

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B7_5MHz_EIRP

Band: 7 / Bandwidth: 5MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2502.5	1	0	25.12	0.00	25.12	<=33.01	Pass		
			13	25.08	0.00	25.08	<=33.01	Pass		
			24	25.21	0.00	25.21	<=33.01	Pass		
		12	0	24.13	0.00	24.13	<=33.01	Pass		
			6	24.09	0.00	24.09	<=33.01	Pass		
			13	24.11	0.00	24.11	<=33.01	Pass		
		25	0	24.13	0.00	24.13	<=33.01	Pass		
		2535	1	0	25.03	0.00	25.03	<=33.01	Pass	
				13	24.97	0.00	24.97	<=33.01	Pass	
	24			25.06	0.00	25.06	<=33.01	Pass		
	12		0	24.08	0.00	24.08	<=33.01	Pass		
			6	24.03	0.00	24.03	<=33.01	Pass		
			13	24.04	0.00	24.04	<=33.01	Pass		
	25		0	24.07	0.00	24.07	<=33.01	Pass		
	2567.5		1	0	25.13	0.00	25.13	<=33.01	Pass	
				13	25.03	0.00	25.03	<=33.01	Pass	
		24		25.12	0.00	25.12	<=33.01	Pass		
		12	0	24.05	0.00	24.05	<=33.01	Pass		
			6	24.02	0.00	24.02	<=33.01	Pass		
			13	24.03	0.00	24.03	<=33.01	Pass		
		25	0	24.09	0.00	24.09	<=33.01	Pass		
		16QAM	2502.5	1	0	24.02	0.00	24.02	<=33.01	Pass
					13	23.97	0.00	23.97	<=33.01	Pass
	24				24.03	0.00	24.03	<=33.01	Pass	
12	0			23.15	0.00	23.15	<=33.01	Pass		
	6			23.10	0.00	23.10	<=33.01	Pass		
	13			23.11	0.00	23.11	<=33.01	Pass		
25	0			23.13	0.00	23.13	<=33.01	Pass		
2535	1			0	24.35	0.00	24.35	<=33.01	Pass	
				13	24.27	0.00	24.27	<=33.01	Pass	
			24	24.30	0.00	24.30	<=33.01	Pass		
	12		0	23.11	0.00	23.11	<=33.01	Pass		
			6	23.06	0.00	23.06	<=33.01	Pass		
			13	23.09	0.00	23.09	<=33.01	Pass		
	25		0	23.03	0.00	23.03	<=33.01	Pass		
	2567.5		1	0	24.19	0.00	24.19	<=33.01	Pass	
				13	24.11	0.00	24.11	<=33.01	Pass	
24				24.18	0.00	24.18	<=33.01	Pass		
12			0	23.10	0.00	23.10	<=33.01	Pass		
			6	23.02	0.00	23.02	<=33.01	Pass		
			13	23.03	0.00	23.03	<=33.01	Pass		
25			0	23.05	0.00	23.05	<=33.01	Pass		
64QAM			2502.5	1	0	23.08	0.00	23.08	<=33.01	Pass
					13	22.98	0.00	22.98	<=33.01	Pass
	24				23.05	0.00	23.05	<=33.01	Pass	
	12	0		22.14	0.00	22.14	<=33.01	Pass		
		6		22.10	0.00	22.10	<=33.01	Pass		
		13		22.12	0.00	22.12	<=33.01	Pass		
	25	0		22.09	0.00	22.09	<=33.01	Pass		

	2535	1	0	23.41	0.00	23.41	<=33.01	Pass		
			13	23.36	0.00	23.36	<=33.01	Pass		
			24	23.38	0.00	23.38	<=33.01	Pass		
		12	0	22.02	0.00	22.02	<=33.01	Pass		
			6	21.98	0.00	21.98	<=33.01	Pass		
			13	21.98	0.00	21.98	<=33.01	Pass		
		25	0	22.01	0.00	22.01	<=33.01	Pass		
		2567.5	1	0	23.24	0.00	23.24	<=33.01	Pass	
				13	23.17	0.00	23.17	<=33.01	Pass	
	24			23.24	0.00	23.24	<=33.01	Pass		
	12		0	22.13	0.00	22.13	<=33.01	Pass		
			6	22.10	0.00	22.10	<=33.01	Pass		
			13	22.08	0.00	22.08	<=33.01	Pass		
	25		0	22.08	0.00	22.08	<=33.01	Pass		
	256QAM		2502.5	1	0	19.85	0.00	19.85	<=33.01	Pass
					13	19.79	0.00	19.79	<=33.01	Pass
		24			19.81	0.00	19.81	<=33.01	Pass	
		12		0	20.13	0.00	20.13	<=33.01	Pass	
6				20.08	0.00	20.08	<=33.01	Pass		
13				20.09	0.00	20.09	<=33.01	Pass		
25		0		20.14	0.00	20.14	<=33.01	Pass		
2535		1		0	20.22	0.00	20.22	<=33.01	Pass	
				13	20.16	0.00	20.16	<=33.01	Pass	
			24	20.19	0.00	20.19	<=33.01	Pass		
		12	0	20.08	0.00	20.08	<=33.01	Pass		
			6	20.04	0.00	20.04	<=33.01	Pass		
			13	20.06	0.00	20.06	<=33.01	Pass		
		25	0	20.05	0.00	20.05	<=33.01	Pass		
		2567.5	1	0	20.07	0.00	20.07	<=33.01	Pass	
				13	20.03	0.00	20.03	<=33.01	Pass	
24				20.07	0.00	20.07	<=33.01	Pass		
12			0	20.06	0.00	20.06	<=33.01	Pass		
	6		20.01	0.00	20.01	<=33.01	Pass			
	13		20.02	0.00	20.02	<=33.01	Pass			
25	0		20.07	0.00	20.07	<=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	25.03	0.00	25.03	<=33.01	Pass	
			25	25.20	0.00	25.20	<=33.01	Pass	
			49	25.02	0.00	25.02	<=33.01	Pass	
		25	0	24.16	0.00	24.16	<=33.01	Pass	
			13	24.15	0.00	24.15	<=33.01	Pass	
			25	24.12	0.00	24.12	<=33.01	Pass	
		50	0	24.15	0.00	24.15	<=33.01	Pass	
		2535	1	0	25.16	0.00	25.16	<=33.01	Pass
				25	25.11	0.00	25.11	<=33.01	Pass
	49			25.10	0.00	25.10	<=33.01	Pass	
	25		0	24.11	0.00	24.11	<=33.01	Pass	
			13	24.08	0.00	24.08	<=33.01	Pass	
			25	24.07	0.00	24.07	<=33.01	Pass	
	50	0	24.09	0.00	24.09	<=33.01	Pass		
	2565	1	0	25.07	0.00	25.07	<=33.01	Pass	

		25	25	25.08	0.00	25.08	<=33.01	Pass
			49	25.12	0.00	25.12	<=33.01	Pass
			0	24.13	0.00	24.13	<=33.01	Pass
			13	24.09	0.00	24.09	<=33.01	Pass
			25	24.09	0.00	24.09	<=33.01	Pass
		50	0	24.11	0.00	24.11	<=33.01	Pass
			0	24.23	0.00	24.23	<=33.01	Pass
			1	24.19	0.00	24.19	<=33.01	Pass
			49	24.14	0.00	24.14	<=33.01	Pass
			0	23.23	0.00	23.23	<=33.01	Pass
16QAM	2505	1	13	23.21	0.00	23.21	<=33.01	Pass
			25	23.20	0.00	23.20	<=33.01	Pass
			0	23.16	0.00	23.16	<=33.01	Pass
		25	0	24.57	0.00	24.57	<=33.01	Pass
			25	24.50	0.00	24.50	<=33.01	Pass
	49		24.49	0.00	24.49	<=33.01	Pass	
	2535	1	0	23.14	0.00	23.14	<=33.01	Pass
			13	23.12	0.00	23.12	<=33.01	Pass
			25	23.11	0.00	23.11	<=33.01	Pass
		25	0	23.08	0.00	23.08	<=33.01	Pass
			0	24.66	0.00	24.66	<=33.01	Pass
	2565	1	25	24.60	0.00	24.60	<=33.01	Pass
			49	24.66	0.00	24.66	<=33.01	Pass
			0	23.17	0.00	23.17	<=33.01	Pass
		25	13	23.13	0.00	23.13	<=33.01	Pass
25			23.13	0.00	23.13	<=33.01	Pass	
0			23.09	0.00	23.09	<=33.01	Pass	
50		0	23.31	0.00	23.31	<=33.01	Pass	
		25	23.24	0.00	23.24	<=33.01	Pass	
		49	23.22	0.00	23.22	<=33.01	Pass	
64QAM	2505	1	0	22.19	0.00	22.19	<=33.01	Pass
			13	22.17	0.00	22.17	<=33.01	Pass
			25	22.16	0.00	22.16	<=33.01	Pass
		25	0	22.11	0.00	22.11	<=33.01	Pass
			0	23.36	0.00	23.36	<=33.01	Pass
	25		23.25	0.00	23.25	<=33.01	Pass	
	2535	1	49	23.25	0.00	23.25	<=33.01	Pass
			0	22.14	0.00	22.14	<=33.01	Pass
			13	22.10	0.00	22.10	<=33.01	Pass
		25	25	22.09	0.00	22.09	<=33.01	Pass
			0	22.08	0.00	22.08	<=33.01	Pass
	2565	1	0	23.35	0.00	23.35	<=33.01	Pass
			25	23.26	0.00	23.26	<=33.01	Pass
			49	23.33	0.00	23.33	<=33.01	Pass
		25	0	22.13	0.00	22.13	<=33.01	Pass
13			22.11	0.00	22.11	<=33.01	Pass	
25			22.09	0.00	22.09	<=33.01	Pass	
50	0	22.07	0.00	22.07	<=33.01	Pass		
	0	20.19	0.00	20.19	<=33.01	Pass		
	25	20.12	0.00	20.12	<=33.01	Pass		
256QAM	2505	1	49	20.12	0.00	20.12	<=33.01	Pass
			0	20.19	0.00	20.19	<=33.01	Pass
			13	20.18	0.00	20.18	<=33.01	Pass
		25	25	20.17	0.00	20.17	<=33.01	Pass
			0	20.13	0.00	20.13	<=33.01	Pass
	2535	1	0	20.50	0.00	20.50	<=33.01	Pass
			25	20.45	0.00	20.45	<=33.01	Pass
			49	20.43	0.00	20.43	<=33.01	Pass
		25	0	20.15	0.00	20.15	<=33.01	Pass

	2565	50	13	20.12	0.00	20.12	<=33.01	Pass
			25	20.09	0.00	20.09	<=33.01	Pass
			0	20.09	0.00	20.09	<=33.01	Pass
	1	25	0	20.48	0.00	20.48	<=33.01	Pass
			25	20.43	0.00	20.43	<=33.01	Pass
			49	20.44	0.00	20.44	<=33.01	Pass
	50	0	0	20.13	0.00	20.13	<=33.01	Pass
			13	20.09	0.00	20.09	<=33.01	Pass
			25	20.07	0.00	20.07	<=33.01	Pass
				0	20.08	0.00	20.08	<=33.01

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	25.26	0.00	25.26	<=33.01	Pass
			38	25.13	0.00	25.13	<=33.01	Pass
			74	25.23	0.00	25.23	<=33.01	Pass
		36	0	24.14	0.00	24.14	<=33.01	Pass
			18	24.09	0.00	24.09	<=33.01	Pass
			39	24.09	0.00	24.09	<=33.01	Pass
	75	0	24.12	0.00	24.12	<=33.01	Pass	
	2535	1	0	25.14	0.00	25.14	<=33.01	Pass
			38	25.02	0.00	25.02	<=33.01	Pass
			74	25.05	0.00	25.05	<=33.01	Pass
		36	0	24.08	0.00	24.08	<=33.01	Pass
			18	24.03	0.00	24.03	<=33.01	Pass
			39	24.03	0.00	24.03	<=33.01	Pass
	75	0	24.03	0.00	24.03	<=33.01	Pass	
	2562.5	1	0	25.06	0.00	25.06	<=33.01	Pass
			38	24.90	0.00	24.90	<=33.01	Pass
			74	25.09	0.00	25.09	<=33.01	Pass
		36	0	24.03	0.00	24.03	<=33.01	Pass
18			23.98	0.00	23.98	<=33.01	Pass	
39			24.00	0.00	24.00	<=33.01	Pass	
75	0	24.02	0.00	24.02	<=33.01	Pass		
16QAM	2507.5	1	0	24.67	0.00	24.67	<=33.01	Pass
			38	24.64	0.00	24.64	<=33.01	Pass
			74	24.61	0.00	24.61	<=33.01	Pass
		36	0	23.18	0.00	23.18	<=33.01	Pass
			18	23.15	0.00	23.15	<=33.01	Pass
			39	23.13	0.00	23.13	<=33.01	Pass
	75	0	23.14	0.00	23.14	<=33.01	Pass	
	2535	1	0	24.33	0.00	24.33	<=33.01	Pass
			38	24.26	0.00	24.26	<=33.01	Pass
			74	24.22	0.00	24.22	<=33.01	Pass
		36	0	23.09	0.00	23.09	<=33.01	Pass
			18	23.05	0.00	23.05	<=33.01	Pass
			39	23.03	0.00	23.03	<=33.01	Pass
	75	0	23.09	0.00	23.09	<=33.01	Pass	
	2562.5	1	0	24.57	0.00	24.57	<=33.01	Pass
			38	24.43	0.00	24.43	<=33.01	Pass
			74	24.37	0.00	24.37	<=33.01	Pass
		36	0	23.05	0.00	23.05	<=33.01	Pass
18			23.01	0.00	23.01	<=33.01	Pass	

64QAM	2507.5	75	39	23.01	0.00	23.01	<=33.01	Pass
			75	0	23.03	0.00	23.03	<=33.01
		1	0	23.45	0.00	23.45	<=33.01	Pass
			38	23.37	0.00	23.37	<=33.01	Pass
			74	23.35	0.00	23.35	<=33.01	Pass
		36	0	22.15	0.00	22.15	<=33.01	Pass
	18		22.12	0.00	22.12	<=33.01	Pass	
	39		22.10	0.00	22.10	<=33.01	Pass	
	75	0	22.12	0.00	22.12	<=33.01	Pass	
	2535	1	0	23.37	0.00	23.37	<=33.01	Pass
			38	23.21	0.00	23.21	<=33.01	Pass
			74	23.24	0.00	23.24	<=33.01	Pass
		36	0	22.13	0.00	22.13	<=33.01	Pass
			18	22.11	0.00	22.11	<=33.01	Pass
			39	22.08	0.00	22.08	<=33.01	Pass
	75	0	22.08	0.00	22.08	<=33.01	Pass	
	2562.5	1	0	23.62	0.00	23.62	<=33.01	Pass
			38	23.64	0.00	23.64	<=33.01	Pass
			74	23.50	0.00	23.50	<=33.01	Pass
		36	0	22.08	0.00	22.08	<=33.01	Pass
			18	22.04	0.00	22.04	<=33.01	Pass
			39	22.02	0.00	22.02	<=33.01	Pass
	75	0	22.07	0.00	22.07	<=33.01	Pass	
	256QAM	2507.5	1	0	20.63	0.00	20.63	<=33.01
38				20.57	0.00	20.57	<=33.01	Pass
74				20.56	0.00	20.56	<=33.01	Pass
36			0	20.12	0.00	20.12	<=33.01	Pass
			18	20.10	0.00	20.10	<=33.01	Pass
			39	20.10	0.00	20.10	<=33.01	Pass
75		0	20.12	0.00	20.12	<=33.01	Pass	
2535		1	0	19.90	0.00	19.90	<=33.01	Pass
			38	19.82	0.00	19.82	<=33.01	Pass
			74	19.81	0.00	19.81	<=33.01	Pass
		36	0	20.05	0.00	20.05	<=33.01	Pass
			18	20.03	0.00	20.03	<=33.01	Pass
			39	20.02	0.00	20.02	<=33.01	Pass
75		0	20.04	0.00	20.04	<=33.01	Pass	
2562.5		1	0	20.34	0.00	20.34	<=33.01	Pass
			38	20.26	0.00	20.26	<=33.01	Pass
			74	20.26	0.00	20.26	<=33.01	Pass
		36	0	20.00	0.00	20.00	<=33.01	Pass
			18	19.97	0.00	19.97	<=33.01	Pass
			39	19.97	0.00	19.97	<=33.01	Pass
75		0	20.02	0.00	20.02	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B7_20MHz_EIRP

Band: 7 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	25.19	0.00	25.19	<=33.01	Pass
			50	25.16	0.00	25.16	<=33.01	Pass
			99	25.08	0.00	25.08	<=33.01	Pass
		50	0	24.18	0.00	24.18	<=33.01	Pass
			25	24.16	0.00	24.16	<=33.01	Pass
			50	24.16	0.00	24.16	<=33.01	Pass

