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	23.94	0.90	24.84	<=33.01	Pass
			13	23.84	0.90	24.74	<=33.01	Pass
			24	23.93	0.90	24.83	<=33.01	Pass
		12	0	23.34	0.90	24.24	<=33.01	Pass
			6	23.28	0.90	24.18	<=33.01	Pass
			13	23.28	0.90	24.18	<=33.01	Pass
		25	0	23.35	0.90	24.25	<=33.01	Pass
	2535	1	0	24.15	0.90	25.05	<=33.01	Pass
			13	23.70	0.90	24.60	<=33.01	Pass
			24	23.74	0.90	24.64	<=33.01	Pass
		12	0	23.09	0.90	23.99	<=33.01	Pass
			6	23.06	0.90	23.96	<=33.01	Pass
			13	23.08	0.90	23.98	<=33.01	Pass
		25	0	23.12	0.90	24.02	<=33.01	Pass
	2567.5	1	0	23.74	0.90	24.64	<=33.01	Pass
			13	23.66	0.90	24.56	<=33.01	Pass
			24	23.64	0.90	24.54	<=33.01	Pass
		12	0	23.14	0.90	24.04	<=33.01	Pass
			6	23.08	0.90	23.98	<=33.01	Pass
			13	23.06	0.90	23.96	<=33.01	Pass
		25	0	23.14	0.90	24.04	<=33.01	Pass
16QAM	2502.5	1	0	23.34	0.90	24.24	<=33.01	Pass
			13	23.26	0.90	24.16	<=33.01	Pass
			24	23.31	0.90	24.21	<=33.01	Pass
		12	0	22.26	0.90	23.16	<=33.01	Pass
			6	22.22	0.90	23.12	<=33.01	Pass
			13	22.21	0.90	23.11	<=33.01	Pass
		25	0	22.15	0.90	23.05	<=33.01	Pass
	2535	1	0	22.70	0.90	23.60	<=33.01	Pass
			13	22.63	0.90	23.53	<=33.01	Pass
			24	22.69	0.90	23.59	<=33.01	Pass
		12	0	22.12	0.90	23.02	<=33.01	Pass
			6	22.10	0.90	23.00	<=33.01	Pass
			13	22.13	0.90	23.03	<=33.01	Pass
		25	0	22.14	0.90	23.04	<=33.01	Pass
	2567.5	1	0	22.81	0.90	23.71	<=33.01	Pass
			13	22.72	0.90	23.62	<=33.01	Pass
			24	22.72	0.90	23.62	<=33.01	Pass
		12	0	22.19	0.90	23.09	<=33.01	Pass
			6	22.15	0.90	23.05	<=33.01	Pass
			13	22.11	0.90	23.01	<=33.01	Pass
		25	0	22.20	0.90	23.10	<=33.01	Pass
64QAM	2502.5	1	0	22.68	0.90	23.58	<=33.01	Pass
			13	22.50	0.90	23.40	<=33.01	Pass
			24	22.51	0.90	23.41	<=33.01	Pass
		12	0	21.24	0.90	22.14	<=33.01	Pass
			6	21.21	0.90	22.11	<=33.01	Pass
			13	21.19	0.90	22.09	<=33.01	Pass
		25	0	21.13	0.90	22.03	<=33.01	Pass

	2535	1	0	21.57	0.90	22.47	<=33.01	Pass
			13	21.52	0.90	22.42	<=33.01	Pass
			24	21.59	0.90	22.49	<=33.01	Pass
		12	0	21.16	0.90	22.06	<=33.01	Pass
			6	21.14	0.90	22.04	<=33.01	Pass
			13	21.15	0.90	22.05	<=33.01	Pass
		25	0	21.10	0.90	22.00	<=33.01	Pass
	2567.5	1	0	21.97	0.90	22.87	<=33.01	Pass
			13	21.88	0.90	22.78	<=33.01	Pass
			24	21.88	0.90	22.78	<=33.01	Pass
		12	0	21.22	0.90	22.12	<=33.01	Pass
			6	21.17	0.90	22.07	<=33.01	Pass
			13	21.15	0.90	22.05	<=33.01	Pass
		25	0	21.14	0.90	22.04	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B7_10MHz_EIRP

Band: 7 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2505	1	0	23.68	0.90	24.58	<=33.01	Pass
			25	23.58	0.90	24.48	<=33.01	Pass
			49	23.58	0.90	24.48	<=33.01	Pass
		25	0	23.16	0.90	24.06	<=33.01	Pass
			13	23.11	0.90	24.01	<=33.01	Pass
			25	23.14	0.90	24.04	<=33.01	Pass
		50	0	23.15	0.90	24.05	<=33.01	Pass
	2535	1	0	23.57	0.90	24.47	<=33.01	Pass
			25	23.60	0.90	24.50	<=33.01	Pass
			49	23.62	0.90	24.52	<=33.01	Pass
		25	0	23.09	0.90	23.99	<=33.01	Pass
			13	23.11	0.90	24.01	<=33.01	Pass
			25	23.14	0.90	24.04	<=33.01	Pass
		50	0	23.11	0.90	24.01	<=33.01	Pass
	2565	1	0	23.68	0.90	24.58	<=33.01	Pass
			25	23.60	0.90	24.50	<=33.01	Pass
			49	23.51	0.90	24.41	<=33.01	Pass
		25	0	23.24	0.90	24.14	<=33.01	Pass
			13	23.17	0.90	24.07	<=33.01	Pass
			25	23.14	0.90	24.04	<=33.01	Pass
		50	0	23.18	0.90	24.08	<=33.01	Pass
16QAM	2505	1	0	22.84	0.90	23.74	<=33.01	Pass
			25	22.78	0.90	23.68	<=33.01	Pass
			49	22.74	0.90	23.64	<=33.01	Pass
		25	0	22.16	0.90	23.06	<=33.01	Pass
			13	22.10	0.90	23.00	<=33.01	Pass
			25	22.11	0.90	23.01	<=33.01	Pass
		50	0	22.14	0.90	23.04	<=33.01	Pass
	2535	1	0	22.49	0.90	23.39	<=33.01	Pass
			25	22.52	0.90	23.42	<=33.01	Pass
			49	22.54	0.90	23.44	<=33.01	Pass
		25	0	22.12	0.90	23.02	<=33.01	Pass
			13	22.14	0.90	23.04	<=33.01	Pass
			25	22.16	0.90	23.06	<=33.01	Pass
		50	0	22.11	0.90	23.01	<=33.01	Pass
	2565	1	0	22.90	0.90	23.80	<=33.01	Pass

			25	22.83	0.90	23.73	<=33.01	Pass
			49	22.73	0.90	23.63	<=33.01	Pass
		25	0	22.25	0.90	23.15	<=33.01	Pass
			13	22.19	0.90	23.09	<=33.01	Pass
			25	22.17	0.90	23.07	<=33.01	Pass
		50	0	22.18	0.90	23.08	<=33.01	Pass
64QAM	2505	1	0	21.61	0.90	22.51	<=33.01	Pass
			25	21.51	0.90	22.41	<=33.01	Pass
			49	21.50	0.90	22.40	<=33.01	Pass
		25	0	21.15	0.90	22.05	<=33.01	Pass
			13	21.10	0.90	22.00	<=33.01	Pass
			25	21.10	0.90	22.00	<=33.01	Pass
		50	0	21.12	0.90	22.02	<=33.01	Pass
	2535	1	0	21.87	0.90	22.77	<=33.01	Pass
			25	21.92	0.90	22.82	<=33.01	Pass
			49	21.96	0.90	22.86	<=33.01	Pass
		25	0	21.06	0.90	21.96	<=33.01	Pass
			13	21.07	0.90	21.97	<=33.01	Pass
			25	21.10	0.90	22.00	<=33.01	Pass
		50	0	21.08	0.90	21.98	<=33.01	Pass
	2565	1	0	21.71	0.90	22.61	<=33.01	Pass
			25	21.65	0.90	22.55	<=33.01	Pass
			49	21.57	0.90	22.47	<=33.01	Pass
		25	0	21.16	0.90	22.06	<=33.01	Pass
			13	21.09	0.90	21.99	<=33.01	Pass
			25	21.10	0.90	22.00	<=33.01	Pass
		50	0	21.17	0.90	22.07	<=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	23.70	0.90	24.60	<=33.01	Pass
			38	23.59	0.90	24.49	<=33.01	Pass
			74	23.54	0.90	24.44	<=33.01	Pass
		36	0	23.12	0.90	24.02	<=33.01	Pass
			18	23.08	0.90	23.98	<=33.01	Pass
			39	23.06	0.90	23.96	<=33.01	Pass
		75	0	23.14	0.90	24.04	<=33.01	Pass
	2535	1	0	23.64	0.90	24.54	<=33.01	Pass
			38	23.64	0.90	24.54	<=33.01	Pass
			74	23.65	0.90	24.55	<=33.01	Pass
		36	0	23.08	0.90	23.98	<=33.01	Pass
			18	23.06	0.90	23.96	<=33.01	Pass
			39	23.12	0.90	24.02	<=33.01	Pass
		75	0	23.13	0.90	24.03	<=33.01	Pass
	2562.5	1	0	23.73	0.90	24.63	<=33.01	Pass
			38	23.70	0.90	24.60	<=33.01	Pass
			74	23.57	0.90	24.47	<=33.01	Pass
		36	0	23.23	0.90	24.13	<=33.01	Pass
			18	23.15	0.90	24.05	<=33.01	Pass
			39	23.12	0.90	24.02	<=33.01	Pass
		75	0	23.21	0.90	24.11	<=33.01	Pass
16QAM	2507.5	1	0	22.88	0.90	23.78	<=33.01	Pass
			38	22.75	0.90	23.65	<=33.01	Pass

			74	22.69	0.90	23.59	<=33.01	Pass
		36	0	22.15	0.90	23.05	<=33.01	Pass
			18	22.10	0.90	23.00	<=33.01	Pass
			39	22.05	0.90	22.95	<=33.01	Pass
		75	0	22.10	0.90	23.00	<=33.01	Pass
	2535	1	0	22.54	0.90	23.44	<=33.01	Pass
			38	22.56	0.90	23.46	<=33.01	Pass
			74	22.57	0.90	23.47	<=33.01	Pass
		36	0	22.09	0.90	22.99	<=33.01	Pass
			18	22.06	0.90	22.96	<=33.01	Pass
			39	22.11	0.90	23.01	<=33.01	Pass
		75	0	22.17	0.90	23.07	<=33.01	Pass
	2562.5	1	0	23.00	0.90	23.90	<=33.01	Pass
			38	22.94	0.90	23.84	<=33.01	Pass
			74	22.80	0.90	23.70	<=33.01	Pass
		36	0	22.28	0.90	23.18	<=33.01	Pass
			18	22.22	0.90	23.12	<=33.01	Pass
			39	22.18	0.90	23.08	<=33.01	Pass
		75	0	22.21	0.90	23.11	<=33.01	Pass
64QAM	2507.5	1	0	21.65	0.90	22.55	<=33.01	Pass
			38	21.52	0.90	22.42	<=33.01	Pass
			74	21.46	0.90	22.36	<=33.01	Pass
		36	0	21.18	0.90	22.08	<=33.01	Pass
			18	21.13	0.90	22.03	<=33.01	Pass
			39	21.09	0.90	21.99	<=33.01	Pass
		75	0	21.14	0.90	22.04	<=33.01	Pass
	2535	1	0	21.94	0.90	22.84	<=33.01	Pass
			38	21.97	0.90	22.87	<=33.01	Pass
			74	21.97	0.90	22.87	<=33.01	Pass
		36	0	21.12	0.90	22.02	<=33.01	Pass
			18	21.07	0.90	21.97	<=33.01	Pass
			39	21.14	0.90	22.04	<=33.01	Pass
		75	0	21.18	0.90	22.08	<=33.01	Pass
	2562.5	1	0	22.10	0.90	23.00	<=33.01	Pass
			38	22.02	0.90	22.92	<=33.01	Pass
			74	21.90	0.90	22.80	<=33.01	Pass
		36	0	21.26	0.90	22.16	<=33.01	Pass
			18	21.19	0.90	22.09	<=33.01	Pass
			39	21.14	0.90	22.04	<=33.01	Pass
		75	0	21.24	0.90	22.14	<=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	23.78	0.90	24.68	<=33.01	Pass
			50	23.69	0.90	24.59	<=33.01	Pass
			99	23.64	0.90	24.54	<=33.01	Pass
		50	0	23.17	0.90	24.07	<=33.01	Pass
			25	23.13	0.90	24.03	<=33.01	Pass
			50	23.06	0.90	23.96	<=33.01	Pass
		100	0	23.11	0.90	24.01	<=33.01	Pass
	2535	1	0	23.48	0.90	24.38	<=33.01	Pass
			50	23.52	0.90	24.42	<=33.01	Pass
			99	23.54	0.90	24.44	<=33.01	Pass

		50	0	23.18	0.90	24.08	<=33.01	Pass
			25	23.17	0.90	24.07	<=33.01	Pass
			50	23.23	0.90	24.13	<=33.01	Pass
		100	0	23.15	0.90	24.05	<=33.01	Pass
	2560	1	0	23.80	0.90	24.70	<=33.01	Pass
			50	23.80	0.90	24.70	<=33.01	Pass
			99	23.62	0.90	24.52	<=33.01	Pass
		50	0	23.32	0.90	24.22	<=33.01	Pass
			25	23.27	0.90	24.17	<=33.01	Pass
			50	23.19	0.90	24.09	<=33.01	Pass
		100	0	23.26	0.90	24.16	<=33.01	Pass
16QAM	2510	1	0	22.88	0.90	23.78	<=33.01	Pass
			50	22.79	0.90	23.69	<=33.01	Pass
			99	22.72	0.90	23.62	<=33.01	Pass
		50	0	22.18	0.90	23.08	<=33.01	Pass
			25	22.12	0.90	23.02	<=33.01	Pass
			50	22.05	0.90	22.95	<=33.01	Pass
		100	0	22.08	0.90	22.98	<=33.01	Pass
	2535	1	0	22.70	0.90	23.60	<=33.01	Pass
			50	22.76	0.90	23.66	<=33.01	Pass
			99	22.79	0.90	23.69	<=33.01	Pass
		50	0	22.22	0.90	23.12	<=33.01	Pass
			25	22.21	0.90	23.11	<=33.01	Pass
			50	22.27	0.90	23.17	<=33.01	Pass
		100	0	22.16	0.90	23.06	<=33.01	Pass
	2560	1	0	22.95	0.90	23.85	<=33.01	Pass
			50	22.92	0.90	23.82	<=33.01	Pass
			99	22.78	0.90	23.68	<=33.01	Pass
		50	0	22.32	0.90	23.22	<=33.01	Pass
			25	22.26	0.90	23.16	<=33.01	Pass
			50	22.19	0.90	23.09	<=33.01	Pass
		100	0	22.25	0.90	23.15	<=33.01	Pass
64QAM	2510	1	0	22.07	0.90	22.97	<=33.01	Pass
			50	21.94	0.90	22.84	<=33.01	Pass
			99	21.88	0.90	22.78	<=33.01	Pass
		50	0	21.17	0.90	22.07	<=33.01	Pass
			25	21.12	0.90	22.02	<=33.01	Pass
			50	21.08	0.90	21.98	<=33.01	Pass
		100	0	21.07	0.90	21.97	<=33.01	Pass
	2535	1	0	21.59	0.90	22.49	<=33.01	Pass
			50	21.64	0.90	22.54	<=33.01	Pass
			99	21.66	0.90	22.56	<=33.01	Pass
		50	0	21.17	0.90	22.07	<=33.01	Pass
			25	21.16	0.90	22.06	<=33.01	Pass
			50	21.22	0.90	22.12	<=33.01	Pass
		100	0	21.16	0.90	22.06	<=33.01	Pass
	2560	1	0	22.08	0.90	22.98	<=33.01	Pass
			50	22.06	0.90	22.96	<=33.01	Pass
			99	21.92	0.90	22.82	<=33.01	Pass
		50	0	21.32	0.90	22.22	<=33.01	Pass
			25	21.26	0.90	22.16	<=33.01	Pass
			50	21.19	0.90	22.09	<=33.01	Pass
		100	0	21.25	0.90	22.15	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B7_10MHz

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2535	50	0	20	3.6	-13.590	-0.0054	-2.5 to 2.5	Pass
					3.85	-5.608	-0.0022	-2.5 to 2.5	Pass
					4.3	-6.881	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-5.364	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-3.462	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-5.393	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-9.985	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-1.903	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-8.783	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-6.351	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-7.868	-0.0031	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band7_OBW

