

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	24.17	2.21	26.38	<=33.01	Pass
			13	24.28	2.21	26.49	<=33.01	Pass
			24	24.17	2.21	26.38	<=33.01	Pass
		12	0	23.13	2.21	25.34	<=33.01	Pass
			6	23.09	2.21	25.30	<=33.01	Pass
			13	23.10	2.21	25.31	<=33.01	Pass
		25	0	23.07	2.21	25.28	<=33.01	Pass
	2535	1	0	24.10	2.21	26.31	<=33.01	Pass
			13	24.14	2.21	26.35	<=33.01	Pass
			24	24.06	2.21	26.27	<=33.01	Pass
		12	0	23.05	2.21	25.26	<=33.01	Pass
			6	23.04	2.21	25.25	<=33.01	Pass
			13	22.89	2.21	25.10	<=33.01	Pass
		25	0	23.02	2.21	25.23	<=33.01	Pass
	2567.5	1	0	24.07	2.21	26.28	<=33.01	Pass
			13	24.18	2.21	26.39	<=33.01	Pass
			24	24.15	2.21	26.36	<=33.01	Pass
		12	0	23.03	2.21	25.24	<=33.01	Pass
			6	23.11	2.21	25.32	<=33.01	Pass
			13	23.12	2.21	25.33	<=33.01	Pass
		25	0	23.04	2.21	25.25	<=33.01	Pass
16QAM	2502.5	1	0	23.27	2.21	25.48	<=33.01	Pass
			13	23.29	2.21	25.50	<=33.01	Pass
			24	23.26	2.21	25.47	<=33.01	Pass
		12	0	22.07	2.21	24.28	<=33.01	Pass
			6	22.10	2.21	24.31	<=33.01	Pass
			13	22.08	2.21	24.29	<=33.01	Pass
		25	0	22.03	2.21	24.24	<=33.01	Pass
	2535	1	0	23.01	2.21	25.22	<=33.01	Pass
			13	23.23	2.21	25.44	<=33.01	Pass
			24	23.09	2.21	25.30	<=33.01	Pass
		12	0	21.95	2.21	24.16	<=33.01	Pass
			6	21.96	2.21	24.17	<=33.01	Pass
			13	21.96	2.21	24.17	<=33.01	Pass
		25	0	21.95	2.21	24.16	<=33.01	Pass
	2567.5	1	0	23.16	2.21	25.37	<=33.01	Pass
			13	23.27	2.21	25.48	<=33.01	Pass
			24	23.21	2.21	25.42	<=33.01	Pass
		12	0	22.03	2.21	24.24	<=33.01	Pass
			6	22.11	2.21	24.32	<=33.01	Pass
			13	22.12	2.21	24.33	<=33.01	Pass
		25	0	22.06	2.21	24.27	<=33.01	Pass
64QAM	2502.5	1	0	22.24	2.21	24.45	<=33.01	Pass
			13	22.38	2.21	24.59	<=33.01	Pass
			24	22.37	2.21	24.58	<=33.01	Pass
		12	0	21.12	2.21	23.33	<=33.01	Pass
			6	21.10	2.21	23.31	<=33.01	Pass
			13	21.09	2.21	23.30	<=33.01	Pass
		25	0	21.07	2.21	23.28	<=33.01	Pass
	2535	1	0	21.94	2.21	24.15	<=33.01	Pass

			13	22.16	2.21	24.37	<=33.01	Pass	
			24	22.00	2.21	24.21	<=33.01	Pass	
		12	0	20.84	2.21	23.05	<=33.01	Pass	
			6	21.23	2.21	23.44	<=33.01	Pass	
			13	21.16	2.21	23.37	<=33.01	Pass	
		25	0	21.20	2.21	23.41	<=33.01	Pass	
	2567.5	1	0	22.17	2.21	24.38	<=33.01	Pass	
			13	22.30	2.21	24.51	<=33.01	Pass	
			24	22.28	2.21	24.49	<=33.01	Pass	
		12	0	21.02	2.21	23.23	<=33.01	Pass	
			6	21.09	2.21	23.30	<=33.01	Pass	
			13	21.20	2.21	23.41	<=33.01	Pass	
		25	0	21.08	2.21	23.29	<=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	24.15	2.21	26.36	<=33.01	Pass
			25	24.16	2.21	26.37	<=33.01	Pass
			49	24.13	2.21	26.34	<=33.01	Pass
		25	0	23.16	2.21	25.37	<=33.01	Pass
			13	23.08	2.21	25.29	<=33.01	Pass
			25	23.06	2.21	25.27	<=33.01	Pass
		50	0	23.06	2.21	25.27	<=33.01	Pass
	2535	1	0	24.19	2.21	26.40	<=33.01	Pass
			25	24.28	2.21	26.49	<=33.01	Pass
			49	24.21	2.21	26.42	<=33.01	Pass
		25	0	23.18	2.21	25.39	<=33.01	Pass
			13	23.19	2.21	25.40	<=33.01	Pass
			25	23.09	2.21	25.30	<=33.01	Pass
		50	0	23.14	2.21	25.35	<=33.01	Pass
	2565	1	0	24.01	2.21	26.22	<=33.01	Pass
			25	24.13	2.21	26.34	<=33.01	Pass
			49	24.14	2.21	26.35	<=33.01	Pass
		25	0	23.07	2.21	25.28	<=33.01	Pass
			13	23.13	2.21	25.34	<=33.01	Pass
			25	23.12	2.21	25.33	<=33.01	Pass
		50	0	23.09	2.21	25.30	<=33.01	Pass
16QAM	2505	1	0	23.27	2.21	25.48	<=33.01	Pass
			25	23.32	2.21	25.53	<=33.01	Pass
			49	23.32	2.21	25.53	<=33.01	Pass
		25	0	22.20	2.21	24.41	<=33.01	Pass
			13	22.11	2.21	24.32	<=33.01	Pass
			25	22.05	2.21	24.26	<=33.01	Pass
		50	0	22.05	2.21	24.26	<=33.01	Pass
	2535	1	0	23.25	2.21	25.46	<=33.01	Pass
			25	23.31	2.21	25.52	<=33.01	Pass
			49	23.30	2.21	25.51	<=33.01	Pass
		25	0	22.18	2.21	24.39	<=33.01	Pass
			13	22.21	2.21	24.42	<=33.01	Pass
			25	22.12	2.21	24.33	<=33.01	Pass
		50	0	22.18	2.21	24.39	<=33.01	Pass
	2565	1	0	23.14	2.21	25.35	<=33.01	Pass
			25	23.24	2.21	25.45	<=33.01	Pass
			49	23.28	2.21	25.49	<=33.01	Pass
		25	0	22.05	2.21	24.26	<=33.01	Pass

			13	22.07	2.21	24.28	<=33.01	Pass	
			25	22.09	2.21	24.30	<=33.01	Pass	
		50	0	22.05	2.21	24.26	<=33.01	Pass	
64QAM	2505	1	0	22.26	2.21	24.47	<=33.01	Pass	
			25	22.34	2.21	24.55	<=33.01	Pass	
			49	22.22	2.21	24.43	<=33.01	Pass	
		25	0	21.15	2.21	23.36	<=33.01	Pass	
			13	21.19	2.21	23.40	<=33.01	Pass	
			25	21.14	2.21	23.35	<=33.01	Pass	
		50	0	21.13	2.21	23.34	<=33.01	Pass	
		2535	1	0	22.27	2.21	24.48	<=33.01	Pass
				25	22.35	2.21	24.56	<=33.01	Pass
	49			22.33	2.21	24.54	<=33.01	Pass	
	25		0	21.17	2.21	23.38	<=33.01	Pass	
			13	21.25	2.21	23.46	<=33.01	Pass	
			25	21.18	2.21	23.39	<=33.01	Pass	
	50		0	21.14	2.21	23.35	<=33.01	Pass	
	2565		1	0	22.18	2.21	24.39	<=33.01	Pass
				25	22.20	2.21	24.41	<=33.01	Pass
		49		22.17	2.21	24.38	<=33.01	Pass	
		25	0	21.06	2.21	23.27	<=33.01	Pass	
			13	21.05	2.21	23.26	<=33.01	Pass	
			25	21.13	2.21	23.34	<=33.01	Pass	
		50	0	21.12	2.21	23.33	<=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	24.07	2.21	26.28	<=33.01	Pass
			38	24.11	2.21	26.32	<=33.01	Pass
			74	23.96	2.21	26.17	<=33.01	Pass
		36	0	23.19	2.21	25.40	<=33.01	Pass
			18	23.16	2.21	25.37	<=33.01	Pass
			39	23.07	2.21	25.28	<=33.01	Pass
		75	0	23.15	2.21	25.36	<=33.01	Pass
	2535	1	0	24.12	2.21	26.33	<=33.01	Pass
			38	24.21	2.21	26.42	<=33.01	Pass
			74	24.11	2.21	26.32	<=33.01	Pass
		36	0	23.24	2.21	25.45	<=33.01	Pass
			18	23.22	2.21	25.43	<=33.01	Pass
			39	23.15	2.21	25.36	<=33.01	Pass
		75	0	23.19	2.21	25.40	<=33.01	Pass
	2562.5	1	0	23.95	2.21	26.16	<=33.01	Pass
			38	24.04	2.21	26.25	<=33.01	Pass
			74	24.01	2.21	26.22	<=33.01	Pass
		36	0	23.08	2.21	25.29	<=33.01	Pass
			18	23.10	2.21	25.31	<=33.01	Pass
			39	23.01	2.21	25.22	<=33.01	Pass
		75	0	23.05	2.21	25.26	<=33.01	Pass
16QAM	2507.5	1	0	23.25	2.21	25.46	<=33.01	Pass
			38	23.32	2.21	25.53	<=33.01	Pass
			74	23.17	2.21	25.38	<=33.01	Pass
		36	0	22.14	2.21	24.35	<=33.01	Pass
			18	22.15	2.21	24.36	<=33.01	Pass
			39	22.03	2.21	24.24	<=33.01	Pass
		75	0	22.14	2.21	24.35	<=33.01	Pass

	2535	1	0	23.21	2.21	25.42	<=33.01	Pass
			38	23.34	2.21	25.55	<=33.01	Pass
			74	23.19	2.21	25.40	<=33.01	Pass
		36	0	22.22	2.21	24.43	<=33.01	Pass
			18	22.22	2.21	24.43	<=33.01	Pass
			39	22.16	2.21	24.37	<=33.01	Pass
		75	0	22.18	2.21	24.39	<=33.01	Pass
	2562.5	1	0	23.03	2.21	25.24	<=33.01	Pass
			38	23.22	2.21	25.43	<=33.01	Pass
			74	23.14	2.21	25.35	<=33.01	Pass
		36	0	22.06	2.21	24.27	<=33.01	Pass
			18	22.08	2.21	24.29	<=33.01	Pass
			39	22.02	2.21	24.23	<=33.01	Pass
		75	0	22.07	2.21	24.28	<=33.01	Pass
64QAM	2507.5	1	0	22.22	2.21	24.43	<=33.01	Pass
			38	22.27	2.21	24.48	<=33.01	Pass
			74	22.18	2.21	24.39	<=33.01	Pass
		36	0	21.17	2.21	23.38	<=33.01	Pass
			18	21.21	2.21	23.42	<=33.01	Pass
			39	21.05	2.21	23.26	<=33.01	Pass
		75	0	21.25	2.21	23.46	<=33.01	Pass
	2535	1	0	22.31	2.21	24.52	<=33.01	Pass
			38	22.30	2.21	24.51	<=33.01	Pass
			74	22.22	2.21	24.43	<=33.01	Pass
		36	0	21.15	2.21	23.36	<=33.01	Pass
			18	21.24	2.21	23.45	<=33.01	Pass
			39	21.13	2.21	23.34	<=33.01	Pass
		75	0	21.26	2.21	23.47	<=33.01	Pass
	2562.5	1	0	22.19	2.21	24.40	<=33.01	Pass
			38	22.26	2.21	24.47	<=33.01	Pass
			74	22.23	2.21	24.44	<=33.01	Pass
		36	0	21.02	2.21	23.23	<=33.01	Pass
			18	21.11	2.21	23.32	<=33.01	Pass
			39	21.00	2.21	23.21	<=33.01	Pass
		75	0	21.13	2.21	23.34	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B7_20MHz_EIRP

Band: 7 / Bandwidth: 20MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	24.14	2.21	26.35	<=33.01	Pass
			50	24.16	2.21	26.37	<=33.01	Pass
			99	24.07	2.21	26.28	<=33.01	Pass
		50	0	23.17	2.21	25.38	<=33.01	Pass
			25	23.16	2.21	25.37	<=33.01	Pass
			50	23.05	2.21	25.26	<=33.01	Pass
		100	0	23.11	2.21	25.32	<=33.01	Pass
	2535	1	0	23.99	2.21	26.20	<=33.01	Pass
			50	24.10	2.21	26.31	<=33.01	Pass
			99	24.08	2.21	26.29	<=33.01	Pass
		50	0	23.14	2.21	25.35	<=33.01	Pass
			25	23.19	2.21	25.40	<=33.01	Pass
			50	23.09	2.21	25.30	<=33.01	Pass
		100	0	23.11	2.21	25.32	<=33.01	Pass
	2560	1	0	23.96	2.21	26.17	<=33.01	Pass
			50	24.01	2.21	26.22	<=33.01	Pass
			99	24.07	2.21	26.28	<=33.01	Pass

		50	0	23.08	2.21	25.29	<=33.01	Pass		
			25	23.12	2.21	25.33	<=33.01	Pass		
			50	23.11	2.21	25.32	<=33.01	Pass		
		100	0	23.09	2.21	25.30	<=33.01	Pass		
16QAM	2510	1	0	23.27	2.21	25.48	<=33.01	Pass		
			50	23.20	2.21	25.41	<=33.01	Pass		
			99	23.23	2.21	25.44	<=33.01	Pass		
		50	0	22.15	2.21	24.36	<=33.01	Pass		
			25	22.14	2.21	24.35	<=33.01	Pass		
			50	22.00	2.21	24.21	<=33.01	Pass		
		100	0	22.10	2.21	24.31	<=33.01	Pass		
		2535	1	0	23.19	2.21	25.40	<=33.01	Pass	
				50	23.38	2.21	25.59	<=33.01	Pass	
	99			23.24	2.21	25.45	<=33.01	Pass		
	50		0	22.07	2.21	24.28	<=33.01	Pass		
			25	22.16	2.21	24.37	<=33.01	Pass		
			50	22.03	2.21	24.24	<=33.01	Pass		
	100		0	22.10	2.21	24.31	<=33.01	Pass		
	2560		1	0	23.08	2.21	25.29	<=33.01	Pass	
				50	23.06	2.21	25.27	<=33.01	Pass	
		99		23.36	2.21	25.57	<=33.01	Pass		
		50	0	22.05	2.21	24.26	<=33.01	Pass		
			25	22.07	2.21	24.28	<=33.01	Pass		
			50	22.06	2.21	24.27	<=33.01	Pass		
		100	0	22.06	2.21	24.27	<=33.01	Pass		
		64QAM	2510	1	0	22.21	2.21	24.42	<=33.01	Pass
					50	22.31	2.21	24.52	<=33.01	Pass
	99				22.30	2.21	24.51	<=33.01	Pass	
50	0			21.12	2.21	23.33	<=33.01	Pass		
	25			21.19	2.21	23.40	<=33.01	Pass		
	50			21.04	2.21	23.25	<=33.01	Pass		
100	0			21.15	2.21	23.36	<=33.01	Pass		
2535	1			0	22.22	2.21	24.43	<=33.01	Pass	
				50	22.36	2.21	24.57	<=33.01	Pass	
			99	22.17	2.21	24.38	<=33.01	Pass		
	50		0	21.09	2.21	23.30	<=33.01	Pass		
			25	21.20	2.21	23.41	<=33.01	Pass		
			50	20.98	2.21	23.19	<=33.01	Pass		
	100		0	21.12	2.21	23.33	<=33.01	Pass		
	2560		1	0	22.06	2.21	24.27	<=33.01	Pass	
				50	22.16	2.21	24.37	<=33.01	Pass	
99				22.15	2.21	24.36	<=33.01	Pass		
50			0	21.08	2.21	23.29	<=33.01	Pass		
			25	21.13	2.21	23.34	<=33.01	Pass		
			50	21.12	2.21	23.33	<=33.01	Pass		
100			0	21.08	2.21	23.29	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 B7_20MHz

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.3	-1.300	-0.0005	/	Pass
					3.8	1.100	0.0004	/	Pass
					4.4	-0.700	-0.0003	/	Pass
				-30	3.8	-0.900	-0.0004	/	Pass
				-20	3.8	-2.200	-0.0009	/	Pass
				-10	3.8	1.200	0.0005	/	Pass
				0	3.8	-1.000	-0.0004	/	Pass
				10	3.8	-0.100	0.0000	/	Pass
				30	3.8	-0.600	-0.0002	/	Pass
				40	3.8	-0.600	-0.0002	/	Pass
				50	3.8	-0.900	-0.0004	/	Pass
	2535	100	0	20	3.3	-2.200	-0.0009	/	Pass
					3.8	-1.800	-0.0007	/	Pass
					4.4	0.100	0.0000	/	Pass
				-30	3.8	-1.700	-0.0007	/	Pass
				-20	3.8	-0.400	-0.0002	/	Pass
				-10	3.8	-1.900	-0.0007	/	Pass
				0	3.8	-1.700	-0.0007	/	Pass
				10	3.8	-1.400	-0.0006	/	Pass
				30	3.8	-1.200	-0.0005	/	Pass
				40	3.8	-0.800	-0.0003	/	Pass
				50	3.8	-1.000	-0.0004	/	Pass
	2560	100	0	20	3.3	-3.500	-0.0014	/	Pass
					3.8	-0.300	-0.0001	/	Pass
					4.4	-1.900	-0.0007	/	Pass
				-30	3.8	-2.000	-0.0008	/	Pass
				-20	3.8	-2.100	-0.0008	/	Pass
				-10	3.8	-3.000	-0.0012	/	Pass
				0	3.8	-3.300	-0.0013	/	Pass
				10	3.8	-2.600	-0.0010	/	Pass
				30	3.8	-1.300	-0.0005	/	Pass
				40	3.8	-3.600	-0.0014	/	Pass
				50	3.8	-3.900	-0.0015	/	Pass
16QAM	2510	100	0	20	3.3	-0.500	-0.0002	/	Pass
					3.8	0.000	0.0000	/	Pass
					4.4	-2.400	-0.0010	/	Pass
				-30	3.8	-0.200	-0.0001	/	Pass
				-20	3.8	-0.900	-0.0004	/	Pass
				-10	3.8	-1.000	-0.0004	/	Pass
				0	3.8	-1.300	-0.0005	/	Pass
				10	3.8	-1.400	-0.0006	/	Pass
				30	3.8	-3.300	-0.0013	/	Pass
				40	3.8	-1.500	-0.0006	/	Pass
				50	3.8	0.200	0.0001	/	Pass
	2535	100	0	20	3.3	-2.500	-0.0010	/	Pass
					3.8	-1.100	-0.0004	/	Pass
					4.4	-0.800	-0.0003	/	Pass
				-30	3.8	-2.400	-0.0009	/	Pass

				-20	3.8	-2.400	-0.0009	/	Pass
				-10	3.8	-1.700	-0.0007	/	Pass
				0	3.8	-2.400	-0.0009	/	Pass
				10	3.8	-0.900	-0.0004	/	Pass
				30	3.8	-1.000	-0.0004	/	Pass
				40	3.8	-2.900	-0.0011	/	Pass
				50	3.8	0.000	0.0000	/	Pass
	2560	100	0	20	3.3	-1.700	-0.0007	/	Pass
					3.8	-1.800	-0.0007	/	Pass
					4.4	-0.400	-0.0002	/	Pass
				-30	3.8	-3.600	-0.0014	/	Pass
				-20	3.8	-5.500	-0.0021	/	Pass
				-10	3.8	-5.300	-0.0021	/	Pass
				0	3.8	-2.500	-0.0010	/	Pass
				10	3.8	-6.400	-0.0025	/	Pass
				30	3.8	29.300	0.0114	/	Pass
				40	3.8	-7.500	-0.0029	/	Pass
				50	3.8	26.400	0.0103	/	Pass
64QAM	2510	100	0	20	3.3	-0.600	-0.0002	/	Pass
					3.8	-5.800	-0.0023	/	Pass
					4.4	3.600	0.0014	/	Pass
				-30	3.8	-6.200	-0.0025	/	Pass
				-20	3.8	0.300	0.0001	/	Pass
				-10	3.8	3.500	0.0014	/	Pass
				0	3.8	2.600	0.0010	/	Pass
				10	3.8	6.200	0.0025	/	Pass
				30	3.8	-5.200	-0.0021	/	Pass
				40	3.8	15.600	0.0062	/	Pass
				50	3.8	7.000	0.0028	/	Pass
	2535	100	0	20	3.3	-4.900	-0.0019	/	Pass
					3.8	-5.400	-0.0021	/	Pass
					4.4	1.600	0.0006	/	Pass
				-30	3.8	-0.400	-0.0002	/	Pass
				-20	3.8	-12.300	-0.0049	/	Pass
				-10	3.8	8.300	0.0033	/	Pass
				0	3.8	2.200	0.0009	/	Pass
				10	3.8	-7.400	-0.0029	/	Pass
				30	3.8	-8.900	-0.0035	/	Pass
				40	3.8	-17.200	-0.0068	/	Pass
				50	3.8	-2.200	-0.0009	/	Pass
	2560	100	0	20	3.3	-24.000	-0.0094	/	Pass
					3.8	-2.800	-0.0011	/	Pass
					4.4	-9.300	-0.0036	/	Pass
				-30	3.8	2.700	0.0011	/	Pass
				-20	3.8	-15.700	-0.0061	/	Pass
				-10	3.8	-19.700	-0.0077	/	Pass
				0	3.8	-9.900	-0.0039	/	Pass
				10	3.8	2.400	0.0009	/	Pass
				30	3.8	-4.700	-0.0018	/	Pass
				40	3.8	-6.100	-0.0024	/	Pass
				50	3.8	-19.900	-0.0078	/	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band7_OBW

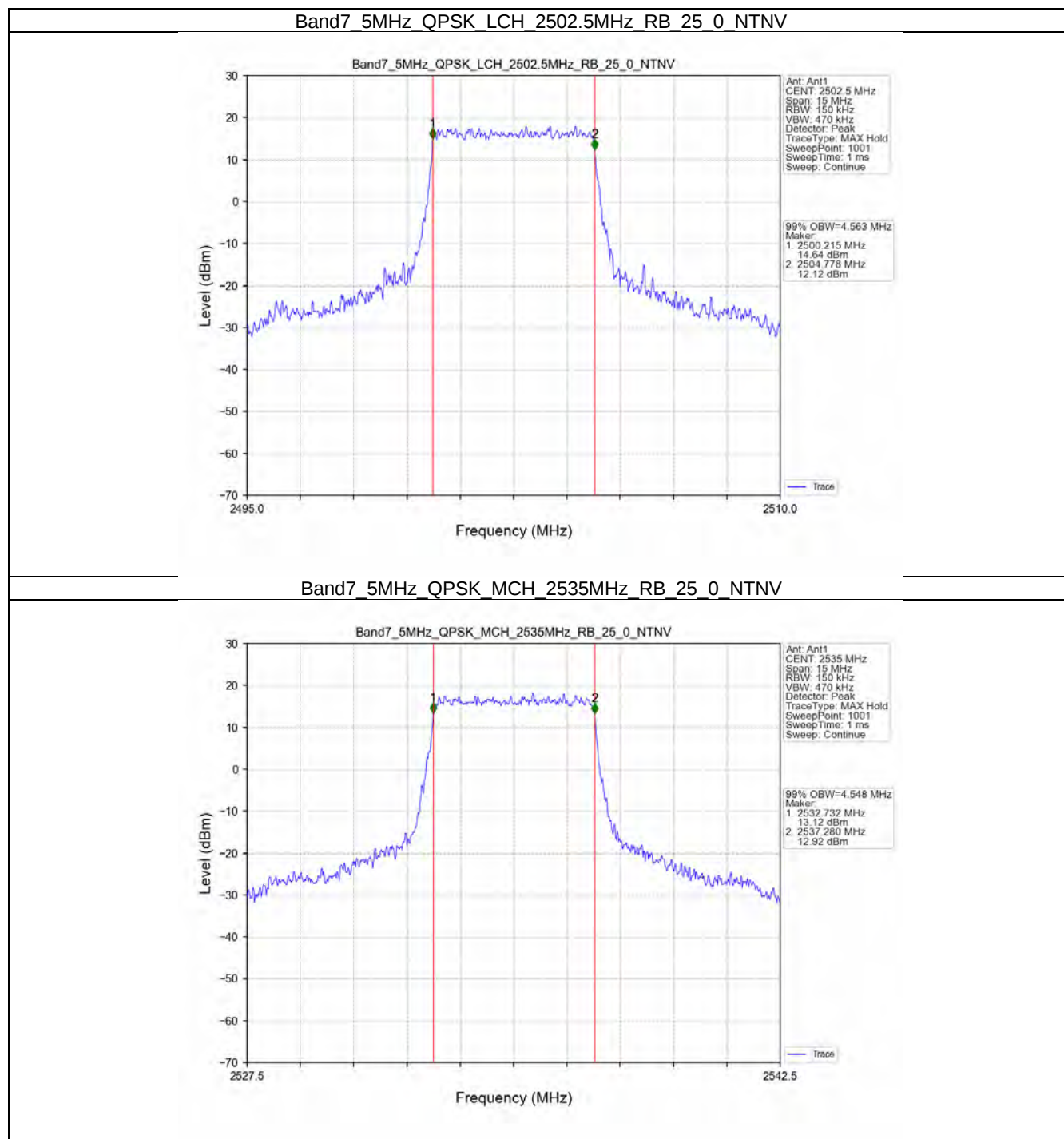
Band: 7 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	4.563	/	Pass
		2535	25	0	4.548	/	Pass
		2567.5	25	0	4.544	/	Pass
	16QAM	2502.5	25	0	4.552	/	Pass
		2535	25	0	4.557	/	Pass
		2567.5	25	0	4.560	/	Pass
	64QAM	2502.5	25	0	4.561	/	Pass
		2535	25	0	4.565	/	Pass
		2567.5	25	0	4.544	/	Pass
10	QPSK	2505	50	0	9.075	/	Pass
		2535	50	0	9.108	/	Pass
		2565	50	0	9.072	/	Pass
	16QAM	2505	50	0	9.086	/	Pass
		2535	50	0	9.115	/	Pass
		2565	50	0	9.068	/	Pass
	64QAM	2505	50	0	9.074	/	Pass
		2535	50	0	9.075	/	Pass
		2565	50	0	9.063	/	Pass
15	QPSK	2507.5	75	0	13.636	/	Pass
		2535	75	0	13.644	/	Pass
		2562.5	75	0	13.663	/	Pass
	16QAM	2507.5	75	0	13.599	/	Pass
		2535	75	0	13.649	/	Pass
		2562.5	75	0	13.607	/	Pass
	64QAM	2507.5	75	0	13.599	/	Pass
		2535	75	0	13.571	/	Pass
		2562.5	75	0	13.592	/	Pass
20	QPSK	2510	100	0	18.151	/	Pass
		2535	100	0	18.104	/	Pass
		2560	100	0	18.129	/	Pass
	16QAM	2510	100	0	18.106	/	Pass
		2535	100	0	18.136	/	Pass
		2560	100	0	18.161	/	Pass
	64QAM	2510	100	0	18.174	/	Pass
		2535	100	0	18.139	/	Pass
		2560	100	0	18.103	/	Pass

3.1.2 Band7_XDB

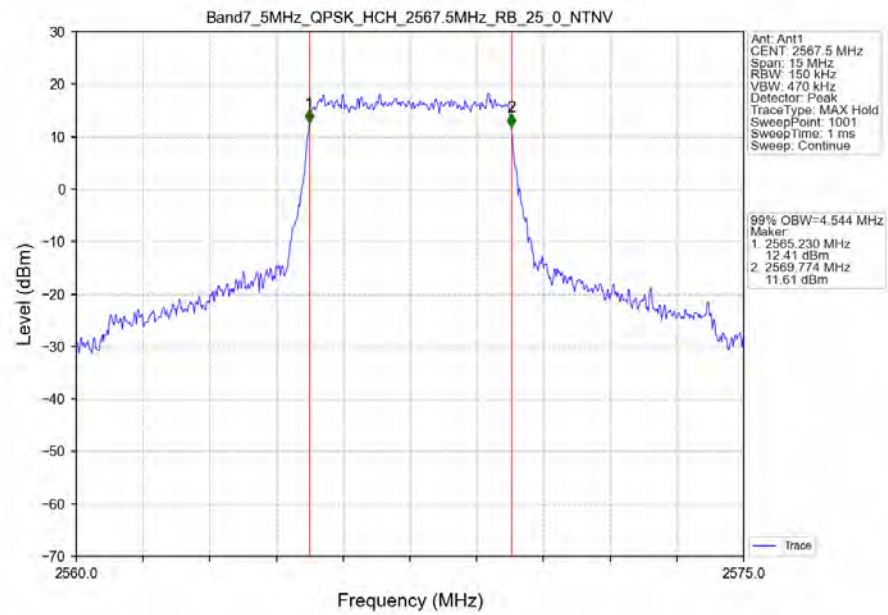
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2502.5	25	0	5.229	/	Pass
		2535	25	0	5.265	/	Pass
		2567.5	25	0	5.285	/	Pass
	16QAM	2502.5	25	0	5.176	/	Pass
		2535	25	0	5.239	/	Pass
		2567.5	25	0	5.313	/	Pass
	64QAM	2502.5	25	0	5.229	/	Pass
		2535	25	0	5.288	/	Pass
		2567.5	25	0	5.275	/	Pass
10	QPSK	2505	50	0	10.109	/	Pass
		2535	50	0	10.069	/	Pass
		2565	50	0	10.201	/	Pass
	16QAM	2505	50	0	10.152	/	Pass
		2535	50	0	10.264	/	Pass
		2565	50	0	10.158	/	Pass
	64QAM	2505	50	0	10.192	/	Pass
		2535	50	0	10.210	/	Pass
		2565	50	0	10.188	/	Pass
15	QPSK	2507.5	75	0	15.167	/	Pass
		2535	75	0	15.233	/	Pass
		2562.5	75	0	15.246	/	Pass
	16QAM	2507.5	75	0	15.070	/	Pass
		2535	75	0	15.220	/	Pass
		2562.5	75	0	15.178	/	Pass
	64QAM	2507.5	75	0	15.178	/	Pass
		2535	75	0	15.156	/	Pass
		2562.5	75	0	15.097	/	Pass
20	QPSK	2510	100	0	20.008	/	Pass
		2535	100	0	20.054	/	Pass
		2560	100	0	19.925	/	Pass
	16QAM	2510	100	0	20.062	/	Pass
		2535	100	0	20.092	/	Pass
		2560	100	0	20.138	/	Pass
	64QAM	2510	100	0	19.900	/	Pass
		2535	100	0	19.804	/	Pass
		2560	100	0	20.107	/	Pass

