

Fig.19

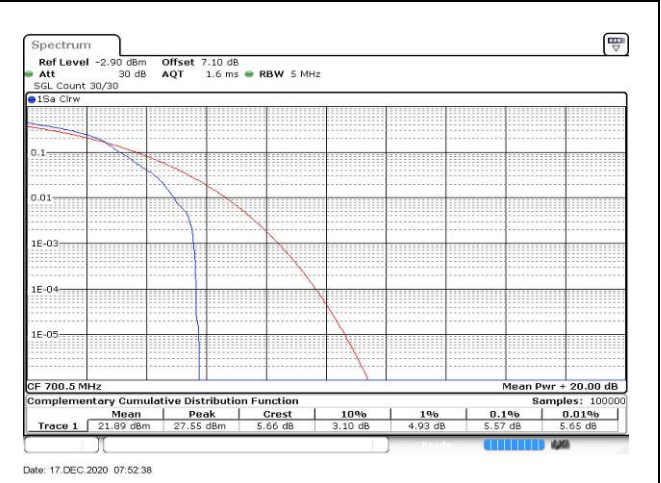


Fig.20

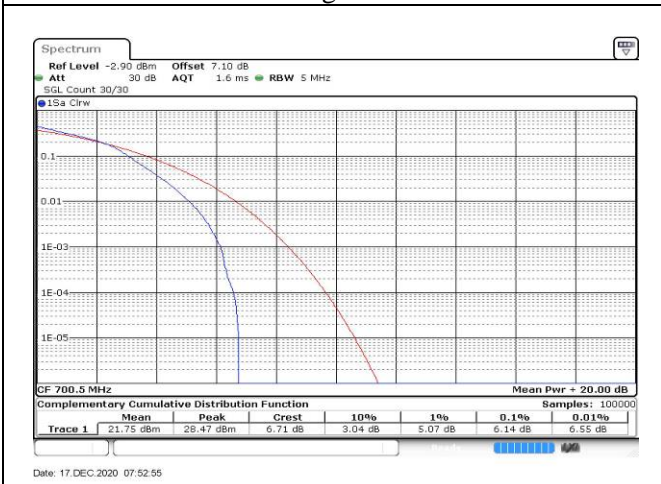


Fig.21

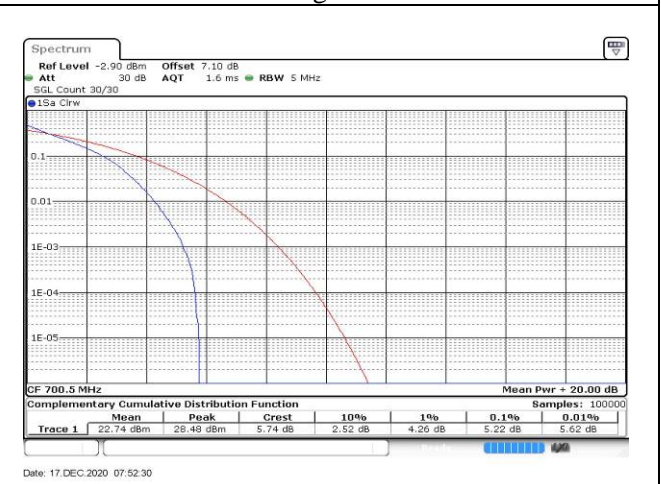


Fig.22

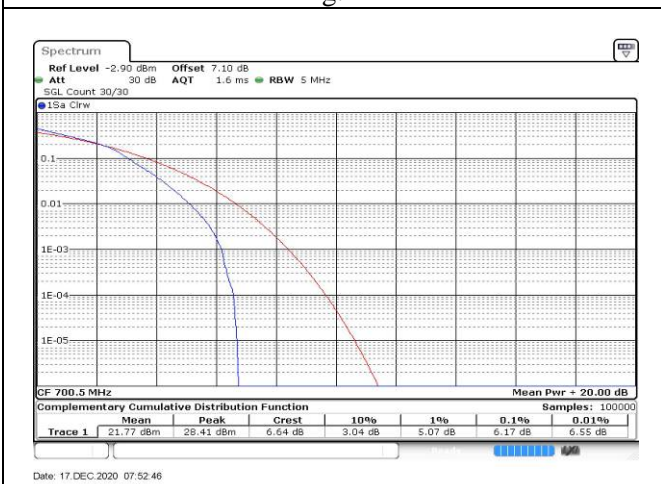


Fig.23

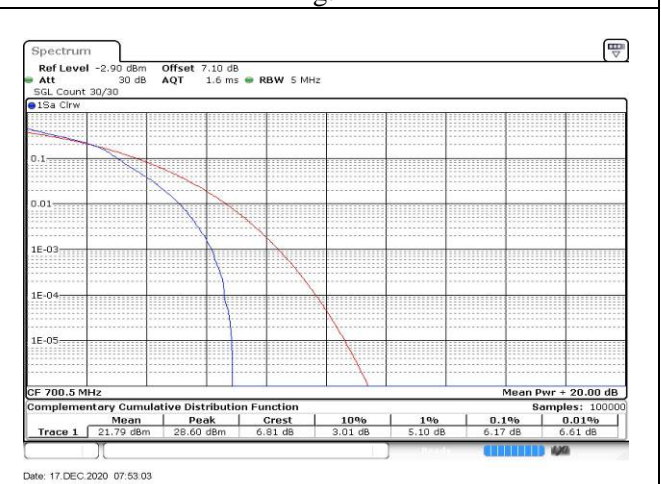


Fig.24

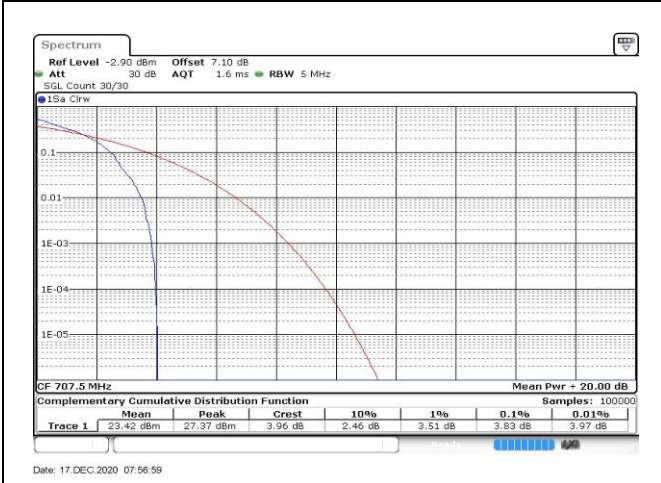


Fig.25

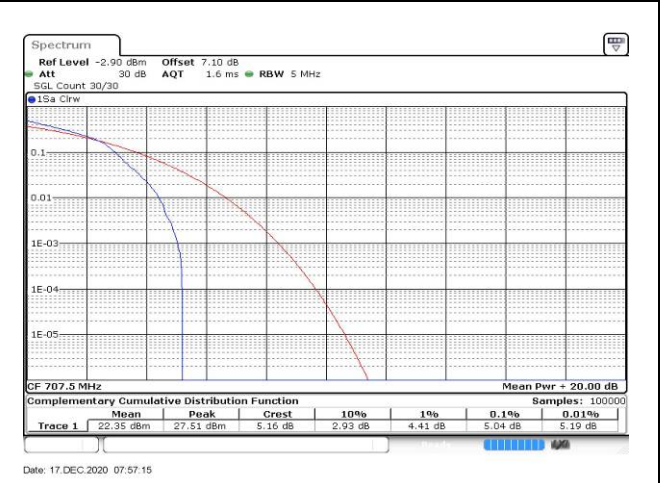


Fig.26

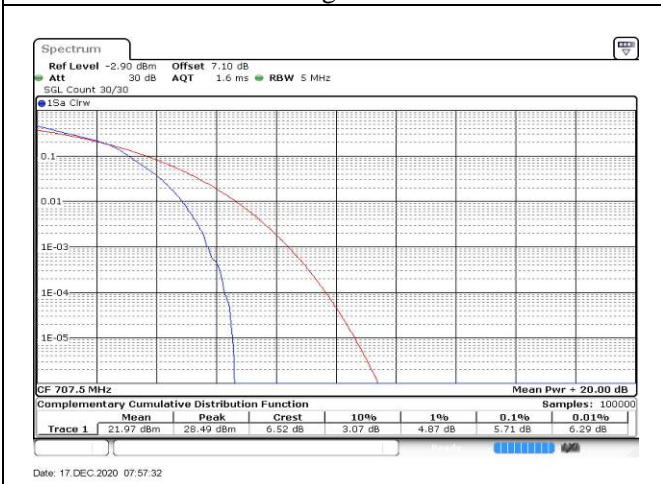


Fig.27

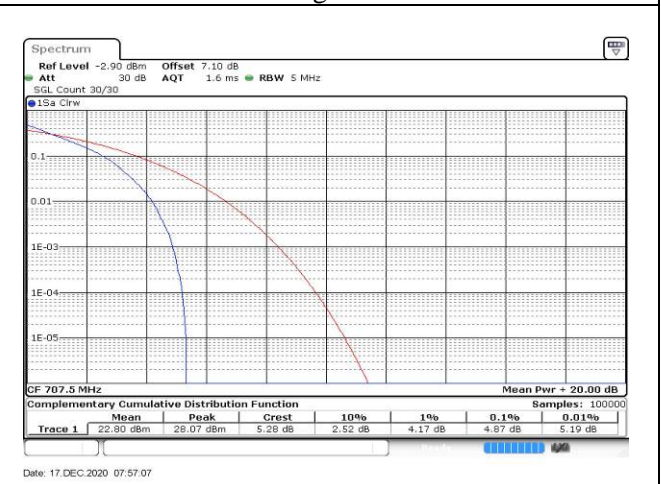


Fig.28



Fig.29

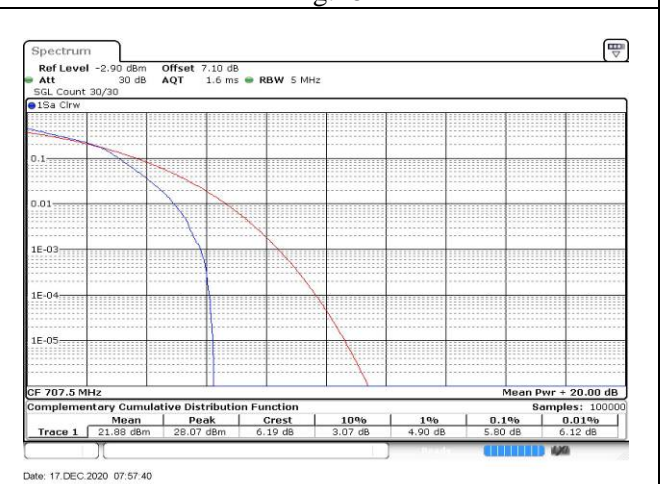


Fig.30