	2535	100	0	24.17	0.00	24.17	<=33.01	Pass	
			1	0	25.11	0.00	25.11	<=33.01	Pass
				50	25.01	0.00	25.01	<=33.01	Pass
				99	24.95	0.00	24.95	<=33.01	Pass
		50	0	24.15	0.00	24.15	<=33.01	Pass	
			25	24.11	0.00	24.11	<=33.01	Pass	
	50		24.10	0.00	24.10	<=33.01	Pass		
	100	0	24.11	0.00	24.11	<=33.01	Pass		
	2560	1	0	25.09	0.00	25.09	<=33.01	Pass	
			50	24.99	0.00	24.99	<=33.01	Pass	
			99	24.96	0.00	24.96	<=33.01	Pass	
		50	0	24.10	0.00	24.10	<=33.01	Pass	
25			24.07	0.00	24.07	<=33.01	Pass		
50			24.03	0.00	24.03	<=33.01	Pass		
100	0	24.07	0.00	24.07	<=33.01	Pass			
16QAM	2510	1	0	24.46	0.00	24.46	<=33.01	Pass	
			50	24.39	0.00	24.39	<=33.01	Pass	
			99	24.29	0.00	24.29	<=33.01	Pass	
		50	0	23.19	0.00	23.19	<=33.01	Pass	
			25	23.15	0.00	23.15	<=33.01	Pass	
			50	23.10	0.00	23.10	<=33.01	Pass	
	100	0	23.14	0.00	23.14	<=33.01	Pass		
	2535	1	0	24.35	0.00	24.35	<=33.01	Pass	
			50	24.25	0.00	24.25	<=33.01	Pass	
			99	24.21	0.00	24.21	<=33.01	Pass	
		50	0	23.14	0.00	23.14	<=33.01	Pass	
			25	23.09	0.00	23.09	<=33.01	Pass	
			50	23.06	0.00	23.06	<=33.01	Pass	
	100	0	23.09	0.00	23.09	<=33.01	Pass		
	2560	1	0	24.77	0.00	24.77	<=33.01	Pass	
			50	24.59	0.00	24.59	<=33.01	Pass	
			99	24.72	0.00	24.72	<=33.01	Pass	
		50	0	23.09	0.00	23.09	<=33.01	Pass	
			25	23.04	0.00	23.04	<=33.01	Pass	
			50	23.01	0.00	23.01	<=33.01	Pass	
	100	0	23.06	0.00	23.06	<=33.01	Pass		
	64QAM	2510	1	0	23.60	0.00	23.60	<=33.01	Pass
				50	23.57	0.00	23.57	<=33.01	Pass
				99	23.54	0.00	23.54	<=33.01	Pass
50			0	22.23	0.00	22.23	<=33.01	Pass	
			25	22.20	0.00	22.20	<=33.01	Pass	
			50	22.18	0.00	22.18	<=33.01	Pass	
100		0	22.13	0.00	22.13	<=33.01	Pass		
2535		1	0	23.77	0.00	23.77	<=33.01	Pass	
			50	23.68	0.00	23.68	<=33.01	Pass	
			99	23.62	0.00	23.62	<=33.01	Pass	
		50	0	22.14	0.00	22.14	<=33.01	Pass	
			25	22.12	0.00	22.12	<=33.01	Pass	
			50	22.07	0.00	22.07	<=33.01	Pass	
100		0	22.07	0.00	22.07	<=33.01	Pass		
2560		1	0	23.39	0.00	23.39	<=33.01	Pass	
			50	23.25	0.00	23.25	<=33.01	Pass	
			99	23.27	0.00	23.27	<=33.01	Pass	
		50	0	22.08	0.00	22.08	<=33.01	Pass	
	25		22.06	0.00	22.06	<=33.01	Pass		
	50		22.02	0.00	22.02	<=33.01	Pass		
100	0	22.06	0.00	22.06	<=33.01	Pass			
256QAM	2510	1	0	20.40	0.00	20.40	<=33.01	Pass	
			50	20.31	0.00	20.31	<=33.01	Pass	

		50	99	20.24	0.00	20.24	<=33.01	Pass
			0	20.12	0.00	20.12	<=33.01	Pass
			25	20.09	0.00	20.09	<=33.01	Pass
			50	20.07	0.00	20.07	<=33.01	Pass
			100	0	20.09	0.00	20.09	<=33.01
	2535	1	0	20.34	0.00	20.34	<=33.01	Pass
			50	20.27	0.00	20.27	<=33.01	Pass
			99	20.18	0.00	20.18	<=33.01	Pass
		50	0	20.09	0.00	20.09	<=33.01	Pass
			25	20.05	0.00	20.05	<=33.01	Pass
			50	20.02	0.00	20.02	<=33.01	Pass
		100	0	20.03	0.00	20.03	<=33.01	Pass
		2560	1	0	20.00	0.00	20.00	<=33.01
	50			19.96	0.00	19.96	<=33.01	Pass
	99			19.98	0.00	19.98	<=33.01	Pass
	50		0	20.09	0.00	20.09	<=33.01	Pass
			25	20.05	0.00	20.05	<=33.01	Pass
			50	20.03	0.00	20.03	<=33.01	Pass
	100		0	20.02	0.00	20.02	<=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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2535	50	0	20	LV	-3.200	-0.0013	-2.5 to 2.5	Pass
					NV	-1.800	-0.0007	-2.5 to 2.5	Pass
					HV	-6.200	-0.0024	-2.5 to 2.5	Pass
				-30	NV	-0.300	-0.0001	-2.5 to 2.5	Pass
				-20	NV	-3.000	-0.0012	-2.5 to 2.5	Pass
				-10	NV	-7.700	-0.0030	-2.5 to 2.5	Pass
				0	NV	-2.900	-0.0011	-2.5 to 2.5	Pass
				10	NV	-3.100	-0.0012	-2.5 to 2.5	Pass
				30	NV	-3.300	-0.0013	-2.5 to 2.5	Pass
				40	NV	-2.900	-0.0011	-2.5 to 2.5	Pass
				50	NV	-4.700	-0.0019	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band7_OBW

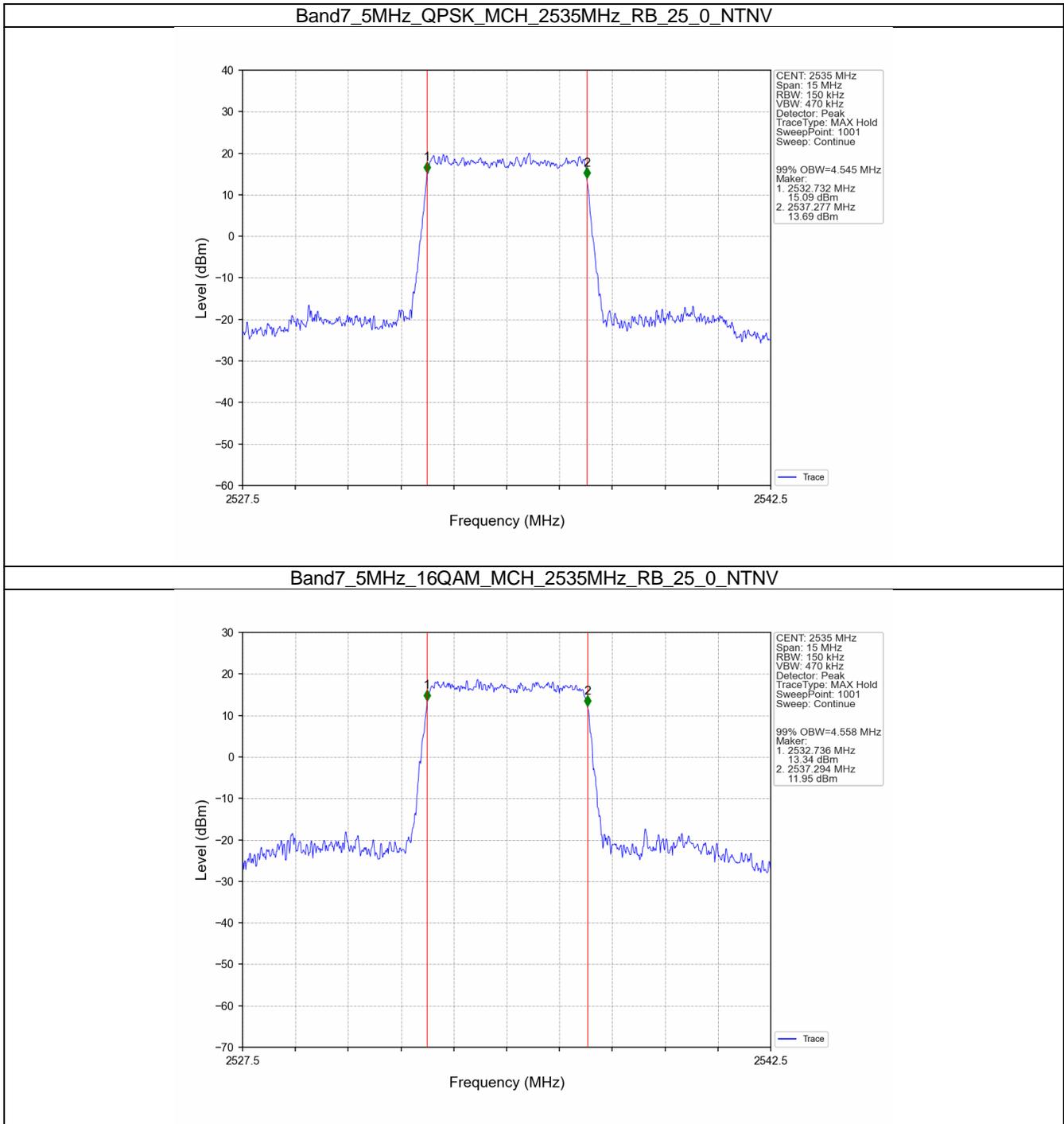
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	4.545	/	Pass
	16QAM	2535	25	0	4.558	/	Pass
10	QPSK	2535	50	0	9.056	/	Pass
	16QAM	2535	50	0	9.077	/	Pass
15	QPSK	2535	75	0	13.579	/	Pass
	16QAM	2535	75	0	13.586	/	Pass
20	QPSK	2535	100	0	18.071	/	Pass
	16QAM	2535	100	0	18.153	/	Pass

3.1.2 Band7_XDB

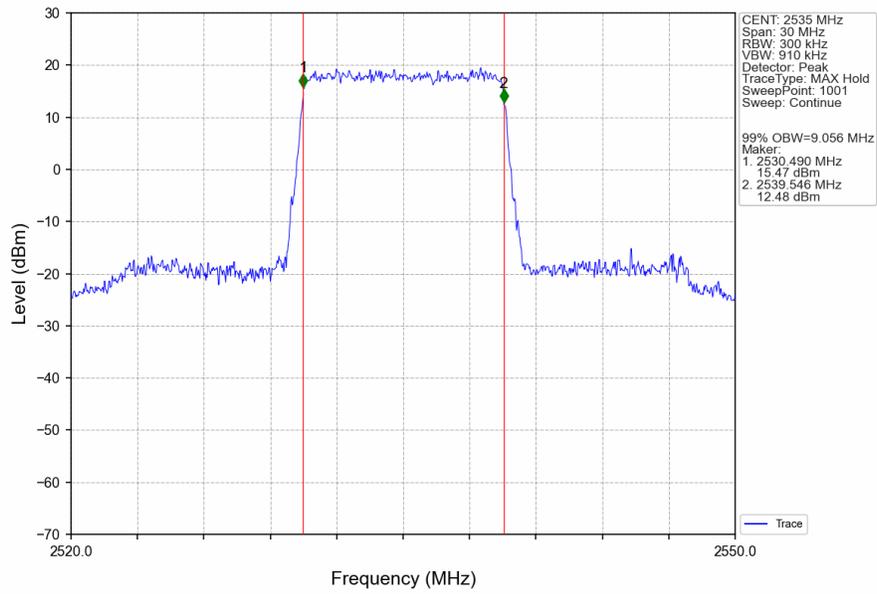
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	5.035	/	Pass
	16QAM	2535	25	0	5.079	/	Pass
10	QPSK	2535	50	0	10.146	/	Pass
	16QAM	2535	50	0	9.971	/	Pass
15	QPSK	2535	75	0	15.016	/	Pass
	16QAM	2535	75	0	15.015	/	Pass
20	QPSK	2535	100	0	19.693	/	Pass
	16QAM	2535	100	0	19.992	/	Pass

3.2 Test Graph

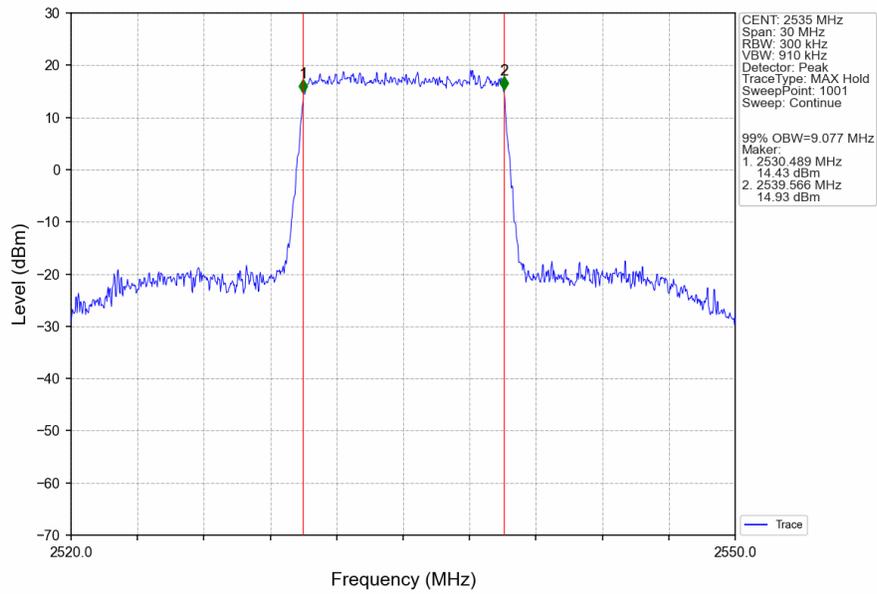
3.2.1 Band7_OBW



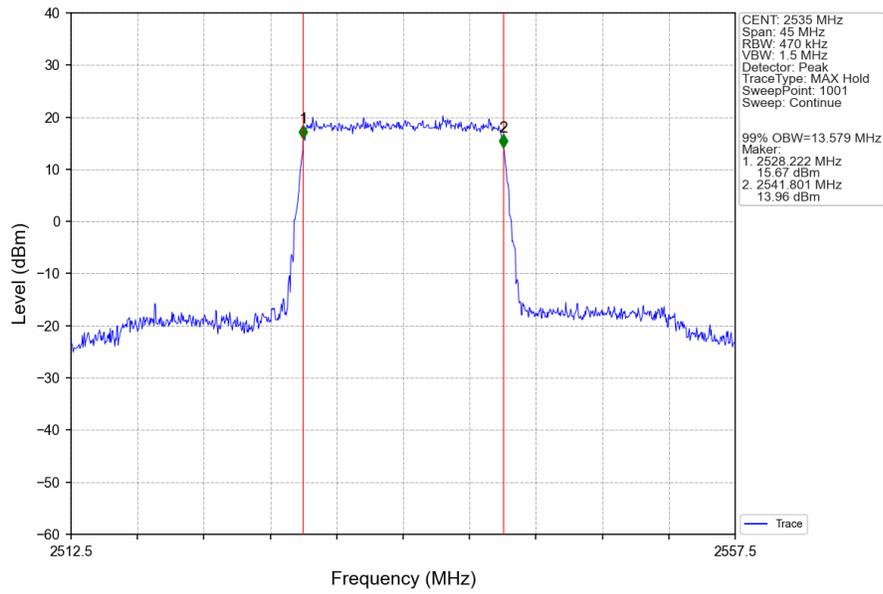
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



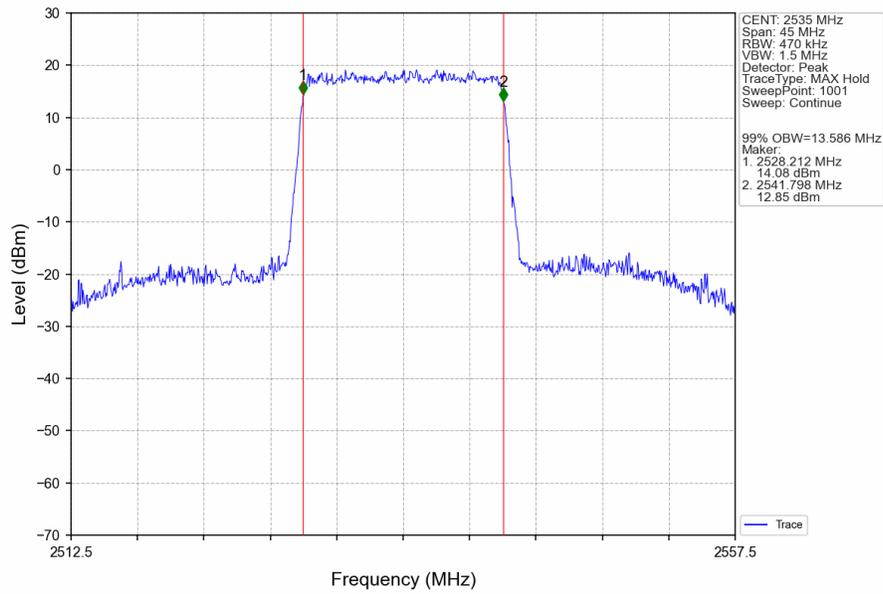
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



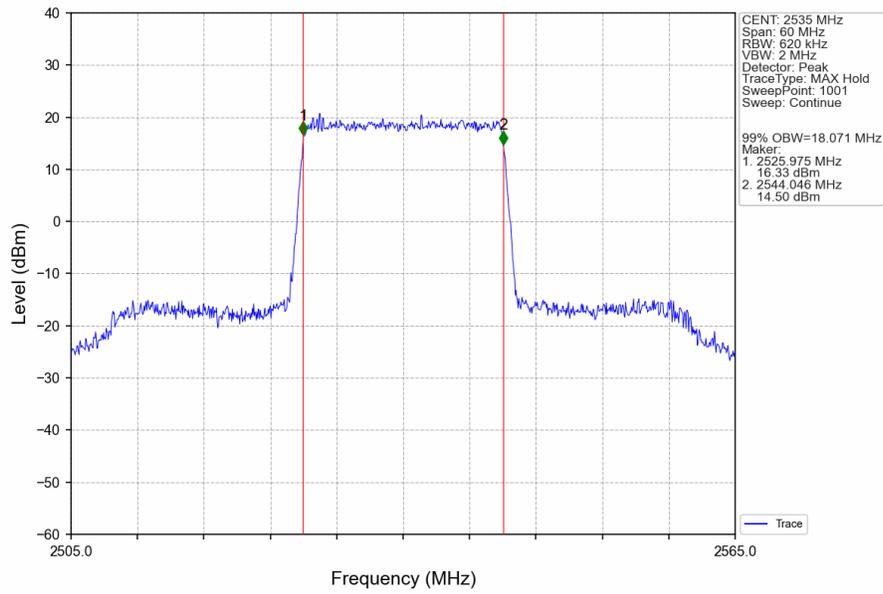
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



