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	21.03	-5.10	15.93	<=30	Pass
			2	21.34	-5.10	16.24	<=30	Pass
			5	20.94	-5.10	15.84	<=30	Pass
		3	0	21.26	-5.10	16.16	<=30	Pass
			2	21.18	-5.10	16.08	<=30	Pass
			3	21.07	-5.10	15.97	<=30	Pass
		6	0	20.18	-5.10	15.08	<=30	Pass
	1732.5	1	0	20.84	-5.10	15.74	<=30	Pass
			2	21.05	-5.10	15.95	<=30	Pass
			5	20.85	-5.10	15.75	<=30	Pass
		3	0	20.78	-5.10	15.68	<=30	Pass
			2	20.81	-5.10	15.71	<=30	Pass
			3	20.75	-5.10	15.65	<=30	Pass
		6	0	19.65	-5.10	14.55	<=30	Pass
	1754.3	1	0	20.80	-5.10	15.70	<=30	Pass
			2	20.83	-5.10	15.73	<=30	Pass
			5	20.70	-5.10	15.60	<=30	Pass
		3	0	20.76	-5.10	15.66	<=30	Pass
			2	20.84	-5.10	15.74	<=30	Pass
			3	20.76	-5.10	15.66	<=30	Pass
		6	0	19.60	-5.10	14.50	<=30	Pass
16QAM	1710.7	1	0	19.70	-5.10	14.60	<=30	Pass
			2	19.79	-5.10	14.69	<=30	Pass
			5	19.77	-5.10	14.67	<=30	Pass
		3	0	20.05	-5.10	14.95	<=30	Pass
			2	20.21	-5.10	15.11	<=30	Pass
			3	20.09	-5.10	14.99	<=30	Pass
		6	0	19.01	-5.10	13.91	<=30	Pass
	1732.5	1	0	19.42	-5.10	14.32	<=30	Pass
			2	19.80	-5.10	14.70	<=30	Pass
			5	19.88	-5.10	14.78	<=30	Pass
		3	0	19.96	-5.10	14.86	<=30	Pass
			2	19.79	-5.10	14.69	<=30	Pass
			3	19.94	-5.10	14.84	<=30	Pass
		6	0	18.83	-5.10	13.73	<=30	Pass
	1754.3	1	0	20.14	-5.10	15.04	<=30	Pass
			2	20.32	-5.10	15.22	<=30	Pass
			5	19.96	-5.10	14.86	<=30	Pass
		3	0	19.52	-5.10	14.42	<=30	Pass
			2	19.43	-5.10	14.33	<=30	Pass
			3	19.78	-5.10	14.68	<=30	Pass
		6	0	18.66	-5.10	13.56	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV

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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	21.21	-5.10	16.11	<=30	Pass
			7	21.45	-5.10	16.35	<=30	Pass
			14	20.89	-5.10	15.79	<=30	Pass
		8	0	19.90	-5.10	14.80	<=30	Pass
			4	19.90	-5.10	14.80	<=30	Pass
			7	19.74	-5.10	14.64	<=30	Pass
		15	0	19.73	-5.10	14.63	<=30	Pass
	1732.5	1	0	20.65	-5.10	15.55	<=30	Pass
			7	20.74	-5.10	15.64	<=30	Pass
			14	20.89	-5.10	15.79	<=30	Pass
		8	0	19.62	-5.10	14.52	<=30	Pass
			4	19.57	-5.10	14.47	<=30	Pass
			7	19.72	-5.10	14.62	<=30	Pass
		15	0	19.61	-5.10	14.51	<=30	Pass
	1753.5	1	0	20.24	-5.10	15.14	<=30	Pass
			7	20.71	-5.10	15.61	<=30	Pass
			14	20.59	-5.10	15.49	<=30	Pass
		8	0	19.56	-5.10	14.46	<=30	Pass
			4	19.52	-5.10	14.42	<=30	Pass
			7	19.44	-5.10	14.34	<=30	Pass
		15	0	19.35	-5.10	14.25	<=30	Pass
16QAM	1711.5	1	0	19.65	-5.10	14.55	<=30	Pass
			7	19.80	-5.10	14.70	<=30	Pass
			14	19.93	-5.10	14.83	<=30	Pass
		8	0	19.16	-5.10	14.06	<=30	Pass
			4	18.92	-5.10	13.82	<=30	Pass
			7	19.07	-5.10	13.97	<=30	Pass
		15	0	18.87	-5.10	13.77	<=30	Pass
	1732.5	1	0	20.06	-5.10	14.96	<=30	Pass
			7	20.26	-5.10	15.16	<=30	Pass
			14	20.02	-5.10	14.92	<=30	Pass
		8	0	18.52	-5.10	13.42	<=30	Pass
			4	18.37	-5.10	13.27	<=30	Pass
			7	18.53	-5.10	13.43	<=30	Pass
		15	0	18.65	-5.10	13.55	<=30	Pass
	1753.5	1	0	20.02	-5.10	14.92	<=30	Pass
			7	20.34	-5.10	15.24	<=30	Pass
			14	20.21	-5.10	15.11	<=30	Pass
		8	0	18.64	-5.10	13.54	<=30	Pass
			4	18.54	-5.10	13.44	<=30	Pass
			7	18.62	-5.10	13.52	<=30	Pass
		15	0	18.52	-5.10	13.42	<=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	20.90	-5.10	15.80	<=30	Pass
			13	20.82	-5.10	15.72	<=30	Pass
			24	20.67	-5.10	15.57	<=30	Pass
		12	0	19.74	-5.10	14.64	<=30	Pass
			6	19.60	-5.10	14.50	<=30	Pass
			13	19.64	-5.10	14.54	<=30	Pass
		25	0	19.70	-5.10	14.60	<=30	Pass
	1732.5	1	0	20.45	-5.10	15.35	<=30	Pass
			13	20.62	-5.10	15.52	<=30	Pass

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			24	20.58	-5.10	15.48	<=30	Pass
		12	0	19.47	-5.10	14.37	<=30	Pass
			6	19.62	-5.10	14.52	<=30	Pass
			13	19.56	-5.10	14.46	<=30	Pass
		25	0	19.45	-5.10	14.35	<=30	Pass
	1752.5	1	0	20.49	-5.10	15.39	<=30	Pass
			13	20.27	-5.10	15.17	<=30	Pass
			24	20.51	-5.10	15.41	<=30	Pass
		12	0	19.29	-5.10	14.19	<=30	Pass
			6	19.38	-5.10	14.28	<=30	Pass
			13	19.47	-5.10	14.37	<=30	Pass
		25	0	19.46	-5.10	14.36	<=30	Pass
16QAM	1712.5	1	0	19.87	-5.10	14.77	<=30	Pass
			13	19.82	-5.10	14.72	<=30	Pass
			24	19.51	-5.10	14.41	<=30	Pass
		12	0	18.67	-5.10	13.57	<=30	Pass
			6	18.64	-5.10	13.54	<=30	Pass
			13	18.49	-5.10	13.39	<=30	Pass
		25	0	18.69	-5.10	13.59	<=30	Pass
	1732.5	1	0	19.76	-5.10	14.66	<=30	Pass
			13	19.88	-5.10	14.78	<=30	Pass
			24	19.84	-5.10	14.74	<=30	Pass
		12	0	18.22	-5.10	13.12	<=30	Pass
			6	18.28	-5.10	13.18	<=30	Pass
			13	18.62	-5.10	13.52	<=30	Pass
		25	0	18.44	-5.10	13.34	<=30	Pass
	1752.5	1	0	19.28	-5.10	14.18	<=30	Pass
			13	19.24	-5.10	14.14	<=30	Pass
			24	19.45	-5.10	14.35	<=30	Pass
		12	0	18.50	-5.10	13.40	<=30	Pass
			6	18.32	-5.10	13.22	<=30	Pass
			13	18.52	-5.10	13.42	<=30	Pass
		25	0	18.40	-5.10	13.30	<=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	20.58	-5.10	15.48	<=30	Pass
			25	20.80	-5.10	15.70	<=30	Pass
			49	20.37	-5.10	15.27	<=30	Pass
		25	0	19.60	-5.10	14.50	<=30	Pass
			13	19.58	-5.10	14.48	<=30	Pass
			25	19.53	-5.10	14.43	<=30	Pass
		50	0	19.57	-5.10	14.47	<=30	Pass
	1732.5	1	0	20.45	-5.10	15.35	<=30	Pass
			25	20.53	-5.10	15.43	<=30	Pass
			49	20.60	-5.10	15.50	<=30	Pass
		25	0	19.41	-5.10	14.31	<=30	Pass
			13	19.46	-5.10	14.36	<=30	Pass
			25	19.40	-5.10	14.30	<=30	Pass
		50	0	19.49	-5.10	14.39	<=30	Pass
	1750	1	0	20.39	-5.10	15.29	<=30	Pass
			25	20.28	-5.10	15.18	<=30	Pass
			49	20.55	-5.10	15.45	<=30	Pass
		25	0	19.40	-5.10	14.30	<=30	Pass
			13	19.40	-5.10	14.30	<=30	Pass
			25	19.35	-5.10	14.25	<=30	Pass

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		50	0	19.47	-5.10	14.37	<=30	Pass
16QAM	1715	1	0	19.48	-5.10	14.38	<=30	Pass
			25	19.43	-5.10	14.33	<=30	Pass
			49	19.01	-5.10	13.91	<=30	Pass
		12	0	19.74	-5.10	14.64	<=30	Pass
			19	19.46	-5.10	14.36	<=30	Pass
			38	19.53	-5.10	14.43	<=30	Pass
		27	0	18.54	-5.10	13.44	<=30	Pass
	1732.5	1	0	20.09	-5.10	14.99	<=30	Pass
			25	20.04	-5.10	14.94	<=30	Pass
			49	20.15	-5.10	15.05	<=30	Pass
		12	0	19.20	-5.10	14.10	<=30	Pass
			19	19.24	-5.10	14.14	<=30	Pass
			38	19.27	-5.10	14.17	<=30	Pass
		27	0	18.42	-5.10	13.32	<=30	Pass
	1750	1	0	19.65	-5.10	14.55	<=30	Pass
			25	19.38	-5.10	14.28	<=30	Pass
			49	19.67	-5.10	14.57	<=30	Pass
		12	0	19.46	-5.10	14.36	<=30	Pass
			19	19.46	-5.10	14.36	<=30	Pass
			38	19.22	-5.10	14.12	<=30	Pass
		27	23	18.43	-5.10	13.33	<=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	20.64	-5.10	15.54	<=30	Pass
			38	20.46	-5.10	15.36	<=30	Pass
			74	20.78	-5.10	15.68	<=30	Pass
		36	0	19.66	-5.10	14.56	<=30	Pass
			18	19.64	-5.10	14.54	<=30	Pass
			39	19.59	-5.10	14.49	<=30	Pass
		75	0	19.66	-5.10	14.56	<=30	Pass
	1732.5	1	0	20.61	-5.10	15.51	<=30	Pass
			38	20.75	-5.10	15.65	<=30	Pass
			74	20.66	-5.10	15.56	<=30	Pass
		36	0	19.58	-5.10	14.48	<=30	Pass
			18	19.57	-5.10	14.47	<=30	Pass
			39	19.54	-5.10	14.44	<=30	Pass
		75	0	19.46	-5.10	14.36	<=30	Pass
	1747.5	1	0	20.44	-5.10	15.34	<=30	Pass
			38	20.36	-5.10	15.26	<=30	Pass
			74	20.56	-5.10	15.46	<=30	Pass
		36	0	19.66	-5.10	14.56	<=30	Pass
			18	19.57	-5.10	14.47	<=30	Pass
			39	19.58	-5.10	14.48	<=30	Pass
		75	0	19.42	-5.10	14.32	<=30	Pass
16QAM	1717.5	1	0	20.12	-5.10	15.02	<=30	Pass
			38	19.53	-5.10	14.43	<=30	Pass
			74	19.19	-5.10	14.09	<=30	Pass
		12	0	20.03	-5.10	14.93	<=30	Pass
			31	19.62	-5.10	14.52	<=30	Pass
			63	19.80	-5.10	14.70	<=30	Pass
		27	0	18.87	-5.10	13.77	<=30	Pass
	1732.5	1	0	19.43	-5.10	14.33	<=30	Pass
			38	19.71	-5.10	14.61	<=30	Pass
			74	19.38	-5.10	14.28	<=30	Pass

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		12	0	19.40	-5.10	14.30	<=30	Pass
			31	19.53	-5.10	14.43	<=30	Pass
			63	19.31	-5.10	14.21	<=30	Pass
		27	0	18.55	-5.10	13.45	<=30	Pass
	1747.5	1	0	19.51	-5.10	14.41	<=30	Pass
			38	19.55	-5.10	14.45	<=30	Pass
			74	18.64	-5.10	13.54	<=30	Pass
		12	0	19.59	-5.10	14.49	<=30	Pass
			31	19.25	-5.10	14.15	<=30	Pass
			63	19.43	-5.10	14.33	<=30	Pass
		27	48	18.43	-5.10	13.33	<=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	20.70	-5.10	15.60	<=30	Pass
			50	20.55	-5.10	15.45	<=30	Pass
			99	20.61	-5.10	15.51	<=30	Pass
		50	0	19.78	-5.10	14.68	<=30	Pass
			25	19.77	-5.10	14.67	<=30	Pass
			50	19.70	-5.10	14.60	<=30	Pass
		100	0	19.87	-5.10	14.77	<=30	Pass
	1732.5	1	0	20.84	-5.10	15.74	<=30	Pass
			50	20.97	-5.10	15.87	<=30	Pass
			99	20.56	-5.10	15.46	<=30	Pass
		50	0	19.73	-5.10	14.63	<=30	Pass
			25	19.73	-5.10	14.63	<=30	Pass
			50	19.75	-5.10	14.65	<=30	Pass
		100	0	19.64	-5.10	14.54	<=30	Pass
	1745	1	0	20.51	-5.10	15.41	<=30	Pass
			50	20.72	-5.10	15.62	<=30	Pass
			99	20.57	-5.10	15.47	<=30	Pass
		50	0	19.93	-5.10	14.83	<=30	Pass
			25	19.85	-5.10	14.75	<=30	Pass
			50	19.64	-5.10	14.54	<=30	Pass
		100	0	19.80	-5.10	14.70	<=30	Pass
16QAM	1720	1	0	20.00	-5.10	14.90	<=30	Pass
			50	20.45	-5.10	15.35	<=30	Pass
			99	20.25	-5.10	15.15	<=30	Pass
		12	0	19.86	-5.10	14.76	<=30	Pass
			44	19.54	-5.10	14.44	<=30	Pass
			88	19.75	-5.10	14.65	<=30	Pass
		27	0	18.96	-5.10	13.86	<=30	Pass
	1732.5	1	0	20.51	-5.10	15.41	<=30	Pass
			50	20.73	-5.10	15.63	<=30	Pass
			99	20.32	-5.10	15.22	<=30	Pass
		12	0	19.33	-5.10	14.23	<=30	Pass
			44	19.65	-5.10	14.55	<=30	Pass
			88	19.46	-5.10	14.36	<=30	Pass
		27	0	18.71	-5.10	13.61	<=30	Pass
	1745	1	0	19.61	-5.10	14.51	<=30	Pass
			50	20.63	-5.10	15.53	<=30	Pass
			99	20.81	-5.10	15.71	<=30	Pass
		12	0	19.77	-5.10	14.67	<=30	Pass
			44	19.68	-5.10	14.58	<=30	Pass
			88	19.63	-5.10	14.53	<=30	Pass
		27	73	18.93	-5.10	13.83	<=30	Pass

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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	0.858	0.0005	-2.5 to 2.5	Pass
					3.85	0.916	0.0005	-2.5 to 2.5	Pass
					4.43	2.203	0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.645	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.257	-0.0002	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	0.286	0.0002	-2.5 to 2.5	Pass
					3.85	0.257	0.0001	-2.5 to 2.5	Pass
					4.43	0.157	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				0	3.85	1.559	0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				50	3.85	1.588	0.0009	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-3.548	-0.0020	-2.5 to 2.5	Pass
					3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.933	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-4.106	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	3.033	0.0018	-2.5 to 2.5	Pass
					3.85	3.948	0.0023	-2.5 to 2.5	Pass
					4.43	1.674	0.0010	-2.5 to 2.5	Pass
				-30	3.85	3.805	0.0022	-2.5 to 2.5	Pass
				-20	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				-10	3.85	3.104	0.0018	-2.5 to 2.5	Pass
				0	3.85	4.377	0.0026	-2.5 to 2.5	Pass
				10	3.85	2.589	0.0015	-2.5 to 2.5	Pass
				30	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				40	3.85	2.532	0.0015	-2.5 to 2.5	Pass
				50	3.85	1.945	0.0011	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	2.503	0.0014	-2.5 to 2.5	Pass
					3.85	0.758	0.0004	-2.5 to 2.5	Pass
					4.43	0.472	0.0003	-2.5 to 2.5	Pass

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				-30	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				0	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				30	3.85	2.646	0.0015	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.845	0.0011	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	0.086	0.0000	-2.5 to 2.5	Pass
					3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.818	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-2.031	-0.0012	-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	-0.215	-0.0001	-2.5 to 2.5	Pass
					3.85	0.458	0.0003	-2.5 to 2.5	Pass
					4.43	1.788	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.772	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.215	0.0001	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.215	0.0001	-2.5 to 2.5	Pass
					3.85	1.616	0.0009	-2.5 to 2.5	Pass
					4.43	0.701	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				10	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.372	0.0002	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	0.601	0.0003	-2.5 to 2.5	Pass
					3.85	0.186	0.0001	-2.5 to 2.5	Pass
					4.43	0.801	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.988	0.0011	-2.5 to 2.5	Pass
				40	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				50	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	0.029	0.0000	-2.5 to 2.5	Pass
					3.85	-1.059	-0.0006	-2.5 to 2.5	Pass

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					4.43	0.372	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				10	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.801	0.0005	-2.5 to 2.5	Pass
					3.85	1.345	0.0008	-2.5 to 2.5	Pass
					4.43	0.730	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.129	0.0001	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-0.758	-0.0004	-2.5 to 2.5	Pass
					3.85	1.245	0.0007	-2.5 to 2.5	Pass
					4.43	0.973	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				40	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.801	0.0005	-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	1.788	0.0010	-2.5 to 2.5	Pass
					3.85	1.516	0.0009	-2.5 to 2.5	Pass
					4.43	1.631	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.944	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.160	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.116	0.0007	-2.5 to 2.5	Pass
				30	3.85	2.103	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.431	0.0008	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.372	0.0002	-2.5 to 2.5	Pass
					3.85	-0.057	0.0000	-2.5 to 2.5	Pass
					4.43	-0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				40	3.85	2.174	0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-3.304	-0.0019	-2.5 to 2.5	Pass

					3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
					4.43	-2.661	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-3.219	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-3.977	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	2.446	0.0014	-2.5 to 2.5	Pass
					3.85	1.316	0.0008	-2.5 to 2.5	Pass
					4.43	3.190	0.0019	-2.5 to 2.5	Pass
				-30	3.85	2.818	0.0016	-2.5 to 2.5	Pass
				-20	3.85	1.945	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				10	3.85	3.476	0.0020	-2.5 to 2.5	Pass
				30	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				50	3.85	1.073	0.0006	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-2.189	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
					4.43	0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				50	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-2.260	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.888	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.934	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-3.090	-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	-1.588	-0.0009	-2.5 to 2.5	Pass
					3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.905	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass

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	1732.5	50	0	20	3.27	-0.458	-0.0003	-2.5 to 2.5	Pass
					3.85	0.429	0.0002	-2.5 to 2.5	Pass
					4.43	0.443	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0002	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	0.973	0.0006	-2.5 to 2.5	Pass
					3.85	1.745	0.0010	-2.5 to 2.5	Pass
					4.43	1.702	0.0010	-2.5 to 2.5	Pass
				-30	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.988	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				10	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				30	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				50	3.85	1.287	0.0007	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.27	-2.246	-0.0013	-2.5 to 2.5	Pass
					3.85	-3.548	-0.0021	-2.5 to 2.5	Pass
					4.43	-2.732	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.719	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-3.176	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.920	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-3.920	-0.0023	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	1.488	0.0009	-2.5 to 2.5	Pass
					3.85	-0.072	0.0000	-2.5 to 2.5	Pass
					4.43	0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.787	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				30	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
	1750	27	23	20	3.27	1.559	0.0009	-2.5 to 2.5	Pass
					3.85	2.604	0.0015	-2.5 to 2.5	Pass
					4.43	1.602	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				30	3.85	2.646	0.0015	-2.5 to 2.5	Pass
				40	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				50	3.85	1.087	0.0006	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

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	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	1717.5	75	0	20	3.27	0.429	0.0002	-2.5 to 2.5	Pass
					3.85	0.358	0.0002	-2.5 to 2.5	Pass
					4.43	0.715	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.615	0.0004	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-0.944	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.200	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				0	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.901	0.0005	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-0.215	-0.0001	-2.5 to 2.5	Pass
					3.85	0.157	0.0001	-2.5 to 2.5	Pass
					4.43	0.157	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-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	-0.501	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.200	0.0001	-2.5 to 2.5	Pass
16QAM	1717.5	27	0	20	3.27	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	0.329	0.0002	-2.5 to 2.5	Pass
					4.43	0.443	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.329	0.0002	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	1.359	0.0008	-2.5 to 2.5	Pass
					3.85	0.343	0.0002	-2.5 to 2.5	Pass
					4.43	0.587	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				30	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.658	0.0004	-2.5 to 2.5	Pass
	1747.5	27	48	20	3.27	0.043	0.0000	-2.5 to 2.5	Pass
					3.85	0.215	0.0001	-2.5 to 2.5	Pass
					4.43	-0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.787	0.0005	-2.5 to 2.5	Pass

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				-20	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.072	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	1.516	0.0009	-2.5 to 2.5	Pass
					3.85	1.016	0.0006	-2.5 to 2.5	Pass
					4.43	1.659	0.0010	-2.5 to 2.5	Pass
				-30	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.202	0.0007	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	0.215	0.0001	-2.5 to 2.5	Pass
					3.85	0.114	0.0001	-2.5 to 2.5	Pass
					4.43	-0.429	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.000	0.0000	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.490	-0.0020	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.646	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
16QAM	1720	27	0	20	3.27	2.275	0.0013	-2.5 to 2.5	Pass
					3.85	1.016	0.0006	-2.5 to 2.5	Pass
					4.43	1.087	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.702	0.0010	-2.5 to 2.5	Pass
				0	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				30	3.85	2.117	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.645	0.0010	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	0.358	0.0002	-2.5 to 2.5	Pass
					3.85	0.086	0.0000	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0002	-2.5 to 2.5	Pass

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				-30	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
	1745	27	73	20	3.27	-3.562	-0.0020	-2.5 to 2.5	Pass
					3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
					4.43	-2.432	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.905	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-4.420	-0.0025	-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 / NTNV						
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 / NTNV						
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 / NTNV						
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

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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

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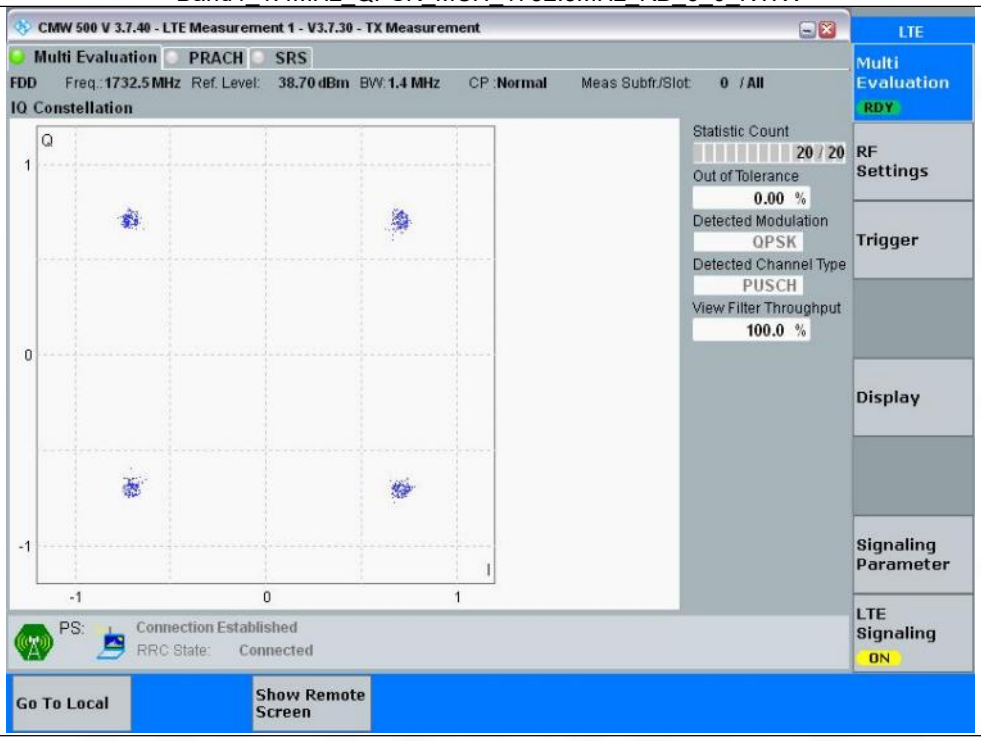
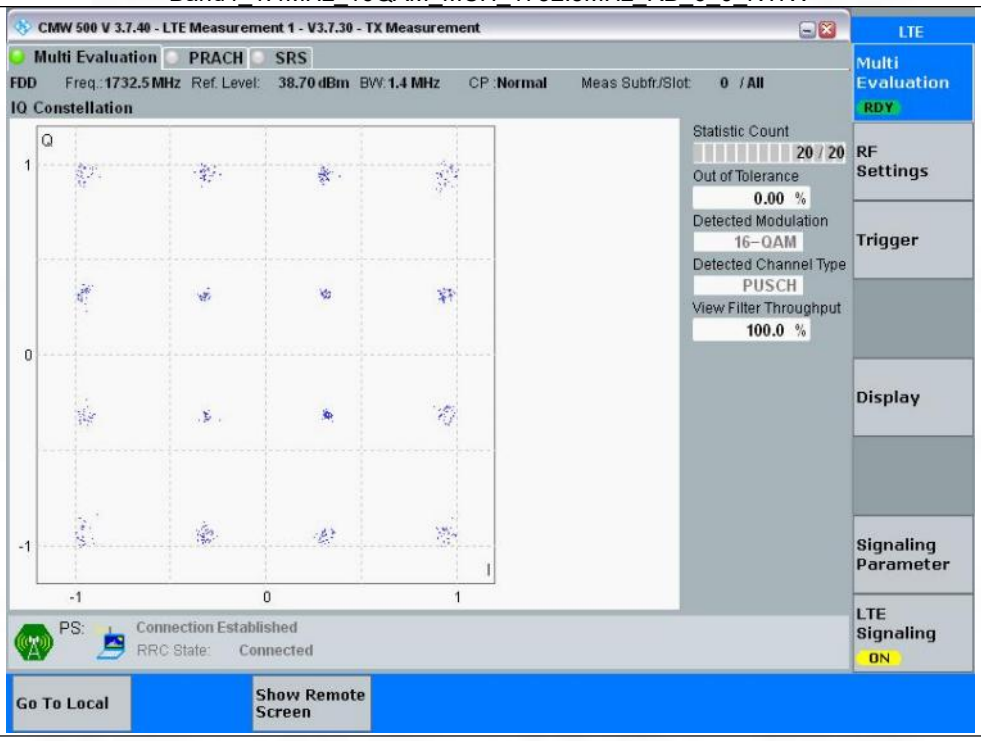
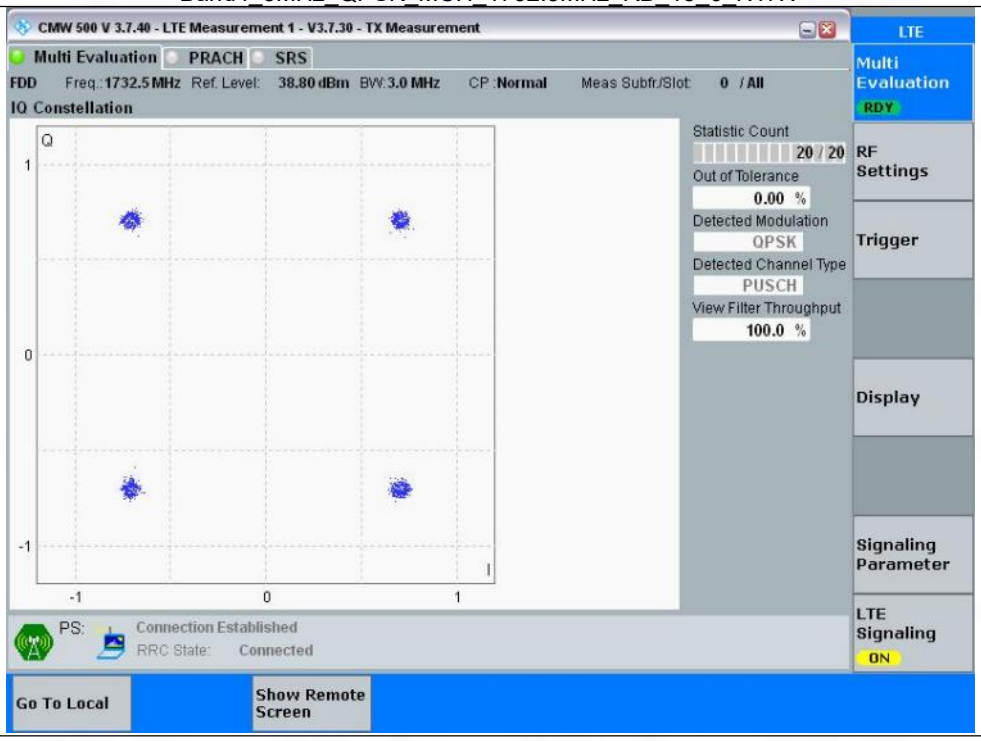
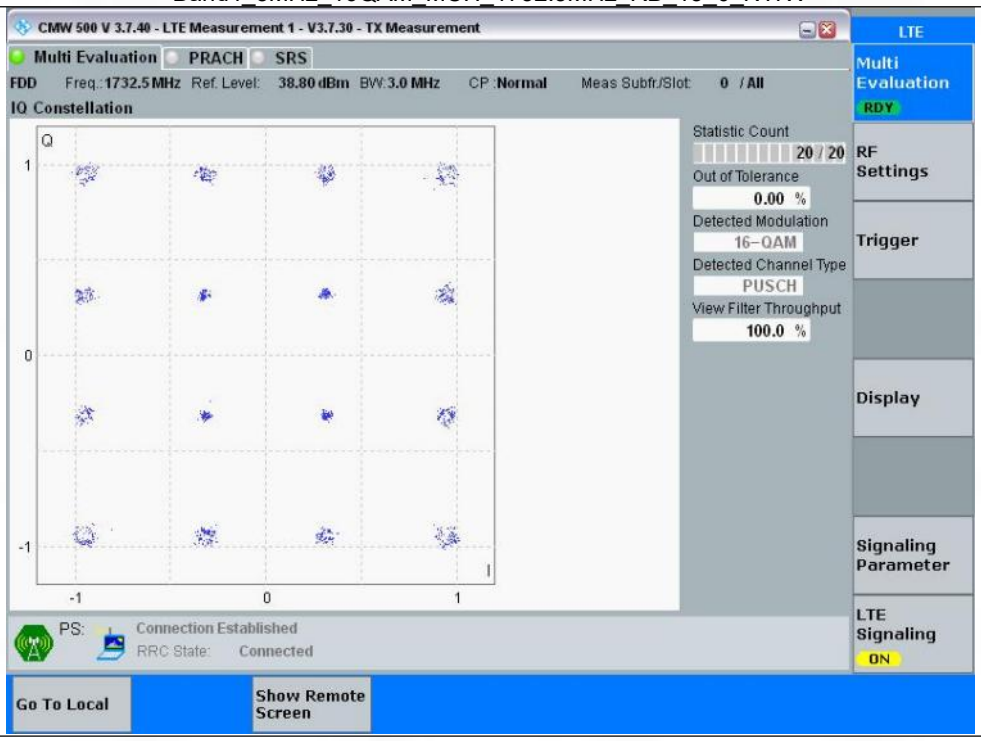
3.2 Test Graph

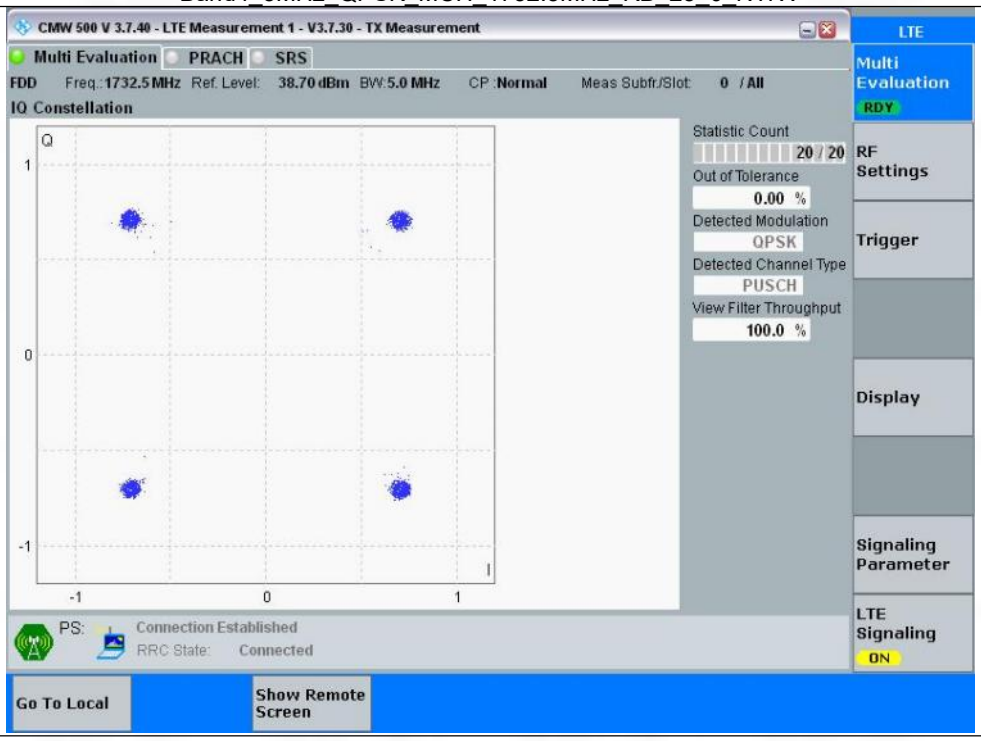
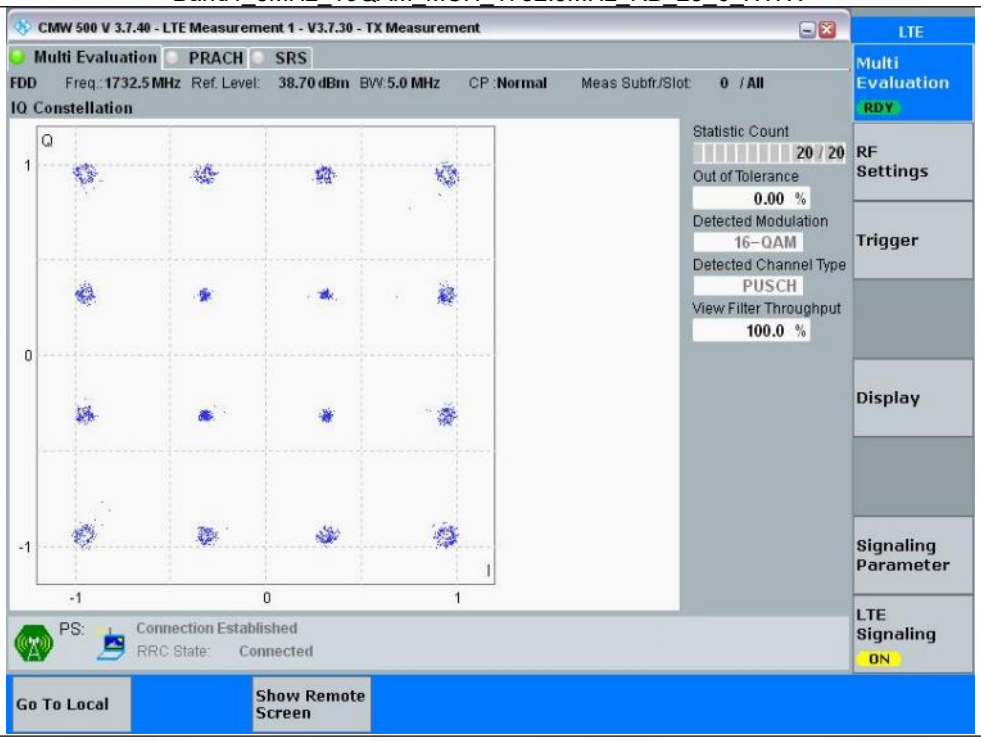
3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV


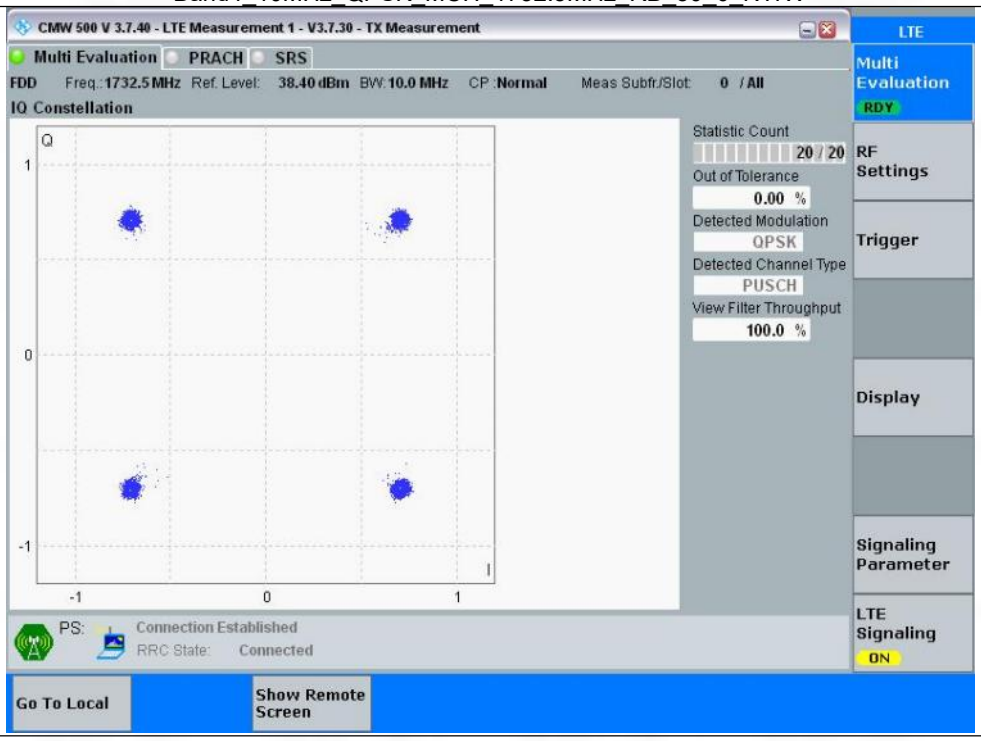
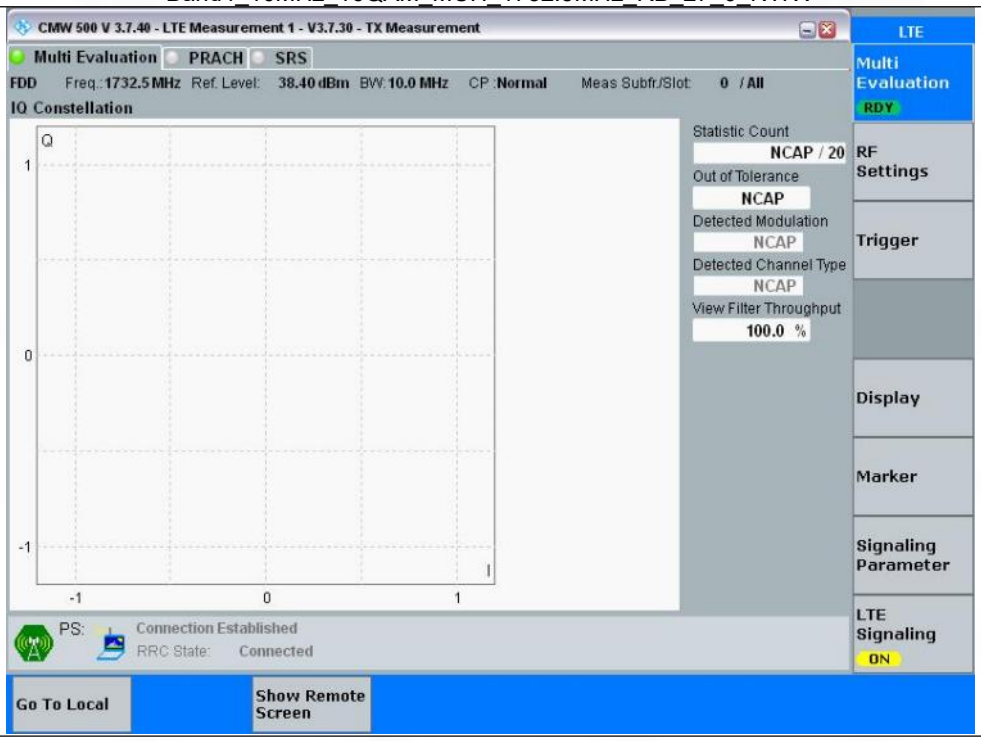
3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


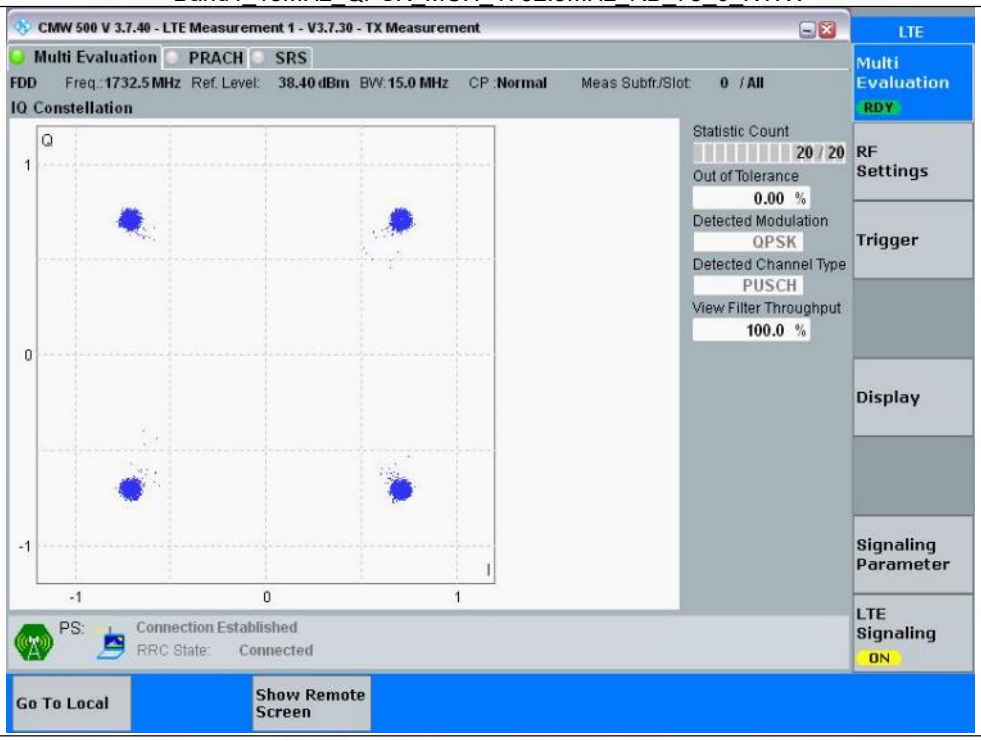
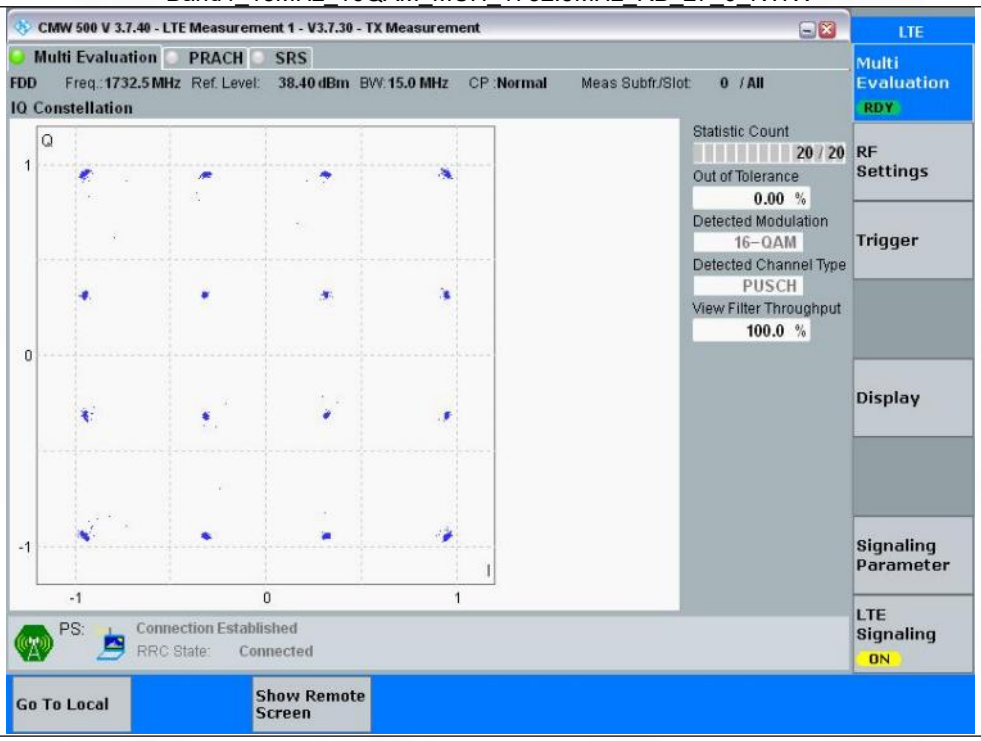
3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