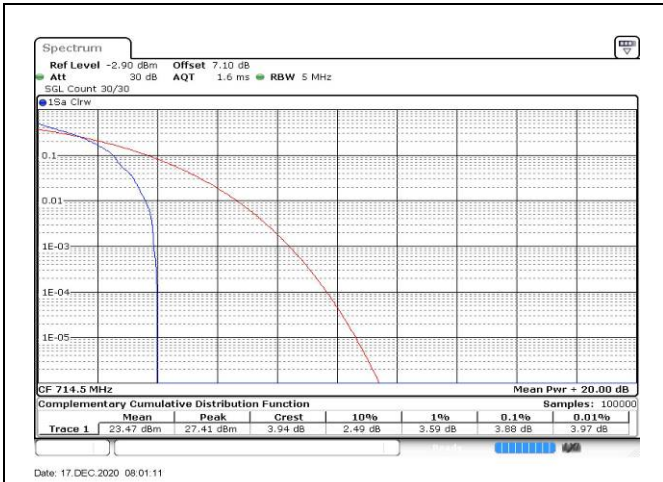


Fig.31

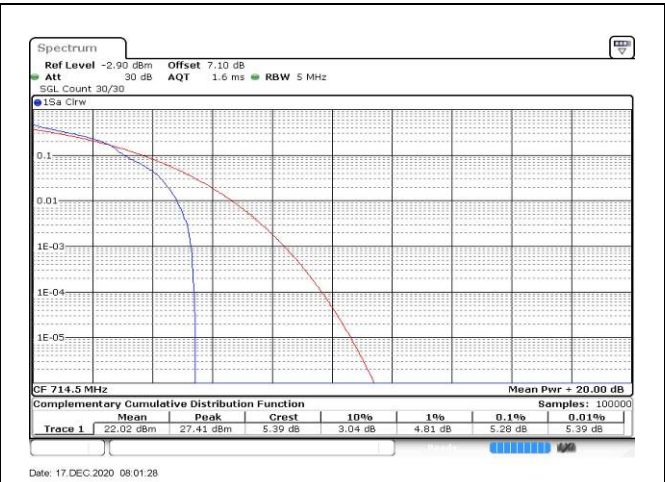


Fig.32

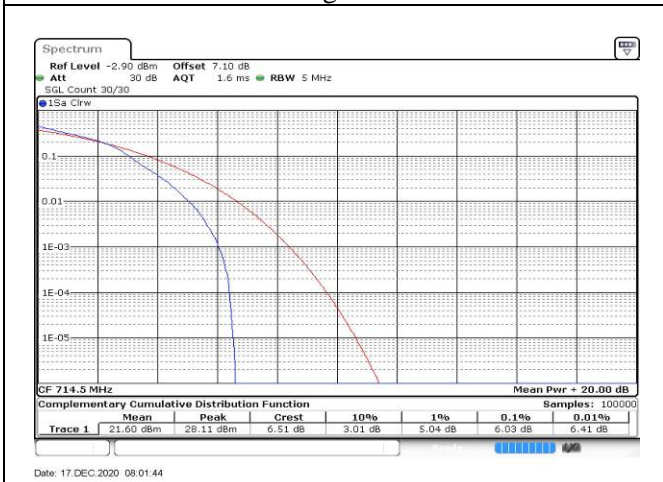


Fig.33

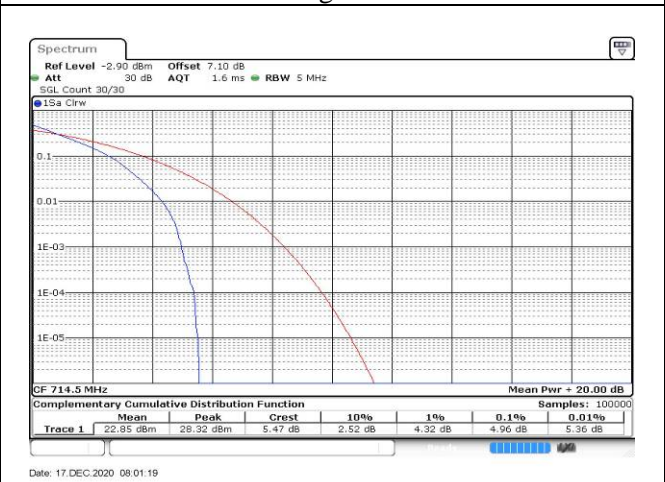


Fig.34

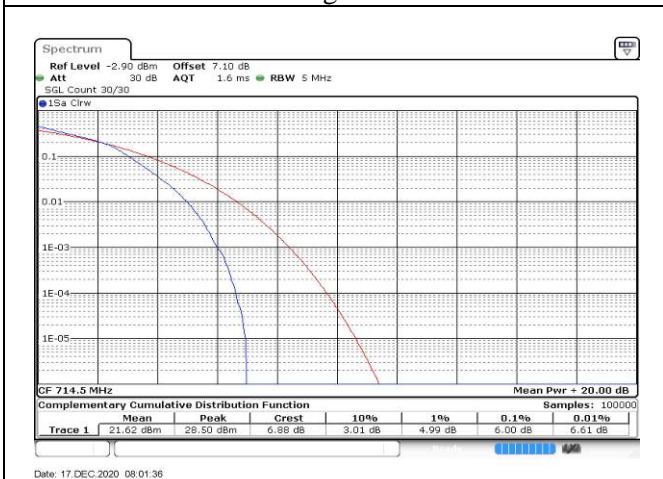


Fig.35

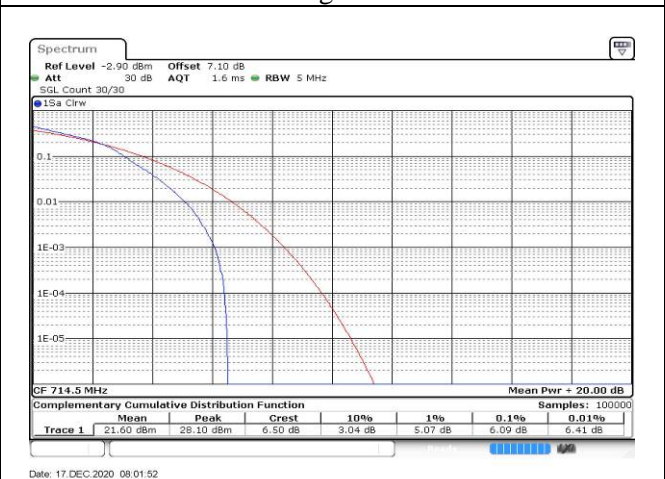


Fig.36

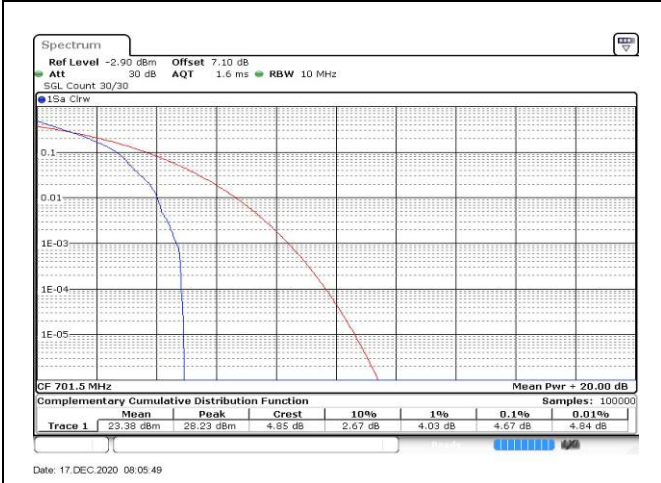


Fig.37

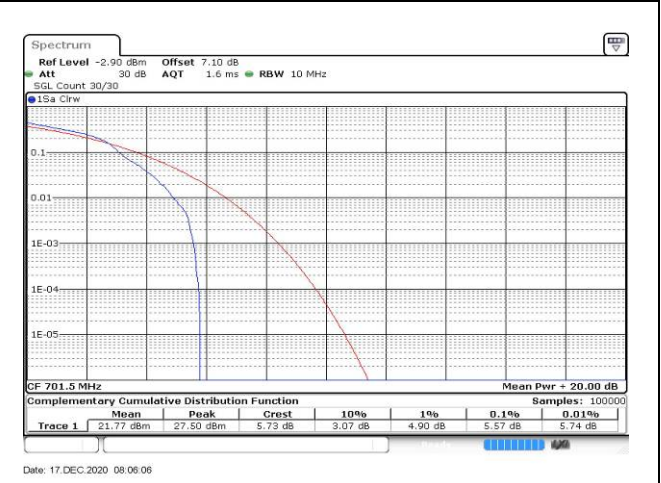


Fig.38

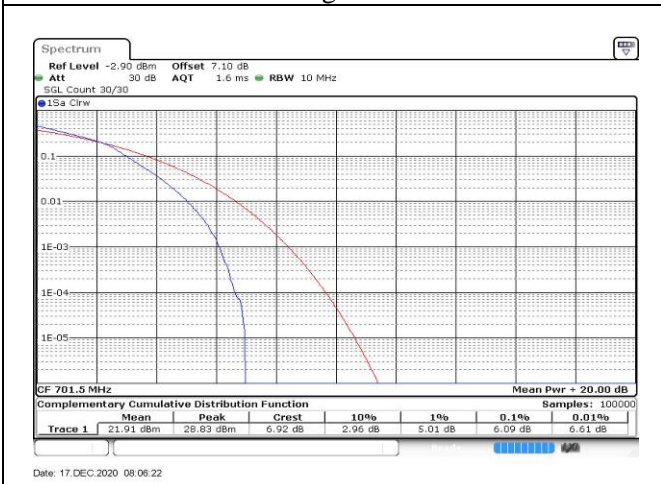


Fig.39

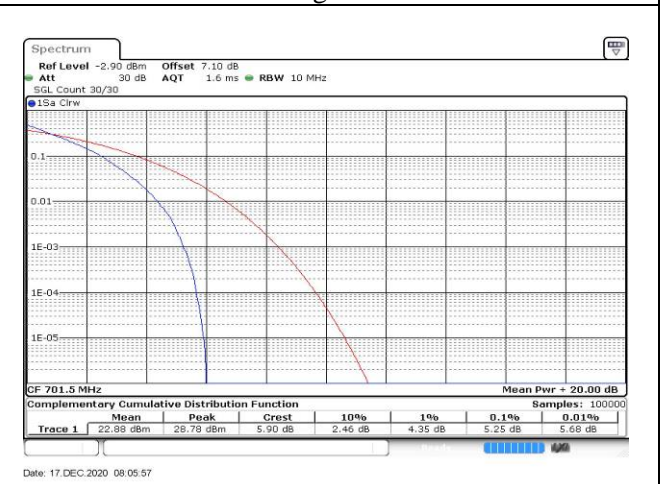


Fig.40

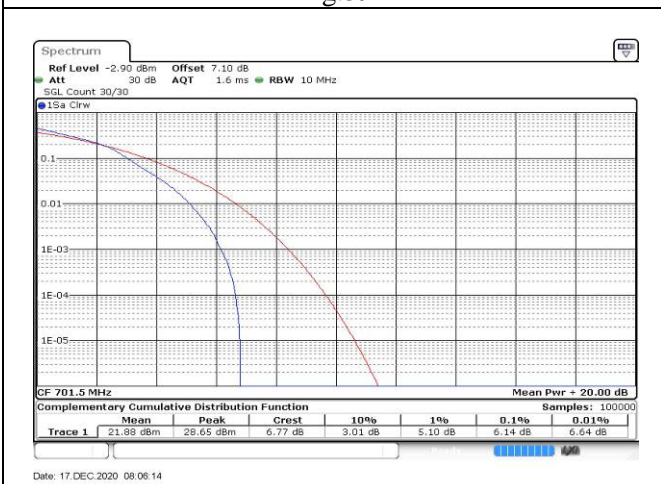


Fig.41

