

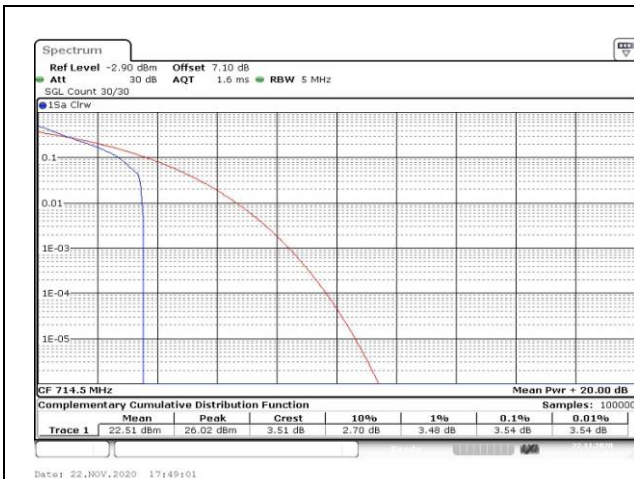


Fig.31

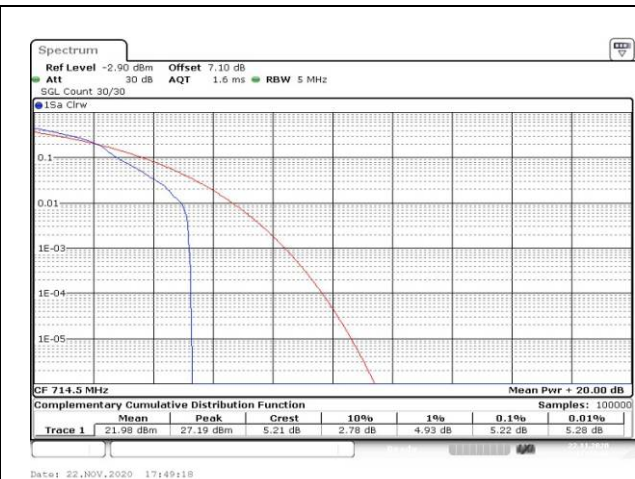


Fig.32



Fig.33

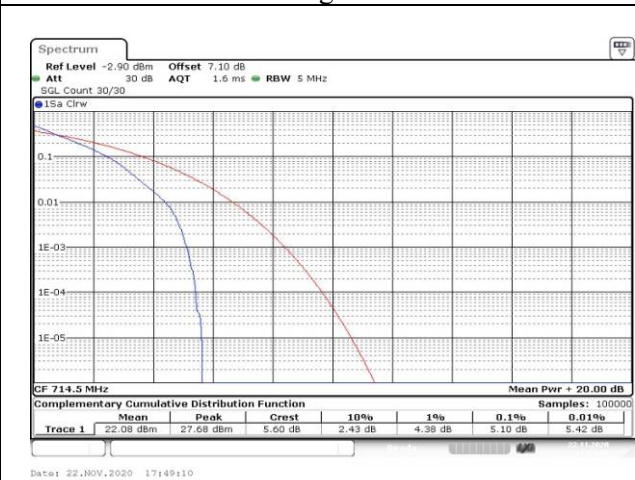


Fig.34

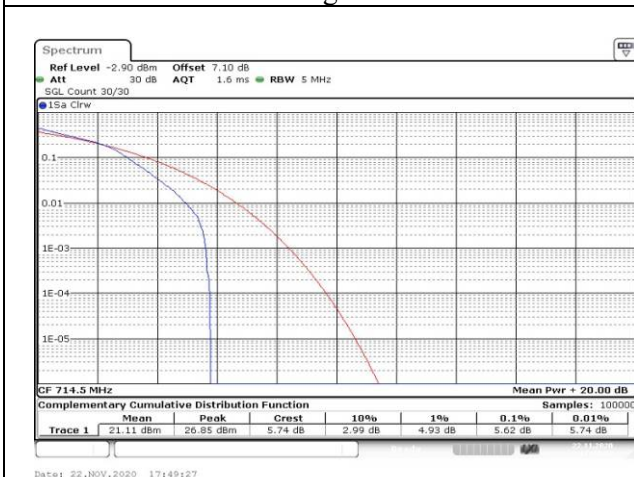


Fig.35

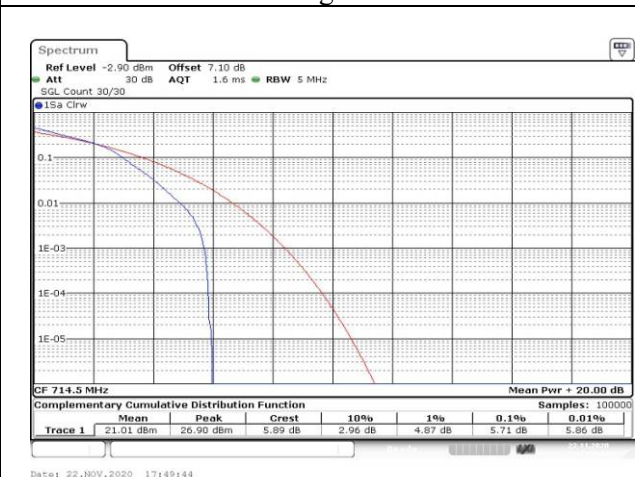


Fig.36

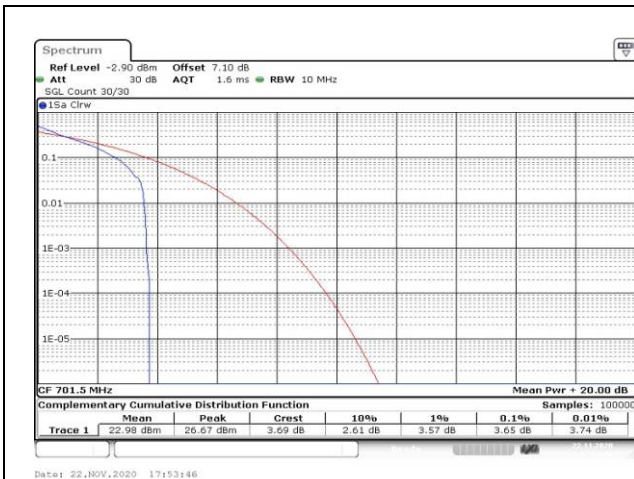


Fig.37

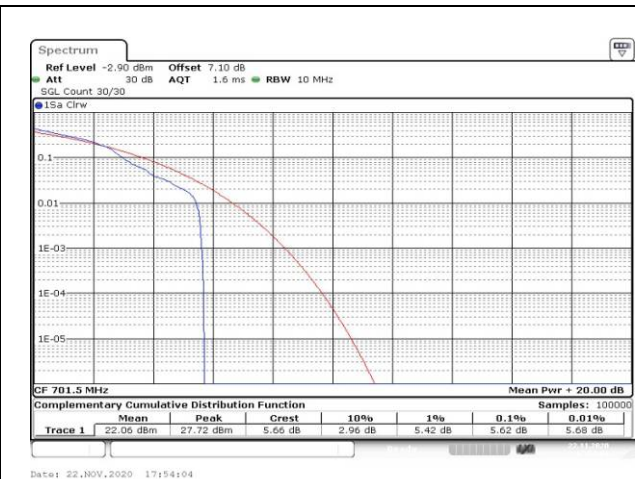


Fig.38



Fig.39

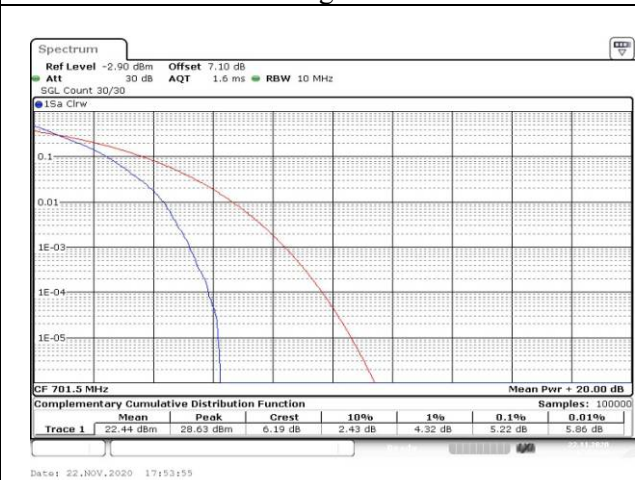


Fig.40