3.2 Test Graph

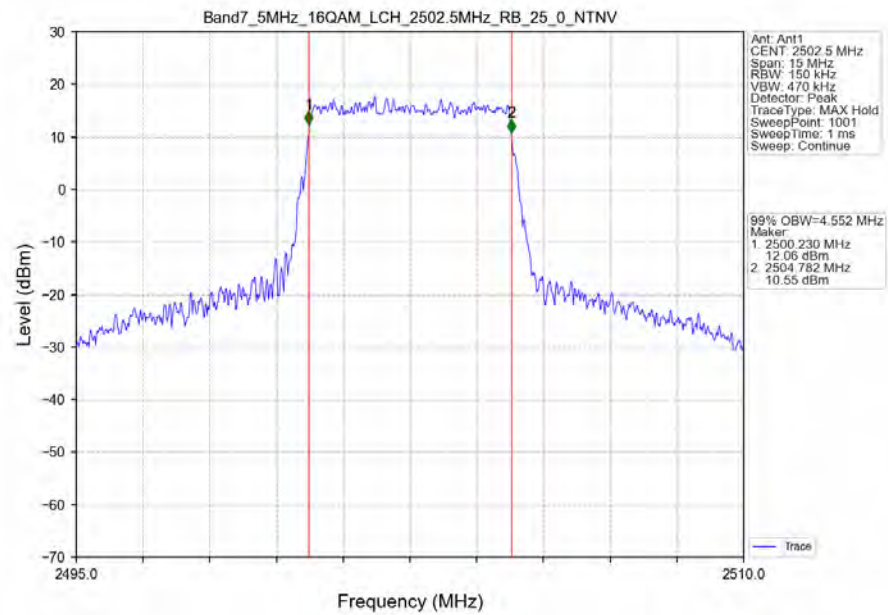
3.2.1 Band7_OBW



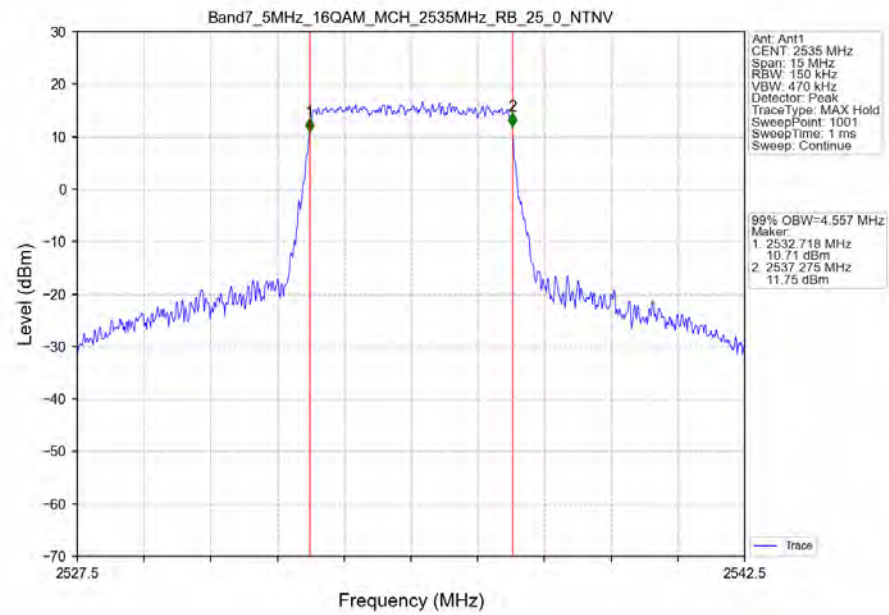
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



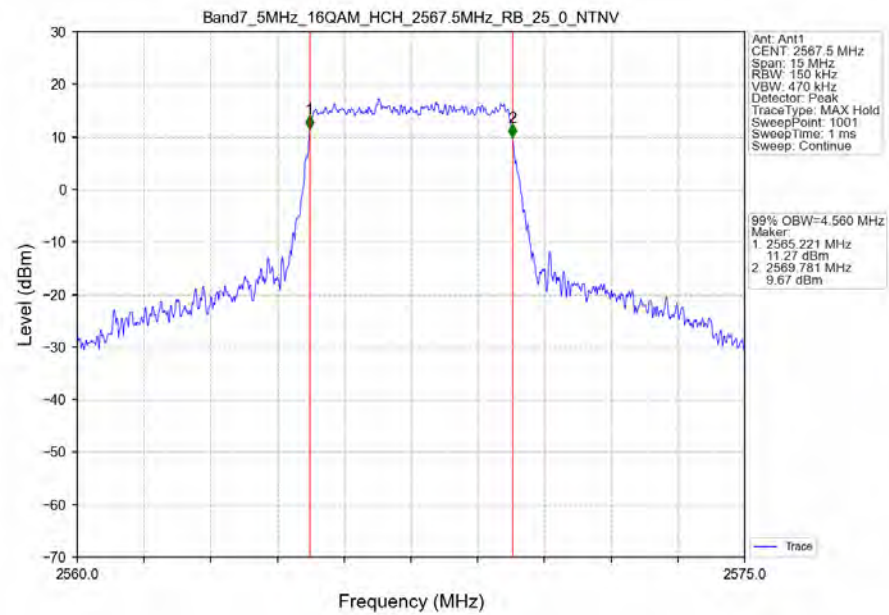
Band7_5MHz_16QAM_LCH_2502.5MHz_RB_25_0_NTNV



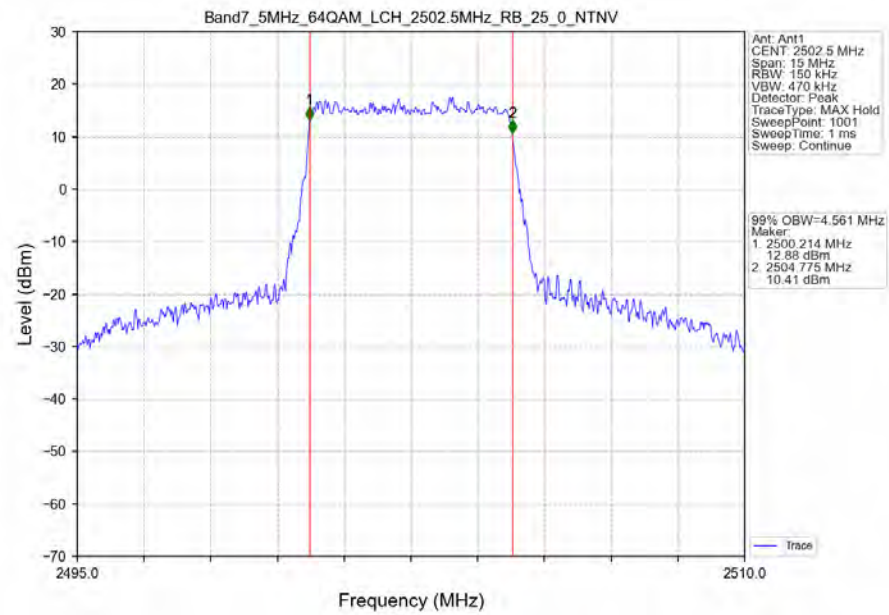
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



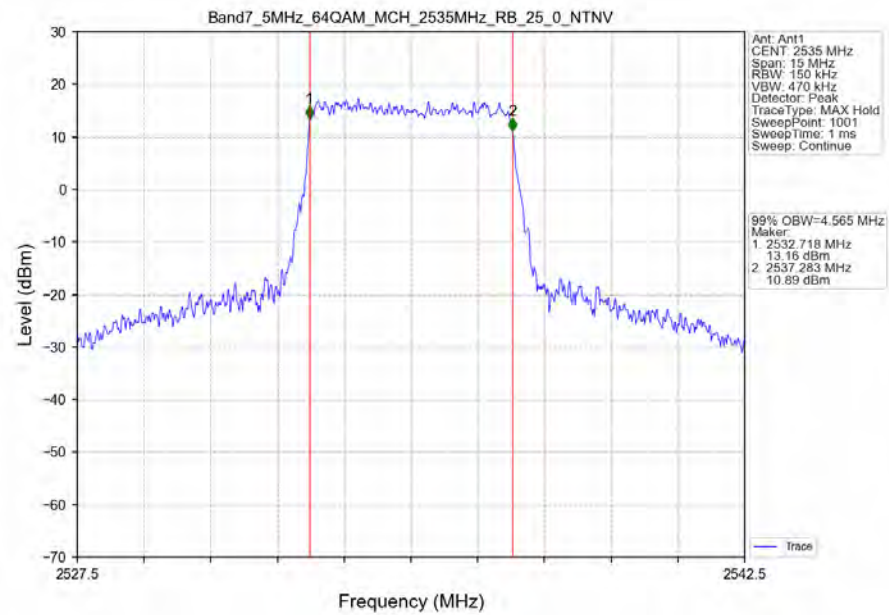
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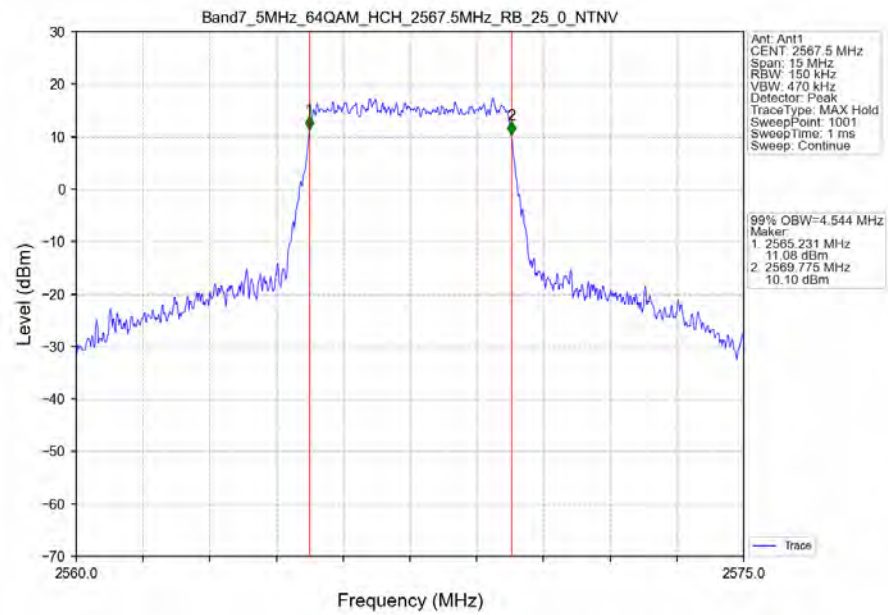
Band7_5MHz_64QAM_LCH_2502.5MHz_RB_25_0_NTNV



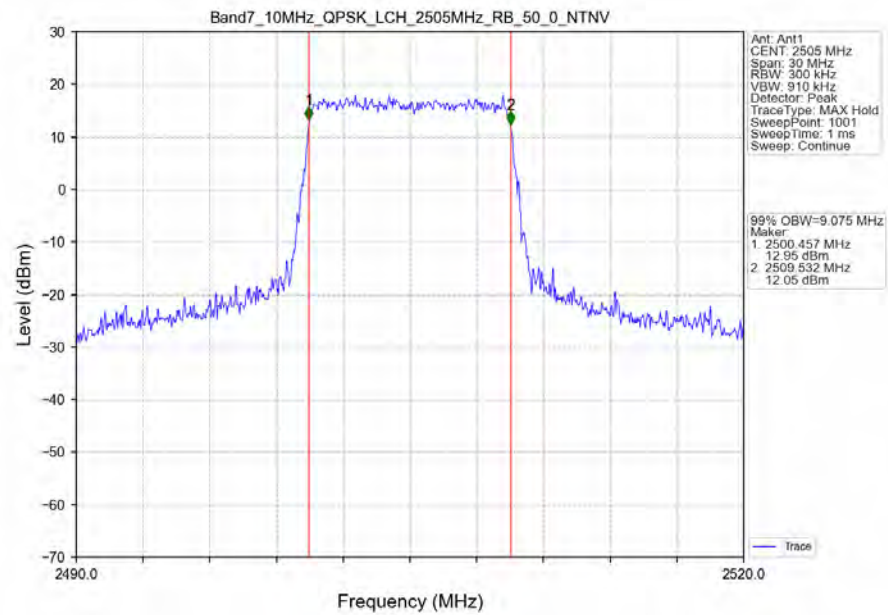
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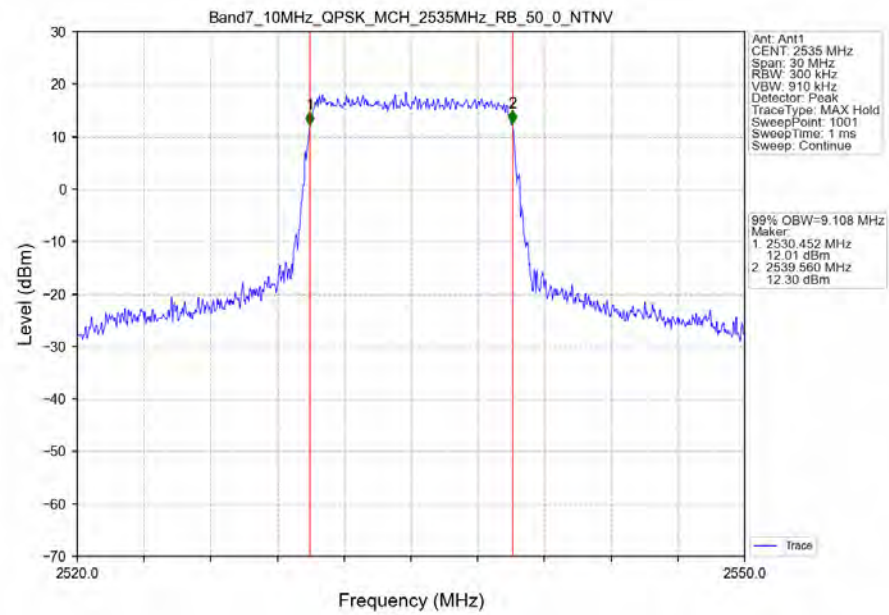
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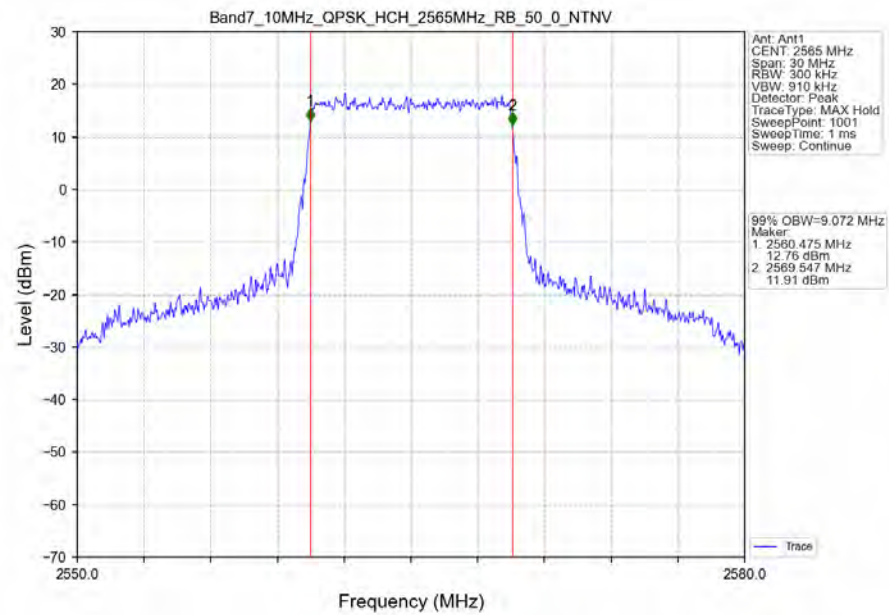
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



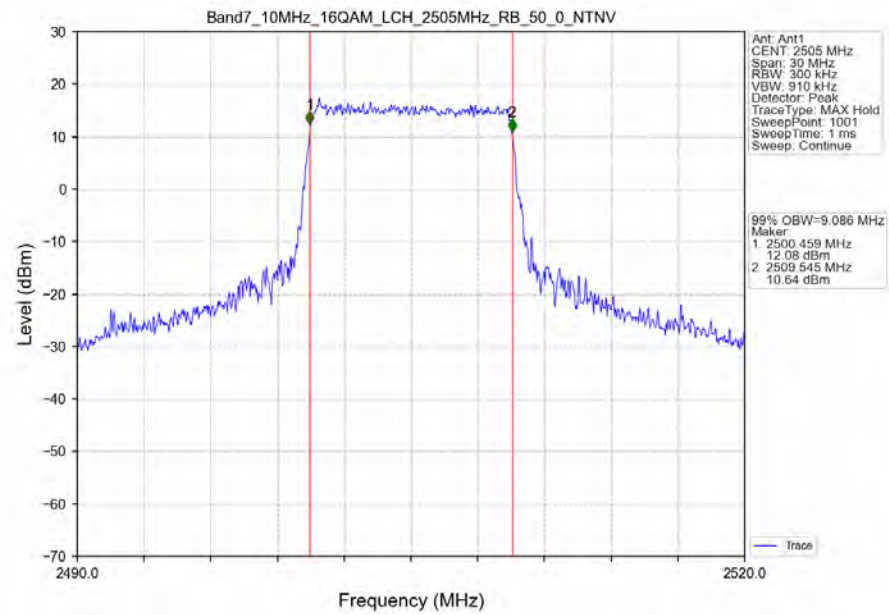
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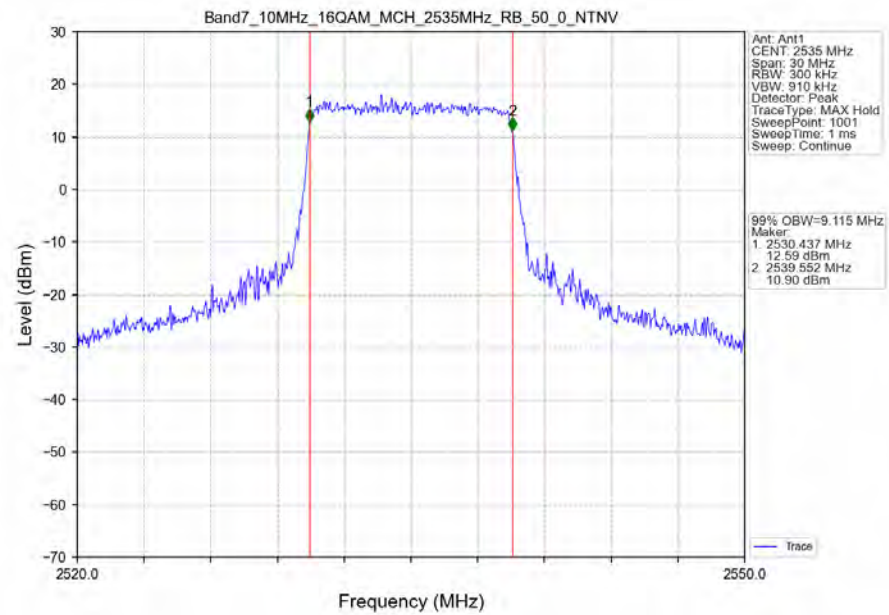
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



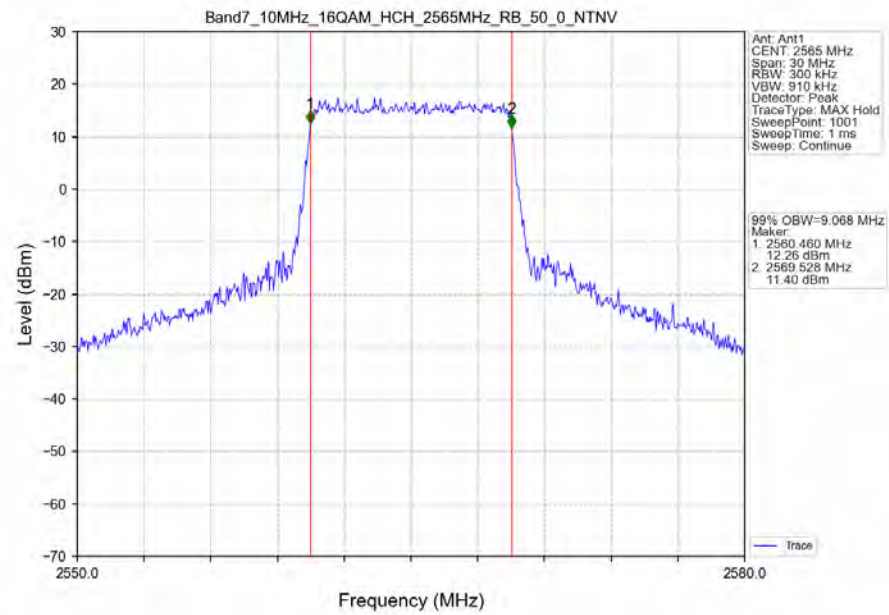
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



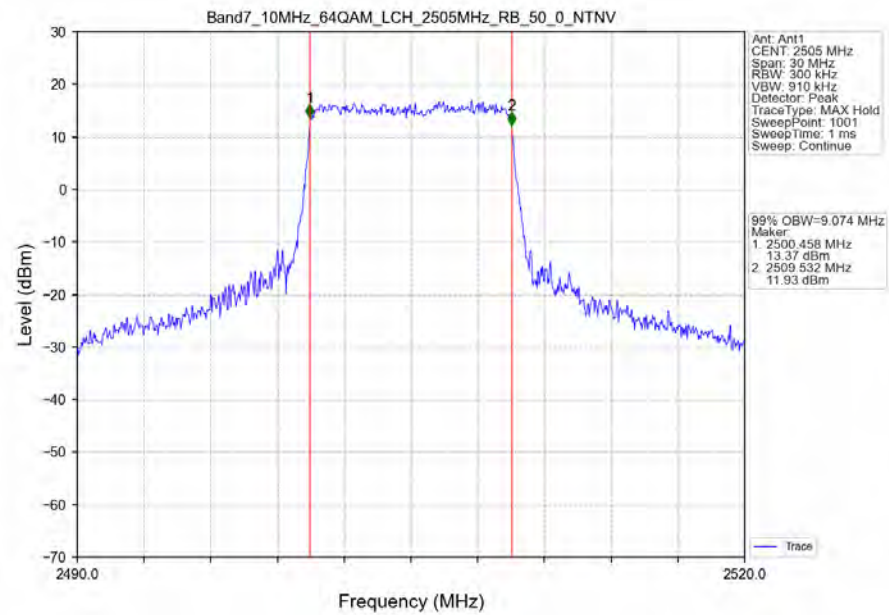
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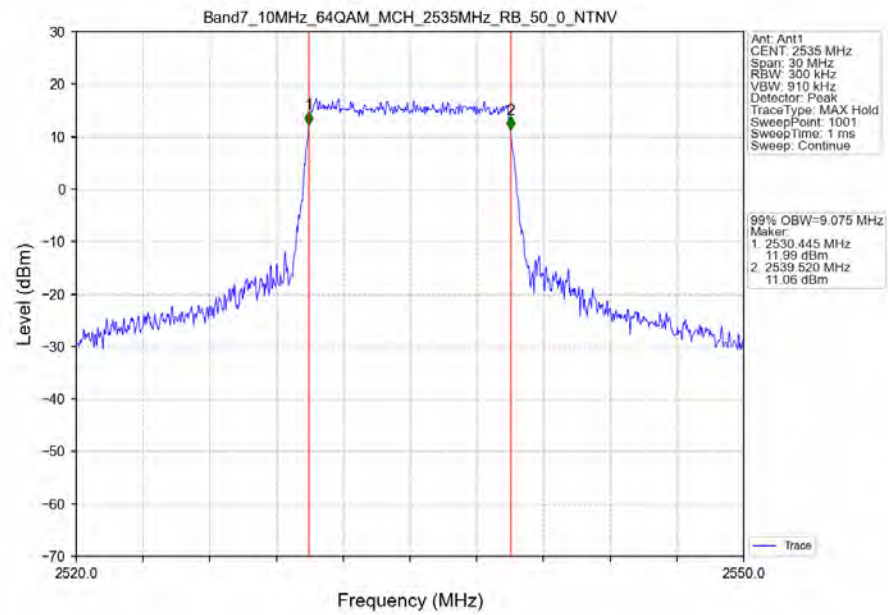
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



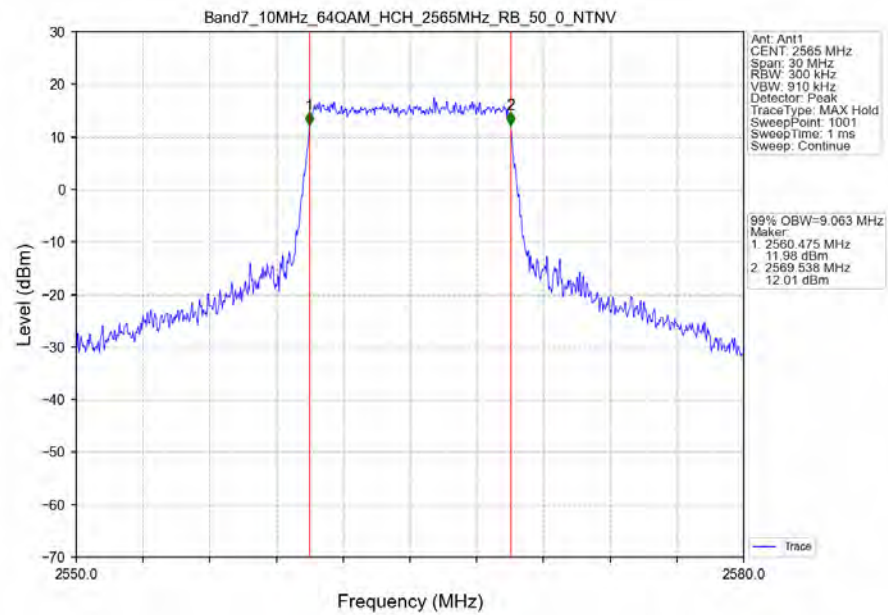
Band7_10MHz_64QAM_LCH_2505MHz_RB_50_0_NTNV



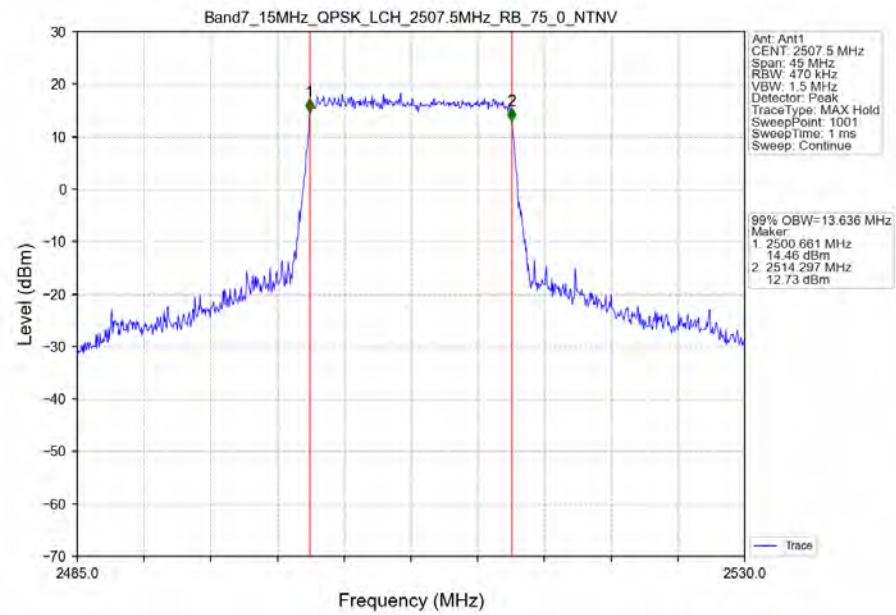
Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV



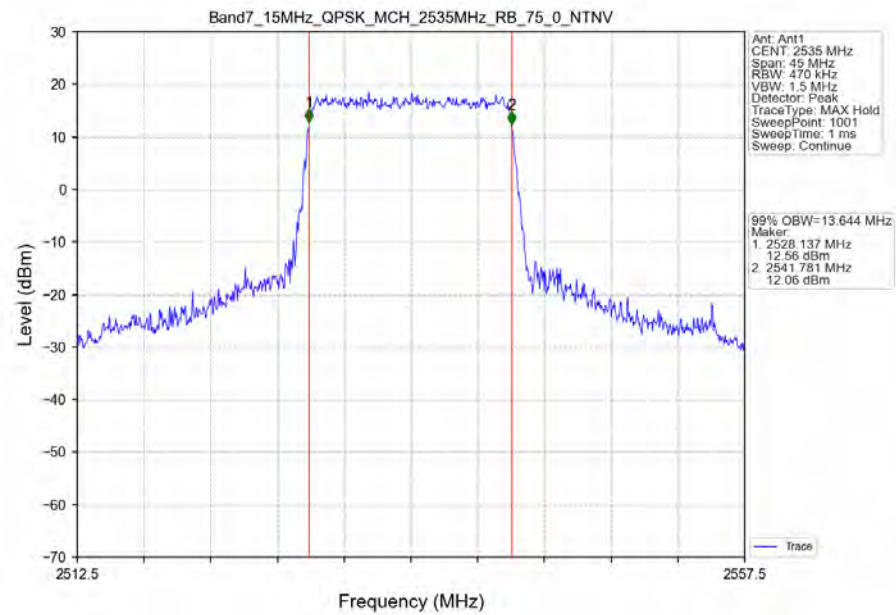
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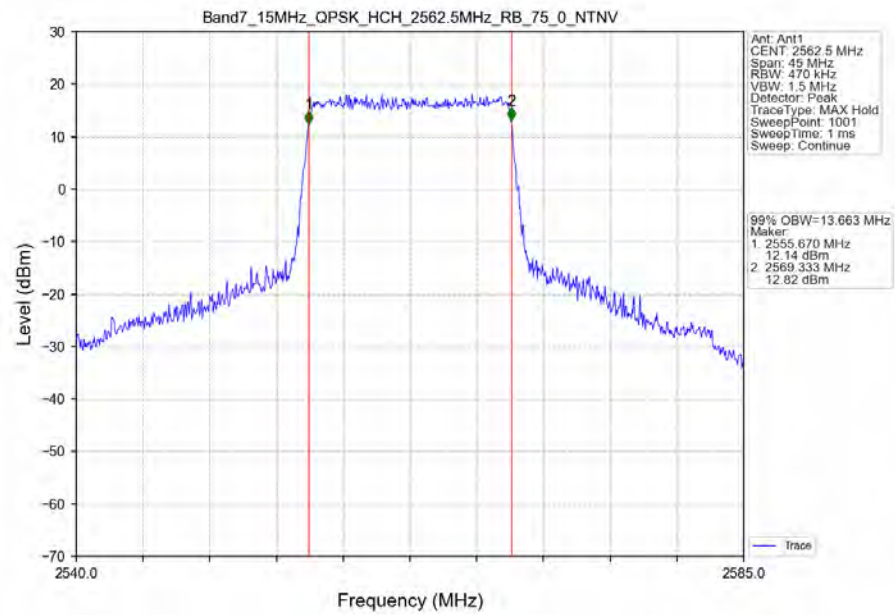
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



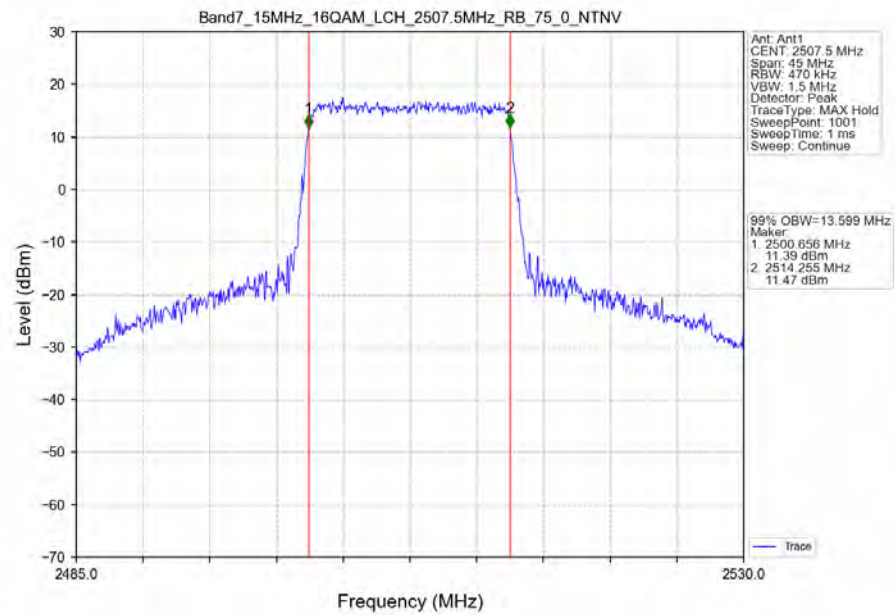
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



