

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B7_5MHz_EIRP

Band: 7 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2502.5	1	0	22.46	-2.04	20.42	<=33.01	Pass
			13	22.50	-2.04	20.46	<=33.01	Pass
			24	22.55	-2.04	20.51	<=33.01	Pass
		12	0	21.63	-2.04	19.59	<=33.01	Pass
			6	21.61	-2.04	19.57	<=33.01	Pass
			13	21.58	-2.04	19.54	<=33.01	Pass
		25	0	21.59	-2.04	19.55	<=33.01	Pass
	2535	1	0	22.49	-2.04	20.45	<=33.01	Pass
			13	22.33	-2.04	20.29	<=33.01	Pass
			24	22.38	-2.04	20.34	<=33.01	Pass
		12	0	21.51	-2.04	19.47	<=33.01	Pass
			6	21.51	-2.04	19.47	<=33.01	Pass
			13	21.49	-2.04	19.45	<=33.01	Pass
		25	0	21.46	-2.04	19.42	<=33.01	Pass
	2567.5	1	0	22.56	-2.04	20.52	<=33.01	Pass
			13	22.54	-2.04	20.50	<=33.01	Pass
			24	22.36	-2.04	20.32	<=33.01	Pass
		12	0	21.65	-2.04	19.61	<=33.01	Pass
			6	21.63	-2.04	19.59	<=33.01	Pass
			13	21.63	-2.04	19.59	<=33.01	Pass
		25	0	21.67	-2.04	19.63	<=33.01	Pass
16QAM	2502.5	1	0	21.71	-2.04	19.67	<=33.01	Pass
			13	21.63	-2.04	19.59	<=33.01	Pass
			24	21.82	-2.04	19.78	<=33.01	Pass
		12	0	20.61	-2.04	18.57	<=33.01	Pass
			6	20.55	-2.04	18.51	<=33.01	Pass
			13	20.56	-2.04	18.52	<=33.01	Pass
		25	0	20.61	-2.04	18.57	<=33.01	Pass
	2535	1	0	21.48	-2.04	19.44	<=33.01	Pass
			13	21.62	-2.04	19.58	<=33.01	Pass
			24	21.56	-2.04	19.52	<=33.01	Pass
		12	0	20.52	-2.04	18.48	<=33.01	Pass
			6	20.55	-2.04	18.51	<=33.01	Pass
			13	20.49	-2.04	18.45	<=33.01	Pass
		25	0	20.49	-2.04	18.45	<=33.01	Pass
	2567.5	1	0	21.71	-2.04	19.67	<=33.01	Pass
			13	21.88	-2.04	19.84	<=33.01	Pass
			24	21.79	-2.04	19.75	<=33.01	Pass
		12	0	20.67	-2.04	18.63	<=33.01	Pass
			6	20.59	-2.04	18.55	<=33.01	Pass
			13	20.55	-2.04	18.51	<=33.01	Pass
		25	0	20.64	-2.04	18.60	<=33.01	Pass
64QAM	2502.5	1	0	20.29	-2.04	18.25	<=33.01	Pass
			13	20.71	-2.04	18.67	<=33.01	Pass
			24	20.10	-2.04	18.06	<=33.01	Pass
		12	0	19.66	-2.04	17.62	<=33.01	Pass
			6	19.60	-2.04	17.56	<=33.01	Pass
			13	19.62	-2.04	17.58	<=33.01	Pass
		25	0	19.57	-2.04	17.53	<=33.01	Pass

	2535	1	0	20.44	-2.04	18.40	<=33.01	Pass		
			13	20.60	-2.04	18.56	<=33.01	Pass		
			24	20.26	-2.04	18.22	<=33.01	Pass		
		12	0	19.54	-2.04	17.50	<=33.01	Pass		
			6	19.55	-2.04	17.51	<=33.01	Pass		
			13	19.53	-2.04	17.49	<=33.01	Pass		
		25	0	19.36	-2.04	17.32	<=33.01	Pass		
		2567.5	1	0	20.41	-2.04	18.37	<=33.01	Pass	
				13	20.66	-2.04	18.62	<=33.01	Pass	
	24			20.61	-2.04	18.57	<=33.01	Pass		
	12		0	19.68	-2.04	17.64	<=33.01	Pass		
			6	19.67	-2.04	17.63	<=33.01	Pass		
			13	19.67	-2.04	17.63	<=33.01	Pass		
	25		0	19.65	-2.04	17.61	<=33.01	Pass		
	256QAM		2502.5	1	0	17.54	-2.04	15.50	<=33.01	Pass
					13	17.61	-2.04	15.57	<=33.01	Pass
		24			17.64	-2.04	15.60	<=33.01	Pass	
		12		0	17.58	-2.04	15.54	<=33.01	Pass	
6				17.55	-2.04	15.51	<=33.01	Pass		
13				17.42	-2.04	15.38	<=33.01	Pass		
25		0		17.57	-2.04	15.53	<=33.01	Pass		
2535		1		0	17.56	-2.04	15.52	<=33.01	Pass	
				13	17.50	-2.04	15.46	<=33.01	Pass	
			24	17.56	-2.04	15.52	<=33.01	Pass		
		12	0	17.46	-2.04	15.42	<=33.01	Pass		
			6	17.39	-2.04	15.35	<=33.01	Pass		
			13	17.44	-2.04	15.40	<=33.01	Pass		
		25	0	17.43	-2.04	15.39	<=33.01	Pass		
		2567.5	1	0	17.62	-2.04	15.58	<=33.01	Pass	
				13	17.65	-2.04	15.61	<=33.01	Pass	
24				17.66	-2.04	15.62	<=33.01	Pass		
12			0	17.58	-2.04	15.54	<=33.01	Pass		
			6	17.46	-2.04	15.42	<=33.01	Pass		
			13	17.63	-2.04	15.59	<=33.01	Pass		
25			0	17.63	-2.04	15.59	<=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	22.34	-2.04	20.30	<=33.01	Pass
			25	22.44	-2.04	20.40	<=33.01	Pass
			49	22.56	-2.04	20.52	<=33.01	Pass
		25	0	21.62	-2.04	19.58	<=33.01	Pass
			13	21.58	-2.04	19.54	<=33.01	Pass
			25	21.57	-2.04	19.53	<=33.01	Pass
		50	0	21.61	-2.04	19.57	<=33.01	Pass
	2535	1	0	22.54	-2.04	20.50	<=33.01	Pass
			25	22.35	-2.04	20.31	<=33.01	Pass
			49	22.42	-2.04	20.38	<=33.01	Pass
		25	0	21.40	-2.04	19.36	<=33.01	Pass
			13	21.39	-2.04	19.35	<=33.01	Pass
			25	21.50	-2.04	19.46	<=33.01	Pass
		50	0	21.50	-2.04	19.46	<=33.01	Pass
	2565	1	0	22.57	-2.04	20.53	<=33.01	Pass

		25	25	22.48	-2.04	20.44	<=33.01	Pass
			49	22.65	-2.04	20.61	<=33.01	Pass
			0	21.57	-2.04	19.53	<=33.01	Pass
			13	21.59	-2.04	19.55	<=33.01	Pass
			25	21.59	-2.04	19.55	<=33.01	Pass
		50	0	21.58	-2.04	19.54	<=33.01	Pass
16QAM	2505	1	0	21.78	-2.04	19.74	<=33.01	Pass
			25	21.75	-2.04	19.71	<=33.01	Pass
			49	21.84	-2.04	19.80	<=33.01	Pass
		25	0	20.59	-2.04	18.55	<=33.01	Pass
			13	20.45	-2.04	18.41	<=33.01	Pass
			25	20.52	-2.04	18.48	<=33.01	Pass
		50	0	20.63	-2.04	18.59	<=33.01	Pass
	2535	1	0	21.81	-2.04	19.77	<=33.01	Pass
			25	21.65	-2.04	19.61	<=33.01	Pass
			49	21.95	-2.04	19.91	<=33.01	Pass
		25	0	20.49	-2.04	18.45	<=33.01	Pass
			13	20.45	-2.04	18.41	<=33.01	Pass
			25	20.43	-2.04	18.39	<=33.01	Pass
		50	0	20.47	-2.04	18.43	<=33.01	Pass
	2565	1	0	21.89	-2.04	19.85	<=33.01	Pass
			25	21.69	-2.04	19.65	<=33.01	Pass
			49	21.77	-2.04	19.73	<=33.01	Pass
		25	0	20.55	-2.04	18.51	<=33.01	Pass
			13	20.55	-2.04	18.51	<=33.01	Pass
			25	20.51	-2.04	18.47	<=33.01	Pass
		50	0	20.59	-2.04	18.55	<=33.01	Pass
64QAM	2505	1	0	20.74	-2.04	18.70	<=33.01	Pass
			25	20.65	-2.04	18.61	<=33.01	Pass
			49	20.57	-2.04	18.53	<=33.01	Pass
		25	0	19.57	-2.04	17.53	<=33.01	Pass
			13	19.52	-2.04	17.48	<=33.01	Pass
			25	19.46	-2.04	17.42	<=33.01	Pass
		50	0	19.57	-2.04	17.53	<=33.01	Pass
	2535	1	0	20.75	-2.04	18.71	<=33.01	Pass
			25	20.50	-2.04	18.46	<=33.01	Pass
			49	20.66	-2.04	18.62	<=33.01	Pass
		25	0	19.47	-2.04	17.43	<=33.01	Pass
			13	19.41	-2.04	17.37	<=33.01	Pass
			25	19.41	-2.04	17.37	<=33.01	Pass
		50	0	19.47	-2.04	17.43	<=33.01	Pass
	2565	1	0	20.72	-2.04	18.68	<=33.01	Pass
			25	20.39	-2.04	18.35	<=33.01	Pass
			49	20.84	-2.04	18.80	<=33.01	Pass
		25	0	19.53	-2.04	17.49	<=33.01	Pass
			13	19.53	-2.04	17.49	<=33.01	Pass
			25	19.55	-2.04	17.51	<=33.01	Pass
		50	0	19.58	-2.04	17.54	<=33.01	Pass
256QAM	2505	1	0	17.74	-2.04	15.70	<=33.01	Pass
			25	17.62	-2.04	15.58	<=33.01	Pass
			49	17.65	-2.04	15.61	<=33.01	Pass
		25	0	17.55	-2.04	15.51	<=33.01	Pass
			13	17.52	-2.04	15.48	<=33.01	Pass
			25	17.51	-2.04	15.47	<=33.01	Pass
		50	0	17.55	-2.04	15.51	<=33.01	Pass
	2535	1	0	17.56	-2.04	15.52	<=33.01	Pass
			25	17.52	-2.04	15.48	<=33.01	Pass
			49	17.60	-2.04	15.56	<=33.01	Pass
		25	0	17.44	-2.04	15.40	<=33.01	Pass

			13	17.43	-2.04	15.39	<=33.01	Pass
			25	17.43	-2.04	15.39	<=33.01	Pass
		50	0	17.43	-2.04	15.39	<=33.01	Pass
	2565	1	0	17.70	-2.04	15.66	<=33.01	Pass
			25	17.63	-2.04	15.59	<=33.01	Pass
			49	17.71	-2.04	15.67	<=33.01	Pass
		25	0	17.52	-2.04	15.48	<=33.01	Pass
			13	17.53	-2.04	15.49	<=33.01	Pass
			25	17.55	-2.04	15.51	<=33.01	Pass
		50	0	17.55	-2.04	15.51	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B7_15MHz_EIRP

Band: 7 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2507.5	1	0	22.59	-2.04	20.55	<=33.01	Pass
			38	22.61	-2.04	20.57	<=33.01	Pass
			74	22.48	-2.04	20.44	<=33.01	Pass
		36	0	21.64	-2.04	19.60	<=33.01	Pass
			18	21.64	-2.04	19.60	<=33.01	Pass
			39	21.46	-2.04	19.42	<=33.01	Pass
		75	0	21.65	-2.04	19.61	<=33.01	Pass
	2535	1	0	22.50	-2.04	20.46	<=33.01	Pass
			38	22.35	-2.04	20.31	<=33.01	Pass
			74	22.45	-2.04	20.41	<=33.01	Pass
		36	0	21.51	-2.04	19.47	<=33.01	Pass
			18	21.54	-2.04	19.50	<=33.01	Pass
			39	21.50	-2.04	19.46	<=33.01	Pass
		75	0	21.51	-2.04	19.47	<=33.01	Pass
	2562.5	1	0	22.45	-2.04	20.41	<=33.01	Pass
			38	22.61	-2.04	20.57	<=33.01	Pass
			74	22.69	-2.04	20.65	<=33.01	Pass
		36	0	21.50	-2.04	19.46	<=33.01	Pass
			18	21.60	-2.04	19.56	<=33.01	Pass
			39	21.62	-2.04	19.58	<=33.01	Pass
		75	0	21.61	-2.04	19.57	<=33.01	Pass
16QAM	2507.5	1	0	21.73	-2.04	19.69	<=33.01	Pass
			38	21.82	-2.04	19.78	<=33.01	Pass
			74	21.88	-2.04	19.84	<=33.01	Pass
		36	0	20.45	-2.04	18.41	<=33.01	Pass
			18	20.66	-2.04	18.62	<=33.01	Pass
			39	20.53	-2.04	18.49	<=33.01	Pass
		75	0	20.69	-2.04	18.65	<=33.01	Pass
	2535	1	0	21.39	-2.04	19.35	<=33.01	Pass
			38	21.65	-2.04	19.61	<=33.01	Pass
			74	21.86	-2.04	19.82	<=33.01	Pass
		36	0	20.50	-2.04	18.46	<=33.01	Pass
			18	20.44	-2.04	18.40	<=33.01	Pass
			39	20.36	-2.04	18.32	<=33.01	Pass
		75	0	20.54	-2.04	18.50	<=33.01	Pass
	2562.5	1	0	21.88	-2.04	19.84	<=33.01	Pass
			38	21.80	-2.04	19.76	<=33.01	Pass
			74	21.83	-2.04	19.79	<=33.01	Pass
		36	0	20.52	-2.04	18.48	<=33.01	Pass
			18	20.64	-2.04	18.60	<=33.01	Pass

			39	20.62	-2.04	18.58	<=33.01	Pass	
		75	0	20.60	-2.04	18.56	<=33.01	Pass	
64QAM	2507.5	1	0	20.67	-2.04	18.63	<=33.01	Pass	
			38	20.73	-2.04	18.69	<=33.01	Pass	
			74	20.63	-2.04	18.59	<=33.01	Pass	
			0	19.64	-2.04	17.60	<=33.01	Pass	
		36	18	19.68	-2.04	17.64	<=33.01	Pass	
			39	19.55	-2.04	17.51	<=33.01	Pass	
			75	0	19.66	-2.04	17.62	<=33.01	Pass
		2535	1	0	20.34	-2.04	18.30	<=33.01	Pass
				38	20.70	-2.04	18.66	<=33.01	Pass
				74	20.40	-2.04	18.36	<=33.01	Pass
	36		0	19.40	-2.04	17.36	<=33.01	Pass	
			18	19.53	-2.04	17.49	<=33.01	Pass	
			39	19.42	-2.04	17.38	<=33.01	Pass	
	75		0	19.53	-2.04	17.49	<=33.01	Pass	
	2562.5	1	0	20.74	-2.04	18.70	<=33.01	Pass	
			38	20.76	-2.04	18.72	<=33.01	Pass	
			74	20.81	-2.04	18.77	<=33.01	Pass	
		36	0	19.59	-2.04	17.55	<=33.01	Pass	
			18	19.62	-2.04	17.58	<=33.01	Pass	
			39	19.44	-2.04	17.40	<=33.01	Pass	
		75	0	19.62	-2.04	17.58	<=33.01	Pass	
		256QAM	2507.5	1	0	17.76	-2.04	15.72	<=33.01
38					17.68	-2.04	15.64	<=33.01	Pass
74	17.53				-2.04	15.49	<=33.01	Pass	
36	0			17.62	-2.04	15.58	<=33.01	Pass	
	18			17.62	-2.04	15.58	<=33.01	Pass	
	39			17.49	-2.04	15.45	<=33.01	Pass	
75	0			17.64	-2.04	15.60	<=33.01	Pass	
2535	1		0	17.58	-2.04	15.54	<=33.01	Pass	
			38	17.63	-2.04	15.59	<=33.01	Pass	
			74	17.43	-2.04	15.39	<=33.01	Pass	
	36		0	17.48	-2.04	15.44	<=33.01	Pass	
			18	17.37	-2.04	15.33	<=33.01	Pass	
			39	17.49	-2.04	15.45	<=33.01	Pass	
2562.5	1		0	17.51	-2.04	15.47	<=33.01	Pass	
			0	17.35	-2.04	15.31	<=33.01	Pass	
			38	17.69	-2.04	15.65	<=33.01	Pass	
	36		74	17.68	-2.04	15.64	<=33.01	Pass	
			0	17.51	-2.04	15.47	<=33.01	Pass	
		18	17.52	-2.04	15.48	<=33.01	Pass		
	39	17.50	-2.04	15.46	<=33.01	Pass			
75	0	17.61	-2.04	15.57	<=33.01	Pass			
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.4 B7_20MHz_EIRP

Band: 7 / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	22.46	-2.04	20.42	<=33.01	Pass
			50	22.62	-2.04	20.58	<=33.01	Pass
			99	22.51	-2.04	20.47	<=33.01	Pass
		50	0	21.67	-2.04	19.63	<=33.01	Pass
			25	21.65	-2.04	19.61	<=33.01	Pass
			50	21.63	-2.04	19.59	<=33.01	Pass

		100	0	21.65	-2.04	19.61	<=33.01	Pass	
	2535	1	0	22.58	-2.04	20.54	<=33.01	Pass	
			50	22.39	-2.04	20.35	<=33.01	Pass	
			99	22.39	-2.04	20.35	<=33.01	Pass	
			0	21.61	-2.04	19.57	<=33.01	Pass	
		50	25	21.59	-2.04	19.55	<=33.01	Pass	
			50	21.58	-2.04	19.54	<=33.01	Pass	
	100	0	21.57	-2.04	19.53	<=33.01	Pass		
	2560	1	0	22.52	-2.04	20.48	<=33.01	Pass	
			50	22.54	-2.04	20.50	<=33.01	Pass	
			99	22.66	-2.04	20.62	<=33.01	Pass	
		50	0	21.69	-2.04	19.65	<=33.01	Pass	
			25	21.64	-2.04	19.60	<=33.01	Pass	
			50	21.65	-2.04	19.61	<=33.01	Pass	
		100	0	21.61	-2.04	19.57	<=33.01	Pass	
		16QAM	2510	1	0	21.68	-2.04	19.64	<=33.01
50	21.90				-2.04	19.86	<=33.01	Pass	
99	21.77				-2.04	19.73	<=33.01	Pass	
50	0			20.72	-2.04	18.68	<=33.01	Pass	
	25			20.57	-2.04	18.53	<=33.01	Pass	
	50			20.62	-2.04	18.58	<=33.01	Pass	
100	0			20.63	-2.04	18.59	<=33.01	Pass	
2535	1		0	21.38	-2.04	19.34	<=33.01	Pass	
			50	21.61	-2.04	19.57	<=33.01	Pass	
			99	21.56	-2.04	19.52	<=33.01	Pass	
	50		0	20.56	-2.04	18.52	<=33.01	Pass	
			25	20.56	-2.04	18.52	<=33.01	Pass	
			50	20.44	-2.04	18.40	<=33.01	Pass	
	100		0	20.53	-2.04	18.49	<=33.01	Pass	
2560	1		0	21.80	-2.04	19.76	<=33.01	Pass	
			50	21.87	-2.04	19.83	<=33.01	Pass	
			99	21.75	-2.04	19.71	<=33.01	Pass	
	50		0	20.64	-2.04	18.60	<=33.01	Pass	
			25	20.68	-2.04	18.64	<=33.01	Pass	
			50	20.60	-2.04	18.56	<=33.01	Pass	
	100		0	20.63	-2.04	18.59	<=33.01	Pass	
64QAM	2510		1	0	20.70	-2.04	18.66	<=33.01	Pass
				50	20.72	-2.04	18.68	<=33.01	Pass
				99	20.64	-2.04	18.60	<=33.01	Pass
		50	0	19.67	-2.04	17.63	<=33.01	Pass	
			25	19.70	-2.04	17.66	<=33.01	Pass	
			50	19.53	-2.04	17.49	<=33.01	Pass	
		100	0	19.53	-2.04	17.49	<=33.01	Pass	
	2535	1	0	20.04	-2.04	18.00	<=33.01	Pass	
			50	20.56	-2.04	18.52	<=33.01	Pass	
			99	20.32	-2.04	18.28	<=33.01	Pass	
		50	0	19.19	-2.04	17.15	<=33.01	Pass	
			25	19.55	-2.04	17.51	<=33.01	Pass	
			50	19.54	-2.04	17.50	<=33.01	Pass	
		100	0	19.54	-2.04	17.50	<=33.01	Pass	
	2560	1	0	20.67	-2.04	18.63	<=33.01	Pass	
			50	20.79	-2.04	18.75	<=33.01	Pass	
			99	20.82	-2.04	18.78	<=33.01	Pass	
		50	0	19.65	-2.04	17.61	<=33.01	Pass	
			25	19.65	-2.04	17.61	<=33.01	Pass	
			50	19.61	-2.04	17.57	<=33.01	Pass	
		100	0	19.62	-2.04	17.58	<=33.01	Pass	
	256QAM	2510	1	0	17.76	-2.04	15.72	<=33.01	Pass
				50	17.77	-2.04	15.73	<=33.01	Pass

