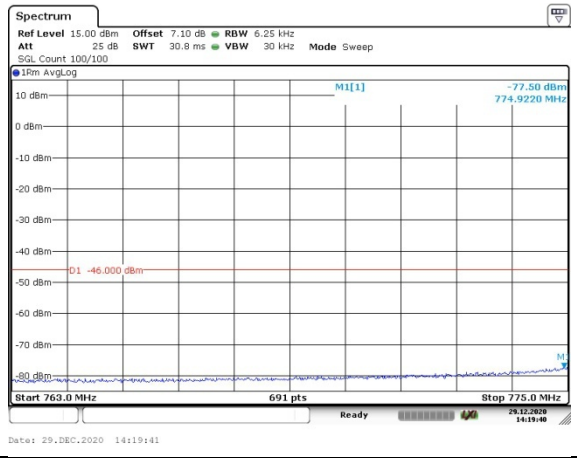

Fig.5

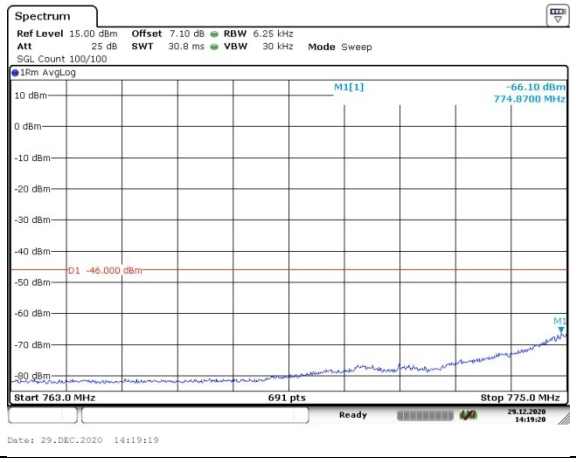

Fig.6

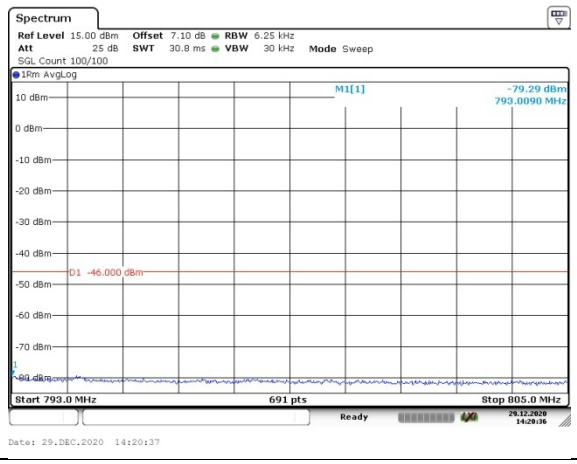

Fig.7

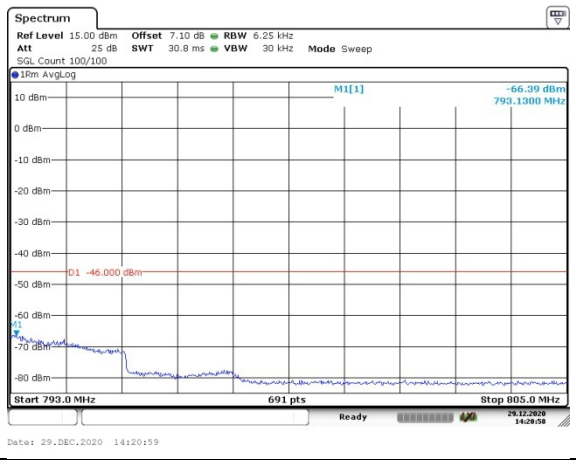

Fig.8

8 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band13 Low Channel QPSK	
		5M	10M
-20	NV	0.004	0.002
-10	NV	0.006	0.004
0	NV	0.010	0.000
+10	NV	0.011	0.012
+20	NV	0.000	0.000
+30	NV	0.004	0.003
+40	NV	0.005	0.008
+50	NV	0.007	0.002
+55	NV	0.003	0.004
+20	LV	0.005	0.000
+20	HV	0.009	0.003

Temperature(°C)	Voltage	Test Result (ppm) Band13 High Channel QPSK	
		5M	10M
-20	NV	0.010	0.005
-10	NV	0.005	0.002
0	NV	0.010	0.009
+10	NV	0.004	0.004
+20	NV	0.000	0.000
+30	NV	0.001	0.011
+40	NV	0.009	0.003
+50	NV	0.012	0.010
+55	NV	0.007	0.008
+20	LV	0.007	0.003
+20	HV	0.009	0.004

