

Fig.19

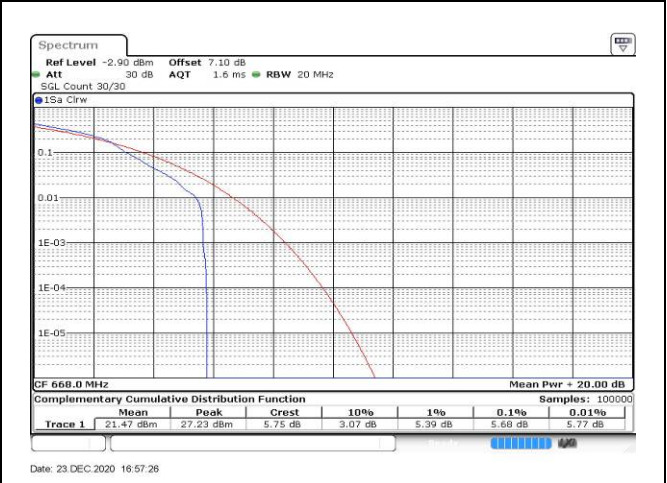


Fig.20

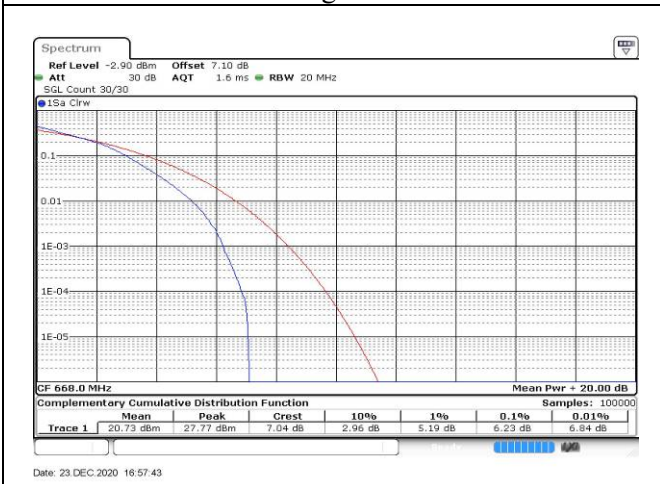


Fig.21

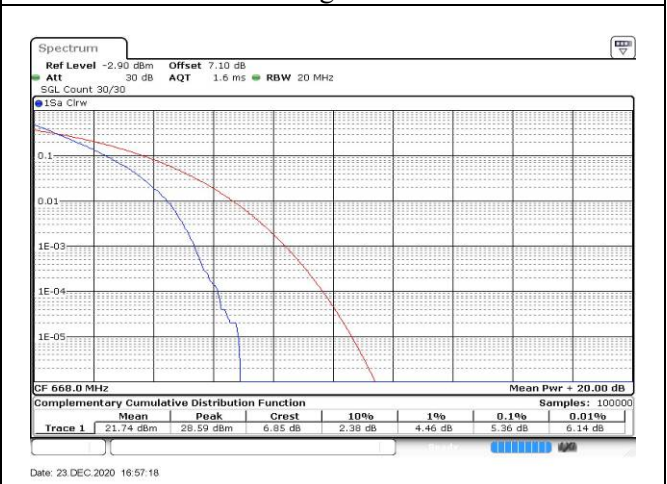


Fig.22

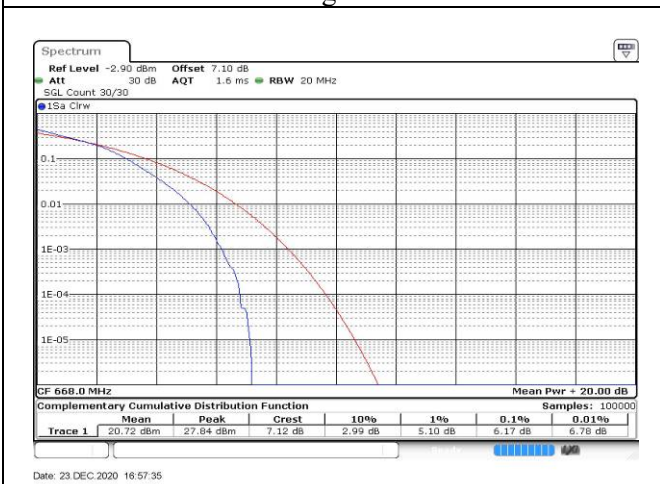


Fig.23

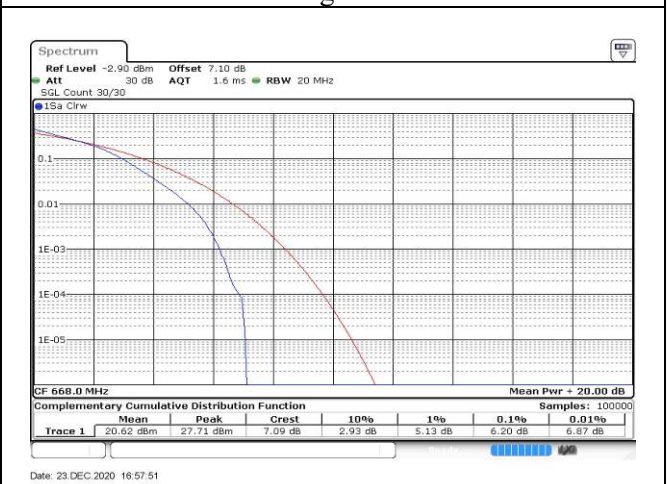


Fig.24

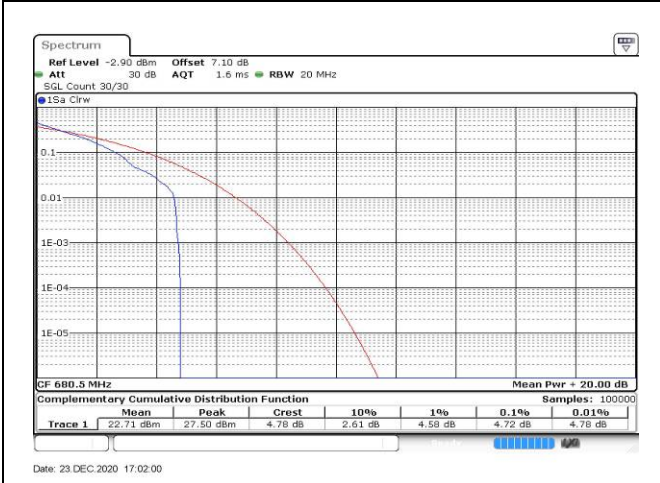


Fig.25

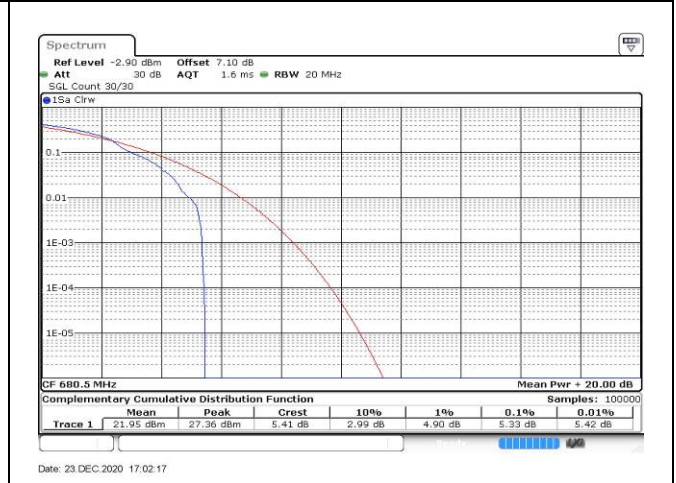


Fig.26

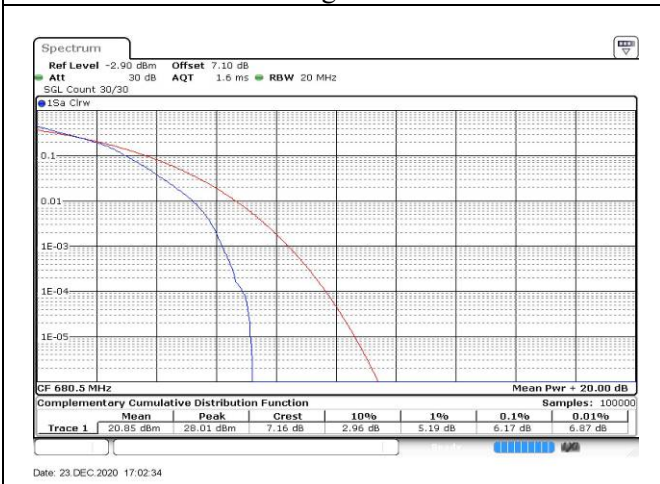


Fig.27

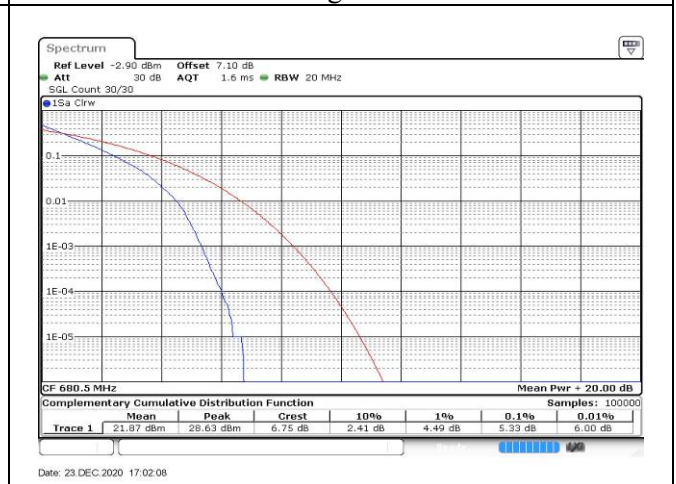


