

Appendix B.7

LTE Band 4



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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 / NTN									
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		
		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		
	1732.5	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	
			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		
	1754.3	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	
			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		
16QAM	1710.7	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	
			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			
1732.5	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		
		1	0	21.49	-1.80	19.69	<=30	Pass	
			2	21.46	-1.80	19.66	<=30	Pass	
3	5		21.49	-1.80	19.69	<=30	Pass		
	0	21.30	-1.80	19.50	<=30	Pass			



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



			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		
64QAM	1710.7	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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64QAM	1711.5	15	0	21.42	-1.80	19.62	<=30	Pass	
			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	
		8	0	25.72	-1.80	23.92	<=30	Pass	
			4	25.70	-1.80	23.90	<=30	Pass	
			7	25.74	-1.80	23.94	<=30	Pass	
		1732.5	15	0	25.55	-1.80	23.75	<=30	Pass
				1	0	26.59	-1.80	24.79	<=30
	7				26.64	-1.80	24.84	<=30	Pass
	14		26.58		-1.80	24.78	<=30	Pass	
	8		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	
	15		0	25.85	-1.80	24.05	<=30	Pass	
			1	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		
	1753.5	8	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	
		15	0	25.39	-1.80	23.59	<=30	Pass	
			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		
256QAM		1711.5	8	0	23.63	-1.80	21.83	<=30	Pass
				4	23.63	-1.80	21.83	<=30	Pass
	7			23.64	-1.80	21.84	<=30	Pass	
	15		0	23.56	-1.80	21.76	<=30	Pass	
			1	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	
	1732.5		8	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		
15		0	23.81	-1.80	22.01	<=30	Pass		
		1	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		
1753.5		8	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		
	15	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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64QAM	1712.5	25	0	21.43	-1.80	19.63	<=30	Pass		
			1	0	26.45	-1.80	24.65	<=30	Pass	
				13	26.43	-1.80	24.63	<=30	Pass	
		12	24	26.45	-1.80	24.65	<=30	Pass		
			0	25.56	-1.80	23.76	<=30	Pass		
			6	25.54	-1.80	23.74	<=30	Pass		
	1732.5	25	13	25.54	-1.80	23.74	<=30	Pass		
			1	0	25.60	-1.80	23.80	<=30	Pass	
				0	26.76	-1.80	24.96	<=30	Pass	
		12	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		
	1752.5	25	6	25.72	-1.80	23.92	<=30	Pass		
			1	13	25.74	-1.80	23.94	<=30	Pass	
				0	25.77	-1.80	23.97	<=30	Pass	
		12	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		
	256QAM	1712.5	25	0	25.34	-1.80	23.54	<=30	Pass	
				1	6	25.30	-1.80	23.50	<=30	Pass
					13	25.29	-1.80	23.49	<=30	Pass
12			0	25.33	-1.80	23.53	<=30	Pass		
			1	0	23.35	-1.80	21.55	<=30	Pass	
				13	23.37	-1.80	21.57	<=30	Pass	
12		24	23.34	-1.80	21.54	<=30	Pass			
		0	23.62	-1.80	21.82	<=30	Pass			
		6	23.61	-1.80	21.81	<=30	Pass			
1732.5		25	13	23.61	-1.80	21.81	<=30	Pass		
			1	0	23.65	-1.80	21.85	<=30	Pass	
				0	23.92	-1.80	22.12	<=30	Pass	
		12	13	23.97	-1.80	22.17	<=30	Pass		
			24	23.97	-1.80	22.17	<=30	Pass		
			0	23.77	-1.80	21.97	<=30	Pass		
1752.5		25	6	23.75	-1.80	21.95	<=30	Pass		
			1	13	23.78	-1.80	21.98	<=30	Pass	
				0	23.74	-1.80	21.94	<=30	Pass	
	12	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			
25	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



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1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN										
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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64QAM	1715	50	0	21.42	-1.80	19.62	<=30	Pass		
			1	0	26.82	-1.80	25.02	<=30	Pass	
				25	26.71	-1.80	24.91	<=30	Pass	
		25	49	26.82	-1.80	25.02	<=30	Pass		
			0	25.64	-1.80	23.84	<=30	Pass		
				13	25.65	-1.80	23.85	<=30	Pass	
	1732.5	50	25	25.71	-1.80	23.91	<=30	Pass		
			1	0	25.64	-1.80	23.84	<=30	Pass	
				0	26.75	-1.80	24.95	<=30	Pass	
		25	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	
	1750	50	13	25.82	-1.80	24.02	<=30	Pass		
			25	25	25.84	-1.80	24.04	<=30	Pass	
				0	25.77	-1.80	23.97	<=30	Pass	
		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		
	256QAM	1715	50	0	25.39	-1.80	23.59	<=30	Pass	
				1	0	24.13	-1.80	22.33	<=30	Pass
					25	24.02	-1.80	22.22	<=30	Pass
			25	49	24.12	-1.80	22.32	<=30	Pass	
				0	23.68	-1.80	21.88	<=30	Pass	
					13	23.67	-1.80	21.87	<=30	Pass
1732.5		50	25	23.71	-1.80	21.91	<=30	Pass		
			1	0	23.66	-1.80	21.86	<=30	Pass	
				0	23.59	-1.80	21.79	<=30	Pass	
		25	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	
1750		50	13	23.79	-1.80	21.99	<=30	Pass		
			25	25	23.80	-1.80	22.00	<=30	Pass	
				0	23.74	-1.80	21.94	<=30	Pass	
		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		
1715		50	0	23.42	-1.80	21.62	<=30	Pass		
			1	13	23.37	-1.80	21.57	<=30	Pass	
				25	23.36	-1.80	21.56	<=30	Pass	
		25	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	
			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		
	1732.5	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	
			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	
		1747.5	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	
			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	
16QAM	1717.5		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	
			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	
		1732.5	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	
			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	
	1747.5		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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64QAM	1717.5	75	0	21.41	-1.80	19.61	<=30	Pass	
		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		0	25.65	-1.80	23.85	<=30	Pass	
	1732.5	1	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	
		36	18	25.75	-1.80	23.95	<=30	Pass	
			39	25.76	-1.80	23.96	<=30	Pass	
	75	0	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	0	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		0	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		0	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		0	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

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN										
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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64QAM	1720	100	0	21.48	-1.80	19.68	<=30	Pass		
			1	0	26.96	-1.80	25.16	<=30	Pass	
				50	26.92	-1.80	25.12	<=30	Pass	
		50	99	26.94	-1.80	25.14	<=30	Pass		
			1	0	25.65	-1.80	23.85	<=30	Pass	
				25	25.69	-1.80	23.89	<=30	Pass	
	1732.5	100	50	25.65	-1.80	23.85	<=30	Pass		
			1	0	25.65	-1.80	23.85	<=30	Pass	
				0	26.91	-1.80	25.11	<=30	Pass	
		50	50	26.93	-1.80	25.13	<=30	Pass		
			1	99	26.89	-1.80	25.09	<=30	Pass	
				0	25.75	-1.80	23.95	<=30	Pass	
	1745	100	25	25.73	-1.80	23.93	<=30	Pass		
			1	50	25.74	-1.80	23.94	<=30	Pass	
				0	25.73	-1.80	23.93	<=30	Pass	
		50	0	26.73	-1.80	24.93	<=30	Pass		
			1	50	26.70	-1.80	24.90	<=30	Pass	
				99	26.64	-1.80	24.84	<=30	Pass	
	256QAM	1720	100	0	25.50	-1.80	23.70	<=30	Pass	
				1	25	25.49	-1.80	23.69	<=30	Pass
					50	25.46	-1.80	23.66	<=30	Pass
			50	100	25.47	-1.80	23.67	<=30	Pass	
				1	0	23.93	-1.80	22.13	<=30	Pass
					50	23.92	-1.80	22.12	<=30	Pass
1732.5		100	99	23.87	-1.80	22.07	<=30	Pass		
			1	0	23.65	-1.80	21.85	<=30	Pass	
				25	23.67	-1.80	21.87	<=30	Pass	
		50	50	23.64	-1.80	21.84	<=30	Pass		
			1	0	23.65	-1.80	21.85	<=30	Pass	
				0	23.91	-1.80	22.11	<=30	Pass	
1745		100	50	23.99	-1.80	22.19	<=30	Pass		
			1	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		
			1	50	23.73	-1.80	21.93	<=30	Pass	
				0	23.72	-1.80	21.92	<=30	Pass	
1745		100	0	23.78	-1.80	21.98	<=30	Pass		
			1	50	23.72	-1.80	21.92	<=30	Pass	
				99	23.69	-1.80	21.89	<=30	Pass	
		50	0	23.49	-1.80	21.69	<=30	Pass		
			1	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

Table with columns: Modulation, Frequency (MHz), RB Allocation (Size, Offset), Temp. (°C), Voltage (VDC), Freq. Error (Hz), Freq. vs. Rated (ppm) (Result, Limit), Verdict. Data includes QPSK and 16QAM tests at 1710.7, 1732.5, and 1754.3 MHz.



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Table with 10 columns: Test Item, Test Method, Test Result, Test Value, Test Unit, Test Standard, Test Date, Test Location, Test Status, Test Remark. Rows include test results for 1732.5, 1754.3, 1710.7, and 1732.5 across various test methods and standards.



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	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
				-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
				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
				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
				-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
				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
				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
				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				
	50	3.84	-17.166	-0.0100	-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
				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				
	50	3.84	21.100	0.0122	-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					
50	3.84	14.749	0.0084	-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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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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				4.25	-72.562	-0.0414	-2.5 to 2.5	Pass	
				-30	3.84	-56.486	-0.0322	Pass	
				-20	3.84	-53.483	-0.0305	Pass	
				-10	3.84	-43.095	-0.0246	Pass	
				0	3.84	-20.472	-0.0117	Pass	
				10	3.84	-34.126	-0.0195	Pass	
				30	3.84	-44.959	-0.0256	Pass	
				40	3.84	5.402	0.0031	Pass	
				50	3.84	-44.015	-0.0251	Pass	
256QAM	1711.5	15	0	20	3.6	-14.998	-0.0088	Pass	
					3.84	-69.268	-0.0405	Pass	
					4.25	-8.601	-0.0050	Pass	
					-30	3.84	-44.106	-0.0258	Pass
					-20	3.84	-72.114	-0.0421	Pass
					-10	3.84	-95.047	-0.0555	Pass
					0	3.84	-11.418	-0.0067	Pass
					10	3.84	-27.738	-0.0162	Pass
					30	3.84	-47.806	-0.0279	Pass
		40	3.84	-67.214	-0.0393	Pass			
		50	3.84	-85.266	-0.0498	Pass			
		1732.5	15	0	20	3.6	-60.652	-0.0350	Pass
					3.84	-83.763	-0.0483	Pass	
					4.25	6.076	0.0035	Pass	
					-30	3.84	0.749	0.0004	Pass
					-20	3.84	-2.241	-0.0013	Pass
					-10	3.84	-4.254	-0.0025	Pass
					0	3.84	-5.210	-0.0030	Pass
					10	3.84	-8.147	-0.0047	Pass
					30	3.84	-10.828	-0.0062	Pass
		40	3.84	-14.718	-0.0085	Pass			
		50	3.84	-17.763	-0.0103	Pass			
		1753.5	15	0	20	3.6	-1.880	-0.0011	Pass
					3.84	-37.431	-0.0213	Pass	
					4.25	-61.577	-0.0351	Pass	
					-30	3.84	-79.166	-0.0451	Pass
					-20	3.84	9.259	0.0053	Pass
	-10				3.84	-3.332	-0.0019	Pass	
	0				3.84	-15.653	-0.0089	Pass	
	10				3.84	-33.424	-0.0191	Pass	
	30				3.84	-42.616	-0.0243	Pass	
	40	3.84	-51.107	-0.0291	Pass				
	50	3.84	-58.231	-0.0332	Pass				



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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
				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
				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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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
	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			
	1752.5	25	0	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
				50	3.84	-3.448	-0.0020	-2.5 to 2.5	Pass
				1712.5	25	0	20	3.6	-62.782
	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
					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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					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	
256QAM	1712.5	25	0	20	3.6	-29.017	-0.0169	-2.5 to 2.5	Pass	
					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
					1732.5	25	0	20	3.6	-8.753
	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	
		50	3.84	-58.274				-0.0336	-2.5 to 2.5	Pass
		1752.5	25	0				20	3.6	-32.581
	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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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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64QAM	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			
	1715	50	0				20	3.6	-36.341	-0.0212	-2.5 to 2.5	Pass
								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	-2.5 to 2.5	Pass	
							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	-2.5 to 2.5	Pass	
							3.84	-54.683	-0.0312	-2.5 to 2.5	Pass	



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



Table with 10 columns: Item, Unit, Value, Deviation, Range, and Result. It contains test data for items 1715, 1732.5, and 1750, each with multiple frequency measurements and their corresponding results.



