

Fig.61

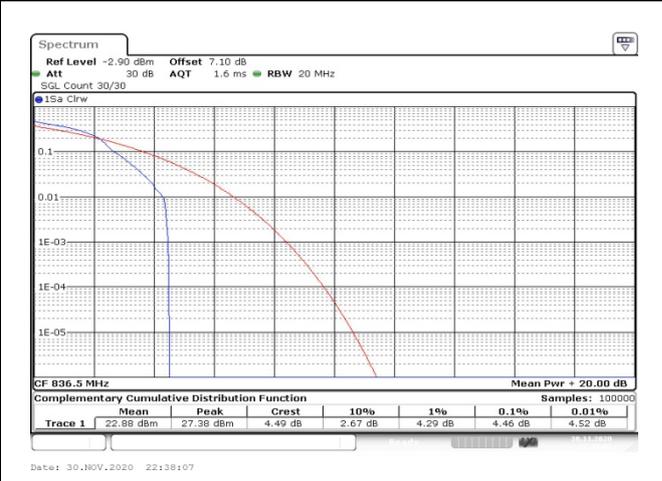


Fig.62

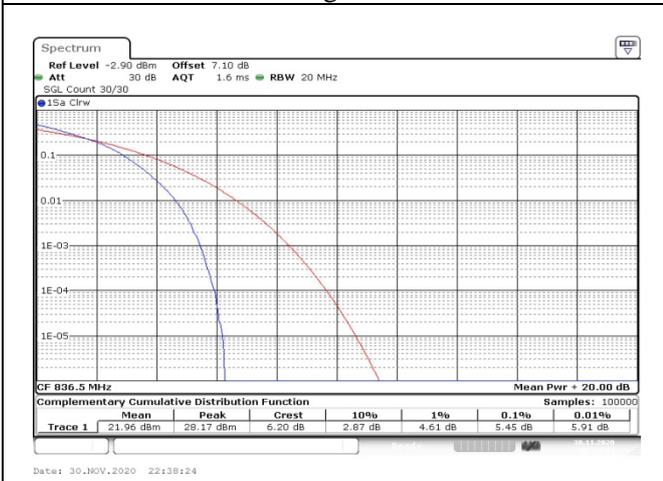


Fig.63

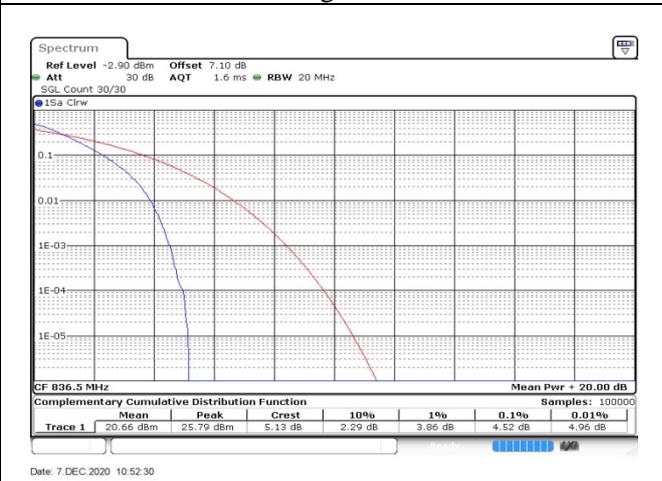


Fig.64

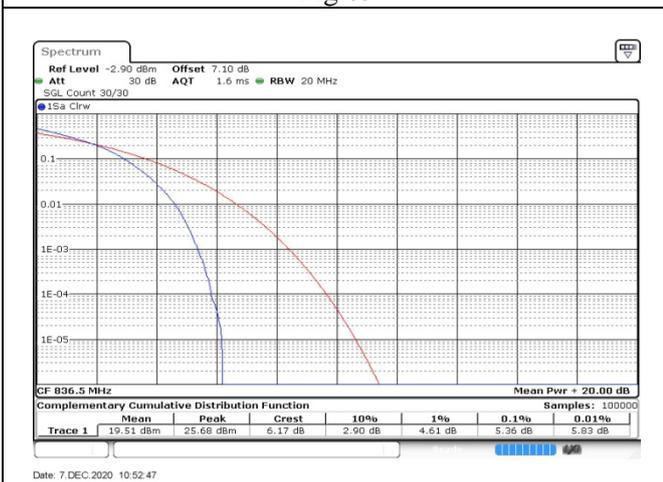


Fig.65

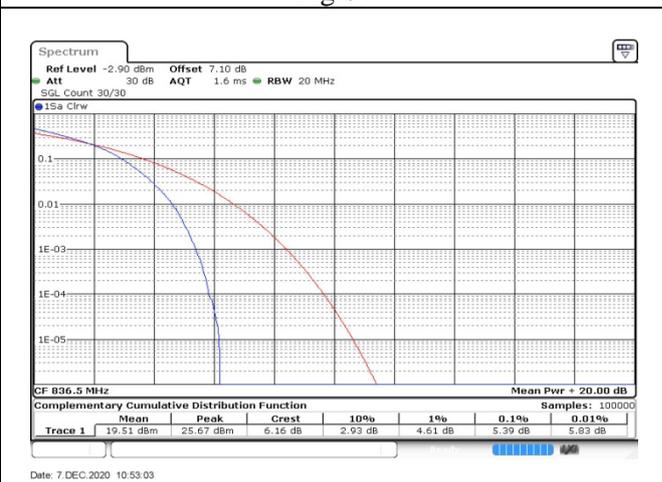


Fig.66



Fig.67

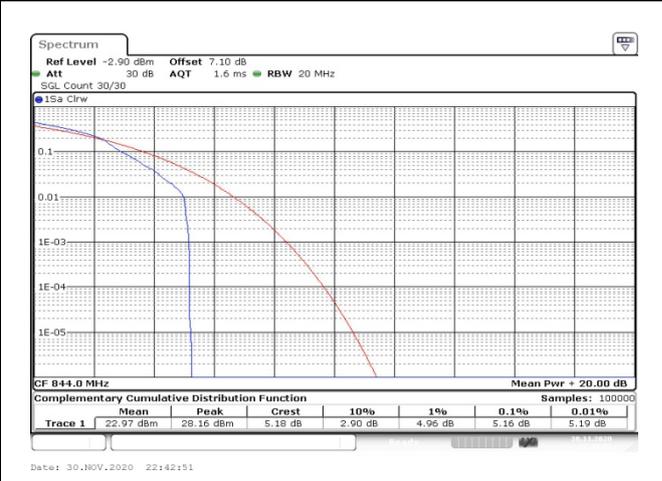


Fig.68

