

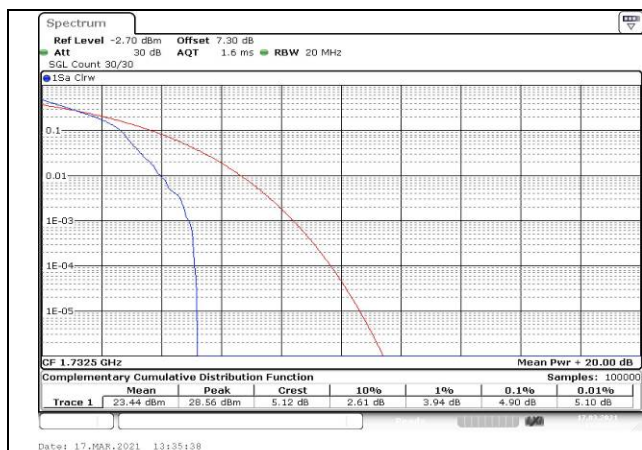


Fig.61

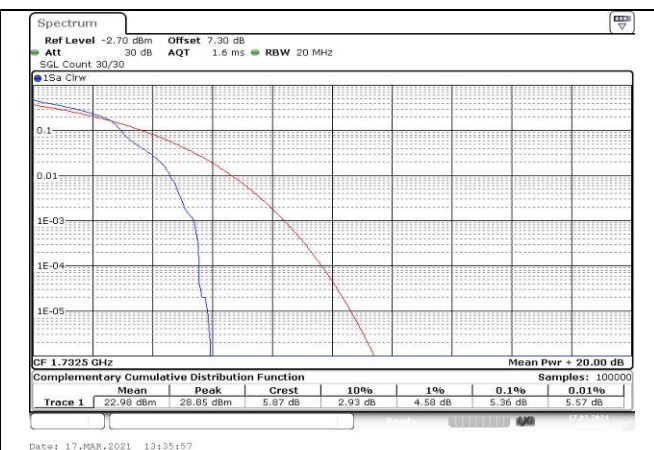


Fig.62

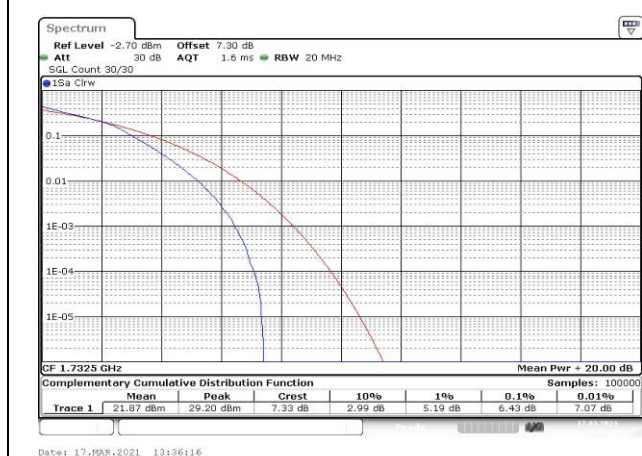


Fig.63

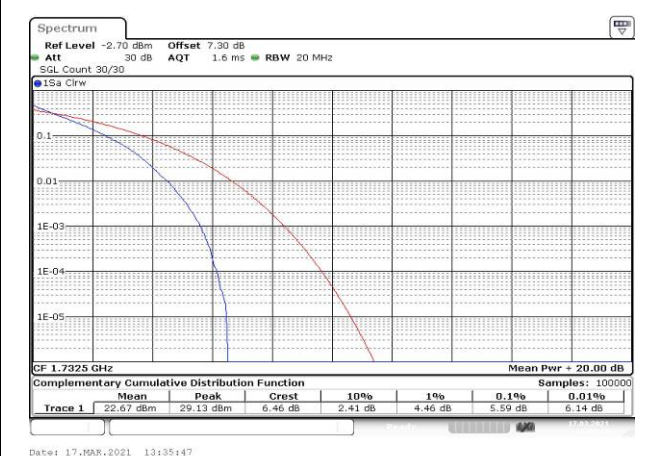


Fig.64