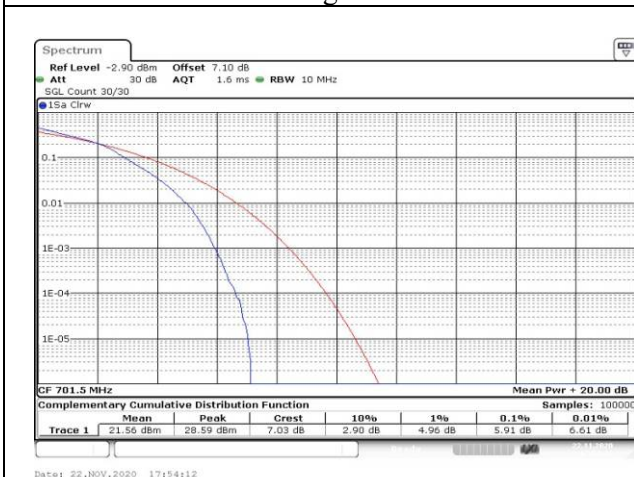


Fig.41

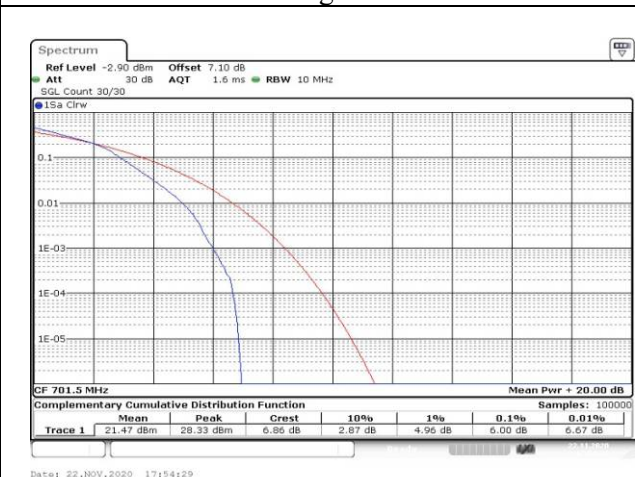


Fig.42

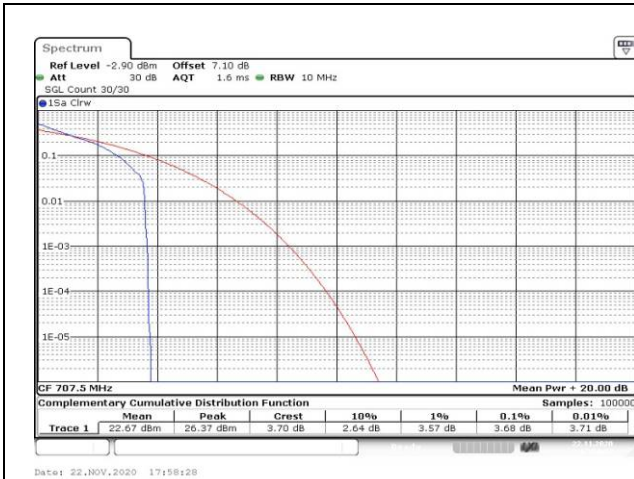


Fig.43

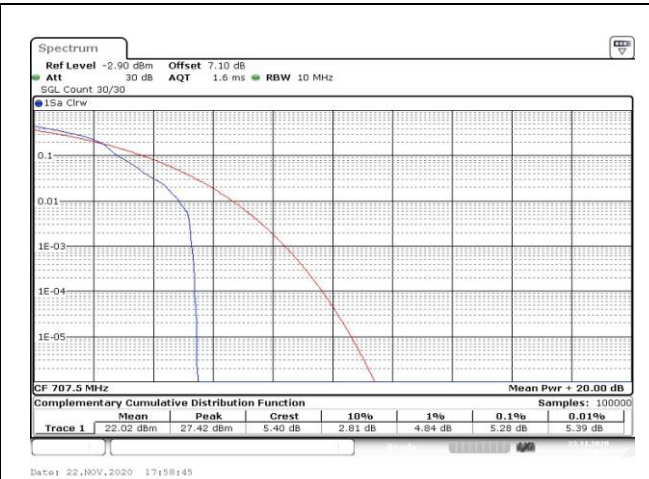


Fig.44



Fig.45



Fig.46

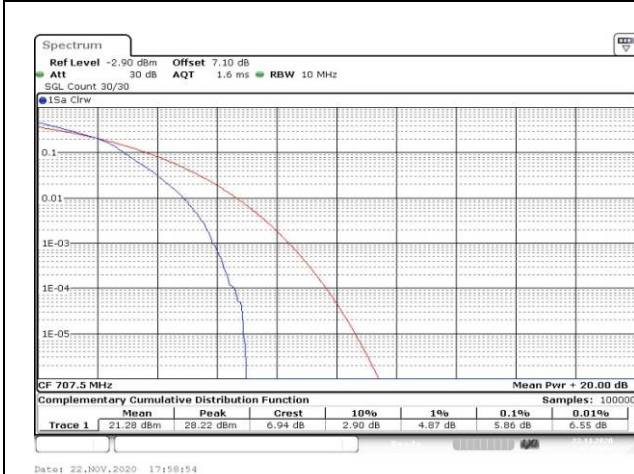


Fig.47

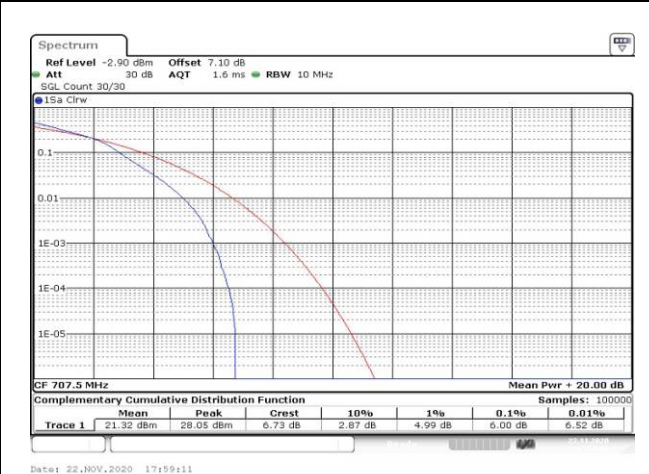


Fig.48

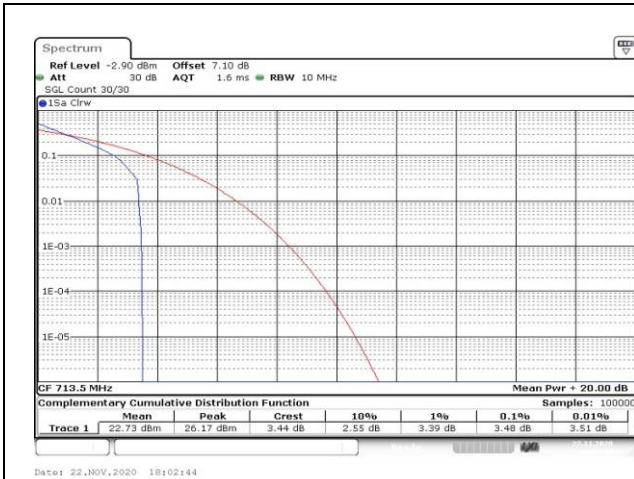


Fig.49

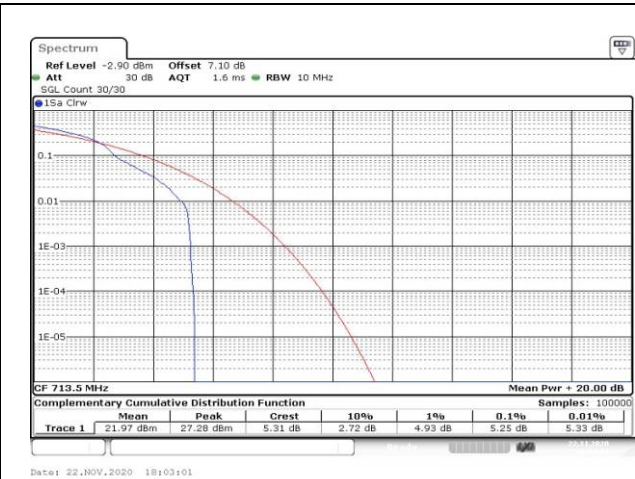


Fig.50



Fig.51



Fig.52



Fig.53