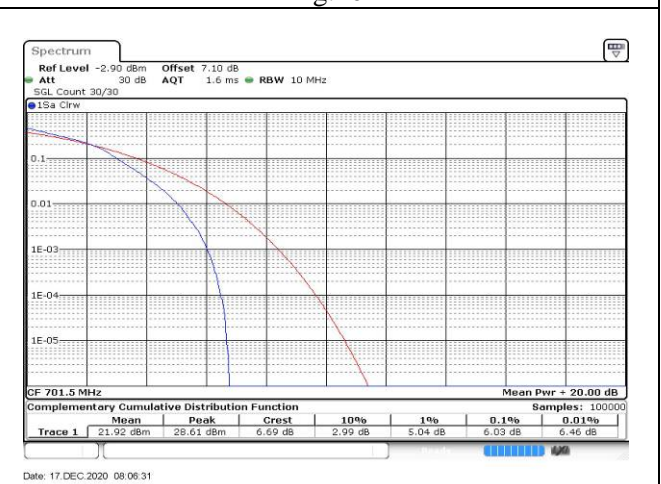


Fig.42

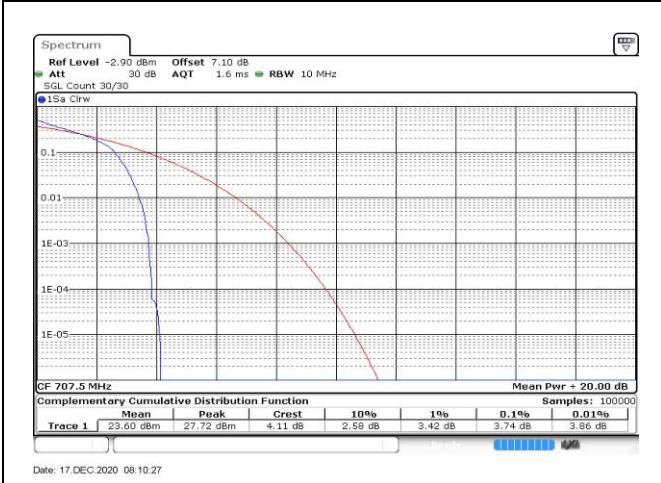


Fig.43

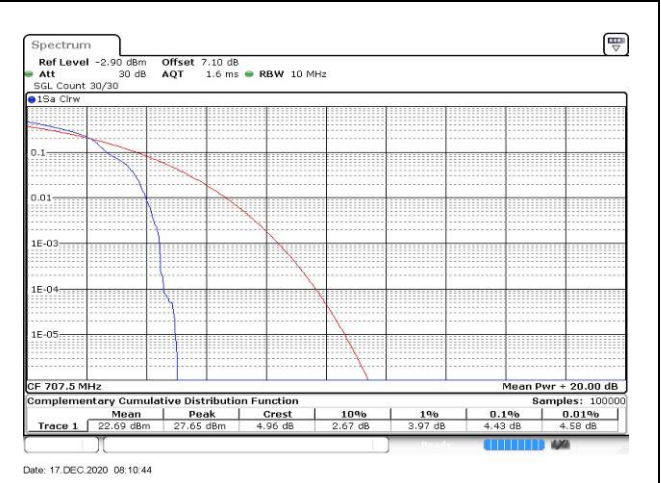


Fig.44

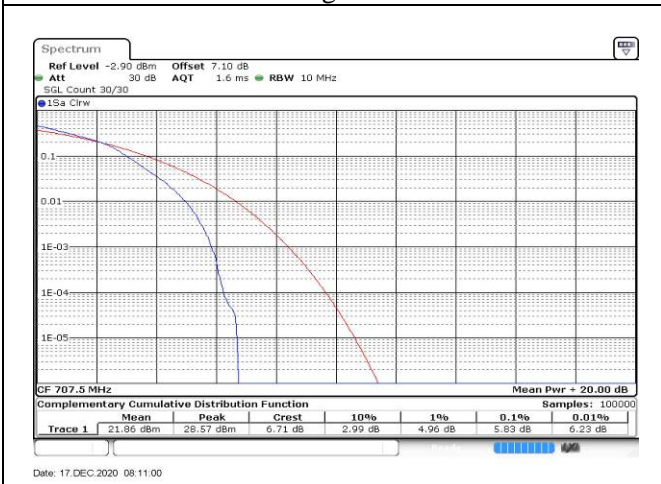


Fig.45

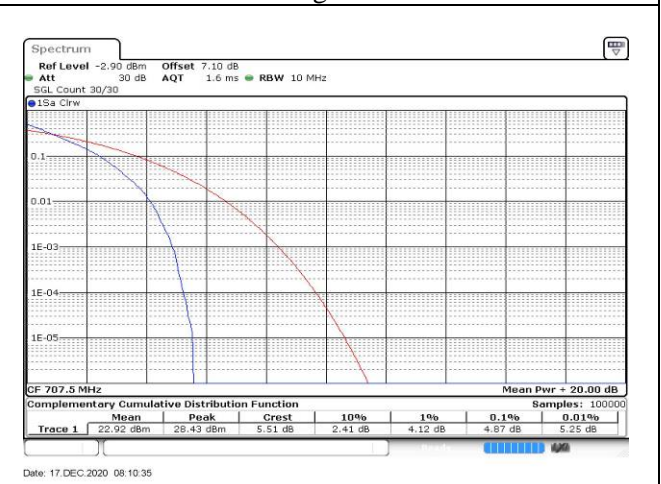


Fig.46

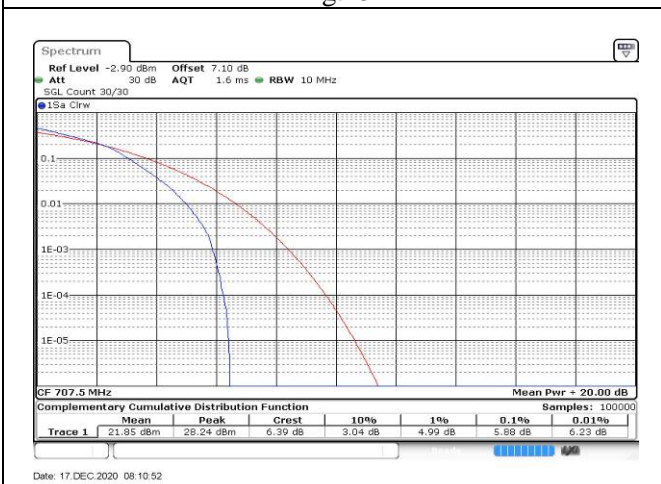


Fig.47

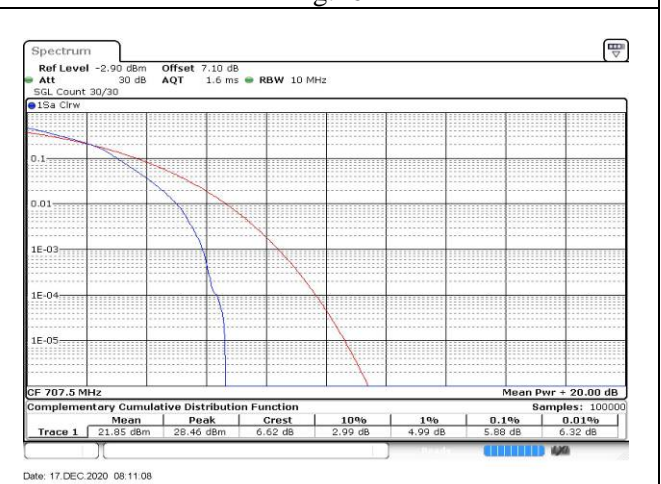


Fig.48

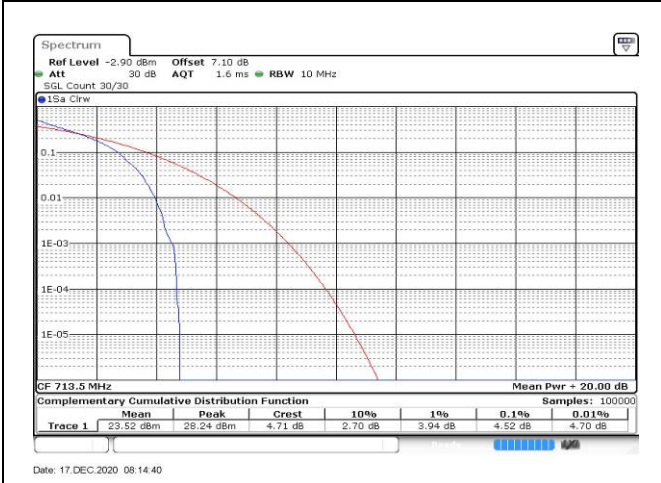


Fig.49

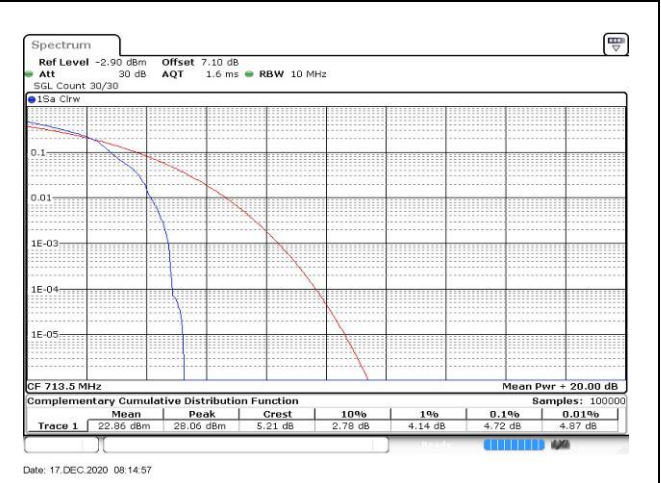


Fig.50

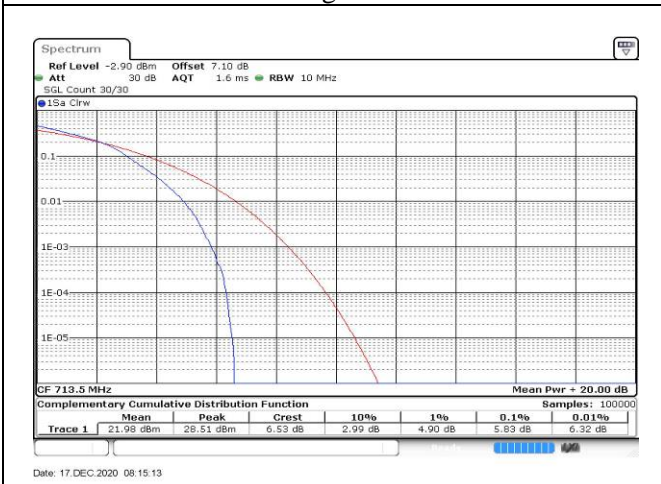


Fig.51

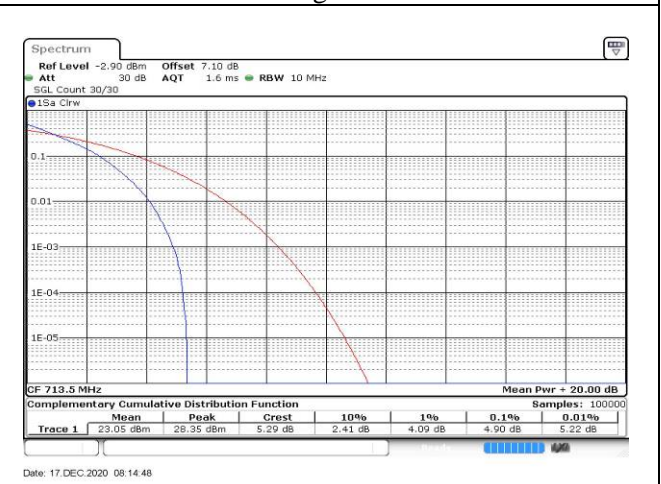