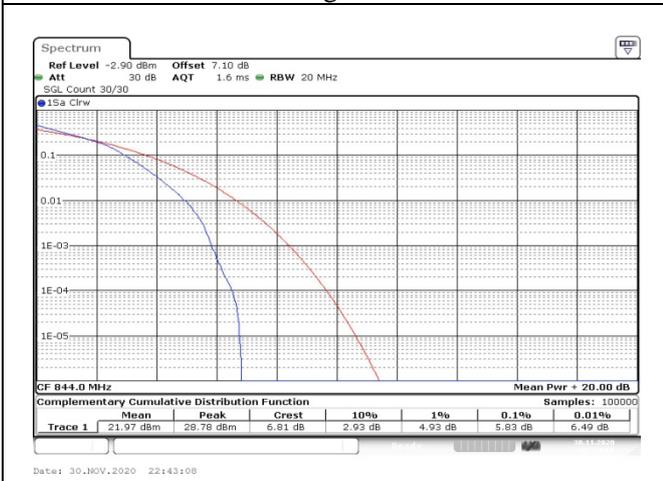


Fig.69

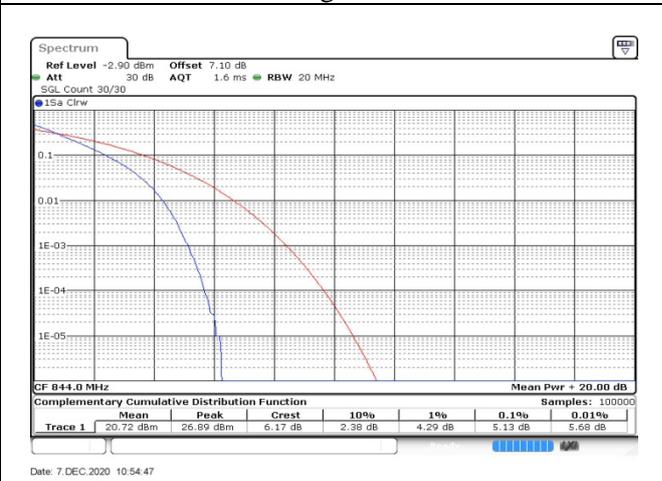


Fig.70

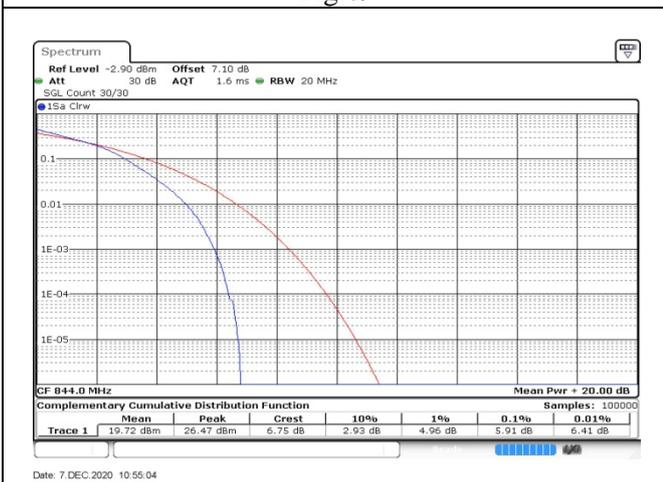


Fig.71

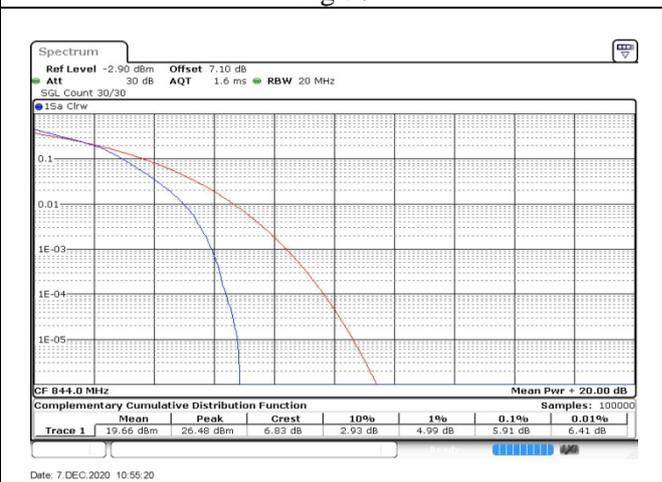


Fig.72

### 5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
5	829	20450	10	1	99	Fig.1
	836.5	20525		1	99	Fig.2
	844	20600		1	99	Fig.3