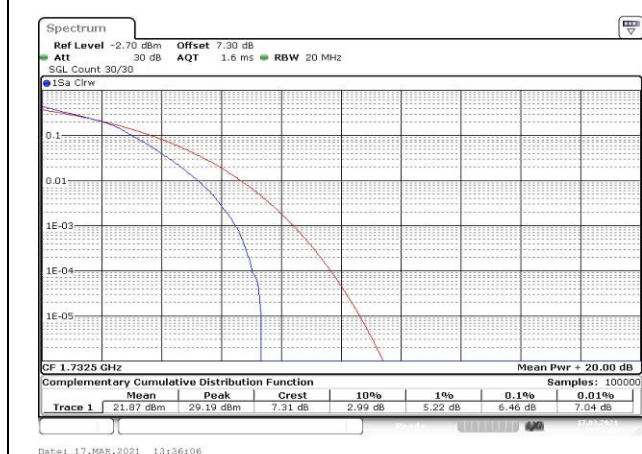


Fig.65

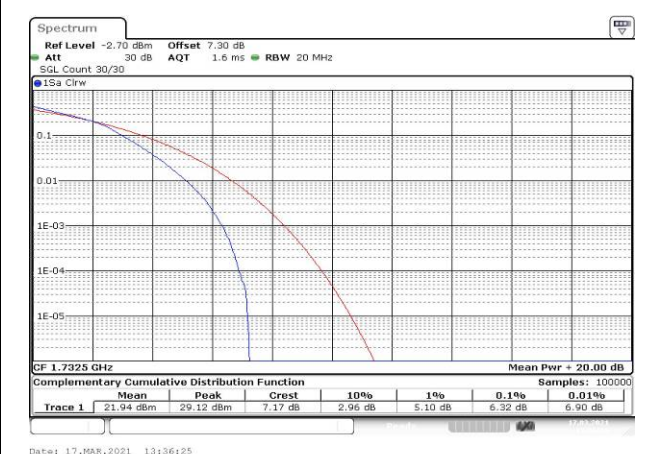


Fig.66

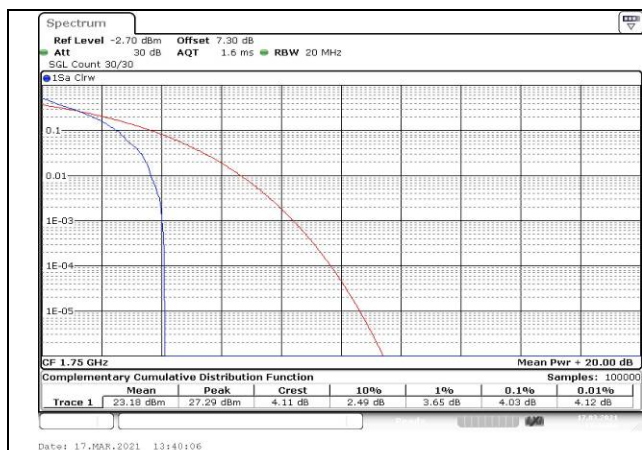


Fig.67

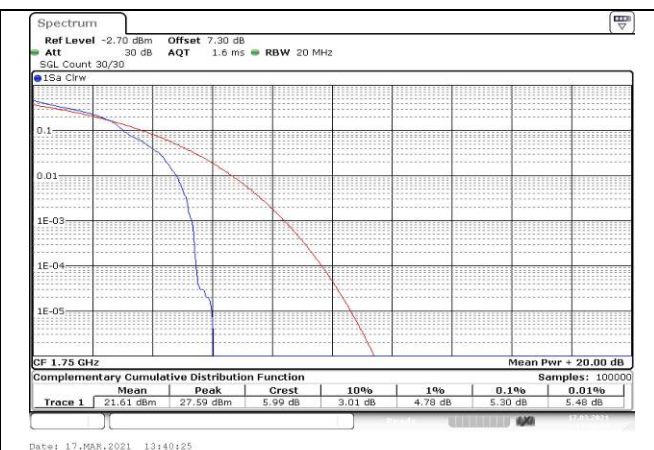


Fig.68

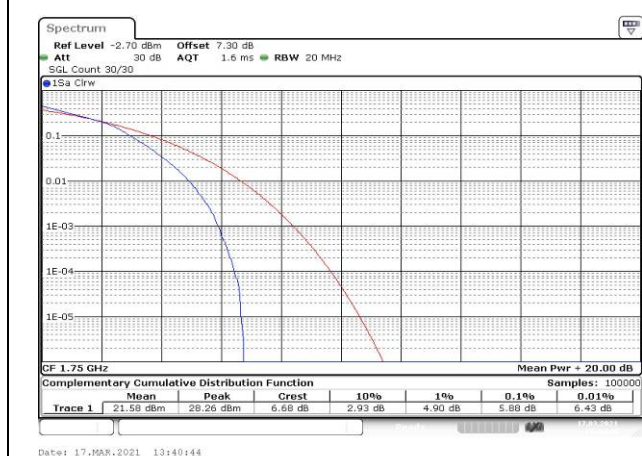


Fig.69

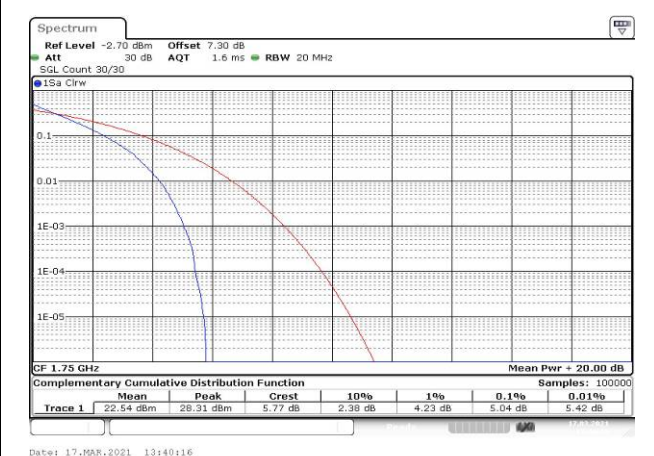


Fig.70

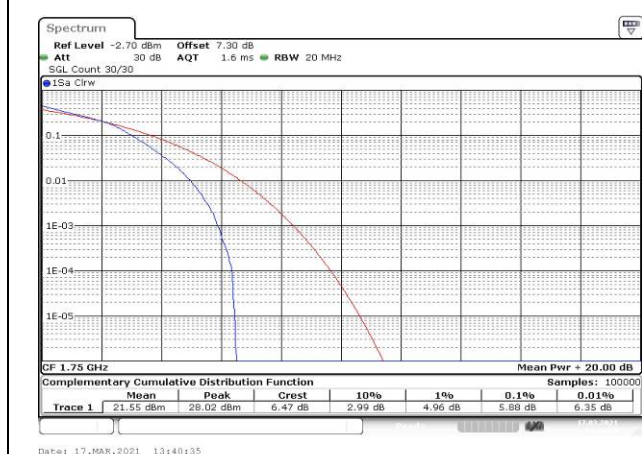


Fig.71

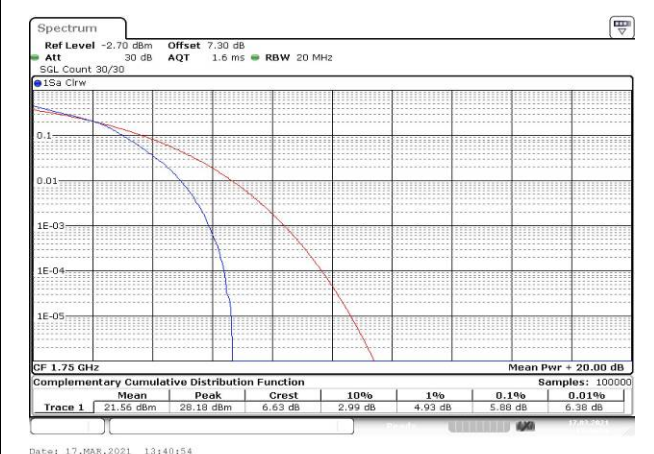


Fig.72

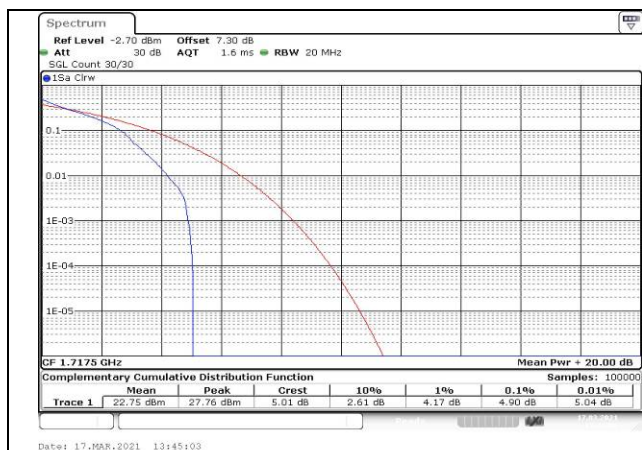


Fig.73

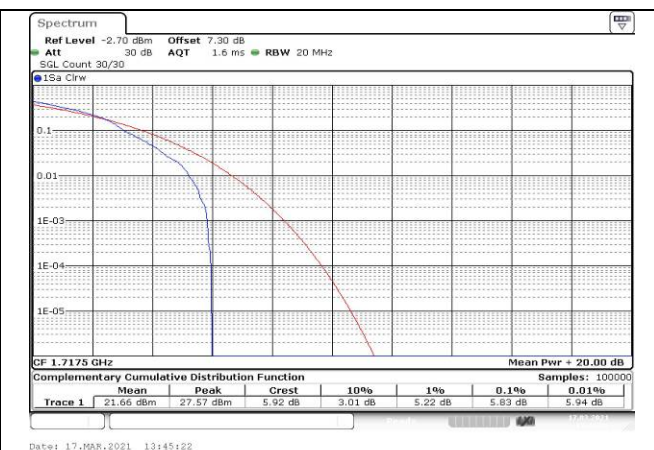


Fig.74

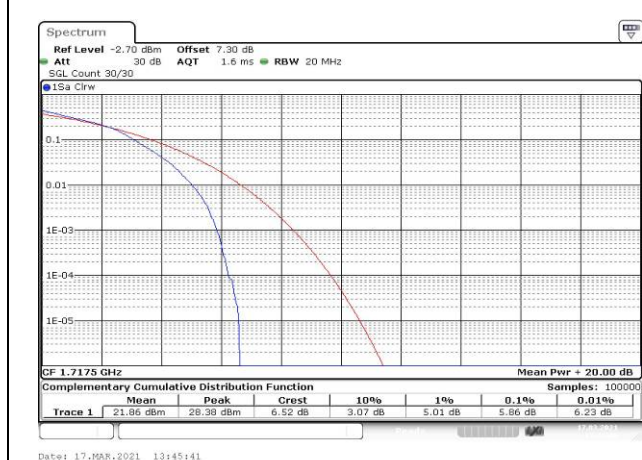


Fig.75

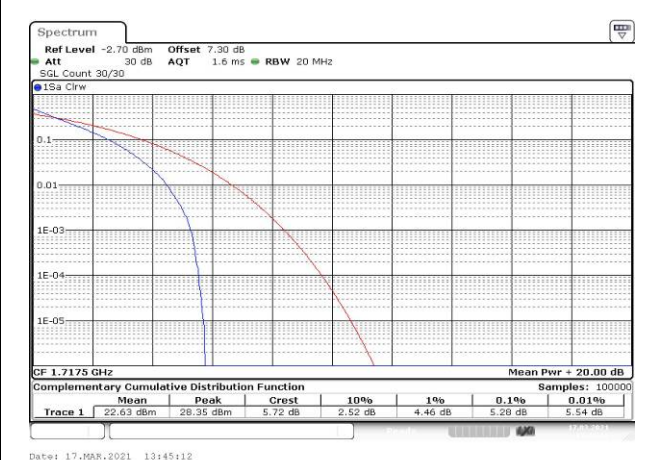


Fig.76

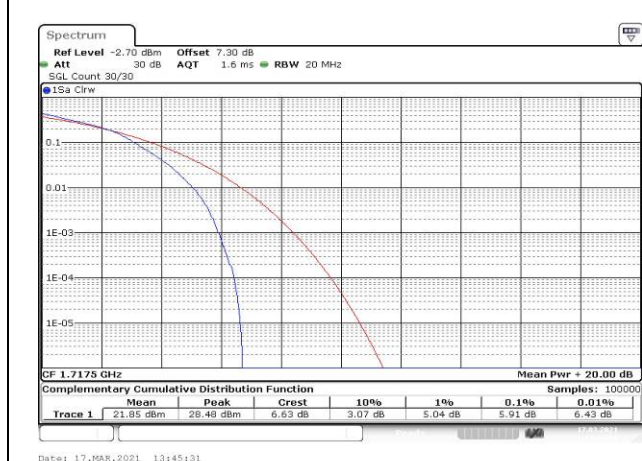


Fig.77

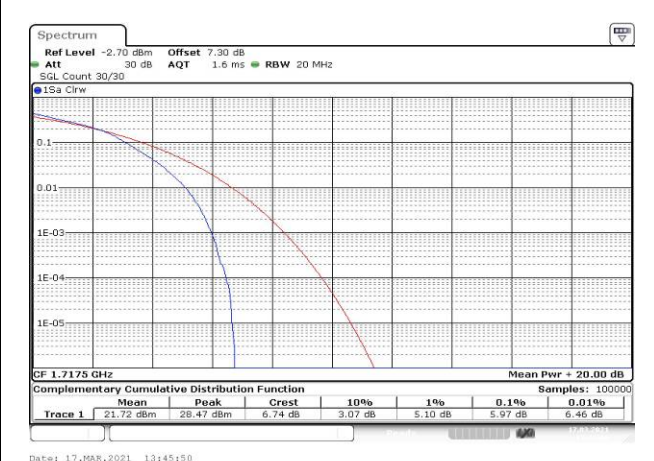


Fig.78

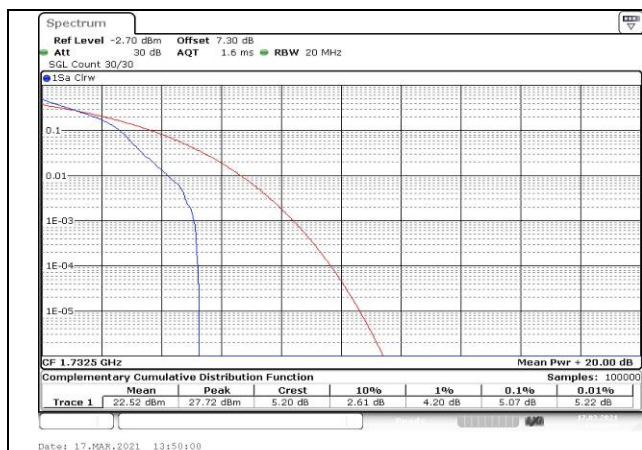


Fig.79

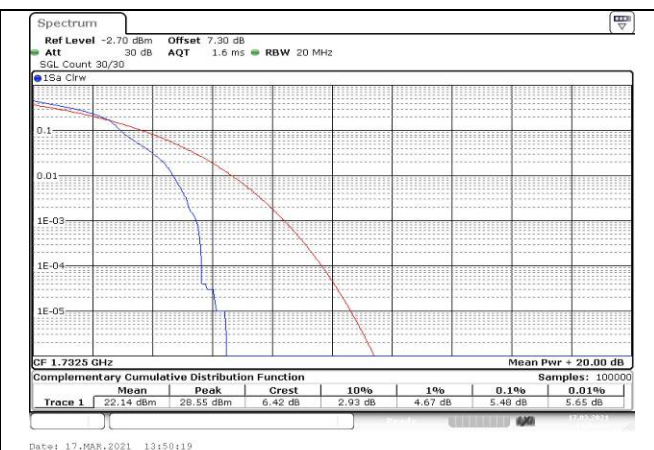


Fig.80

