

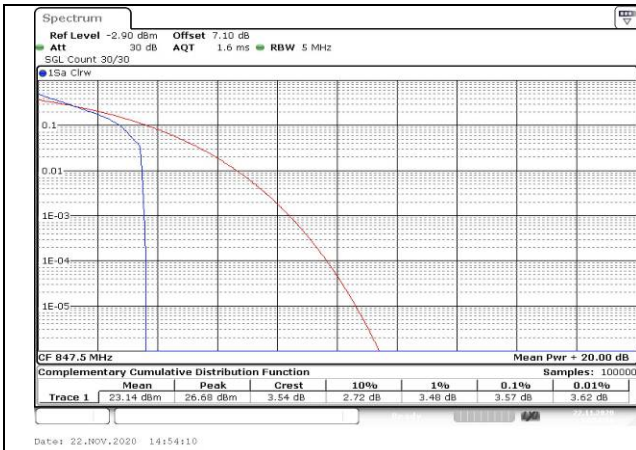


Fig.31

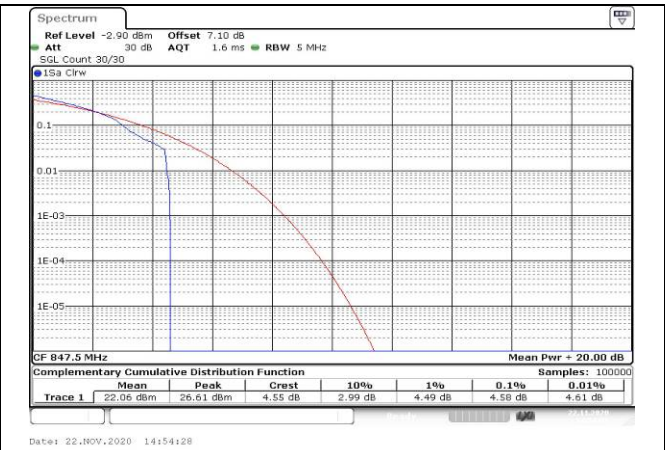


Fig.32

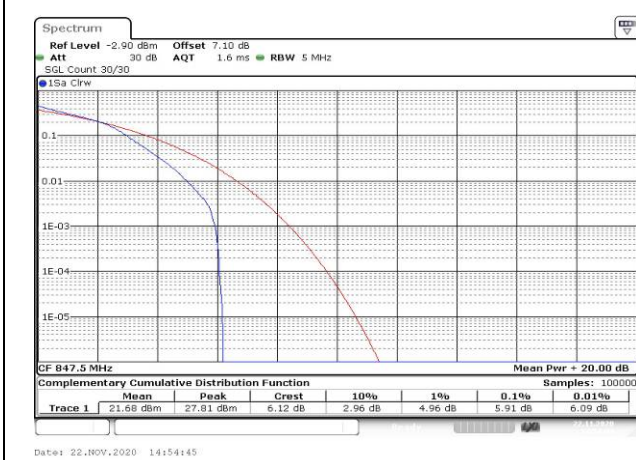


Fig.33

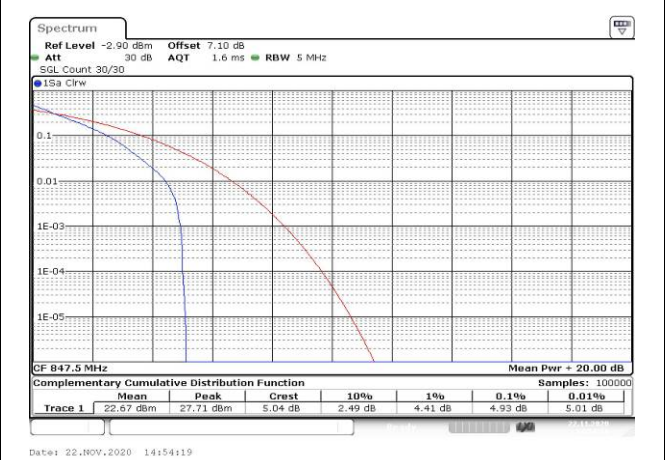


Fig.34

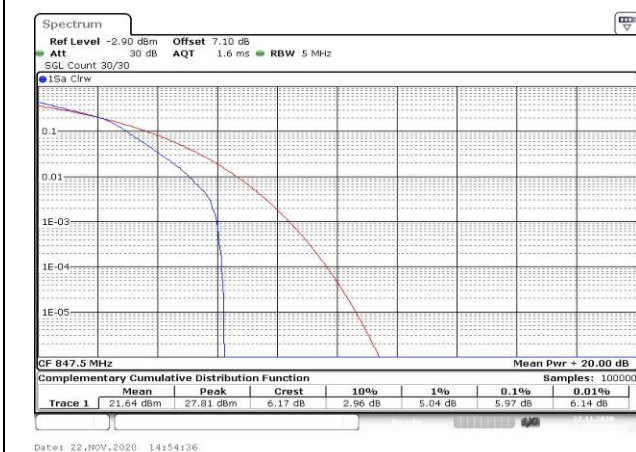


Fig.35

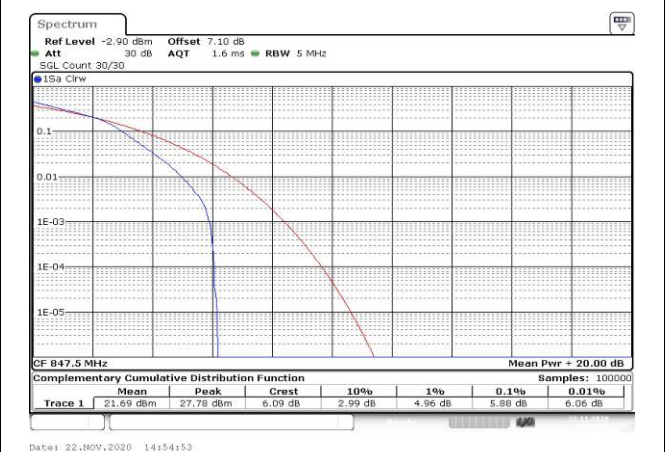


Fig.36

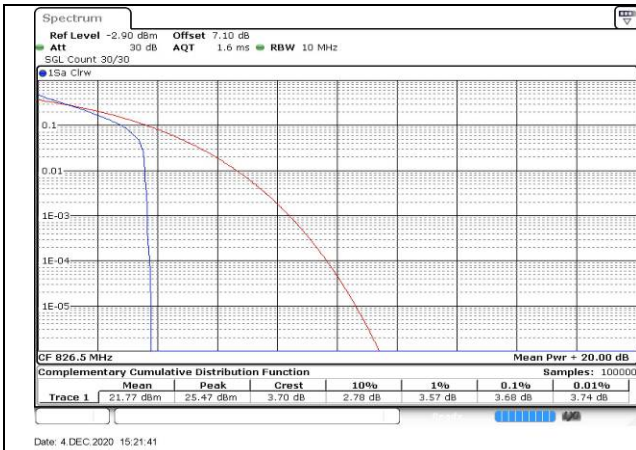


Fig.37

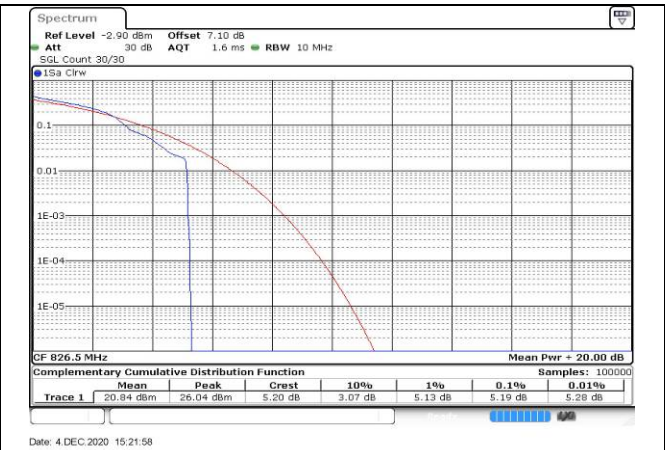


Fig.38

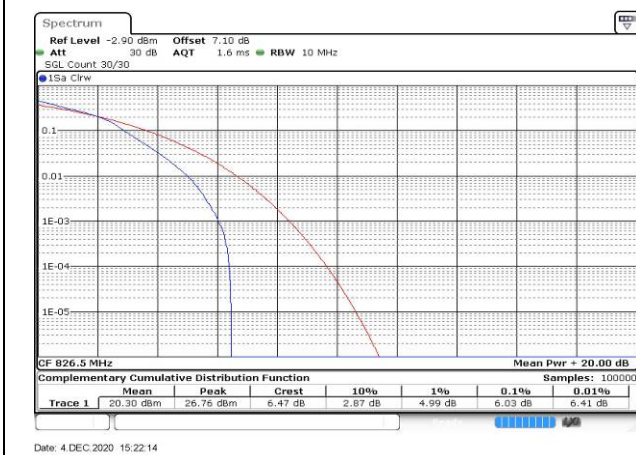


Fig.39