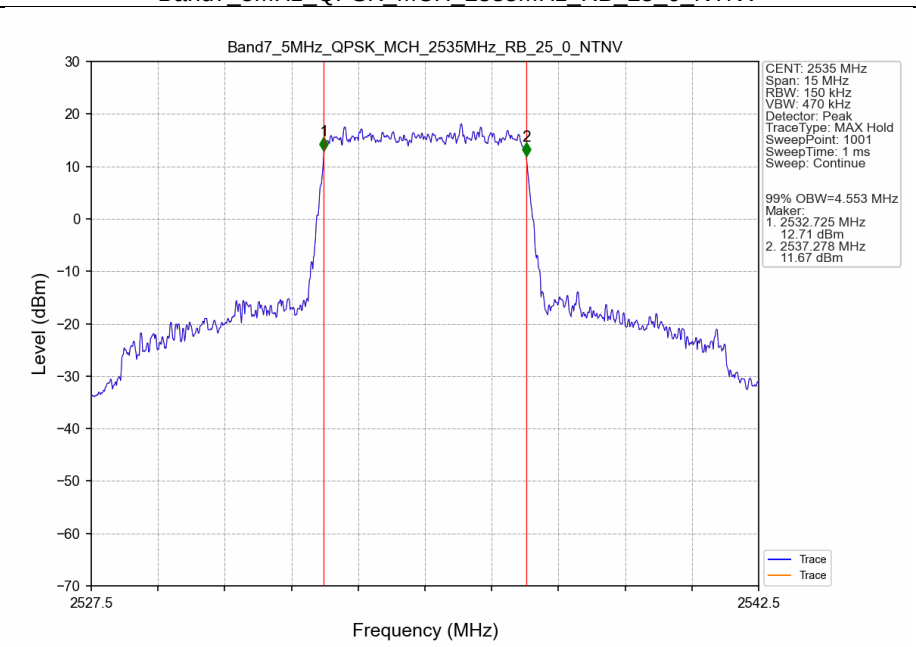
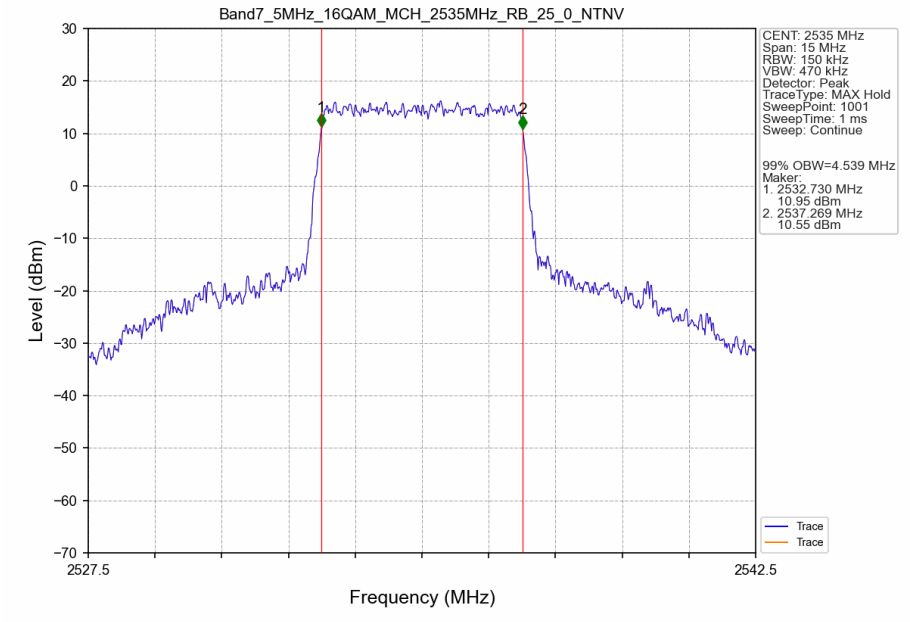
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	4.553	/	Pass
	16QAM	2535	25	0	4.539	/	Pass
10	QPSK	2535	50	0	9.089	/	Pass
	16QAM	2535	50	0	9.078	/	Pass
15	QPSK	2535	75	0	13.609	/	Pass
	16QAM	2535	75	0	13.599	/	Pass
20	QPSK	2535	100	0	18.149	/	Pass
	16QAM	2535	100	0	18.166	/	Pass

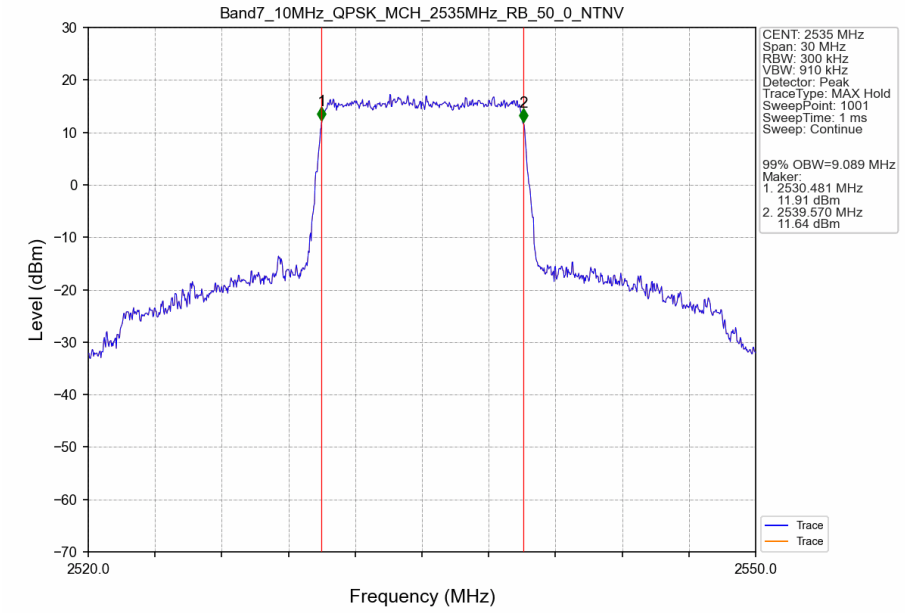
3.1.2 Band7_XDB

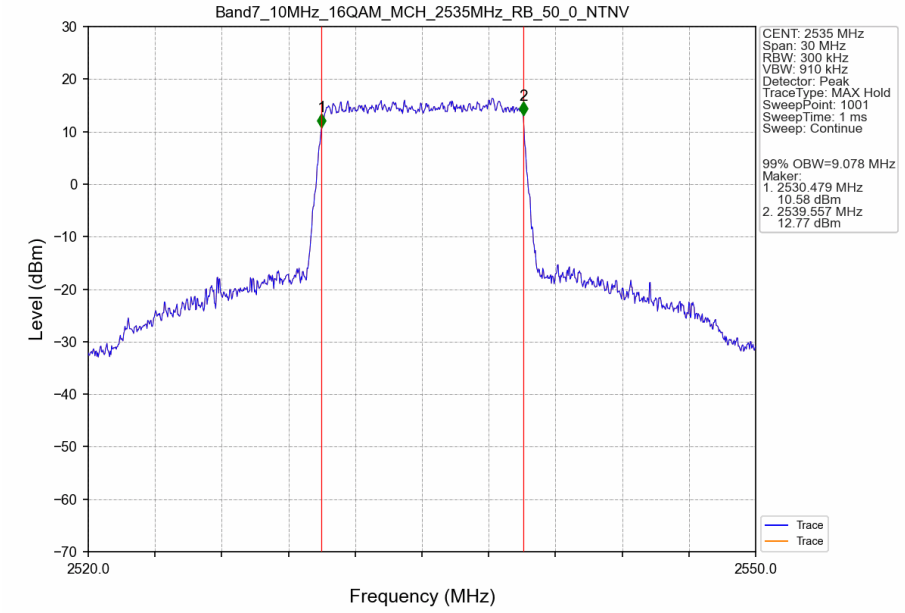
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	5.051	/	Pass
	16QAM	2535	25	0	5.052	/	Pass
10	QPSK	2535	50	0	9.997	/	Pass
	16QAM	2535	50	0	9.980	/	Pass
15	QPSK	2535	75	0	14.943	/	Pass
	16QAM	2535	75	0	14.974	/	Pass
20	QPSK	2535	100	0	19.683	/	Pass
	16QAM	2535	100	0	19.895	/	Pass

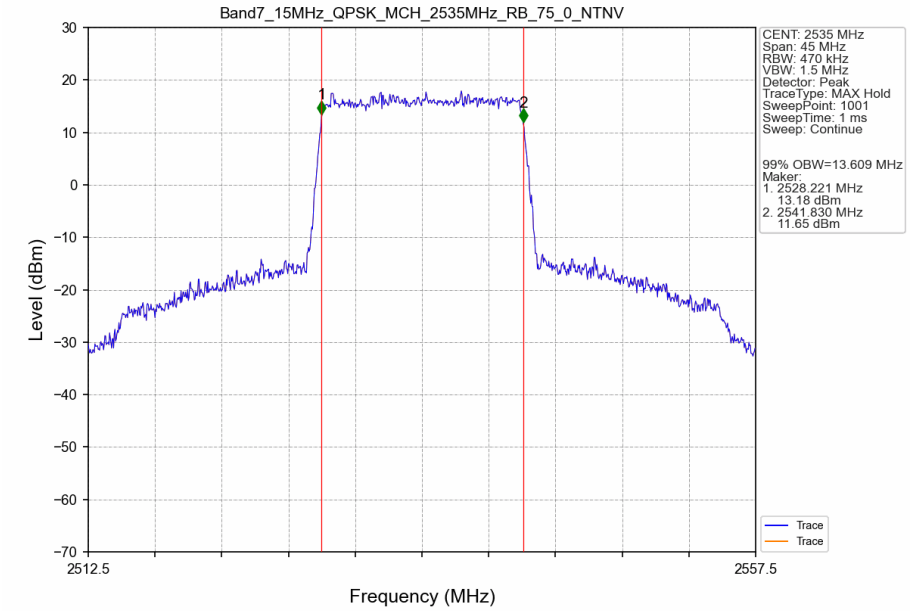
3.2 Test Graph

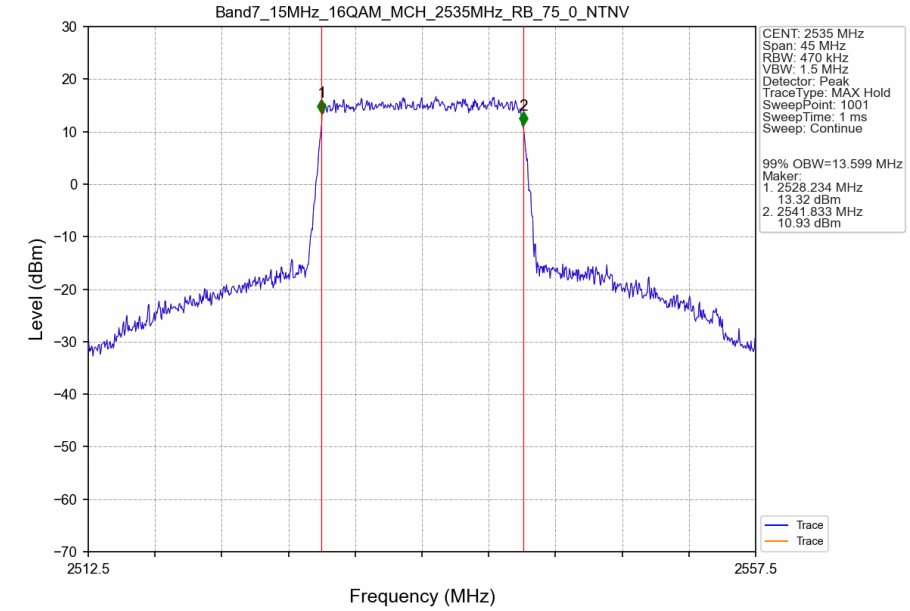
3.2.1 Band7_OBW

Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV

Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV


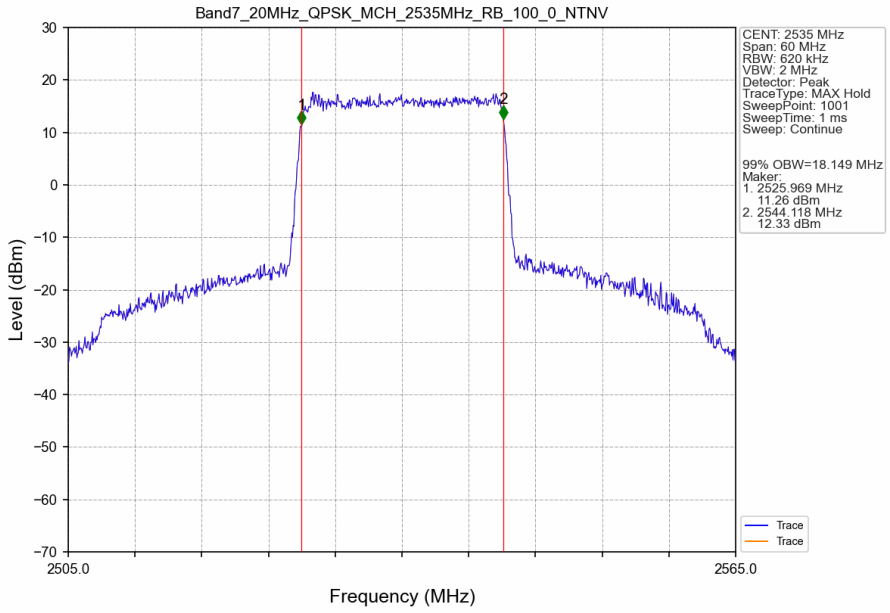
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV


Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV


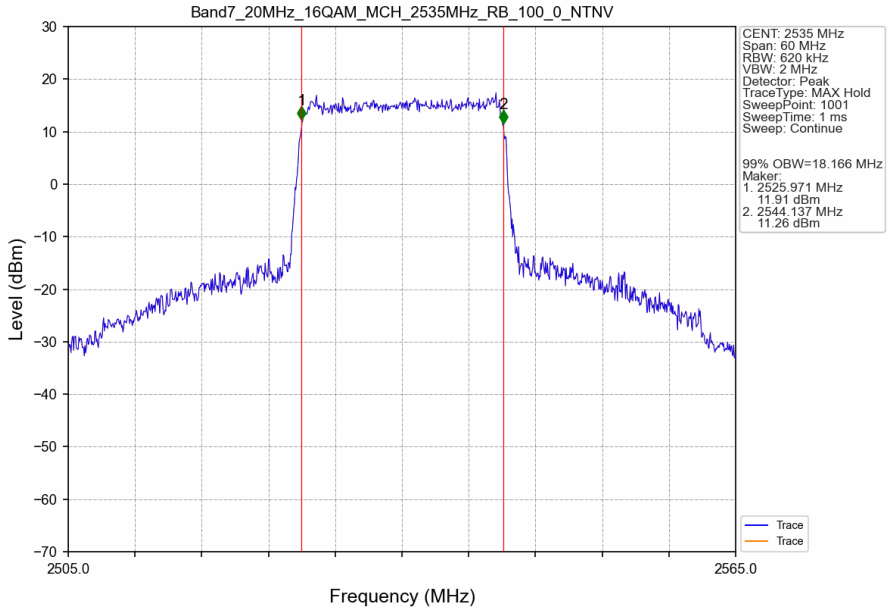
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV


Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV


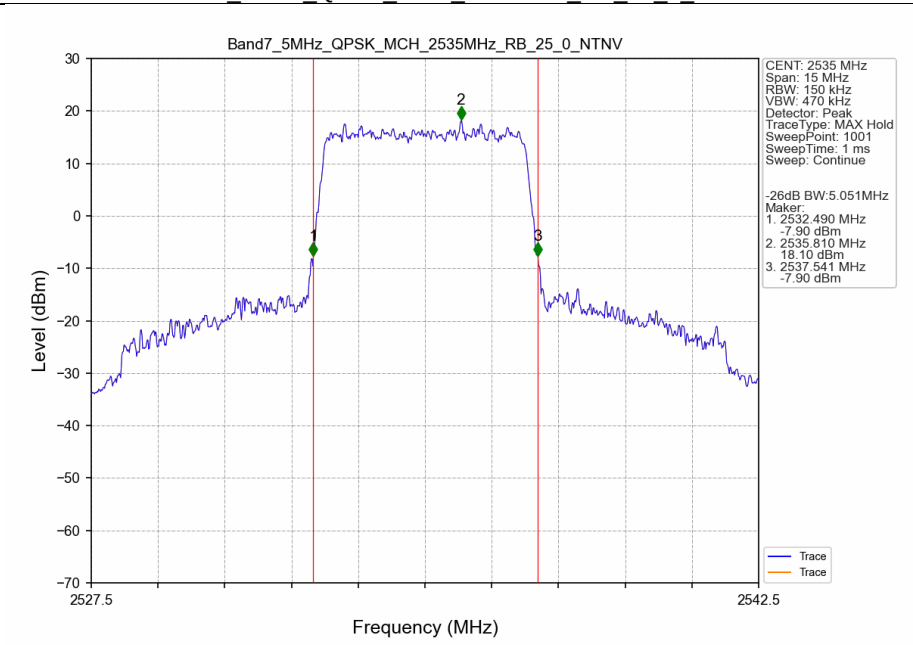
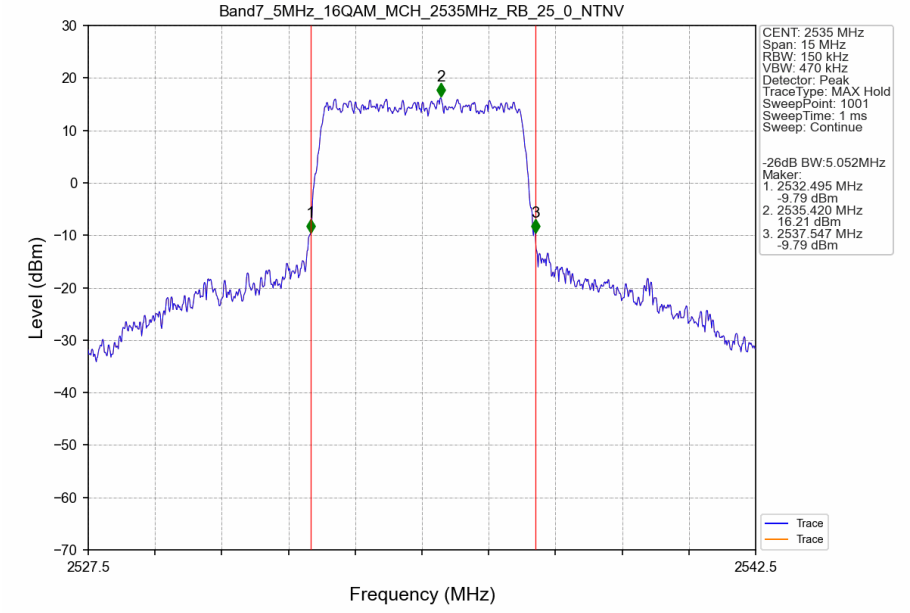
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