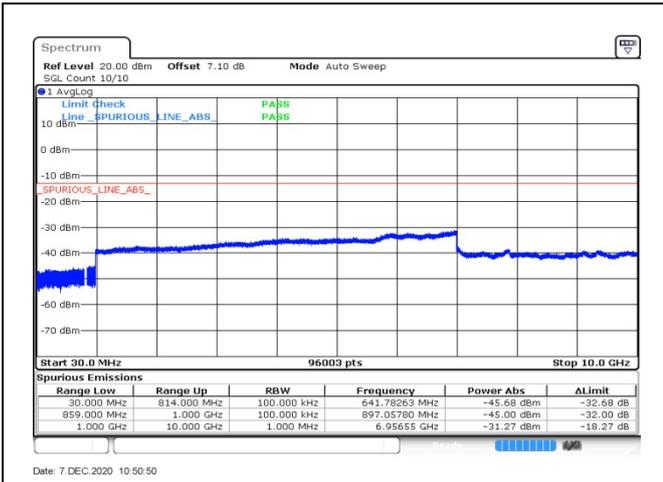


Fig.1

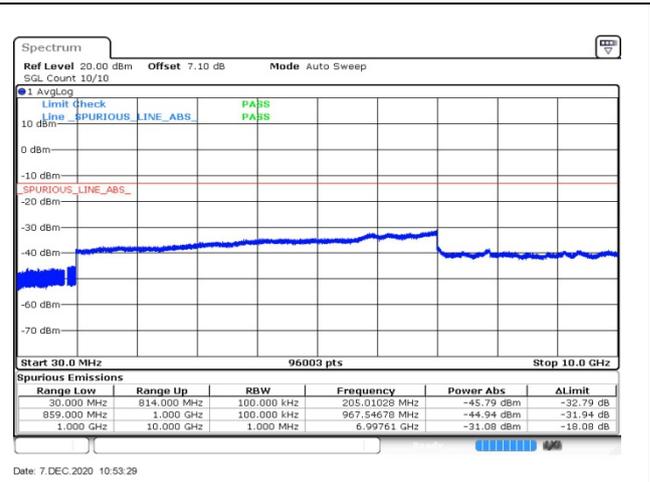


Fig.2

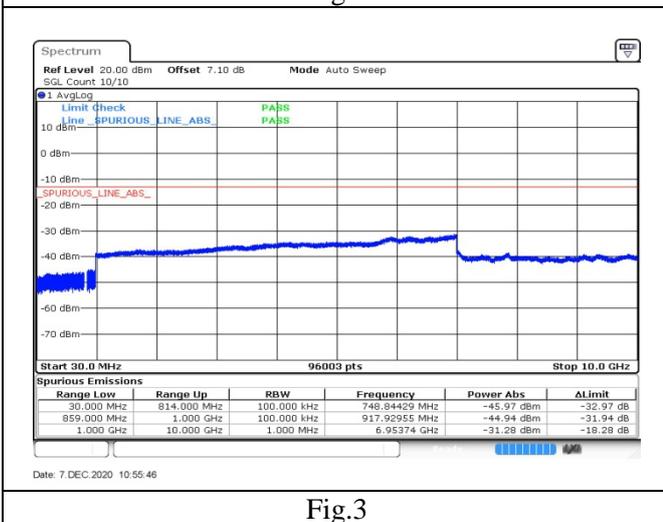


Fig.3

**6 Band Edges Compliance**

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
5	824.7	20407	1.4	1	0	Fig.1
				6	0	Fig.2
	1	5		Fig.3		
	6	0		Fig.4		
	848.3	20643	3	1	0	Fig.5
				15	0	Fig.6
	1	14		Fig.7		
	15	0		Fig.8		
	825.5	20415	5	1	0	Fig.9
				25	0	Fig.10
	1	24		Fig.11		
	25	0		Fig.12		
	847.5	20635	10	1	0	Fig.13
				50	0	Fig.14
	1	49		Fig.15		
	50	0		Fig.16		
826.5	20425	10	1	0	Fig.13	
			50	0	Fig.14	
846.5	20625	10	1	49	Fig.15	
			50	0	Fig.16	
829	20450	10	1	0	Fig.13	
			50	0	Fig.14	
844	20600	10	1	49	Fig.15	
			50	0	Fig.16	