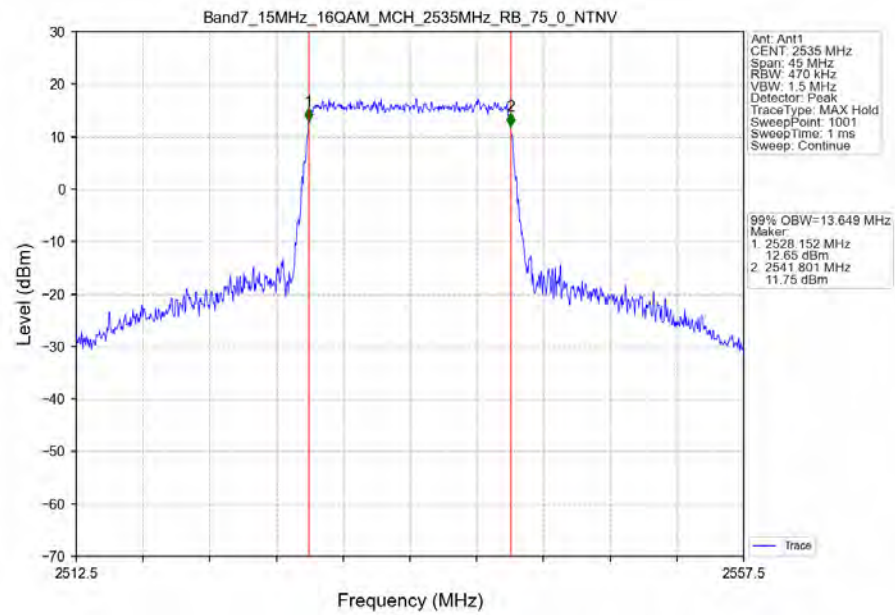
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



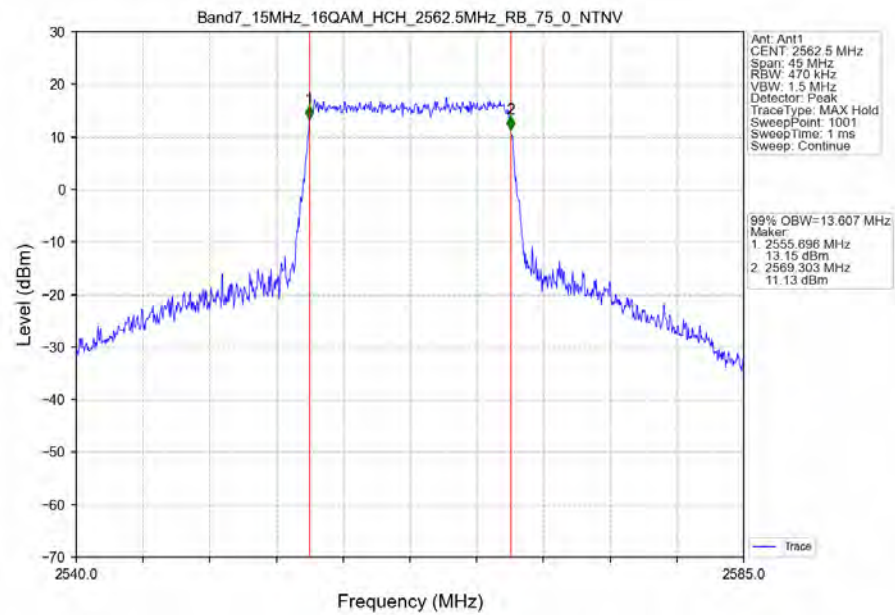
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



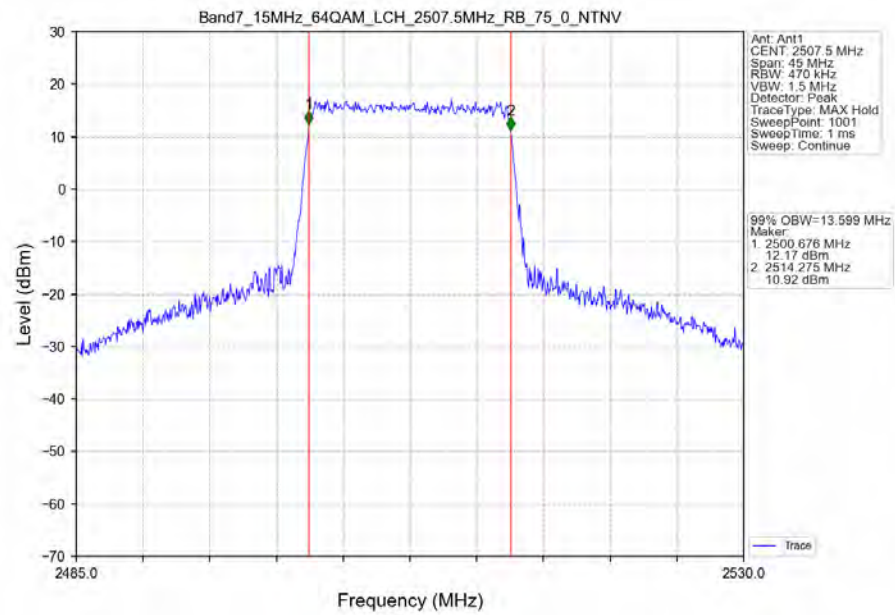
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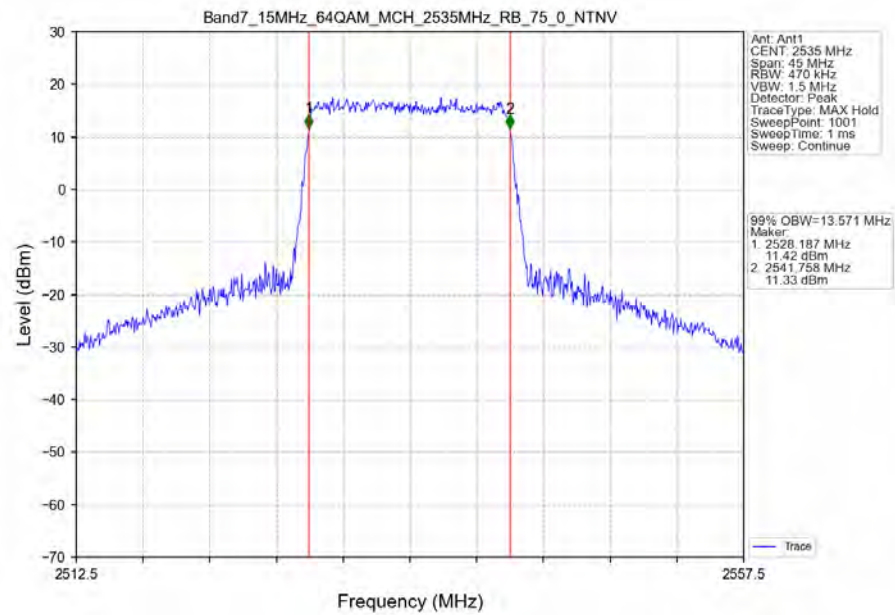
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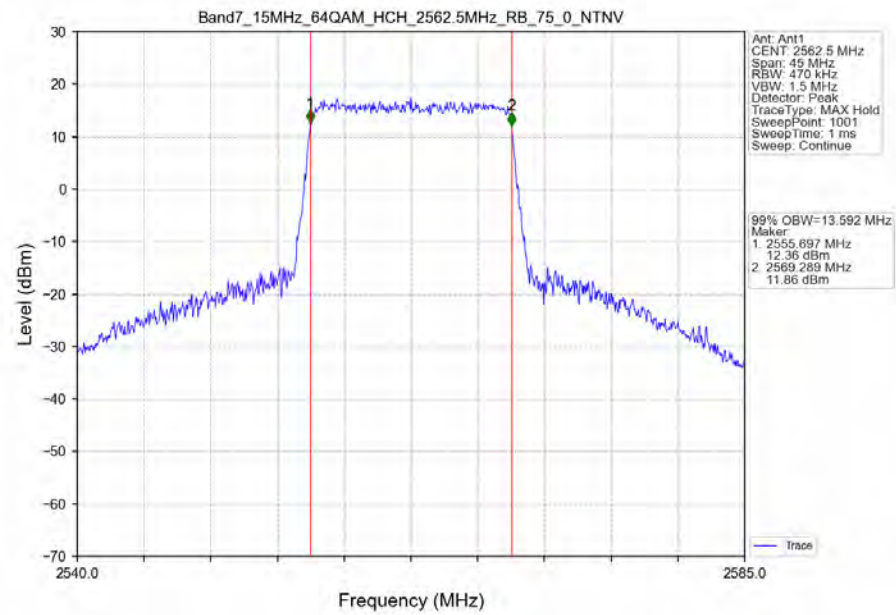
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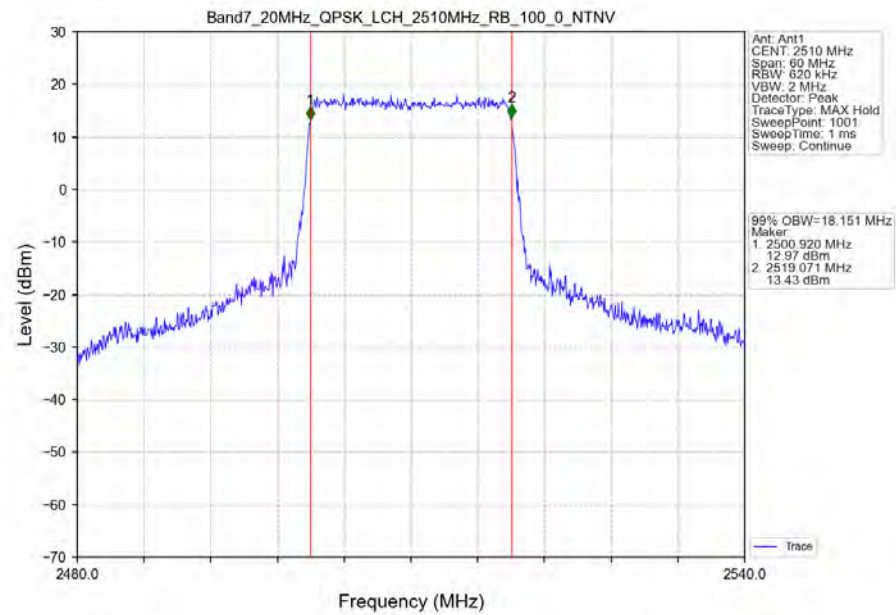
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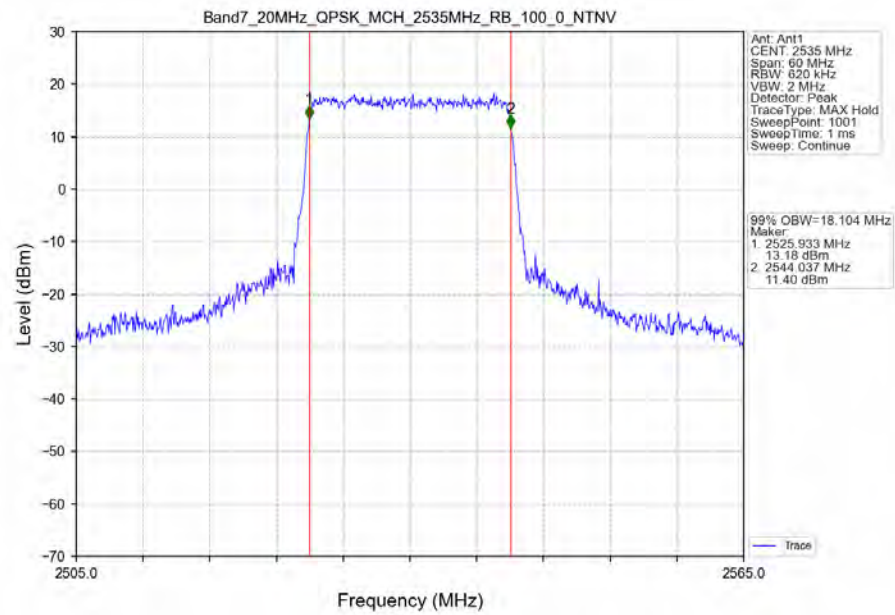
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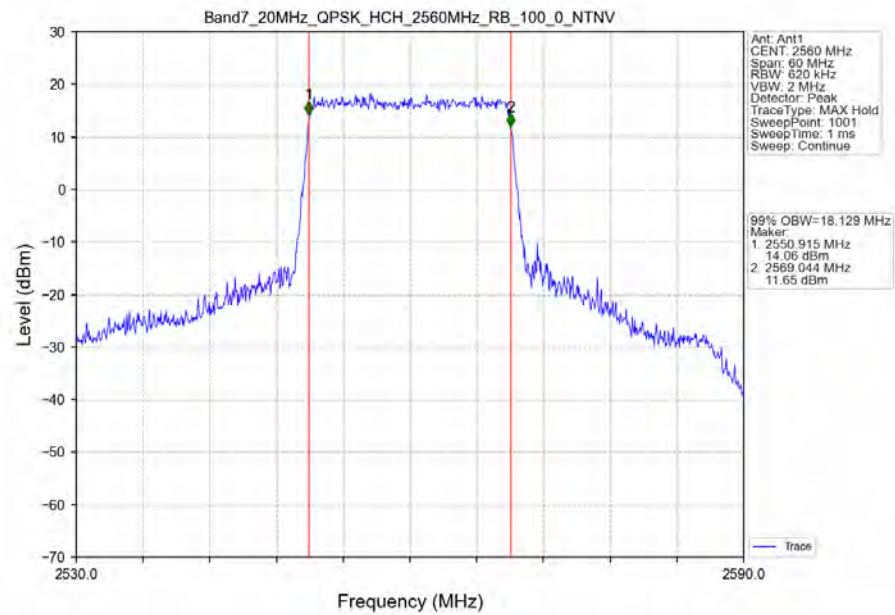
Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV



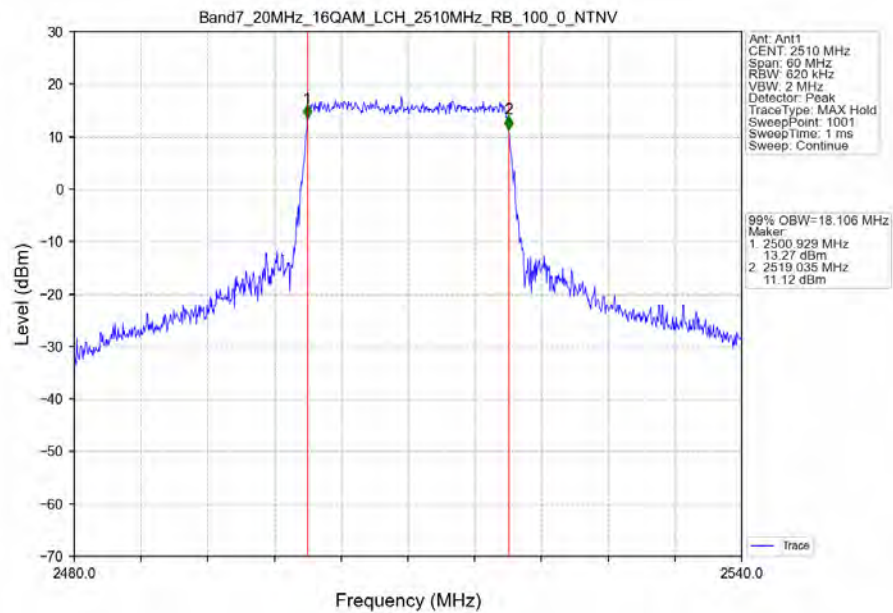
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



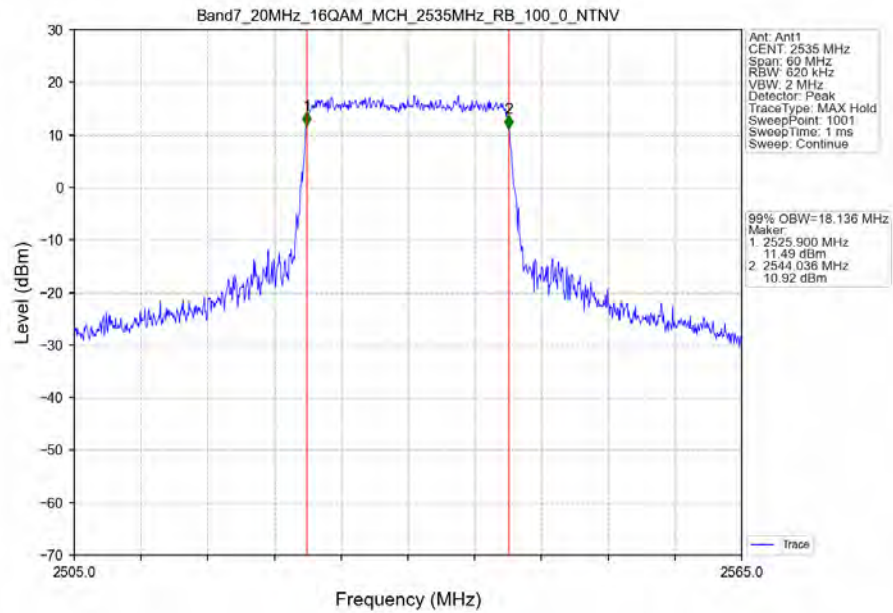
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



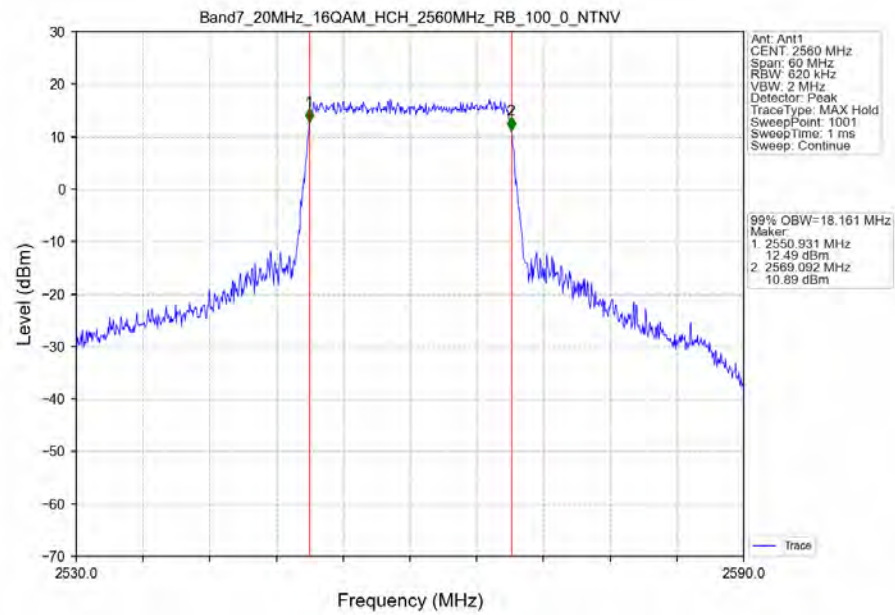
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



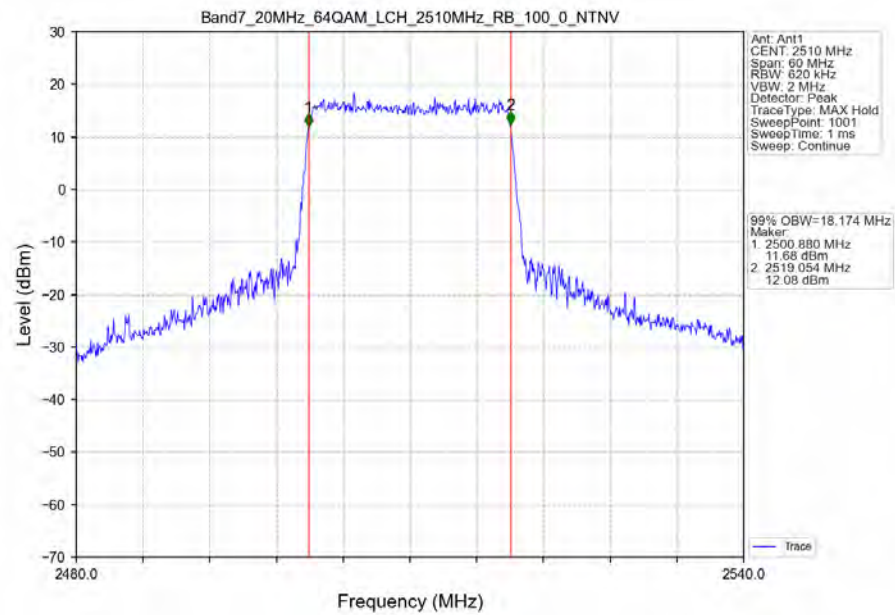
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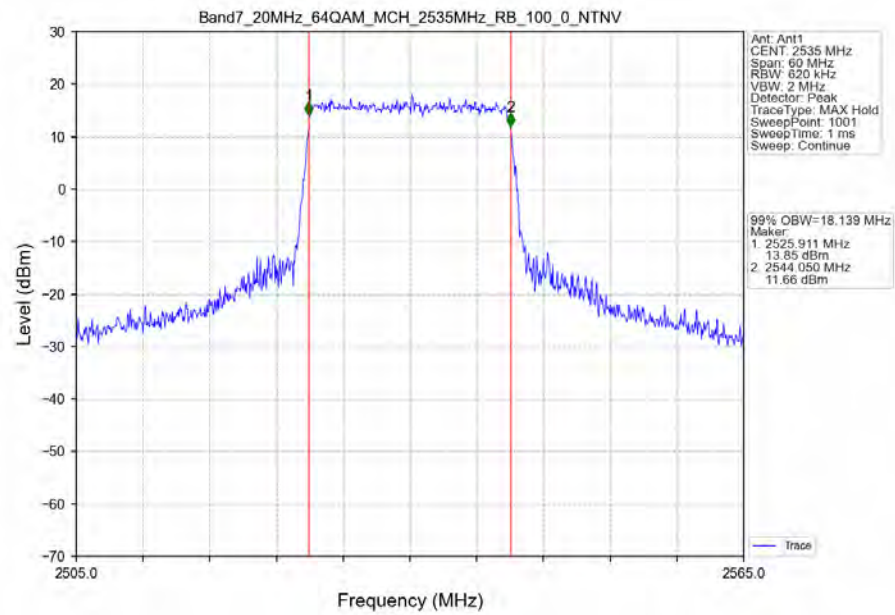
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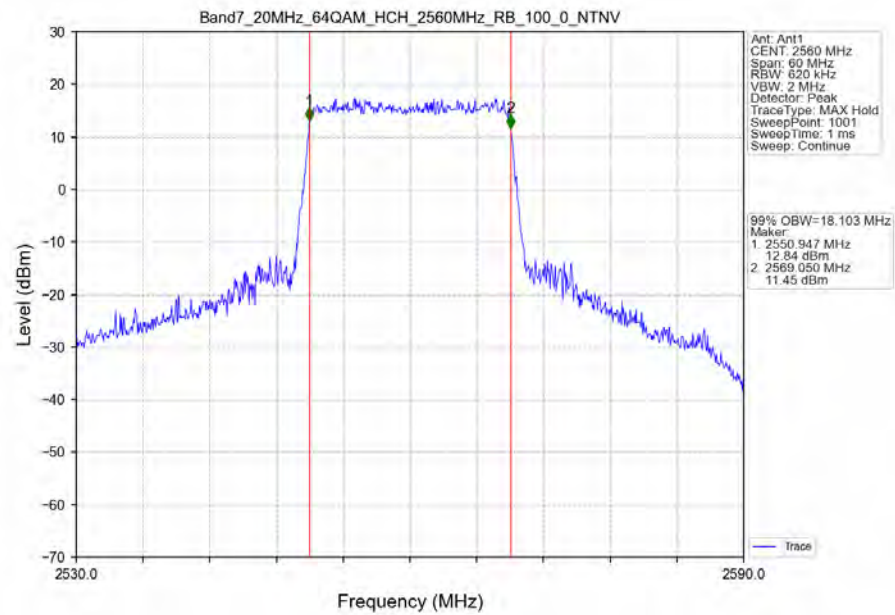
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Band7_20MHz_64QAM_MCH_2535MHz_RB_100_0_NTNV

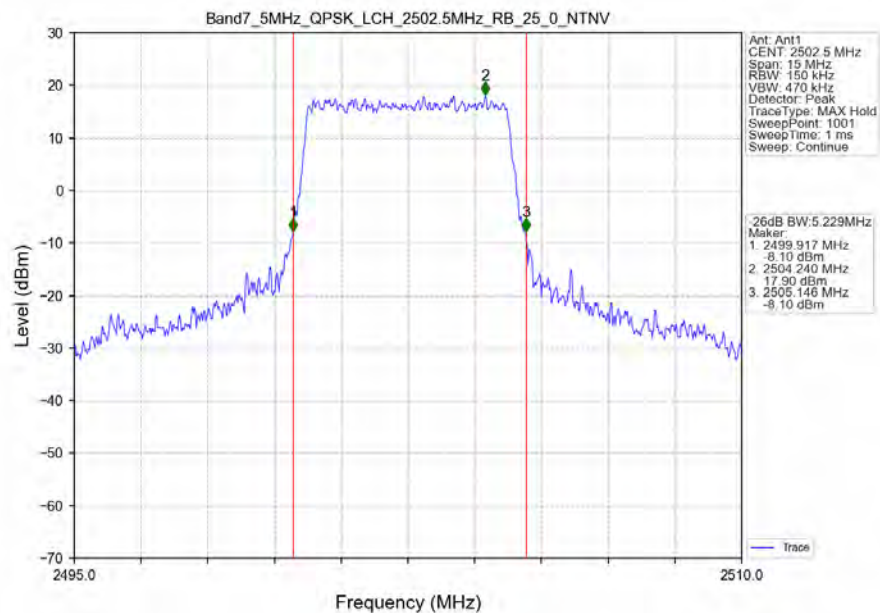


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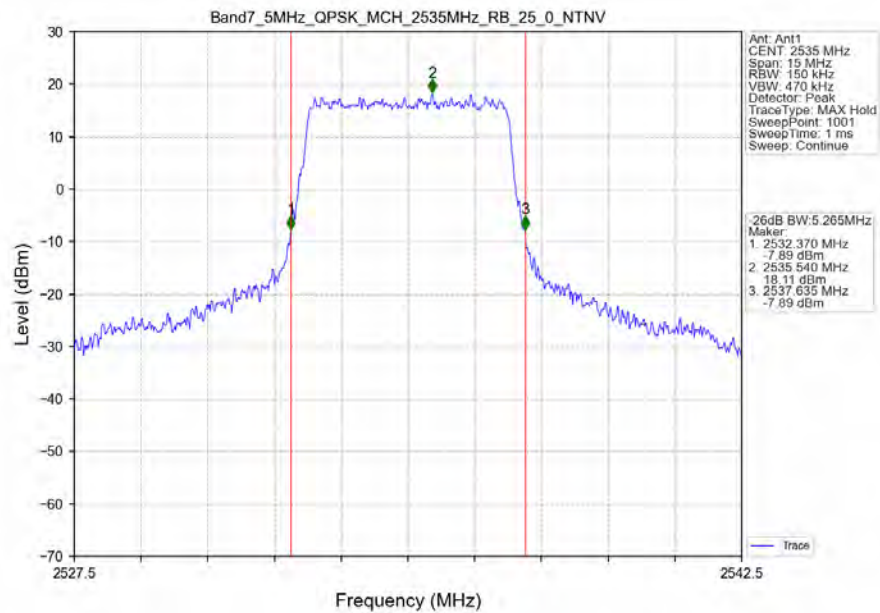


3.2.2 Band7_XDB

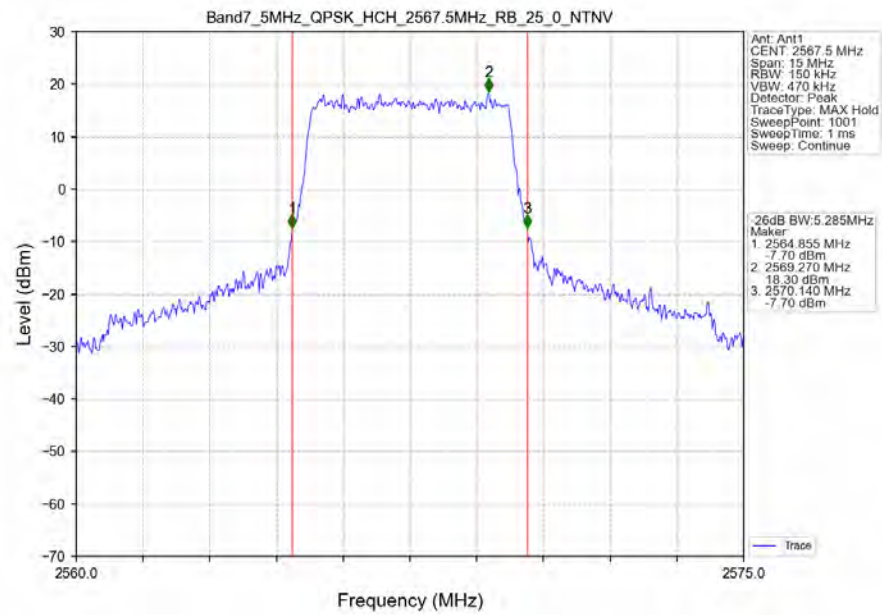
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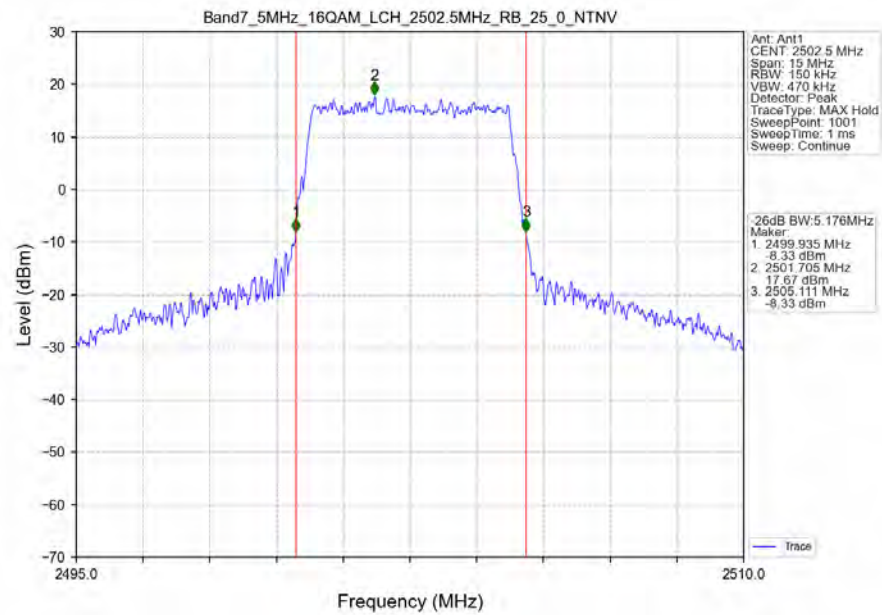
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