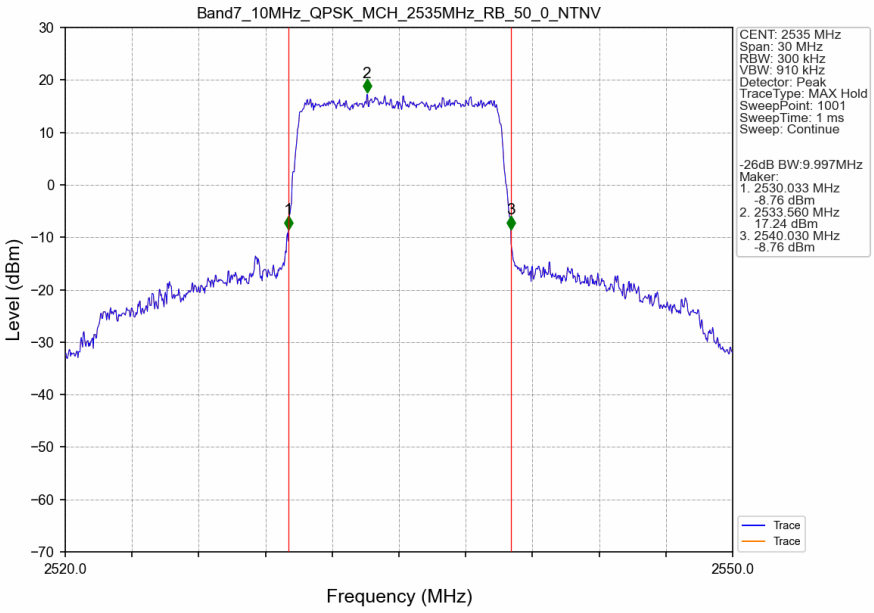
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



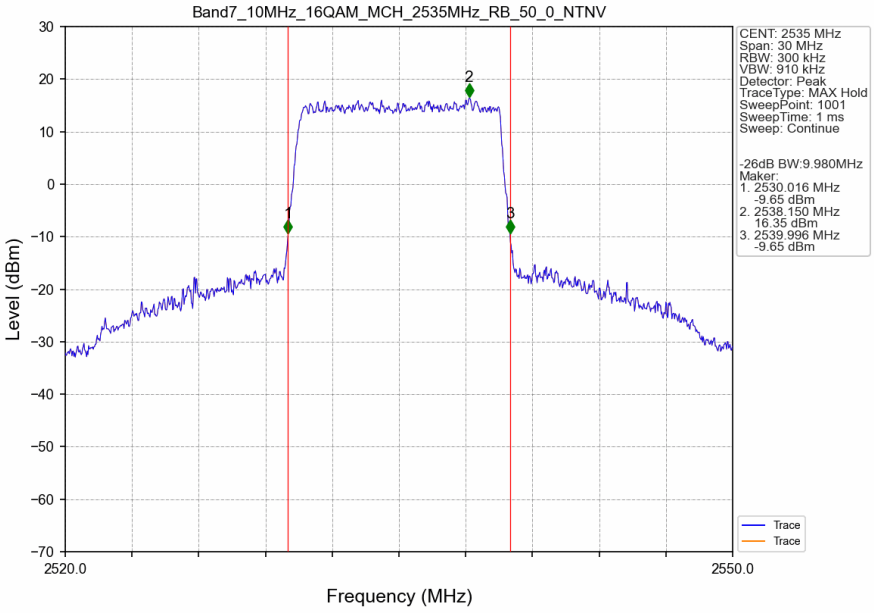
3.2.2 Band7_XDB

Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV

Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV


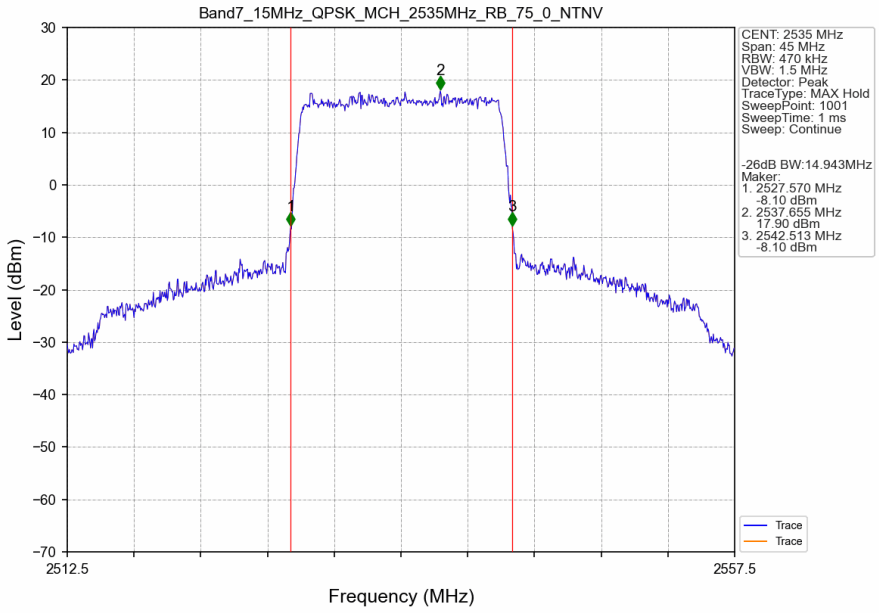
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



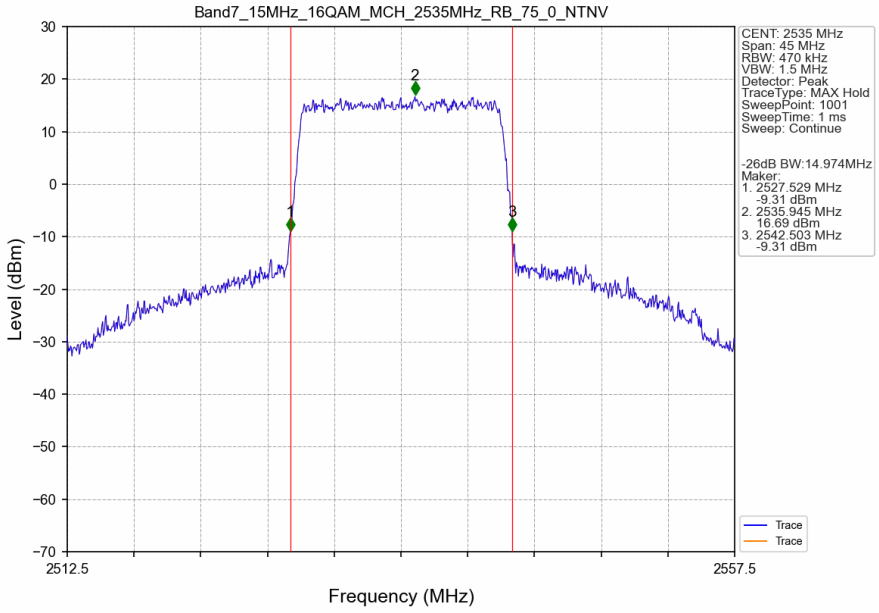
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



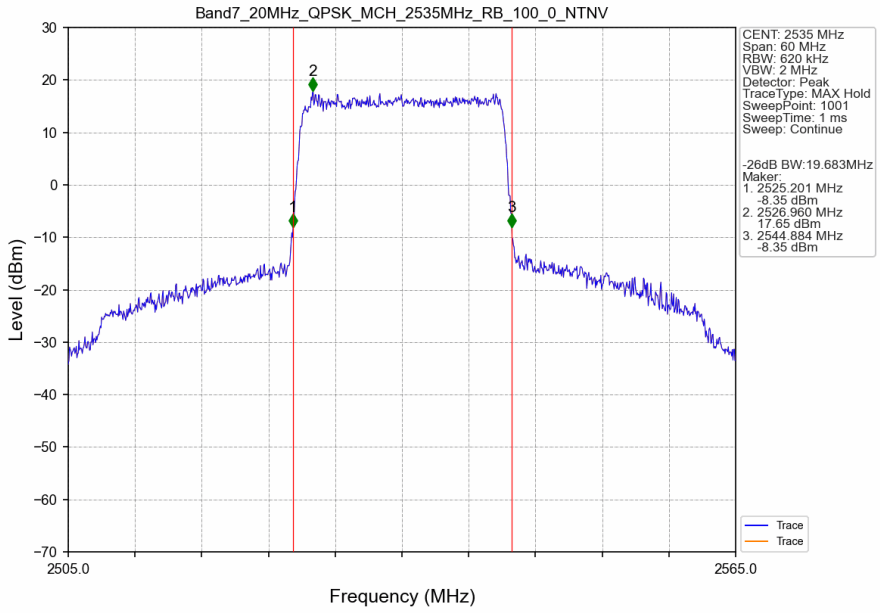
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



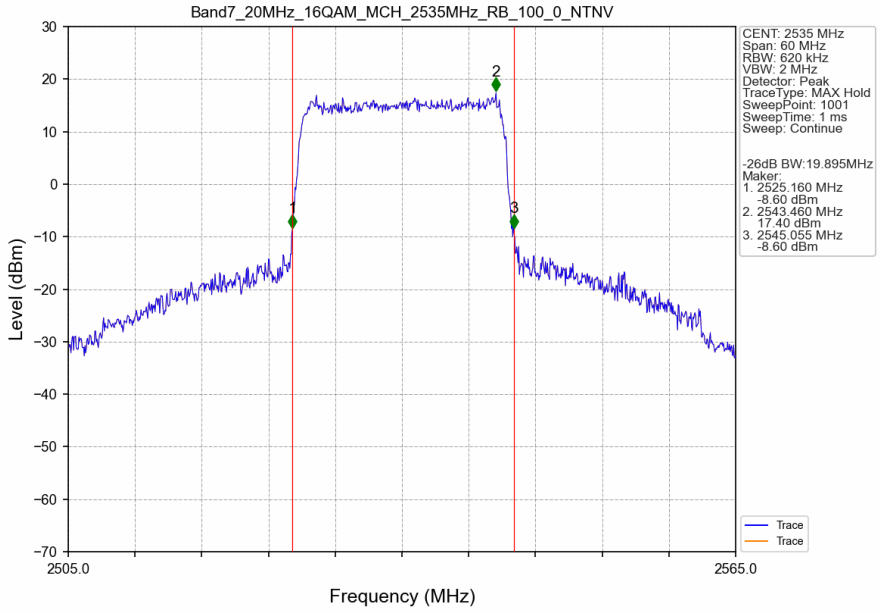
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

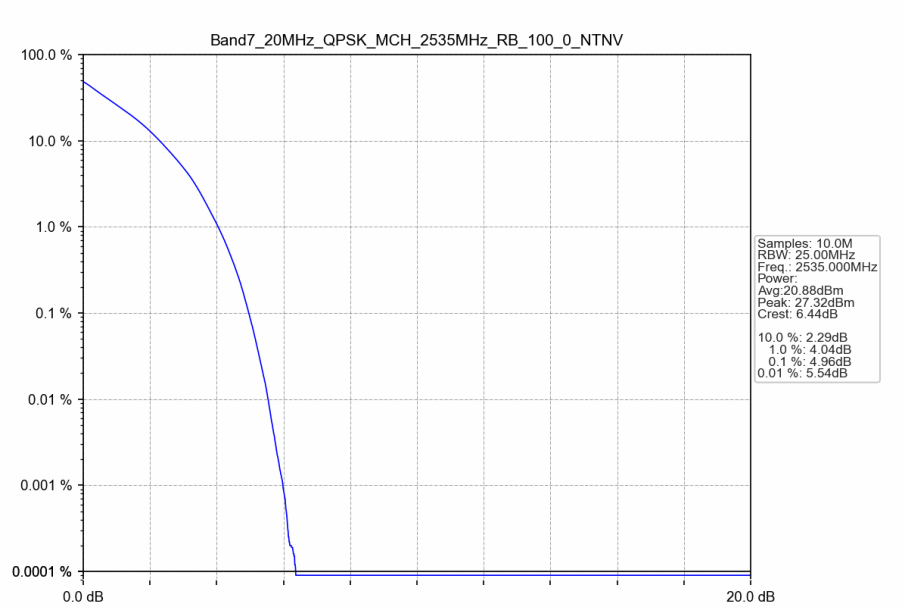
4.1.1 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	4.96	<=13	Pass
16QAM	2535	100	0	5.73	<=13	Pass
64QAM	2535	100	0	6.19	<=13	Pass

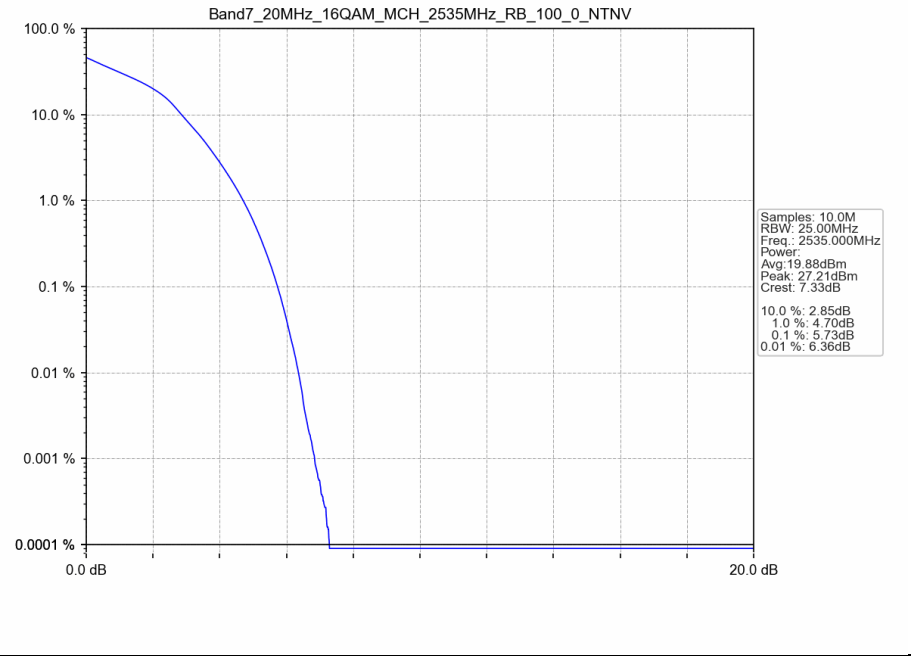
4.2 Test Graph

4.2.1 B7_20MHz

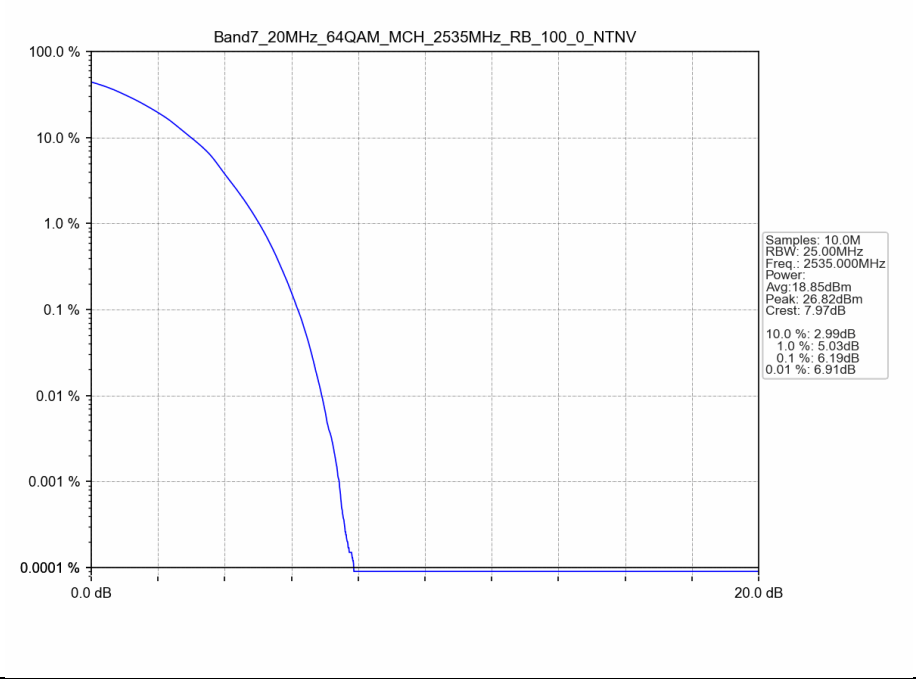
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_64QAM_MCH_2535MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 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