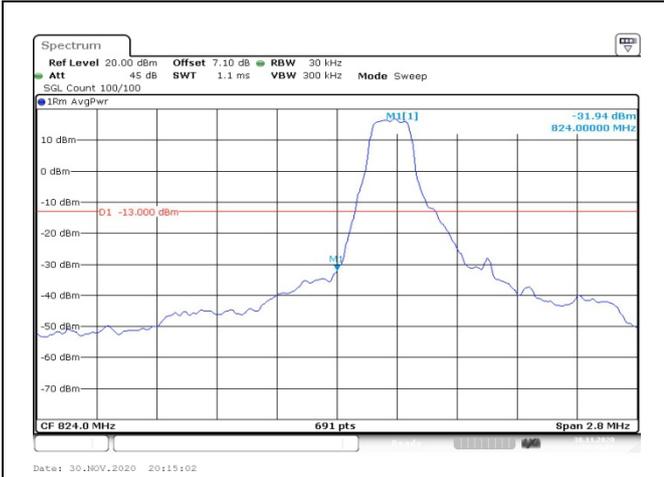


Fig.1

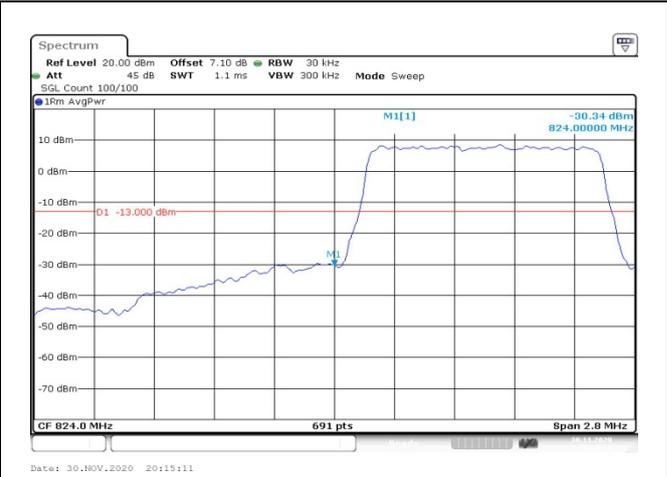


Fig.2

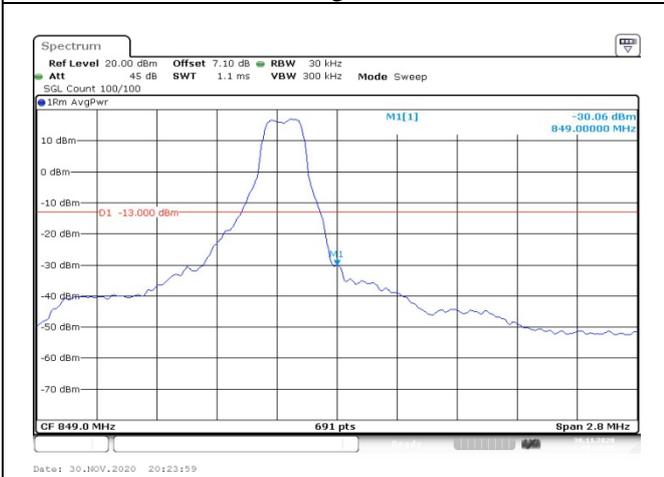


Fig.3

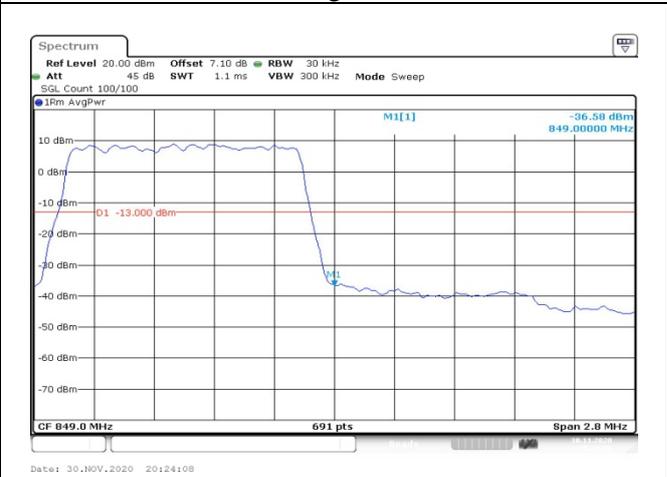


Fig.4

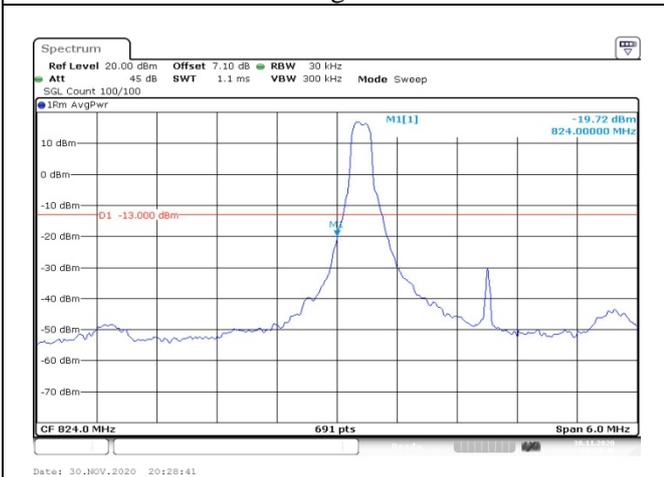


Fig.5

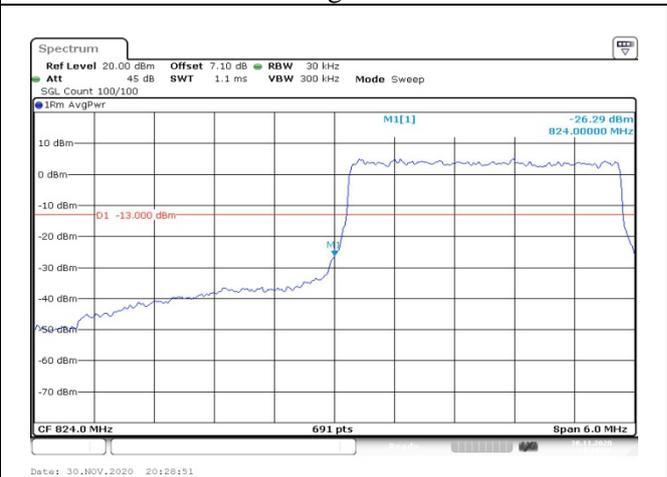


Fig.6

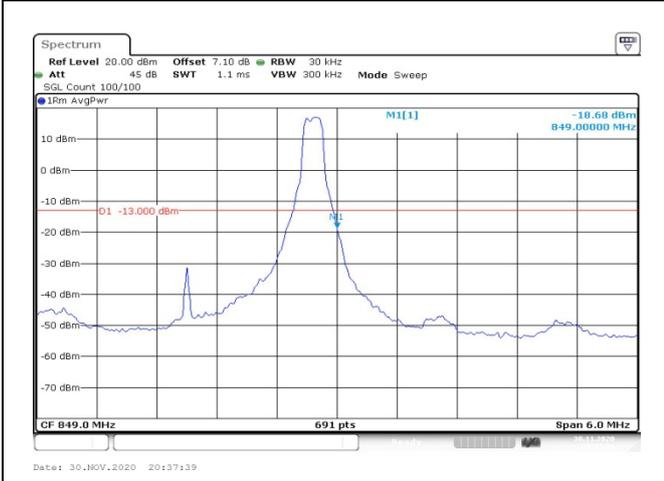


Fig.7

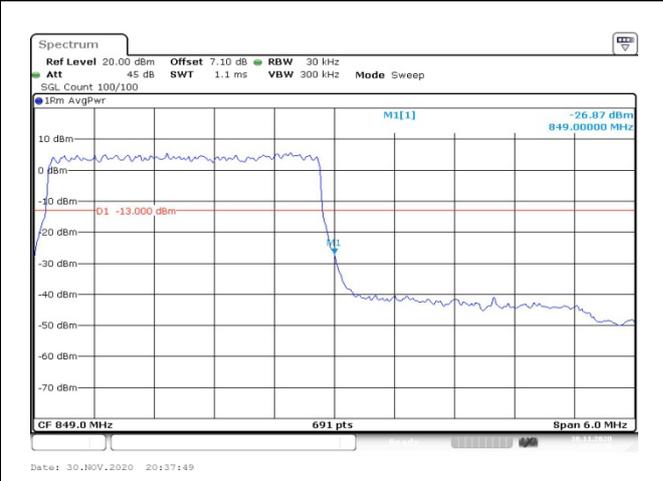


Fig.8

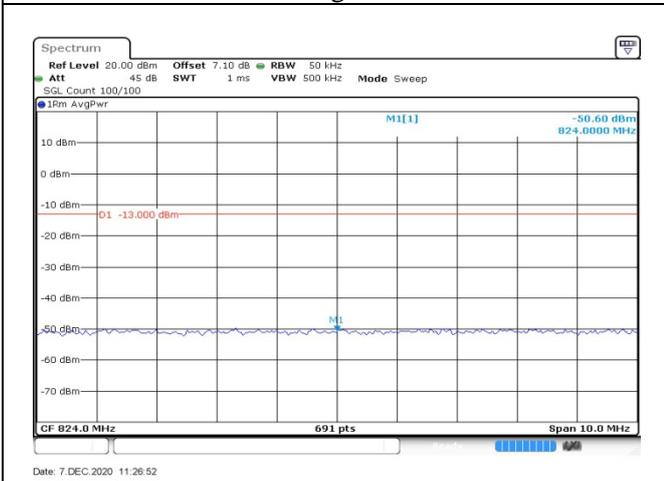


Fig.9

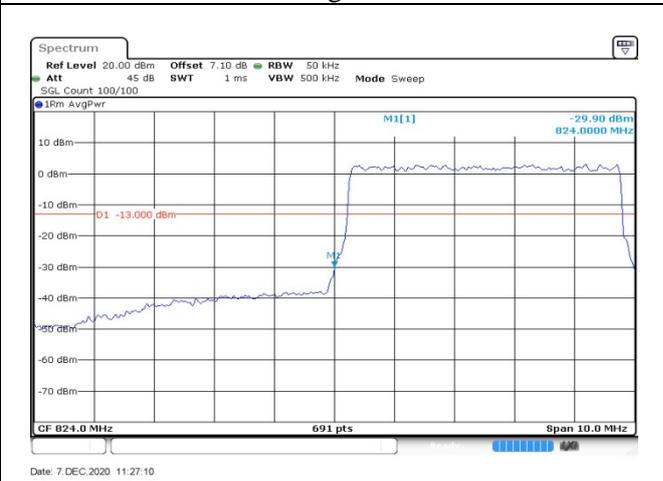


Fig.10

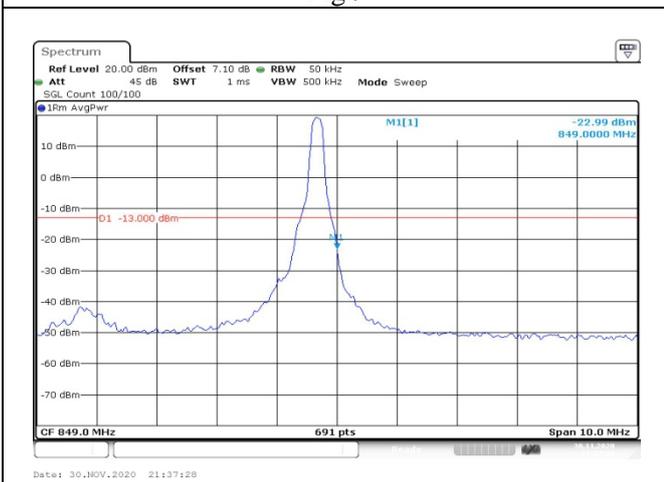