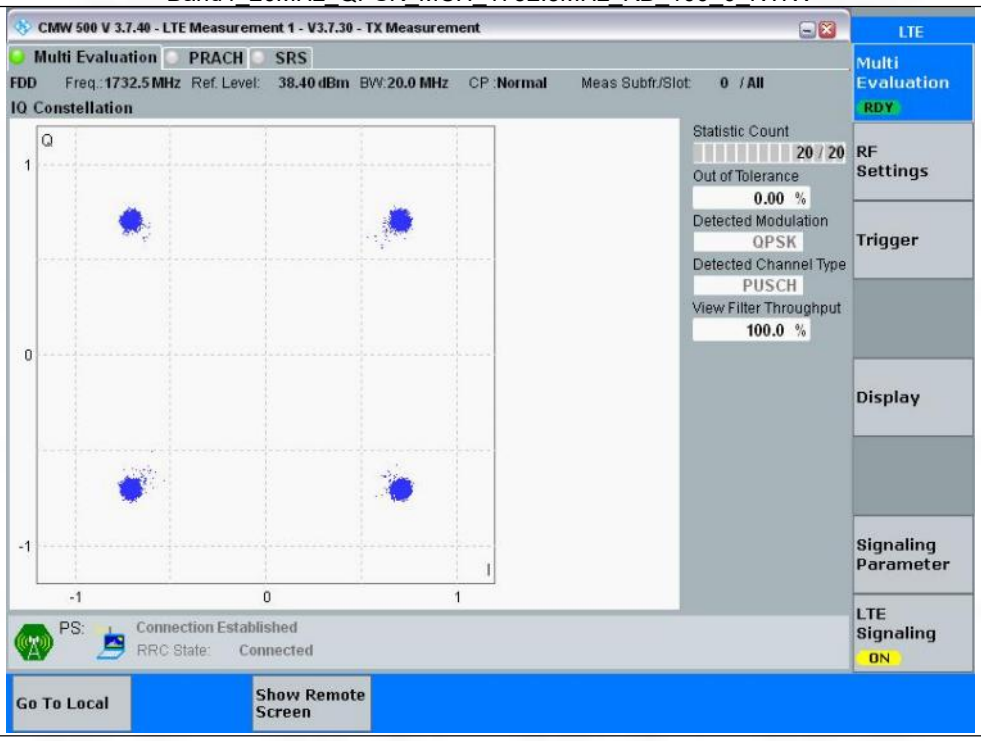
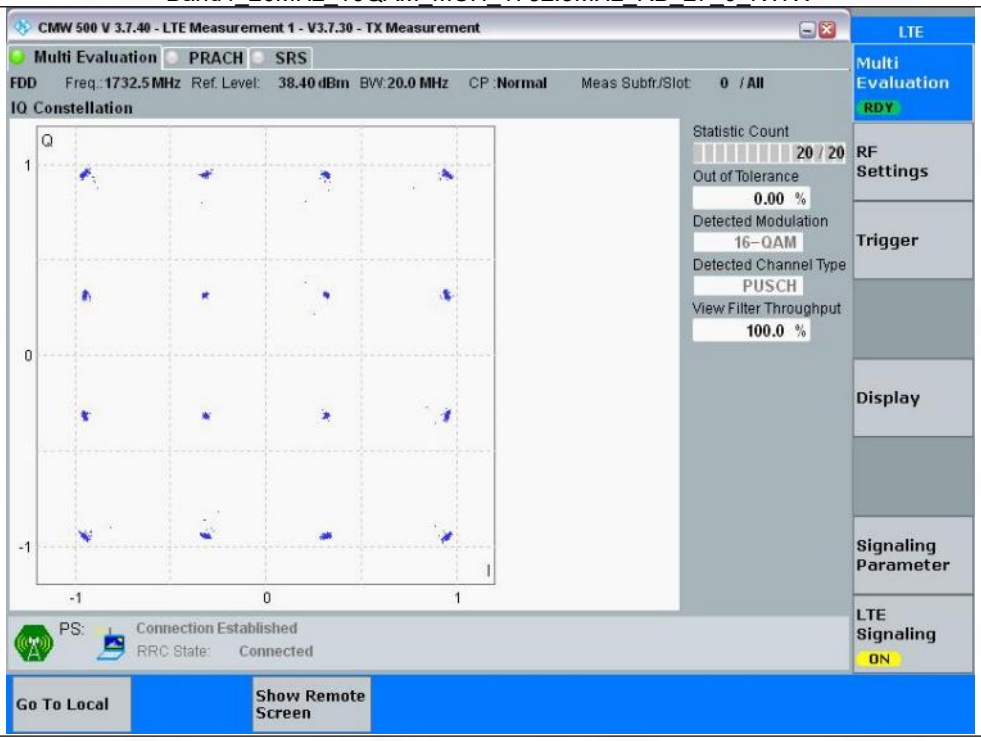
3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


3.2.6 B4_20MHz

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


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	1.114	/	Pass
		1732.5	6	0	1.112	/	Pass
		1754.3	6	0	1.114	/	Pass
	16QAM	1710.7	6	0	1.110	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.110	/	Pass
3	QPSK	1711.5	15	0	2.740	/	Pass
		1732.5	15	0	2.747	/	Pass
		1753.5	15	0	2.744	/	Pass
	16QAM	1711.5	15	0	2.735	/	Pass
		1732.5	15	0	2.738	/	Pass
		1753.5	15	0	2.724	/	Pass
5	QPSK	1712.5	25	0	4.553	/	Pass
		1732.5	25	0	4.537	/	Pass
		1752.5	25	0	4.556	/	Pass
	16QAM	1712.5	25	0	4.564	/	Pass
		1732.5	25	0	4.563	/	Pass
		1752.5	25	0	4.549	/	Pass
10	QPSK	1715	50	0	9.031	/	Pass
		1732.5	50	0	9.044	/	Pass
		1750	50	0	9.045	/	Pass
	16QAM	1715	27	0	5.089	/	Pass
		1732.5	27	0	5.090	/	Pass
		1750	27	23	5.083	/	Pass
15	QPSK	1717.5	75	0	13.539	/	Pass
		1732.5	75	0	13.539	/	Pass
		1747.5	75	0	13.522	/	Pass
	16QAM	1717.5	27	0	5.263	/	Pass
		1732.5	27	0	5.321	/	Pass
		1747.5	27	48	5.355	/	Pass
20	QPSK	1720	100	0	18.068	/	Pass
		1732.5	100	0	18.121	/	Pass
		1745	100	0	17.982	/	Pass
	16QAM	1720	27	0	5.582	/	Pass
		1732.5	27	0	5.625	/	Pass
		1745	27	73	5.503	/	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	1.307	/	Pass
		1732.5	6	0	1.322	/	Pass
		1754.3	6	0	1.329	/	Pass
	16QAM	1710.7	6	0	1.327	/	Pass
		1732.5	6	0	1.304	/	Pass
		1754.3	6	0	1.327	/	Pass

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3	QPSK	1711.5	15	0	3.040	/	Pass
		1732.5	15	0	3.047	/	Pass
		1753.5	15	0	3.050	/	Pass
	16QAM	1711.5	15	0	3.055	/	Pass
		1732.5	15	0	3.040	/	Pass
		1753.5	15	0	3.050	/	Pass
5	QPSK	1712.5	25	0	5.047	/	Pass
		1732.5	25	0	5.058	/	Pass
		1752.5	25	0	5.076	/	Pass
	16QAM	1712.5	25	0	5.077	/	Pass
		1732.5	25	0	5.100	/	Pass
		1752.5	25	0	5.059	/	Pass
10	QPSK	1715	50	0	10.025	/	Pass
		1732.5	50	0	10.074	/	Pass
		1750	50	0	9.976	/	Pass
	16QAM	1715	27	0	6.035	/	Pass
		1732.5	27	0	6.077	/	Pass
		1750	27	23	5.918	/	Pass
15	QPSK	1717.5	75	0	15.009	/	Pass
		1732.5	75	0	14.921	/	Pass
		1747.5	75	0	14.879	/	Pass
	16QAM	1717.5	27	0	6.335	/	Pass
		1732.5	27	0	6.451	/	Pass
		1747.5	27	48	7.102	/	Pass
20	QPSK	1720	100	0	19.812	/	Pass
		1732.5	100	0	19.927	/	Pass
		1745	100	0	19.685	/	Pass
	16QAM	1720	27	0	7.298	/	Pass
		1732.5	27	0	7.341	/	Pass
		1745	27	73	7.213	/	Pass

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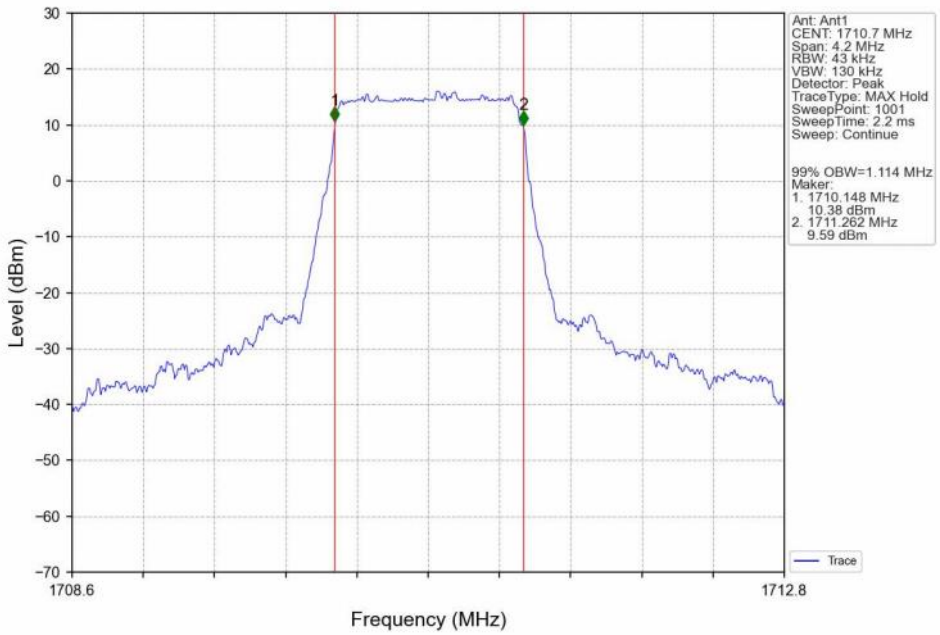
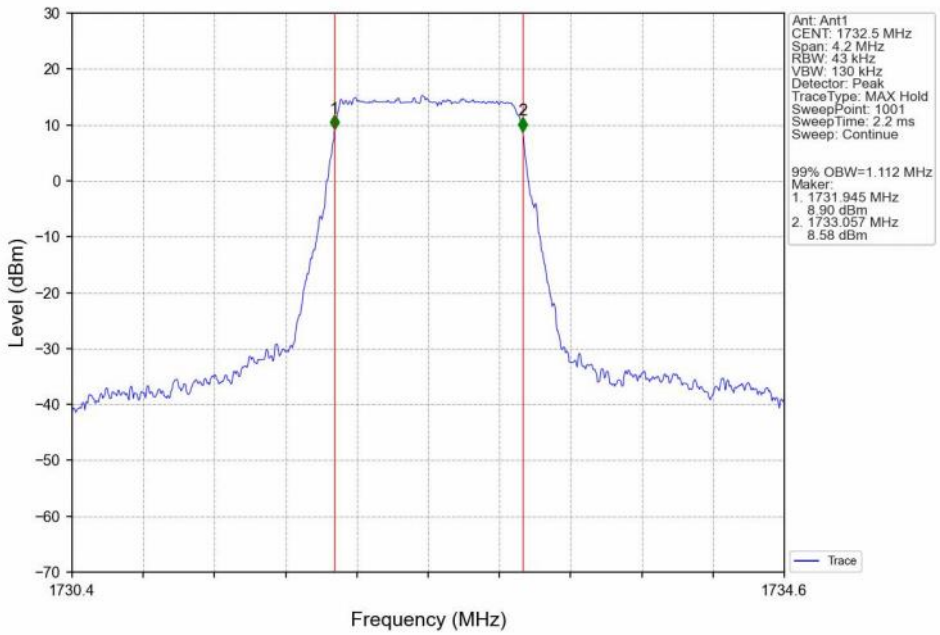
4.2 Test Graph

4.2.1 Band4_OBW

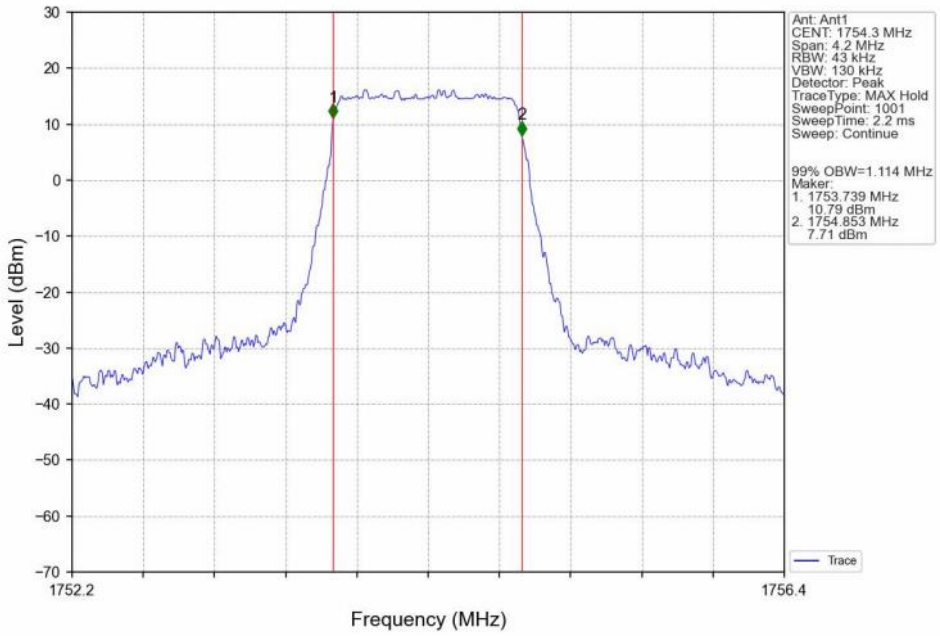
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



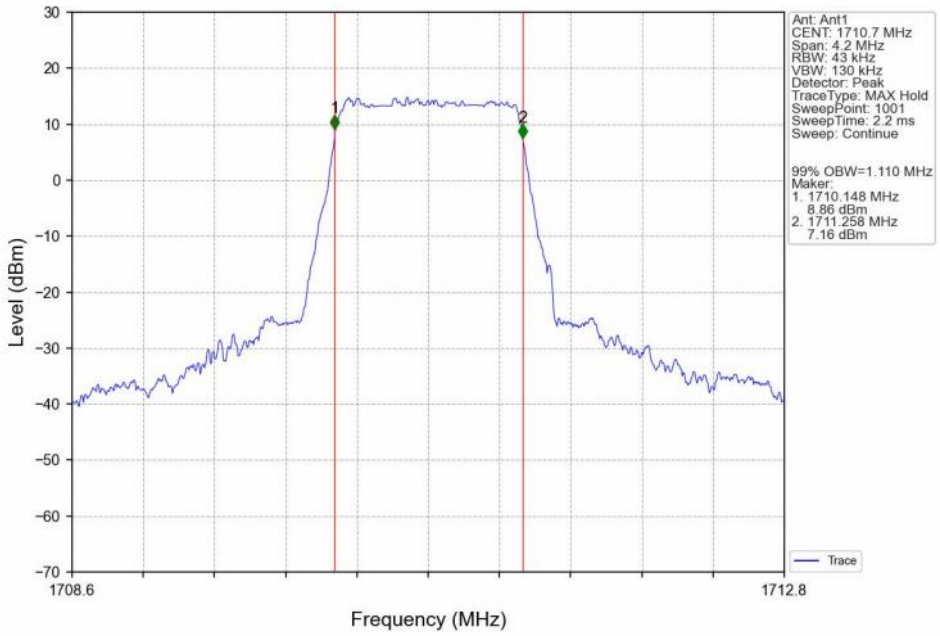
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



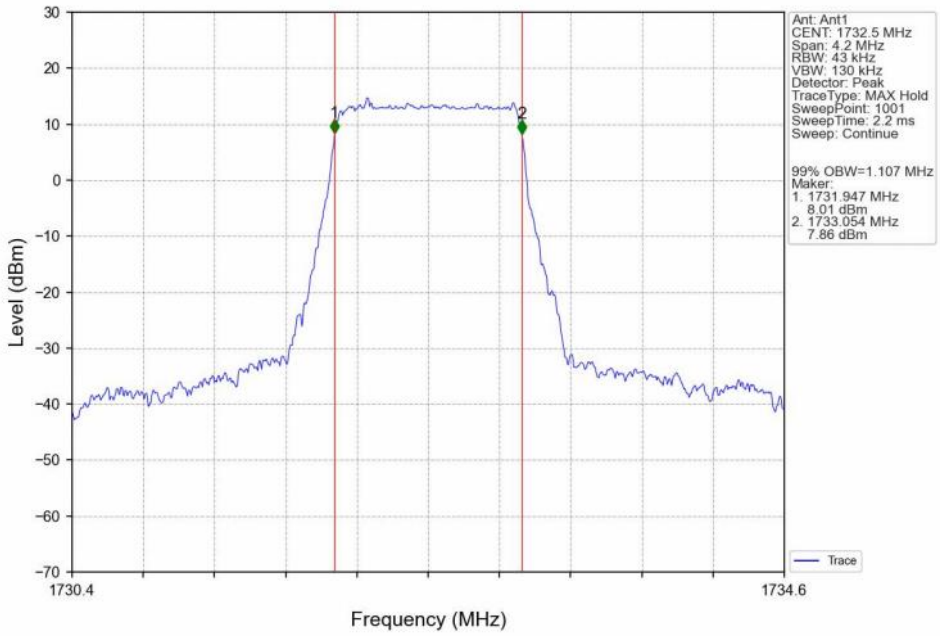
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



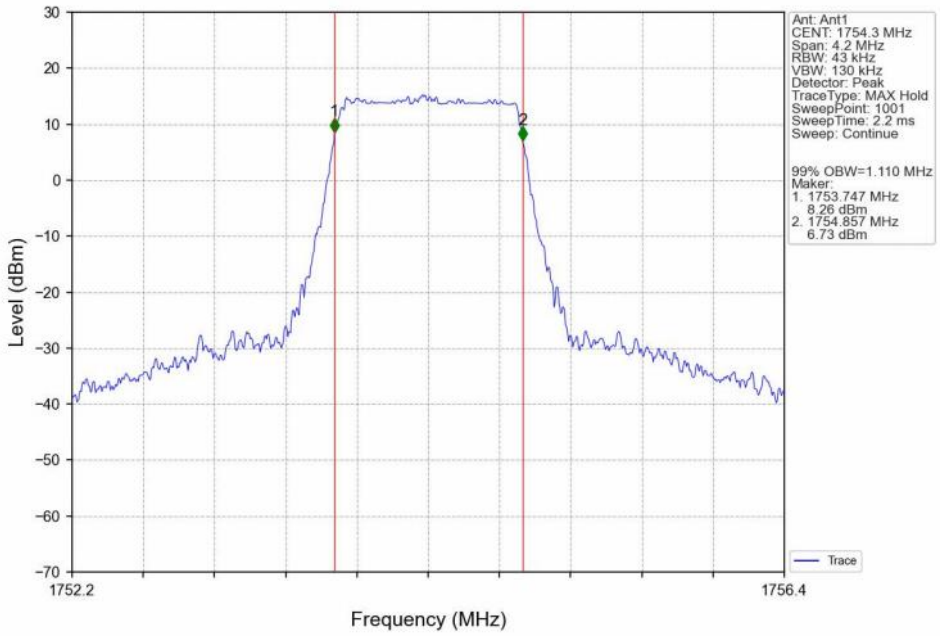
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



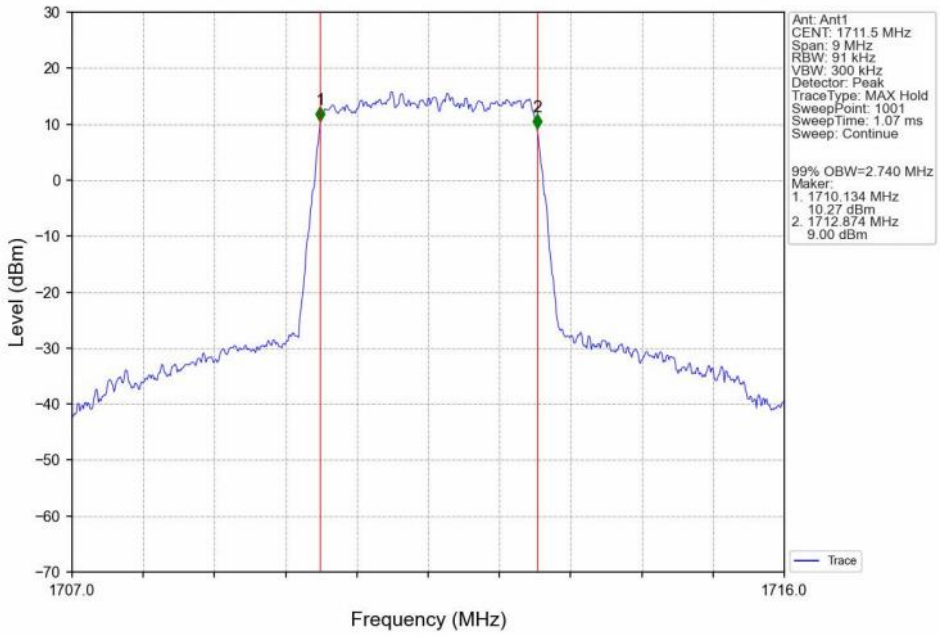
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



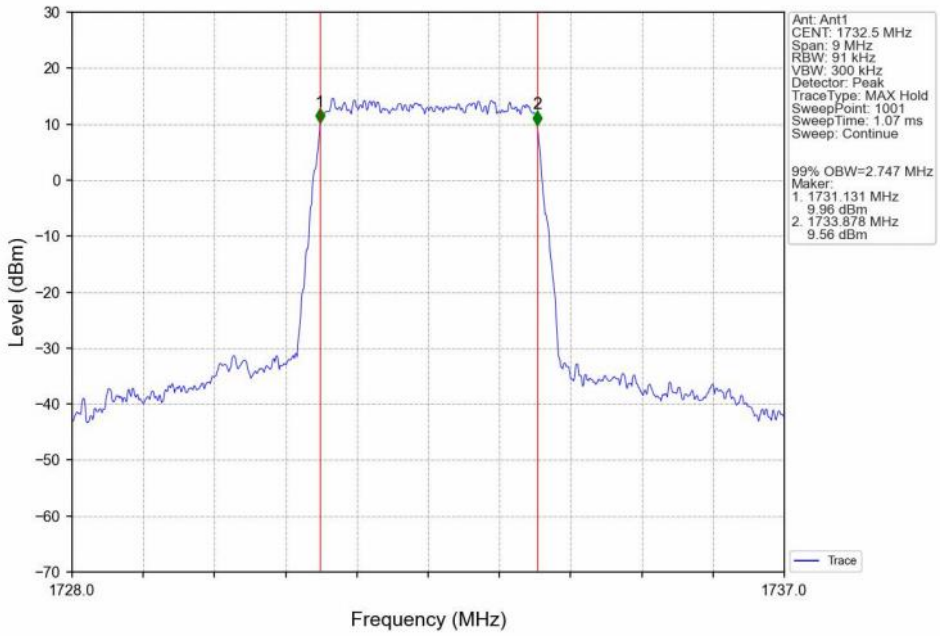
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



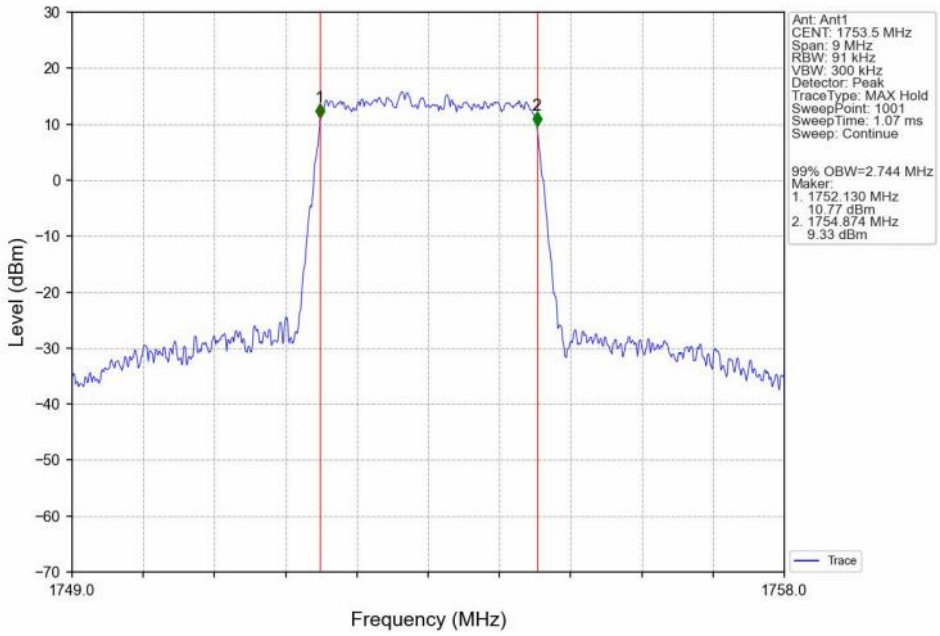
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



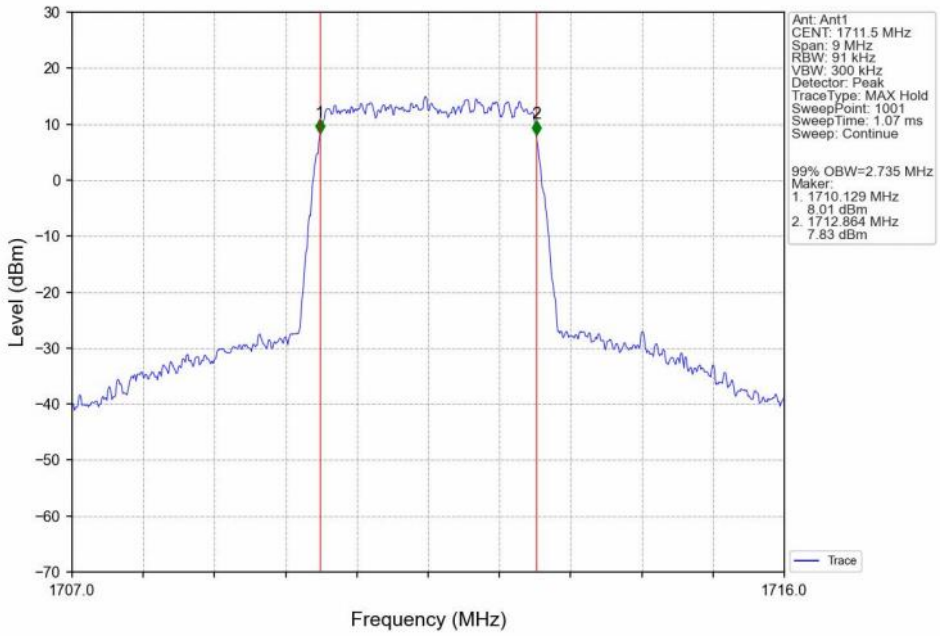
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



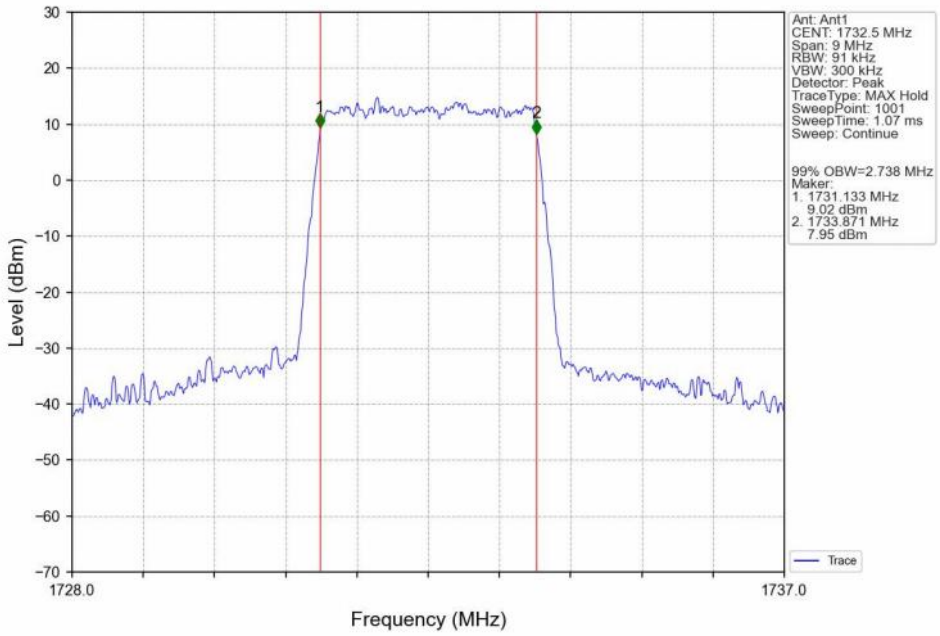
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



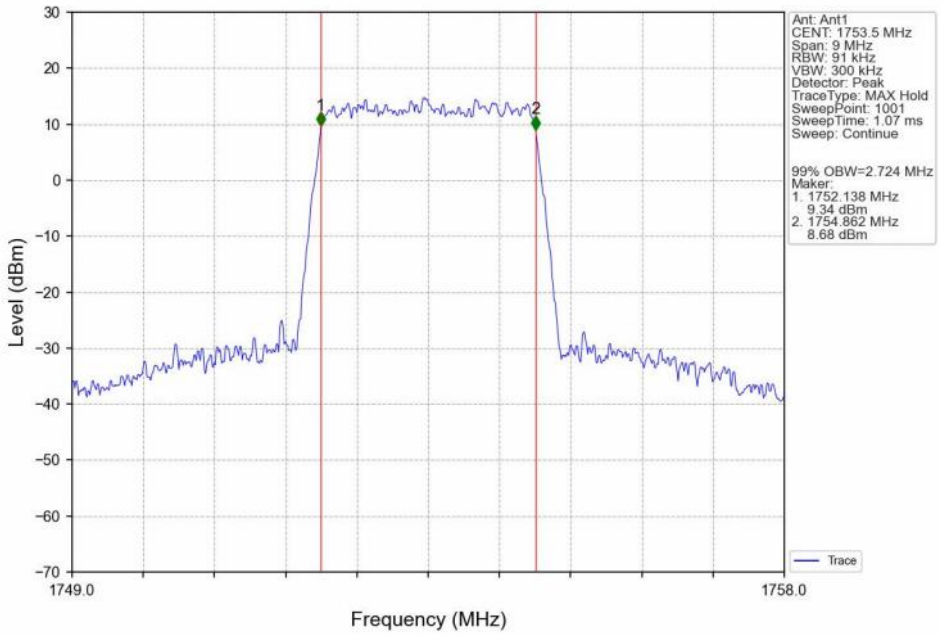
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



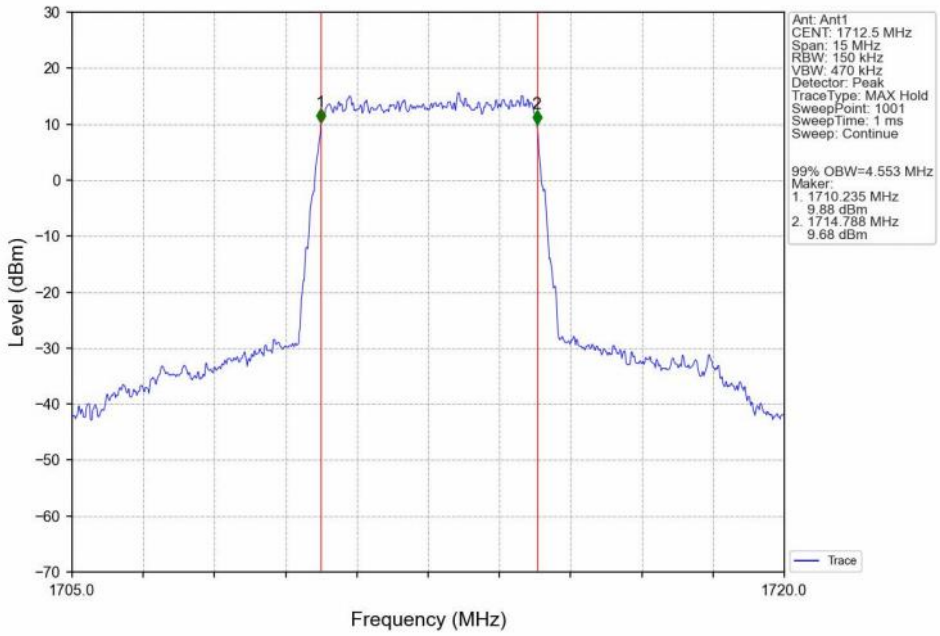
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



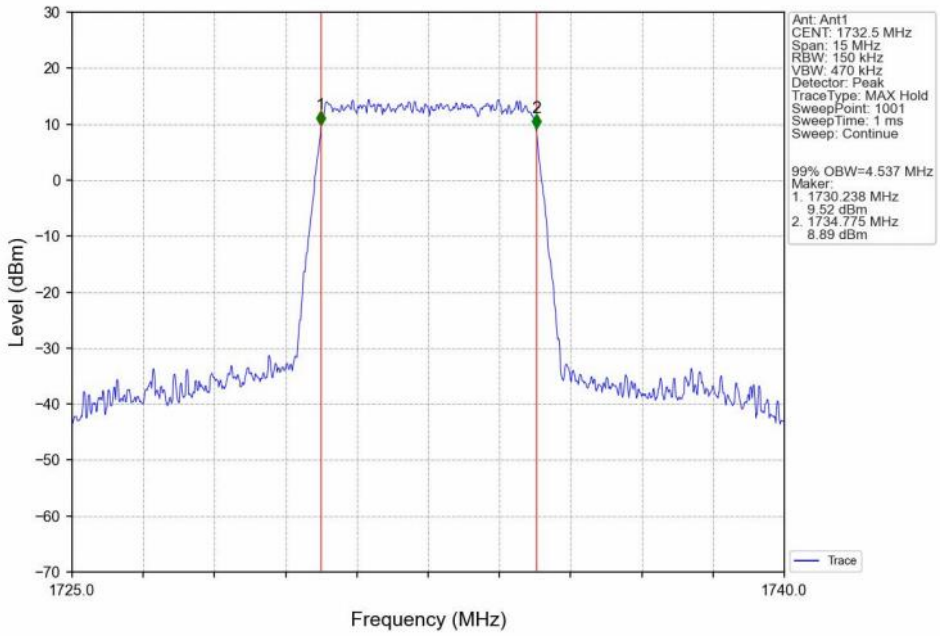
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



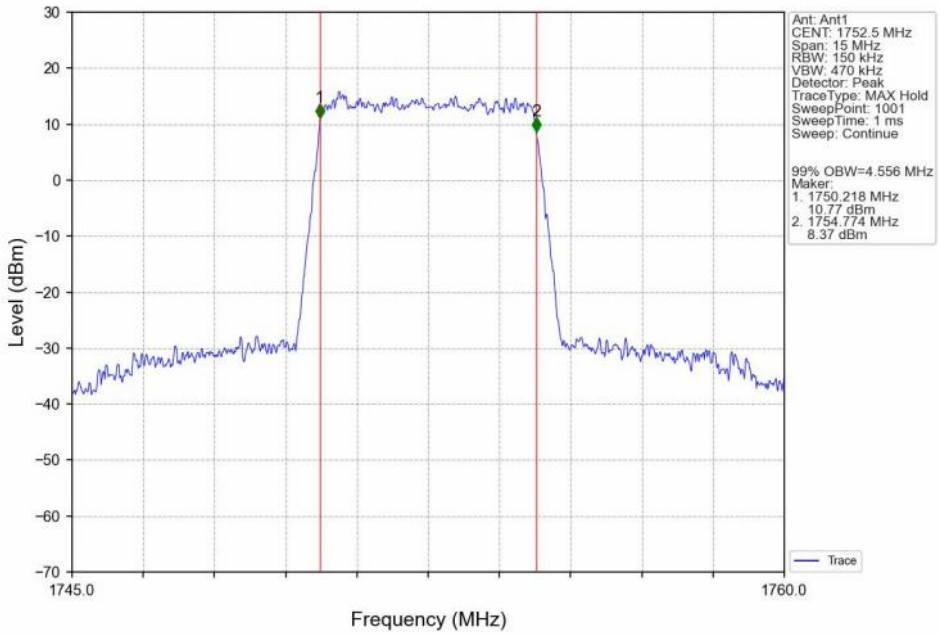
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



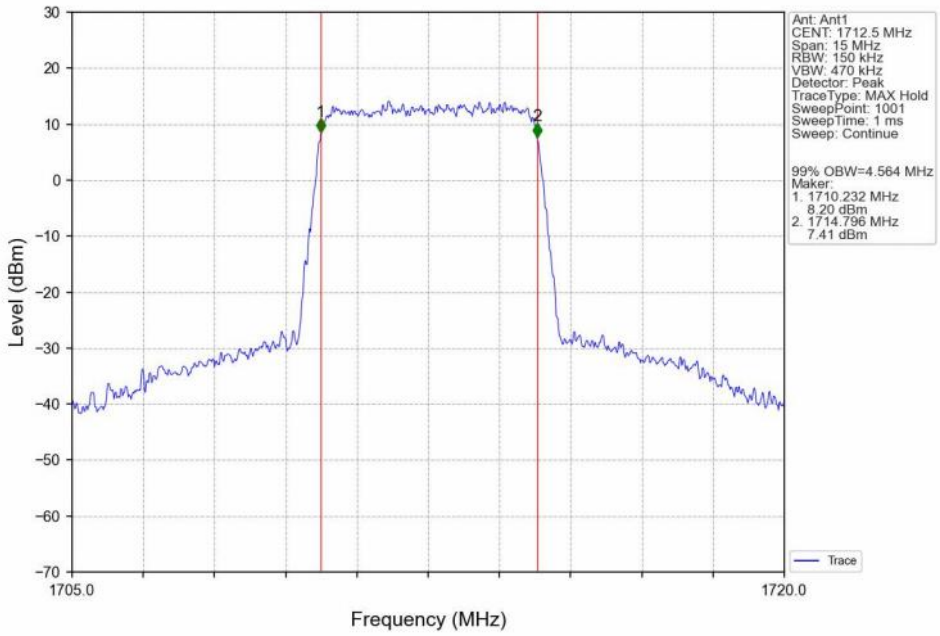
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



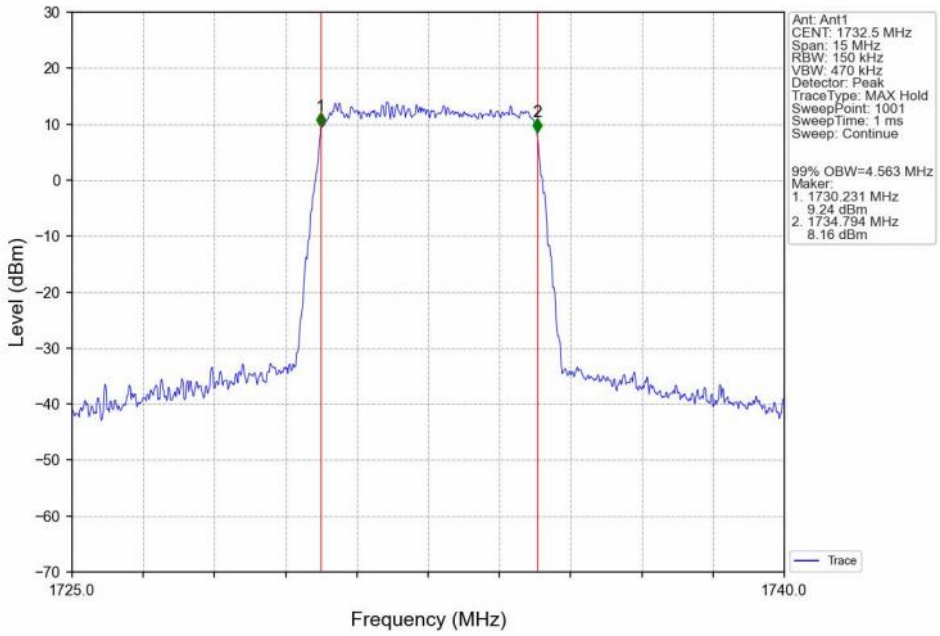
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



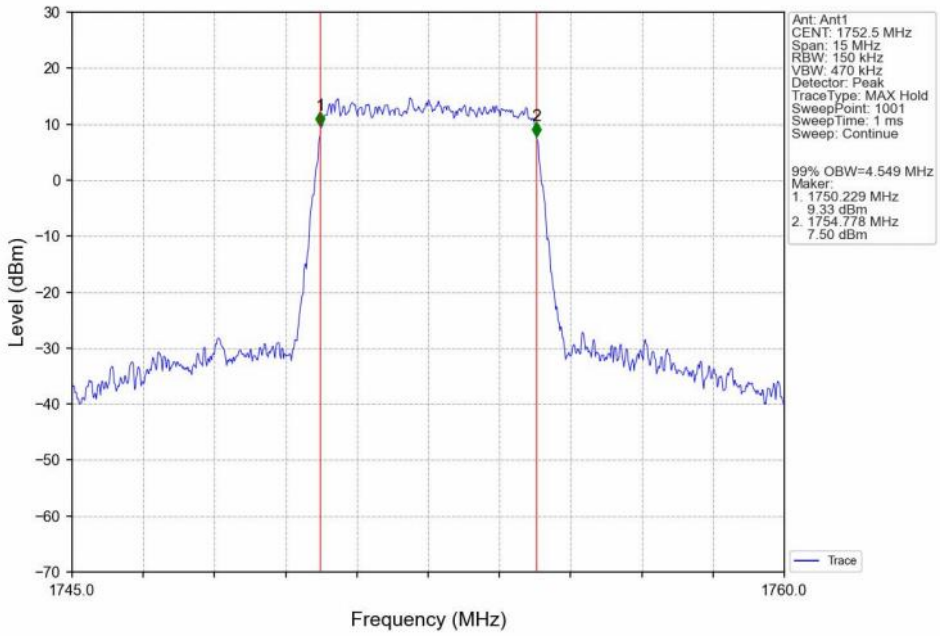
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