Fig.54

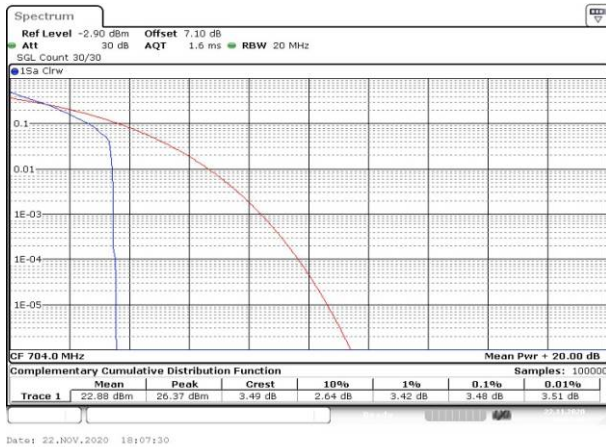


Fig.55

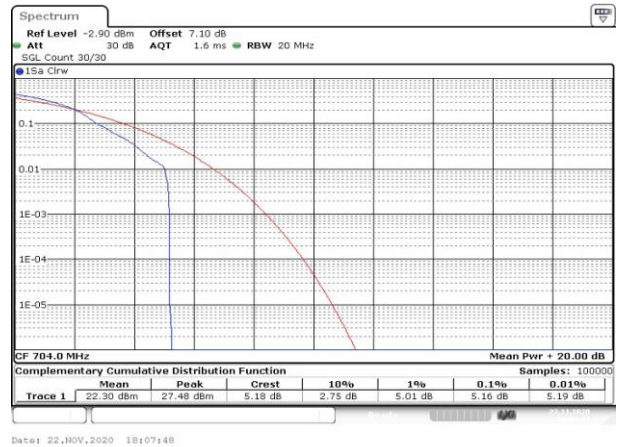


Fig.56

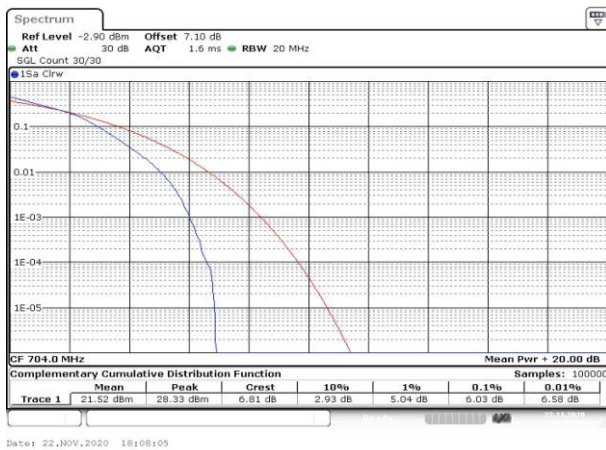


Fig.57

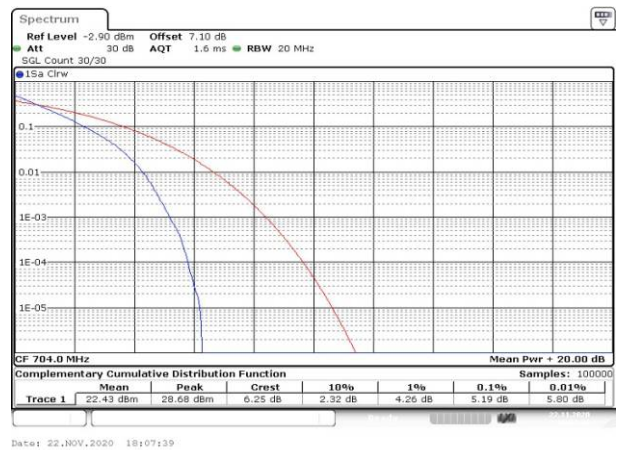


Fig.58

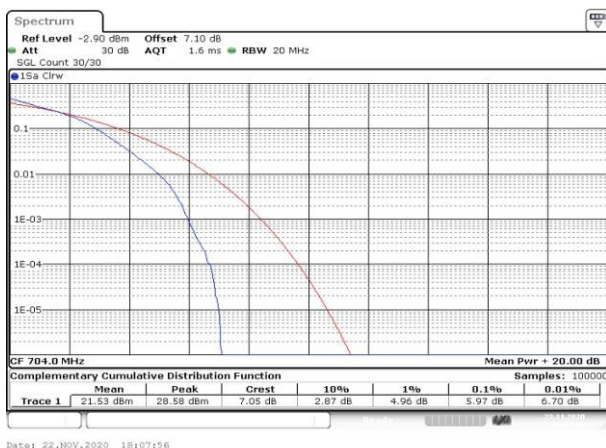


Fig.59

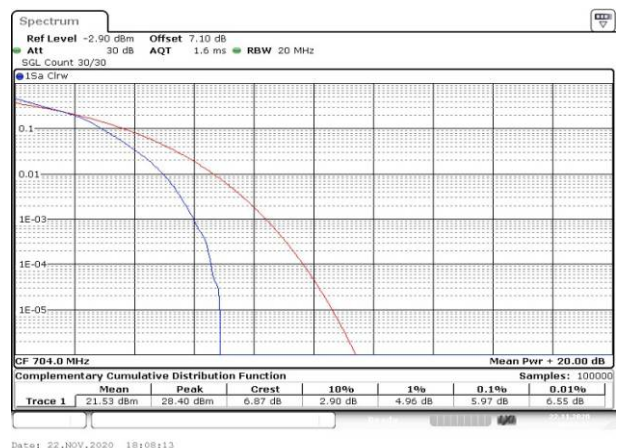


Fig.60

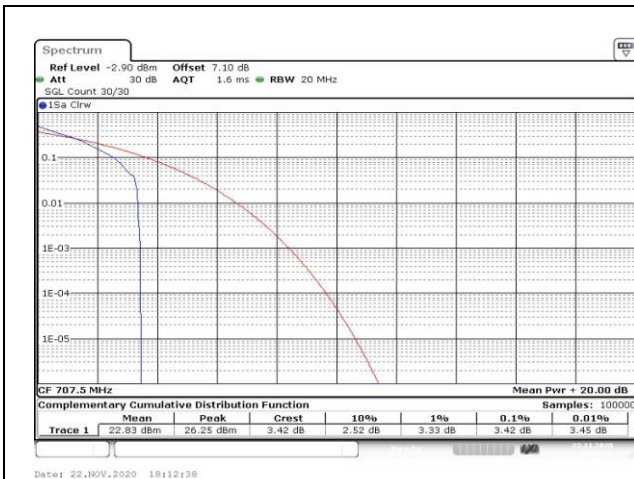


Fig.61

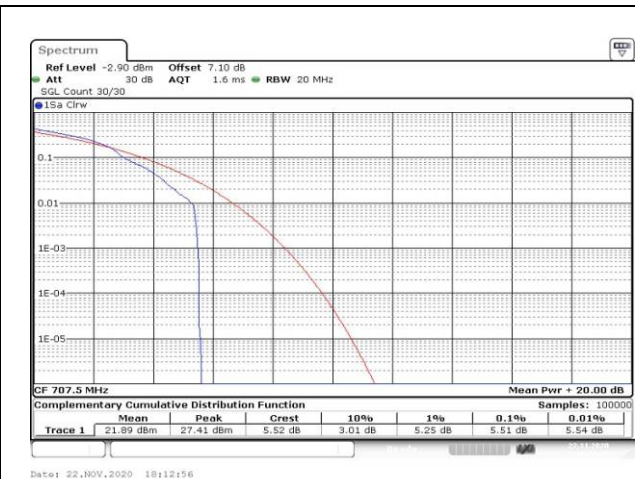


Fig.62



Fig.63

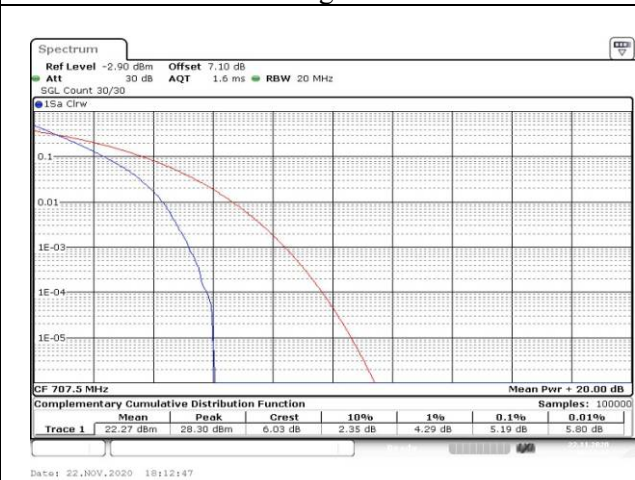


Fig.64

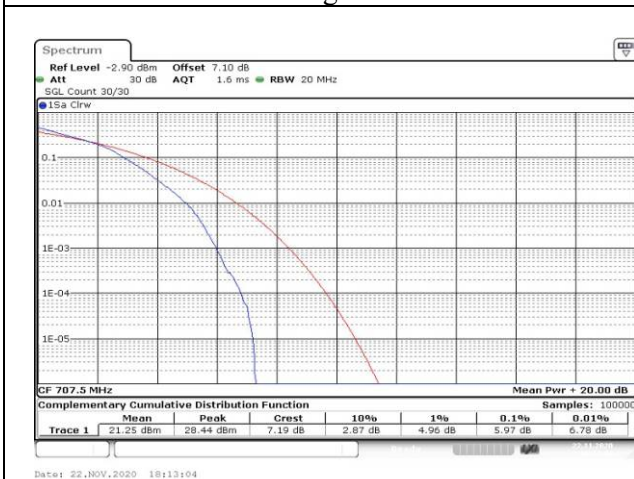


Fig.65

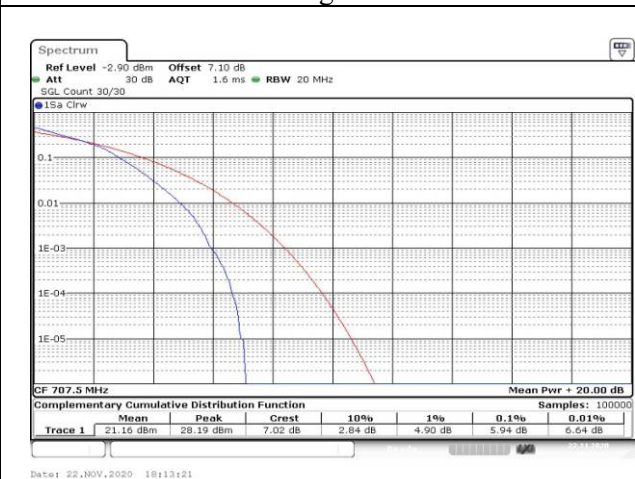


Fig.66



Fig.67

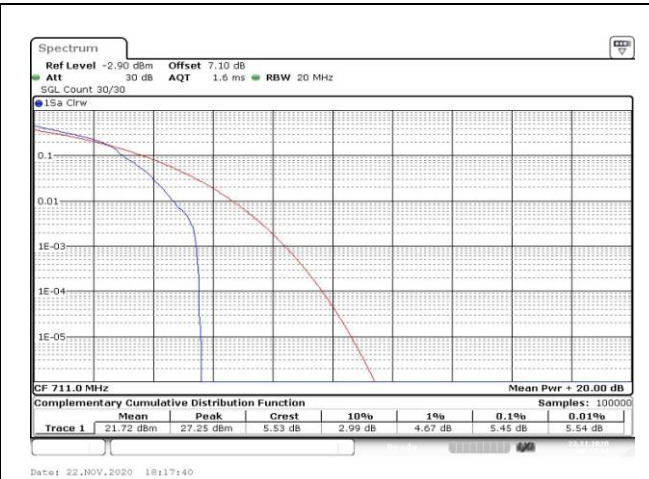


Fig.68



Fig.69



Fig.70

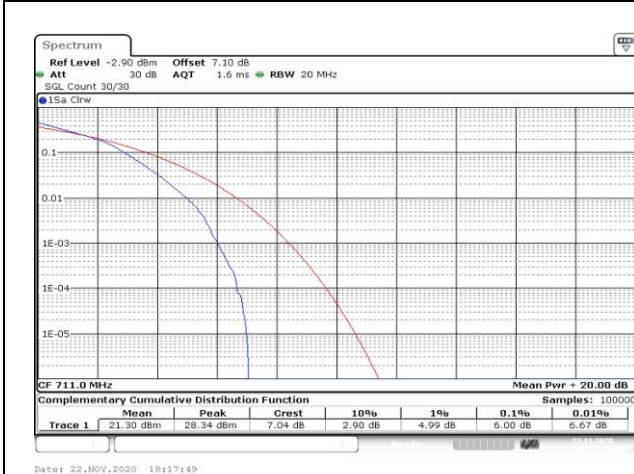


Fig.71

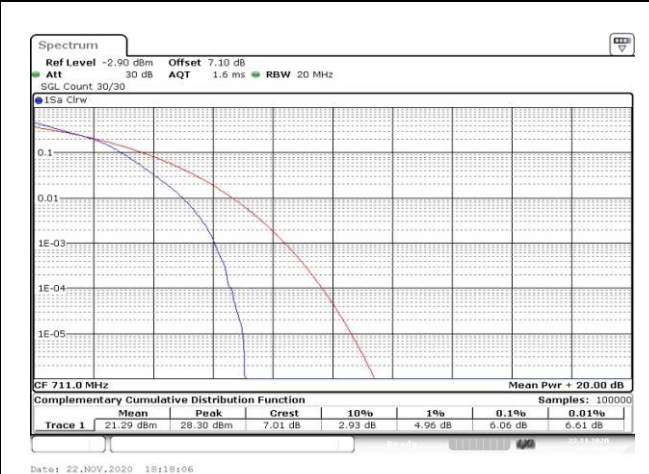


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot QPSK
12	704	23060	10	1	99	Fig.1
	707.5	23095		1	99	Fig.2
	711	23130		1	99	Fig.3

