

Fig.25

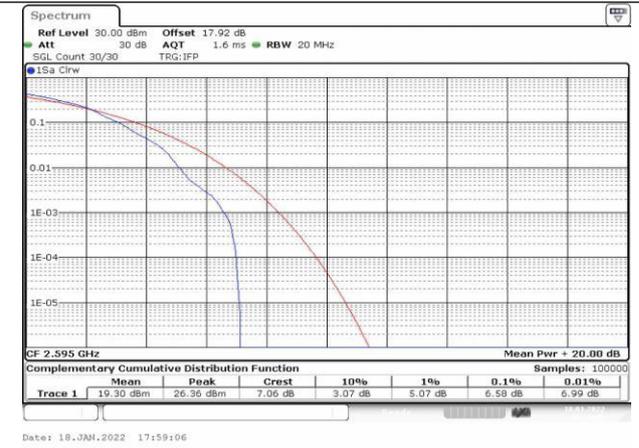


Fig.26

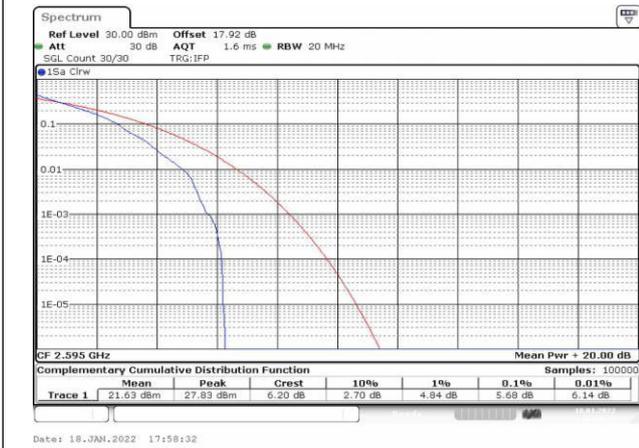


Fig.27

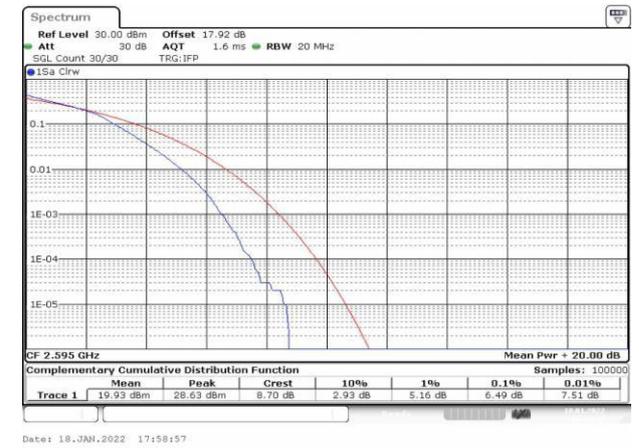


Fig.28

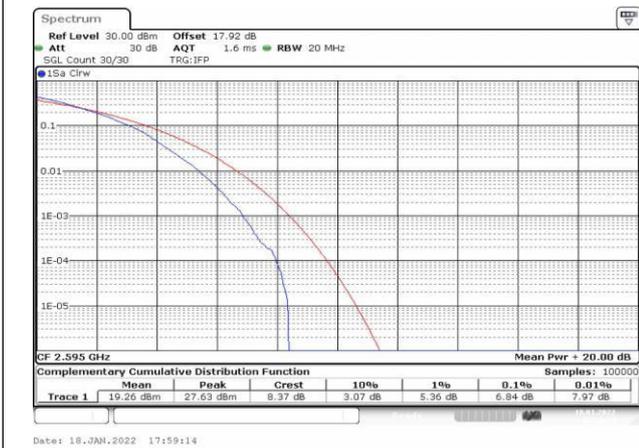


Fig.29

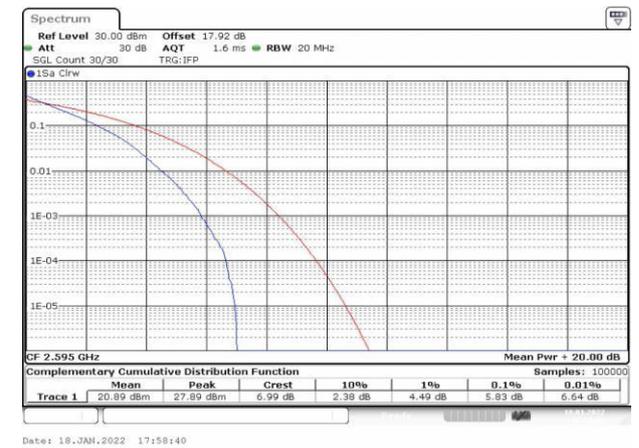


Fig.30

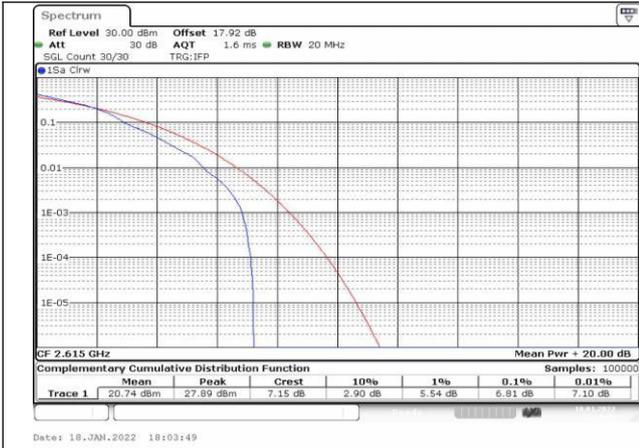


Fig.31

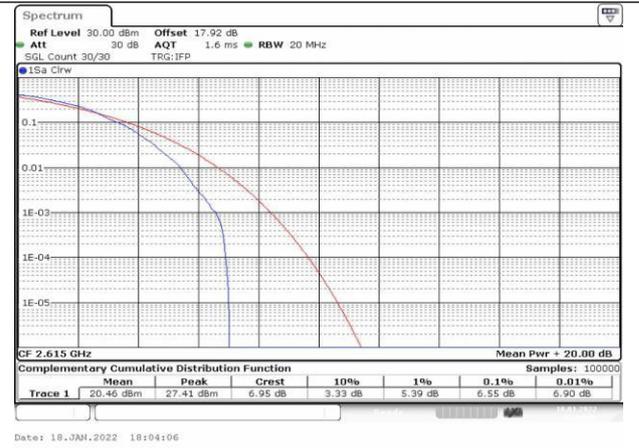


Fig.32

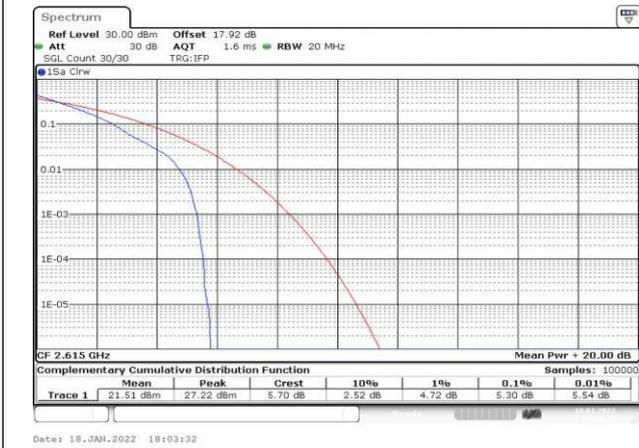


Fig.33

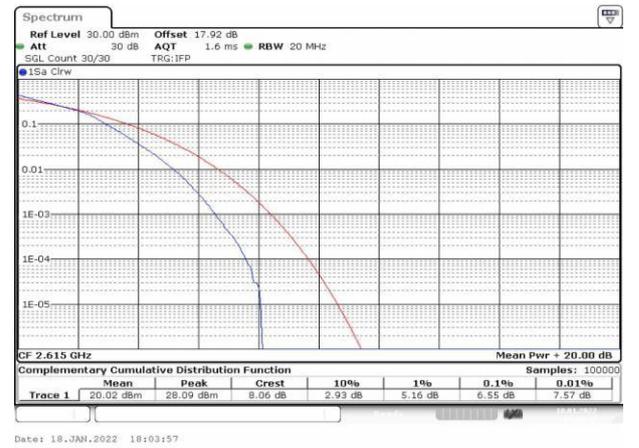


Fig.34

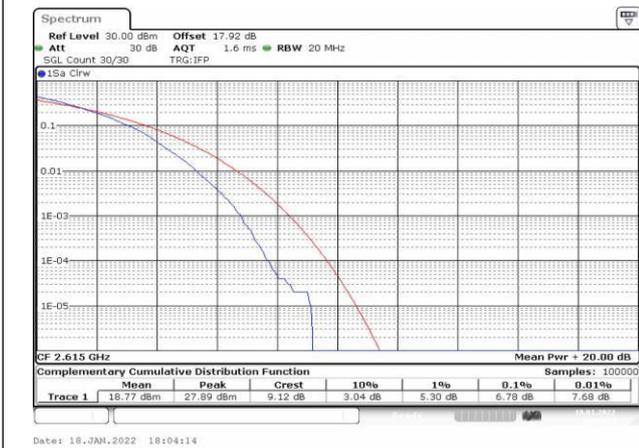


