

Appendix - LTE_band_4

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	23.40	-0.10	23.30	<=30	Pass	
			2	23.31	-0.10	23.21	<=30	Pass	
			5	23.22	-0.10	23.12	<=30	Pass	
		3	0	23.20	-0.10	23.10	<=30	Pass	
			2	23.28	-0.10	23.18	<=30	Pass	
			3	23.26	-0.10	23.16	<=30	Pass	
		6	0	22.22	-0.10	22.12	<=30	Pass	
		1732.5	1	0	22.96	-0.10	22.86	<=30	Pass
				2	23.15	-0.10	23.05	<=30	Pass
	5			23.16	-0.10	23.06	<=30	Pass	
	3		0	23.03	-0.10	22.93	<=30	Pass	
			2	22.99	-0.10	22.89	<=30	Pass	
			3	22.82	-0.10	22.72	<=30	Pass	
	6		0	21.97	-0.10	21.87	<=30	Pass	
	1754.3		1	0	22.88	-0.10	22.78	<=30	Pass
				2	23.15	-0.10	23.05	<=30	Pass
		5		22.93	-0.10	22.83	<=30	Pass	
		3	0	22.77	-0.10	22.67	<=30	Pass	
			2	22.87	-0.10	22.77	<=30	Pass	
			3	22.83	-0.10	22.73	<=30	Pass	
		6	0	21.71	-0.10	21.61	<=30	Pass	
16QAM		1710.7	1	0	22.84	-0.10	22.74	<=30	Pass
				2	23.04	-0.10	22.94	<=30	Pass
	5			22.64	-0.10	22.54	<=30	Pass	
	3		0	22.17	-0.10	22.07	<=30	Pass	
			2	22.30	-0.10	22.20	<=30	Pass	
			3	21.99	-0.10	21.89	<=30	Pass	
	6		0	21.25	-0.10	21.15	<=30	Pass	
	1732.5		1	0	21.97	-0.10	21.87	<=30	Pass
				2	21.99	-0.10	21.89	<=30	Pass
		5		21.86	-0.10	21.76	<=30	Pass	
		3	0	21.78	-0.10	21.68	<=30	Pass	
			2	22.11	-0.10	22.01	<=30	Pass	
			3	22.00	-0.10	21.90	<=30	Pass	
		6	0	20.83	-0.10	20.73	<=30	Pass	
		1754.3	1	0	21.60	-0.10	21.50	<=30	Pass
				2	21.58	-0.10	21.48	<=30	Pass
	5			21.74	-0.10	21.64	<=30	Pass	
	3		0	21.63	-0.10	21.53	<=30	Pass	
			2	21.72	-0.10	21.62	<=30	Pass	
			3	21.78	-0.10	21.68	<=30	Pass	
	6		0	20.50	-0.10	20.40	<=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	22.81	-0.10	22.71	<=30	Pass
			7	23.31	-0.10	23.21	<=30	Pass
			14	22.79	-0.10	22.69	<=30	Pass
		8	0	21.75	-0.10	21.65	<=30	Pass
			4	21.83	-0.10	21.73	<=30	Pass
			7	21.79	-0.10	21.69	<=30	Pass
		15	0	21.75	-0.10	21.65	<=30	Pass
	1732.5	1	0	22.61	-0.10	22.51	<=30	Pass
			7	22.67	-0.10	22.57	<=30	Pass
			14	22.54	-0.10	22.44	<=30	Pass
		8	0	21.49	-0.10	21.39	<=30	Pass
			4	21.52	-0.10	21.42	<=30	Pass
			7	21.75	-0.10	21.65	<=30	Pass
		15	0	21.66	-0.10	21.56	<=30	Pass
	1753.5	1	0	22.35	-0.10	22.25	<=30	Pass
			7	22.55	-0.10	22.45	<=30	Pass
			14	22.49	-0.10	22.39	<=30	Pass
		8	0	21.40	-0.10	21.30	<=30	Pass
			4	21.48	-0.10	21.38	<=30	Pass
			7	21.36	-0.10	21.26	<=30	Pass
		15	0	21.45	-0.10	21.35	<=30	Pass
16QAM	1711.5	1	0	22.07	-0.10	21.97	<=30	Pass
			7	22.75	-0.10	22.65	<=30	Pass
			14	22.63	-0.10	22.53	<=30	Pass
		8	0	21.01	-0.10	20.91	<=30	Pass
			4	20.97	-0.10	20.87	<=30	Pass
			7	21.09	-0.10	20.99	<=30	Pass
		15	0	21.17	-0.10	21.07	<=30	Pass
	1732.5	1	0	21.57	-0.10	21.47	<=30	Pass
			7	21.60	-0.10	21.50	<=30	Pass
			14	21.13	-0.10	21.03	<=30	Pass
		8	0	20.35	-0.10	20.25	<=30	Pass
			4	20.39	-0.10	20.29	<=30	Pass
			7	20.67	-0.10	20.57	<=30	Pass
		15	0	20.38	-0.10	20.28	<=30	Pass
	1753.5	1	0	21.55	-0.10	21.45	<=30	Pass
			7	22.03	-0.10	21.93	<=30	Pass
			14	21.73	-0.10	21.63	<=30	Pass
		8	0	20.22	-0.10	20.12	<=30	Pass
			4	20.31	-0.10	20.21	<=30	Pass
			7	20.51	-0.10	20.41	<=30	Pass
		15	0	20.90	-0.10	20.80	<=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	23.16	-0.10	23.06	<=30	Pass
			13	23.20	-0.10	23.10	<=30	Pass
			24	22.84	-0.10	22.74	<=30	Pass
		12	0	22.31	-0.10	22.21	<=30	Pass
			6	22.20	-0.10	22.10	<=30	Pass

			13	22.06	-0.10	21.96	<=30	Pass
		25	0	22.19	-0.10	22.09	<=30	Pass
	1732.5	1	0	22.77	-0.10	22.67	<=30	Pass
			13	22.88	-0.10	22.78	<=30	Pass
			24	22.70	-0.10	22.60	<=30	Pass
		12	0	21.66	-0.10	21.56	<=30	Pass
			6	21.75	-0.10	21.65	<=30	Pass
			13	21.73	-0.10	21.63	<=30	Pass
		25	0	21.64	-0.10	21.54	<=30	Pass
	1752.5	1	0	22.81	-0.10	22.71	<=30	Pass
			13	22.81	-0.10	22.71	<=30	Pass
			24	22.83	-0.10	22.73	<=30	Pass
		12	0	21.73	-0.10	21.63	<=30	Pass
			6	21.70	-0.10	21.60	<=30	Pass
			13	21.93	-0.10	21.83	<=30	Pass
		25	0	21.74	-0.10	21.64	<=30	Pass
16QAM	1712.5	1	0	22.33	-0.10	22.23	<=30	Pass
			13	22.37	-0.10	22.27	<=30	Pass
			24	22.59	-0.10	22.49	<=30	Pass
		12	0	21.23	-0.10	21.13	<=30	Pass
			6	21.12	-0.10	21.02	<=30	Pass
			13	20.86	-0.10	20.76	<=30	Pass
		25	0	21.00	-0.10	20.90	<=30	Pass
	1732.5	1	0	20.83	-0.10	20.73	<=30	Pass
			13	21.24	-0.10	21.14	<=30	Pass
			24	21.12	-0.10	21.02	<=30	Pass
		12	0	20.66	-0.10	20.56	<=30	Pass
			6	20.71	-0.10	20.61	<=30	Pass
			13	20.87	-0.10	20.77	<=30	Pass
		25	0	20.65	-0.10	20.55	<=30	Pass
	1752.5	1	0	21.48	-0.10	21.38	<=30	Pass
			13	21.72	-0.10	21.62	<=30	Pass
			24	21.94	-0.10	21.84	<=30	Pass
		12	0	20.66	-0.10	20.56	<=30	Pass
			6	20.81	-0.10	20.71	<=30	Pass
			13	20.77	-0.10	20.67	<=30	Pass
		25	0	20.81	-0.10	20.71	<=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	23.10	-0.10	23.00	<=30	Pass
			25	23.22	-0.10	23.12	<=30	Pass
			49	22.93	-0.10	22.83	<=30	Pass
		25	0	22.12	-0.10	22.02	<=30	Pass
			13	22.08	-0.10	21.98	<=30	Pass
			25	21.89	-0.10	21.79	<=30	Pass
		50	0	21.98	-0.10	21.88	<=30	Pass
	1732.5	1	0	22.63	-0.10	22.53	<=30	Pass
			25	23.20	-0.10	23.10	<=30	Pass
			49	22.34	-0.10	22.24	<=30	Pass
		25	0	21.52	-0.10	21.42	<=30	Pass
			13	21.58	-0.10	21.48	<=30	Pass
			25	21.51	-0.10	21.41	<=30	Pass
		50	0	21.59	-0.10	21.49	<=30	Pass
	1750	1	0	22.52	-0.10	22.42	<=30	Pass
			25	22.58	-0.10	22.48	<=30	Pass

16QAM	1715	25	49	22.77	-0.10	22.67	<=30	Pass
			0	21.68	-0.10	21.58	<=30	Pass
			13	21.51	-0.10	21.41	<=30	Pass
			25	21.63	-0.10	21.53	<=30	Pass
		50	0	21.70	-0.10	21.60	<=30	Pass
	1732.5	1	0	21.63	-0.10	21.53	<=30	Pass
			25	22.44	-0.10	22.34	<=30	Pass
			49	21.30	-0.10	21.20	<=30	Pass
		12	0	21.84	-0.10	21.74	<=30	Pass
			19	22.05	-0.10	21.95	<=30	Pass
			38	21.69	-0.10	21.59	<=30	Pass
		27	0	20.99	-0.10	20.89	<=30	Pass
	1750	1	0	21.26	-0.10	21.16	<=30	Pass
			25	22.11	-0.10	22.01	<=30	Pass
			49	22.08	-0.10	21.98	<=30	Pass
		12	0	21.56	-0.10	21.46	<=30	Pass
			19	21.69	-0.10	21.59	<=30	Pass
			38	21.62	-0.10	21.52	<=30	Pass
		27	0	20.54	-0.10	20.44	<=30	Pass
	1750	1	0	21.93	-0.10	21.83	<=30	Pass
			25	22.13	-0.10	22.03	<=30	Pass
			49	21.86	-0.10	21.76	<=30	Pass
		12	0	21.65	-0.10	21.55	<=30	Pass
			19	21.57	-0.10	21.47	<=30	Pass
			38	21.53	-0.10	21.43	<=30	Pass
		27	23	20.51	-0.10	20.41	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.77	-0.10	22.67	<=30	Pass
			38	22.83	-0.10	22.73	<=30	Pass
			74	22.74	-0.10	22.64	<=30	Pass
		36	0	22.01	-0.10	21.91	<=30	Pass
			18	22.08	-0.10	21.98	<=30	Pass
			39	21.89	-0.10	21.79	<=30	Pass
		75	0	21.93	-0.10	21.83	<=30	Pass
	1732.5	1	0	22.82	-0.10	22.72	<=30	Pass
			38	22.82	-0.10	22.72	<=30	Pass
			74	22.74	-0.10	22.64	<=30	Pass
		36	0	21.58	-0.10	21.48	<=30	Pass
			18	21.60	-0.10	21.50	<=30	Pass
			39	21.73	-0.10	21.63	<=30	Pass
		75	0	21.58	-0.10	21.48	<=30	Pass
	1747.5	1	0	22.89	-0.10	22.79	<=30	Pass
			38	22.92	-0.10	22.82	<=30	Pass
			74	22.68	-0.10	22.58	<=30	Pass
		36	0	21.92	-0.10	21.82	<=30	Pass
			18	21.90	-0.10	21.80	<=30	Pass
			39	21.60	-0.10	21.50	<=30	Pass
		75	0	21.85	-0.10	21.75	<=30	Pass
16QAM	1717.5	1	0	22.49	-0.10	22.39	<=30	Pass
			38	22.04	-0.10	21.94	<=30	Pass
			74	21.36	-0.10	21.26	<=30	Pass
		12	0	22.18	-0.10	22.08	<=30	Pass
			31	22.17	-0.10	22.07	<=30	Pass
			63	21.81	-0.10	21.71	<=30	Pass

	1732.5	27	0	21.05	-0.10	20.95	<=30	Pass
		1	0	22.10	-0.10	22.00	<=30	Pass
			38	22.10	-0.10	22.00	<=30	Pass
			74	22.64	-0.10	22.54	<=30	Pass
		12	0	21.41	-0.10	21.31	<=30	Pass
			31	21.66	-0.10	21.56	<=30	Pass
			63	21.70	-0.10	21.60	<=30	Pass
	1747.5	27	0	20.61	-0.10	20.51	<=30	Pass
		1	0	22.32	-0.10	22.22	<=30	Pass
			38	22.00	-0.10	21.90	<=30	Pass
			74	22.18	-0.10	22.08	<=30	Pass
		12	0	22.07	-0.10	21.97	<=30	Pass
			31	21.93	-0.10	21.83	<=30	Pass
			63	21.99	-0.10	21.89	<=30	Pass
		27	48	20.89	-0.10	20.79	<=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	23.06	-0.10	22.96	<=30	Pass
			50	23.19	-0.10	23.09	<=30	Pass
			99	22.86	-0.10	22.76	<=30	Pass
		50	0	22.45	-0.10	22.35	<=30	Pass
			25	22.22	-0.10	22.12	<=30	Pass
			50	21.96	-0.10	21.86	<=30	Pass
		100	0	22.00	-0.10	21.90	<=30	Pass
	1732.5	1	0	22.73	-0.10	22.63	<=30	Pass
			50	23.02	-0.10	22.92	<=30	Pass
			99	22.91	-0.10	22.81	<=30	Pass
		50	0	21.65	-0.10	21.55	<=30	Pass
			25	21.80	-0.10	21.70	<=30	Pass
			50	21.66	-0.10	21.56	<=30	Pass
		100	0	21.56	-0.10	21.46	<=30	Pass
	1745	1	0	22.86	-0.10	22.76	<=30	Pass
			50	23.08	-0.10	22.98	<=30	Pass
			99	22.88	-0.10	22.78	<=30	Pass
		50	0	22.04	-0.10	21.94	<=30	Pass
			25	22.07	-0.10	21.97	<=30	Pass
			50	22.12	-0.10	22.02	<=30	Pass
		100	0	22.01	-0.10	21.91	<=30	Pass
16QAM	1720	1	0	22.74	-0.10	22.64	<=30	Pass
			50	22.25	-0.10	22.15	<=30	Pass
			99	22.55	-0.10	22.45	<=30	Pass
		12	0	22.04	-0.10	21.94	<=30	Pass
			44	21.88	-0.10	21.78	<=30	Pass
			88	21.87	-0.10	21.77	<=30	Pass
		27	0	21.29	-0.10	21.19	<=30	Pass
	1732.5	1	0	21.71	-0.10	21.61	<=30	Pass
			50	21.62	-0.10	21.52	<=30	Pass
			99	21.62	-0.10	21.52	<=30	Pass
		12	0	21.49	-0.10	21.39	<=30	Pass
			44	21.58	-0.10	21.48	<=30	Pass
			88	21.60	-0.10	21.50	<=30	Pass
		27	0	20.29	-0.10	20.19	<=30	Pass
	1745	1	0	22.19	-0.10	22.09	<=30	Pass
			50	22.85	-0.10	22.75	<=30	Pass
			99	22.58	-0.10	22.48	<=30	Pass

		12	0	22.00	-0.10	21.90	<=30	Pass
			44	22.09	-0.10	21.99	<=30	Pass
			88	22.03	-0.10	21.93	<=30	Pass
		27	73	21.34	-0.10	21.24	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	1.216	0.0007	-2.5 to 2.5	Pass
					3.85	1.459	0.0009	-2.5 to 2.5	Pass
					4.43	1.187	0.0007	-2.5 to 2.5	Pass
				-30	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				-20	3.85	2.260	0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				0	3.85	2.303	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.260	0.0013	-2.5 to 2.5	Pass
				30	3.85	1.831	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.574	0.0009	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	0.658	0.0004	-2.5 to 2.5	Pass
					3.85	0.429	0.0002	-2.5 to 2.5	Pass
					4.43	0.157	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.129	0.0001	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-1.488	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.659	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-5.322	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	3.662	0.0021	-2.5 to 2.5	Pass
					3.85	1.445	0.0008	-2.5 to 2.5	Pass
					4.43	1.073	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				10	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				30	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.559	0.0009	-2.5 to 2.5	Pass

	1732.5	6	0	50	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				20	3.27	1.144	0.0007	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
					4.43	-0.587	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
	1754.3	6	0	40	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				50	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				20	3.27	-4.020	-0.0023	-2.5 to 2.5	Pass
					3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.934	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.891	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	0.958	0.0006	-2.5 to 2.5	Pass
					3.85	0.415	0.0002	-2.5 to 2.5	Pass
					4.43	0.086	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.014	0.0000	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	1.173	0.0007	-2.5 to 2.5	Pass
					3.85	0.873	0.0005	-2.5 to 2.5	Pass
					4.43	0.644	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-0.372	-0.0002	-2.5 to 2.5	Pass
					3.85	0.787	0.0004	-2.5 to 2.5	Pass
					4.43	0.286	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass

16QAM	1711.5	15	0	40	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				20	3.27	-0.644	-0.0004	-2.5 to 2.5	Pass
					3.85	0.515	0.0003	-2.5 to 2.5	Pass
					4.43	0.644	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
	1732.5	15	0	30	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				20	3.27	-0.415	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
	1753.5	15	0	10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				50	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				20	3.27	0.715	0.0004	-2.5 to 2.5	Pass
					3.85	1.516	0.0009	-2.5 to 2.5	Pass
					4.43	1.159	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.215	0.0001	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	3.390	0.0020	-2.5 to 2.5	Pass
					3.85	1.273	0.0007	-2.5 to 2.5	Pass
					4.43	0.658	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				0	3.85	2.561	0.0015	-2.5 to 2.5	Pass
				10	3.85	3.247	0.0019	-2.5 to 2.5	Pass
				30	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				40	3.85	1.101	0.0006	-2.5 to 2.5	Pass
	1732.5	25	0	50	3.85	2.003	0.0012	-2.5 to 2.5	Pass
				20	3.27	-0.758	-0.0004	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	0.343	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.375	0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.358	0.0002	-2.5 to 2.5	Pass

	1752.5	25	0	30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				20	3.27	-3.076	-0.0018	-2.5 to 2.5	Pass
					3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.202	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	1.030	0.0006	-2.5 to 2.5	Pass
					3.85	2.789	0.0016	-2.5 to 2.5	Pass
					4.43	1.831	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.572	0.0003	-2.5 to 2.5	Pass
				-20	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				0	3.85	3.262	0.0019	-2.5 to 2.5	Pass
				10	3.85	2.518	0.0015	-2.5 to 2.5	Pass
				30	3.85	2.975	0.0017	-2.5 to 2.5	Pass
				40	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.944	0.0006	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	1.287	0.0007	-2.5 to 2.5	Pass
					3.85	0.644	0.0004	-2.5 to 2.5	Pass
					4.43	0.143	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				0	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	1.016	0.0006	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-2.990	-0.0017	-2.5 to 2.5	Pass
					3.85	-3.576	-0.0020	-2.5 to 2.5	Pass
					4.43	-1.945	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-2.618	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.847	-0.0017	-2.5 to 2.5	Pass
					4.43	-2.704	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.675	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass

16QAM				10	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.544	-0.0003	-2.5 to 2.5	Pass
					3.85	0.944	0.0005	-2.5 to 2.5	Pass
					4.43	0.858	0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.887	0.0005	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	0.443	0.0003	-2.5 to 2.5	Pass
					3.85	1.402	0.0008	-2.5 to 2.5	Pass
					4.43	1.659	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.945	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				50	3.85	2.875	0.0016	-2.5 to 2.5	Pass
	1715	27	0	20	3.27	-4.692	-0.0027	-2.5 to 2.5	Pass
					3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.576	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-3.362	-0.0020	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	1.316	0.0008	-2.5 to 2.5	Pass
					3.85	0.443	0.0003	-2.5 to 2.5	Pass
					4.43	-0.472	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	1.945	0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.730	0.0004	-2.5 to 2.5	Pass
	1750	27	23	20	3.27	4.206	0.0024	-2.5 to 2.5	Pass
					3.85	3.376	0.0019	-2.5 to 2.5	Pass
					4.43	4.320	0.0025	-2.5 to 2.5	Pass
				-30	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				-20	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				-10	3.85	3.104	0.0018	-2.5 to 2.5	Pass
				0	3.85	3.805	0.0022	-2.5 to 2.5	Pass
				10	3.85	2.861	0.0016	-2.5 to 2.5	Pass
				30	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				40	3.85	4.134	0.0024	-2.5 to 2.5	Pass
				50	3.85	2.518	0.0014	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	0.443	0.0003	-2.5 to 2.5	Pass
					3.85	0.958	0.0006	-2.5 to 2.5	Pass
					4.43	1.044	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.172	0.0001	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-0.458	-0.0003	-2.5 to 2.5	Pass
					3.85	0.329	0.0002	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.644	0.0004	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	0.043	0.0000	-2.5 to 2.5	Pass
					3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
					4.43	0.443	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.730	0.0004	-2.5 to 2.5	Pass
16QAM	1717.5	27	0	20	3.27	-0.286	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.072	0.0000	-2.5 to 2.5	Pass
					4.43	-0.300	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	-0.401	-0.0002	-2.5 to 2.5	Pass
					3.85	0.458	0.0003	-2.5 to 2.5	Pass
					4.43	0.901	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.272	0.0002	-2.5 to 2.5	Pass

	1747.5	27	48	20	3.27	-0.458	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
					4.43	0.129	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.014	0.0000	-2.5 to 2.5	Pass

2.1.6 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	3.27	1.702	0.0010	-2.5 to 2.5	Pass
					3.85	1.259	0.0007	-2.5 to 2.5	Pass
					4.43	1.230	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-20	3.85	2.346	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				30	3.85	-10.285	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-4.978	-0.0029	-2.5 to 2.5	Pass
					3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
					4.43	-2.689	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	6.166	0.0036	-2.5 to 2.5	Pass
				-20	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				0	3.85	6.094	0.0035	-2.5 to 2.5	Pass
				10	3.85	4.449	0.0026	-2.5 to 2.5	Pass
				30	3.85	3.591	0.0021	-2.5 to 2.5	Pass
				40	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.043	0.0000	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-5.965	-0.0034	-2.5 to 2.5	Pass
					3.85	6.180	0.0035	-2.5 to 2.5	Pass
					4.43	-4.506	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	2.375	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				10	3.85	1.302	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				50	3.85	3.033	0.0017	-2.5 to 2.5	Pass
16QAM	1720	27	0	20	3.27	0.072	0.0000	-2.5 to 2.5	Pass
					3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
					4.43	1.774	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				-10	3.85	3.176	0.0018	-2.5 to 2.5	Pass
				0	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				10	3.85	4.320	0.0025	-2.5 to 2.5	Pass
				30	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				40	3.85	4.334	0.0025	-2.5 to 2.5	Pass

	1732.5	27	0	50	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				20	3.27	2.818	0.0016	-2.5 to 2.5	Pass
					3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.977	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
	1745	27	73	40	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				20	3.27	1.173	0.0007	-2.5 to 2.5	Pass
					3.85	0.815	0.0005	-2.5 to 2.5	Pass
					4.43	2.589	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
				0	3.85	6.108	0.0035	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				30	3.85	3.633	0.0021	-2.5 to 2.5	Pass
				40	3.85	3.991	0.0023	-2.5 to 2.5	Pass
				50	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTN-V						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	

QPSK	1732.5	50	0	Refer To Test Graph	Pass
16QAM	1732.5	27	0	Refer To Test Graph	Pass

3.1.5 B4_15MHz

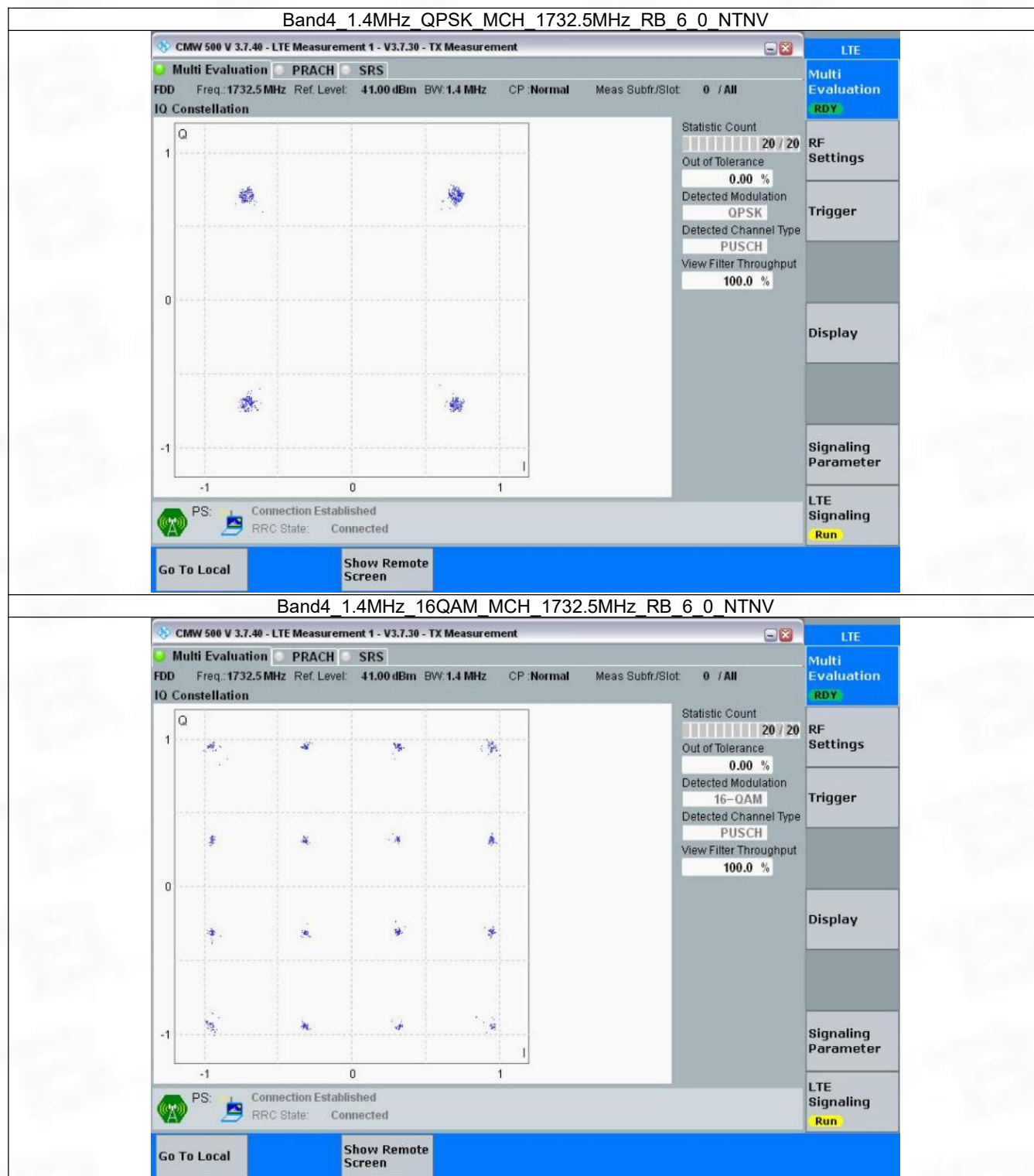
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

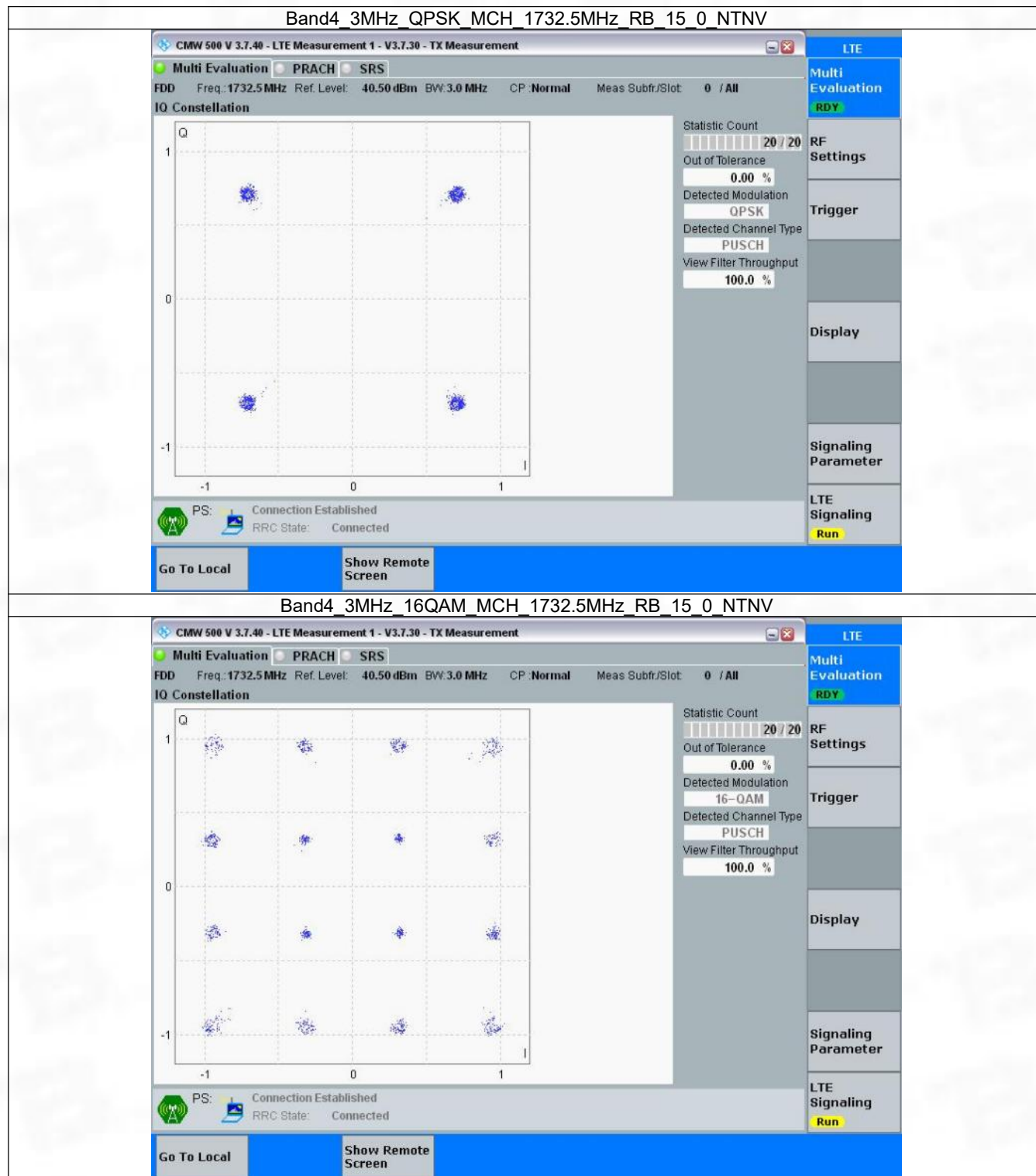
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.2 Test Graph