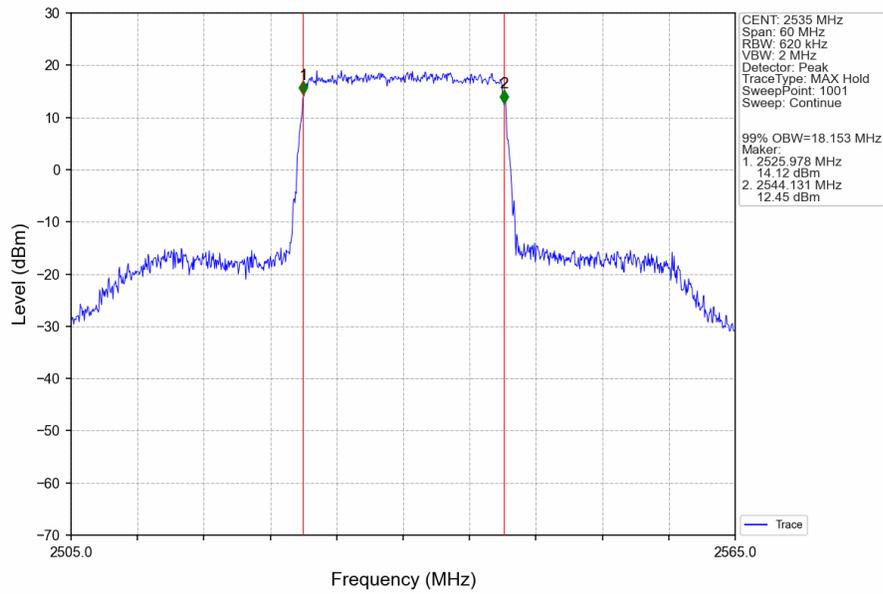
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



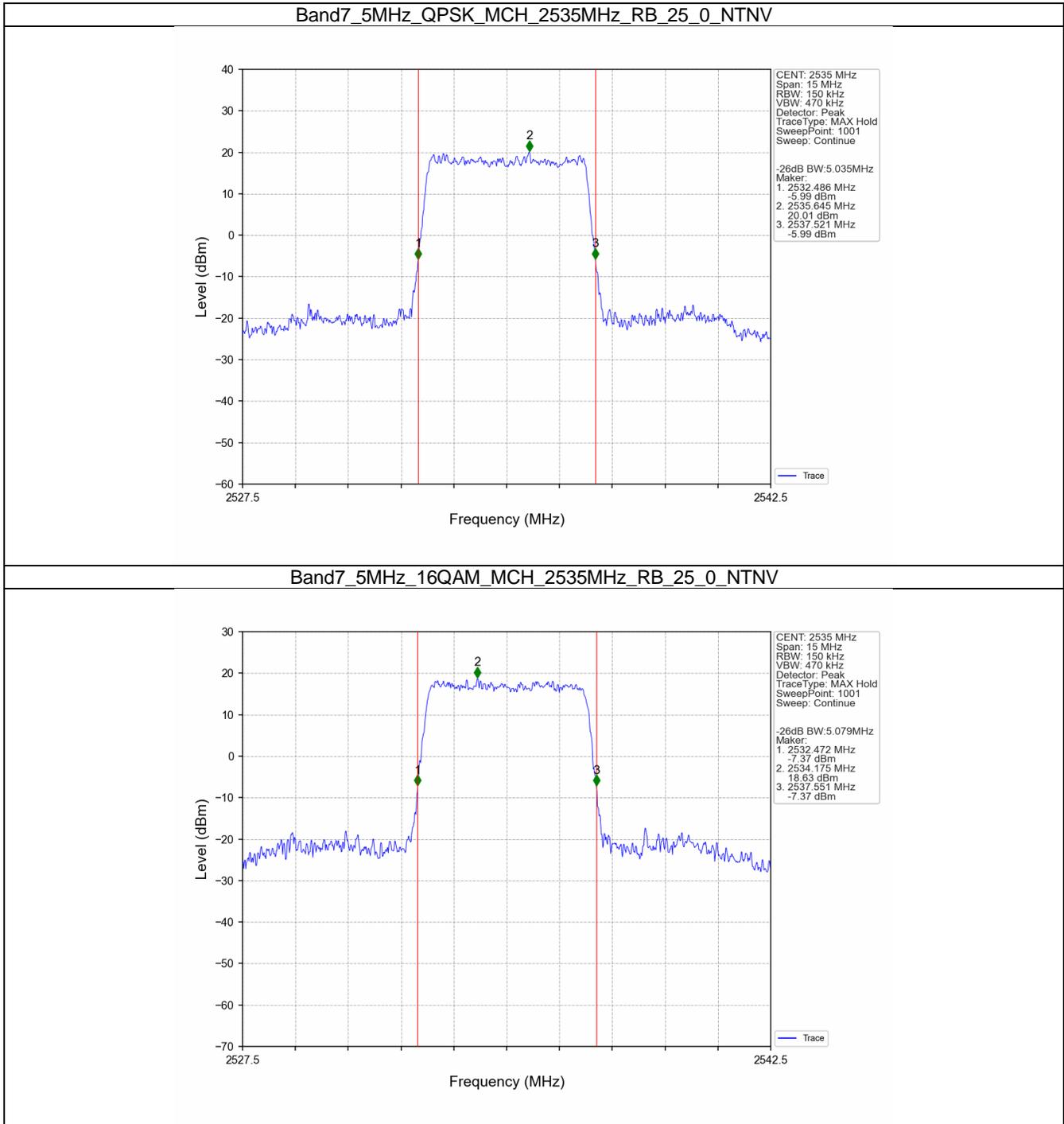
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



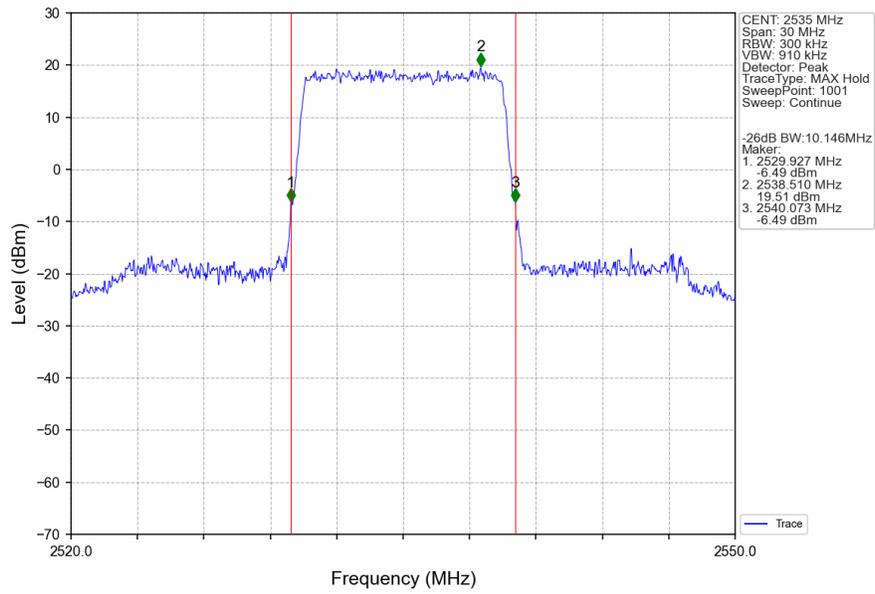
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



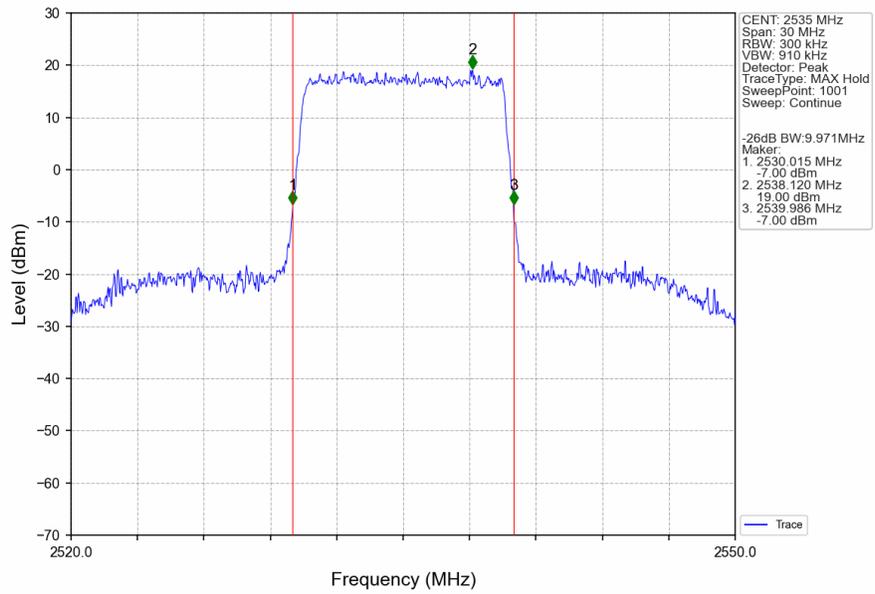
3.2.2 Band7_XDB



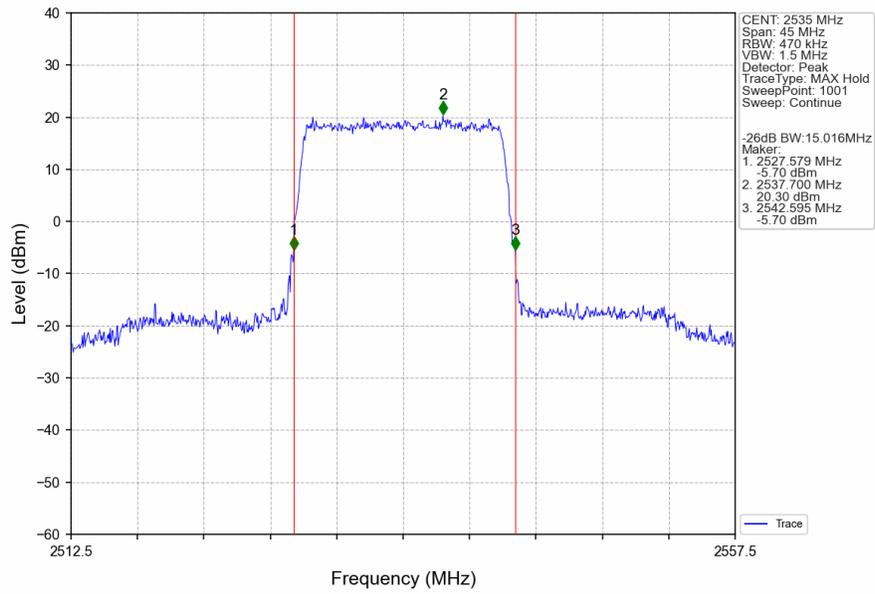
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



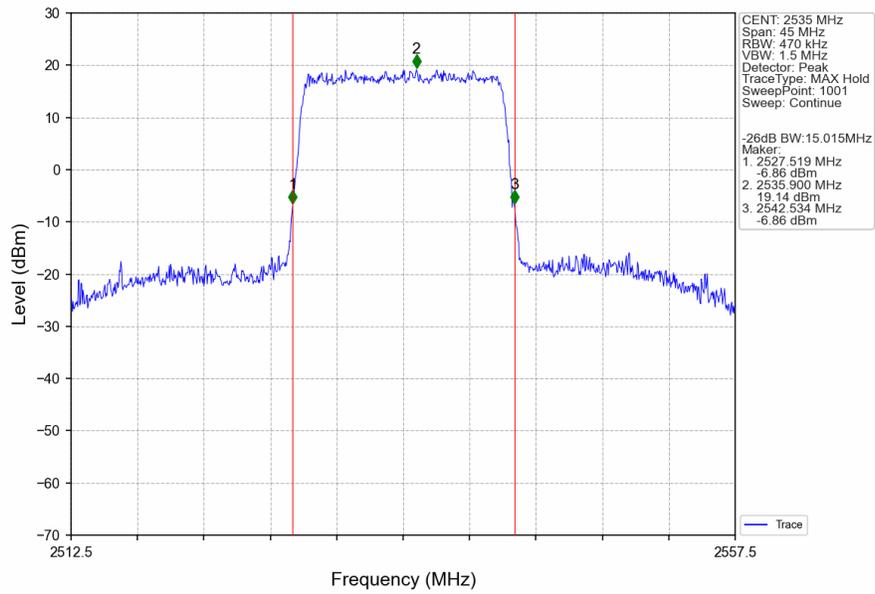
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



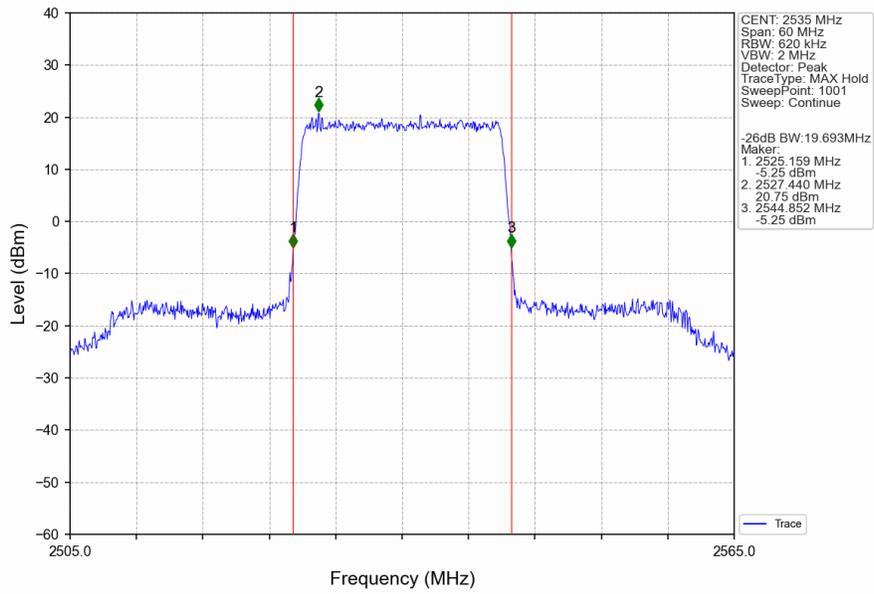
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



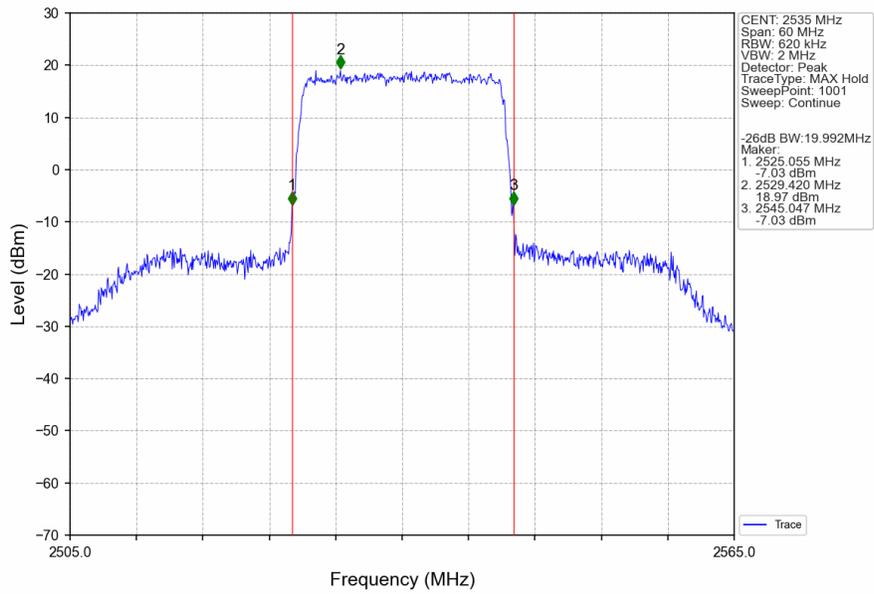
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



4. Peak-Average Ratio

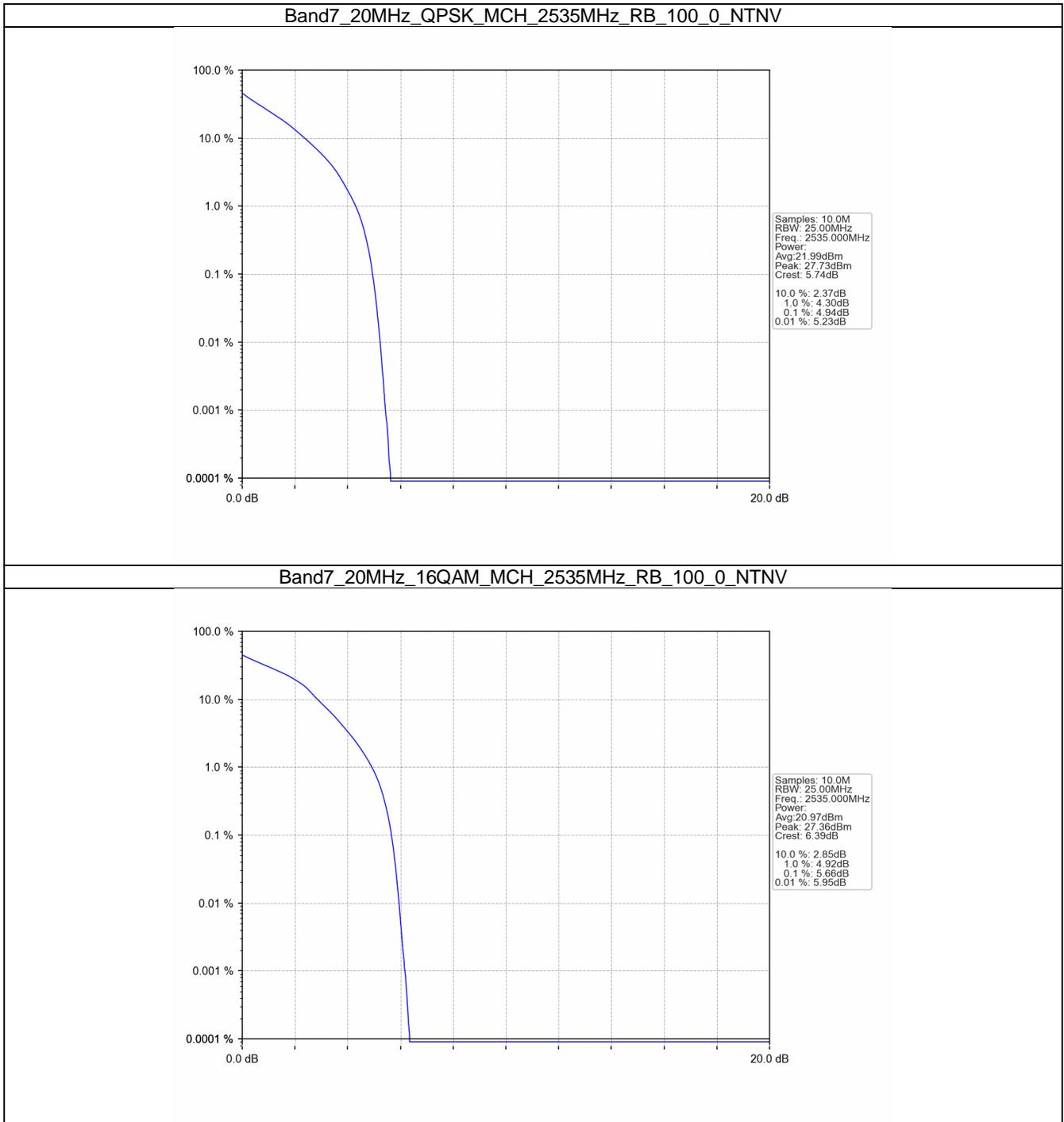
4.1 Test Result

4.1.1 B7_20MHz

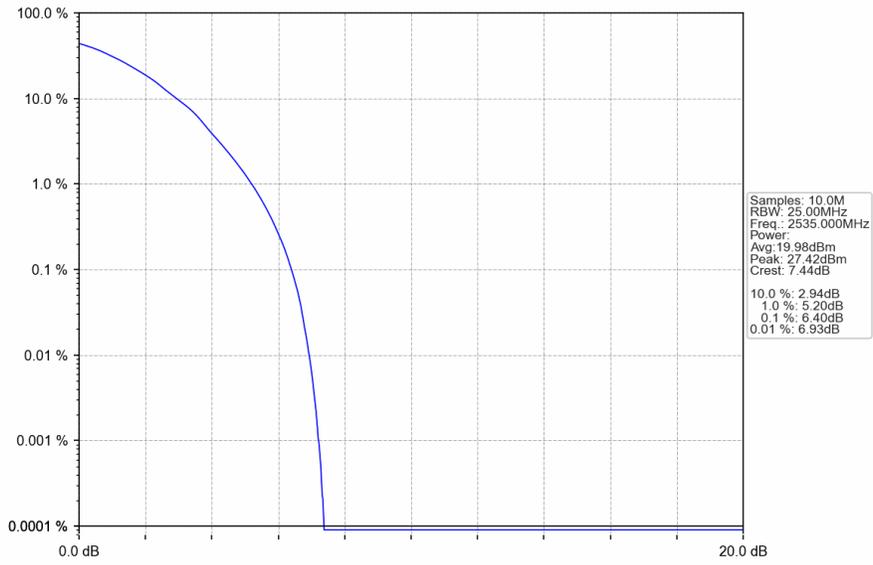
Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	4.94	<=13	Pass
16QAM	2535	100	0	5.66	<=13	Pass
64QAM	2535	100	0	6.40	<=13	Pass
256QAM	2535	100	0	6.60	<=13	Pass