Fig.28

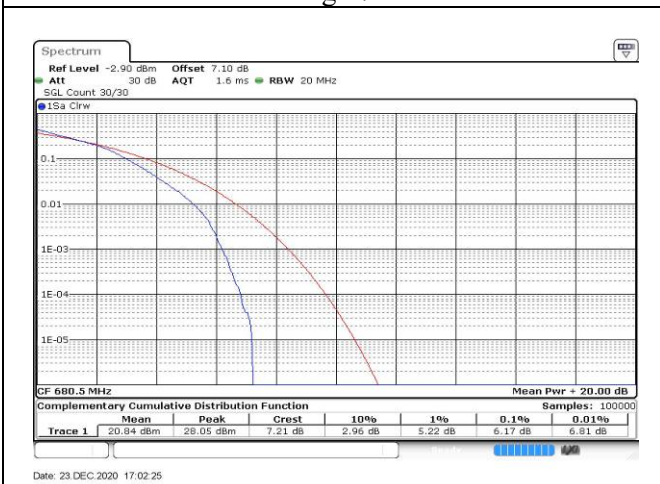


Fig.29

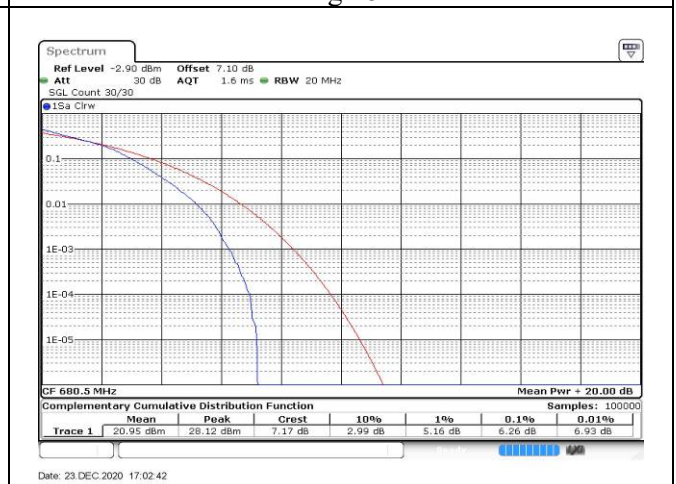


Fig.30

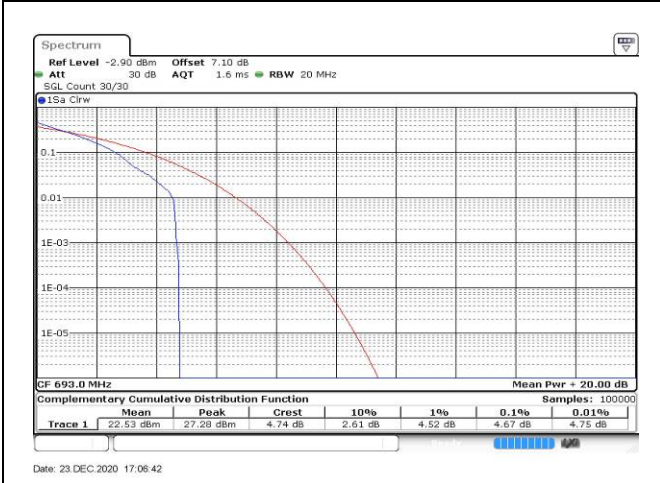


Fig.31

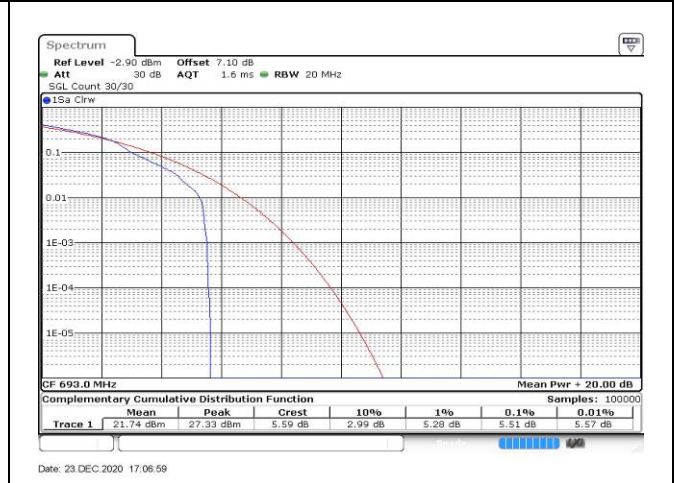


Fig.32

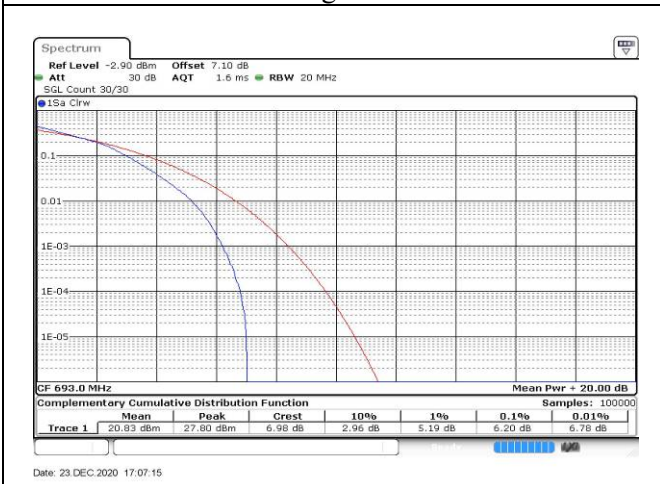


Fig.33

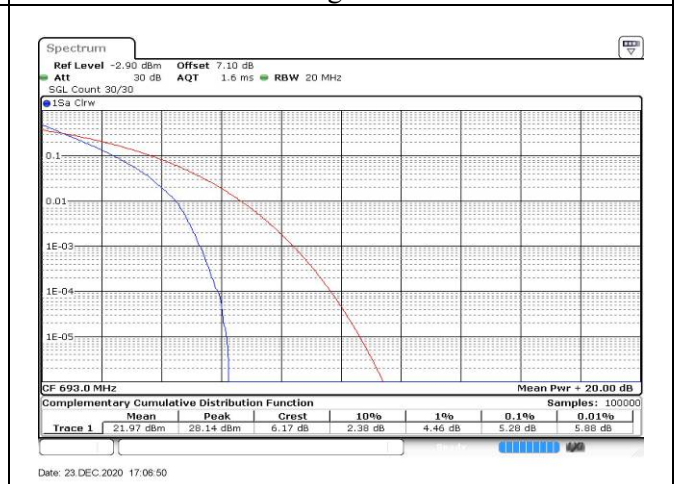


Fig.34

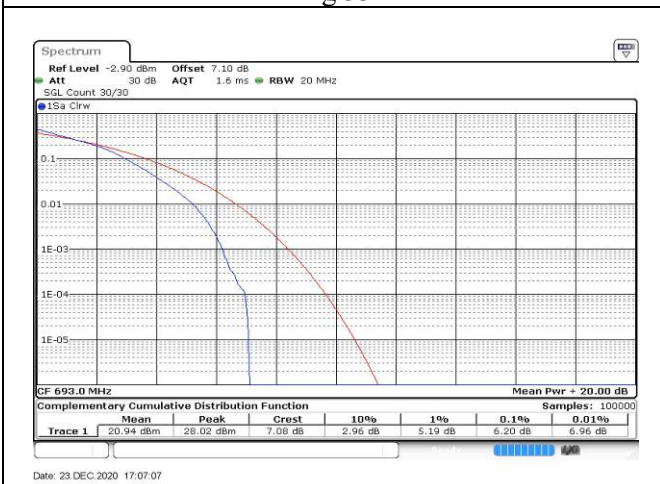


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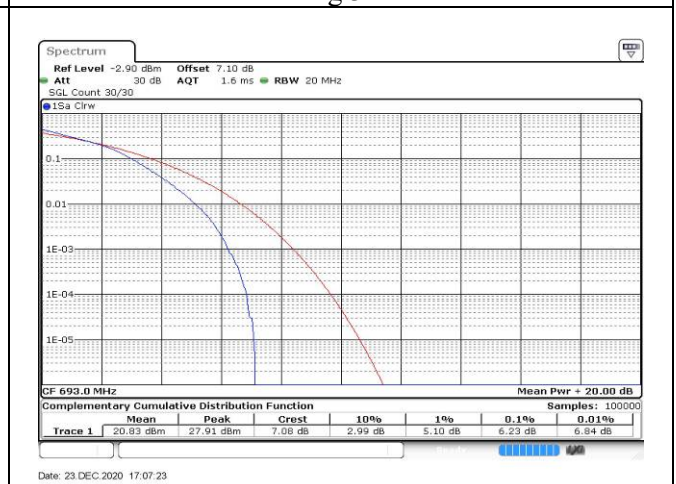