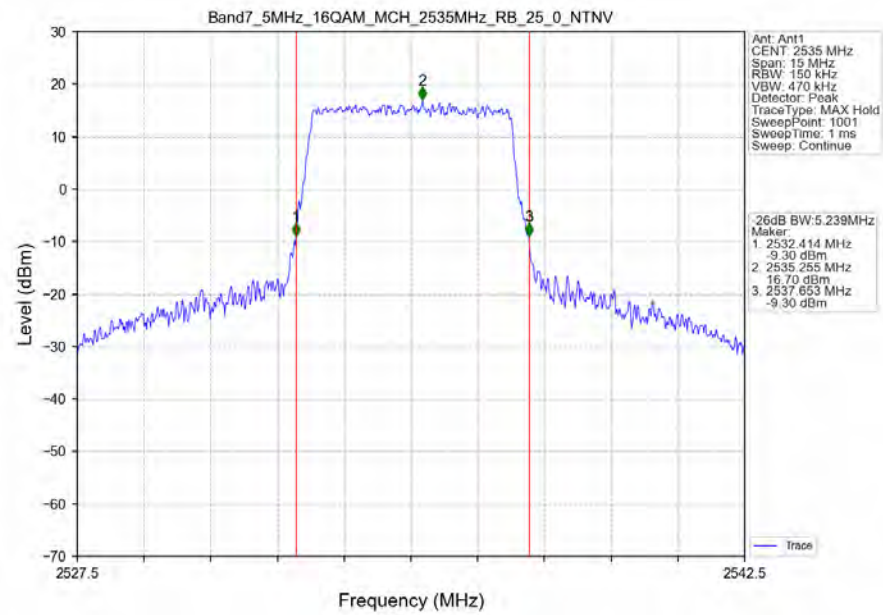
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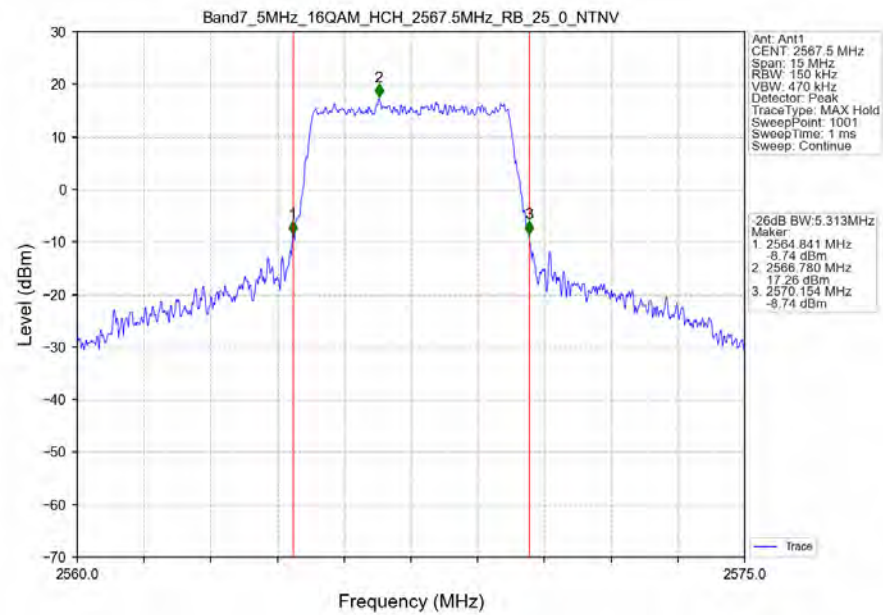
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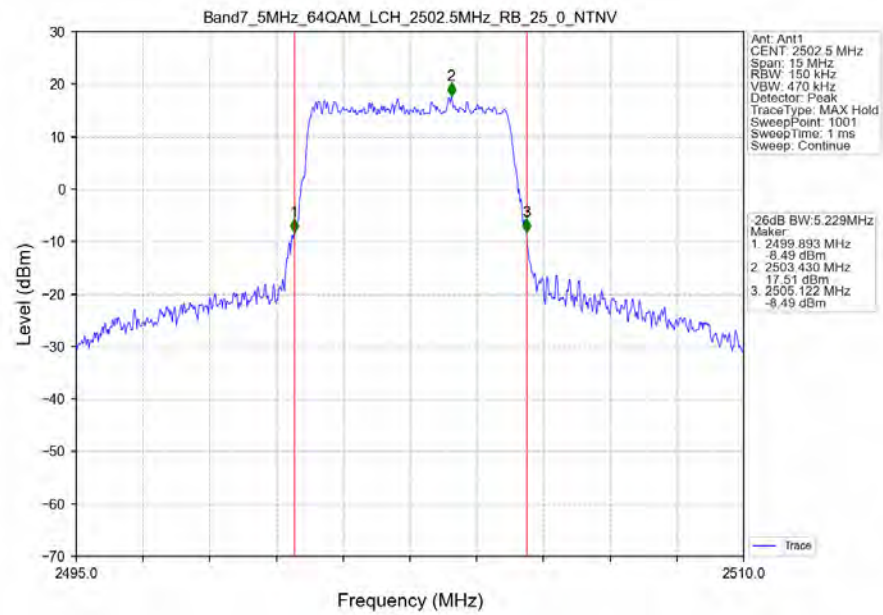
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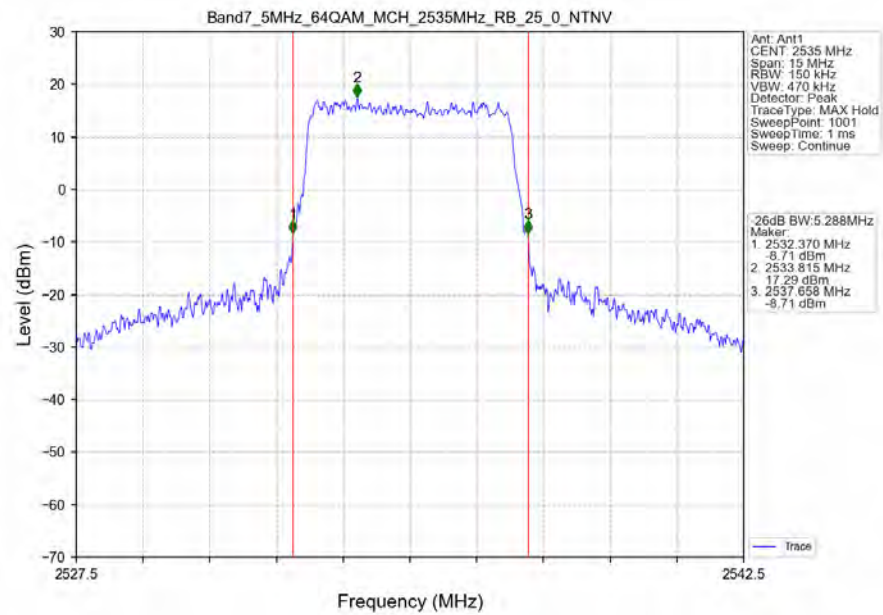
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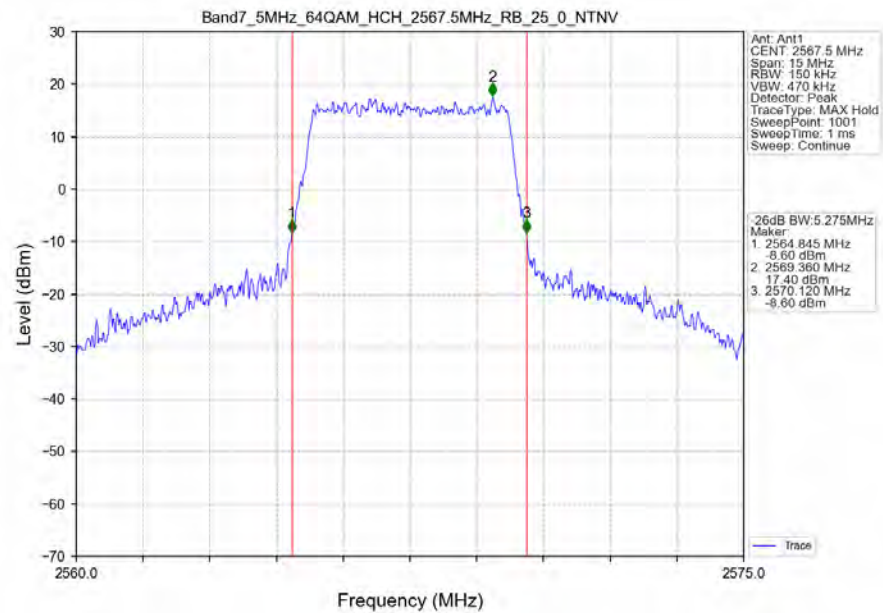
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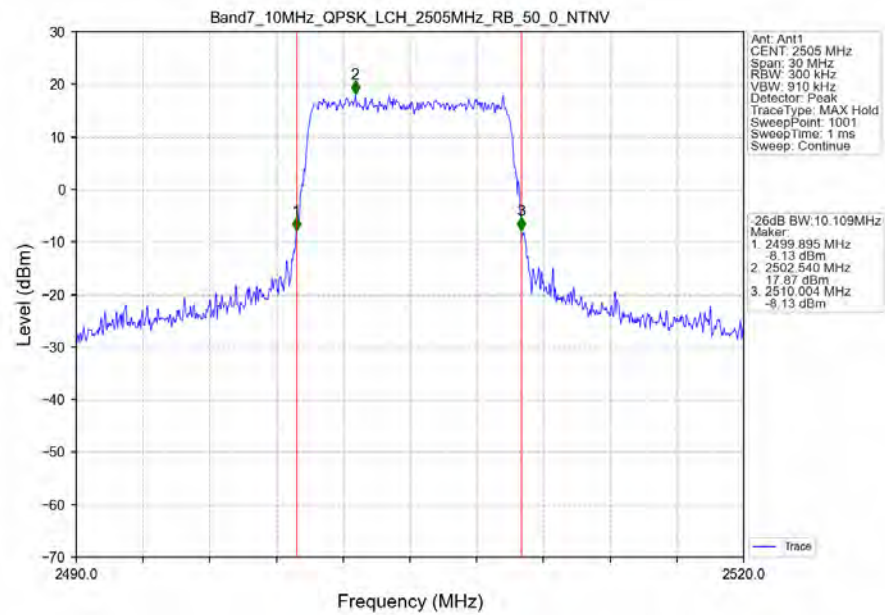
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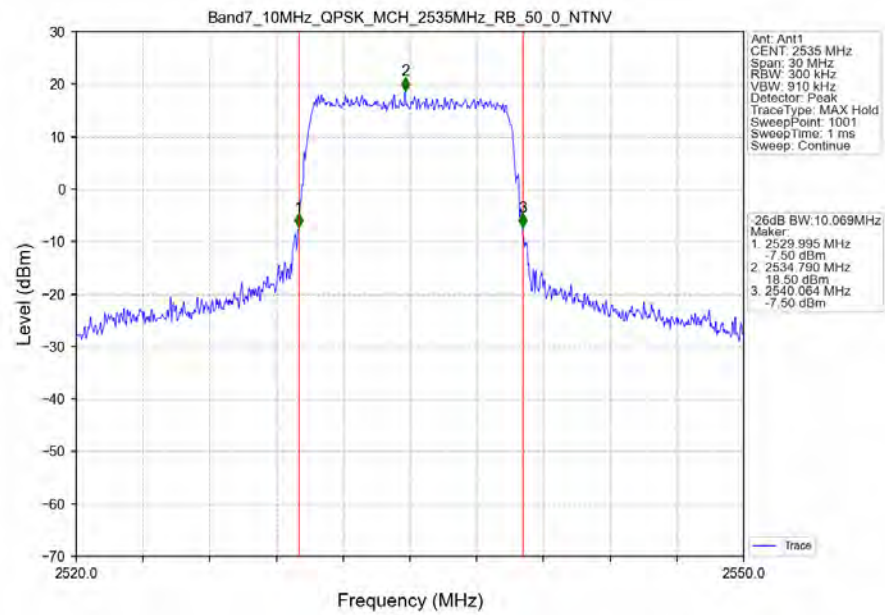
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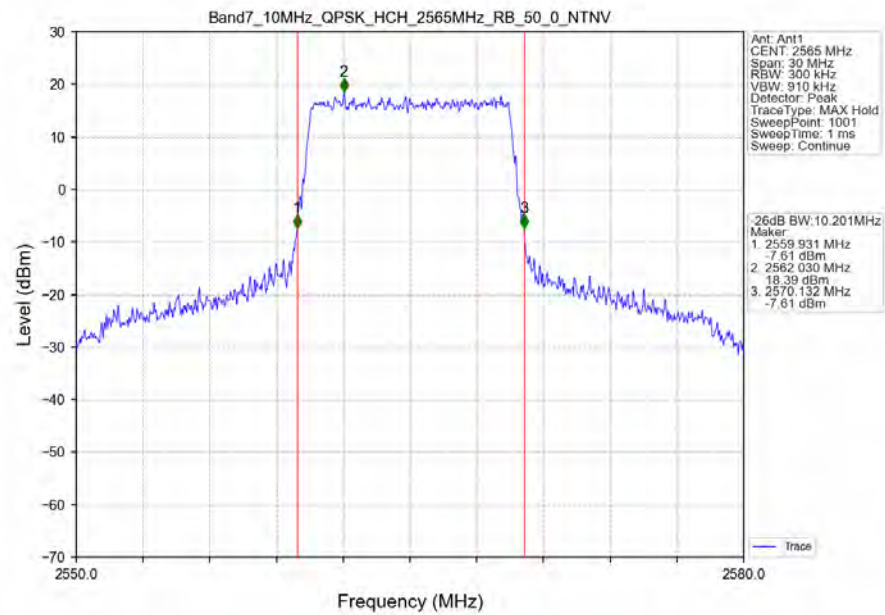
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



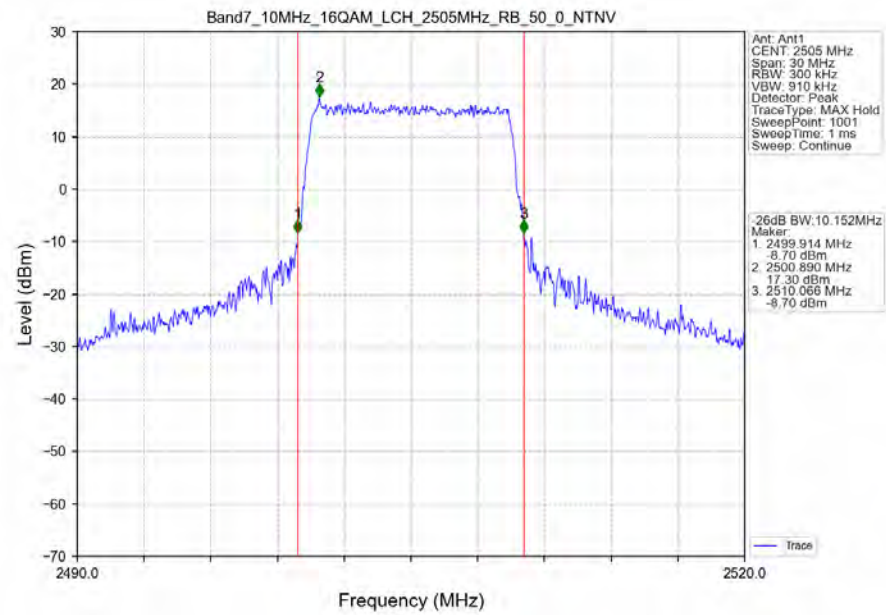
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



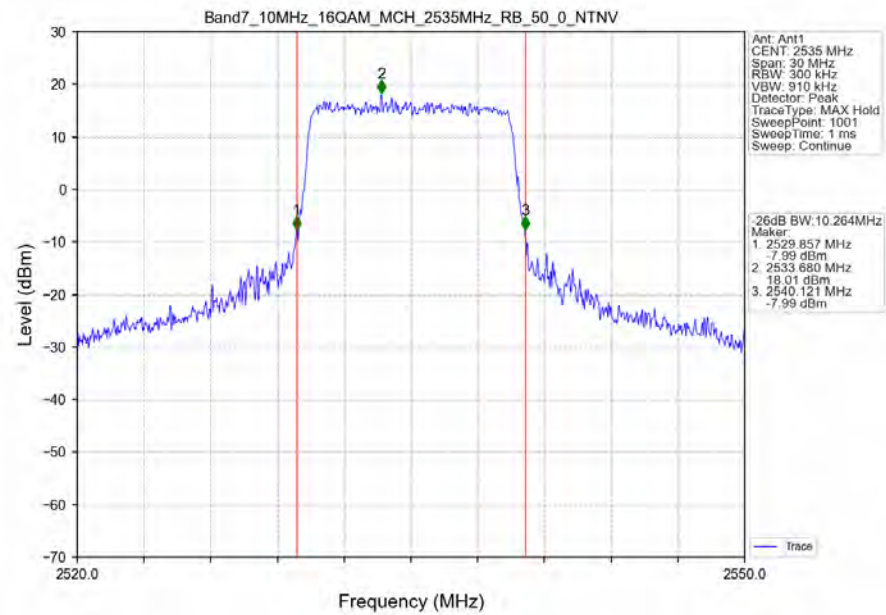
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



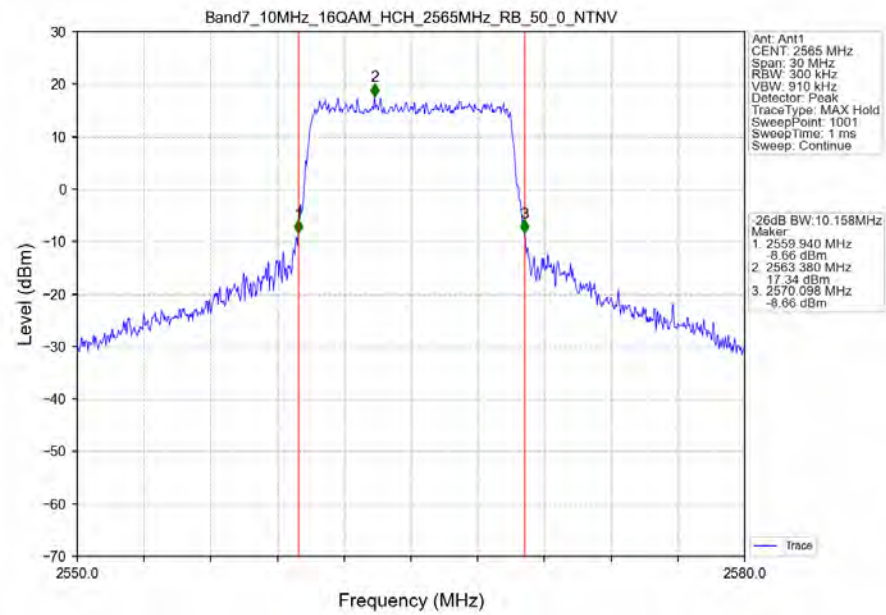
Band7_10MHz_16QAM_LCH_2505MHz_RB_50_0_NTNV



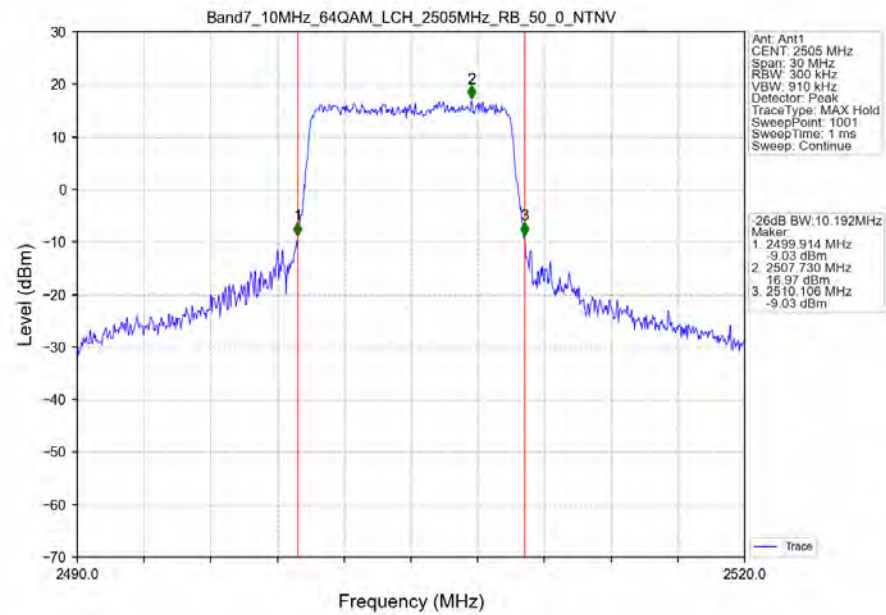
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



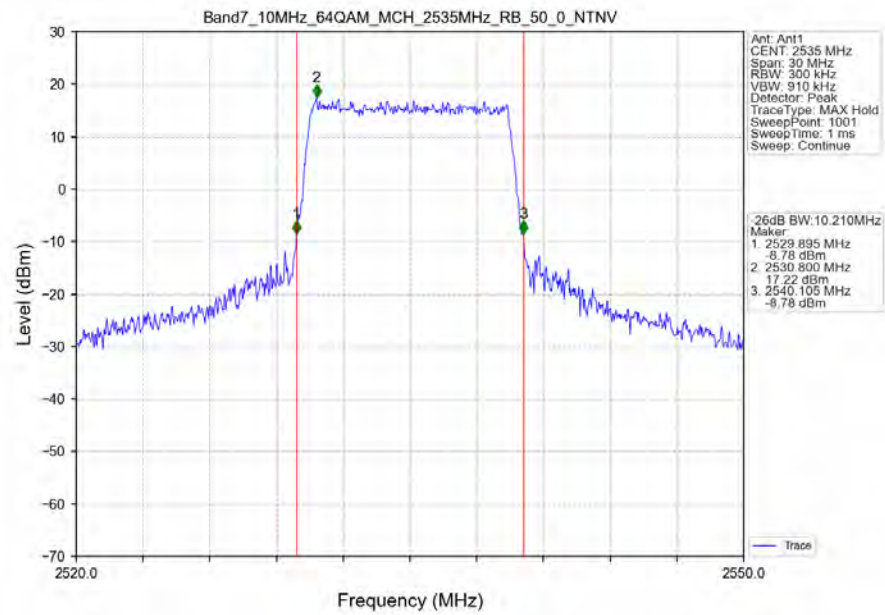
Band7_10MHz_16QAM_HCH_2565MHz_RB_50_0_NTNV



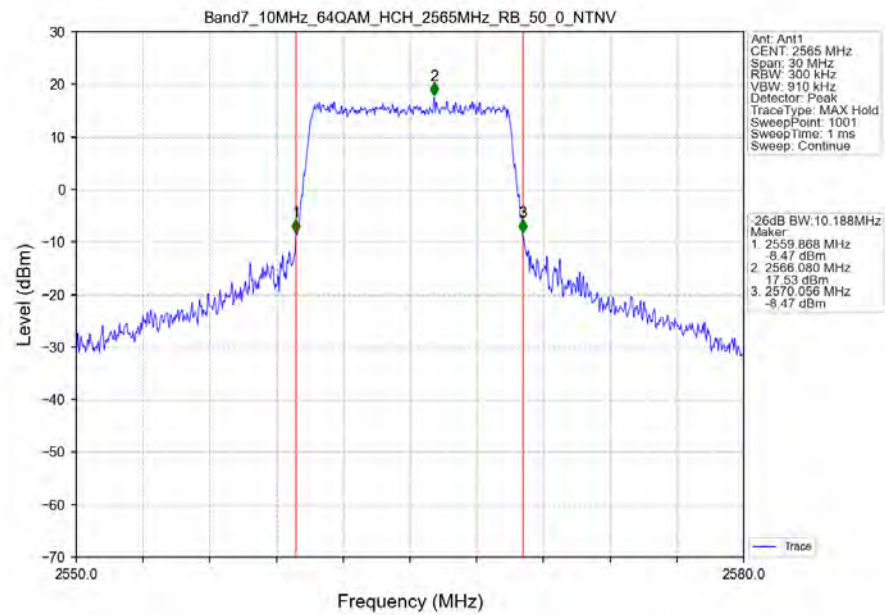
Band7_10MHz_64QAM_LCH_2505MHz_RB_50_0_NTNV



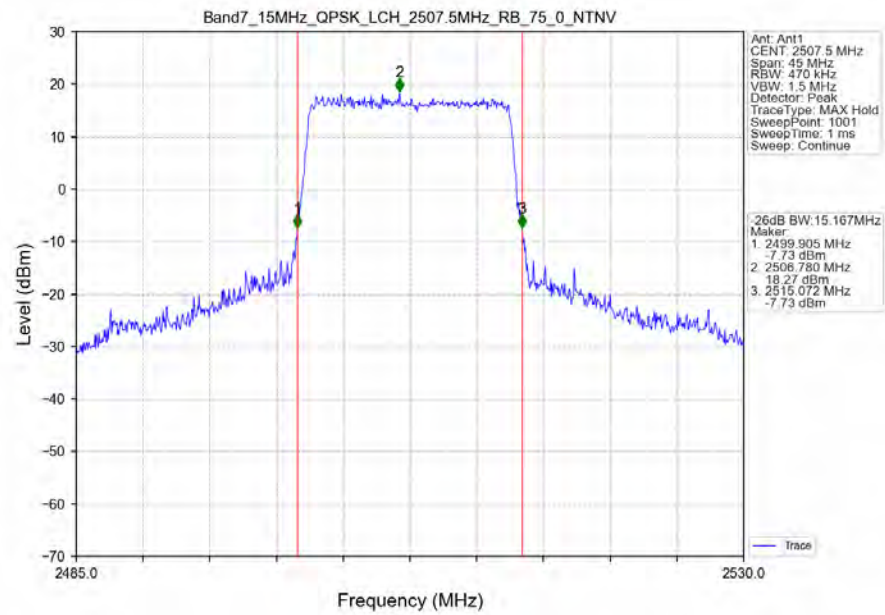
Band7_10MHz_64QAM_MCH_2535MHz_RB_50_0_NTNV



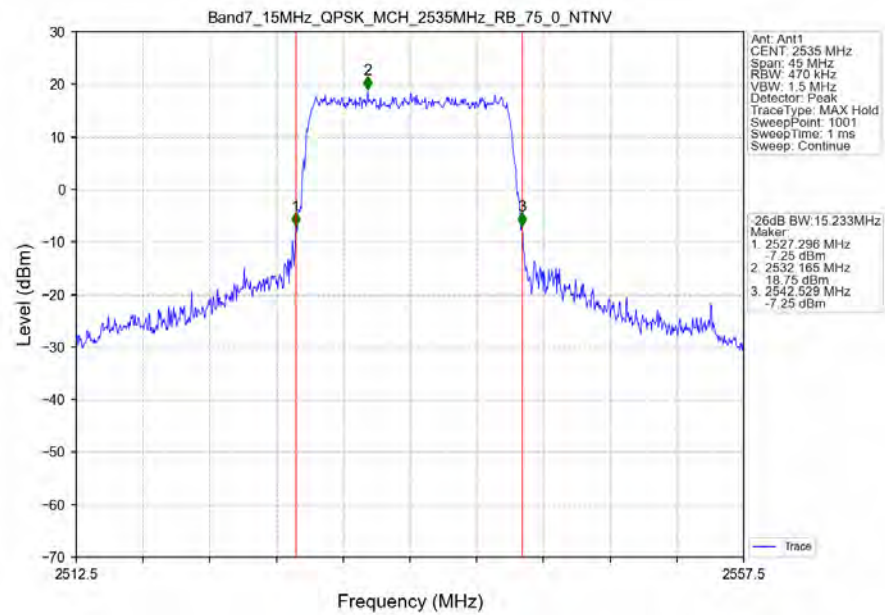
Band7_10MHz_64QAM_HCH_2565MHz_RB_50_0_NTNV



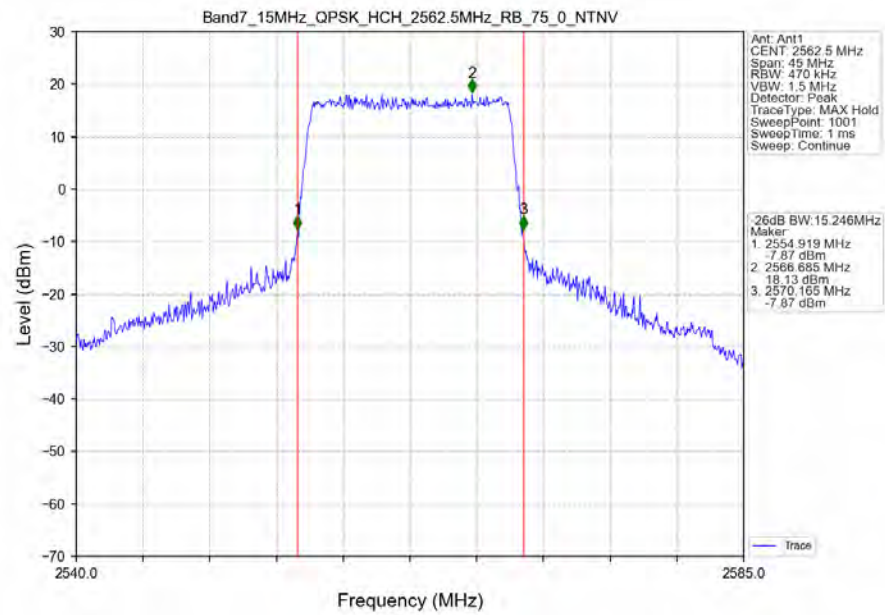
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



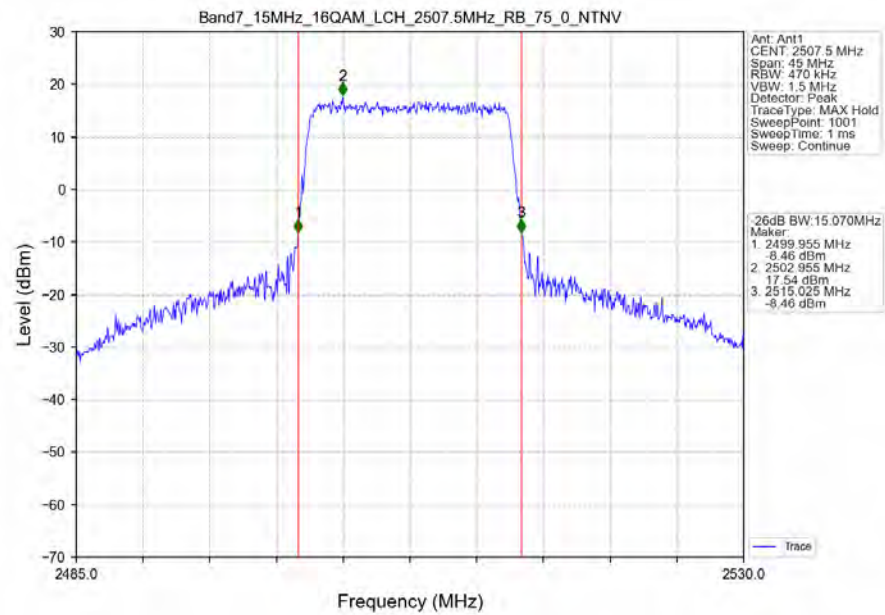
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



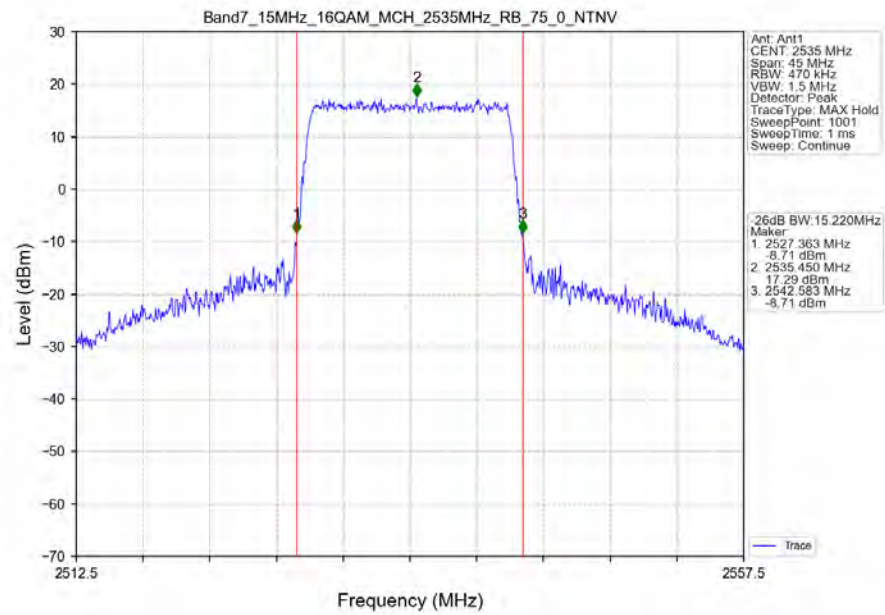
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



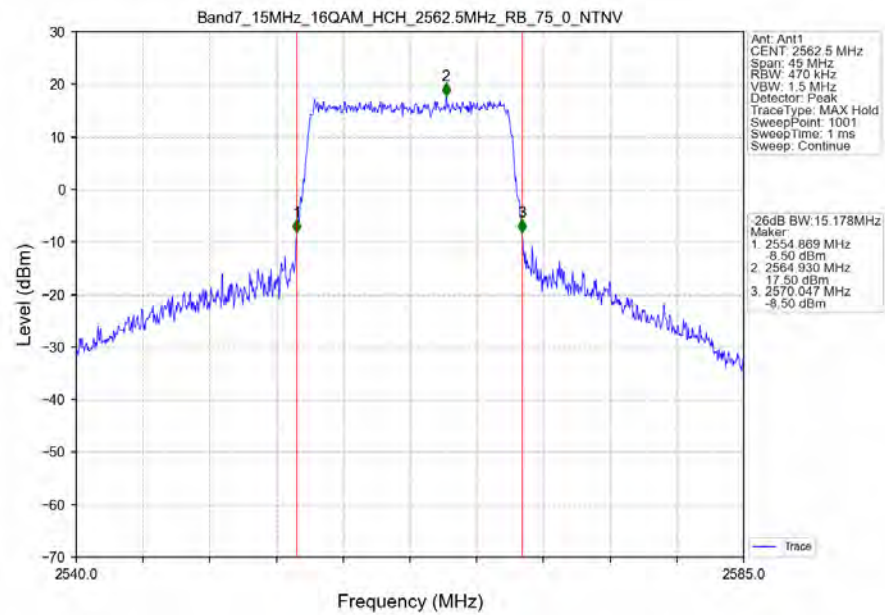
Band7_15MHz_16QAM_LCH_2507.5MHz_RB_75_0_NTNV