			99	17.57	-2.04	15.53	<=33.01	Pass
		50	0	17.61	-2.04	15.57	<=33.01	Pass
			25	17.58	-2.04	15.54	<=33.01	Pass
			50	17.54	-2.04	15.50	<=33.01	Pass
		100	0	17.62	-2.04	15.58	<=33.01	Pass
	2535	1	0	17.64	-2.04	15.60	<=33.01	Pass
			50	17.65	-2.04	15.61	<=33.01	Pass
			99	17.44	-2.04	15.40	<=33.01	Pass
		50	0	17.54	-2.04	15.50	<=33.01	Pass
			25	17.54	-2.04	15.50	<=33.01	Pass
			50	17.49	-2.04	15.45	<=33.01	Pass
		100	0	17.53	-2.04	15.49	<=33.01	Pass
	2560	1	0	17.68	-2.04	15.64	<=33.01	Pass
			50	17.70	-2.04	15.66	<=33.01	Pass
			99	17.73	-2.04	15.69	<=33.01	Pass
		50	0	17.50	-2.04	15.46	<=33.01	Pass
			25	17.65	-2.04	15.61	<=33.01	Pass
			50	17.51	-2.04	15.47	<=33.01	Pass
		100	0	17.56	-2.04	15.52	<=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	3.4	-8.500	-0.0034	-2.5 to 2.5	Pass
					3.8	5.300	0.0021	-2.5 to 2.5	Pass
					4.45	-8.200	-0.0032	-2.5 to 2.5	Pass
				-30	3.8	1.600	0.0006	-2.5 to 2.5	Pass
				-20	3.8	0.200	0.0001	-2.5 to 2.5	Pass
				-10	3.8	1.200	0.0005	-2.5 to 2.5	Pass
				0	3.8	-11.100	-0.0044	-2.5 to 2.5	Pass
				10	3.8	-6.200	-0.0024	-2.5 to 2.5	Pass
				30	3.8	-7.100	-0.0028	-2.5 to 2.5	Pass
				40	3.8	4.900	0.0019	-2.5 to 2.5	Pass
				50	3.8	3.900	0.0015	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band7_OBW

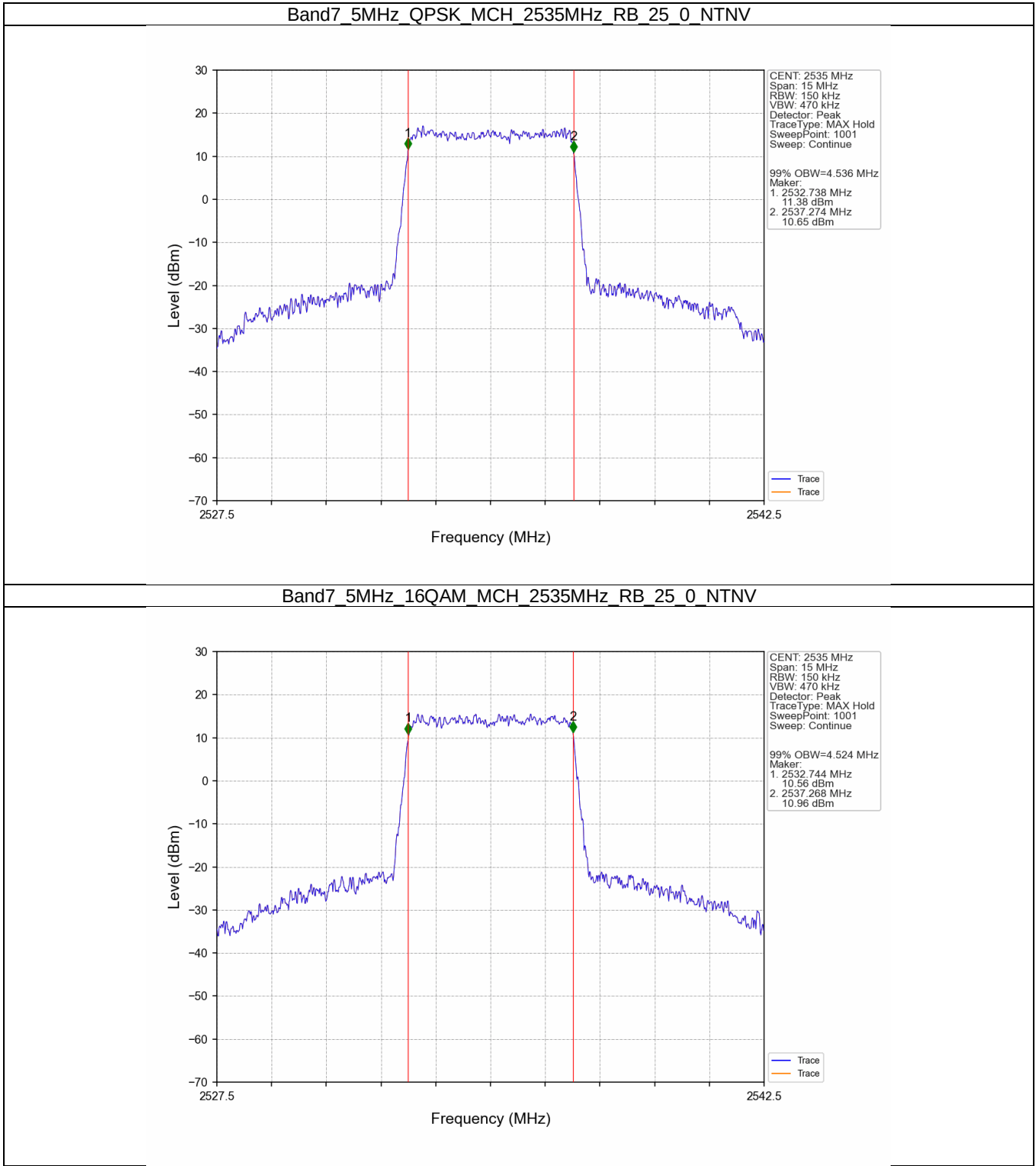
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	4.536	/	Pass
	16QAM	2535	25	0	4.524	/	Pass
10	QPSK	2535	50	0	9.076	/	Pass
	16QAM	2535	50	0	9.041	/	Pass
15	QPSK	2535	75	0	13.562	/	Pass
	16QAM	2535	75	0	13.594	/	Pass
20	QPSK	2535	100	0	18.074	/	Pass
	16QAM	2535	100	0	18.129	/	Pass

3.1.2 Band7_XDB

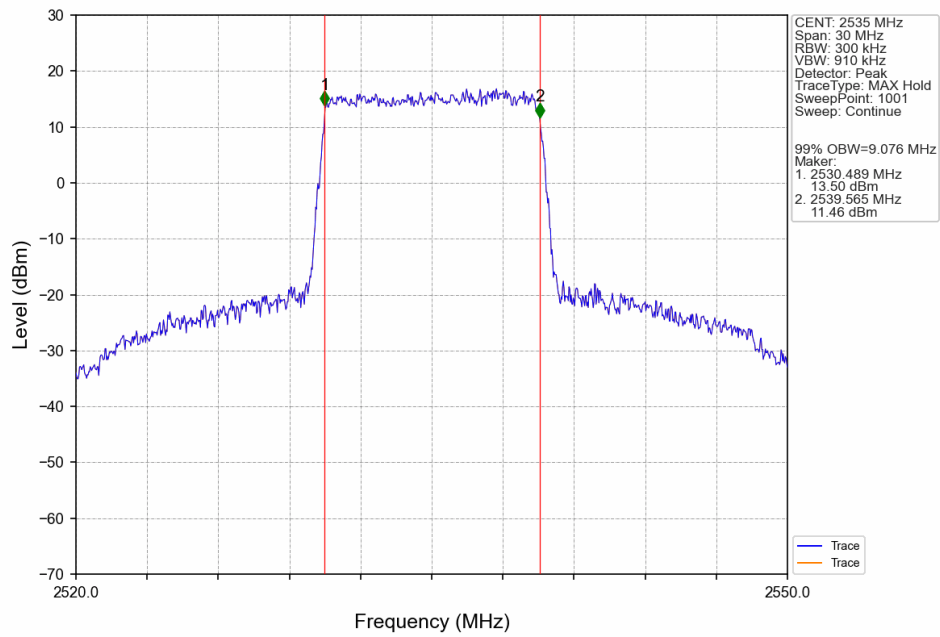
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	5.038	/	Pass
	16QAM	2535	25	0	5.048	/	Pass
10	QPSK	2535	50	0	9.968	/	Pass
	16QAM	2535	50	0	9.887	/	Pass
15	QPSK	2535	75	0	14.900	/	Pass
	16QAM	2535	75	0	14.945	/	Pass
20	QPSK	2535	100	0	19.727	/	Pass
	16QAM	2535	100	0	19.623	/	Pass

3.2 Test Graph

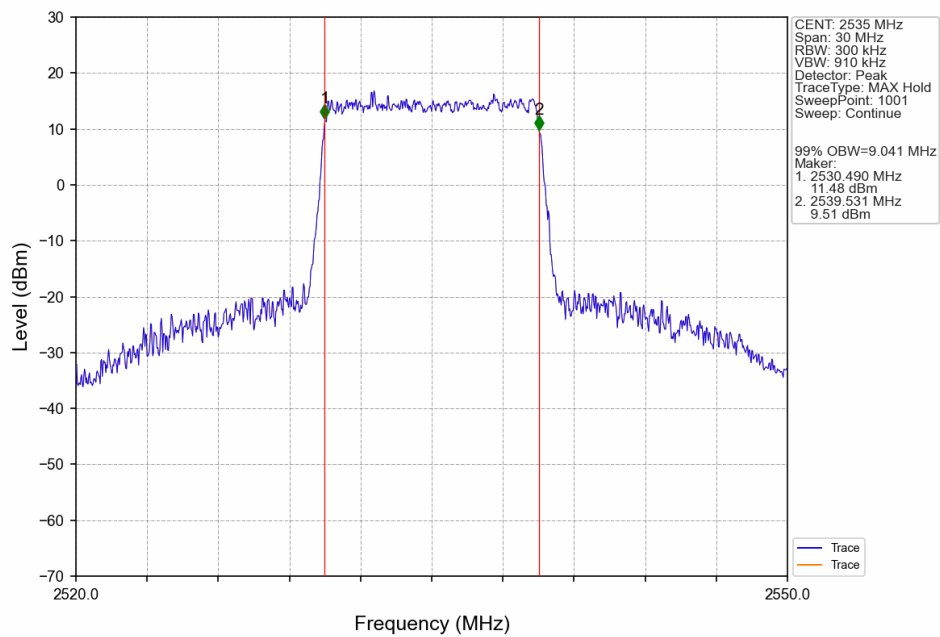
3.2.1 Band7_OBW



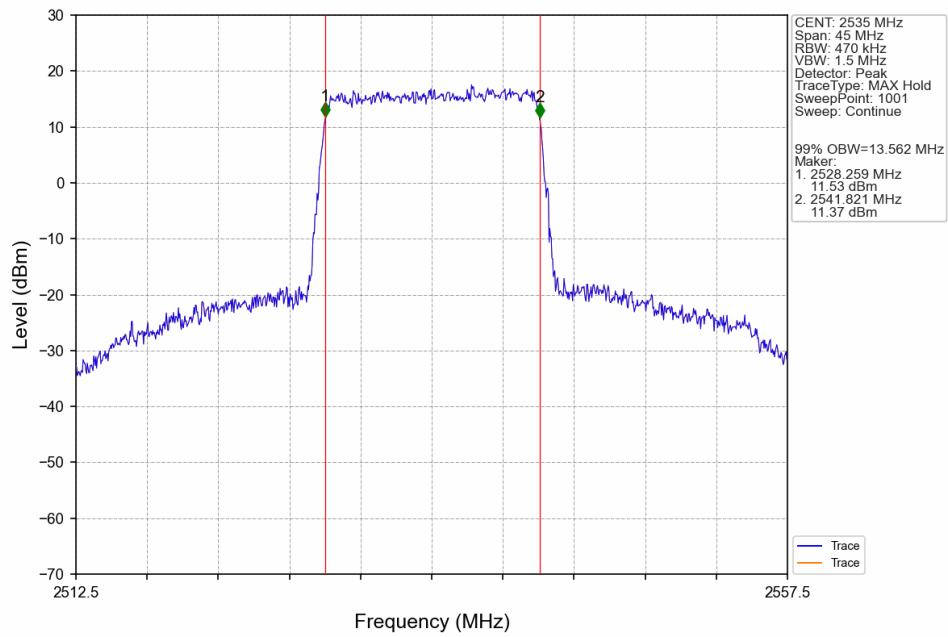
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



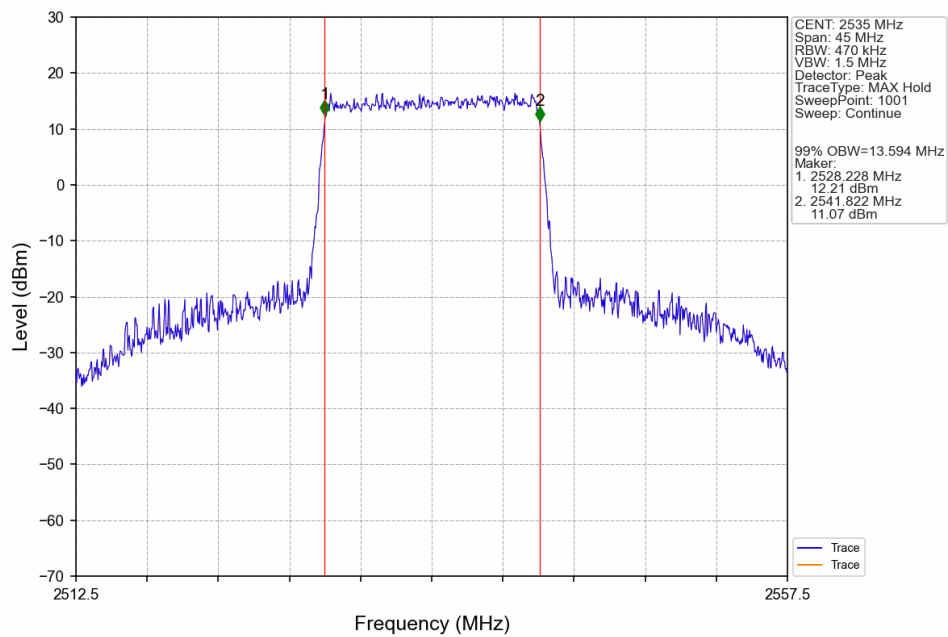
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTN



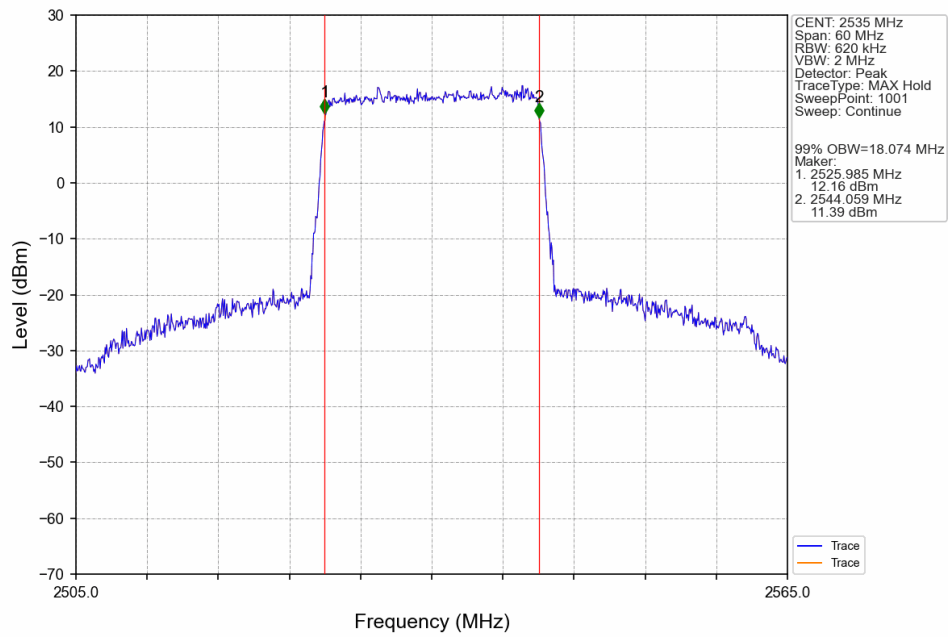
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



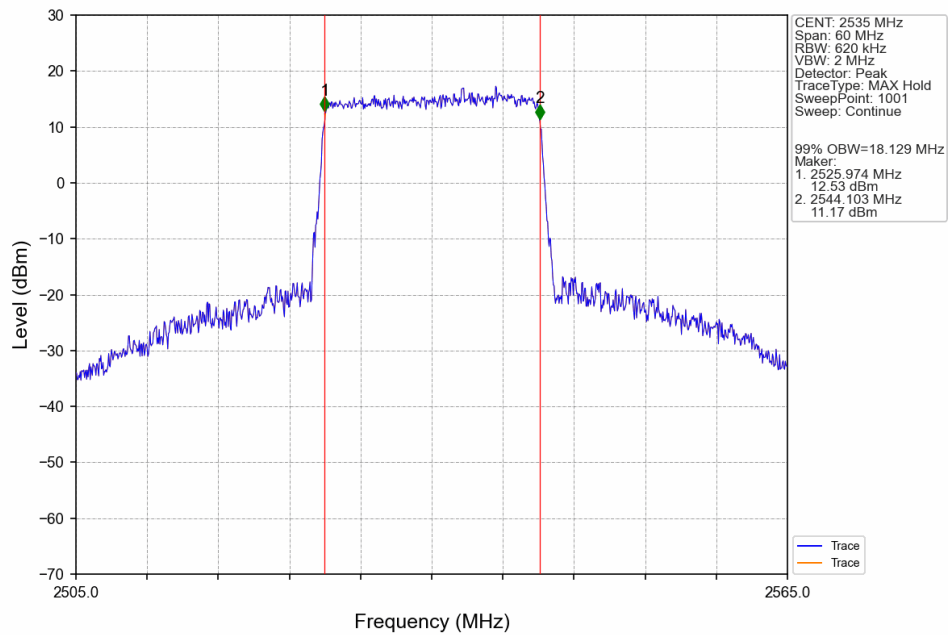
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