Fig.36

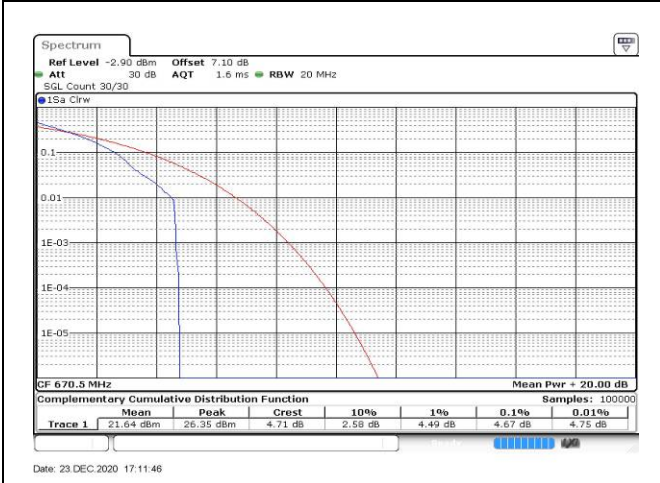


Fig.37

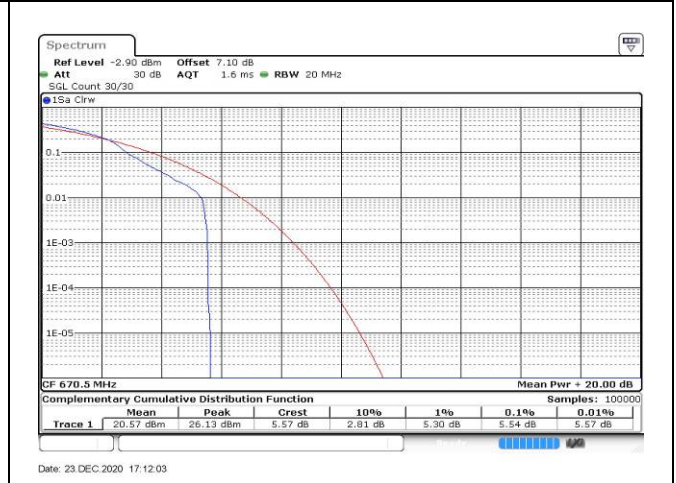


Fig.38

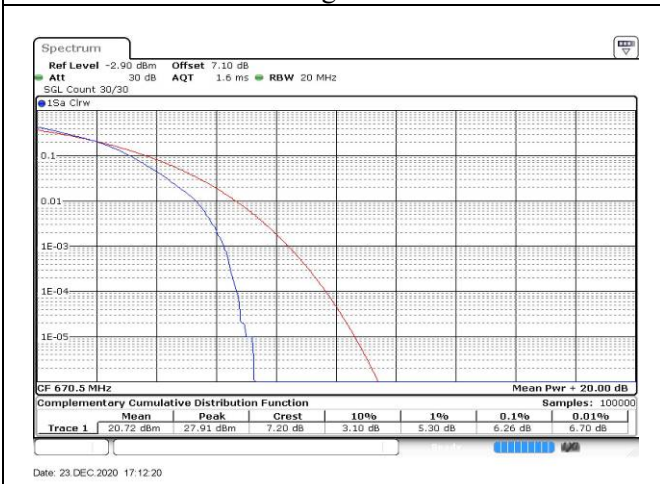


Fig.39

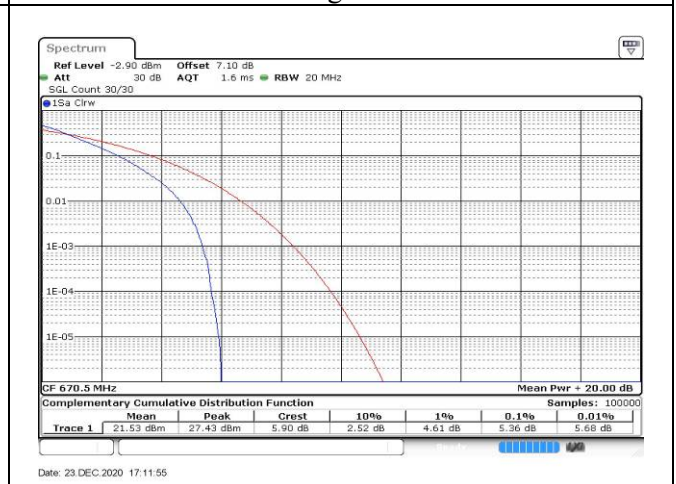


Fig.40

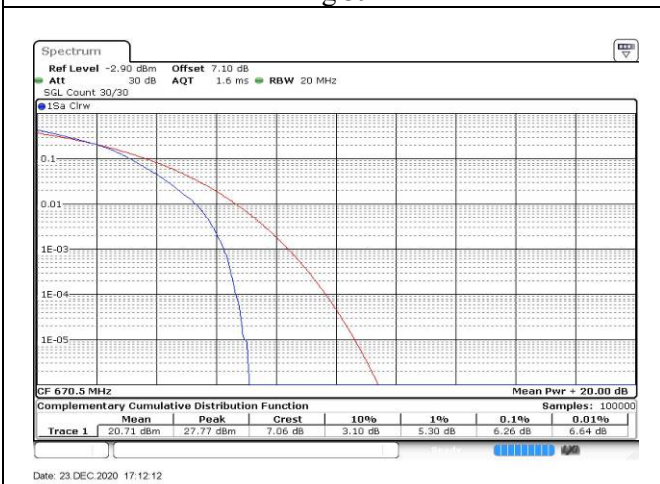


Fig.41

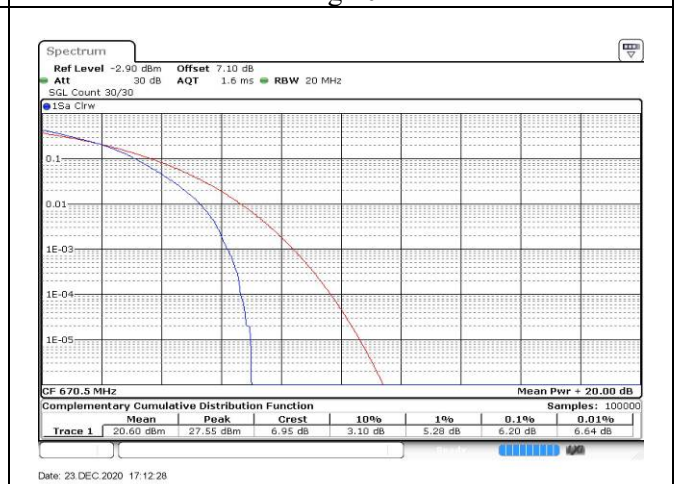


Fig.42

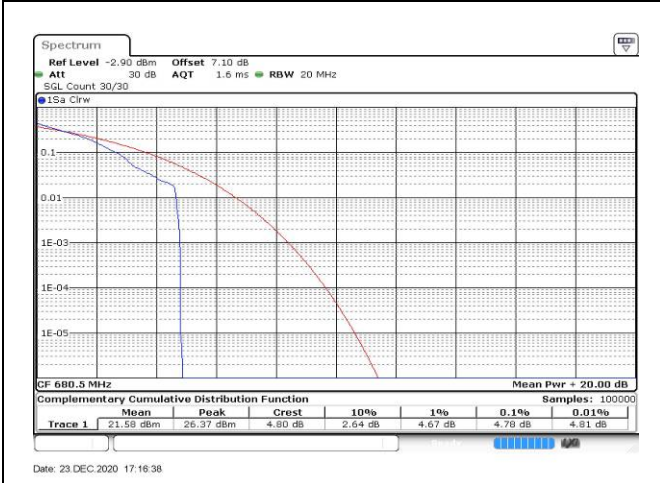


Fig.43

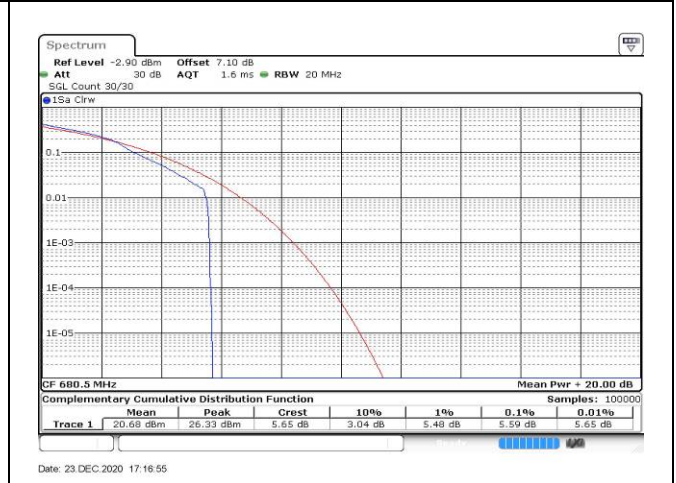


Fig.44

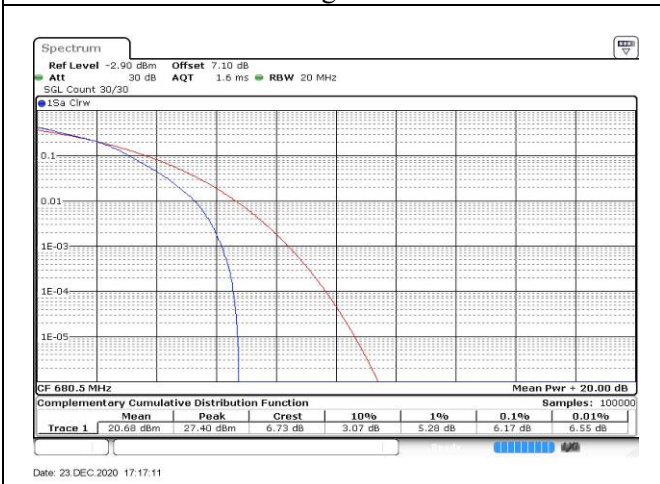


Fig.45

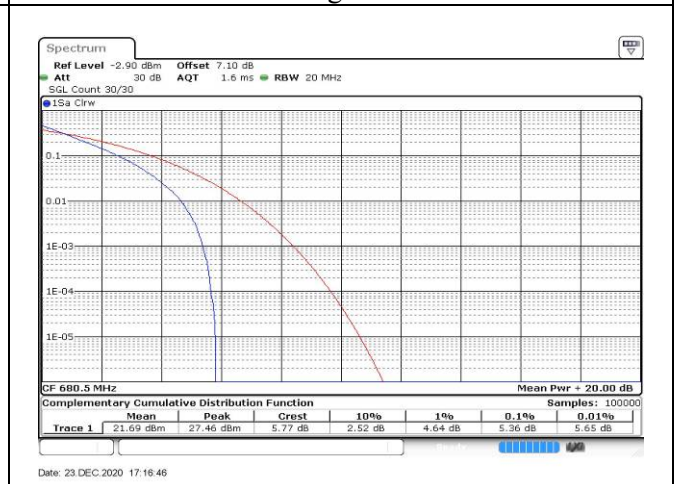


Fig.46

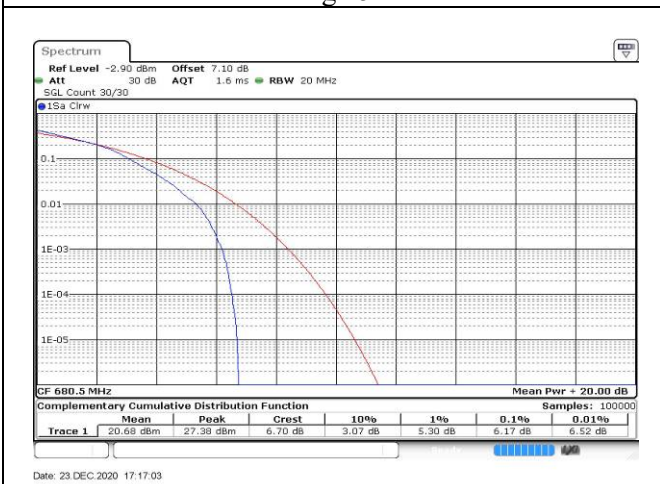


Fig.47

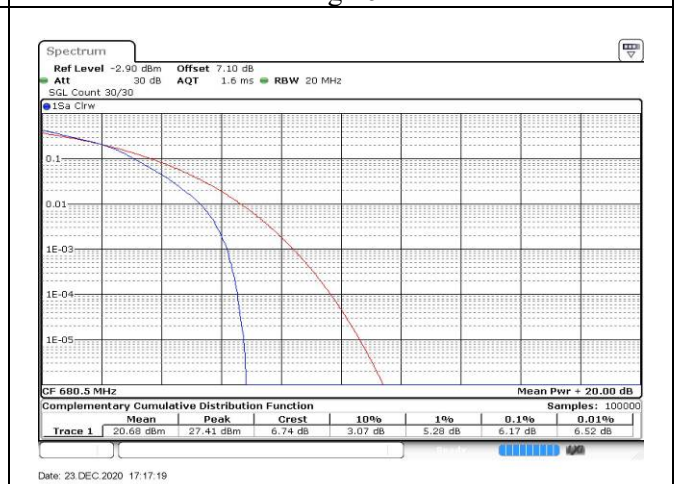


Fig.48

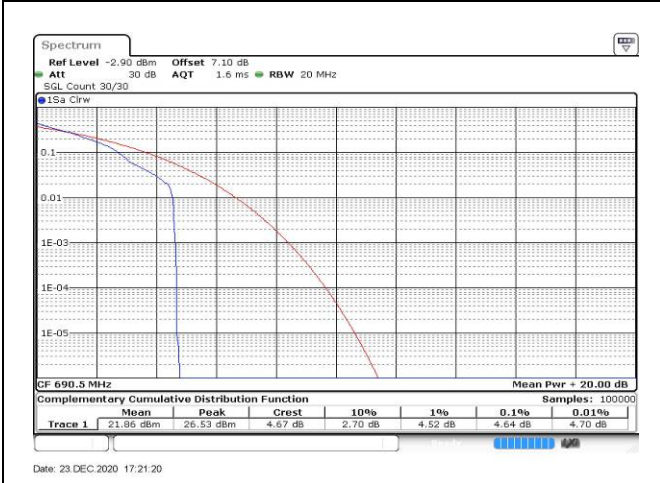


Fig.49