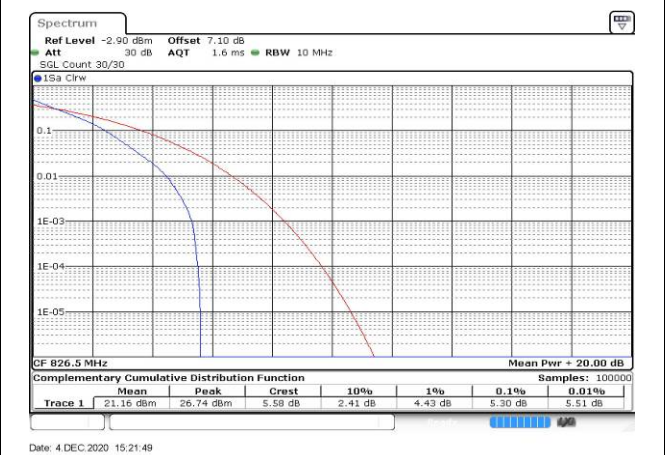


Fig.40

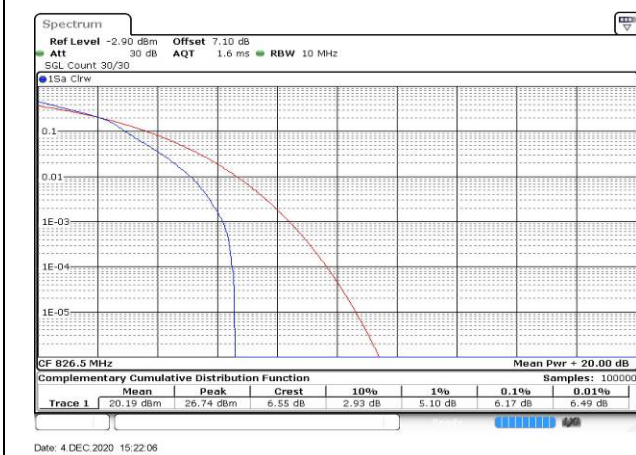


Fig.41

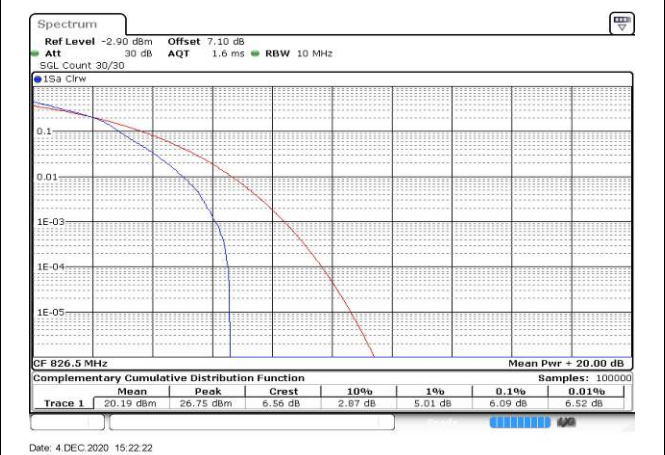


Fig.42

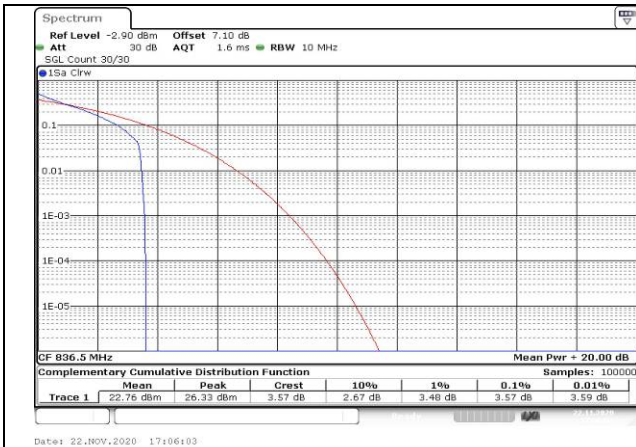


Fig.43

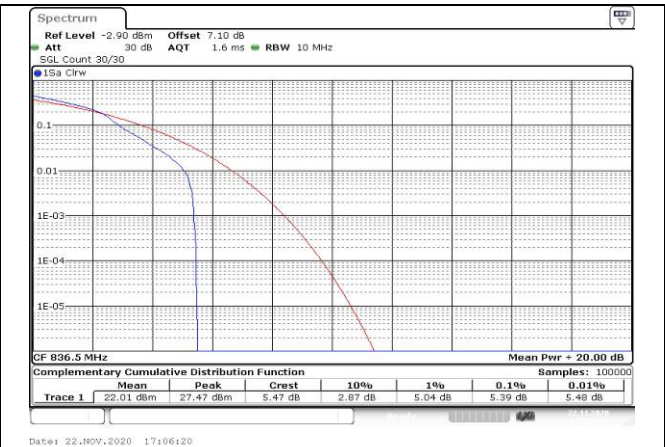


Fig.44

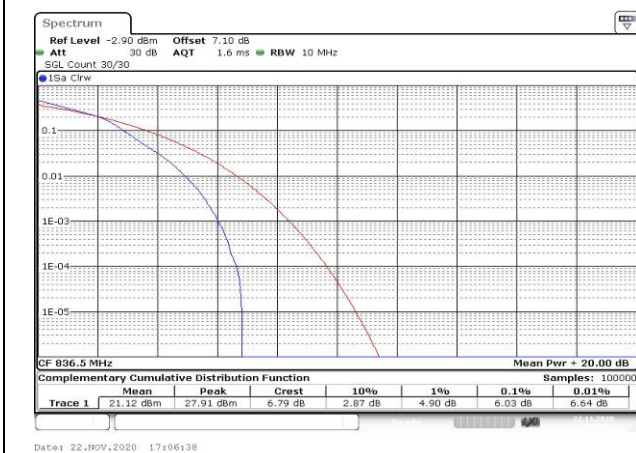


Fig.45

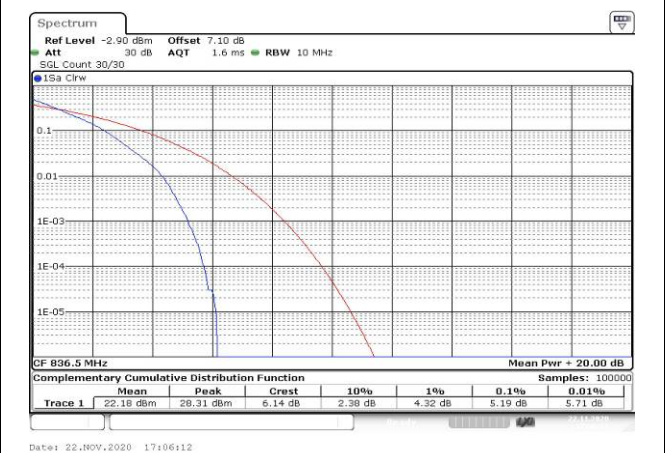


Fig.46

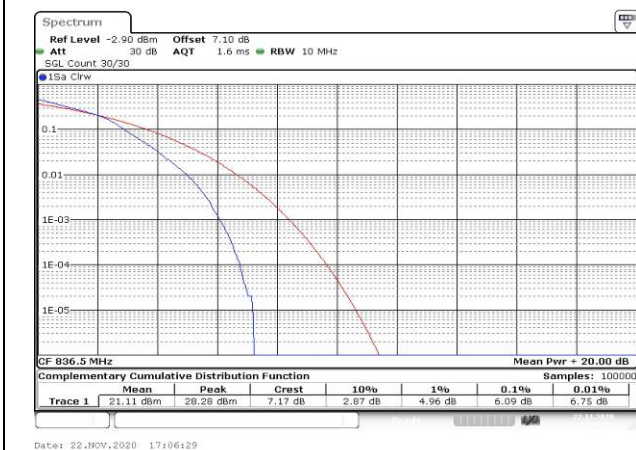


Fig.47



Fig.48

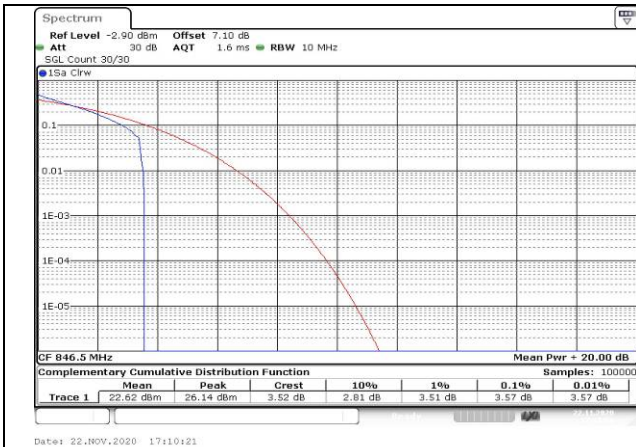


