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	24.05	1.00	25.05	<=33.01	Pass
			13	23.99	1.00	24.99	<=33.01	Pass
			24	24.00	1.00	25.00	<=33.01	Pass
		12	0	23.03	1.00	24.03	<=33.01	Pass
			6	23.04	1.00	24.04	<=33.01	Pass
			13	23.09	1.00	24.09	<=33.01	Pass
		25	0	23.07	1.00	24.07	<=33.01	Pass
	2535	1	0	23.82	1.00	24.82	<=33.01	Pass
			13	23.53	1.00	24.53	<=33.01	Pass
			24	23.78	1.00	24.78	<=33.01	Pass
		12	0	22.87	1.00	23.87	<=33.01	Pass
			6	22.86	1.00	23.86	<=33.01	Pass
			13	22.88	1.00	23.88	<=33.01	Pass
		25	0	22.90	1.00	23.90	<=33.01	Pass
	2567.5	1	0	23.62	1.00	24.62	<=33.01	Pass
			13	23.67	1.00	24.67	<=33.01	Pass
			24	23.66	1.00	24.66	<=33.01	Pass
		12	0	22.82	1.00	23.82	<=33.01	Pass
			6	22.72	1.00	23.72	<=33.01	Pass
			13	22.74	1.00	23.74	<=33.01	Pass
		25	0	22.83	1.00	23.83	<=33.01	Pass
16QAM	2502.5	1	0	23.07	1.00	24.07	<=33.01	Pass
			13	23.07	1.00	24.07	<=33.01	Pass
			24	23.05	1.00	24.05	<=33.01	Pass
		12	0	22.04	1.00	23.04	<=33.01	Pass
			6	22.04	1.00	23.04	<=33.01	Pass
			13	22.03	1.00	23.03	<=33.01	Pass
		25	0	22.06	1.00	23.06	<=33.01	Pass
	2535	1	0	22.88	1.00	23.88	<=33.01	Pass
			13	23.00	1.00	24.00	<=33.01	Pass
			24	22.90	1.00	23.90	<=33.01	Pass
		12	0	21.90	1.00	22.90	<=33.01	Pass
			6	21.86	1.00	22.86	<=33.01	Pass
			13	21.88	1.00	22.88	<=33.01	Pass
		25	0	21.92	1.00	22.92	<=33.01	Pass
	2567.5	1	0	22.87	1.00	23.87	<=33.01	Pass
			13	22.90	1.00	23.90	<=33.01	Pass
			24	22.91	1.00	23.91	<=33.01	Pass
		12	0	21.78	1.00	22.78	<=33.01	Pass
			6	21.64	1.00	22.64	<=33.01	Pass
			13	21.76	1.00	22.76	<=33.01	Pass
		25	0	21.74	1.00	22.74	<=33.01	Pass
64QAM	2502.5	1	0	21.71	1.00	22.71	<=33.01	Pass
			13	21.62	1.00	22.62	<=33.01	Pass
			24	22.13	1.00	23.13	<=33.01	Pass
		12	0	20.99	1.00	21.99	<=33.01	Pass
			6	21.04	1.00	22.04	<=33.01	Pass
			13	20.98	1.00	21.98	<=33.01	Pass
		25	0	21.05	1.00	22.05	<=33.01	Pass

	2535	1	0	21.52	1.00	22.52	<=33.01	Pass
			13	21.51	1.00	22.51	<=33.01	Pass
			24	21.83	1.00	22.83	<=33.01	Pass
		12	0	20.94	1.00	21.94	<=33.01	Pass
			6	20.91	1.00	21.91	<=33.01	Pass
			13	20.93	1.00	21.93	<=33.01	Pass
		25	0	20.90	1.00	21.90	<=33.01	Pass
	2567.5	1	0	21.60	1.00	22.60	<=33.01	Pass
			13	21.82	1.00	22.82	<=33.01	Pass
			24	21.90	1.00	22.90	<=33.01	Pass
		12	0	20.86	1.00	21.86	<=33.01	Pass
			6	20.83	1.00	21.83	<=33.01	Pass
			13	20.78	1.00	21.78	<=33.01	Pass
		25	0	20.80	1.00	21.80	<=33.01	Pass
256QAM	2502.5	1	0	19.06	1.00	20.06	<=33.01	Pass
			13	19.04	1.00	20.04	<=33.01	Pass
			24	19.12	1.00	20.12	<=33.01	Pass
		12	0	18.98	1.00	19.98	<=33.01	Pass
			6	19.04	1.00	20.04	<=33.01	Pass
			13	19.01	1.00	20.01	<=33.01	Pass
		25	0	19.05	1.00	20.05	<=33.01	Pass
	2535	1	0	18.93	1.00	19.93	<=33.01	Pass
			13	19.04	1.00	20.04	<=33.01	Pass
			24	18.83	1.00	19.83	<=33.01	Pass
		12	0	18.81	1.00	19.81	<=33.01	Pass
			6	18.82	1.00	19.82	<=33.01	Pass
			13	18.89	1.00	19.89	<=33.01	Pass
		25	0	18.85	1.00	19.85	<=33.01	Pass
	2567.5	1	0	18.75	1.00	19.75	<=33.01	Pass
			13	18.80	1.00	19.80	<=33.01	Pass
			24	18.72	1.00	19.72	<=33.01	Pass
		12	0	18.80	1.00	19.80	<=33.01	Pass
			6	18.64	1.00	19.64	<=33.01	Pass
			13	18.72	1.00	19.72	<=33.01	Pass
		25	0	18.72	1.00	19.72	<=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	24.01	1.00	25.01	<=33.01	Pass
			25	24.02	1.00	25.02	<=33.01	Pass
			49	24.00	1.00	25.00	<=33.01	Pass
		25	0	23.04	1.00	24.04	<=33.01	Pass
			13	23.05	1.00	24.05	<=33.01	Pass
			25	23.08	1.00	24.08	<=33.01	Pass
		50	0	23.09	1.00	24.09	<=33.01	Pass
	2535	1	0	23.82	1.00	24.82	<=33.01	Pass
			25	23.70	1.00	24.70	<=33.01	Pass
			49	23.55	1.00	24.55	<=33.01	Pass
		25	0	22.89	1.00	23.89	<=33.01	Pass
			13	22.86	1.00	23.86	<=33.01	Pass
			25	22.88	1.00	23.88	<=33.01	Pass
		50	0	22.89	1.00	23.89	<=33.01	Pass
	2565	1	0	23.79	1.00	24.79	<=33.01	Pass

			25	23.57	1.00	24.57	<=33.01	Pass
			49	23.58	1.00	24.58	<=33.01	Pass
		25	0	22.82	1.00	23.82	<=33.01	Pass
			13	22.75	1.00	23.75	<=33.01	Pass
			25	22.76	1.00	23.76	<=33.01	Pass
		50	0	22.80	1.00	23.80	<=33.01	Pass
16QAM	2505	1	0	23.13	1.00	24.13	<=33.01	Pass
			25	23.02	1.00	24.02	<=33.01	Pass
			49	23.15	1.00	24.15	<=33.01	Pass
		25	0	22.09	1.00	23.09	<=33.01	Pass
			13	22.09	1.00	23.09	<=33.01	Pass
			25	22.11	1.00	23.11	<=33.01	Pass
		50	0	22.09	1.00	23.09	<=33.01	Pass
	2535	1	0	22.98	1.00	23.98	<=33.01	Pass
			25	22.95	1.00	23.95	<=33.01	Pass
			49	23.06	1.00	24.06	<=33.01	Pass
		25	0	21.91	1.00	22.91	<=33.01	Pass
			13	21.84	1.00	22.84	<=33.01	Pass
			25	21.92	1.00	22.92	<=33.01	Pass
		50	0	21.91	1.00	22.91	<=33.01	Pass
	2565	1	0	22.92	1.00	23.92	<=33.01	Pass
			25	22.39	1.00	23.39	<=33.01	Pass
			49	22.84	1.00	23.84	<=33.01	Pass
		25	0	21.85	1.00	22.85	<=33.01	Pass
			13	21.82	1.00	22.82	<=33.01	Pass
			25	21.78	1.00	22.78	<=33.01	Pass
		50	0	21.80	1.00	22.80	<=33.01	Pass
64QAM	2505	1	0	22.17	1.00	23.17	<=33.01	Pass
			25	22.06	1.00	23.06	<=33.01	Pass
			49	22.26	1.00	23.26	<=33.01	Pass
		25	0	21.03	1.00	22.03	<=33.01	Pass
			13	21.08	1.00	22.08	<=33.01	Pass
			25	21.08	1.00	22.08	<=33.01	Pass
		50	0	21.11	1.00	22.11	<=33.01	Pass
	2535	1	0	22.08	1.00	23.08	<=33.01	Pass
			25	22.13	1.00	23.13	<=33.01	Pass
			49	22.06	1.00	23.06	<=33.01	Pass
		25	0	20.88	1.00	21.88	<=33.01	Pass
			13	20.86	1.00	21.86	<=33.01	Pass
			25	20.90	1.00	21.90	<=33.01	Pass
		50	0	20.87	1.00	21.87	<=33.01	Pass
	2565	1	0	21.65	1.00	22.65	<=33.01	Pass
			25	21.68	1.00	22.68	<=33.01	Pass
			49	21.53	1.00	22.53	<=33.01	Pass
		25	0	20.82	1.00	21.82	<=33.01	Pass
			13	20.79	1.00	21.79	<=33.01	Pass
			25	20.74	1.00	21.74	<=33.01	Pass
		50	0	20.79	1.00	21.79	<=33.01	Pass
256QAM	2505	1	0	18.95	1.00	19.95	<=33.01	Pass
			25	19.04	1.00	20.04	<=33.01	Pass
			49	19.05	1.00	20.05	<=33.01	Pass
		25	0	19.00	1.00	20.00	<=33.01	Pass
			13	19.01	1.00	20.01	<=33.01	Pass
			25	19.07	1.00	20.07	<=33.01	Pass
		50	0	19.07	1.00	20.07	<=33.01	Pass
	2535	1	0	18.94	1.00	19.94	<=33.01	Pass
			25	18.84	1.00	19.84	<=33.01	Pass
			49	18.97	1.00	19.97	<=33.01	Pass
		25	0	18.88	1.00	19.88	<=33.01	Pass

			13	18.84	1.00	19.84	<=33.01	Pass
			25	18.85	1.00	19.85	<=33.01	Pass
		50	0	18.85	1.00	19.85	<=33.01	Pass
	2565	1	0	18.78	1.00	19.78	<=33.01	Pass
			25	18.80	1.00	19.80	<=33.01	Pass
			49	18.84	1.00	19.84	<=33.01	Pass
		25	0	18.80	1.00	19.80	<=33.01	Pass
			13	18.76	1.00	19.76	<=33.01	Pass
			25	18.71	1.00	19.71	<=33.01	Pass
		50	0	18.78	1.00	19.78	<=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	23.96	1.00	24.96	<=33.01	Pass
			38	23.98	1.00	24.98	<=33.01	Pass
			74	23.94	1.00	24.94	<=33.01	Pass
		36	0	23.04	1.00	24.04	<=33.01	Pass
			18	23.06	1.00	24.06	<=33.01	Pass
			39	23.04	1.00	24.04	<=33.01	Pass
		75	0	23.08	1.00	24.08	<=33.01	Pass
	2535	1	0	23.84	1.00	24.84	<=33.01	Pass
			38	23.91	1.00	24.91	<=33.01	Pass
			74	23.89	1.00	24.89	<=33.01	Pass
		36	0	22.90	1.00	23.90	<=33.01	Pass
			18	22.88	1.00	23.88	<=33.01	Pass
			39	22.89	1.00	23.89	<=33.01	Pass
		75	0	22.92	1.00	23.92	<=33.01	Pass
	2562.5	1	0	23.79	1.00	24.79	<=33.01	Pass
			38	23.65	1.00	24.65	<=33.01	Pass
			74	23.68	1.00	24.68	<=33.01	Pass
		36	0	22.82	1.00	23.82	<=33.01	Pass
			18	22.82	1.00	23.82	<=33.01	Pass
			39	22.71	1.00	23.71	<=33.01	Pass
		75	0	22.83	1.00	23.83	<=33.01	Pass
16QAM	2507.5	1	0	23.03	1.00	24.03	<=33.01	Pass
			38	23.22	1.00	24.22	<=33.01	Pass
			74	23.15	1.00	24.15	<=33.01	Pass
		36	0	22.08	1.00	23.08	<=33.01	Pass
			18	22.09	1.00	23.09	<=33.01	Pass
			39	22.08	1.00	23.08	<=33.01	Pass
		75	0	22.07	1.00	23.07	<=33.01	Pass
	2535	1	0	22.88	1.00	23.88	<=33.01	Pass
			38	23.06	1.00	24.06	<=33.01	Pass
			74	22.94	1.00	23.94	<=33.01	Pass
		36	0	21.96	1.00	22.96	<=33.01	Pass
			18	21.94	1.00	22.94	<=33.01	Pass
			39	21.93	1.00	22.93	<=33.01	Pass
		75	0	21.92	1.00	22.92	<=33.01	Pass
	2562.5	1	0	22.71	1.00	23.71	<=33.01	Pass
			38	22.98	1.00	23.98	<=33.01	Pass
			74	22.98	1.00	23.98	<=33.01	Pass
		36	0	21.86	1.00	22.86	<=33.01	Pass
			18	21.86	1.00	22.86	<=33.01	Pass

			39	21.79	1.00	22.79	<=33.01	Pass
		75	0	21.86	1.00	22.86	<=33.01	Pass
64QAM	2507.5	1	0	22.18	1.00	23.18	<=33.01	Pass
			38	22.29	1.00	23.29	<=33.01	Pass
			74	22.01	1.00	23.01	<=33.01	Pass
		36	0	21.07	1.00	22.07	<=33.01	Pass
			18	21.14	1.00	22.14	<=33.01	Pass
			39	21.09	1.00	22.09	<=33.01	Pass
		75	0	21.07	1.00	22.07	<=33.01	Pass
	2535	1	0	22.05	1.00	23.05	<=33.01	Pass
			38	22.00	1.00	23.00	<=33.01	Pass
			74	21.95	1.00	22.95	<=33.01	Pass
		36	0	20.97	1.00	21.97	<=33.01	Pass
			18	20.95	1.00	21.95	<=33.01	Pass
			39	20.93	1.00	21.93	<=33.01	Pass
		75	0	20.93	1.00	21.93	<=33.01	Pass
	2562.5	1	0	21.80	1.00	22.80	<=33.01	Pass
			38	21.68	1.00	22.68	<=33.01	Pass
			74	21.78	1.00	22.78	<=33.01	Pass
		36	0	20.87	1.00	21.87	<=33.01	Pass
			18	20.87	1.00	21.87	<=33.01	Pass
			39	20.78	1.00	21.78	<=33.01	Pass
		75	0	20.83	1.00	21.83	<=33.01	Pass
256QAM	2507.5	1	0	19.08	1.00	20.08	<=33.01	Pass
			38	19.14	1.00	20.14	<=33.01	Pass
			74	19.02	1.00	20.02	<=33.01	Pass
		36	0	19.06	1.00	20.06	<=33.01	Pass
			18	19.08	1.00	20.08	<=33.01	Pass
			39	19.06	1.00	20.06	<=33.01	Pass
		75	0	19.05	1.00	20.05	<=33.01	Pass
	2535	1	0	18.96	1.00	19.96	<=33.01	Pass
			38	18.85	1.00	19.85	<=33.01	Pass
			74	18.98	1.00	19.98	<=33.01	Pass
		36	0	18.91	1.00	19.91	<=33.01	Pass
			18	18.92	1.00	19.92	<=33.01	Pass
			39	18.91	1.00	19.91	<=33.01	Pass
		75	0	18.90	1.00	19.90	<=33.01	Pass
	2562.5	1	0	19.03	1.00	20.03	<=33.01	Pass
			38	18.90	1.00	19.90	<=33.01	Pass
			74	18.70	1.00	19.70	<=33.01	Pass
		36	0	18.86	1.00	19.86	<=33.01	Pass
			18	18.83	1.00	19.83	<=33.01	Pass
			39	18.75	1.00	19.75	<=33.01	Pass
		75	0	18.85	1.00	19.85	<=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	23.86	1.00	24.86	<=33.01	Pass
			50	23.93	1.00	24.93	<=33.01	Pass
			99	23.89	1.00	24.89	<=33.01	Pass
		50	0	23.09	1.00	24.09	<=33.01	Pass
			25	23.08	1.00	24.08	<=33.01	Pass
			50	23.01	1.00	24.01	<=33.01	Pass

		100	0	23.06	1.00	24.06	<=33.01	Pass
	2535	1	0	23.86	1.00	24.86	<=33.01	Pass
			50	23.76	1.00	24.76	<=33.01	Pass
			99	23.84	1.00	24.84	<=33.01	Pass
		50	0	22.94	1.00	23.94	<=33.01	Pass
			25	22.93	1.00	23.93	<=33.01	Pass
			50	22.91	1.00	23.91	<=33.01	Pass
		100	0	22.94	1.00	23.94	<=33.01	Pass
	2560	1	0	23.87	1.00	24.87	<=33.01	Pass
			50	23.77	1.00	24.77	<=33.01	Pass
			99	23.52	1.00	24.52	<=33.01	Pass
		50	0	22.90	1.00	23.90	<=33.01	Pass
			25	22.84	1.00	23.84	<=33.01	Pass
			50	22.78	1.00	23.78	<=33.01	Pass
		100	0	22.85	1.00	23.85	<=33.01	Pass
16QAM	2510	1	0	23.20	1.00	24.20	<=33.01	Pass
			50	23.29	1.00	24.29	<=33.01	Pass
			99	22.95	1.00	23.95	<=33.01	Pass
		50	0	22.14	1.00	23.14	<=33.01	Pass
			25	22.13	1.00	23.13	<=33.01	Pass
			50	22.07	1.00	23.07	<=33.01	Pass
		100	0	22.05	1.00	23.05	<=33.01	Pass
	2535	1	0	22.81	1.00	23.81	<=33.01	Pass
			50	22.90	1.00	23.90	<=33.01	Pass
			99	22.90	1.00	23.90	<=33.01	Pass
		50	0	21.93	1.00	22.93	<=33.01	Pass
			25	21.90	1.00	22.90	<=33.01	Pass
			50	21.92	1.00	22.92	<=33.01	Pass
		100	0	21.96	1.00	22.96	<=33.01	Pass
	2560	1	0	23.00	1.00	24.00	<=33.01	Pass
			50	22.78	1.00	23.78	<=33.01	Pass
			99	22.82	1.00	23.82	<=33.01	Pass
		50	0	21.93	1.00	22.93	<=33.01	Pass
			25	21.88	1.00	22.88	<=33.01	Pass
			50	21.80	1.00	22.80	<=33.01	Pass
		100	0	21.86	1.00	22.86	<=33.01	Pass
64QAM	2510	1	0	21.94	1.00	22.94	<=33.01	Pass
			50	22.24	1.00	23.24	<=33.01	Pass
			99	21.68	1.00	22.68	<=33.01	Pass
		50	0	21.11	1.00	22.11	<=33.01	Pass
			25	21.08	1.00	22.08	<=33.01	Pass
			50	21.04	1.00	22.04	<=33.01	Pass
		100	0	21.06	1.00	22.06	<=33.01	Pass
	2535	1	0	21.96	1.00	22.96	<=33.01	Pass
			50	21.99	1.00	22.99	<=33.01	Pass
			99	21.80	1.00	22.80	<=33.01	Pass
		50	0	20.95	1.00	21.95	<=33.01	Pass
			25	20.98	1.00	21.98	<=33.01	Pass
			50	20.94	1.00	21.94	<=33.01	Pass
		100	0	20.93	1.00	21.93	<=33.01	Pass
	2560	1	0	22.09	1.00	23.09	<=33.01	Pass
			50	21.96	1.00	22.96	<=33.01	Pass
			99	21.84	1.00	22.84	<=33.01	Pass
		50	0	20.93	1.00	21.93	<=33.01	Pass
			25	20.89	1.00	21.89	<=33.01	Pass
			50	20.80	1.00	21.80	<=33.01	Pass
		100	0	20.86	1.00	21.86	<=33.01	Pass
256QAM	2510	1	0	19.09	1.00	20.09	<=33.01	Pass
			50	19.20	1.00	20.20	<=33.01	Pass

