

Fig.31

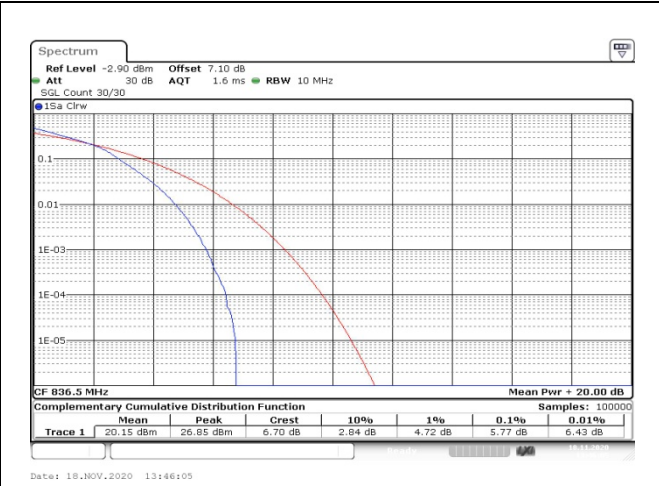


Fig.32

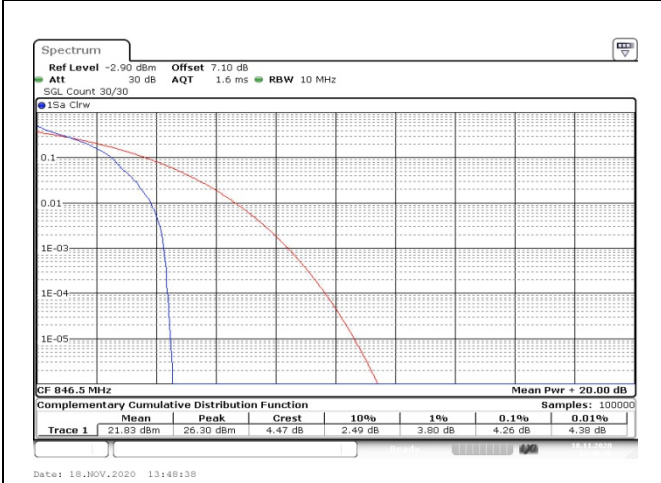


Fig.33

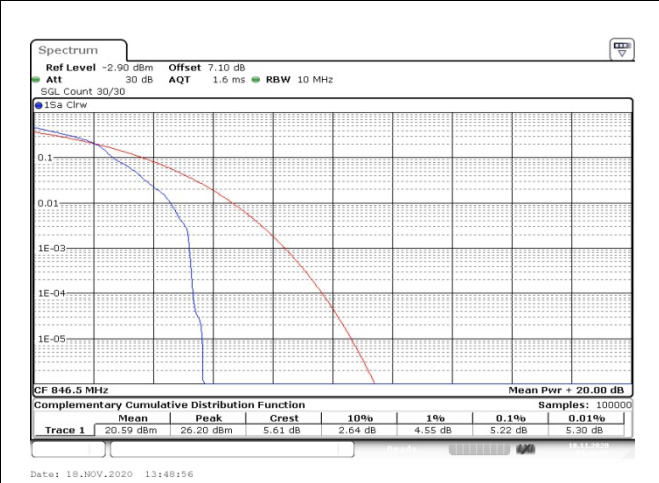


Fig.34

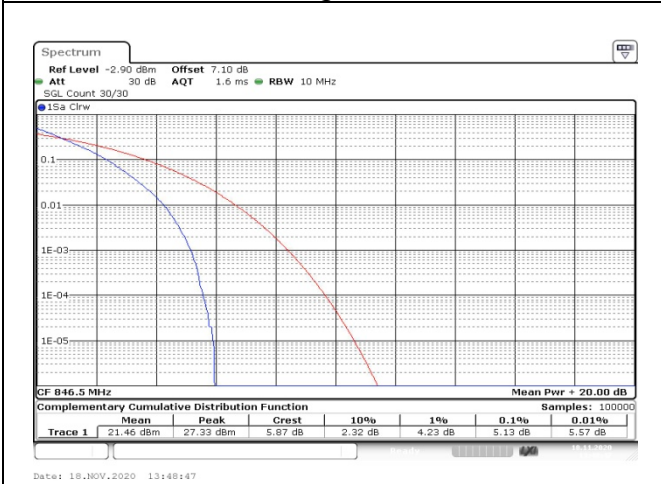


Fig.35



Fig.36

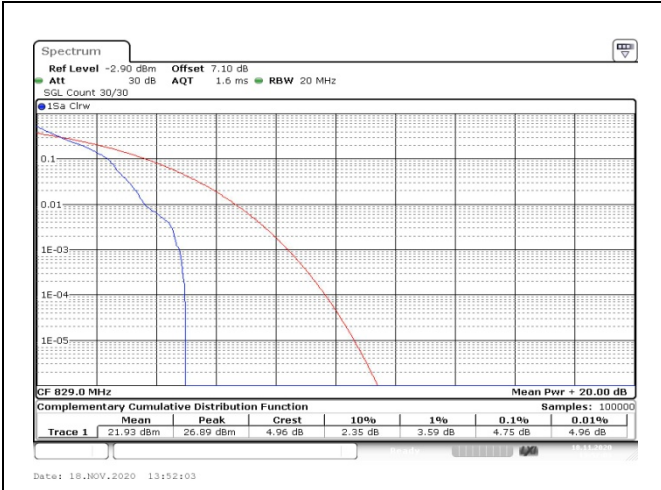


Fig.37

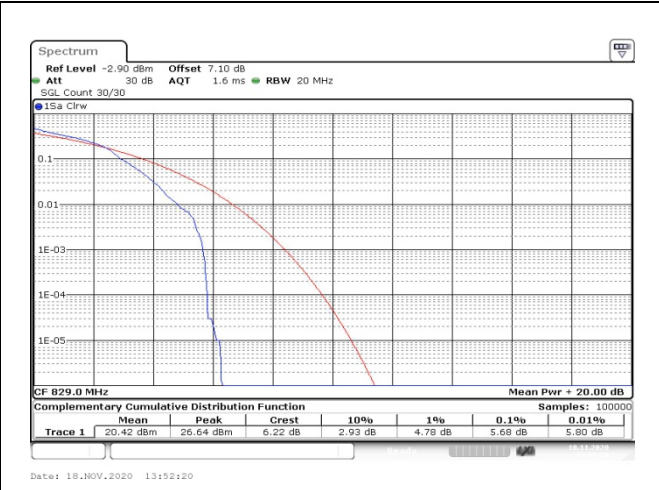


Fig.38