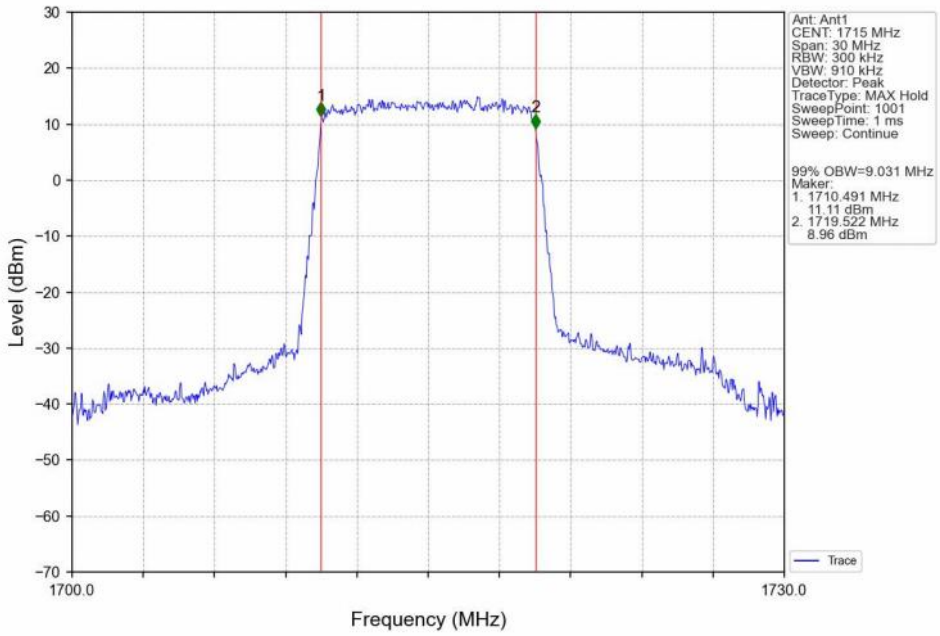
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



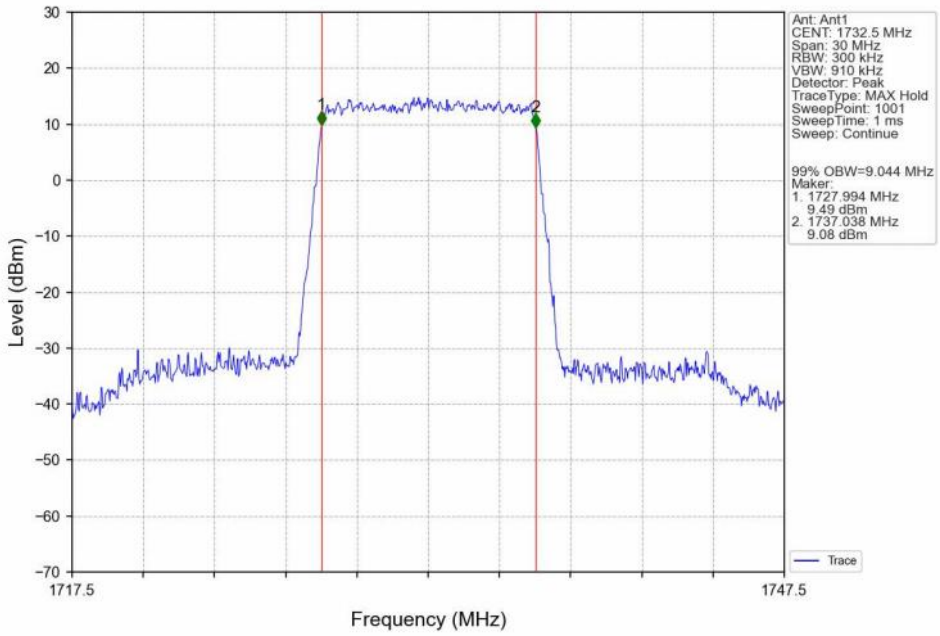
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



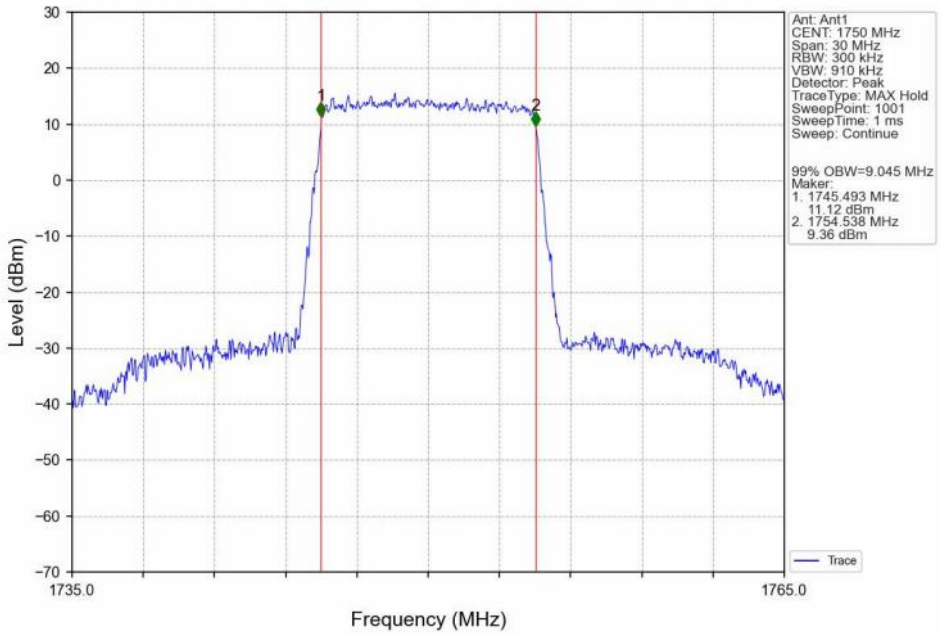
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



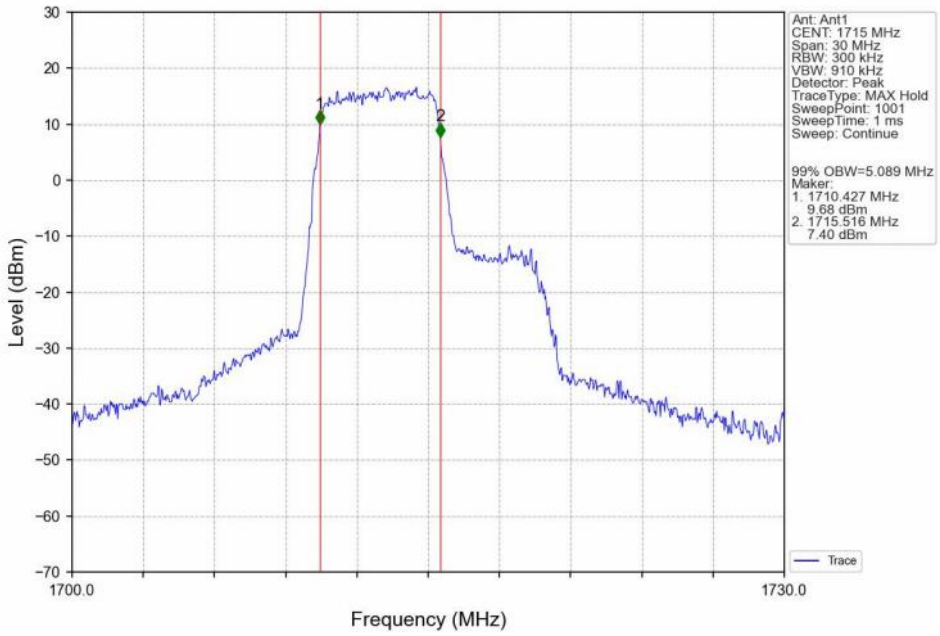
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



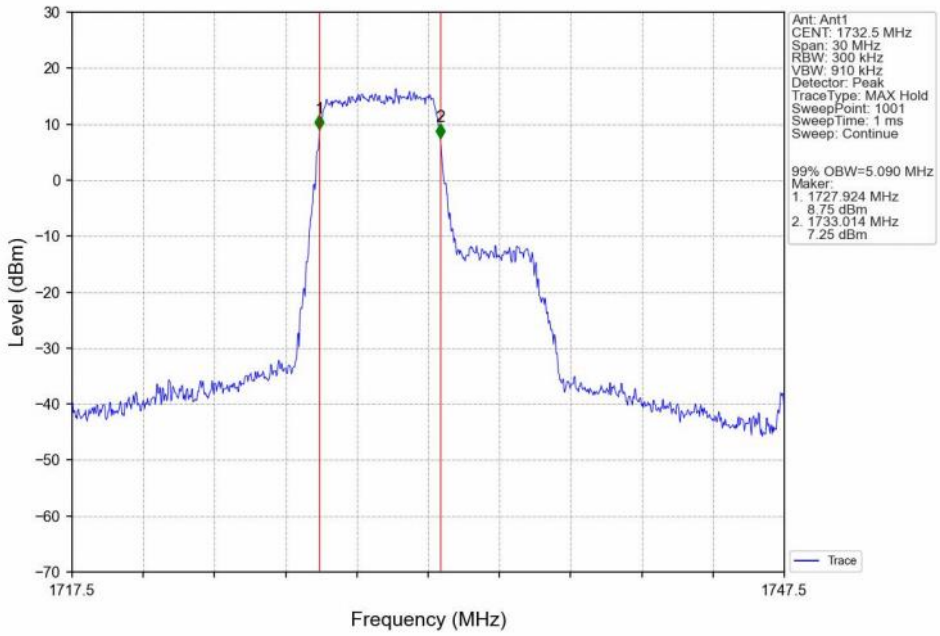
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



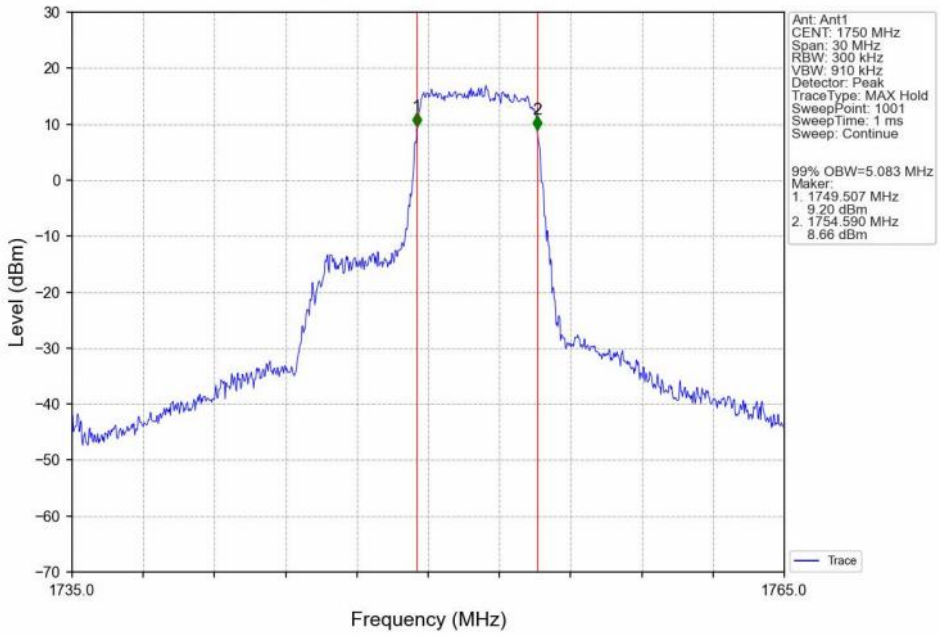
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



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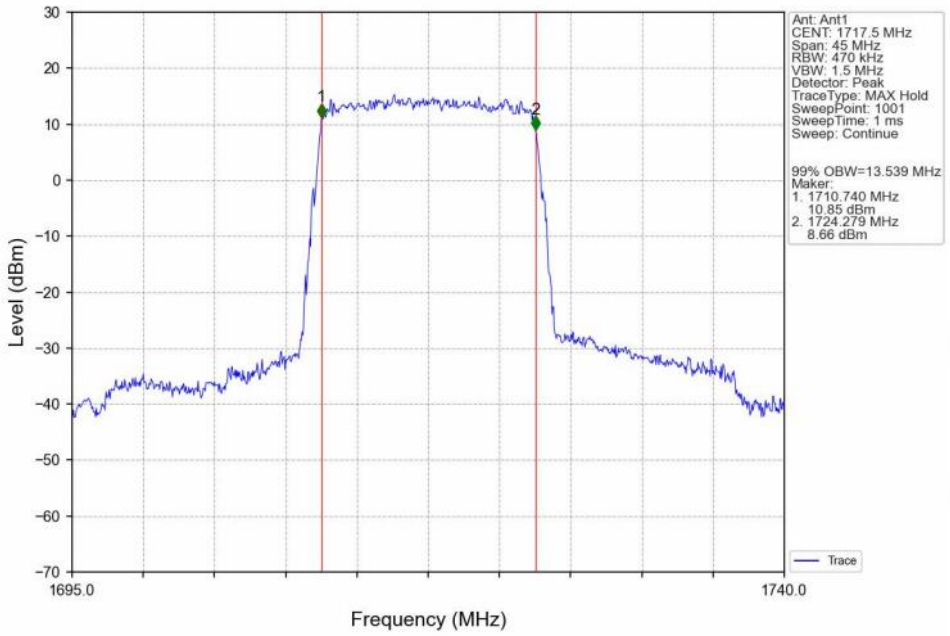
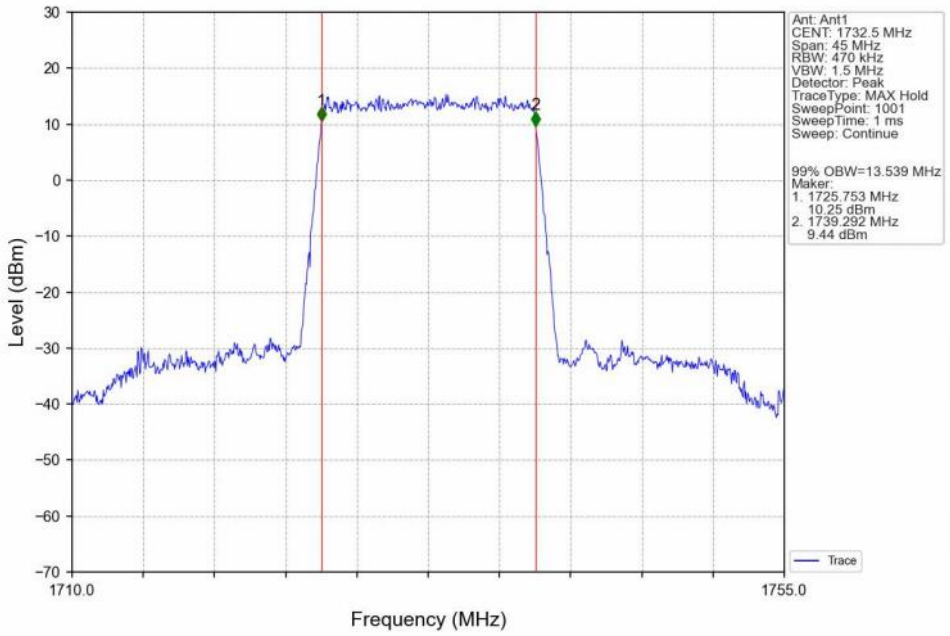
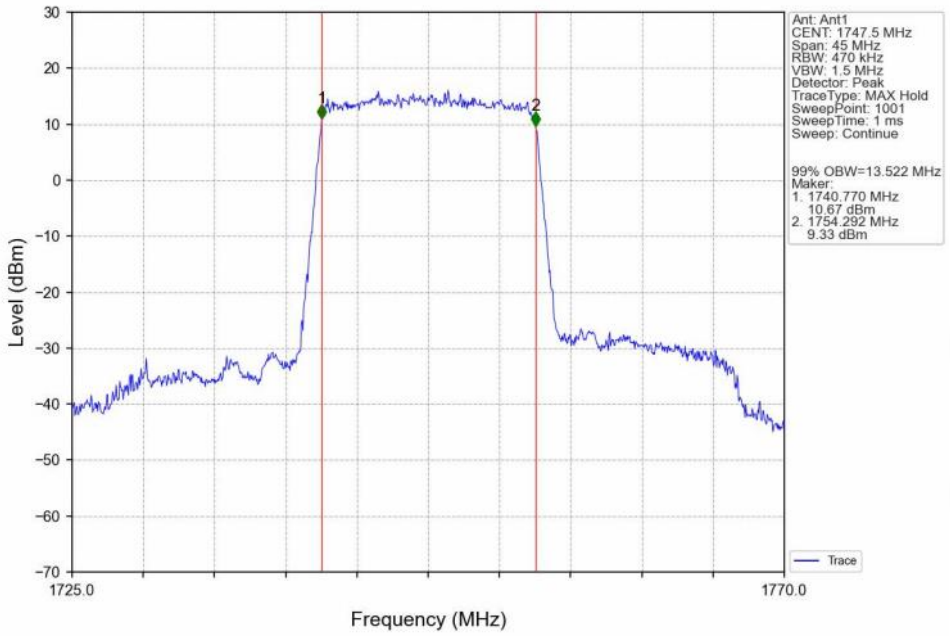
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



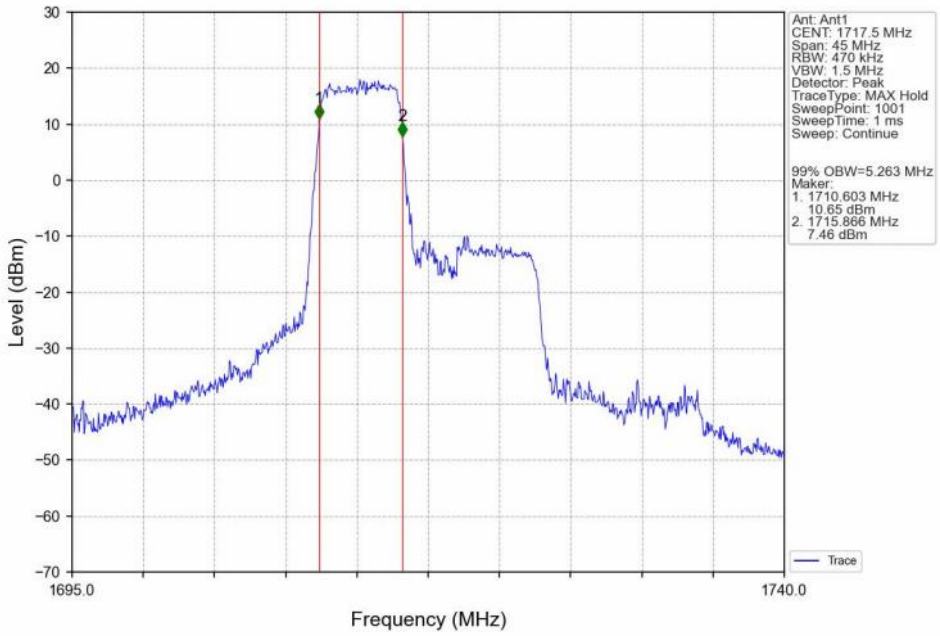
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



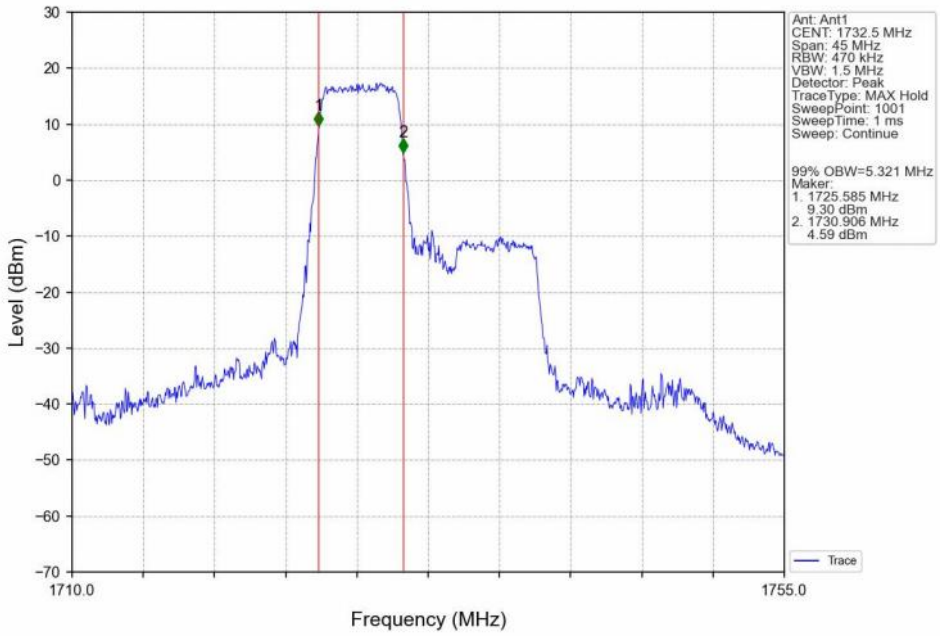
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



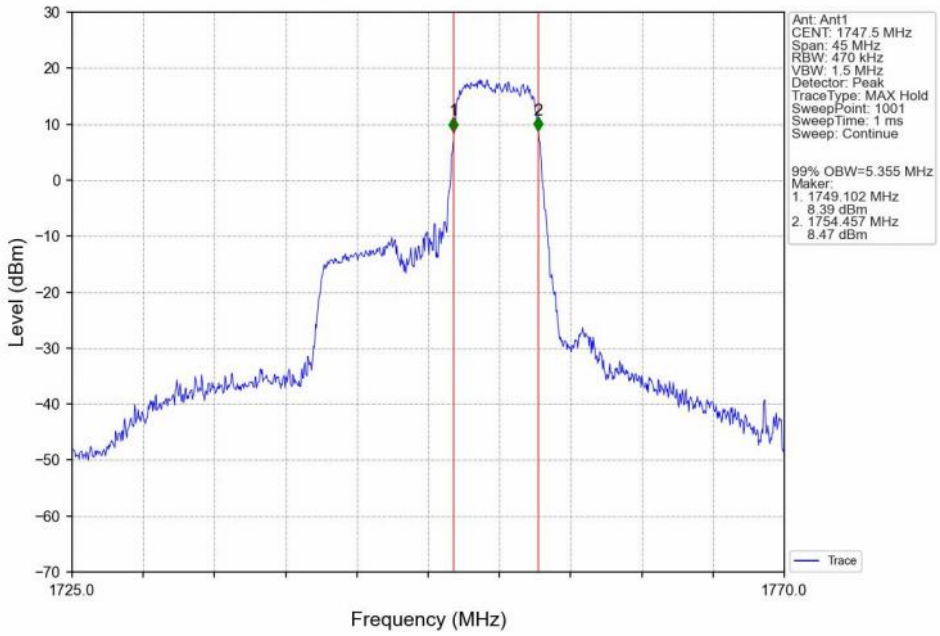
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



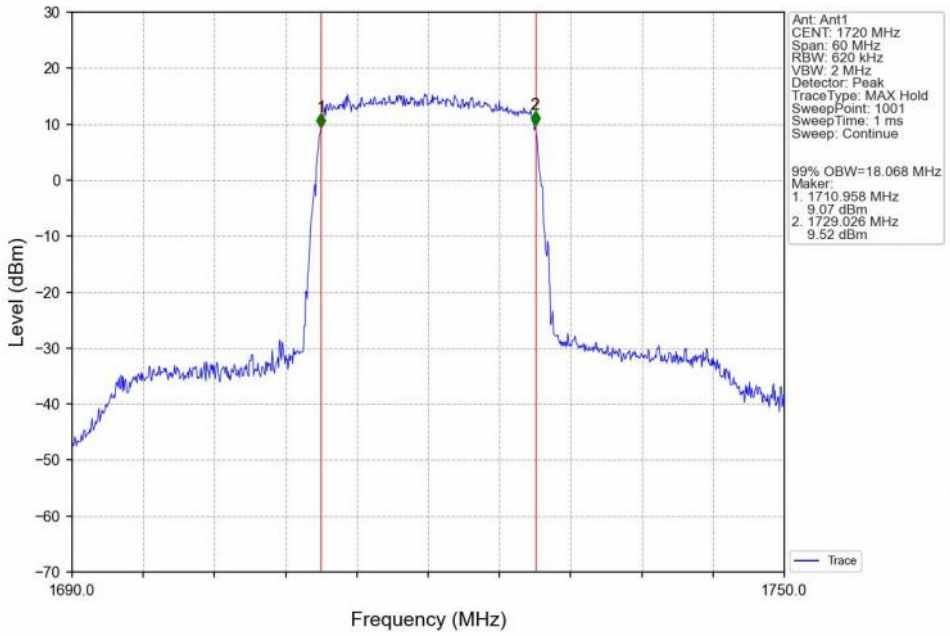
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



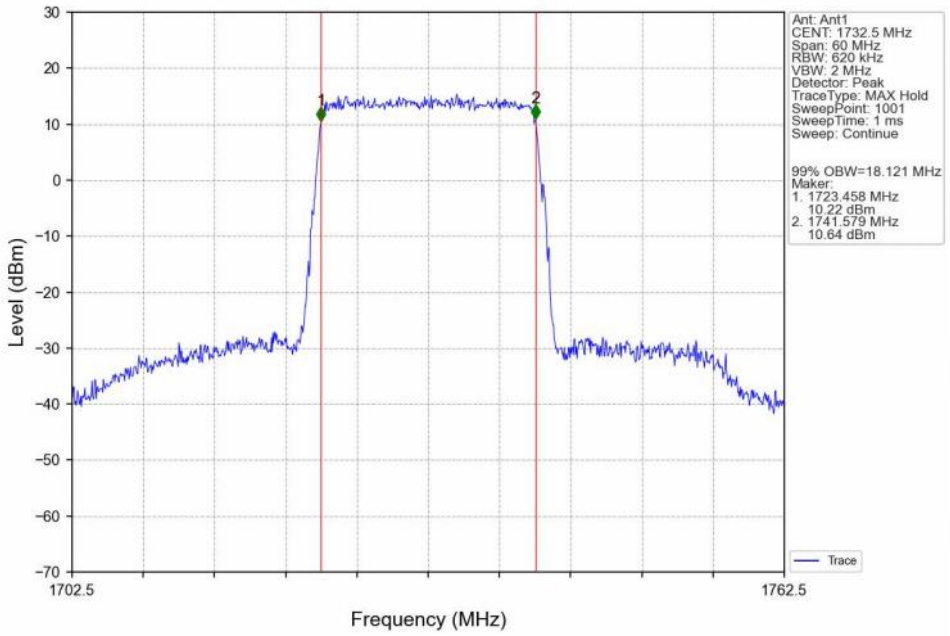
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



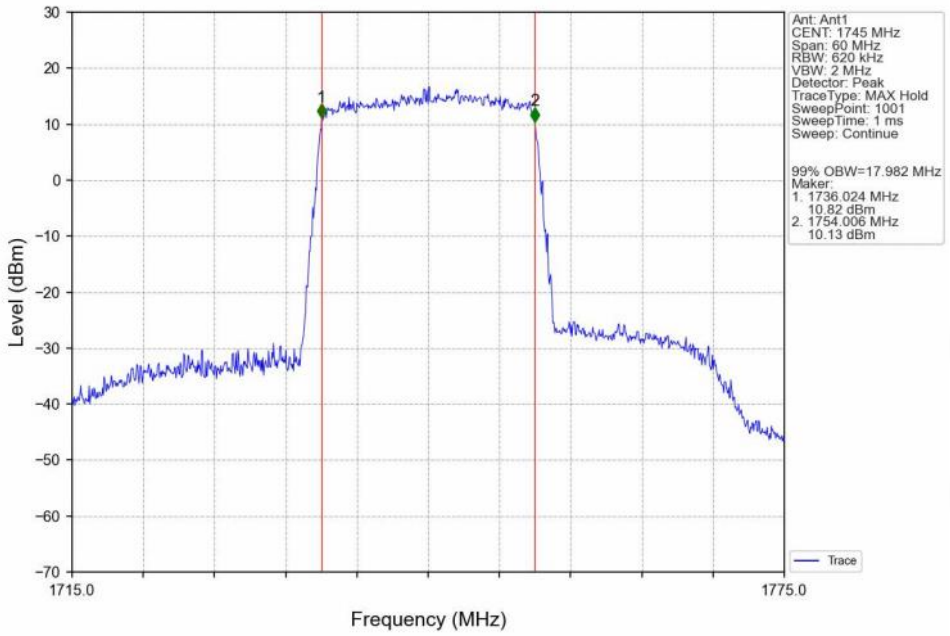
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



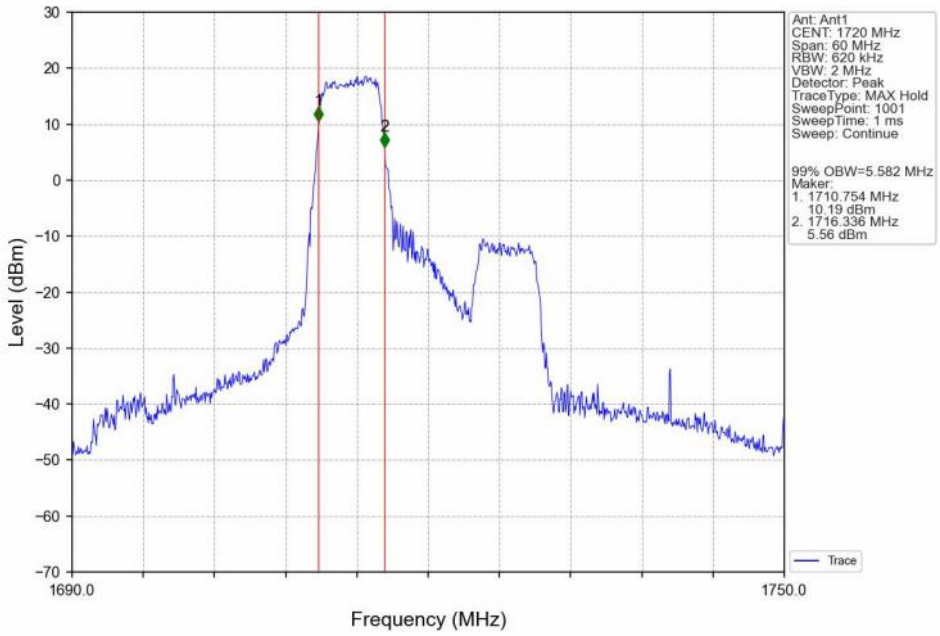
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



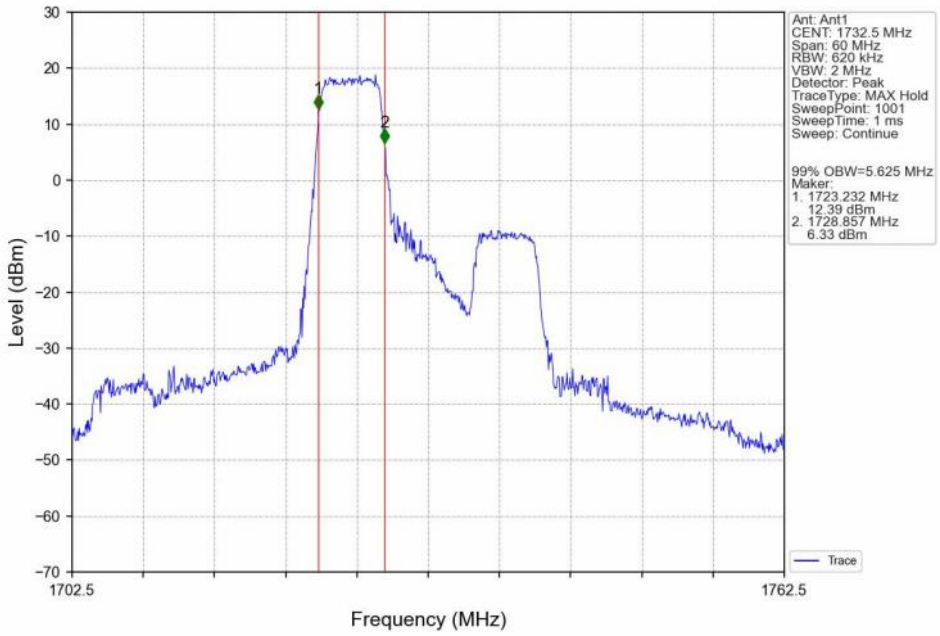
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



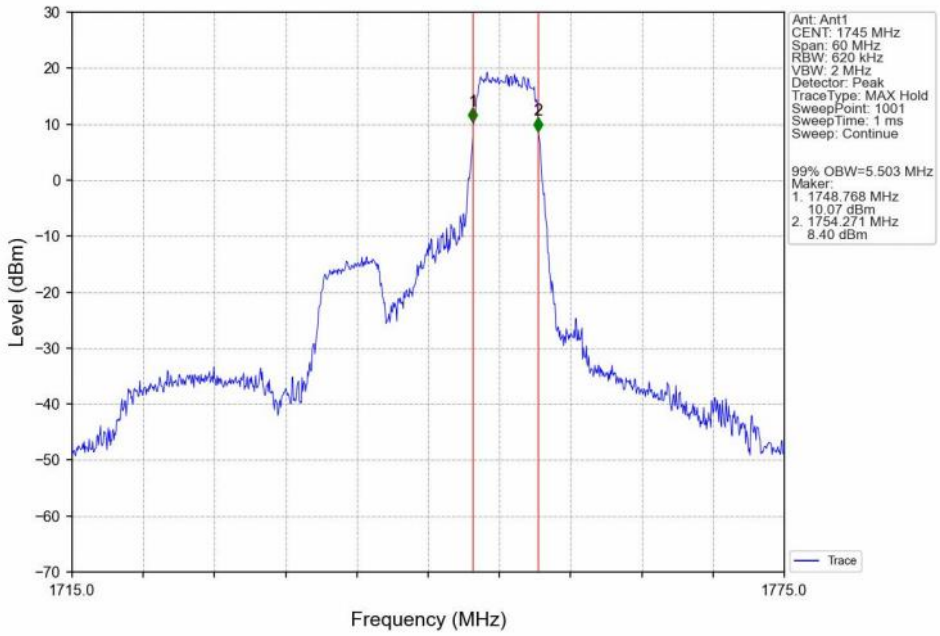
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

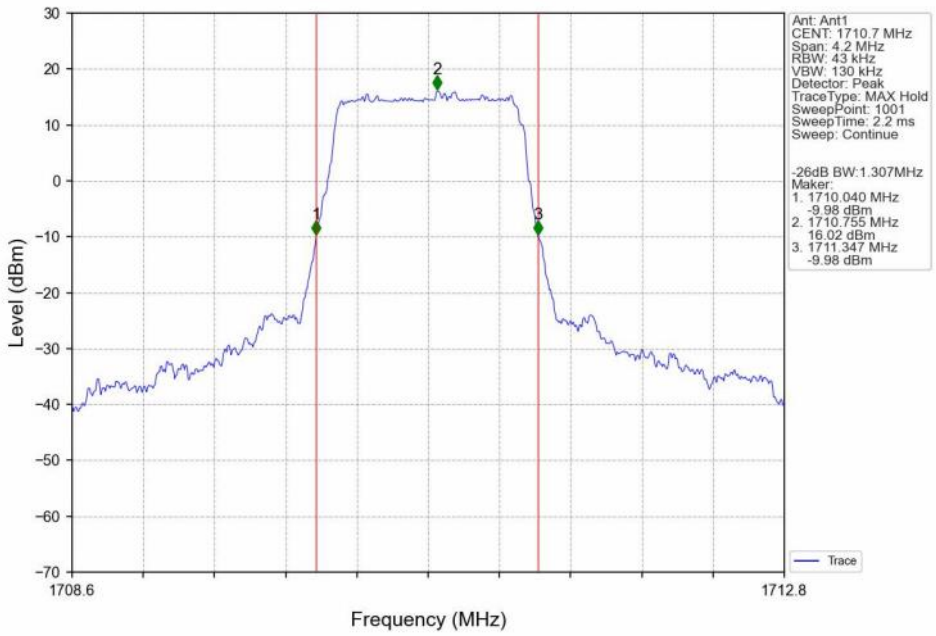


Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV

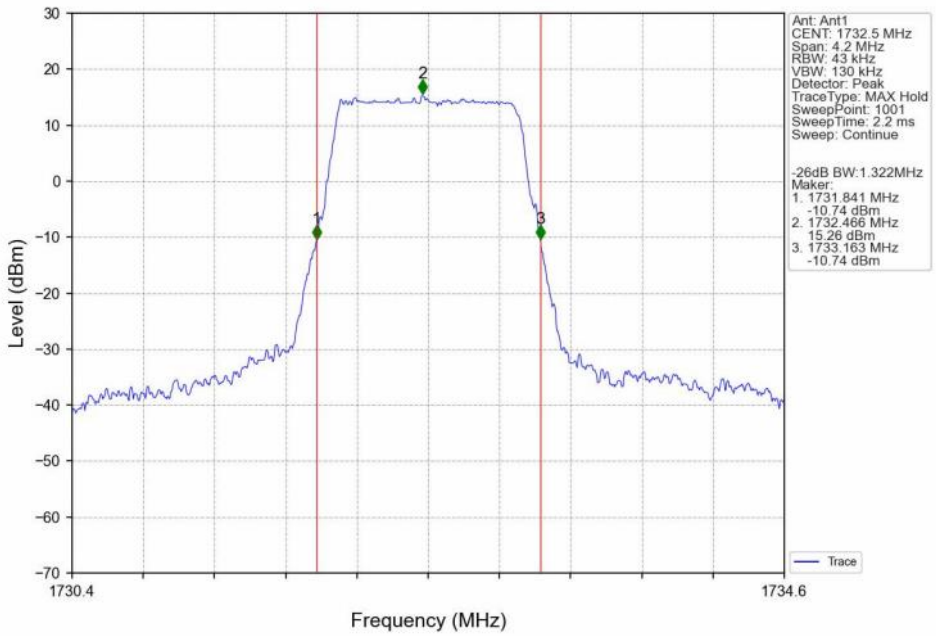


4.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



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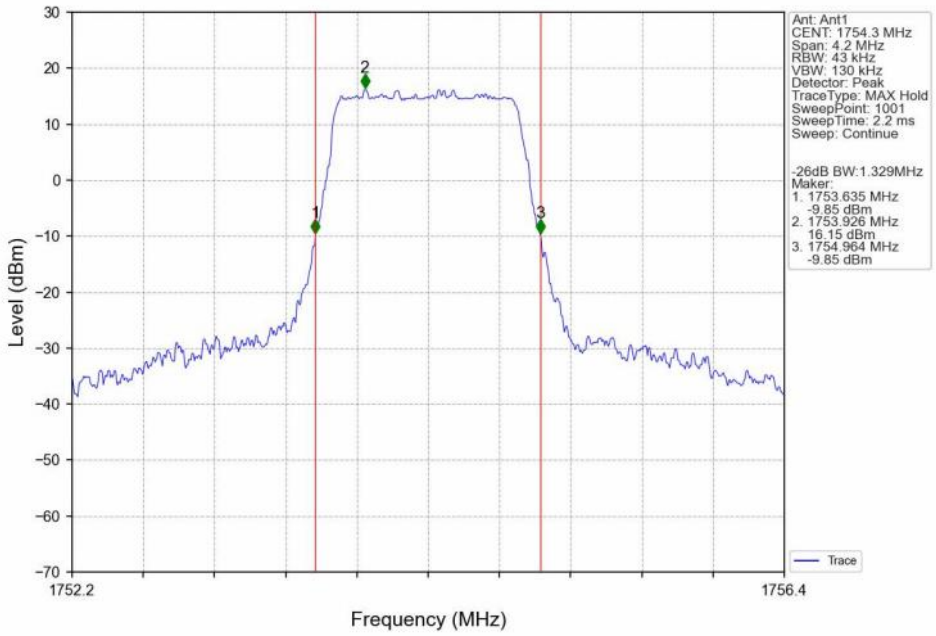
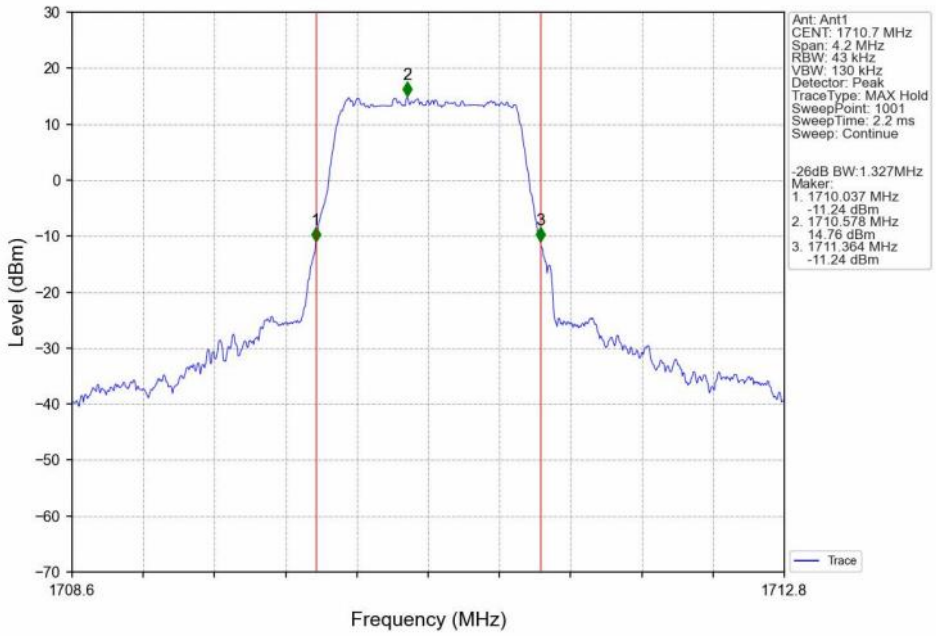
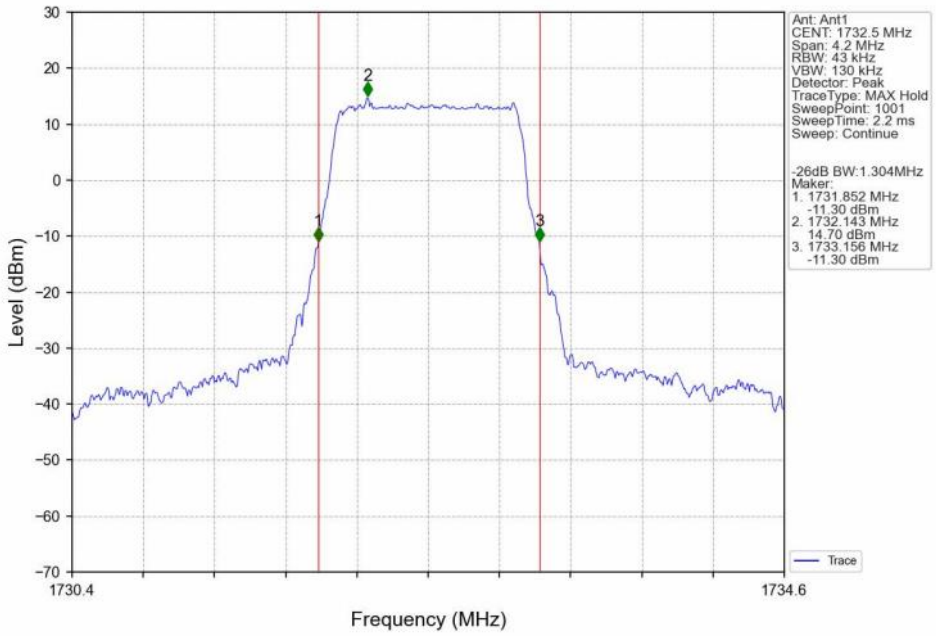
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



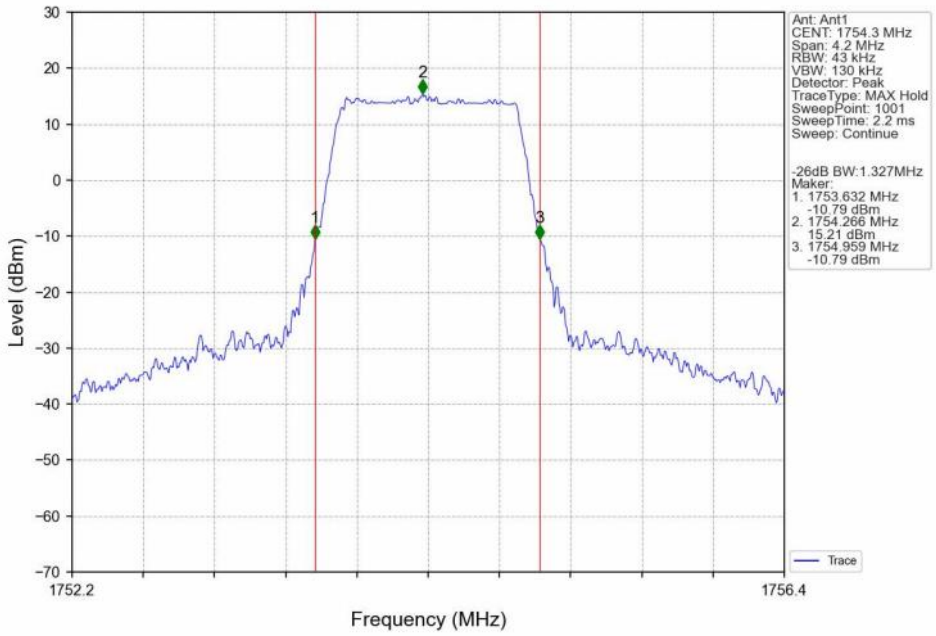
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