Fig.35

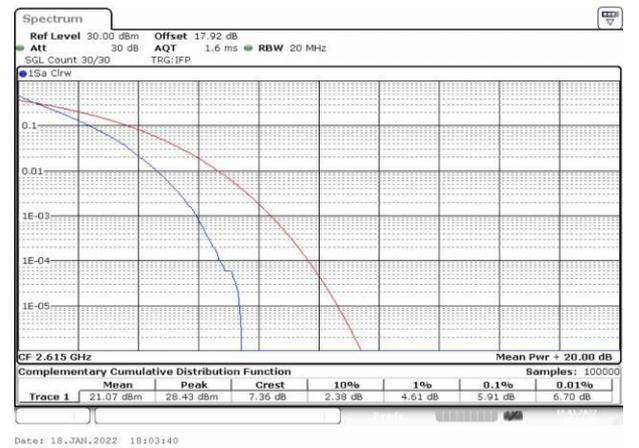


Fig.36

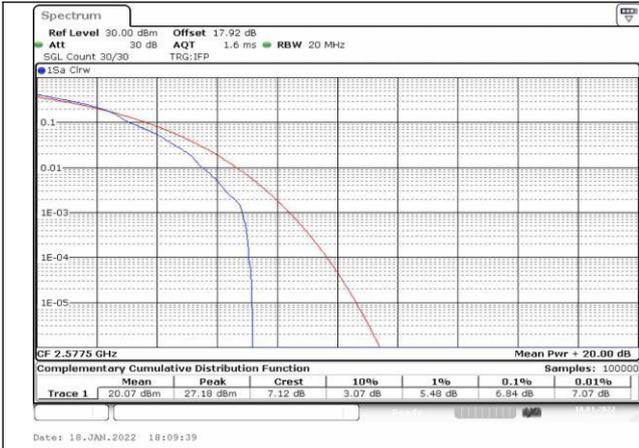


Fig.37

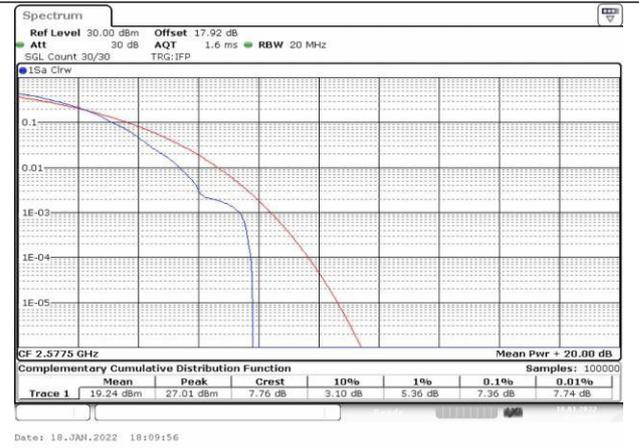


Fig.38

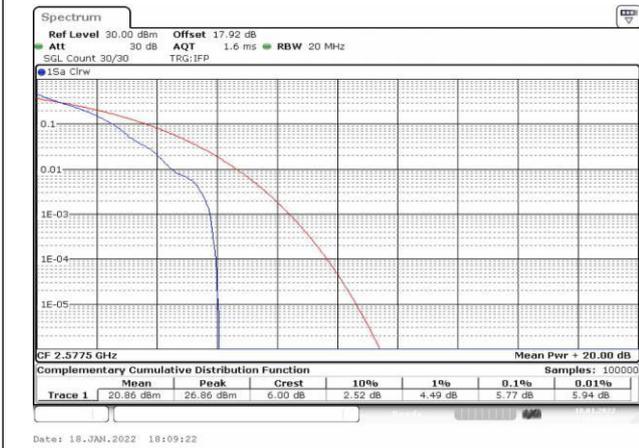


Fig.39

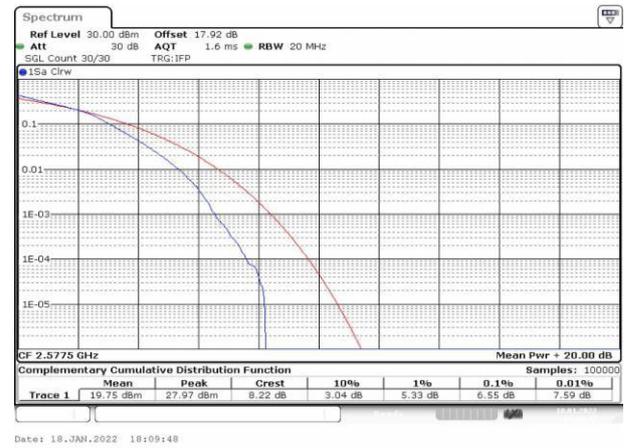


Fig.40

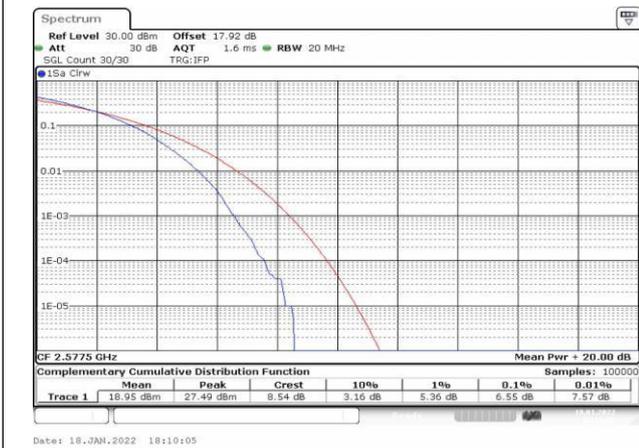


Fig.41

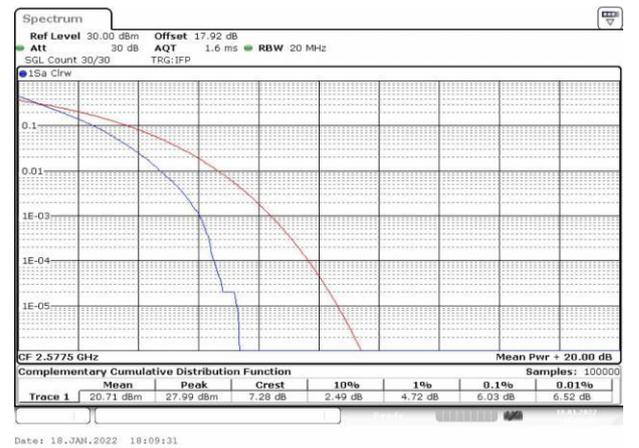


Fig.42



Fig.43

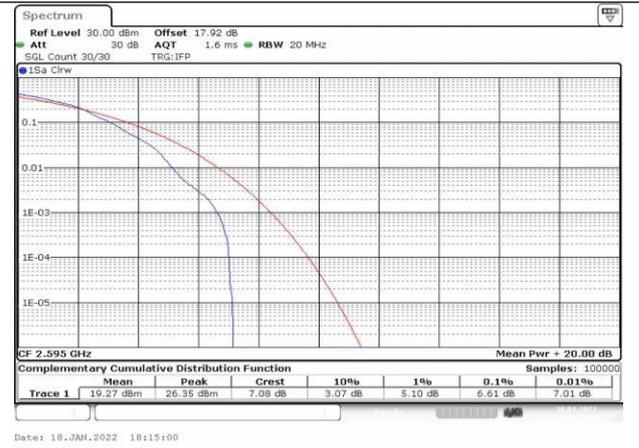


Fig.44

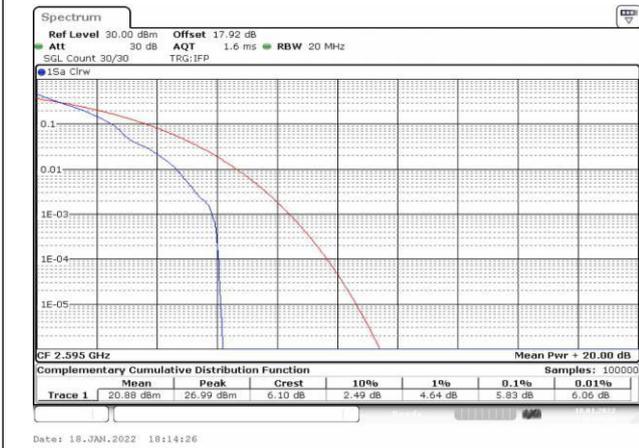


Fig.45

