

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.24	3.20	26.44	<=30	Pass
			2	23.30	3.20	26.50	<=30	Pass
			5	23.19	3.20	26.39	<=30	Pass
		3	0	23.20	3.20	26.40	<=30	Pass
			2	23.23	3.20	26.43	<=30	Pass
			3	23.23	3.20	26.43	<=30	Pass
		6	0	22.14	3.20	25.34	<=30	Pass
	1732.5	1	0	23.57	3.20	26.77	<=30	Pass
			2	23.55	3.20	26.75	<=30	Pass
			5	23.55	3.20	26.75	<=30	Pass
		3	0	23.54	3.20	26.74	<=30	Pass
			2	23.55	3.20	26.75	<=30	Pass
			3	23.59	3.20	26.79	<=30	Pass
		6	0	22.56	3.20	25.76	<=30	Pass
	1754.3	1	0	23.48	3.20	26.68	<=30	Pass
			2	23.56	3.20	26.76	<=30	Pass
			5	23.55	3.20	26.75	<=30	Pass
		3	0	23.48	3.20	26.68	<=30	Pass
			2	23.56	3.20	26.76	<=30	Pass
			3	23.50	3.20	26.70	<=30	Pass
		6	0	22.44	3.20	25.64	<=30	Pass
16QAM	1710.7	1	0	22.48	3.20	25.68	<=30	Pass
			2	22.37	3.20	25.57	<=30	Pass
			5	22.39	3.20	25.59	<=30	Pass
		3	0	22.19	3.20	25.39	<=30	Pass
			2	22.16	3.20	25.36	<=30	Pass
			3	22.27	3.20	25.47	<=30	Pass
		6	0	21.61	3.20	24.81	<=30	Pass
	1732.5	1	0	22.79	3.20	25.99	<=30	Pass
			2	22.76	3.20	25.96	<=30	Pass
			5	22.77	3.20	25.97	<=30	Pass
		3	0	22.55	3.20	25.75	<=30	Pass
			2	22.51	3.20	25.71	<=30	Pass
			3	22.53	3.20	25.73	<=30	Pass
		6	0	22.05	3.20	25.25	<=30	Pass
	1754.3	1	0	22.76	3.20	25.96	<=30	Pass
			2	22.64	3.20	25.84	<=30	Pass
			5	22.79	3.20	25.99	<=30	Pass
		3	0	22.56	3.20	25.76	<=30	Pass
			2	22.46	3.20	25.66	<=30	Pass
			3	22.40	3.20	25.60	<=30	Pass
		6	0	22.04	3.20	25.24	<=30	Pass
64QAM	1710.7	1	0	21.67	3.20	24.87	<=30	Pass
			2	21.74	3.20	24.94	<=30	Pass
			5	21.71	3.20	24.91	<=30	Pass
		3	0	21.68	3.20	24.88	<=30	Pass
			2	21.70	3.20	24.90	<=30	Pass
			3	21.72	3.20	24.92	<=30	Pass

		6	0	20.54	3.20	23.74	<=30	Pass
	1732.5	1	0	22.04	3.20	25.24	<=30	Pass
			2	22.05	3.20	25.25	<=30	Pass
			5	21.98	3.20	25.18	<=30	Pass
			0	22.06	3.20	25.26	<=30	Pass
		3	2	22.14	3.20	25.34	<=30	Pass
			3	21.95	3.20	25.15	<=30	Pass
			6	0	20.94	3.20	24.14	<=30
	1754.3	1	0	22.13	3.20	25.33	<=30	Pass
			2	22.10	3.20	25.30	<=30	Pass
			5	22.08	3.20	25.28	<=30	Pass
		3	0	22.03	3.20	25.23	<=30	Pass
			2	21.97	3.20	25.17	<=30	Pass
			3	22.03	3.20	25.23	<=30	Pass
			6	0	20.90	3.20	24.10	<=30
		256QAM	1710.7	1	0	18.61	3.20	21.81
2	18.50				3.20	21.70	<=30	Pass
5	18.56				3.20	21.76	<=30	Pass
3	0			18.62	3.20	21.82	<=30	Pass
	2			18.57	3.20	21.77	<=30	Pass
	3			18.59	3.20	21.79	<=30	Pass
6	0			18.54	3.20	21.74	<=30	Pass
1732.5	1		0	18.91	3.20	22.11	<=30	Pass
			2	18.94	3.20	22.14	<=30	Pass
			5	18.91	3.20	22.11	<=30	Pass
	3		0	18.92	3.20	22.12	<=30	Pass
			2	18.96	3.20	22.16	<=30	Pass
			3	18.89	3.20	22.09	<=30	Pass
6	0		18.80	3.20	22.00	<=30	Pass	
1754.3	1		0	18.96	3.20	22.16	<=30	Pass
			2	18.97	3.20	22.17	<=30	Pass
			5	18.94	3.20	22.14	<=30	Pass
	3		0	18.99	3.20	22.19	<=30	Pass
			2	18.88	3.20	22.08	<=30	Pass
			3	18.99	3.20	22.19	<=30	Pass
	6	0	18.85	3.20	22.05	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.26	3.20	26.46	<=30	Pass
			7	23.31	3.20	26.51	<=30	Pass
			14	23.22	3.20	26.42	<=30	Pass
		8	0	22.20	3.20	25.40	<=30	Pass
			4	22.13	3.20	25.33	<=30	Pass
			7	22.12	3.20	25.32	<=30	Pass
		15	0	22.18	3.20	25.38	<=30	Pass
	1732.5	1	0	23.63	3.20	26.83	<=30	Pass
			7	23.67	3.20	26.87	<=30	Pass
			14	23.60	3.20	26.80	<=30	Pass
		8	0	22.67	3.20	25.87	<=30	Pass
			4	22.56	3.20	25.76	<=30	Pass
			7	22.52	3.20	25.72	<=30	Pass

	1753.5	15	0	22.48	3.20	25.68	<=30	Pass
		1	0	23.45	3.20	26.65	<=30	Pass
			7	23.55	3.20	26.75	<=30	Pass
			14	23.48	3.20	26.68	<=30	Pass
		8	0	22.43	3.20	25.63	<=30	Pass
			4	22.47	3.20	25.67	<=30	Pass
			7	22.56	3.20	25.76	<=30	Pass
16QAM	1711.5	15	0	22.53	3.20	25.73	<=30	Pass
		1	0	22.57	3.20	25.77	<=30	Pass
			7	22.48	3.20	25.68	<=30	Pass
			14	22.44	3.20	25.64	<=30	Pass
		8	0	21.63	3.20	24.83	<=30	Pass
			4	21.62	3.20	24.82	<=30	Pass
			7	21.66	3.20	24.86	<=30	Pass
	1732.5	15	0	21.55	3.20	24.75	<=30	Pass
		1	0	22.91	3.20	26.11	<=30	Pass
			7	22.66	3.20	25.86	<=30	Pass
			14	22.79	3.20	25.99	<=30	Pass
		8	0	22.13	3.20	25.33	<=30	Pass
			4	22.02	3.20	25.22	<=30	Pass
			7	22.01	3.20	25.21	<=30	Pass
	1753.5	15	0	21.95	3.20	25.15	<=30	Pass
		1	0	22.77	3.20	25.97	<=30	Pass
			7	22.68	3.20	25.88	<=30	Pass
			14	22.68	3.20	25.88	<=30	Pass
		8	0	21.90	3.20	25.10	<=30	Pass
			4	21.99	3.20	25.19	<=30	Pass
			7	21.99	3.20	25.19	<=30	Pass
64QAM	1711.5	15	0	21.93	3.20	25.13	<=30	Pass
		1	0	21.67	3.20	24.87	<=30	Pass
			7	21.73	3.20	24.93	<=30	Pass
			14	21.66	3.20	24.86	<=30	Pass
		8	0	20.45	3.20	23.65	<=30	Pass
			4	20.57	3.20	23.77	<=30	Pass
			7	20.66	3.20	23.86	<=30	Pass
	1732.5	15	0	20.60	3.20	23.80	<=30	Pass
		1	0	22.20	3.20	25.40	<=30	Pass
			7	22.08	3.20	25.28	<=30	Pass
			14	21.95	3.20	25.15	<=30	Pass
		8	0	20.95	3.20	24.15	<=30	Pass
			4	20.90	3.20	24.10	<=30	Pass
			7	20.93	3.20	24.13	<=30	Pass
	1753.5	15	0	20.94	3.20	24.14	<=30	Pass
		1	0	21.97	3.20	25.17	<=30	Pass
			7	22.18	3.20	25.38	<=30	Pass
			14	22.03	3.20	25.23	<=30	Pass
		8	0	20.84	3.20	24.04	<=30	Pass
			4	20.92	3.20	24.12	<=30	Pass
			7	21.00	3.20	24.20	<=30	Pass
256QAM	1711.5	15	0	20.91	3.20	24.11	<=30	Pass
		1	0	18.59	3.20	21.79	<=30	Pass
			7	18.60	3.20	21.80	<=30	Pass
			14	18.53	3.20	21.73	<=30	Pass
		8	0	18.51	3.20	21.71	<=30	Pass
			4	18.53	3.20	21.73	<=30	Pass
			7	18.45	3.20	21.65	<=30	Pass
	1732.5	1	0	18.53	3.20	21.73	<=30	Pass
			0	18.98	3.20	22.18	<=30	Pass

		8	7	18.93	3.20	22.13	<=30	Pass
			14	19.03	3.20	22.23	<=30	Pass
			0	18.84	3.20	22.04	<=30	Pass
			4	18.74	3.20	21.94	<=30	Pass
			7	18.93	3.20	22.13	<=30	Pass
	1753.5	15	0	18.88	3.20	22.08	<=30	Pass
			0	18.87	3.20	22.07	<=30	Pass
			7	18.77	3.20	21.97	<=30	Pass
		1	14	18.97	3.20	22.17	<=30	Pass
			0	18.87	3.20	22.07	<=30	Pass
			4	18.88	3.20	22.08	<=30	Pass
		8	7	18.88	3.20	22.08	<=30	Pass
			0	18.84	3.20	22.04	<=30	Pass
			0	18.84	3.20	22.04	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.24	3.20	26.44	<=30	Pass
			13	23.19	3.20	26.39	<=30	Pass
			24	23.26	3.20	26.46	<=30	Pass
		12	0	22.20	3.20	25.40	<=30	Pass
			6	22.17	3.20	25.37	<=30	Pass
			13	22.05	3.20	25.25	<=30	Pass
		25	0	22.15	3.20	25.35	<=30	Pass
	1732.5	1	0	23.66	3.20	26.86	<=30	Pass
			13	23.58	3.20	26.78	<=30	Pass
			24	23.69	3.20	26.89	<=30	Pass
		12	0	22.59	3.20	25.79	<=30	Pass
			6	22.55	3.20	25.75	<=30	Pass
			13	22.54	3.20	25.74	<=30	Pass
		25	0	22.64	3.20	25.84	<=30	Pass
	1752.5	1	0	23.45	3.20	26.65	<=30	Pass
			13	23.51	3.20	26.71	<=30	Pass
			24	23.62	3.20	26.82	<=30	Pass
		12	0	22.44	3.20	25.64	<=30	Pass
			6	22.44	3.20	25.64	<=30	Pass
			13	22.45	3.20	25.65	<=30	Pass
		25	0	22.37	3.20	25.57	<=30	Pass
16QAM	1712.5	1	0	22.66	3.20	25.86	<=30	Pass
			13	22.48	3.20	25.68	<=30	Pass
			24	22.36	3.20	25.56	<=30	Pass
		12	0	21.58	3.20	24.78	<=30	Pass
			6	21.54	3.20	24.74	<=30	Pass
			13	21.52	3.20	24.72	<=30	Pass
		25	0	21.68	3.20	24.88	<=30	Pass
	1732.5	1	0	22.87	3.20	26.07	<=30	Pass
			13	22.72	3.20	25.92	<=30	Pass
			24	22.78	3.20	25.98	<=30	Pass
		12	0	21.99	3.20	25.19	<=30	Pass
			6	21.97	3.20	25.17	<=30	Pass
			13	21.94	3.20	25.14	<=30	Pass
		25	0	22.02	3.20	25.22	<=30	Pass
	1752.5	1	0	22.85	3.20	26.05	<=30	Pass

		12	13	22.74	3.20	25.94	<=30	Pass		
			24	22.91	3.20	26.11	<=30	Pass		
			0	21.76	3.20	24.96	<=30	Pass		
			6	21.85	3.20	25.05	<=30	Pass		
			13	21.92	3.20	25.12	<=30	Pass		
			25	0	21.86	3.20	25.06	<=30	Pass	
64QAM	1712.5	1	0	21.74	3.20	24.94	<=30	Pass		
			13	21.76	3.20	24.96	<=30	Pass		
			24	21.84	3.20	25.04	<=30	Pass		
		12	0	20.63	3.20	23.83	<=30	Pass		
			6	20.57	3.20	23.77	<=30	Pass		
			13	20.53	3.20	23.73	<=30	Pass		
		25	0	20.51	3.20	23.71	<=30	Pass		
		1732.5	1	0	22.28	3.20	25.48	<=30	Pass	
				13	22.21	3.20	25.41	<=30	Pass	
	24			22.06	3.20	25.26	<=30	Pass		
	12		0	20.99	3.20	24.19	<=30	Pass		
			6	21.00	3.20	24.20	<=30	Pass		
			13	20.83	3.20	24.03	<=30	Pass		
	25	0	20.89	3.20	24.09	<=30	Pass			
	1752.5	1	0	21.96	3.20	25.16	<=30	Pass		
			13	22.13	3.20	25.33	<=30	Pass		
			24	22.08	3.20	25.28	<=30	Pass		
		12	0	20.76	3.20	23.96	<=30	Pass		
			6	20.83	3.20	24.03	<=30	Pass		
			13	20.97	3.20	24.17	<=30	Pass		
		25	0	20.87	3.20	24.07	<=30	Pass		
		256QAM	1712.5	1	0	18.60	3.20	21.80	<=30	Pass
					13	18.63	3.20	21.83	<=30	Pass
	24				18.67	3.20	21.87	<=30	Pass	
12	0			18.46	3.20	21.66	<=30	Pass		
	6			18.38	3.20	21.58	<=30	Pass		
	13			18.37	3.20	21.57	<=30	Pass		
25	0			18.51	3.20	21.71	<=30	Pass		
1732.5	1			0	19.05	3.20	22.25	<=30	Pass	
				13	18.99	3.20	22.19	<=30	Pass	
			24	18.98	3.20	22.18	<=30	Pass		
	12		0	18.88	3.20	22.08	<=30	Pass		
			6	18.83	3.20	22.03	<=30	Pass		
			13	18.77	3.20	21.97	<=30	Pass		
	25		0	18.91	3.20	22.11	<=30	Pass		
	1752.5		1	0	18.80	3.20	22.00	<=30	Pass	
				13	18.92	3.20	22.12	<=30	Pass	
24				19.06	3.20	22.26	<=30	Pass		
12			0	18.81	3.20	22.01	<=30	Pass		
		6	18.77	3.20	21.97	<=30	Pass			
		13	18.77	3.20	21.97	<=30	Pass			
25	0	18.89	3.20	22.09	<=30	Pass				
Note1: EIRP=Conducted Power+Antenna Gain										

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.31	3.20	26.51	<=30	Pass

			25	23.12	3.20	26.32	<=30	Pass	
			49	23.50	3.20	26.70	<=30	Pass	
			25	0	22.20	3.20	25.40	<=30	Pass
				13	22.07	3.20	25.27	<=30	Pass
				25	22.23	3.20	25.43	<=30	Pass
		50	0	22.15	3.20	25.35	<=30	Pass	
		1732.5	1	0	23.74	3.20	26.94	<=30	Pass
				25	23.56	3.20	26.76	<=30	Pass
				49	23.48	3.20	26.68	<=30	Pass
			25	0	22.65	3.20	25.85	<=30	Pass
	13			22.57	3.20	25.77	<=30	Pass	
	25			22.49	3.20	25.69	<=30	Pass	
	50	0	22.52	3.20	25.72	<=30	Pass		
	1750	1	0	23.11	3.20	26.31	<=30	Pass	
			25	23.34	3.20	26.54	<=30	Pass	
			49	23.64	3.20	26.84	<=30	Pass	
		25	0	22.22	3.20	25.42	<=30	Pass	
			13	22.42	3.20	25.62	<=30	Pass	
			25	22.53	3.20	25.73	<=30	Pass	
		50	0	22.43	3.20	25.63	<=30	Pass	
		16QAM	1715	1	0	22.60	3.20	25.80	<=30
25					22.37	3.20	25.57	<=30	Pass
49	22.55				3.20	25.75	<=30	Pass	
25	0			21.57	3.20	24.77	<=30	Pass	
	13			21.58	3.20	24.78	<=30	Pass	
	25			21.67	3.20	24.87	<=30	Pass	
50	0		21.66	3.20	24.86	<=30	Pass		
1732.5	1		0	22.92	3.20	26.12	<=30	Pass	
			25	22.76	3.20	25.96	<=30	Pass	
			49	22.65	3.20	25.85	<=30	Pass	
	25	0	22.04	3.20	25.24	<=30	Pass		
13		22.05	3.20	25.25	<=30	Pass			
25		21.68	3.20	24.88	<=30	Pass			
50	0	21.94	3.20	25.14	<=30	Pass			
1750	1	0	22.41	3.20	25.61	<=30	Pass		
		25	22.52	3.20	25.72	<=30	Pass		
		49	22.75	3.20	25.95	<=30	Pass		
	25	0	21.58	3.20	24.78	<=30	Pass		
		13	21.79	3.20	24.99	<=30	Pass		
		25	21.92	3.20	25.12	<=30	Pass		
50	0	21.88	3.20	25.08	<=30	Pass			
64QAM	1715	1	0	21.69	3.20	24.89	<=30	Pass	
			25	21.86	3.20	25.06	<=30	Pass	
			49	21.90	3.20	25.10	<=30	Pass	
		25	0	20.51	3.20	23.71	<=30	Pass	
			13	20.60	3.20	23.80	<=30	Pass	
			25	20.71	3.20	23.91	<=30	Pass	
		50	0	20.63	3.20	23.83	<=30	Pass	
	1732.5	1	0	22.07	3.20	25.27	<=30	Pass	
			25	22.07	3.20	25.27	<=30	Pass	
			49	21.92	3.20	25.12	<=30	Pass	
		25	0	21.00	3.20	24.20	<=30	Pass	
			13	20.92	3.20	24.12	<=30	Pass	
			25	20.68	3.20	23.88	<=30	Pass	
	50	0	20.86	3.20	24.06	<=30	Pass		
	1750	1	0	21.62	3.20	24.82	<=30	Pass	
			25	21.89	3.20	25.09	<=30	Pass	
			49	22.17	3.20	25.37	<=30	Pass	

256QAM		25	0	20.63	3.20	23.83	<=30	Pass
			13	20.79	3.20	23.99	<=30	Pass
			25	20.94	3.20	24.14	<=30	Pass
		50	0	20.73	3.20	23.93	<=30	Pass
	1715	1	0	18.65	3.20	21.85	<=30	Pass
			25	18.57	3.20	21.77	<=30	Pass
			49	18.74	3.20	21.94	<=30	Pass
		25	0	18.49	3.20	21.69	<=30	Pass
			13	18.43	3.20	21.63	<=30	Pass
			25	18.55	3.20	21.75	<=30	Pass
		50	0	18.54	3.20	21.74	<=30	Pass
	1732.5	1	0	19.10	3.20	22.30	<=30	Pass
			25	19.06	3.20	22.26	<=30	Pass
			49	18.93	3.20	22.13	<=30	Pass
		25	0	18.97	3.20	22.17	<=30	Pass
			13	18.90	3.20	22.10	<=30	Pass
			25	18.77	3.20	21.97	<=30	Pass
		50	0	18.84	3.20	22.04	<=30	Pass
	1750	1	0	18.45	3.20	21.65	<=30	Pass
			25	18.75	3.20	21.95	<=30	Pass
			49	18.91	3.20	22.11	<=30	Pass
		25	0	18.56	3.20	21.76	<=30	Pass
			13	18.69	3.20	21.89	<=30	Pass
			25	18.93	3.20	22.13	<=30	Pass
		50	0	18.67	3.20	21.87	<=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	23.17	3.20	26.37	<=30	Pass
			38	23.25	3.20	26.45	<=30	Pass
			74	23.71	3.20	26.91	<=30	Pass
		36	0	22.05	3.20	25.25	<=30	Pass
			18	22.08	3.20	25.28	<=30	Pass
			39	22.48	3.20	25.68	<=30	Pass
		75	0	22.28	3.20	25.48	<=30	Pass
	1732.5	1	0	23.60	3.20	26.80	<=30	Pass
			38	23.57	3.20	26.77	<=30	Pass
			74	23.29	3.20	26.49	<=30	Pass
		36	0	22.54	3.20	25.74	<=30	Pass
			18	22.56	3.20	25.76	<=30	Pass
			39	22.42	3.20	25.62	<=30	Pass
		75	0	22.49	3.20	25.69	<=30	Pass
	1747.5	1	0	23.11	3.20	26.31	<=30	Pass
			38	23.27	3.20	26.47	<=30	Pass
			74	23.60	3.20	26.80	<=30	Pass
		36	0	22.03	3.20	25.23	<=30	Pass
			18	22.23	3.20	25.43	<=30	Pass
			39	22.48	3.20	25.68	<=30	Pass
		75	0	22.25	3.20	25.45	<=30	Pass
16QAM	1717.5	1	0	22.44	3.20	25.64	<=30	Pass
			38	22.38	3.20	25.58	<=30	Pass
			74	22.81	3.20	26.01	<=30	Pass

		36	0	21.44	3.20	24.64	<=30	Pass	
			18	21.57	3.20	24.77	<=30	Pass	
			39	21.82	3.20	25.02	<=30	Pass	
		75	0	21.71	3.20	24.91	<=30	Pass	
			38	22.78	3.20	25.98	<=30	Pass	
			74	22.51	3.20	25.71	<=30	Pass	
		36	0	22.03	3.20	25.23	<=30	Pass	
			18	21.95	3.20	25.15	<=30	Pass	
			39	21.70	3.20	24.90	<=30	Pass	
		75	0	21.85	3.20	25.05	<=30	Pass	
		38	22.40	3.20	25.60	<=30	Pass		
		74	22.87	3.20	26.07	<=30	Pass		
	36	0	21.42	3.20	24.62	<=30	Pass		
		18	21.54	3.20	24.74	<=30	Pass		
		39	21.76	3.20	24.96	<=30	Pass		
	75	0	21.64	3.20	24.84	<=30	Pass		
	64QAM	1717.5	1	0	21.66	3.20	24.86	<=30	Pass
				38	21.77	3.20	24.97	<=30	Pass
				74	21.98	3.20	25.18	<=30	Pass
			36	0	20.48	3.20	23.68	<=30	Pass
				18	20.65	3.20	23.85	<=30	Pass
39				20.87	3.20	24.07	<=30	Pass	
75			0	20.65	3.20	23.85	<=30	Pass	
38			22.04	3.20	25.24	<=30	Pass		
74			21.83	3.20	25.03	<=30	Pass		
36		0	21.06	3.20	24.26	<=30	Pass		
		18	20.90	3.20	24.10	<=30	Pass		
		39	20.77	3.20	23.97	<=30	Pass		
75		0	20.86	3.20	24.06	<=30	Pass		
38		21.73	3.20	24.93	<=30	Pass			
74		22.18	3.20	25.38	<=30	Pass			
36		0	20.47	3.20	23.67	<=30	Pass		
		18	20.64	3.20	23.84	<=30	Pass		
		39	20.83	3.20	24.03	<=30	Pass		
75		0	20.66	3.20	23.86	<=30	Pass		
256QAM		1717.5	1	0	18.52	3.20	21.72	<=30	Pass
				38	18.65	3.20	21.85	<=30	Pass
	74			19.03	3.20	22.23	<=30	Pass	
	36		0	18.56	3.20	21.76	<=30	Pass	
			18	18.52	3.20	21.72	<=30	Pass	
			39	18.84	3.20	22.04	<=30	Pass	
	75		0	18.61	3.20	21.81	<=30	Pass	
	38		19.04	3.20	22.24	<=30	Pass		
	74		18.66	3.20	21.86	<=30	Pass		
	36	0	18.89	3.20	22.09	<=30	Pass		
		18	18.91	3.20	22.11	<=30	Pass		
		39	18.64	3.20	21.84	<=30	Pass		
	75	0	18.80	3.20	22.00	<=30	Pass		
	38	18.61	3.20	21.81	<=30	Pass			
	74	19.01	3.20	22.21	<=30	Pass			
	36	0	18.39	3.20	21.59	<=30	Pass		
		18	18.56	3.20	21.76	<=30	Pass		

			39	18.75	3.20	21.95	<=30	Pass
		75	0	18.61	3.20	21.81	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.09	3.20	26.29	<=30	Pass
			50	23.31	3.20	26.51	<=30	Pass
			99	23.81	3.20	27.01	<=30	Pass
		50	0	22.12	3.20	25.32	<=30	Pass
			25	22.23	3.20	25.43	<=30	Pass
			50	22.65	3.20	25.85	<=30	Pass
		100	0	22.41	3.20	25.61	<=30	Pass
	1732.5	1	0	23.52	3.20	26.72	<=30	Pass
			50	23.58	3.20	26.78	<=30	Pass
			99	23.31	3.20	26.51	<=30	Pass
		50	0	22.61	3.20	25.81	<=30	Pass
			25	22.63	3.20	25.83	<=30	Pass
			50	22.25	3.20	25.45	<=30	Pass
		100	0	22.53	3.20	25.73	<=30	Pass
	1745	1	0	23.48	3.20	26.68	<=30	Pass
			50	23.18	3.20	26.38	<=30	Pass
			99	23.58	3.20	26.78	<=30	Pass
		50	0	22.28	3.20	25.48	<=30	Pass
			25	22.25	3.20	25.45	<=30	Pass
			50	22.38	3.20	25.58	<=30	Pass
		100	0	22.32	3.20	25.52	<=30	Pass
16QAM	1720	1	0	22.51	3.20	25.71	<=30	Pass
			50	22.49	3.20	25.69	<=30	Pass
			99	22.88	3.20	26.08	<=30	Pass
		50	0	21.49	3.20	24.69	<=30	Pass
			25	21.83	3.20	25.03	<=30	Pass
			50	22.10	3.20	25.30	<=30	Pass
		100	0	21.77	3.20	24.97	<=30	Pass
	1732.5	1	0	22.88	3.20	26.08	<=30	Pass
			50	22.76	3.20	25.96	<=30	Pass
			99	22.54	3.20	25.74	<=30	Pass
		50	0	22.14	3.20	25.34	<=30	Pass
			25	21.91	3.20	25.11	<=30	Pass
			50	21.73	3.20	24.93	<=30	Pass
		100	0	21.85	3.20	25.05	<=30	Pass
	1745	1	0	22.74	3.20	25.94	<=30	Pass
			50	22.31	3.20	25.51	<=30	Pass
			99	22.90	3.20	26.10	<=30	Pass
		50	0	21.61	3.20	24.81	<=30	Pass
			25	21.61	3.20	24.81	<=30	Pass
			50	21.91	3.20	25.11	<=30	Pass
		100	0	21.64	3.20	24.84	<=30	Pass
64QAM	1720	1	0	21.72	3.20	24.92	<=30	Pass
			50	21.90	3.20	25.10	<=30	Pass
			99	22.20	3.20	25.40	<=30	Pass
		50	0	20.46	3.20	23.66	<=30	Pass
			25	20.71	3.20	23.91	<=30	Pass

			50	21.09	3.20	24.29	<=30	Pass
		100	0	20.86	3.20	24.06	<=30	Pass
	1732.5	1	0	22.03	3.20	25.23	<=30	Pass
			50	22.14	3.20	25.34	<=30	Pass
			99	21.67	3.20	24.87	<=30	Pass
			0	20.90	3.20	24.10	<=30	Pass
		50	25	20.92	3.20	24.12	<=30	Pass
			50	20.67	3.20	23.87	<=30	Pass
			100	0	20.80	3.20	24.00	<=30
	1745	1	0	21.85	3.20	25.05	<=30	Pass
			50	21.60	3.20	24.80	<=30	Pass
			99	22.27	3.20	25.47	<=30	Pass
		50	0	20.62	3.20	23.82	<=30	Pass
			25	20.56	3.20	23.76	<=30	Pass
			50	20.90	3.20	24.10	<=30	Pass
		100	0	20.72	3.20	23.92	<=30	Pass
256QAM	1720	1	0	18.51	3.20	21.71	<=30	Pass
			50	18.79	3.20	21.99	<=30	Pass
			99	19.09	3.20	22.29	<=30	Pass
		50	0	18.40	3.20	21.60	<=30	Pass
			25	18.74	3.20	21.94	<=30	Pass
			50	19.09	3.20	22.29	<=30	Pass
		100	0	18.73	3.20	21.93	<=30	Pass
	1732.5	1	0	18.92	3.20	22.12	<=30	Pass
			50	18.98	3.20	22.18	<=30	Pass
			99	18.58	3.20	21.78	<=30	Pass
		50	0	18.95	3.20	22.15	<=30	Pass
			25	18.90	3.20	22.10	<=30	Pass
			50	18.51	3.20	21.71	<=30	Pass
		100	0	18.68	3.20	21.88	<=30	Pass
	1745	1	0	18.76	3.20	21.96	<=30	Pass
			50	18.47	3.20	21.67	<=30	Pass
			99	19.07	3.20	22.27	<=30	Pass
		50	0	18.55	3.20	21.75	<=30	Pass
			25	18.51	3.20	21.71	<=30	Pass
			50	18.80	3.20	22.00	<=30	Pass
		100	0	18.66	3.20	21.86	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1732.5	6	0	20	3.27	-9.758	-0.0056	-2.5 to 2.5	Pass
					3.85	-2.759	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.067	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	3.901	0.0023	-2.5 to 2.5	Pass
				-20	3.85	4.044	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.012	0.0000	-2.5 to 2.5	Pass
				0	3.85	3.353	0.0019	-2.5 to 2.5	Pass

				10	3.85	4.147	0.0024	-2.5 to 2.5	Pass
				30	3.85	-0.219	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.252	0.0001	-2.5 to 2.5	Pass
				50	3.85	2.603	0.0015	-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	1732.5	15	0	20	3.27	-7.905	-0.0046	-2.5 to 2.5	Pass
					3.85	-5.405	-0.0031	-2.5 to 2.5	Pass
					4.43	-4.051	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-2.507	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.548	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.355	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-5.711	-0.0033	-2.5 to 2.5	Pass
				10	3.85	0.213	0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.448	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-1.395	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-3.570	-0.0021	-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	1732.5	25	0	20	3.27	-5.006	-0.0029	-2.5 to 2.5	Pass
					3.85	-0.037	0.0000	-2.5 to 2.5	Pass
					4.43	0.199	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-4.088	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-4.164	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-5.650	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-3.499	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-4.446	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-5.591	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-6.581	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-3.420	-0.0020	-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	1732.5	50	0	20	3.27	-6.384	-0.0037	-2.5 to 2.5	Pass
					3.85	-3.820	-0.0022	-2.5 to 2.5	Pass
					4.43	-4.618	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-4.913	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-1.503	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-5.829	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-9.289	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-2.258	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-6.516	-0.0038	-2.5 to 2.5	Pass

				40	3.85	1.061	0.0006	-2.5 to 2.5	Pass
				50	3.85	-6.698	-0.0039	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1732.5	75	0	20	3.27	-2.922	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.482	-0.0003	-2.5 to 2.5	Pass
					4.43	0.532	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-3.835	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-0.080	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-1.213	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-3.502	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-0.036	0.0000	-2.5 to 2.5	Pass
				40	3.85	1.621	0.0009	-2.5 to 2.5	Pass
				50	3.85	3.828	0.0022	-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	1732.5	100	0	20	3.27	-8.463	-0.0049	-2.5 to 2.5	Pass
					3.85	-4.385	-0.0025	-2.5 to 2.5	Pass
					4.43	-3.474	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	0.995	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.622	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.511	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.376	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.231	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.990	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.670	0.0015	-2.5 to 2.5	Pass
				50	3.85	1.001	0.0006	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 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	1.117	/	Pass
		1732.5	6	0	1.126	/	Pass
		1754.3	6	0	1.120	/	Pass
	16QAM	1710.7	6	0	1.113	/	Pass
		1732.5	6	0	1.117	/	Pass
		1754.3	6	0	1.116	/	Pass

	64QAM	1710.7	6	0	1.108	/	Pass
		1732.5	6	0	1.114	/	Pass
		1754.3	6	0	1.103	/	Pass
	256QAM	1710.7	6	0	1.117	/	Pass
		1732.5	6	0	1.111	/	Pass
		1754.3	6	0	1.118	/	Pass
3	QPSK	1711.5	15	0	2.743	/	Pass
		1732.5	15	0	2.736	/	Pass
		1753.5	15	0	2.752	/	Pass
	16QAM	1711.5	15	0	2.748	/	Pass
		1732.5	15	0	2.724	/	Pass
		1753.5	15	0	2.742	/	Pass
	64QAM	1711.5	15	0	2.748	/	Pass
		1732.5	15	0	2.730	/	Pass
		1753.5	15	0	2.734	/	Pass
	256QAM	1711.5	15	0	2.733	/	Pass
		1732.5	15	0	2.746	/	Pass
		1753.5	15	0	2.733	/	Pass
5	QPSK	1712.5	25	0	4.552	/	Pass
		1732.5	25	0	4.542	/	Pass
		1752.5	25	0	4.552	/	Pass
	16QAM	1712.5	25	0	4.543	/	Pass
		1732.5	25	0	4.546	/	Pass
		1752.5	25	0	4.526	/	Pass
	64QAM	1712.5	25	0	4.538	/	Pass
		1732.5	25	0	4.537	/	Pass
		1752.5	25	0	4.538	/	Pass
	256QAM	1712.5	25	0	4.566	/	Pass
		1732.5	25	0	4.535	/	Pass
		1752.5	25	0	4.541	/	Pass
10	QPSK	1715	50	0	9.066	/	Pass
		1732.5	50	0	9.060	/	Pass
		1750	50	0	9.061	/	Pass
	16QAM	1715	50	0	9.077	/	Pass
		1732.5	50	0	9.036	/	Pass
		1750	50	0	9.061	/	Pass
	64QAM	1715	50	0	9.054	/	Pass
		1732.5	50	0	9.055	/	Pass
		1750	50	0	9.036	/	Pass
	256QAM	1715	50	0	9.075	/	Pass
		1732.5	50	0	9.079	/	Pass
		1750	50	0	9.080	/	Pass
15	QPSK	1717.5	75	0	13.755	/	Pass
		1732.5	75	0	13.683	/	Pass
		1747.5	75	0	13.735	/	Pass
	16QAM	1717.5	75	0	13.739	/	Pass
		1732.5	75	0	13.684	/	Pass
		1747.5	75	0	13.731	/	Pass
	64QAM	1717.5	75	0	13.762	/	Pass
		1732.5	75	0	13.668	/	Pass
		1747.5	75	0	13.688	/	Pass
	256QAM	1717.5	75	0	13.663	/	Pass
		1732.5	75	0	13.597	/	Pass
		1747.5	75	0	13.690	/	Pass
20	QPSK	1720	100	0	18.284	/	Pass
		1732.5	100	0	18.220	/	Pass
		1745	100	0	18.286	/	Pass
	16QAM	1720	100	0	18.200	/	Pass

	64QAM	1732.5	100	0	18.199	/	Pass
		1745	100	0	18.274	/	Pass
		1720	100	0	18.194	/	Pass
		1732.5	100	0	18.221	/	Pass
	256QAM	1745	100	0	18.255	/	Pass
		1720	100	0	18.110	/	Pass
		1732.5	100	0	18.110	/	Pass
		1745	100	0	18.141	/	Pass

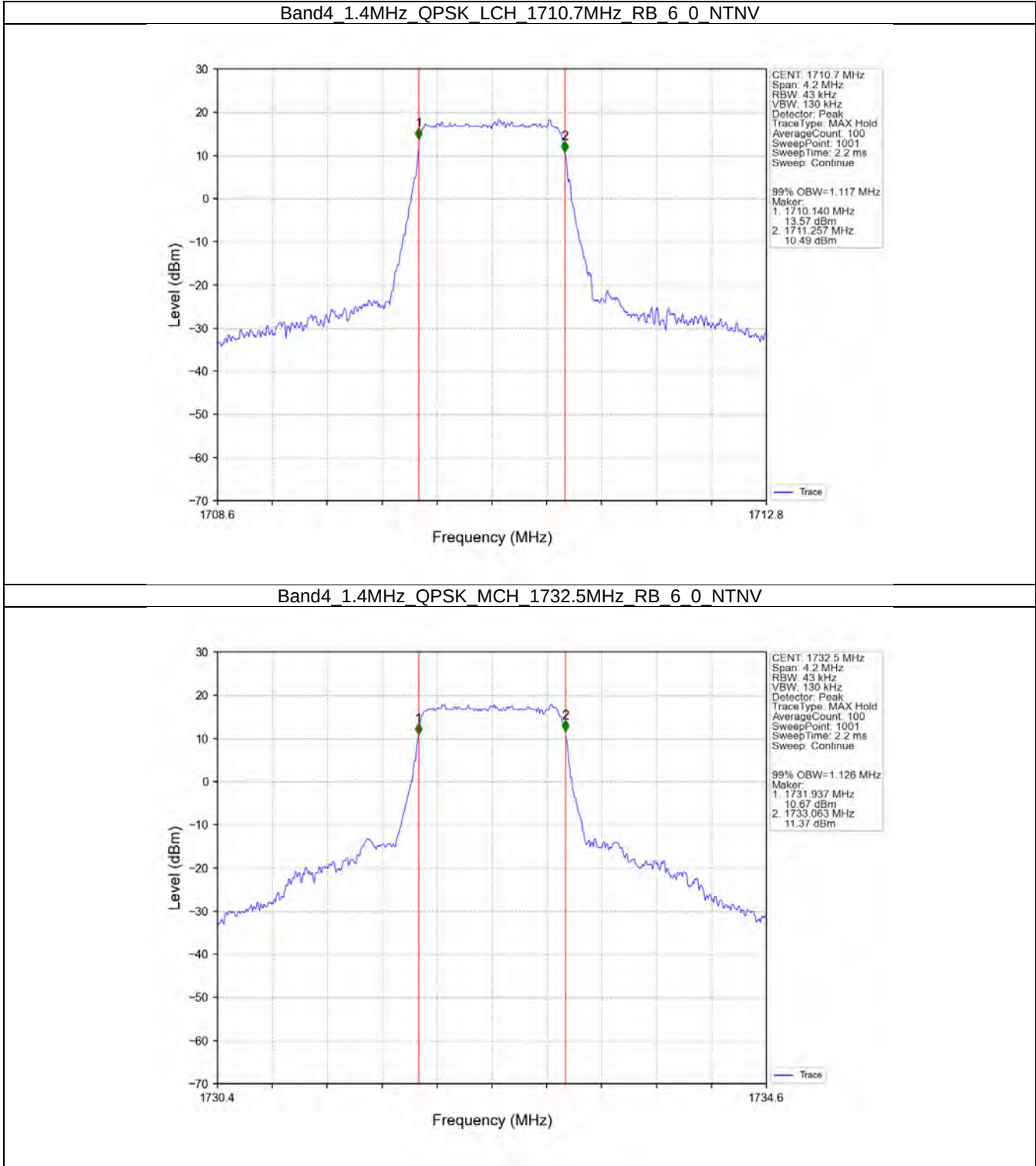
3.1.2 Band4_XDB

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.322	/	Pass
		1732.5	6	0	1.359	/	Pass
		1754.3	6	0	1.331	/	Pass
	16QAM	1710.7	6	0	1.332	/	Pass
		1732.5	6	0	1.366	/	Pass
		1754.3	6	0	1.344	/	Pass
	64QAM	1710.7	6	0	1.310	/	Pass
		1732.5	6	0	1.324	/	Pass
		1754.3	6	0	1.301	/	Pass
	256QAM	1710.7	6	0	1.325	/	Pass
		1732.5	6	0	1.333	/	Pass
		1754.3	6	0	1.334	/	Pass
3	QPSK	1711.5	15	0	3.020	/	Pass
		1732.5	15	0	3.014	/	Pass
		1753.5	15	0	3.045	/	Pass
	16QAM	1711.5	15	0	3.016	/	Pass
		1732.5	15	0	3.004	/	Pass
		1753.5	15	0	3.034	/	Pass
	64QAM	1711.5	15	0	3.020	/	Pass
		1732.5	15	0	3.014	/	Pass
		1753.5	15	0	3.012	/	Pass
	256QAM	1711.5	15	0	3.016	/	Pass
		1732.5	15	0	3.001	/	Pass
		1753.5	15	0	3.028	/	Pass
5	QPSK	1712.5	25	0	5.042	/	Pass
		1732.5	25	0	5.062	/	Pass
		1752.5	25	0	5.064	/	Pass
	16QAM	1712.5	25	0	5.067	/	Pass
		1732.5	25	0	5.068	/	Pass
		1752.5	25	0	5.047	/	Pass
	64QAM	1712.5	25	0	5.051	/	Pass
		1732.5	25	0	5.037	/	Pass
		1752.5	25	0	5.072	/	Pass
	256QAM	1712.5	25	0	5.045	/	Pass
		1732.5	25	0	5.044	/	Pass
		1752.5	25	0	5.012	/	Pass
10	QPSK	1715	50	0	9.946	/	Pass
		1732.5	50	0	9.985	/	Pass
		1750	50	0	9.966	/	Pass
	16QAM	1715	50	0	9.905	/	Pass
		1732.5	50	0	10.032	/	Pass
		1750	50	0	10.042	/	Pass

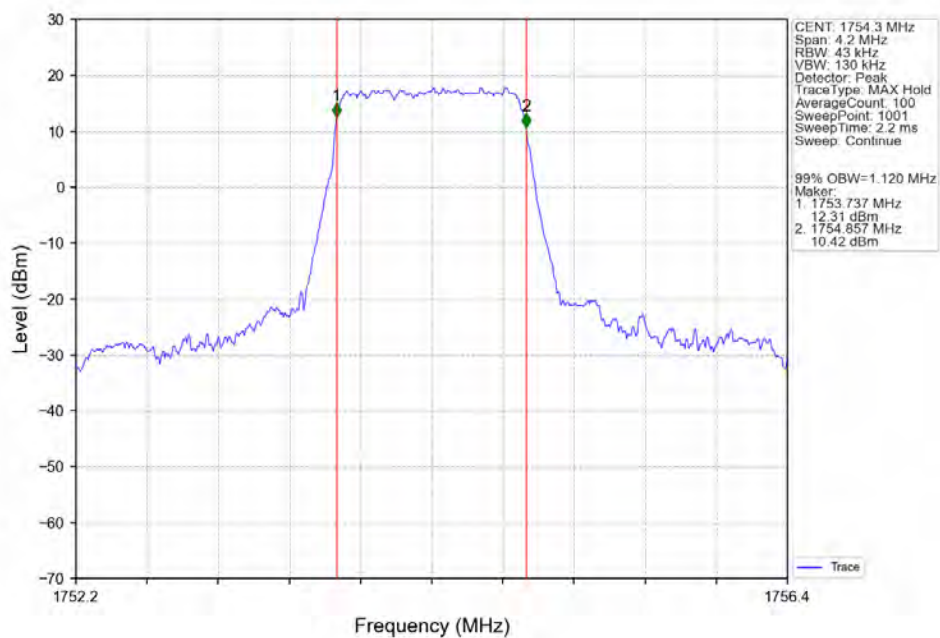
	64QAM	1715	50	0	9.992	/	Pass
		1732.5	50	0	10.037	/	Pass
		1750	50	0	9.920	/	Pass
	256QAM	1715	50	0	9.897	/	Pass
		1732.5	50	0	10.023	/	Pass
		1750	50	0	10.276	/	Pass
15	QPSK	1717.5	75	0	18.189	/	Pass
		1732.5	75	0	17.115	/	Pass
		1747.5	75	0	18.298	/	Pass
	16QAM	1717.5	75	0	18.178	/	Pass
		1732.5	75	0	17.188	/	Pass
		1747.5	75	0	18.063	/	Pass
	64QAM	1717.5	75	0	17.755	/	Pass
		1732.5	75	0	17.061	/	Pass
		1747.5	75	0	17.095	/	Pass
	256QAM	1717.5	75	0	15.006	/	Pass
		1732.5	75	0	15.281	/	Pass
		1747.5	75	0	15.129	/	Pass
20	QPSK	1720	100	0	22.713	/	Pass
		1732.5	100	0	20.643	/	Pass
		1745	100	0	22.342	/	Pass
	16QAM	1720	100	0	21.659	/	Pass
		1732.5	100	0	20.658	/	Pass
		1745	100	0	21.742	/	Pass
	64QAM	1720	100	0	20.637	/	Pass
		1732.5	100	0	20.689	/	Pass
		1745	100	0	21.203	/	Pass
	256QAM	1720	100	0	19.774	/	Pass
		1732.5	100	0	19.878	/	Pass
		1745	100	0	19.768	/	Pass

3.2 Test Graph

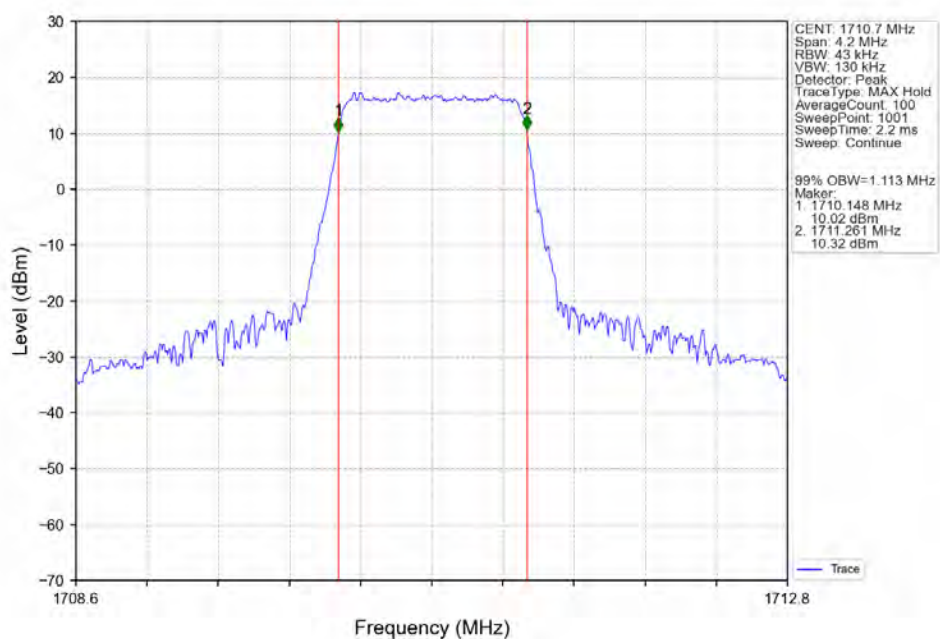
3.2.1 Band4_OBW



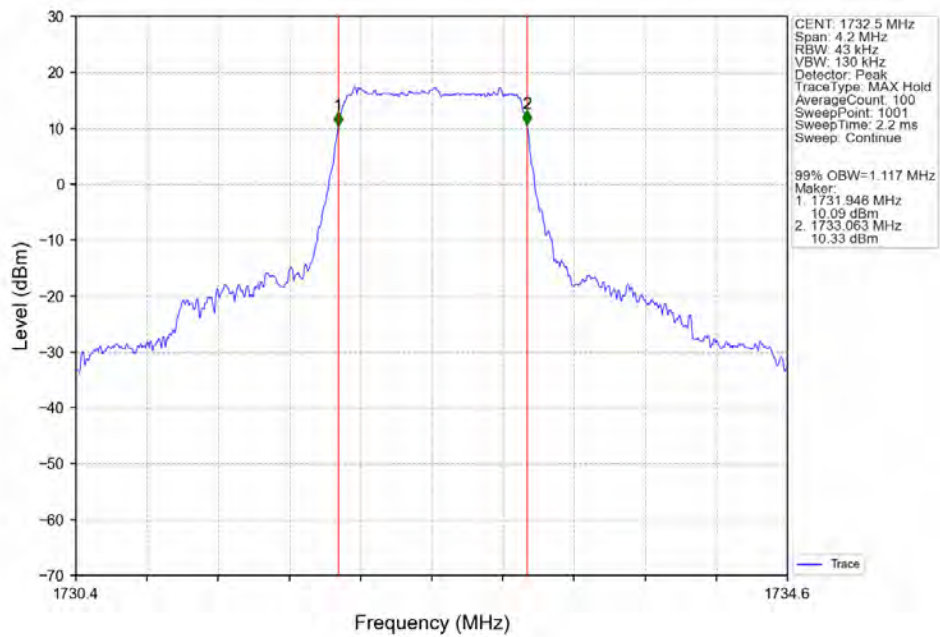
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



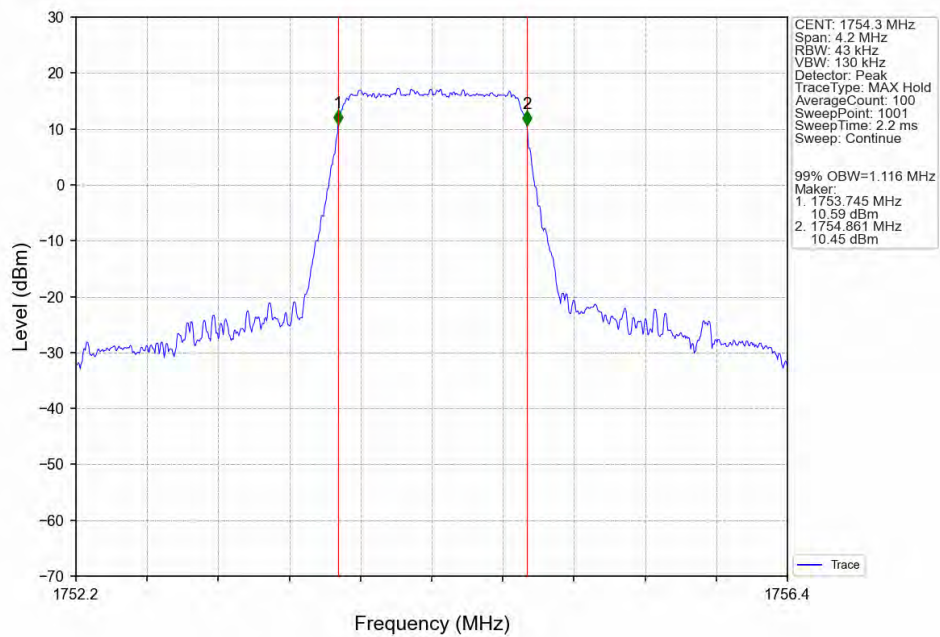
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



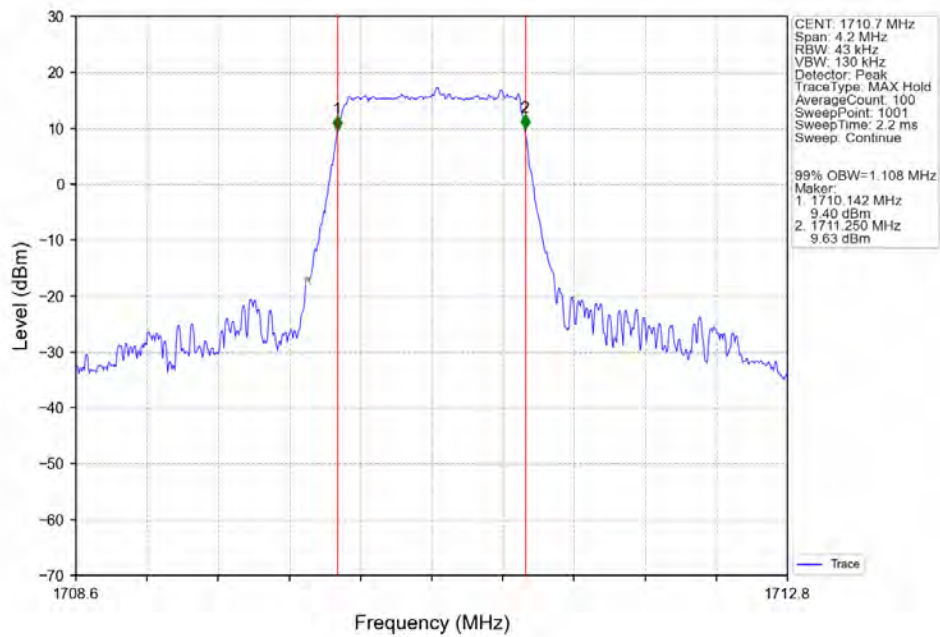
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



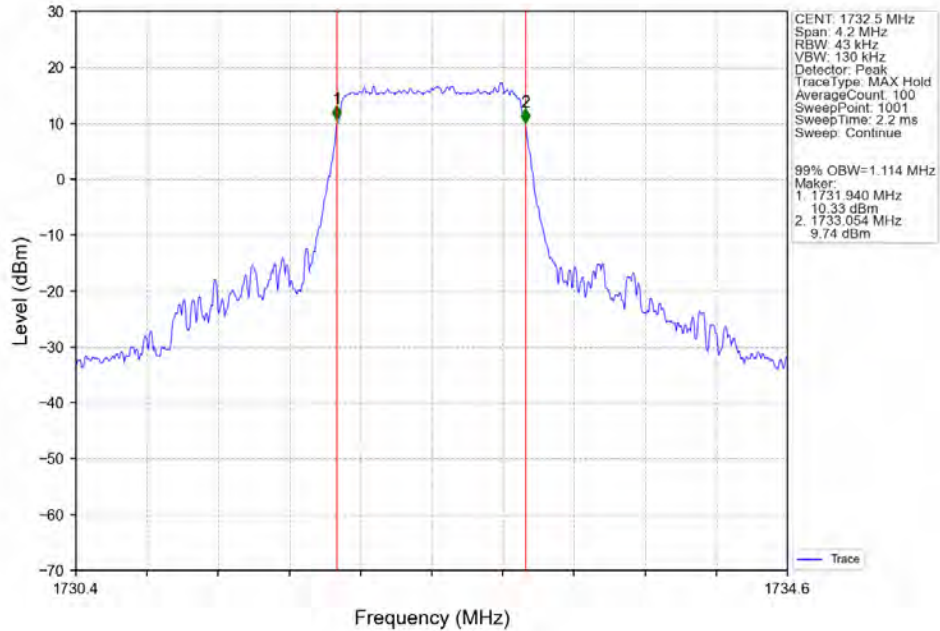
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