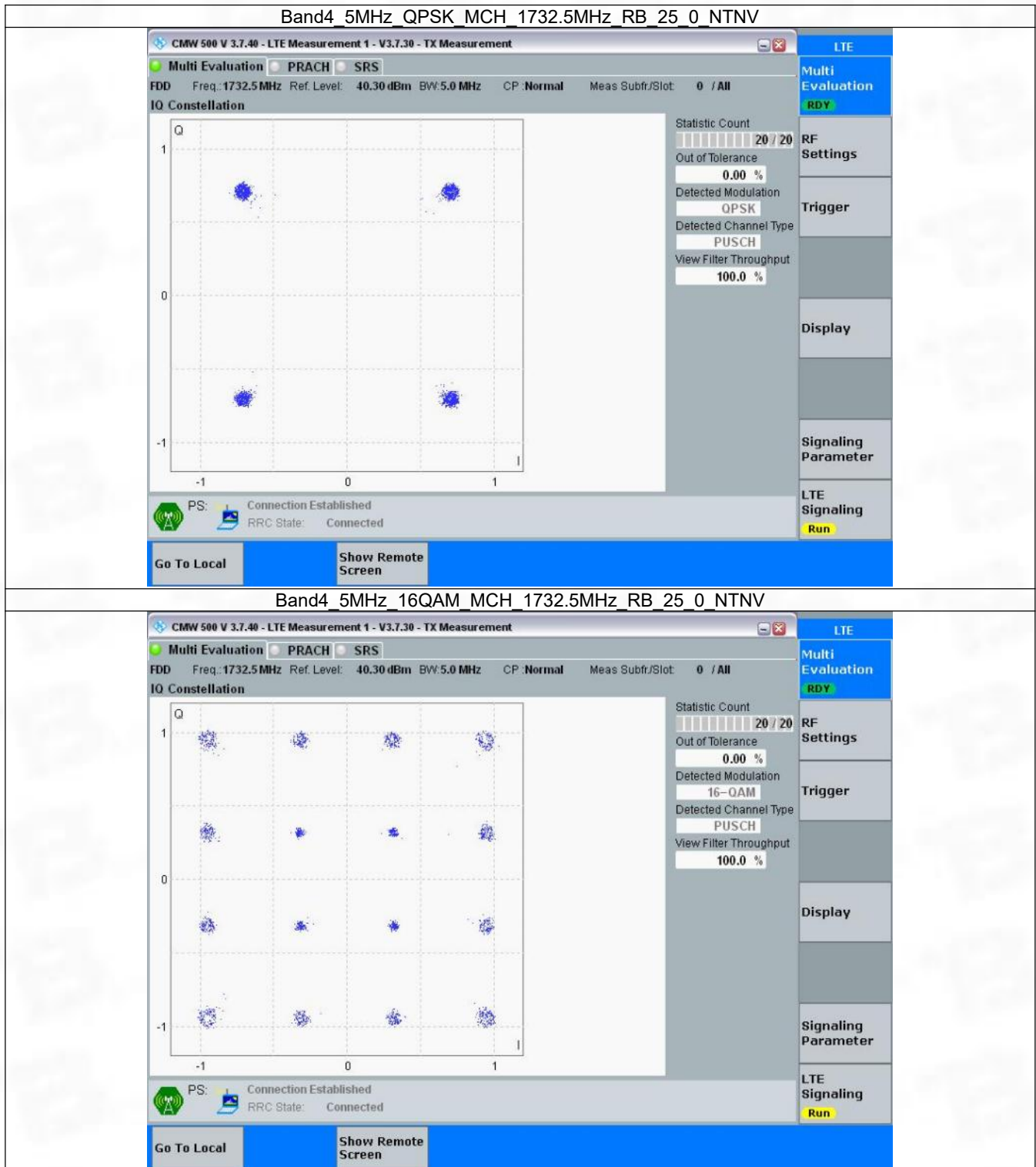
3.2.1 B4_1.4MHz



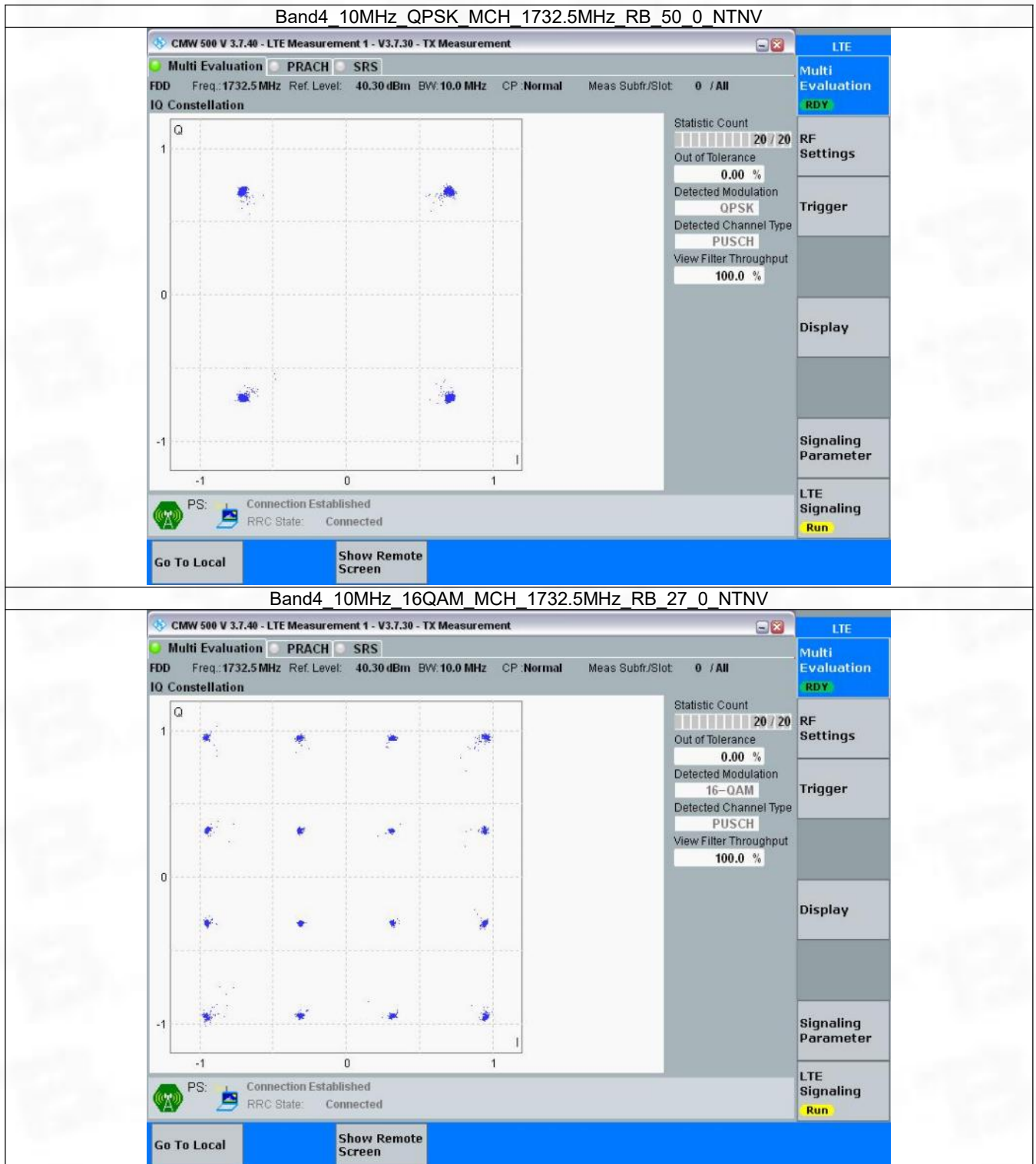
3.2.2 B4_3MHz



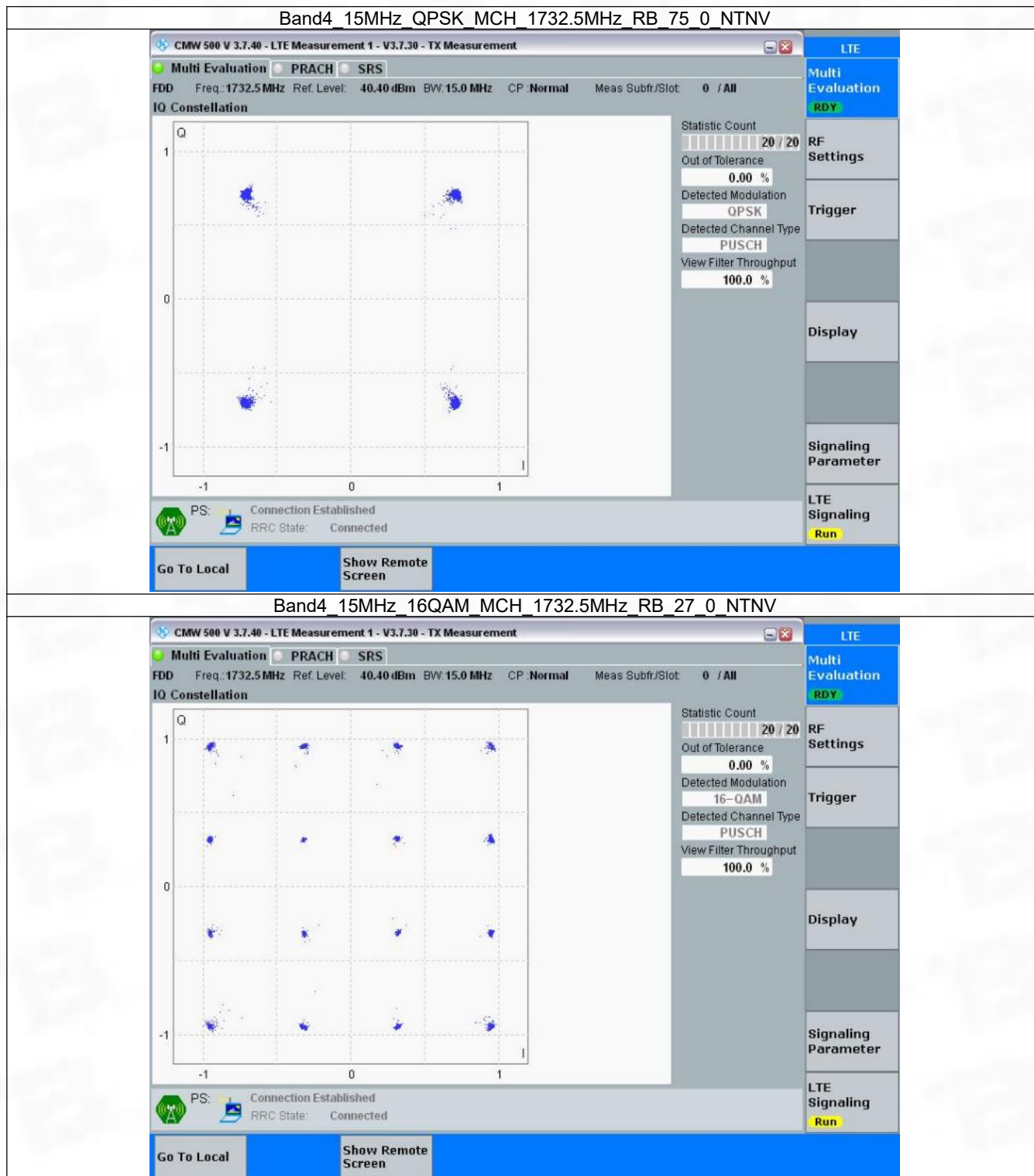
3.2.3 B4_5MHz



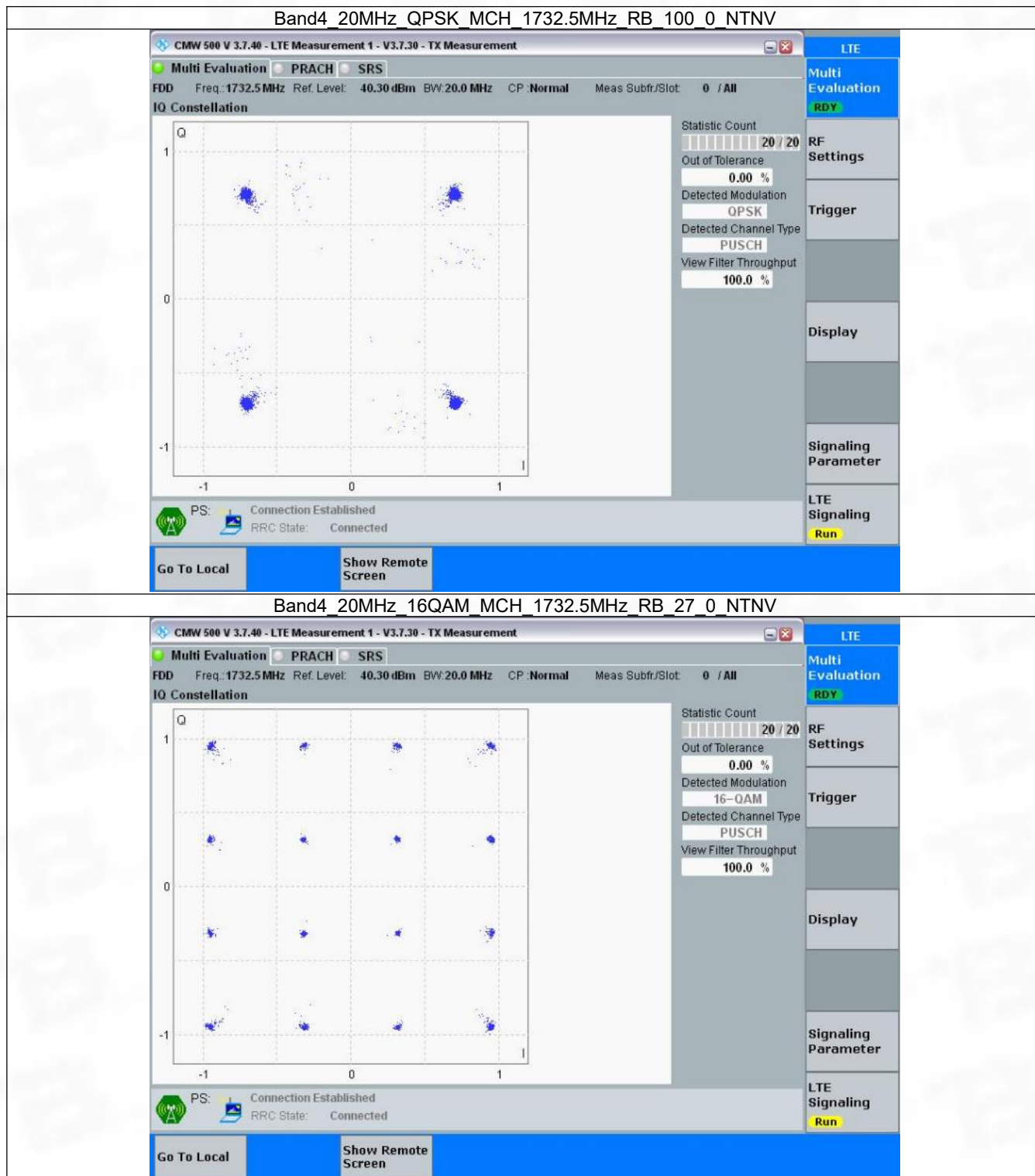
3.2.4 B4_10MHz



3.2.5 B4_15MHz



3.2.6 B4_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.107	/	Pass
		1732.5	6	0	1.130	/	Pass
		1754.3	6	0	1.115	/	Pass
	16QAM	1710.7	6	0	1.117	/	Pass
		1732.5	6	0	1.111	/	Pass
		1754.3	6	0	1.116	/	Pass
3	QPSK	1711.5	15	0	2.742	/	Pass
		1732.5	15	0	2.745	/	Pass
		1753.5	15	0	2.748	/	Pass
	16QAM	1711.5	15	0	2.729	/	Pass
		1732.5	15	0	2.740	/	Pass
		1753.5	15	0	2.756	/	Pass
5	QPSK	1712.5	25	0	4.551	/	Pass
		1732.5	25	0	4.550	/	Pass
		1752.5	25	0	4.552	/	Pass
	16QAM	1712.5	25	0	4.562	/	Pass
		1732.5	25	0	4.555	/	Pass
		1752.5	25	0	4.554	/	Pass
10	QPSK	1715	50	0	9.066	/	Pass
		1732.5	50	0	9.032	/	Pass
		1750	50	0	9.054	/	Pass
	16QAM	1715	27	0	5.134	/	Pass
		1732.5	27	0	5.058	/	Pass
		1750	27	23	5.120	/	Pass
15	QPSK	1717.5	75	0	13.526	/	Pass
		1732.5	75	0	13.549	/	Pass
		1747.5	75	0	13.467	/	Pass
	16QAM	1717.5	27	0	5.329	/	Pass
		1732.5	27	0	5.311	/	Pass
		1747.5	27	48	5.199	/	Pass
20	QPSK	1720	100	0	18.024	/	Pass
		1732.5	100	0	18.069	/	Pass
		1745	100	0	18.043	/	Pass
	16QAM	1720	27	0	5.483	/	Pass
		1732.5	27	0	5.633	/	Pass
		1745	27	73	5.512	/	Pass

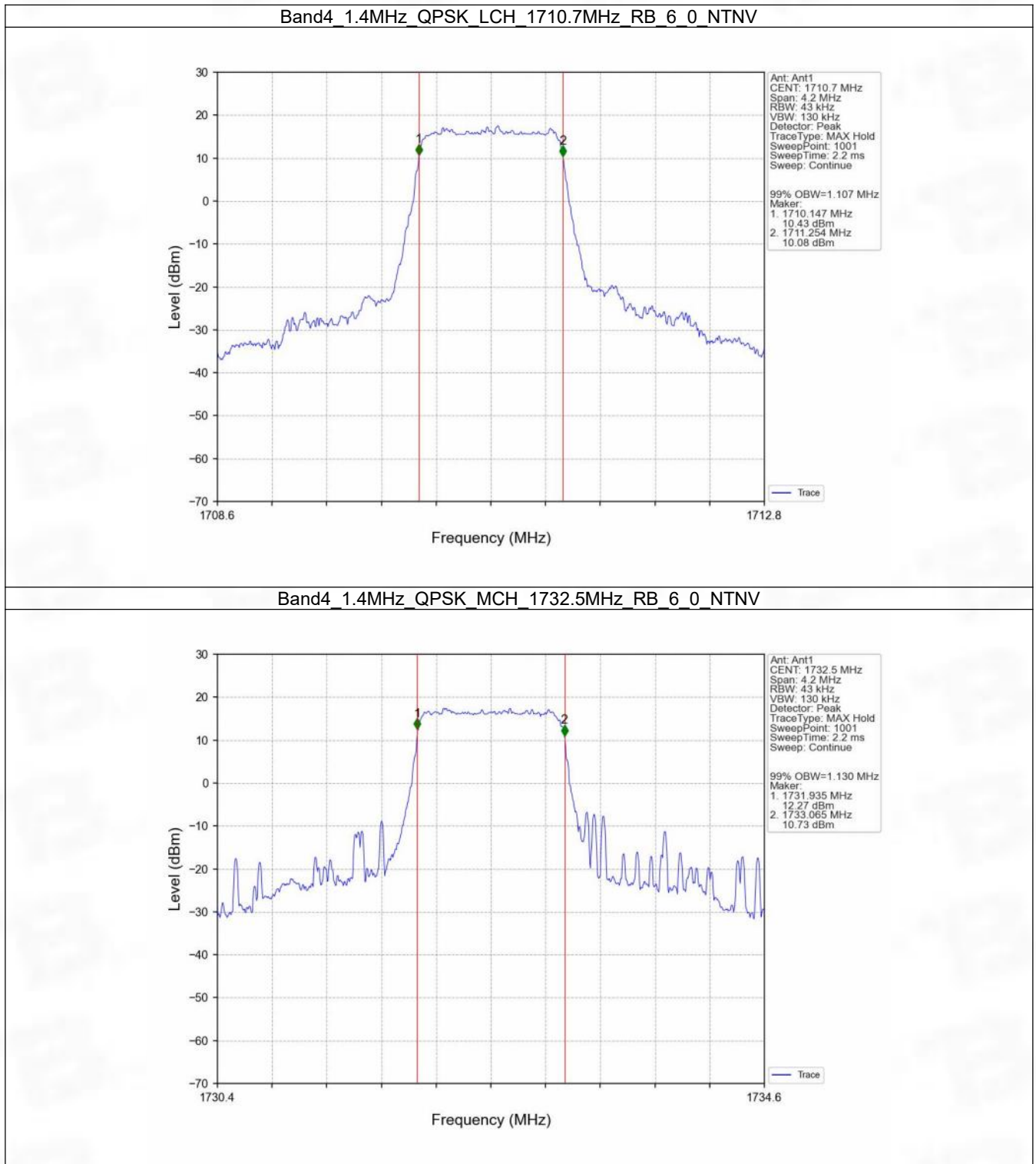
4.1.2 Band4_XDB

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	1.312	/	Pass
		1732.5	6	0	1.538	/	Pass
		1754.3	6	0	1.347	/	Pass
	16QAM	1710.7	6	0	1.339	/	Pass
		1732.5	6	0	1.324	/	Pass
		1754.3	6	0	1.351	/	Pass

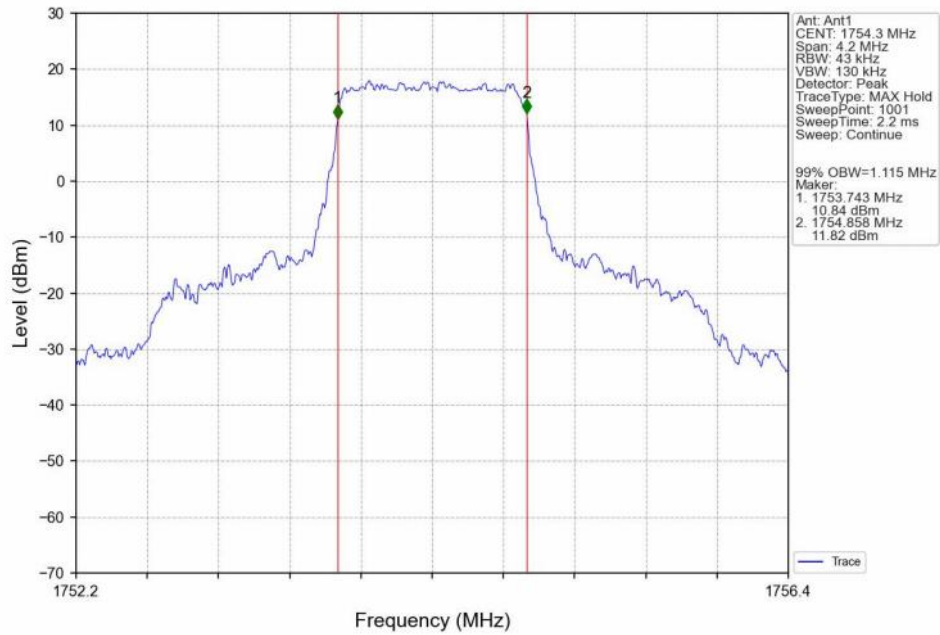
3	QPSK	1711.5	15	0	3.050	/	Pass
		1732.5	15	0	3.071	/	Pass
		1753.5	15	0	3.066	/	Pass
	16QAM	1711.5	15	0	3.036	/	Pass
		1732.5	15	0	3.055	/	Pass
		1753.5	15	0	3.058	/	Pass
5	QPSK	1712.5	25	0	5.117	/	Pass
		1732.5	25	0	5.049	/	Pass
		1752.5	25	0	5.088	/	Pass
	16QAM	1712.5	25	0	5.147	/	Pass
		1732.5	25	0	5.084	/	Pass
		1752.5	25	0	5.100	/	Pass
10	QPSK	1715	50	0	10.095	/	Pass
		1732.5	50	0	10.014	/	Pass
		1750	50	0	10.121	/	Pass
	16QAM	1715	27	0	6.067	/	Pass
		1732.5	27	0	6.025	/	Pass
		1750	27	23	6.157	/	Pass
15	QPSK	1717.5	75	0	15.016	/	Pass
		1732.5	75	0	14.911	/	Pass
		1747.5	75	0	14.915	/	Pass
	16QAM	1717.5	27	0	6.532	/	Pass
		1732.5	27	0	7.734	/	Pass
		1747.5	27	48	7.404	/	Pass
20	QPSK	1720	100	0	19.834	/	Pass
		1732.5	100	0	19.705	/	Pass
		1745	100	0	19.520	/	Pass
	16QAM	1720	27	0	7.034	/	Pass
		1732.5	27	0	7.393	/	Pass
		1745	27	73	7.926	/	Pass

4.2 Test Graph

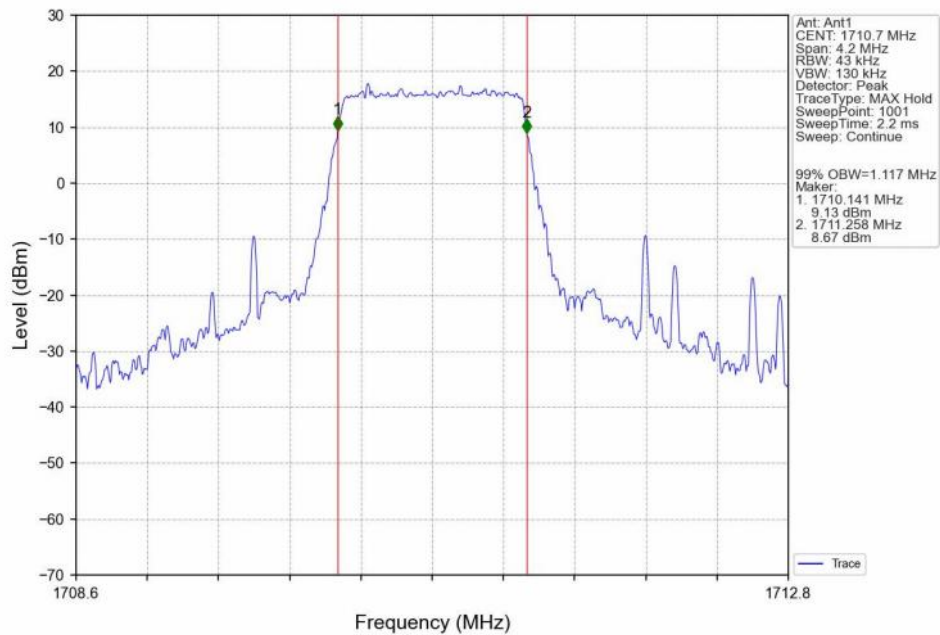
4.2.1 Band4_OBW



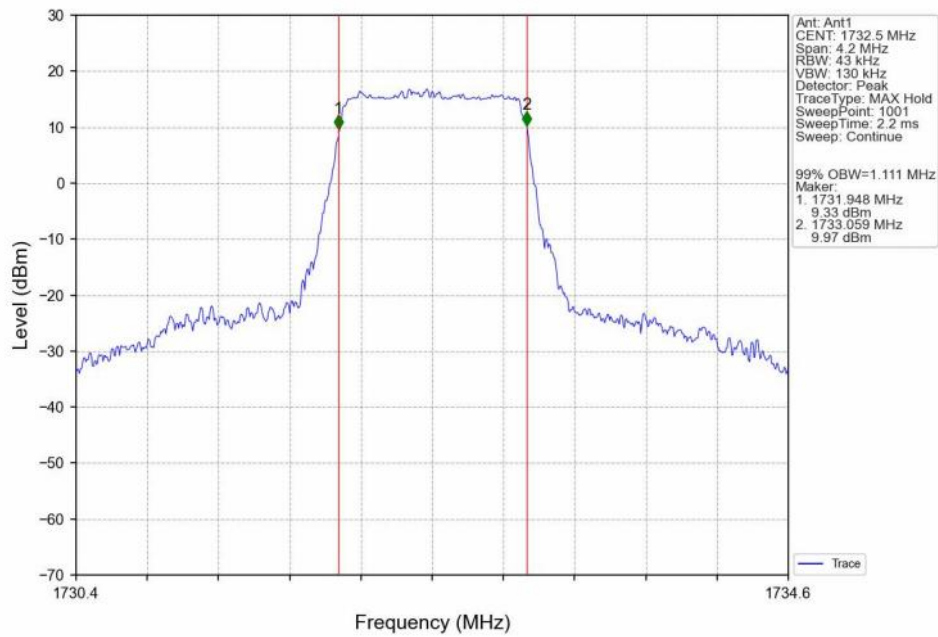
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



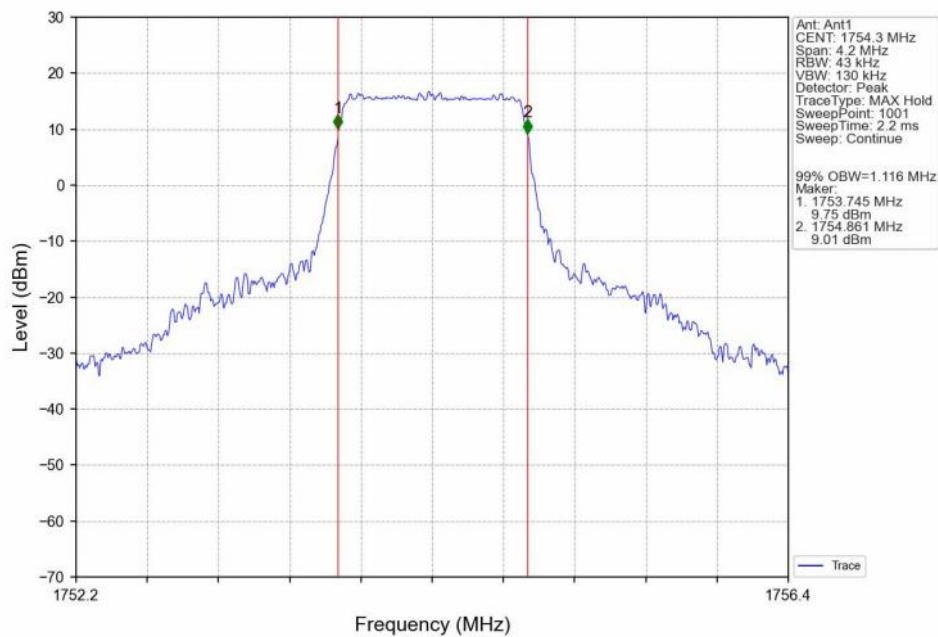
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



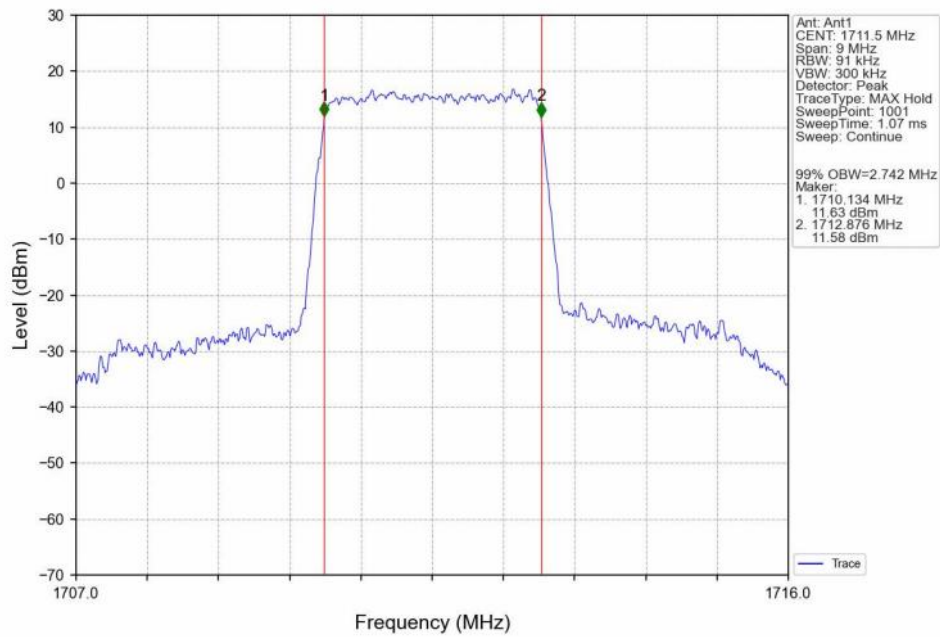
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



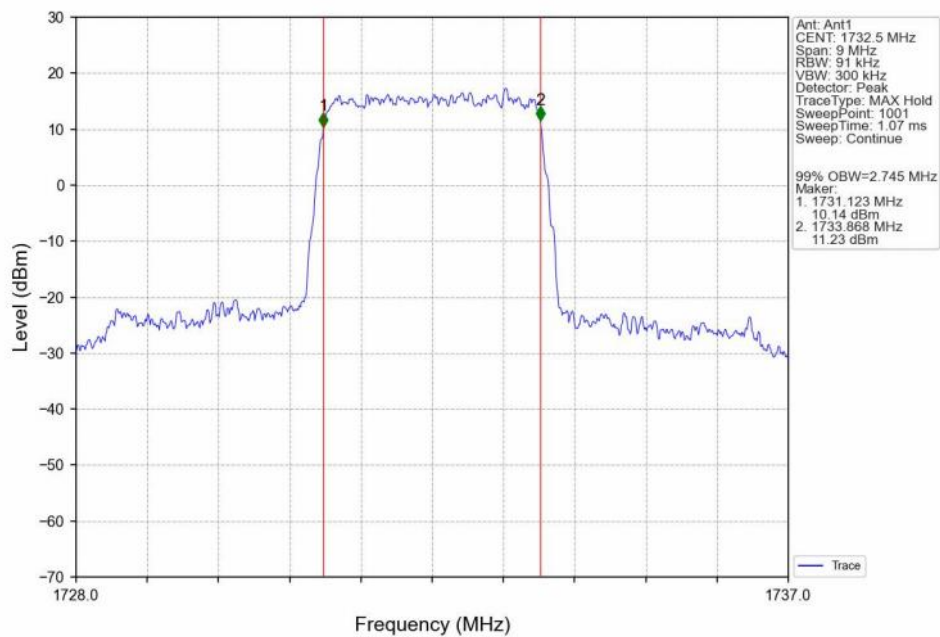
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



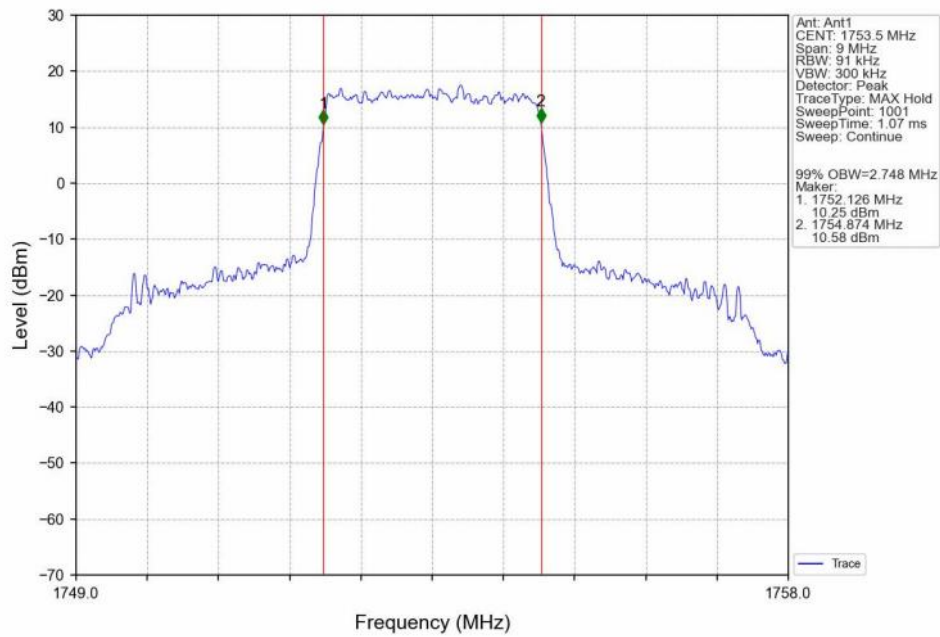
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



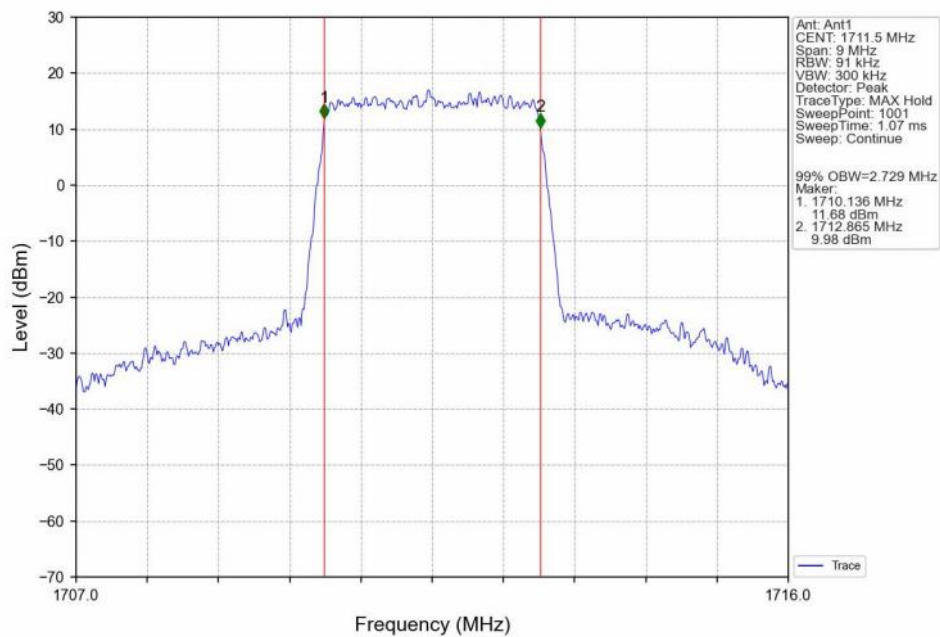
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



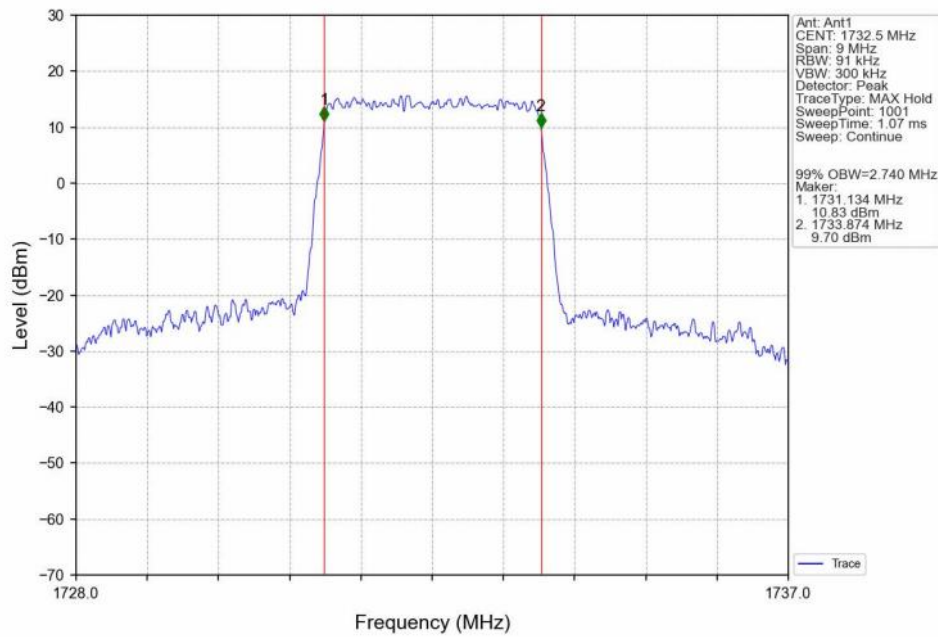
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



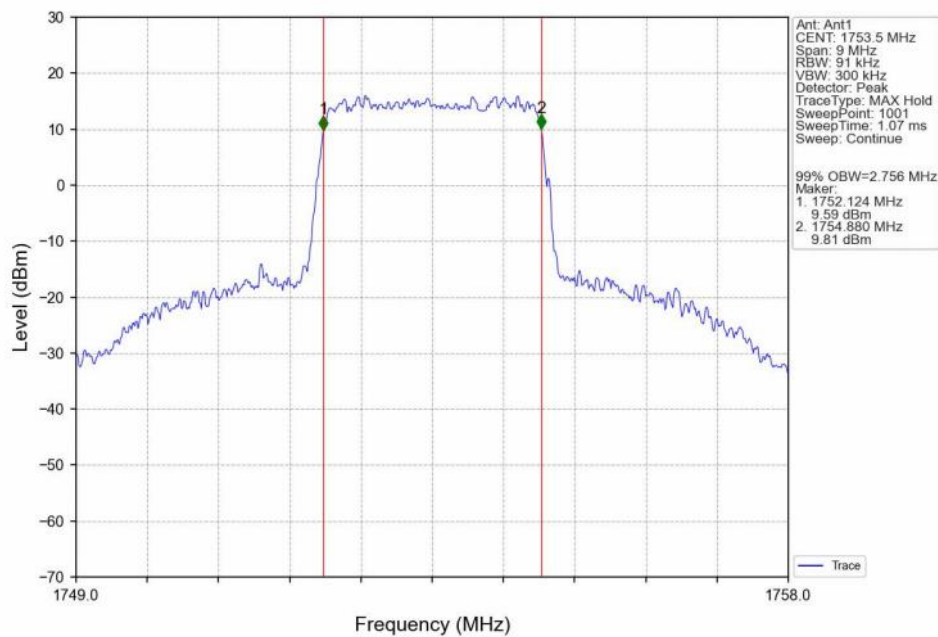
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



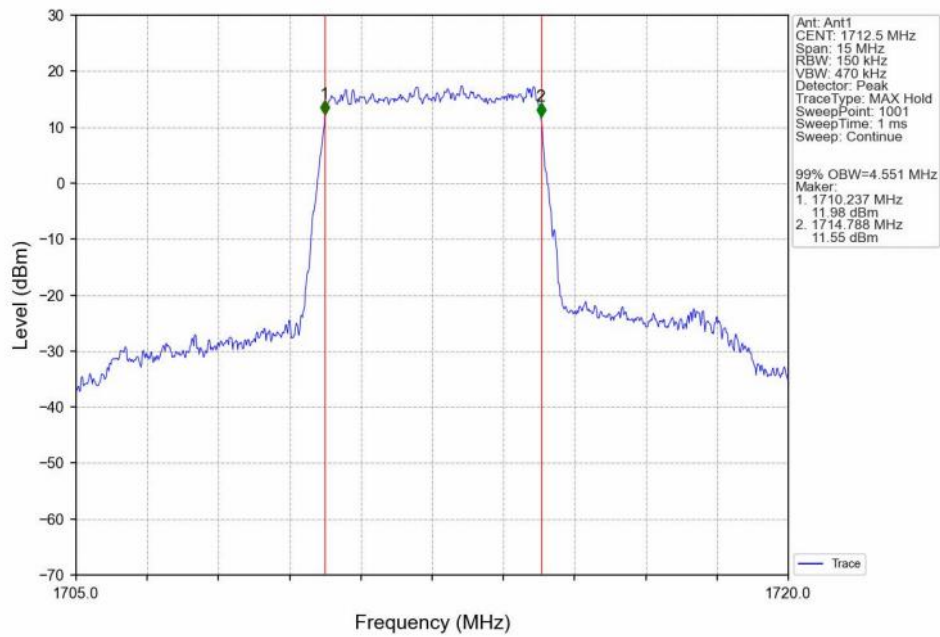
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



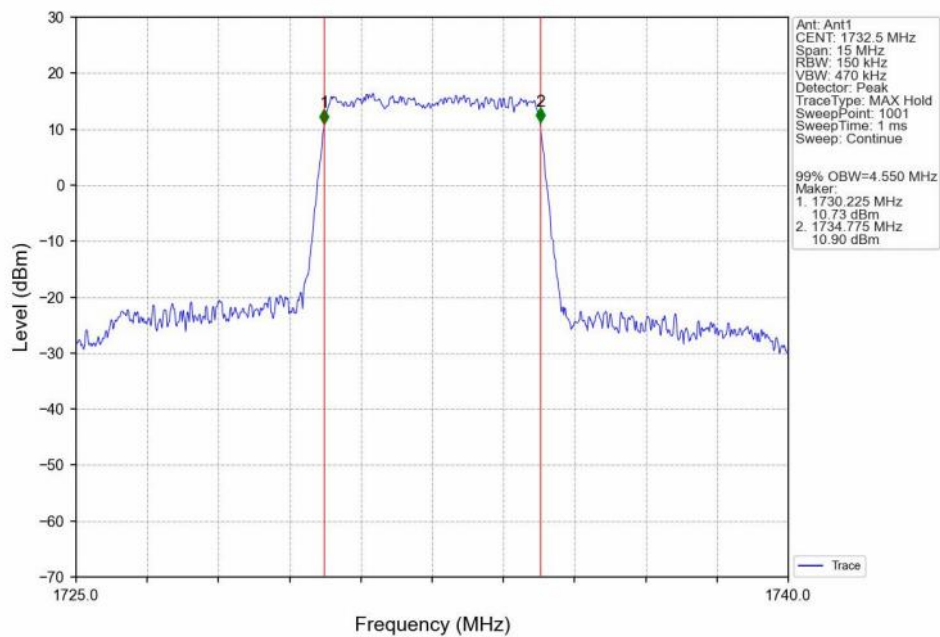
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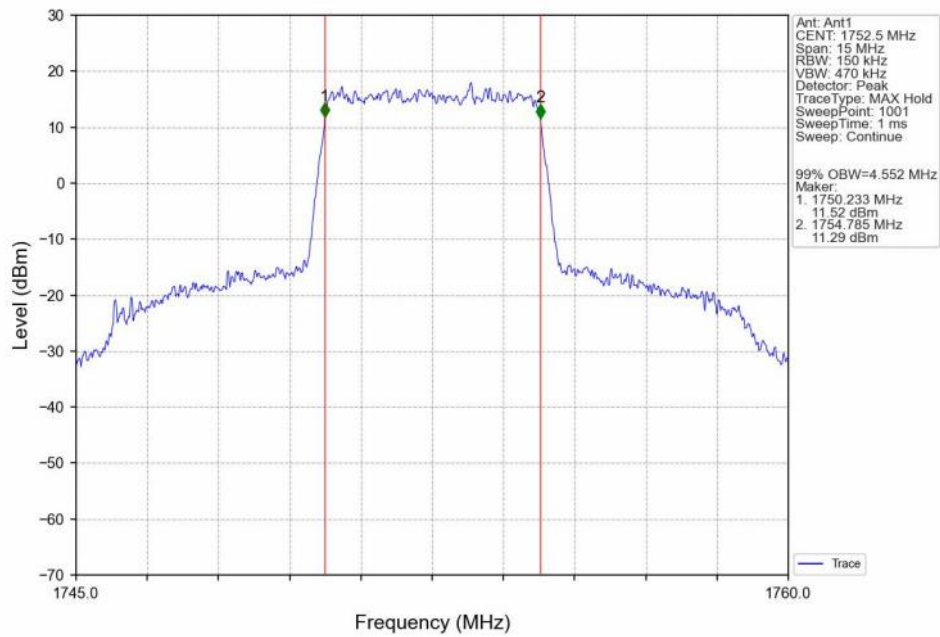
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



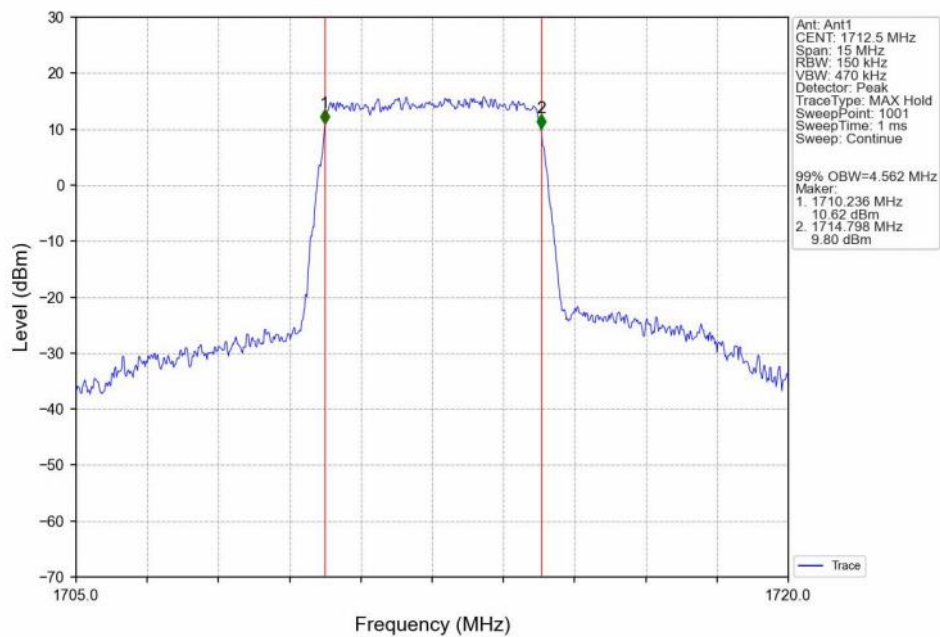
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



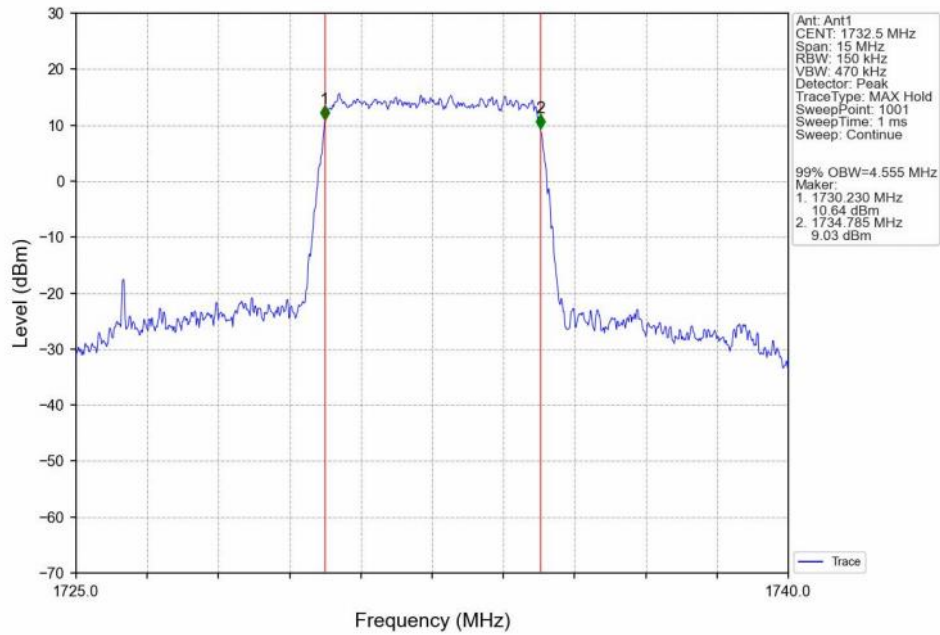
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