			99	19.01	1.00	20.01	<=33.01	Pass
		50	0	19.10	1.00	20.10	<=33.01	Pass
			25	19.08	1.00	20.08	<=33.01	Pass
			50	19.04	1.00	20.04	<=33.01	Pass
		100	0	19.07	1.00	20.07	<=33.01	Pass
	2535	1	0	18.85	1.00	19.85	<=33.01	Pass
			50	19.06	1.00	20.06	<=33.01	Pass
			99	18.93	1.00	19.93	<=33.01	Pass
		50	0	18.54	1.00	19.54	<=33.01	Pass
			25	18.92	1.00	19.92	<=33.01	Pass
			50	18.90	1.00	19.90	<=33.01	Pass
		100	0	18.94	1.00	19.94	<=33.01	Pass
	2560	1	0	19.02	1.00	20.02	<=33.01	Pass
			50	19.04	1.00	20.04	<=33.01	Pass
			99	18.65	1.00	19.65	<=33.01	Pass
		50	0	18.93	1.00	19.93	<=33.01	Pass
			25	18.87	1.00	19.87	<=33.01	Pass
			50	18.76	1.00	19.76	<=33.01	Pass
		100	0	18.85	1.00	19.85	<=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	3.8	1.400	0.0006	-2.5 to 2.5	Pass
					4	-2.500	-0.0010	-2.5 to 2.5	Pass
					4.2	-2.600	-0.0010	-2.5 to 2.5	Pass
				-30	4	-1.800	-0.0007	-2.5 to 2.5	Pass
				-20	4	3.800	0.0015	-2.5 to 2.5	Pass
				-10	4	-2.300	-0.0009	-2.5 to 2.5	Pass
				0	4	-1.300	-0.0005	-2.5 to 2.5	Pass
				10	4	-2.300	-0.0009	-2.5 to 2.5	Pass
				30	4	0.600	0.0002	-2.5 to 2.5	Pass
				40	4	-1.200	-0.0005	-2.5 to 2.5	Pass
				50	4	-2.900	-0.0011	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band7_OBW

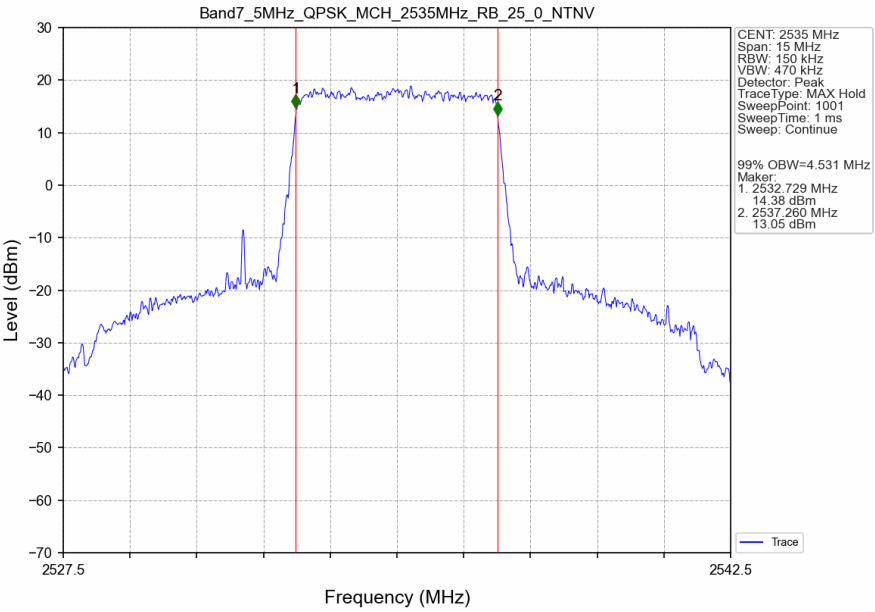
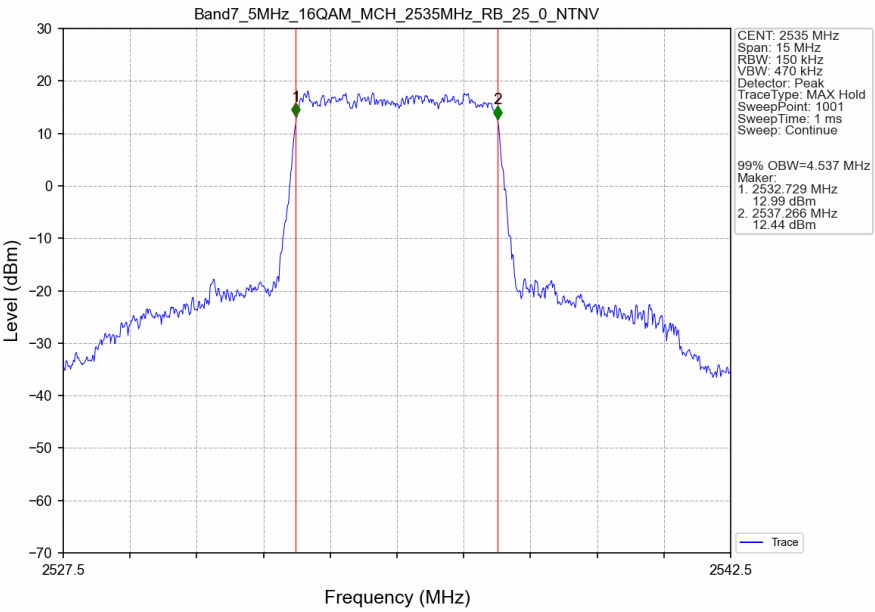
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	4.531	/	Pass
	16QAM	2535	25	0	4.537	/	Pass
10	QPSK	2535	50	0	9.041	/	Pass
	16QAM	2535	50	0	9.018	/	Pass
15	QPSK	2535	75	0	13.570	/	Pass
	16QAM	2535	75	0	13.565	/	Pass
20	QPSK	2535	100	0	18.068	/	Pass
	16QAM	2535	100	0	18.104	/	Pass

3.1.2 Band7_XDB

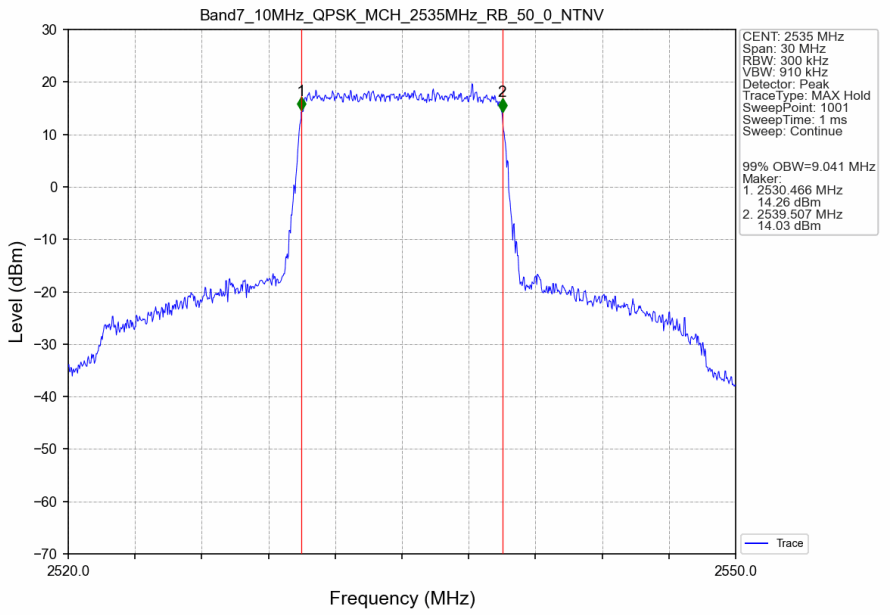
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	5.045	/	Pass
	16QAM	2535	25	0	5.035	/	Pass
10	QPSK	2535	50	0	9.921	/	Pass
	16QAM	2535	50	0	9.903	/	Pass
15	QPSK	2535	75	0	14.989	/	Pass
	16QAM	2535	75	0	14.942	/	Pass
20	QPSK	2535	100	0	19.737	/	Pass
	16QAM	2535	100	0	19.756	/	Pass

3.2 Test Graph

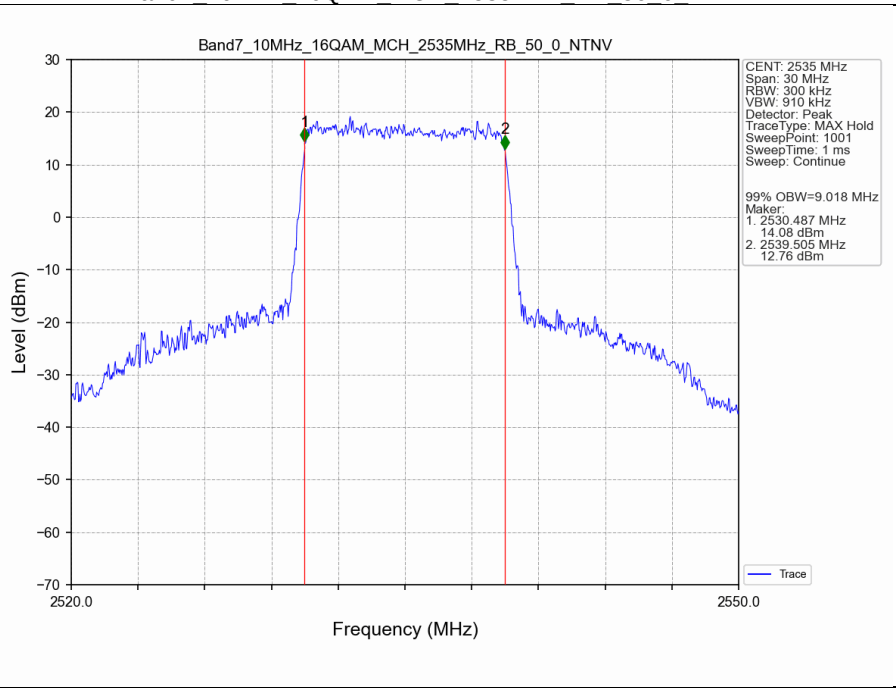
3.2.1 Band7_OBW

Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV

Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV


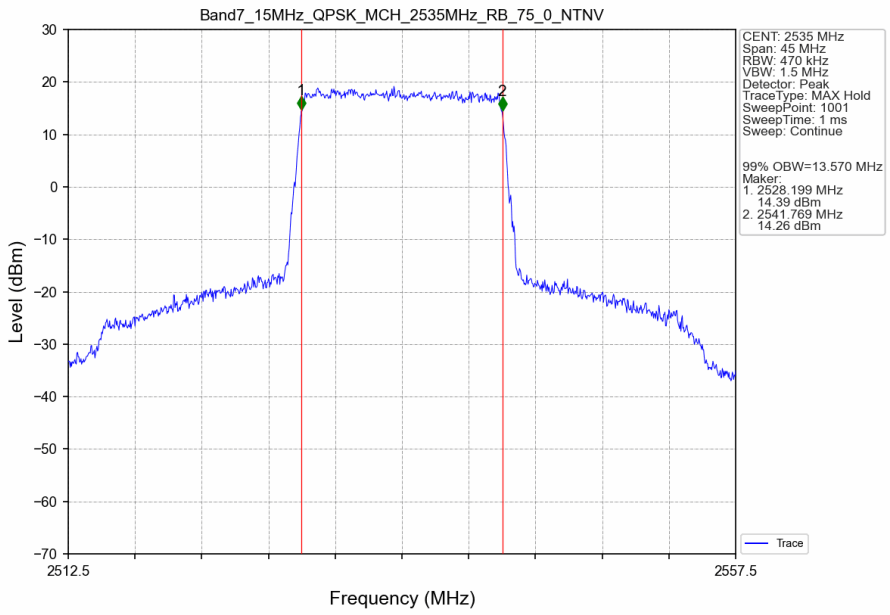
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



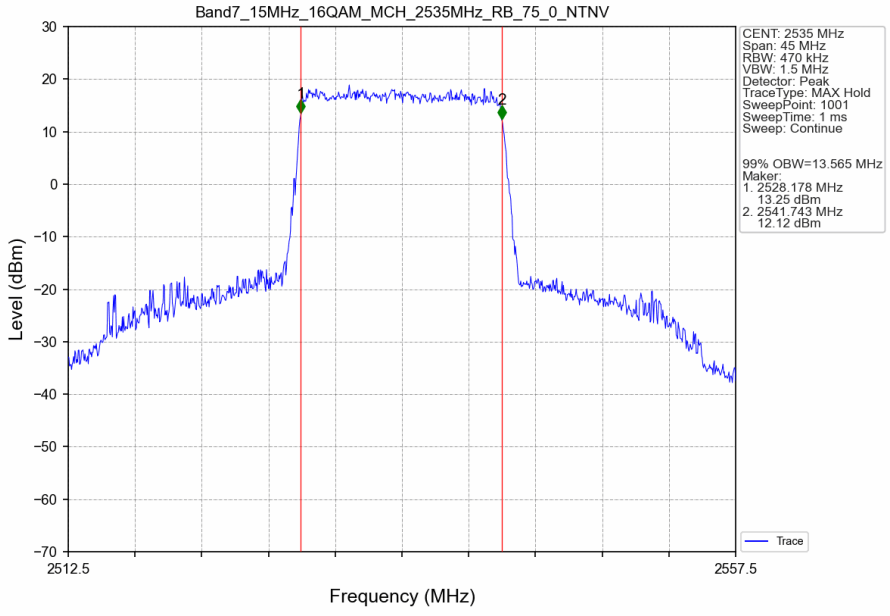
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



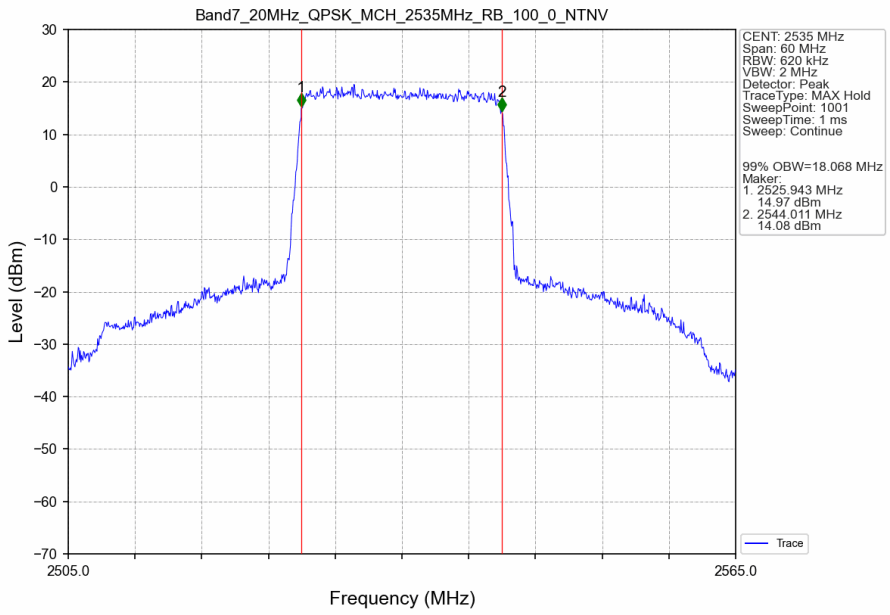
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



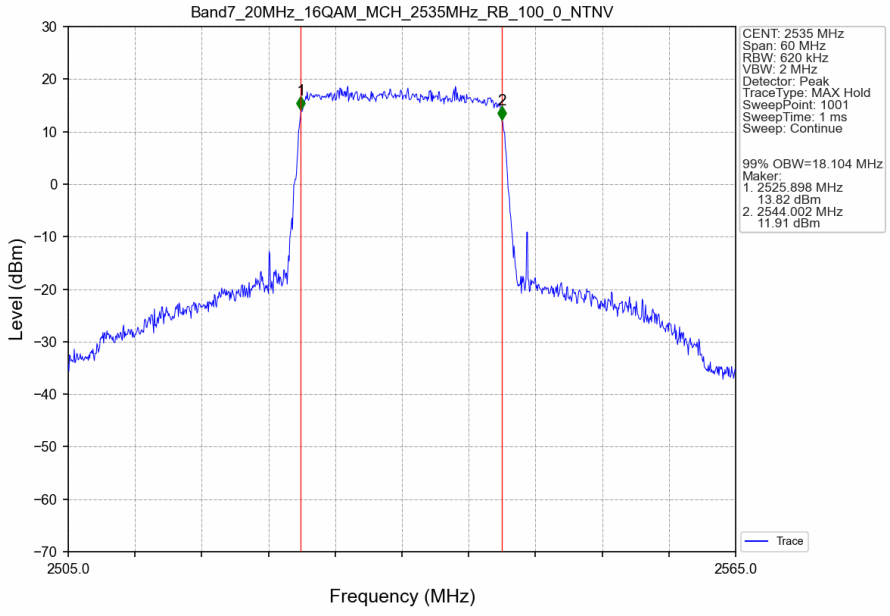
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