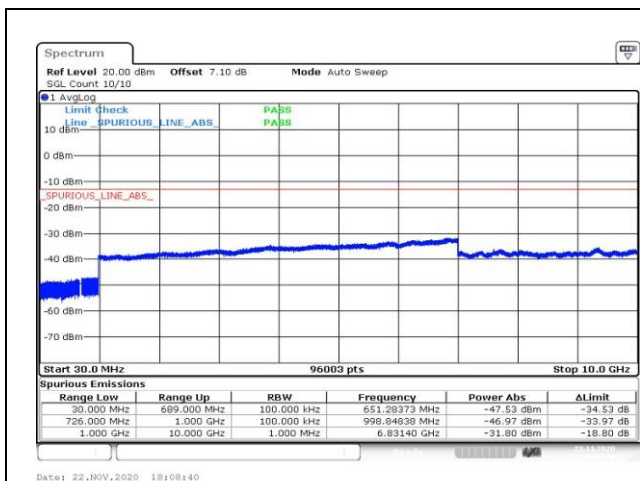


Fig.1

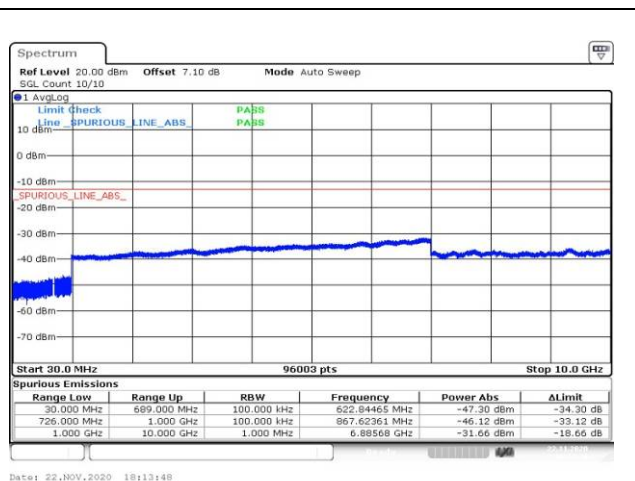


Fig.2

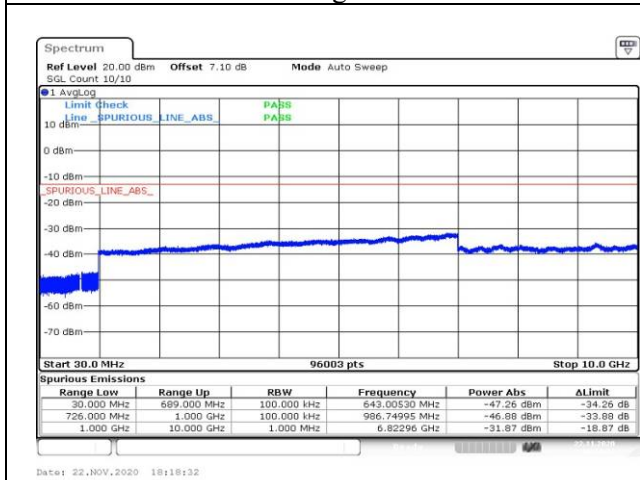


Fig.3

6 Band Edges Compliance

Band Edges Compliance						
Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
12	699.7	23017	1.4	1	0	Fig.1
				6	0	Fig.2
	715.3	23173		1	5	Fig.3
				6	0	Fig.4
	700.5	23025	3	1	0	Fig.5
				15	0	Fig.6
	714.5	23165		1	14	Fig.7
				15	0	Fig.8
	701.5	23035	5	1	0	Fig.9
				25	0	Fig.10
	713.5	23155		1	24	Fig.11
				25	0	Fig.12
	704	23060	10	1	0	Fig.13
				50	0	Fig.14
	711	23130		1	49	Fig.15
				50	0	Fig.16