Fig.49

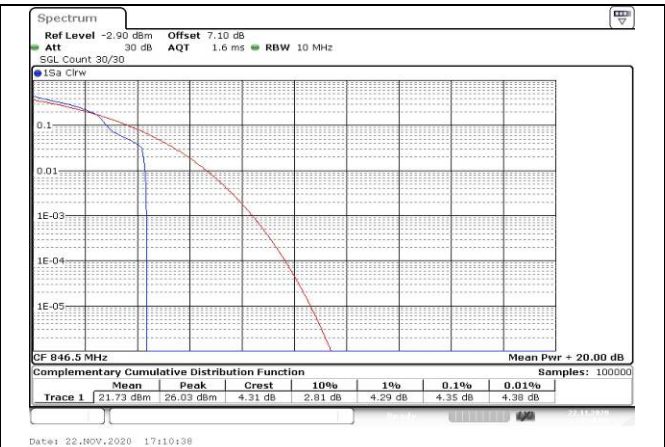


Fig.50

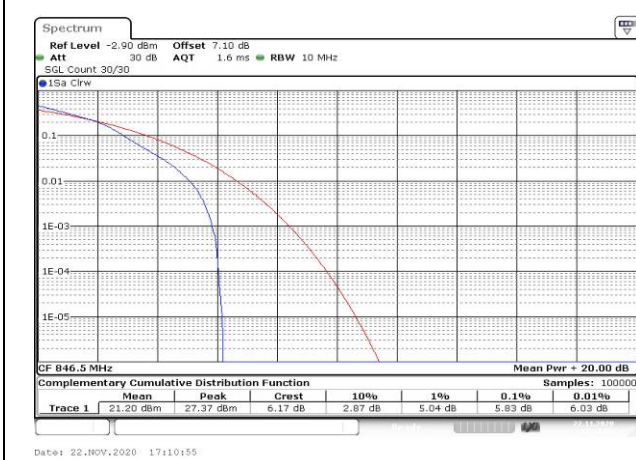


Fig.51

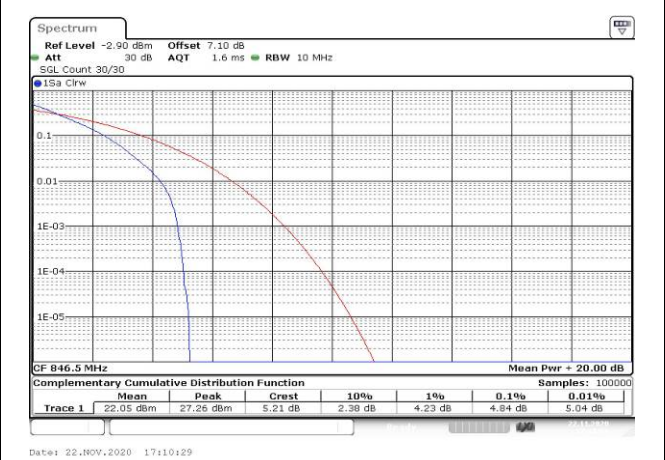


Fig.52

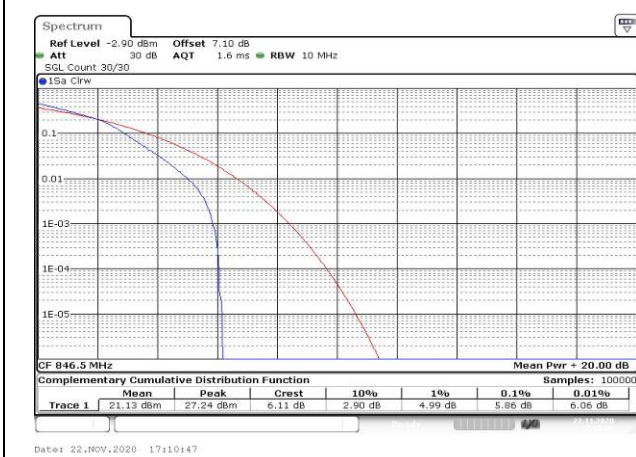


Fig.53

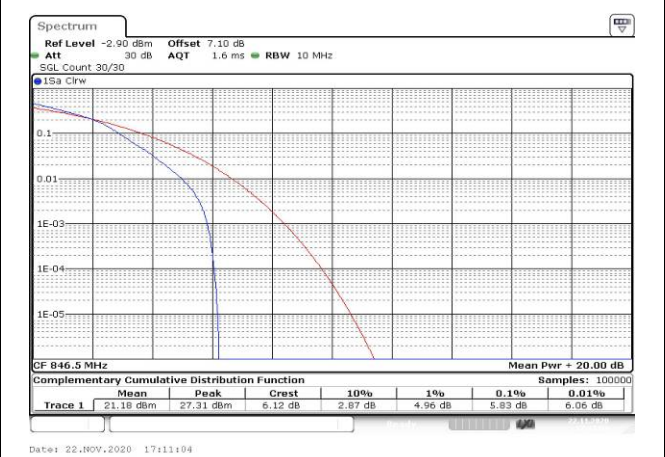


Fig.54

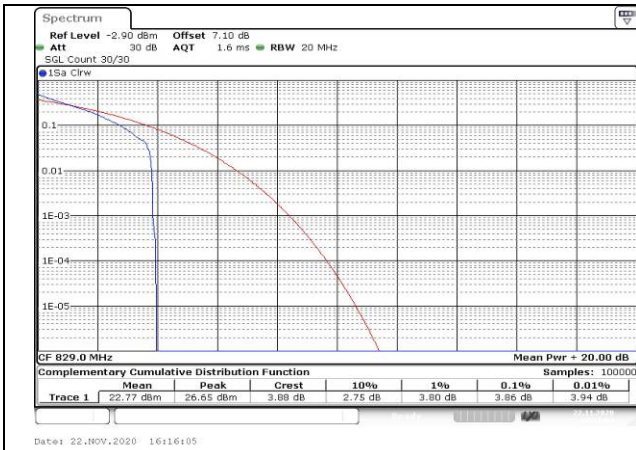


Fig.55

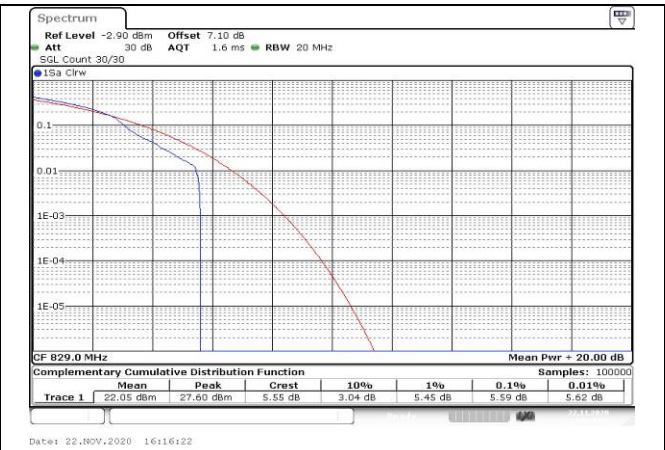


Fig.56

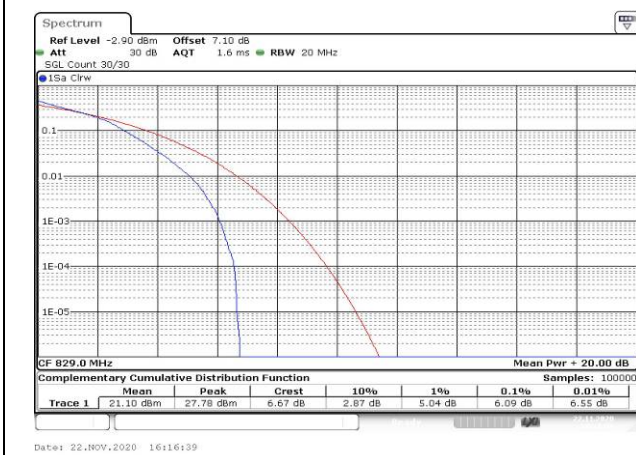


Fig.57

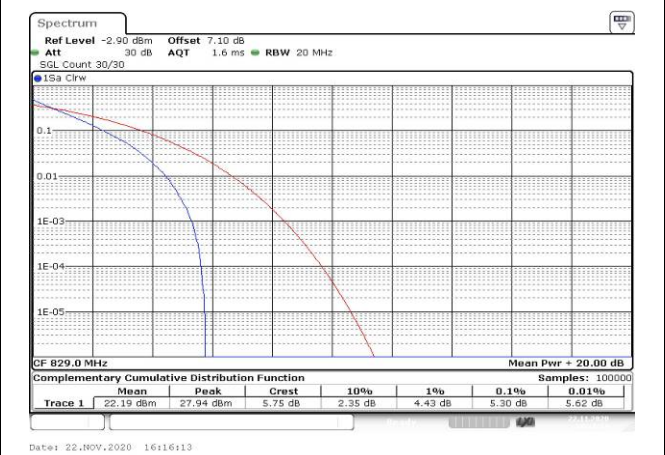