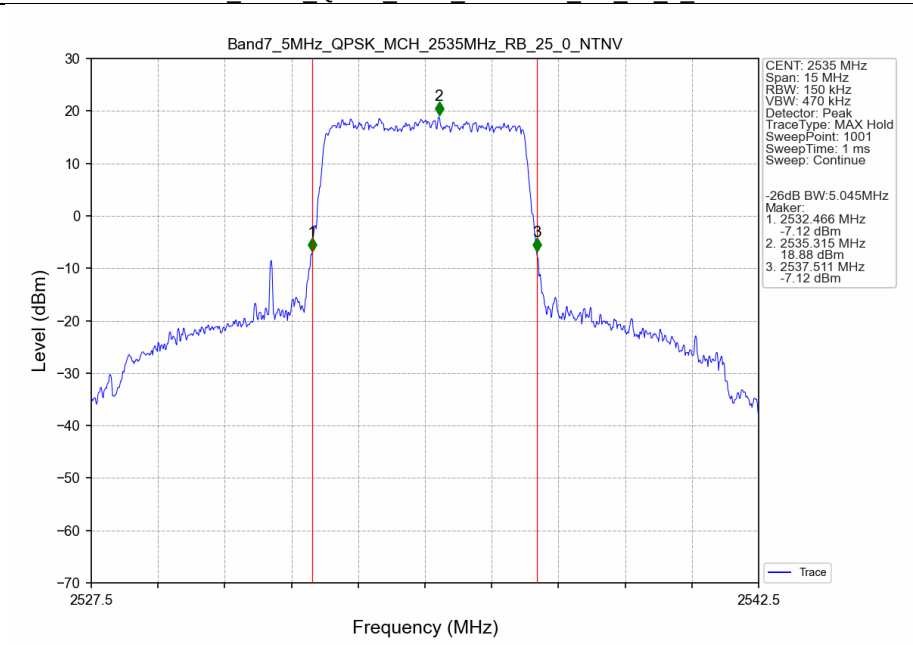
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV

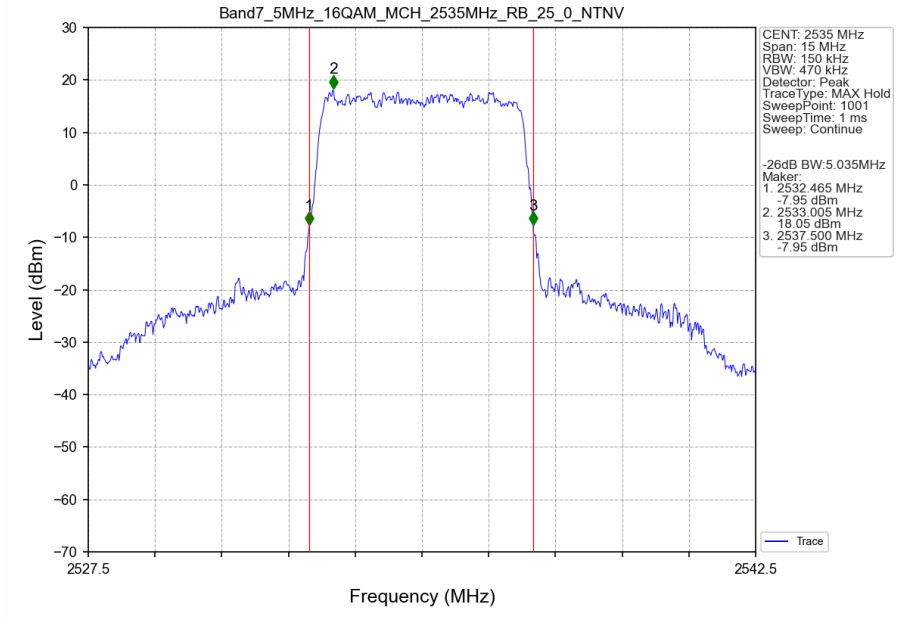


Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV

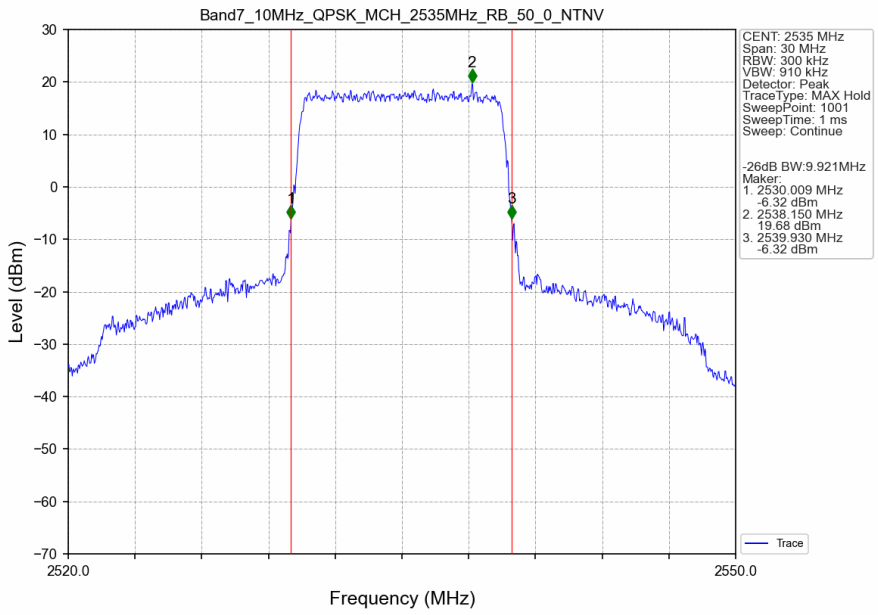


3.2.2 Band7_XDB

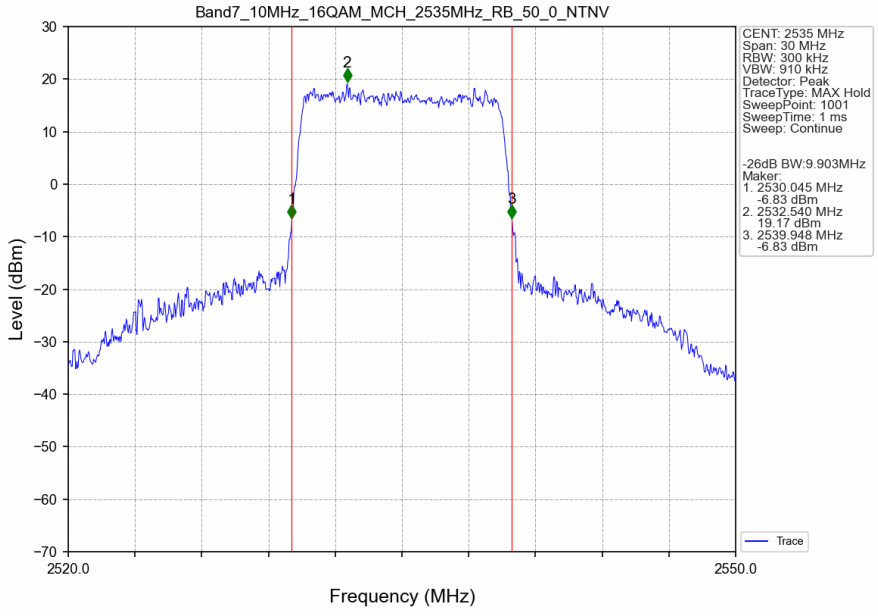
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV


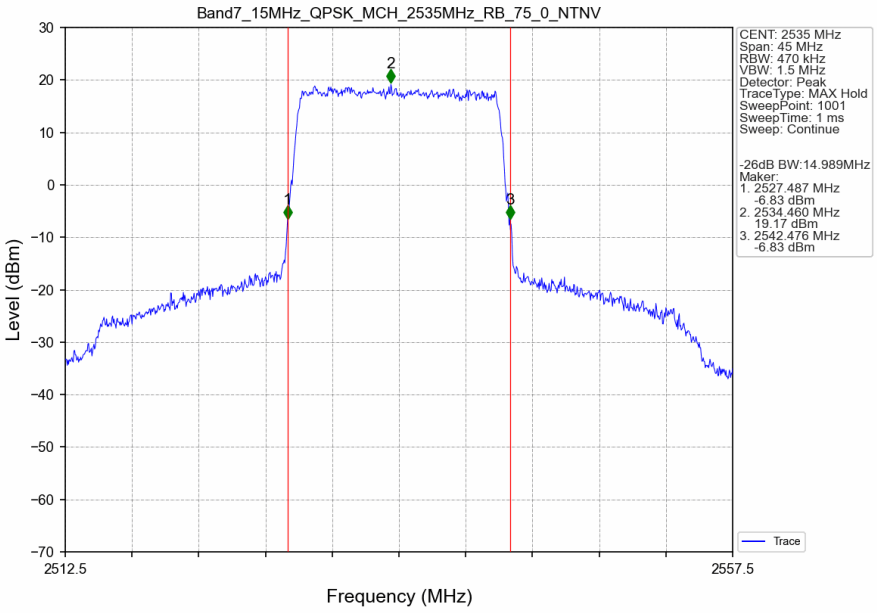
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV


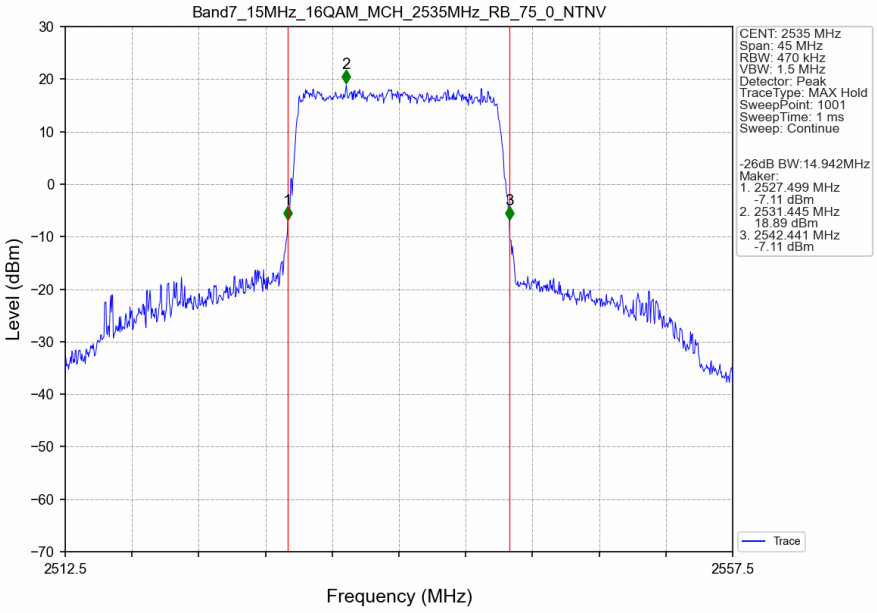
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



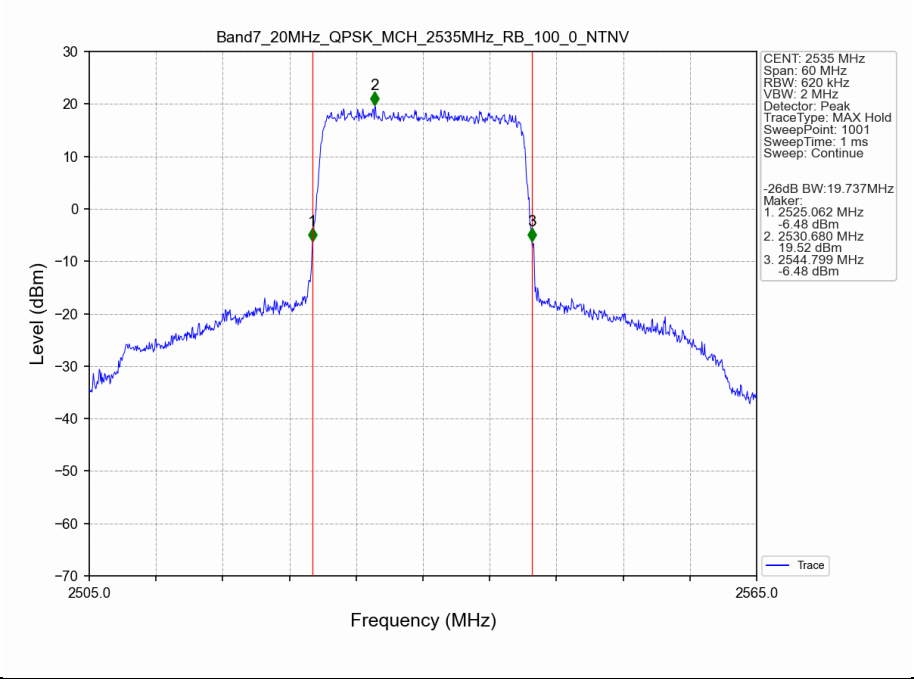
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



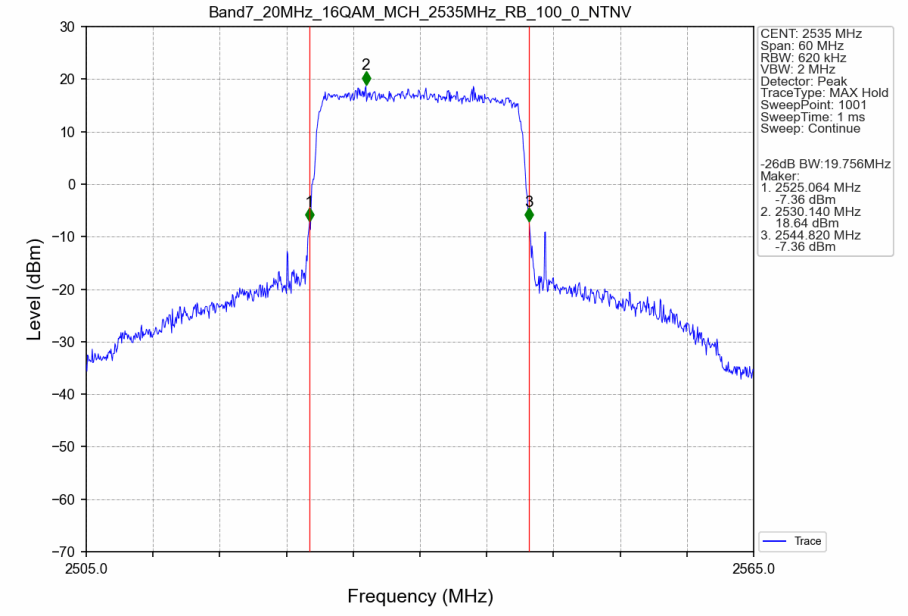
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV


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

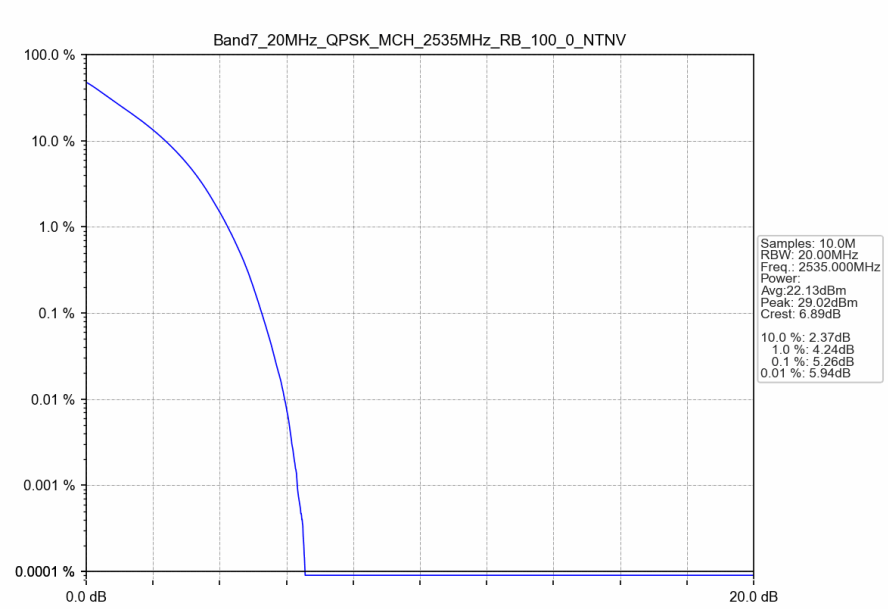
4.1.1 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	5.26	<=13	Pass
16QAM	2535	100	0	5.91	<=13	Pass
64QAM	2535	100	0	6.20	<=13	Pass
256QAM	2535	100	0	6.49	<=13	Pass

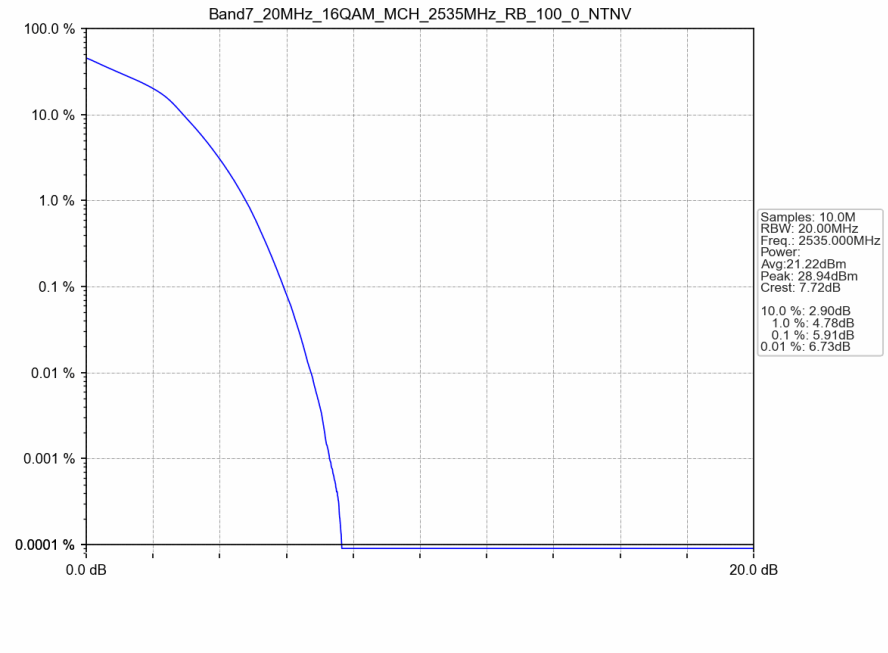
4.2 Test Graph

4.2.1 B7_20MHz

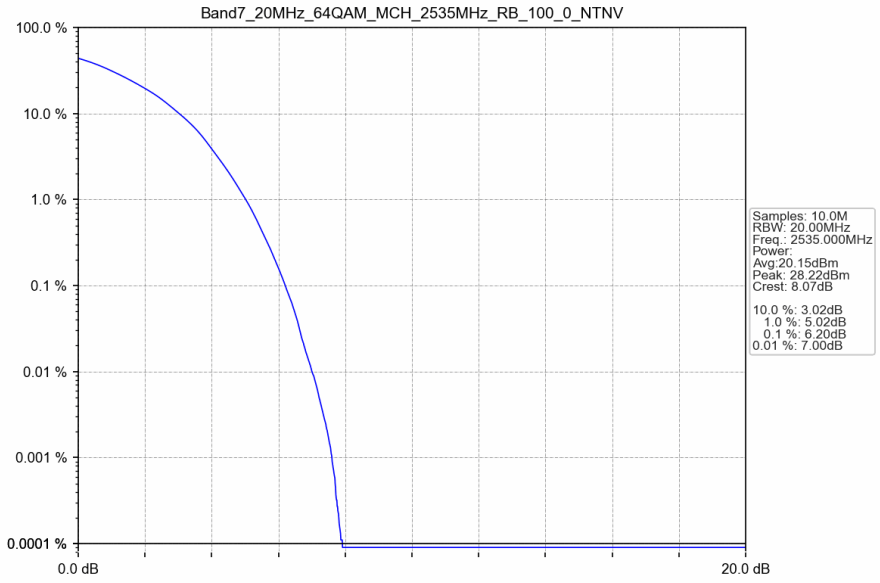
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