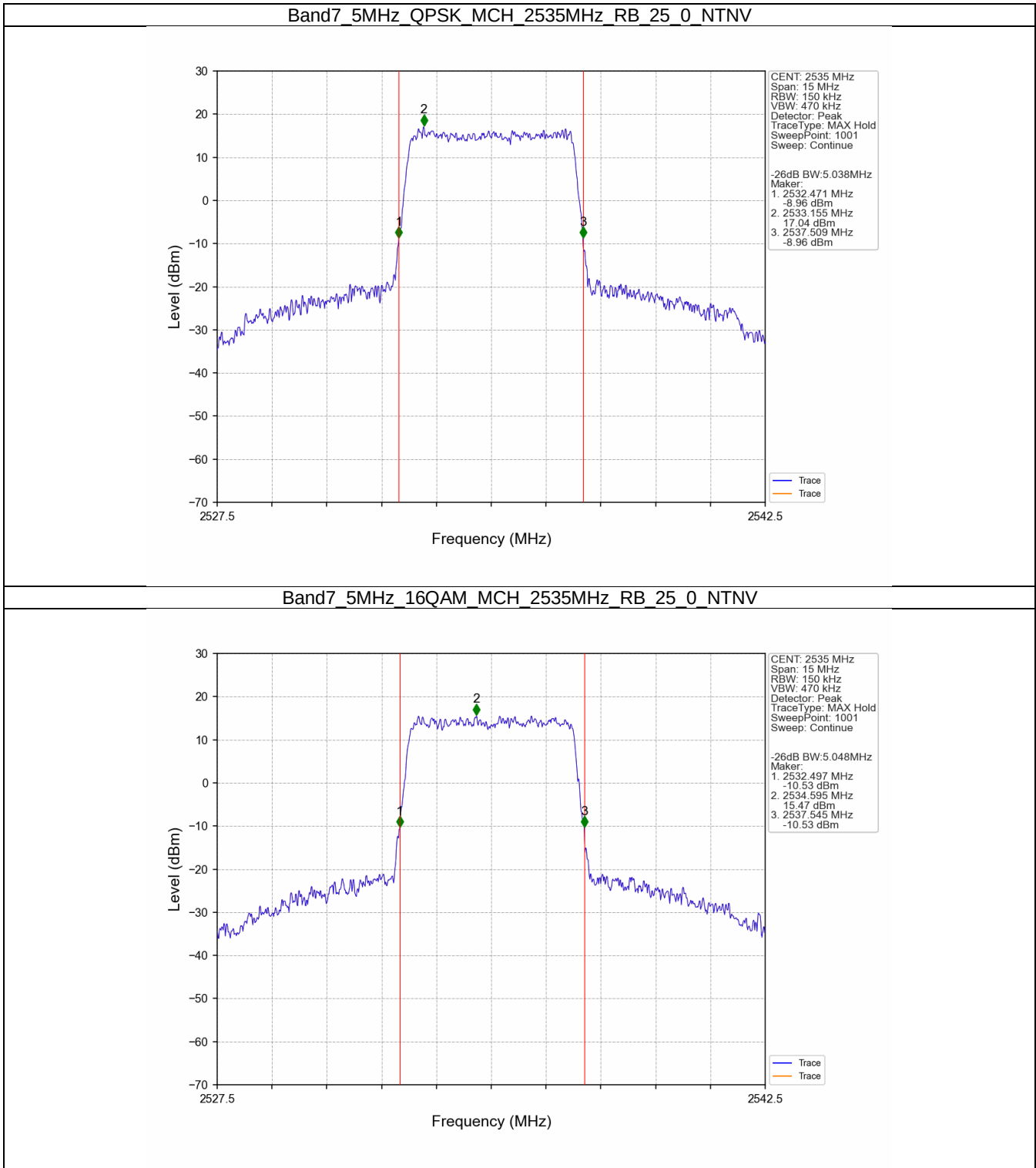
Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



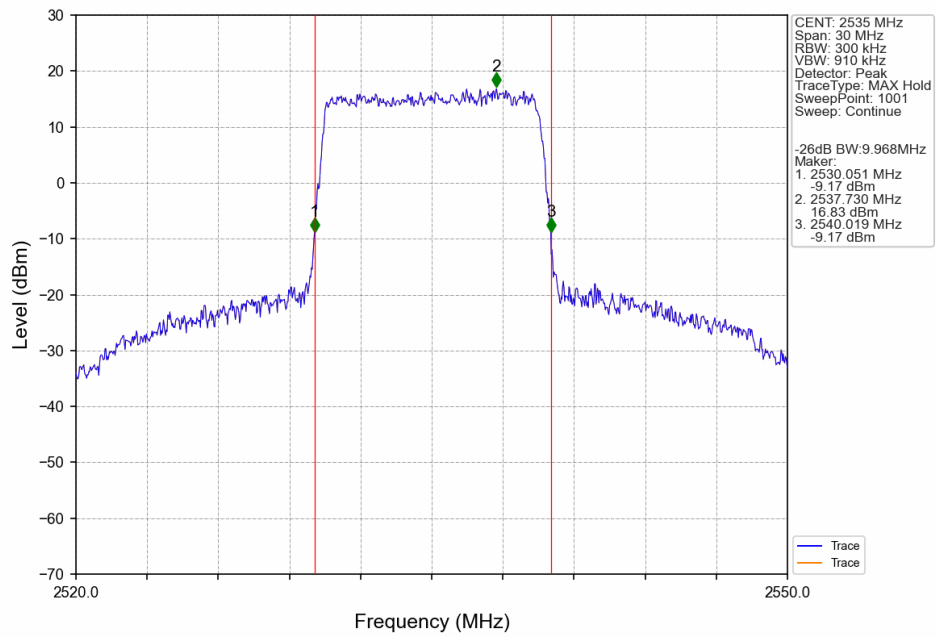
Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



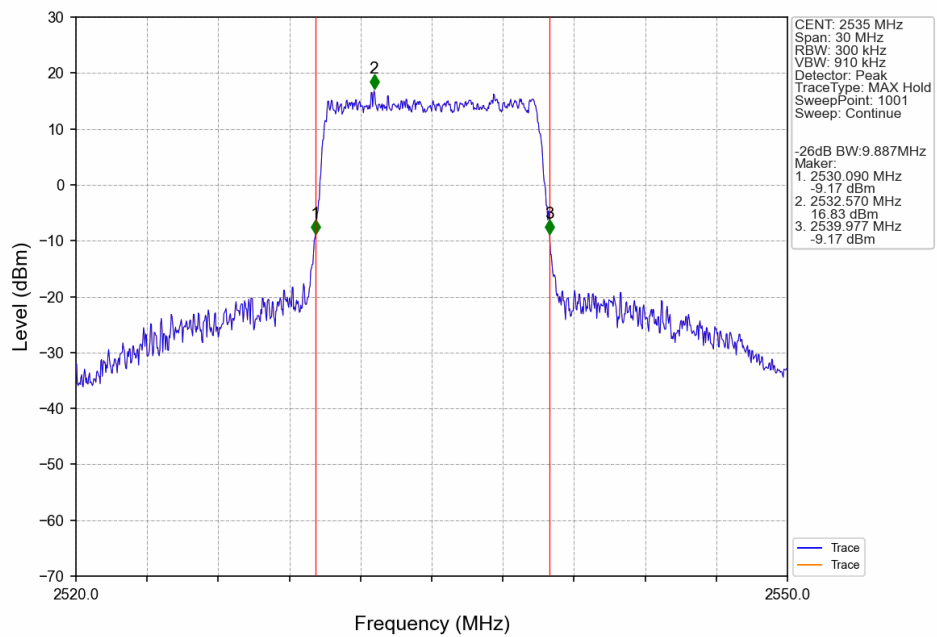
3.2.2 Band7_XDB



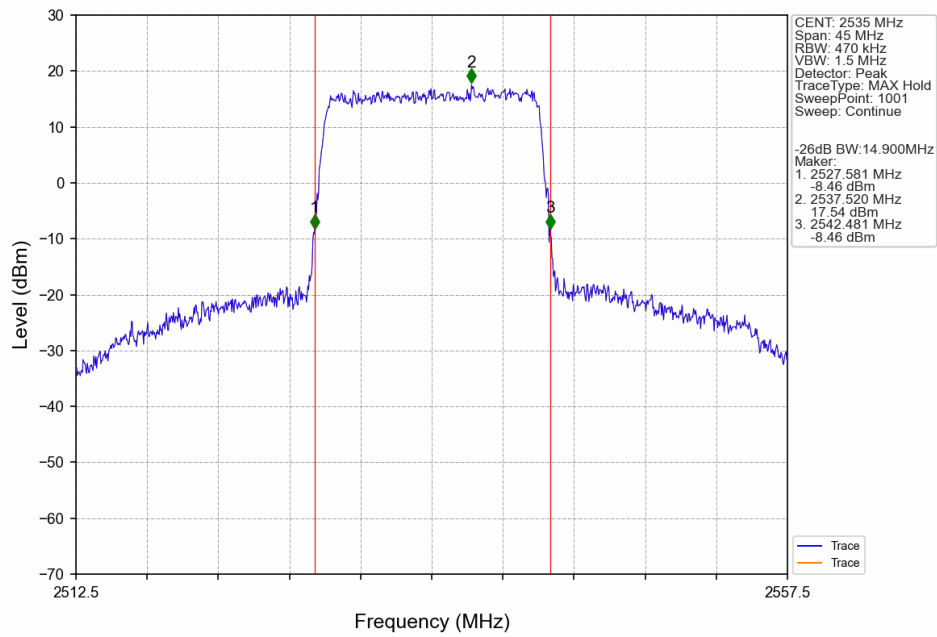
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



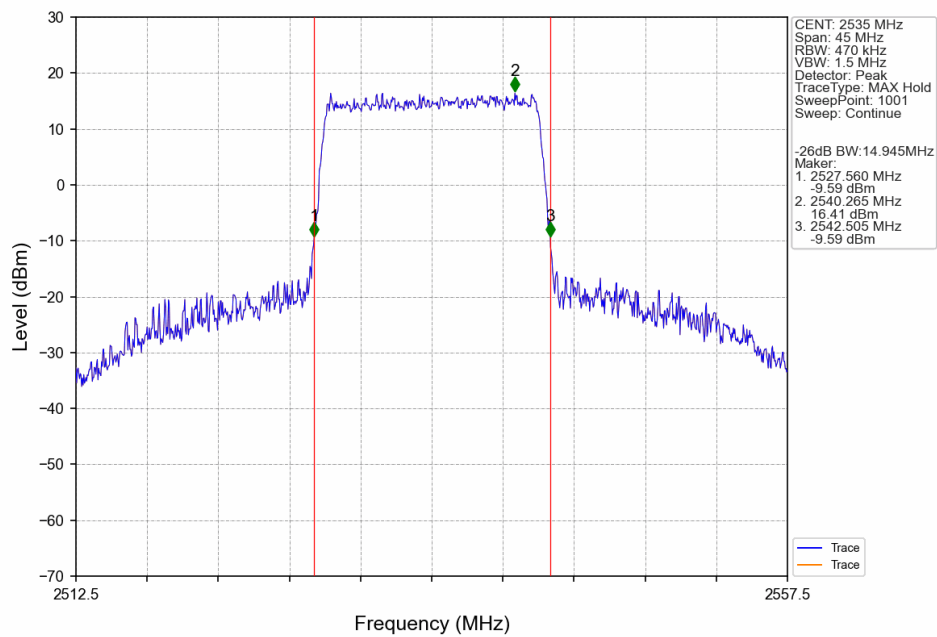
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTN



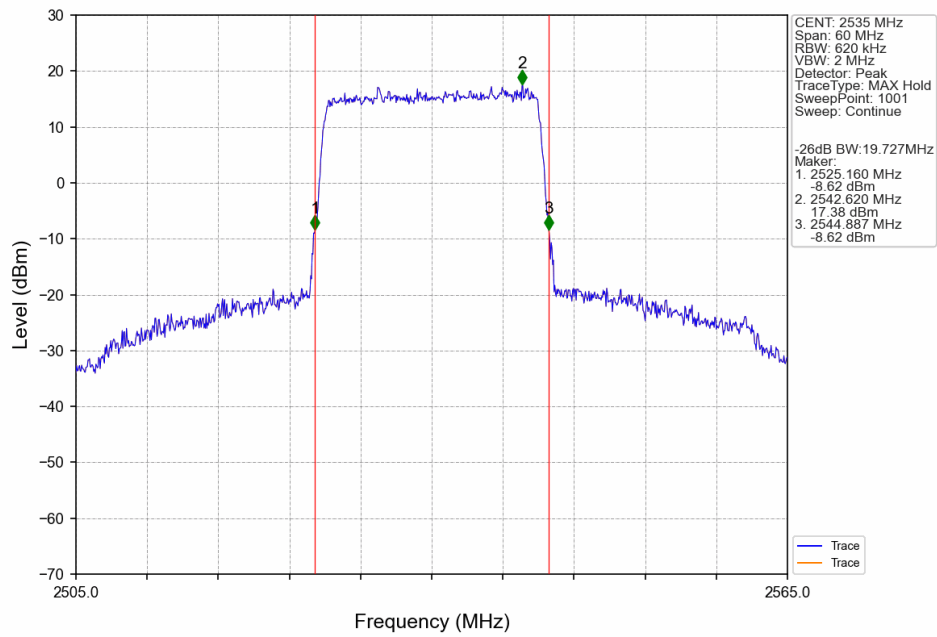
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



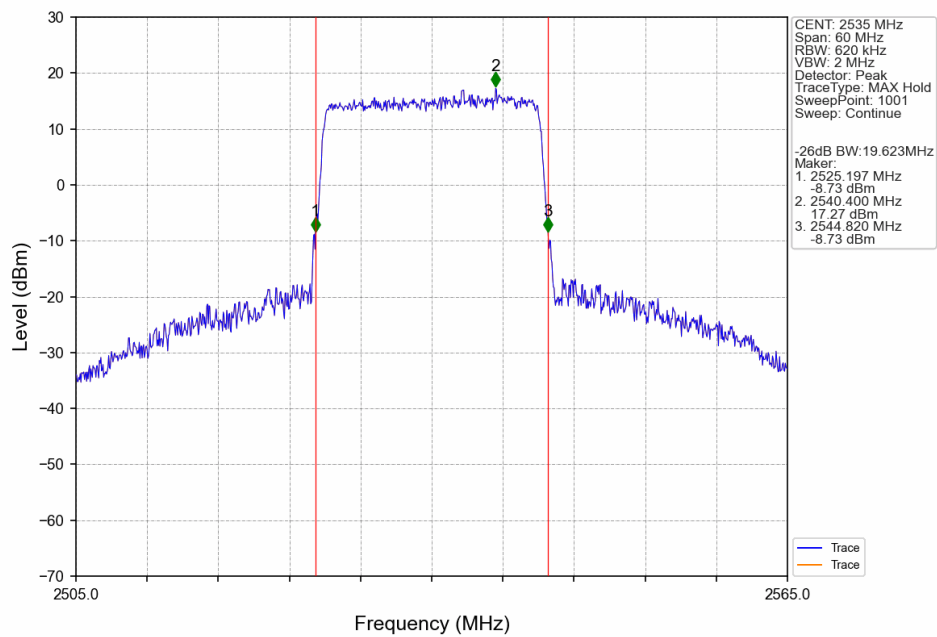
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



4. Peak-Average Ratio

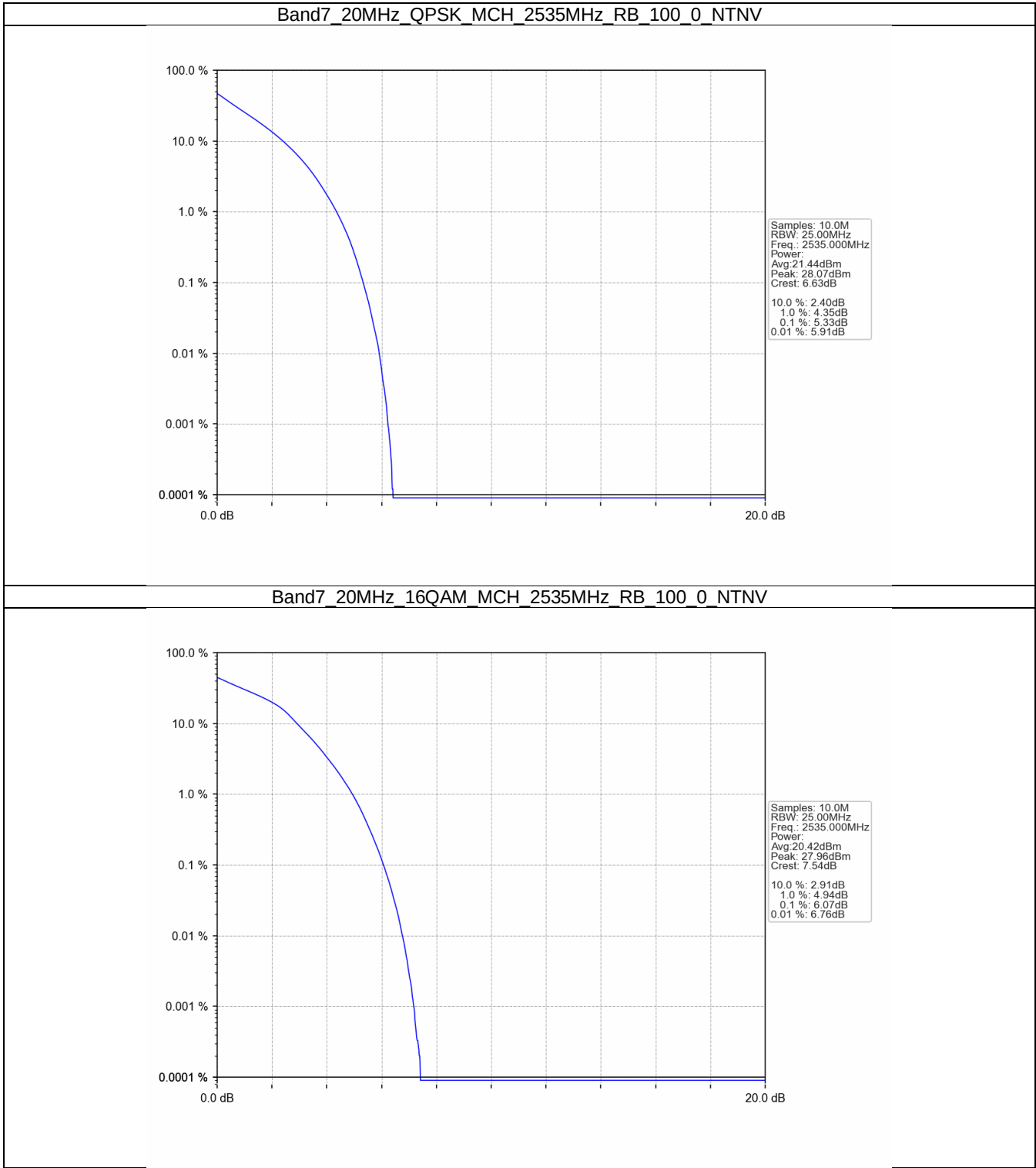
4.1 Test Result

4.1.1 B7_20MHz

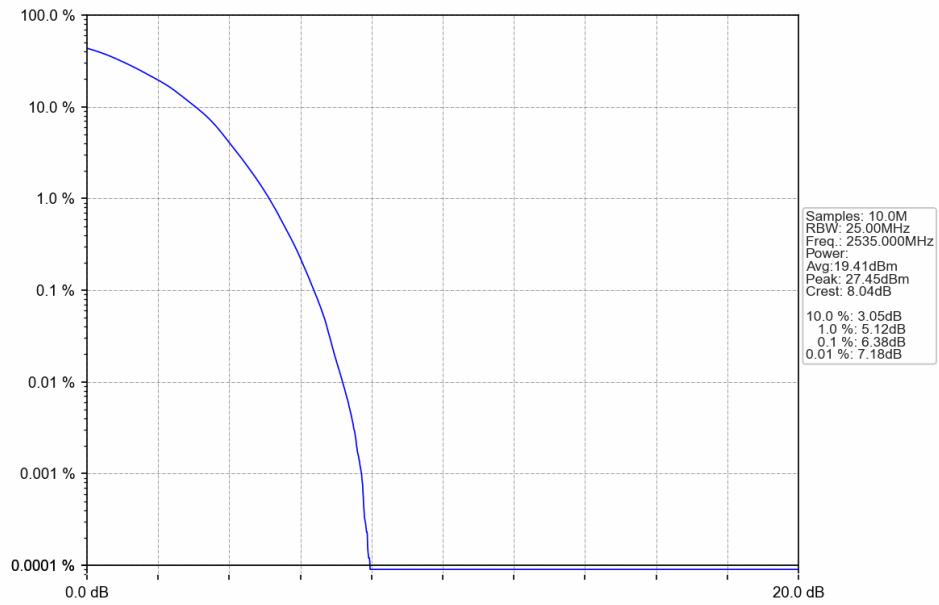
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	5.33	<=13	Pass
16QAM	2535	100	0	6.07	<=13	Pass
64QAM	2535	100	0	6.38	<=13	Pass
256QAM	2535	100	0	6.64	<=13	Pass

4.2 Test Graph

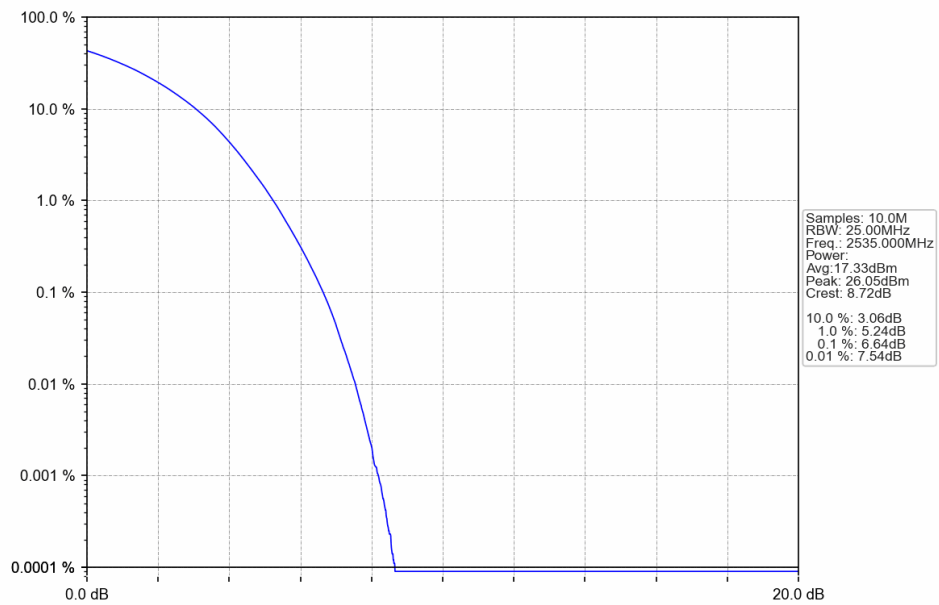
4.2.1 B7_20MHz



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 / NTV						
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

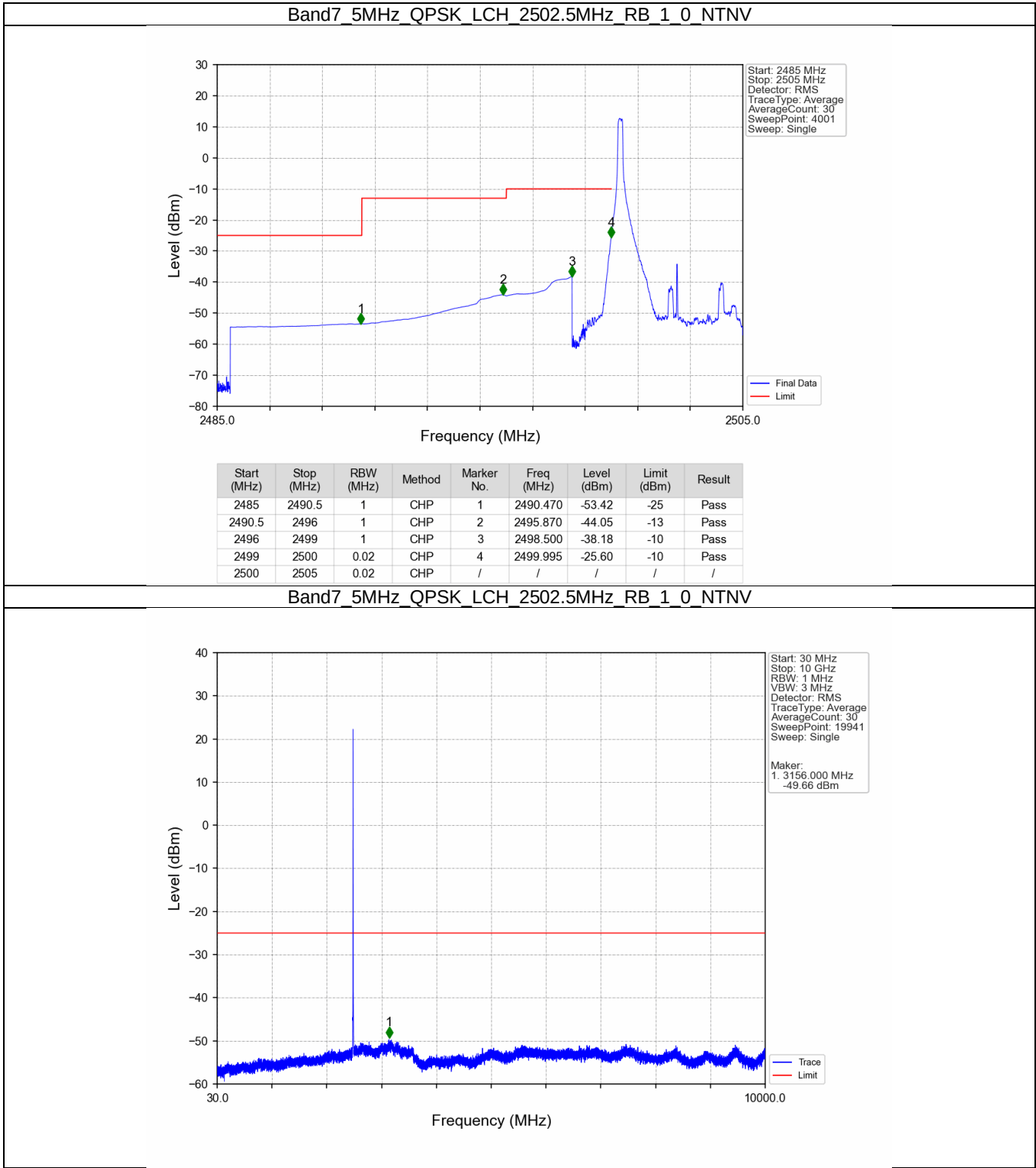
Band: 7 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test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

5.1.4 B7_20MHz

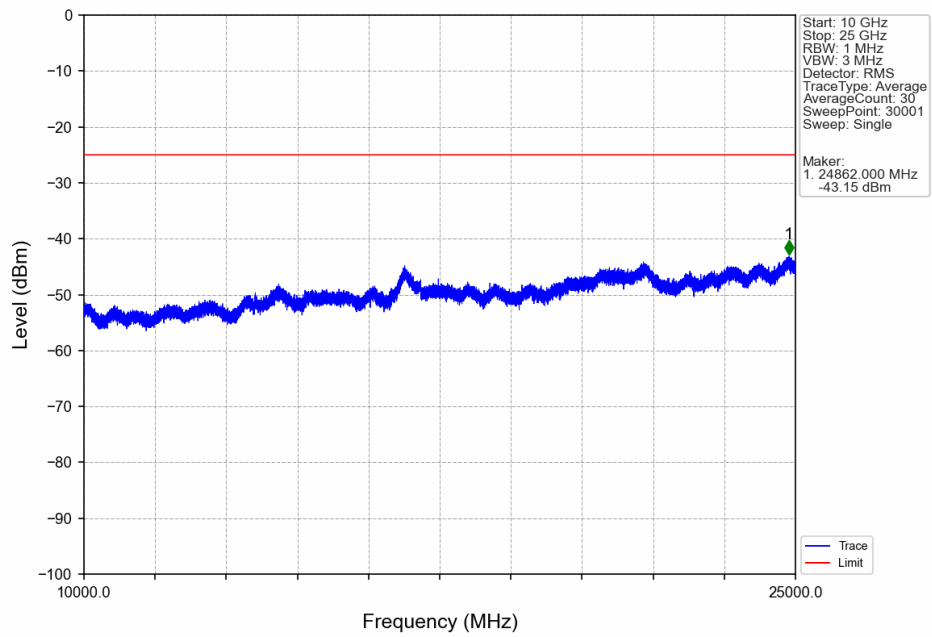
Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

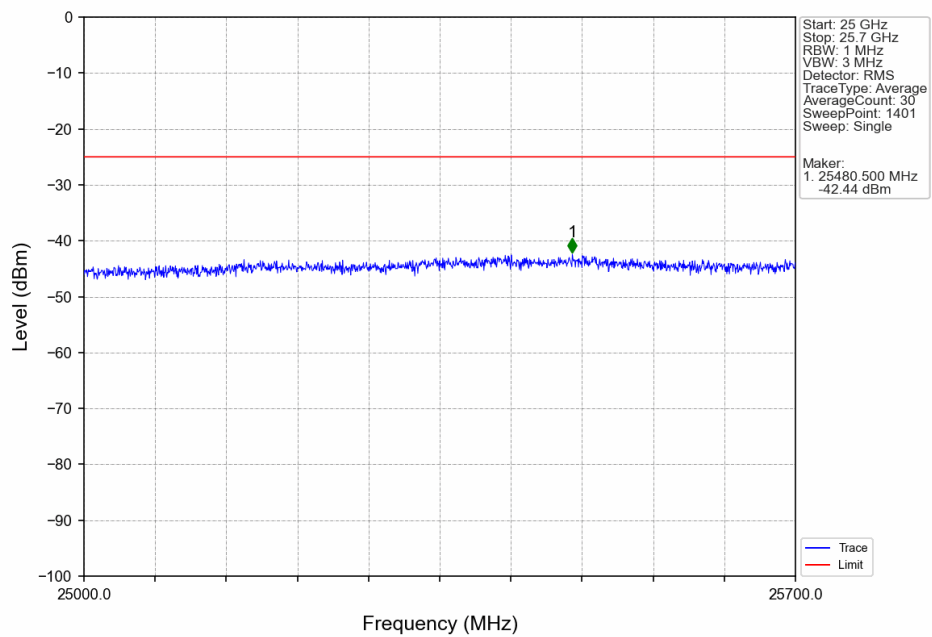
5.2.1 B7_5MHz



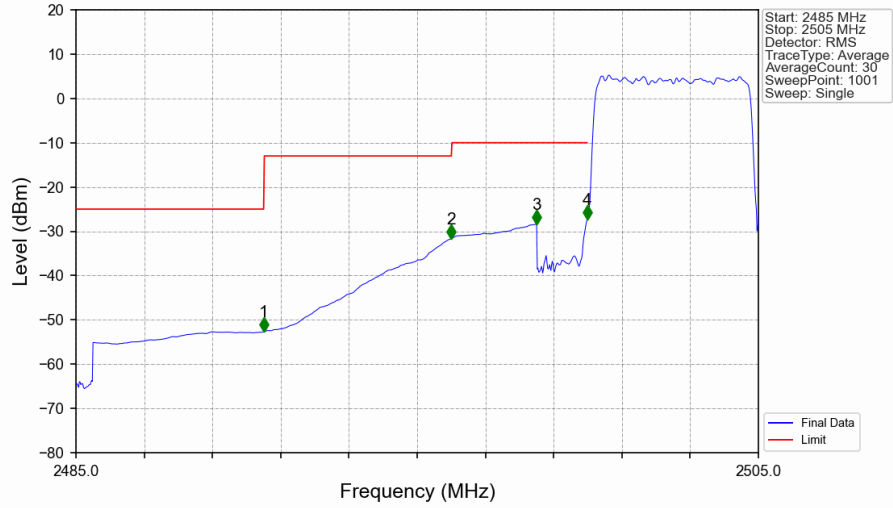
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV



Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTNV

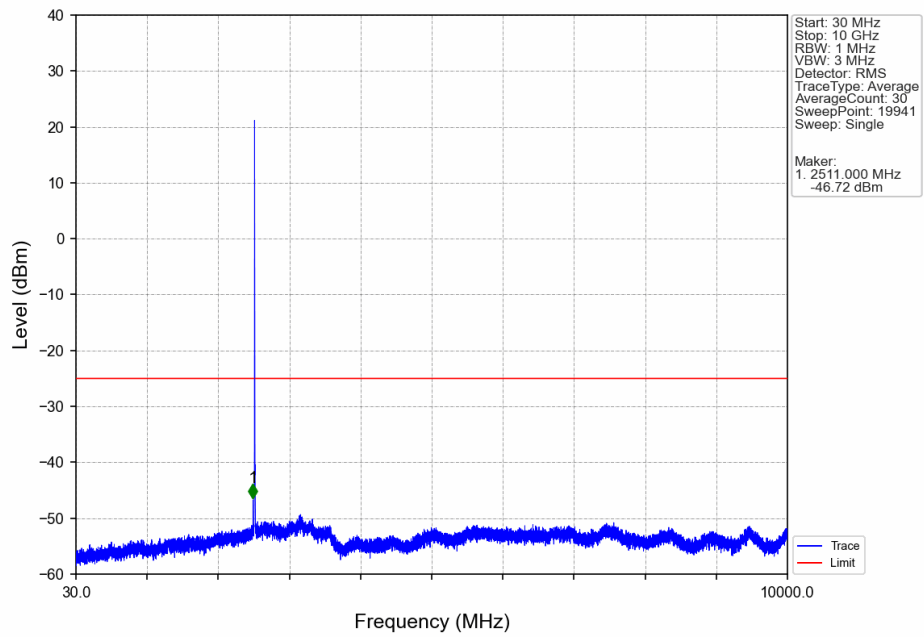


Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTV

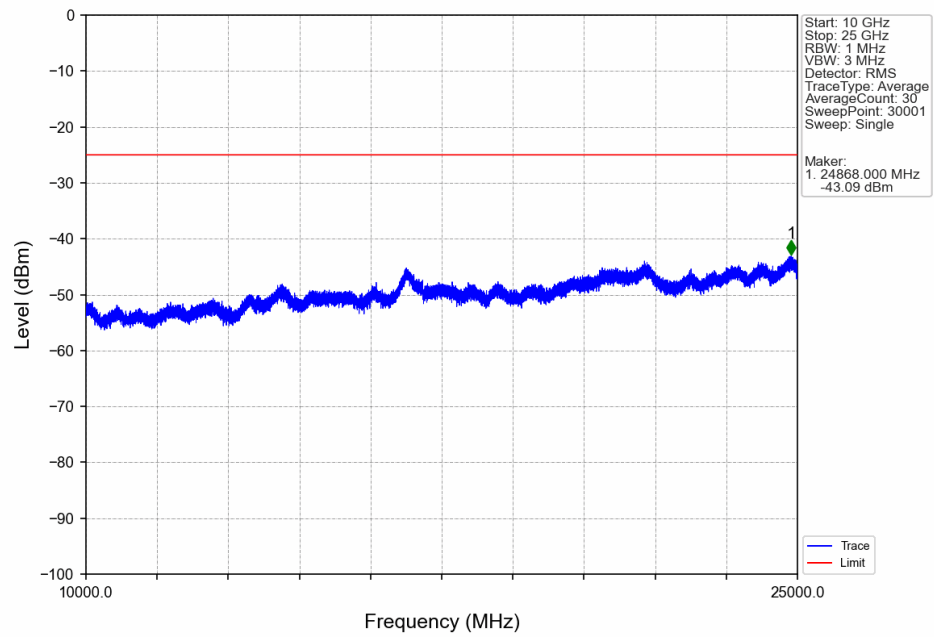


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-52.69	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-31.65	-13	Pass
2496	2499	1	CHP	3	2498.500	-28.38	-10	Pass
2499	2500	0.101	CHP	4	2499.980	-27.26	-10	Pass
2500	2505	0.101	CHP	/	/	/	/	/

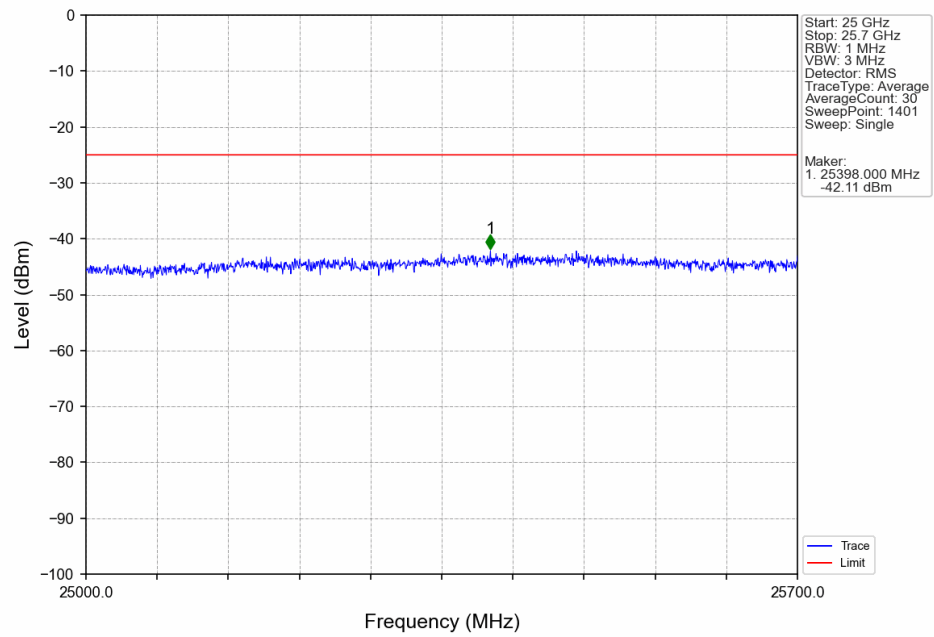
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



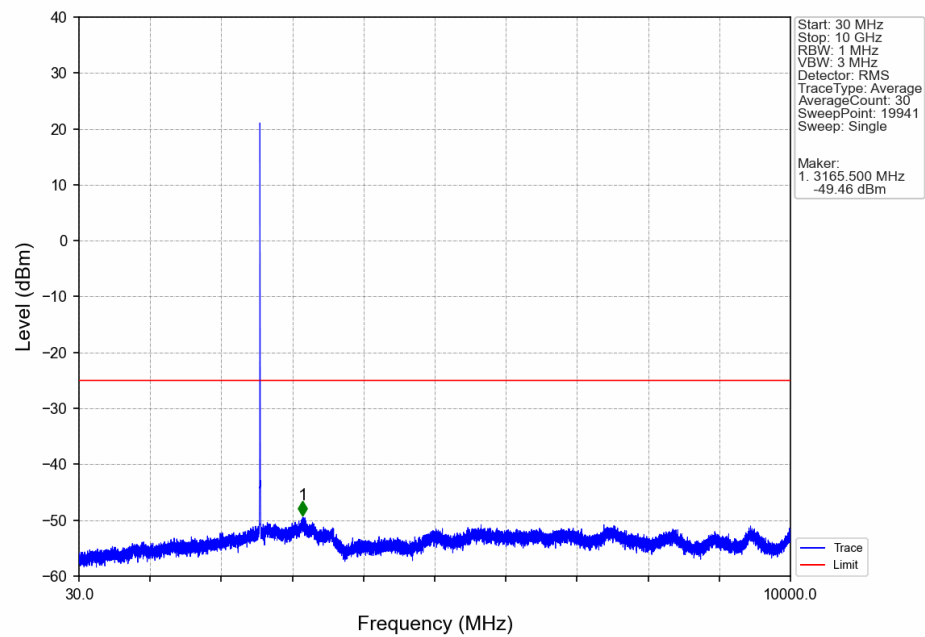
Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTNV



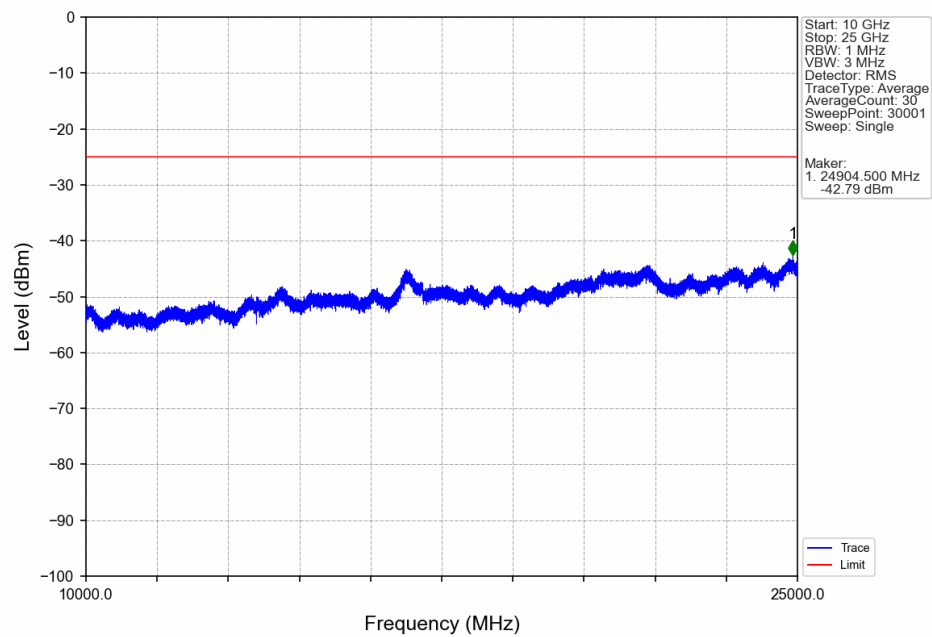
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