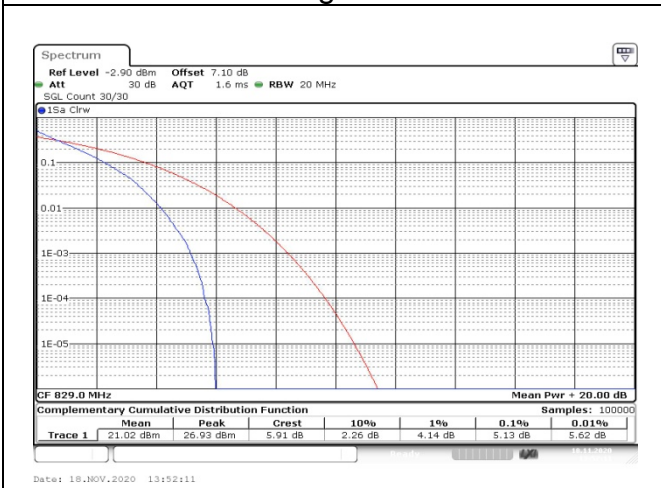


Fig.39

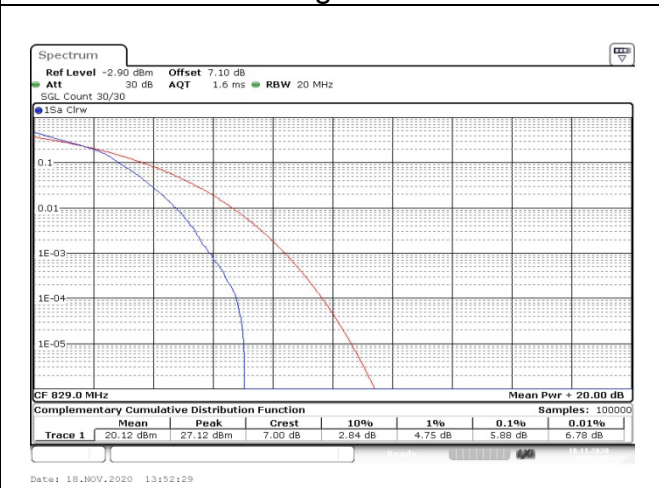


Fig.40

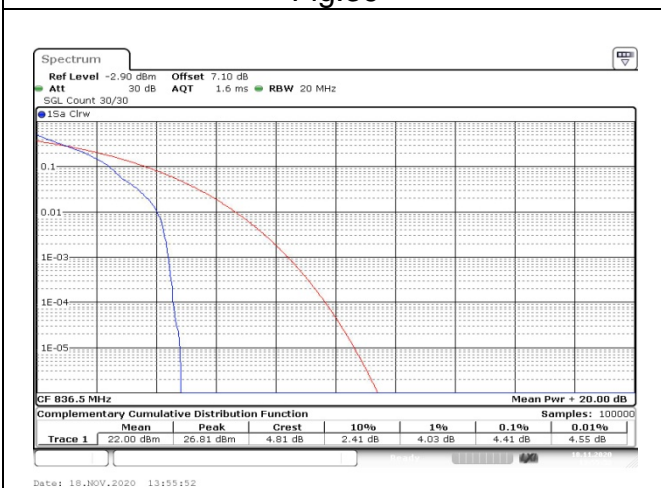


Fig.41

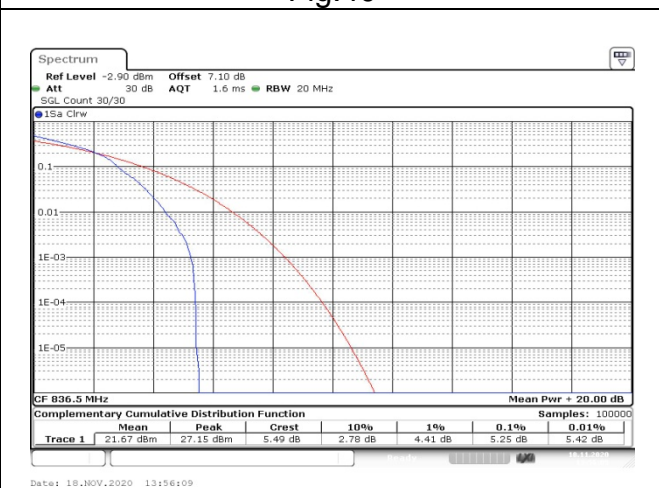


Fig.42

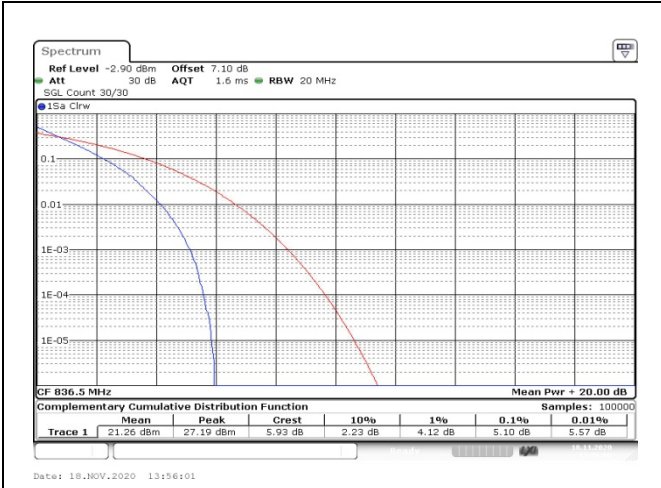


Fig.43

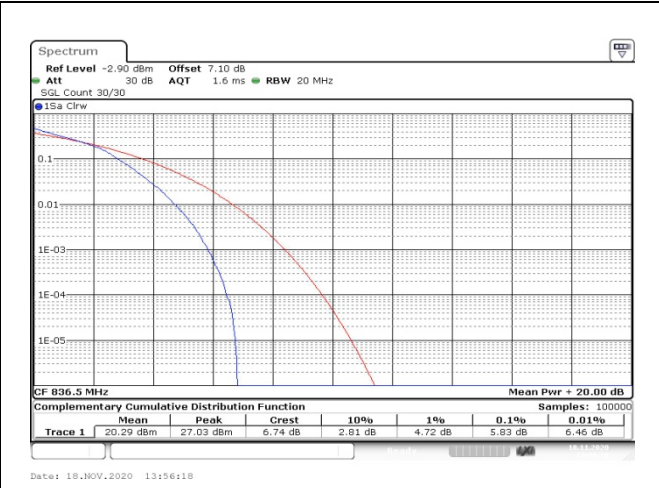


Fig.44

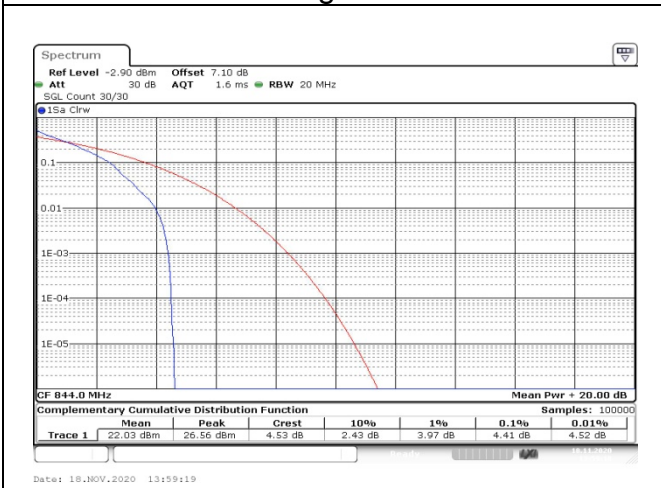


Fig.45