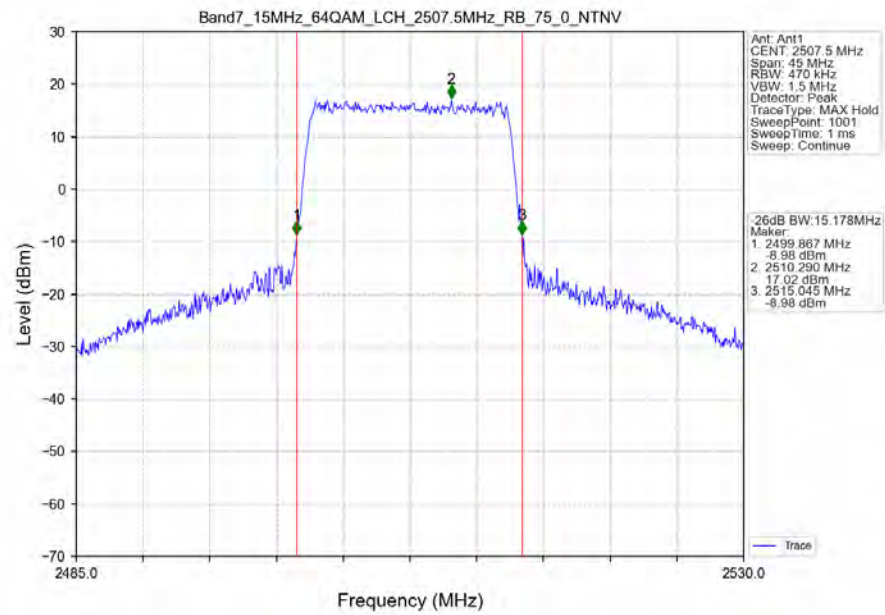
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



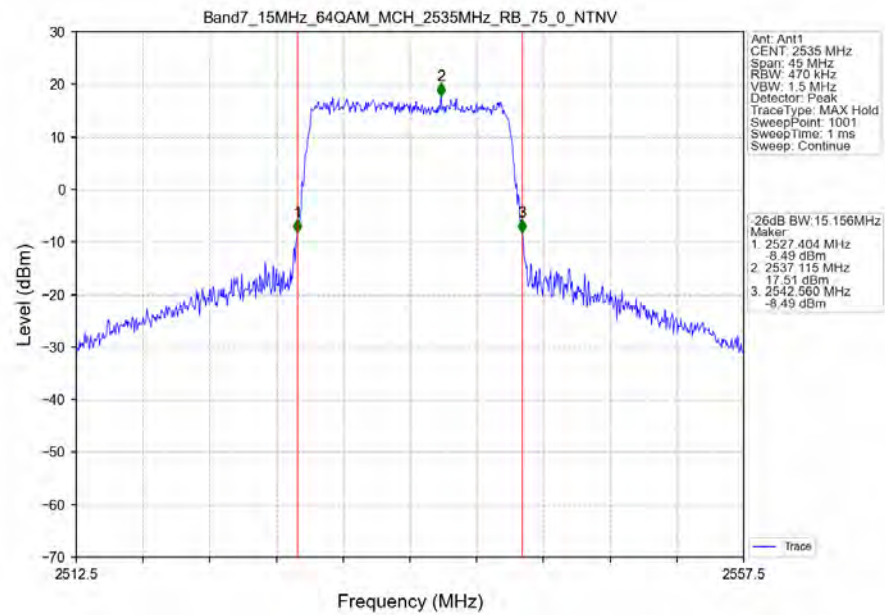
Band7_15MHz_16QAM_HCH_2562.5MHz_RB_75_0_NTNV



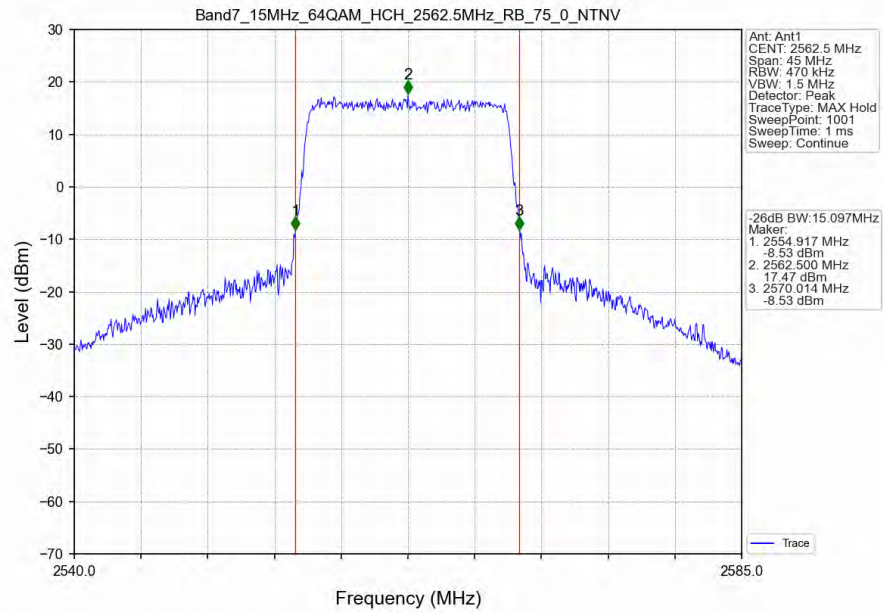
Band7_15MHz_64QAM_LCH_2507.5MHz_RB_75_0_NTNV



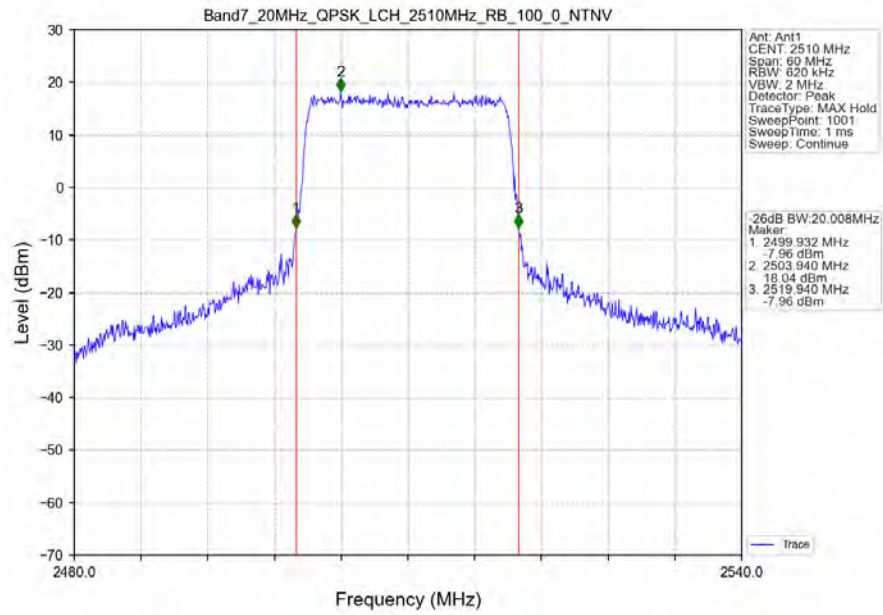
Band7_15MHz_64QAM_MCH_2535MHz_RB_75_0_NTNV



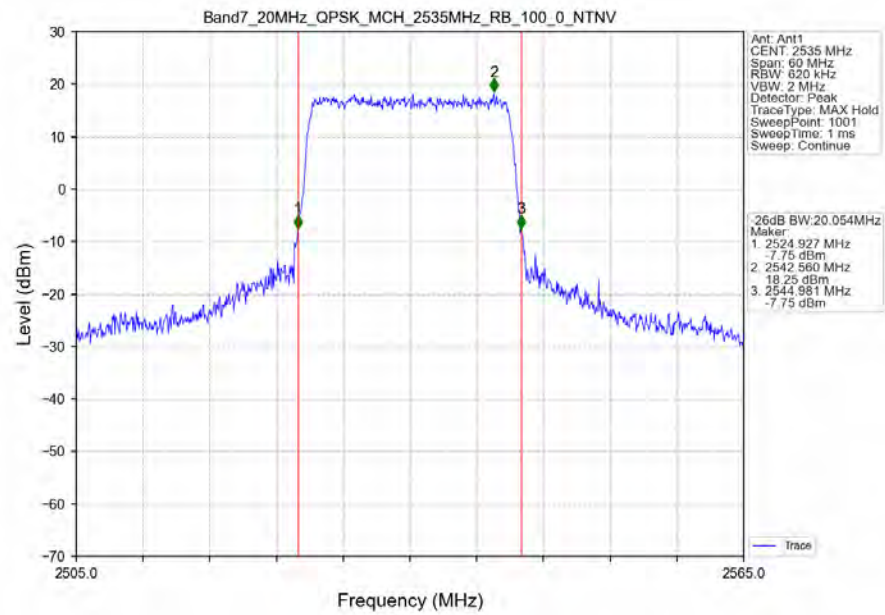
Band7 15MHz 64QAM HCH 2562.5MHz RB 75_0 NTN



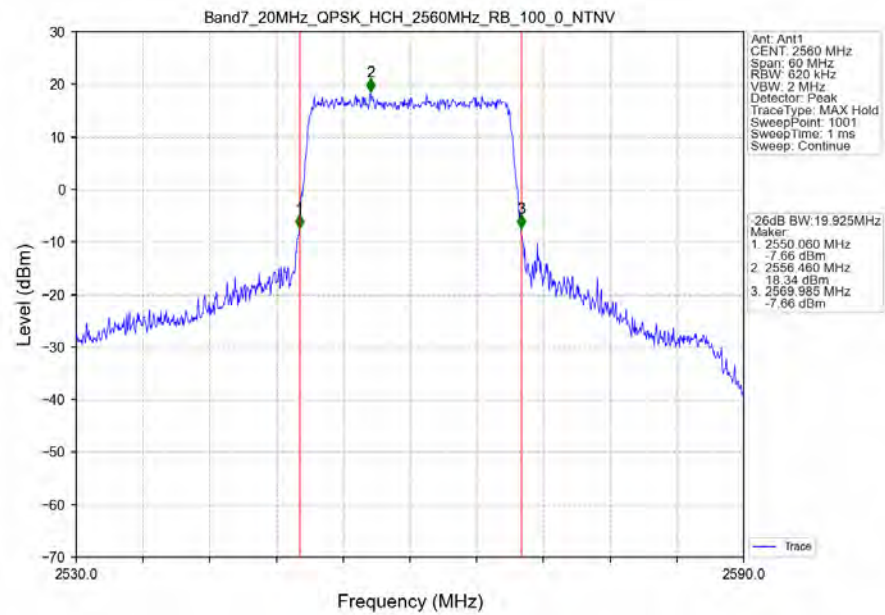
Band7 20MHz QPSK LCH 2510MHz RB 100_0 NTN



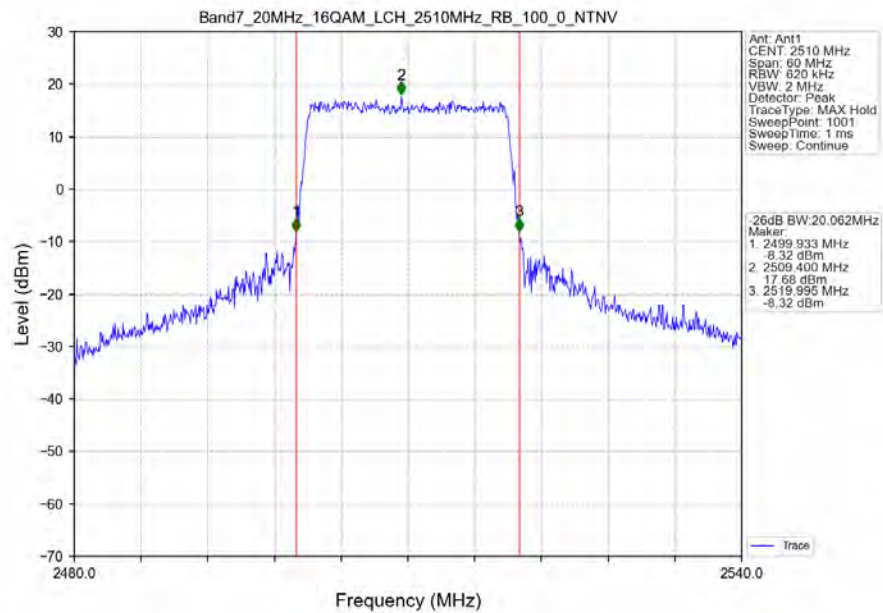
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



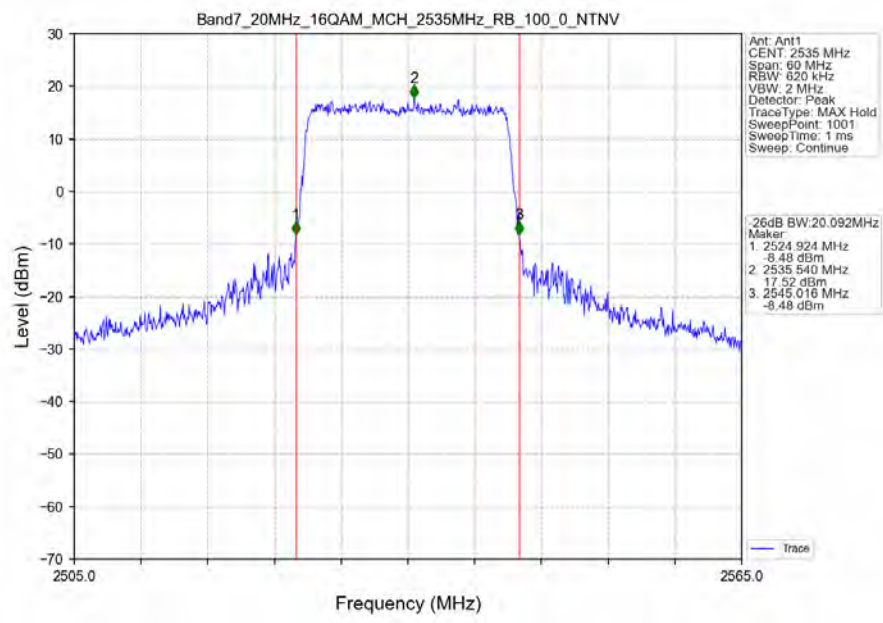
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



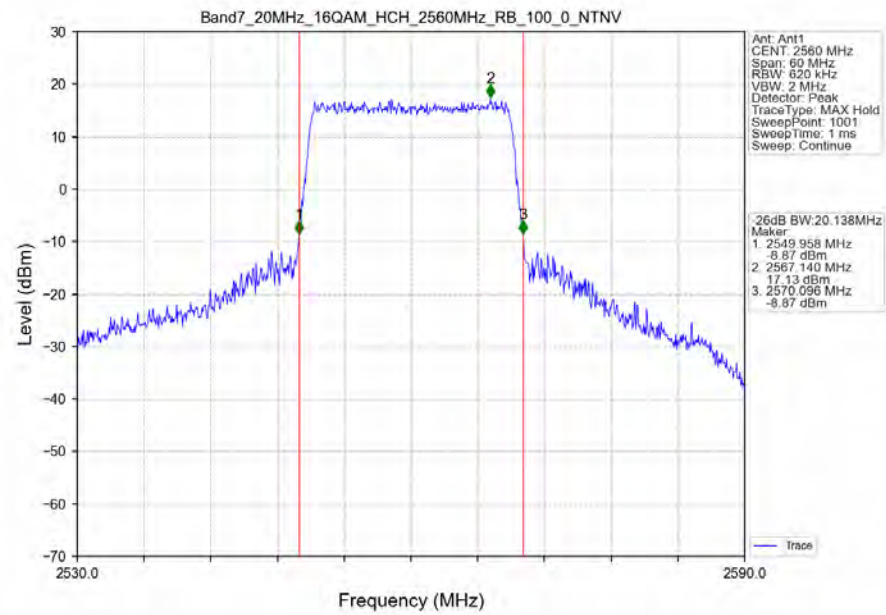
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



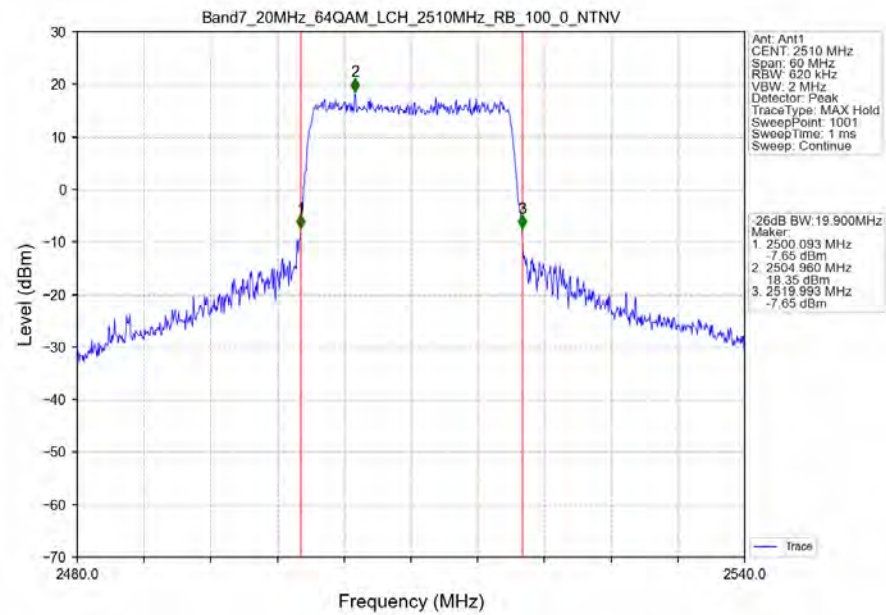
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



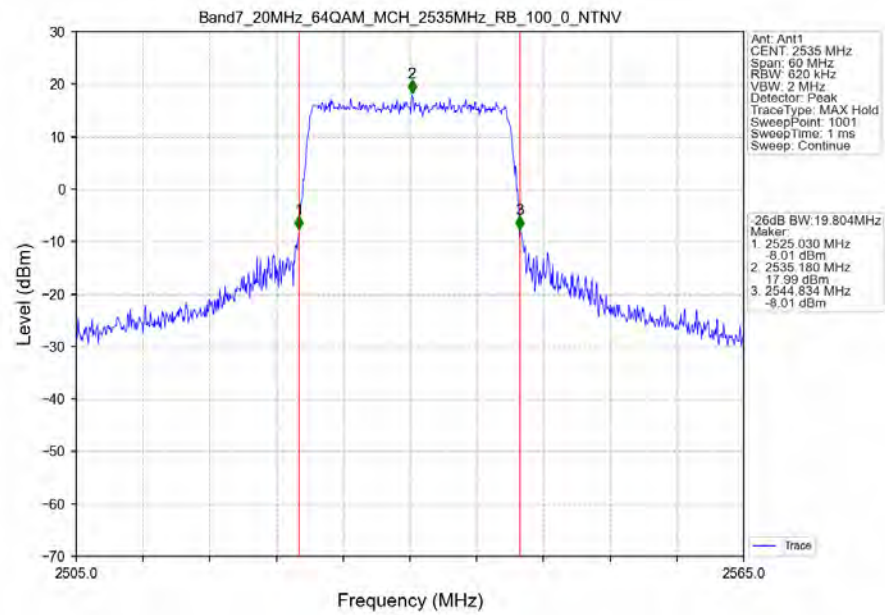
Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV



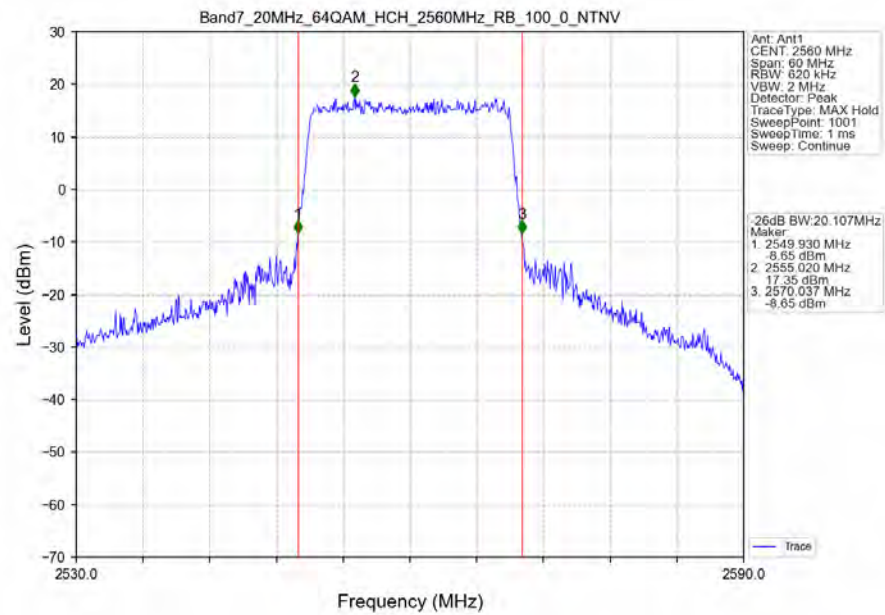
Band7_20MHz_64QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_64QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_64QAM_HCH_2560MHz_RB_100_0_NTNV



4. Peak-Average Ratio

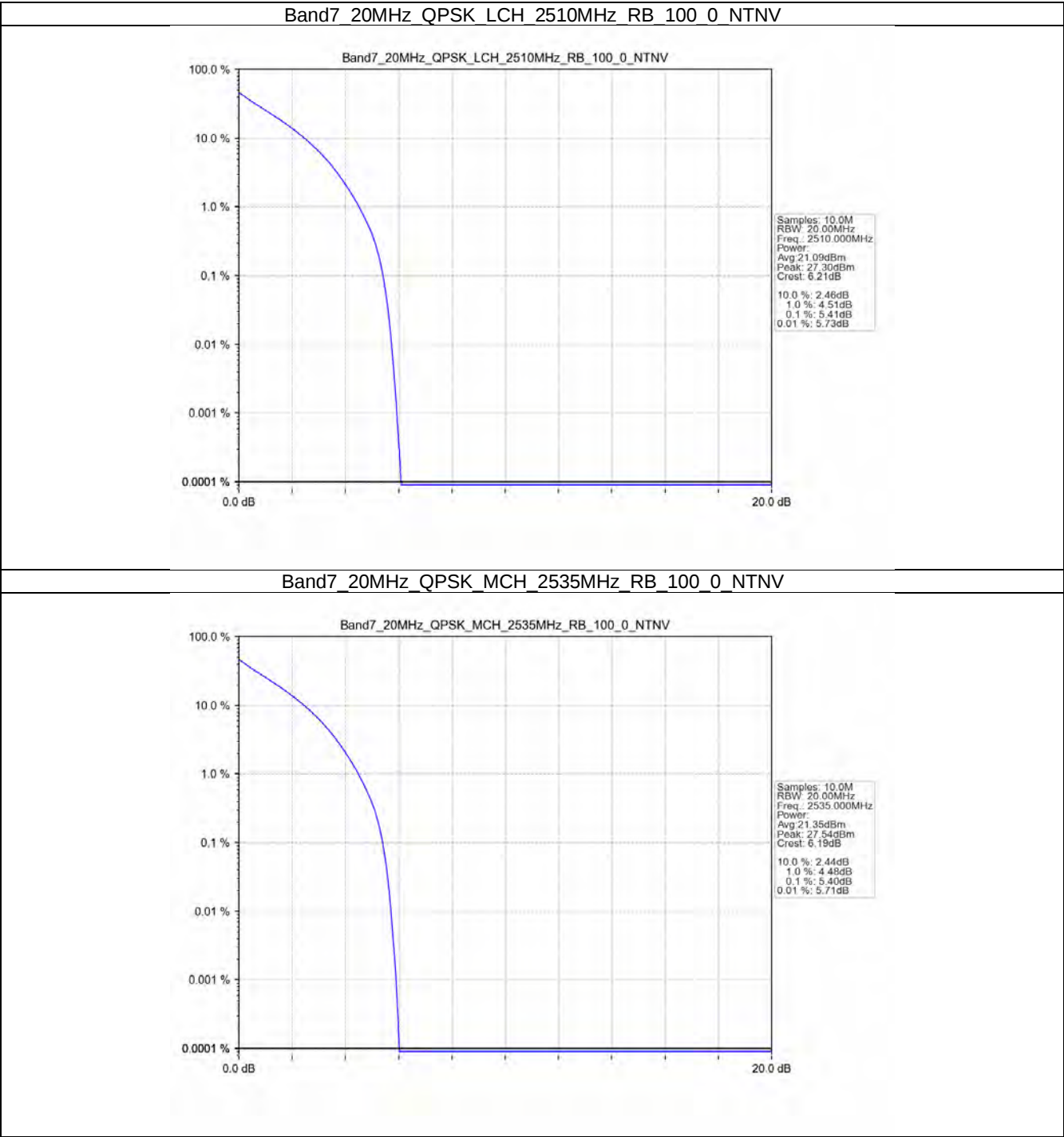
4.1 Test Result

4.1.1 B7_20MHz

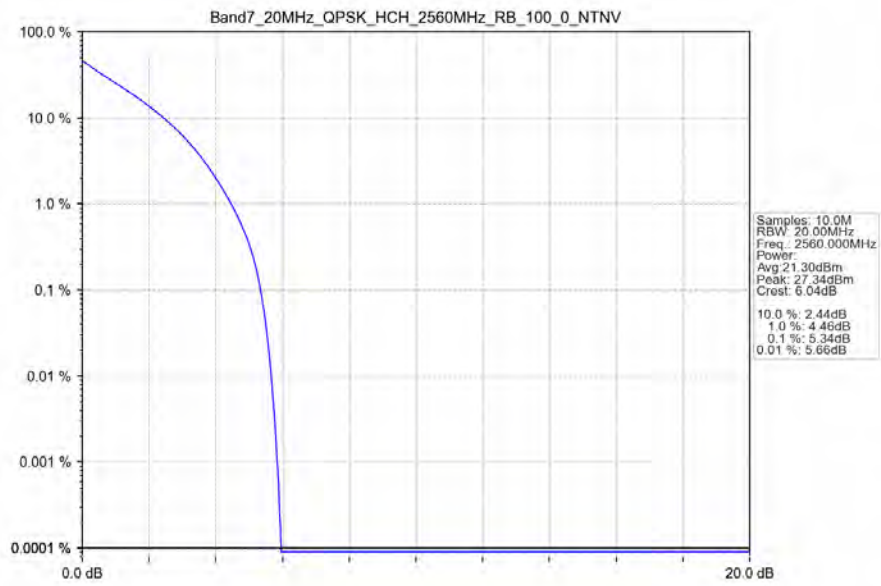
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.41	<=13	Pass
	2535	100	0	5.40	<=13	Pass
	2560	100	0	5.34	<=13	Pass
16QAM	2510	100	0	6.22	<=13	Pass
	2535	100	0	6.23	<=13	Pass
	2560	100	0	6.19	<=13	Pass
64QAM	2510	100	0	6.21	<=13	Pass
	2535	100	0	6.19	<=13	Pass
	2560	100	0	6.17	<=13	Pass

4.2 Test Graph

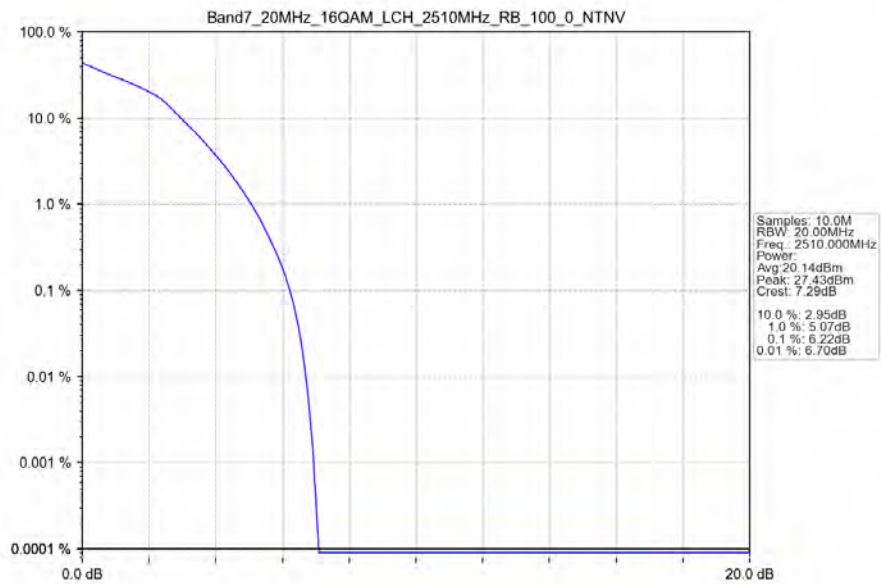
4.2.1 B7_20MHz



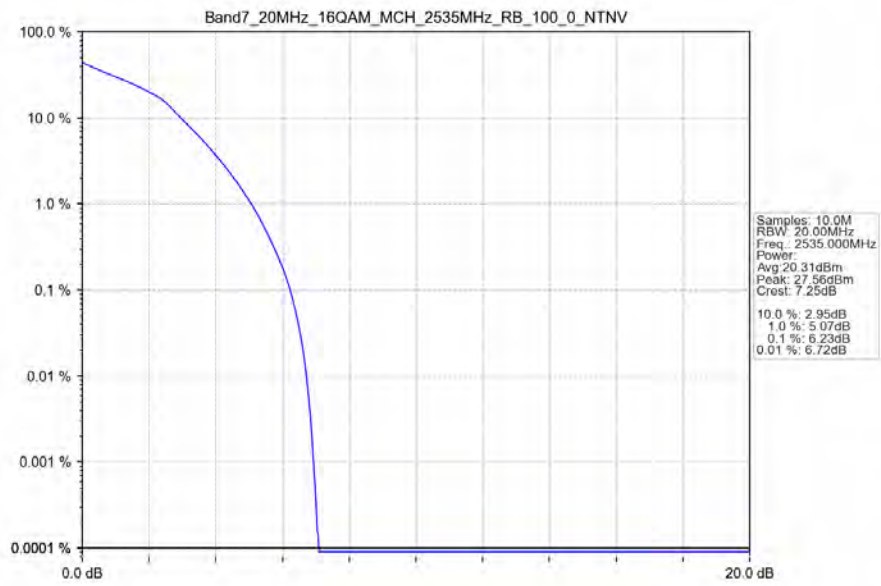
Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



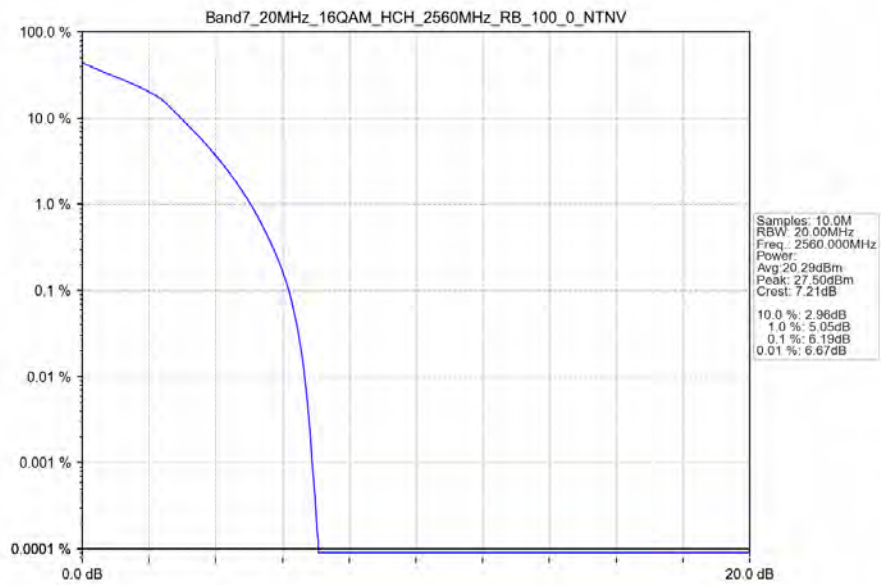
Band7_20MHz_16QAM_LCH_2510MHz_RB_100_0_NTNV