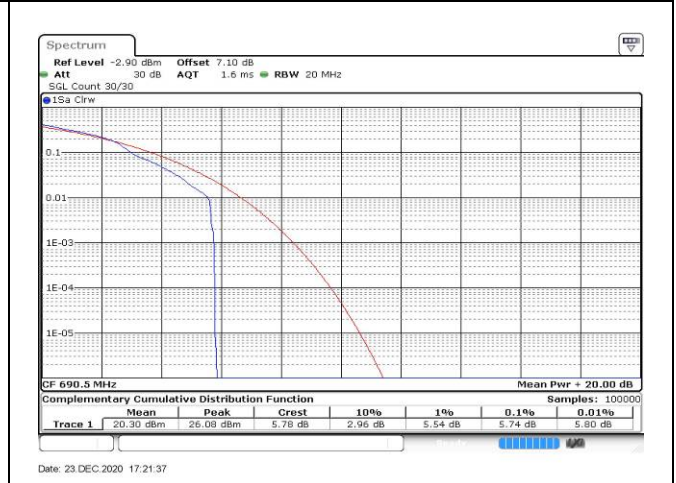


Fig.50

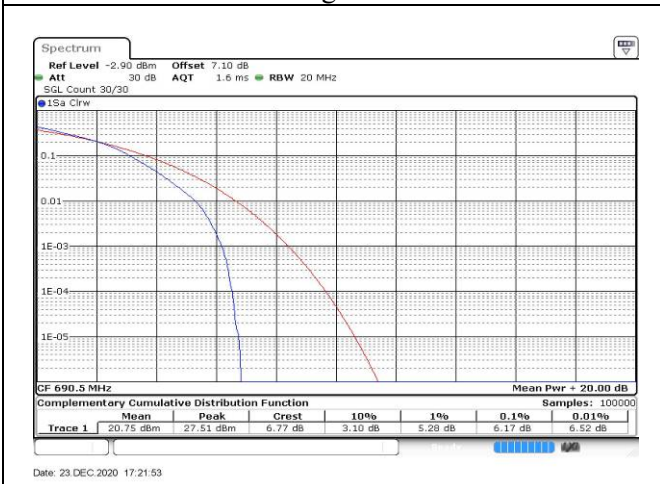


Fig.51

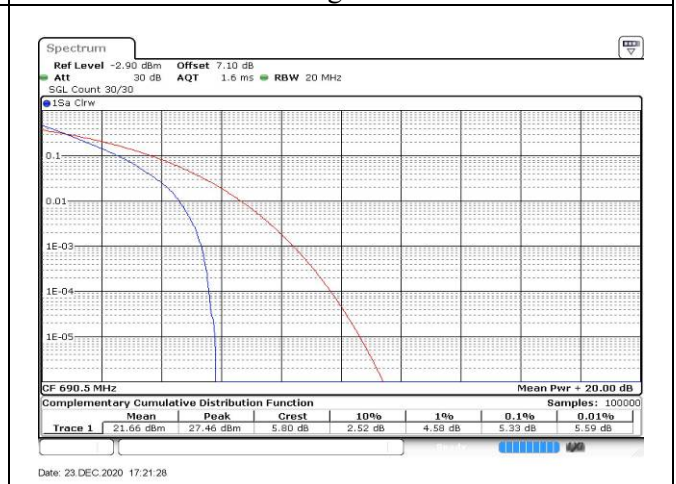


Fig.52

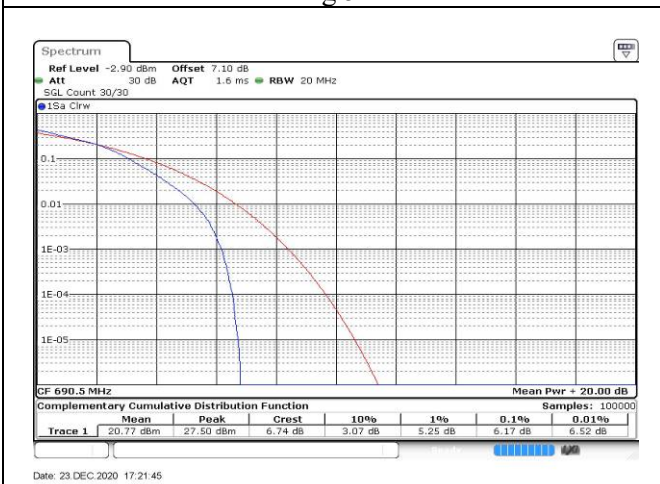


Fig.53

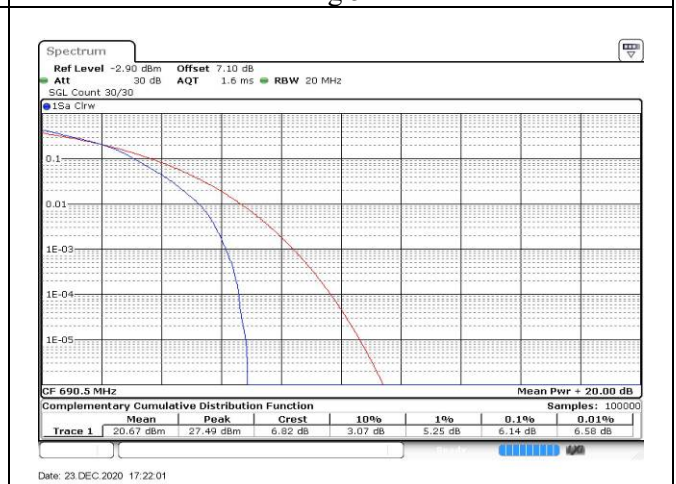


Fig.54

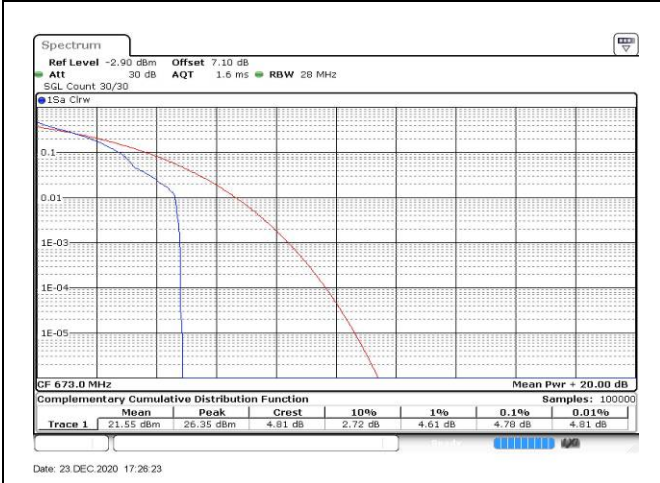


Fig.55

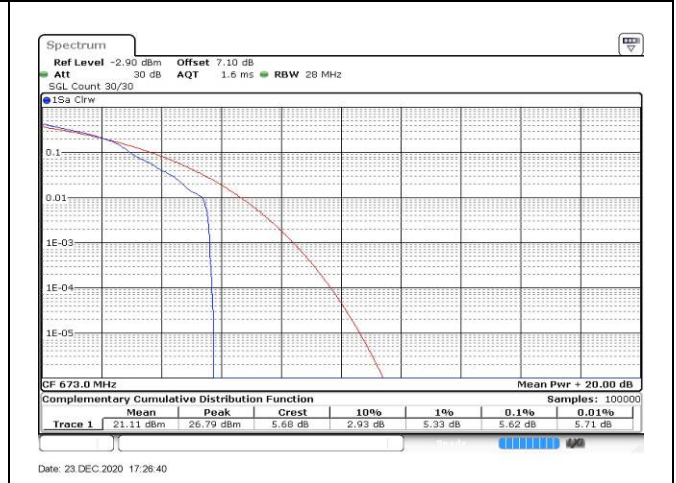


Fig.56

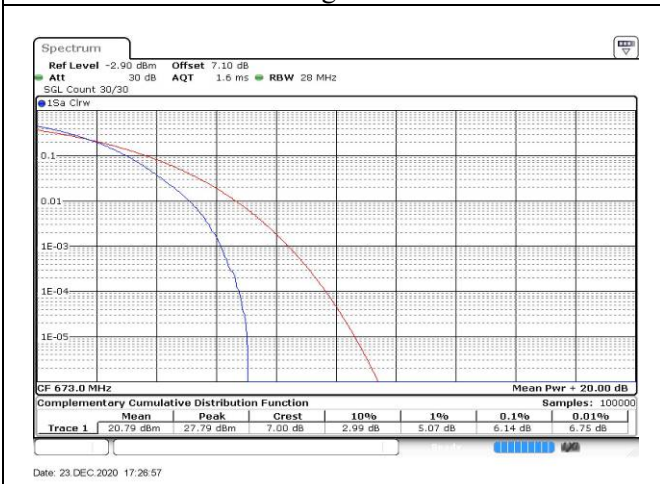


Fig.57

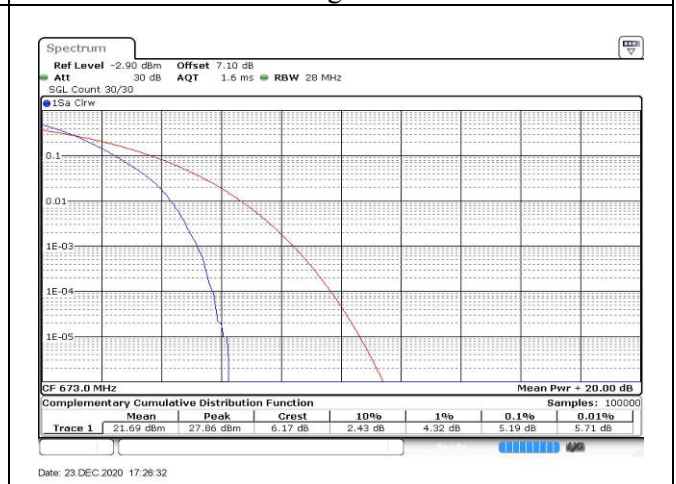


Fig.58

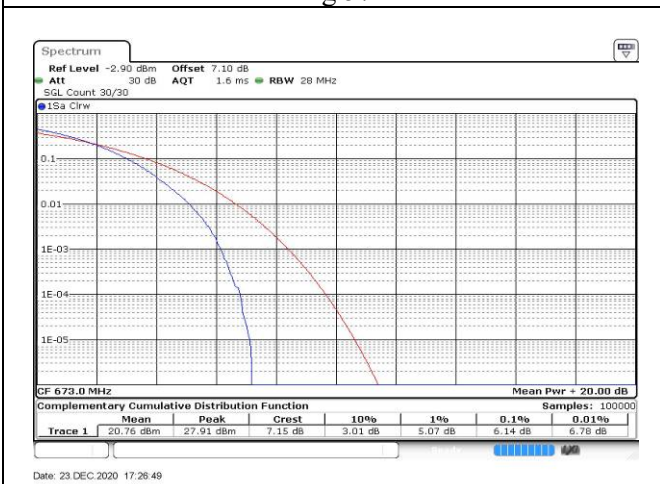


Fig.59

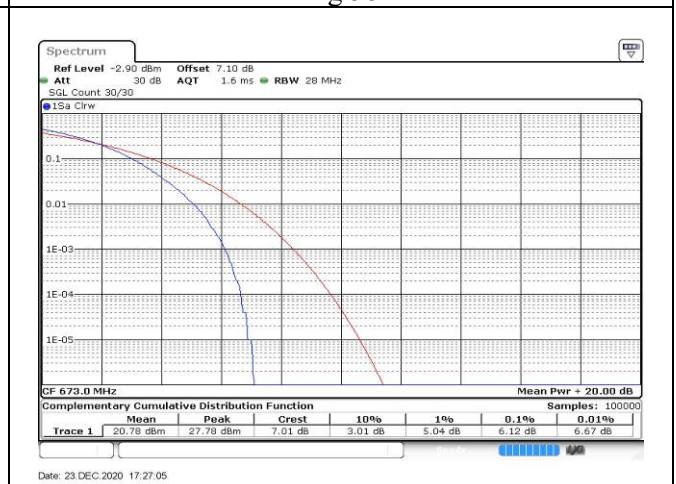


Fig.60

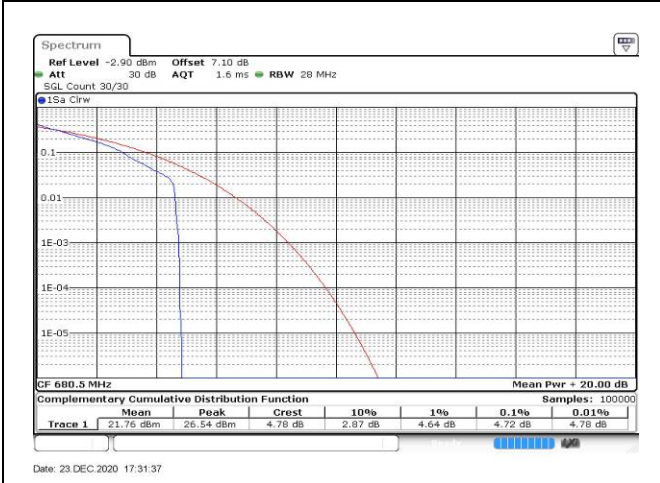


Fig.61

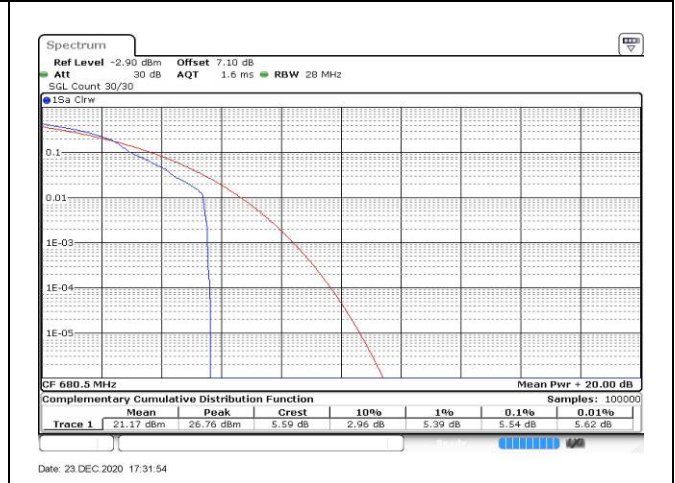


Fig.62