4.2 Test Graph

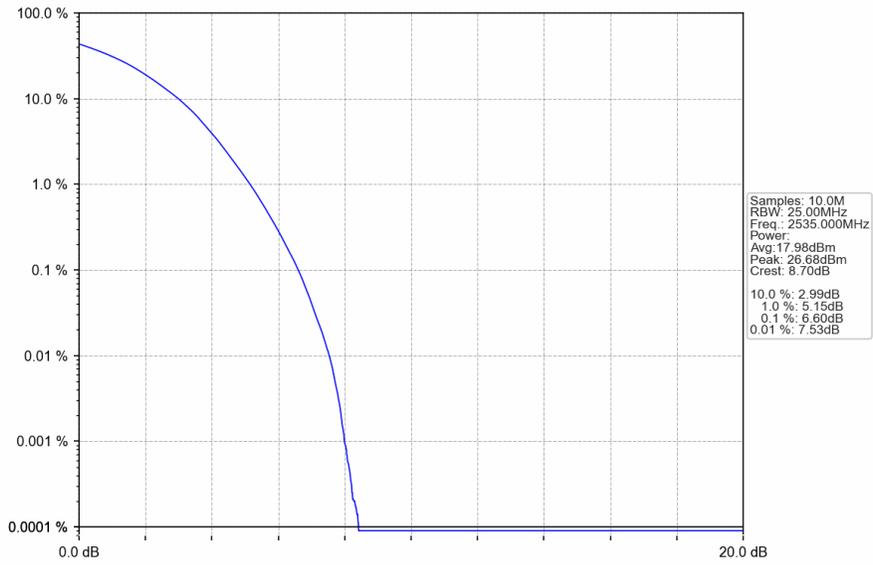
4.2.1 B7_20MHz



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

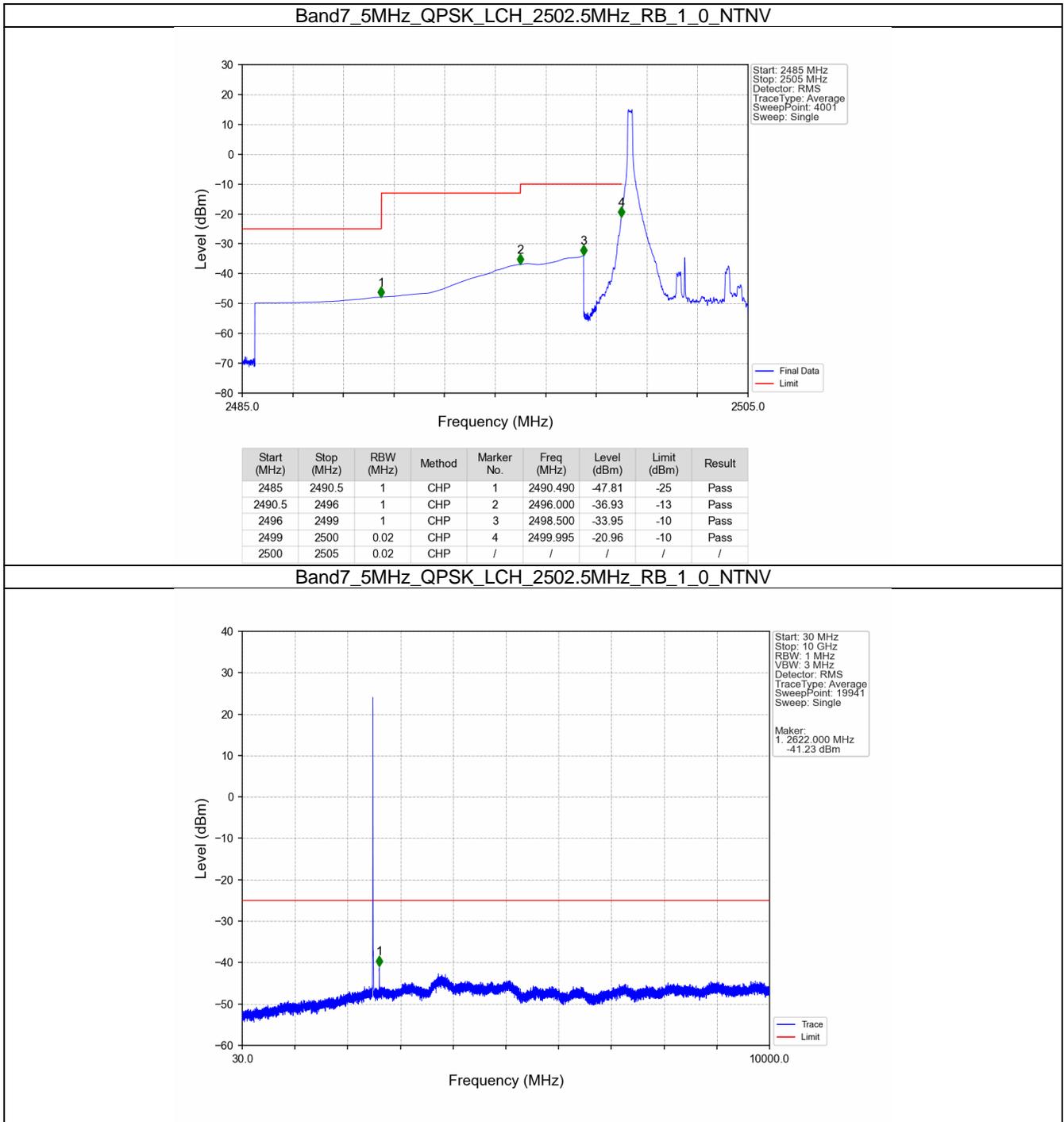
Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B7_20MHz

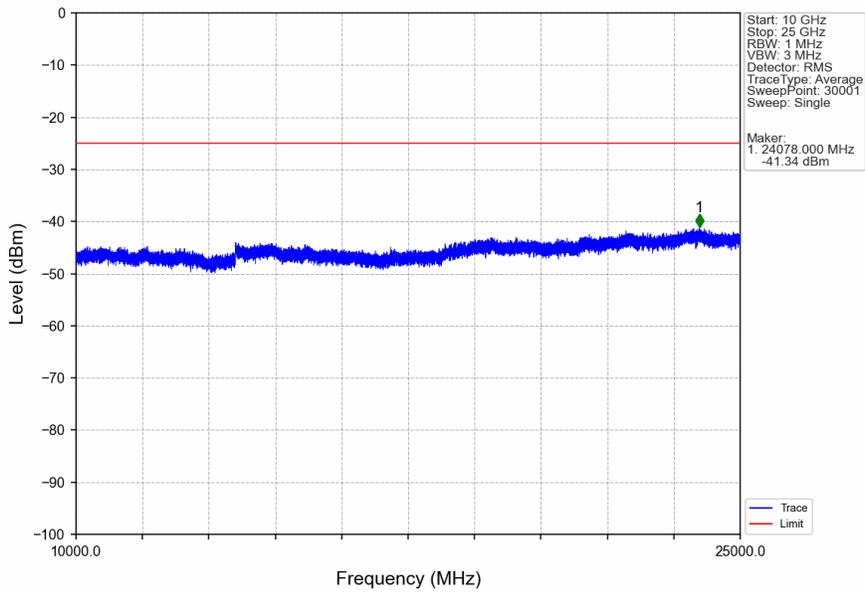
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

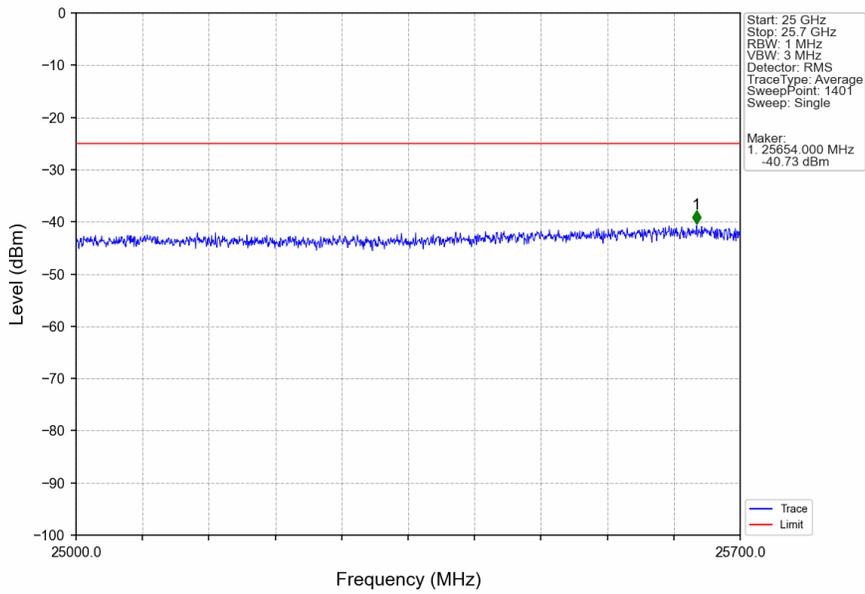
5.2.1 B7_5MHz



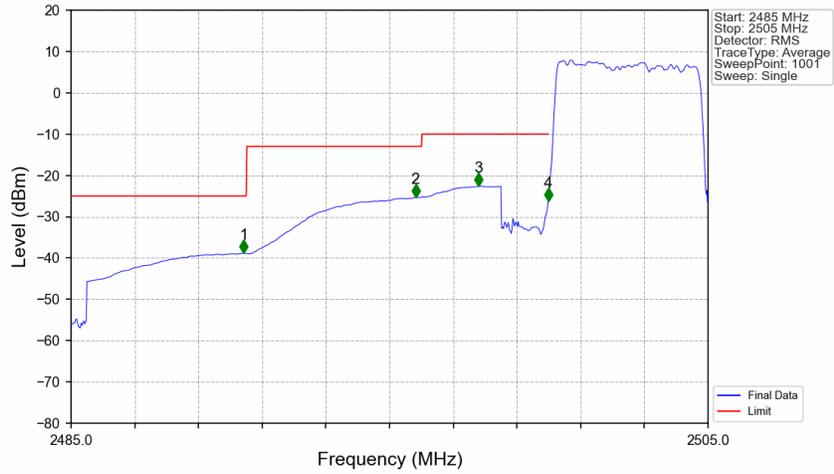
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

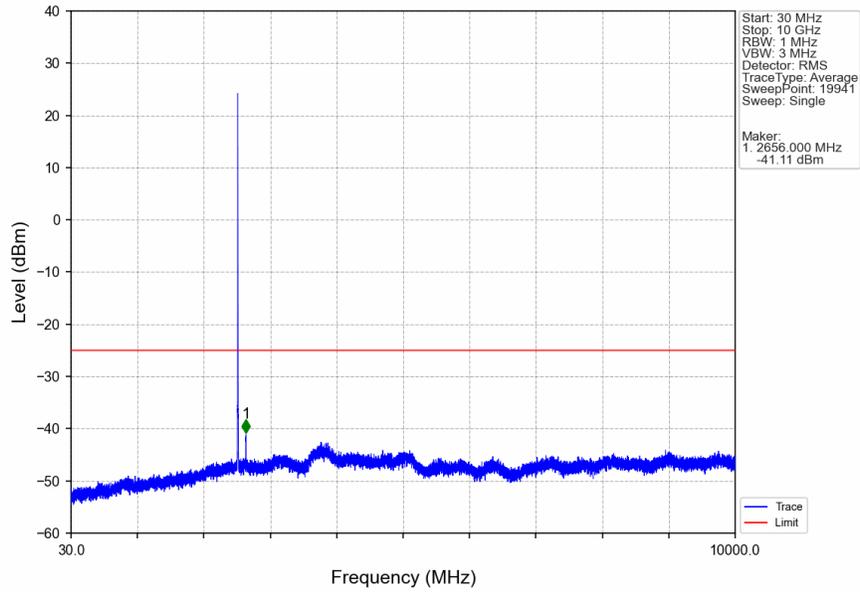


Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV

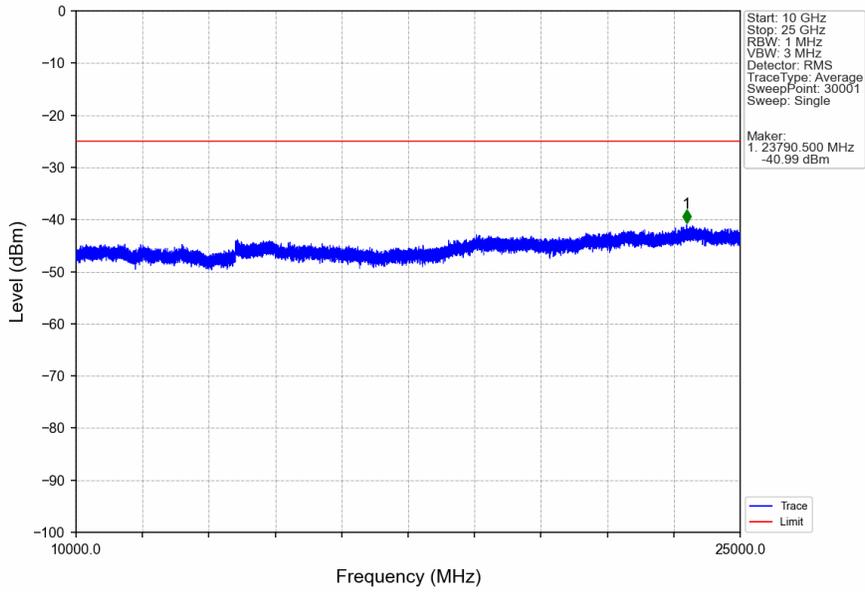


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.420	-38.84	-25	Pass
2490.5	2496	1	CHP	2	2495.820	-25.29	-13	Pass
2496	2499	1	CHP	3	2497.800	-22.63	-10	Pass
2499	2500	0.101	CHP	4	2499.980	-26.22	-10	Pass
2500	2505	0.101	CHP	/	/	/	/	/

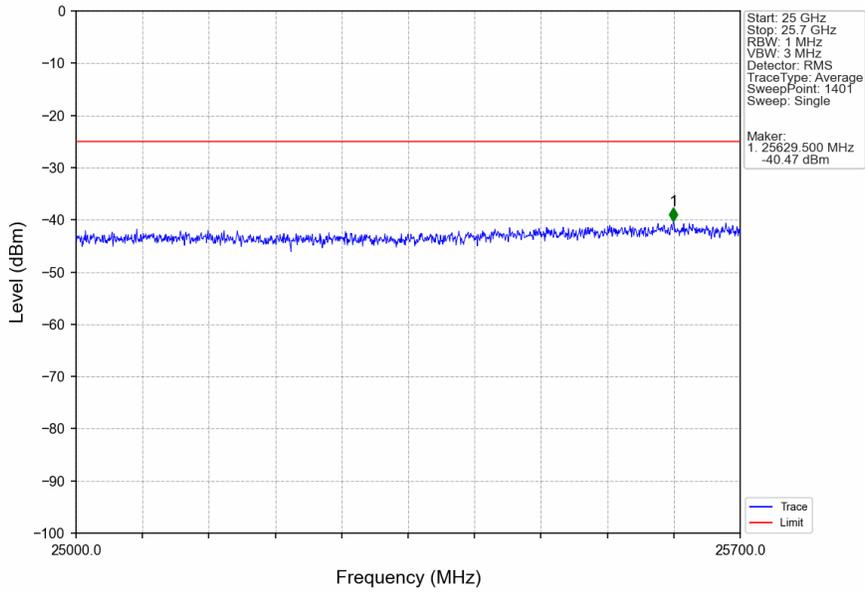
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