Fig.58

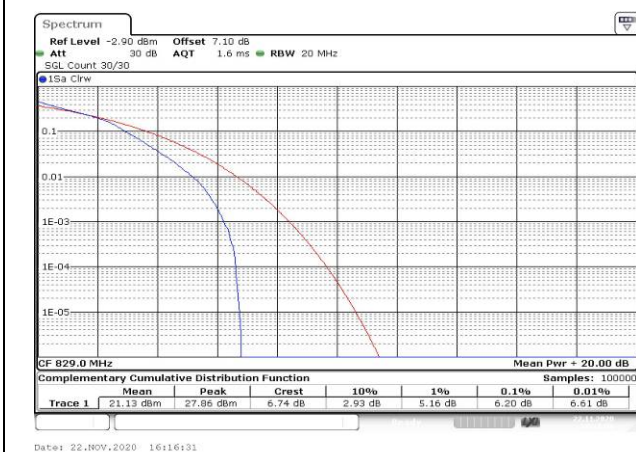


Fig.59

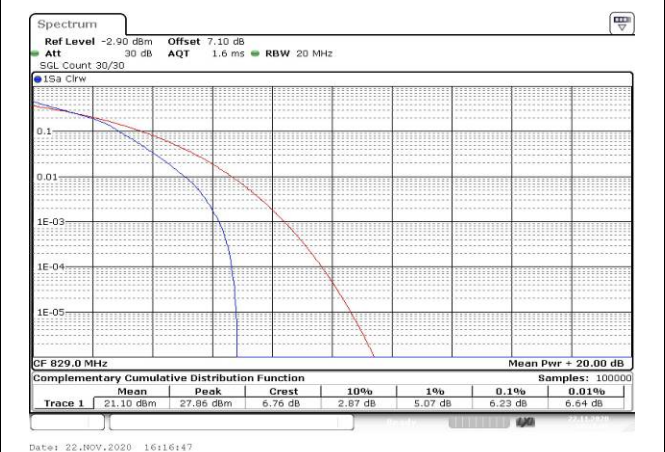


Fig.60

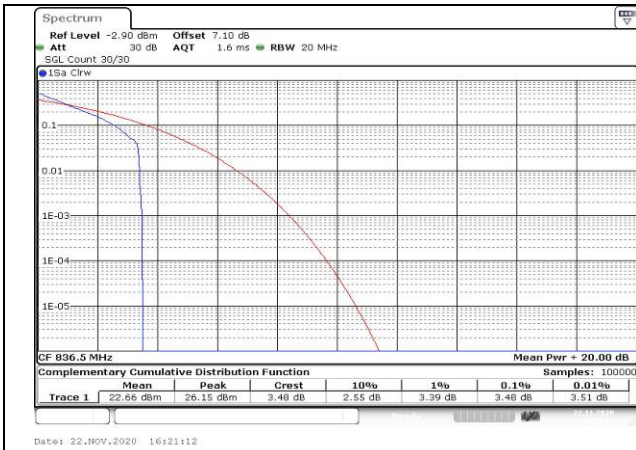


Fig.61



Fig.62

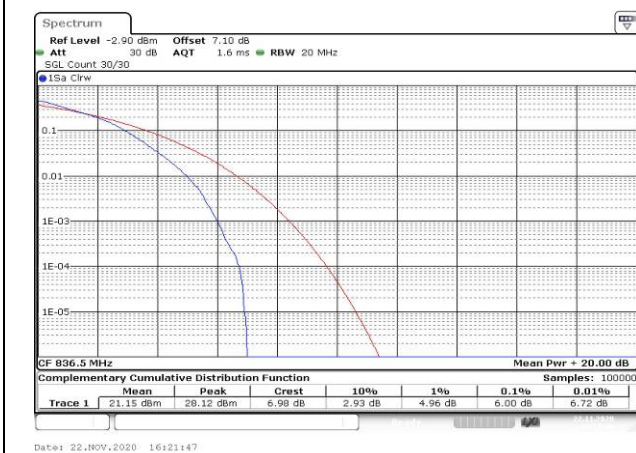


Fig.63

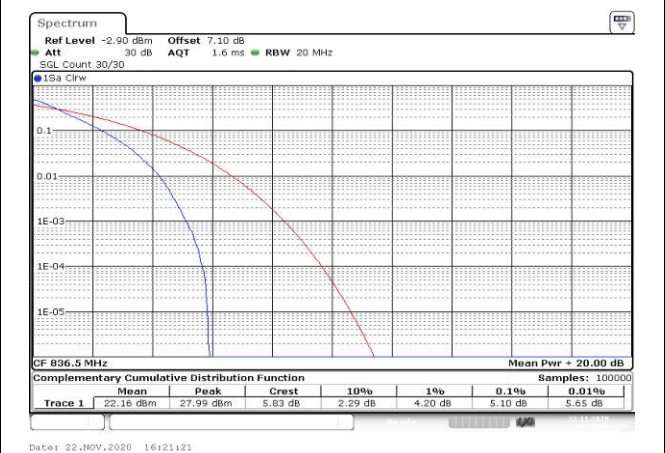


Fig.64

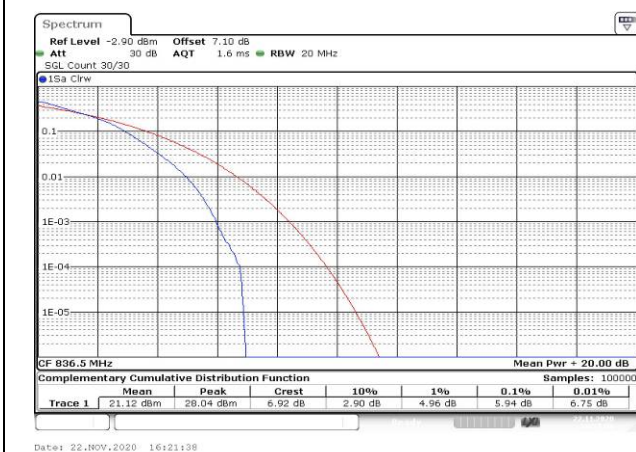


Fig.65

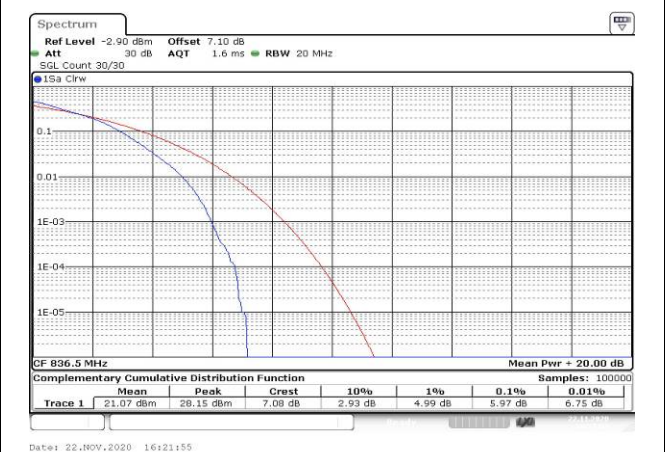


Fig.66

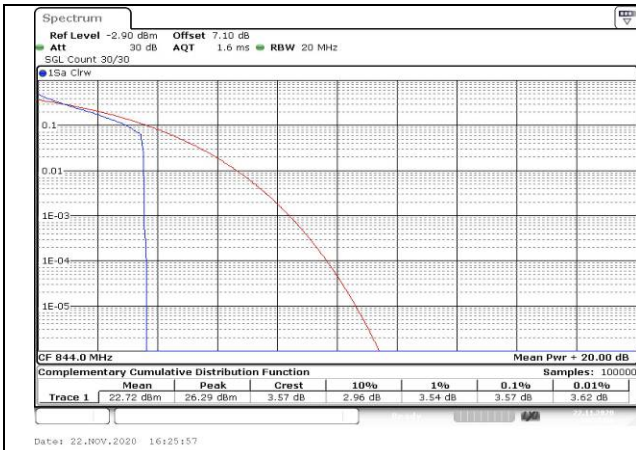


Fig.67

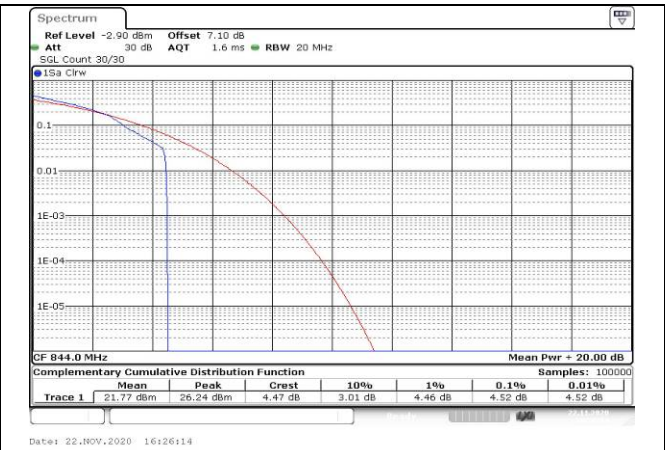