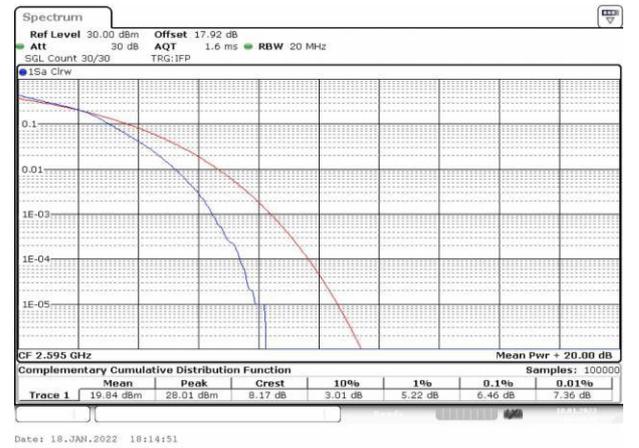


Fig.46

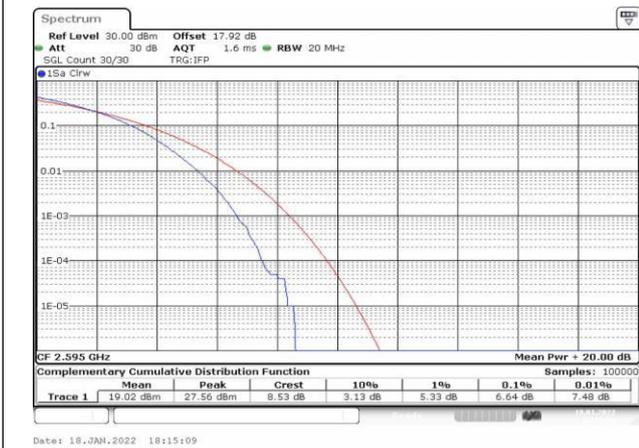


Fig.47

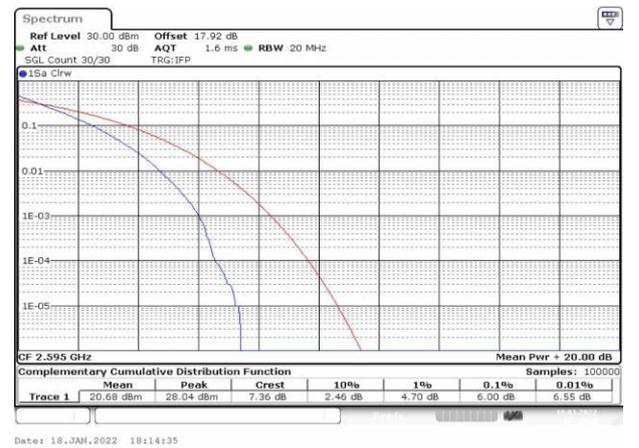


Fig.48

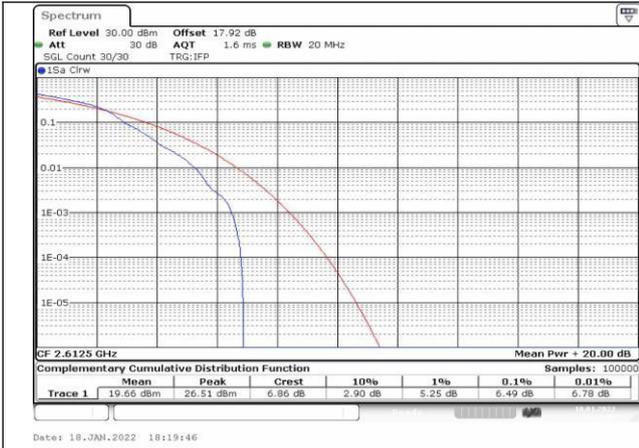


Fig.49

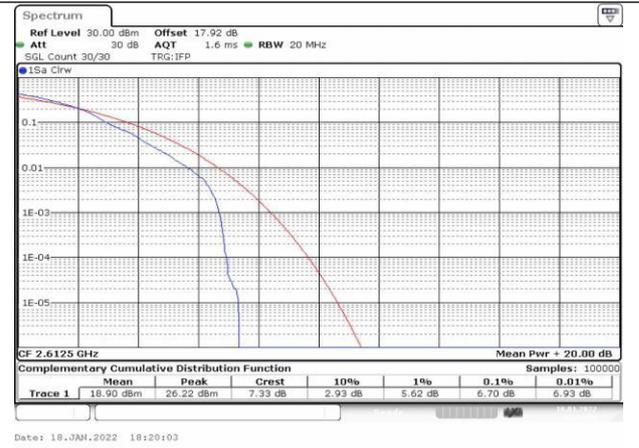


Fig.50

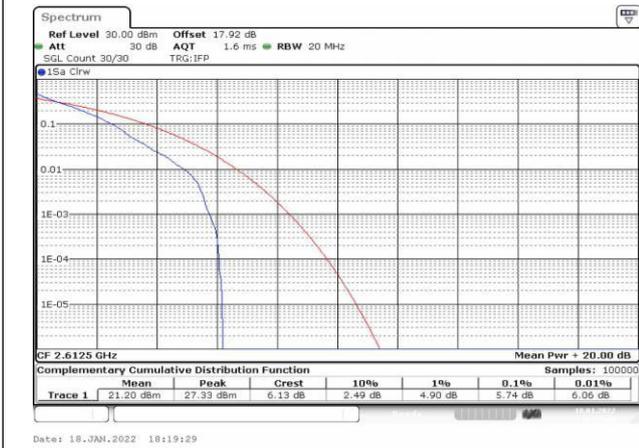


Fig.51

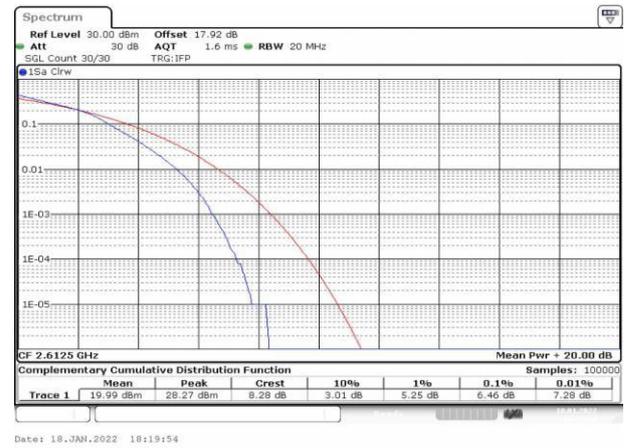


Fig.52

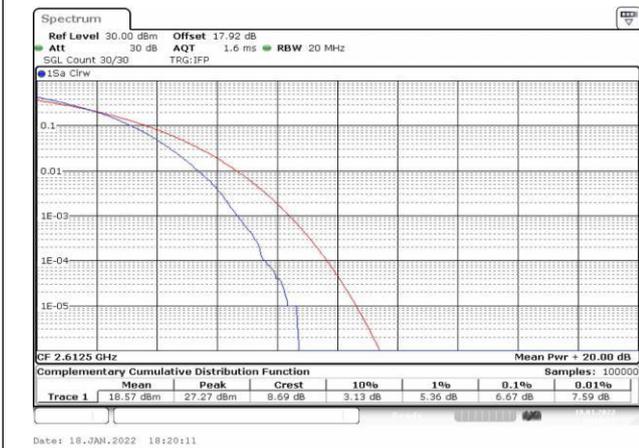


Fig.53

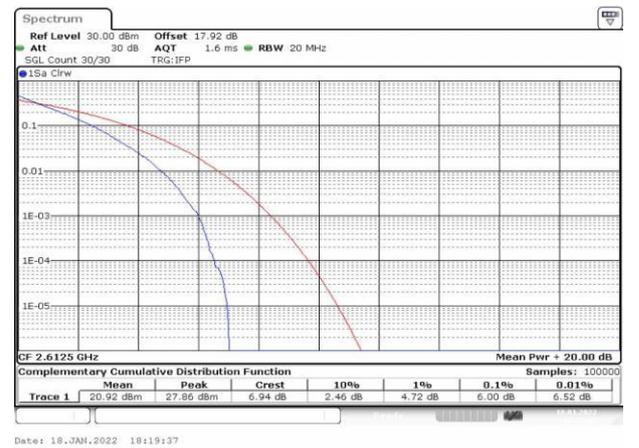


Fig.54

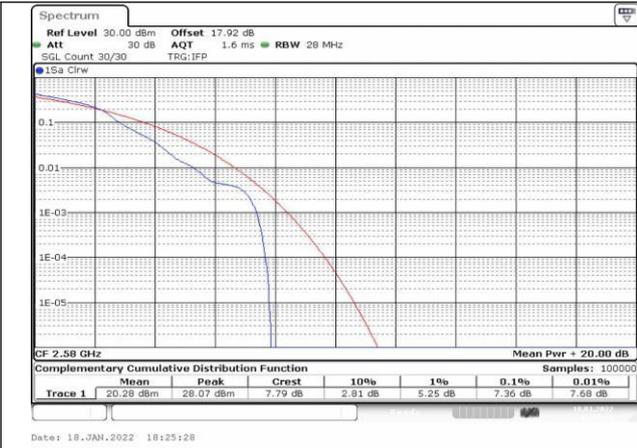


Fig.55