Fig.11

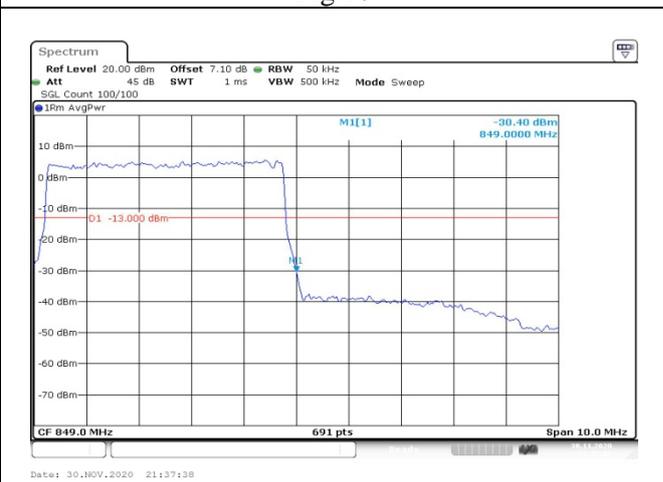


Fig.12

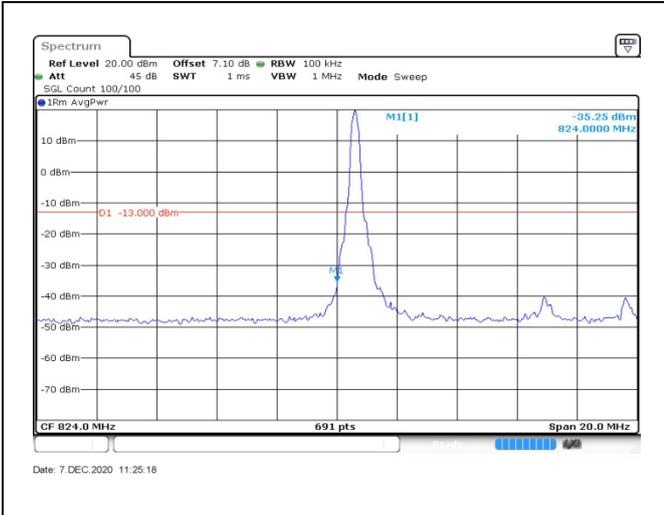


Fig.13

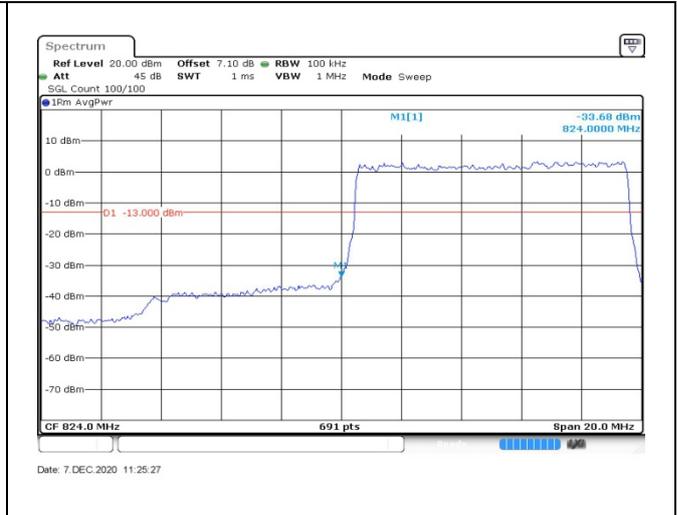


Fig.14

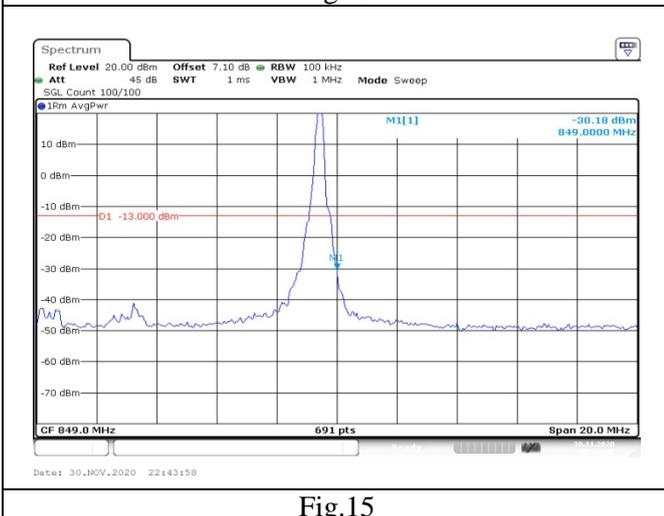


Fig.15

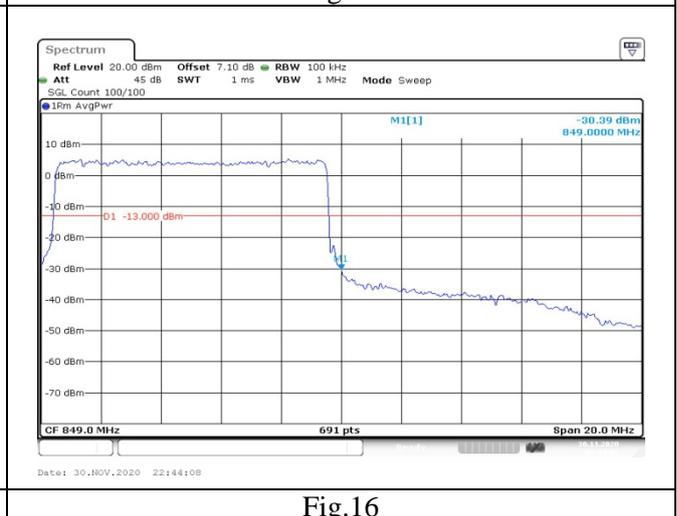


Fig.16

### 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	-0.003	0.000	-0.006	-0.001
-10	NV	-0.008	0.004	0.009	0.000
0	NV	0.001	-0.004	0.009	0.012
+10	NV	0.010	-0.008	0.002	0.001
+20	NV	0.000	0.000	0.000	0.000
+30	NV	-0.003	-0.005	0.003	0.003
+40	NV	0.012	-0.004	0.002	0.010
+50	NV	0.009	-0.006	-0.020	0.005
+60	NV	0.007	-0.003	0.000	0.009
+20	LV	0.007	-0.007	0.006	0.007
+20	HV	0.012	0.001	-0.007	0.004

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	-0.020	0.005	0.003	0.005
-10	NV	-0.024	-0.002	0.003	0.003
0	NV	-0.001	0.002	0.010	0.002
+10	NV	-0.006	0.000	0.006	0.007
+20	NV	0.000	0.000	0.000	0.000
+30	NV	-0.025	0.005	0.005	0.009
+40	NV	-0.022	0.003	0.002	0.001
+50	NV	-0.004	0.001	0.007	0.003
+60	NV	-0.003	0.003	0.008	0.008
+20	LV	-0.006	0.004	0.009	0.000
+20	HV	-0.007	0.004	0.004	0.004

