<=33.01	Pass
16QAM	2510	1	0	23.28	3.00	26.28	<=33.01	Pass
			50	22.83	3.00	25.83	<=33.01	Pass
			99	22.44	3.00	25.44	<=33.01	Pass
		50	0	20.82	3.00	23.82	<=33.01	Pass
			25	20.73	3.00	23.73	<=33.01	Pass
			50	20.72	3.00	23.72	<=33.01	Pass
		100	0	20.74	3.00	23.74	<=33.01	Pass
	2535	1	0	21.89	3.00	24.89	<=33.01	Pass
			50	22.07	3.00	25.07	<=33.01	Pass
			99	21.43	3.00	24.43	<=33.01	Pass
		50	0	21.05	3.00	24.05	<=33.01	Pass
			25	20.93	3.00	23.93	<=33.01	Pass
			50	20.92	3.00	23.92	<=33.01	Pass
		100	0	20.95	3.00	23.95	<=33.01	Pass
	2560	1	0	22.22	3.00	25.22	<=33.01	Pass
			50	22.63	3.00	25.63	<=33.01	Pass
			99	22.53	3.00	25.53	<=33.01	Pass
		50	0	20.95	3.00	23.95	<=33.01	Pass
			25	20.91	3.00	23.91	<=33.01	Pass
			50	20.99	3.00	23.99	<=33.01	Pass
		100	0	20.93	3.00	23.93	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B7_20MHz

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.55	2.933	0.0012	/	Pass
					4	2.804	0.0011	/	Pass
					4.4	2.761	0.0011	/	Pass
				-30	4	2.060	0.0008	/	Pass
				-20	4	3.104	0.0012	/	Pass
				-10	4	1.845	0.0007	/	Pass
				0	4	1.774	0.0007	/	Pass
				10	4	2.160	0.0009	/	Pass
				30	4	2.403	0.0010	/	Pass
				40	4	1.431	0.0006	/	Pass
				50	4	2.546	0.0010	/	Pass
	2535	100	0	20	3.55	-1.545	-0.0006	/	Pass
					4	-2.131	-0.0008	/	Pass
					4.4	-2.346	-0.0009	/	Pass
				-30	4	-3.762	-0.0015	/	Pass
				-20	4	-2.646	-0.0010	/	Pass
				-10	4	-4.334	-0.0017	/	Pass
				0	4	-3.576	-0.0014	/	Pass
				10	4	-2.031	-0.0008	/	Pass
				30	4	-2.031	-0.0008	/	Pass
				40	4	-2.747	-0.0011	/	Pass

				50	4	-2.890	-0.0011	/	Pass
	2560	100	0	20	3.55	2.789	0.0011	/	Pass
					4	1.917	0.0007	/	Pass
					4.4	1.974	0.0008	/	Pass
				-30	4	1.402	0.0005	/	Pass
				-20	4	0.730	0.0003	/	Pass
				-10	4	1.030	0.0004	/	Pass
				0	4	1.473	0.0006	/	Pass
				10	4	-0.129	-0.0001	/	Pass
				30	4	2.904	0.0011	/	Pass
				40	4	2.332	0.0009	/	Pass
				50	4	0.243	0.0001	/	Pass
16QAM	2510	100	0	20	3.55	3.133	0.0012	/	Pass
					4	2.060	0.0008	/	Pass
					4.4	2.933	0.0012	/	Pass
				-30	4	2.747	0.0011	/	Pass
				-20	4	1.216	0.0005	/	Pass
				-10	4	4.234	0.0017	/	Pass
				0	4	-0.172	-0.0001	/	Pass
				10	4	1.917	0.0008	/	Pass
				30	4	1.016	0.0004	/	Pass
				40	4	1.316	0.0005	/	Pass
				50	4	0.815	0.0003	/	Pass
	2535	100	0	20	3.55	-4.563	-0.0018	/	Pass
					4	-2.074	-0.0008	/	Pass
					4.4	-1.888	-0.0007	/	Pass
				-30	4	-3.591	-0.0014	/	Pass
				-20	4	-1.845	-0.0007	/	Pass
				-10	4	-2.360	-0.0009	/	Pass
				0	4	-1.874	-0.0007	/	Pass
				10	4	-2.232	-0.0009	/	Pass
				30	4	-2.632	-0.0010	/	Pass
				40	4	-3.104	-0.0012	/	Pass
				50	4	-3.920	-0.0015	/	Pass
	2560	100	0	20	3.55	-0.443	-0.0002	/	Pass
					4	1.230	0.0005	/	Pass
					4.4	0.472	0.0002	/	Pass
				-30	4	1.659	0.0006	/	Pass
				-20	4	-0.615	-0.0002	/	Pass
				-10	4	-1.502	-0.0006	/	Pass
				0	4	0.157	0.0001	/	Pass
				10	4	1.316	0.0005	/	Pass
				30	4	0.014	0.0000	/	Pass
				40	4	0.014	0.0000	/	Pass
				50	4	1.602	0.0006	/	Pass

3. Field Strength of Spurious Radiation

LTE Band 7-Low channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5002.0	-52.15	-25	-27.15	-57.72	4.57	10.14	Horizontal	Pass
7503.0	-58.27	-25	-33.27	-65.07	4.94	11.74	Horizontal	Pass
10004.0	-57.36	-25	-32.36	-64.93	5.46	13.03	Horizontal	Pass
5002.0	-56.87	-25	-31.87	-62.44	4.57	10.14	Vertical	Pass
7503.0	-60.68	-25	-35.68	-67.48	4.94	11.74	Vertical	Pass
10004.0	-56.38	-25	-31.38	-63.95	5.46	13.03	Vertical	Pass

LTE Band 7-Middle channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5052.0	-58.1	-25	-33.1	-63.68	4.59	10.17	Horizontal	Pass
7578.0	-60.41	-25	-35.41	-67.29	4.95	11.83	Horizontal	Pass
10104.0	-57.25	-25	-32.25	-64.82	5.48	13.05	Horizontal	Pass
5052.0	-60.4	-25	-35.4	-65.98	4.59	10.17	Vertical	Pass
7578.0	-60.62	-25	-35.62	-67.5	4.95	11.83	Vertical	Pass
10104.0	-57.04	-25	-32.04	-64.61	5.48	13.05	Vertical	Pass

LTE Band 7-High channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5102.0	-59.93	-25	-34.93	-65.53	4.6	10.2	Horizontal	Pass
7653.0	-59.49	-25	-34.49	-66.46	4.95	11.92	Horizontal	Pass
10204.0	-56.98	-25	-31.98	-64.56	5.49	13.07	Horizontal	Pass
5102.0	-62.88	-25	-37.88	-68.48	4.6	10.2	Vertical	Pass
7653.0	-59.8	-25	-34.8	-66.77	4.95	11.92	Vertical	Pass
10204.0	-57.03	-25	-32.03	-64.61	5.49	13.07	Vertical	Pass

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band7_OBW

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	4.522	/	Pass
		2535	25	0	4.537	/	Pass
		2567.5	25	0	4.550	/	Pass
	16QAM	2502.5	25	0	4.543	/	Pass
		2535	25	0	4.543	/	Pass
		2567.5	25	0	4.525	/	Pass
10	QPSK	2505	50	0	9.026	/	Pass
		2535	50	0	9.022	/	Pass
		2565	50	0	9.042	/	Pass
	16QAM	2505	50	0	9.047	/	Pass
		2535	50	0	9.012	/	Pass
		2565	50	0	9.017	/	Pass
15	QPSK	2507.5	75	0	13.546	/	Pass
		2535	75	0	13.493	/	Pass
		2562.5	75	0	13.519	/	Pass
	16QAM	2507.5	75	0	13.505	/	Pass
		2535	75	0	13.533	/	Pass
		2562.5	75	0	13.534	/	Pass
20	QPSK	2510	100	0	18.042	/	Pass
		2535	100	0	18.002	/	Pass
		2560	100	0	18.055	/	Pass
	16QAM	2510	100	0	18.015	/	Pass
		2535	100	0	18.027	/	Pass
		2560	100	0	18.004	/	Pass

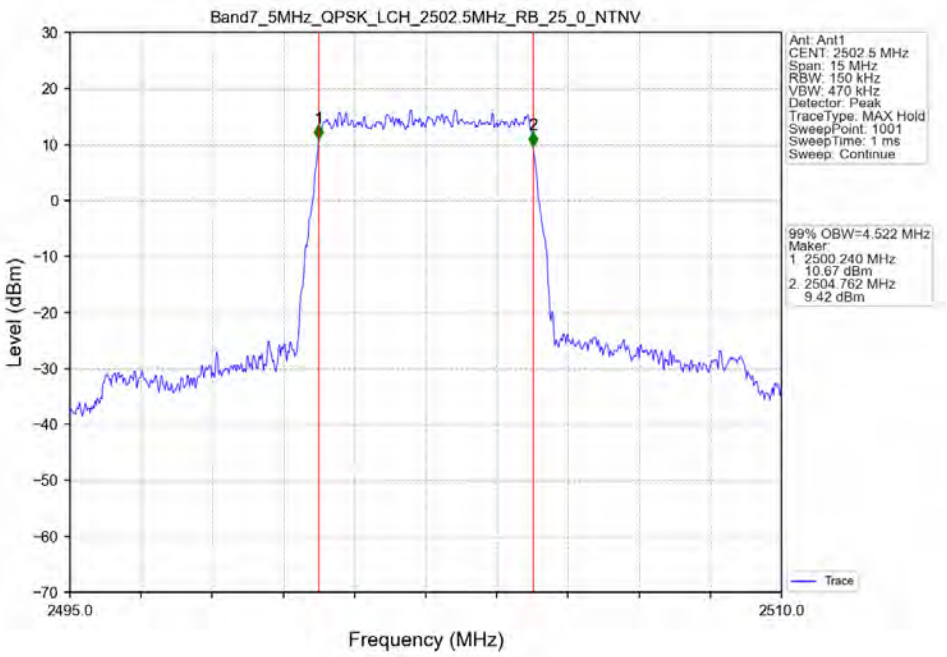
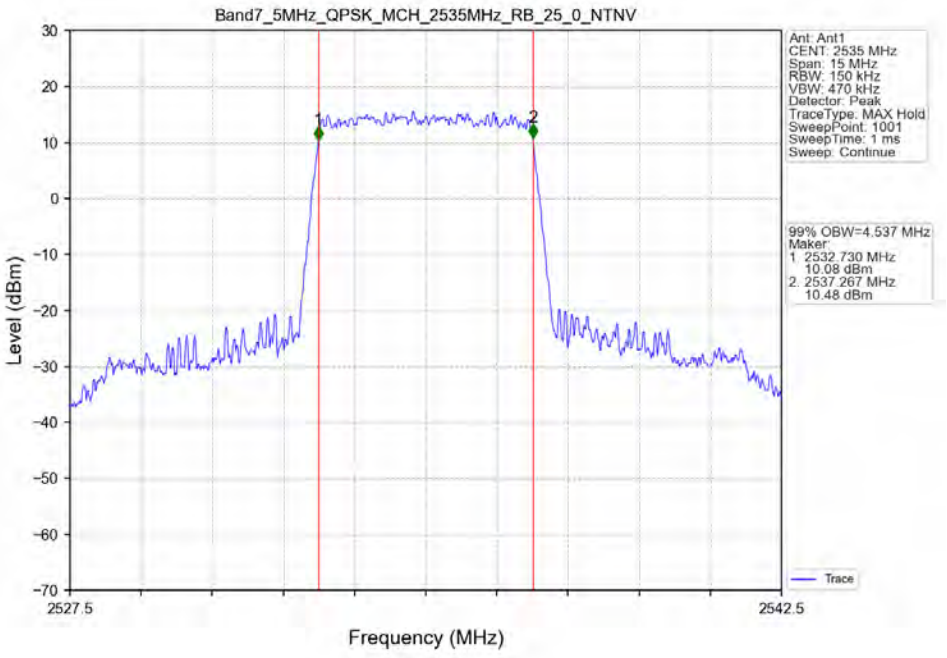
4.1.2 Band7_XDB

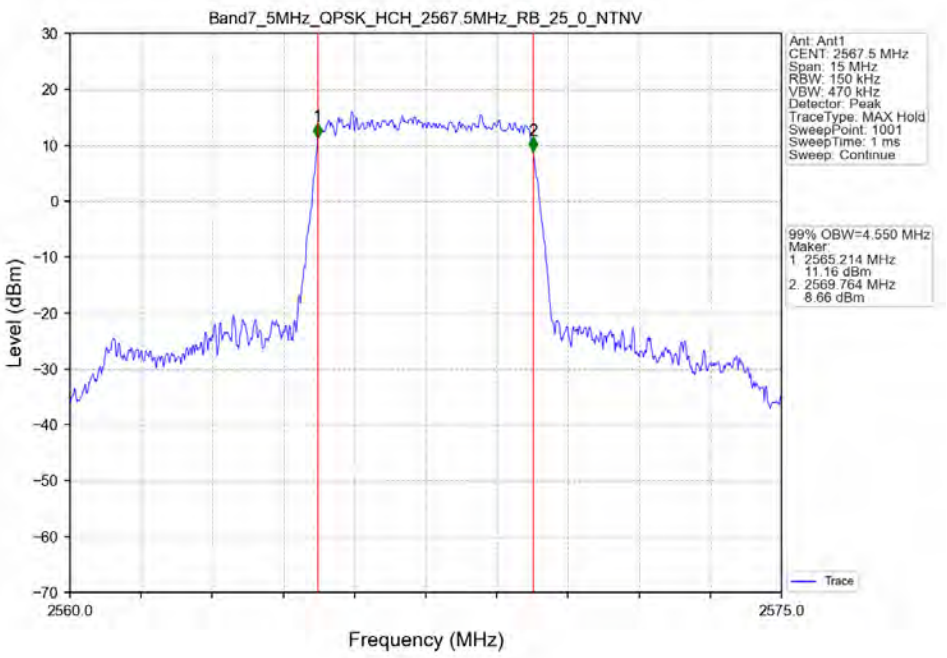
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.105	/	Pass
		2535	25	0	5.047	/	Pass
		2567.5	25	0	5.062	/	Pass
	16QAM	2502.5	25	0	5.091	/	Pass
		2535	25	0	5.048	/	Pass
		2567.5	25	0	5.050	/	Pass
10	QPSK	2505	50	0	10.021	/	Pass
		2535	50	0	10.085	/	Pass
		2565	50	0	10.016	/	Pass
	16QAM	2505	50	0	9.938	/	Pass
		2535	50	0	10.029	/	Pass
		2565	50	0	10.006	/	Pass
15	QPSK	2507.5	75	0	14.945	/	Pass
		2535	75	0	14.974	/	Pass
		2562.5	75	0	14.814	/	Pass
	16QAM	2507.5	75	0	14.853	/	Pass
		2535	75	0	15.022	/	Pass
		2562.5	75	0	14.942	/	Pass

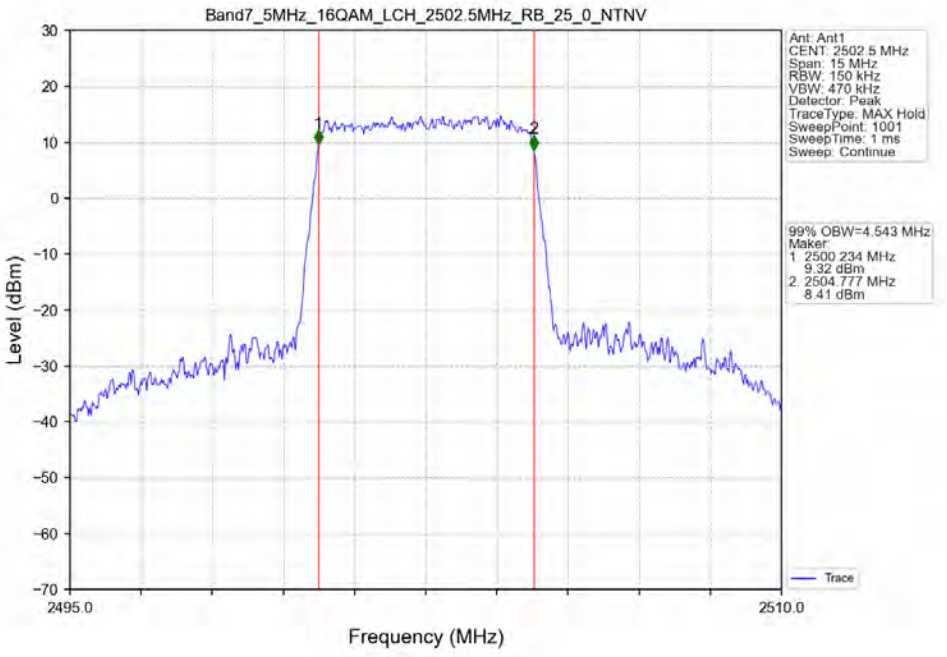
20	QPSK	2510	100	0	19.761	/	Pass
		2535	100	0	19.607	/	Pass
		2560	100	0	19.621	/	Pass
	16QAM	2510	100	0	19.726	/	Pass
		2535	100	0	19.637	/	Pass
		2560	100	0	19.742	/	Pass

4.2 Test Graph

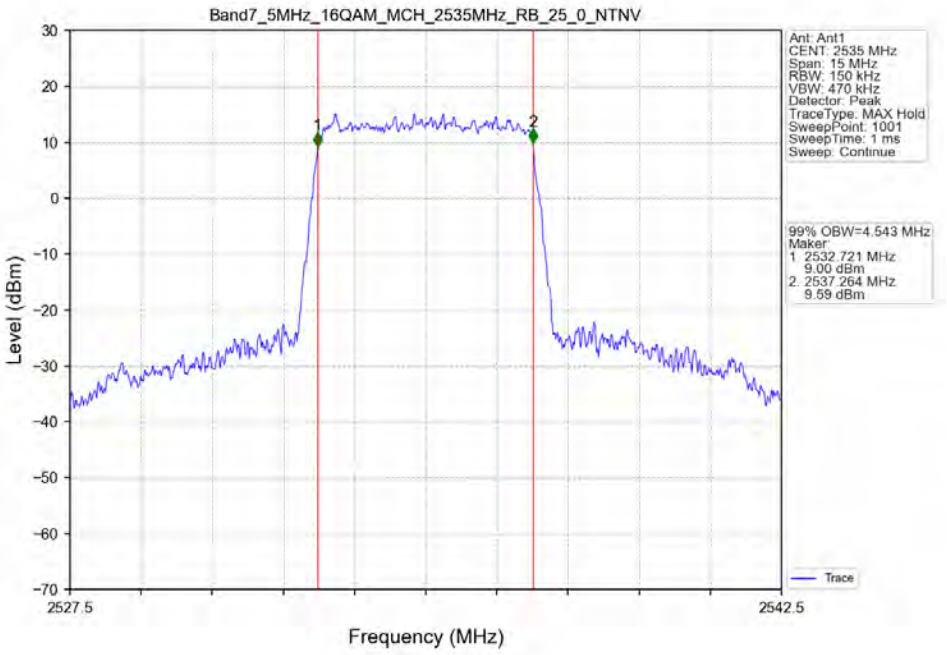
4.2.1 Band7_OBW

Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV

Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV


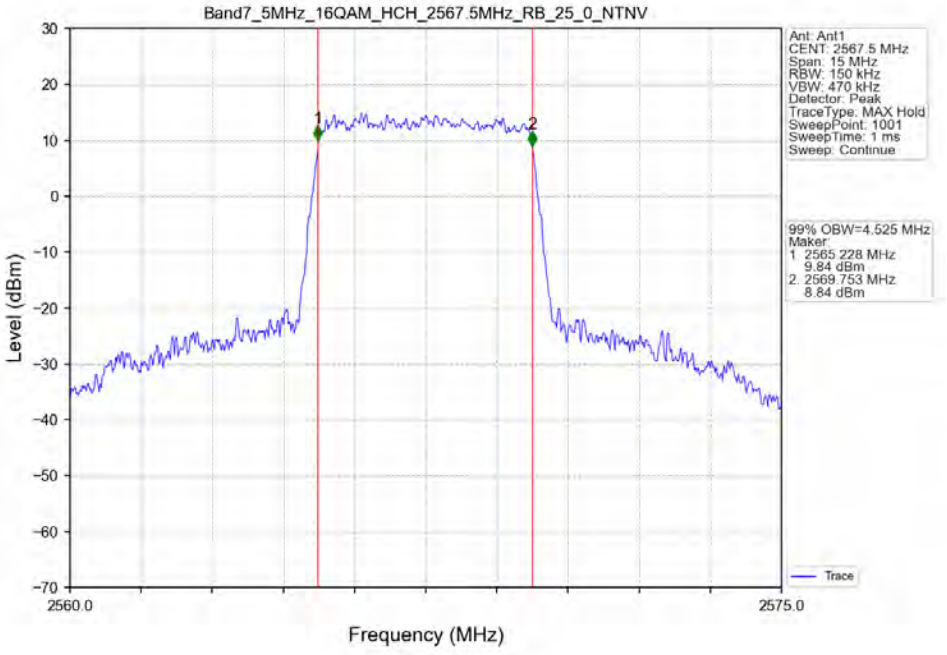
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV


Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV


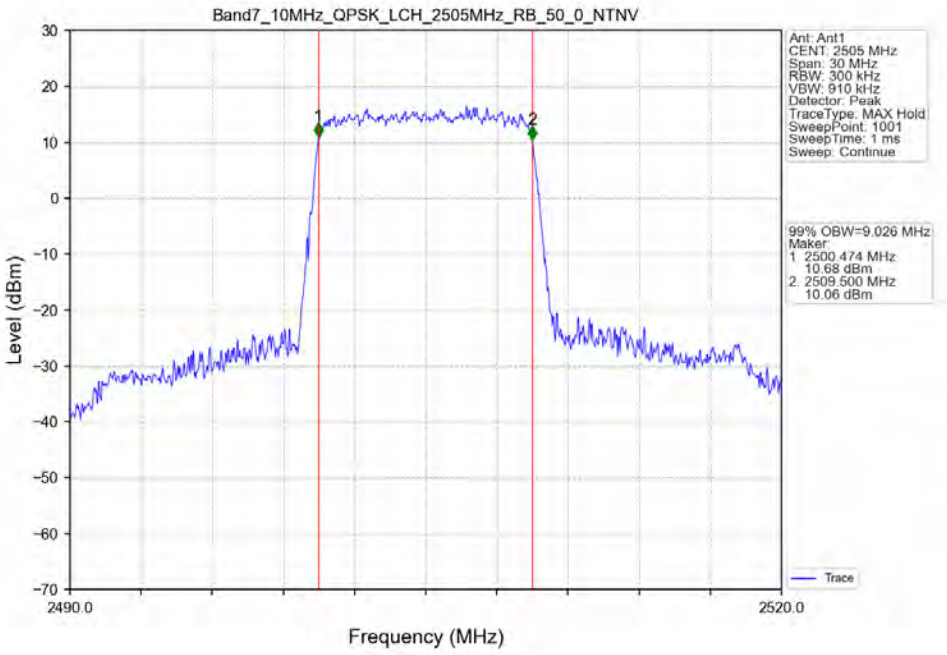
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



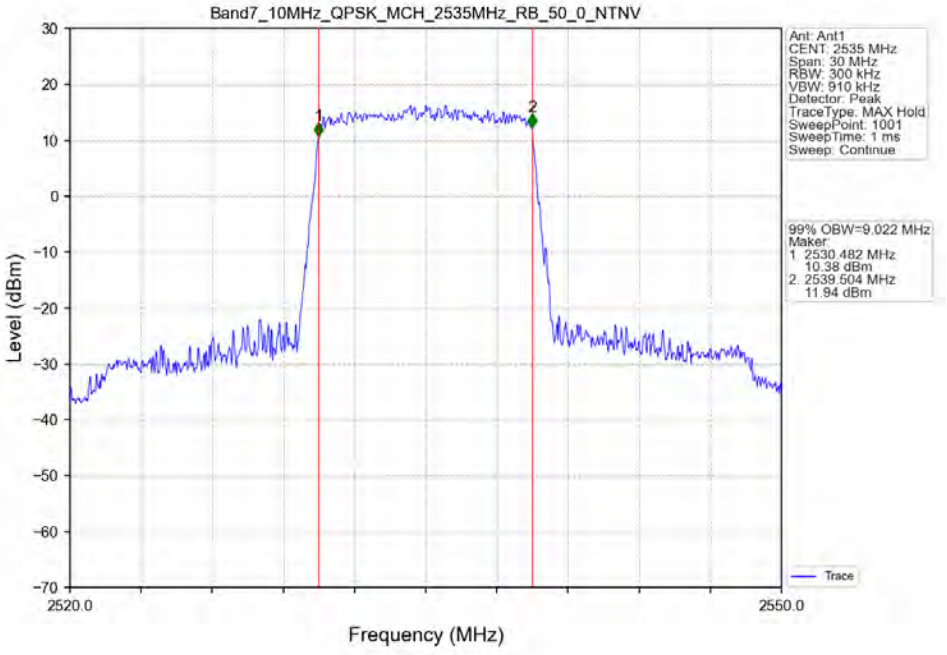
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



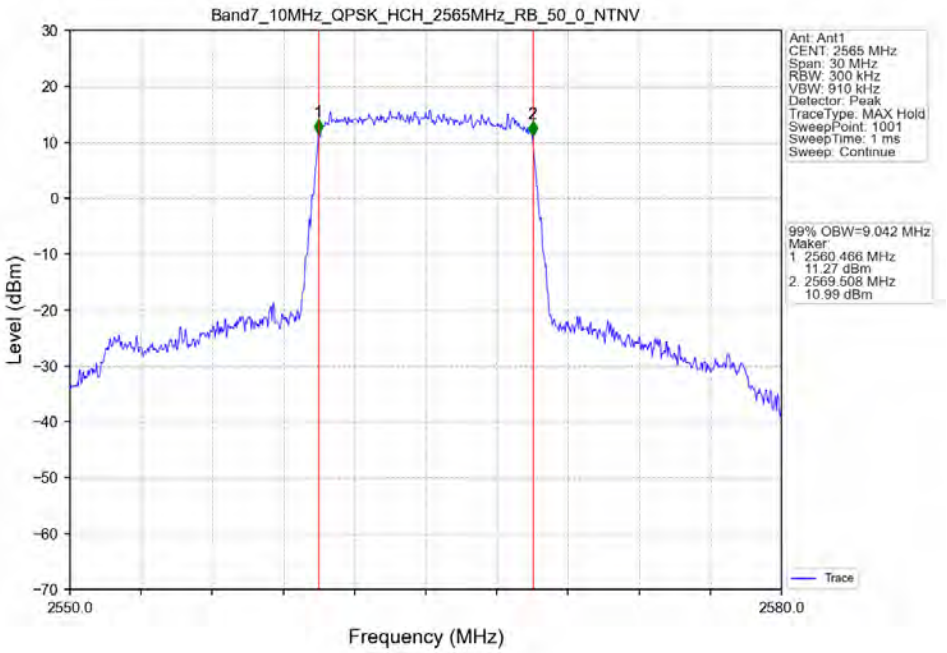
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



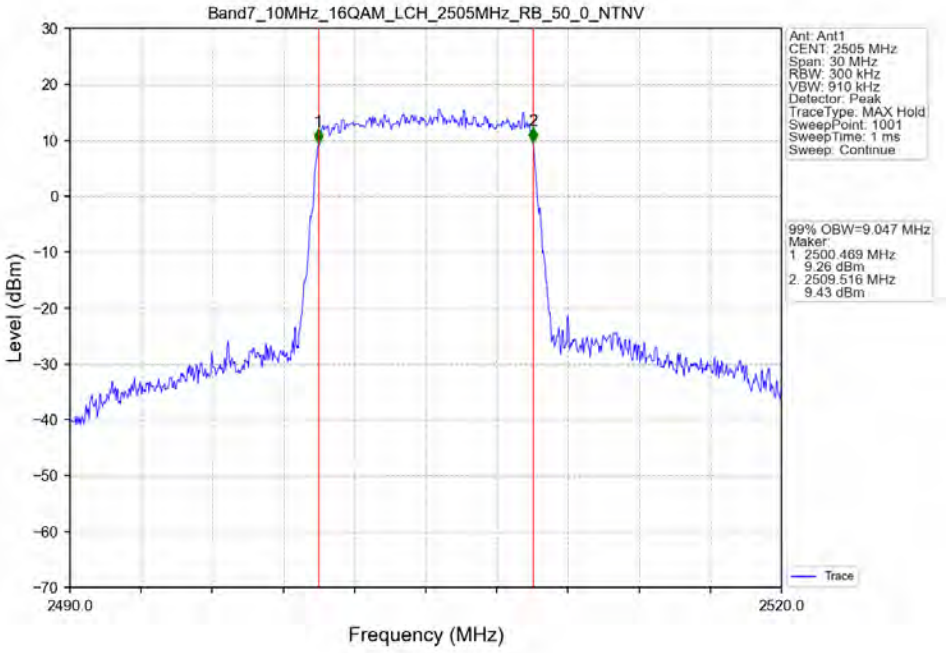
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