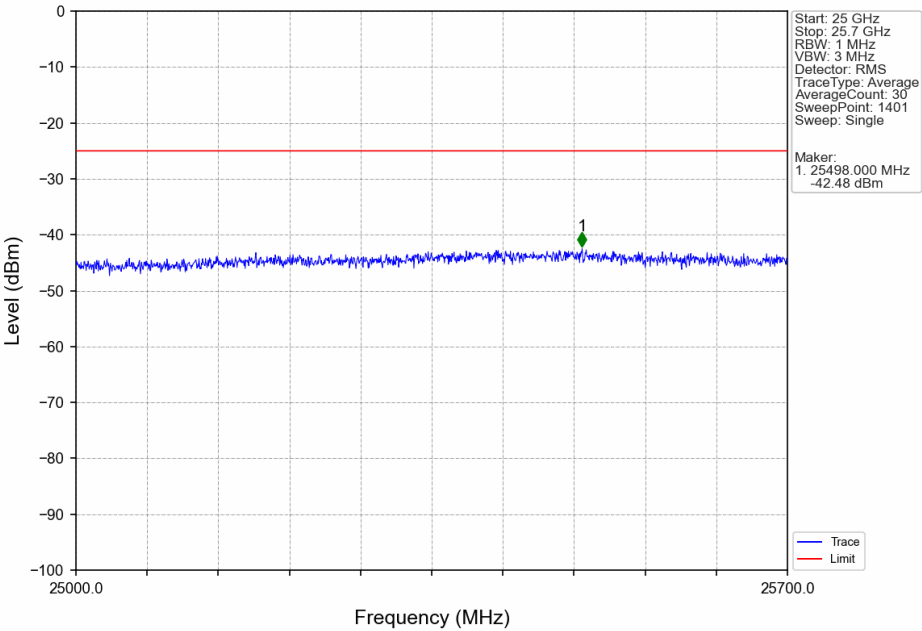
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



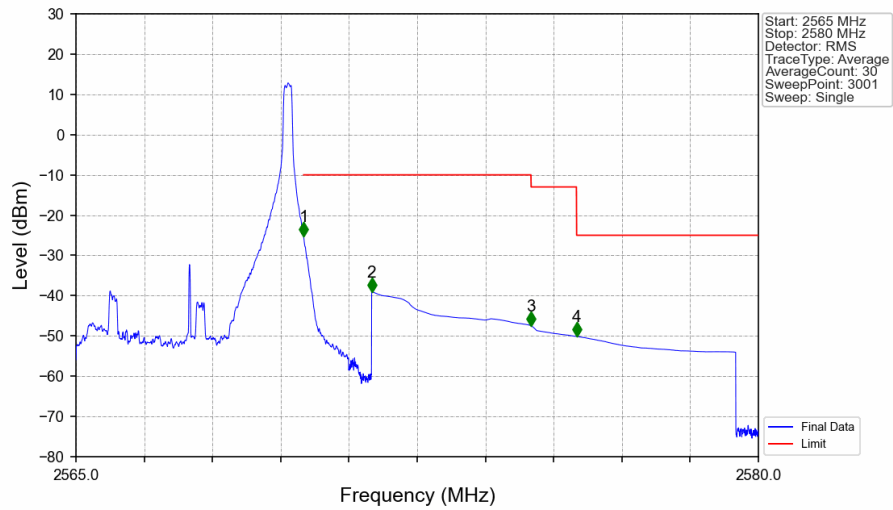
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN

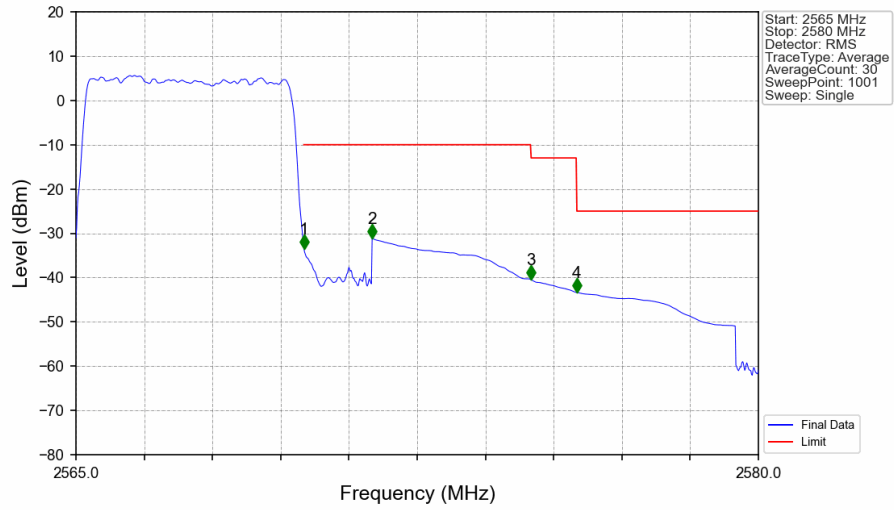


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTN



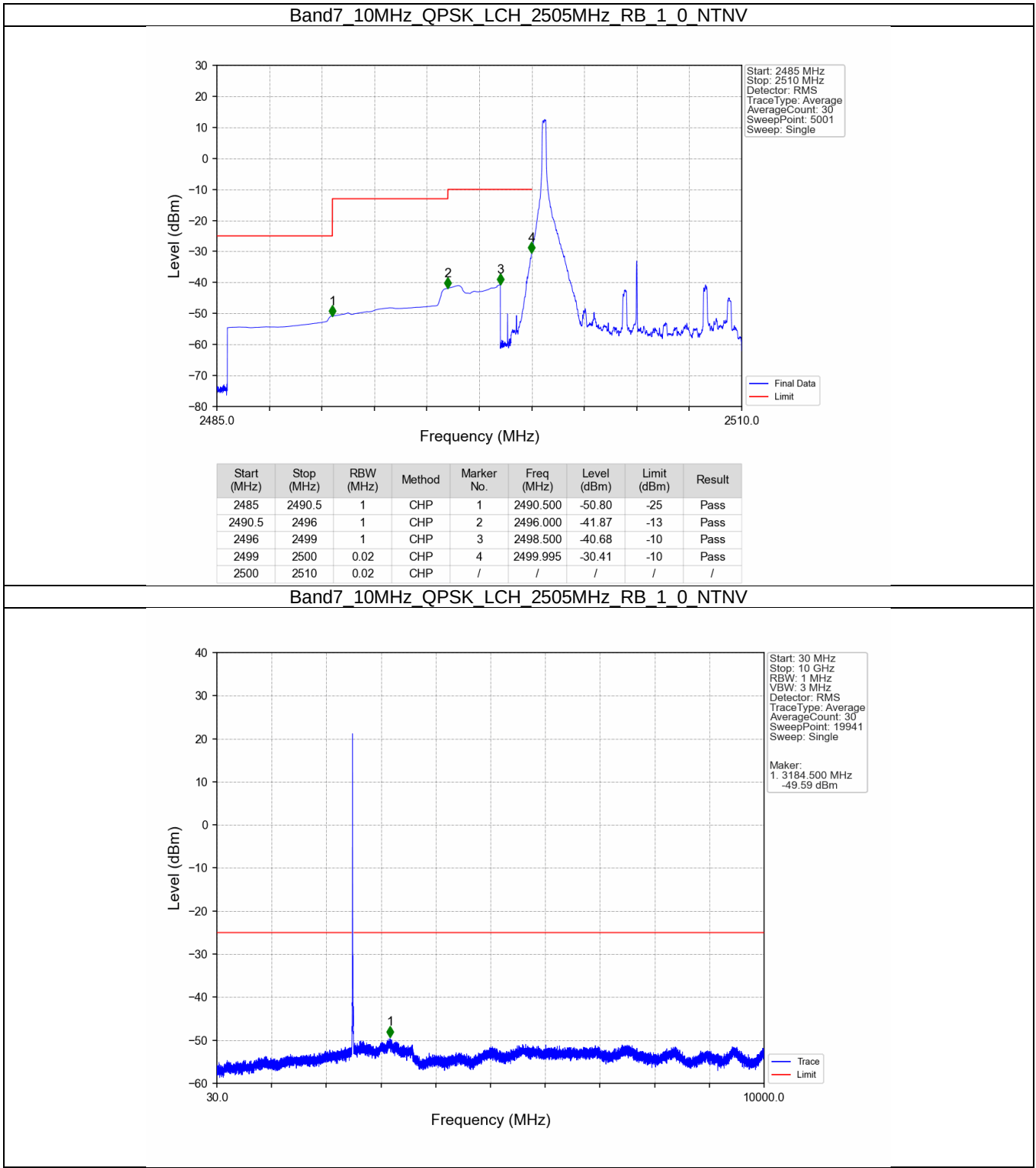
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-25.29	-10	Pass
2571	2575	1	CHP	2	2571.500	-39.05	-10	Pass
2575	2576	1	CHP	3	2575.005	-47.49	-13	Pass
2576	2580	1	CHP	4	2576.005	-50.15	-25	Pass

Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTN

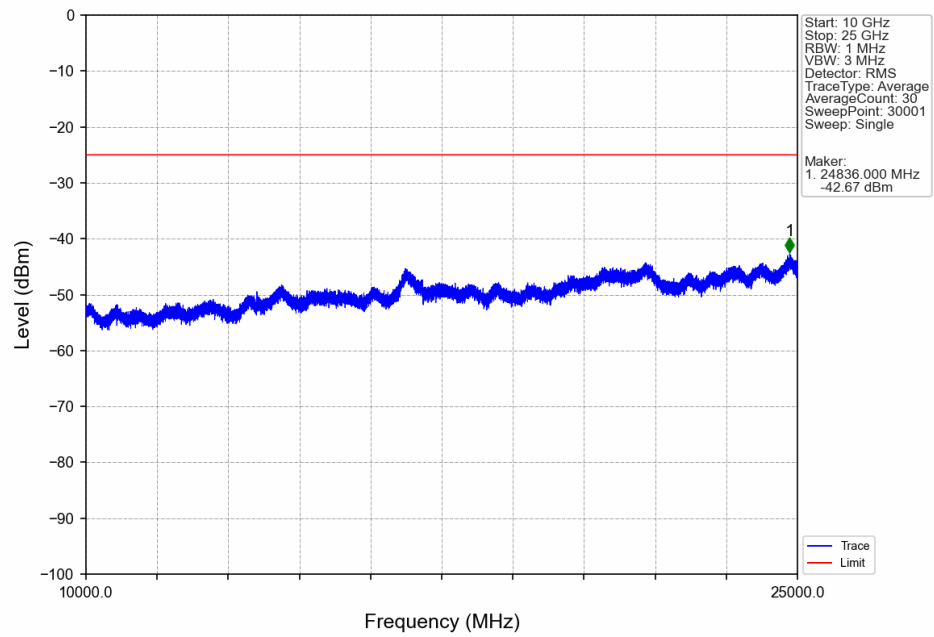


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.101	CHP	/	/	/	/	/
2570	2571	0.101	CHP	1	2570.010	-33.50	-10	Pass
2571	2575	1	CHP	2	2571.510	-31.17	-10	Pass
2575	2576	1	CHP	3	2575.005	-40.49	-13	Pass
2576	2580	1	CHP	4	2576.010	-43.40	-25	Pass

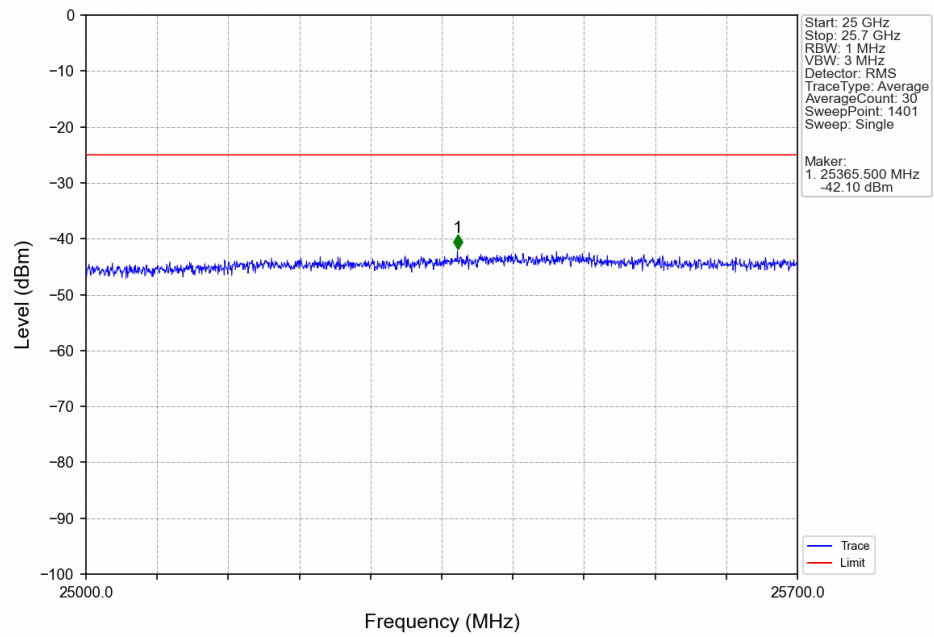
5.2.2 B7_10MHz



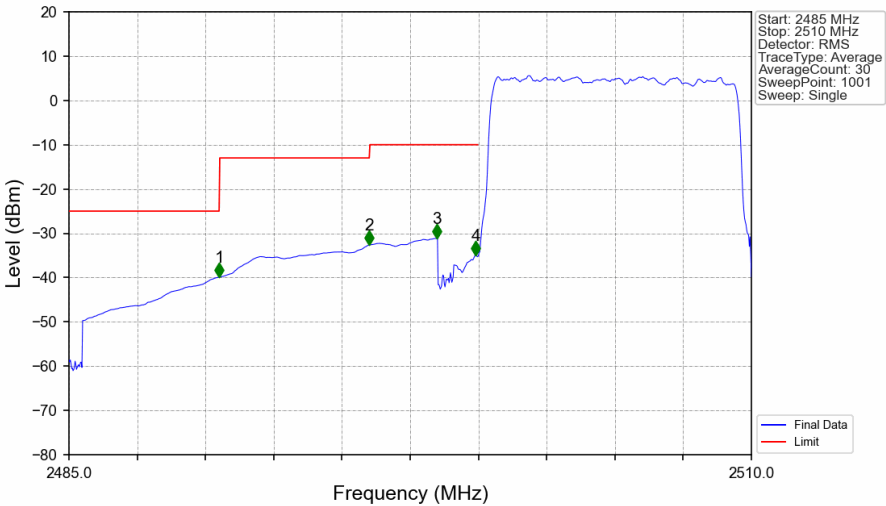
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



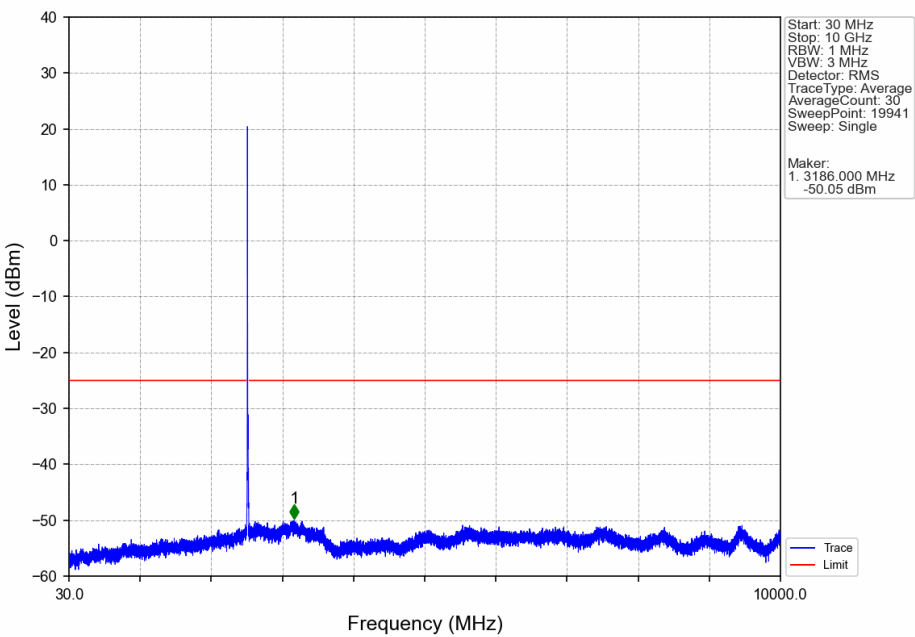
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



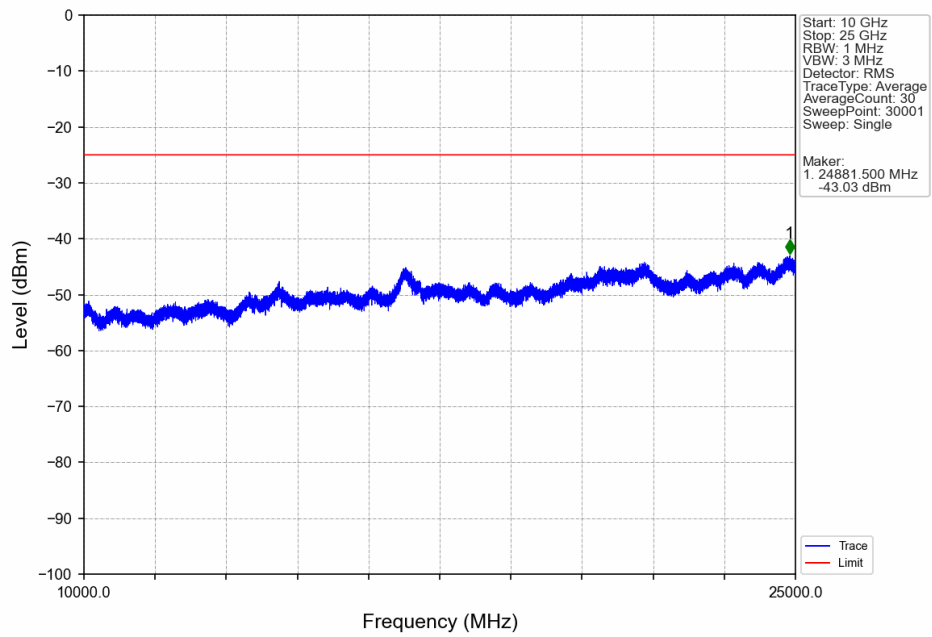
Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN



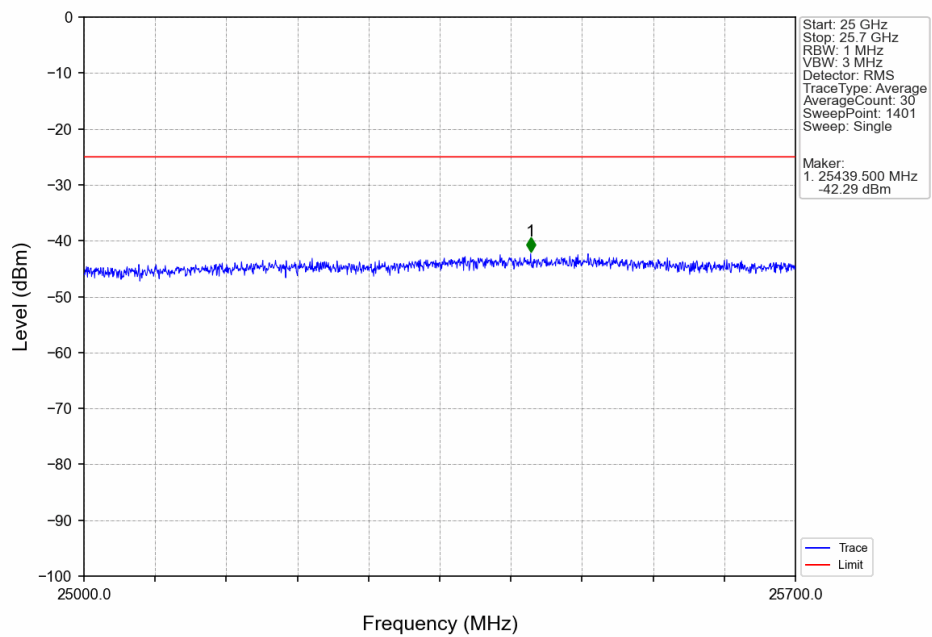
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTN



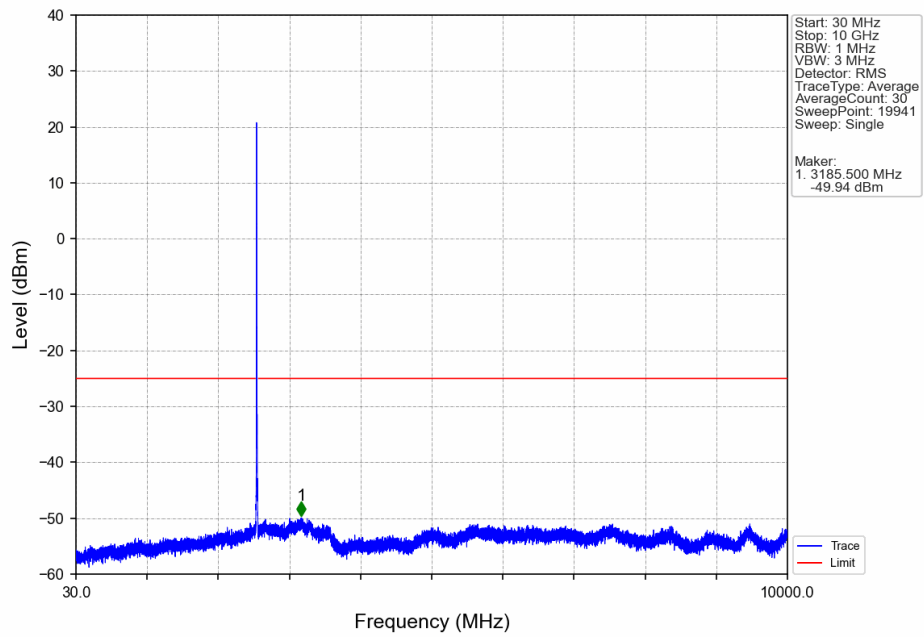
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTN



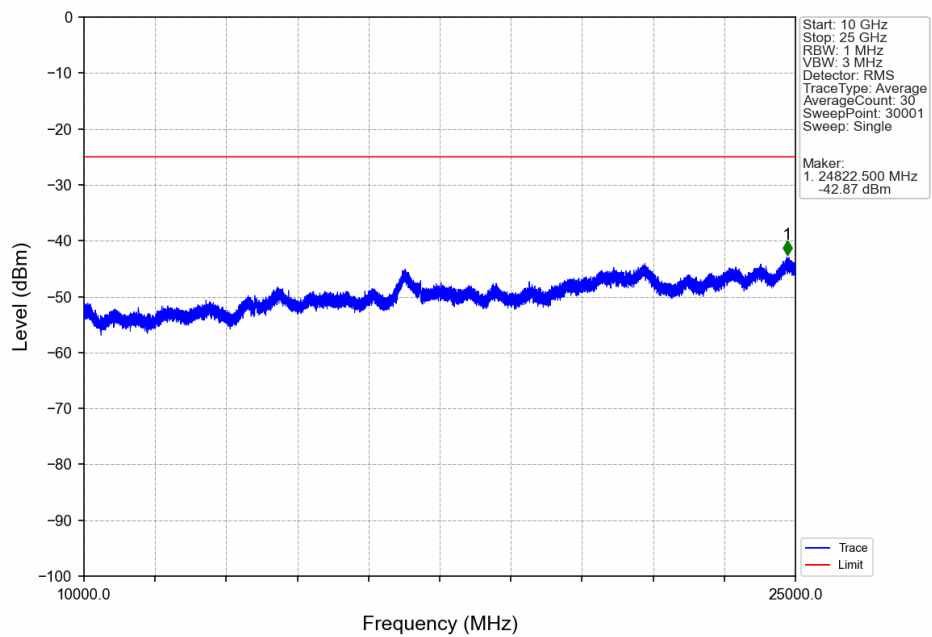
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTN



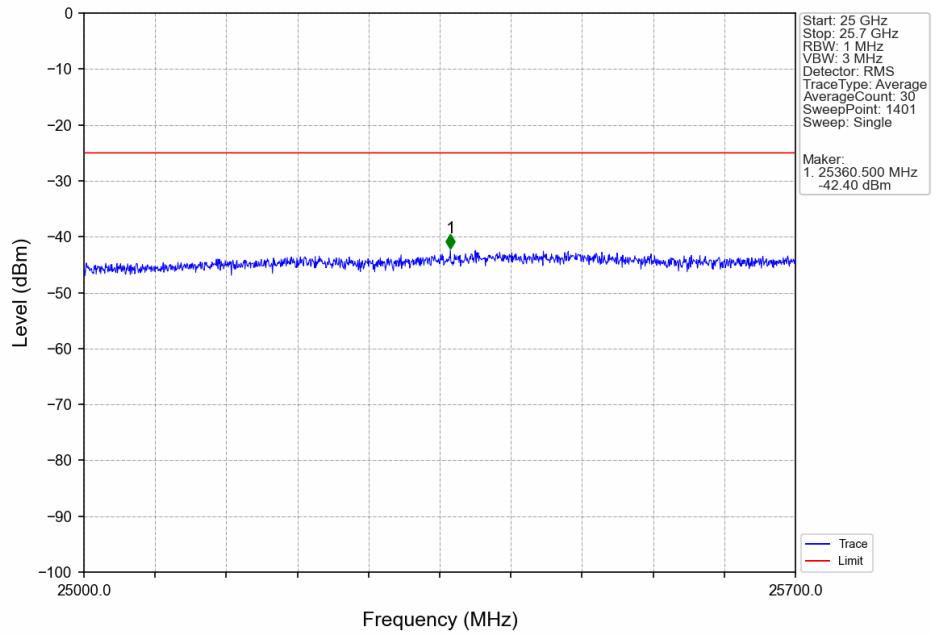
Band7 10MHz QPSK HCH 2565MHz RB 1 0 NTN



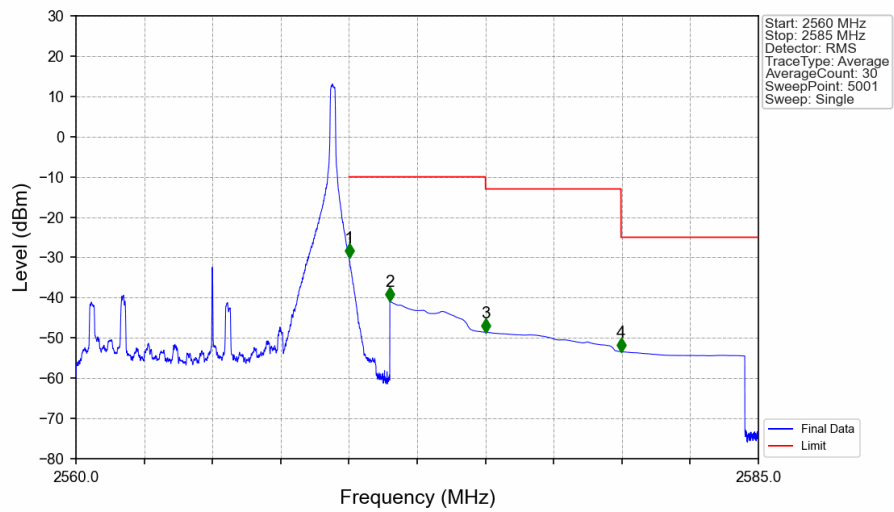
Band7 10MHz QPSK HCH 2565MHz RB 1 0 NTN



Band7 10MHz QPSK HCH 2565MHz RB 1 0 NTN

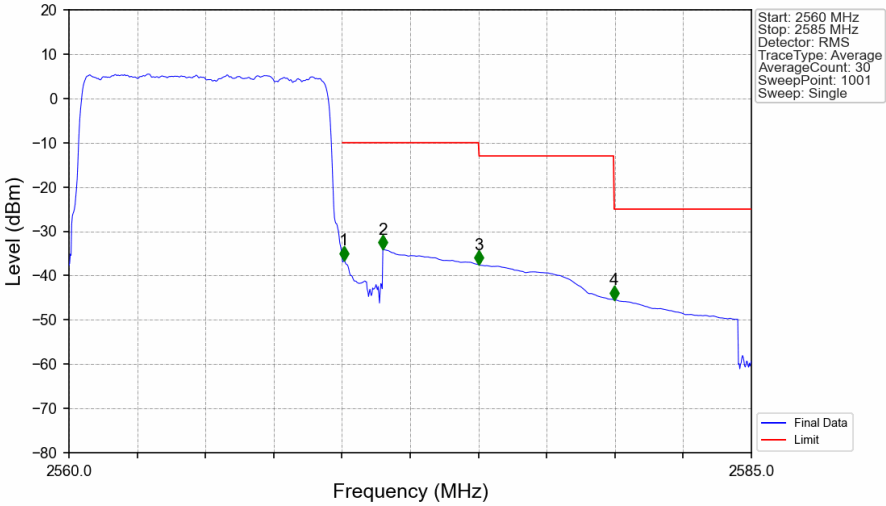


Band7 10MHz QPSK HCH 2565MHz RB 1 49 NTN



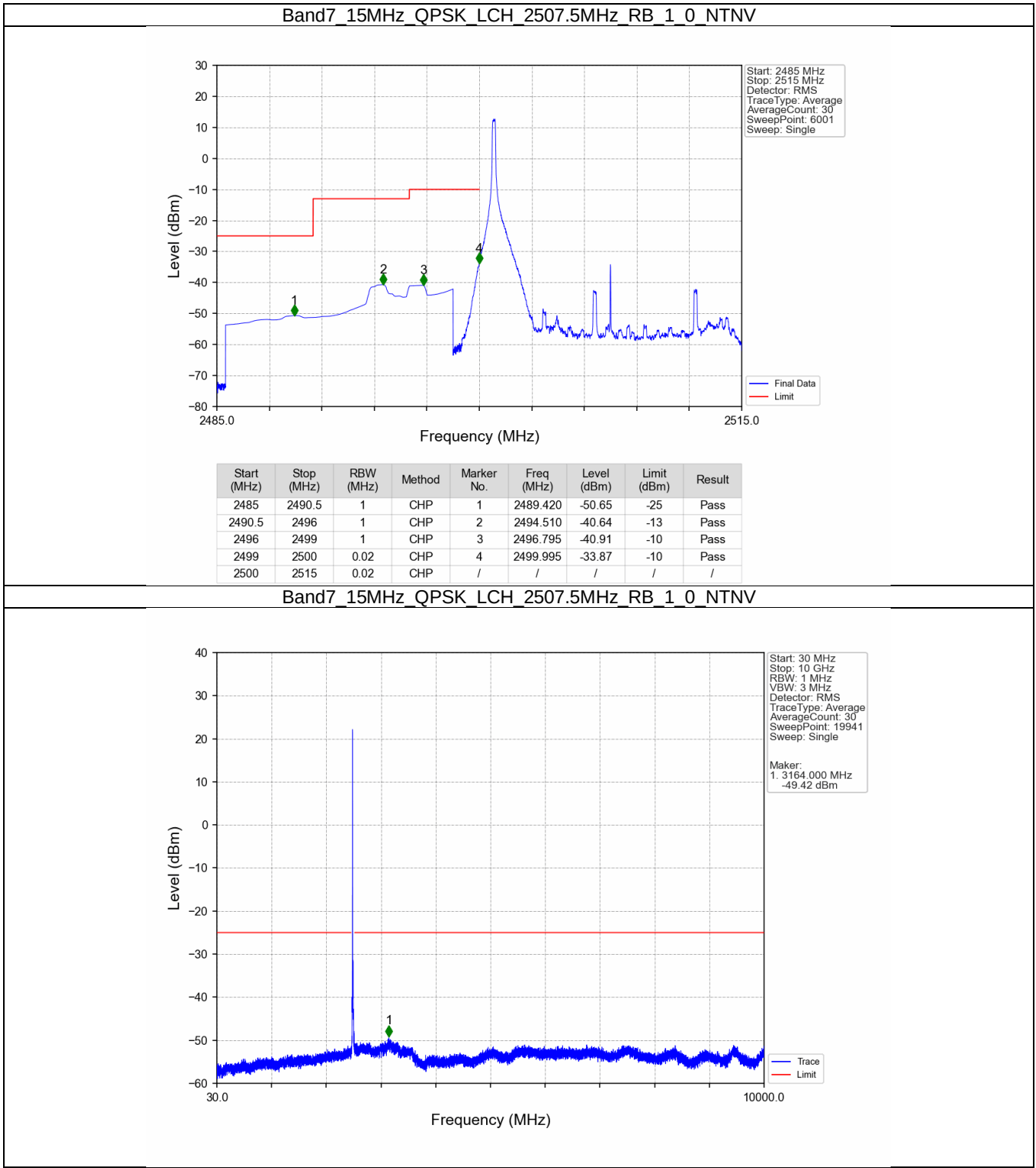
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-29.97	-10	Pass
2571	2575	1	CHP	2	2571.500	-40.95	-10	Pass
2575	2579.968	1	CHP	3	2575.005	-48.59	-13	Pass
2579.968	2585	1	CHP	4	2579.970	-53.43	-25	Pass

Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTV

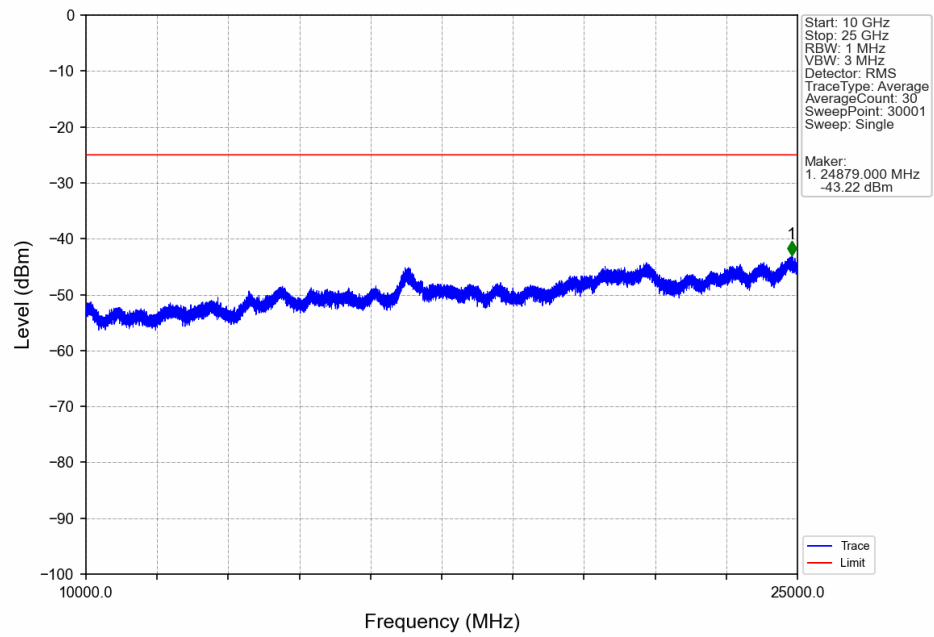


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.199	CHP	/	/	/	/	/
2570	2571	0.199	CHP	1	2570.075	-36.50	-10	Pass
2571	2575	1	CHP	2	2571.500	-34.12	-10	Pass
2575	2579.968	1	CHP	3	2575.025	-37.59	-13	Pass
2579.968	2585	1	CHP	4	2579.975	-45.43	-25	Pass

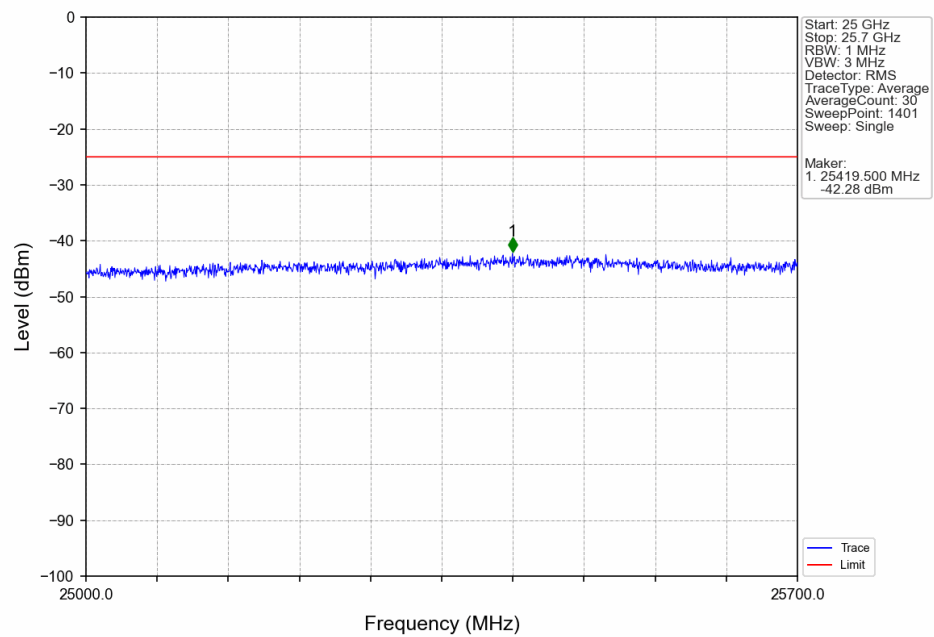
5.2.3 B7_15MHz



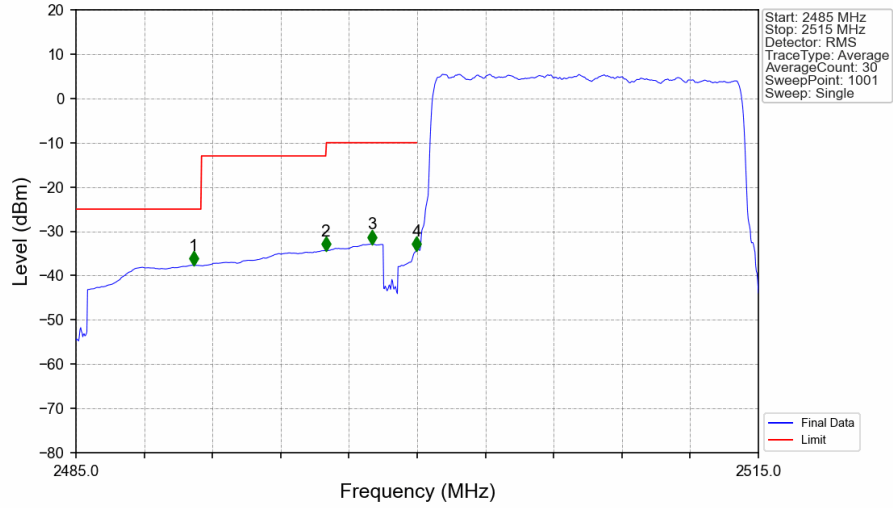
Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTNV



Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTNV

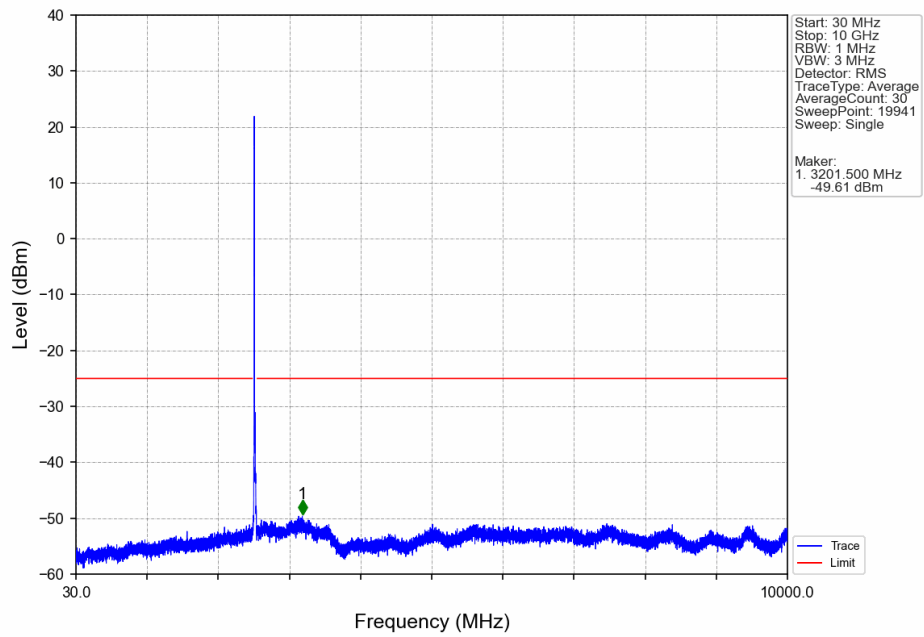


Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV

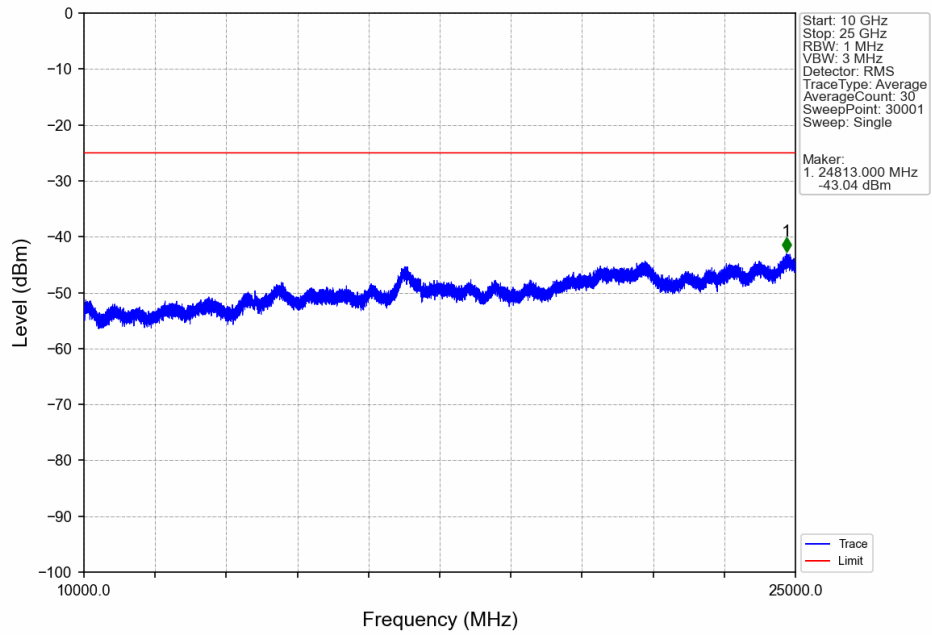


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.160	-37.66	-25	Pass
2490.5	2496	1	CHP	2	2495.980	-34.37	-13	Pass
2496	2499	1	CHP	3	2498.020	-32.86	-10	Pass
2499	2500	0.298	CHP	4	2499.970	-34.41	-10	Pass
2500	2515	0.298	CHP	/	/	/	/	/

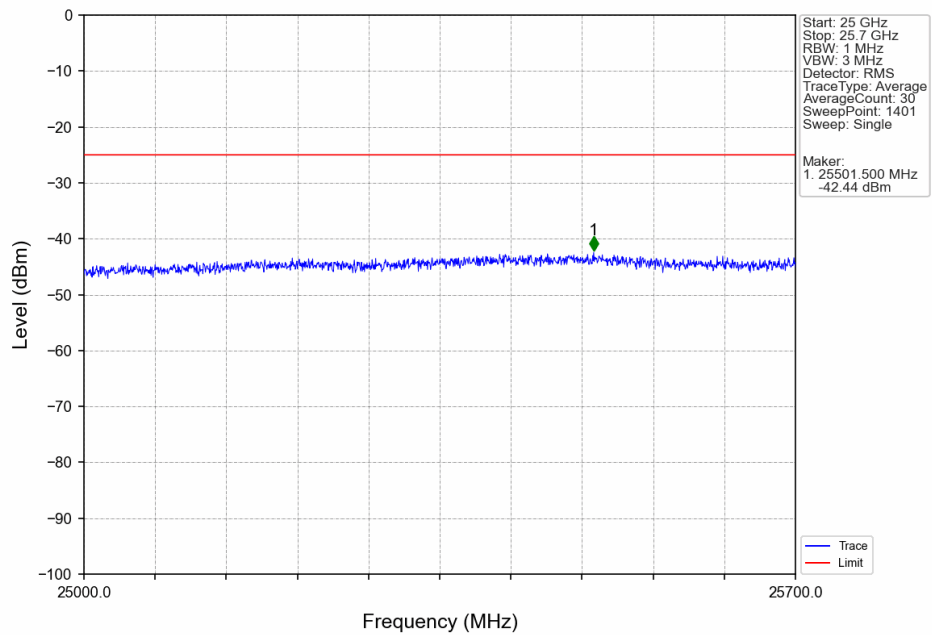
Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTNV



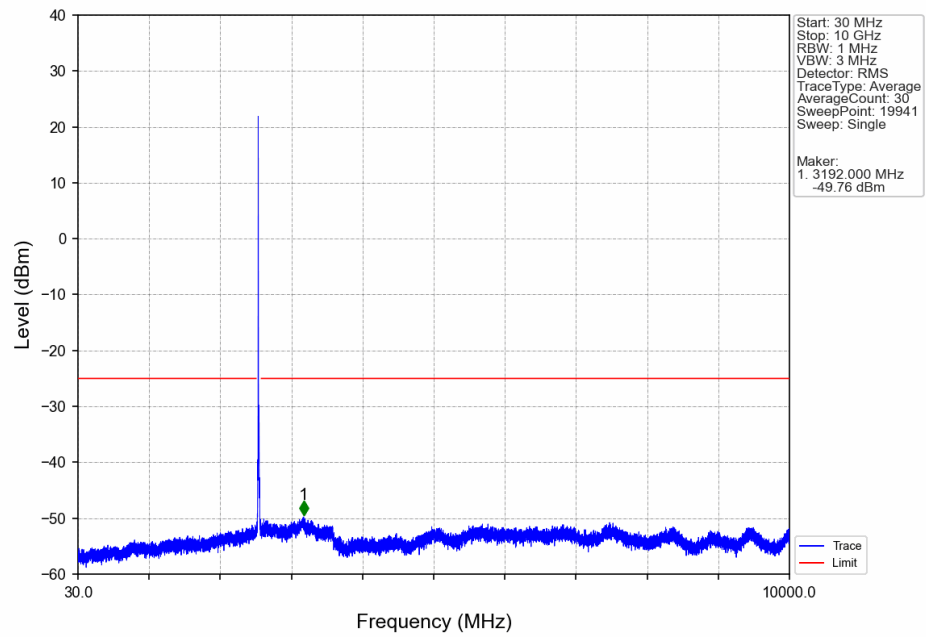
Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTN



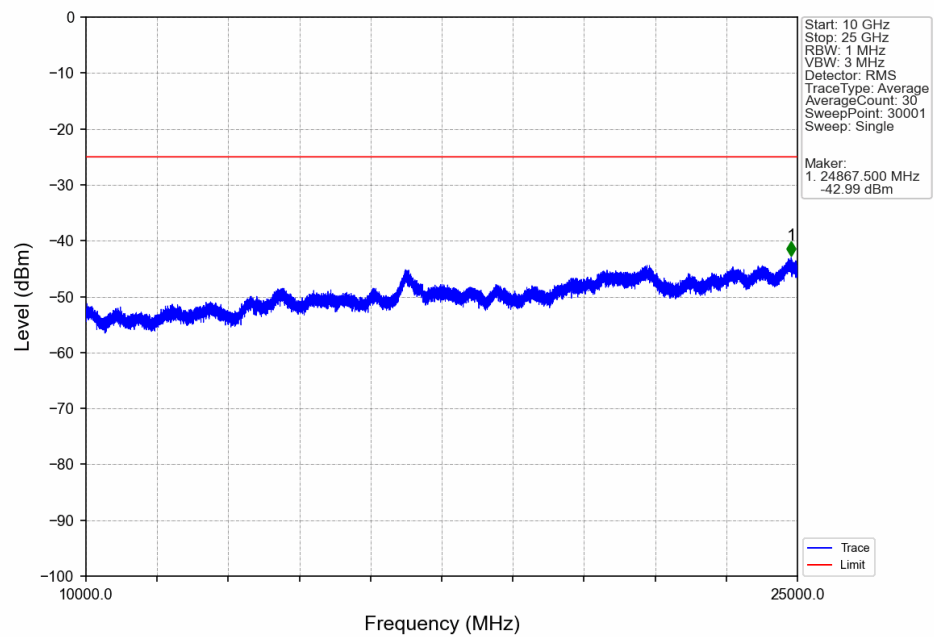
Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTN



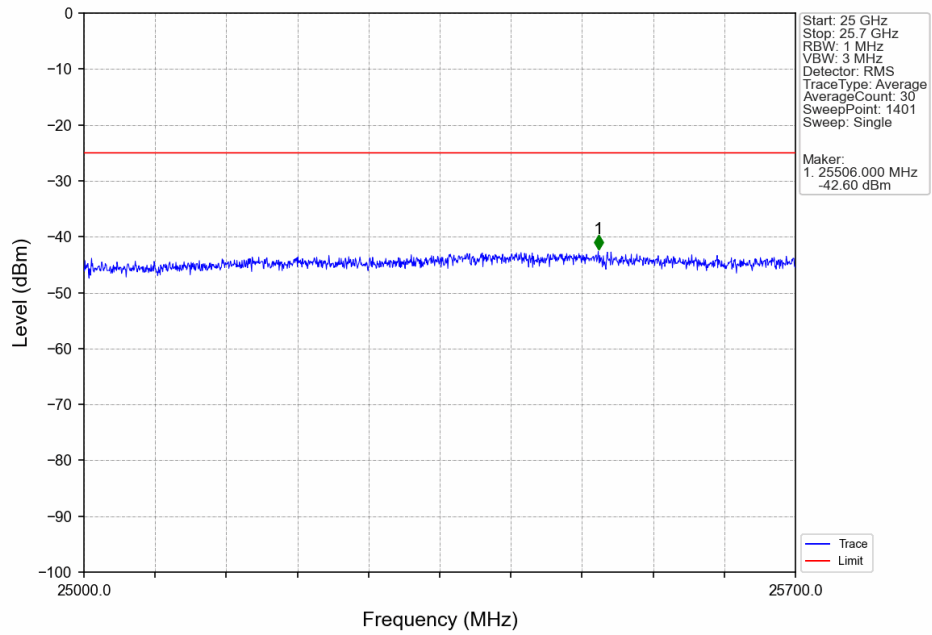
Band7 15MHz QPSK HCH 2562.5MHz RB 1 0 NTNV



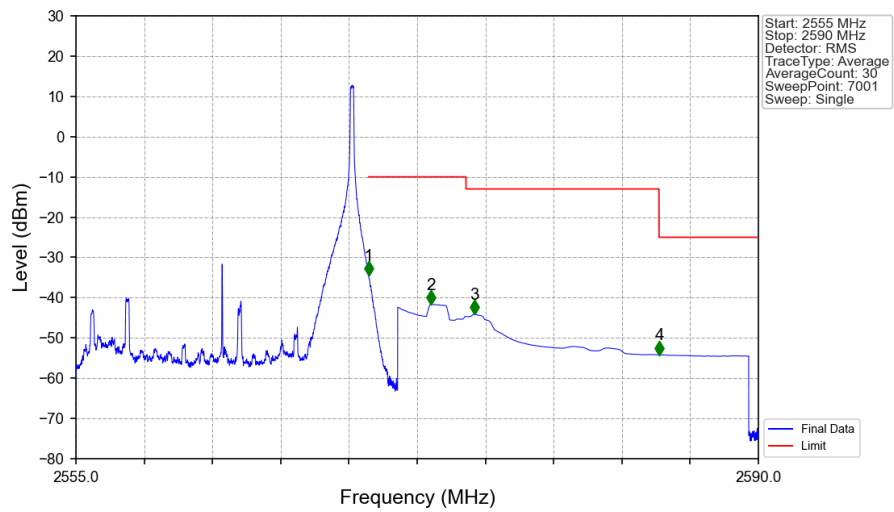
Band7 15MHz QPSK HCH 2562.5MHz RB 1 0 NTNV



Band7 15MHz QPSK HCH 2562.5MHz RB 1 0 NTNV

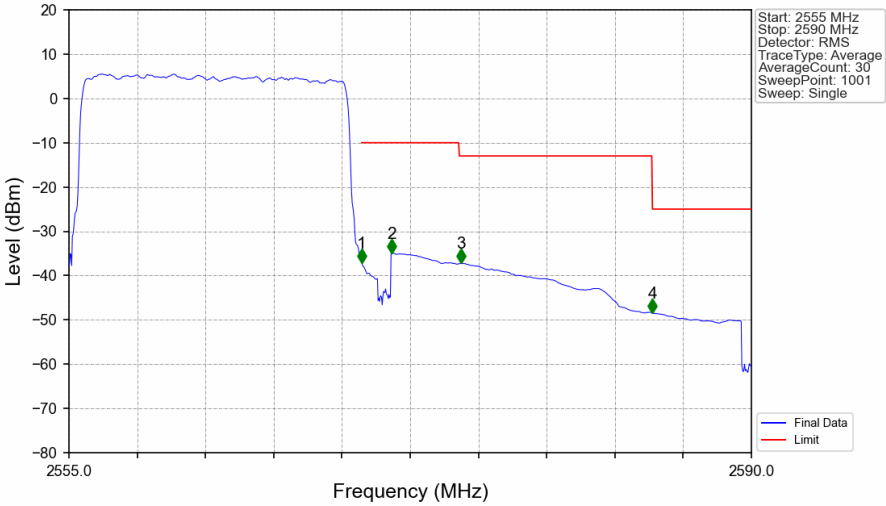


Band7 15MHz QPSK HCH 2562.5MHz RB 1 74 NTNV



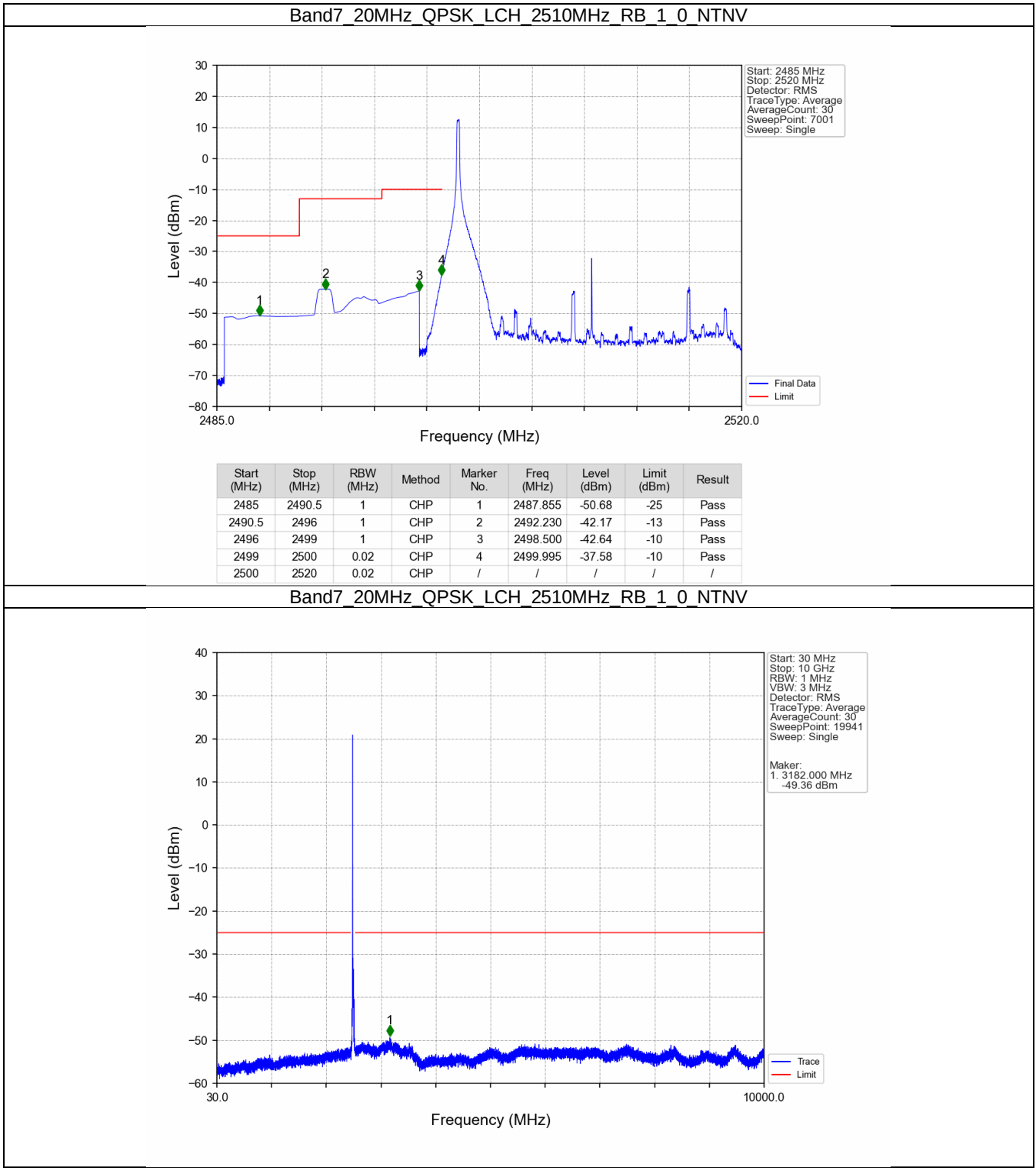
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.010	-34.52	-10	Pass
2571	2575	1	CHP	2	2573.200	-41.68	-10	Pass
2575	2584.9	1	CHP	3	2575.425	-44.04	-13	Pass
2584.9	2590	1	CHP	4	2584.930	-54.19	-25	Pass

Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTNV

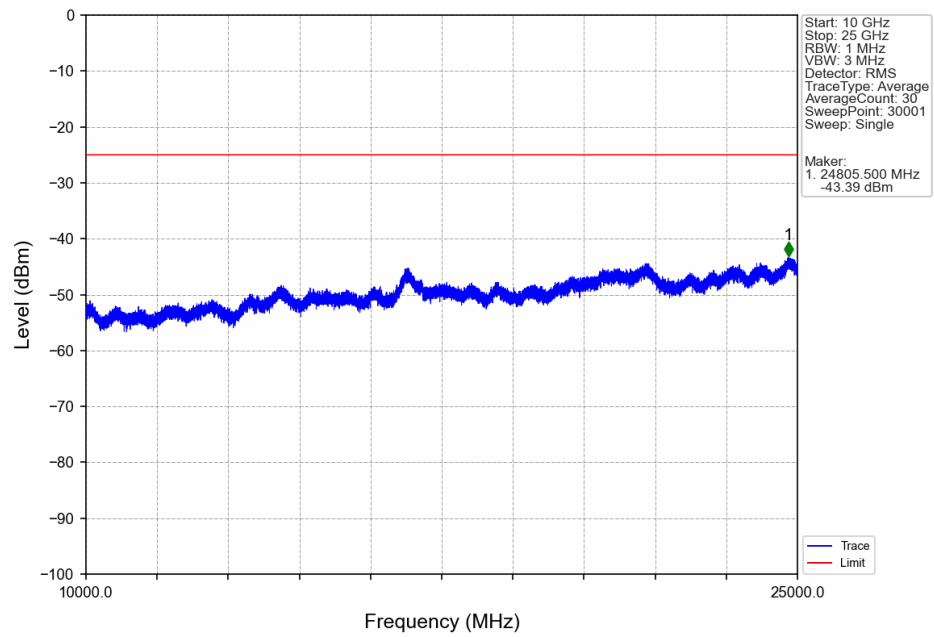


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.298	CHP	/	/	/	/	/
2570	2571	0.298	CHP	1	2570.015	-37.11	-10	Pass
2571	2575	1	CHP	2	2571.555	-34.96	-10	Pass
2575	2584.9	1	CHP	3	2575.125	-37.22	-13	Pass
2584.9	2590	1	CHP	4	2584.925	-48.47	-25	Pass