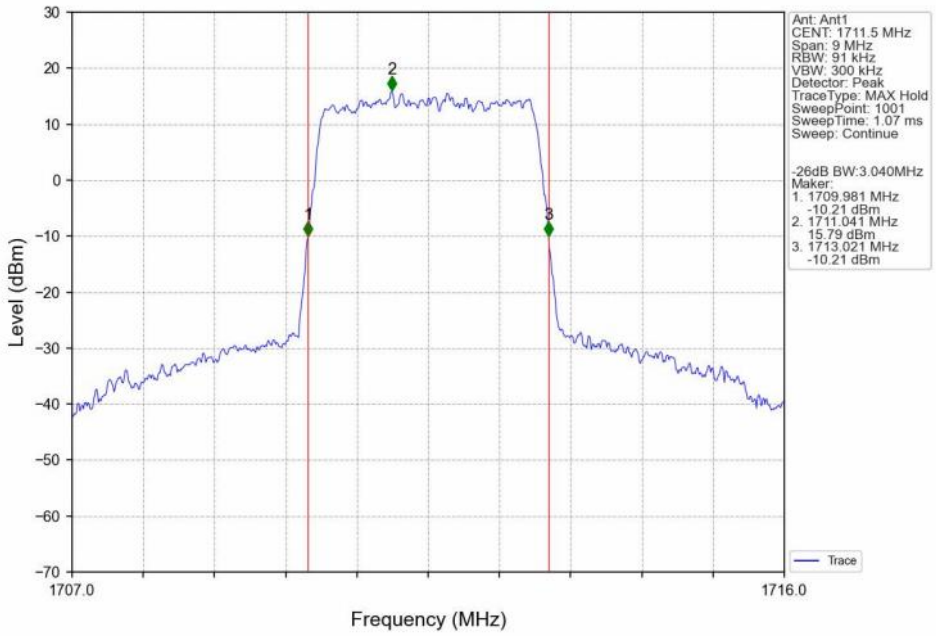
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



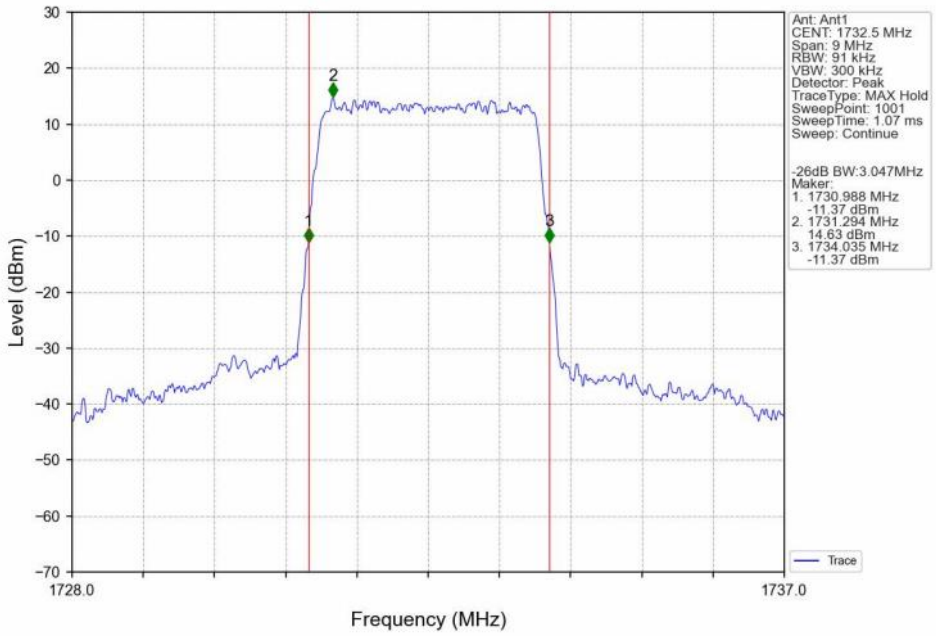
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



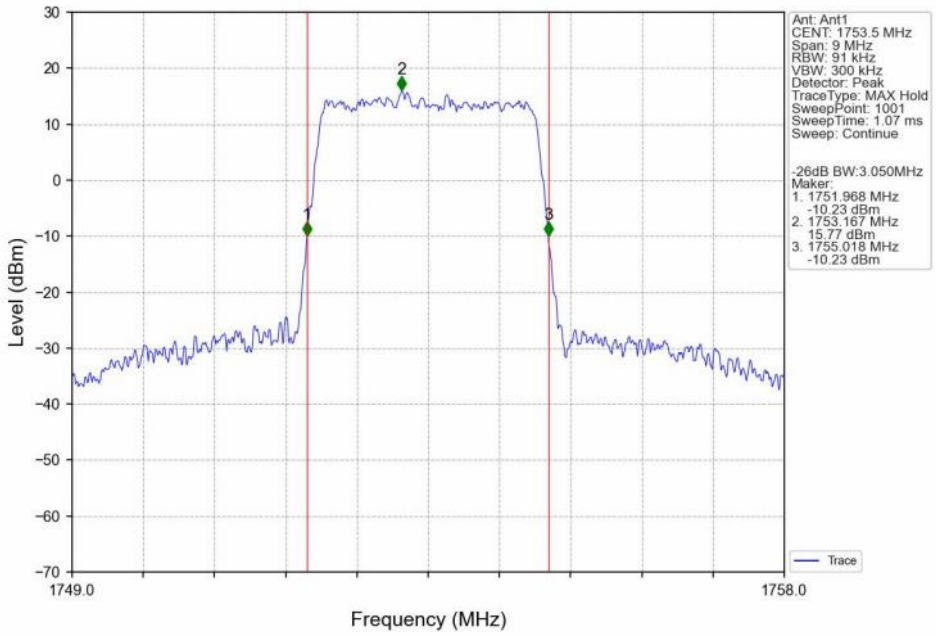
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



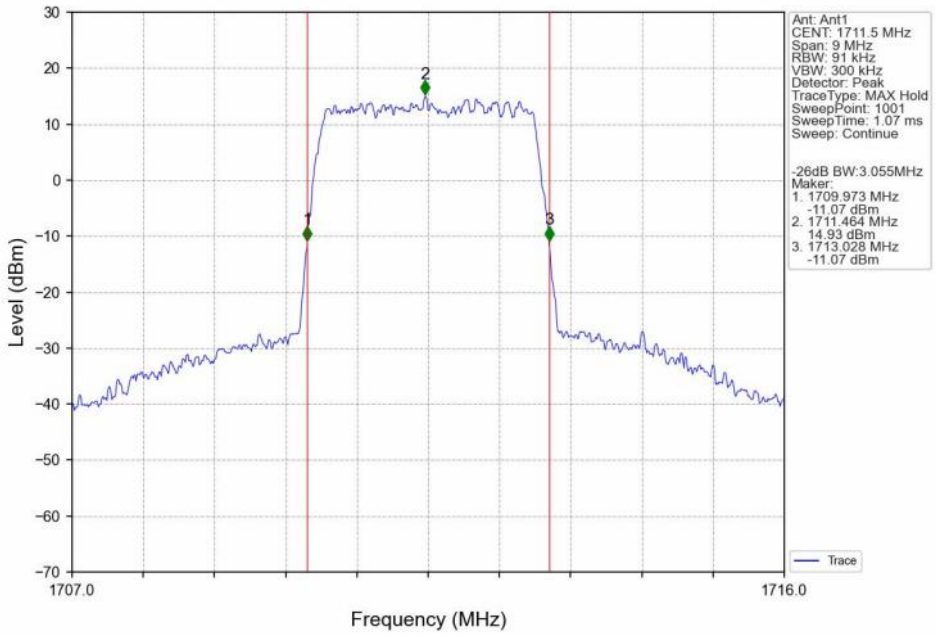
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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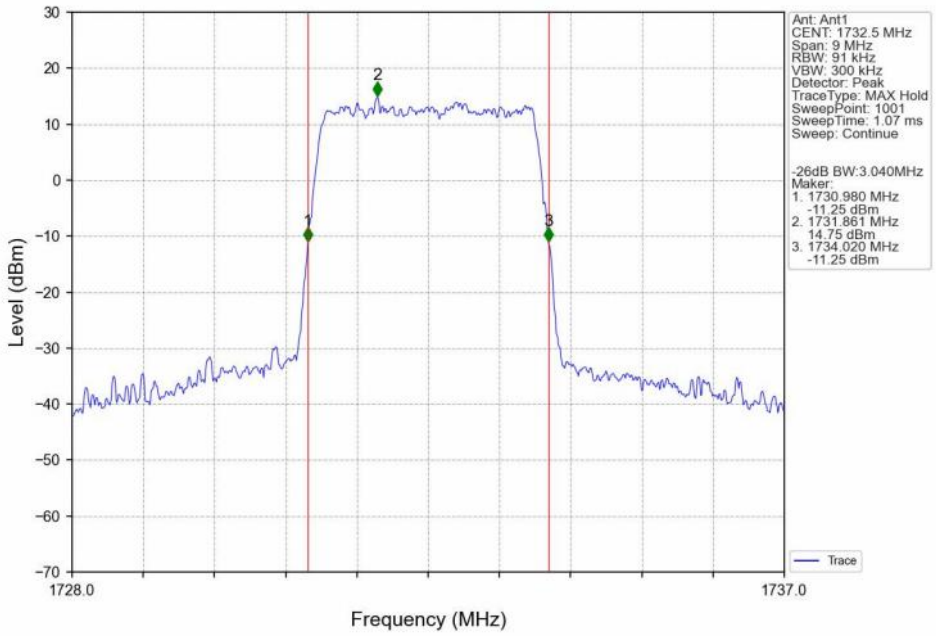
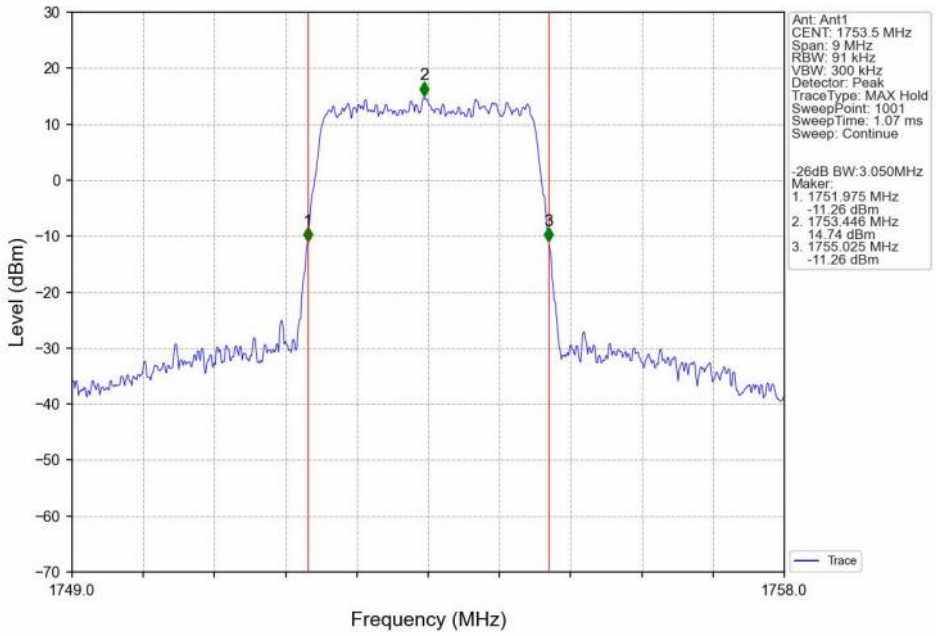
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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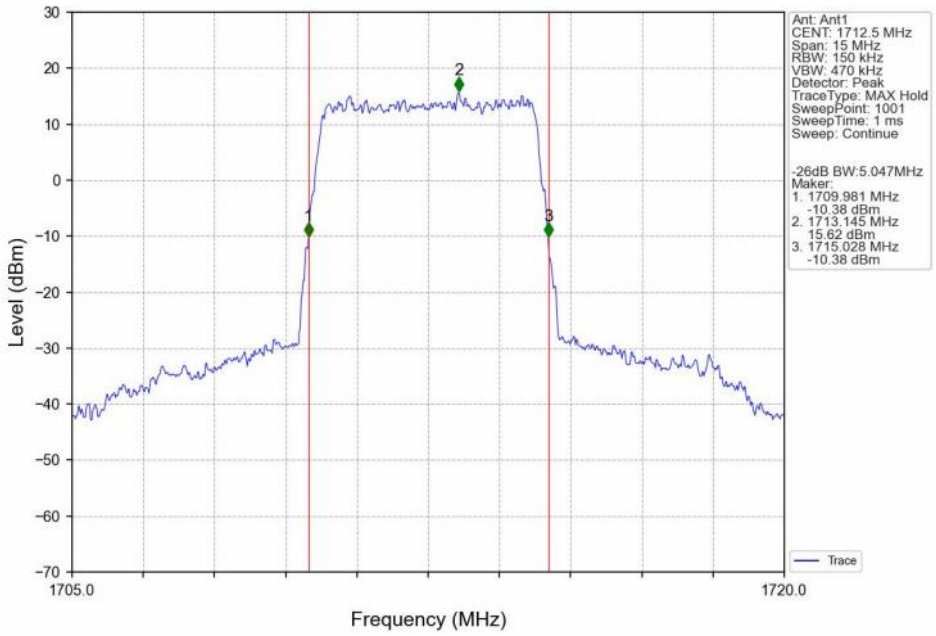
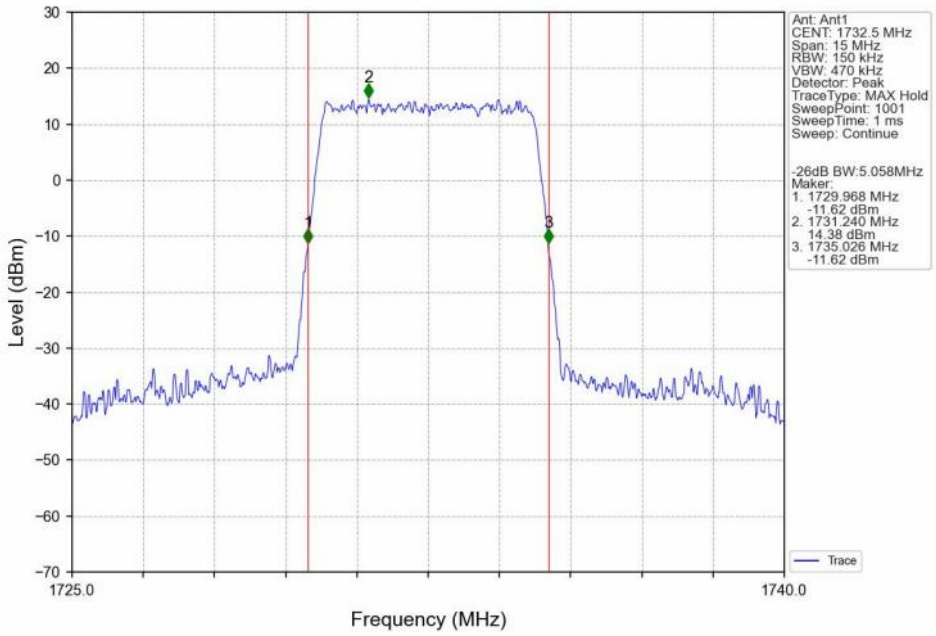
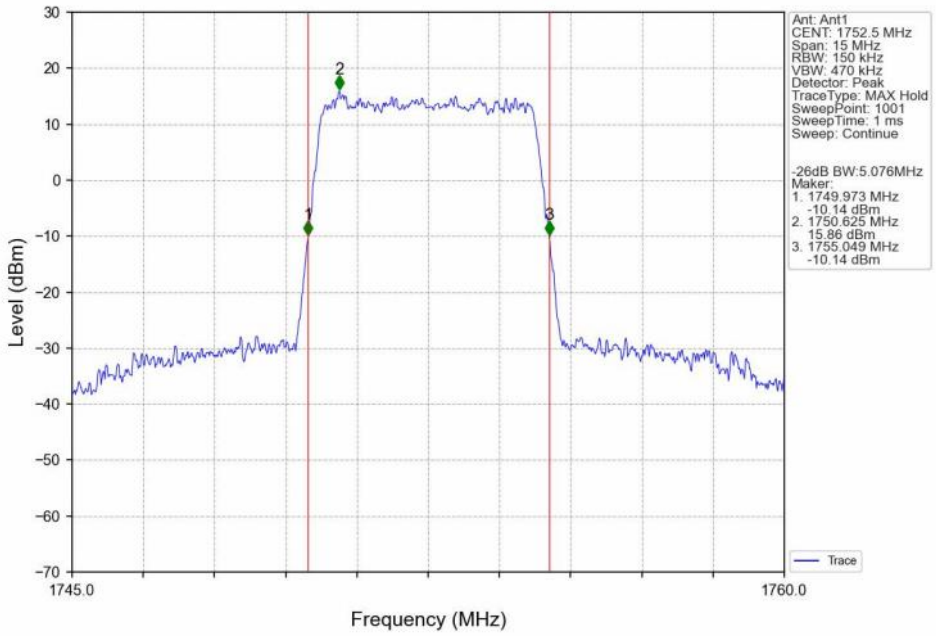
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



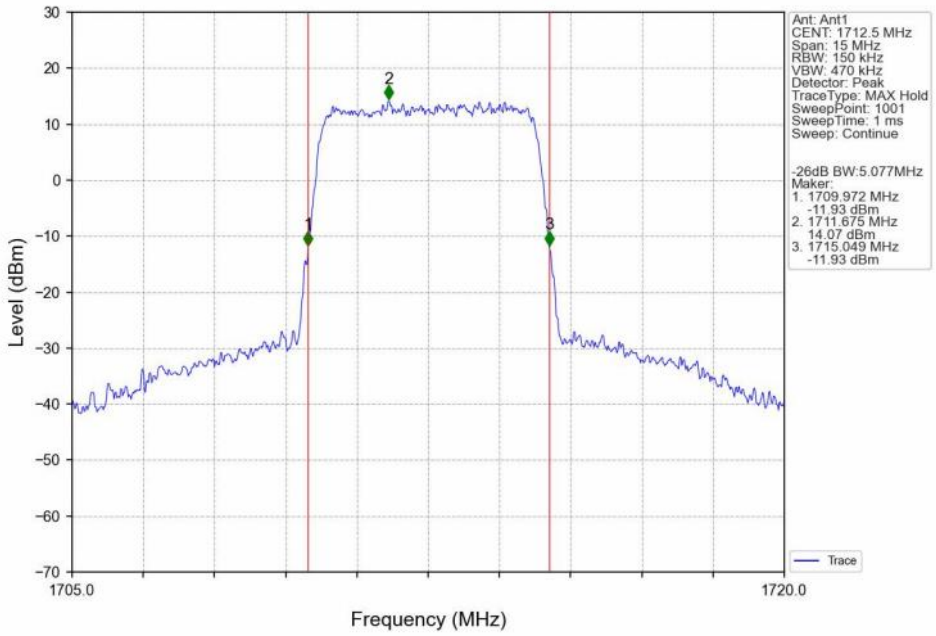
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



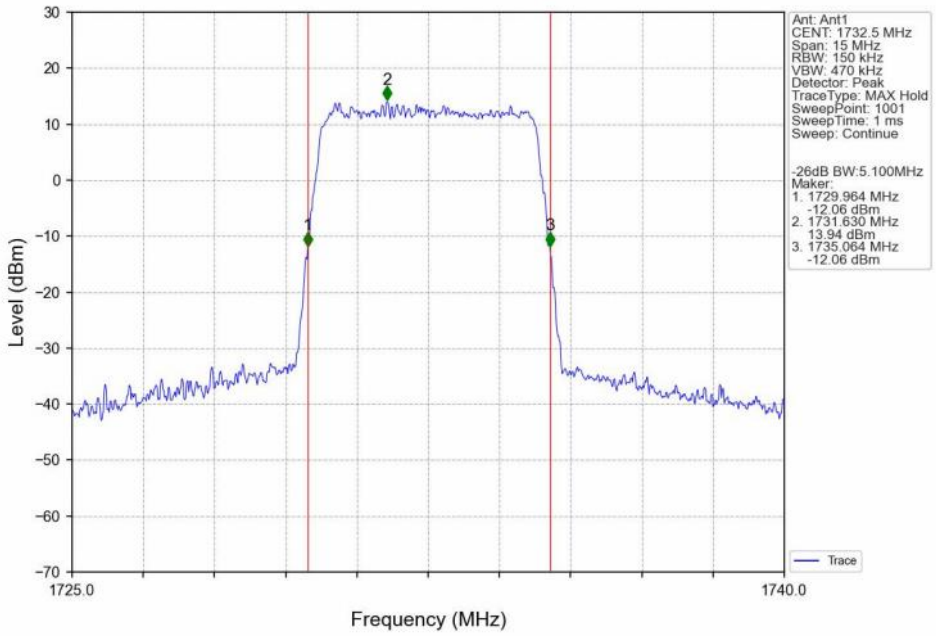
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



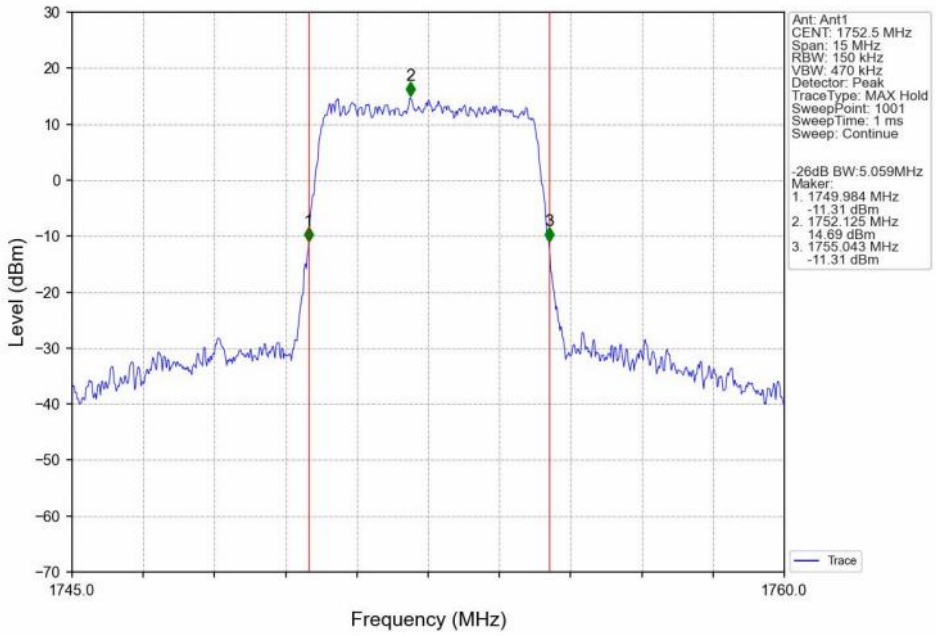
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



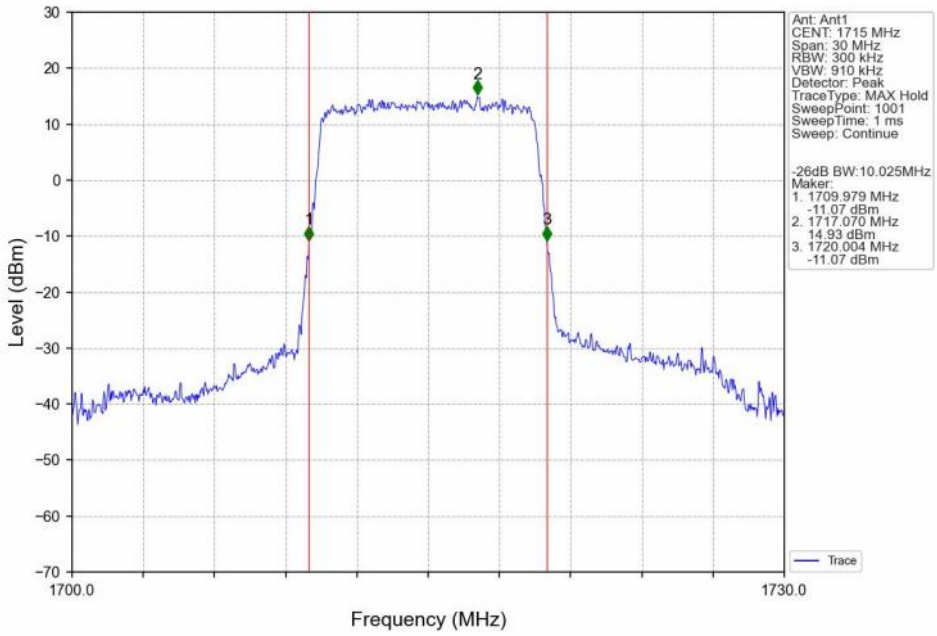
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



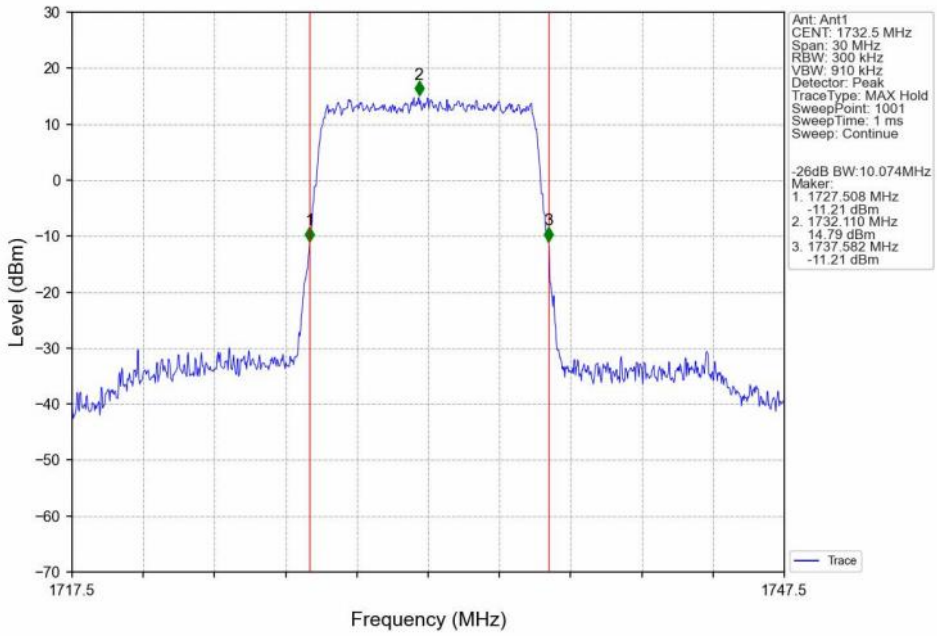
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



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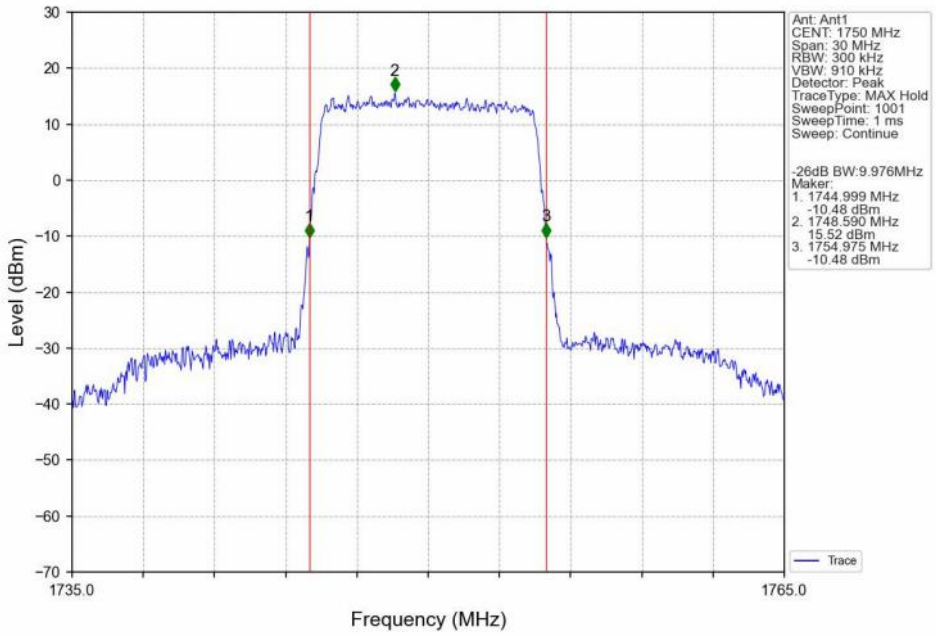
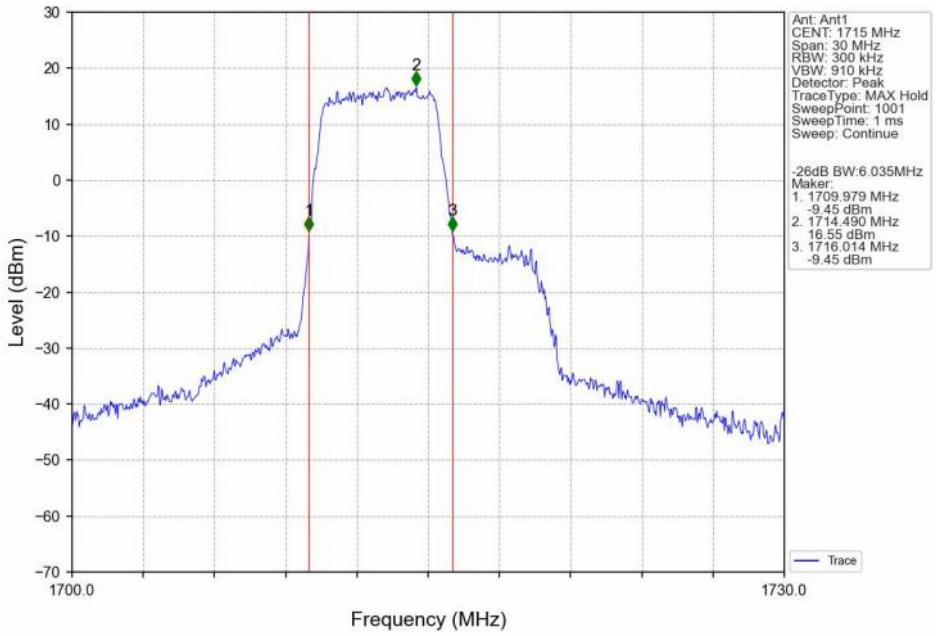
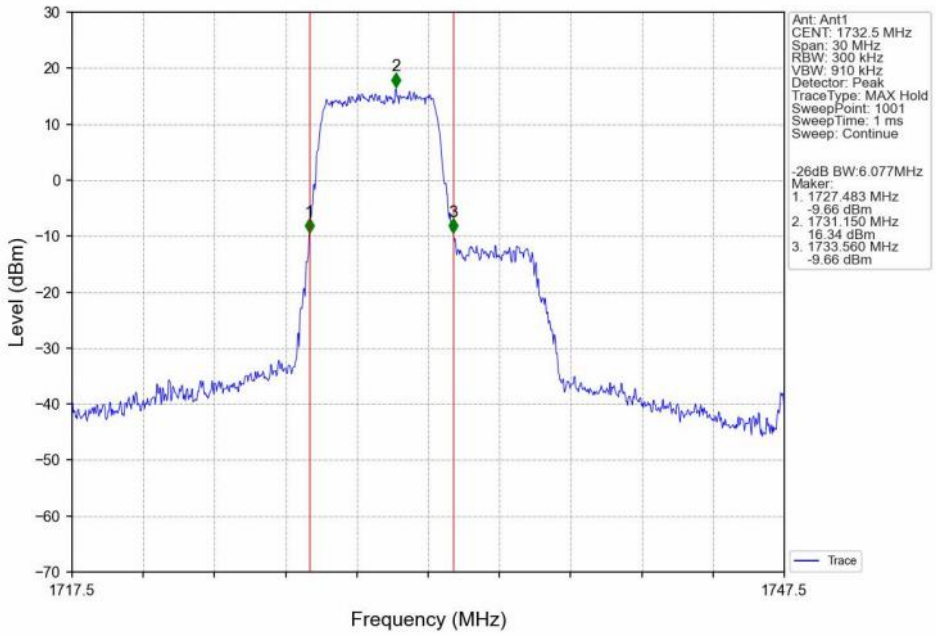
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



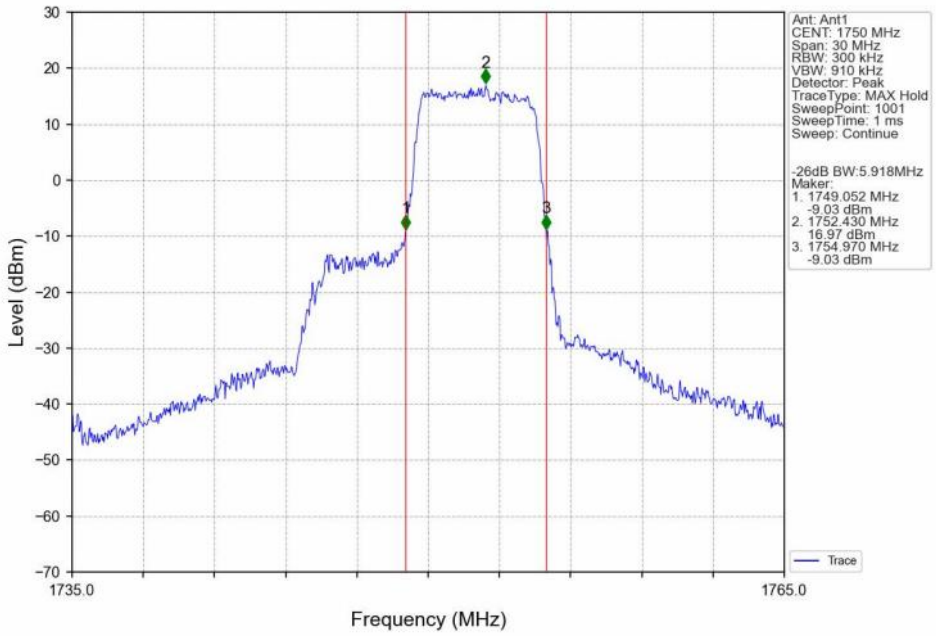
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



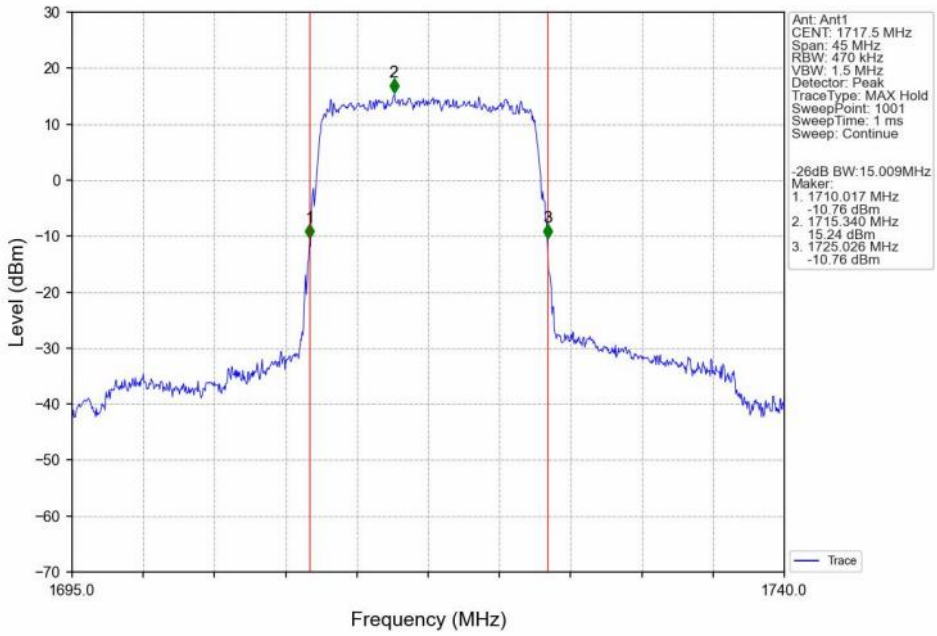
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



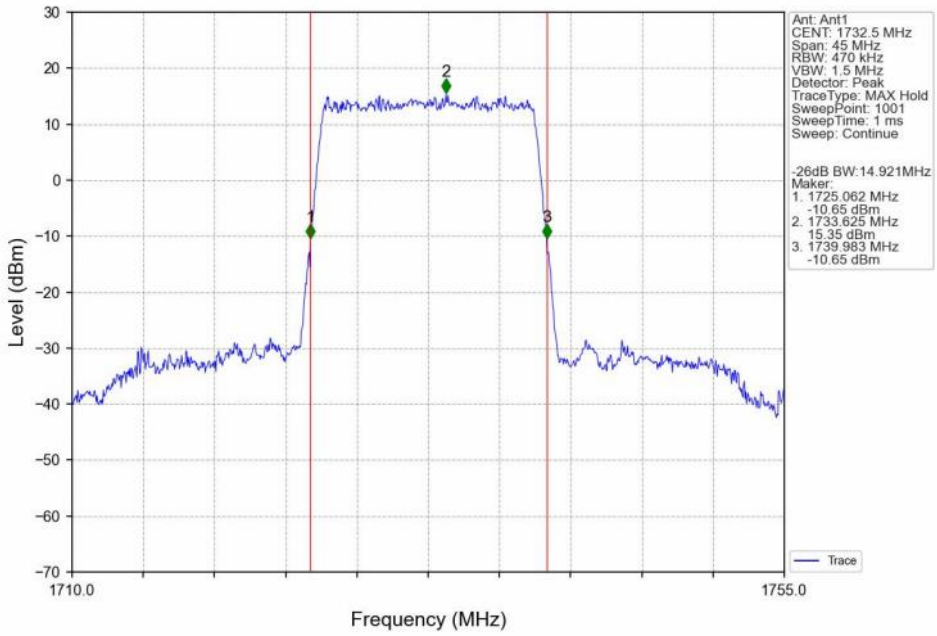
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



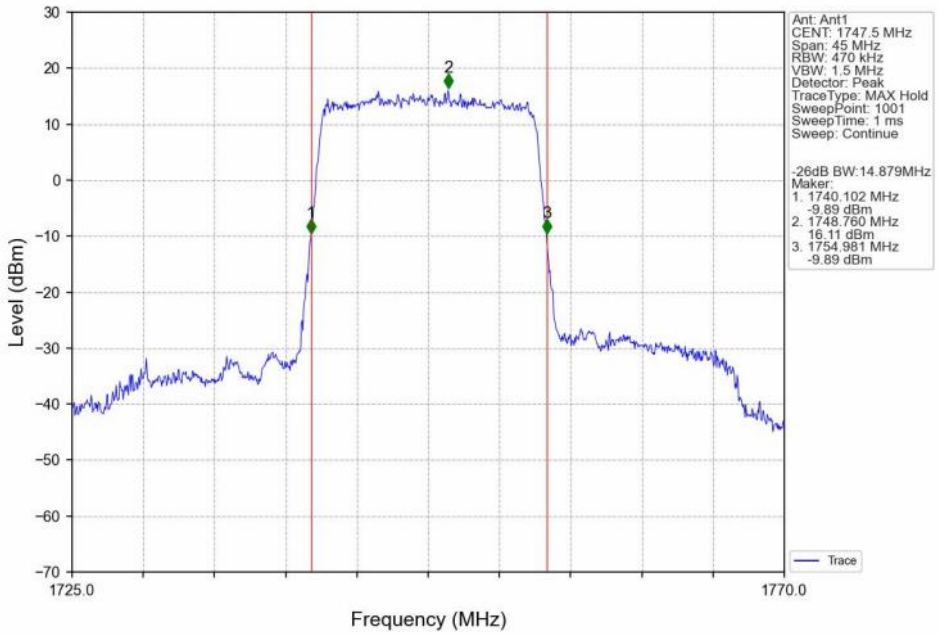
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



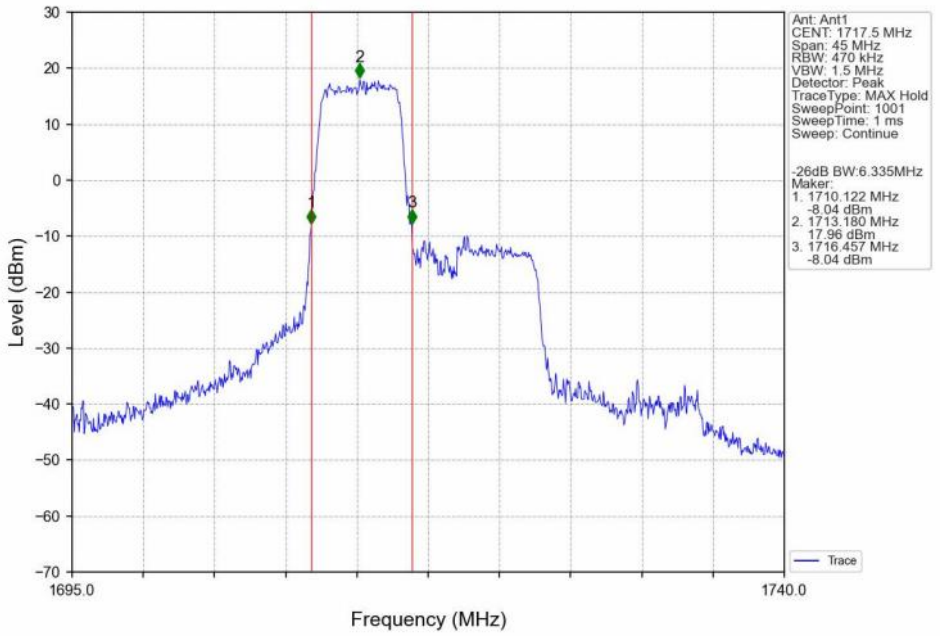
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



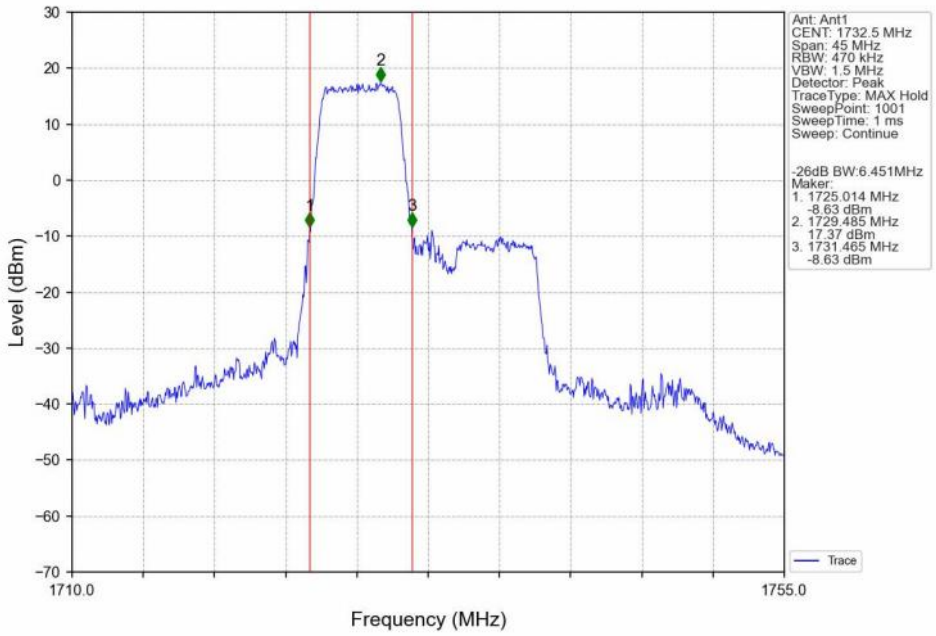
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