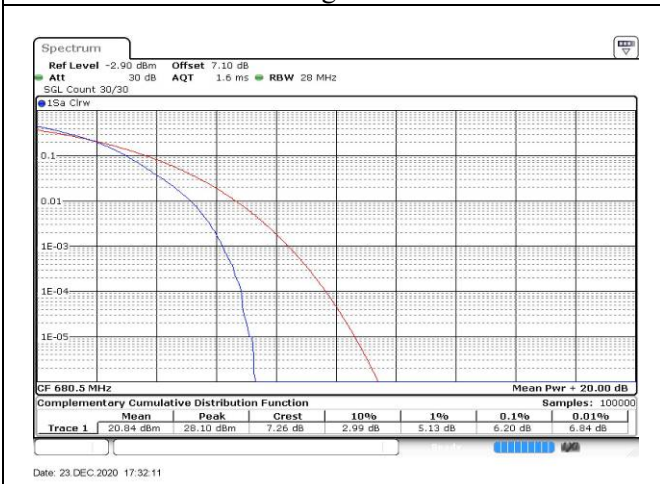


Fig.63

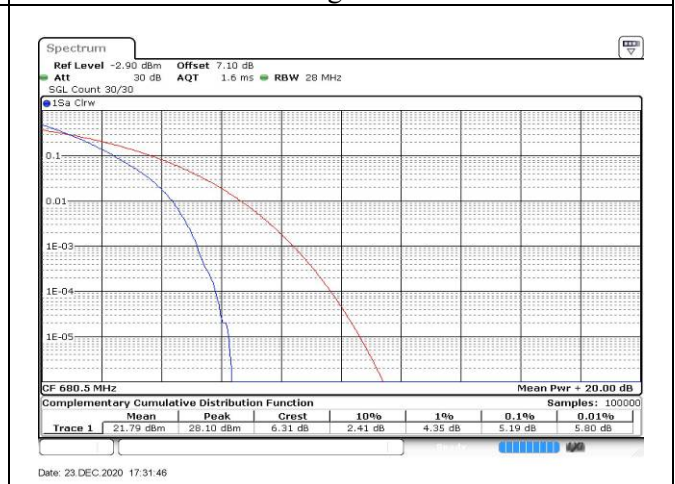


Fig.64

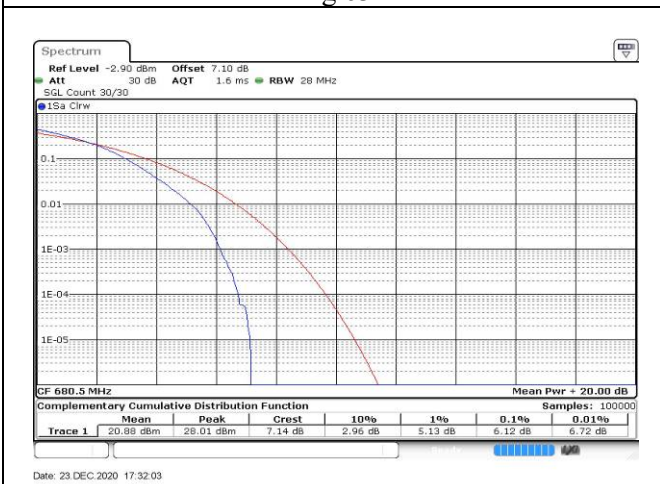


Fig.65

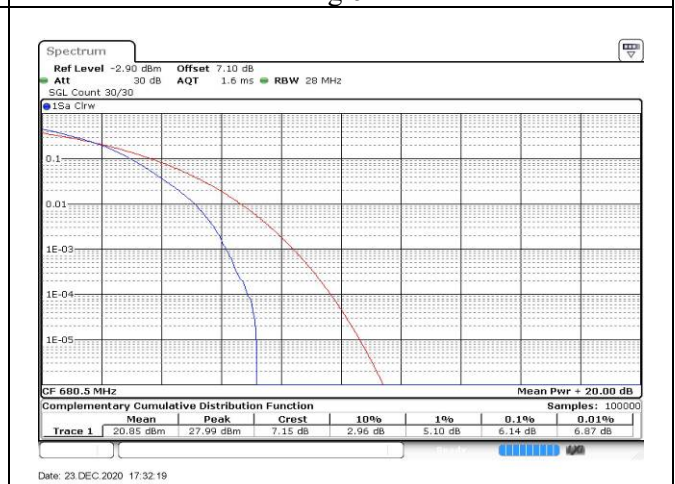


Fig.66



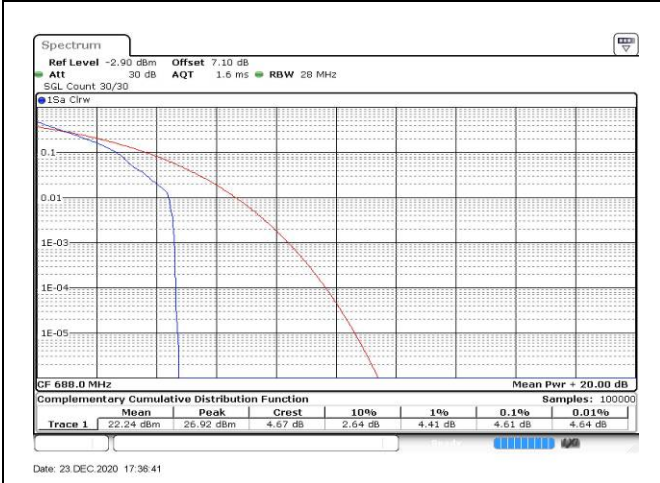


Fig.67

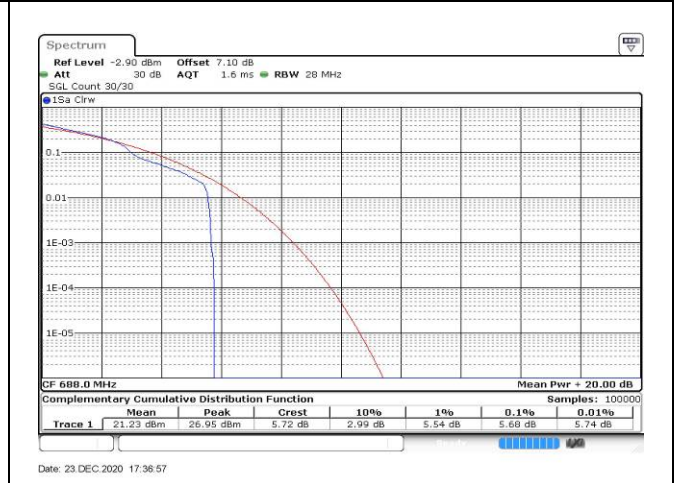


Fig.68

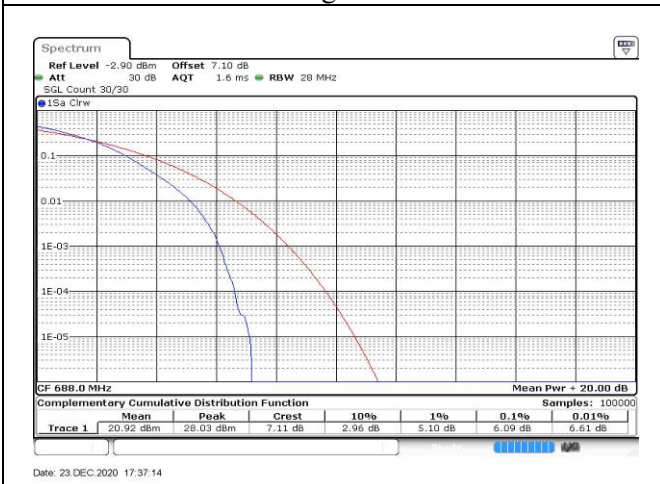


Fig.69

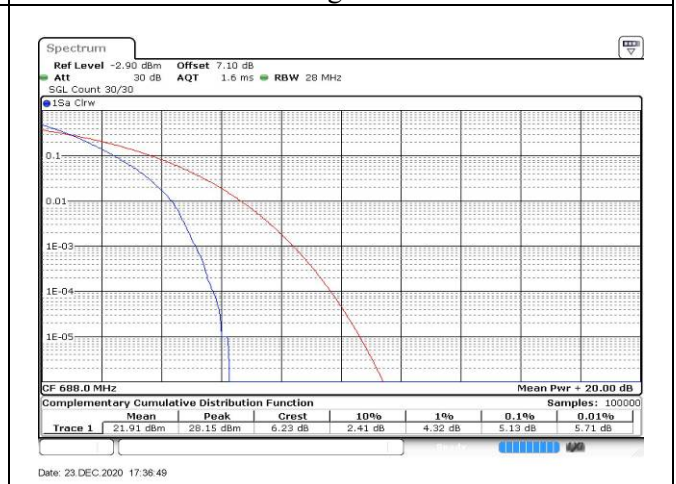


Fig.70

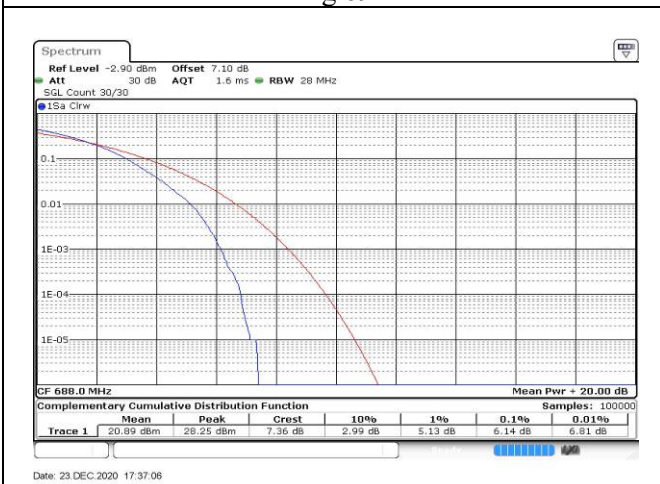


Fig.71

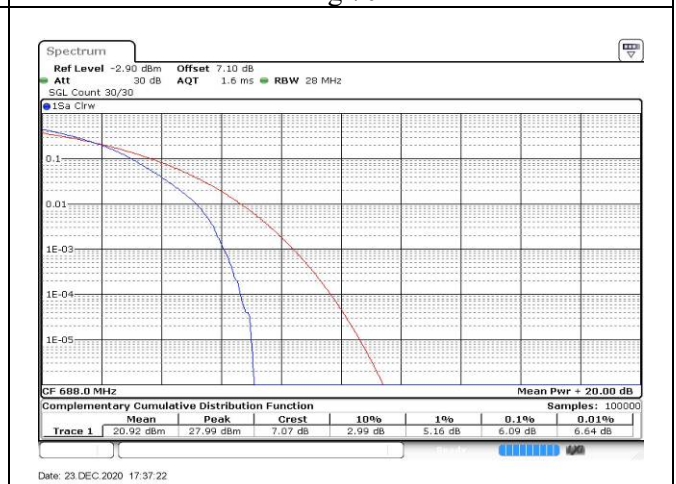


Fig.72

**5 Spurious Emissions at antenna terminal**

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
71	673	133222	20	1	0	Fig.1
	680.5	133297		1	0	Fig.2
	688	133372		1	0	Fig.3

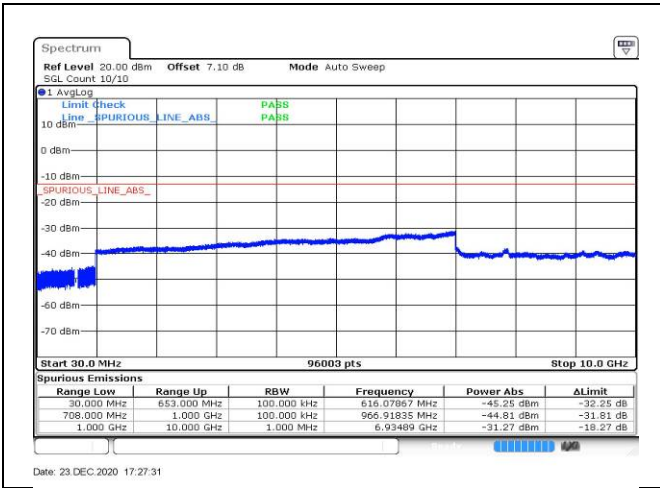


Fig.1

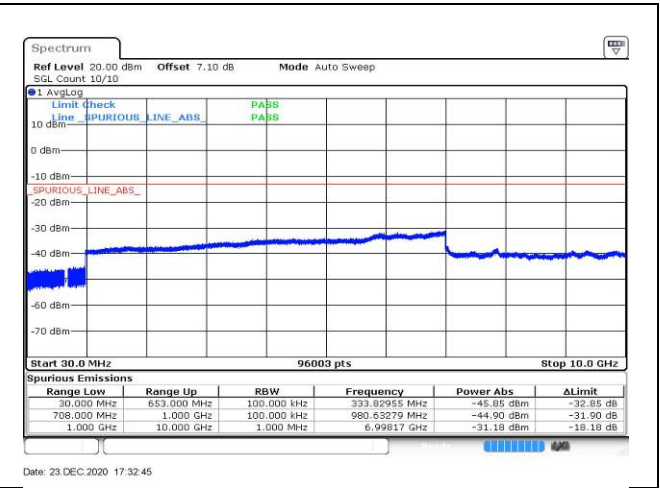


Fig.2

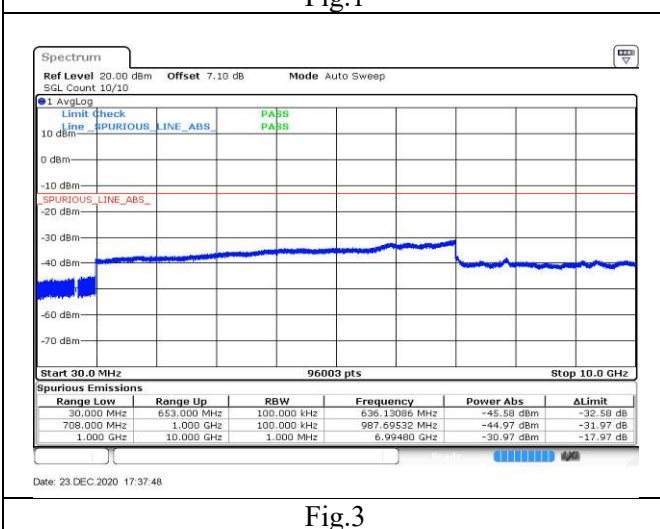
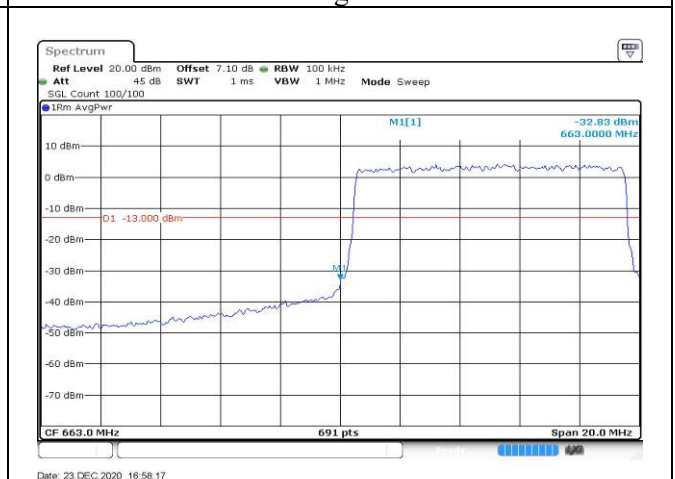
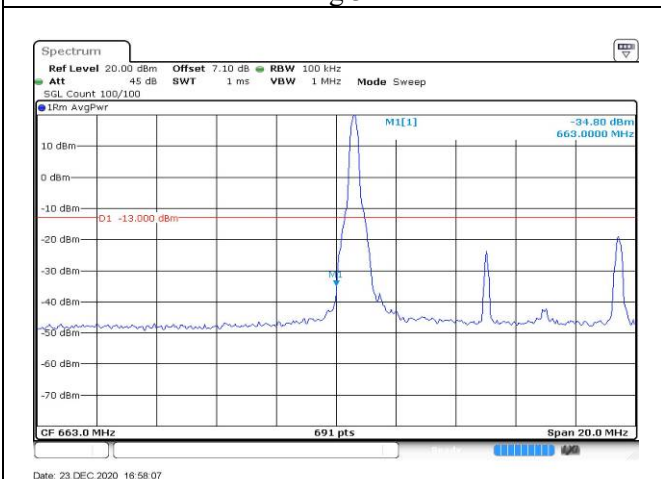
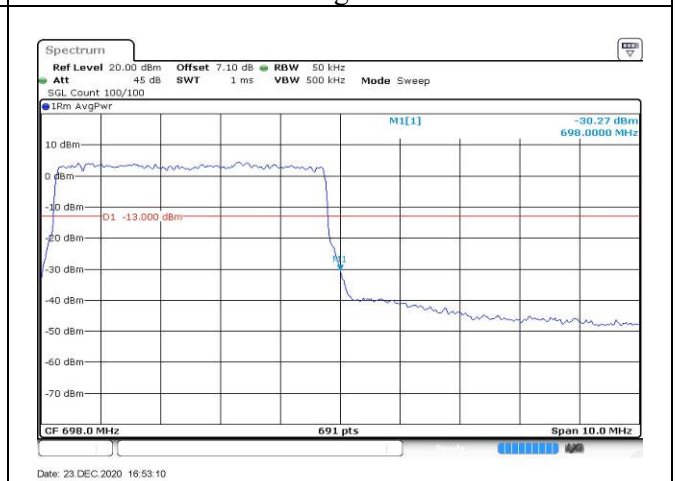
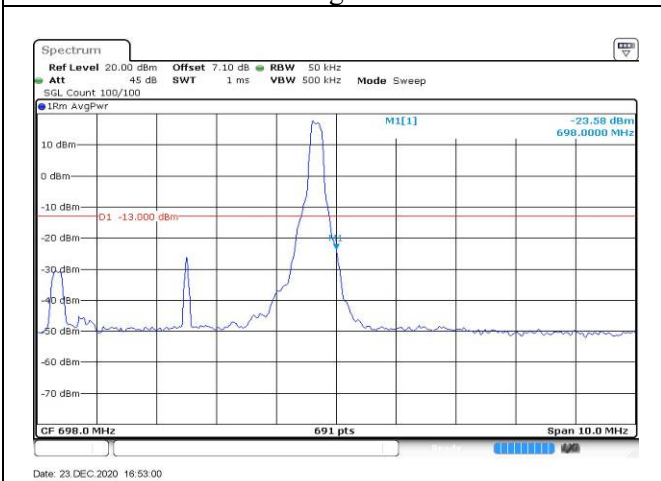
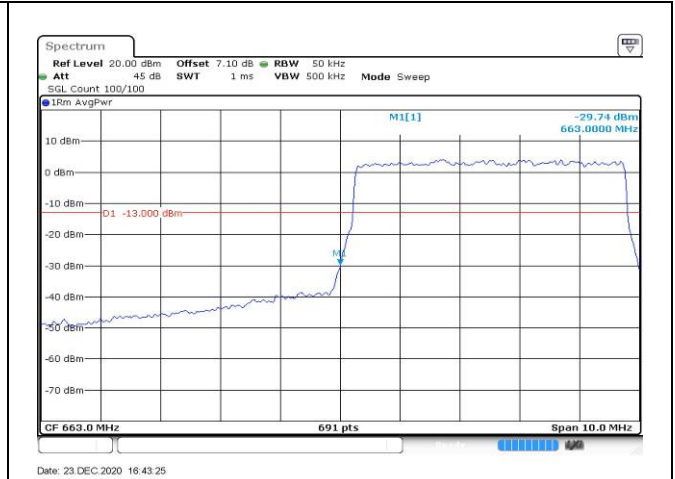
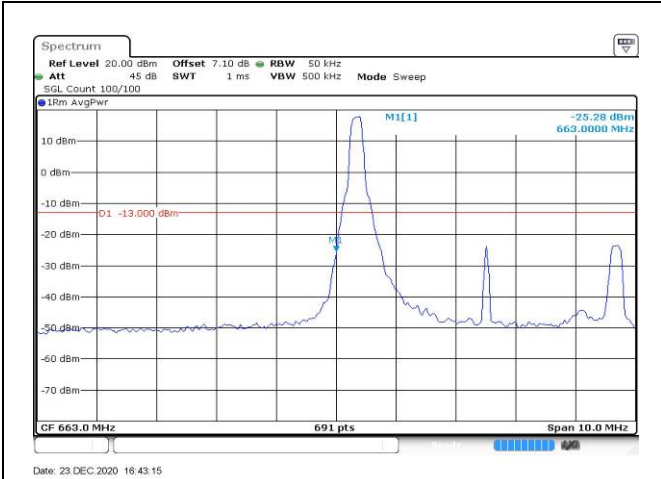


Fig.3

## 6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
71	665.5	133147	5	1	0	Fig.1
				25	0	Fig.2
	695.5	133447		1	24	Fig.3
				25	0	Fig.4
	668	133172	10	1	0	Fig.5
				50	0	Fig.6
	693	133422		1	49	Fig.7
				50	0	Fig.8
	670.5	133197	15	1	0	Fig.9
				75	0	Fig.10
	690.5	133397		1	74	Fig.11
				75	0	Fig.12
	673	133222	20	1	0	Fig.13
				100	0	Fig.14
	688	133372		1	99	Fig.15
				100	0	Fig.16