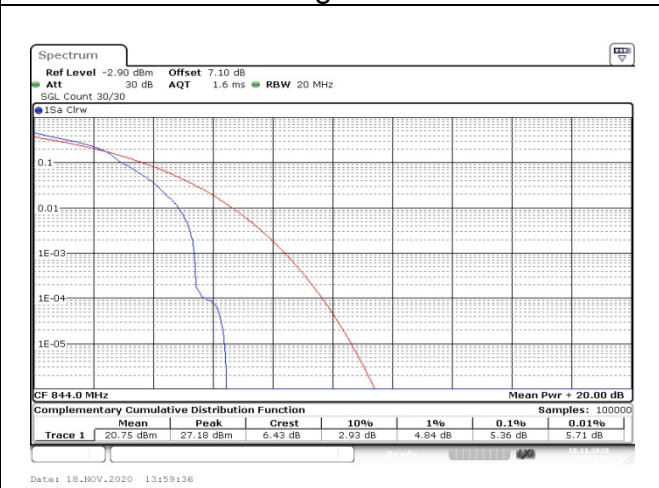


Fig.46

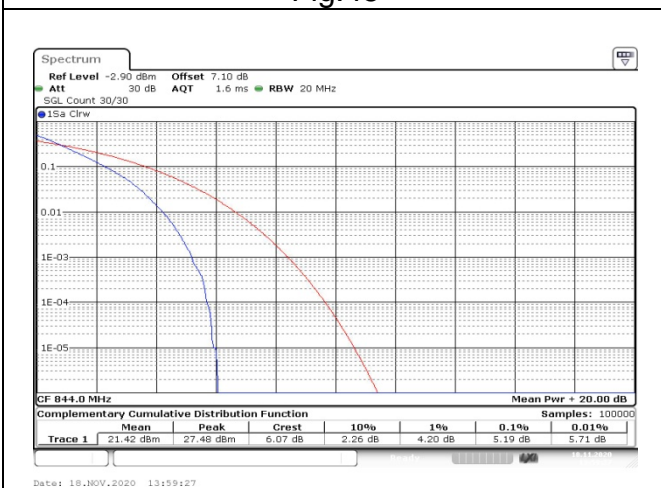


Fig.47

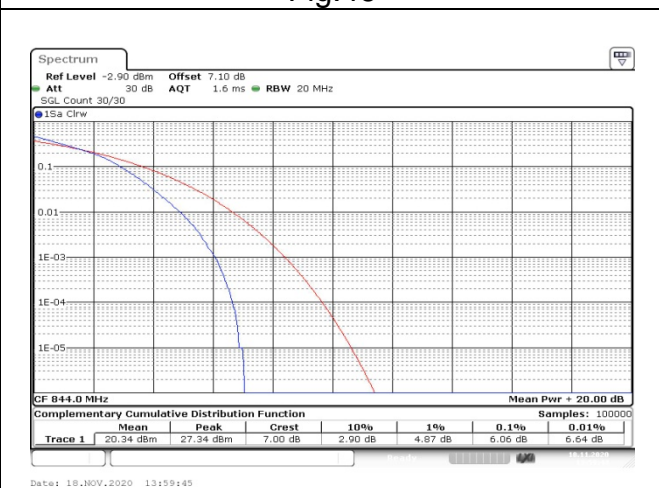


Fig.48

### 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

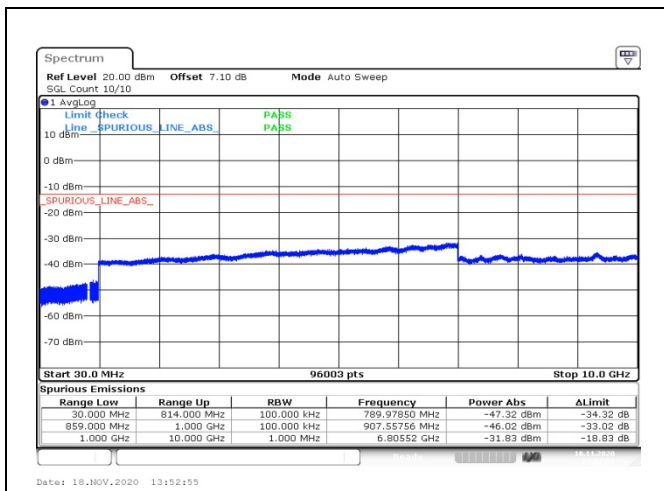


Fig.1

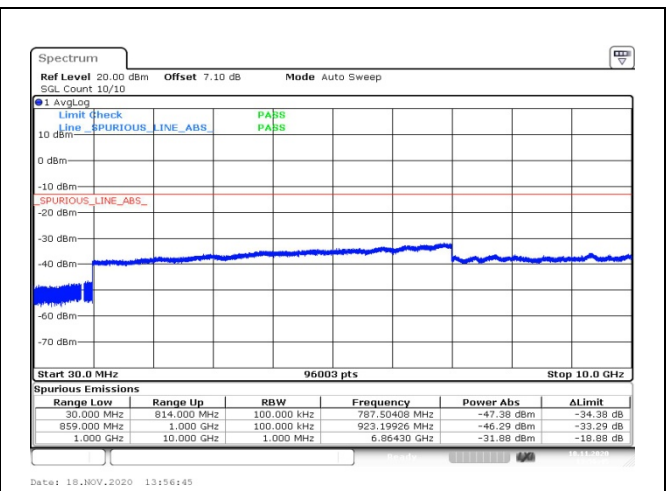


Fig.2

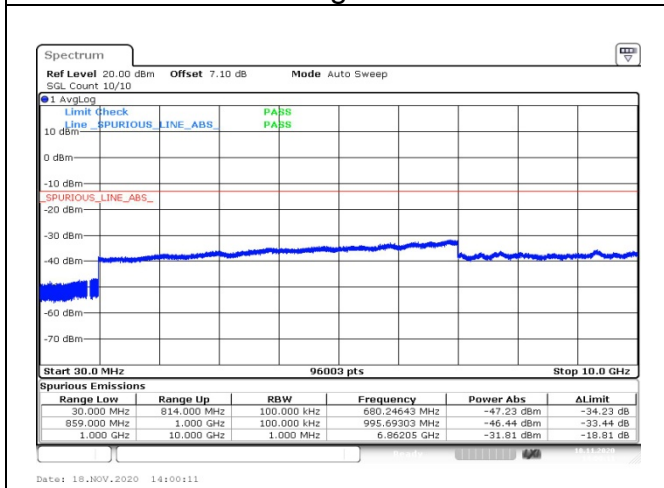


Fig.3

### 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
	848.3	20643		1	5	Fig.3
				6	0	Fig.4
	825.5	20415	3	1	0	Fig.5
				15	0	Fig.6
	847.5	20635		1	14	Fig.7
				15	0	Fig.8
	826.5	20425	5	1	0	Fig.9
				25	0	Fig.10
	846.5	20625		1	24	Fig.11
				25	0	Fig.12
	829	20450	10	1	0	Fig.13
				50	0	Fig.14
	844	20600		1	49	Fig.15
				50	0	Fig.16