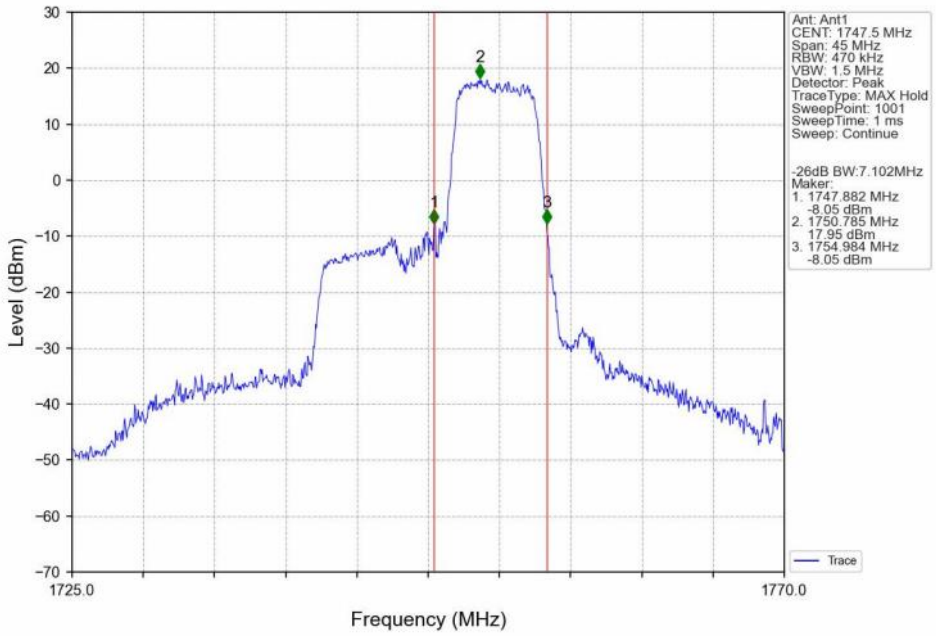
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



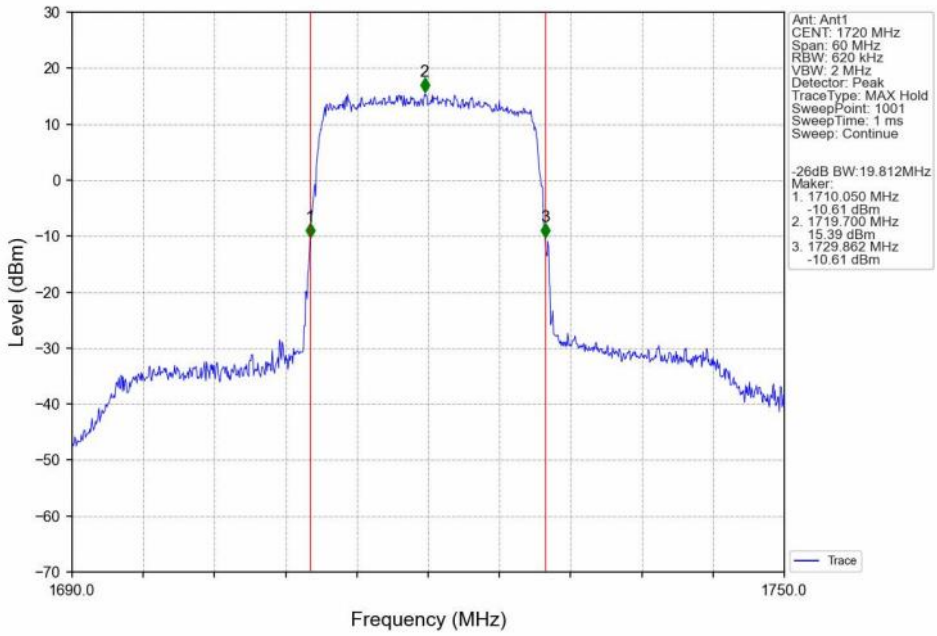
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



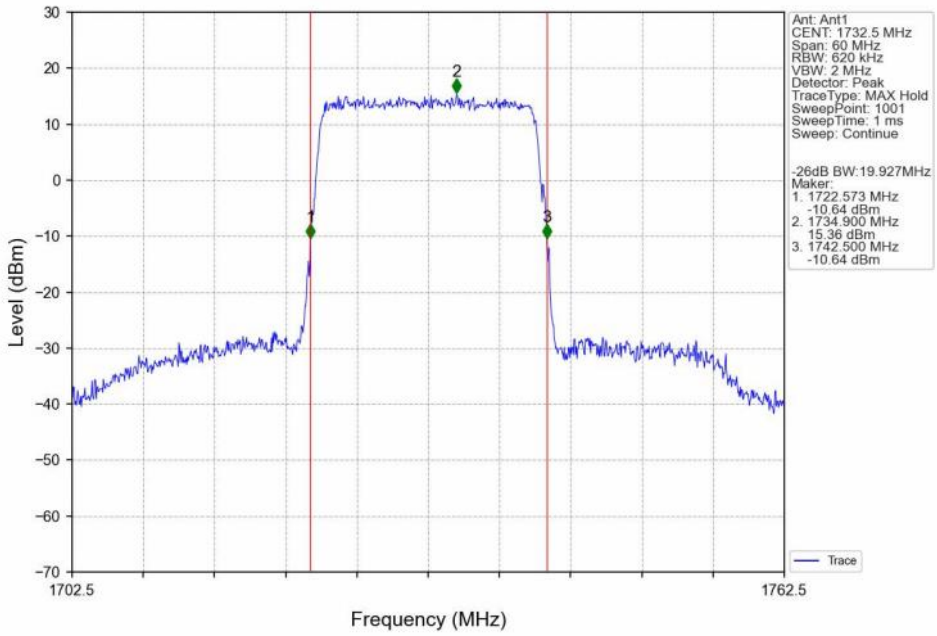
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



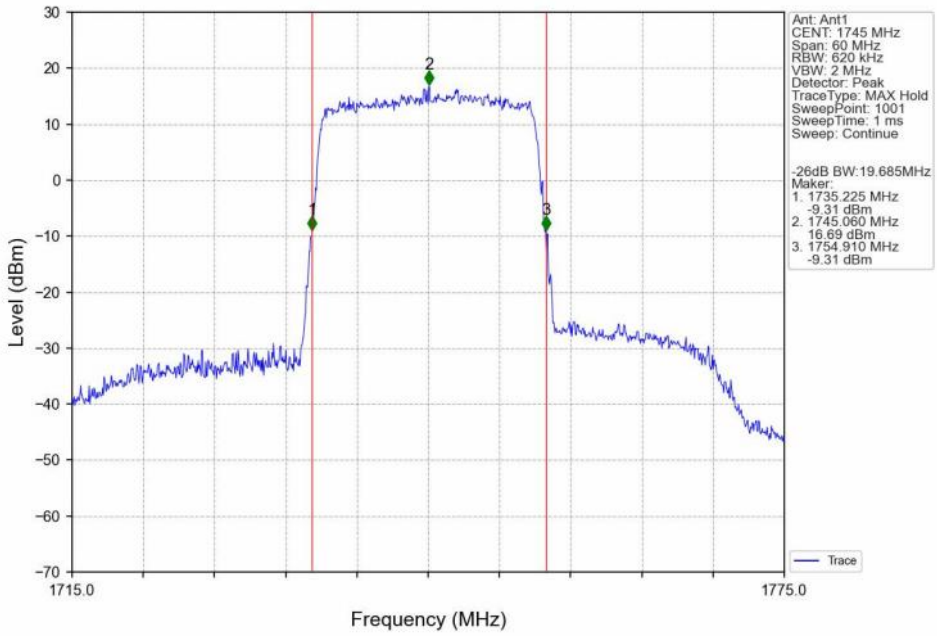
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



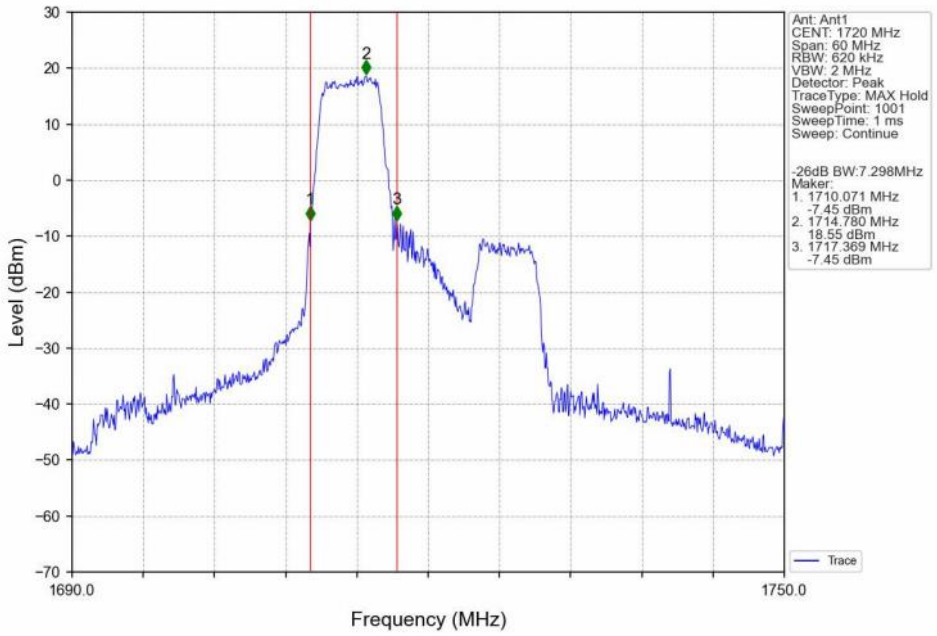
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



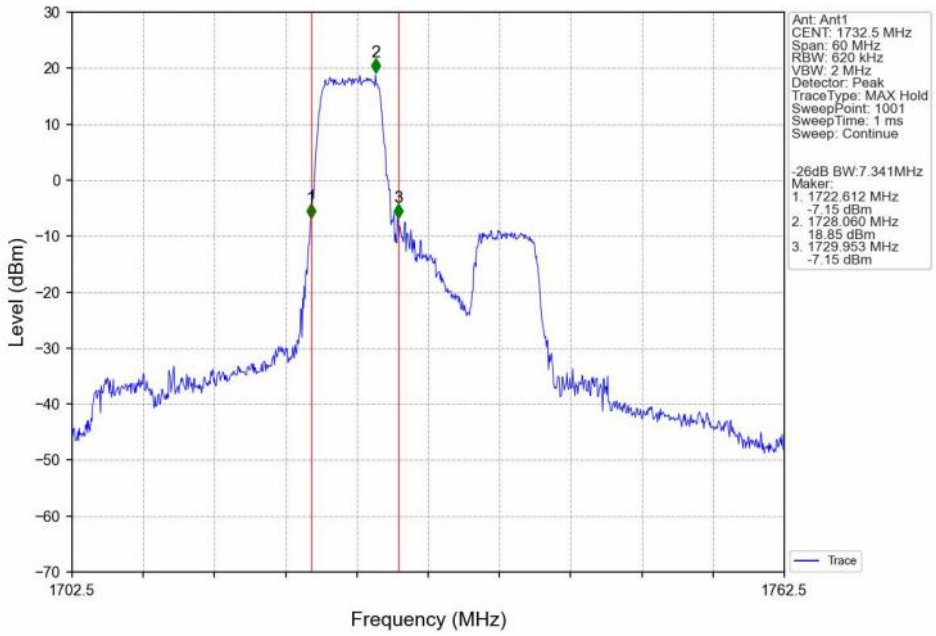
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



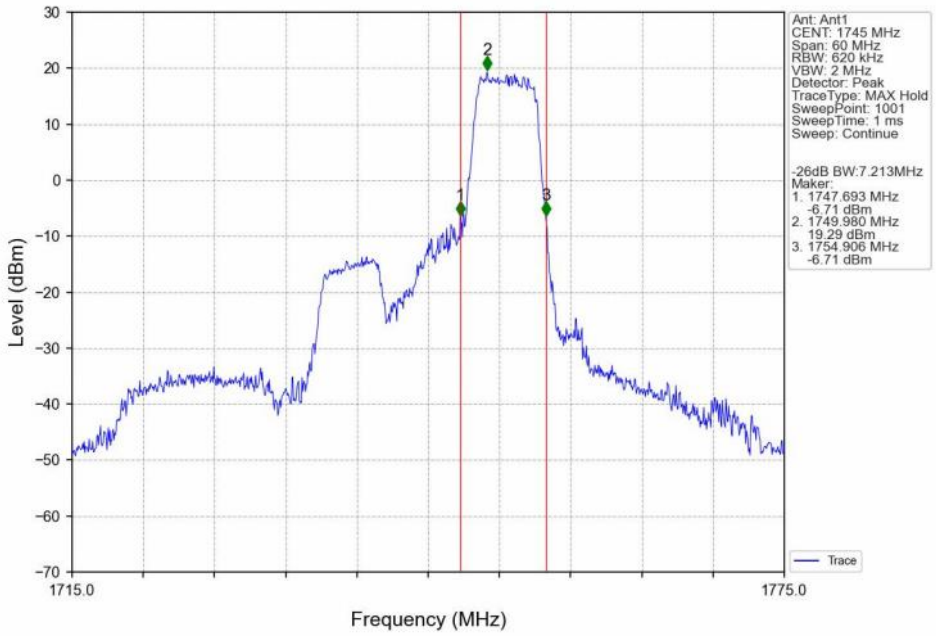
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



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	5.29	<=13	Pass
	1732.5	6	0	5.26	<=13	Pass
	1754.3	6	0	4.63	<=13	Pass
16QAM	1710.7	6	0	6.19	<=13	Pass
	1732.5	6	0	6.05	<=13	Pass
	1754.3	6	0	5.64	<=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	5.36	<=13	Pass
	1732.5	15	0	5.25	<=13	Pass
	1753.5	15	0	4.97	<=13	Pass
16QAM	1711.5	15	0	6.19	<=13	Pass
	1732.5	15	0	6.08	<=13	Pass
	1753.5	15	0	5.82	<=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	5.31	<=13	Pass
	1732.5	25	0	5.30	<=13	Pass
	1752.5	25	0	5.05	<=13	Pass
16QAM	1712.5	25	0	6.12	<=13	Pass
	1732.5	25	0	6.08	<=13	Pass
	1752.5	25	0	5.90	<=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	5.23	<=13	Pass
	1732.5	50	0	5.26	<=13	Pass
	1750	50	0	5.07	<=13	Pass
16QAM	1715	27	0	5.92	<=13	Pass
	1732.5	27	0	5.88	<=13	Pass
	1750	27	23	5.63	<=13	Pass

5.1.5 B4_15MHz

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

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	(MHz)	Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.27	<=13	Pass
	1732.5	75	0	5.37	<=13	Pass
	1747.5	75	0	5.13	<=13	Pass
16QAM	1717.5	27	0	5.90	<=13	Pass
	1732.5	27	0	5.81	<=13	Pass
	1747.5	27	48	5.54	<=13	Pass

5.1.6 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	5.07	<=13	Pass
	1732.5	100	0	5.24	<=13	Pass
	1745	100	0	5.02	<=13	Pass
16QAM	1720	27	0	5.89	<=13	Pass
	1732.5	27	0	5.81	<=13	Pass
	1745	27	73	5.59	<=13	Pass

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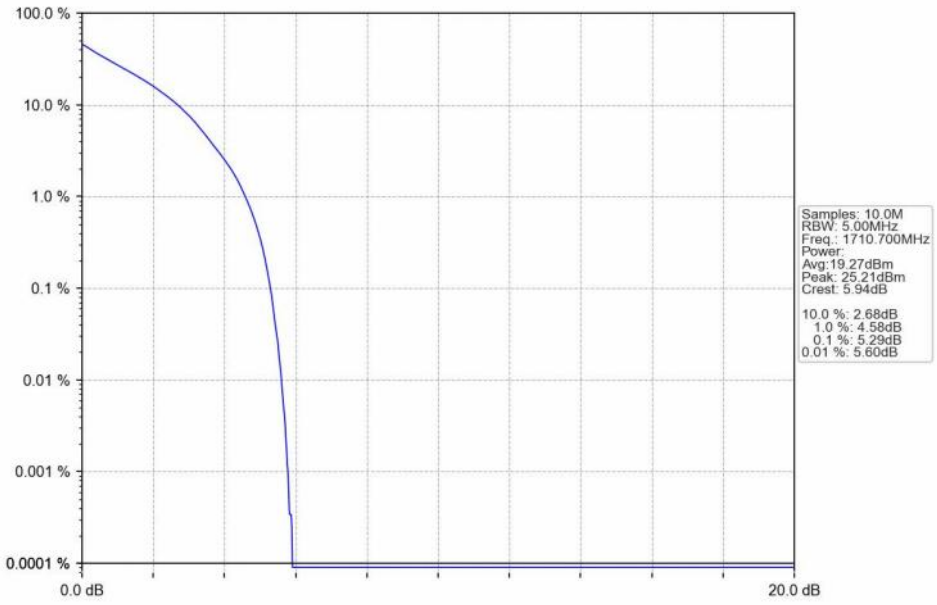
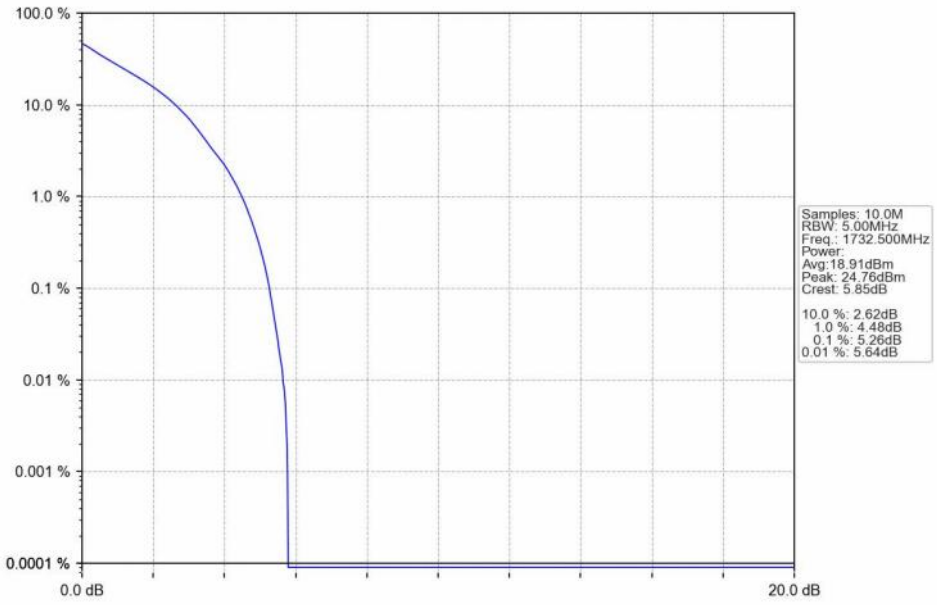
5.2 Test Graph

5.2.1 B4_1.4MHz

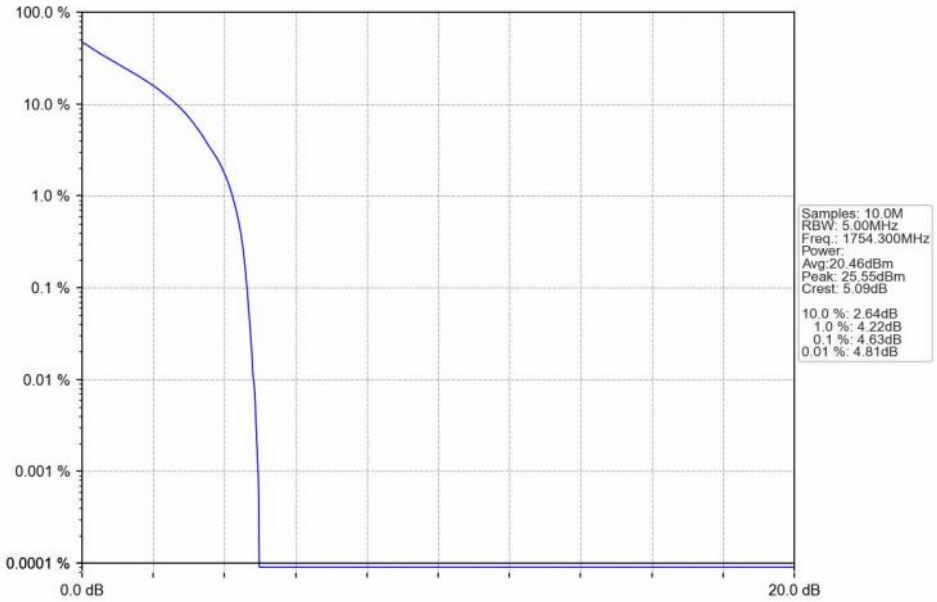
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



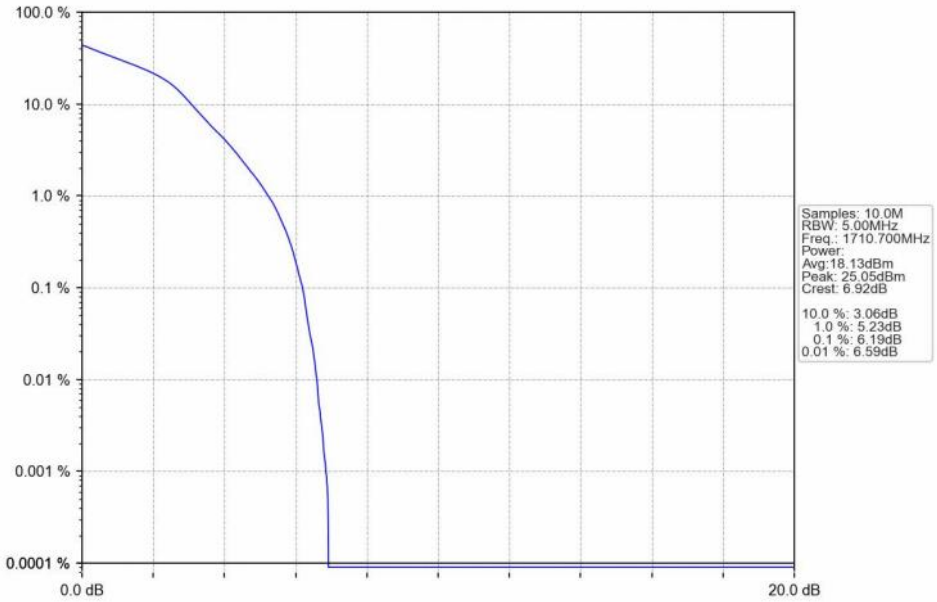
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



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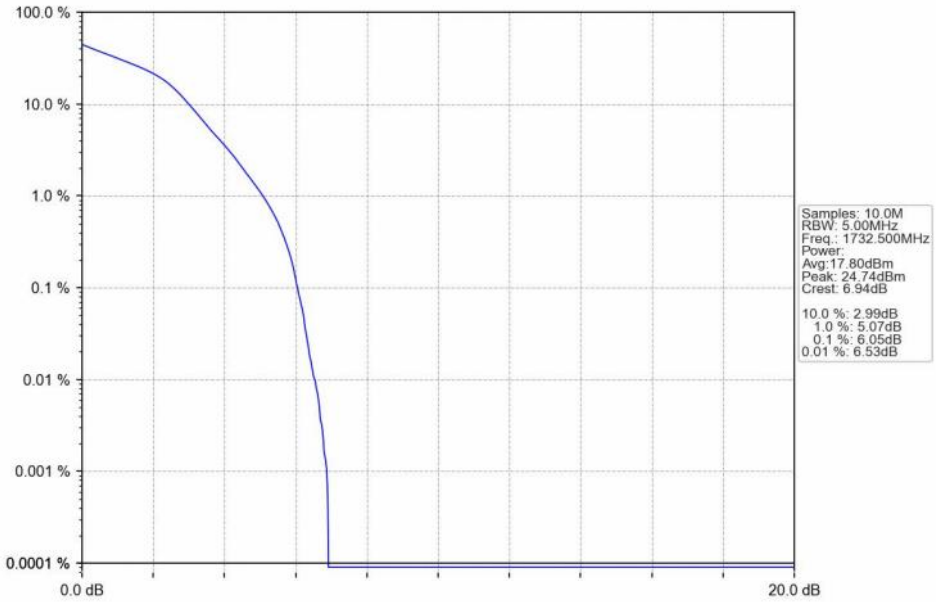
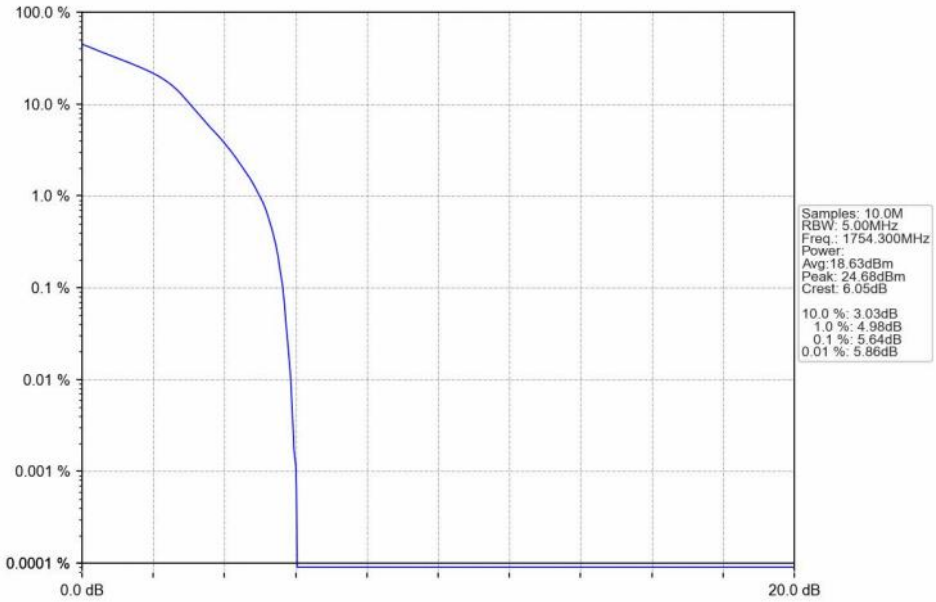
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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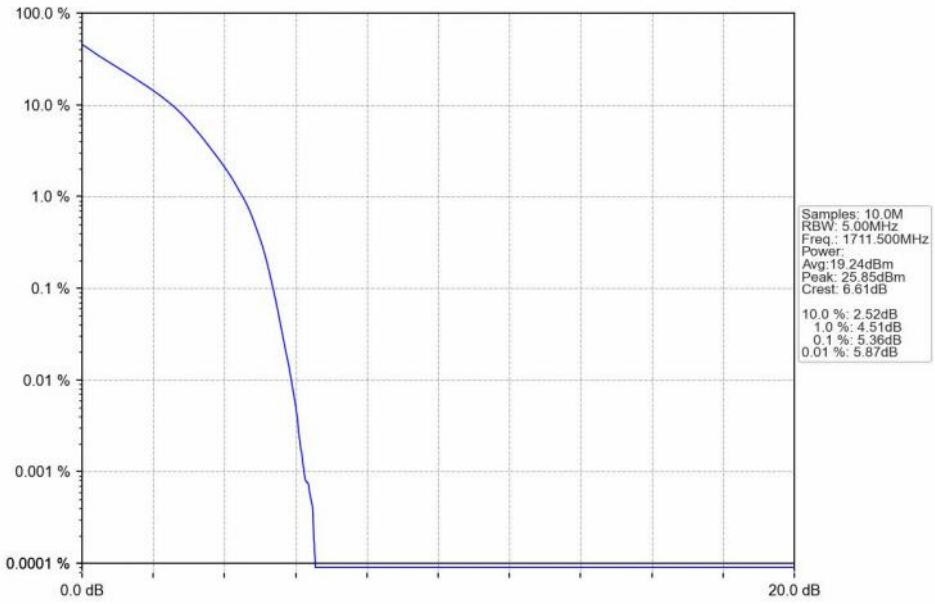
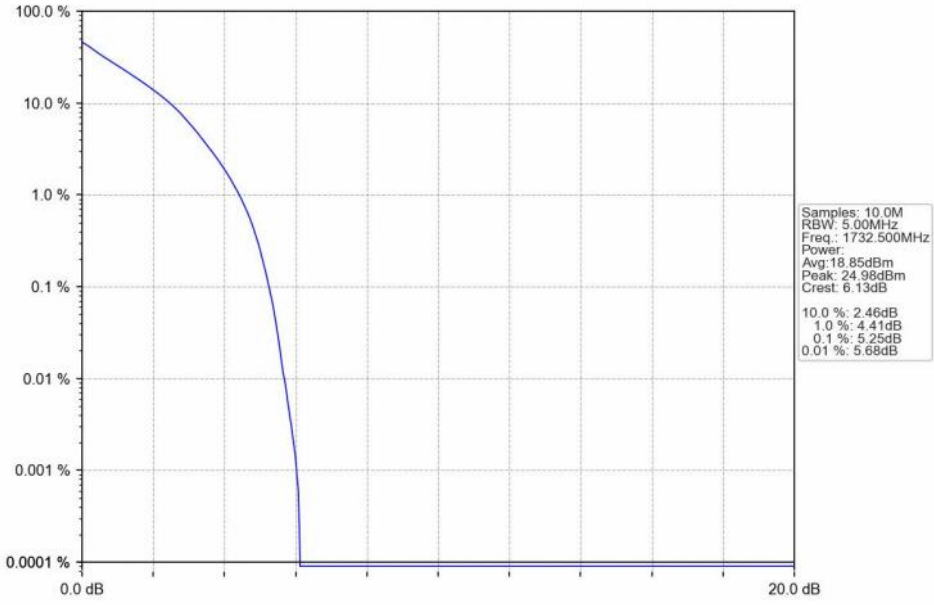
5.2.2 B4_3MHz

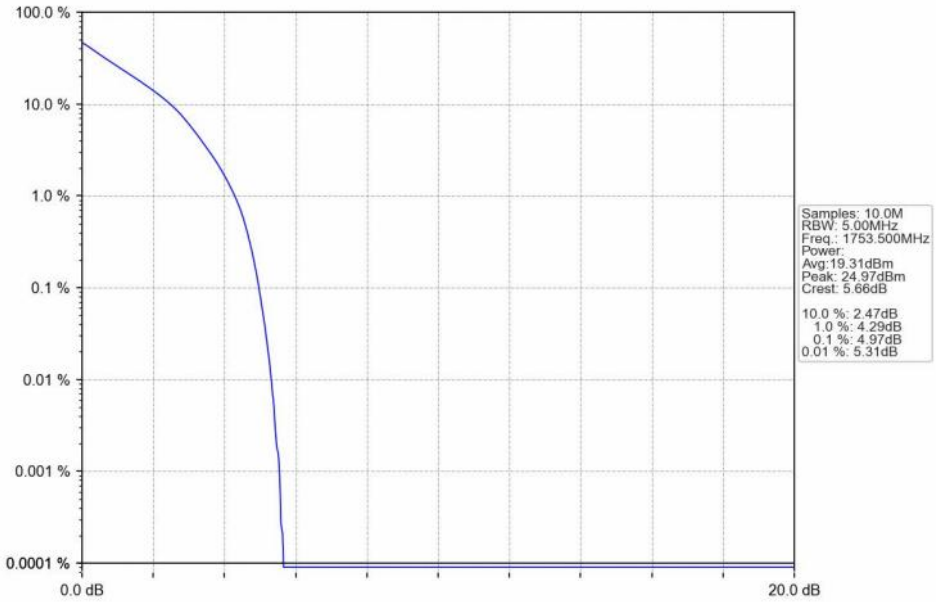
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



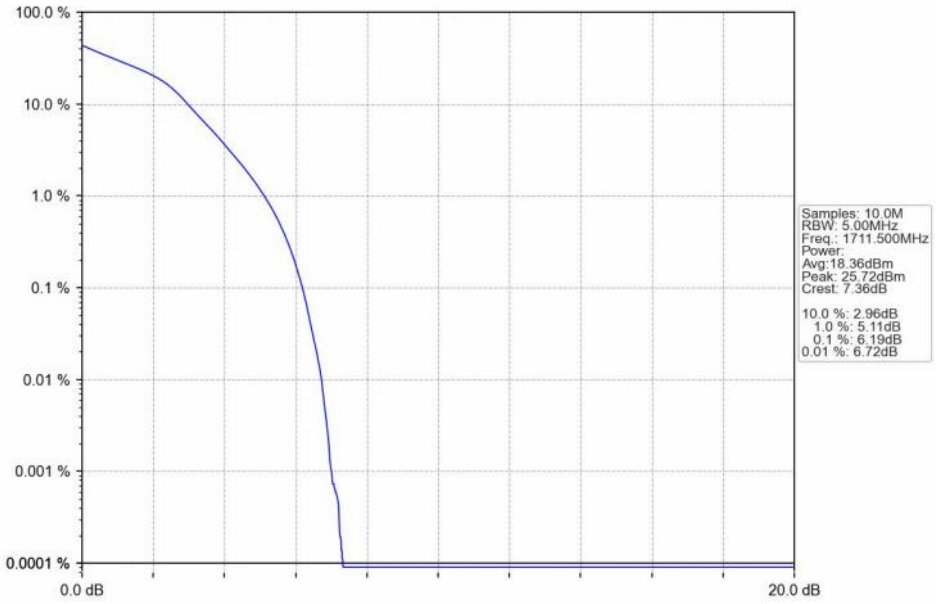
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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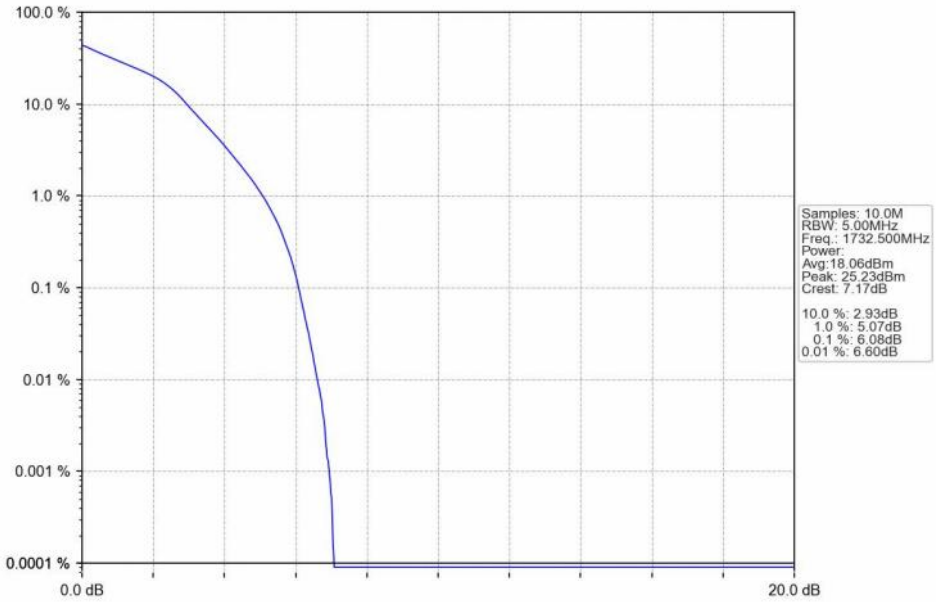
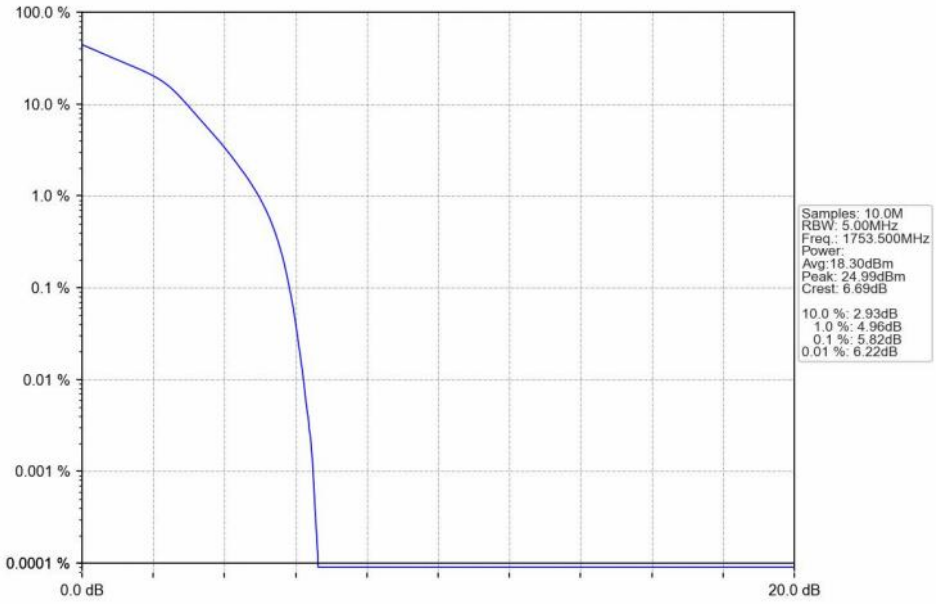
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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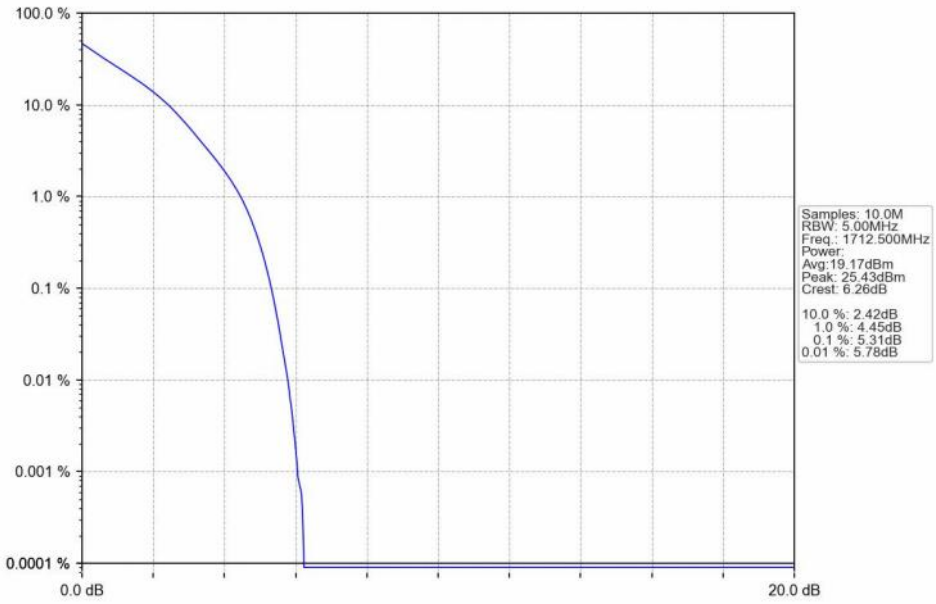
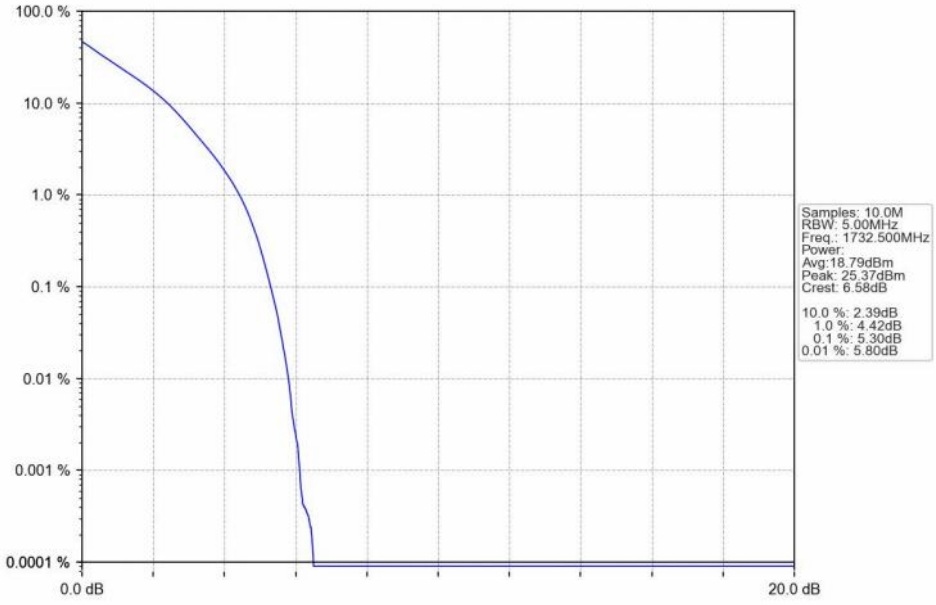
5.2.3 B4_5MHz

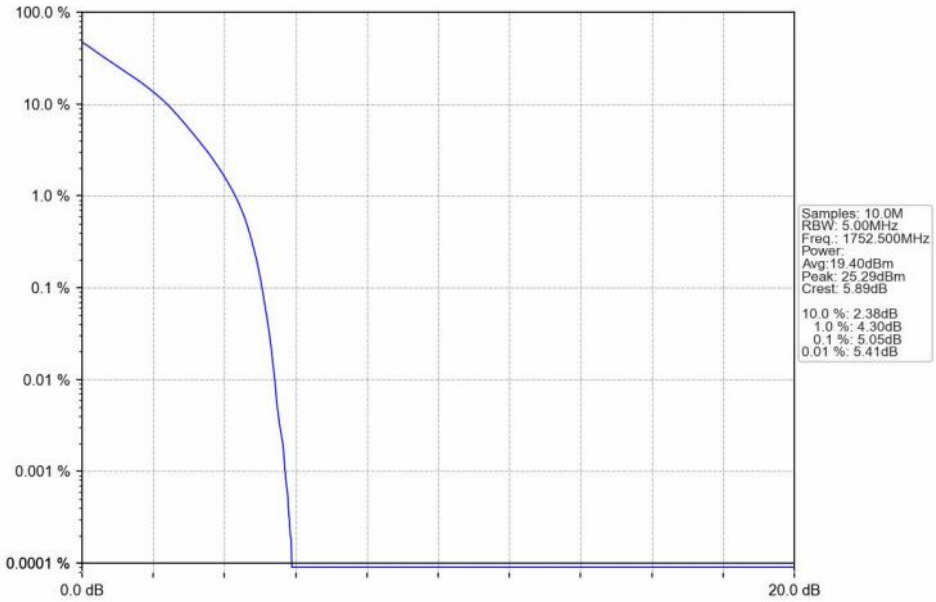
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



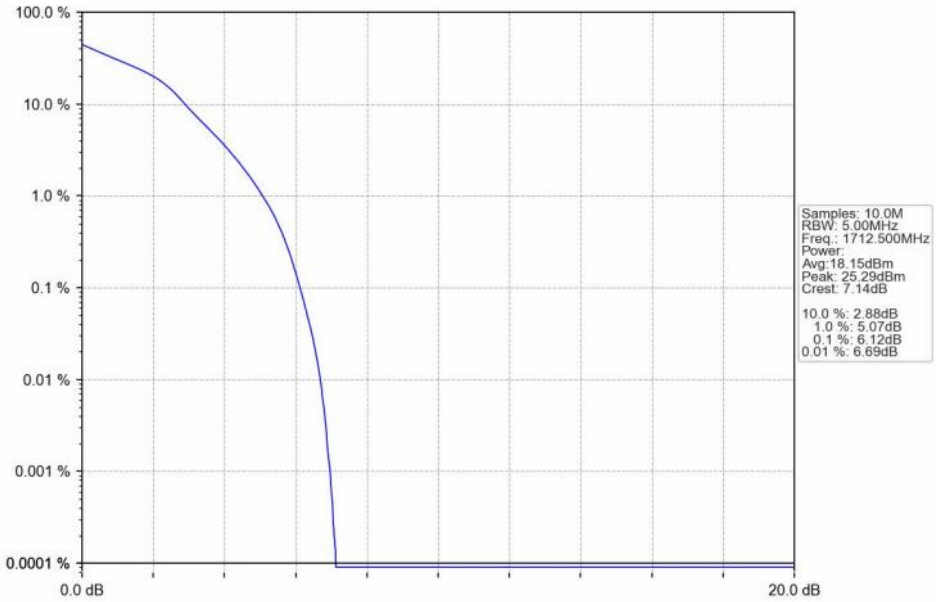
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