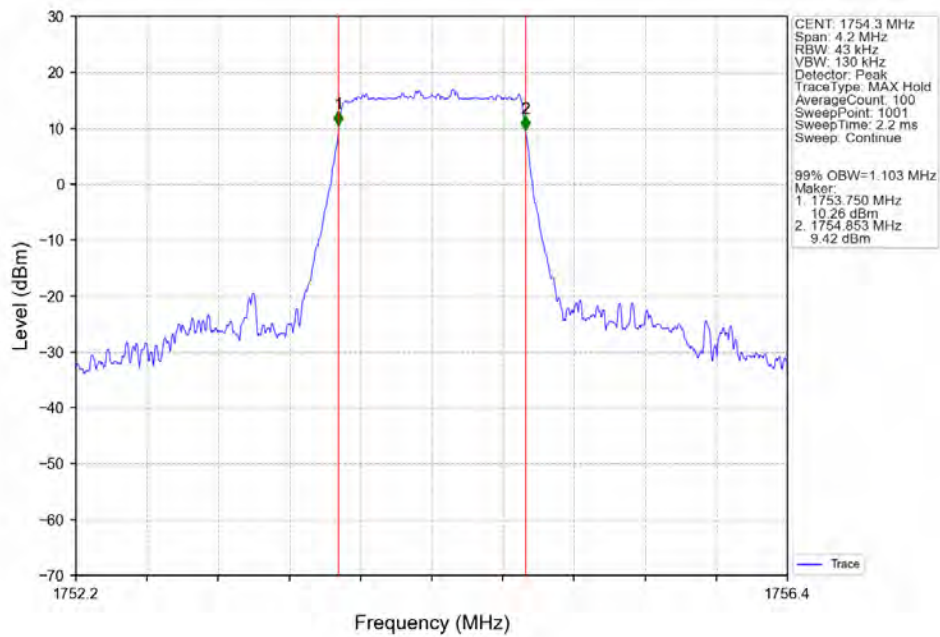
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



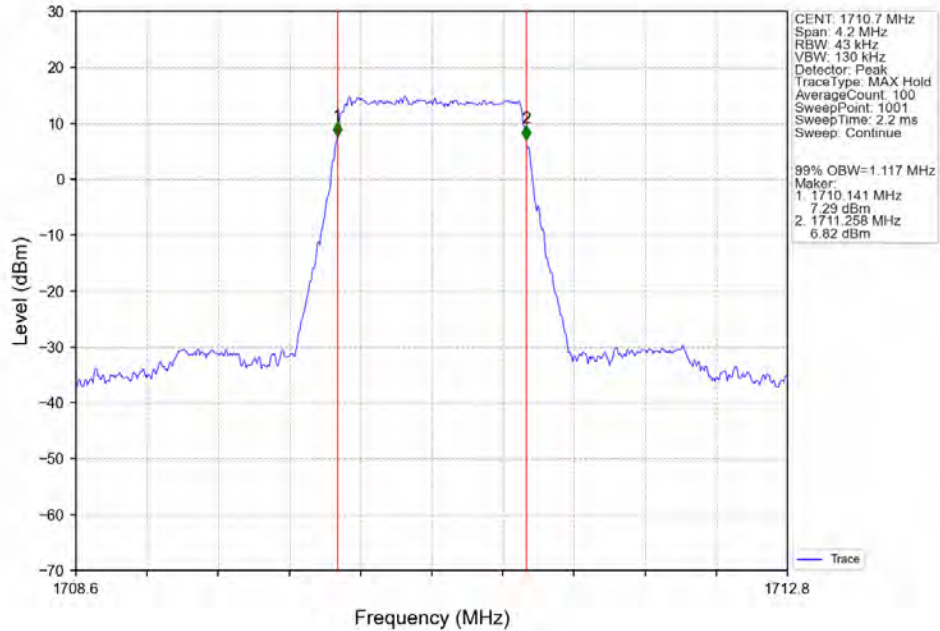
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



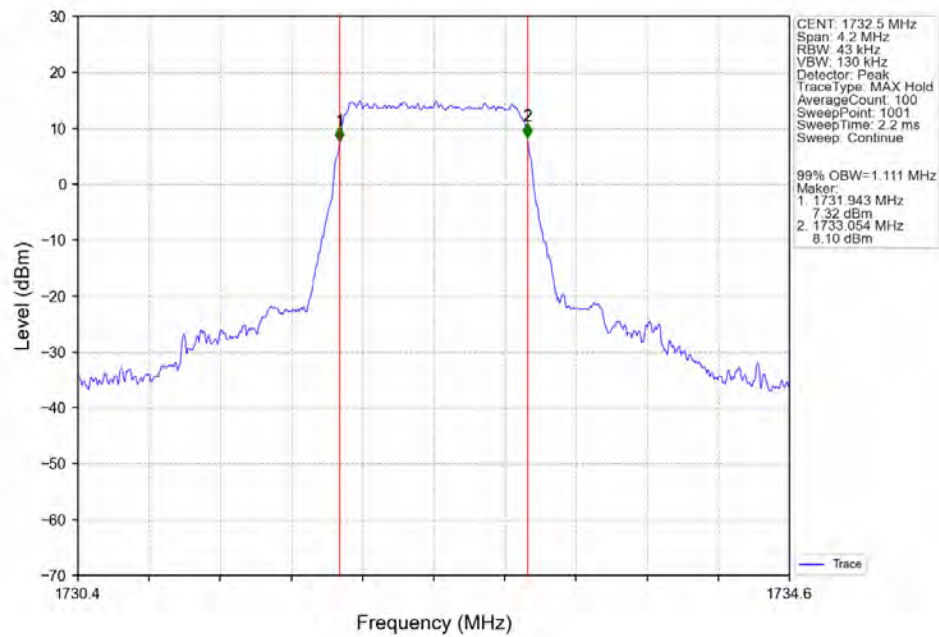
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



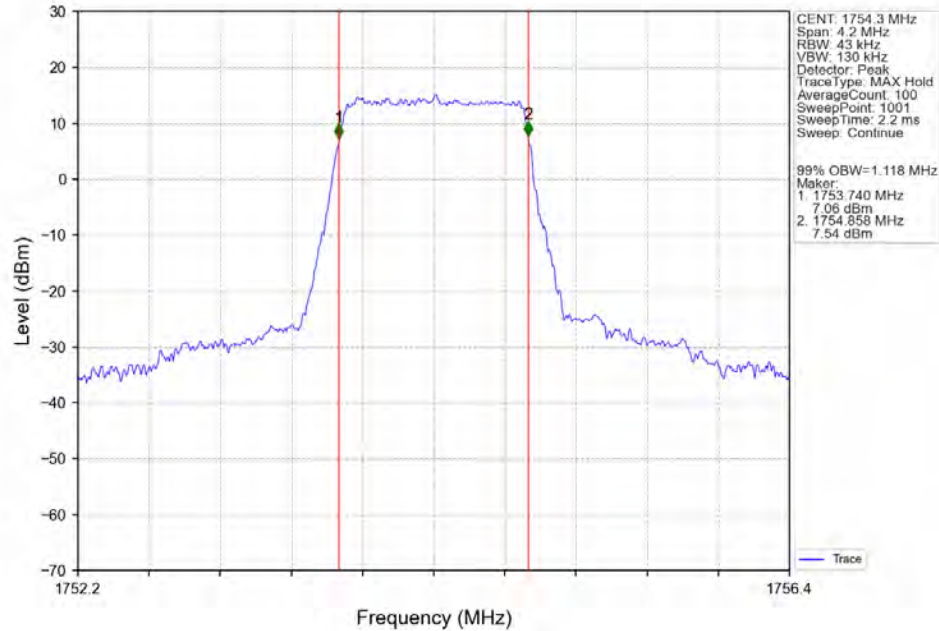
Band4_1.4MHz_256QAM_LCH_1710.7MHz_RB_6_0_NTNV



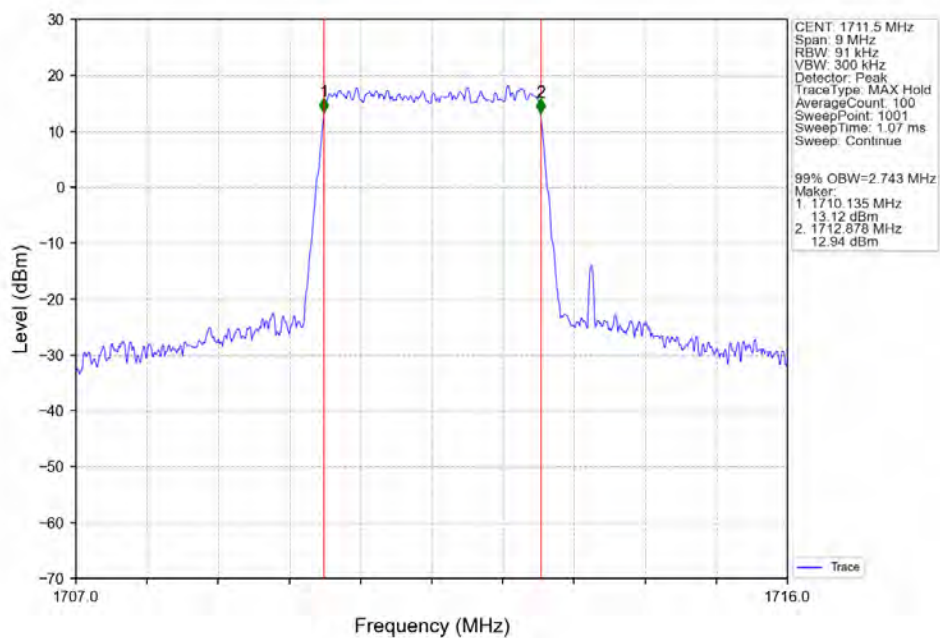
Band4_1.4MHz_256QAM_MCH_1732.5MHz_RB_6_0_NTNV



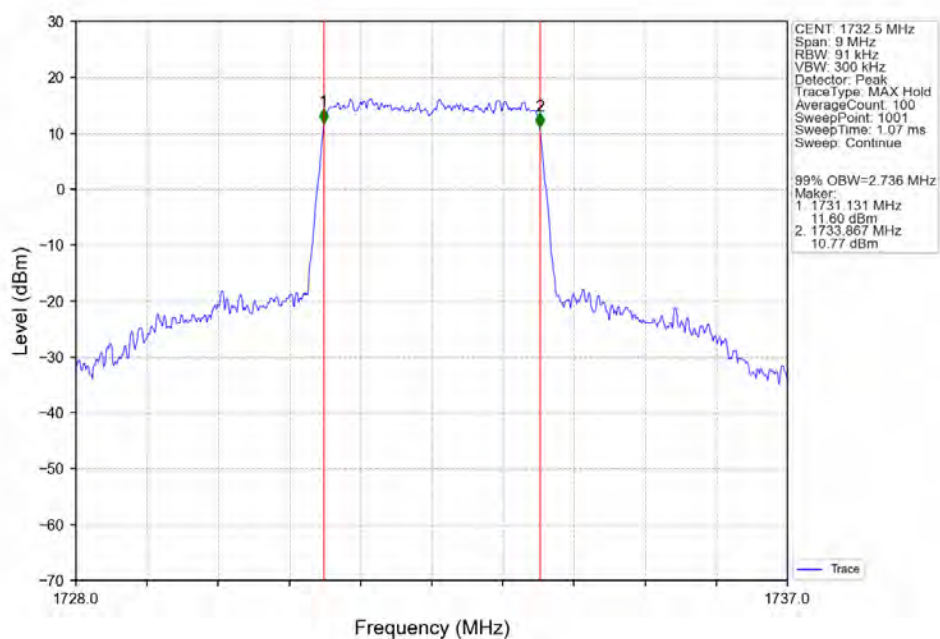
Band4_1.4MHz_256QAM_HCH_1754.3MHz_RB_6_0_NTNV



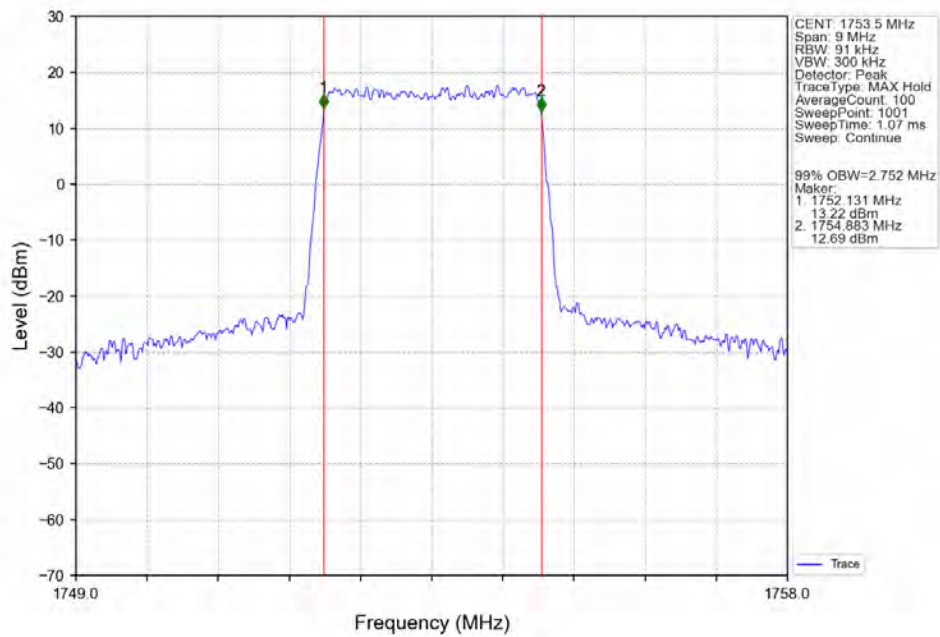
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



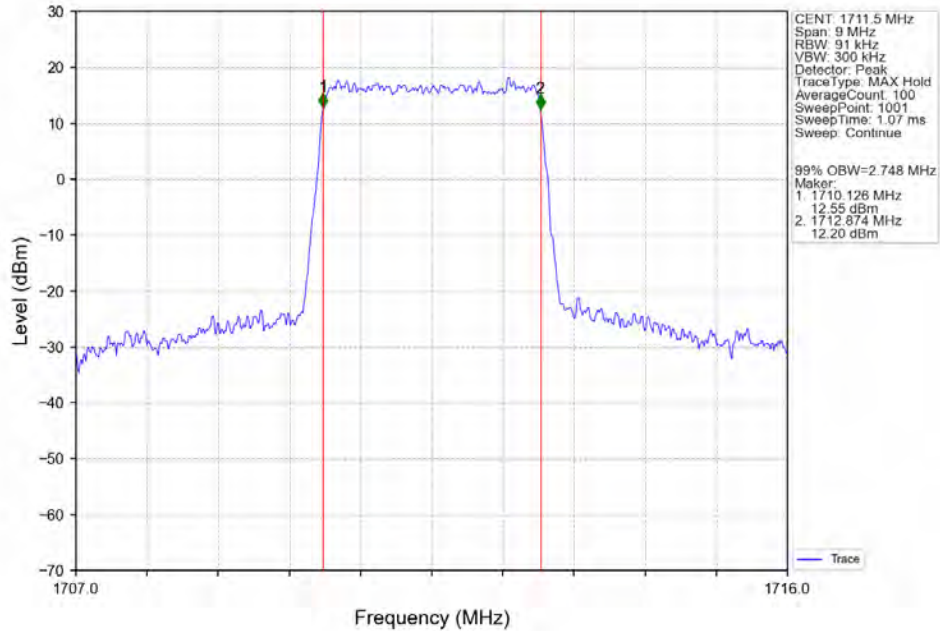
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



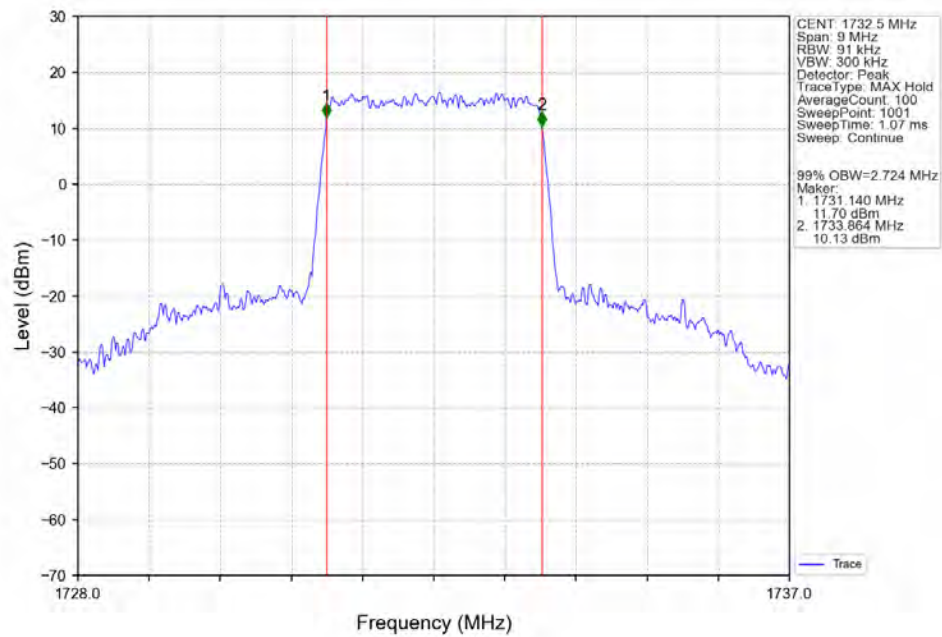
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



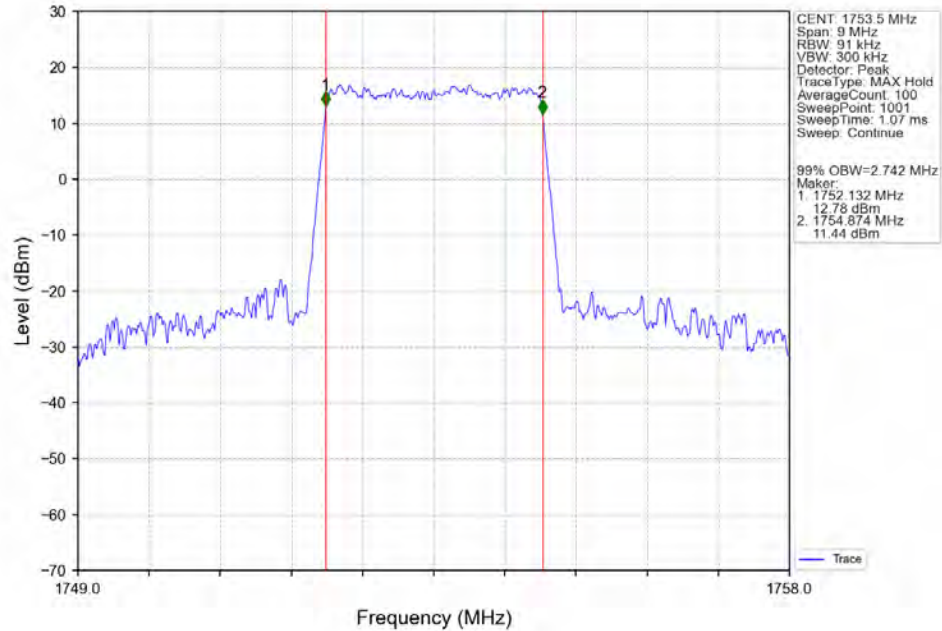
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



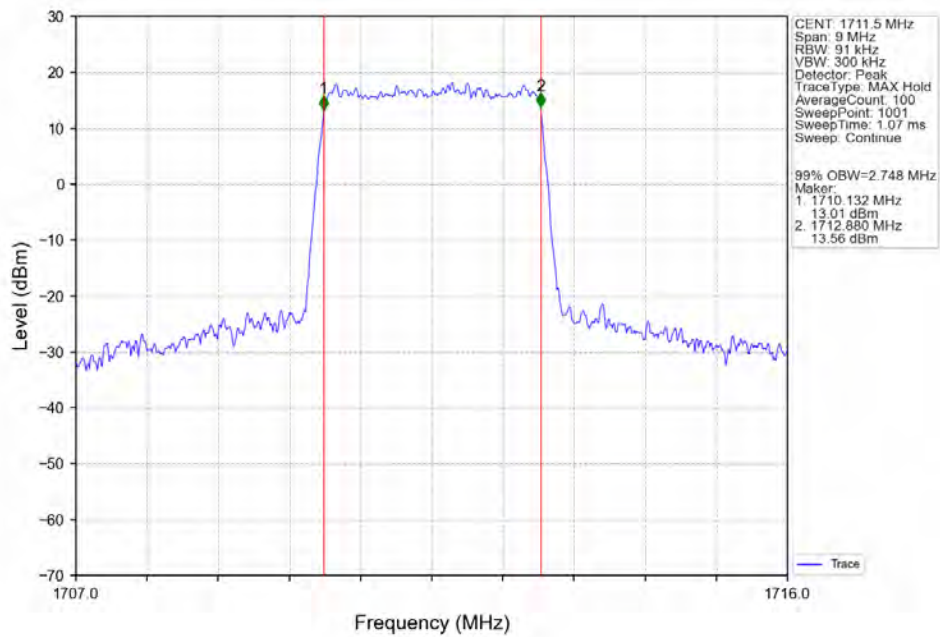
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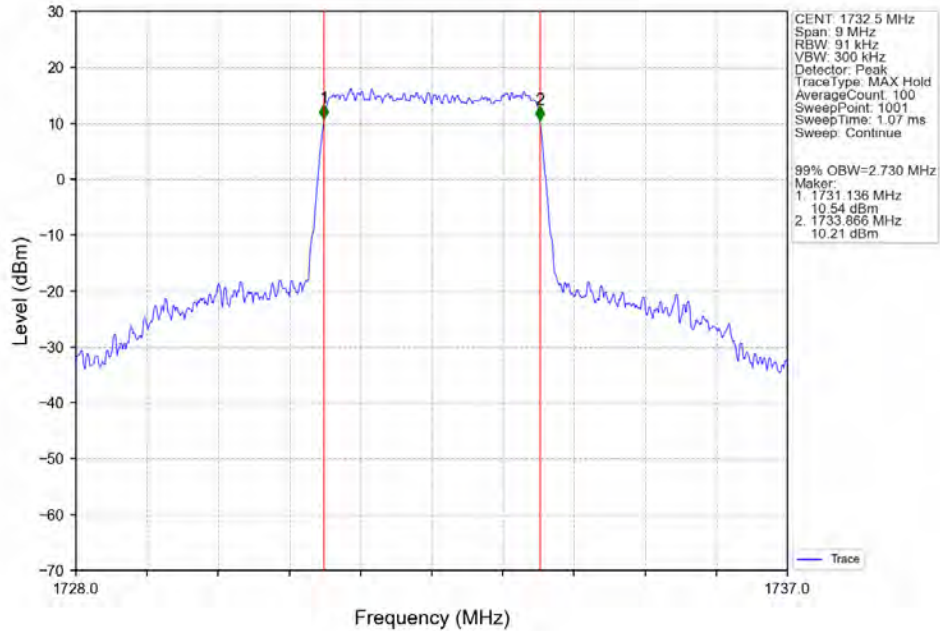
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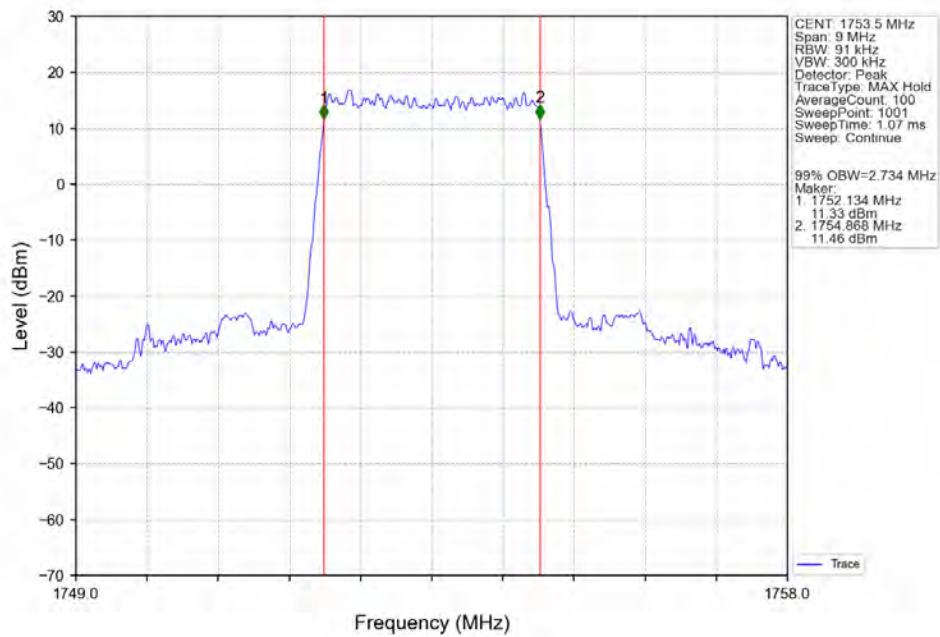
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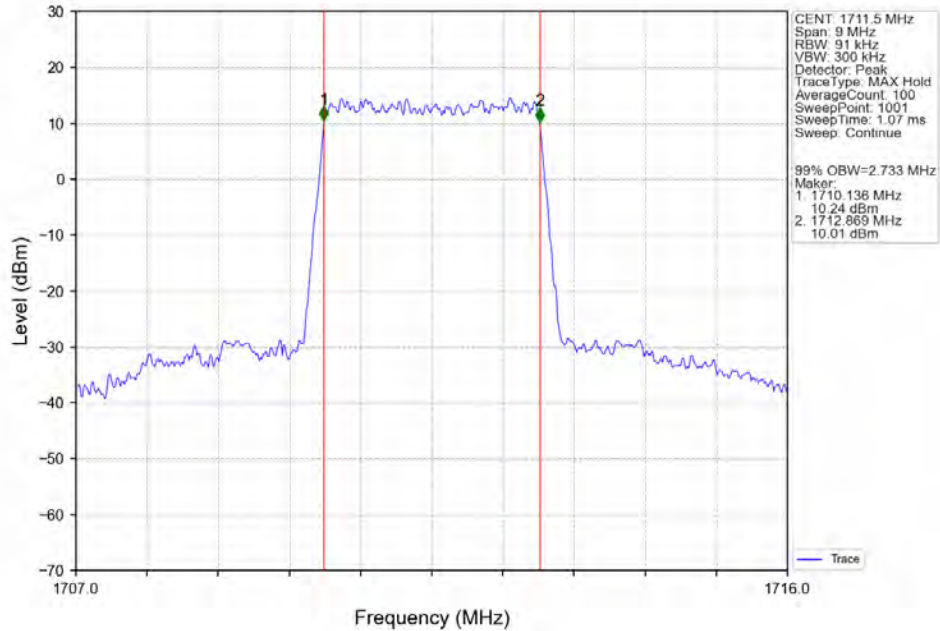
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



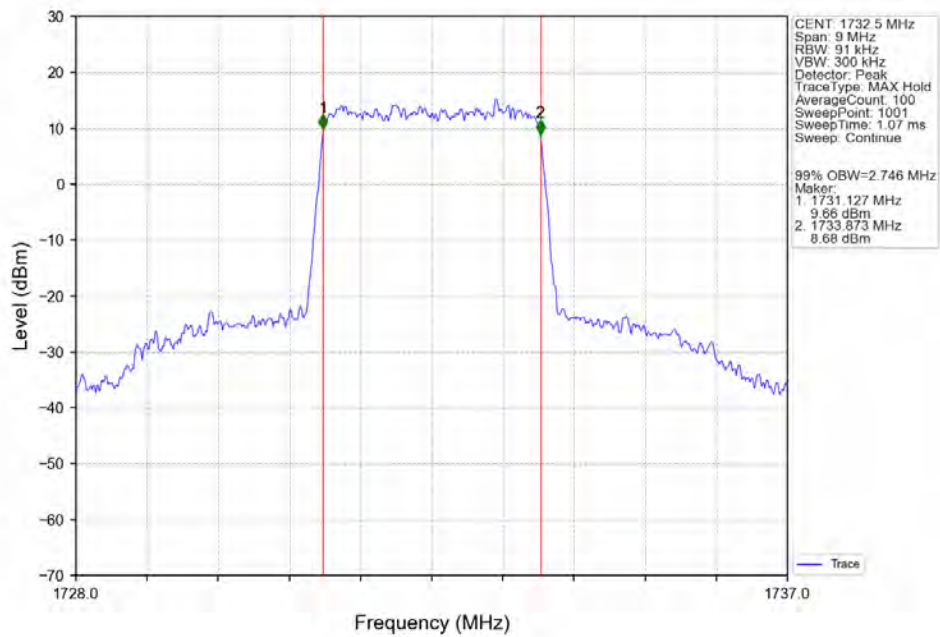
Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



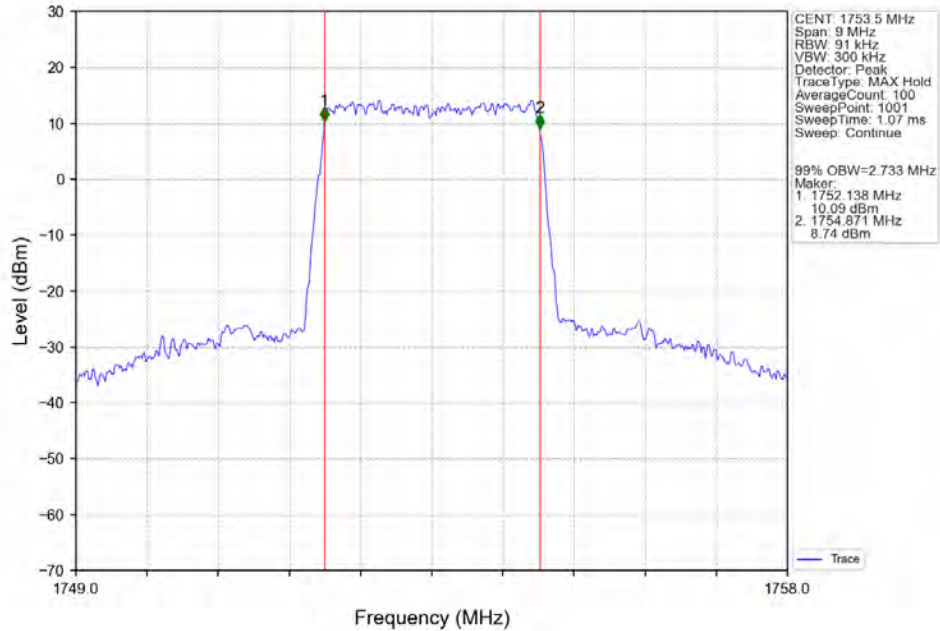
Band4_3MHz_256QAM_LCH_1711.5MHz_RB_15_0_NTNV



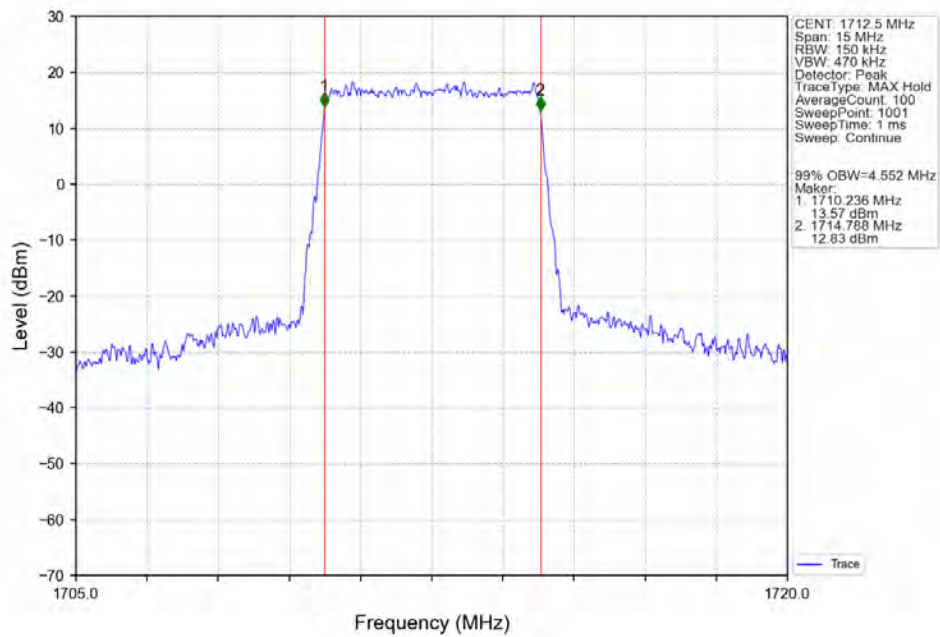
Band4 3MHz 256QAM MCH 1732.5MHz RB 15 0 NTNV



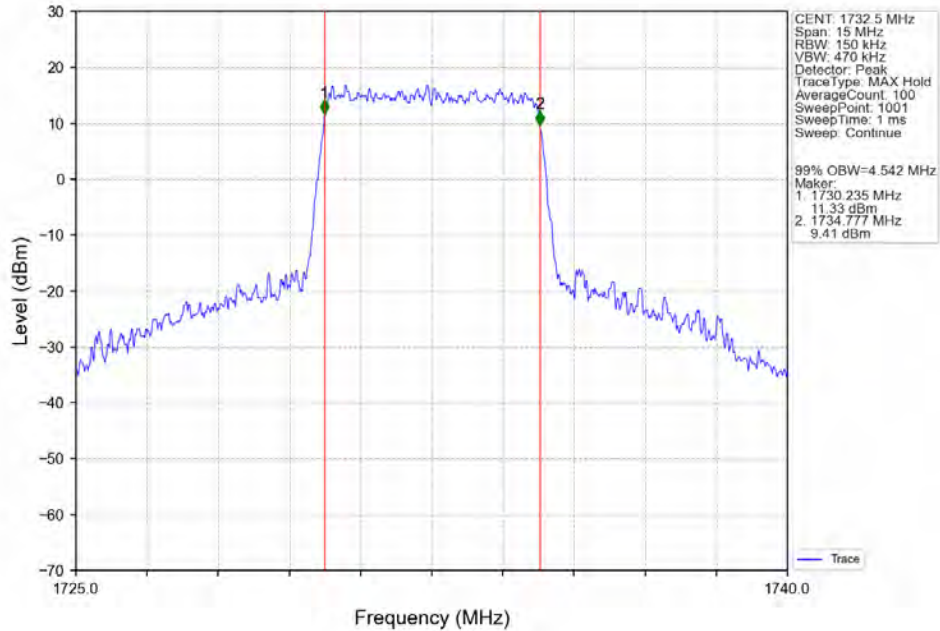
Band4 3MHz 256QAM HCH 1753.5MHz RB 15 0 NTNV



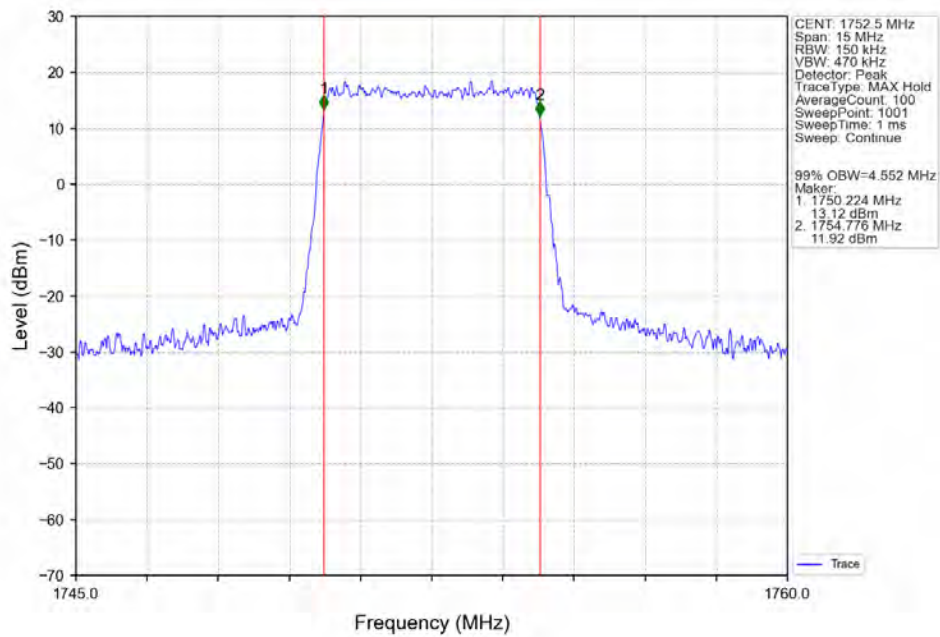
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



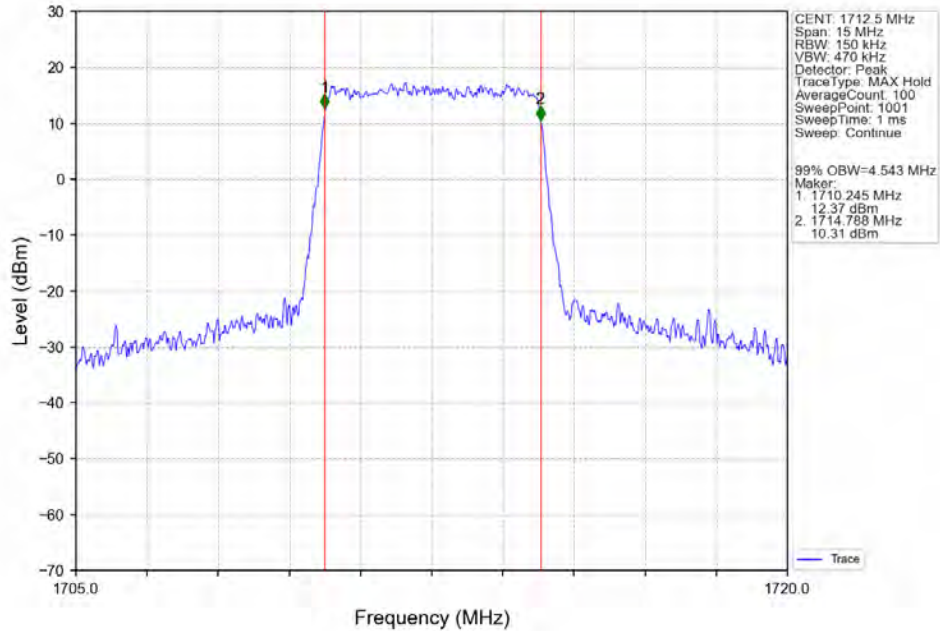
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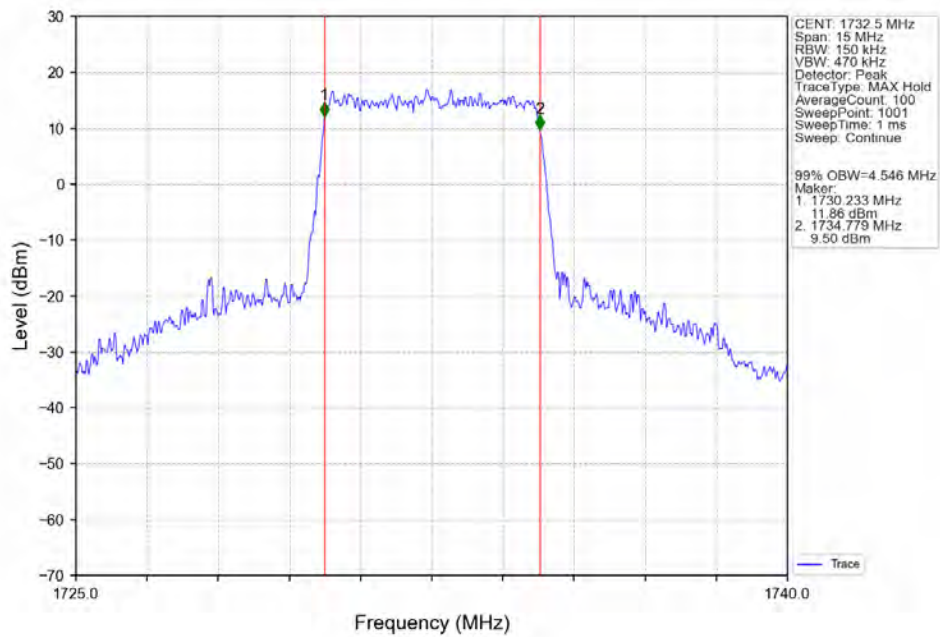
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



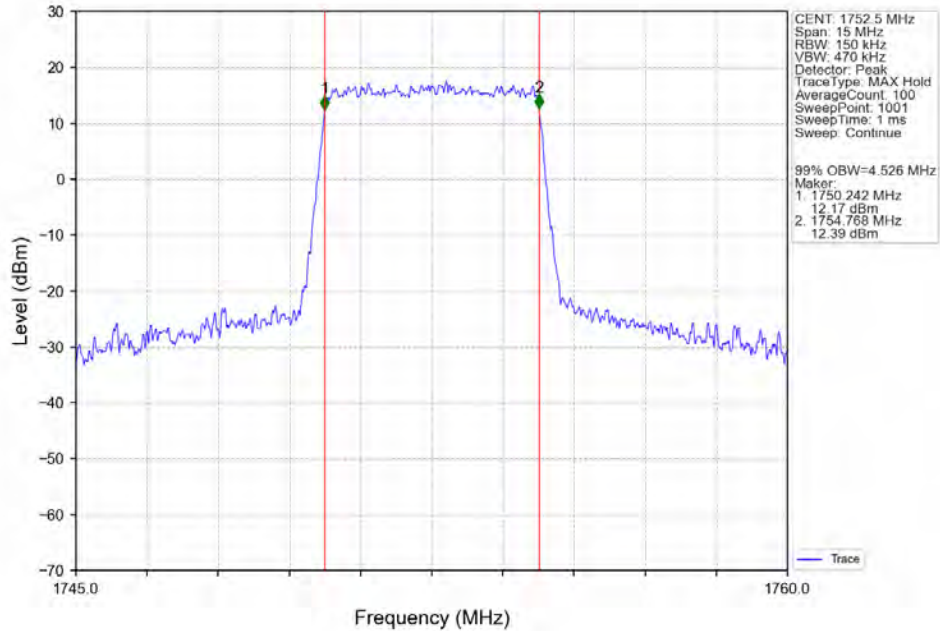
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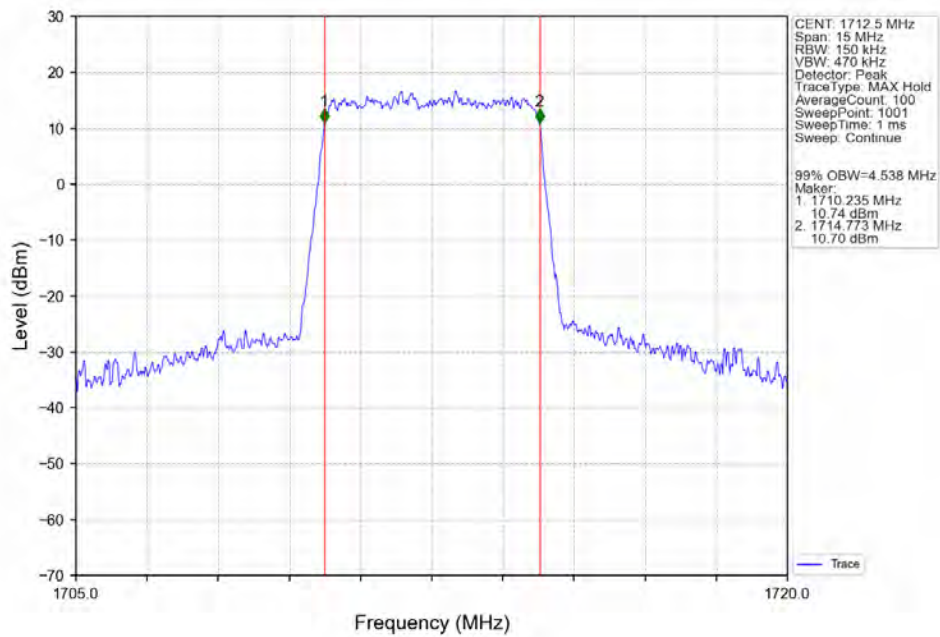
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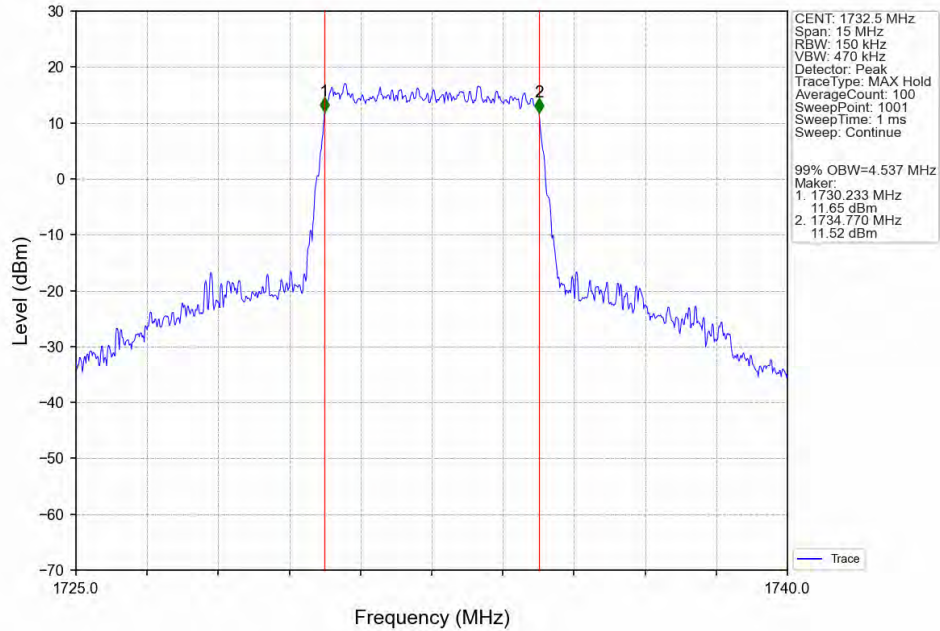
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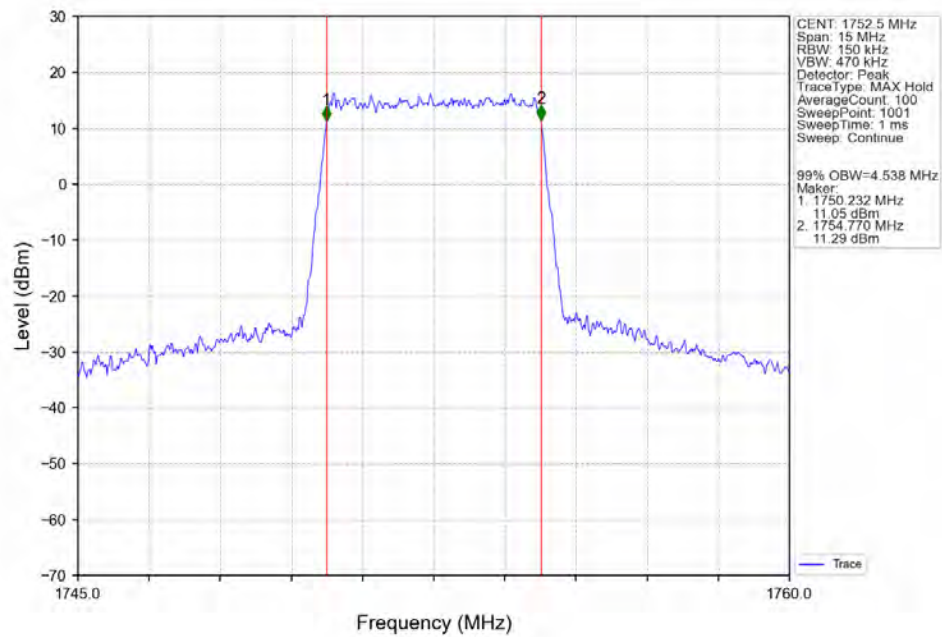
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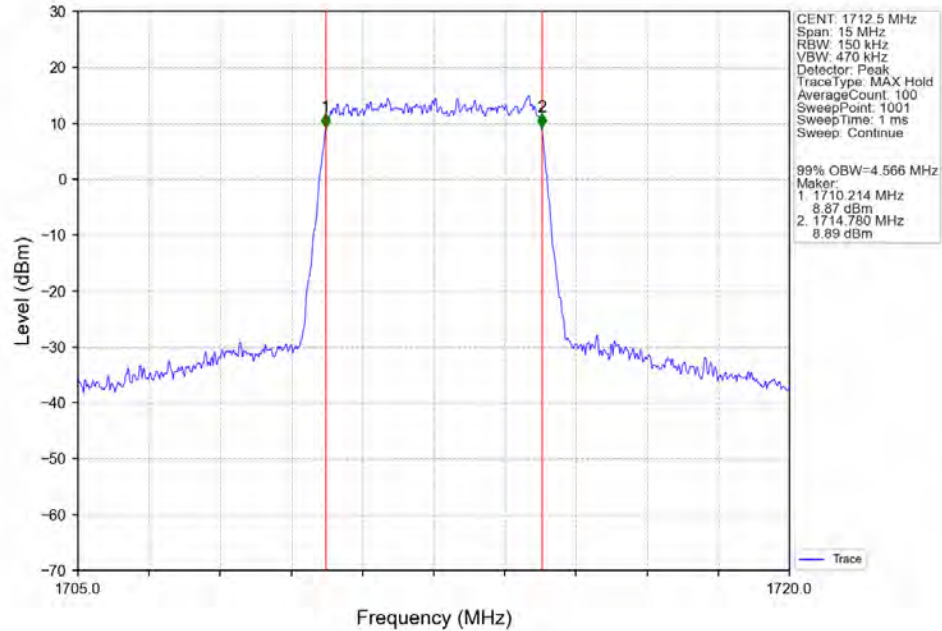
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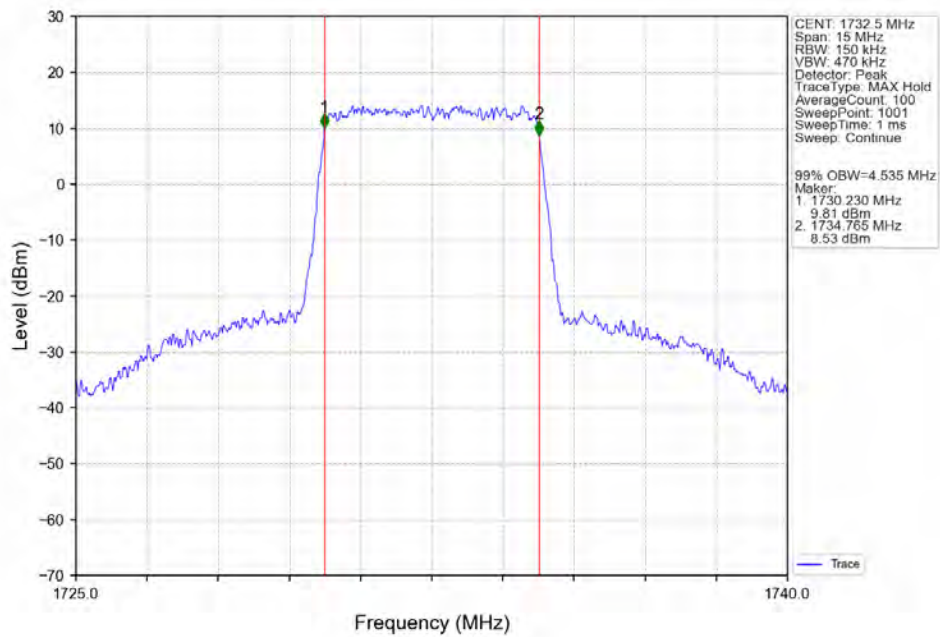
Band4 5MHz 64QAM HCH 1752.5MHz RB 25 0 NTNV



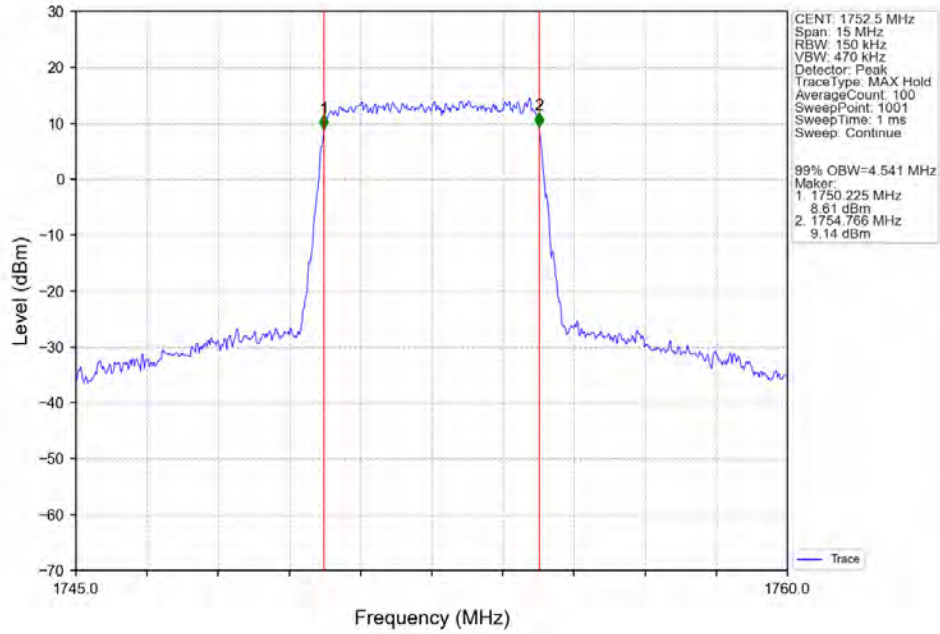
Band4 5MHz 256QAM LCH 1712.5MHz RB 25 0 NTNV



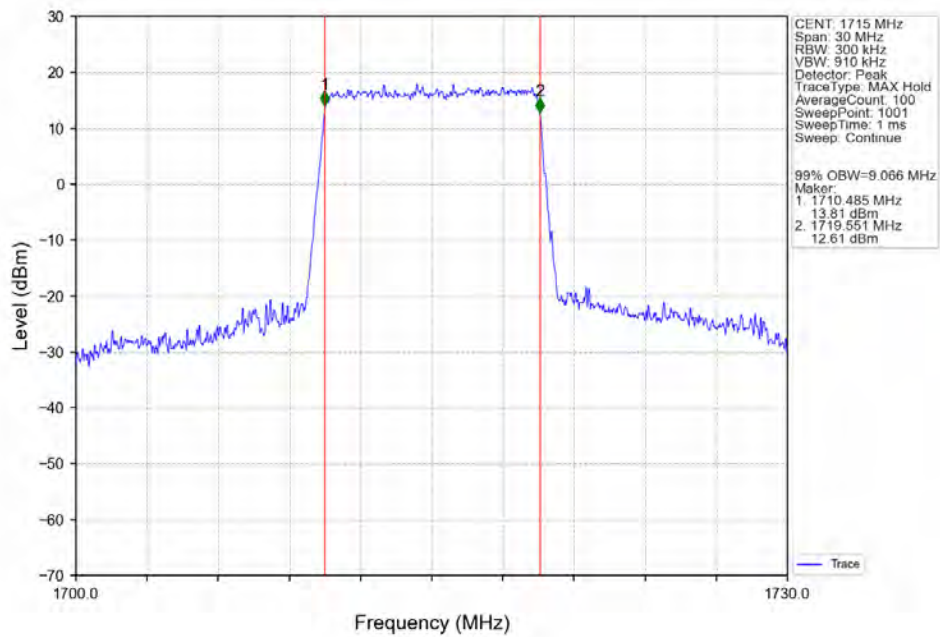
Band4 5MHz 256QAM MCH 1732.5MHz RB 25_0 NTN