### 8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)		
QPSK	824.7	20407	1.4	1	0	22.68	21.03	0.127		
				1	3	22.82	21.17	0.131		
				1	5	22.81	21.16	0.131		
				3	0	22.70	21.05	0.127		
				3	1	22.80	21.15	0.130		
				3	3	22.72	21.07	0.128		
	836.5	20525		6	0	21.85	20.20	0.105		
				1	0	22.83	21.18	0.131		
				1	3	22.98	21.33	0.136		
				1	5	22.99	21.34	0.136		
				3	0	22.66	21.01	0.126		
				3	1	22.69	21.04	0.127		
				3	3	22.81	21.16	0.131		
				6	0	21.96	20.31	0.107		
				848.3	20643	1	0	22.92	21.27	0.134
						1	3	23.02	21.37	0.137
						1	5	23.01	21.36	0.137
						3	0	22.97	21.32	0.136
	3	1				22.99	21.34	0.136		
	3	3				22.96	21.31	0.135		
	16QAM	824.7		20407	6	0	22.00	20.35	0.108	
1			0		21.85	20.20	0.105			
1			3		21.96	20.31	0.107			
1			5		21.97	20.32	0.108			
3			0		21.74	20.09	0.102			
3			1		21.90	20.25	0.106			
836.5		20525	3	3	21.83	20.18	0.104			
			6	0	20.77	19.12	0.082			
			1	0	21.78	20.13	0.103			
			1	3	21.94	20.29	0.107			
			1	5	21.93	20.28	0.107			
			3	0	21.92	20.27	0.106			
			3	1	21.99	20.34	0.108			
			3	3	22.06	20.41	0.110			
			6	0	20.84	19.19	0.083			
			848.3	20643	1	0	22.13	20.48	0.112	
					1	3	22.15	20.50	0.112	
					1	5	22.15	20.50	0.112	
3		0			22.01	20.36	0.109			
3		1			21.97	20.32	0.108			
3		3			21.93	20.28	0.107			
6	0	21.09	19.44	0.088						

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
64QAM	824.7	20407	1.4	1	0	20.78	19.13	0.082	
				1	3	20.75	19.10	0.081	
				1	5	20.71	19.06	0.081	
				3	0	20.77	19.12	0.082	
				3	1	20.71	19.06	0.081	
				3	3	20.71	19.06	0.081	
	836.5	20525		6	0	20.68	19.03	0.080	
				1	0	20.85	19.20	0.083	
				1	3	20.89	19.24	0.084	
				1	5	20.86	19.21	0.083	
				3	0	20.89	19.24	0.084	
				3	1	20.92	19.27	0.085	
	848.3	20643		3	3	20.84	19.19	0.083	
				6	0	20.92	19.27	0.085	
				1	0	21.09	19.44	0.088	
				1	3	21.10	19.45	0.088	
				1	5	21.09	19.44	0.088	
				3	0	21.10	19.45	0.088	
					3	1	21.11	19.46	0.088
					3	3	21.10	19.45	0.088
					6	0	21.10	19.45	0.088

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
QPSK	825.5	20415	3	1	0	22.73	21.08	0.128
				1	8	22.82	21.17	0.131
				1	14	22.81	21.16	0.131
				8	0	21.92	20.27	0.106
				8	4	21.93	20.28	0.107
				8	7	22.00	20.35	0.108
	15	0		21.92	20.27	0.106		
	1	0		22.85	21.20	0.132		
	1	8		23.10	21.45	0.140		
	1	14		23.12	21.47	0.140		
	8	0		21.91	20.26	0.106		
	8	4		22.12	20.47	0.111		
	8	7		22.07	20.42	0.110		
	15	0		21.92	20.27	0.106		
	1	0		22.86	21.21	0.132		
	1	8		23.02	21.37	0.137		
	1	14		23.04	21.39	0.138		
	8	0		22.03	20.38	0.109		
8	4	22.13	20.48	0.112				
8	7	22.12	20.47	0.111				
15	0	22.02	20.37	0.109				
16QAM	825.5	20415	3	1	0	22.27	20.62	0.115
				1	8	22.50	20.85	0.122
				1	14	22.48	20.83	0.121
				8	0	21.07	19.42	0.087
				8	4	21.09	19.44	0.088
				8	7	21.10	19.45	0.088
	15	0		21.00	19.35	0.086		
	1	0		21.94	20.29	0.107		
	1	8		22.11	20.46	0.111		
	1	14		22.12	20.47	0.111		
	8	0		20.87	19.22	0.084		
	8	4		21.01	19.36	0.086		
	8	7		21.01	19.36	0.086		
	15	0		20.82	19.17	0.083		
	1	0		22.05	20.40	0.110		
	1	8		22.19	20.54	0.113		
	1	14		22.26	20.61	0.115		
	8	0		21.08	19.43	0.088		
8	4	21.14	19.49	0.089				
8	7	21.20	19.55	0.090				
15	0	21.14	19.49	0.089				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	825.5	20415	3	1	0	20.99	19.34	0.086
				1	8	21.01	19.36	0.086
				1	14	20.91	19.26	0.084
				8	0	20.97	19.32	0.086
				8	4	20.94	19.29	0.085
				8	7	21.01	19.36	0.086
				15	0	21.02	19.37	0.086
	836.5	20525		1	0	20.80	19.15	0.082
				1	8	20.81	19.16	0.082
				1	14	20.79	19.14	0.082
				8	0	20.85	19.20	0.083
				8	4	20.80	19.15	0.082
				8	7	20.82	19.17	0.083
				15	0	20.81	19.16	0.082
	847.5	20635		1	0	21.14	19.49	0.089
				1	8	21.12	19.47	0.089
				1	14	21.13	19.48	0.089
				8	0	21.13	19.48	0.089
				8	4	21.12	19.47	0.089
				8	7	21.13	19.48	0.089
				15	0	21.11	19.46	0.088