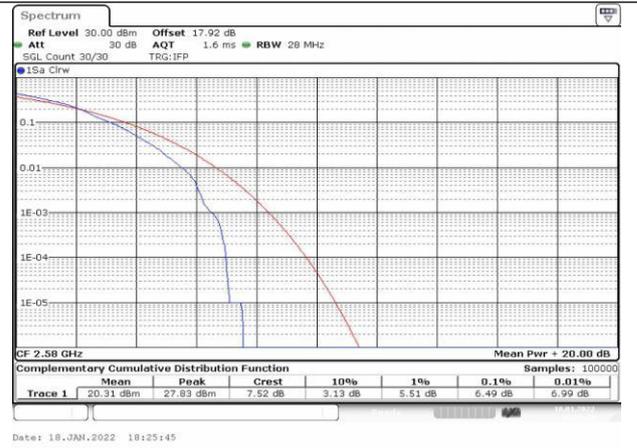


Fig.56

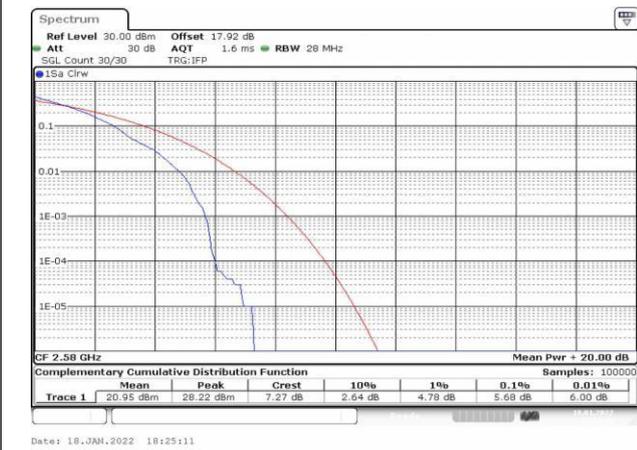


Fig.57

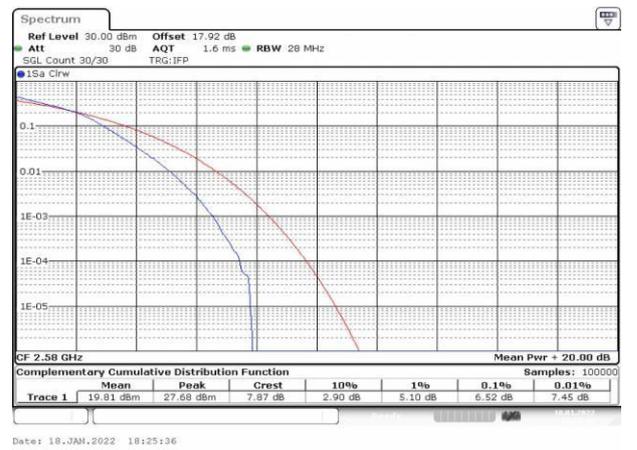


Fig.58

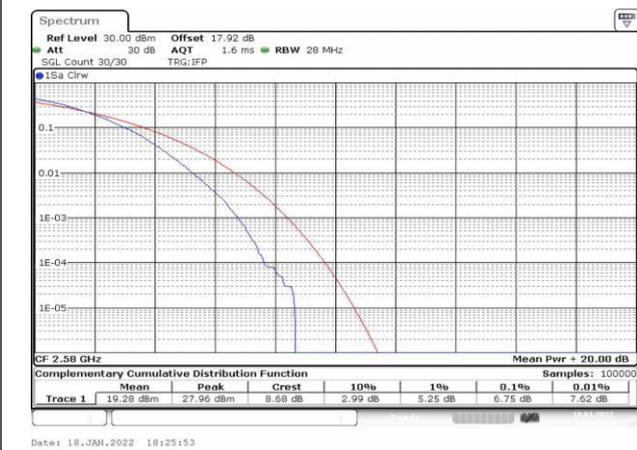


Fig.59

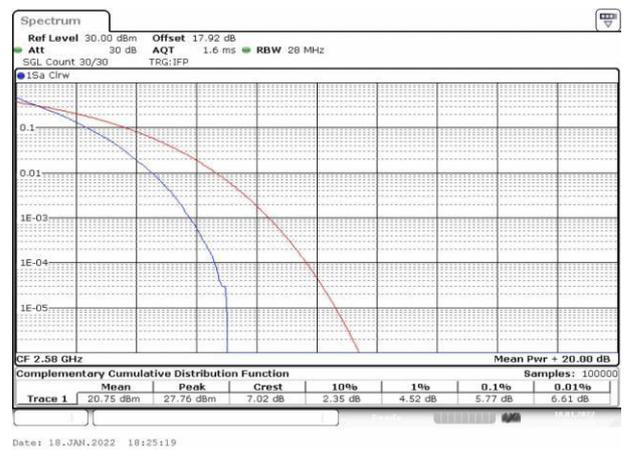


Fig.60

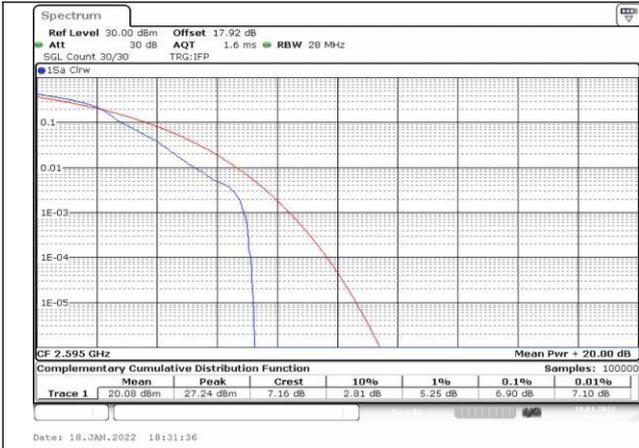


Fig.61

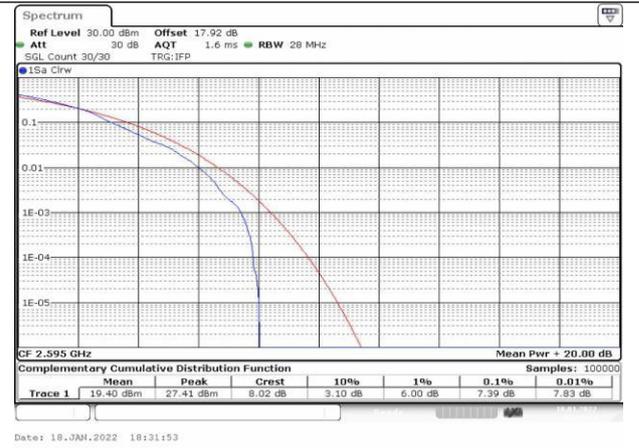


Fig.62

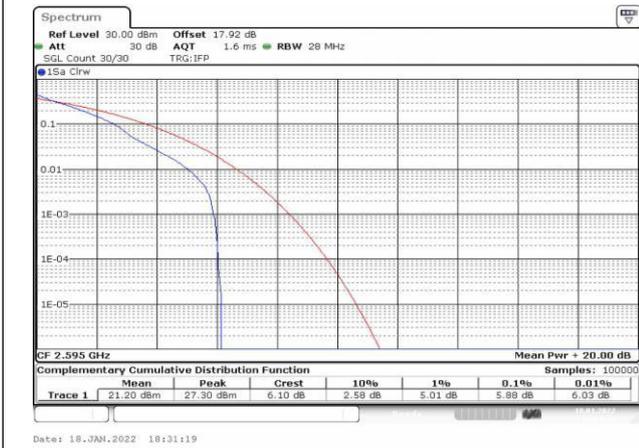


Fig.63

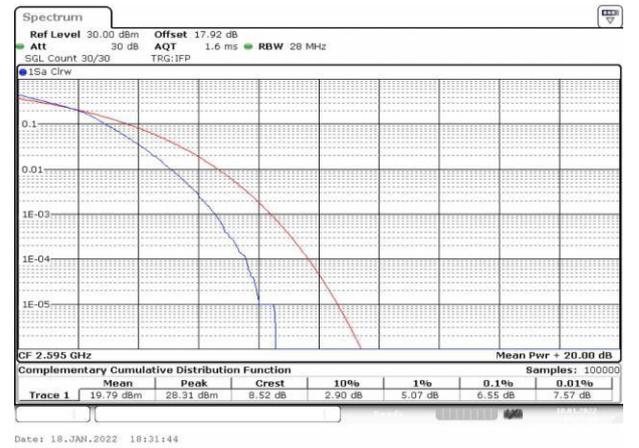


Fig.64

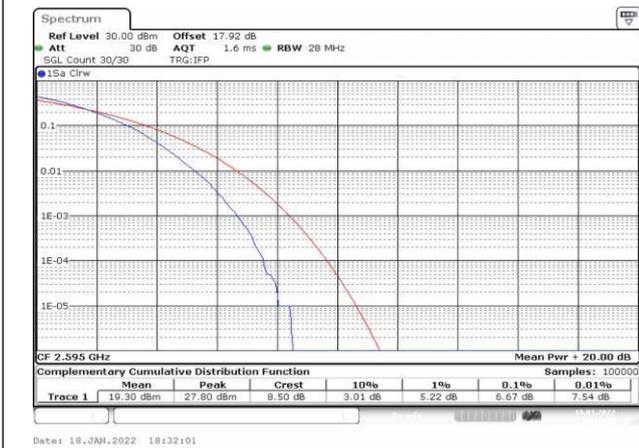