5.1.2 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

5.1.3 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

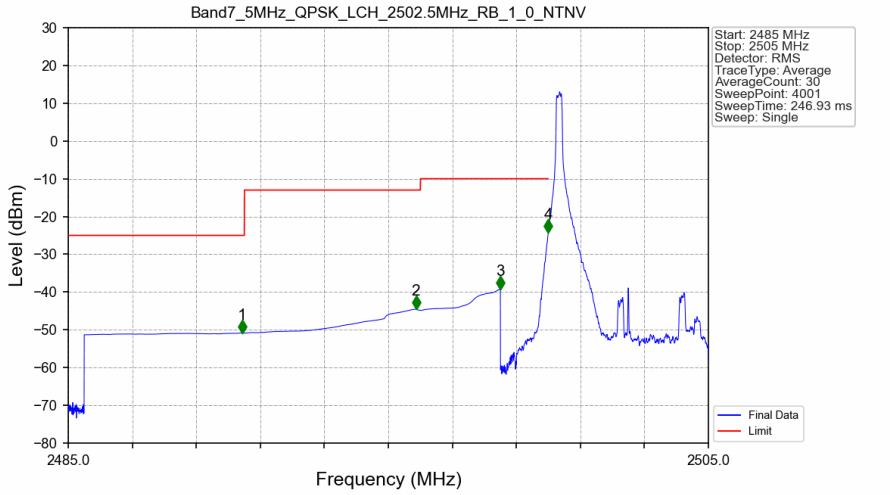
5.1.4 B7_20MHz

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

5.2 Test Graph

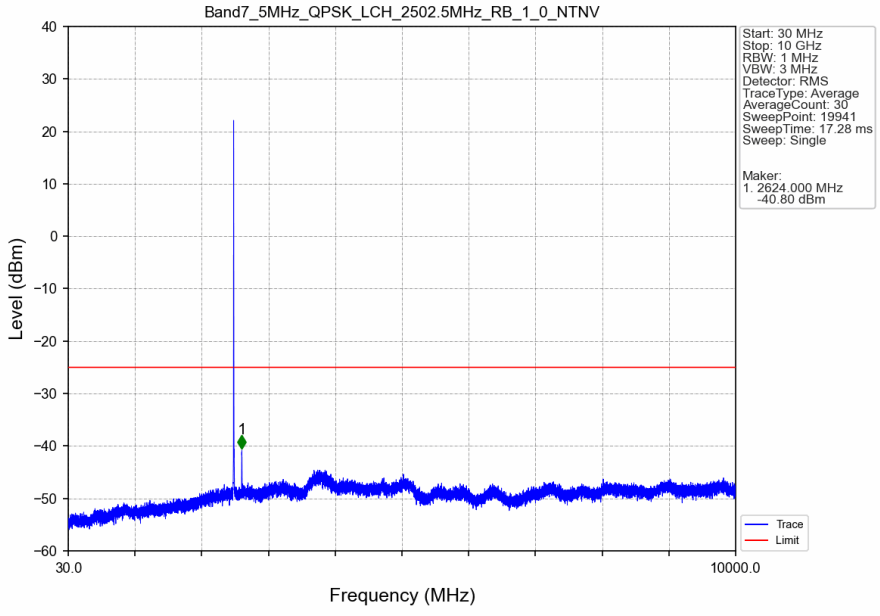
5.2.1 B7_5MHz

Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

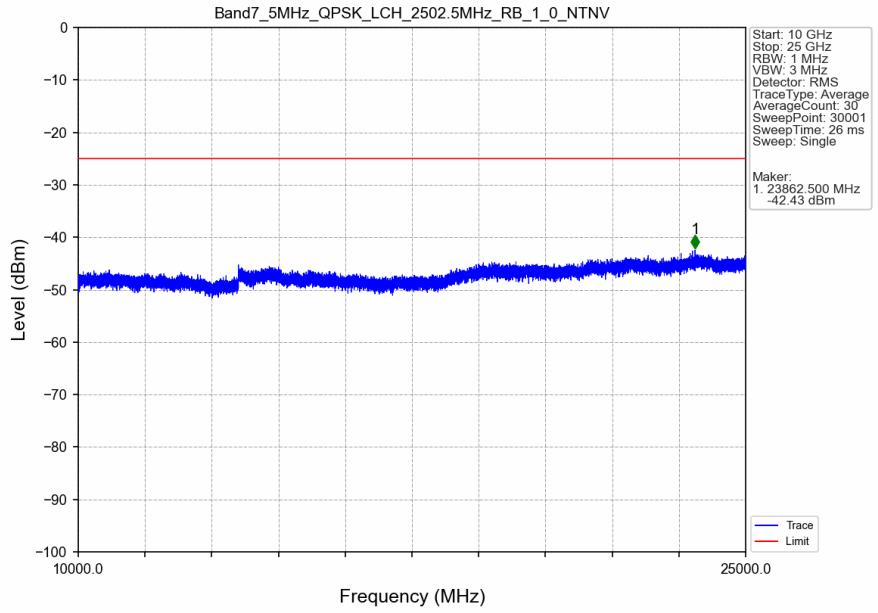


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.435	-50.85	-25	Pass
2490.5	2496	1	CHP	2	2495.865	-44.51	-13	Pass
2496	2499	1	CHP	3	2498.500	-39.29	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-24.28	-10	Pass
2500	2505	0.02	CHP	/	/	/	/	/

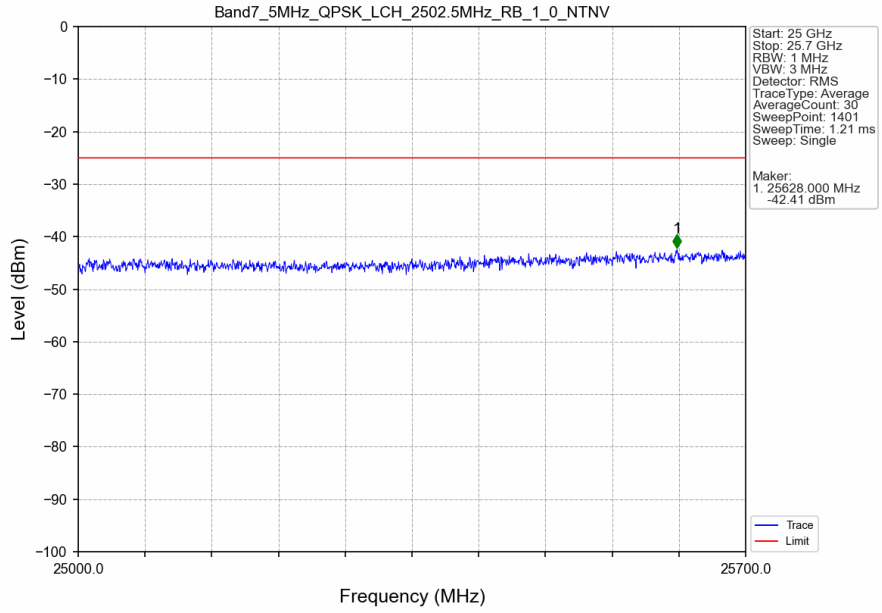
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



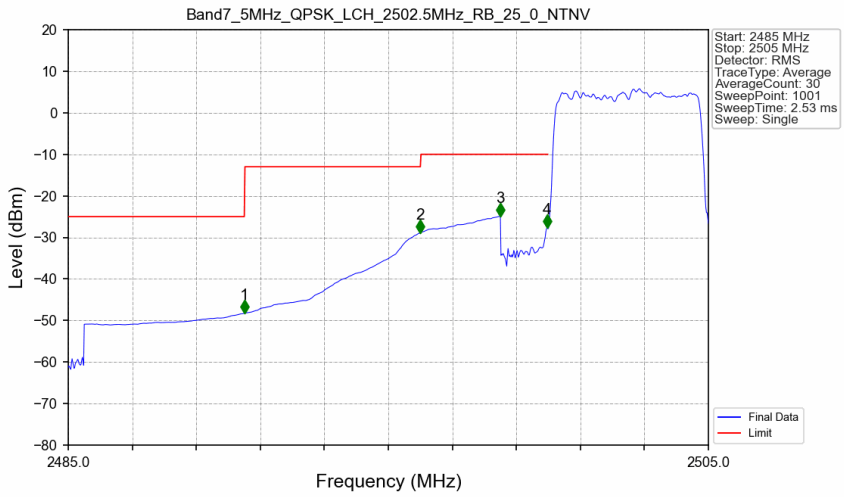
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

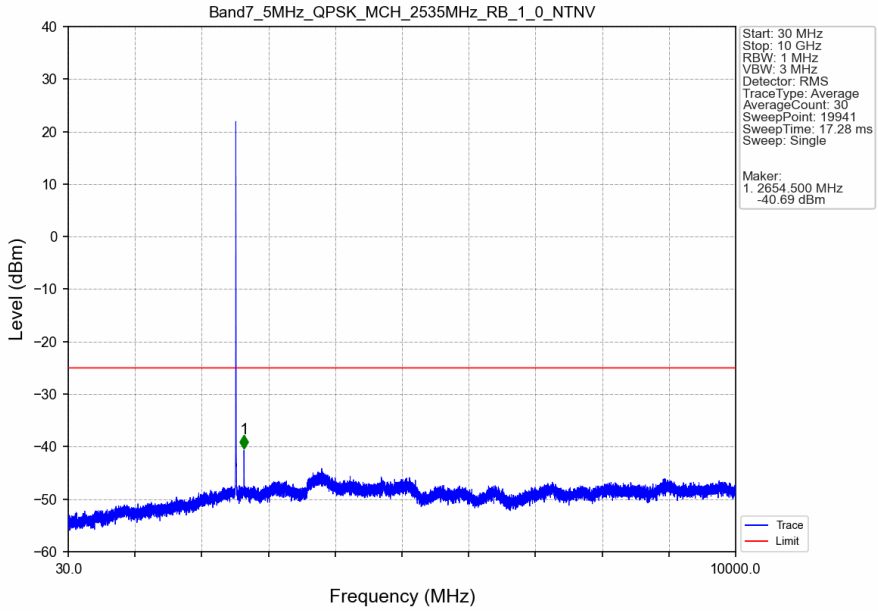


Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV

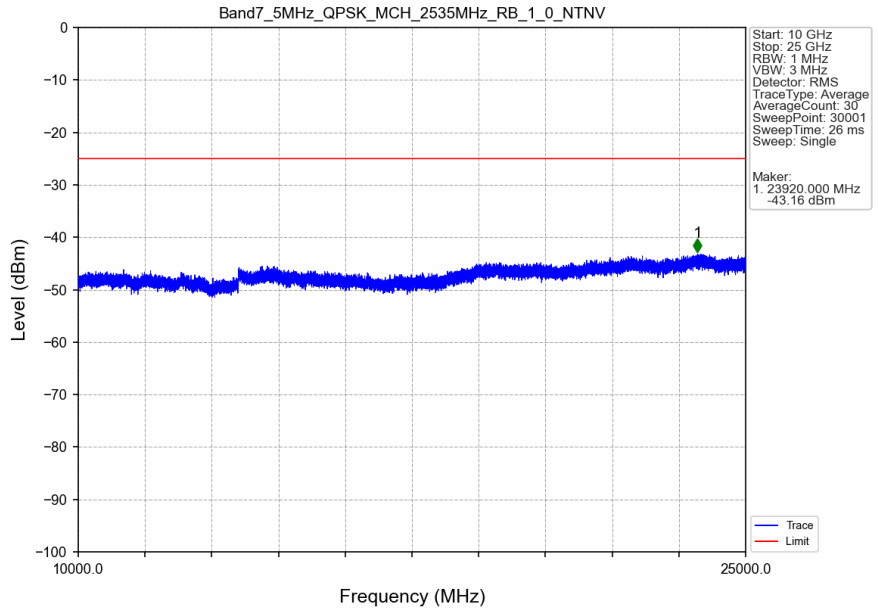


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-48.28	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-28.90	-13	Pass
2496	2499	1	CHP	3	2498.500	-24.93	-10	Pass
2499	2500	0.101	CHP	4	2499.960	-27.75	-10	Pass
2500	2505	0.101	CHP	/	/	/	/	/

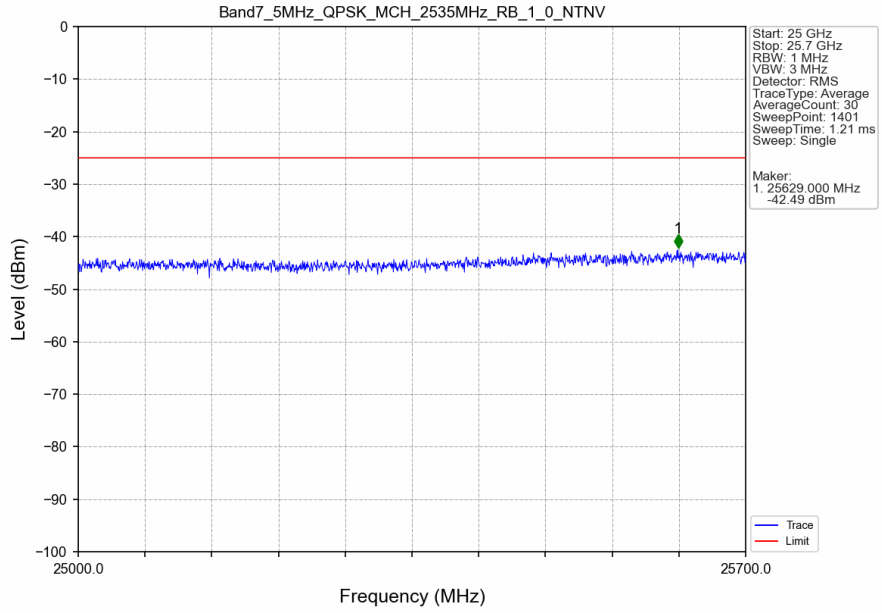
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



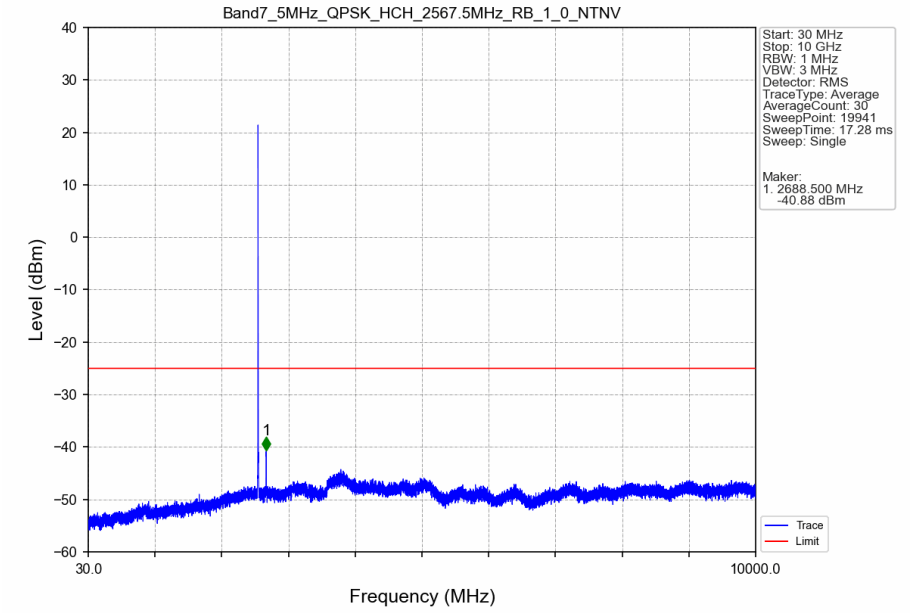
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



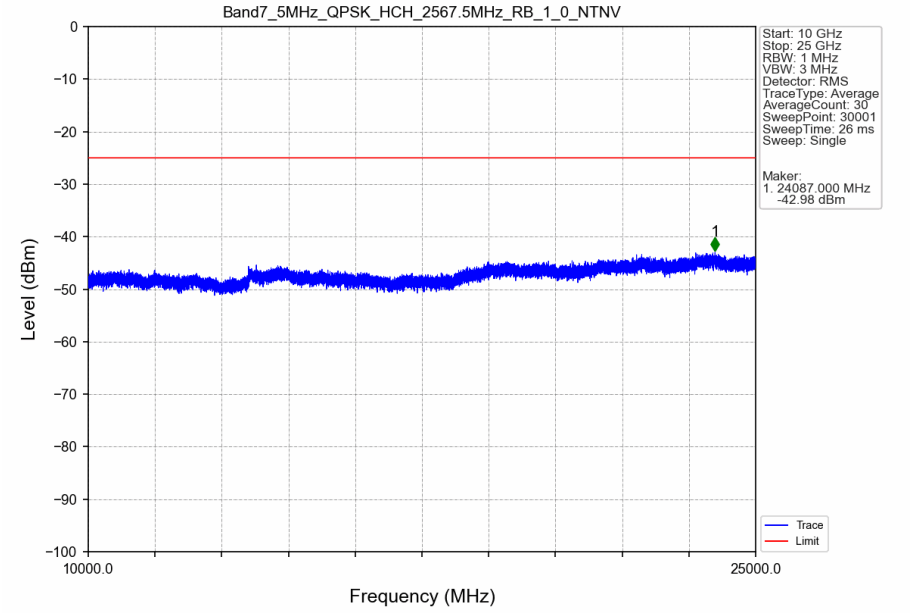
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



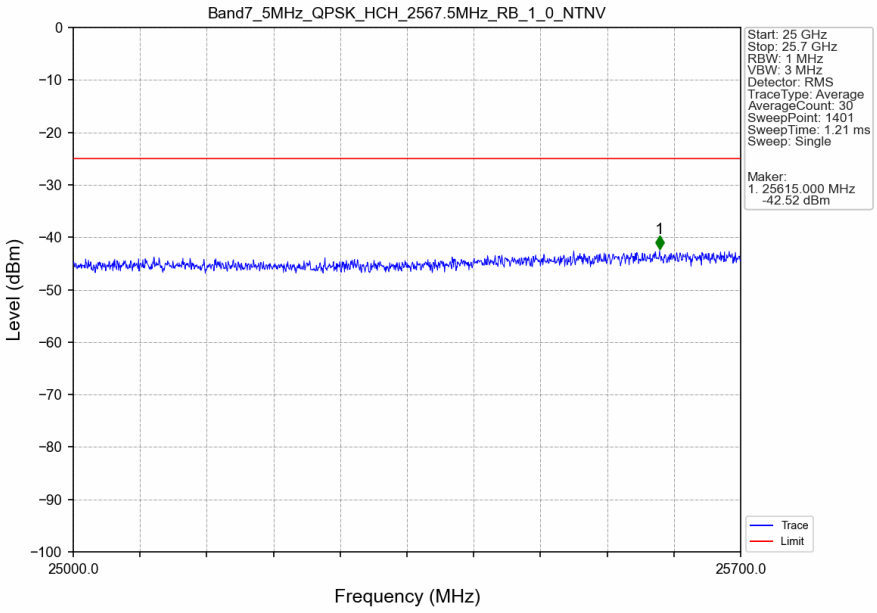
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



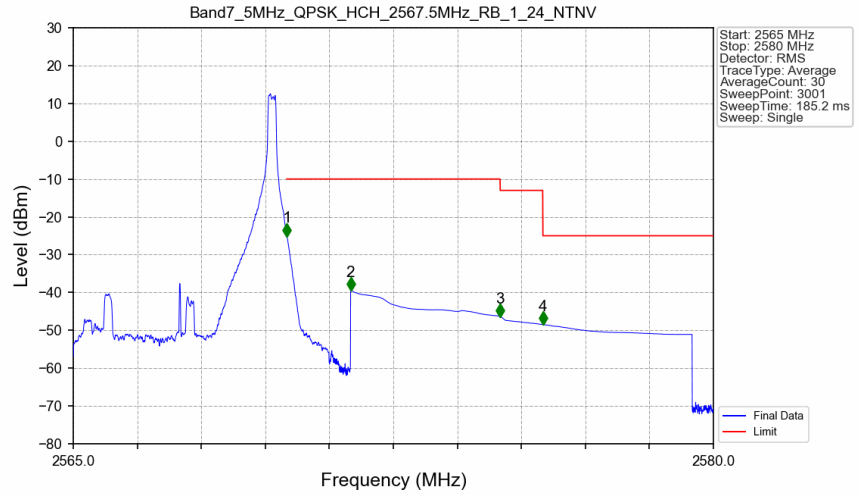
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV

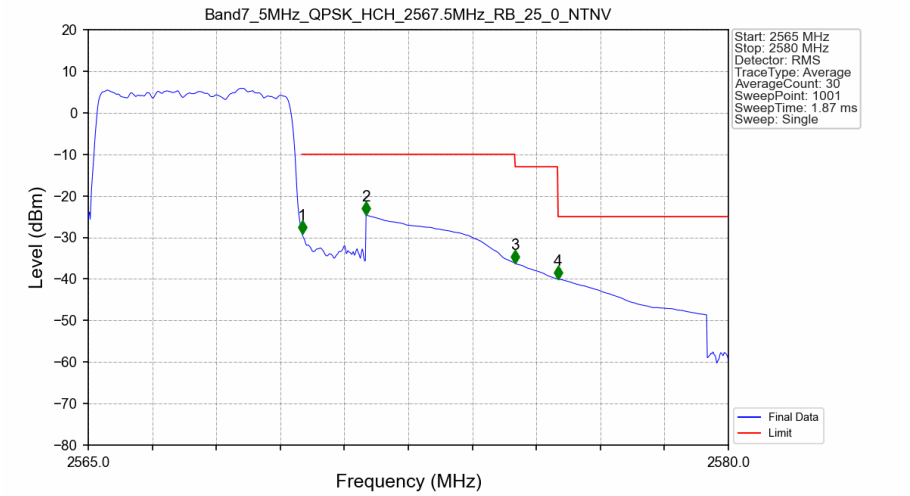


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-25.14	-10	Pass
2571	2575	1	CHP	2	2571.500	-39.52	-10	Pass
2575	2576	1	CHP	3	2575.005	-46.40	-13	Pass
2576	2580	1	CHP	4	2576.005	-48.49	-25	Pass

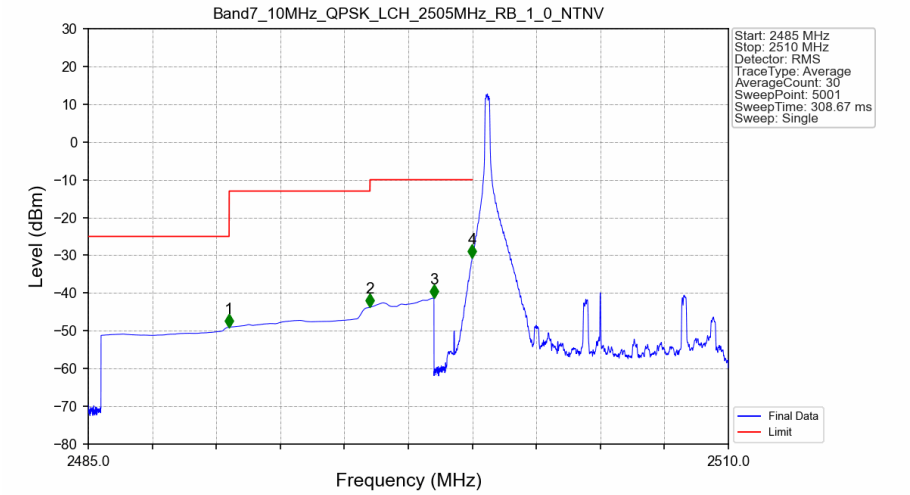
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.101	CHP	/	/	/	/	/
2570	2571	0.101	CHP	1	2570.010	-29.16	-10	Pass
2571	2575	1	CHP	2	2571.510	-24.64	-10	Pass
2575	2576	1	CHP	3	2575.005	-36.24	-13	Pass
2576	2580	1	CHP	4	2576.010	-40.06	-25	Pass

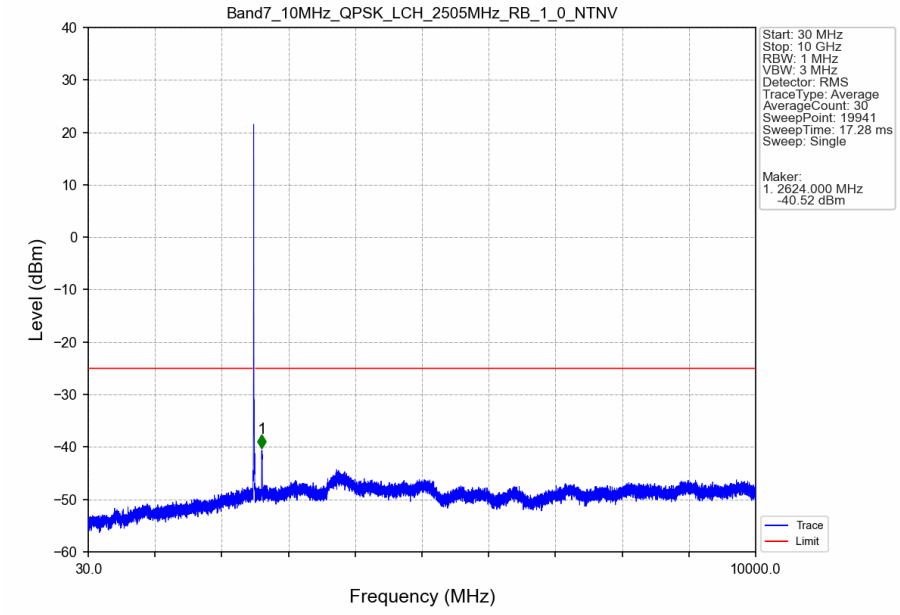
5.2.2 B7_10MHz

Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

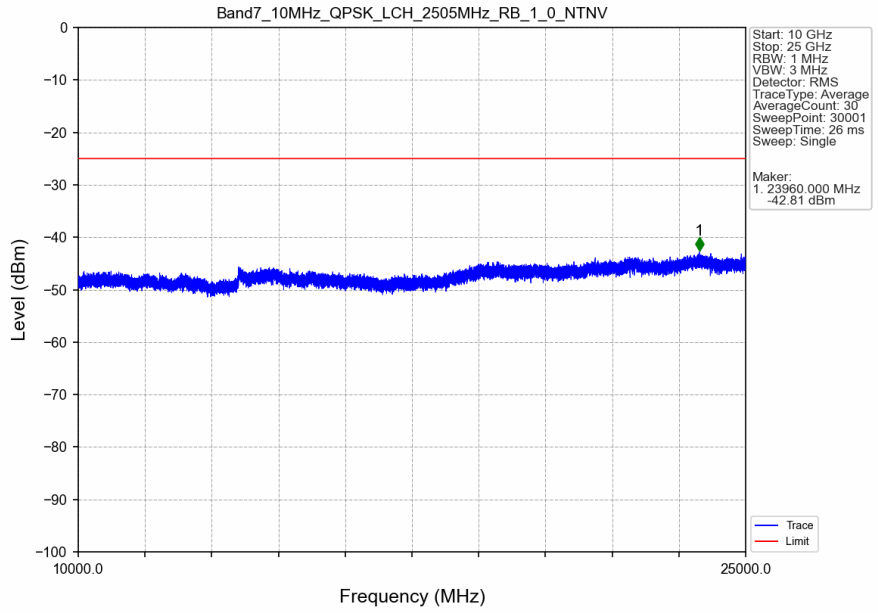


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.495	-49.05	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-43.72	-13	Pass
2496	2499	1	CHP	3	2498.500	-41.23	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-30.64	-10	Pass
2500	2510	0.02	CHP	/	/	/	/	/

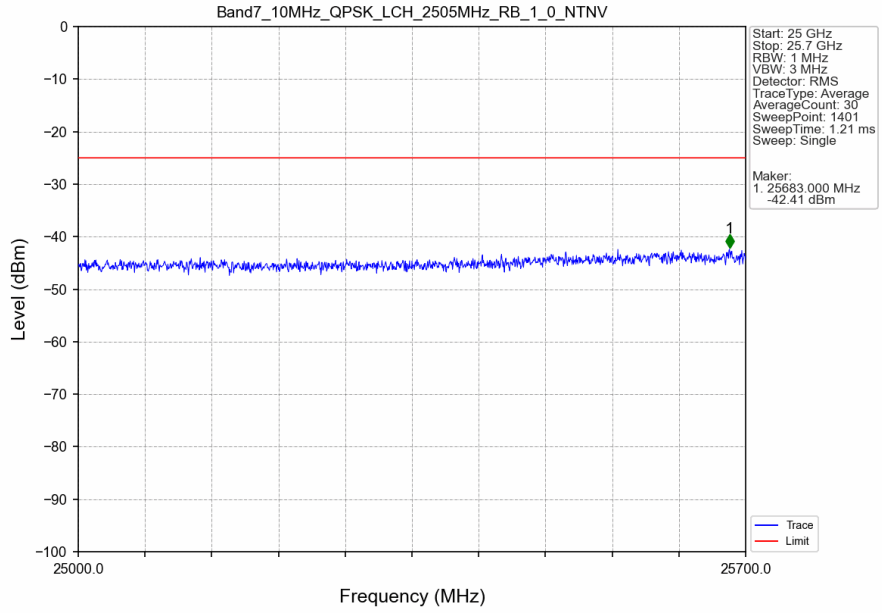
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



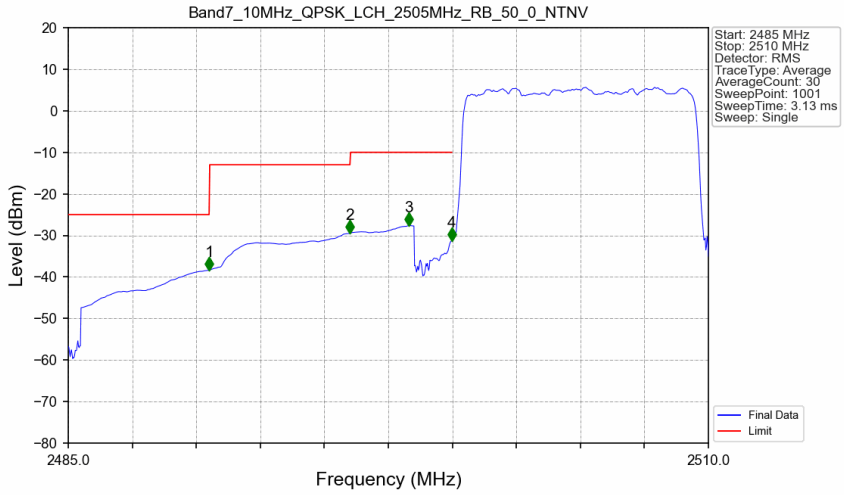
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

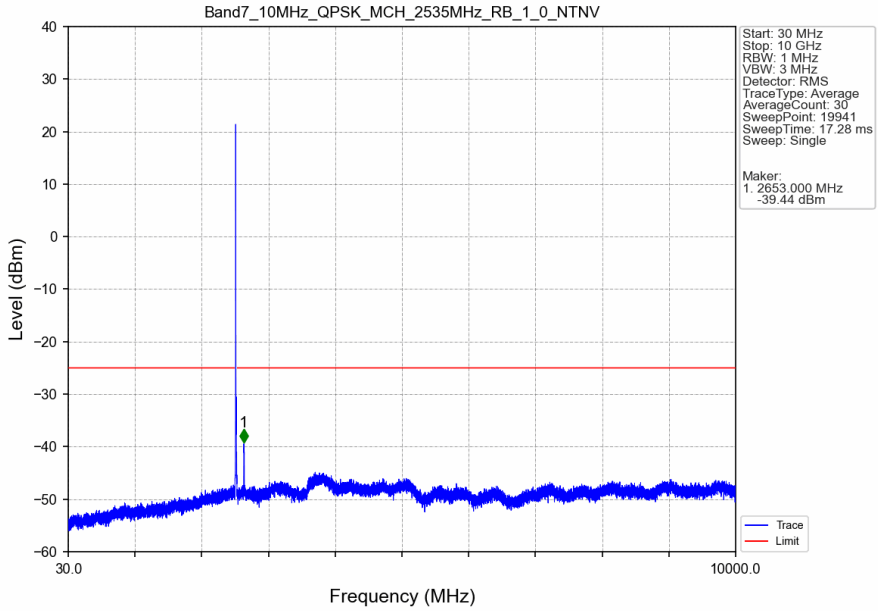


Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV

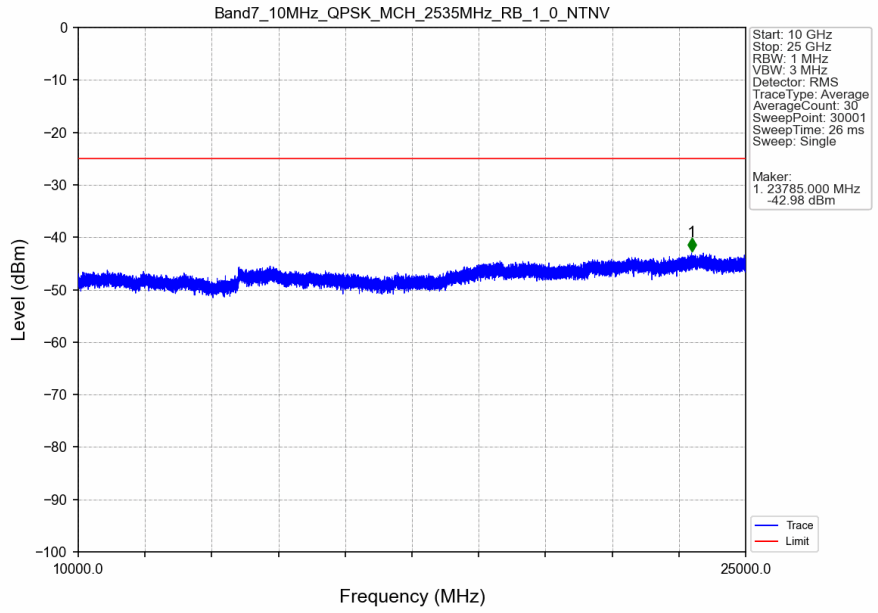


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-38.39	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-29.46	-13	Pass
2496	2499	1	CHP	3	2498.300	-27.60	-10	Pass
2499	2500	0.2	CHP	4	2499.975	-31.26	-10	Pass
2500	2510	0.2	CHP	/	/	/	/	/

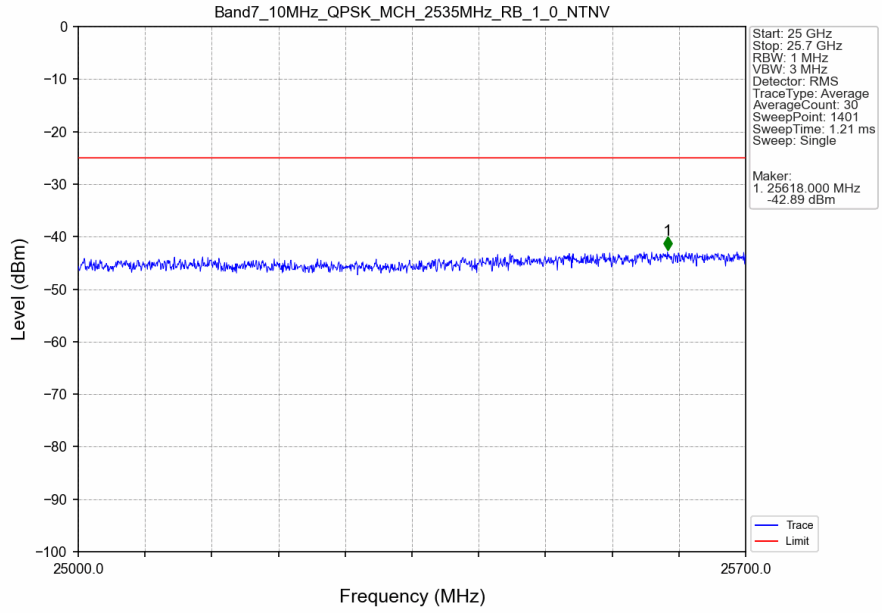
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



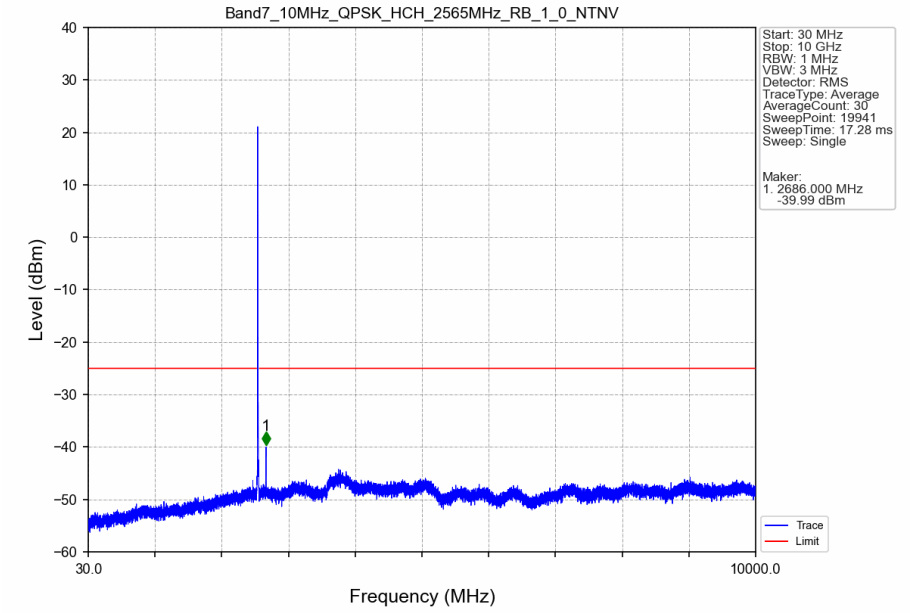
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