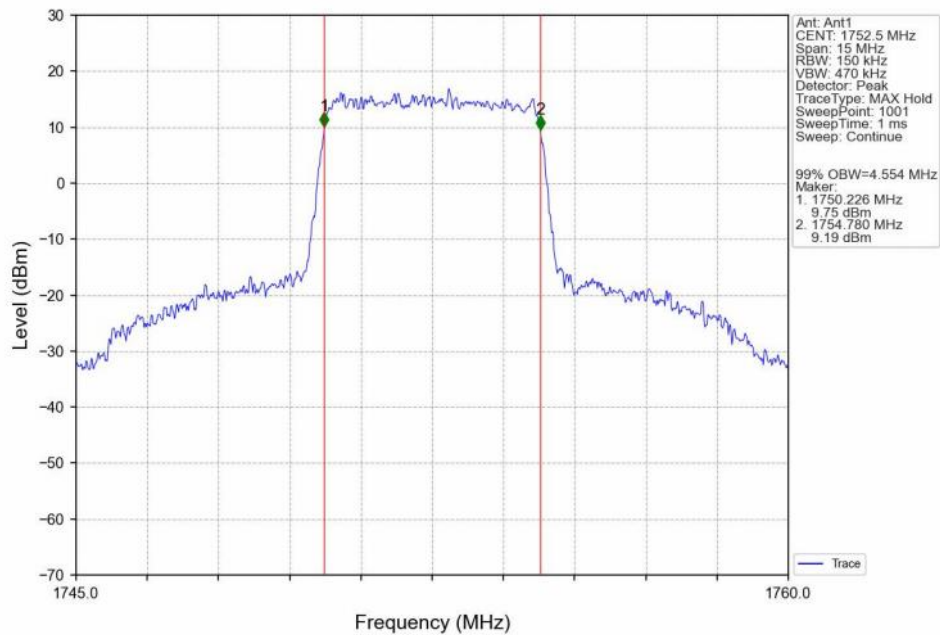
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



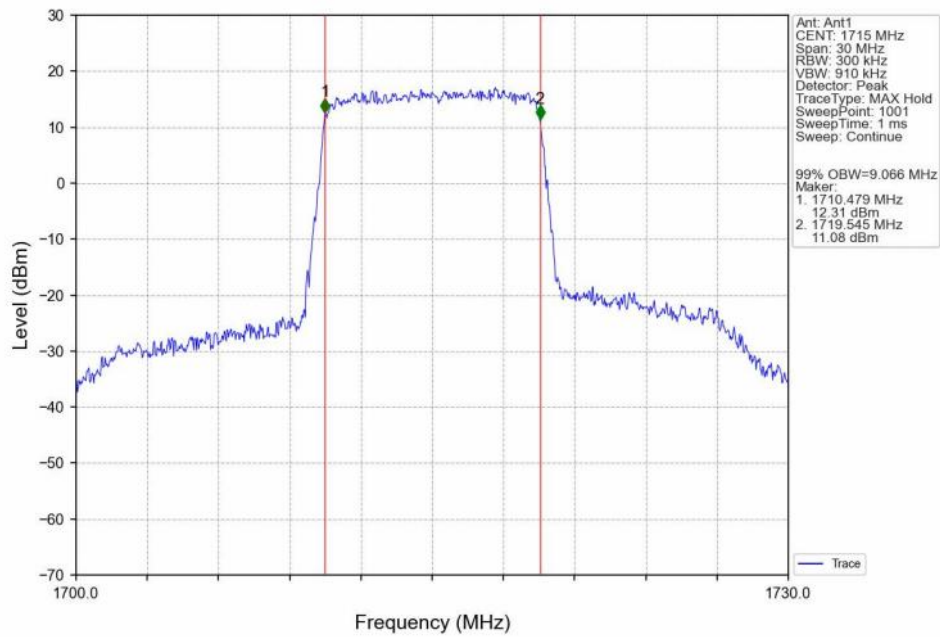
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



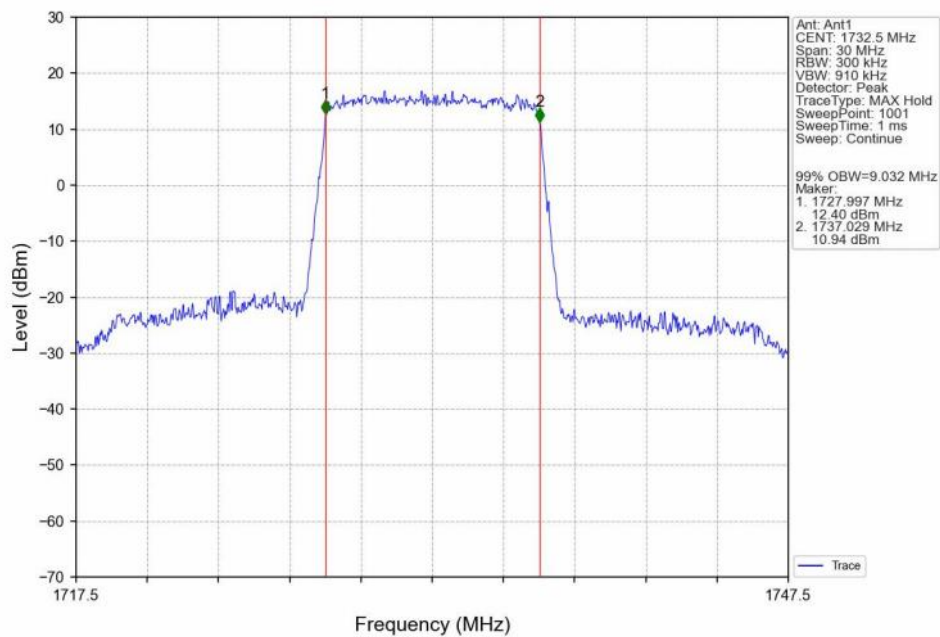
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



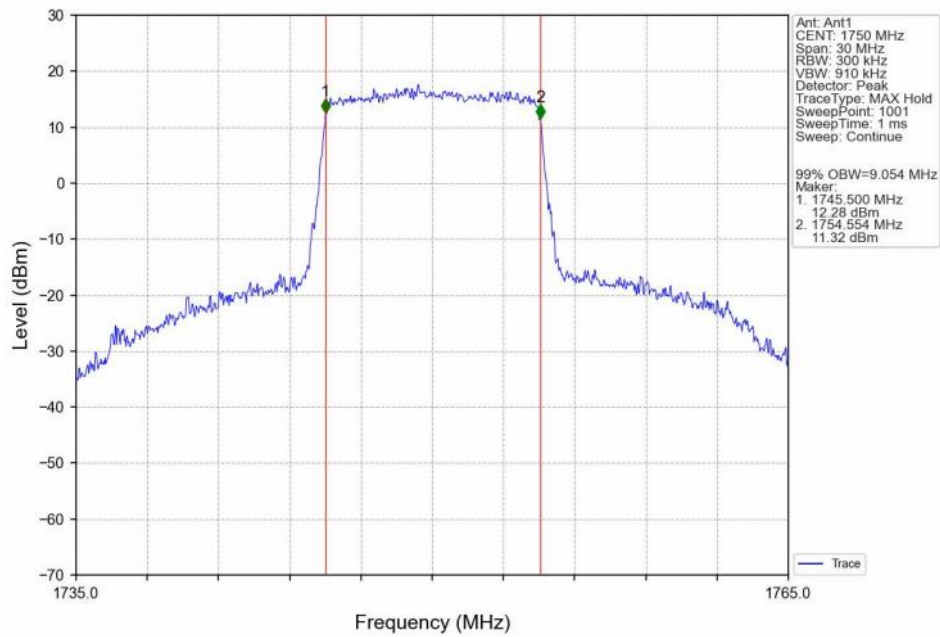
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



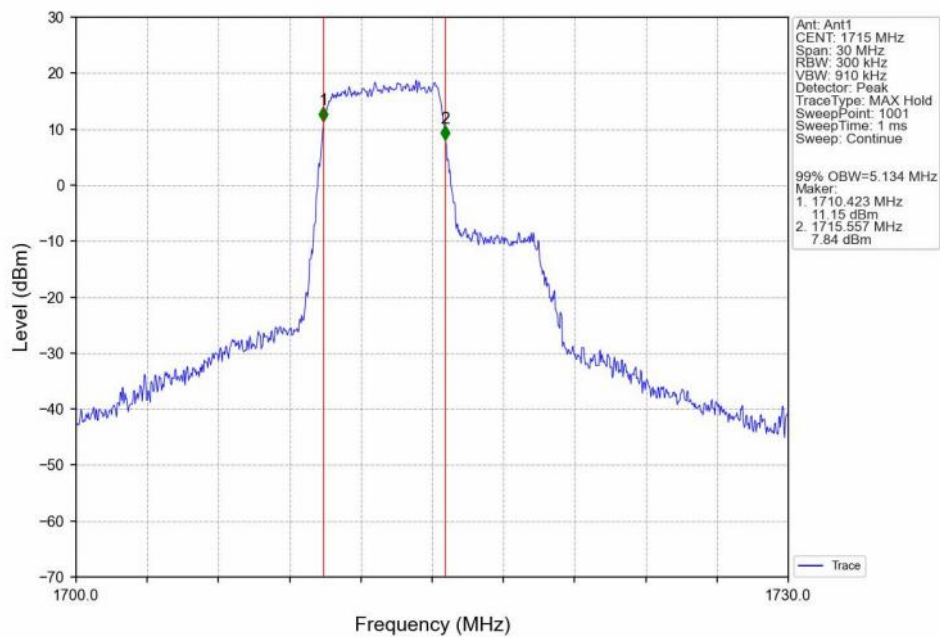
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



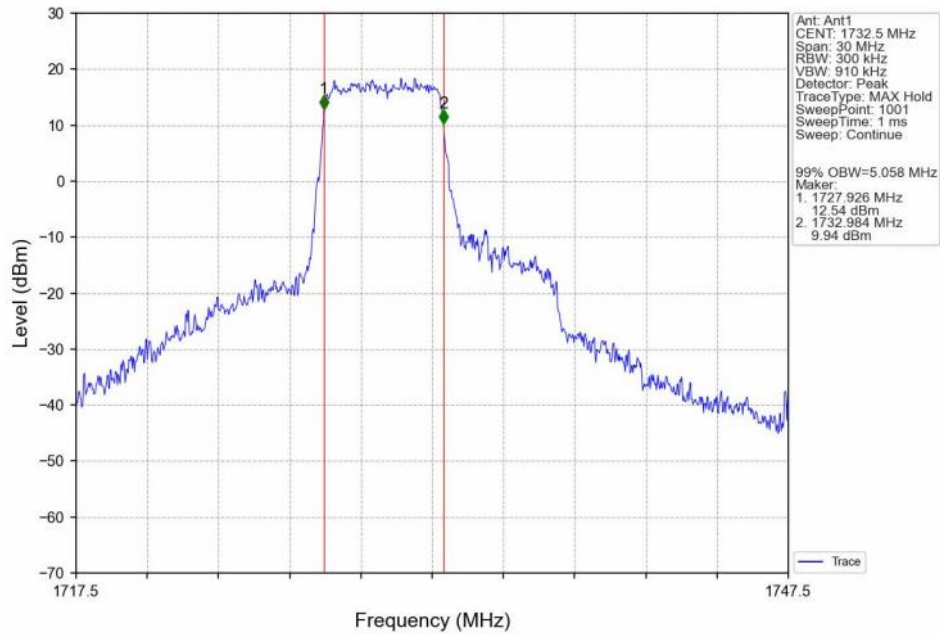
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



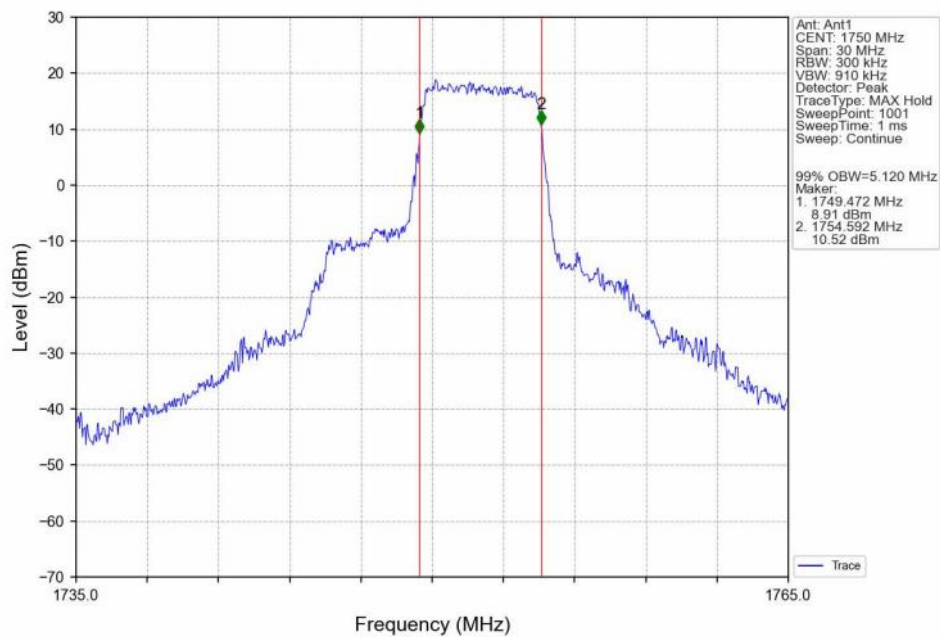
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



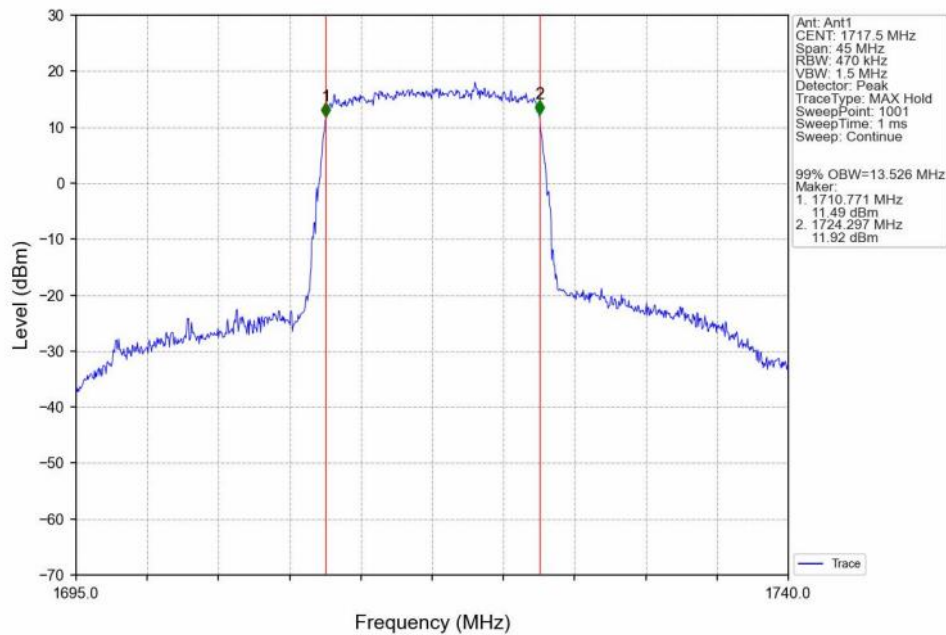
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



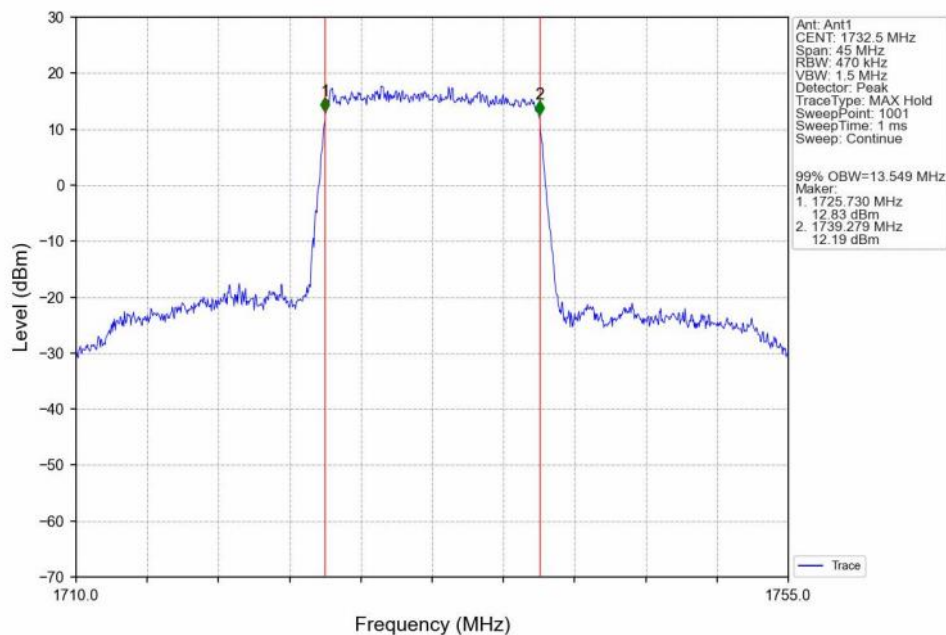
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



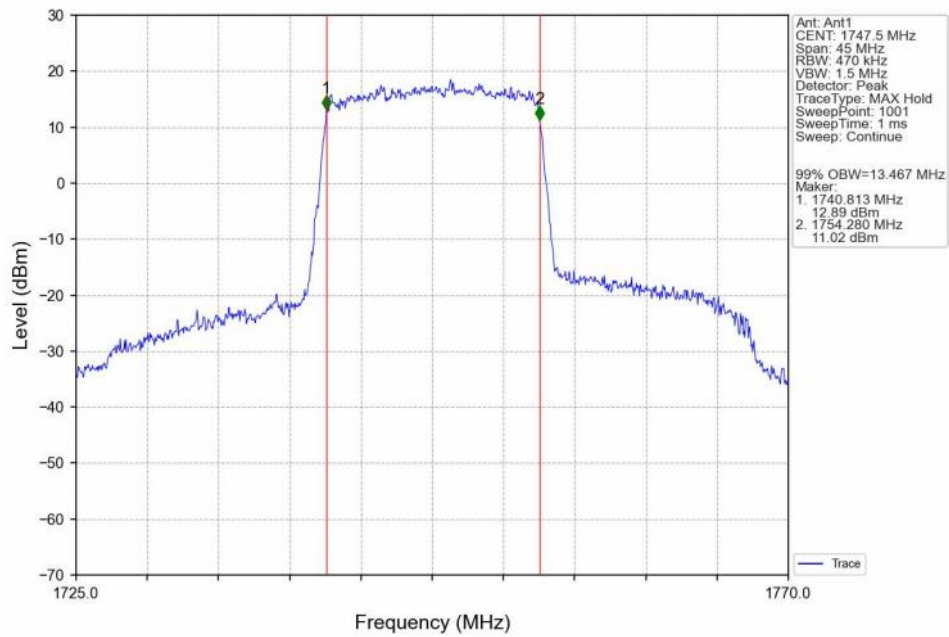
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



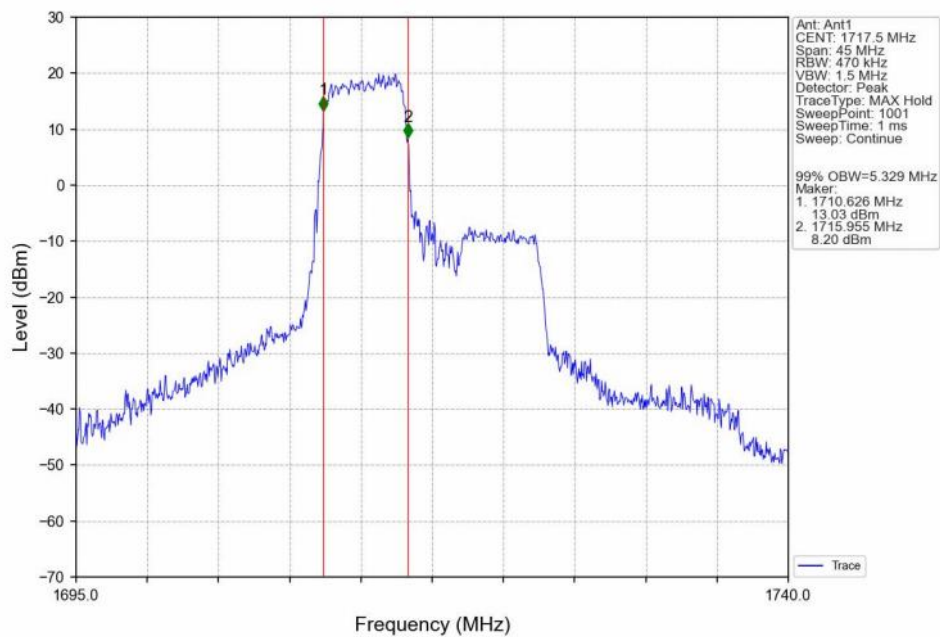
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



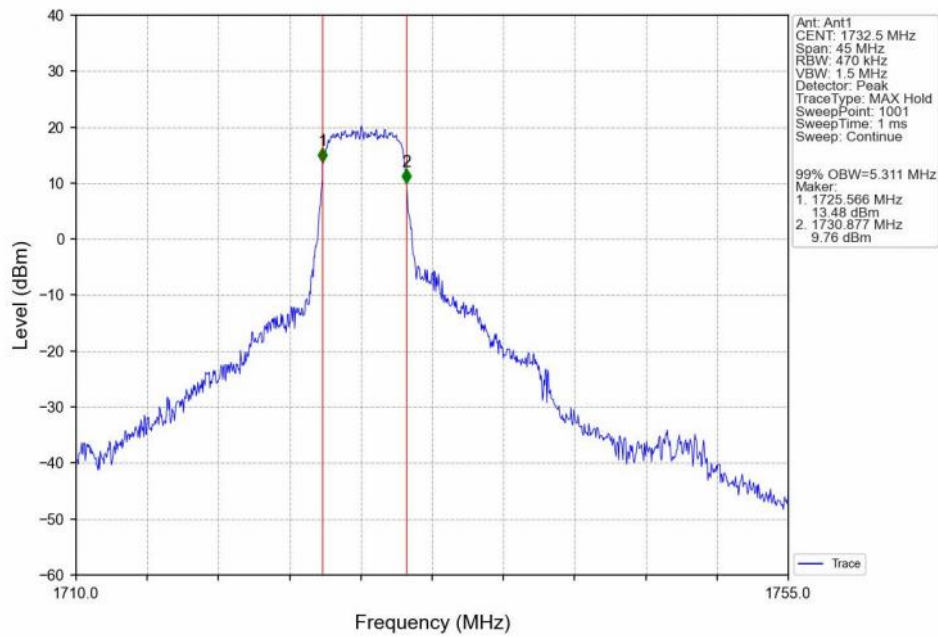
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



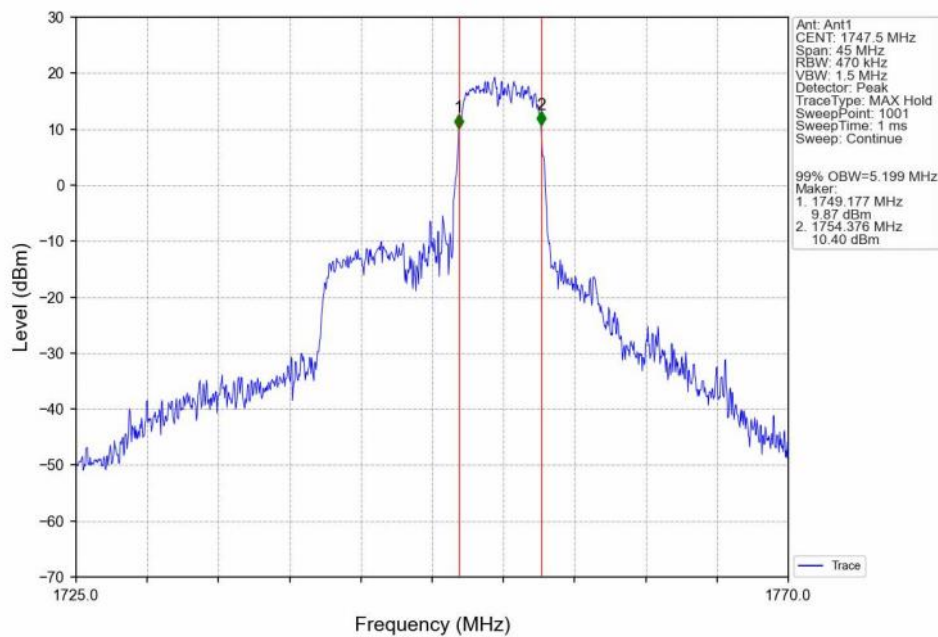
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



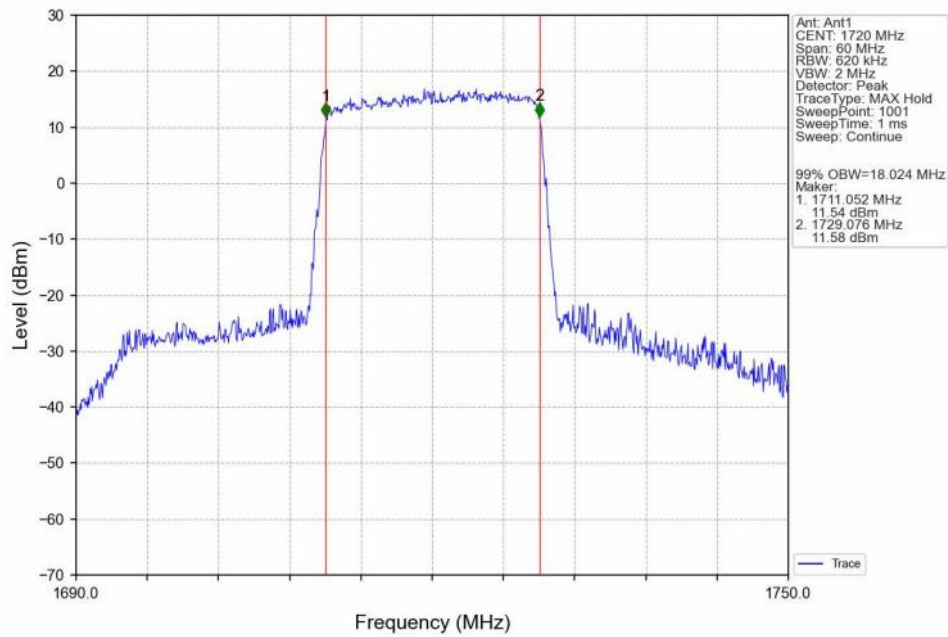
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



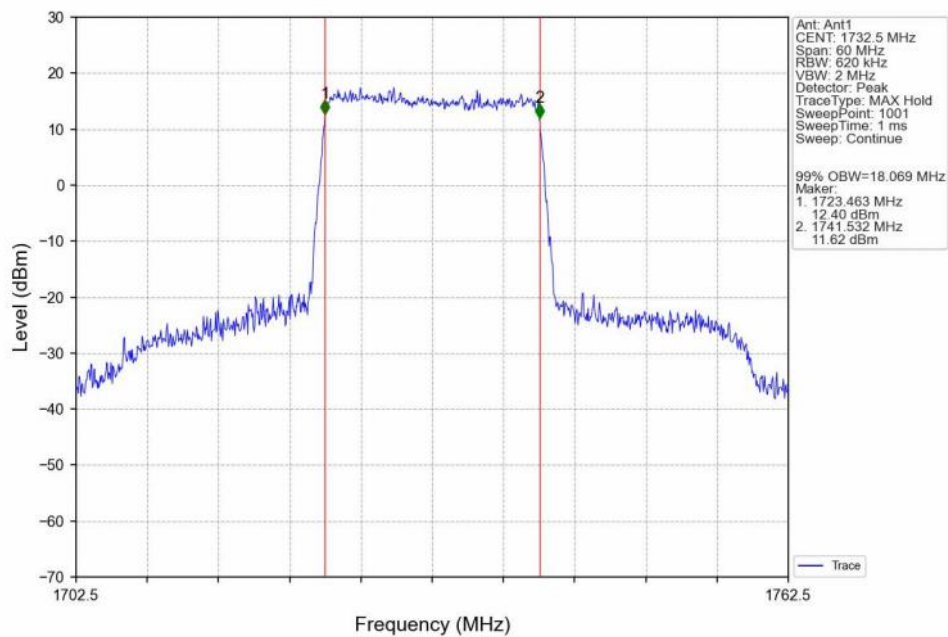
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



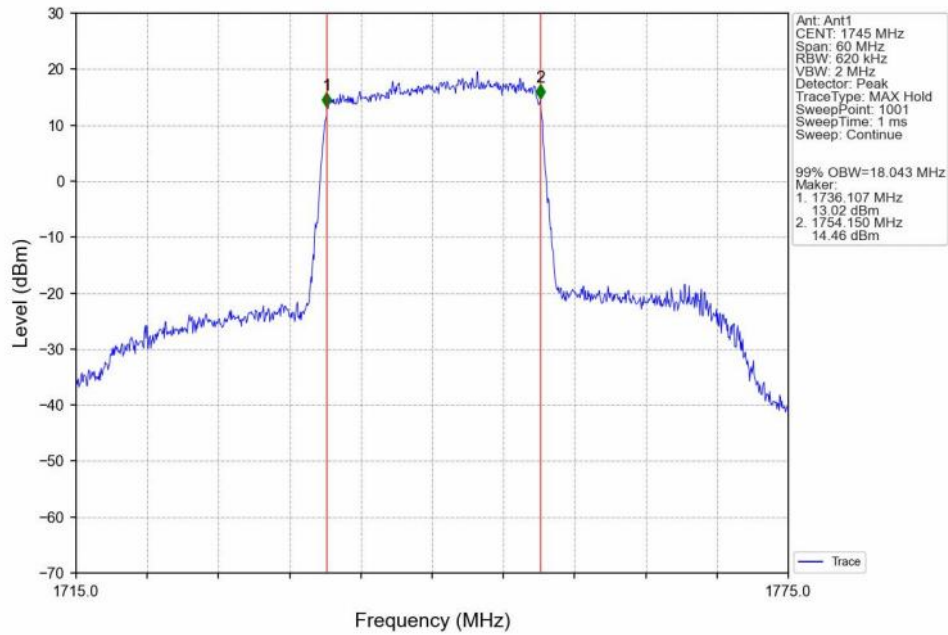
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



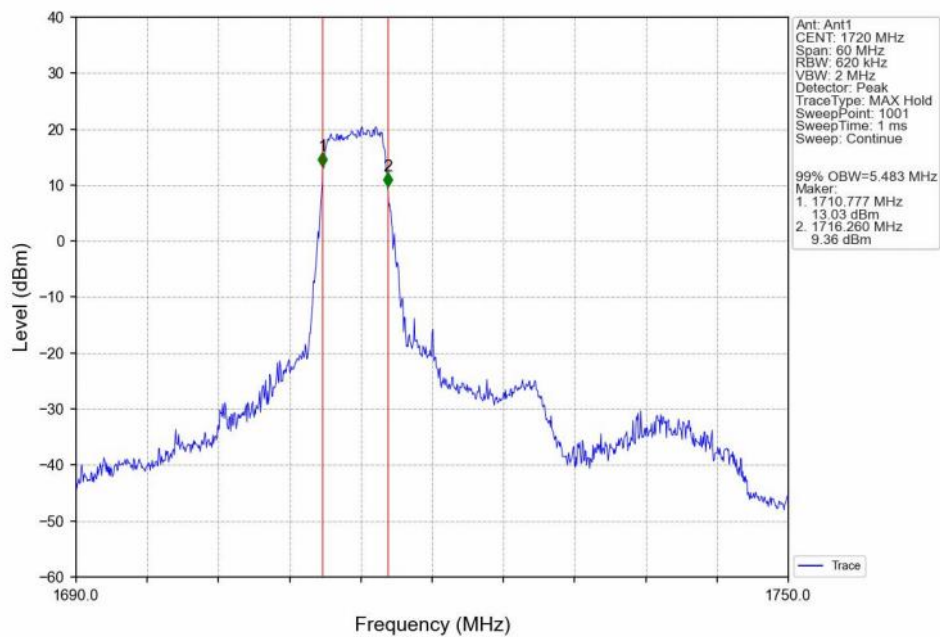
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



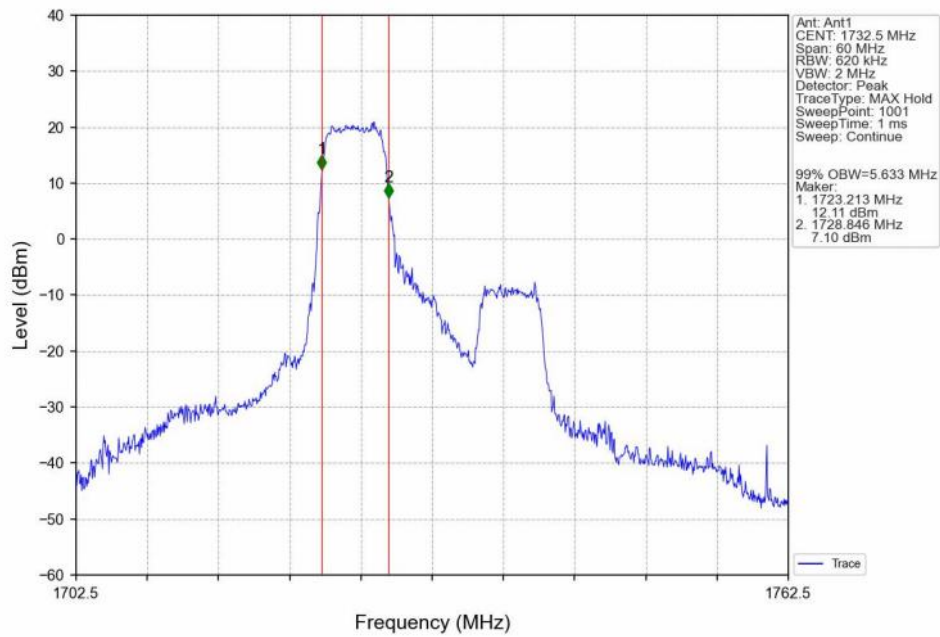
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



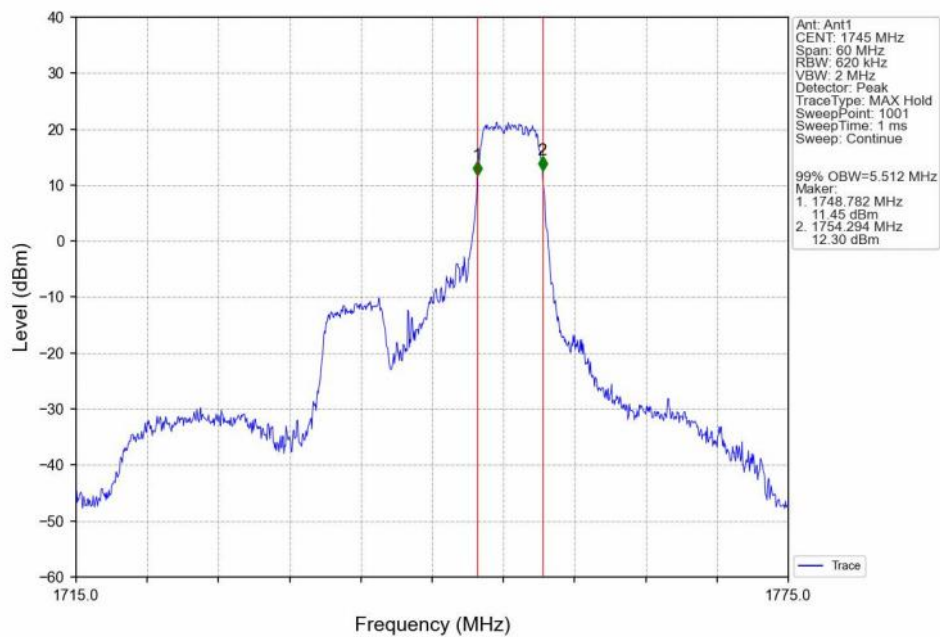
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



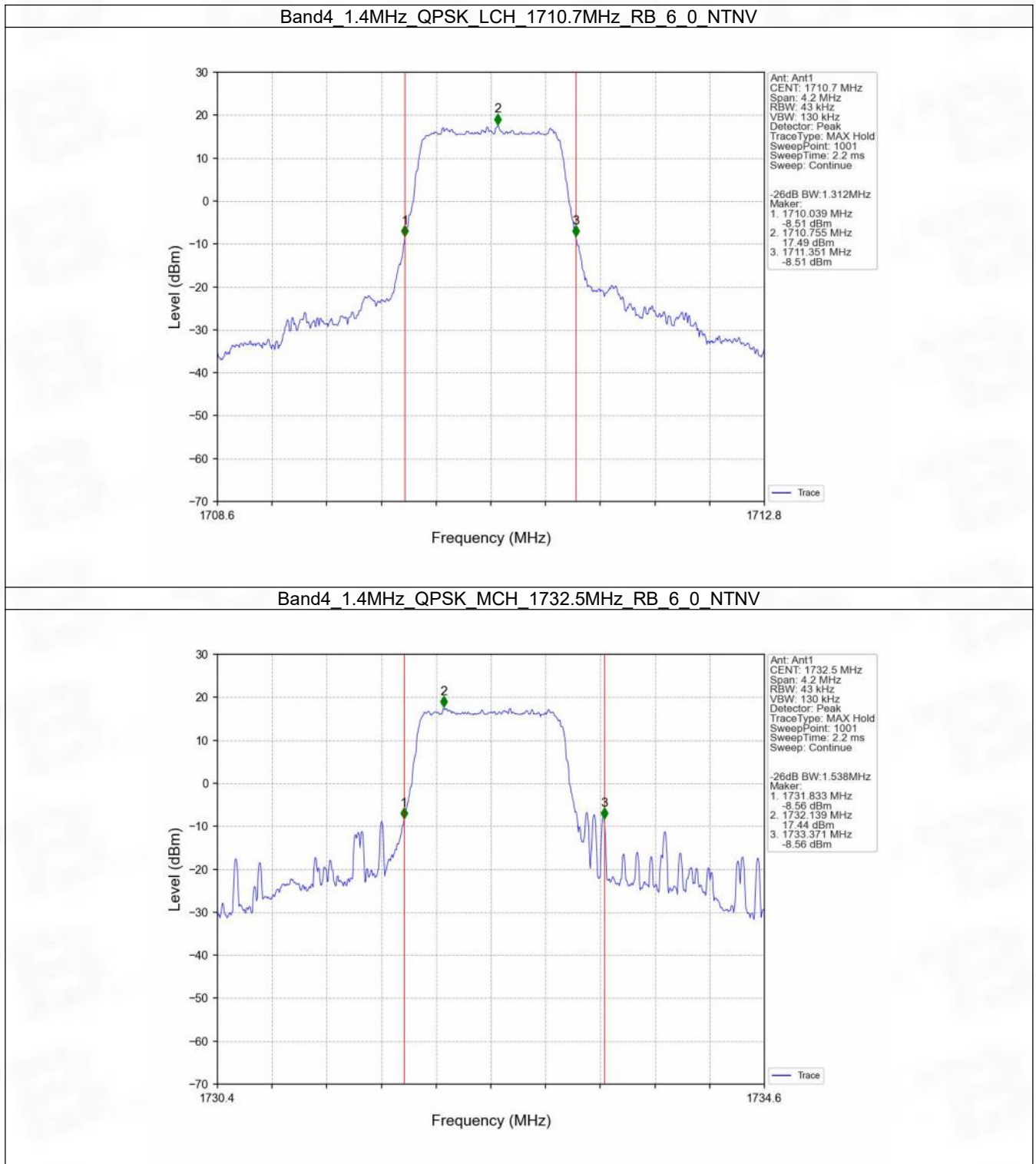
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