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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
				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
				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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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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					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				
256QAM	1717.5	75	0	20	3.6	-36.745	-0.0214	-2.5 to 2.5	Pass				
					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
					1732.5	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
		1747.5	75	0				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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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			
				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			
				1745	100	0	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			
	50	3.84	-33.946				-0.0195	-2.5 to 2.5	Pass			
	1720	100	0				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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				4.25	-83.419	-0.0478	-2.5 to 2.5	Pass				
				-30	3.84	-35.059	-0.0201	Pass				
				-20	3.84	-71.733	-0.0411	Pass				
				-10	3.84	-21.324	-0.0122	Pass				
				0	3.84	-63.126	-0.0362	Pass				
				10	3.84	-89.645	-0.0514	Pass				
				30	3.84	0.644	0.0004	Pass				
				40	3.84	-5.162	-0.0030	Pass				
				50	3.84	-86.567	-0.0496	Pass				
256QAM	1720	100	0	20	3.6	-90.857	-0.0528	Pass				
					3.84	-55.406	-0.0322	Pass				
					4.25	3.157	0.0018	Pass				
					-30	3.84	-40.109	-0.0233	Pass			
					-20	3.84	-77.127	-0.0448	Pass			
					-10	3.84	-8.280	-0.0048	Pass			
					0	3.84	-34.446	-0.0200	Pass			
					10	3.84	-63.205	-0.0367	Pass			
					30	3.84	-91.711	-0.0533	Pass			
					40	3.84	-20.998	-0.0122	Pass			
					50	3.84	-46.832	-0.0272	Pass			
					1732.5	100	0	20	3.6	-59.249	-0.0342	Pass
		3.84	-88.083	-0.0508				Pass				
		4.25	-3.519	-0.0020				Pass				
		-30	3.84	-14.078				-0.0081	Pass			
		-20	3.84	-22.325				-0.0129	Pass			
		-10	3.84	-25.618				-0.0148	Pass			
		0	3.84	-30.279				-0.0175	Pass			
		10	3.84	-35.069				-0.0202	Pass			
		30	3.84	-39.686				-0.0229	Pass			
		40	3.84	-45.241				-0.0261	Pass			
		50	3.84	-50.161				-0.0290	Pass			
		1745	100	0				20	3.6	-85.293	-0.0489	Pass
								3.84	-50.274	-0.0288	Pass	
								4.25	-35.657	-0.0204	Pass	
								-30	3.84	-34.330	-0.0197	Pass
								-20	3.84	-76.750	-0.0440	Pass
					-10	3.84	-5.705	-0.0033	Pass			
	0				3.84	-34.982	-0.0200	Pass				
	10				3.84	-62.133	-0.0356	Pass				
	30				3.84	-19.792	-0.0113	Pass				
	40				3.84	-18.886	-0.0108	Pass				
	50				3.84	-47.518	-0.0272	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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Rev.: 01

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	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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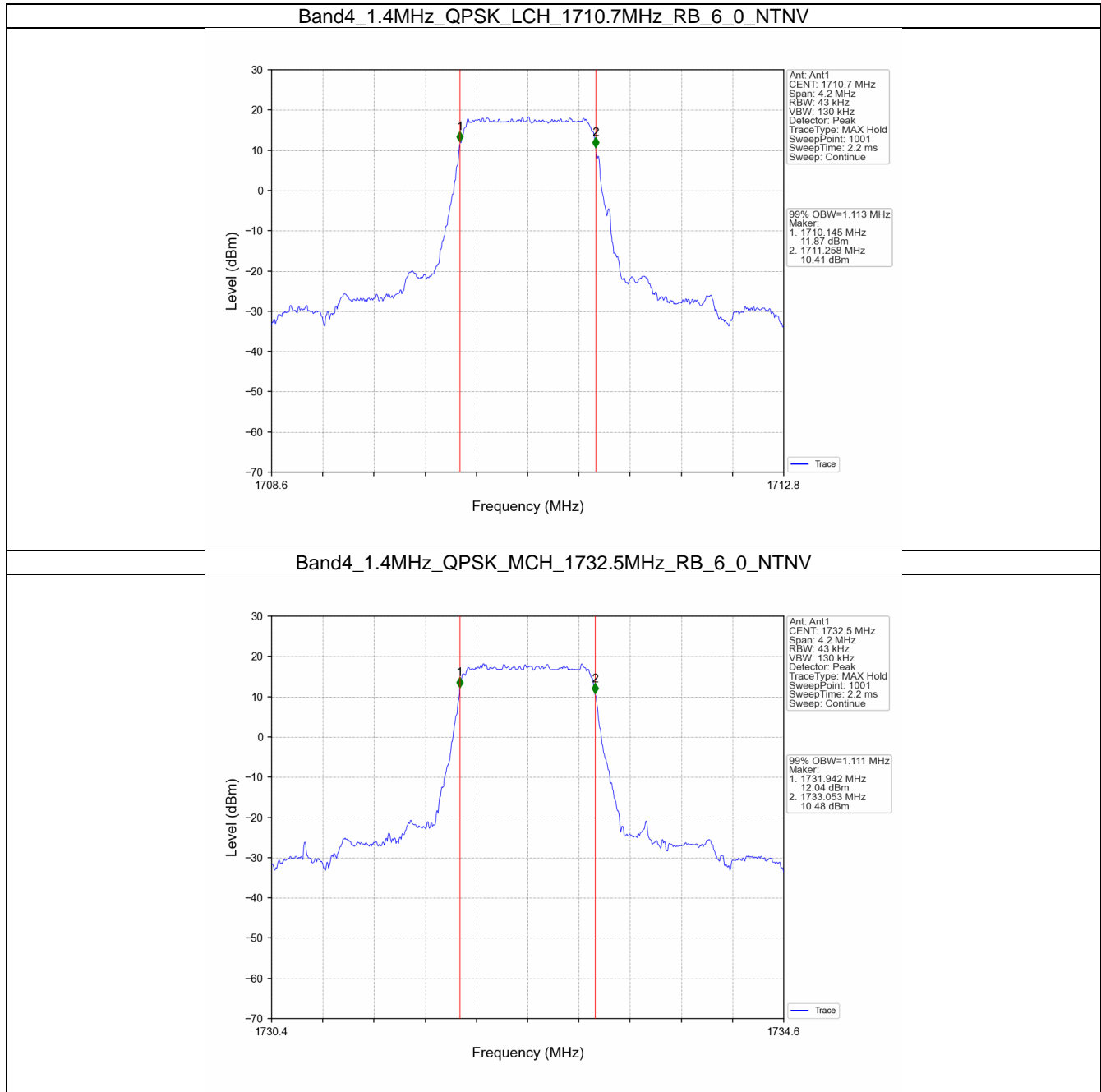
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3.1.2 Test Graph

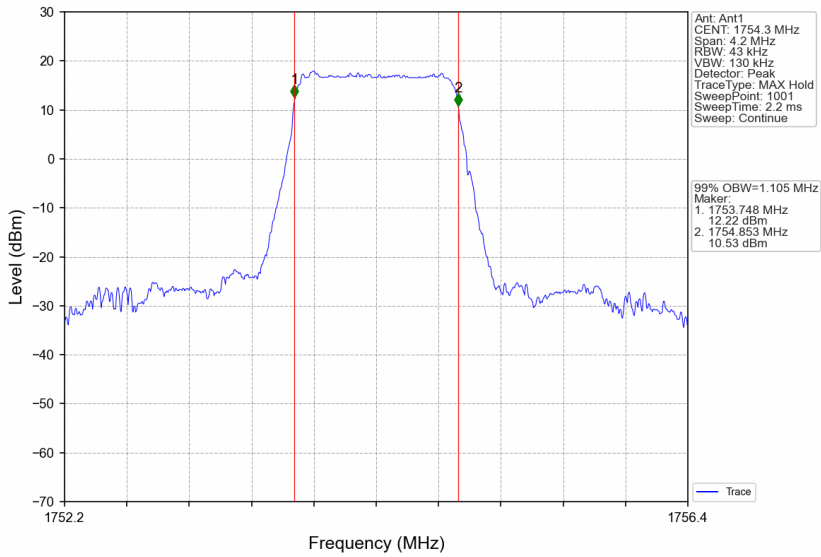


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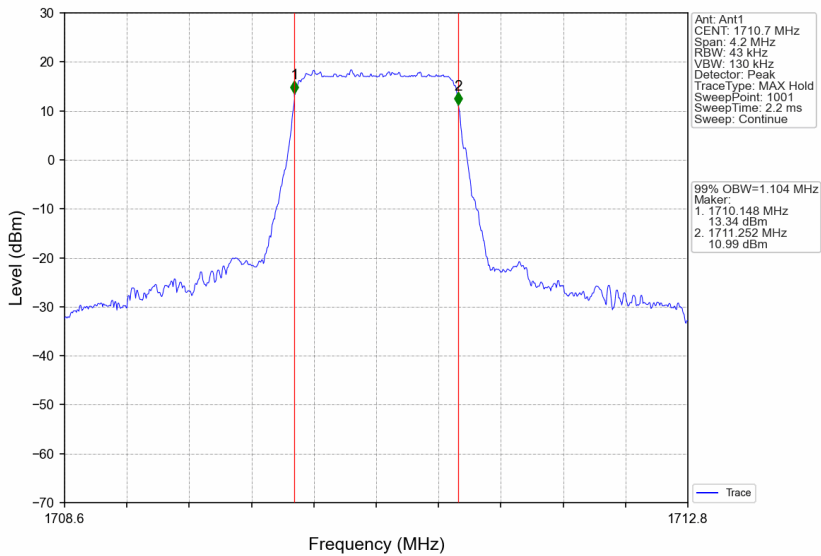
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Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