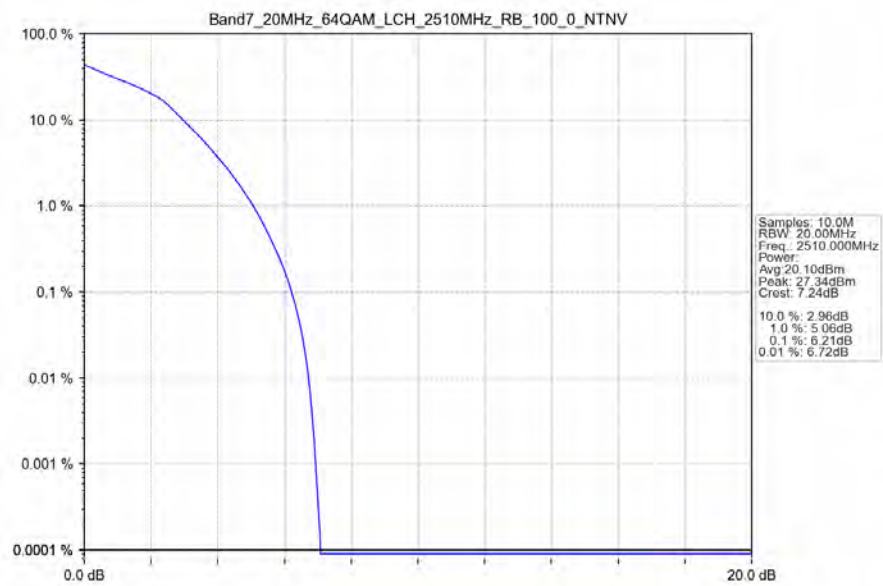
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



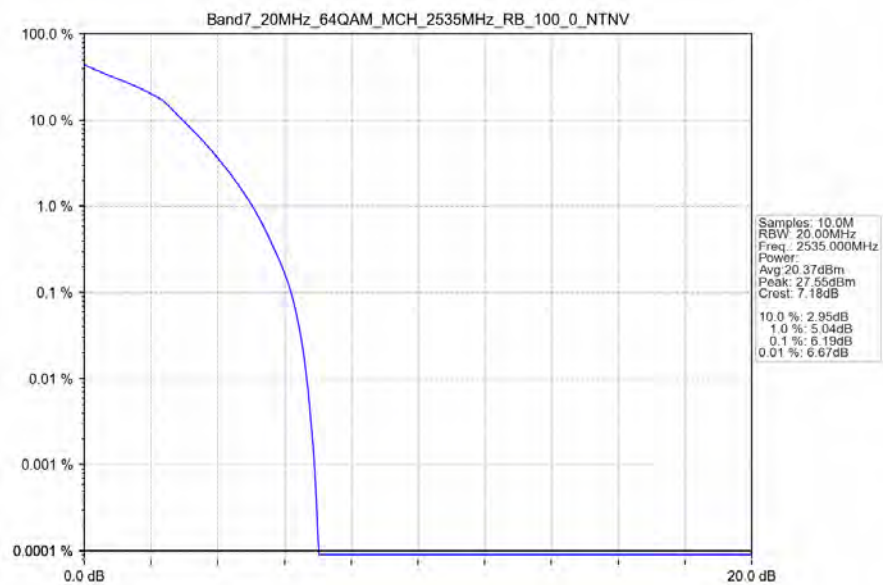
Band7_20MHz_16QAM_HCH_2560MHz_RB_100_0_NTNV



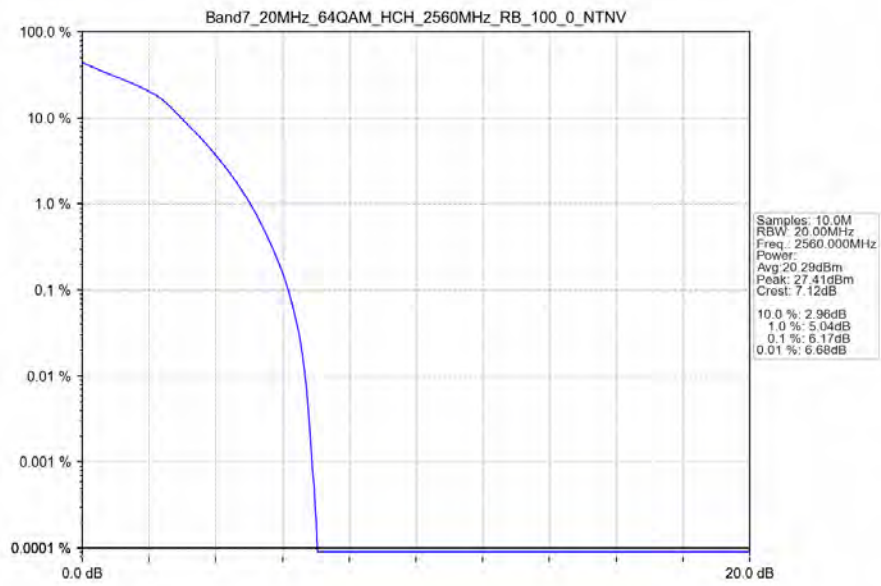
Band7_20MHz_64QAM_LCH_2510MHz_RB_100_0_NTNV



Band7_20MHz_64QAM_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_64QAM_HCH_2560MHz_RB_100_0_NTNV



5. Spurious Emission & Band Edges

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

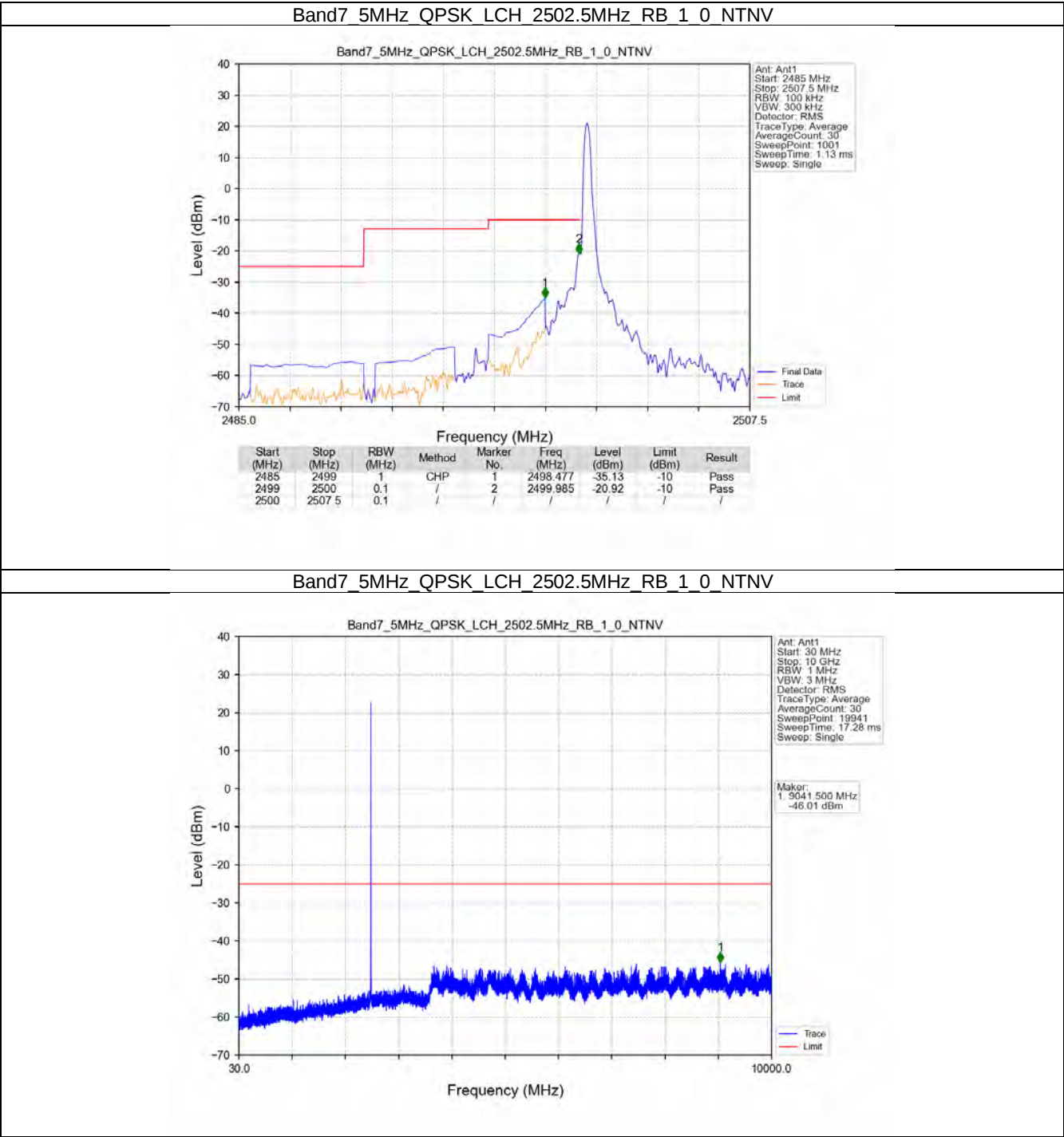
Band: 7 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B7_20MHz

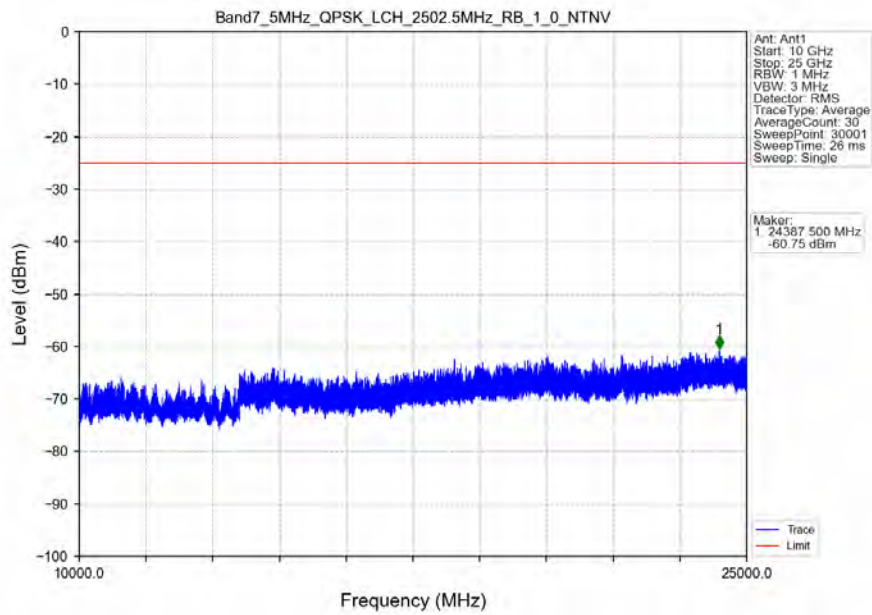
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

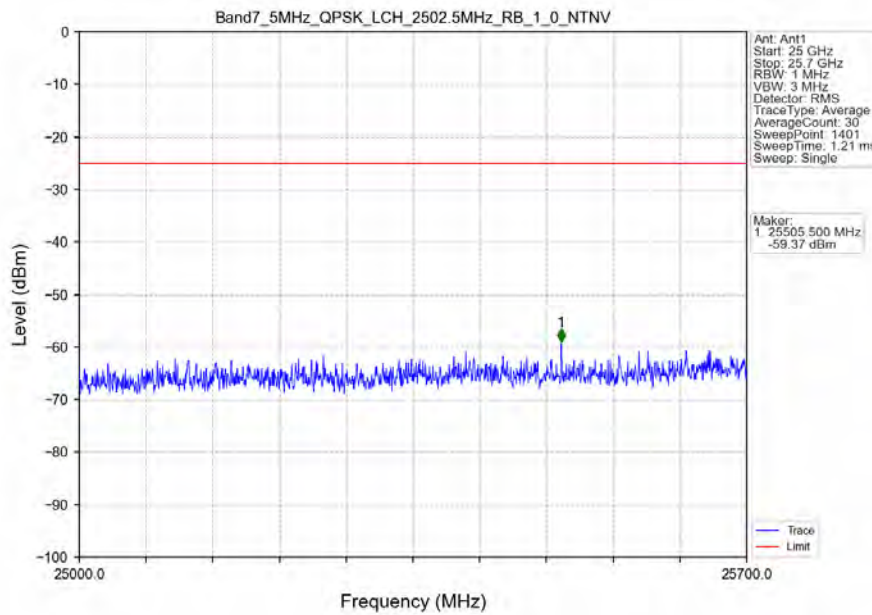
5.2.1 B7_5MHz



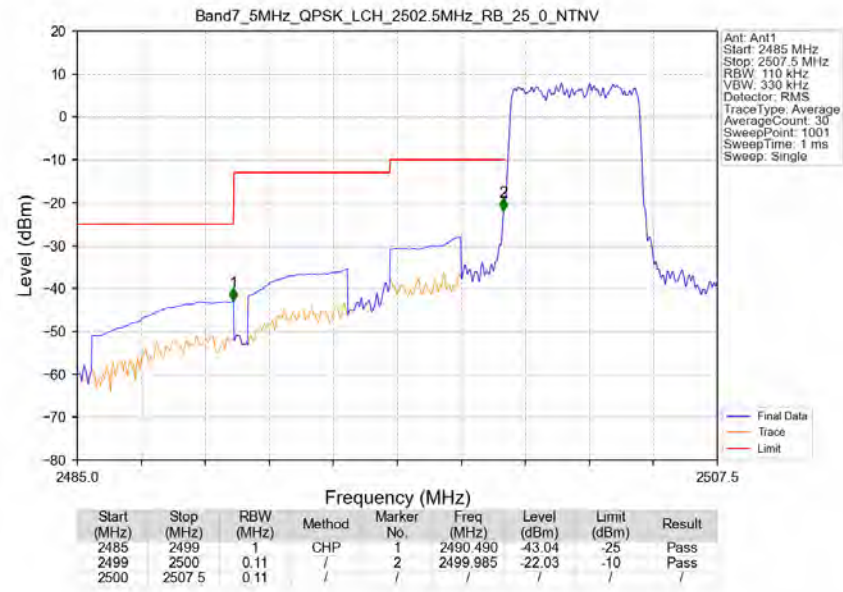
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



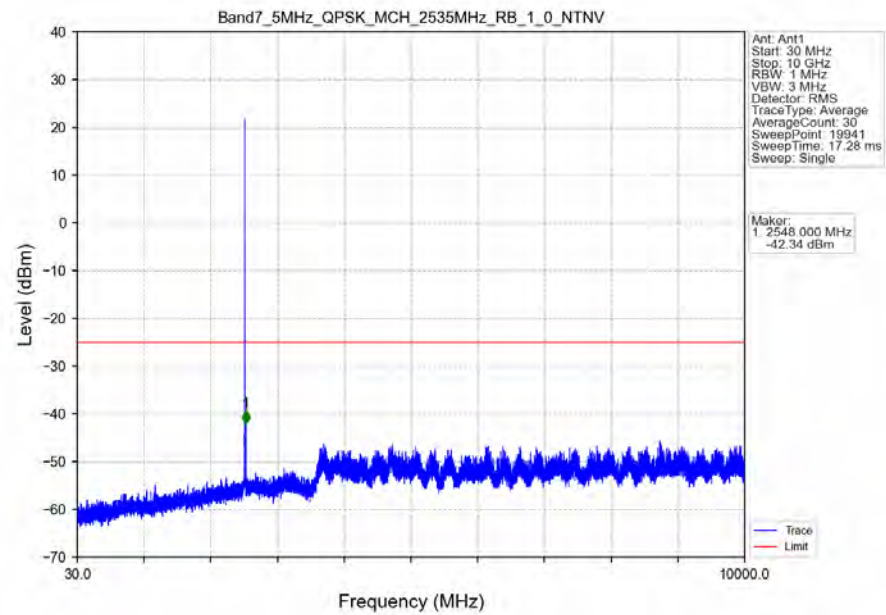
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



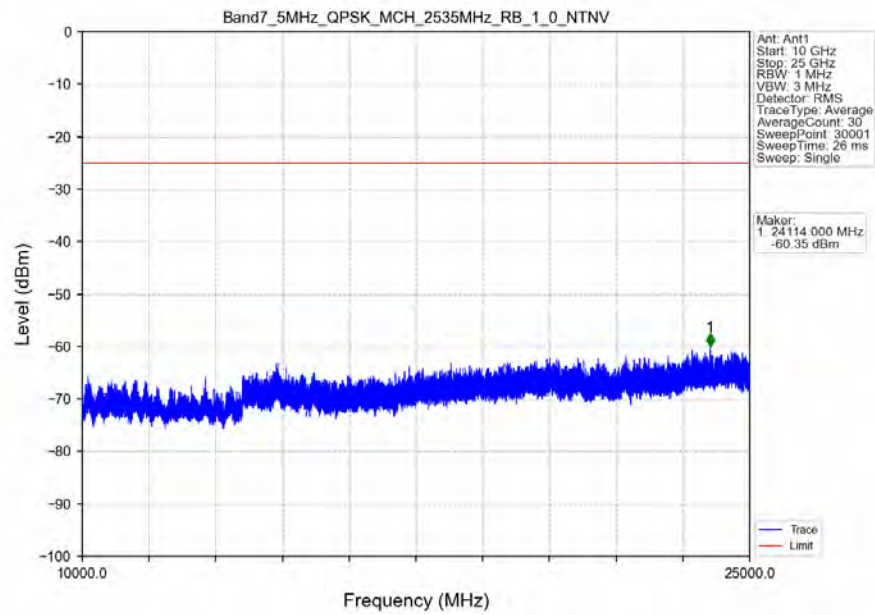
Band7 5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV



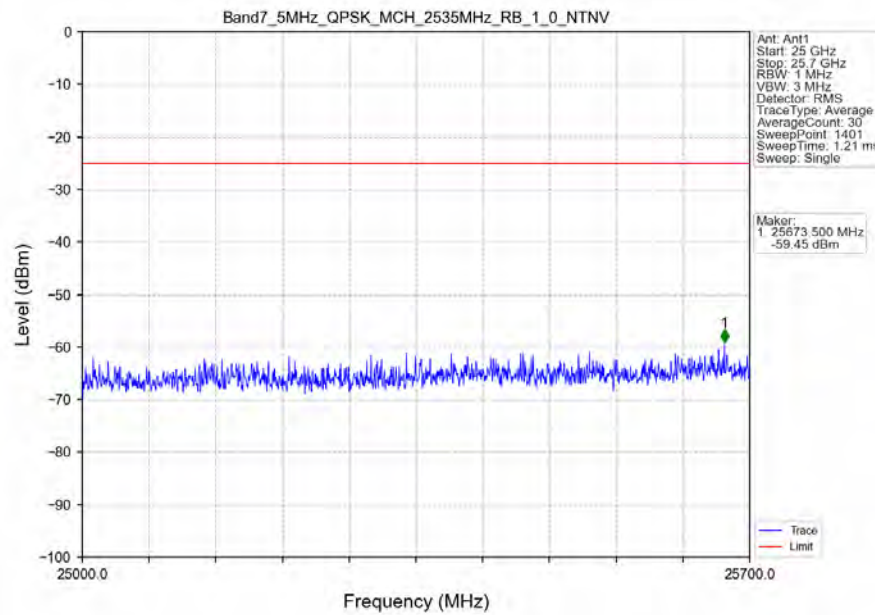
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



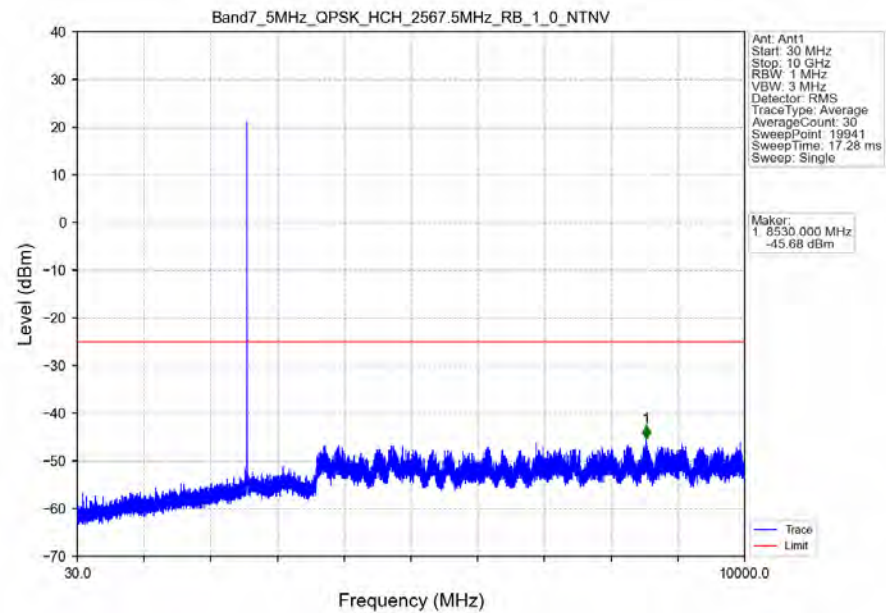
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



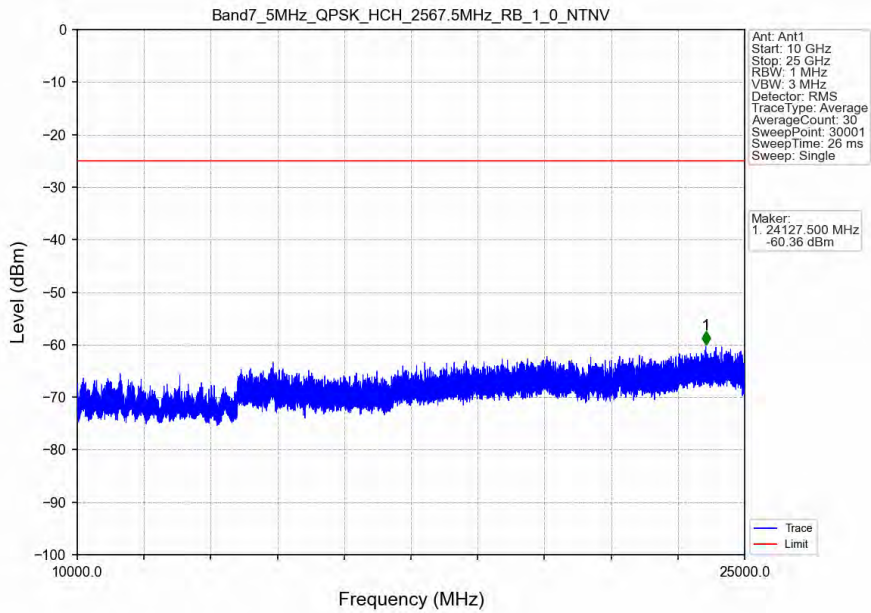
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



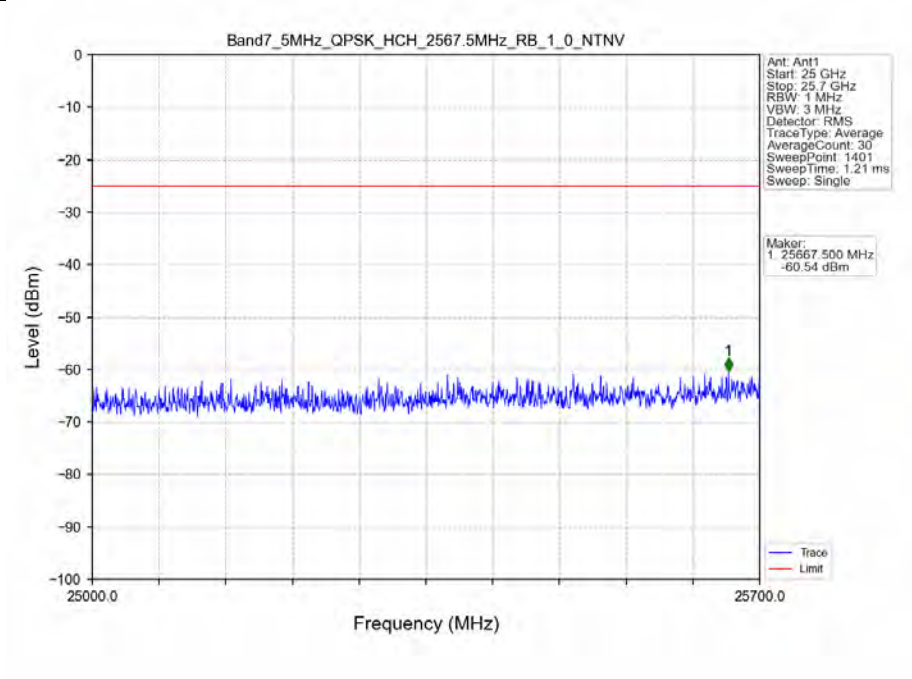
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



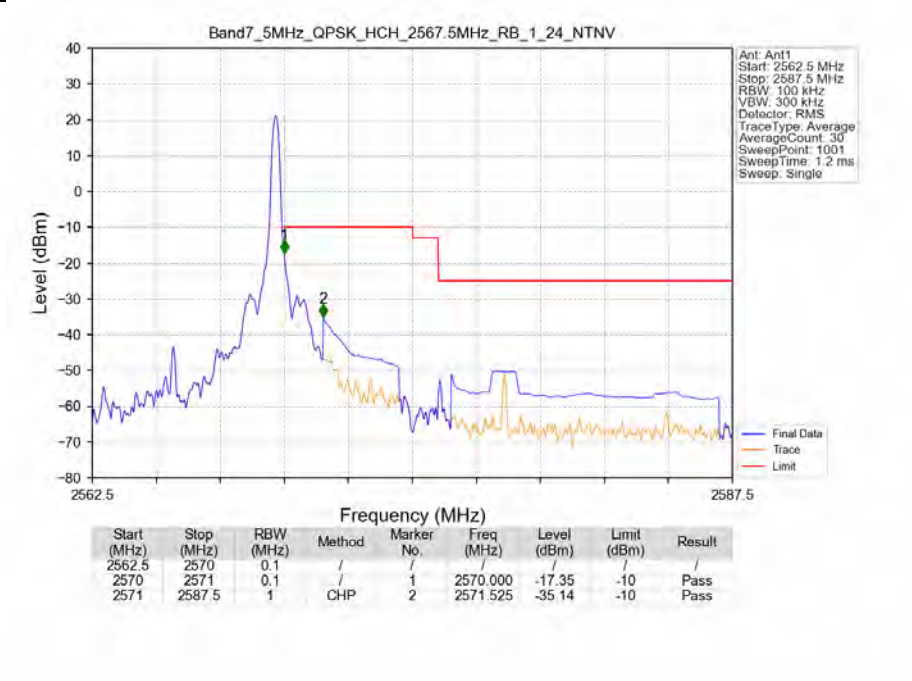
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



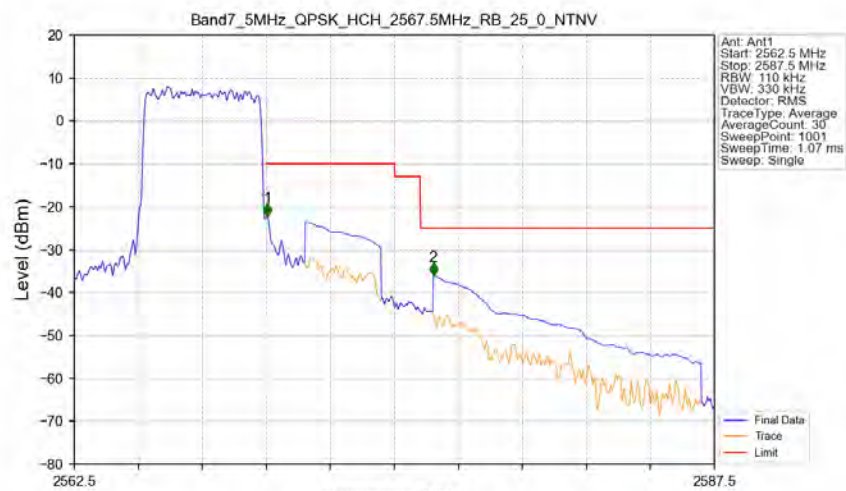
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



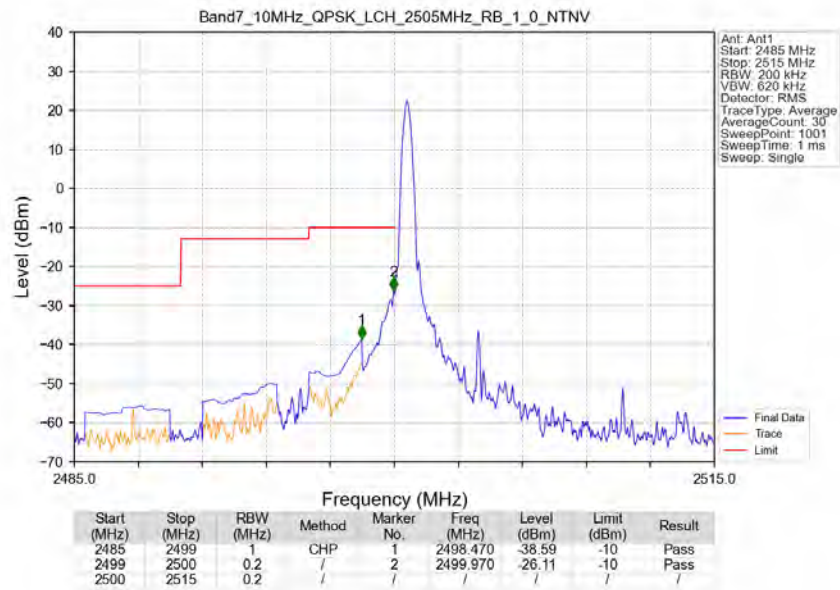
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



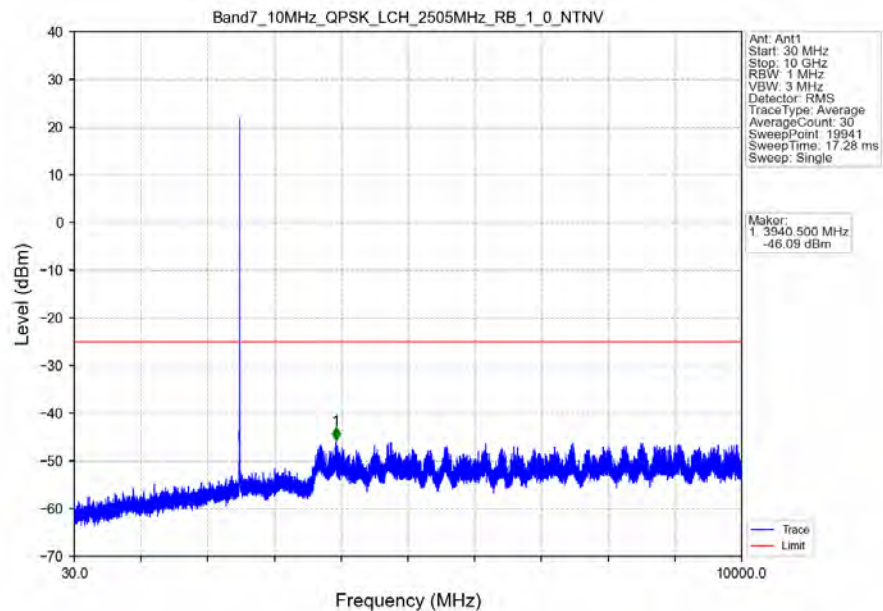
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.11	/	/	/	/	/	/
2570	2571	0.11	/	1	2570.050	-22.29	-10	Pass
2571	2587.5	1	CHP	2	2576.525	-36.15	-25	Pass