Fig.68

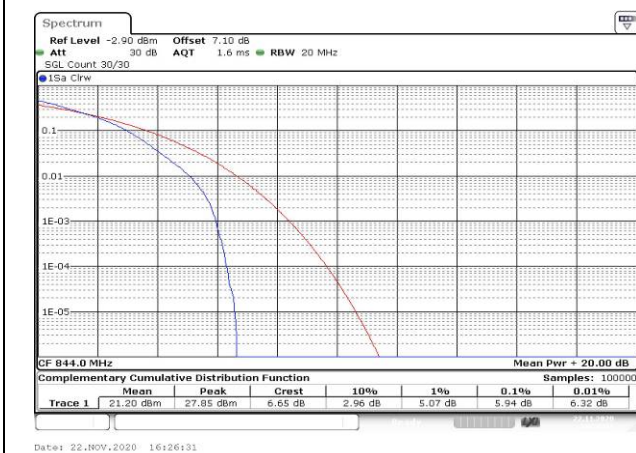


Fig.69

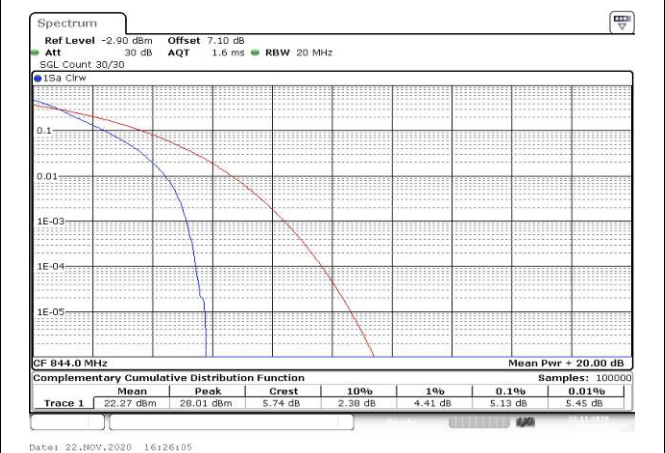


Fig.70

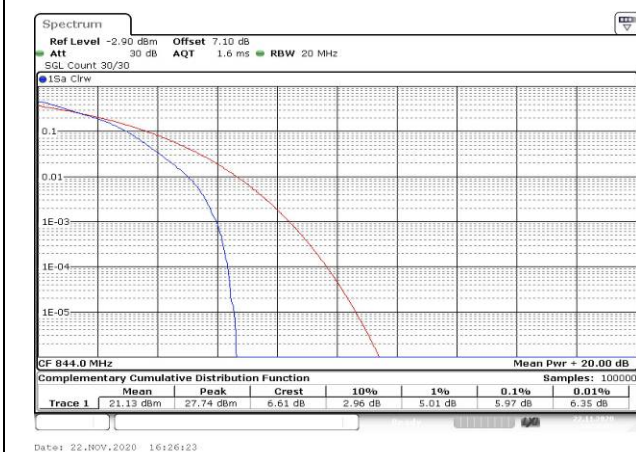


Fig.71

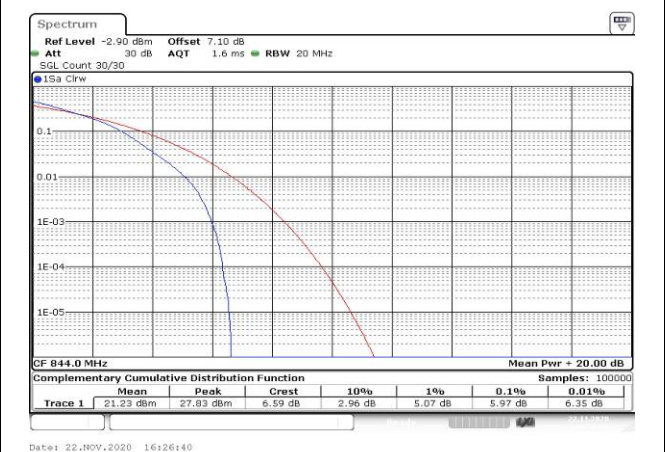


Fig.72

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

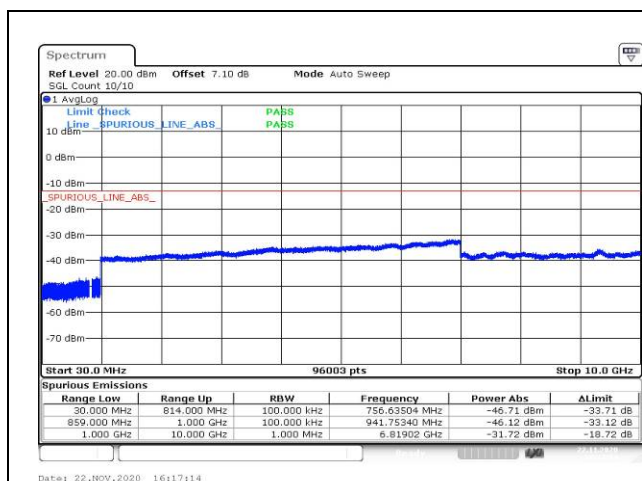


Fig.1

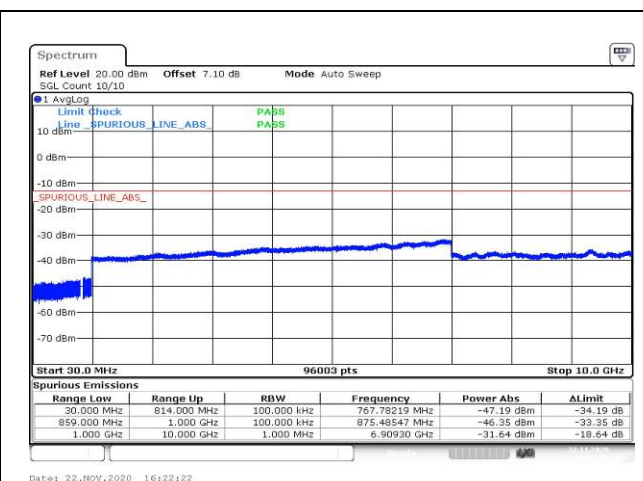


Fig.2

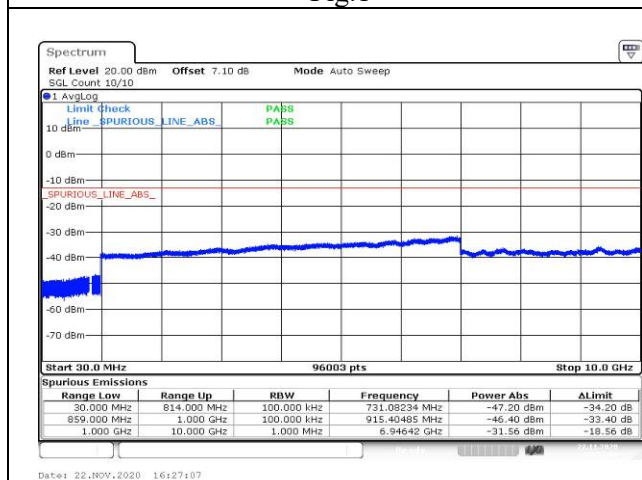
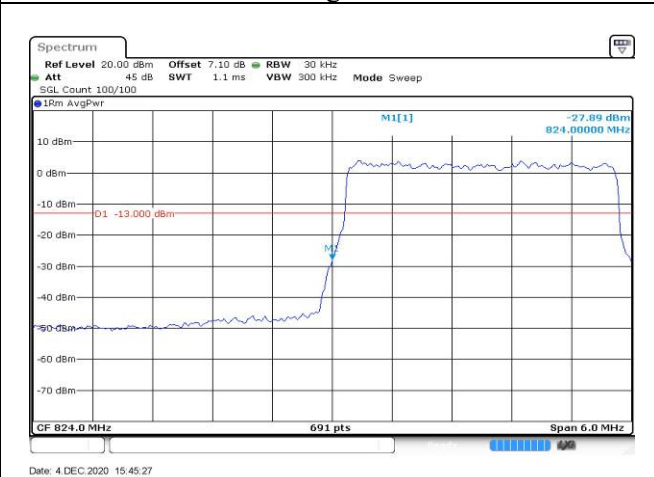