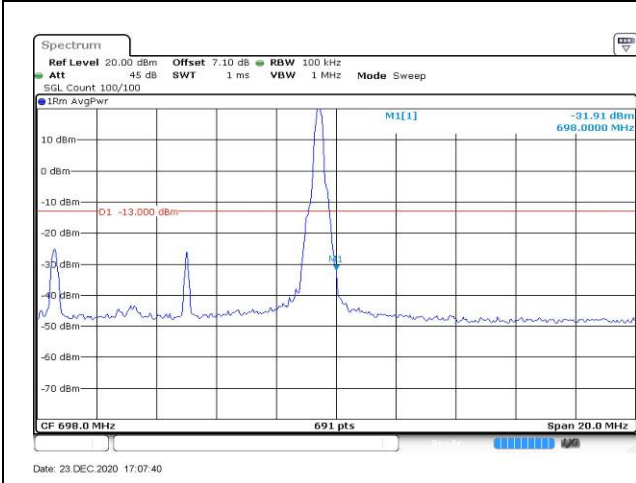


Fig.7

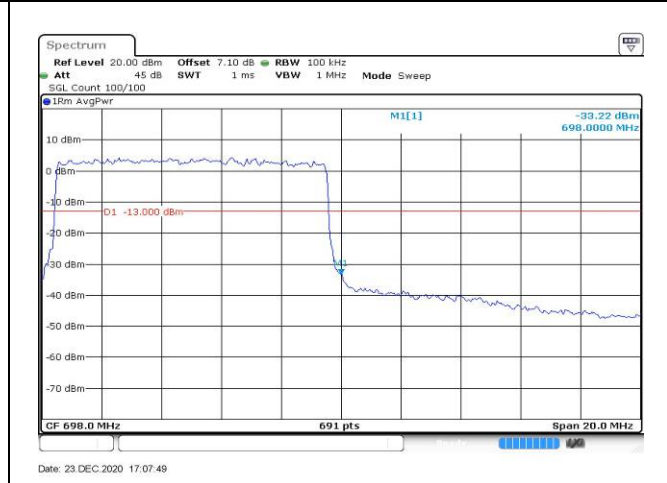


Fig.8

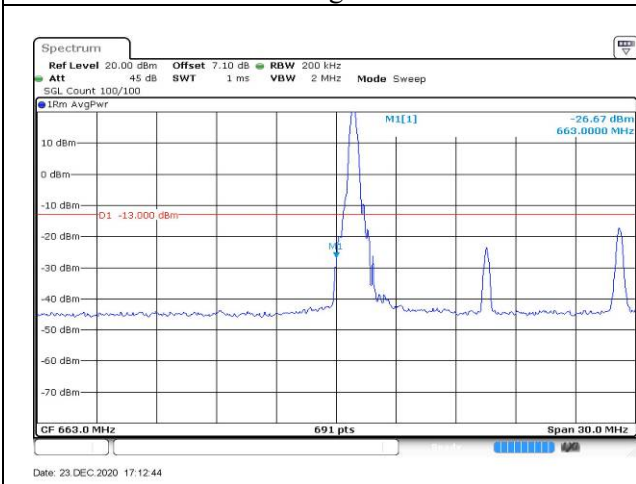


Fig.9

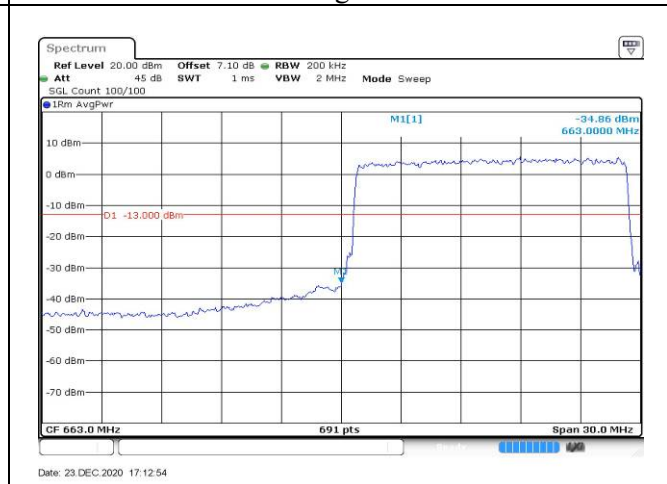


Fig.10

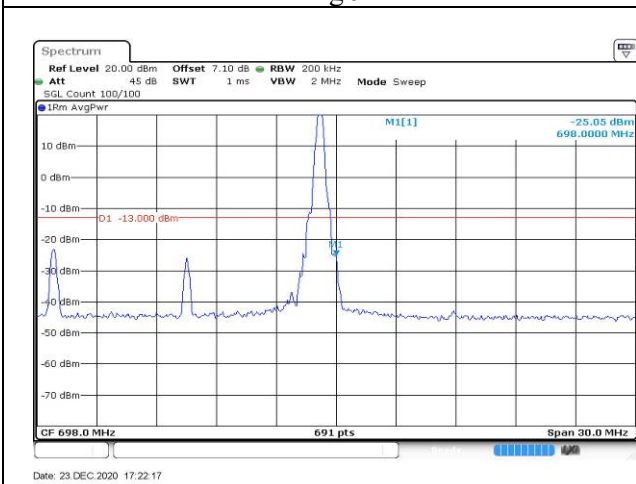


Fig.11

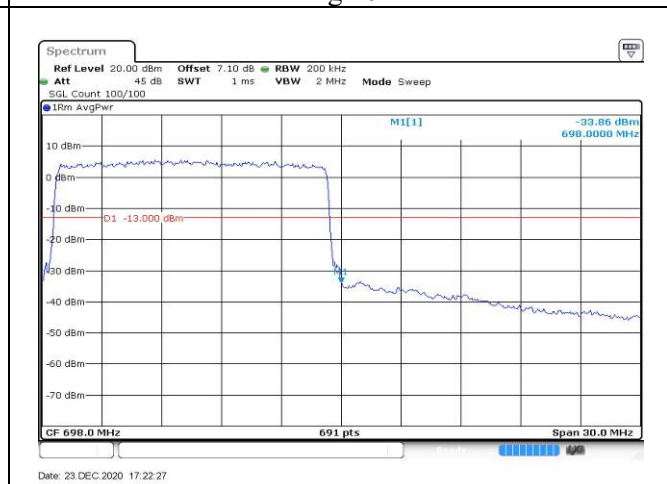


Fig.12

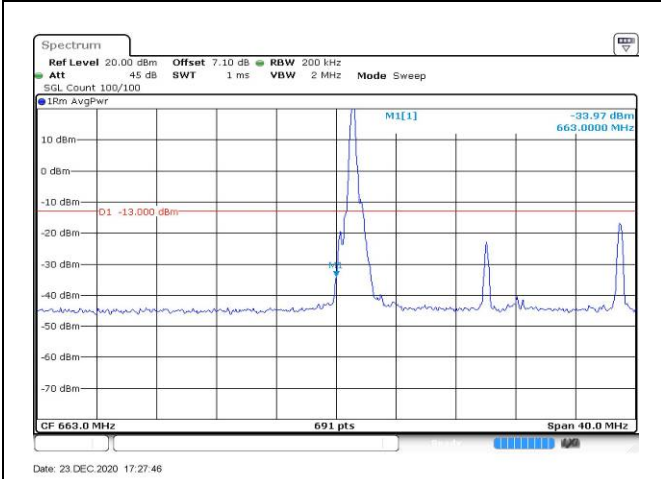


Fig.13

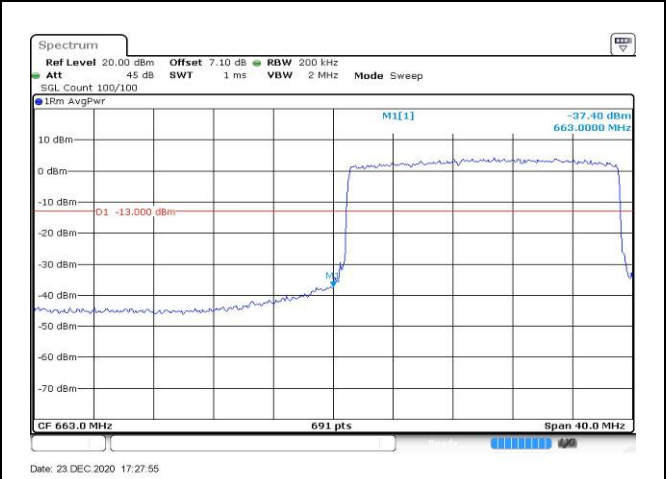


Fig.14

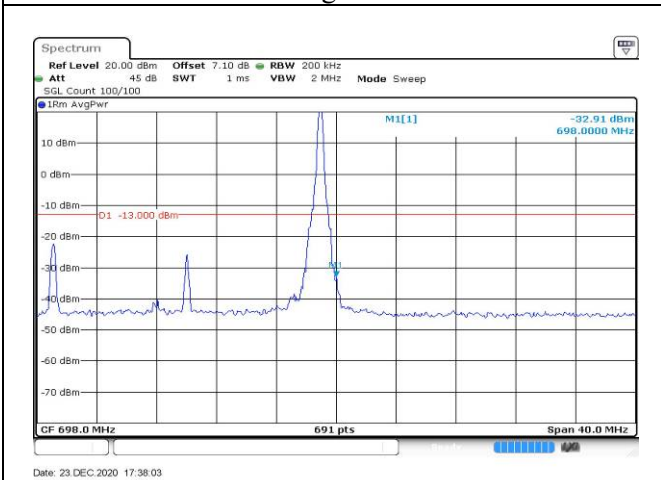


Fig.15

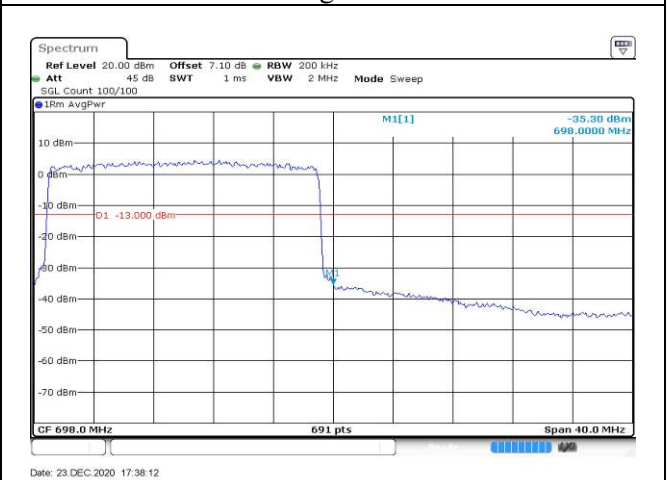


Fig.16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band71 Low Channel QPSK			
		5M	10M	15M	20M
-20	NV	-0.001	-0.002	-0.001	-0.002
-10	NV	-0.003	-0.003	0.001	0.000
0	NV	0.001	-0.004	-0.003	-0.003
+10	NV	-0.001	-0.002	-0.001	-0.003
+20	NV	0.000	0.000	0.000	0.000
+30	NV	-0.002	-0.002	-0.001	0.002
+40	NV	-0.003	0.001	-0.003	-0.004
+50	NV	-0.001	-0.002	-0.002	0.000
+60	NV	-0.001	-0.003	0.000	0.000
+20	LV	0.001	-0.004	-0.003	0.002
+20	HV	-0.004	-0.001	0.000	-0.001

Temperature(°C)	Voltage	Test Result (ppm) Band71 High Channel QPSK			
		5M	10M	15M	20M
-20	NV	-0.004	-0.001	-0.001	0.000
-10	NV	-0.002	-0.001	0.000	-0.001
0	NV	0.000	-0.002	-0.003	-0.001
+10	NV	-0.003	-0.004	-0.003	-0.003
+20	NV	0.000	0.000	0.000	0.000
+30	NV	-0.001	-0.002	0.001	0.000
+40	NV	-0.003	-0.001	-0.003	-0.001
+50	NV	-0.003	-0.001	0.000	-0.001
+60	NV	-0.002	-0.001	0.001	0.000
+20	LV	-0.003	-0.005	-0.002	-0.003
+20	HV	-0.002	-0.002	0.000	0.000