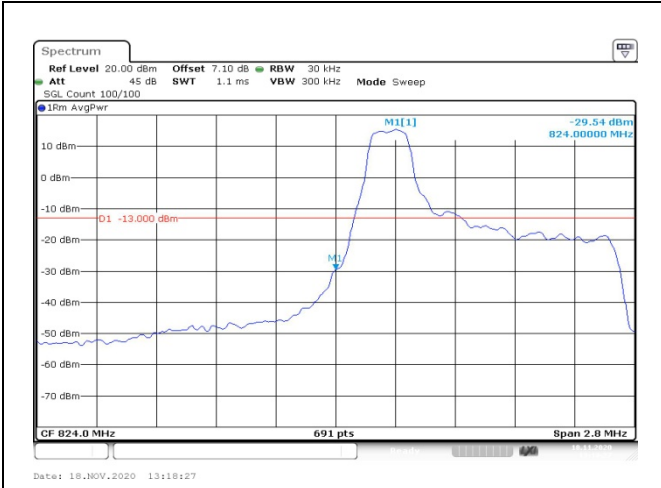


Fig.1

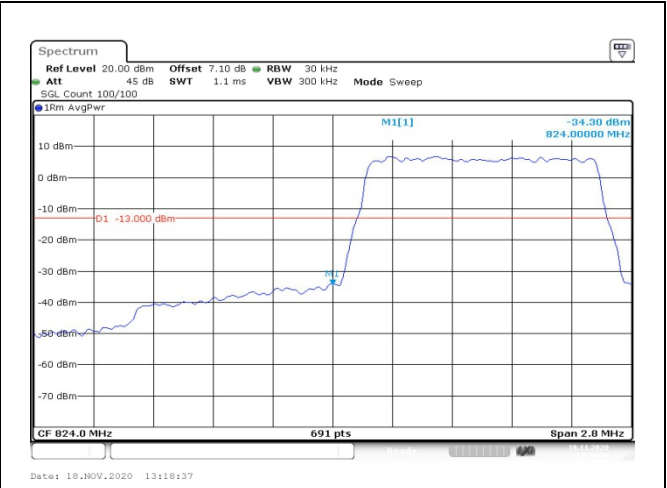


Fig.2

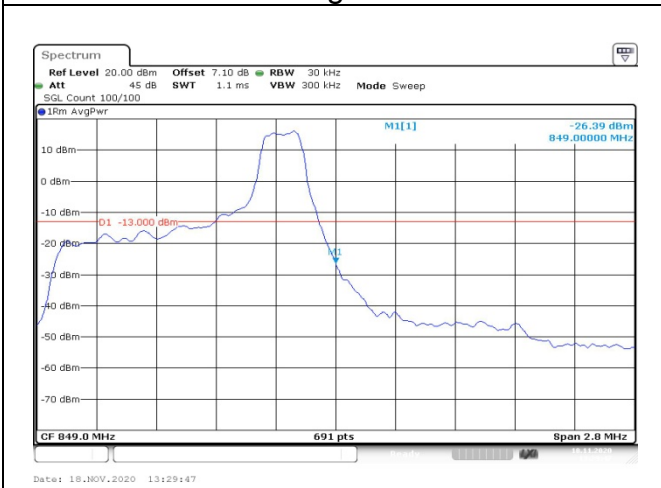


Fig.3

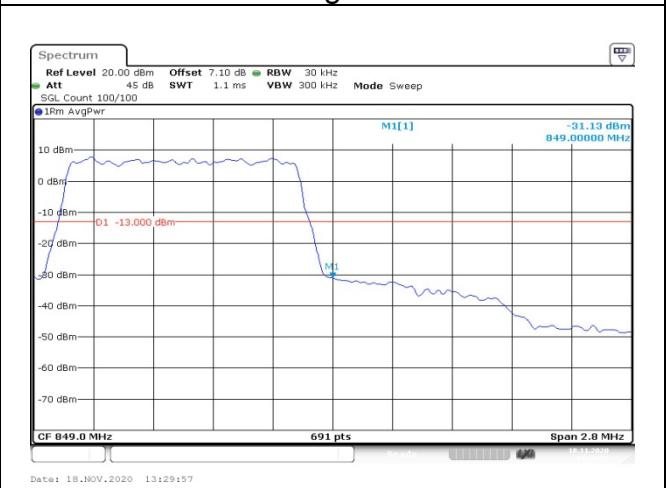


Fig.4

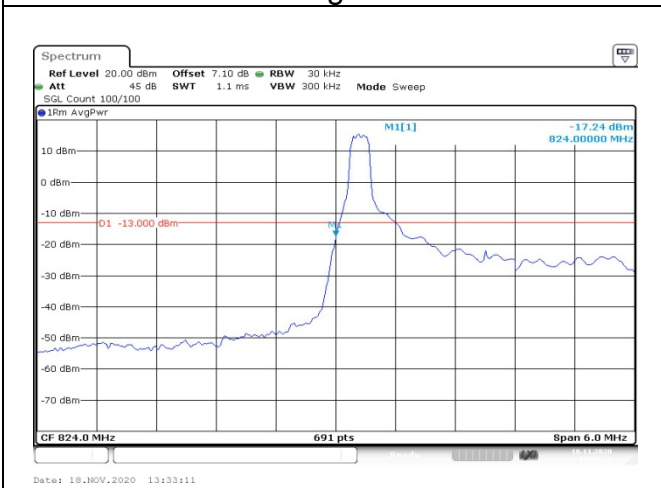


Fig.5

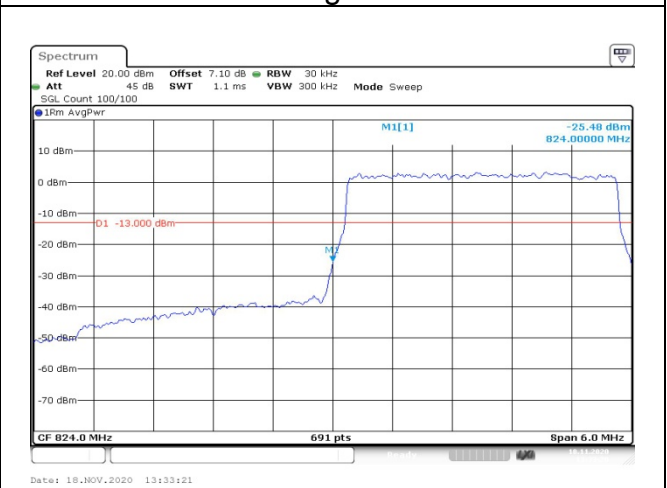


Fig.6

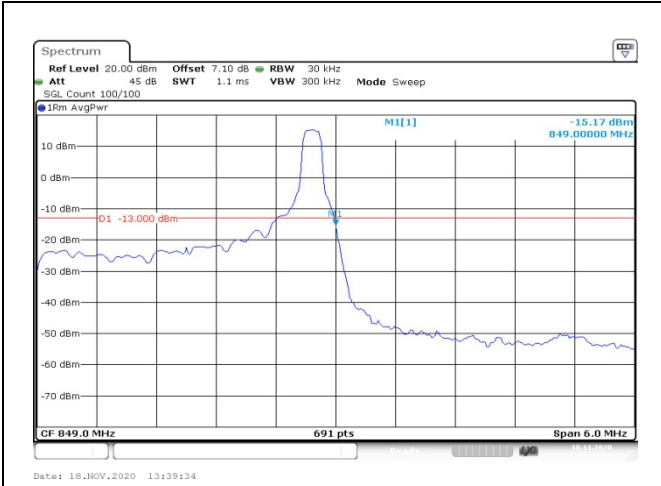


Fig.7

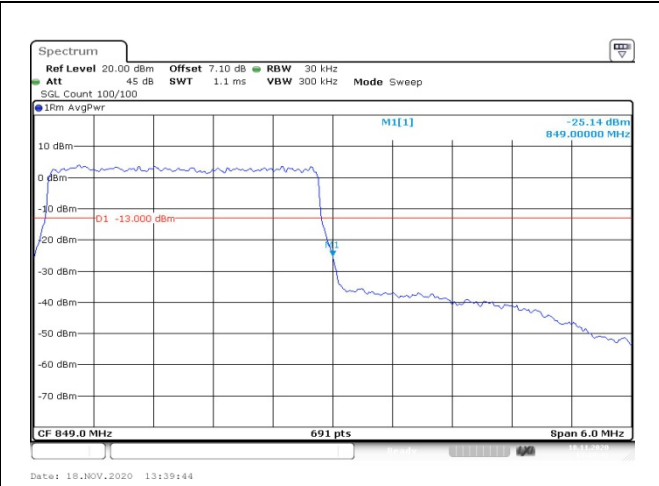


Fig.8

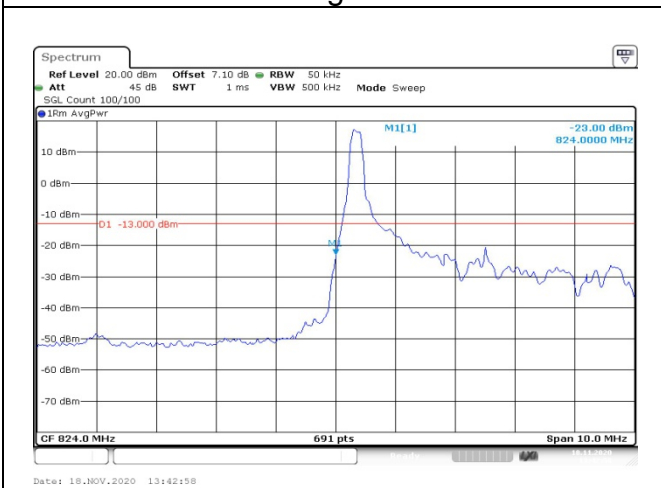


Fig.9

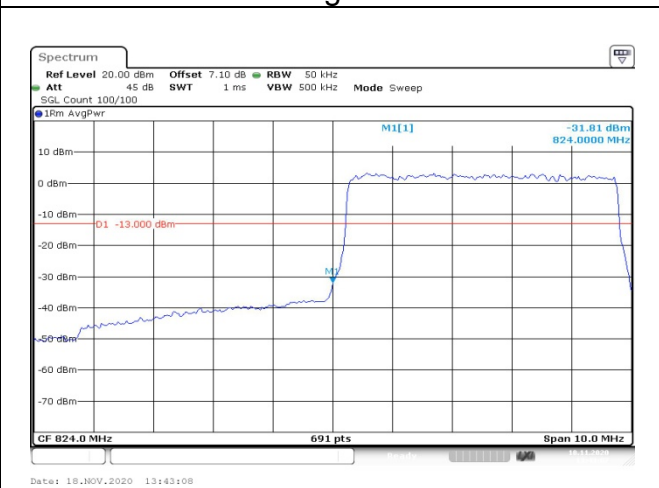


Fig.10

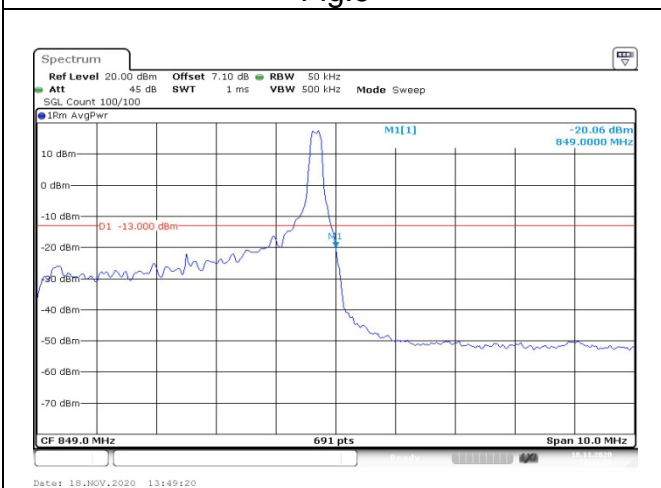


Fig.11

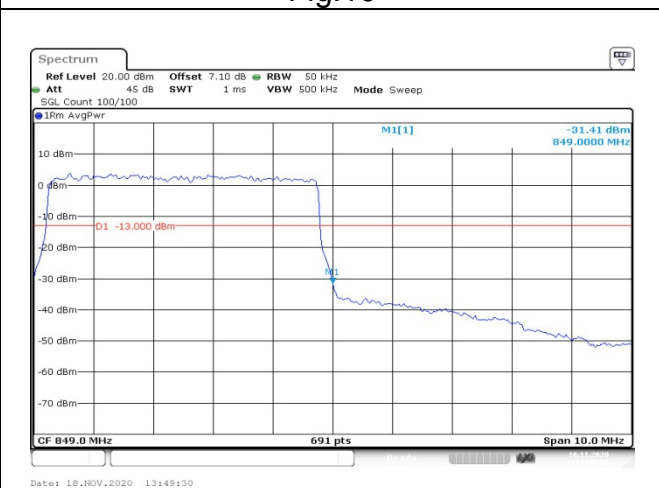


Fig.12

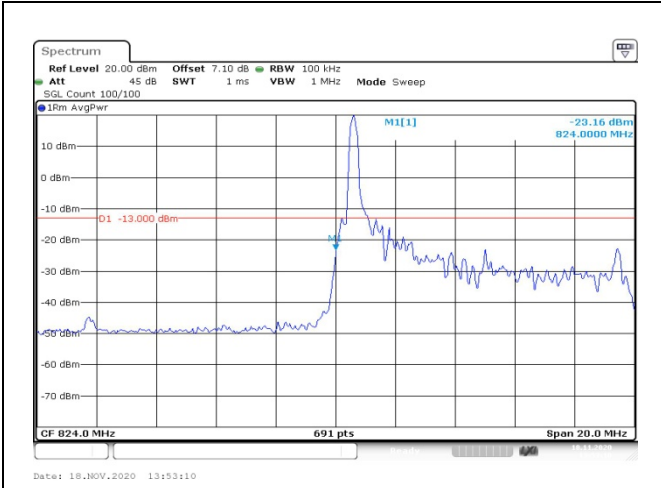


Fig.13

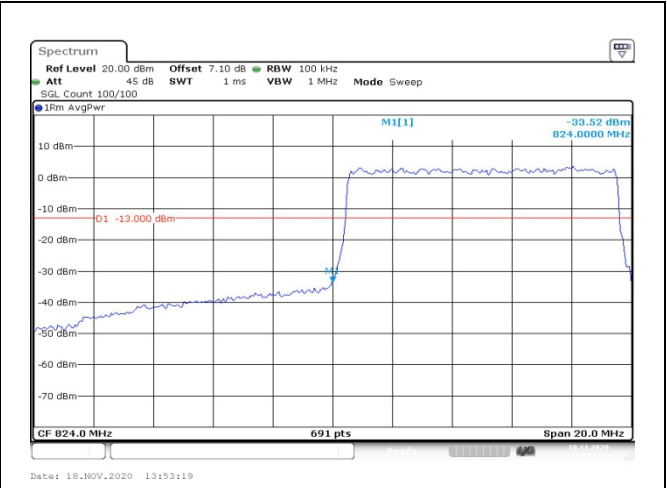


Fig.14

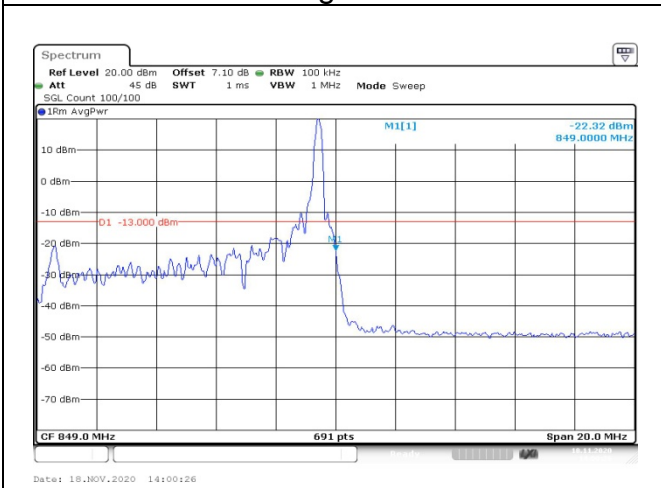


Fig.15

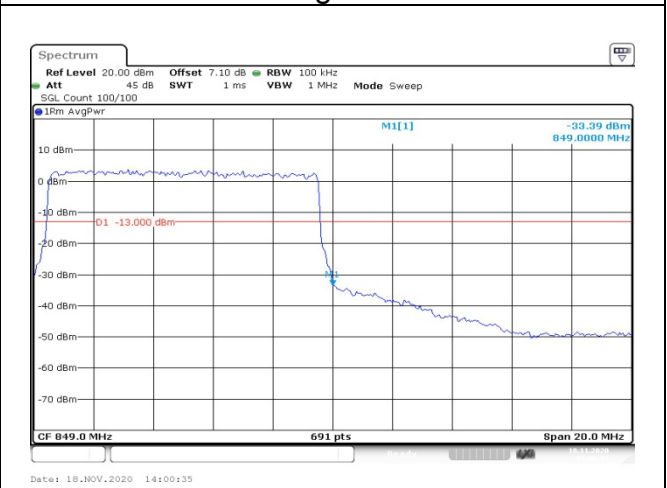


Fig.16



### Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK			
		1.4M	3M	5M	10M