Fig.52



Fig.53

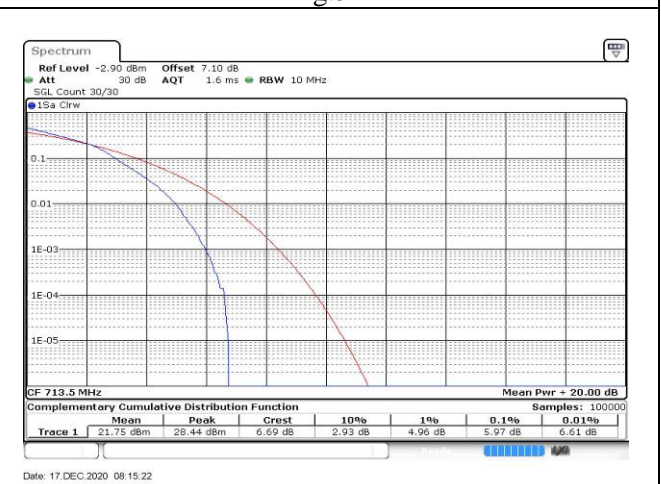


Fig.54

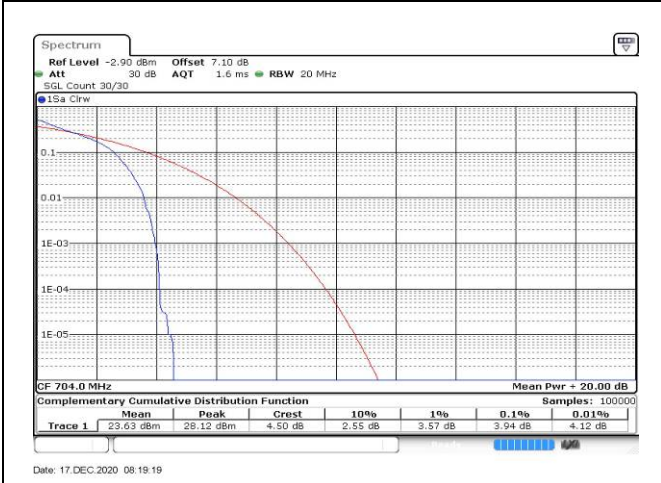


Fig.55

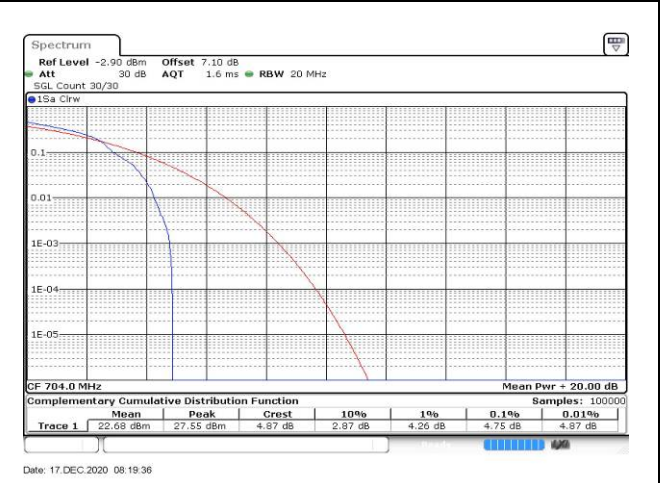


Fig.56

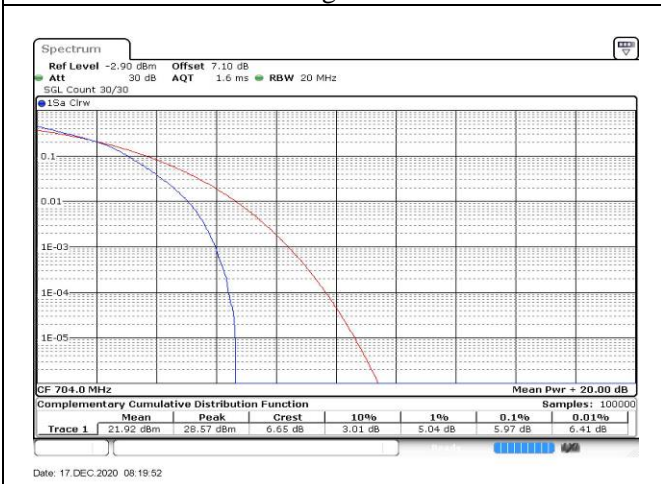


Fig.57

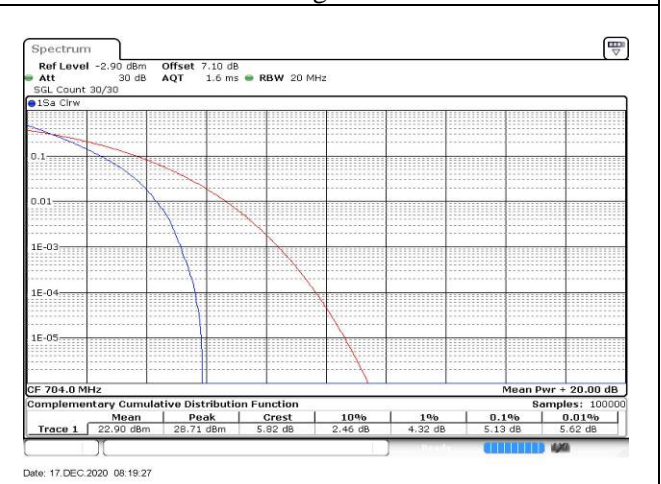


Fig.58

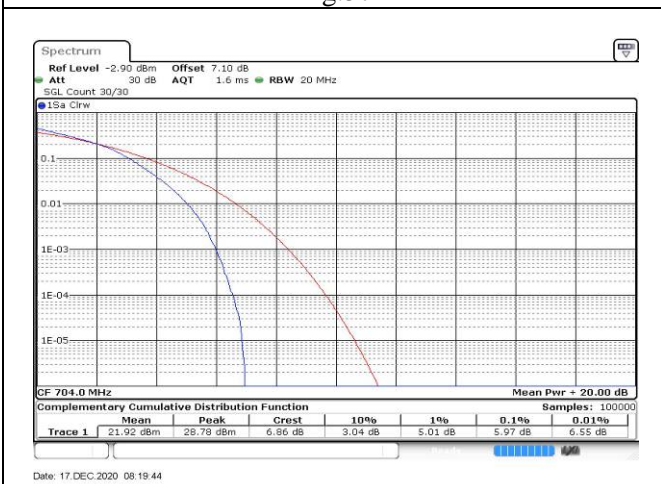


Fig.59

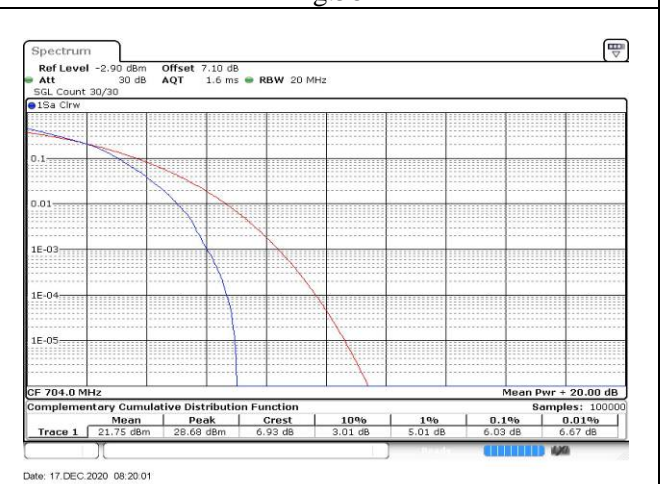


Fig.60

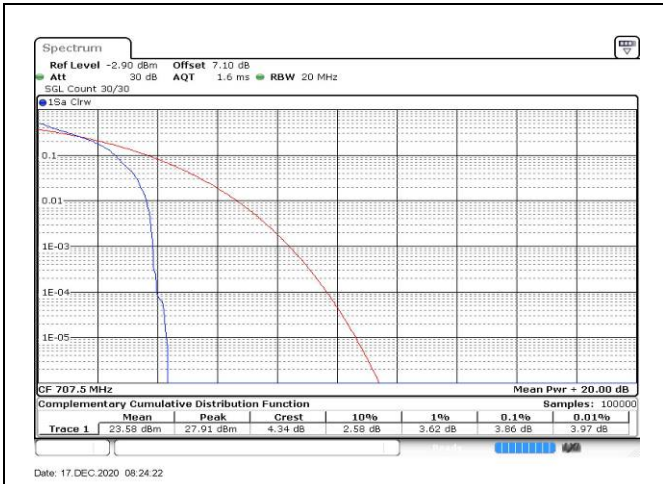


Fig.61

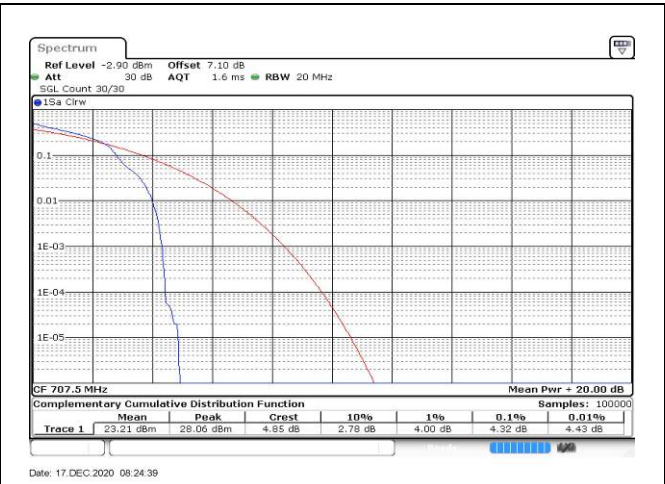


Fig.62

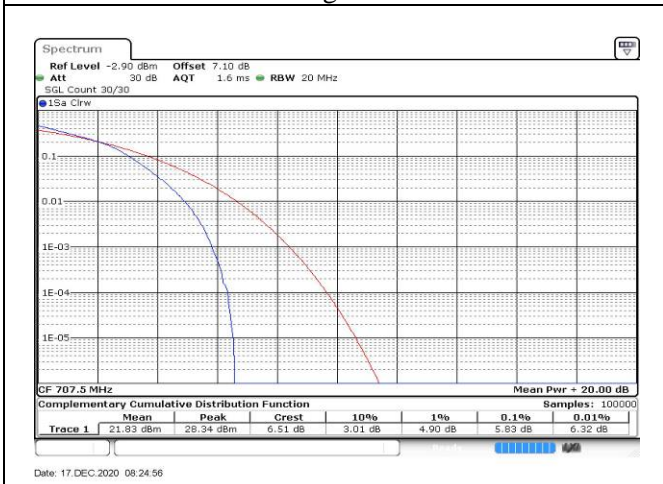


Fig.63

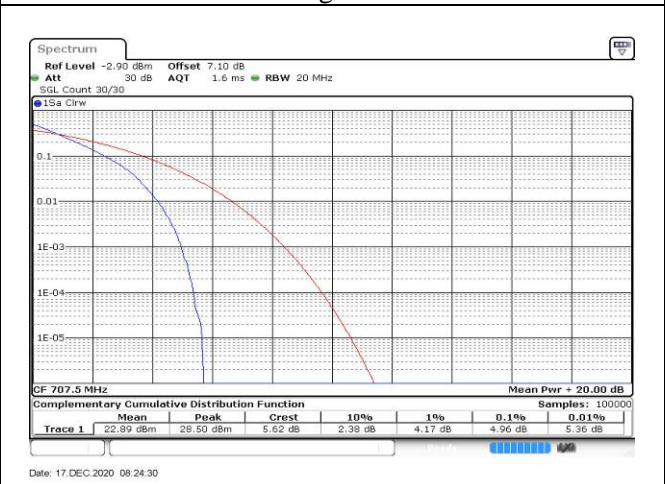


Fig.64

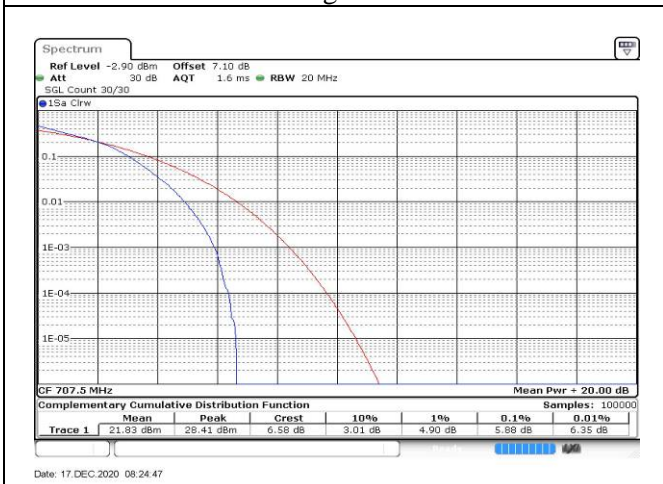


Fig.65

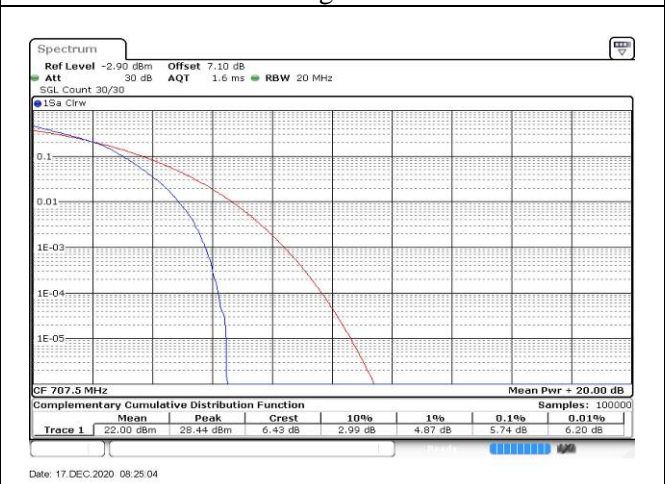


Fig.66

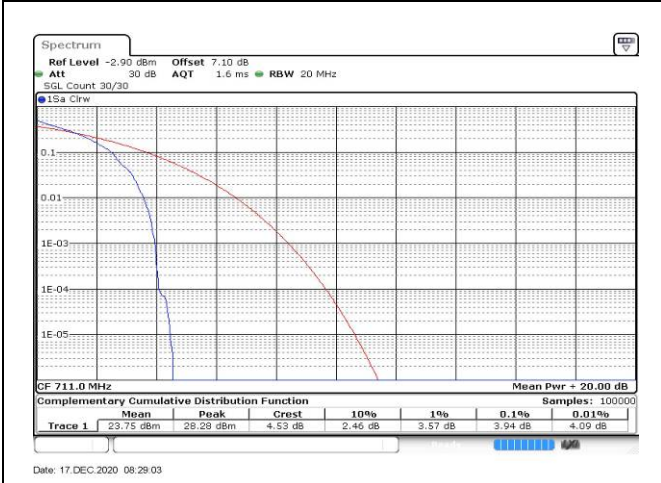


Fig.67

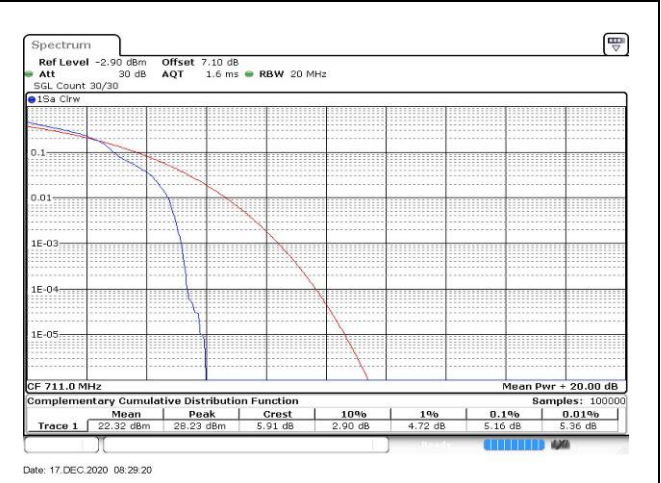


Fig.68

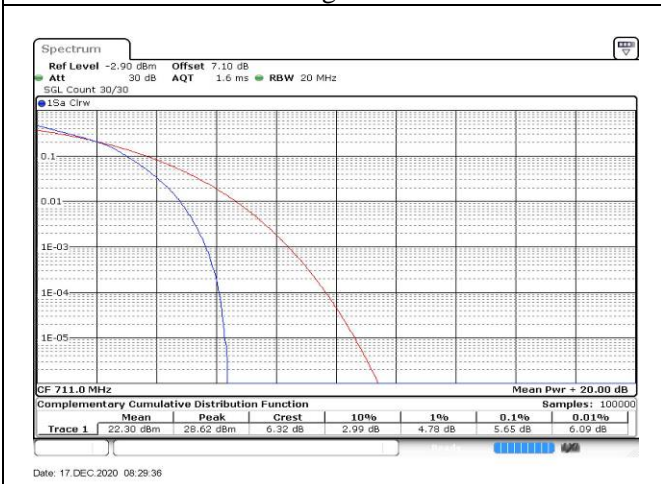


Fig.69

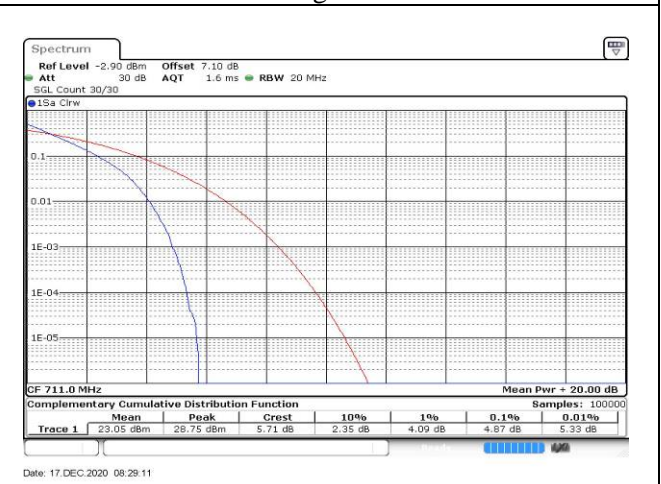


Fig.70

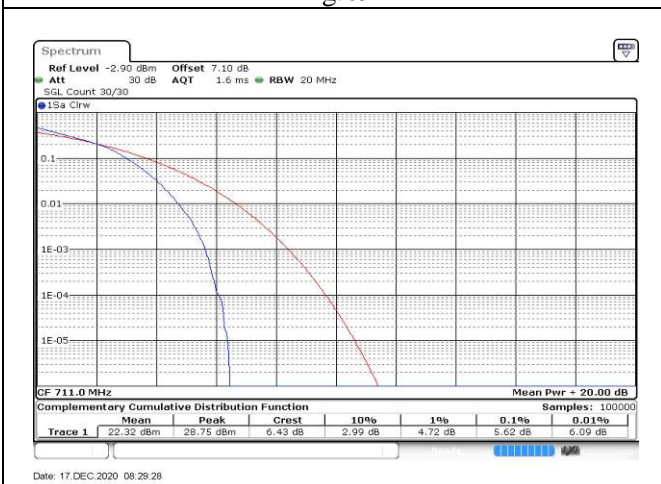


Fig.71

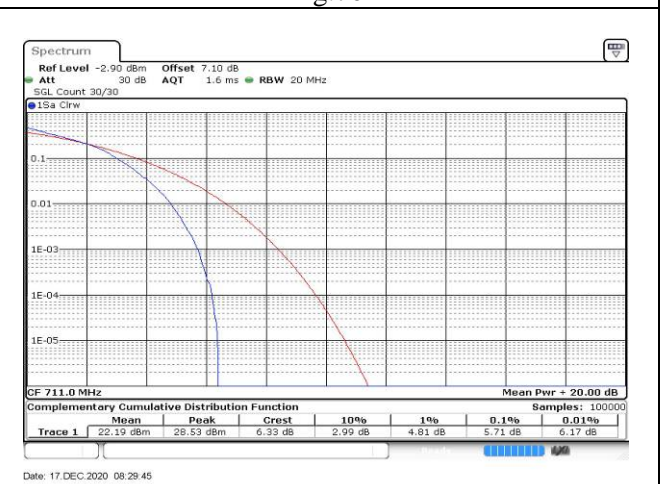


Fig.72

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	0	Fig.1
	707.5	23095		1	0	Fig.2
	711	23130		1	0	Fig.3

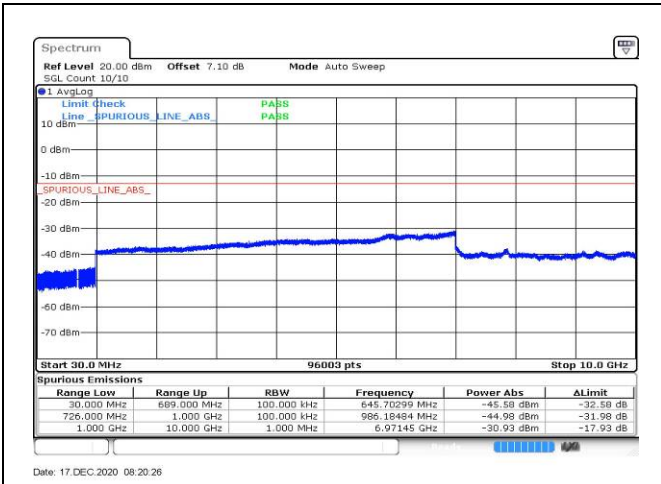


Fig.1

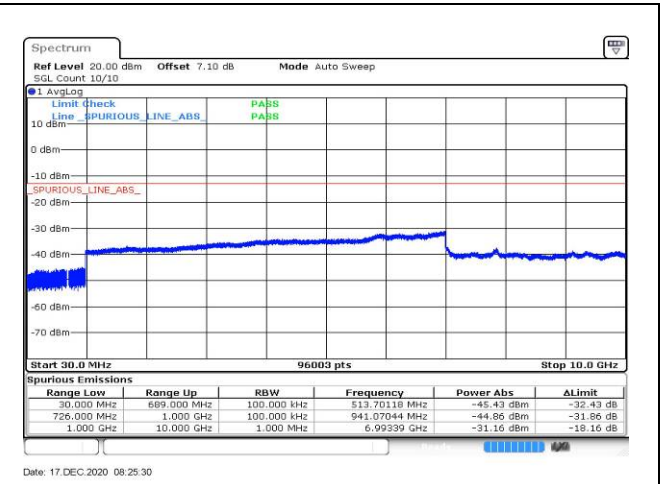


Fig.2

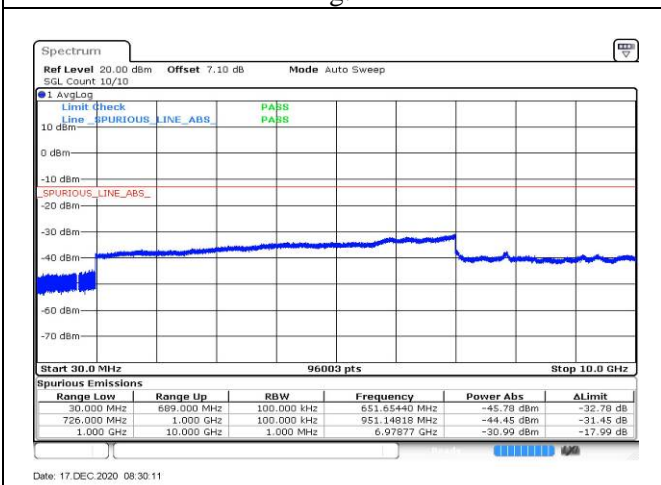


Fig.3

6 Band Edges Compliance

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

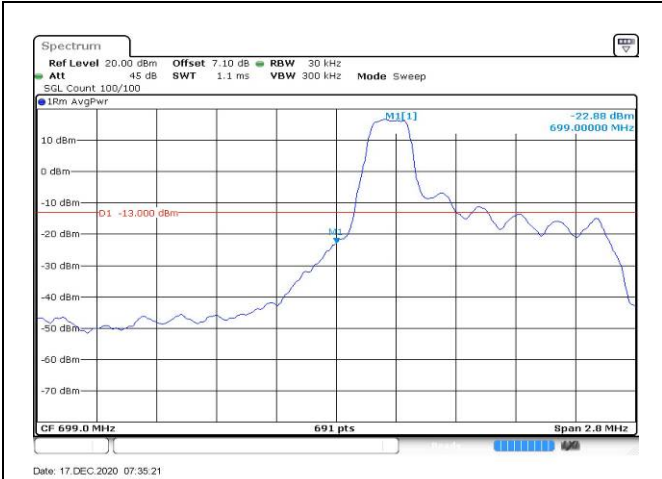


Fig.1

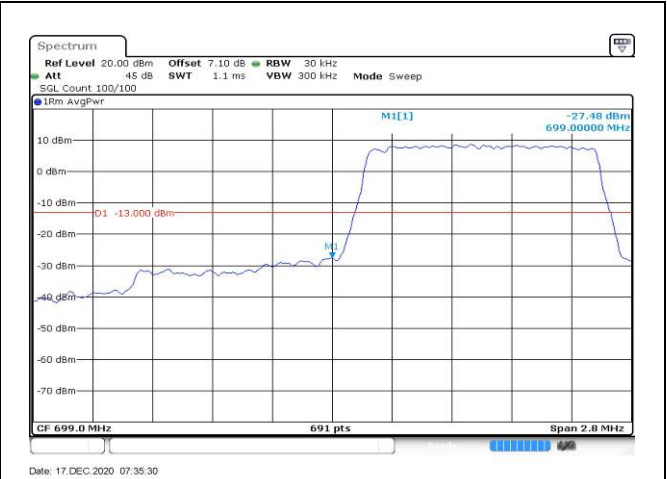


Fig.2

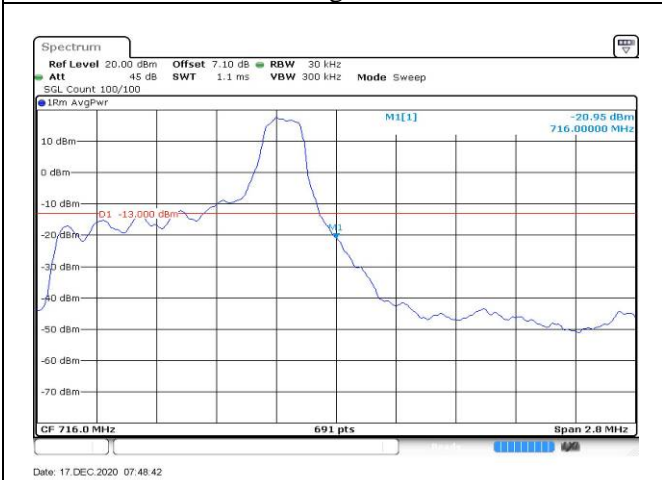


Fig.3

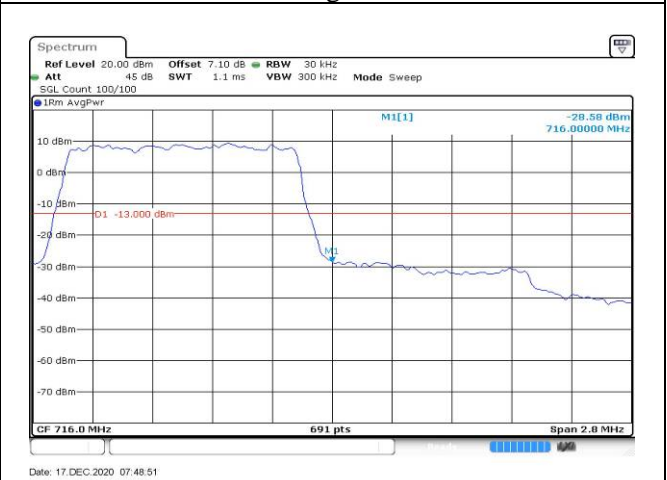


Fig.4

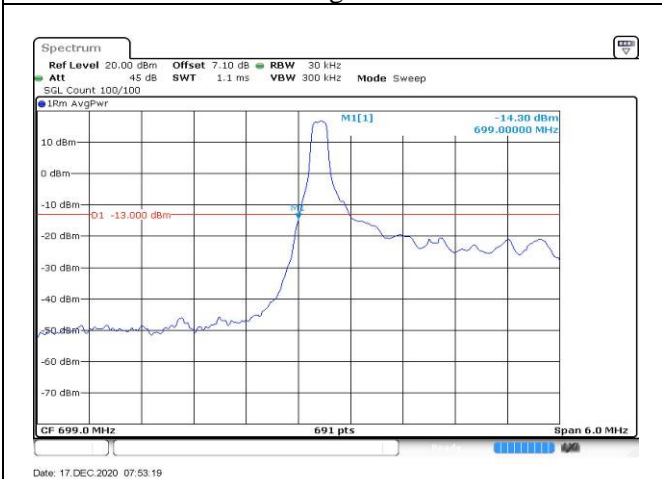


Fig.5

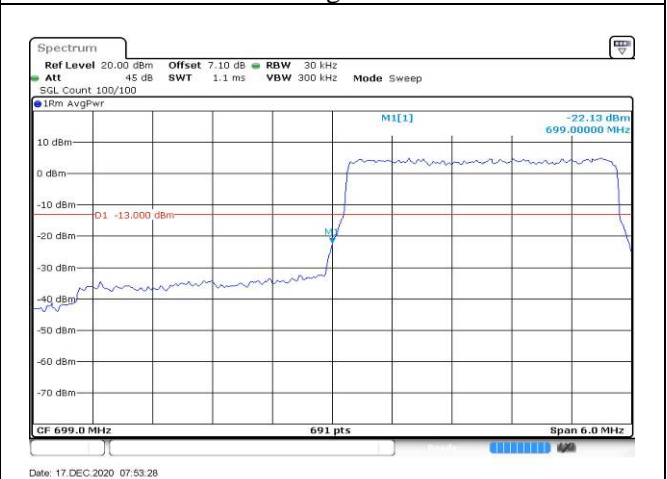


Fig.6

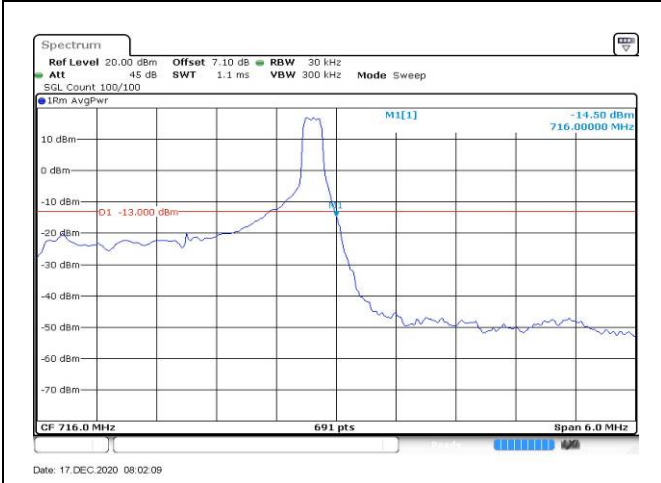


Fig.7

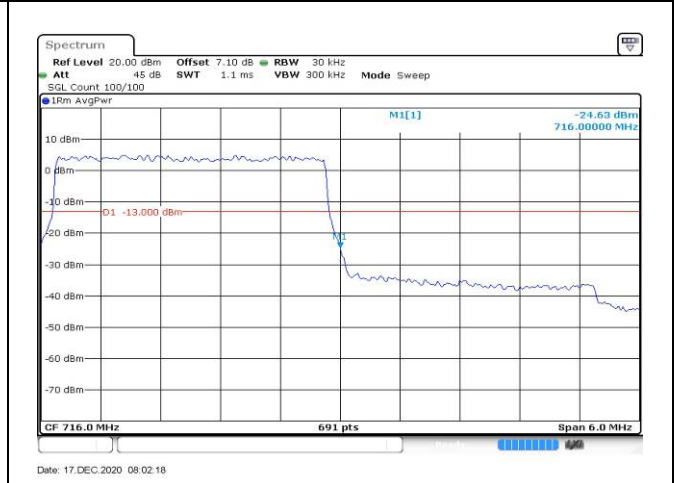


Fig.8

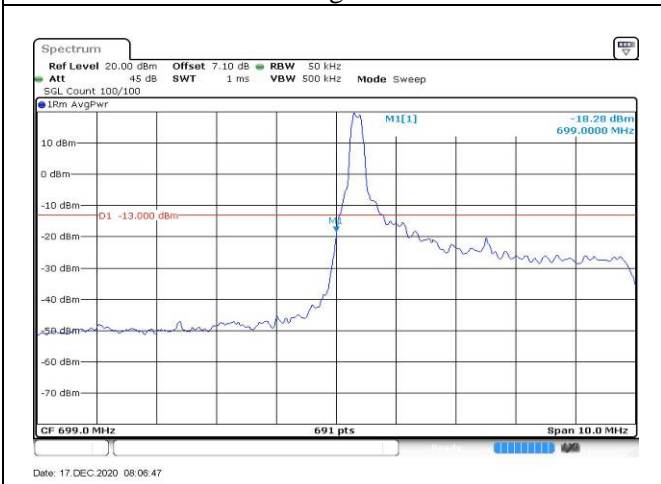


Fig.9

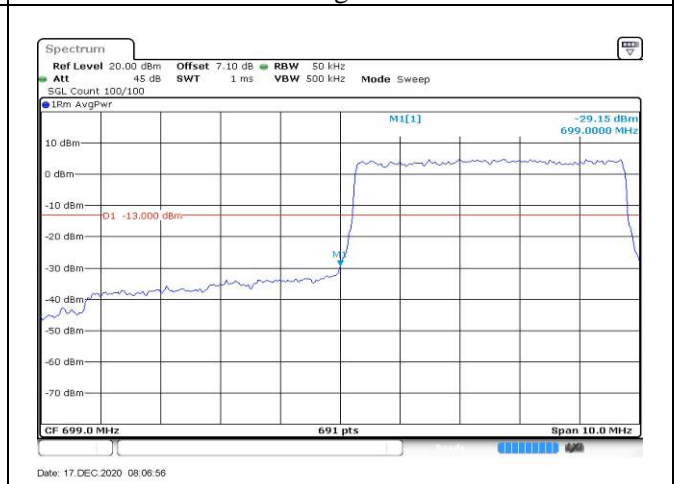


Fig.10

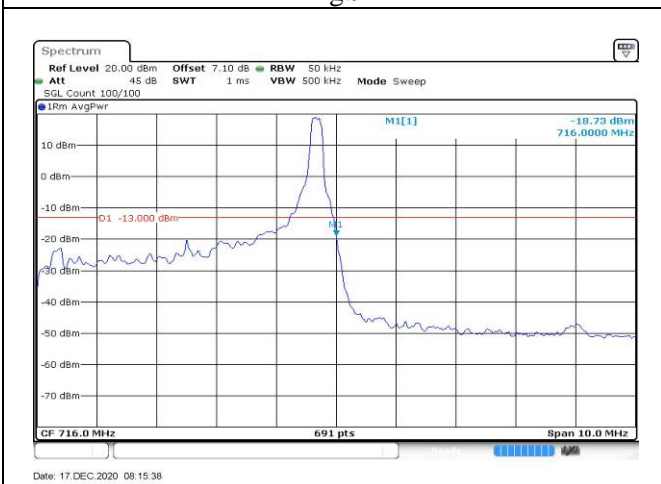


Fig.11

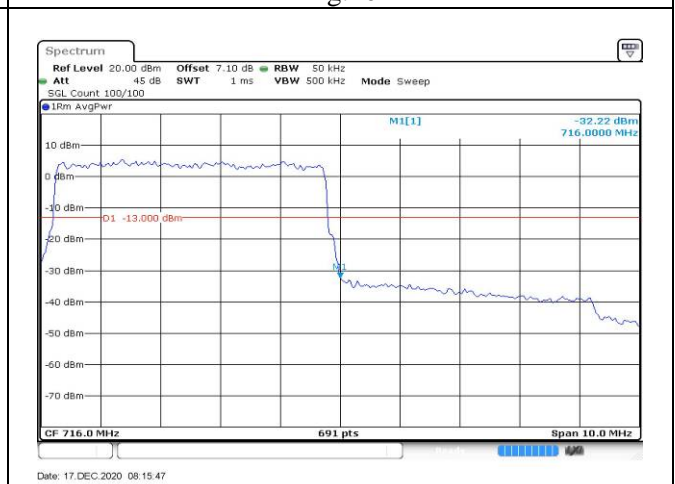


Fig.12

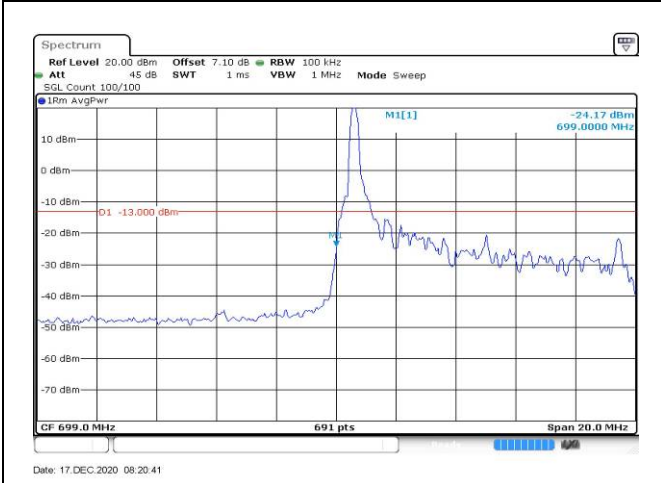


Fig.13

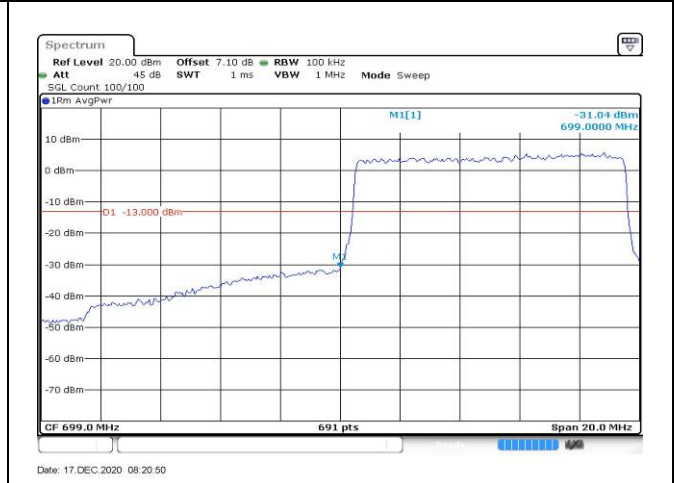


Fig.14

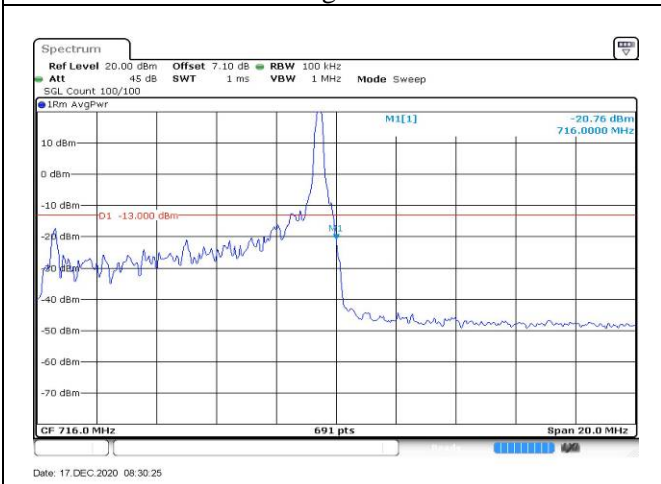


Fig.15



Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band12 Low Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	-0.011	0.013	-0.048	-0.002
0	NV	-0.003	0.011	0.009	-0.050
+10	NV	0.003	0.014	-0.018	-0.007
+20	NV	-0.038	0.009	-0.029	0.005
+30	NV	0.000	0.000	0.000	0.000
+40	NV	-0.021	0.004	-0.021	-0.001
+50	NV	-0.013	0.017	-0.047	0.002
+55	NV	-0.011	0.005	-0.023	0.011
+20	LV	-0.051	0.024	-0.060	-0.021
+20	HV	0.015	0.009	-0.010	0.020

Temperature(°C)	Voltage	Test Result (ppm) Band12 High Channel QPSK			
		1.4M	3M	5M	10M
-10	NV	0.040	-0.056	-0.034	-0.032
0	NV	0.055	-0.045	-0.037	-0.016
+10	NV	0.022	-0.063	-0.037	-0.026
+20	NV	0.000	0.000	0.000	0.000
+30	NV	-0.045	-0.007	-0.038	-0.022
+40	NV	0.049	0.001	-0.044	-0.017
+50	NV	0.057	-0.062	-0.028	-0.032
+55	NV	0.044	-0.034	-0.022	-0.027
+20	LV	0.001	-0.059	-0.025	-0.021
+20	HV	0.058	-0.049	-0.048	-0.033

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	699.7	23017	1.4	1	0	24.05	19.50	0.089		
				1	3	24.04	19.49	0.089		
				1	5	24.07	19.52	0.090		
				3	0	23.17	18.62	0.073		
				3	1	23.12	18.57	0.072		
				3	3	23.22	18.67	0.074		
	707.5	23095		6	0	22.23	17.68	0.059		
				1	0	24.00	19.45	0.088		
				1	3	23.99	19.44	0.088		
				1	5	23.96	19.41	0.087		
				3	0	23.12	18.57	0.072		
				3	1	23.17	18.62	0.073		
				3	3	23.10	18.55	0.072		
				6	0	22.41	17.86	0.061		
				715.3	23173	1	0	24.21	19.66	0.092
						1	3	24.16	19.61	0.091
						1	5	24.18	19.63	0.092
						3	0	23.16	18.61	0.073
	3	1				23.15	18.60	0.072		
	3	3				23.24	18.69	0.074		
	16QAM	699.7		23017	6	0	22.43	17.88	0.061	
					1	0	23.36	18.81	0.076	
					1	3	23.35	18.80	0.076	
					1	5	23.40	18.85	0.077	
3			0		22.43	17.88	0.061			
3			1		22.40	17.85	0.061			
707.5		23095	3	3	22.53	17.98	0.063			
			6	0	21.47	16.92	0.049			
			1	0	23.27	18.72	0.074			
			1	3	23.30	18.75	0.075			
			1	5	23.22	18.67	0.074			
			3	0	22.46	17.91	0.062			
			715.3	23173	3	1	22.40	17.85	0.061	
					3	3	22.42	17.87	0.061	
					6	0	21.75	17.20	0.052	
					1	0	23.44	18.89	0.077	
					1	3	23.41	18.86	0.077	
					1	5	23.44	18.89	0.077	
715.3		23173	3	0	22.39	17.84	0.061			
			3	1	22.48	17.93	0.062			
			3	3	22.53	17.98	0.063			
			6	0	21.74	17.19	0.052			

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	699.7	23017	1.4	1	0	22.29	17.74	0.059
				1	3	22.50	17.95	0.062
				1	5	22.23	17.68	0.059
				3	0	22.44	17.89	0.062
				3	1	22.59	18.04	0.064
				3	3	22.53	17.98	0.063
				6	0	22.53	17.98	0.063
	707.5	23095		1	0	22.52	17.97	0.063
				1	3	22.41	17.86	0.061
				1	5	22.56	18.01	0.063
				3	0	22.39	17.84	0.061
				3	1	22.55	18.00	0.063
				3	3	22.54	17.99	0.063
				6	0	22.54	17.99	0.063
	715.3	23173		1	0	22.43	17.88	0.061
				1	3	22.42	17.87	0.061
				1	5	22.41	17.86	0.061
				3	0	22.54	17.99	0.063
				3	1	22.40	17.85	0.061
				3	3	22.52	17.97	0.063
				6	0	22.52	17.97	0.063

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	700.5	23025	3	1	0	24.41	19.86	0.097
				1	8	24.26	19.71	0.094
				1	14	24.25	19.70	0.093
				8	0	23.25	18.70	0.074
				8	4	23.25	18.70	0.074
				8	7	23.24	18.69	0.074
	15	0		23.40	18.85	0.077		
	707.5	23095		1	0	24.33	19.78	0.095
				1	8	24.35	19.80	0.095
				1	14	24.34	19.79	0.095
				8	0	23.35	18.80	0.076
				8	4	23.38	18.83	0.076
				8	7	23.43	18.88	0.077
	15	0		23.41	18.86	0.077		
	714.5	23165		1	0	24.43	19.88	0.097
				1	8	24.57	20.02	0.100
				1	14	24.55	20.00	0.100
				8	0	23.32	18.77	0.075
8			4	23.42	18.87	0.077		
8			7	23.42	18.87	0.077		
15	0	23.32	18.77	0.075				
16QAM	700.5	23025	1	0	23.73	19.18	0.083	
			1	8	23.43	18.88	0.077	
			1	14	23.53	18.98	0.079	
			8	0	22.61	18.06	0.064	
			8	4	22.60	18.05	0.064	
			8	7	22.60	18.05	0.064	
	15	0	22.37	17.82	0.061			
	707.5	23095	1	0	23.59	19.04	0.080	
			1	8	23.56	19.01	0.080	
			1	14	23.48	18.93	0.078	
			8	0	22.32	17.77	0.060	
			8	4	22.42	17.87	0.061	
			8	7	22.39	17.84	0.061	
	15	0	22.35	17.80	0.060			
	714.5	23165	1	0	23.26	18.71	0.074	
			1	8	23.28	18.73	0.075	
			1	14	23.13	18.58	0.072	
			8	0	22.43	17.88	0.061	
8			4	22.55	18.00	0.063		
8			7	22.42	17.87	0.061		
15	0	22.24	17.69	0.059				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	700.5	23025	3	1	0	22.38	17.83	0.061
				1	8	22.37	17.82	0.061
				1	14	22.37	17.82	0.061
				8	0	22.37	17.82	0.061
				8	4	22.37	17.82	0.061
				8	7	22.37	17.82	0.061
				15	0	22.37	17.82	0.061
	707.5	23095		1	0	22.44	17.89	0.062
				1	8	22.40	17.85	0.061
				1	14	22.39	17.84	0.061
				8	0	22.36	17.81	0.060
				8	4	22.36	17.81	0.060
				8	7	22.35	17.80	0.060
				15	0	22.44	17.89	0.062
	714.5	23165		1	0	22.24	17.69	0.059
				1	8	22.19	17.64	0.058
				1	14	22.19	17.64	0.058
				8	0	22.19	17.64	0.058
				8	4	22.25	17.70	0.059
				8	7	22.20	17.65	0.058
				15	0	22.19	17.64	0.058

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)		
QPSK	701.5	23035	5	1	0	24.46	19.91	0.098		
				1	12	24.28	19.73	0.094		
				1	24	24.27	19.72	0.094		
				12	0	23.31	18.76	0.075		
				12	7	23.21	18.66	0.073		
				12	13	23.35	18.80	0.076		
	707.5	23095		25	0	23.28	18.73	0.075		
				1	0	24.44	19.89	0.097		
				1	12	24.36	19.81	0.096		
				1	24	24.36	19.81	0.096		
				12	0	23.43	18.88	0.077		
				12	7	23.42	18.87	0.077		
				12	13	23.42	18.87	0.077		
				25	0	23.38	18.83	0.076		
				713.5	23155	1	0	24.42	19.87	0.097
						1	12	24.37	19.82	0.096
						1	24	24.35	19.80	0.095
						12	0	23.47	18.92	0.078
						12	7	23.40	18.85	0.077
						12	13	23.40	18.85	0.077
				16QAM	701.5	23035	25	0	23.39	18.84
1	0	22.53	17.98				0.063			
1	12	22.63	18.08				0.064			
1	24	22.53	17.98				0.063			
12	0	22.22	17.67				0.058			
12	7	22.39	17.84				0.061			
707.5	23095	12	13		22.24	17.69	0.059			
		25	0		22.38	17.83	0.061			
		1	0		23.32	18.77	0.075			
		1	12		23.44	18.89	0.077			
		1	24		23.44	18.89	0.077			
		12	0		22.38	17.83	0.061			
		12	7		22.24	17.69	0.059			
		12	13		22.14	17.59	0.057			
		25	0		22.25	17.70	0.059			
		713.5	23155		1	0	23.07	18.52	0.071	
					1	12	23.00	18.45	0.070	
					1	24	22.99	18.44	0.070	
					12	0	22.09	17.54	0.057	
					12	7	22.05	17.50	0.056	
					12	13	22.05	17.50	0.056	
		25	0		22.13	17.58	0.057			

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	701.5	23035	5	1	0	22.38	17.83	0.061
				1	12	22.38	17.83	0.061
				1	24	22.38	17.83	0.061
				12	0	22.38	17.83	0.061
				12	7	22.33	17.78	0.060
				12	13	22.38	17.83	0.061
				25	0	22.33	17.78	0.060
	707.5	23095		1	0	22.25	17.70	0.059
				1	12	22.25	17.70	0.059
				1	24	22.25	17.70	0.059
				12	0	22.30	17.75	0.060
				12	7	22.29	17.74	0.059
				12	13	22.26	17.71	0.059
				25	0	22.25	17.70	0.059
	713.5	23155		1	0	22.13	17.58	0.057
				1	12	22.13	17.58	0.057
				1	24	22.13	17.58	0.057
				12	0	22.14	17.59	0.057
				12	7	22.30	17.75	0.060
				12	13	22.39	17.84	0.061
				25	0	22.29	17.74	0.059

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	704	23060	10	1	0	24.15	19.60	0.091
				1	25	24.43	19.88	0.097
				1	49	24.42	19.87	0.097
				25	0	23.35	18.80	0.076
				25	12	23.22	18.67	0.074
				25	25	23.23	18.68	0.074
	50	0		23.31	18.76	0.075		
	707.5	23095		1	0	24.29	19.74	0.094
				1	25	24.33	19.78	0.095
				1	49	24.33	19.78	0.095
				25	0	23.22	18.67	0.074
				25	12	23.47	18.92	0.078
				25	25	23.34	18.79	0.076
	50	0		23.23	18.68	0.074		
	711	23130		1	0	24.59	20.04	0.101
				1	25	24.67	20.12	0.103
				1	49	24.51	19.96	0.099
				25	0	23.40	18.85	0.077
25			12	23.22	18.67	0.074		
25			25	23.45	18.90	0.078		
16QAM	704	23060	50	0	23.39	18.84	0.077	
			1	0	23.75	19.20	0.083	
			1	25	23.56	19.01	0.080	
			1	49	23.63	19.08	0.081	
			25	0	22.27	17.72	0.059	
			25	12	22.15	17.60	0.058	
	25	25	22.16	17.61	0.058			
	50	0	22.35	17.80	0.060			
	707.5	23095	1	0	23.89	19.34	0.086	
			1	25	24.04	19.49	0.089	
			1	49	24.05	19.50	0.089	
			25	0	22.39	17.84	0.061	
			25	12	22.73	18.18	0.066	
			25	25	22.68	18.13	0.065	
	50	0	22.32	17.77	0.060			
	711	23130	1	0	23.17	18.62	0.073	
			1	25	23.09	18.54	0.071	
			1	49	23.08	18.53	0.071	
25			0	22.81	18.26	0.067		
25			12	22.49	17.94	0.062		
25			25	22.45	17.90	0.062		
50	0	22.74	18.19	0.066				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	704	23060	10	1	0	22.34	17.79	0.060
				1	25	22.34	17.79	0.060
				1	49	22.34	17.79	0.060
				25	0	22.34	17.79	0.060
				25	12	22.34	17.79	0.060
				25	25	22.34	17.79	0.060
				50	0	22.34	17.79	0.060
	707.5	23095		1	0	22.44	17.89	0.062
				1	25	22.59	18.04	0.064
				1	49	22.65	18.10	0.065
				25	0	22.70	18.15	0.065
				25	12	22.35	17.80	0.060
				25	25	22.61	18.06	0.064
				50	0	22.61	18.06	0.064
	711	23130		1	0	22.74	18.19	0.066
				1	25	22.74	18.19	0.066
				1	49	22.62	18.07	0.064
				25	0	22.62	18.07	0.064
				25	12	22.62	18.07	0.064
				25	25	22.62	18.07	0.064
				50	0	22.62	18.07	0.064