

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	24.48	2.98	27.46	<=30	Pass
			2	24.53	2.98	27.51	<=30	Pass
			5	24.52	2.98	27.50	<=30	Pass
		3	0	24.53	2.98	27.51	<=30	Pass
			2	24.51	2.98	27.49	<=30	Pass
			3	24.51	2.98	27.49	<=30	Pass
		6	0	23.55	2.98	26.53	<=30	Pass
	1732.5	1	0	24.58	2.98	27.56	<=30	Pass
			2	24.64	2.98	27.62	<=30	Pass
			5	24.62	2.98	27.60	<=30	Pass
		3	0	24.57	2.98	27.55	<=30	Pass
			2	24.58	2.98	27.56	<=30	Pass
			3	24.60	2.98	27.58	<=30	Pass
		6	0	23.62	2.98	26.60	<=30	Pass
	1754.3	1	0	24.42	2.98	27.40	<=30	Pass
			2	24.46	2.98	27.44	<=30	Pass
			5	24.37	2.98	27.35	<=30	Pass
		3	0	24.43	2.98	27.41	<=30	Pass
			2	24.42	2.98	27.40	<=30	Pass
			3	24.39	2.98	27.37	<=30	Pass
		6	0	23.43	2.98	26.41	<=30	Pass
16QAM	1710.7	1	0	23.62	2.98	26.60	<=30	Pass
			2	23.65	2.98	26.63	<=30	Pass
			5	23.63	2.98	26.61	<=30	Pass
		3	0	23.60	2.98	26.58	<=30	Pass
			2	23.57	2.98	26.55	<=30	Pass
			3	23.63	2.98	26.61	<=30	Pass
		6	0	22.55	2.98	25.53	<=30	Pass
	1732.5	1	0	23.78	2.98	26.76	<=30	Pass
			2	23.76	2.98	26.74	<=30	Pass
			5	23.76	2.98	26.74	<=30	Pass
		3	0	23.66	2.98	26.64	<=30	Pass
			2	23.65	2.98	26.63	<=30	Pass
			3	23.60	2.98	26.58	<=30	Pass
		6	0	22.66	2.98	25.64	<=30	Pass
	1754.3	1	0	23.53	2.98	26.51	<=30	Pass
			2	23.69	2.98	26.67	<=30	Pass
			5	23.56	2.98	26.54	<=30	Pass
		3	0	23.51	2.98	26.49	<=30	Pass
			2	23.51	2.98	26.49	<=30	Pass
			3	23.55	2.98	26.53	<=30	Pass
		6	0	22.46	2.98	25.44	<=30	Pass
64QAM	1710.7	1	0	22.66	2.98	25.64	<=30	Pass
			2	22.71	2.98	25.69	<=30	Pass
			5	22.57	2.98	25.55	<=30	Pass
		3	0	22.67	2.98	25.65	<=30	Pass
			2	22.64	2.98	25.62	<=30	Pass
			3	22.61	2.98	25.59	<=30	Pass
		6	0	21.55	2.98	24.53	<=30	Pass
	1732.5	1	0	22.80	2.98	25.78	<=30	Pass

			2	22.89	2.98	25.87	<=30	Pass
			5	22.70	2.98	25.68	<=30	Pass
		3	0	22.70	2.98	25.68	<=30	Pass
			2	22.67	2.98	25.65	<=30	Pass
			3	22.67	2.98	25.65	<=30	Pass
		6	0	21.65	2.98	24.63	<=30	Pass
	1754.3	1	0	22.58	2.98	25.56	<=30	Pass
			2	22.64	2.98	25.62	<=30	Pass
			5	22.59	2.98	25.57	<=30	Pass
		3	0	22.52	2.98	25.50	<=30	Pass
			2	22.53	2.98	25.51	<=30	Pass
			3	22.49	2.98	25.47	<=30	Pass
		6	0	21.45	2.98	24.43	<=30	Pass
		Note1: EIRP=Conducted Power+Antenna Gain						

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	24.48	2.98	27.46	<=30	Pass
			7	24.58	2.98	27.56	<=30	Pass
			14	24.48	2.98	27.46	<=30	Pass
		8	0	23.58	2.98	26.56	<=30	Pass
			4	23.61	2.98	26.59	<=30	Pass
			7	23.55	2.98	26.53	<=30	Pass
		15	0	23.50	2.98	26.48	<=30	Pass
	1732.5	1	0	24.55	2.98	27.53	<=30	Pass
			7	24.57	2.98	27.55	<=30	Pass
			14	24.51	2.98	27.49	<=30	Pass
		8	0	23.63	2.98	26.61	<=30	Pass
			4	23.60	2.98	26.58	<=30	Pass
			7	23.51	2.98	26.49	<=30	Pass
		15	0	23.55	2.98	26.53	<=30	Pass
	1753.5	1	0	24.42	2.98	27.40	<=30	Pass
			7	24.51	2.98	27.49	<=30	Pass
			14	24.43	2.98	27.41	<=30	Pass
		8	0	23.43	2.98	26.41	<=30	Pass
			4	23.49	2.98	26.47	<=30	Pass
			7	23.42	2.98	26.40	<=30	Pass
		15	0	23.41	2.98	26.39	<=30	Pass
16QAM	1711.5	1	0	23.64	2.98	26.62	<=30	Pass
			7	23.71	2.98	26.69	<=30	Pass
			14	23.59	2.98	26.57	<=30	Pass
		8	0	22.47	2.98	25.45	<=30	Pass
			4	22.52	2.98	25.50	<=30	Pass
			7	22.53	2.98	25.51	<=30	Pass
		15	0	22.49	2.98	25.47	<=30	Pass
	1732.5	1	0	23.80	2.98	26.78	<=30	Pass
			7	23.81	2.98	26.79	<=30	Pass
			14	23.72	2.98	26.70	<=30	Pass
		8	0	22.62	2.98	25.60	<=30	Pass
			4	22.65	2.98	25.63	<=30	Pass
			7	22.57	2.98	25.55	<=30	Pass
		15	0	22.55	2.98	25.53	<=30	Pass
	1753.5	1	0	23.53	2.98	26.51	<=30	Pass
			7	23.65	2.98	26.63	<=30	Pass
			14	23.55	2.98	26.53	<=30	Pass
		8	0	22.50	2.98	25.48	<=30	Pass
			0	22.50	2.98	25.48	<=30	Pass

			4	22.50	2.98	25.48	<=30	Pass	
			7	22.38	2.98	25.36	<=30	Pass	
		15	0	22.40	2.98	25.38	<=30	Pass	
64QAM	1711.5	1	0	22.57	2.98	25.55	<=30	Pass	
			7	22.58	2.98	25.56	<=30	Pass	
			14	22.57	2.98	25.55	<=30	Pass	
		8	0	21.54	2.98	24.52	<=30	Pass	
			4	21.55	2.98	24.53	<=30	Pass	
			7	21.47	2.98	24.45	<=30	Pass	
		15	0	21.45	2.98	24.43	<=30	Pass	
		1732.5	1	0	22.73	2.98	25.71	<=30	Pass
				7	22.94	2.98	25.92	<=30	Pass
	14			22.75	2.98	25.73	<=30	Pass	
	8		0	21.70	2.98	24.68	<=30	Pass	
			4	21.74	2.98	24.72	<=30	Pass	
			7	21.62	2.98	24.60	<=30	Pass	
	15		0	21.60	2.98	24.58	<=30	Pass	
	1753.5		1	0	22.64	2.98	25.62	<=30	Pass
				7	22.64	2.98	25.62	<=30	Pass
		14		22.61	2.98	25.59	<=30	Pass	
		8	0	21.39	2.98	24.37	<=30	Pass	
			4	21.39	2.98	24.37	<=30	Pass	
			7	21.41	2.98	24.39	<=30	Pass	
		15	0	21.38	2.98	24.36	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	24.65	2.98	27.63	<=30	Pass
			13	24.62	2.98	27.60	<=30	Pass
			24	24.48	2.98	27.46	<=30	Pass
		12	0	23.51	2.98	26.49	<=30	Pass
			6	23.44	2.98	26.42	<=30	Pass
			13	23.43	2.98	26.41	<=30	Pass
		25	0	23.47	2.98	26.45	<=30	Pass
	1732.5	1	0	24.58	2.98	27.56	<=30	Pass
			13	24.60	2.98	27.58	<=30	Pass
			24	24.57	2.98	27.55	<=30	Pass
		12	0	23.61	2.98	26.59	<=30	Pass
			6	23.53	2.98	26.51	<=30	Pass
			13	23.51	2.98	26.49	<=30	Pass
		25	0	23.50	2.98	26.48	<=30	Pass
	1752.5	1	0	24.51	2.98	27.49	<=30	Pass
			13	24.48	2.98	27.46	<=30	Pass
			24	24.37	2.98	27.35	<=30	Pass
		12	0	23.41	2.98	26.39	<=30	Pass
			6	23.39	2.98	26.37	<=30	Pass
			13	23.43	2.98	26.41	<=30	Pass
		25	0	23.49	2.98	26.47	<=30	Pass
16QAM	1712.5	1	0	23.55	2.98	26.53	<=30	Pass
			13	23.59	2.98	26.57	<=30	Pass
			24	23.48	2.98	26.46	<=30	Pass
		12	0	22.55	2.98	25.53	<=30	Pass
			6	22.49	2.98	25.47	<=30	Pass
			13	22.44	2.98	25.42	<=30	Pass
		25	0	22.44	2.98	25.42	<=30	Pass

	1732.5	1	0	23.77	2.98	26.75	<=30	Pass
			13	23.73	2.98	26.71	<=30	Pass
			24	23.78	2.98	26.76	<=30	Pass
		12	0	22.60	2.98	25.58	<=30	Pass
			6	22.52	2.98	25.50	<=30	Pass
			13	22.51	2.98	25.49	<=30	Pass
		25	0	22.52	2.98	25.50	<=30	Pass
	1752.5	1	0	23.63	2.98	26.61	<=30	Pass
			13	23.73	2.98	26.71	<=30	Pass
			24	23.61	2.98	26.59	<=30	Pass
		12	0	22.44	2.98	25.42	<=30	Pass
			6	22.49	2.98	25.47	<=30	Pass
			13	22.43	2.98	25.41	<=30	Pass
		25	0	22.46	2.98	25.44	<=30	Pass
64QAM	1712.5	1	0	22.81	2.98	25.79	<=30	Pass
			13	22.77	2.98	25.75	<=30	Pass
			24	22.74	2.98	25.72	<=30	Pass
		12	0	21.58	2.98	24.56	<=30	Pass
			6	21.53	2.98	24.51	<=30	Pass
			13	21.50	2.98	24.48	<=30	Pass
		25	0	21.44	2.98	24.42	<=30	Pass
	1732.5	1	0	22.79	2.98	25.77	<=30	Pass
			13	22.75	2.98	25.73	<=30	Pass
			24	22.84	2.98	25.82	<=30	Pass
		12	0	21.59	2.98	24.57	<=30	Pass
			6	21.59	2.98	24.57	<=30	Pass
			13	21.56	2.98	24.54	<=30	Pass
		25	0	21.52	2.98	24.50	<=30	Pass
	1752.5	1	0	22.46	2.98	25.44	<=30	Pass
			13	22.54	2.98	25.52	<=30	Pass
			24	22.48	2.98	25.46	<=30	Pass
		12	0	21.46	2.98	24.44	<=30	Pass
			6	21.48	2.98	24.46	<=30	Pass
			13	21.43	2.98	24.41	<=30	Pass
		25	0	21.37	2.98	24.35	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	24.50	2.98	27.48	<=30	Pass
			25	24.50	2.98	27.48	<=30	Pass
			49	24.45	2.98	27.43	<=30	Pass
		25	0	23.56	2.98	26.54	<=30	Pass
			13	23.44	2.98	26.42	<=30	Pass
			25	23.45	2.98	26.43	<=30	Pass
		50	0	23.37	2.98	26.35	<=30	Pass
	1732.5	1	0	24.62	2.98	27.60	<=30	Pass
			25	24.66	2.98	27.64	<=30	Pass
			49	24.51	2.98	27.49	<=30	Pass
		25	0	23.59	2.98	26.57	<=30	Pass
			13	23.50	2.98	26.48	<=30	Pass
			25	23.46	2.98	26.44	<=30	Pass
		50	0	23.49	2.98	26.47	<=30	Pass
	1750	1	0	24.47	2.98	27.45	<=30	Pass
			25	24.49	2.98	27.47	<=30	Pass
			49	24.47	2.98	27.45	<=30	Pass

		25	0	23.49	2.98	26.47	<=30	Pass		
			13	23.48	2.98	26.46	<=30	Pass		
			25	23.41	2.98	26.39	<=30	Pass		
		50	0	23.41	2.98	26.39	<=30	Pass		
16QAM	1715	1	0	23.70	2.98	26.68	<=30	Pass		
			25	23.57	2.98	26.55	<=30	Pass		
			49	23.58	2.98	26.56	<=30	Pass		
		25	0	22.48	2.98	25.46	<=30	Pass		
			13	22.42	2.98	25.40	<=30	Pass		
			25	22.46	2.98	25.44	<=30	Pass		
		50	0	22.46	2.98	25.44	<=30	Pass		
		1732.5	1	0	23.82	2.98	26.80	<=30	Pass	
				25	23.72	2.98	26.70	<=30	Pass	
	49			23.68	2.98	26.66	<=30	Pass		
	25		0	22.55	2.98	25.53	<=30	Pass		
			13	22.58	2.98	25.56	<=30	Pass		
			25	22.57	2.98	25.55	<=30	Pass		
	50		0	22.51	2.98	25.49	<=30	Pass		
	1750		1	0	23.56	2.98	26.54	<=30	Pass	
				25	23.53	2.98	26.51	<=30	Pass	
		49		23.59	2.98	26.57	<=30	Pass		
		25	0	22.43	2.98	25.41	<=30	Pass		
			13	22.45	2.98	25.43	<=30	Pass		
			25	22.45	2.98	25.43	<=30	Pass		
		50	0	22.49	2.98	25.47	<=30	Pass		
		64QAM	1715	1	0	22.53	2.98	25.51	<=30	Pass
					25	22.54	2.98	25.52	<=30	Pass
	49				22.59	2.98	25.57	<=30	Pass	
	25			0	21.43	2.98	24.41	<=30	Pass	
				13	21.50	2.98	24.48	<=30	Pass	
				25	21.45	2.98	24.43	<=30	Pass	
50	0			21.44	2.98	24.42	<=30	Pass		
1732.5	1			0	22.81	2.98	25.79	<=30	Pass	
				25	22.83	2.98	25.81	<=30	Pass	
			49	22.77	2.98	25.75	<=30	Pass		
	25		0	21.65	2.98	24.63	<=30	Pass		
			13	21.54	2.98	24.52	<=30	Pass		
			25	21.64	2.98	24.62	<=30	Pass		
	50		0	21.61	2.98	24.59	<=30	Pass		
	1750		1	0	22.64	2.98	25.62	<=30	Pass	
				25	22.62	2.98	25.60	<=30	Pass	
49				22.64	2.98	25.62	<=30	Pass		
25			0	21.55	2.98	24.53	<=30	Pass		
			13	21.54	2.98	24.52	<=30	Pass		
			25	21.41	2.98	24.39	<=30	Pass		
50			0	21.42	2.98	24.40	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	24.56	2.98	27.54	<=30	Pass
			38	24.53	2.98	27.51	<=30	Pass
			74	24.48	2.98	27.46	<=30	Pass
		36	0	23.61	2.98	26.59	<=30	Pass
			18	23.65	2.98	26.63	<=30	Pass
			39	23.56	2.98	26.54	<=30	Pass

		75	0	23.58	2.98	26.56	<=30	Pass		
		1732.5	1	0	24.64	2.98	27.62	<=30	Pass	
				38	24.70	2.98	27.68	<=30	Pass	
				74	24.56	2.98	27.54	<=30	Pass	
				0	23.66	2.98	26.64	<=30	Pass	
			36	18	23.63	2.98	26.61	<=30	Pass	
				39	23.61	2.98	26.59	<=30	Pass	
		75	0	23.54	2.98	26.52	<=30	Pass		
		1747.5	1	0	24.52	2.98	27.50	<=30	Pass	
				38	24.49	2.98	27.47	<=30	Pass	
				74	24.41	2.98	27.39	<=30	Pass	
			36	0	23.58	2.98	26.56	<=30	Pass	
				18	23.61	2.98	26.59	<=30	Pass	
				39	23.50	2.98	26.48	<=30	Pass	
		75	0	23.53	2.98	26.51	<=30	Pass		
16QAM	1717.5	1	0	23.77	2.98	26.75	<=30	Pass		
			38	23.80	2.98	26.78	<=30	Pass		
			74	23.74	2.98	26.72	<=30	Pass		
		36	0	22.64	2.98	25.62	<=30	Pass		
			18	22.63	2.98	25.61	<=30	Pass		
			39	22.53	2.98	25.51	<=30	Pass		
		75	0	22.56	2.98	25.54	<=30	Pass		
		1732.5	1	0	23.77	2.98	26.75	<=30	Pass	
				38	23.83	2.98	26.81	<=30	Pass	
	74			23.70	2.98	26.68	<=30	Pass		
	36		0	22.70	2.98	25.68	<=30	Pass		
			18	22.67	2.98	25.65	<=30	Pass		
			39	22.63	2.98	25.61	<=30	Pass		
	75	0	22.56	2.98	25.54	<=30	Pass			
	1747.5	1	0	23.76	2.98	26.74	<=30	Pass		
			38	23.76	2.98	26.74	<=30	Pass		
			74	23.62	2.98	26.60	<=30	Pass		
		36	0	22.60	2.98	25.58	<=30	Pass		
			18	22.62	2.98	25.60	<=30	Pass		
			39	22.44	2.98	25.42	<=30	Pass		
		75	0	22.57	2.98	25.55	<=30	Pass		
		64QAM	1717.5	1	0	22.80	2.98	25.78	<=30	Pass
					38	22.83	2.98	25.81	<=30	Pass
	74				22.74	2.98	25.72	<=30	Pass	
36	0			21.60	2.98	24.58	<=30	Pass		
	18			21.65	2.98	24.63	<=30	Pass		
	39			21.55	2.98	24.53	<=30	Pass		
75	0			21.61	2.98	24.59	<=30	Pass		
1732.5	1			0	22.92	2.98	25.90	<=30	Pass	
				38	22.89	2.98	25.87	<=30	Pass	
			74	22.76	2.98	25.74	<=30	Pass		
	36		0	21.68	2.98	24.66	<=30	Pass		
			18	21.62	2.98	24.60	<=30	Pass		
			39	21.61	2.98	24.59	<=30	Pass		
75	0		21.56	2.98	24.54	<=30	Pass			
1747.5	1		0	22.73	2.98	25.71	<=30	Pass		
		38	22.76	2.98	25.74	<=30	Pass			
		74	22.66	2.98	25.64	<=30	Pass			
	36	0	21.58	2.98	24.56	<=30	Pass			
		18	21.59	2.98	24.57	<=30	Pass			
		39	21.46	2.98	24.44	<=30	Pass			
75	0	21.57	2.98	24.55	<=30	Pass				
Note1: EIRP=Conducted Power+Antenna Gain										

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	24.57	2.98	27.55	<=30	Pass
			50	24.61	2.98	27.59	<=30	Pass
			99	24.55	2.98	27.53	<=30	Pass
		50	0	23.55	2.98	26.53	<=30	Pass
			25	23.61	2.98	26.59	<=30	Pass
			50	23.51	2.98	26.49	<=30	Pass
		100	0	23.57	2.98	26.55	<=30	Pass
	1732.5	1	0	24.56	2.98	27.54	<=30	Pass
			50	24.65	2.98	27.63	<=30	Pass
			99	24.53	2.98	27.51	<=30	Pass
		50	0	23.63	2.98	26.61	<=30	Pass
			25	23.62	2.98	26.60	<=30	Pass
			50	23.57	2.98	26.55	<=30	Pass
		100	0	23.53	2.98	26.51	<=30	Pass
	1745	1	0	24.58	2.98	27.56	<=30	Pass
			50	24.53	2.98	27.51	<=30	Pass
			99	24.43	2.98	27.41	<=30	Pass
		50	0	23.61	2.98	26.59	<=30	Pass
			25	23.61	2.98	26.59	<=30	Pass
			50	23.47	2.98	26.45	<=30	Pass
		100	0	23.57	2.98	26.55	<=30	Pass
16QAM	1720	1	0	23.65	2.98	26.63	<=30	Pass
			50	23.69	2.98	26.67	<=30	Pass
			99	23.75	2.98	26.73	<=30	Pass
		50	0	22.56	2.98	25.54	<=30	Pass
			25	22.61	2.98	25.59	<=30	Pass
			50	22.51	2.98	25.49	<=30	Pass
		100	0	22.56	2.98	25.54	<=30	Pass
	1732.5	1	0	23.72	2.98	26.70	<=30	Pass
			50	23.86	2.98	26.84	<=30	Pass
			99	23.75	2.98	26.73	<=30	Pass
		50	0	22.66	2.98	25.64	<=30	Pass
			25	22.58	2.98	25.56	<=30	Pass
			50	22.55	2.98	25.53	<=30	Pass
		100	0	22.55	2.98	25.53	<=30	Pass
	1745	1	0	23.66	2.98	26.64	<=30	Pass
			50	23.67	2.98	26.65	<=30	Pass
			99	23.56	2.98	26.54	<=30	Pass
		50	0	22.59	2.98	25.57	<=30	Pass
			25	22.57	2.98	25.55	<=30	Pass
			50	22.44	2.98	25.42	<=30	Pass
		100	0	22.54	2.98	25.52	<=30	Pass
64QAM	1720	1	0	22.67	2.98	25.65	<=30	Pass
			50	22.75	2.98	25.73	<=30	Pass
			99	22.76	2.98	25.74	<=30	Pass
		50	0	21.59	2.98	24.57	<=30	Pass
			25	21.67	2.98	24.65	<=30	Pass
			50	21.55	2.98	24.53	<=30	Pass
		100	0	21.57	2.98	24.55	<=30	Pass
	1732.5	1	0	22.86	2.98	25.84	<=30	Pass
			50	22.91	2.98	25.89	<=30	Pass
			99	22.75	2.98	25.73	<=30	Pass
		50	0	21.70	2.98	24.68	<=30	Pass
			25	21.56	2.98	24.54	<=30	Pass
			50	21.51	2.98	24.49	<=30	Pass

		100	0	21.52	2.98	24.50	<=30	Pass
	1745	1	0	22.84	2.98	25.82	<=30	Pass
			50	22.78	2.98	25.76	<=30	Pass
			99	22.64	2.98	25.62	<=30	Pass
			0	21.64	2.98	24.62	<=30	Pass
		50	25	21.52	2.98	24.50	<=30	Pass
			50	21.48	2.98	24.46	<=30	Pass
			100	0	21.57	2.98	24.55	<=30
	Note1: EIRP=Conducted Power+Antenna Gain							

2. Frequency Stability

2.1 Test Result

2.1.1 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.3	-4.700	-0.0027	/	Pass
					3.8	-0.800	-0.0005	/	Pass
					4.4	-1.200	-0.0007	/	Pass
				-30	3.8	-2.600	-0.0015	/	Pass
				-20	3.8	-3.000	-0.0017	/	Pass
				-10	3.8	-1.800	-0.0010	/	Pass
				0	3.8	-2.200	-0.0013	/	Pass
				10	3.8	-1.500	-0.0009	/	Pass
				30	3.8	-0.900	-0.0005	/	Pass
				40	3.8	-0.800	-0.0005	/	Pass
				50	3.8	-1.500	-0.0009	/	Pass
	1732.5	100	0	20	3.3	-1.900	-0.0011	/	Pass
					3.8	-3.300	-0.0019	/	Pass
					4.4	-2.200	-0.0013	/	Pass
				-30	3.8	-3.600	-0.0021	/	Pass
				-20	3.8	-2.700	-0.0016	/	Pass
				-10	3.8	-2.400	-0.0014	/	Pass
				0	3.8	-3.000	-0.0017	/	Pass
				10	3.8	-2.100	-0.0012	/	Pass
				30	3.8	-3.700	-0.0021	/	Pass
				40	3.8	-2.000	-0.0012	/	Pass
				50	3.8	-0.800	-0.0005	/	Pass
	1745	100	0	20	3.3	-3.100	-0.0018	/	Pass
					3.8	-3.800	-0.0022	/	Pass
					4.4	-2.700	-0.0015	/	Pass
				-30	3.8	-2.700	-0.0015	/	Pass
				-20	3.8	-4.600	-0.0026	/	Pass
				-10	3.8	-1.600	-0.0009	/	Pass
				0	3.8	-3.300	-0.0019	/	Pass
				10	3.8	-1.700	-0.0010	/	Pass
				30	3.8	-1.800	-0.0010	/	Pass
				40	3.8	-3.000	-0.0017	/	Pass
				50	3.8	-2.000	-0.0011	/	Pass
16QAM	1720	100	0	20	3.3	-0.500	-0.0003	/	Pass
					3.8	-1.900	-0.0011	/	Pass
					4.4	-1.900	-0.0011	/	Pass
				-30	3.8	-2.300	-0.0013	/	Pass
				-20	3.8	-1.700	-0.0010	/	Pass
				-10	3.8	0.000	0.0000	/	Pass
				0	3.8	-0.200	-0.0001	/	Pass
				10	3.8	-1.600	-0.0009	/	Pass
				30	3.8	-2.500	-0.0015	/	Pass
				40	3.8	-2.500	-0.0015	/	Pass
				50	3.8	-2.300	-0.0013	/	Pass
	1732.5	100	0	20	3.3	-4.400	-0.0025	/	Pass
					3.8	-3.200	-0.0018	/	Pass
					4.4	-4.200	-0.0024	/	Pass
				-30	3.8	-2.100	-0.0012	/	Pass

				-20	3.8	-1.300	-0.0008	/	Pass
				-10	3.8	-2.900	-0.0017	/	Pass
				0	3.8	-2.400	-0.0014	/	Pass
				10	3.8	-2.200	-0.0013	/	Pass
				30	3.8	-2.900	-0.0017	/	Pass
				40	3.8	-2.700	-0.0016	/	Pass
				50	3.8	-1.700	-0.0010	/	Pass
	1745	100	0	20	3.3	-1.800	-0.0010	/	Pass
					3.8	-3.500	-0.0020	/	Pass
					4.4	-2.100	-0.0012	/	Pass
				-30	3.8	-2.100	-0.0012	/	Pass
				-20	3.8	-2.800	-0.0016	/	Pass
				-10	3.8	-2.900	-0.0017	/	Pass
				0	3.8	-1.300	-0.0007	/	Pass
				10	3.8	-2.500	-0.0014	/	Pass
				30	3.8	-2.500	-0.0014	/	Pass
				40	3.8	-3.600	-0.0021	/	Pass
				50	3.8	-3.000	-0.0017	/	Pass
64QAM	1720	100	0	20	3.3	3.900	0.0023	/	Pass
					3.8	8.100	0.0047	/	Pass
					4.4	4.100	0.0024	/	Pass
				-30	3.8	-13.100	-0.0076	/	Pass
				-20	3.8	-8.700	-0.0051	/	Pass
				-10	3.8	3.400	0.0020	/	Pass
				0	3.8	6.200	0.0036	/	Pass
				10	3.8	0.700	0.0004	/	Pass
				30	3.8	2.800	0.0016	/	Pass
				40	3.8	-3.600	-0.0021	/	Pass
				50	3.8	-19.000	-0.0110	/	Pass
	1732.5	100	0	20	3.3	-8.200	-0.0047	/	Pass
					3.8	-17.300	-0.0100	/	Pass
					4.4	-4.000	-0.0023	/	Pass
				-30	3.8	-6.700	-0.0039	/	Pass
				-20	3.8	-4.300	-0.0025	/	Pass
				-10	3.8	-2.800	-0.0016	/	Pass
				0	3.8	-10.200	-0.0059	/	Pass
				10	3.8	1.300	0.0008	/	Pass
				30	3.8	-0.600	-0.0003	/	Pass
				40	3.8	-8.300	-0.0048	/	Pass
				50	3.8	4.300	0.0025	/	Pass
	1745	100	0	20	3.3	-11.900	-0.0068	/	Pass
					3.8	5.800	0.0033	/	Pass
					4.4	-11.100	-0.0064	/	Pass
				-30	3.8	8.000	0.0046	/	Pass
				-20	3.8	-9.600	-0.0055	/	Pass
				-10	3.8	10.000	0.0057	/	Pass
				0	3.8	-15.700	-0.0090	/	Pass
				10	3.8	8.300	0.0048	/	Pass
				30	3.8	-2.000	-0.0011	/	Pass
				40	3.8	-23.900	-0.0137	/	Pass
				50	3.8	-16.100	-0.0092	/	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.118	/	Pass
		1754.3	6	0	1.120	/	Pass
	16QAM	1710.7	6	0	1.120	/	Pass
		1732.5	6	0	1.118	/	Pass
		1754.3	6	0	1.128	/	Pass
	64QAM	1710.7	6	0	1.115	/	Pass
		1732.5	6	0	1.117	/	Pass
		1754.3	6	0	1.114	/	Pass
3	QPSK	1711.5	15	0	2.735	/	Pass
		1732.5	15	0	2.731	/	Pass
		1753.5	15	0	2.731	/	Pass
	16QAM	1711.5	15	0	2.726	/	Pass
		1732.5	15	0	2.729	/	Pass
		1753.5	15	0	2.728	/	Pass
	64QAM	1711.5	15	0	2.727	/	Pass
		1732.5	15	0	2.733	/	Pass
		1753.5	15	0	2.722	/	Pass
5	QPSK	1712.5	25	0	4.547	/	Pass
		1732.5	25	0	4.559	/	Pass
		1752.5	25	0	4.545	/	Pass
	16QAM	1712.5	25	0	4.566	/	Pass
		1732.5	25	0	4.545	/	Pass
		1752.5	25	0	4.563	/	Pass
	64QAM	1712.5	25	0	4.556	/	Pass
		1732.5	25	0	4.550	/	Pass
		1752.5	25	0	4.548	/	Pass
10	QPSK	1715	50	0	9.108	/	Pass
		1732.5	50	0	9.092	/	Pass
		1750	50	0	9.100	/	Pass
	16QAM	1715	50	0	9.097	/	Pass
		1732.5	50	0	9.074	/	Pass
		1750	50	0	9.098	/	Pass
	64QAM	1715	50	0	9.072	/	Pass
		1732.5	50	0	9.055	/	Pass
		1750	50	0	9.087	/	Pass
15	QPSK	1717.5	75	0	13.617	/	Pass
		1732.5	75	0	13.631	/	Pass
		1747.5	75	0	13.655	/	Pass
	16QAM	1717.5	75	0	13.635	/	Pass
		1732.5	75	0	13.641	/	Pass
		1747.5	75	0	13.652	/	Pass
	64QAM	1717.5	75	0	13.590	/	Pass
		1732.5	75	0	13.633	/	Pass
		1747.5	75	0	13.686	/	Pass
20	QPSK	1720	100	0	18.153	/	Pass
		1732.5	100	0	18.065	/	Pass
		1745	100	0	18.180	/	Pass

	16QAM	1720	100	0	18.190	/	Pass
		1732.5	100	0	18.072	/	Pass
		1745	100	0	18.185	/	Pass
	64QAM	1720	100	0	18.169	/	Pass
		1732.5	100	0	18.141	/	Pass
		1745	100	0	18.212	/	Pass

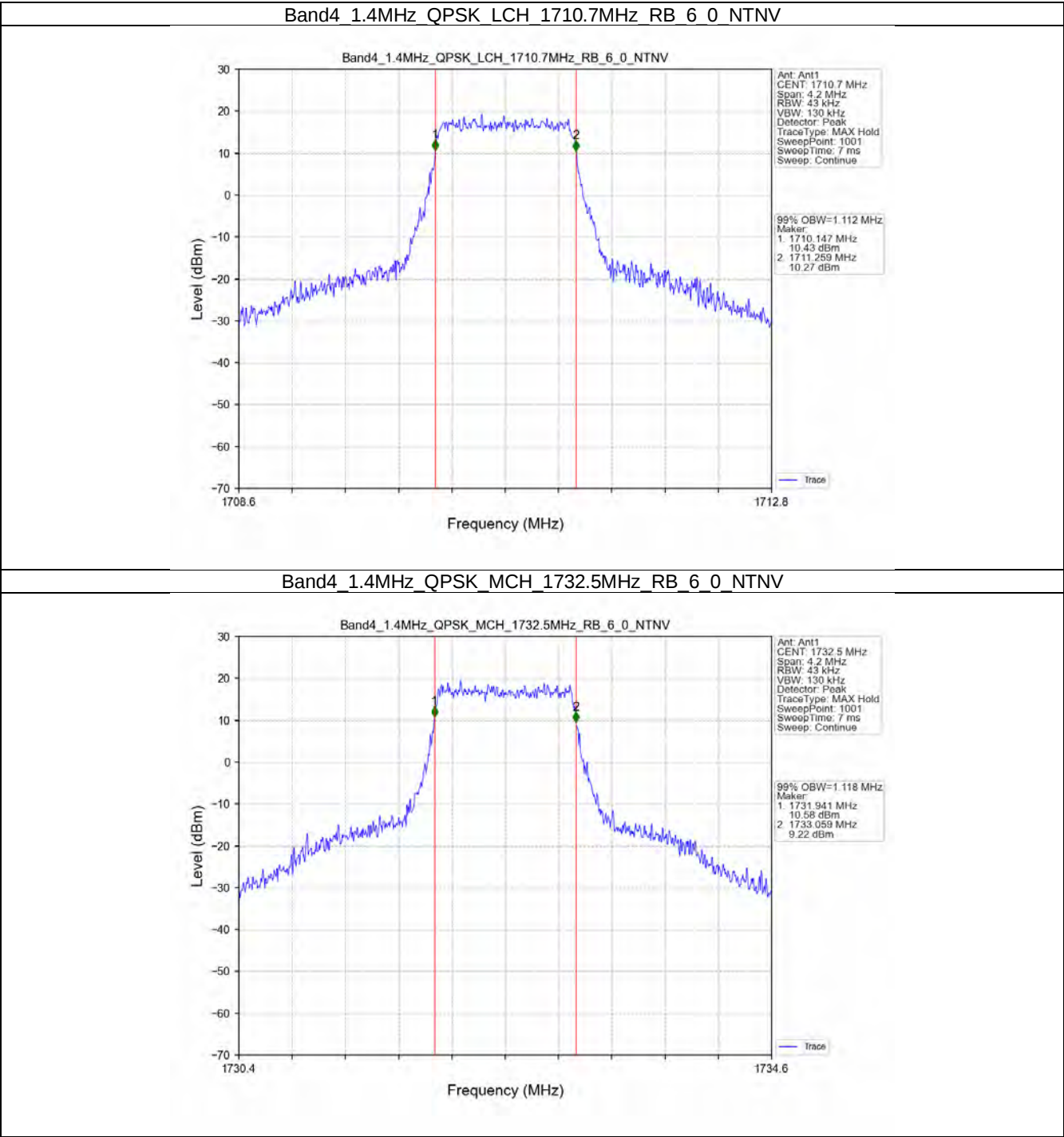
3.1.2 Band4_XDB

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.388	/	Pass
		1732.5	6	0	1.366	/	Pass
		1754.3	6	0	1.373	/	Pass
	16QAM	1710.7	6	0	1.440	/	Pass
		1732.5	6	0	1.425	/	Pass
		1754.3	6	0	1.386	/	Pass
	64QAM	1710.7	6	0	1.405	/	Pass
		1732.5	6	0	1.417	/	Pass
		1754.3	6	0	1.410	/	Pass
3	QPSK	1711.5	15	0	3.100	/	Pass
		1732.5	15	0	3.096	/	Pass
		1753.5	15	0	3.081	/	Pass
	16QAM	1711.5	15	0	3.060	/	Pass
		1732.5	15	0	3.111	/	Pass
		1753.5	15	0	3.106	/	Pass
	64QAM	1711.5	15	0	3.088	/	Pass
		1732.5	15	0	3.066	/	Pass
		1753.5	15	0	3.087	/	Pass
5	QPSK	1712.5	25	0	5.266	/	Pass
		1732.5	25	0	5.248	/	Pass
		1752.5	25	0	5.167	/	Pass
	16QAM	1712.5	25	0	5.288	/	Pass
		1732.5	25	0	5.295	/	Pass
		1752.5	25	0	5.225	/	Pass
	64QAM	1712.5	25	0	5.213	/	Pass
		1732.5	25	0	5.225	/	Pass
		1752.5	25	0	5.283	/	Pass
10	QPSK	1715	50	0	10.127	/	Pass
		1732.5	50	0	10.165	/	Pass
		1750	50	0	10.159	/	Pass
	16QAM	1715	50	0	10.150	/	Pass
		1732.5	50	0	10.204	/	Pass
		1750	50	0	10.250	/	Pass
	64QAM	1715	50	0	10.210	/	Pass
		1732.5	50	0	10.124	/	Pass
		1750	50	0	10.238	/	Pass
15	QPSK	1717.5	75	0	15.223	/	Pass
		1732.5	75	0	15.137	/	Pass
		1747.5	75	0	15.364	/	Pass
	16QAM	1717.5	75	0	15.101	/	Pass
		1732.5	75	0	15.106	/	Pass
		1747.5	75	0	15.158	/	Pass
	64QAM	1717.5	75	0	15.158	/	Pass
		1732.5	75	0	15.043	/	Pass
		1747.5	75	0	15.127	/	Pass
20	QPSK	1720	100	0	20.151	/	Pass
		1732.5	100	0	19.960	/	Pass

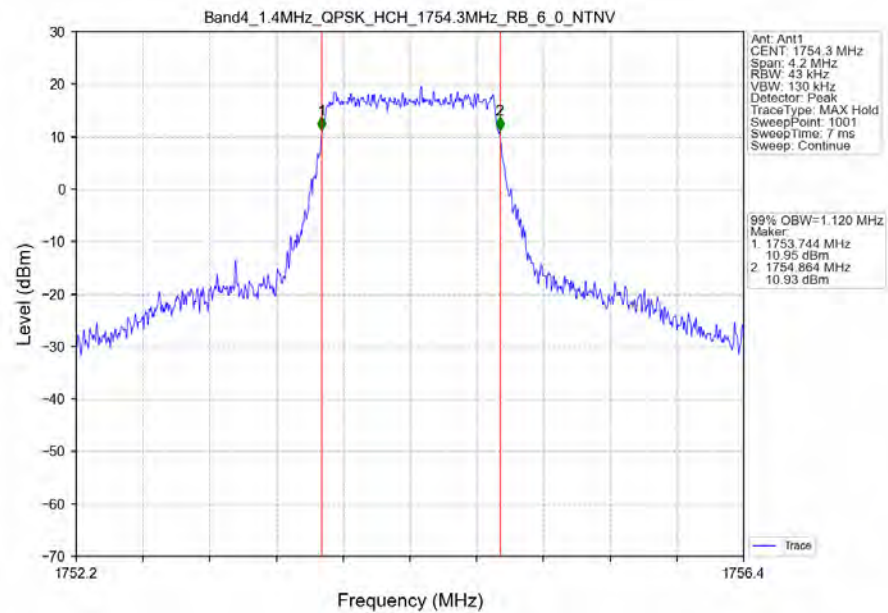
		1745	100	0	20.115	/	Pass
	16QAM	1720	100	0	20.081	/	Pass
		1732.5	100	0	19.959	/	Pass
		1745	100	0	20.146	/	Pass
	64QAM	1720	100	0	20.065	/	Pass
		1732.5	100	0	19.859	/	Pass
		1745	100	0	19.995	/	Pass

3.2 Test Graph

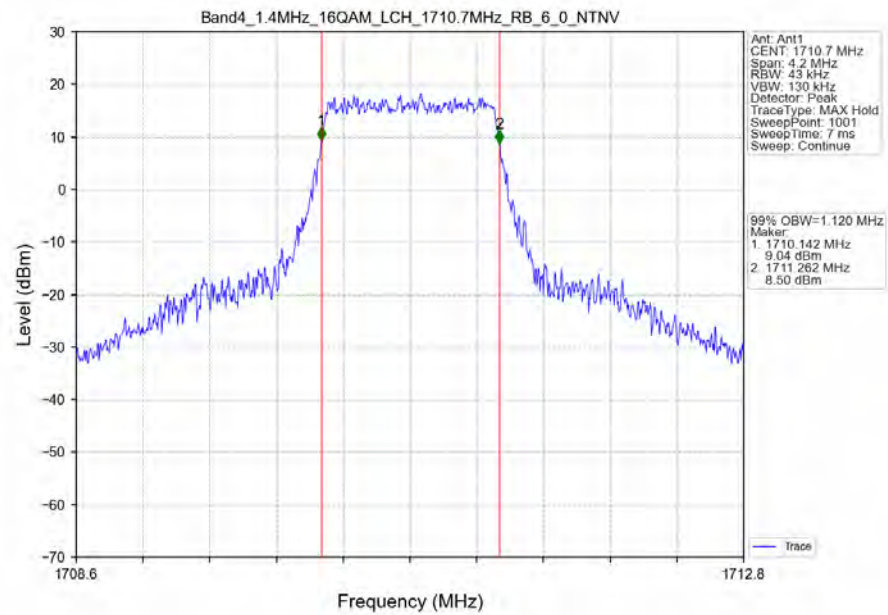
3.2.1 Band4_OBW



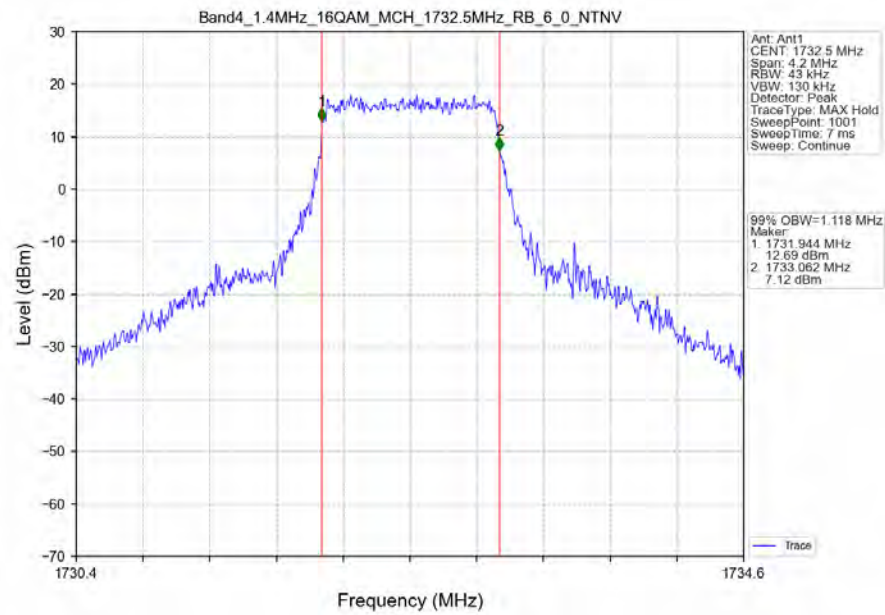
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



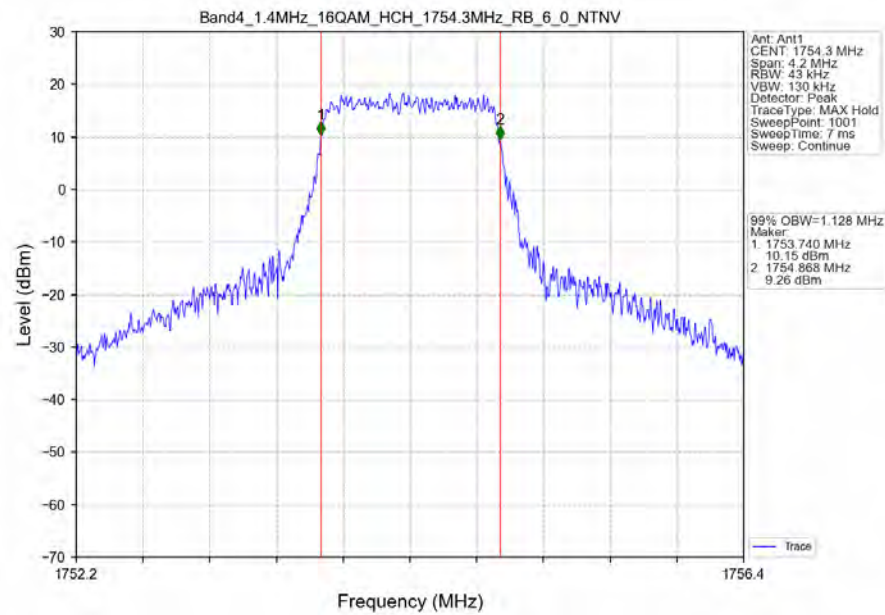
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



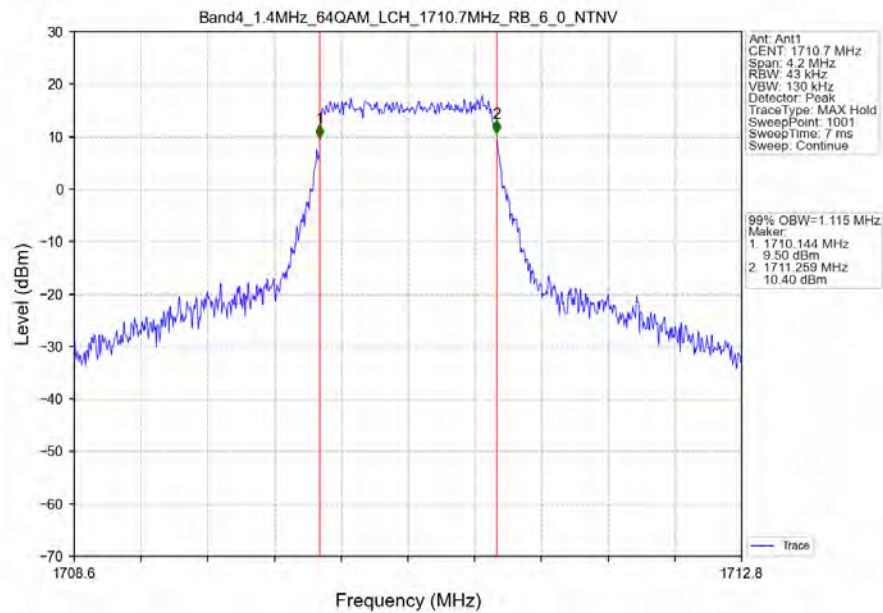
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



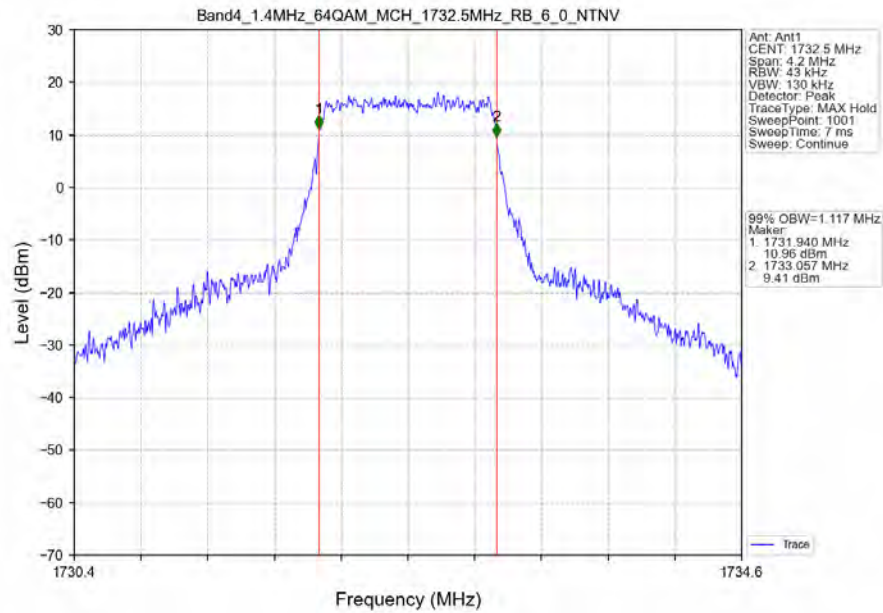
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



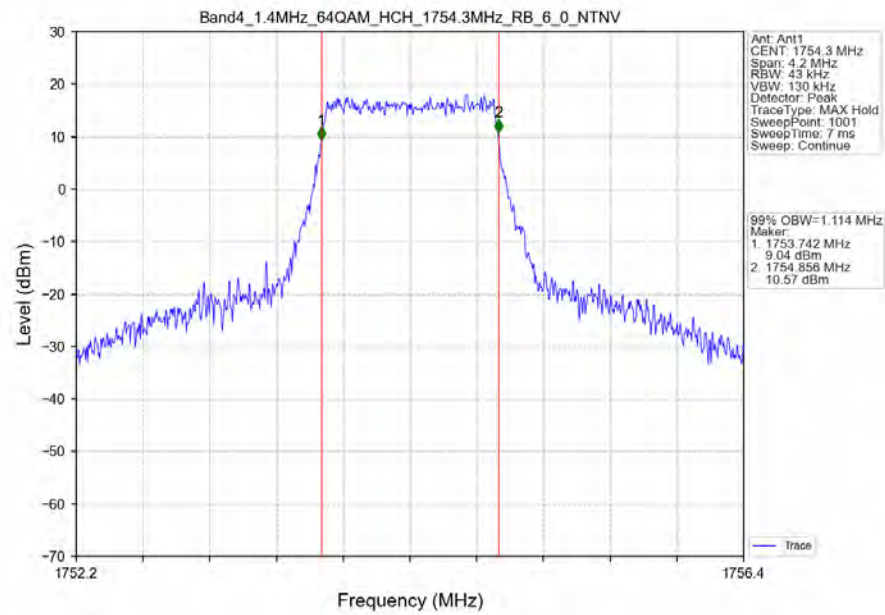
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



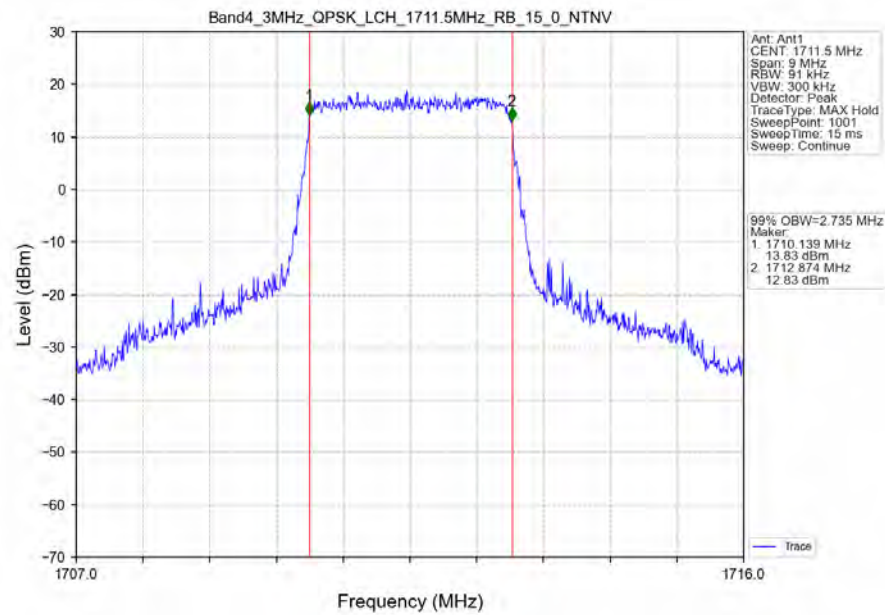
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



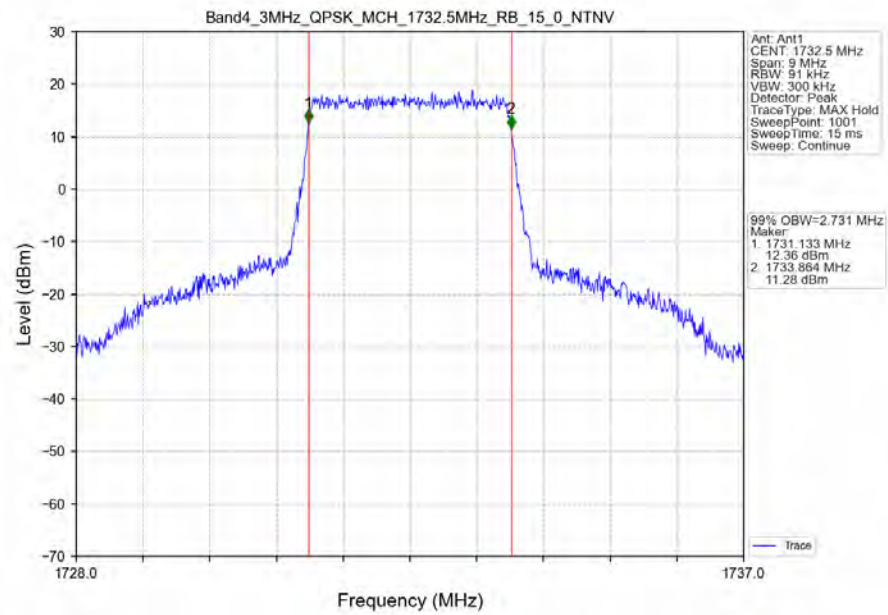
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



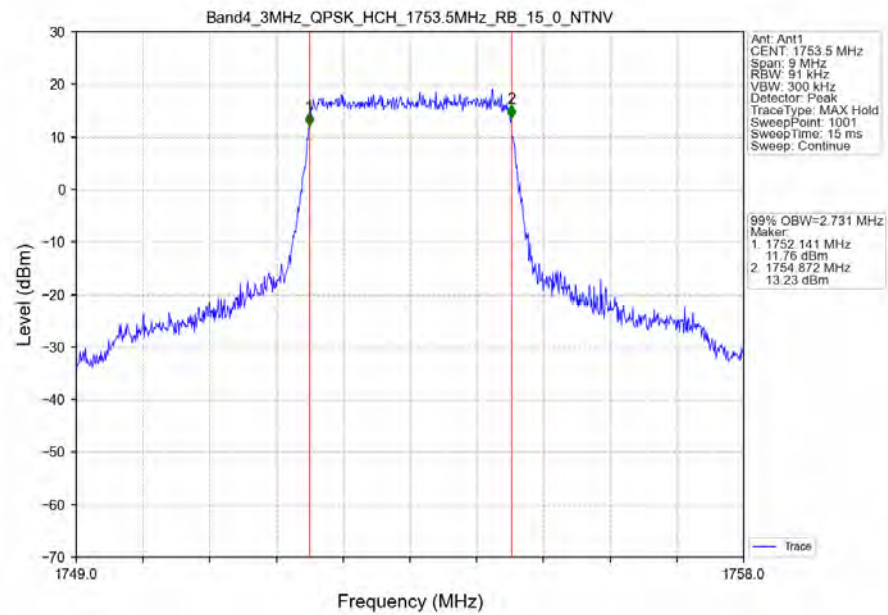
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



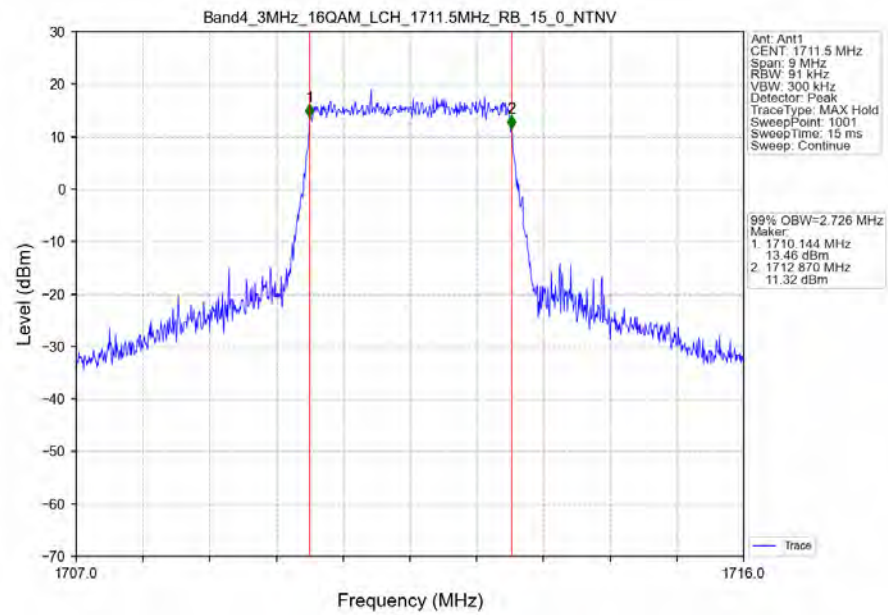
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



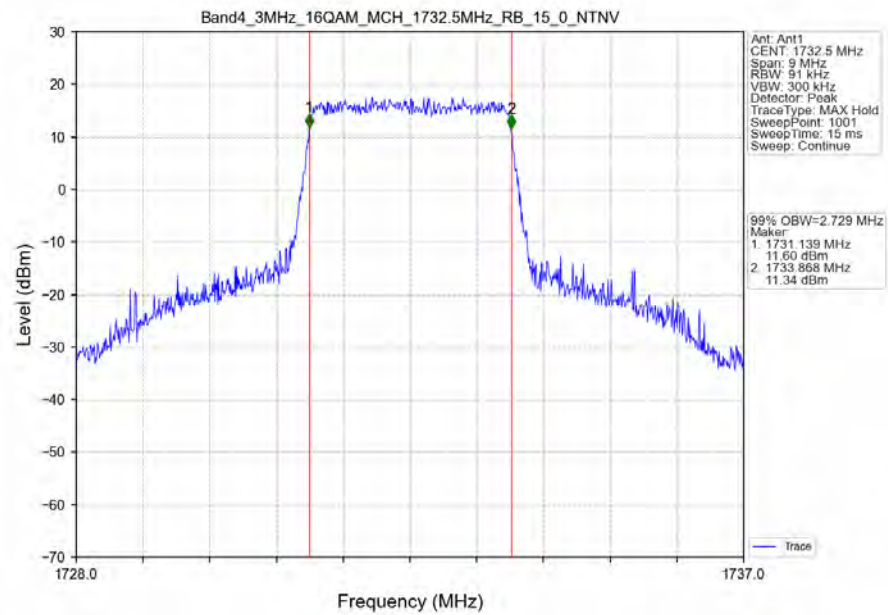
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



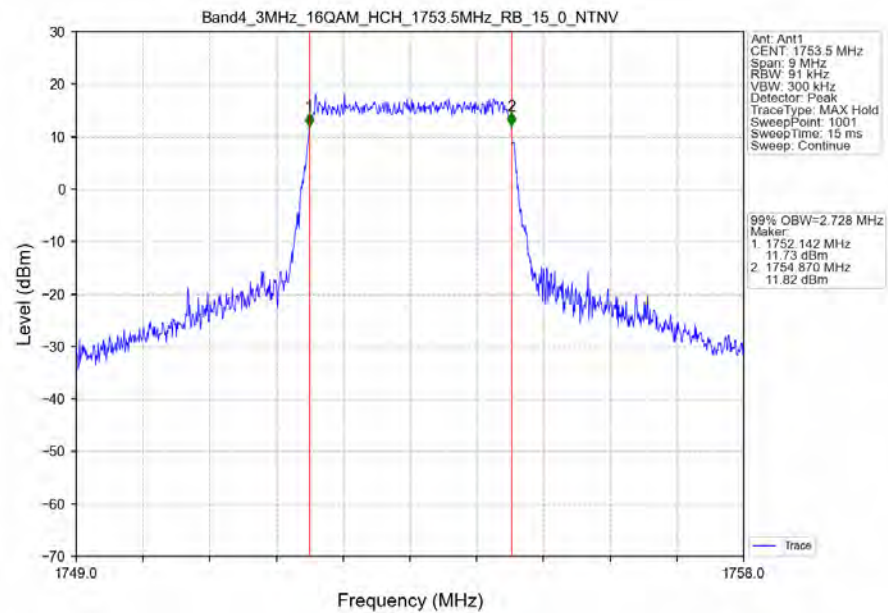
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



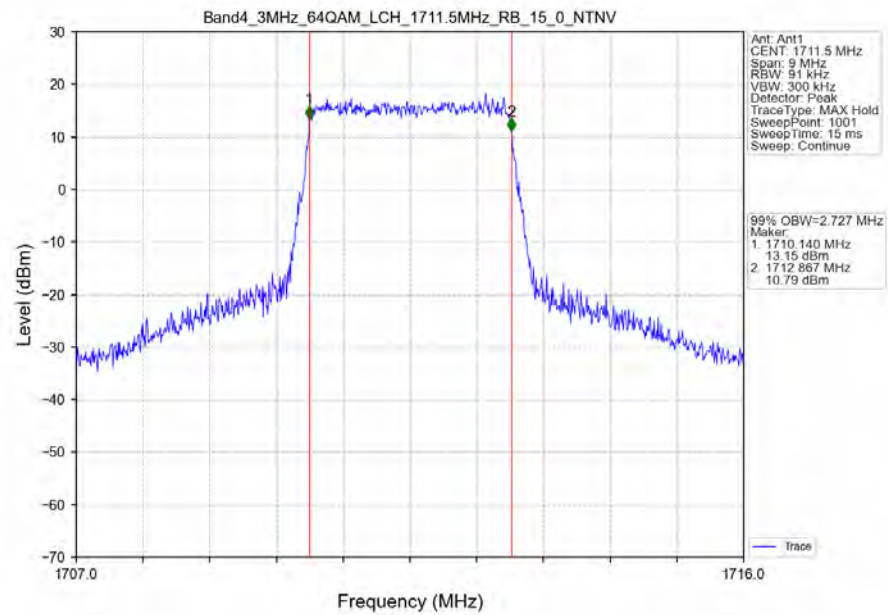
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



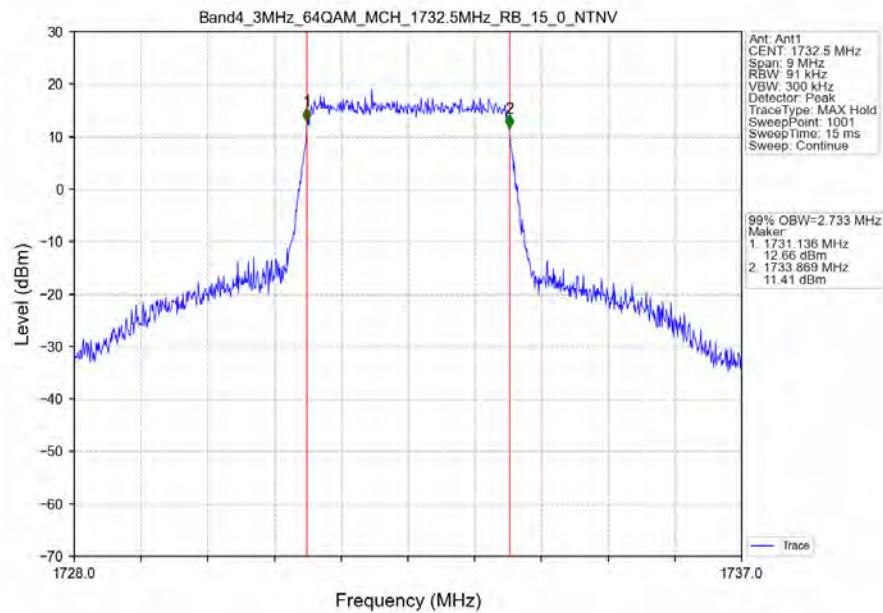
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



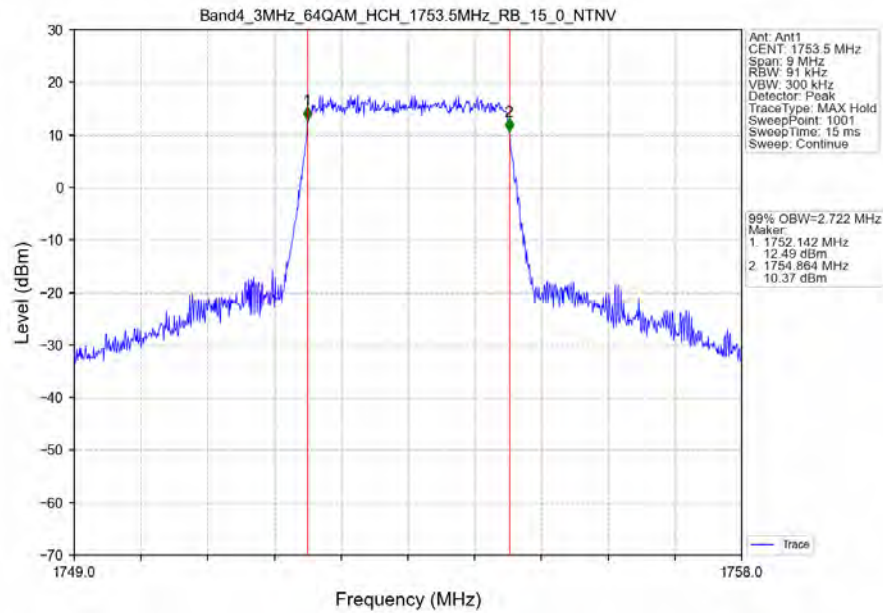
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



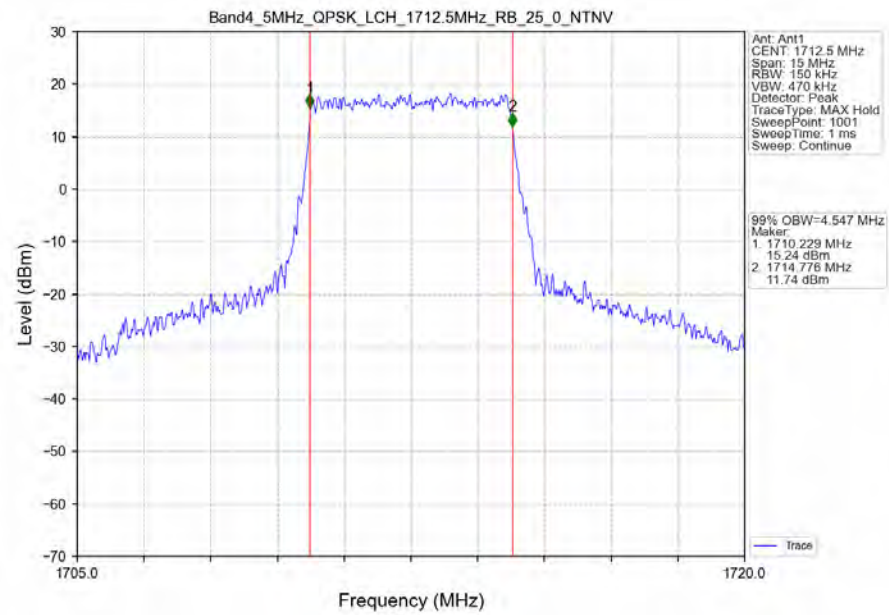
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



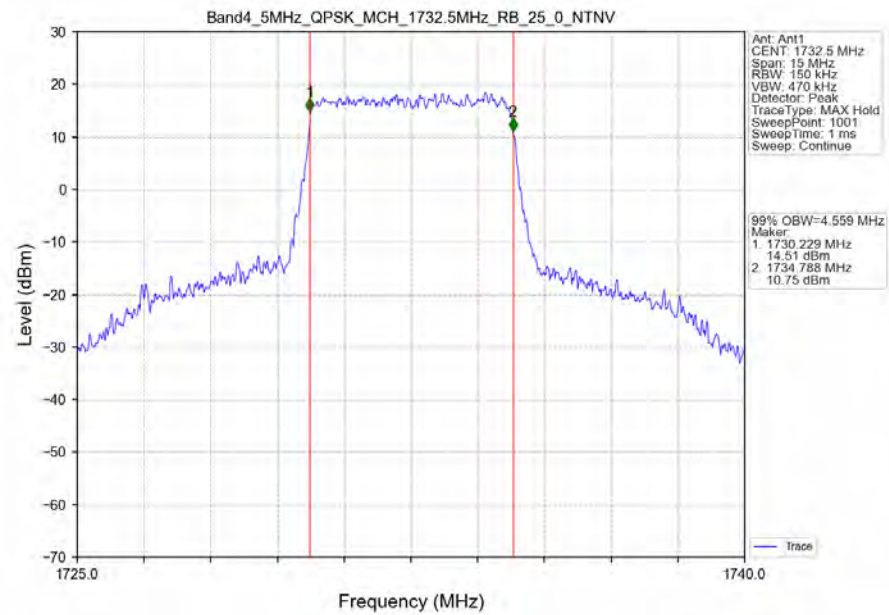
Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



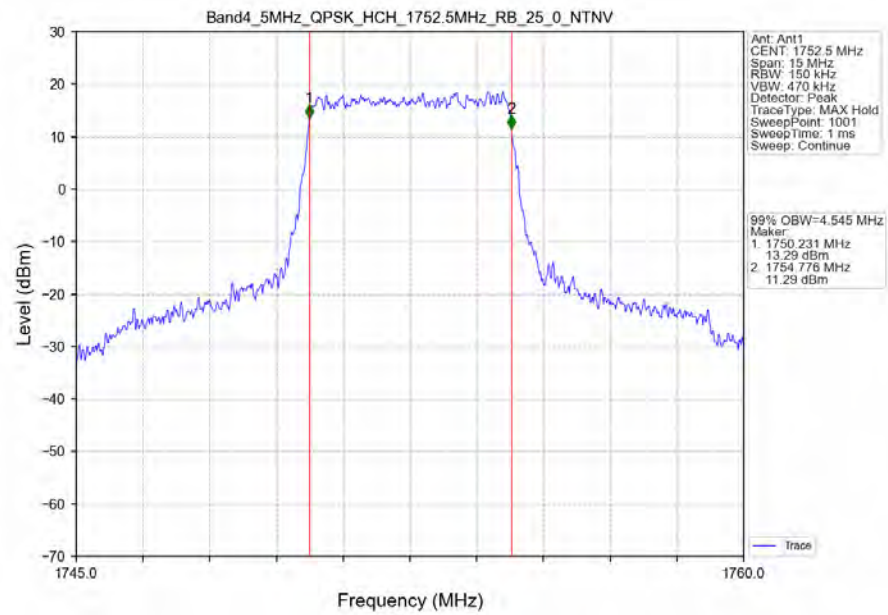
Band4 5MHz QPSK_LCH_1712.5MHz_RB_25_0_NTNV



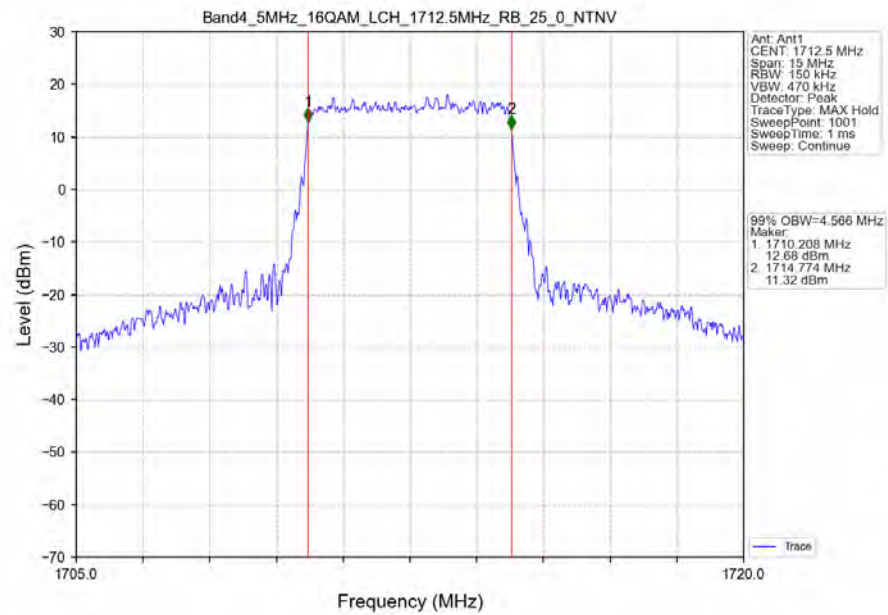
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



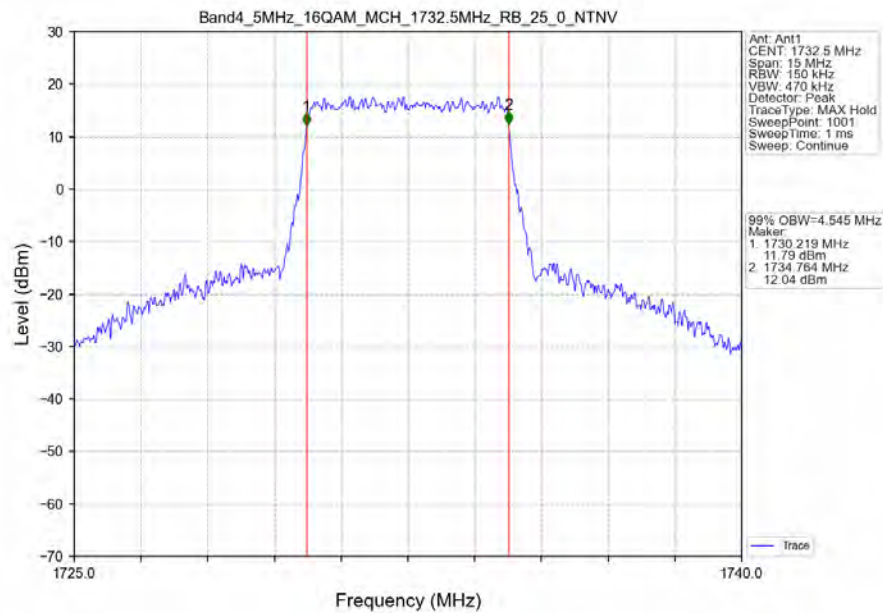
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



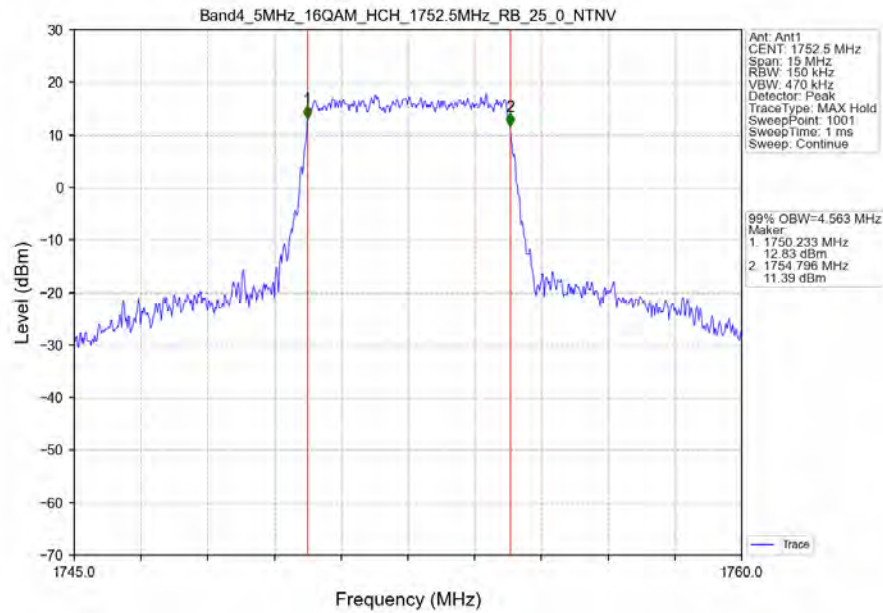
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



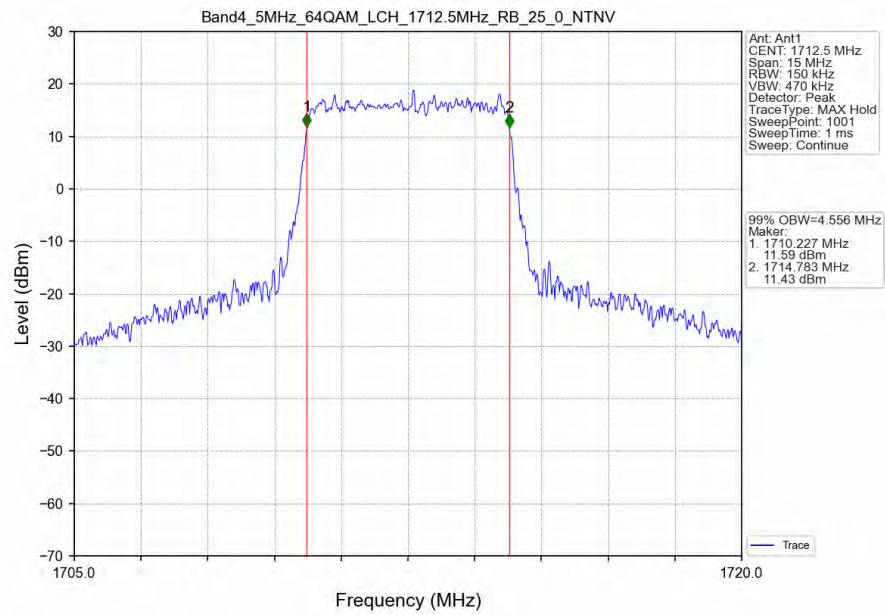
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



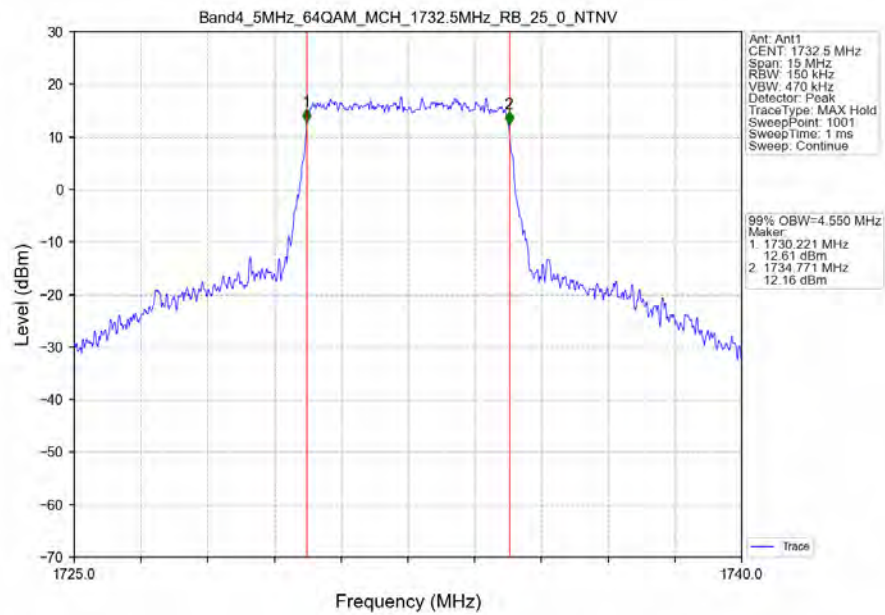
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



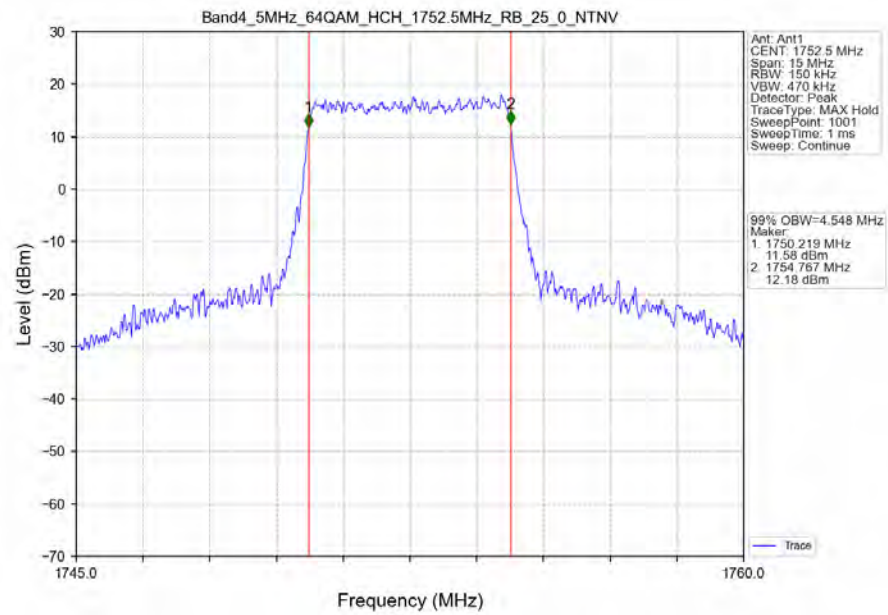
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



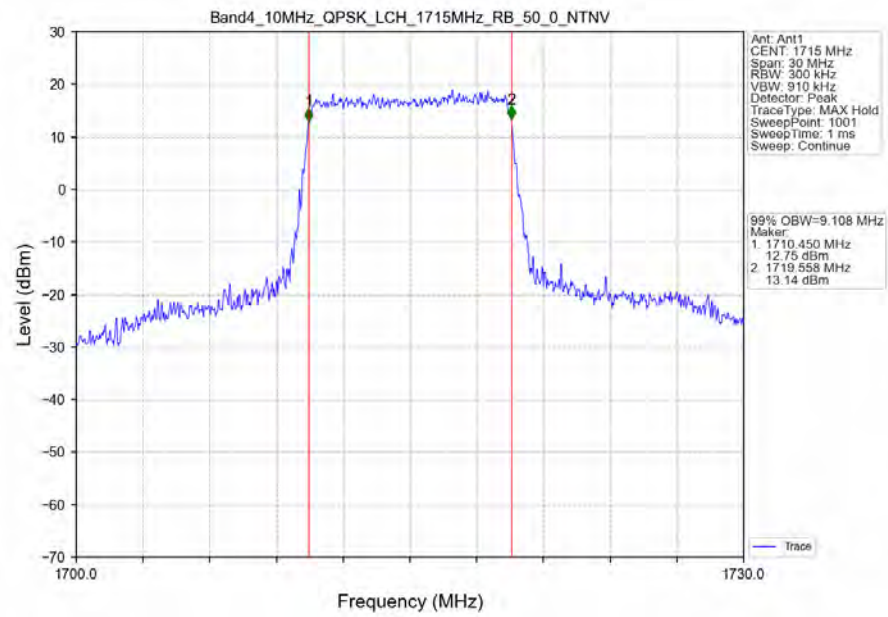
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



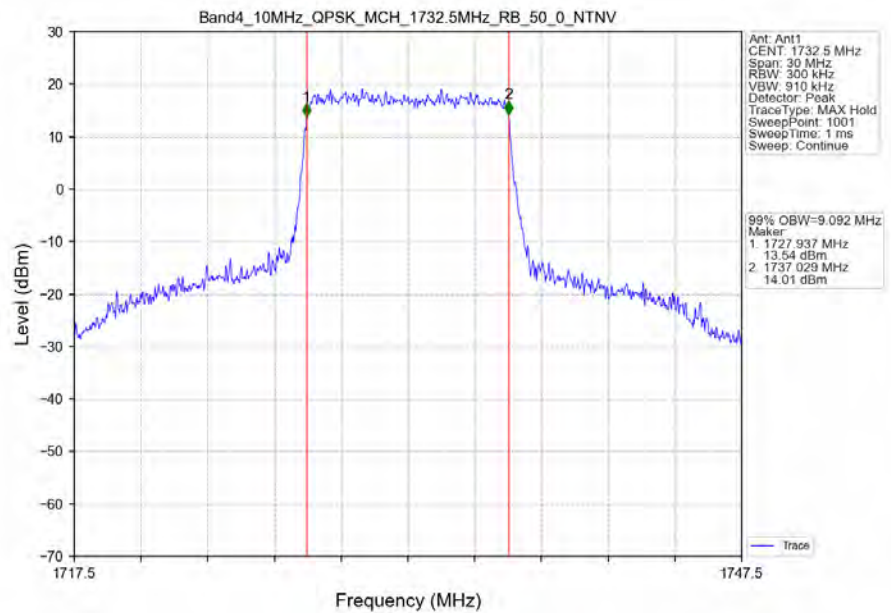
Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



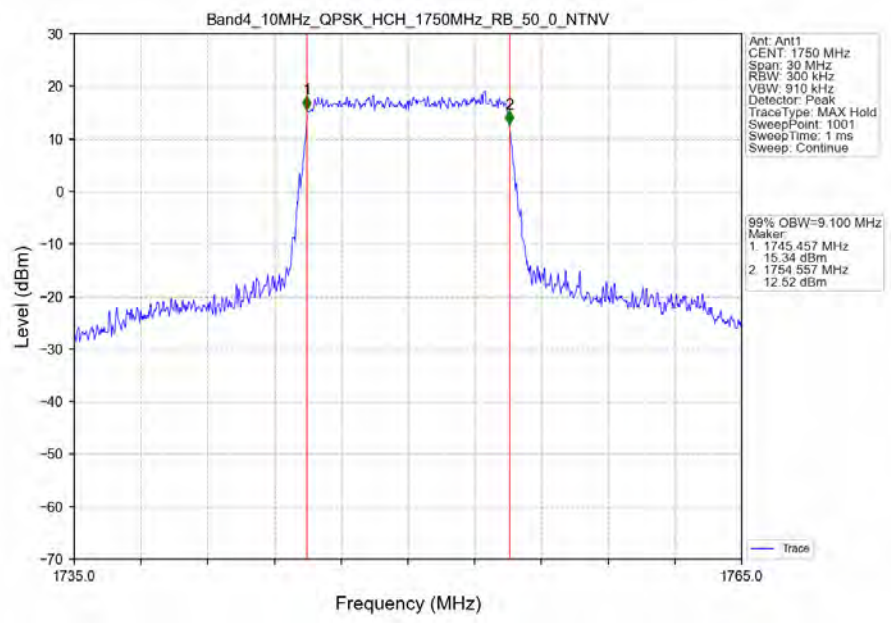
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



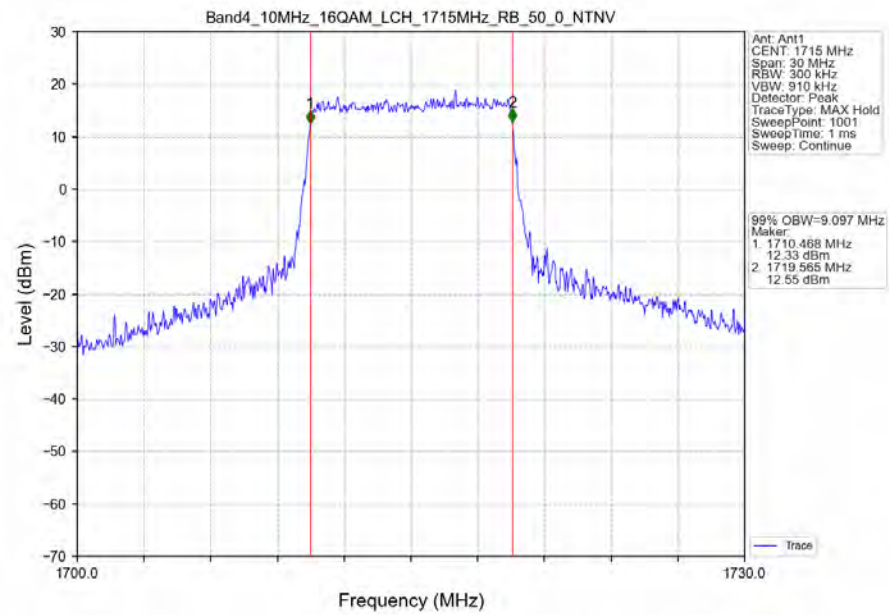
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



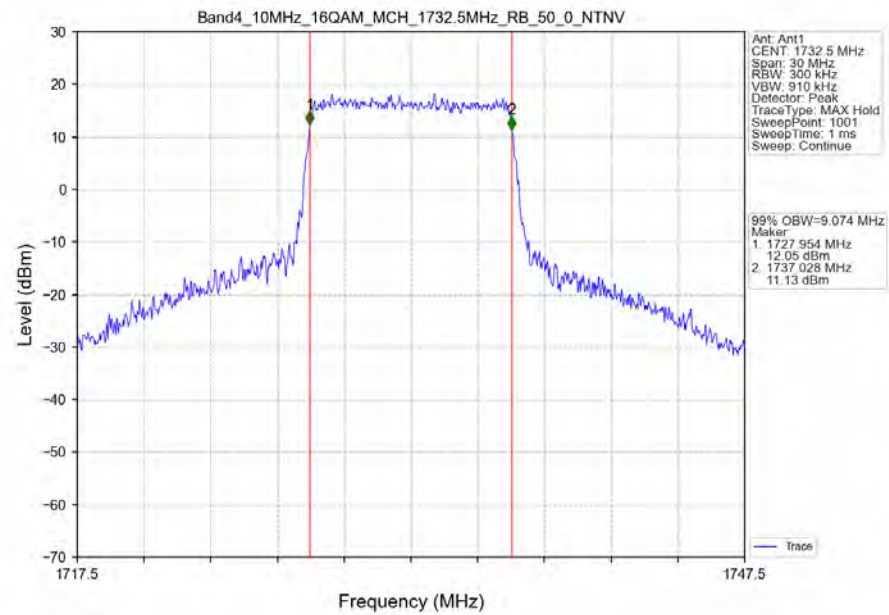
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



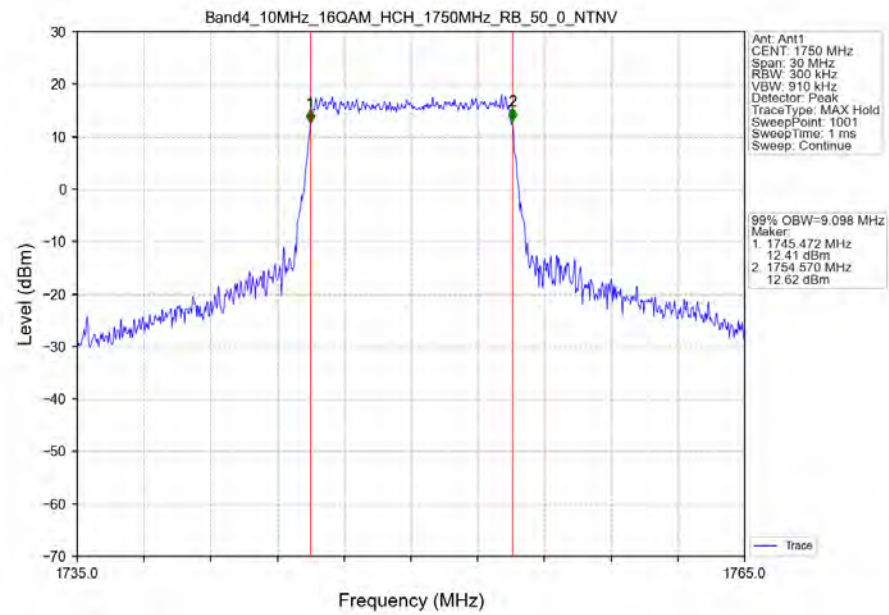
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



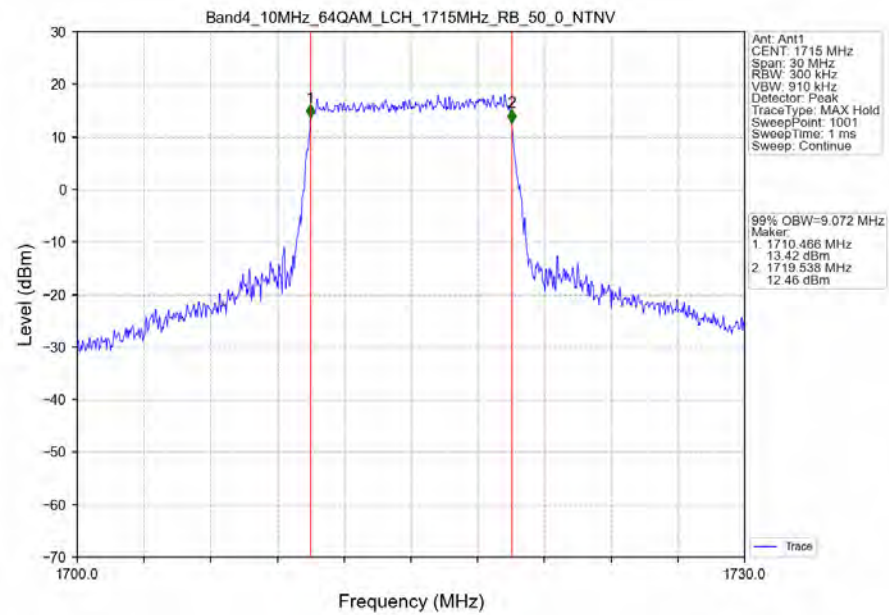
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



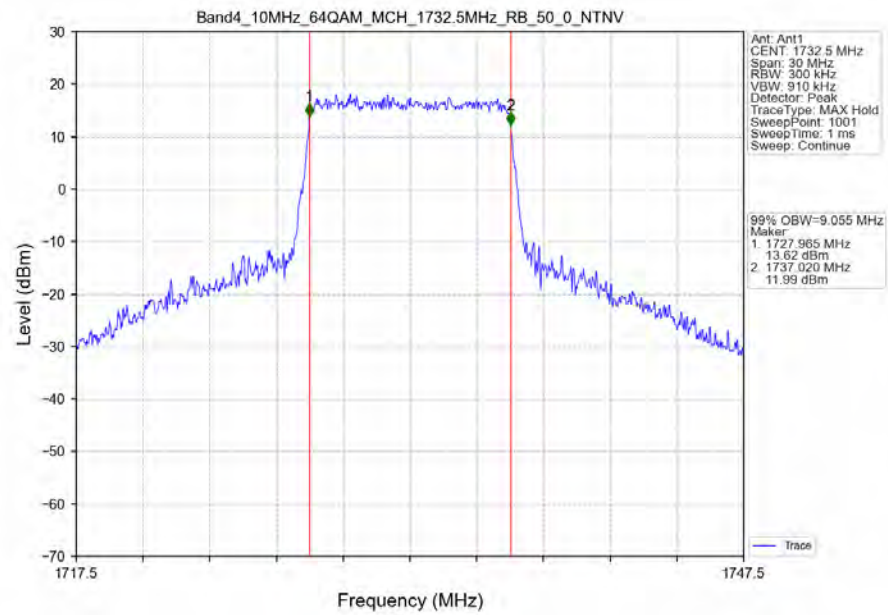
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



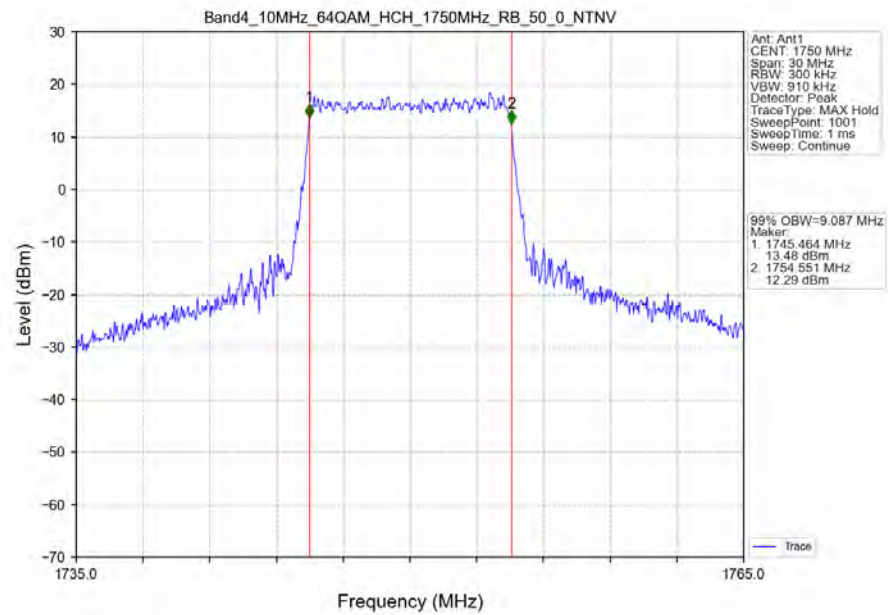
Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



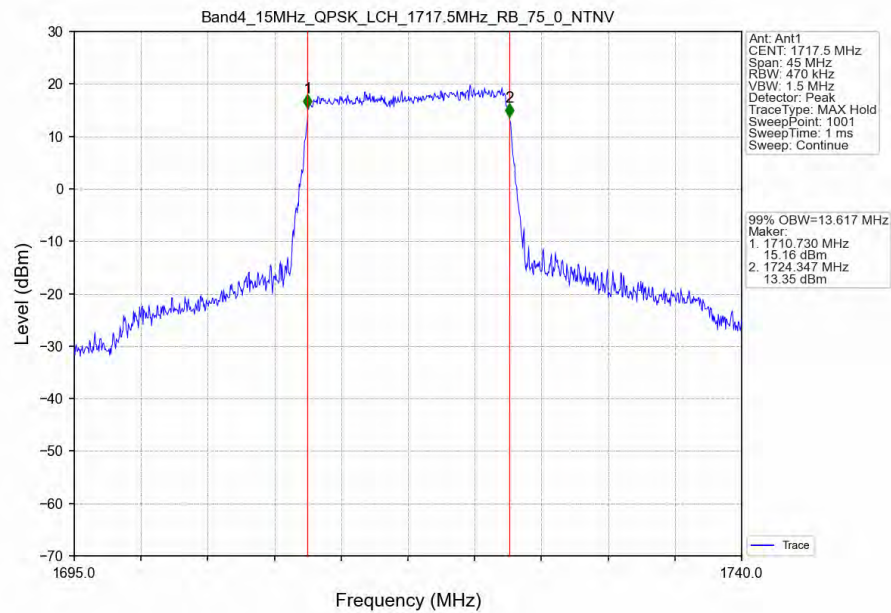
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



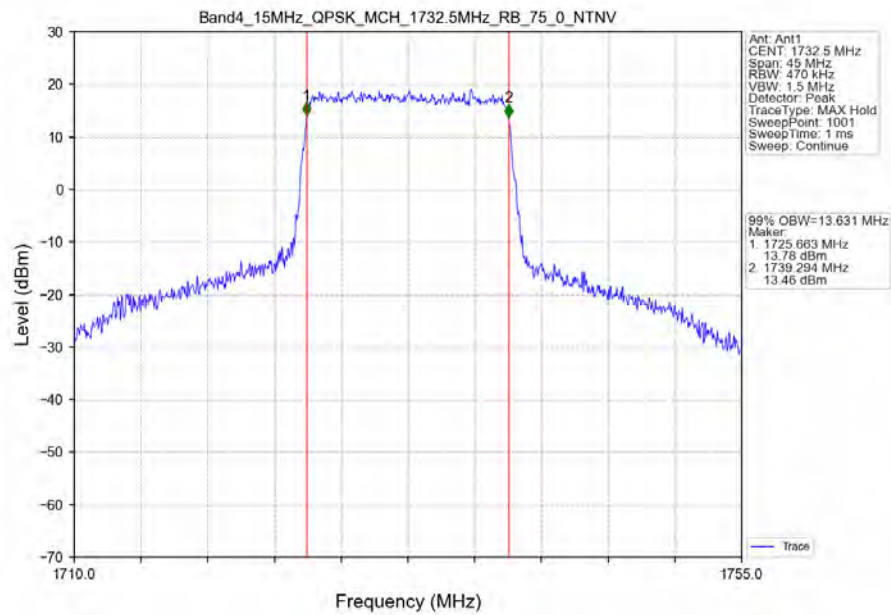
Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



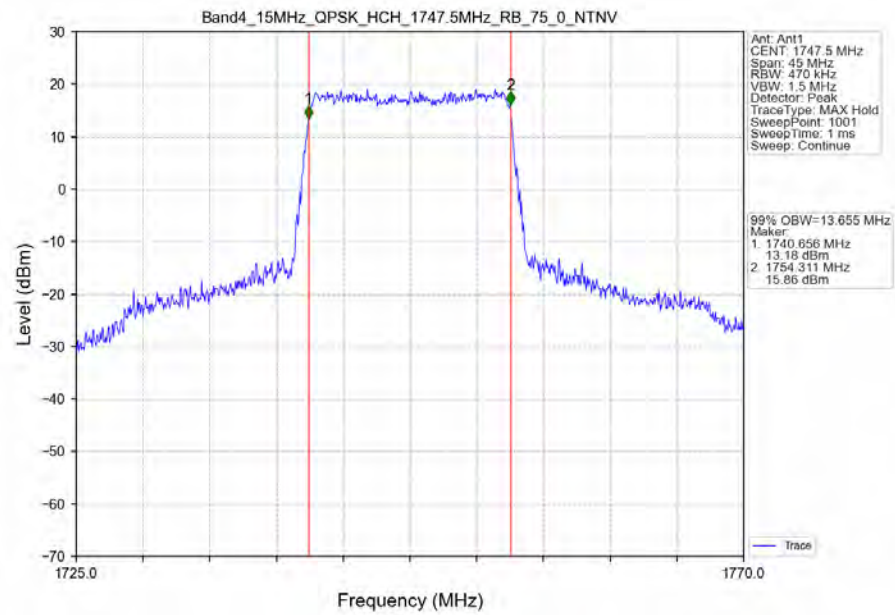
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



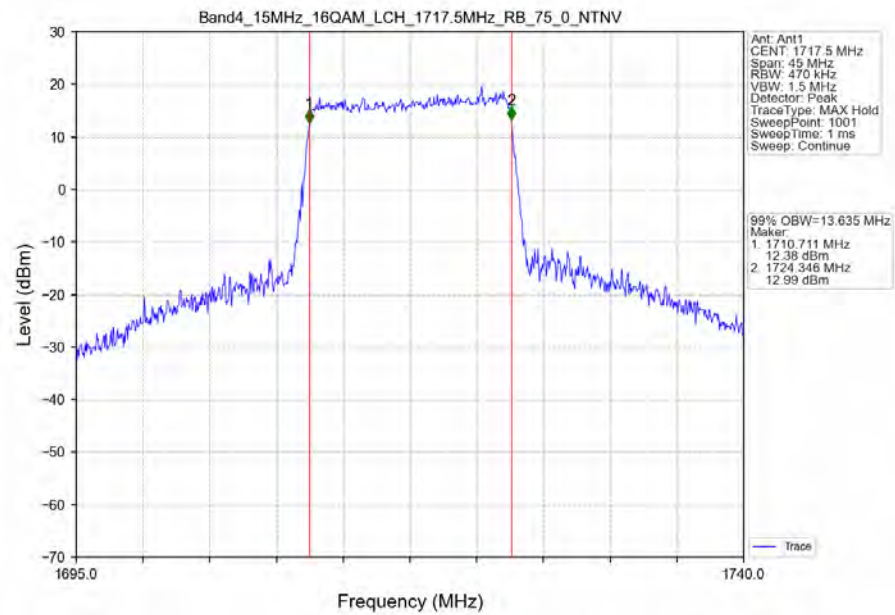
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



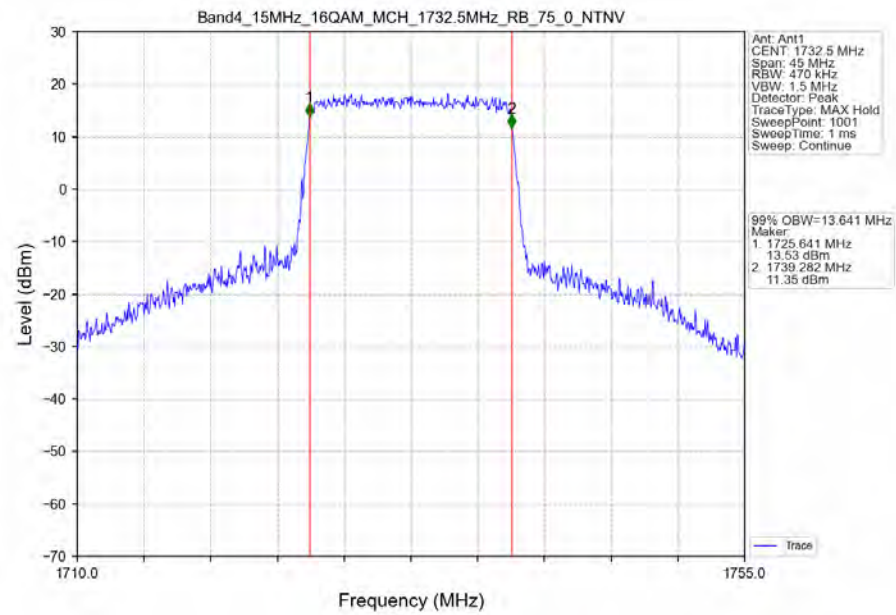
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



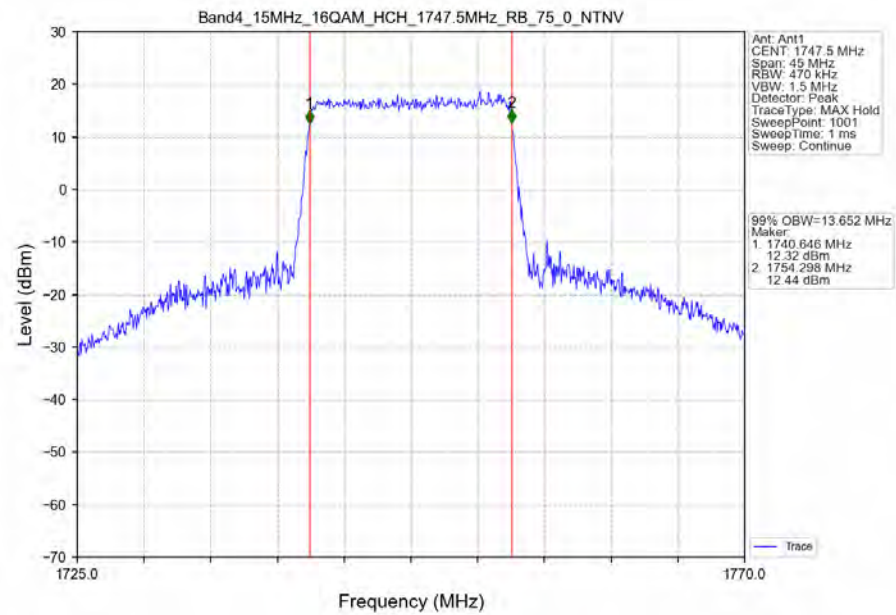
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



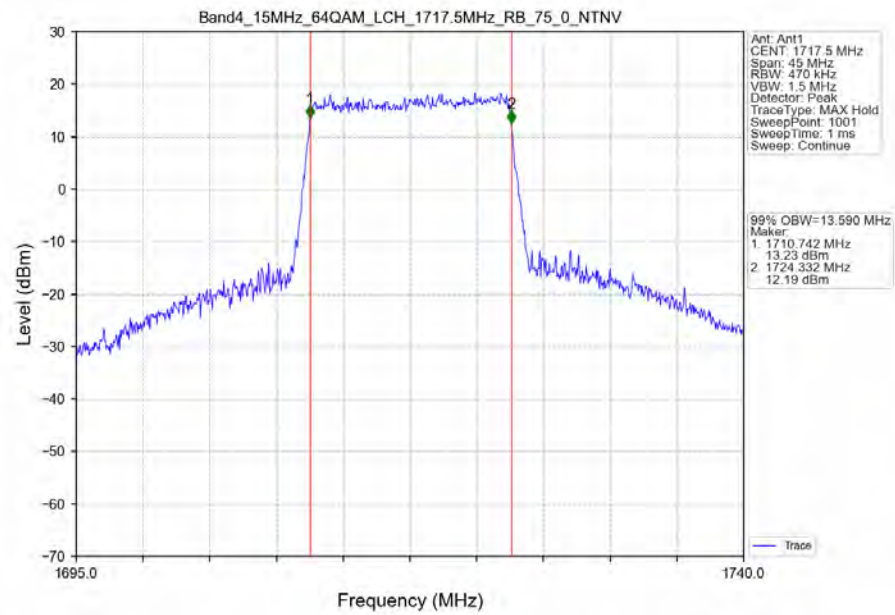
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



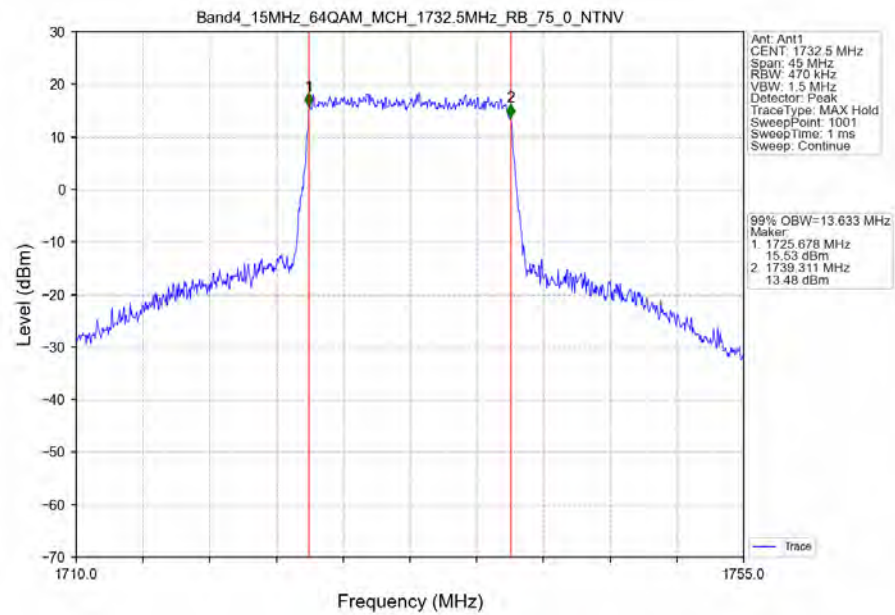
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



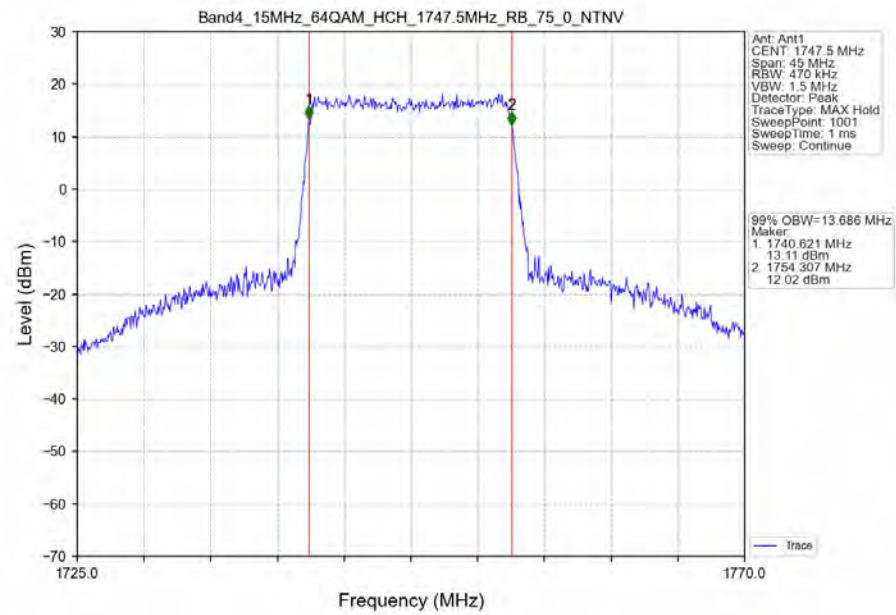
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



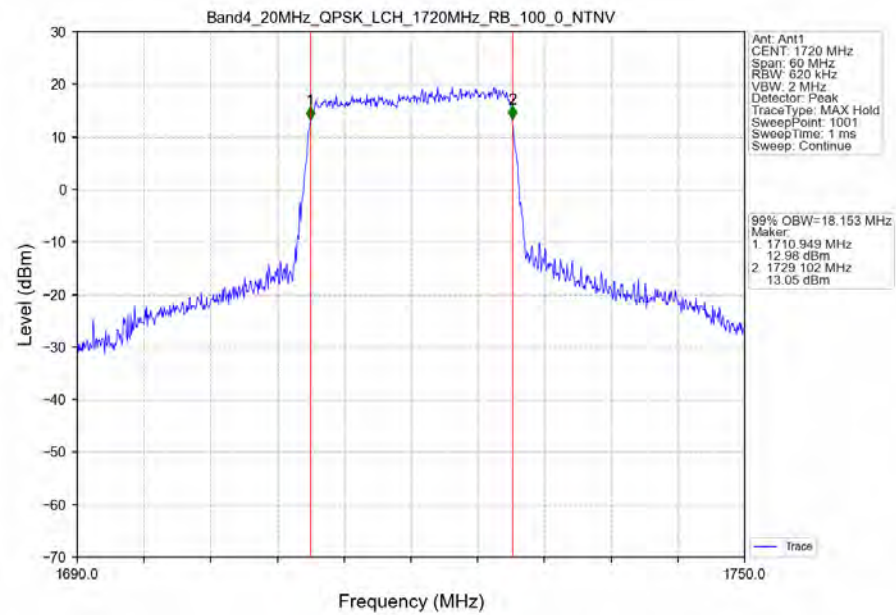
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV



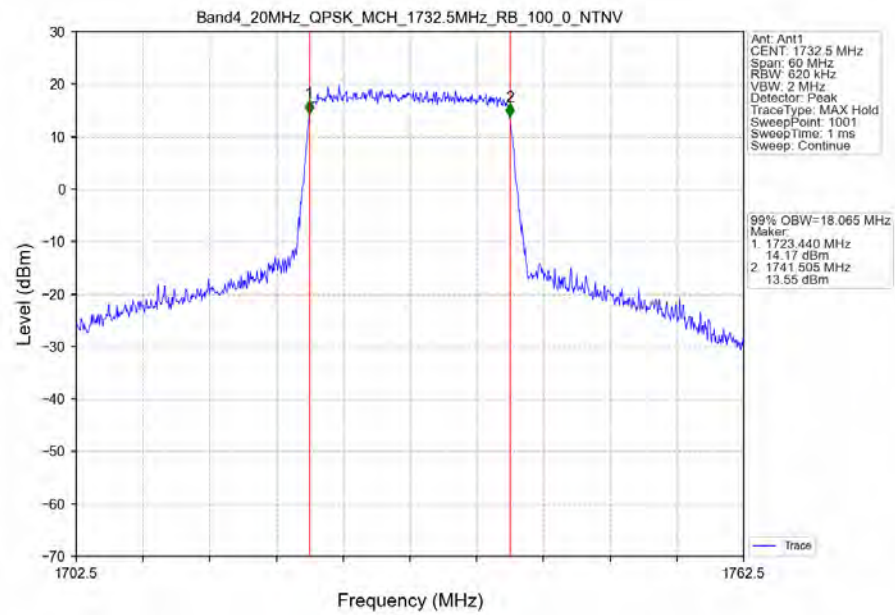
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV



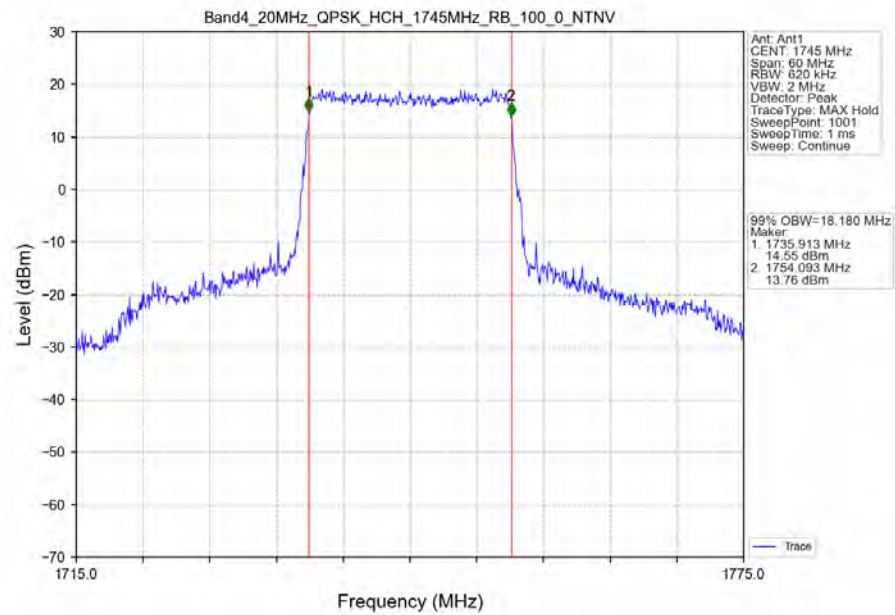
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



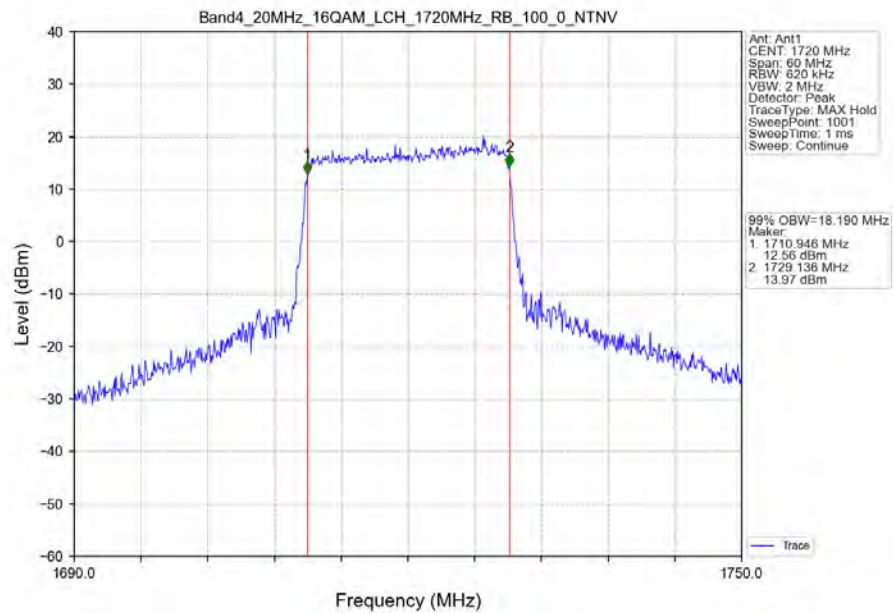
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



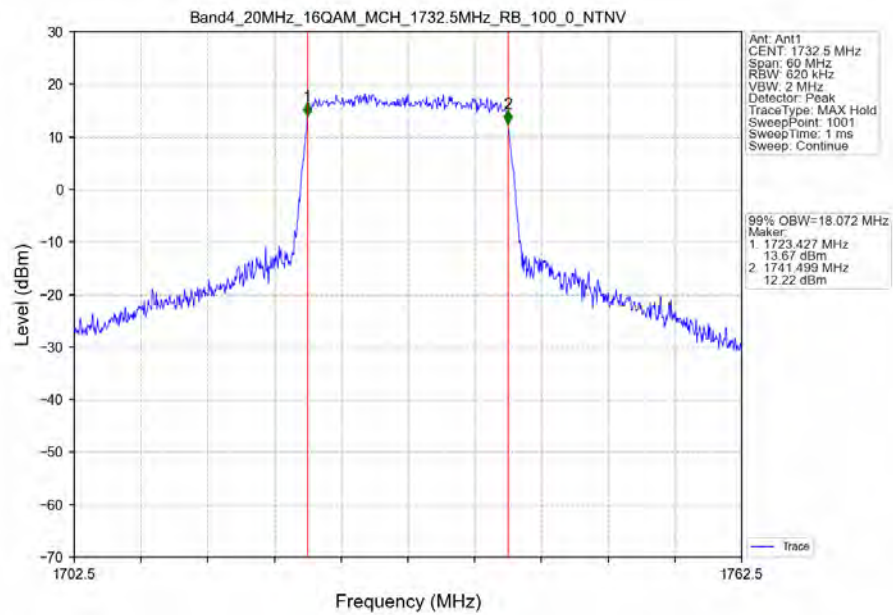
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



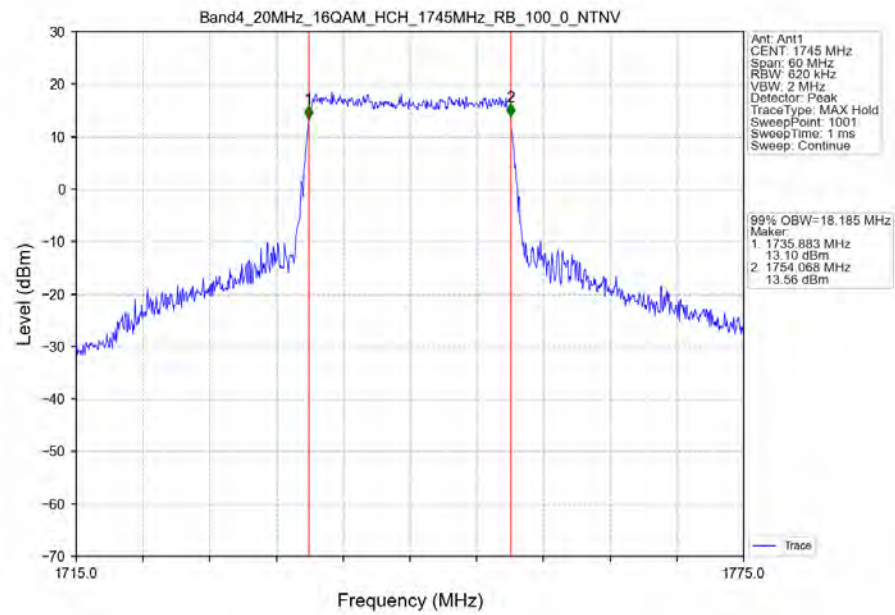
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



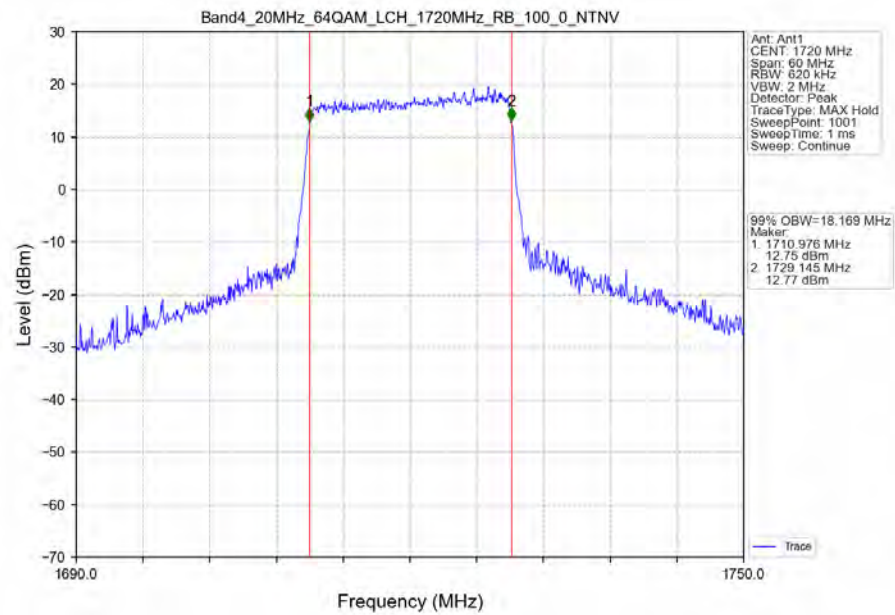
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



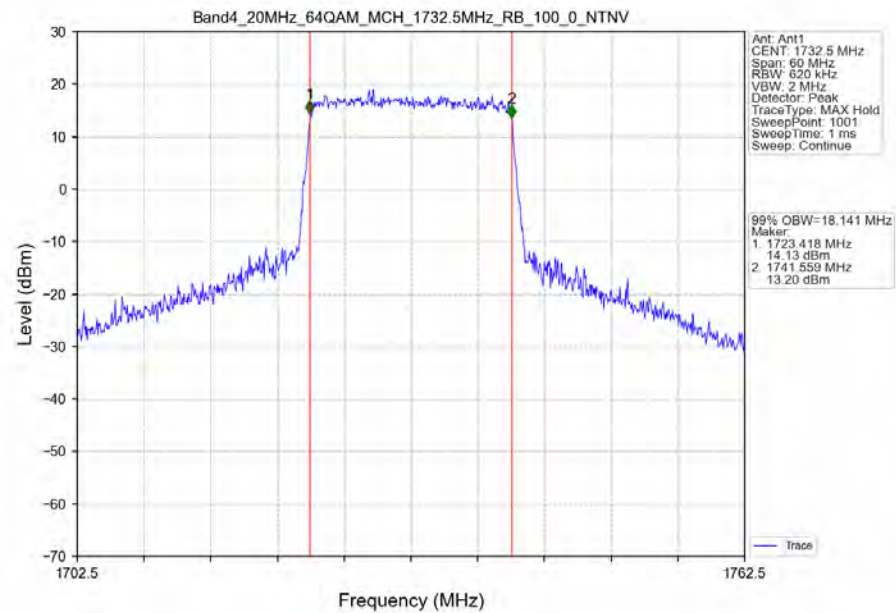
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



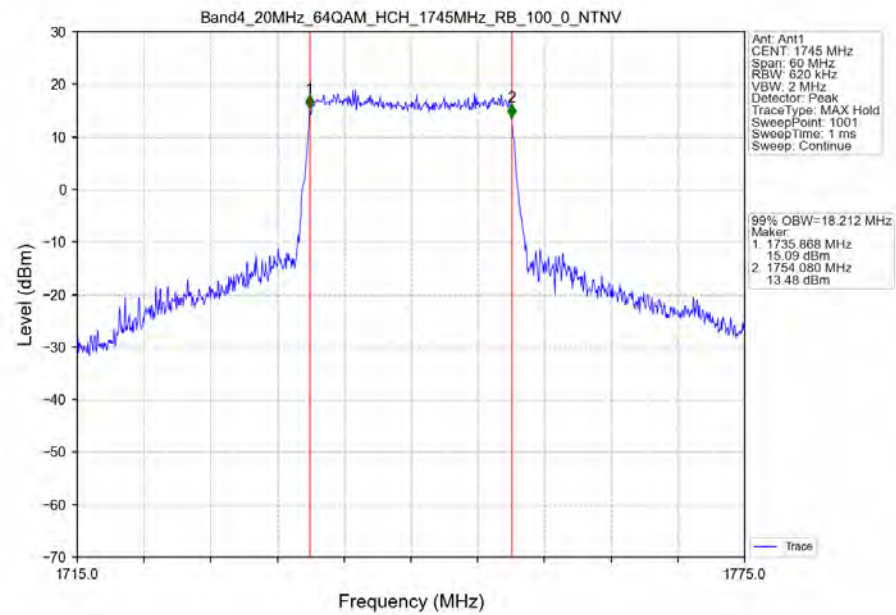
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV

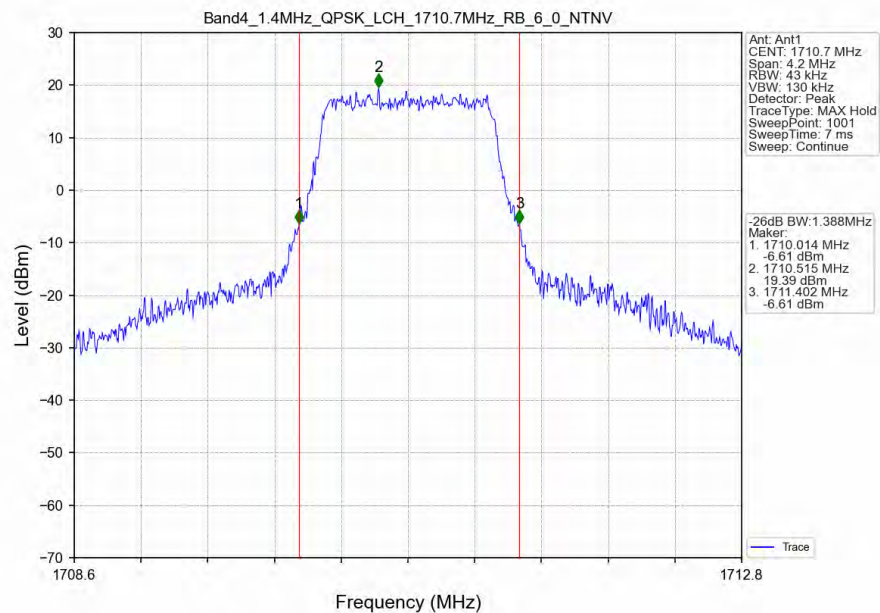


Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV

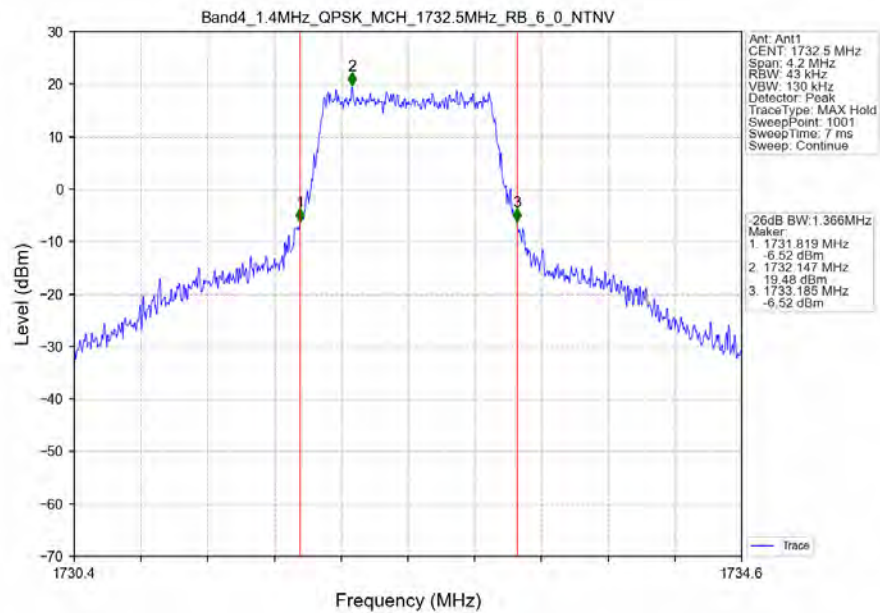


3.2.2 Band4_XDB

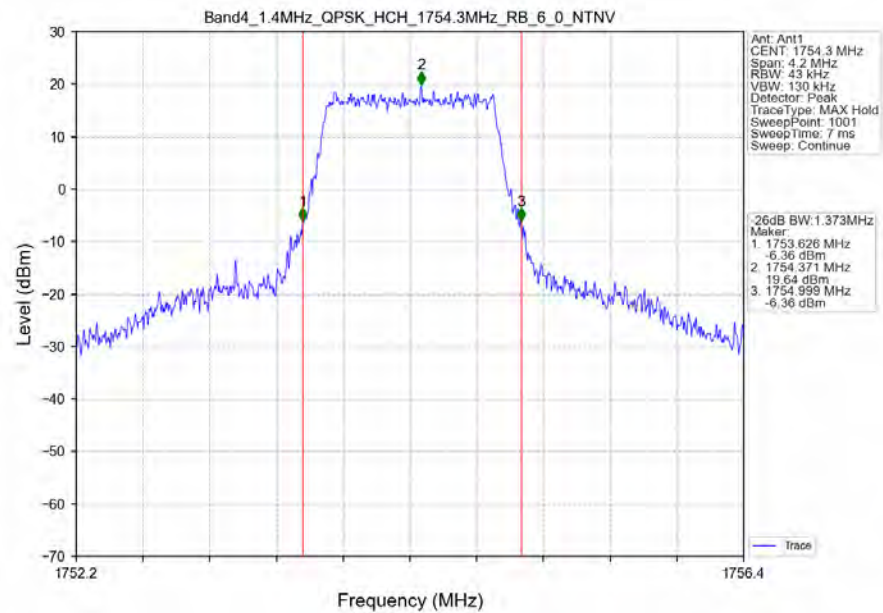
Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV



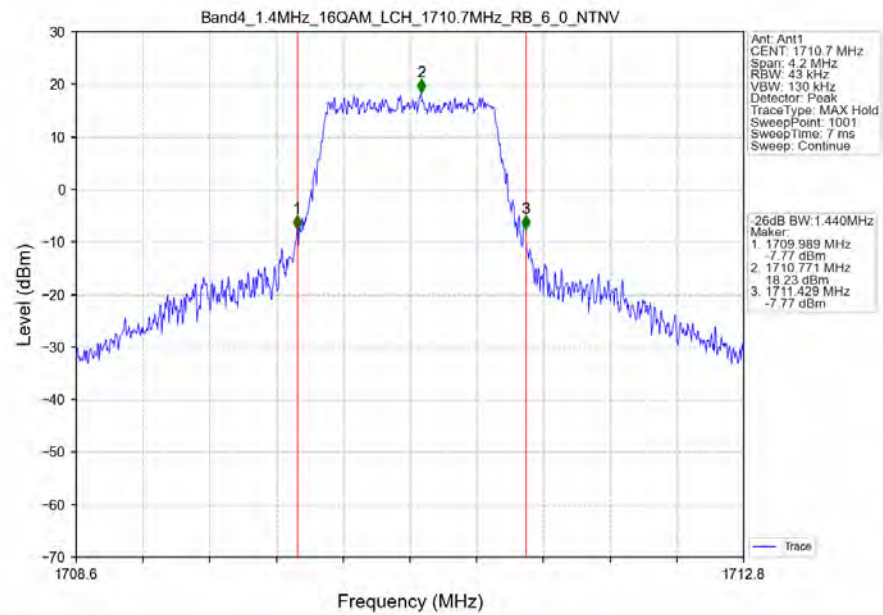
Band4 1.4MHz QPSK MCH 1732.5MHz RB 6 0 NTV



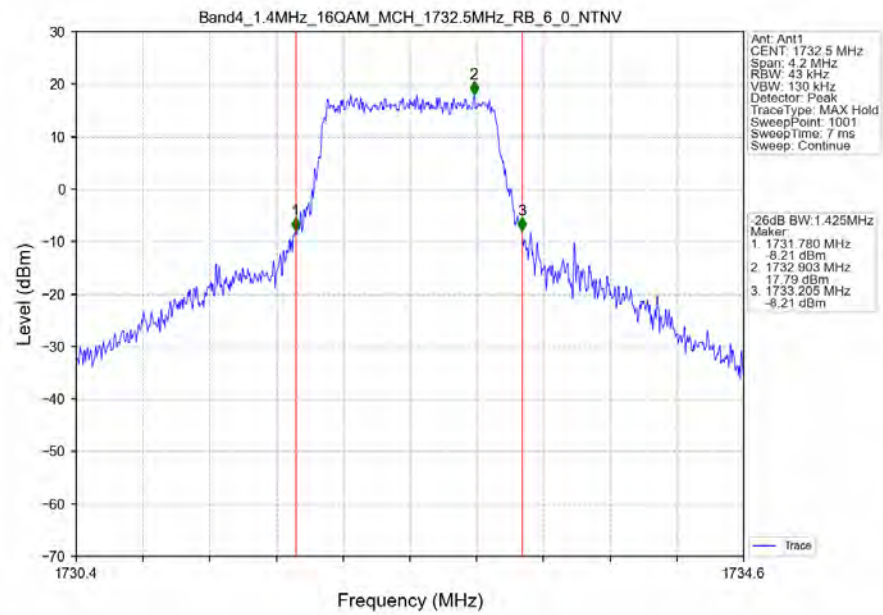
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



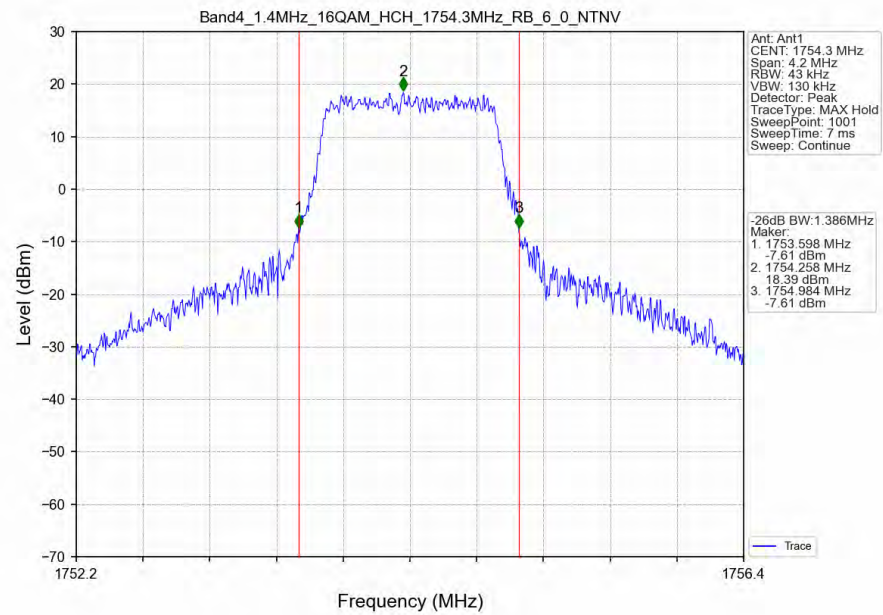
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



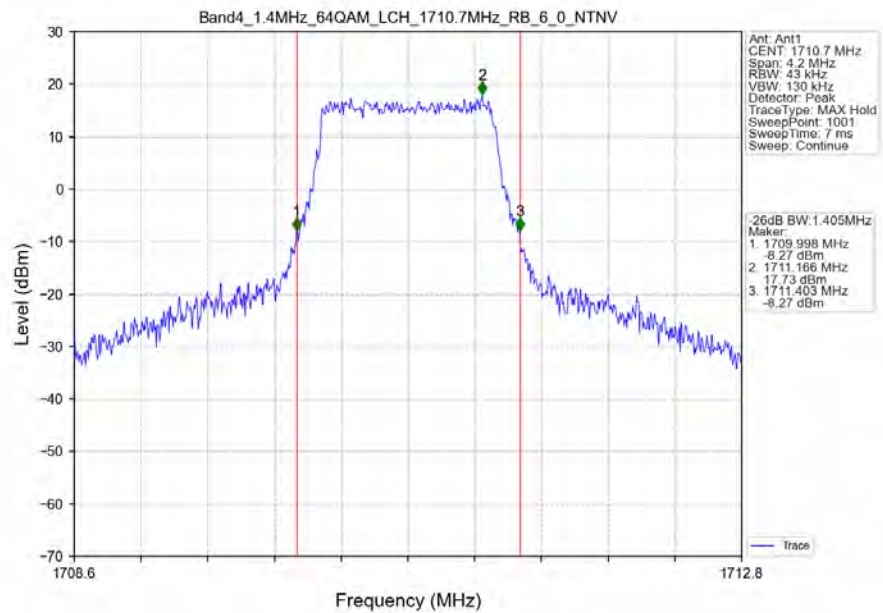
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



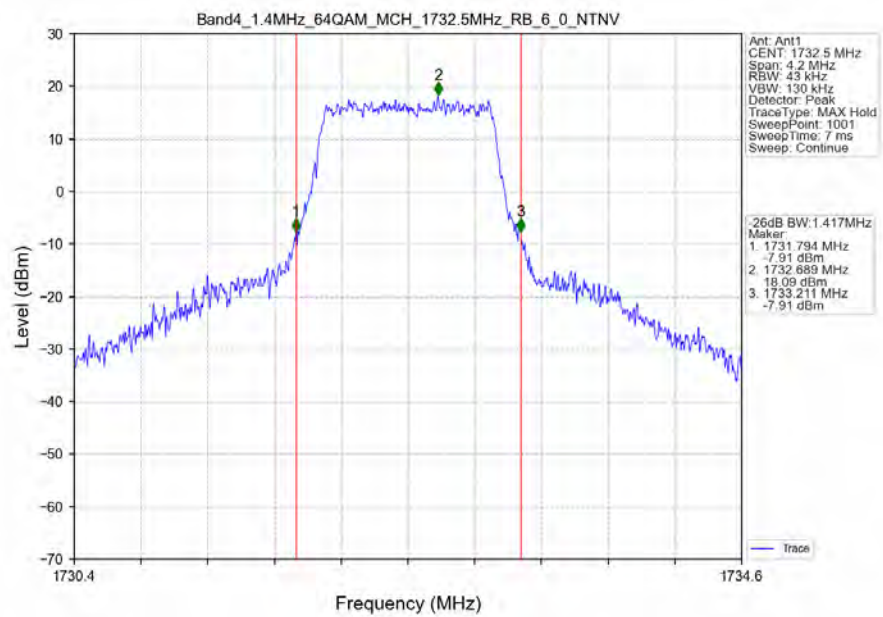
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



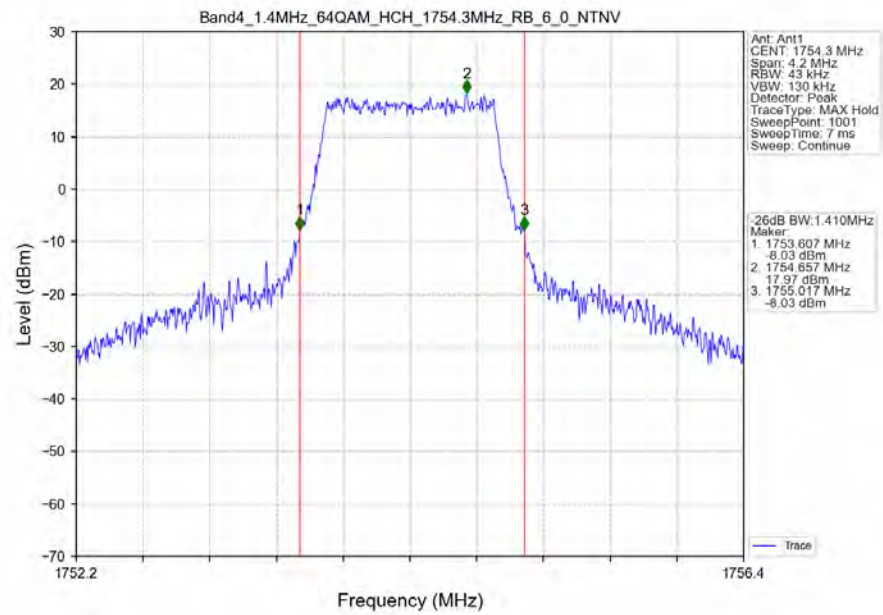
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



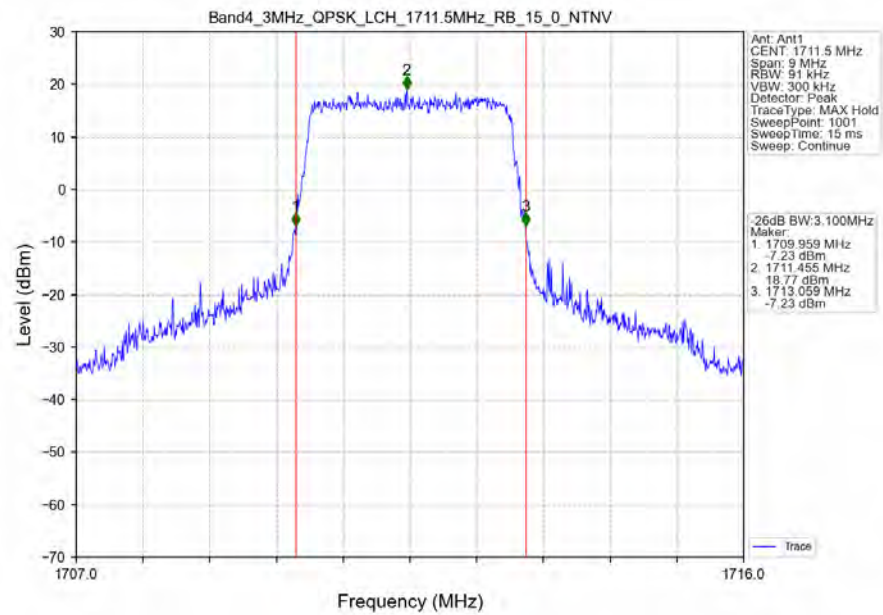
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



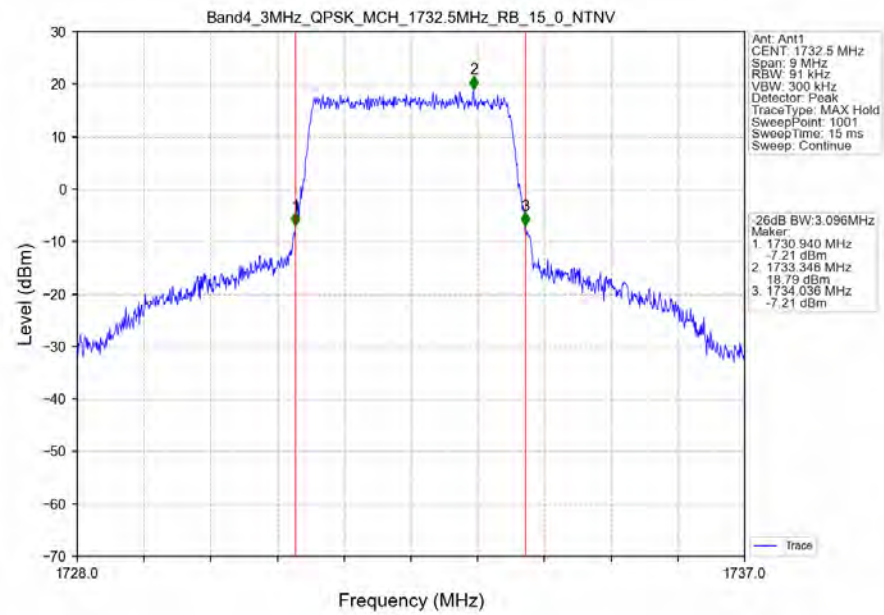
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



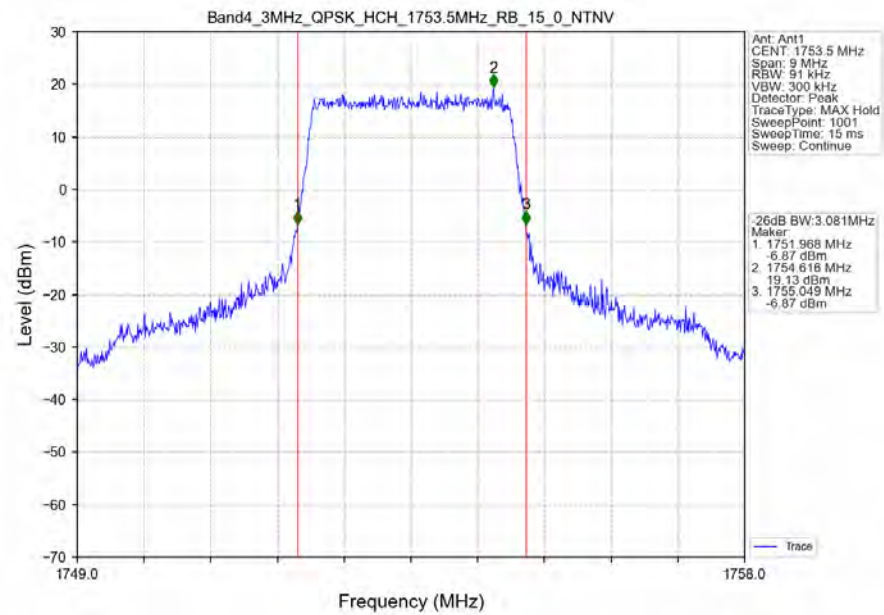
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



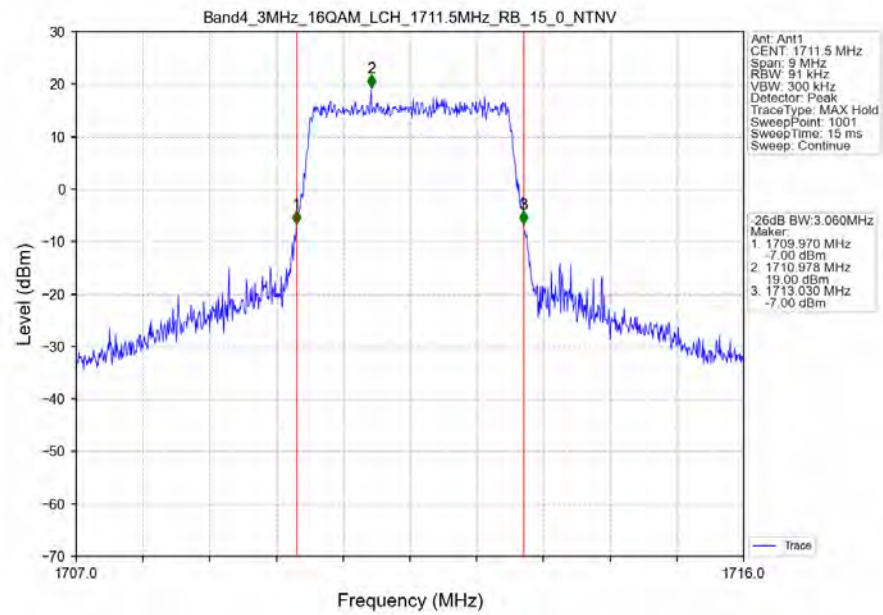
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



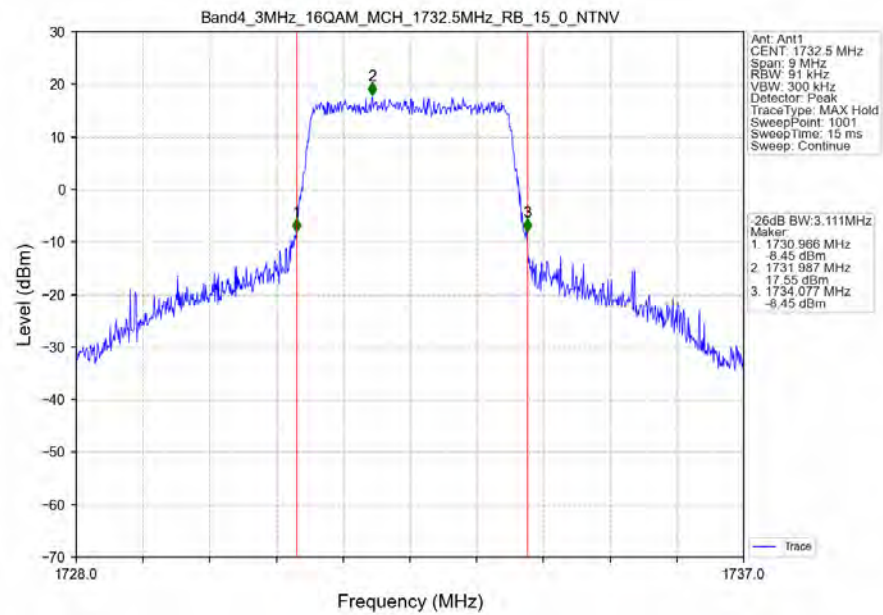
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



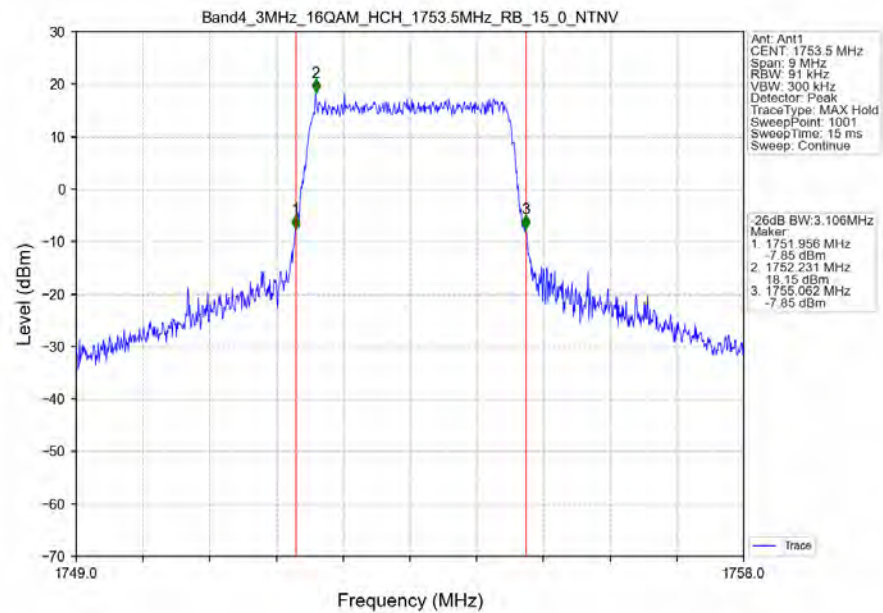
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



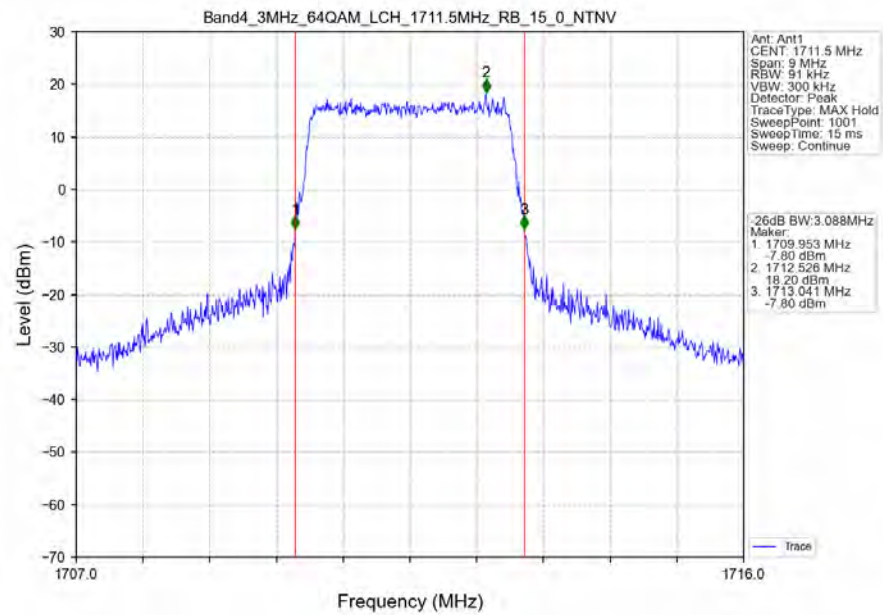
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



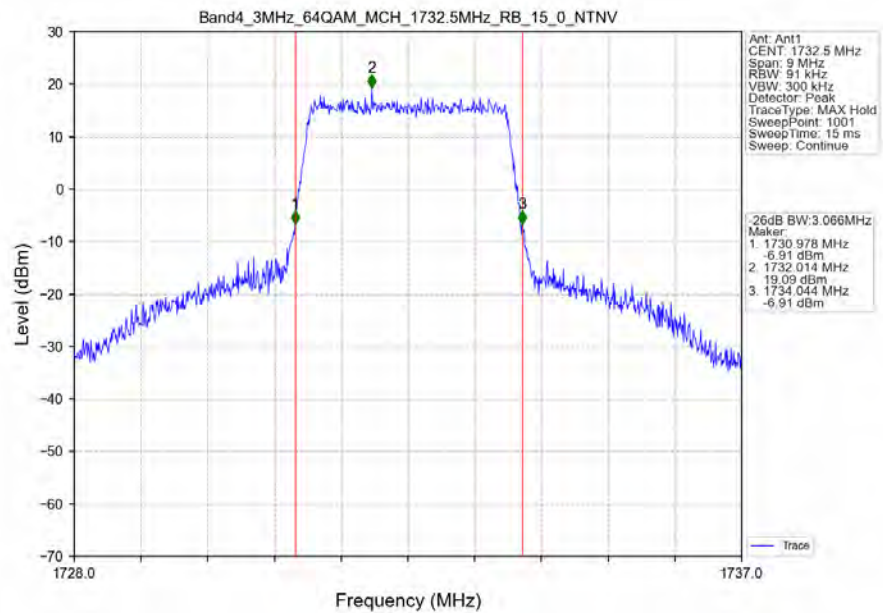
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



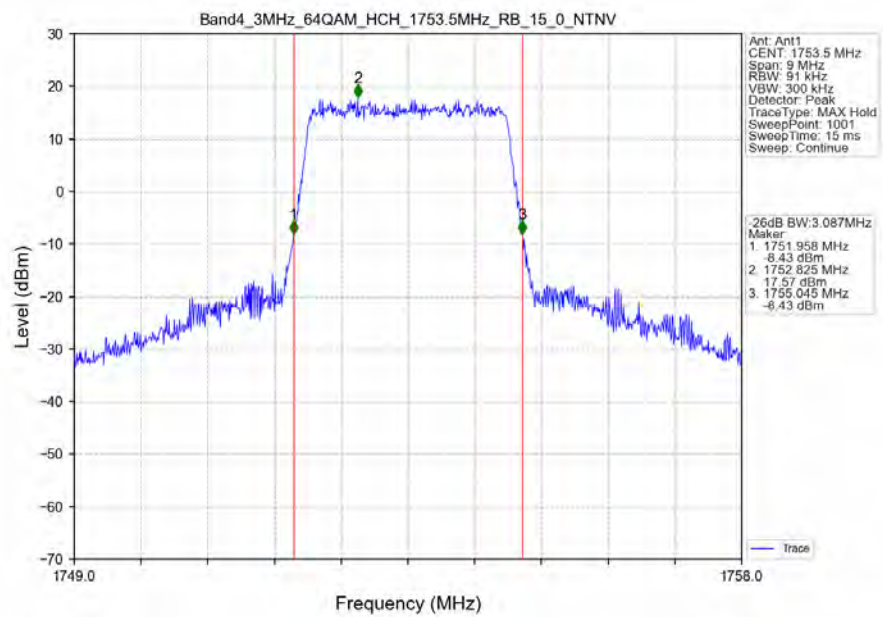
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



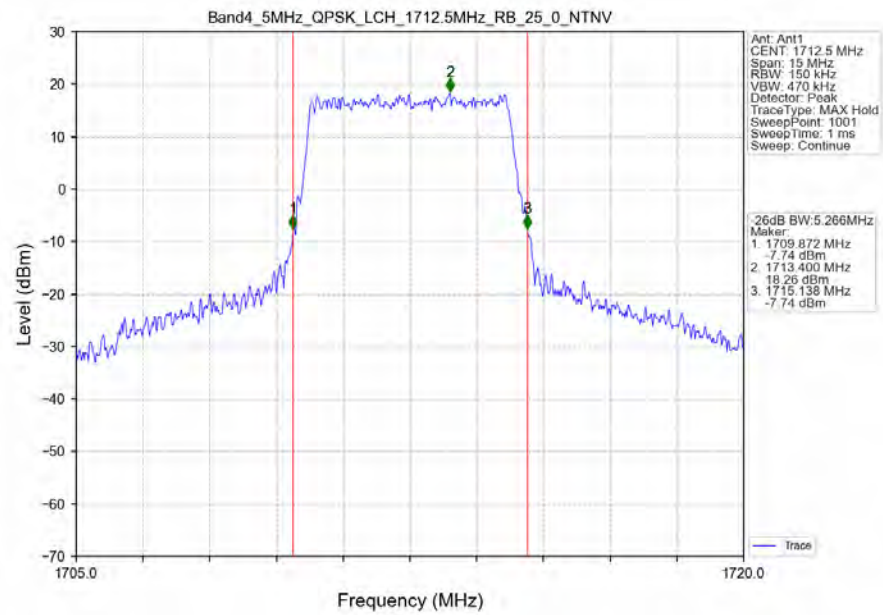
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



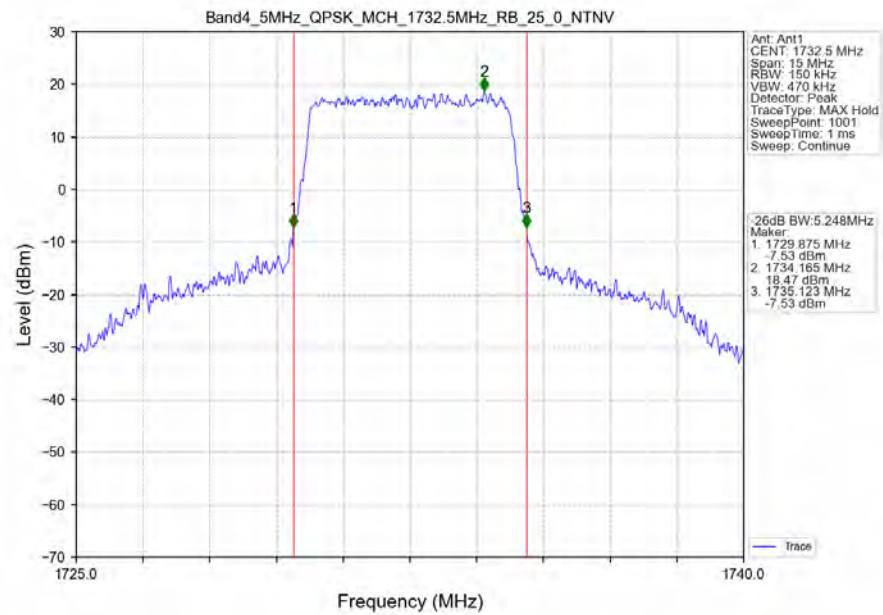
Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



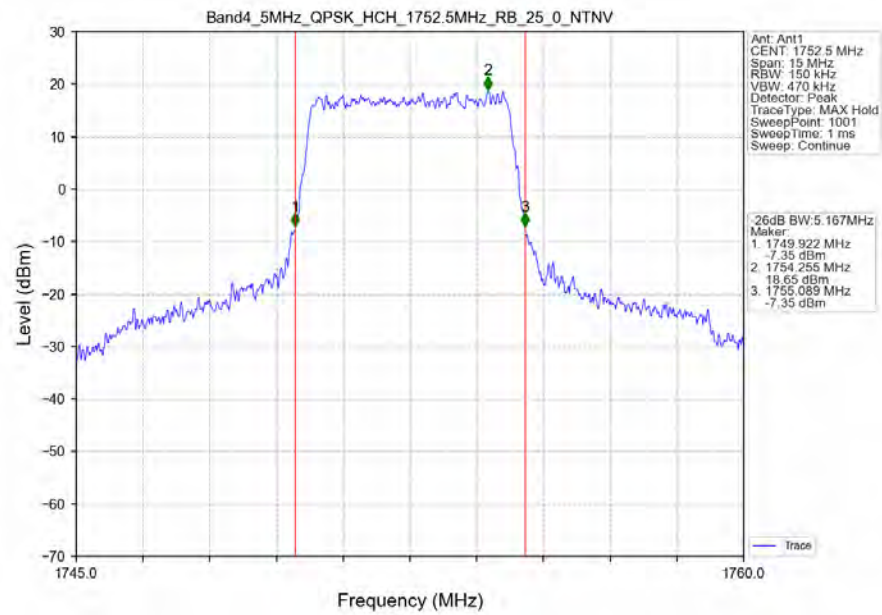
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



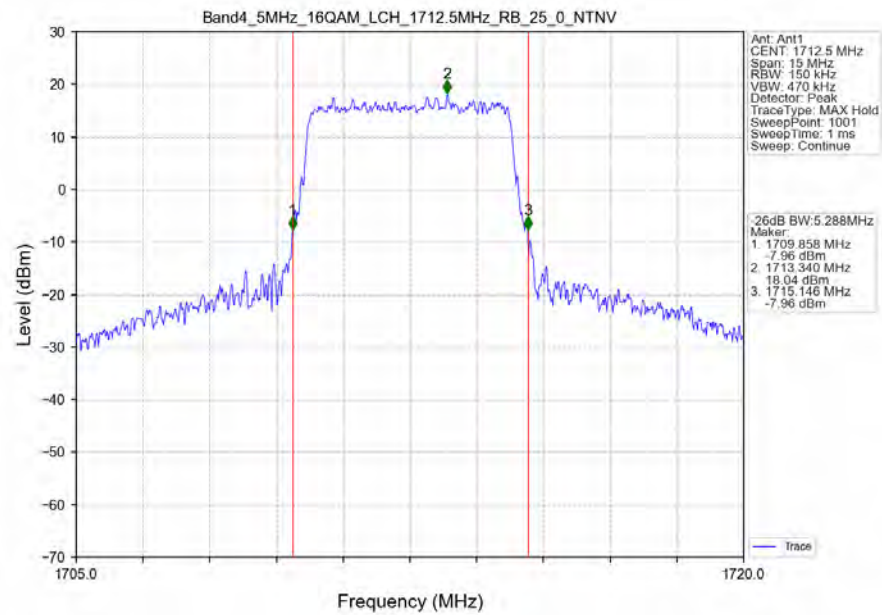
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



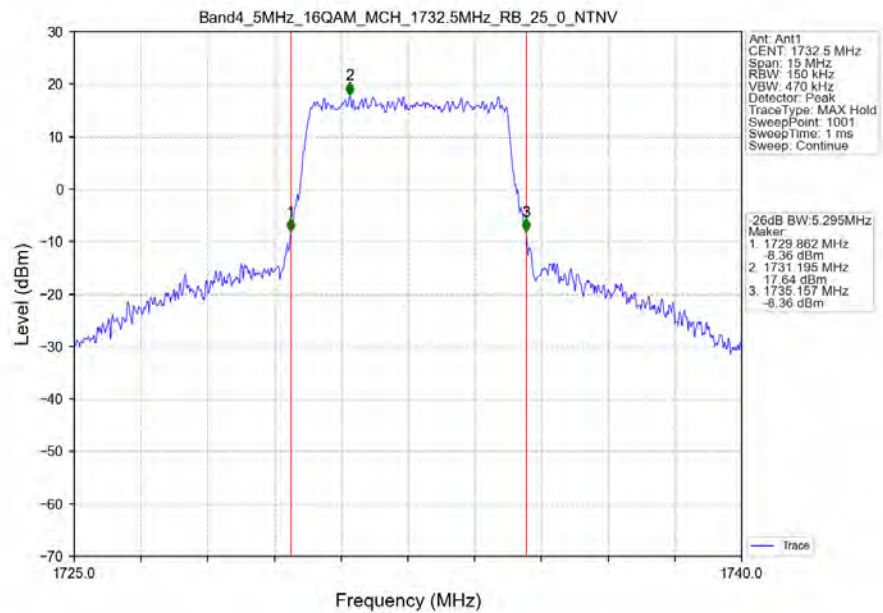
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



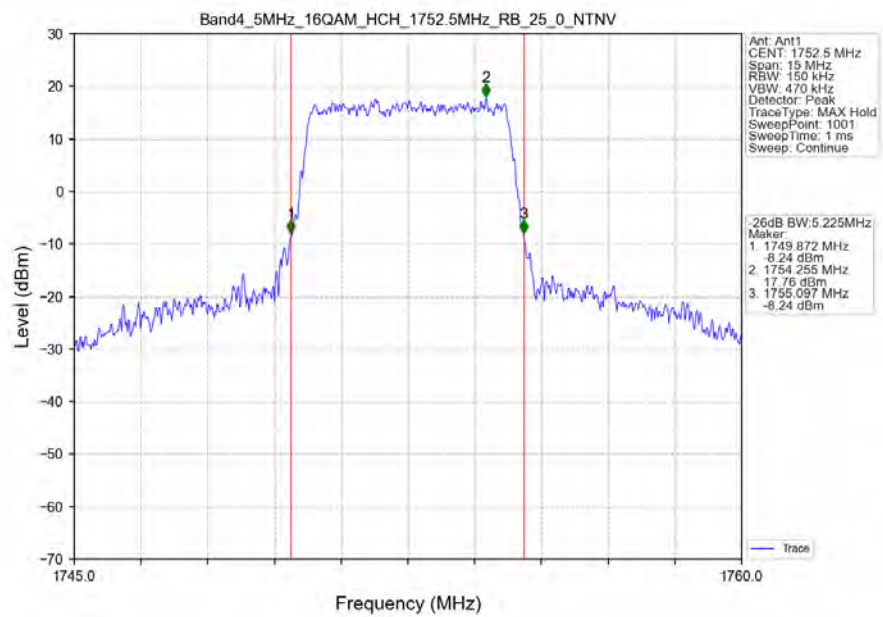
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



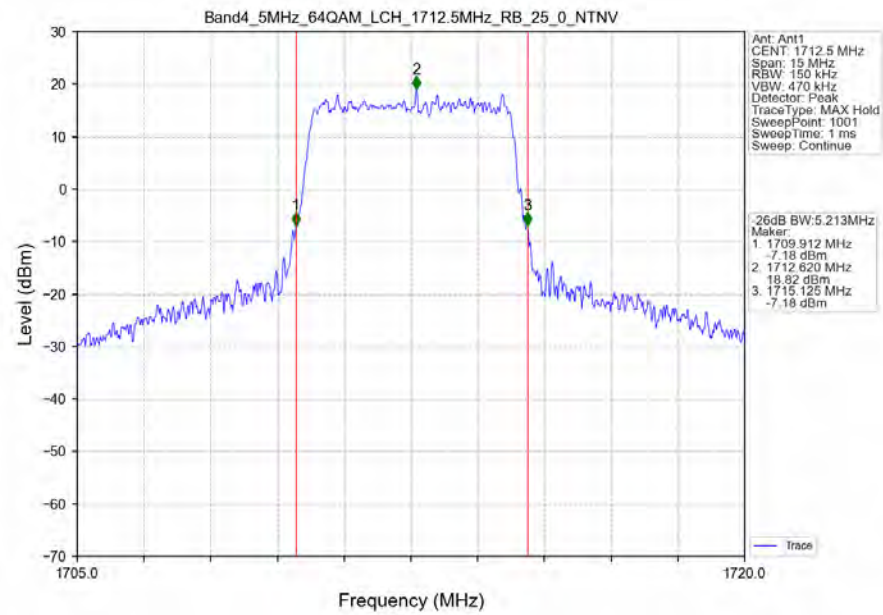
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



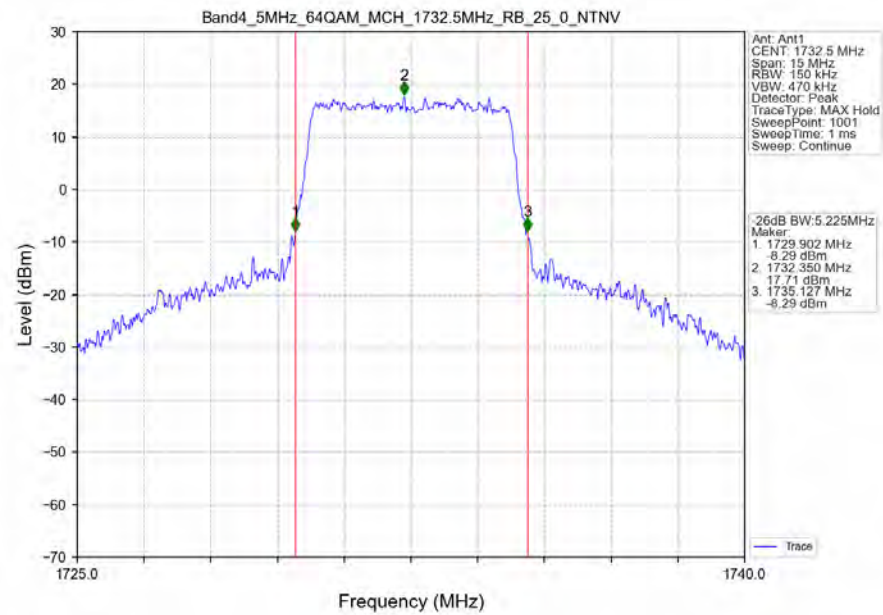
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



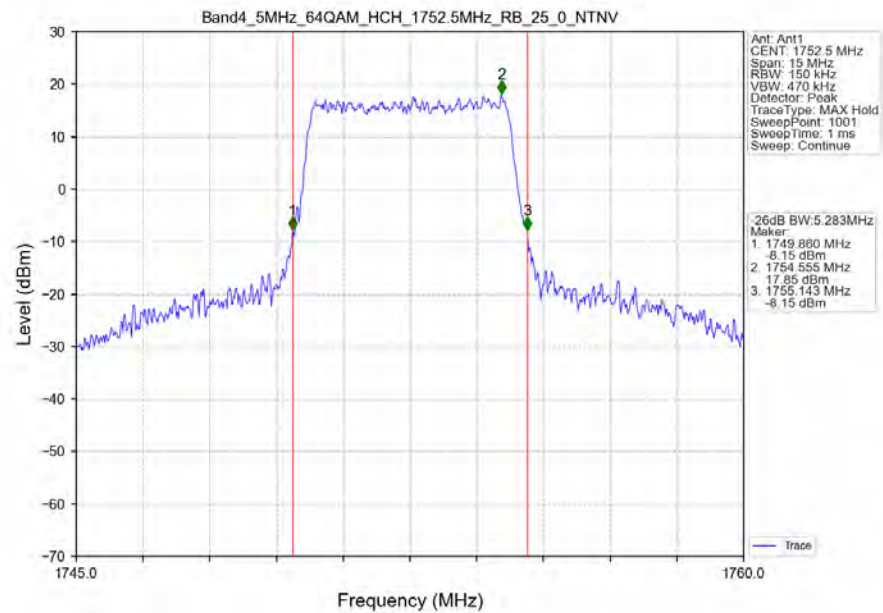
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



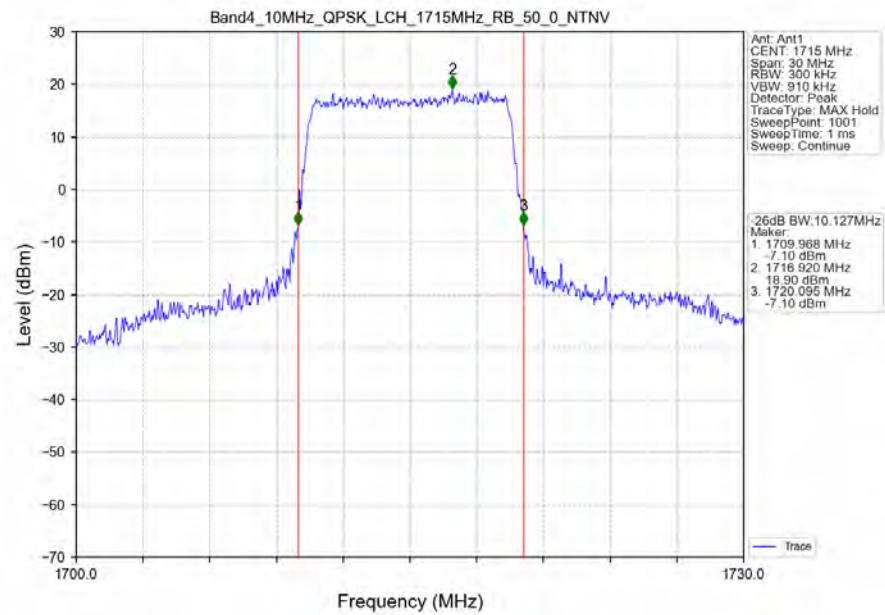
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



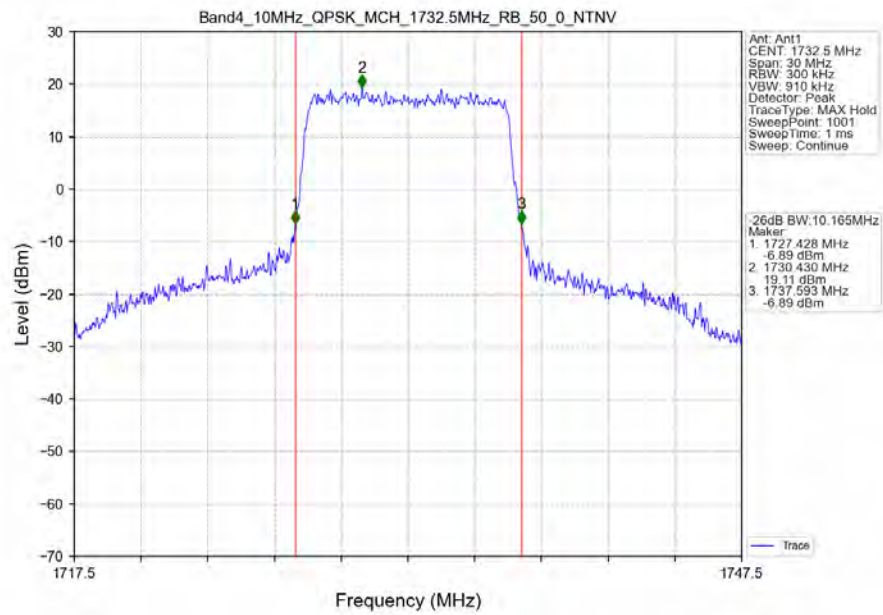
Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



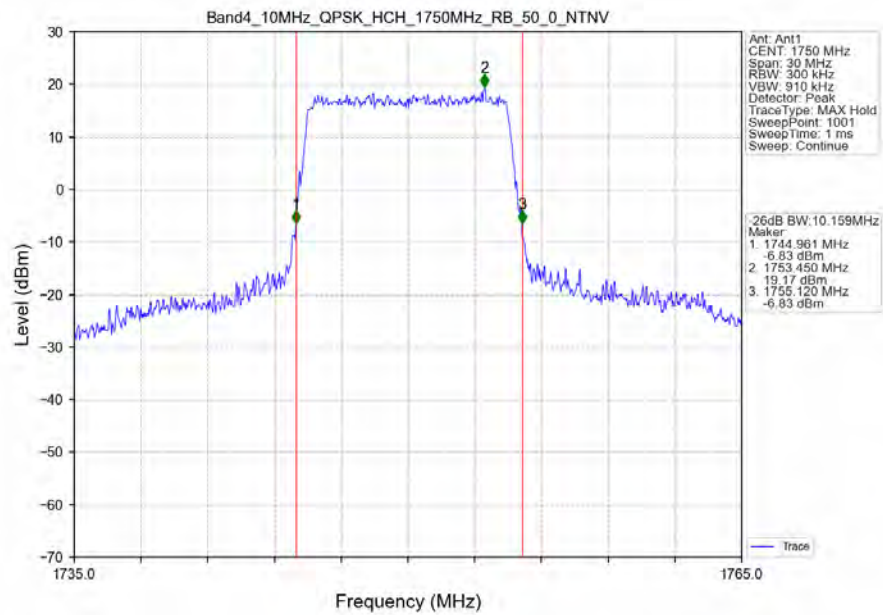
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



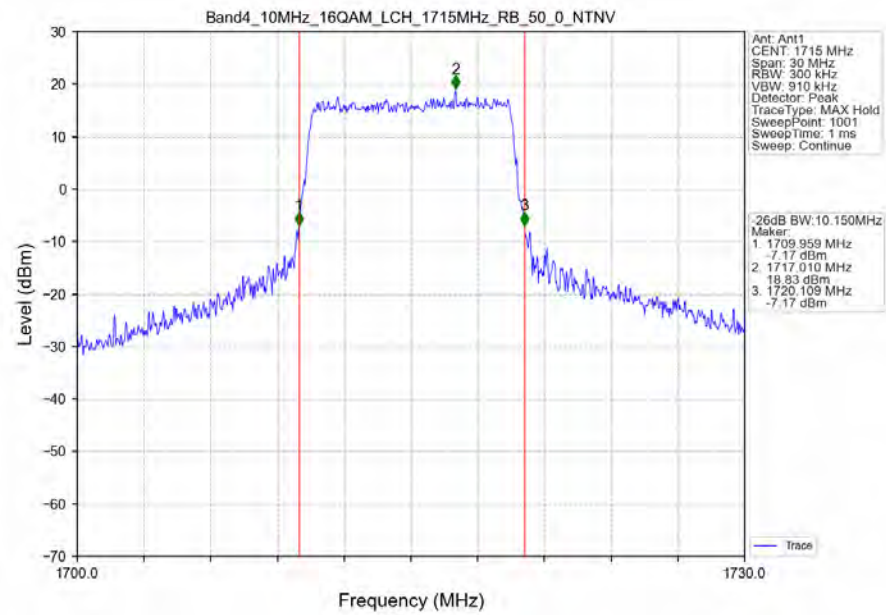
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



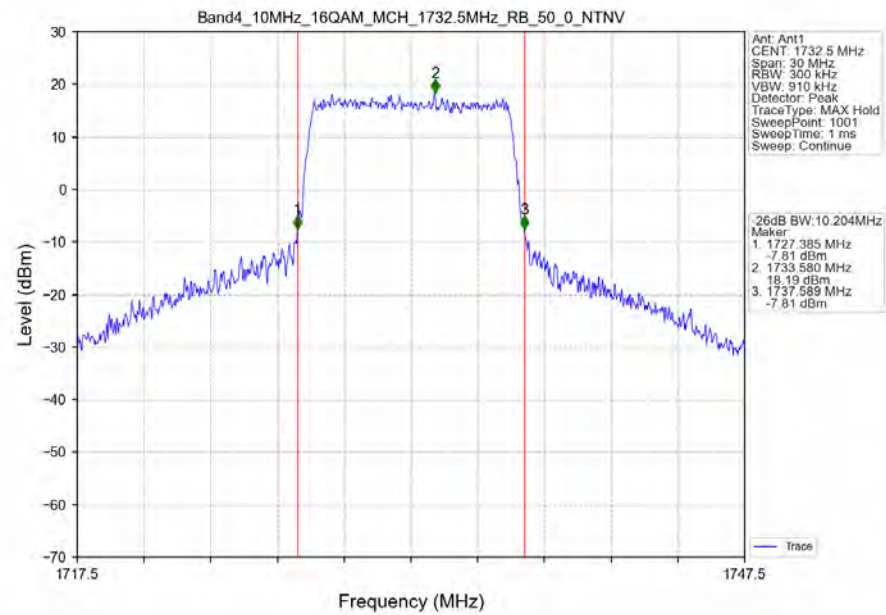
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



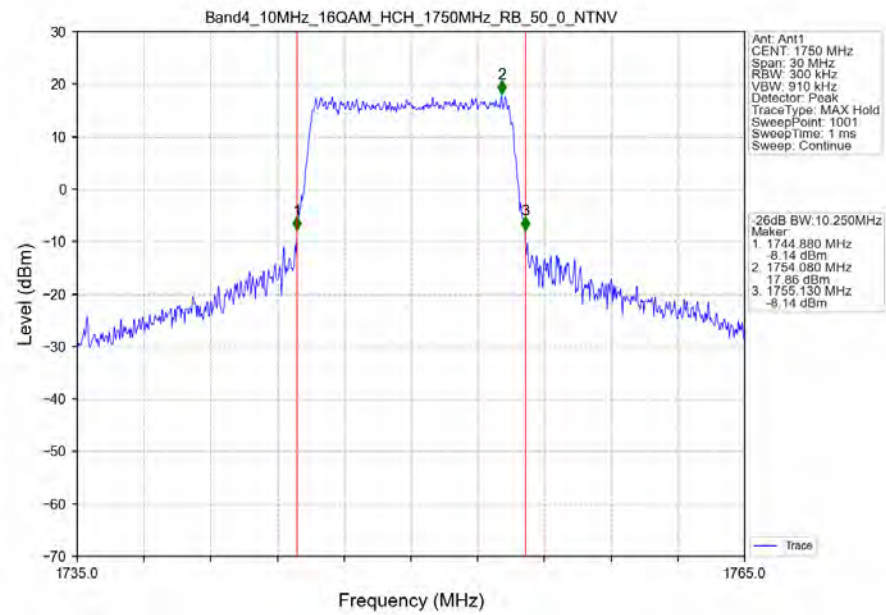
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



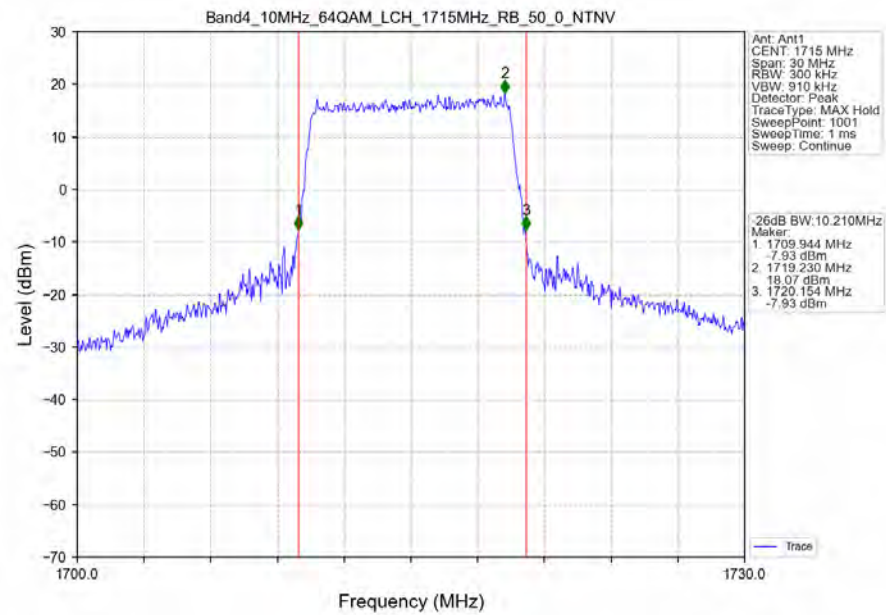
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



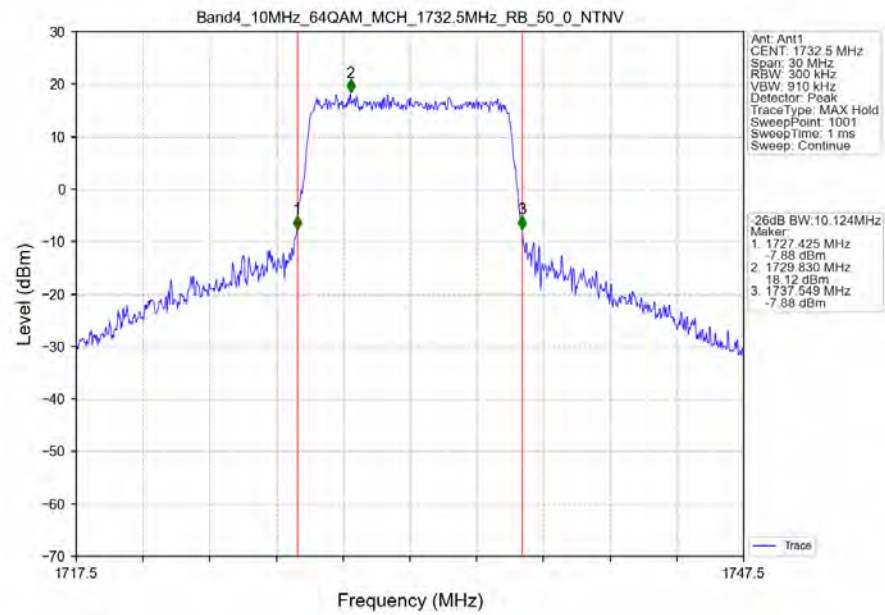
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



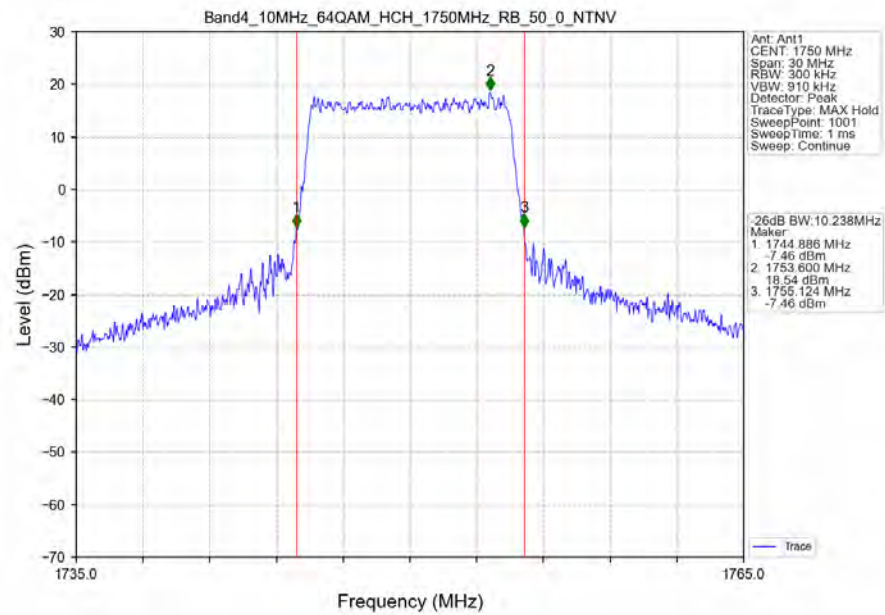
Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



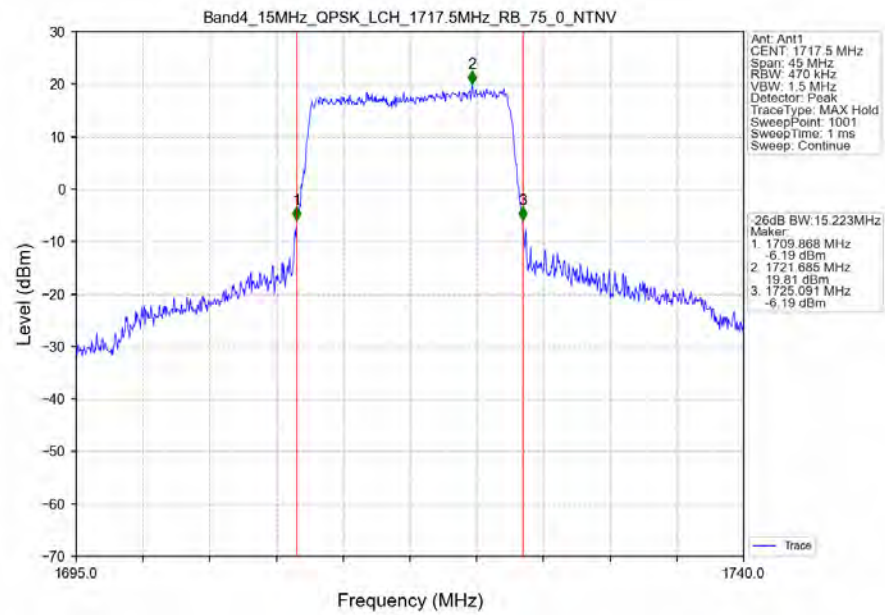
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



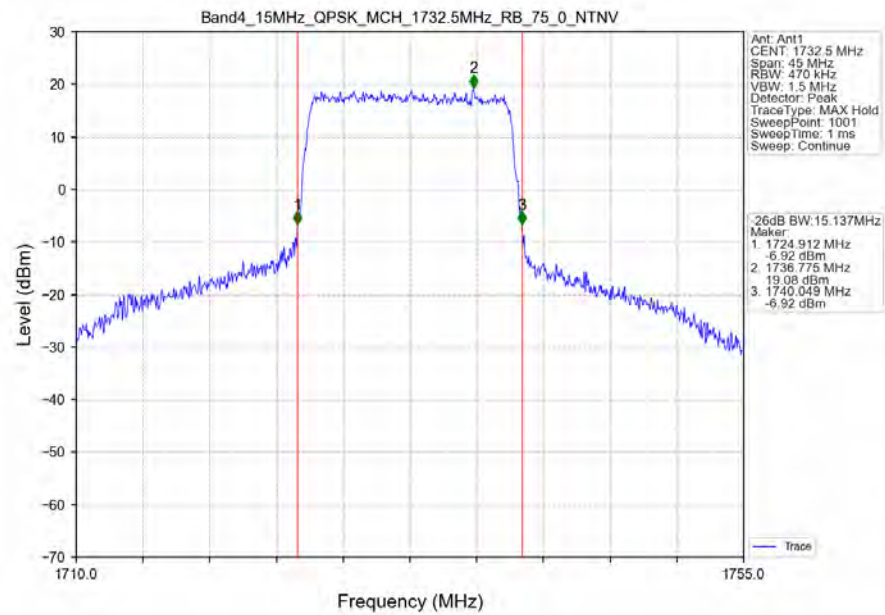
Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



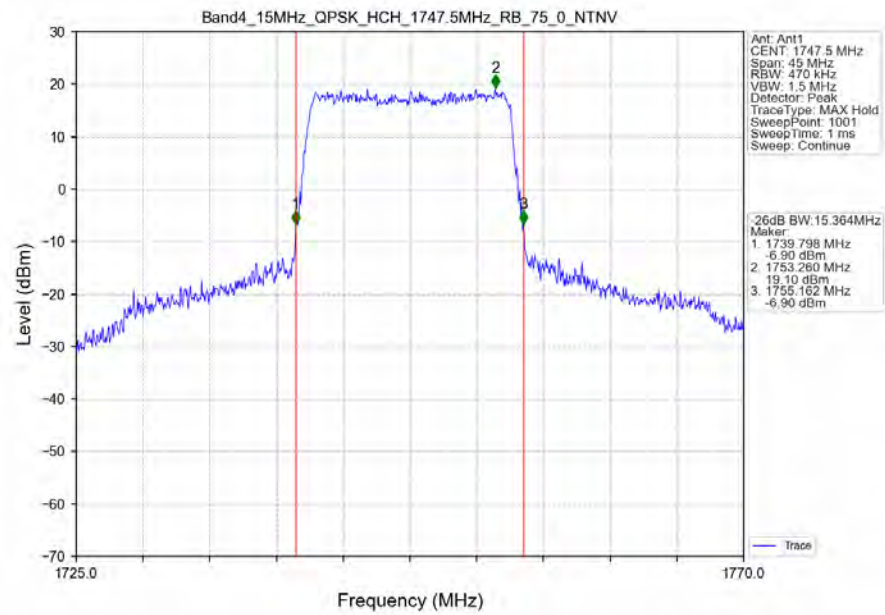
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



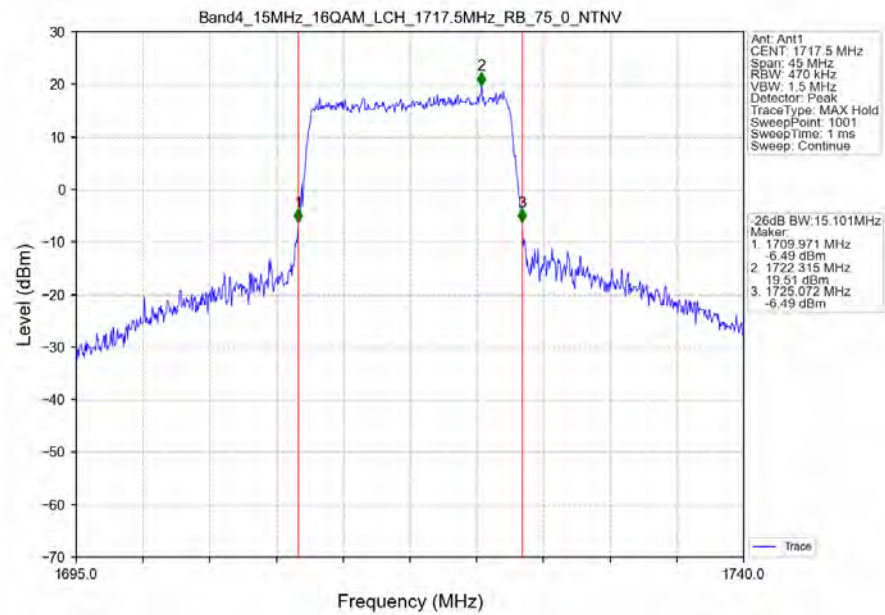
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



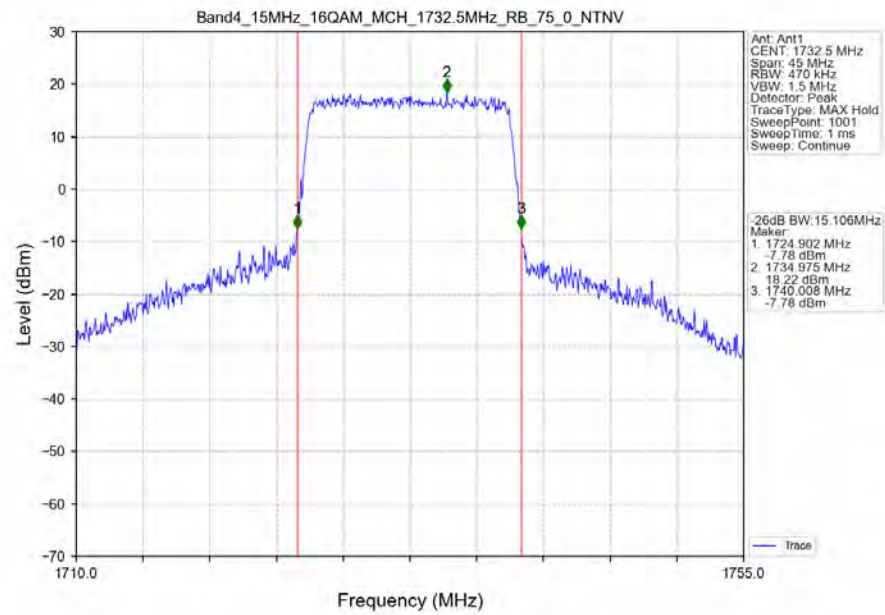
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



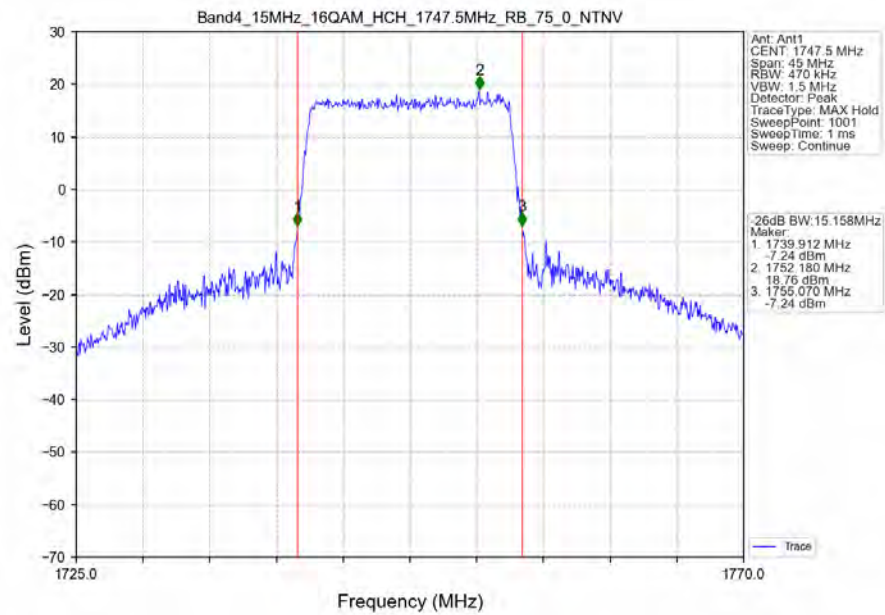
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



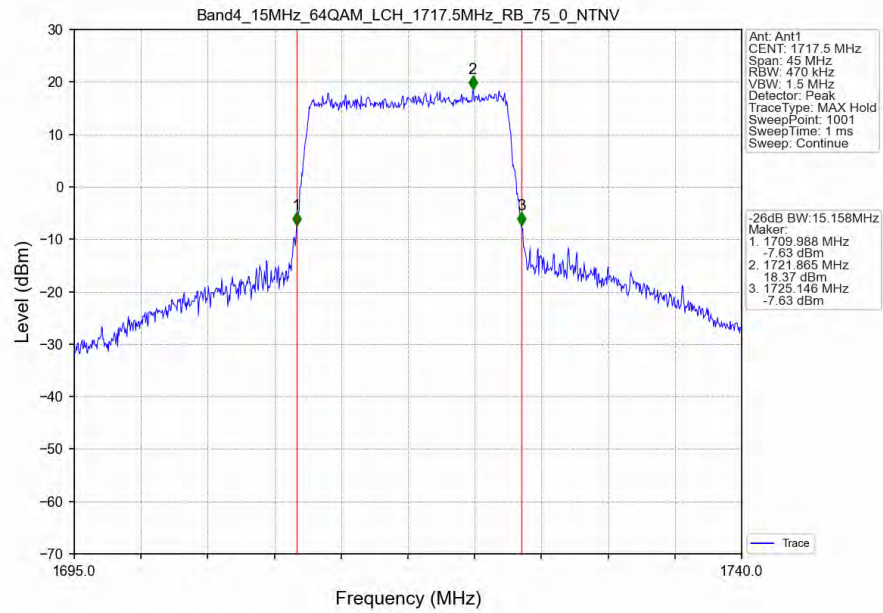
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



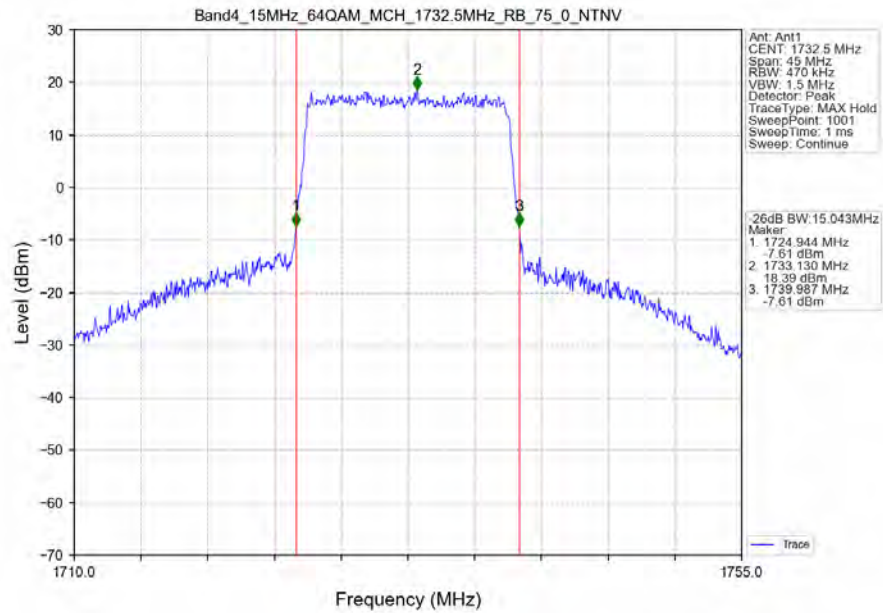
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



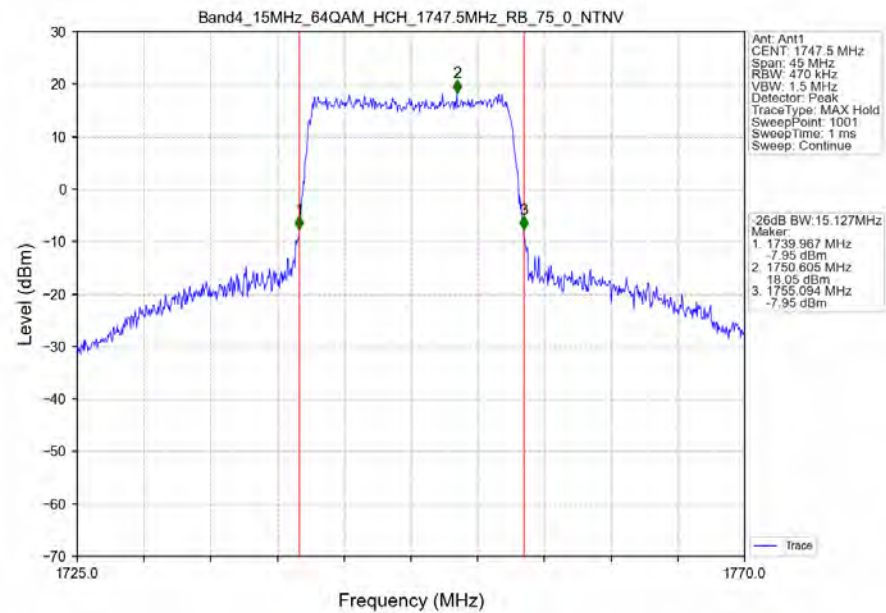
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



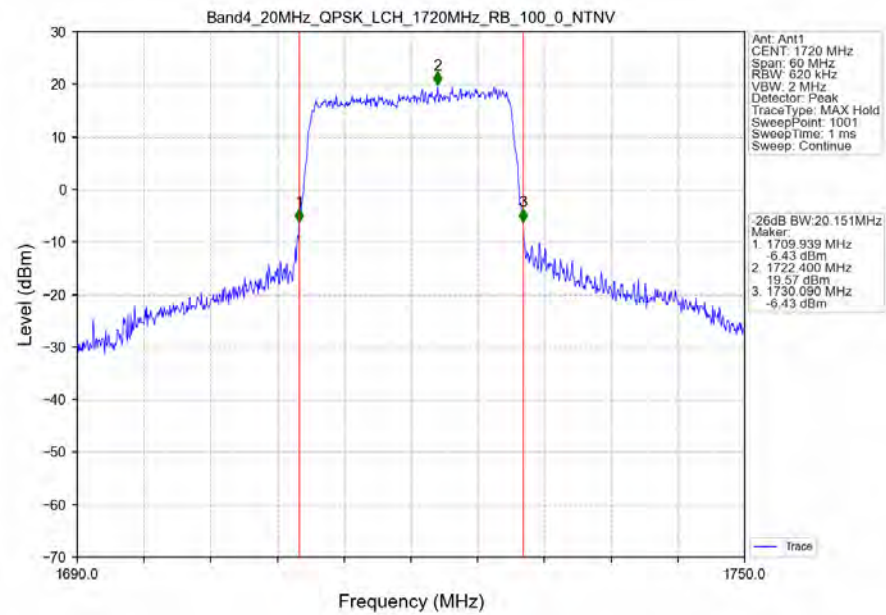
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV



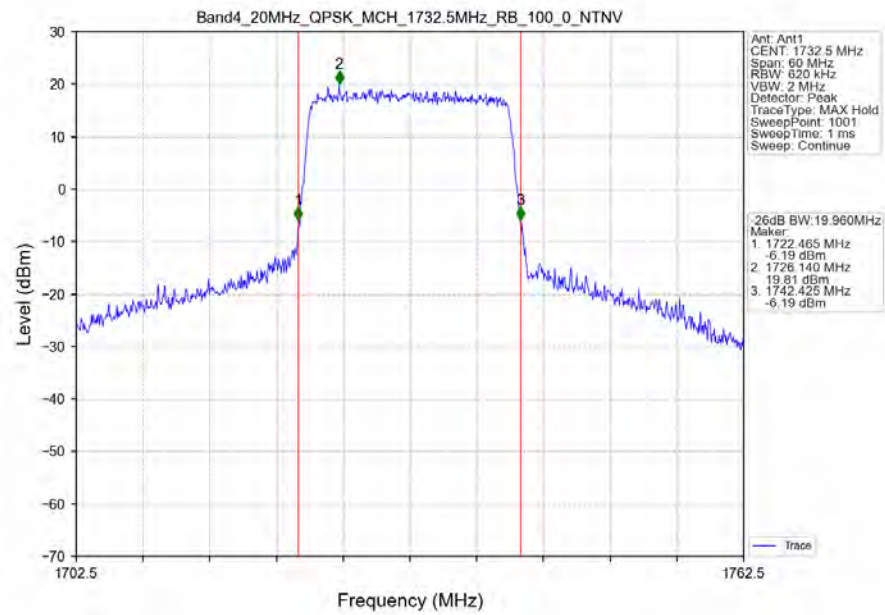
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV



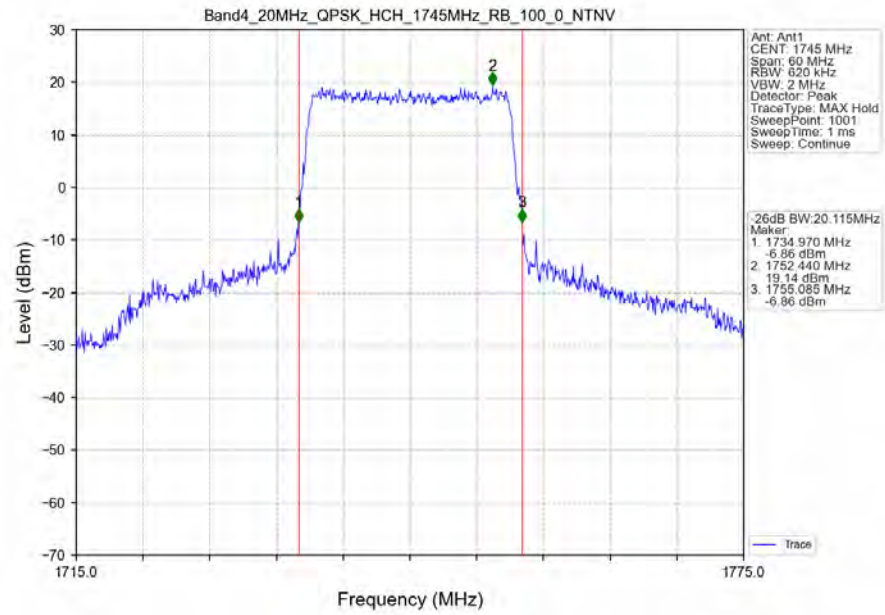
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



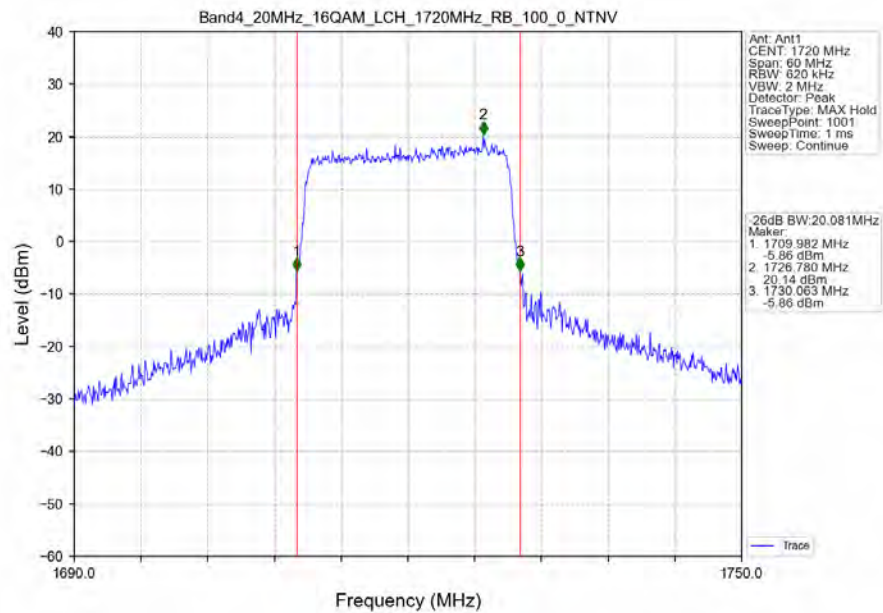
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



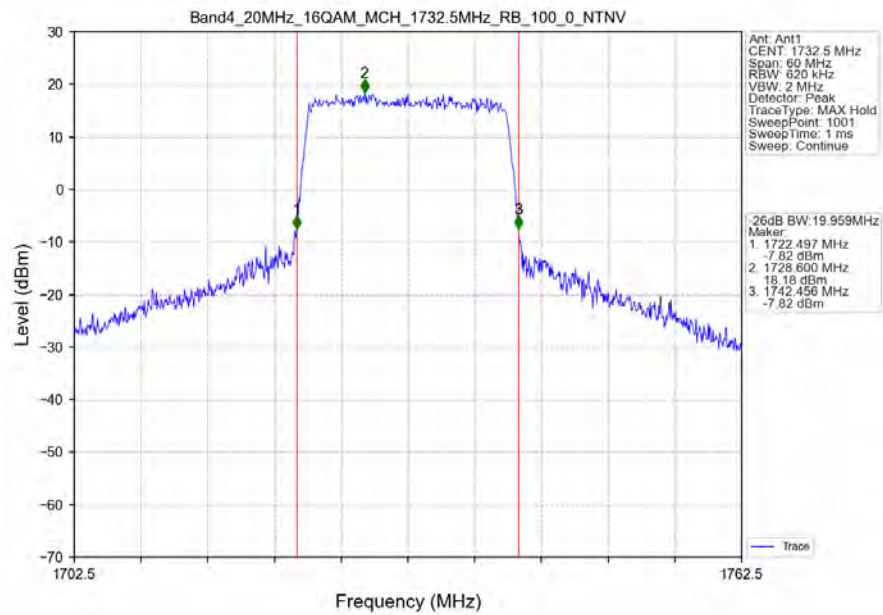
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



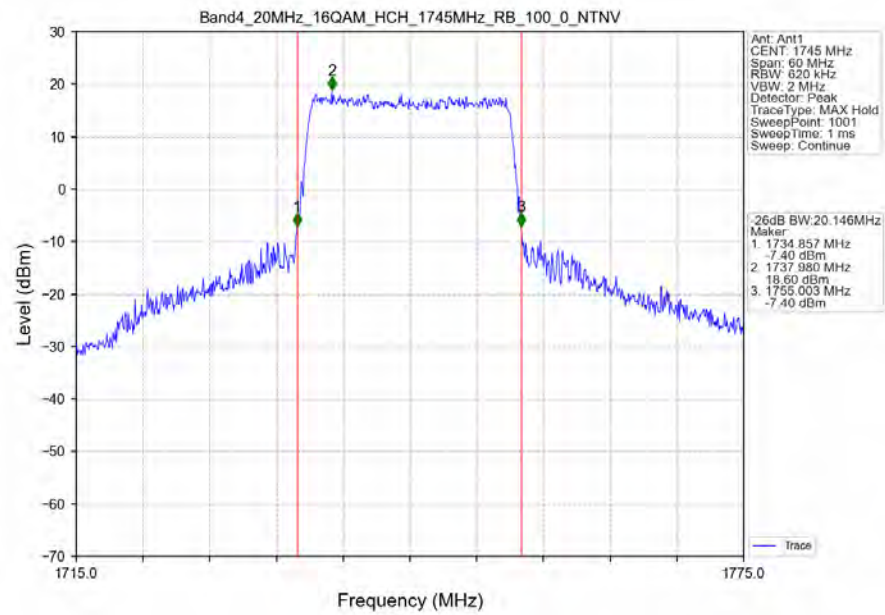
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



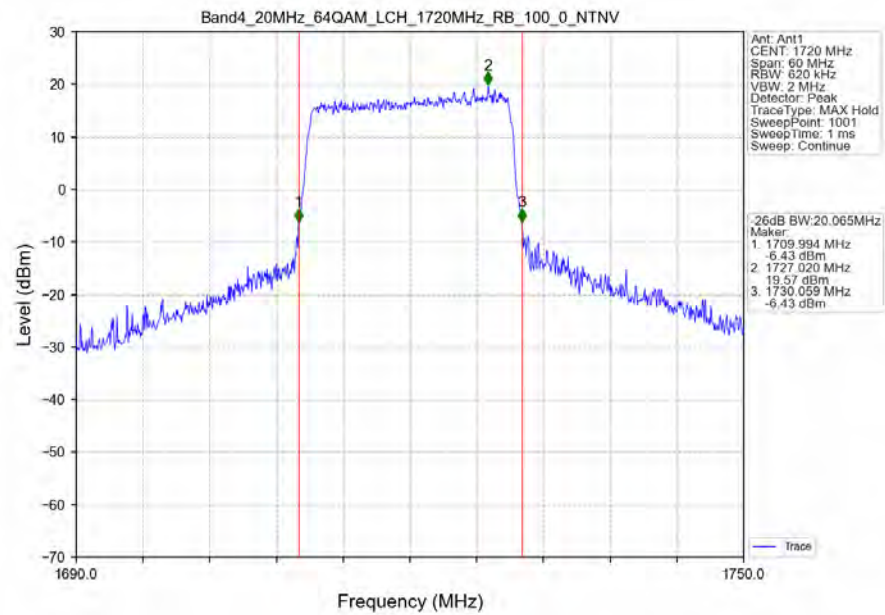
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



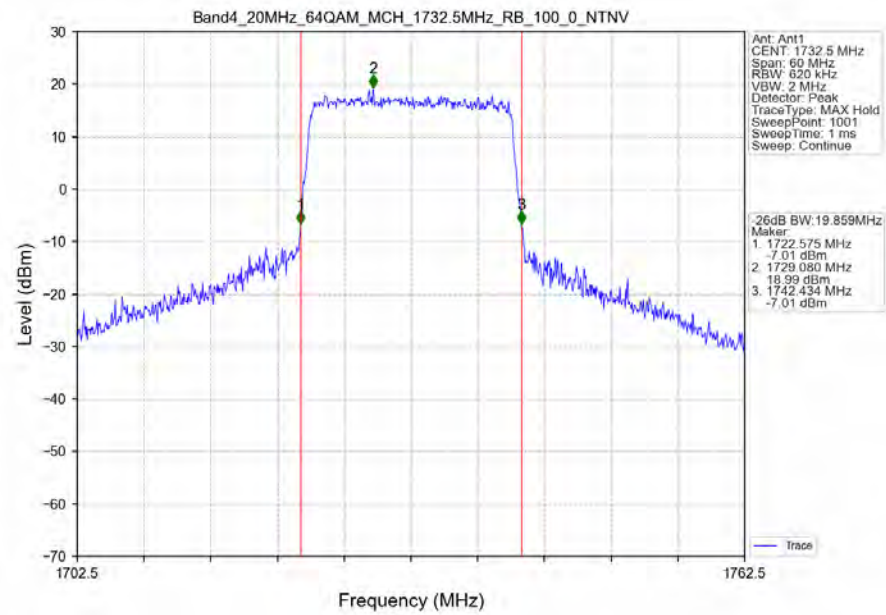
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



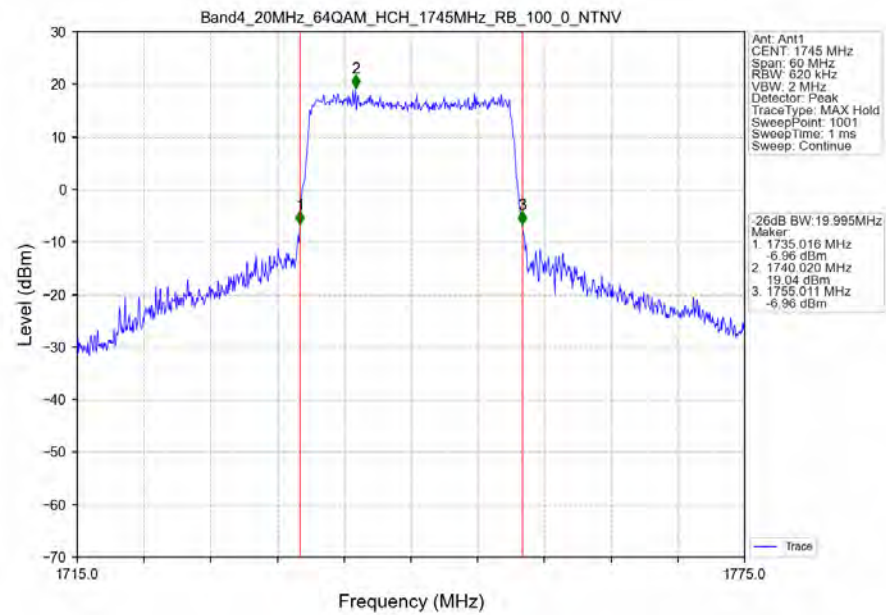
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



4. Peak-Average Ratio

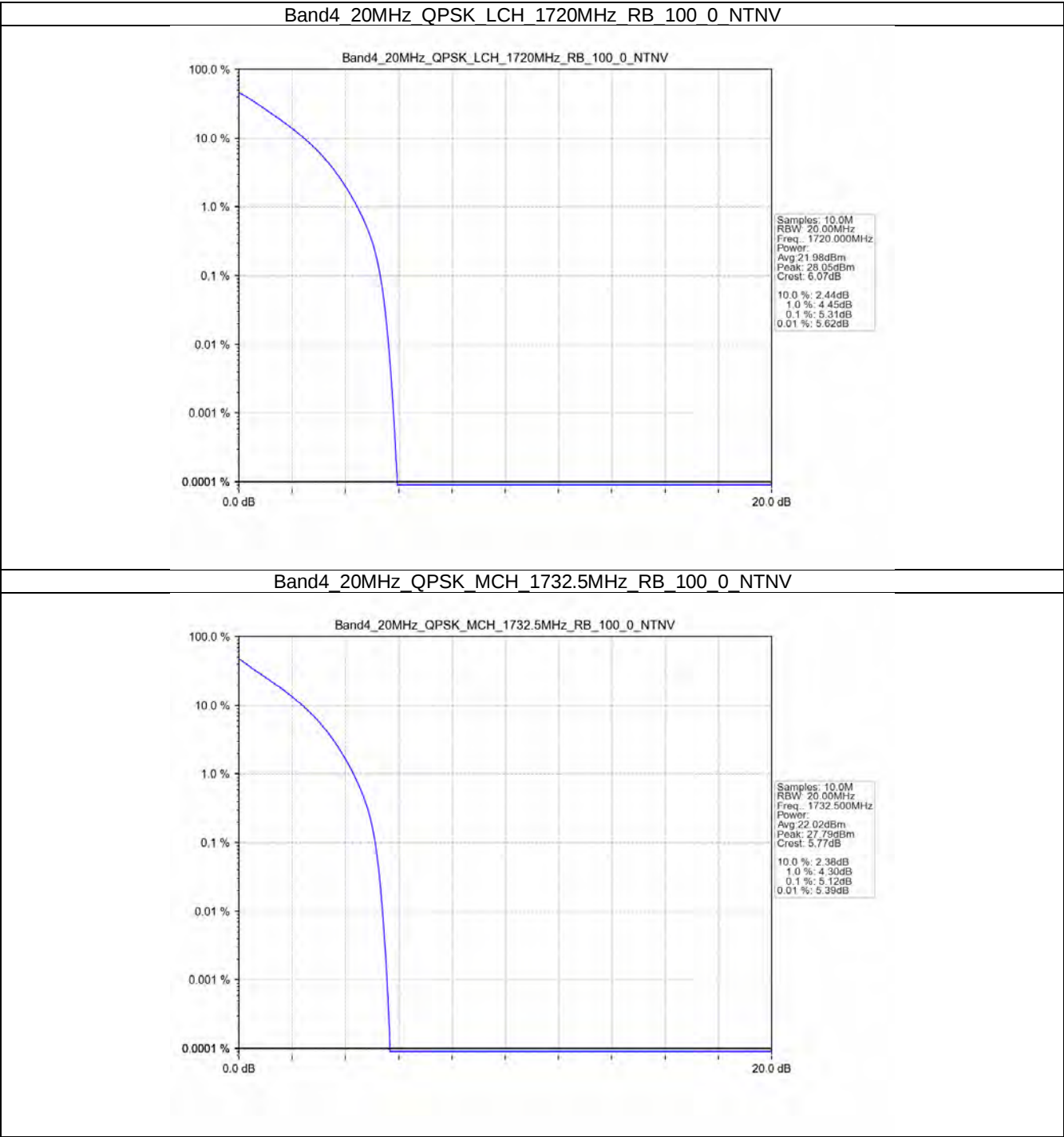
4.1 Test Result

4.1.1 B4_20MHz

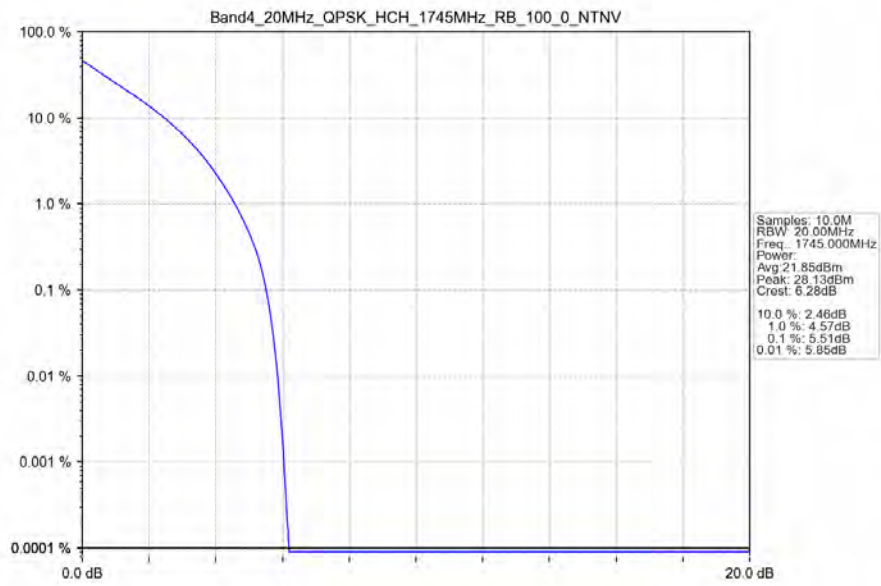
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.31	<=13	Pass
	1732.5	100	0	5.12	<=13	Pass
	1745	100	0	5.51	<=13	Pass
16QAM	1720	100	0	6.16	<=13	Pass
	1732.5	100	0	5.95	<=13	Pass
	1745	100	0	6.28	<=13	Pass
64QAM	1720	100	0	6.14	<=13	Pass
	1732.5	100	0	5.95	<=13	Pass
	1745	100	0	6.25	<=13	Pass

4.2 Test Graph

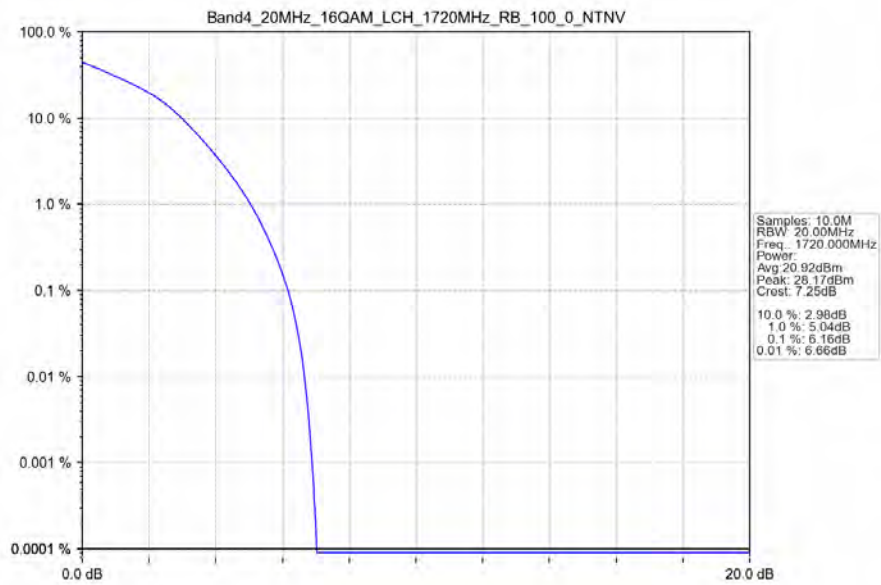
4.2.1 B4_20MHz



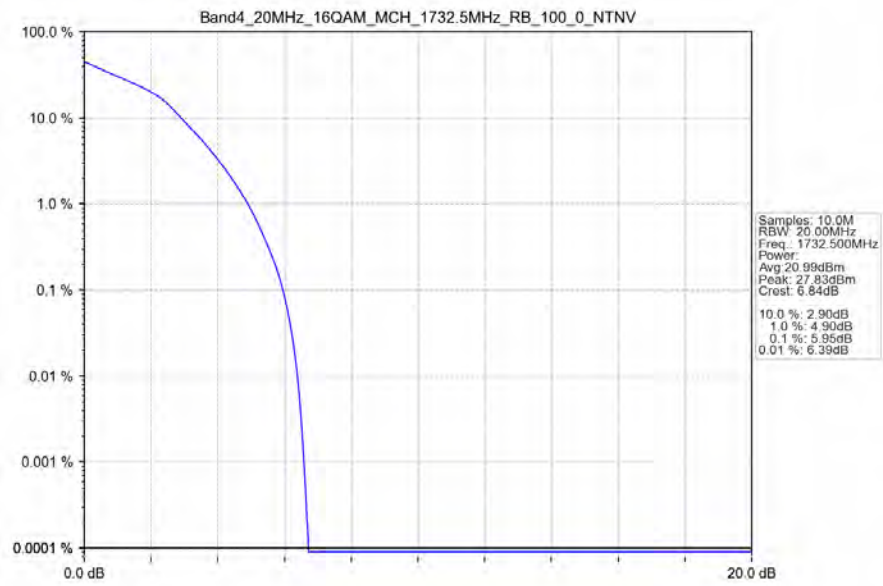
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



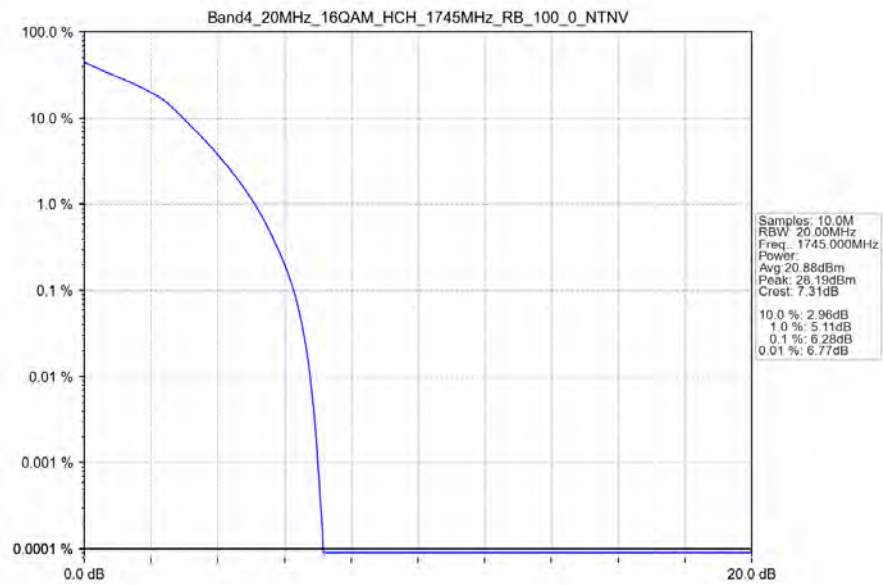
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



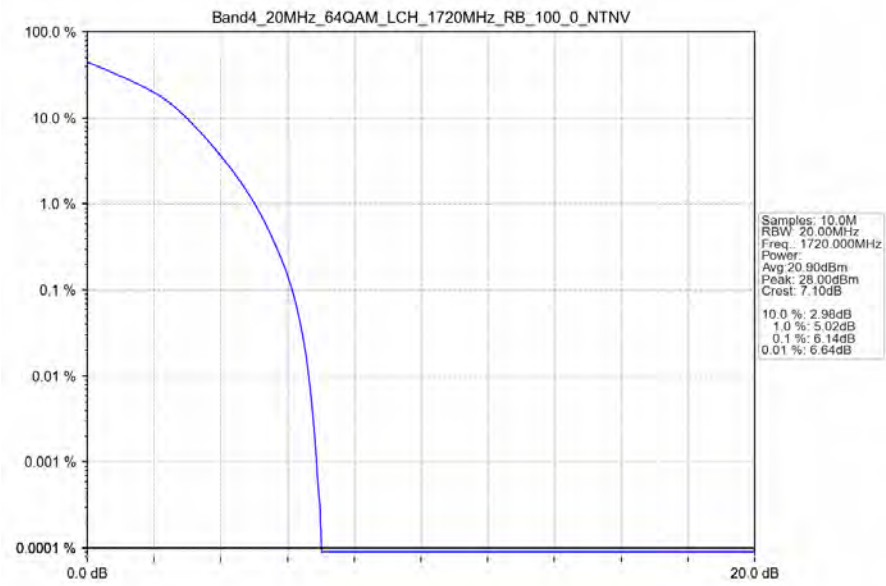
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



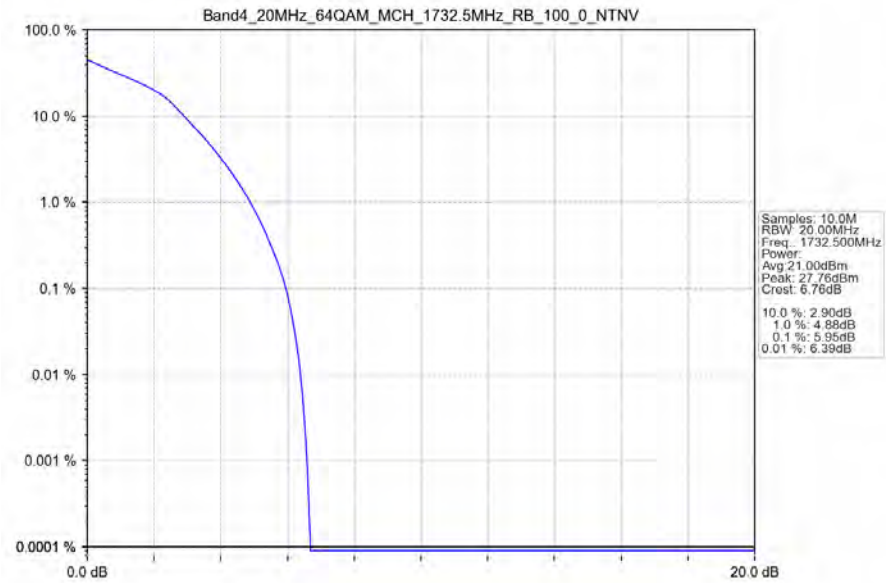
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



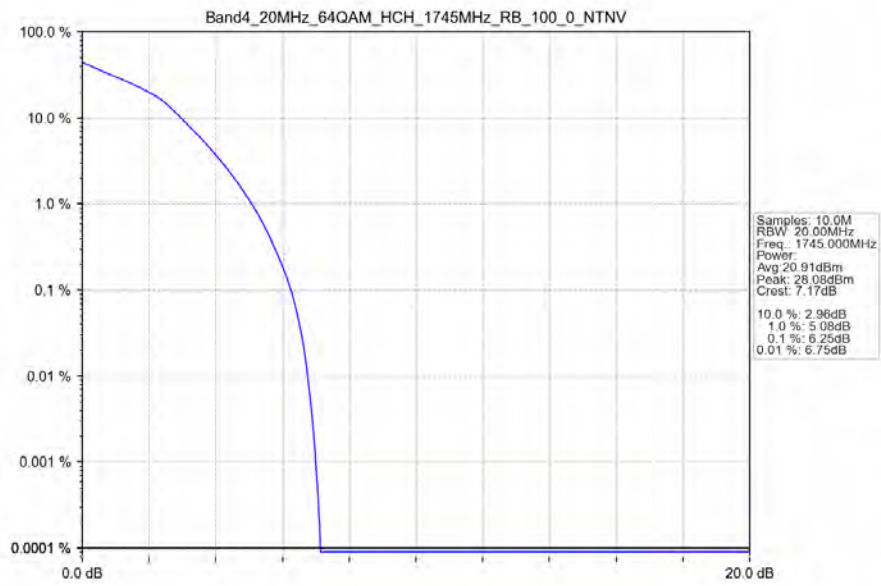
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



5. Spurious Emission & Band Edges

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.5 B4_15MHz

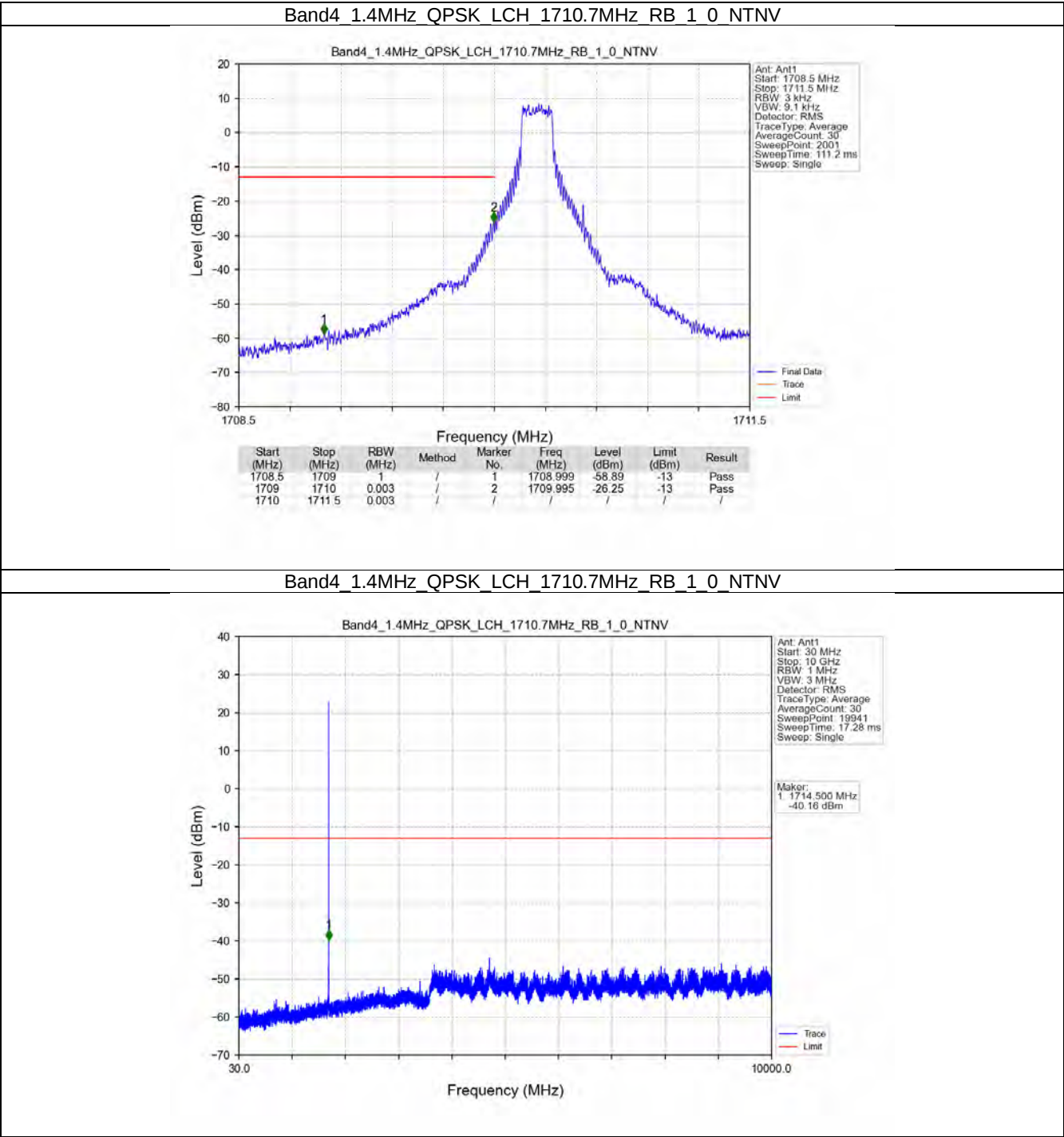
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.6 B4_20MHz

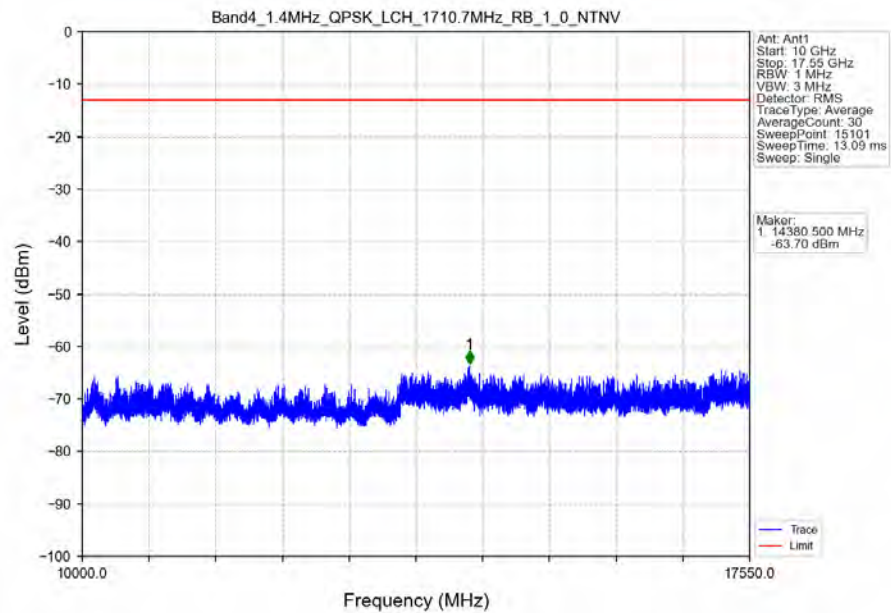
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

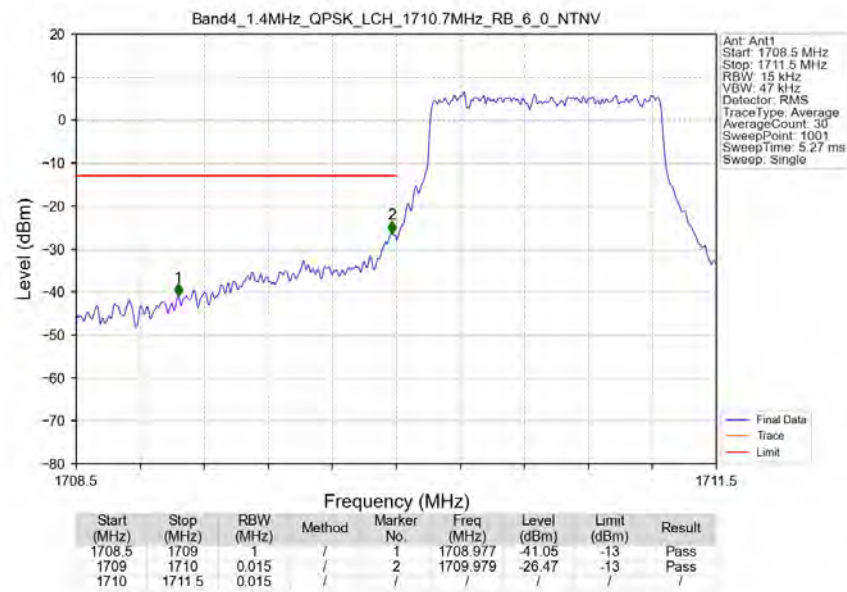
5.2.1 B4_1.4MHz



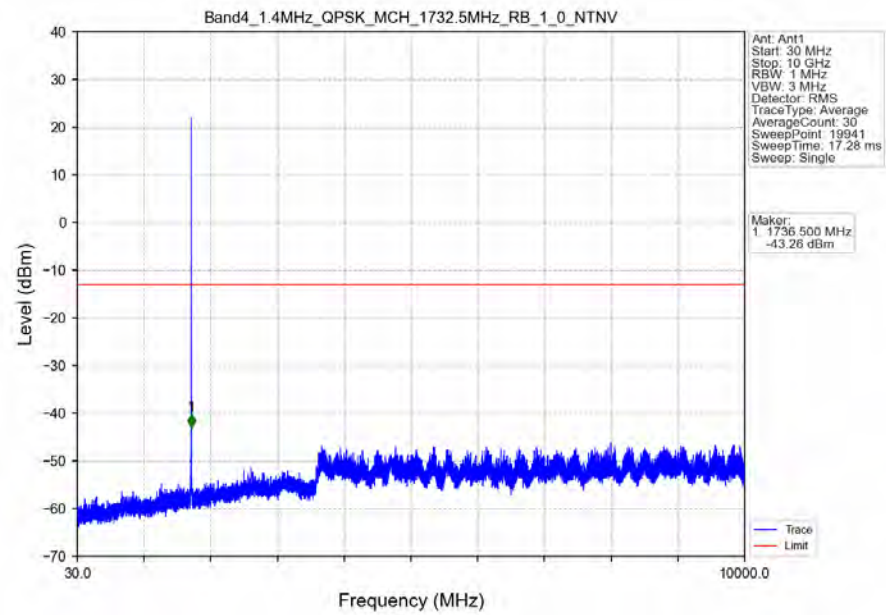
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



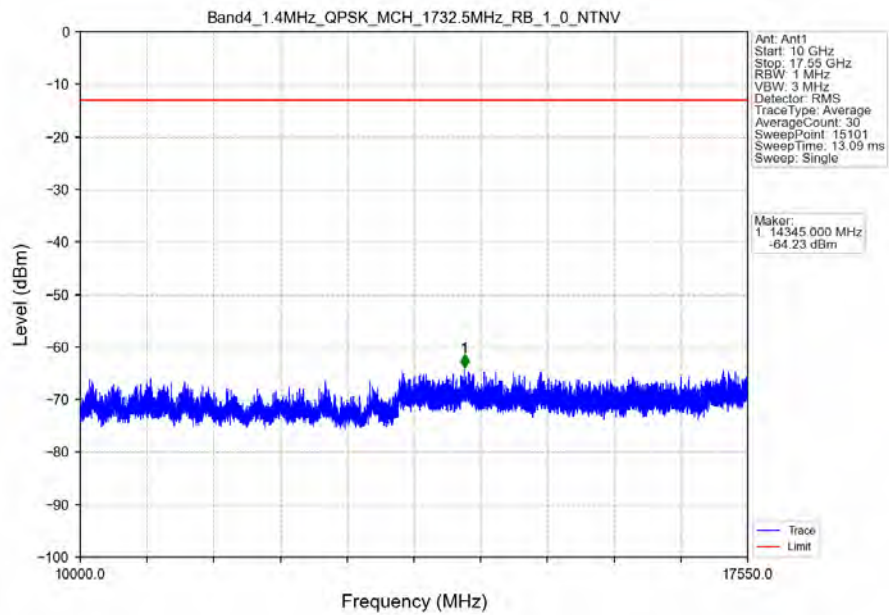
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



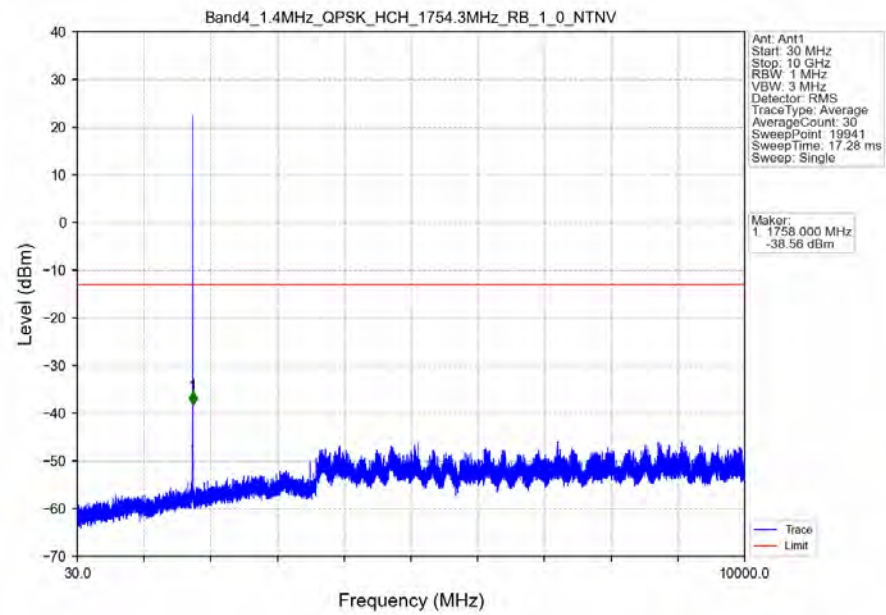
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



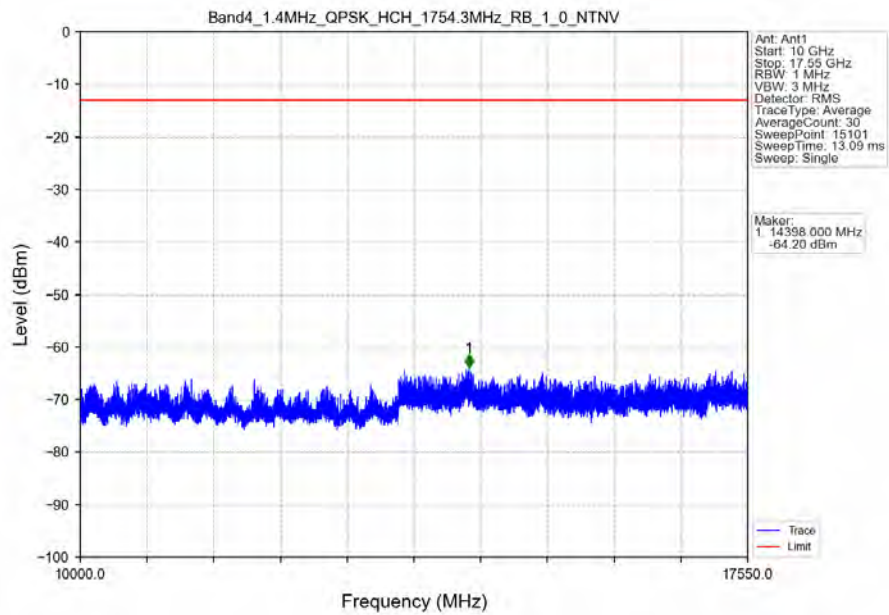
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



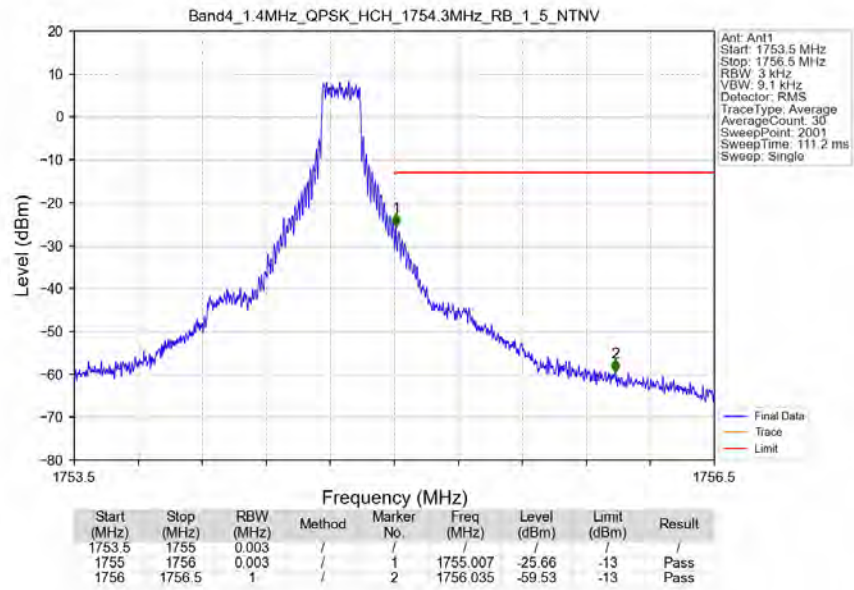
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



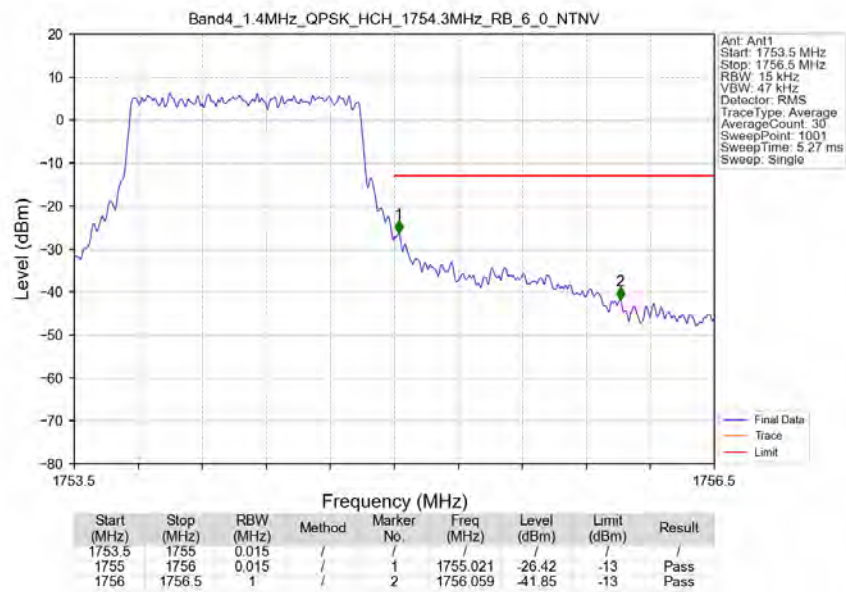
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



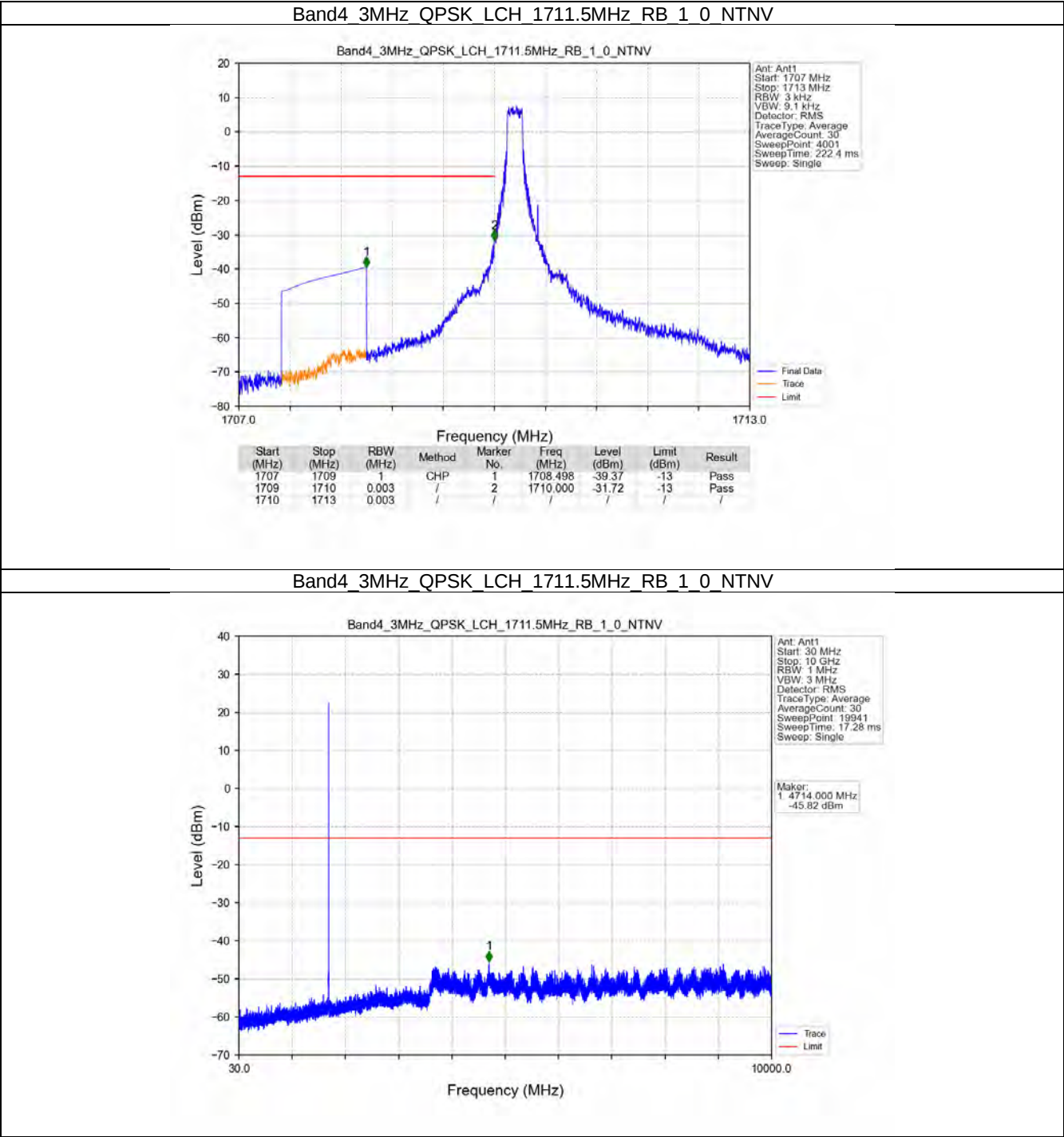
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



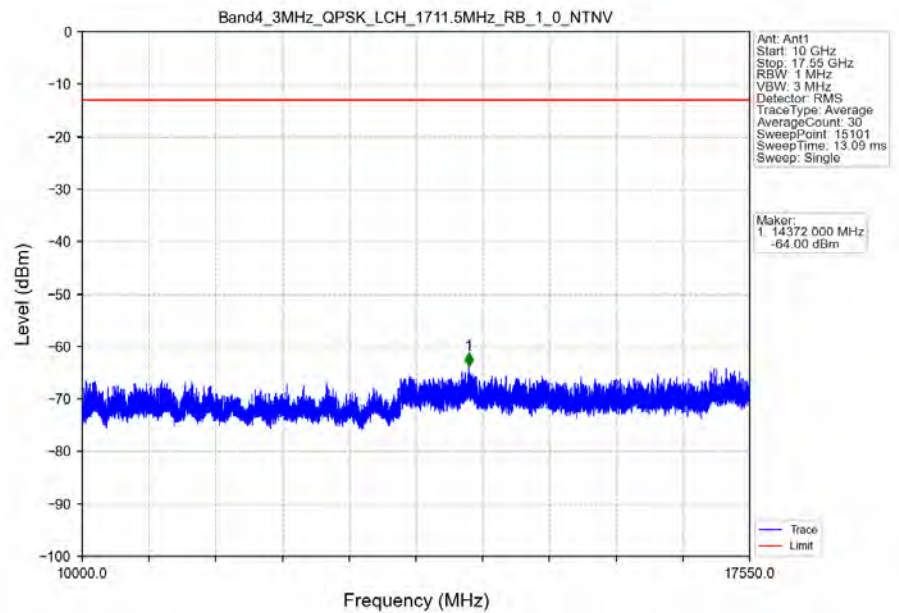
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



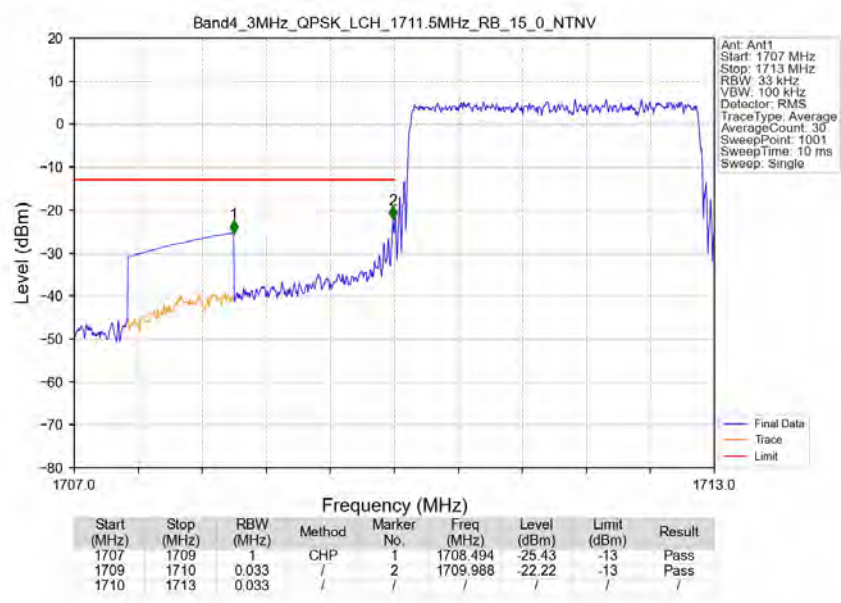
5.2.2 B4_3MHz



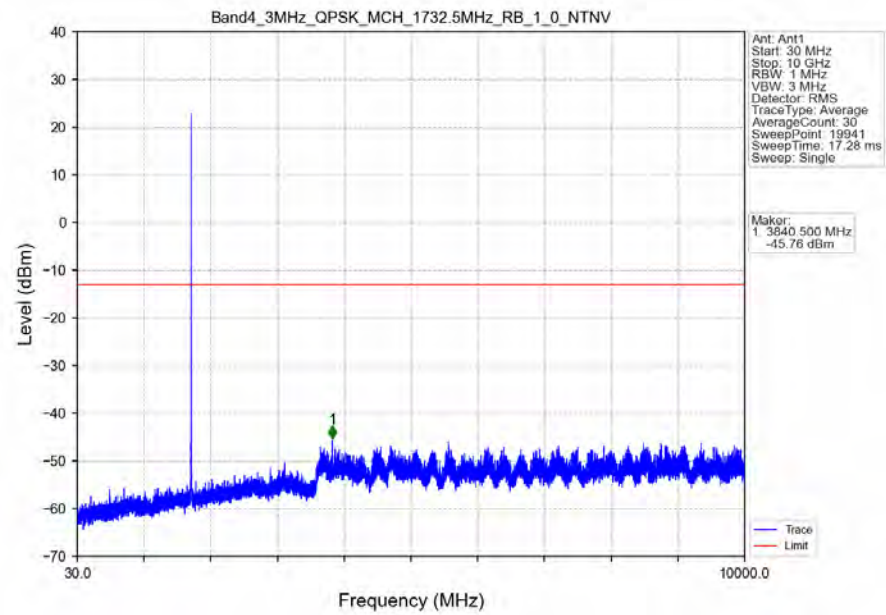
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



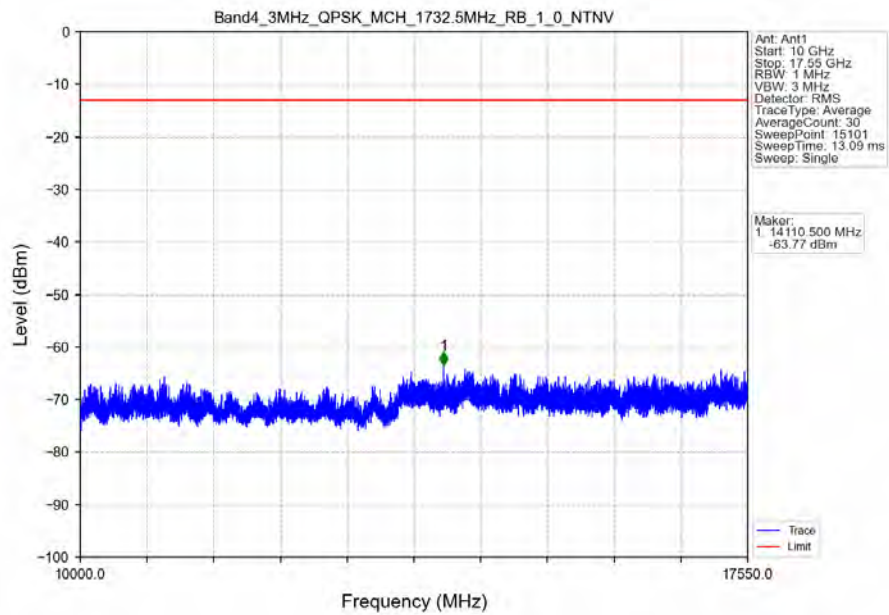
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



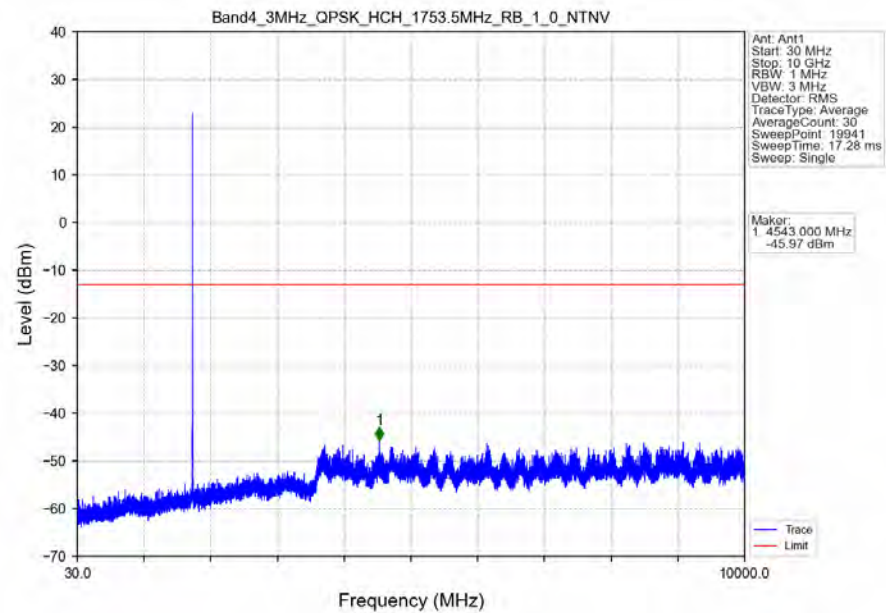
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



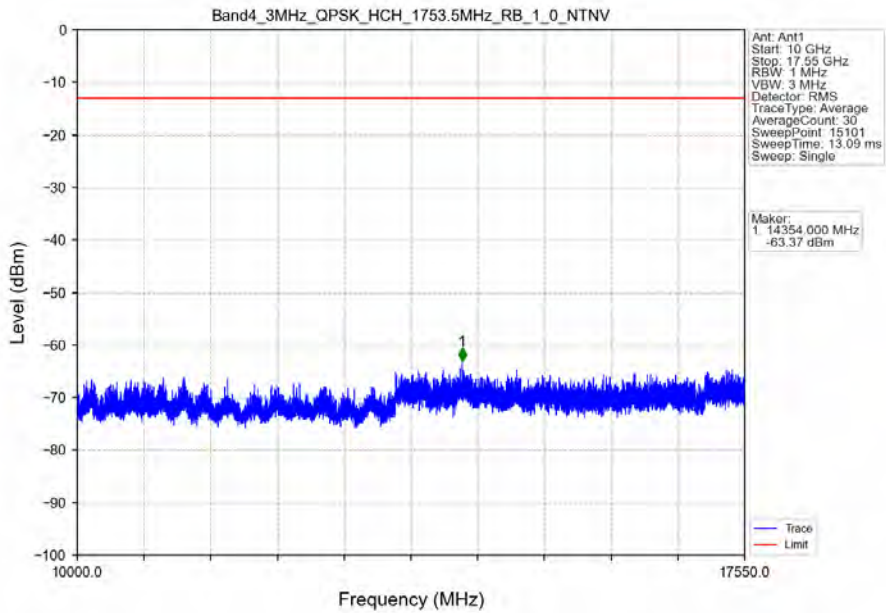
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



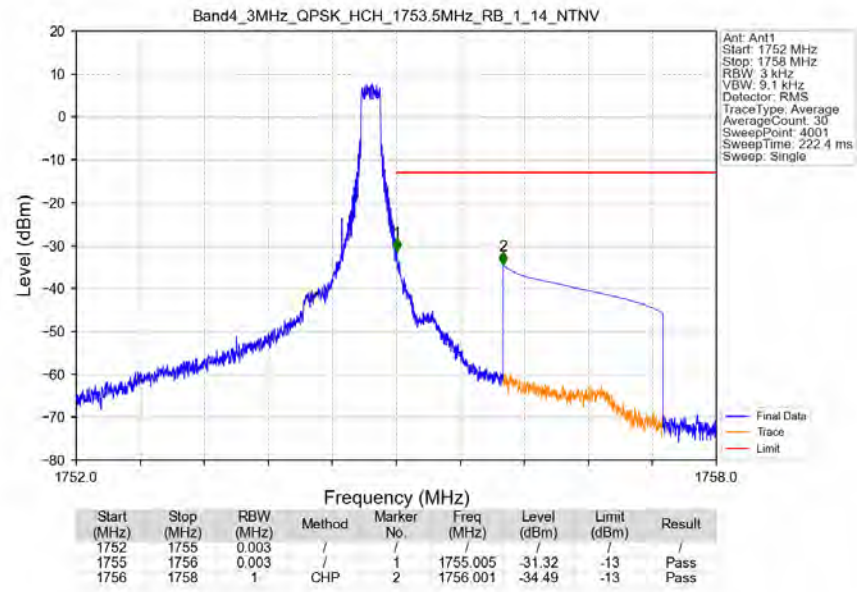
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



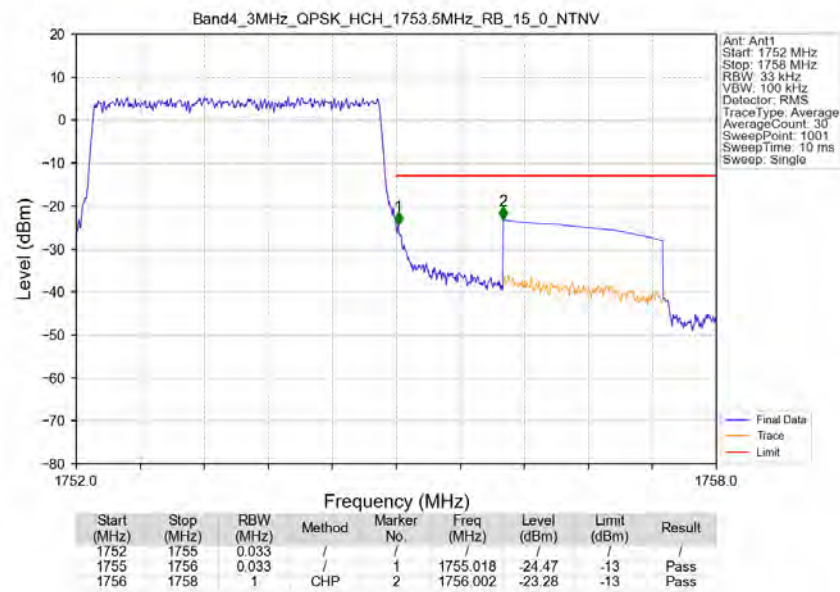
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV

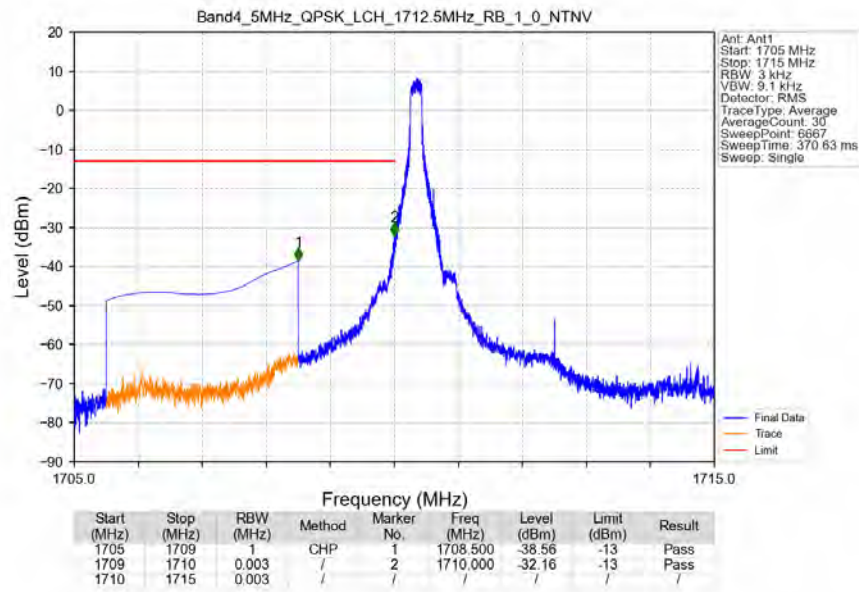


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

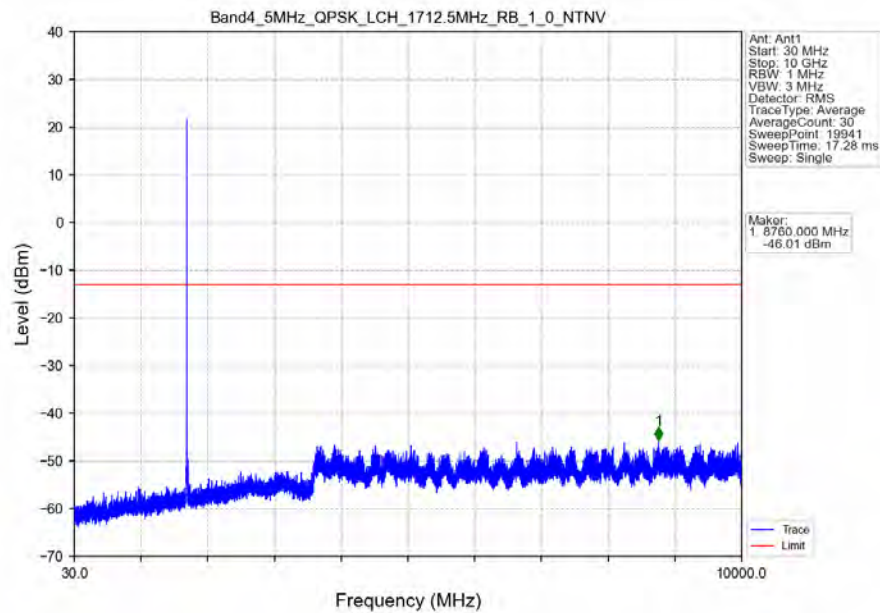


5.2.3 B4_5MHz

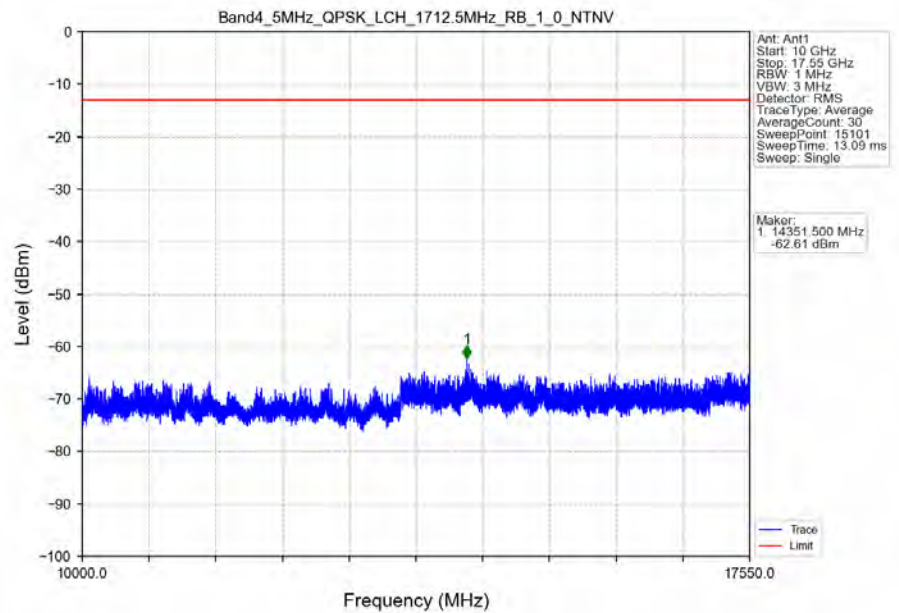
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



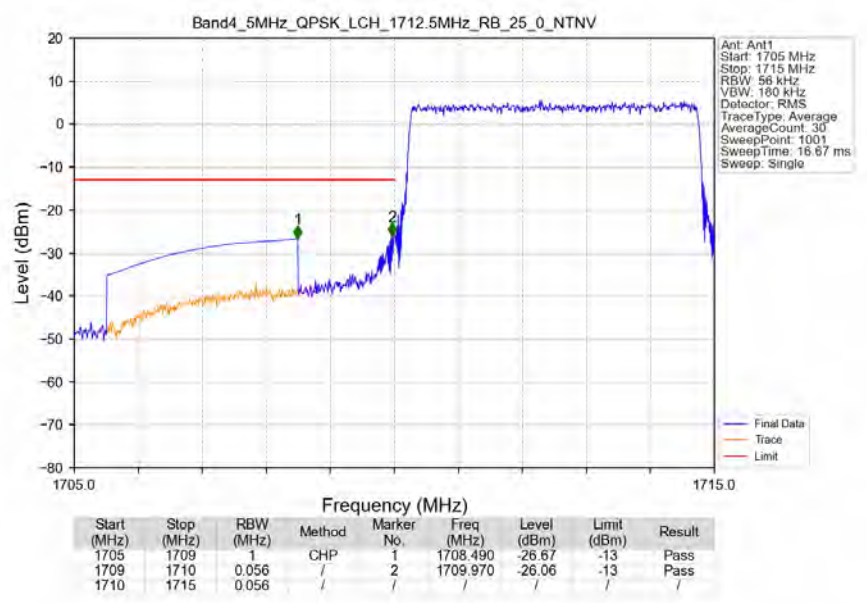
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



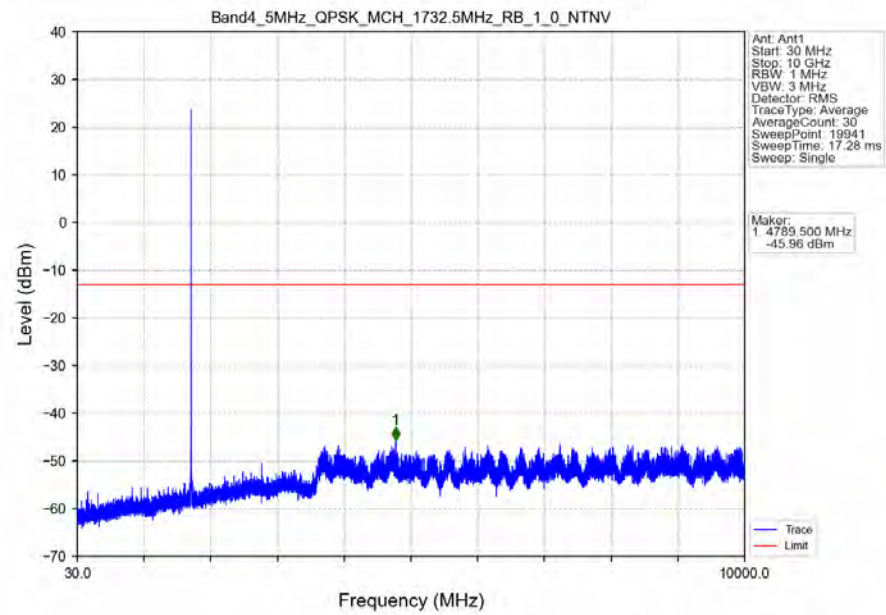
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



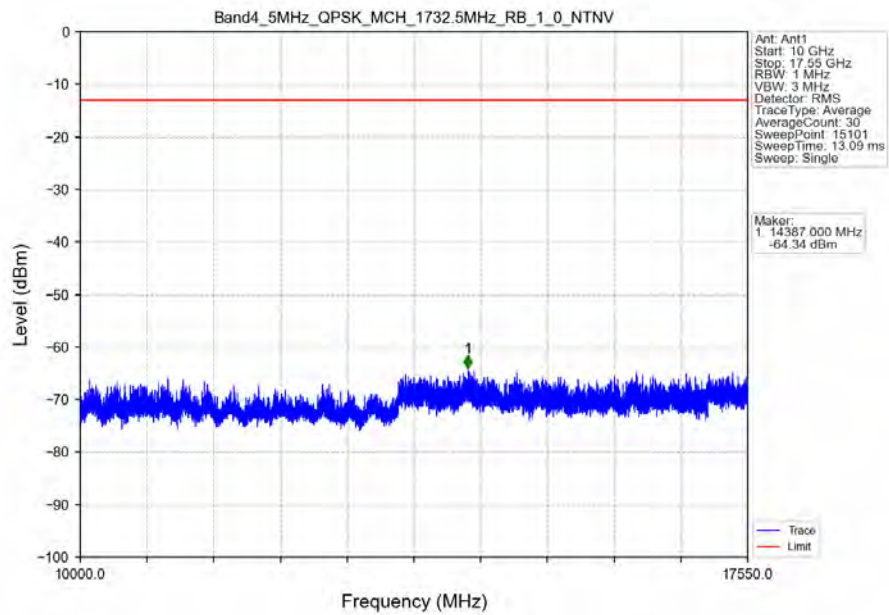
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



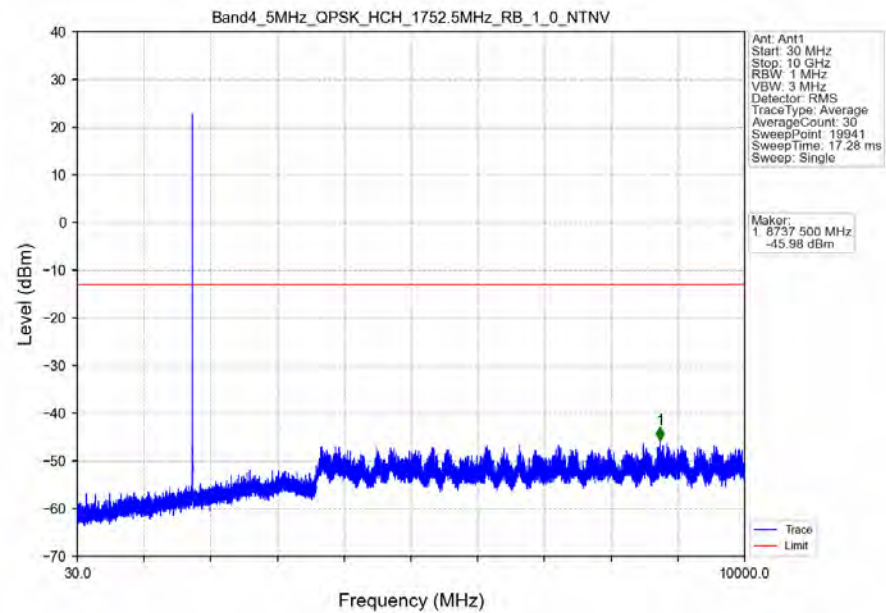
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



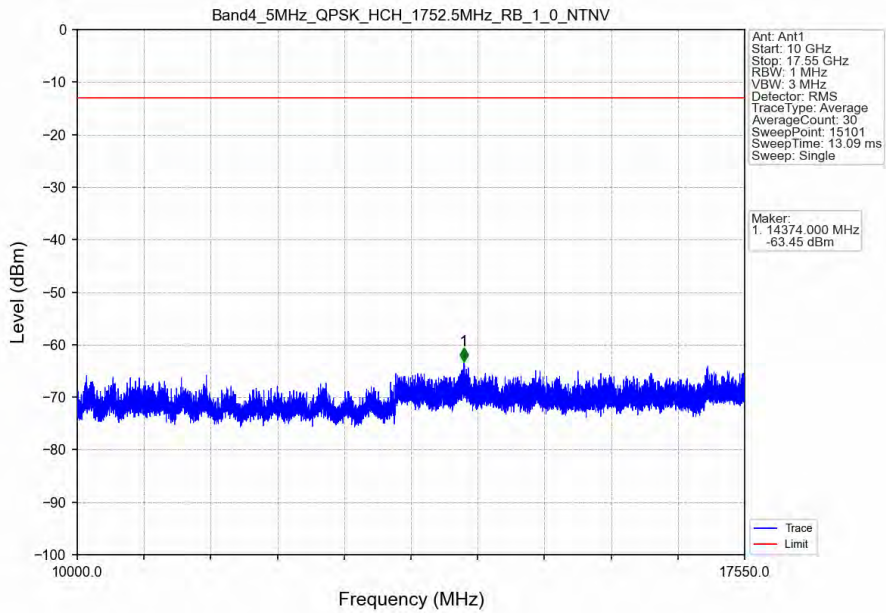
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



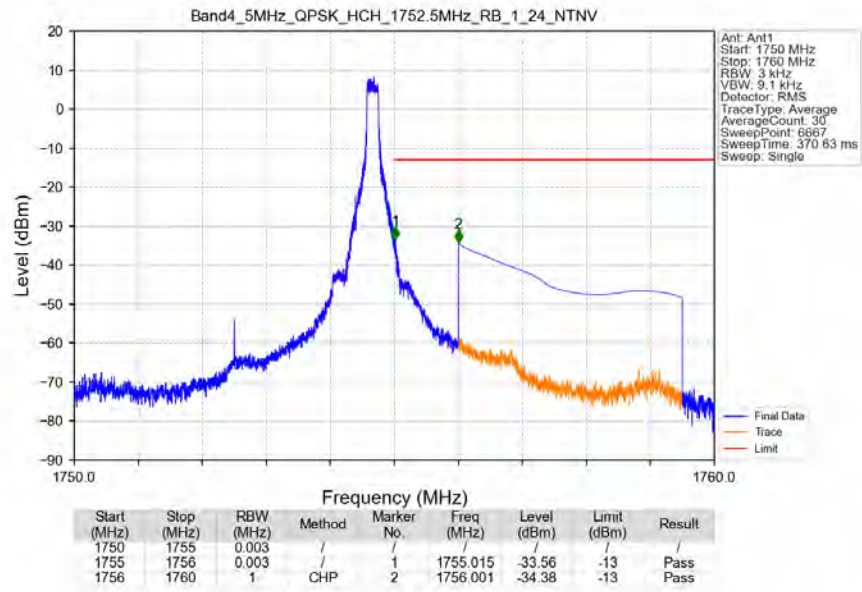
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



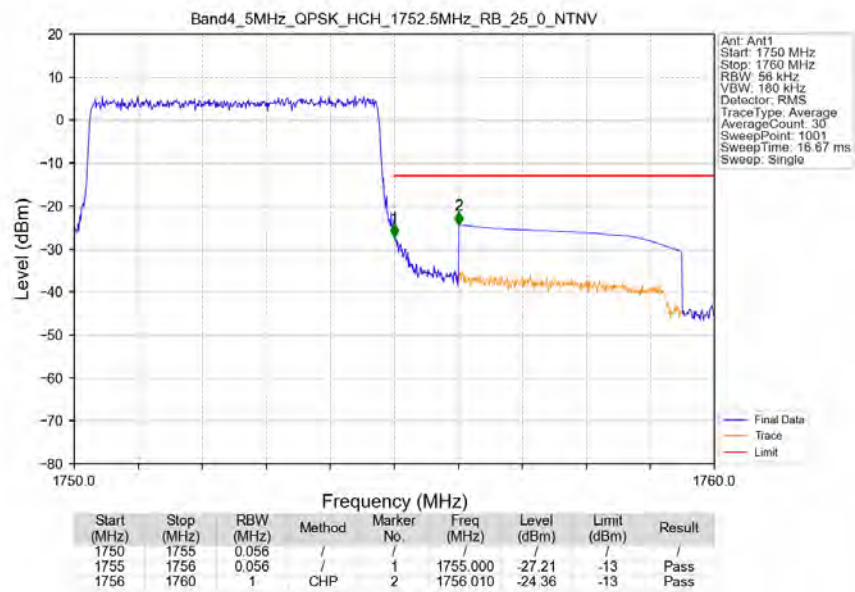
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV

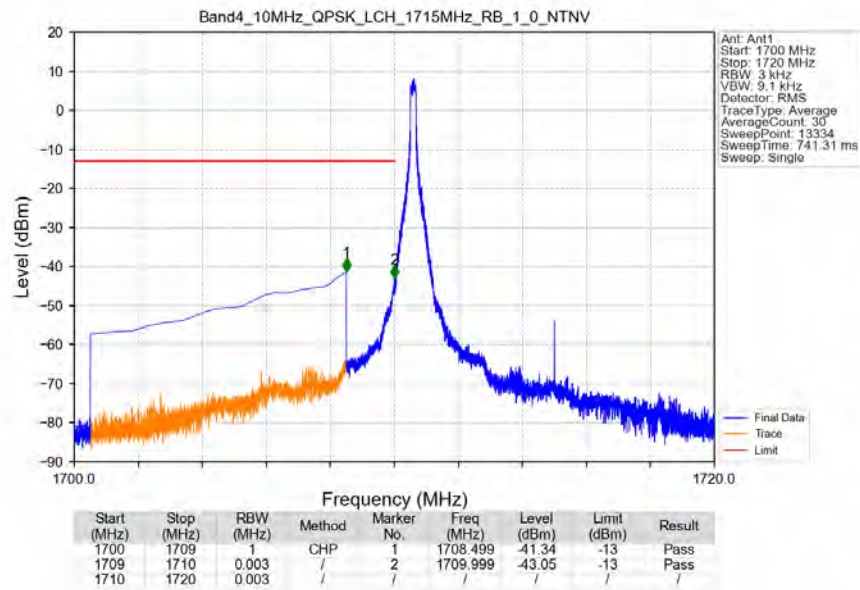


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

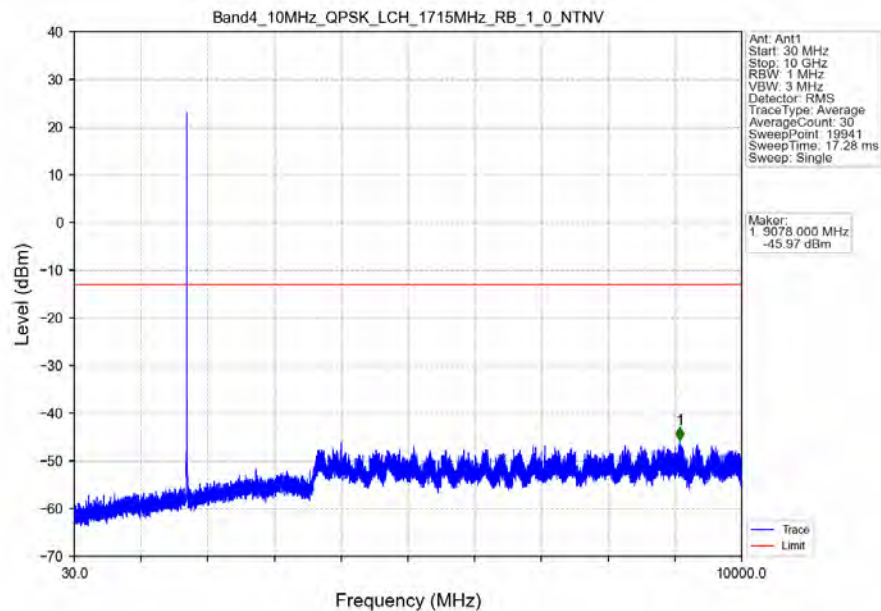


5.2.4 B4_10MHz

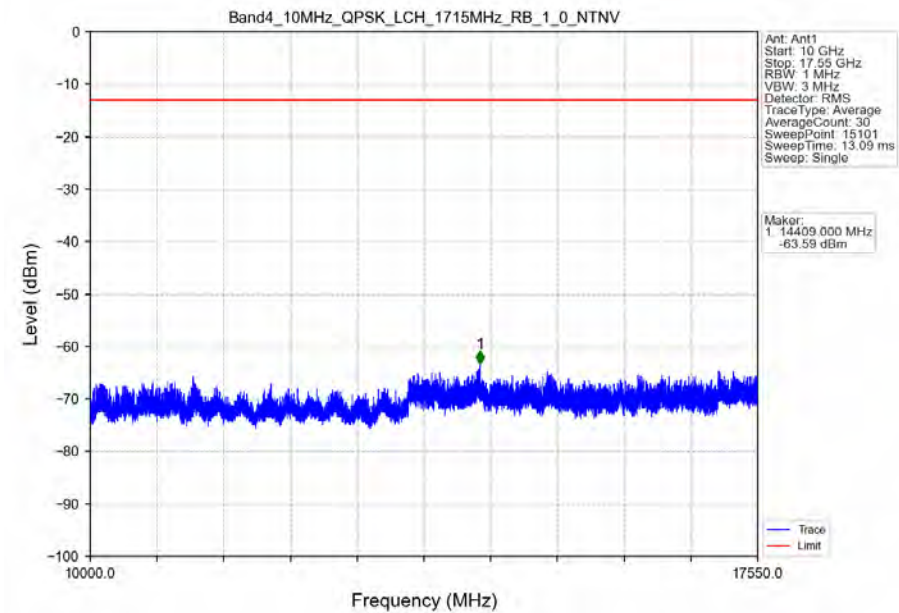
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



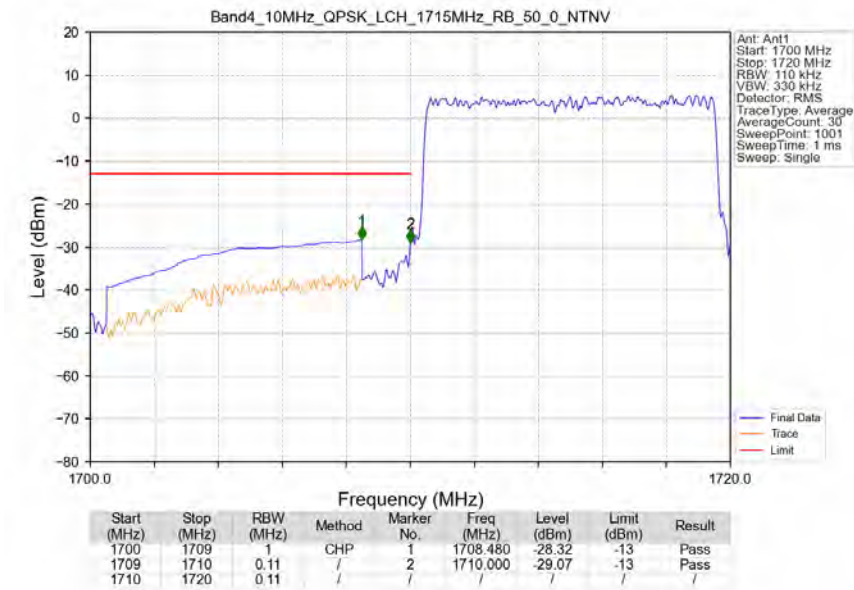
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



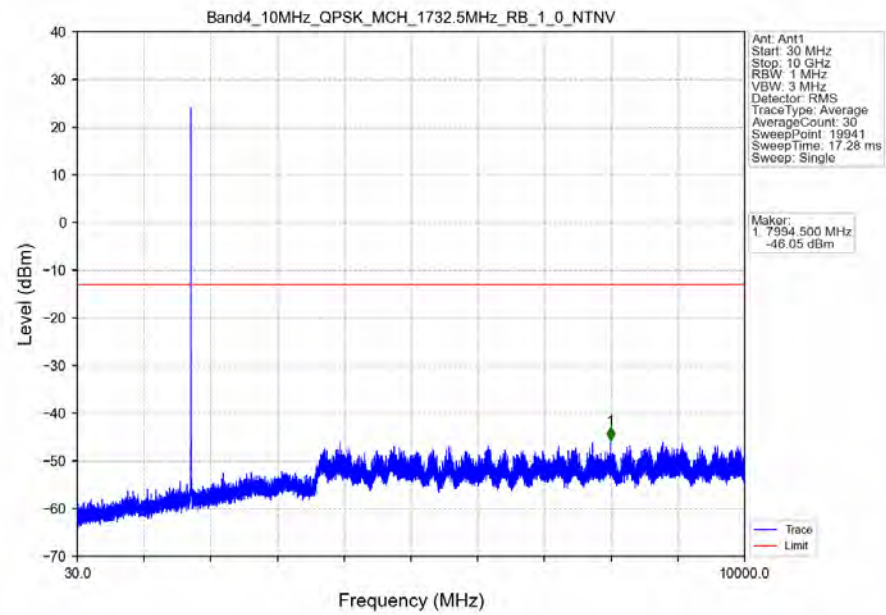
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



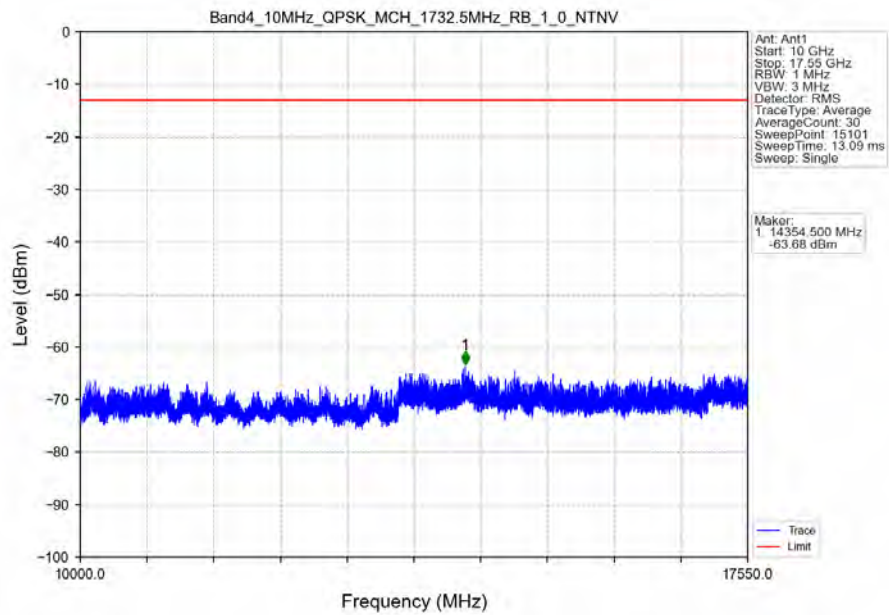
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



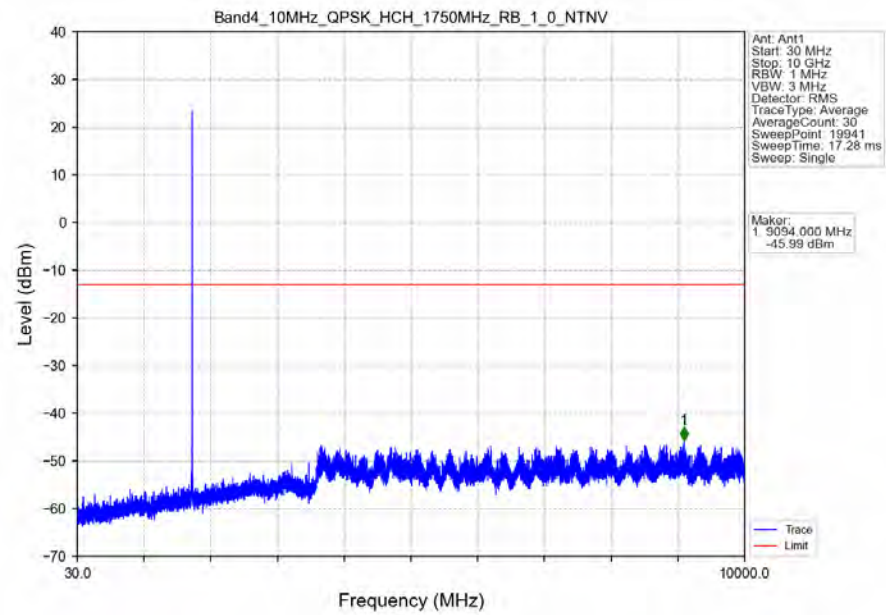
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



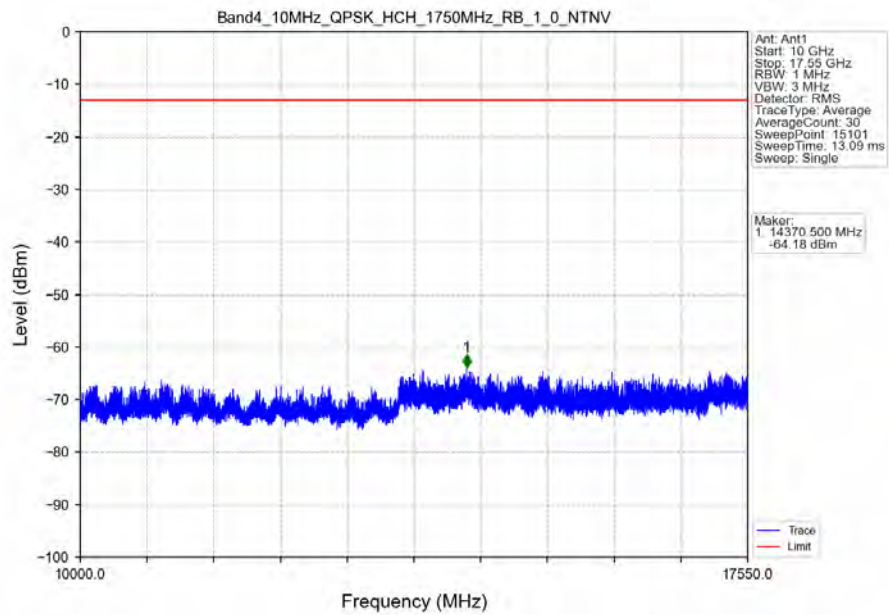
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



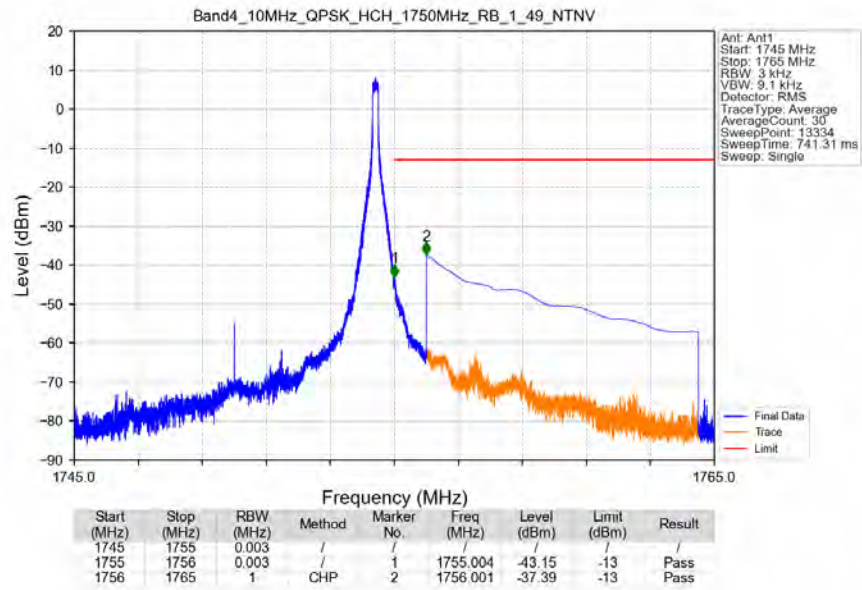
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



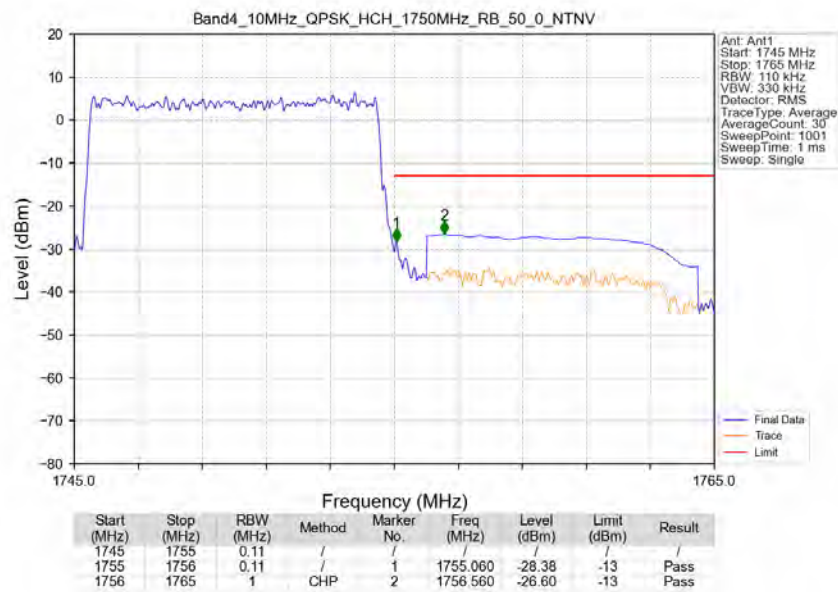
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV

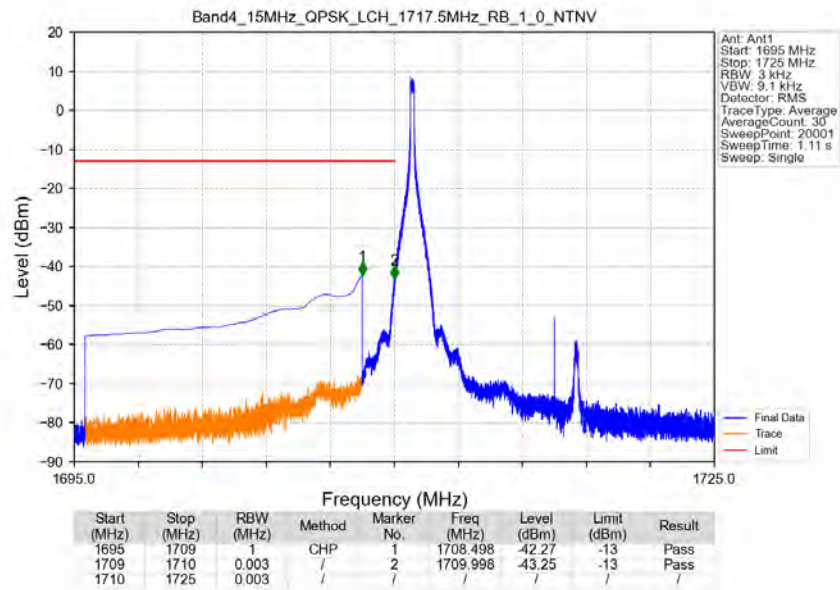


Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

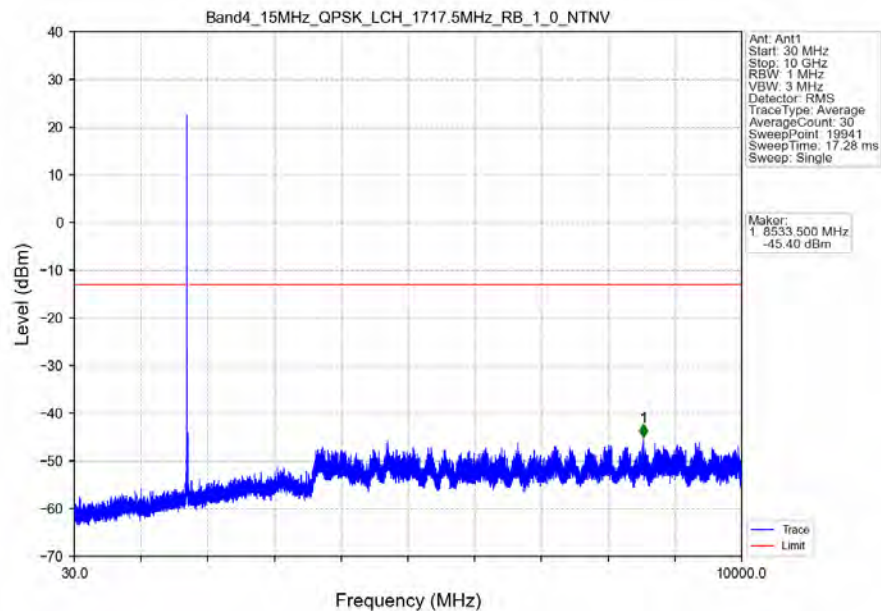


5.2.5 B4_15MHz

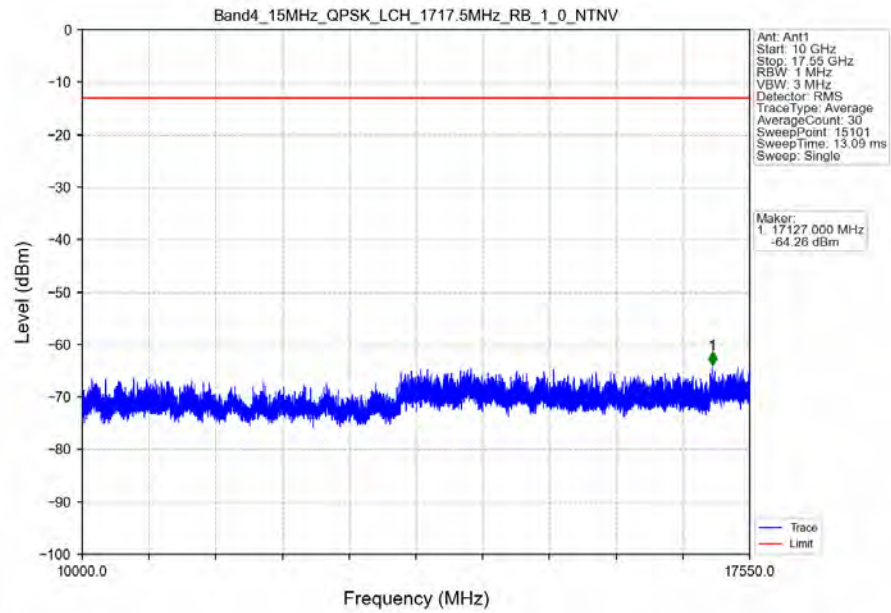
Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTNV



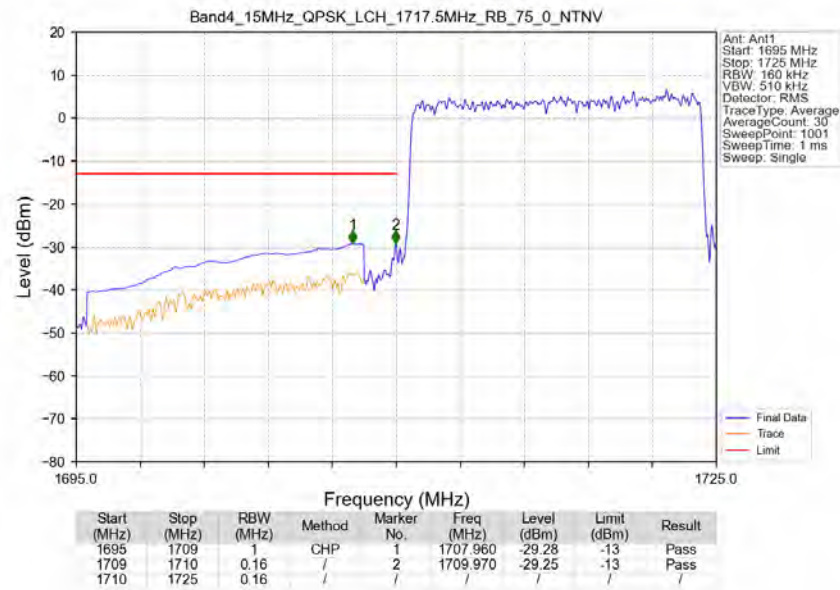
Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTNV



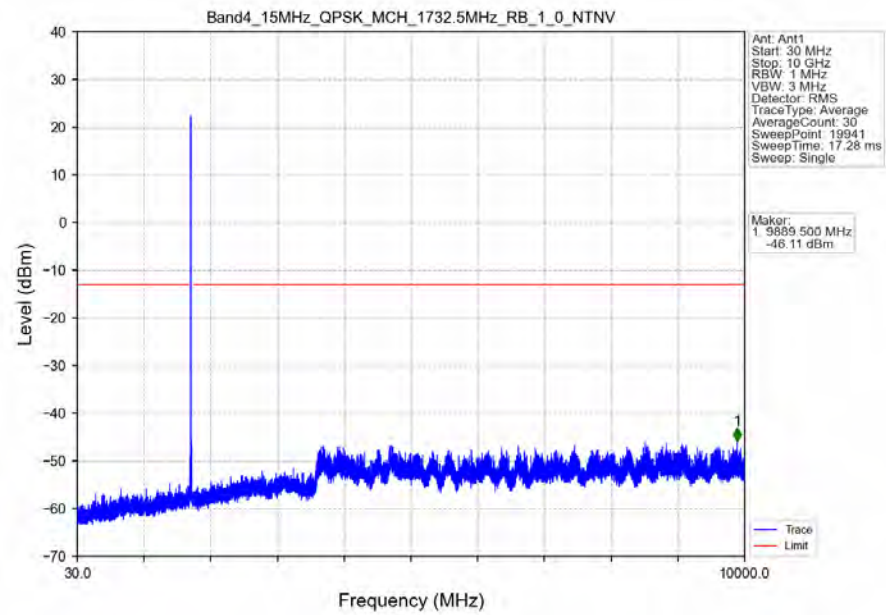
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



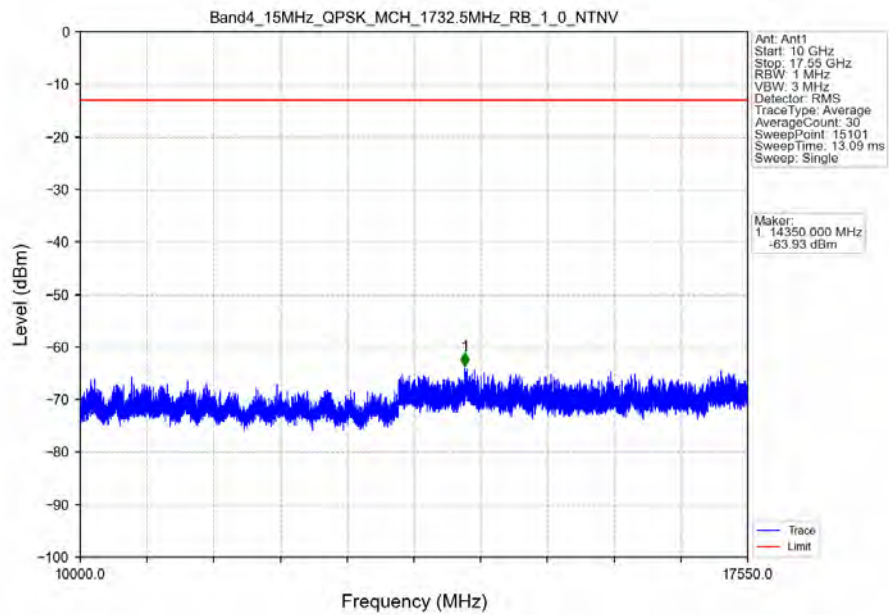
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



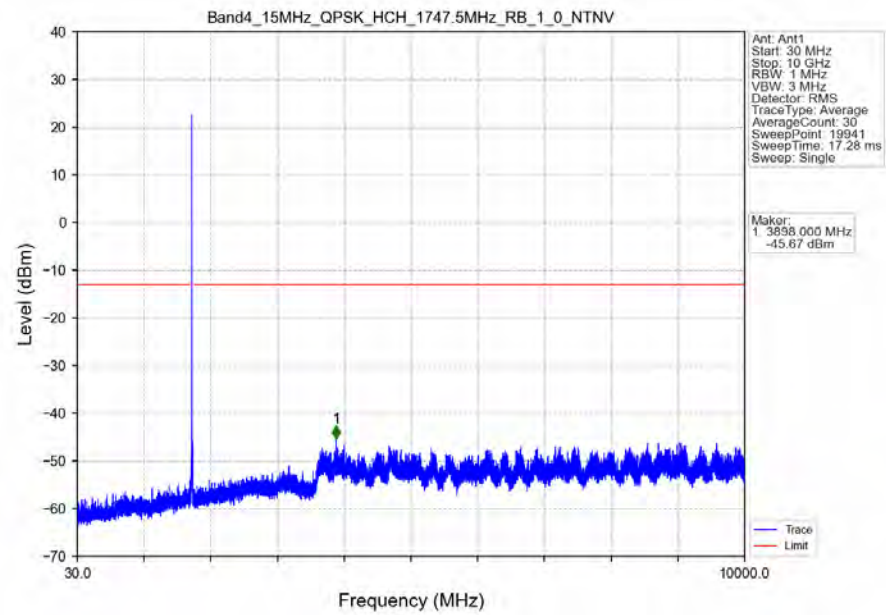
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



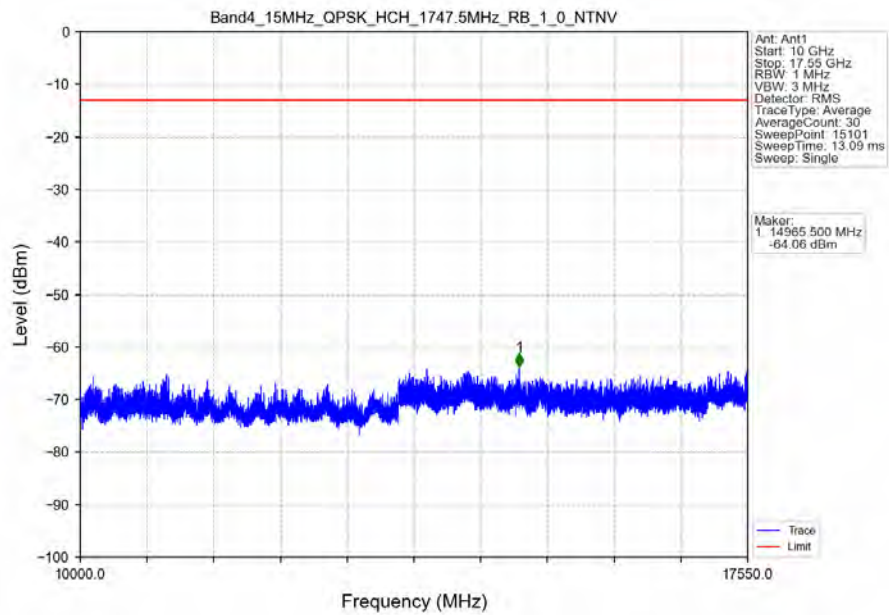
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



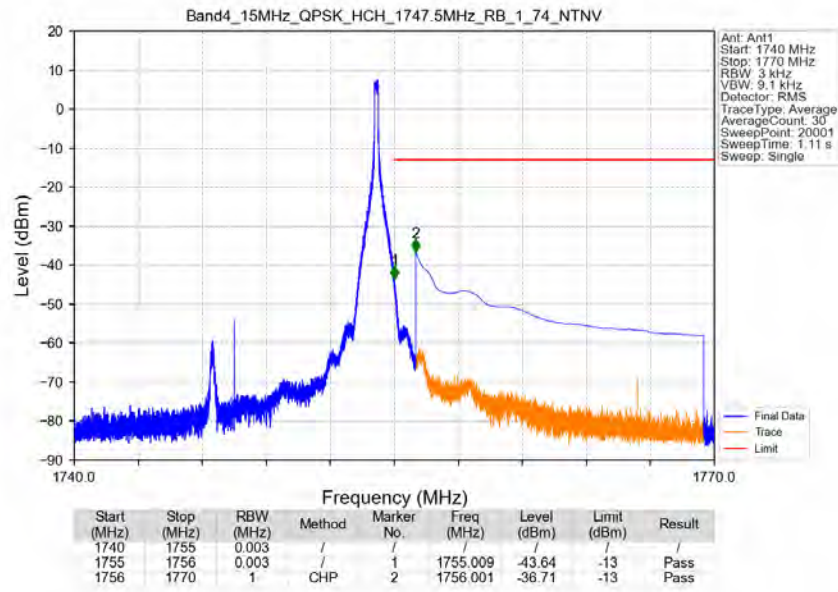
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



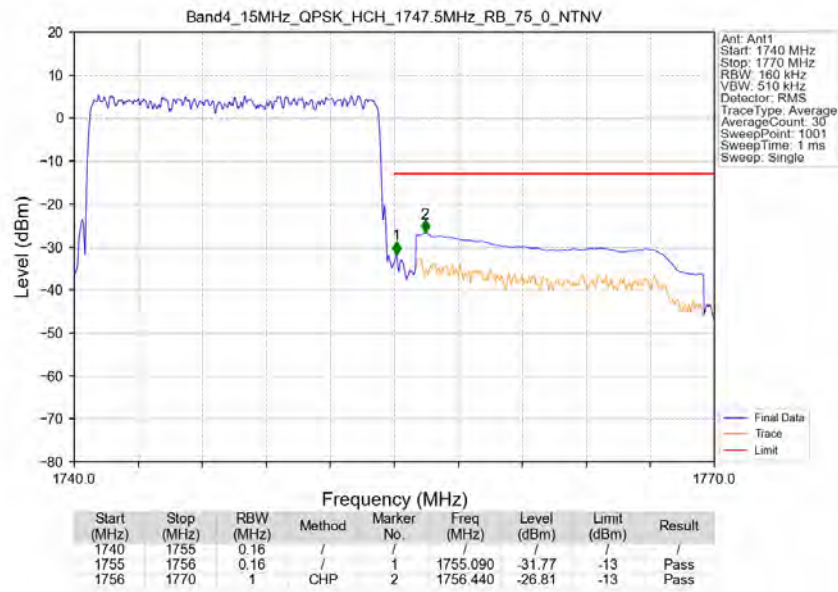
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV

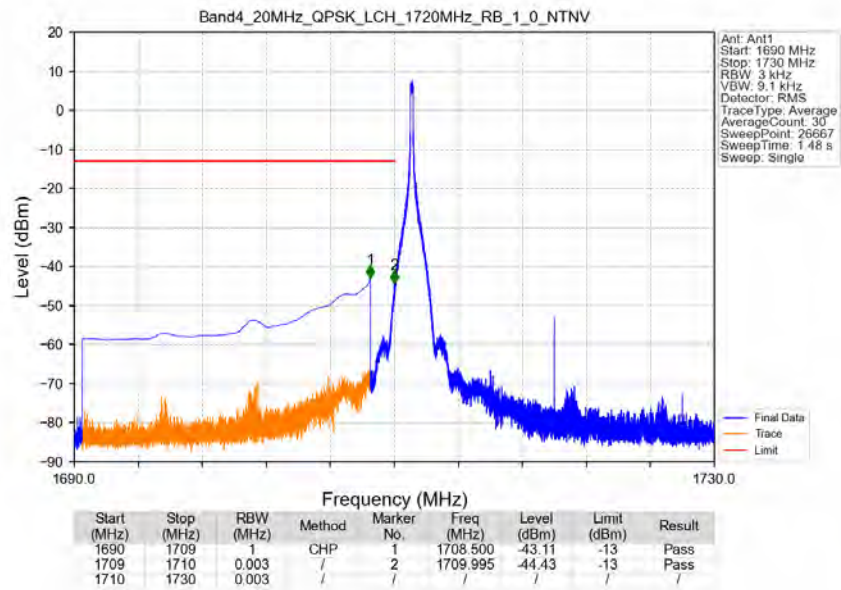


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

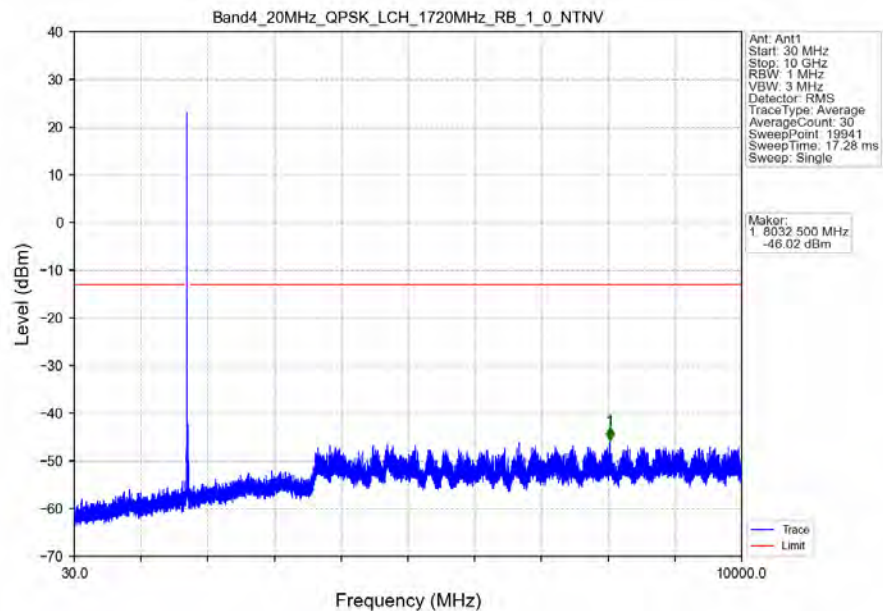


5.2.6 B4_20MHz

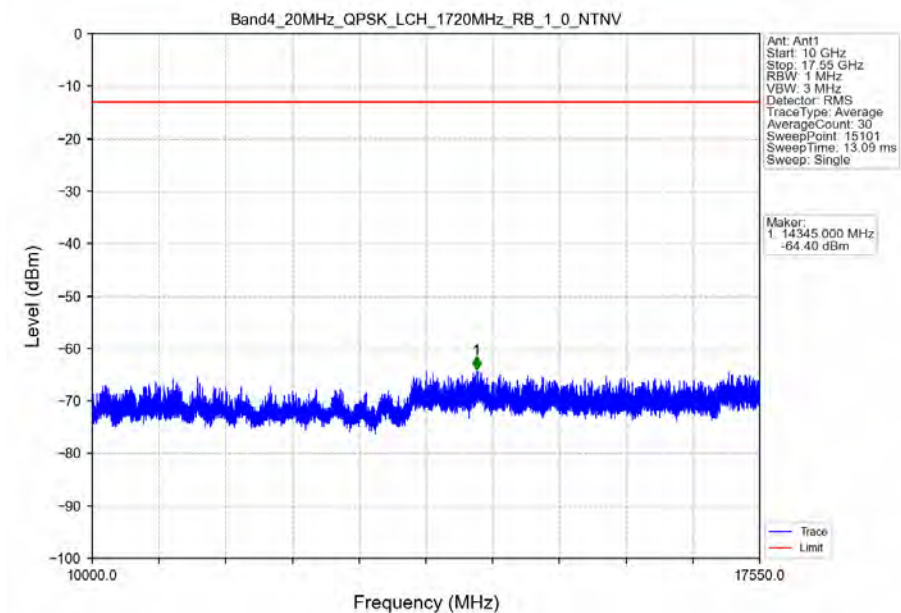
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



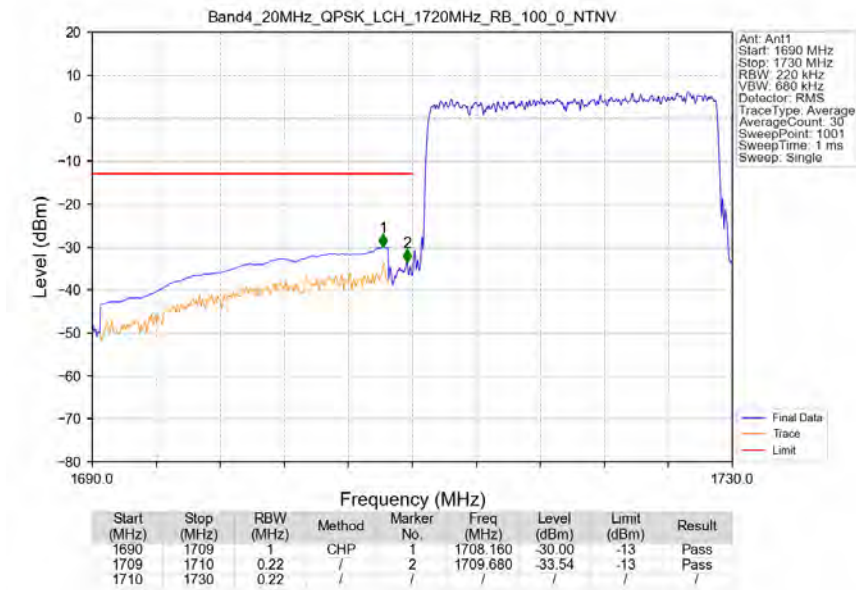
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



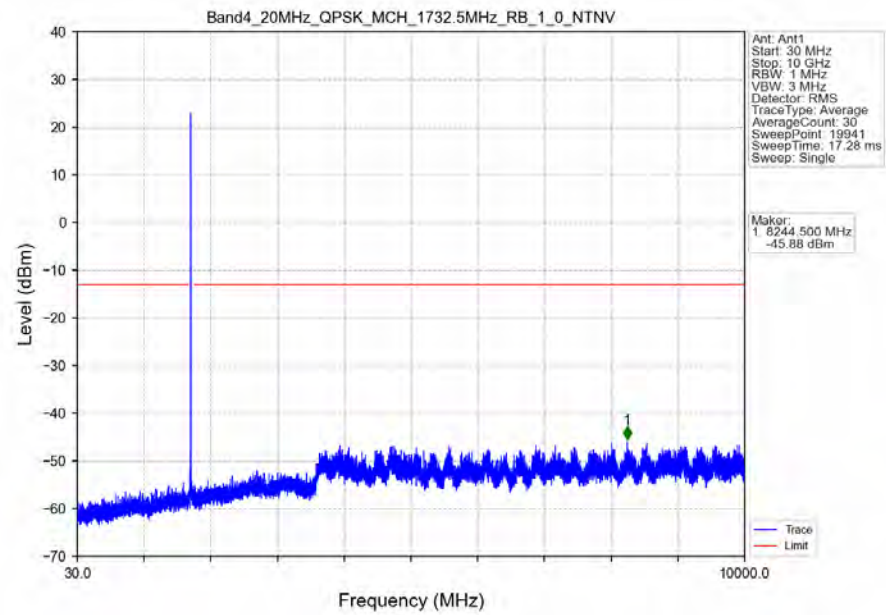
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



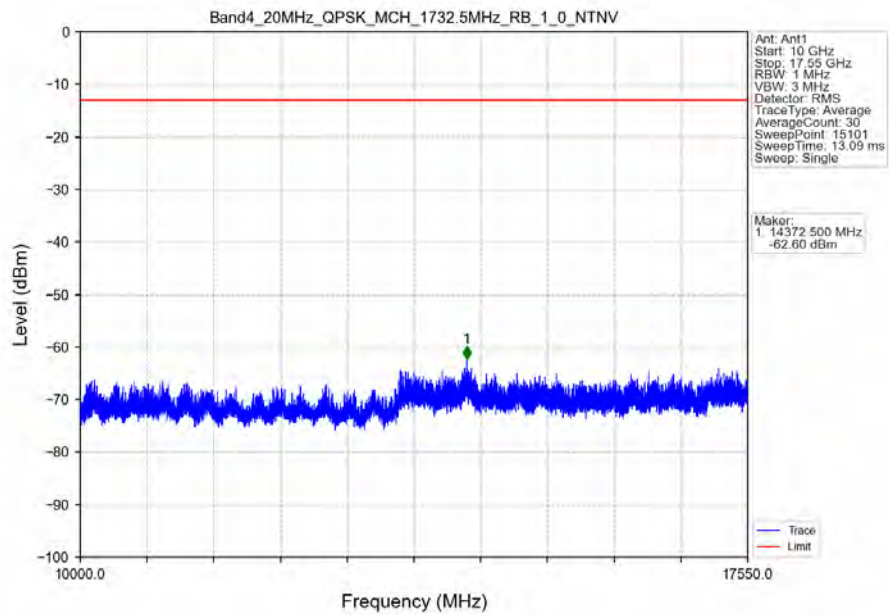
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



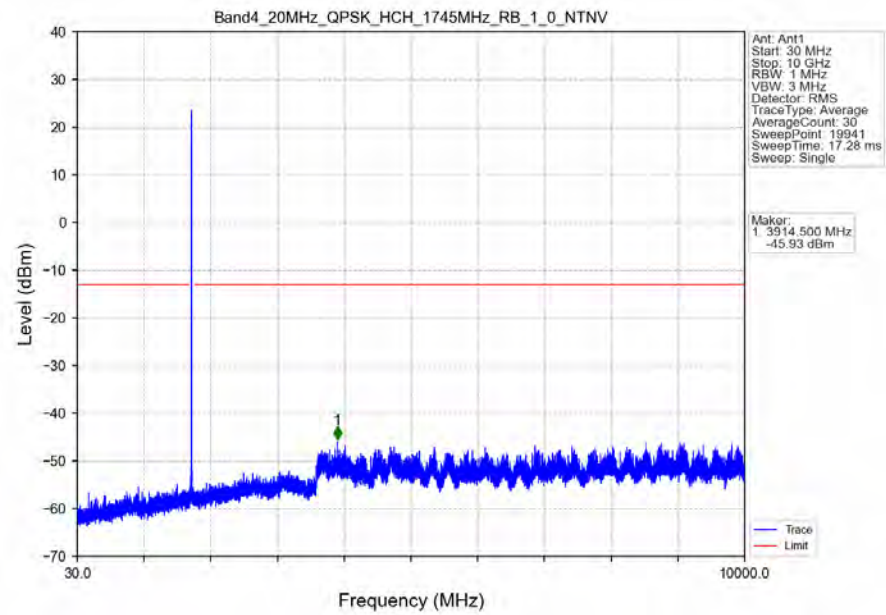
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



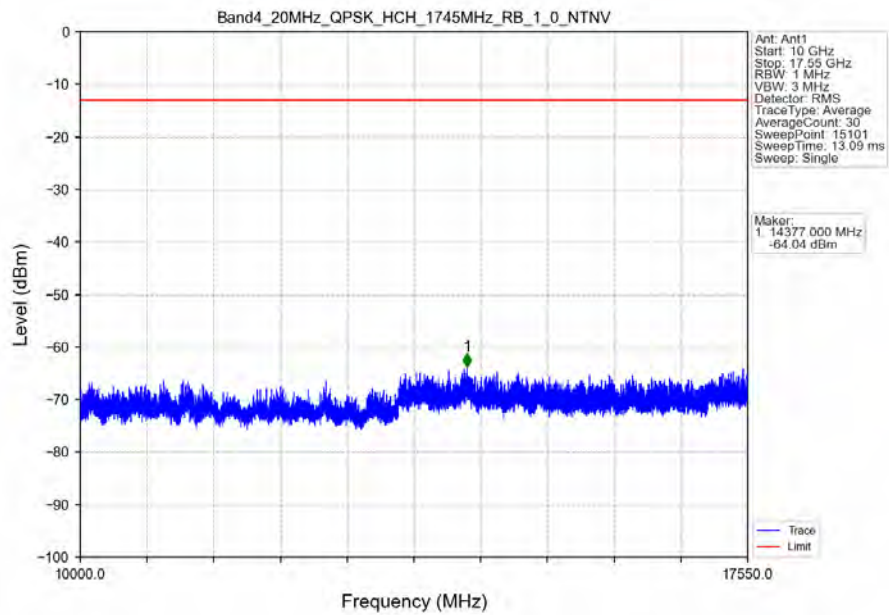
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



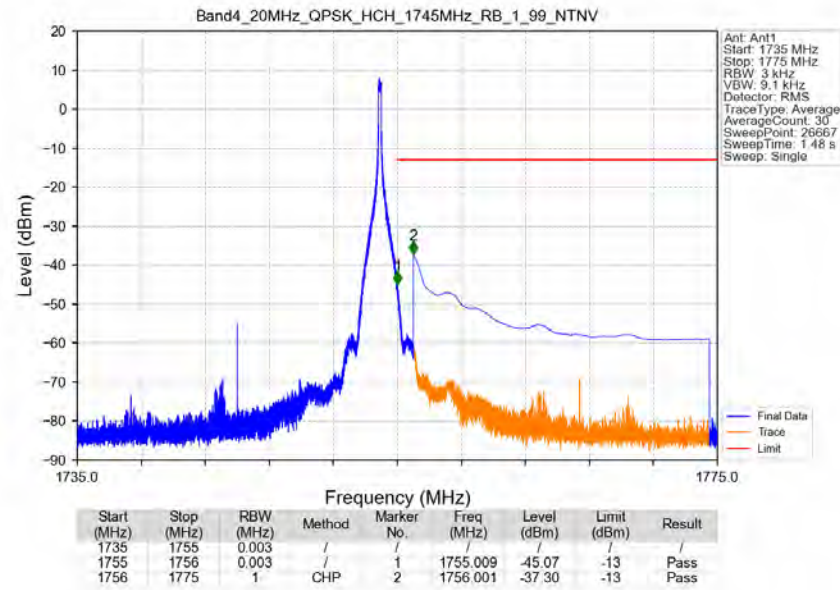
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



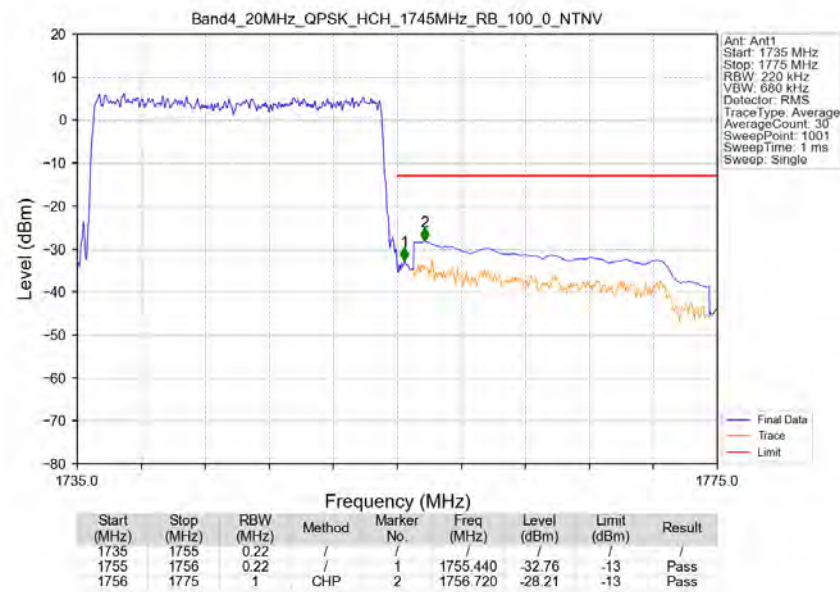
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



6. Field Strength of Spurious Radiation

LTE Band 4-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
3422.0	-50.29	-13	-37.29	-55.03	3.24	7.98	Horizontal	Pass
5133.0	-50.38	-13	-37.38	-56.35	4.25	10.22	Horizontal	Pass
6844.0	-45.78	-13	-32.78	-52.52	4.19	10.93	Horizontal	Pass
3422.0	-52.44	-13	-39.44	-57.18	3.24	7.98	Vertical	Pass
5133.0	-48.99	-13	-35.99	-54.96	4.25	10.22	Vertical	Pass
6844.0	-40.62	-13	-27.62	-47.36	4.19	10.93	Vertical	Pass

LTE Band 4-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
3447.0	-51.59	-13	-38.59	-56.37	3.26	8.04	Horizontal	Pass
5170.5	-48.88	-13	-35.88	-54.88	4.25	10.25	Horizontal	Pass
6894.0	-46.29	-13	-33.29	-53.09	4.19	10.99	Horizontal	Pass
3447.0	-52.53	-13	-39.53	-57.31	3.26	8.04	Vertical	Pass
5170.5	-48.88	-13	-35.88	-54.88	4.25	10.25	Vertical	Pass
6894.0	-41.43	-13	-28.43	-48.23	4.19	10.99	Vertical	Pass

LTE Band 4-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
3472.0	-47.42	-13	-34.42	-52.25	3.27	8.1	Horizontal	Pass
5208.0	-51.13	-13	-38.13	-57.15	4.25	10.27	Horizontal	Pass
6944.0	-46.63	-13	-33.63	-53.5	4.19	11.06	Horizontal	Pass
3472.0	-51.36	-13	-38.36	-56.19	3.27	8.1	Vertical	Pass
5208.0	-49.36	-13	-36.36	-55.38	4.25	10.27	Vertical	Pass
6944.0	-43.14	-13	-30.14	-50.01	4.19	11.06	Vertical	Pass

---End of Attachment---