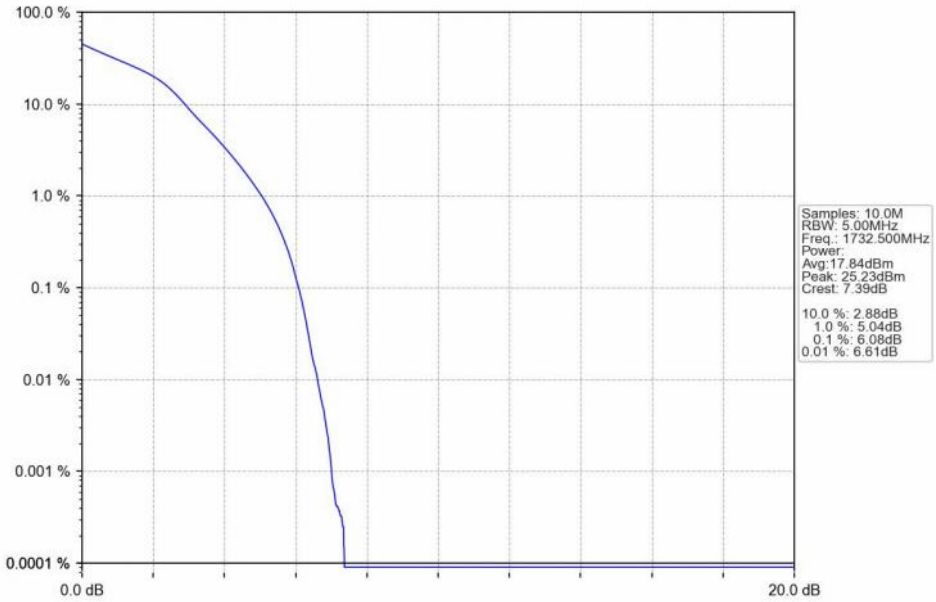
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



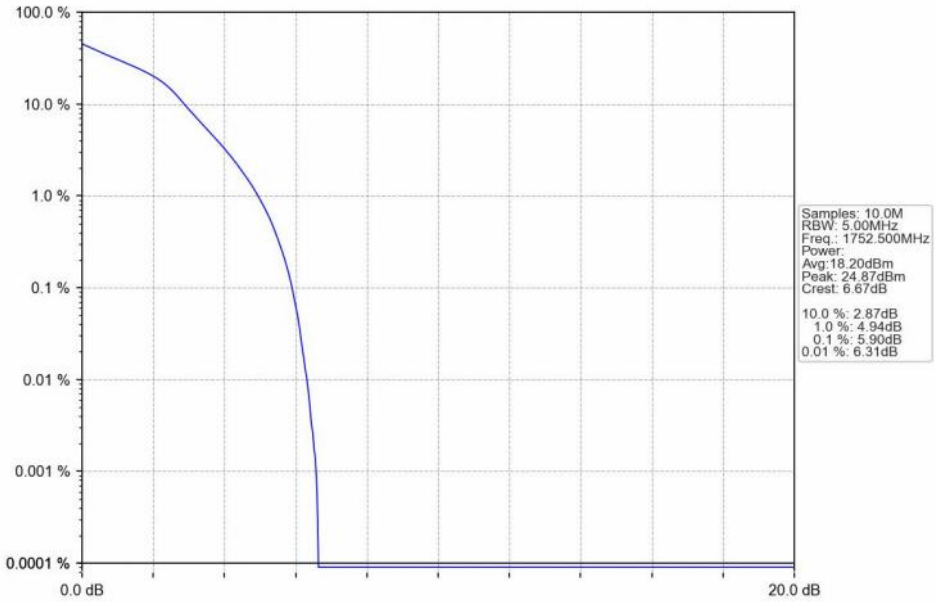
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

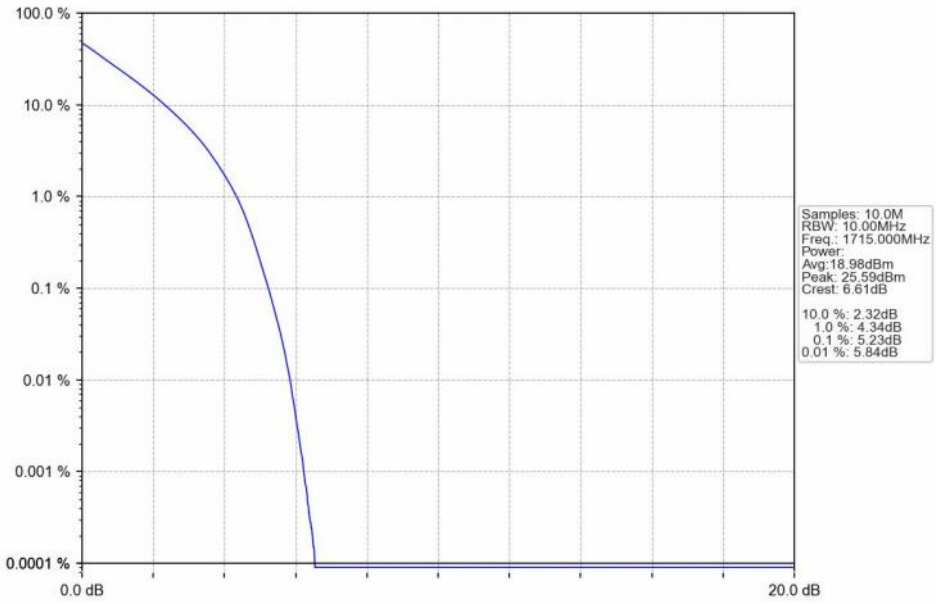


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

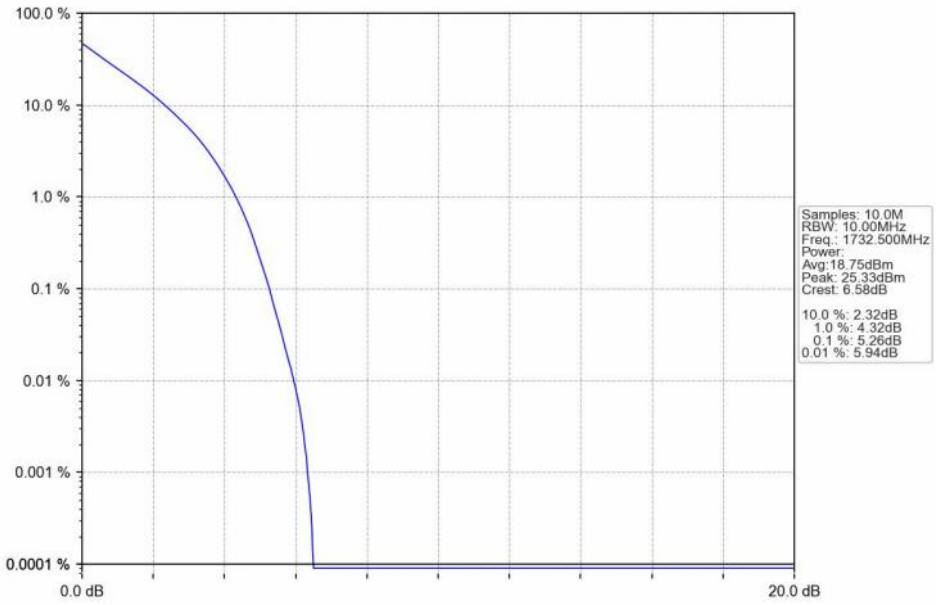


5.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



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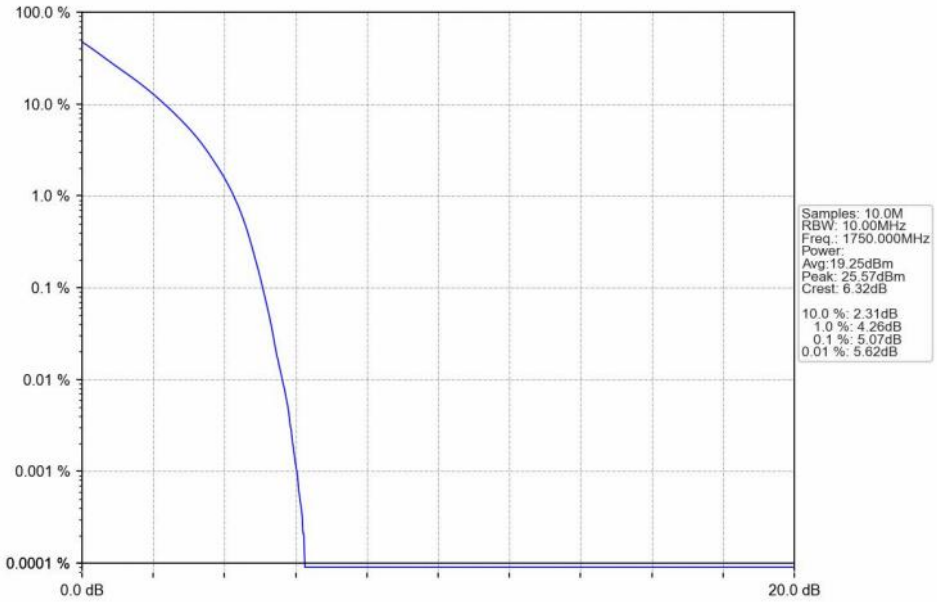
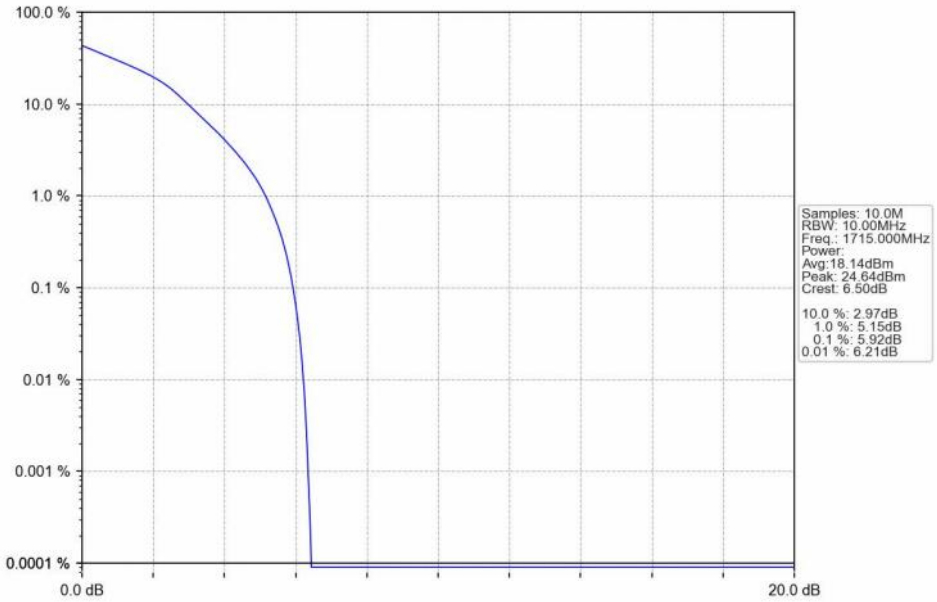
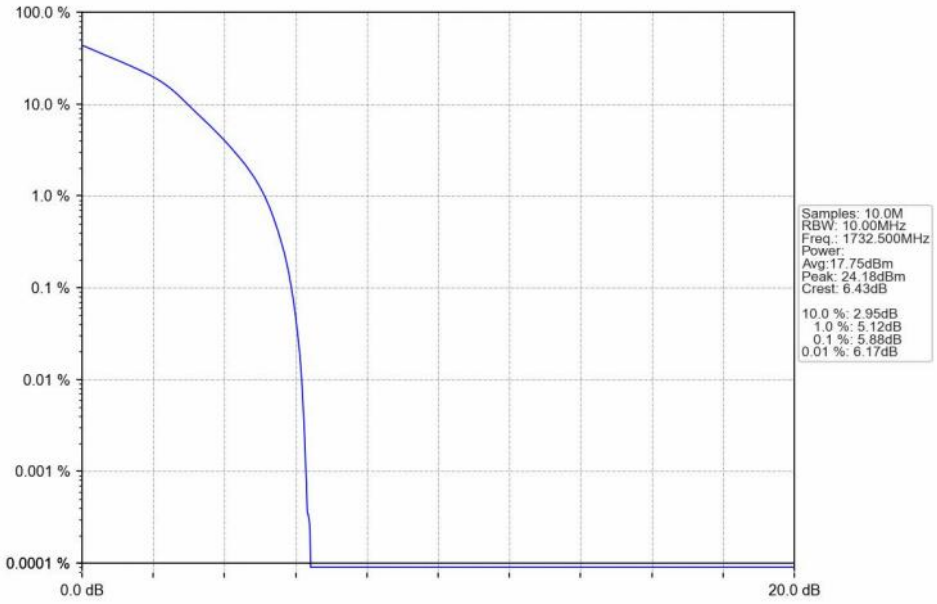
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



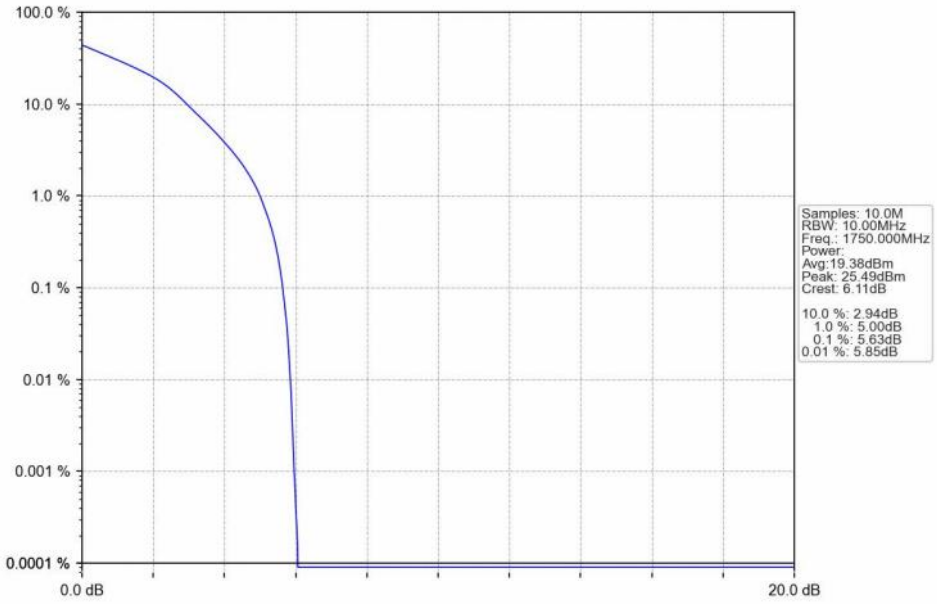
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



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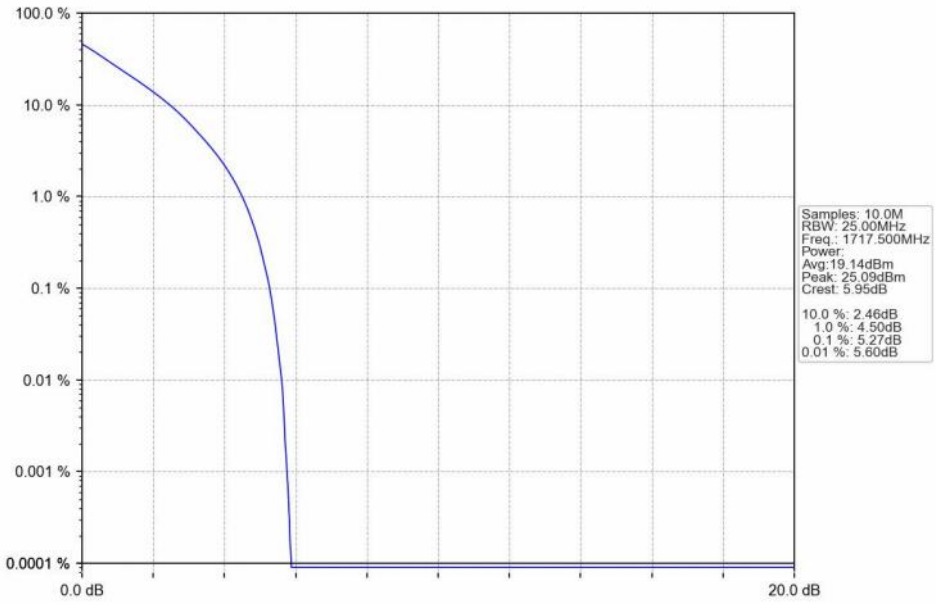
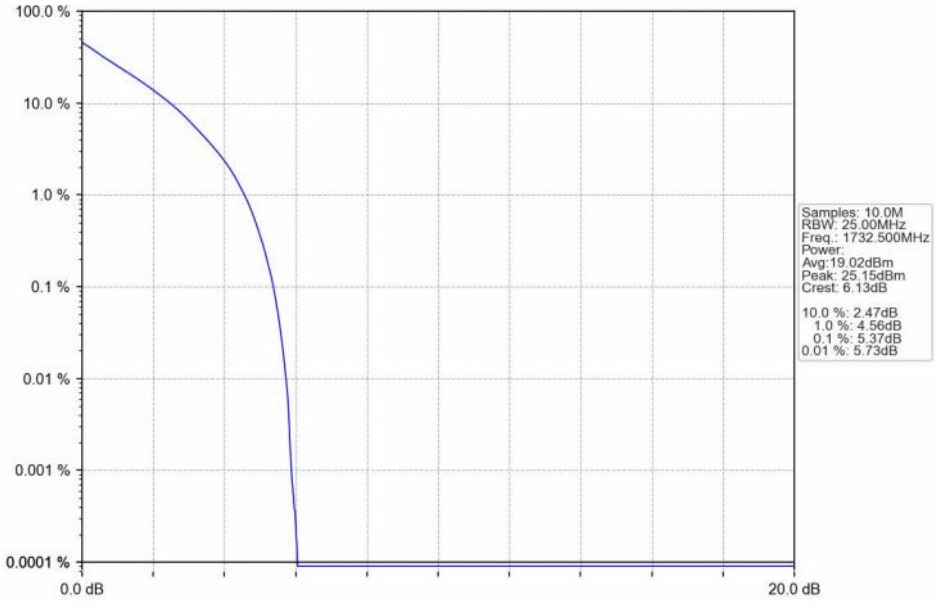
5.2.5 B4_15MHz

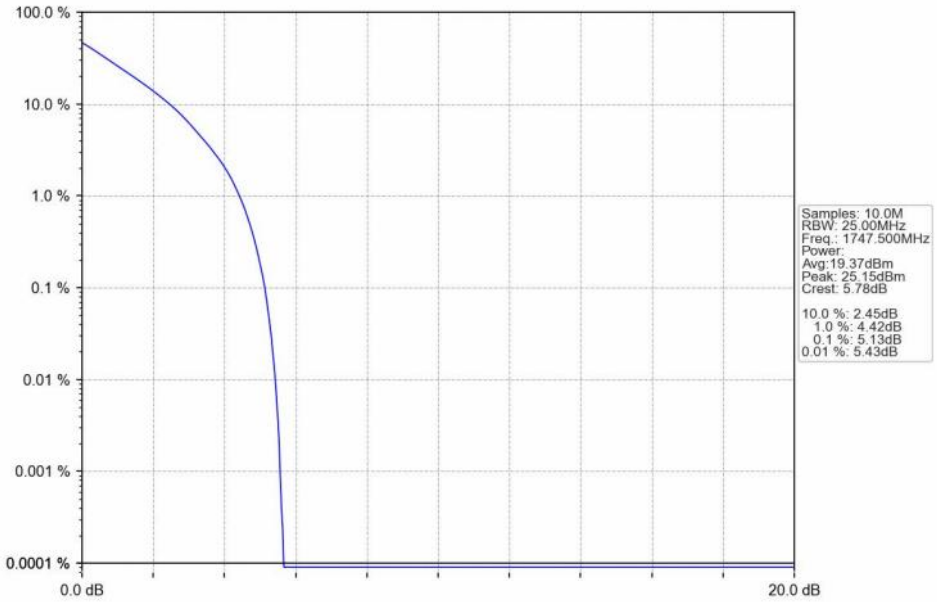
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



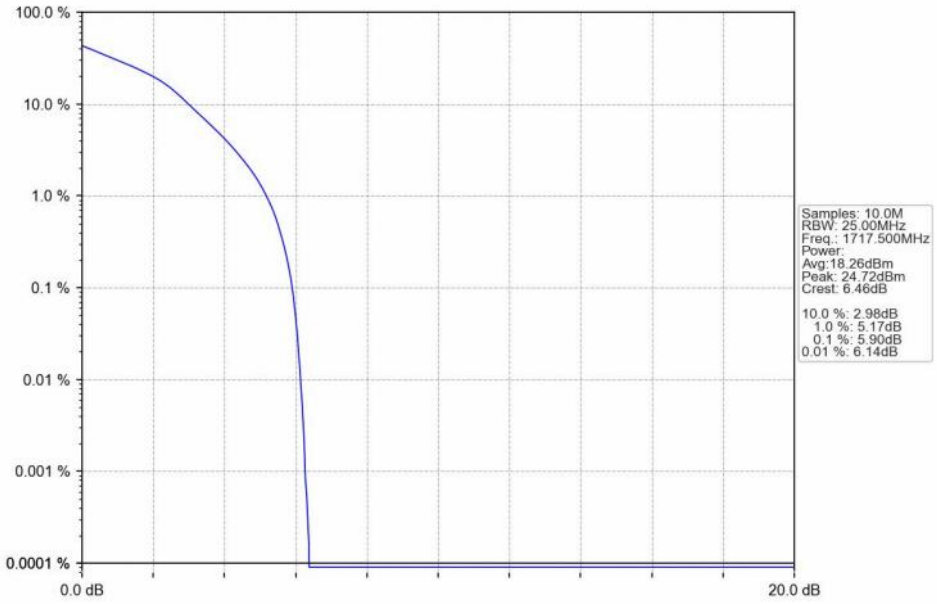
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



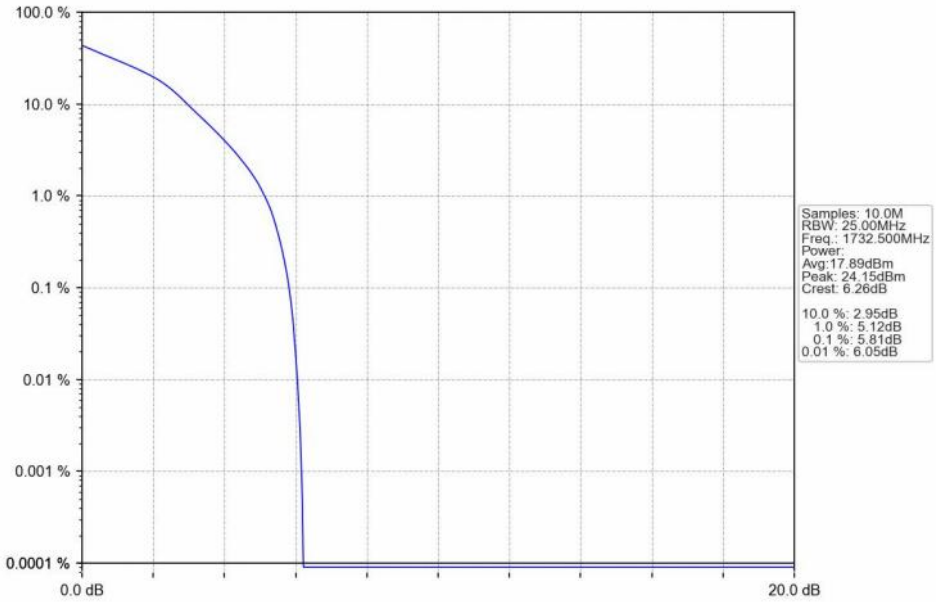
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



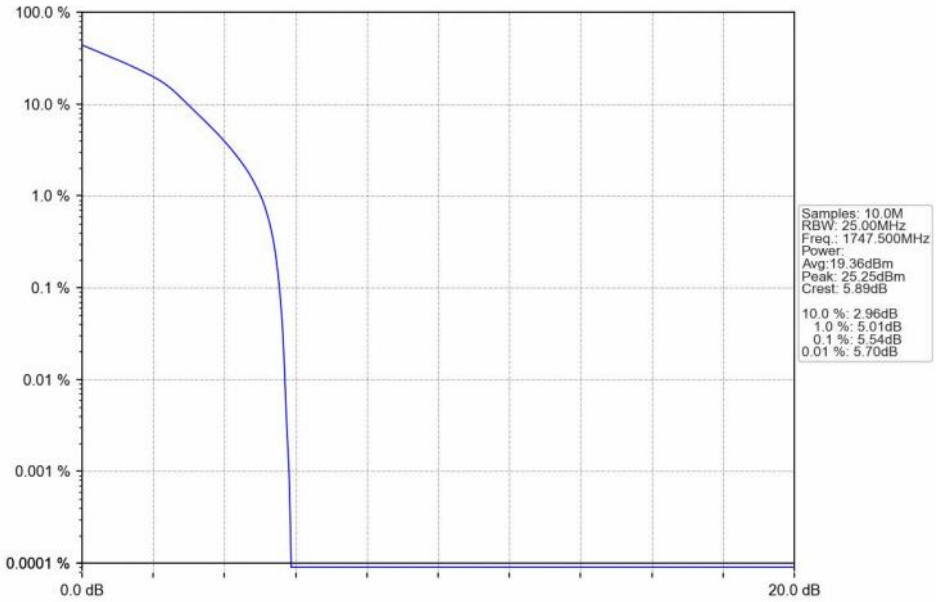
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



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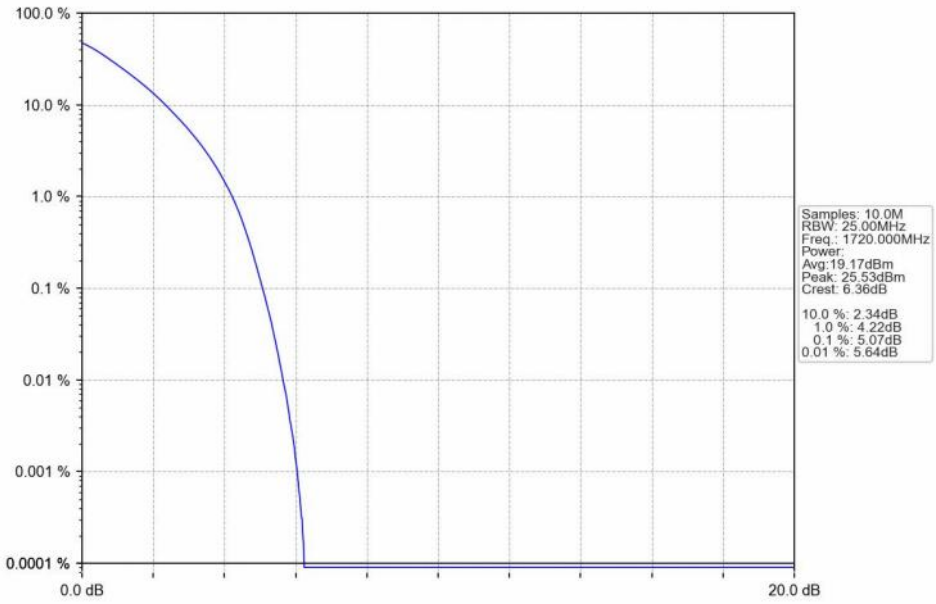
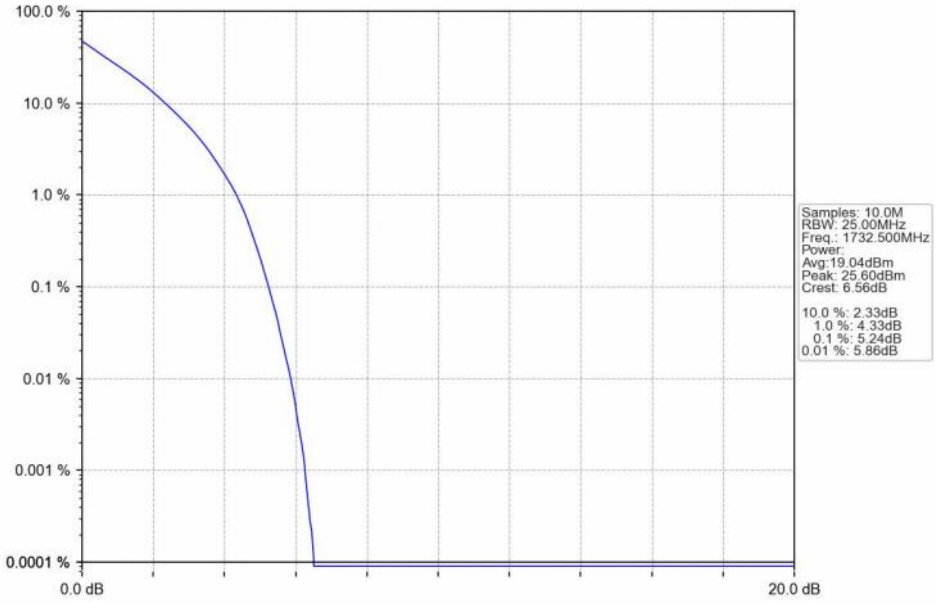
5.2.6 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



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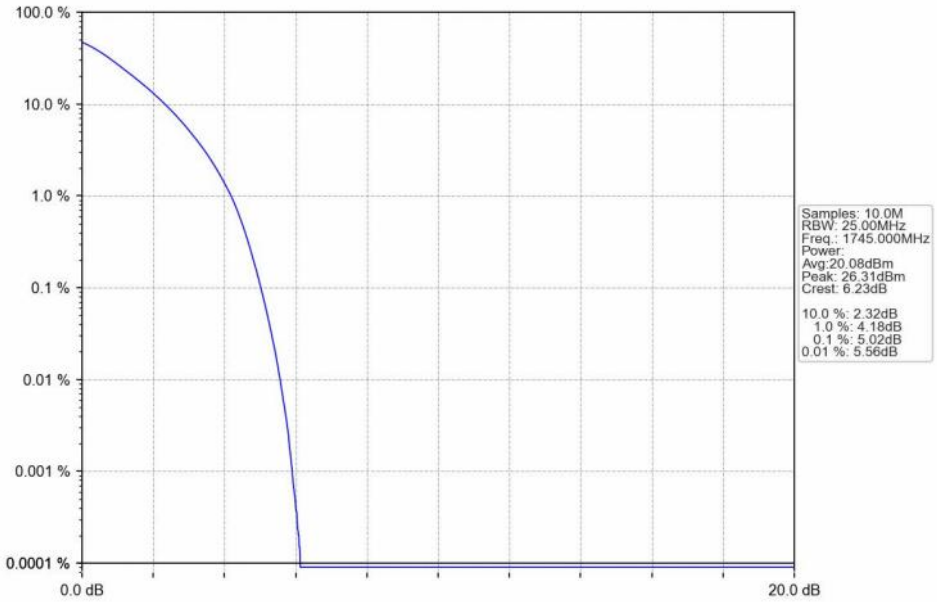
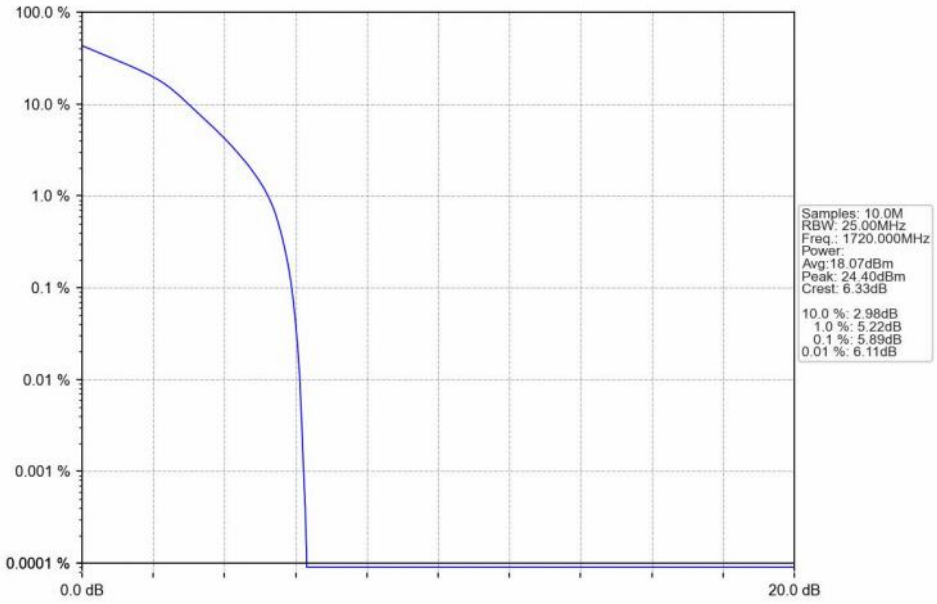
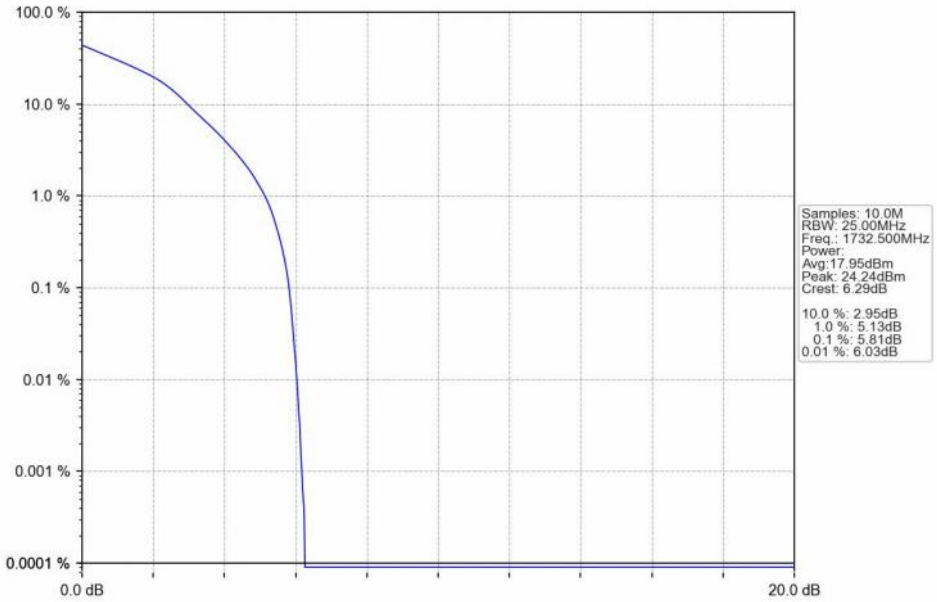
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



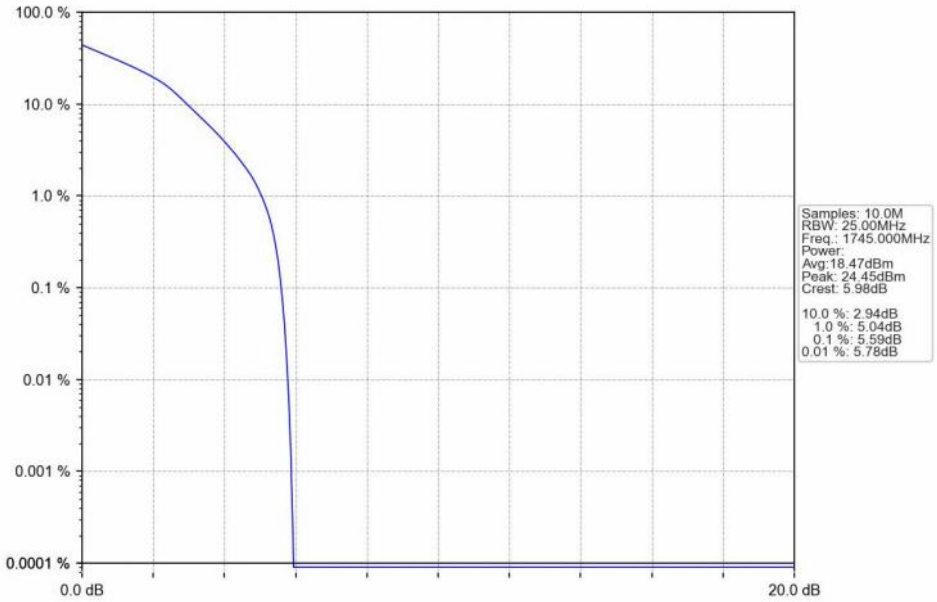
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



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		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
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
	1754.3	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		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
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
	1753.5	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		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
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
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

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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
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1715	1	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

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
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1717.5	1	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

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
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1720	1	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

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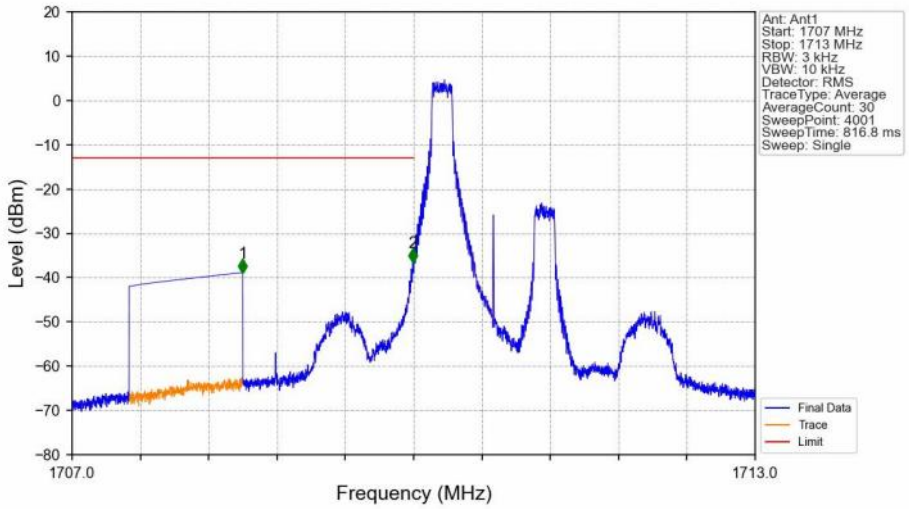
6.2 Test Graph

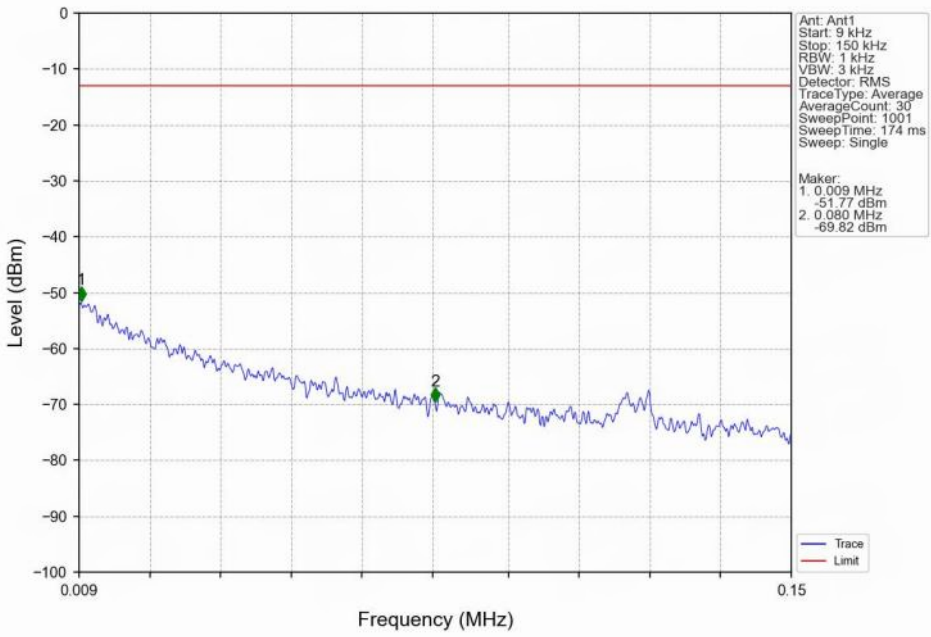
6.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

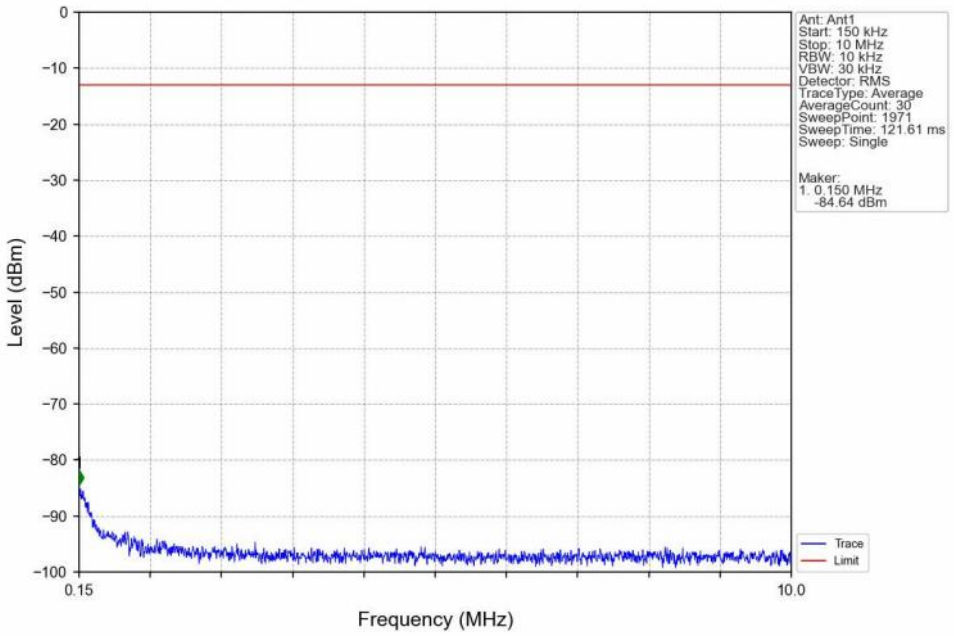


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-38.89	-13	Pass
1709	1710	0.003	/	2	1709.995	-36.55	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

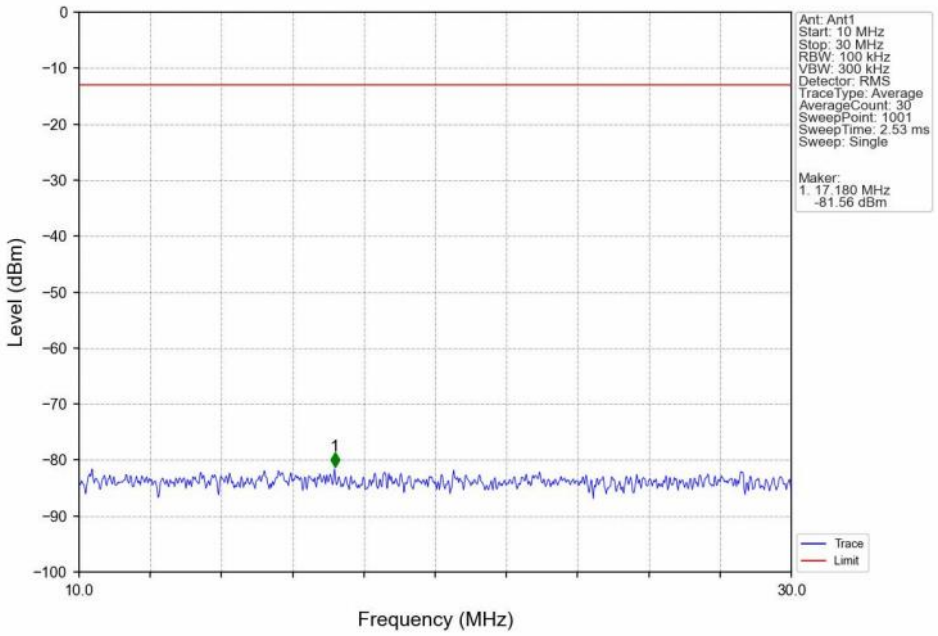
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



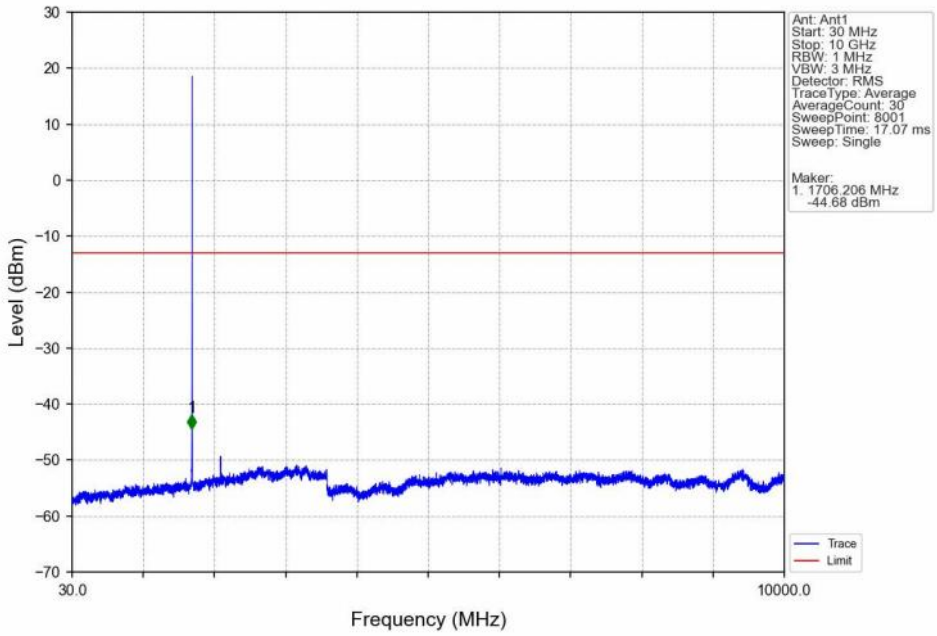
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



