



Fig.31

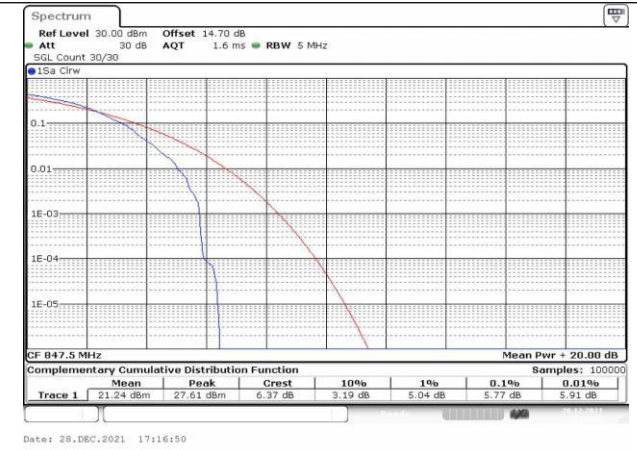


Fig.32

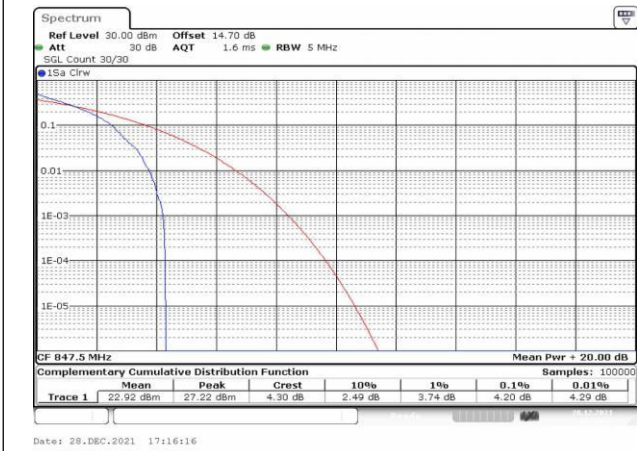


Fig.33

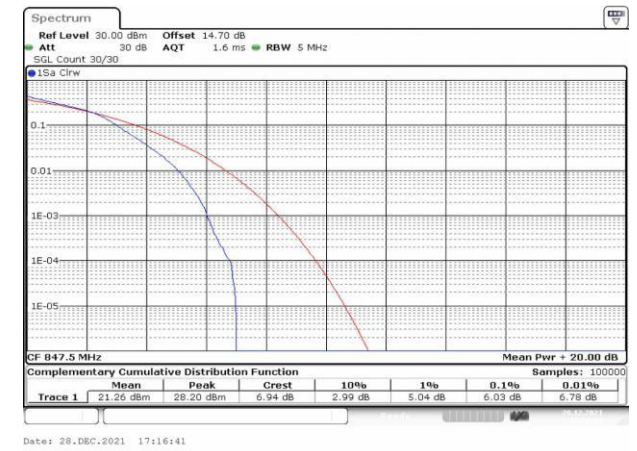


Fig.34

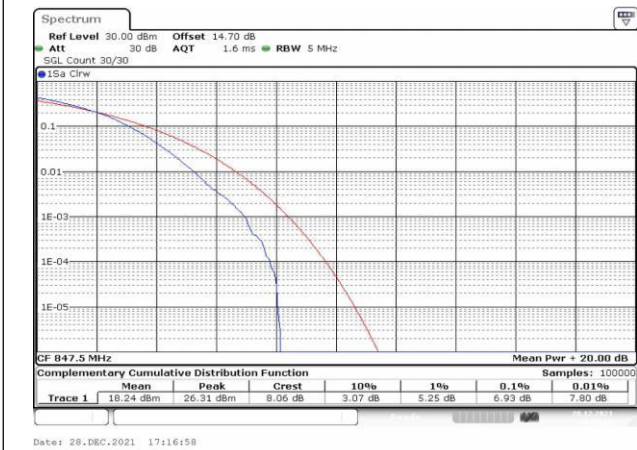


Fig.35

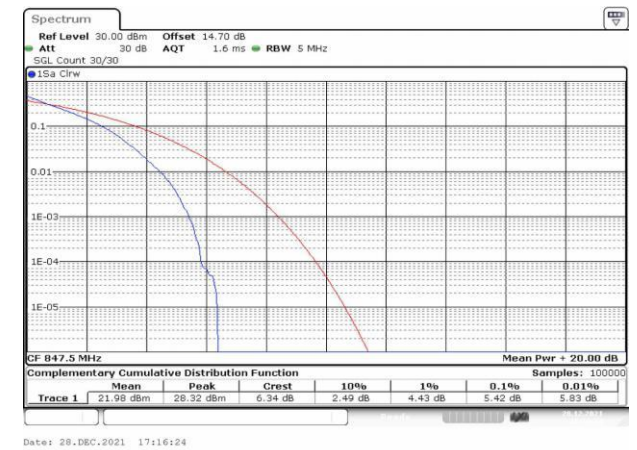


Fig.36



Fig.37

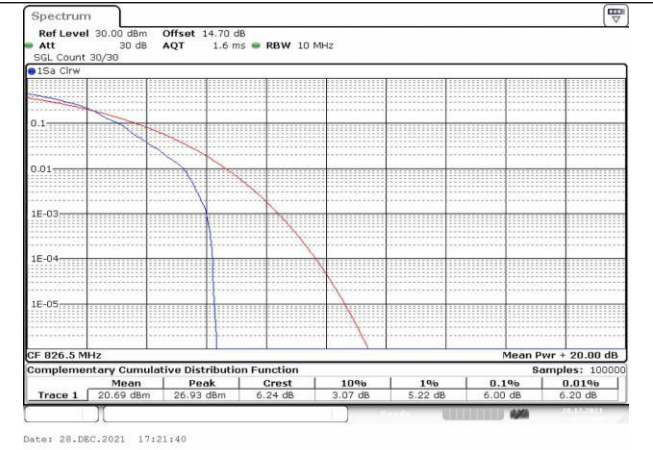


Fig.38

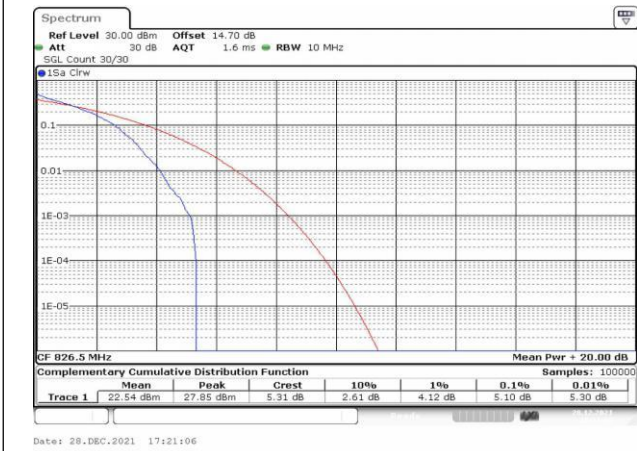


Fig.39

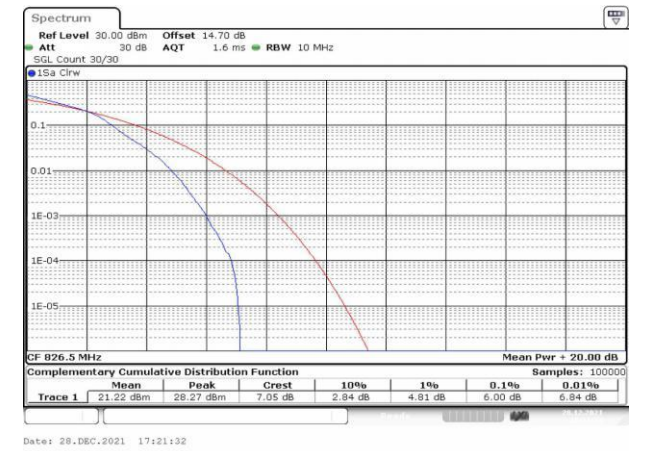


Fig.40

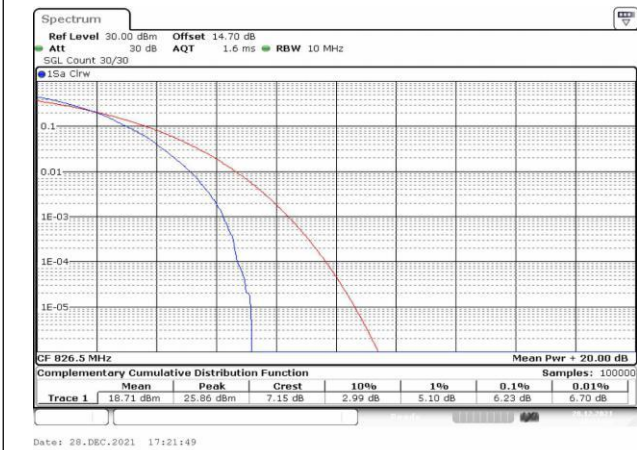


Fig.41

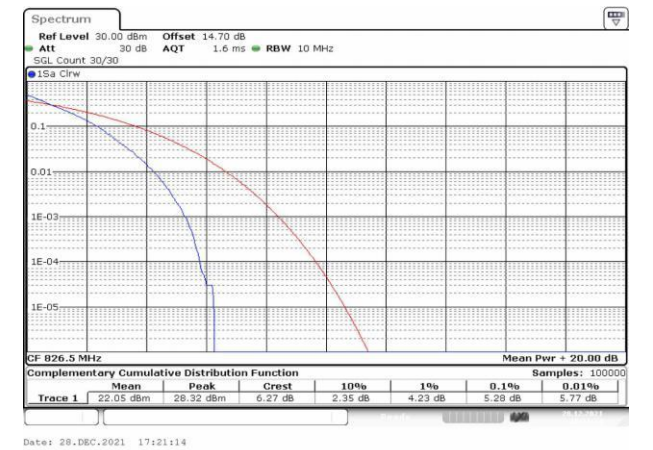


Fig.42



Fig.43

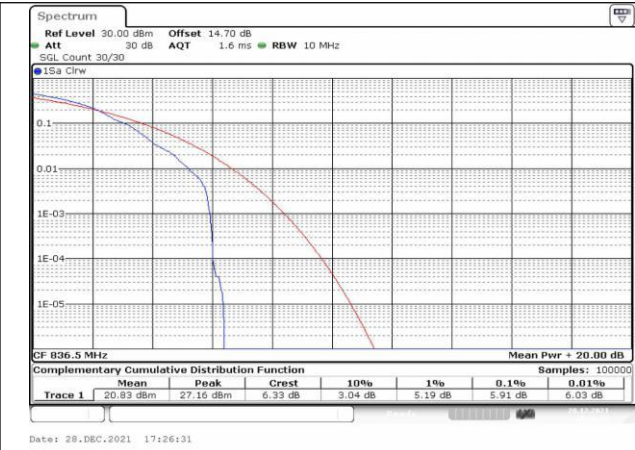


Fig.44

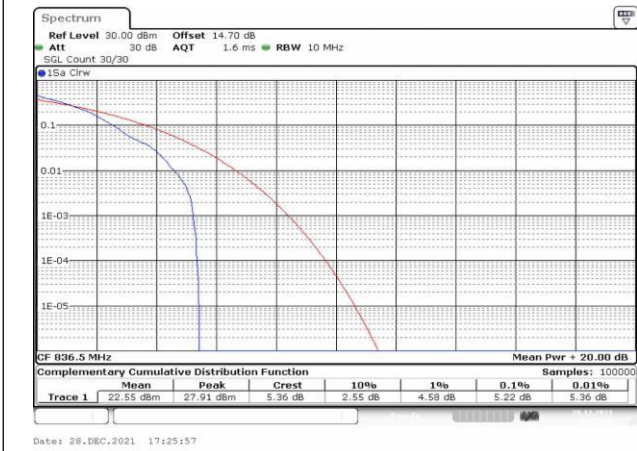


Fig.45

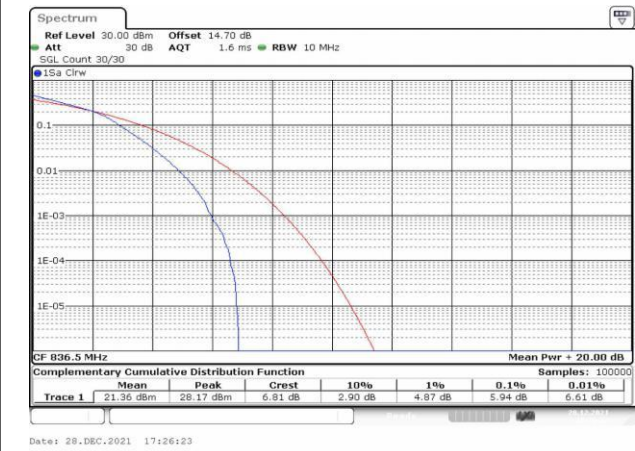


Fig.46

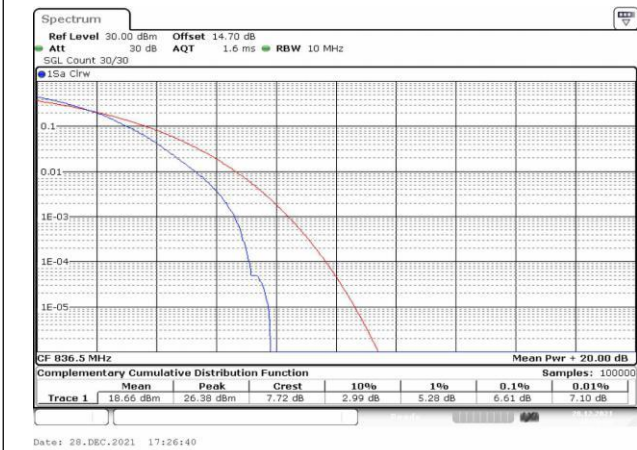


Fig.47

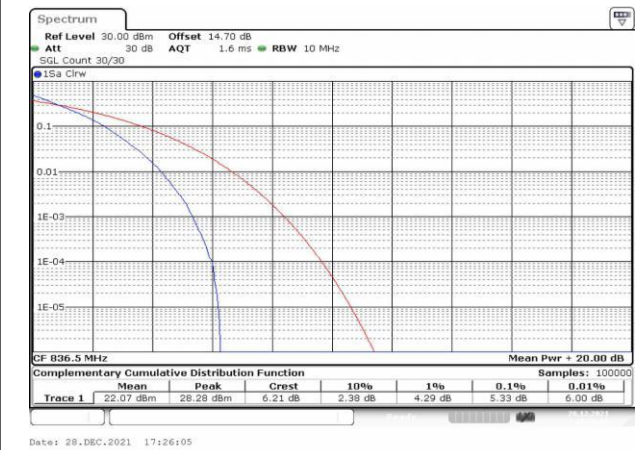


Fig.48

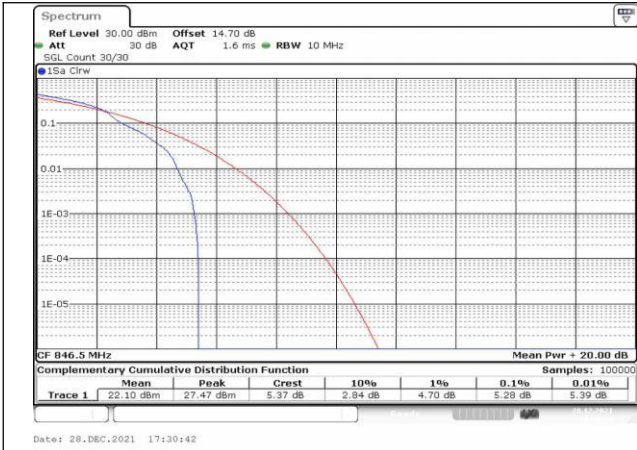


Fig.49

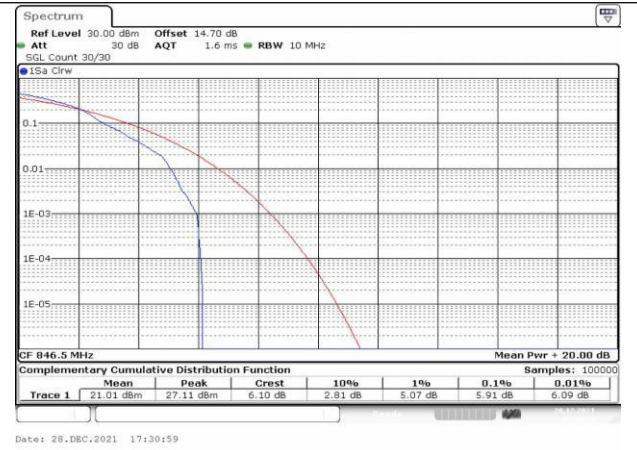


Fig.50

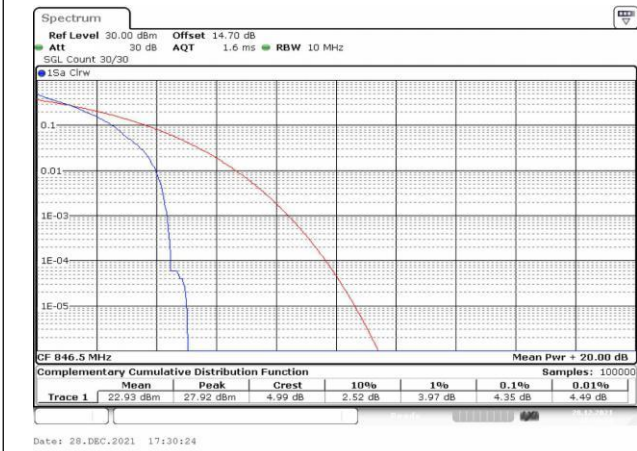


Fig.51

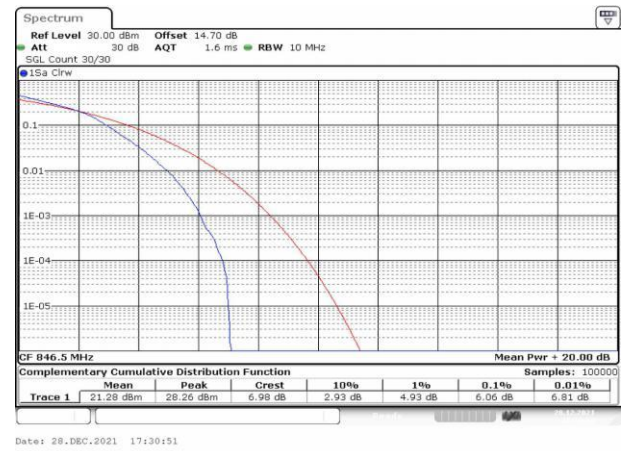


Fig.52

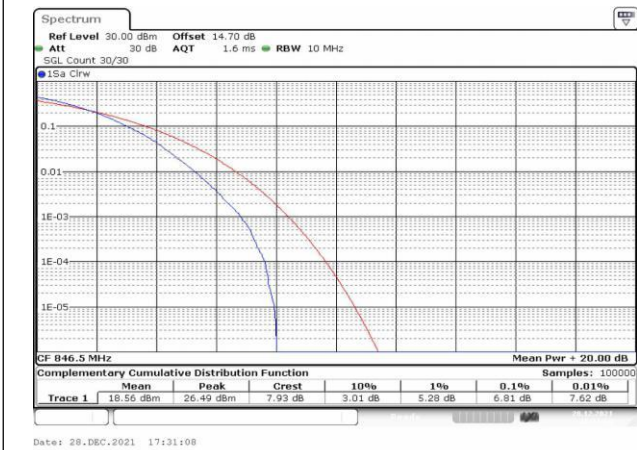


Fig.53

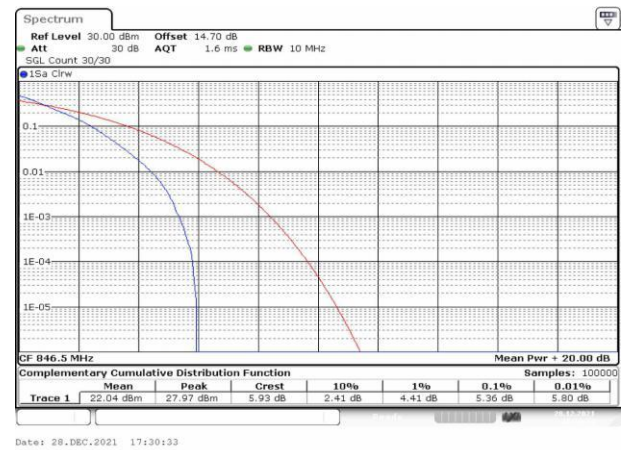


Fig.54



Fig.55

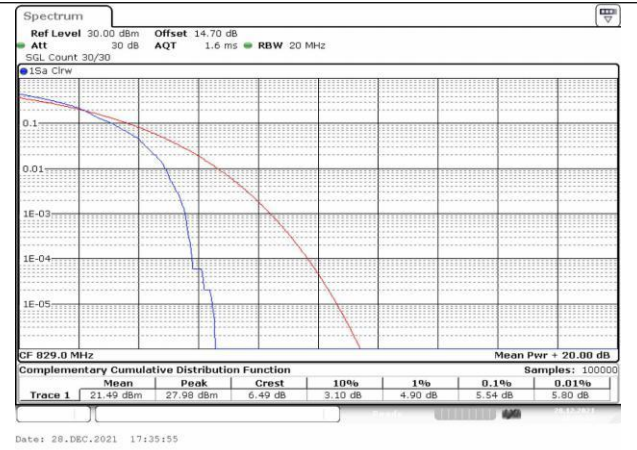


Fig.56

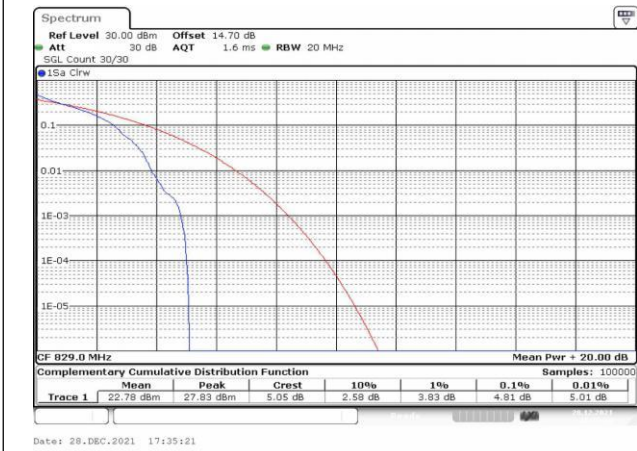


Fig.57

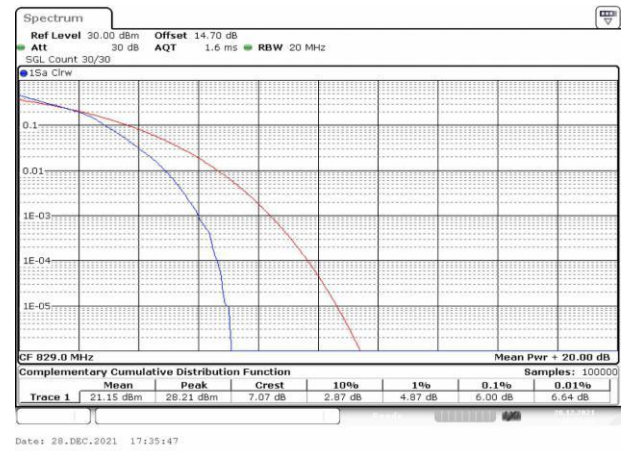


Fig.58

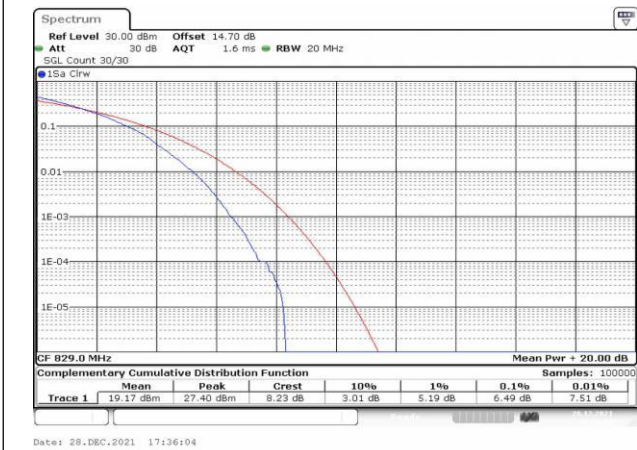


Fig.59

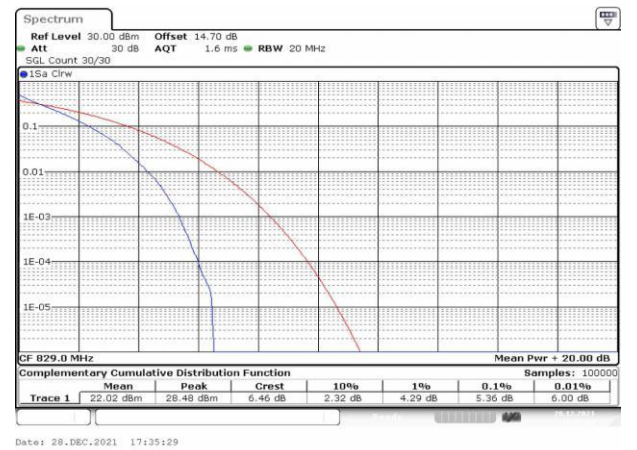


Fig.60

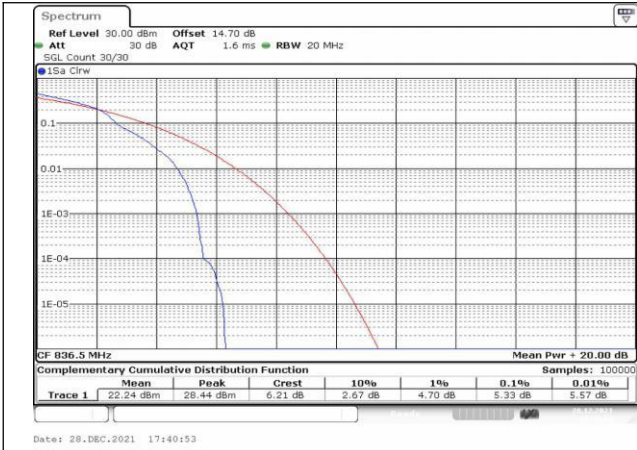


Fig.61

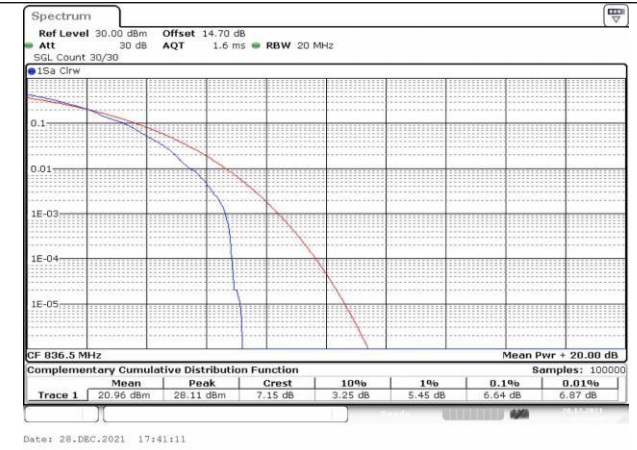


Fig.62

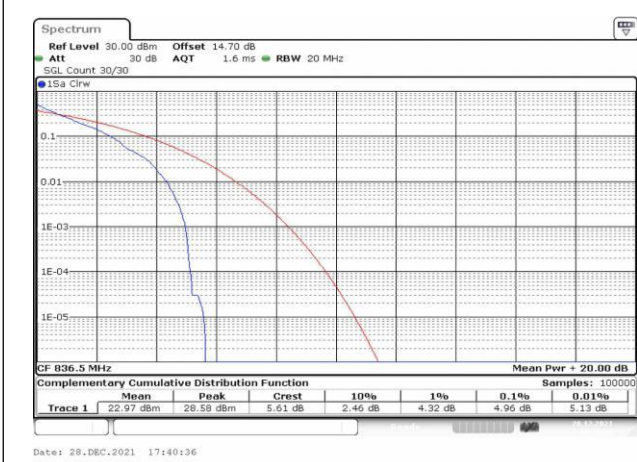


Fig.63

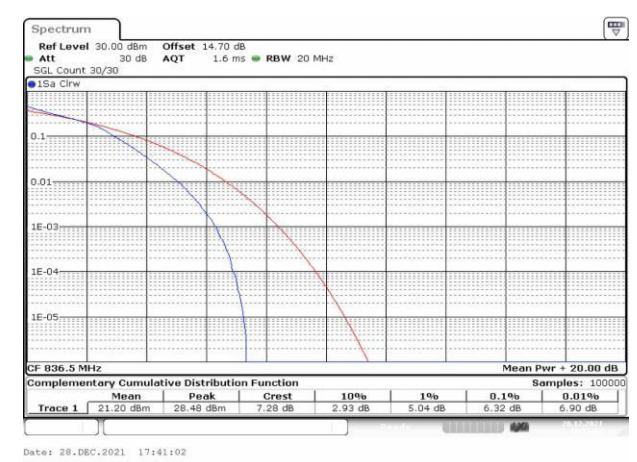


Fig.64

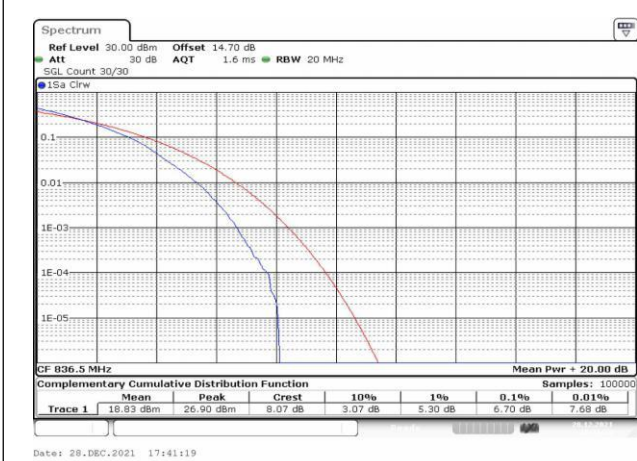


Fig.65

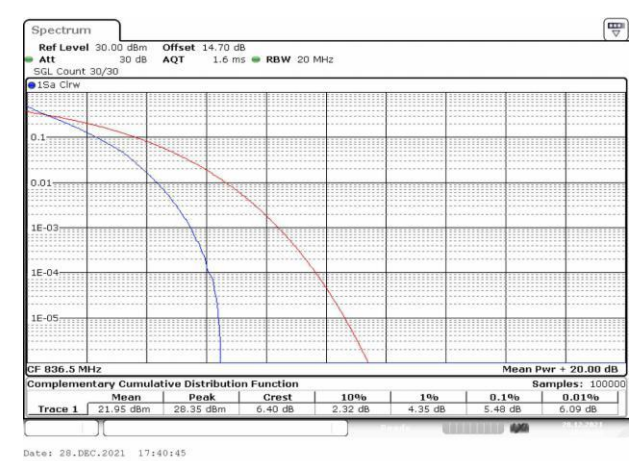


Fig.66

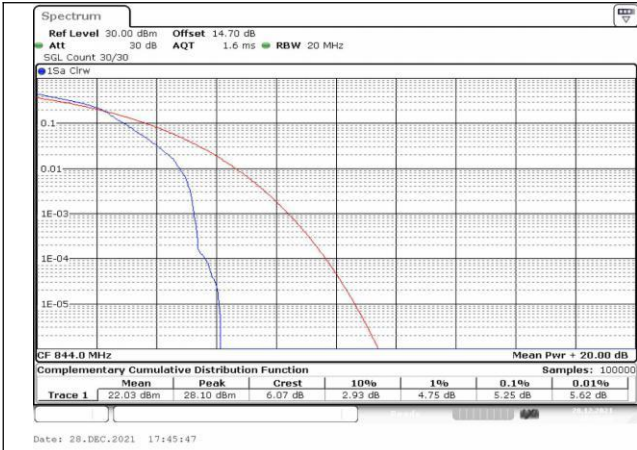


Fig.67

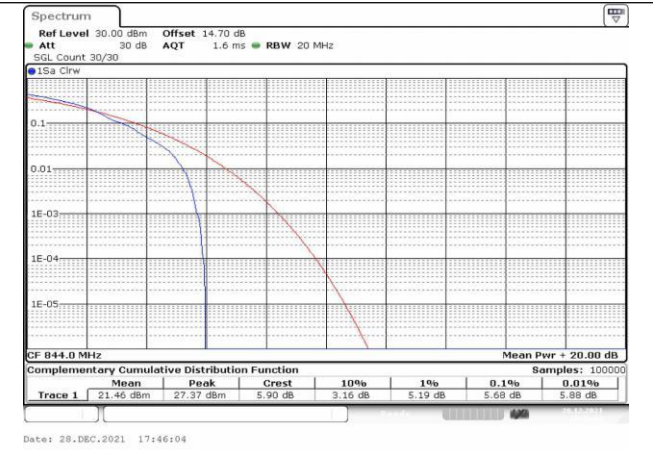


Fig.68

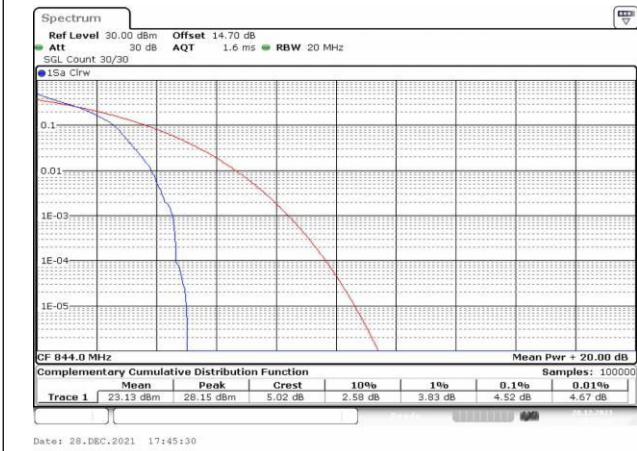


Fig.69

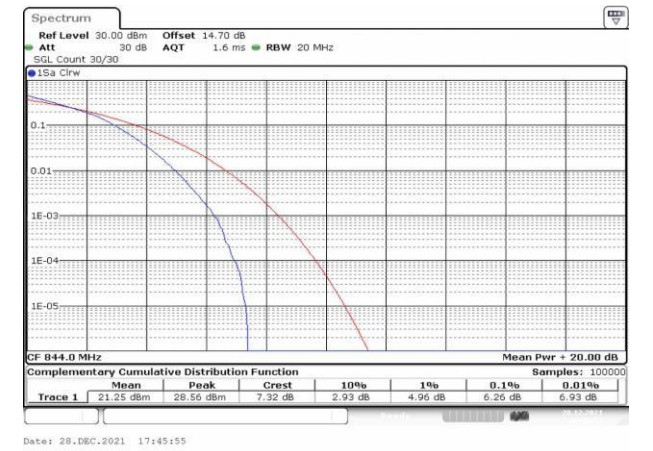


Fig.70

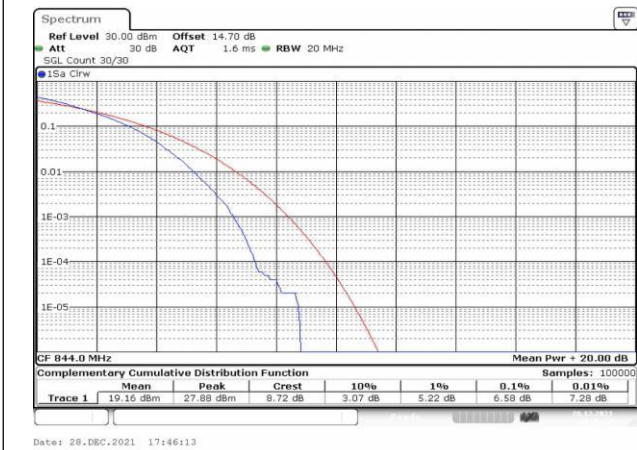


Fig.71

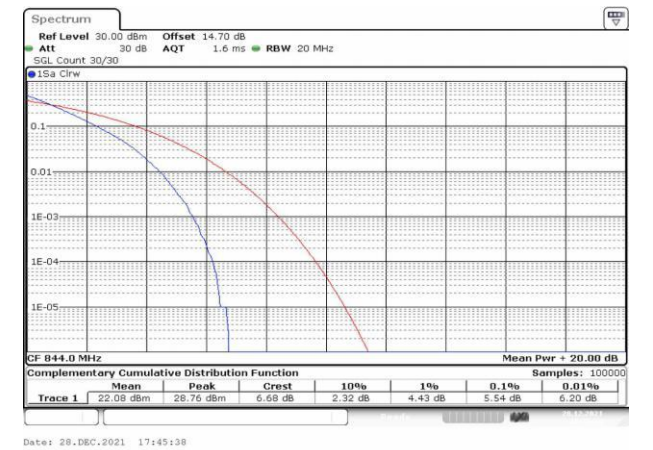


Fig.72

### 8 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
5	829	20450	10	1	0	Fig.1
5	836.5	20525	10	1	0	Fig.2
5	844	20600	10	1	0	Fig.3

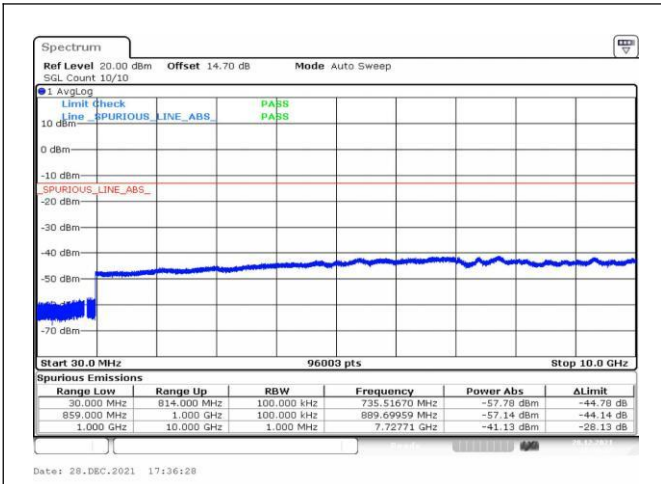


Fig.1

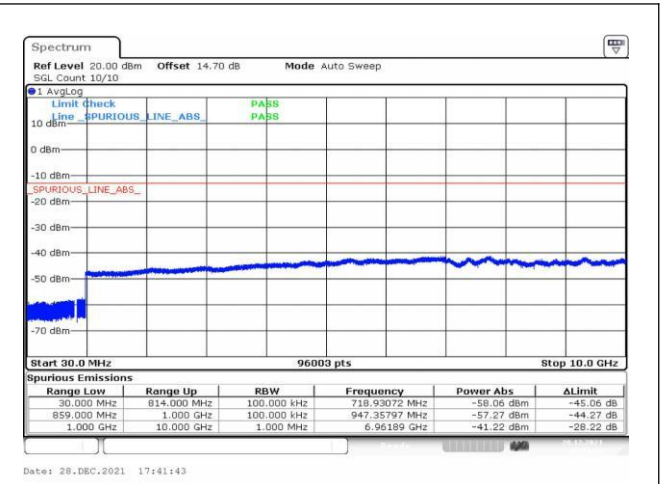


Fig.2

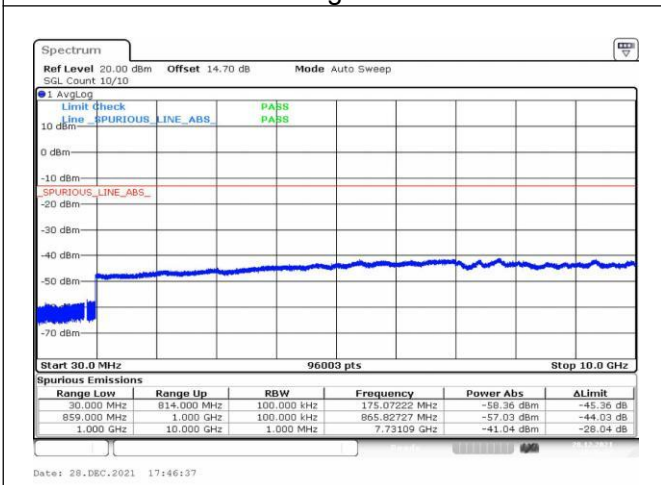


Fig.3



## 9 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
5	824.7	20407	1.4	6	0	Fig.2
5	848.3	20643	1.4	1	5	Fig.3
5	848.3	20643	1.4	6	0	Fig.4
5	825.5	20415	3	1	0	Fig.5
5	825.5	20415	3	15	0	Fig.6
5	847.5	20635	3	1	14	Fig.7
5	847.5	20635	3	15	0	Fig.8
5	826.5	20425	5	1	0	Fig.9
5	826.5	20425	5	25	0	Fig.10
5	846.5	20625	5	1	24	Fig.11
5	846.5	20625	5	25	0	Fig.12
5	829	20450	10	1	0	Fig.13
5	829	20450	10	50	0	Fig.14
5	844	20600	10	1	49	Fig.15
5	844	20600	10	50	0	Fig.16

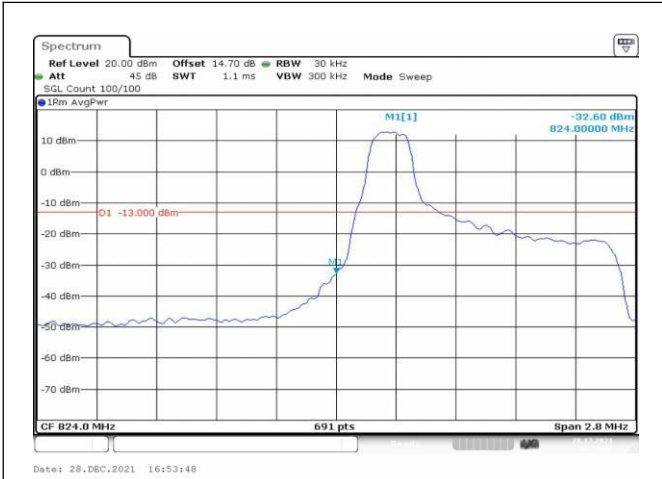


Fig.1

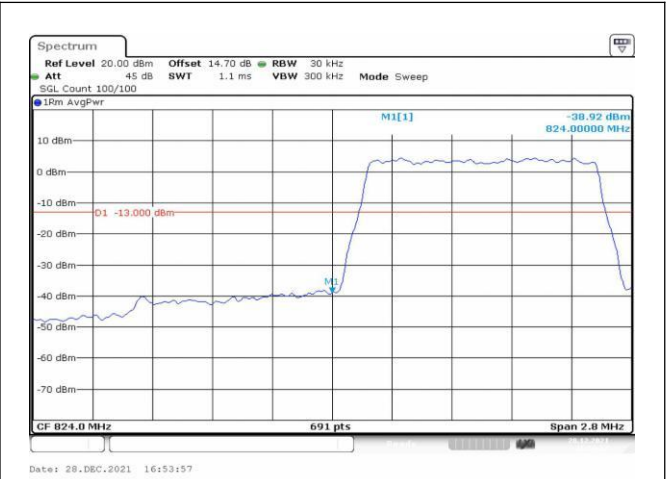


Fig.2

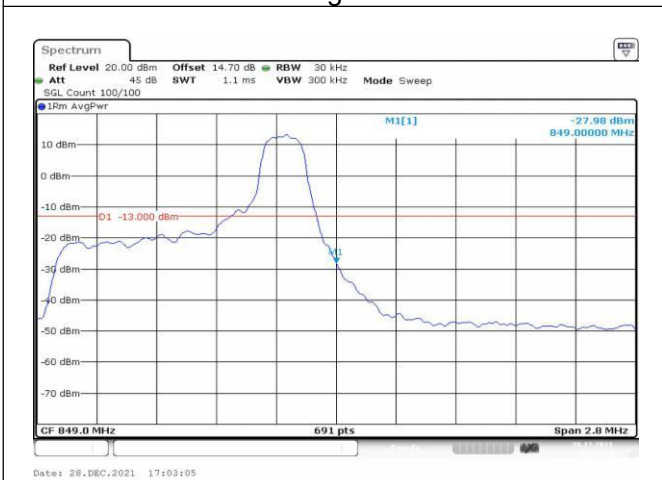


Fig.3

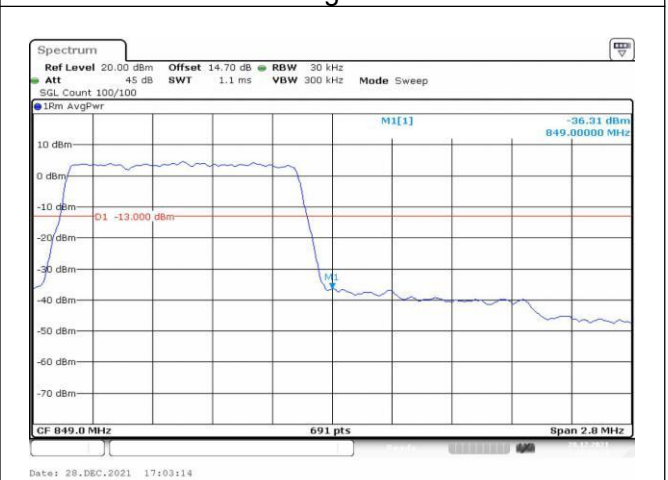


Fig.4

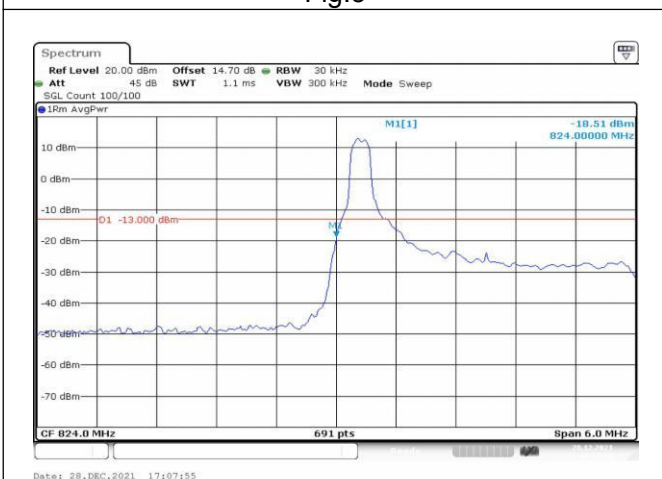


Fig.5

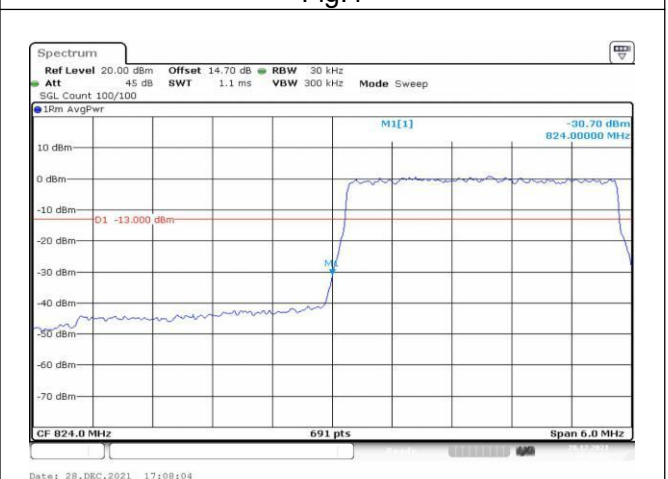


Fig.6

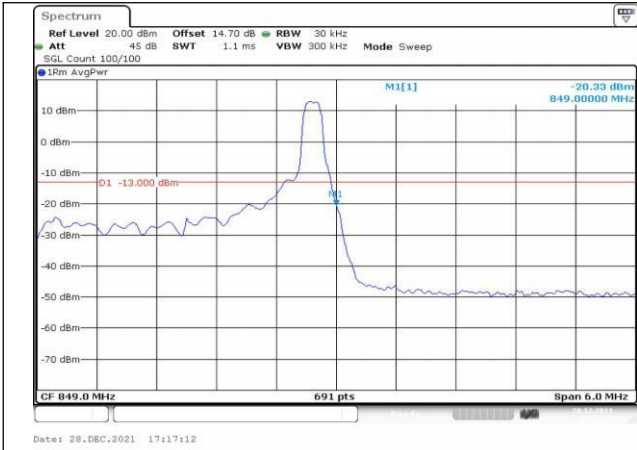


Fig.7

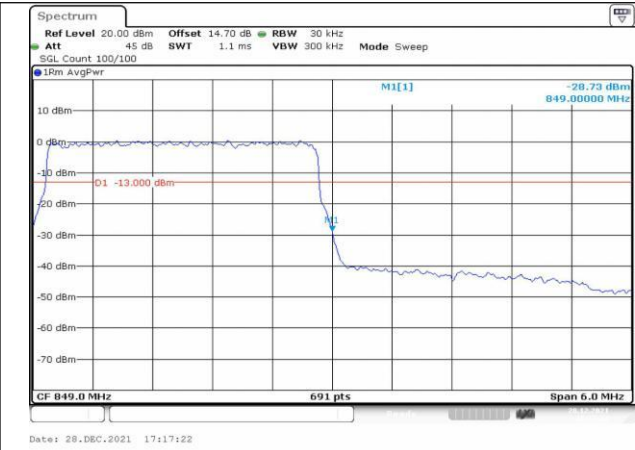


Fig.8

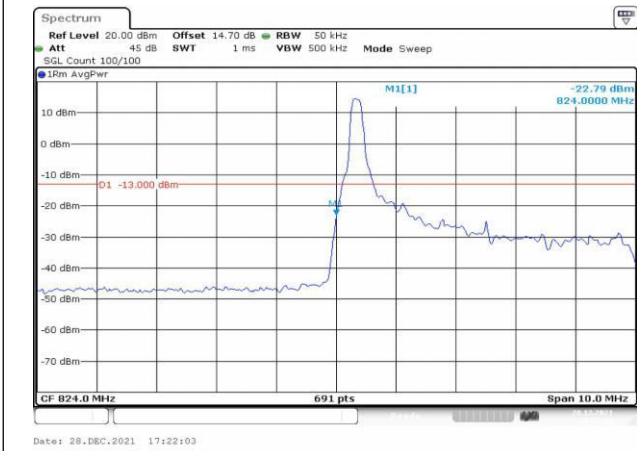


Fig.9

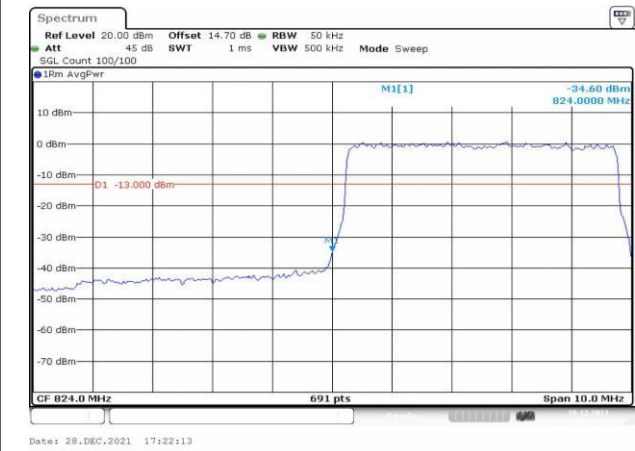


Fig.10

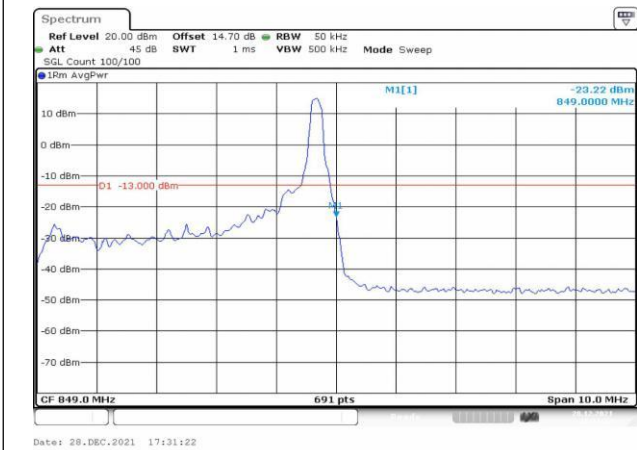


Fig.11



Fig.12

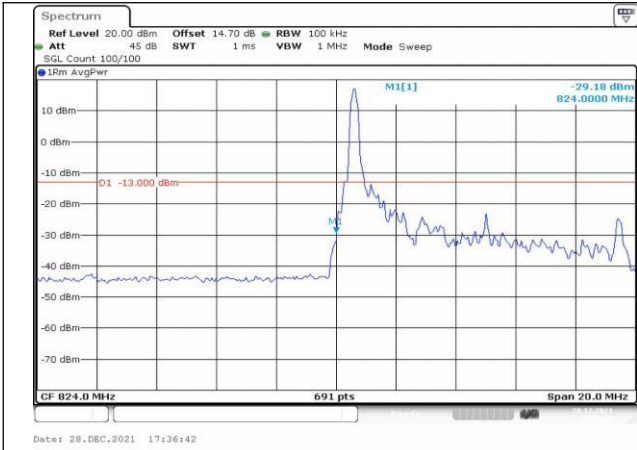


Fig.13

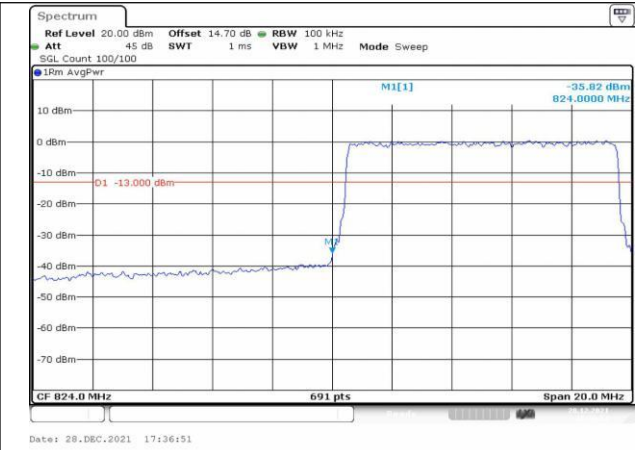


Fig.14

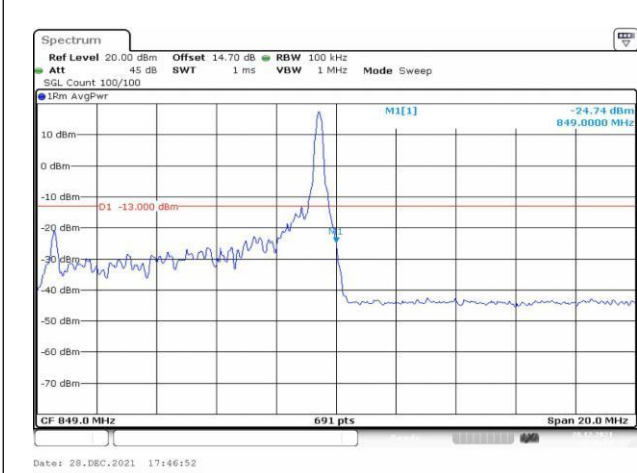


Fig.15

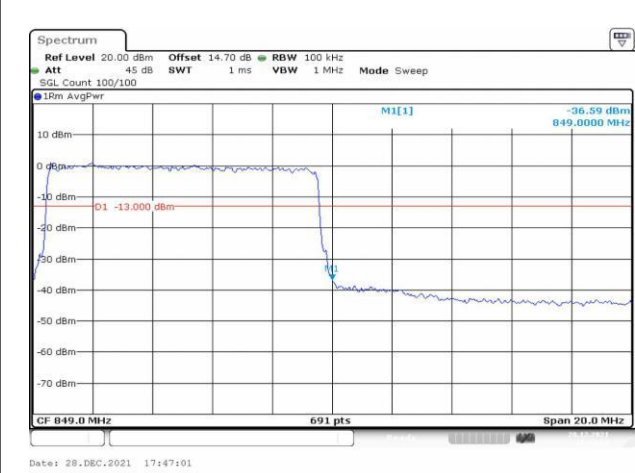


Fig.16

## 10 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 5 Low Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	-0.007	-0.012	0.001	-0.033
-10	NV	-0.007	0.025	-0.013	-0.019
0	NV	0.024	-0.006	0.008	-0.040
+10	NV	0.007	0.030	-0.009	-0.036
+30	NV	0.019	0.031	-0.002	0.010
+40	NV	0.010	0.008	-0.006	-0.028
+55	NV	0.012	-0.010	-0.014	-0.034
+20	LV	0.004	0.007	0.007	0.007
+20	HV	0.004	0.020	0.021	-0.022

Temperature(°C)	Voltage	Test Result (ppm) Band 5 High Channel QPSK			
		1.4M	3M	5M	10M
-20	NV	-0.002	-0.013	-0.024	-0.009
-10	NV	0.001	-0.010	-0.025	-0.031
0	NV	0.009	-0.006	-0.017	-0.030
+10	NV	-0.014	0.002	-0.015	-0.045
+30	NV	-0.024	-0.022	-0.004	-0.016
+40	NV	0.000	-0.043	0.027	-0.027
+55	NV	-0.018	-0.043	-0.023	-0.039
+20	LV	-0.002	-0.002	0.002	-0.030
+20	HV	-0.035	-0.007	-0.004	-0.042

### 11 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)
16QAM	824.7	20407	1.4	1	0	23.08	17.13	0.052
16QAM	824.7	20407	1.4	1	3	23.09	17.14	0.052
16QAM	824.7	20407	1.4	1	5	23.09	17.14	0.052
16QAM	824.7	20407	1.4	3	0	23.12	17.17	0.052
16QAM	824.7	20407	1.4	3	1	23.18	17.23	0.053
16QAM	824.7	20407	1.4	3	3	23.12	17.17	0.052
16QAM	824.7	20407	1.4	6	0	21.98	16.03	0.040
16QAM	836.5	20525	1.4	1	0	23.22	17.27	0.053
16QAM	836.5	20525	1.4	1	3	23.18	17.23	0.053
16QAM	836.5	20525	1.4	1	5	23.10	17.15	0.052
16QAM	836.5	20525	1.4	3	0	22.81	16.86	0.049
16QAM	836.5	20525	1.4	3	1	22.85	16.90	0.049
16QAM	836.5	20525	1.4	3	3	22.89	16.94	0.049
16QAM	836.5	20525	1.4	6	0	22.01	16.06	0.040
16QAM	848.3	20643	1.4	1	0	22.93	16.98	0.050
16QAM	848.3	20643	1.4	1	3	22.65	16.70	0.047
16QAM	848.3	20643	1.4	1	5	23.03	17.08	0.051
16QAM	848.3	20643	1.4	3	0	22.45	16.50	0.045
16QAM	848.3	20643	1.4	3	1	22.51	16.56	0.045
16QAM	848.3	20643	1.4	3	3	22.44	16.49	0.045
16QAM	848.3	20643	1.4	6	0	21.89	15.94	0.039
64QAM	824.7	20407	1.4	1	0	21.97	16.02	0.040
64QAM	824.7	20407	1.4	1	3	21.93	15.98	0.040
64QAM	824.7	20407	1.4	1	5	21.96	16.01	0.040
64QAM	824.7	20407	1.4	3	0	22.02	16.07	0.040
64QAM	824.7	20407	1.4	3	1	22.00	16.05	0.040
64QAM	824.7	20407	1.4	3	3	22.08	16.13	0.041
64QAM	824.7	20407	1.4	6	0	19.38	13.43	0.022
64QAM	836.5	20525	1.4	1	0	21.40	15.45	0.035
64QAM	836.5	20525	1.4	1	3	21.52	15.57	0.036
64QAM	836.5	20525	1.4	1	5	21.44	15.49	0.035
64QAM	836.5	20525	1.4	3	0	21.49	15.54	0.036
64QAM	836.5	20525	1.4	3	1	21.48	15.53	0.036
64QAM	836.5	20525	1.4	3	3	21.53	15.58	0.036
64QAM	836.5	20525	1.4	6	0	19.56	13.61	0.023
64QAM	848.3	20643	1.4	1	0	22.31	16.36	0.043
64QAM	848.3	20643	1.4	1	3	22.41	16.46	0.044
64QAM	848.3	20643	1.4	1	5	22.41	16.46	0.044
64QAM	848.3	20643	1.4	3	0	22.39	16.44	0.044
64QAM	848.3	20643	1.4	3	1	22.42	16.47	0.044
64QAM	848.3	20643	1.4	3	3	22.32	16.37	0.043

64QAM	848.3	20643	1.4	6	0	18.68	12.73	0.019
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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	824.7	20407	1.4	1	0	23.79	17.84	0.061
QPSK	824.7	20407	1.4	1	3	23.71	17.76	0.060
QPSK	824.7	20407	1.4	1	5	23.74	17.79	0.060
QPSK	824.7	20407	1.4	3	0	23.73	17.78	0.060
QPSK	824.7	20407	1.4	3	1	23.76	17.81	0.060
QPSK	824.7	20407	1.4	3	3	23.77	17.82	0.061
QPSK	824.7	20407	1.4	6	0	22.86	16.91	0.049
QPSK	836.5	20525	1.4	1	0	23.73	17.78	0.060
QPSK	836.5	20525	1.4	1	3	23.70	17.75	0.060
QPSK	836.5	20525	1.4	1	5	23.71	17.76	0.060
QPSK	836.5	20525	1.4	3	0	23.67	17.72	0.059
QPSK	836.5	20525	1.4	3	1	23.70	17.75	0.060
QPSK	836.5	20525	1.4	3	3	23.59	17.64	0.058
QPSK	836.5	20525	1.4	6	0	22.65	16.70	0.047
QPSK	848.3	20643	1.4	1	0	24.04	18.09	0.064
QPSK	848.3	20643	1.4	1	3	23.76	17.81	0.060
QPSK	848.3	20643	1.4	1	5	23.68	17.73	0.059
QPSK	848.3	20643	1.4	3	0	23.69	17.74	0.059
QPSK	848.3	20643	1.4	3	1	23.73	17.78	0.060
QPSK	848.3	20643	1.4	3	3	23.74	17.79	0.060
QPSK	848.3	20643	1.4	6	0	22.75	16.80	0.048

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	825.5	20415	3	1	0	23.77	17.82	0.061
16QAM	825.5	20415	3	1	8	23.89	17.94	0.062
16QAM	825.5	20415	3	1	14	23.77	17.82	0.061
16QAM	825.5	20415	3	8	0	22.28	16.33	0.043
16QAM	825.5	20415	3	8	4	22.32	16.37	0.043
16QAM	825.5	20415	3	8	7	21.98	16.03	0.040
16QAM	825.5	20415	3	15	0	22.15	16.20	0.042
16QAM	836.5	20525	3	1	0	23.18	17.23	0.053
16QAM	836.5	20525	3	1	8	23.25	17.30	0.054
16QAM	836.5	20525	3	1	14	23.25	17.30	0.054
16QAM	836.5	20525	3	8	0	21.79	15.84	0.038
16QAM	836.5	20525	3	8	4	21.91	15.96	0.039
16QAM	836.5	20525	3	8	7	21.80	15.85	0.038
16QAM	836.5	20525	3	15	0	21.80	15.85	0.038
16QAM	847.5	20635	3	1	0	22.51	16.56	0.045
16QAM	847.5	20635	3	1	8	22.58	16.63	0.046
16QAM	847.5	20635	3	1	14	22.63	16.68	0.047
16QAM	847.5	20635	3	8	0	21.79	15.84	0.038
16QAM	847.5	20635	3	8	4	21.91	15.96	0.039
16QAM	847.5	20635	3	8	7	21.99	16.04	0.040
16QAM	847.5	20635	3	15	0	21.94	15.99	0.040
64QAM	825.5	20415	3	1	0	22.49	16.54	0.045
64QAM	825.5	20415	3	1	8	22.57	16.62	0.046
64QAM	825.5	20415	3	1	14	22.44	16.49	0.045
64QAM	825.5	20415	3	8	0	19.45	13.50	0.022
64QAM	825.5	20415	3	8	4	19.46	13.51	0.022
64QAM	825.5	20415	3	8	7	19.42	13.47	0.022
64QAM	825.5	20415	3	15	0	19.35	13.40	0.022
64QAM	836.5	20525	3	1	0	21.49	15.54	0.036
64QAM	836.5	20525	3	1	8	21.56	15.61	0.036
64QAM	836.5	20525	3	1	14	21.55	15.60	0.036
64QAM	836.5	20525	3	8	0	19.38	13.43	0.022
64QAM	836.5	20525	3	8	4	19.34	13.39	0.022
64QAM	836.5	20525	3	8	7	19.24	13.29	0.021
64QAM	836.5	20525	3	15	0	19.35	13.40	0.022
64QAM	847.5	20635	3	1	0	22.39	16.44	0.044
64QAM	847.5	20635	3	1	8	22.39	16.44	0.044
64QAM	847.5	20635	3	1	14	22.41	16.46	0.044
64QAM	847.5	20635	3	8	0	19.03	13.08	0.020
64QAM	847.5	20635	3	8	4	18.87	12.92	0.020
64QAM	847.5	20635	3	8	7	18.63	12.68	0.019
64QAM	847.5	20635	3	15	0	18.87	12.92	0.020