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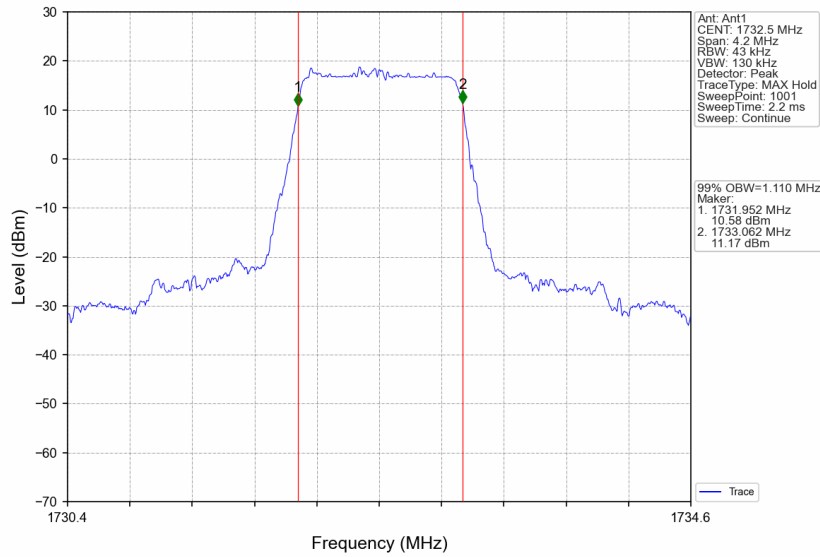
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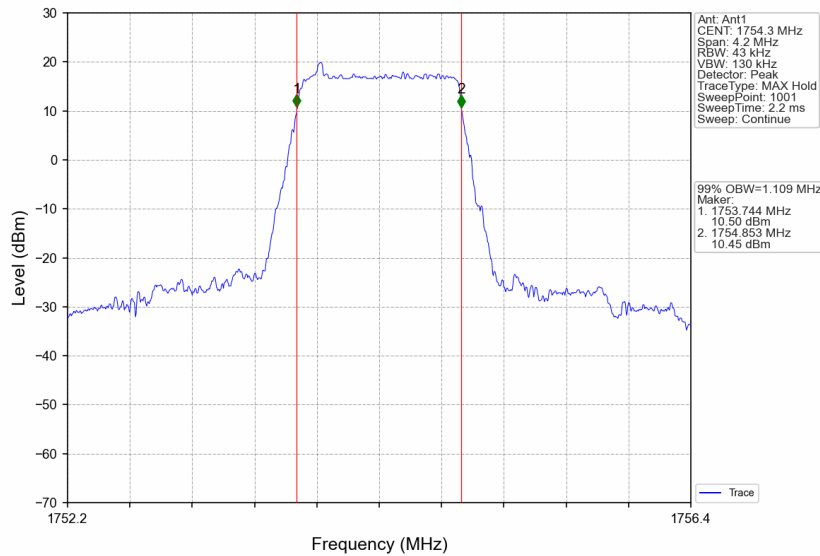
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Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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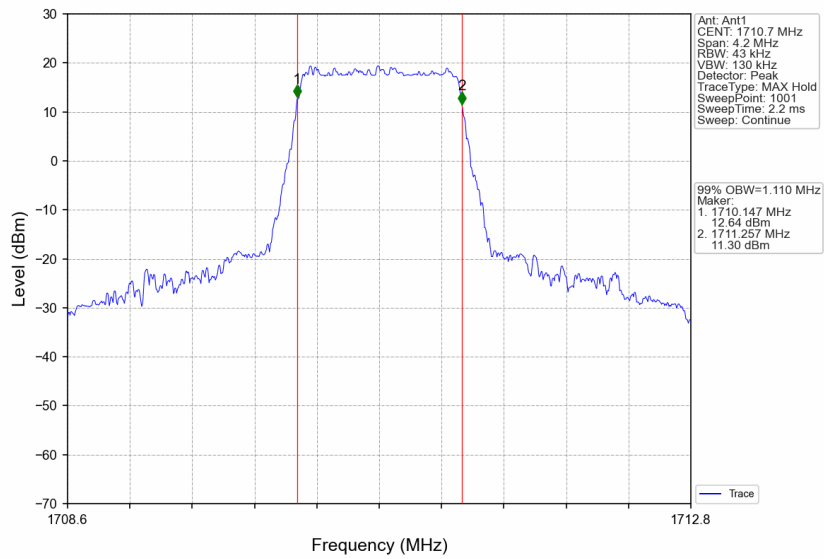
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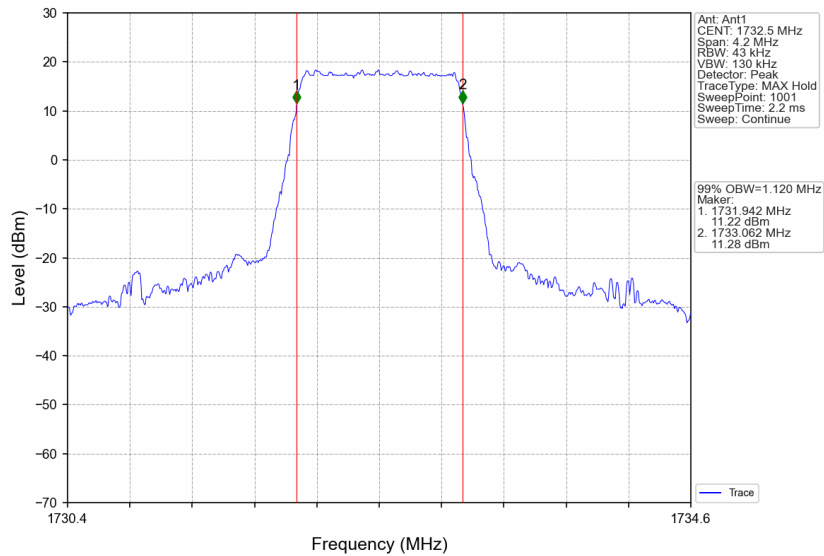
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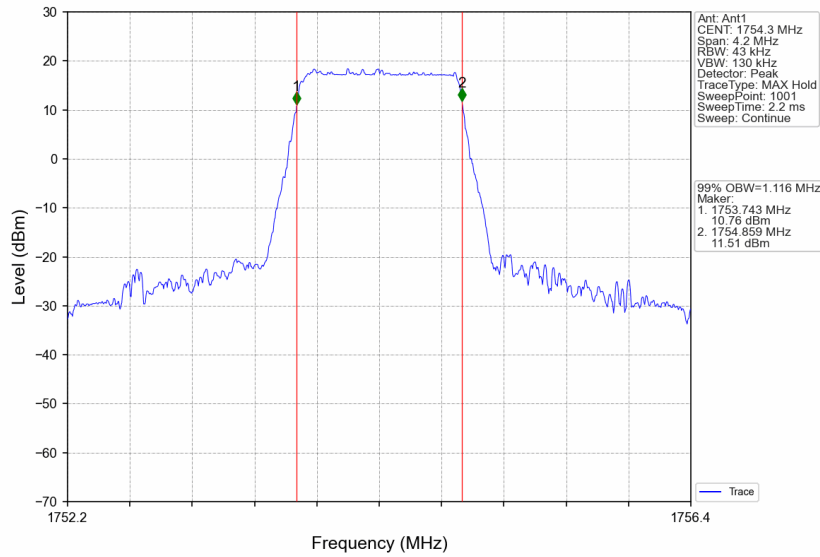


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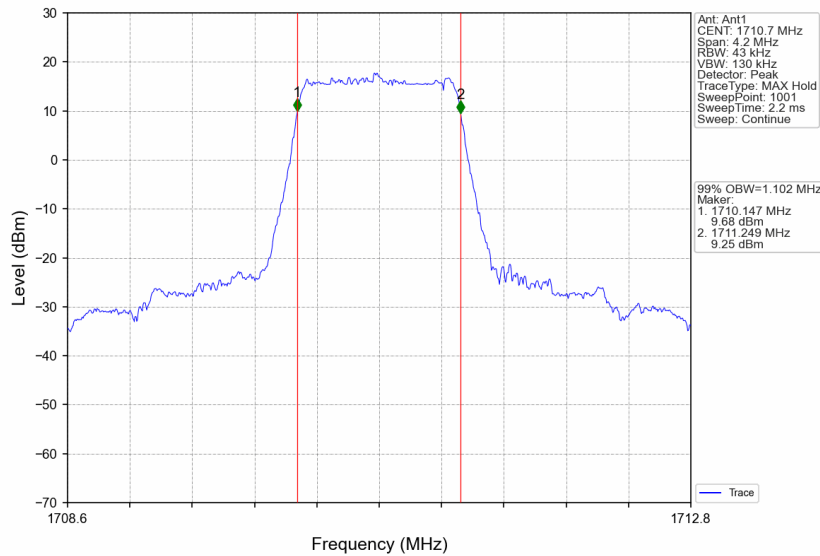
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Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



Band4_1.4MHz_256QAM_LCH_1710.7MHz_RB_6_0_NTNV



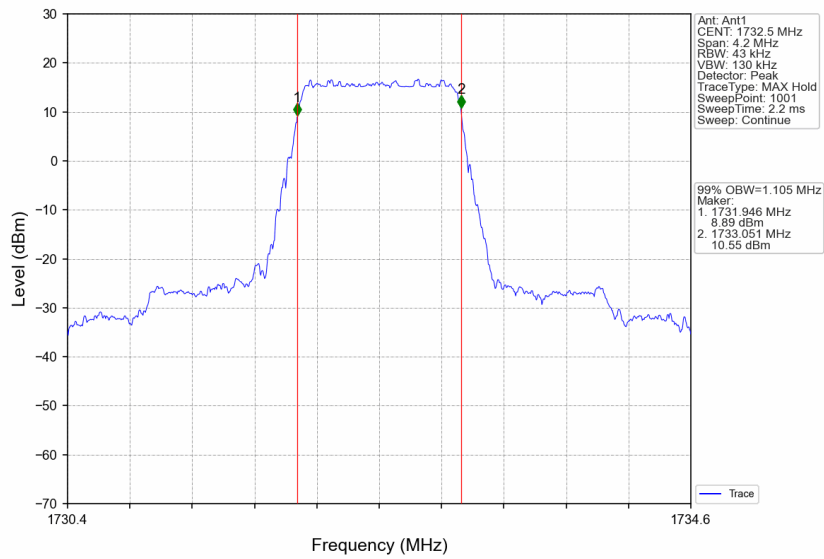
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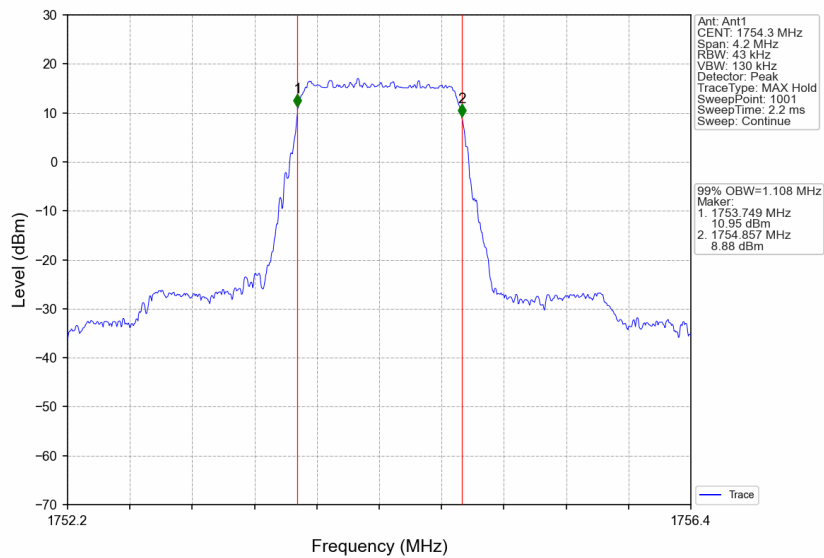
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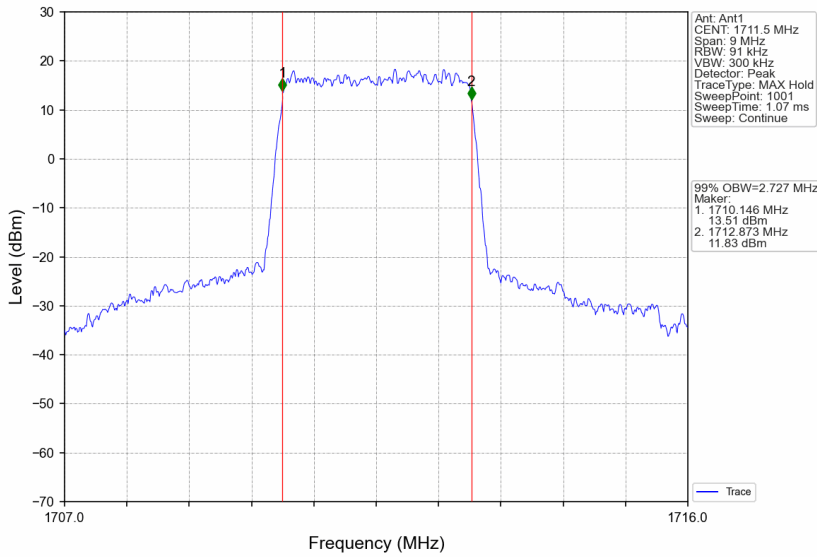