5.2.2 B7_10MHz

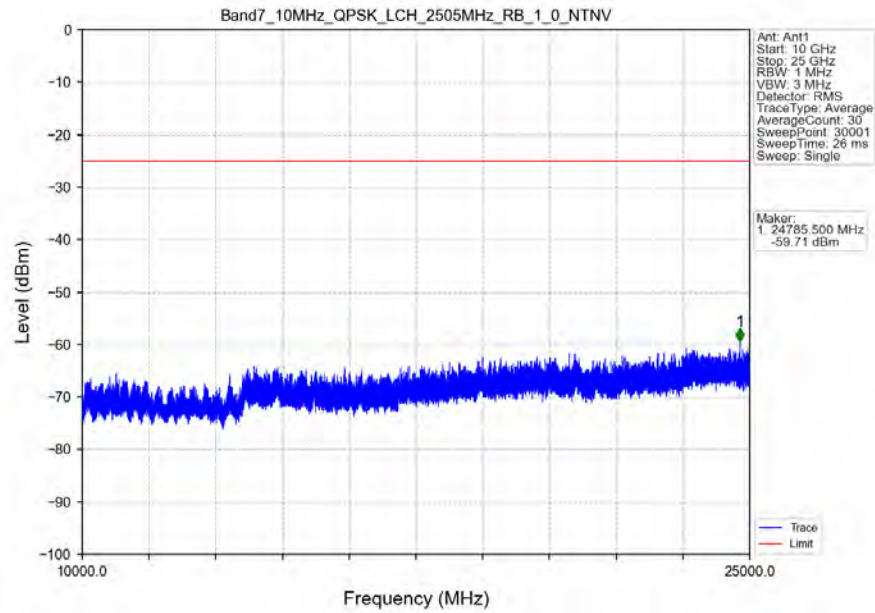
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



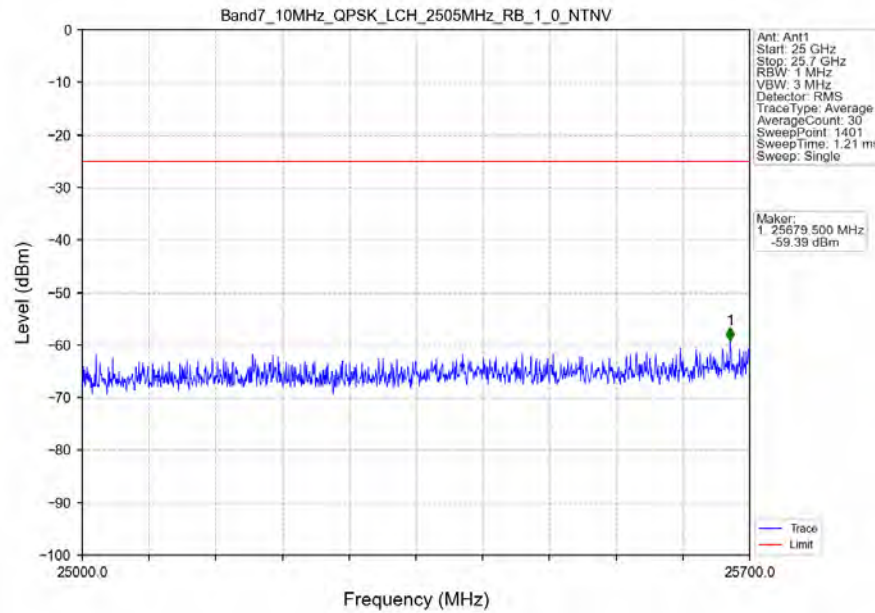
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



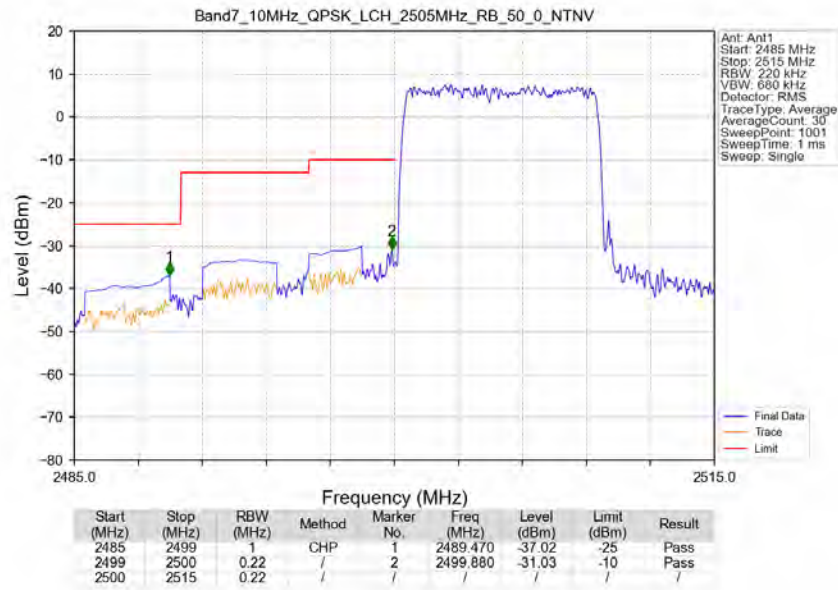
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



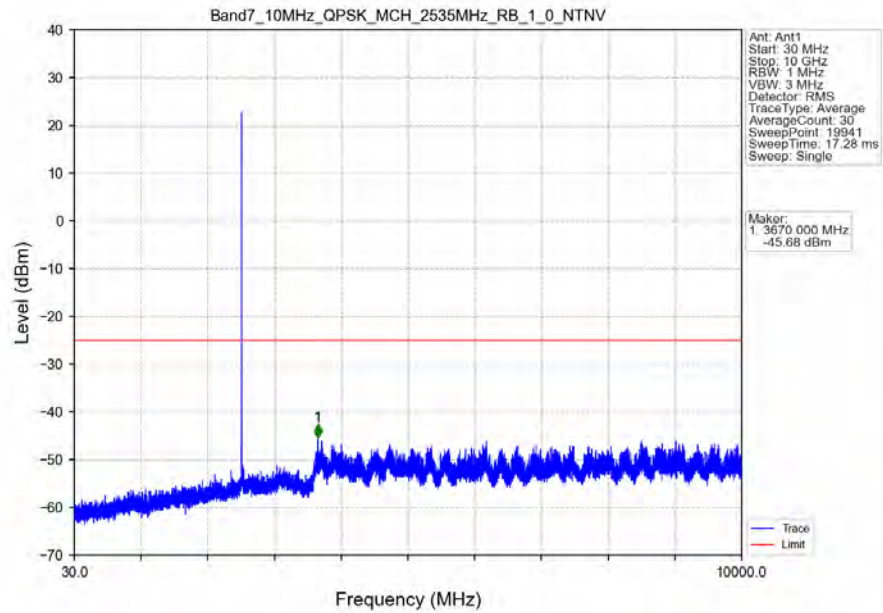
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



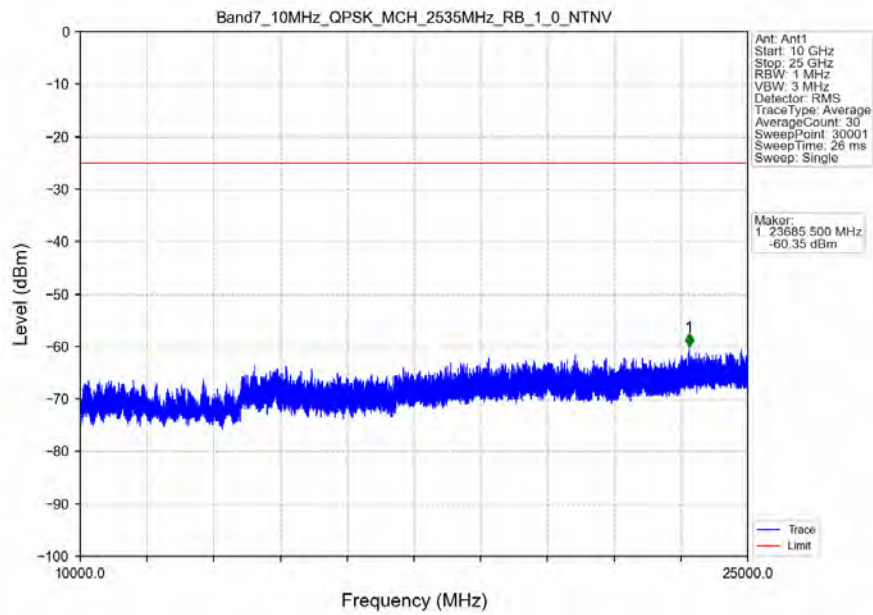
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



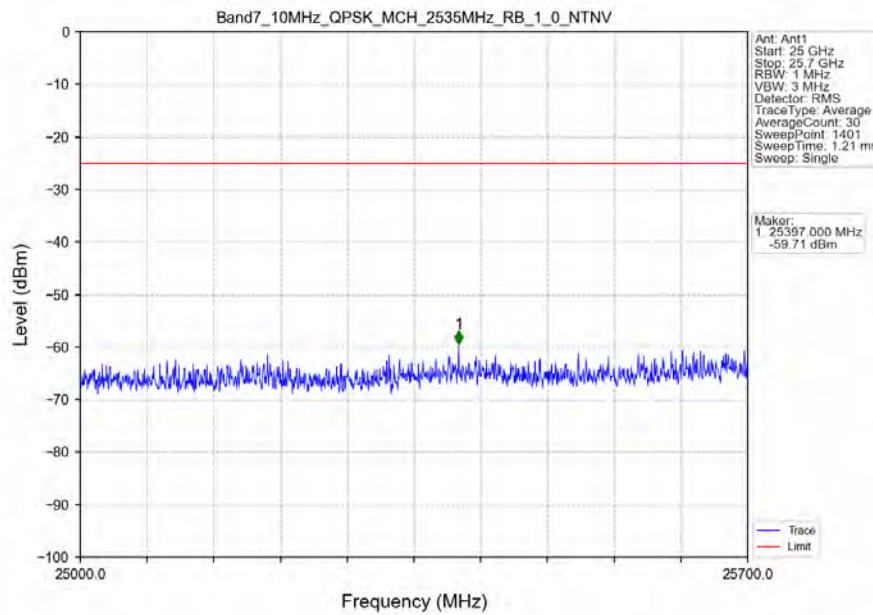
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



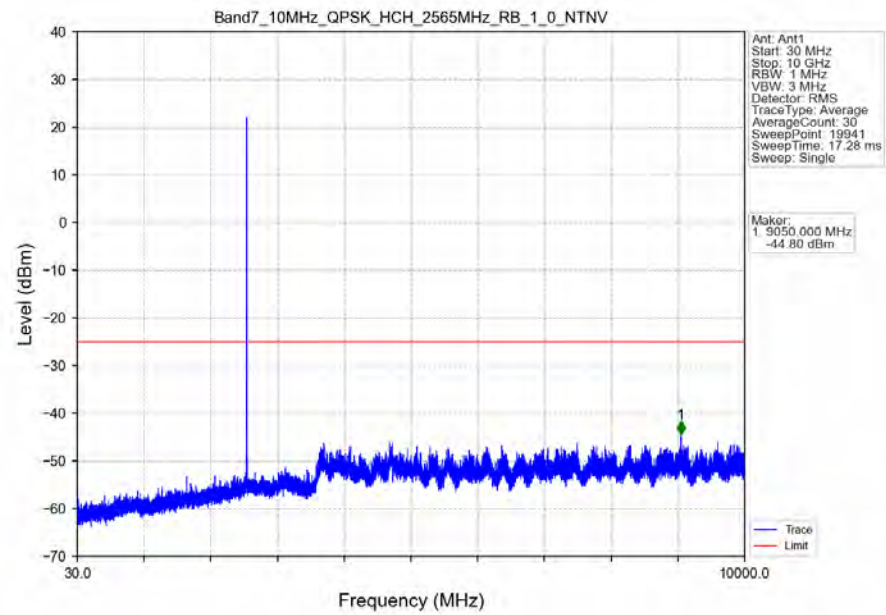
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



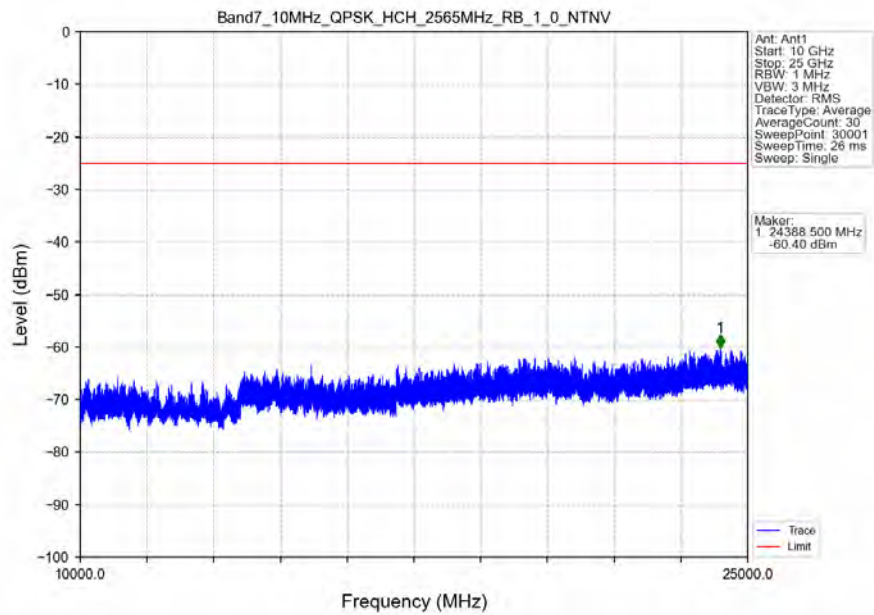
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



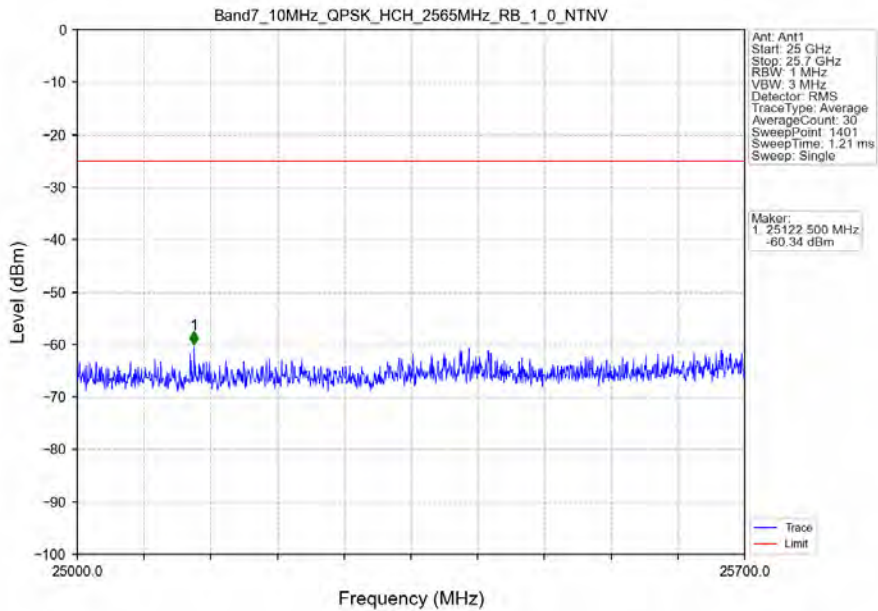
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



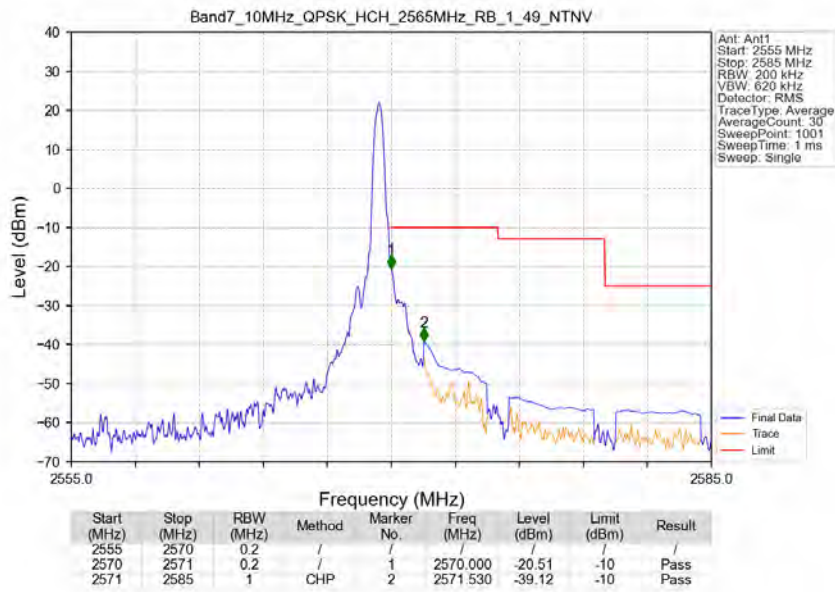
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



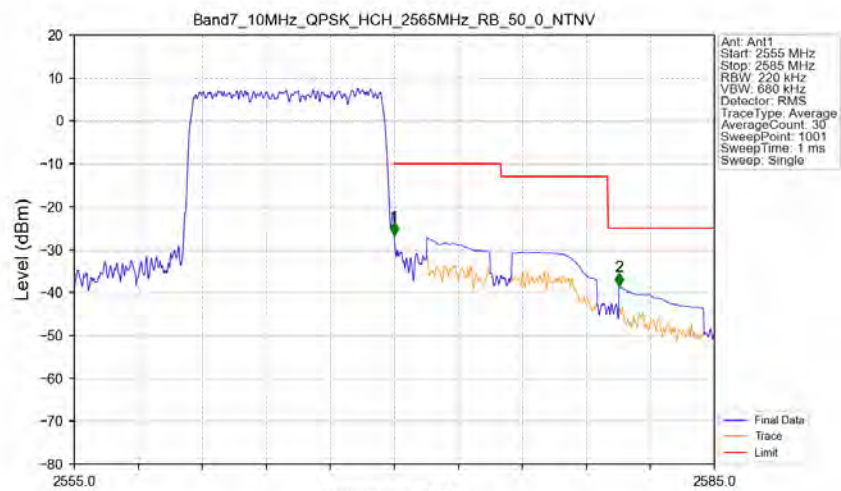
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



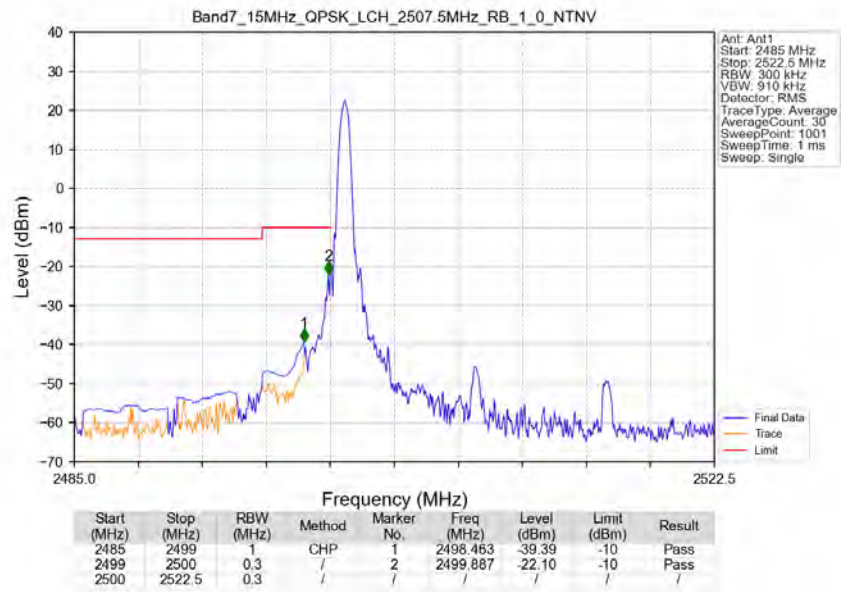
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



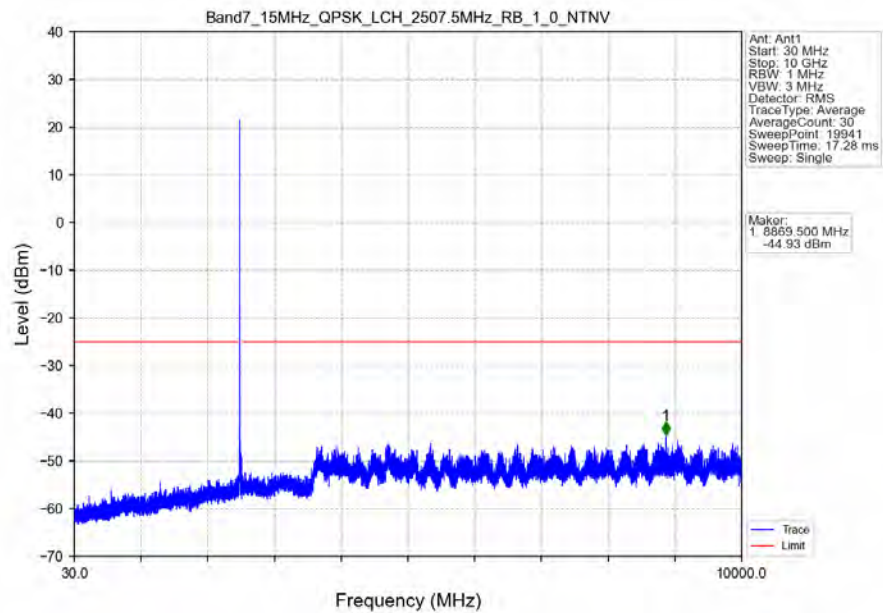
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.22	/	/	/	/	/	/
2570	2571	0.22	/	1	2570.000	-26.82	-10	Pass
2571	2585	1	CHP	2	2580.530	-38.48	-25	Pass

5.2.3 B7_15MHz

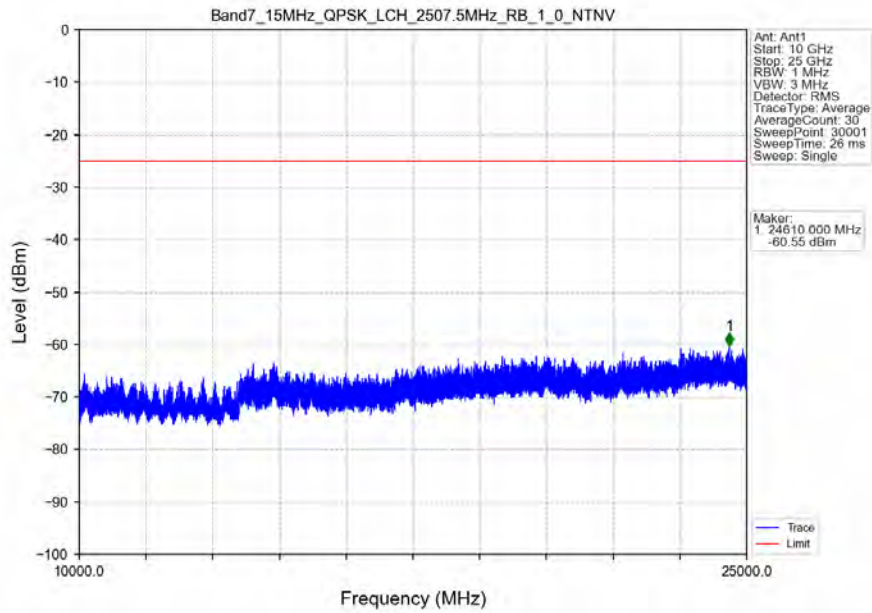
Band7 15MHz QPSK LCH 2507.5MHz RB 1_0 NTNV



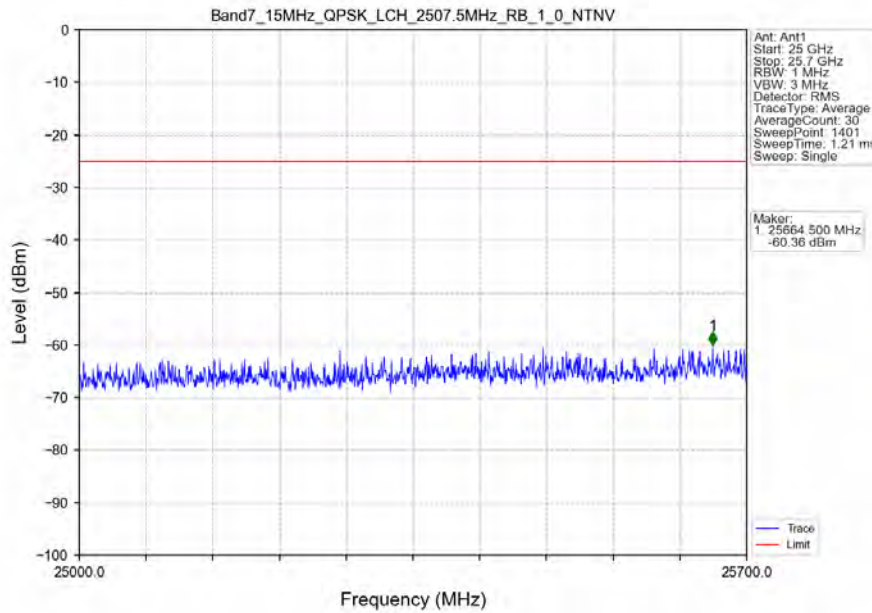
Band7 15MHz QPSK LCH 2507.5MHz RB 1_0 NTNV