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

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	665.5	133147	5	1	0	23.43	17.76	0.060
				1	12	23.49	17.82	0.061
				1	24	23.43	17.76	0.060
				12	0	22.53	16.86	0.049
				12	7	22.54	16.87	0.049
				12	13	22.51	16.84	0.048
				25	0	22.50	16.83	0.048
	680.5	133297		1	0	23.42	17.75	0.060
				1	12	23.43	17.76	0.060
				1	24	23.38	17.71	0.059
				12	0	22.48	16.81	0.048
				12	7	22.56	16.89	0.049
				12	13	22.54	16.87	0.049
				25	0	22.54	16.87	0.049
	695.5	133447		1	0	23.52	17.85	0.061
				1	12	23.43	17.76	0.060
				1	24	23.49	17.82	0.061
				12	0	22.63	16.96	0.050
				12	7	22.60	16.93	0.049
				12	13	22.58	16.91	0.049
				25	0	22.65	16.98	0.050
16QAM	665.5	133147	1	0	22.15	16.48	0.044	
			1	12	22.11	16.44	0.044	
			1	24	22.03	16.36	0.043	
			12	0	21.41	15.74	0.037	
			12	7	21.44	15.77	0.038	
			12	13	21.33	15.66	0.037	
			25	0	21.59	15.92	0.039	
	680.5	133297	1	0	22.23	16.56	0.045	
			1	12	22.35	16.68	0.047	
			1	24	22.33	16.66	0.046	
			12	0	21.67	16.00	0.040	
			12	7	21.52	15.85	0.038	
			12	13	21.53	15.86	0.039	
			25	0	21.61	15.94	0.039	
	695.5	133447	1	0	22.32	16.65	0.046	
			1	12	22.25	16.58	0.045	
			1	24	22.24	16.57	0.045	
			12	0	21.44	15.77	0.038	
			12	7	21.32	15.65	0.037	
			12	13	21.63	15.96	0.039	
			25	0	21.67	16.00	0.040	



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	665.5	133147	5	1	0	21.85	16.18	0.041
				1	12	21.84	16.17	0.041
				1	24	21.83	16.16	0.041
				12	0	21.83	16.16	0.041
				12	7	21.83	16.16	0.041
				12	13	21.82	16.15	0.041
				25	0	21.82	16.15	0.041
	680.5	133297		1	0	21.60	15.93	0.039
				1	12	21.60	15.93	0.039
				1	24	21.60	15.93	0.039
				12	0	21.60	15.93	0.039
				12	7	21.60	15.93	0.039
				12	13	21.60	15.93	0.039
				25	0	21.53	15.86	0.039
	695.5	133447		1	0	21.67	16.00	0.040
				1	12	21.67	16.00	0.040
				1	24	21.66	15.99	0.040
				12	0	21.78	16.11	0.041
				12	7	21.66	15.99	0.040
				12	13	21.66	15.99	0.040
				25	0	21.77	16.10	0.041

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	668	133172	10	1	0	23.47	17.80	0.060
				1	25	23.40	17.73	0.059
				1	49	23.35	17.68	0.059
				25	0	22.49	16.82	0.048
				25	12	22.53	16.86	0.049
				25	25	22.51	16.84	0.048
	680.5	133297		50	0	22.51	16.84	0.048
				1	0	23.55	17.88	0.061
				1	25	23.73	18.06	0.064
				1	49	23.79	18.12	0.065
				25	0	22.59	16.92	0.049
				25	12	22.61	16.94	0.049
	693	133422		25	25	22.60	16.93	0.049
				50	0	22.58	16.91	0.049
				1	0	23.51	17.84	0.061
				1	25	23.37	17.70	0.059
				1	49	23.43	17.76	0.060
				25	0	22.65	16.98	0.050
16QAM	668	133172	25	12	22.61	16.94	0.049	
			25	25	22.59	16.92	0.049	
			50	0	22.57	16.90	0.049	
			1	0	22.55	16.88	0.049	
			1	25	22.59	16.92	0.049	
			1	49	22.56	16.89	0.049	
	680.5	133297	25	0	21.64	15.97	0.040	
			25	12	21.57	15.90	0.039	
			25	25	21.68	16.01	0.040	
			50	0	21.51	15.84	0.038	
			1	0	22.69	17.02	0.050	
			1	25	22.65	16.98	0.050	
	693	133422	1	49	22.64	16.97	0.050	
			25	0	21.74	16.07	0.040	
			25	12	21.69	16.02	0.040	
			25	25	21.59	15.92	0.039	
			50	0	21.60	15.93	0.039	
			1	0	22.71	17.04	0.051	
693	133422	1	25	22.64	16.97	0.050		
		1	49	22.63	16.96	0.050		
		25	0	21.94	16.27	0.042		
		25	12	21.96	16.29	0.043		
		25	25	21.96	16.29	0.043		
		50	0	21.58	15.91	0.039		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)		
64QAM	668	133172	10	1	0	21.51	15.84	0.038		
				1	25	21.64	15.97	0.040		
				1	49	21.51	15.84	0.038		
				25	0	21.51	15.84	0.038		
				25	12	21.50	15.83	0.038		
				25	25	21.64	15.97	0.040		
	680.5	133297		50	0	21.50	15.83	0.038		
				1	0	21.60	15.93	0.039		
				1	25	21.60	15.93	0.039		
				1	49	21.60	15.93	0.039		
				25	0	21.70	16.03	0.040		
				25	12	21.59	15.92	0.039		
	693	133422		25	25	21.60	15.93	0.039		
				50	0	21.59	15.92	0.039		
				1	0	21.58	15.91	0.039		
				1	25	21.58	15.91	0.039		
				1	49	21.69	16.02	0.040		
				25	0	21.57	15.90	0.039		
						25	12	21.69	16.02	0.040
						25	25	21.69	16.02	0.040
						50	0	21.69	16.02	0.040

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	670.5	133197	15	1	0	23.50	17.83	0.061
				1	37	23.38	17.71	0.059
				1	74	23.42	17.75	0.060
				36	0	22.52	16.85	0.048
				36	29	22.49	16.82	0.048
				36	30	22.47	16.80	0.048
				75	0	22.52	16.85	0.048
	680.5	133297		1	0	23.31	17.64	0.058
				1	37	23.38	17.71	0.059
				1	74	23.34	17.67	0.058
				36	0	22.59	16.92	0.049
				36	29	22.58	16.91	0.049
				36	30	22.57	16.90	0.049
				75	0	22.49	16.82	0.048
	690.5	133397		1	0	23.30	17.63	0.058
				1	37	23.32	17.65	0.058
				1	74	23.37	17.70	0.059
				36	0	22.70	17.03	0.050
				36	29	22.65	16.98	0.050
				36	30	22.64	16.97	0.050
				75	0	22.58	16.91	0.049
16QAM	670.5	133197	1	0	22.34	16.67	0.046	
			1	37	22.39	16.72	0.047	
			1	74	22.48	16.81	0.048	
			36	0	21.56	15.89	0.039	
			36	29	21.41	15.74	0.037	
			36	30	21.51	15.84	0.038	
			75	0	21.68	16.01	0.040	
	680.5	133297	1	0	22.73	17.06	0.051	
			1	37	22.78	17.11	0.051	
			1	74	22.78	17.11	0.051	
			36	0	21.43	15.76	0.038	
			36	29	21.53	15.86	0.039	
			36	30	21.52	15.85	0.038	
			75	0	21.56	15.89	0.039	
	690.5	133397	1	0	22.81	17.14	0.052	
			1	37	22.48	16.81	0.048	
			1	74	22.55	16.88	0.049	
			36	0	21.61	15.94	0.039	
			36	29	21.68	16.01	0.040	
			36	30	21.68	16.01	0.040	
			75	0	21.65	15.98	0.040	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	670.5	133197	15	1	0	21.57	15.90	0.039
				1	37	21.57	15.90	0.039
				1	74	21.56	15.89	0.039
				36	0	21.56	15.89	0.039
				36	29	21.56	15.89	0.039
				36	30	21.56	15.89	0.039
				75	0	21.66	15.99	0.040
	680.5	133297		1	0	21.56	15.89	0.039
				1	37	21.55	15.88	0.039
				1	74	21.55	15.88	0.039
				36	0	21.55	15.88	0.039
				36	29	21.55	15.88	0.039
				36	30	21.56	15.89	0.039
				75	0	21.65	15.98	0.040
	690.5	133397		1	0	21.65	15.98	0.040
				1	37	21.65	15.98	0.040
				1	74	21.65	15.98	0.040
				36	0	21.64	15.97	0.040
				36	29	21.64	15.97	0.040
				36	30	21.64	15.97	0.040
				75	0	21.64	15.97	0.040

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	673	133222	20	1	0	23.20	17.53	0.057
				1	49	23.16	17.49	0.056
				1	99	23.31	17.64	0.058
				50	0	22.44	16.77	0.048
				50	24	22.58	16.91	0.049
				50	50	22.57	16.90	0.049
	100	0		22.54	16.87	0.049		
	680.5	133297		1	0	23.08	17.41	0.055
				1	49	23.25	17.58	0.057
				1	99	23.21	17.54	0.057
				50	0	22.49	16.82	0.048
				50	24	22.59	16.92	0.049
				50	50	22.58	16.91	0.049
	100	0		22.47	16.80	0.048		
	688	133372		1	0	23.38	17.71	0.059
				1	49	23.34	17.67	0.058
				1	99	23.42	17.75	0.060
				50	0	22.59	16.92	0.049
50			24	22.53	16.86	0.049		
50			50	22.52	16.85	0.048		
100	0	22.52	16.85	0.048				
16QAM	673	133222	1	0	23.24	17.57	0.057	
			1	49	23.49	17.82	0.061	
			1	99	23.06	17.39	0.055	
			50	0	21.60	15.93	0.039	
			50	24	21.53	15.86	0.039	
			50	50	21.53	15.86	0.039	
	100	0	21.63	15.96	0.039			
	680.5	133297	1	0	22.91	17.24	0.053	
			1	49	23.26	17.59	0.057	
			1	99	23.26	17.59	0.057	
			50	0	21.53	15.86	0.039	
			50	24	21.57	15.90	0.039	
			50	50	21.57	15.90	0.039	
	100	0	21.57	15.90	0.039			
	688	133372	1	0	23.36	17.69	0.059	
			1	49	23.05	17.38	0.055	
			1	99	23.04	17.37	0.055	
			50	0	21.61	15.94	0.039	
50			24	21.68	16.01	0.040		
50			50	21.68	16.01	0.040		
100	0	21.71	16.04	0.040				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	673	133222	20	1	0	21.62	15.95	0.039
				1	49	21.62	15.95	0.039
				1	99	21.62	15.95	0.039
				50	0	21.61	15.94	0.039
				50	24	21.61	15.94	0.039
				50	50	21.60	15.93	0.039
				100	0	21.59	15.92	0.039
	680.5	133297		1	0	21.57	15.90	0.039
				1	49	21.66	15.99	0.040
				1	99	21.66	15.99	0.040
				50	0	21.66	15.99	0.040
				50	24	21.66	15.99	0.040
				50	50	21.66	15.99	0.040
				100	0	21.65	15.98	0.040
	688	133372		1	0	21.71	16.04	0.040
				1	49	21.71	16.04	0.040
				1	99	21.70	16.03	0.040
				50	0	21.70	16.03	0.040
				50	24	21.70	16.03	0.040
				50	50	21.70	16.03	0.040
				100	0	21.70	16.03	0.040