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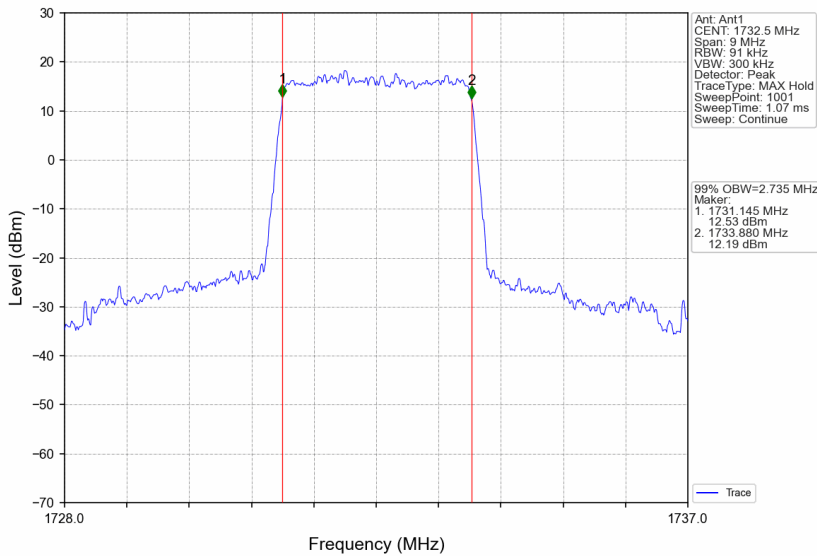
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Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



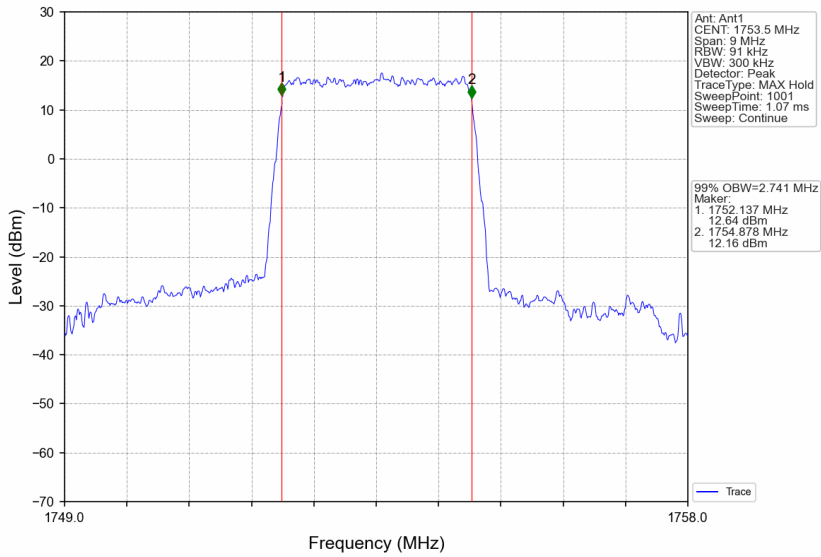
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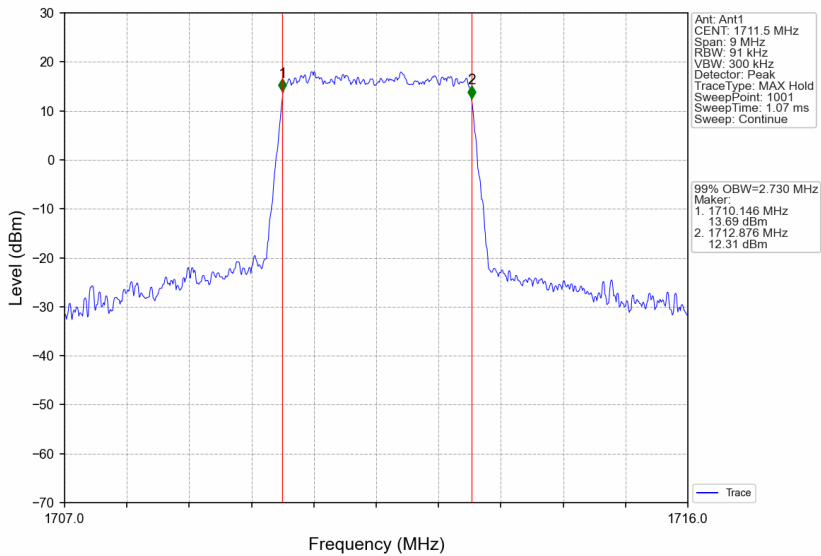
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Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



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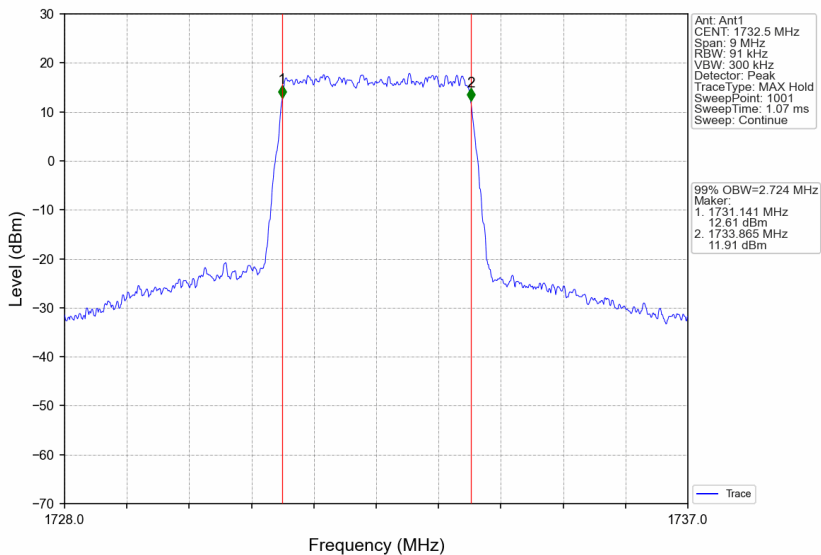
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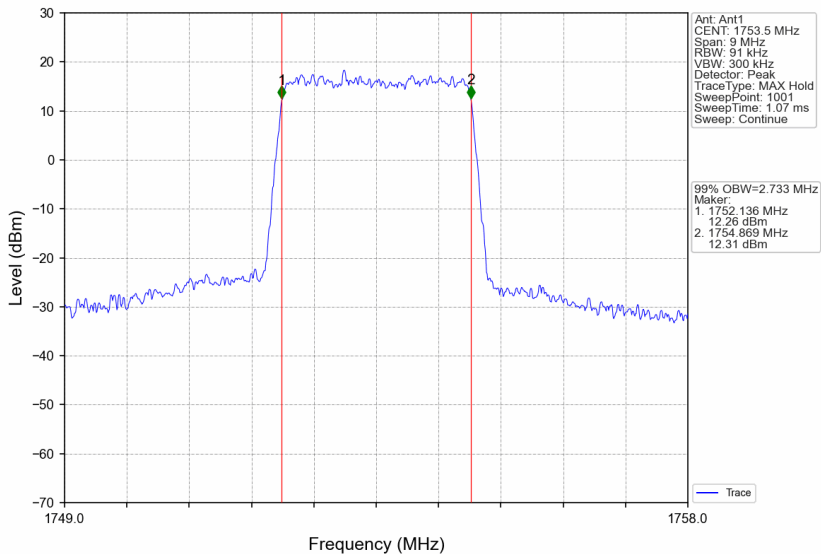
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Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

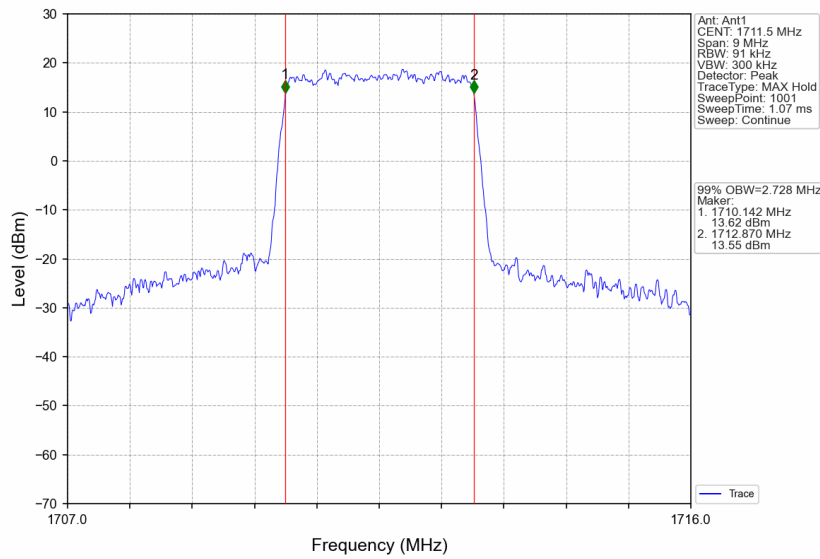


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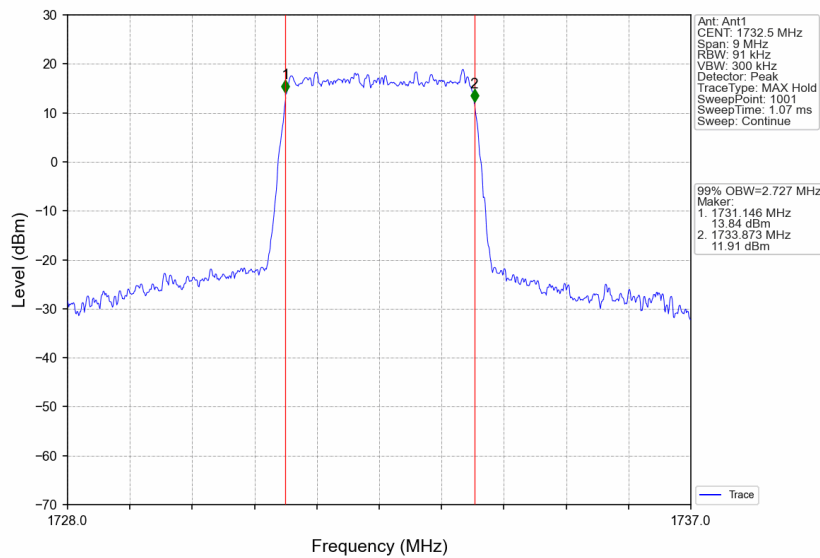
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Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



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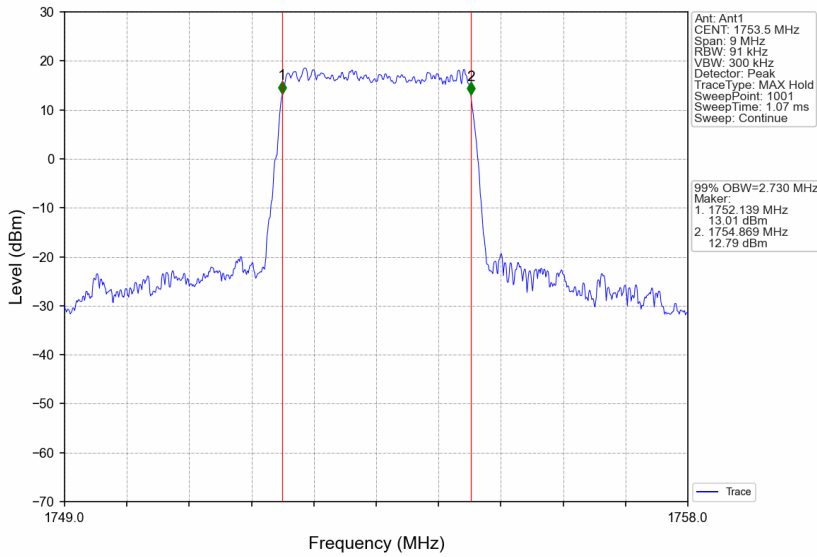
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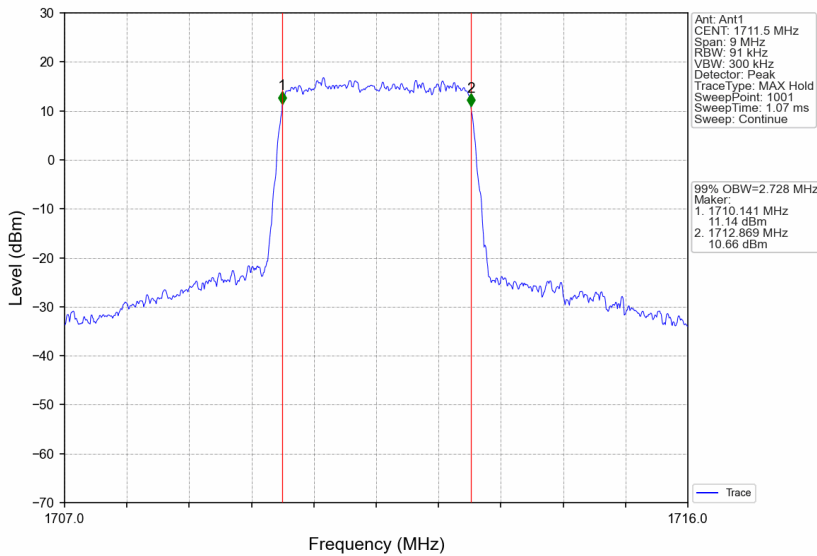
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Band4_3MHz_256QAM_LCH_1711.5MHz_RB_15_0_NTNV