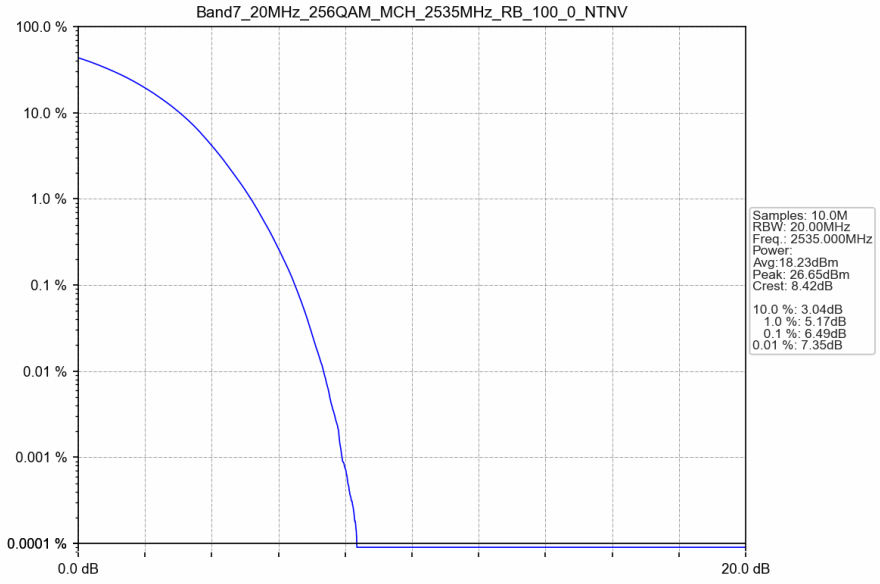
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_64QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_256QAM_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

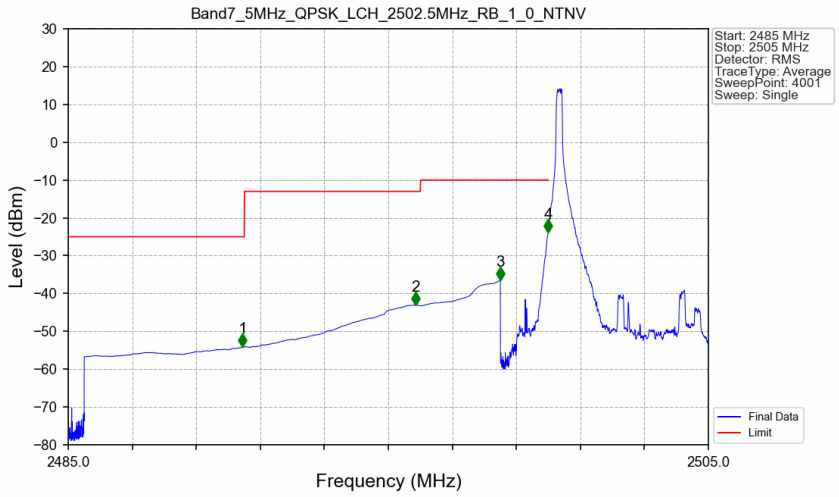
5.1.4 B7_20MHz

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

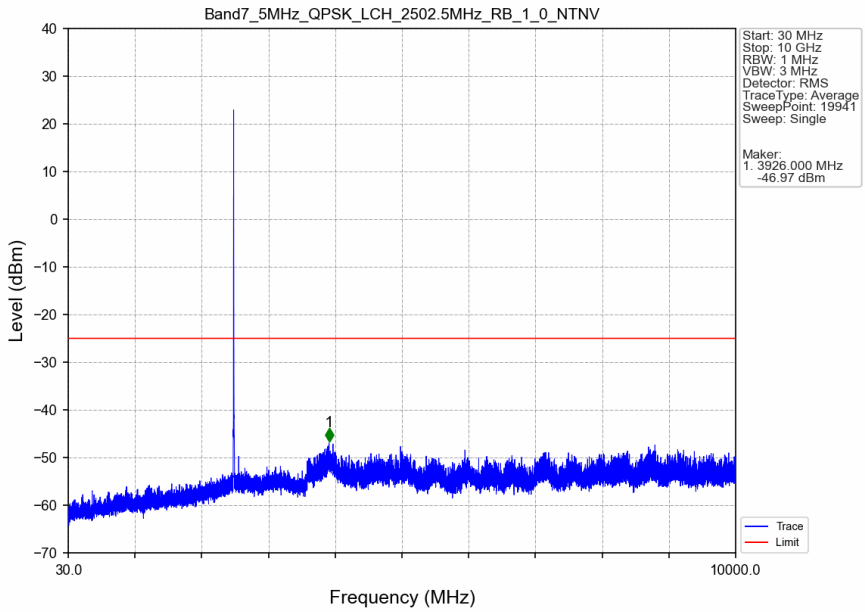
5.2.1 B7_5MHz

Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

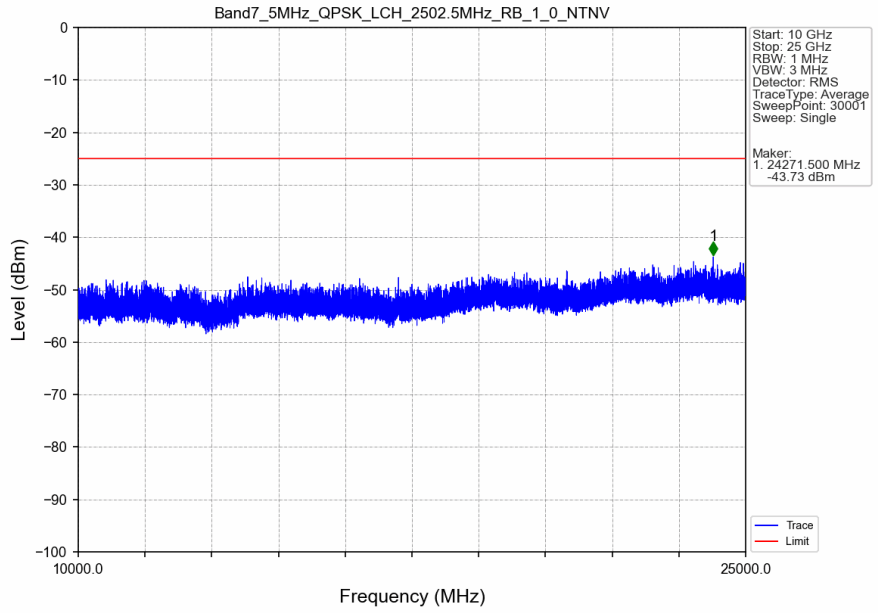


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.445	-54.14	-25	Pass
2490.5	2496	1	CHP	2	2495.860	-42.99	-13	Pass
2496	2499	1	CHP	3	2498.500	-36.53	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-23.84	-10	Pass
2500	2505	0.02	CHP	/	/	/	/	/

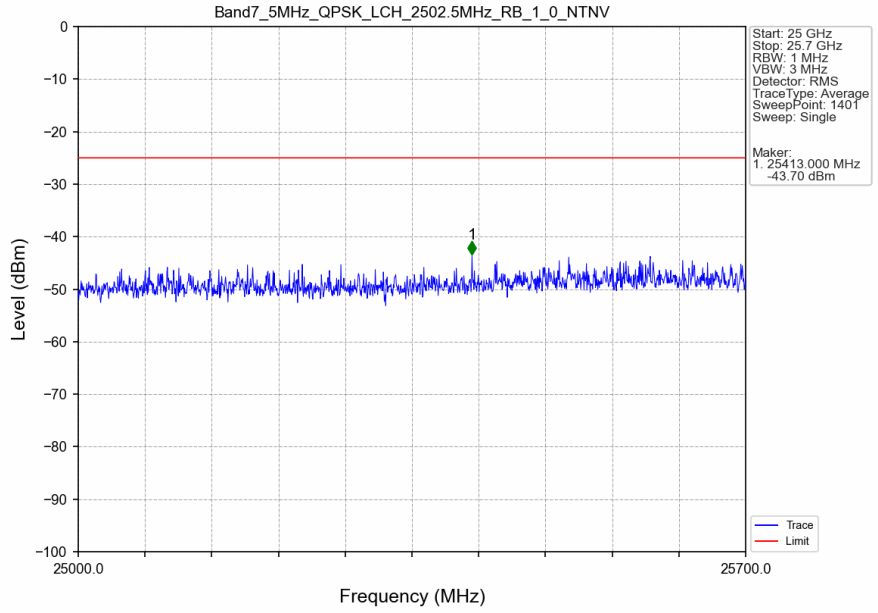
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



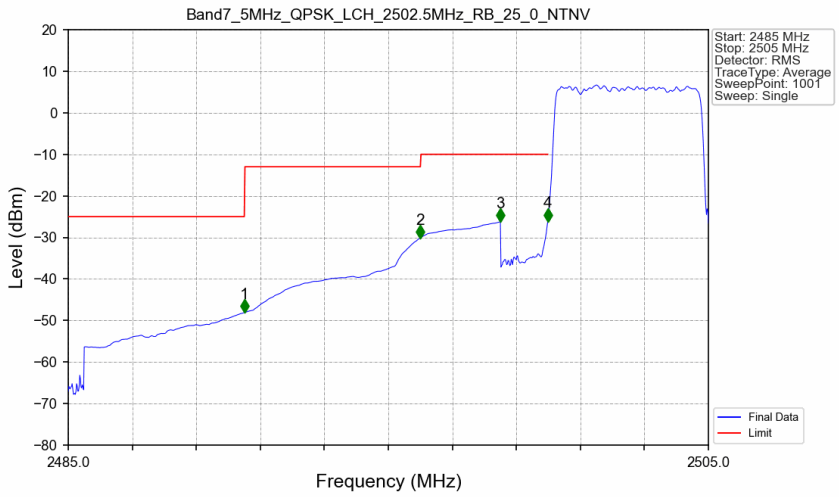
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

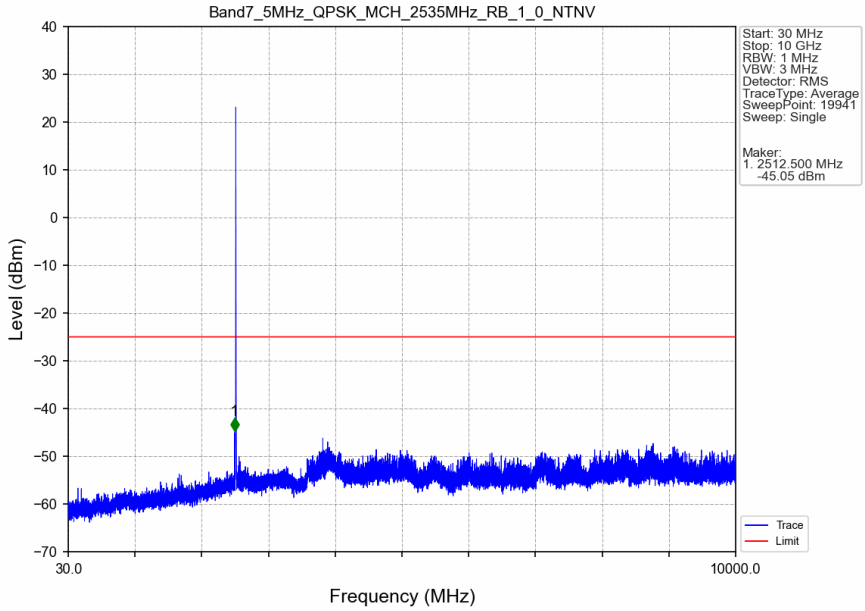


Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV

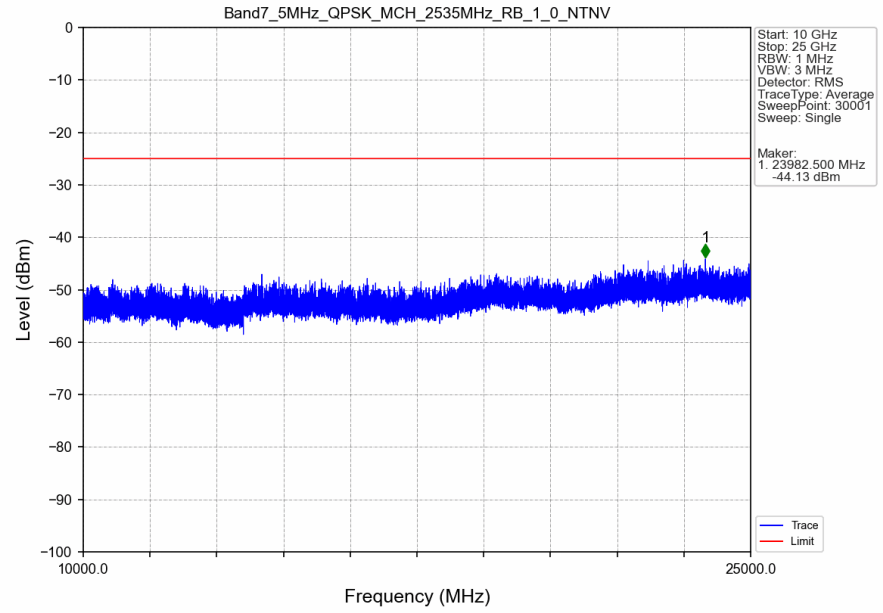


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-48.09	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-30.18	-13	Pass
2496	2499	1	CHP	3	2498.500	-26.24	-10	Pass
2499	2500	0.101	CHP	4	2499.980	-26.12	-10	Pass
2500	2505	0.101	CHP	/	/	/	/	/

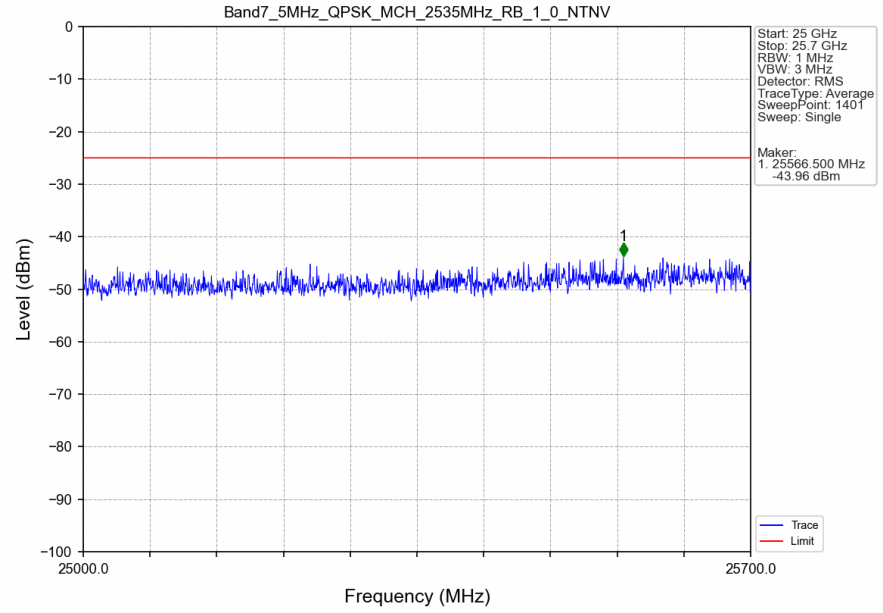
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



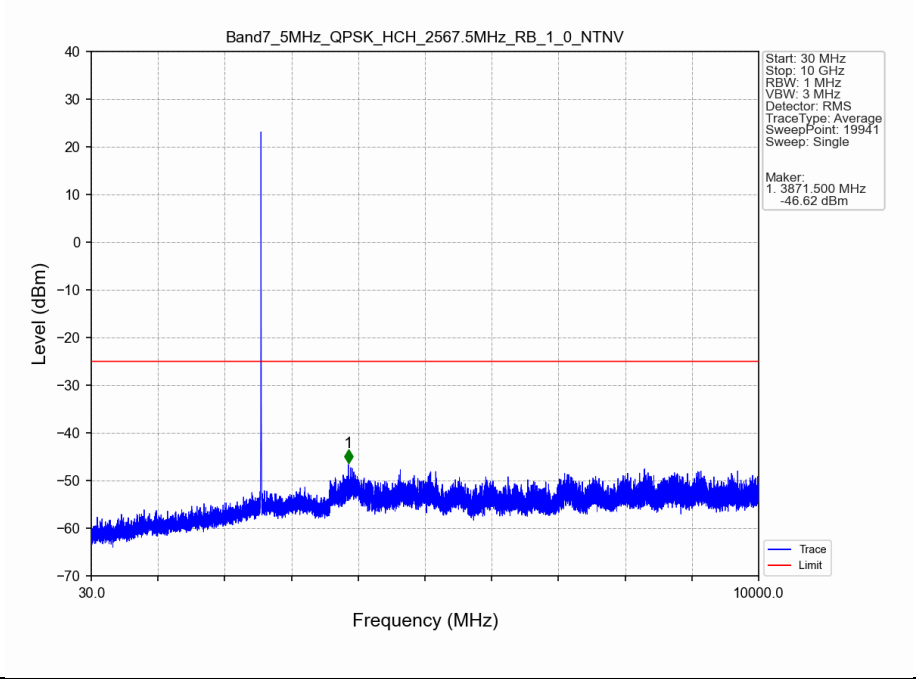
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