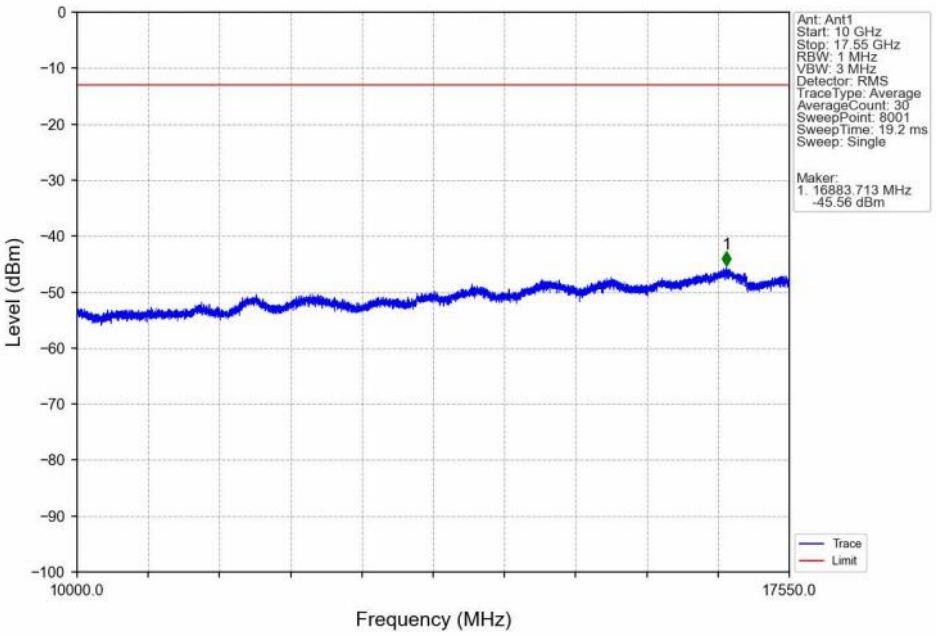
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



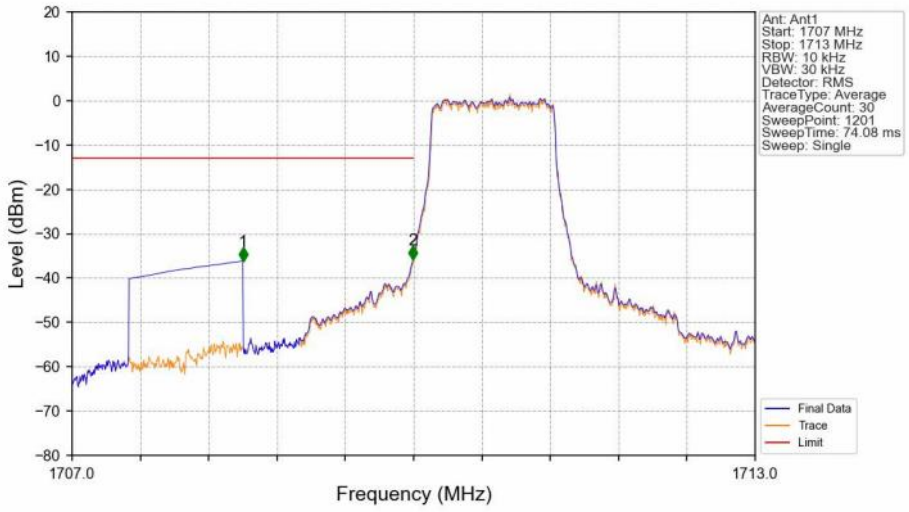
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

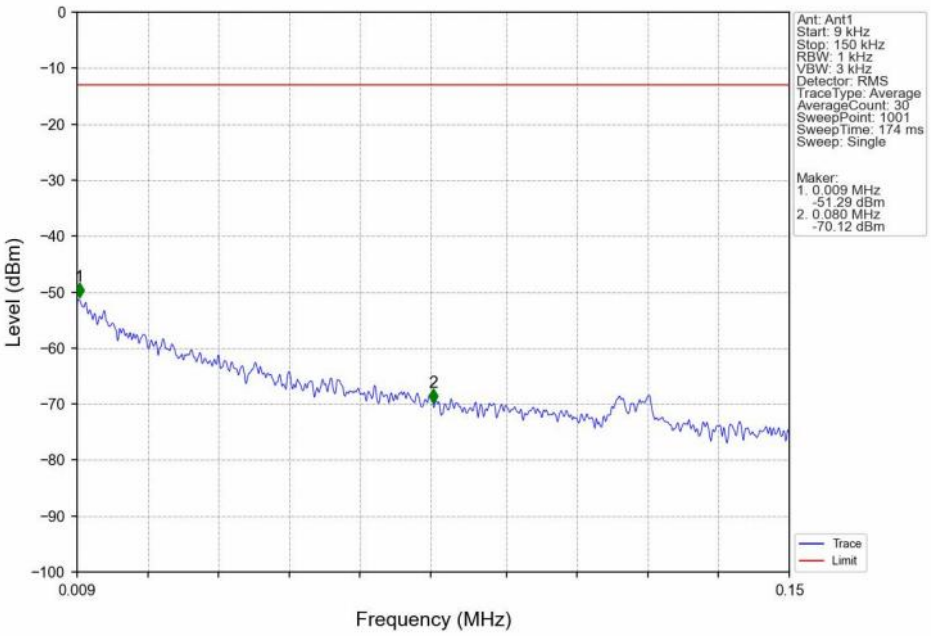


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

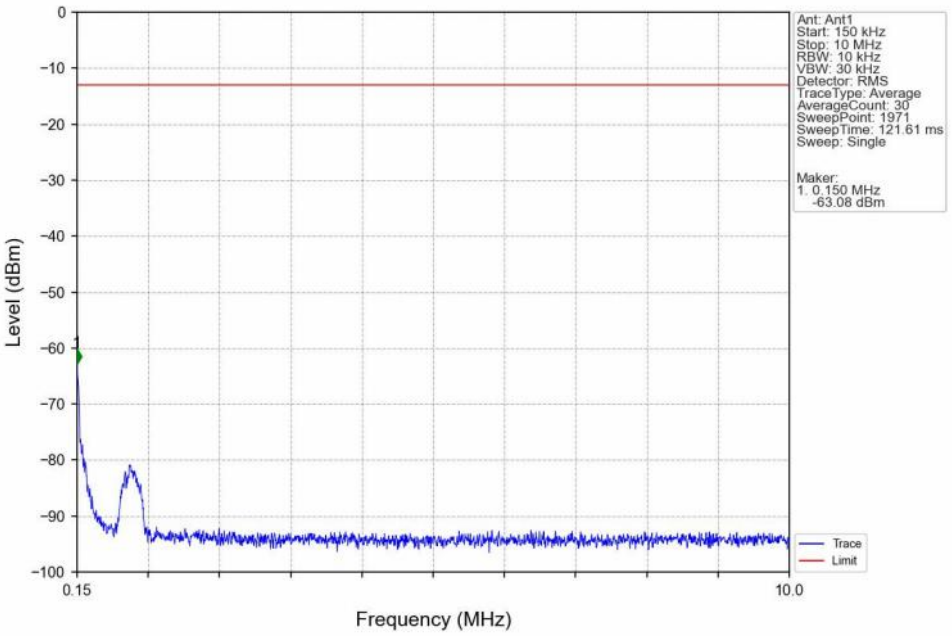


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-36.15	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-35.91	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

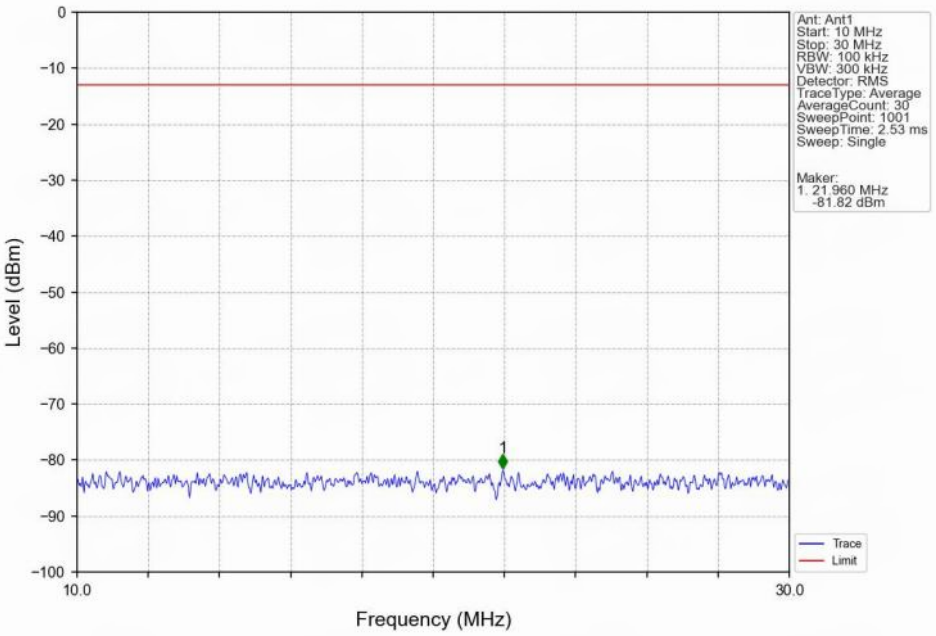
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



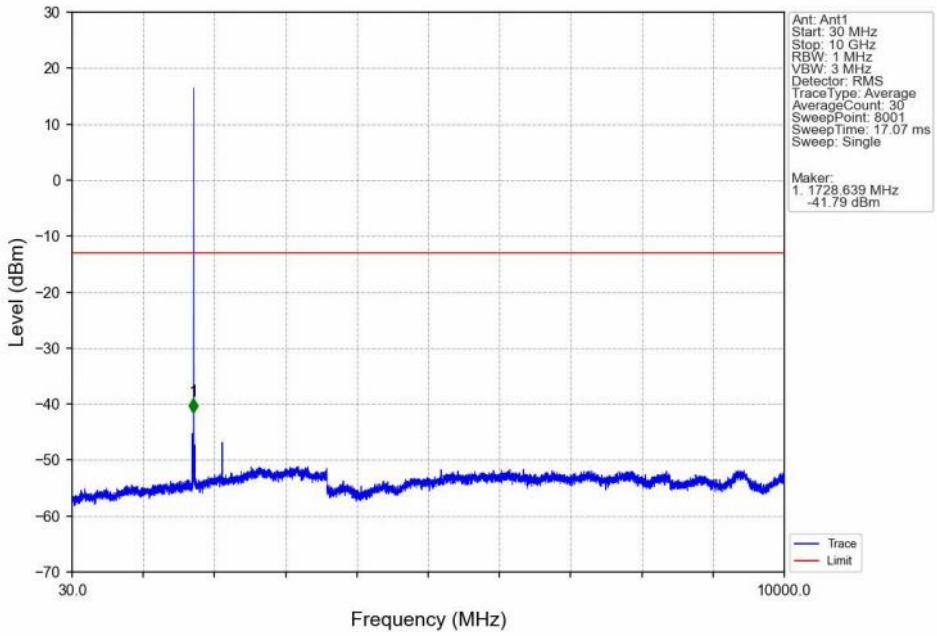
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



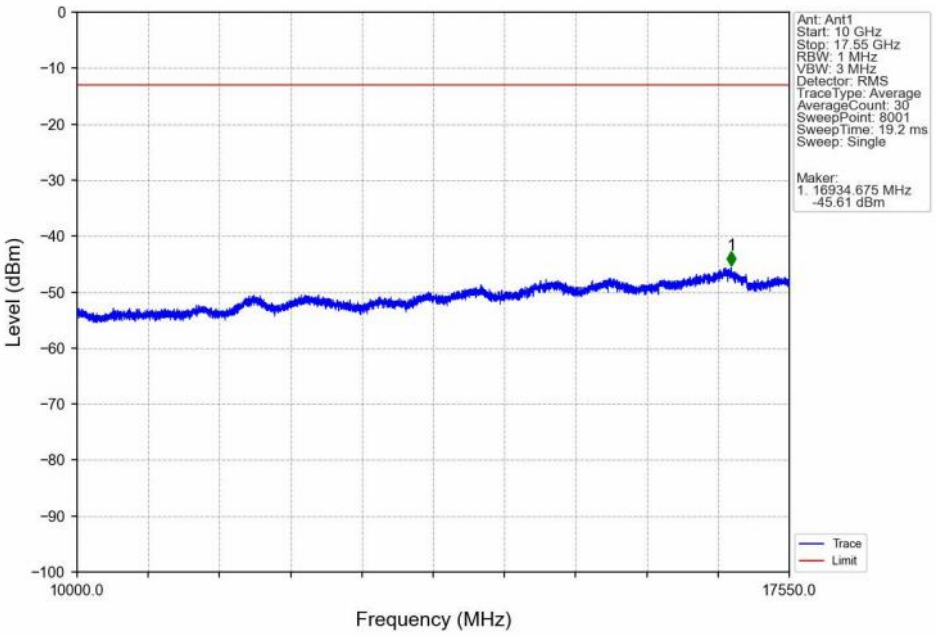
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



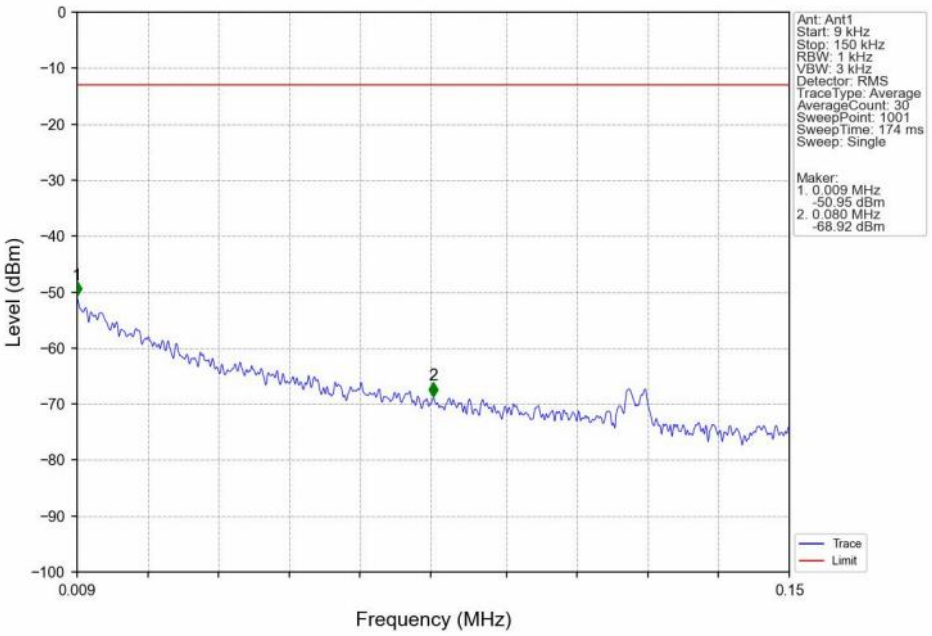
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



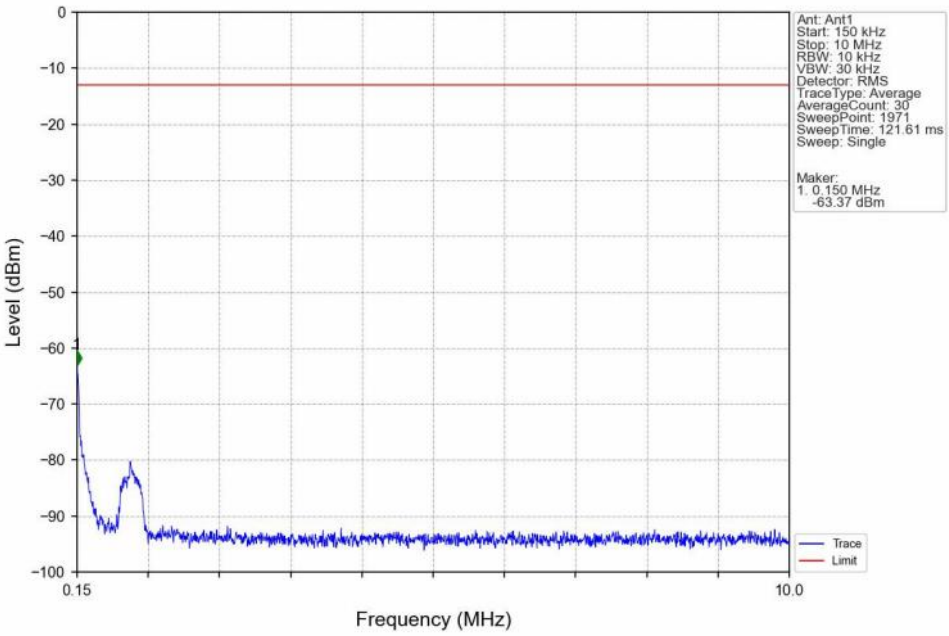
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



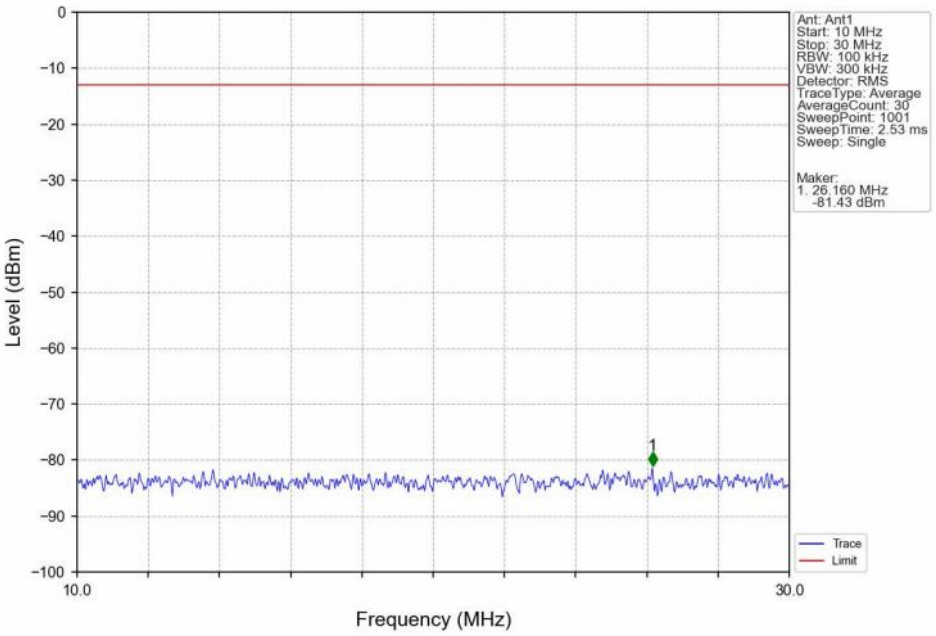
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



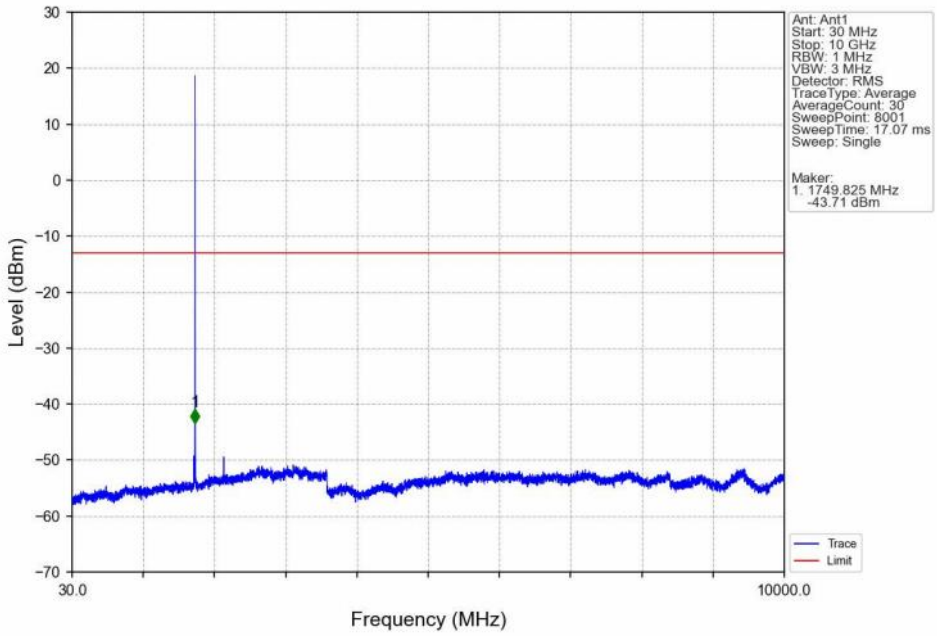
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



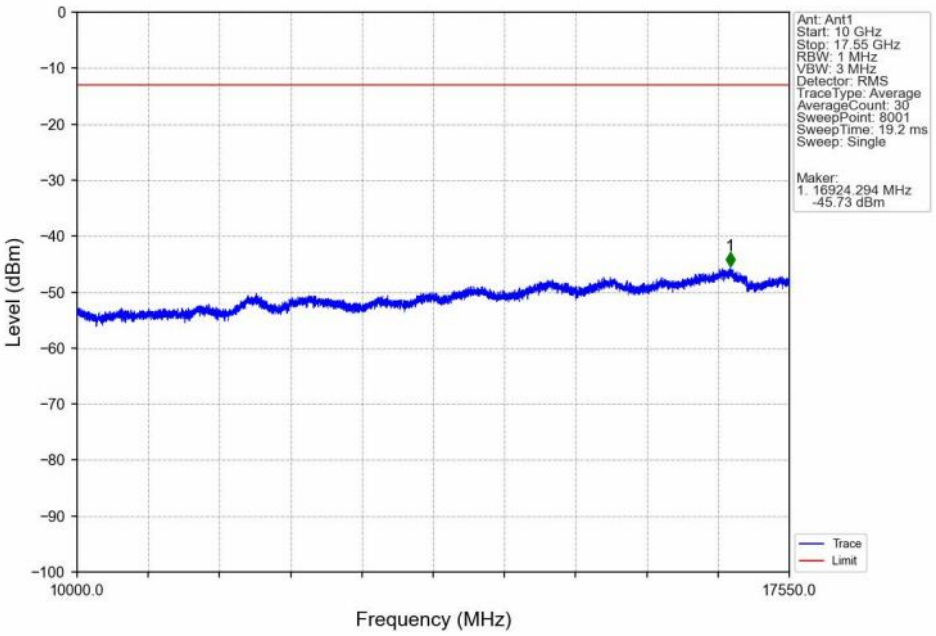
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



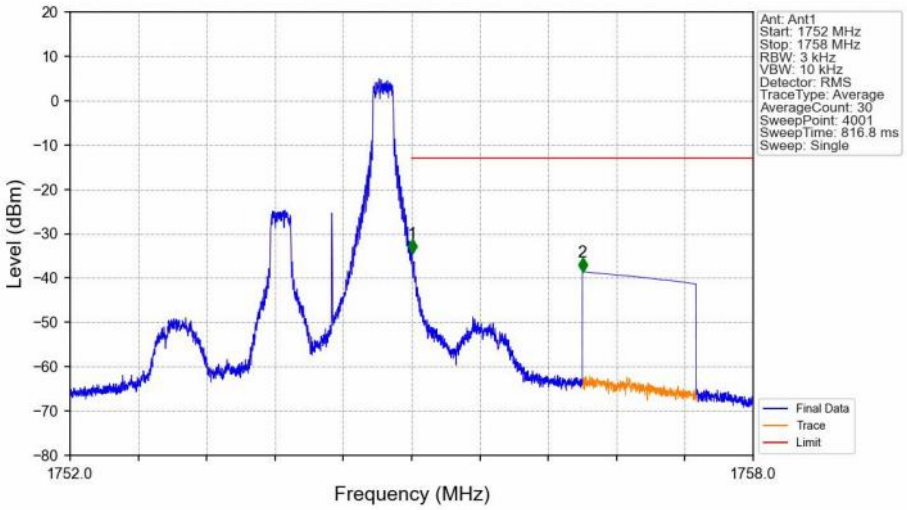
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

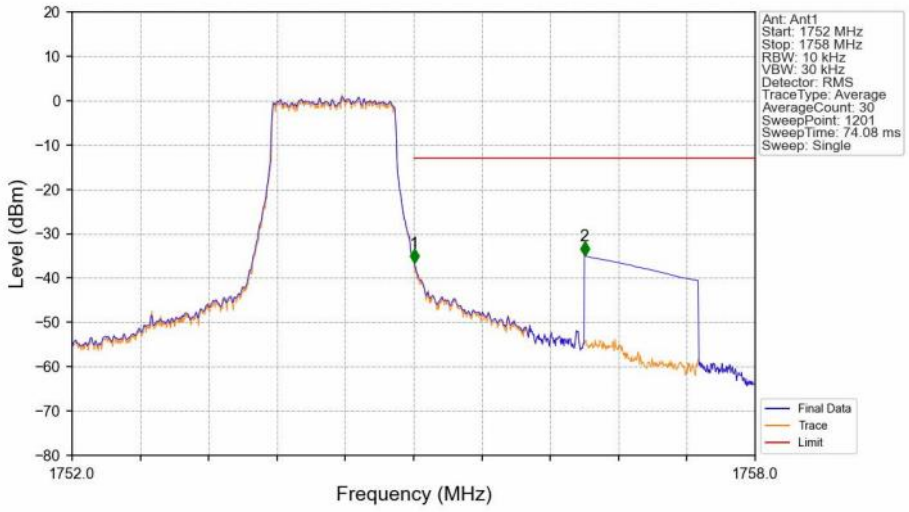


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



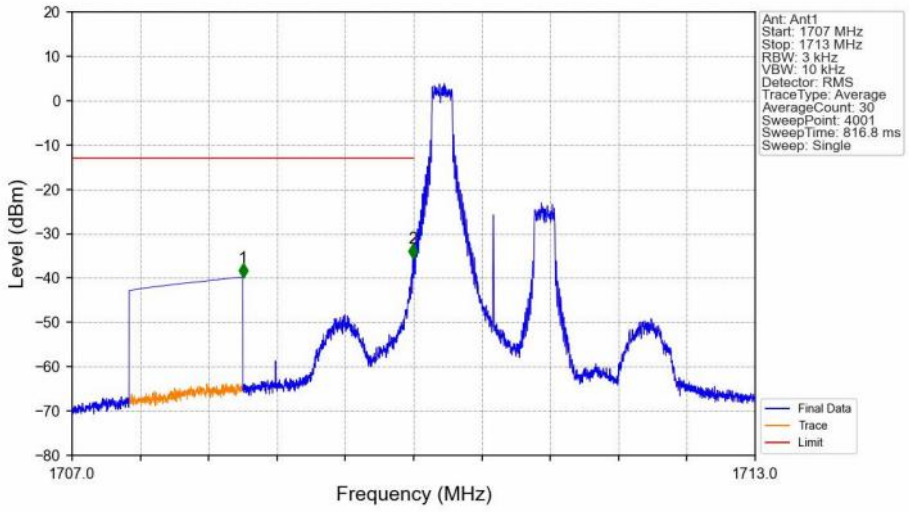
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-34.35	-13	Pass
1756	1758	1	CHP	2	1756.500	-38.58	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



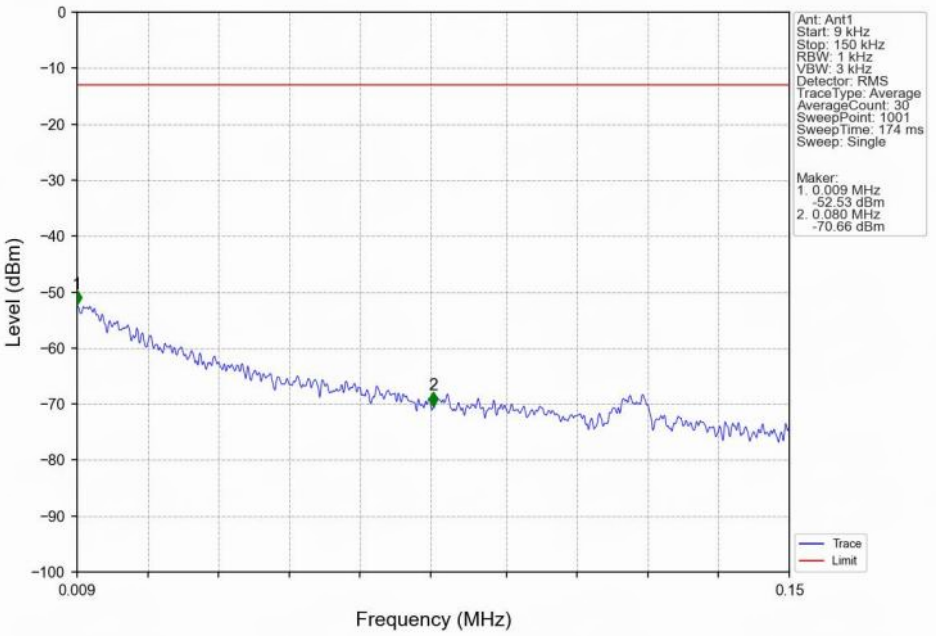
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.005	-36.53	-13	Pass
1756	1758	1	CHP	2	1756.500	-35.00	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

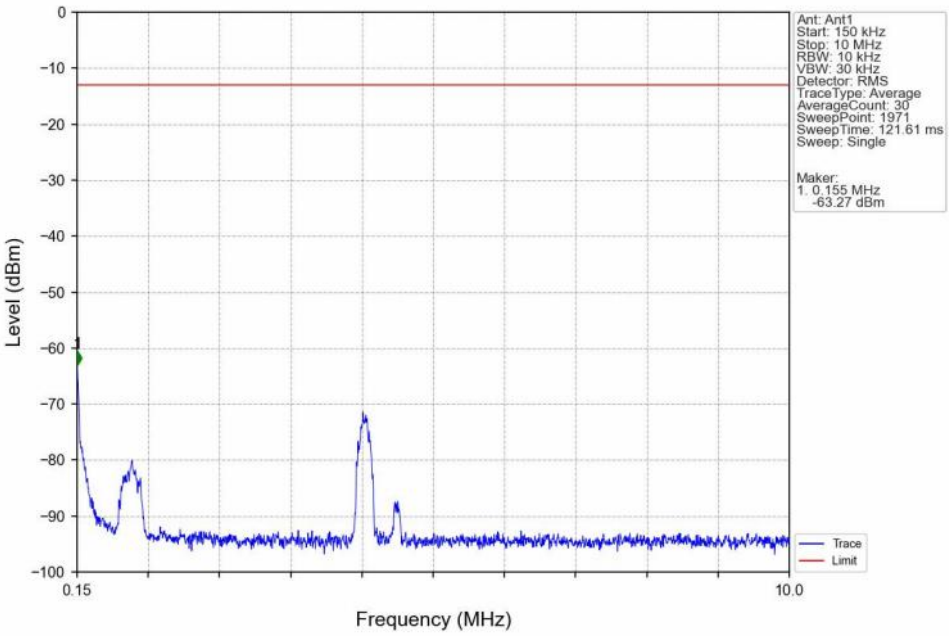


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-39.82	-13	Pass
1709	1710	0.003	/	2	1709.994	-35.49	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

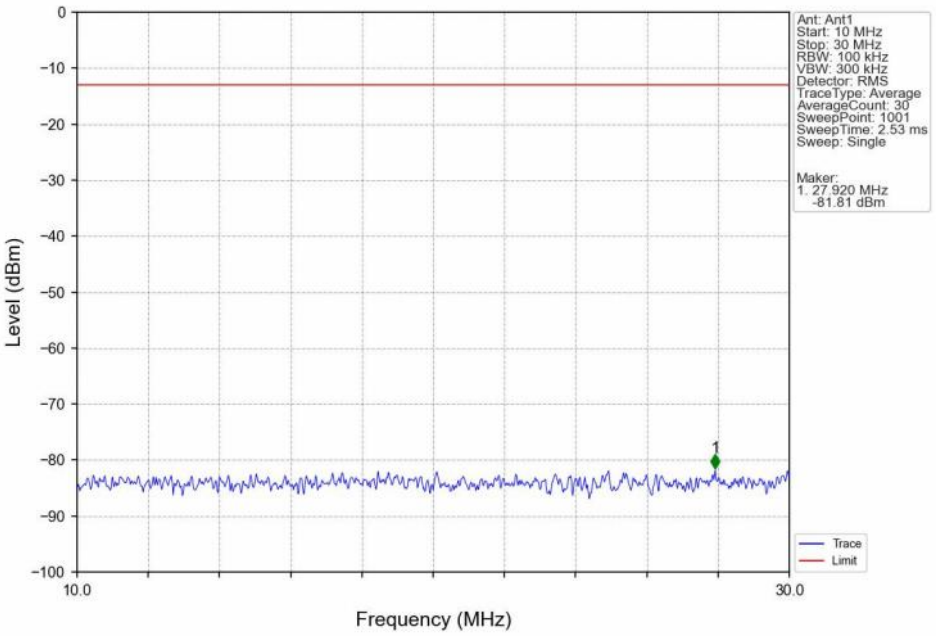
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



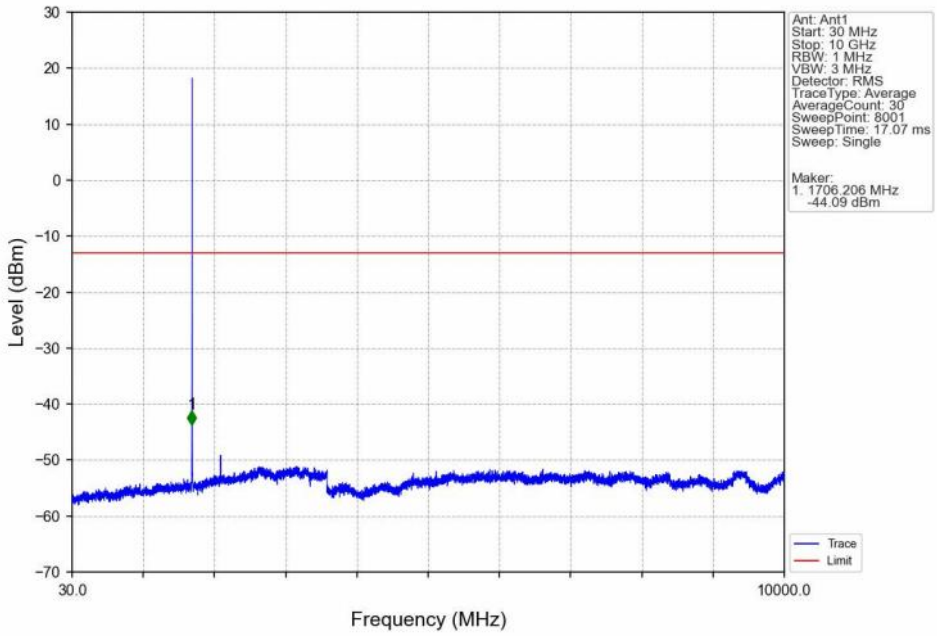
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



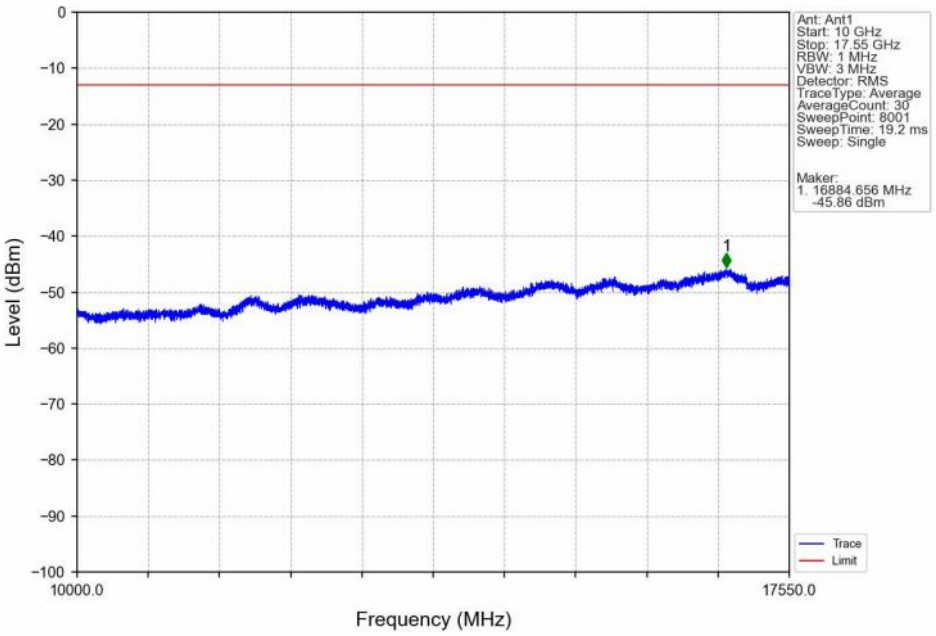
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



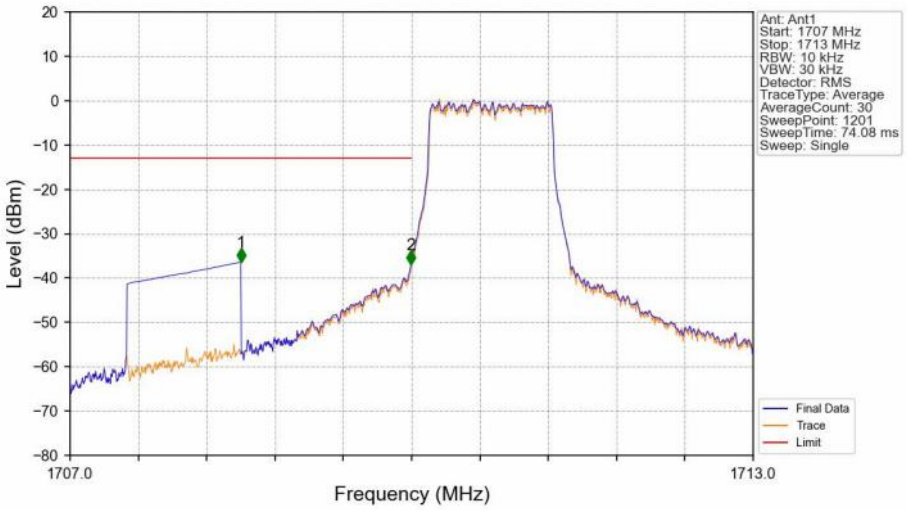
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

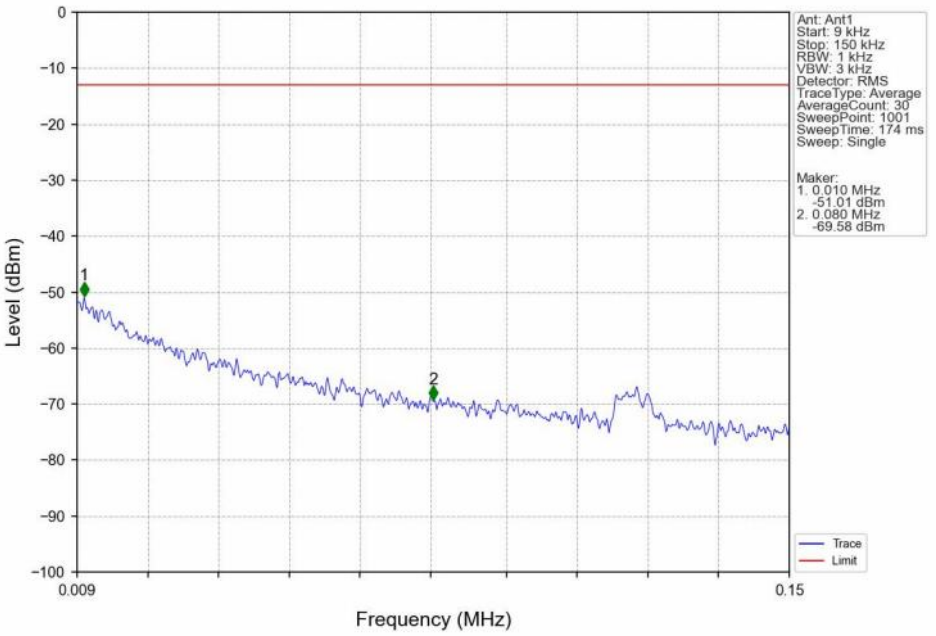


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

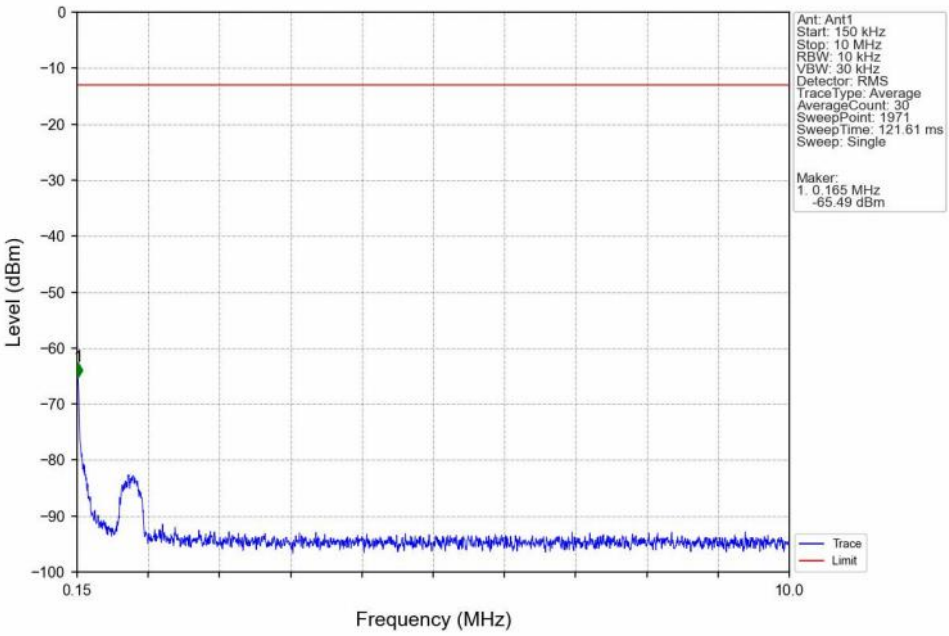


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-36.40	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-36.89	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

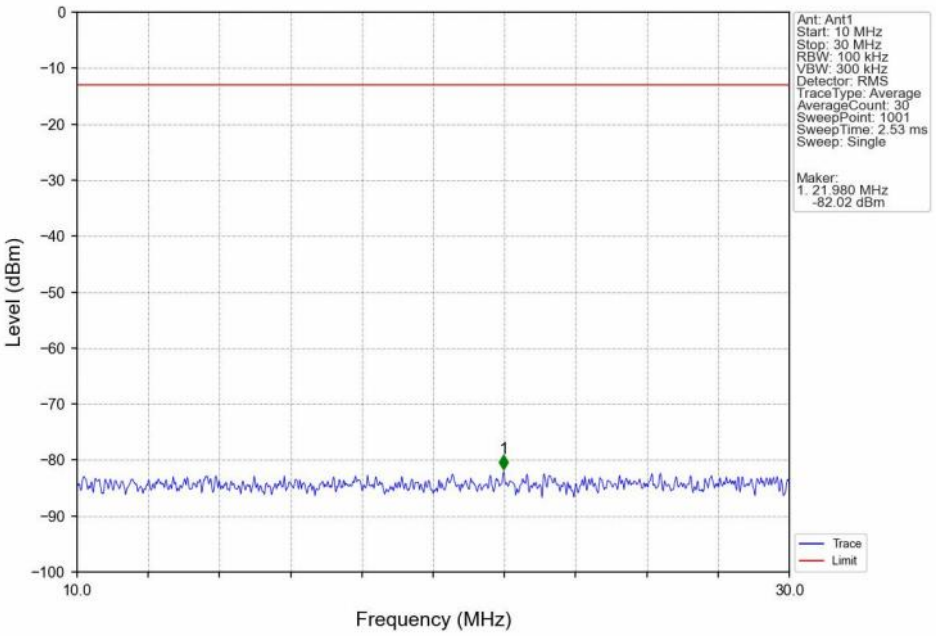
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