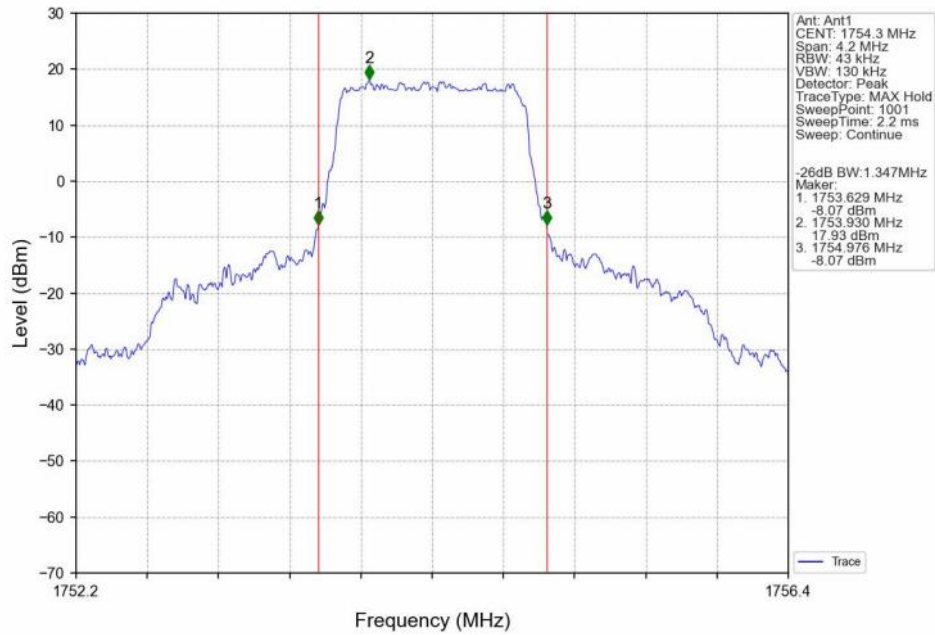
Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



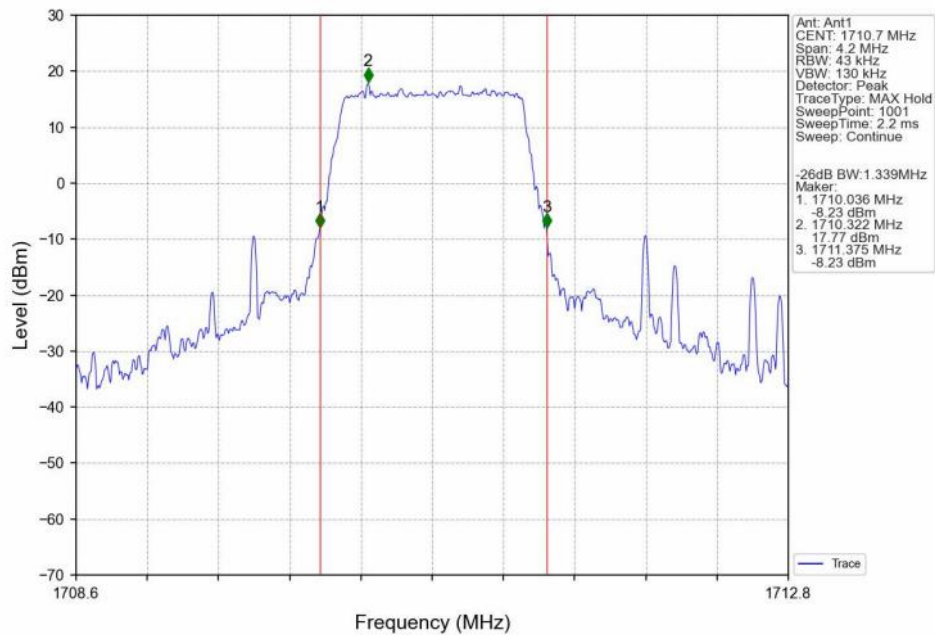
4.2.2 Band4_XDB



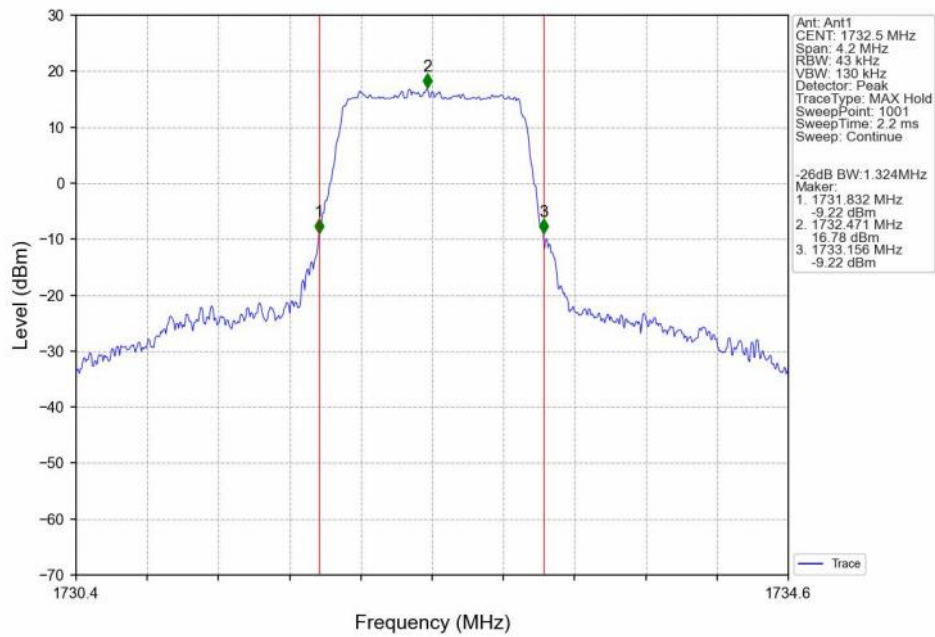
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



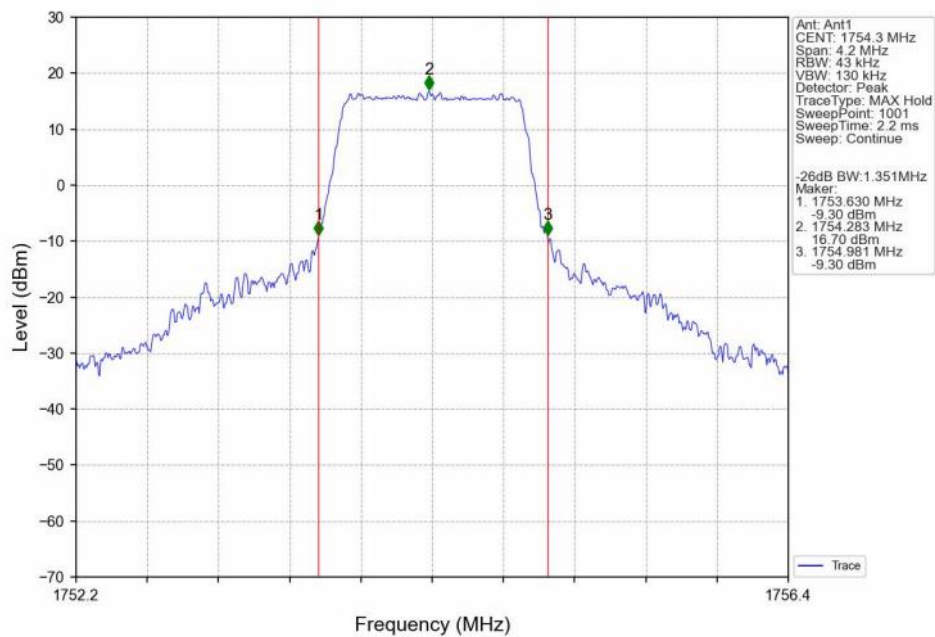
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



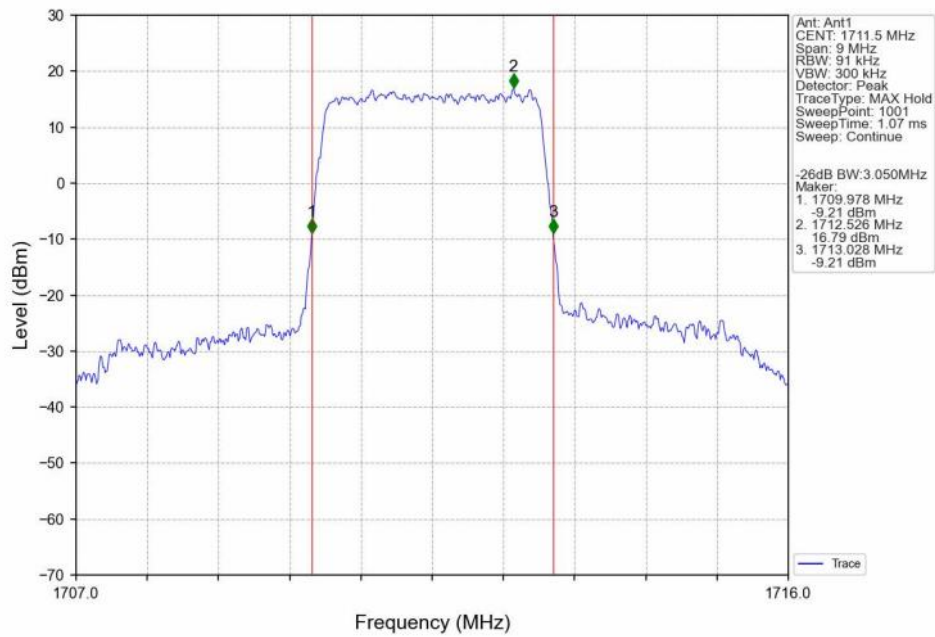
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



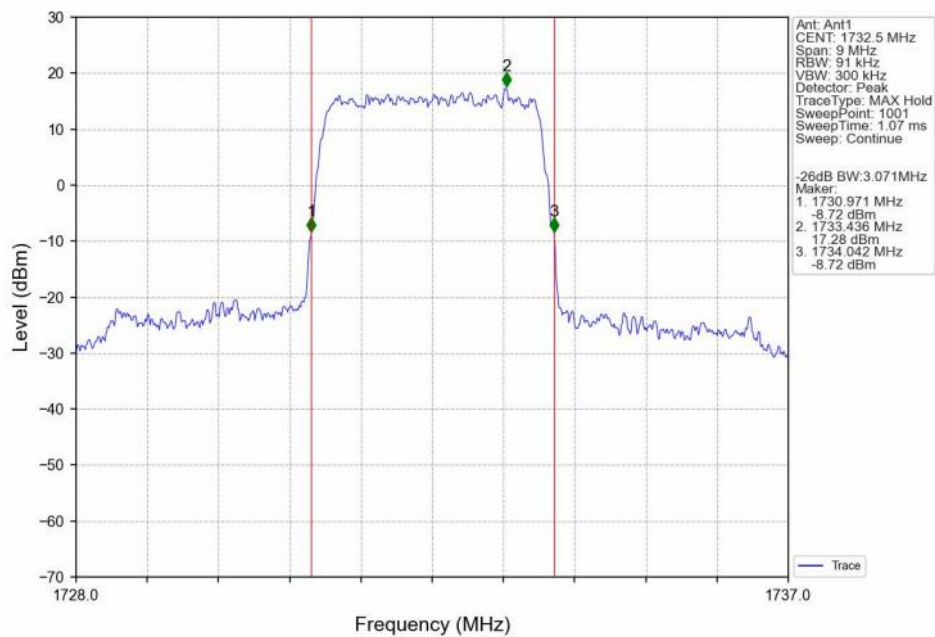
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



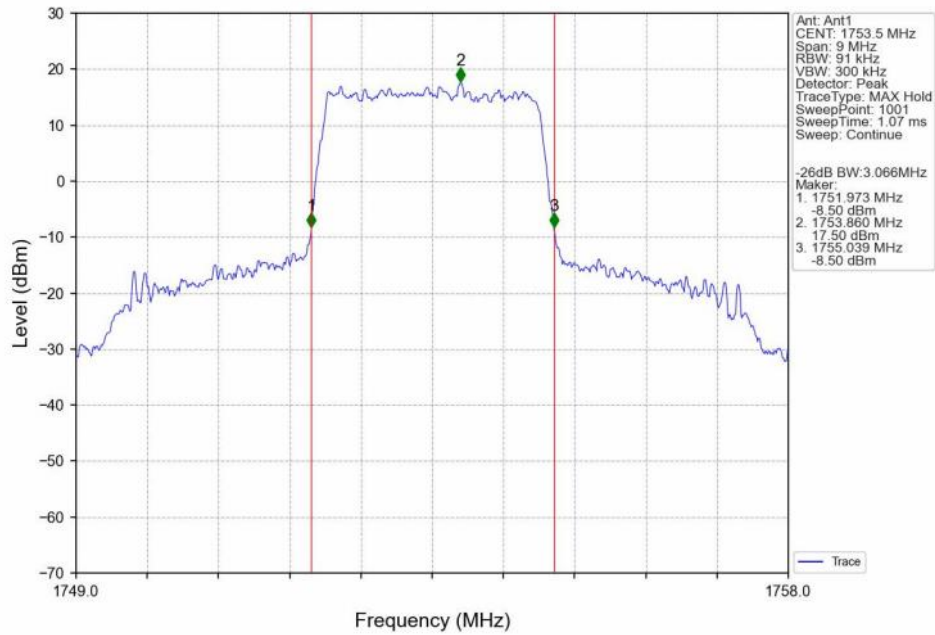
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



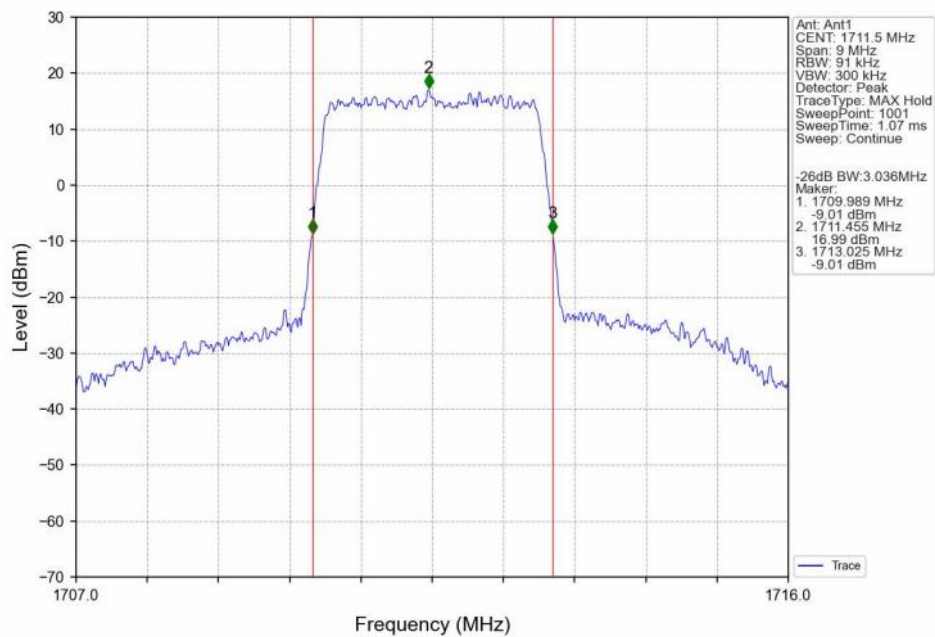
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



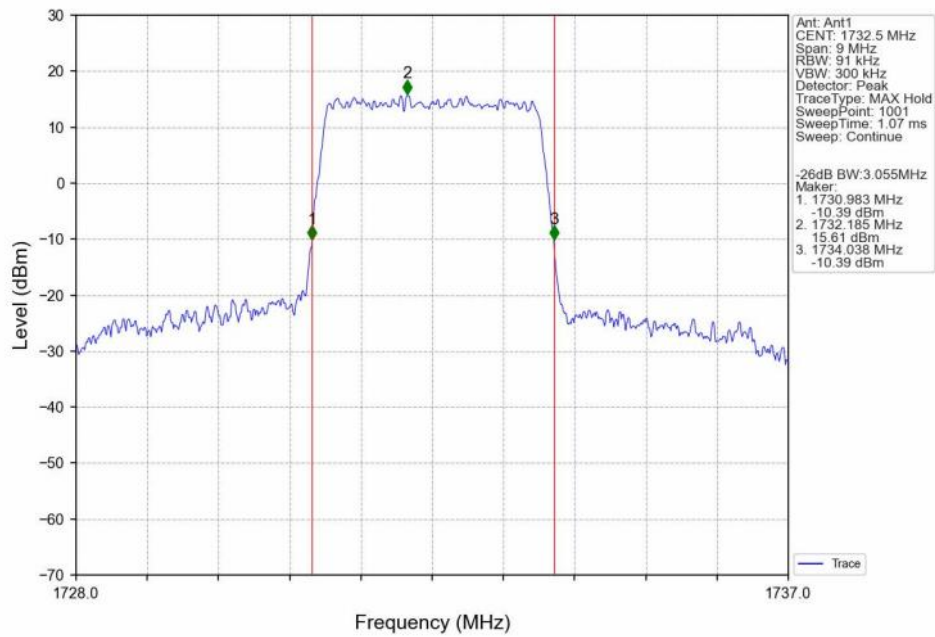
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



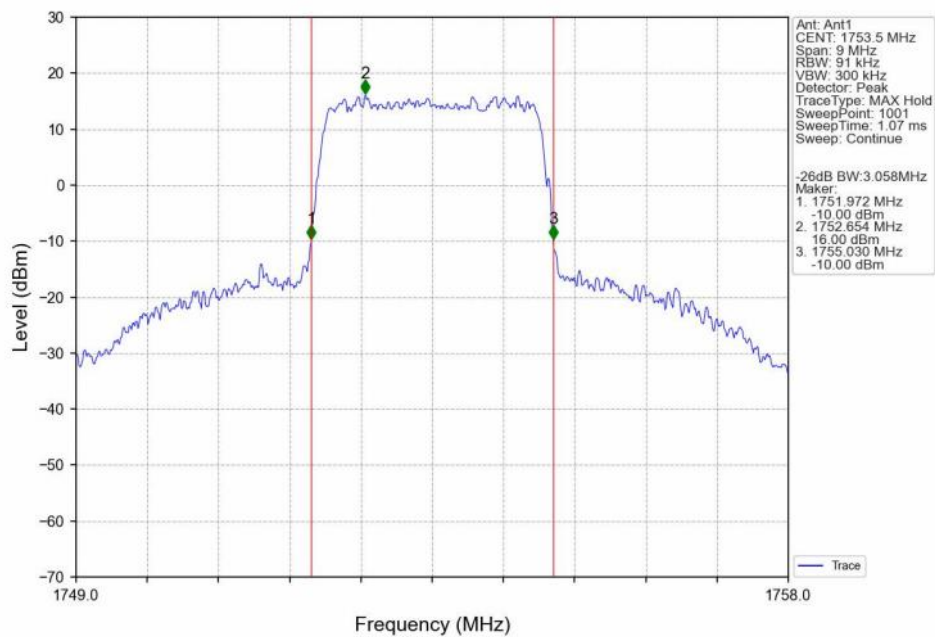
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



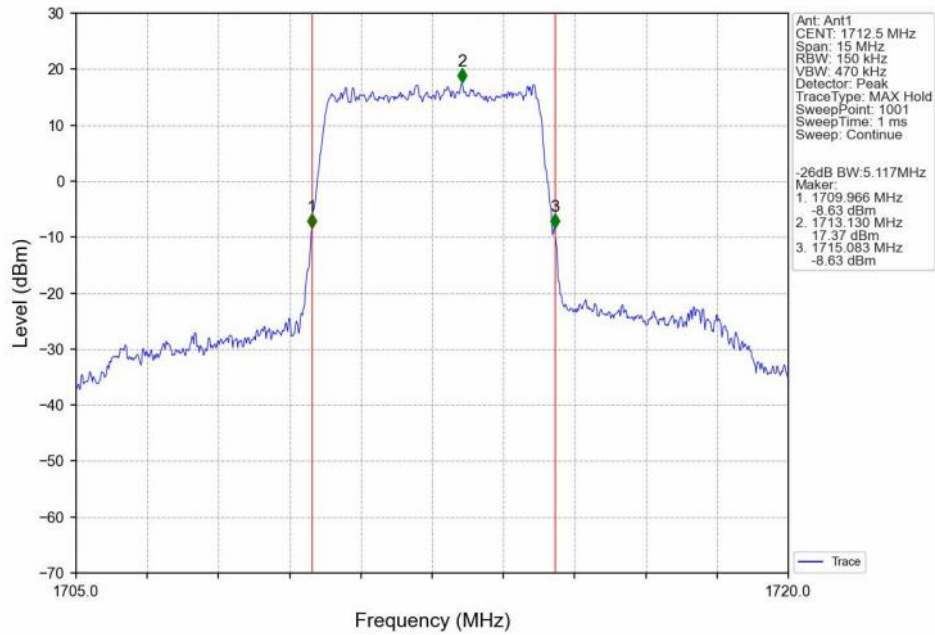
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



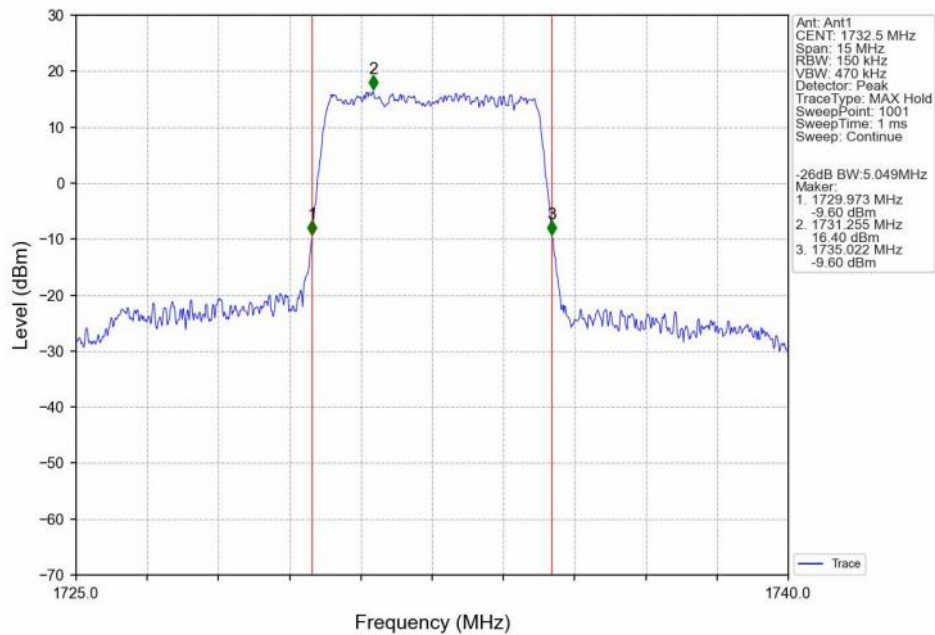
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



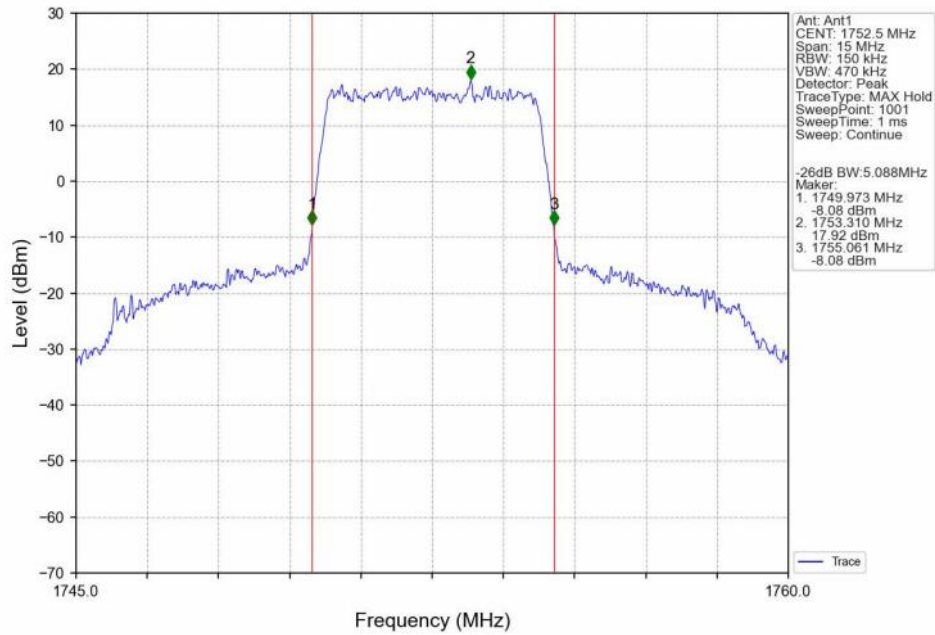
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



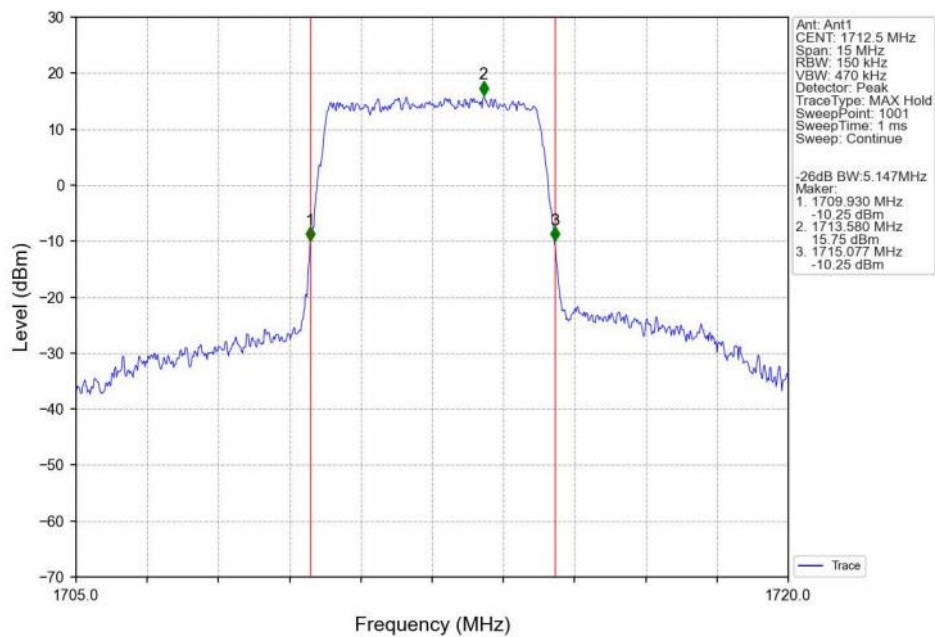
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



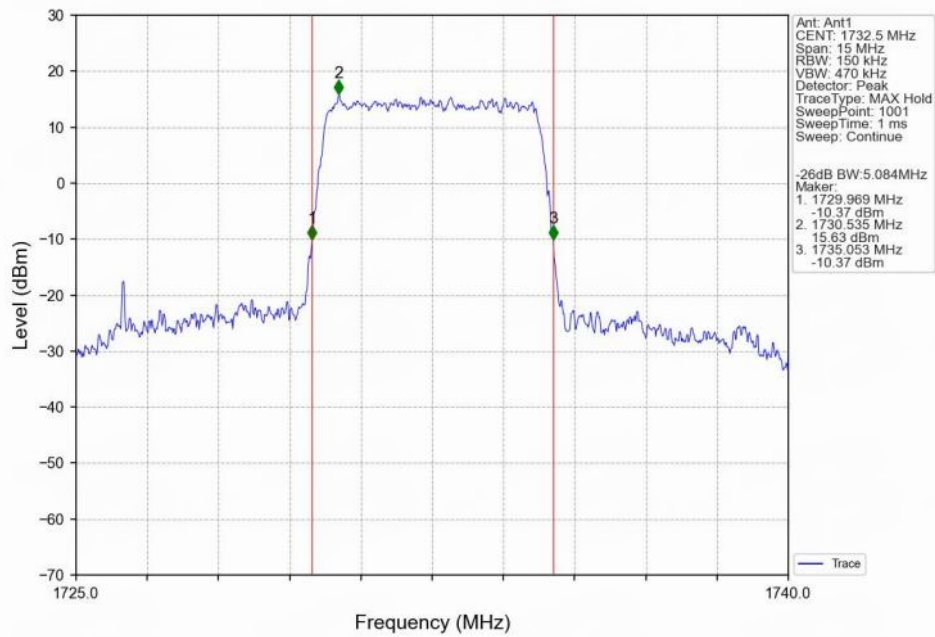
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



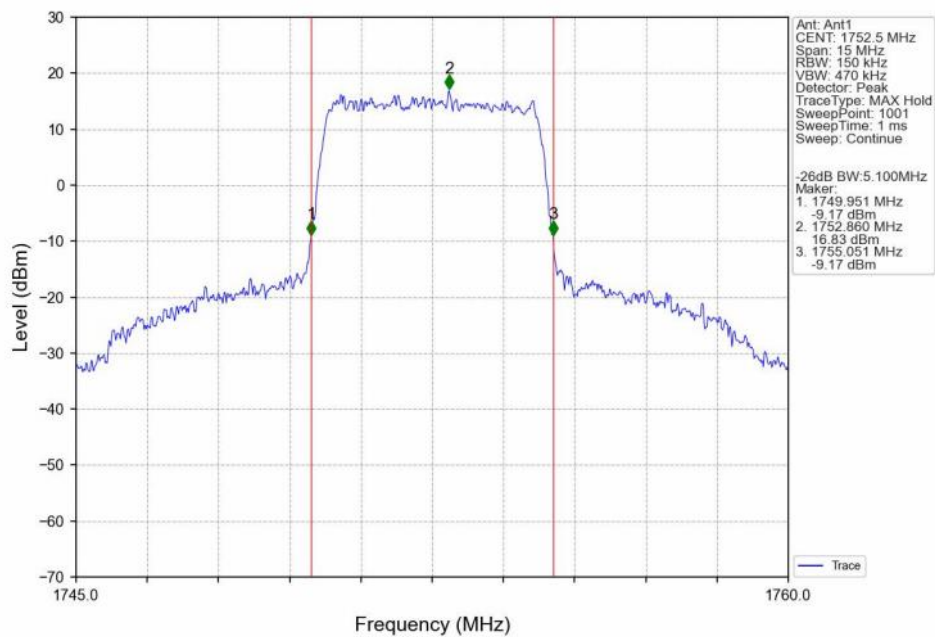
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



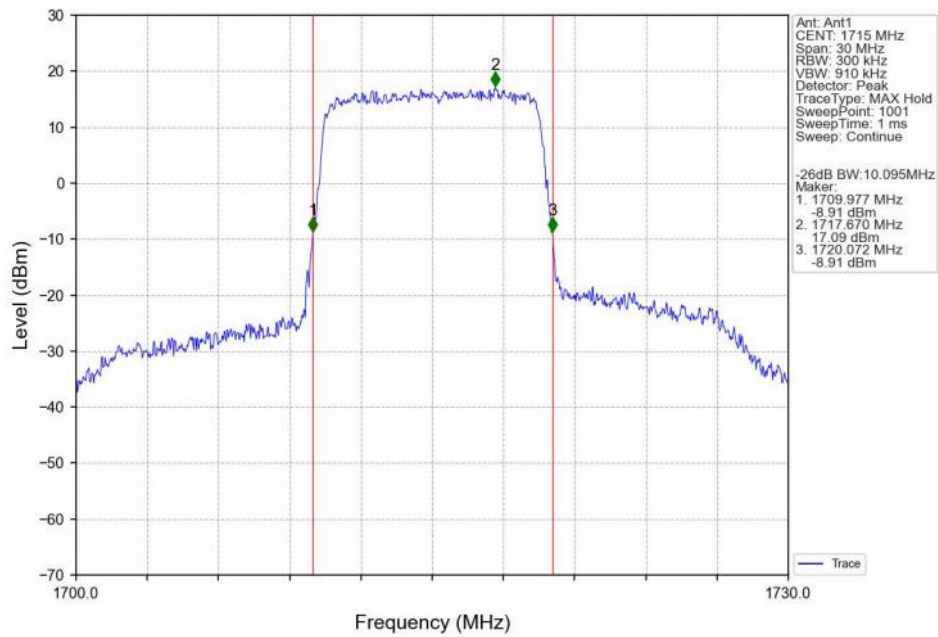
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



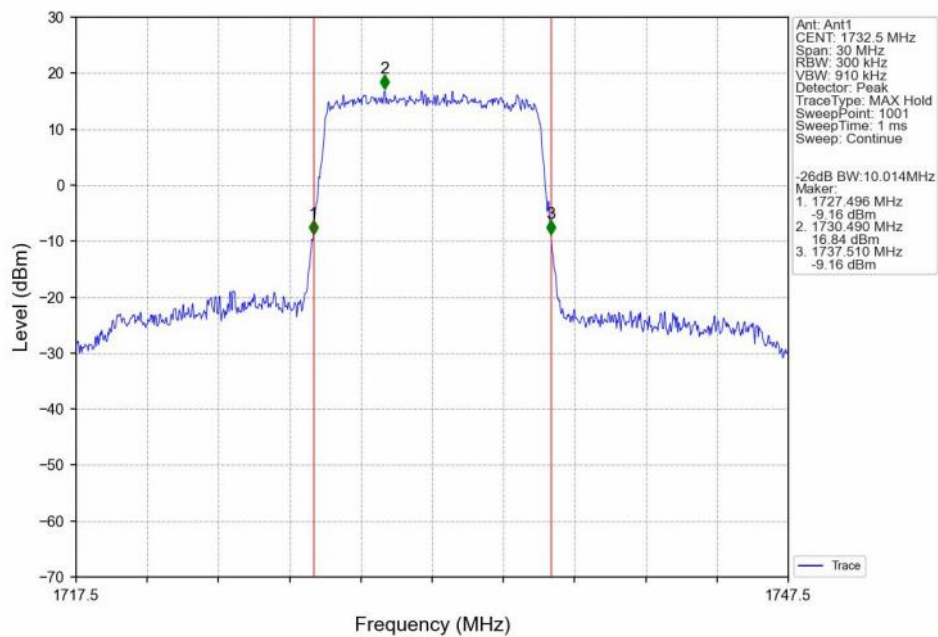
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



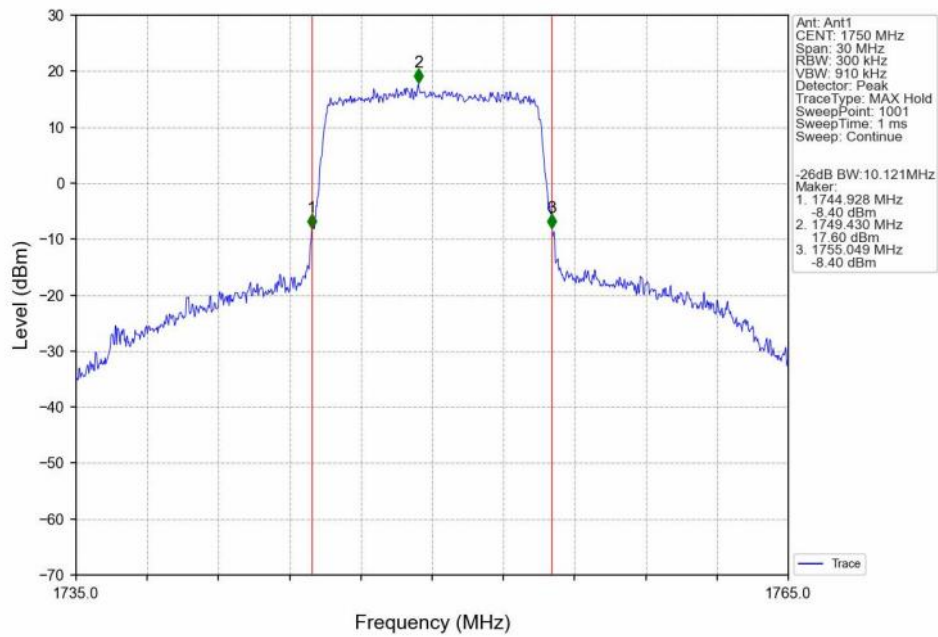
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



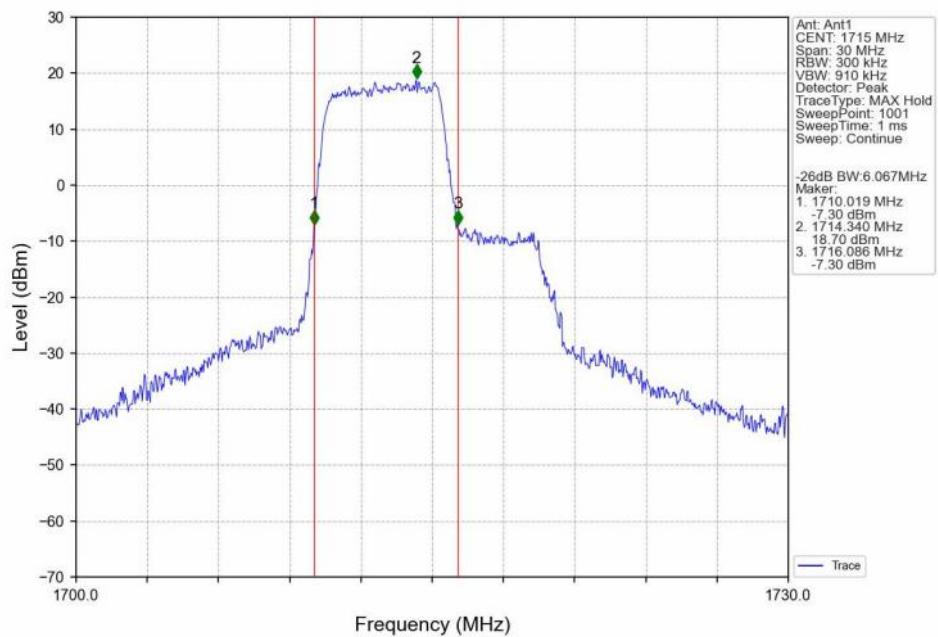
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



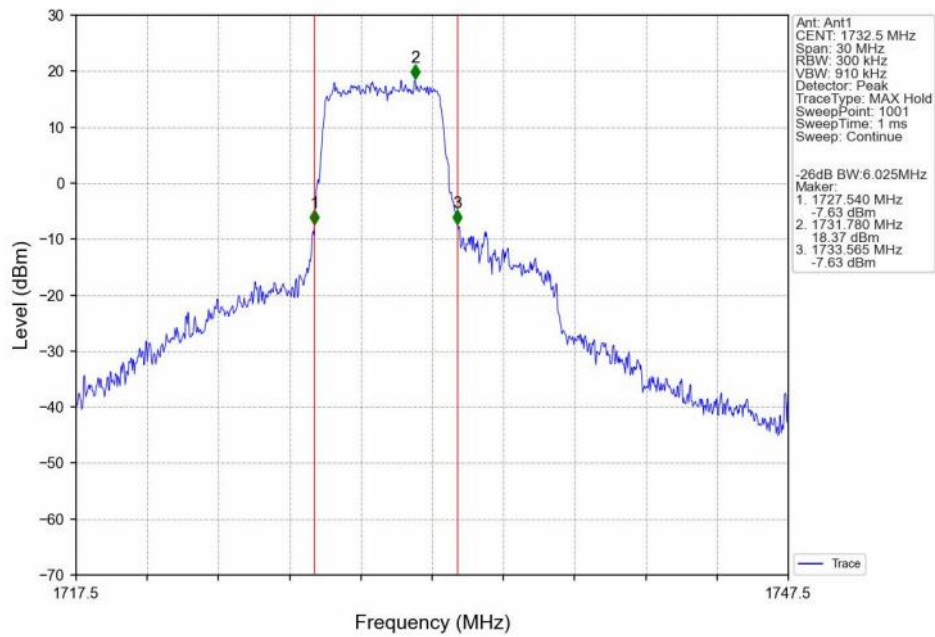
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



