



Report No.: SEWM2311000456RG01

Rev.: 01

Page: 1 of 281

Appendix B.7

LTE Band 4



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t (86-512) 62992980 sgs.china@sgs.com

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1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	21.89	-1.80	20.09	<=30	Pass
			2	21.84	-1.80	20.04	<=30	Pass
			5	21.88	-1.80	20.08	<=30	Pass
		3	0	21.87	-1.80	20.07	<=30	Pass
			2	21.88	-1.80	20.08	<=30	Pass
			3	21.86	-1.80	20.06	<=30	Pass
		6	0	21.86	-1.80	20.06	<=30	Pass
	1732.5	1	0	21.54	-1.80	19.74	<=30	Pass
			2	21.52	-1.80	19.72	<=30	Pass
			5	21.54	-1.80	19.74	<=30	Pass
		3	0	21.51	-1.80	19.71	<=30	Pass
			2	21.49	-1.80	19.69	<=30	Pass
			3	21.50	-1.80	19.70	<=30	Pass
		6	0	21.48	-1.80	19.68	<=30	Pass
	1754.3	1	0	21.36	-1.80	19.56	<=30	Pass
			2	21.33	-1.80	19.53	<=30	Pass
			5	21.37	-1.80	19.57	<=30	Pass
		3	0	21.33	-1.80	19.53	<=30	Pass
			2	21.35	-1.80	19.55	<=30	Pass
			3	21.34	-1.80	19.54	<=30	Pass
		6	0	21.33	-1.80	19.53	<=30	Pass
16QAM	1710.7	1	0	21.99	-1.80	20.19	<=30	Pass
			2	21.97	-1.80	20.17	<=30	Pass
			5	22.00	-1.80	20.20	<=30	Pass
		3	0	21.86	-1.80	20.06	<=30	Pass
			2	21.85	-1.80	20.05	<=30	Pass
			3	21.84	-1.80	20.04	<=30	Pass
		6	0	21.90	-1.80	20.10	<=30	Pass
	1732.5	1	0	21.55	-1.80	19.75	<=30	Pass
			2	21.53	-1.80	19.73	<=30	Pass
			5	21.56	-1.80	19.76	<=30	Pass
		3	0	21.56	-1.80	19.76	<=30	Pass
			2	21.56	-1.80	19.76	<=30	Pass
			3	21.57	-1.80	19.77	<=30	Pass
		6	0	21.45	-1.80	19.65	<=30	Pass
	1754.3	1	0	21.49	-1.80	19.69	<=30	Pass
			2	21.46	-1.80	19.66	<=30	Pass
			5	21.49	-1.80	19.69	<=30	Pass
		3	0	21.30	-1.80	19.50	<=30	Pass



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64QAM	1710.7		2	21.30	-1.80	19.50	<=30	Pass
			3	21.33	-1.80	19.53	<=30	Pass
		6	0	21.34	-1.80	19.54	<=30	Pass
		1	0	26.46	-1.80	24.66	<=30	Pass
			2	26.46	-1.80	24.66	<=30	Pass
			5	26.45	-1.80	24.65	<=30	Pass
		3	0	26.54	-1.80	24.74	<=30	Pass
			2	26.52	-1.80	24.72	<=30	Pass
			3	26.54	-1.80	24.74	<=30	Pass
		6	0	25.77	-1.80	23.97	<=30	Pass
	1732.5	1	0	26.57	-1.80	24.77	<=30	Pass
			2	26.59	-1.80	24.79	<=30	Pass
			5	26.56	-1.80	24.76	<=30	Pass
		3	0	26.66	-1.80	24.86	<=30	Pass
			2	26.64	-1.80	24.84	<=30	Pass
			3	26.65	-1.80	24.85	<=30	Pass
		6	0	25.92	-1.80	24.12	<=30	Pass
	1754.3	1	0	26.10	-1.80	24.30	<=30	Pass
			2	26.11	-1.80	24.31	<=30	Pass
			5	26.08	-1.80	24.28	<=30	Pass
		3	0	26.22	-1.80	24.42	<=30	Pass
			2	26.22	-1.80	24.42	<=30	Pass
			3	26.22	-1.80	24.42	<=30	Pass
		6	0	25.43	-1.80	23.63	<=30	Pass
256QAM	1710.7	1	0	23.33	-1.80	21.53	<=30	Pass
			2	23.27	-1.80	21.47	<=30	Pass
			5	23.35	-1.80	21.55	<=30	Pass
		3	0	23.33	-1.80	21.53	<=30	Pass
			2	23.35	-1.80	21.55	<=30	Pass
			3	23.35	-1.80	21.55	<=30	Pass
		6	0	23.58	-1.80	21.78	<=30	Pass
	1732.5	1	0	23.53	-1.80	21.73	<=30	Pass
			2	23.48	-1.80	21.68	<=30	Pass
			5	23.54	-1.80	21.74	<=30	Pass
		3	0	23.49	-1.80	21.69	<=30	Pass
			2	23.51	-1.80	21.71	<=30	Pass
			3	23.52	-1.80	21.72	<=30	Pass
		6	0	23.75	-1.80	21.95	<=30	Pass
	1754.3	1	0	23.06	-1.80	21.26	<=30	Pass
			2	23.01	-1.80	21.21	<=30	Pass
			5	23.05	-1.80	21.25	<=30	Pass
		3	0	23.01	-1.80	21.21	<=30	Pass
			2	23.03	-1.80	21.23	<=30	Pass
			3	23.03	-1.80	21.23	<=30	Pass
		6	0	23.28	-1.80	21.48	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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1.2 B4_3MHz_EIRP

1.2.1 Test Result

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	21.79	-1.80	19.99	<=30	Pass
			7	21.80	-1.80	20.00	<=30	Pass
			14	21.74	-1.80	19.94	<=30	Pass
		8	0	21.88	-1.80	20.08	<=30	Pass
			4	21.86	-1.80	20.06	<=30	Pass
			7	21.88	-1.80	20.08	<=30	Pass
		15	0	21.88	-1.80	20.08	<=30	Pass
	1732.5	1	0	21.52	-1.80	19.72	<=30	Pass
			7	21.56	-1.80	19.76	<=30	Pass
			14	21.52	-1.80	19.72	<=30	Pass
		8	0	21.52	-1.80	19.72	<=30	Pass
			4	21.53	-1.80	19.73	<=30	Pass
			7	21.53	-1.80	19.73	<=30	Pass
		15	0	21.50	-1.80	19.70	<=30	Pass
	1753.5	1	0	21.39	-1.80	19.59	<=30	Pass
			7	21.37	-1.80	19.57	<=30	Pass
			14	21.41	-1.80	19.61	<=30	Pass
		8	0	21.39	-1.80	19.59	<=30	Pass
			4	21.34	-1.80	19.54	<=30	Pass
			7	21.37	-1.80	19.57	<=30	Pass
		15	0	21.36	-1.80	19.56	<=30	Pass
16QAM	1711.5	1	0	22.49	-1.80	20.69	<=30	Pass
			7	22.50	-1.80	20.70	<=30	Pass
			14	22.44	-1.80	20.64	<=30	Pass
		8	0	22.05	-1.80	20.25	<=30	Pass
			4	22.03	-1.80	20.23	<=30	Pass
			7	22.06	-1.80	20.26	<=30	Pass
		15	0	22.00	-1.80	20.20	<=30	Pass
	1732.5	1	0	21.67	-1.80	19.87	<=30	Pass
			7	21.70	-1.80	19.90	<=30	Pass
			14	21.66	-1.80	19.86	<=30	Pass
		8	0	21.52	-1.80	19.72	<=30	Pass
			4	21.52	-1.80	19.72	<=30	Pass
			7	21.53	-1.80	19.73	<=30	Pass
		15	0	21.52	-1.80	19.72	<=30	Pass
	1753.5	1	0	21.44	-1.80	19.64	<=30	Pass
			7	21.44	-1.80	19.64	<=30	Pass
			14	21.44	-1.80	19.64	<=30	Pass
		8	0	21.48	-1.80	19.68	<=30	Pass
			4	21.47	-1.80	19.67	<=30	Pass
			7	21.46	-1.80	19.66	<=30	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 5 of 281

		15	0	21.42	-1.80	19.62	<=30	Pass
64QAM	1711.5	1	0	26.62	-1.80	24.82	<=30	Pass
			7	26.65	-1.80	24.85	<=30	Pass
			14	26.62	-1.80	24.82	<=30	Pass
			0	25.72	-1.80	23.92	<=30	Pass
		8	4	25.70	-1.80	23.90	<=30	Pass
			7	25.74	-1.80	23.94	<=30	Pass
			0	25.55	-1.80	23.75	<=30	Pass
		1732.5	0	26.59	-1.80	24.79	<=30	Pass
			7	26.64	-1.80	24.84	<=30	Pass
			14	26.58	-1.80	24.78	<=30	Pass
			0	25.58	-1.80	23.78	<=30	Pass
			4	25.58	-1.80	23.78	<=30	Pass
			7	25.60	-1.80	23.80	<=30	Pass
			0	25.85	-1.80	24.05	<=30	Pass
		1753.5	0	26.12	-1.80	24.32	<=30	Pass
			7	26.18	-1.80	24.38	<=30	Pass
			14	26.13	-1.80	24.33	<=30	Pass
			0	25.18	-1.80	23.38	<=30	Pass
			4	25.13	-1.80	23.33	<=30	Pass
			7	25.12	-1.80	23.32	<=30	Pass
			0	25.39	-1.80	23.59	<=30	Pass
256QAM	1711.5	1	0	23.94	-1.80	22.14	<=30	Pass
			7	23.94	-1.80	22.14	<=30	Pass
			14	23.96	-1.80	22.16	<=30	Pass
			0	23.63	-1.80	21.83	<=30	Pass
		8	4	23.63	-1.80	21.83	<=30	Pass
			7	23.64	-1.80	21.84	<=30	Pass
			0	23.56	-1.80	21.76	<=30	Pass
		1732.5	0	23.50	-1.80	21.70	<=30	Pass
			7	23.57	-1.80	21.77	<=30	Pass
			14	23.52	-1.80	21.72	<=30	Pass
			0	23.61	-1.80	21.81	<=30	Pass
			4	23.64	-1.80	21.84	<=30	Pass
			7	23.63	-1.80	21.83	<=30	Pass
			0	23.81	-1.80	22.01	<=30	Pass
		1753.5	0	23.12	-1.80	21.32	<=30	Pass
			7	23.07	-1.80	21.27	<=30	Pass
			14	23.05	-1.80	21.25	<=30	Pass
			0	23.19	-1.80	21.39	<=30	Pass
			4	23.17	-1.80	21.37	<=30	Pass
			7	23.15	-1.80	21.35	<=30	Pass
			0	23.33	-1.80	21.53	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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1.3 B4_5MHz_EIRP

1.3.1 Test Result

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	21.94	-1.80	20.14	<=30	Pass
			13	21.93	-1.80	20.13	<=30	Pass
			24	21.89	-1.80	20.09	<=30	Pass
		12	0	21.92	-1.80	20.12	<=30	Pass
			6	21.92	-1.80	20.12	<=30	Pass
			13	21.91	-1.80	20.11	<=30	Pass
		25	0	21.93	-1.80	20.13	<=30	Pass
	1732.5	1	0	21.60	-1.80	19.80	<=30	Pass
			13	21.58	-1.80	19.78	<=30	Pass
			24	21.58	-1.80	19.78	<=30	Pass
		12	0	21.57	-1.80	19.77	<=30	Pass
			6	21.54	-1.80	19.74	<=30	Pass
			13	21.54	-1.80	19.74	<=30	Pass
		25	0	21.60	-1.80	19.80	<=30	Pass
	1752.5	1	0	21.45	-1.80	19.65	<=30	Pass
			13	21.44	-1.80	19.64	<=30	Pass
			24	21.46	-1.80	19.66	<=30	Pass
		12	0	21.39	-1.80	19.59	<=30	Pass
			6	21.39	-1.80	19.59	<=30	Pass
			13	21.38	-1.80	19.58	<=30	Pass
		25	0	21.42	-1.80	19.62	<=30	Pass
16QAM	1712.5	1	0	21.85	-1.80	20.05	<=30	Pass
			13	21.82	-1.80	20.02	<=30	Pass
			24	21.80	-1.80	20.00	<=30	Pass
		12	0	21.93	-1.80	20.13	<=30	Pass
			6	21.92	-1.80	20.12	<=30	Pass
			13	21.92	-1.80	20.12	<=30	Pass
		25	0	21.93	-1.80	20.13	<=30	Pass
	1732.5	1	0	21.92	-1.80	20.12	<=30	Pass
			13	21.91	-1.80	20.11	<=30	Pass
			24	21.88	-1.80	20.08	<=30	Pass
		12	0	21.63	-1.80	19.83	<=30	Pass
			6	21.60	-1.80	19.80	<=30	Pass
			13	21.60	-1.80	19.80	<=30	Pass
		25	0	21.59	-1.80	19.79	<=30	Pass
	1752.5	1	0	21.58	-1.80	19.78	<=30	Pass
			13	21.58	-1.80	19.78	<=30	Pass
			24	21.59	-1.80	19.79	<=30	Pass
		12	0	21.41	-1.80	19.61	<=30	Pass
			6	21.39	-1.80	19.59	<=30	Pass
			13	21.39	-1.80	19.59	<=30	Pass



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		25	0	21.43	-1.80	19.63	<=30	Pass	
64QAM	1712.5	1	0	26.45	-1.80	24.65	<=30	Pass	
			13	26.43	-1.80	24.63	<=30	Pass	
			24	26.45	-1.80	24.65	<=30	Pass	
			0	25.56	-1.80	23.76	<=30	Pass	
		12	6	25.54	-1.80	23.74	<=30	Pass	
			13	25.54	-1.80	23.74	<=30	Pass	
			25	0	25.60	-1.80	23.80	<=30	Pass
		1732.5	1	0	26.76	-1.80	24.96	<=30	Pass
				13	26.73	-1.80	24.93	<=30	Pass
				24	26.72	-1.80	24.92	<=30	Pass
	0			25.72	-1.80	23.92	<=30	Pass	
	12		6	25.72	-1.80	23.92	<=30	Pass	
			13	25.74	-1.80	23.94	<=30	Pass	
			25	0	25.77	-1.80	23.97	<=30	Pass
	1752.5		1	0	26.31	-1.80	24.51	<=30	Pass
		13		26.26	-1.80	24.46	<=30	Pass	
		24		26.28	-1.80	24.48	<=30	Pass	
		0		25.34	-1.80	23.54	<=30	Pass	
		12	6	25.30	-1.80	23.50	<=30	Pass	
			13	25.29	-1.80	23.49	<=30	Pass	
			25	0	25.33	-1.80	23.53	<=30	Pass
256QAM		1712.5	1	0	23.35	-1.80	21.55	<=30	Pass
	13			23.37	-1.80	21.57	<=30	Pass	
	24			23.34	-1.80	21.54	<=30	Pass	
	12		0	23.62	-1.80	21.82	<=30	Pass	
			6	23.61	-1.80	21.81	<=30	Pass	
			13	23.61	-1.80	21.81	<=30	Pass	
			25	0	23.65	-1.80	21.85	<=30	Pass
	1732.5	1	0	23.92	-1.80	22.12	<=30	Pass	
			13	23.97	-1.80	22.17	<=30	Pass	
			24	23.97	-1.80	22.17	<=30	Pass	
		12	0	23.77	-1.80	21.97	<=30	Pass	
			6	23.75	-1.80	21.95	<=30	Pass	
			13	23.78	-1.80	21.98	<=30	Pass	
	25	0	23.74	-1.80	21.94	<=30	Pass		
	1752.5	1	0	23.54	-1.80	21.74	<=30	Pass	
			13	23.54	-1.80	21.74	<=30	Pass	
			24	23.50	-1.80	21.70	<=30	Pass	
		12	0	23.37	-1.80	21.57	<=30	Pass	
			6	23.33	-1.80	21.53	<=30	Pass	
			13	23.32	-1.80	21.52	<=30	Pass	
		25	0	23.29	-1.80	21.49	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

Note1: EIRP=Conducted Power+Antenna Gain



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1.4 B4_10MHz_EIRP

1.4.1 Test Result

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	21.95	-1.80	20.15	<=30	Pass
			25	21.80	-1.80	20.00	<=30	Pass
			49	21.85	-1.80	20.05	<=30	Pass
		25	0	21.92	-1.80	20.12	<=30	Pass
			13	21.88	-1.80	20.08	<=30	Pass
			25	21.91	-1.80	20.11	<=30	Pass
		50	0	21.92	-1.80	20.12	<=30	Pass
	1732.5	1	0	21.66	-1.80	19.86	<=30	Pass
			25	21.58	-1.80	19.78	<=30	Pass
			49	21.57	-1.80	19.77	<=30	Pass
		25	0	21.62	-1.80	19.82	<=30	Pass
			13	21.58	-1.80	19.78	<=30	Pass
			25	21.57	-1.80	19.77	<=30	Pass
		50	0	21.59	-1.80	19.79	<=30	Pass
	1750	1	0	21.49	-1.80	19.69	<=30	Pass
			25	21.40	-1.80	19.60	<=30	Pass
			49	21.49	-1.80	19.69	<=30	Pass
		25	0	21.40	-1.80	19.60	<=30	Pass
			13	21.37	-1.80	19.57	<=30	Pass
			25	21.38	-1.80	19.58	<=30	Pass
		50	0	21.41	-1.80	19.61	<=30	Pass
16QAM	1715	1	0	22.62	-1.80	20.82	<=30	Pass
			25	22.47	-1.80	20.67	<=30	Pass
			49	22.53	-1.80	20.73	<=30	Pass
		25	0	21.98	-1.80	20.18	<=30	Pass
			13	21.93	-1.80	20.13	<=30	Pass
			25	21.98	-1.80	20.18	<=30	Pass
		50	0	21.92	-1.80	20.12	<=30	Pass
	1732.5	1	0	21.86	-1.80	20.06	<=30	Pass
			25	21.74	-1.80	19.94	<=30	Pass
			49	21.73	-1.80	19.93	<=30	Pass
		25	0	21.65	-1.80	19.85	<=30	Pass
			13	21.61	-1.80	19.81	<=30	Pass
			25	21.59	-1.80	19.79	<=30	Pass
		50	0	21.57	-1.80	19.77	<=30	Pass
	1750	1	0	21.52	-1.80	19.72	<=30	Pass
			25	21.42	-1.80	19.62	<=30	Pass
			49	21.50	-1.80	19.70	<=30	Pass
		25	0	21.50	-1.80	19.70	<=30	Pass
			13	21.48	-1.80	19.68	<=30	Pass
			25	21.46	-1.80	19.66	<=30	Pass



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		50	0	21.42	-1.80	19.62	<=30	Pass
64QAM	1715	1	0	26.82	-1.80	25.02	<=30	Pass
			25	26.71	-1.80	24.91	<=30	Pass
			49	26.82	-1.80	25.02	<=30	Pass
			0	25.64	-1.80	23.84	<=30	Pass
		25	13	25.65	-1.80	23.85	<=30	Pass
			25	25.71	-1.80	23.91	<=30	Pass
		50	0	25.64	-1.80	23.84	<=30	Pass
	1732.5	1	0	26.75	-1.80	24.95	<=30	Pass
			25	26.69	-1.80	24.89	<=30	Pass
			49	26.71	-1.80	24.91	<=30	Pass
			0	25.84	-1.80	24.04	<=30	Pass
		25	13	25.82	-1.80	24.02	<=30	Pass
			25	25.84	-1.80	24.04	<=30	Pass
		50	0	25.77	-1.80	23.97	<=30	Pass
	1750	1	0	26.37	-1.80	24.57	<=30	Pass
			25	26.25	-1.80	24.45	<=30	Pass
			49	26.33	-1.80	24.53	<=30	Pass
			0	25.47	-1.80	23.67	<=30	Pass
		25	13	25.42	-1.80	23.62	<=30	Pass
			25	25.41	-1.80	23.61	<=30	Pass
		50	0	25.39	-1.80	23.59	<=30	Pass
256QAM	1715	1	0	24.13	-1.80	22.33	<=30	Pass
			25	24.02	-1.80	22.22	<=30	Pass
			49	24.12	-1.80	22.32	<=30	Pass
			0	23.68	-1.80	21.88	<=30	Pass
		25	13	23.67	-1.80	21.87	<=30	Pass
			25	23.71	-1.80	21.91	<=30	Pass
		50	0	23.66	-1.80	21.86	<=30	Pass
	1732.5	1	0	23.59	-1.80	21.79	<=30	Pass
			25	23.57	-1.80	21.77	<=30	Pass
			49	23.62	-1.80	21.82	<=30	Pass
			0	23.78	-1.80	21.98	<=30	Pass
		25	13	23.79	-1.80	21.99	<=30	Pass
			25	23.80	-1.80	22.00	<=30	Pass
		50	0	23.74	-1.80	21.94	<=30	Pass
	1750	1	0	23.28	-1.80	21.48	<=30	Pass
			25	23.17	-1.80	21.37	<=30	Pass
			49	23.20	-1.80	21.40	<=30	Pass
			0	23.42	-1.80	21.62	<=30	Pass
		25	13	23.37	-1.80	21.57	<=30	Pass
			25	23.36	-1.80	21.56	<=30	Pass
		50	0	23.35	-1.80	21.55	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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1.5 B4_15MHz_EIRP