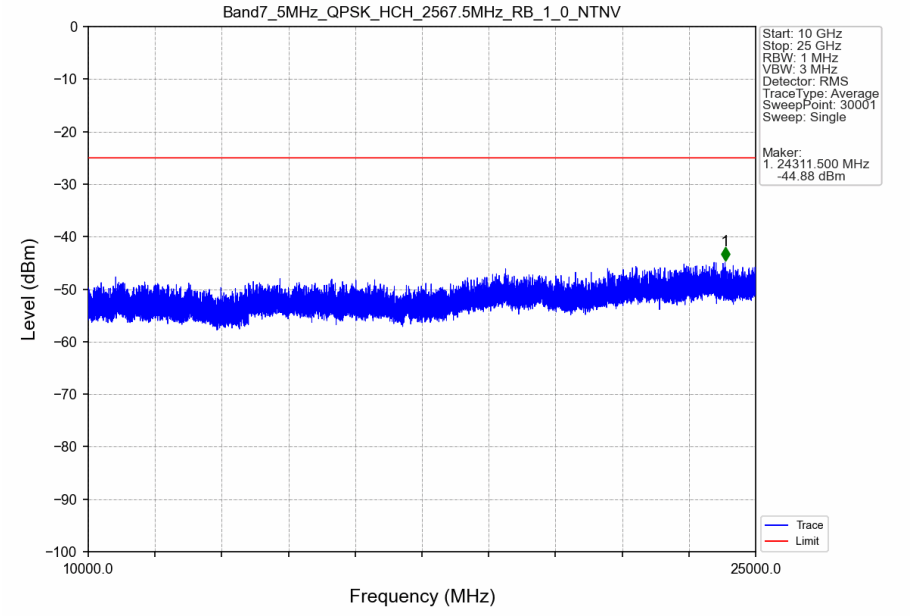
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



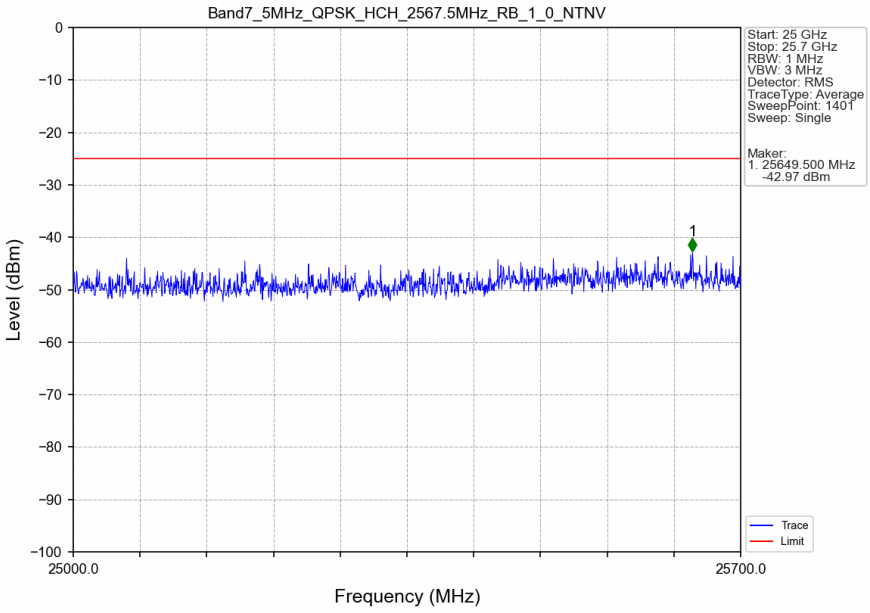
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



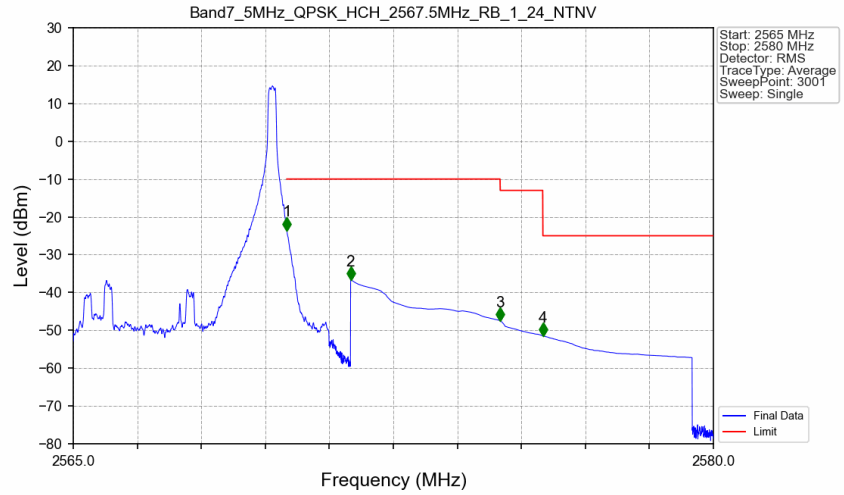
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV

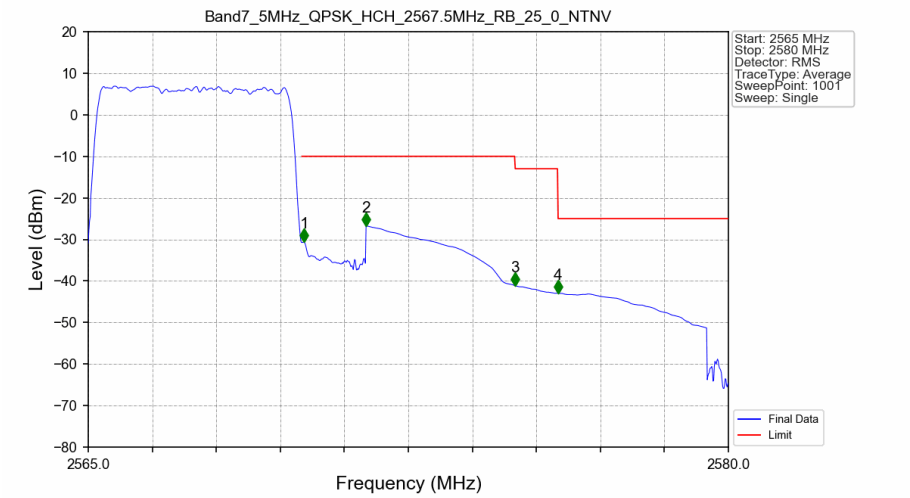


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



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	-23.54	-10	Pass
2571	2575	1	CHP	2	2571.500	-36.63	-10	Pass
2575	2576	1	CHP	3	2575.005	-47.51	-13	Pass
2576	2580	1	CHP	4	2576.005	-51.46	-25	Pass

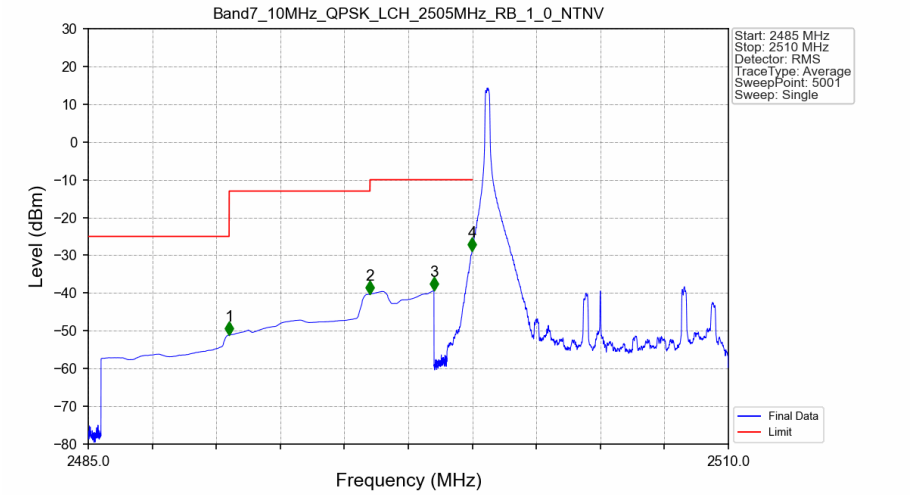
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



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	2570.055	-30.64	-10	Pass
2571	2575	1	CHP	2	2571.510	-26.72	-10	Pass
2575	2576	1	CHP	3	2575.005	-41.18	-13	Pass
2576	2580	1	CHP	4	2576.010	-42.95	-25	Pass

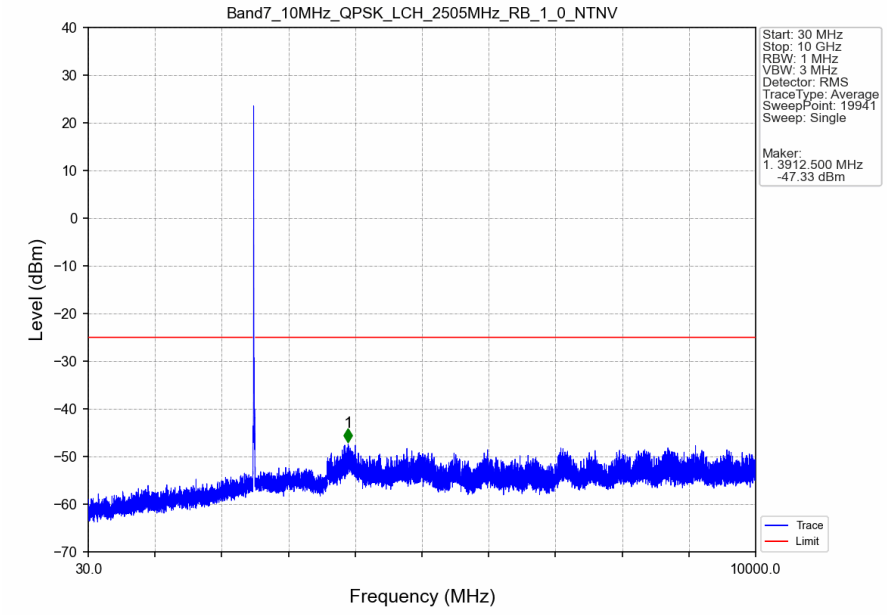
5.2.2 B7_10MHz

Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

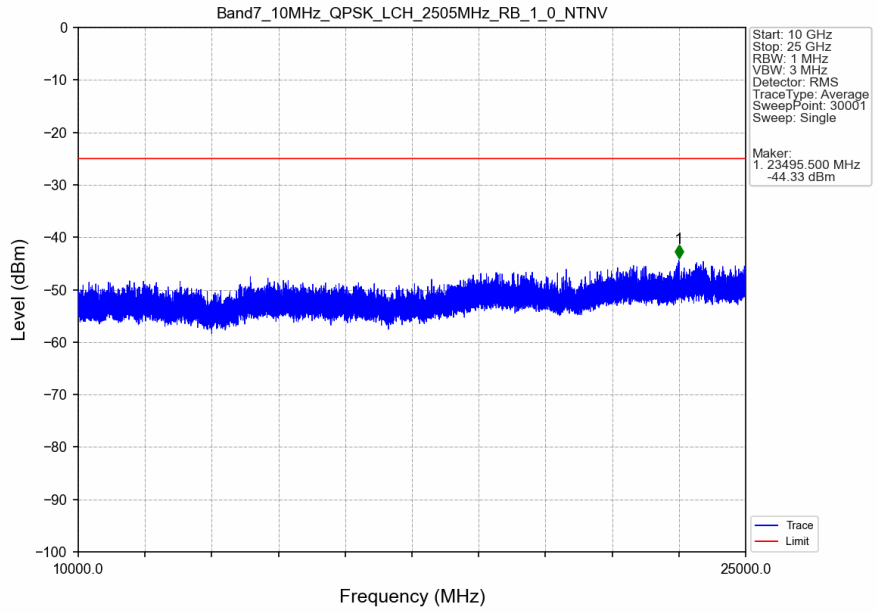


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-51.17	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-40.27	-13	Pass
2496	2499	1	CHP	3	2498.500	-39.34	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-28.80	-10	Pass
2500	2510	0.02	CHP	/	/	/	/	/

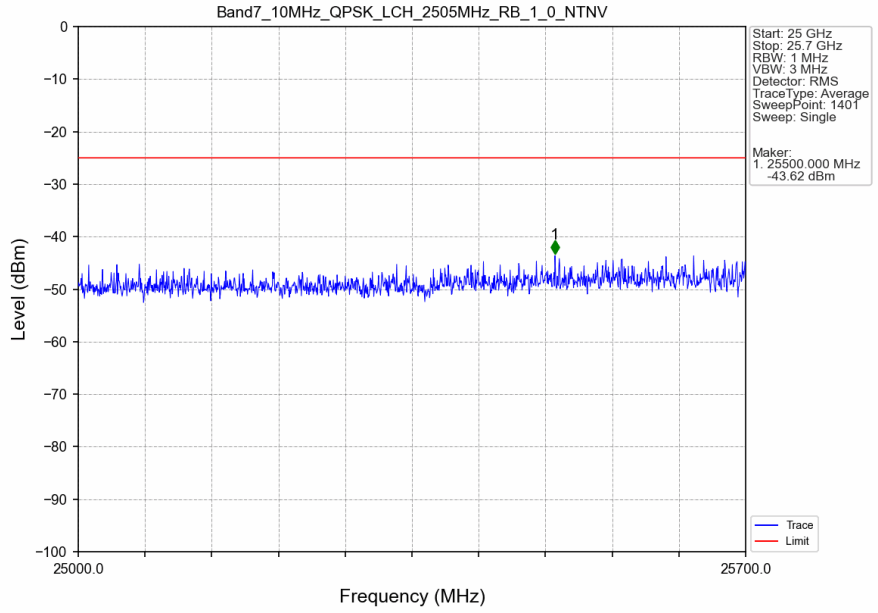
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



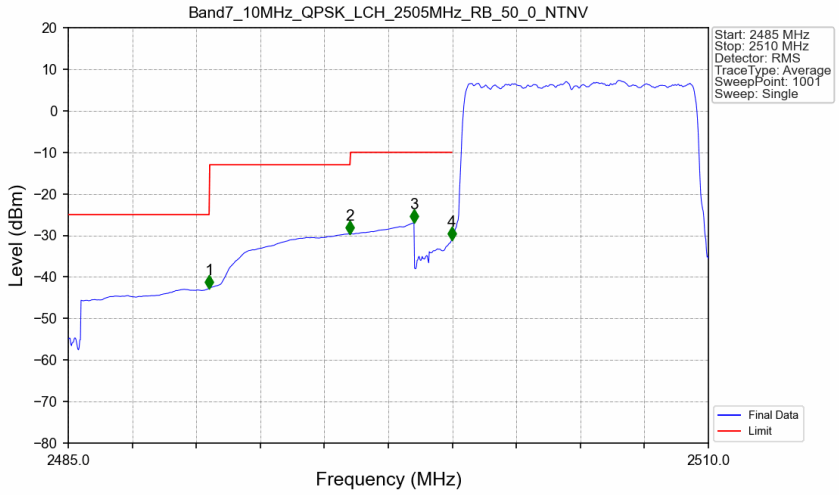
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

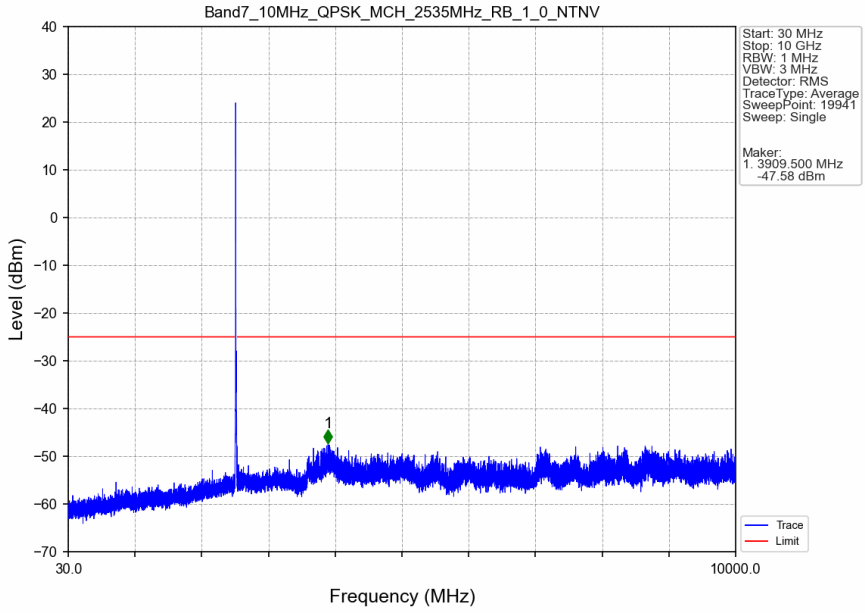


Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV

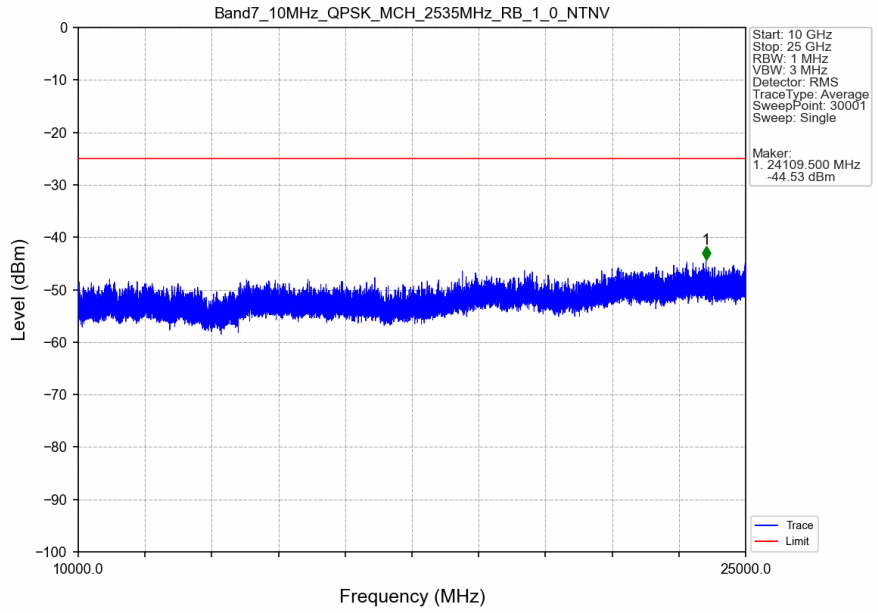


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-42.80	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-29.62	-13	Pass
2496	2499	1	CHP	3	2498.500	-26.94	-10	Pass
2499	2500	0.198	CHP	4	2499.975	-31.12	-10	Pass
2500	2510	0.198	CHP	/	/	/	/	/