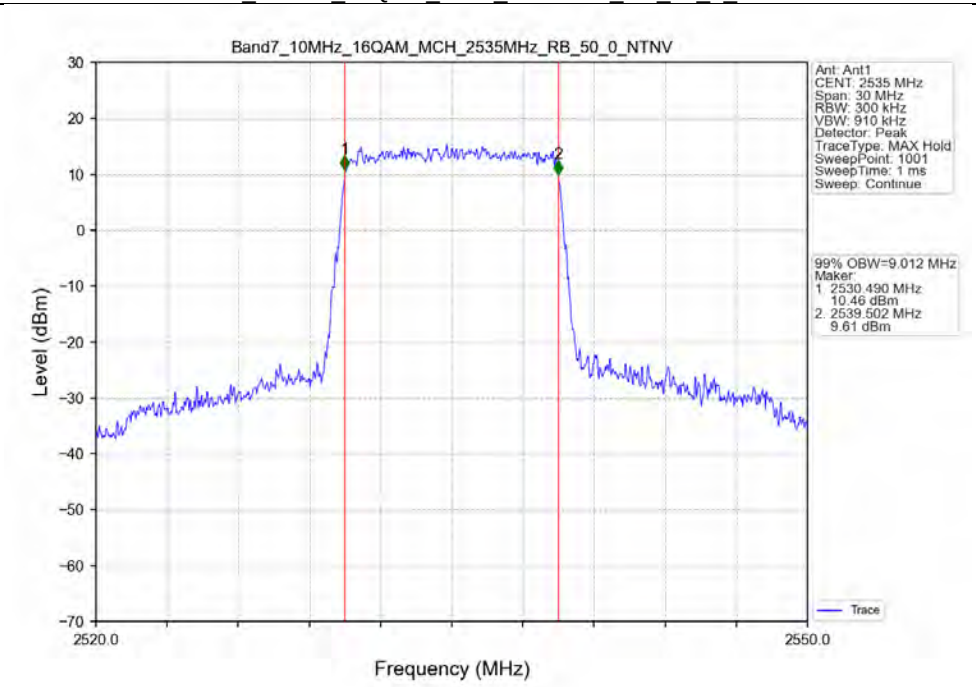
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



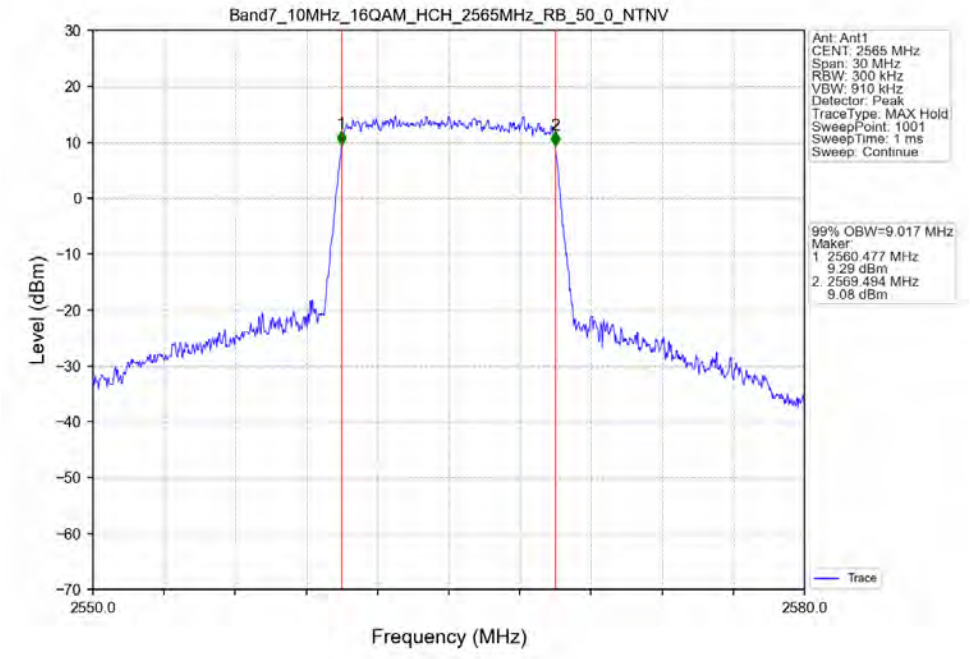
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



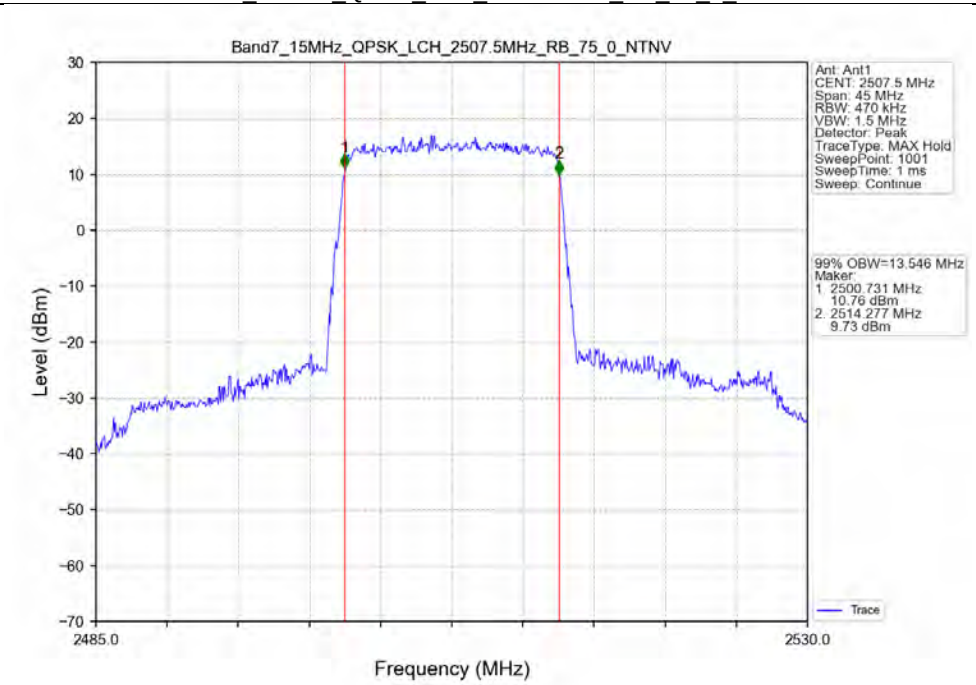
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



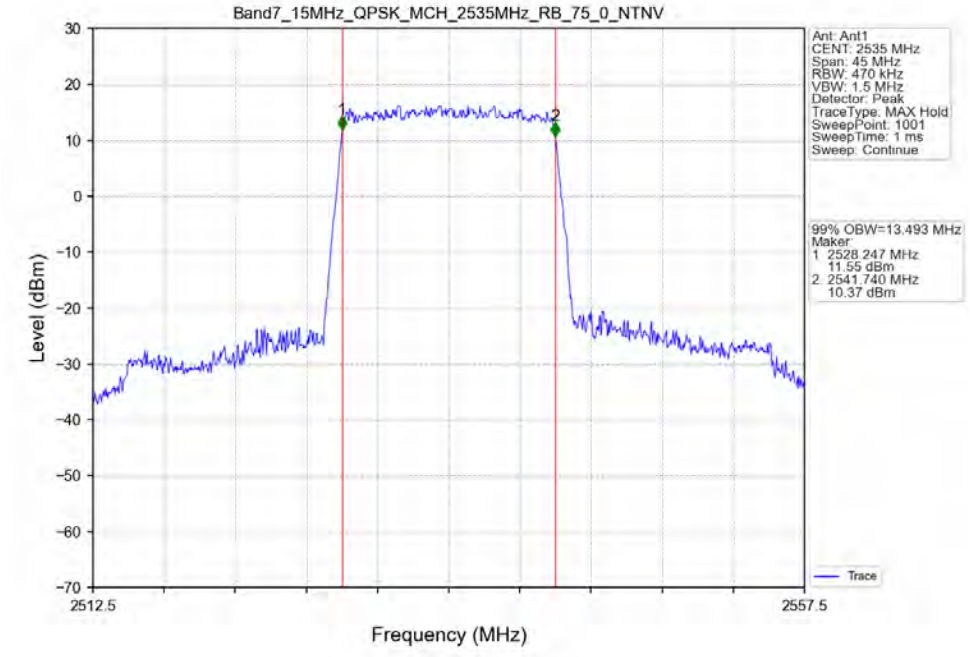
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



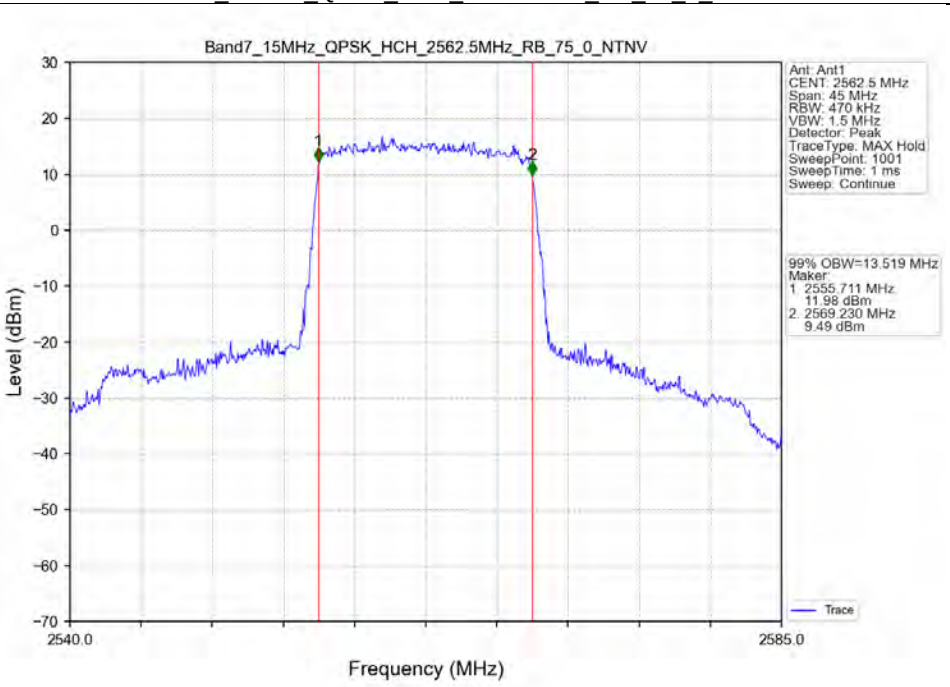
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



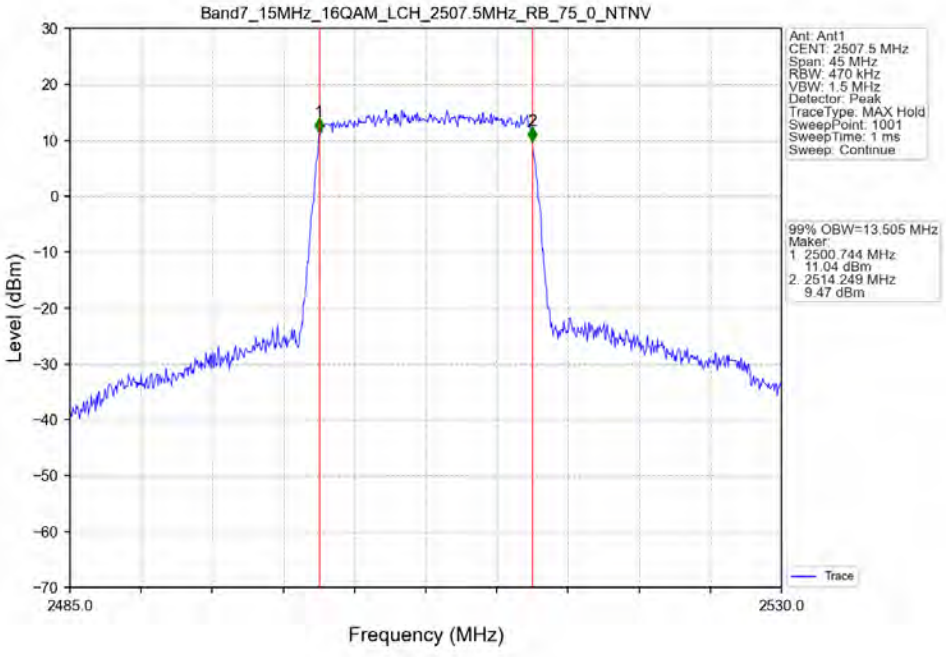
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



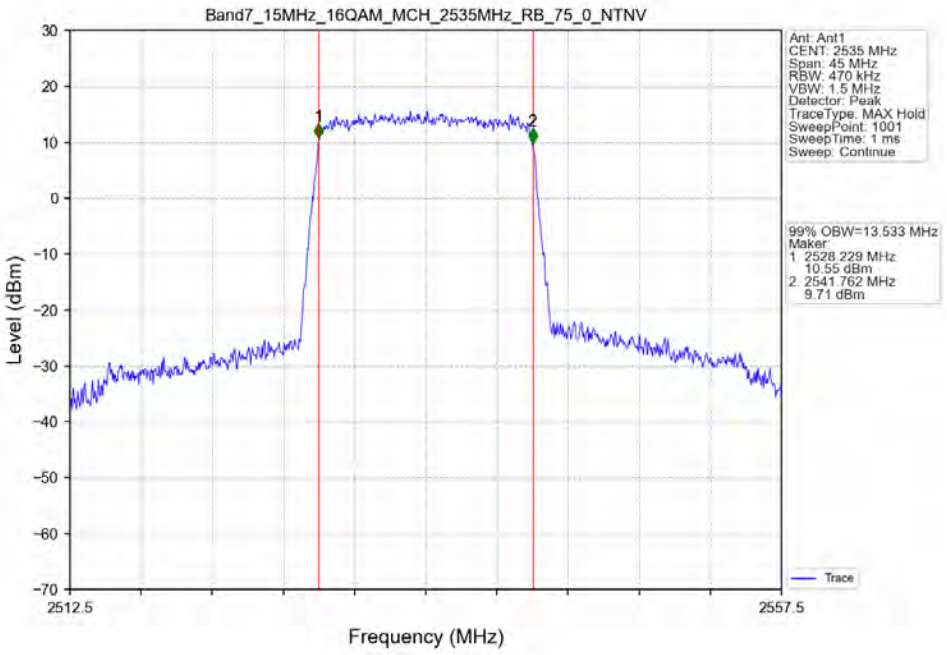
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



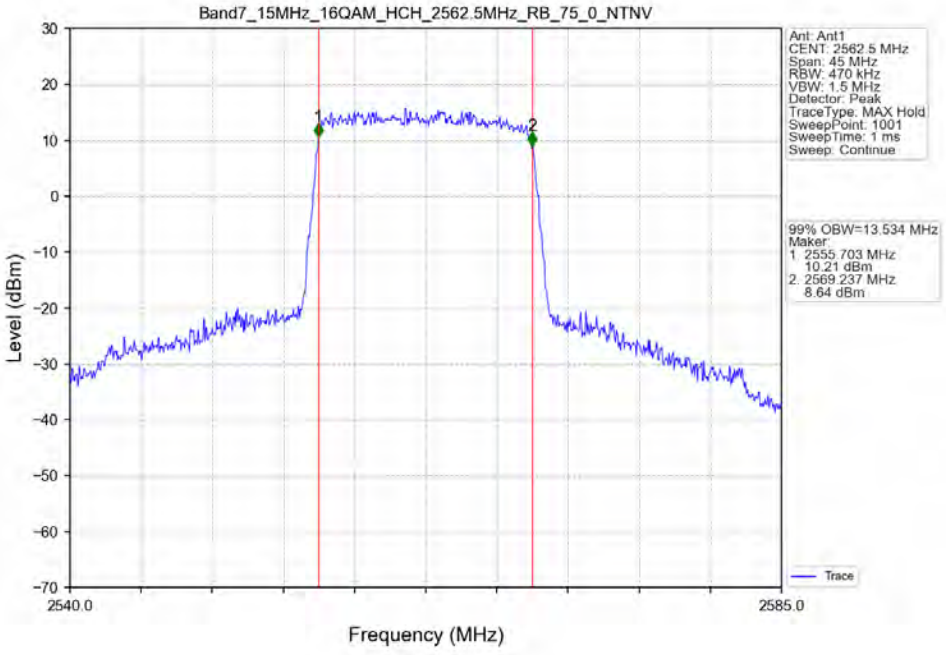
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



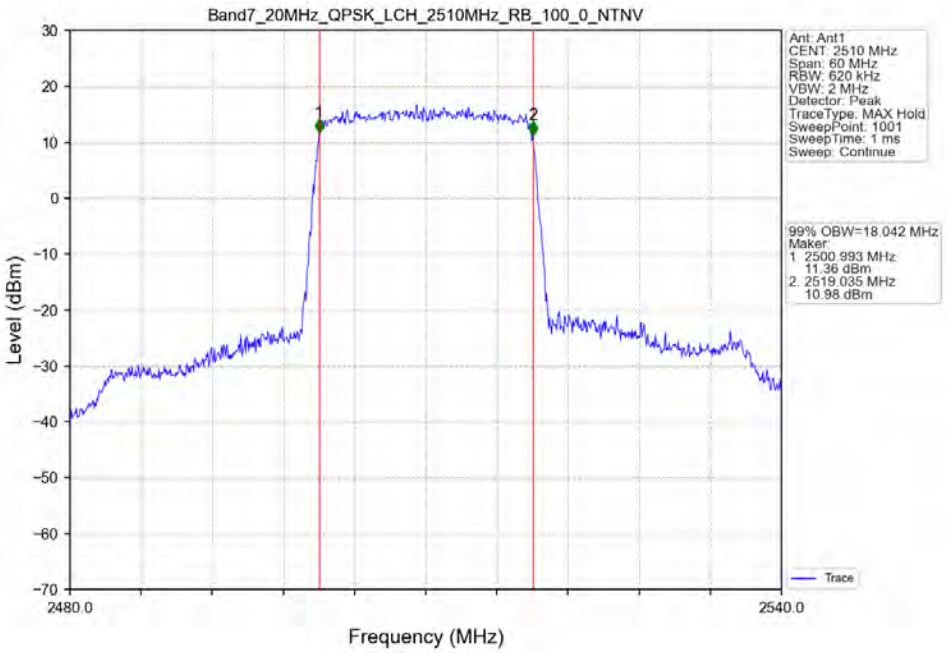
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



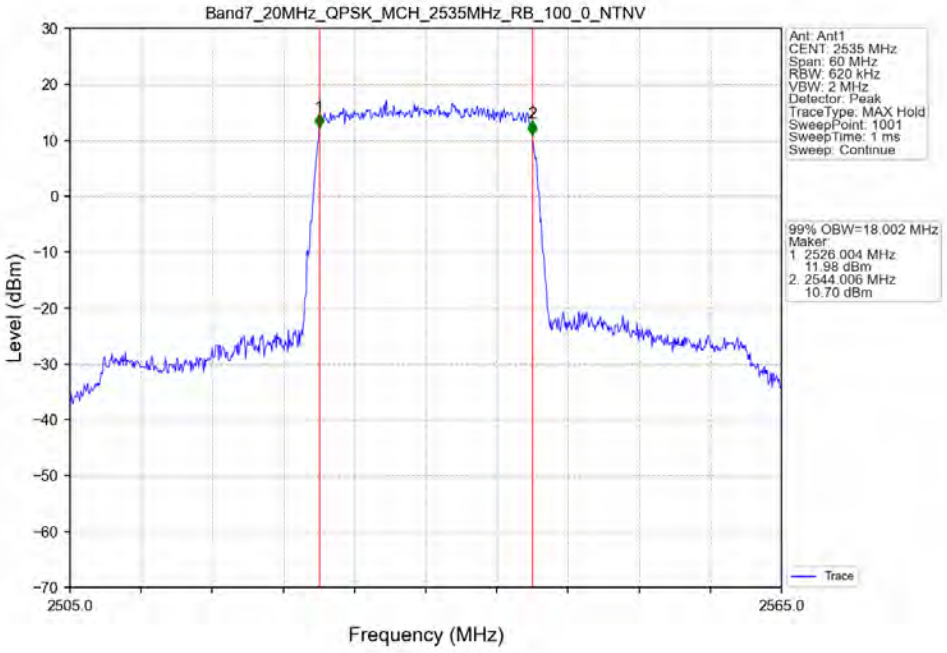
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



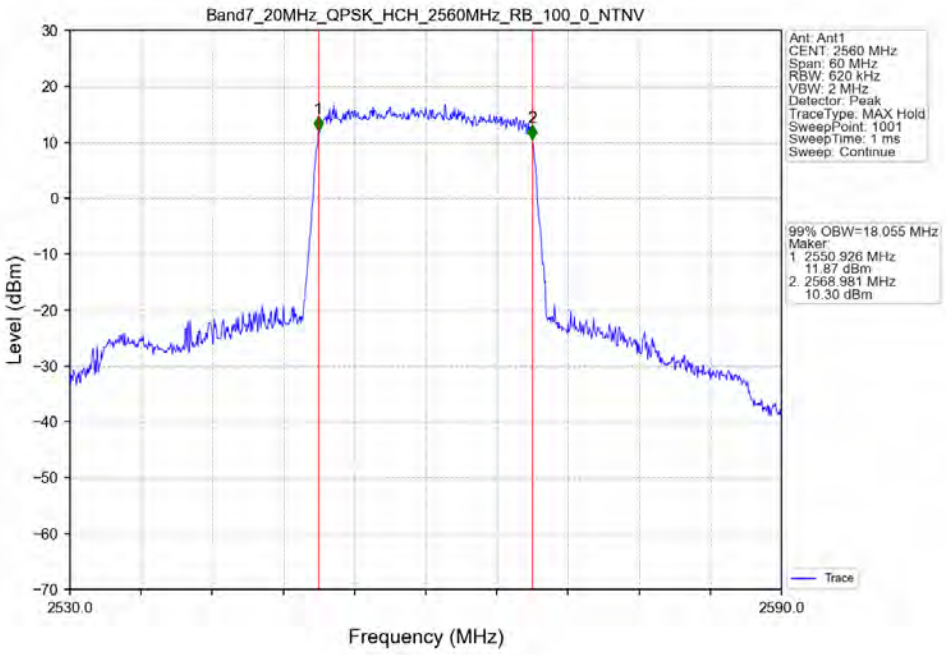
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



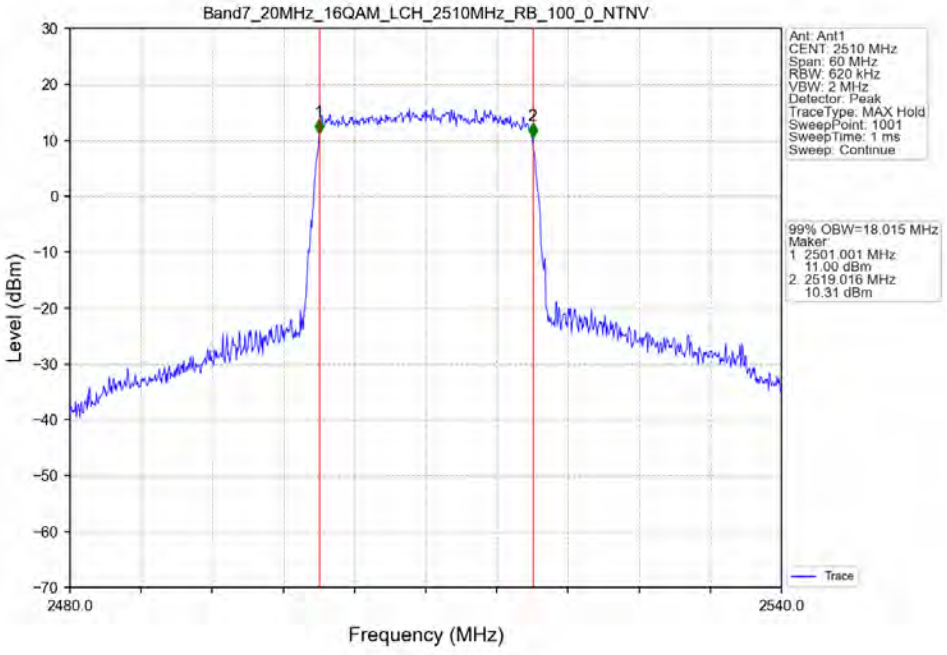
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV

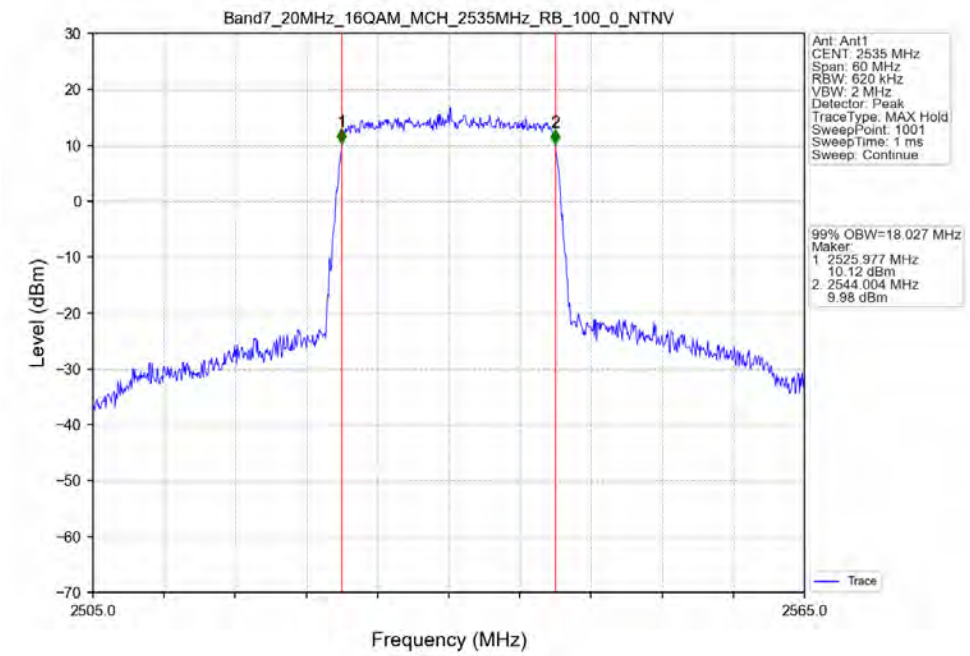


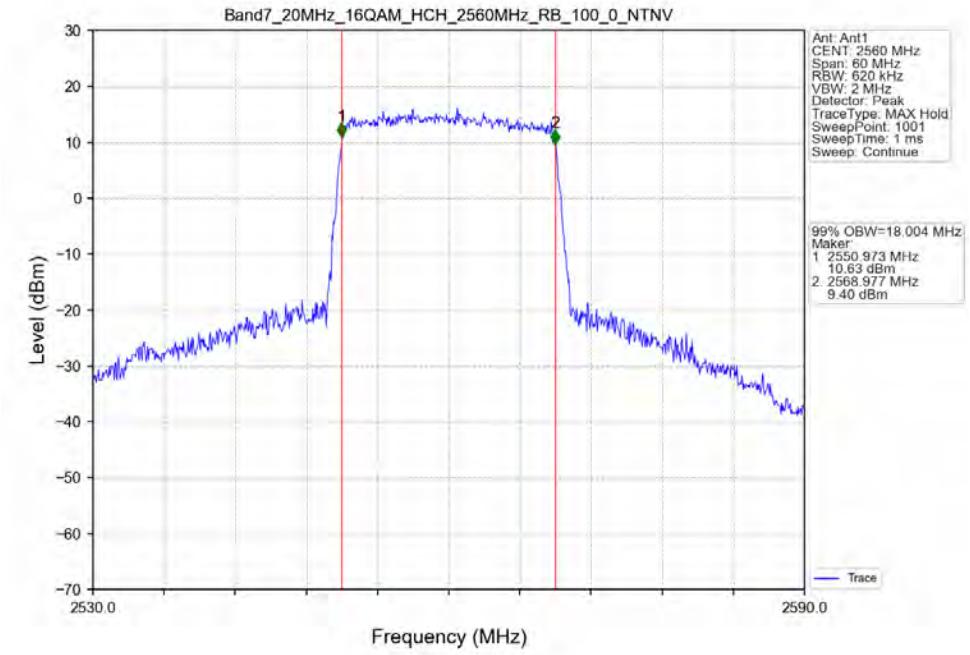
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



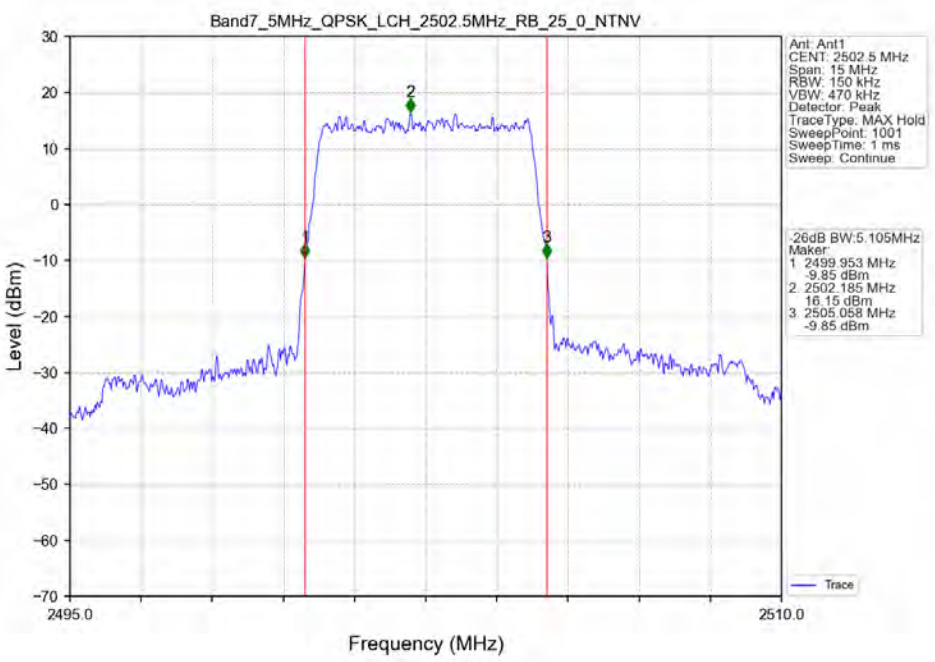
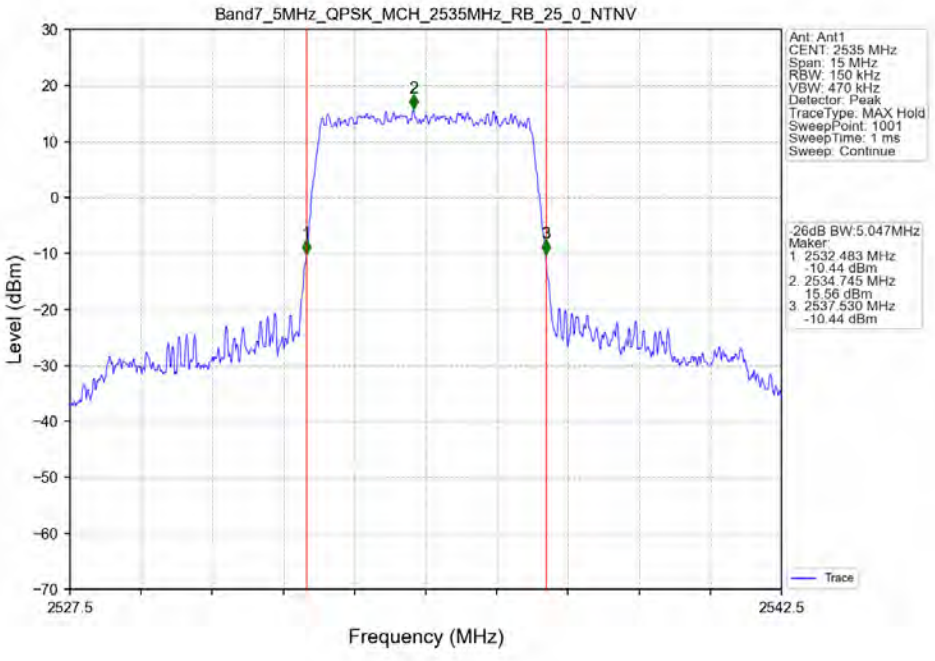
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



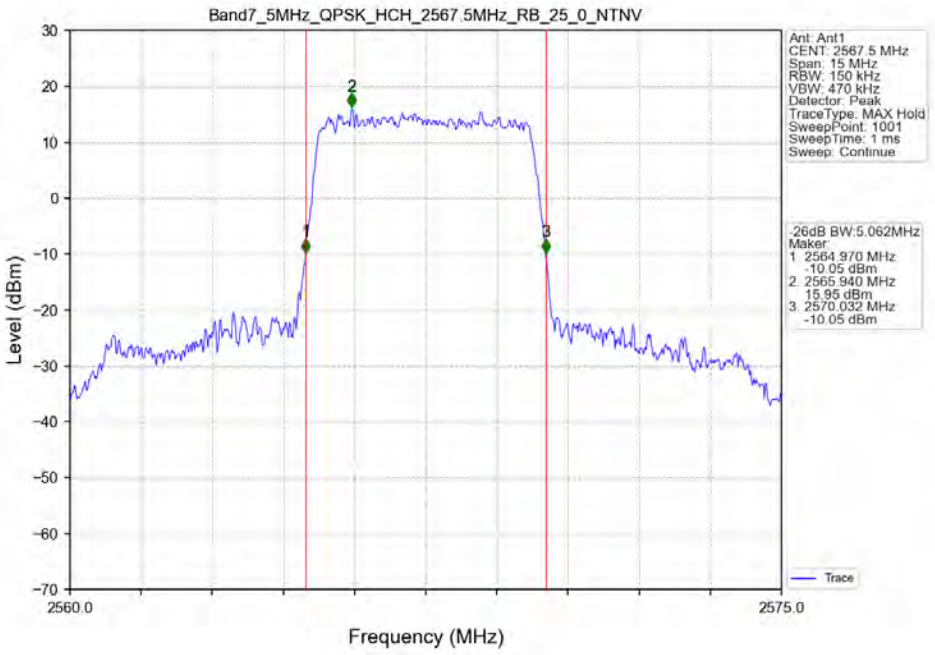
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV


Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV


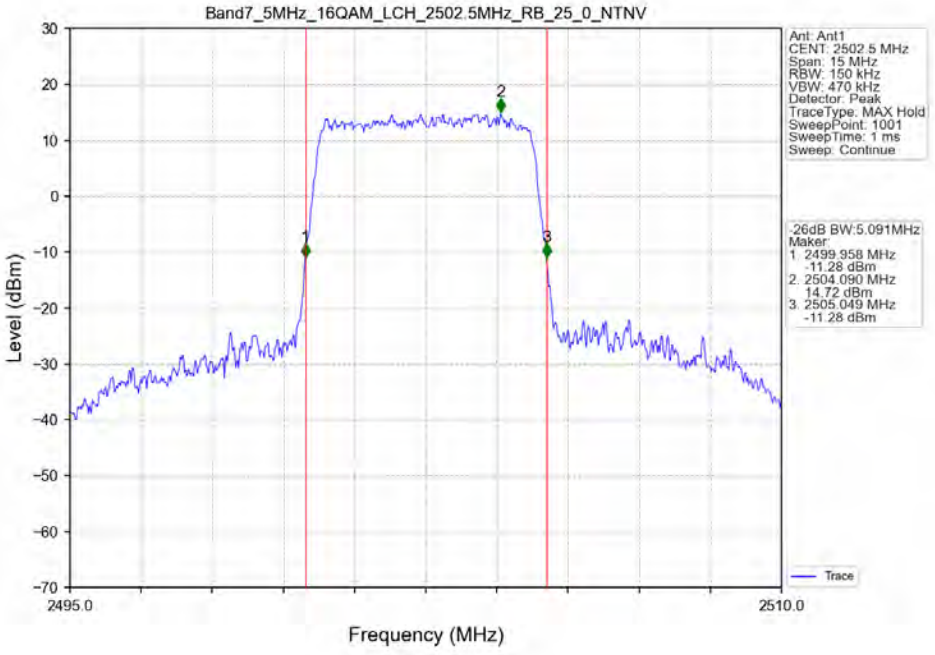
3.2.2 Band7_XDB

Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV

Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV


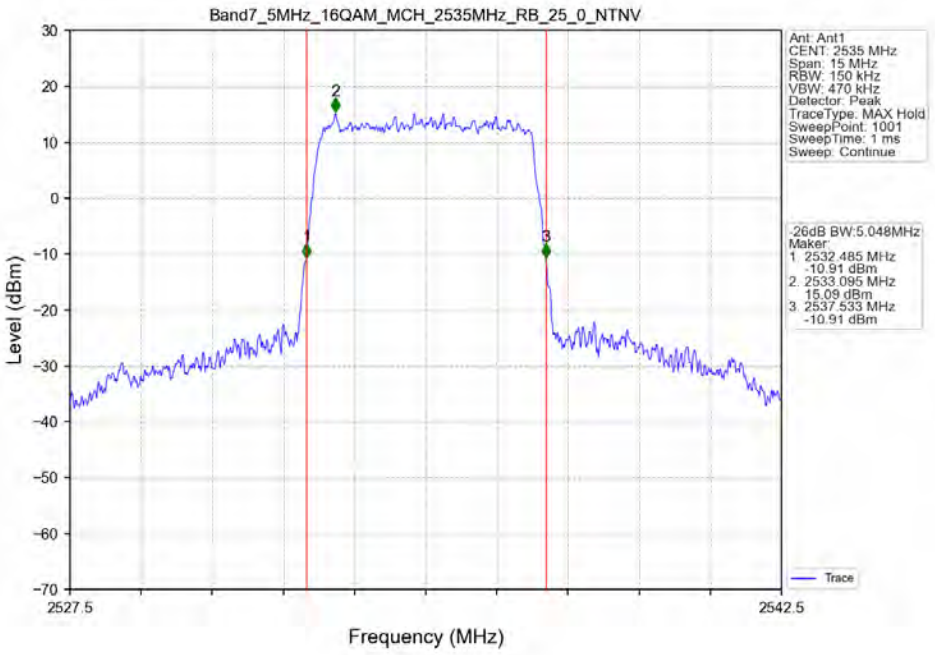
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



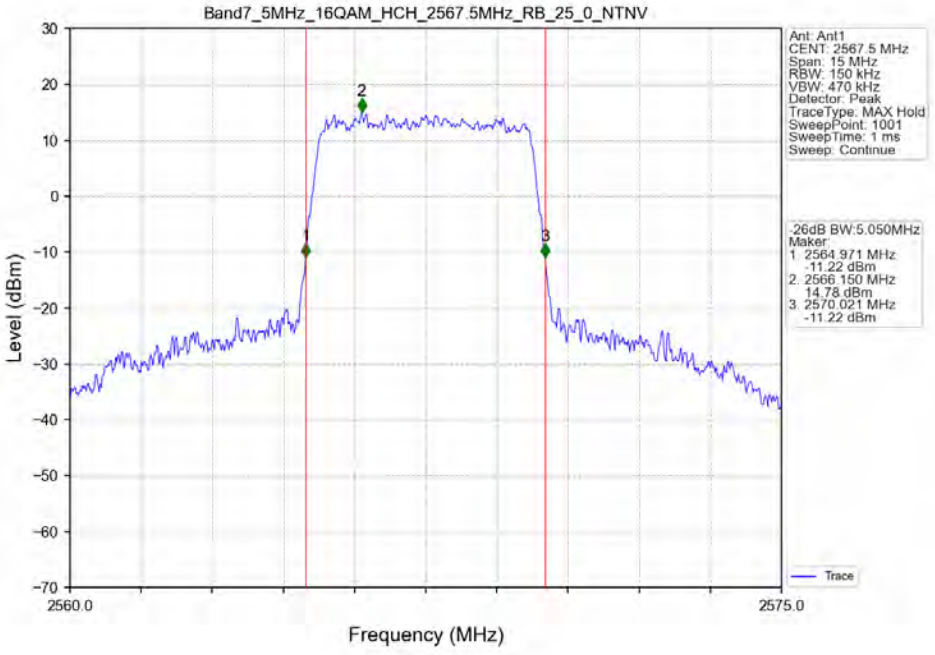
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



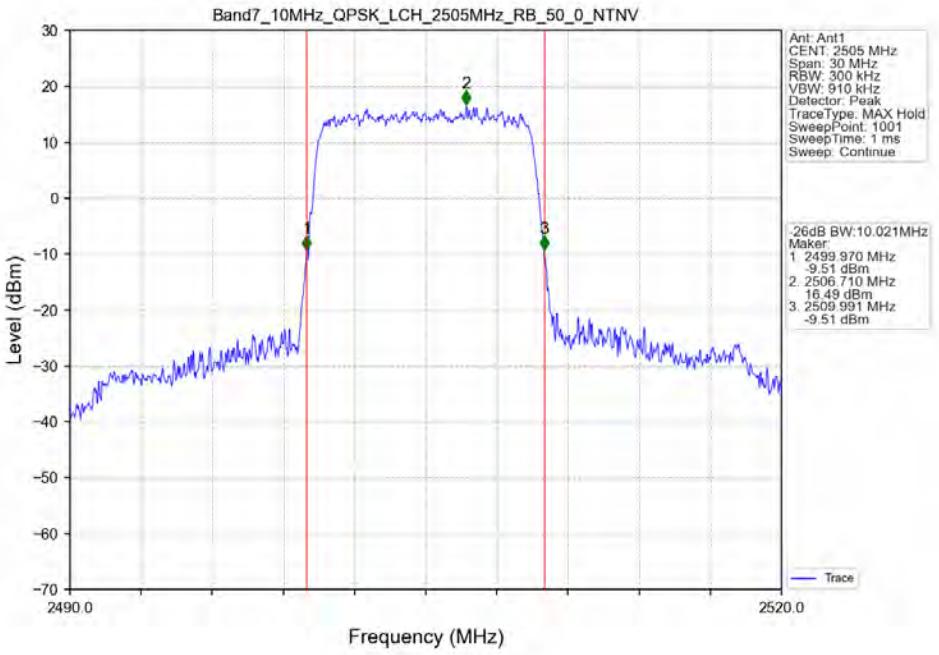
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



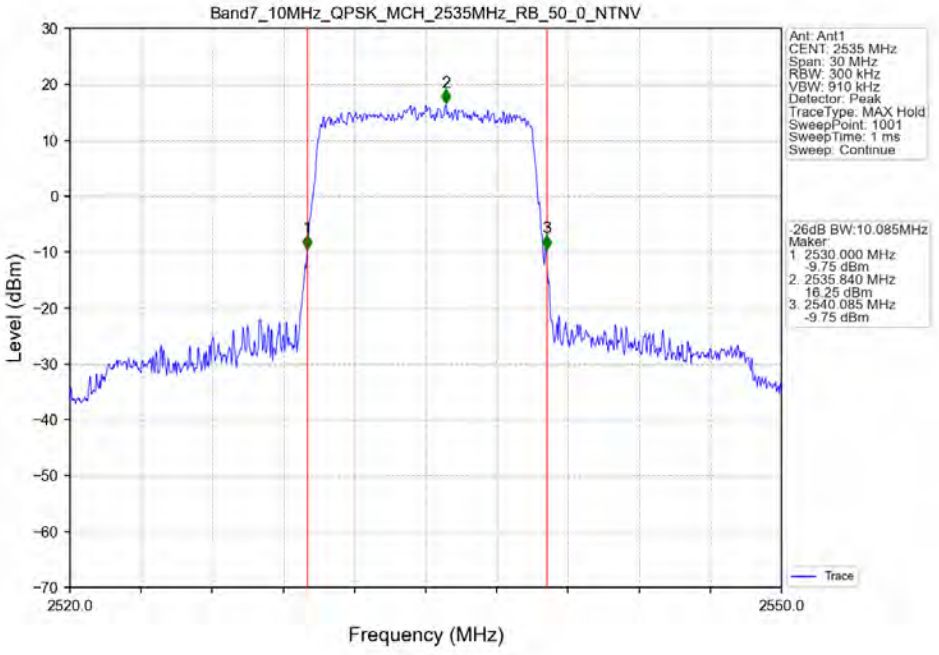
Band7_5MHz_16QAM_HCH_2567.5MHz_RB_25_0_NTNV



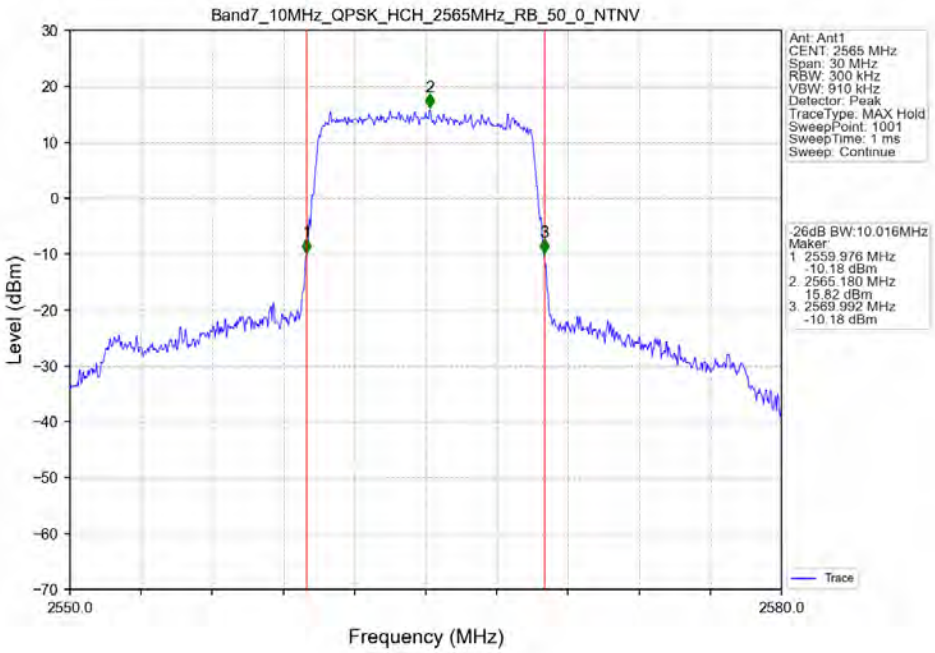
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



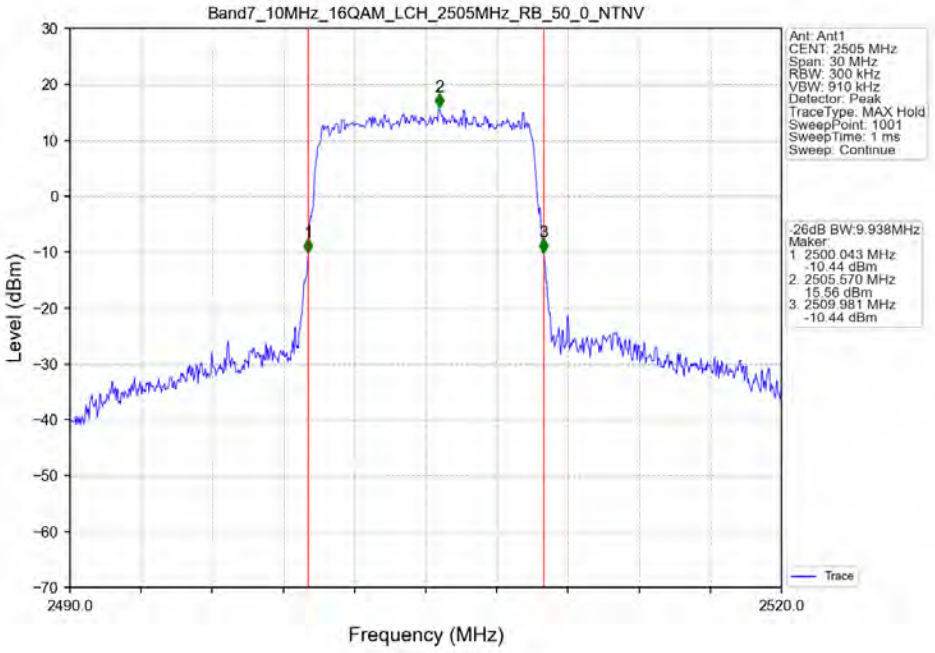
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



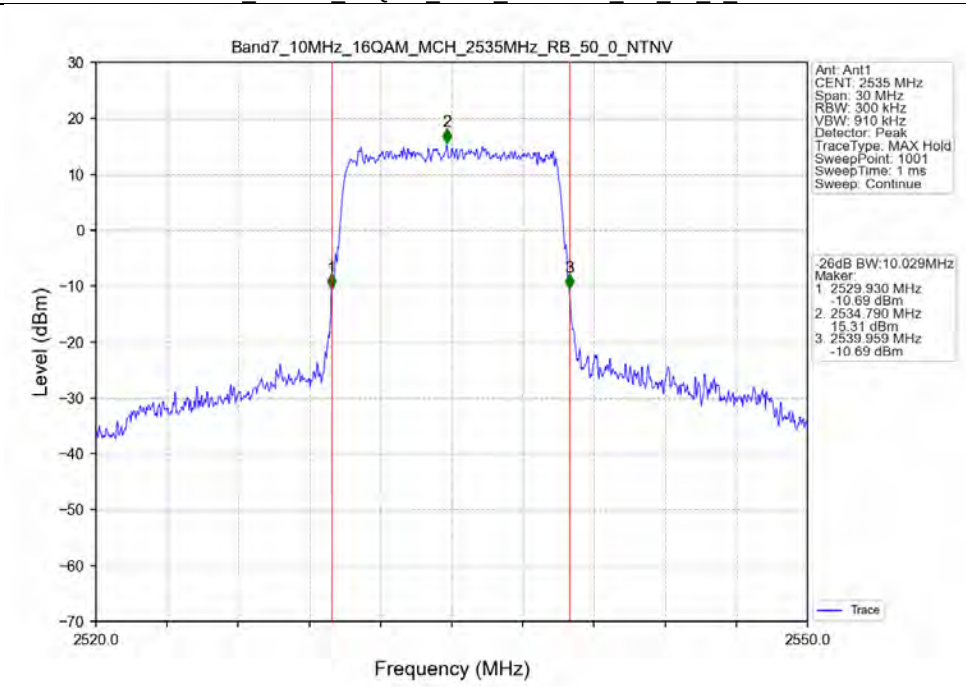
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



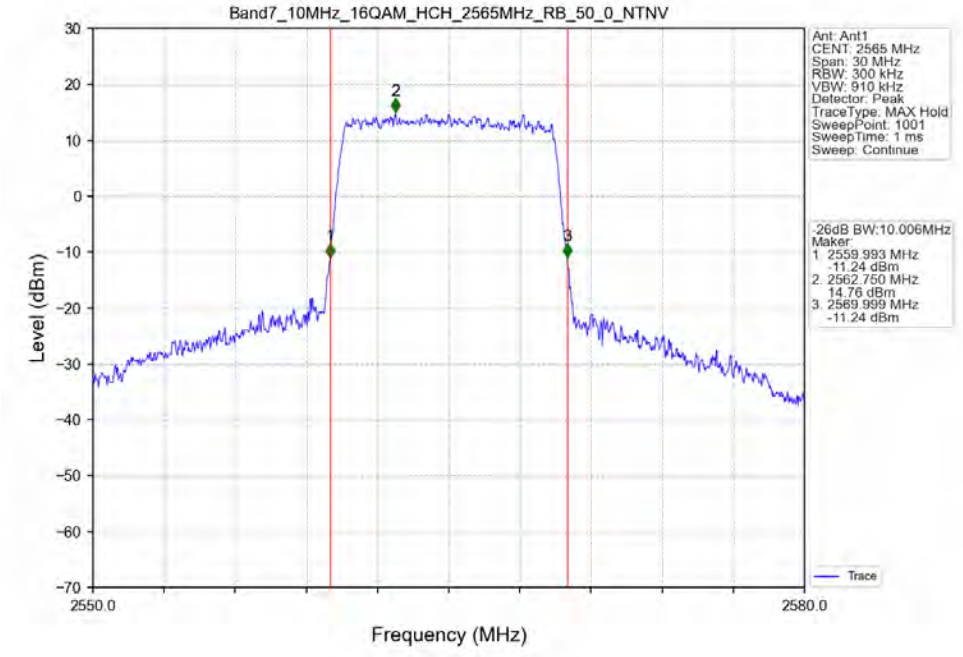
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



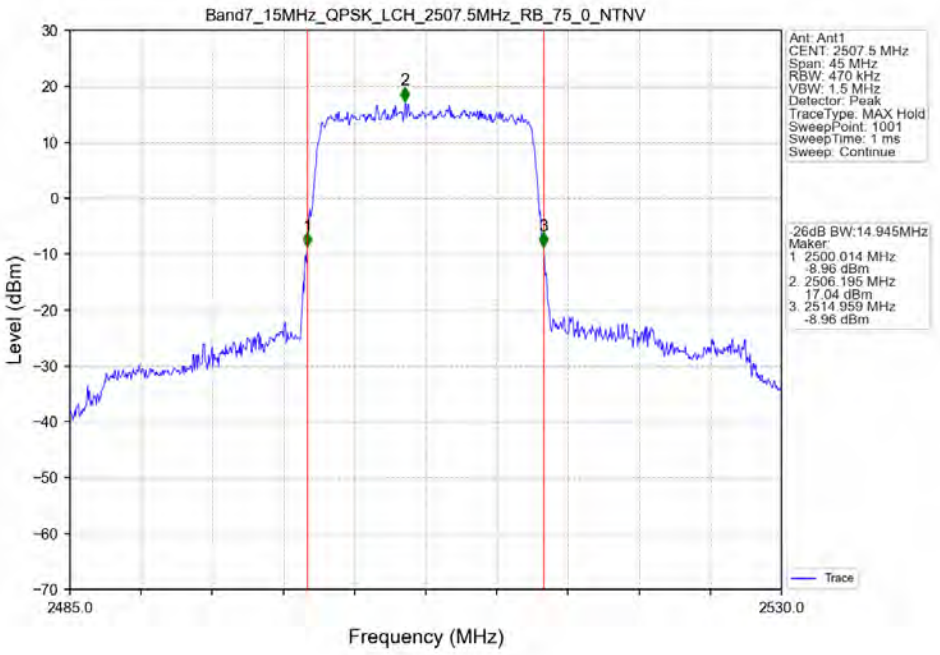
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



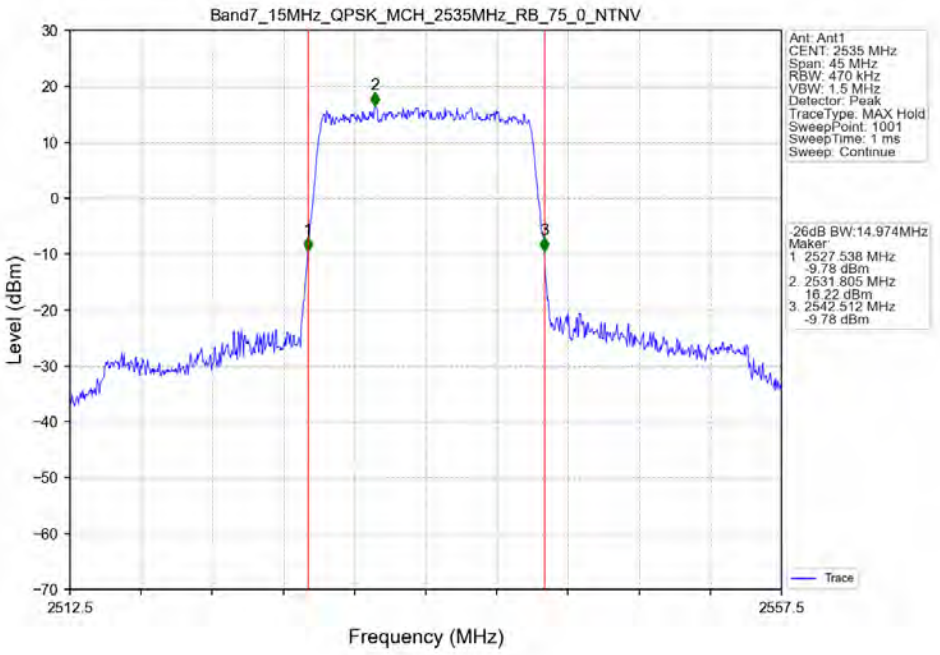
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV

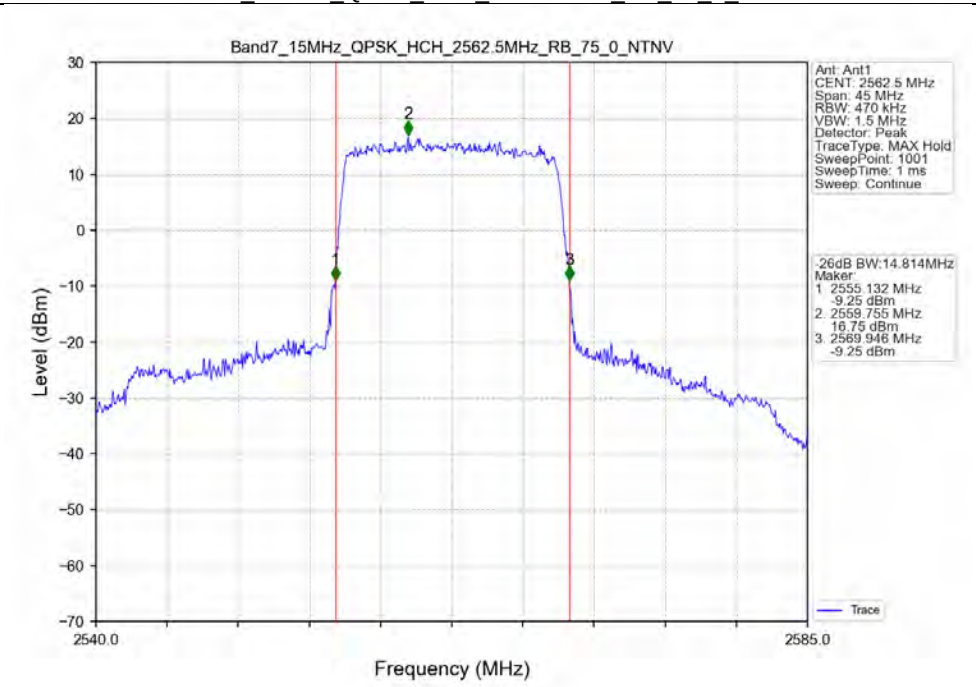


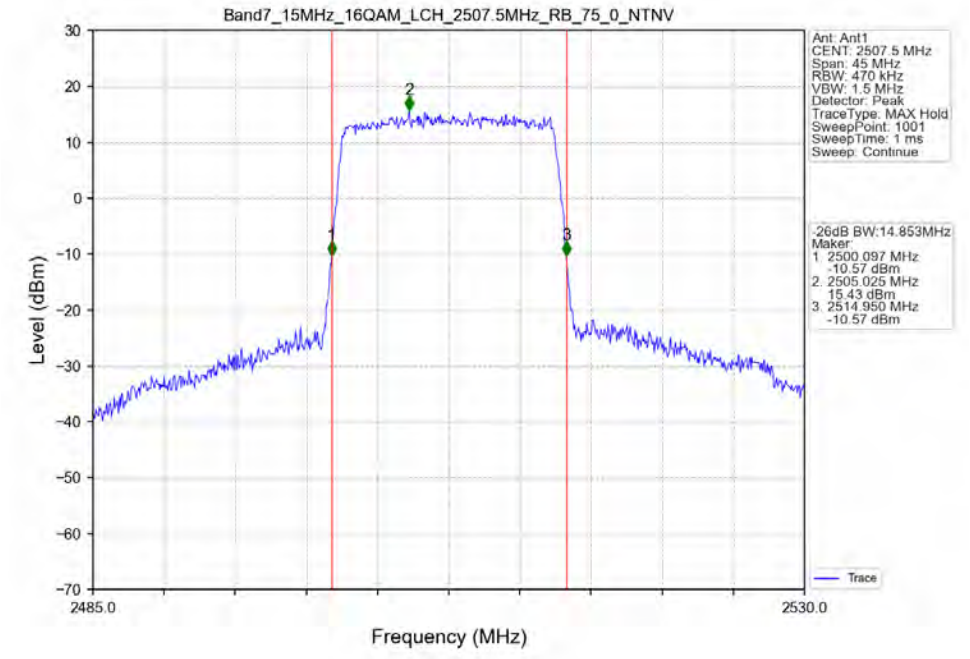
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



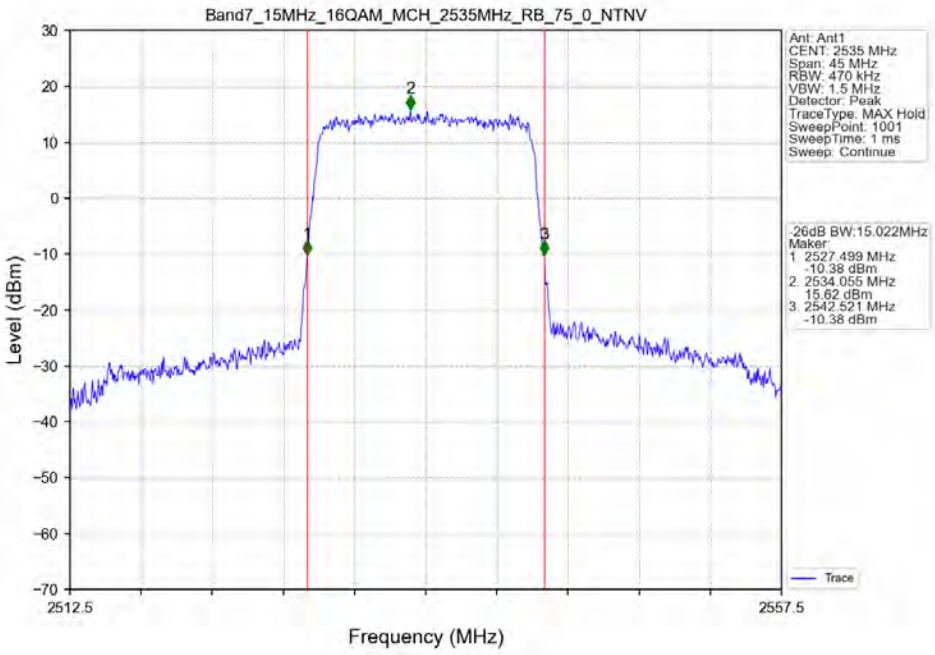
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



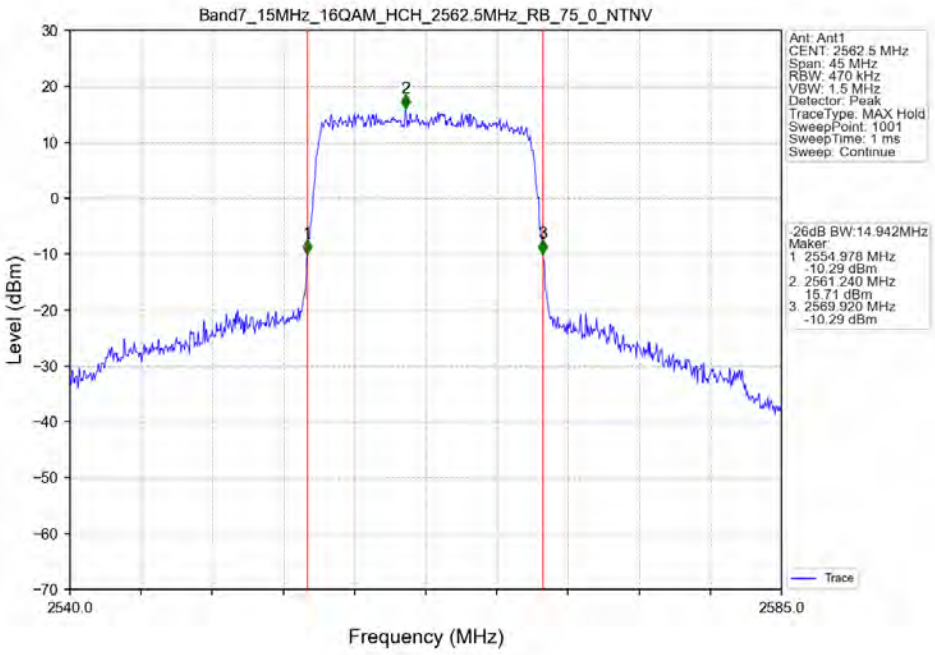
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV


Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV


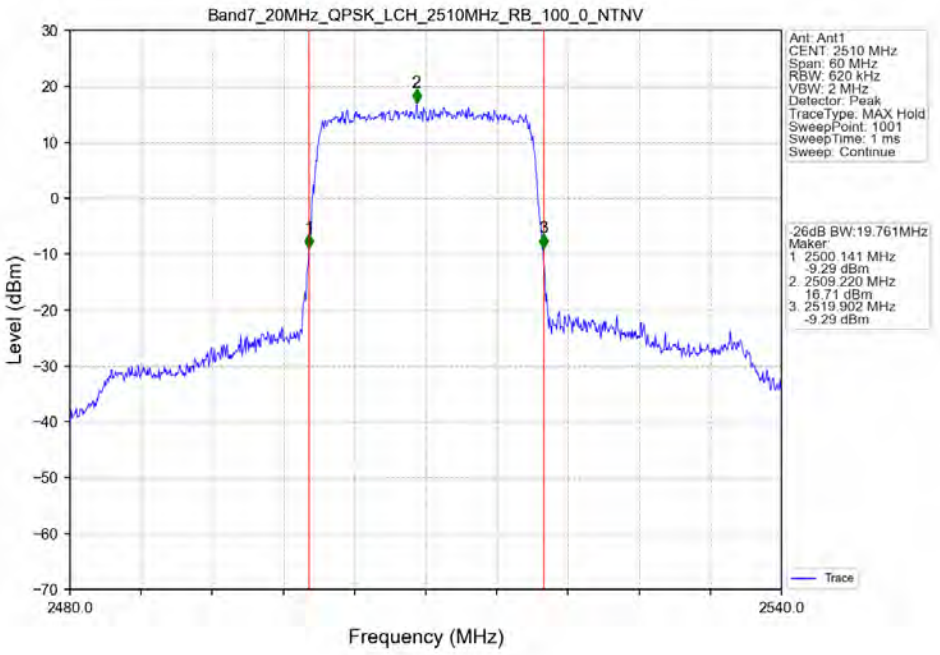
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



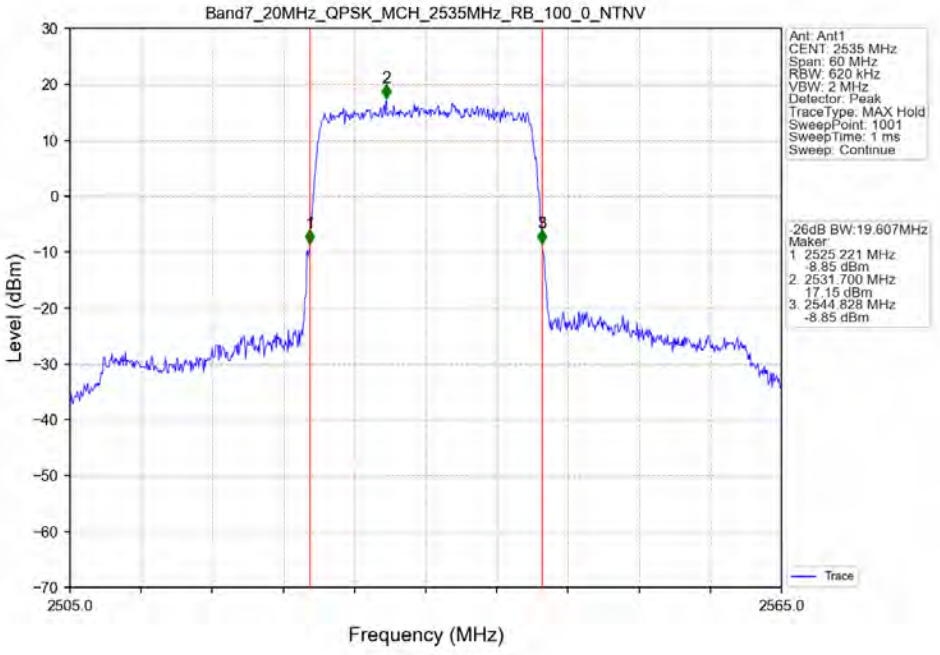
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



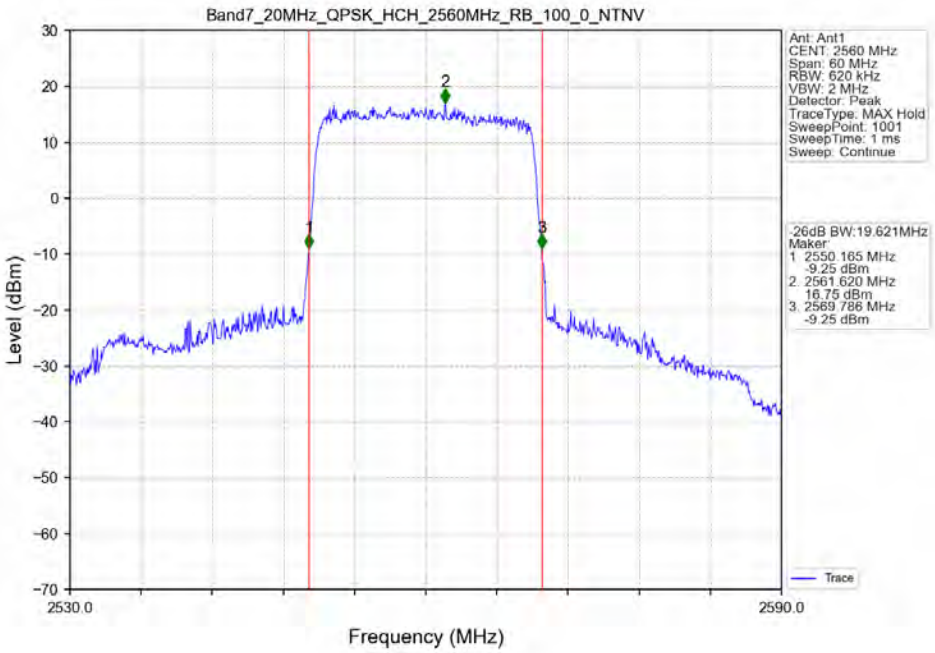
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



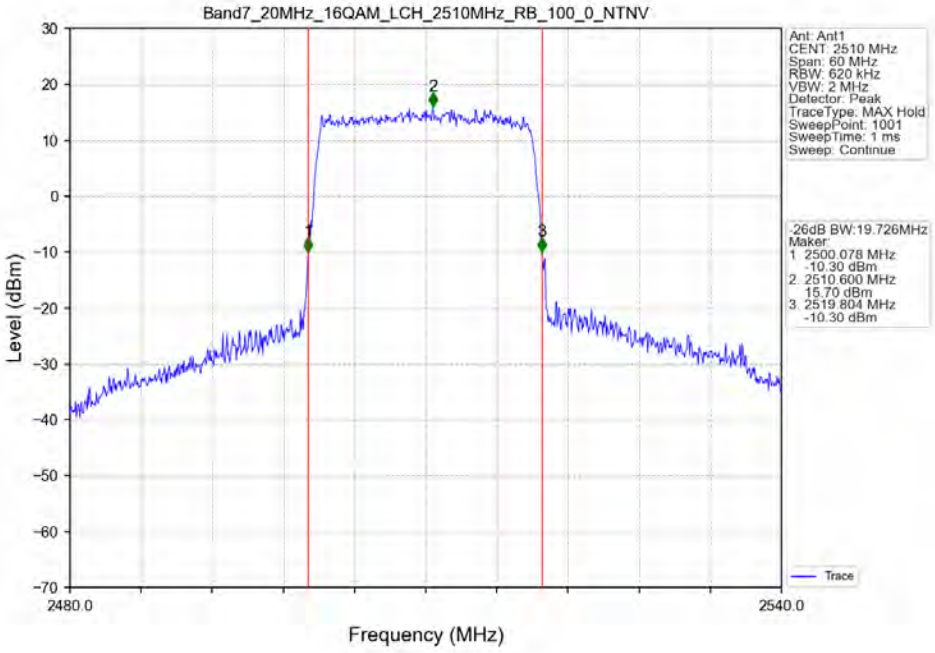
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



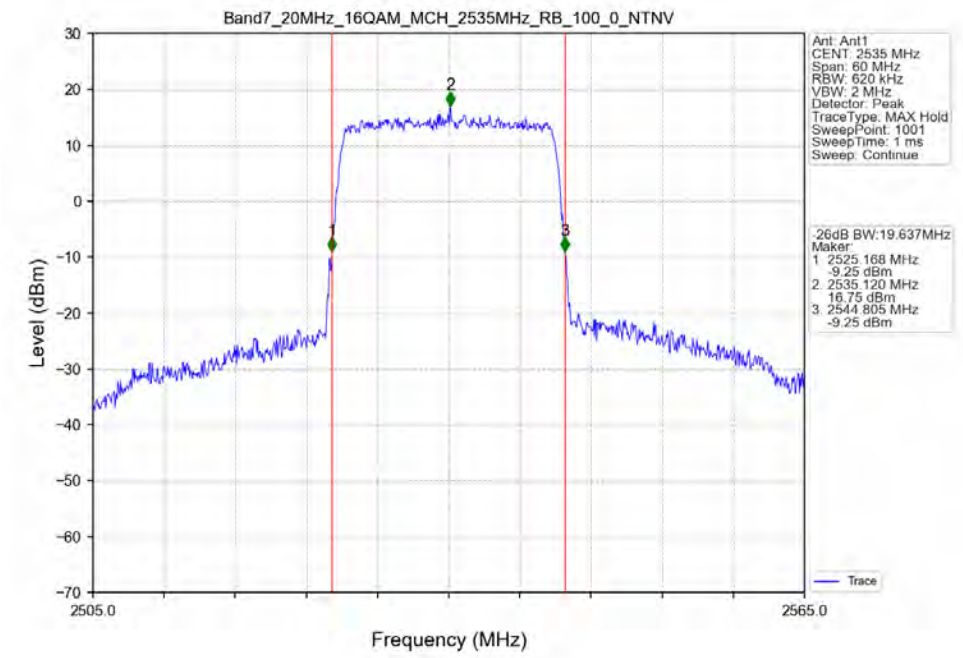
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



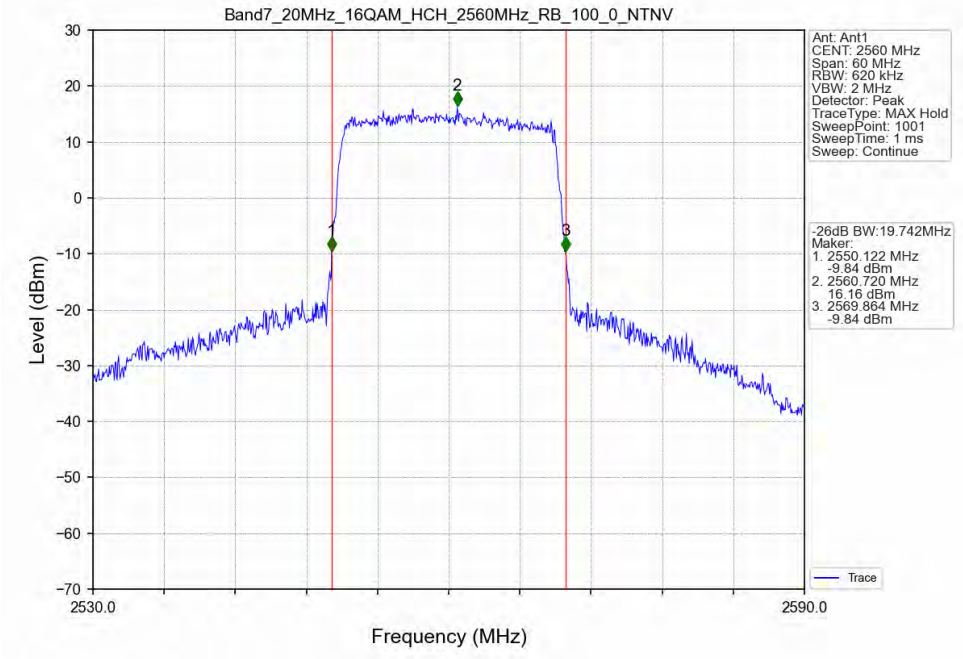
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV



5. Peak-Average Ratio

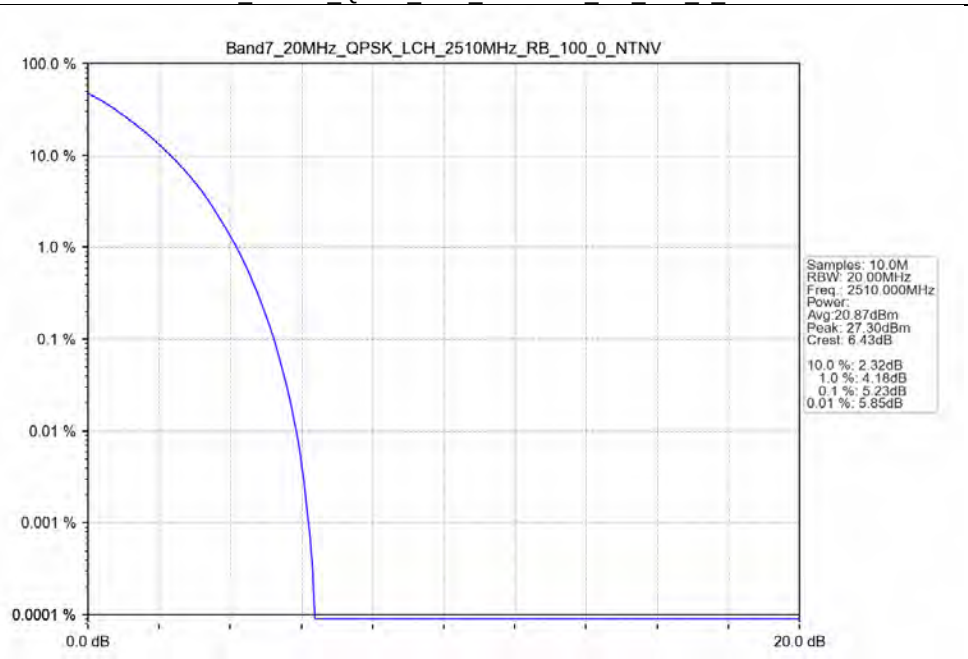
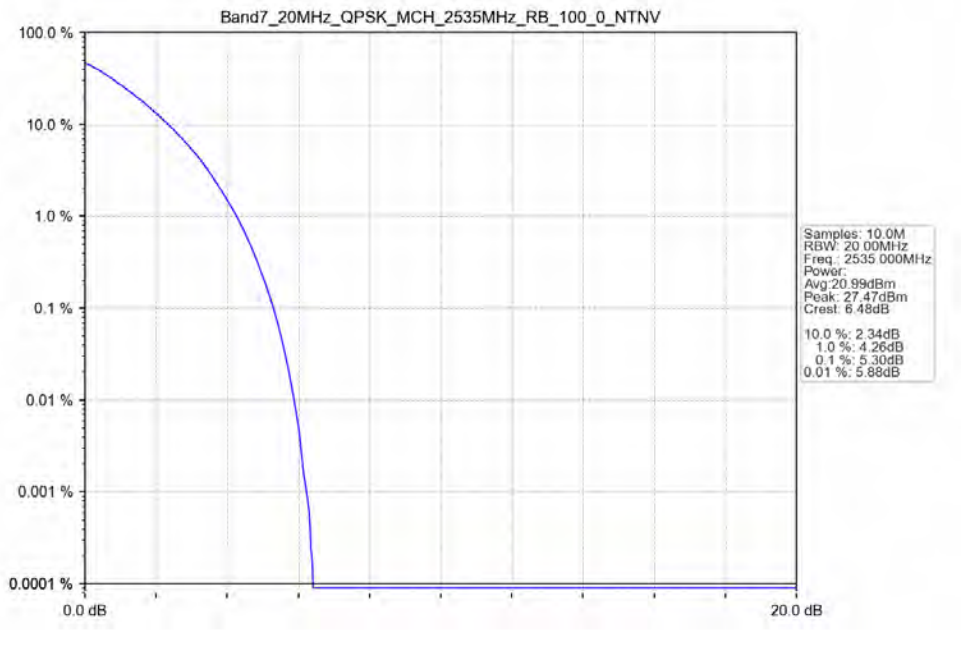
5.1 Test Result

5.1.1 B7_20MHz

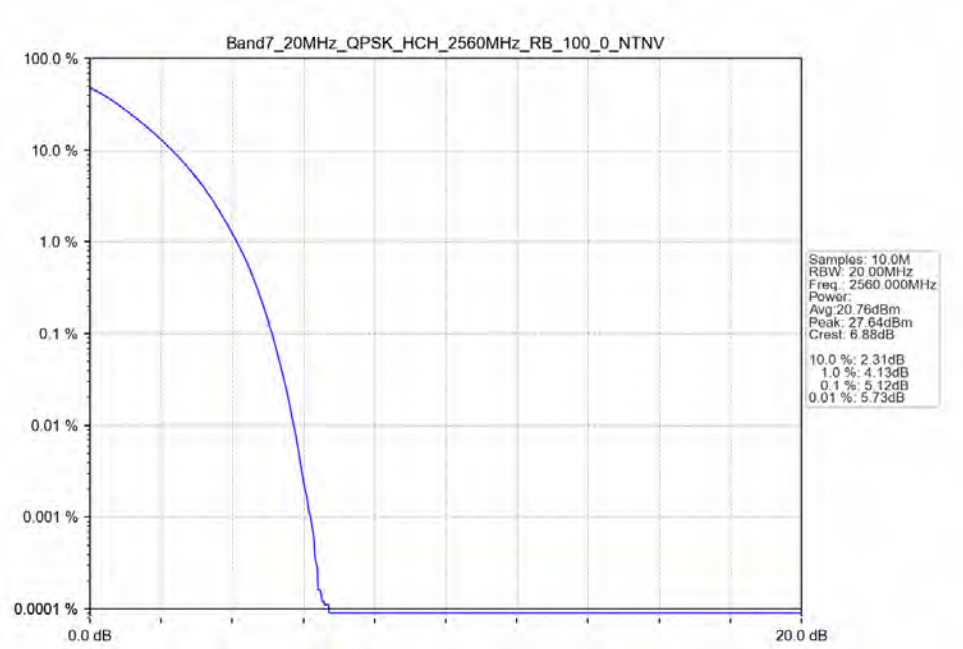
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.23	<=13	Pass
	2535	100	0	5.30	<=13	Pass
	2560	100	0	5.12	<=13	Pass
16QAM	2510	100	0	5.99	<=13	Pass
	2535	100	0	6.14	<=13	Pass
	2560	100	0	5.89	<=13	Pass

5.2 Test Graph

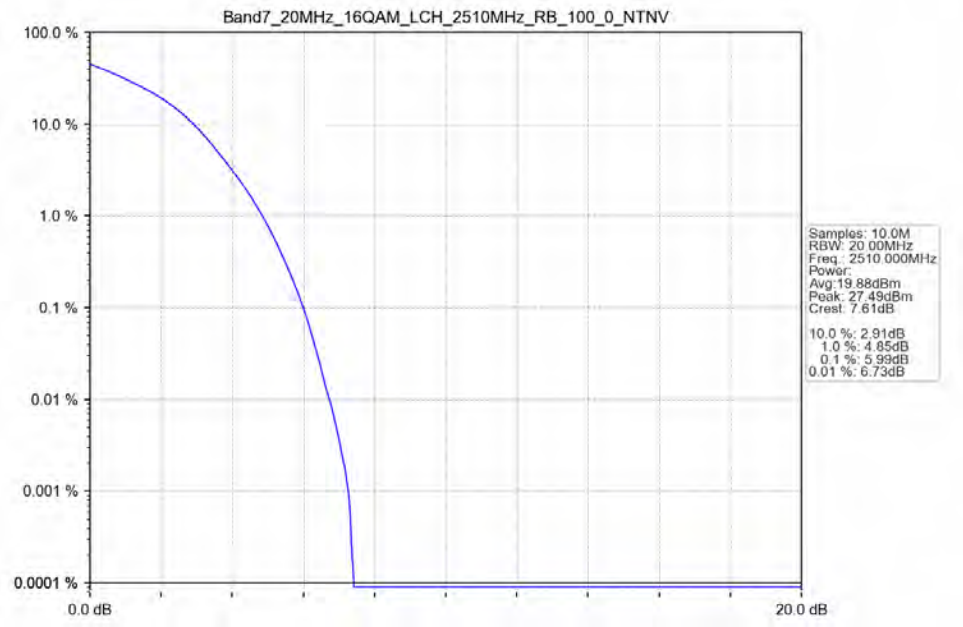
5.2.1 B7_20MHz

Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV

Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV


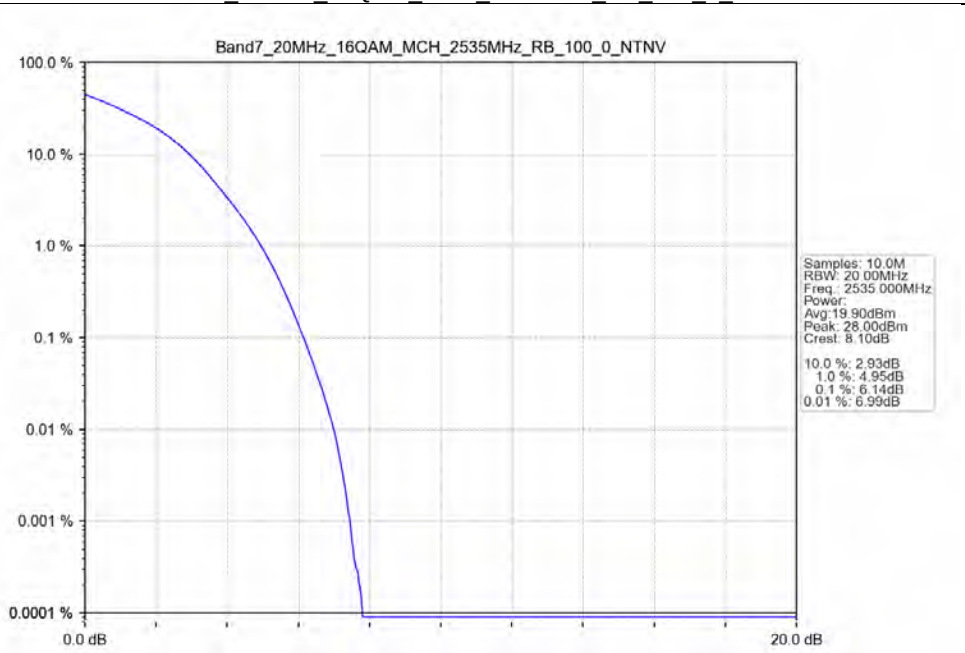
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



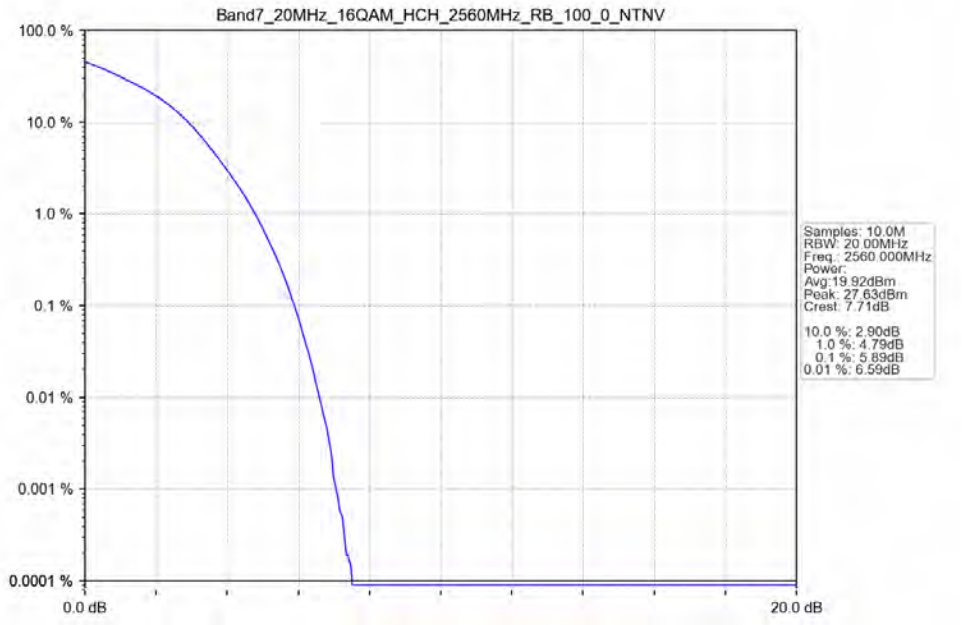
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV



6. Spurious Emission & Band Edges

6.1 Test Result

6.1.1 B7_5MHz

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2567.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B7_10MHz

Band: 7 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2565	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.3 B7_15MHz

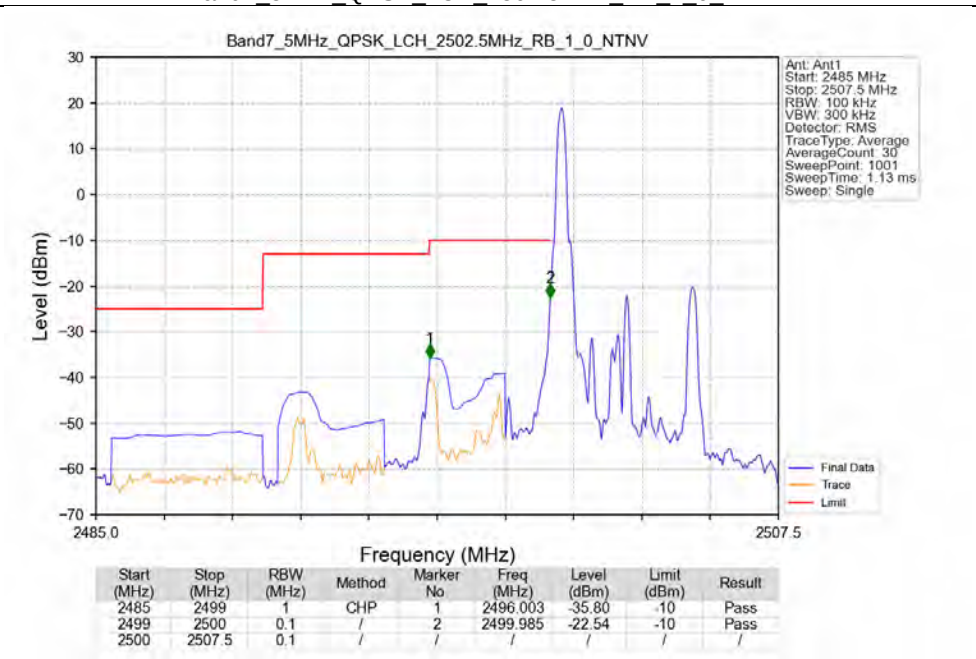
Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

6.1.4 B7_20MHz

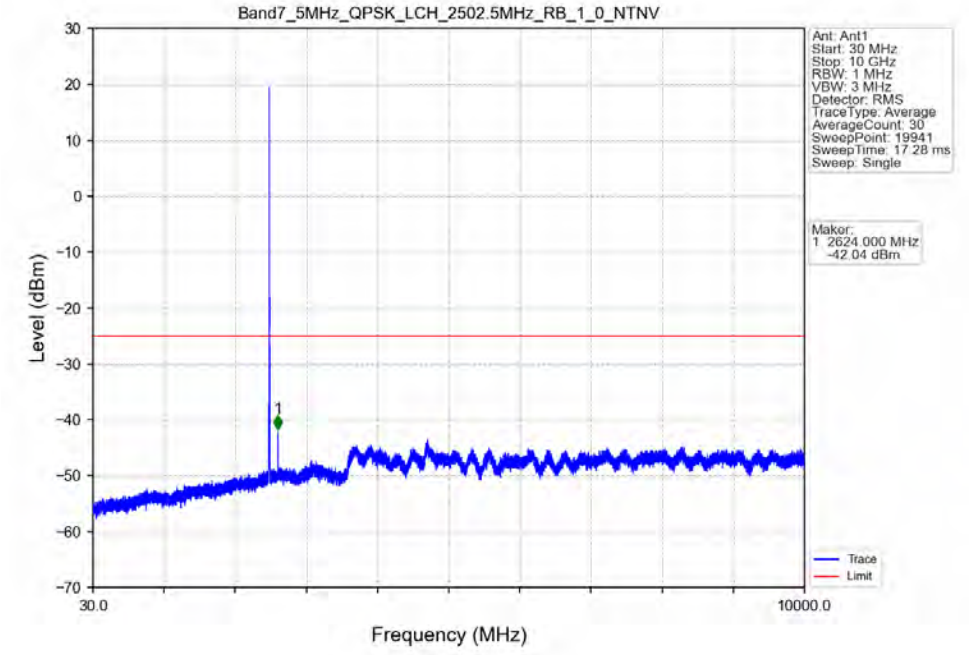
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

6.2 Test Graph

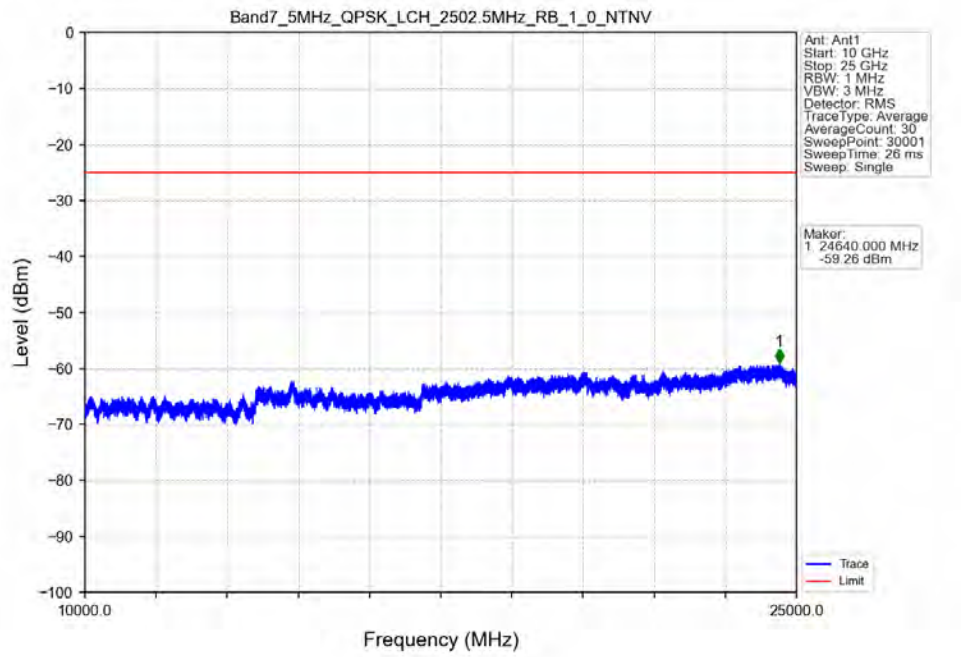
6.2.1 B7_5MHz

Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV


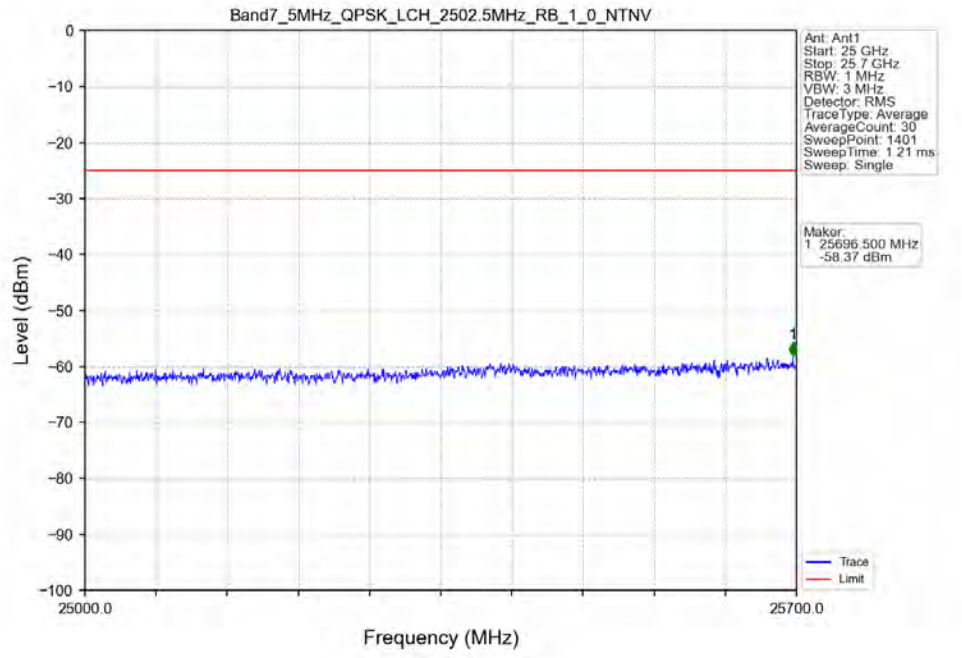
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2496.003	-35.80	-10	Pass
2499	2500	0.1	/	2	2499.985	-22.54	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/

Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV


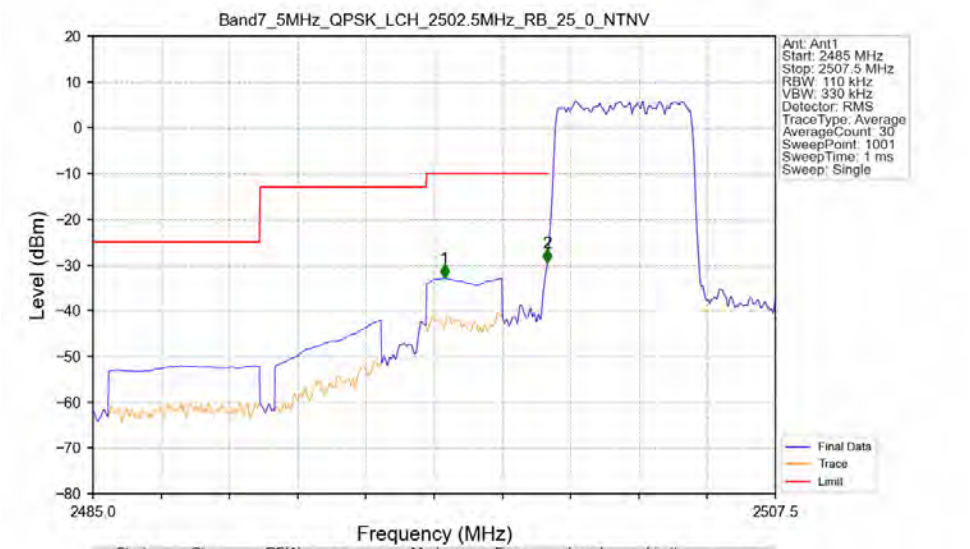
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

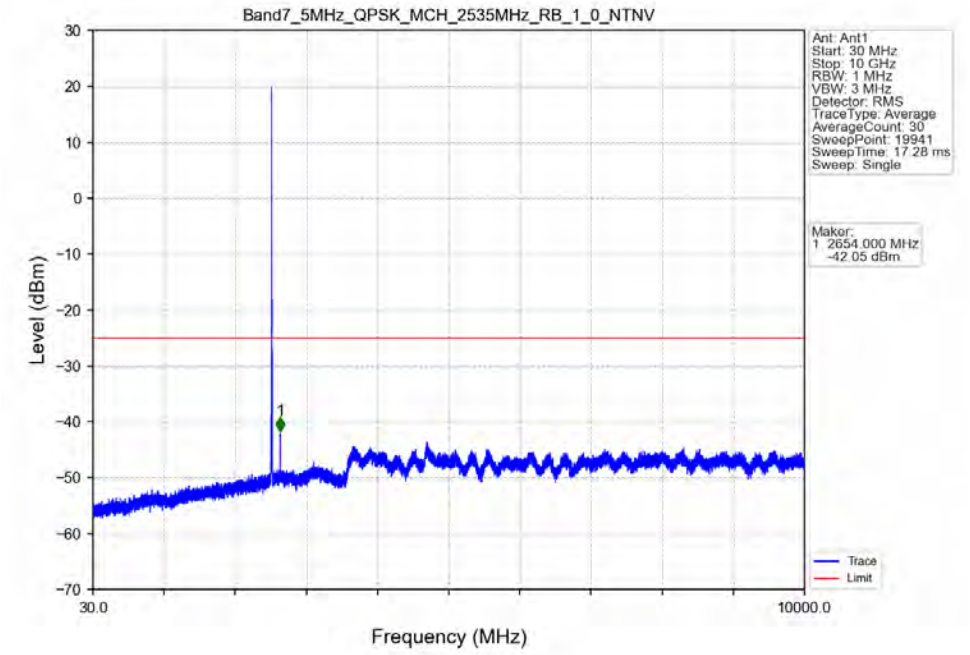


Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV

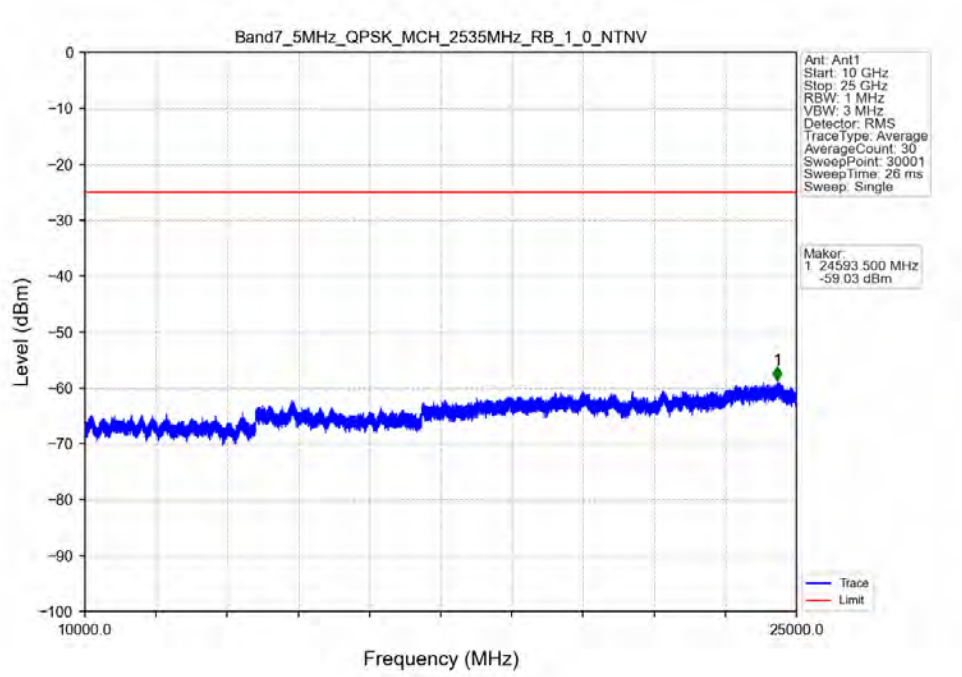


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2496.588	-32.94	-10	Pass
2499	2500	0.11	/	2	2499.985	-29.64	-10	Pass
2500	2507.5	0.11	/	/	/	/	/	/

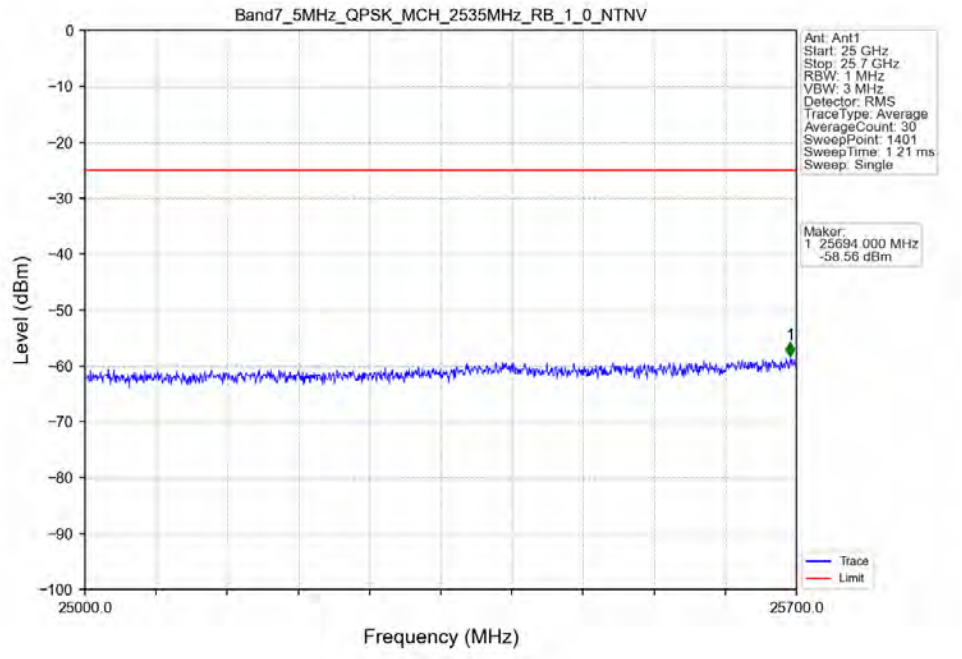
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



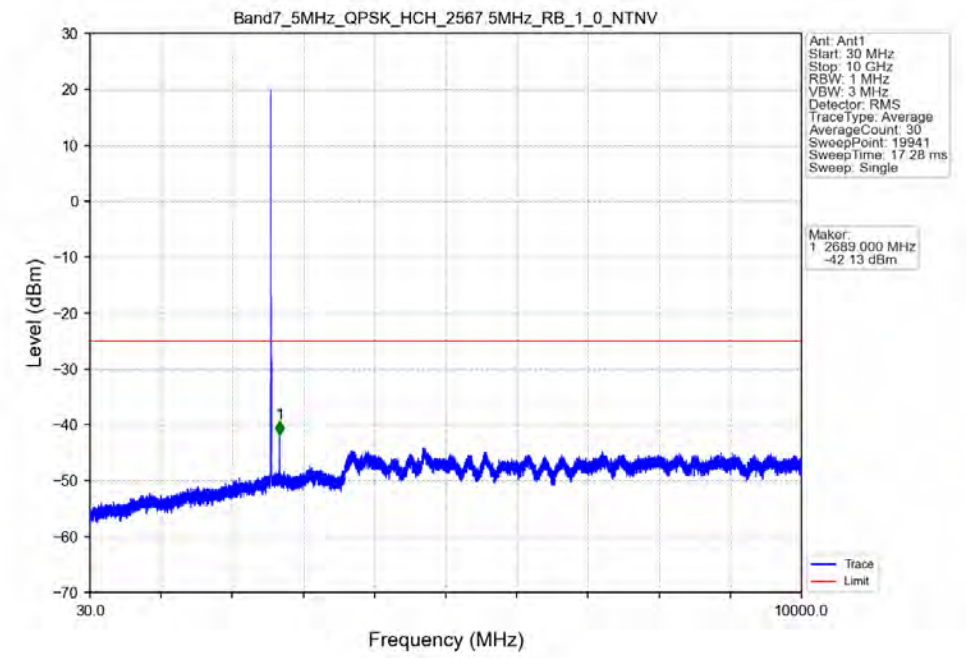
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



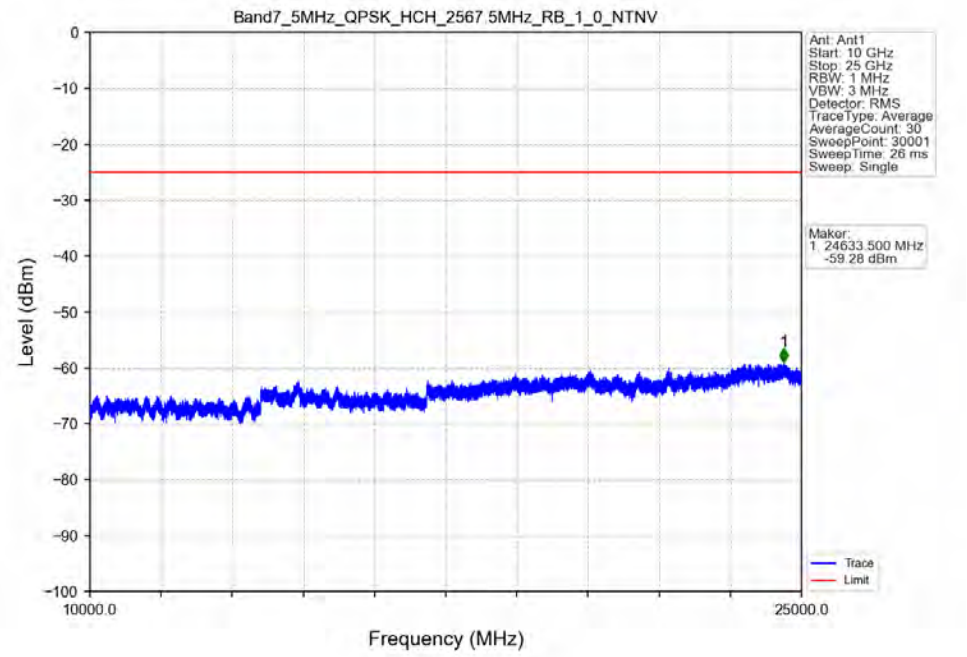
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



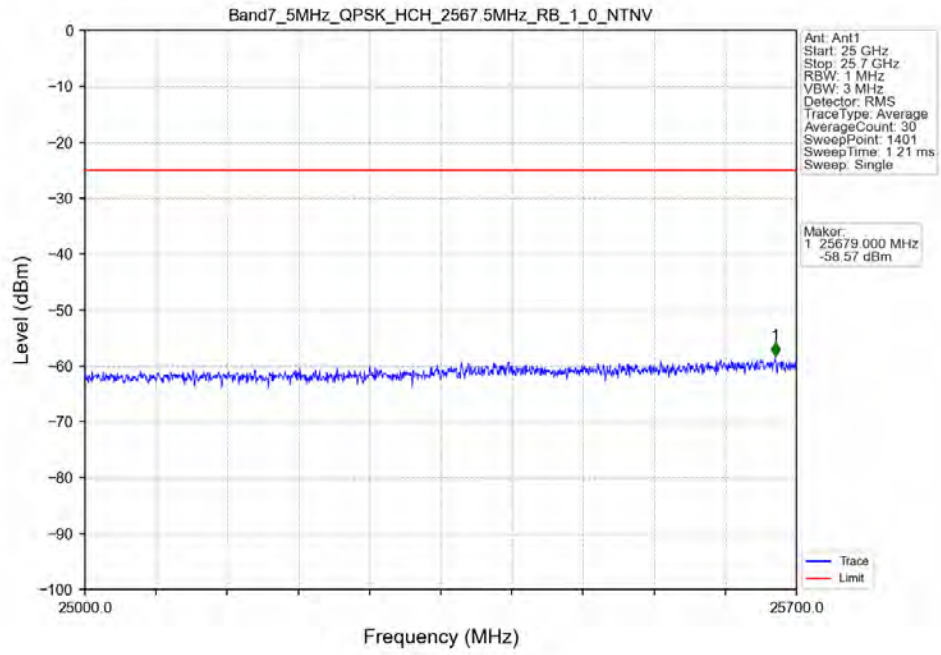
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