1.5.1 Test Result

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	21.88	-1.80	20.08	<=30	Pass
			38	21.79	-1.80	19.99	<=30	Pass
			74	21.66	-1.80	19.86	<=30	Pass
		36	0	21.89	-1.80	20.09	<=30	Pass
			18	21.88	-1.80	20.08	<=30	Pass
			39	21.80	-1.80	20.00	<=30	Pass
		75	0	21.82	-1.80	20.02	<=30	Pass
	1732.5	1	0	21.68	-1.80	19.88	<=30	Pass
			38	21.58	-1.80	19.78	<=30	Pass
			74	21.50	-1.80	19.70	<=30	Pass
		36	0	21.61	-1.80	19.81	<=30	Pass
			18	21.53	-1.80	19.73	<=30	Pass
			39	21.53	-1.80	19.73	<=30	Pass
		75	0	21.56	-1.80	19.76	<=30	Pass
	1747.5	1	0	21.47	-1.80	19.67	<=30	Pass
			38	21.43	-1.80	19.63	<=30	Pass
			74	21.45	-1.80	19.65	<=30	Pass
		36	0	21.43	-1.80	19.63	<=30	Pass
			18	21.42	-1.80	19.62	<=30	Pass
			39	21.40	-1.80	19.60	<=30	Pass
		75	0	21.42	-1.80	19.62	<=30	Pass
16QAM	1717.5	1	0	22.56	-1.80	20.76	<=30	Pass
			38	22.49	-1.80	20.69	<=30	Pass
			74	22.34	-1.80	20.54	<=30	Pass
		36	0	21.90	-1.80	20.10	<=30	Pass
			18	21.90	-1.80	20.10	<=30	Pass
			39	21.82	-1.80	20.02	<=30	Pass
		75	0	21.87	-1.80	20.07	<=30	Pass
	1732.5	1	0	21.85	-1.80	20.05	<=30	Pass
			38	21.78	-1.80	19.98	<=30	Pass
			74	21.68	-1.80	19.88	<=30	Pass
		36	0	21.61	-1.80	19.81	<=30	Pass
			18	21.55	-1.80	19.75	<=30	Pass
			39	21.53	-1.80	19.73	<=30	Pass
		75	0	21.59	-1.80	19.79	<=30	Pass
	1747.5	1	0	21.92	-1.80	20.12	<=30	Pass
			38	21.88	-1.80	20.08	<=30	Pass
			74	21.88	-1.80	20.08	<=30	Pass
		36	0	21.40	-1.80	19.60	<=30	Pass
			18	21.39	-1.80	19.59	<=30	Pass
			39	21.38	-1.80	19.58	<=30	Pass



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		75	0	21.41	-1.80	19.61	<=30	Pass
64QAM	1717.5	1	0	26.70	-1.80	24.90	<=30	Pass
			38	26.66	-1.80	24.86	<=30	Pass
			74	26.61	-1.80	24.81	<=30	Pass
			0	25.67	-1.80	23.87	<=30	Pass
		36	18	25.69	-1.80	23.89	<=30	Pass
			39	25.66	-1.80	23.86	<=30	Pass
			75	25.65	-1.80	23.85	<=30	Pass
		1732.5	0	26.72	-1.80	24.92	<=30	Pass
			38	26.72	-1.80	24.92	<=30	Pass
			74	26.72	-1.80	24.92	<=30	Pass
			0	25.73	-1.80	23.93	<=30	Pass
			18	25.75	-1.80	23.95	<=30	Pass
			39	25.76	-1.80	23.96	<=30	Pass
			75	25.73	-1.80	23.93	<=30	Pass
	1747.5	1	0	26.41	-1.80	24.61	<=30	Pass
			38	26.37	-1.80	24.57	<=30	Pass
			74	26.36	-1.80	24.56	<=30	Pass
		36	0	25.46	-1.80	23.66	<=30	Pass
			18	25.45	-1.80	23.65	<=30	Pass
			39	25.41	-1.80	23.61	<=30	Pass
			75	25.40	-1.80	23.60	<=30	Pass
256QAM	1717.5	1	0	23.52	-1.80	21.72	<=30	Pass
			38	23.49	-1.80	21.69	<=30	Pass
			74	23.44	-1.80	21.64	<=30	Pass
		36	0	23.62	-1.80	21.82	<=30	Pass
			18	23.63	-1.80	21.83	<=30	Pass
			39	23.61	-1.80	21.81	<=30	Pass
			75	23.61	-1.80	21.81	<=30	Pass
	1732.5	1	0	23.57	-1.80	21.77	<=30	Pass
			38	23.58	-1.80	21.78	<=30	Pass
			74	23.61	-1.80	21.81	<=30	Pass
		36	0	23.70	-1.80	21.90	<=30	Pass
			18	23.69	-1.80	21.89	<=30	Pass
			39	23.71	-1.80	21.91	<=30	Pass
			75	23.70	-1.80	21.90	<=30	Pass
	1747.5	1	0	23.31	-1.80	21.51	<=30	Pass
			38	23.28	-1.80	21.48	<=30	Pass
			74	23.23	-1.80	21.43	<=30	Pass
		36	0	23.39	-1.80	21.59	<=30	Pass
			18	23.40	-1.80	21.60	<=30	Pass
			39	23.36	-1.80	21.56	<=30	Pass
			75	23.40	-1.80	21.60	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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t (86-512) 62992980 sgs.china@sgs.com

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1.6 B4_20MHz_EIRP

1.6.1 Test Result

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	21.98	-1.80	20.18	<=30	Pass
			50	21.85	-1.80	20.05	<=30	Pass
			99	21.64	-1.80	19.84	<=30	Pass
		50	0	21.89	-1.80	20.09	<=30	Pass
			25	21.85	-1.80	20.05	<=30	Pass
			50	21.69	-1.80	19.89	<=30	Pass
		100	0	21.79	-1.80	19.99	<=30	Pass
	1732.5	1	0	21.74	-1.80	19.94	<=30	Pass
			50	21.64	-1.80	19.84	<=30	Pass
			99	21.57	-1.80	19.77	<=30	Pass
		50	0	21.68	-1.80	19.88	<=30	Pass
			25	21.58	-1.80	19.78	<=30	Pass
			50	21.55	-1.80	19.75	<=30	Pass
		100	0	21.60	-1.80	19.80	<=30	Pass
	1745	1	0	21.53	-1.80	19.73	<=30	Pass
			50	21.44	-1.80	19.64	<=30	Pass
			99	21.47	-1.80	19.67	<=30	Pass
		50	0	21.48	-1.80	19.68	<=30	Pass
			25	21.46	-1.80	19.66	<=30	Pass
			50	21.42	-1.80	19.62	<=30	Pass
		100	0	21.45	-1.80	19.65	<=30	Pass
16QAM	1720	1	0	22.30	-1.80	20.50	<=30	Pass
			50	22.21	-1.80	20.41	<=30	Pass
			99	21.97	-1.80	20.17	<=30	Pass
		50	0	21.86	-1.80	20.06	<=30	Pass
			25	21.84	-1.80	20.04	<=30	Pass
			50	21.70	-1.80	19.90	<=30	Pass
		100	0	21.83	-1.80	20.03	<=30	Pass
	1732.5	1	0	21.99	-1.80	20.19	<=30	Pass
			50	21.89	-1.80	20.09	<=30	Pass
			99	21.77	-1.80	19.97	<=30	Pass
		50	0	21.66	-1.80	19.86	<=30	Pass
			25	21.57	-1.80	19.77	<=30	Pass
			50	21.53	-1.80	19.73	<=30	Pass
		100	0	21.62	-1.80	19.82	<=30	Pass
	1745	1	0	22.15	-1.80	20.35	<=30	Pass
			50	22.04	-1.80	20.24	<=30	Pass
			99	22.08	-1.80	20.28	<=30	Pass
		50	0	21.44	-1.80	19.64	<=30	Pass
			25	21.44	-1.80	19.64	<=30	Pass
			50	21.43	-1.80	19.63	<=30	Pass



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215000
215000

t (86-512) 62992980
t (86-512) 62992980

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		100	0	21.48	-1.80	19.68	<=30	Pass
64QAM	1720	1	0	26.96	-1.80	25.16	<=30	Pass
			50	26.92	-1.80	25.12	<=30	Pass
			99	26.94	-1.80	25.14	<=30	Pass
			0	25.65	-1.80	23.85	<=30	Pass
		50	25	25.69	-1.80	23.89	<=30	Pass
			50	25.65	-1.80	23.85	<=30	Pass
		100	0	25.65	-1.80	23.85	<=30	Pass
	1732.5	1	0	26.91	-1.80	25.11	<=30	Pass
			50	26.93	-1.80	25.13	<=30	Pass
			99	26.89	-1.80	25.09	<=30	Pass
			0	25.75	-1.80	23.95	<=30	Pass
		50	25	25.73	-1.80	23.93	<=30	Pass
			50	25.74	-1.80	23.94	<=30	Pass
		100	0	25.73	-1.80	23.93	<=30	Pass
	1745	1	0	26.73	-1.80	24.93	<=30	Pass
			50	26.70	-1.80	24.90	<=30	Pass
			99	26.64	-1.80	24.84	<=30	Pass
			0	25.50	-1.80	23.70	<=30	Pass
		50	25	25.49	-1.80	23.69	<=30	Pass
			50	25.46	-1.80	23.66	<=30	Pass
		100	0	25.47	-1.80	23.67	<=30	Pass
256QAM	1720	1	0	23.93	-1.80	22.13	<=30	Pass
			50	23.92	-1.80	22.12	<=30	Pass
			99	23.87	-1.80	22.07	<=30	Pass
			0	23.65	-1.80	21.85	<=30	Pass
		50	25	23.67	-1.80	21.87	<=30	Pass
			50	23.64	-1.80	21.84	<=30	Pass
		100	0	23.65	-1.80	21.85	<=30	Pass
	1732.5	1	0	23.91	-1.80	22.11	<=30	Pass
			50	23.99	-1.80	22.19	<=30	Pass
			99	23.98	-1.80	22.18	<=30	Pass
			0	23.72	-1.80	21.92	<=30	Pass
		50	25	23.72	-1.80	21.92	<=30	Pass
			50	23.73	-1.80	21.93	<=30	Pass
		100	0	23.72	-1.80	21.92	<=30	Pass
	1745	1	0	23.78	-1.80	21.98	<=30	Pass
			50	23.72	-1.80	21.92	<=30	Pass
			99	23.69	-1.80	21.89	<=30	Pass
			0	23.49	-1.80	21.69	<=30	Pass
		50	25	23.49	-1.80	21.69	<=30	Pass
			50	23.45	-1.80	21.65	<=30	Pass
		100	0	23.47	-1.80	21.67	<=30	Pass

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2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.6	8.855	0.0052	-2.5 to 2.5	Pass
					3.84	14.305	0.0084	-2.5 to 2.5	Pass
					4.25	37.279	0.0218	-2.5 to 2.5	Pass
				-30	3.84	58.036	0.0339	-2.5 to 2.5	Pass
				-20	3.84	76.146	0.0445	-2.5 to 2.5	Pass
				-10	3.84	-10.242	-0.0060	-2.5 to 2.5	Pass
				0	3.84	-0.744	-0.0004	-2.5 to 2.5	Pass
				10	3.84	5.679	0.0033	-2.5 to 2.5	Pass
				30	3.84	12.188	0.0071	-2.5 to 2.5	Pass
				40	3.84	15.507	0.0091	-2.5 to 2.5	Pass
				50	3.84	17.824	0.0104	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.6	-10.500	-0.0061	-2.5 to 2.5	Pass
					3.84	-17.452	-0.0101	-2.5 to 2.5	Pass
					4.25	-57.836	-0.0334	-2.5 to 2.5	Pass
				-30	3.84	-84.271	-0.0486	-2.5 to 2.5	Pass
				-20	3.84	-10.757	-0.0062	-2.5 to 2.5	Pass
				-10	3.84	-40.112	-0.0232	-2.5 to 2.5	Pass
				0	3.84	-75.574	-0.0436	-2.5 to 2.5	Pass
				10	3.84	-9.999	-0.0058	-2.5 to 2.5	Pass
				30	3.84	-41.013	-0.0237	-2.5 to 2.5	Pass
				40	3.84	-68.049	-0.0393	-2.5 to 2.5	Pass
				50	3.84	-88.806	-0.0513	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.6	-1.302	-0.0007	-2.5 to 2.5	Pass
					3.84	-46.649	-0.0266	-2.5 to 2.5	Pass
					4.25	-54.216	-0.0309	-2.5 to 2.5	Pass
				-30	3.84	-35.419	-0.0202	-2.5 to 2.5	Pass
				-20	3.84	-17.395	-0.0099	-2.5 to 2.5	Pass
				-10	3.84	-4.277	-0.0024	-2.5 to 2.5	Pass
				0	3.84	4.807	0.0027	-2.5 to 2.5	Pass
				10	3.84	13.089	0.0075	-2.5 to 2.5	Pass
				30	3.84	18.125	0.0103	-2.5 to 2.5	Pass
				40	3.84	24.390	0.0139	-2.5 to 2.5	Pass
				50	3.84	28.110	0.0160	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.6	19.469	0.0114	-2.5 to 2.5	Pass
					3.84	23.890	0.0140	-2.5 to 2.5	Pass
					4.25	28.310	0.0165	-2.5 to 2.5	Pass
				-30	3.84	30.341	0.0177	-2.5 to 2.5	Pass
				-20	3.84	33.789	0.0198	-2.5 to 2.5	Pass
				-10	3.84	37.780	0.0221	-2.5 to 2.5	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 15 of 281

64QAM				0	3.84	42.815	0.0250	-2.5 to 2.5	Pass
				10	3.84	46.978	0.0275	-2.5 to 2.5	Pass
				30	3.84	50.125	0.0293	-2.5 to 2.5	Pass
				40	3.84	54.474	0.0318	-2.5 to 2.5	Pass
				50	3.84	57.878	0.0338	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.6	-11.702	-0.0068	-2.5 to 2.5	Pass
					3.84	-28.095	-0.0162	-2.5 to 2.5	Pass
					4.25	-45.576	-0.0263	-2.5 to 2.5	Pass
				-30	3.84	-57.907	-0.0334	-2.5 to 2.5	Pass
				-20	3.84	-69.981	-0.0404	-2.5 to 2.5	Pass
				-10	3.84	-82.026	-0.0473	-2.5 to 2.5	Pass
				0	3.84	-93.670	-0.0541	-2.5 to 2.5	Pass
				10	3.84	-4.420	-0.0026	-2.5 to 2.5	Pass
				30	3.84	-15.492	-0.0089	-2.5 to 2.5	Pass
				40	3.84	-23.246	-0.0134	-2.5 to 2.5	Pass
				50	3.84	-29.826	-0.0172	-2.5 to 2.5	Pass
				20	3.6	33.116	0.0189	-2.5 to 2.5	Pass
					3.84	32.158	0.0183	-2.5 to 2.5	Pass
					4.25	32.015	0.0182	-2.5 to 2.5	Pass
	1754.3	6	0	-30	3.84	32.158	0.0183	-2.5 to 2.5	Pass
				-20	3.84	32.916	0.0188	-2.5 to 2.5	Pass
				-10	3.84	35.362	0.0202	-2.5 to 2.5	Pass
				0	3.84	37.622	0.0214	-2.5 to 2.5	Pass
				10	3.84	39.783	0.0227	-2.5 to 2.5	Pass
				30	3.84	43.015	0.0245	-2.5 to 2.5	Pass
				40	3.84	43.073	0.0246	-2.5 to 2.5	Pass
				50	3.84	42.429	0.0242	-2.5 to 2.5	Pass
				20	3.6	-21.728	-0.0127	-2.5 to 2.5	Pass
					3.84	-27.119	-0.0159	-2.5 to 2.5	Pass
					4.25	-19.706	-0.0115	-2.5 to 2.5	Pass
				-30	3.84	-75.385	-0.0441	-2.5 to 2.5	Pass
	1710.7	6	0	-20	3.84	-40.567	-0.0237	-2.5 to 2.5	Pass
				-10	3.84	-67.934	-0.0397	-2.5 to 2.5	Pass
				0	3.84	-6.878	-0.0040	-2.5 to 2.5	Pass
				10	3.84	-34.352	-0.0201	-2.5 to 2.5	Pass
				30	3.84	-51.894	-0.0303	-2.5 to 2.5	Pass
				40	3.84	-42.366	-0.0248	-2.5 to 2.5	Pass
				50	3.84	-38.246	-0.0224	-2.5 to 2.5	Pass
				20	3.6	0.893	0.0005	-2.5 to 2.5	Pass
					3.84	-45.238	-0.0261	-2.5 to 2.5	Pass
					4.25	-13.001	-0.0075	-2.5 to 2.5	Pass
				-30	3.84	-54.249	-0.0313	-2.5 to 2.5	Pass
	1732.5	6	0	-20	3.84	-102.122	-0.0589	-2.5 to 2.5	Pass
				-10	3.84	-54.775	-0.0316	-2.5 to 2.5	Pass
				0	3.84	-107.226	-0.0619	-2.5 to 2.5	Pass
				10	3.84	-44.984	-0.0260	-2.5 to 2.5	Pass
				30	3.84	-83.414	-0.0481	-2.5 to 2.5	Pass
				40	3.84	-19.159	-0.0111	-2.5 to 2.5	Pass
				50	3.84	-55.854	-0.0322	-2.5 to 2.5	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 16 of 281

	1754.3	6	0	20	3.6	1.904	0.0011	-2.5 to 2.5	Pass
					3.84	-15.170	-0.0086	-2.5 to 2.5	Pass
					4.25	9.962	0.0057	-2.5 to 2.5	Pass
				-30	3.84	-8.260	-0.0047	-2.5 to 2.5	Pass
				-20	3.84	-46.569	-0.0265	-2.5 to 2.5	Pass
				-10	3.84	-80.461	-0.0459	-2.5 to 2.5	Pass
				0	3.84	2.793	0.0016	-2.5 to 2.5	Pass
				10	3.84	-5.463	-0.0031	-2.5 to 2.5	Pass
				30	3.84	-3.985	-0.0023	-2.5 to 2.5	Pass
				40	3.84	3.163	0.0018	-2.5 to 2.5	Pass
50	3.84	-67.602	-0.0385	-2.5 to 2.5	Pass				
256QAM	1710.7	6	0	20	3.6	-35.159	-0.0206	-2.5 to 2.5	Pass
					3.84	2.705	0.0016	-2.5 to 2.5	Pass
					4.25	-43.526	-0.0254	-2.5 to 2.5	Pass
				-30	3.84	-78.592	-0.0459	-2.5 to 2.5	Pass
				-20	3.84	-16.170	-0.0095	-2.5 to 2.5	Pass
				-10	3.84	-47.007	-0.0275	-2.5 to 2.5	Pass
				0	3.84	-78.164	-0.0457	-2.5 to 2.5	Pass
				10	3.84	-4.690	-0.0027	-2.5 to 2.5	Pass
				30	3.84	-29.831	-0.0174	-2.5 to 2.5	Pass
				40	3.84	-51.390	-0.0300	-2.5 to 2.5	Pass
	50	3.84	-75.507	-0.0441	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.6	-96.227	-0.0555	-2.5 to 2.5	Pass
					3.84	-16.945	-0.0098	-2.5 to 2.5	Pass
					4.25	-27.866	-0.0161	-2.5 to 2.5	Pass
				-30	3.84	-31.334	-0.0181	-2.5 to 2.5	Pass
				-20	3.84	-33.622	-0.0194	-2.5 to 2.5	Pass
				-10	3.84	-36.007	-0.0208	-2.5 to 2.5	Pass
				0	3.84	-37.987	-0.0219	-2.5 to 2.5	Pass
				10	3.84	-38.900	-0.0225	-2.5 to 2.5	Pass
				30	3.84	-44.303	-0.0256	-2.5 to 2.5	Pass
				40	3.84	-46.429	-0.0268	-2.5 to 2.5	Pass
	50	3.84	-49.612	-0.0286	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.6	-49.607	-0.0283	-2.5 to 2.5	Pass
					3.84	-5.396	-0.0031	-2.5 to 2.5	Pass
					4.25	-52.000	-0.0296	-2.5 to 2.5	Pass
				-30	3.84	-81.762	-0.0466	-2.5 to 2.5	Pass
				-20	3.84	-6.665	-0.0038	-2.5 to 2.5	Pass
				-10	3.84	-32.302	-0.0184	-2.5 to 2.5	Pass
				0	3.84	-62.517	-0.0356	-2.5 to 2.5	Pass
				10	3.84	-82.978	-0.0473	-2.5 to 2.5	Pass
				30	3.84	-8.271	-0.0047	-2.5 to 2.5	Pass
				40	3.84	-26.991	-0.0154	-2.5 to 2.5	Pass
	50	3.84	-45.416	-0.0259	-2.5 to 2.5	Pass			



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t (86-512) 62992980 sgs.china@sgs.com

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2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.6	28.996	0.0169	-2.5 to 2.5	Pass
					3.84	46.334	0.0271	-2.5 to 2.5	Pass
					4.25	53.730	0.0314	-2.5 to 2.5	Pass
				-30	3.84	53.959	0.0315	-2.5 to 2.5	Pass
				-20	3.84	47.493	0.0277	-2.5 to 2.5	Pass
				-10	3.84	37.780	0.0221	-2.5 to 2.5	Pass
				0	3.84	27.666	0.0162	-2.5 to 2.5	Pass
				10	3.84	15.664	0.0092	-2.5 to 2.5	Pass
				30	3.84	5.407	0.0032	-2.5 to 2.5	Pass
				40	3.84	-5.107	-0.0030	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.6	-9.098	-0.0053	-2.5 to 2.5	Pass
					3.84	-21.958	-0.0127	-2.5 to 2.5	Pass
					4.25	-22.259	-0.0128	-2.5 to 2.5	Pass
				-30	3.84	-15.121	-0.0087	-2.5 to 2.5	Pass
				-20	3.84	-4.549	-0.0026	-2.5 to 2.5	Pass
				-10	3.84	2.389	0.0014	-2.5 to 2.5	Pass
				0	3.84	7.768	0.0045	-2.5 to 2.5	Pass
				10	3.84	13.447	0.0078	-2.5 to 2.5	Pass
				30	3.84	15.607	0.0090	-2.5 to 2.5	Pass
				40	3.84	17.910	0.0103	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.6	-7.410	-0.0042	-2.5 to 2.5	Pass
					3.84	-7.324	-0.0042	-2.5 to 2.5	Pass
					4.25	8.440	0.0048	-2.5 to 2.5	Pass
				-30	3.84	31.157	0.0178	-2.5 to 2.5	Pass
				-20	3.84	49.782	0.0284	-2.5 to 2.5	Pass
				-10	3.84	65.789	0.0375	-2.5 to 2.5	Pass
				0	3.84	77.376	0.0441	-2.5 to 2.5	Pass
				10	3.84	88.120	0.0503	-2.5 to 2.5	Pass
				30	3.84	-0.114	-0.0001	-2.5 to 2.5	Pass
				40	3.84	8.197	0.0047	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.6	-28.710	-0.0168	-2.5 to 2.5	Pass
					3.84	-37.451	-0.0219	-2.5 to 2.5	Pass
					4.25	-46.520	-0.0272	-2.5 to 2.5	Pass
				-30	3.84	-53.158	-0.0311	-2.5 to 2.5	Pass
				-20	3.84	-60.439	-0.0353	-2.5 to 2.5	Pass
				-10	3.84	-65.804	-0.0384	-2.5 to 2.5	Pass
				0	3.84	-71.726	-0.0419	-2.5 to 2.5	Pass
				10	3.84	-78.077	-0.0456	-2.5 to 2.5	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 18 of 281