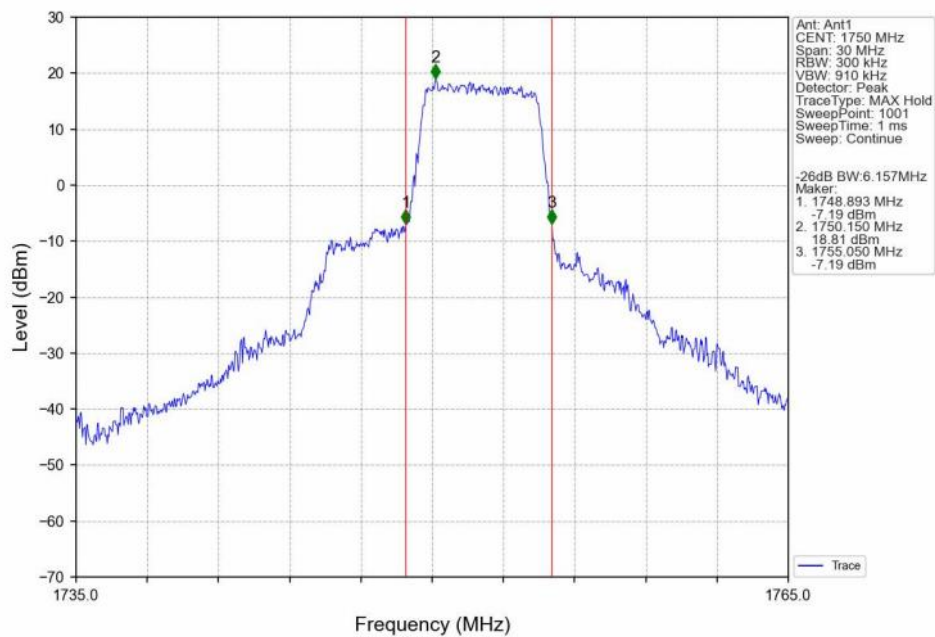
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



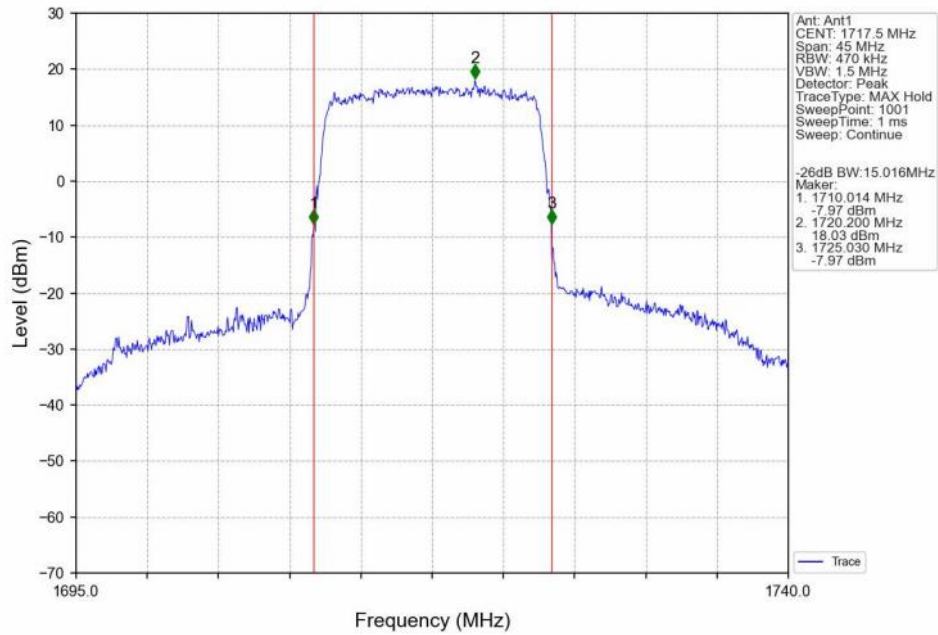
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



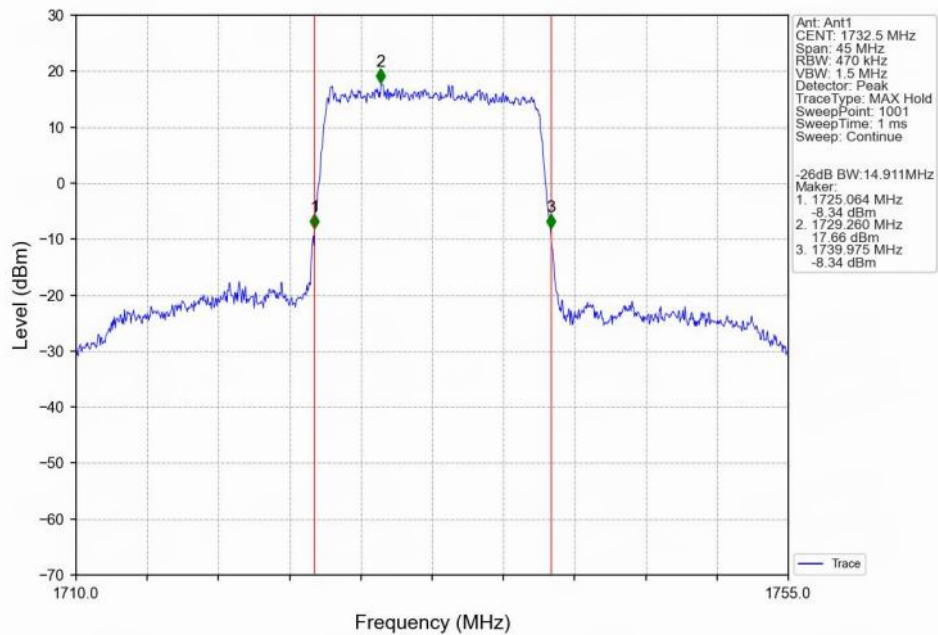
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



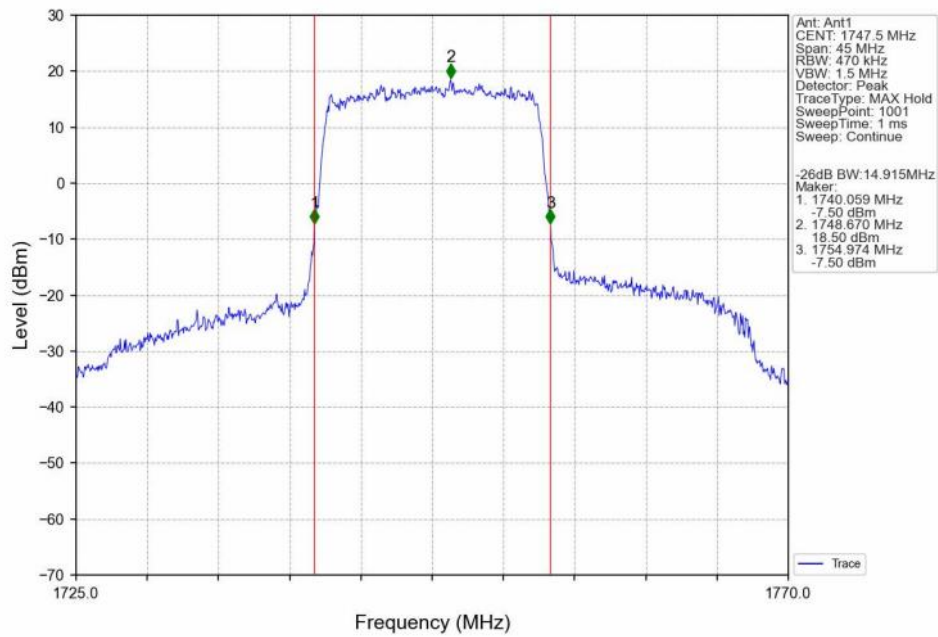
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



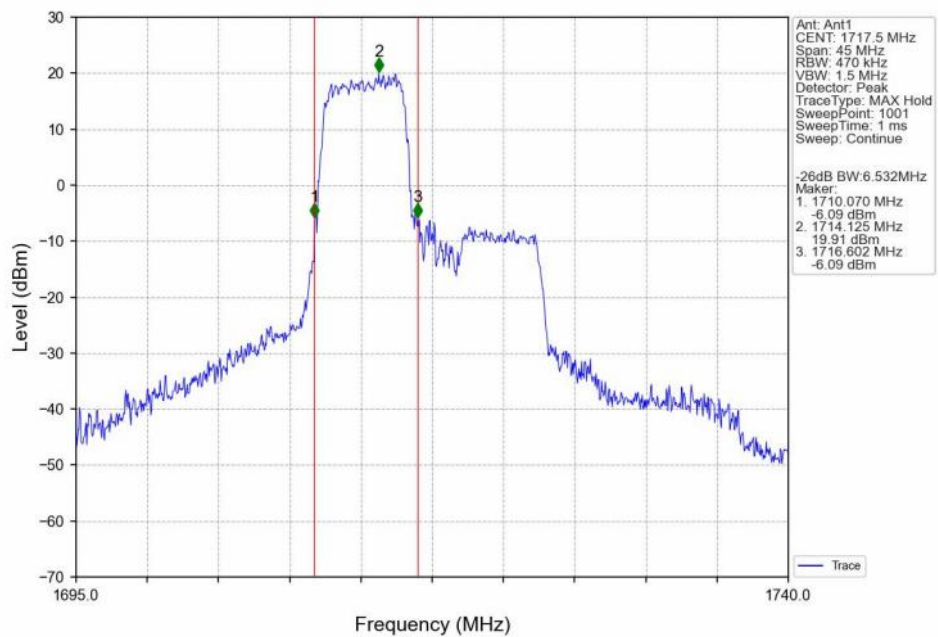
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



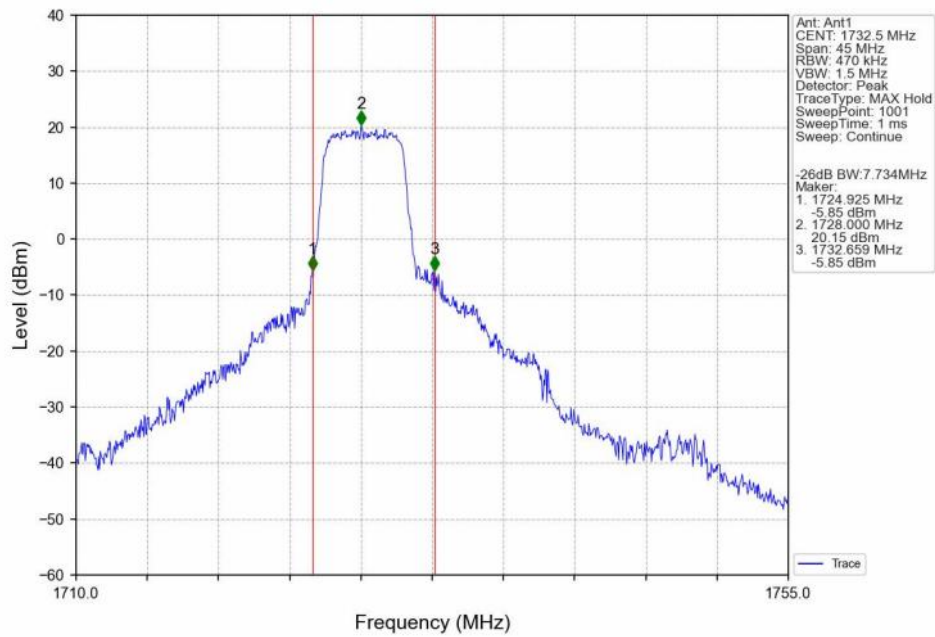
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



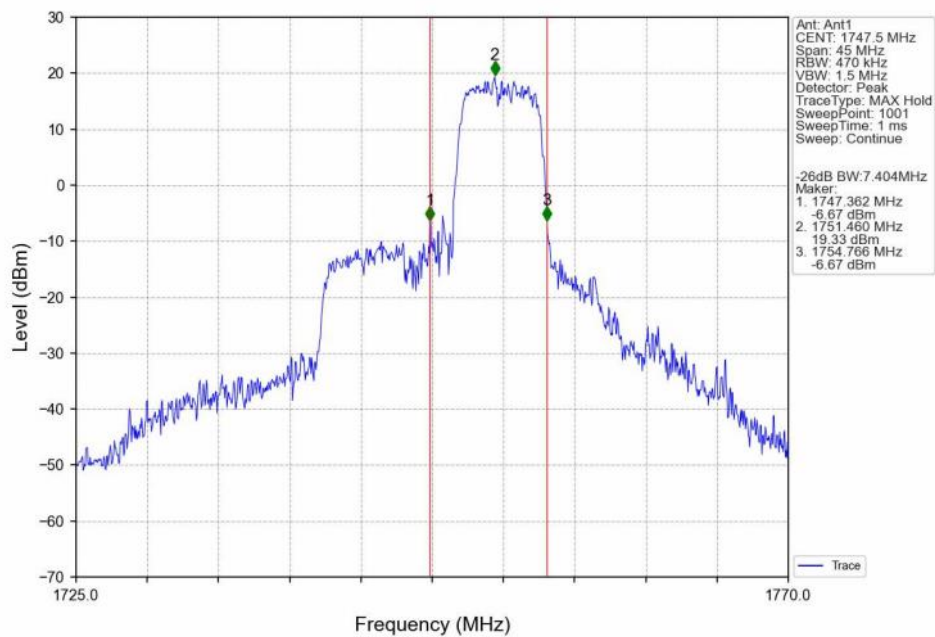
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



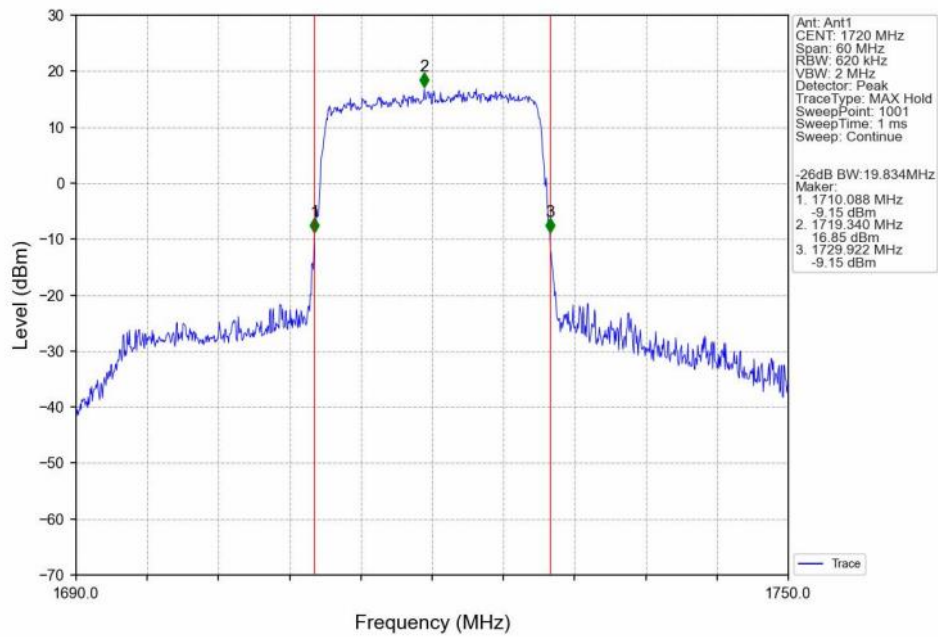
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



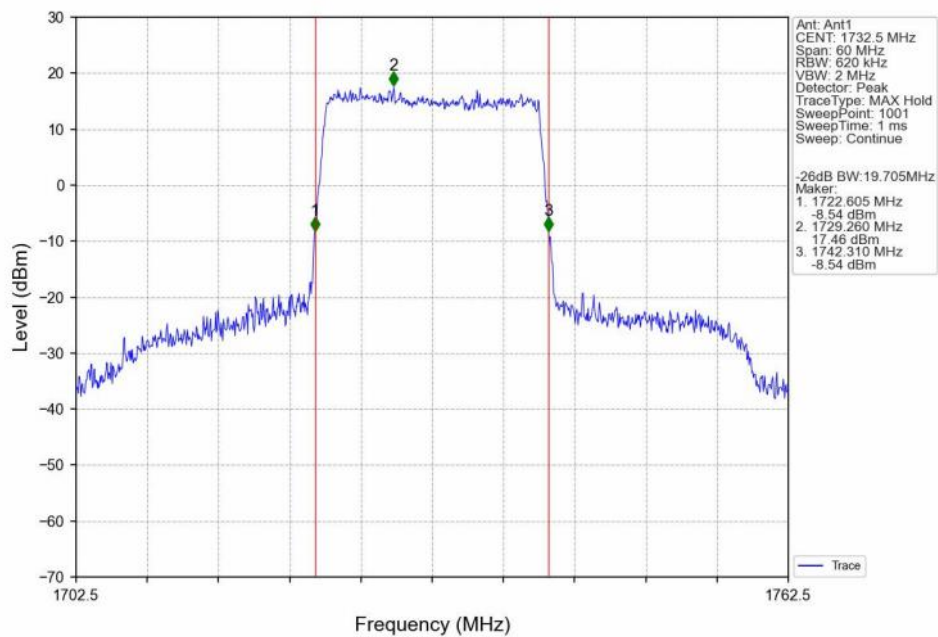
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



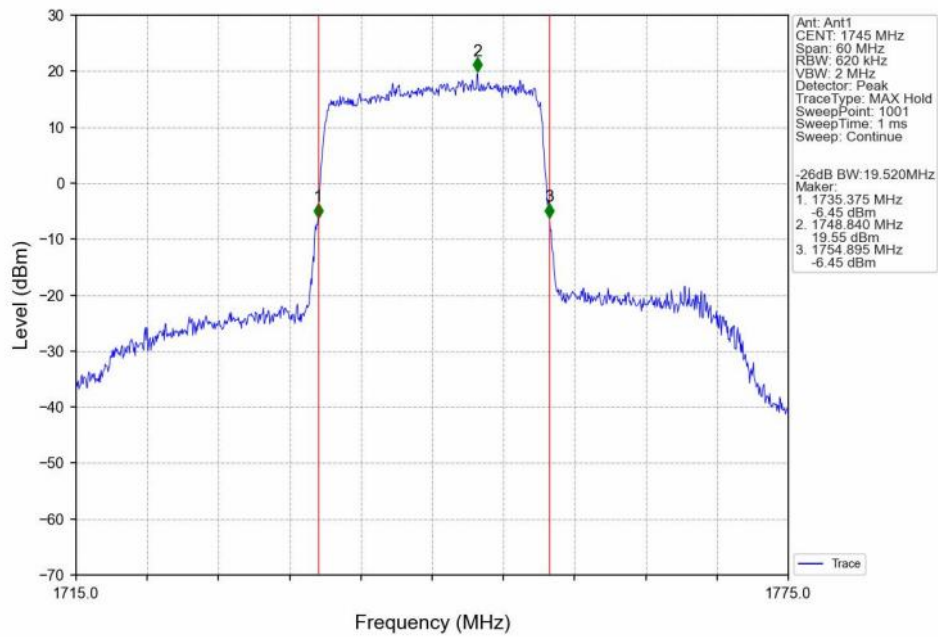
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



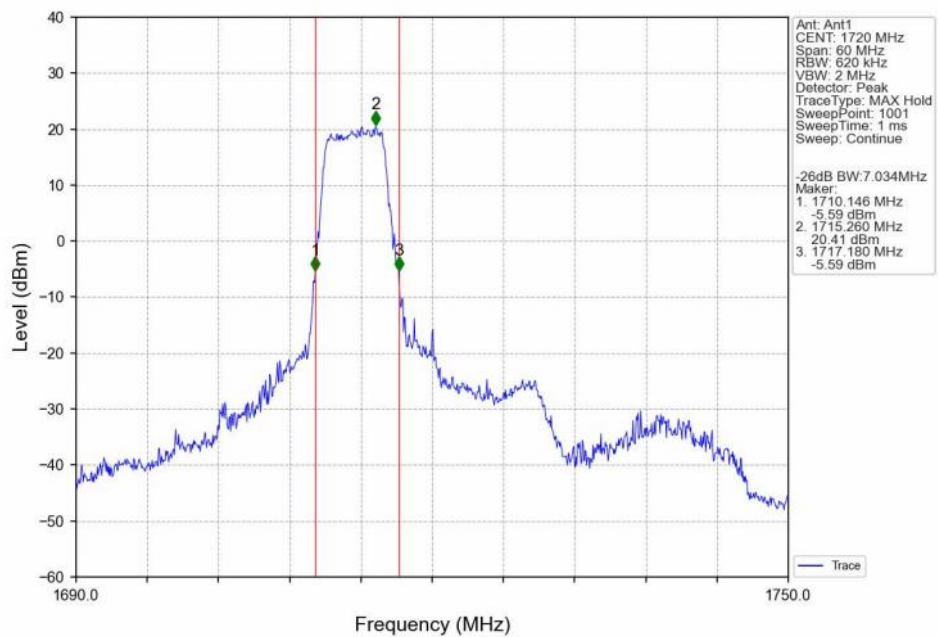
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



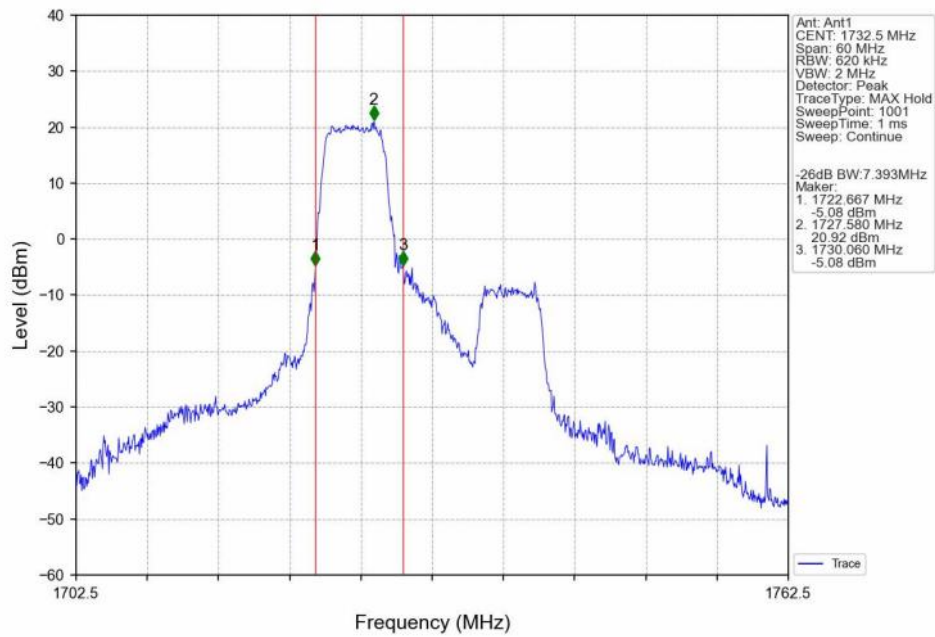
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



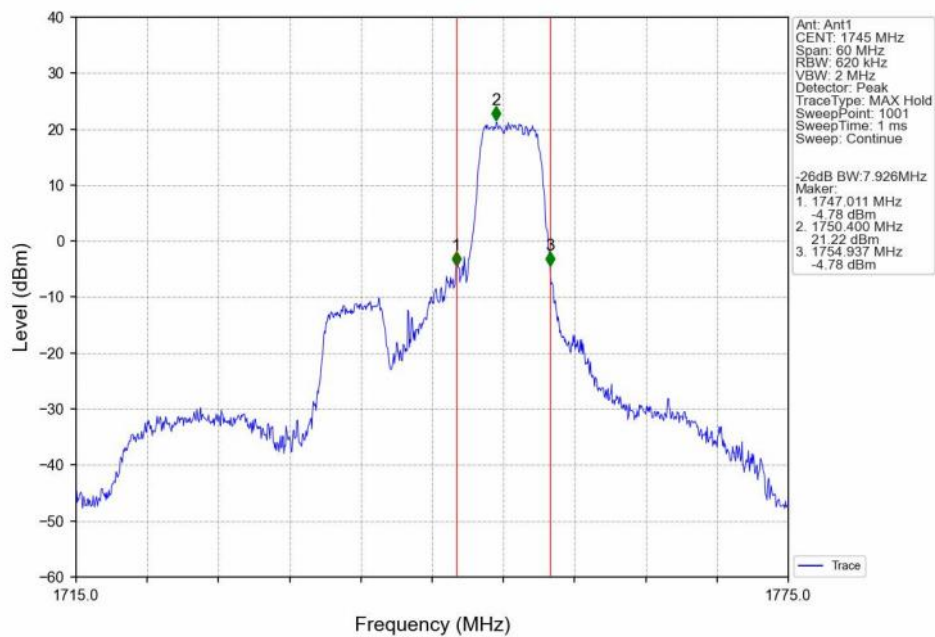
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.03	<=13	Pass
	1732.5	6	0	4.63	<=13	Pass
	1754.3	6	0	3.81	<=13	Pass
16QAM	1710.7	6	0	5.85	<=13	Pass
	1732.5	6	0	5.54	<=13	Pass
	1754.3	6	0	4.81	<=13	Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.12	<=13	Pass
	1732.5	15	0	4.80	<=13	Pass
	1753.5	15	0	4.00	<=13	Pass
16QAM	1711.5	15	0	5.98	<=13	Pass
	1732.5	15	0	5.77	<=13	Pass
	1753.5	15	0	4.96	<=13	Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.13	<=13	Pass
	1732.5	25	0	5.01	<=13	Pass
	1752.5	25	0	4.43	<=13	Pass
16QAM	1712.5	25	0	5.95	<=13	Pass
	1732.5	25	0	5.83	<=13	Pass
	1752.5	25	0	5.21	<=13	Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.01	<=13	Pass
	1732.5	50	0	4.96	<=13	Pass
	1750	50	0	3.87	<=13	Pass
16QAM	1715	27	0	5.72	<=13	Pass
	1732.5	27	0	12.64	<=13	Pass
	1750	27	23	3.76	<=13	Pass

5.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency	RB Allocation		Peak-Average Ratio (dB)		Verdict

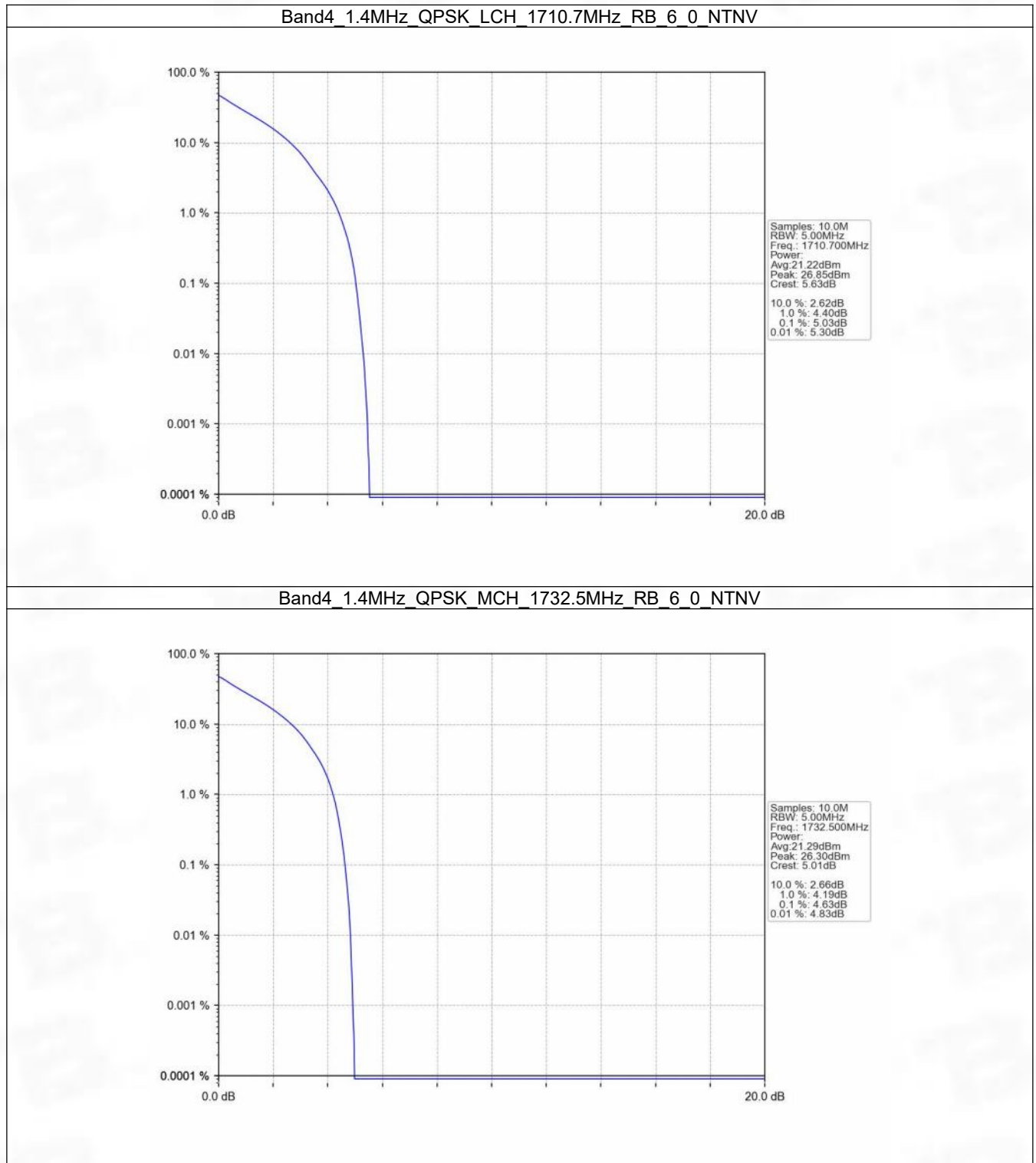
	(MHz)	Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.13	<=13	Pass
	1732.5	75	0	5.45	<=13	Pass
	1747.5	75	0	4.01	<=13	Pass
16QAM	1717.5	27	0	8.40	<=13	Pass
	1732.5	27	0	4.87	<=13	Pass
	1747.5	27	48	8.40	<=13	Pass

5.1.6 B4_20MHz

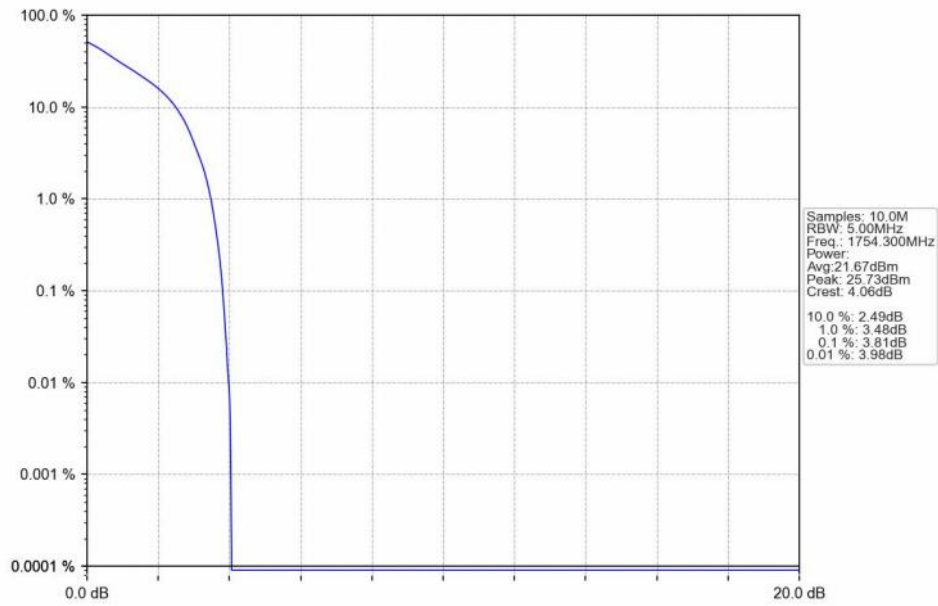
Band: 4 / Bandwidth: 20MHz / NTN/V						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	4.33	<=13	Pass
	1732.5	100	0	5.33	<=13	Pass
	1745	100	0	4.87	<=13	Pass
16QAM	1720	27	0	5.05	<=13	Pass
	1732.5	27	0	4.57	<=13	Pass
	1745	27	73	3.84	<=13	Pass

5.2 Test Graph

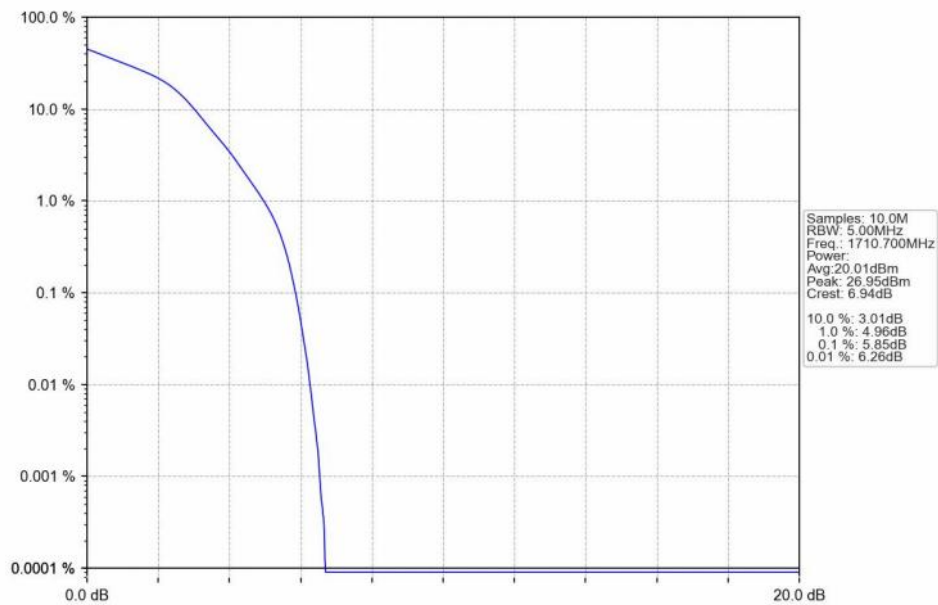
5.2.1 B4_1.4MHz



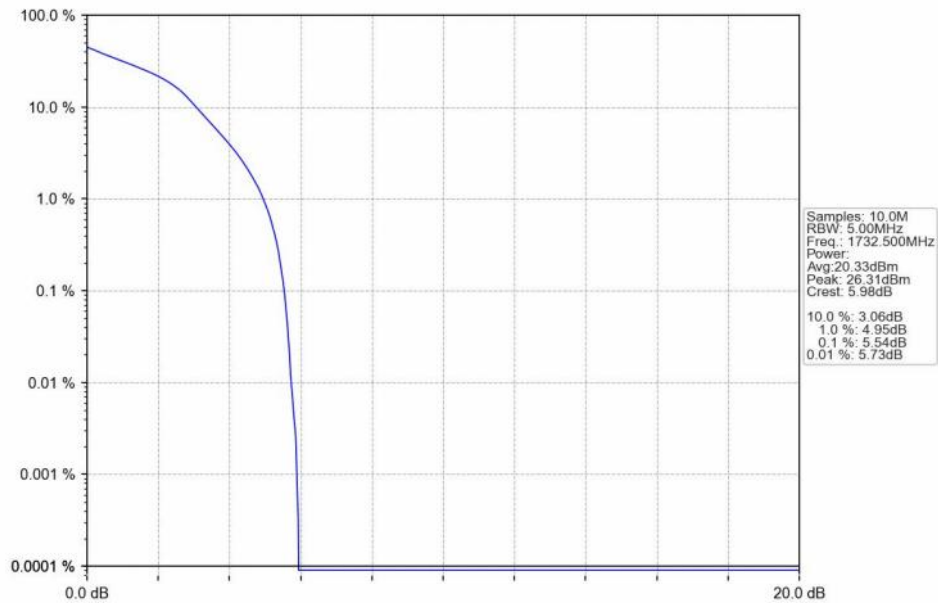
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



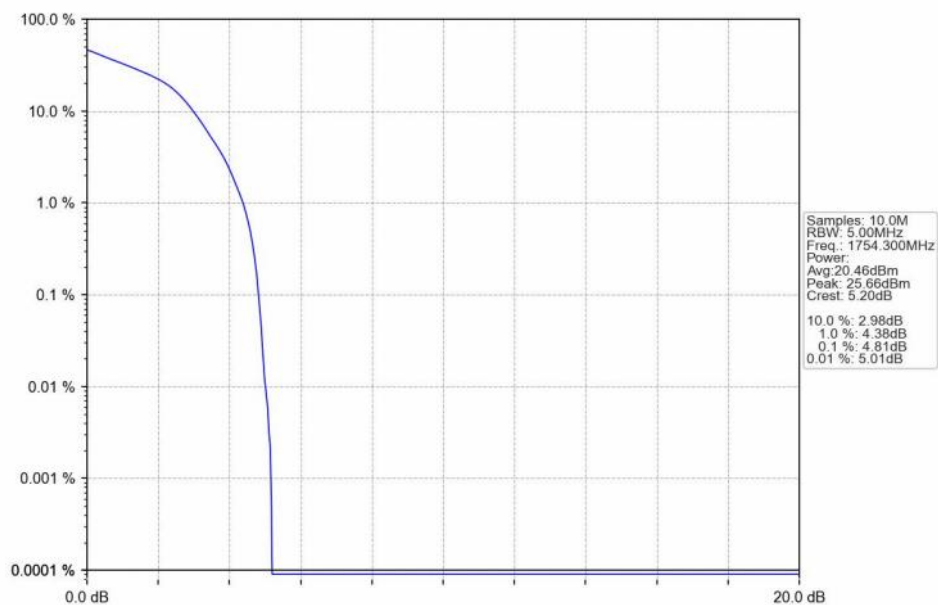
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



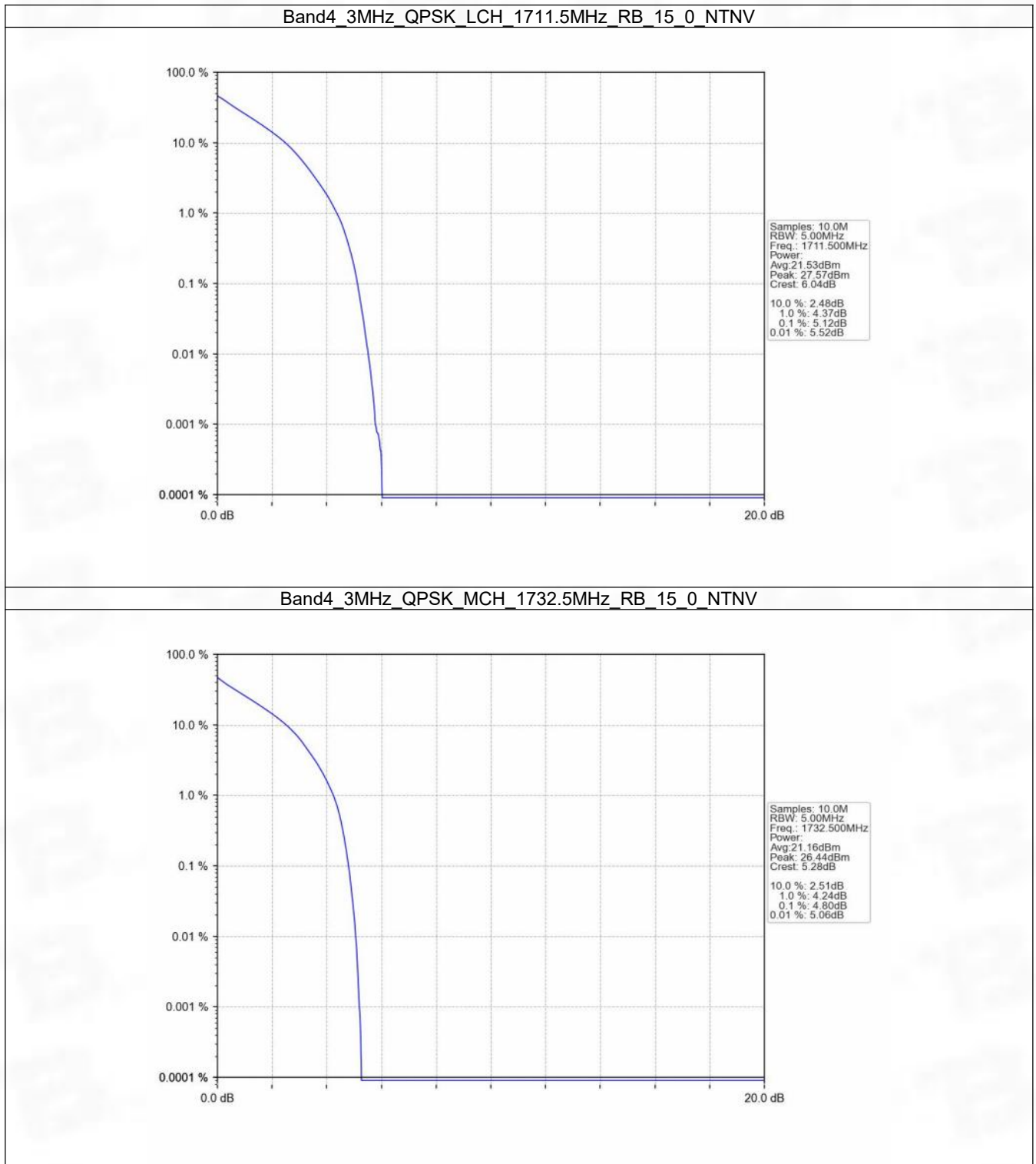
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