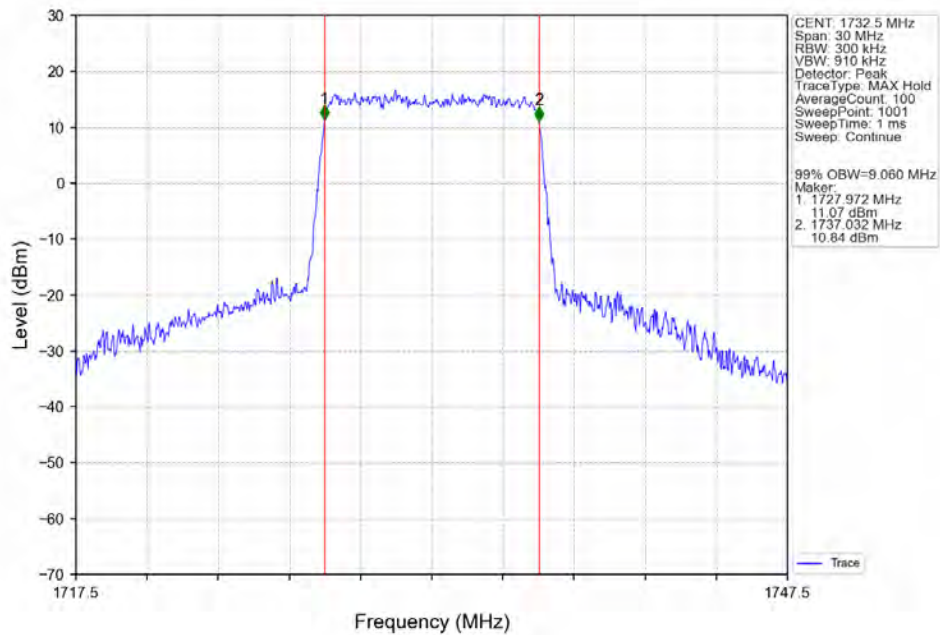
Band4 5MHz 256QAM HCH 1752.5MHz RB 25_0 NTN



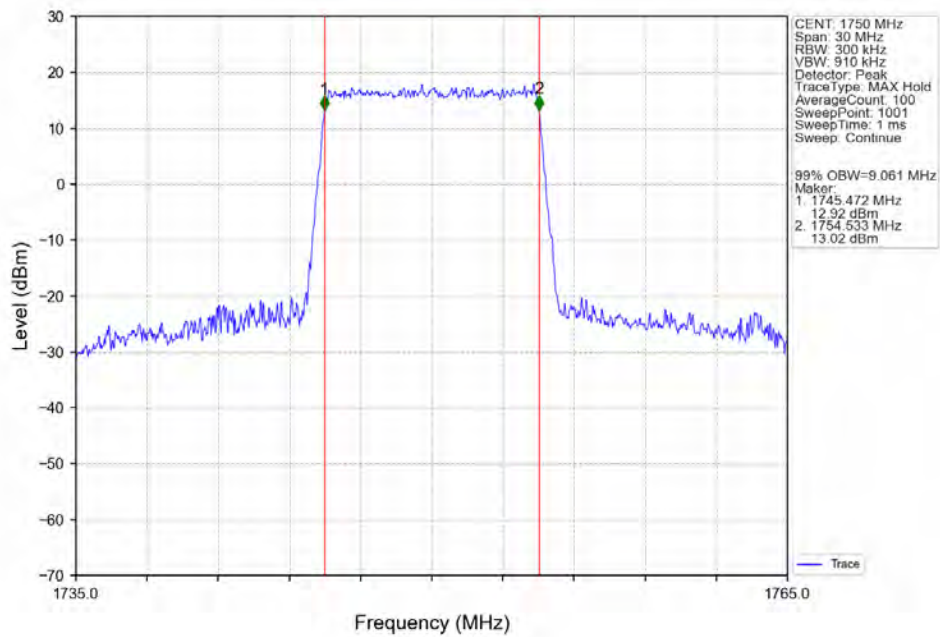
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



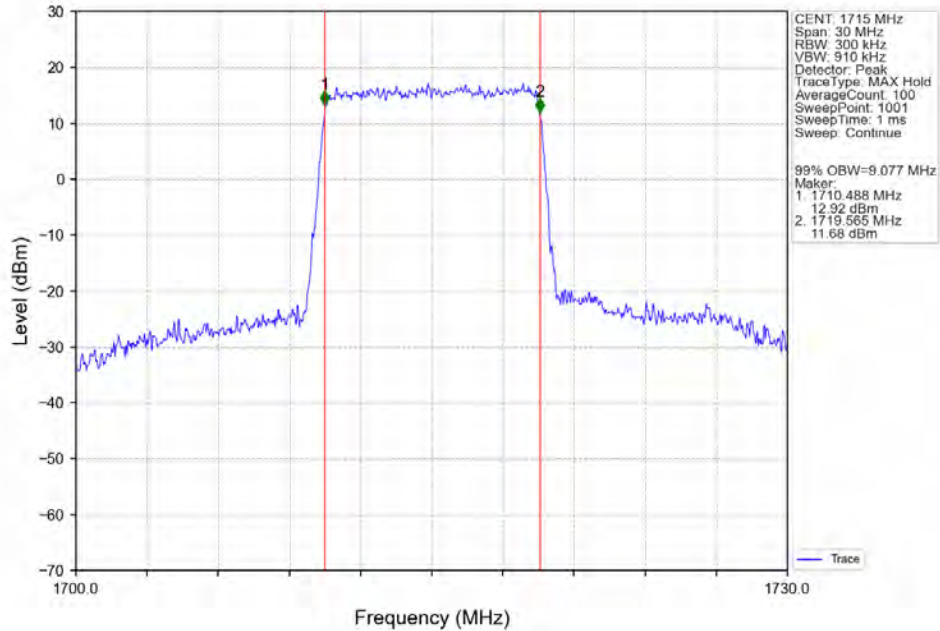
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



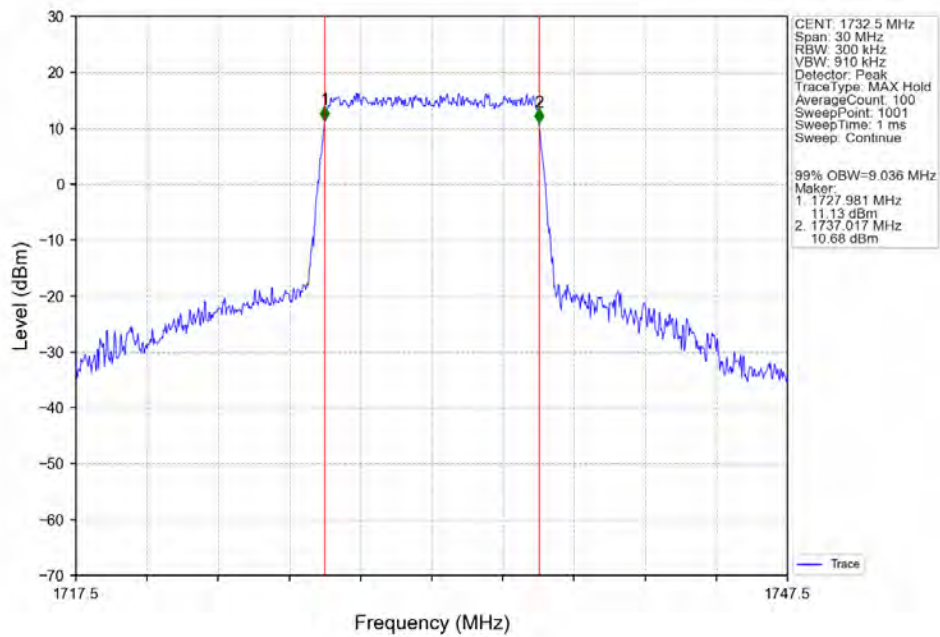
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



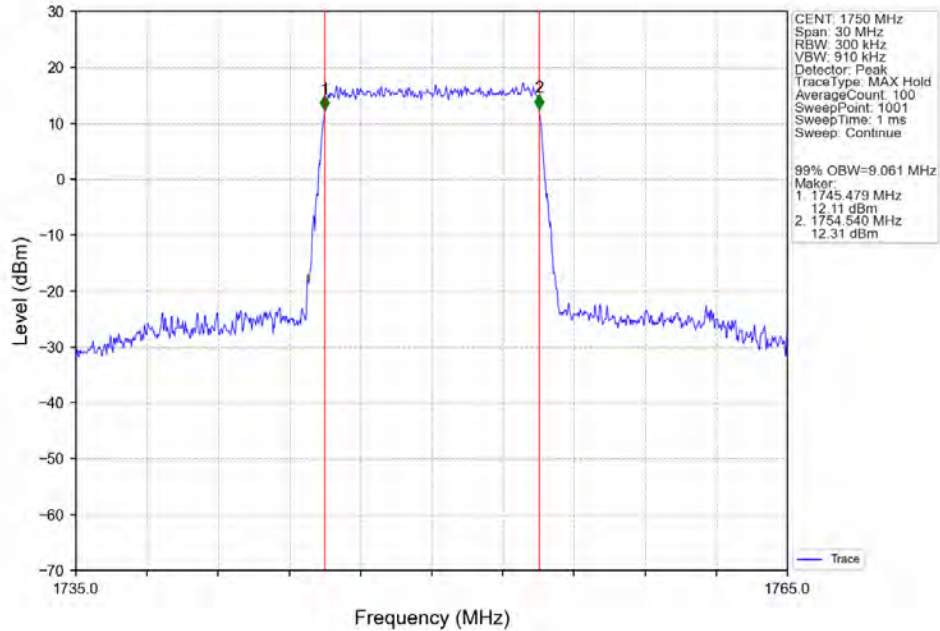
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



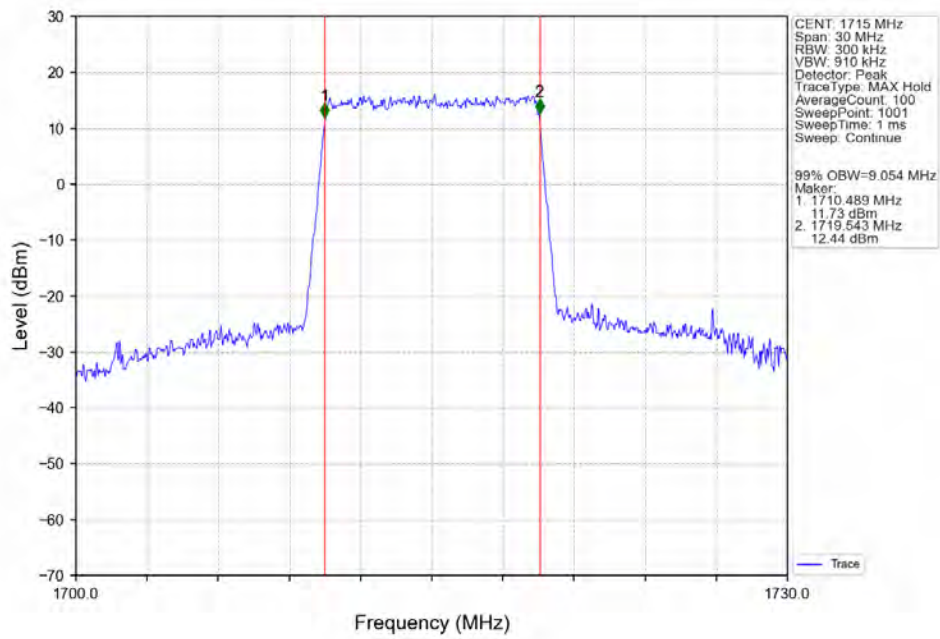
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



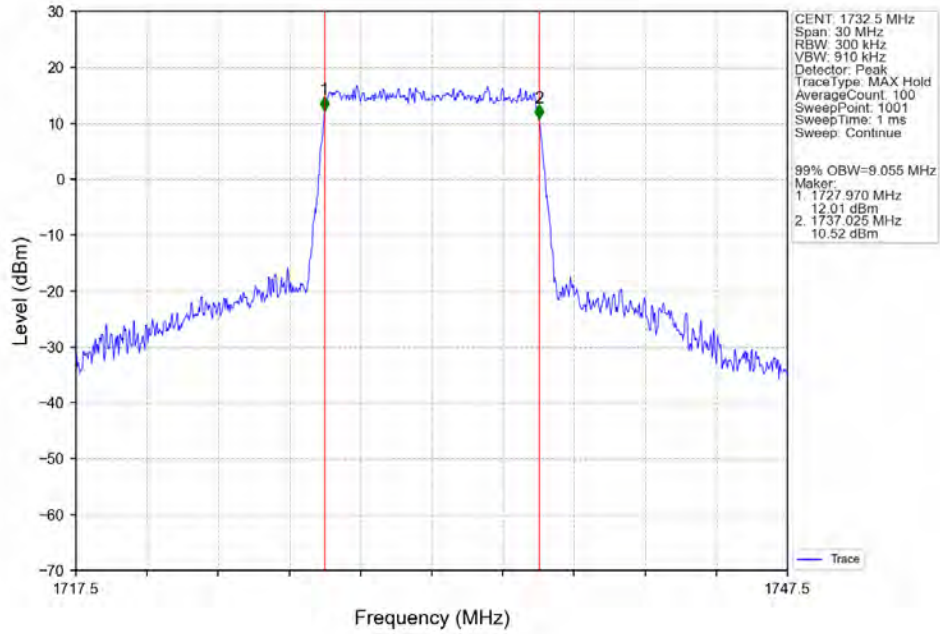
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



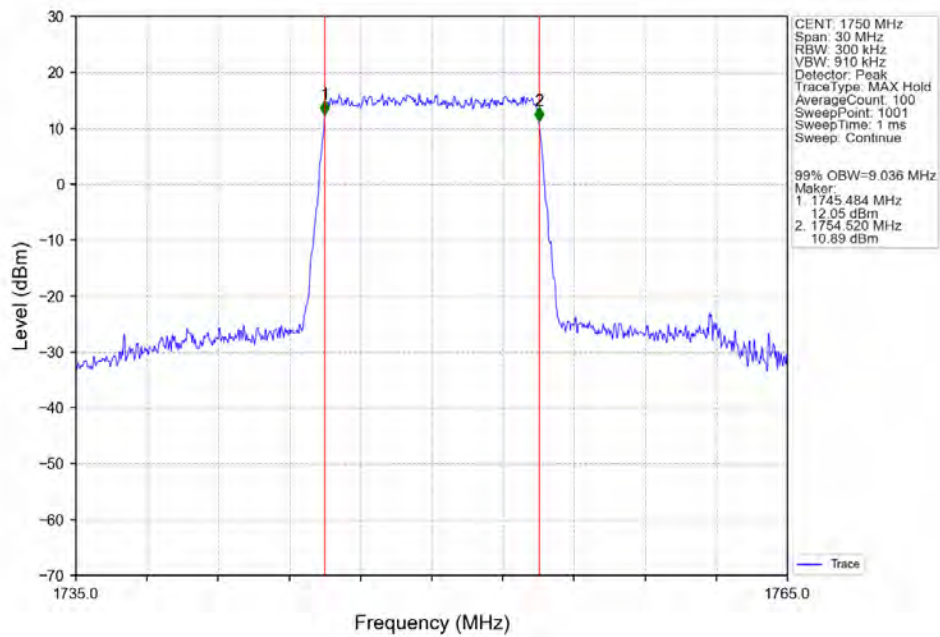
Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



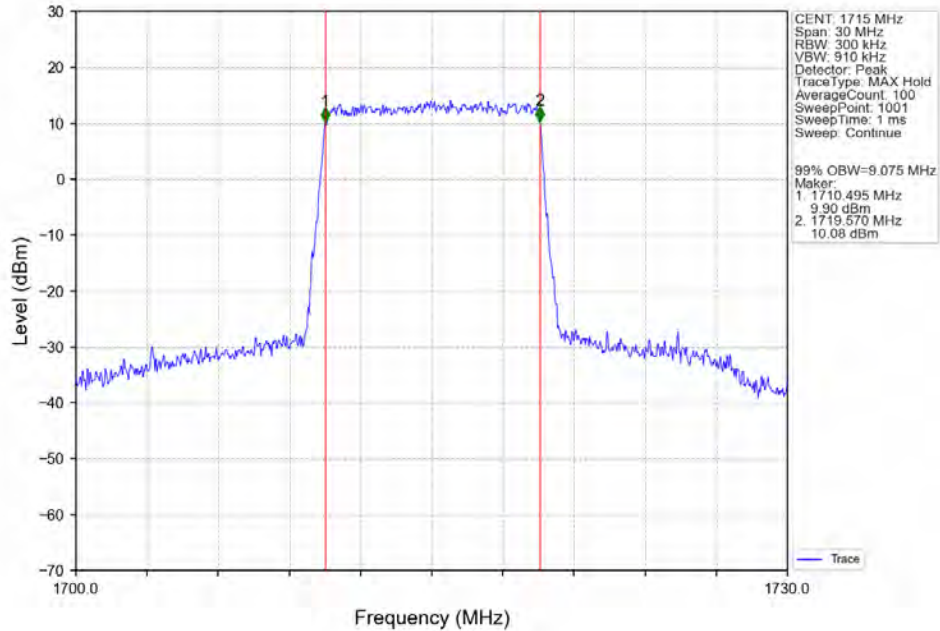
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



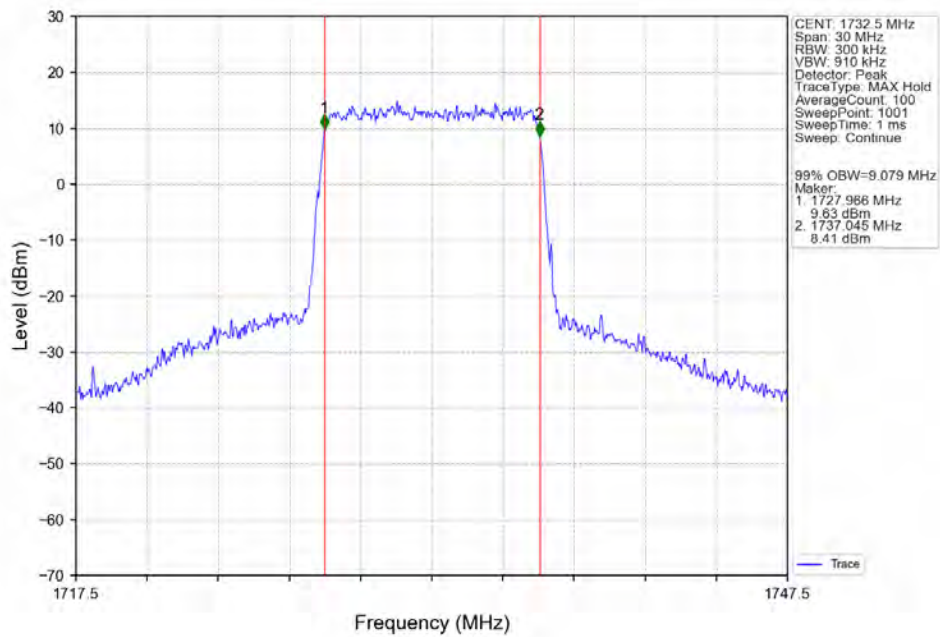
Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



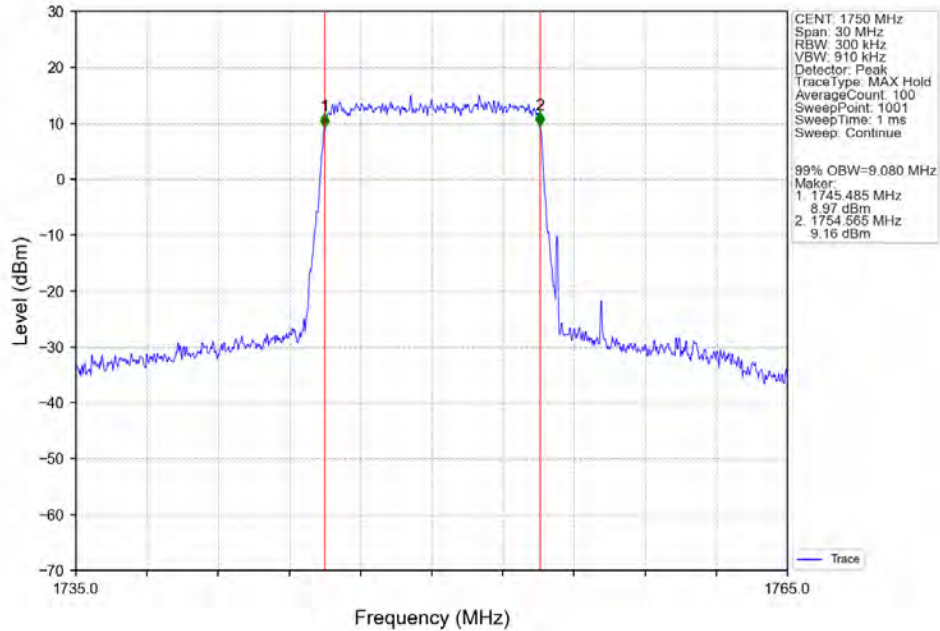
Band4_10MHz_256QAM_LCH_1715MHz_RB_50_0_NTNV



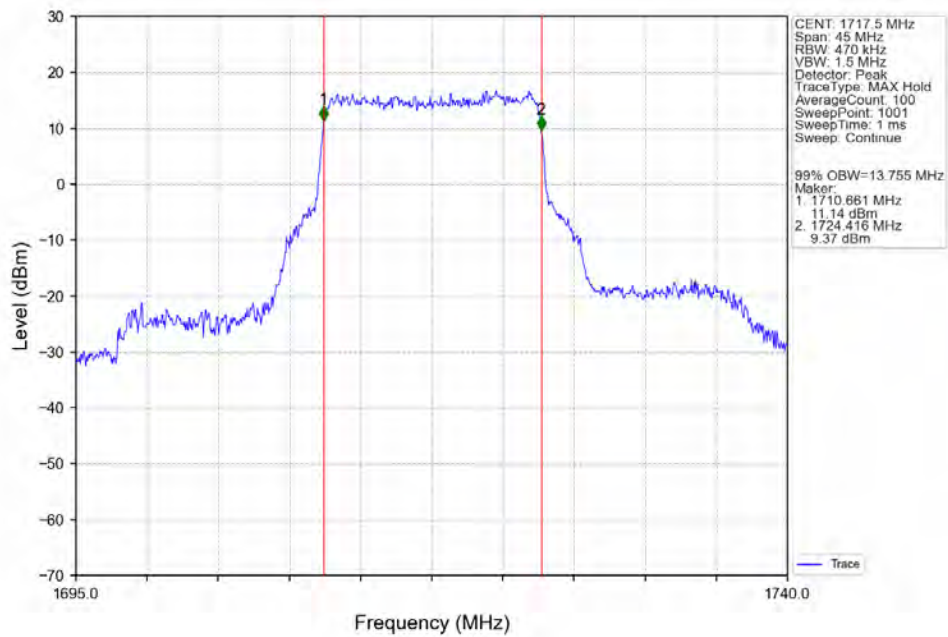
Band4_10MHz_256QAM_MCH_1732.5MHz_RB_50_0_NTNV



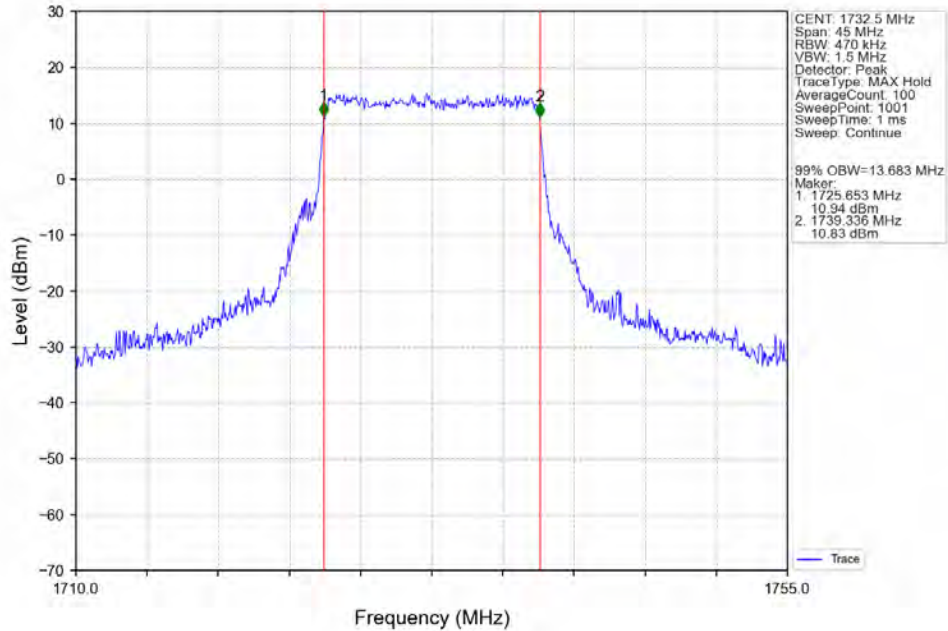
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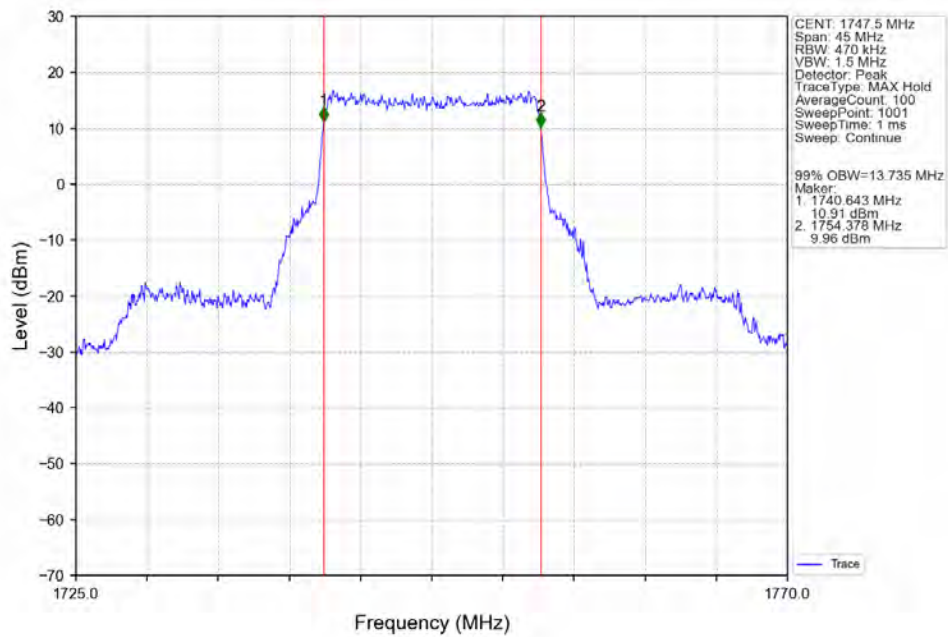
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



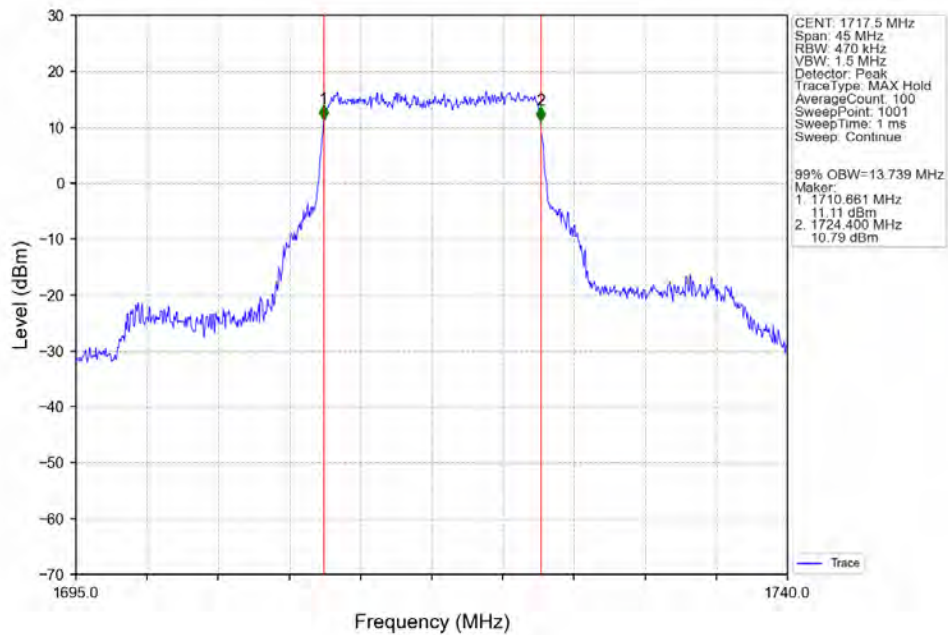
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



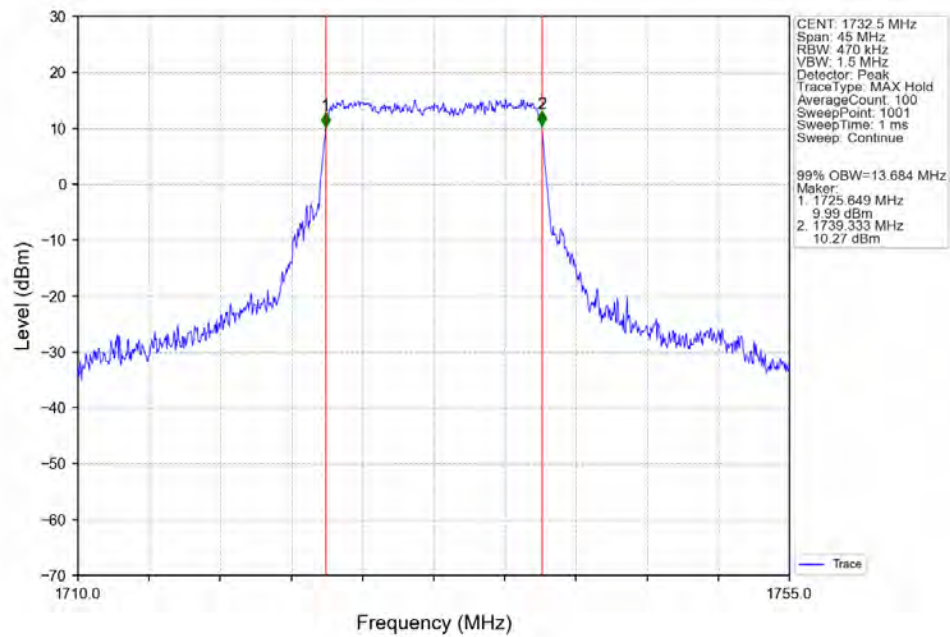
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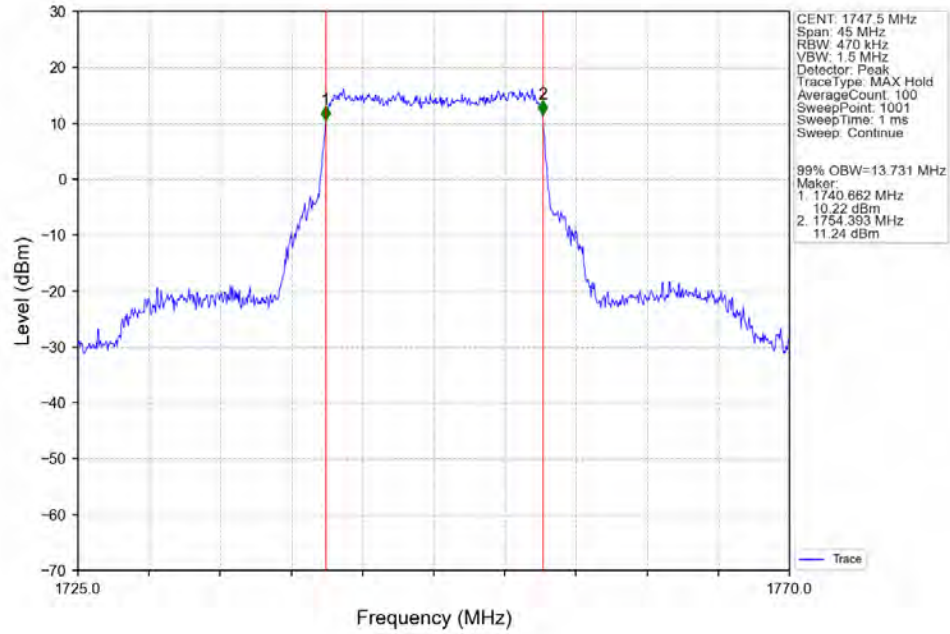
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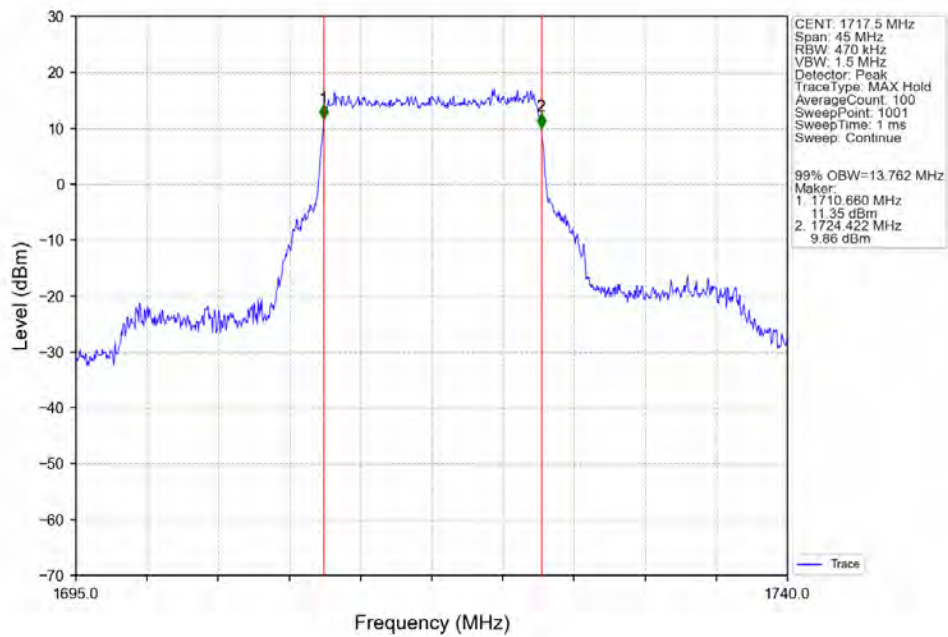
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



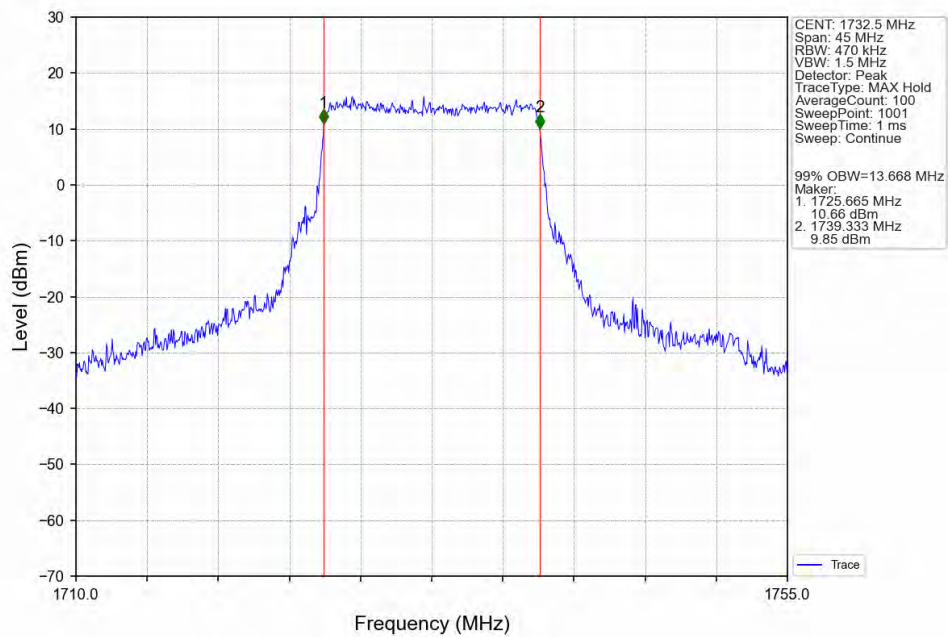
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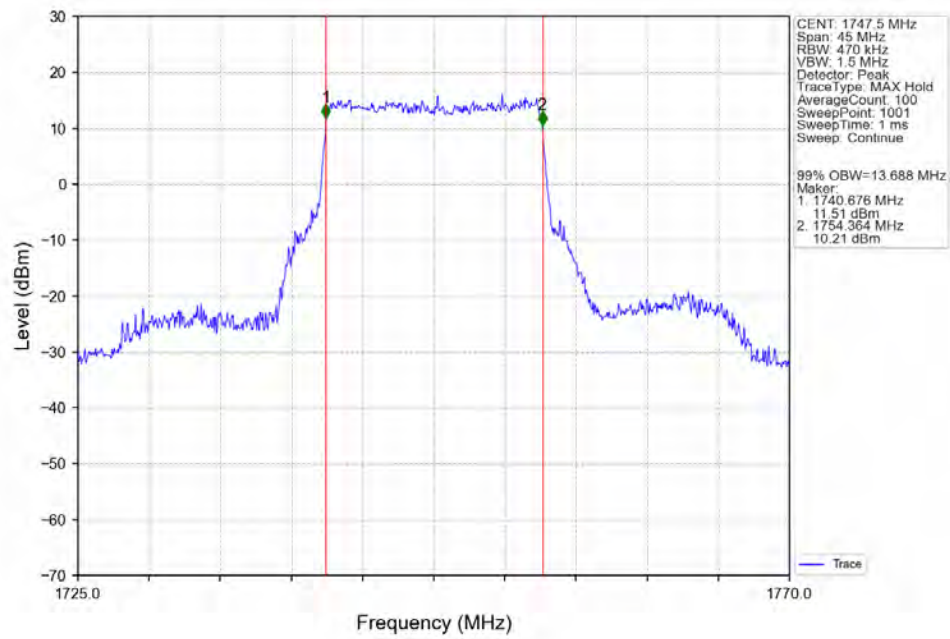
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



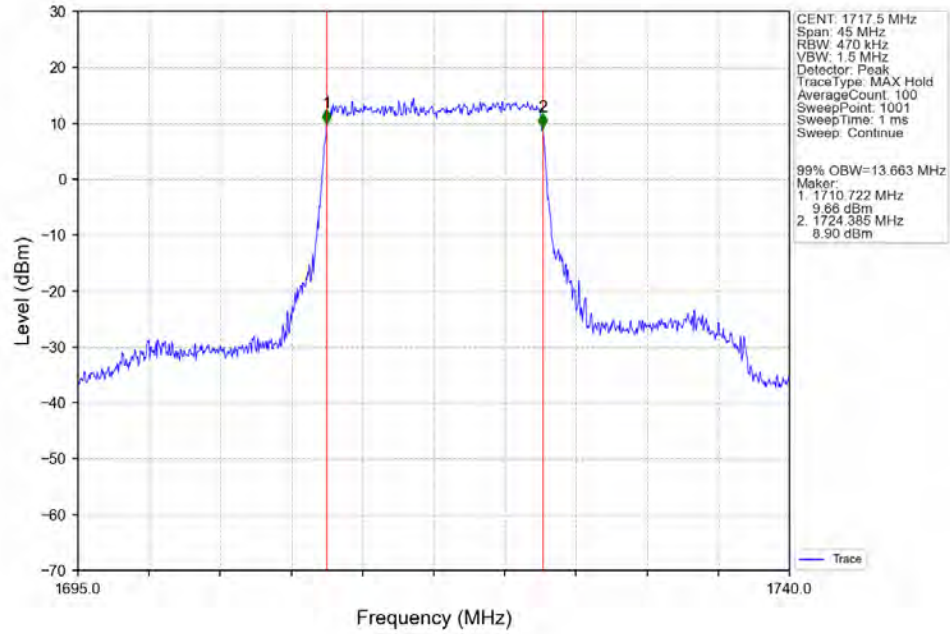
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV



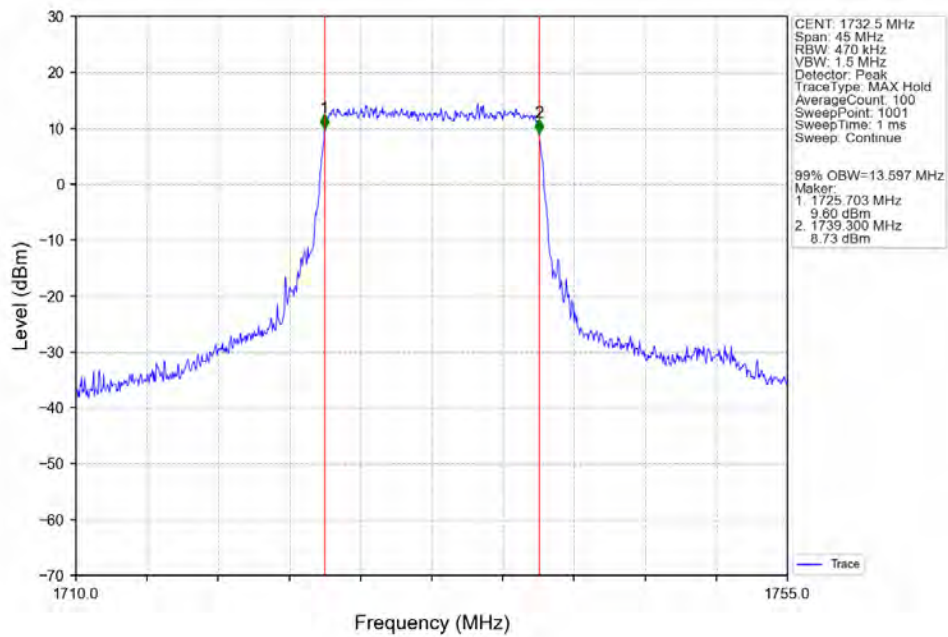
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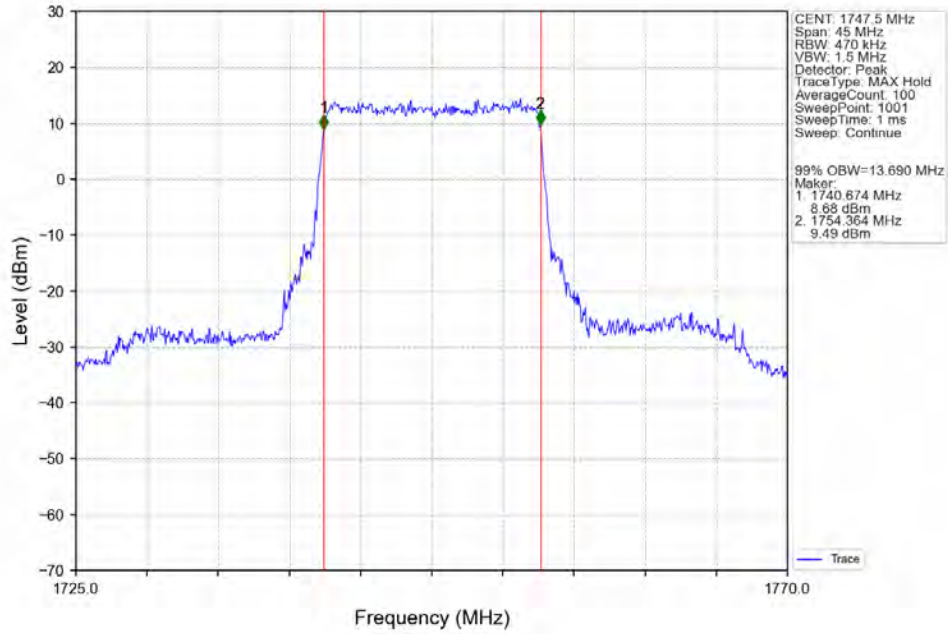
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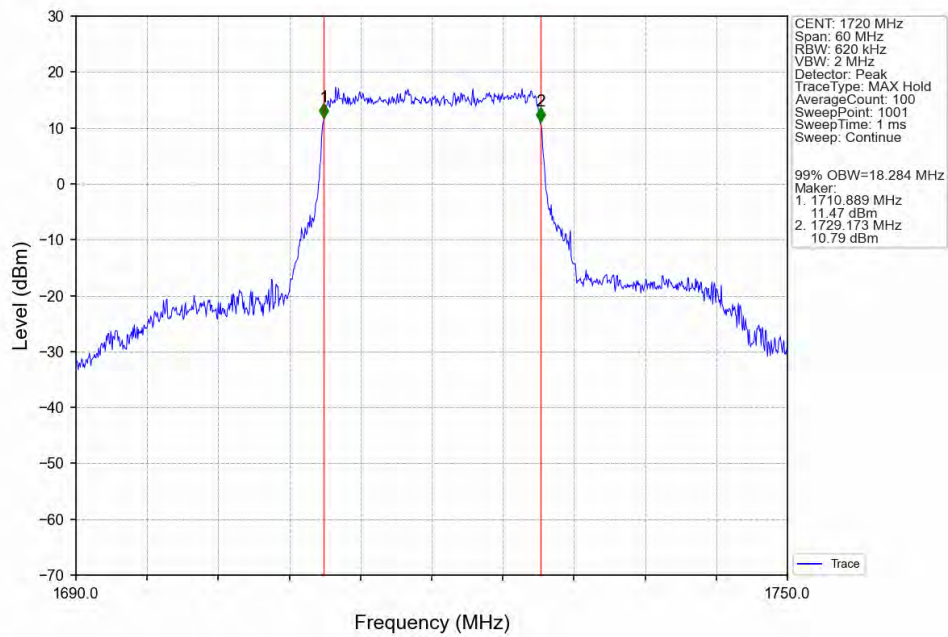
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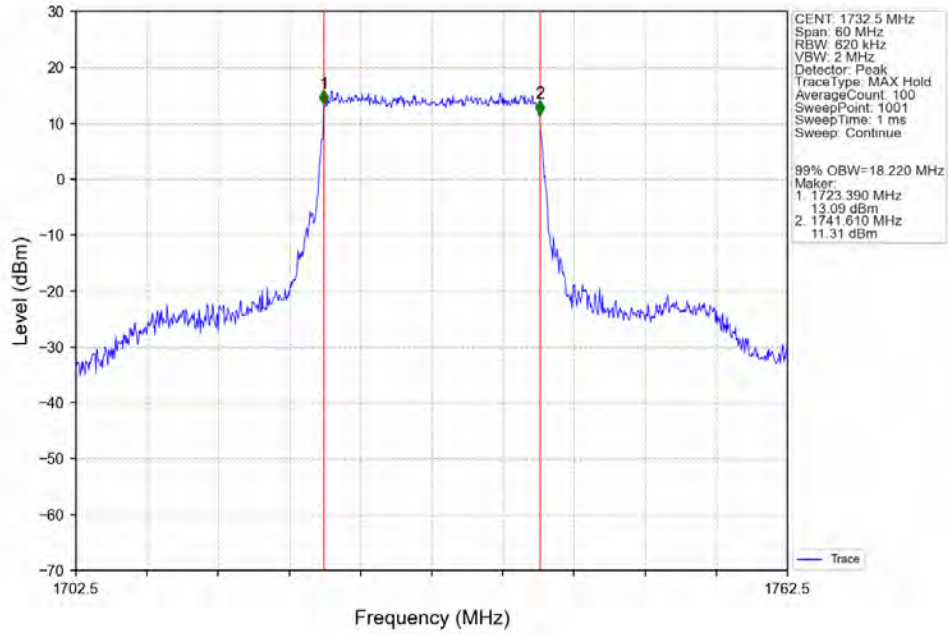
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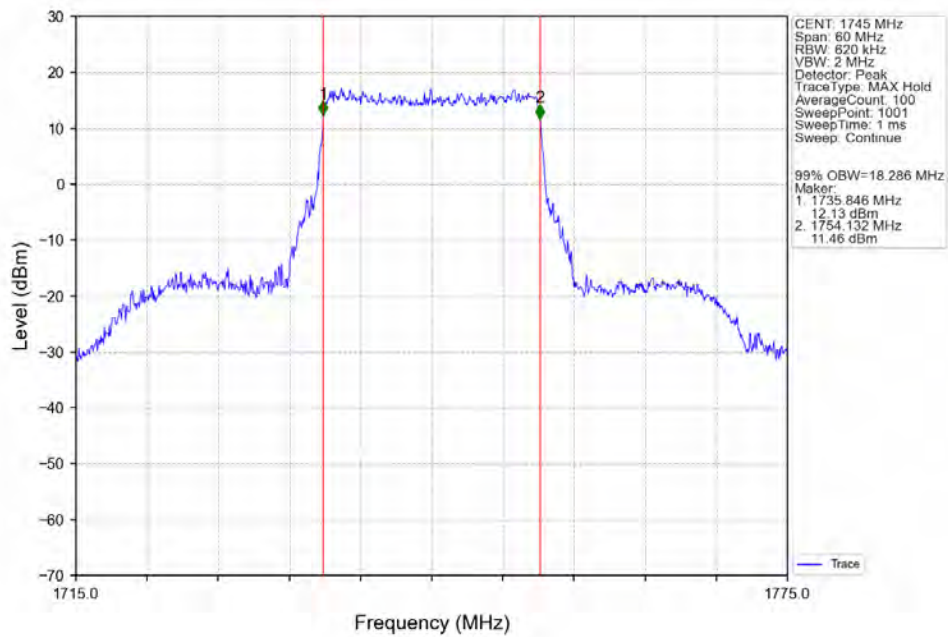
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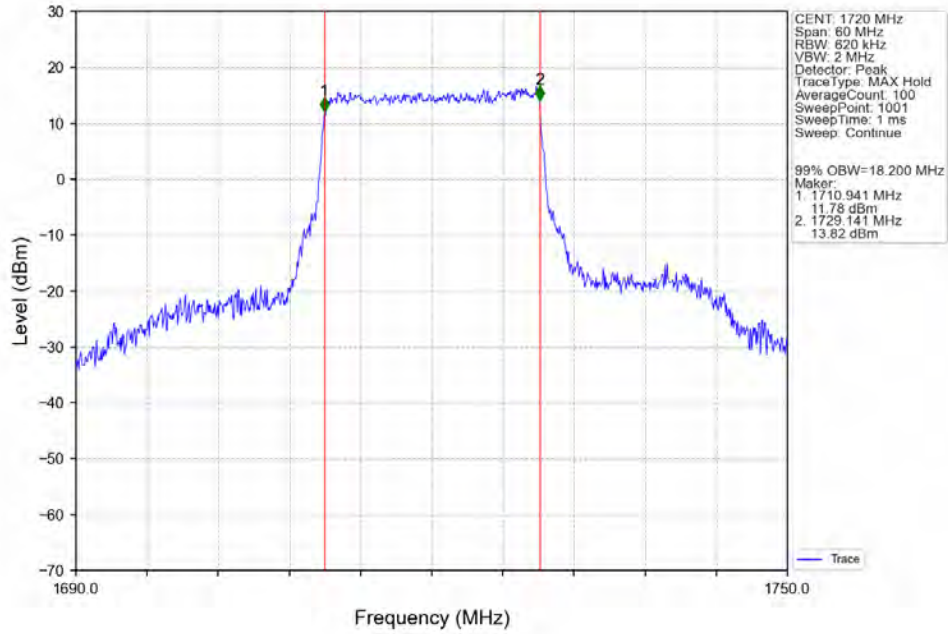
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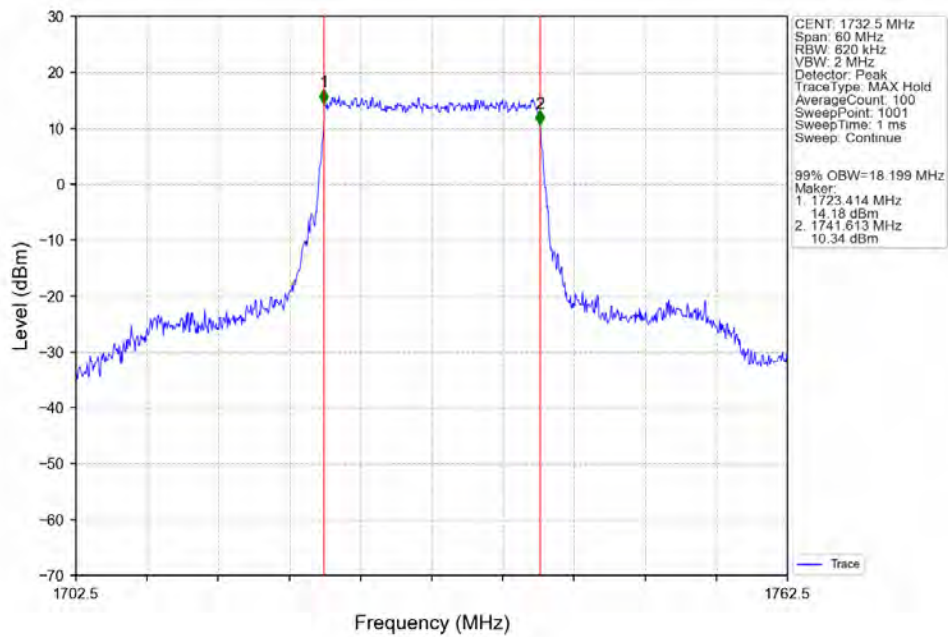
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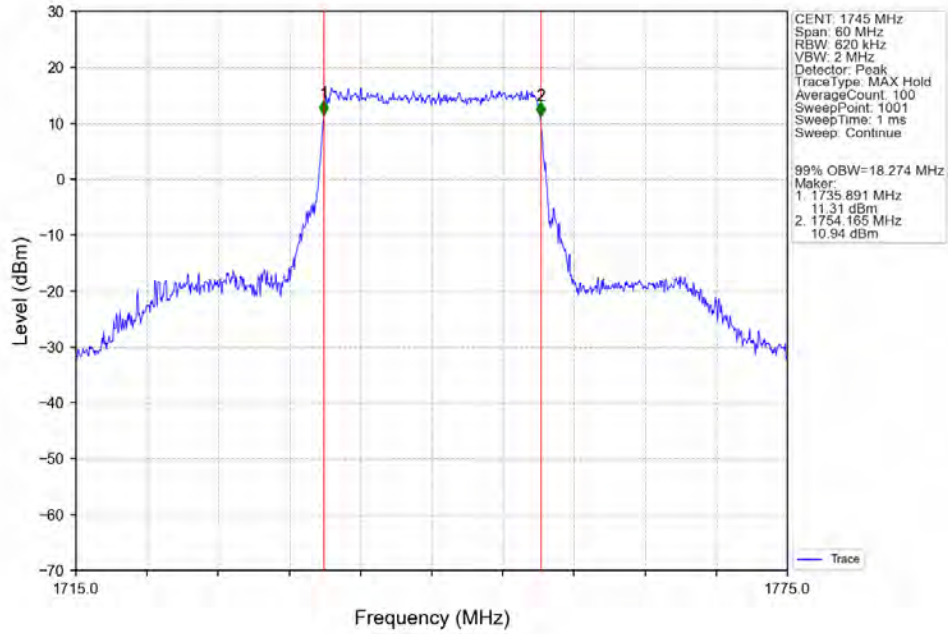
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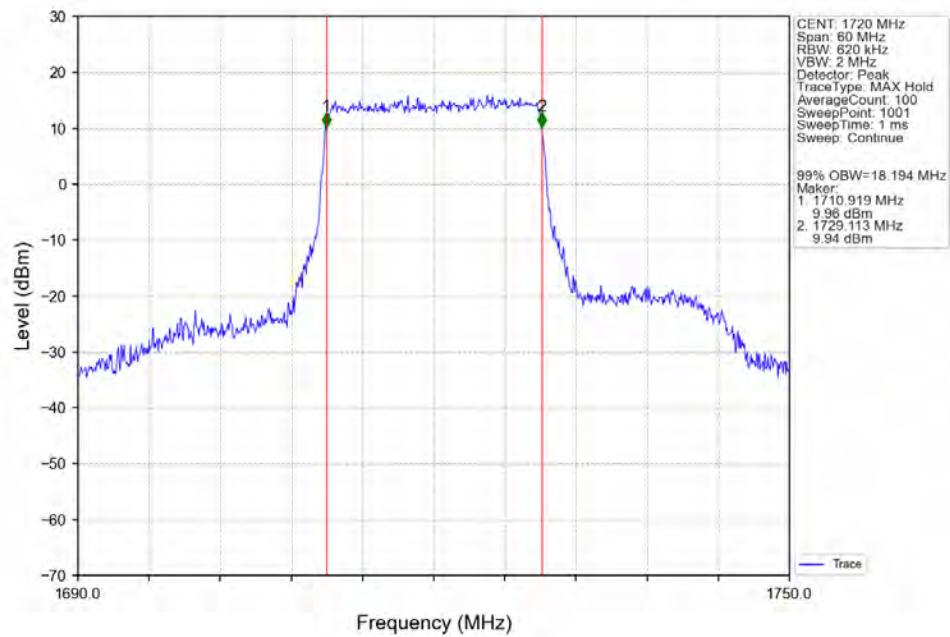
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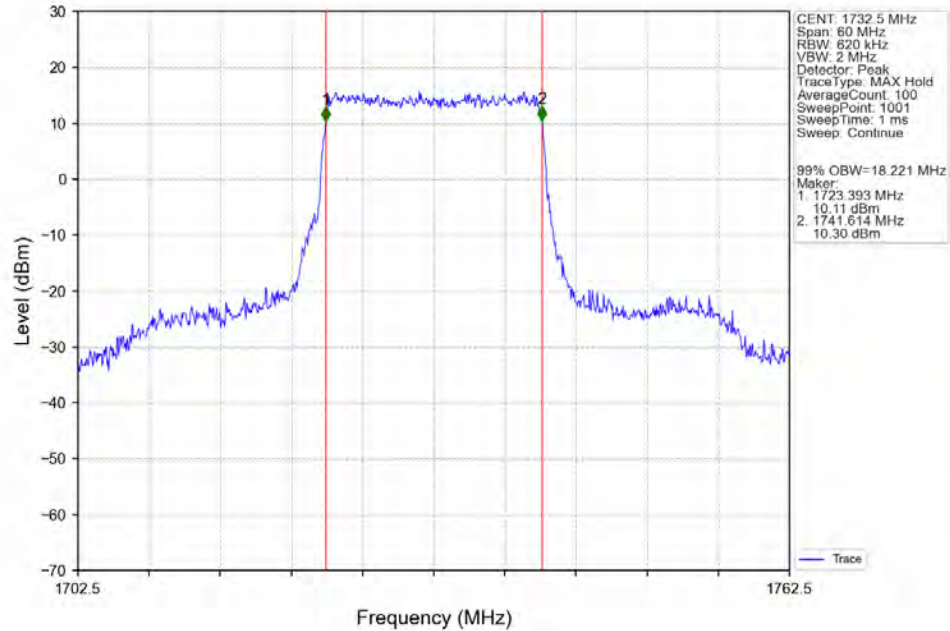
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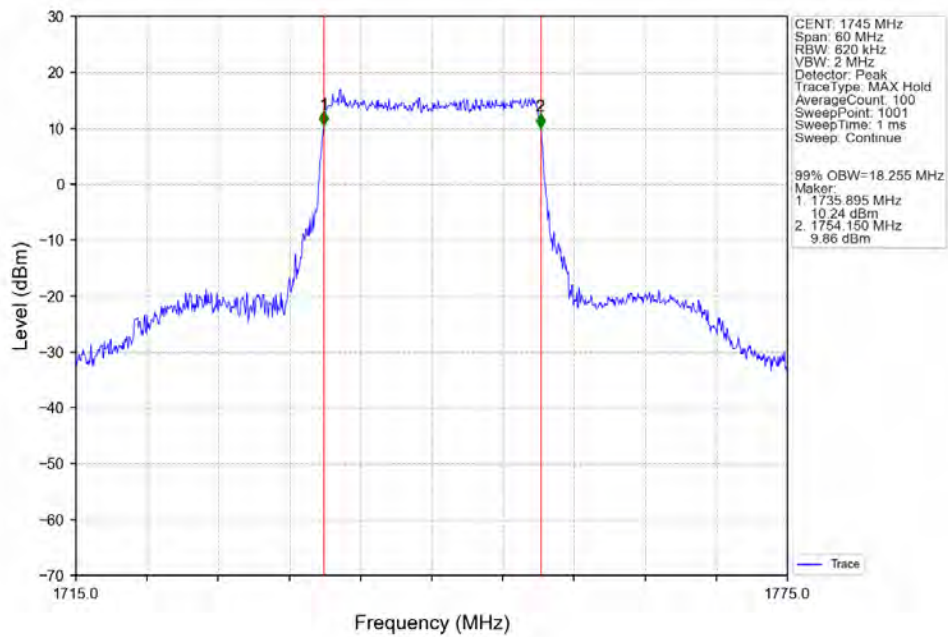
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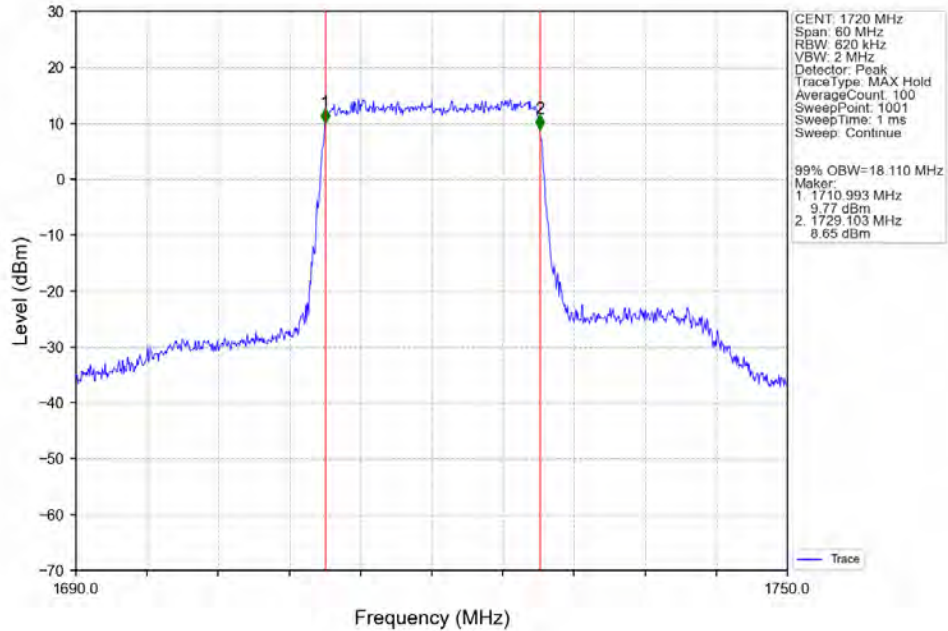
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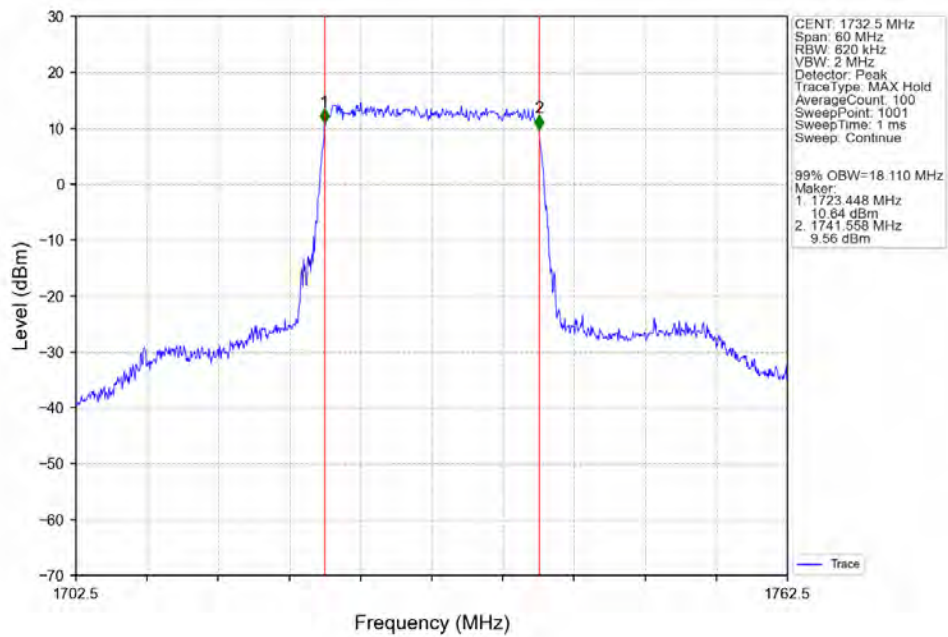
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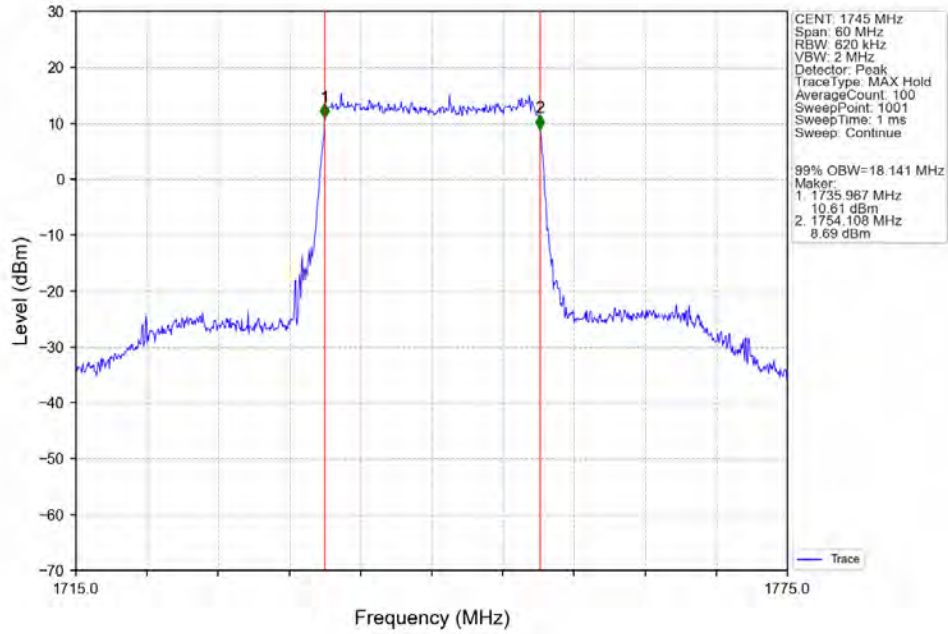
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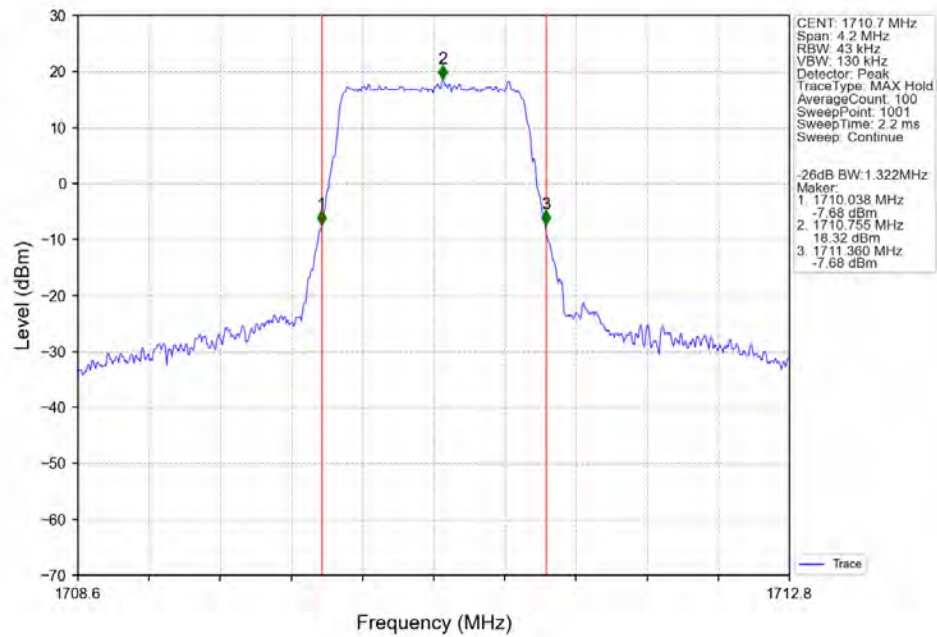


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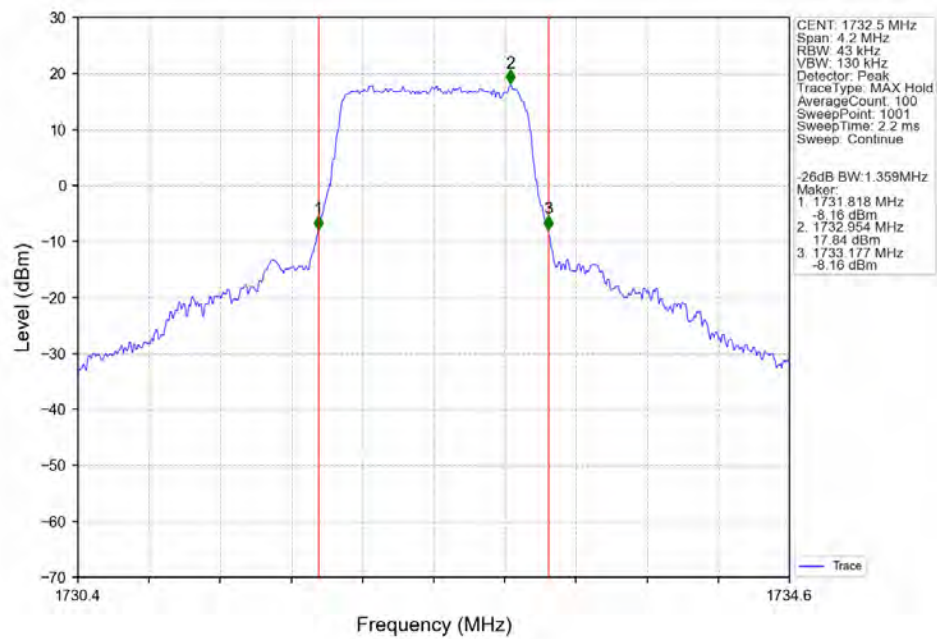


3.2.2 Band4_XDB

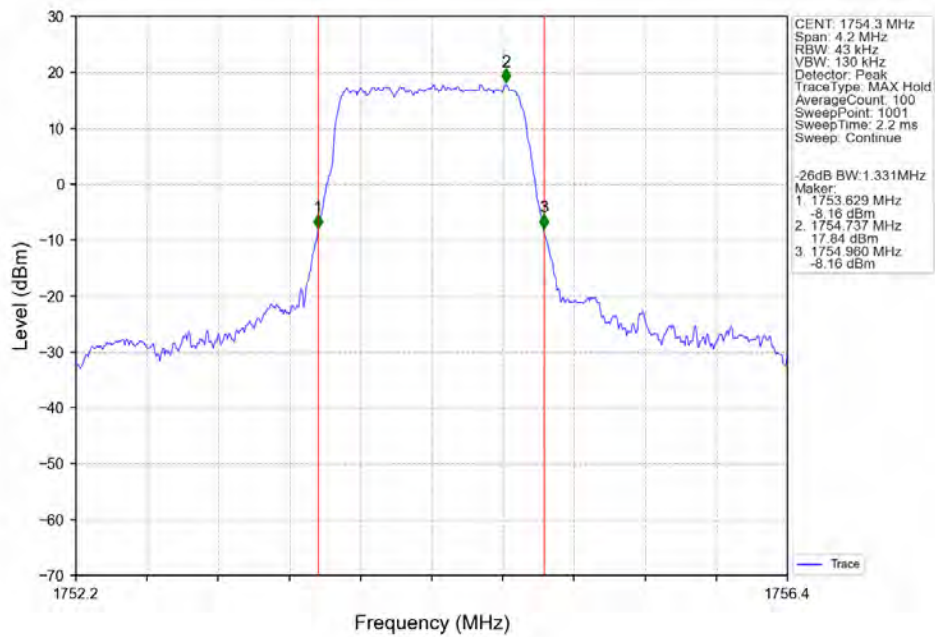
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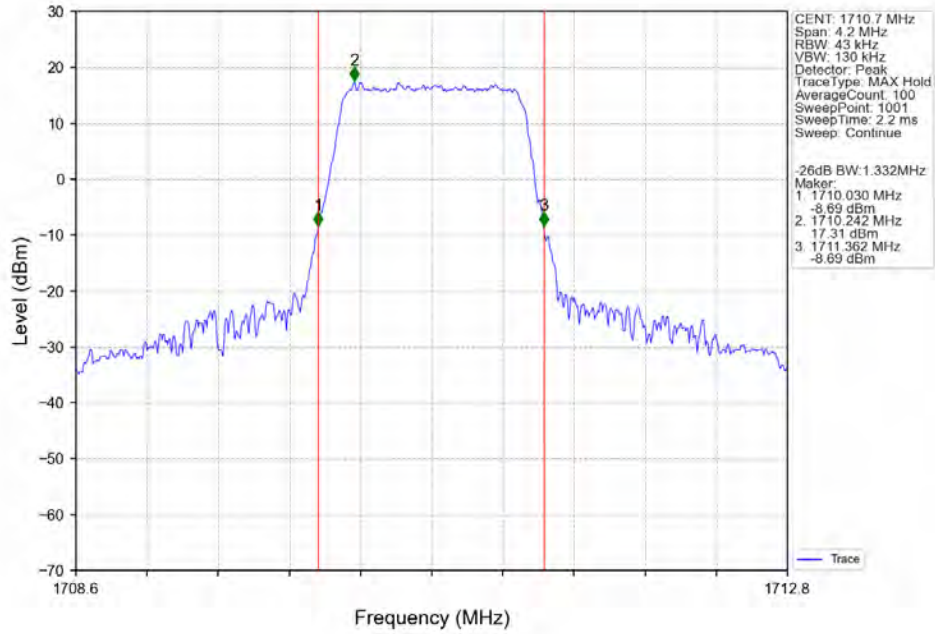
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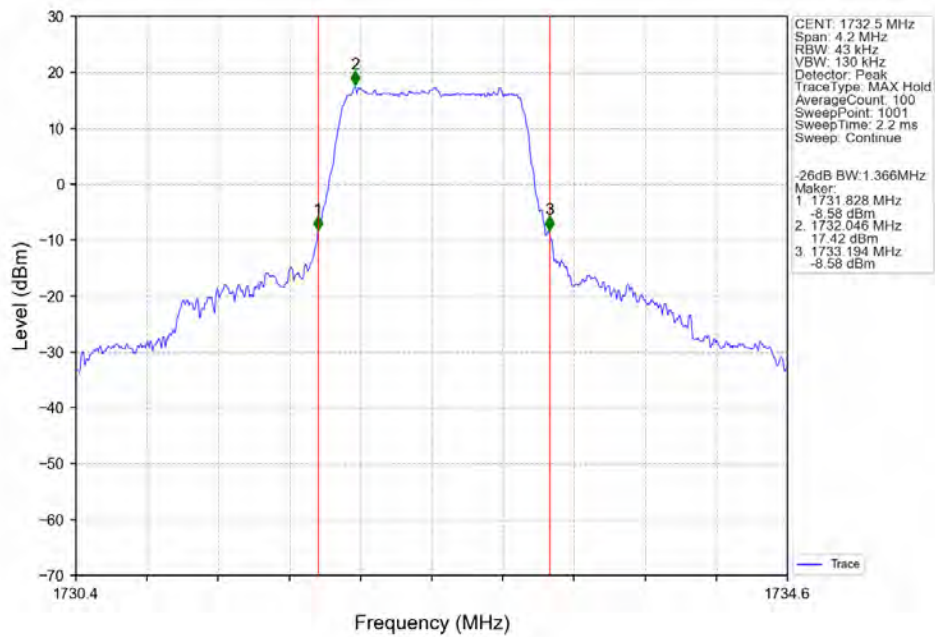
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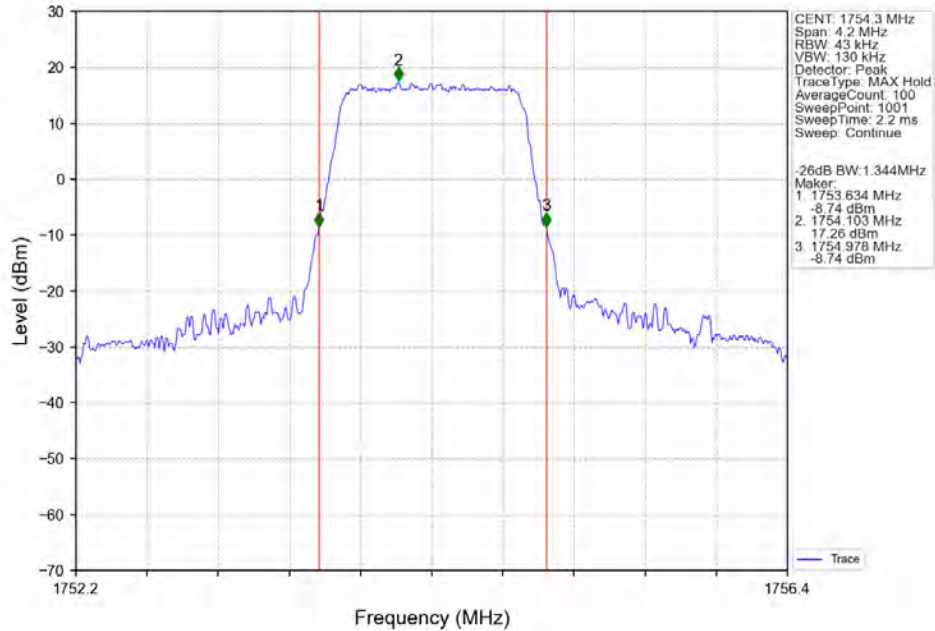
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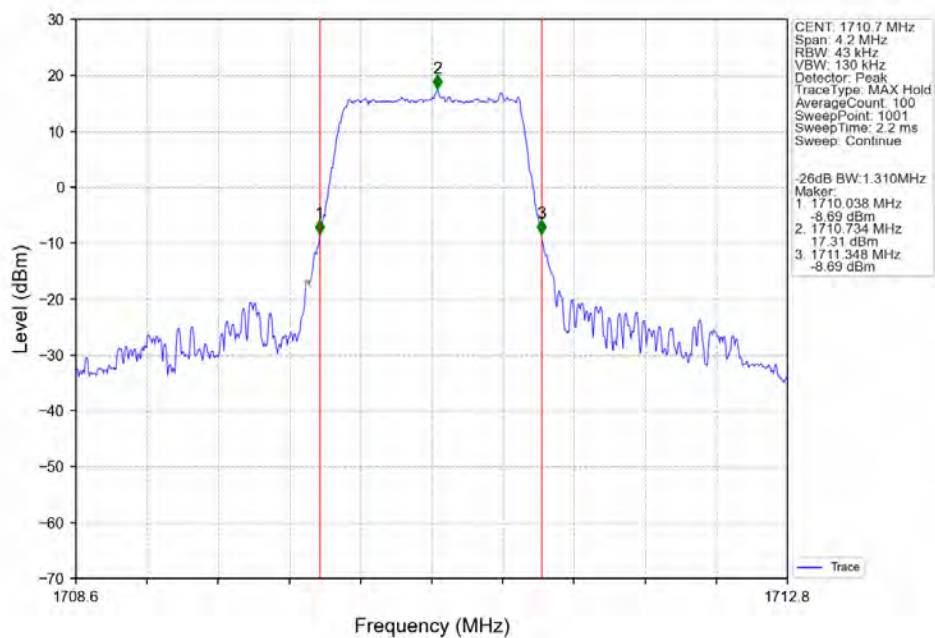
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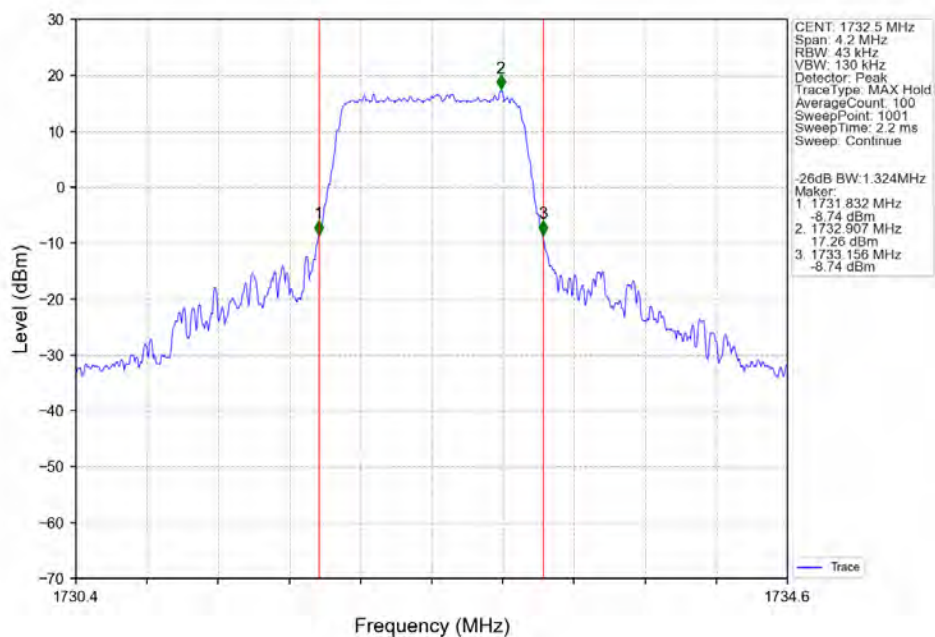
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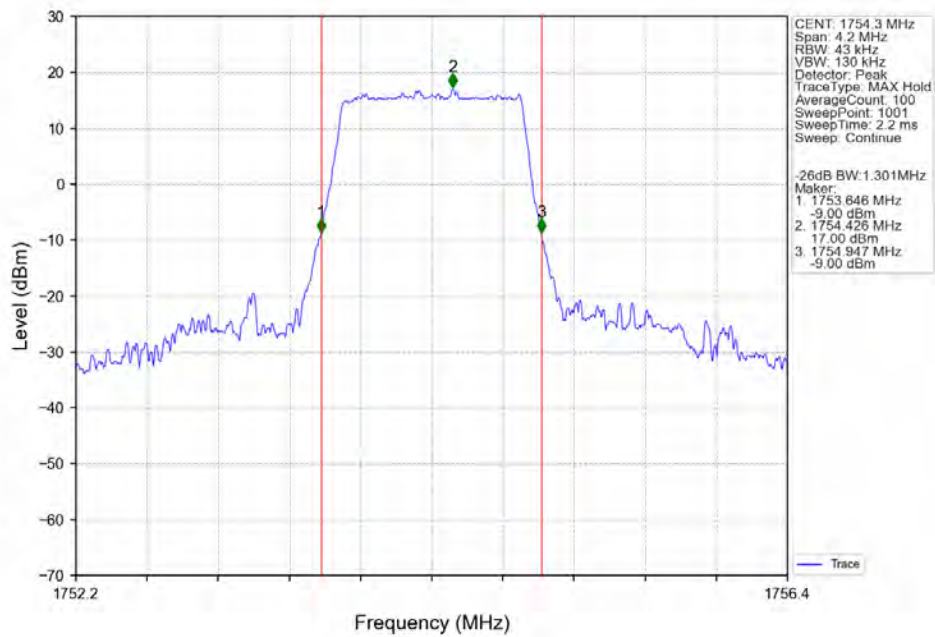
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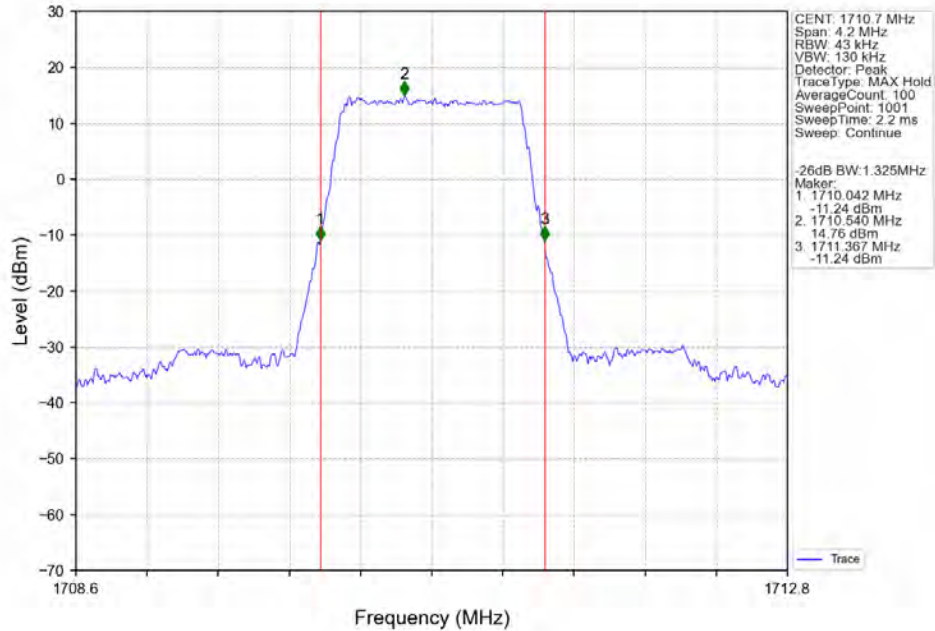
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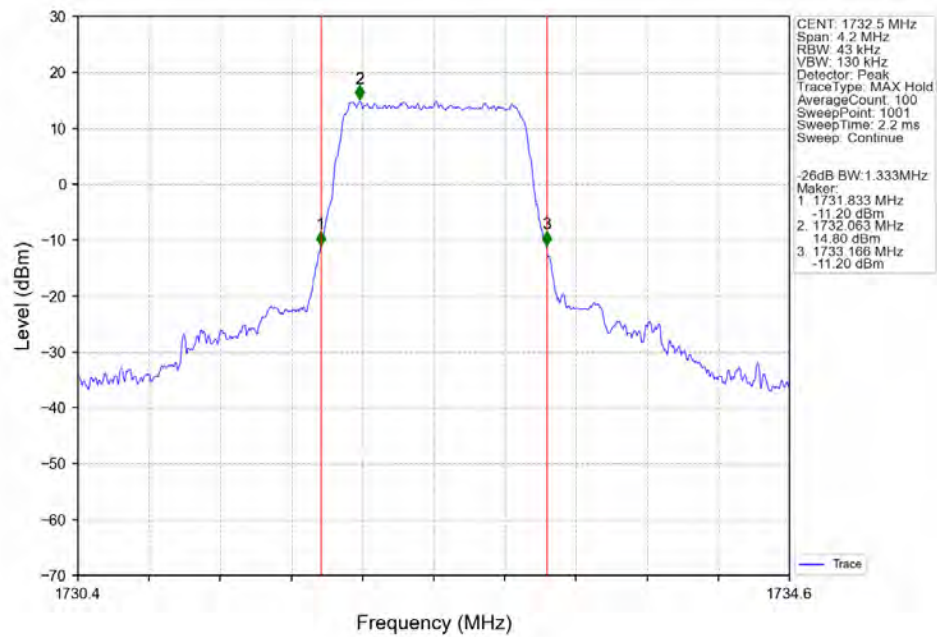
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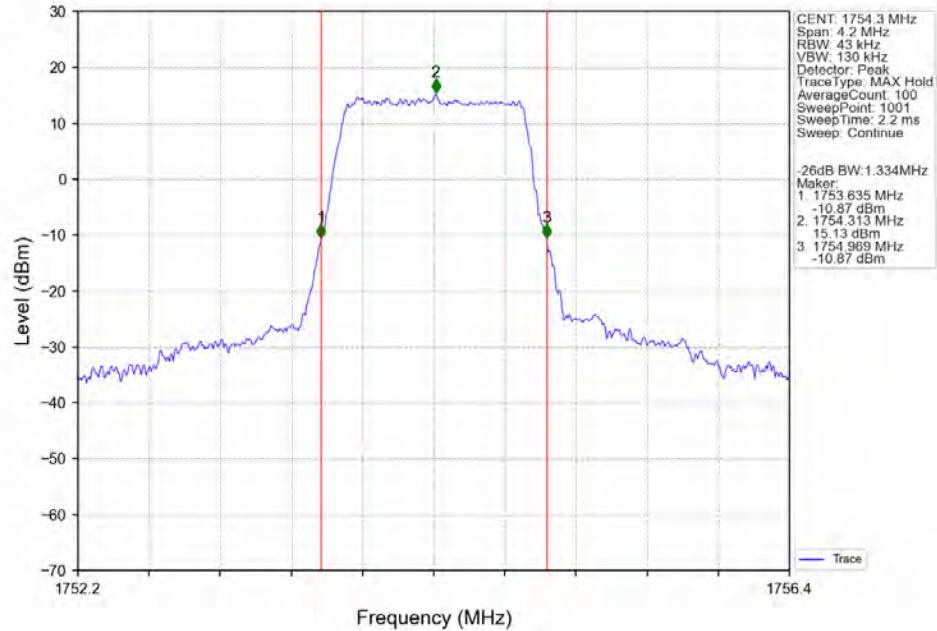
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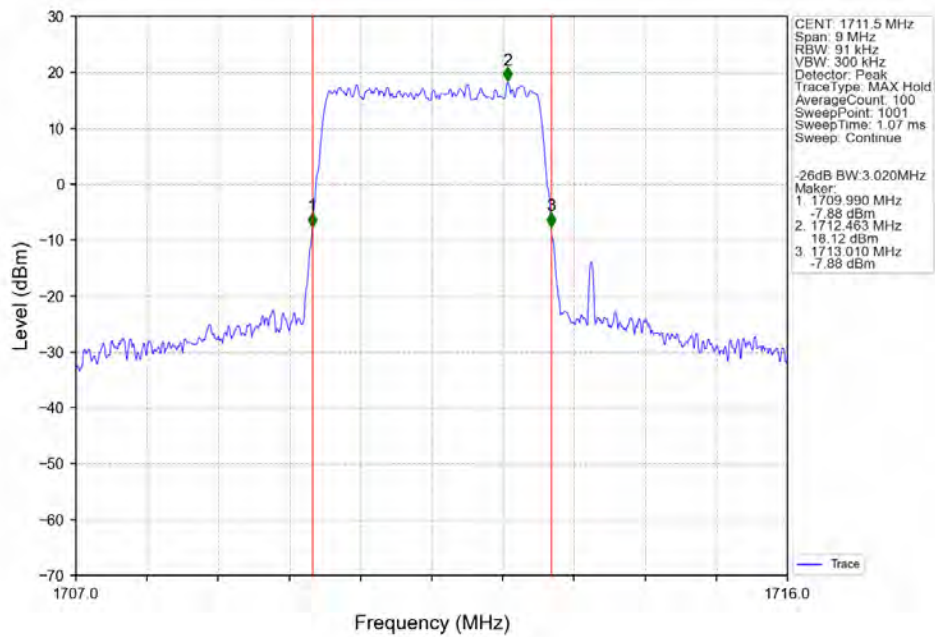
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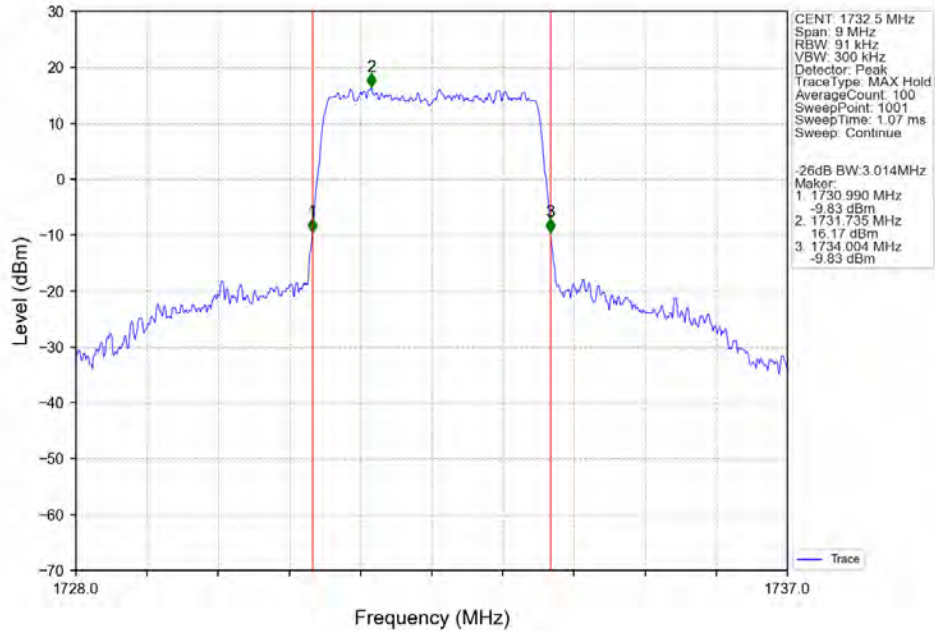
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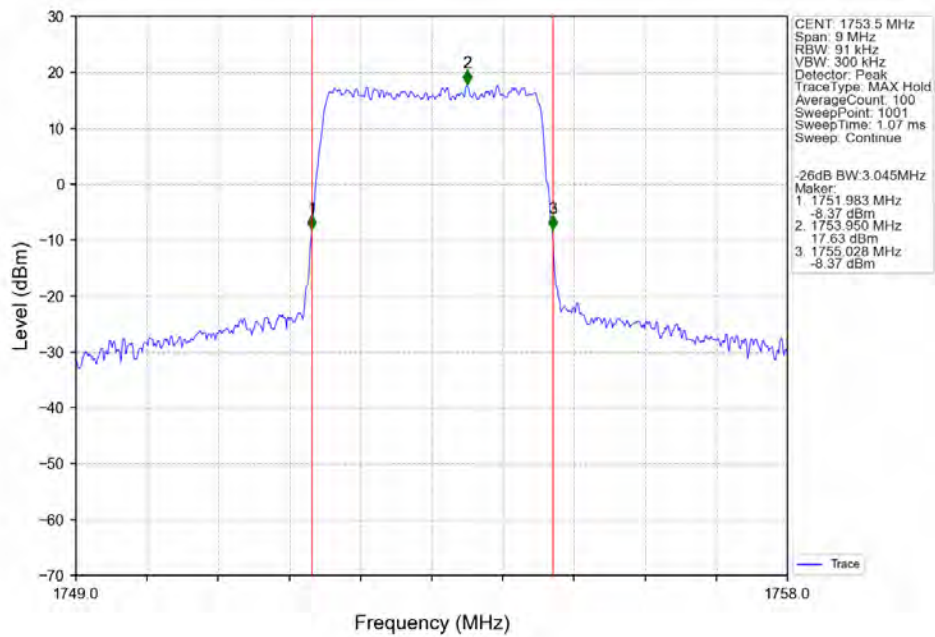
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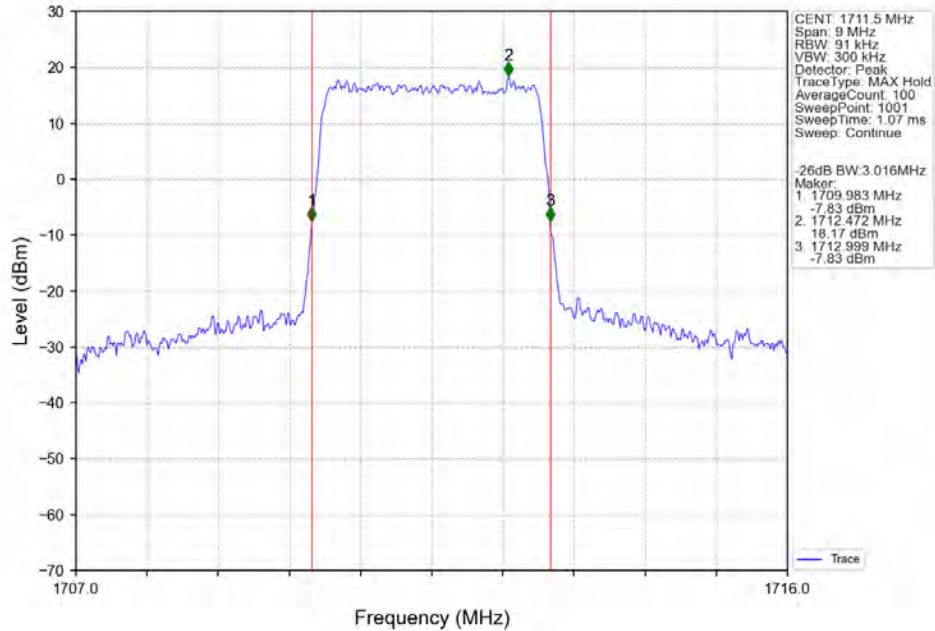
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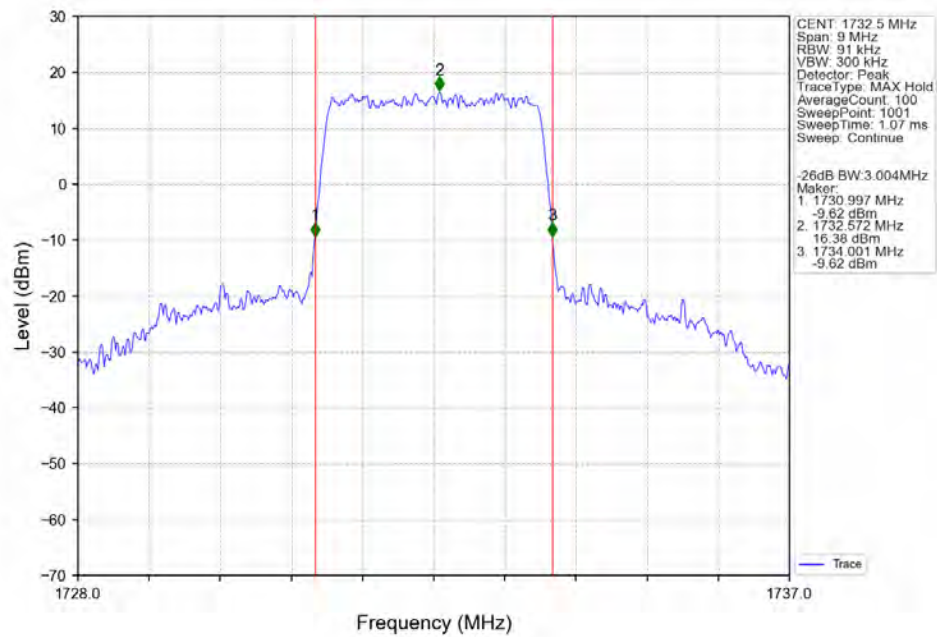
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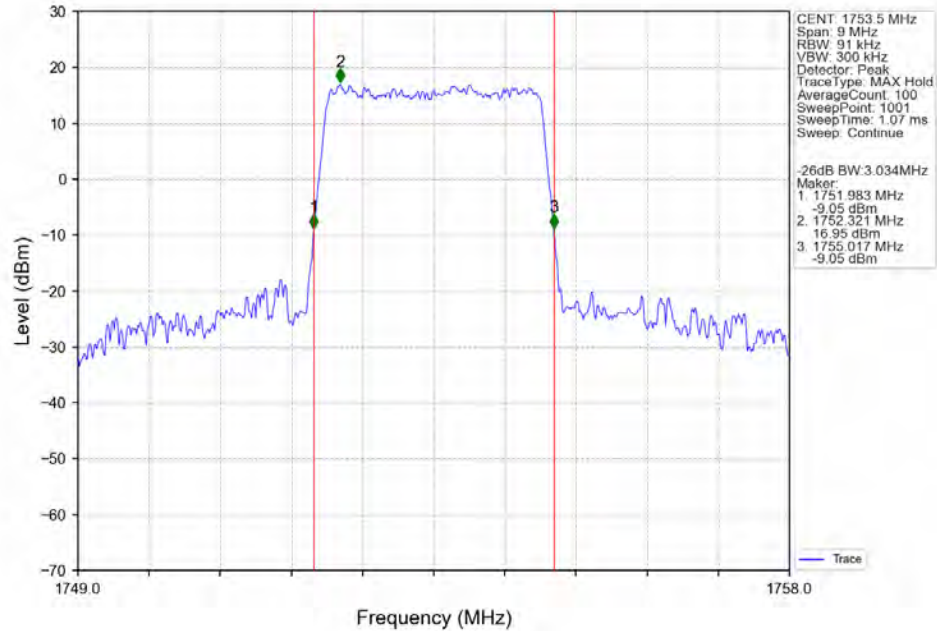
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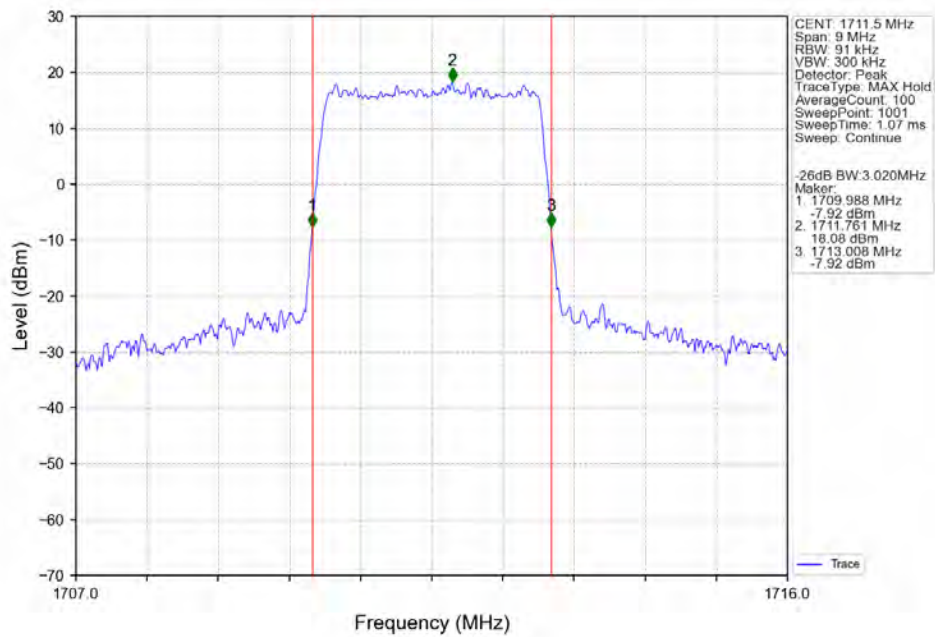
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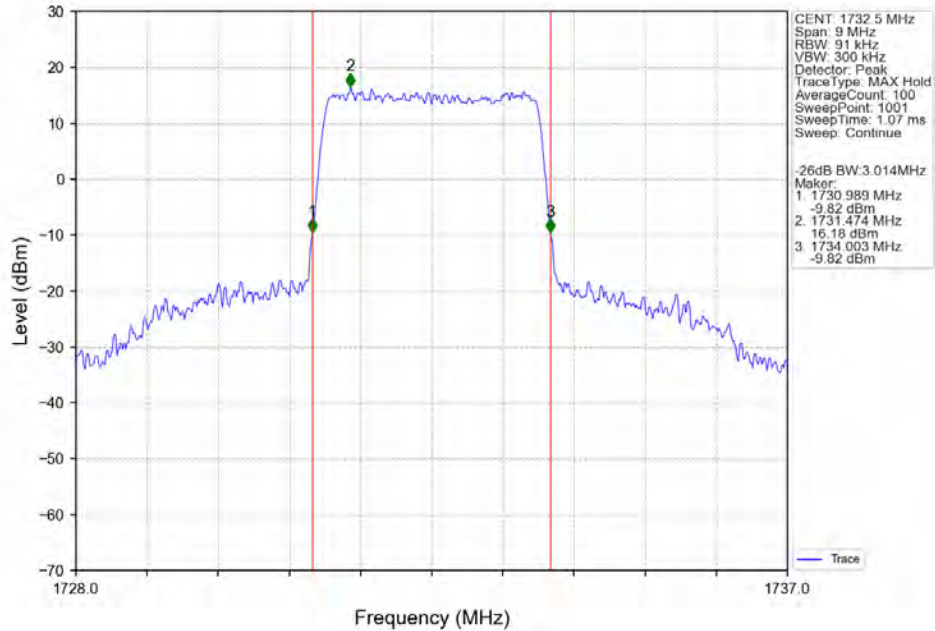
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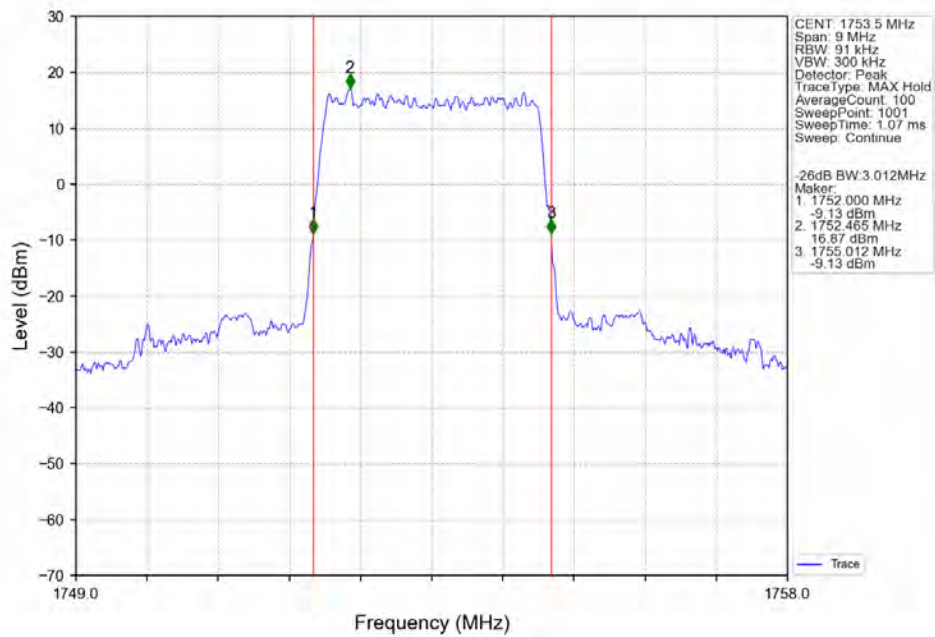
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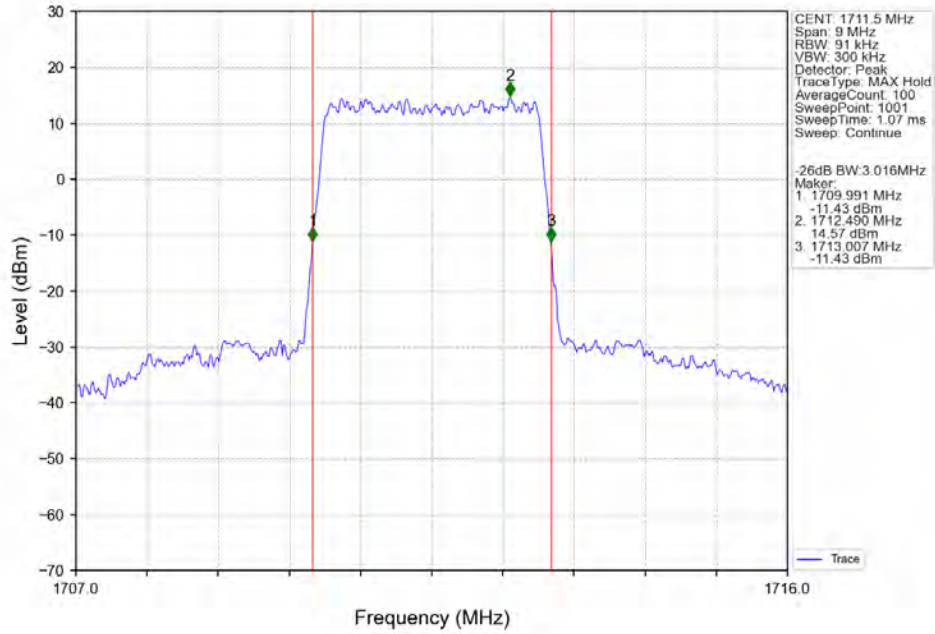
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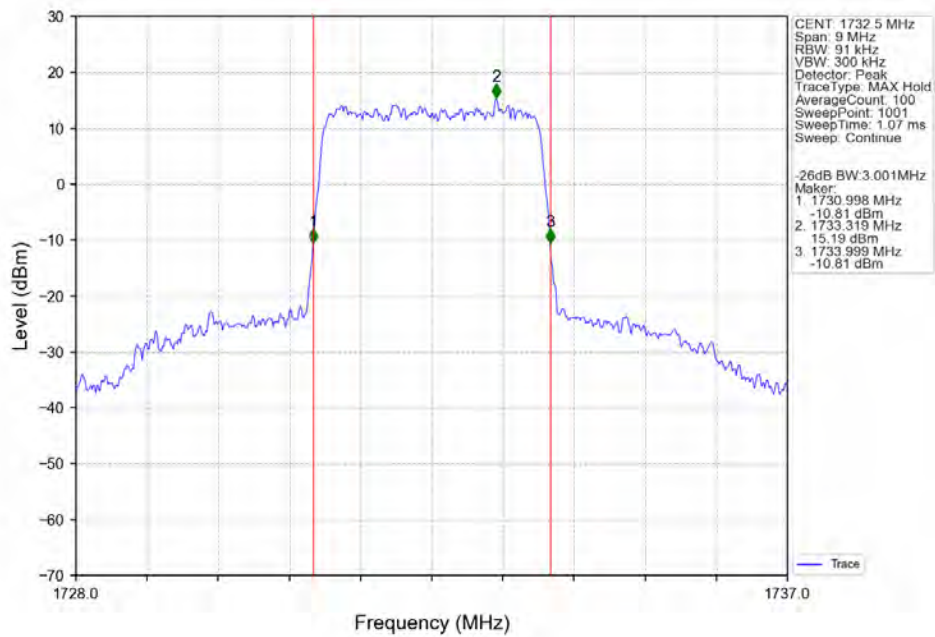
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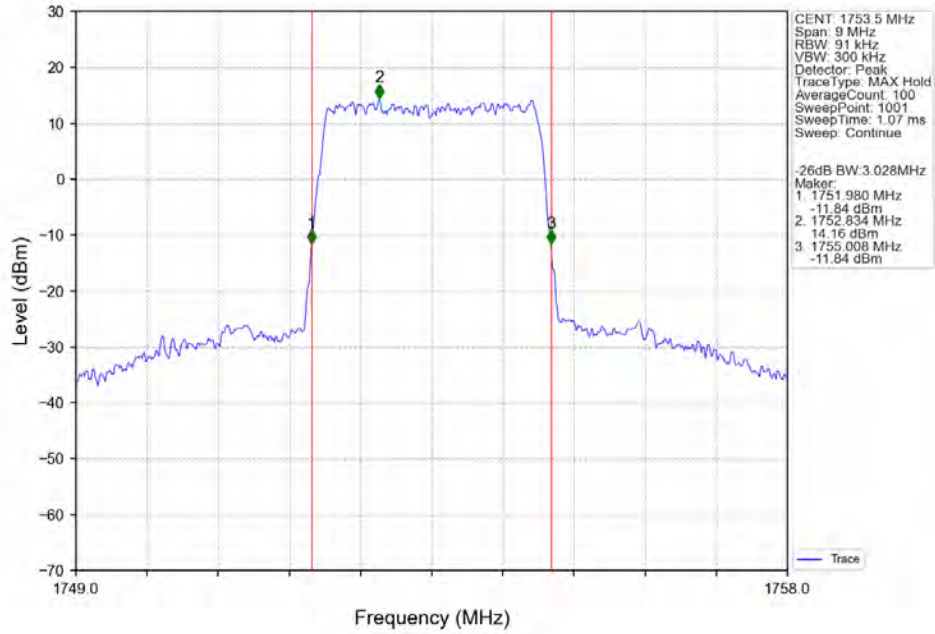
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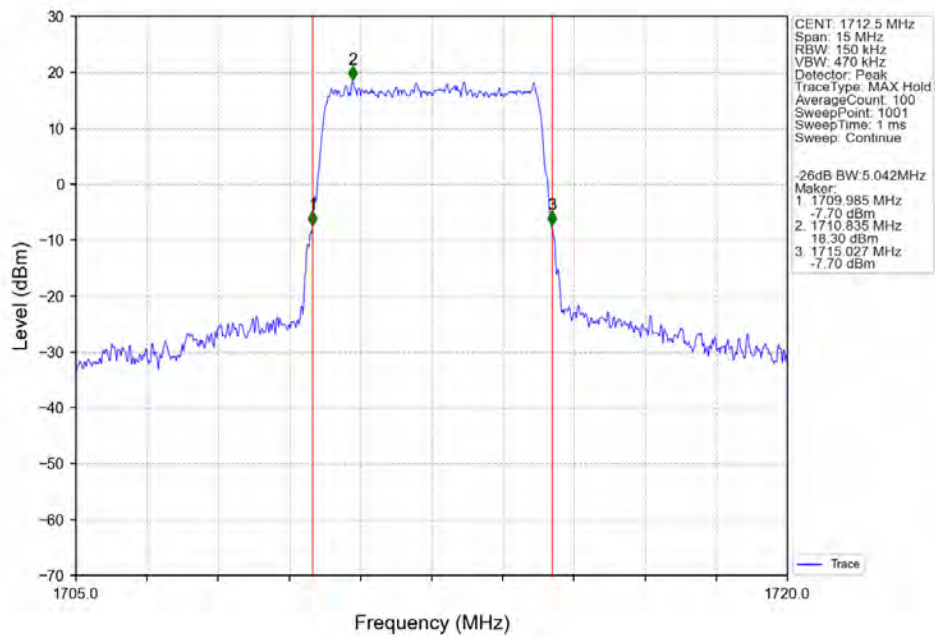
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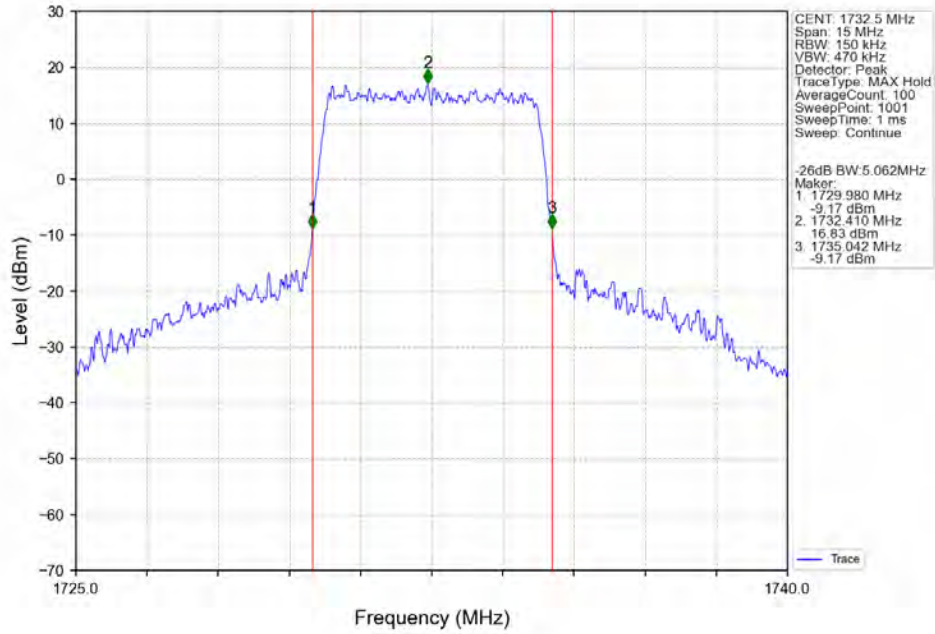
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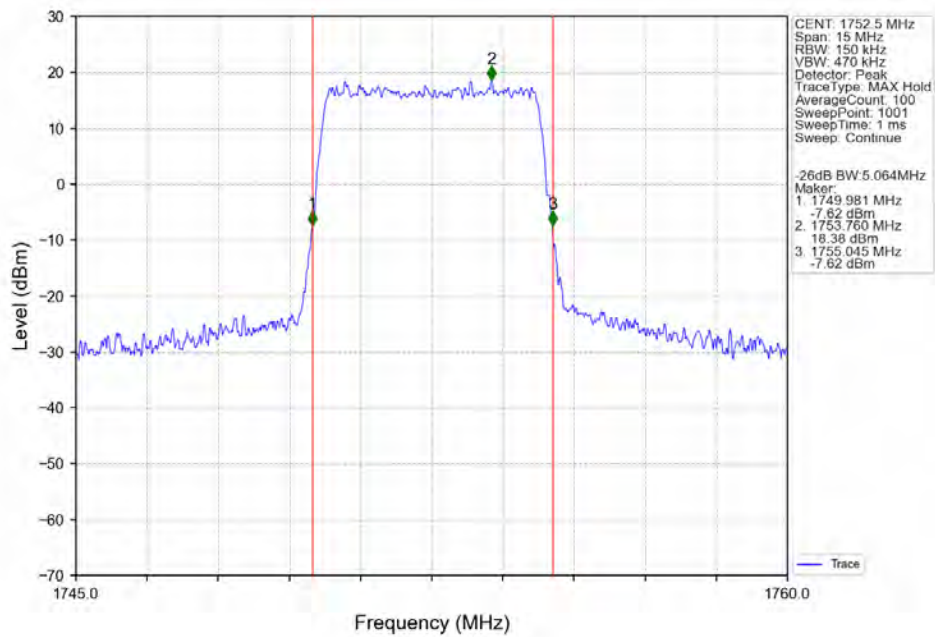
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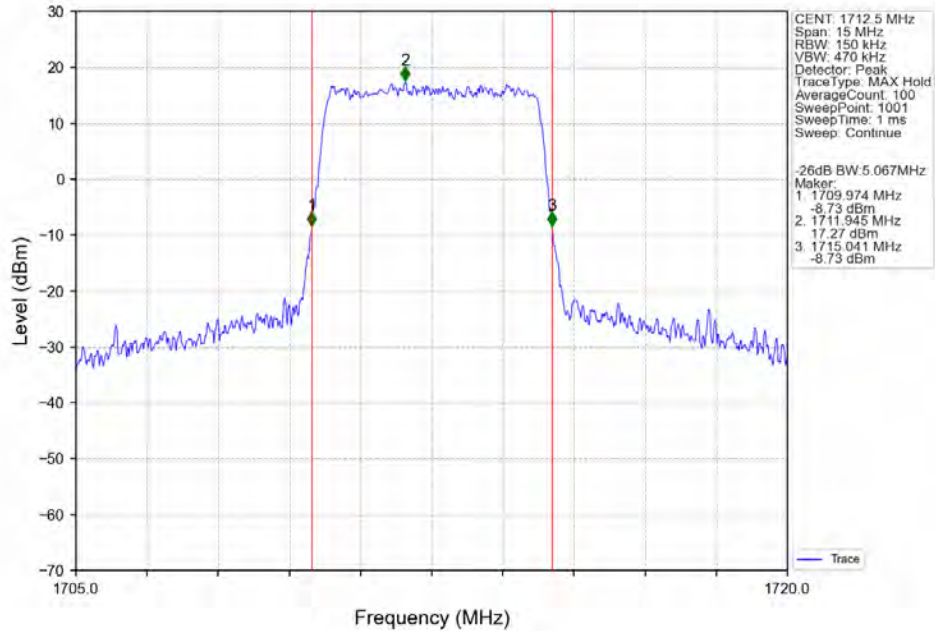
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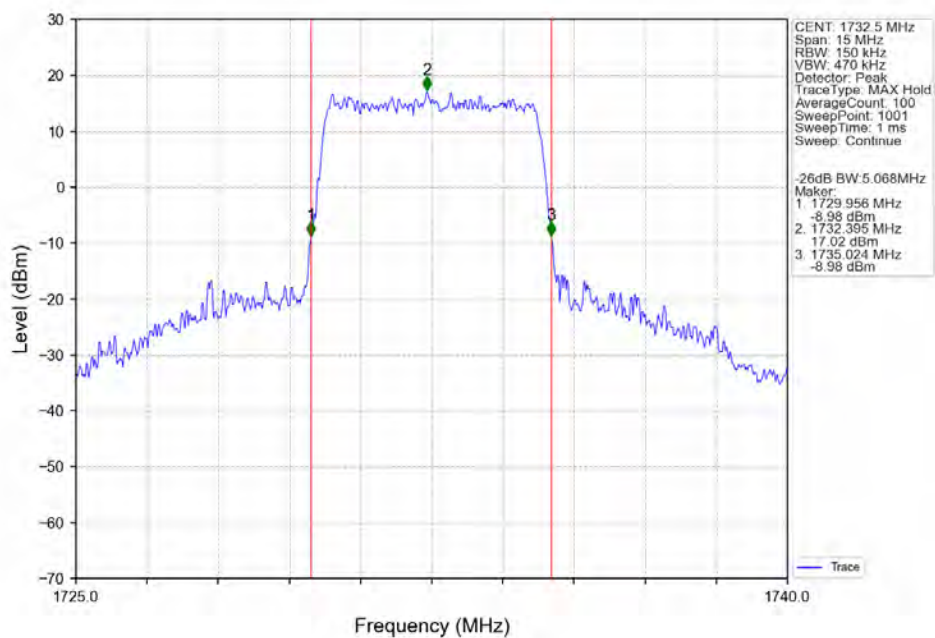
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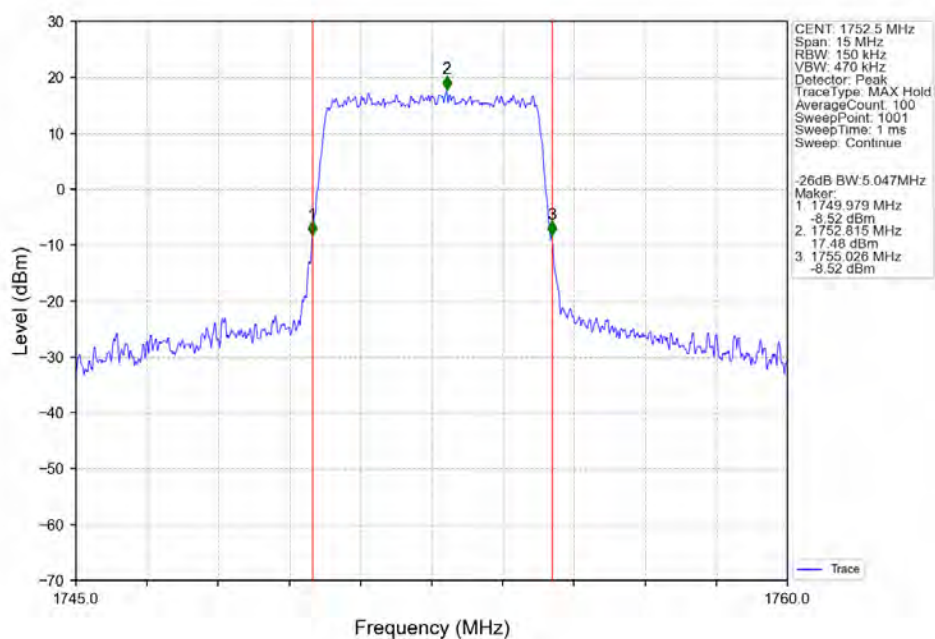
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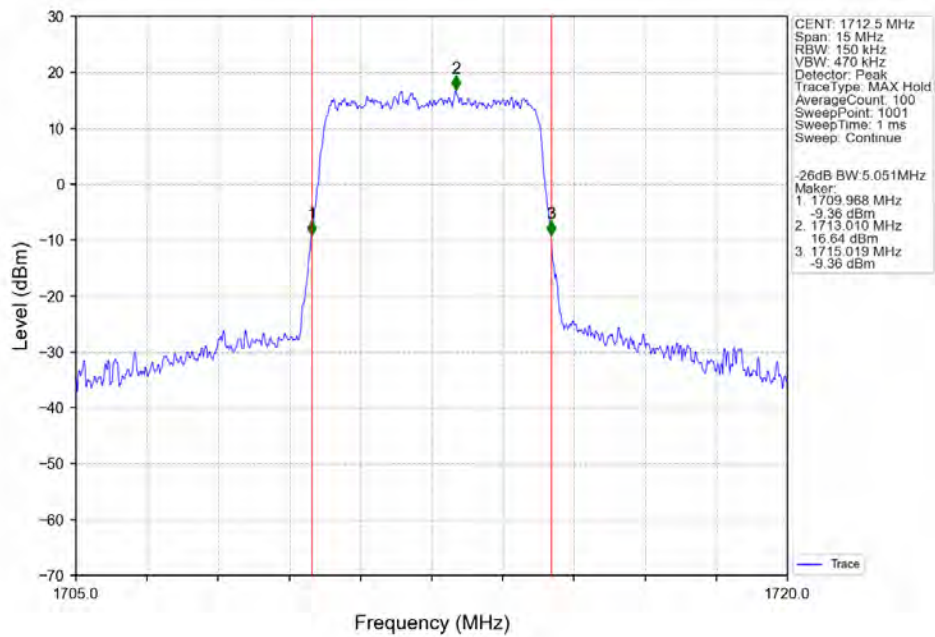
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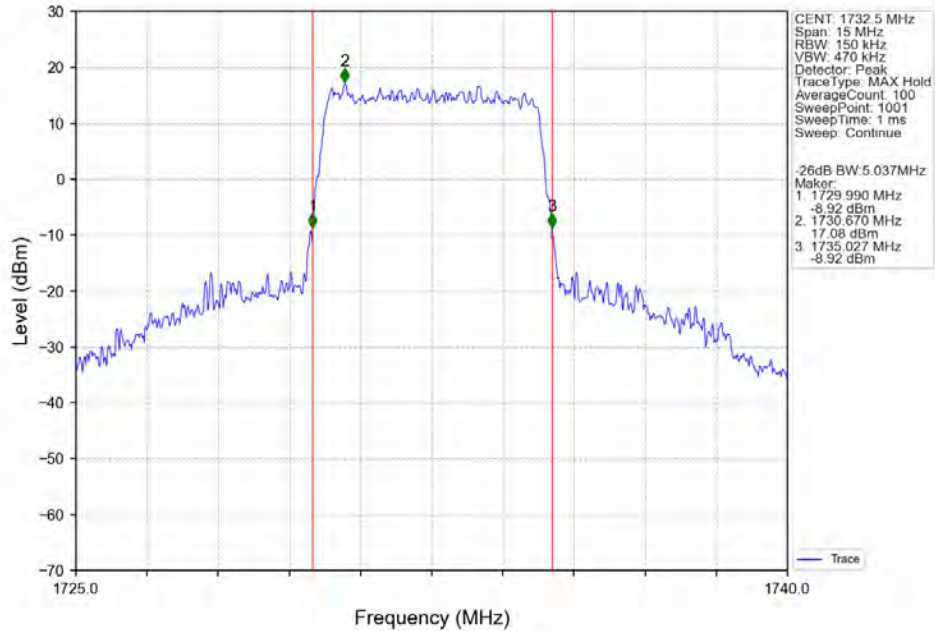
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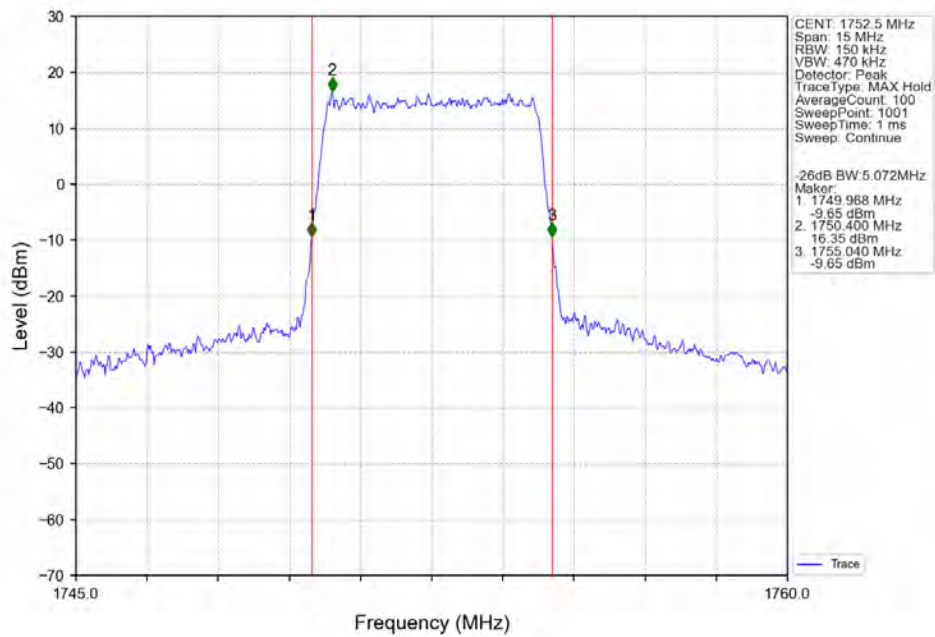
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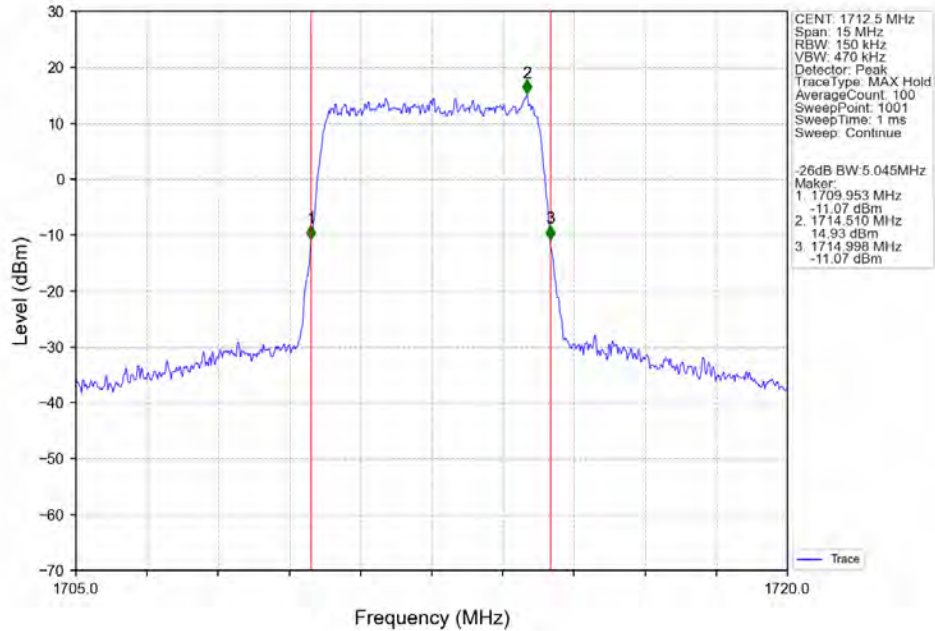
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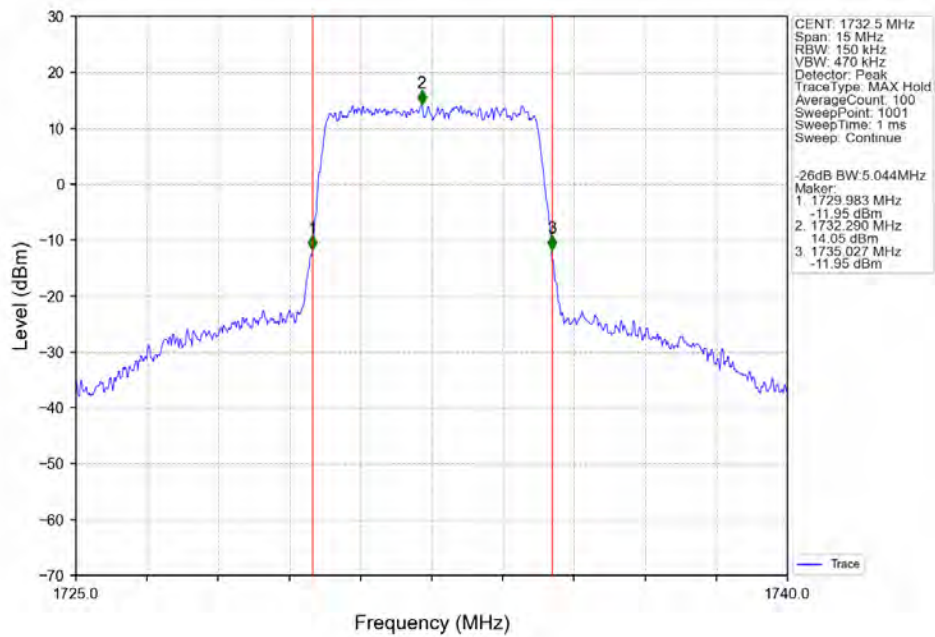
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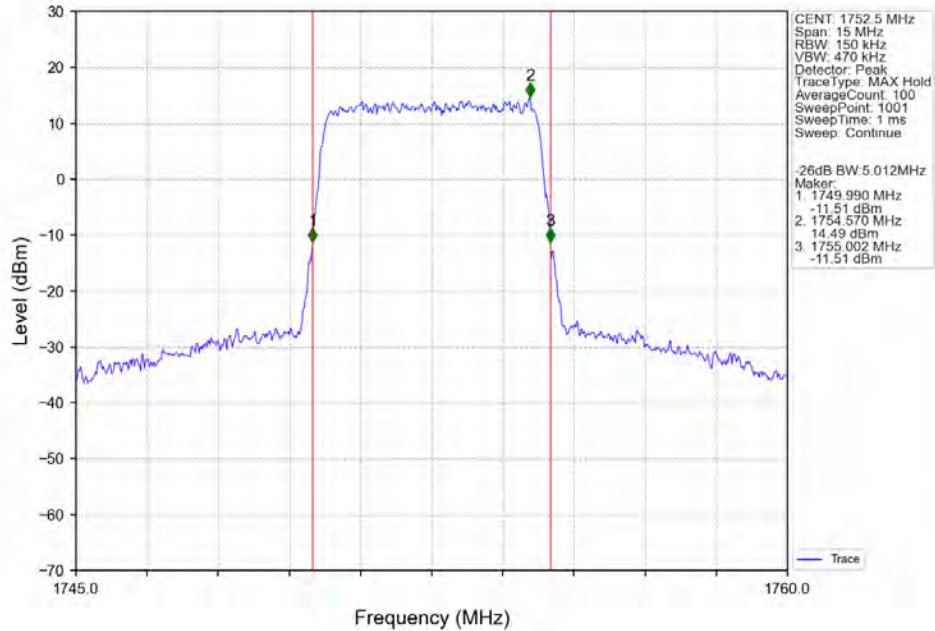
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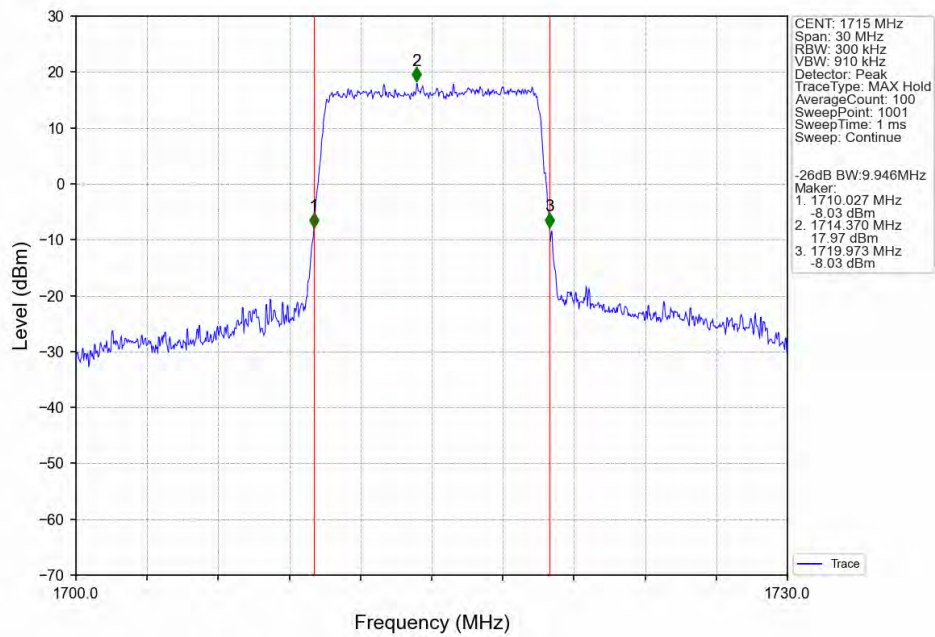
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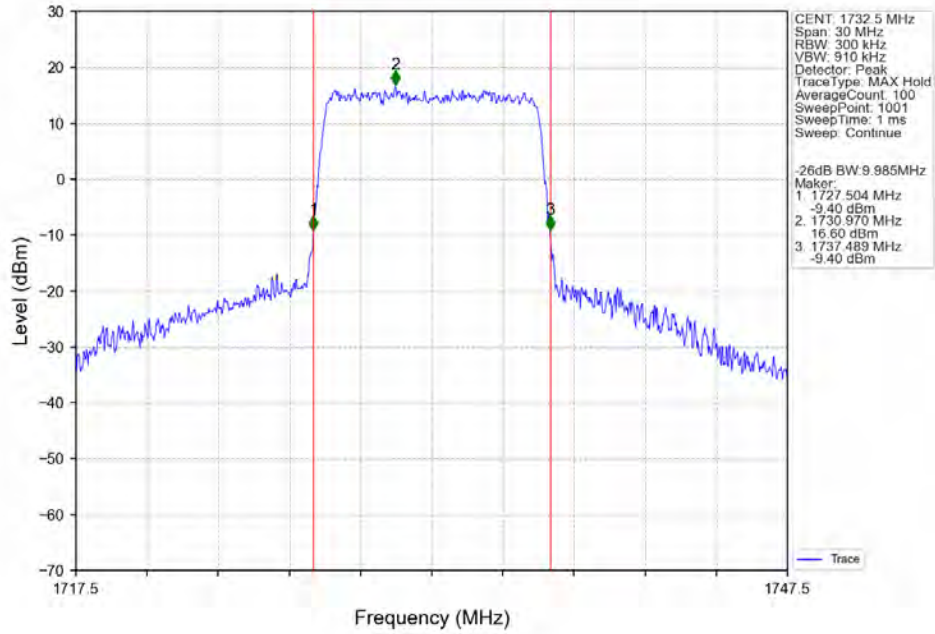
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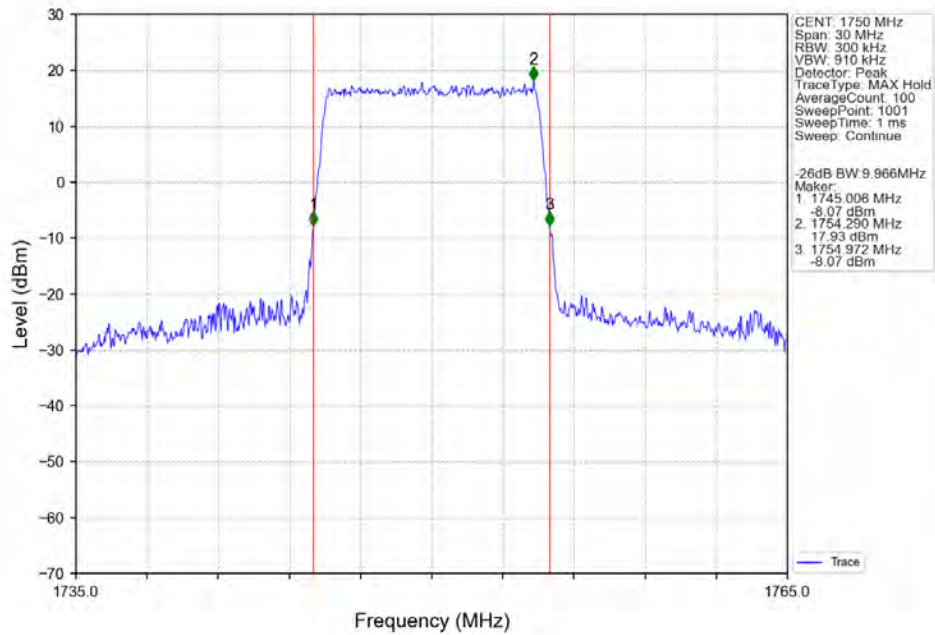
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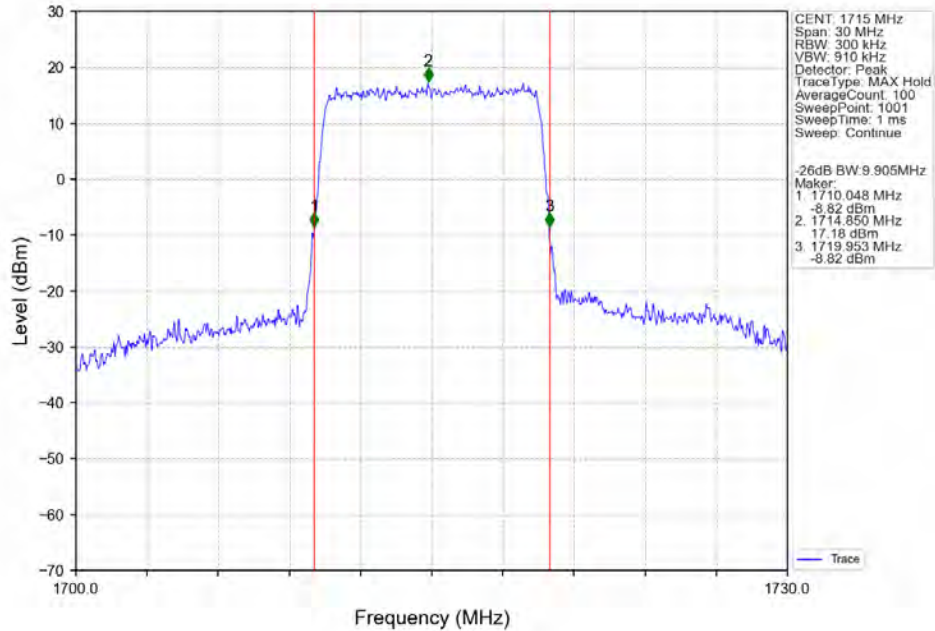
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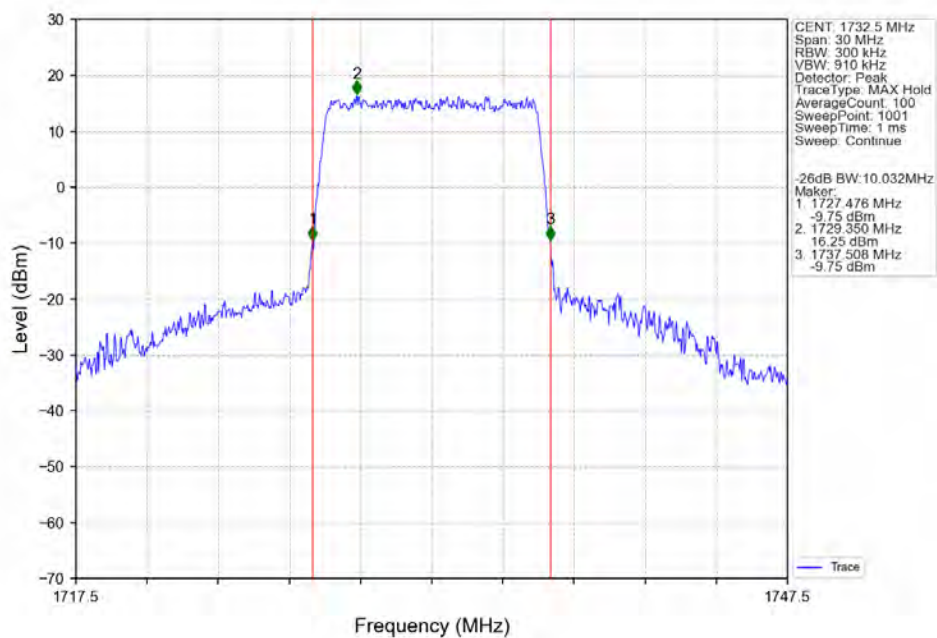
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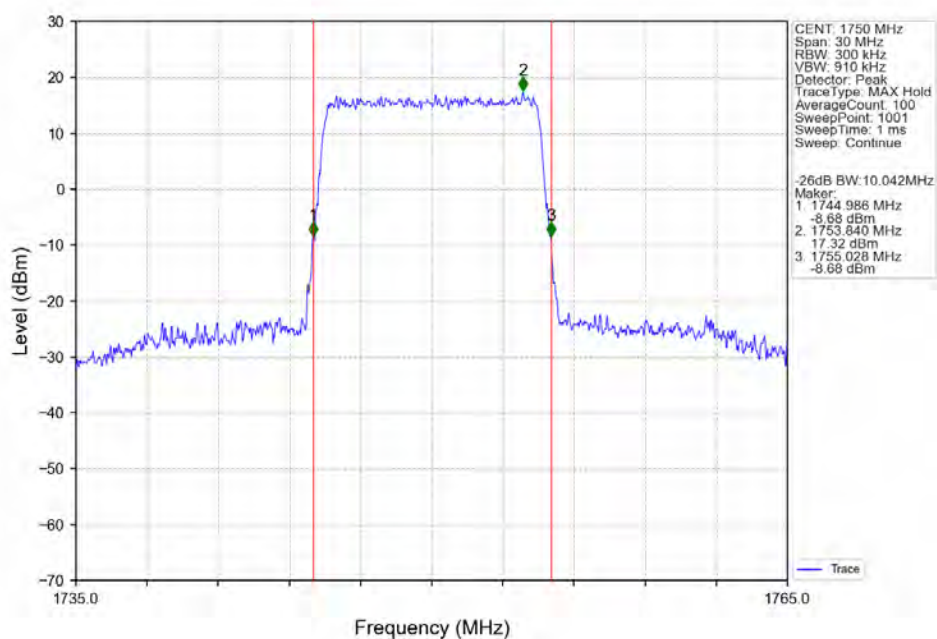
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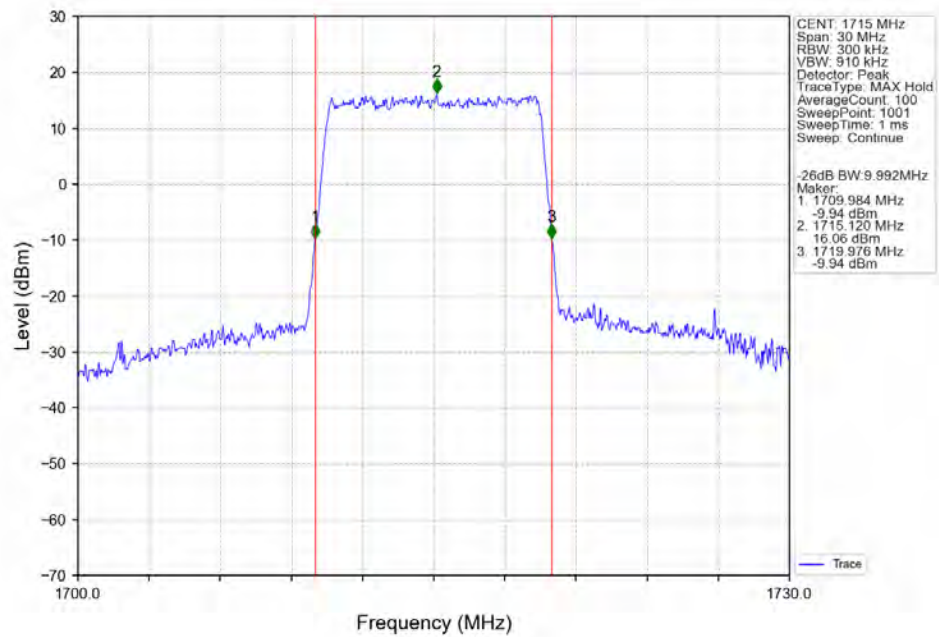
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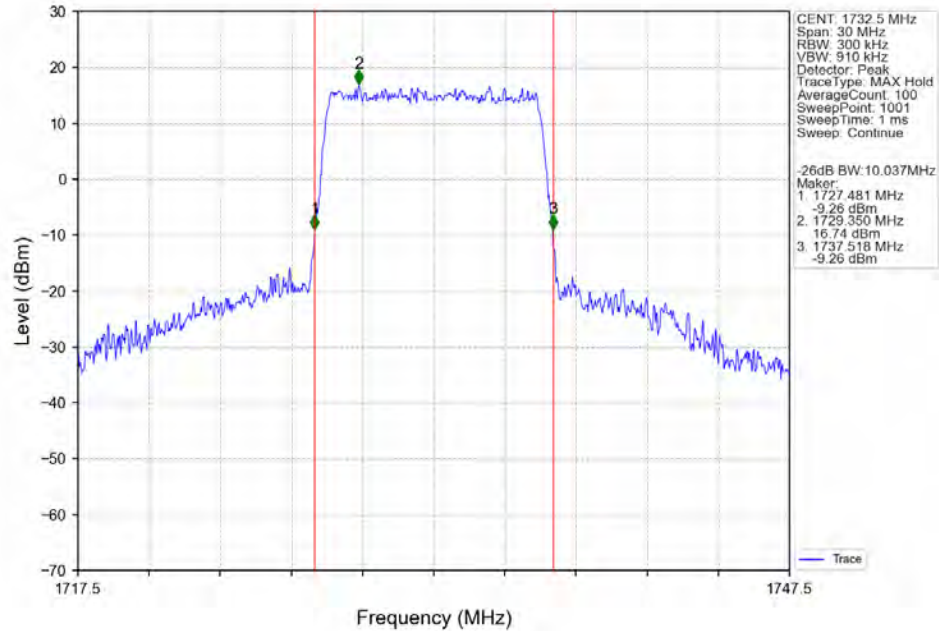
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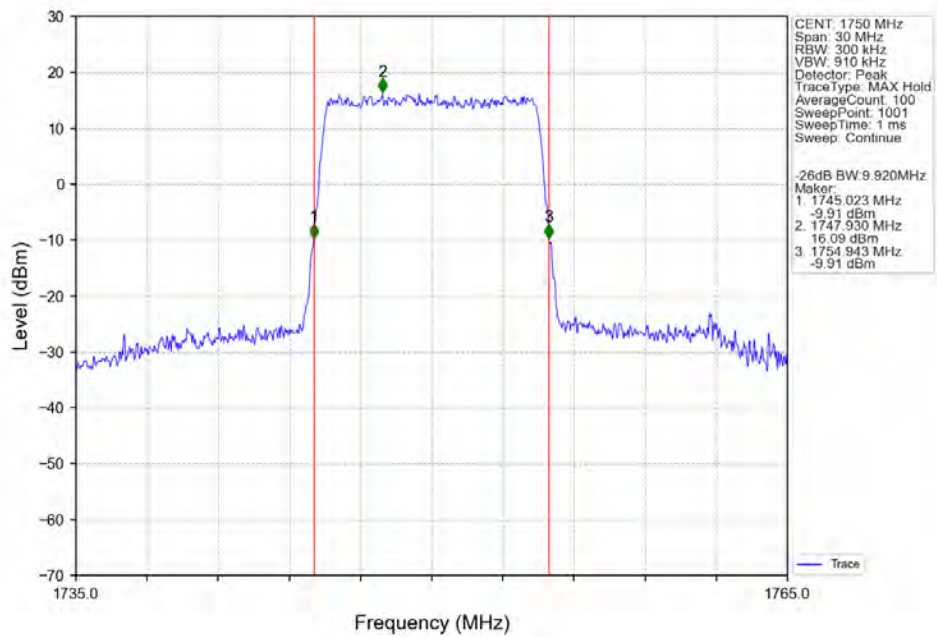
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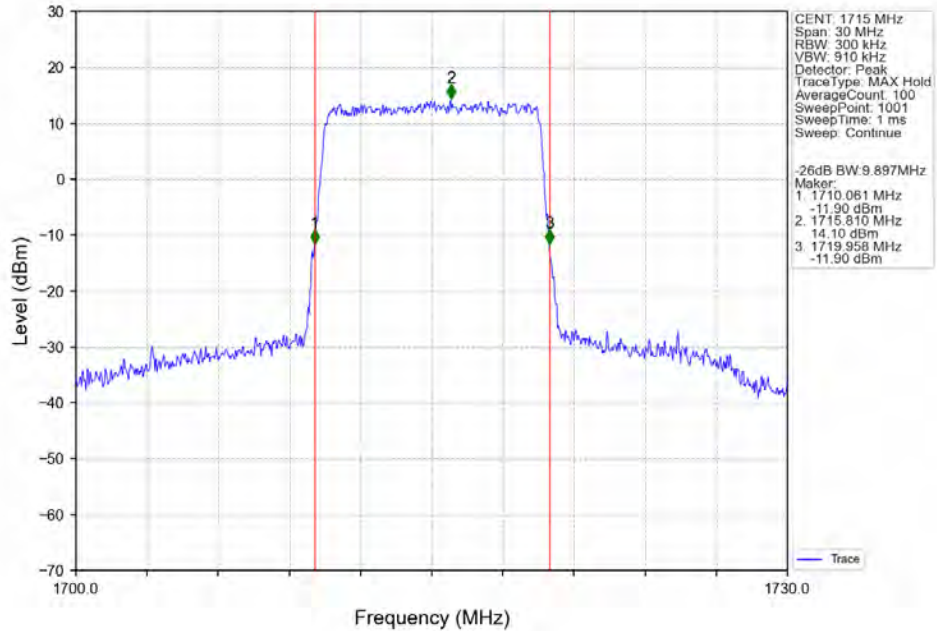
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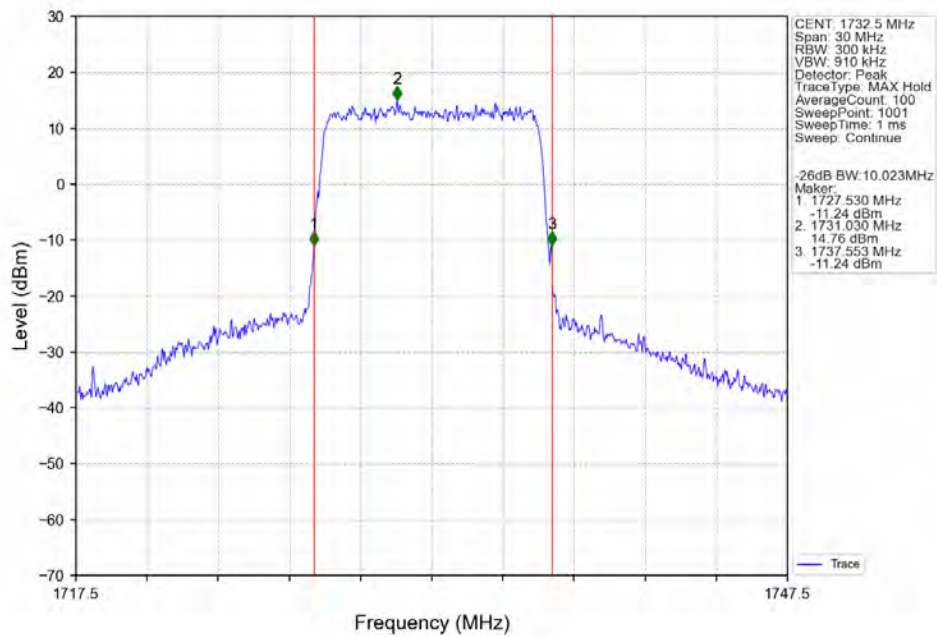
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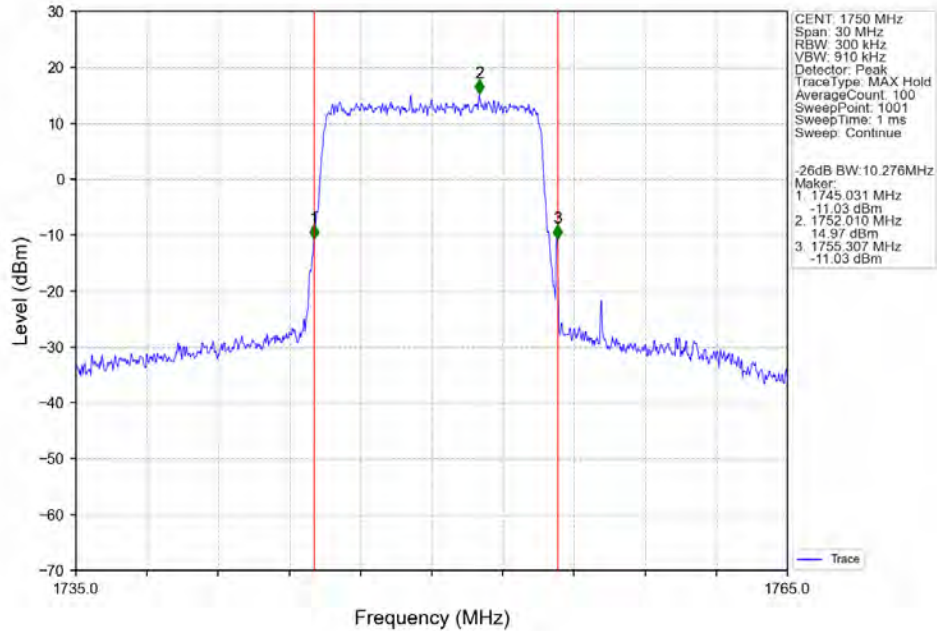
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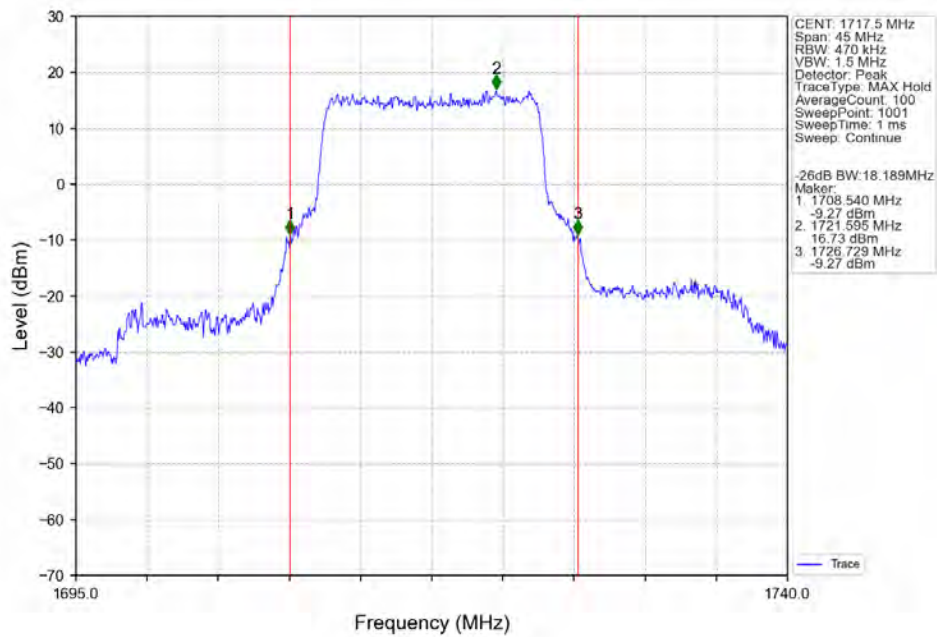
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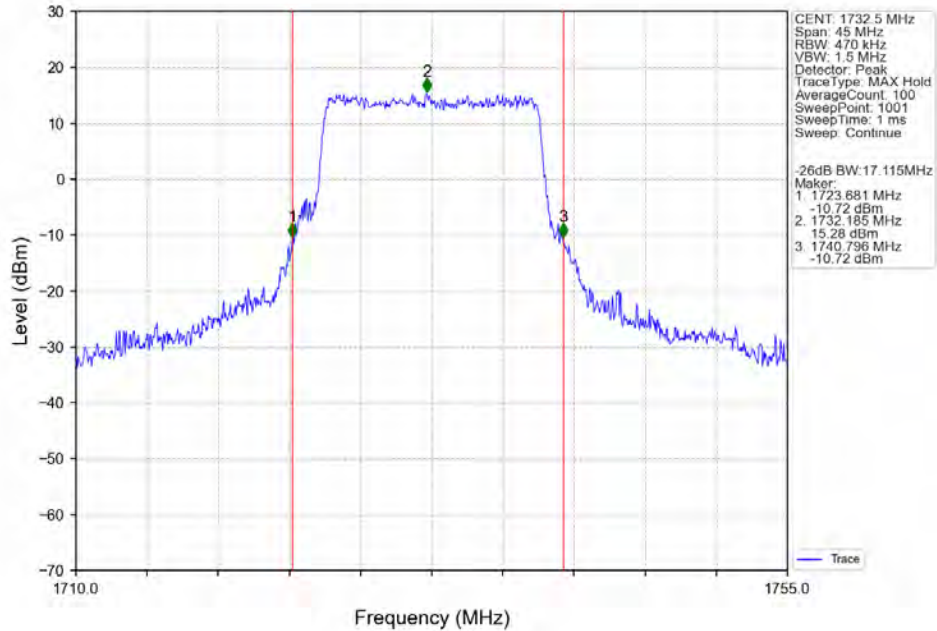
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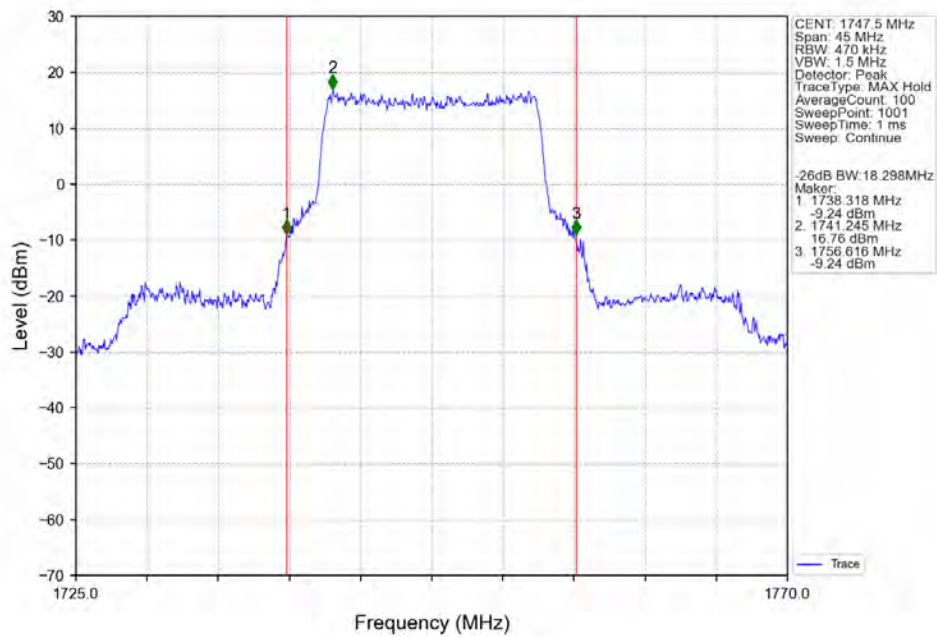
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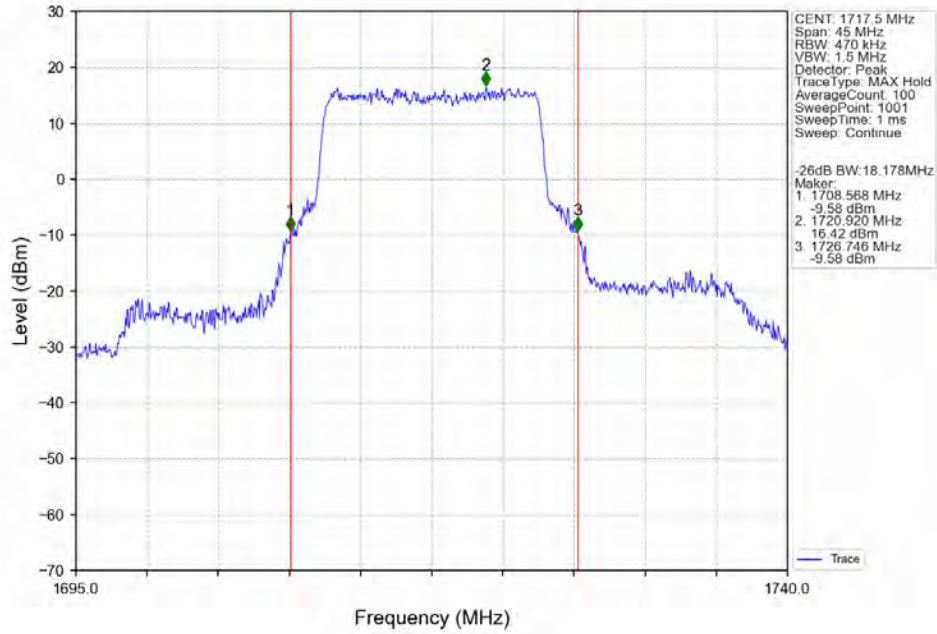
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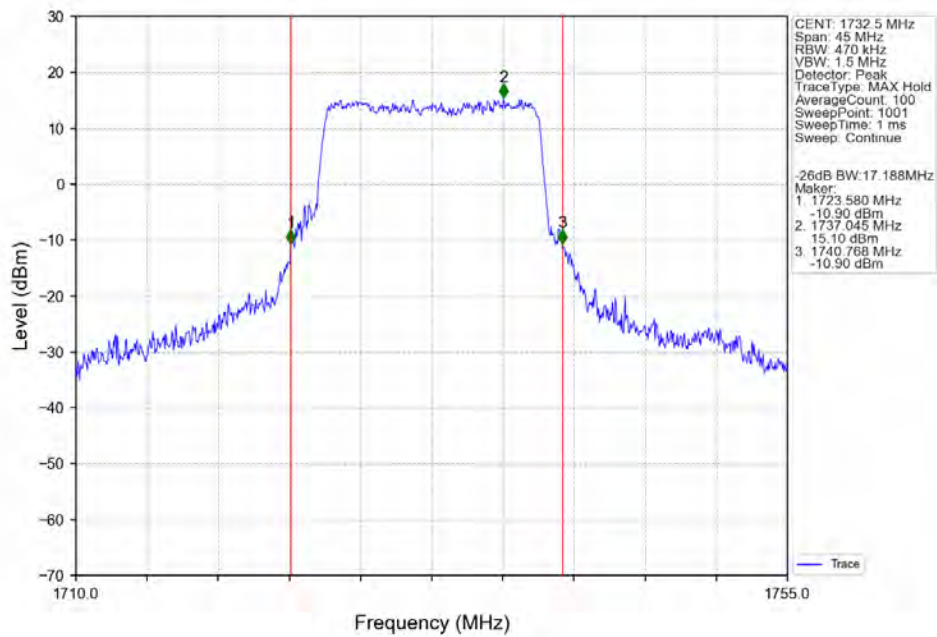
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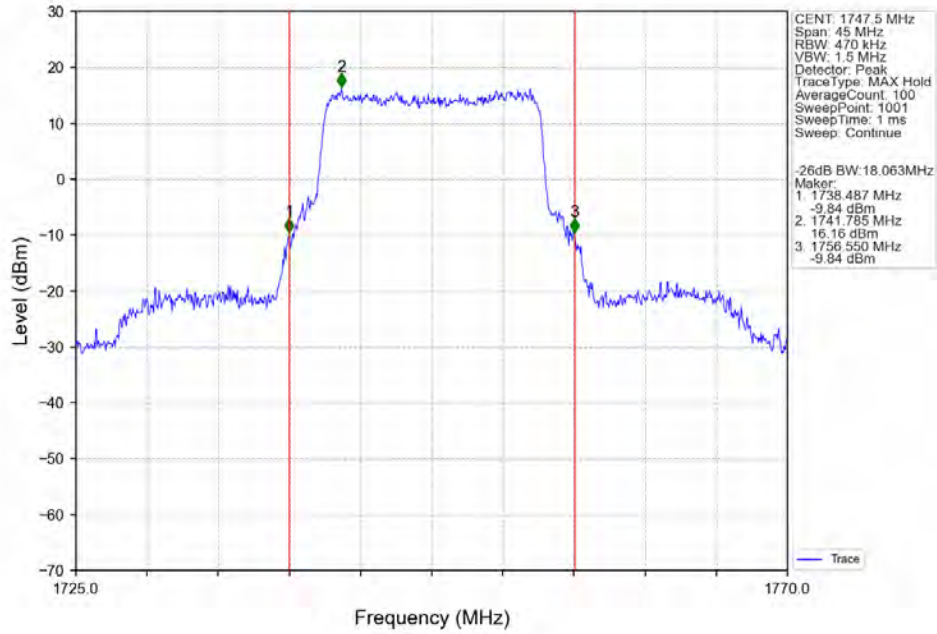
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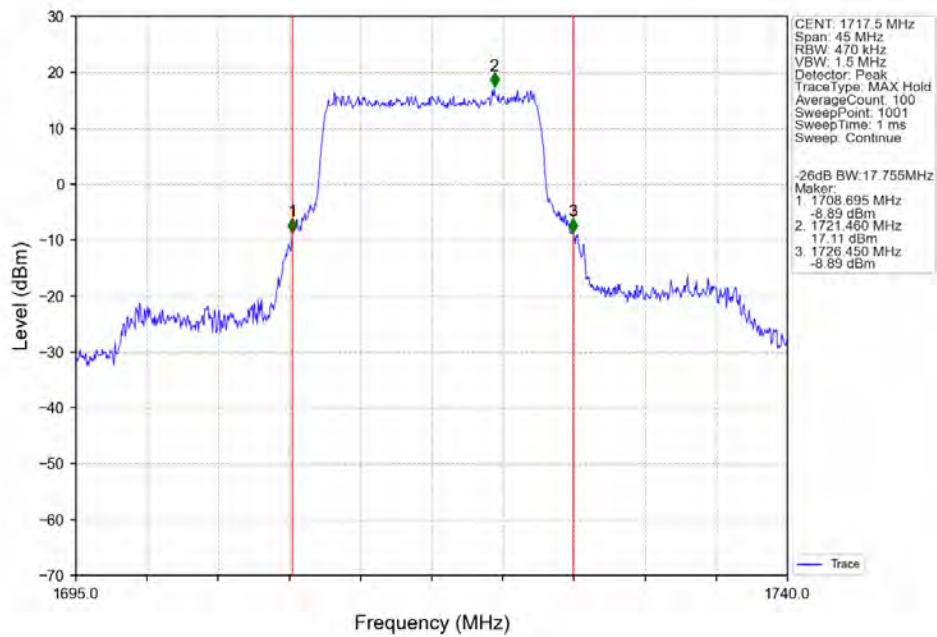
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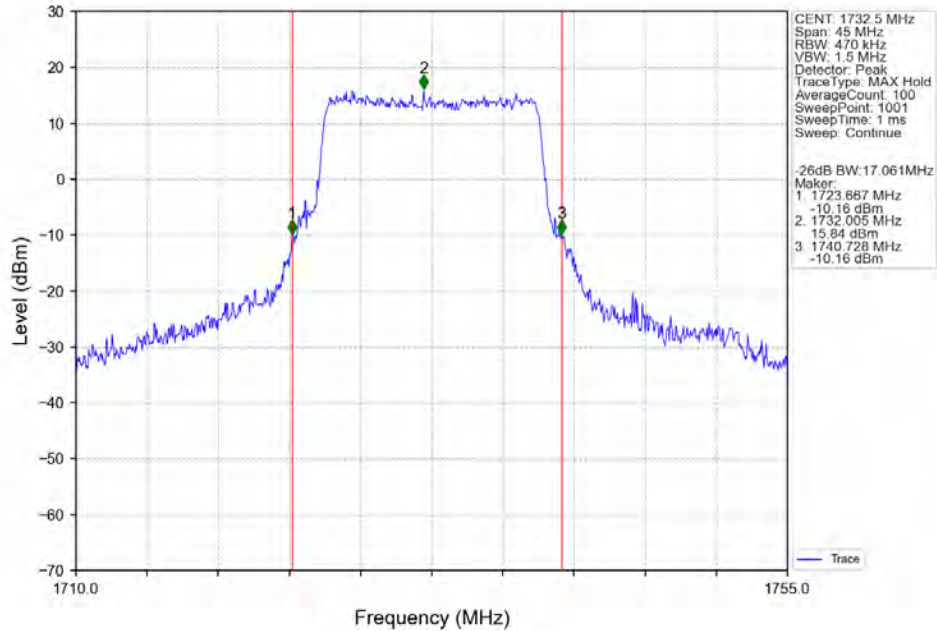
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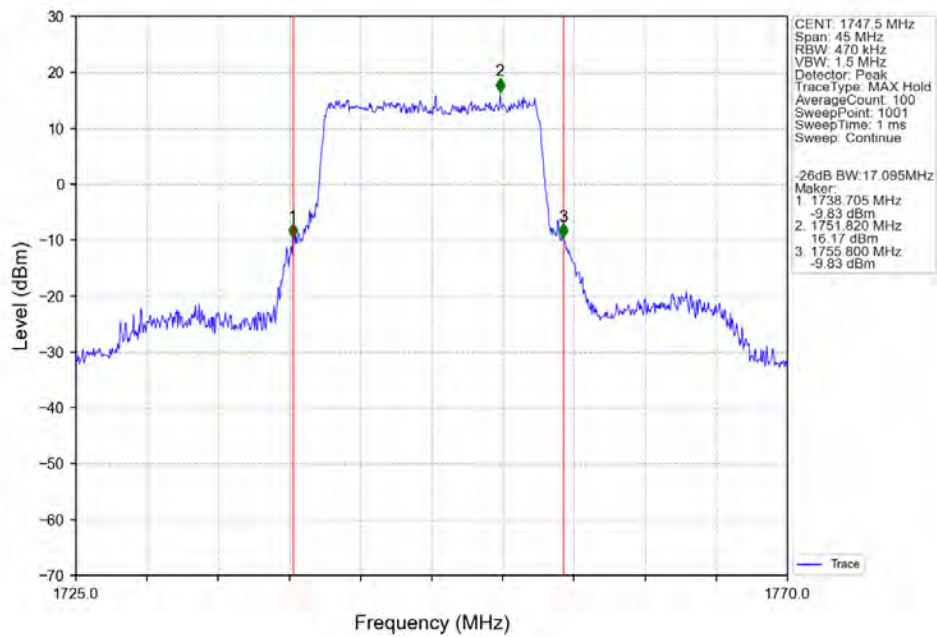
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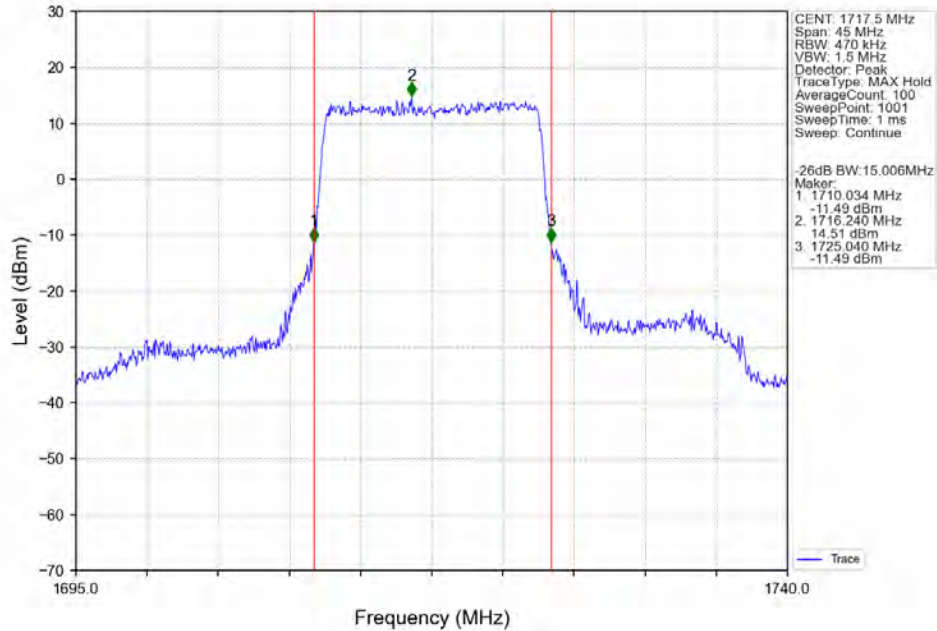
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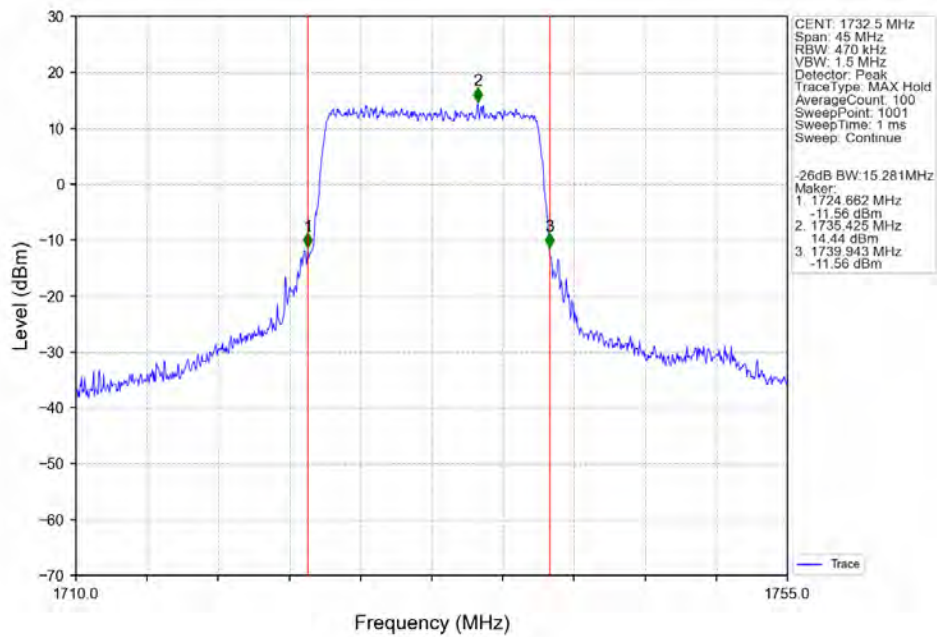
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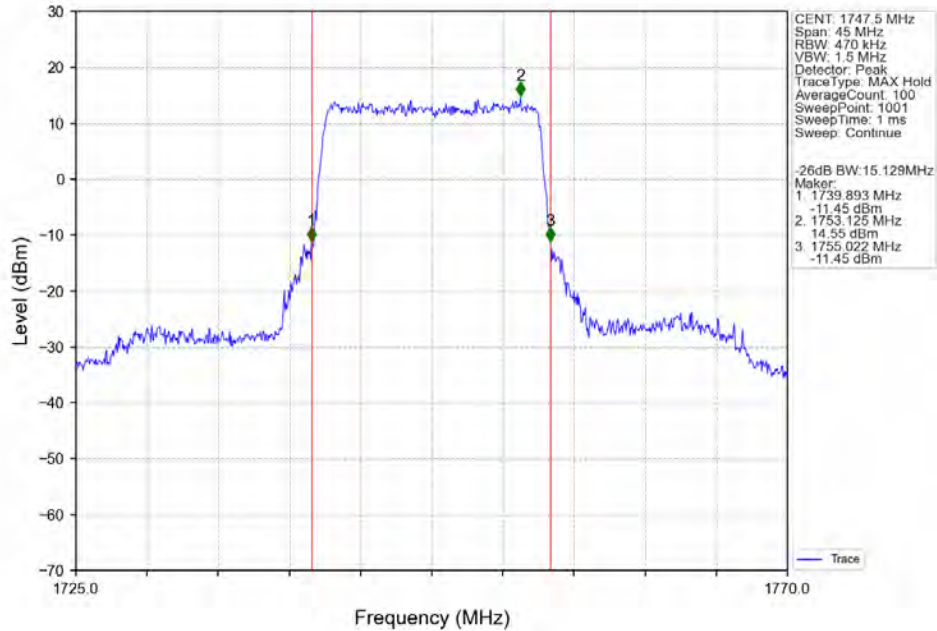
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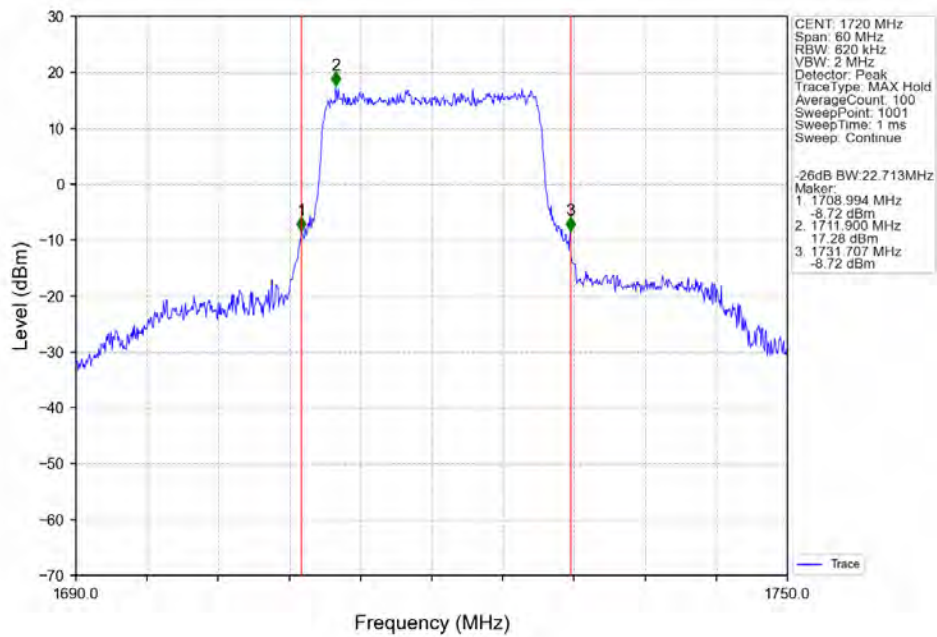
Band4_15MHz_256QAM_MCH_1732.5MHz_RB_75_0_NTNV



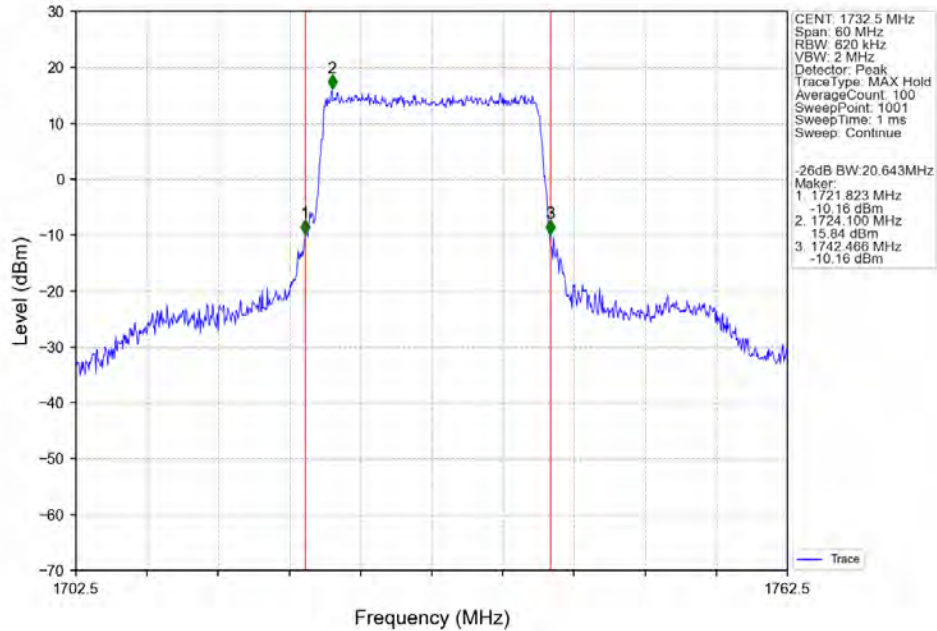
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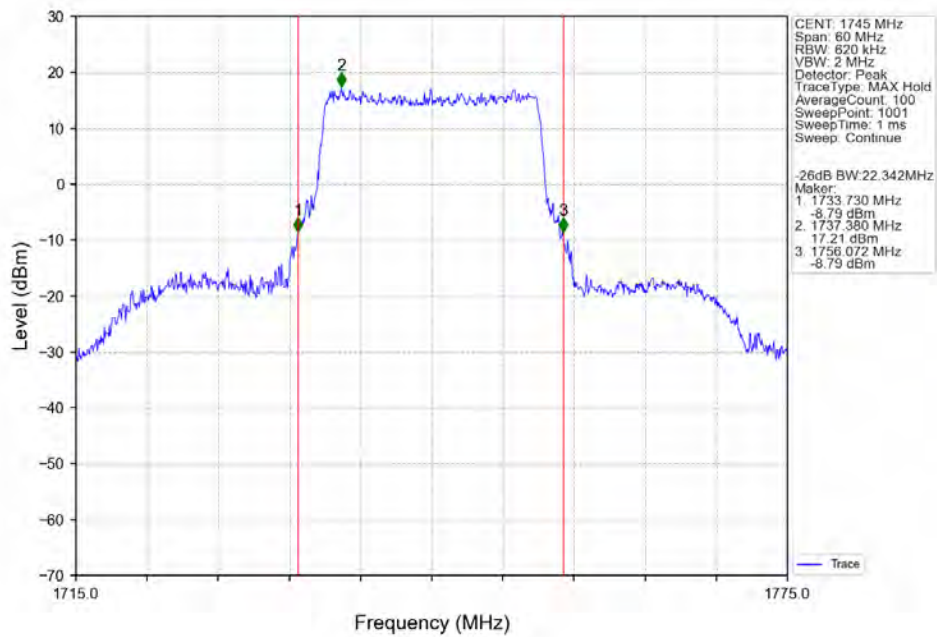
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



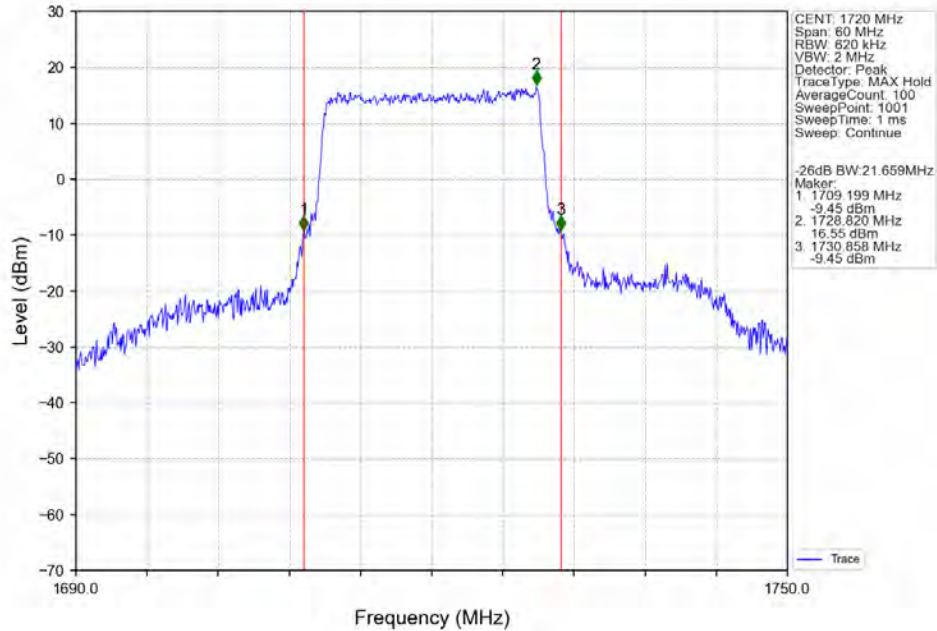
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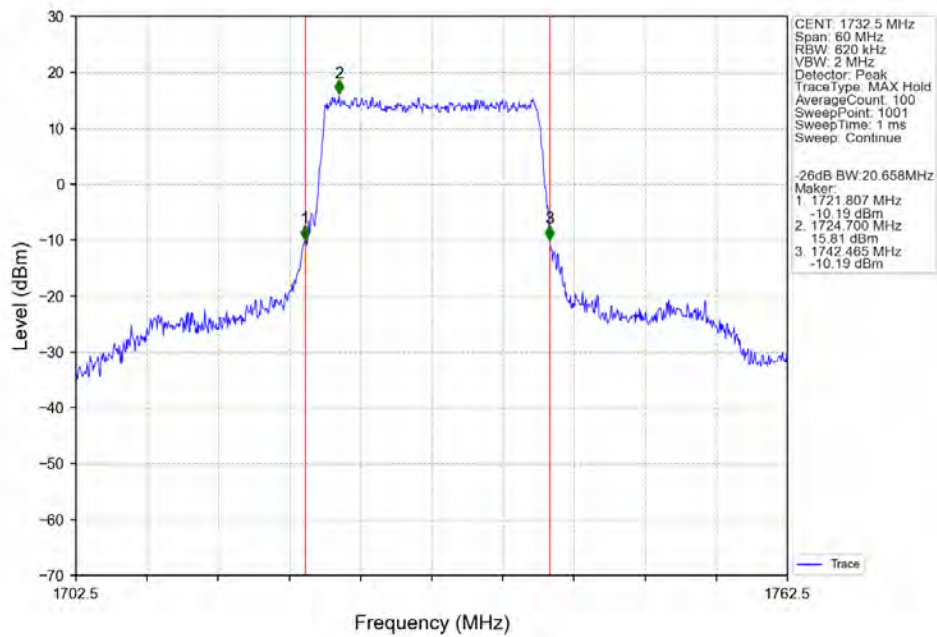
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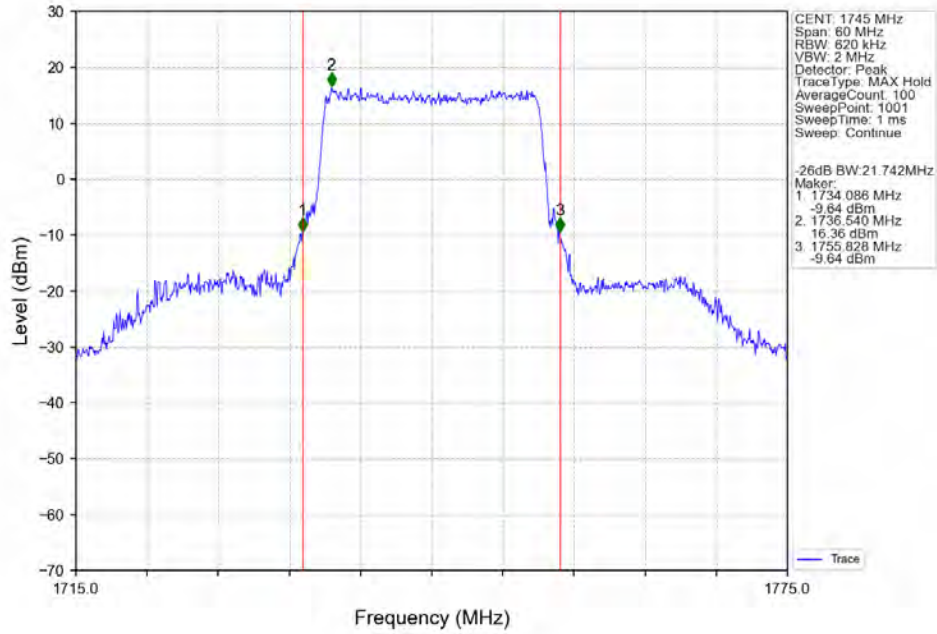
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



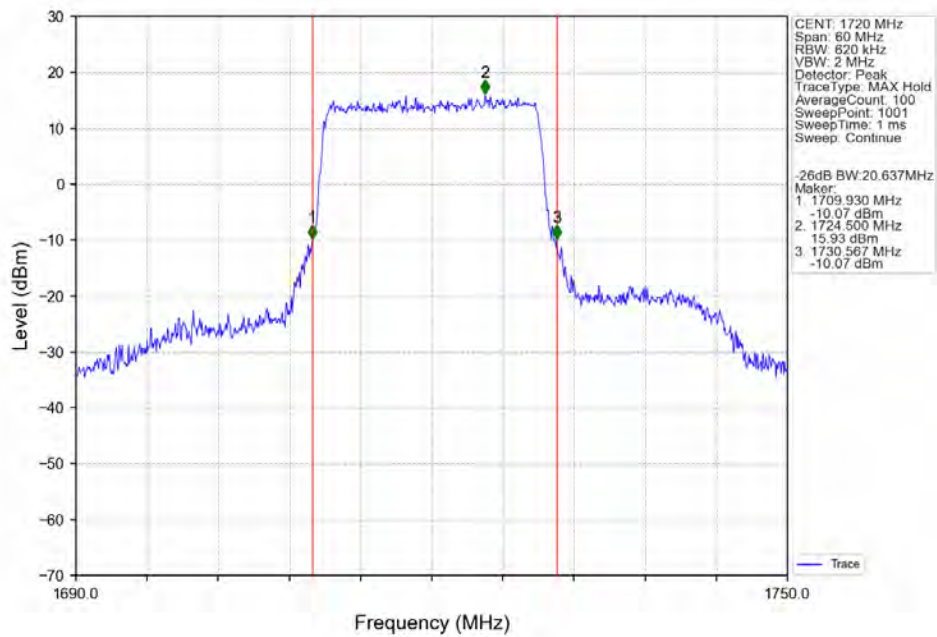
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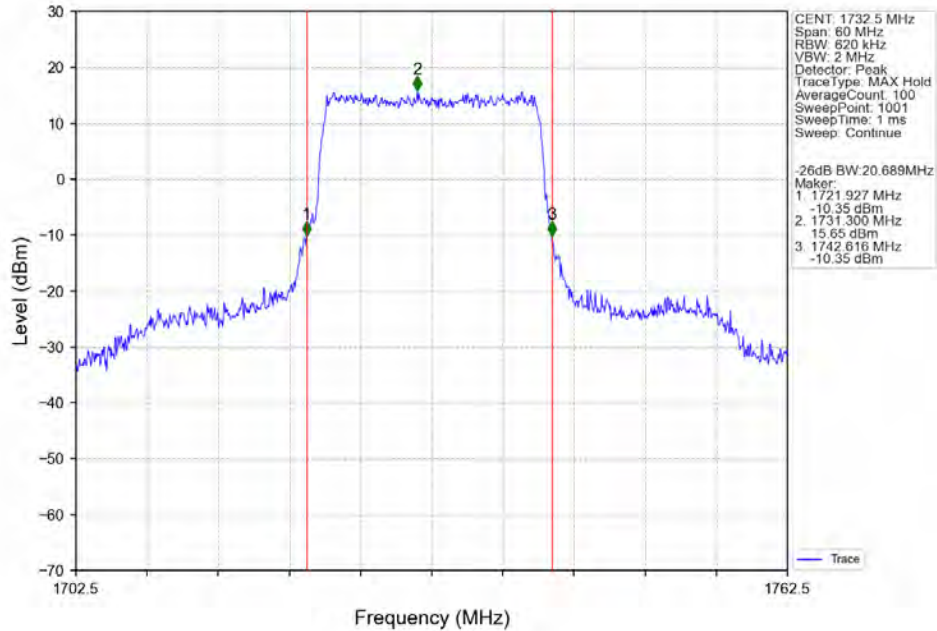
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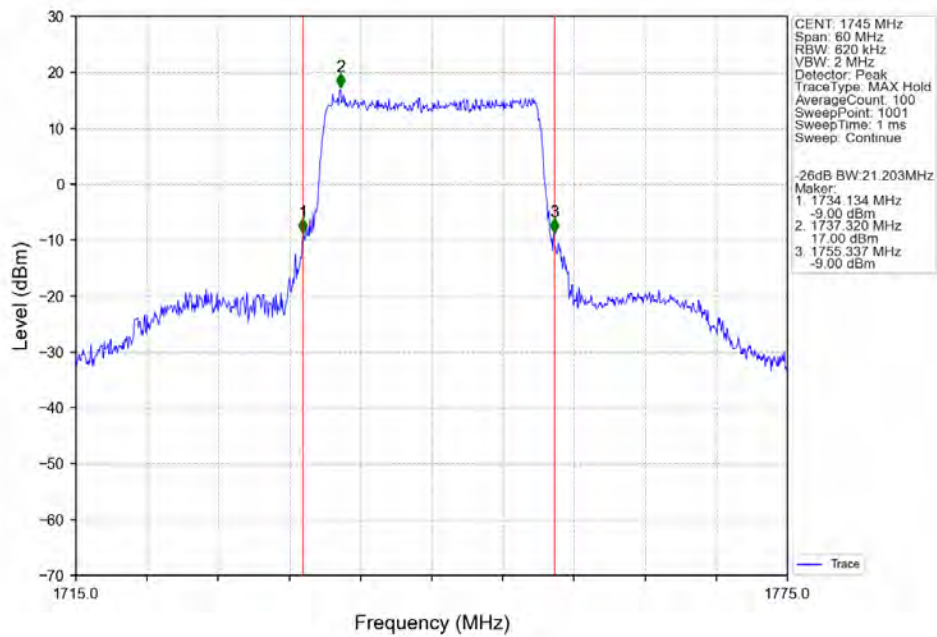
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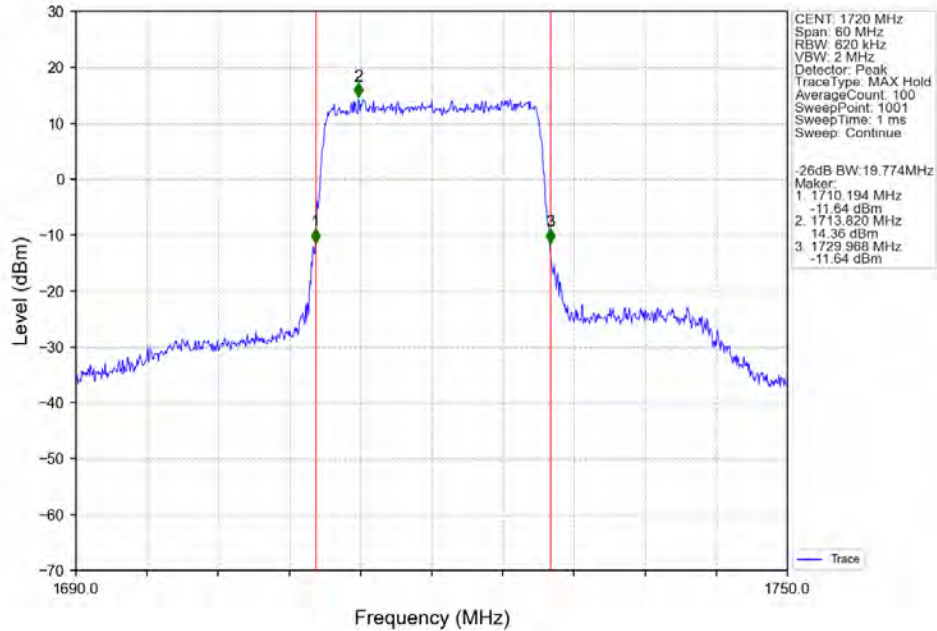
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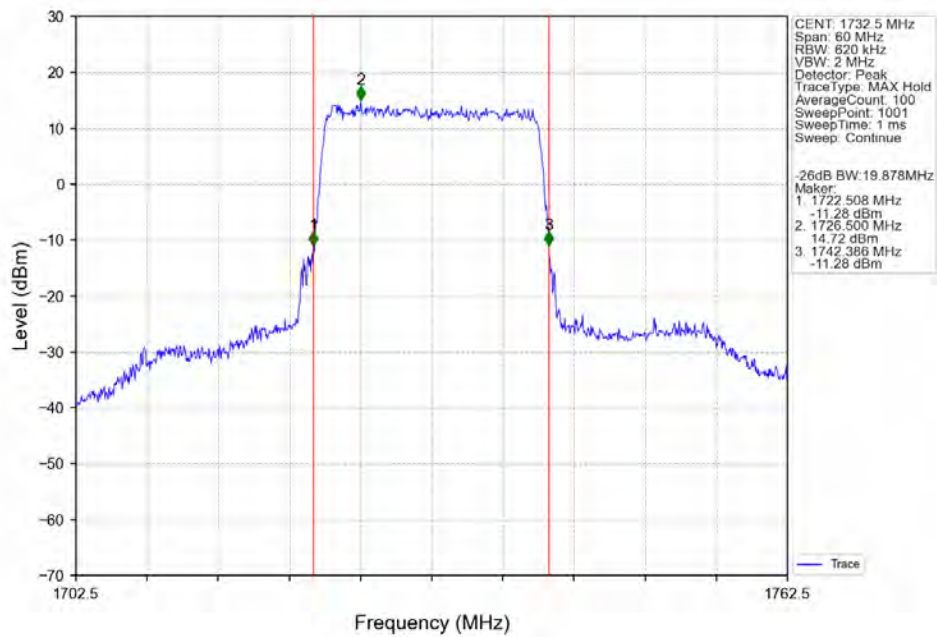
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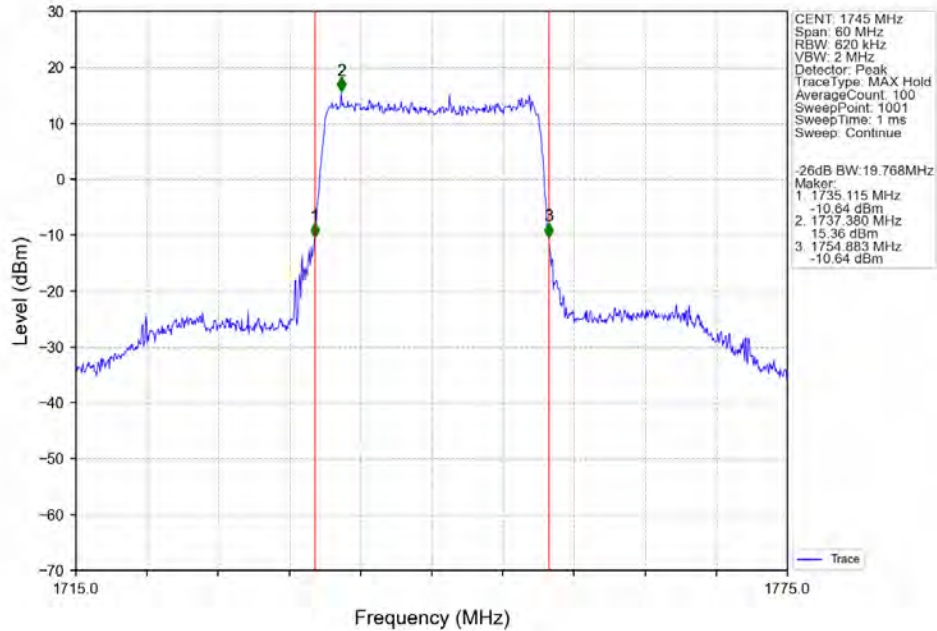
Band4_20MHz_256QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_256QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_256QAM_HCH_1745MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	1.74	<=13	Pass
	1732.5	6	0	2.47	<=13	Pass
	1754.3	6	0	1.72	<=13	Pass
16QAM	1710.7	6	0	2.23	<=13	Pass
	1732.5	6	0	2.48	<=13	Pass
	1754.3	6	0	2.17	<=13	Pass
64QAM	1710.7	6	0	2.59	<=13	Pass
	1732.5	6	0	2.48	<=13	Pass
	1754.3	6	0	2.51	<=13	Pass
256QAM	1710.7	6	0	3.37	<=13	Pass
	1732.5	6	0	3.29	<=13	Pass
	1754.3	6	0	3.32	<=13	Pass

4.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	2.34	<=13	Pass
	1732.5	15	0	2.95	<=13	Pass
	1753.5	15	0	2.36	<=13	Pass
16QAM	1711.5	15	0	2.34	<=13	Pass
	1732.5	15	0	2.95	<=13	Pass
	1753.5	15	0	2.78	<=13	Pass
64QAM	1711.5	15	0	2.35	<=13	Pass
	1732.5	15	0	2.95	<=13	Pass
	1753.5	15	0	3.02	<=13	Pass
256QAM	1711.5	15	0	3.60	<=13	Pass
	1732.5	15	0	3.52	<=13	Pass
	1753.5	15	0	3.57	<=13	Pass

4.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	3.03	<=13	Pass
	1732.5	25	0	3.65	<=13	Pass
	1752.5	25	0	3.03	<=13	Pass
16QAM	1712.5	25	0	3.53	<=13	Pass
	1732.5	25	0	3.65	<=13	Pass
	1752.5	25	0	3.51	<=13	Pass

64QAM	1712.5	25	0	3.71	<=13	Pass
	1732.5	25	0	3.65	<=13	Pass
	1752.5	25	0	3.71	<=13	Pass
256QAM	1712.5	25	0	4.24	<=13	Pass
	1732.5	25	0	4.16	<=13	Pass
	1752.5	25	0	4.21	<=13	Pass

4.1.4 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	3.86	<=13	Pass
	1732.5	50	0	4.23	<=13	Pass
	1750	50	0	3.87	<=13	Pass
16QAM	1715	50	0	4.18	<=13	Pass
	1732.5	50	0	4.24	<=13	Pass
	1750	50	0	4.18	<=13	Pass
64QAM	1715	50	0	4.32	<=13	Pass
	1732.5	50	0	4.22	<=13	Pass
	1750	50	0	4.29	<=13	Pass
256QAM	1715	50	0	4.69	<=13	Pass
	1732.5	50	0	4.56	<=13	Pass
	1750	50	0	4.61	<=13	Pass

4.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	3.94	<=13	Pass
	1732.5	75	0	4.30	<=13	Pass
	1747.5	75	0	3.96	<=13	Pass
16QAM	1717.5	75	0	4.32	<=13	Pass
	1732.5	75	0	4.30	<=13	Pass
	1747.5	75	0	4.33	<=13	Pass
64QAM	1717.5	75	0	4.46	<=13	Pass
	1732.5	75	0	4.29	<=13	Pass
	1747.5	75	0	4.44	<=13	Pass
256QAM	1717.5	75	0	4.77	<=13	Pass
	1732.5	75	0	4.62	<=13	Pass
	1747.5	75	0	4.74	<=13	Pass

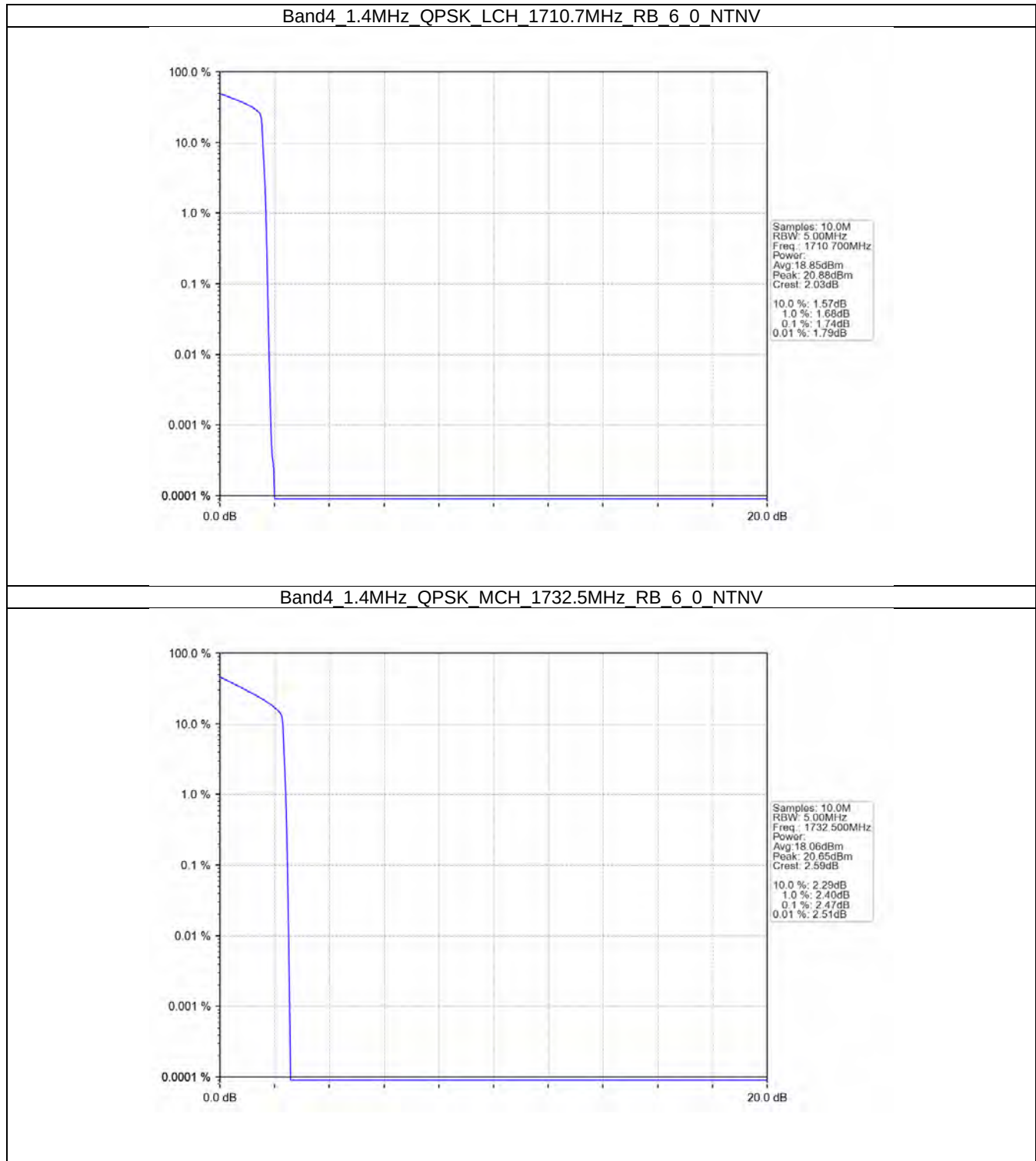
4.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	4.37	<=13	Pass
	1732.5	100	0	4.51	<=13	Pass
	1745	100	0	4.41	<=13	Pass
16QAM	1720	100	0	4.56	<=13	Pass
	1732.5	100	0	4.51	<=13	Pass

	1745	100	0	4.57	<=13	Pass
64QAM	1720	100	0	4.62	<=13	Pass
	1732.5	100	0	4.51	<=13	Pass
	1745	100	0	4.62	<=13	Pass
	1720	100	0	4.77	<=13	Pass
256QAM	1732.5	100	0	4.67	<=13	Pass
	1745	100	0	4.72	<=13	Pass

4.2 Test Graph

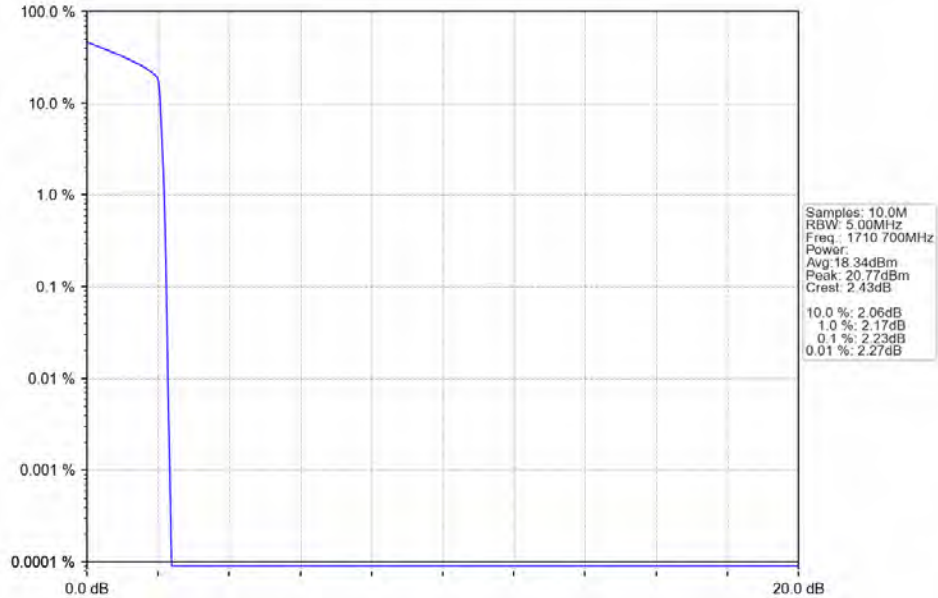
4.2.1 B4_1.4MHz



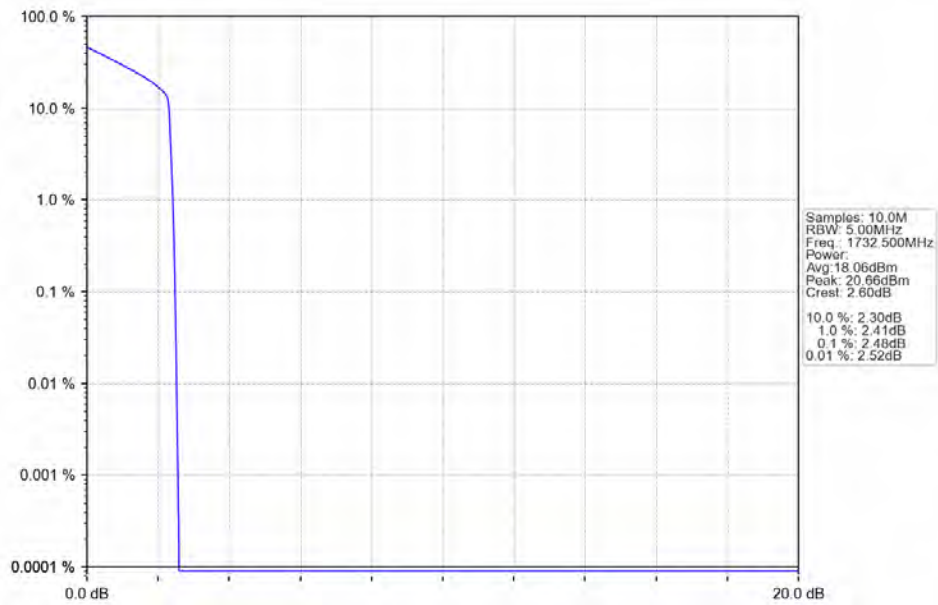
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Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



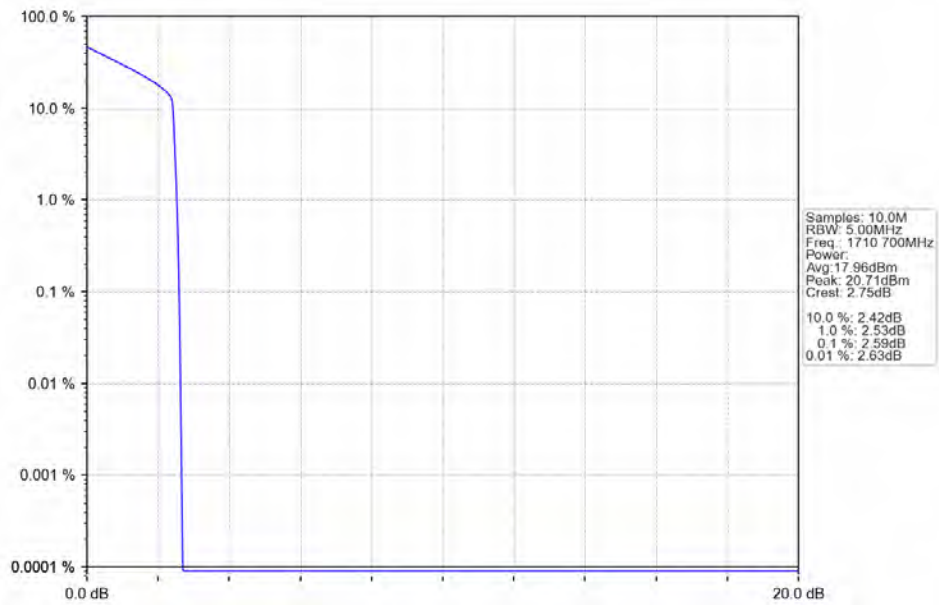
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



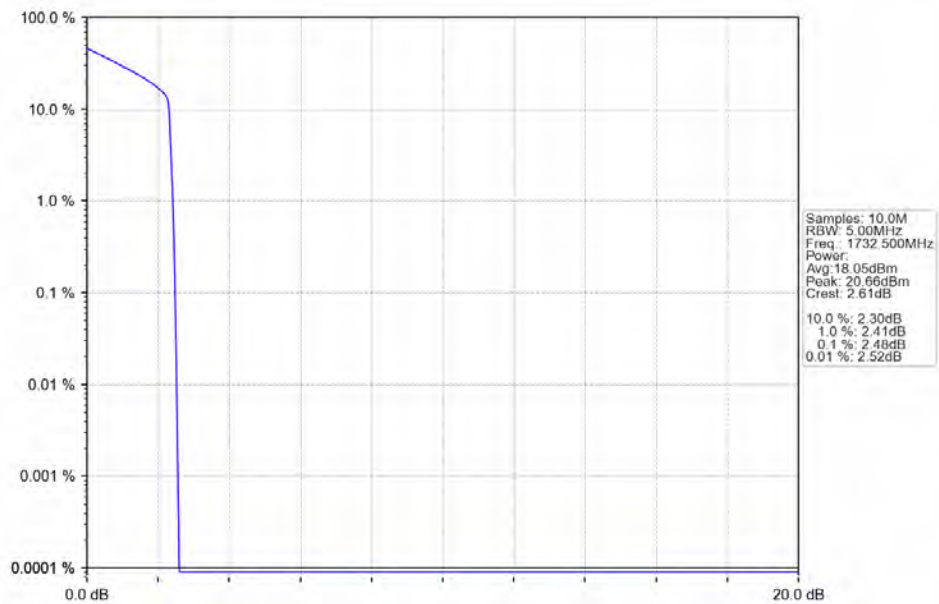
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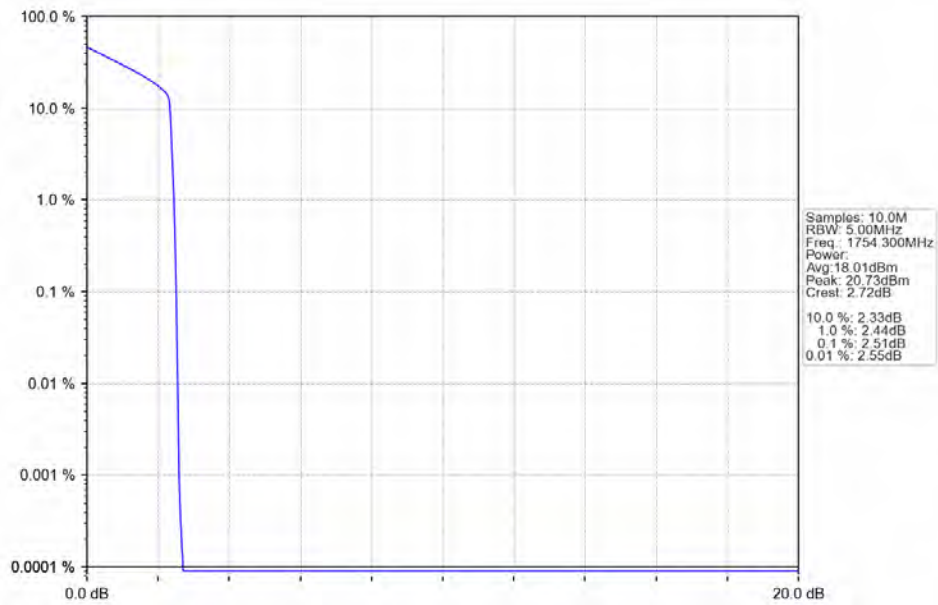
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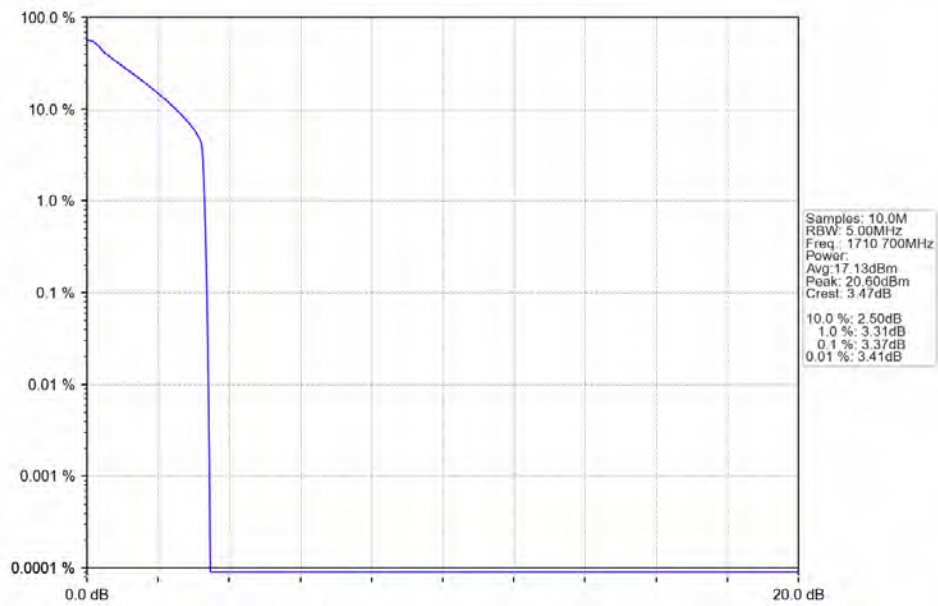
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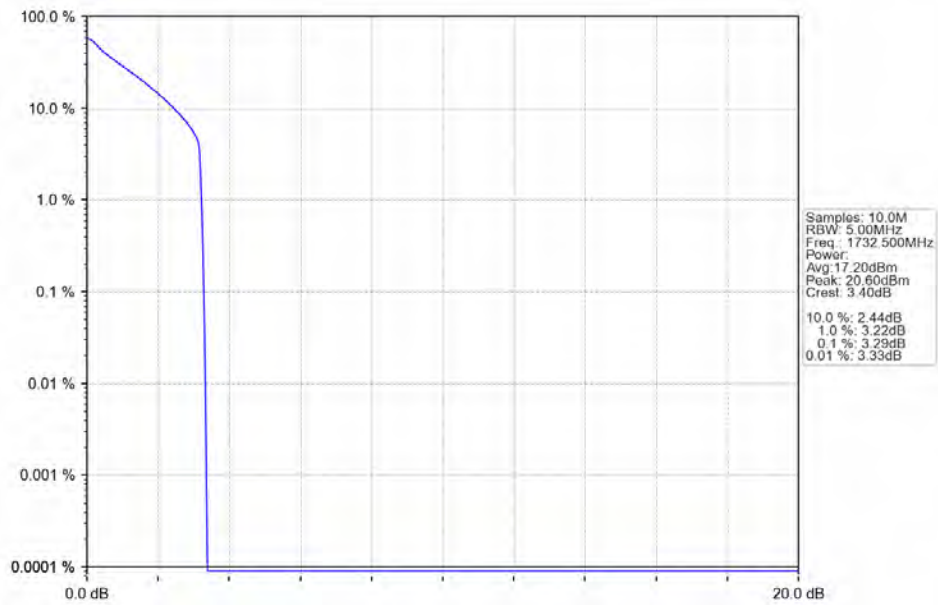
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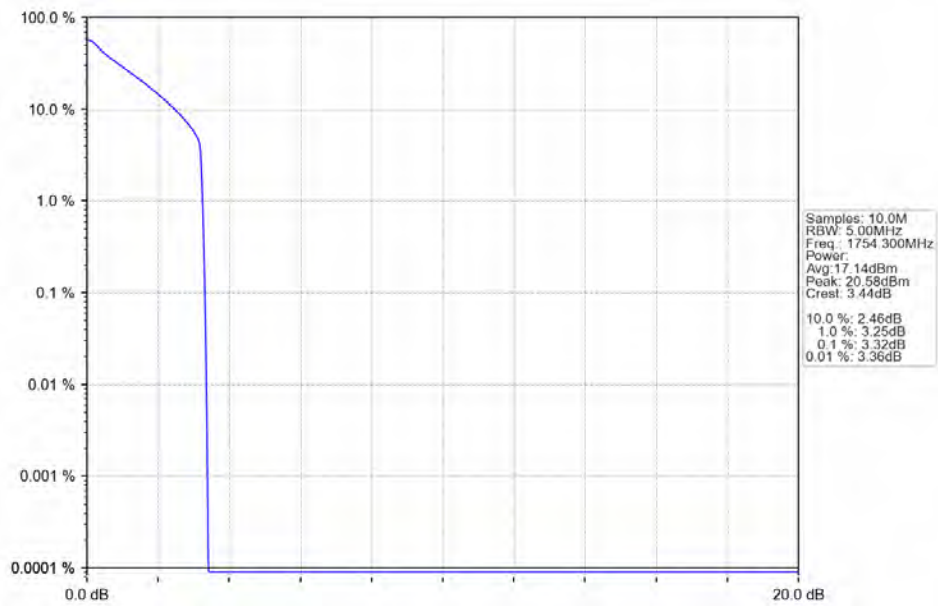
Band4_1.4MHz_256QAM_LCH_1710.7MHz_RB_6_0_NTNV



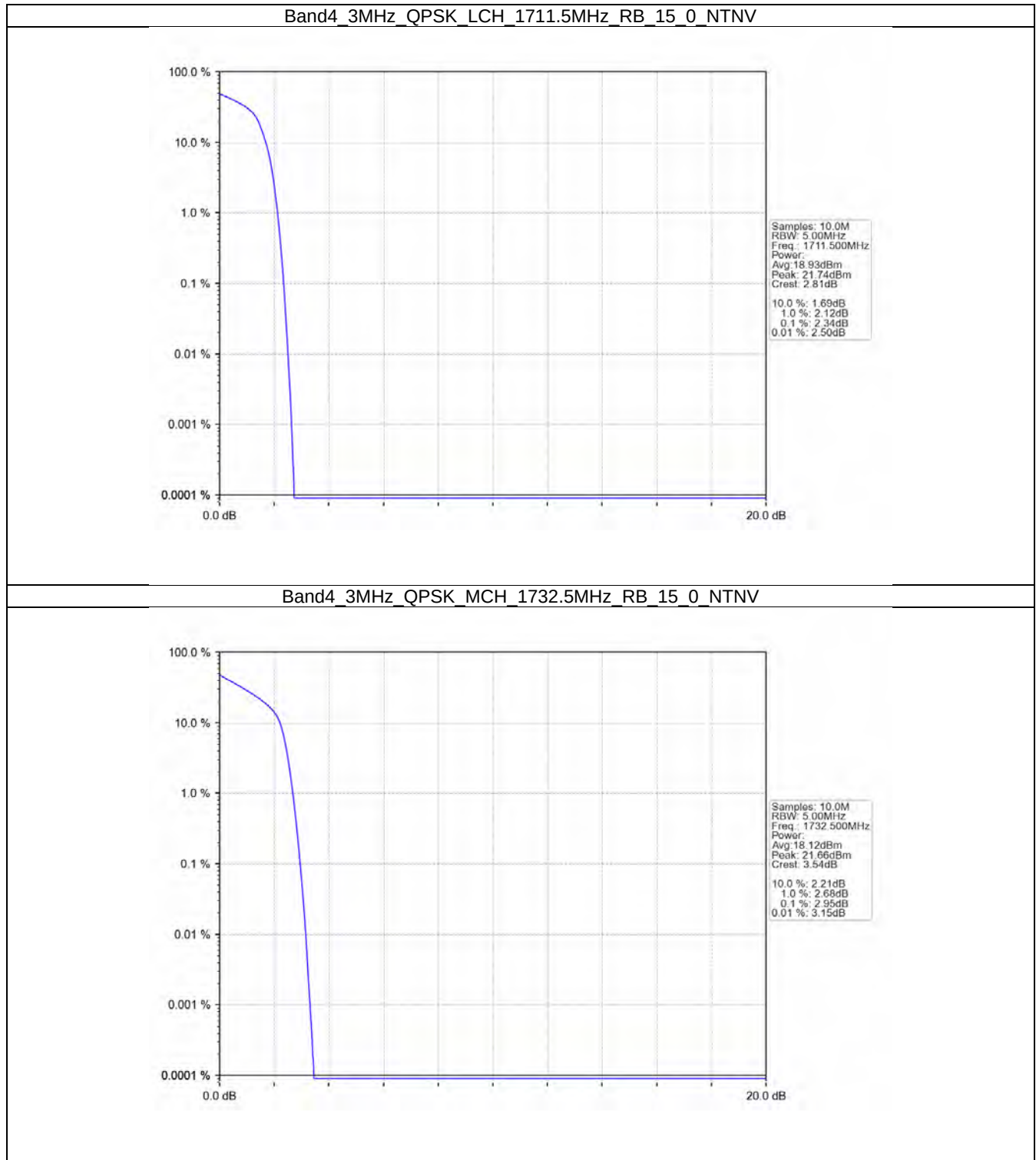
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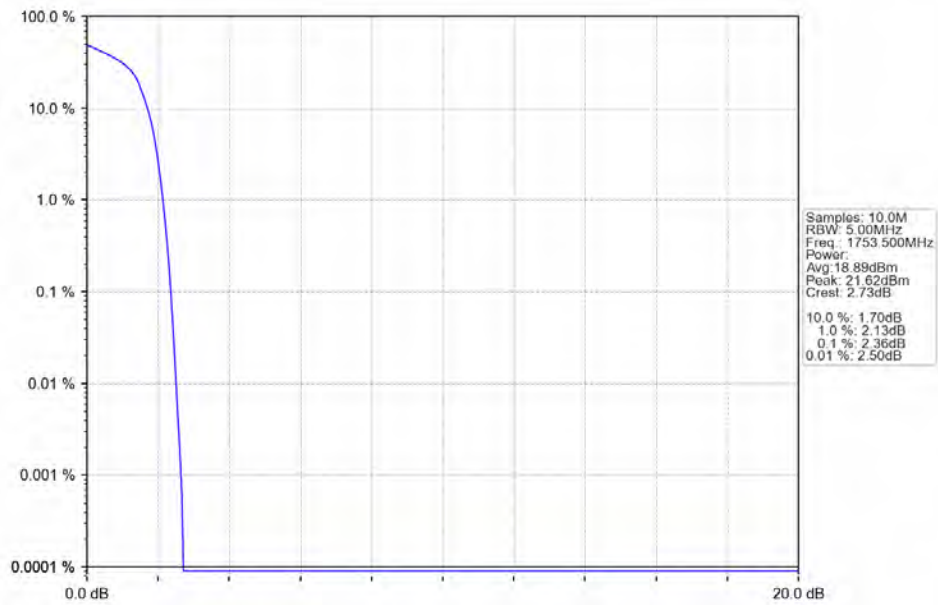
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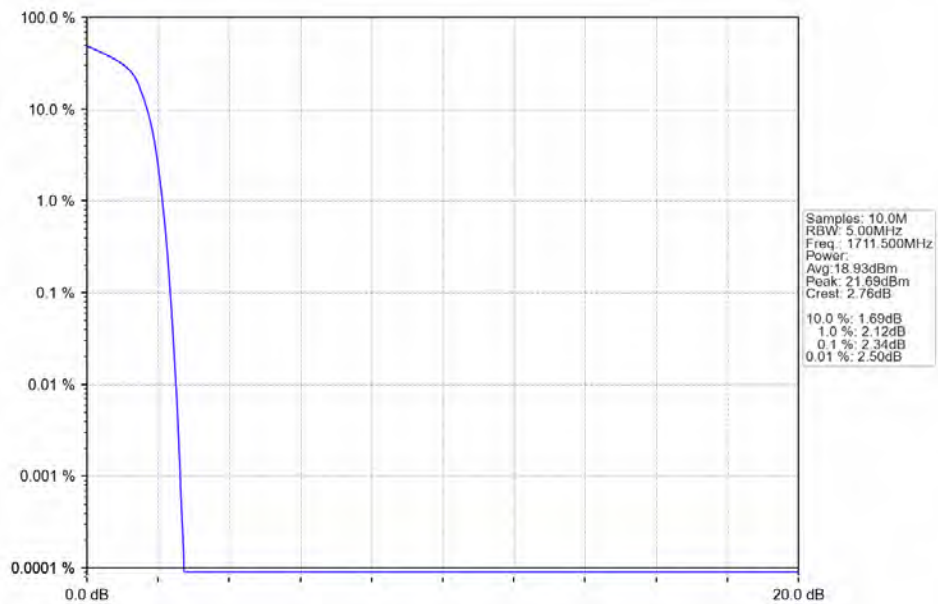
4.2.2 B4_3MHz



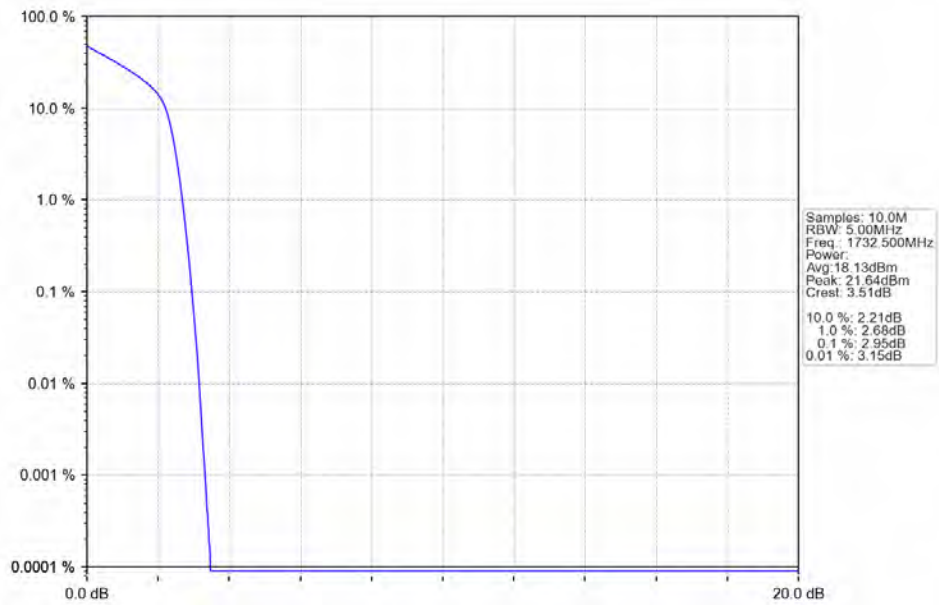
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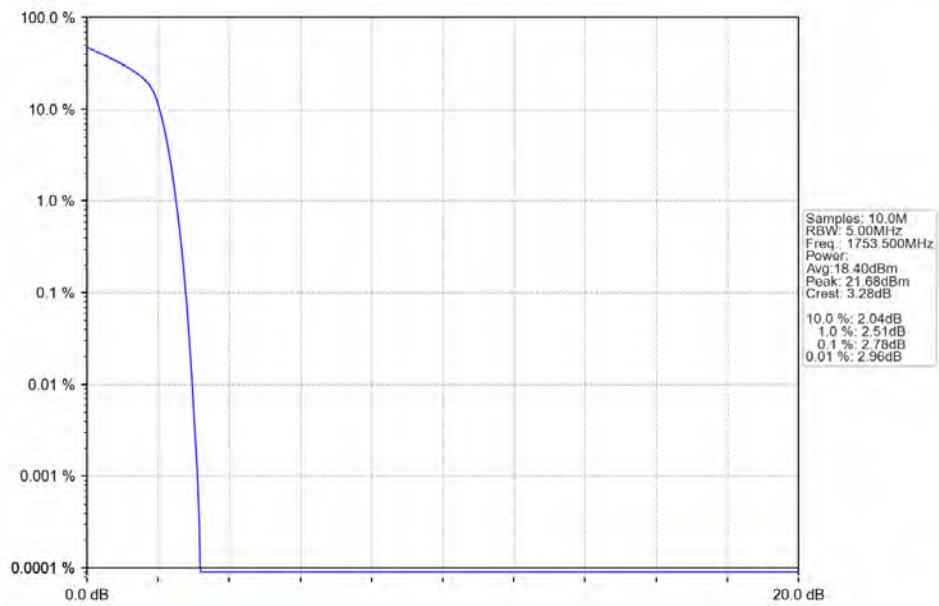
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



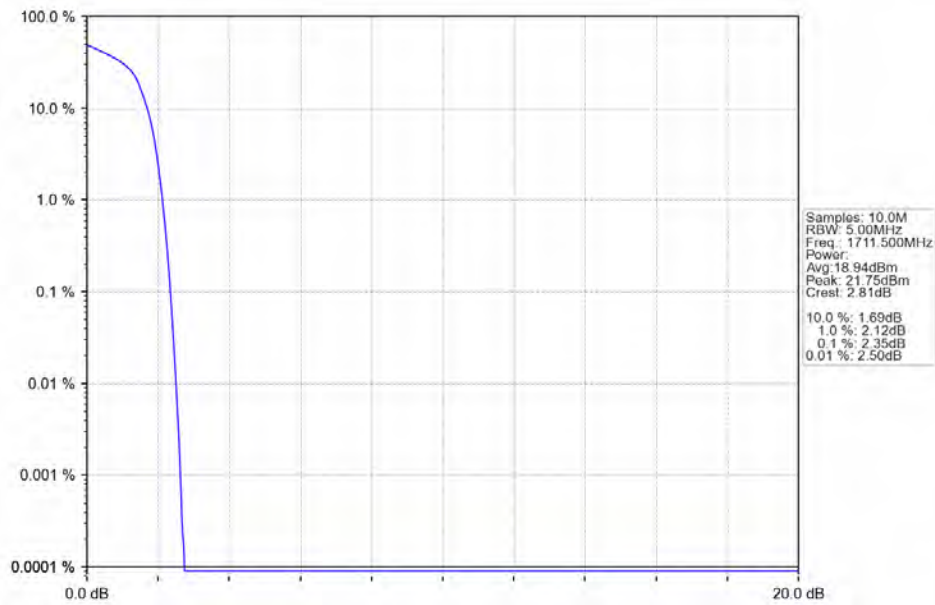
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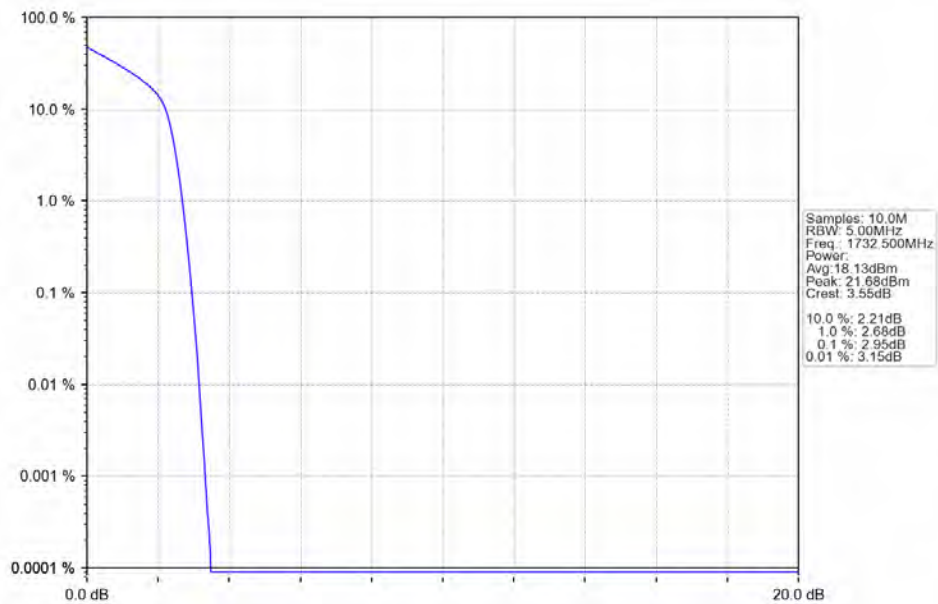
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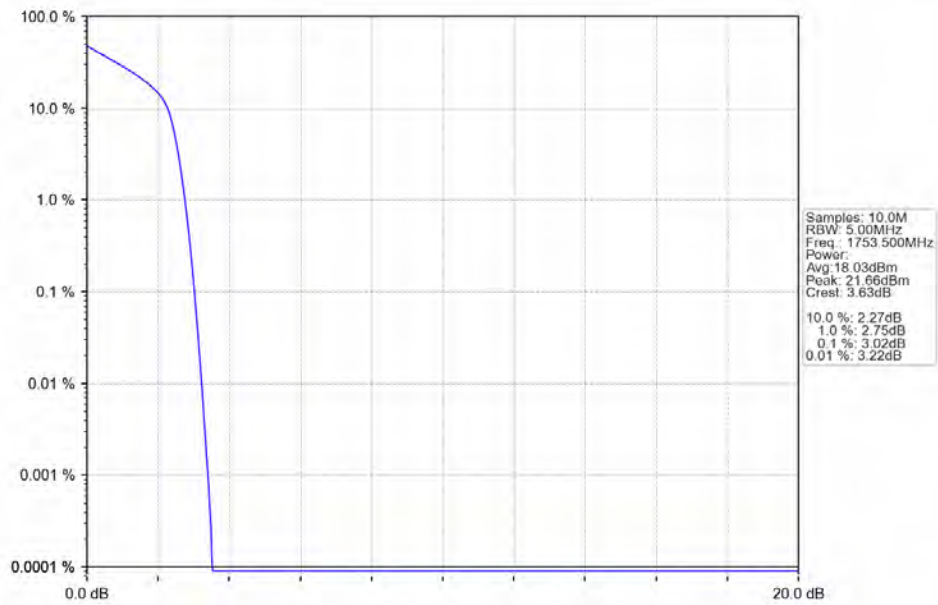
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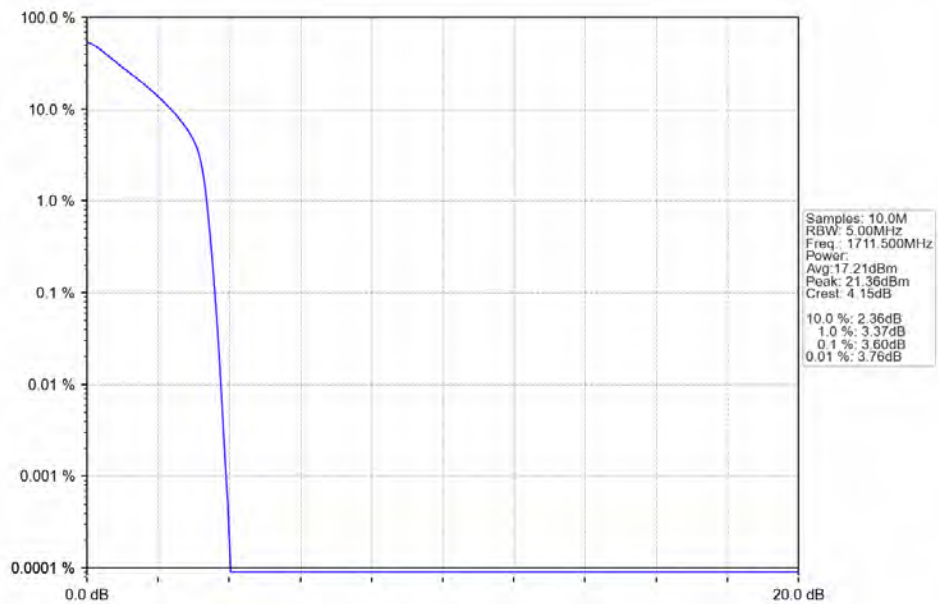
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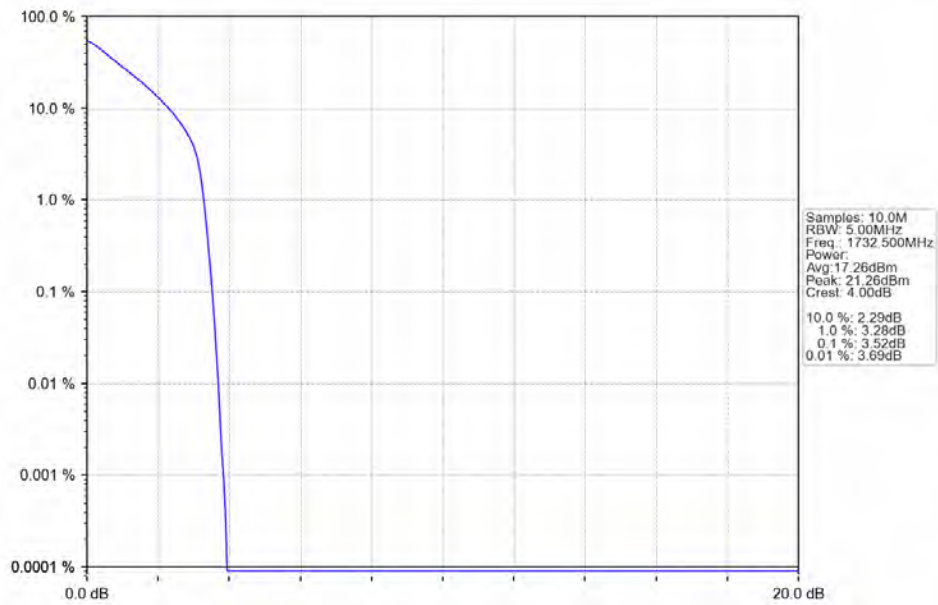
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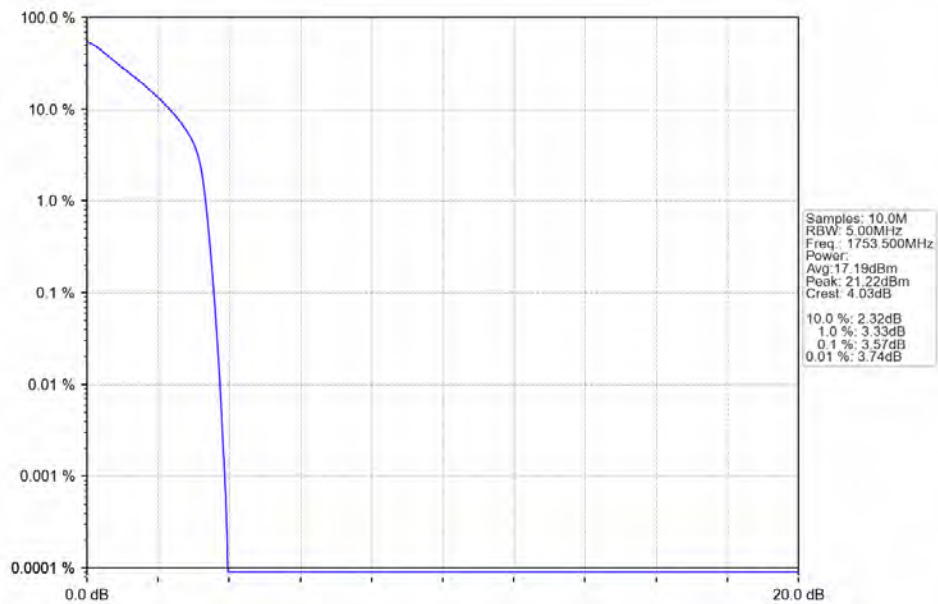
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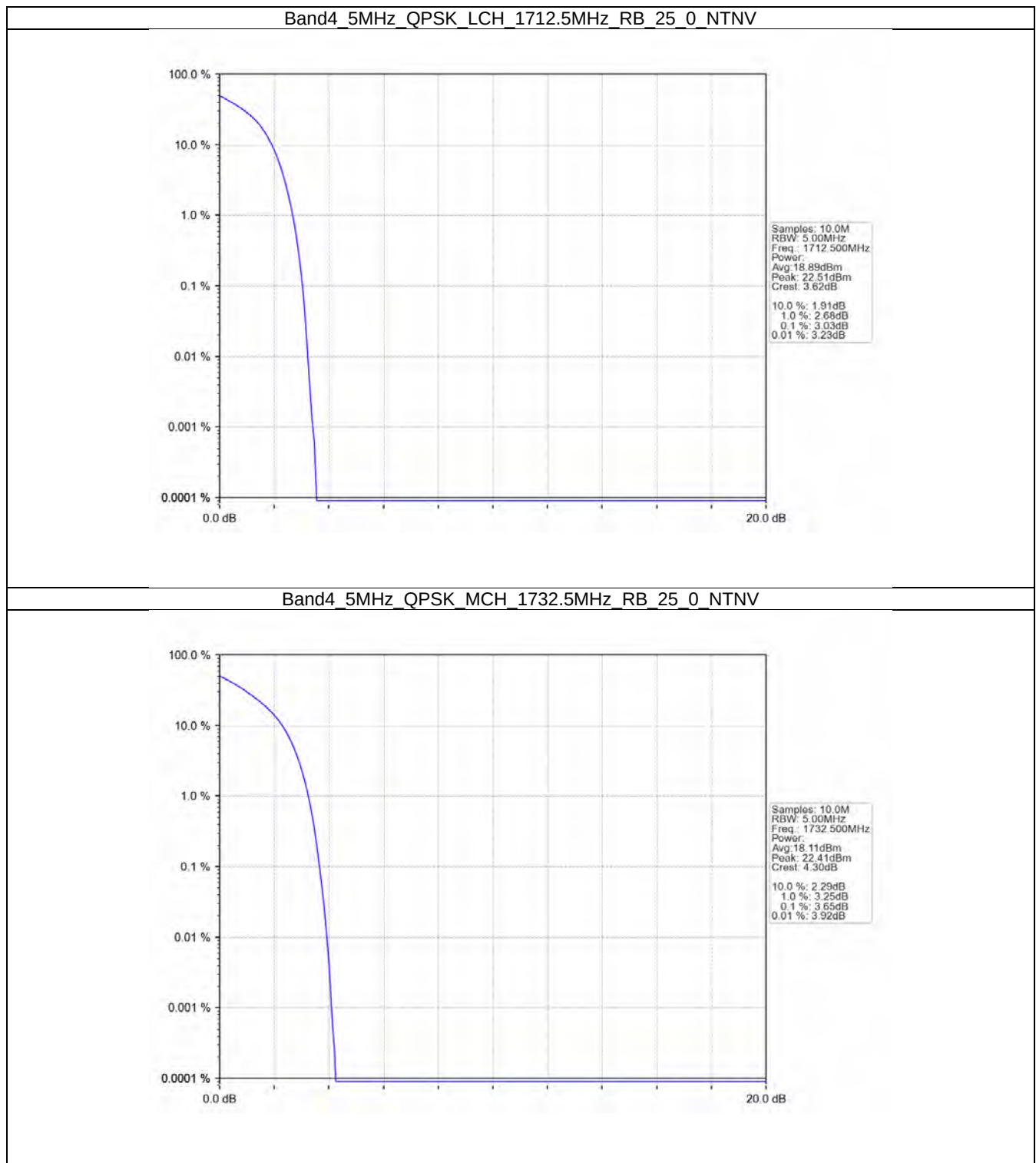
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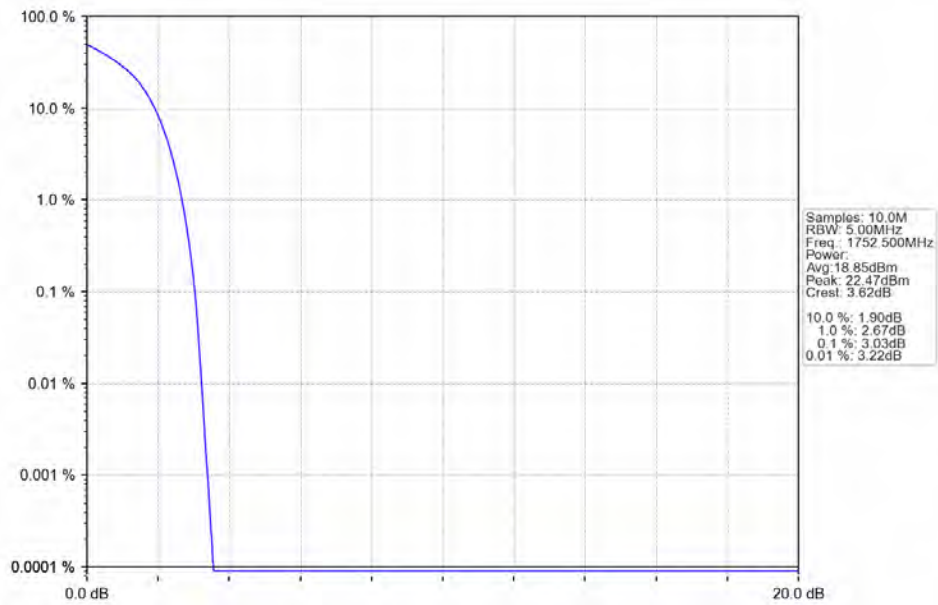
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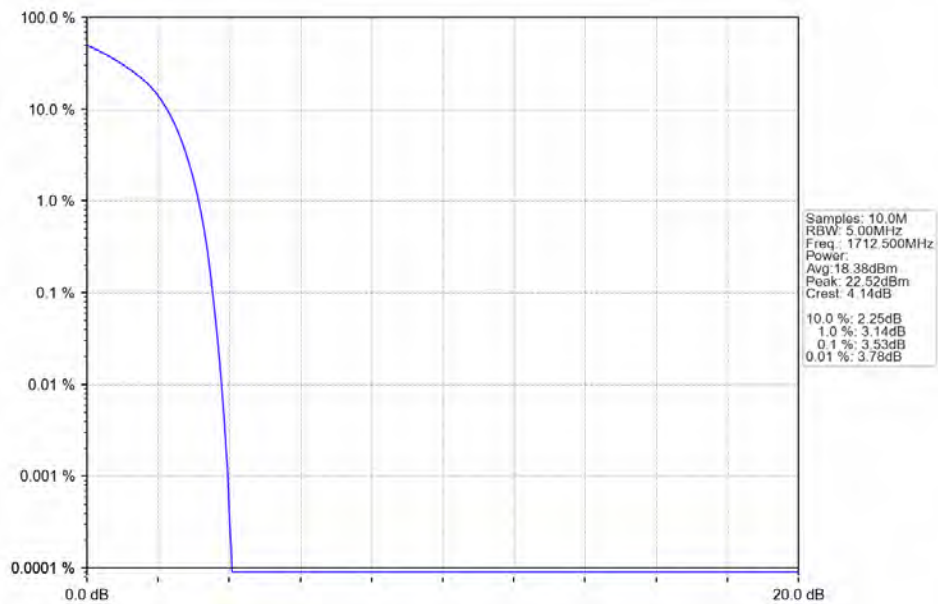
4.2.3 B4_5MHz



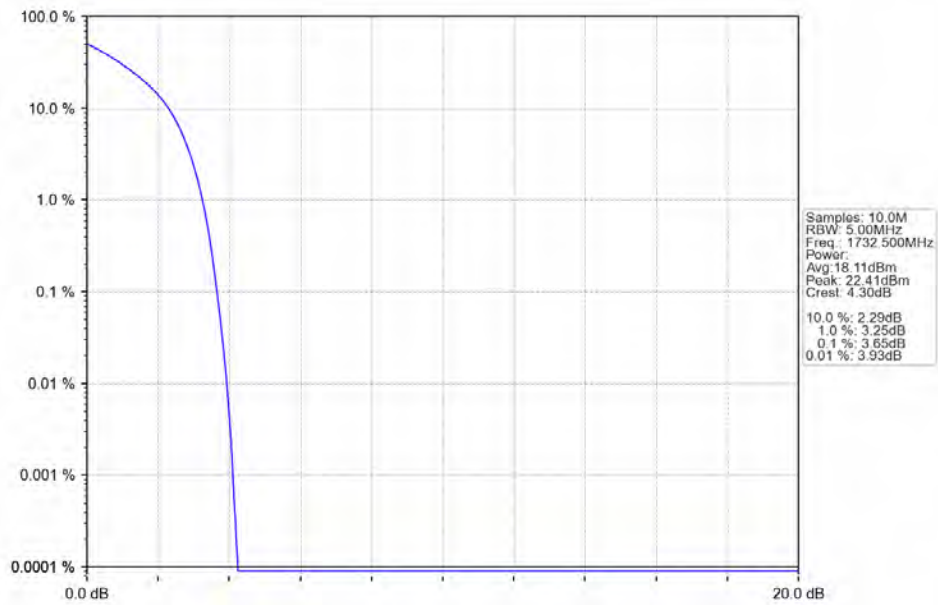
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



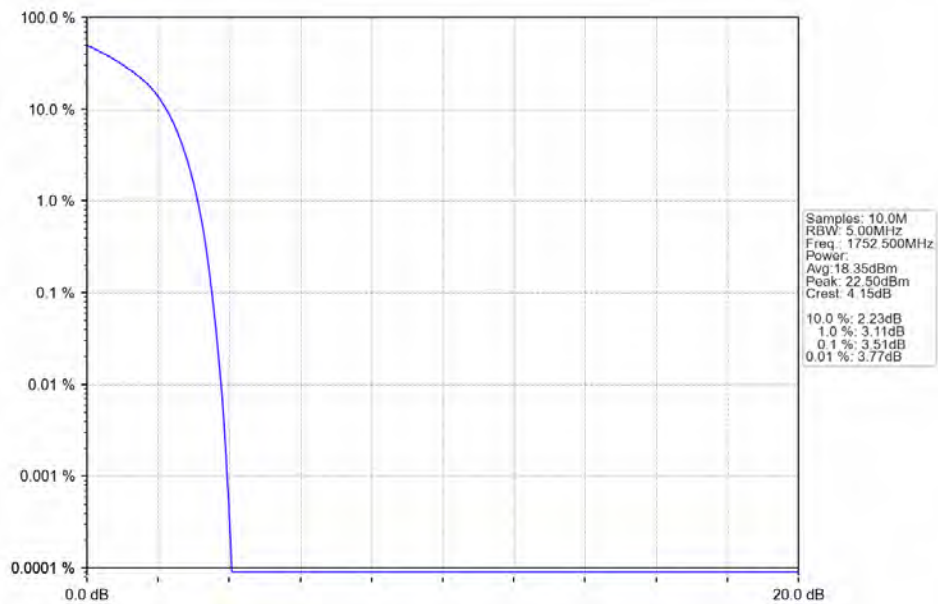
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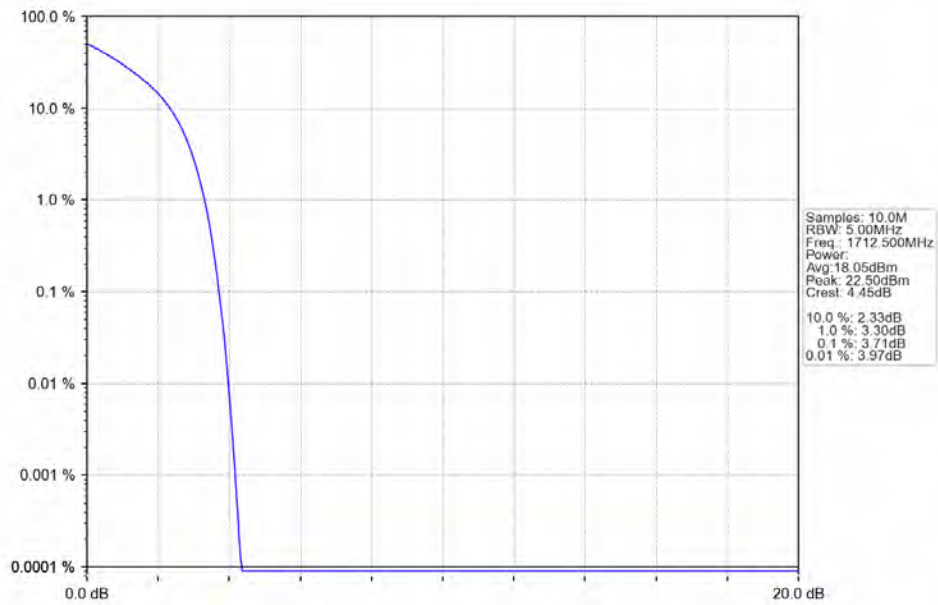
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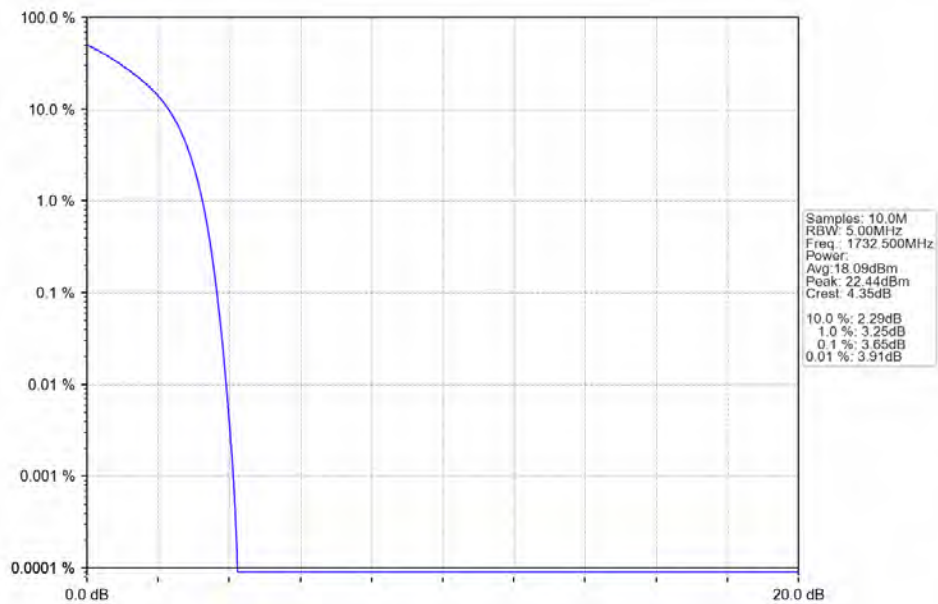
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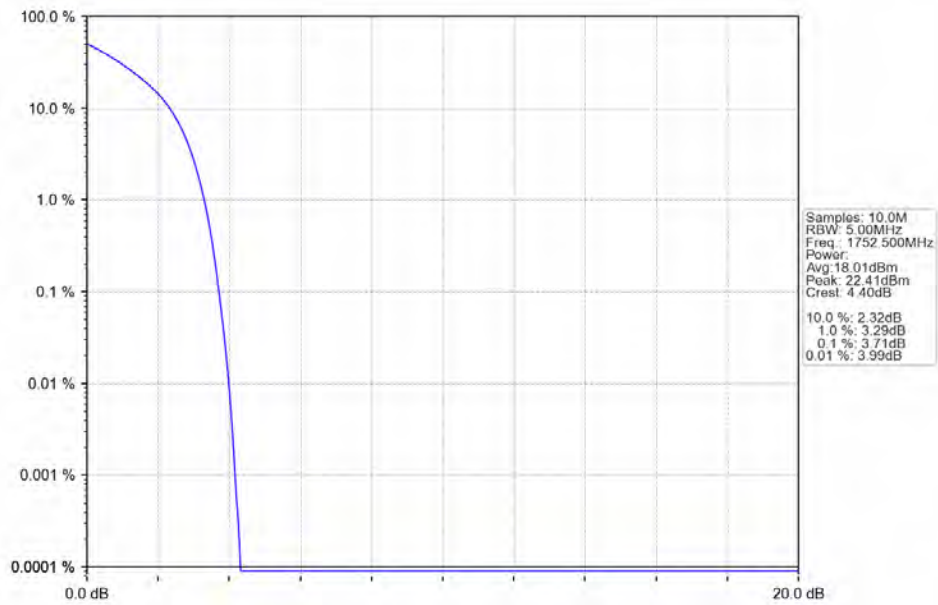
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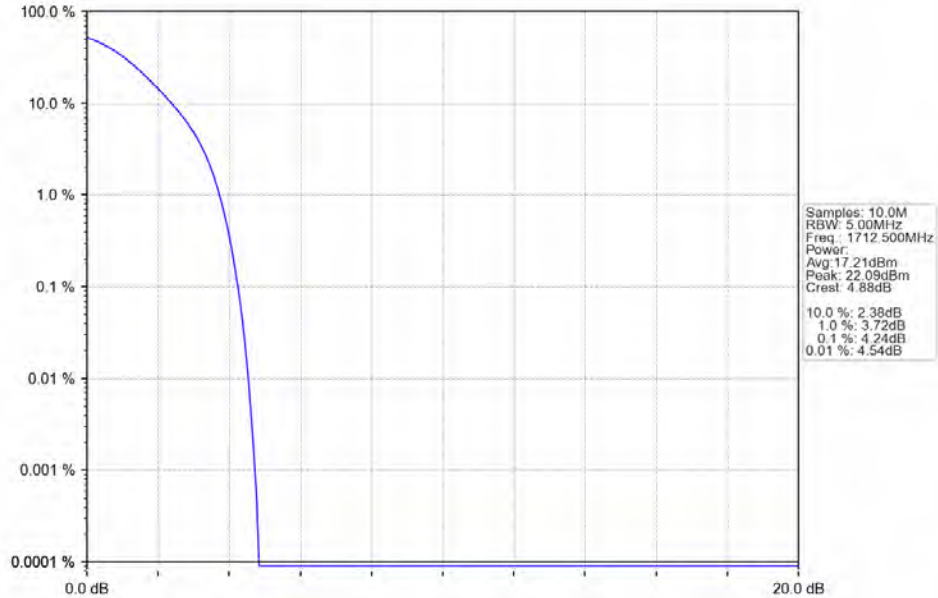
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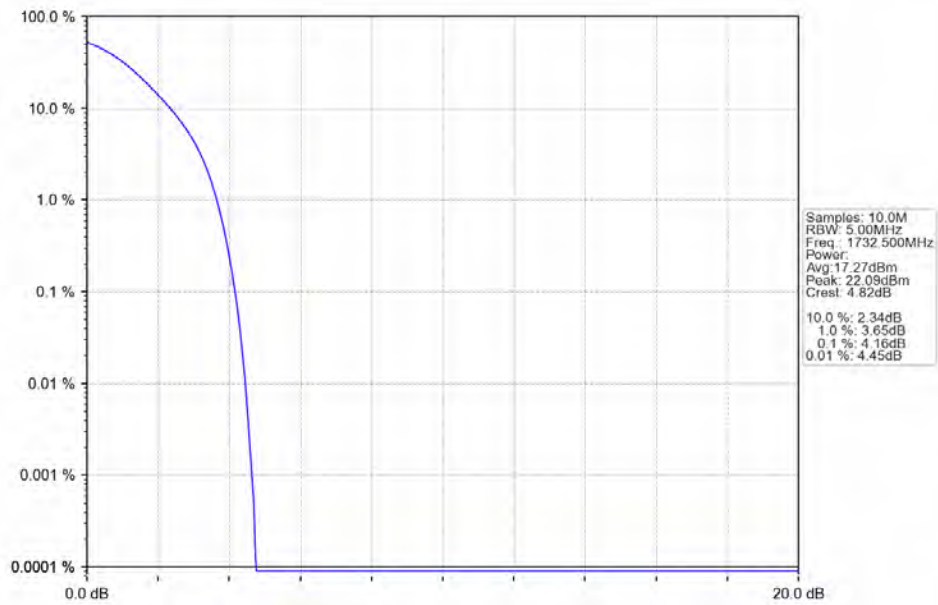
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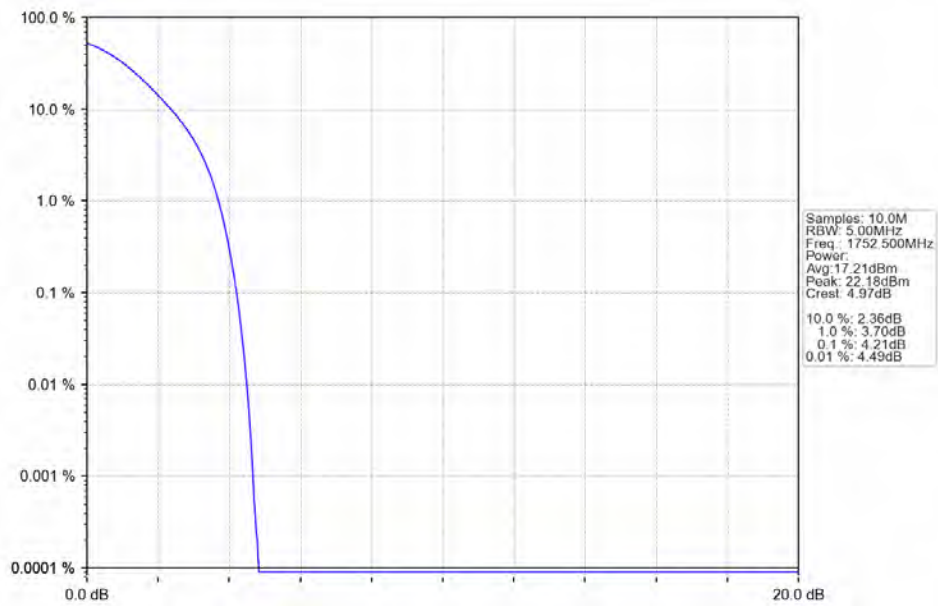
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Band4_5MHz_256QAM_MCH_1732.5MHz_RB_25_0_NTNV

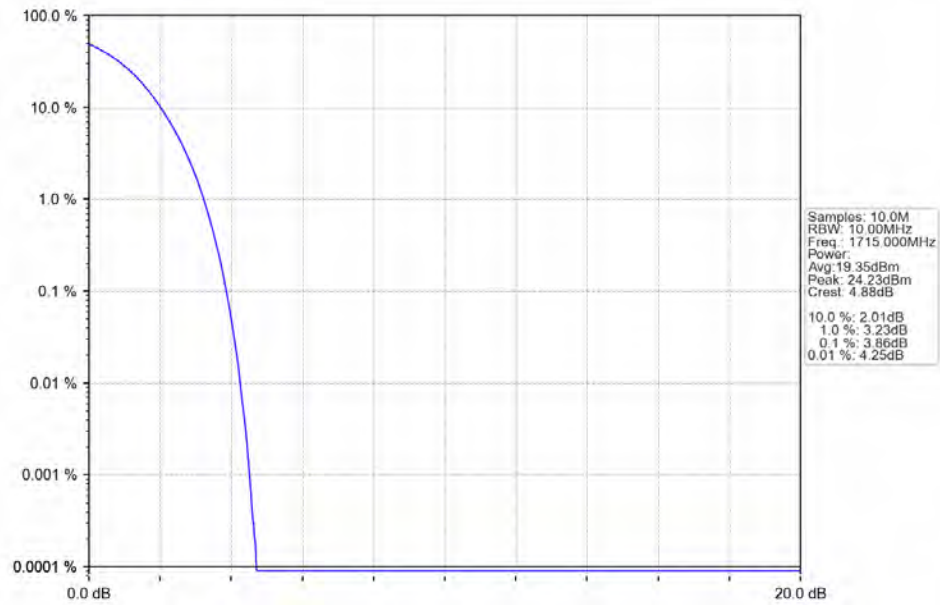


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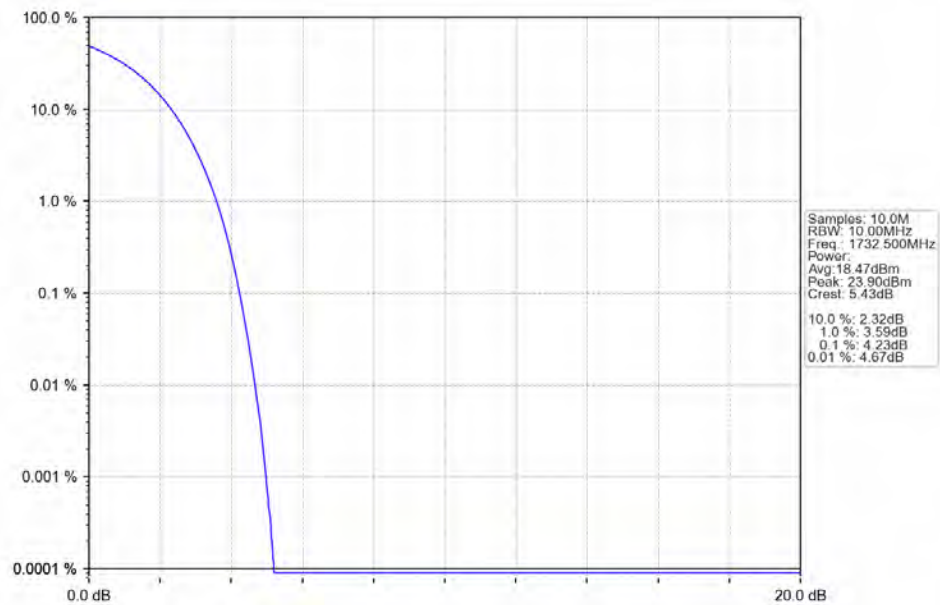


4.2.4 B4_10MHz

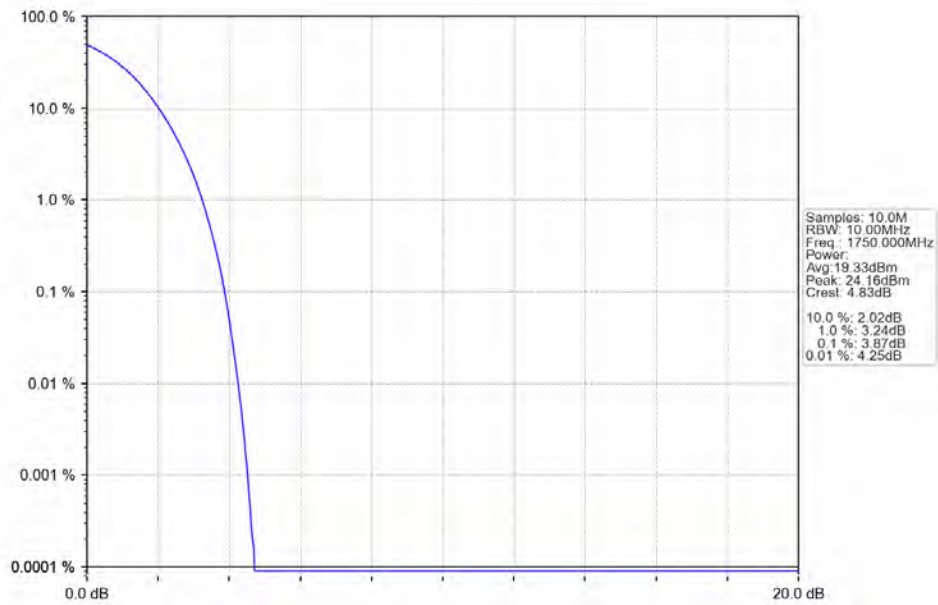
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



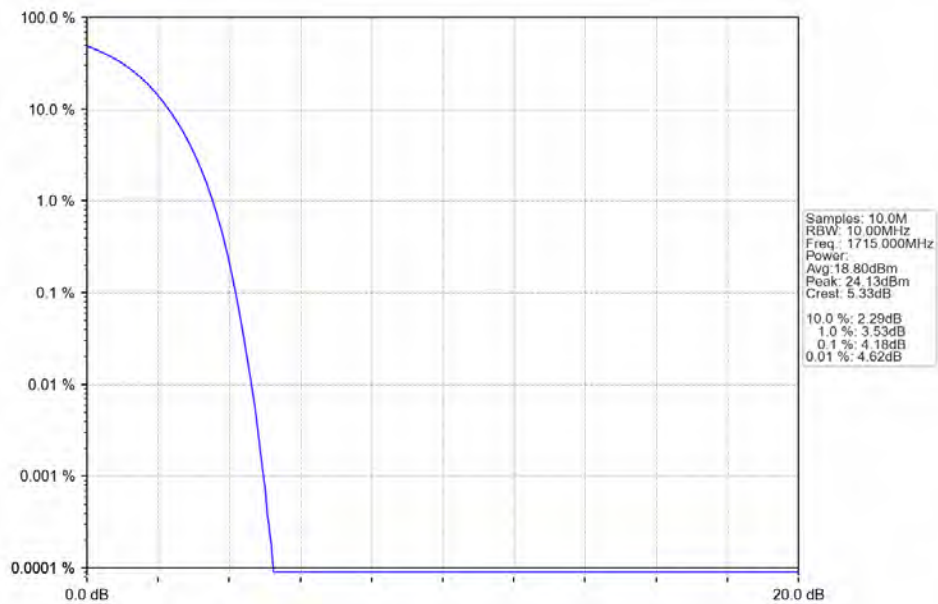
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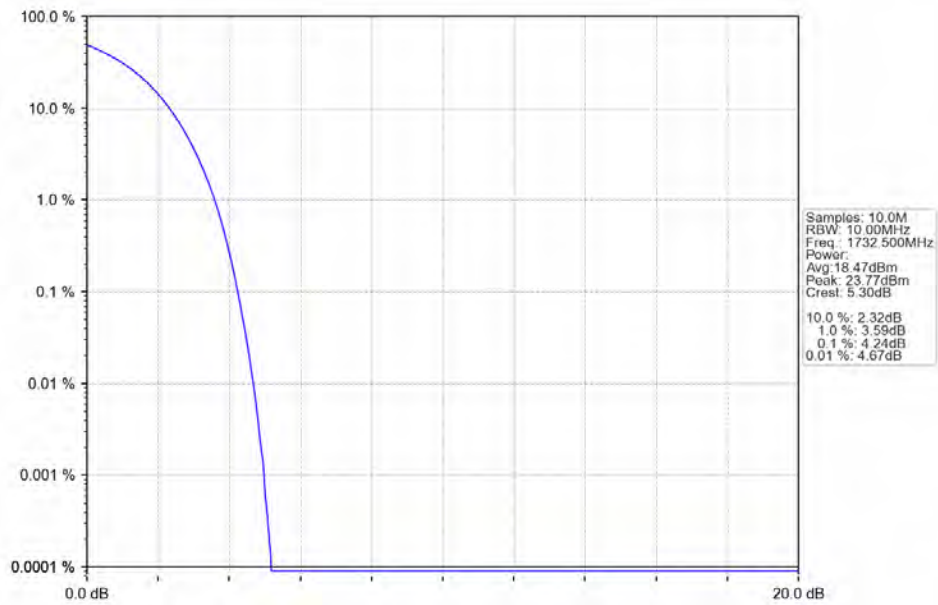
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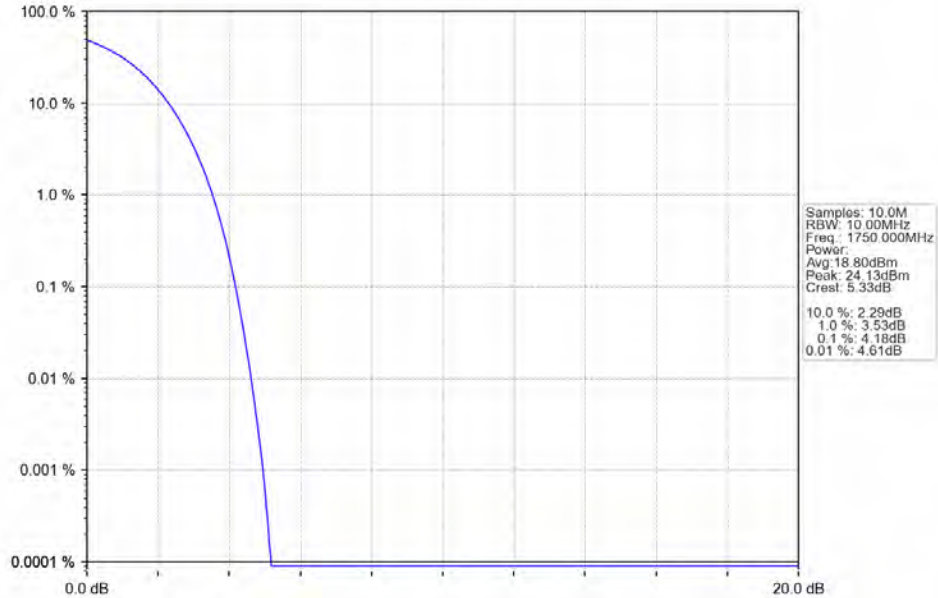
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