0	NV	-0.015	-0.024	-0.011	-0.001
+10	NV	-0.022	-0.042	-0.026	-0.023
+20	NV	0.000	0.000	0.000	0.000
+30	NV	0.004	-0.023	-0.003	-0.016
+40	NV	0.001	0.039	-0.001	-0.040
+50	NV	-0.027	-0.034	-0.026	-0.012
+20	LV	-0.018	0.030	-0.019	-0.011
+20	HV	-0.018	-0.030	-0.019	-0.011

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK			
		1.4M	3M	5M	10M
0	NV	-0.011	-0.015	0.048	-0.011
+10	NV	-0.003	-0.017	0.044	0.012
+20	NV	0.000	0.000	0.000	0.000
+30	NV	0.008	-0.024	0.042	-0.026
+40	NV	-0.013	-0.025	0.005	0.002
+50	NV	-0.021	-0.014	-0.007	-0.017
+20	LV	-0.006	-0.017	0.046	-0.016
+20	HV	0.025	-0.017	0.046	-0.016

### 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	22.56	19.46	0.088
				1	3	22.55	19.45	0.088
				1	5	22.63	19.53	0.090
				3	0	22.59	19.49	0.089
				3	1	22.55	19.45	0.088
				3	3	22.53	19.43	0.088
	836.5	20525		6	0	21.47	18.37	0.069
				1	0	22.09	18.99	0.079
				1	3	22.23	19.13	0.082