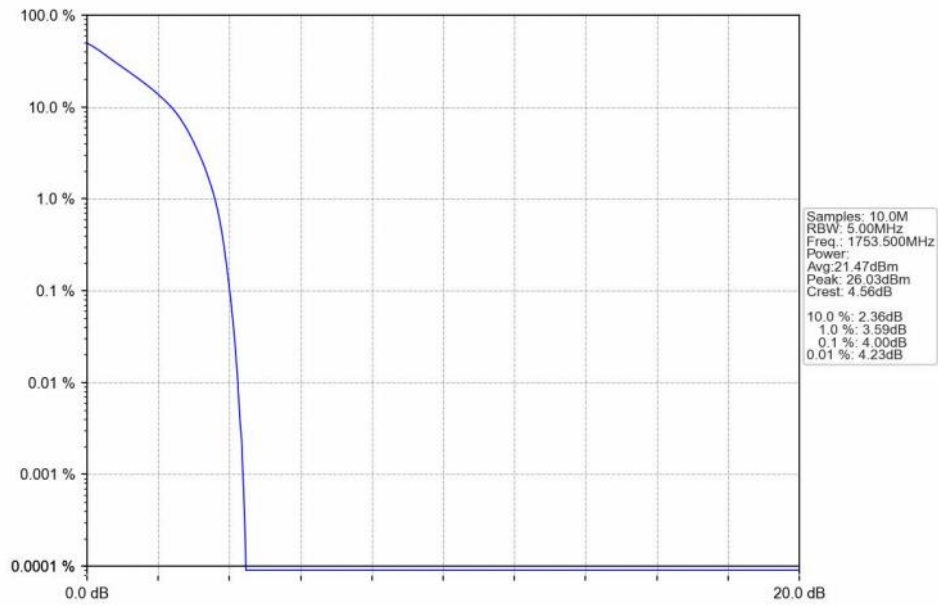
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



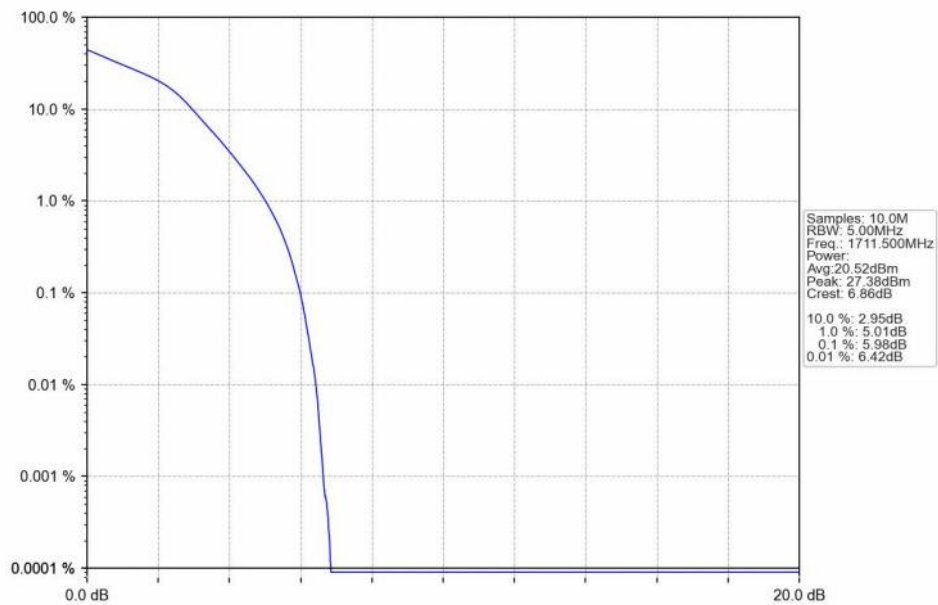
5.2.2 B4_3MHz



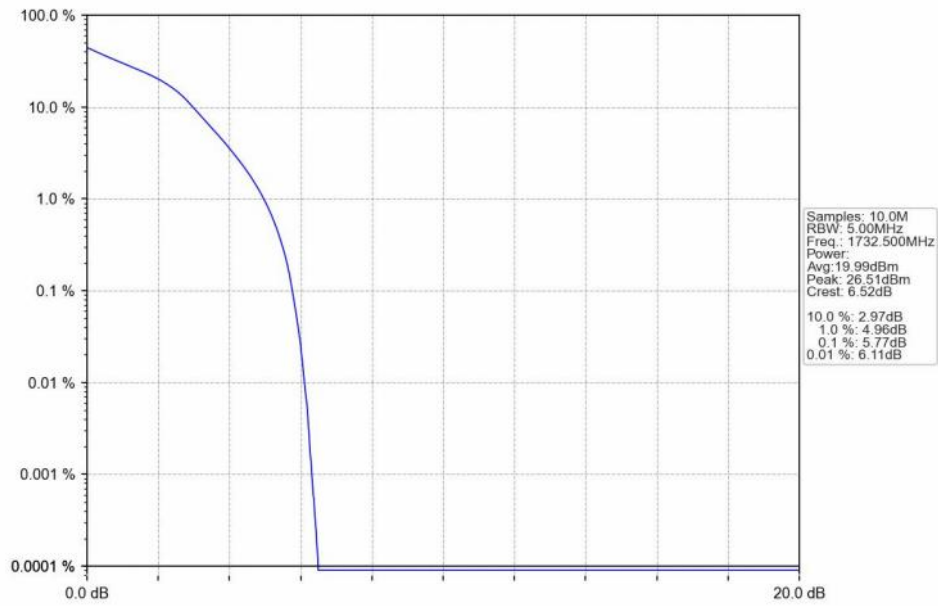
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



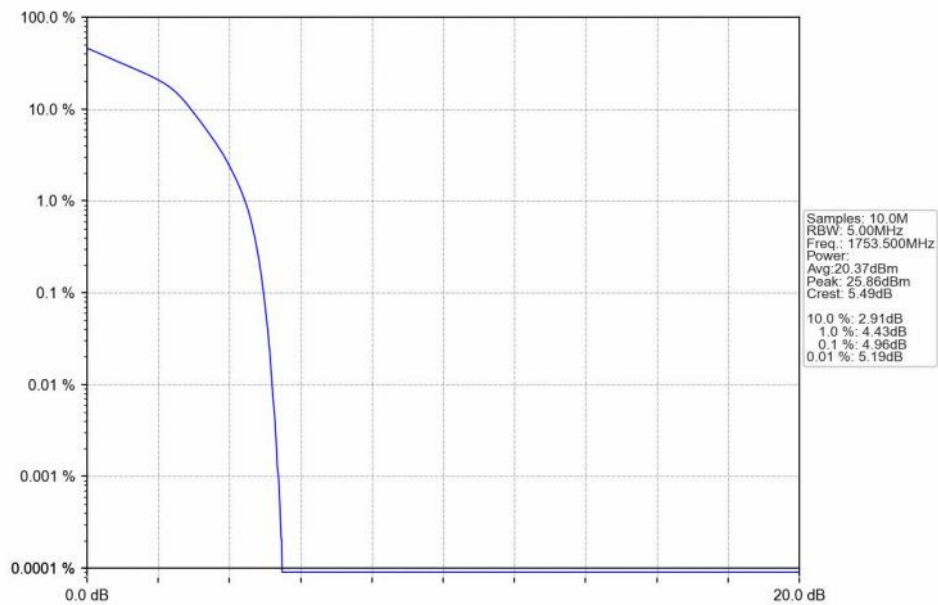
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



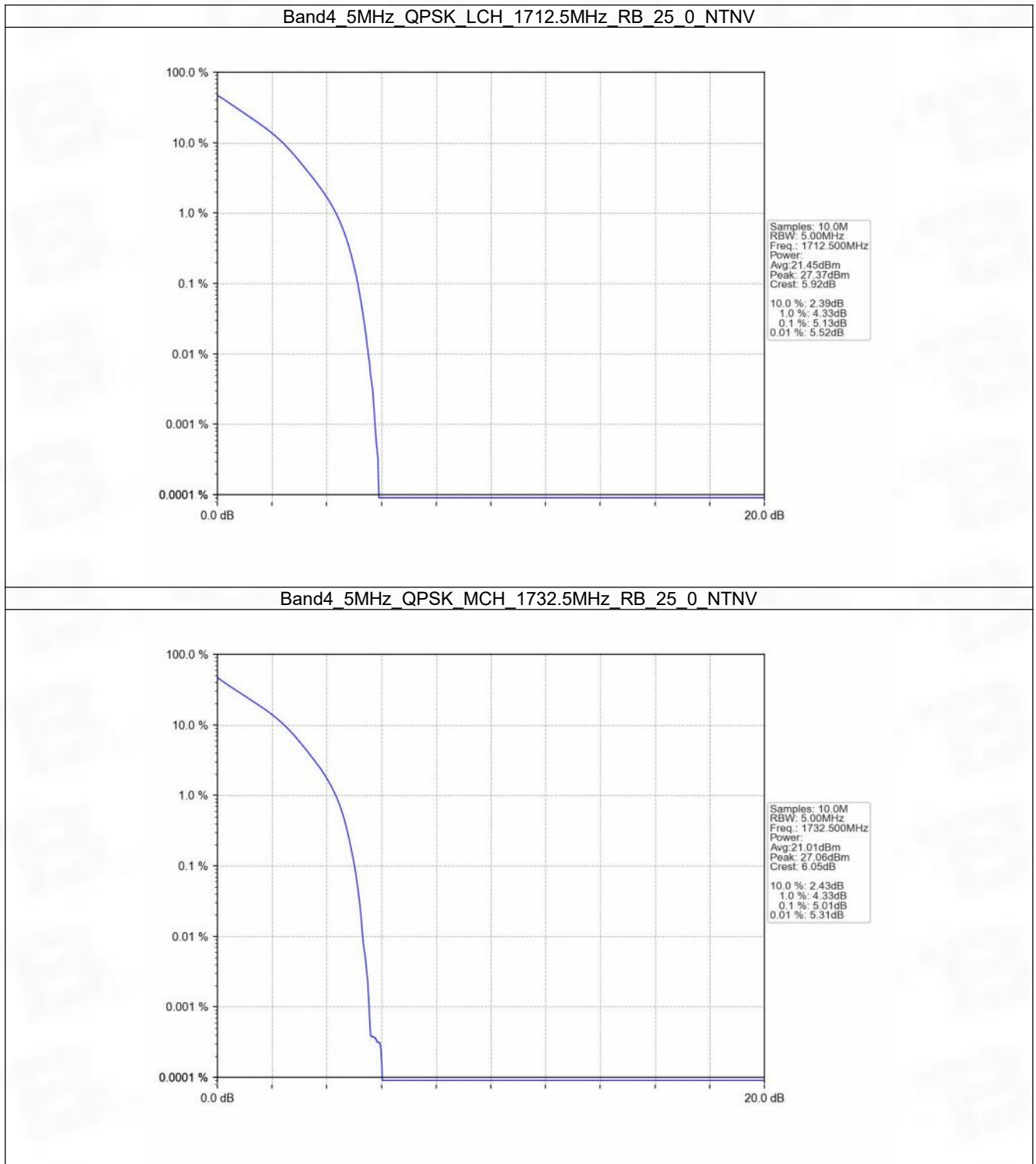
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



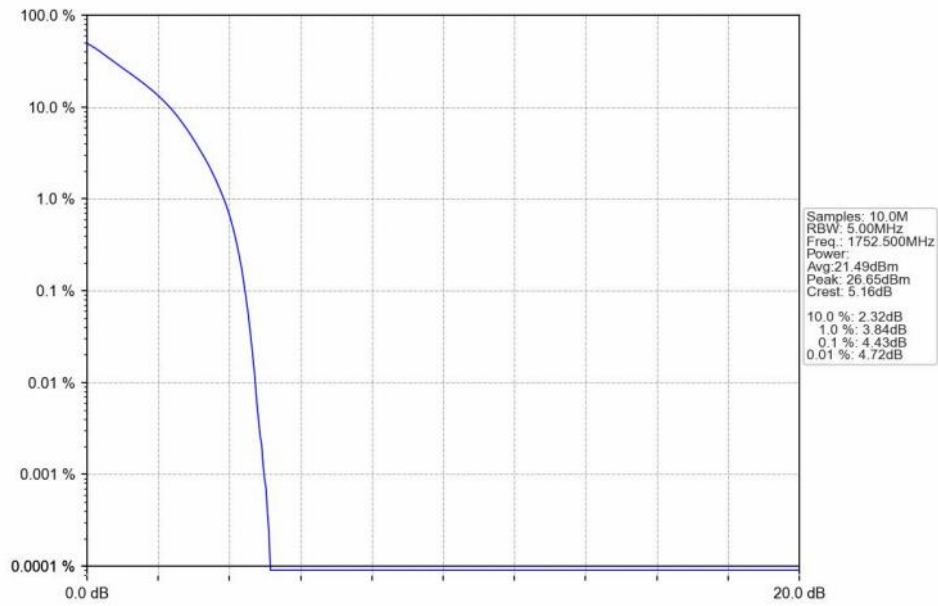
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



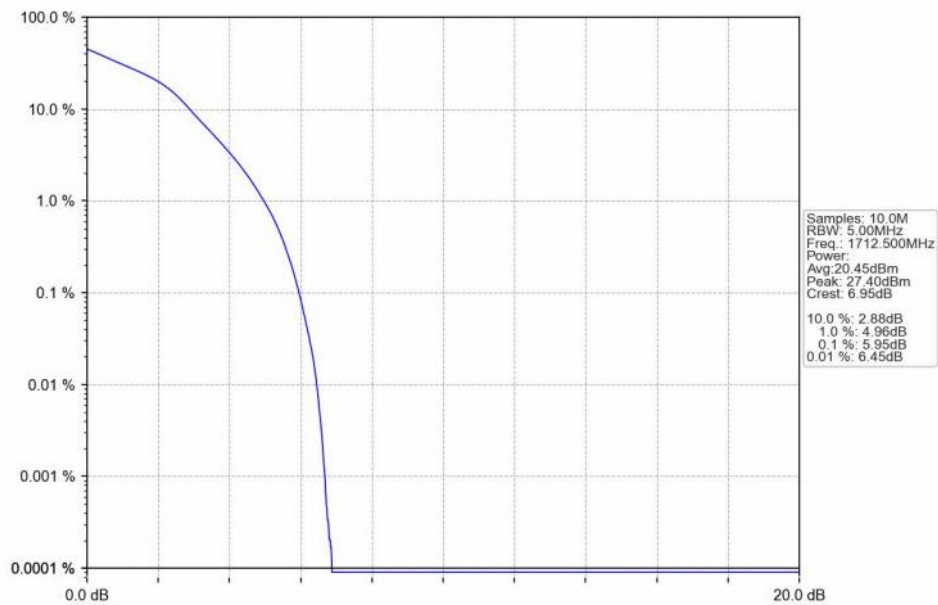
5.2.3 B4_5MHz



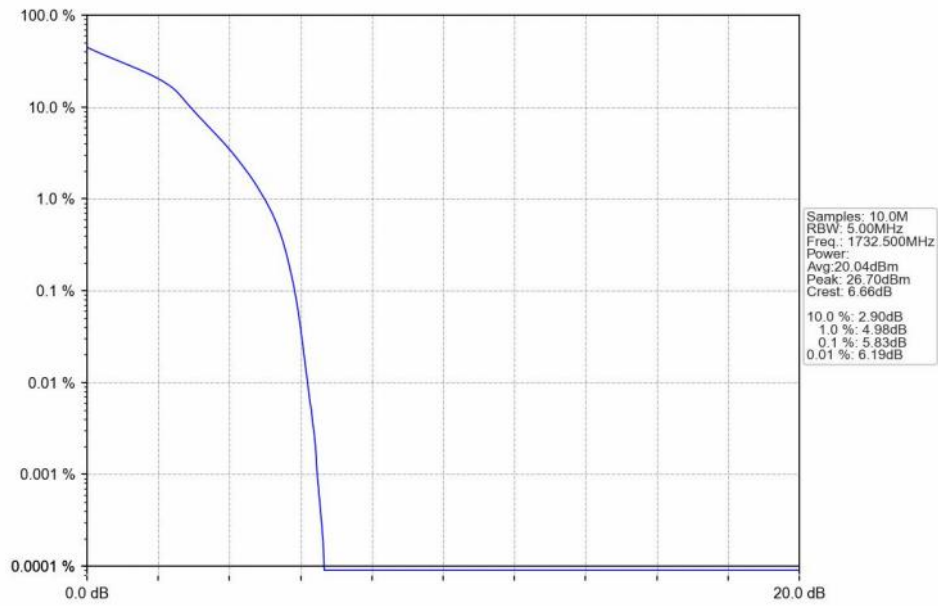
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



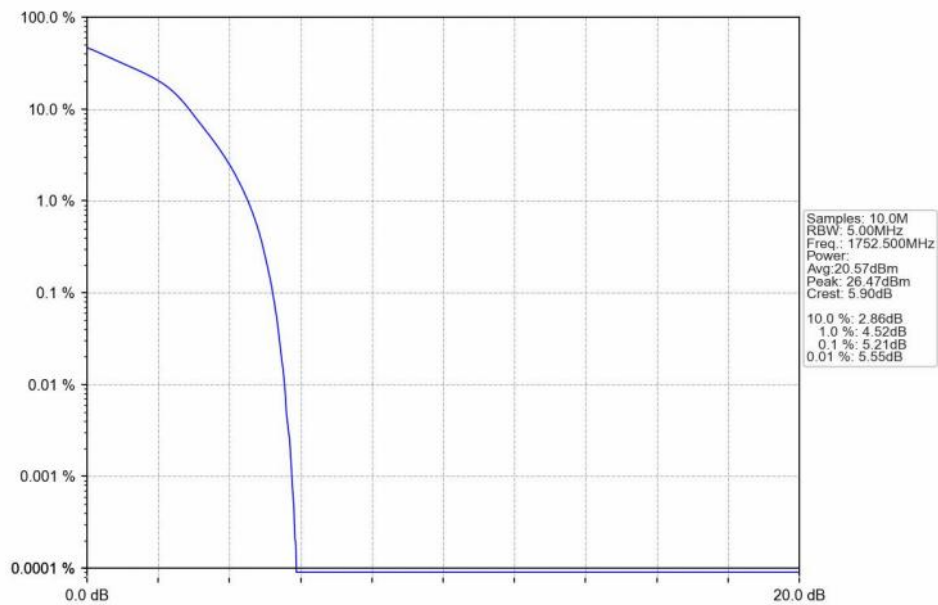
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



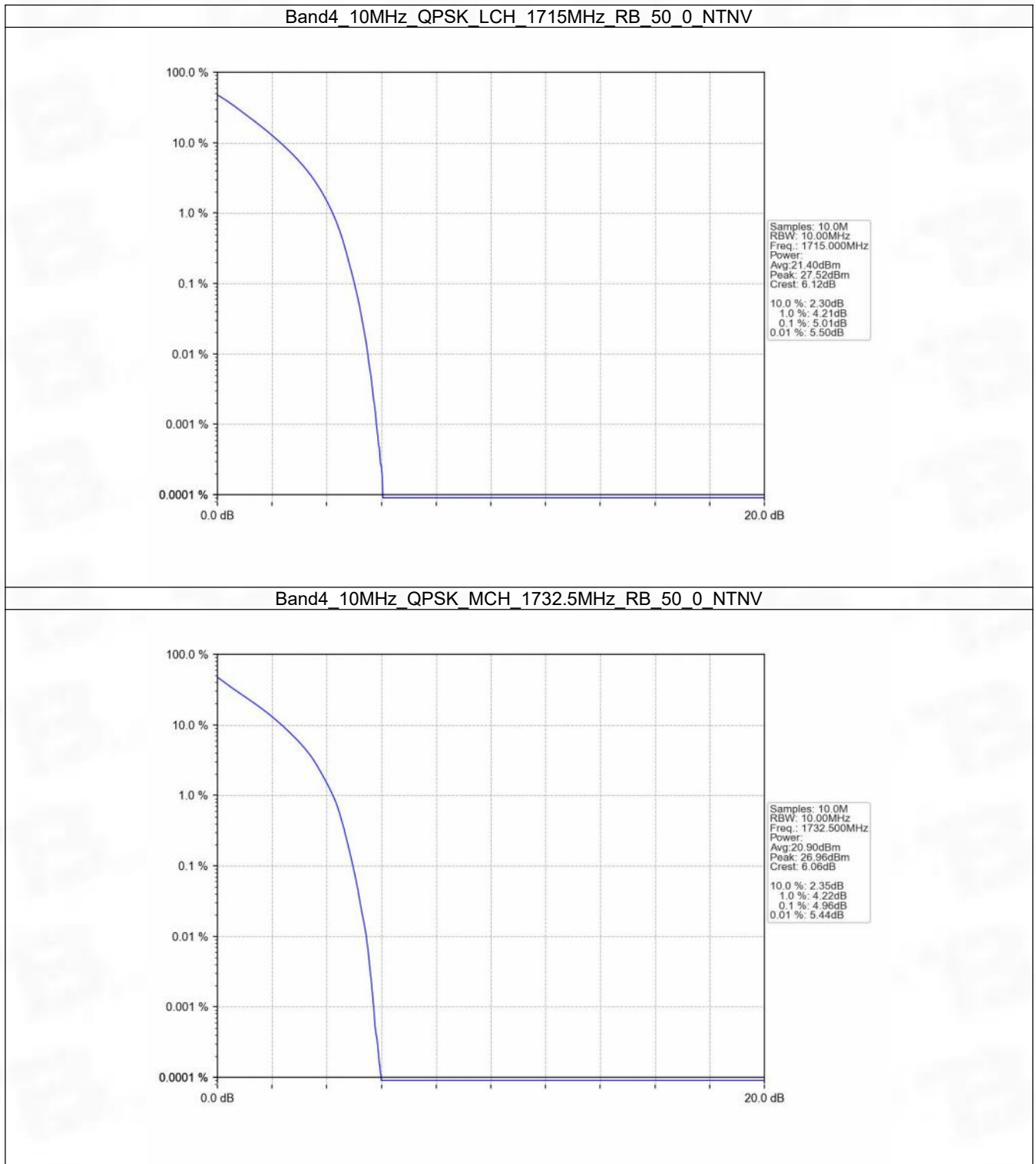
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



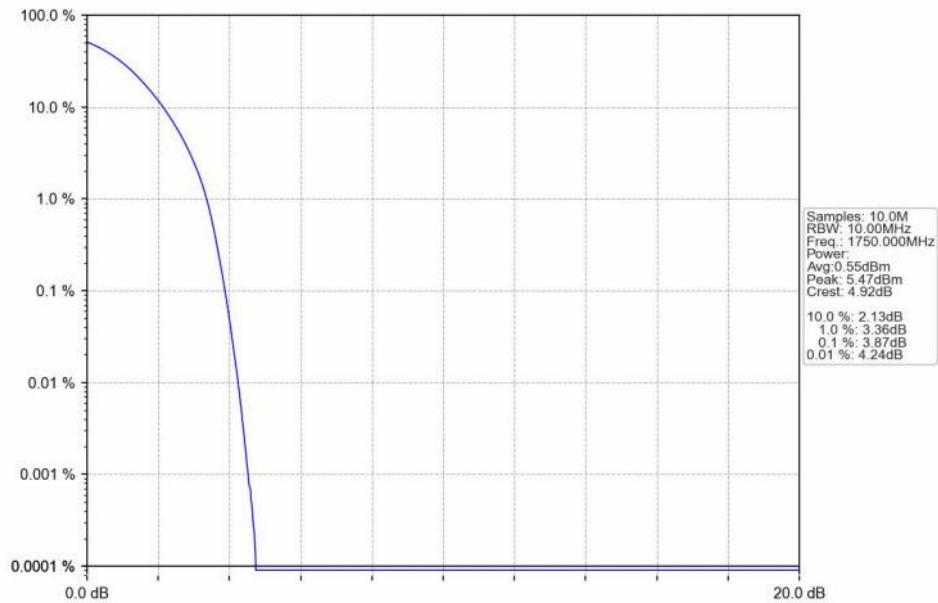
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



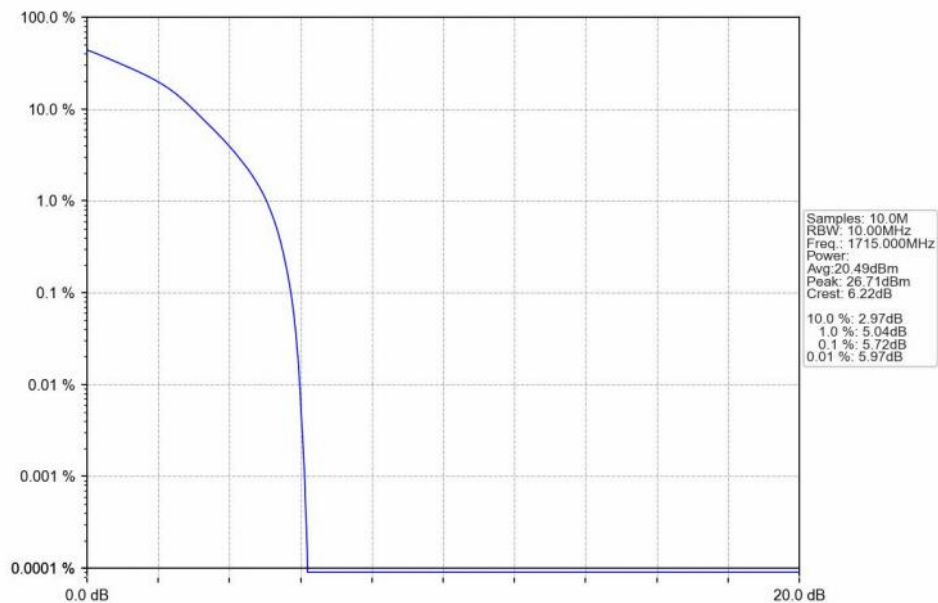
5.2.4 B4_10MHz



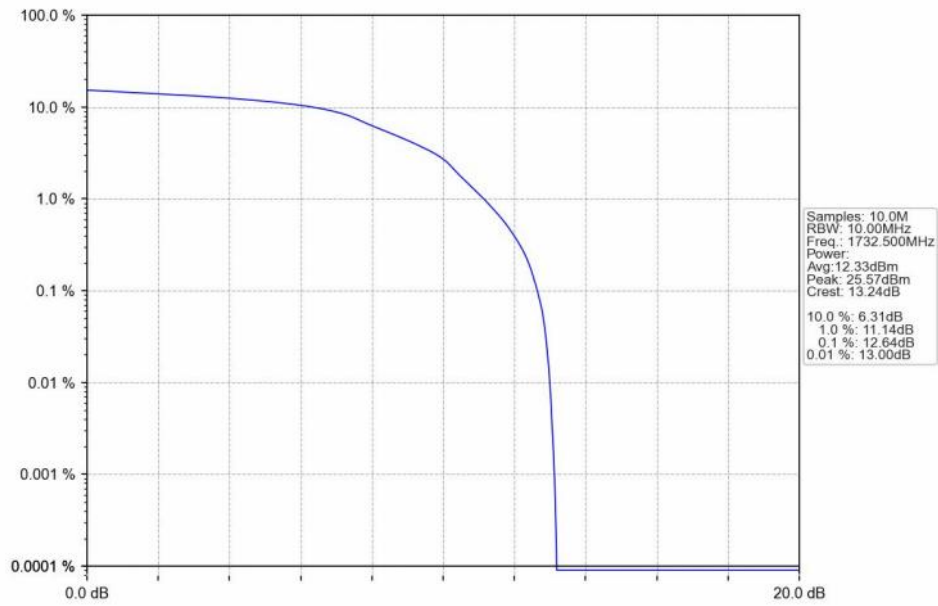
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



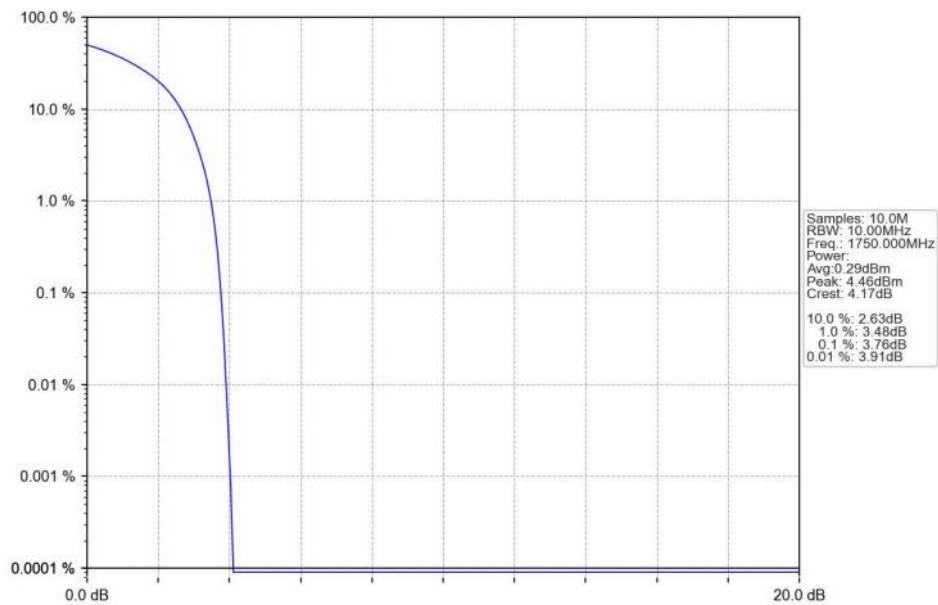
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



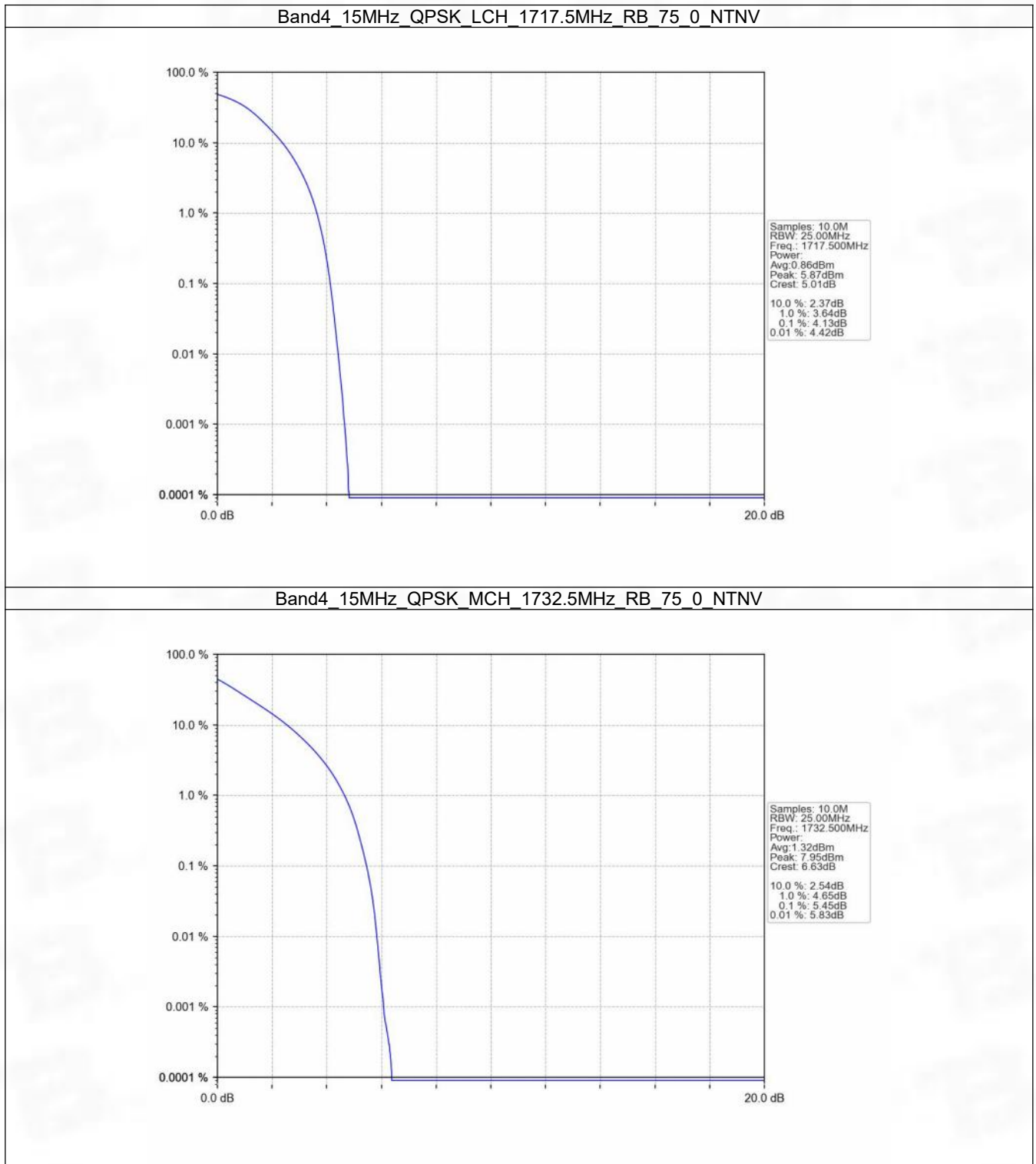
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



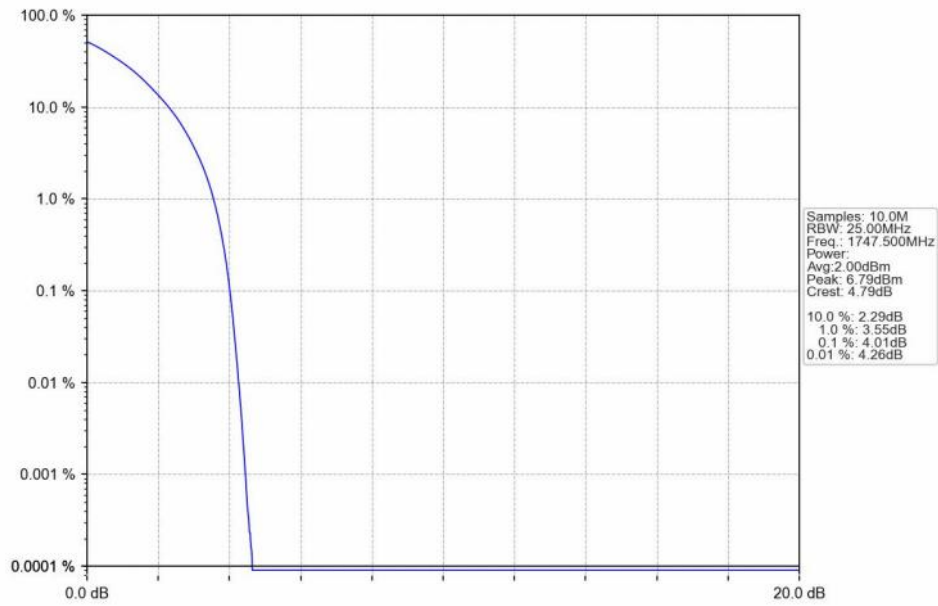
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



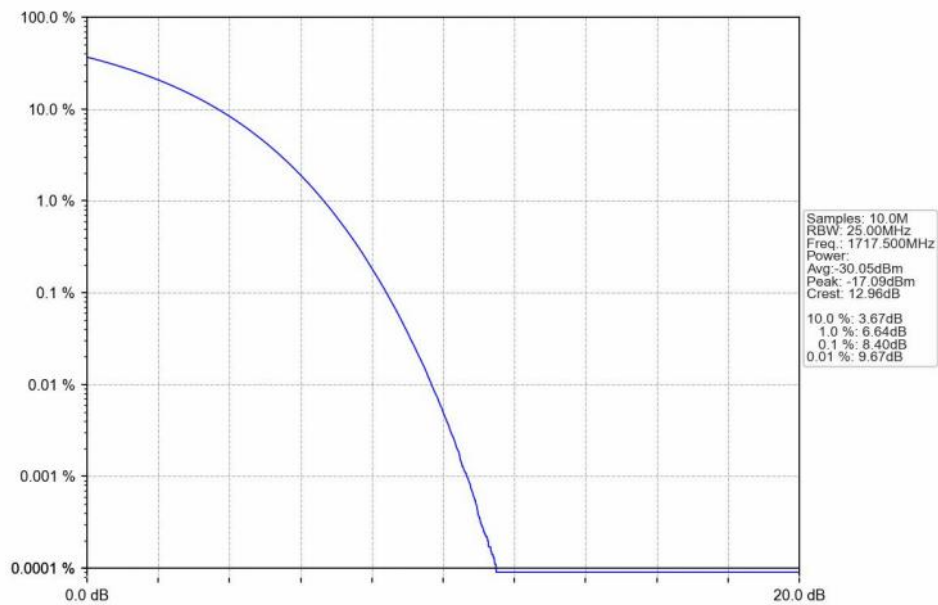
5.2.5 B4_15MHz



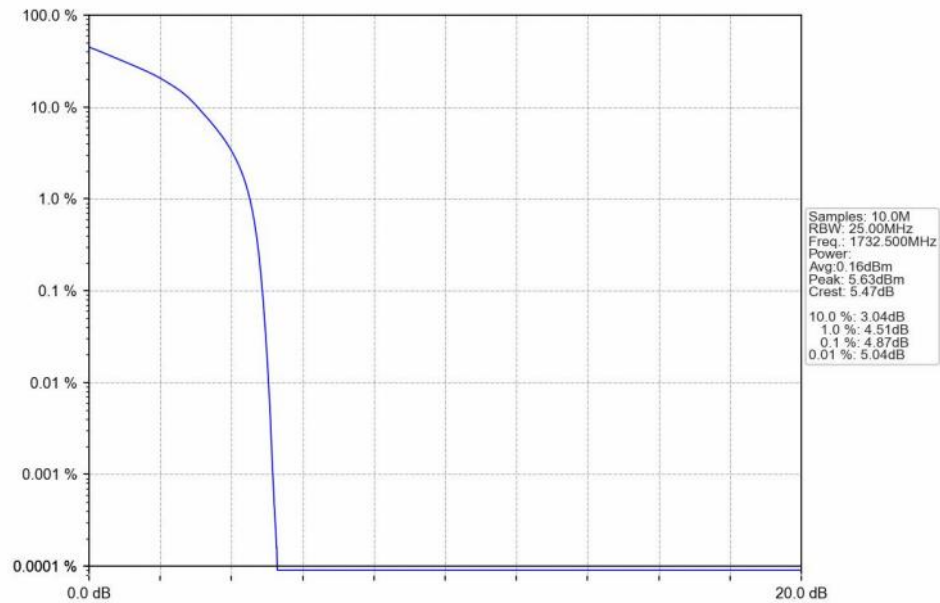
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



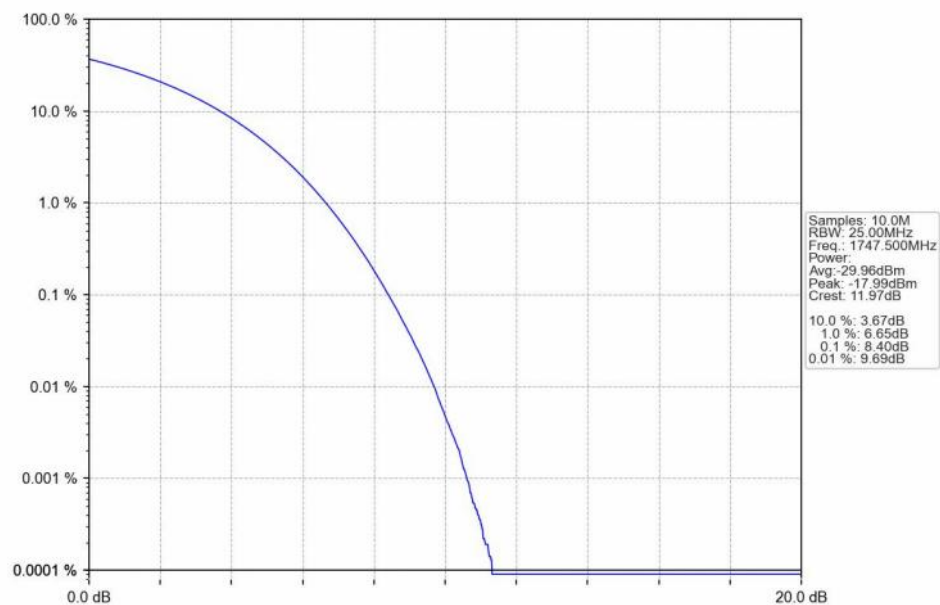
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