64QAM	1732.5	15	0	30	3.84	-82.397	-0.0481	-2.5 to 2.5	Pass
				40	3.84	-89.850	-0.0525	-2.5 to 2.5	Pass
				50	3.84	3.891	0.0023	-2.5 to 2.5	Pass
				20	3.6	23.832	0.0138	-2.5 to 2.5	Pass
					3.84	24.705	0.0143	-2.5 to 2.5	Pass
					4.25	23.789	0.0137	-2.5 to 2.5	Pass
				-30	3.84	24.519	0.0142	-2.5 to 2.5	Pass
				-20	3.84	25.978	0.0150	-2.5 to 2.5	Pass
				-10	3.84	26.422	0.0153	-2.5 to 2.5	Pass
				0	3.84	27.223	0.0157	-2.5 to 2.5	Pass
				10	3.84	29.025	0.0168	-2.5 to 2.5	Pass
				30	3.84	28.996	0.0167	-2.5 to 2.5	Pass
				40	3.84	27.995	0.0162	-2.5 to 2.5	Pass
				50	3.84	13.475	0.0078	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.6	23.732	0.0135	-2.5 to 2.5	Pass
					3.84	24.390	0.0139	-2.5 to 2.5	Pass
					4.25	25.134	0.0143	-2.5 to 2.5	Pass
				-30	3.84	27.151	0.0155	-2.5 to 2.5	Pass
				-20	3.84	31.772	0.0181	-2.5 to 2.5	Pass
				-10	3.84	36.535	0.0208	-2.5 to 2.5	Pass
				0	3.84	39.253	0.0224	-2.5 to 2.5	Pass
				10	3.84	43.187	0.0246	-2.5 to 2.5	Pass
				30	3.84	47.636	0.0272	-2.5 to 2.5	Pass
				40	3.84	50.082	0.0286	-2.5 to 2.5	Pass
				50	3.84	53.973	0.0308	-2.5 to 2.5	Pass
	1711.5	15	0	20	3.6	-40.023	-0.0234	-2.5 to 2.5	Pass
					3.84	-33.401	-0.0195	-2.5 to 2.5	Pass
					4.25	-50.006	-0.0292	-2.5 to 2.5	Pass
				-30	3.84	-61.148	-0.0357	-2.5 to 2.5	Pass
				-20	3.84	-53.794	-0.0314	-2.5 to 2.5	Pass
				-10	3.84	-44.921	-0.0262	-2.5 to 2.5	Pass
				0	3.84	-43.912	-0.0257	-2.5 to 2.5	Pass
				10	3.84	-32.448	-0.0190	-2.5 to 2.5	Pass
				30	3.84	-2.008	-0.0012	-2.5 to 2.5	Pass
				40	3.84	-74.757	-0.0437	-2.5 to 2.5	Pass
				50	3.84	-48.817	-0.0285	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.6	17.348	0.0100	-2.5 to 2.5	Pass
					3.84	-1.779	-0.0010	-2.5 to 2.5	Pass
					4.25	-45.278	-0.0261	-2.5 to 2.5	Pass
				-30	3.84	8.573	0.0049	-2.5 to 2.5	Pass
				-20	3.84	-47.881	-0.0276	-2.5 to 2.5	Pass
				-10	3.84	-2.721	-0.0016	-2.5 to 2.5	Pass
				0	3.84	-47.329	-0.0273	-2.5 to 2.5	Pass
				10	3.84	1.125	0.0006	-2.5 to 2.5	Pass
				30	3.84	-38.547	-0.0222	-2.5 to 2.5	Pass
				40	3.84	-84.960	-0.0490	-2.5 to 2.5	Pass
				50	3.84	-26.494	-0.0153	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.6	-46.691	-0.0266	-2.5 to 2.5	Pass
					3.84	-72.739	-0.0415	-2.5 to 2.5	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 19 of 281

256QAM	1711.5	15	0		4.25	-72.562	-0.0414	-2.5 to 2.5	Pass
				-30	3.84	-56.486	-0.0322	-2.5 to 2.5	Pass
				-20	3.84	-53.483	-0.0305	-2.5 to 2.5	Pass
				-10	3.84	-43.095	-0.0246	-2.5 to 2.5	Pass
				0	3.84	-20.472	-0.0117	-2.5 to 2.5	Pass
				10	3.84	-34.126	-0.0195	-2.5 to 2.5	Pass
				30	3.84	-44.959	-0.0256	-2.5 to 2.5	Pass
				40	3.84	5.402	0.0031	-2.5 to 2.5	Pass
				50	3.84	-44.015	-0.0251	-2.5 to 2.5	Pass
				20	3.6	-14.998	-0.0088	-2.5 to 2.5	Pass
256QAM	1732.5	15	0		3.84	-69.268	-0.0405	-2.5 to 2.5	Pass
					4.25	-8.601	-0.0050	-2.5 to 2.5	Pass
				-30	3.84	-44.106	-0.0258	-2.5 to 2.5	Pass
				-20	3.84	-72.114	-0.0421	-2.5 to 2.5	Pass
				-10	3.84	-95.047	-0.0555	-2.5 to 2.5	Pass
				0	3.84	-11.418	-0.0067	-2.5 to 2.5	Pass
				10	3.84	-27.738	-0.0162	-2.5 to 2.5	Pass
				30	3.84	-47.806	-0.0279	-2.5 to 2.5	Pass
				40	3.84	-67.214	-0.0393	-2.5 to 2.5	Pass
				50	3.84	-85.266	-0.0498	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.6	-60.652	-0.0350	-2.5 to 2.5	Pass
					3.84	-83.763	-0.0483	-2.5 to 2.5	Pass
					4.25	6.076	0.0035	-2.5 to 2.5	Pass
				-30	3.84	0.749	0.0004	-2.5 to 2.5	Pass
				-20	3.84	-2.241	-0.0013	-2.5 to 2.5	Pass
				-10	3.84	-4.254	-0.0025	-2.5 to 2.5	Pass
				0	3.84	-5.210	-0.0030	-2.5 to 2.5	Pass
				10	3.84	-8.147	-0.0047	-2.5 to 2.5	Pass
				30	3.84	-10.828	-0.0062	-2.5 to 2.5	Pass
				40	3.84	-14.718	-0.0085	-2.5 to 2.5	Pass
256QAM	1753.5	15	0		3.84	-17.763	-0.0103	-2.5 to 2.5	Pass
				20	3.6	-1.880	-0.0011	-2.5 to 2.5	Pass
					3.84	-37.431	-0.0213	-2.5 to 2.5	Pass
					4.25	-61.577	-0.0351	-2.5 to 2.5	Pass
				-30	3.84	-79.166	-0.0451	-2.5 to 2.5	Pass
				-20	3.84	9.259	0.0053	-2.5 to 2.5	Pass
				-10	3.84	-3.332	-0.0019	-2.5 to 2.5	Pass
				0	3.84	-15.653	-0.0089	-2.5 to 2.5	Pass
				10	3.84	-33.424	-0.0191	-2.5 to 2.5	Pass
				30	3.84	-42.616	-0.0243	-2.5 to 2.5	Pass
	1753.5	15	0		3.84	-51.107	-0.0291	-2.5 to 2.5	Pass
					3.84	-58.231	-0.0332	-2.5 to 2.5	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 20 of 281

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.6	47.779	0.0279	-2.5 to 2.5	Pass
					3.84	66.075	0.0386	-2.5 to 2.5	Pass
					4.25	66.948	0.0391	-2.5 to 2.5	Pass
				-30	3.84	63.057	0.0368	-2.5 to 2.5	Pass
				-20	3.84	55.003	0.0321	-2.5 to 2.5	Pass
				-10	3.84	42.014	0.0245	-2.5 to 2.5	Pass
				0	3.84	31.857	0.0186	-2.5 to 2.5	Pass
				10	3.84	19.612	0.0115	-2.5 to 2.5	Pass
				30	3.84	6.809	0.0040	-2.5 to 2.5	Pass
				40	3.84	-6.680	-0.0039	-2.5 to 2.5	Pass
				50	3.84	-18.640	-0.0109	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.6	-2.232	-0.0013	-2.5 to 2.5	Pass
					3.84	-17.538	-0.0101	-2.5 to 2.5	Pass
					4.25	-17.066	-0.0099	-2.5 to 2.5	Pass
				-30	3.84	-11.673	-0.0067	-2.5 to 2.5	Pass
				-20	3.84	-4.334	-0.0025	-2.5 to 2.5	Pass
				-10	3.84	-0.515	-0.0003	-2.5 to 2.5	Pass
				0	3.84	1.731	0.0010	-2.5 to 2.5	Pass
				10	3.84	4.177	0.0024	-2.5 to 2.5	Pass
				30	3.84	6.437	0.0037	-2.5 to 2.5	Pass
				40	3.84	6.223	0.0036	-2.5 to 2.5	Pass
				50	3.84	8.082	0.0047	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.6	-8.783	-0.0050	-2.5 to 2.5	Pass
					3.84	-18.182	-0.0104	-2.5 to 2.5	Pass
					4.25	-9.298	-0.0053	-2.5 to 2.5	Pass
				-30	3.84	7.882	0.0045	-2.5 to 2.5	Pass
				-20	3.84	23.832	0.0136	-2.5 to 2.5	Pass
				-10	3.84	33.817	0.0193	-2.5 to 2.5	Pass
				0	3.84	43.488	0.0248	-2.5 to 2.5	Pass
				10	3.84	50.225	0.0287	-2.5 to 2.5	Pass
				30	3.84	59.023	0.0337	-2.5 to 2.5	Pass
				40	3.84	65.289	0.0373	-2.5 to 2.5	Pass
				50	3.84	72.799	0.0415	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.6	-30.398	-0.0178	-2.5 to 2.5	Pass
					3.84	-38.996	-0.0228	-2.5 to 2.5	Pass
					4.25	-45.762	-0.0267	-2.5 to 2.5	Pass
				-30	3.84	-54.960	-0.0321	-2.5 to 2.5	Pass
				-20	3.84	-62.642	-0.0366	-2.5 to 2.5	Pass
				-10	3.84	-66.633	-0.0389	-2.5 to 2.5	Pass
				0	3.84	-72.069	-0.0421	-2.5 to 2.5	Pass
				10	3.84	-77.291	-0.0451	-2.5 to 2.5	Pass



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t (86-512) 62992980 www.sgs.com
t (86-512) 62992980 sgs.china@sgs.com

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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 21 of 281

64QAM	1732.5	25	0	30	3.84	-81.911	-0.0478	-2.5 to 2.5	Pass
				40	3.84	-86.575	-0.0506	-2.5 to 2.5	Pass
				50	3.84	-90.065	-0.0526	-2.5 to 2.5	Pass
				20	3.6	7.138	0.0041	-2.5 to 2.5	Pass
					3.84	6.981	0.0040	-2.5 to 2.5	Pass
					4.25	8.740	0.0050	-2.5 to 2.5	Pass
				-30	3.84	10.014	0.0058	-2.5 to 2.5	Pass
				-20	3.84	10.414	0.0060	-2.5 to 2.5	Pass
				-10	3.84	11.230	0.0065	-2.5 to 2.5	Pass
				0	3.84	11.415	0.0066	-2.5 to 2.5	Pass
				10	3.84	13.261	0.0077	-2.5 to 2.5	Pass
				30	3.84	13.962	0.0081	-2.5 to 2.5	Pass
	1752.5	25	0	40	3.84	14.591	0.0084	-2.5 to 2.5	Pass
				50	3.84	14.477	0.0084	-2.5 to 2.5	Pass
				20	3.6	79.594	0.0454	-2.5 to 2.5	Pass
					3.84	81.282	0.0464	-2.5 to 2.5	Pass
					4.25	82.154	0.0469	-2.5 to 2.5	Pass
				-30	3.84	83.914	0.0479	-2.5 to 2.5	Pass
				-20	3.84	-18.024	-0.0103	-2.5 to 2.5	Pass
				-10	3.84	-14.906	-0.0085	-2.5 to 2.5	Pass
				0	3.84	-13.275	-0.0076	-2.5 to 2.5	Pass
				10	3.84	-11.387	-0.0065	-2.5 to 2.5	Pass
				30	3.84	-7.181	-0.0041	-2.5 to 2.5	Pass
				40	3.84	-4.277	-0.0024	-2.5 to 2.5	Pass
	1712.5	25	0	50	3.84	-3.448	-0.0020	-2.5 to 2.5	Pass
				20	3.6	-62.782	-0.0367	-2.5 to 2.5	Pass
					3.84	2.804	0.0016	-2.5 to 2.5	Pass
					4.25	-30.451	-0.0178	-2.5 to 2.5	Pass
				-30	3.84	-57.570	-0.0336	-2.5 to 2.5	Pass
				-20	3.84	-77.535	-0.0453	-2.5 to 2.5	Pass
				-10	3.84	-68.290	-0.0399	-2.5 to 2.5	Pass
				0	3.84	-56.694	-0.0331	-2.5 to 2.5	Pass
				10	3.84	-57.328	-0.0335	-2.5 to 2.5	Pass
				30	3.84	-27.421	-0.0160	-2.5 to 2.5	Pass
				40	3.84	4.934	0.0029	-2.5 to 2.5	Pass
				50	3.84	-68.066	-0.0397	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.6	8.569	0.0049	-2.5 to 2.5	Pass
					3.84	4.694	0.0027	-2.5 to 2.5	Pass
					4.25	-31.264	-0.0180	-2.5 to 2.5	Pass
				-30	3.84	-71.678	-0.0414	-2.5 to 2.5	Pass
				-20	3.84	-25.418	-0.0147	-2.5 to 2.5	Pass
				-10	3.84	-78.942	-0.0456	-2.5 to 2.5	Pass
				0	3.84	-27.393	-0.0158	-2.5 to 2.5	Pass
				10	3.84	-67.453	-0.0389	-2.5 to 2.5	Pass
				30	3.84	-5.222	-0.0030	-2.5 to 2.5	Pass
				40	3.84	-41.262	-0.0238	-2.5 to 2.5	Pass
				50	3.84	-73.430	-0.0424	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.6	-65.612	-0.0374	-2.5 to 2.5	Pass
					3.84	-5.364	-0.0031	-2.5 to 2.5	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 22 of 281

256QAM	1712.5	25	0		4.25	-28.886	-0.0165	-2.5 to 2.5	Pass
				-30	3.84	-59.836	-0.0341	-2.5 to 2.5	Pass
				-20	3.84	-10.093	-0.0058	-2.5 to 2.5	Pass
				-10	3.84	-47.330	-0.0270	-2.5 to 2.5	Pass
				0	3.84	-72.557	-0.0414	-2.5 to 2.5	Pass
				10	3.84	-63.930	-0.0365	-2.5 to 2.5	Pass
				30	3.84	-71.286	-0.0407	-2.5 to 2.5	Pass
				40	3.84	-64.482	-0.0368	-2.5 to 2.5	Pass
				50	3.84	-49.177	-0.0281	-2.5 to 2.5	Pass
				20	3.6	-29.017	-0.0169	-2.5 to 2.5	Pass
	1732.5	25	0		3.84	-81.082	-0.0473	-2.5 to 2.5	Pass
					4.25	-14.311	-0.0084	-2.5 to 2.5	Pass
				-30	3.84	-45.840	-0.0268	-2.5 to 2.5	Pass
				-20	3.84	-69.230	-0.0404	-2.5 to 2.5	Pass
				-10	3.84	-90.779	-0.0530	-2.5 to 2.5	Pass
				0	3.84	-10.385	-0.0061	-2.5 to 2.5	Pass
				10	3.84	-26.954	-0.0157	-2.5 to 2.5	Pass
				30	3.84	-44.480	-0.0260	-2.5 to 2.5	Pass
				40	3.84	-59.317	-0.0346	-2.5 to 2.5	Pass
				50	3.84	-78.750	-0.0460	-2.5 to 2.5	Pass
256QAM	1732.5	25	0	20	3.6	-8.753	-0.0051	-2.5 to 2.5	Pass
					3.84	-29.805	-0.0172	-2.5 to 2.5	Pass
					4.25	-38.566	-0.0223	-2.5 to 2.5	Pass
				-30	3.84	-40.962	-0.0236	-2.5 to 2.5	Pass
				-20	3.84	-44.018	-0.0254	-2.5 to 2.5	Pass
				-10	3.84	-46.120	-0.0266	-2.5 to 2.5	Pass
				0	3.84	-47.708	-0.0275	-2.5 to 2.5	Pass
				10	3.84	-49.062	-0.0283	-2.5 to 2.5	Pass
				30	3.84	-50.928	-0.0294	-2.5 to 2.5	Pass
				40	3.84	-54.360	-0.0314	-2.5 to 2.5	Pass
	1752.5	25	0	50	3.84	-58.274	-0.0336	-2.5 to 2.5	Pass
				20	3.6	-32.581	-0.0186	-2.5 to 2.5	Pass
					3.84	13.012	0.0074	-2.5 to 2.5	Pass
					4.25	-27.110	-0.0155	-2.5 to 2.5	Pass
				-30	3.84	-67.620	-0.0386	-2.5 to 2.5	Pass
				-20	3.84	-1.622	-0.0009	-2.5 to 2.5	Pass
				-10	3.84	-27.557	-0.0157	-2.5 to 2.5	Pass
				0	3.84	-54.508	-0.0311	-2.5 to 2.5	Pass
				10	3.84	-77.688	-0.0443	-2.5 to 2.5	Pass
				30	3.84	0.024	0.0000	-2.5 to 2.5	Pass
				40	3.84	-27.511	-0.0157	-2.5 to 2.5	Pass
				50	3.84	-44.408	-0.0253	-2.5 to 2.5	Pass



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t (86-512) 62992980 sgs.china@sgs.com

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2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.6	54.789	0.0319	-2.5 to 2.5	Pass
					3.84	70.324	0.0410	-2.5 to 2.5	Pass
					4.25	73.171	0.0427	-2.5 to 2.5	Pass
				-30	3.84	63.901	0.0373	-2.5 to 2.5	Pass
				-20	3.84	49.109	0.0286	-2.5 to 2.5	Pass
				-10	3.84	33.717	0.0197	-2.5 to 2.5	Pass
				0	3.84	16.193	0.0094	-2.5 to 2.5	Pass
				10	3.84	1.202	0.0007	-2.5 to 2.5	Pass
				30	3.84	-12.946	-0.0075	-2.5 to 2.5	Pass
				40	3.84	-25.578	-0.0149	-2.5 to 2.5	Pass
				50	3.84	-37.265	-0.0217	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.6	-0.157	-0.0001	-2.5 to 2.5	Pass
					3.84	-8.483	-0.0049	-2.5 to 2.5	Pass
					4.25	4.120	0.0024	-2.5 to 2.5	Pass
				-30	3.84	14.377	0.0083	-2.5 to 2.5	Pass
				-20	3.84	19.512	0.0113	-2.5 to 2.5	Pass
				-10	3.84	23.417	0.0135	-2.5 to 2.5	Pass
				0	3.84	27.237	0.0157	-2.5 to 2.5	Pass
				10	3.84	29.168	0.0168	-2.5 to 2.5	Pass
				30	3.84	30.041	0.0173	-2.5 to 2.5	Pass
				40	3.84	33.517	0.0193	-2.5 to 2.5	Pass
				50	3.84	34.690	0.0200	-2.5 to 2.5	Pass
	1750	50	0	20	3.6	-0.329	-0.0002	-2.5 to 2.5	Pass
					3.84	-0.858	-0.0005	-2.5 to 2.5	Pass
					4.25	21.315	0.0122	-2.5 to 2.5	Pass
				-30	3.84	42.458	0.0243	-2.5 to 2.5	Pass
				-20	3.84	58.007	0.0331	-2.5 to 2.5	Pass
				-10	3.84	69.966	0.0400	-2.5 to 2.5	Pass
				0	3.84	81.568	0.0466	-2.5 to 2.5	Pass
				10	3.84	-14.076	-0.0080	-2.5 to 2.5	Pass
				30	3.84	-5.622	-0.0032	-2.5 to 2.5	Pass
				40	3.84	2.632	0.0015	-2.5 to 2.5	Pass
				50	3.84	6.380	0.0036	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.6	-46.391	-0.0271	-2.5 to 2.5	Pass
					3.84	-56.820	-0.0331	-2.5 to 2.5	Pass
					4.25	-64.631	-0.0377	-2.5 to 2.5	Pass
				-30	3.84	-71.111	-0.0415	-2.5 to 2.5	Pass
				-20	3.84	-76.432	-0.0446	-2.5 to 2.5	Pass
				-10	3.84	21.086	0.0123	-2.5 to 2.5	Pass
				0	3.84	9.699	0.0057	-2.5 to 2.5	Pass
				10	3.84	-38.738	-0.0226	-2.5 to 2.5	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 24 of 281

	1732.5	50	0	30	3.84	-52.629	-0.0307	-2.5 to 2.5	Pass		
					40	3.84	-51.255	-0.0299	-2.5 to 2.5	Pass	
					50	3.84	-48.881	-0.0285	-2.5 to 2.5	Pass	
				20	3.6	36.893	0.0213	-2.5 to 2.5	Pass		
						3.84	34.690	0.0200	-2.5 to 2.5	Pass	
						4.25	36.335	0.0210	-2.5 to 2.5	Pass	
					-30	3.84	38.767	0.0224	-2.5 to 2.5	Pass	
						-20	3.84	41.471	0.0239	-2.5 to 2.5	Pass
						-10	3.84	45.304	0.0261	-2.5 to 2.5	Pass
					0	3.84	48.680	0.0281	-2.5 to 2.5	Pass	
						10	3.84	51.913	0.0300	-2.5 to 2.5	Pass
						30	3.84	55.189	0.0319	-2.5 to 2.5	Pass
	40	3.84	57.034	0.0329	-2.5 to 2.5	Pass					
		50	3.84	59.338	0.0342	-2.5 to 2.5	Pass				
		1750	50	0	20	3.6	12.732	0.0073	-2.5 to 2.5	Pass	
	3.84					12.288	0.0070	-2.5 to 2.5	Pass		
	4.25					13.733	0.0078	-2.5 to 2.5	Pass		
	-30				3.84	15.550	0.0089	-2.5 to 2.5	Pass		
					-20	3.84	19.283	0.0110	-2.5 to 2.5	Pass	
					-10	3.84	22.888	0.0131	-2.5 to 2.5	Pass	
	0				3.84	27.323	0.0156	-2.5 to 2.5	Pass		
					10	3.84	30.756	0.0176	-2.5 to 2.5	Pass	
					30	3.84	34.676	0.0198	-2.5 to 2.5	Pass	
	40				3.84	37.193	0.0213	-2.5 to 2.5	Pass		
50					3.84	41.127	0.0235	-2.5 to 2.5	Pass		
64QAM					1715	50	0	20	3.6	-36.341	-0.0212
	3.84	-51.096	-0.0298	-2.5 to 2.5					Pass		
	4.25	-59.452	-0.0347	-2.5 to 2.5					Pass		
	-30	3.84	-53.648	-0.0313				-2.5 to 2.5	Pass		
		-20	3.84	-40.870				-0.0238	-2.5 to 2.5	Pass	
		-10	3.84	-24.471				-0.0143	-2.5 to 2.5	Pass	
	0	3.84	-22.597	-0.0132				-2.5 to 2.5	Pass		
		10	3.84	-10.211				-0.0060	-2.5 to 2.5	Pass	
		30	3.84	7.931				0.0046	-2.5 to 2.5	Pass	
	40	3.84	-56.377	-0.0329				-2.5 to 2.5	Pass		
		50	3.84	-13.097				-0.0076	-2.5 to 2.5	Pass	
		1732.5	50	0				20	3.6	12.474	0.0072
	3.84				-2.310	-0.0013	-2.5 to 2.5		Pass		
	4.25				-51.040	-0.0295	-2.5 to 2.5		Pass		
	-30				3.84	-4.104	-0.0024	-2.5 to 2.5	Pass		
					-20	3.84	-62.933	-0.0363	-2.5 to 2.5	Pass	
					-10	3.84	-19.906	-0.0115	-2.5 to 2.5	Pass	
	0				3.84	-70.877	-0.0409	-2.5 to 2.5	Pass		
					10	3.84	-11.356	-0.0066	-2.5 to 2.5	Pass	
					30	3.84	-56.703	-0.0327	-2.5 to 2.5	Pass	
	40				3.84	-100.288	-0.0579	-2.5 to 2.5	Pass		
					50	3.84	-35.494	-0.0205	-2.5 to 2.5	Pass	
					1750	50	0	20	3.6	-39.760	-0.0227
	3.84	-54.683	-0.0312	-2.5 to 2.5					Pass		



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 25 of 281

256QAM	1715	50	0		4.25	-70.079	-0.0400	-2.5 to 2.5	Pass
				-30	3.84	-59.213	-0.0338	-2.5 to 2.5	Pass
				-20	3.84	-34.335	-0.0196	-2.5 to 2.5	Pass
				-10	3.84	-26.743	-0.0153	-2.5 to 2.5	Pass
				0	3.84	-10.344	-0.0059	-2.5 to 2.5	Pass
				10	3.84	-77.947	-0.0445	-2.5 to 2.5	Pass
				30	3.84	-52.372	-0.0299	-2.5 to 2.5	Pass
				40	3.84	-19.860	-0.0113	-2.5 to 2.5	Pass
				50	3.84	-77.374	-0.0442	-2.5 to 2.5	Pass
				20	3.6	4.536	0.0026	-2.5 to 2.5	Pass
256QAM	1732.5	50	0		3.84	-37.059	-0.0216	-2.5 to 2.5	Pass
					4.25	-73.539	-0.0429	-2.5 to 2.5	Pass
				-30	3.84	-1.181	-0.0007	-2.5 to 2.5	Pass
				-20	3.84	-23.040	-0.0134	-2.5 to 2.5	Pass
				-10	3.84	-40.209	-0.0234	-2.5 to 2.5	Pass
				0	3.84	-62.730	-0.0366	-2.5 to 2.5	Pass
				10	3.84	-83.111	-0.0485	-2.5 to 2.5	Pass
				30	3.84	7.725	0.0045	-2.5 to 2.5	Pass
				40	3.84	-10.323	-0.0060	-2.5 to 2.5	Pass
				50	3.84	-27.999	-0.0163	-2.5 to 2.5	Pass
	1750	50	0	20	3.6	-74.983	-0.0433	-2.5 to 2.5	Pass
					3.84	-103.282	-0.0596	-2.5 to 2.5	Pass
					4.25	-14.032	-0.0081	-2.5 to 2.5	Pass
				-30	3.84	-24.038	-0.0139	-2.5 to 2.5	Pass
				-20	3.84	-29.312	-0.0169	-2.5 to 2.5	Pass
				-10	3.84	-36.341	-0.0210	-2.5 to 2.5	Pass
				0	3.84	-43.421	-0.0251	-2.5 to 2.5	Pass
				10	3.84	-47.530	-0.0274	-2.5 to 2.5	Pass
				30	3.84	-52.260	-0.0302	-2.5 to 2.5	Pass
				40	3.84	-56.018	-0.0323	-2.5 to 2.5	Pass
256QAM	1750	50	0	50	3.84	-65.145	-0.0376	-2.5 to 2.5	Pass
				20	3.6	-31.805	-0.0182	-2.5 to 2.5	Pass
					3.84	-67.380	-0.0385	-2.5 to 2.5	Pass
					4.25	-88.237	-0.0504	-2.5 to 2.5	Pass
				-30	3.84	-1.623	-0.0009	-2.5 to 2.5	Pass
				-20	3.84	-14.293	-0.0082	-2.5 to 2.5	Pass
				-10	3.84	-23.939	-0.0137	-2.5 to 2.5	Pass
				0	3.84	-34.922	-0.0200	-2.5 to 2.5	Pass
				10	3.84	-43.853	-0.0251	-2.5 to 2.5	Pass
				30	3.84	-54.330	-0.0310	-2.5 to 2.5	Pass
256QAM	1750	50	0	40	3.84	-61.978	-0.0354	-2.5 to 2.5	Pass
				50	3.84	-72.183	-0.0412	-2.5 to 2.5	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 26 of 281

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.6	62.413	0.0363	-2.5 to 2.5	Pass
					3.84	79.193	0.0461	-2.5 to 2.5	Pass
					4.25	80.051	0.0466	-2.5 to 2.5	Pass
				-30	3.84	70.596	0.0411	-2.5 to 2.5	Pass
				-20	3.84	54.259	0.0316	-2.5 to 2.5	Pass
				-10	3.84	40.698	0.0237	-2.5 to 2.5	Pass
				0	3.84	21.429	0.0125	-2.5 to 2.5	Pass
				10	3.84	7.782	0.0045	-2.5 to 2.5	Pass
				30	3.84	-3.204	-0.0019	-2.5 to 2.5	Pass
				40	3.84	-14.963	-0.0087	-2.5 to 2.5	Pass
				50	3.84	-23.890	-0.0139	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.6	-6.938	-0.0040	-2.5 to 2.5	Pass
					3.84	-13.289	-0.0077	-2.5 to 2.5	Pass
					4.25	0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.84	8.512	0.0049	-2.5 to 2.5	Pass
				-20	3.84	14.448	0.0083	-2.5 to 2.5	Pass
				-10	3.84	16.437	0.0095	-2.5 to 2.5	Pass
				0	3.84	17.681	0.0102	-2.5 to 2.5	Pass
				10	3.84	17.481	0.0101	-2.5 to 2.5	Pass
				30	3.84	17.209	0.0099	-2.5 to 2.5	Pass
				40	3.84	15.979	0.0092	-2.5 to 2.5	Pass
				50	3.84	14.062	0.0081	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.6	-2.046	-0.0012	-2.5 to 2.5	Pass
					3.84	-6.566	-0.0038	-2.5 to 2.5	Pass
					4.25	9.942	0.0057	-2.5 to 2.5	Pass
				-30	3.84	26.979	0.0154	-2.5 to 2.5	Pass
				-20	3.84	39.010	0.0223	-2.5 to 2.5	Pass
				-10	3.84	48.838	0.0279	-2.5 to 2.5	Pass
				0	3.84	53.616	0.0307	-2.5 to 2.5	Pass
				10	3.84	60.511	0.0346	-2.5 to 2.5	Pass
				30	3.84	66.919	0.0383	-2.5 to 2.5	Pass
				40	3.84	71.354	0.0408	-2.5 to 2.5	Pass
				50	3.84	74.329	0.0425	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.6	-32.759	-0.0191	-2.5 to 2.5	Pass
					3.84	-40.641	-0.0237	-2.5 to 2.5	Pass
					4.25	-44.847	-0.0261	-2.5 to 2.5	Pass
				-30	3.84	-50.755	-0.0296	-2.5 to 2.5	Pass
				-20	3.84	-55.175	-0.0321	-2.5 to 2.5	Pass
				-10	3.84	-59.352	-0.0346	-2.5 to 2.5	Pass
				0	3.84	-67.778	-0.0395	-2.5 to 2.5	Pass
				10	3.84	-72.298	-0.0421	-2.5 to 2.5	Pass



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Rev.: 01

Page: 27 of 281

64QAM	1732.5	75	0	30	3.84	-75.703	-0.0441	-2.5 to 2.5	Pass
				40	3.84	-79.980	-0.0466	-2.5 to 2.5	Pass
				50	3.84	-81.825	-0.0476	-2.5 to 2.5	Pass
				20	3.6	11.187	0.0065	-2.5 to 2.5	Pass
					3.84	2.961	0.0017	-2.5 to 2.5	Pass
					4.25	0.300	0.0002	-2.5 to 2.5	Pass
				-30	3.84	-2.203	-0.0013	-2.5 to 2.5	Pass
				-20	3.84	-3.591	-0.0021	-2.5 to 2.5	Pass
				-10	3.84	-4.191	-0.0024	-2.5 to 2.5	Pass
				0	3.84	-4.034	-0.0023	-2.5 to 2.5	Pass
				10	3.84	-4.692	-0.0027	-2.5 to 2.5	Pass
				30	3.84	-4.778	-0.0028	-2.5 to 2.5	Pass
				40	3.84	-5.121	-0.0030	-2.5 to 2.5	Pass
				50	3.84	-5.622	-0.0032	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.6	78.950	0.0452	-2.5 to 2.5	Pass
					3.84	77.176	0.0442	-2.5 to 2.5	Pass
					4.25	77.705	0.0445	-2.5 to 2.5	Pass
				-30	3.84	79.322	0.0454	-2.5 to 2.5	Pass
				-20	3.84	80.724	0.0462	-2.5 to 2.5	Pass
				-10	3.84	83.756	0.0479	-2.5 to 2.5	Pass
				0	3.84	79.393	0.0454	-2.5 to 2.5	Pass
				10	3.84	79.322	0.0454	-2.5 to 2.5	Pass
				30	3.84	81.897	0.0469	-2.5 to 2.5	Pass
				40	3.84	84.858	0.0486	-2.5 to 2.5	Pass
				50	3.84	87.719	0.0502	-2.5 to 2.5	Pass
	1717.5	75	0	20	3.6	-54.090	-0.0315	-2.5 to 2.5	Pass
					3.84	-85.226	-0.0496	-2.5 to 2.5	Pass
					4.25	-8.570	-0.0050	-2.5 to 2.5	Pass
				-30	3.84	-21.899	-0.0128	-2.5 to 2.5	Pass
				-20	3.84	-13.505	-0.0079	-2.5 to 2.5	Pass
				-10	3.84	-3.186	-0.0019	-2.5 to 2.5	Pass
				0	3.84	-83.779	-0.0488	-2.5 to 2.5	Pass
				10	3.84	-59.647	-0.0347	-2.5 to 2.5	Pass
				30	3.84	-37.488	-0.0218	-2.5 to 2.5	Pass
				40	3.84	-9.989	-0.0058	-2.5 to 2.5	Pass
				50	3.84	-77.484	-0.0451	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.6	-1.474	-0.0009	-2.5 to 2.5	Pass
					3.84	9.638	0.0056	-2.5 to 2.5	Pass
					4.25	-22.901	-0.0132	-2.5 to 2.5	Pass
				-30	3.84	-66.508	-0.0384	-2.5 to 2.5	Pass
				-20	3.84	-74.196	-0.0428	-2.5 to 2.5	Pass
				-10	3.84	-61.365	-0.0354	-2.5 to 2.5	Pass
				0	3.84	-106.687	-0.0616	-2.5 to 2.5	Pass
				10	3.84	-43.509	-0.0251	-2.5 to 2.5	Pass
				30	3.84	-84.667	-0.0489	-2.5 to 2.5	Pass
				40	3.84	-22.228	-0.0128	-2.5 to 2.5	Pass
				50	3.84	-60.054	-0.0347	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.6	-38.136	-0.0218	-2.5 to 2.5	Pass
					3.84	-46.342	-0.0265	-2.5 to 2.5	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 28 of 281

256QAM	1717.5	75	0		4.25	-46.634	-0.0267	-2.5 to 2.5	Pass
				-30	3.84	-47.829	-0.0274	-2.5 to 2.5	Pass
				-20	3.84	-46.920	-0.0268	-2.5 to 2.5	Pass
				-10	3.84	-41.789	-0.0239	-2.5 to 2.5	Pass
				0	3.84	-20.233	-0.0116	-2.5 to 2.5	Pass
				10	3.84	-96.121	-0.0550	-2.5 to 2.5	Pass
				30	3.84	-48.990	-0.0280	-2.5 to 2.5	Pass
				40	3.84	-10.446	-0.0060	-2.5 to 2.5	Pass
				50	3.84	-66.531	-0.0381	-2.5 to 2.5	Pass
				20	3.6	-36.745	-0.0214	-2.5 to 2.5	Pass
256QAM	1732.5	75	0		3.84	-80.541	-0.0469	-2.5 to 2.5	Pass
					4.25	-8.703	-0.0051	-2.5 to 2.5	Pass
				-30	3.84	-37.828	-0.0220	-2.5 to 2.5	Pass
				-20	3.84	-60.680	-0.0353	-2.5 to 2.5	Pass
				-10	3.84	-80.509	-0.0469	-2.5 to 2.5	Pass
				0	3.84	-15.855	-0.0092	-2.5 to 2.5	Pass
				10	3.84	-9.650	-0.0056	-2.5 to 2.5	Pass
				30	3.84	-24.902	-0.0145	-2.5 to 2.5	Pass
				40	3.84	-38.068	-0.0222	-2.5 to 2.5	Pass
				50	3.84	-48.323	-0.0281	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.6	-97.050	-0.0560	-2.5 to 2.5	Pass
					3.84	-16.741	-0.0097	-2.5 to 2.5	Pass
					4.25	-22.917	-0.0132	-2.5 to 2.5	Pass
				-30	3.84	-26.984	-0.0156	-2.5 to 2.5	Pass
				-20	3.84	-29.345	-0.0169	-2.5 to 2.5	Pass
				-10	3.84	-29.158	-0.0168	-2.5 to 2.5	Pass
				0	3.84	-28.145	-0.0162	-2.5 to 2.5	Pass
				10	3.84	-27.033	-0.0156	-2.5 to 2.5	Pass
				30	3.84	-26.740	-0.0154	-2.5 to 2.5	Pass
				40	3.84	-28.102	-0.0162	-2.5 to 2.5	Pass
				50	3.84	-28.788	-0.0166	-2.5 to 2.5	Pass
				20	3.6	-20.417	-0.0117	-2.5 to 2.5	Pass
					3.84	-54.226	-0.0310	-2.5 to 2.5	Pass
					4.25	-73.298	-0.0419	-2.5 to 2.5	Pass
				-30	3.84	-90.137	-0.0516	-2.5 to 2.5	Pass
				-20	3.84	-5.063	-0.0029	-2.5 to 2.5	Pass
				-10	3.84	-16.606	-0.0095	-2.5 to 2.5	Pass
				0	3.84	-27.989	-0.0160	-2.5 to 2.5	Pass
				10	3.84	-39.800	-0.0228	-2.5 to 2.5	Pass
				30	3.84	-47.709	-0.0273	-2.5 to 2.5	Pass
				40	3.84	-55.518	-0.0318	-2.5 to 2.5	Pass
				50	3.84	-62.111	-0.0355	-2.5 to 2.5	Pass



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2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.6	47.150	0.0274	-2.5 to 2.5	Pass
					3.84	65.260	0.0379	-2.5 to 2.5	Pass
					4.25	58.064	0.0338	-2.5 to 2.5	Pass
				-30	3.84	41.742	0.0243	-2.5 to 2.5	Pass
				-20	3.84	23.632	0.0137	-2.5 to 2.5	Pass
				-10	3.84	7.195	0.0042	-2.5 to 2.5	Pass
				0	3.84	-7.582	-0.0044	-2.5 to 2.5	Pass
				10	3.84	-19.426	-0.0113	-2.5 to 2.5	Pass
				30	3.84	-30.327	-0.0176	-2.5 to 2.5	Pass
				40	3.84	-41.814	-0.0243	-2.5 to 2.5	Pass
				50	3.84	-49.896	-0.0290	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.6	-6.351	-0.0037	-2.5 to 2.5	Pass
					3.84	-16.565	-0.0096	-2.5 to 2.5	Pass
					4.25	-5.894	-0.0034	-2.5 to 2.5	Pass
				-30	3.84	-1.760	-0.0010	-2.5 to 2.5	Pass
				-20	3.84	-5.307	-0.0031	-2.5 to 2.5	Pass
				-10	3.84	-7.710	-0.0045	-2.5 to 2.5	Pass
				0	3.84	-8.554	-0.0049	-2.5 to 2.5	Pass
				10	3.84	-11.172	-0.0064	-2.5 to 2.5	Pass
				30	3.84	-12.002	-0.0069	-2.5 to 2.5	Pass
				40	3.84	-12.431	-0.0072	-2.5 to 2.5	Pass
				50	3.84	-14.277	-0.0082	-2.5 to 2.5	Pass
	1745	100	0	20	3.6	-7.653	-0.0044	-2.5 to 2.5	Pass
					3.84	-2.360	-0.0014	-2.5 to 2.5	Pass
					4.25	21.801	0.0125	-2.5 to 2.5	Pass
				-30	3.84	35.720	0.0205	-2.5 to 2.5	Pass
				-20	3.84	45.462	0.0261	-2.5 to 2.5	Pass
				-10	3.84	54.359	0.0312	-2.5 to 2.5	Pass
				0	3.84	61.312	0.0351	-2.5 to 2.5	Pass
				10	3.84	17.467	0.0100	-2.5 to 2.5	Pass
				30	3.84	-33.073	-0.0190	-2.5 to 2.5	Pass
				40	3.84	-29.454	-0.0169	-2.5 to 2.5	Pass
				50	3.84	-24.447	-0.0140	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.6	-56.920	-0.0331	-2.5 to 2.5	Pass
					3.84	-63.686	-0.0370	-2.5 to 2.5	Pass
					4.25	-70.581	-0.0410	-2.5 to 2.5	Pass
				-30	3.84	-73.528	-0.0427	-2.5 to 2.5	Pass
				-20	3.84	-77.462	-0.0450	-2.5 to 2.5	Pass
				-10	3.84	-82.026	-0.0477	-2.5 to 2.5	Pass
				0	3.84	-1.230	-0.0007	-2.5 to 2.5	Pass
				10	3.84	17.338	0.0101	-2.5 to 2.5	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 30 of 281

64QAM	1732.5	100	0	30	3.84	16.422	0.0095	-2.5 to 2.5	Pass
				40	3.84	15.049	0.0087	-2.5 to 2.5	Pass
				50	3.84	11.644	0.0068	-2.5 to 2.5	Pass
				20	3.6	-15.106	-0.0087	-2.5 to 2.5	Pass
					3.84	-15.950	-0.0092	-2.5 to 2.5	Pass
					4.25	-14.706	-0.0085	-2.5 to 2.5	Pass
				-30	3.84	-13.618	-0.0079	-2.5 to 2.5	Pass
				-20	3.84	-12.159	-0.0070	-2.5 to 2.5	Pass
				-10	3.84	-11.559	-0.0067	-2.5 to 2.5	Pass
				0	3.84	-18.268	-0.0105	-2.5 to 2.5	Pass
				10	3.84	-19.970	-0.0115	-2.5 to 2.5	Pass
				30	3.84	-17.810	-0.0103	-2.5 to 2.5	Pass
	1745	100	0	40	3.84	-18.654	-0.0108	-2.5 to 2.5	Pass
				50	3.84	-16.794	-0.0097	-2.5 to 2.5	Pass
				20	3.6	-21.086	-0.0121	-2.5 to 2.5	Pass
					3.84	-42.143	-0.0242	-2.5 to 2.5	Pass
					4.25	-68.278	-0.0391	-2.5 to 2.5	Pass
				-30	3.84	-62.842	-0.0360	-2.5 to 2.5	Pass
				-20	3.84	-56.291	-0.0323	-2.5 to 2.5	Pass
				-10	3.84	-50.125	-0.0287	-2.5 to 2.5	Pass
				0	3.84	-46.034	-0.0264	-2.5 to 2.5	Pass
				10	3.84	-41.513	-0.0238	-2.5 to 2.5	Pass
				30	3.84	-39.139	-0.0224	-2.5 to 2.5	Pass
				40	3.84	-35.906	-0.0206	-2.5 to 2.5	Pass
	1720	100	0	50	3.84	-33.946	-0.0195	-2.5 to 2.5	Pass
				20	3.6	-26.921	-0.0157	-2.5 to 2.5	Pass
					3.84	-46.733	-0.0272	-2.5 to 2.5	Pass
					4.25	-42.982	-0.0250	-2.5 to 2.5	Pass
				-30	3.84	-7.106	-0.0041	-2.5 to 2.5	Pass
				-20	3.84	-52.416	-0.0305	-2.5 to 2.5	Pass
				-10	3.84	-91.819	-0.0534	-2.5 to 2.5	Pass
				0	3.84	-14.862	-0.0086	-2.5 to 2.5	Pass
				10	3.84	-27.966	-0.0163	-2.5 to 2.5	Pass
				30	3.84	-29.241	-0.0170	-2.5 to 2.5	Pass
				40	3.84	-28.048	-0.0163	-2.5 to 2.5	Pass
				50	3.84	-14.147	-0.0082	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.6	-0.952	-0.0005	-2.5 to 2.5	Pass
					3.84	-47.346	-0.0273	-2.5 to 2.5	Pass
					4.25	-19.815	-0.0114	-2.5 to 2.5	Pass
				-30	3.84	-81.203	-0.0469	-2.5 to 2.5	Pass
				-20	3.84	-36.205	-0.0209	-2.5 to 2.5	Pass
				-10	3.84	-74.527	-0.0430	-2.5 to 2.5	Pass
				0	3.84	-41.053	-0.0237	-2.5 to 2.5	Pass
				10	3.84	-86.650	-0.0500	-2.5 to 2.5	Pass
				30	3.84	-27.052	-0.0156	-2.5 to 2.5	Pass
				40	3.84	-69.604	-0.0402	-2.5 to 2.5	Pass
				50	3.84	-11.560	-0.0067	-2.5 to 2.5	Pass
	1745	100	0	20	3.6	-68.272	-0.0391	-2.5 to 2.5	Pass
					3.84	-21.561	-0.0124	-2.5 to 2.5	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 31 of 281

256QAM	1720	100	0		4.25	-83.419	-0.0478	-2.5 to 2.5	Pass
				-30	3.84	-35.059	-0.0201	-2.5 to 2.5	Pass
				-20	3.84	-71.733	-0.0411	-2.5 to 2.5	Pass
				-10	3.84	-21.324	-0.0122	-2.5 to 2.5	Pass
				0	3.84	-63.126	-0.0362	-2.5 to 2.5	Pass
				10	3.84	-89.645	-0.0514	-2.5 to 2.5	Pass
				30	3.84	0.644	0.0004	-2.5 to 2.5	Pass
				40	3.84	-5.162	-0.0030	-2.5 to 2.5	Pass
				50	3.84	-86.567	-0.0496	-2.5 to 2.5	Pass
				20	3.6	-90.857	-0.0528	-2.5 to 2.5	Pass
	1732.5	100	0		3.84	-55.406	-0.0322	-2.5 to 2.5	Pass
					4.25	3.157	0.0018	-2.5 to 2.5	Pass
				-30	3.84	-40.109	-0.0233	-2.5 to 2.5	Pass
				-20	3.84	-77.127	-0.0448	-2.5 to 2.5	Pass
				-10	3.84	-8.280	-0.0048	-2.5 to 2.5	Pass
				0	3.84	-34.446	-0.0200	-2.5 to 2.5	Pass
				10	3.84	-63.205	-0.0367	-2.5 to 2.5	Pass
				30	3.84	-91.711	-0.0533	-2.5 to 2.5	Pass
				40	3.84	-20.998	-0.0122	-2.5 to 2.5	Pass
				50	3.84	-46.832	-0.0272	-2.5 to 2.5	Pass
256QAM	1745	100	0	20	3.6	-59.249	-0.0342	-2.5 to 2.5	Pass
					3.84	-88.083	-0.0508	-2.5 to 2.5	Pass
					4.25	-3.519	-0.0020	-2.5 to 2.5	Pass
				-30	3.84	-14.078	-0.0081	-2.5 to 2.5	Pass
				-20	3.84	-22.325	-0.0129	-2.5 to 2.5	Pass
				-10	3.84	-25.618	-0.0148	-2.5 to 2.5	Pass
				0	3.84	-30.279	-0.0175	-2.5 to 2.5	Pass
				10	3.84	-35.069	-0.0202	-2.5 to 2.5	Pass
				30	3.84	-39.686	-0.0229	-2.5 to 2.5	Pass
				40	3.84	-45.241	-0.0261	-2.5 to 2.5	Pass
	1745	100	0	50	3.84	-50.161	-0.0290	-2.5 to 2.5	Pass
				20	3.6	-85.293	-0.0489	-2.5 to 2.5	Pass
					3.84	-50.274	-0.0288	-2.5 to 2.5	Pass
					4.25	-35.657	-0.0204	-2.5 to 2.5	Pass
				-30	3.84	-34.330	-0.0197	-2.5 to 2.5	Pass
				-20	3.84	-76.750	-0.0440	-2.5 to 2.5	Pass
				-10	3.84	-5.705	-0.0033	-2.5 to 2.5	Pass
				0	3.84	-34.982	-0.0200	-2.5 to 2.5	Pass
				10	3.84	-62.133	-0.0356	-2.5 to 2.5	Pass
				30	3.84	-19.792	-0.0113	-2.5 to 2.5	Pass
				40	3.84	-18.886	-0.0108	-2.5 to 2.5	Pass
				50	3.84	-47.518	-0.0272	-2.5 to 2.5	Pass



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3. 99% & 26dB Bandwidth

3.1 Band4_OBW

3.1.1 Test Result

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	1.113	/	Pass
		1732.5	6	0	1.111	/	Pass
		1754.3	6	0	1.105	/	Pass
	16QAM	1710.7	6	0	1.104	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.109	/	Pass
	64QAM	1710.7	6	0	1.110	/	Pass
		1732.5	6	0	1.120	/	Pass
		1754.3	6	0	1.116	/	Pass
	256QAM	1710.7	6	0	1.102	/	Pass
		1732.5	6	0	1.105	/	Pass
		1754.3	6	0	1.108	/	Pass
3	QPSK	1711.5	15	0	2.727	/	Pass
		1732.5	15	0	2.735	/	Pass
		1753.5	15	0	2.741	/	Pass
	16QAM	1711.5	15	0	2.730	/	Pass
		1732.5	15	0	2.724	/	Pass
		1753.5	15	0	2.733	/	Pass
	64QAM	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.727	/	Pass
		1753.5	15	0	2.730	/	Pass
	256QAM	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.733	/	Pass
		1753.5	15	0	2.731	/	Pass
5	QPSK	1712.5	25	0	4.568	/	Pass
		1732.5	25	0	4.546	/	Pass
		1752.5	25	0	4.550	/	Pass
	16QAM	1712.5	25	0	4.533	/	Pass
		1732.5	25	0	4.567	/	Pass
		1752.5	25	0	4.544	/	Pass
	64QAM	1712.5	25	0	4.536	/	Pass
		1732.5	25	0	4.548	/	Pass
		1752.5	25	0	4.555	/	Pass
	256QAM	1712.5	25	0	4.536	/	Pass
		1732.5	25	0	4.537	/	Pass
		1752.5	25	0	4.536	/	Pass
10	QPSK	1715	50	0	9.061	/	Pass
		1732.5	50	0	9.041	/	Pass
		1750	50	0	9.062	/	Pass



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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 33 of 281

	16QAM	1715	50	0	9.072	/	Pass
		1732.5	50	0	9.063	/	Pass
		1750	50	0	9.045	/	Pass
	64QAM	1715	50	0	9.049	/	Pass
		1732.5	50	0	9.051	/	Pass
		1750	50	0	9.025	/	Pass
	256QAM	1715	50	0	9.060	/	Pass
		1732.5	50	0	9.046	/	Pass
		1750	50	0	9.061	/	Pass
15	QPSK	1717.5	75	0	13.557	/	Pass
		1732.5	75	0	13.575	/	Pass
		1747.5	75	0	13.573	/	Pass
	16QAM	1717.5	75	0	13.576	/	Pass
		1732.5	75	0	13.580	/	Pass
		1747.5	75	0	13.553	/	Pass
	64QAM	1717.5	75	0	13.566	/	Pass
		1732.5	75	0	13.586	/	Pass
		1747.5	75	0	13.573	/	Pass
	256QAM	1717.5	75	0	13.563	/	Pass
		1732.5	75	0	13.633	/	Pass
		1747.5	75	0	13.568	/	Pass
20	QPSK	1720	100	0	18.076	/	Pass
		1732.5	100	0	18.059	/	Pass
		1745	100	0	18.075	/	Pass
	16QAM	1720	100	0	18.060	/	Pass
		1732.5	100	0	18.113	/	Pass
		1745	100	0	18.066	/	Pass
	64QAM	1720	100	0	18.062	/	Pass
		1732.5	100	0	18.093	/	Pass
		1745	100	0	18.117	/	Pass
	256QAM	1720	100	0	18.066	/	Pass
		1732.5	100	0	18.154	/	Pass
		1745	100	0	18.077	/	Pass



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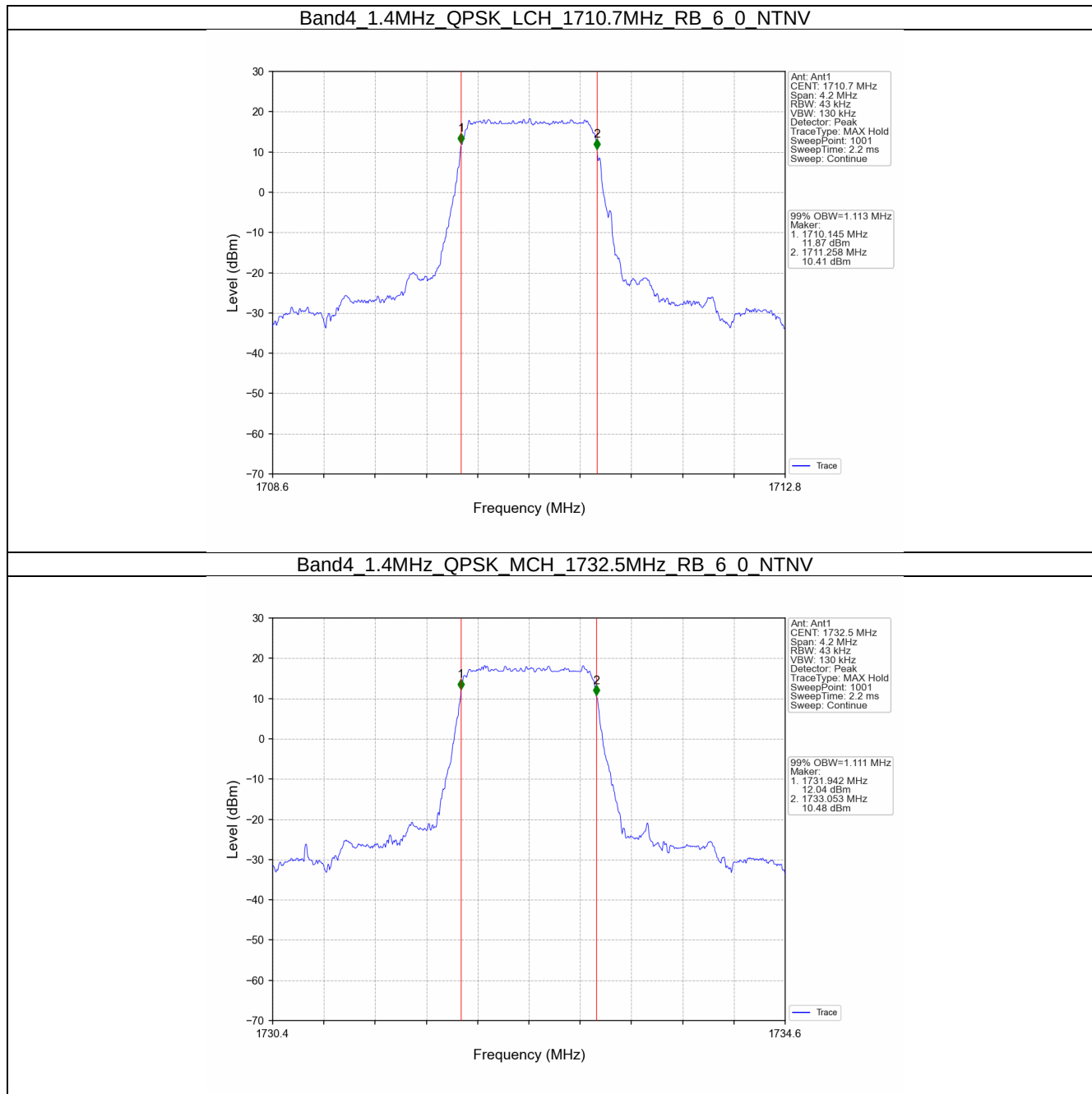
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Report No.: SEWM2311000456RG01

Rev.: 01

Page: 34 of 281

3.1.2 Test Graph



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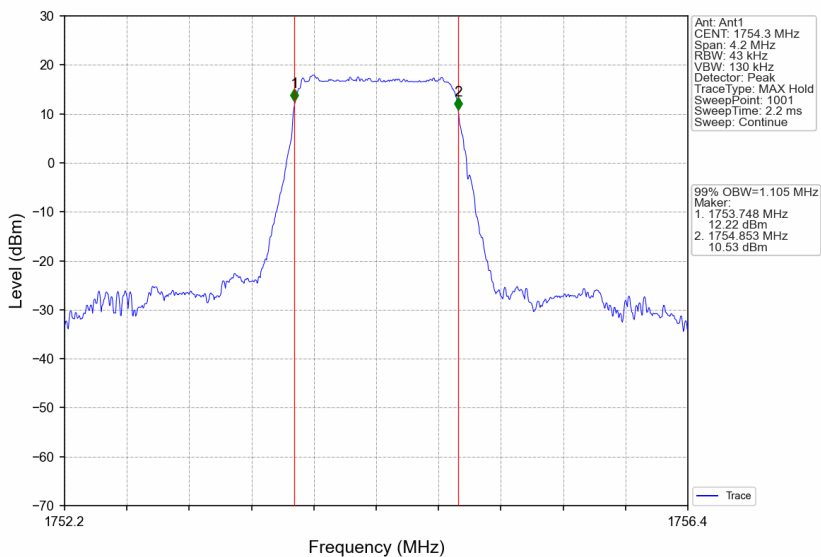
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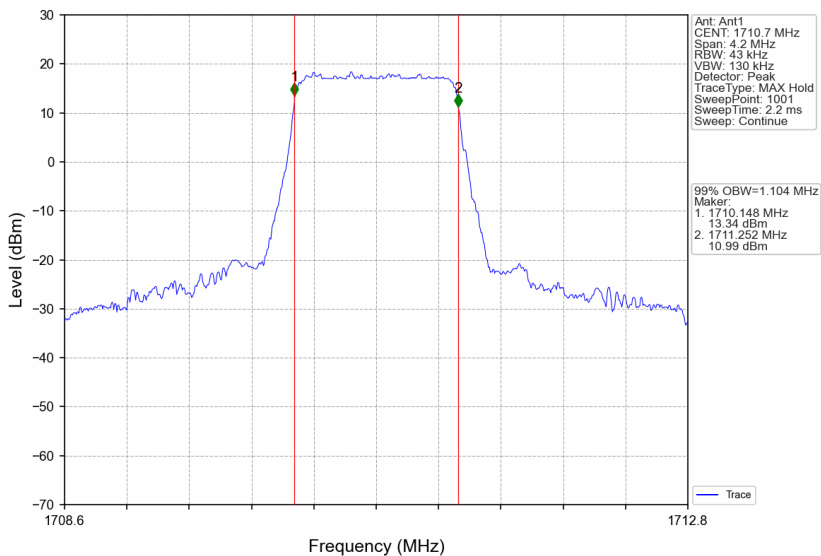
Rev.: 01

Page: 35 of 281

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



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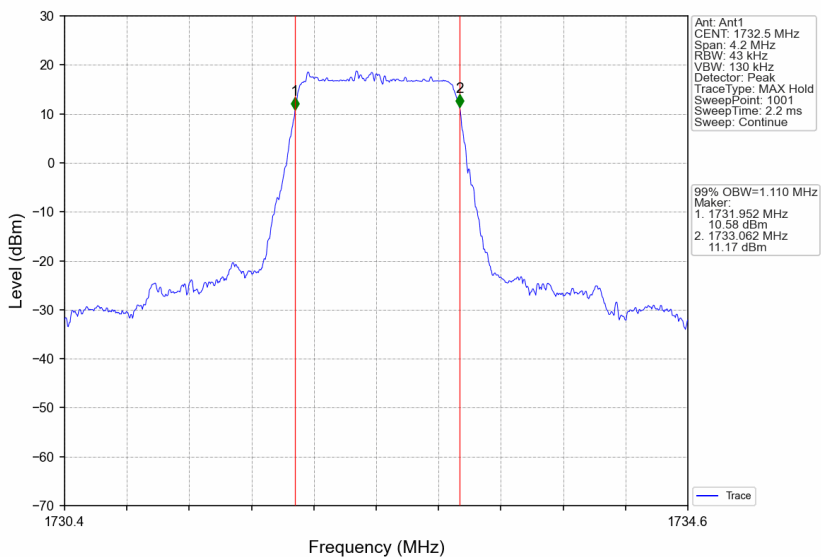
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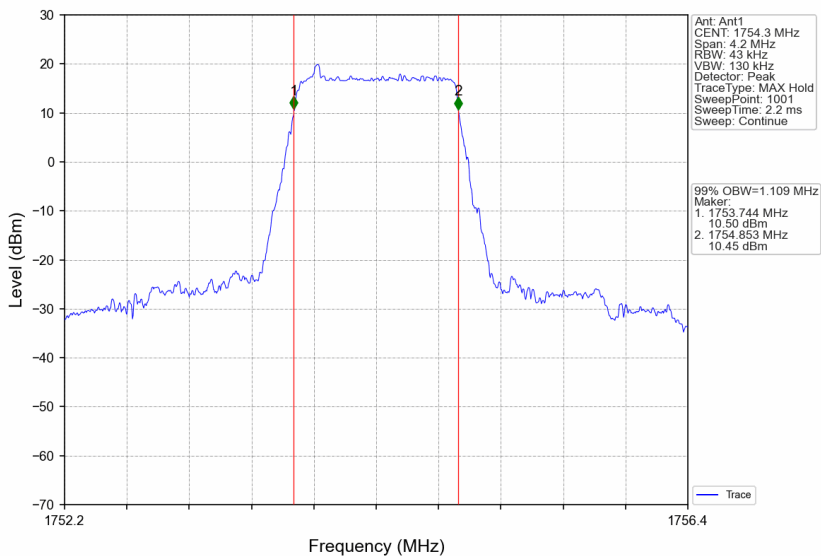
Rev.: 01

Page: 36 of 281

Band4 1.4MHz 16QAM MCH 1732.5MHz_RB_6_0 NTN



Band4 1.4MHz 16QAM HCH 1754.3MHz_RB_6_0 NTN



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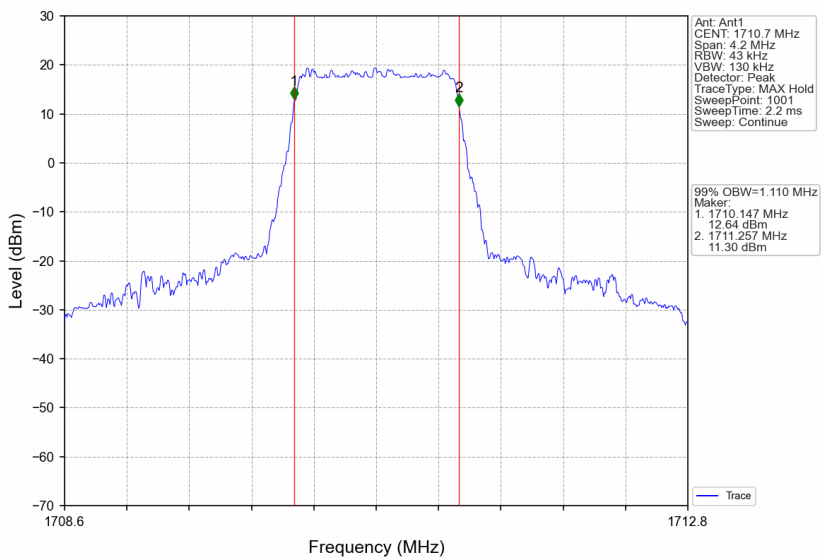
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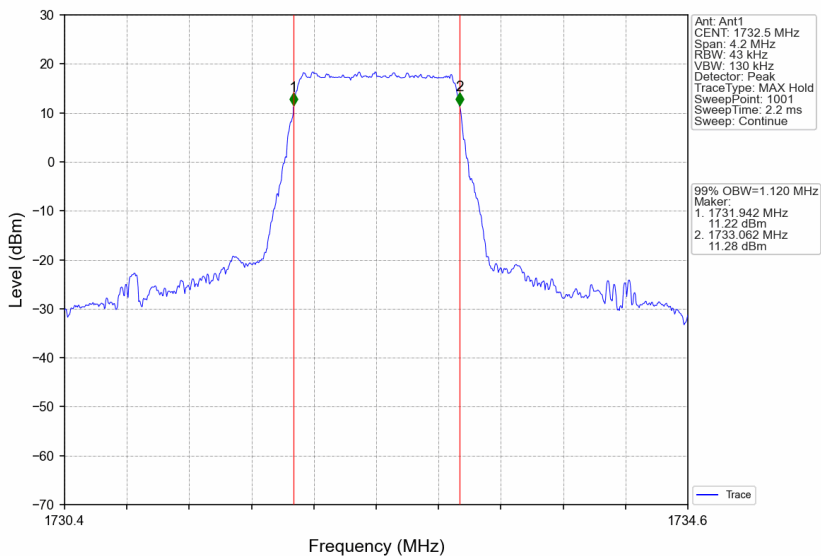
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Page: 37 of 281

Band4 1.4MHz 64QAM LCH 1710.7MHz RB 6 0 NTN



Band4 1.4MHz 64QAM MCH 1732.5MHz RB 6 0 NTN



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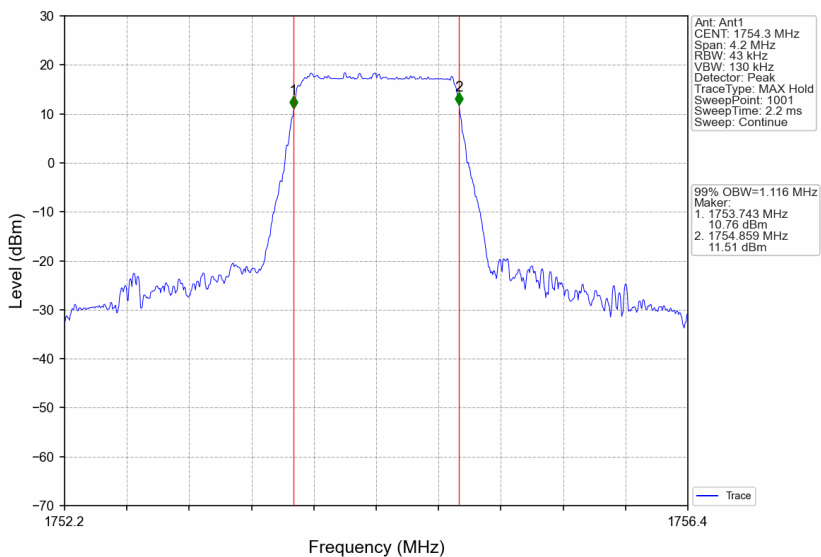
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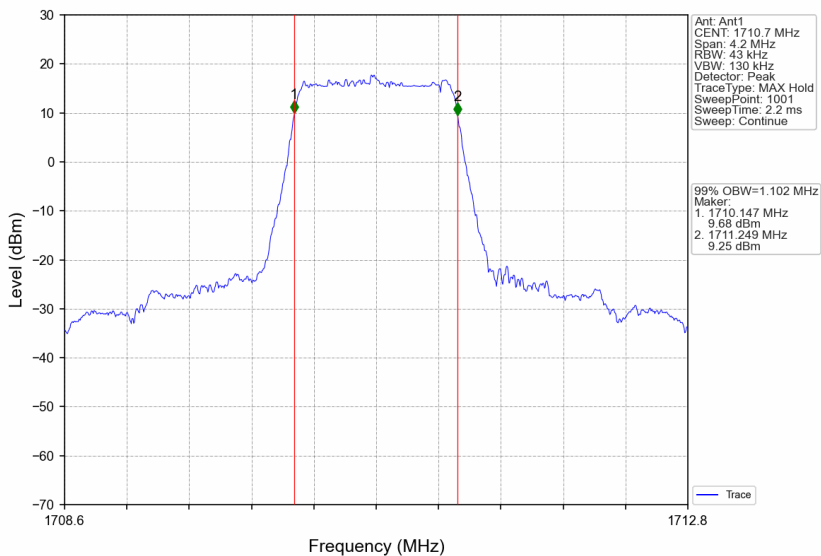
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Page: 38 of 281