				1	5	22.33	19.23	0.084
				3	0	21.48	18.38	0.069
				3	1	21.47	18.37	0.069
	848.3	20643		3	3	21.47	18.37	0.069
				6	0	20.48	17.38	0.055
				1	0	22.60	19.50	0.089
				1	3	22.64	19.54	0.090
				1	5	22.72	19.62	0.092
				3	0	22.65	19.55	0.090
16QAM	824.7	20407	3	1	22.64	19.54	0.090	
			3	3	22.57	19.47	0.089	
			6	0	21.52	18.42	0.070	
			1	0	21.99	18.89	0.077	
			1	3	22.11	19.01	0.080	
			1	5	22.12	19.02	0.080	
	836.5	20525	3	0	21.80	18.70	0.074	
			3	1	21.77	18.67	0.074	
			3	3	21.86	18.76	0.075	
			6	0	20.89	17.79	0.060	
			1	0	22.09	18.99	0.079	
			1	3	22.02	18.92	0.078	
	848.3	20643	1	5	21.99	18.89	0.077	
			3	0	21.68	18.58	0.072	
			3	1	21.58	18.48	0.070	
			3	3	21.56	18.46	0.070	
			6	0	21.11	18.01	0.063	
			1	0	22.06	18.96	0.079	
			1	3	22.19	19.09	0.081	
			1	5	22.20	19.10	0.081	
			3	0	21.89	18.79	0.076	
			3	1	21.83	18.73	0.075	
			3	3	21.92	18.82	0.076	
			6	0	20.93	17.83	0.061	