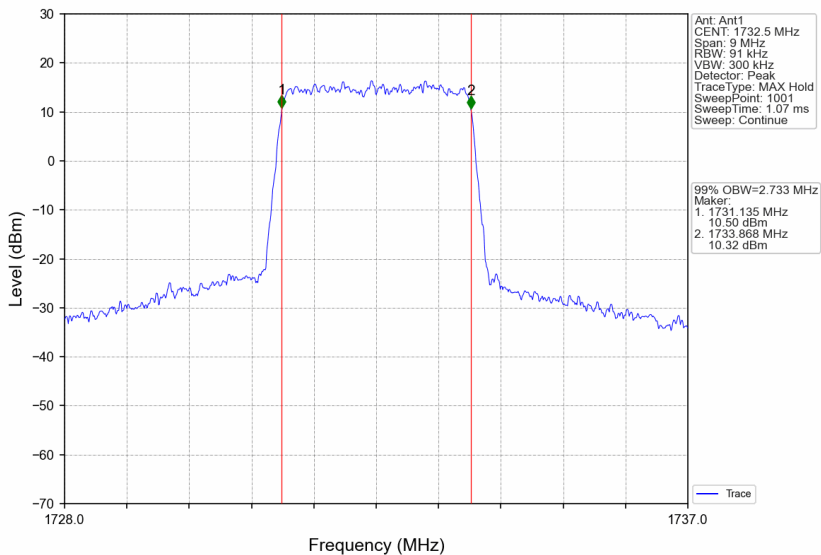


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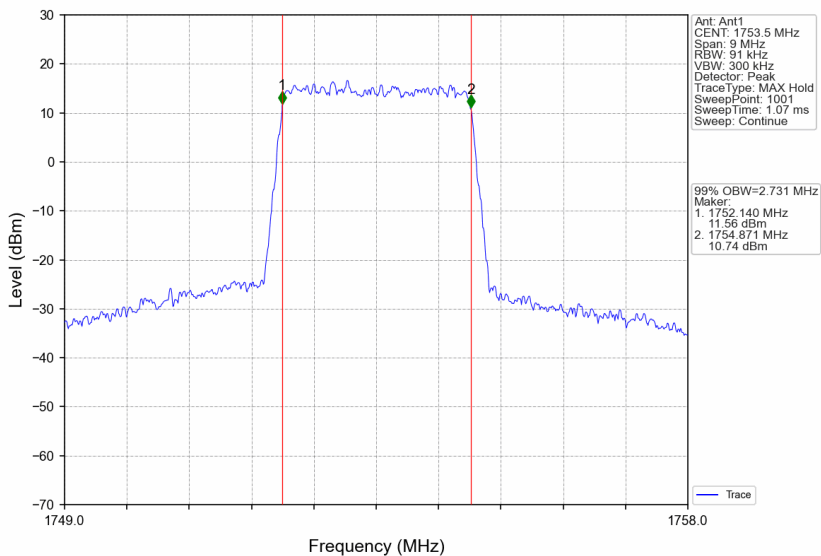
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Band4_3MHz_256QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_256QAM_HCH_1753.5MHz_RB_15_0_NTNV

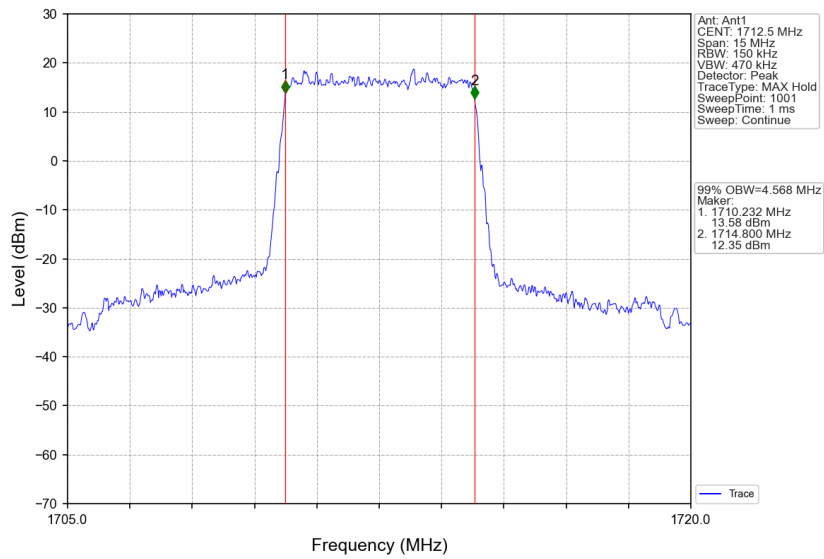


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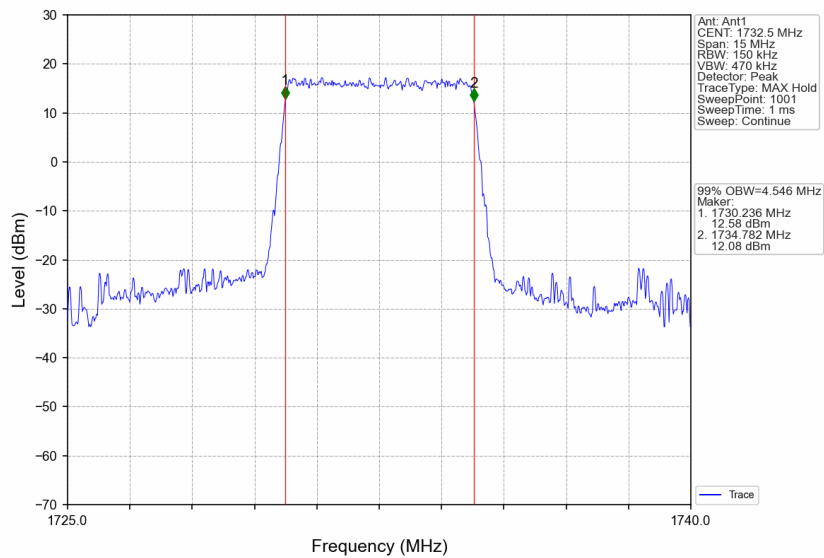
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Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