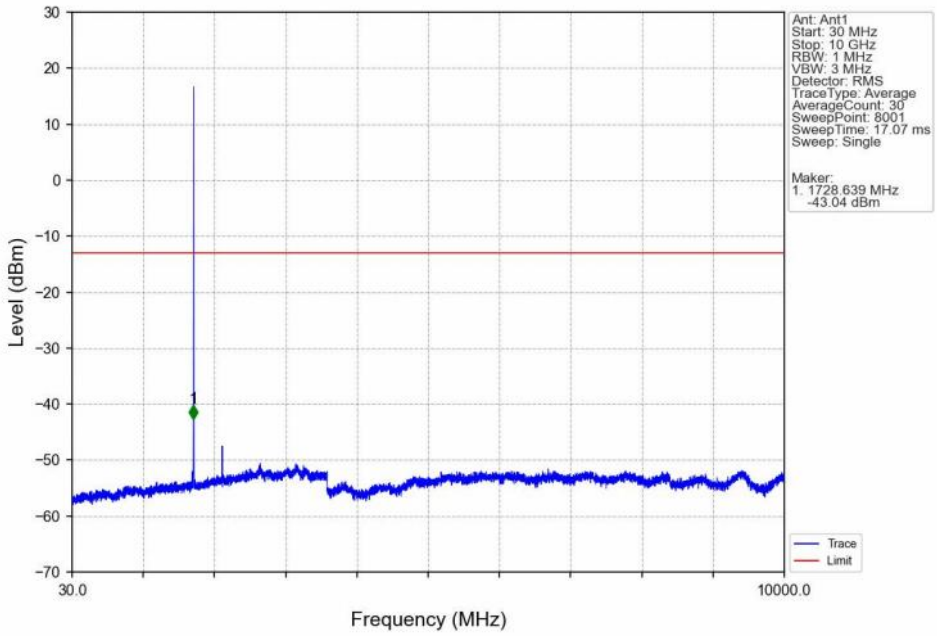
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



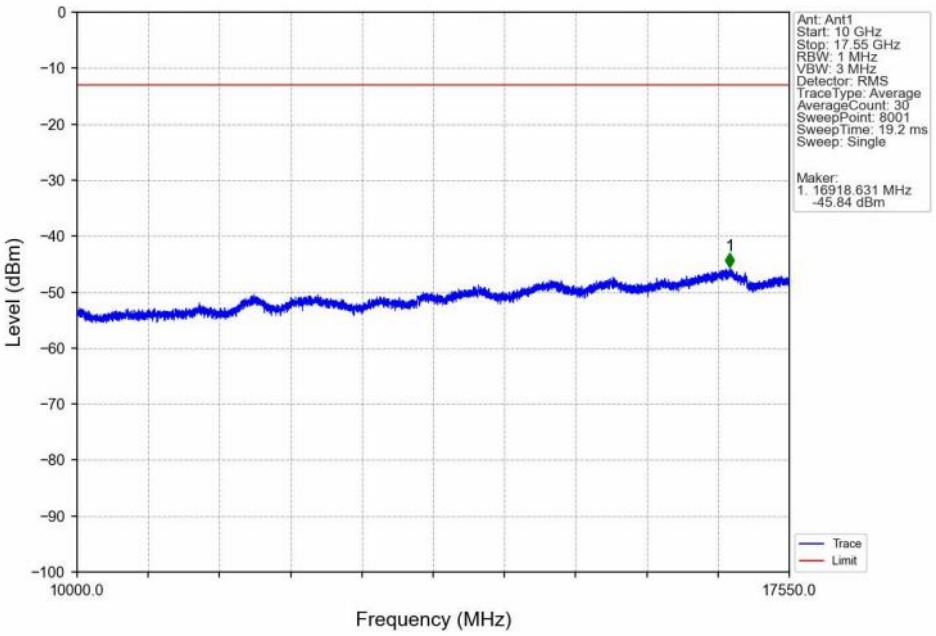
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



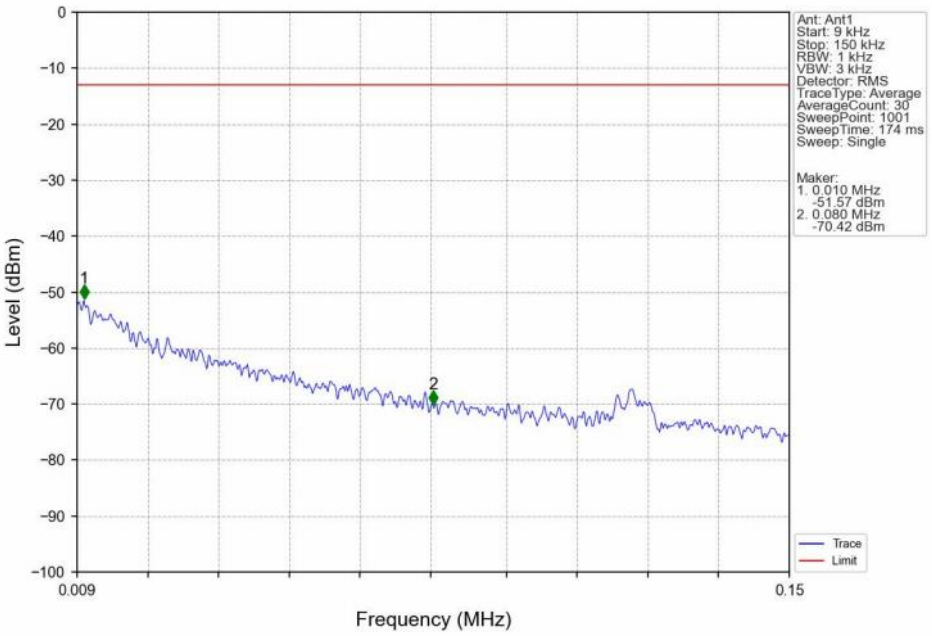
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



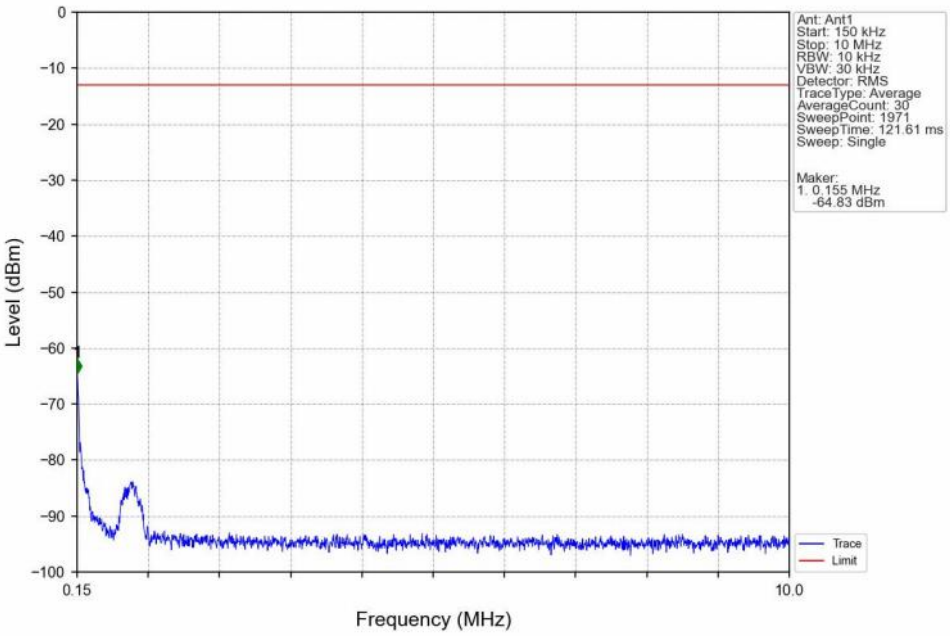
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



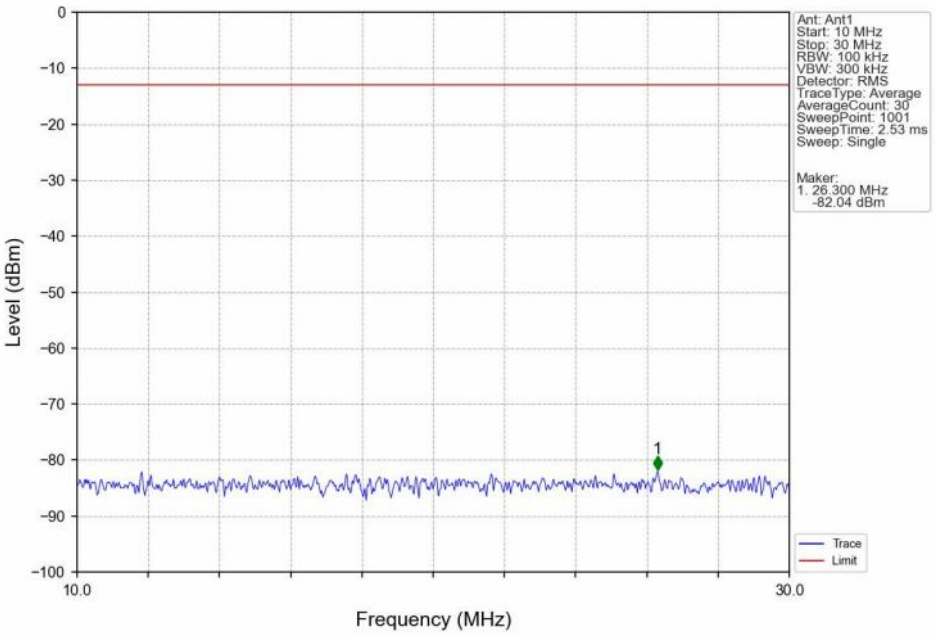
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



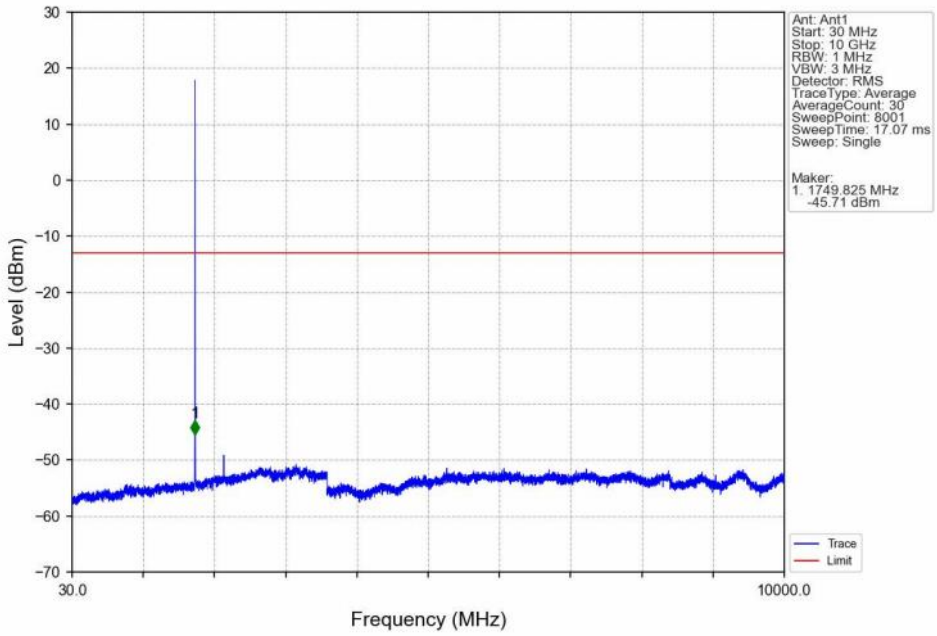
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



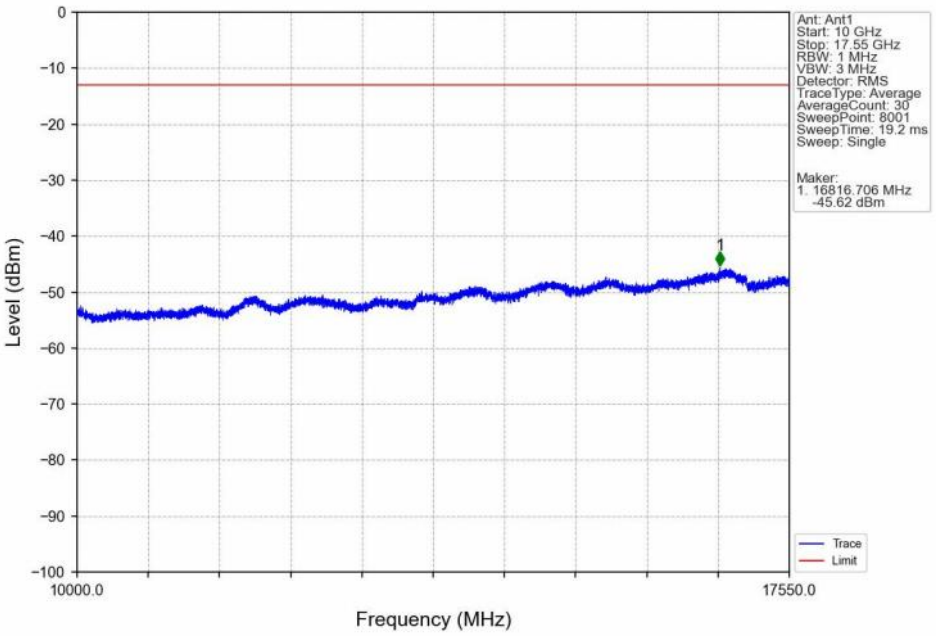
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



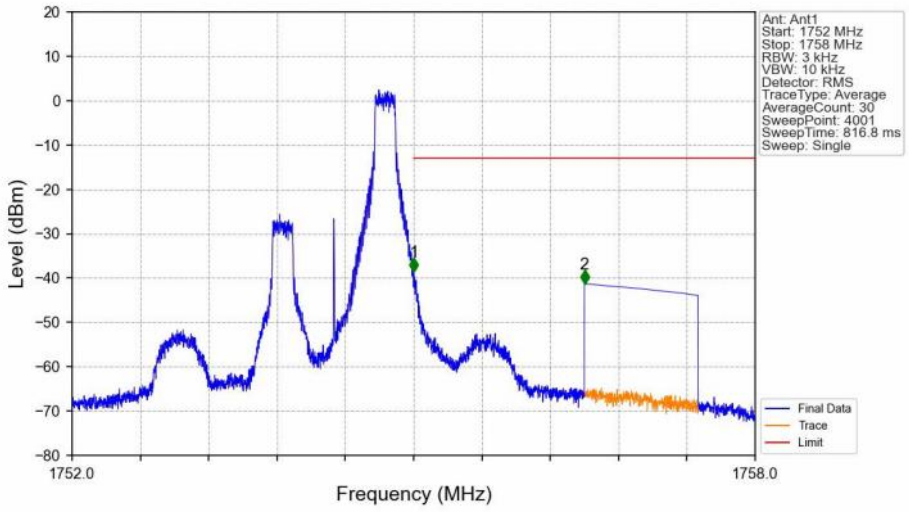
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

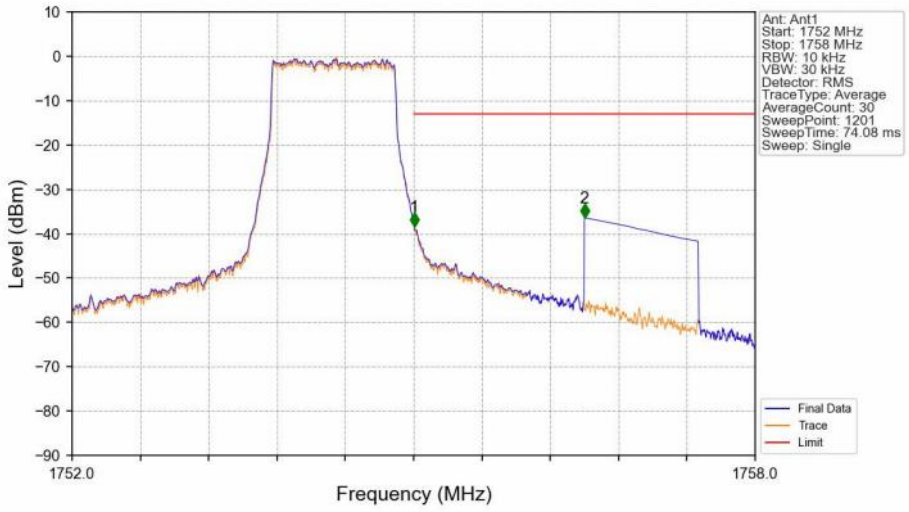


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



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	1755.003	-38.53	-13	Pass
1756	1758	1	CHP	2	1756.500	-41.31	-13	Pass

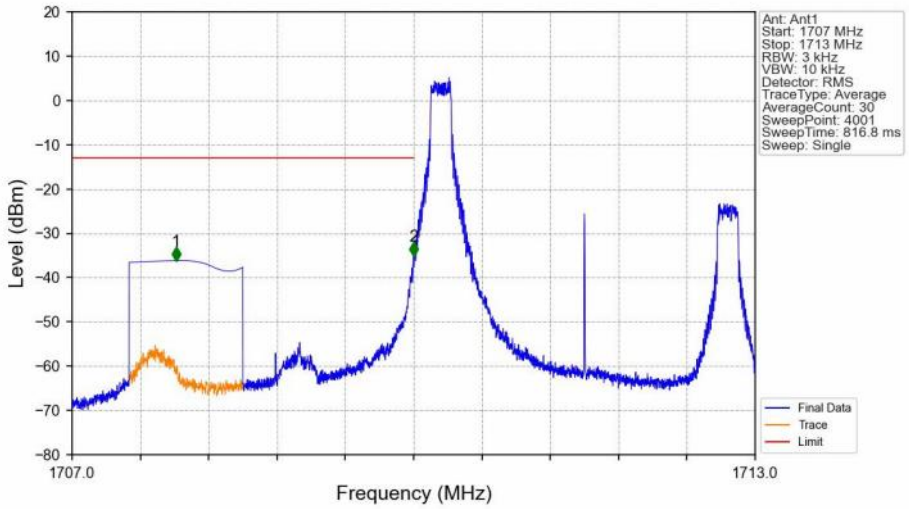
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.005	-38.39	-13	Pass
1756	1758	1	CHP	2	1756.500	-36.39	-13	Pass

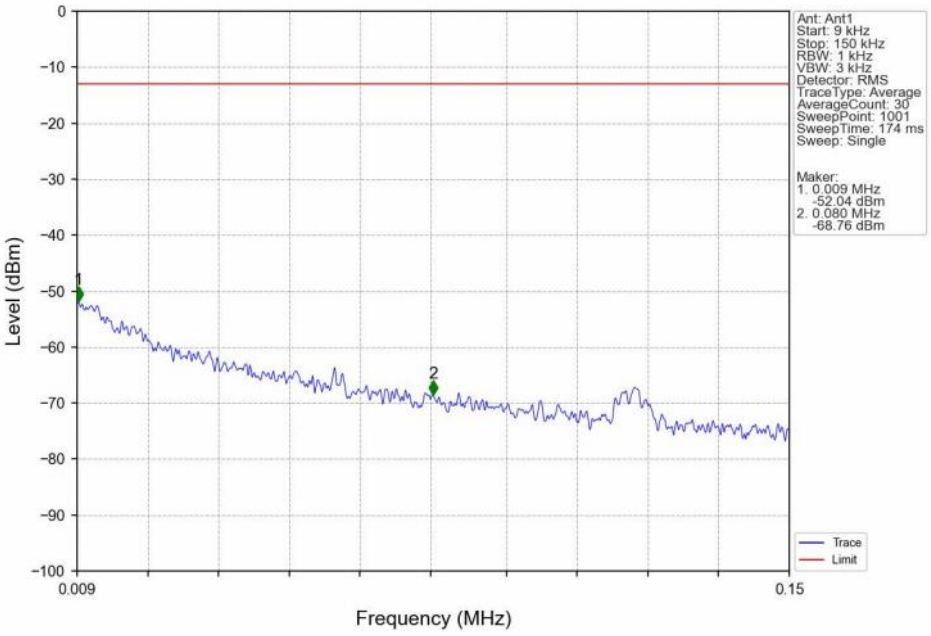
6.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

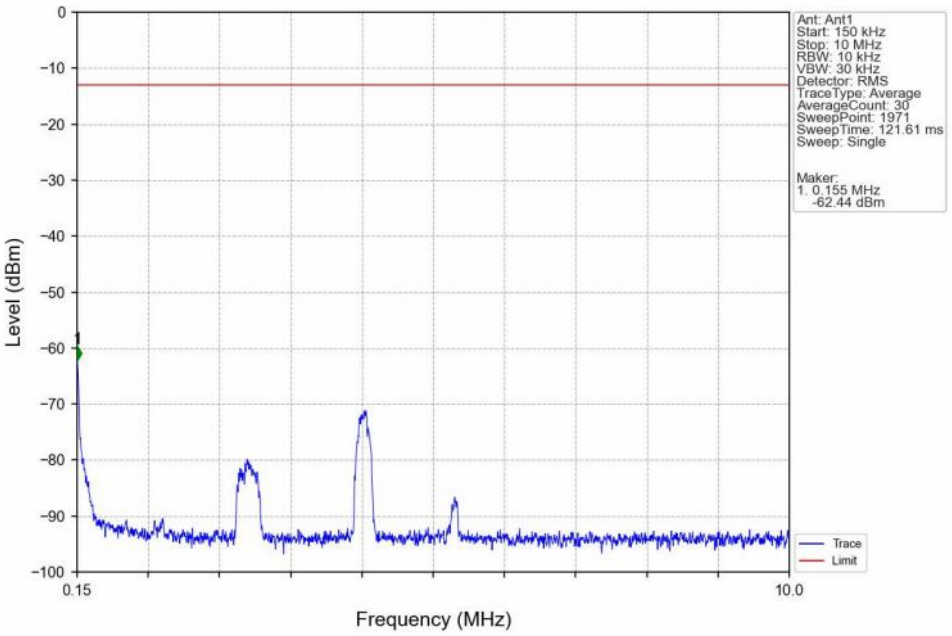


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.912	-36.20	-13	Pass
1709	1710	0.003	/	2	1709.998	-35.10	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

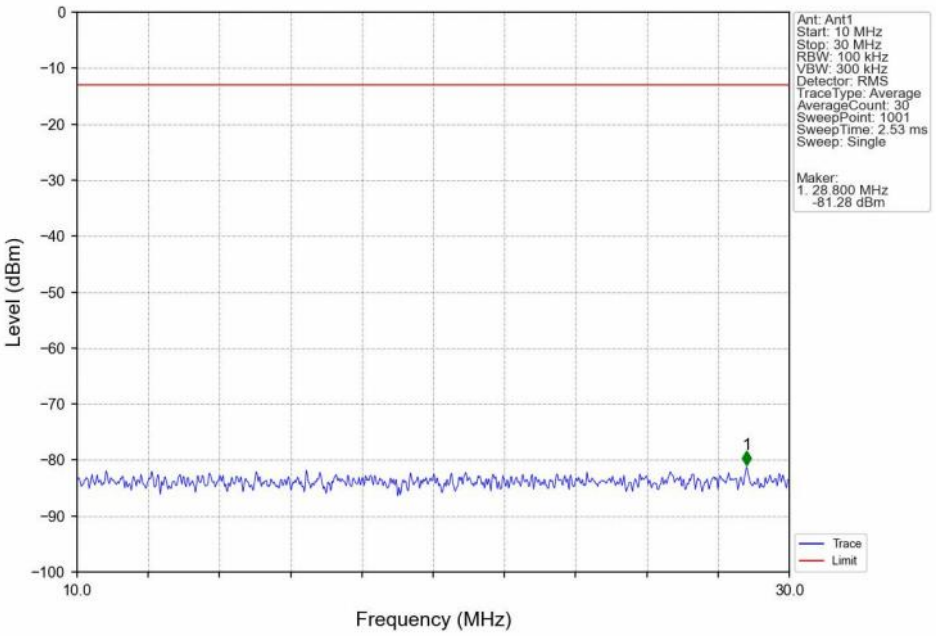
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



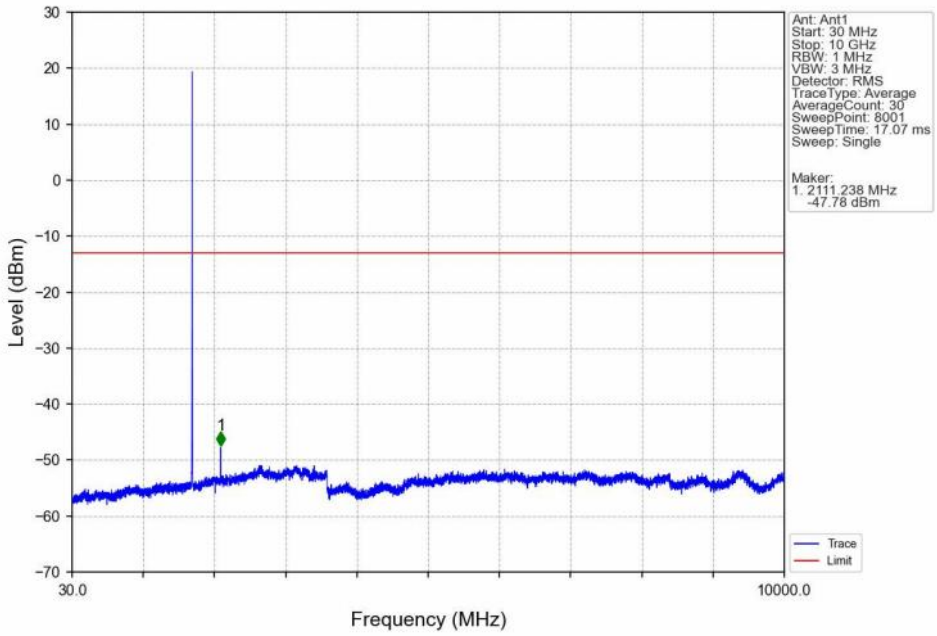
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



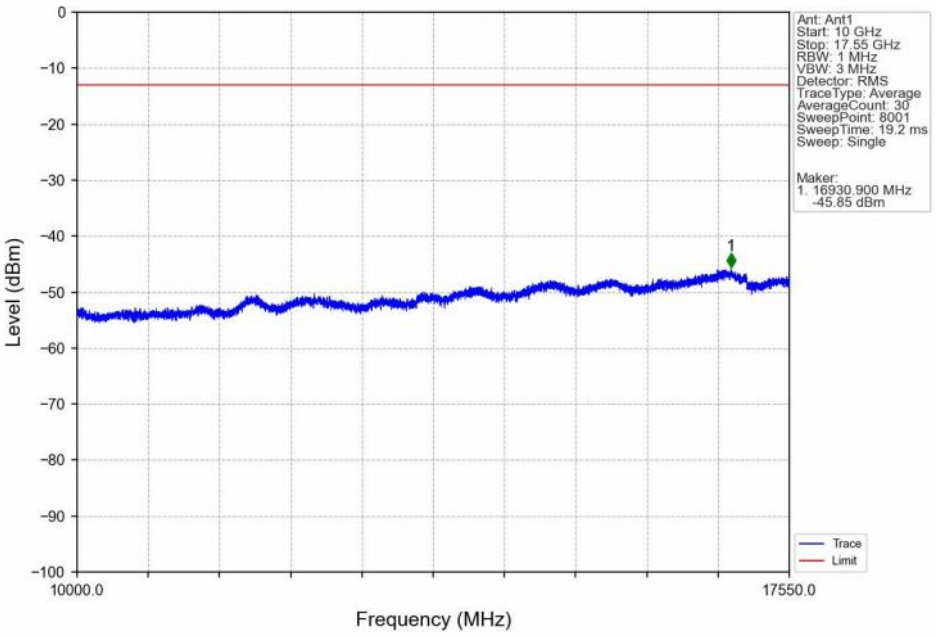
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



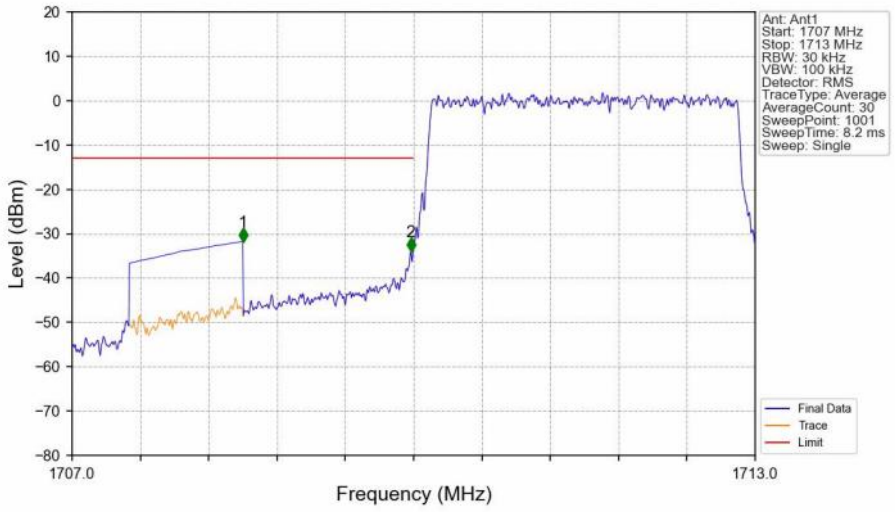
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

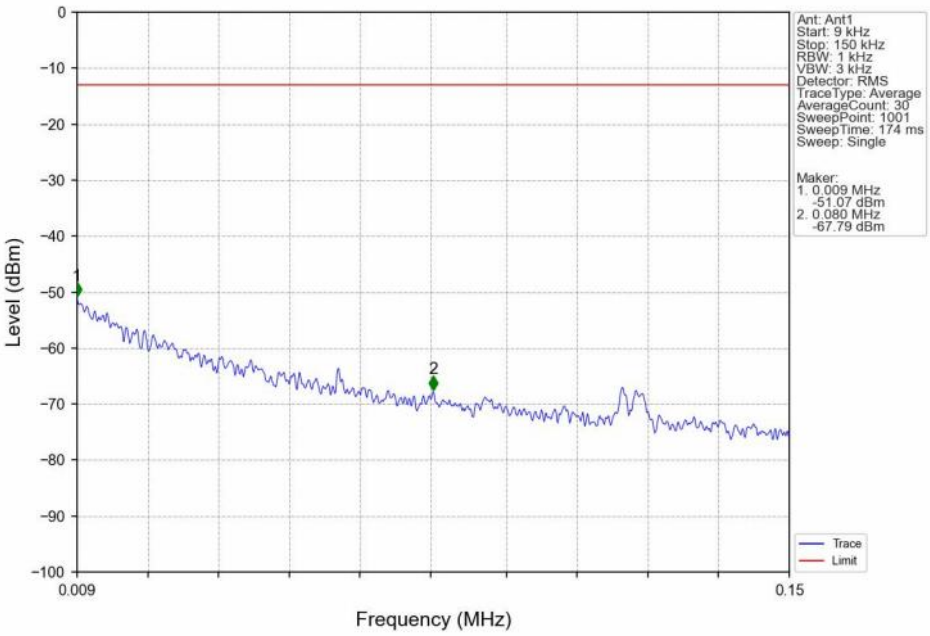


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

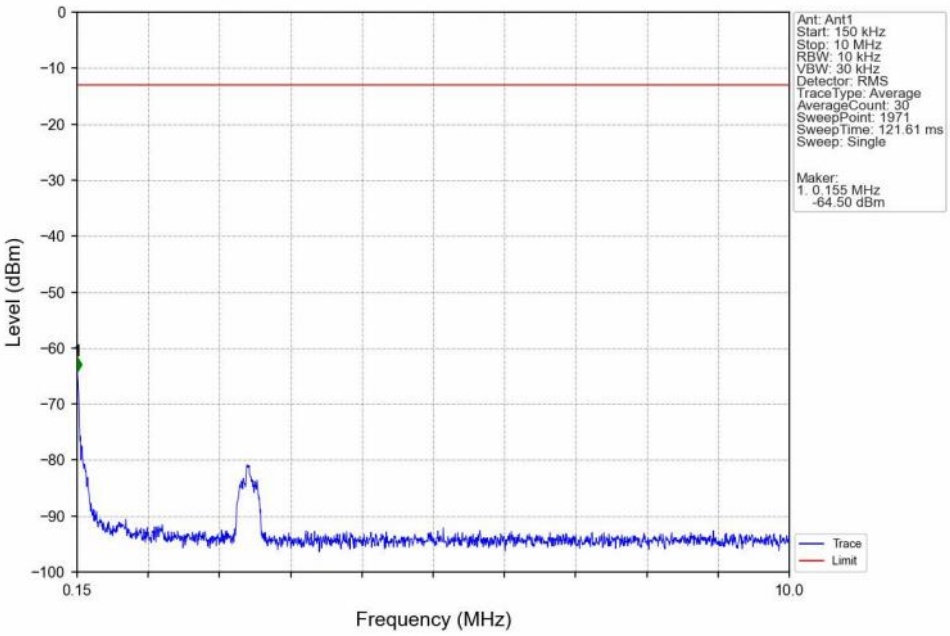


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-31.79	-13	Pass
1709	1710	0.03	/	2	1709.976	-34.05	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

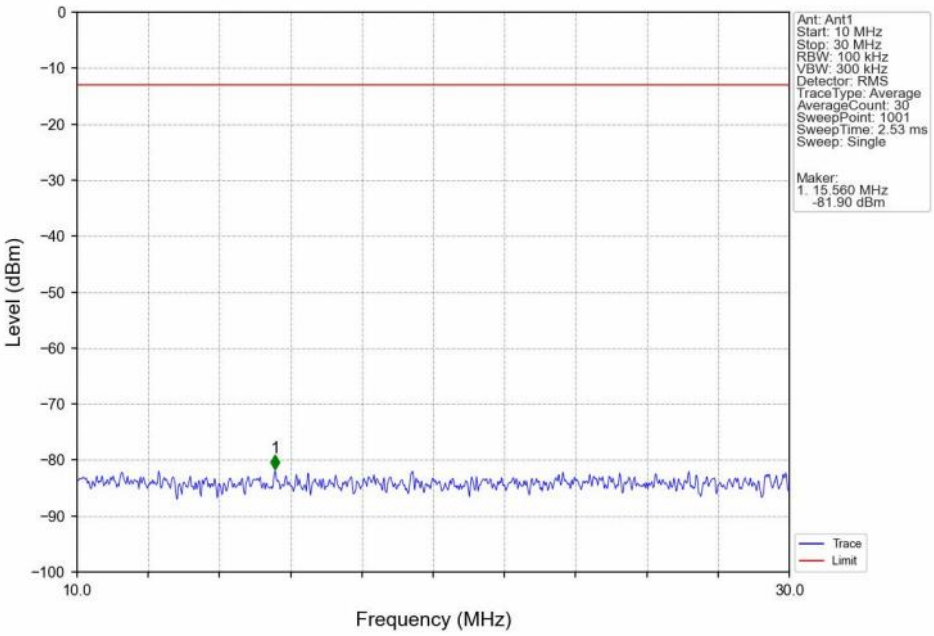
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



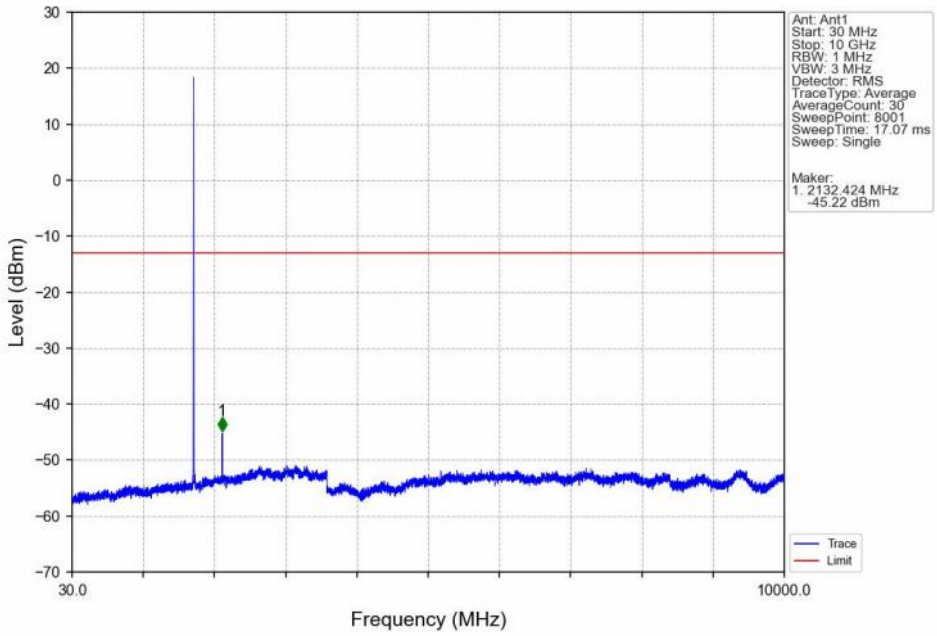
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



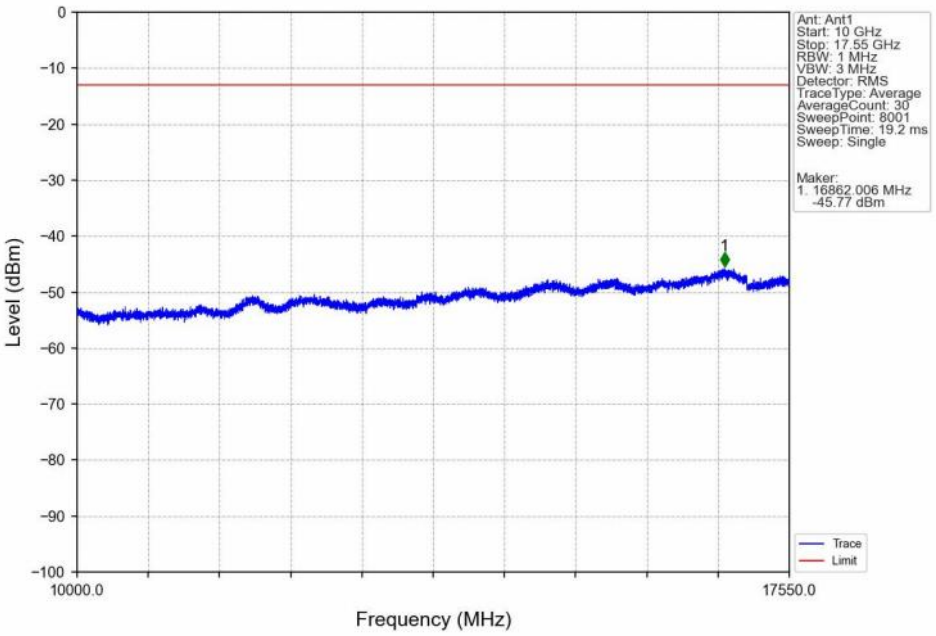
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



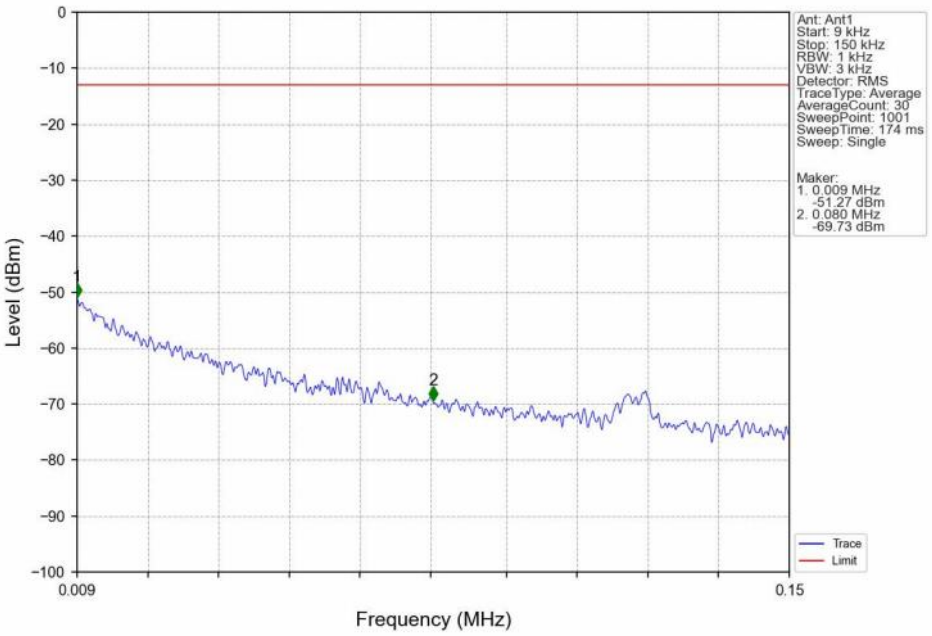
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



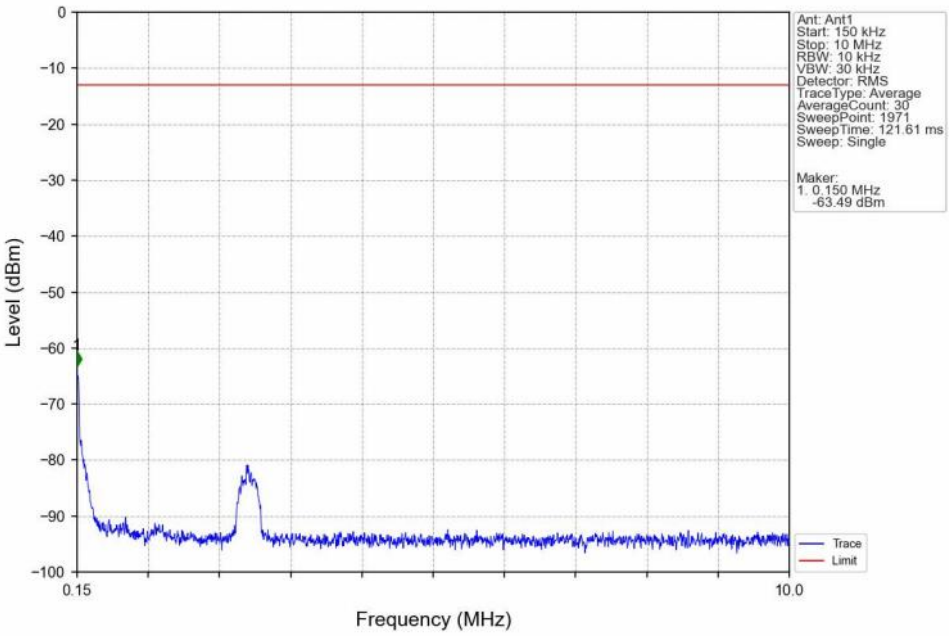
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



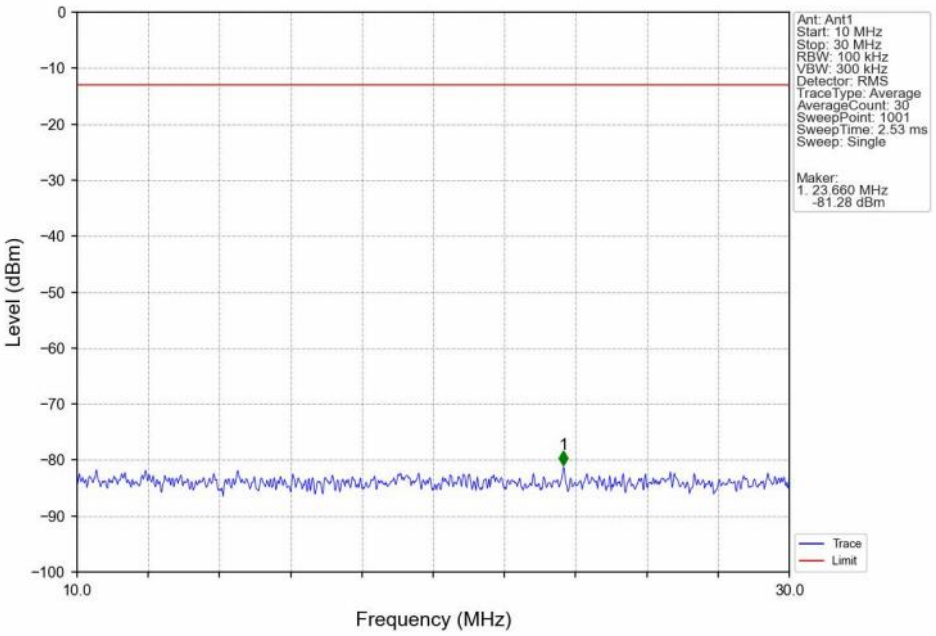
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV