

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	24.99	-1.00	23.99	<=30	Pass
			2	24.98	-1.00	23.98	<=30	Pass
			5	25.05	-1.00	24.05	<=30	Pass
		3	0	24.82	-1.00	23.82	<=30	Pass
			2	24.81	-1.00	23.81	<=30	Pass
			3	24.82	-1.00	23.82	<=30	Pass
		6	0	23.85	-1.00	22.85	<=30	Pass
	1732.5	1	0	25.19	-1.00	24.19	<=30	Pass
			2	25.16	-1.00	24.16	<=30	Pass
			5	25.18	-1.00	24.18	<=30	Pass
		3	0	25.15	-1.00	24.15	<=30	Pass
			2	25.17	-1.00	24.17	<=30	Pass
			3	25.19	-1.00	24.19	<=30	Pass
		6	0	24.15	-1.00	23.15	<=30	Pass
	1754.3	1	0	24.92	-1.00	23.92	<=30	Pass
			2	24.89	-1.00	23.89	<=30	Pass
			5	24.86	-1.00	23.86	<=30	Pass
		3	0	24.83	-1.00	23.83	<=30	Pass
			2	24.81	-1.00	23.81	<=30	Pass
			3	24.84	-1.00	23.84	<=30	Pass
		6	0	23.91	-1.00	22.91	<=30	Pass
16QAM	1710.7	1	0	23.88	-1.00	22.88	<=30	Pass
			2	23.84	-1.00	22.84	<=30	Pass
			5	23.93	-1.00	22.93	<=30	Pass
		3	0	23.78	-1.00	22.78	<=30	Pass
			2	23.79	-1.00	22.79	<=30	Pass
			3	23.79	-1.00	22.79	<=30	Pass
		6	0	22.89	-1.00	21.89	<=30	Pass
	1732.5	1	0	24.55	-1.00	23.55	<=30	Pass
			2	24.53	-1.00	23.53	<=30	Pass
			5	24.55	-1.00	23.55	<=30	Pass
		3	0	24.18	-1.00	23.18	<=30	Pass
			2	24.19	-1.00	23.19	<=30	Pass
			3	24.22	-1.00	23.22	<=30	Pass
		6	0	23.11	-1.00	22.11	<=30	Pass
	1754.3	1	0	23.98	-1.00	22.98	<=30	Pass
			2	23.92	-1.00	22.92	<=30	Pass
			5	23.97	-1.00	22.97	<=30	Pass
		3	0	23.96	-1.00	22.96	<=30	Pass
			2	23.93	-1.00	22.93	<=30	Pass
			3	23.94	-1.00	22.94	<=30	Pass
		6	0	22.98	-1.00	21.98	<=30	Pass
64QAM	1710.7	1	0	23.25	-1.00	22.25	<=30	Pass
			2	23.24	-1.00	22.24	<=30	Pass
			5	23.28	-1.00	22.28	<=30	Pass
		3	0	22.98	-1.00	21.98	<=30	Pass
			2	22.99	-1.00	21.99	<=30	Pass
			3	22.97	-1.00	21.97	<=30	Pass
		6	0	21.96	-1.00	20.96	<=30	Pass
	1732.5	1	0	23.23	-1.00	22.23	<=30	Pass
			2	23.18	-1.00	22.18	<=30	Pass
			5	23.25	-1.00	22.25	<=30	Pass
		3	0	23.03	-1.00	22.03	<=30	Pass
			2	23.06	-1.00	22.06	<=30	Pass

	1754.3	6	3	23.06	-1.00	22.06	<=30	Pass
			0	22.15	-1.00	21.15	<=30	Pass
			0	23.38	-1.00	22.38	<=30	Pass
		1	2	23.40	-1.00	22.40	<=30	Pass
			5	23.68	-1.00	22.68	<=30	Pass
			0	23.23	-1.00	22.23	<=30	Pass
		3	2	23.21	-1.00	22.21	<=30	Pass
			3	23.22	-1.00	22.22	<=30	Pass
			0	21.96	-1.00	20.96	<=30	Pass
		6	0	21.96	-1.00	20.96	<=30	Pass
256QAM	1710.7	1	0	19.84	-1.00	18.84	<=30	Pass
			2	19.87	-1.00	18.87	<=30	Pass
			5	19.87	-1.00	18.87	<=30	Pass
		3	0	20.00	-1.00	19.00	<=30	Pass
			2	20.00	-1.00	19.00	<=30	Pass
			3	20.01	-1.00	19.01	<=30	Pass
		6	0	19.95	-1.00	18.95	<=30	Pass
	1732.5	1	0	20.40	-1.00	19.40	<=30	Pass
			2	20.40	-1.00	19.40	<=30	Pass
			5	20.44	-1.00	19.44	<=30	Pass
		3	0	20.01	-1.00	19.01	<=30	Pass
			2	20.00	-1.00	19.00	<=30	Pass
			3	20.00	-1.00	19.00	<=30	Pass
		6	0	20.13	-1.00	19.13	<=30	Pass
	1754.3	1	0	19.96	-1.00	18.96	<=30	Pass
			2	19.97	-1.00	18.97	<=30	Pass
			5	19.99	-1.00	18.99	<=30	Pass
		3	0	20.21	-1.00	19.21	<=30	Pass
			2	20.20	-1.00	19.20	<=30	Pass
			3	20.21	-1.00	19.21	<=30	Pass
		6	0	20.01	-1.00	19.01	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	24.97	-1.00	23.97	<=30	Pass
			7	24.94	-1.00	23.94	<=30	Pass
			14	24.98	-1.00	23.98	<=30	Pass
		8	0	23.93	-1.00	22.93	<=30	Pass
			4	23.97	-1.00	22.97	<=30	Pass
			7	23.99	-1.00	22.99	<=30	Pass
		15	0	23.97	-1.00	22.97	<=30	Pass
	1732.5	1	0	25.23	-1.00	24.23	<=30	Pass
			7	25.28	-1.00	24.28	<=30	Pass
			14	25.28	-1.00	24.28	<=30	Pass
		8	0	24.11	-1.00	23.11	<=30	Pass
			4	24.14	-1.00	23.14	<=30	Pass
			7	24.15	-1.00	23.15	<=30	Pass
		15	0	24.19	-1.00	23.19	<=30	Pass
	1753.5	1	0	25.02	-1.00	24.02	<=30	Pass
			7	25.00	-1.00	24.00	<=30	Pass
			14	25.01	-1.00	24.01	<=30	Pass
		8	0	24.00	-1.00	23.00	<=30	Pass
			4	23.92	-1.00	22.92	<=30	Pass
			7	23.96	-1.00	22.96	<=30	Pass
		15	0	23.94	-1.00	22.94	<=30	Pass
16QAM	1711.5	1	0	23.87	-1.00	22.87	<=30	Pass
			7	23.93	-1.00	22.93	<=30	Pass
			14	23.97	-1.00	22.97	<=30	Pass
		8	0	22.95	-1.00	21.95	<=30	Pass

		15	4	22.97	-1.00	21.97	<=30	Pass
			7	22.99	-1.00	21.99	<=30	Pass
			0	23.00	-1.00	22.00	<=30	Pass
	1732.5	1	0	24.22	-1.00	23.22	<=30	Pass
			7	24.22	-1.00	23.22	<=30	Pass
			14	24.25	-1.00	23.25	<=30	Pass
		8	0	23.09	-1.00	22.09	<=30	Pass
			4	23.09	-1.00	22.09	<=30	Pass
			7	23.12	-1.00	22.12	<=30	Pass
		15	0	23.19	-1.00	22.19	<=30	Pass
	1753.5	1	0	24.31	-1.00	23.31	<=30	Pass
			7	24.31	-1.00	23.31	<=30	Pass
			14	24.36	-1.00	23.36	<=30	Pass
		8	0	23.07	-1.00	22.07	<=30	Pass
			4	23.08	-1.00	22.08	<=30	Pass
			7	23.06	-1.00	22.06	<=30	Pass
		15	0	23.03	-1.00	22.03	<=30	Pass
64QAM	1711.5	1	0	22.87	-1.00	21.87	<=30	Pass
			7	22.95	-1.00	21.95	<=30	Pass
			14	22.97	-1.00	21.97	<=30	Pass
		8	0	21.90	-1.00	20.90	<=30	Pass
			4	21.93	-1.00	20.93	<=30	Pass
			7	21.94	-1.00	20.94	<=30	Pass
		15	0	21.94	-1.00	20.94	<=30	Pass
	1732.5	1	0	23.47	-1.00	22.47	<=30	Pass
			7	23.49	-1.00	22.49	<=30	Pass
			14	23.45	-1.00	22.45	<=30	Pass
		8	0	22.15	-1.00	21.15	<=30	Pass
			4	22.13	-1.00	21.13	<=30	Pass
			7	22.15	-1.00	21.15	<=30	Pass
		15	0	22.12	-1.00	21.12	<=30	Pass
	1753.5	1	0	23.06	-1.00	22.06	<=30	Pass
			7	23.06	-1.00	22.06	<=30	Pass
			14	23.04	-1.00	22.04	<=30	Pass
		8	0	21.89	-1.00	20.89	<=30	Pass
			4	21.92	-1.00	20.92	<=30	Pass
			7	21.92	-1.00	20.92	<=30	Pass
		15	0	21.94	-1.00	20.94	<=30	Pass
256QAM	1711.5	1	0	20.03	-1.00	19.03	<=30	Pass
			7	20.09	-1.00	19.09	<=30	Pass
			14	20.14	-1.00	19.14	<=30	Pass
		8	0	19.93	-1.00	18.93	<=30	Pass
			4	19.96	-1.00	18.96	<=30	Pass
			7	19.94	-1.00	18.94	<=30	Pass
		15	0	20.01	-1.00	19.01	<=30	Pass
	1732.5	1	0	20.03	-1.00	19.03	<=30	Pass
			7	20.07	-1.00	19.07	<=30	Pass
			14	20.08	-1.00	19.08	<=30	Pass
		8	0	20.22	-1.00	19.22	<=30	Pass
			4	20.21	-1.00	19.21	<=30	Pass
			7	20.23	-1.00	19.23	<=30	Pass
		15	0	20.19	-1.00	19.19	<=30	Pass
	1753.5	1	0	20.24	-1.00	19.24	<=30	Pass
			7	20.23	-1.00	19.23	<=30	Pass
			14	20.20	-1.00	19.20	<=30	Pass
		8	0	20.09	-1.00	19.09	<=30	Pass
			4	20.08	-1.00	19.08	<=30	Pass
			7	20.10	-1.00	19.10	<=30	Pass
		15	0	20.02	-1.00	19.02	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1712.5	1	0	24.99	-1.00	23.99	<=30	Pass		
			13	25.07	-1.00	24.07	<=30	Pass		
			24	25.12	-1.00	24.12	<=30	Pass		
		12	0	24.01	-1.00	23.01	<=30	Pass		
			6	24.02	-1.00	23.02	<=30	Pass		
			13	24.07	-1.00	23.07	<=30	Pass		
		25	0	24.05	-1.00	23.05	<=30	Pass		
		1732.5	1	0	25.23	-1.00	24.23	<=30	Pass	
				13	25.25	-1.00	24.25	<=30	Pass	
	24			25.22	-1.00	24.22	<=30	Pass		
	12		0	24.19	-1.00	23.19	<=30	Pass		
			6	24.19	-1.00	23.19	<=30	Pass		
			13	24.22	-1.00	23.22	<=30	Pass		
	25		0	24.26	-1.00	23.26	<=30	Pass		
	1752.5		1	0	25.11	-1.00	24.11	<=30	Pass	
				13	25.02	-1.00	24.02	<=30	Pass	
		24		25.01	-1.00	24.01	<=30	Pass		
		12	0	24.03	-1.00	23.03	<=30	Pass		
			6	23.99	-1.00	22.99	<=30	Pass		
			13	23.98	-1.00	22.98	<=30	Pass		
		25	0	24.06	-1.00	23.06	<=30	Pass		
		16QAM	1712.5	1	0	24.00	-1.00	23.00	<=30	Pass
					13	24.08	-1.00	23.08	<=30	Pass
	24				24.14	-1.00	23.14	<=30	Pass	
12	0			23.06	-1.00	22.06	<=30	Pass		
	6			23.06	-1.00	22.06	<=30	Pass		
	13			23.12	-1.00	22.12	<=30	Pass		
25	0			23.03	-1.00	22.03	<=30	Pass		
1732.5	1			0	24.62	-1.00	23.62	<=30	Pass	
				13	24.62	-1.00	23.62	<=30	Pass	
			24	24.64	-1.00	23.64	<=30	Pass		
	12		0	23.17	-1.00	22.17	<=30	Pass		
			6	23.17	-1.00	22.17	<=30	Pass		
			13	23.18	-1.00	22.18	<=30	Pass		
	25		0	23.17	-1.00	22.17	<=30	Pass		
	1752.5		1	0	24.07	-1.00	23.07	<=30	Pass	
				13	24.00	-1.00	23.00	<=30	Pass	
24				23.97	-1.00	22.97	<=30	Pass		
12			0	23.11	-1.00	22.11	<=30	Pass		
		6	23.10	-1.00	22.10	<=30	Pass			
		13	23.11	-1.00	22.11	<=30	Pass			
25		0	23.12	-1.00	22.12	<=30	Pass			
64QAM		1712.5	1	0	22.99	-1.00	21.99	<=30	Pass	
				13	23.09	-1.00	22.09	<=30	Pass	
	24			23.10	-1.00	22.10	<=30	Pass		
	12		0	22.07	-1.00	21.07	<=30	Pass		
			6	22.08	-1.00	21.08	<=30	Pass		
			13	22.14	-1.00	21.14	<=30	Pass		
	25		0	22.12	-1.00	21.12	<=30	Pass		
	1732.5		1	0	23.31	-1.00	22.31	<=30	Pass	
				13	23.32	-1.00	22.32	<=30	Pass	
		24		23.27	-1.00	22.27	<=30	Pass		
		12	0	22.08	-1.00	21.08	<=30	Pass		
			6	22.08	-1.00	21.08	<=30	Pass		
			13	22.10	-1.00	21.10	<=30	Pass		
		25	0	22.09	-1.00	21.09	<=30	Pass		
		1752.5	1	0	23.09	-1.00	22.09	<=30	Pass	
				13	23.03	-1.00	22.03	<=30	Pass	
	24			23.02	-1.00	22.02	<=30	Pass		
	12		0	22.06	-1.00	21.06	<=30	Pass		
6			22.05	-1.00	21.05	<=30	Pass			

			13	22.05	-1.00	21.05	<=30	Pass	
		25	0	22.10	-1.00	21.10	<=30	Pass	
256QAM	1712.5	1	0	19.86	-1.00	18.86	<=30	Pass	
			13	19.95	-1.00	18.95	<=30	Pass	
			24	20.00	-1.00	19.00	<=30	Pass	
		12	0	20.03	-1.00	19.03	<=30	Pass	
			6	20.04	-1.00	19.04	<=30	Pass	
			13	20.06	-1.00	19.06	<=30	Pass	
		25	0	20.11	-1.00	19.11	<=30	Pass	
		1732.5	1	0	20.27	-1.00	19.27	<=30	Pass
				13	20.27	-1.00	19.27	<=30	Pass
	24			20.38	-1.00	19.38	<=30	Pass	
	12		0	20.22	-1.00	19.22	<=30	Pass	
			6	20.21	-1.00	19.21	<=30	Pass	
			13	20.22	-1.00	19.22	<=30	Pass	
	25		0	20.15	-1.00	19.15	<=30	Pass	
	1752.5		1	0	20.20	-1.00	19.20	<=30	Pass
				13	20.14	-1.00	19.14	<=30	Pass
		24		20.15	-1.00	19.15	<=30	Pass	
		12	0	20.01	-1.00	19.01	<=30	Pass	
			6	20.01	-1.00	19.01	<=30	Pass	
			13	20.02	-1.00	19.02	<=30	Pass	
		25	0	20.03	-1.00	19.03	<=30	Pass	
		Note1: EIRP=Conducted Power+Antenna Gain							

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	24.99	-1.00	23.99	<=30	Pass
			25	25.04	-1.00	24.04	<=30	Pass
			49	25.15	-1.00	24.15	<=30	Pass
		25	0	24.04	-1.00	23.04	<=30	Pass
			13	24.07	-1.00	23.07	<=30	Pass
			25	24.14	-1.00	23.14	<=30	Pass
		50	0	24.09	-1.00	23.09	<=30	Pass
	1732.5	1	0	25.27	-1.00	24.27	<=30	Pass
			25	25.25	-1.00	24.25	<=30	Pass
			49	25.35	-1.00	24.35	<=30	Pass
		25	0	24.19	-1.00	23.19	<=30	Pass
			13	24.19	-1.00	23.19	<=30	Pass
			25	24.25	-1.00	23.25	<=30	Pass
		50	0	24.22	-1.00	23.22	<=30	Pass
	1750	1	0	25.26	-1.00	24.26	<=30	Pass
			25	25.08	-1.00	24.08	<=30	Pass
			49	25.02	-1.00	24.02	<=30	Pass
		25	0	24.15	-1.00	23.15	<=30	Pass
			13	24.04	-1.00	23.04	<=30	Pass
			25	24.01	-1.00	23.01	<=30	Pass
		50	0	24.08	-1.00	23.08	<=30	Pass
16QAM	1715	1	0	24.01	-1.00	23.01	<=30	Pass
			25	24.09	-1.00	23.09	<=30	Pass
			49	24.20	-1.00	23.20	<=30	Pass
		25	0	23.09	-1.00	22.09	<=30	Pass
			13	23.11	-1.00	22.11	<=30	Pass
			25	23.19	-1.00	22.19	<=30	Pass
		50	0	23.07	-1.00	22.07	<=30	Pass
	1732.5	1	0	24.24	-1.00	23.24	<=30	Pass
			25	24.26	-1.00	23.26	<=30	Pass
			49	24.18	-1.00	23.18	<=30	Pass
		25	0	23.15	-1.00	22.15	<=30	Pass

		50	13	23.19	-1.00	22.19	<=30	Pass
			25	23.21	-1.00	22.21	<=30	Pass
			0	23.15	-1.00	22.15	<=30	Pass
	1750	1	0	24.63	-1.00	23.63	<=30	Pass
			25	24.42	-1.00	23.42	<=30	Pass
			49	24.40	-1.00	23.40	<=30	Pass
		25	0	23.17	-1.00	22.17	<=30	Pass
			13	23.02	-1.00	22.02	<=30	Pass
			25	23.02	-1.00	22.02	<=30	Pass
		50	0	23.07	-1.00	22.07	<=30	Pass
64QAM	1715	1	0	22.92	-1.00	21.92	<=30	Pass
			25	22.95	-1.00	21.95	<=30	Pass
			49	23.14	-1.00	22.14	<=30	Pass
		25	0	22.02	-1.00	21.02	<=30	Pass
			13	22.05	-1.00	21.05	<=30	Pass
			25	22.11	-1.00	21.11	<=30	Pass
		50	0	22.10	-1.00	21.10	<=30	Pass
	1732.5	1	0	23.48	-1.00	22.48	<=30	Pass
			25	23.40	-1.00	22.40	<=30	Pass
			49	23.54	-1.00	22.54	<=30	Pass
		25	0	22.16	-1.00	21.16	<=30	Pass
			13	22.18	-1.00	21.18	<=30	Pass
			25	22.23	-1.00	21.23	<=30	Pass
		50	0	22.13	-1.00	21.13	<=30	Pass
	1750	1	0	23.33	-1.00	22.33	<=30	Pass
			25	23.10	-1.00	22.10	<=30	Pass
			49	23.10	-1.00	22.10	<=30	Pass
		25	0	22.18	-1.00	21.18	<=30	Pass
			13	22.05	-1.00	21.05	<=30	Pass
			25	22.02	-1.00	21.02	<=30	Pass
		50	0	22.04	-1.00	21.04	<=30	Pass
256QAM	1715	1	0	20.12	-1.00	19.12	<=30	Pass
			25	20.17	-1.00	19.17	<=30	Pass
			49	20.31	-1.00	19.31	<=30	Pass
		25	0	20.02	-1.00	19.02	<=30	Pass
			13	20.06	-1.00	19.06	<=30	Pass
			25	20.12	-1.00	19.12	<=30	Pass
		50	0	20.08	-1.00	19.08	<=30	Pass
	1732.5	1	0	20.15	-1.00	19.15	<=30	Pass
			25	20.09	-1.00	19.09	<=30	Pass
			49	20.20	-1.00	19.20	<=30	Pass
		25	0	20.12	-1.00	19.12	<=30	Pass
			13	20.12	-1.00	19.12	<=30	Pass
			25	20.19	-1.00	19.19	<=30	Pass
		50	0	20.15	-1.00	19.15	<=30	Pass
	1750	1	0	20.51	-1.00	19.51	<=30	Pass
			25	20.28	-1.00	19.28	<=30	Pass
			49	20.25	-1.00	19.25	<=30	Pass
		25	0	20.16	-1.00	19.16	<=30	Pass
			13	20.02	-1.00	19.02	<=30	Pass
25			20.01	-1.00	19.01	<=30	Pass	
50		0	20.08	-1.00	19.08	<=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	25.04	-1.00	24.04	<=30	Pass
			38	25.15	-1.00	24.15	<=30	Pass
			74	25.15	-1.00	24.15	<=30	Pass

		36	0	24.08	-1.00	23.08	<=30	Pass		
			18	24.12	-1.00	23.12	<=30	Pass		
			39	24.14	-1.00	23.14	<=30	Pass		
		75	0	24.14	-1.00	23.14	<=30	Pass		
			1732.5	1	0	25.30	-1.00	24.30	<=30	Pass
					38	25.35	-1.00	24.35	<=30	Pass
		74			25.39	-1.00	24.39	<=30	Pass	
		36		0	24.15	-1.00	23.15	<=30	Pass	
				18	24.19	-1.00	23.19	<=30	Pass	
	39			24.24	-1.00	23.24	<=30	Pass		
	75	0	24.22	-1.00	23.22	<=30	Pass			
		1747.5	1	0	25.40	-1.00	24.40	<=30	Pass	
				38	25.29	-1.00	24.29	<=30	Pass	
	74			25.10	-1.00	24.10	<=30	Pass		
	36		0	24.23	-1.00	23.23	<=30	Pass		
			18	24.15	-1.00	23.15	<=30	Pass		
			39	24.05	-1.00	23.05	<=30	Pass		
	75		0	24.18	-1.00	23.18	<=30	Pass		
16QAM			1717.5	1	0	24.04	-1.00	23.04	<=30	Pass
					38	24.19	-1.00	23.19	<=30	Pass
	74	24.19			-1.00	23.19	<=30	Pass		
	36	0		23.11	-1.00	22.11	<=30	Pass		
		18		23.14	-1.00	22.14	<=30	Pass		
		39		23.18	-1.00	22.18	<=30	Pass		
	75	0		23.17	-1.00	22.17	<=30	Pass		
	1732.5	1		0	24.26	-1.00	23.26	<=30	Pass	
				38	24.33	-1.00	23.33	<=30	Pass	
			74	24.38	-1.00	23.38	<=30	Pass		
		36	0	23.14	-1.00	22.14	<=30	Pass		
			18	23.18	-1.00	22.18	<=30	Pass		
			39	23.23	-1.00	22.23	<=30	Pass		
	75	0	23.18	-1.00	22.18	<=30	Pass			
	1747.5	1	0	24.27	-1.00	23.27	<=30	Pass		
			38	24.16	-1.00	23.16	<=30	Pass		
			74	23.96	-1.00	22.96	<=30	Pass		
		36	0	23.28	-1.00	22.28	<=30	Pass		
18			23.19	-1.00	22.19	<=30	Pass			
39			23.05	-1.00	22.05	<=30	Pass			
75	0	23.16	-1.00	22.16	<=30	Pass				
64QAM	1717.5	1	0	22.96	-1.00	21.96	<=30	Pass		
			38	23.08	-1.00	22.08	<=30	Pass		
			74	23.09	-1.00	22.09	<=30	Pass		
		36	0	22.12	-1.00	21.12	<=30	Pass		
			18	22.16	-1.00	21.16	<=30	Pass		
			39	22.18	-1.00	21.18	<=30	Pass		
		75	0	22.16	-1.00	21.16	<=30	Pass		
		1732.5	1	0	23.50	-1.00	22.50	<=30	Pass	
				38	23.48	-1.00	22.48	<=30	Pass	
	74			23.56	-1.00	22.56	<=30	Pass		
	36		0	22.12	-1.00	21.12	<=30	Pass		
			18	22.14	-1.00	21.14	<=30	Pass		
			39	22.18	-1.00	21.18	<=30	Pass		
	75	0	22.18	-1.00	21.18	<=30	Pass			
	1747.5	1	0	23.37	-1.00	22.37	<=30	Pass		
			38	23.22	-1.00	22.22	<=30	Pass		
			74	23.09	-1.00	22.09	<=30	Pass		
		36	0	22.28	-1.00	21.28	<=30	Pass		
18			22.19	-1.00	21.19	<=30	Pass			
39			22.04	-1.00	21.04	<=30	Pass			
75		0	22.14	-1.00	21.14	<=30	Pass			
256QAM		1717.5	1	0	20.16	-1.00	19.16	<=30	Pass	
				38	20.30	-1.00	19.30	<=30	Pass	
	74			20.30	-1.00	19.30	<=30	Pass		
	36		0	20.13	-1.00	19.13	<=30	Pass		

			18	20.16	-1.00	19.16	<=30	Pass
			39	20.19	-1.00	19.19	<=30	Pass
		75	0	20.15	-1.00	19.15	<=30	Pass
	1732.5	1	0	20.15	-1.00	19.15	<=30	Pass
			38	20.17	-1.00	19.17	<=30	Pass
			74	20.23	-1.00	19.23	<=30	Pass
		36	0	20.12	-1.00	19.12	<=30	Pass
			18	20.16	-1.00	19.16	<=30	Pass
			39	20.22	-1.00	19.22	<=30	Pass
		75	0	20.19	-1.00	19.19	<=30	Pass
		1747.5	1	0	20.34	-1.00	19.34	<=30
	38			20.17	-1.00	19.17	<=30	Pass
	74			20.03	-1.00	19.03	<=30	Pass
	36		0	20.25	-1.00	19.25	<=30	Pass
			18	20.15	-1.00	19.15	<=30	Pass
			39	20.02	-1.00	19.02	<=30	Pass
	75		0	20.18	-1.00	19.18	<=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	25.02	-1.00	24.02	<=30	Pass
			50	25.12	-1.00	24.12	<=30	Pass
			99	25.13	-1.00	24.13	<=30	Pass
		50	0	24.13	-1.00	23.13	<=30	Pass
			25	24.17	-1.00	23.17	<=30	Pass
			50	24.21	-1.00	23.21	<=30	Pass
		100	0	24.20	-1.00	23.20	<=30	Pass
	1732.5	1	0	25.09	-1.00	24.09	<=30	Pass
			50	25.19	-1.00	24.19	<=30	Pass
			99	25.33	-1.00	24.33	<=30	Pass
		50	0	24.24	-1.00	23.24	<=30	Pass
			25	24.28	-1.00	23.28	<=30	Pass
			50	24.33	-1.00	23.33	<=30	Pass
		100	0	24.27	-1.00	23.27	<=30	Pass
	1745	1	0	25.31	-1.00	24.31	<=30	Pass
			50	25.31	-1.00	24.31	<=30	Pass
			99	25.02	-1.00	24.02	<=30	Pass
		50	0	24.32	-1.00	23.32	<=30	Pass
			25	24.24	-1.00	23.24	<=30	Pass
			50	24.12	-1.00	23.12	<=30	Pass
		100	0	24.22	-1.00	23.22	<=30	Pass
16QAM	1720	1	0	24.36	-1.00	23.36	<=30	Pass
			50	24.55	-1.00	23.55	<=30	Pass
			99	24.56	-1.00	23.56	<=30	Pass
		50	0	23.17	-1.00	22.17	<=30	Pass
			25	23.19	-1.00	22.19	<=30	Pass
			50	23.21	-1.00	22.21	<=30	Pass
		100	0	23.18	-1.00	22.18	<=30	Pass
	1732.5	1	0	24.09	-1.00	23.09	<=30	Pass
			50	24.23	-1.00	23.23	<=30	Pass
			99	24.28	-1.00	23.28	<=30	Pass
		50	0	23.18	-1.00	22.18	<=30	Pass
			25	23.23	-1.00	22.23	<=30	Pass
			50	23.27	-1.00	22.27	<=30	Pass
		100	0	23.25	-1.00	22.25	<=30	Pass
	1745	1	0	24.54	-1.00	23.54	<=30	Pass
			50	24.28	-1.00	23.28	<=30	Pass
			99	24.02	-1.00	23.02	<=30	Pass

		50	0	23.28	-1.00	22.28	<=30	Pass
			25	23.24	-1.00	22.24	<=30	Pass
			50	23.11	-1.00	22.11	<=30	Pass
64QAM	1720	100	0	23.20	-1.00	22.20	<=30	Pass
			0	23.18	-1.00	22.18	<=30	Pass
			50	23.35	-1.00	22.35	<=30	Pass
		1	99	23.31	-1.00	22.31	<=30	Pass
			0	22.10	-1.00	21.10	<=30	Pass
			25	22.13	-1.00	21.13	<=30	Pass
		50	50	22.14	-1.00	21.14	<=30	Pass
			0	22.18	-1.00	21.18	<=30	Pass
			100	22.18	-1.00	21.18	<=30	Pass
	1732.5	1	0	23.21	-1.00	22.21	<=30	Pass
			50	23.16	-1.00	22.16	<=30	Pass
			99	23.26	-1.00	22.26	<=30	Pass
		50	0	22.20	-1.00	21.20	<=30	Pass
			25	22.27	-1.00	21.27	<=30	Pass
			50	22.32	-1.00	21.32	<=30	Pass
		100	0	22.26	-1.00	21.26	<=30	Pass
			0	23.11	-1.00	22.11	<=30	Pass
			50	23.08	-1.00	22.08	<=30	Pass
256QAM	1720	1	99	22.82	-1.00	21.82	<=30	Pass
			0	22.31	-1.00	21.31	<=30	Pass
			25	22.28	-1.00	21.28	<=30	Pass
		50	50	22.15	-1.00	21.15	<=30	Pass
			0	22.20	-1.00	21.20	<=30	Pass
			100	22.20	-1.00	21.20	<=30	Pass
		100	0	20.31	-1.00	19.31	<=30	Pass
			50	20.48	-1.00	19.48	<=30	Pass
			99	20.41	-1.00	19.41	<=30	Pass
	1732.5	1	0	20.15	-1.00	19.15	<=30	Pass
			25	20.19	-1.00	19.19	<=30	Pass
			50	20.21	-1.00	19.21	<=30	Pass
		50	0	20.20	-1.00	19.20	<=30	Pass
			0	20.40	-1.00	19.40	<=30	Pass
			50	20.40	-1.00	19.40	<=30	Pass
		100	99	20.48	-1.00	19.48	<=30	Pass
			0	20.18	-1.00	19.18	<=30	Pass
			25	20.21	-1.00	19.21	<=30	Pass
	1745	1	50	20.28	-1.00	19.28	<=30	Pass
			0	20.21	-1.00	19.21	<=30	Pass
			100	20.21	-1.00	19.21	<=30	Pass
		50	0	20.40	-1.00	19.40	<=30	Pass
			50	20.38	-1.00	19.38	<=30	Pass
			99	20.13	-1.00	19.13	<=30	Pass
		100	0	20.31	-1.00	19.31	<=30	Pass
			25	20.26	-1.00	19.26	<=30	Pass
			50	20.14	-1.00	19.14	<=30	Pass
		100	0	20.19	-1.00	19.19	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1732.5	50	0	20	LV	-1.544	-0.0009	-2.5 to 2.5	Pass
					NV	-5.727	-0.0033	-2.5 to 2.5	Pass
					HV	0.289	0.0002	-2.5 to 2.5	Pass
				-30	NV	-3.529	-0.0020	-2.5 to 2.5	Pass

				-20	NV	4.162	0.0024	-2.5 to 2.5	Pass
				-10	NV	-1.444	-0.0008	-2.5 to 2.5	Pass
				0	NV	3.130	0.0018	-2.5 to 2.5	Pass
				10	NV	4.816	0.0028	-2.5 to 2.5	Pass
				30	NV	2.576	0.0015	-2.5 to 2.5	Pass
				40	NV	-4.450	-0.0026	-2.5 to 2.5	Pass
				50	NV	1.177	0.0007	-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	1732.5	6	0	1.111	/	Pass
	16QAM	1732.5	6	0	1.112	/	Pass
	64QAM	1732.5	6	0	1.104	/	Pass
	256QAM	1732.5	6	0	1.099	/	Pass
3	QPSK	1732.5	15	0	2.742	/	Pass
	16QAM	1732.5	15	0	2.745	/	Pass
	64QAM	1732.5	15	0	2.734	/	Pass
	256QAM	1732.5	15	0	2.731	/	Pass
5	QPSK	1732.5	25	0	4.564	/	Pass
	16QAM	1732.5	25	0	4.540	/	Pass
	64QAM	1732.5	25	0	4.560	/	Pass
	256QAM	1732.5	25	0	4.554	/	Pass
10	QPSK	1732.5	50	0	9.065	/	Pass
	16QAM	1732.5	50	0	9.093	/	Pass
	64QAM	1732.5	50	0	9.042	/	Pass
	256QAM	1732.5	50	0	9.055	/	Pass
15	QPSK	1732.5	75	0	13.592	/	Pass
	16QAM	1732.5	75	0	13.573	/	Pass
	64QAM	1732.5	75	0	13.603	/	Pass
	256QAM	1732.5	75	0	13.581	/	Pass
20	QPSK	1732.5	100	0	18.125	/	Pass
	16QAM	1732.5	100	0	18.168	/	Pass
	64QAM	1732.5	100	0	18.078	/	Pass
	256QAM	1732.5	100	0	18.092	/	Pass

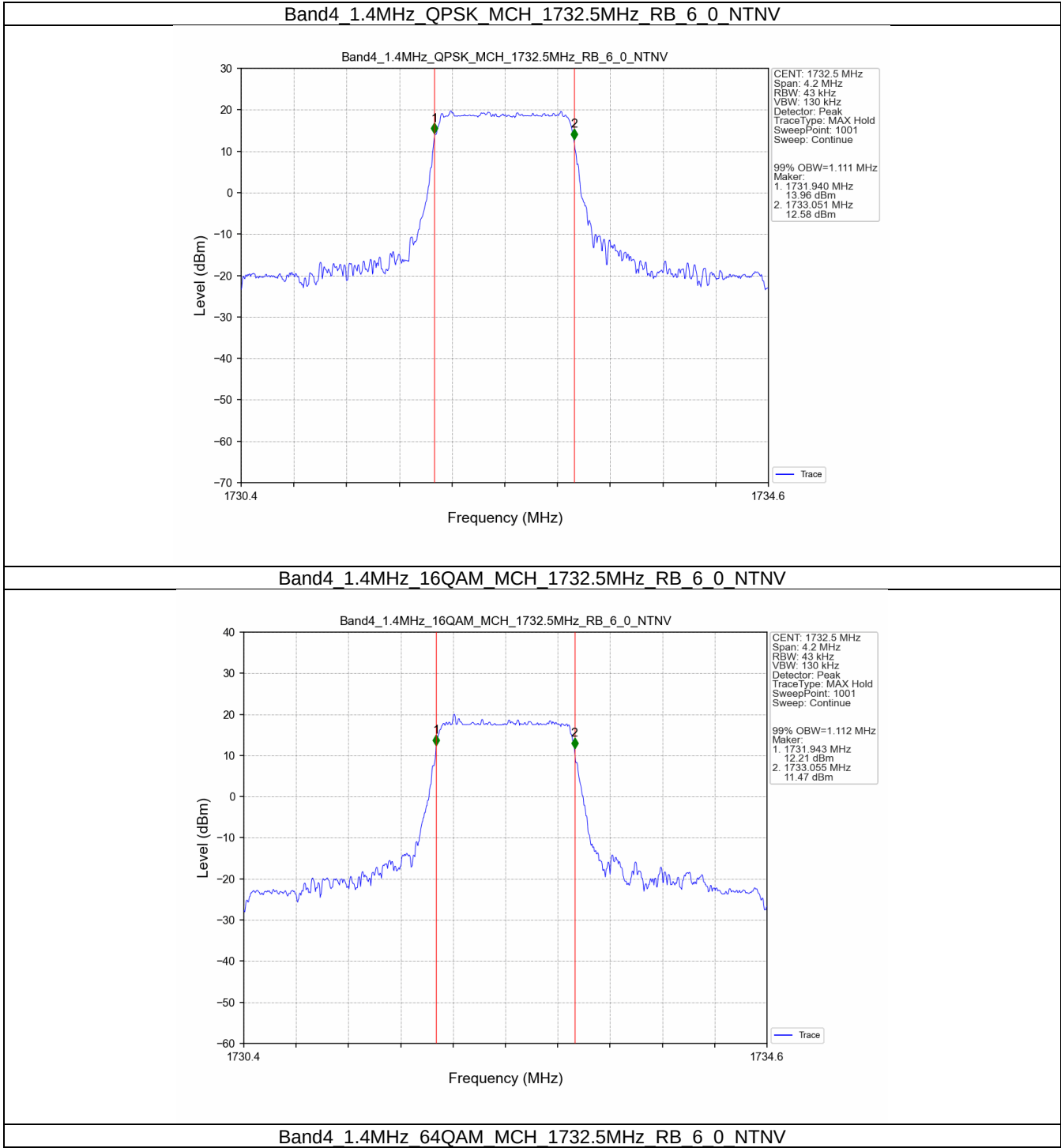
3.1.2 Band4_XDB

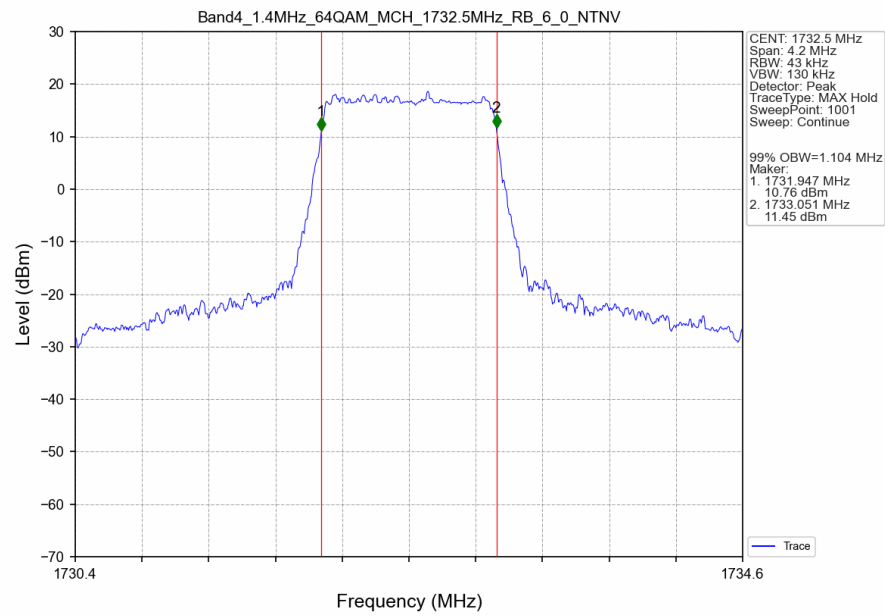
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1732.5	6	0	1.325	/	Pass
	16QAM	1732.5	6	0	1.323	/	Pass
	64QAM	1732.5	6	0	1.313	/	Pass
	256QAM	1732.5	6	0	1.314	/	Pass
3	QPSK	1732.5	15	0	3.014	/	Pass
	16QAM	1732.5	15	0	3.010	/	Pass
	64QAM	1732.5	15	0	3.025	/	Pass
	256QAM	1732.5	15	0	3.045	/	Pass
5	QPSK	1732.5	25	0	5.067	/	Pass
	16QAM	1732.5	25	0	5.042	/	Pass
	64QAM	1732.5	25	0	5.052	/	Pass
	256QAM	1732.5	25	0	5.067	/	Pass
10	QPSK	1732.5	50	0	9.960	/	Pass

	16QAM	1732.5	50	0	9.947	/	Pass
	64QAM	1732.5	50	0	9.984	/	Pass
	256QAM	1732.5	50	0	10.018	/	Pass
15	QPSK	1732.5	75	0	15.000	/	Pass
	16QAM	1732.5	75	0	14.986	/	Pass
	64QAM	1732.5	75	0	14.965	/	Pass
	256QAM	1732.5	75	0	14.876	/	Pass
20	QPSK	1732.5	100	0	19.780	/	Pass
	16QAM	1732.5	100	0	19.851	/	Pass
	64QAM	1732.5	100	0	19.843	/	Pass
	256QAM	1732.5	100	0	19.784	/	Pass

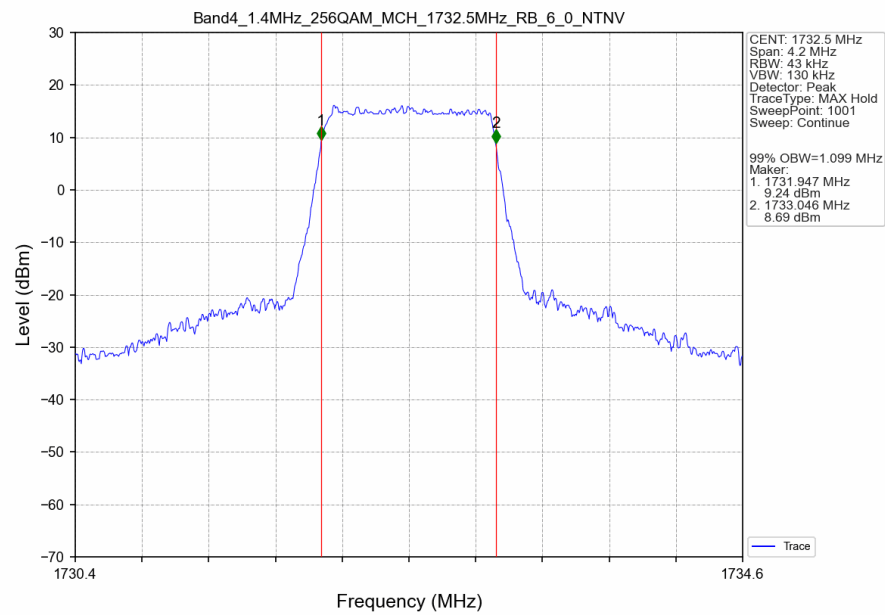
3.2 Test Graph

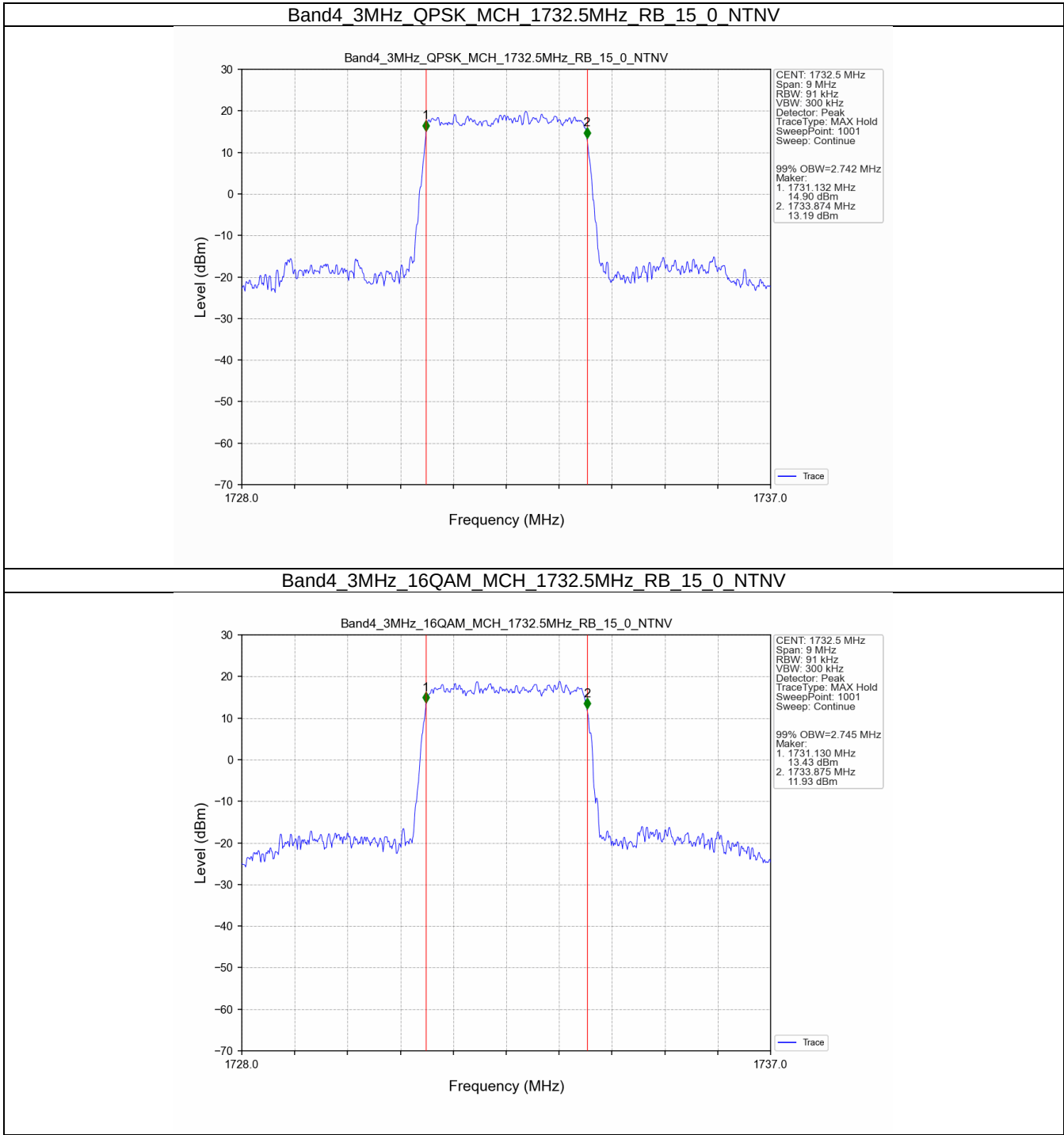
3.2.1 Band4_OBW



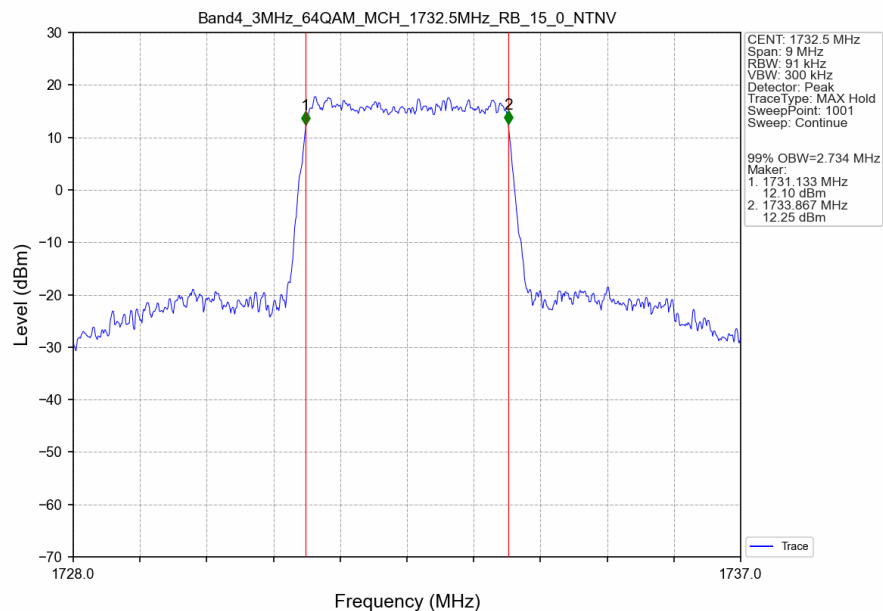


Band4 1.4MHz 256QAM MCH 1732.5MHz RB 6 0 NTN

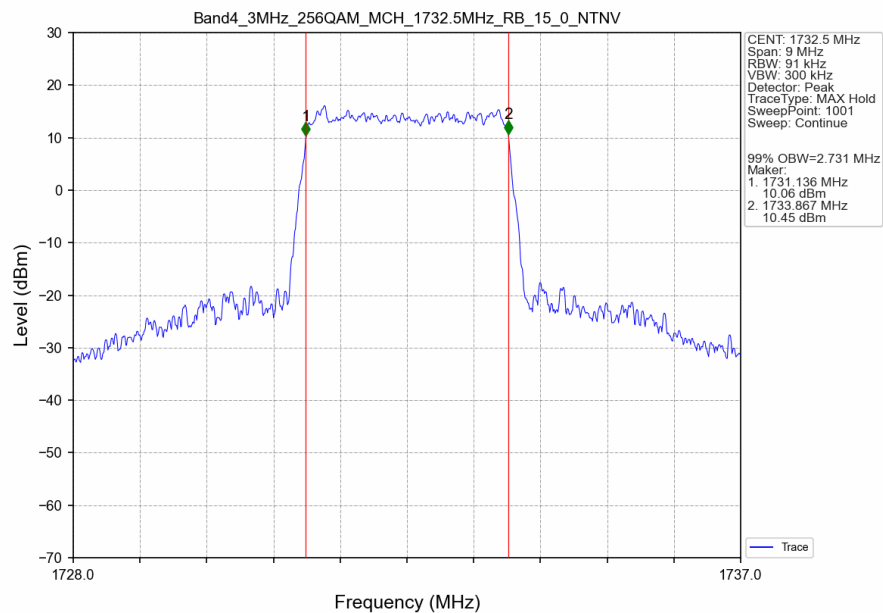




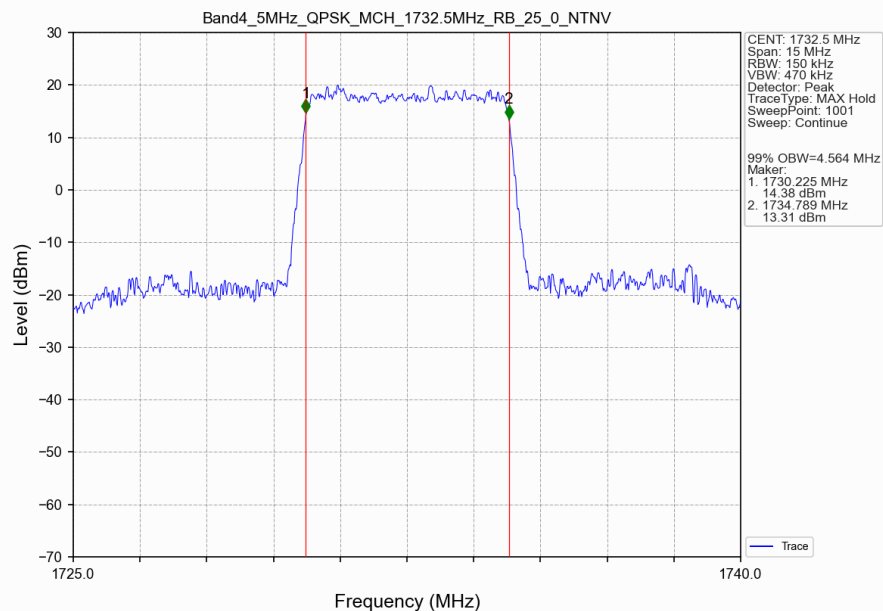
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



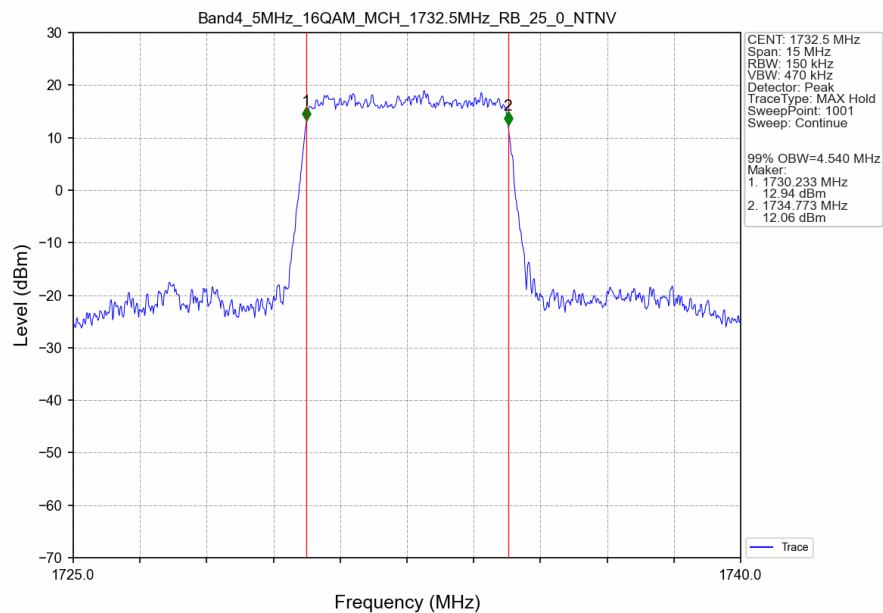
Band4_3MHz_256QAM_MCH_1732.5MHz_RB_15_0_NTNV

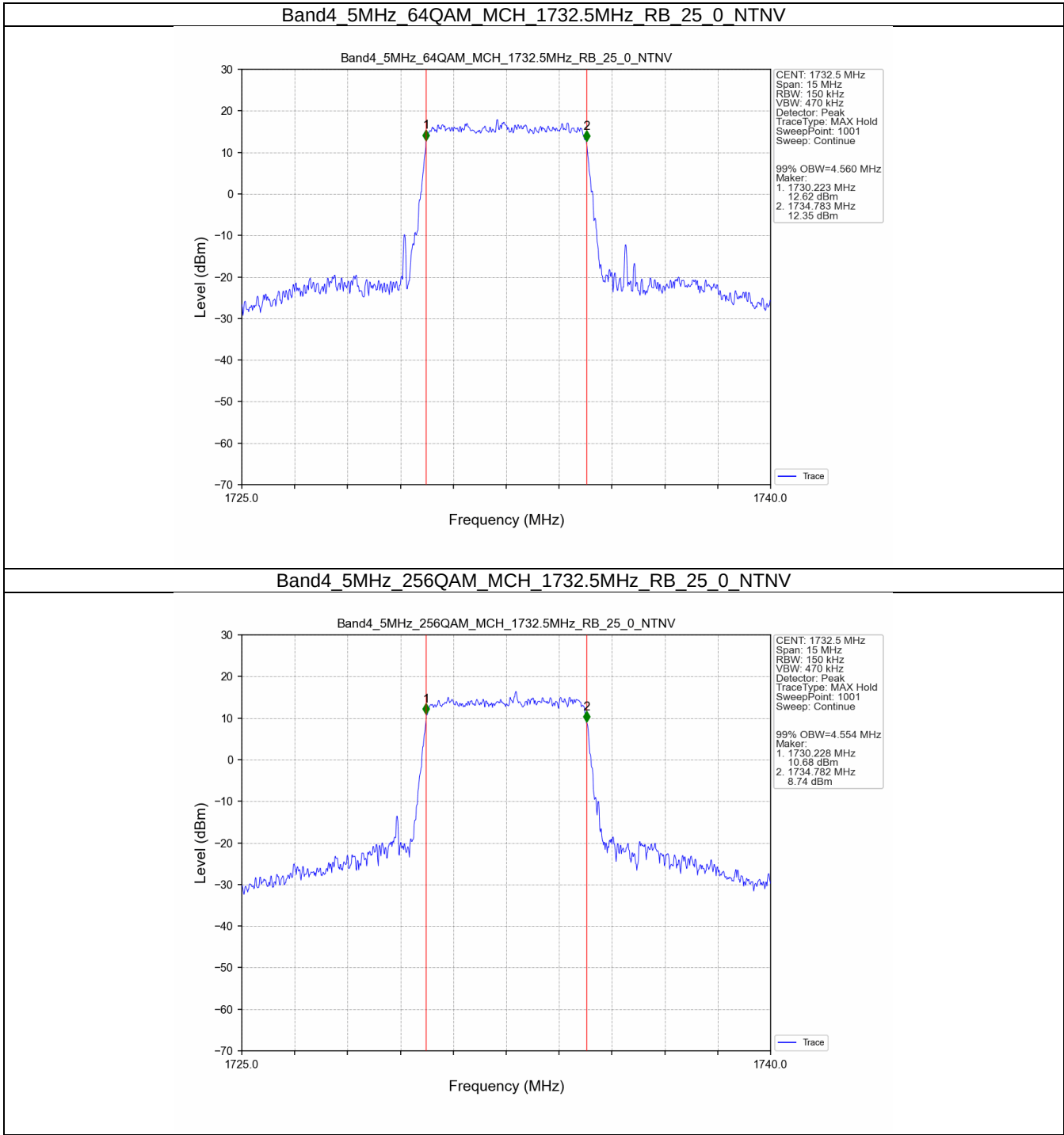


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

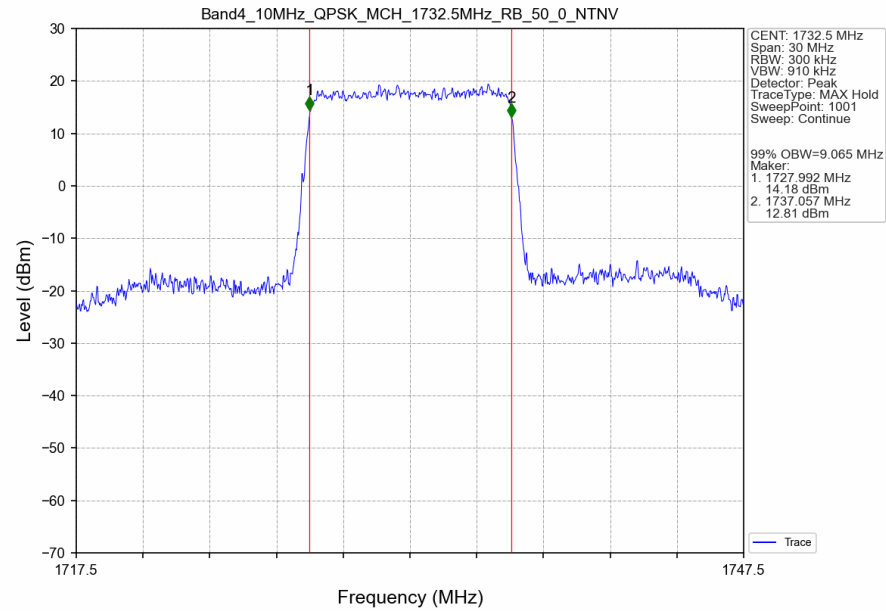


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

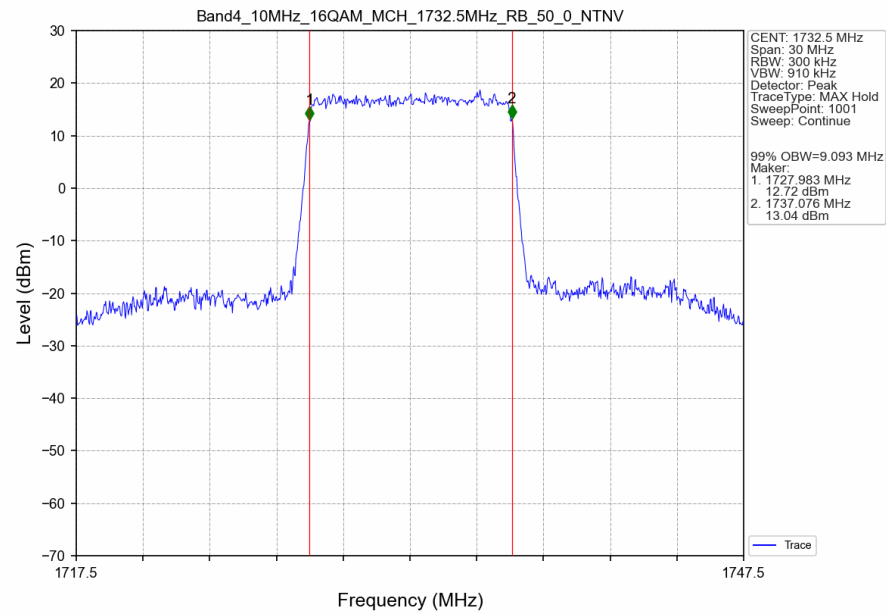




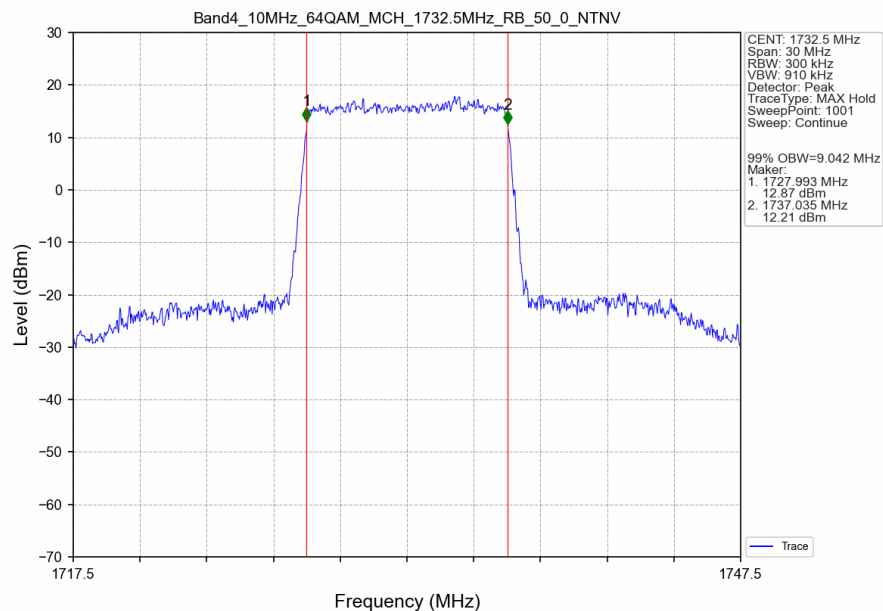
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



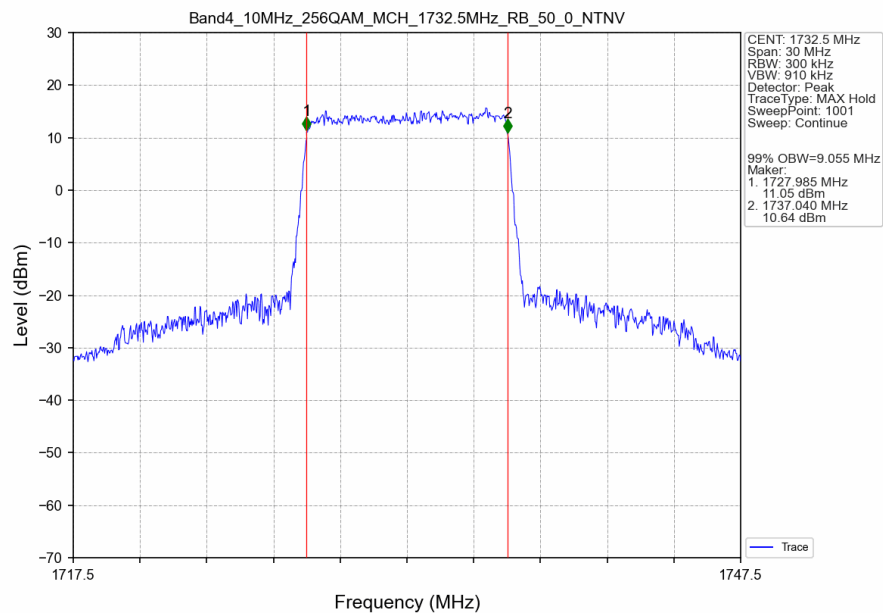
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



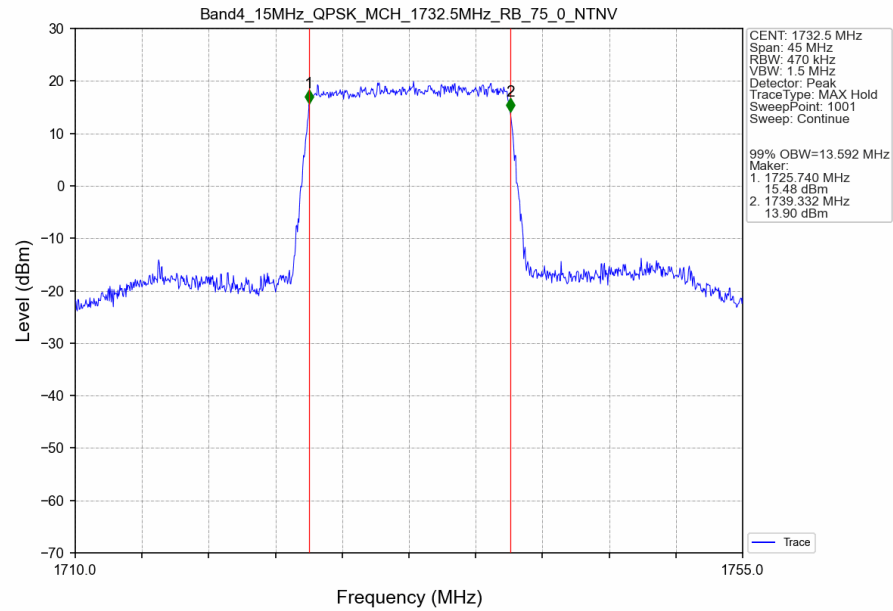
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



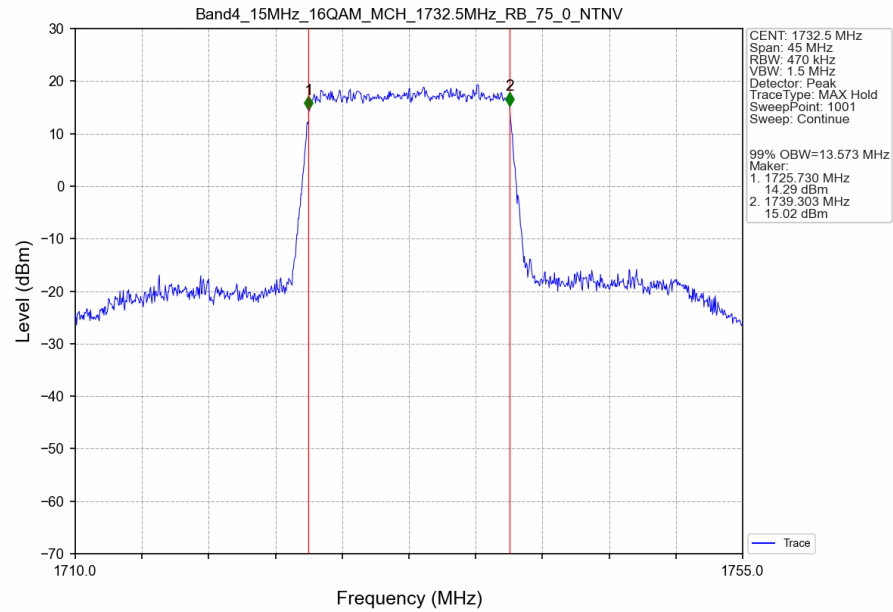
Band4_10MHz_256QAM_MCH_1732.5MHz_RB_50_0_NTNV

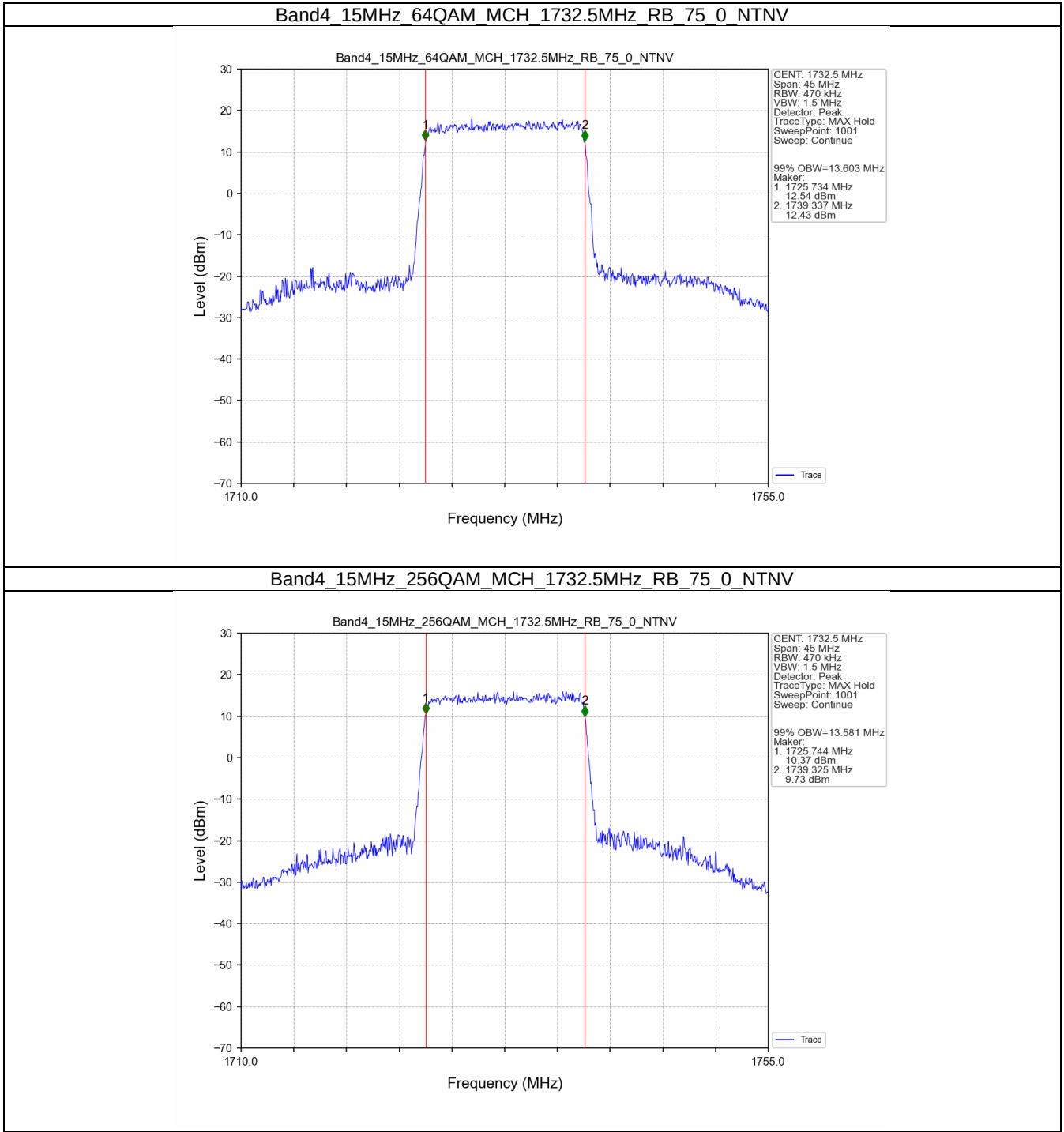


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

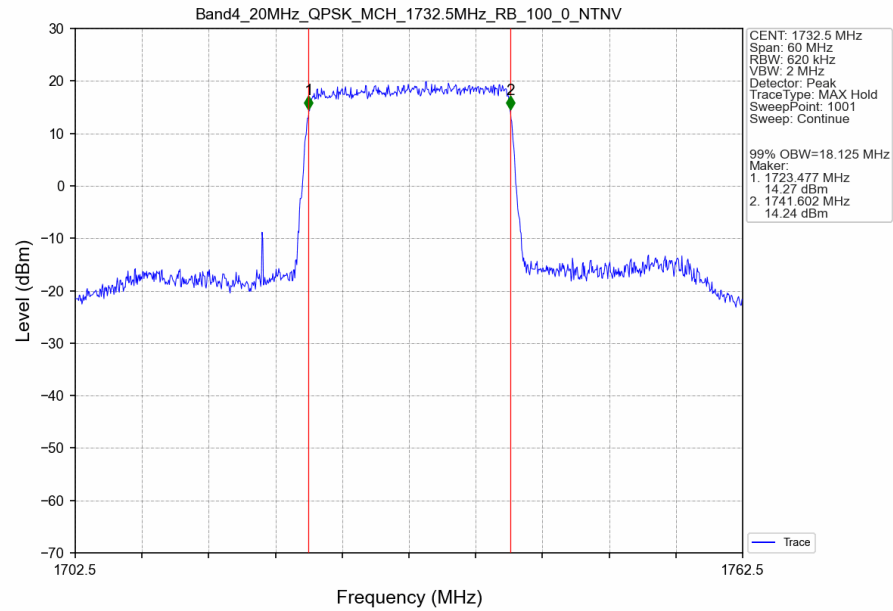


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

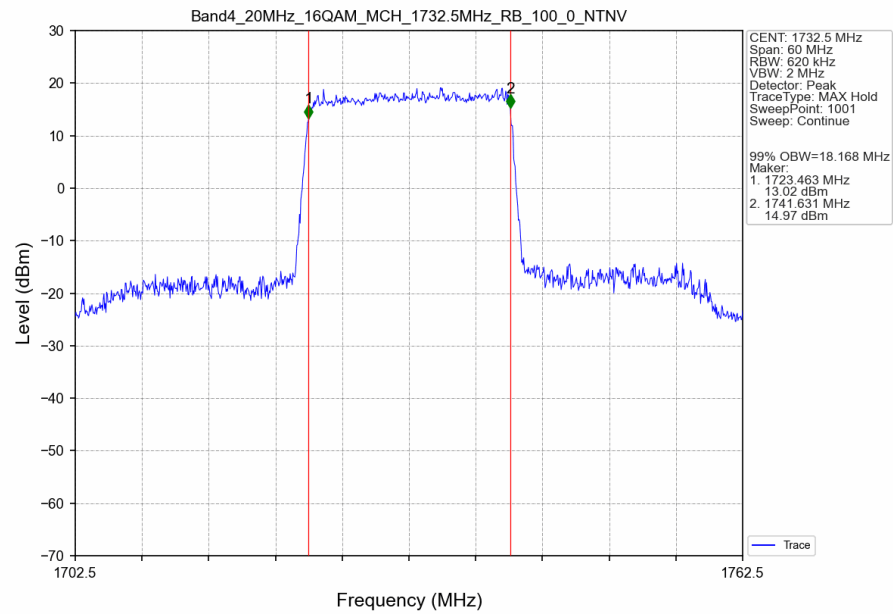




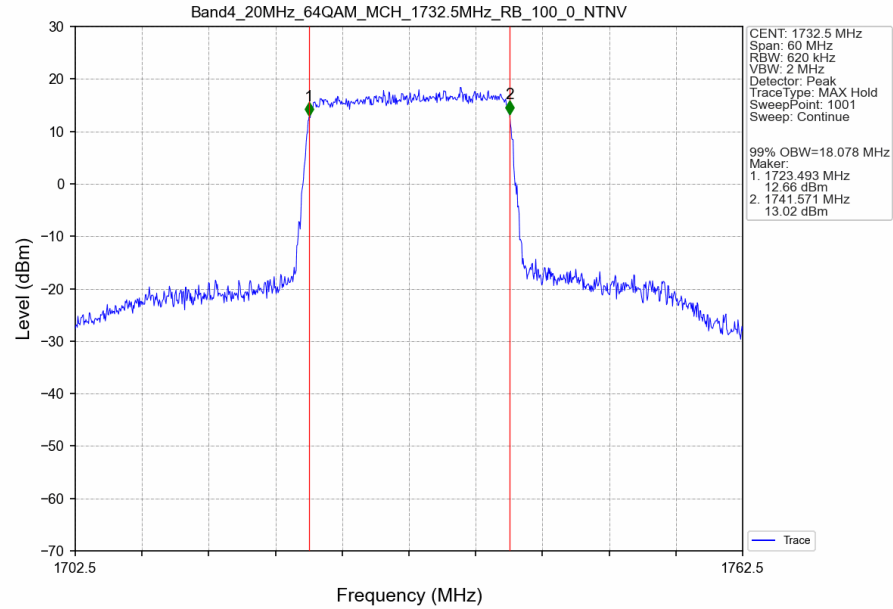
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



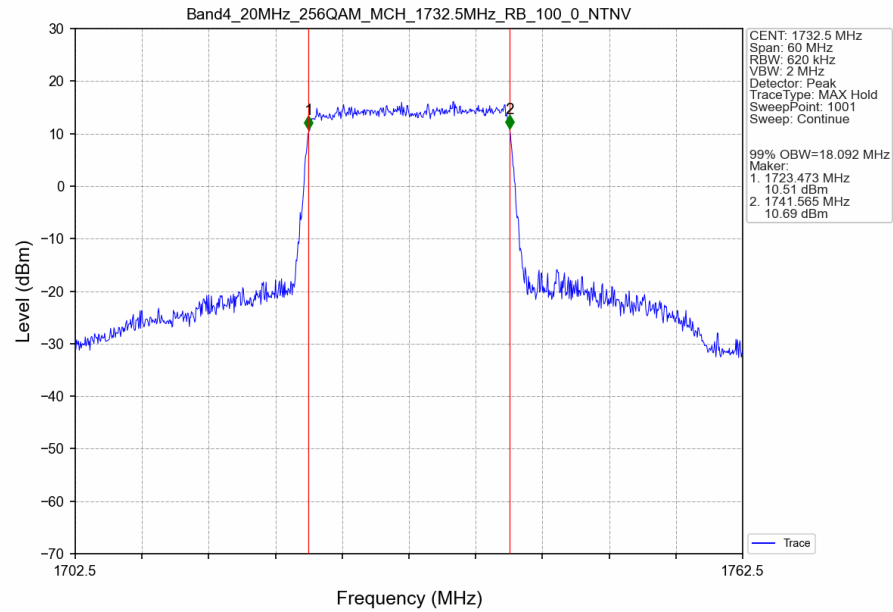
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



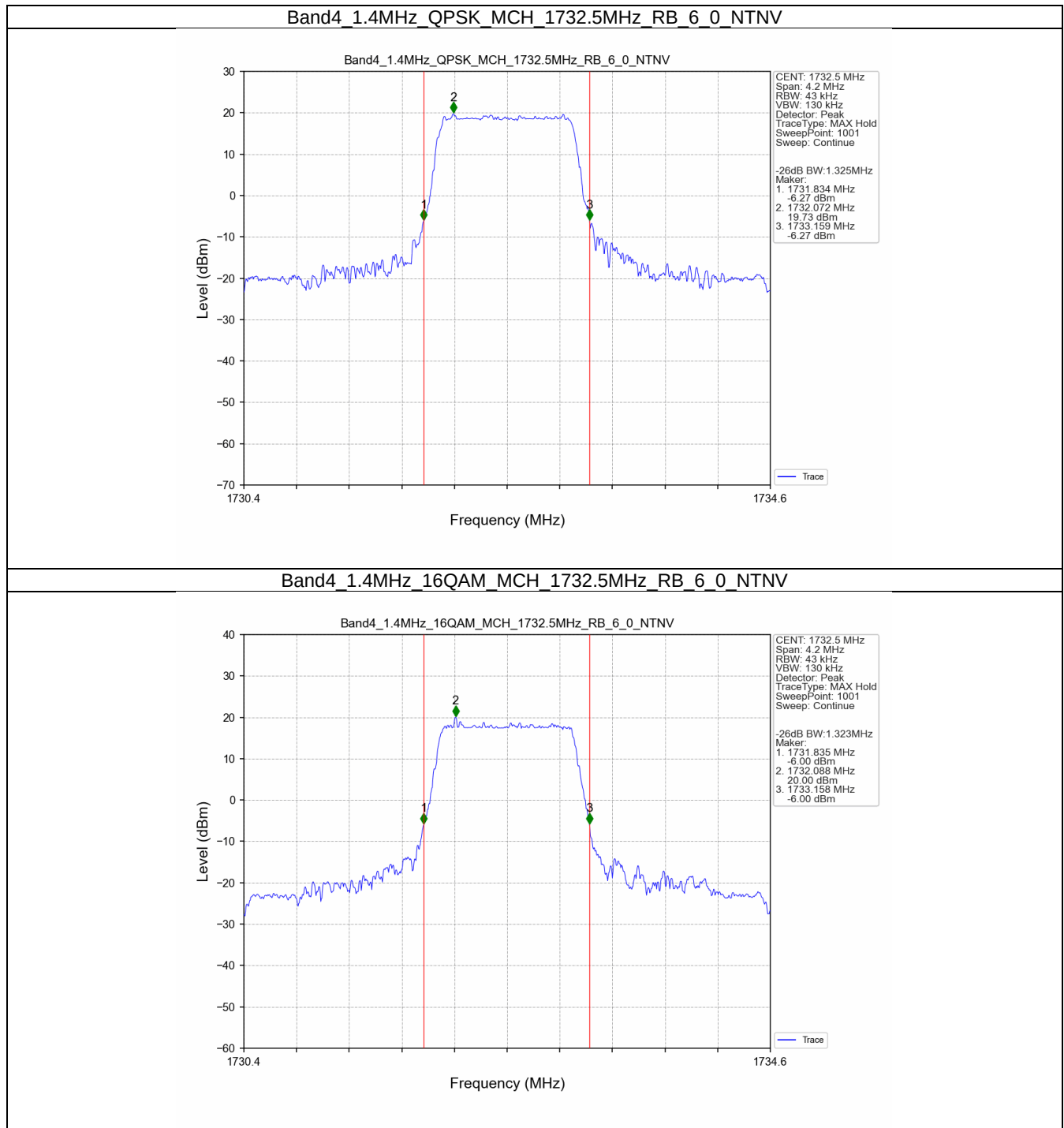
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



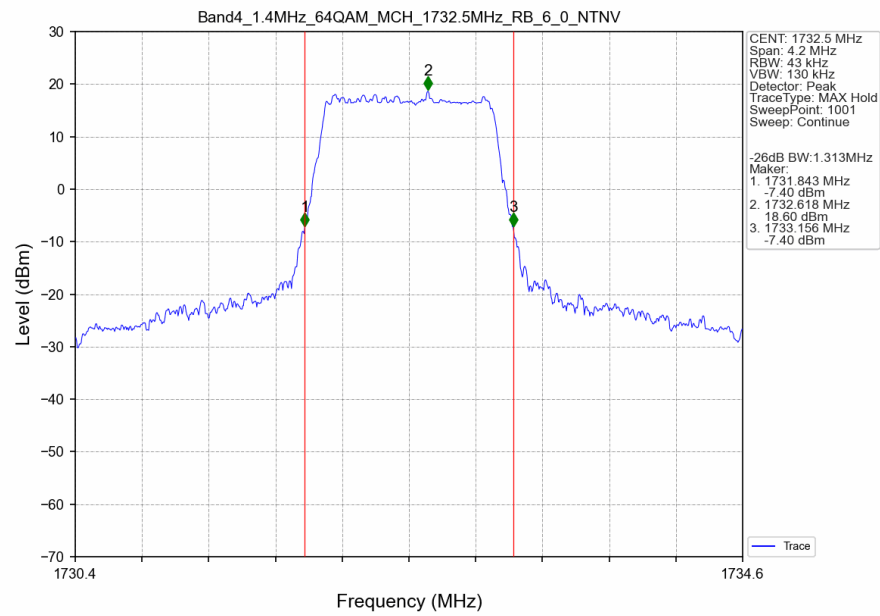
Band4_20MHz_256QAM_MCH_1732.5MHz_RB_100_0_NTNV



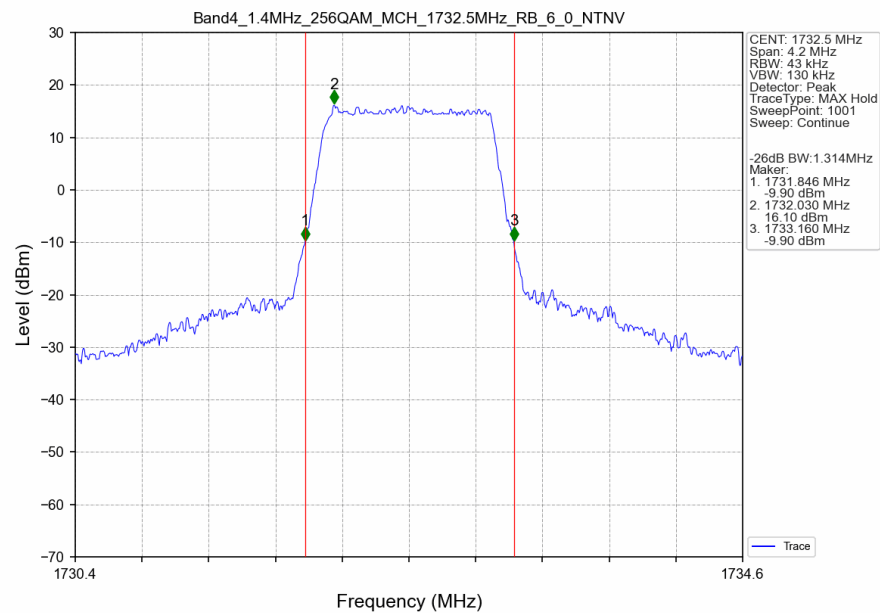
3.2.2 Band4_XDB



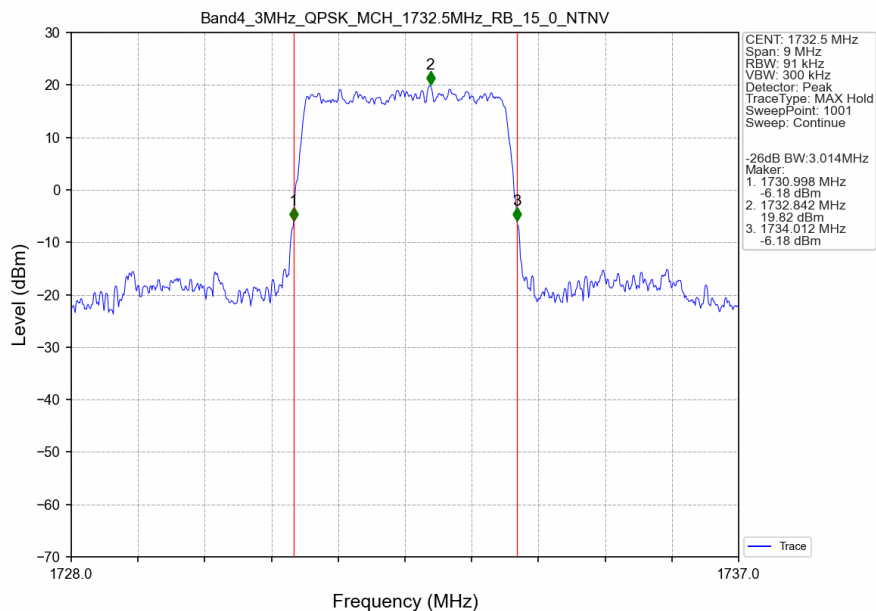
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_6_0_NTNV



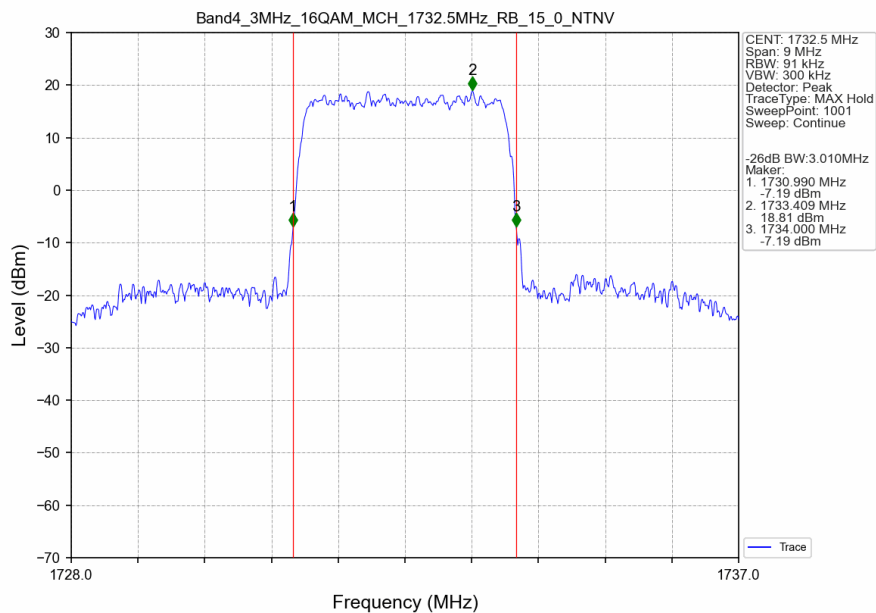
Band4 1.4MHz 256QAM MCH 1732.5MHz RB 6 0 NTN

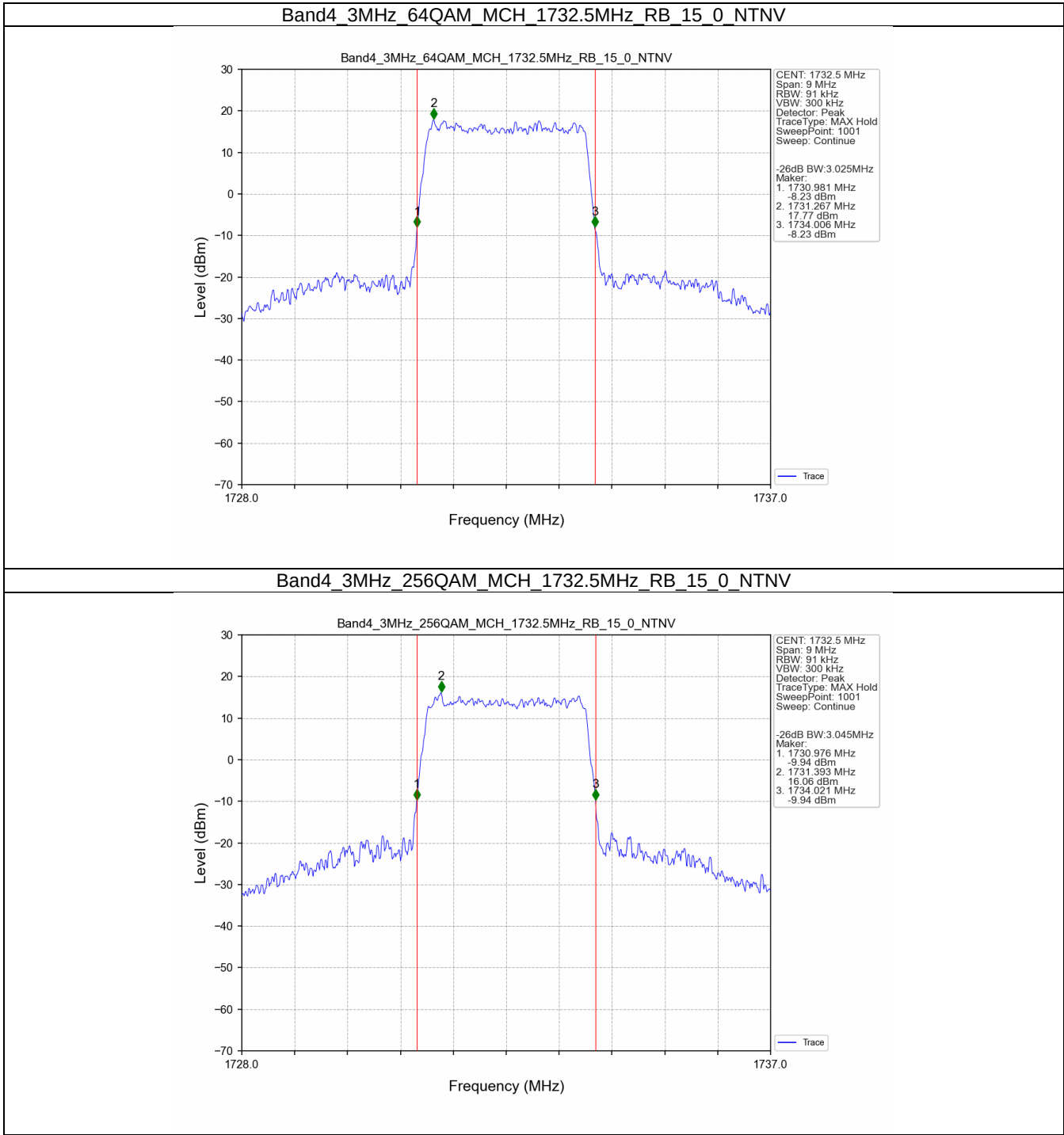


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

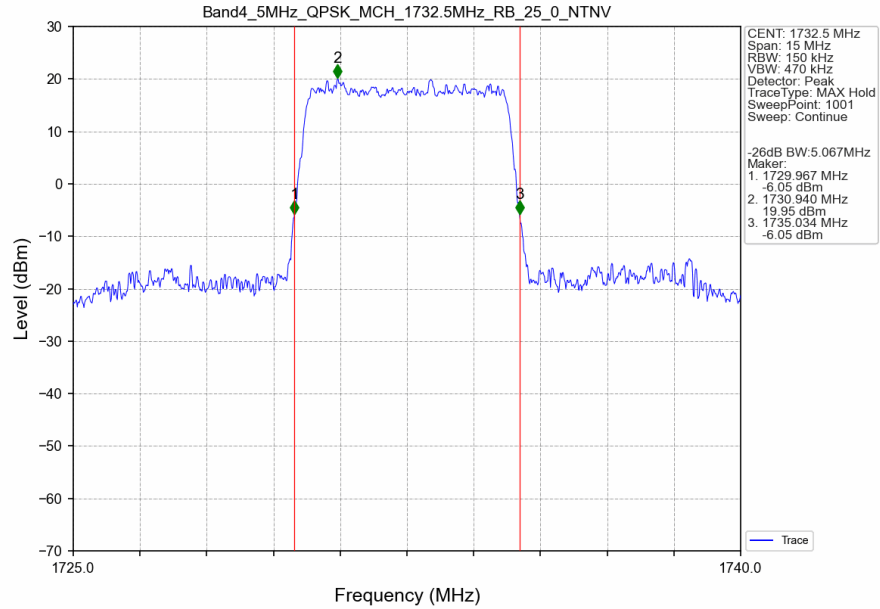


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

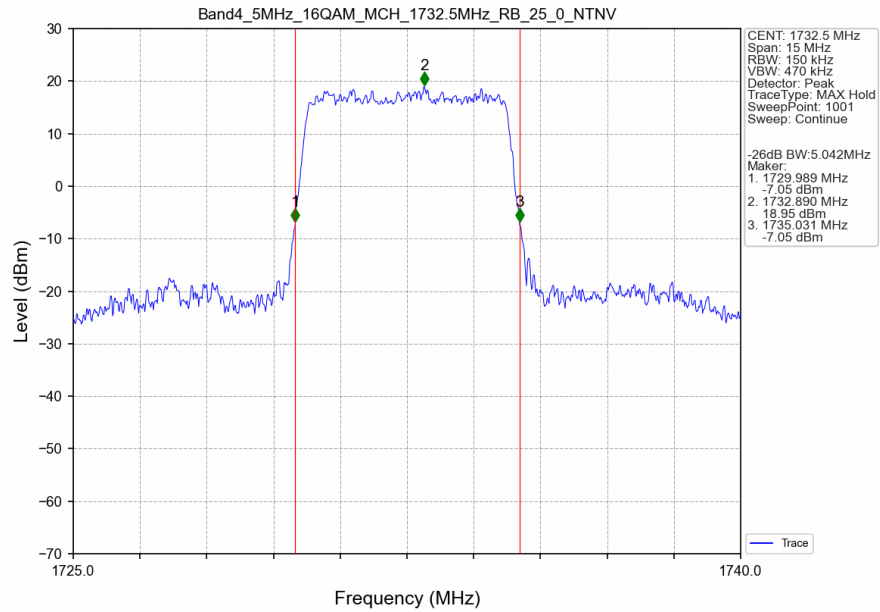




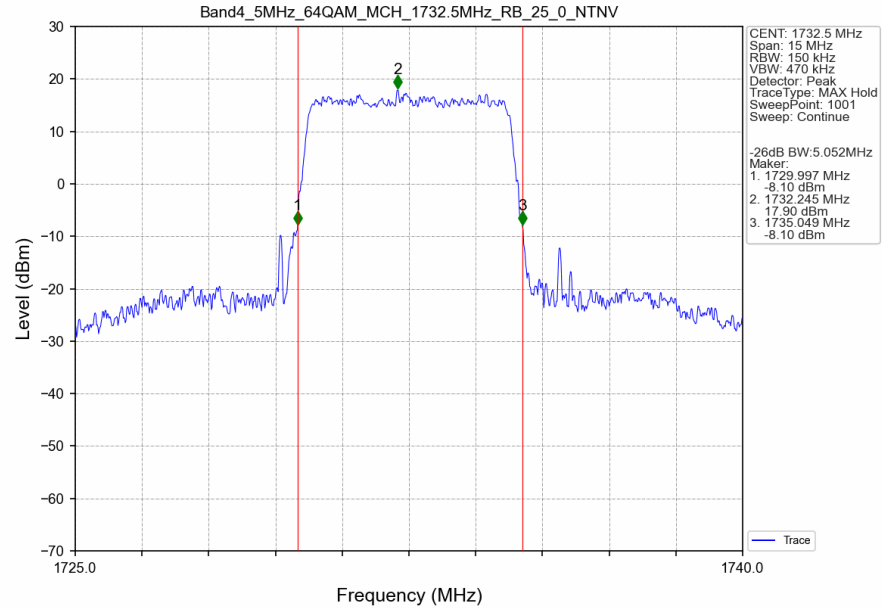
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



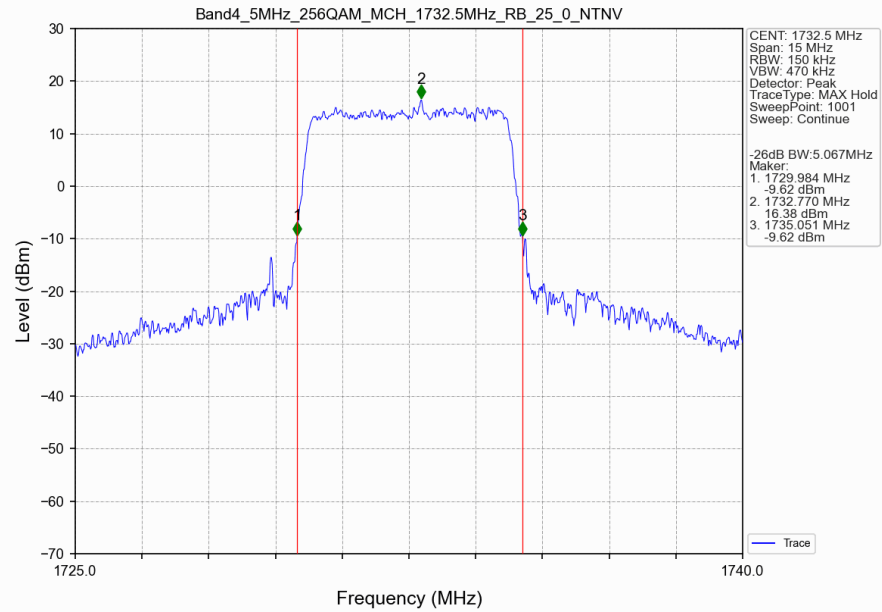
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



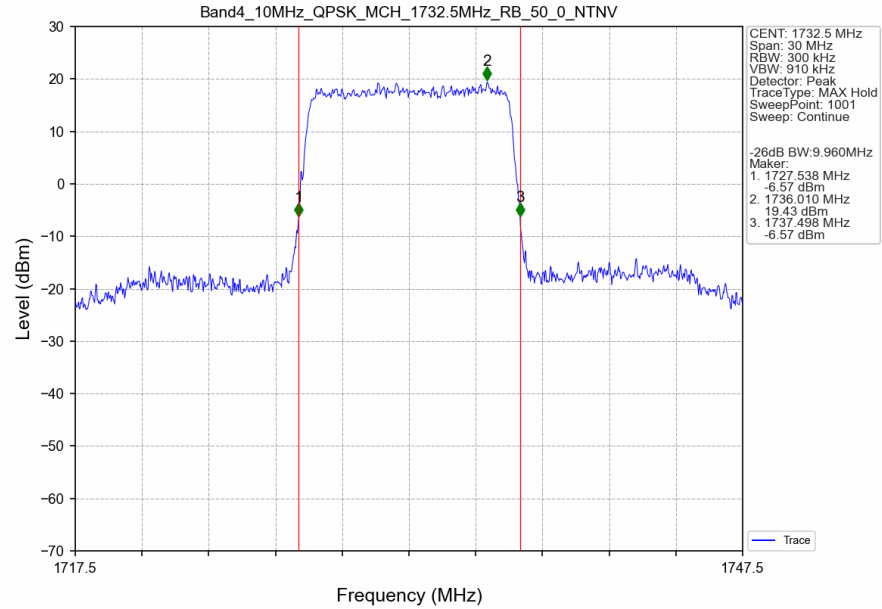
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



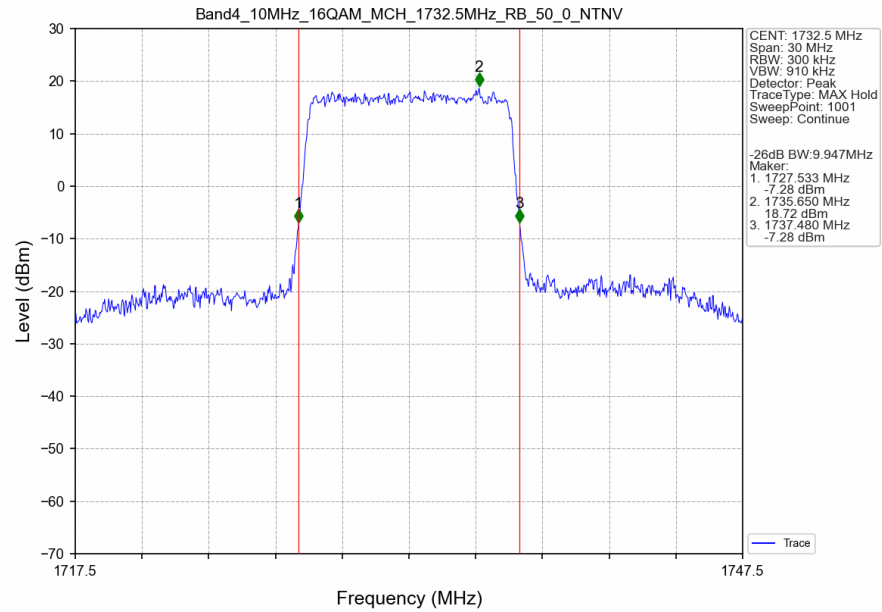
Band4_5MHz_256QAM_MCH_1732.5MHz_RB_25_0_NTNV

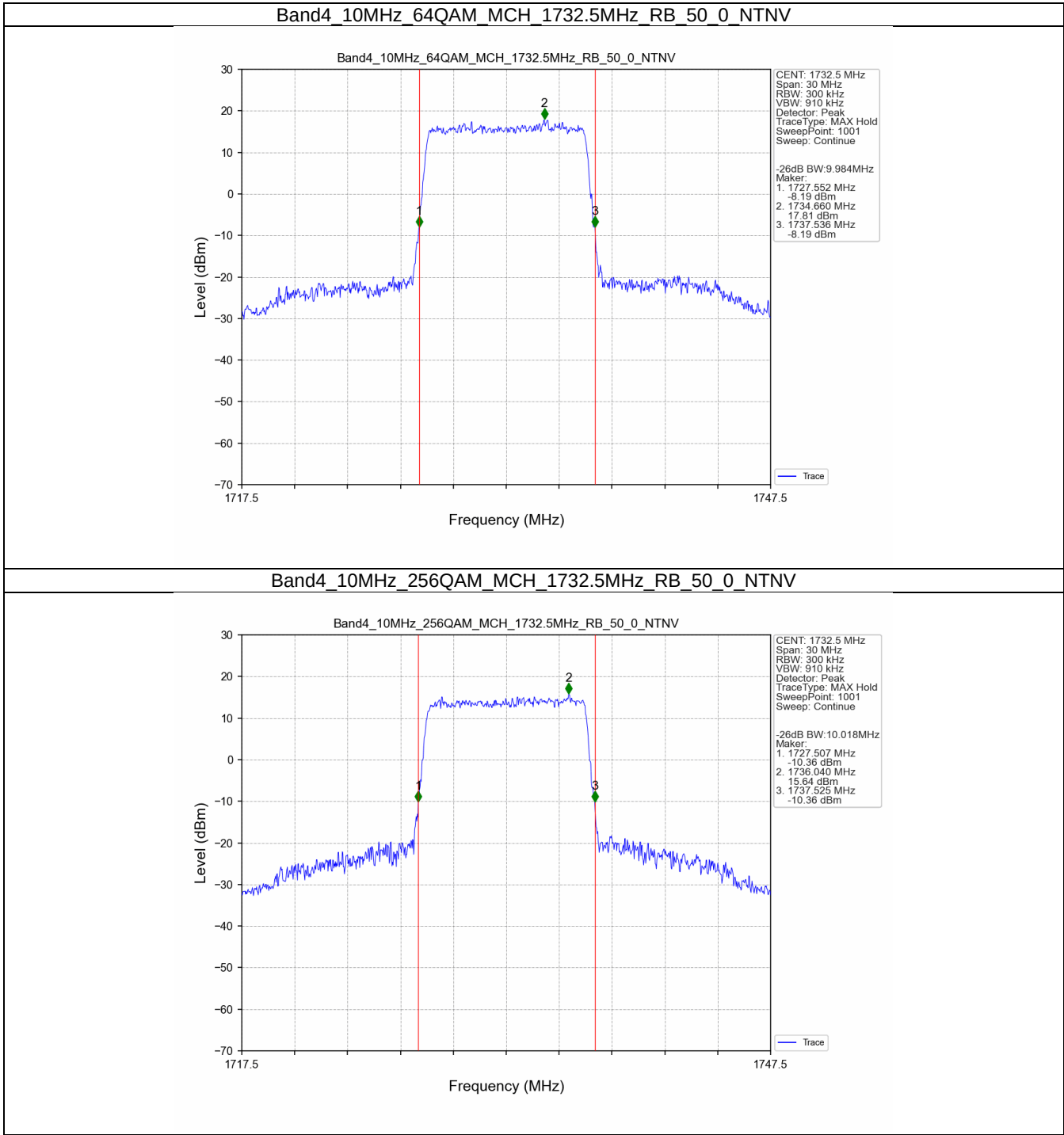


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

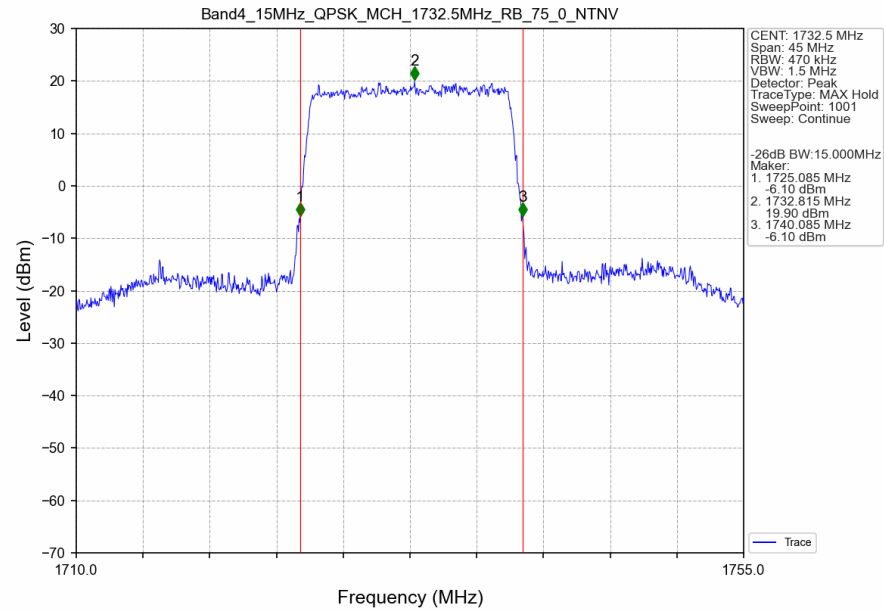


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

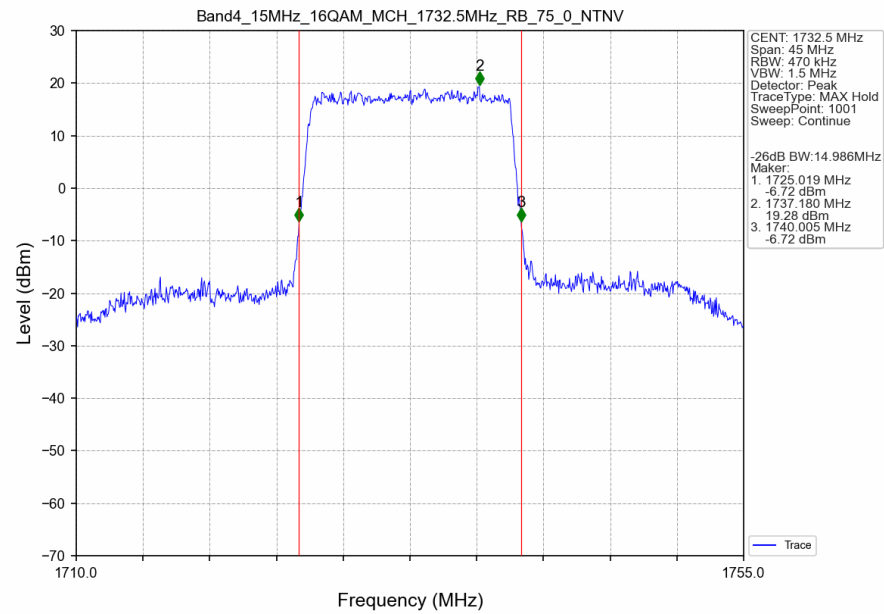


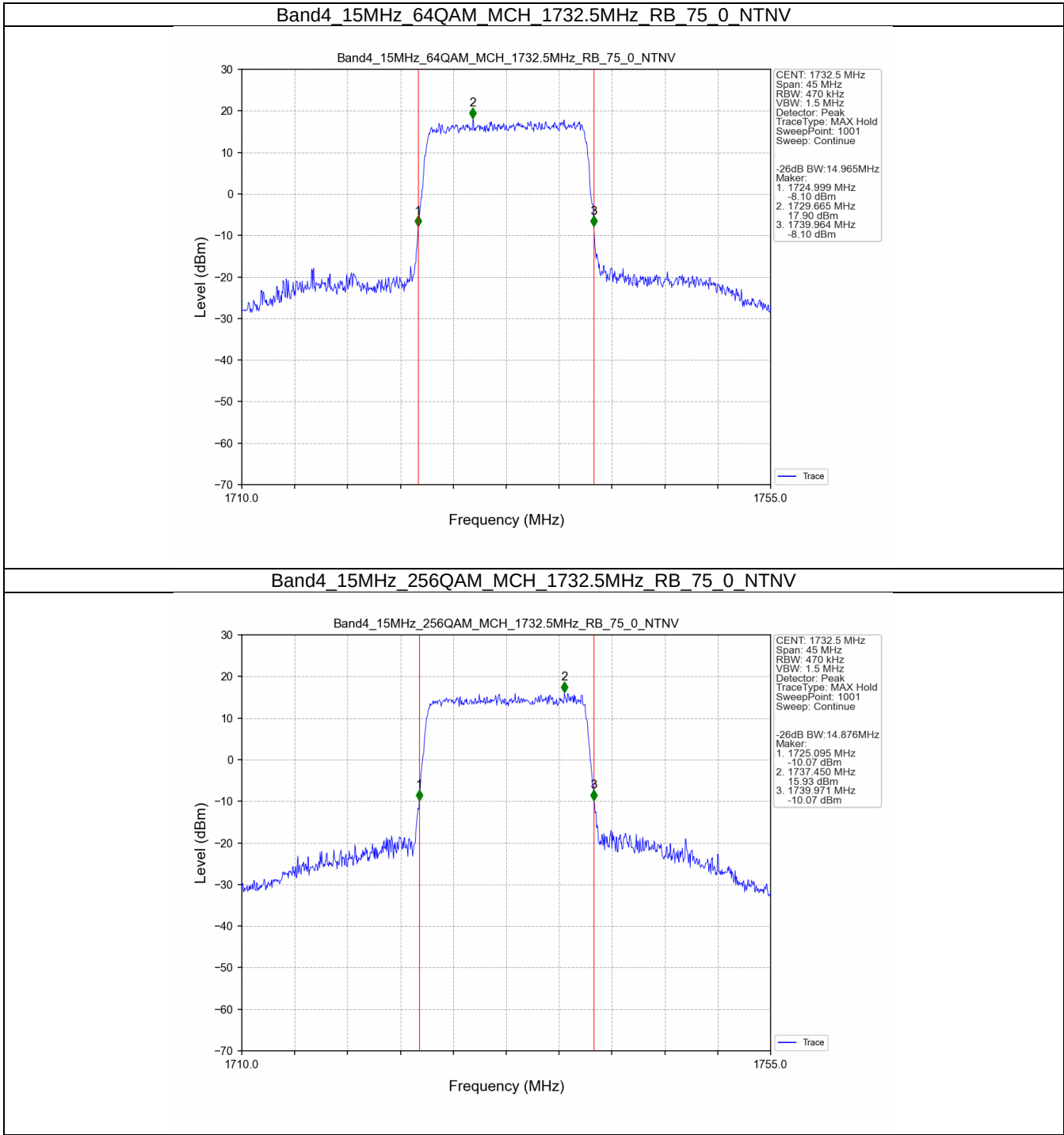


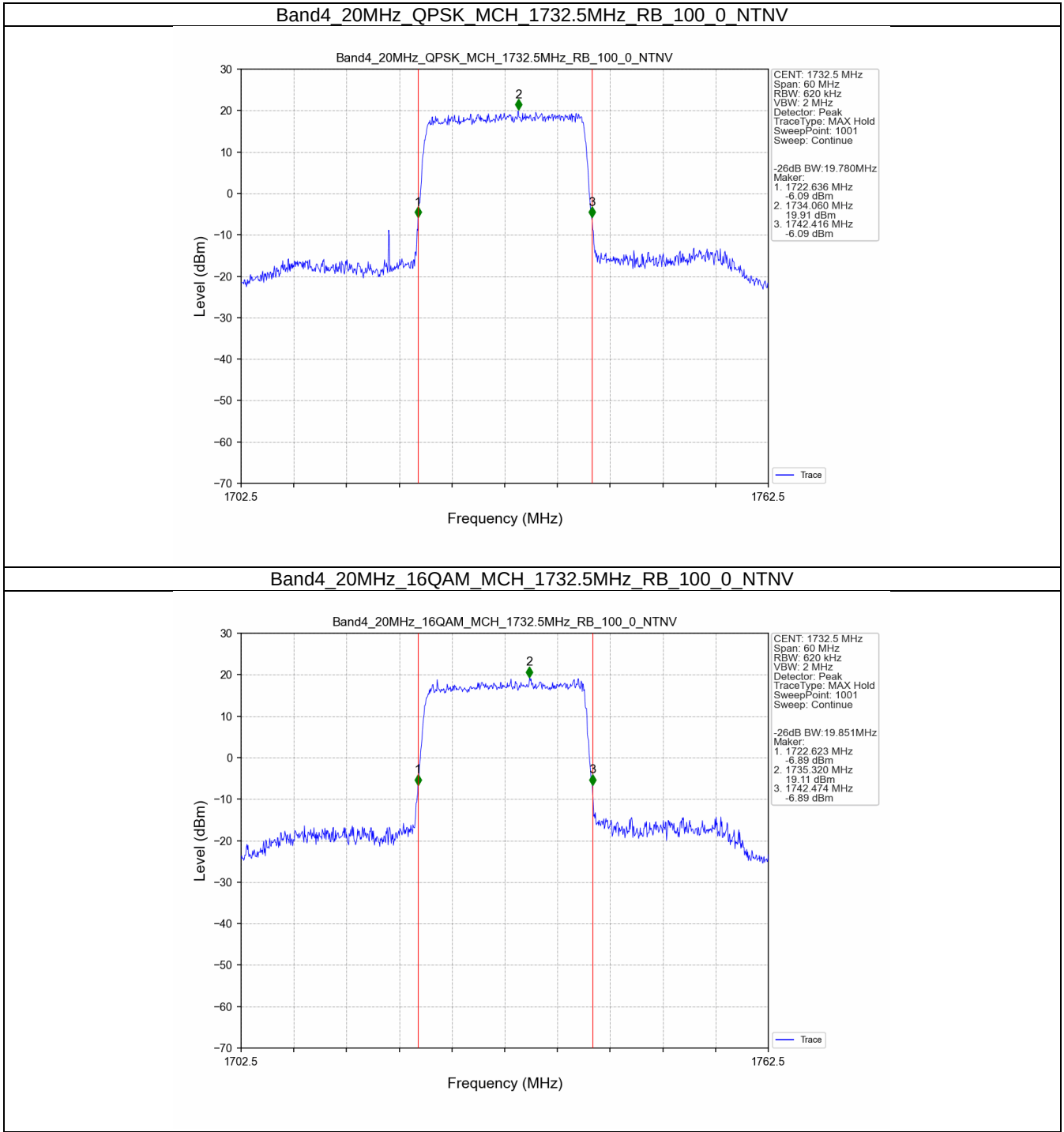
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

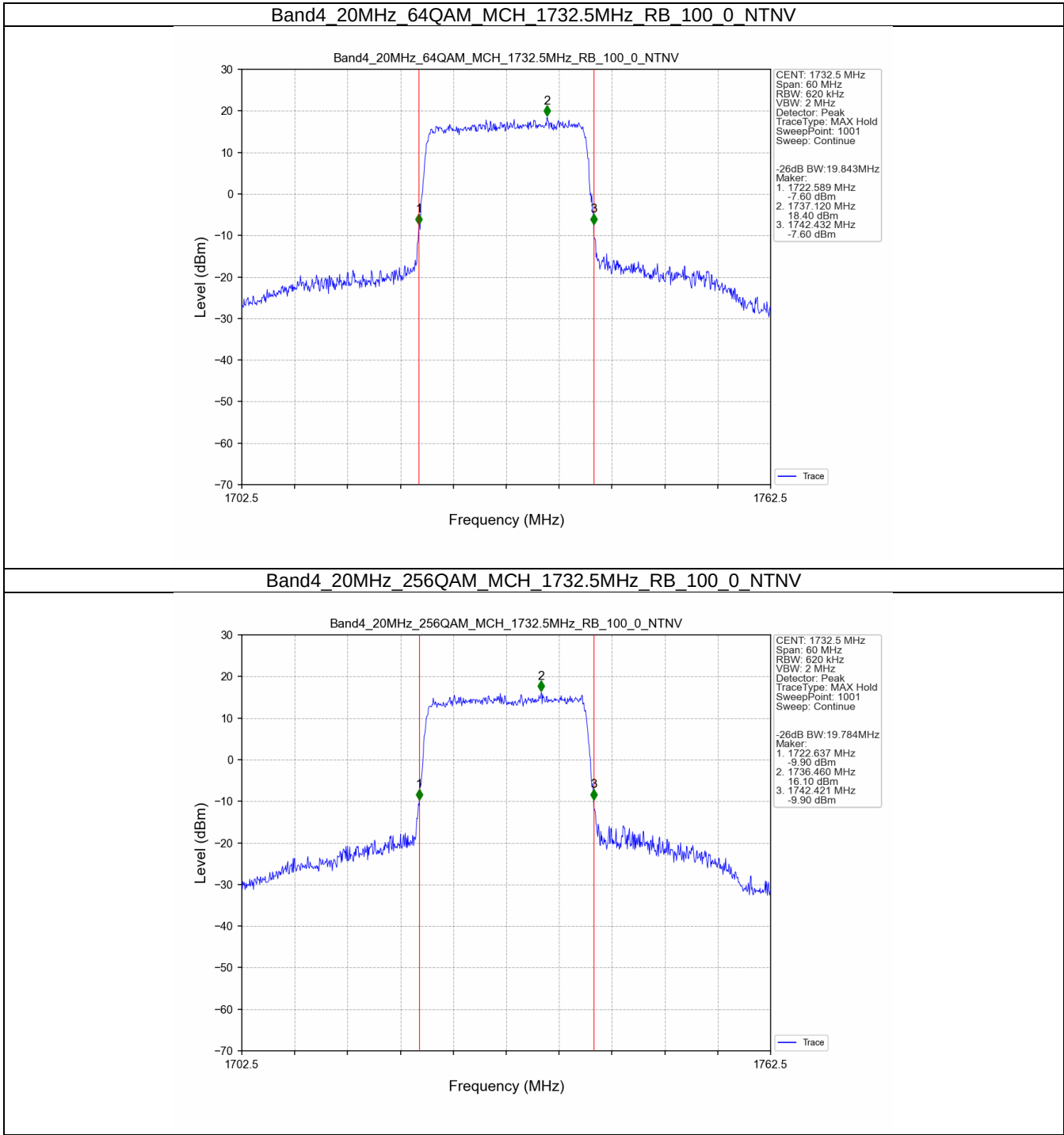


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV









4. Peak-Average Ratio

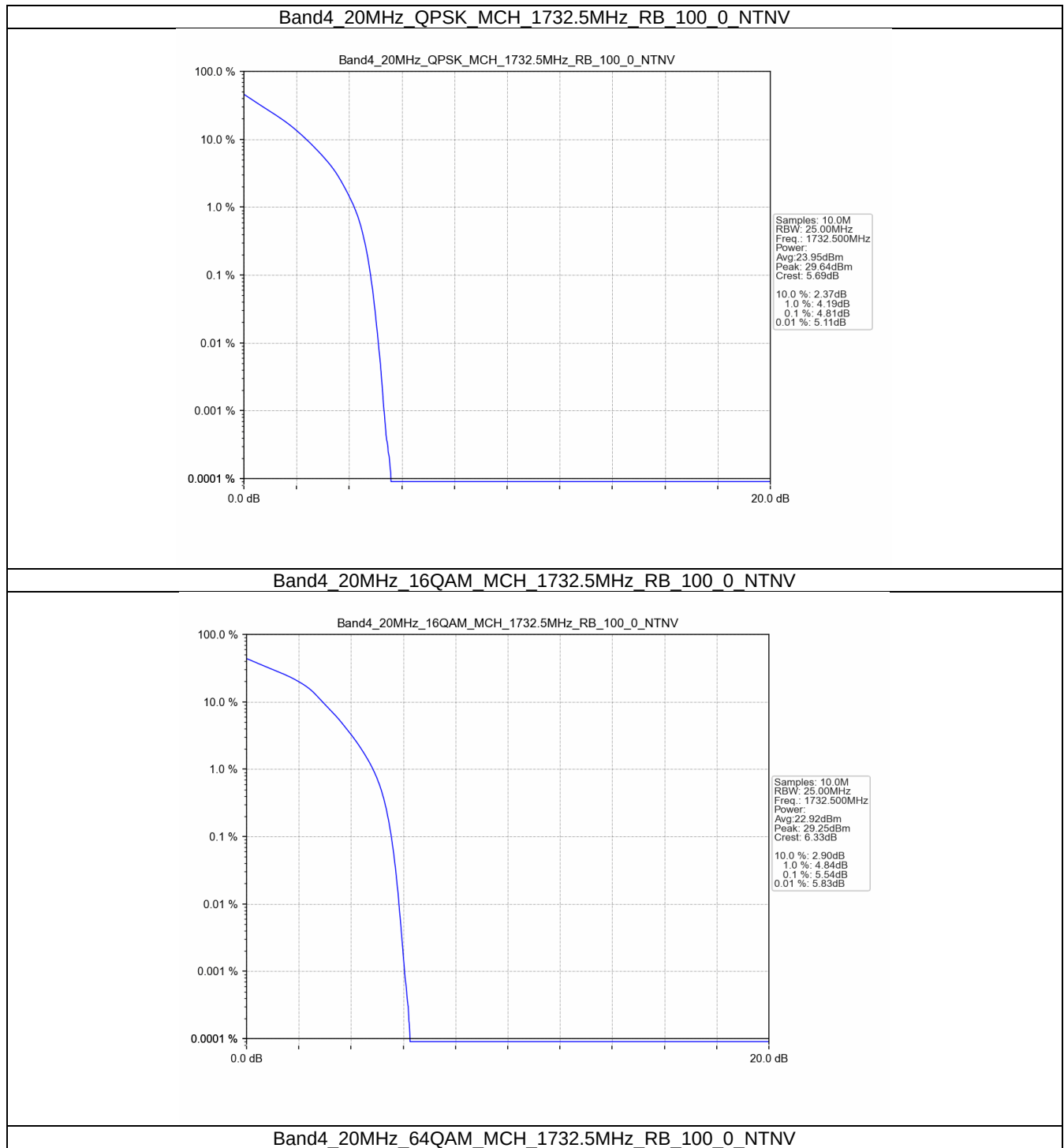
4.1 Test Result

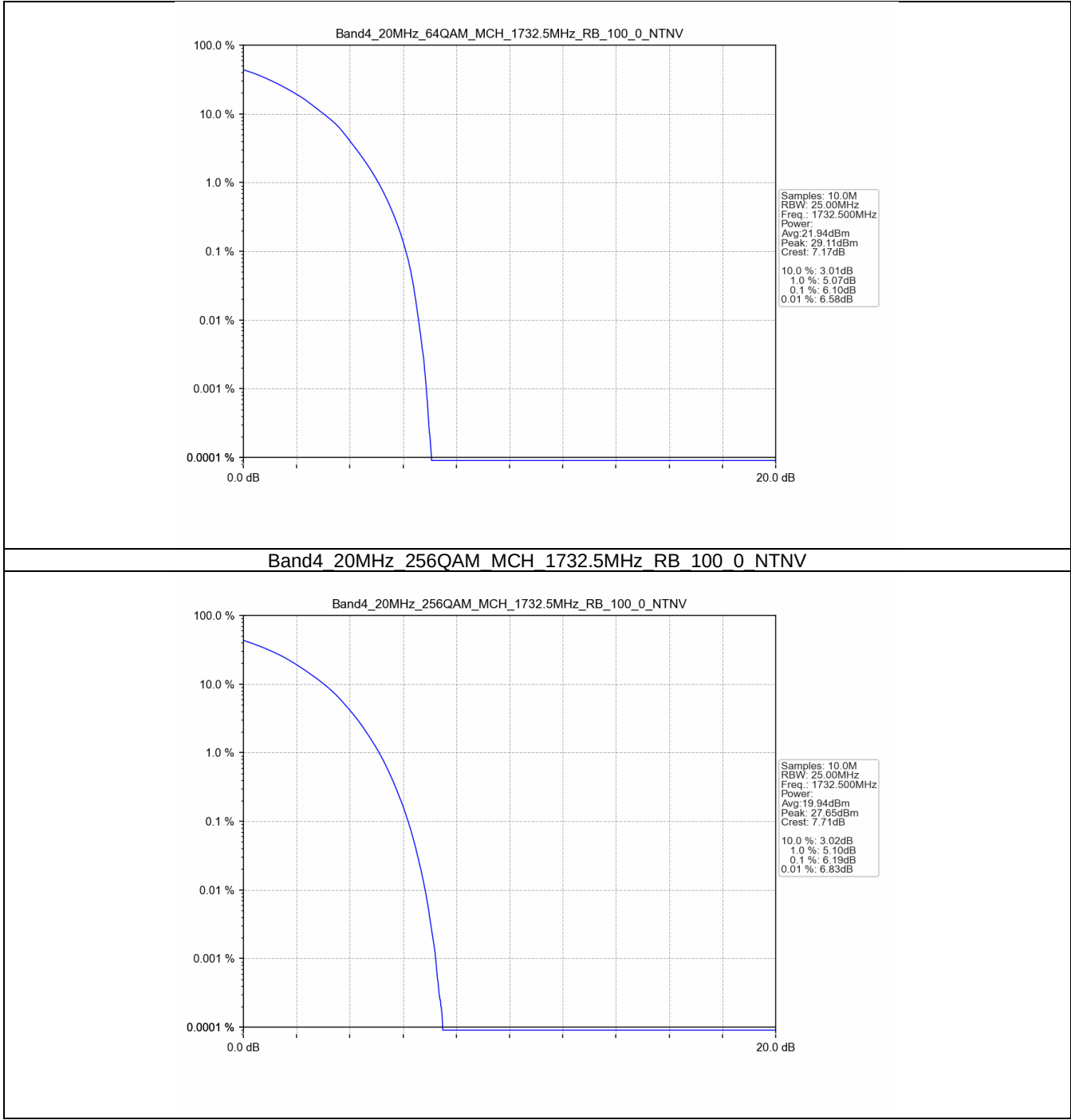
4.1.1 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	4.81	<=13	Pass
16QAM	1732.5	100	0	5.54	<=13	Pass
64QAM	1732.5	100	0	6.10	<=13	Pass
256QAM	1732.5	100	0	6.19	<=13	Pass

4.2 Test Graph

4.2.1 B4_20MHz





5. Spurious Emission

5.1 Test Result

5.1.1 B4_1.4MHz

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

5.1.2 B4_3MHz

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

5.1.3 B4_5MHz

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

5.1.4 B4_10MHz

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

5.1.5 B4_15MHz

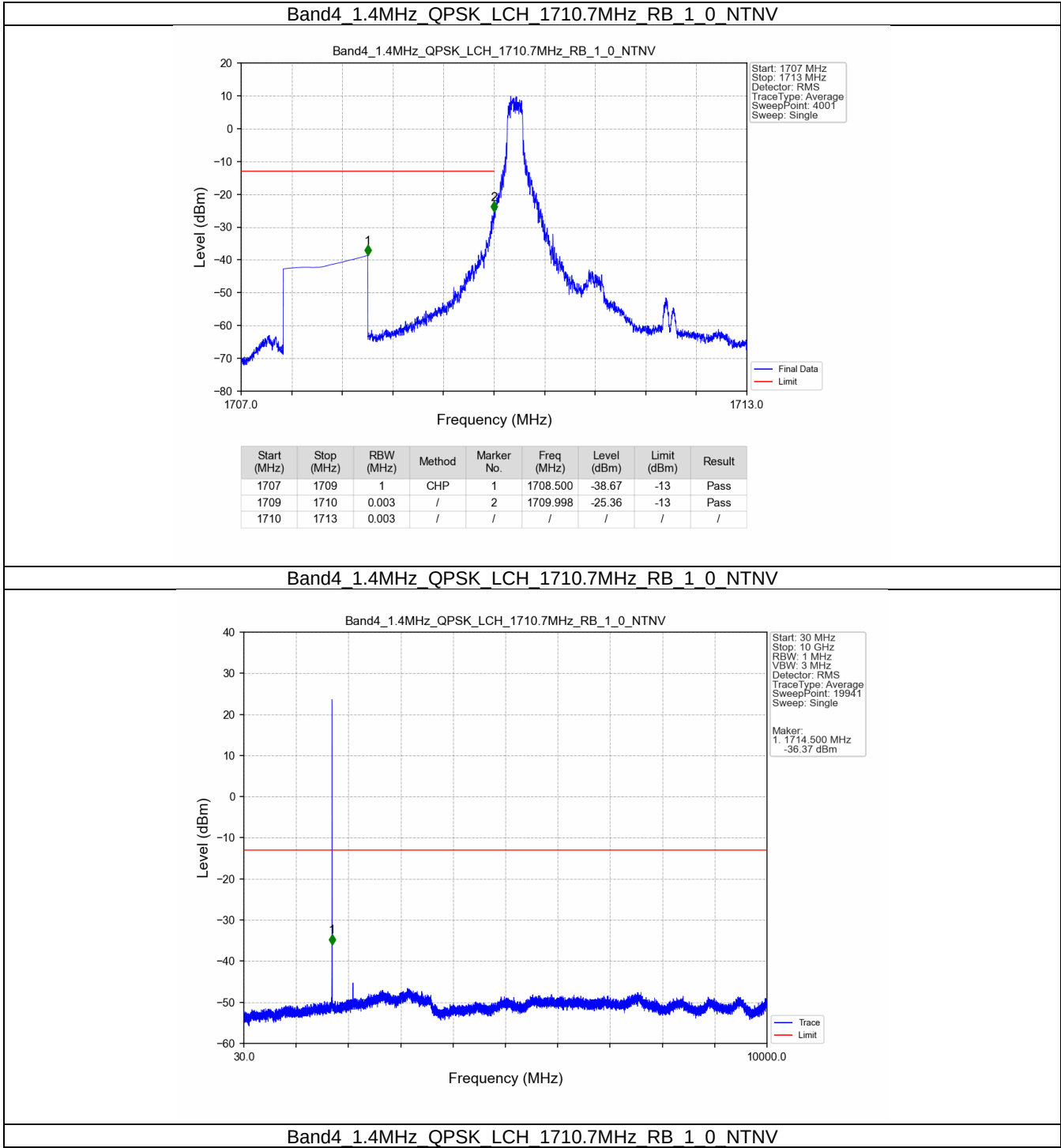
Band: 4 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

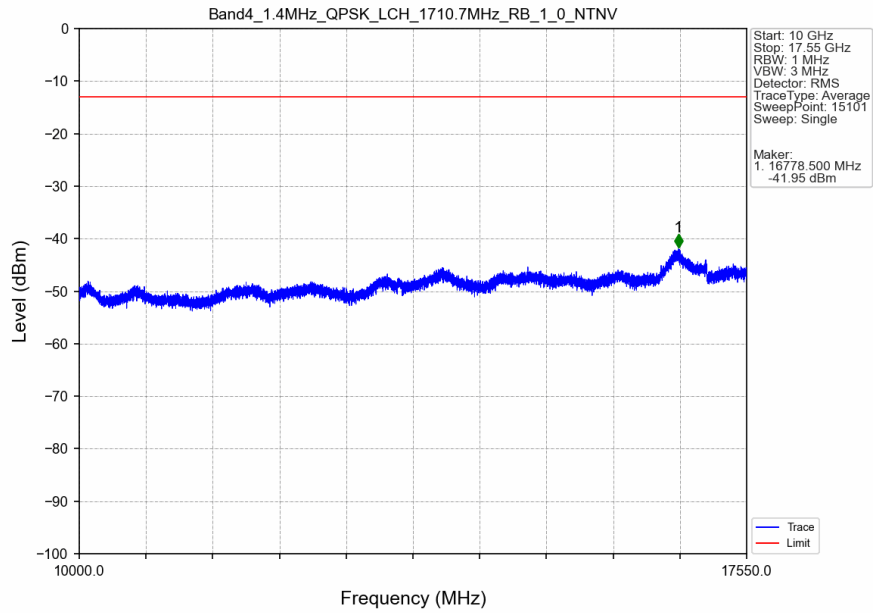
5.1.6 B4_20MHz

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

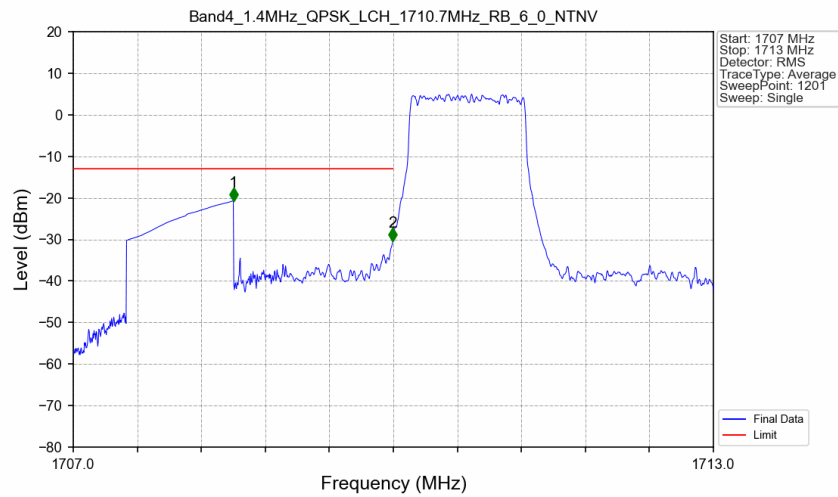
5.2 Test Graph

5.2.1 B4_1.4MHz



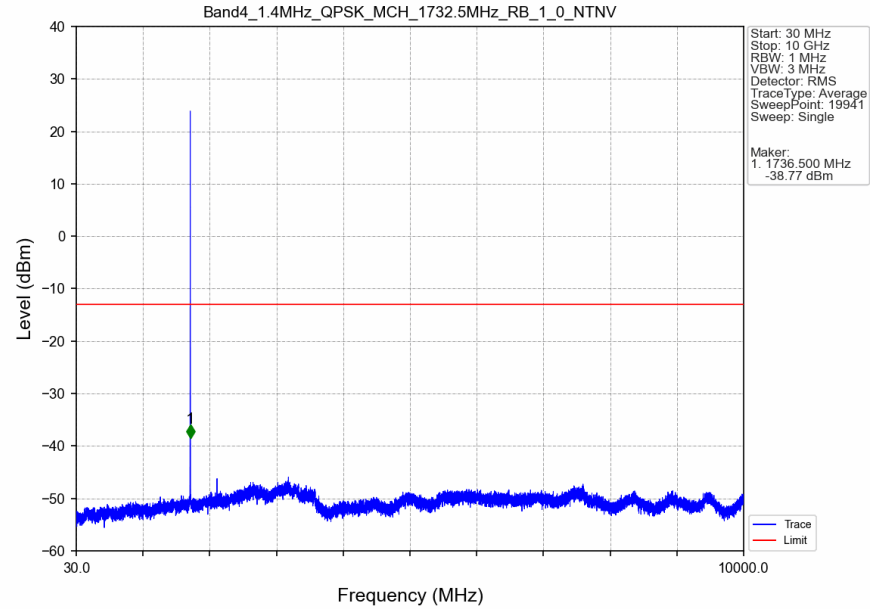


Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTN

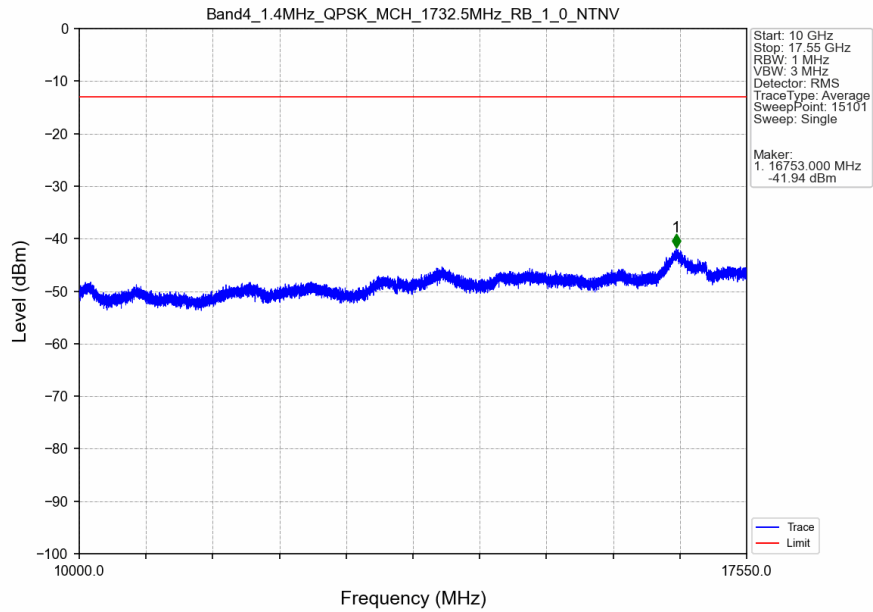


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-20.72	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-30.37	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

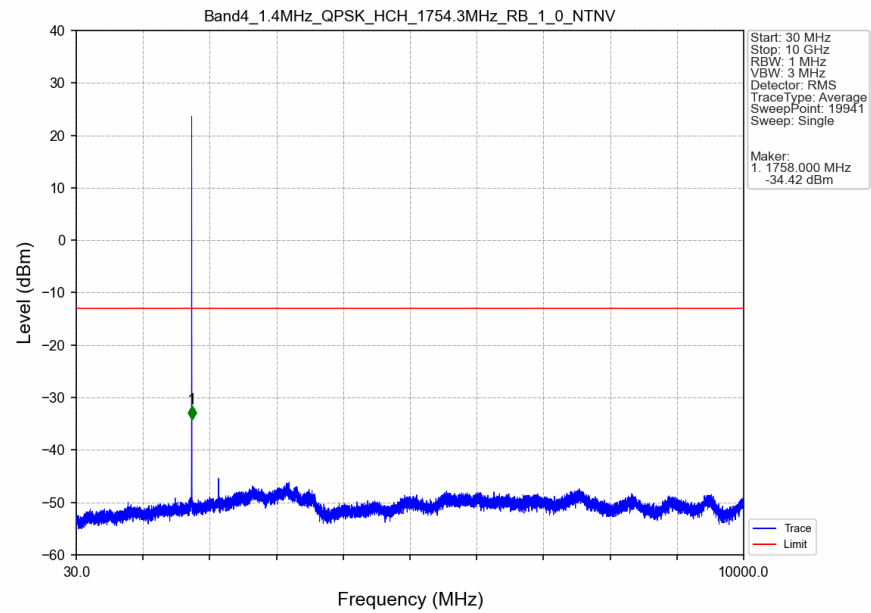
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