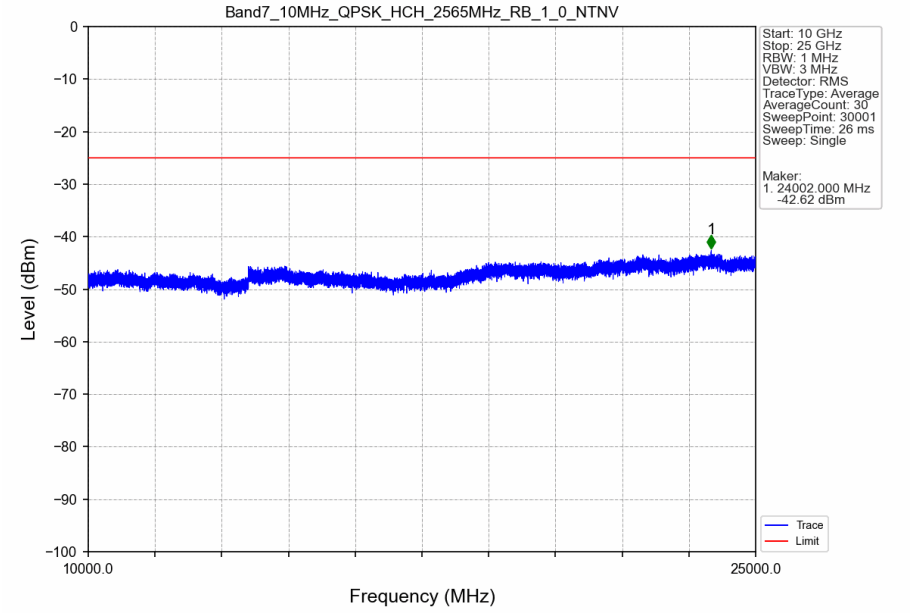
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



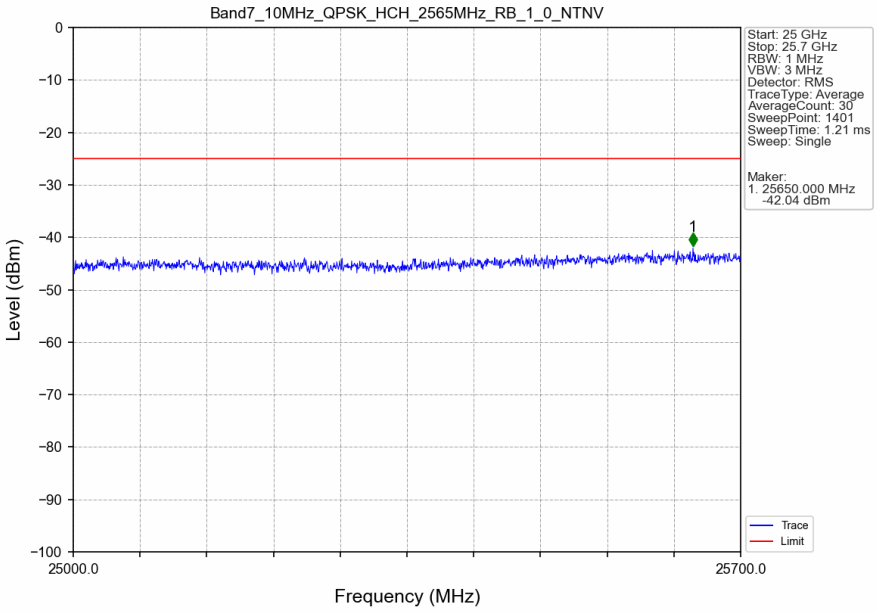
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



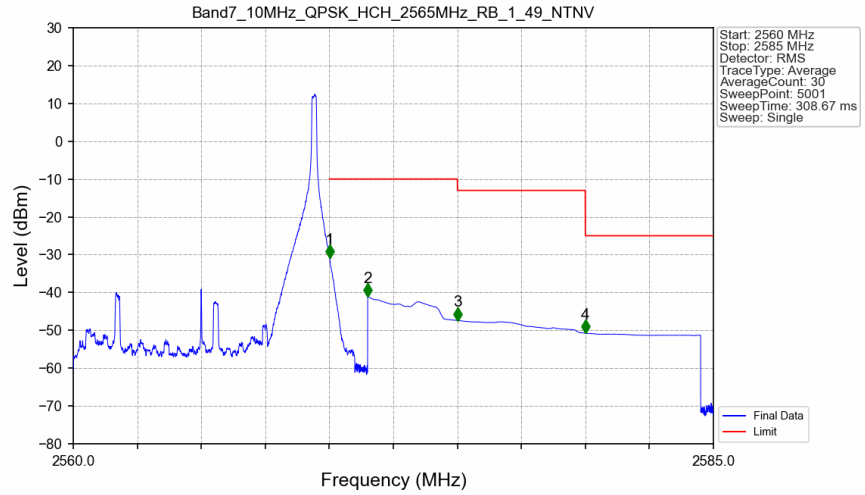
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV

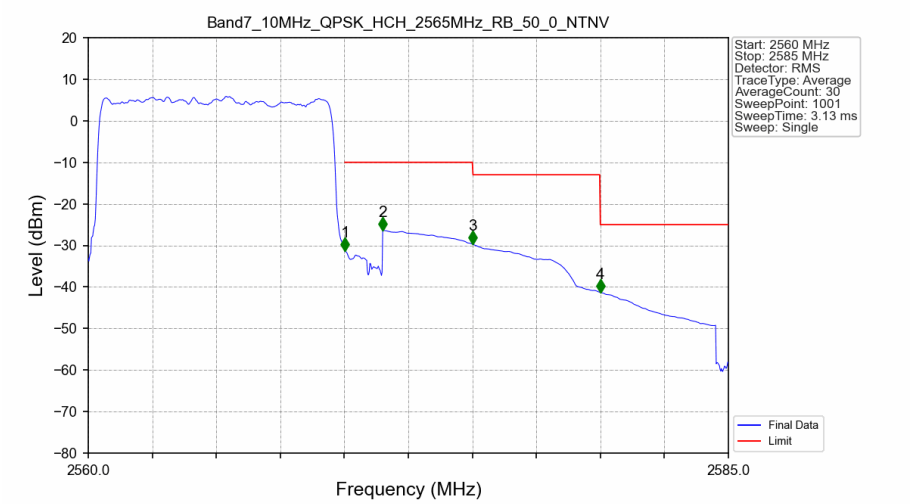


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-30.77	-10	Pass
2571	2575	1	CHP	2	2571.500	-41.10	-10	Pass
2575	2579.997	1	CHP	3	2575.005	-47.38	-13	Pass
2579.997	2585	1	CHP	4	2580.000	-50.75	-25	Pass

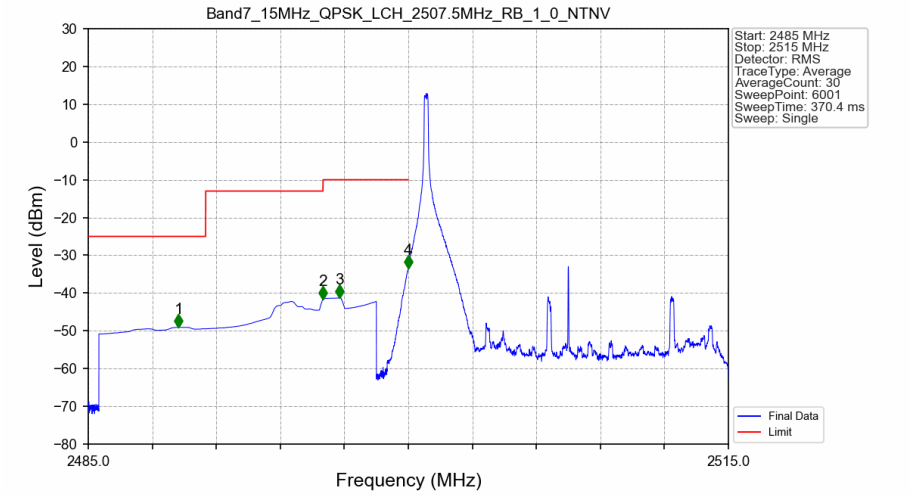
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.2	CHP	/	/	/	/	/
2570	2571	0.2	CHP	1	2570.025	-31.29	-10	Pass
2571	2575	1	CHP	2	2571.500	-26.35	-10	Pass
2575	2579.997	1	CHP	3	2575.025	-29.75	-13	Pass
2579.997	2585	1	CHP	4	2580.000	-41.33	-25	Pass

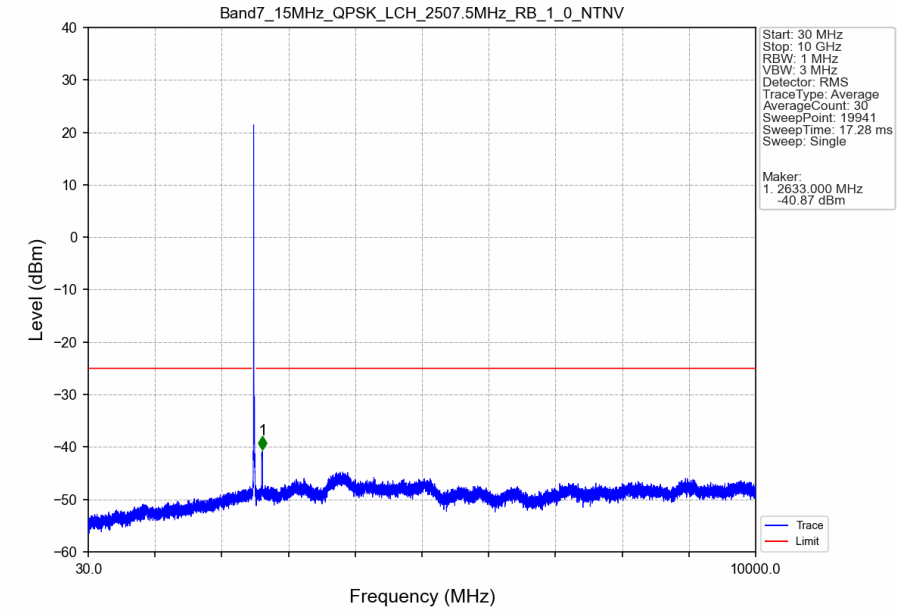
5.2.3 B7_15MHz

Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV

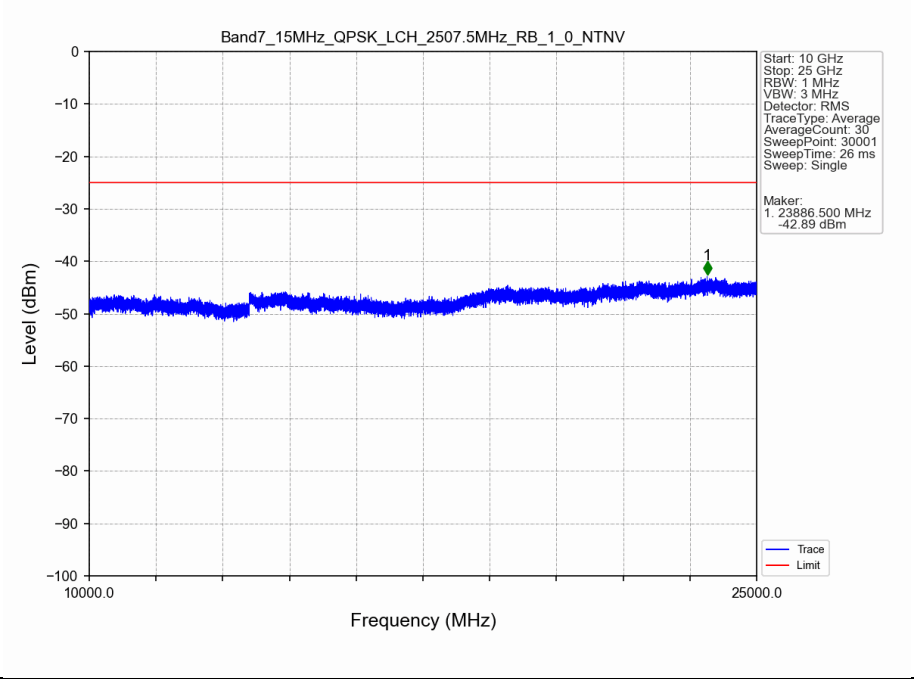


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.230	-49.05	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-41.62	-13	Pass
2496	2499	1	CHP	3	2496.760	-41.29	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-33.43	-10	Pass
2500	2515	0.02	CHP	/	/	/	/	/

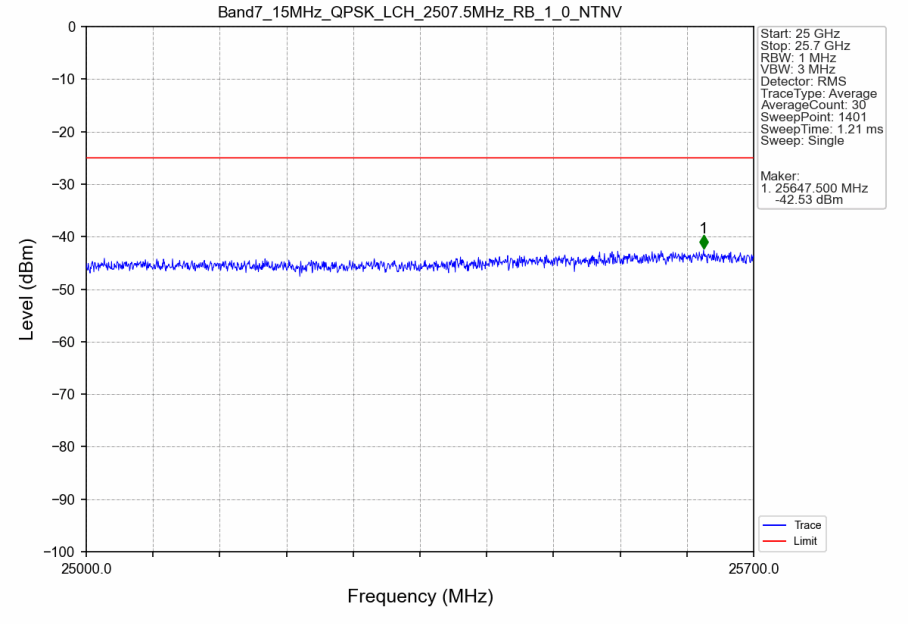
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



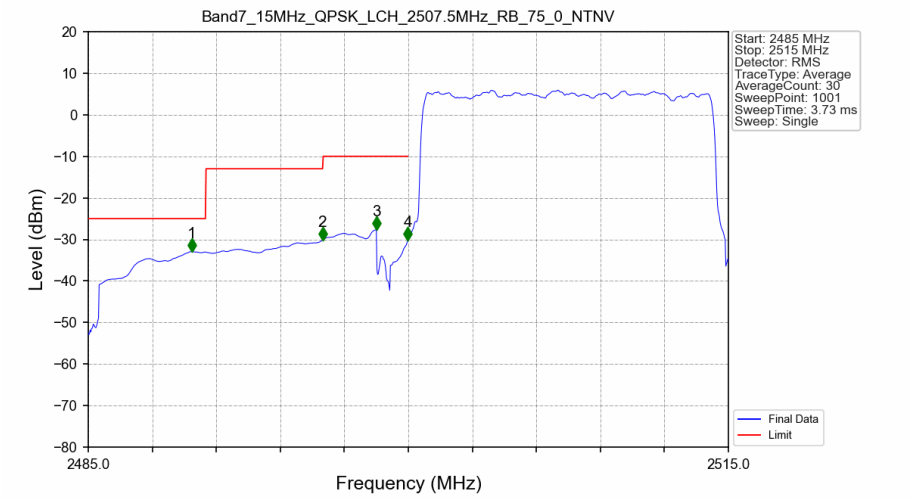
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV

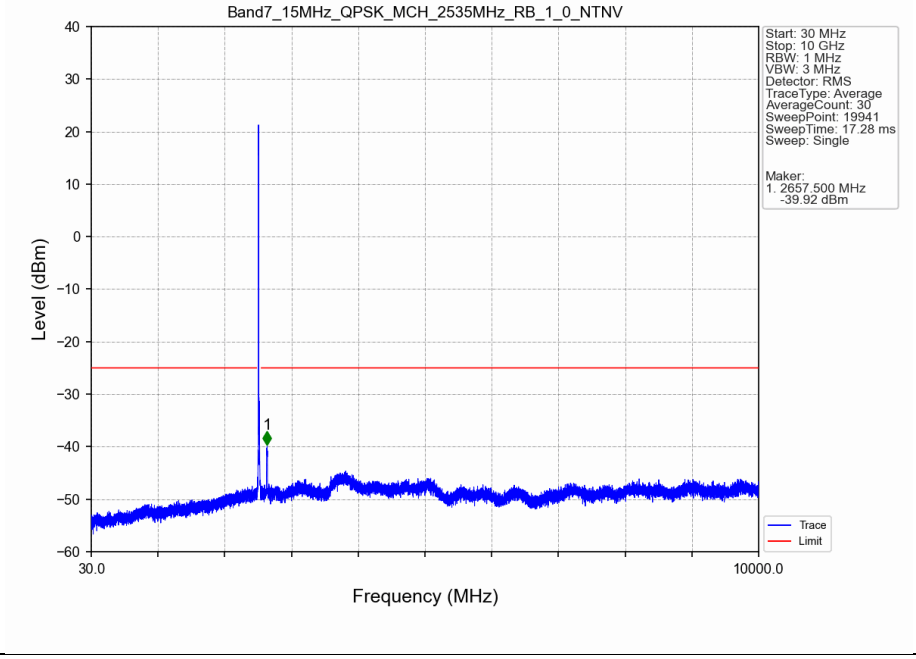


Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV

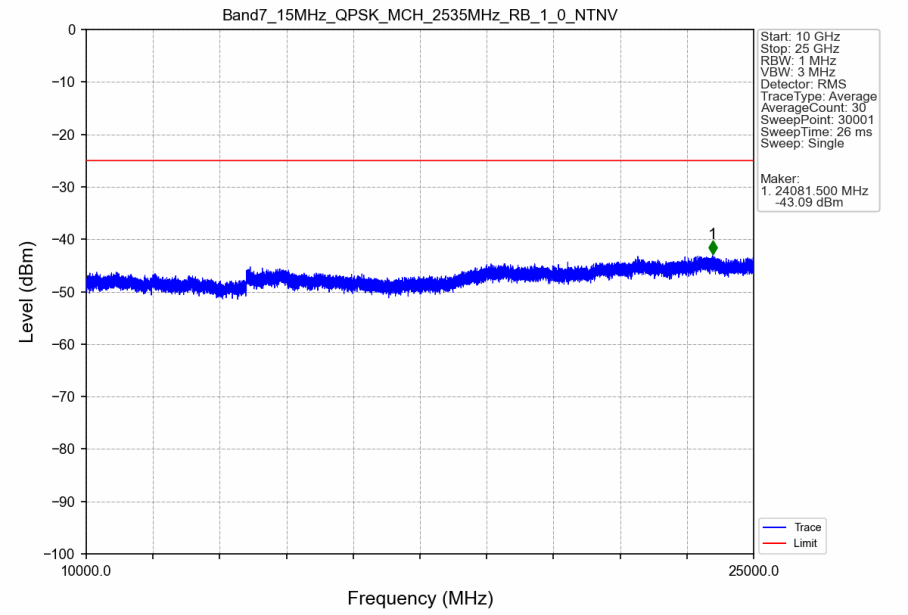


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.860	-32.92	-25	Pass
2490.5	2496	1	CHP	2	2495.980	-30.20	-13	Pass
2496	2499	1	CHP	3	2498.500	-27.72	-10	Pass
2499	2500	0.299	CHP	4	2499.970	-30.24	-10	Pass
2500	2515	0.299	CHP	/	/	/	/	/