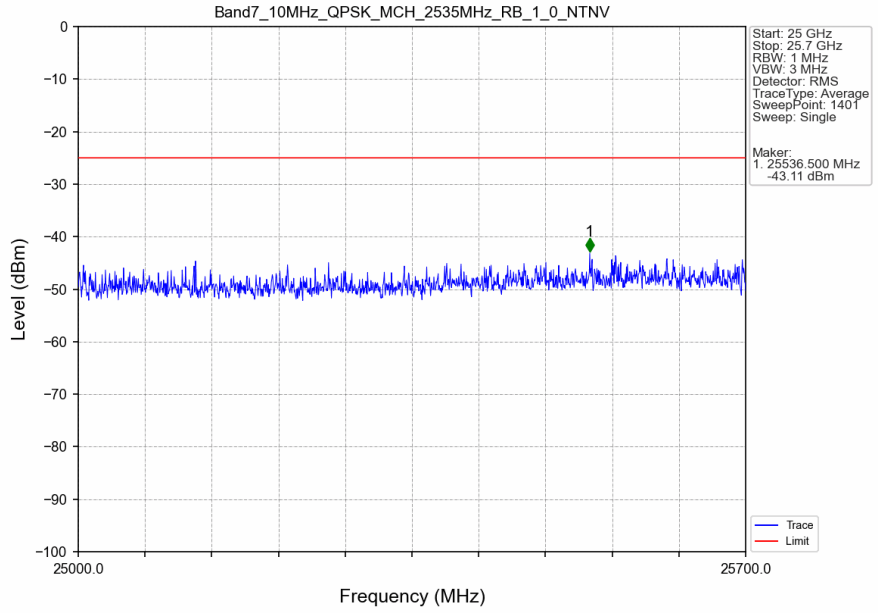
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



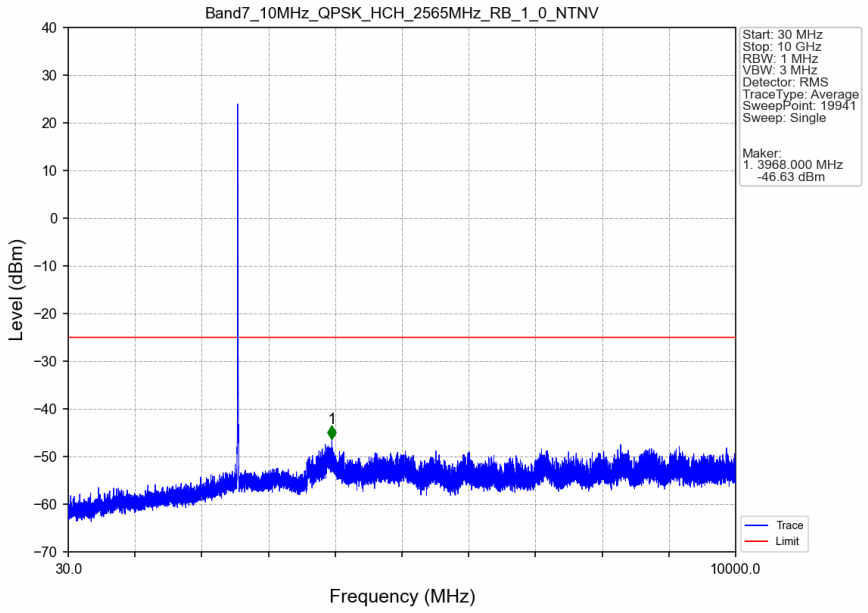
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



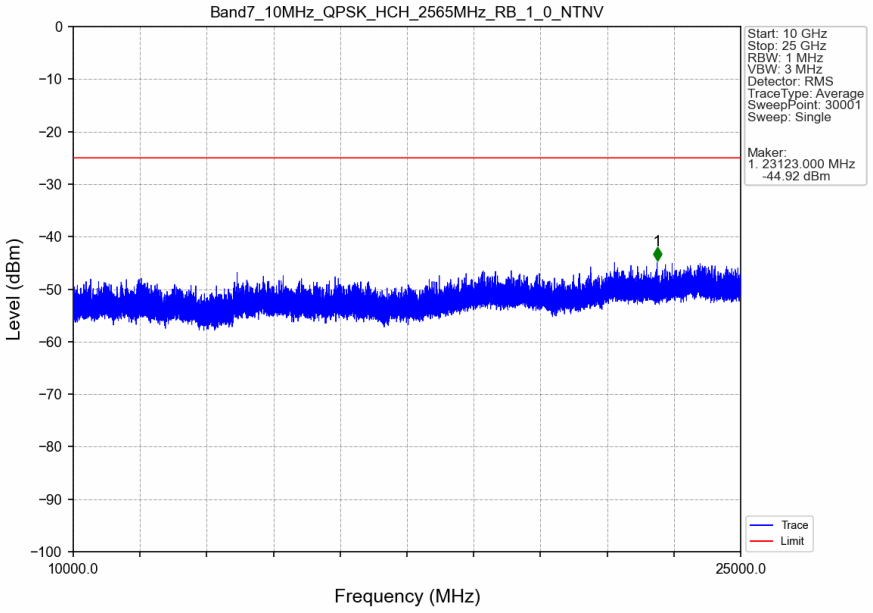
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



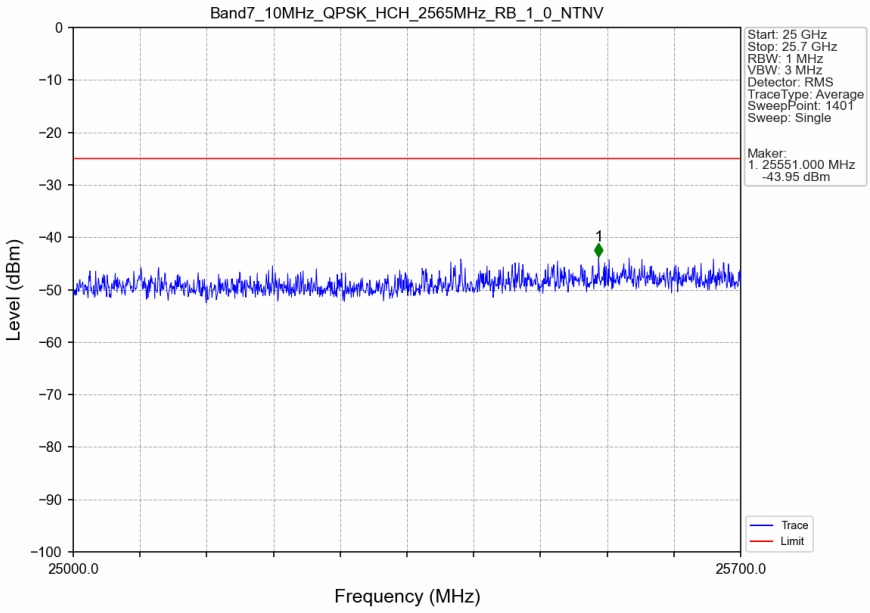
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



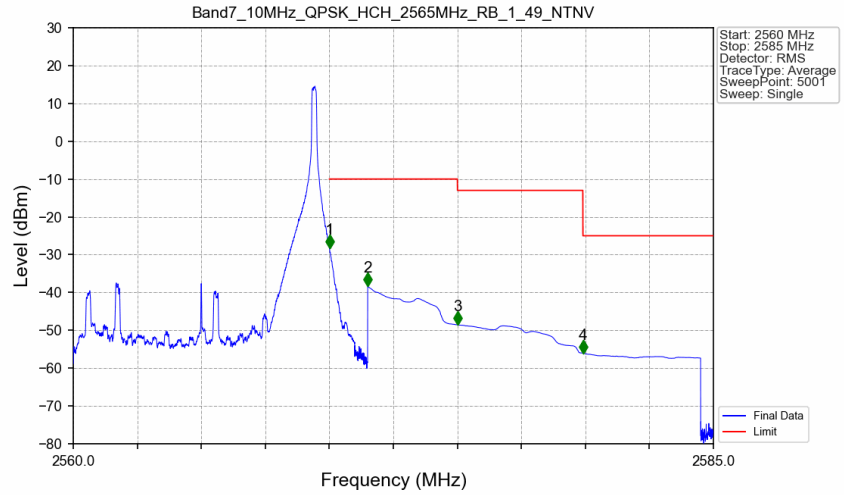
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV

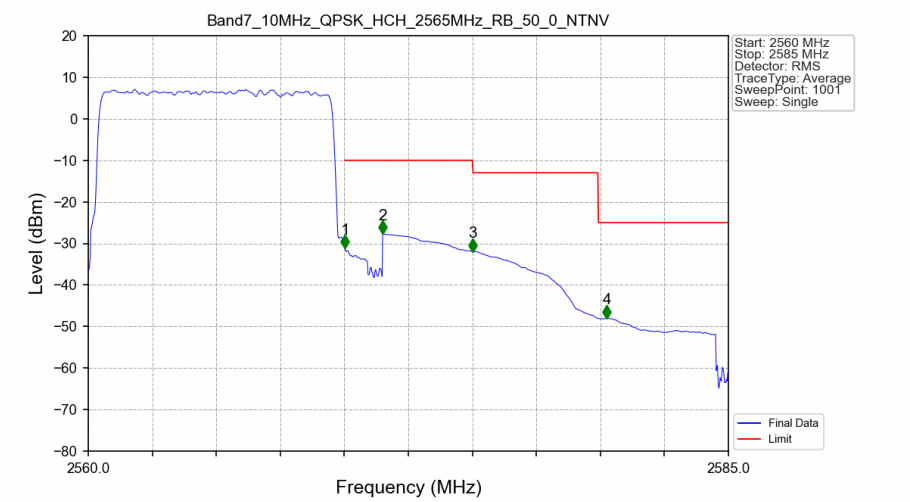


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



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	-28.26	-10	Pass
2571	2575	1	CHP	2	2571.500	-38.36	-10	Pass
2575	2579.903	1	CHP	3	2575.005	-48.53	-13	Pass
2579.903	2585	1	CHP	4	2579.910	-56.05	-25	Pass

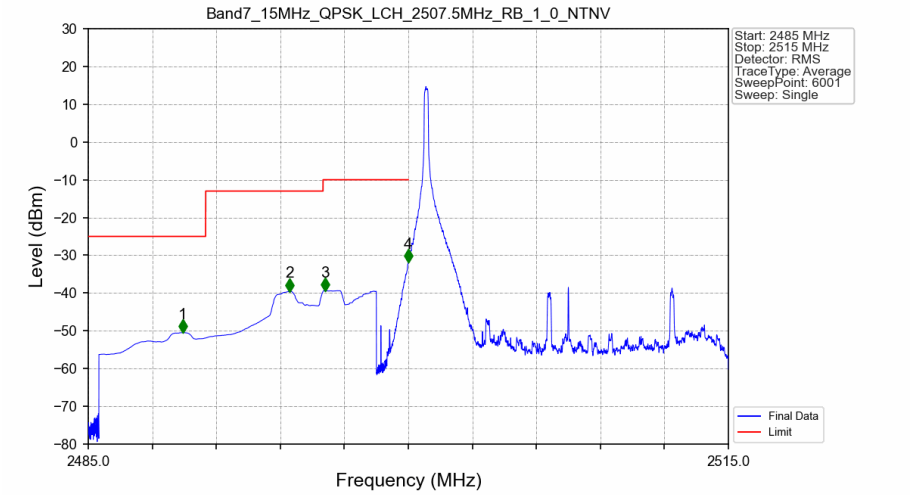
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.198	CHP	/	/	/	/	/
2570	2571	0.198	CHP	1	2570.025	-31.20	-10	Pass
2571	2575	1	CHP	2	2571.500	-27.67	-10	Pass
2575	2579.921	1	CHP	3	2575.025	-31.95	-13	Pass
2579.921	2585	1	CHP	4	2580.250	-47.98	-25	Pass

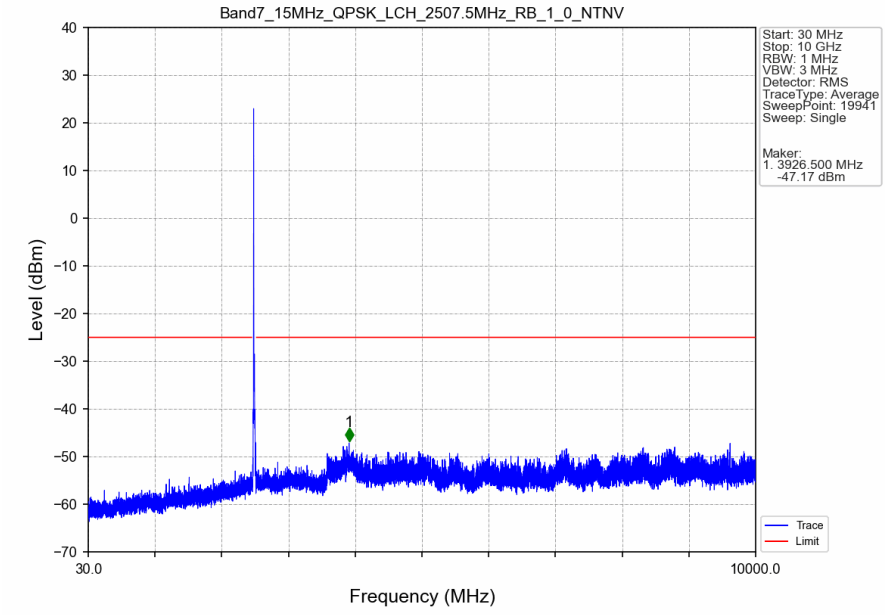
5.2.3 B7_15MHz

Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV

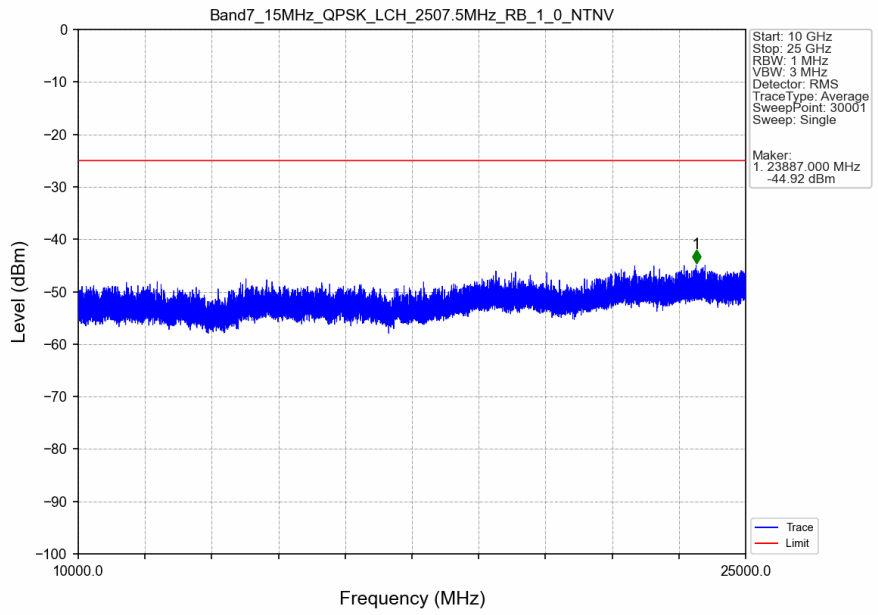


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.425	-50.48	-25	Pass
2490.5	2496	1	CHP	2	2494.450	-39.57	-13	Pass
2496	2499	1	CHP	3	2496.085	-39.39	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-31.92	-10	Pass
2500	2515	0.02	CHP	/	/	/	/	/

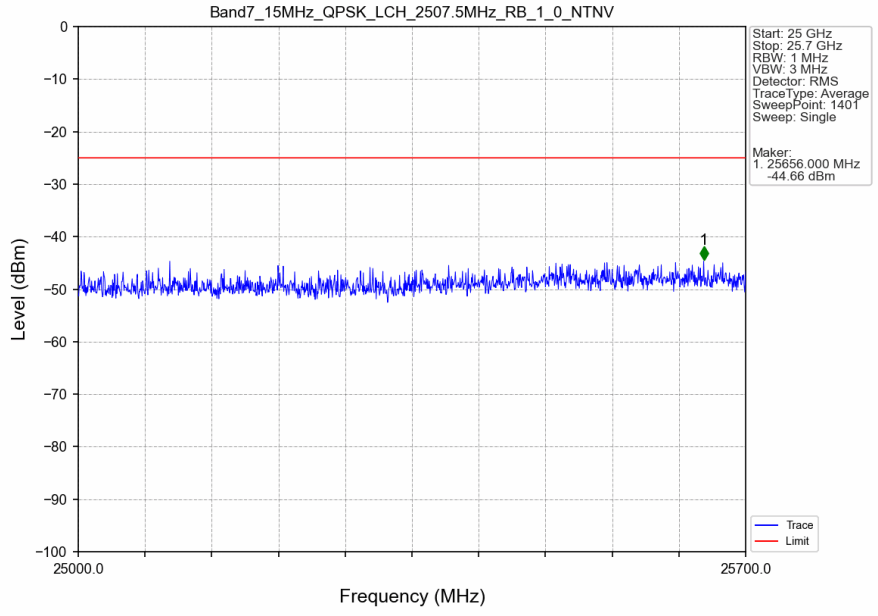
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



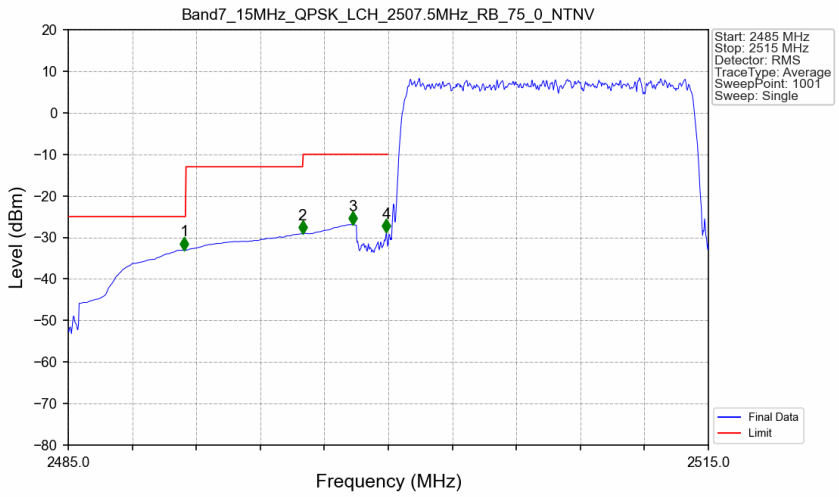
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV

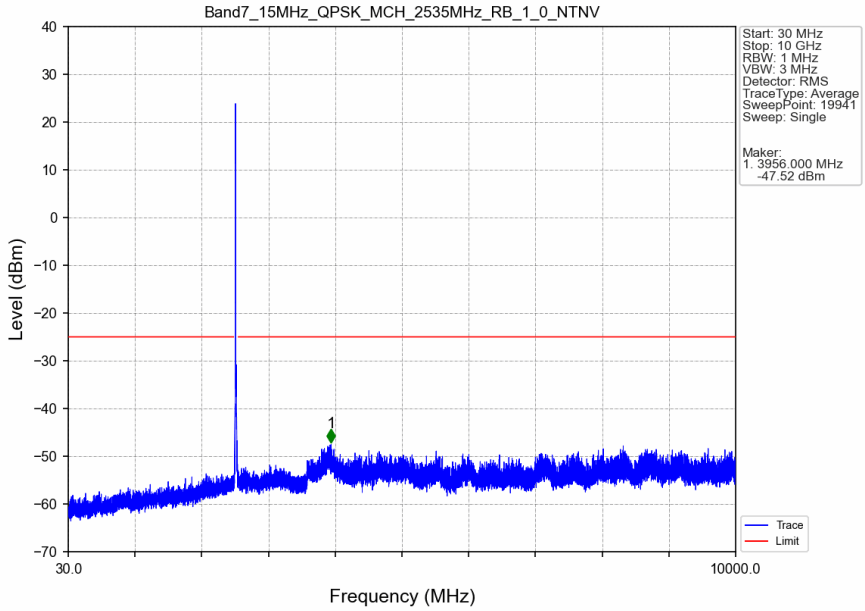


Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV

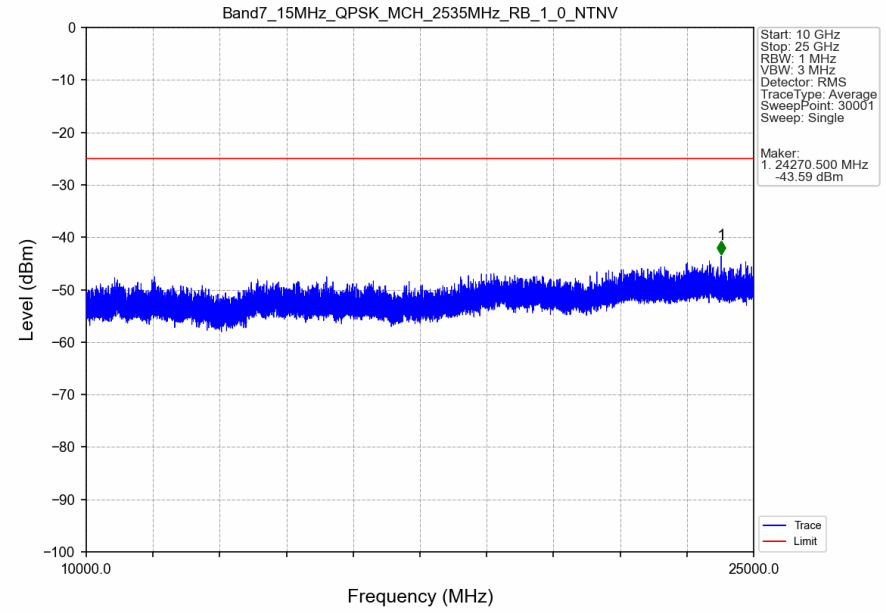


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.430	-33.04	-25	Pass
2490.5	2496	1	CHP	2	2495.980	-29.12	-13	Pass
2496	2499	1	CHP	3	2498.350	-26.93	-10	Pass
2499	2500	0.3	/	4	2499.910	-28.73	-10	Pass
2500	2515	0.3	/	/	/	/	/	/

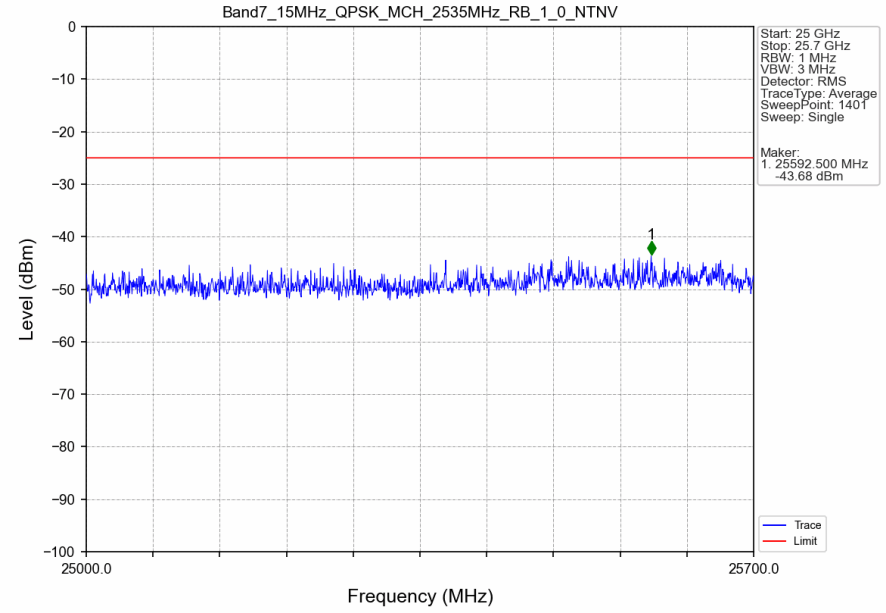
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



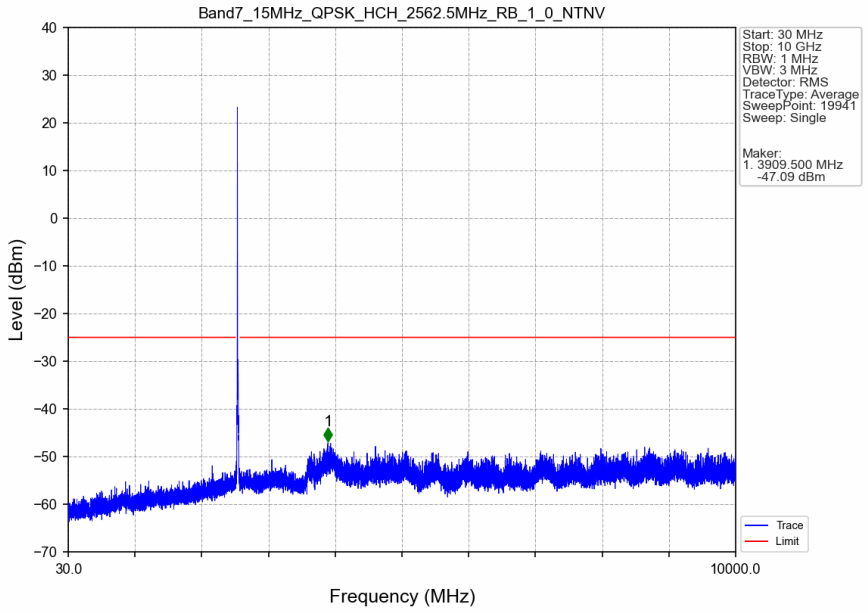
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



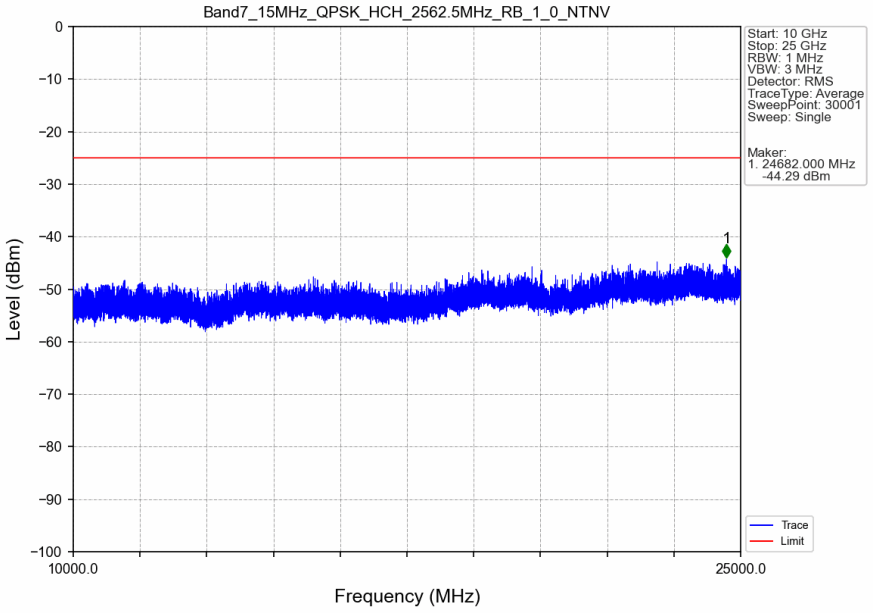
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



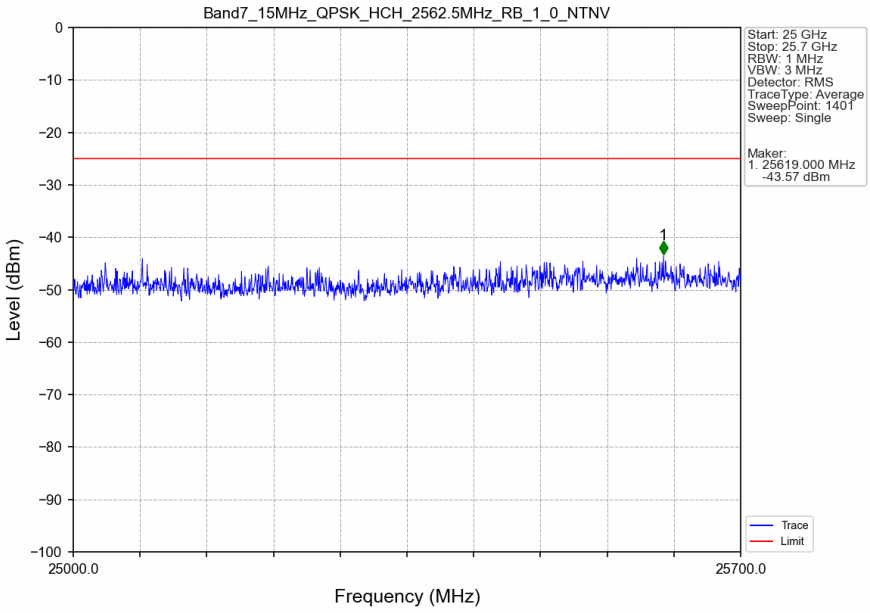
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



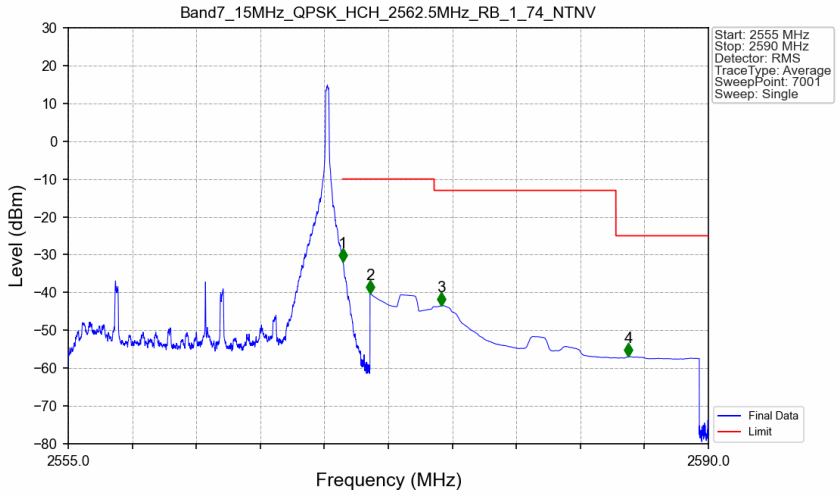
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV

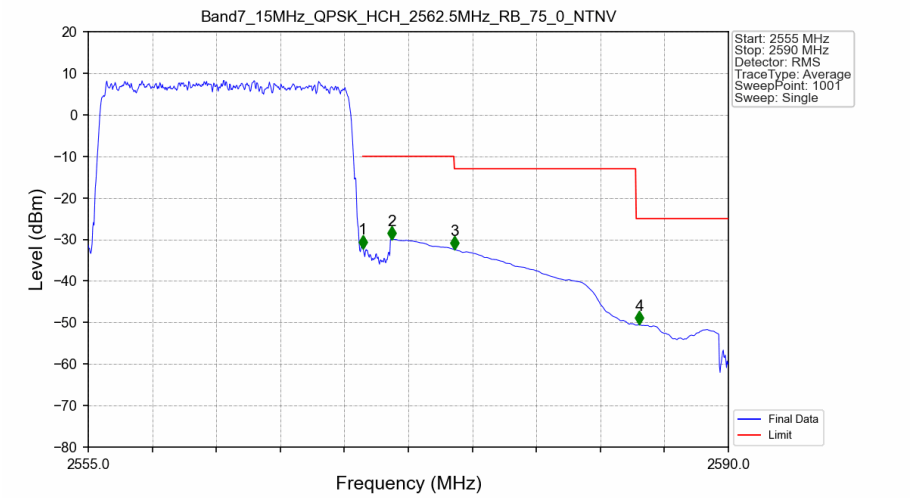


Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.015	-31.80	-10	Pass
2571	2575	1	CHP	2	2571.500	-40.28	-10	Pass
2575	2584.942	1	CHP	3	2575.415	-43.46	-13	Pass
2584.942	2590	1	CHP	4	2585.620	-56.98	-25	Pass

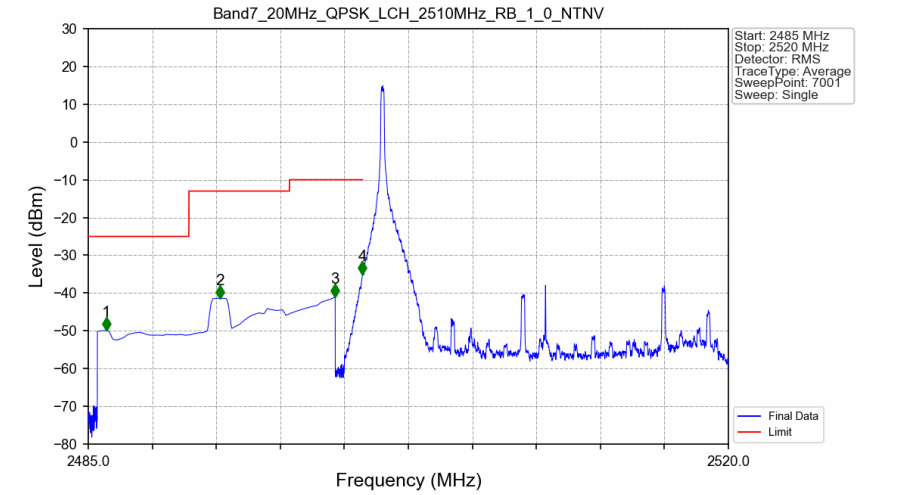
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.3	/	/	/	/	/	/
2570	2571	0.3	/	1	2570.015	-32.13	-10	Pass
2571	2575	1	CHP	2	2571.590	-29.97	-10	Pass
2575	2584.942	1	CHP	3	2575.020	-32.45	-13	Pass
2584.942	2590	1	CHP	4	2585.135	-50.52	-25	Pass

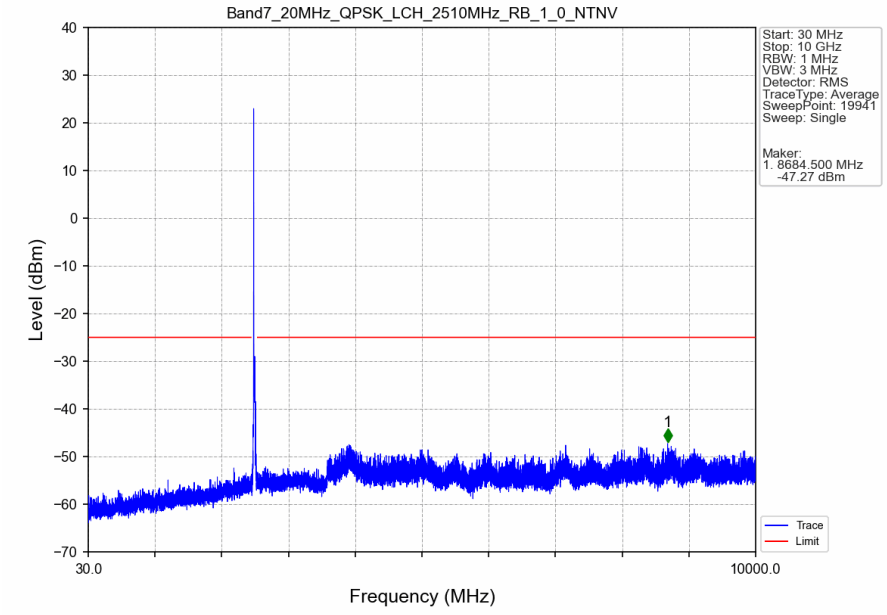
5.2.4 B7_20MHz

Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

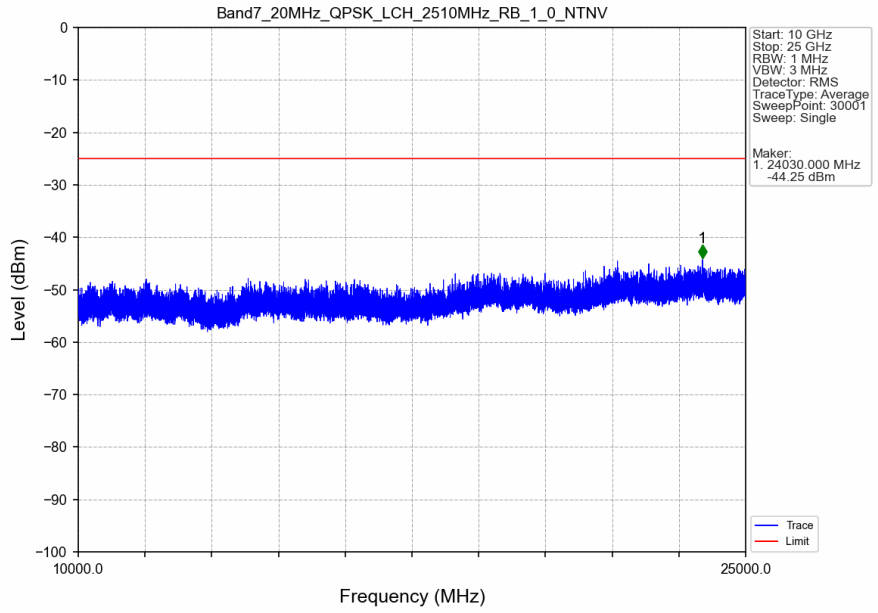


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.980	-49.94	-25	Pass
2490.5	2496	1	CHP	2	2492.210	-41.38	-13	Pass
2496	2499	1	CHP	3	2498.500	-41.08	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-35.13	-10	Pass
2500	2520	0.02	CHP	/	/	/	/	/