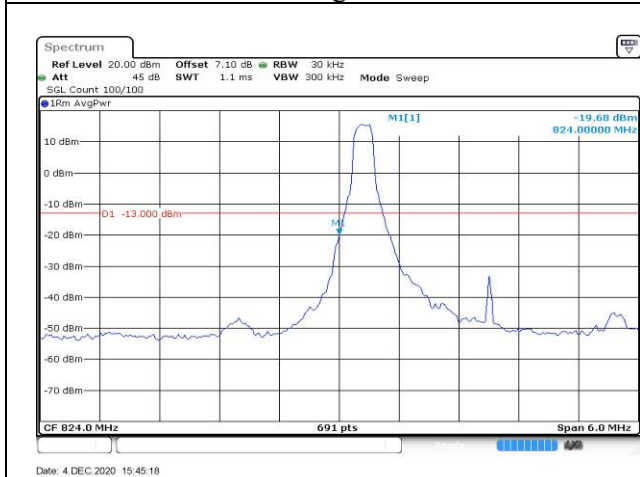
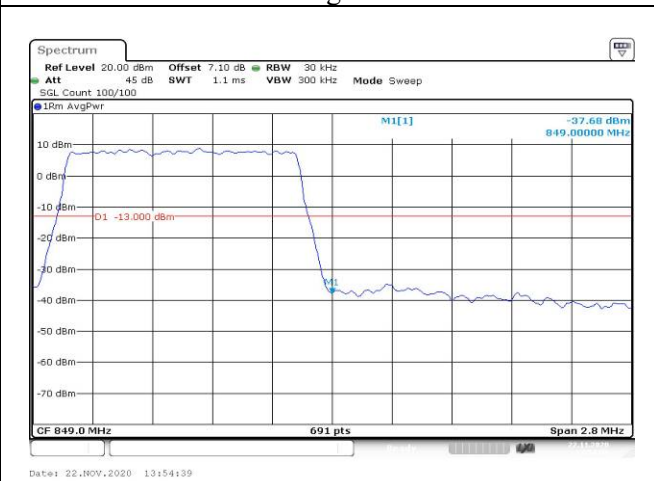
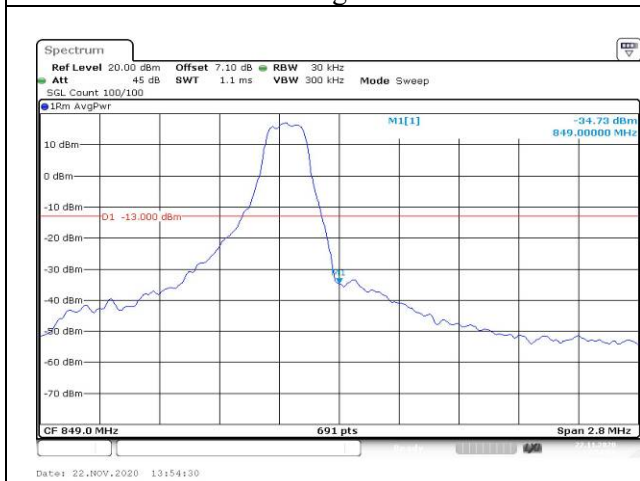
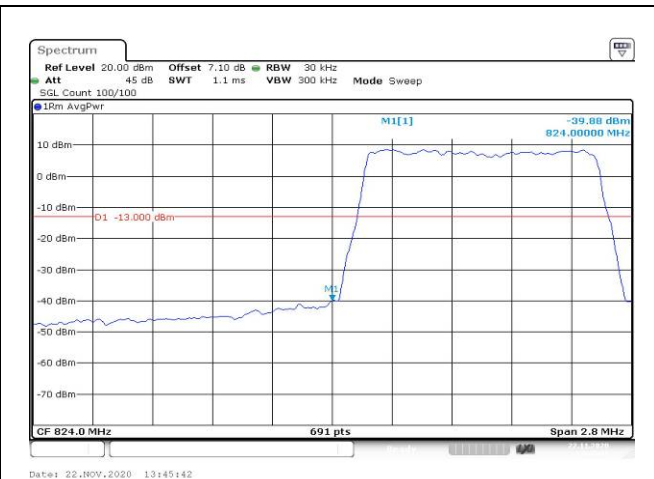
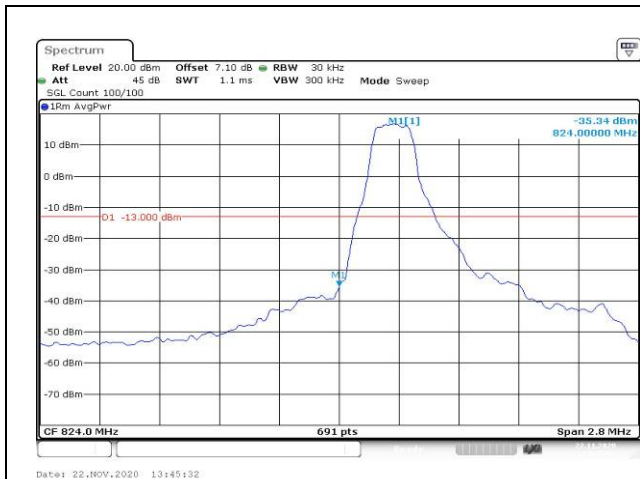
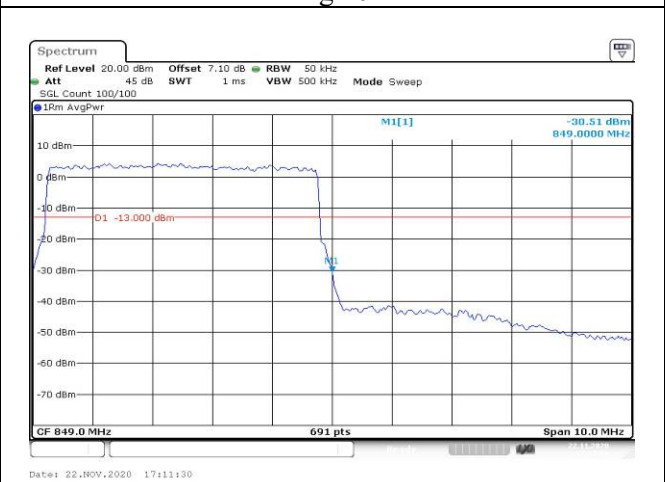
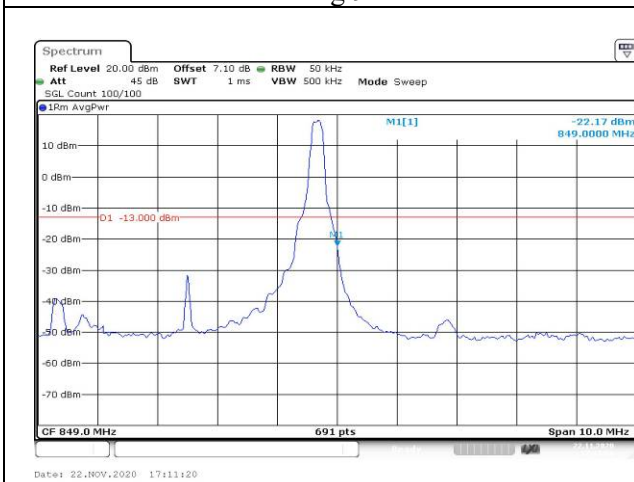
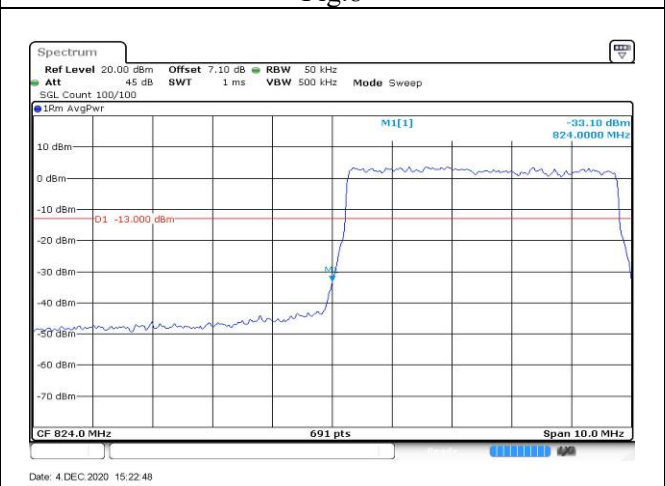
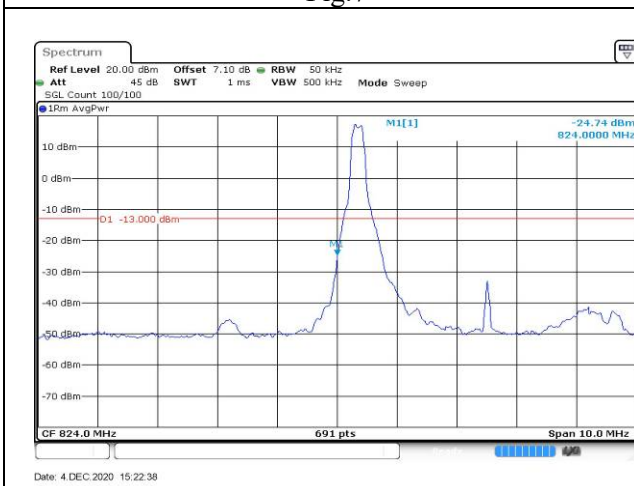
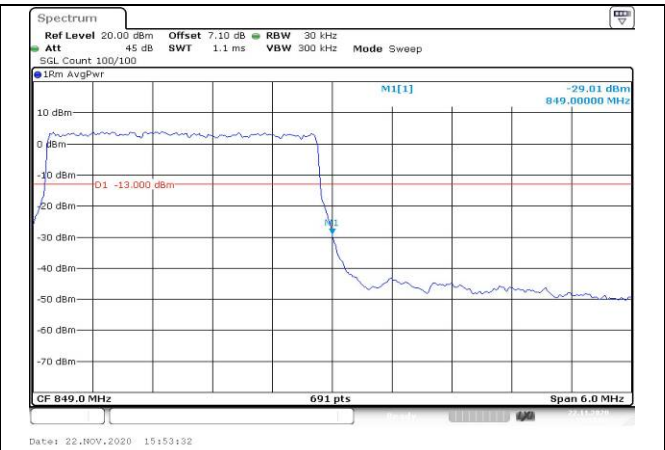
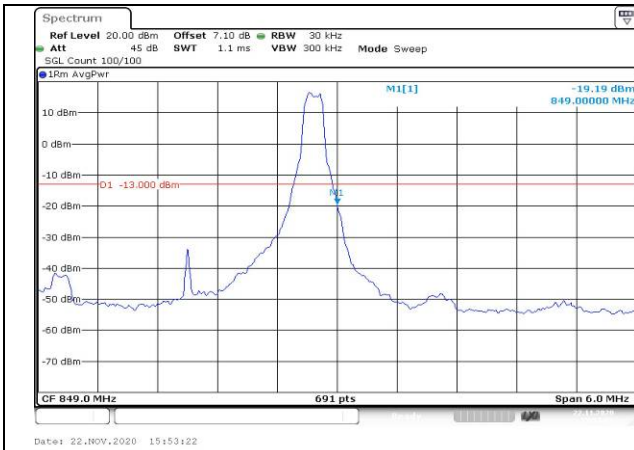