Fig.65

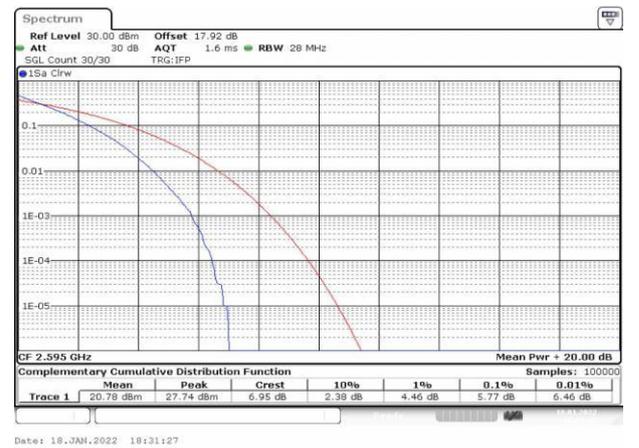


Fig.66

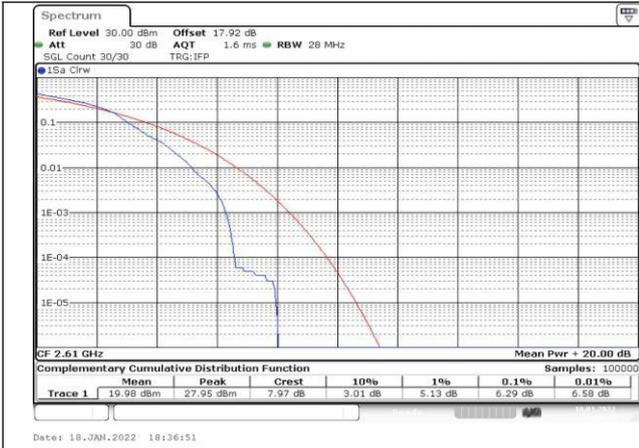


Fig.67

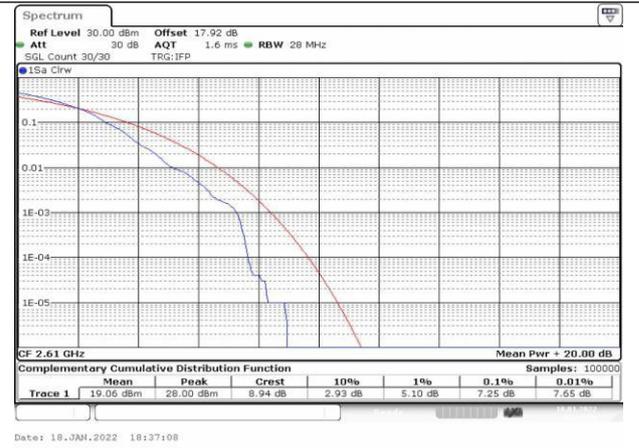


Fig.68

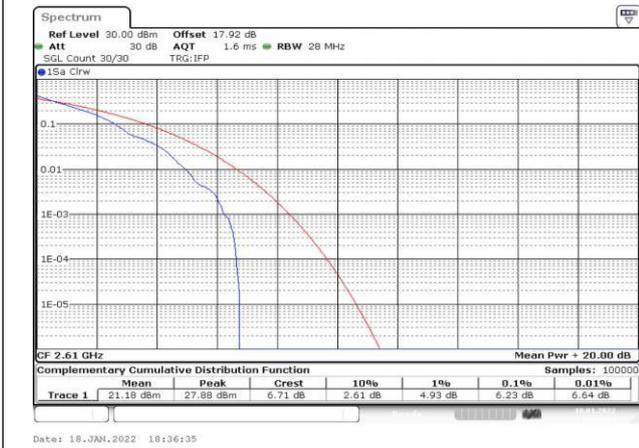


Fig.69

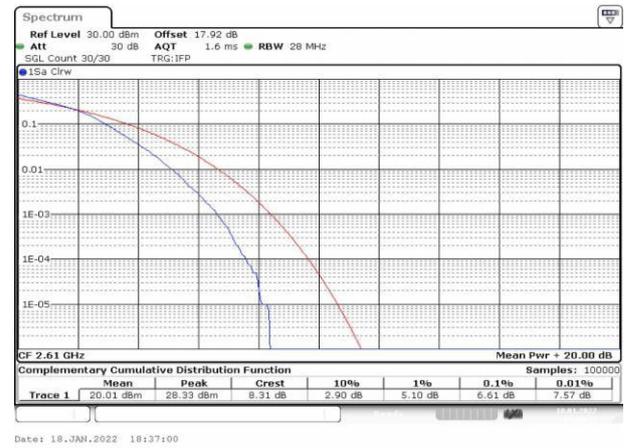


Fig.70

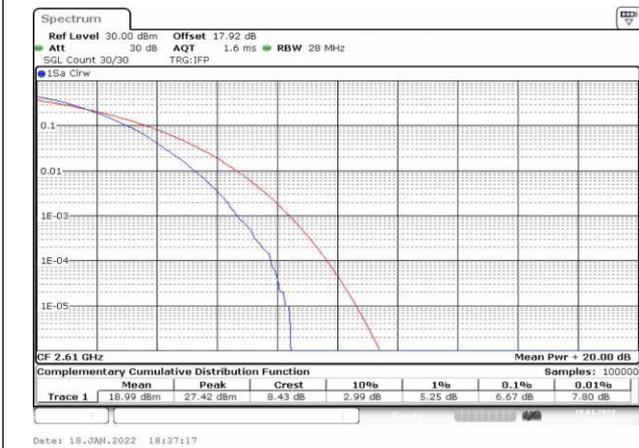


Fig.71

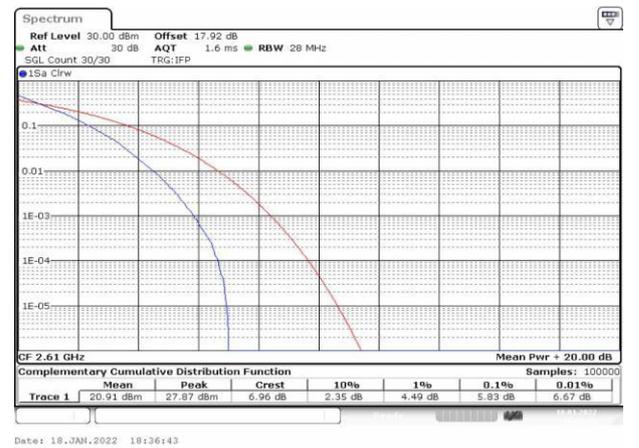


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
38	2580	37850	20	1	0	Fig.1
38	2595	38000	20	1	0	Fig.2
38	2610	38150	20	1	0	Fig.3

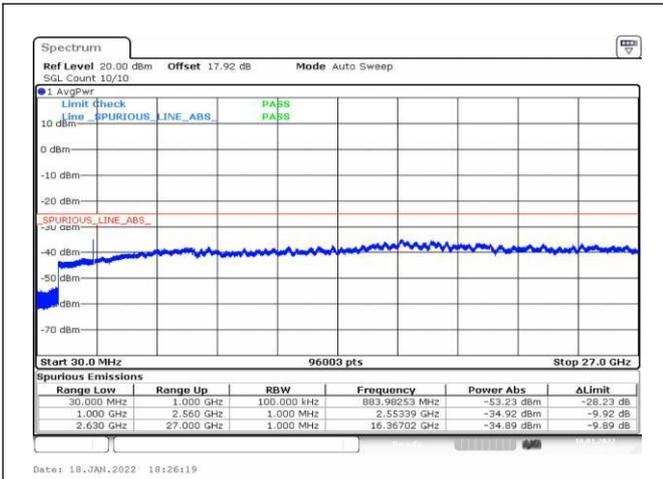


Fig.1

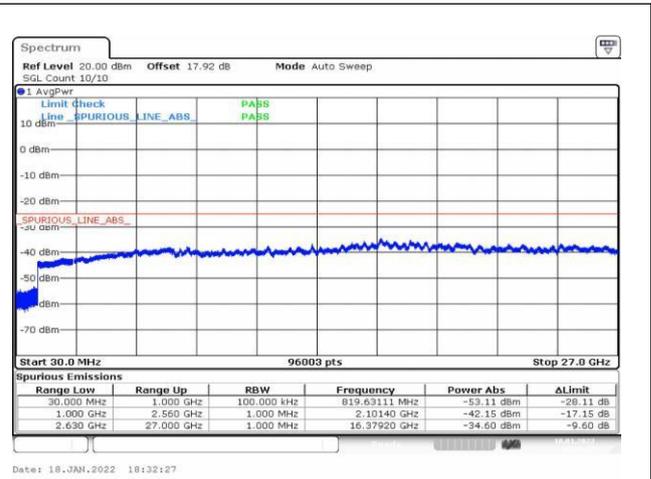


Fig.2

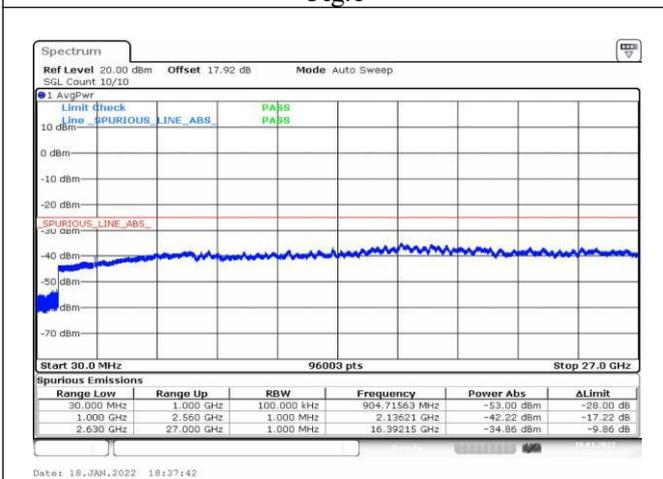


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
38	QPSK	2572.5	37775	5	1	0	Fig.1
38	QPSK	2572.5	37775	5	25	0	Fig.2
38	QPSK	2617.5	38225	5	1	24	Fig.3
38	QPSK	2617.5	38225	5	25	0	Fig.4
38	QPSK	2575	37800	10	1	0	Fig.5
38	QPSK	2575	37800	10	50	0	Fig.6
38	QPSK	2615	38200	10	1	49	Fig.7
38	QPSK	2615	38200	10	50	0	Fig.8
38	QPSK	2577.5	37825	15	1	0	Fig.9
38	QPSK	2577.5	37825	15	75	0	Fig.10
38	QPSK	2612.5	38175	15	1	74	Fig.11
38	QPSK	2612.5	38175	15	75	0	Fig.12
38	QPSK	2580	37850	20	1	0	Fig.13
38	QPSK	2580	37850	20	100	0	Fig.14
38	QPSK	2610	38150	20	1	99	Fig.15
38	QPSK	2610	38150	20	100	0	Fig.16

Test Mode: QPSK

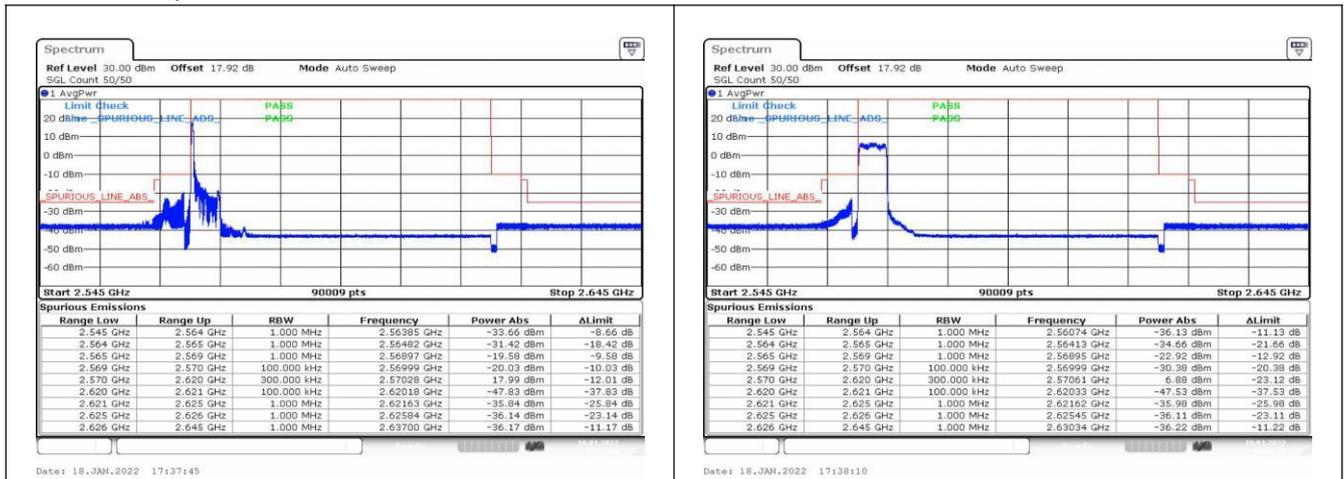


Fig.1

Fig.2

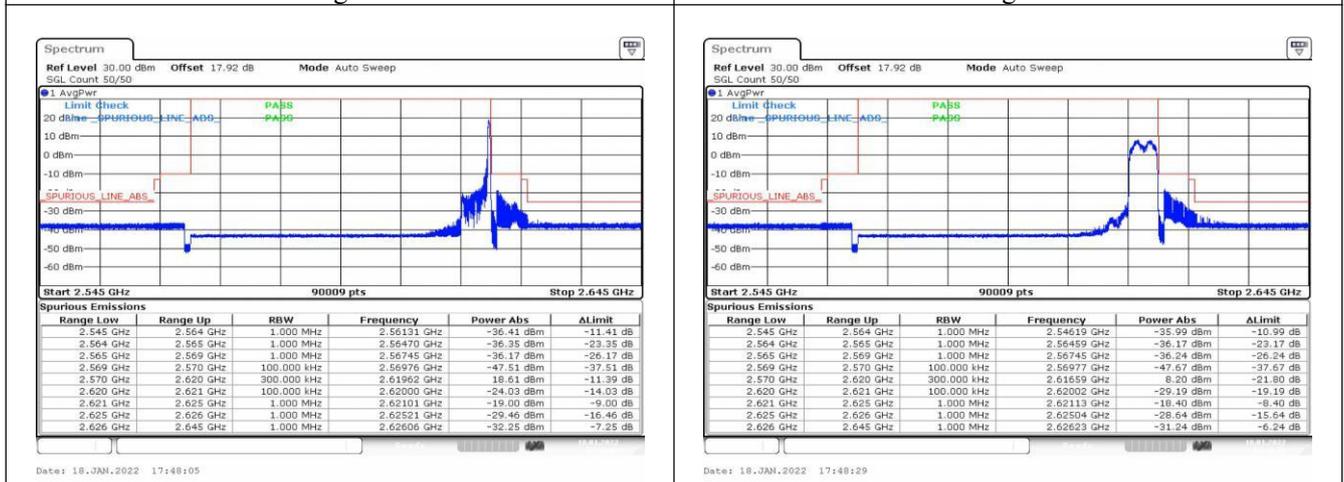


Fig.3

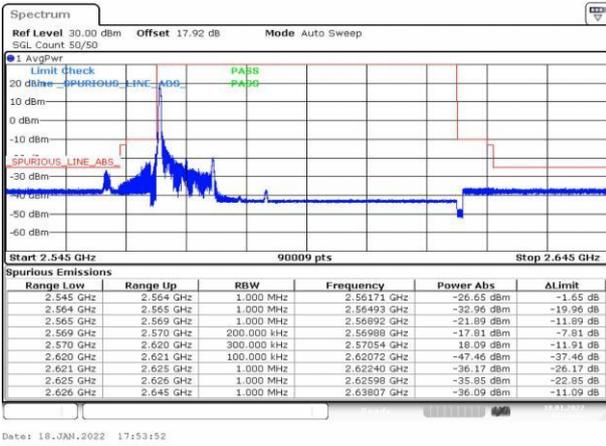


Fig.4

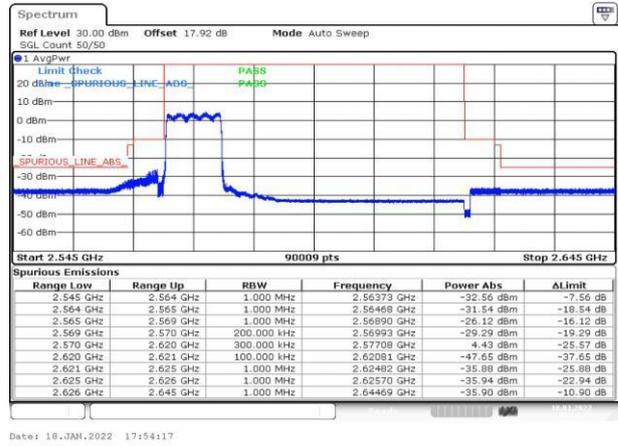


Fig.5

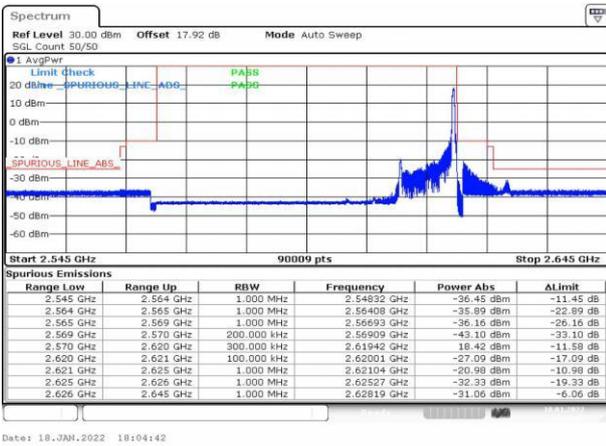


Fig.6

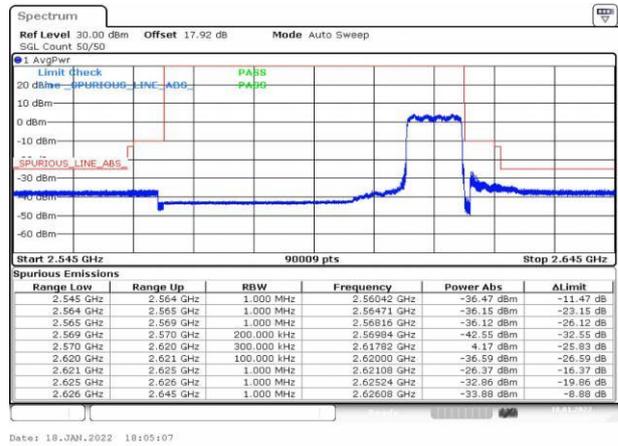


Fig.7

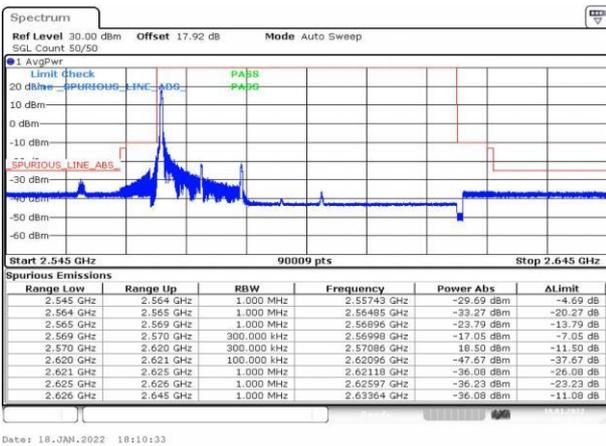


Fig.8

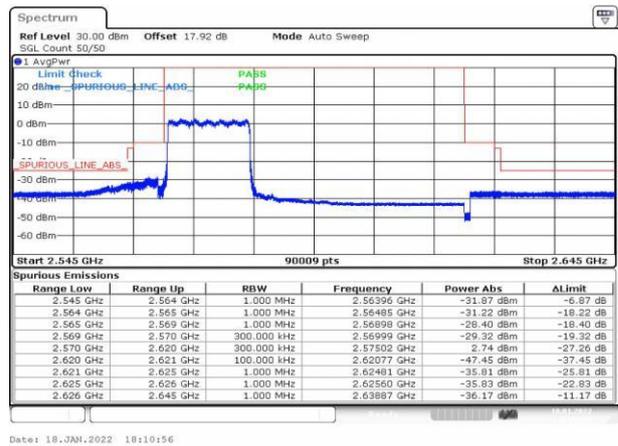


Fig.9

Fig.10

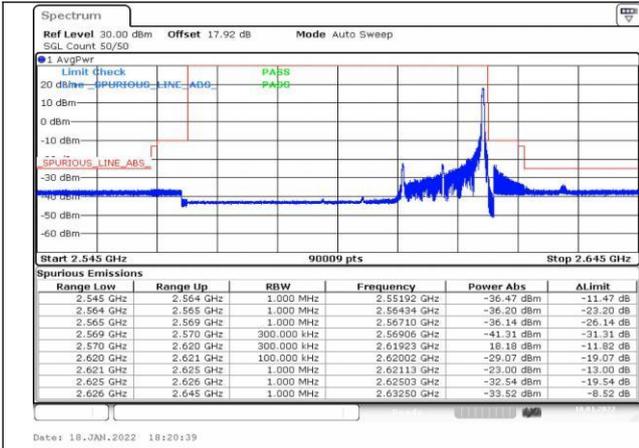


Fig.11

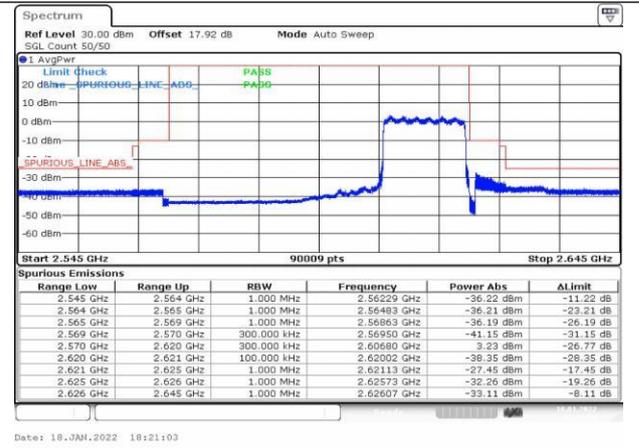


Fig.12

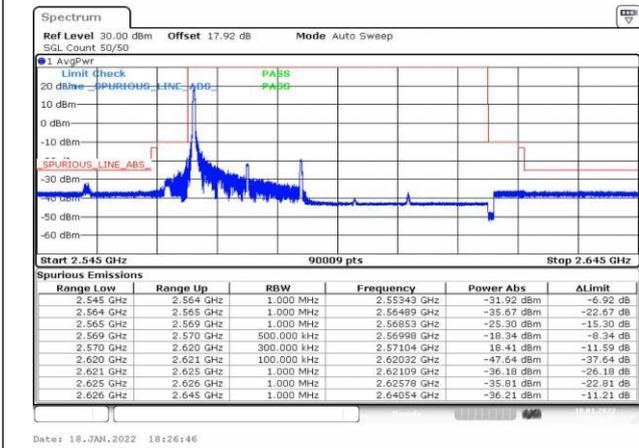


Fig.13

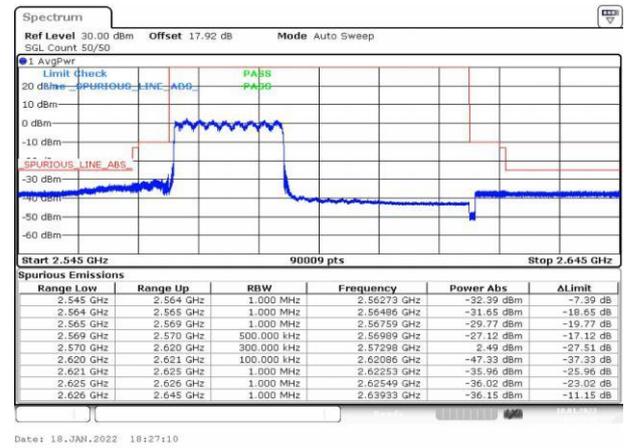


Fig.14

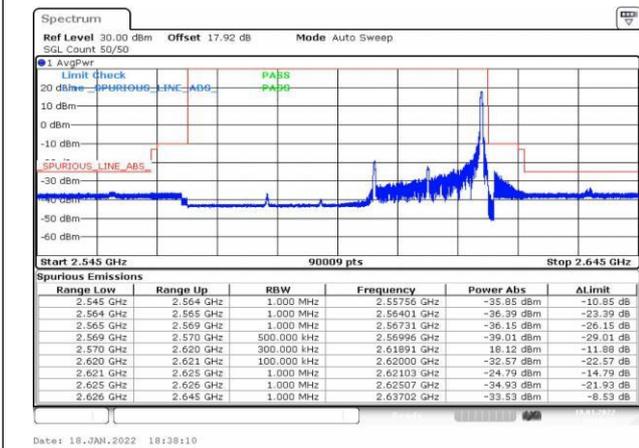


Fig.15

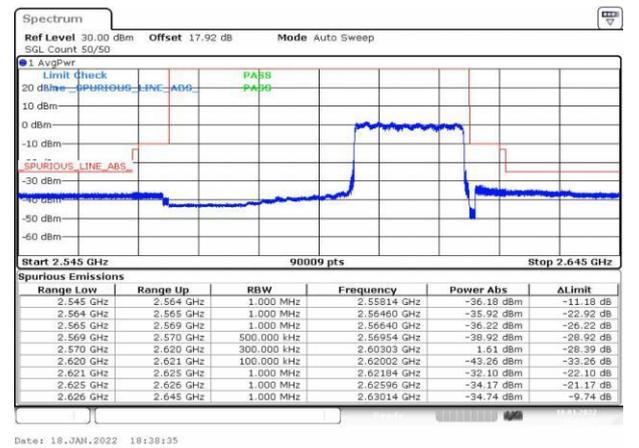


Fig.16

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 38 Low Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.004	-0.005	-0.018	0.008
0	NV	-0.009	0.017	0.017	0.010
+10	NV	-0.022	0.012	0.021	-0.014
+30	NV	-0.013	0.016	-0.005	-0.020
+40	NV	-0.019	0.012	0.017	-0.011
+50	NV	-0.021	-0.003	-0.009	0.012
+20	LV	-0.009	-0.017	-0.010	-0.012
+20	HV	-0.019	-0.008	0.010	-0.004

Temperature(°C)	Voltage	Test Result (ppm) Band 38 High Channel QPSK			
		5M	10M	15M	20M
-10	NV	0.015	0.014	-0.019	0.007
0	NV	-0.006	-0.019	-0.005	-0.008
+10	NV	-0.023	-0.020	-0.015	-0.012
+30	NV	-0.025	-0.022	-0.023	-0.021
+40	NV	-0.015	-0.010	-0.006	-0.018
+50	NV	-0.018	-0.008	0.011	0.013
+20	LV	-0.022	-0.012	-0.012	-0.021
+20	HV	-0.013	-0.016	-0.019	-0.010

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)
16QAM	2572.5	37775	5	1	0	21.27	22.62	0.183
16QAM	2572.5	37775	5	1	12	21.28	22.63	0.183
16QAM	2572.5	37775	5	1	24	21.34	22.69	0.186
16QAM	2572.5	37775	5	12	0	20.66	22.01	0.159
16QAM	2572.5	37775	5	12	7	20.65	22.00	0.158
16QAM	2572.5	37775	5	12	13	20.60	21.95	0.157
16QAM	2572.5	37775	5	25	0	20.67	22.02	0.159
16QAM	2595	38000	5	1	0	21.66	23.01	0.200
16QAM	2595	38000	5	1	12	21.31	22.66	0.185
16QAM	2595	38000	5	1	24	21.88	23.23	0.210
16QAM	2595	38000	5	12	0	20.40	21.75	0.150
16QAM	2595	38000	5	12	7	20.48	21.83	0.152
16QAM	2595	38000	5	12	13	20.59	21.94	0.156
16QAM	2595	38000	5	25	0	20.71	22.06	0.161
16QAM	2617.5	38225	5	1	0	22.04	23.39	0.218
16QAM	2617.5	38225	5	1	12	22.22	23.57	0.228
16QAM	2617.5	38225	5	1	24	22.02	23.37	0.217
16QAM	2617.5	38225	5	12	0	20.59	21.94	0.156
16QAM	2617.5	38225	5	12	7	20.54	21.89	0.155
16QAM	2617.5	38225	5	12	13	20.52	21.87	0.154
16QAM	2617.5	38225	5	25	0	20.81	22.16	0.164
64QAM	2572.5	37775	5	1	0	20.28	21.63	0.146
64QAM	2572.5	37775	5	1	12	20.28	21.63	0.146
64QAM	2572.5	37775	5	1	24	20.20	21.55	0.143
64QAM	2572.5	37775	5	12	0	19.68	21.03	0.127
64QAM	2572.5	37775	5	12	7	19.80	21.15	0.130
64QAM	2572.5	37775	5	12	13	19.63	20.98	0.125
64QAM	2572.5	37775	5	25	0	19.62	20.97	0.125
64QAM	2595	38000	5	1	0	20.83	22.18	0.165
64QAM	2595	38000	5	1	12	21.06	22.41	0.174
64QAM	2595	38000	5	1	24	21.33	22.68	0.185
64QAM	2595	38000	5	12	0	19.72	21.07	0.128
64QAM	2595	38000	5	12	7	19.79	21.14	0.130
64QAM	2595	38000	5	12	13	19.57	20.92	0.124
64QAM	2595	38000	5	25	0	19.64	20.99	0.126
64QAM	2617.5	38225	5	1	0	20.36	21.71	0.148
64QAM	2617.5	38225	5	1	12	20.37	21.72	0.149
64QAM	2617.5	38225	5	1	24	20.43	21.78	0.151
64QAM	2617.5	38225	5	12	0	19.11	20.46	0.111
64QAM	2617.5	38225	5	12	7	19.24	20.59	0.115
64QAM	2617.5	38225	5	12	13	19.06	20.41	0.110

64QAM	2617.5	38225	5	25	0	19.20	20.55	0.114
-------	--------	-------	---	----	---	-------	-------	-------

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2572.5	37775	5	1	0	22.52	23.87	0.244
QPSK	2572.5	37775	5	1	12	22.46	23.81	0.240
QPSK	2572.5	37775	5	1	24	22.40	23.75	0.237
QPSK	2572.5	37775	5	12	0	21.59	22.94	0.197
QPSK	2572.5	37775	5	12	7	21.54	22.89	0.195
QPSK	2572.5	37775	5	12	13	21.36	22.71	0.187
QPSK	2572.5	37775	5	25	0	21.39	22.74	0.188
QPSK	2595	38000	5	1	0	22.48	23.83	0.242
QPSK	2617.5	38225	5	1	0	22.64	23.99	0.251
QPSK	2617.5	38225	5	1	12	22.65	24.00	0.251
QPSK	2617.5	38225	5	1	24	22.62	23.97	0.249
QPSK	2617.5	38225	5	12	0	21.71	23.06	0.202
QPSK	2617.5	38225	5	12	7	21.77	23.12	0.205
QPSK	2617.5	38225	5	12	13	21.59	22.94	0.197
QPSK	2617.5	38225	5	25	0	21.65	23.00	0.200

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	2575	37800	10	1	0	22.39	23.74	0.237
16QAM	2575	37800	10	1	25	21.44	22.79	0.190
16QAM	2575	37800	10	1	49	21.58	22.93	0.196
16QAM	2575	37800	10	25	0	20.52	21.87	0.154
16QAM	2575	37800	10	25	12	20.58	21.93	0.156
16QAM	2575	37800	10	25	25	20.51	21.86	0.153
16QAM	2575	37800	10	50	0	20.59	21.94	0.156
16QAM	2595	38000	10	1	0	22.39	23.74	0.237
16QAM	2595	38000	10	1	25	22.18	23.53	0.225
16QAM	2595	38000	10	1	49	22.27	23.62	0.230
16QAM	2595	38000	10	25	0	20.67	22.02	0.159
16QAM	2595	38000	10	25	12	20.62	21.97	0.157
16QAM	2595	38000	10	25	25	20.66	22.01	0.159
16QAM	2595	38000	10	50	0	20.55	21.90	0.155
16QAM	2615	38200	10	1	0	21.72	23.07	0.203
16QAM	2615	38200	10	1	25	21.68	23.03	0.201
16QAM	2615	38200	10	1	49	21.67	23.02	0.200
16QAM	2615	38200	10	25	0	20.75	22.10	0.162
16QAM	2615	38200	10	25	12	20.72	22.07	0.161
16QAM	2615	38200	10	25	25	20.81	22.16	0.164
16QAM	2615	38200	10	50	0	20.61	21.96	0.157
64QAM	2575	37800	10	1	0	21.35	22.70	0.186
64QAM	2575	37800	10	1	25	21.32	22.67	0.185
64QAM	2575	37800	10	1	49	21.43	22.78	0.190
64QAM	2575	37800	10	25	0	19.80	21.15	0.130
64QAM	2575	37800	10	25	12	19.85	21.20	0.132
64QAM	2575	37800	10	25	25	19.95	21.30	0.135
64QAM	2575	37800	10	50	0	19.93	21.28	0.134
64QAM	2595	38000	10	1	0	20.44	21.79	0.151
64QAM	2595	38000	10	1	25	20.43	21.78	0.151
64QAM	2595	38000	10	1	49	20.42	21.77	0.150
64QAM	2595	38000	10	25	0	19.83	21.18	0.131
64QAM	2595	38000	10	25	12	19.80	21.15	0.130
64QAM	2595	38000	10	25	25	19.83	21.18	0.131
64QAM	2595	38000	10	50	0	19.84	21.19	0.132
64QAM	2615	38200	10	1	0	21.10	22.45	0.176
64QAM	2615	38200	10	1	25	22.31	23.66	0.232
64QAM	2615	38200	10	1	49	20.98	22.33	0.171
64QAM	2615	38200	10	25	0	19.37	20.72	0.118
64QAM	2615	38200	10	25	12	19.34	20.69	0.117
64QAM	2615	38200	10	25	25	19.43	20.78	0.120
64QAM	2615	38200	10	50	0	19.40	20.75	0.119