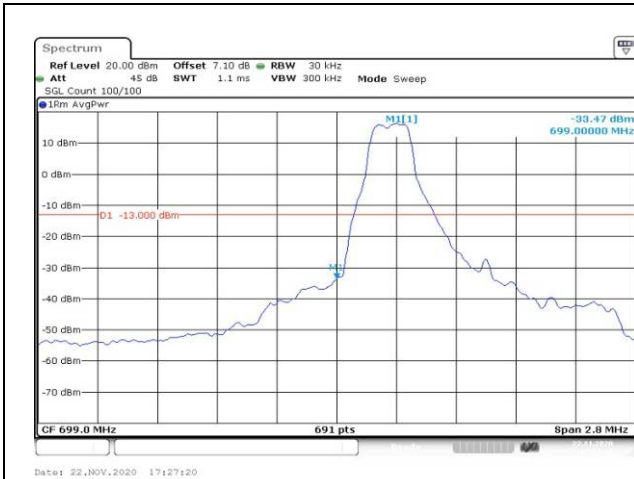


Fig.1

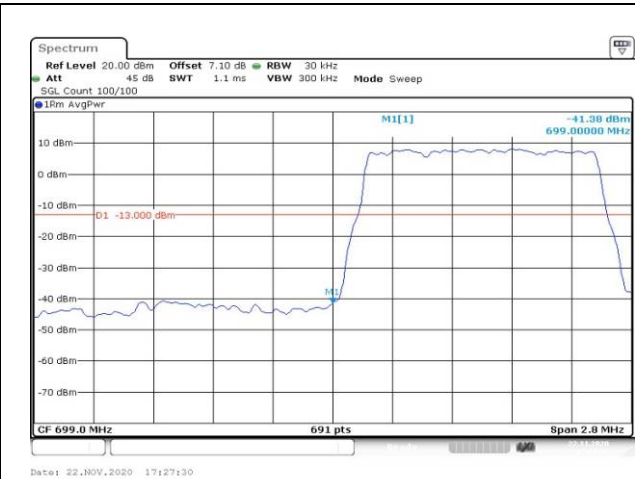


Fig.2

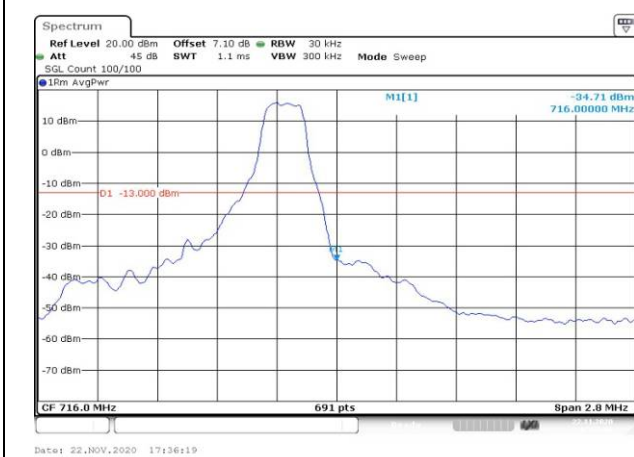


Fig.3

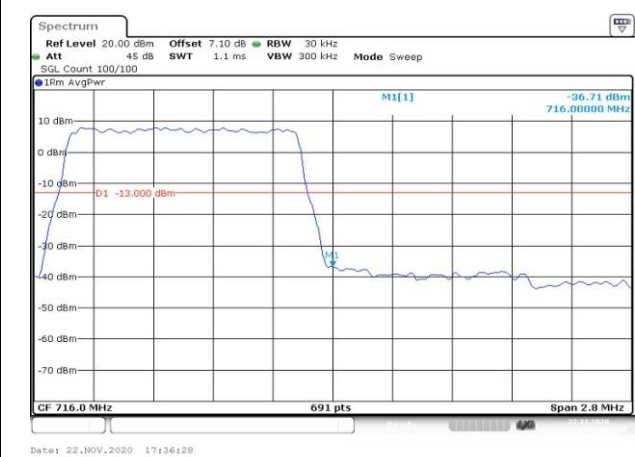


Fig.4

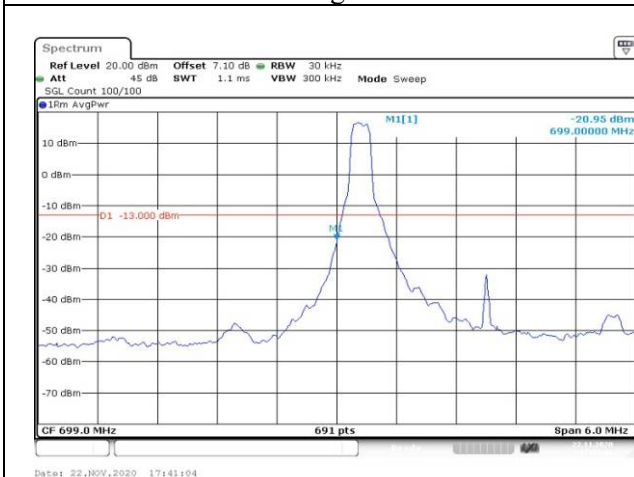


Fig.5

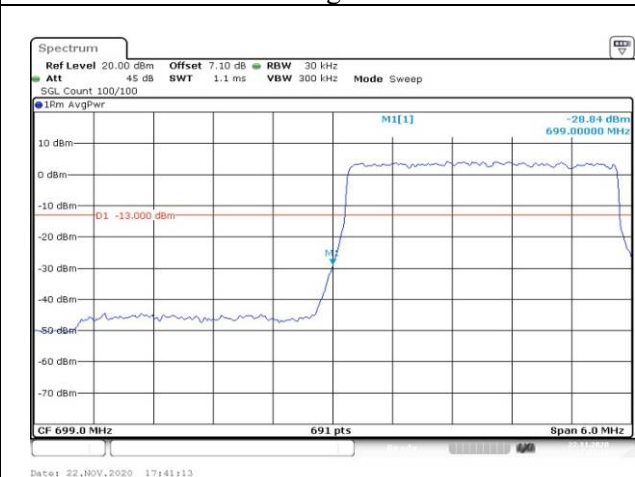
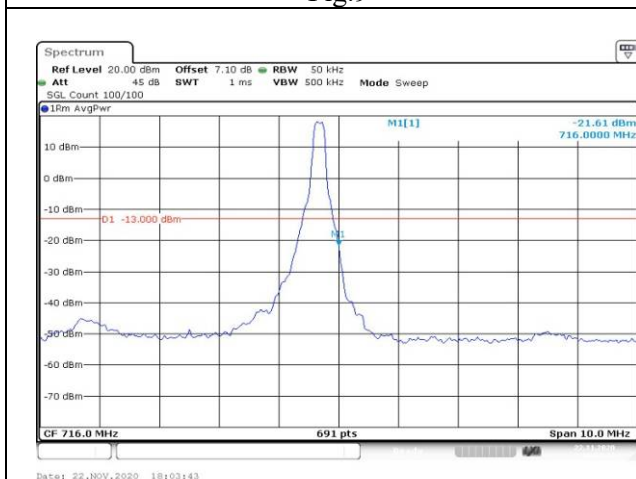
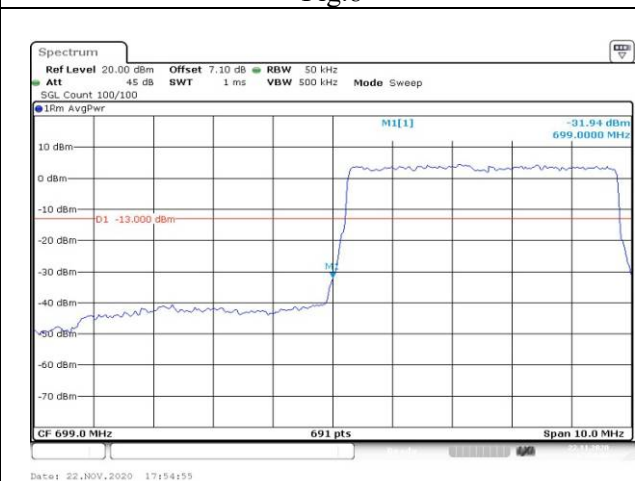
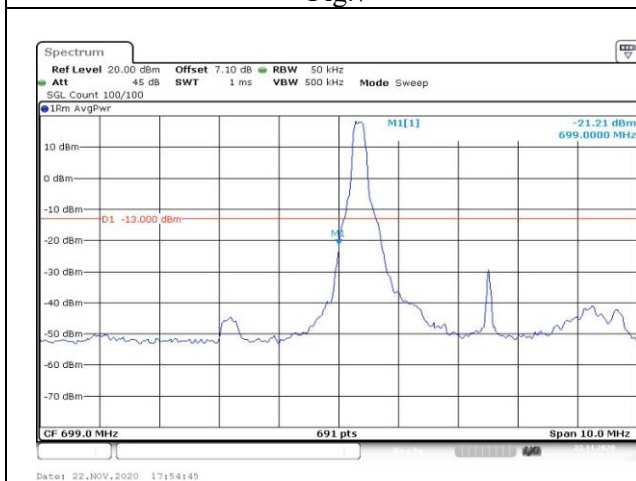
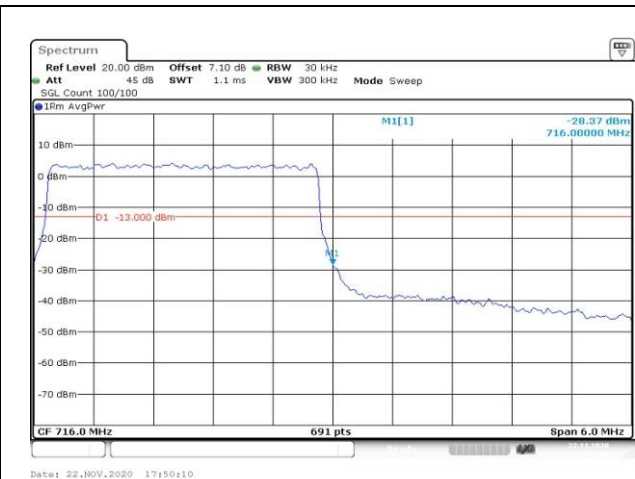
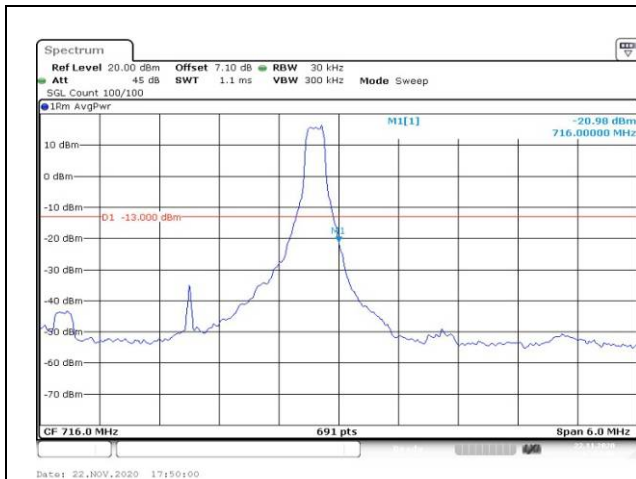