Fig.3

6 Band Edges Compliance

Band 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	
				1	14	Fig.7	
				15	0	Fig.8	
	847.5	20635	5	1	0	Fig.9	
				25	0	Fig.10	
				1	24	Fig.11	
				25	0	Fig.12	
	826.5	20425	10	1	0	Fig.13	
				50	0	Fig.14	
				1	49	Fig.15	
				50	0	Fig.16	
846.5	20625						
829	20450						
844	20600						





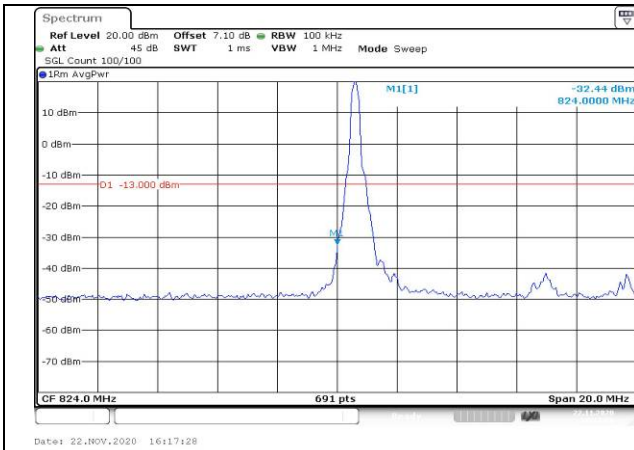


Fig.13

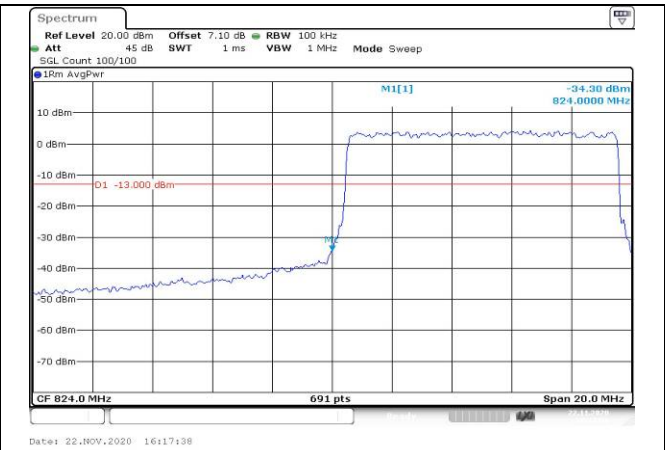


Fig.14

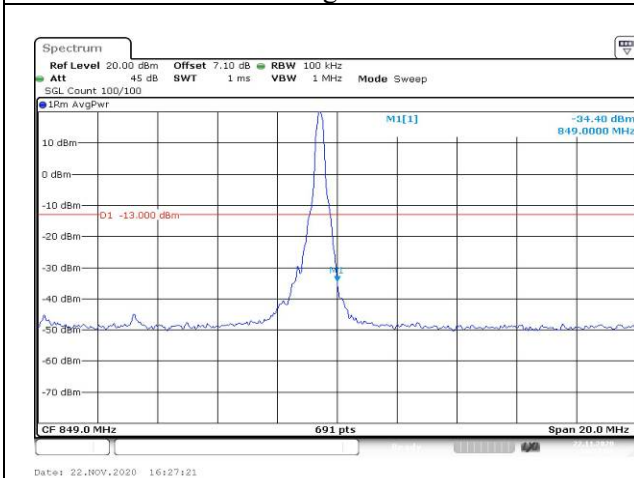


Fig.15

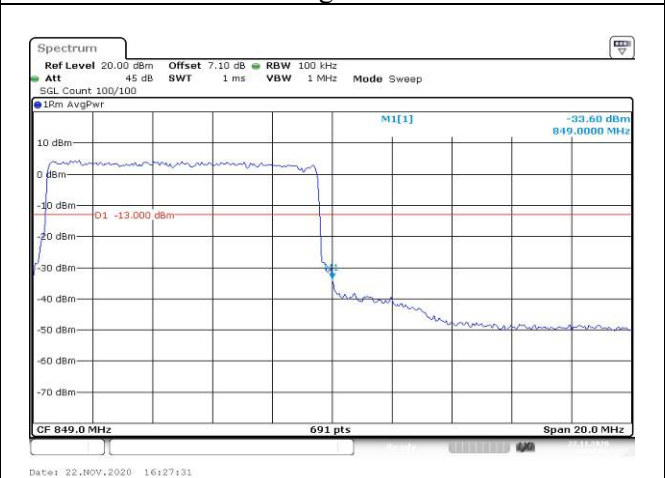


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	0.003	-0.001	-0.016	0.005
-10	NV	0.001	0.005	0.010	0.001
0	NV	-0.018	0.002	-0.010	0.006
+10	NV	-0.019	0.004	-0.009	0.003
+20	NV	0.000	0.000	0.000	0.000
+30	NV	-0.001	0.001	0.001	-0.002
+40	NV	0.001	0.003	-0.002	0.007
+50	NV	-0.005	0.000	-0.004	0.002
+55	NV	-0.003	0.002	-0.001	0.005
+20	LV	0.013	-0.006	0.001	0.008
+20	HV	0.009	-0.003	-0.001	0.003

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	-0.016	0.006	-0.002	0.004
-10	NV	-0.014	0.001	-0.003	0.006
0	NV	-0.019	-0.002	-0.004	0.003
+10	NV	0.007	0.000	0.001	0.004
+20	NV	0.000	0.000	0.000	0.000
+30	NV	-0.001	0.000	-0.003	0.005
+40	NV	-0.016	0.001	-0.005	0.006
+50	NV	0.010	-0.002	0.002	0.003
+55	NV	-0.004	0.001	-0.003	0.001
+20	LV	-0.010	-0.004	-0.002	-0.003
+20	HV	-0.009	0.000	0.002	0.008

8 Effective Radiated Power and Effective Isotropic Radiated Power

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	23.71	22.56	0.180	
				1	3	23.56	22.41	0.174	
				1	5	23.56	22.41	0.174	
				3	0	23.59	22.44	0.175	
				3	1	23.54	22.39	0.173	
				3	3	23.53	22.38	0.173	
	836.5	20525		6	0	22.54	21.39	0.138	
				1	0	23.66	22.51	0.178	
				1	3	23.67	22.52	0.179	
				1	5	23.66	22.51	0.178	
				3	0	23.63	22.48	0.177	
				3	1	23.72	22.57	0.181	
	848.3	20643		3	3	23.71	22.56	0.180	
				6	0	22.80	21.65	0.146	
				1	0	23.81	22.66	0.185	
				1	3	23.83	22.68	0.185	
				1	5	23.74	22.59	0.182	
				3	0	23.83	22.68	0.185	
	16QAM	824.7		20407	3	1	23.79	22.64	0.184
					3	3	23.79	22.64	0.184
					6	0	22.88	21.73	0.149
					1	0	22.70	21.55	0.143
					1	3	22.68	21.53	0.142
					1	5	22.76	21.61	0.145
836.5		20525		3	0	22.87	21.72	0.149	
				3	1	22.85	21.70	0.148	
				3	3	22.85	21.70	0.148	
				6	0	21.74	20.59	0.115	
				1	0	22.80	21.65	0.146	
				1	3	22.95	21.80	0.151	
848.3		20643		1	5	22.85	21.70	0.148	
				3	0	22.73	21.58	0.144	
				3	1	22.71	21.56	0.143	
				3	3	22.71	21.56	0.143	
				6	0	21.90	20.75	0.119	
				1	0	23.01	21.86	0.153	
					1	3	22.96	21.81	0.152
					1	5	22.96	21.81	0.152
					3	0	23.04	21.89	0.155
					3	1	22.97	21.82	0.152
					3	3	23.03	21.88	0.154
					6	0	21.80	20.65	0.116