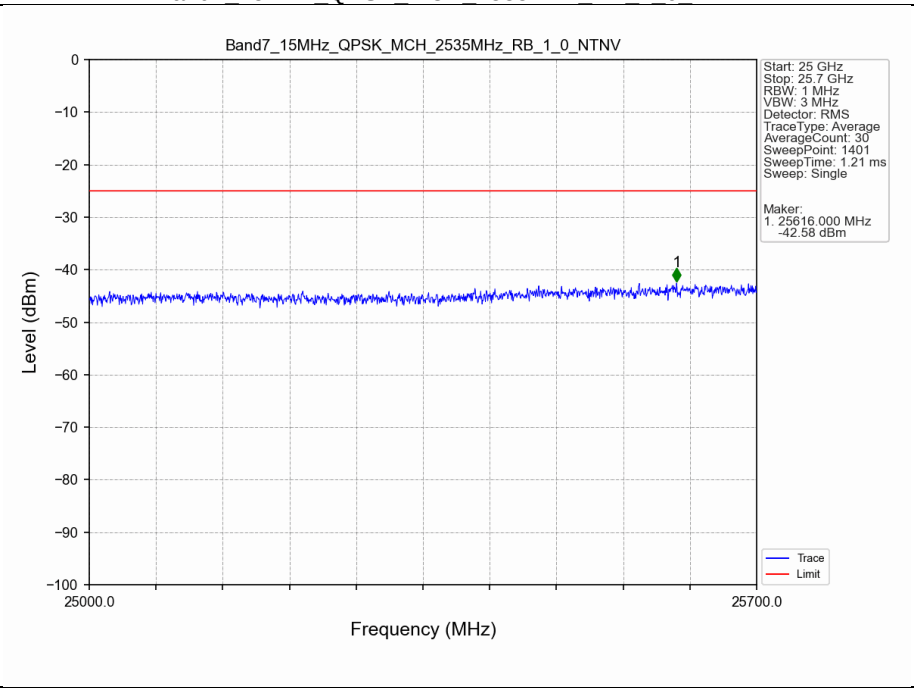
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



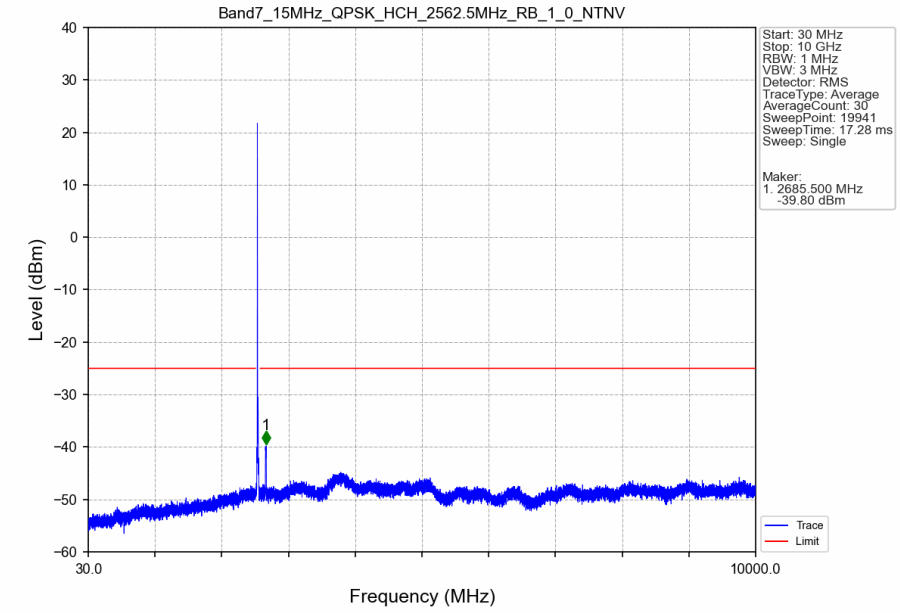
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



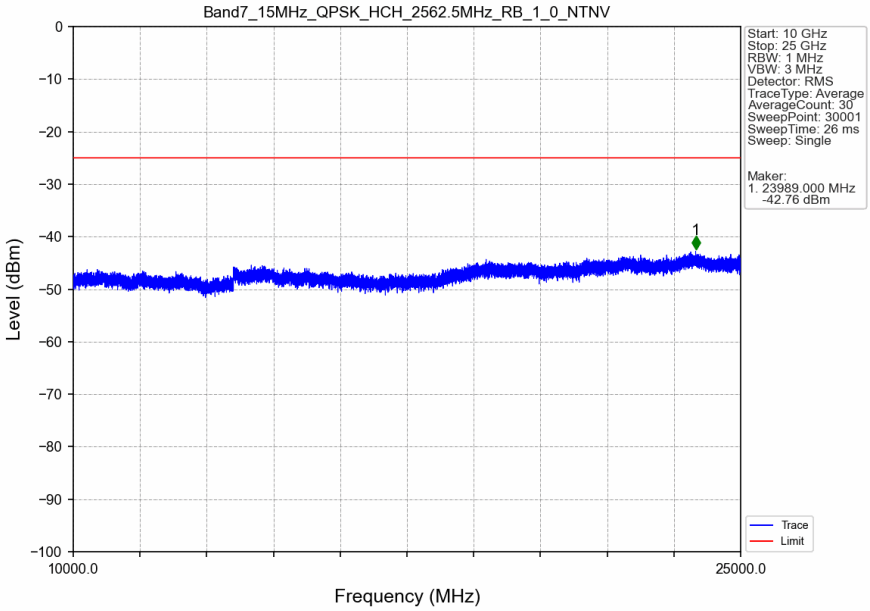
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



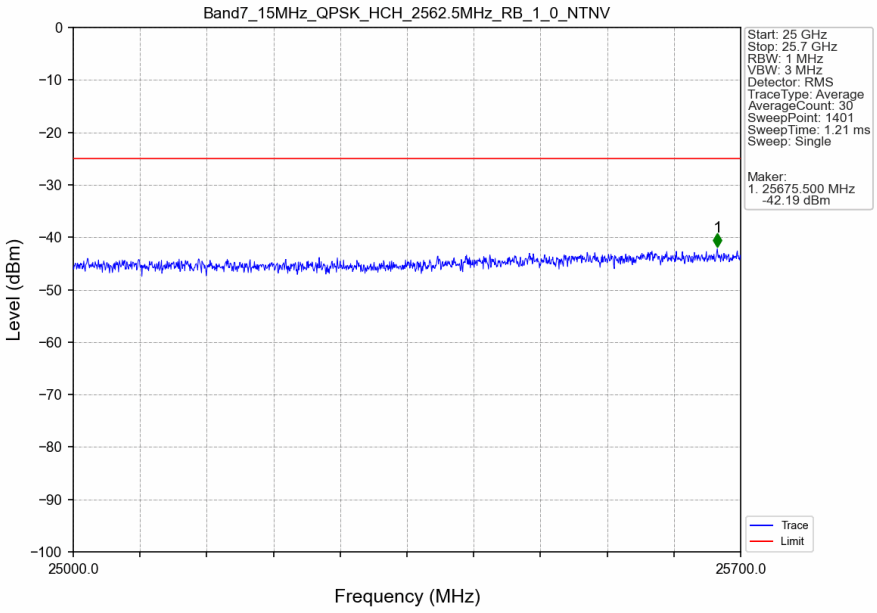
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



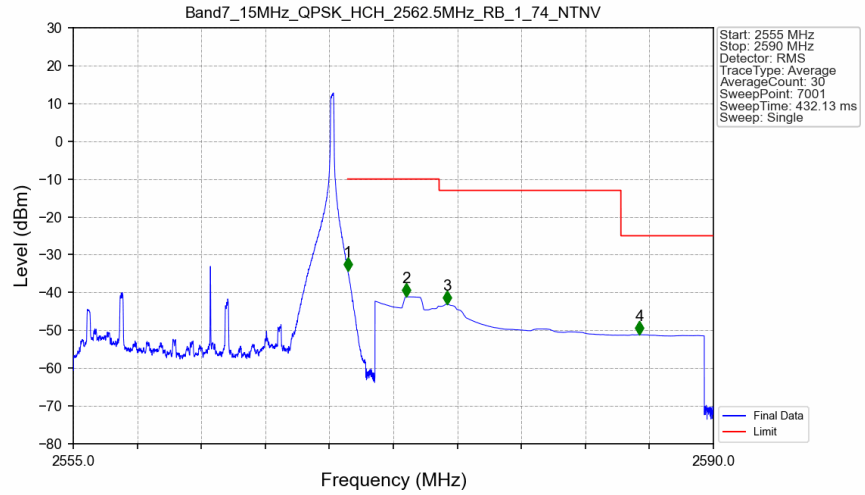
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV

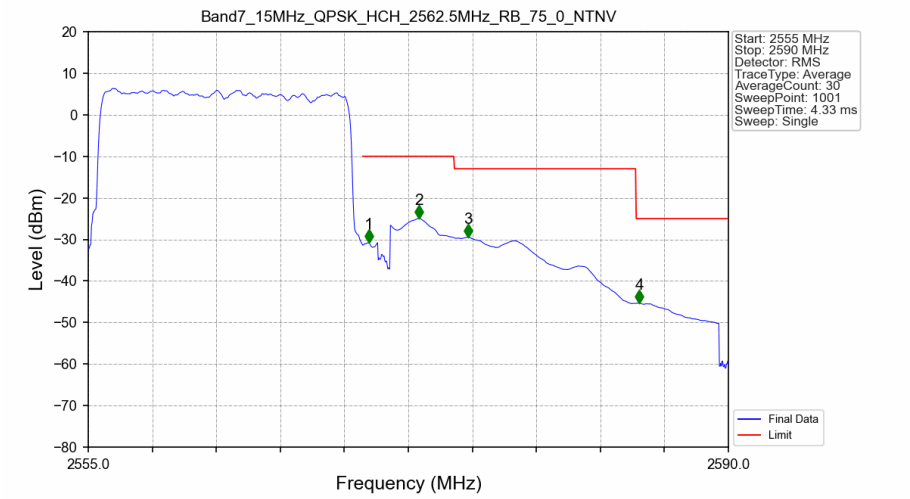


Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-34.18	-10	Pass
2571	2575	1	CHP	2	2573.205	-41.14	-10	Pass
2575	2584.943	1	CHP	3	2575.440	-43.06	-13	Pass
2584.943	2590	1	CHP	4	2585.955	-51.16	-25	Pass

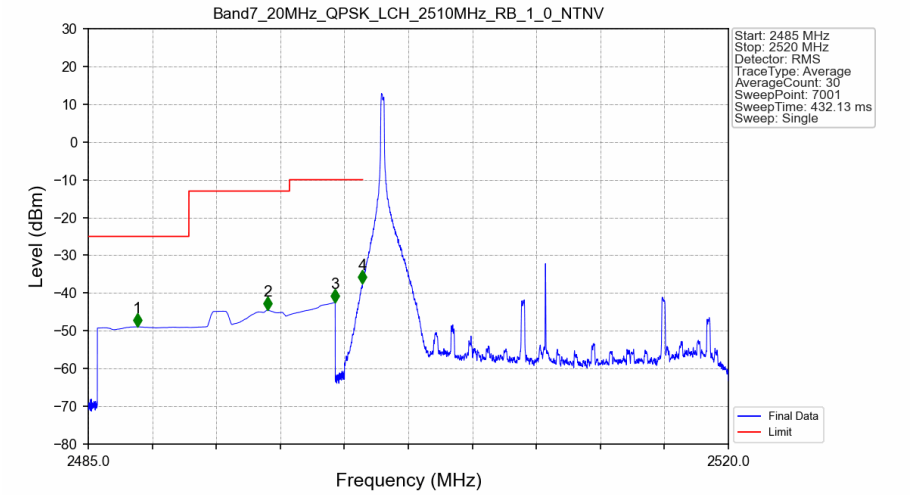
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.299	CHP	/	/	/	/	/
2570	2571	0.299	CHP	1	2570.330	-30.80	-10	Pass
2571	2575	1	CHP	2	2573.095	-24.92	-10	Pass
2575	2584.943	1	CHP	3	2575.755	-29.48	-13	Pass
2584.943	2590	1	CHP	4	2585.135	-45.29	-25	Pass

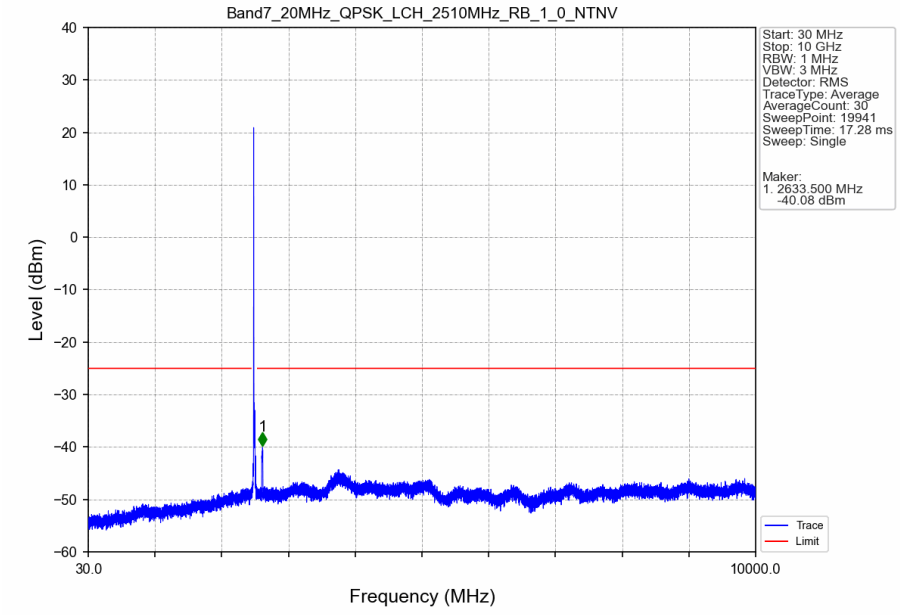
5.2.4 B7_20MHz

Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

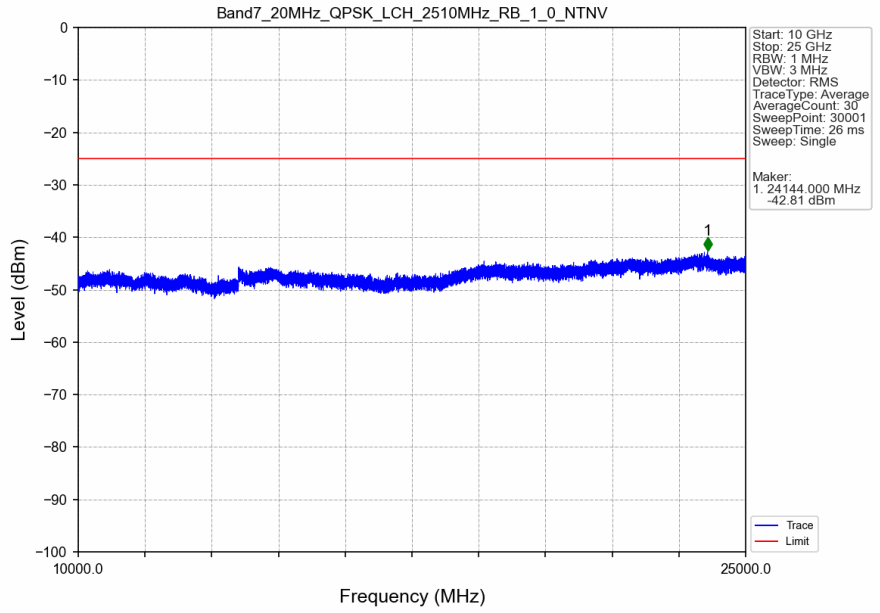


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.675	-48.92	-25	Pass
2490.5	2496	1	CHP	2	2494.795	-44.42	-13	Pass
2496	2499	1	CHP	3	2498.500	-42.46	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-37.41	-10	Pass
2500	2520	0.02	CHP	/	/	/	/	/

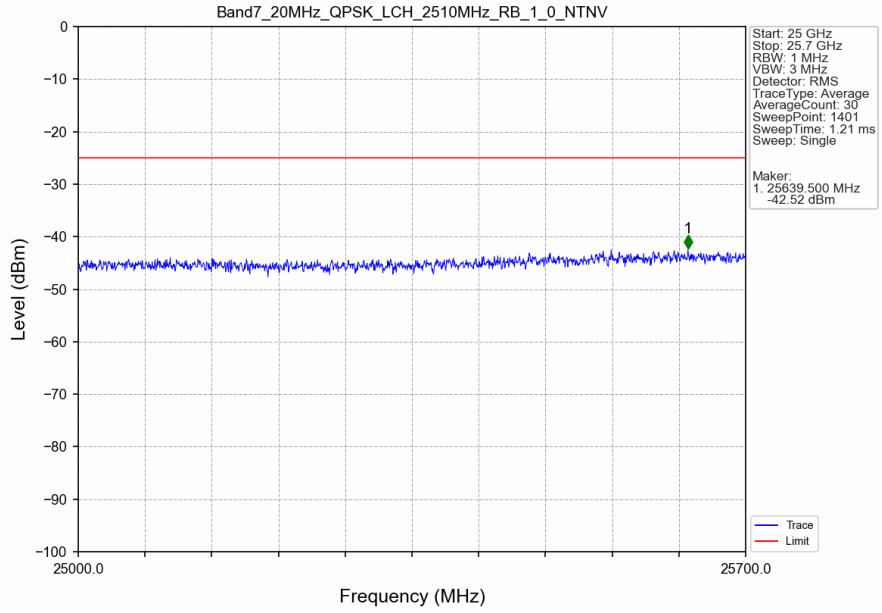
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