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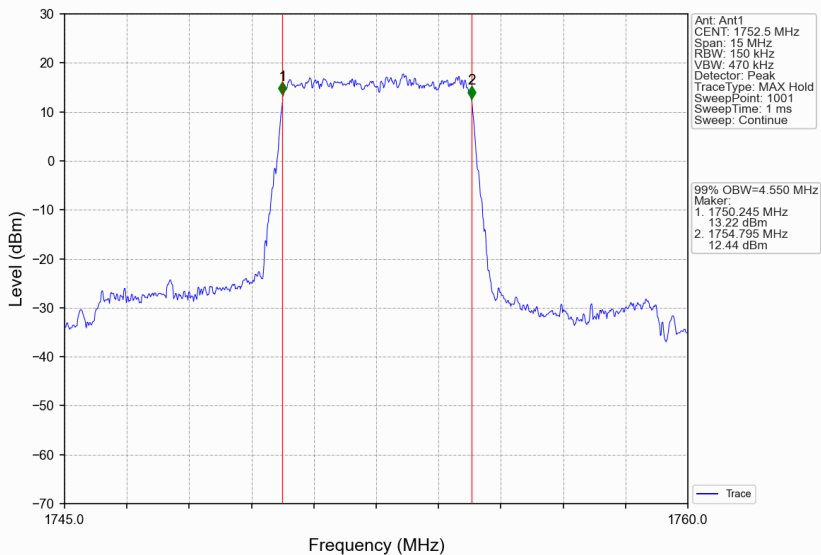
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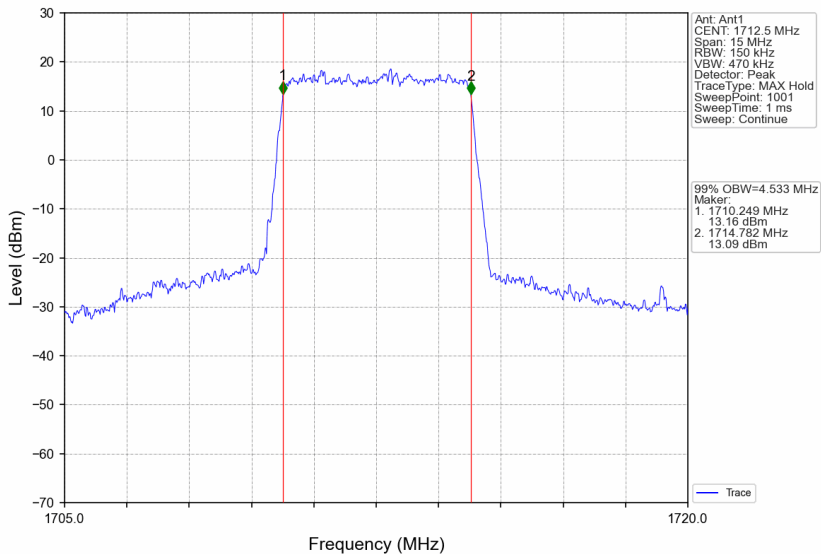
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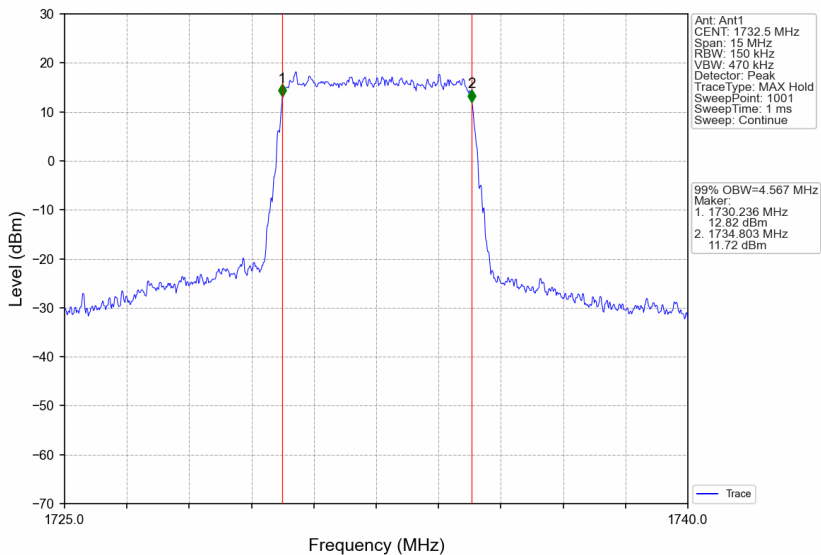
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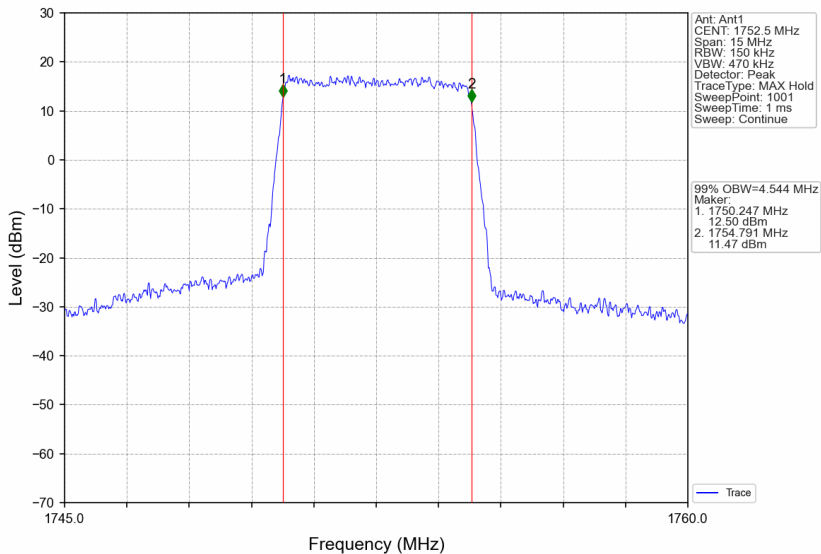
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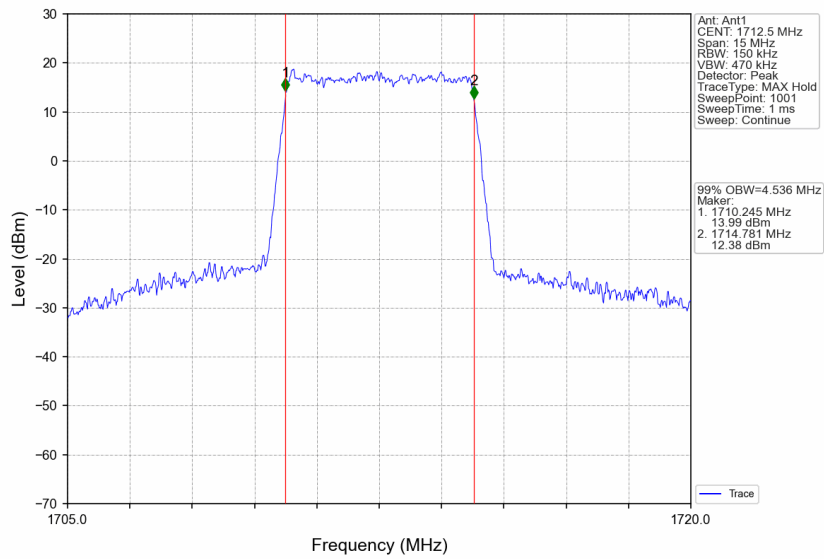
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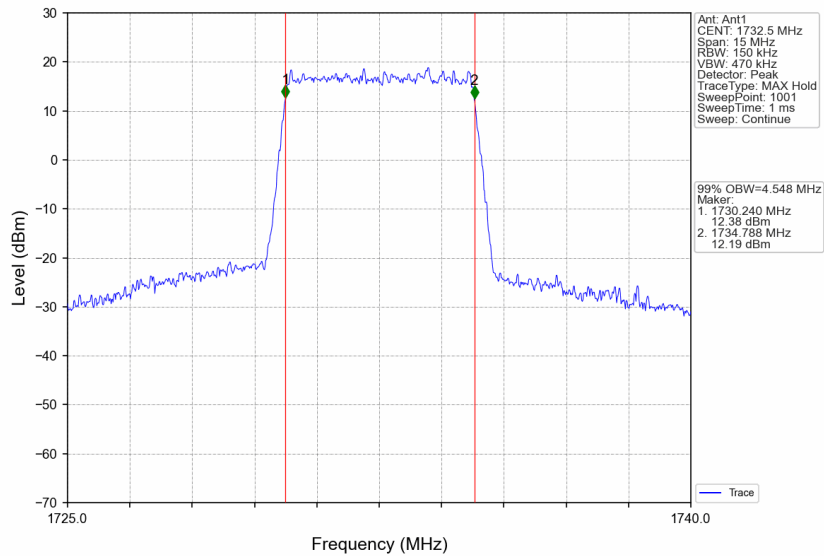
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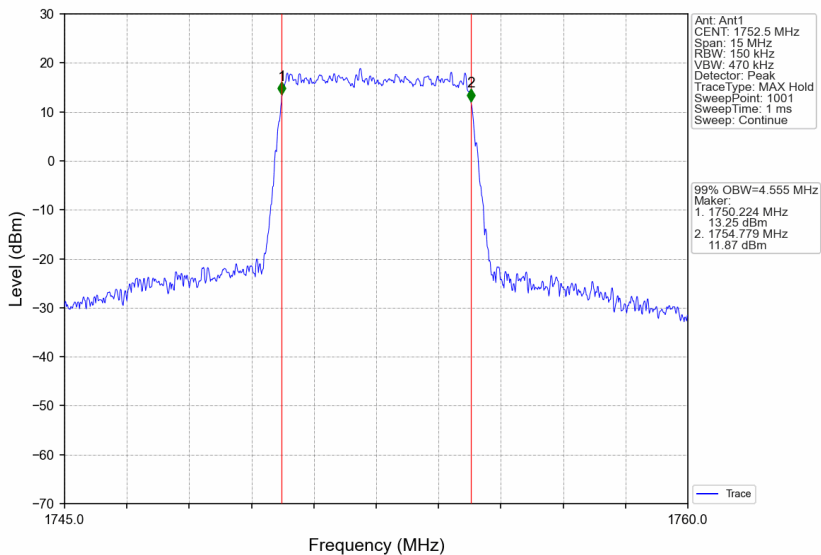
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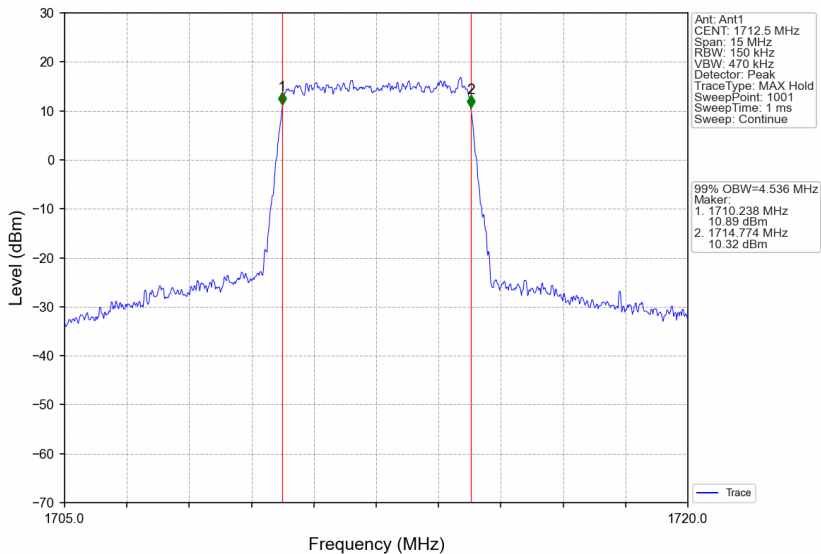
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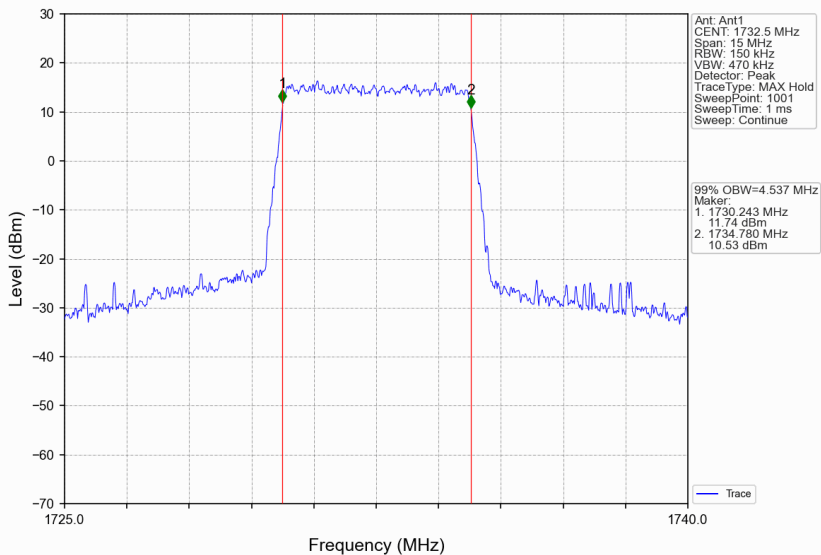


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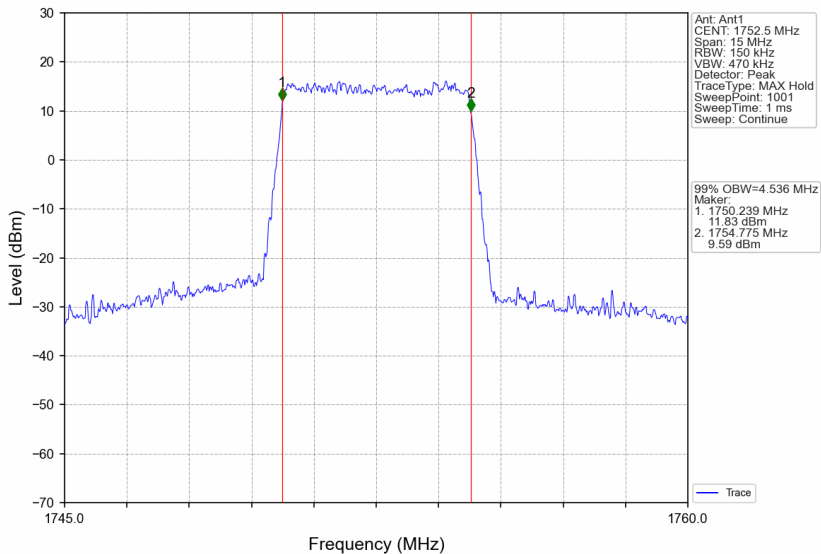
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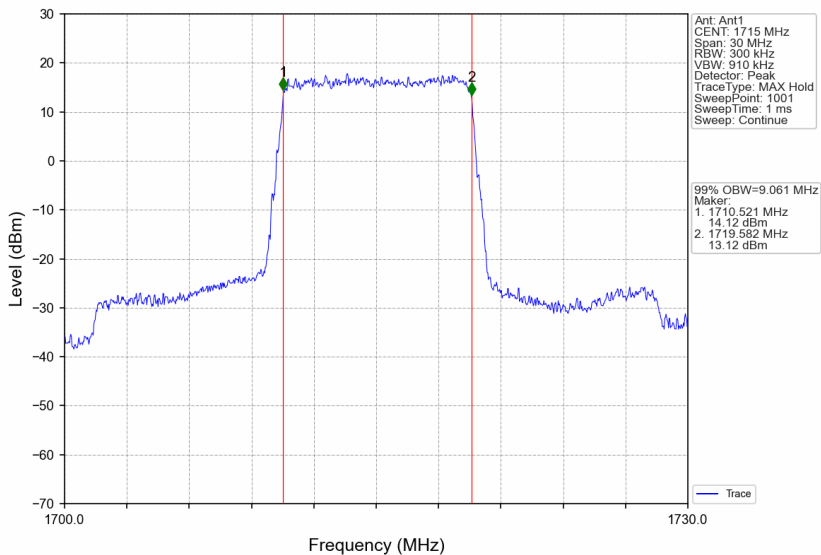
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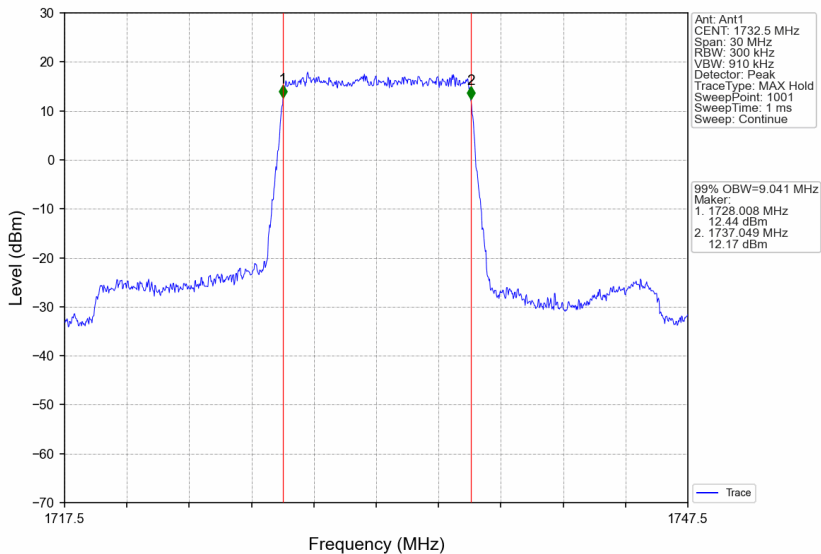
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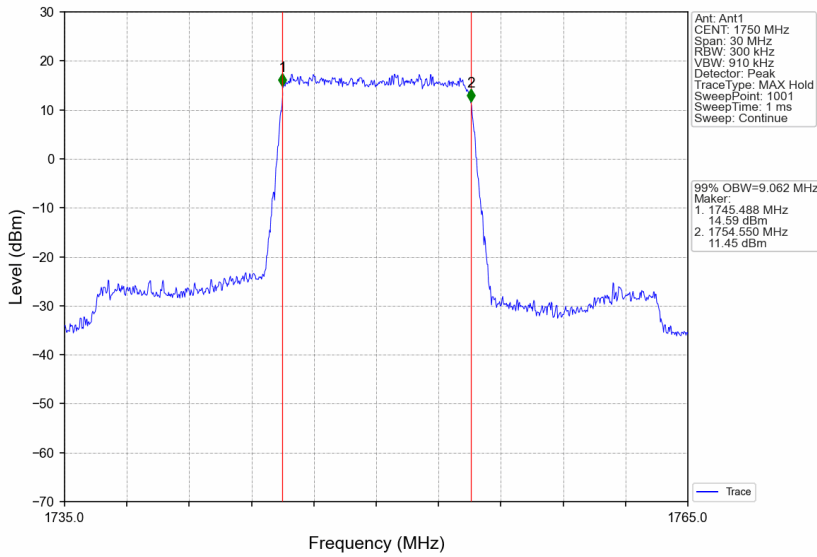
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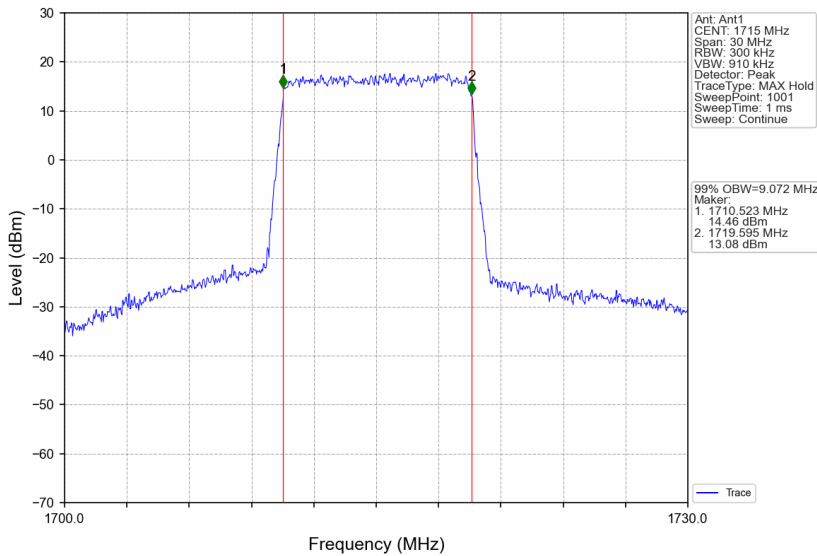
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Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