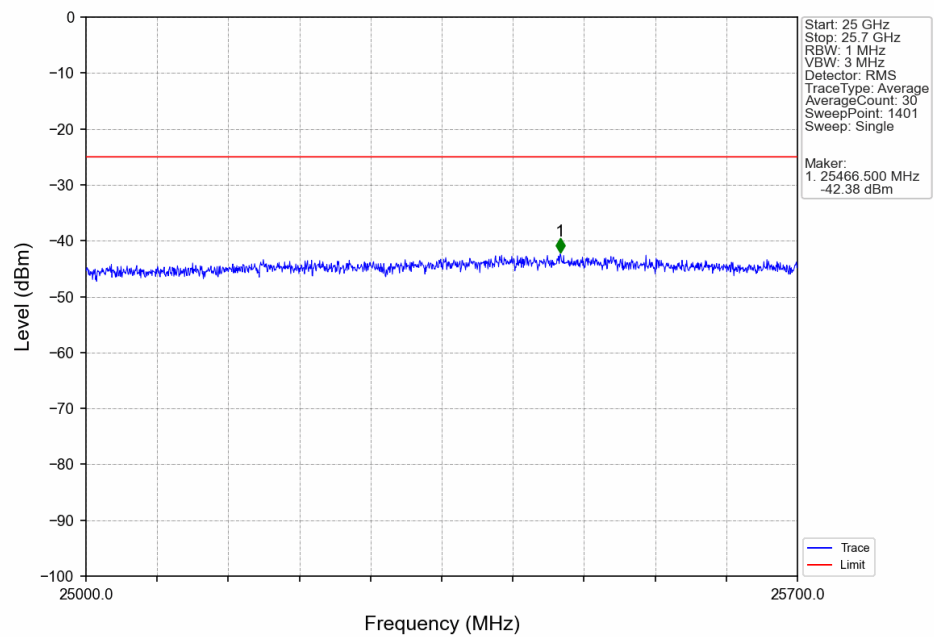
5.2.4 B7_20MHz



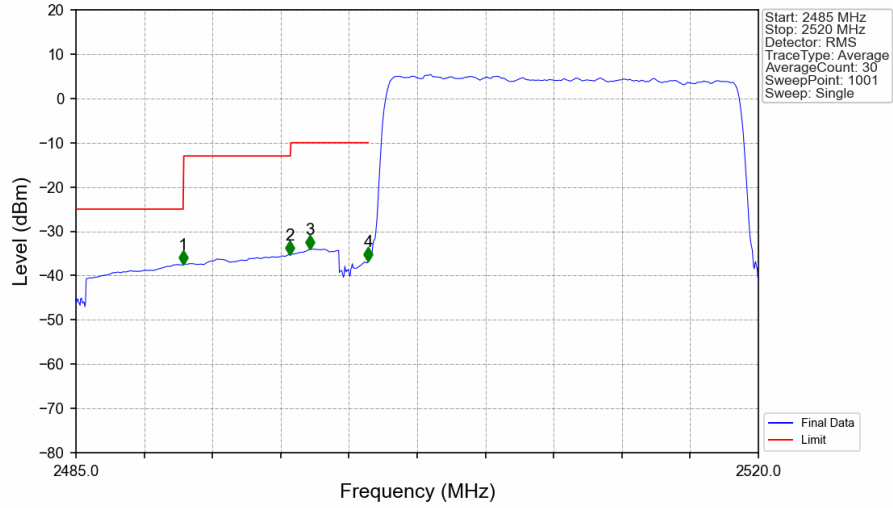
Band7 20MHz QPSK LCH 2510MHz RB 1 0 NTNV



Band7 20MHz QPSK LCH 2510MHz RB 1 0 NTNV

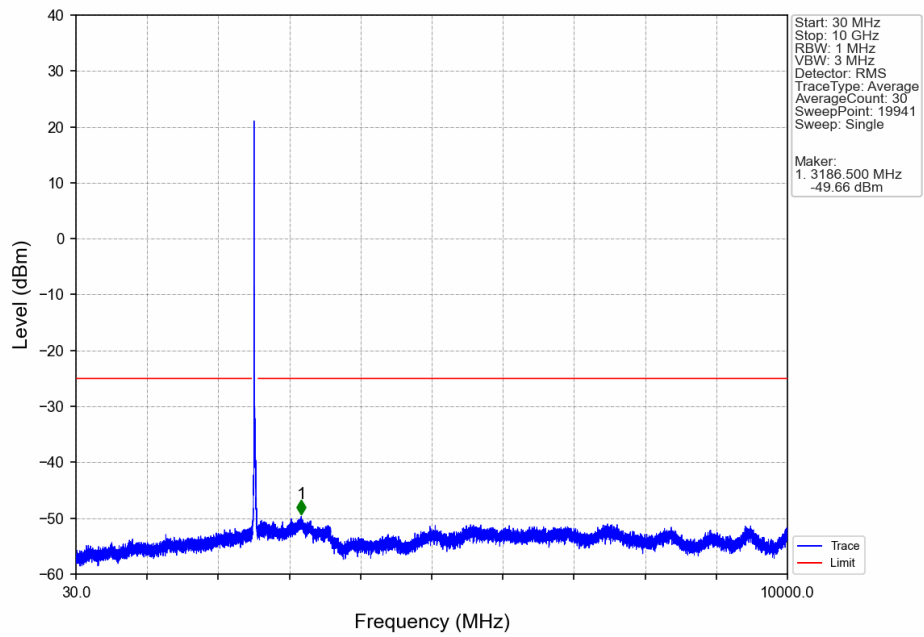


Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTNV

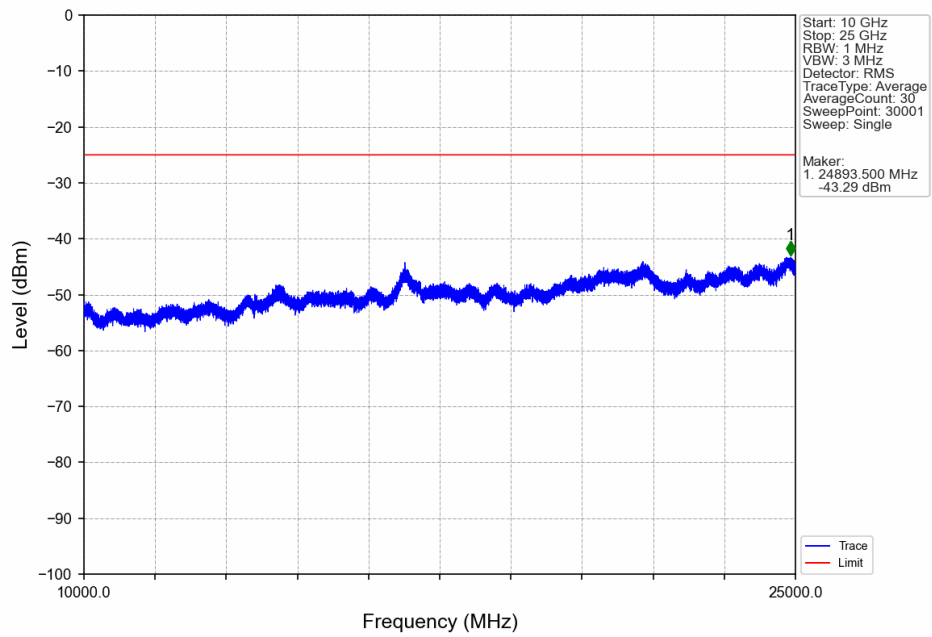


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.495	-37.45	-25	Pass
2490.5	2496	1	CHP	2	2495.955	-35.26	-13	Pass
2496	2499	1	CHP	3	2497.005	-34.04	-10	Pass
2499	2500	0.395	CHP	4	2499.980	-36.78	-10	Pass
2500	2520	0.395	CHP	/	/	/	/	/

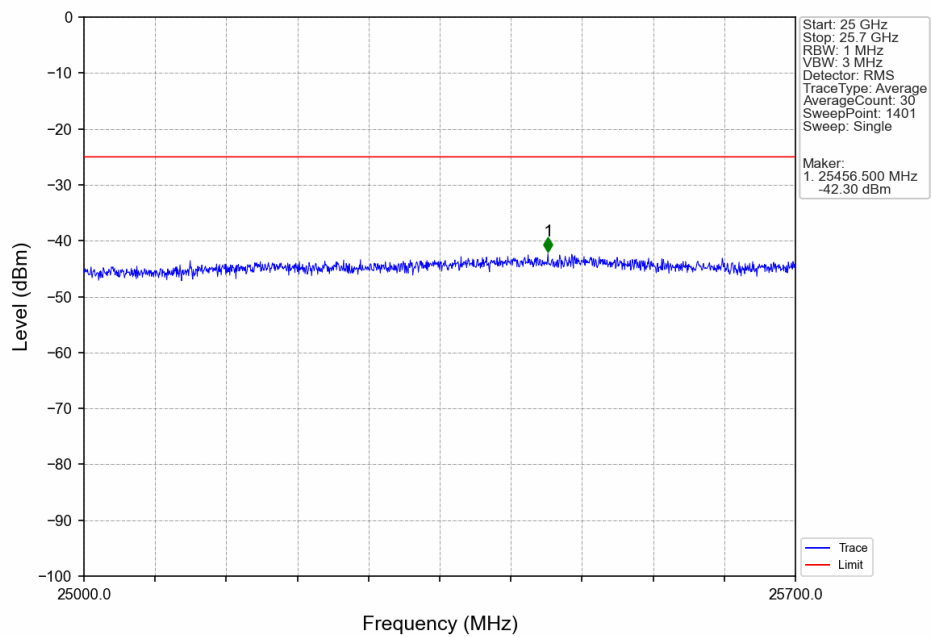
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTNV



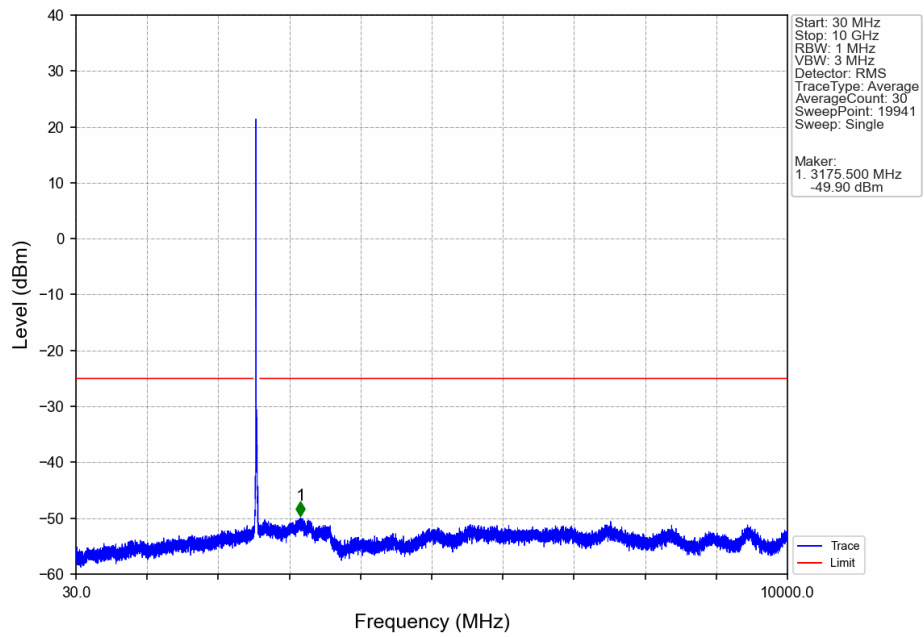
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTN



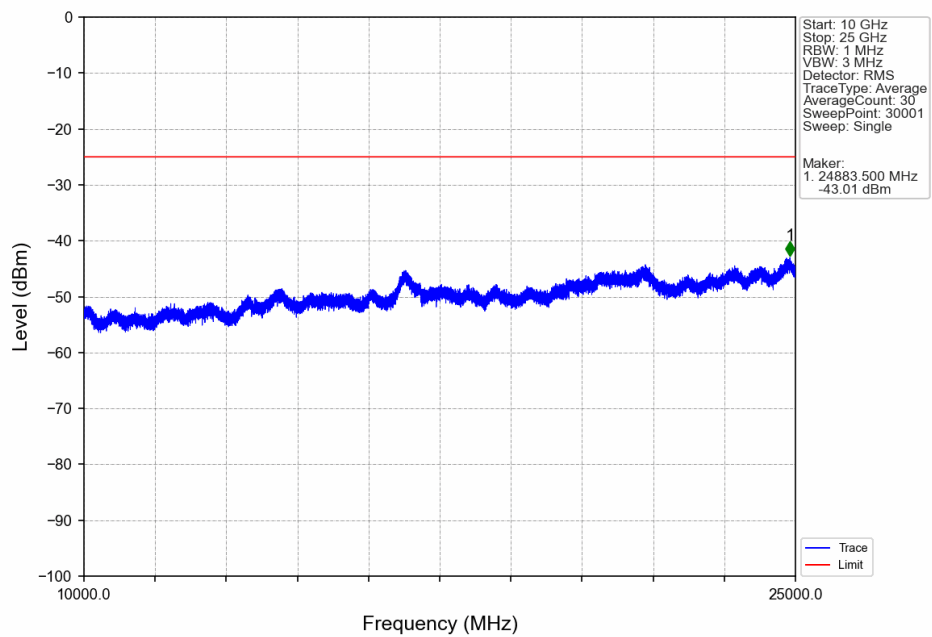
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTN



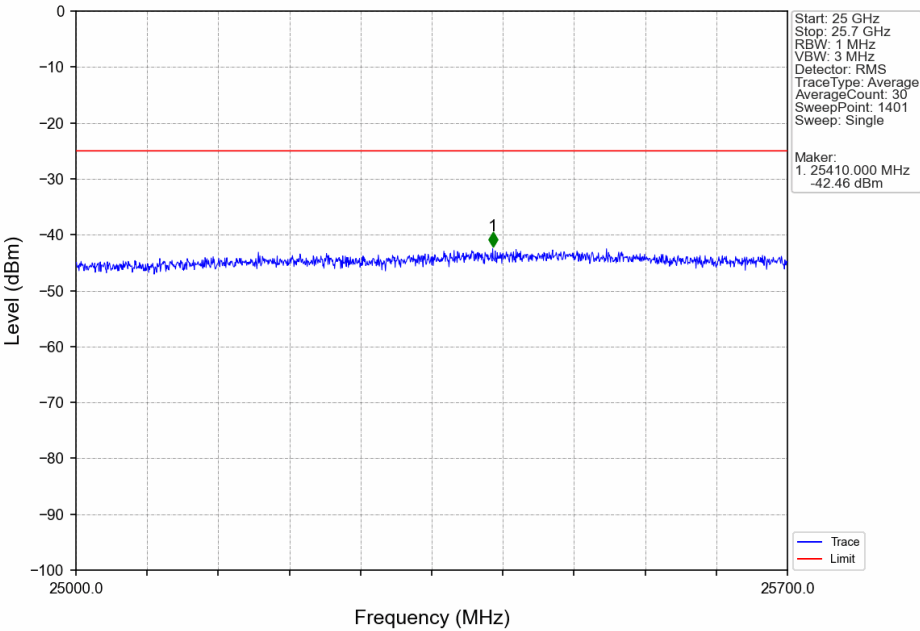
Band7 20MHz QPSK HCH 2560MHz RB 1 0 NTN



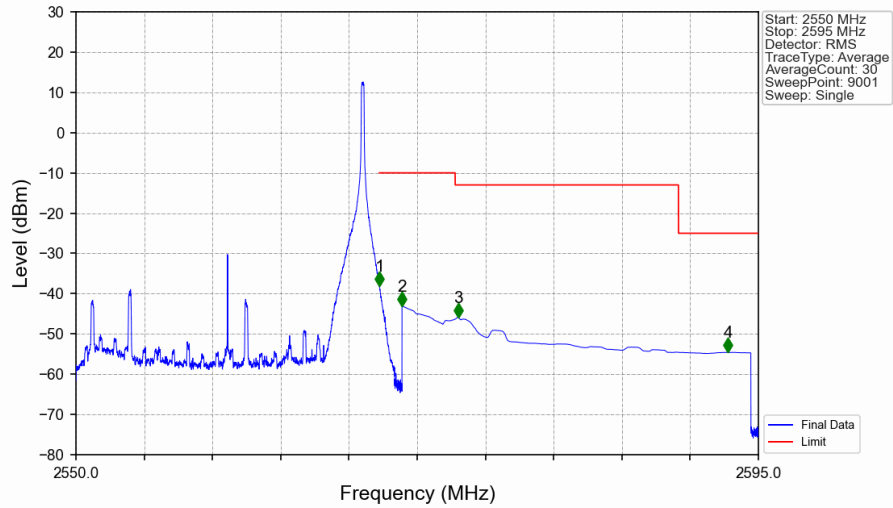
Band7 20MHz QPSK HCH 2560MHz RB 1 0 NTN



Band7 20MHz QPSK HCH 2560MHz RB 1 0 NTN

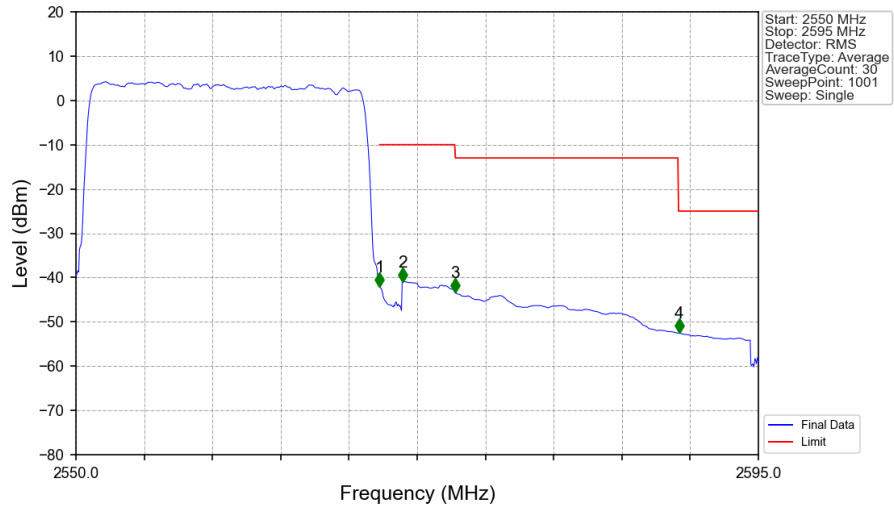


Band7 20MHz QPSK HCH 2560MHz RB 1 99 NTN



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	2570.010	-38.07	-10	Pass
2571	2575	1	CHP	2	2571.500	-42.98	-10	Pass
2575	2589.727	1	CHP	3	2575.195	-45.82	-13	Pass
2589.727	2595	1	CHP	4	2592.995	-54.57	-25	Pass

Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTV



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	-42.10	-10	Pass
2571	2575	1	CHP	2	2571.555	-40.92	-10	Pass
2575	2589.727	1	CHP	3	2575.020	-43.29	-13	Pass
2589.727	2595	1	CHP	4	2589.780	-52.48	-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	-62.83	-25	-37.83	-68.4	4.57	10.14	Horizontal	Pass
7503.0	-59.82	-25	-34.82	-66.62	4.94	11.74	Horizontal	Pass
10004.0	-57.37	-25	-32.37	-64.94	5.46	13.03	Horizontal	Pass
5002.0	-61.58	-25	-36.58	-67.15	4.57	10.14	Vertical	Pass
7503.0	-60.54	-25	-35.54	-67.34	4.94	11.74	Vertical	Pass
10004.0	-56.8	-25	-31.8	-64.37	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	-62.77	-25	-37.77	-68.35	4.59	10.17	Horizontal	Pass
7578.0	-58.44	-25	-33.44	-65.32	4.95	11.83	Horizontal	Pass
10104.0	-56.62	-25	-31.62	-64.19	5.48	13.05	Horizontal	Pass
5052.0	-62.63	-25	-37.63	-68.21	4.59	10.17	Vertical	Pass
7578.0	-59.71	-25	-34.71	-66.59	4.95	11.83	Vertical	Pass
10104.0	-56.7	-25	-31.7	-64.27	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	-63.29	-25	-38.29	-68.89	4.6	10.2	Horizontal	Pass
7653.0	-59.8	-25	-34.8	-66.77	4.95	11.92	Horizontal	Pass
10204.0	-57.03	-25	-32.03	-64.61	5.49	13.07	Horizontal	Pass
5102.0	-62.99	-25	-37.99	-68.59	4.6	10.2	Vertical	Pass
7653.0	-59.94	-25	-34.94	-66.91	4.95	11.92	Vertical	Pass
10204.0	-57.07	-25	-32.07	-64.65	5.49	13.07	Vertical	Pass