Fig.6



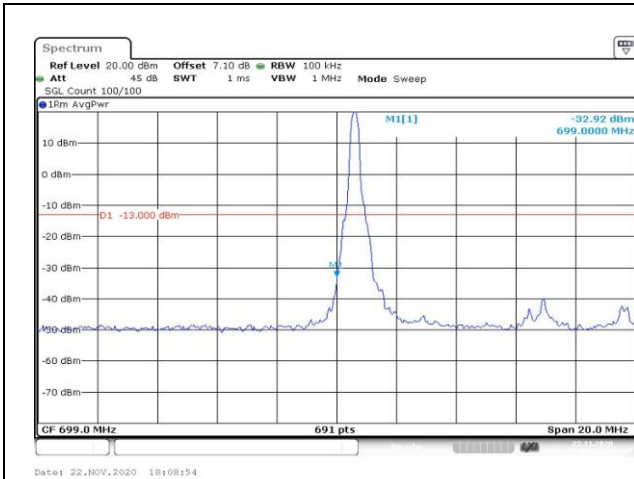


Fig.13

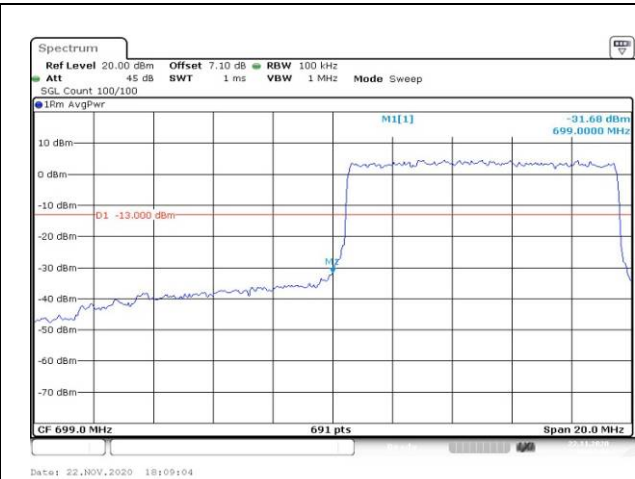


Fig.14

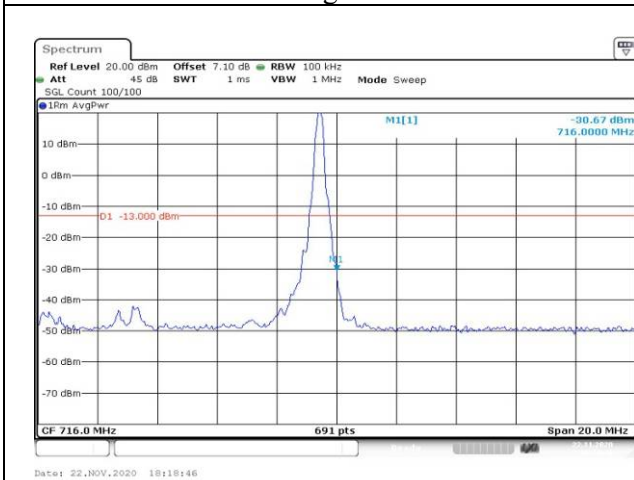


Fig.15

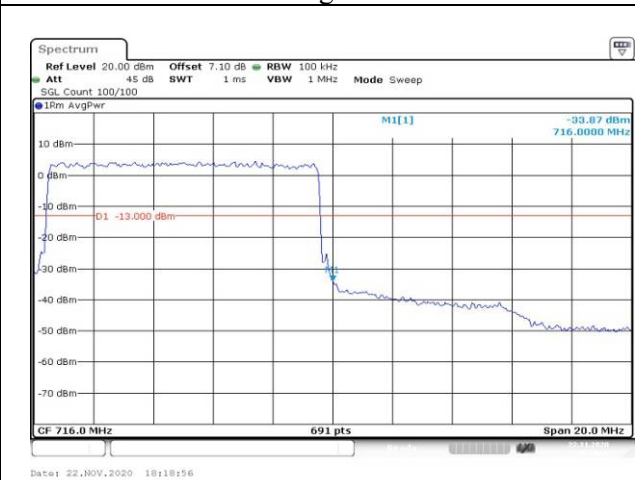


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band12 Low Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	0.006	-0.004	-0.001	0.001
-10	NV	0.001	0.014	0.013	0.011
0	NV	0.015	-0.009	-0.002	-0.009
+10	NV	-0.006	0.007	-0.012	0.011
+20	NV	0.000	0.000	0.000	0.000
+30	NV	0.007	-0.008	-0.003	0.013
+40	NV	0.007	0.001	0.002	-0.006
+50	NV	0.009	-0.010	0.003	-0.013
+55	NV	0.004	-0.008	0.008	-0.004
+20	LV	0.015	-0.008	0.012	0.011
+20	HV	0.012	-0.011	0.015	0.013

Temperature(°C)	Voltage	Test Result (ppm) Band12 High Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	0.005	0.006	-0.007	0.013
-10	NV	0.004	0.010	0.005	-0.006
0	NV	0.003	0.000	-0.010	0.016
+10	NV	0.002	-0.001	0.009	0.002
+20	NV	0.000	0.000	0.000	0.000
+30	NV	0.002	-0.006	-0.009	0.010
+40	NV	-0.006	0.006	-0.002	-0.006
+50	NV	0.004	-0.009	0.001	-0.004
+55	NV	0.009	-0.005	0.002	-0.003
+20	LV	0.015	0.015	0.009	-0.011
+20	HV	0.005	0.006	-0.007	0.013

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	699.7	23017	1.4	1	0	23.56	22.41	0.174	
				1	3	23.55	22.40	0.174	
				1	5	23.47	22.32	0.171	
				3	0	23.53	22.38	0.173	
				3	1	23.52	22.37	0.173	
				3	3	23.52	22.37	0.173	
	6	0		22.62	21.47	0.140			
	707.5	23095		1	0	23.44	22.29	0.169	
				1	3	23.46	22.31	0.170	
				1	5	23.45	22.30	0.170	
				3	0	23.38	22.23	0.167	
				3	1	23.48	22.33	0.171	
				3	3	23.42	22.27	0.169	
	6	0		22.44	21.29	0.135			
	715.3	23173		1	0	23.34	22.19	0.166	
				1	3	23.34	22.19	0.166	
				1	5	23.29	22.14	0.164	
				3	0	23.36	22.21	0.166	
				3	1	23.26	22.11	0.163	
				3	3	23.21	22.06	0.161	
	16QAM	699.7		23017	6	0	22.32	21.17	0.131
					1	0	22.69	21.54	0.143
					1	3	22.81	21.66	0.147
					1	5	22.55	21.40	0.138
3					0	22.70	21.55	0.143	
3					1	22.86	21.71	0.148	
3		3		22.77	21.62	0.145			
6		0		21.68	20.53	0.113			
707.5		23095		1	0	22.72	21.57	0.144	
				1	3	22.53	21.38	0.137	
			1	5	22.56	21.41	0.138		
			3	0	22.35	21.20	0.132		
			3	1	22.53	21.38	0.137		
			3	3	22.63	21.48	0.141		
6		0	21.59	20.44	0.111				
715.3		23173	1	0	22.69	21.54	0.143		
			1	3	22.69	21.54	0.143		
			1	5	22.69	21.54	0.143		
			3	0	22.46	21.31	0.135		
			3	1	22.44	21.29	0.135		
			3	3	22.35	21.20	0.132		
6		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	699.7	23017	1.4	1	0	21.59	20.44	0.111
				1	3	21.57	20.42	0.110
				1	5	21.57	20.42	0.110
				3	0	21.64	20.49	0.112
				3	1	21.64	20.49	0.112
				3	3	21.65	20.50	0.112
	6	0		21.81	20.66	0.116		
	707.5	23095		1	0	21.47	20.32	0.108
				1	3	21.52	20.37	0.109
				1	5	21.45	20.30	0.107
				3	0	21.52	20.37	0.109
				3	1	21.51	20.36	0.109
				3	3	21.52	20.37	0.109
	6	0		21.59	20.44	0.111		
	715.3	23173		1	0	21.39	20.24	0.106
				1	3	21.46	20.31	0.107
				1	5	21.45	20.30	0.107
				3	0	21.38	20.23	0.105
				3	1	21.40	20.25	0.106
				3	3	21.46	20.31	0.107
				6	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)
QPSK	700.5	23025	3	1	0	23.63	22.48	0.177
				1	8	23.52	22.37	0.173
				1	14	23.54	22.39	0.173
				8	0	22.70	21.55	0.143
				8	4	22.62	21.47	0.140
				8	7	22.64	21.49	0.141
				15	0	22.67	21.52	0.142
	707.5	23095		1	0	23.70	22.55	0.180
				1	8	23.53	22.38	0.173
				1	14	23.58	22.43	0.175
				8	0	22.56	21.41	0.138
				8	4	22.56	21.41	0.138
				8	7	22.60	21.45	0.140
				15	0	22.63	21.48	0.141
	714.5	23165		1	0	23.51	22.36	0.172
				1	8	23.40	22.25	0.168
				1	14	23.49	22.34	0.171
				8	0	22.51	21.36	0.137
				8	4	22.43	21.28	0.134
				8	7	22.38	21.23	0.133
				15	0	22.47	21.32	0.136
16QAM	700.5	23025	1	0	22.96	21.81	0.152	
			1	8	22.85	21.70	0.148	
			1	14	22.90	21.75	0.150	
			8	0	21.69	20.54	0.113	
			8	4	21.69	20.54	0.113	
			8	7	21.69	20.54	0.113	
			15	0	21.65	20.50	0.112	
	707.5	23095	1	0	22.86	21.71	0.148	
			1	8	22.81	21.66	0.147	
			1	14	22.83	21.68	0.147	
			8	0	21.53	20.38	0.109	
			8	4	21.56	20.41	0.110	
			8	7	21.60	20.45	0.111	
			15	0	21.61	20.46	0.111	
	714.5	23165	1	0	22.85	21.70	0.148	
			1	8	22.66	21.51	0.142	
			1	14	22.80	21.65	0.146	
			8	0	21.45	20.30	0.107	
			8	4	21.39	20.24	0.106	
			8	7	21.45	20.30	0.107	
			15	0	21.39	20.24	0.106	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	700.5	23025	3	1	0	21.76	20.61	0.115
				1	8	21.74	20.59	0.115
				1	14	21.72	20.57	0.114
				8	0	21.77	20.62	0.115
				8	4	21.74	20.59	0.115
				8	7	21.63	20.48	0.112
	15	0		21.68	20.53	0.113		
	707.5	23095		1	0	21.67	20.52	0.113
				1	8	21.56	20.41	0.110
				1	14	21.64	20.49	0.112
				8	0	21.65	20.50	0.112
				8	4	21.60	20.45	0.111
				8	7	21.57	20.42	0.110
	15	0		21.57	20.42	0.110		
	714.5	23165		1	0	21.44	20.29	0.107
				1	8	21.52	20.37	0.109
				1	14	21.49	20.34	0.108
				8	0	21.41	20.26	0.106
				8	4	21.41	20.26	0.106
				8	7	21.42	20.27	0.106
				15	0	21.41	20.26	0.106