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	21.70	20.55	0.114
				1	3	21.73	20.58	0.114
				1	5	21.61	20.46	0.111
				3	0	21.61	20.46	0.111
				3	1	21.71	20.56	0.114
				3	3	21.67	20.52	0.113
	6	0		21.70	20.55	0.114		
	1	3		21.87	20.72	0.118		
	1	5		21.83	20.68	0.117		
	3	0		21.91	20.76	0.119		
	3	1		21.90	20.75	0.119		
	3	3		21.90	20.75	0.119		
	6	0		21.90	20.75	0.119		
	1	3		21.80	20.65	0.116		
	1	5		21.86	20.71	0.118		
	3	0		21.80	20.65	0.116		
	3	1		21.80	20.65	0.116		
	3	3		21.80	20.65	0.116		
	6	0		21.80	20.65	0.116		

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	23.38	22.23	0.167
				1	8	23.27	22.12	0.163
				1	14	23.26	22.11	0.163
				8	0	22.42	21.27	0.134
				8	4	22.35	21.20	0.132
				8	7	22.30	21.15	0.130
				15	0	22.39	21.24	0.133
	836.5	20525		1	0	23.33	22.18	0.165
				1	8	23.38	22.23	0.167
				1	14	23.33	22.18	0.165
				8	0	22.39	21.24	0.133
				8	4	22.37	21.22	0.132
				8	7	22.38	21.23	0.133
				15	0	22.33	21.18	0.131
	847.5	20635		1	0	23.43	22.28	0.169
				1	8	23.27	22.12	0.163
				1	14	23.36	22.21	0.166
				8	0	22.43	21.28	0.134
				8	4	22.43	21.28	0.134
				8	7	22.36	21.21	0.132
				15	0	22.49	21.34	0.136
16QAM	825.5	20415	1	0	22.56	21.41	0.138	
			1	8	22.40	21.25	0.133	
			1	14	22.43	21.28	0.134	
			8	0	21.39	20.24	0.106	
			8	4	21.37	20.22	0.105	
			8	7	21.33	20.18	0.104	
			15	0	21.30	20.15	0.104	
	836.5	20525	1	0	22.60	21.45	0.140	
			1	8	22.59	21.44	0.139	
			1	14	22.45	21.30	0.135	
			8	0	21.48	20.33	0.108	
			8	4	21.37	20.22	0.105	
			8	7	21.44	20.29	0.107	
			15	0	21.41	20.26	0.106	
	847.5	20635	1	0	22.57	21.42	0.139	
			1	8	22.50	21.35	0.136	
			1	14	22.66	21.51	0.142	
			8	0	21.60	20.45	0.111	
			8	4	21.49	20.34	0.108	
			8	7	21.44	20.29	0.107	
			15	0	21.49	20.34	0.108	

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	21.29	20.14	0.103
				1	8	21.29	20.14	0.103
				1	14	21.36	20.21	0.105
				8	0	21.32	20.17	0.104
				8	4	21.28	20.13	0.103
				8	7	21.28	20.13	0.103
	836.5	20525		15	0	21.38	20.23	0.105
				1	0	21.45	20.30	0.107
				1	8	21.44	20.29	0.107
				1	14	21.37	20.22	0.105
				8	0	21.36	20.21	0.105
				8	4	21.42	20.27	0.106
	847.5	20635		8	7	21.48	20.33	0.108
				15	0	21.45	20.30	0.107
				1	0	21.50	20.35	0.108
				1	8	21.55	20.40	0.110
				1	14	21.48	20.33	0.108
				8	0	21.48	20.33	0.108
				8	4	21.47	20.32	0.108
				8	7	21.46	20.31	0.107
				15	0	21.51	20.36	0.109

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	23.37	22.22	0.167
				1	12	23.13	21.98	0.158
				1	24	23.16	22.01	0.159
				12	0	22.37	21.22	0.132
				12	7	22.31	21.16	0.131
				12	13	22.26	21.11	0.129
				25	0	22.34	21.19	0.132
	836.5	20525		1	0	23.45	22.30	0.170
				1	12	23.38	22.23	0.167
				1	24	23.29	22.14	0.164
				12	0	22.40	21.25	0.133
				12	7	22.37	21.22	0.132
				12	13	22.41	21.26	0.134
				25	0	22.43	21.28	0.134
	846.5	20625		1	0	23.46	22.31	0.170
				1	12	23.36	22.21	0.166
				1	24	23.31	22.16	0.164
				12	0	22.53	21.38	0.137
				12	7	22.39	21.24	0.133
				12	13	22.39	21.24	0.133
				25	0	22.46	21.31	0.135
16QAM	826.5	20425		1	0	22.39	21.24	0.133
				1	12	22.16	21.01	0.126
				1	24	22.36	21.21	0.132
				12	0	21.36	20.21	0.105
				12	7	21.26	20.11	0.103
				12	13	21.26	20.11	0.103
				25	0	21.45	20.30	0.107
	836.5	20525	1	0	22.82	21.67	0.147	
			1	12	22.57	21.42	0.139	
			1	24	22.62	21.47	0.140	
			12	0	21.50	20.35	0.108	
			12	7	21.45	20.30	0.107	
			12	13	21.48	20.33	0.108	
			25	0	21.34	20.19	0.104	
	846.5	20625	1	0	22.72	21.57	0.144	
			1	12	22.56	21.41	0.138	
			1	24	22.37	21.22	0.132	
			12	0	21.52	20.37	0.109	
			12	7	21.51	20.36	0.109	
			12	13	21.44	20.29	0.107	
			25	0	21.47	20.32	0.108	

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	21.37	20.22	0.105
				1	12	21.39	20.24	0.106
				1	24	21.46	20.31	0.107
				12	0	21.42	20.27	0.106
				12	7	21.35	20.20	0.105
				12	13	21.45	20.30	0.107
	836.5	20525		25	0	21.44	20.29	0.107
				1	0	21.41	20.26	0.106
				1	12	21.36	20.21	0.105
				1	24	21.43	20.28	0.107
				12	0	21.47	20.32	0.108
				12	7	21.43	20.28	0.107
	846.5	20625		12	13	21.43	20.28	0.107
				25	0	21.40	20.25	0.106
				1	0	21.48	20.33	0.108
				1	12	21.50	20.35	0.108
				1	24	21.44	20.29	0.107
				12	0	21.48	20.33	0.108
				12	7	21.46	20.31	0.107
				12	13	21.46	20.31	0.107
	25	0		21.40	20.25	0.106		

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	23.21	22.06	0.161	
				1	25	23.29	22.14	0.164	
				1	49	23.30	22.15	0.164	
				25	0	22.26	21.11	0.129	
				25	12	22.34	21.19	0.132	
				25	25	22.37	21.22	0.132	
				50	0	22.33	21.18	0.131	
	836.5	20525		1	0	23.31	22.16	0.164	
				1	25	23.35	22.20	0.166	
				1	49	23.27	22.12	0.163	
				25	0	22.34	21.19	0.132	
				25	12	22.33	21.18	0.131	
				25	25	22.36	21.21	0.132	
				50	0	22.34	21.19	0.132	
	844	20600		1	0	23.43	22.28	0.169	
				1	25	23.14	21.99	0.158	
				1	49	23.13	21.98	0.158	
				25	0	22.42	21.27	0.134	
				25	12	22.44	21.29	0.135	
				25	25	22.40	21.25	0.133	
				50	0	22.41	21.26	0.134	
	16QAM	829		20450	1	0	22.40	21.25	0.133
					1	25	22.43	21.28	0.134
					1	49	22.78	21.63	0.146
25					0	21.31	20.16	0.104	
25					12	21.35	20.20	0.105	
25					25	21.42	20.27	0.106	
50					0	21.41	20.26	0.106	
836.5		20525		1	0	22.47	21.32	0.136	
				1	25	22.47	21.32	0.136	
				1	49	22.51	21.36	0.137	
				25	0	21.40	20.25	0.106	
				25	12	21.56	20.41	0.110	
				25	25	21.56	20.41	0.110	
				50	0	21.37	20.22	0.105	
844		20600		1	0	23.03	21.88	0.154	
				1	25	22.74	21.59	0.144	
				1	49	22.73	21.58	0.144	
				25	0	21.47	20.32	0.108	
				25	12	21.57	20.42	0.110	
				25	25	21.52	20.37	0.109	
				50	0	21.44	20.29	0.107	

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	21.38	20.23	0.105
				1	25	21.32	20.17	0.104
				1	49	21.38	20.23	0.105
				25	0	21.37	20.22	0.105
				25	12	21.39	20.24	0.106
				25	25	21.38	20.23	0.105
	836.5	20525		50	0	21.37	20.22	0.105
				1	0	21.45	20.30	0.107
				1	25	21.26	20.11	0.103
				1	49	21.33	20.18	0.104
				25	0	21.41	20.26	0.106
				25	12	21.43	20.28	0.107
	844	20600		25	25	21.41	20.26	0.106
				50	0	21.43	20.28	0.107
				1	0	21.50	20.35	0.108
				1	25	21.39	20.24	0.106
				1	49	21.50	20.35	0.108
				25	0	21.36	20.21	0.105
				25	12	21.44	20.29	0.107
				25	25	21.43	20.28	0.107
				50	0	21.45	20.30	0.107