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	22.53	19.43	0.088
				1	8	22.58	19.48	0.089
				1	14	22.57	19.47	0.089
				8	0	21.61	18.51	0.071
				8	4	21.64	18.54	0.071
				8	7	21.74	18.64	0.073
	15	0		21.60	18.50	0.071		
	836.5	20525		1	0	22.54	19.44	0.088
				1	8	22.65	19.55	0.090
				1	14	22.64	19.54	0.090
				8	0	21.45	18.35	0.068
				8	4	21.68	18.58	0.072
				8	7	21.68	18.58	0.072
	15	0		21.72	18.62	0.073		
	847.5	20635		1	0	22.81	19.71	0.094
1			8	22.74	19.64	0.092		
1			14	22.67	19.57	0.091		
8			0	21.76	18.66	0.073		
8			4	21.62	18.52	0.071		
8			7	21.62	18.52	0.071		
16QAM	825.5	20415	15	0	21.74	18.64	0.073	
			1	0	21.88	18.78	0.076	
			1	8	21.80	18.70	0.074	
			1	14	21.80	18.70	0.074	
			8	0	20.79	17.69	0.059	
			8	4	20.88	17.78	0.060	
	8	7	20.88	17.78	0.060			
	836.5	20525	15	0	20.62	17.52	0.056	
			1	0	22.21	19.11	0.081	
			1	8	22.33	19.23	0.084	
			1	14	22.20	19.10	0.081	
			8	0	20.58	17.48	0.056	
			8	4	20.69	17.59	0.057	
	8	7	20.84	17.74	0.059			
	847.5	20635	15	0	20.73	17.63	0.058	
1			0	21.49	18.39	0.069		
1			8	21.24	18.14	0.065		
1			14	21.38	18.28	0.067		
8			0	20.72	17.62	0.058		
8			4	21.14	18.04	0.064		
8	7	21.14	18.04	0.064				
15	0	20.62	17.52	0.056				

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	22.42	19.32	0.086
				1	12	22.43	19.33	0.086
				1	24	22.56	19.46	0.088
				12	0	21.69	18.59	0.072
				12	7	21.61	18.51	0.071
				12	13	21.45	18.35	0.068
				25	0	21.58	18.48	0.070
	836.5	20525		1	0	22.68	19.58	0.091
				1	12	22.57	19.47	0.089
				1	24	22.63	19.53	0.090
				12	0	21.32	18.22	0.066
				12	7	21.64	18.54	0.071
				12	13	21.64	18.54	0.071
				25	0	21.57	18.47	0.070
	846.5	20625		1	0	22.57	19.47	0.089
				1	12	22.45	19.35	0.086
				1	24	22.57	19.47	0.089
				12	0	21.61	18.51	0.071
				12	7	21.58	18.48	0.070
				12	13	21.58	18.48	0.070
				25	0	21.59	18.49	0.071
16QAM	826.5	20425	1	0	20.80	17.70	0.059	
			1	12	20.68	17.58	0.057	
			1	24	20.79	17.69	0.059	
			12	0	20.52	17.42	0.055	
			12	7	20.48	17.38	0.055	
			12	13	20.48	17.38	0.055	
			25	0	20.69	17.59	0.057	
	836.5	20525	1	0	21.44	18.34	0.068	
			1	12	21.48	18.38	0.069	
			1	24	21.78	18.68	0.074	
			12	0	20.50	17.40	0.055	
			12	7	20.72	17.62	0.058	
			12	13	20.70	17.60	0.058	
			25	0	20.60	17.50	0.056	
	846.5	20625	1	0	21.19	18.09	0.064	
			1	12	21.07	17.97	0.063	
			1	24	21.18	18.08	0.064	
			12	0	20.90	17.80	0.060	
			12	7	20.39	17.29	0.054	
			12	13	20.39	17.29	0.054	
			25	0	20.40	17.30	0.054	

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	22.48	19.38	0.087
				1	25	22.53	19.43	0.088
				1	49	22.52	19.42	0.087
				25	0	21.41	18.31	0.068
				25	12	21.60	18.50	0.071
				25	25	21.60	18.50	0.071
				50	0	21.51	18.41	0.069
	836.5	20525		1	0	22.64	19.54	0.090
				1	25	22.60	19.50	0.089
				1	49	22.74	19.64	0.092
				25	0	21.45	18.35	0.068
				25	12	21.69	18.59	0.072
				25	25	21.56	18.46	0.070
				50	0	21.68	18.58	0.072
	844	20600		1	0	22.49	19.39	0.087
				1	25	22.53	19.43	0.088
				1	49	22.52	19.42	0.087
				25	0	21.69	18.59	0.072
				25	12	21.74	18.64	0.073
				25	25	21.74	18.64	0.073
				50	0	21.65	18.55	0.072
16QAM	829	20450	1	0	22.05	18.95	0.079	
			1	25	21.90	18.80	0.076	
			1	49	21.90	18.80	0.076	
			25	0	20.57	17.47	0.056	
			25	12	20.60	17.50	0.056	
			25	25	20.61	17.51	0.056	
			50	0	20.64	17.54	0.057	
	836.5	20525	1	0	21.62	18.52	0.071	
			1	25	21.91	18.81	0.076	
			1	49	21.91	18.81	0.076	
			25	0	20.42	17.32	0.054	
			25	12	20.41	17.31	0.054	
			25	25	20.49	17.39	0.055	
			50	0	20.71	17.61	0.058	
	844	20600	1	0	21.20	18.10	0.065	
			1	25	21.21	18.11	0.065	
			1	49	21.21	18.11	0.065	
			25	0	20.69	17.59	0.057	
			25	12	20.70	17.60	0.058	
			25	25	20.69	17.59	0.057	
			50	0	20.66	17.56	0.057	