9 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	779.5	23205	5	1	0	23.19	22.04	0.160
				1	12	23.23	22.08	0.161
				1	24	23.21	22.06	0.161
				12	0	22.42	21.27	0.134
				12	7	22.48	21.33	0.136
				12	13	22.43	21.28	0.134
				25	0	22.40	21.25	0.133
	782	23230		1	0	23.29	22.14	0.164
				1	12	23.28	22.13	0.163
				1	24	23.17	22.02	0.159
				12	0	22.33	21.18	0.131
				12	7	22.32	21.17	0.131
				12	13	22.32	21.17	0.131
				25	0	22.33	21.18	0.131
	784.5	23255		1	0	23.25	22.10	0.162
				1	12	23.21	22.06	0.161
				1	24	23.23	22.08	0.161
				12	0	22.42	21.27	0.134
				12	7	22.34	21.19	0.132
				12	13	22.34	21.19	0.132
				25	0	22.41	21.26	0.134
16QAM	779.5	23205		1	0	22.38	21.23	0.133
				1	12	22.55	21.40	0.138
				1	24	22.44	21.29	0.135
				12	0	21.39	20.24	0.106
				12	7	21.42	20.27	0.106
				12	13	21.42	20.27	0.106
				25	0	21.43	20.28	0.107
	782	23230		1	0	22.15	21.00	0.126
				1	12	22.28	21.13	0.130
				1	24	22.49	21.34	0.136
				12	0	21.37	20.22	0.105
				12	7	21.32	20.17	0.104
				12	13	21.38	20.23	0.105
				25	0	21.45	20.30	0.107
	784.5	23255		1	0	22.25	21.10	0.129
				1	12	22.39	21.24	0.133
				1	24	22.41	21.26	0.134
				12	0	21.43	20.28	0.107
				12	7	21.34	20.19	0.104
				12	13	21.34	20.19	0.104
				25	0	21.50	20.35	0.108

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	779.5	23205	5	1	0	21.48	20.33	0.108
				1	12	21.44	20.29	0.107
				1	24	21.50	20.35	0.108
				12	0	21.47	20.32	0.108
				12	7	21.47	20.32	0.108
				12	13	21.53	20.38	0.109
				25	0	21.52	20.37	0.109
	782	23230		1	0	21.41	20.26	0.106
				1	12	21.40	20.25	0.106
				1	24	21.52	20.37	0.109
				12	0	21.43	20.28	0.107
				12	7	21.42	20.27	0.106
				12	13	21.44	20.29	0.107
				25	0	21.47	20.32	0.108
	784.5	23255		1	0	21.52	20.37	0.109
				1	12	21.41	20.26	0.106
				1	24	21.51	20.36	0.109
				12	0	21.51	20.36	0.109
				12	7	21.47	20.32	0.108
				12	13	21.51	20.36	0.109
				25	0	21.50	20.35	0.108

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	782	23230	10	1	0	23.25	21.10	0.129
				1	25	23.30	21.15	0.130
				1	49	23.19	21.04	0.127
				25	0	22.35	20.20	0.105
				25	12	22.41	20.26	0.106
				25	25	22.40	20.25	0.106
				50	0	22.30	20.15	0.104
16QAM				1	0	22.87	20.72	0.118
				1	25	22.88	20.73	0.118
				1	49	22.91	20.76	0.119
				25	0	21.48	19.33	0.086
				25	12	21.44	19.29	0.085
				25	25	21.48	19.33	0.086
				50	0	21.38	19.23	0.084
64QAM				1	0	21.37	19.22	0.084
				1	25	21.39	19.24	0.084
				1	49	21.43	19.28	0.085
				25	0	21.44	19.29	0.085
				25	12	21.46	19.31	0.085
				25	25	21.41	19.26	0.084
				50	0	21.46	19.31	0.085

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	782	23230	10	1	0	23.25	21.10	0.129
				1	25	23.30	21.15	0.130
				1	49	23.19	21.04	0.127
				25	0	22.35	20.20	0.105
				25	12	22.41	20.26	0.106
				25	25	22.40	20.25	0.106
				50	0	22.30	20.15	0.104
16QAM				1	0	22.87	20.72	0.118
				1	25	22.88	20.73	0.118
				1	49	22.91	20.76	0.119
				25	0	21.48	19.33	0.086
				25	12	21.44	19.29	0.085
				25	25	21.48	19.33	0.086
				50	0	21.38	19.23	0.084
64QAM				1	0	21.37	19.22	0.084
				1	25	21.39	19.24	0.084
				1	49	21.43	19.28	0.085
				25	0	21.44	19.29	0.085
				25	12	21.46	19.31	0.085
				25	25	21.41	19.26	0.084
				50	0	21.46	19.31	0.085