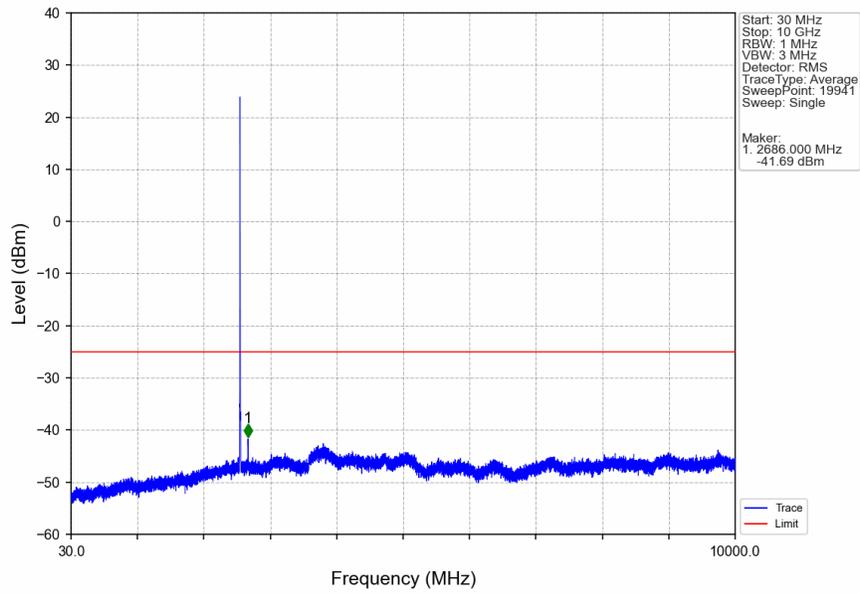
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



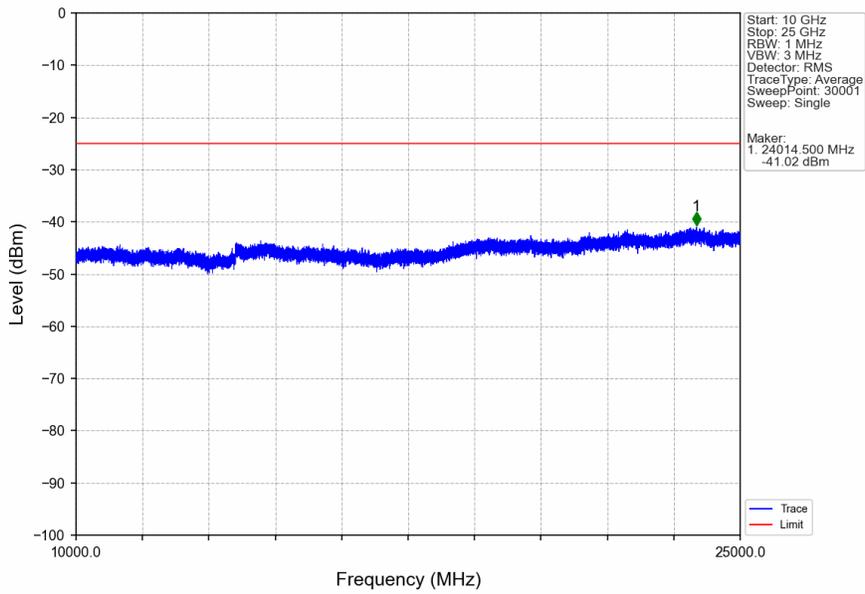
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



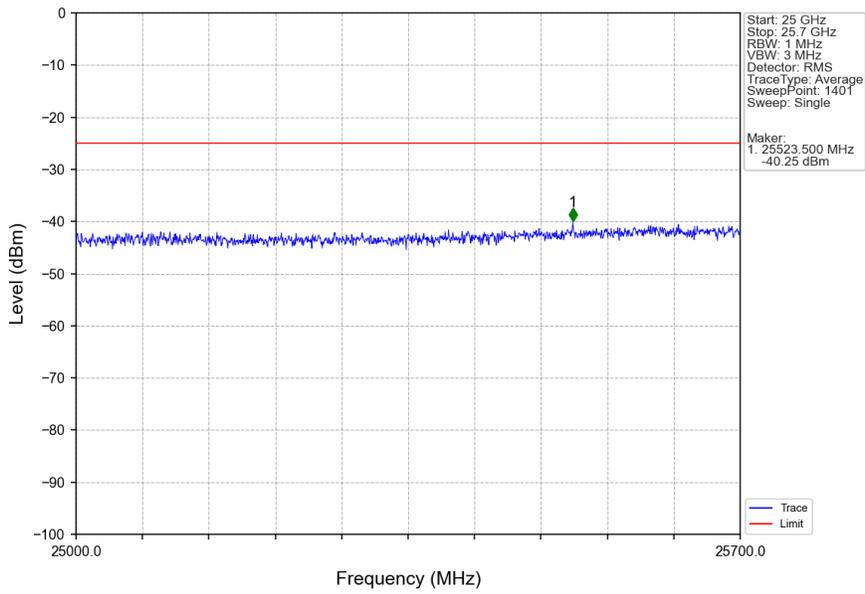
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



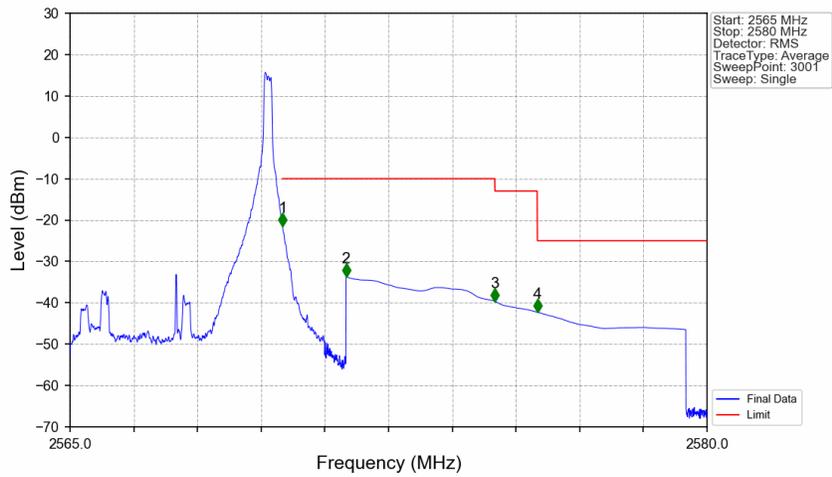
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV

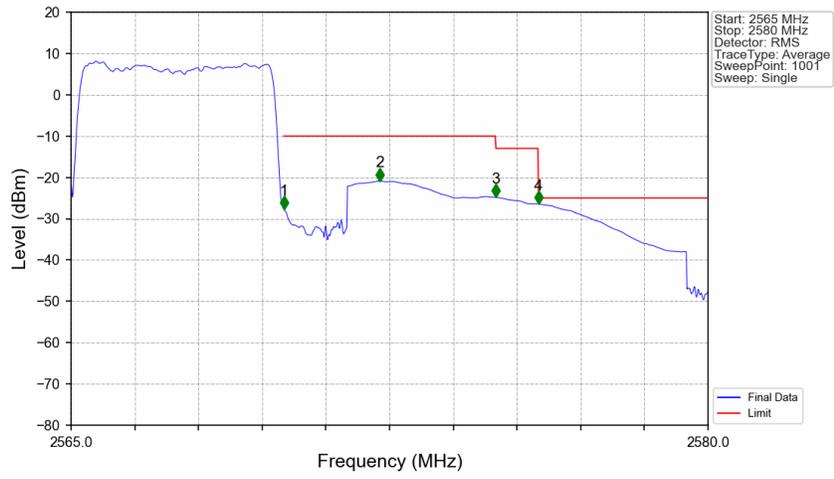


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



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	-21.56	-10	Pass
2571	2575	1	CHP	2	2571.500	-33.72	-10	Pass
2575	2576	1	CHP	3	2575.005	-39.66	-13	Pass
2576	2580	1	CHP	4	2576.005	-42.31	-25	Pass

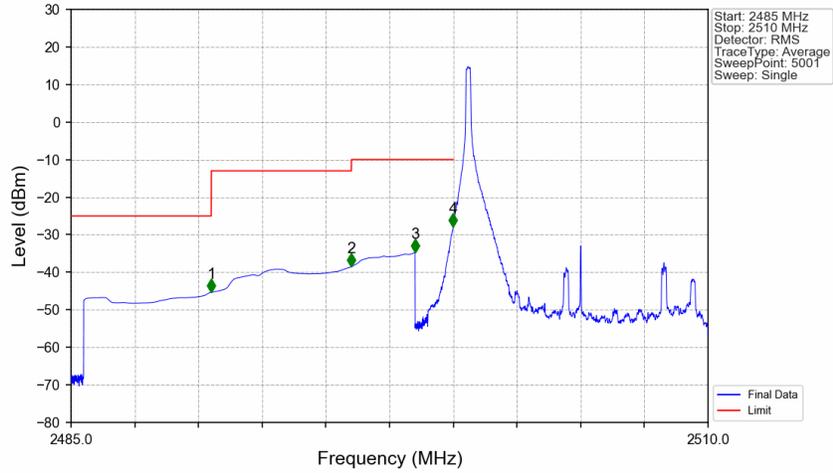
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



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	-27.73	-10	Pass
2571	2575	1	CHP	2	2572.275	-20.84	-10	Pass
2575	2576	1	CHP	3	2575.005	-24.83	-13	Pass
2576	2580	1	CHP	4	2576.010	-26.46	-25	Pass

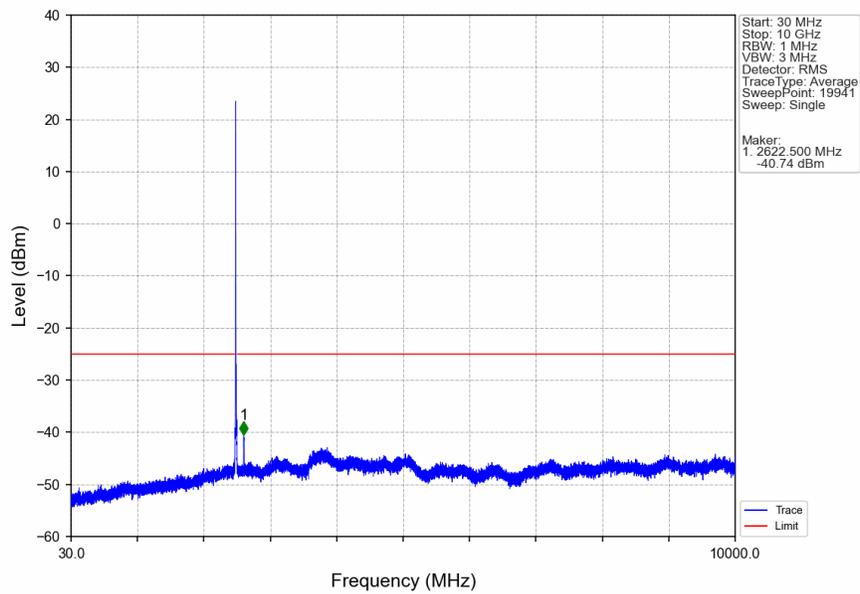
5.2.2 B7_10MHz

Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

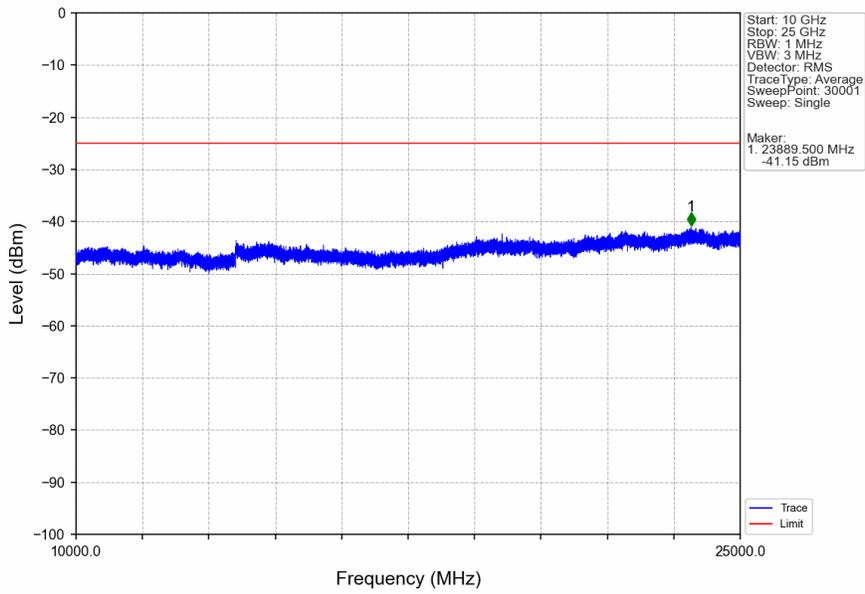


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-45.34	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-38.53	-13	Pass
2496	2499	1	CHP	3	2498.500	-34.72	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-27.84	-10	Pass
2500	2510	0.02	CHP	/	/	/	/	/

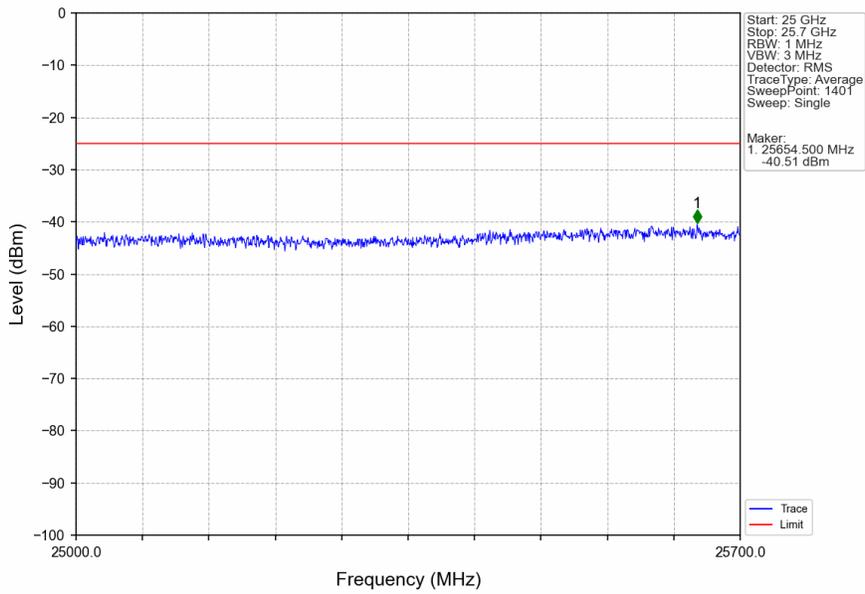
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



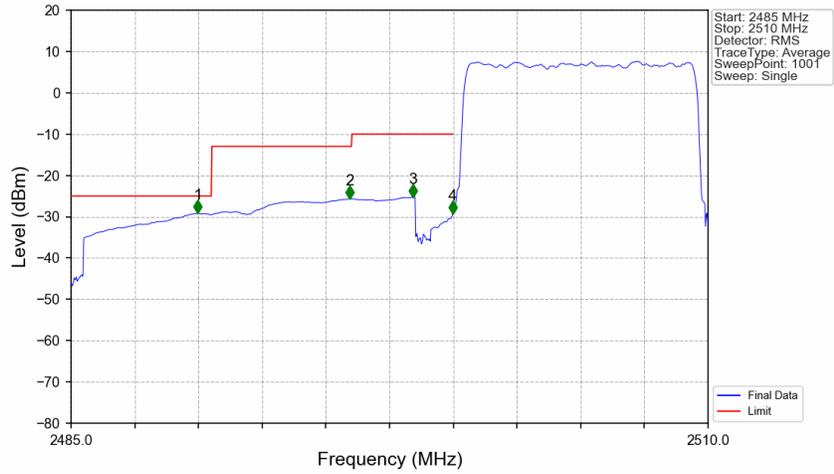
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

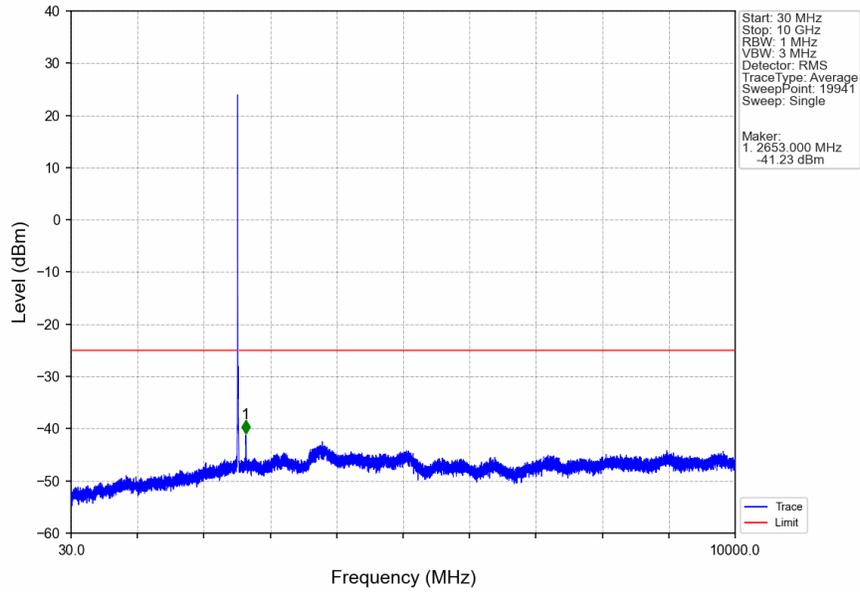


Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV

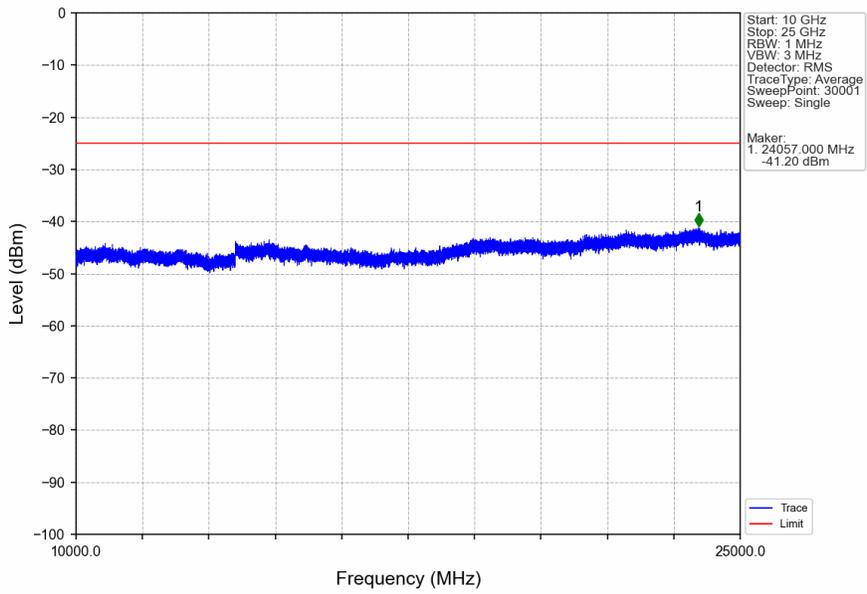


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.975	-29.20	-25	Pass
2490.5	2496	1	CHP	2	2495.925	-25.64	-13	Pass
2496	2499	1	CHP	3	2498.425	-25.31	-10	Pass
2499	2500	0.203	CHP	4	2499.975	-29.38	-10	Pass
2500	2510	0.203	CHP	/	/	/	/	/