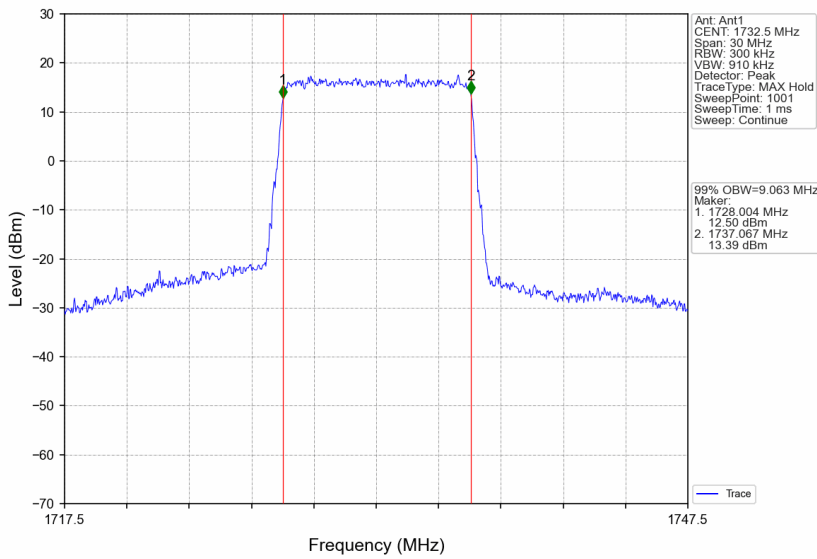


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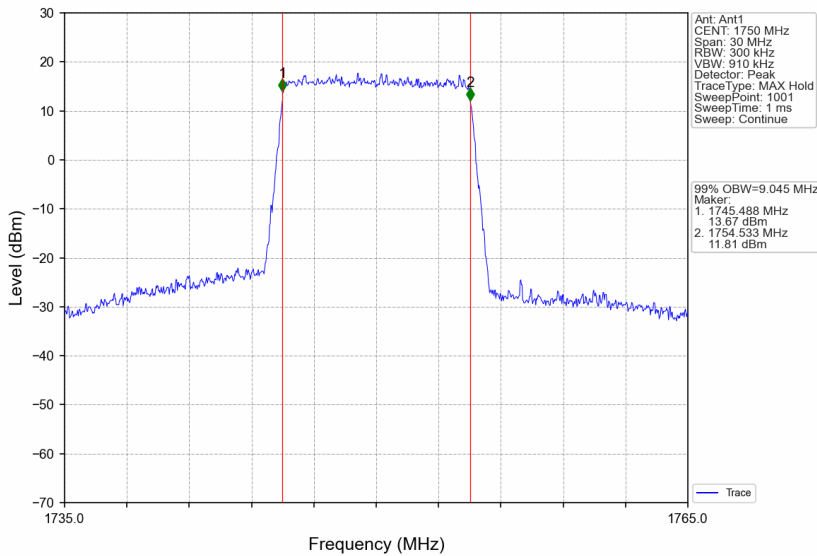
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Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



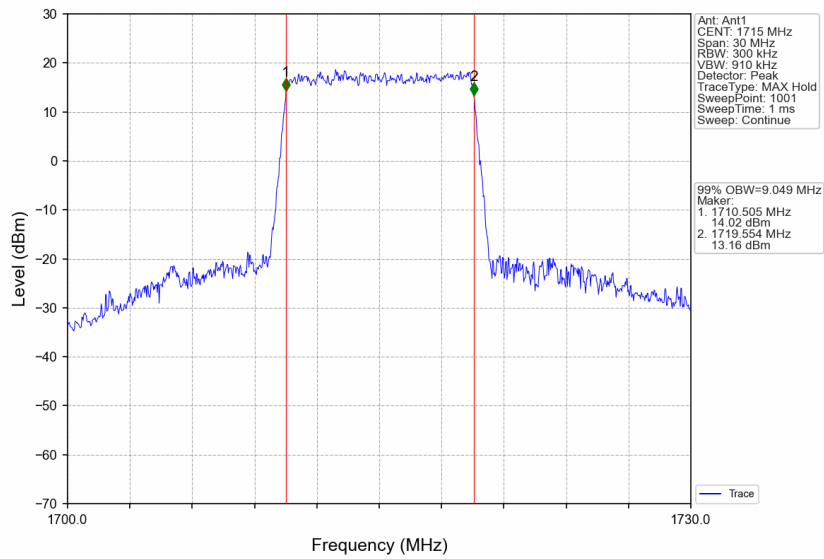
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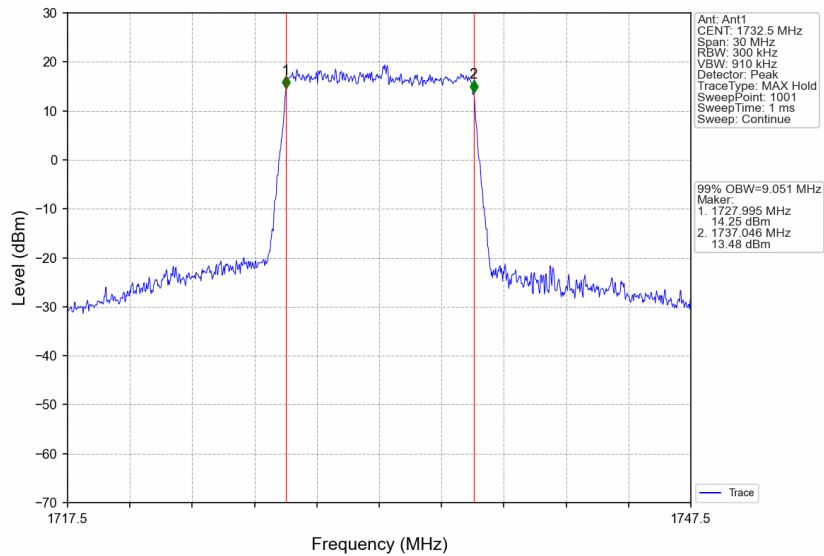
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Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



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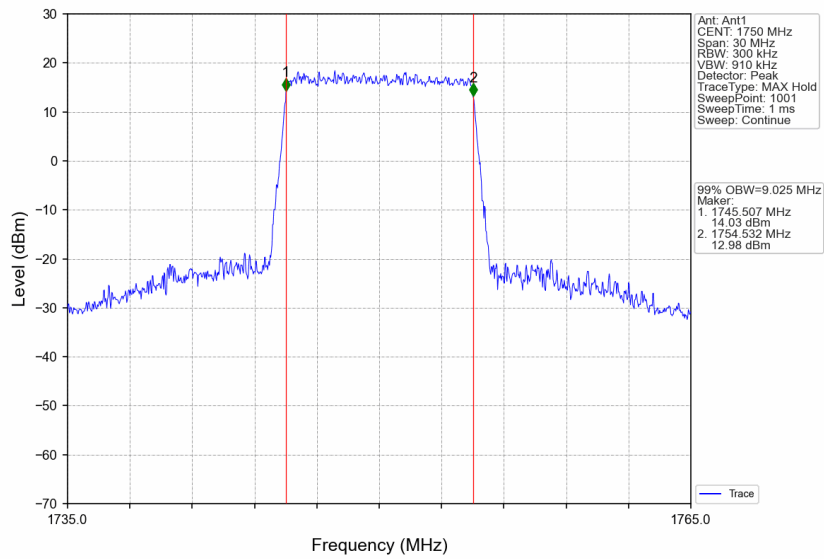
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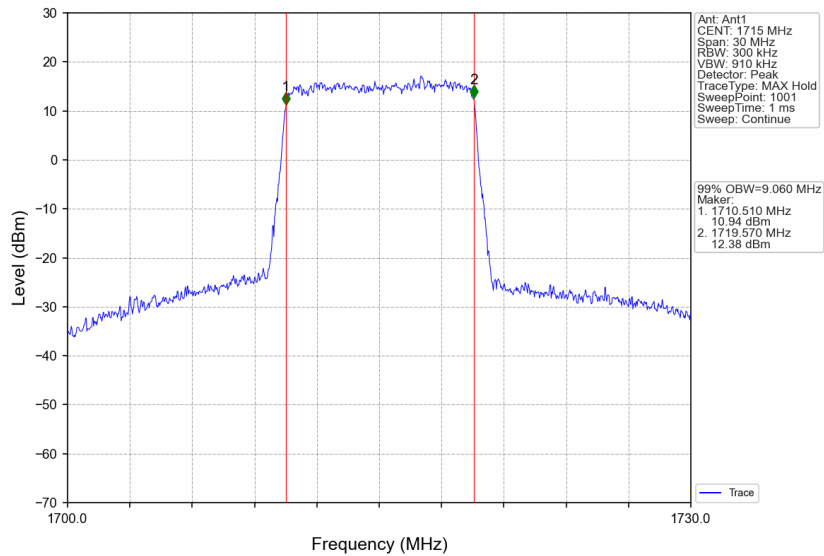
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Band4_10MHz_256QAM_LCH_1715MHz_RB_50_0_NTNV