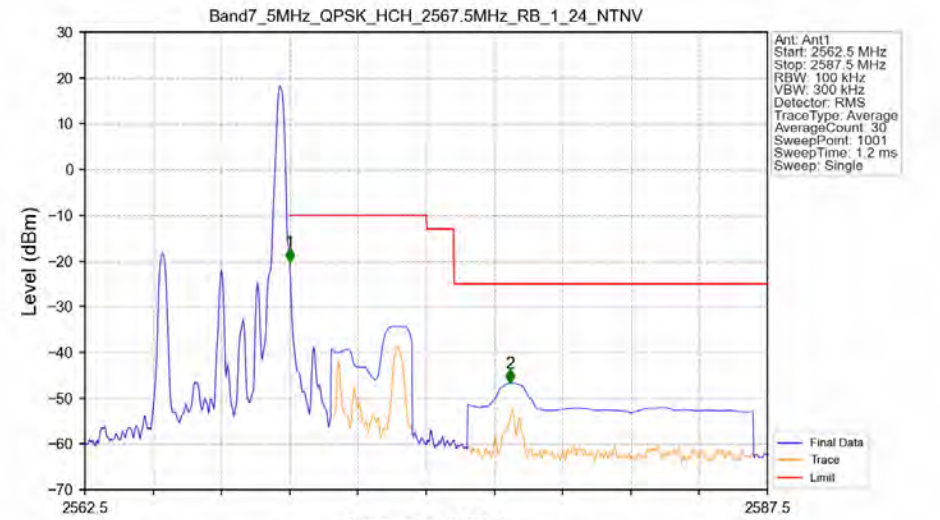
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV

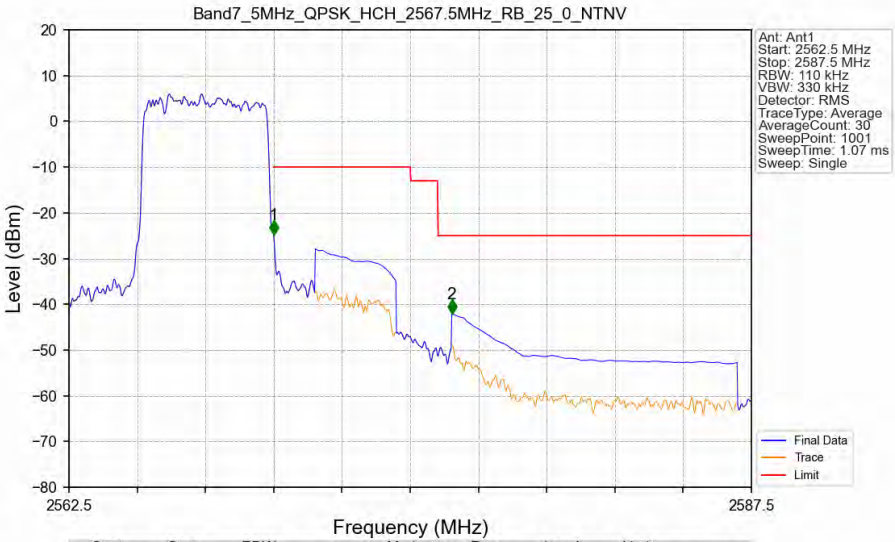


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



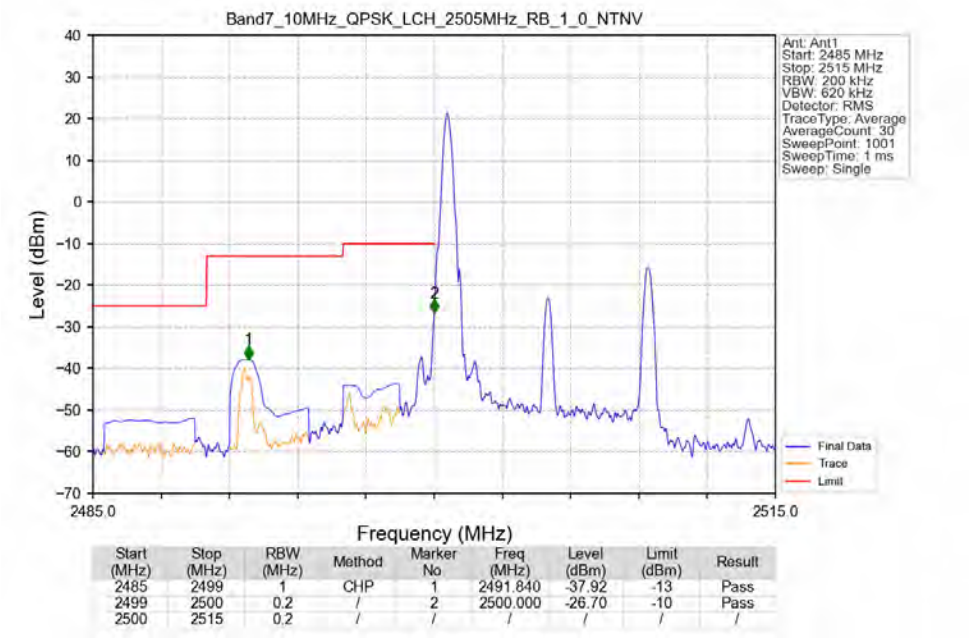
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.000	-20.31	-10	Pass
2571	2587.5	1	CHP	2	2578.075	-46.71	-25	Pass

Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV

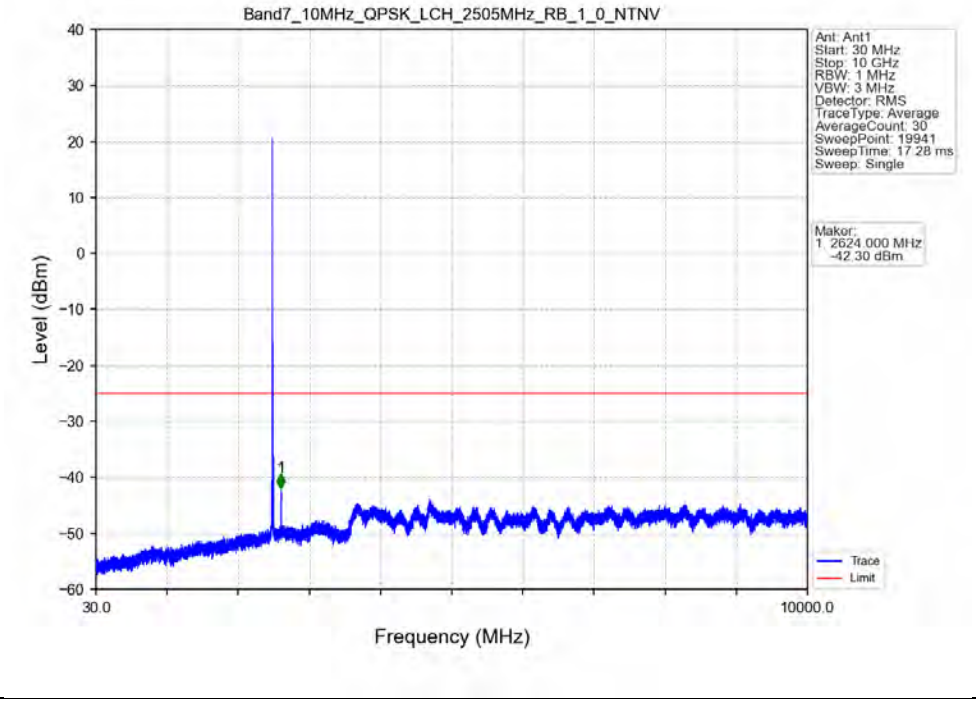


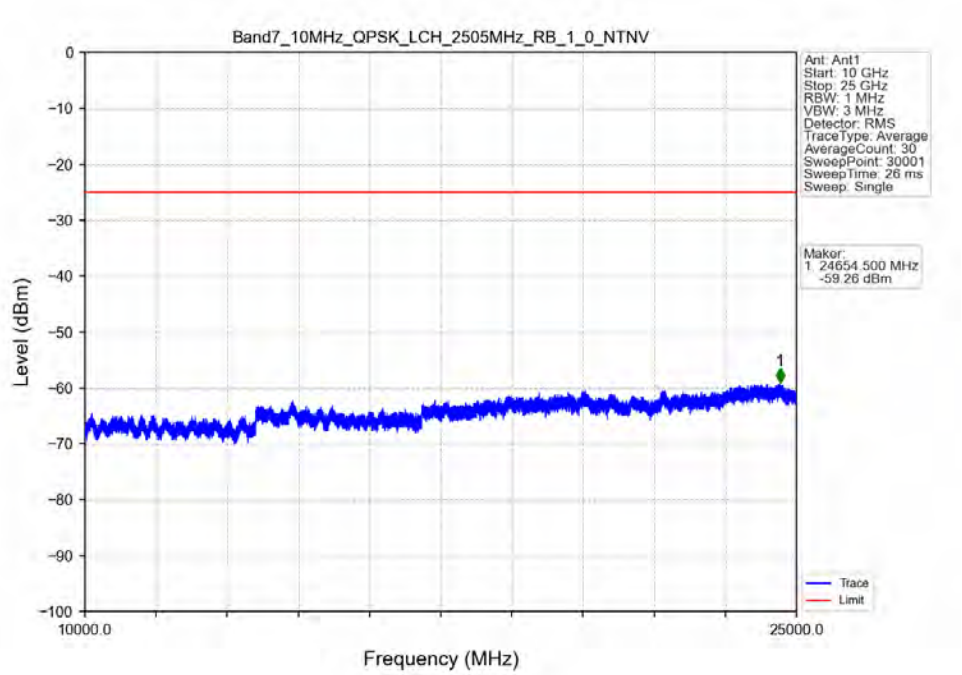
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.11	/	/	/	/	/	/
2570	2571	0.11	/	1	2570.000	-24.82	-10	Pass
2571	2587.5	1	CHP	2	2576.525	-42.03	-25	Pass

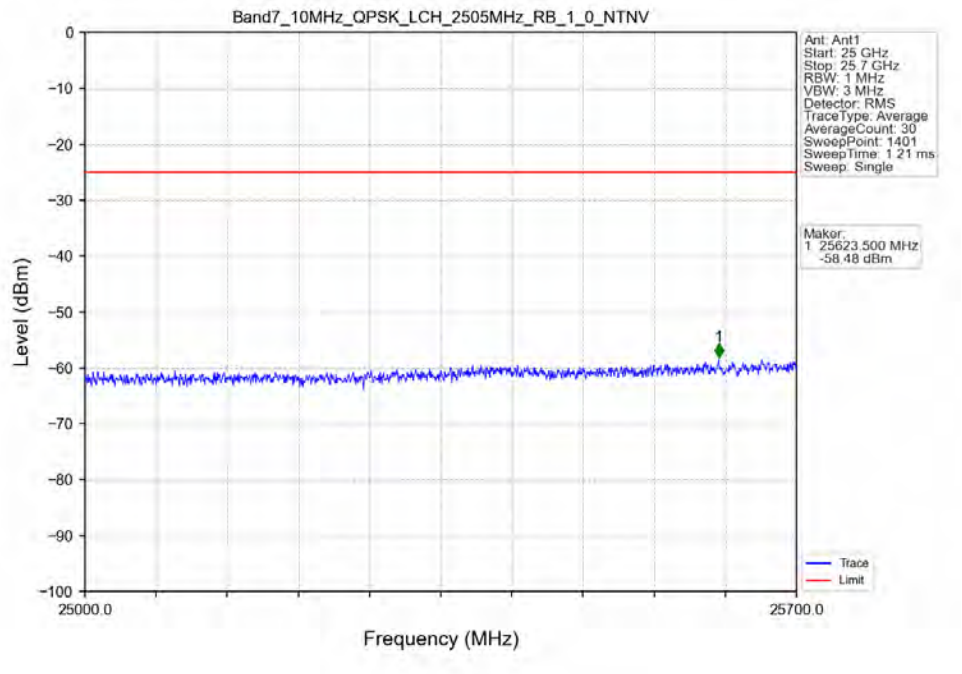
5.2.2 B7_10MHz

Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV


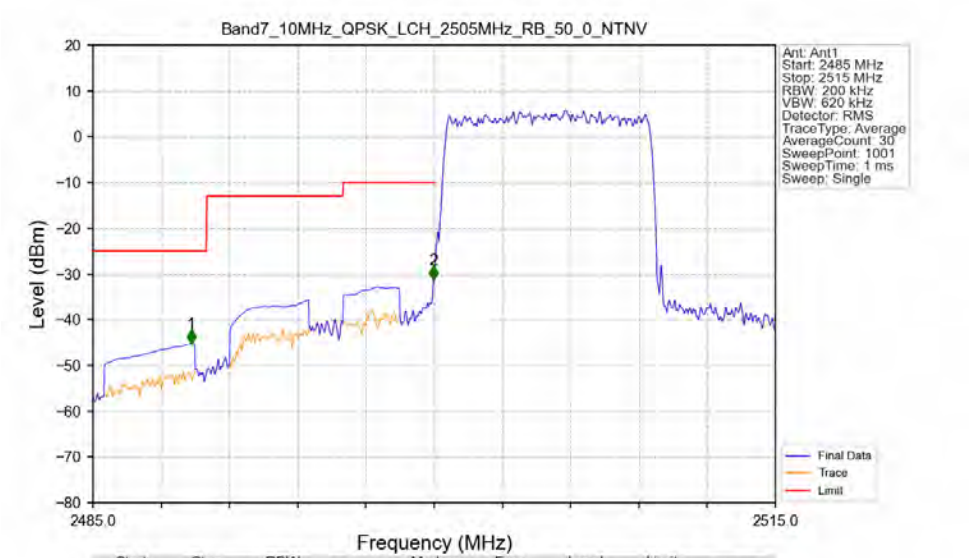
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2491.840	-37.92	-13	Pass
2499	2500	0.2	/	2	2500.000	-26.70	-10	Pass
2500	2515	0.2	/	/	/	/	/	/

Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV


Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV


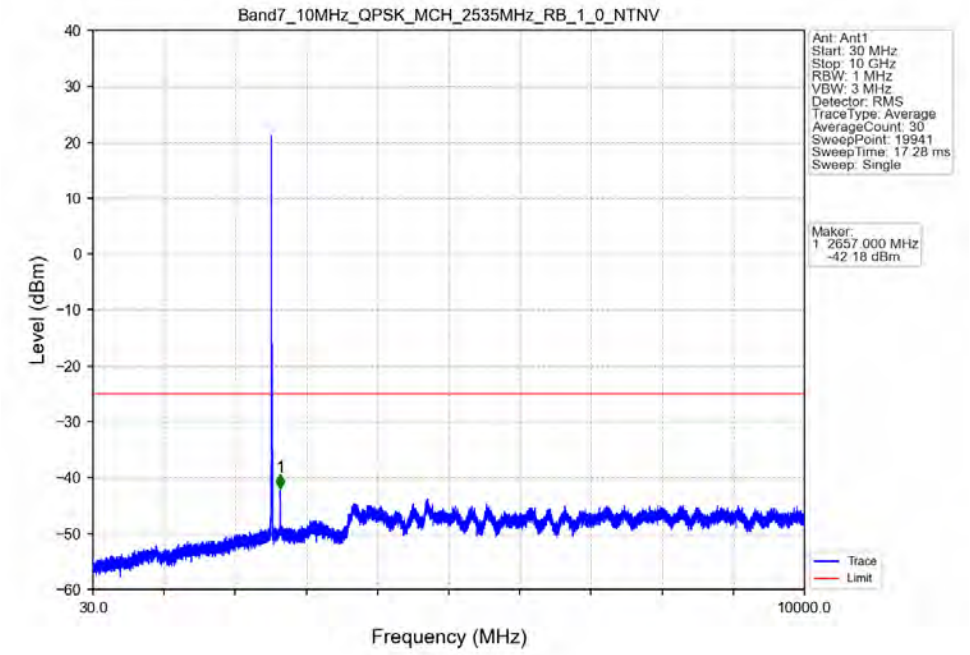
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV


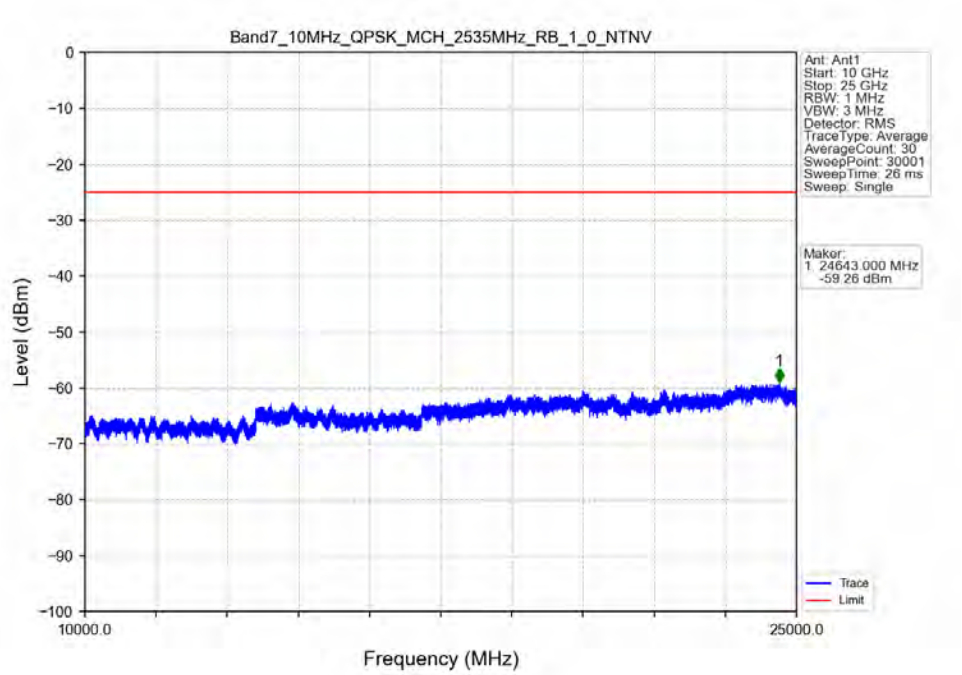
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV

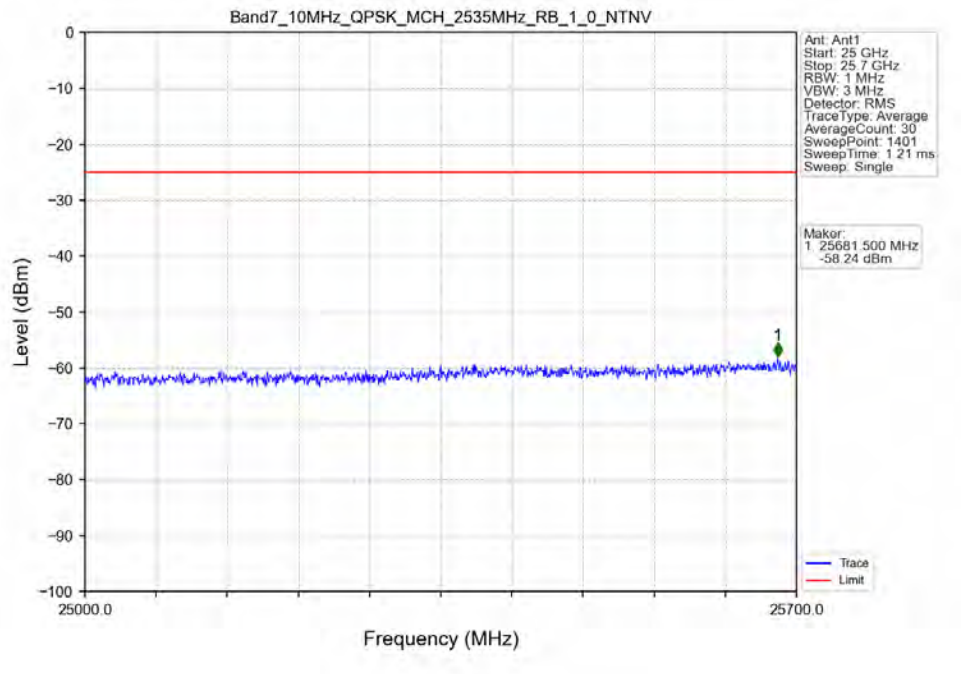


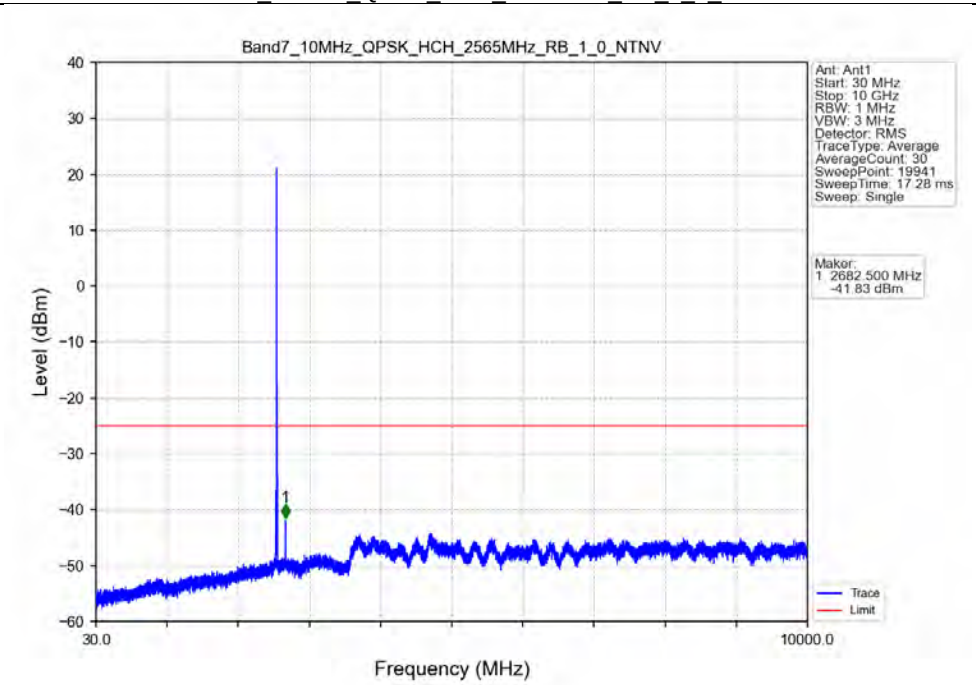
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2489.320	-45.28	-25	Pass
2499	2500	0.2	/	2	2499.970	-31.38	-10	Pass
2500	2515	0.2	/	/	/	/	/	/

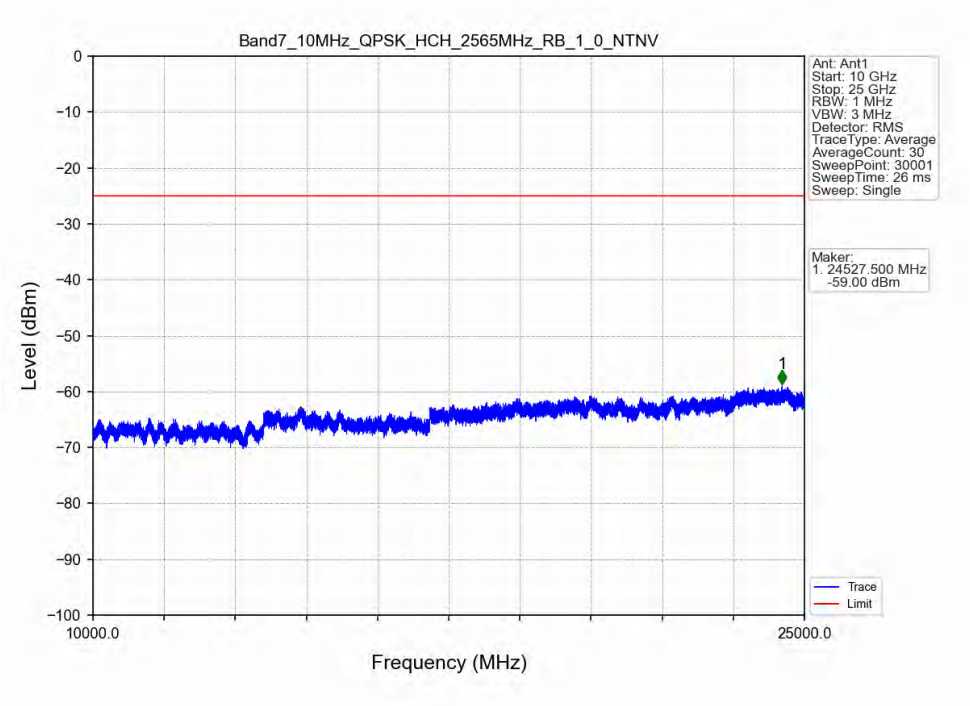
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



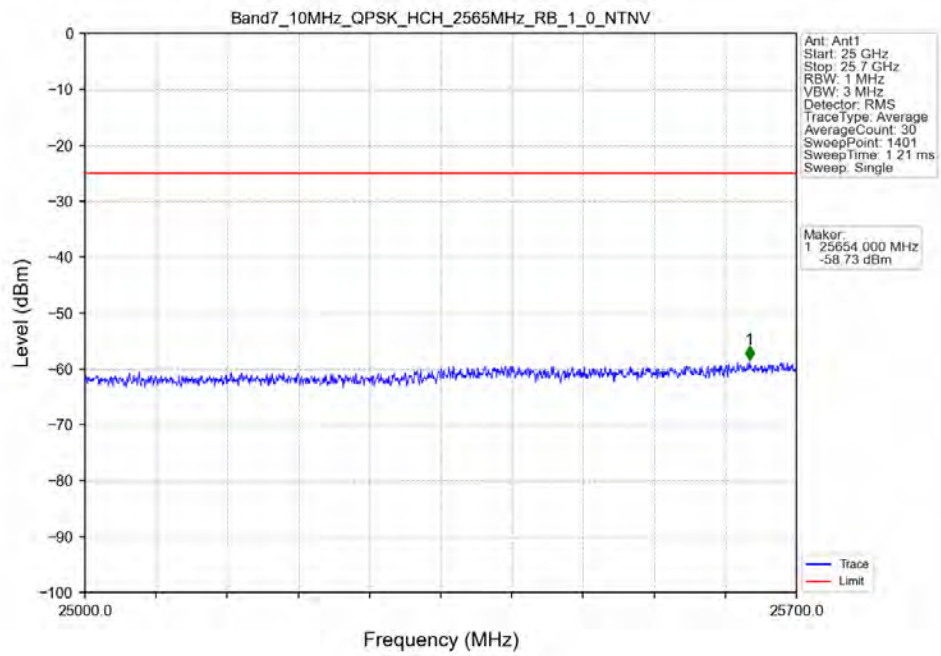
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV


Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV


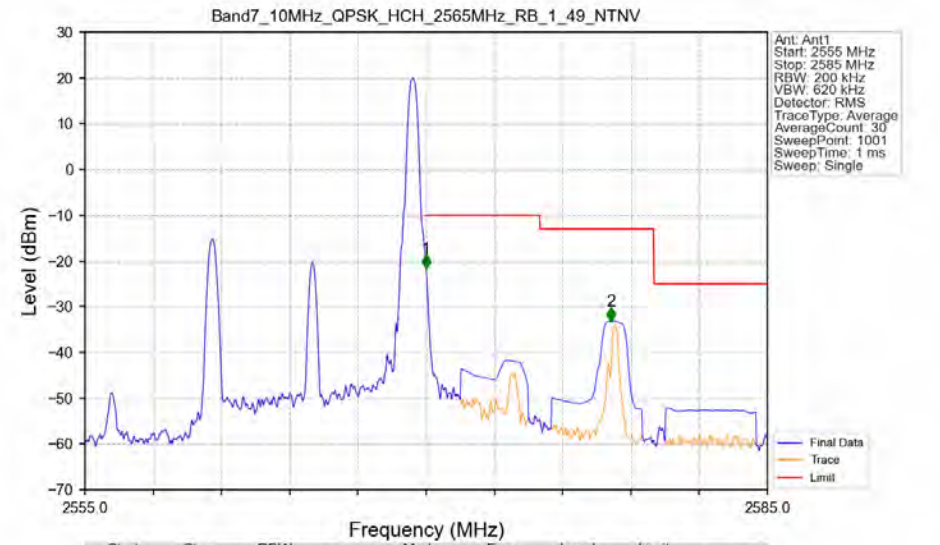
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV

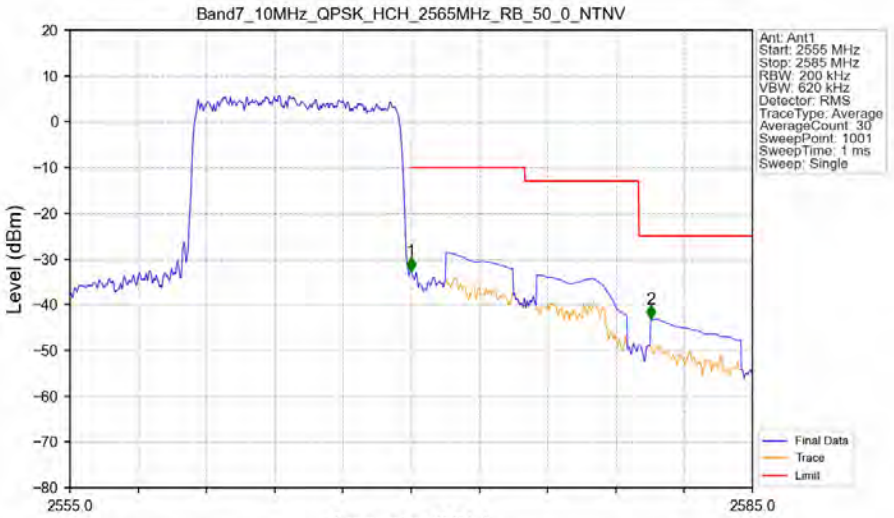


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.2	/	/	/	/	/	/
2570	2571	0.2	/	1	2570.000	-21.67	-10	Pass
2571	2585	1	CHP	2	2578.130	-33.25	-13	Pass

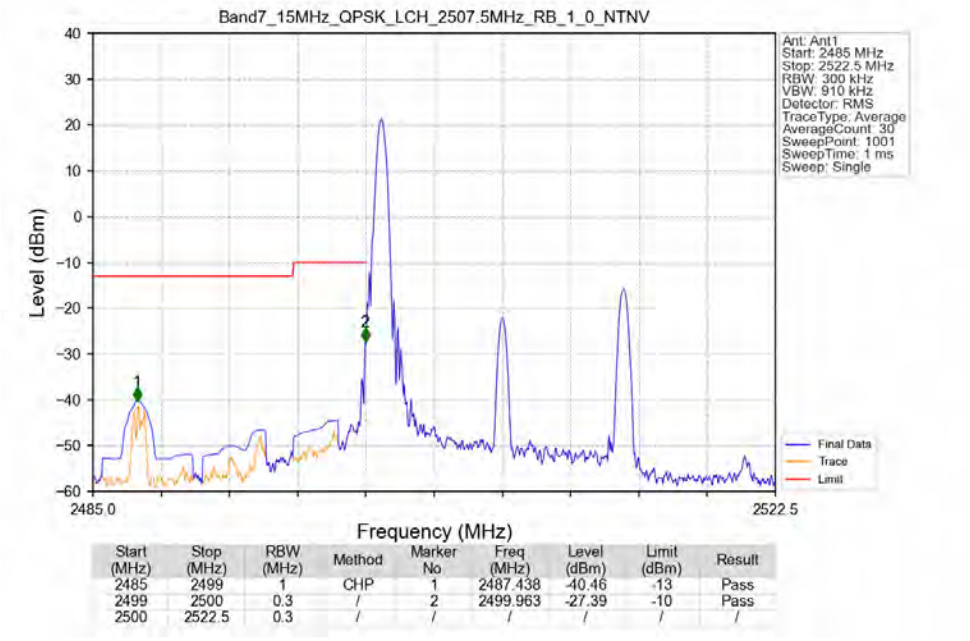
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.2	/	/	/	/	/	/
2570	2571	0.2	/	1	2570.000	-32.65	-10	Pass
2571	2585	1	CHP	2	2580.530	-43.16	-25	Pass

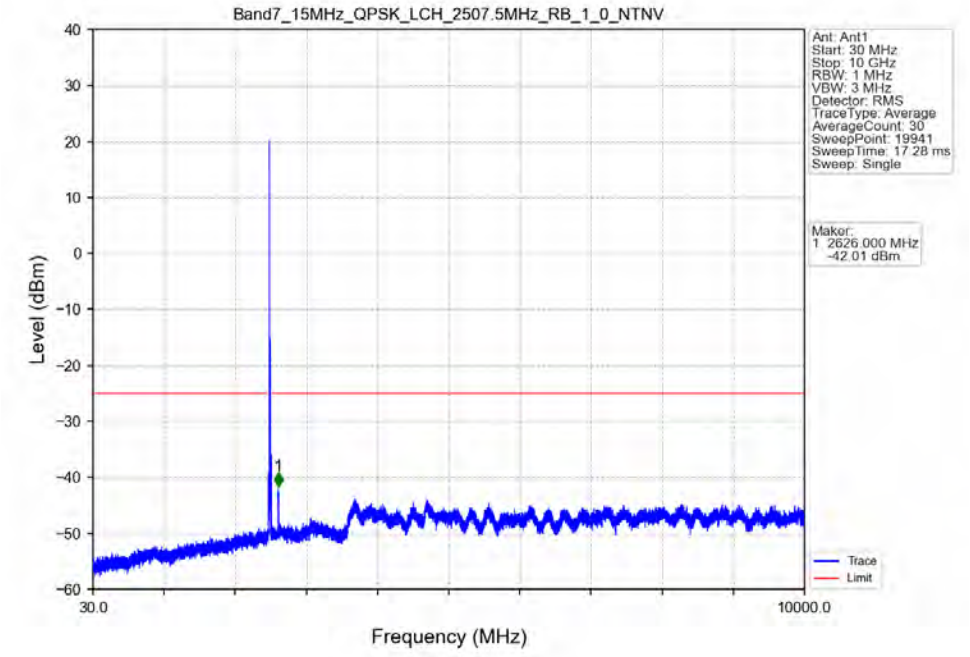
5.2.3 B7_15MHz

Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV

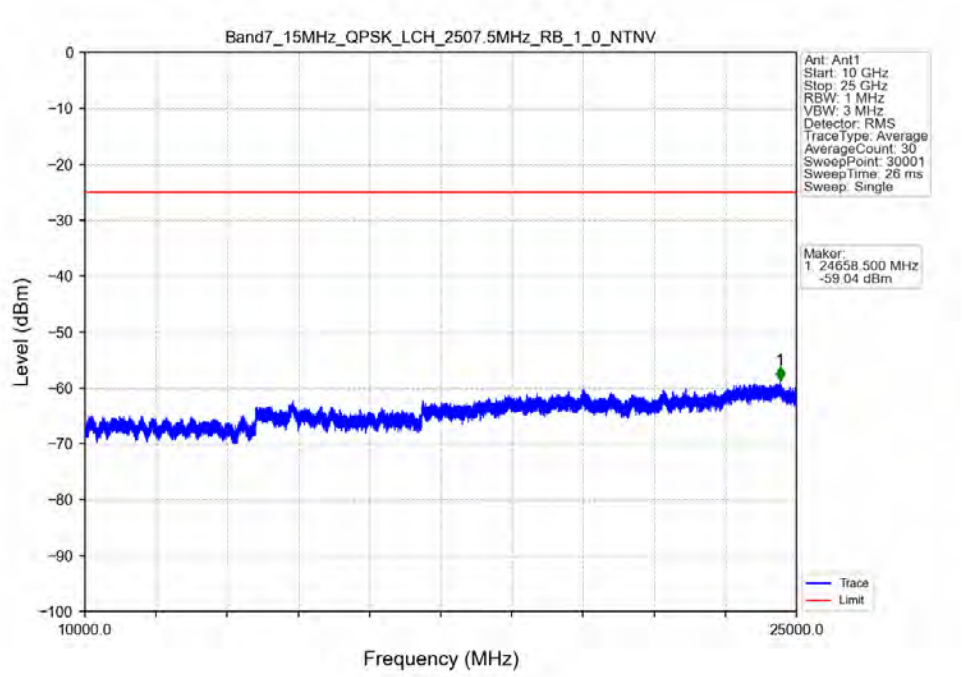


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2487.438	-40.46	-13	Pass
2499	2500	0.3	/	2	2499.963	-27.39	-10	Pass
2500	2522.5	0.3	/	/	/	/	/	/

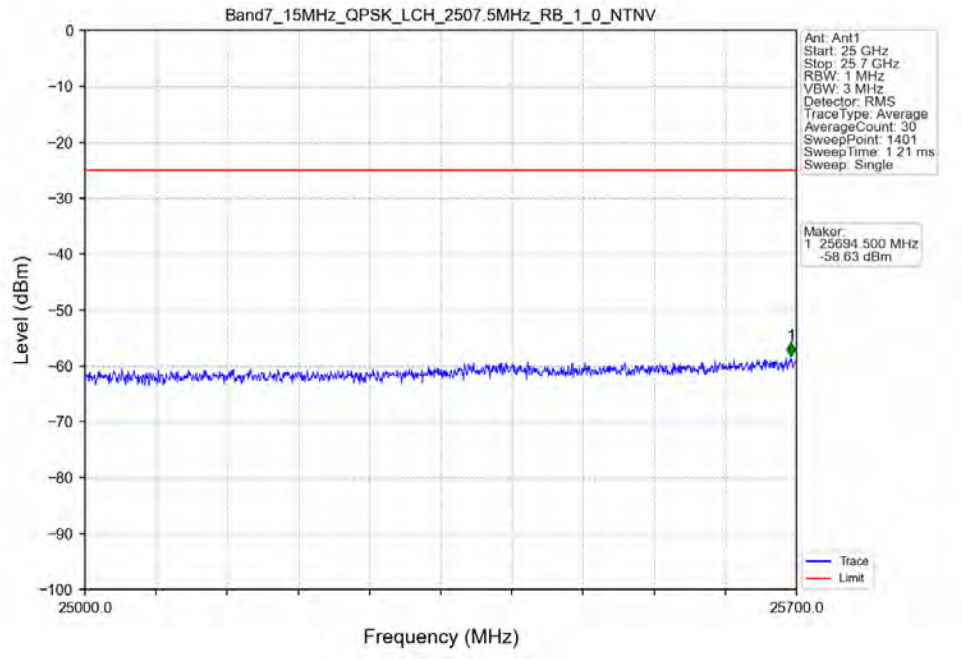
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



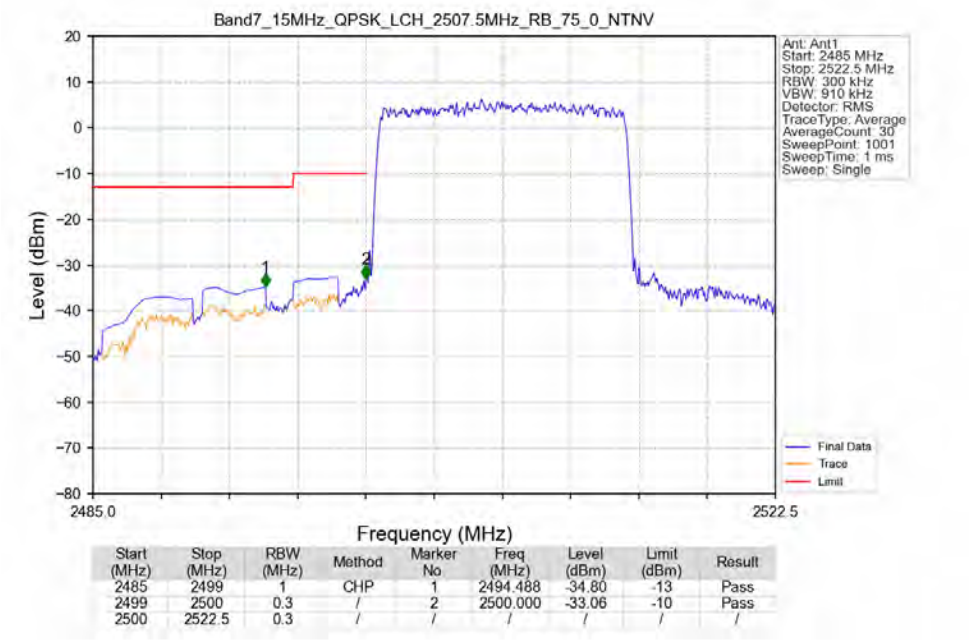
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV

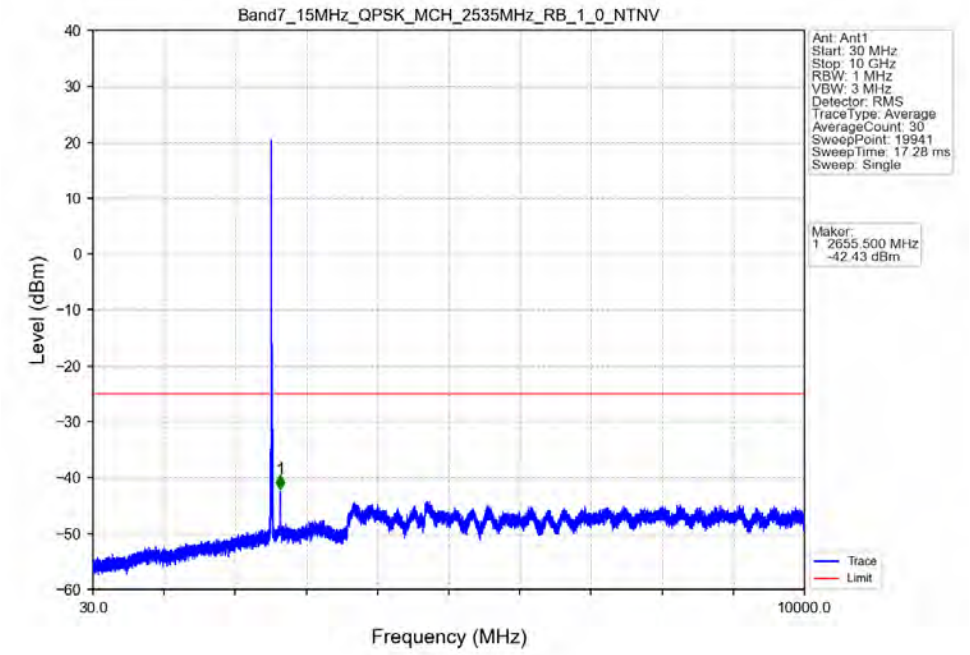


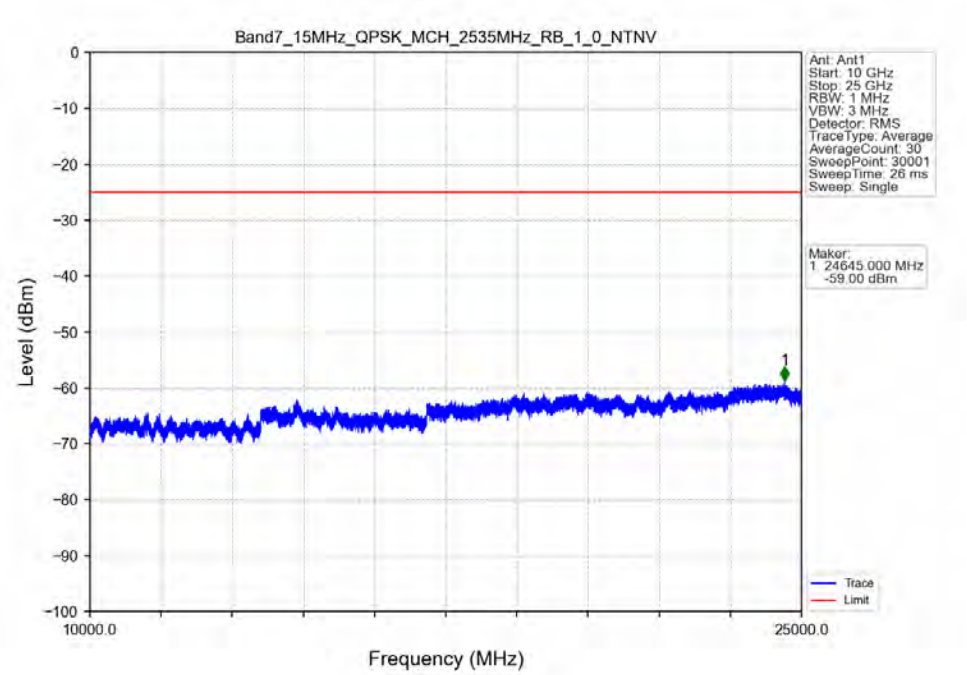
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV

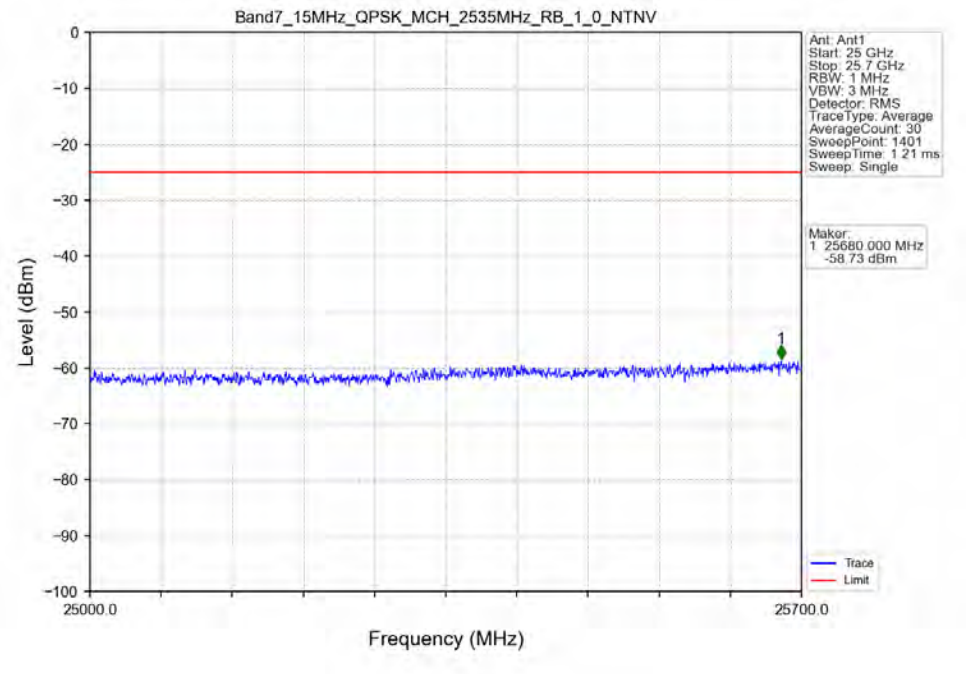


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2494.488	-34.80	-13	Pass
2499	2500	0.3	/	2	2500.000	-33.06	-10	Pass
2500	2522.5	0.3	/	/	/	/	/	/

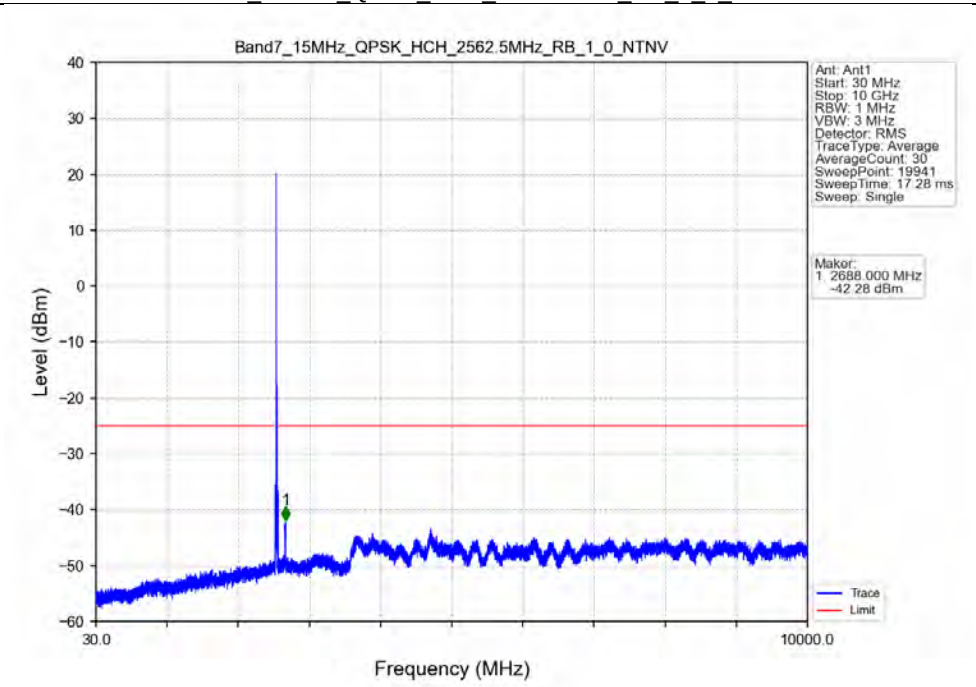
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



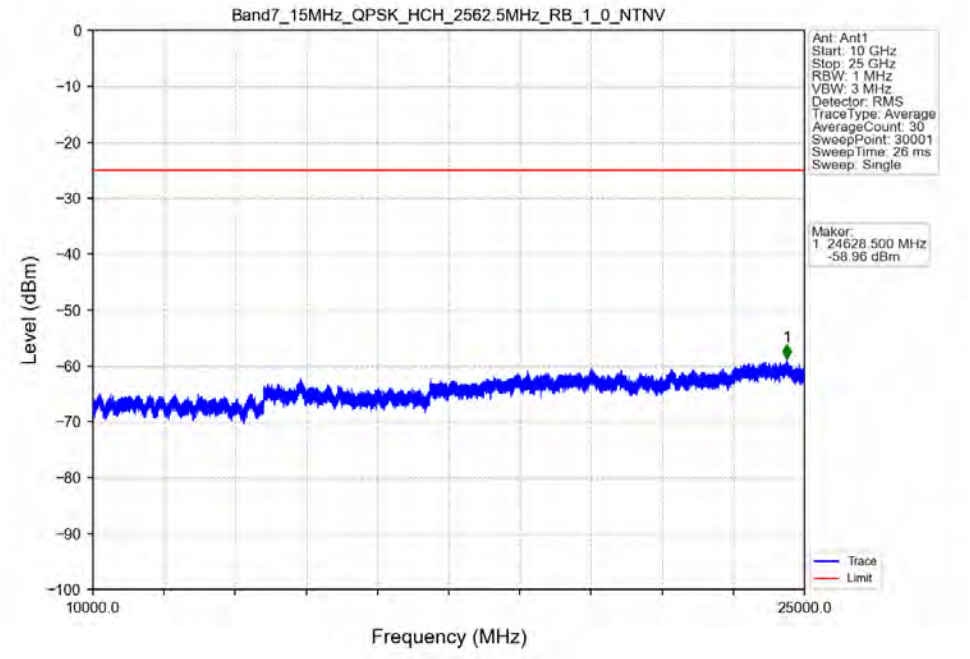
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV


Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV


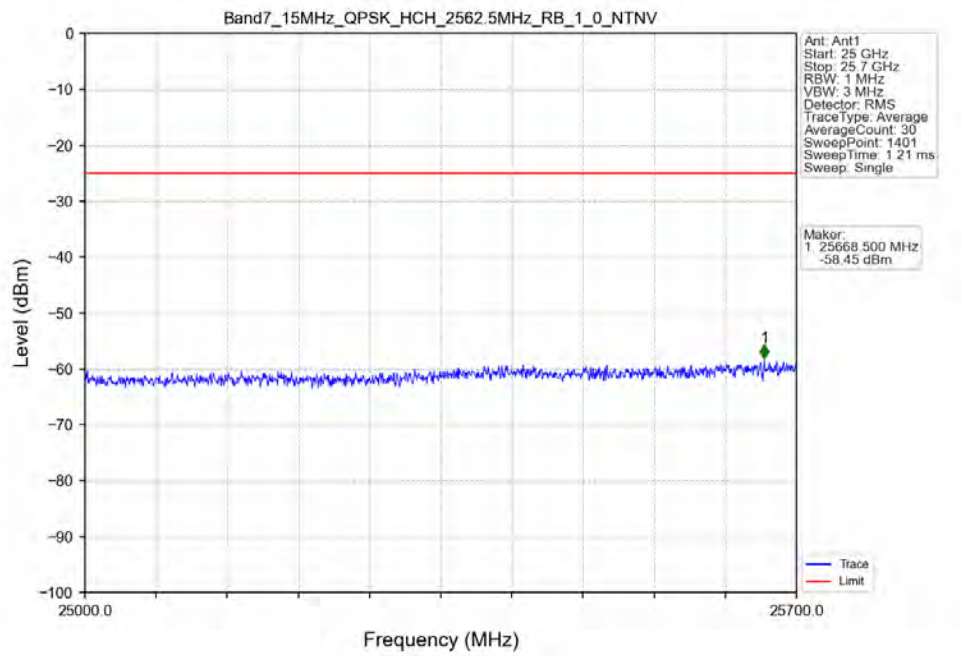
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



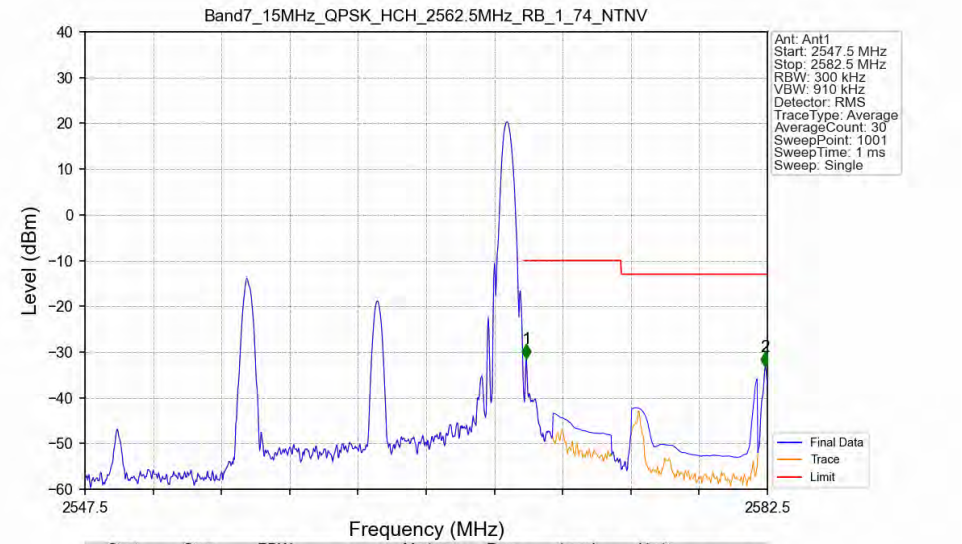
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV

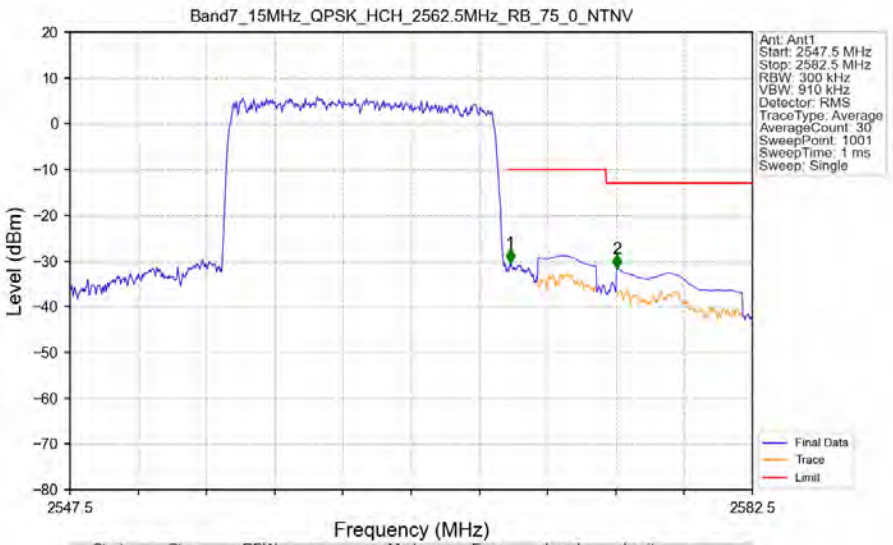


Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.3	/	/	/	/	/	/
2570	2571	0.3	/	1	2570.145	-31.50	-10	Pass
2571	2582.5	1	CHP	2	2582.395	-33.27	-13	Pass

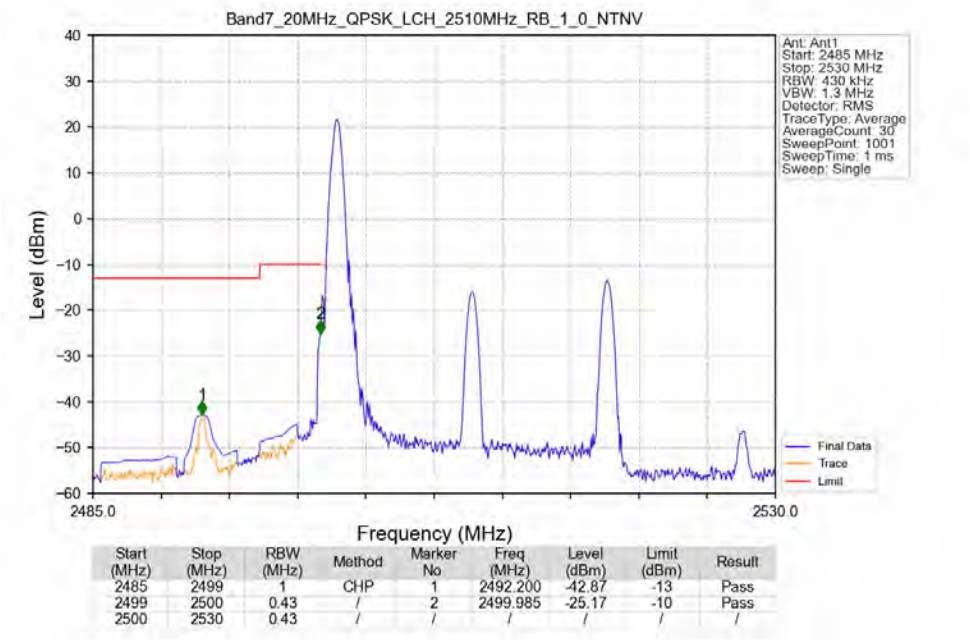
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2547.5	2570	0.3	/	/	/	/	/	/
2570	2571	0.3	/	1	2570.075	-30.40	-10	Pass
2571	2582.5	1	CHP	2	2575.570	-31.72	-13	Pass

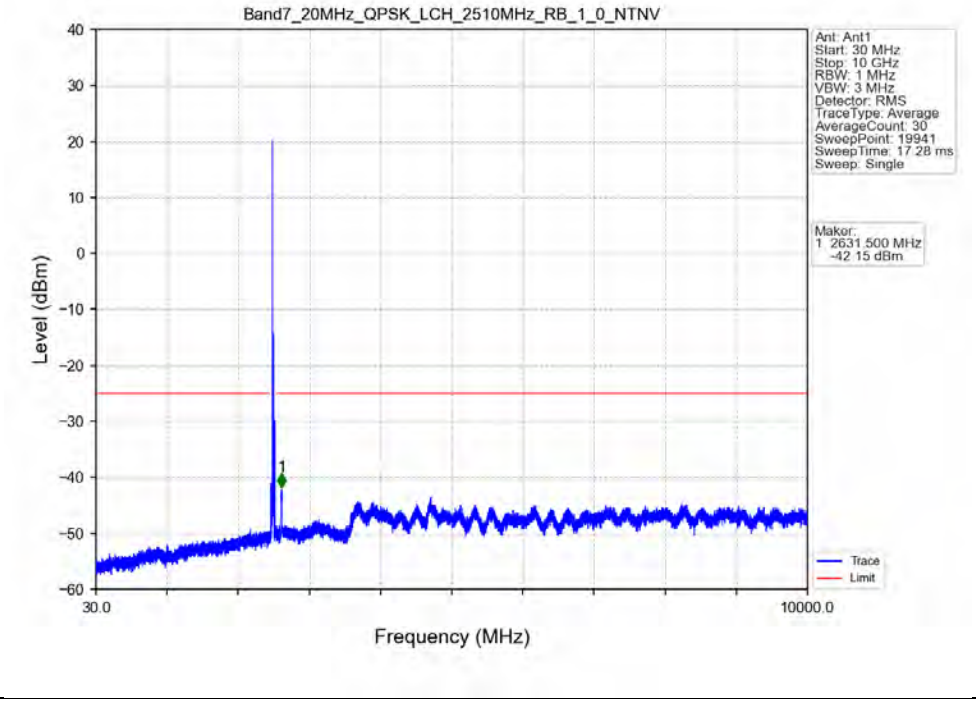
5.2.4 B7_20MHz

Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

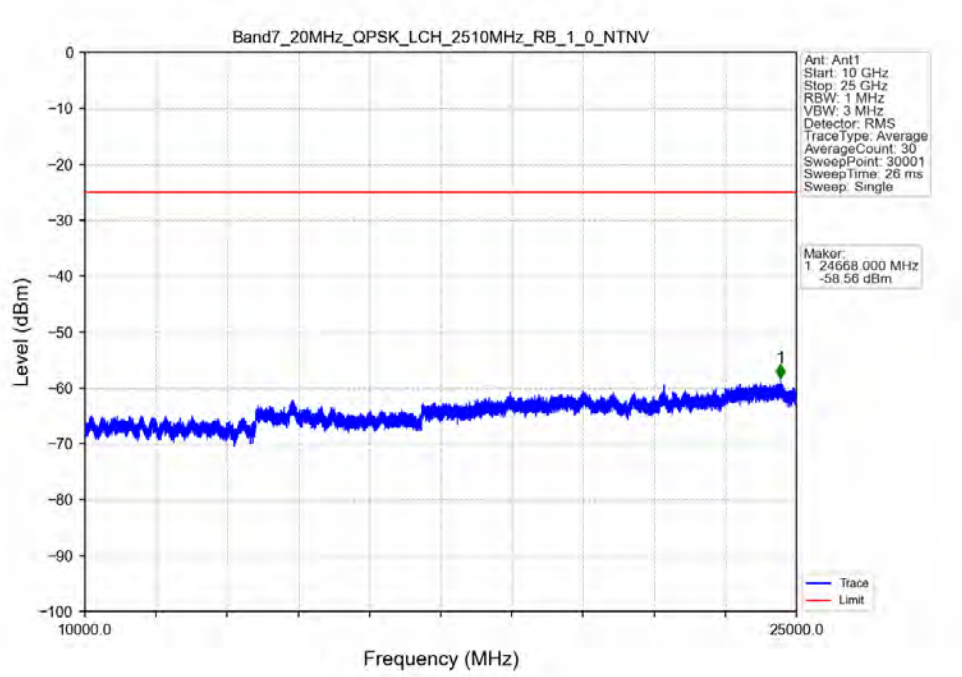


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2492.200	-42.87	-13	Pass
2499	2500	0.43	/	2	2499.985	-25.17	-10	Pass
2500	2530	0.43	/	/	/	/	/	/

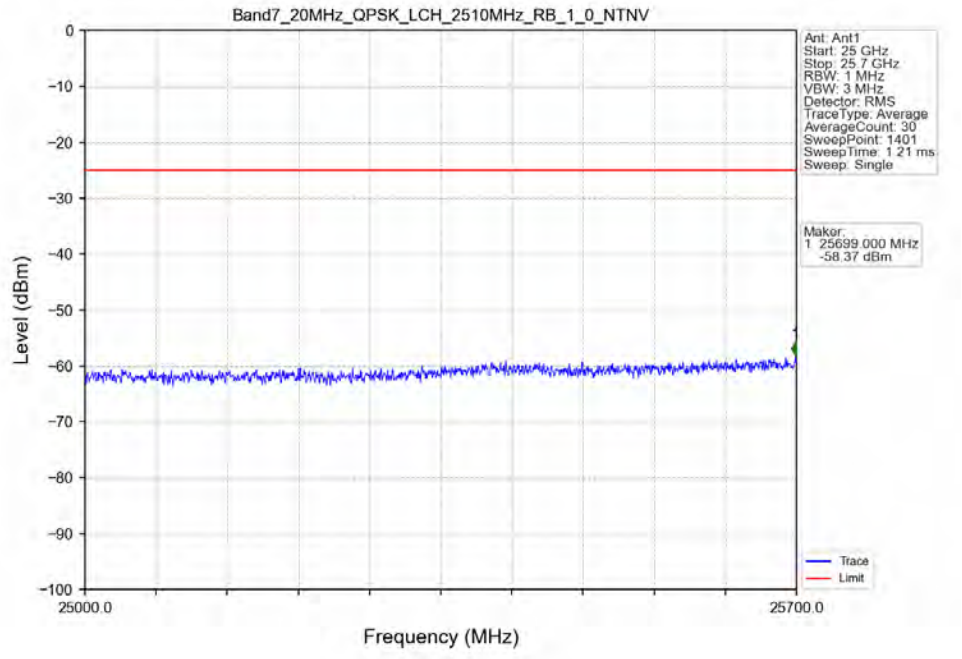
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



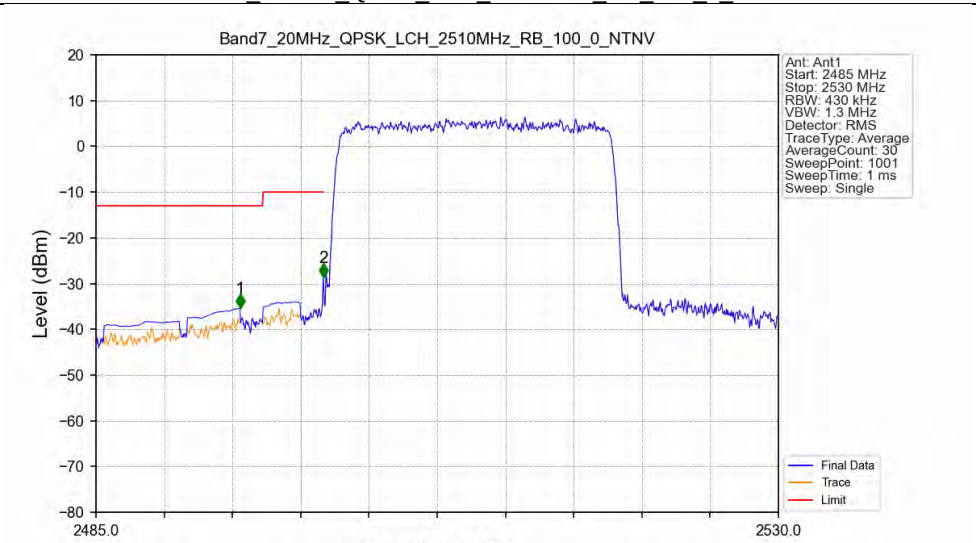
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

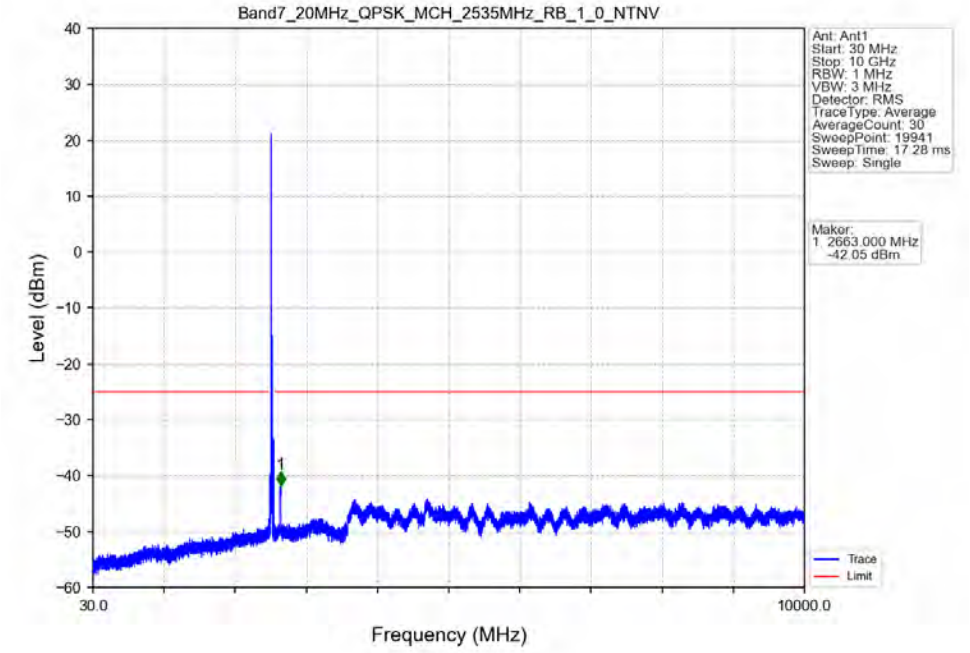


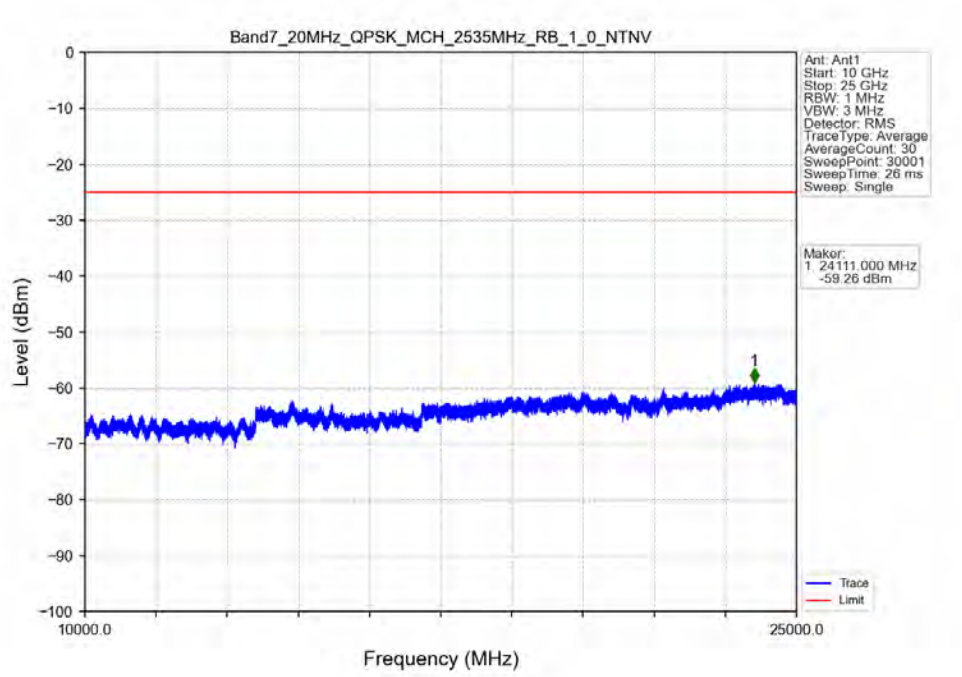
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV

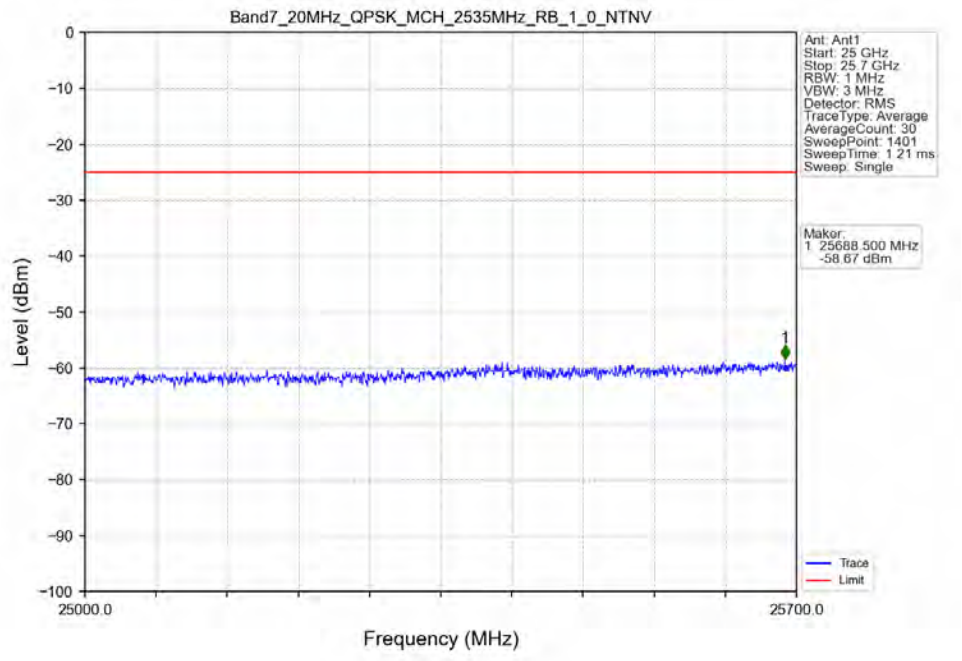


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2494.495	-35.43	-13	Pass
2499	2500	0.43	/	2	2499.985	-28.71	-10	Pass
2500	2530	0.43	/	/	/	/	/	/

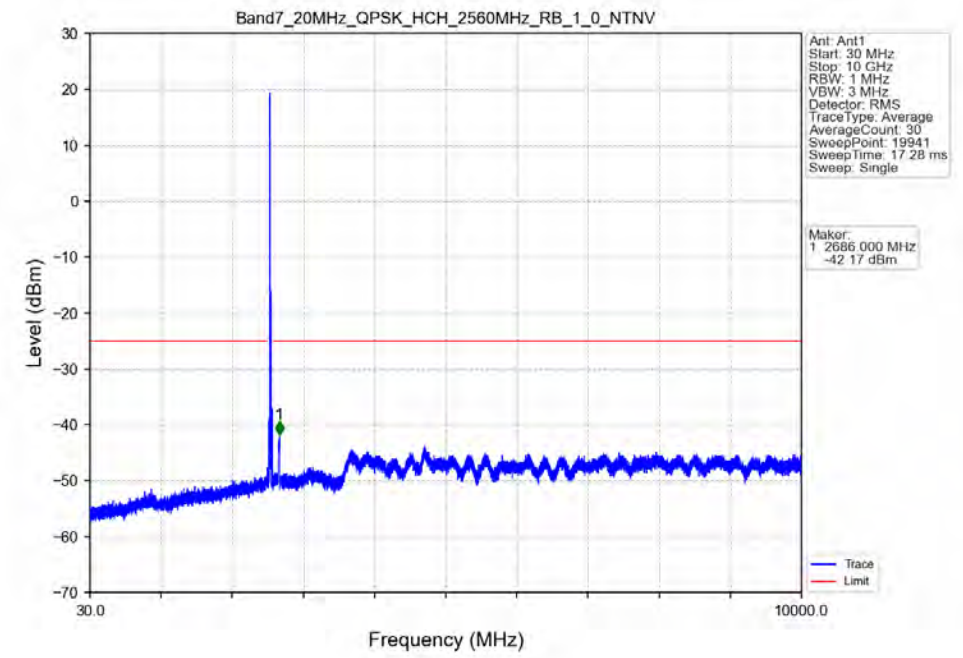
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



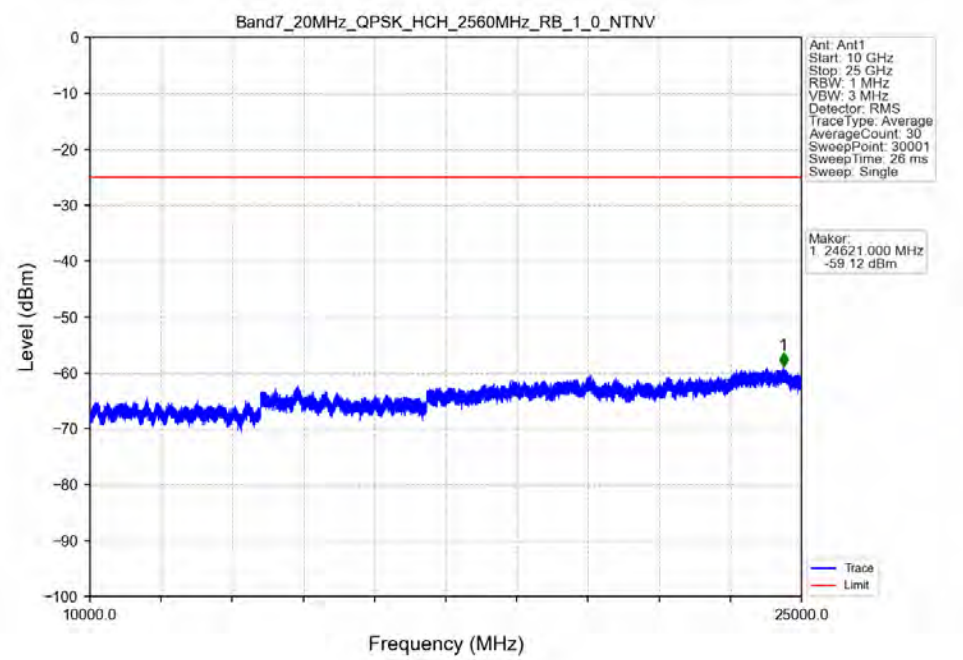
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV


Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV


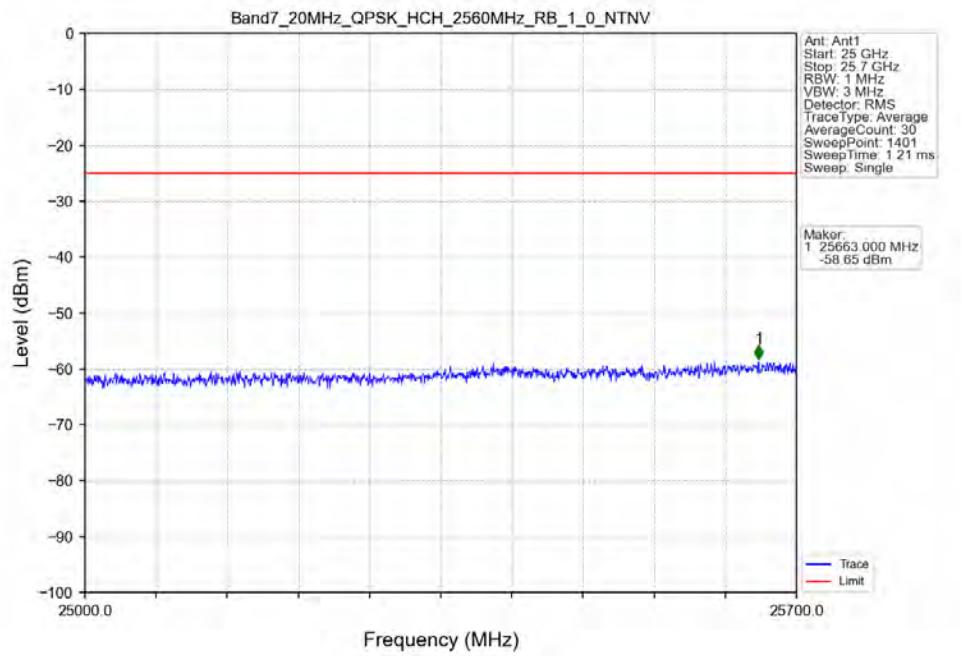
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



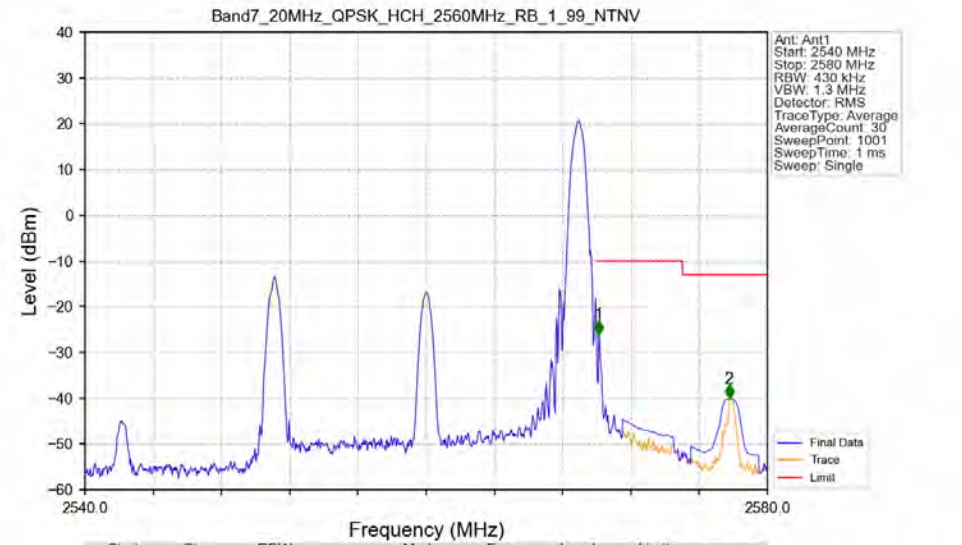
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV

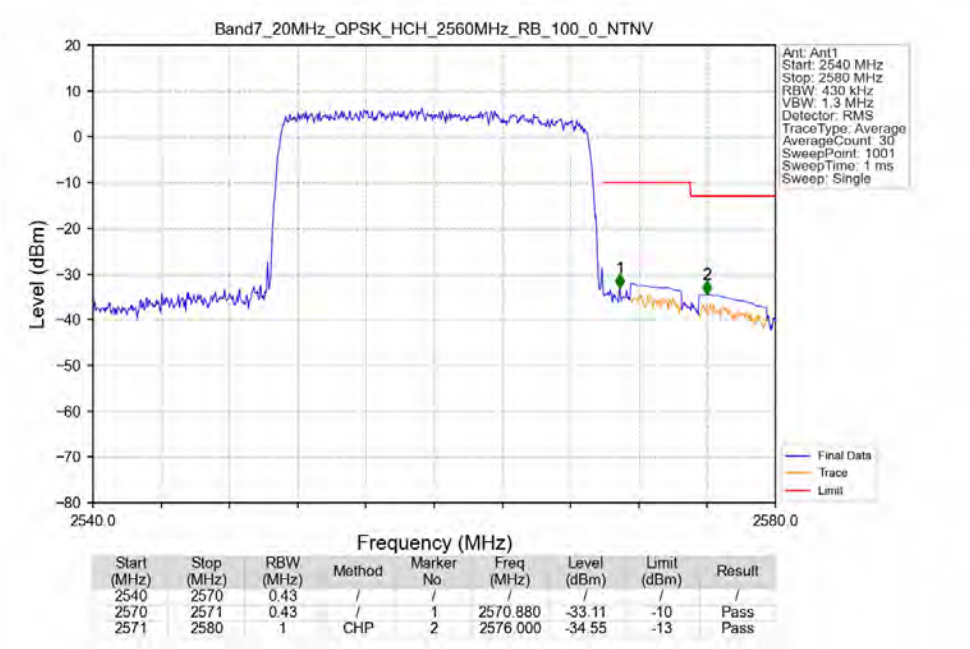


Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.43	/	/	/	/	/	/
2570	2571	0.43	/	1	2570.120	-26.05	-10	Pass
2571	2580	1	CHP	2	2577.760	-40.14	-13	Pass

Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2540	2570	0.43	/	/	/	/	/	/
2570	2571	0.43	/	1	2570.880	-33.11	-10	Pass
2571	2580	1	CHP	2	2576.000	-34.55	-13	Pass

---End of Attachment---