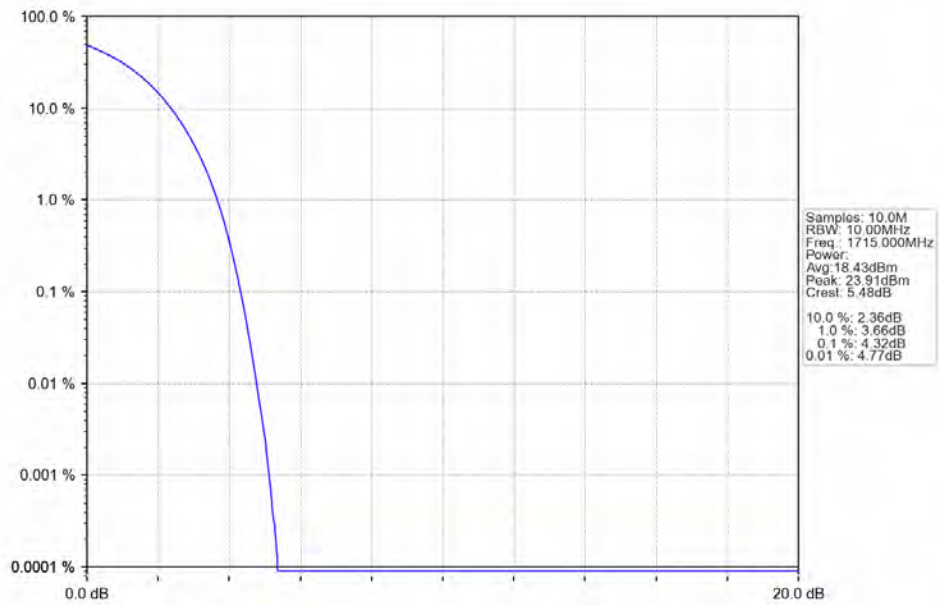
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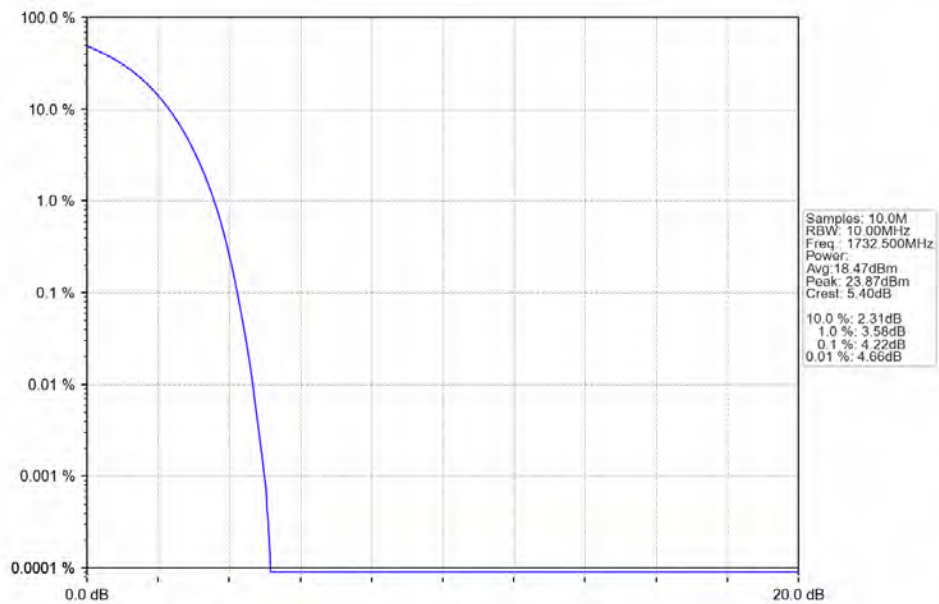
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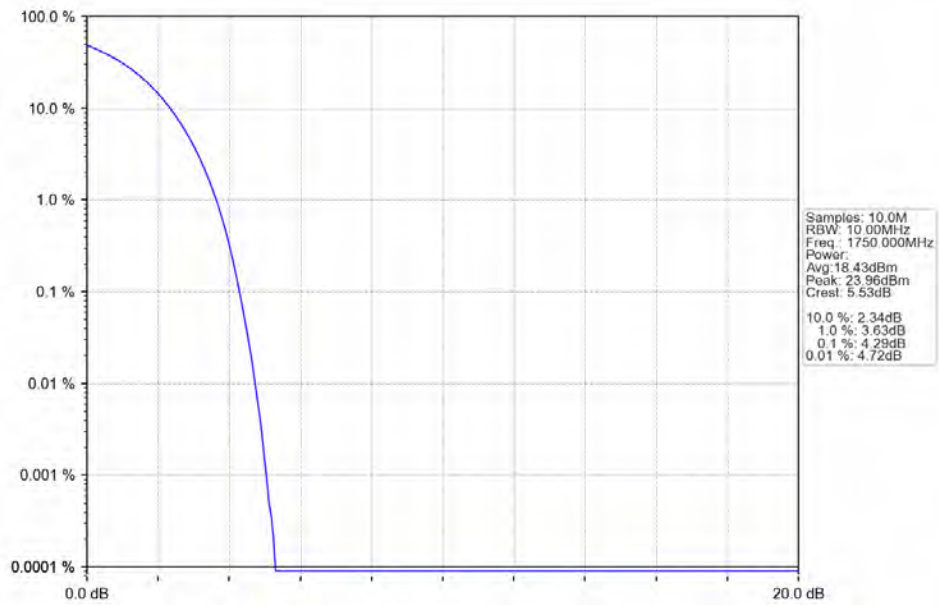
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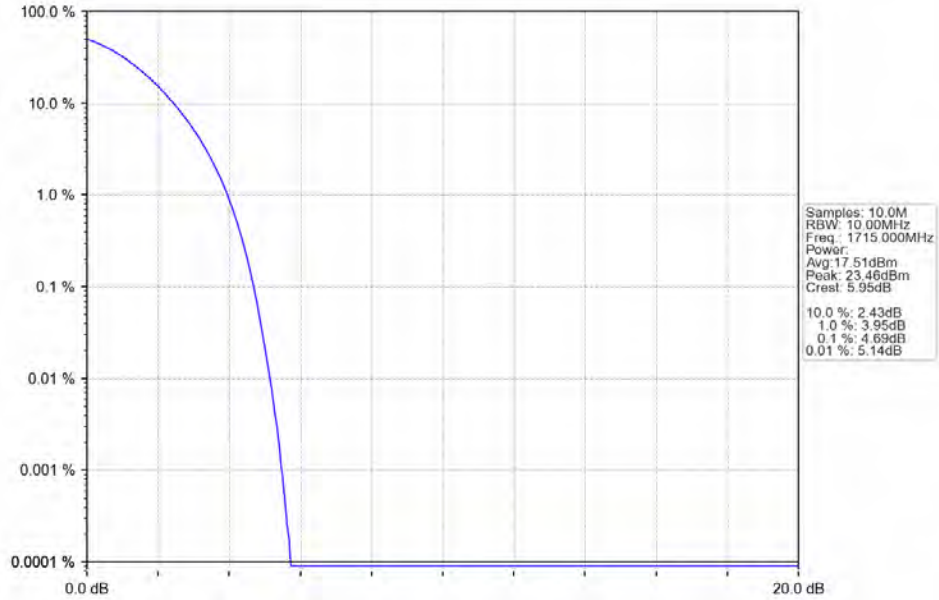
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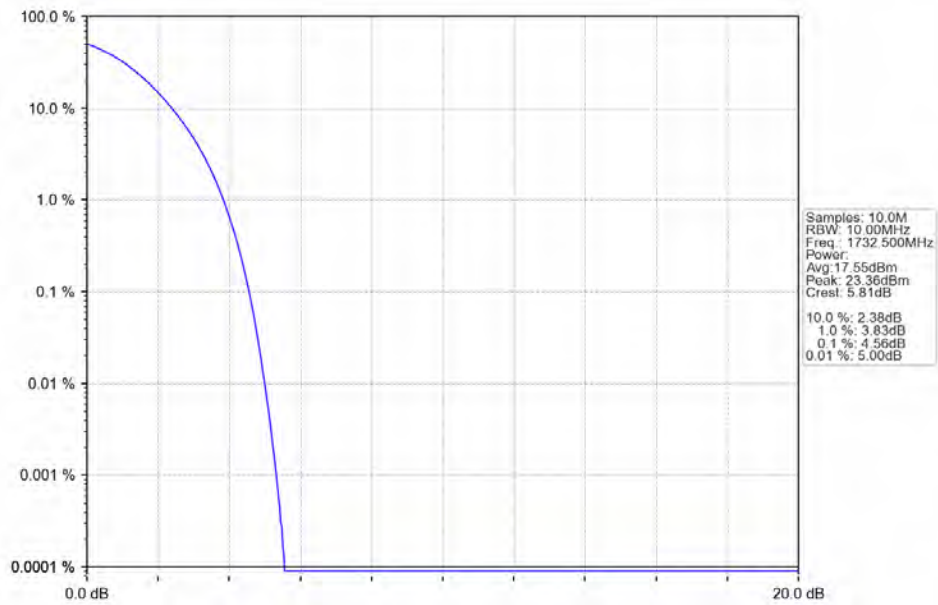
Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



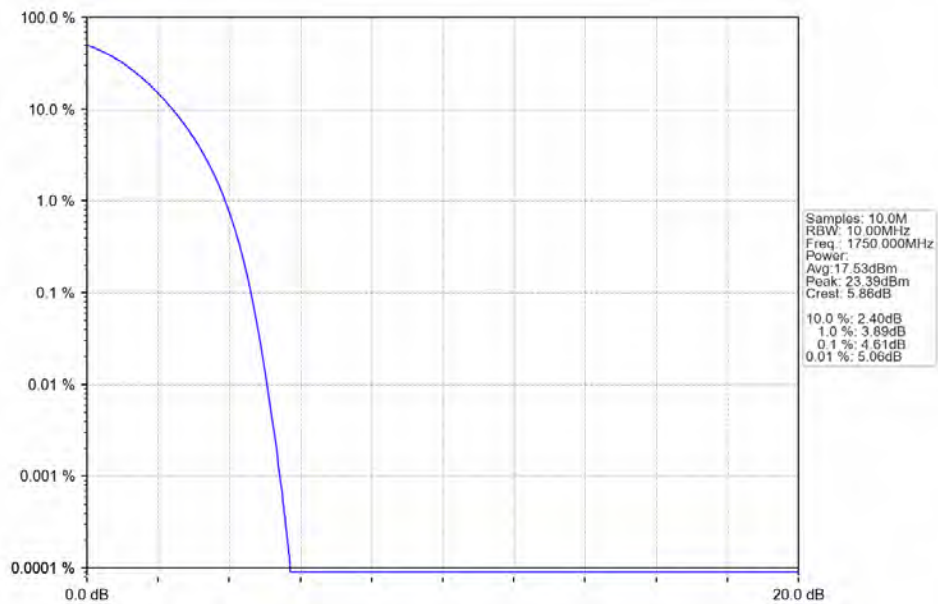
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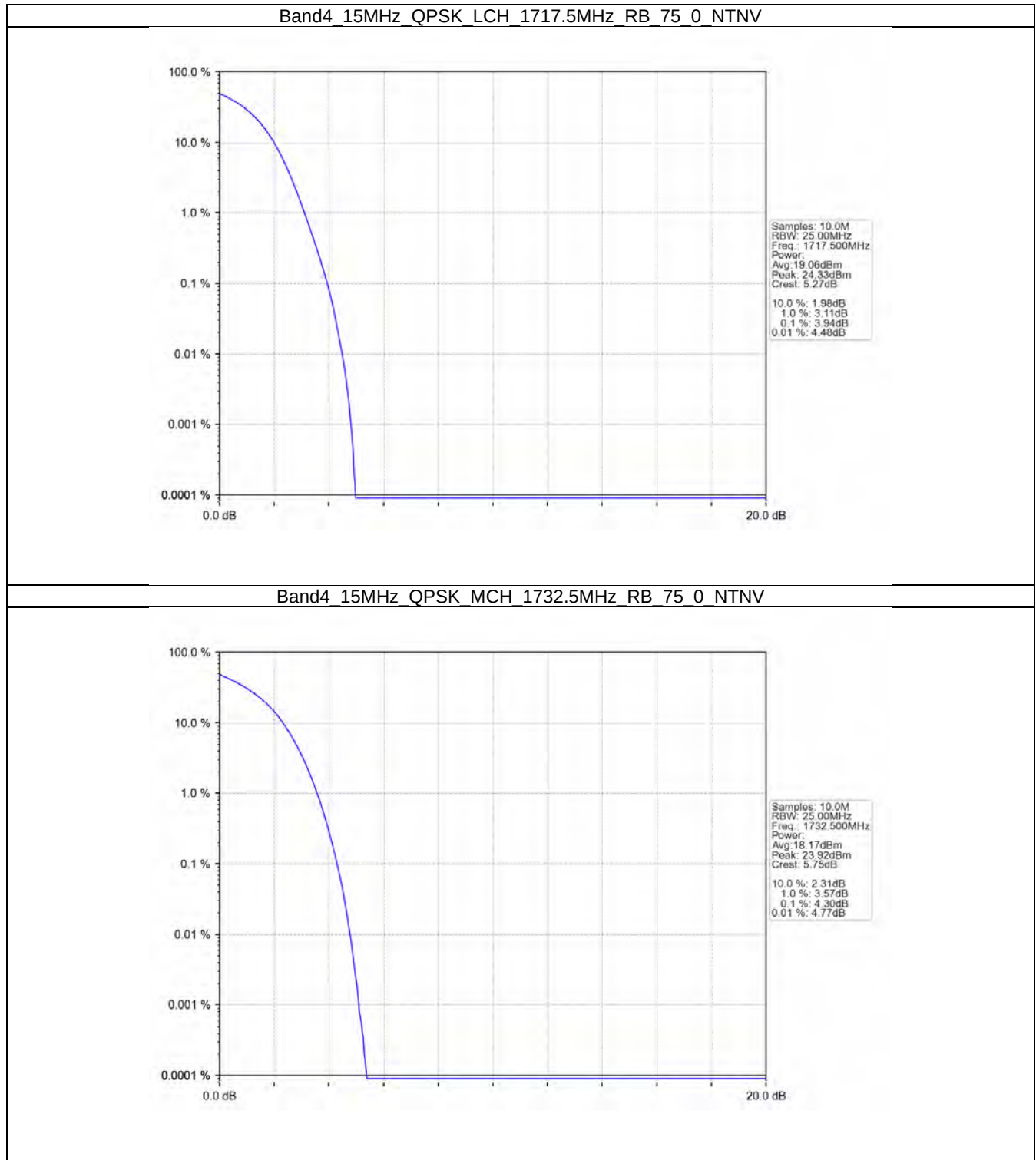
Band4_10MHz_256QAM_MCH_1732.5MHz_RB_50_0_NTNV



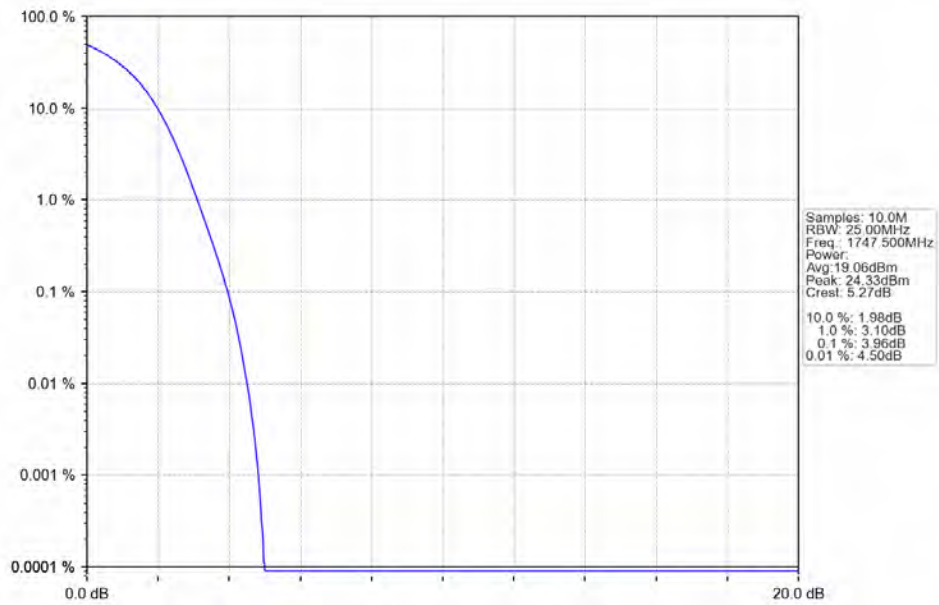
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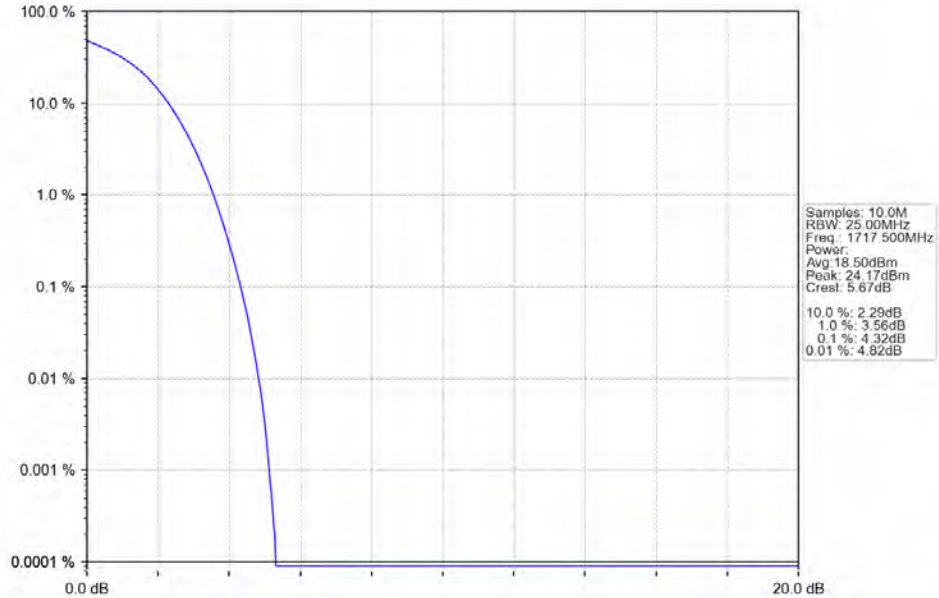
4.2.5 B4_15MHz



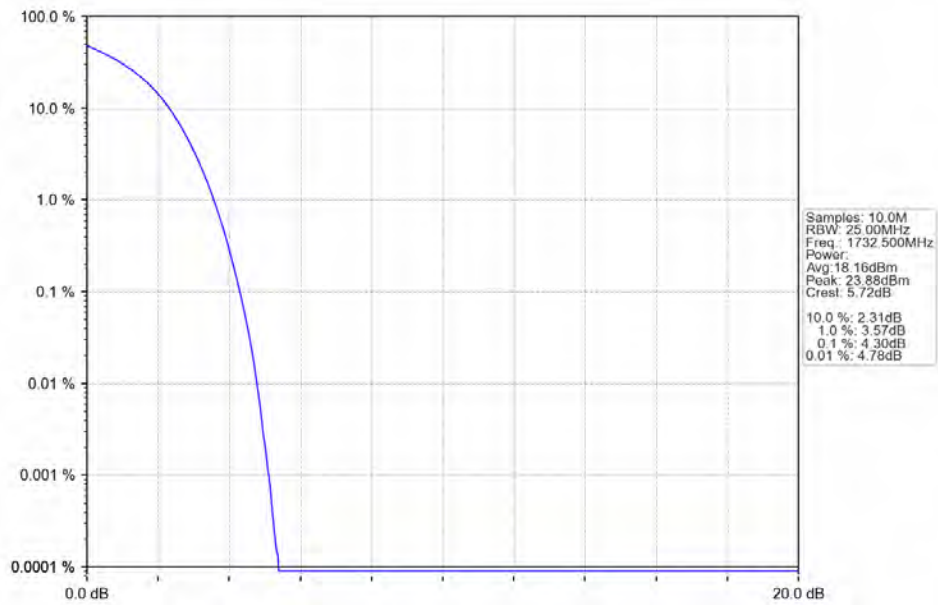
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



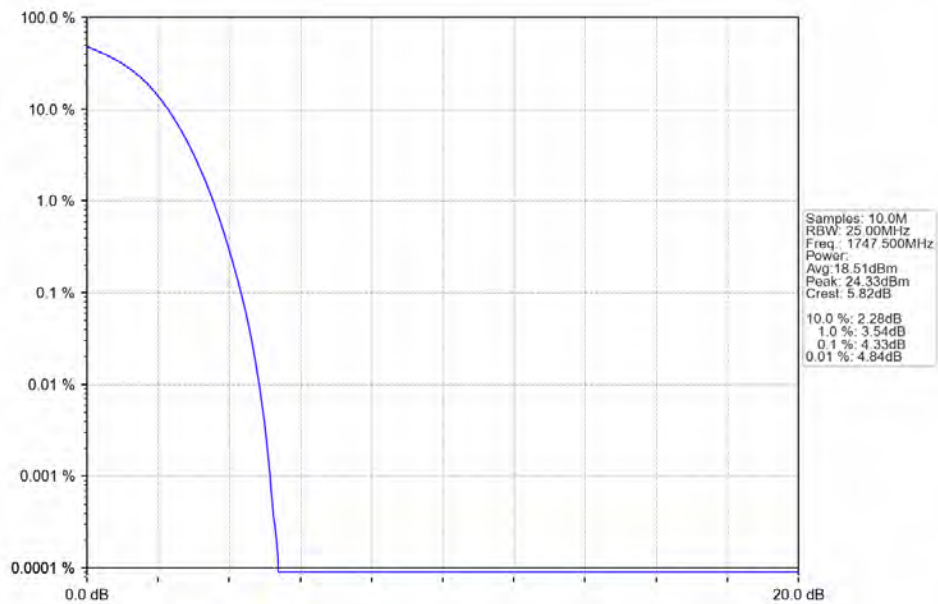
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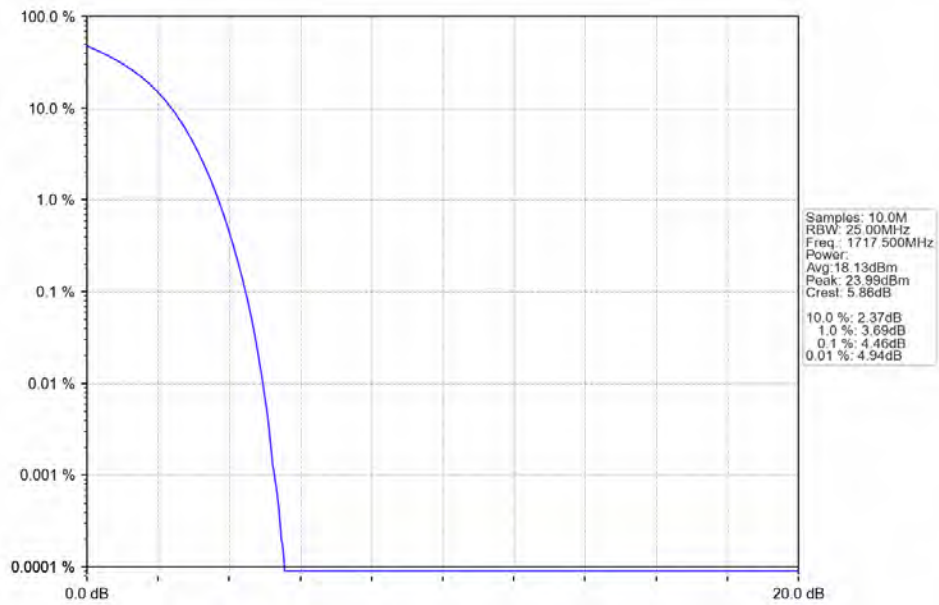
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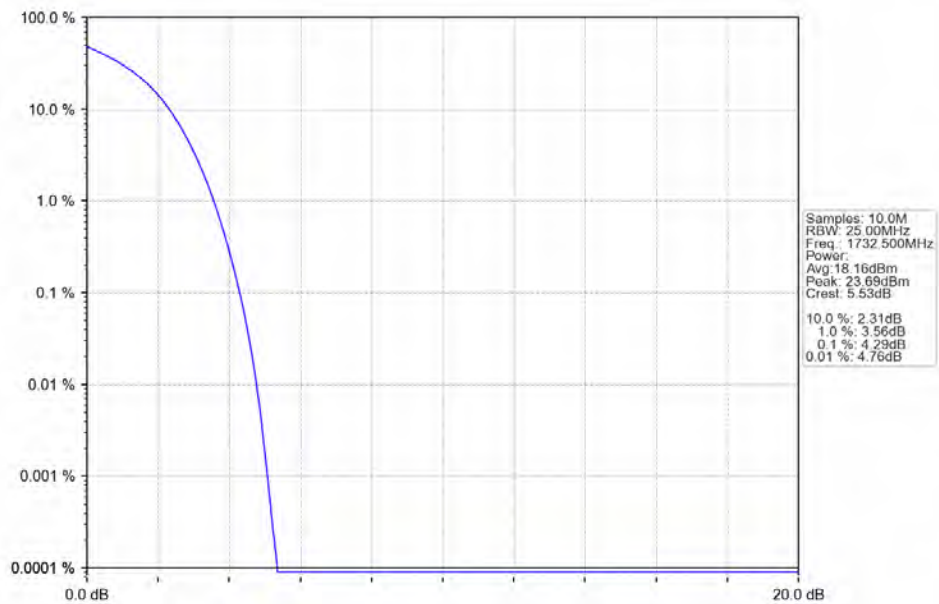
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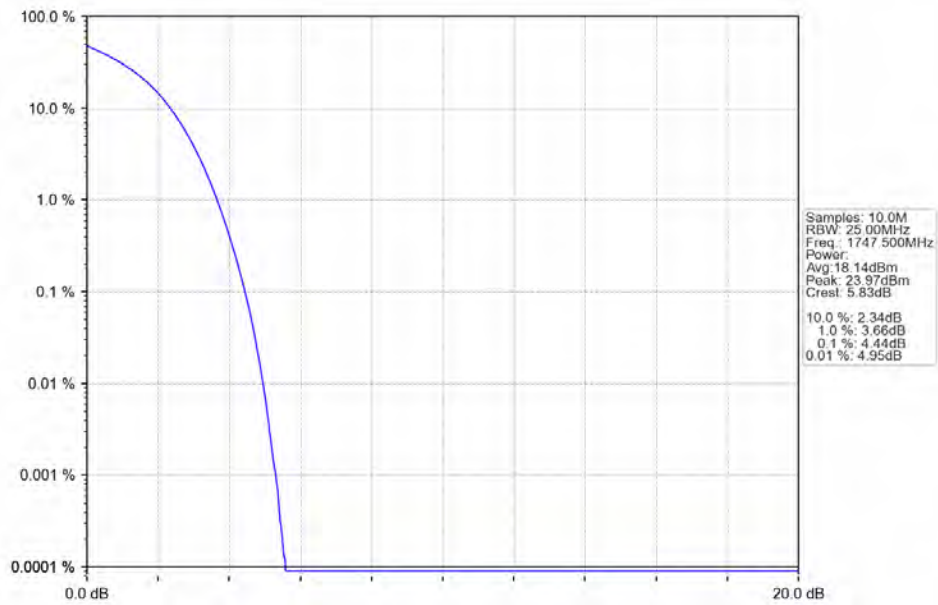
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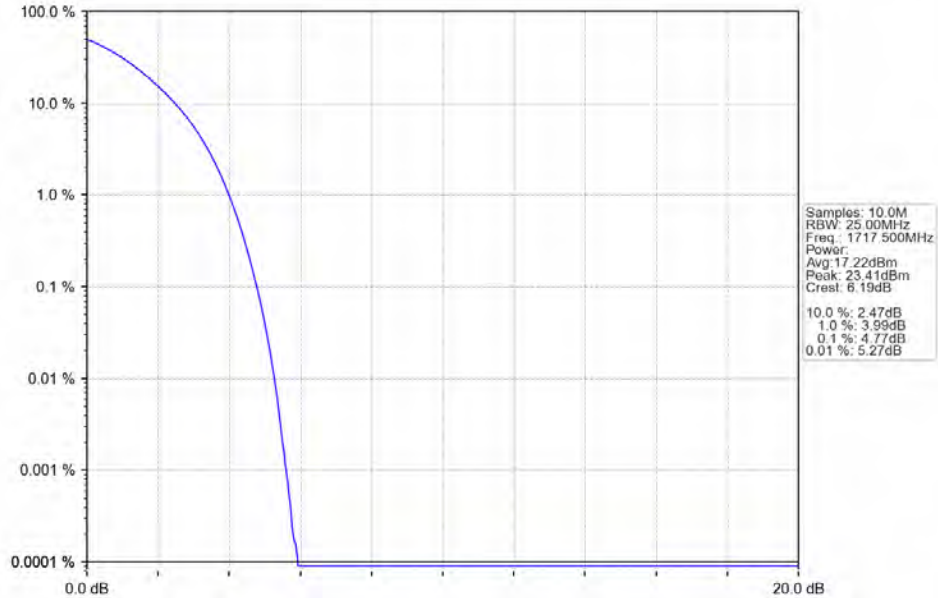
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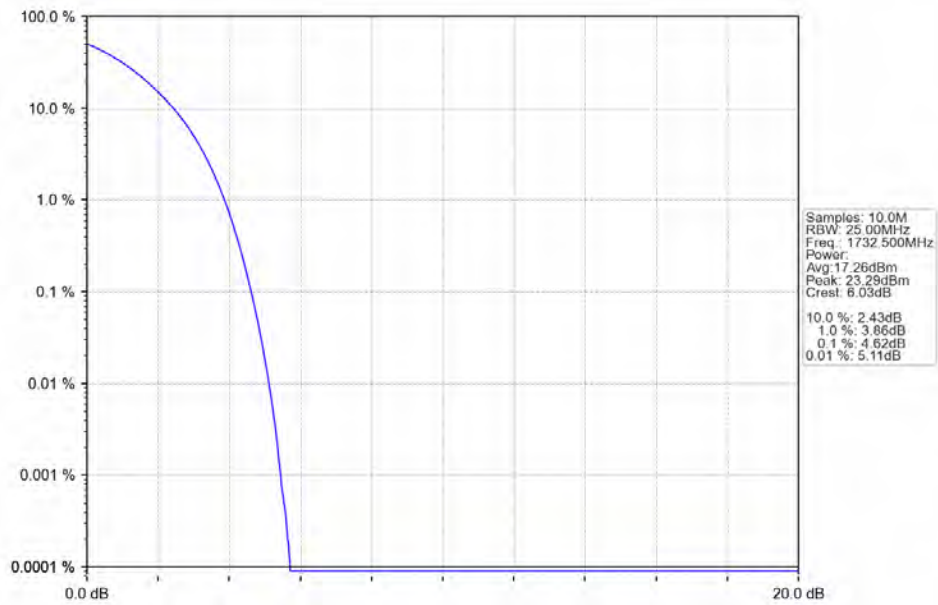
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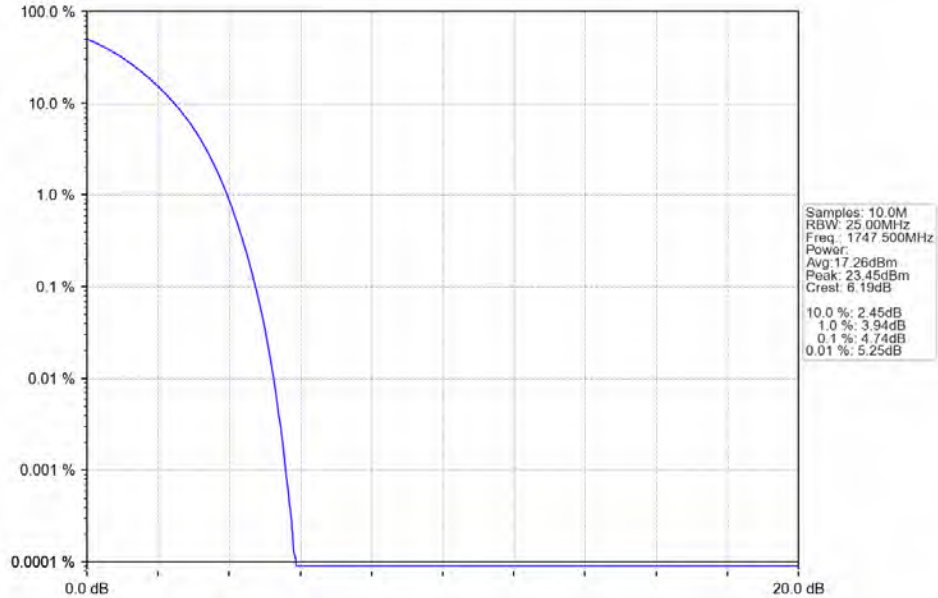
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Band4_15MHz_256QAM_MCH_1732.5MHz_RB_75_0_NTNV

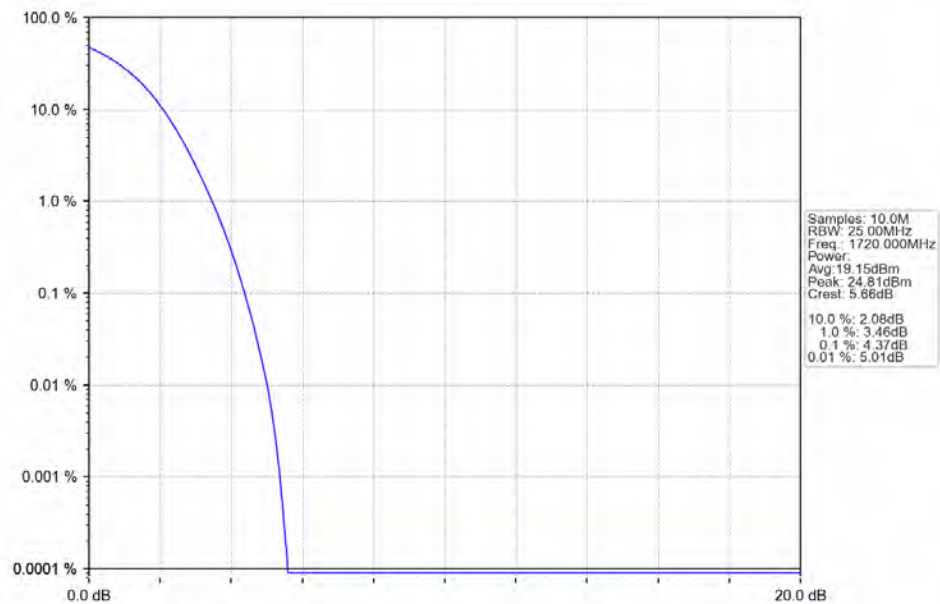


Band4_15MHz_256QAM_HCH_1747.5MHz_RB_75_0_NTNV

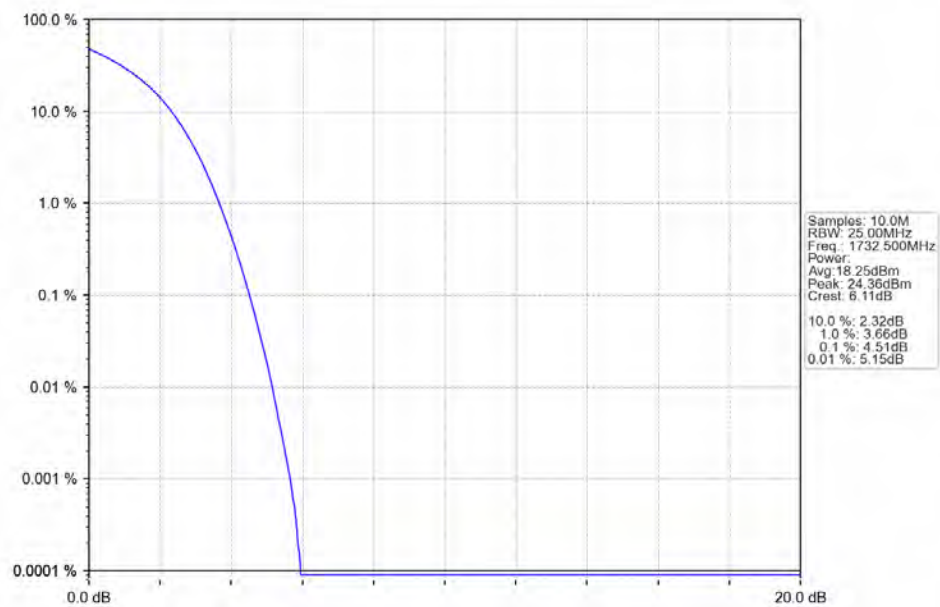


4.2.6 B4_20MHz

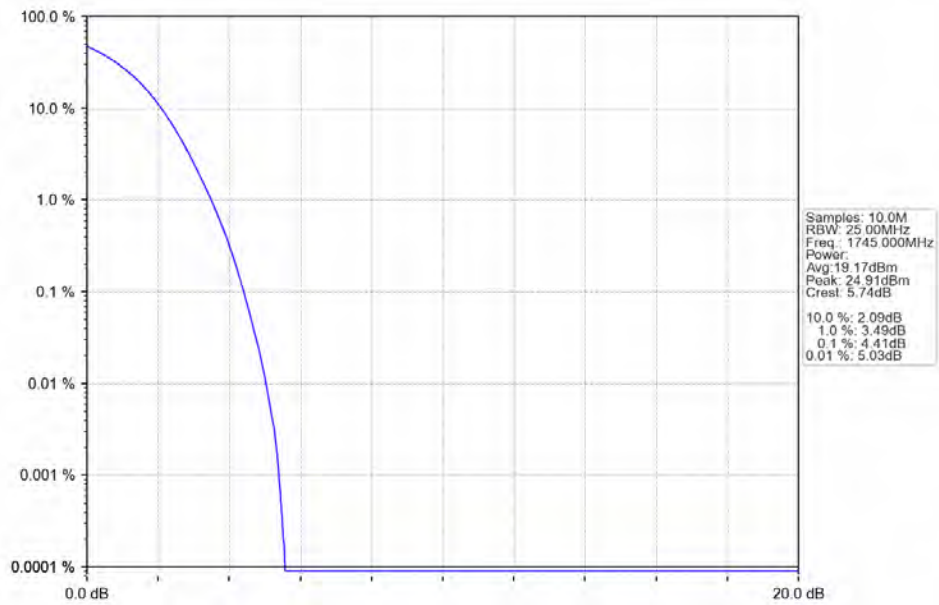
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



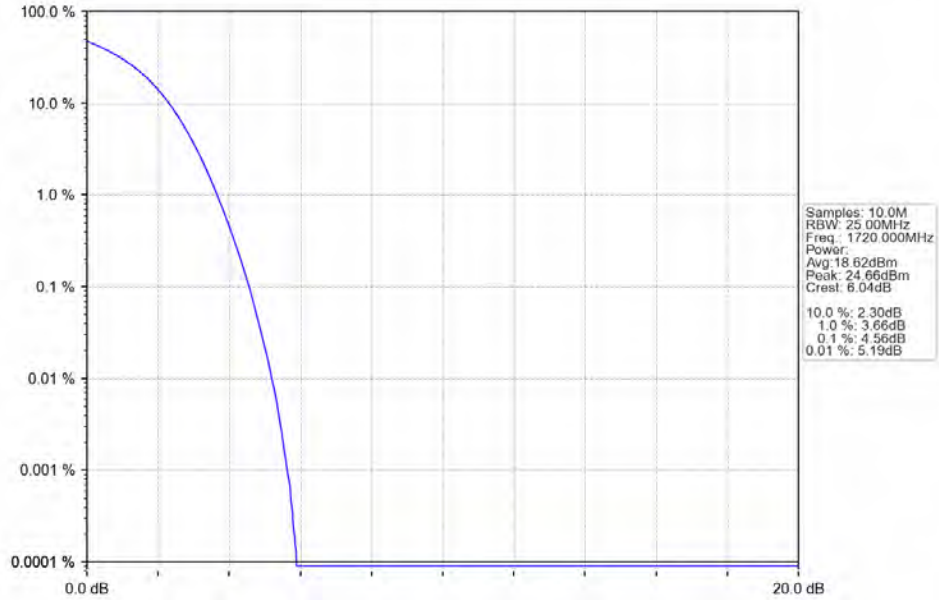
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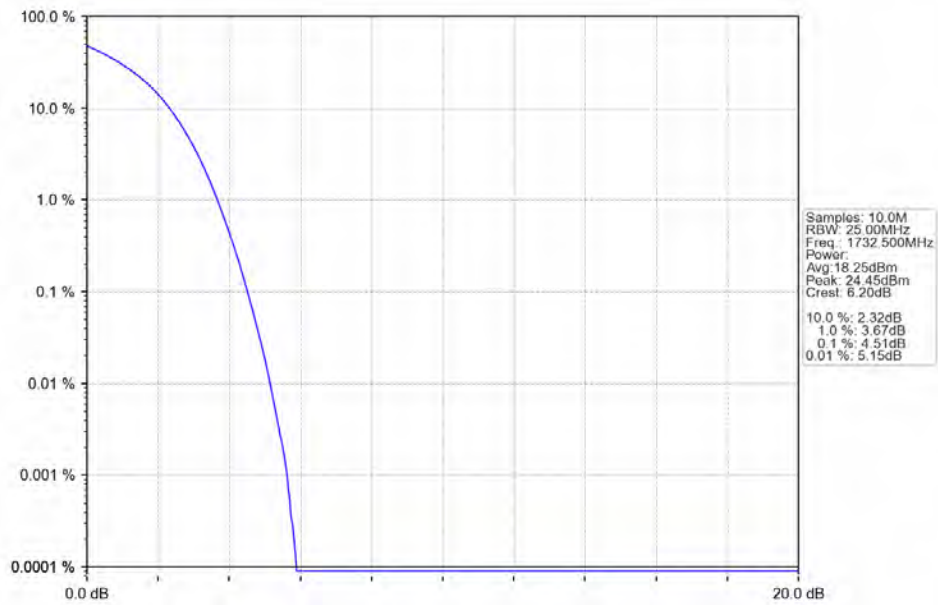
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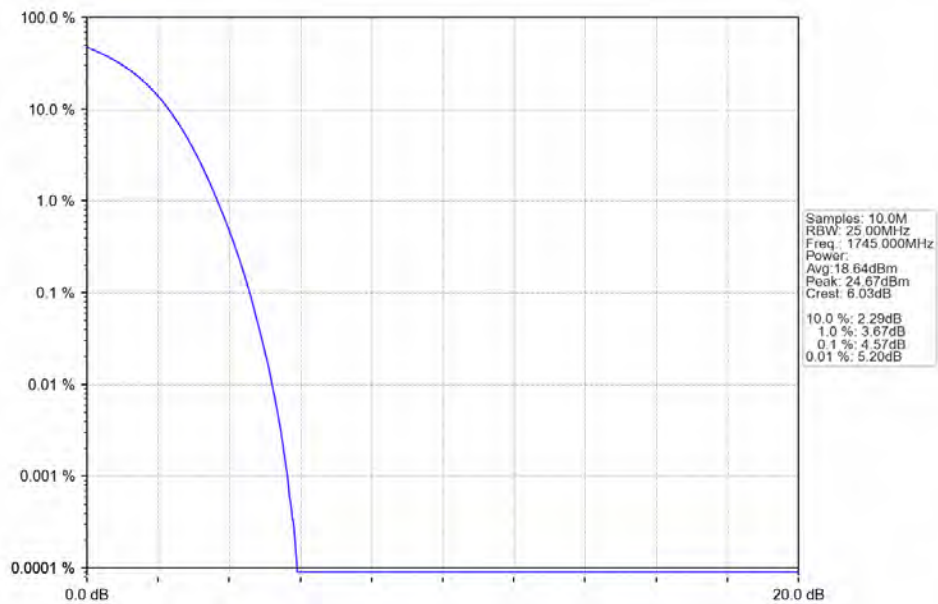
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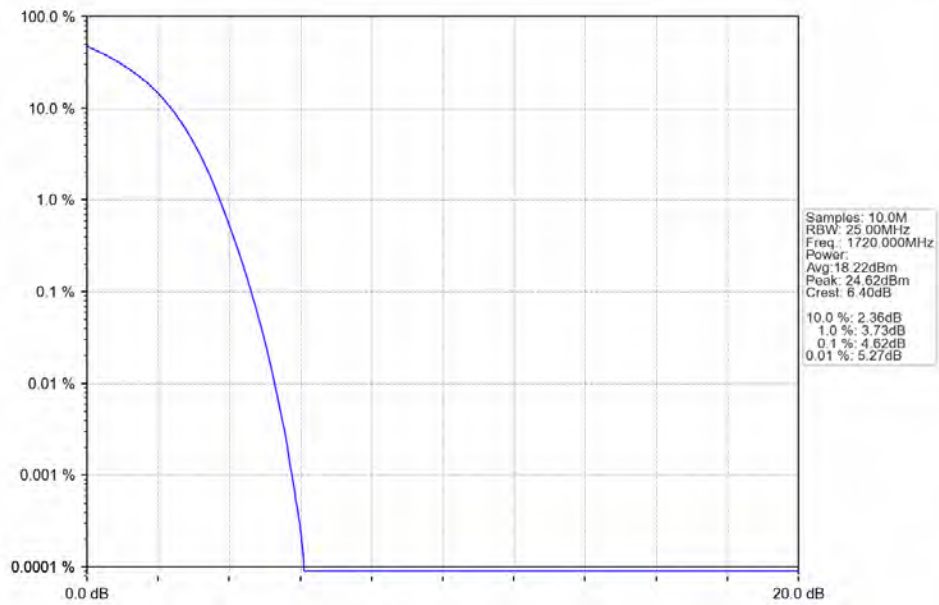
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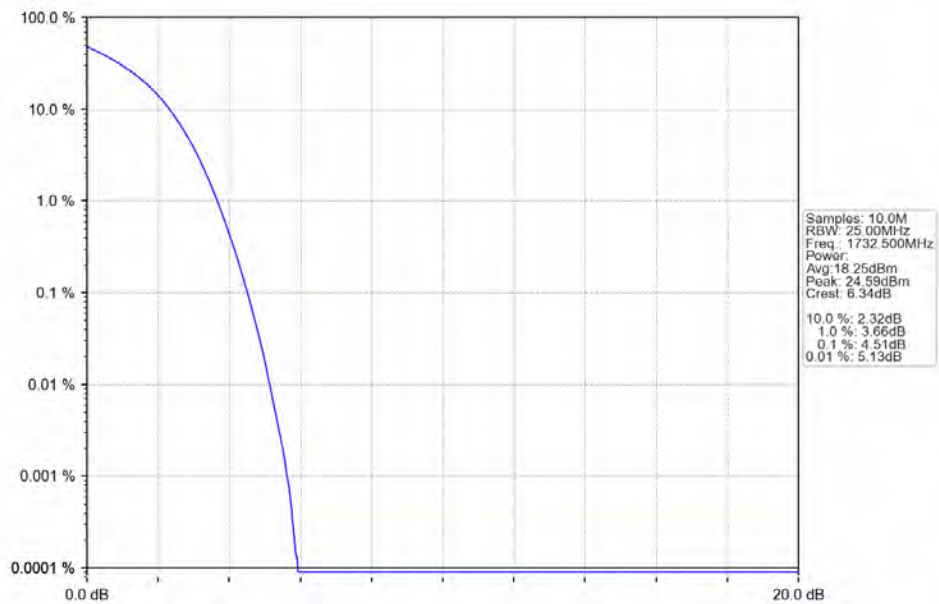
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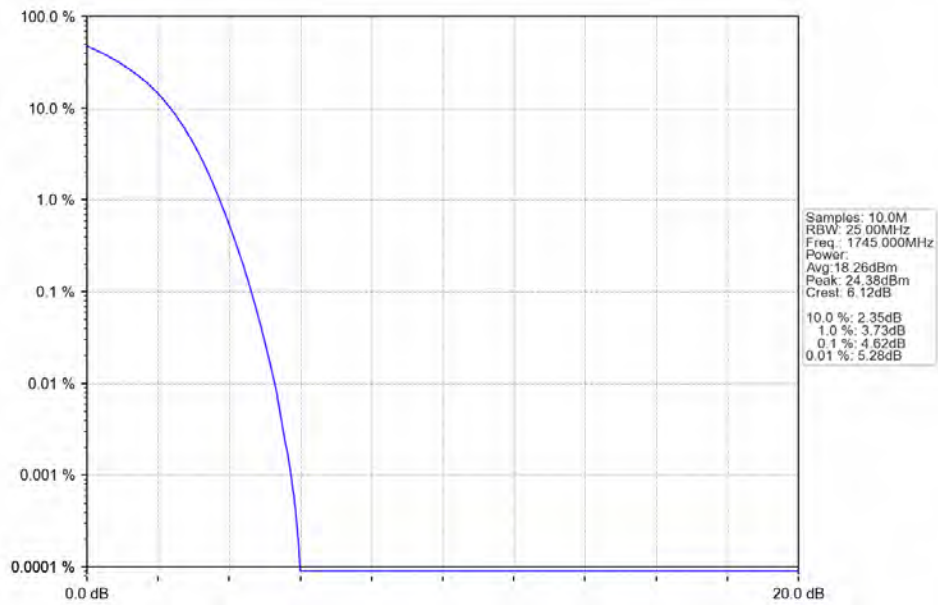
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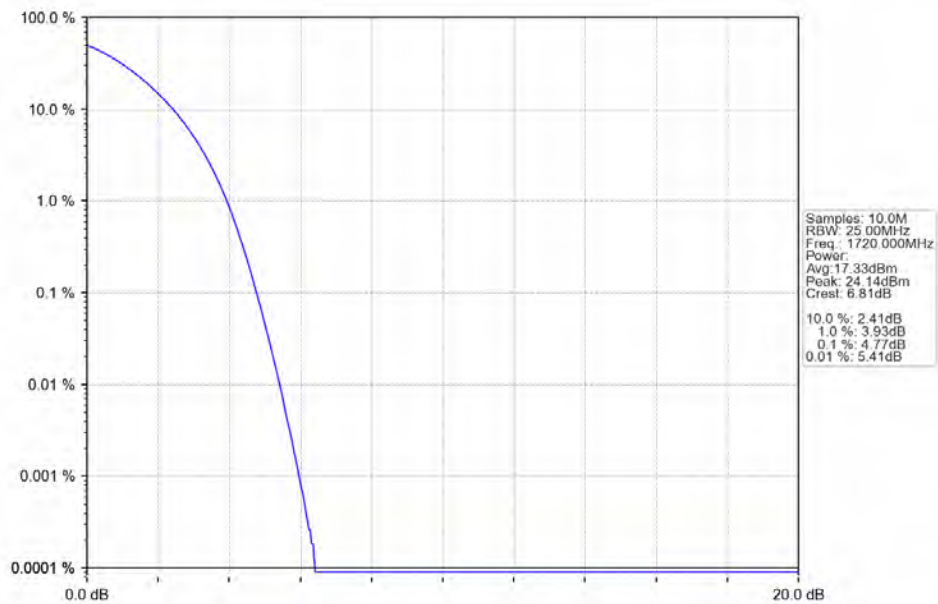
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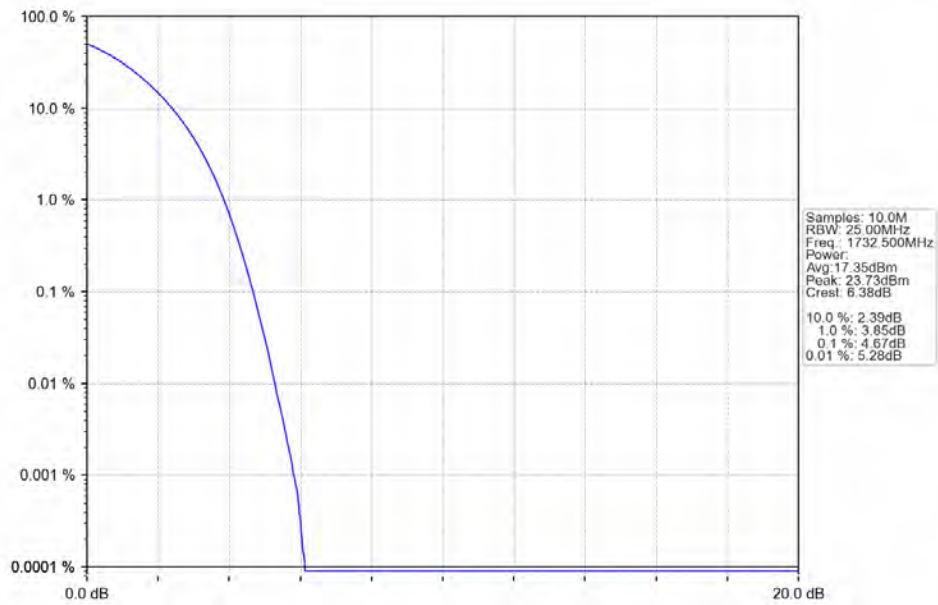
Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



Band4_20MHz_256QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_256QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_256QAM_HCH_1745MHz_RB_100_0_NTNV