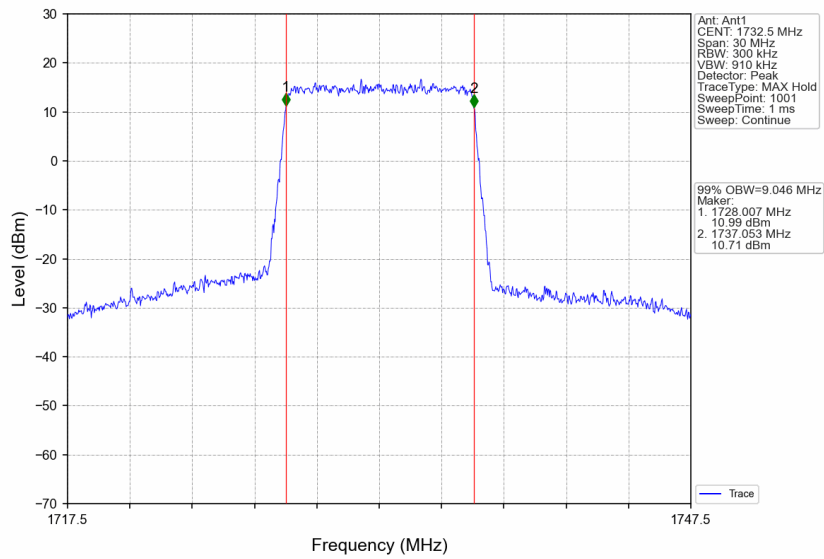


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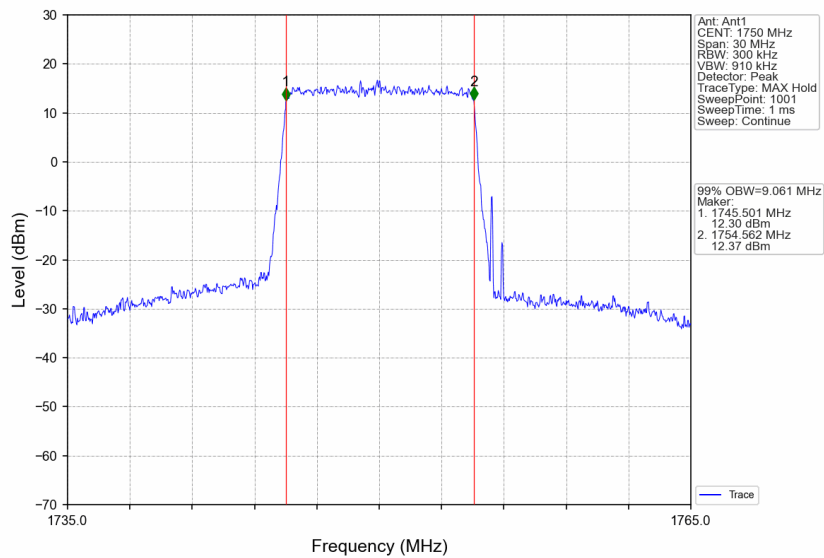
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Band4_10MHz_256QAM_HCH_1750MHz_RB_50_0_NTNV



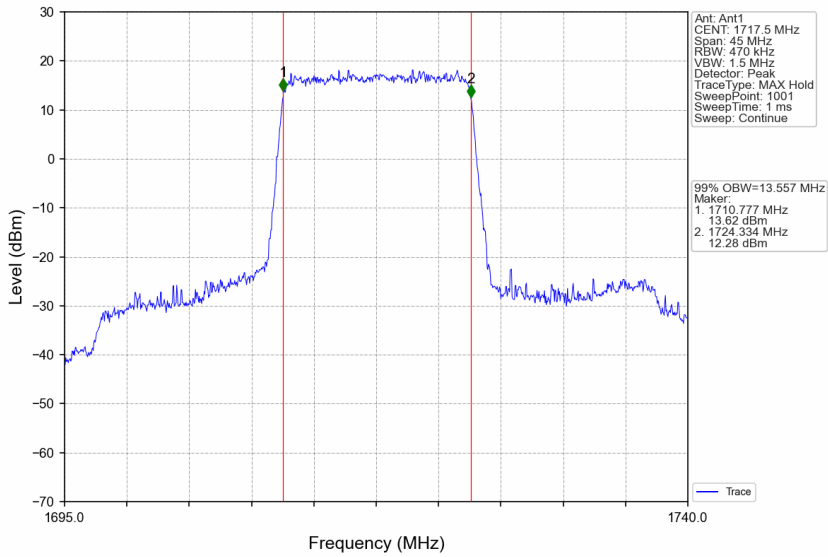
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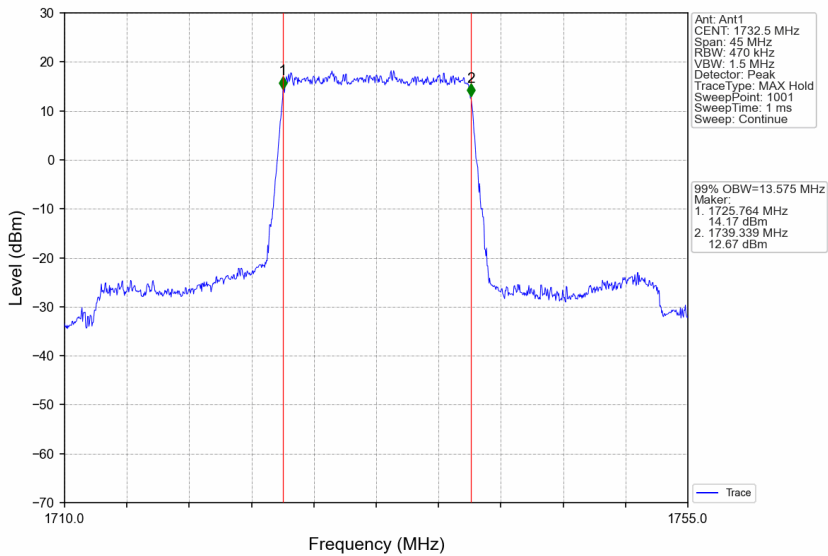
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Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



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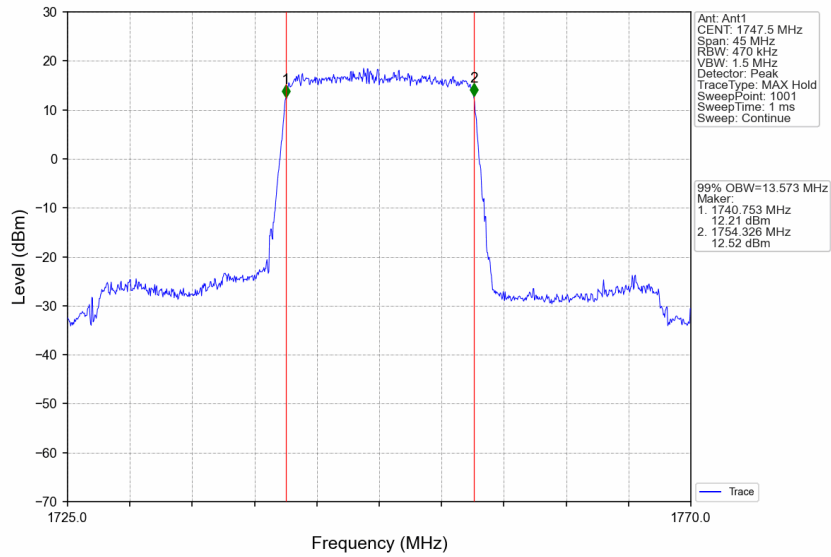
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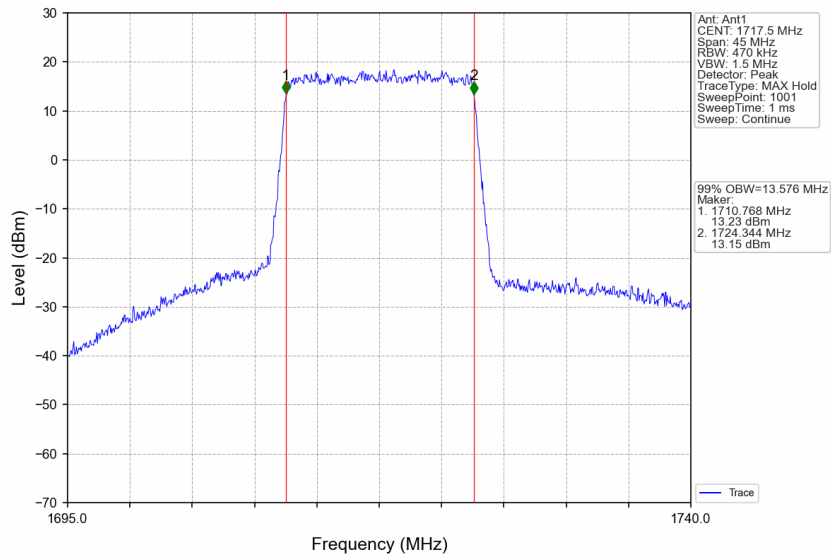
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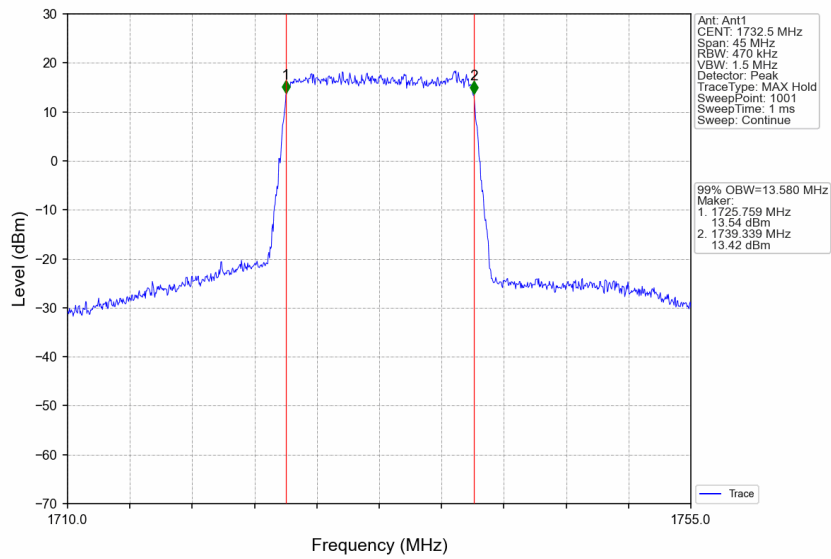


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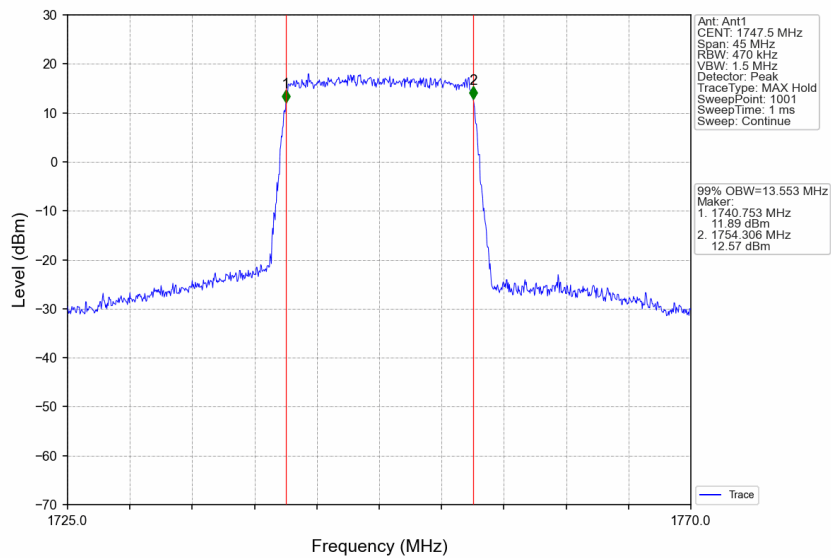
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