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	826.5	20425	5	1	0	22.78	21.13	0.130
				1	12	22.73	21.08	0.128
				1	24	22.78	21.13	0.130
				12	0	21.75	20.10	0.102
				12	7	21.88	20.23	0.105
				12	13	21.84	20.19	0.104
				25	0	21.80	20.15	0.104
	836.5	20525		1	0	22.80	21.15	0.130
				1	12	22.94	21.29	0.135
				1	24	22.89	21.24	0.133
				12	0	21.90	20.25	0.106
				12	7	22.04	20.39	0.109
				12	13	22.04	20.39	0.109
				25	0	21.93	20.28	0.107
	846.5	20625		1	0	22.89	21.24	0.133
				1	12	23.00	21.35	0.136
				1	24	22.97	21.32	0.136
				12	0	21.98	20.33	0.108
				12	7	22.16	20.51	0.112
				12	13	22.09	20.44	0.111
				25	0	22.05	20.40	0.110
16QAM	826.5	20425	1	0	21.97	20.32	0.108	
			1	12	22.15	20.50	0.112	
			1	24	22.13	20.48	0.112	
			12	0	20.78	19.13	0.082	
			12	7	20.93	19.28	0.085	
			12	13	20.94	19.29	0.085	
			25	0	20.81	19.16	0.082	
	836.5	20525	1	0	21.81	20.16	0.104	
			1	12	21.89	20.24	0.106	
			1	24	21.90	20.25	0.106	
			12	0	20.82	19.17	0.083	
			12	7	20.92	19.27	0.085	
			12	13	21.00	19.35	0.086	
			25	0	20.94	19.29	0.085	
	846.5	20625	1	0	22.28	20.63	0.116	
			1	12	22.36	20.71	0.118	
			1	24	22.35	20.70	0.117	
			12	0	21.06	19.41	0.087	
			12	7	21.25	19.60	0.091	
			12	13	21.24	19.59	0.091	
			25	0	21.00	19.35	0.086	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	826.5	20425	5	1	0	20.85	19.20	0.083
				1	12	20.85	19.20	0.083
				1	24	20.83	19.18	0.083
				12	0	20.85	19.20	0.083
				12	7	20.84	19.19	0.083
				12	13	20.82	19.17	0.083
				25	0	20.80	19.15	0.082
	836.5	20525		1	0	20.93	19.28	0.085
				1	12	20.91	19.26	0.084
				1	24	20.93	19.28	0.085
				12	0	20.91	19.26	0.084
				12	7	20.90	19.25	0.084
				12	13	20.95	19.30	0.085
				25	0	20.97	19.32	0.086
	846.5	20625		1	0	21.10	19.45	0.088
				1	12	21.09	19.44	0.088
				1	24	21.08	19.43	0.088
				12	0	21.07	19.42	0.087
				12	7	21.08	19.43	0.088
				12	13	21.07	19.42	0.087
				25	0	21.07	19.42	0.087

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)		
QPSK	829	20450	10	1	0	22.89	21.24	0.133		
				1	25	22.80	21.15	0.130		
				1	49	22.82	21.17	0.131		
				25	0	21.89	20.24	0.106		
				25	12	21.85	20.20	0.105		
				25	25	21.81	20.16	0.104		
	836.5	20525		50	0	21.78	20.13	0.103		
				1	0	22.95	21.30	0.135		
				1	25	22.94	21.29	0.135		
				1	49	22.87	21.22	0.132		
				25	0	21.93	20.28	0.107		
				25	12	21.88	20.23	0.105		
				25	25	21.91	20.26	0.106		
				50	0	21.97	20.32	0.108		
				844	20600	1	0	23.11	21.46	0.140
						1	25	22.91	21.26	0.134
						1	49	22.95	21.30	0.135
						25	0	22.02	20.37	0.109
	25	12				22.01	20.36	0.109		
	25	25				21.99	20.34	0.108		
	16QAM	829		20450	50	0	22.02	20.37	0.109	
1			0		22.06	20.41	0.110			
1			25		21.84	20.19	0.104			
1			49		21.98	20.33	0.108			
25			0		20.96	19.31	0.085			
25			12		20.98	19.33	0.086			
836.5		20525	25	25	21.01	19.36	0.086			
			50	0	20.89	19.24	0.084			
			1	0	21.98	20.33	0.108			
			1	25	22.04	20.39	0.109			
			1	49	22.00	20.35	0.108			
			25	0	21.01	19.36	0.086			
			25	12	20.98	19.33	0.086			
			25	25	20.98	19.33	0.086			
			50	0	20.92	19.27	0.085			
			844	20600	1	0	22.51	20.86	0.122	
					1	25	22.67	21.02	0.126	
					1	49	22.60	20.95	0.124	
25		0			21.00	19.35	0.086			
25		12			21.05	19.40	0.087			
25		25			21.13	19.48	0.089			
50	0	20.98	19.33	0.086						

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)
64QAM	829	20450	10	1	0	20.81	19.16	0.082
				1	25	20.83	19.18	0.083
				1	49	20.89	19.24	0.084
				25	0	20.88	19.23	0.084
				25	12	20.85	19.20	0.083
				25	25	20.84	19.19	0.083
	836.5	20525		50	0	20.88	19.23	0.084
				1	0	21.01	19.36	0.086
				1	25	20.90	19.25	0.084
				1	49	20.89	19.24	0.084
				25	0	20.89	19.24	0.084
				25	12	20.96	19.31	0.085
	844	20600		25	25	20.92	19.27	0.085
				50	0	20.86	19.21	0.083
				1	0	21.00	19.35	0.086
				1	25	21.06	19.41	0.087
				1	49	20.99	19.34	0.086
				25	0	21.00	19.35	0.086
				25	12	20.98	19.33	0.086
				25	25	20.99	19.34	0.086
				50	0	20.99	19.34	0.086