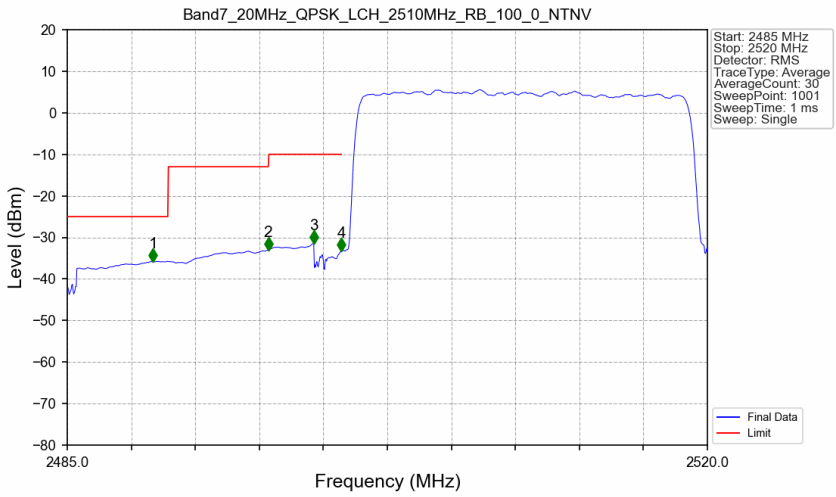
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

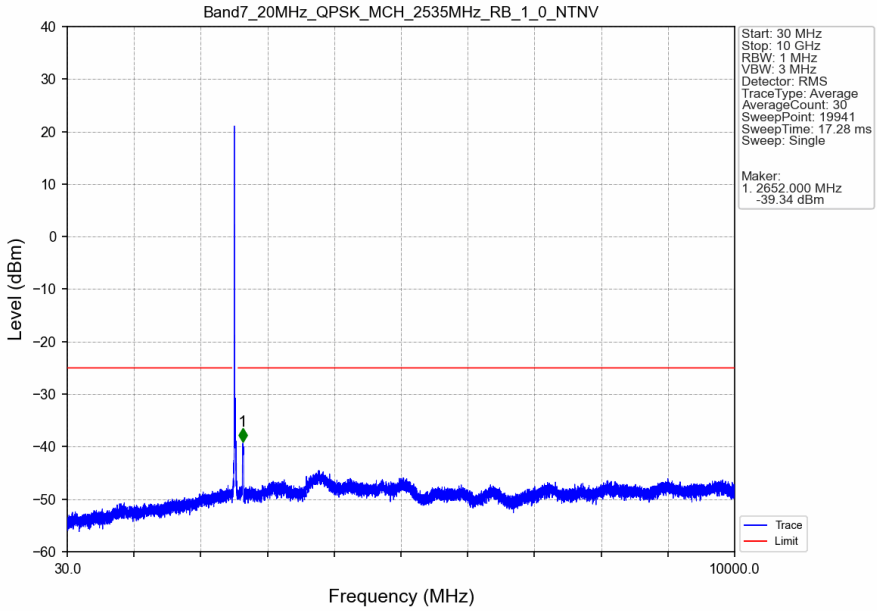


Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV

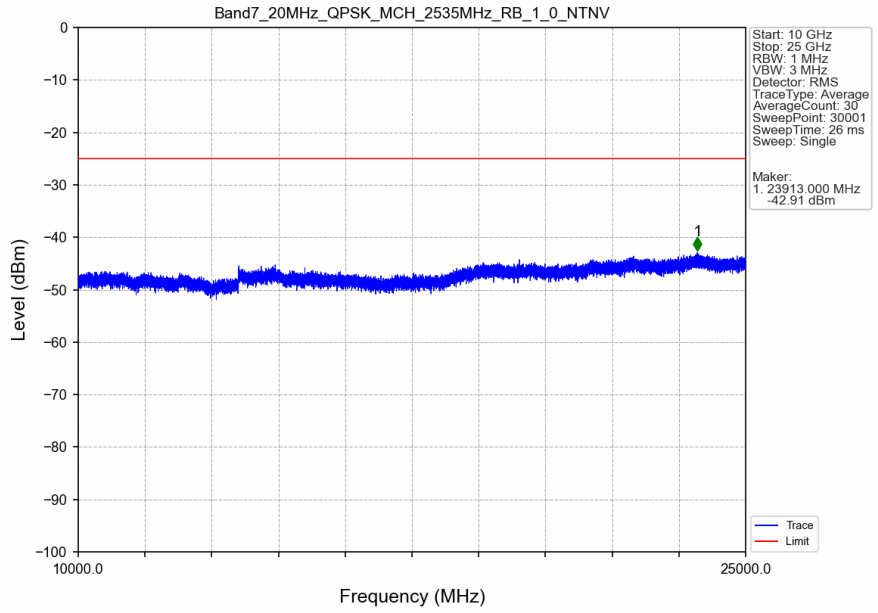


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.690	-35.80	-25	Pass
2490.5	2496	1	CHP	2	2495.990	-33.09	-13	Pass
2496	2499	1	CHP	3	2498.475	-31.45	-10	Pass
2499	2500	0.394	CHP	4	2499.980	-33.31	-10	Pass
2500	2520	0.394	CHP	/	/	/	/	/

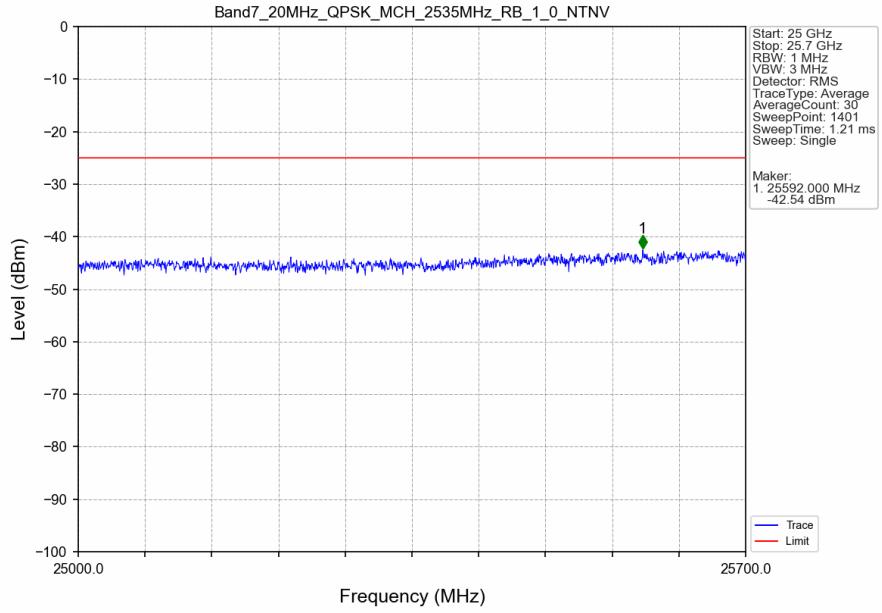
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



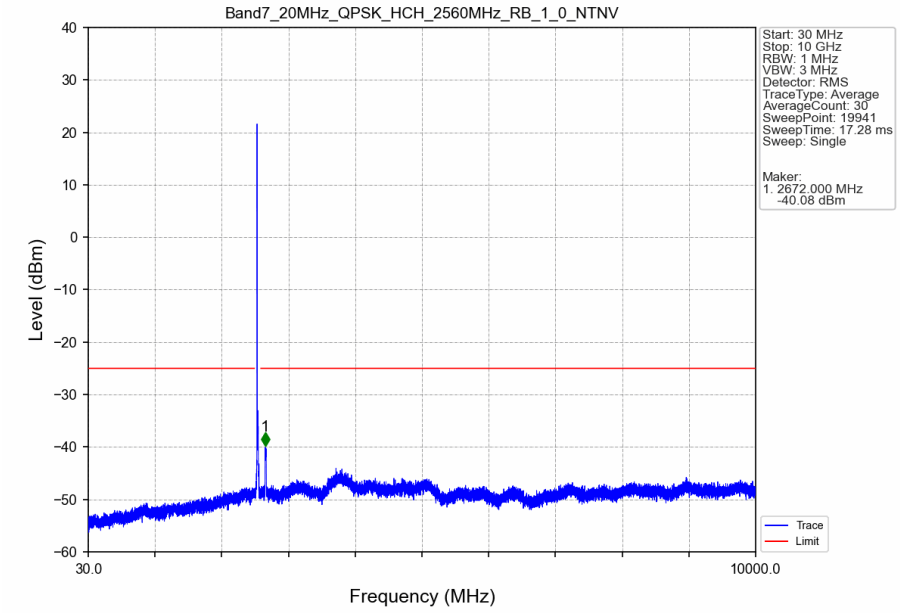
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



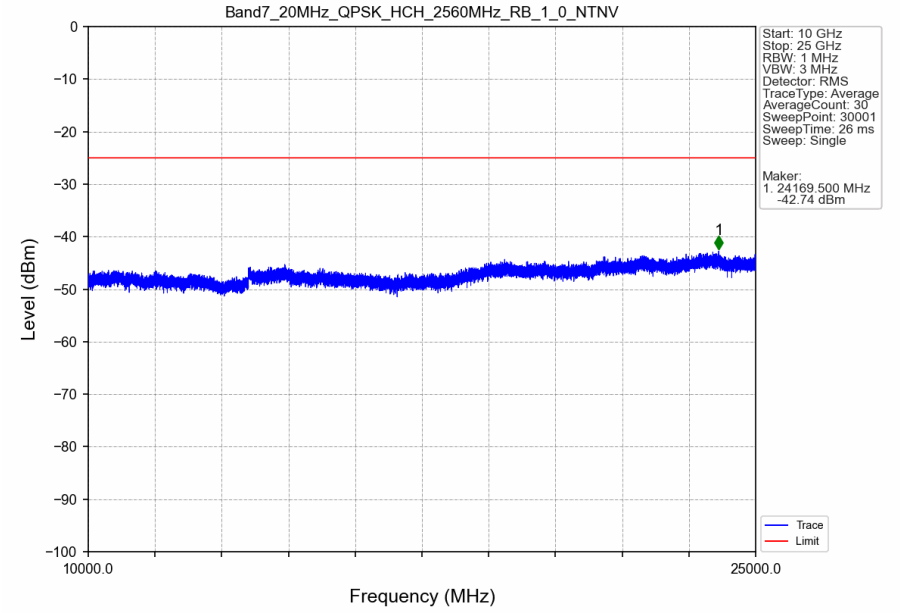
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



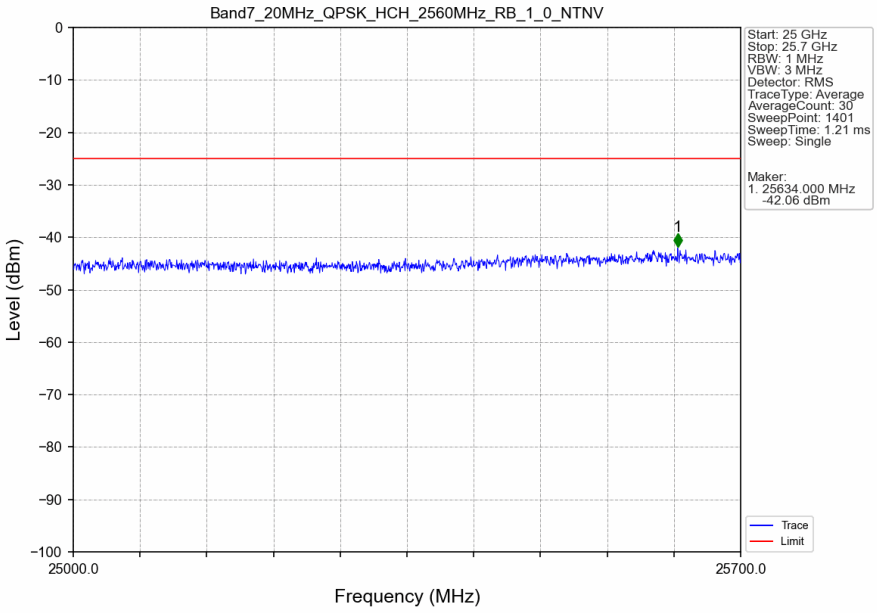
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



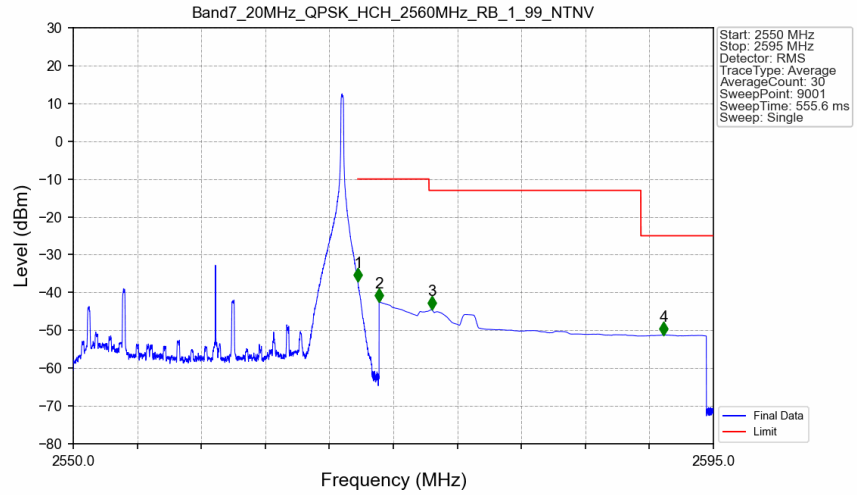
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV

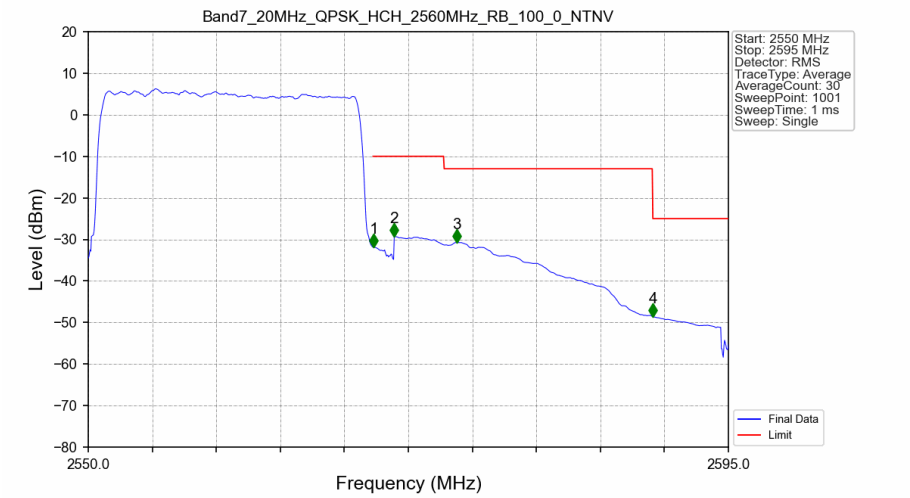


Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-37.15	-10	Pass
2571	2575	1	CHP	2	2571.500	-42.51	-10	Pass
2575	2589.895	1	CHP	3	2575.200	-44.48	-13	Pass
2589.895	2595	1	CHP	4	2591.495	-51.20	-25	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
2550	2570	0.394	CHP	/	/	/	/	/
2570	2571	0.394	CHP	1	2570.070	-31.86	-10	Pass
2571	2575	1	CHP	2	2571.510	-29.31	-10	Pass
2575	2589.683	1	CHP	3	2575.920	-30.69	-13	Pass
2589.683	2595	1	CHP	4	2589.690	-48.65	-25	Pass

6. Field Strength of Spurious Radiation

LTE Band 7 ANT11-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
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	-62.54	-25	-37.54	-68.12	4.59	10.17	Horizontal	Pass
7578.0	-56.17	-25	-31.17	-63.05	4.95	11.83	Horizontal	Pass
10104.0	-56.52	-25	-31.52	-64.09	5.48	13.05	Horizontal	Pass
5052.0	-62.53	-25	-37.53	-68.11	4.59	10.17	Vertical	Pass
7578.0	-58.63	-25	-33.63	-65.51	4.95	11.83	Vertical	Pass
10104.0	-56.04	-25	-31.04	-63.61	5.48	13.05	Vertical	Pass

LTE Band 7 ANT11-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
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	-62.84	-25	-37.84	-68.44	4.6	10.2	Horizontal	Pass
7653.0	-58.84	-25	-33.84	-65.81	4.95	11.92	Horizontal	Pass
10204.0	-57.23	-25	-32.23	-64.81	5.49	13.07	Horizontal	Pass
5102.0	-63.39	-25	-38.39	-68.99	4.6	10.2	Vertical	Pass
7653.0	-57.3	-25	-32.3	-64.27	4.95	11.92	Vertical	Pass
10204.0	-57.1	-25	-32.1	-64.68	5.49	13.07	Vertical	Pass

LTE Band 38 ANT11-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5142.0	-63.05	-25	-38.05	-68.66	4.62	10.23	Horizontal	Pass
7713.0	-59.74	-25	-34.74	-66.77	4.96	11.99	Horizontal	Pass
10284.0	-56.45	-25	-31.45	-64.02	5.51	13.08	Horizontal	Pass
5142.0	-62.86	-25	-37.86	-68.47	4.62	10.23	Vertical	Pass
7784.729	-51.1	-25	-26.1	-58.22	4.96	12.08	Vertical	Pass
10284.0	-56.33	-25	-31.33	-63.9	5.51	13.08	Vertical	Pass