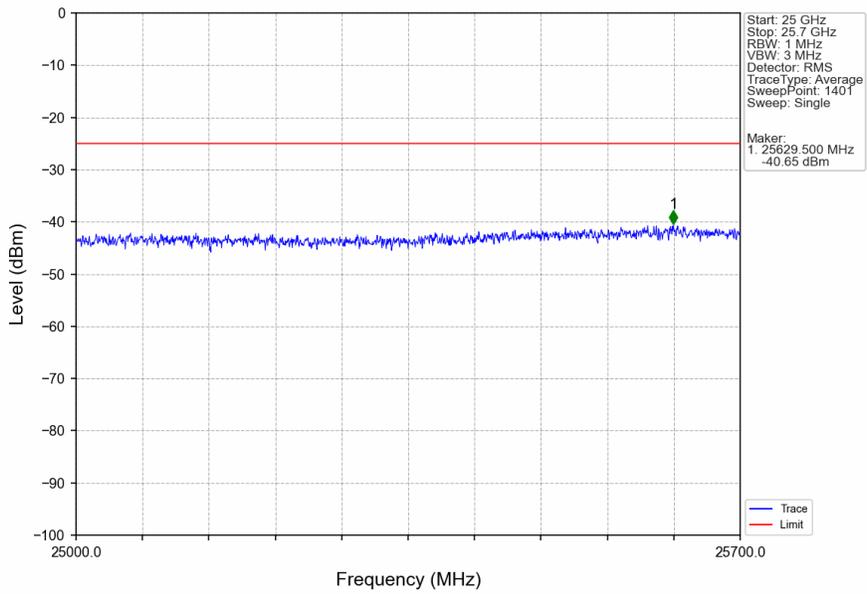
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



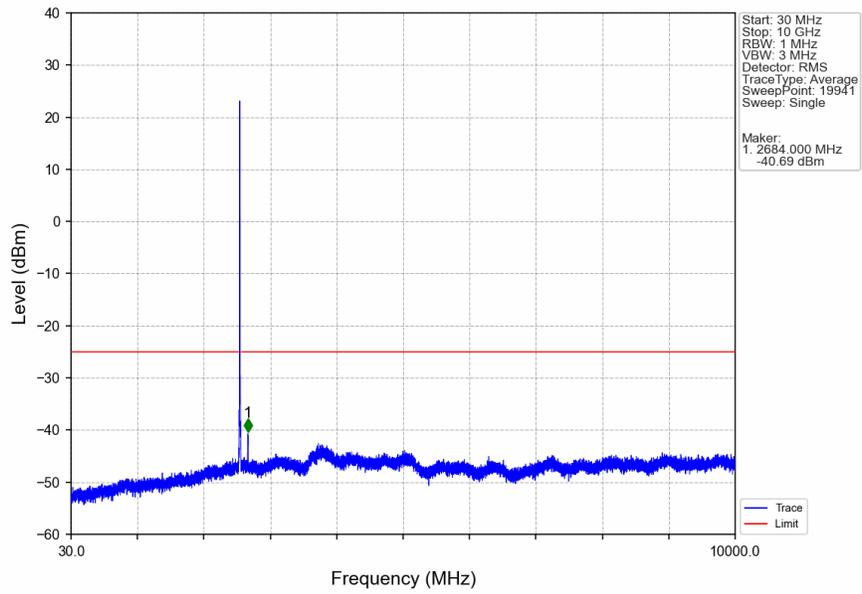
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



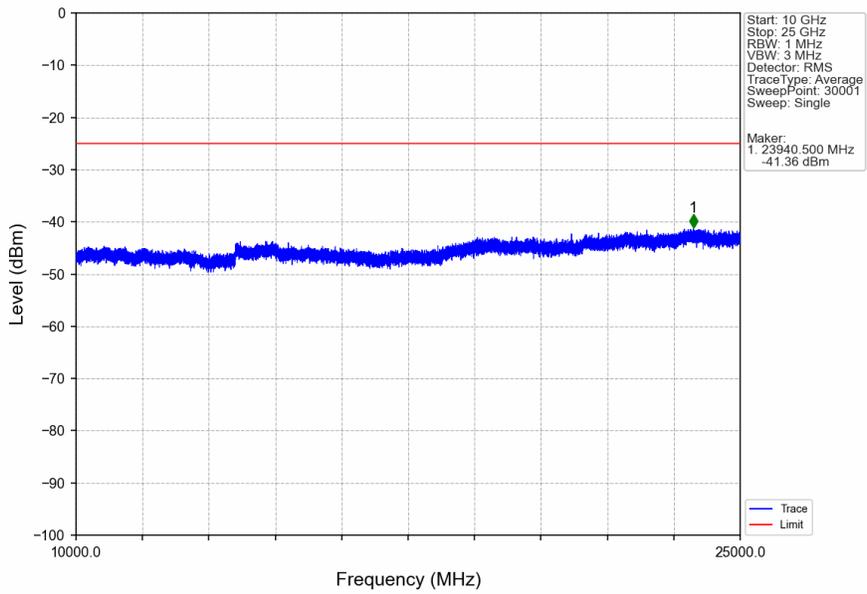
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



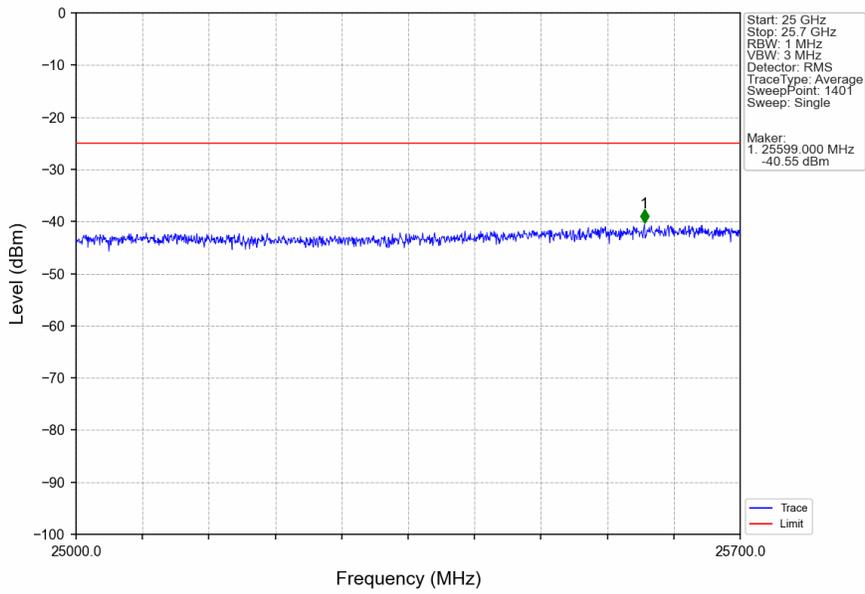
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



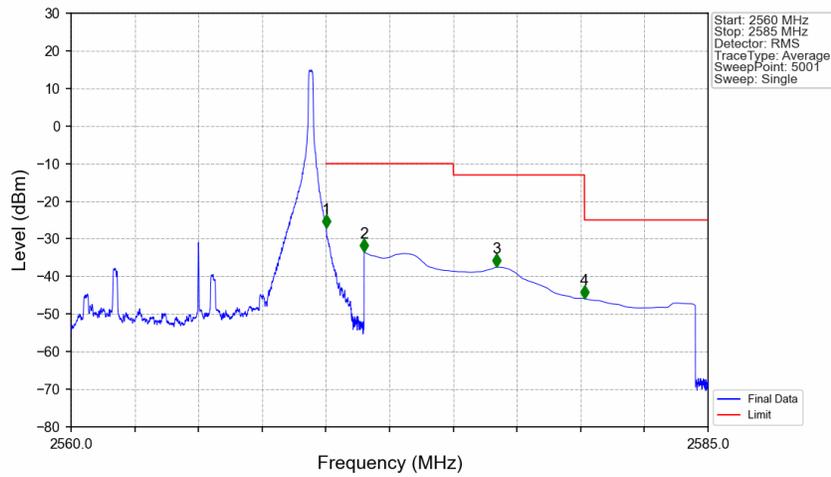
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV

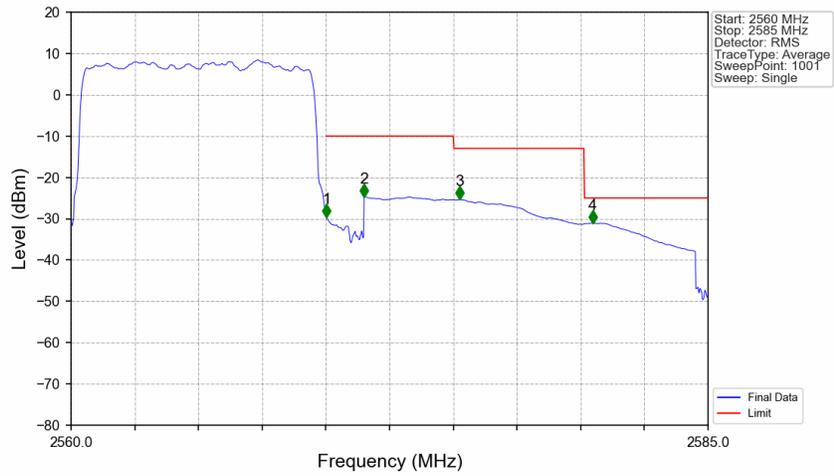


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



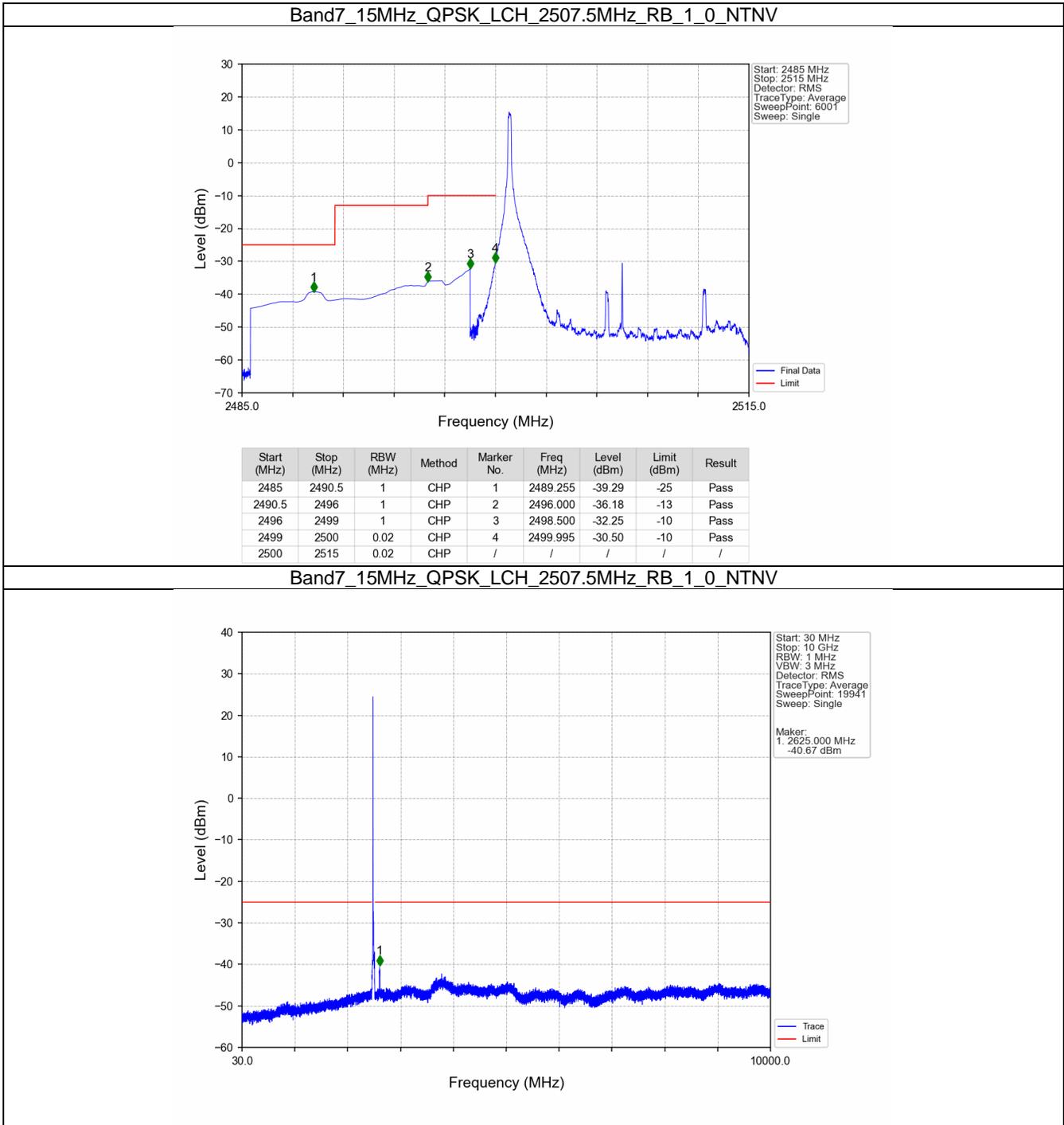
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-27.03	-10	Pass
2571	2575	1	CHP	2	2571.500	-33.50	-10	Pass
2575	2580.146	1	CHP	3	2576.695	-37.53	-13	Pass
2580.146	2585	1	CHP	4	2580.150	-45.93	-25	Pass

Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV

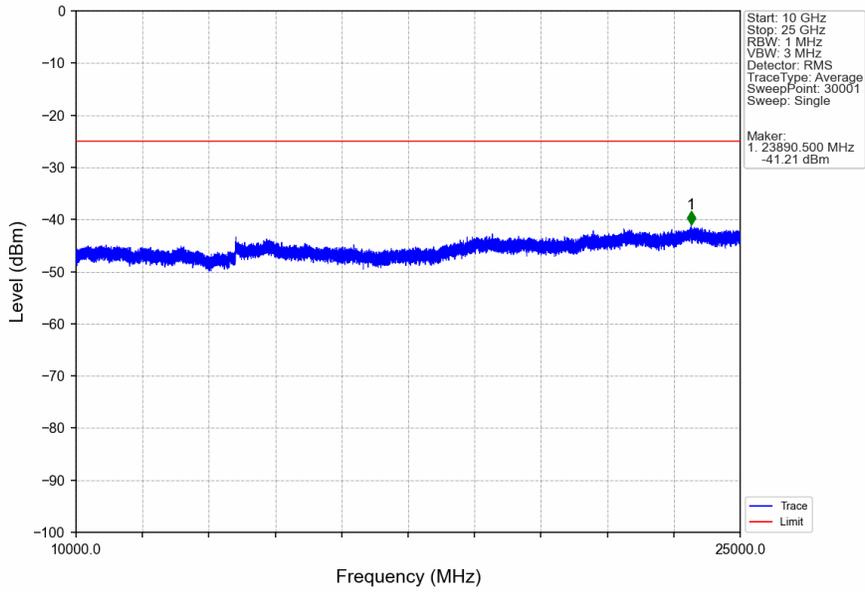


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.203	CHP	/	/	/	/	/
2570	2571	0.203	CHP	1	2570.025	-29.63	-10	Pass
2571	2575	1	CHP	2	2571.500	-24.71	-10	Pass
2575	2580.146	1	CHP	3	2575.250	-25.37	-13	Pass
2580.146	2585	1	CHP	4	2580.475	-31.06	-25	Pass

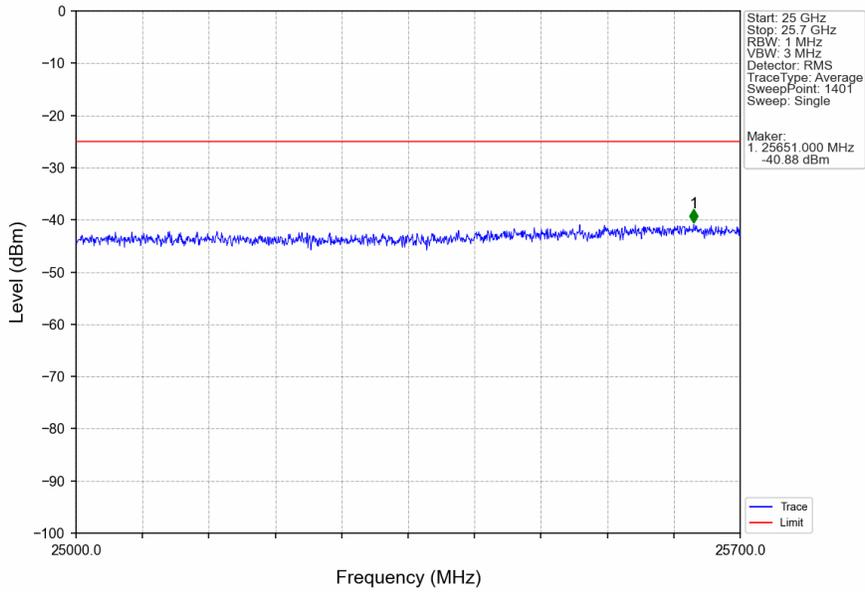
5.2.3 B7_15MHz



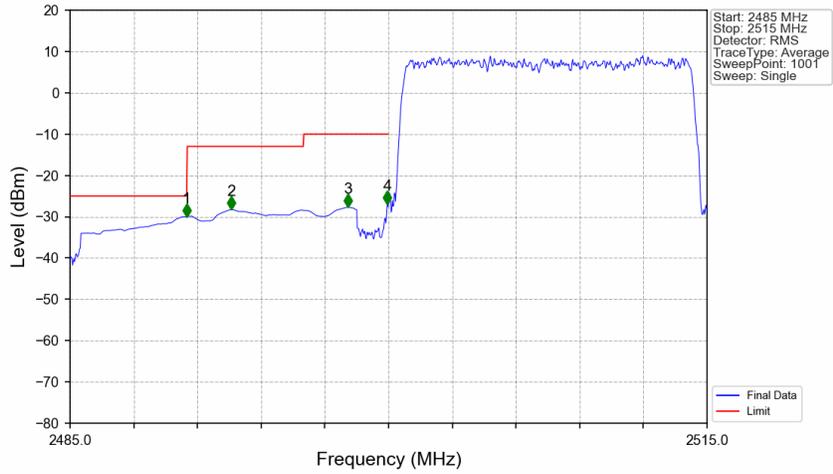
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV

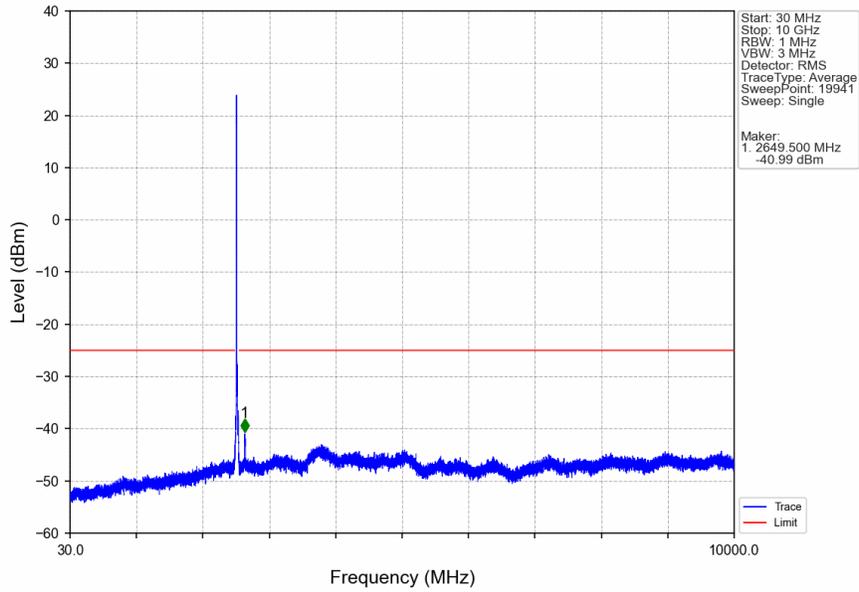


Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV

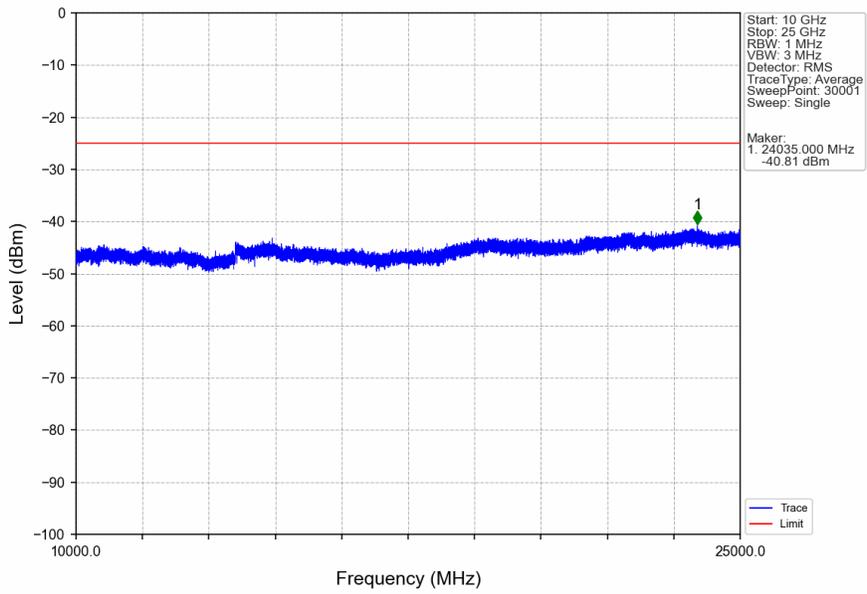


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-29.96	-25	Pass
2490.5	2496	1	CHP	2	2492.590	-28.26	-13	Pass
2496	2499	1	CHP	3	2498.080	-27.68	-10	Pass
2499	2500	0.3	/	4	2499.940	-26.96	-10	Pass
2500	2515	0.3	/	/	/	/	/	/

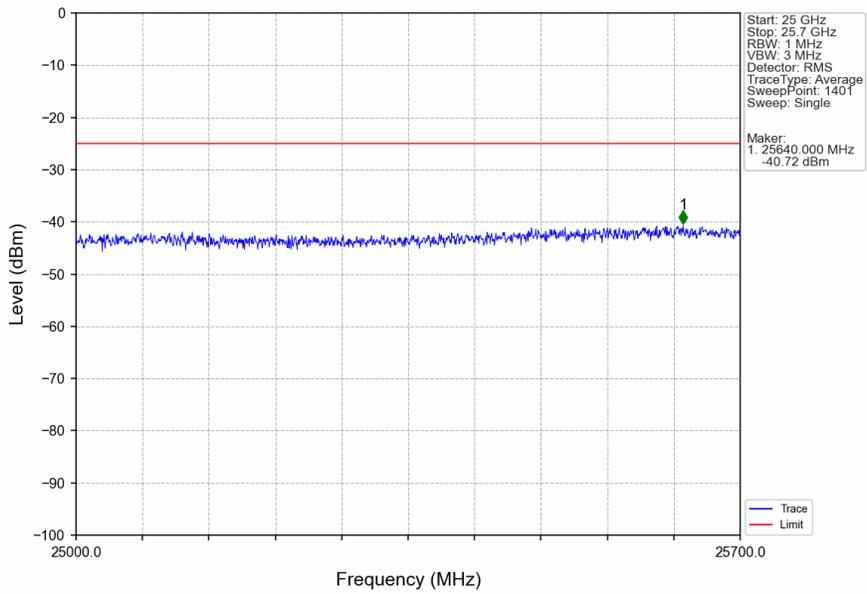
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



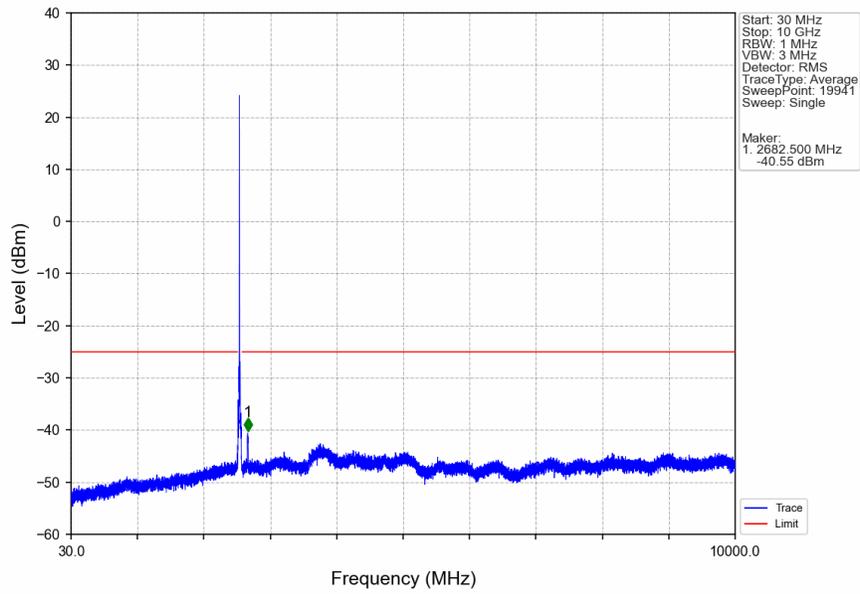
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



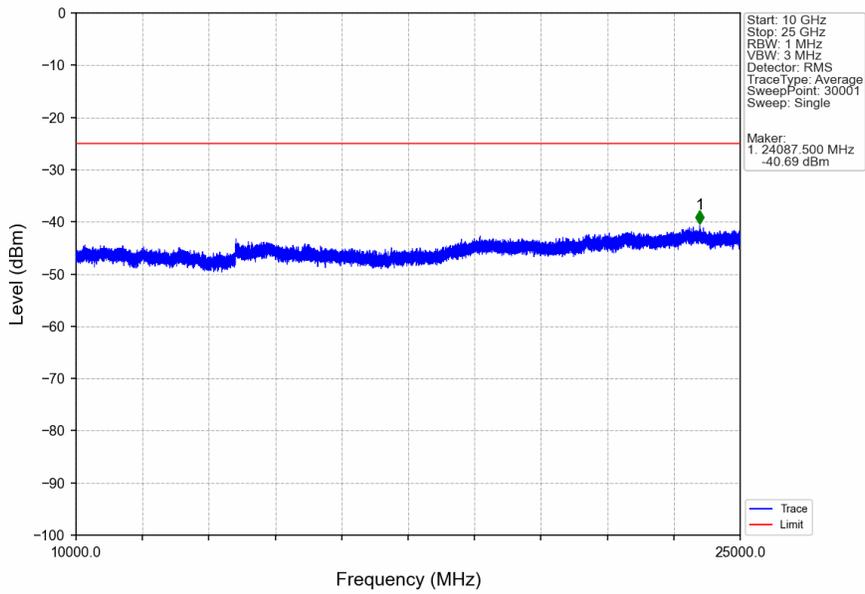
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



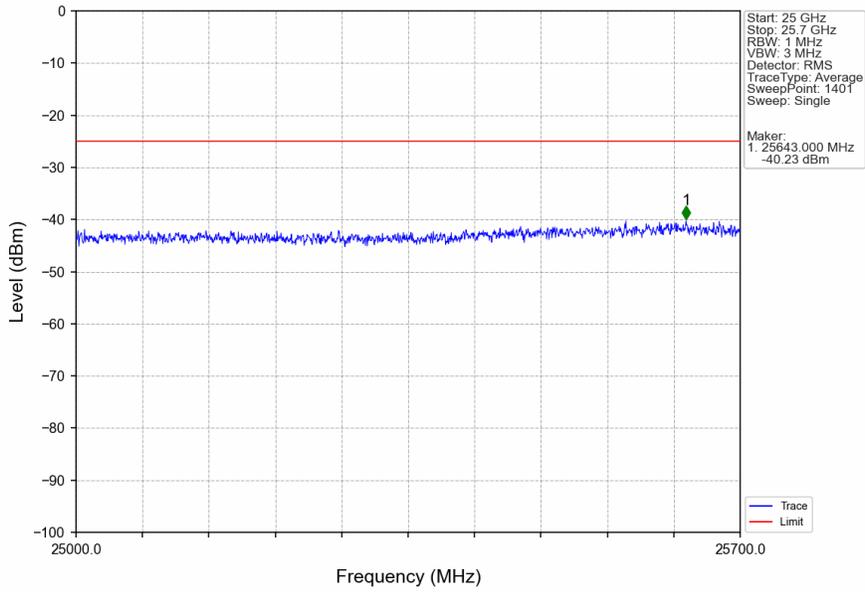
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



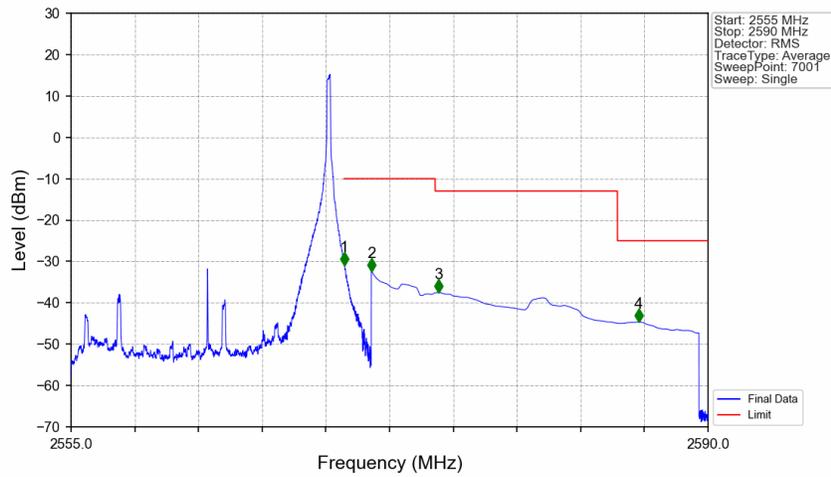
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV

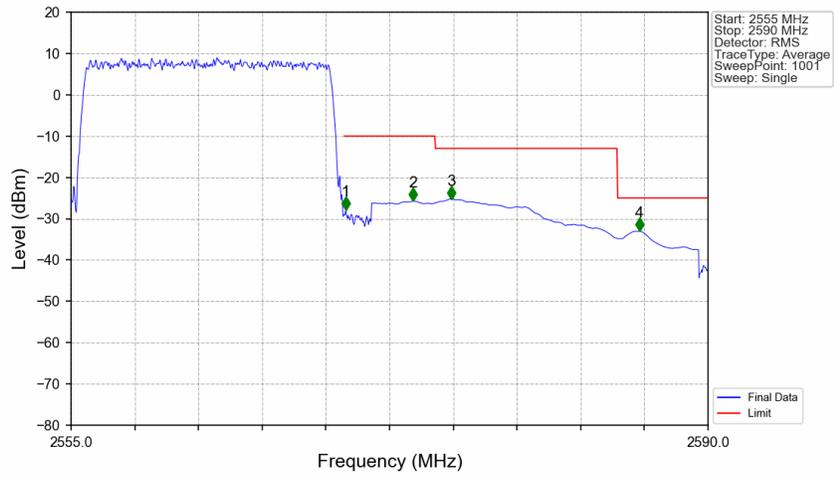


Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_74_NTNV



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	2570.005	-30.93	-10	Pass
2571	2575	1	CHP	2	2571.500	-32.41	-10	Pass
2575	2585.016	1	CHP	3	2575.175	-37.54	-13	Pass
2585.016	2590	1	CHP	4	2586.190	-44.65	-25	Pass

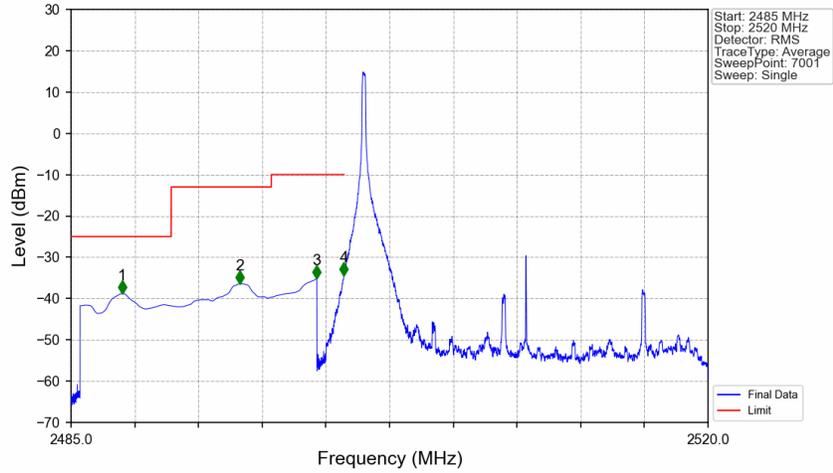
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



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	2570.085	-27.91	-10	Pass
2571	2575	1	CHP	2	2573.795	-25.74	-10	Pass
2575	2585.016	1	CHP	3	2575.895	-25.24	-13	Pass
2585.016	2590	1	CHP	4	2586.220	-33.03	-25	Pass

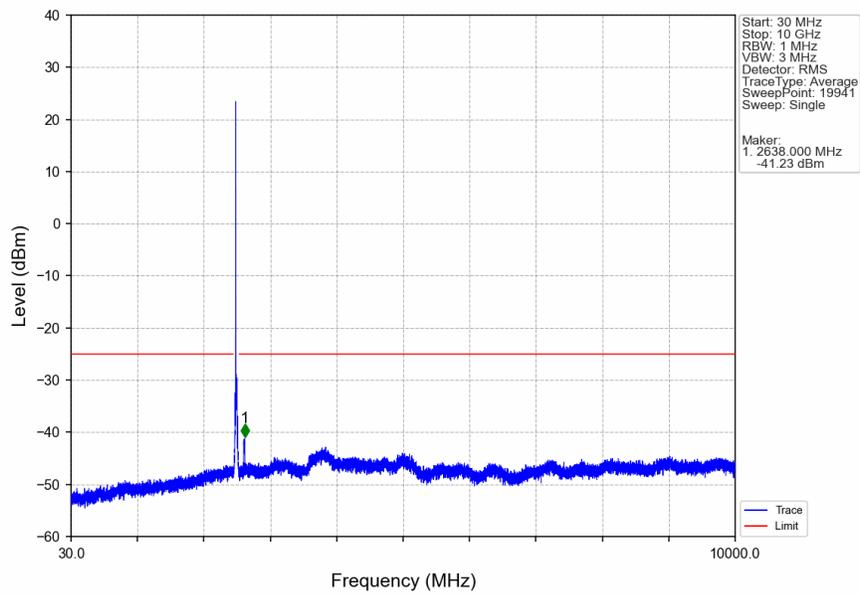
5.2.4 B7_20MHz

Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

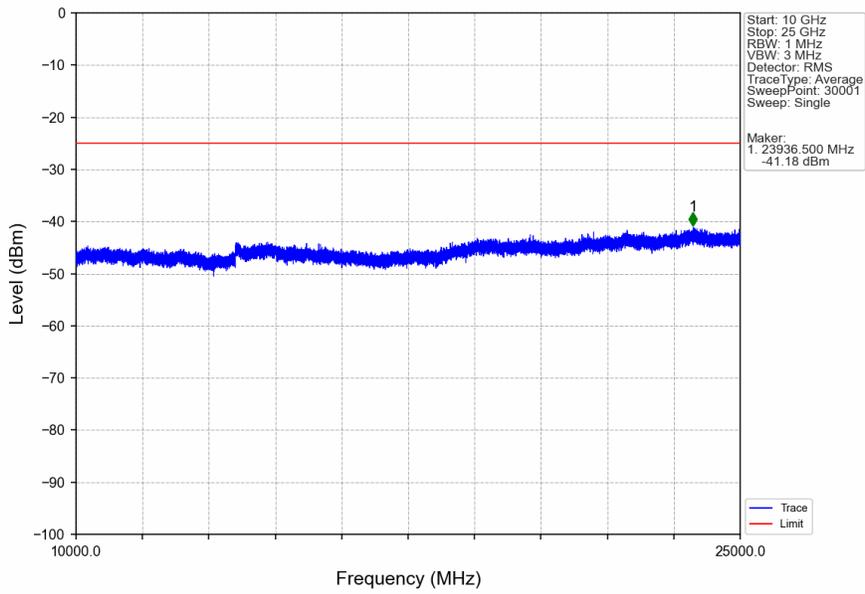


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.800	-38.80	-25	Pass
2490.5	2496	1	CHP	2	2494.280	-36.39	-13	Pass
2496	2499	1	CHP	3	2498.490	-35.22	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-34.43	-10	Pass
2500	2520	0.02	CHP	/	/	/	/	/