Band4 1.4MHz 64QAM HCH 1754.3MHz RB 6 0 NTN



Band4 1.4MHz 256QAM LCH 1710.7MHz RB 6 0 NTN



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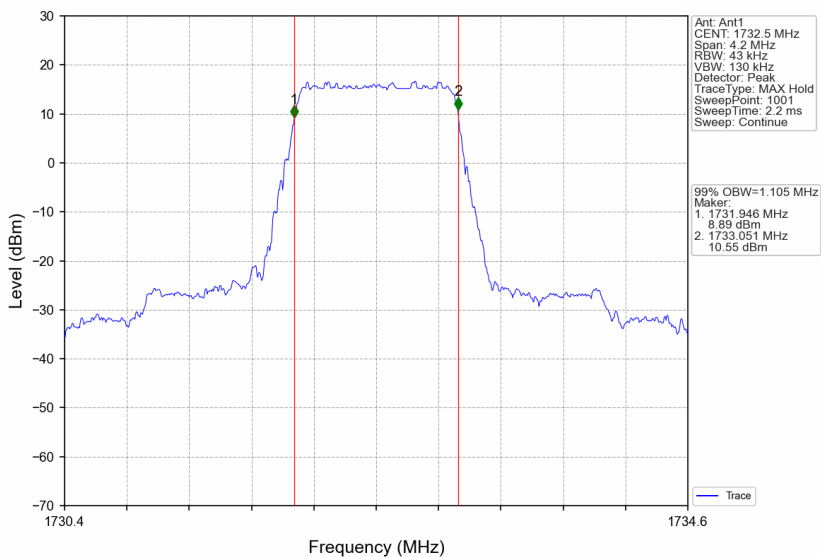
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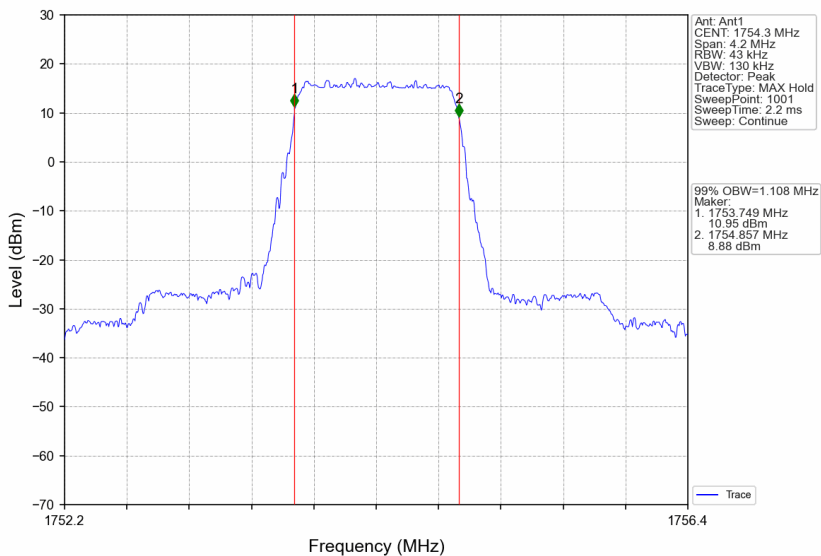
Rev.: 01

Page: 39 of 281

Band4_1.4MHz_256QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_256QAM_HCH_1754.3MHz_RB_6_0_NTNV



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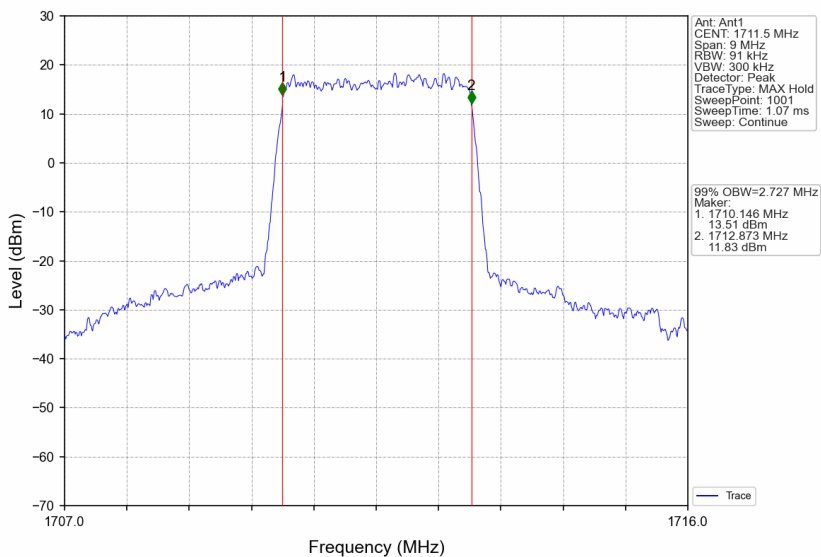
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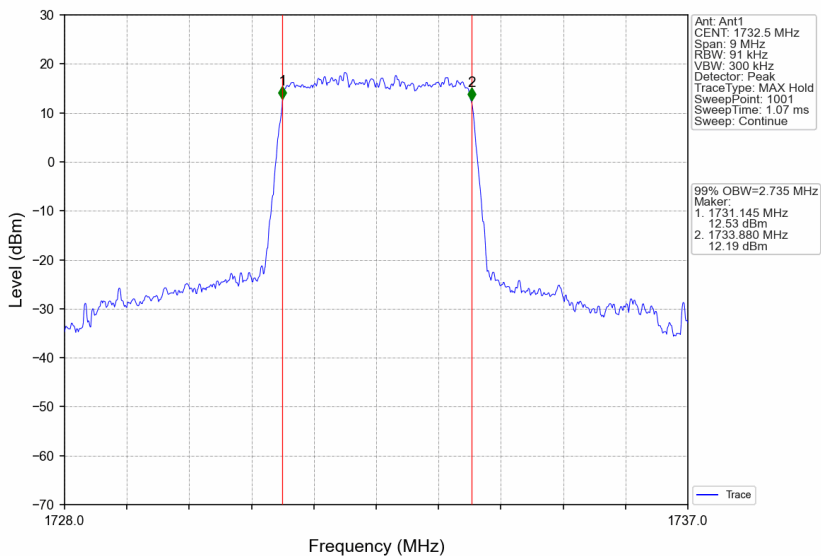
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Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



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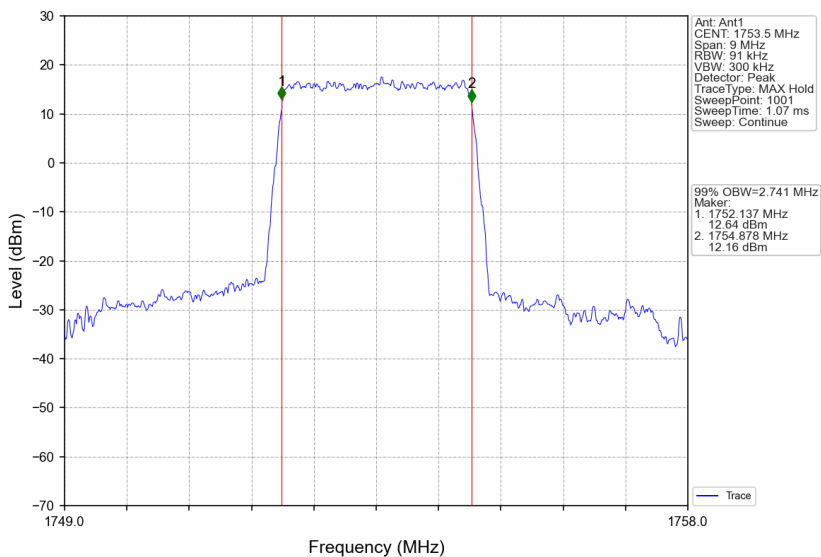
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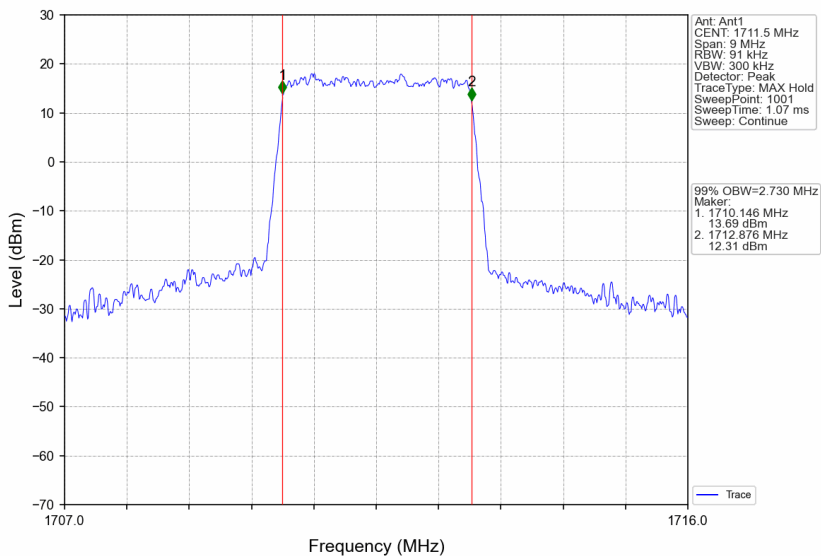
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Page: 41 of 281

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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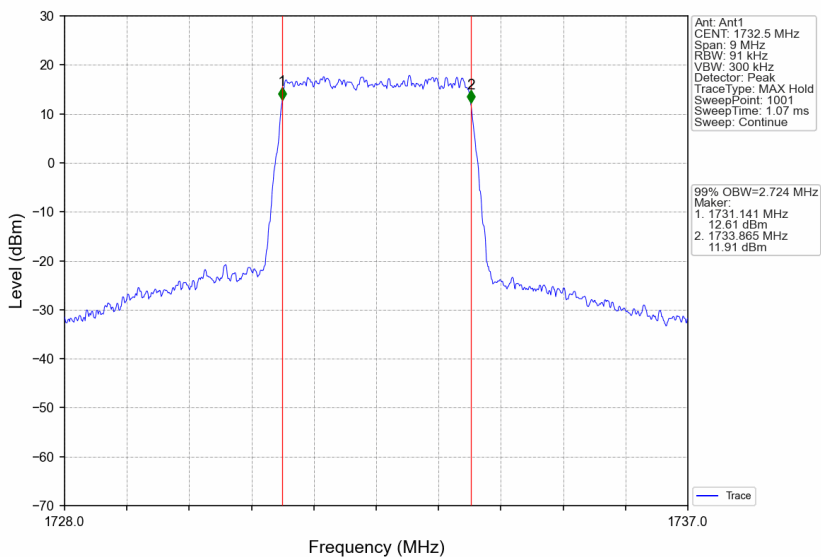
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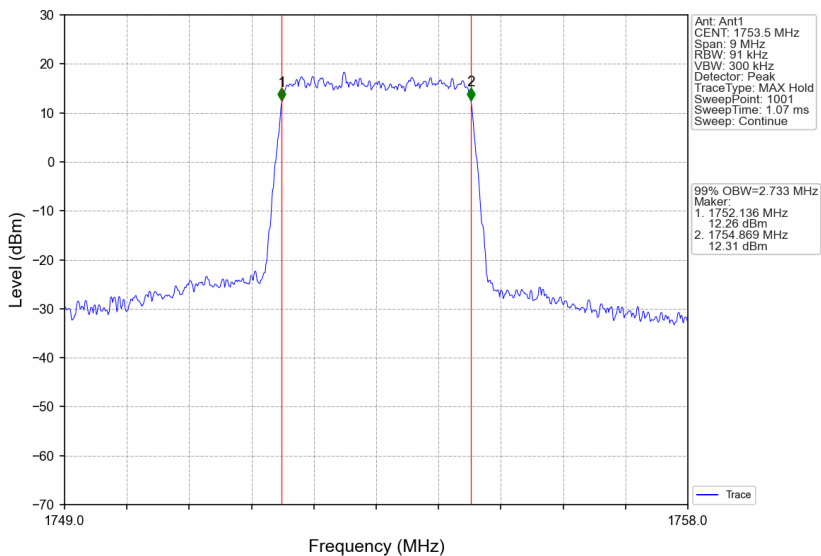
Rev.: 01

Page: 42 of 281

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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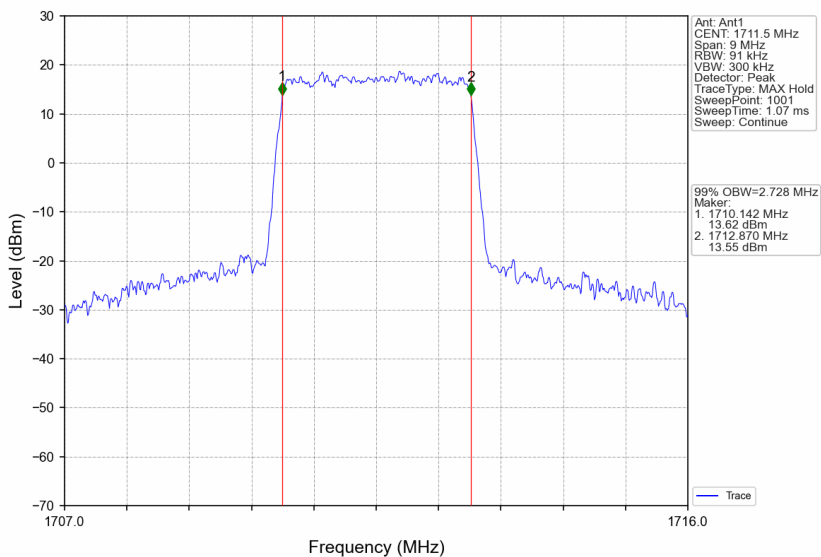
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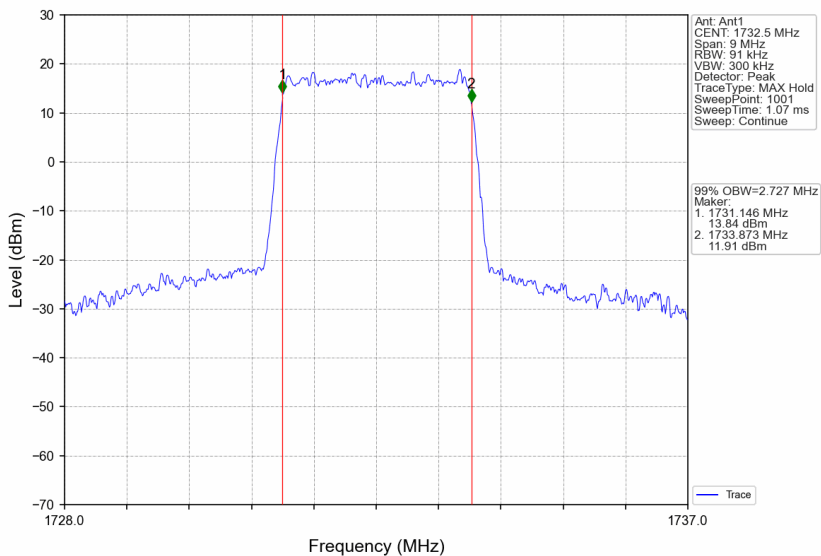
Rev.: 01

Page: 43 of 281

Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



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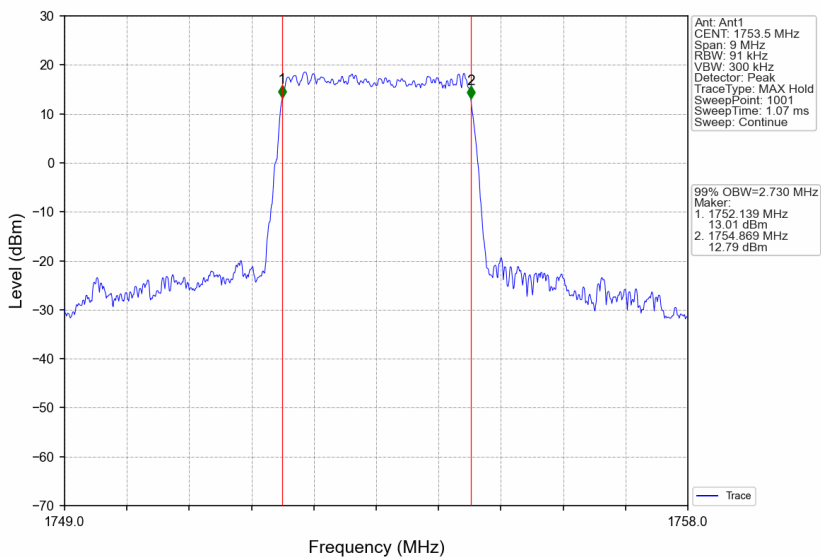
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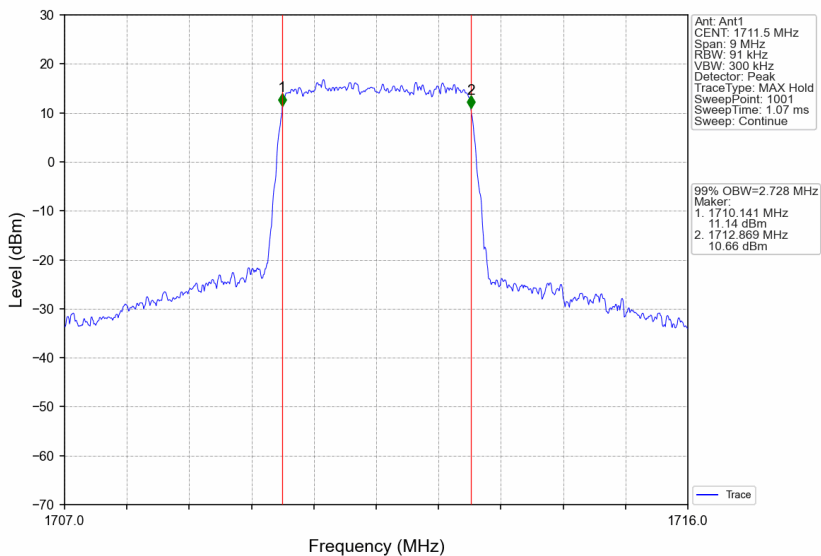
Rev.: 01

Page: 44 of 281

Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_256QAM_LCH_1711.5MHz_RB_15_0_NTNV



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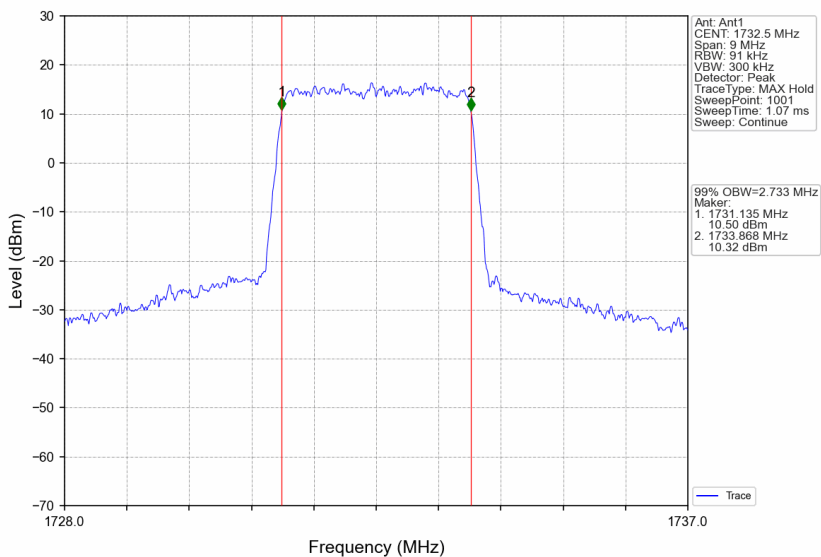
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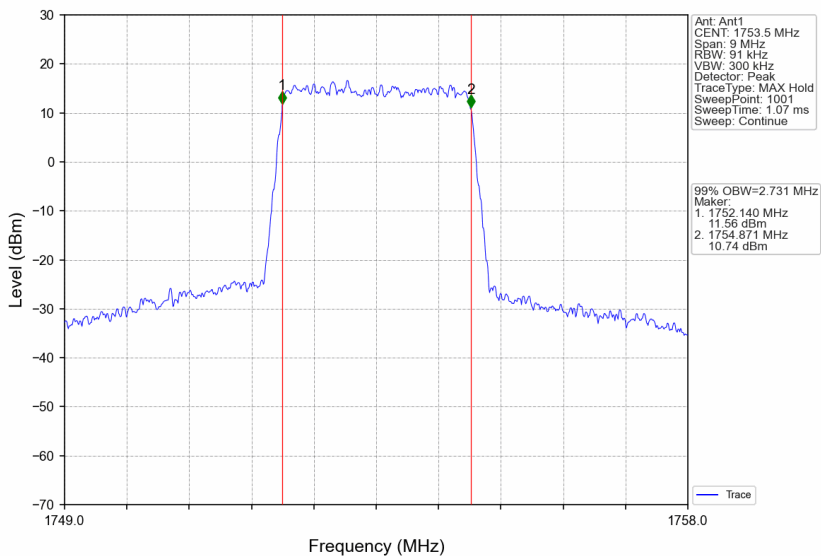
Rev.: 01

Page: 45 of 281

Band4_3MHz_256QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_256QAM_HCH_1753.5MHz_RB_15_0_NTNV



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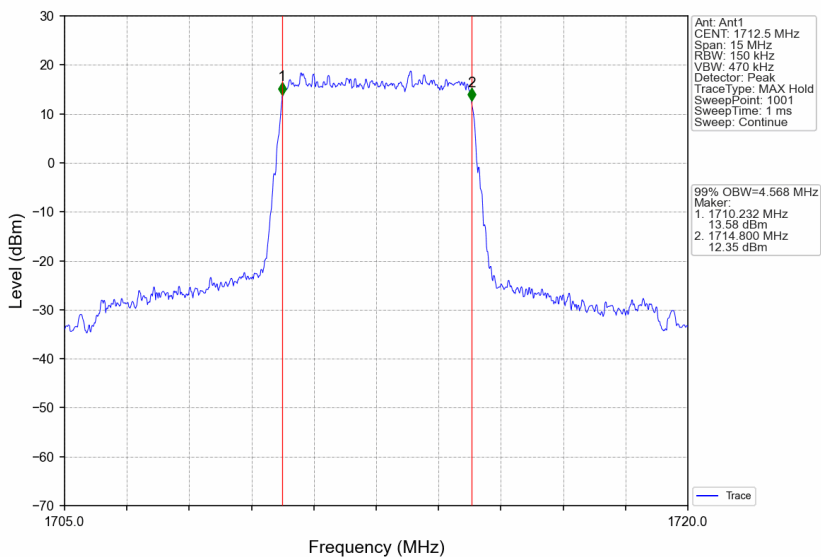
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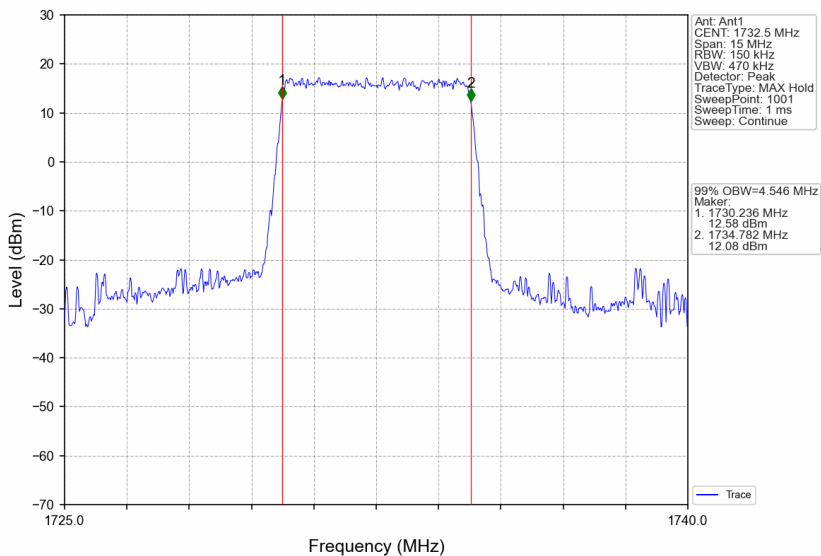
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Page: 46 of 281

Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



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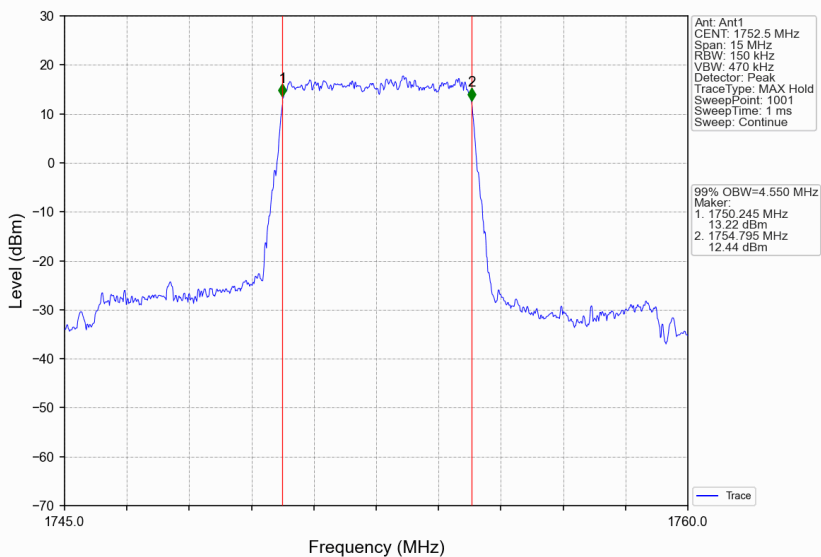
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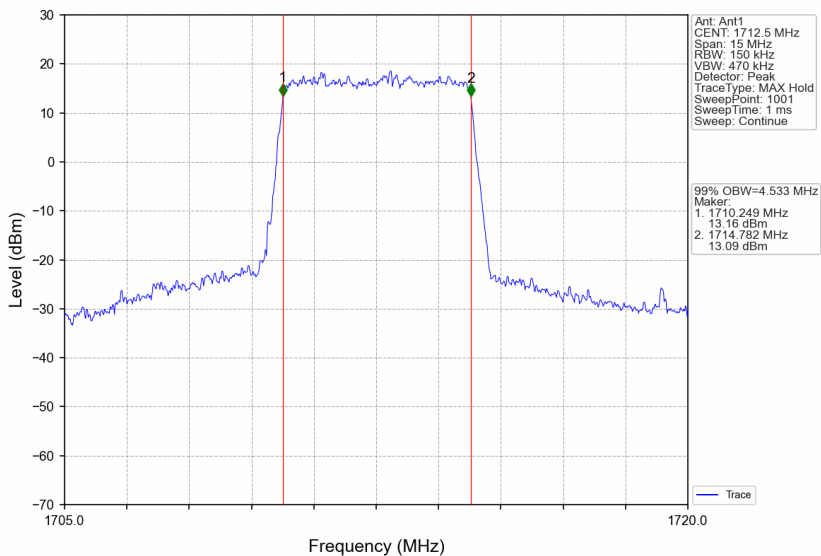
Rev.: 01

Page: 47 of 281

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



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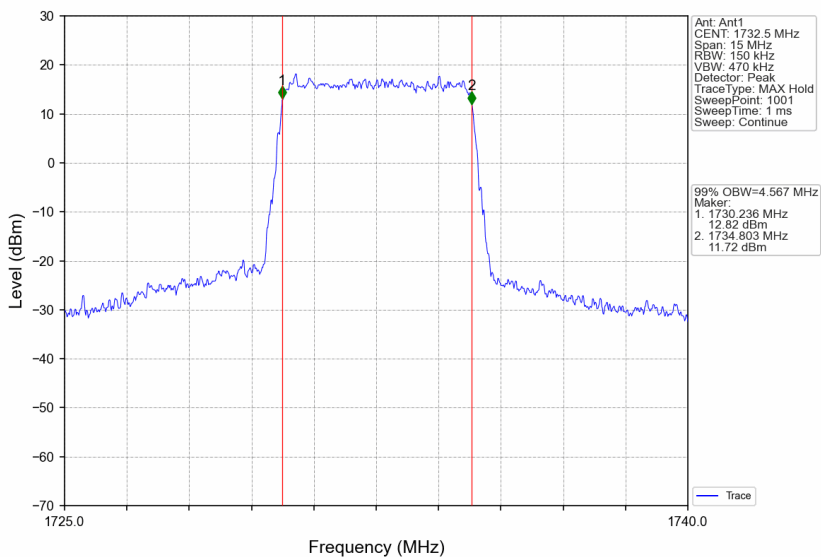
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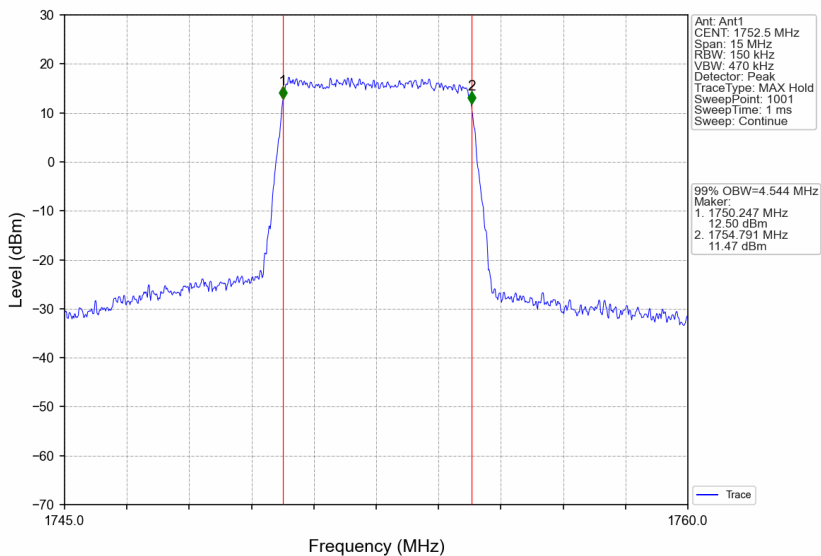
Rev.: 01

Page: 48 of 281

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



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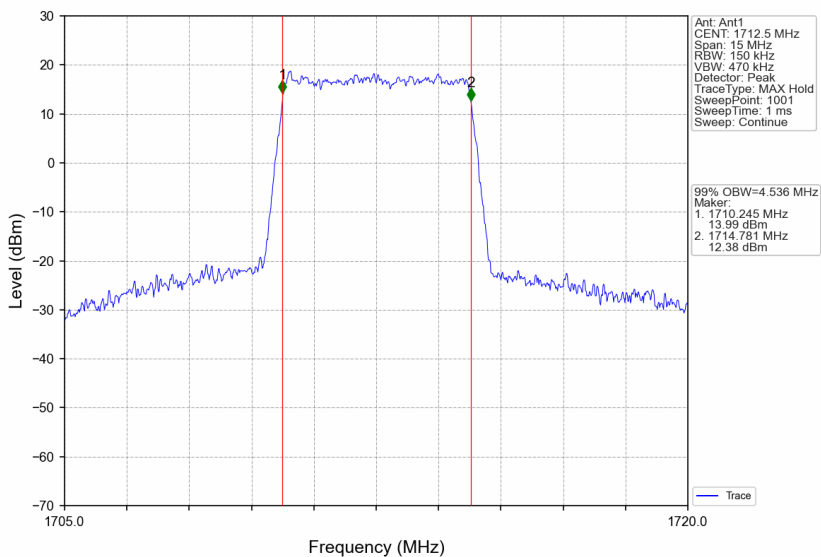
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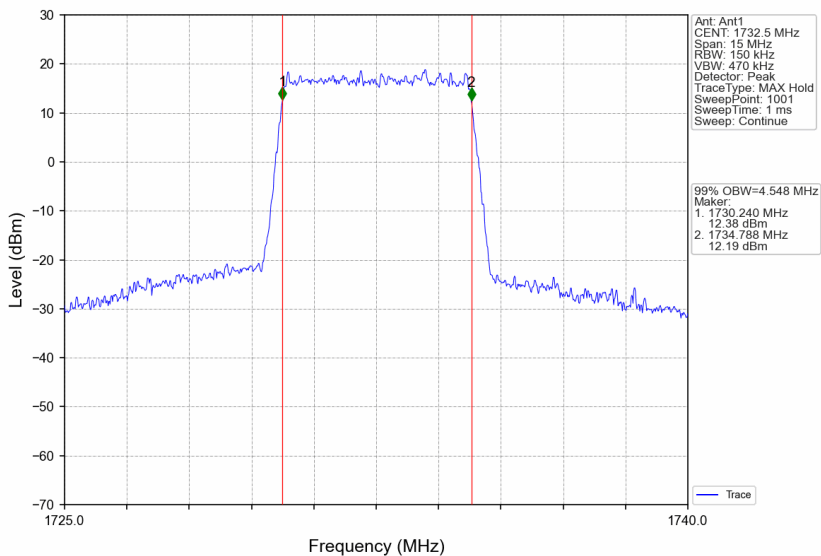
Rev.: 01

Page: 49 of 281

Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



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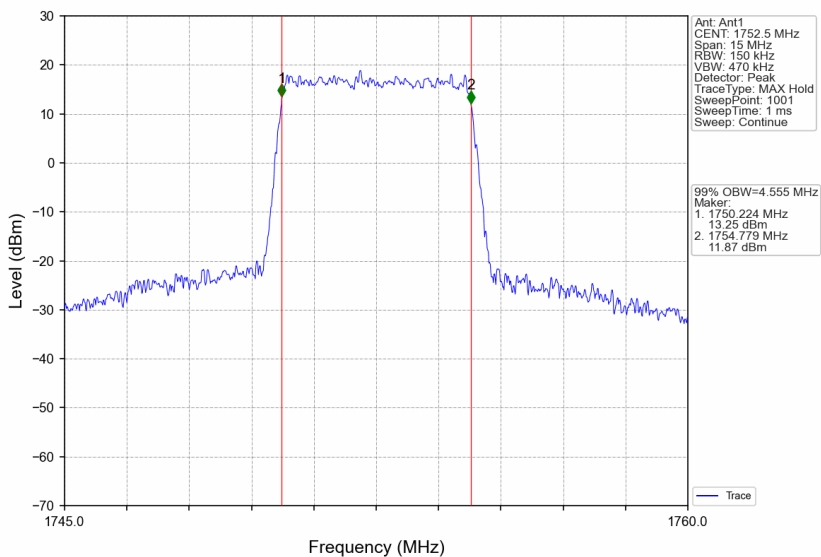
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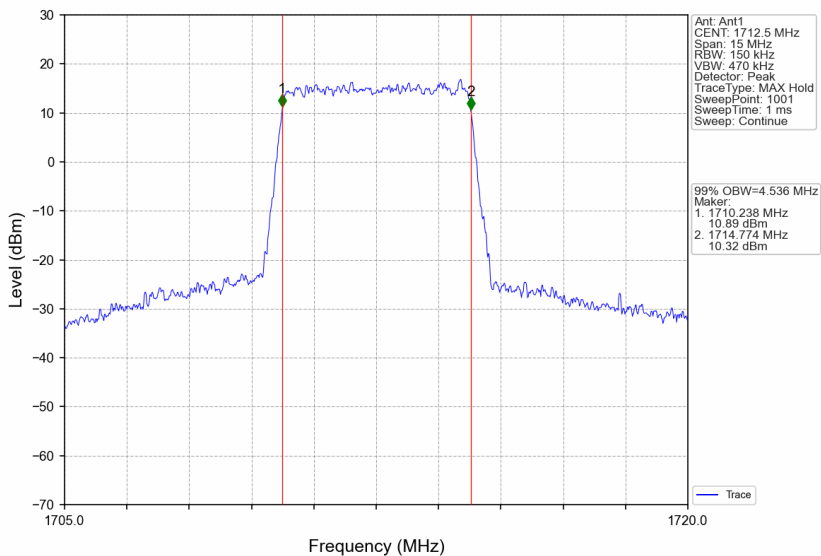
Rev.: 01

Page: 50 of 281

Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_256QAM_LCH_1712.5MHz_RB_25_0_NTNV



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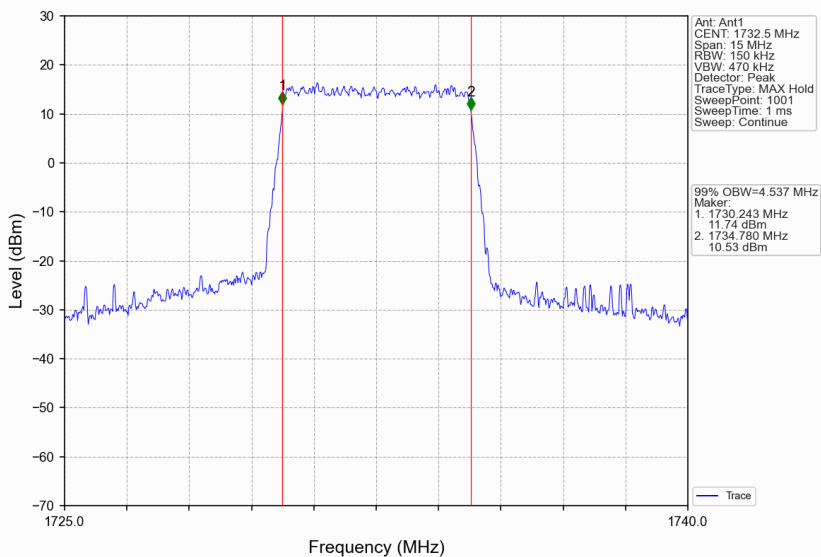
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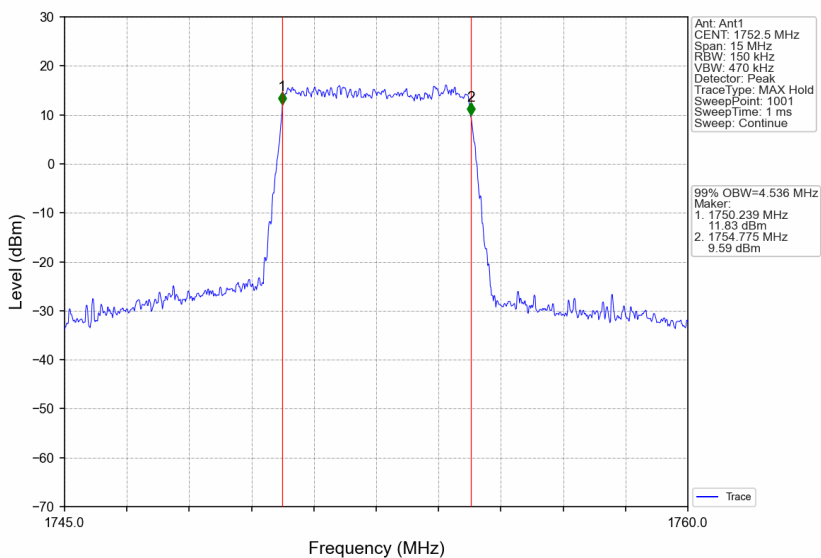
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Page: 51 of 281

Band4_5MHz_256QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_256QAM_HCH_1752.5MHz_RB_25_0_NTNV



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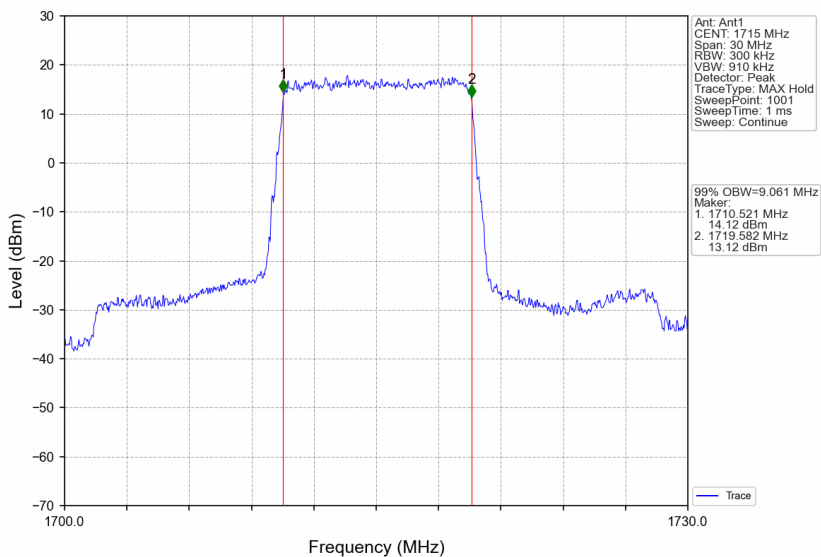
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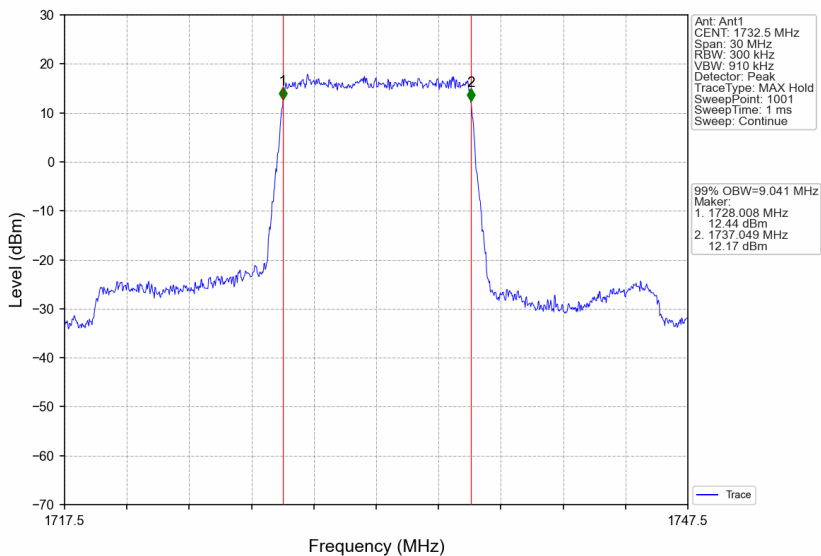
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Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN



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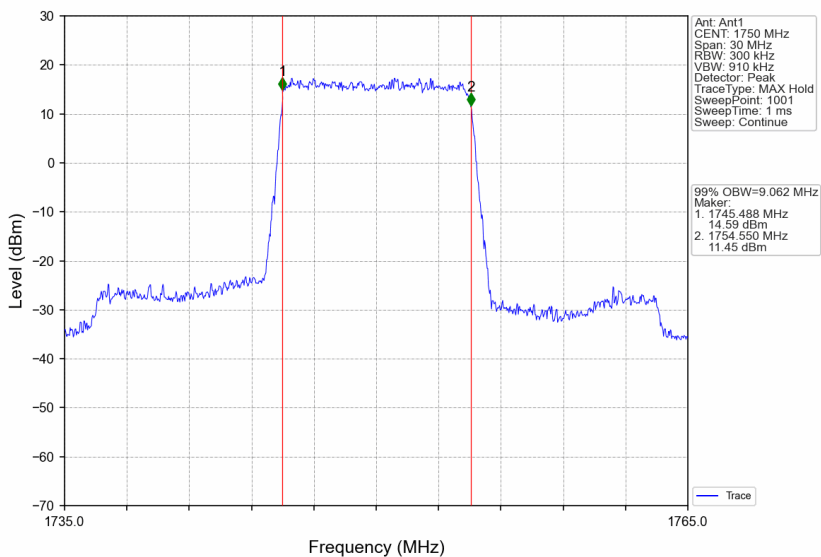
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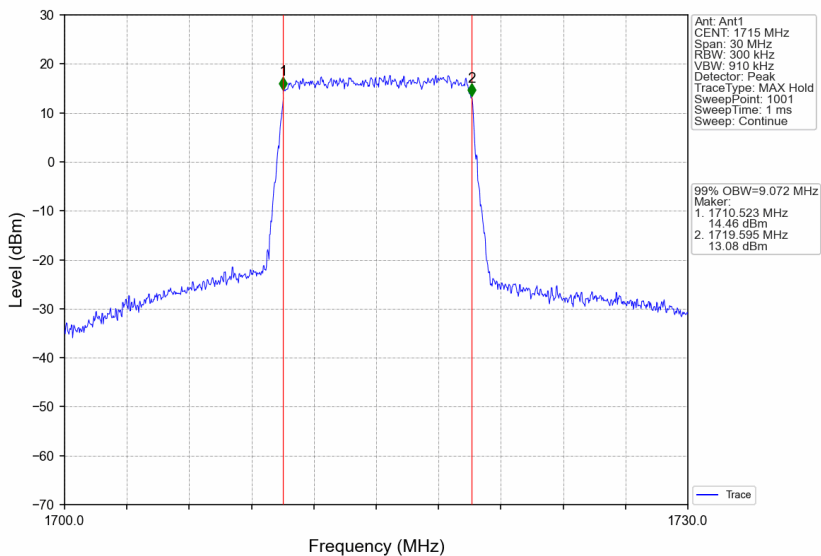
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Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



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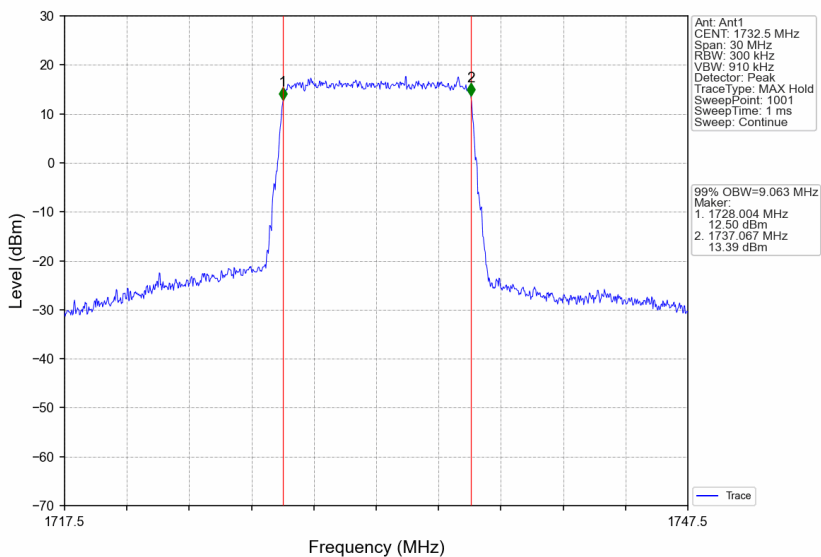
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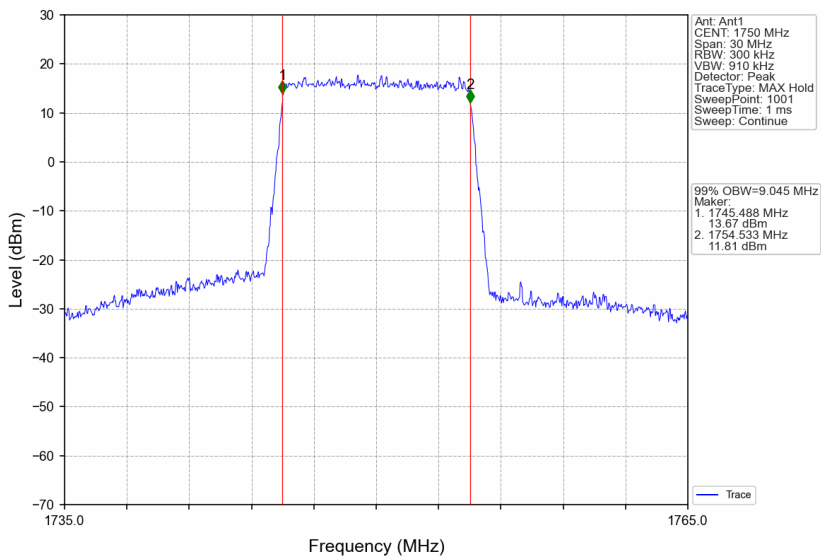
Rev.: 01

Page: 54 of 281

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



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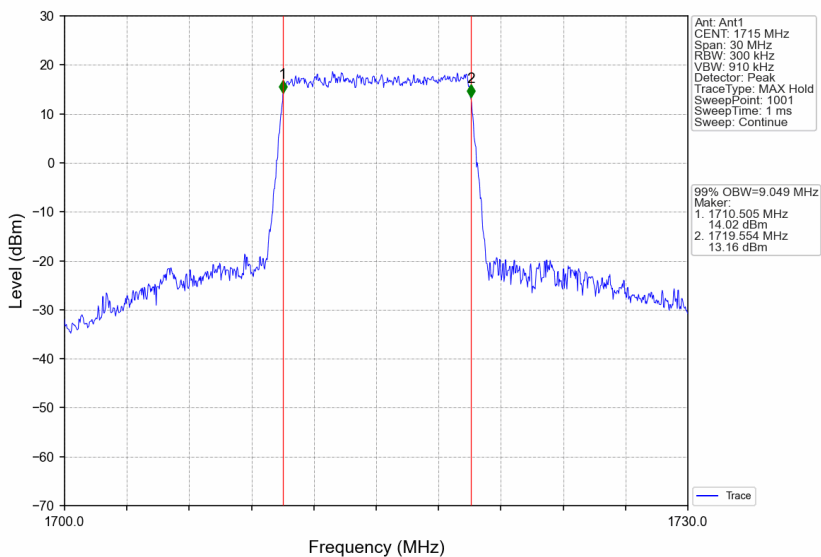
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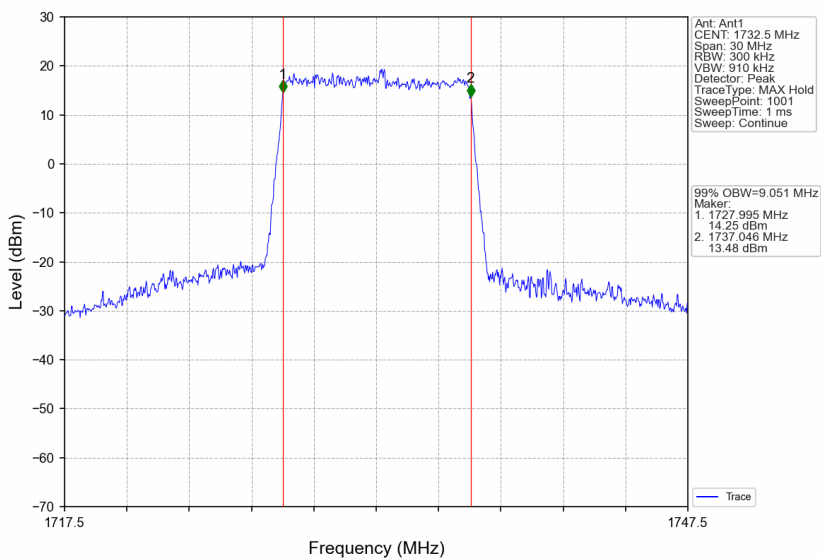
Rev.: 01

Page: 55 of 281

Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



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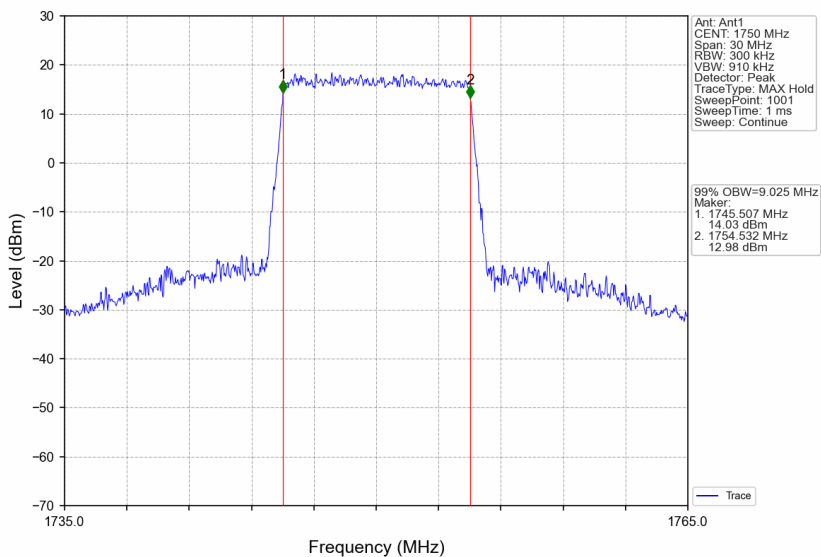
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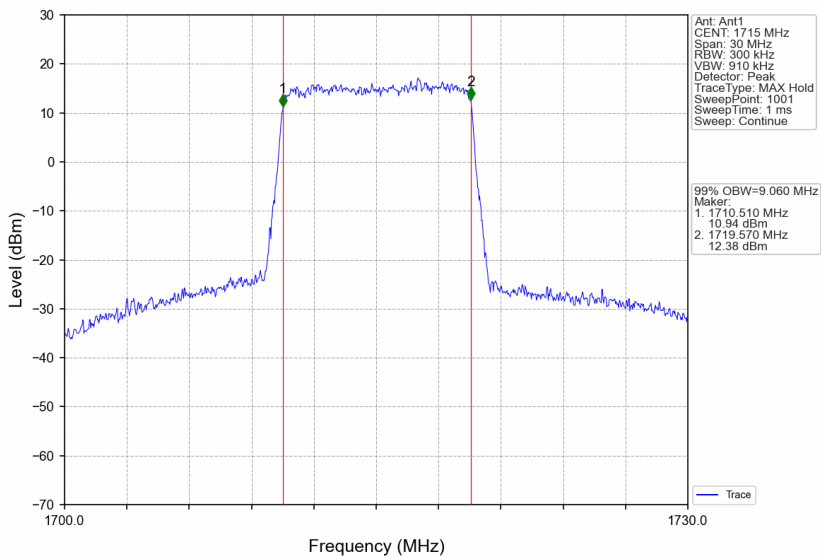
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Page: 56 of 281

Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_256QAM_LCH_1715MHz_RB_50_0_NTNV



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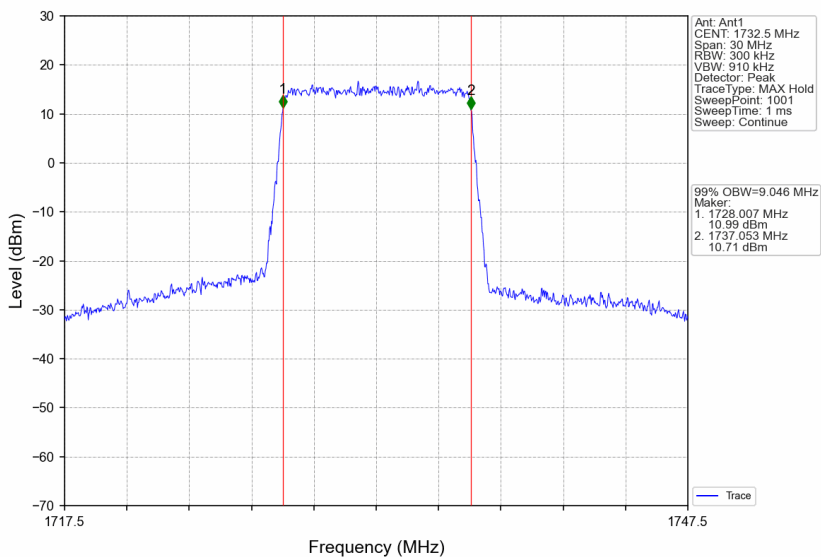
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Report No.: SEWM2311000456RG01

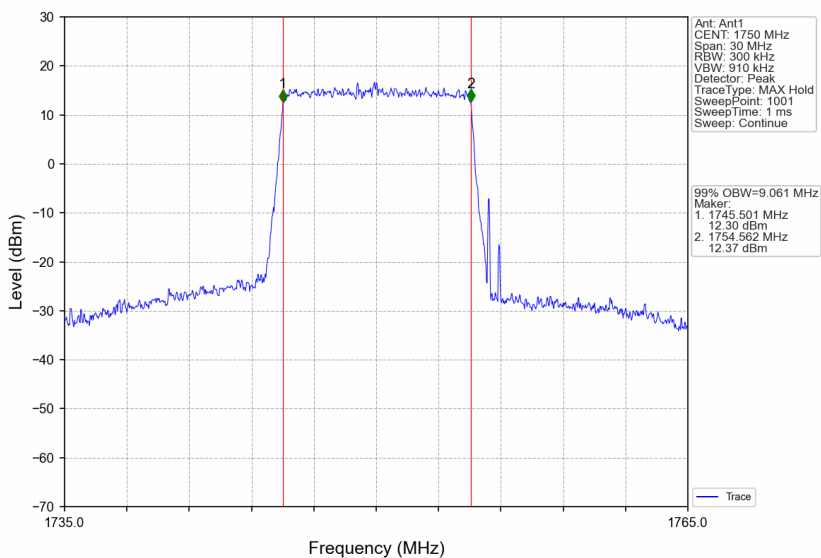
Rev.: 01

Page: 57 of 281

Band4_10MHz_256QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_256QAM_HCH_1750MHz_RB_50_0_NTNV



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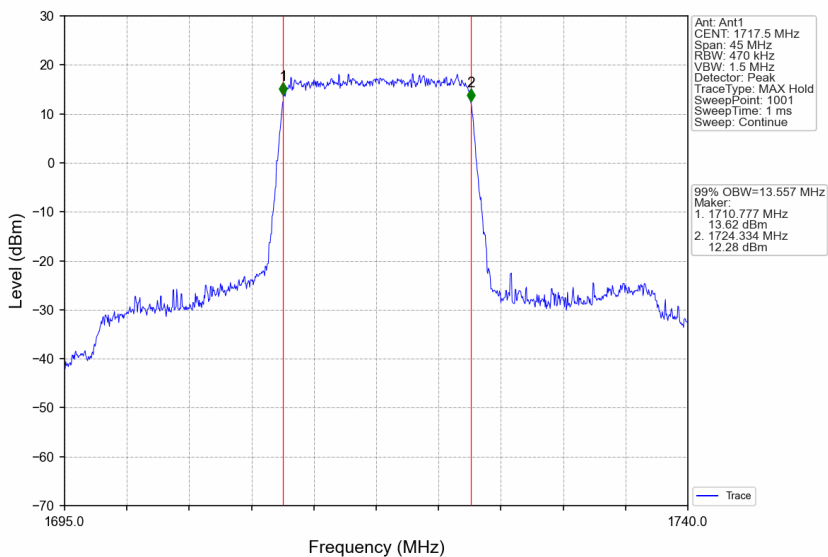
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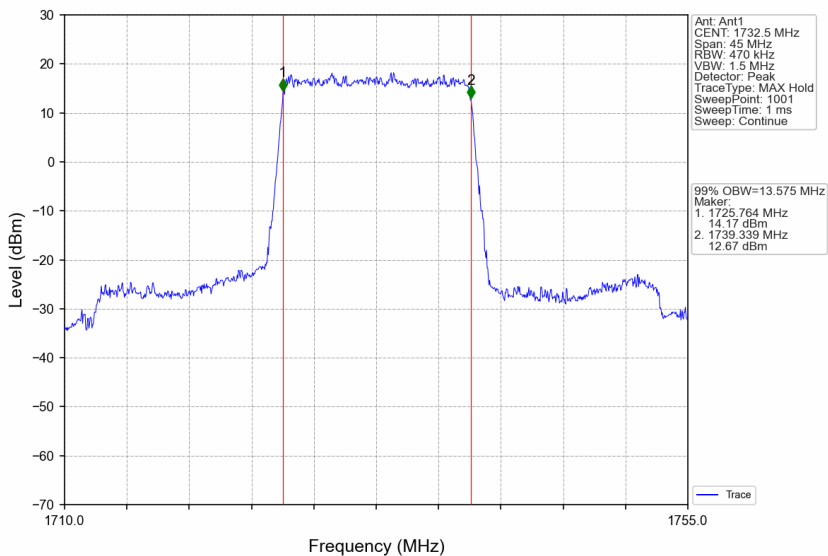
Rev.: 01

Page: 58 of 281

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



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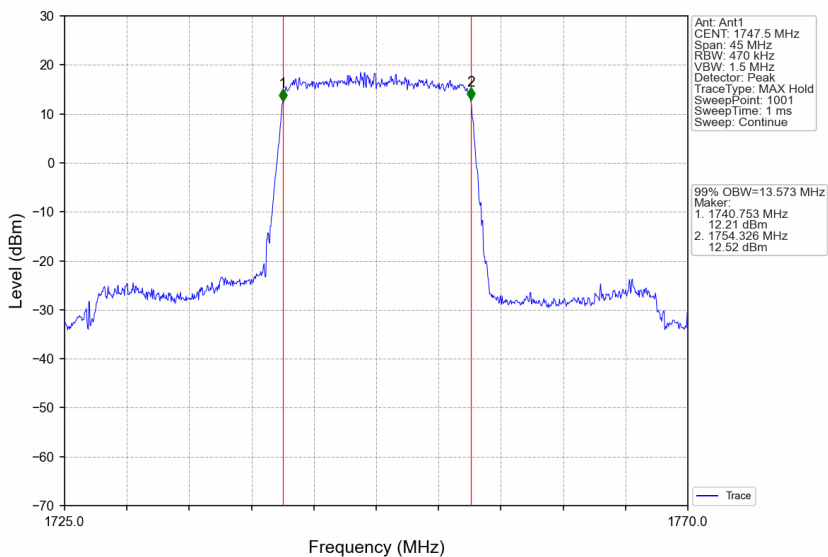
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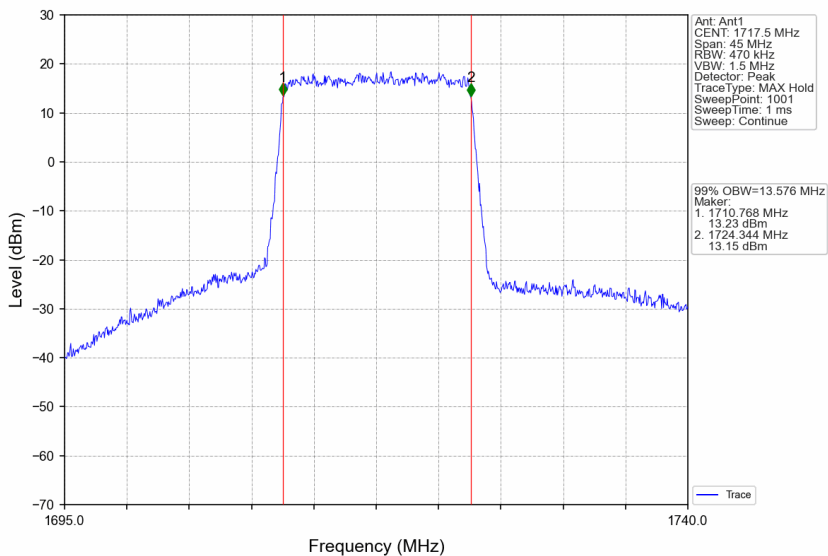
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Page: 59 of 281

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



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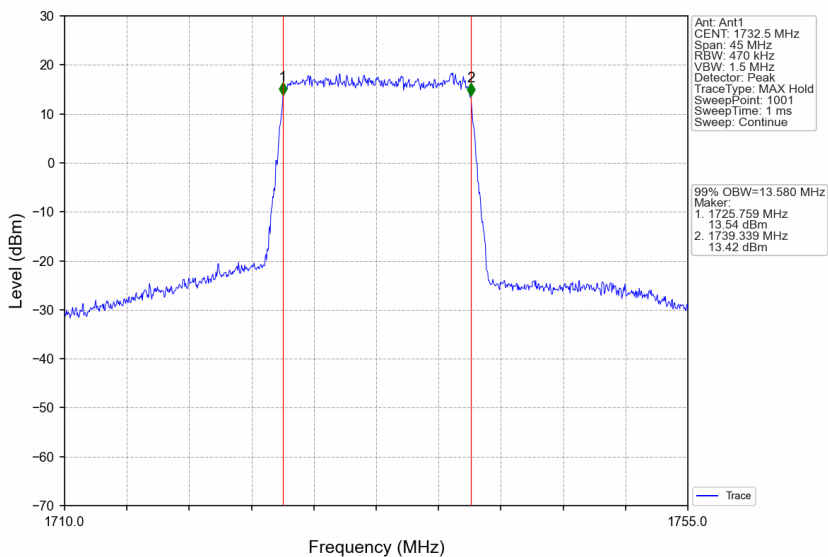
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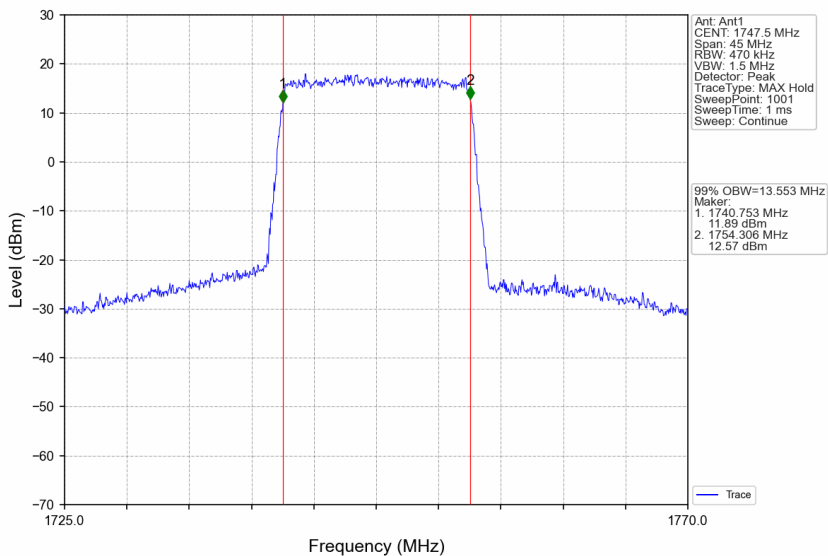
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Page: 60 of 281

Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



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