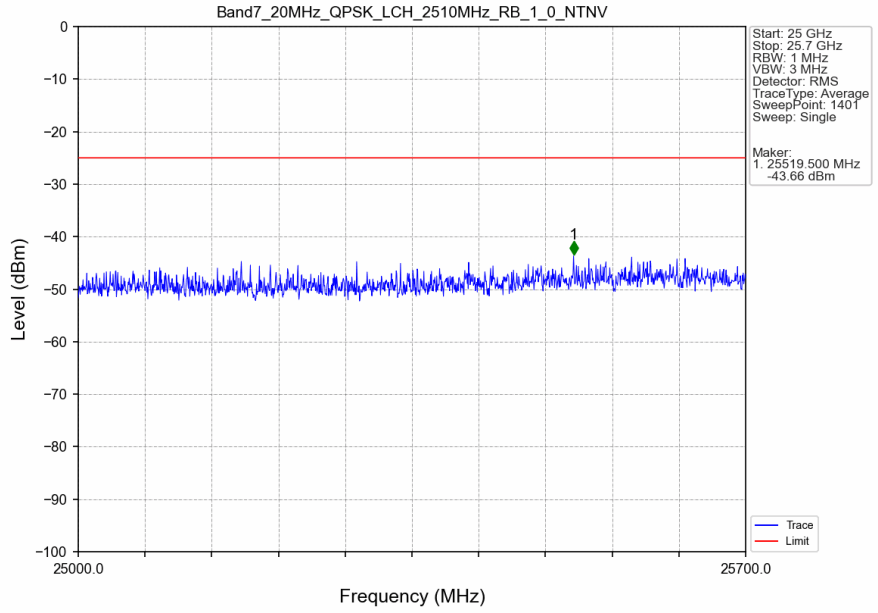
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



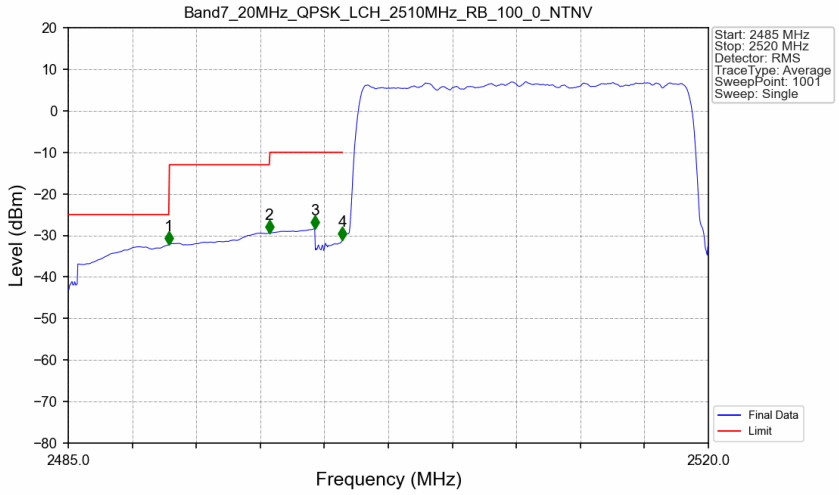
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

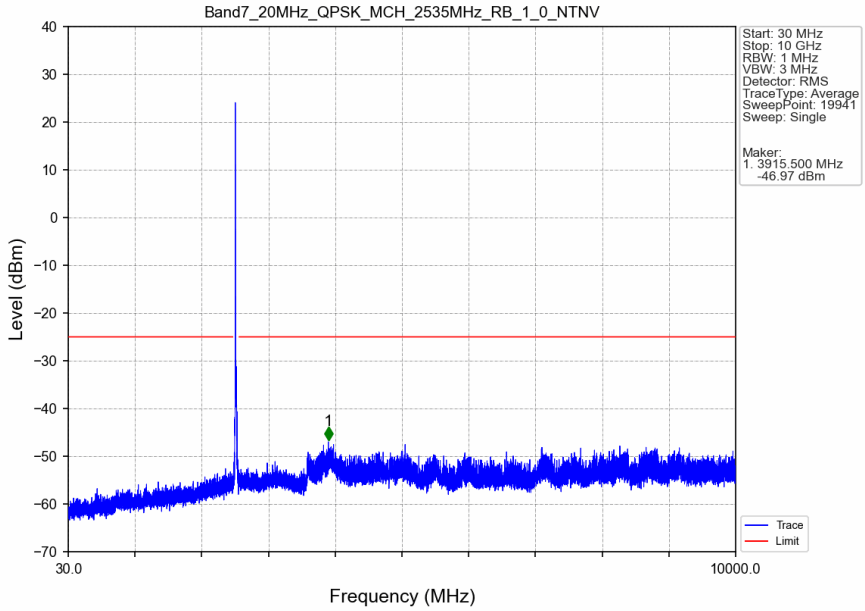


Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV

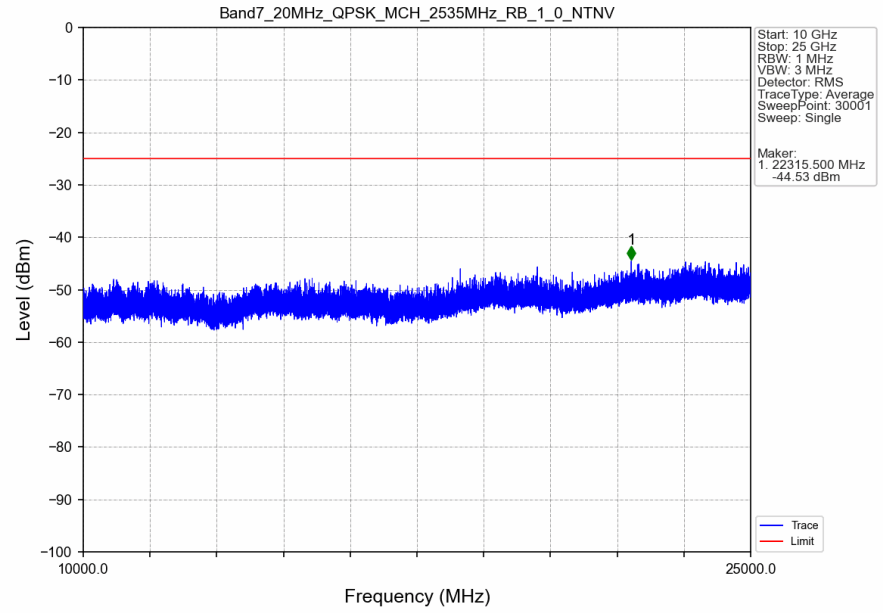


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.495	-32.26	-25	Pass
2490.5	2496	1	CHP	2	2495.990	-29.42	-13	Pass
2496	2499	1	CHP	3	2498.475	-28.42	-10	Pass
2499	2500	0.395	CHP	4	2499.980	-31.14	-10	Pass
2500	2520	0.395	CHP	/	/	/	/	/

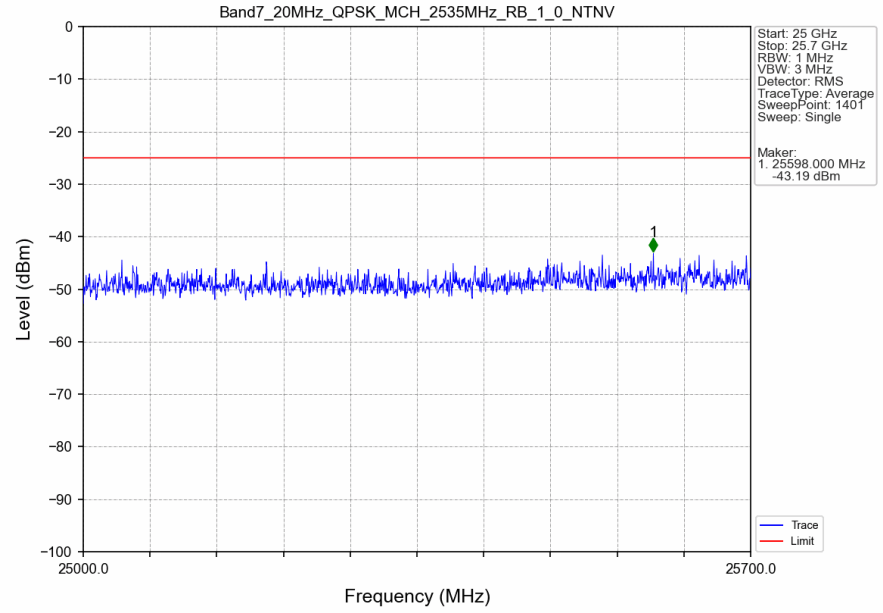
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



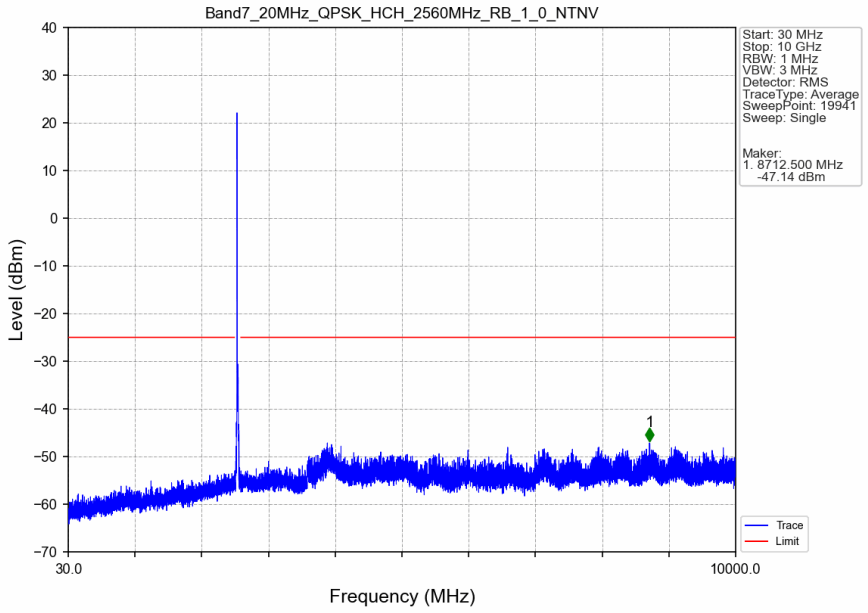
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



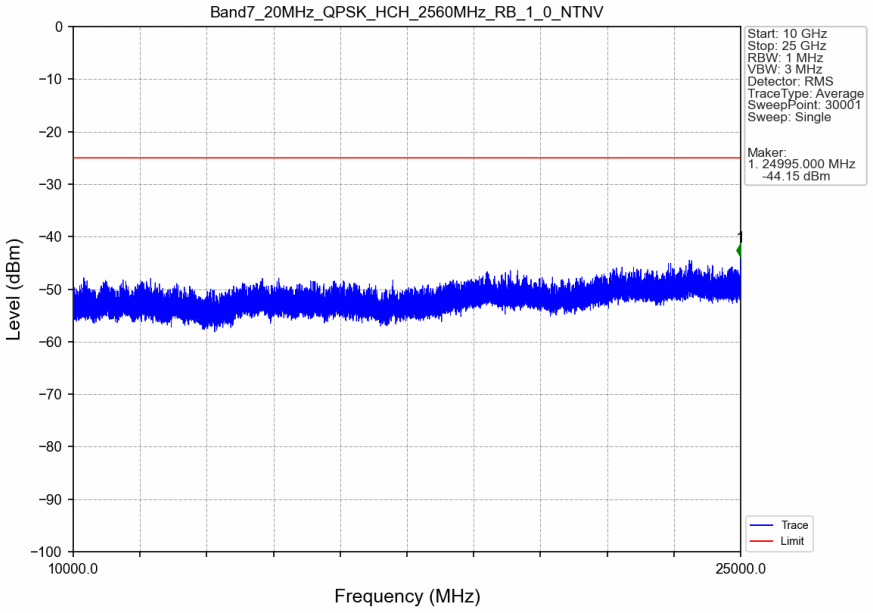
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



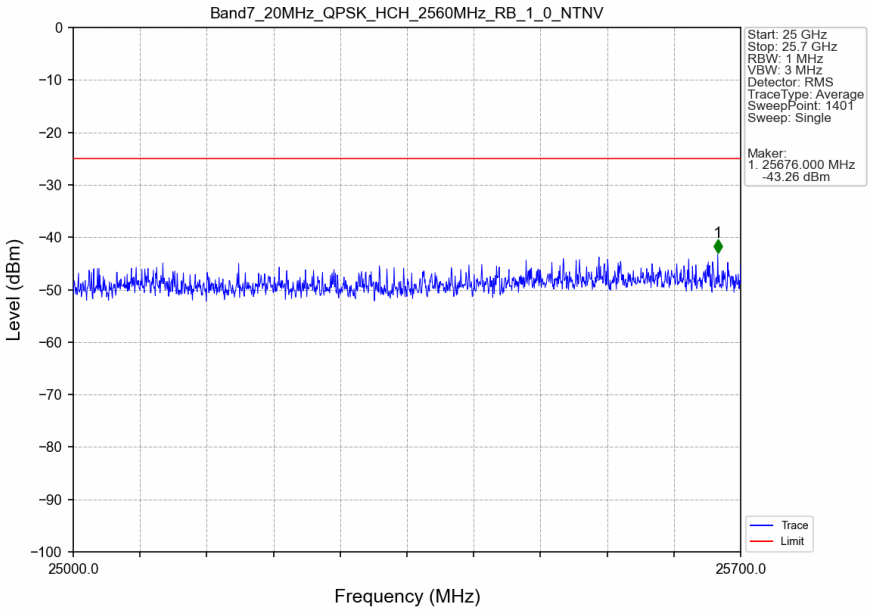
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



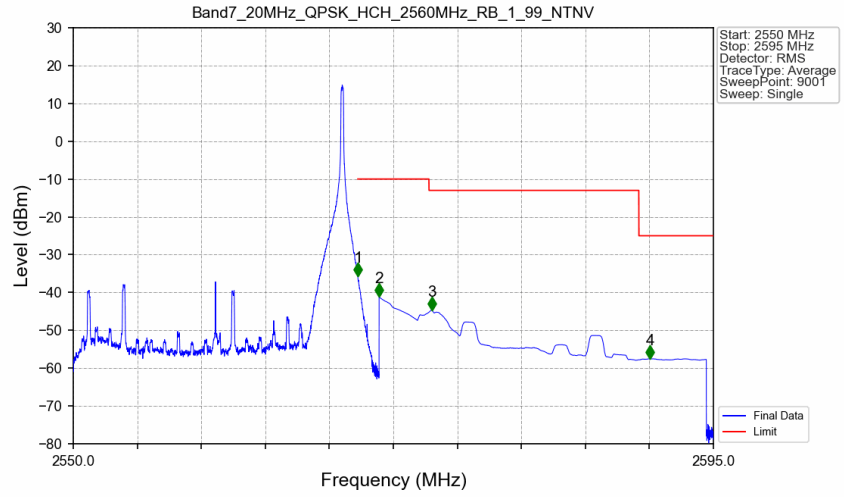
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV

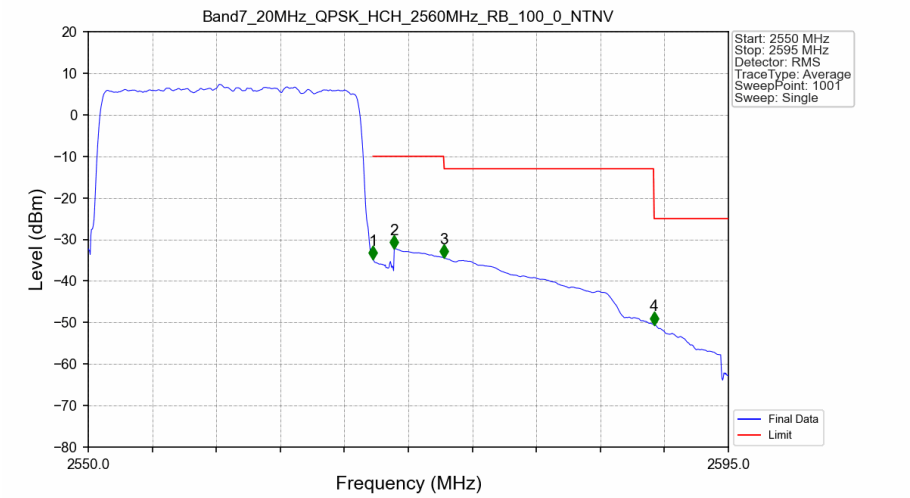


Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV



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	-35.72	-10	Pass
2571	2575	1	CHP	2	2571.500	-41.15	-10	Pass
2575	2589.756	1	CHP	3	2575.200	-44.61	-13	Pass
2589.756	2595	1	CHP	4	2590.545	-57.52	-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	0.395	CHP	/	/	/	/	/
2570	2571	0.395	CHP	1	2570.025	-34.70	-10	Pass
2571	2575	1	CHP	2	2571.510	-32.23	-10	Pass
2575	2589.756	1	CHP	3	2575.020	-34.46	-13	Pass
2589.756	2595	1	CHP	4	2589.780	-50.53	-25	Pass

6. Field Strength of Spurious Radiation

LTE Band 7-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**
5002.0	-62.78	-25	-37.78	-68.35	4.57	10.14	Horizontal	Pass
7503.0	-59.83	-25	-34.83	-66.63	4.94	11.74	Horizontal	Pass
10004.0	-56.61	-25	-31.61	-64.18	5.46	13.03	Horizontal	Pass
5002.0	-62.44	-25	-37.44	-68.01	4.57	10.14	Vertical	Pass
7503.0	-60.37	-25	-35.37	-67.17	4.94	11.74	Vertical	Pass
10004.0	-56.66	-25	-31.66	-64.23	5.46	13.03	Vertical	Pass

LTE Band 7-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	-62.84	-25	-37.84	-68.42	4.59	10.17	Horizontal	Pass
7578.0	-59.98	-25	-34.98	-66.86	4.95	11.83	Horizontal	Pass
10104.0	-56.69	-25	-31.69	-64.26	5.48	13.05	Horizontal	Pass
5052.0	-62.93	-25	-37.93	-68.51	4.59	10.17	Vertical	Pass
7578.0	-59.95	-25	-34.95	-66.83	4.95	11.83	Vertical	Pass
10104.0	-56.18	-25	-31.18	-63.75	5.48	13.05	Vertical	Pass

LTE Band 7-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	-63.09	-25	-38.09	-68.69	4.6	10.2	Horizontal	Pass
7653.0	-59.66	-25	-34.66	-66.63	4.95	11.92	Horizontal	Pass
10204.0	-57.2	-25	-32.2	-64.78	5.49	13.07	Horizontal	Pass
5102.0	-63.64	-25	-38.64	-69.24	4.6	10.2	Vertical	Pass
7653.0	-59.56	-25	-34.56	-66.53	4.95	11.92	Vertical	Pass
10204.0	-56.7	-25	-31.7	-64.28	5.49	13.07	Vertical	Pass