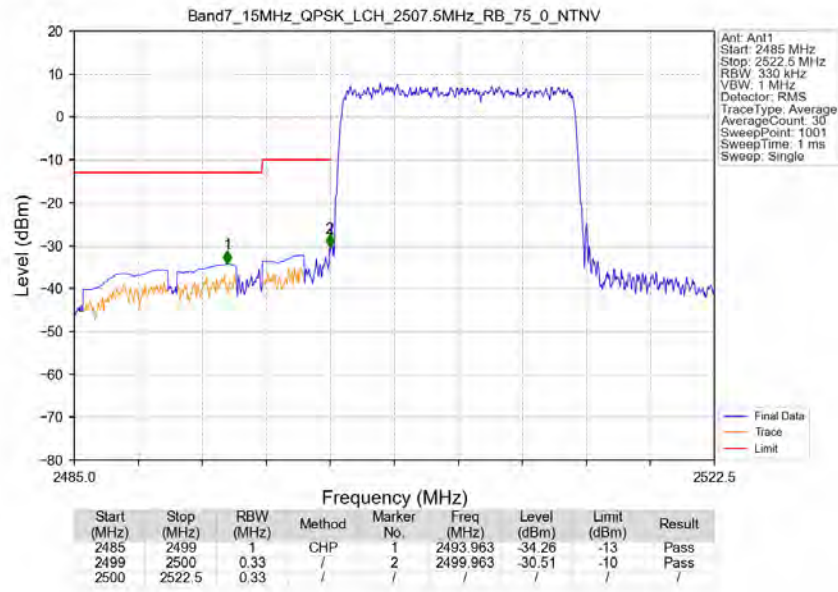
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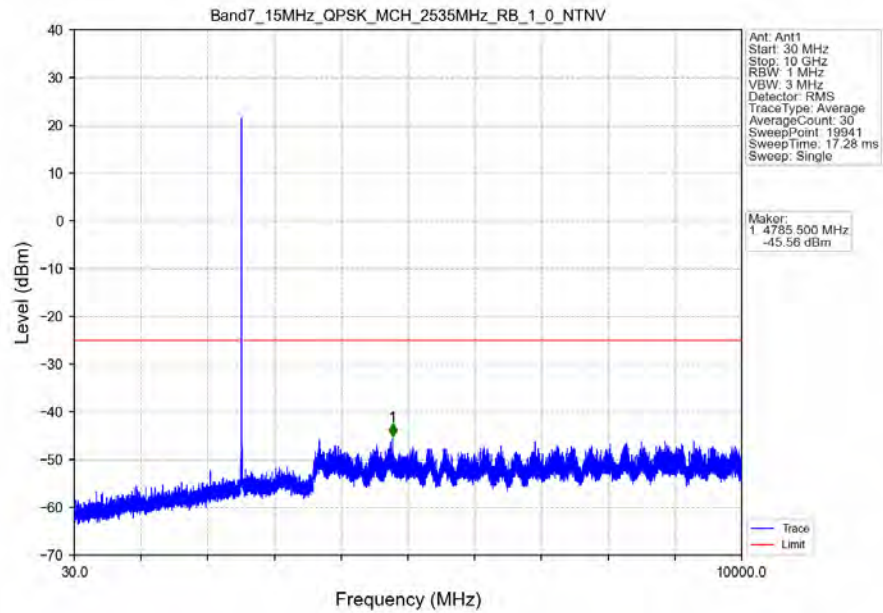
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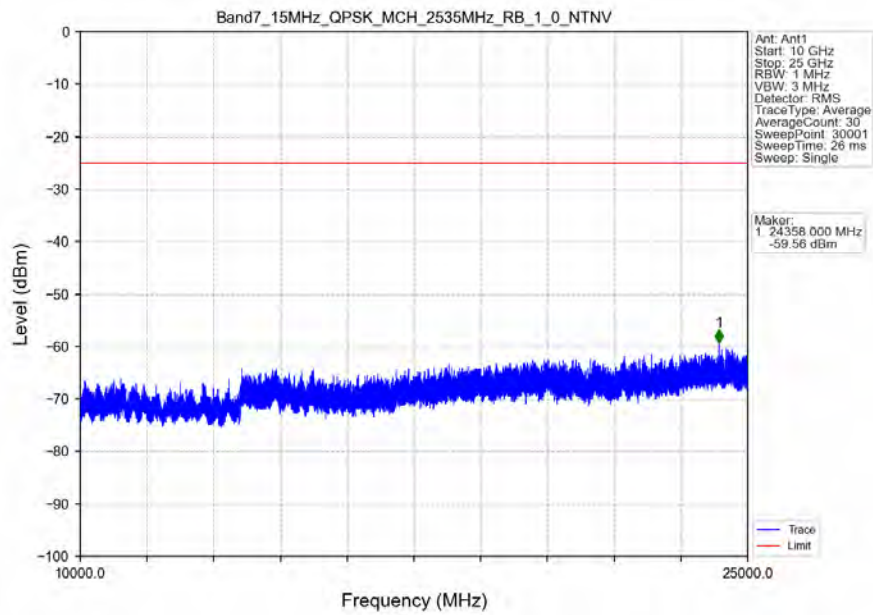
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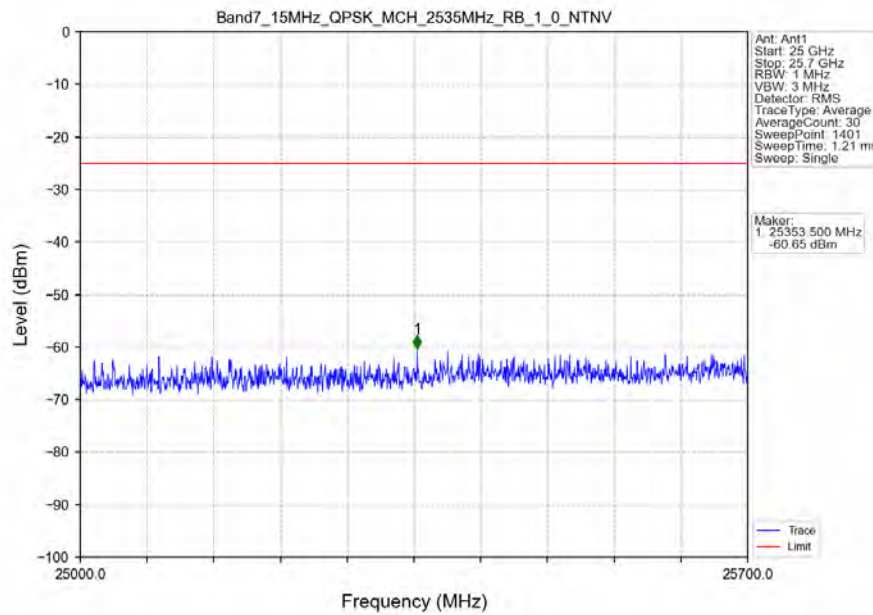
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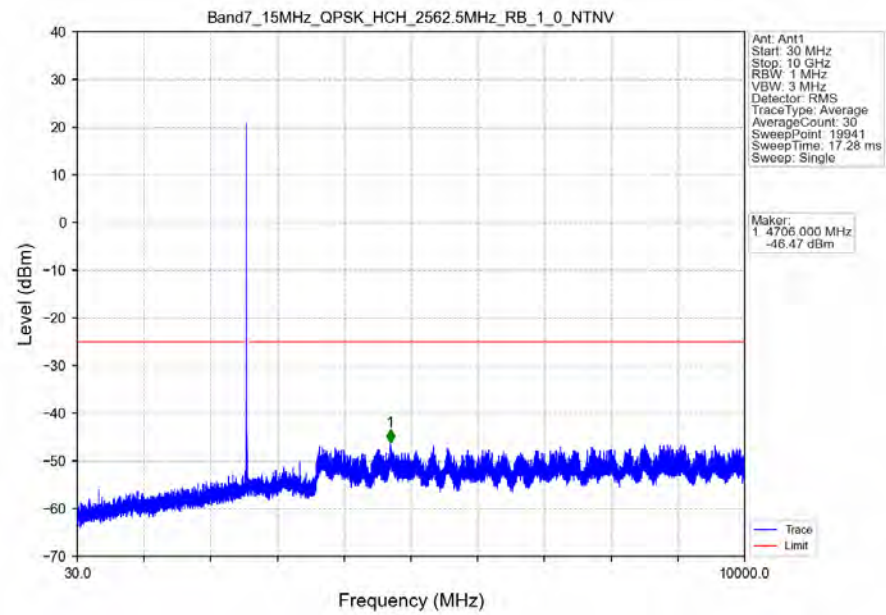
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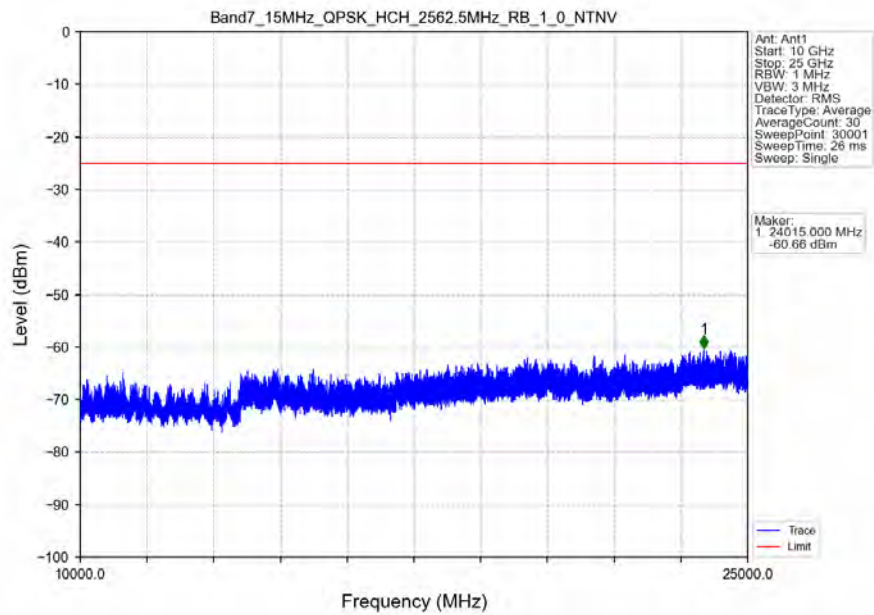
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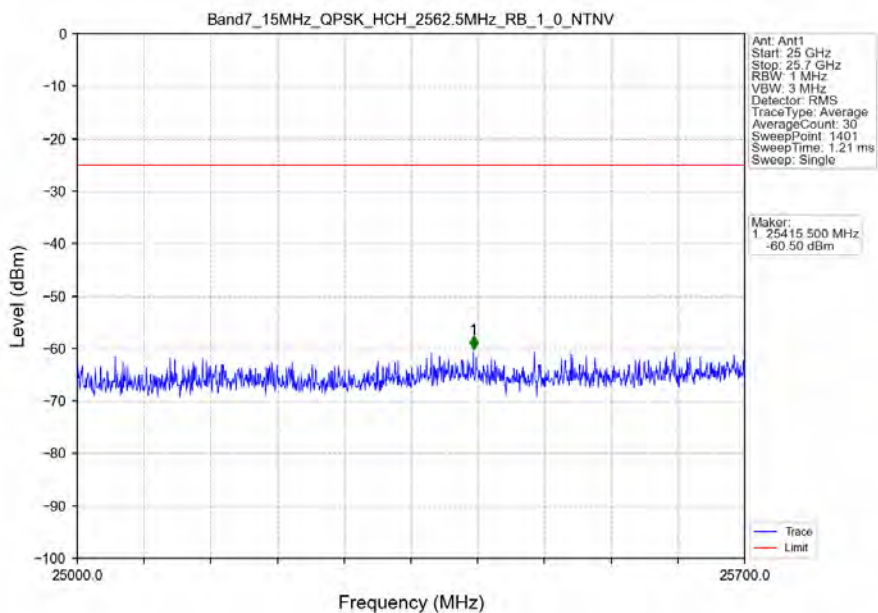
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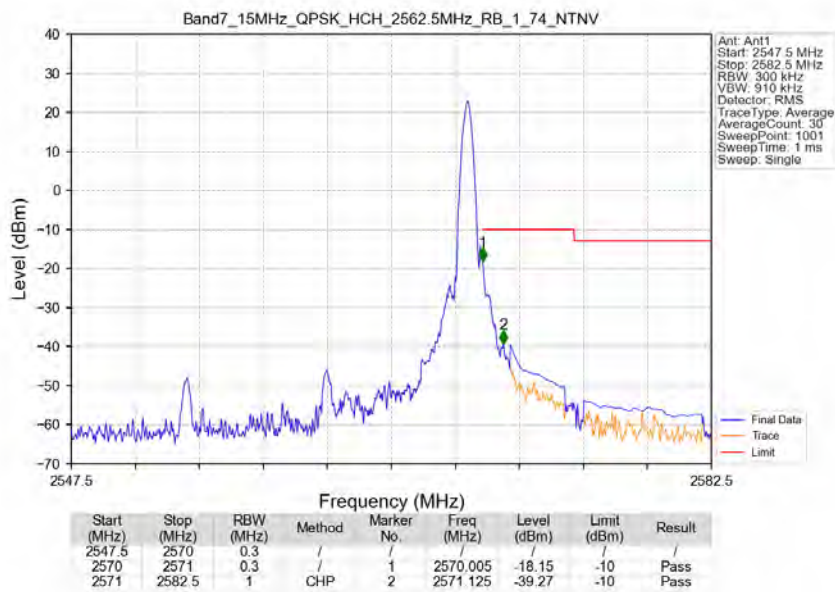
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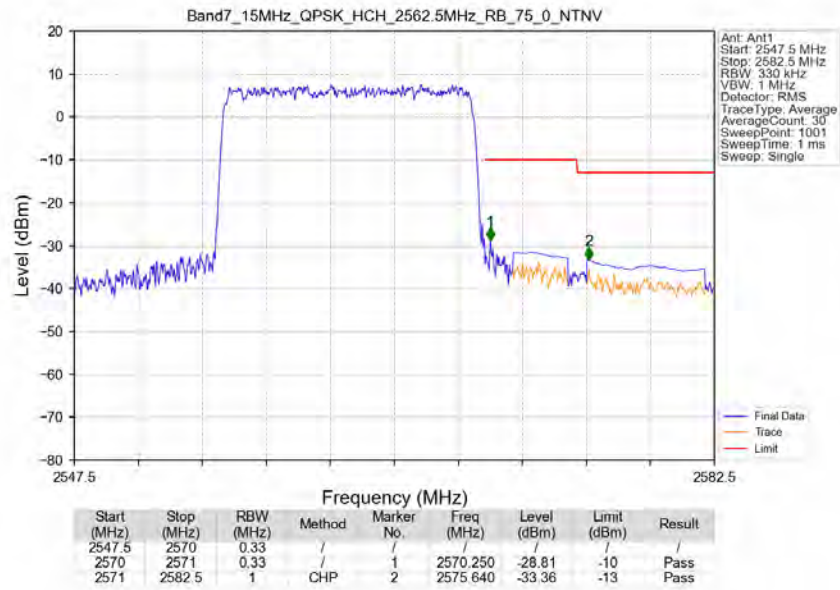
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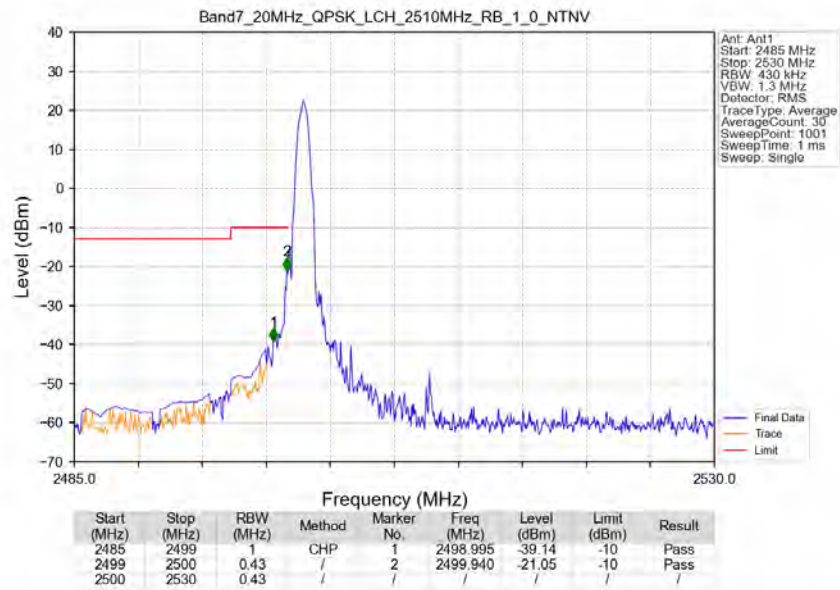


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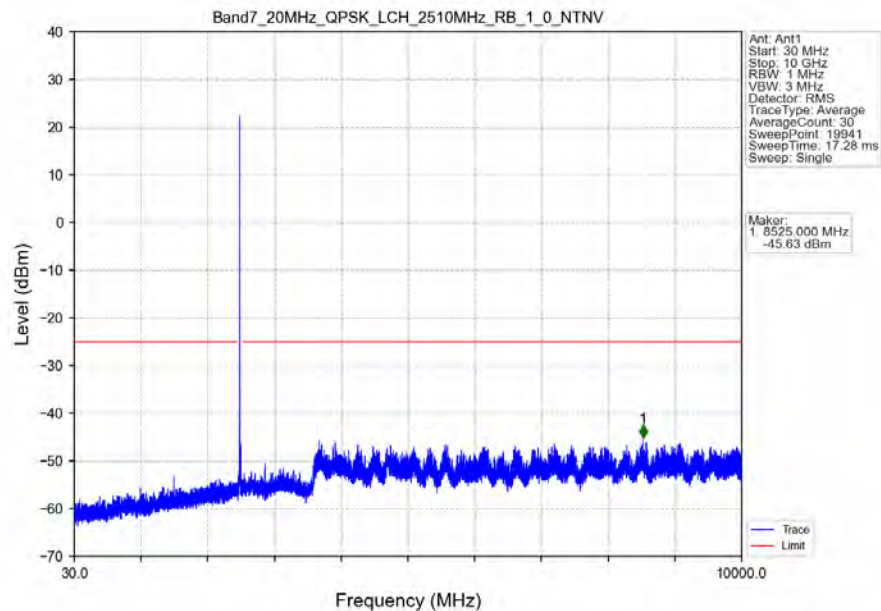


5.2.4 B7_20MHz

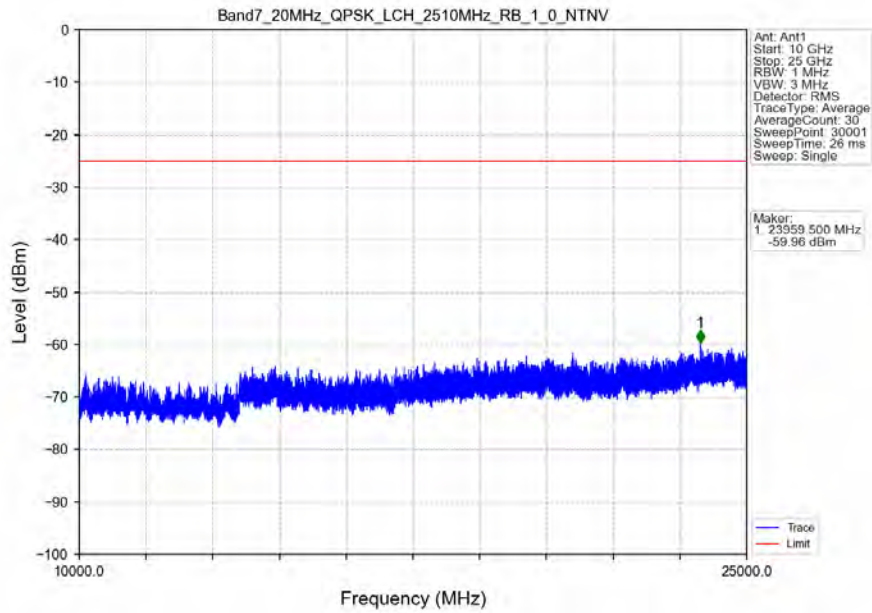
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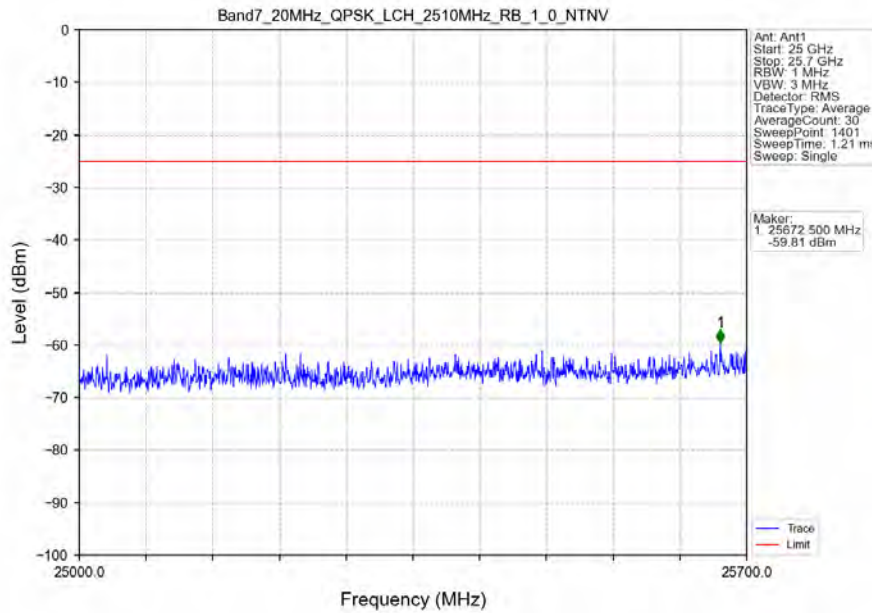
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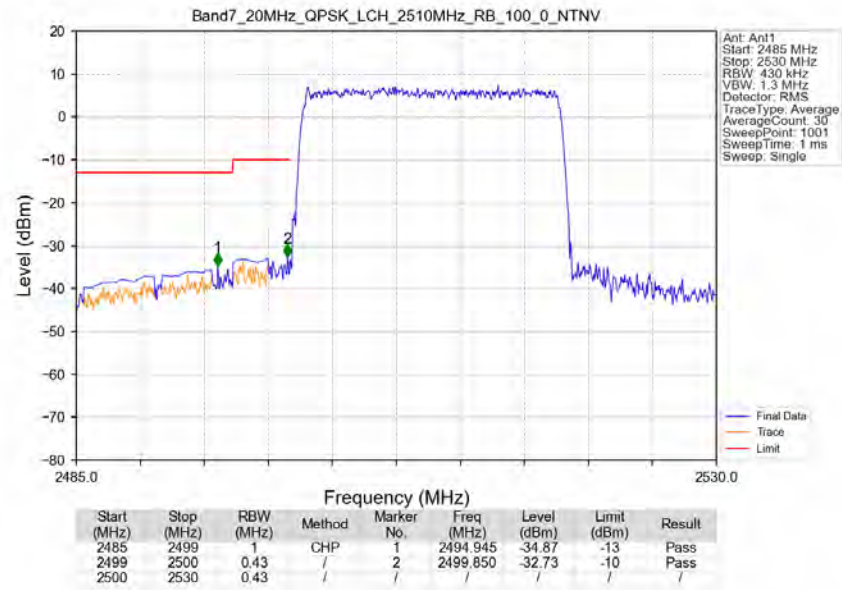
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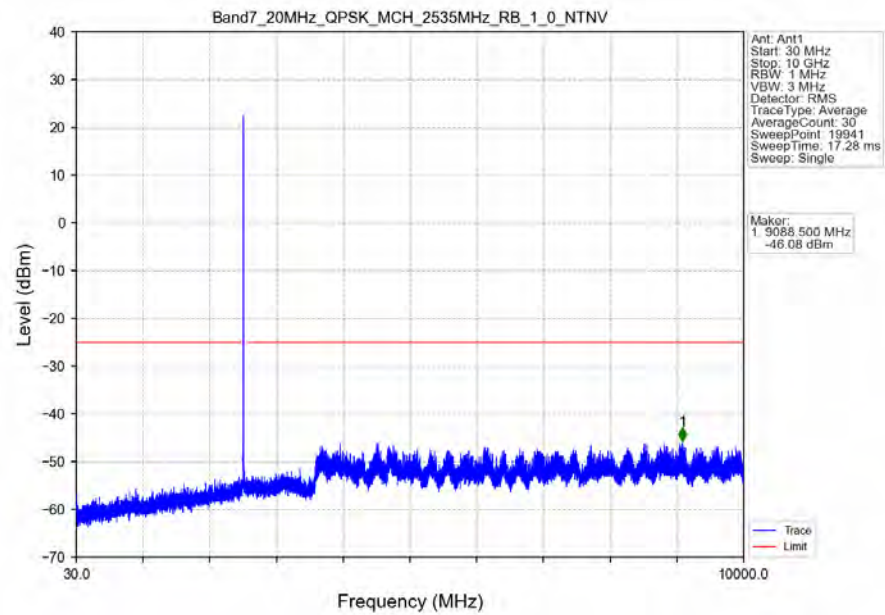
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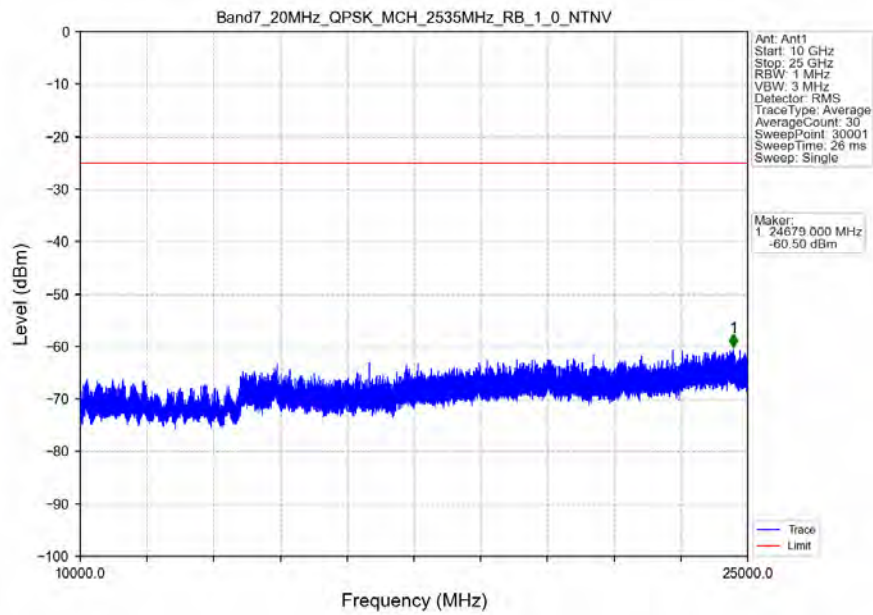
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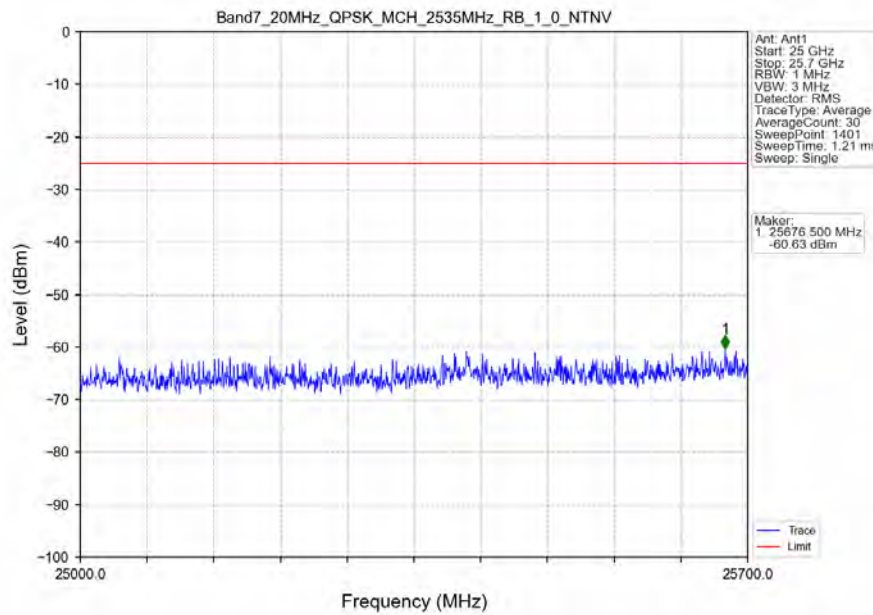
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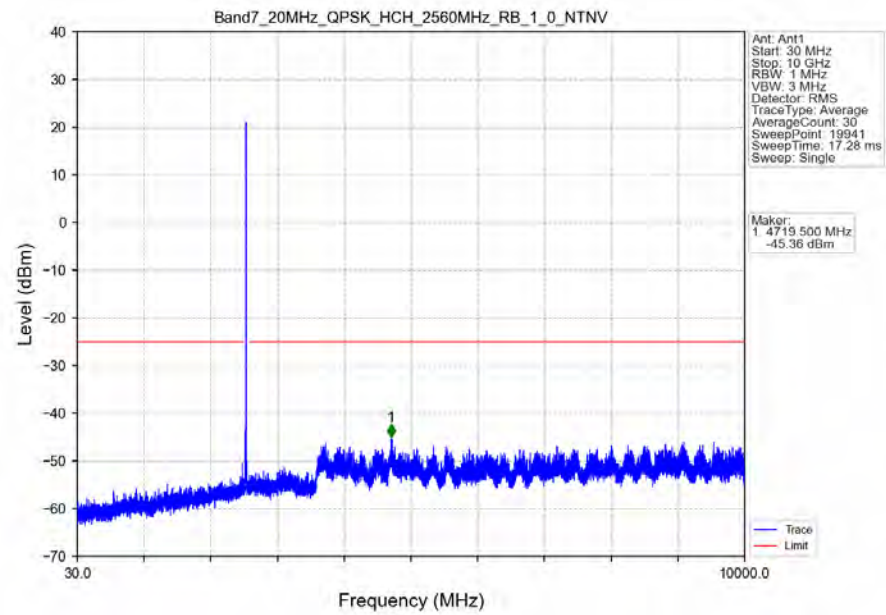
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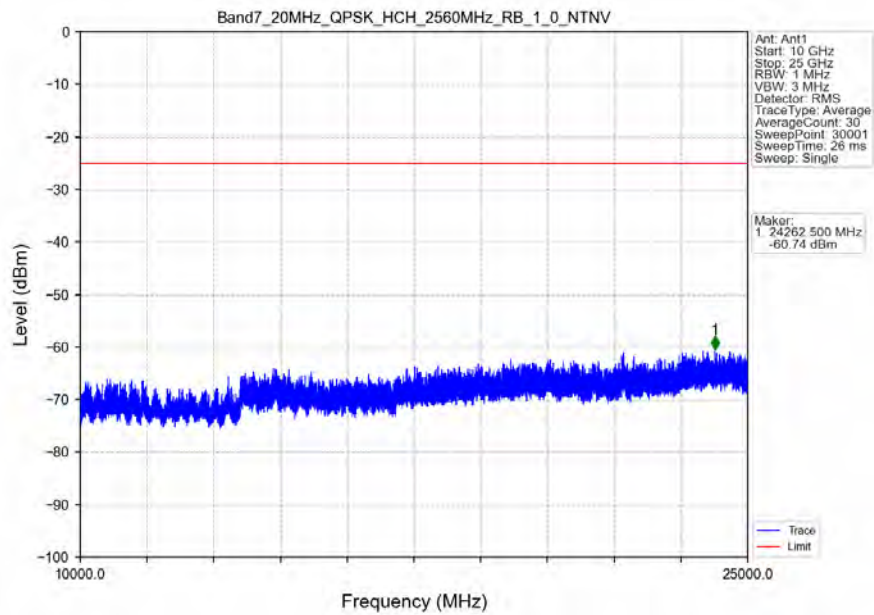
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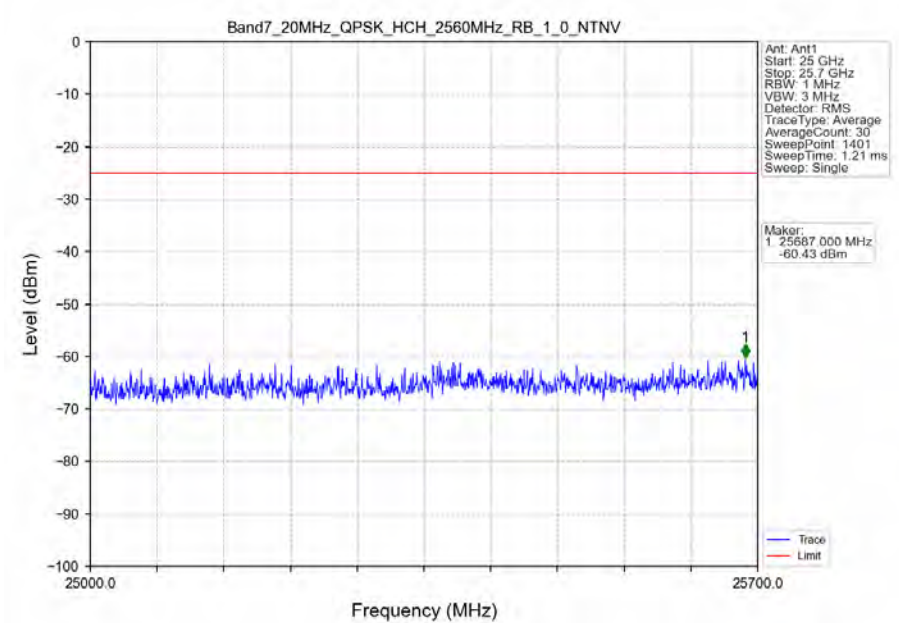
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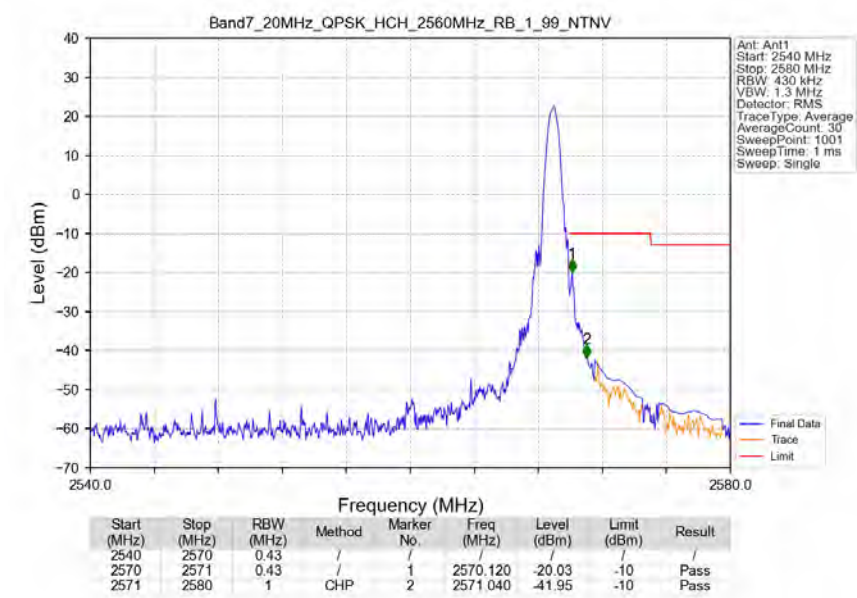
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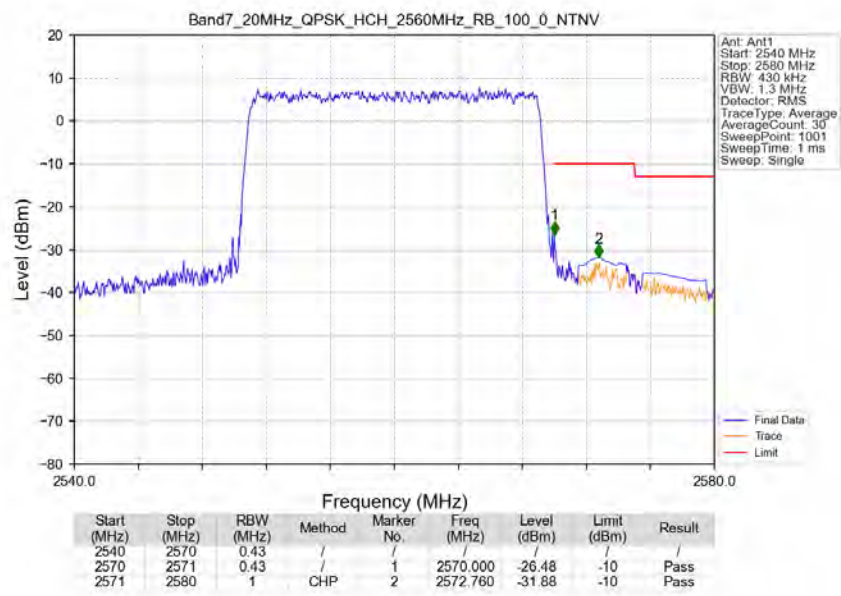
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTNV



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	-48.95	-25	-23.95	-54.83	4.26	10.14	Horizontal	Pass
7503.0	-52.77	-25	-27.77	-60.29	4.22	11.74	Horizontal	Pass
10004.0	-48.96	-25	-23.96	-56.91	5.08	13.03	Horizontal	Pass
5002.0	-47.82	-25	-22.82	-53.7	4.26	10.14	Vertical	Pass
7503.0	-51.24	-25	-26.24	-58.76	4.22	11.74	Vertical	Pass
10004.0	-37.57	-25	-12.57	-45.52	5.08	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	-48.21	-25	-23.21	-54.12	4.26	10.17	Horizontal	Pass
7578.0	-52.65	-25	-27.65	-60.26	4.22	11.83	Horizontal	Pass
10104.0	-48.85	-25	-23.85	-56.82	5.08	13.05	Horizontal	Pass
5052.0	-45.98	-25	-20.98	-51.89	4.26	10.17	Vertical	Pass
7578.0	-51.41	-25	-26.41	-59.02	4.22	11.83	Vertical	Pass
10104.0	-37.12	-25	-12.12	-45.09	5.08	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	-47.41	-25	-22.41	-53.35	4.26	10.2	Horizontal	Pass
7653.0	-52.09	-25	-27.09	-59.78	4.23	11.92	Horizontal	Pass
10204.0	-45.57	-25	-20.57	-53.56	5.08	13.07	Horizontal	Pass
5102.0	-45.38	-25	-20.38	-51.32	4.26	10.2	Vertical	Pass
7653.0	-52.71	-25	-27.71	-60.4	4.23	11.92	Vertical	Pass
10204.0	-35.26	-25	-10.26	-43.25	5.08	13.07	Vertical	Pass

---End of Attachment---