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	701.5	23035	5	1	0	23.60	22.45	0.176
				1	12	23.62	22.47	0.177
				1	24	23.60	22.45	0.176
				12	0	22.73	21.58	0.144
				12	7	22.66	21.51	0.142
				12	13	22.66	21.51	0.142
				25	0	22.69	21.54	0.143
	707.5	23095		1	0	23.65	22.50	0.178
				1	12	23.56	22.41	0.174
				1	24	23.51	22.36	0.172
				12	0	22.69	21.54	0.143
				12	7	22.61	21.46	0.140
				12	13	22.62	21.47	0.140
				25	0	22.56	21.41	0.138
	713.5	23155		1	0	23.50	22.35	0.172
				1	12	23.36	22.21	0.166
				1	24	23.45	22.30	0.170
				12	0	22.53	21.38	0.137
				12	7	22.45	21.30	0.135
				12	13	22.51	21.36	0.137
				25	0	22.45	21.30	0.135
16QAM	701.5	23035		1	0	22.77	21.62	0.145
				1	12	22.60	21.45	0.140
				1	24	22.56	21.41	0.138
				12	0	21.79	20.64	0.116
				12	7	21.75	20.60	0.115
				12	13	21.68	20.53	0.113
				25	0	21.82	20.67	0.117
	707.5	23095	1	0	23.00	21.85	0.153	
			1	12	22.60	21.45	0.140	
			1	24	22.58	21.43	0.139	
			12	0	21.68	20.53	0.113	
			12	7	21.66	20.51	0.112	
			12	13	21.60	20.45	0.111	
			25	0	21.61	20.46	0.111	
	713.5	23155	1	0	22.74	21.59	0.144	
			1	12	22.90	21.75	0.150	
			1	24	22.84	21.69	0.148	
			12	0	21.58	20.43	0.110	
			12	7	21.61	20.46	0.111	
			12	13	21.42	20.27	0.106	
			25	0	21.54	20.39	0.109	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	701.5	23035	5	1	0	21.73	20.58	0.114
				1	12	21.71	20.56	0.114
				1	24	21.68	20.53	0.113
				12	0	21.76	20.61	0.115
				12	7	21.70	20.55	0.114
				12	13	21.76	20.61	0.115
	707.5	23095		25	0	21.73	20.58	0.114
				1	0	21.67	20.52	0.113
				1	12	21.60	20.45	0.111
				1	24	21.66	20.51	0.112
				12	0	21.68	20.53	0.113
				12	7	21.72	20.57	0.114
	713.5	23155		12	13	21.60	20.45	0.111
				25	0	21.64	20.49	0.112
				1	0	21.58	20.43	0.110
				1	12	21.56	20.41	0.110
				1	24	21.54	20.39	0.109
				12	0	21.51	20.36	0.109
				12	7	21.49	20.34	0.108
				12	13	21.54	20.39	0.109
	25	0		21.50	20.35	0.108		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	704	23060	10	1	0	23.69	22.54	0.179	
				1	25	23.49	22.34	0.171	
				1	49	23.59	22.44	0.175	
				25	0	22.62	21.47	0.140	
				25	12	22.62	21.47	0.140	
				25	25	22.64	21.49	0.141	
				50	0	22.72	21.57	0.144	
	707.5	23095		1	0	23.54	22.39	0.173	
				1	25	23.47	22.32	0.171	
				1	49	23.39	22.24	0.167	
				25	0	22.66	21.51	0.142	
				25	12	22.64	21.49	0.141	
				25	25	22.64	21.49	0.141	
				50	0	22.57	21.42	0.139	
	711	23130		1	0	24.00	22.85	0.193	
				1	25	23.43	22.28	0.169	
				1	49	23.42	22.27	0.169	
				25	0	22.62	21.47	0.140	
				25	12	22.54	21.39	0.138	
				25	25	22.48	21.33	0.136	
				50	0	22.63	21.48	0.141	
	16QAM	704		23060	1	0	22.76	21.61	0.145
					1	25	22.43	21.28	0.134
					1	49	22.71	21.56	0.143
25					0	21.79	20.64	0.116	
25					12	21.72	20.57	0.114	
25					25	21.71	20.56	0.114	
50					0	21.74	20.59	0.115	
707.5		23095		1	0	22.69	21.54	0.143	
				1	25	22.63	21.48	0.141	
				1	49	22.57	21.42	0.139	
				25	0	21.66	20.51	0.112	
				25	12	21.55	20.40	0.110	
				25	25	21.60	20.45	0.111	
				50	0	21.58	20.43	0.110	
711		23130		1	0	22.94	21.79	0.151	
				1	25	22.67	21.52	0.142	
				1	49	22.81	21.66	0.147	
				25	0	21.67	20.52	0.113	
				25	12	21.60	20.45	0.111	
				25	25	21.58	20.43	0.110	
				50	0	21.63	20.48	0.112	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	704	23060	10	1	0	21.70	20.55	0.114
				1	25	21.71	20.56	0.114
				1	49	21.72	20.57	0.114
				25	0	21.78	20.63	0.116
				25	12	21.69	20.54	0.113
				25	25	21.74	20.59	0.115
	707.5	23095		50	0	21.72	20.57	0.114
				1	0	21.64	20.49	0.112
				1	25	21.62	20.47	0.111
				1	49	21.58	20.43	0.110
				25	0	21.58	20.43	0.110
				25	12	21.63	20.48	0.112
	711	23130		25	25	21.63	20.48	0.112
				50	0	21.54	20.39	0.109
				1	0	21.63	20.48	0.112
				1	25	21.57	20.42	0.110
				1	49	21.56	20.41	0.110
				25	0	21.65	20.50	0.112
				25	12	21.59	20.44	0.111
				25	25	21.65	20.50	0.112
				50	0	21.61	20.46	0.111