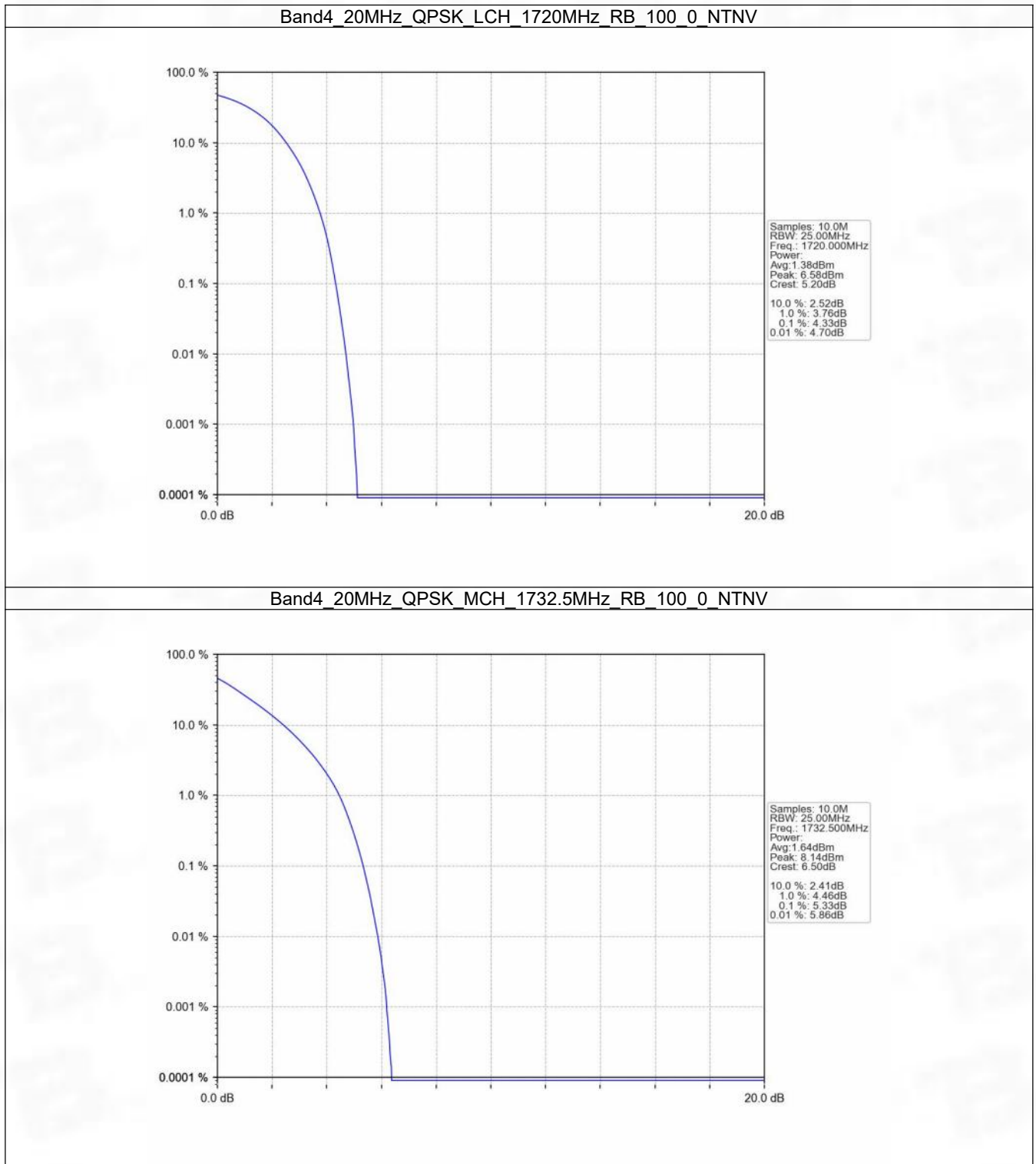
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



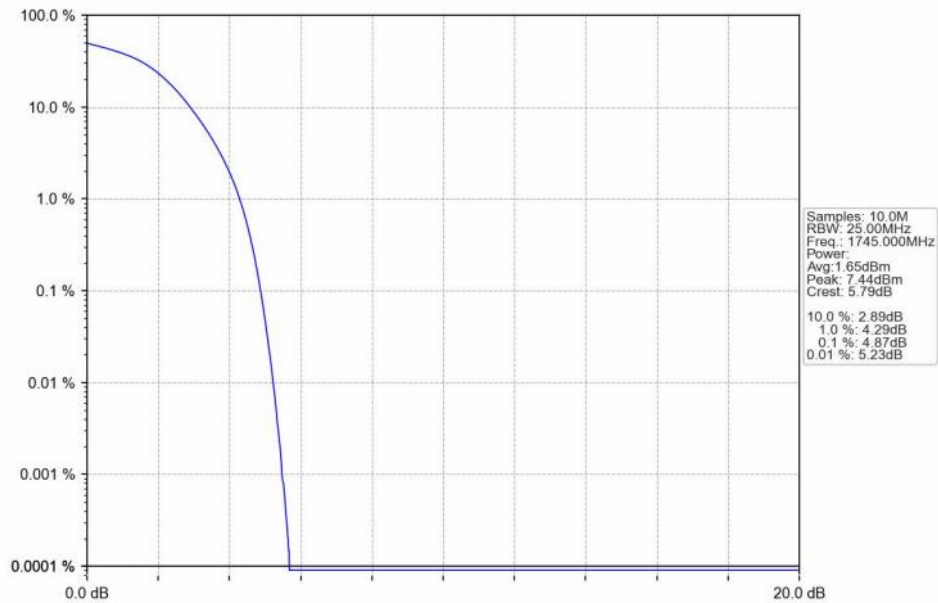
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



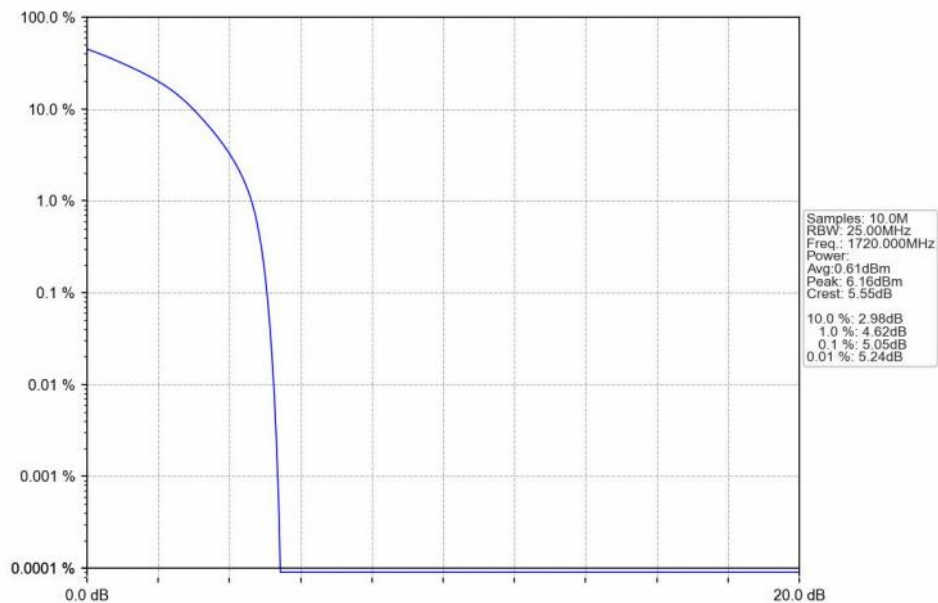
5.2.6 B4_20MHz



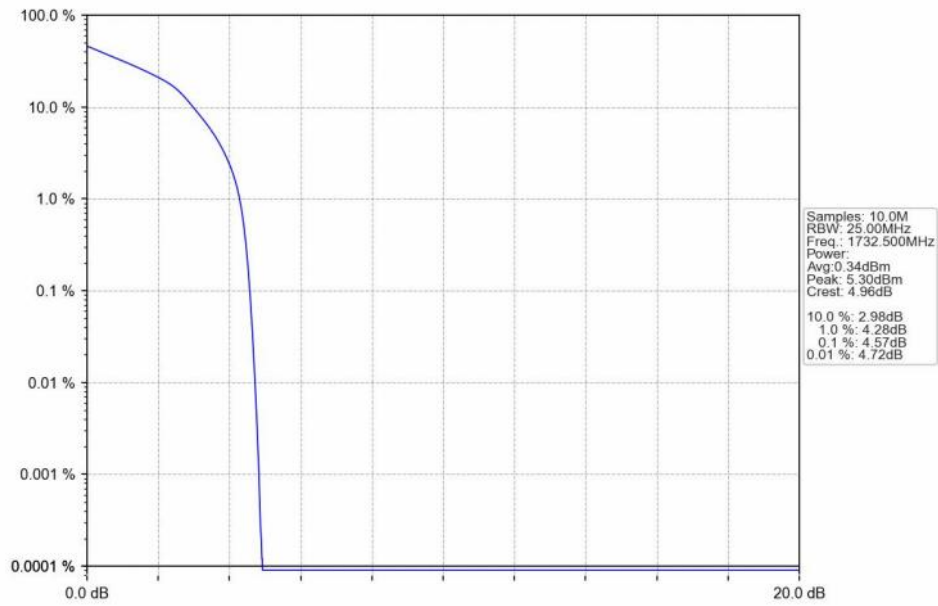
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



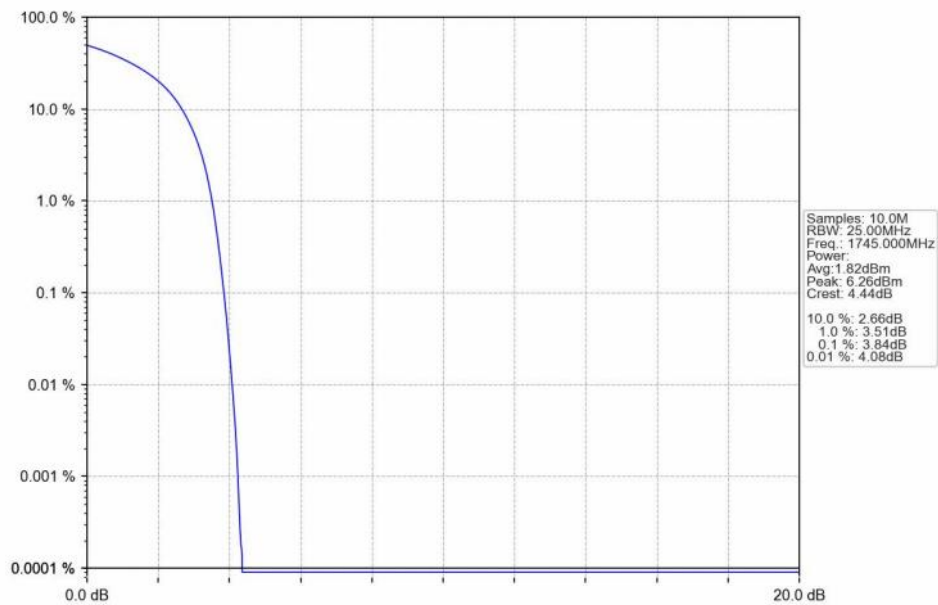
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
16QAM	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
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass

6.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
			14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
16QAM	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
		1	0	Refer To Test Graph	Pass
			14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass

6.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	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
		1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
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
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1715	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.5 B4_15MHz

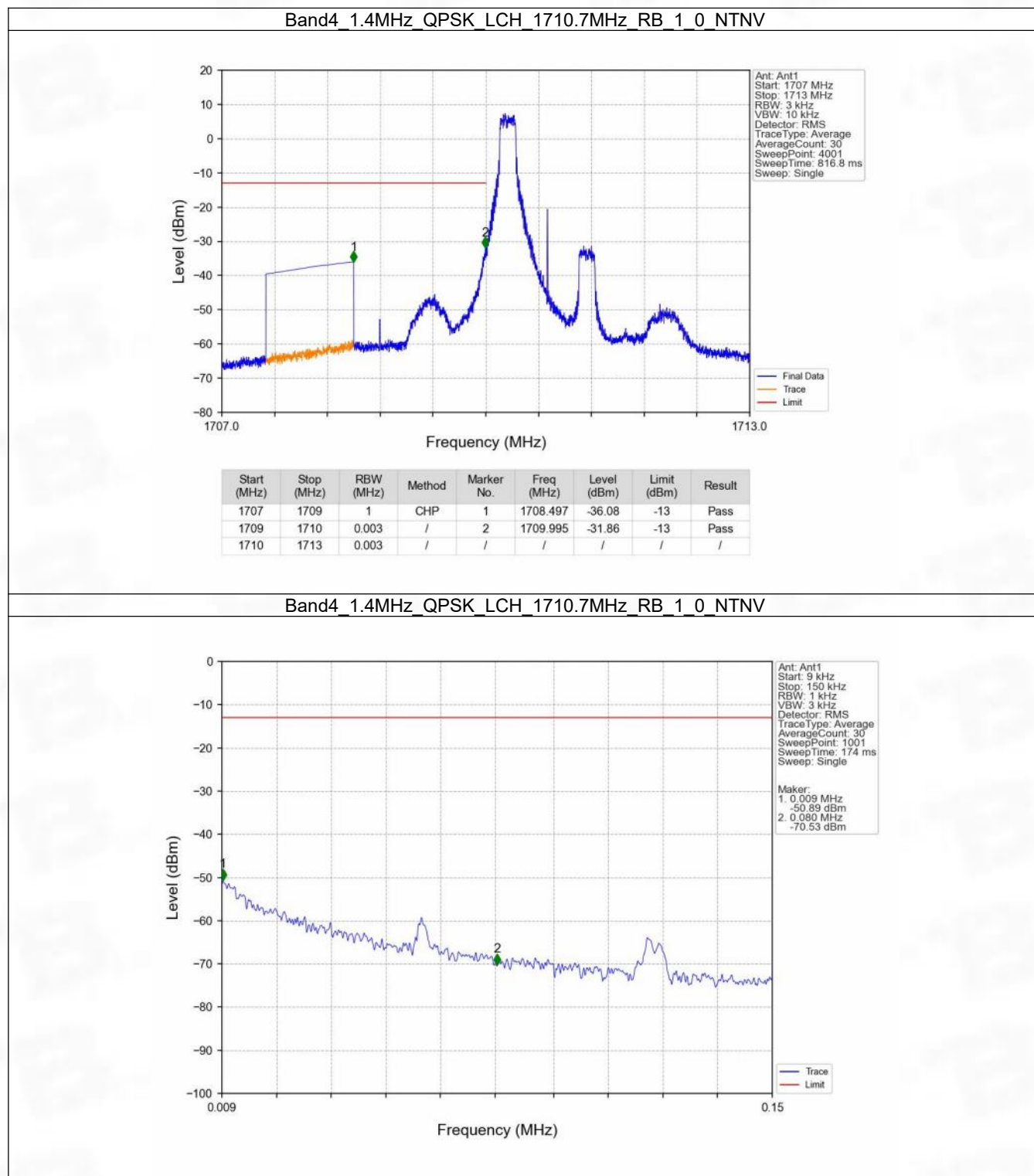
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1717.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.6 B4_20MHz

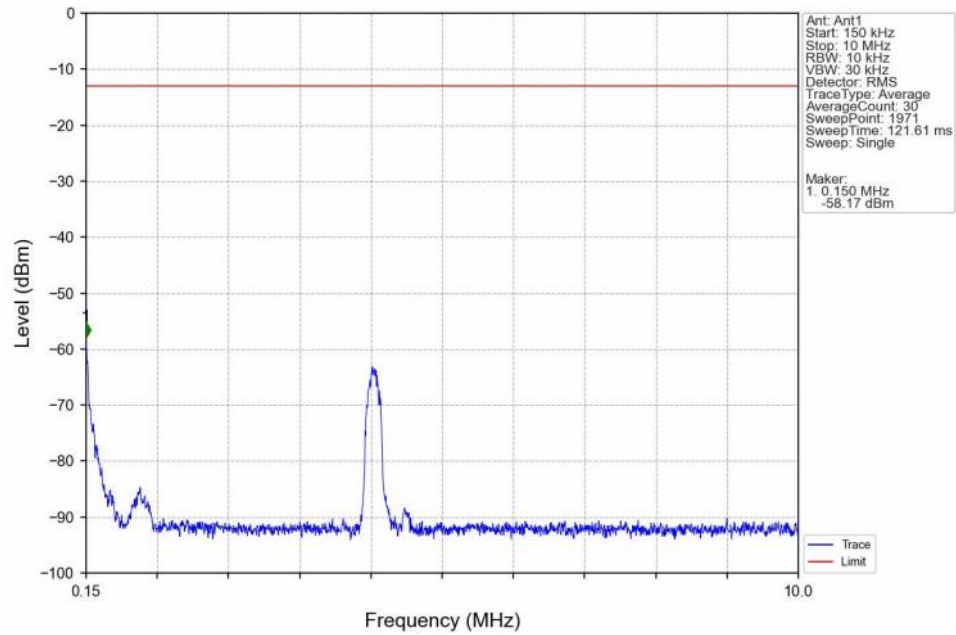
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1720	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.2 Test Graph

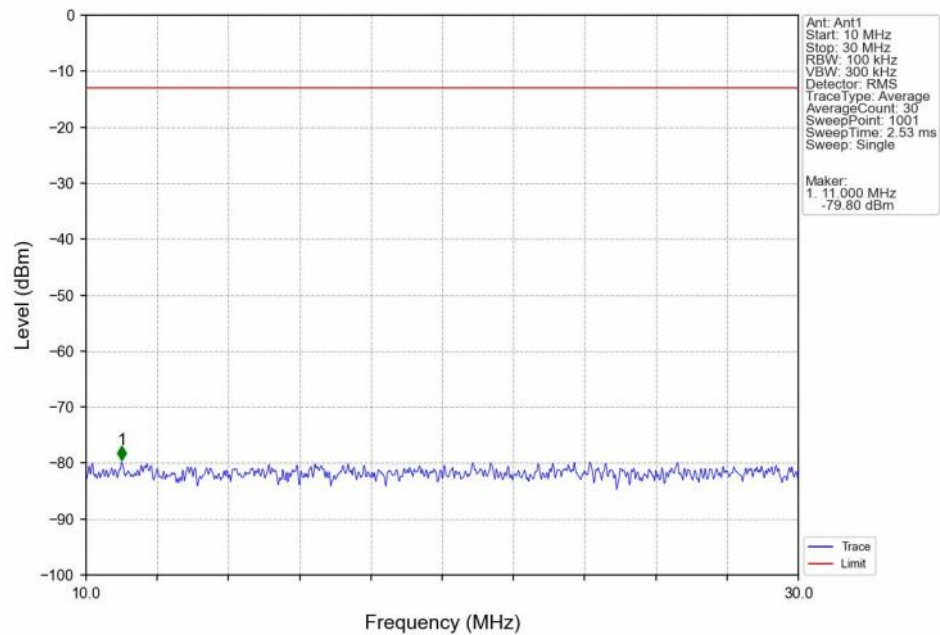
6.2.1 B4_1.4MHz



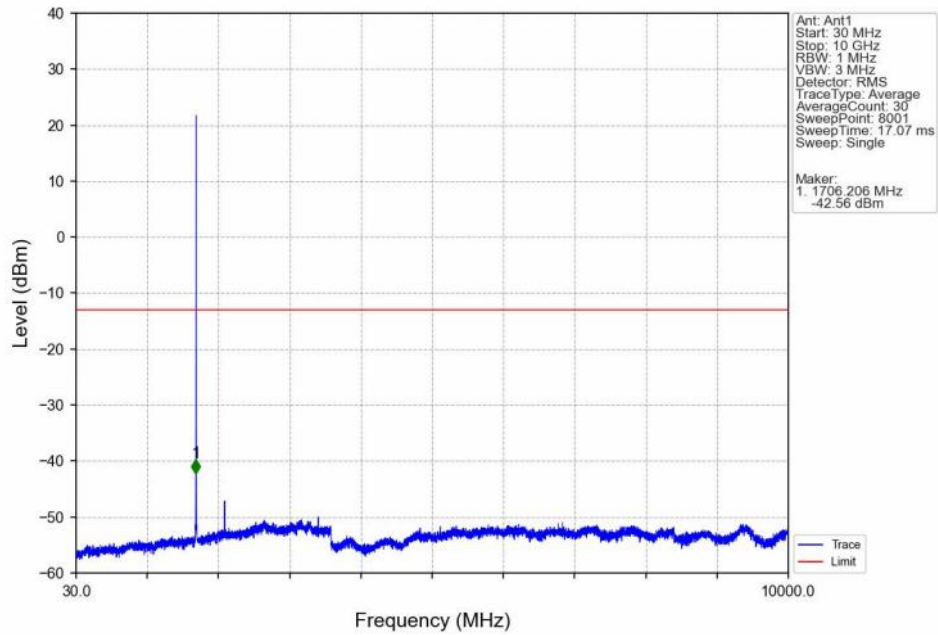
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



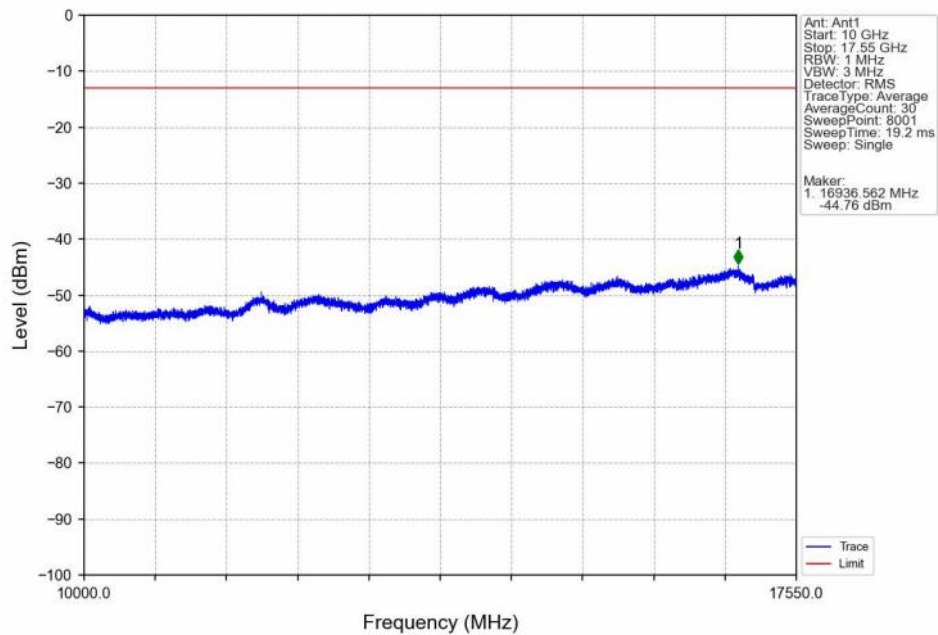
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



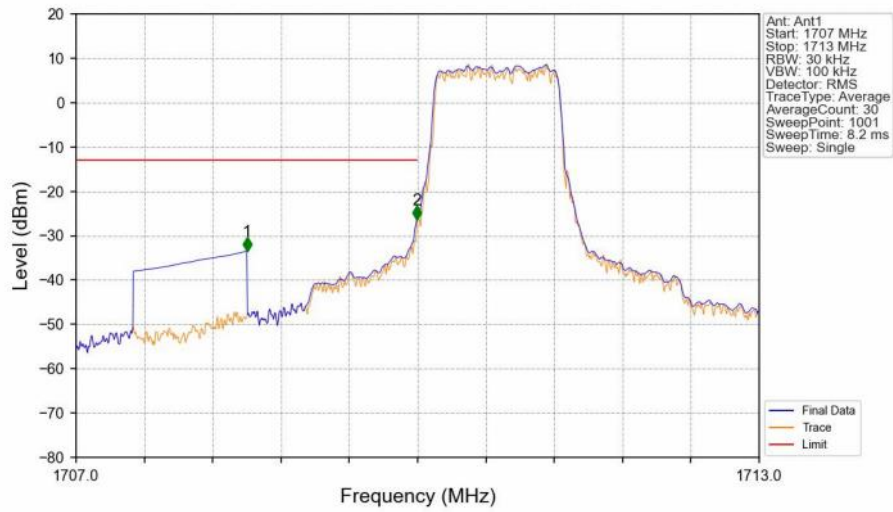
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

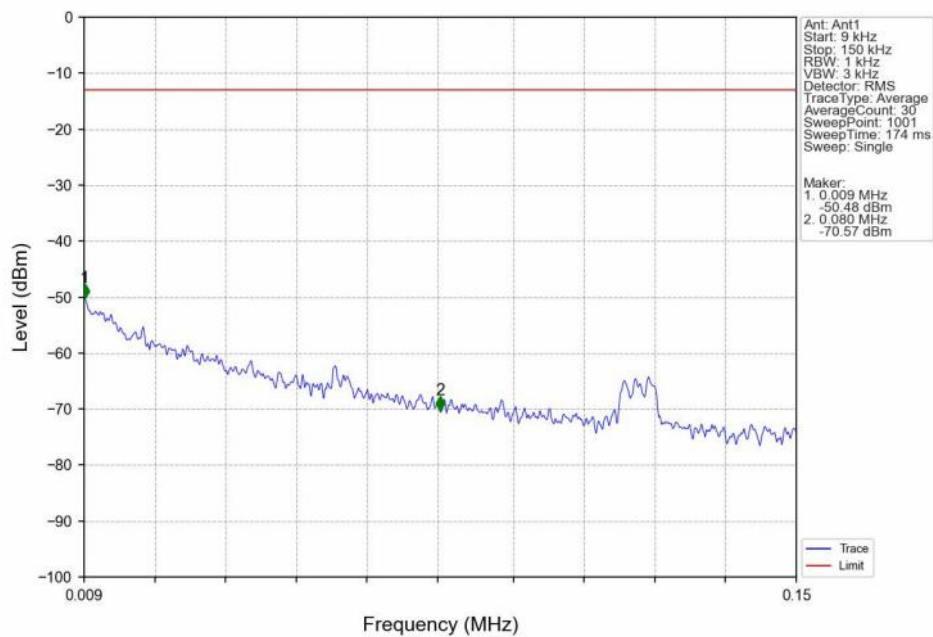


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

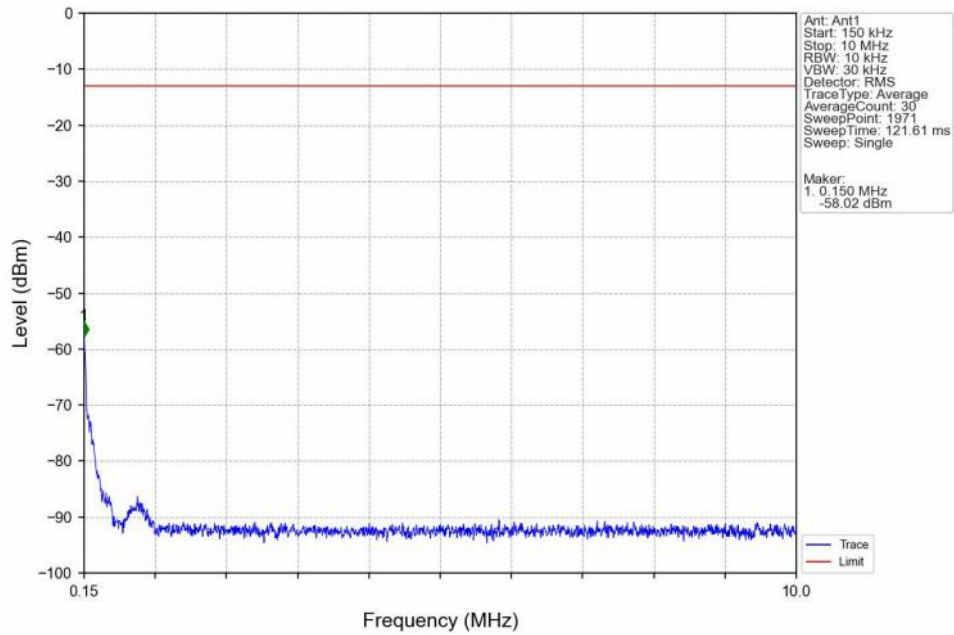


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-33.52	-13	Pass
1709	1710	0.042	CHP	2	1709.994	-26.45	-13	Pass
1710	1713	0.042	CHP	/	/	/	/	/

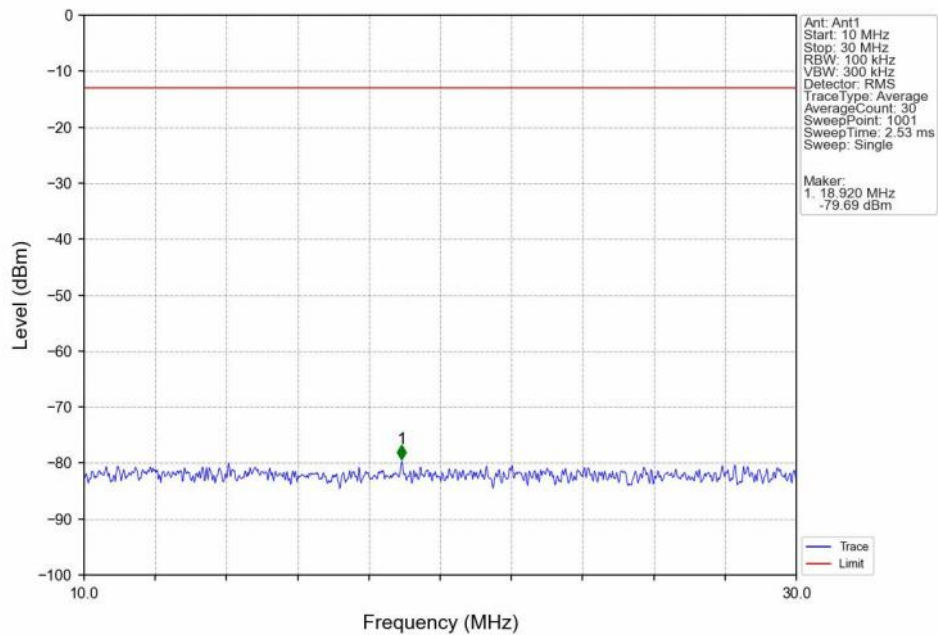
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



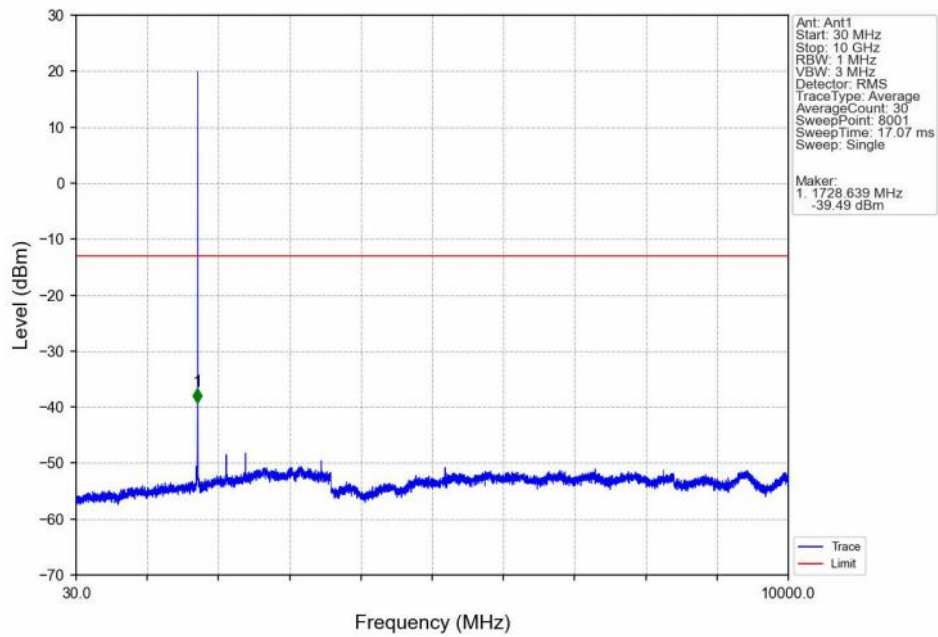
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



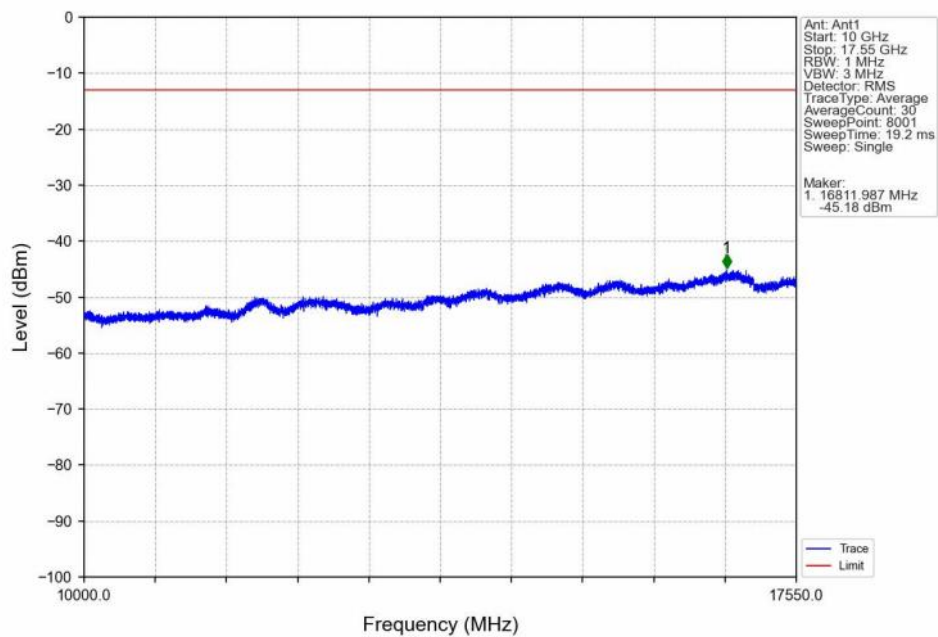
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



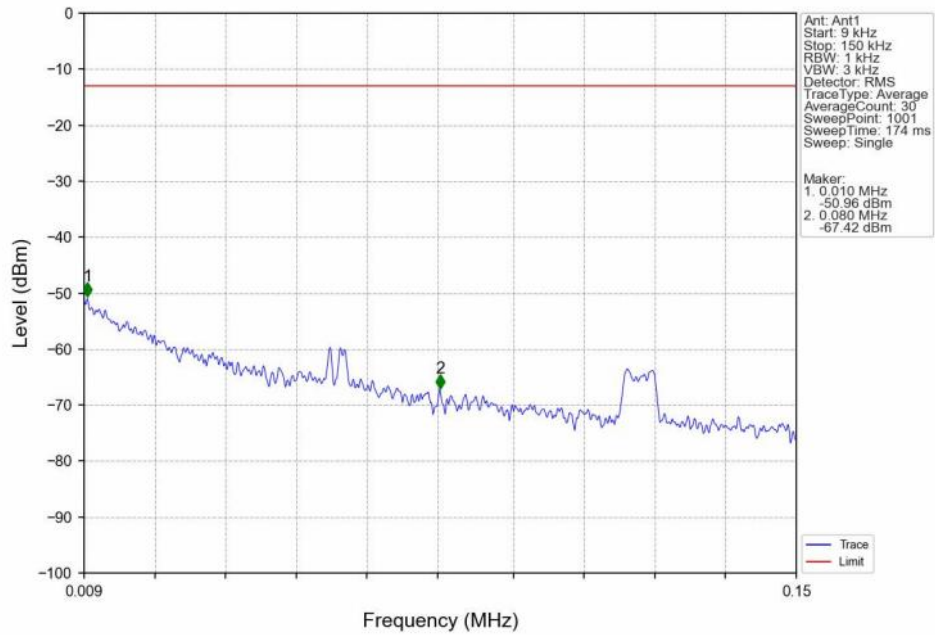
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



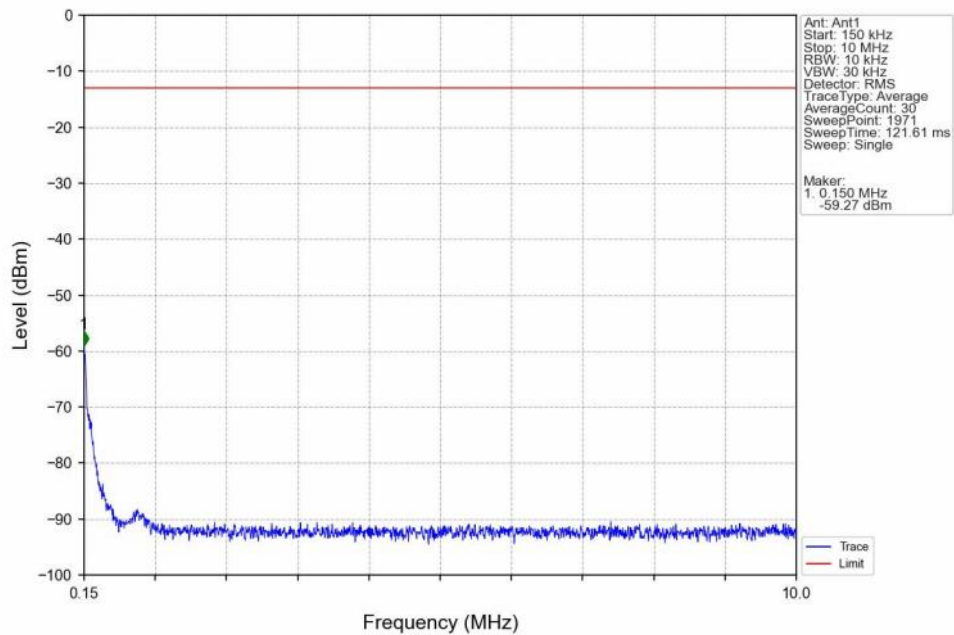
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



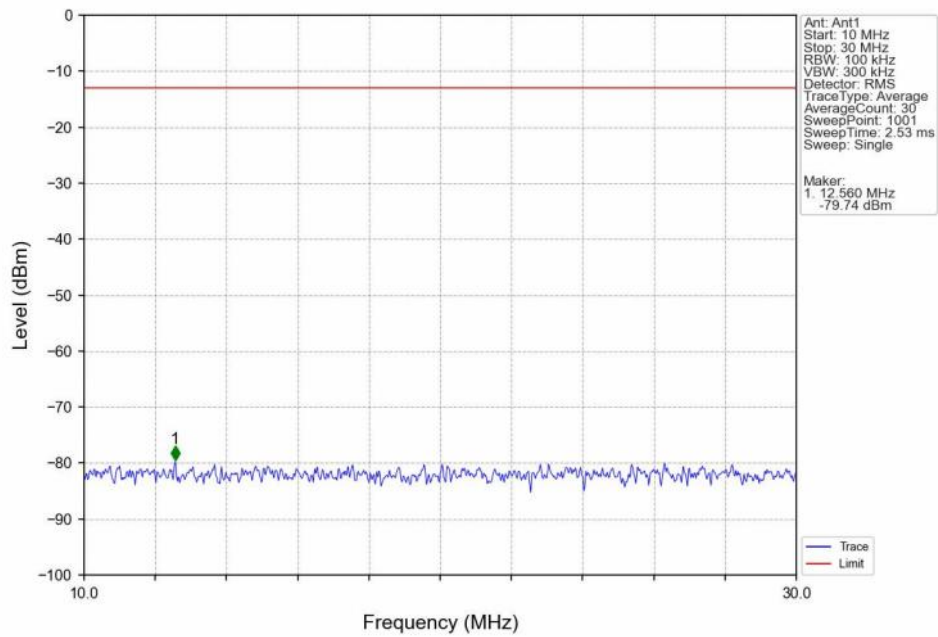
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



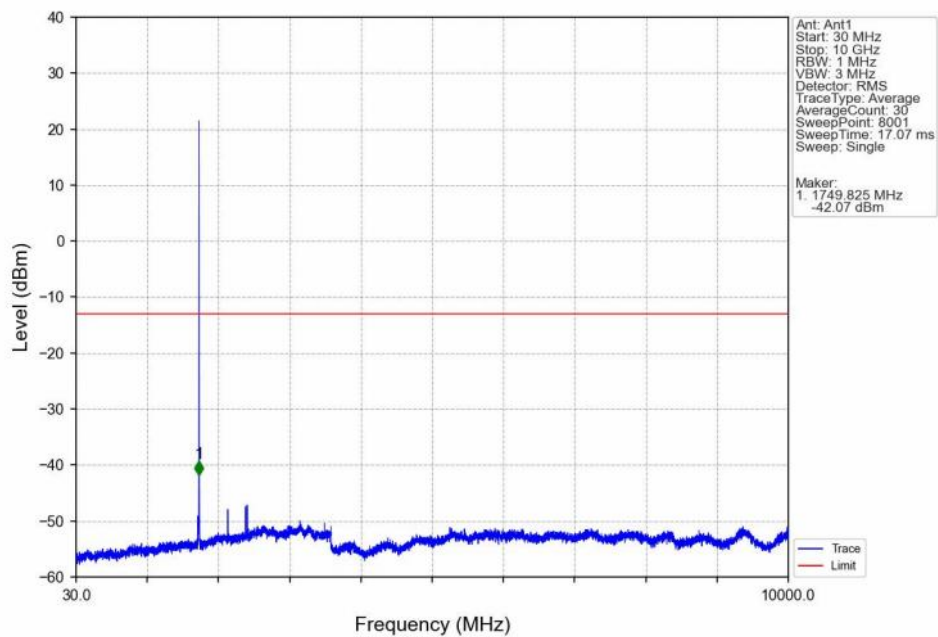
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