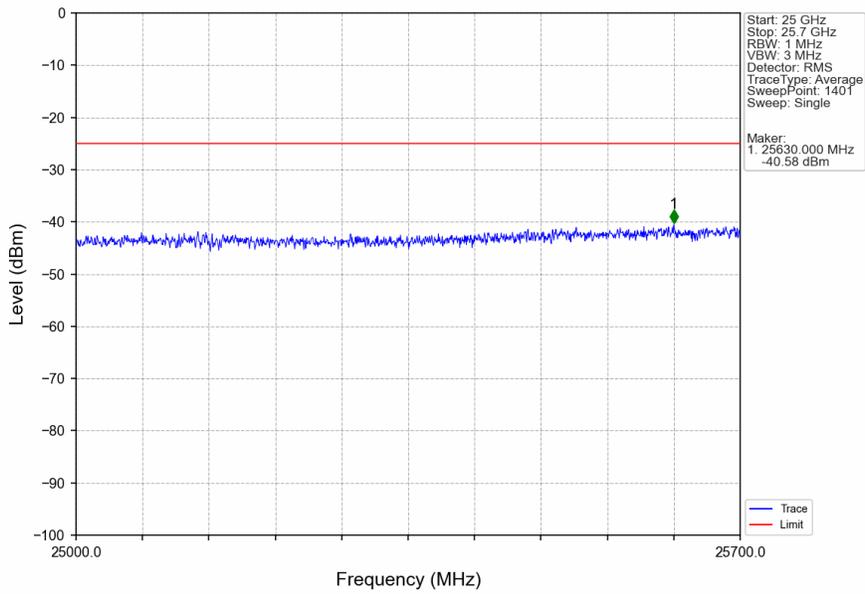
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



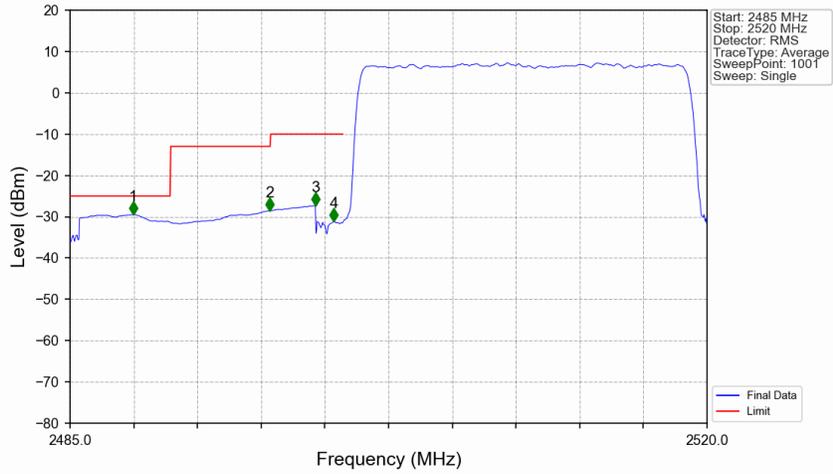
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

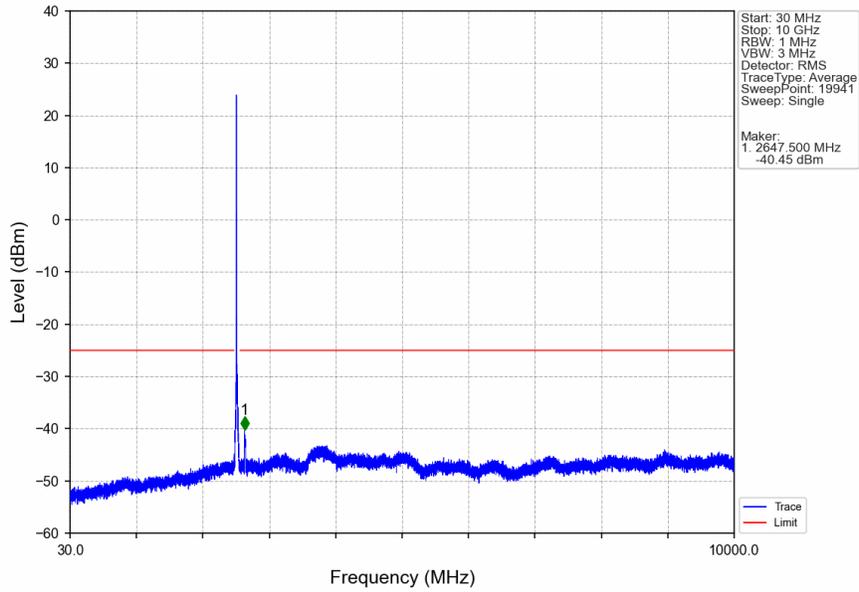


Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV

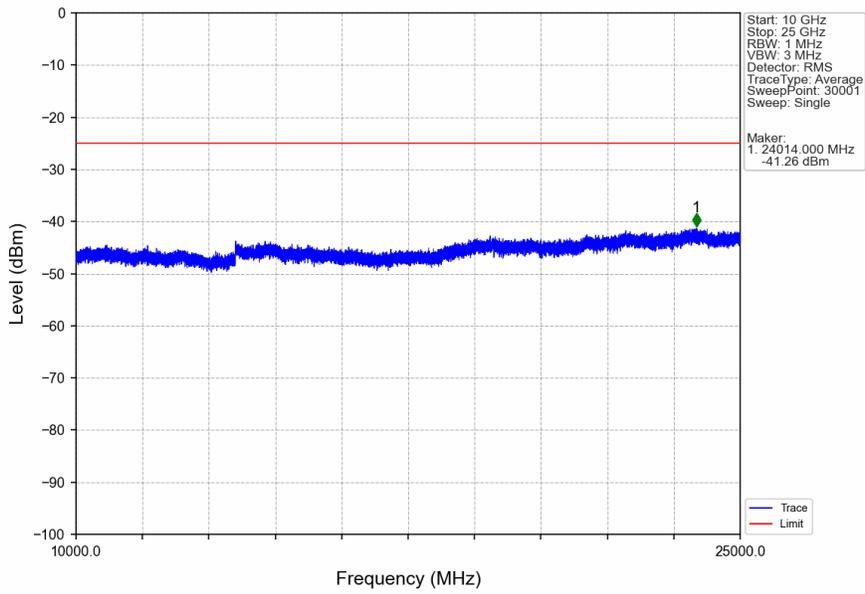


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.465	-29.46	-25	Pass
2490.5	2496	1	CHP	2	2495.955	-28.54	-13	Pass
2496	2499	1	CHP	3	2498.475	-27.34	-10	Pass
2499	2500	0.394	CHP	4	2499.490	-31.21	-10	Pass
2500	2520	0.394	CHP	/	/	/	/	/

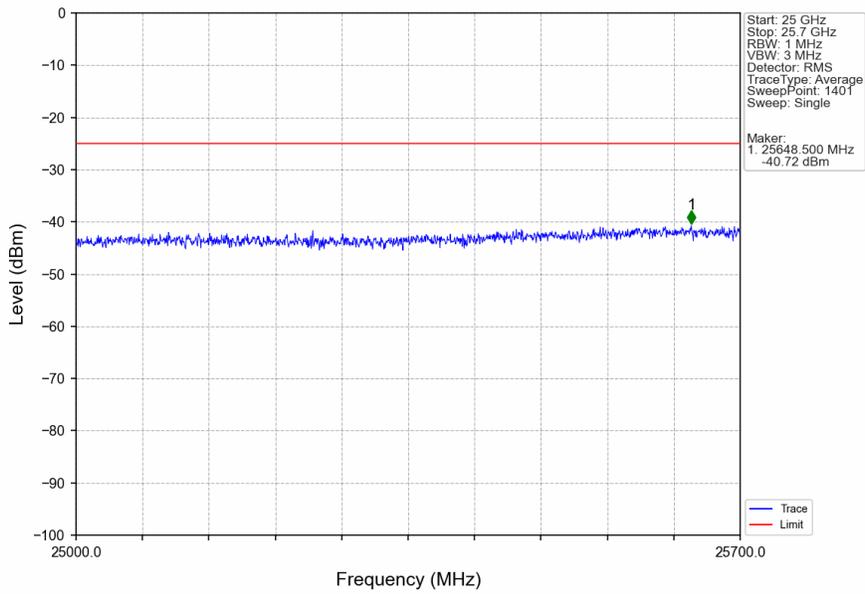
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



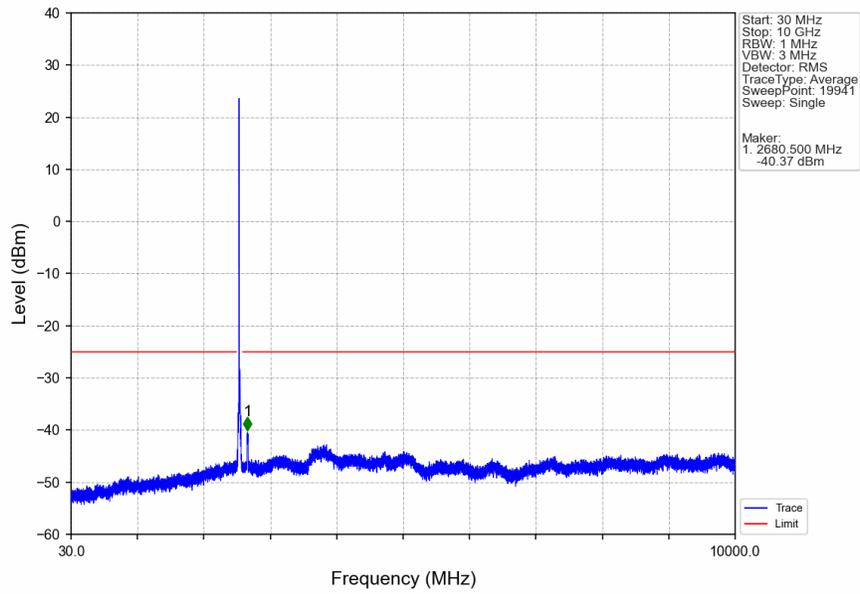
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



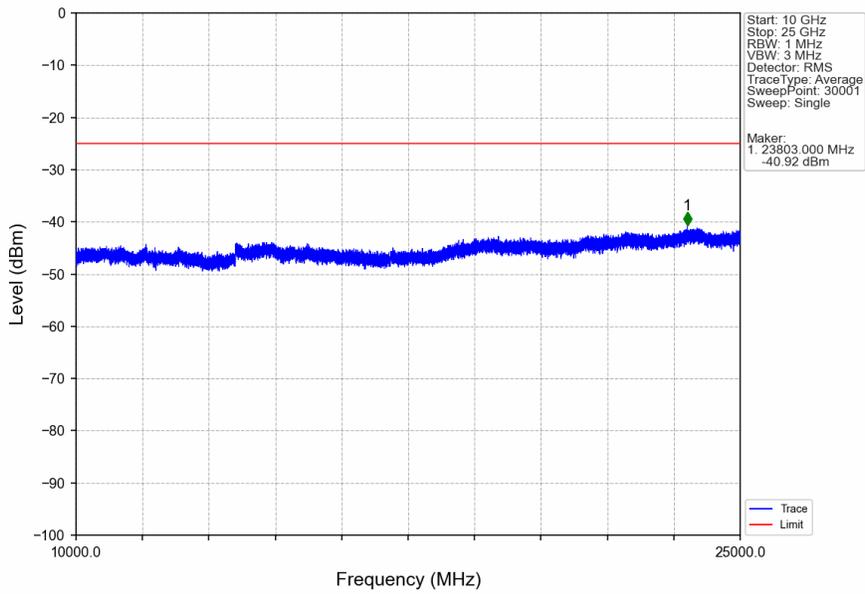
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



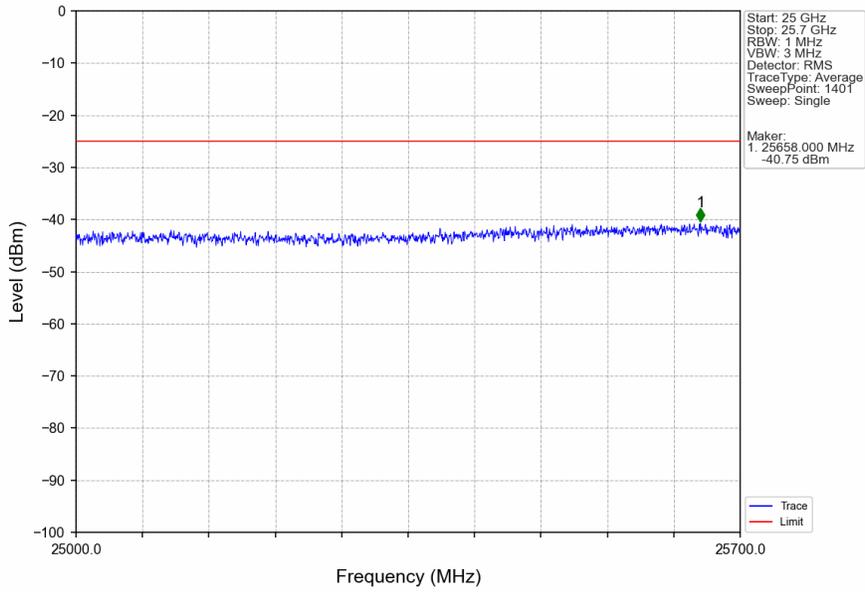
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



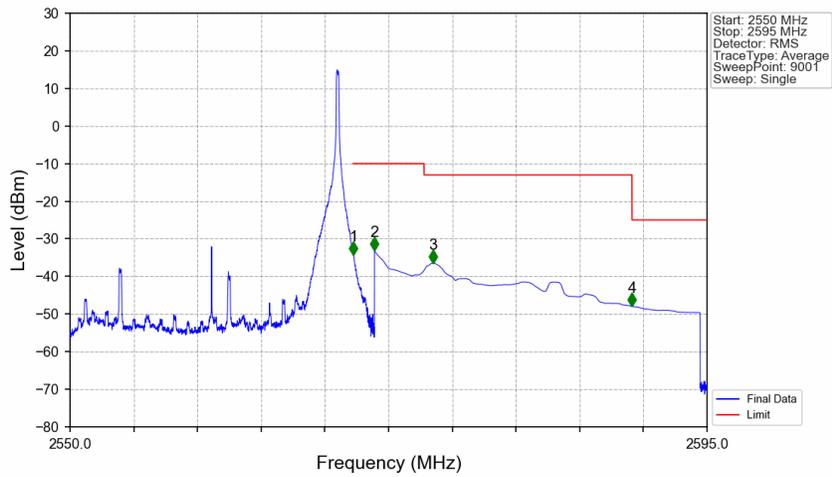
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV

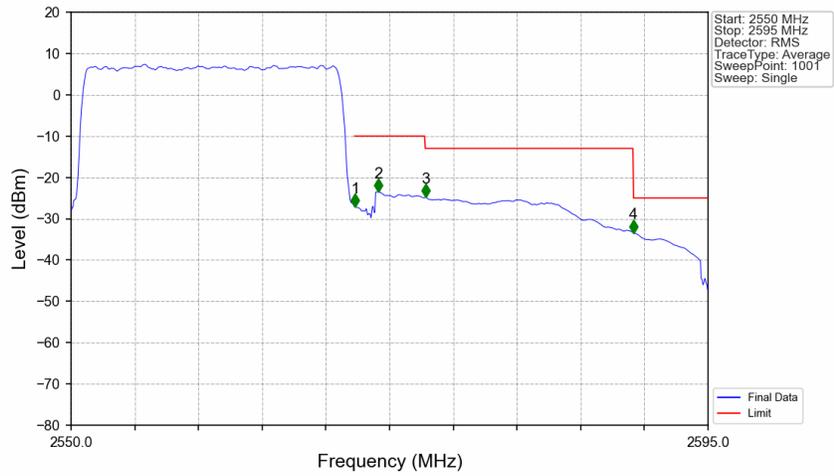


Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV



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	-34.23	-10	Pass
2571	2575	1	CHP	2	2571.500	-33.10	-10	Pass
2575	2589.693	1	CHP	3	2575.615	-36.50	-13	Pass
2589.693	2595	1	CHP	4	2589.695	-47.93	-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	-27.07	-10	Pass
2571	2575	1	CHP	2	2571.690	-23.47	-10	Pass
2575	2589.693	1	CHP	3	2575.065	-24.84	-13	Pass
2589.693	2595	1	CHP	4	2589.735	-33.41	-25	Pass

6. Field Strength of Spurious Radiation

LTE Band 7 ANT2-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	-61.62	-25	-36.62	-67.19	4.57	10.14	Horizontal	Pass
7503.0	-59.93	-25	-34.93	-66.73	4.94	11.74	Horizontal	Pass
10004.0	-47.67	-25	-22.67	-55.24	5.46	13.03	Horizontal	Pass
5002.0	-62.68	-25	-37.68	-68.25	4.57	10.14	Vertical	Pass
7503.0	-60.23	-25	-35.23	-67.03	4.94	11.74	Vertical	Pass
10004.0	-45.12	-25	-20.12	-52.69	5.46	13.03	Vertical	Pass

LTE Band 7 ANT2-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	-62.48	-25	-37.48	-68.06	4.59	10.17	Horizontal	Pass
7578.0	-59.77	-25	-34.77	-66.65	4.95	11.83	Horizontal	Pass
10104.0	-49.02	-25	-24.02	-56.59	5.48	13.05	Horizontal	Pass
5052.0	-62.03	-25	-37.03	-67.61	4.59	10.17	Vertical	Pass
7578.0	-59.78	-25	-34.78	-66.66	4.95	11.83	Vertical	Pass
10104.0	-44.16	-25	-19.16	-51.73	5.48	13.05	Vertical	Pass

LTE Band 7 ANT2-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	-63.45	-25	-38.45	-69.05	4.6	10.2	Horizontal	Pass
7653.0	-59.71	-25	-34.71	-66.68	4.95	11.92	Horizontal	Pass
10204.0	-49.06	-25	-24.06	-56.64	5.49	13.07	Horizontal	Pass
5102.0	-63.51	-25	-38.51	-69.11	4.6	10.2	Vertical	Pass
7653.0	-59.64	-25	-34.64	-66.61	4.95	11.92	Vertical	Pass
10204.0	-49.03	-25	-24.03	-56.61	5.49	13.07	Vertical	Pass