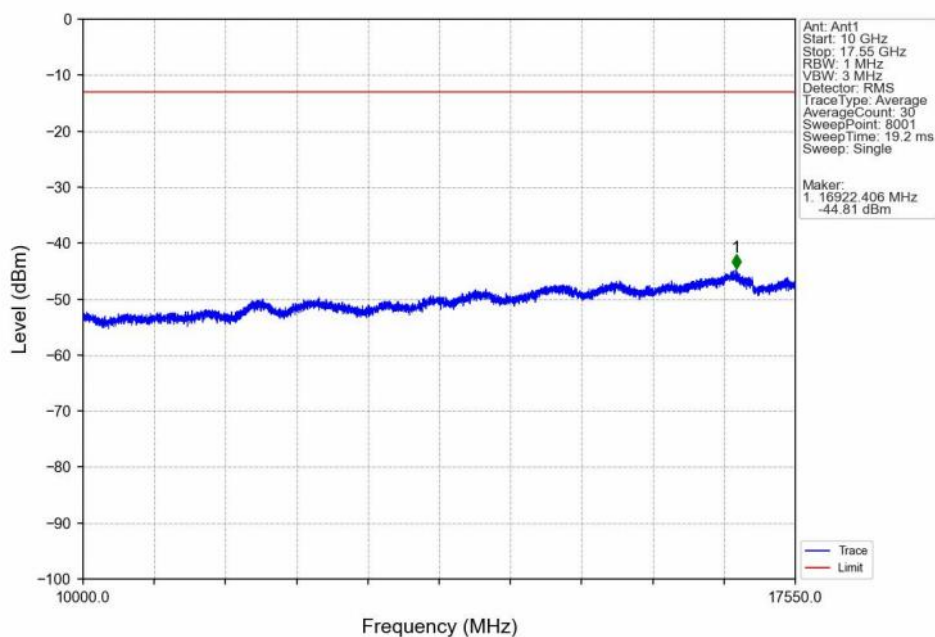
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



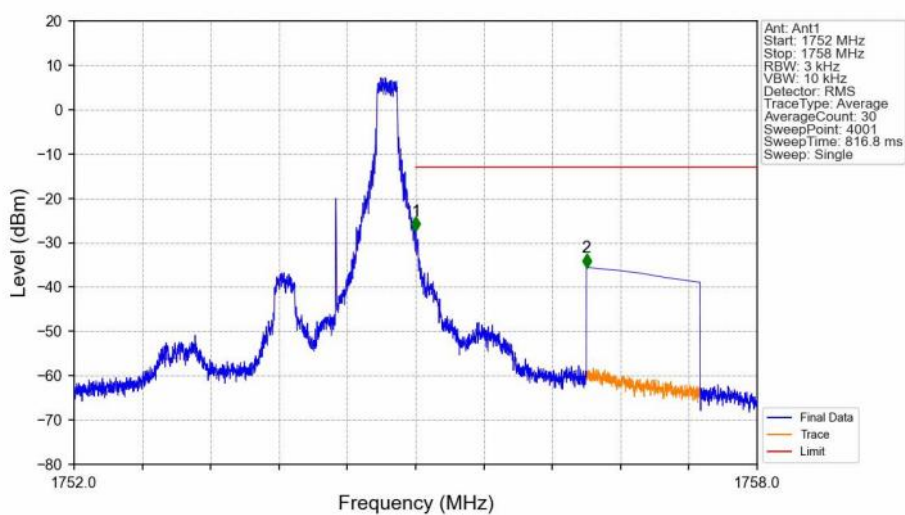
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

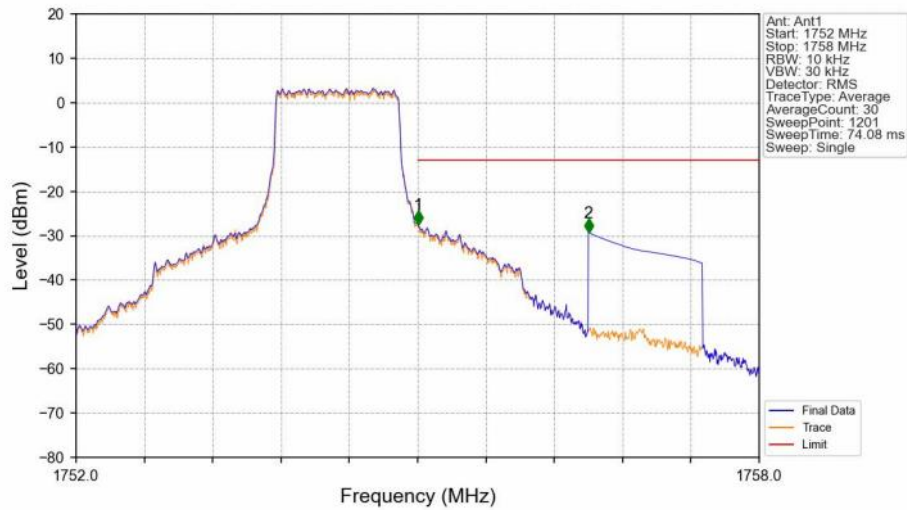


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



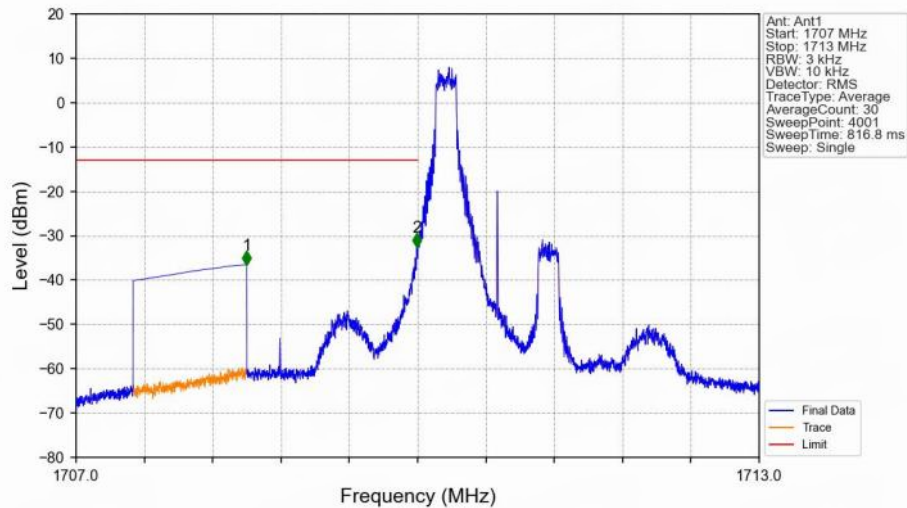
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-27.37	-13	Pass
1756	1758	1	CHP	2	1756.500	-35.59	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



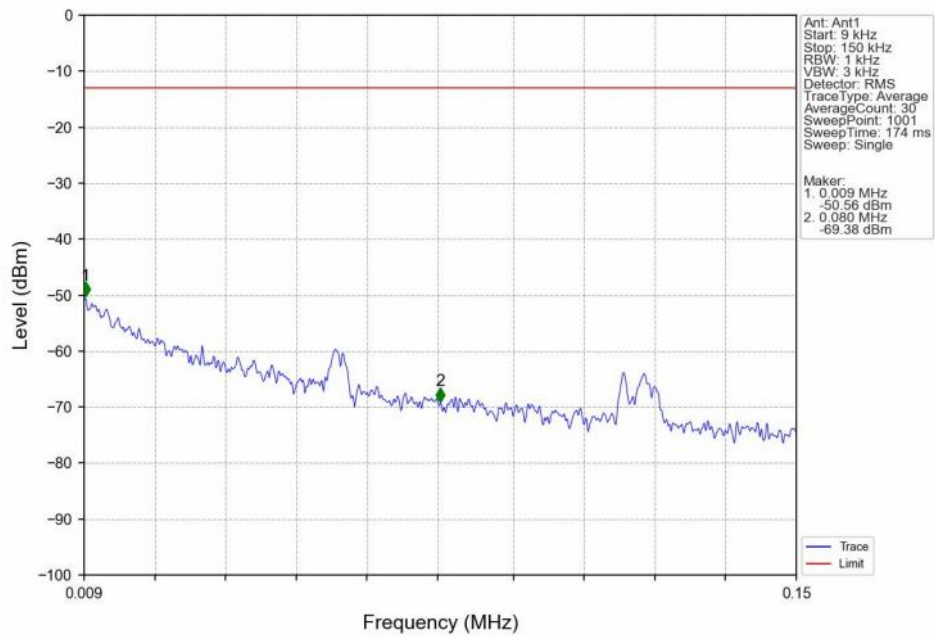
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.005	-27.50	-13	Pass
1756	1758	1	CHP	2	1756.500	-29.30	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

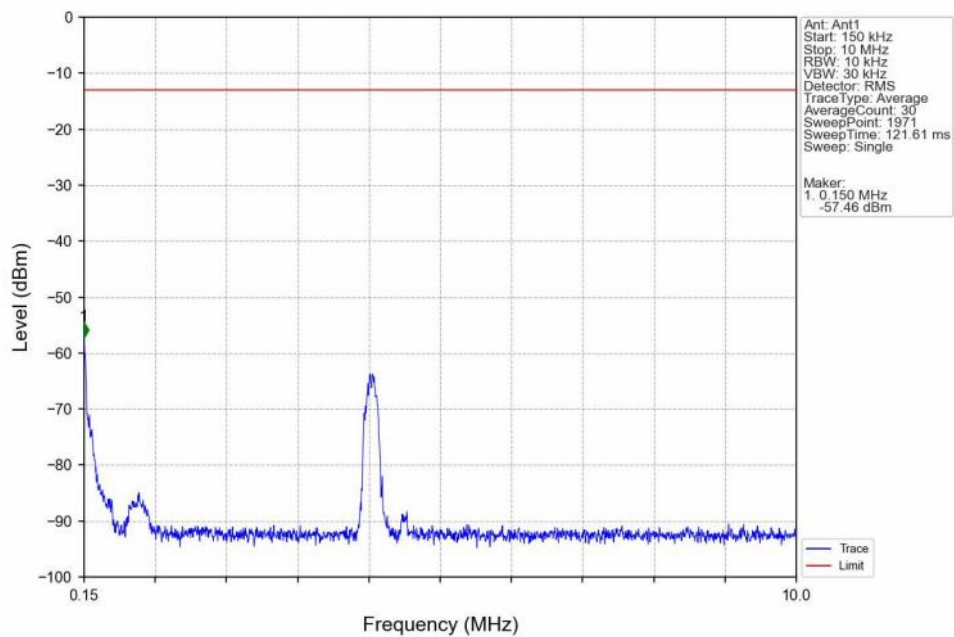


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-36.55	-13	Pass
1709	1710	0.003	/	2	1709.993	-32.63	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

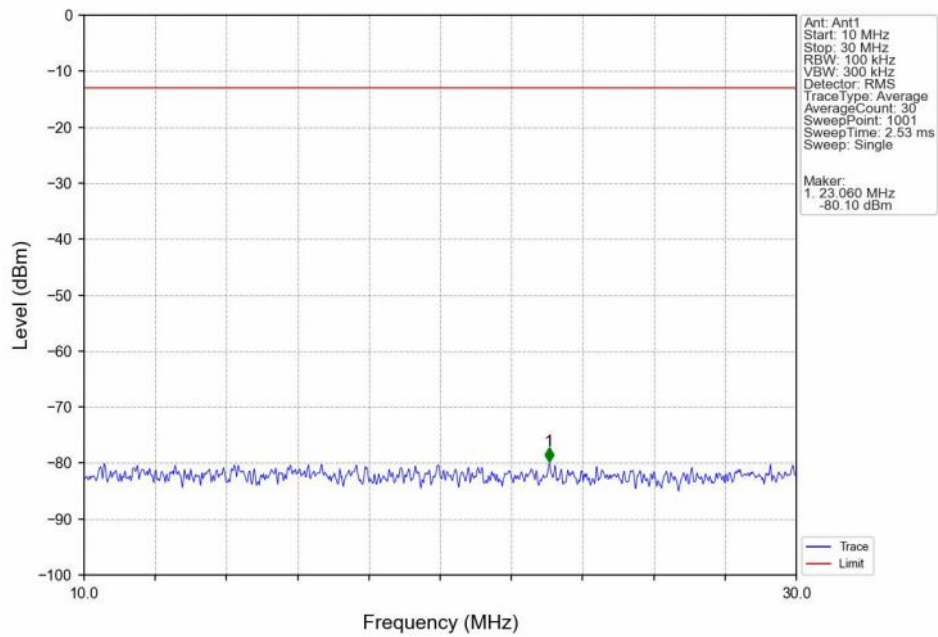
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



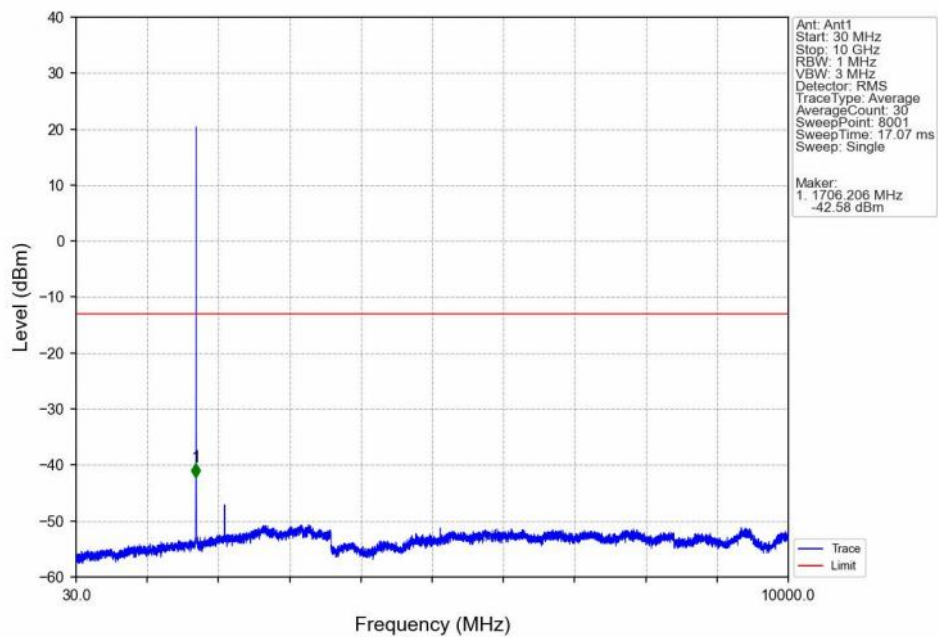
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



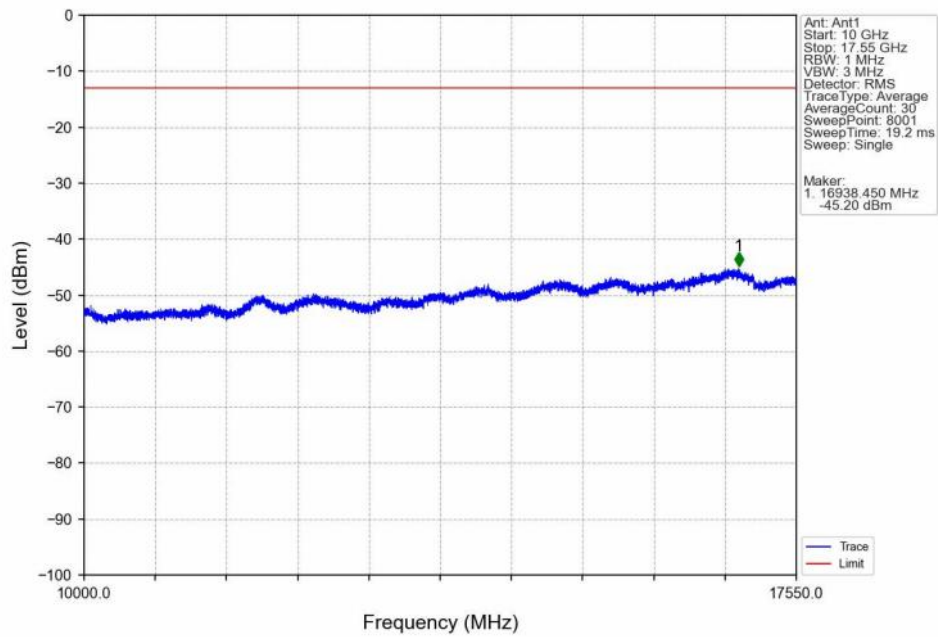
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



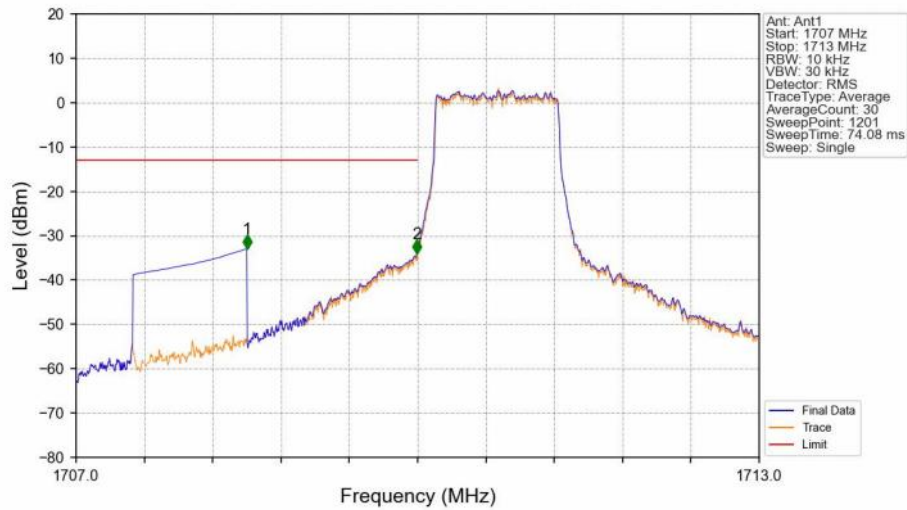
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

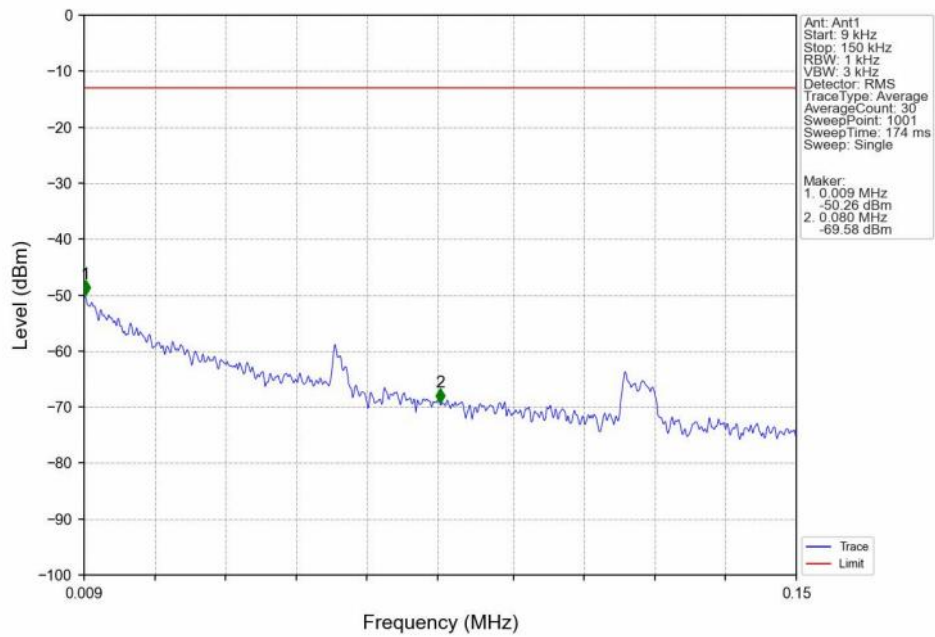


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

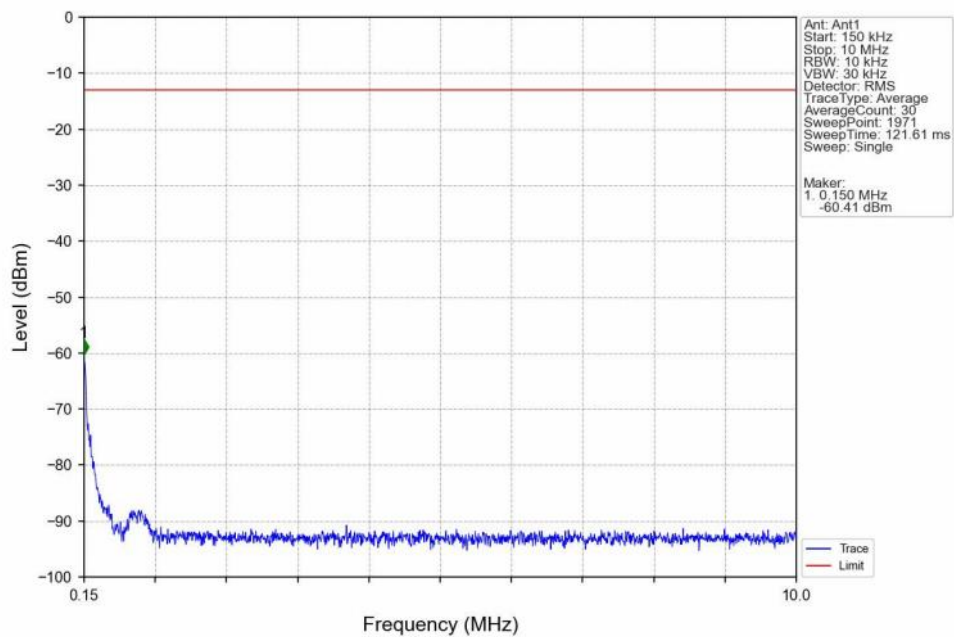


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-32.96	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-34.00	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

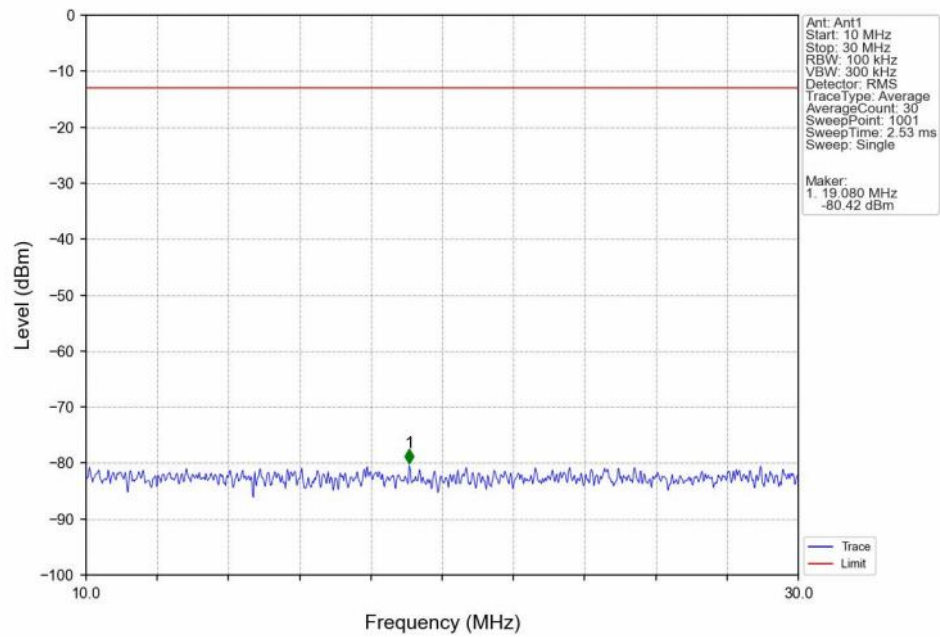
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



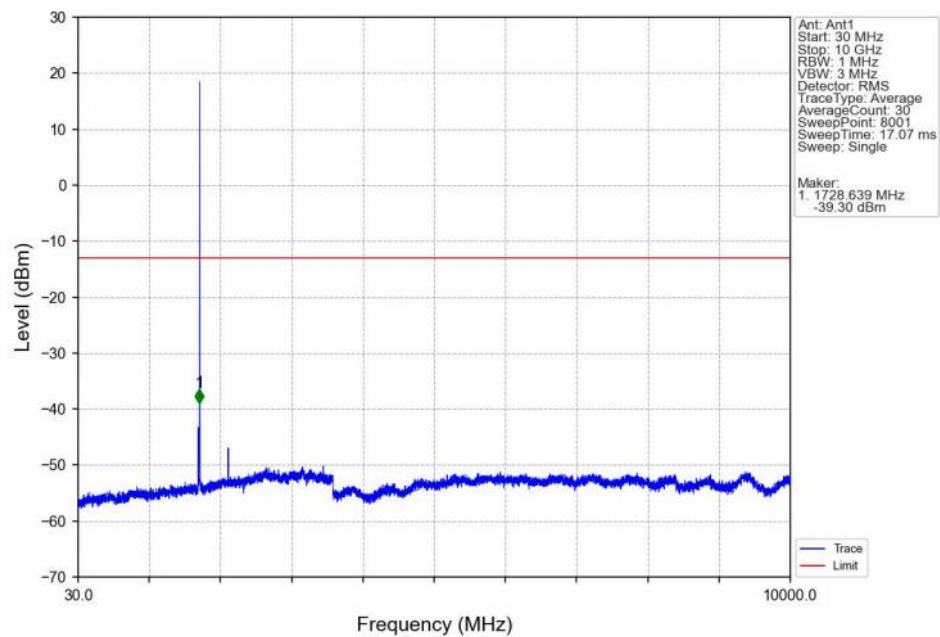
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



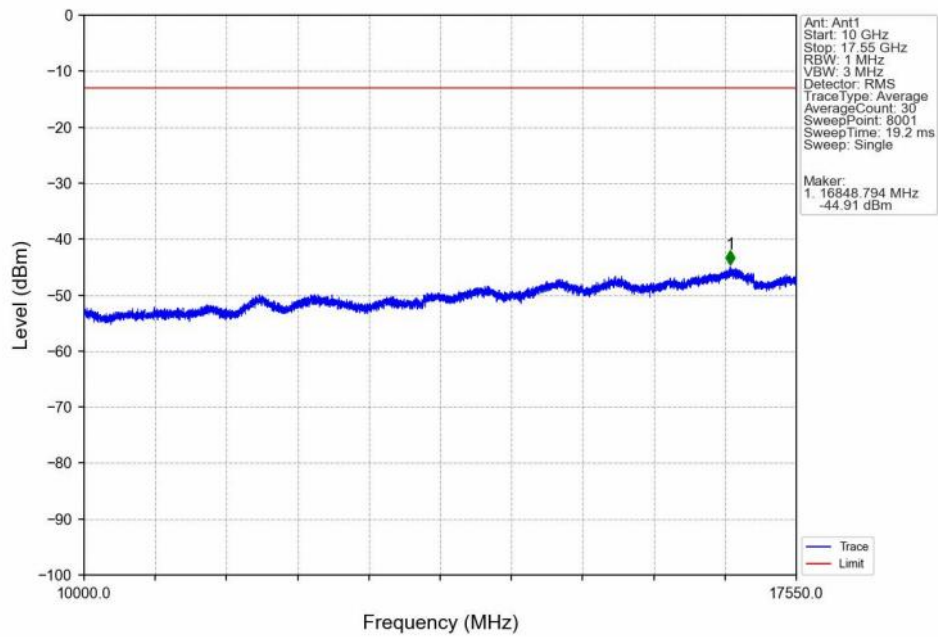
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



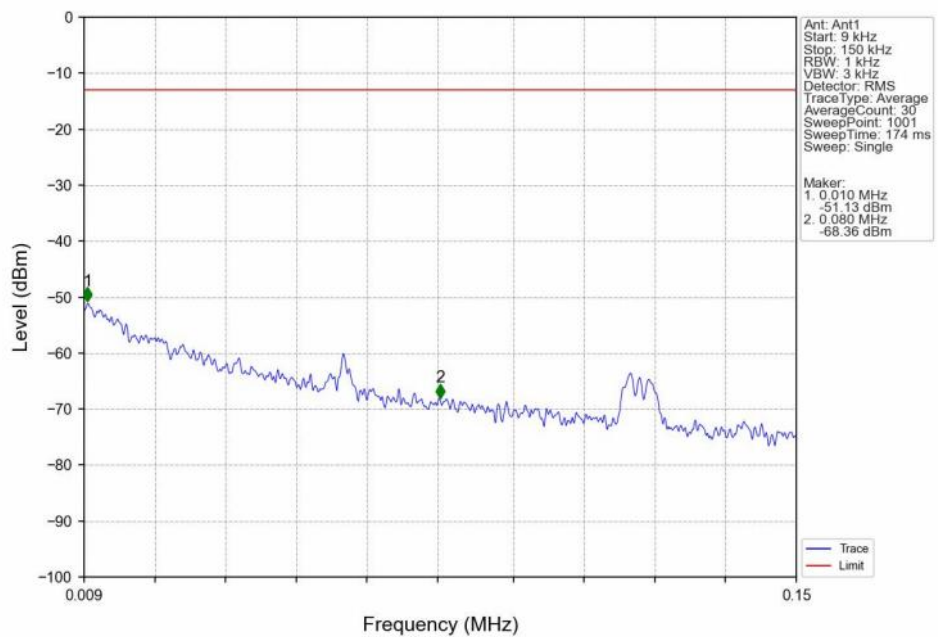
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



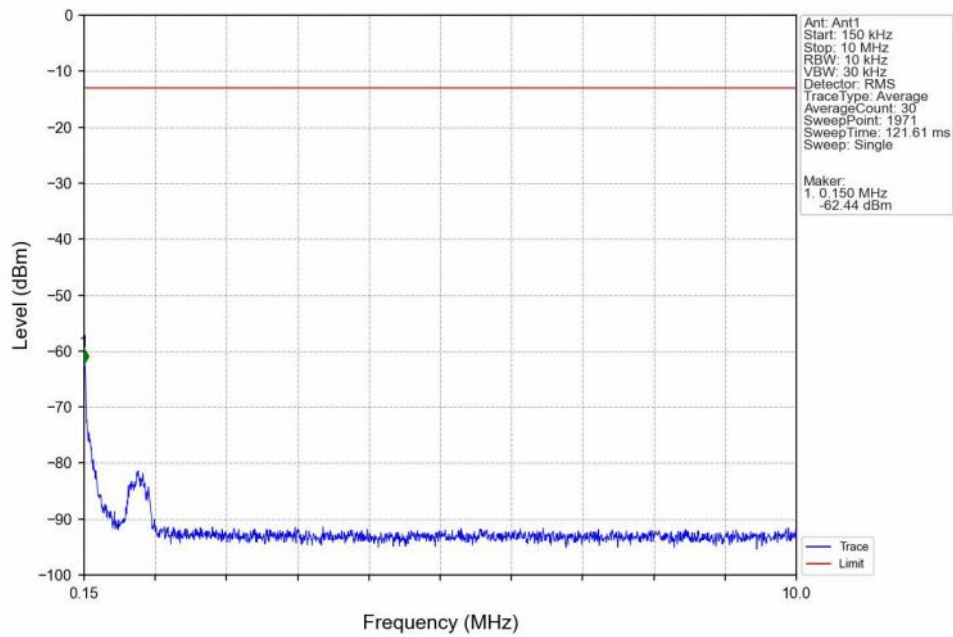
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



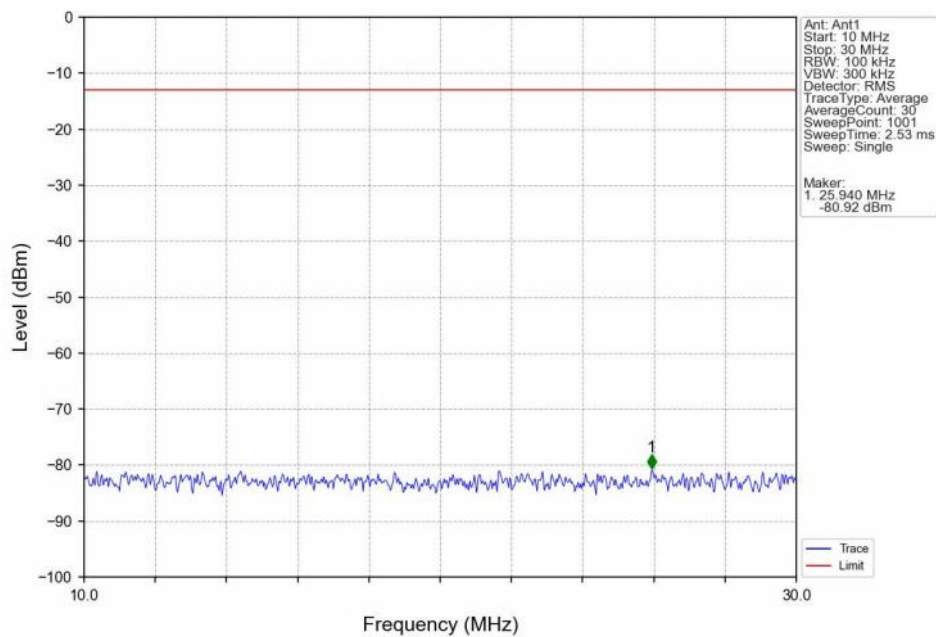
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



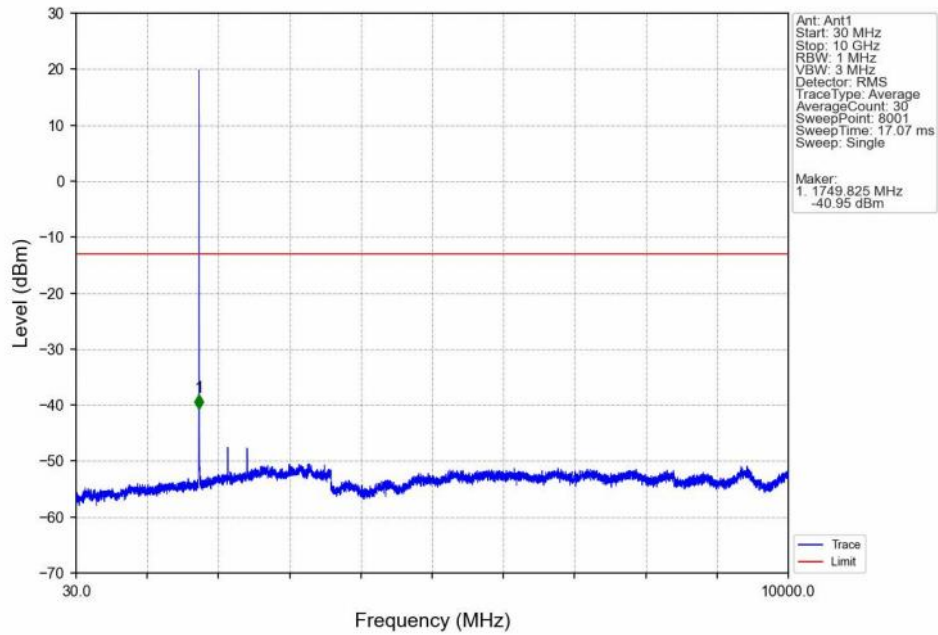
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



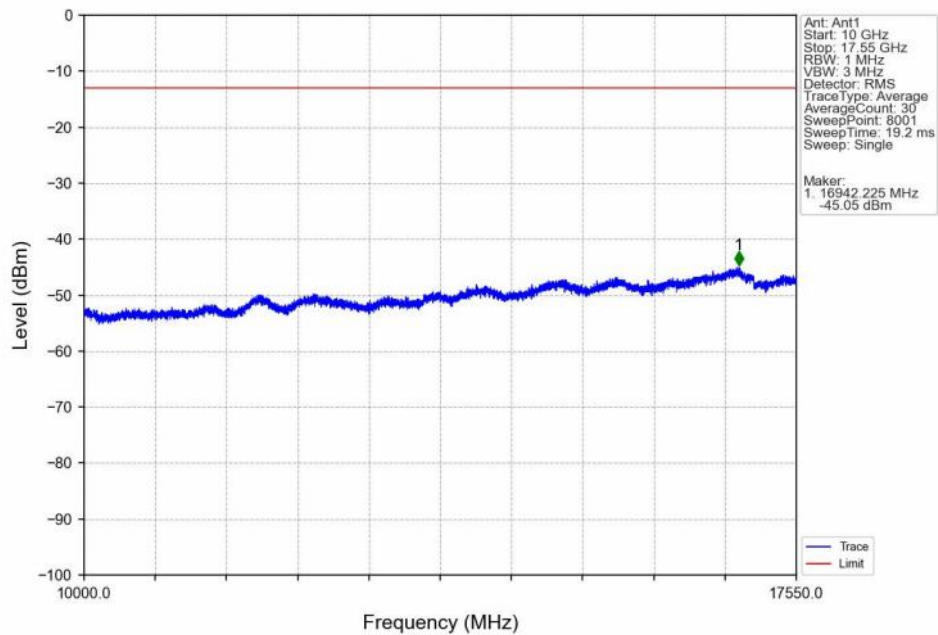
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



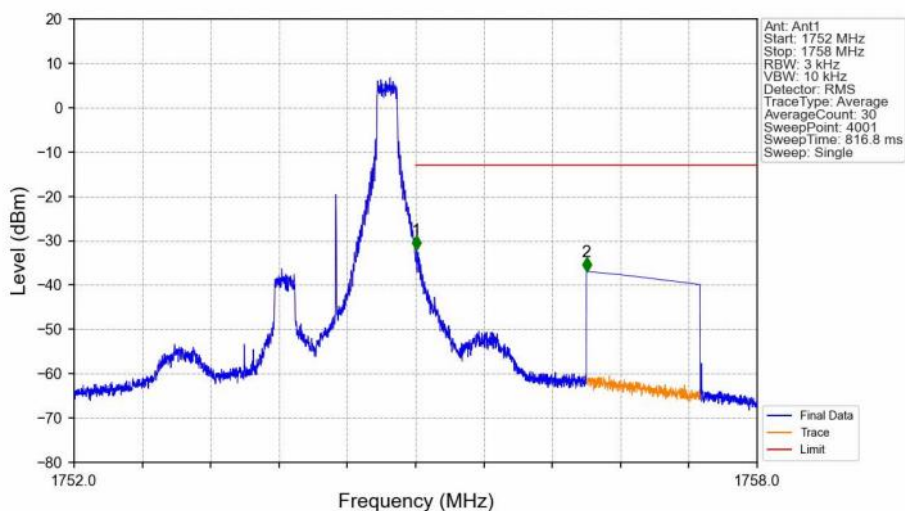
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

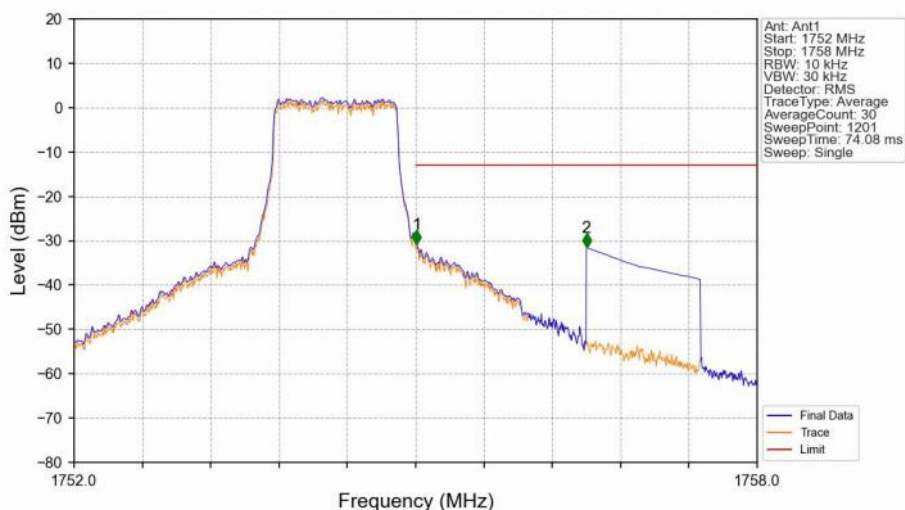


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.006	-32.05	-13	Pass
1756	1758	1	CHP	2	1756.500	-36.96	-13	Pass

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.014	CHP	/	/	/	/	/
1755	1756	0.014	CHP	1	1755.010	-30.82	-13	Pass
1756	1758	1	CHP	2	1756.500	-31.55	-13	Pass