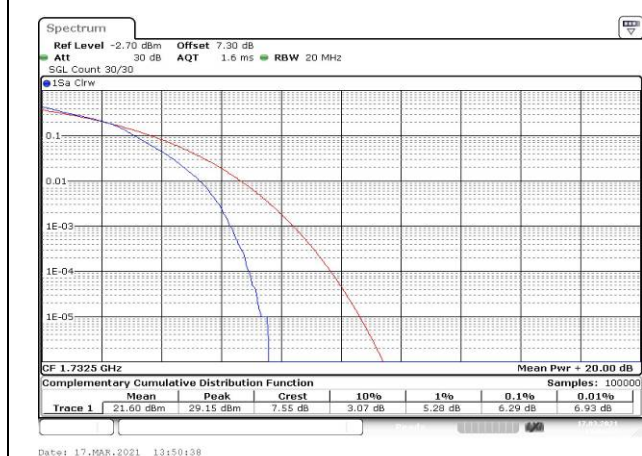


Fig.81

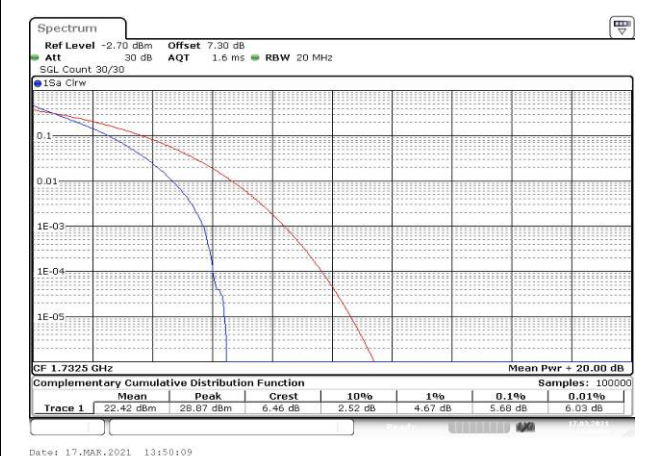


Fig.82

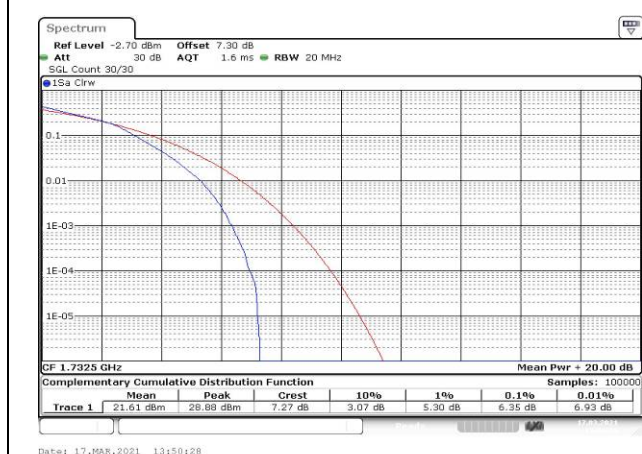


Fig.83

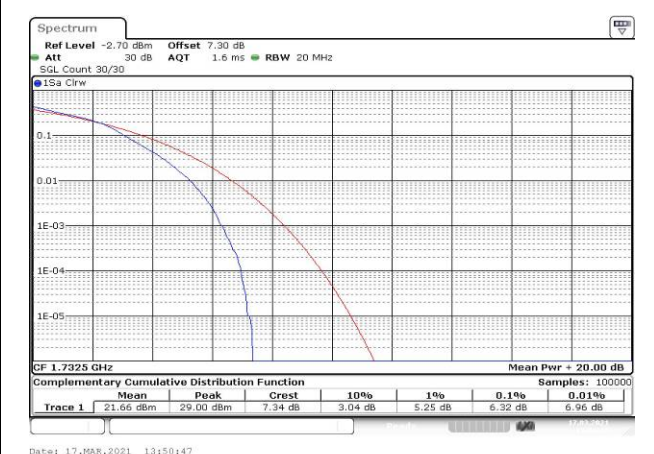


Fig.84

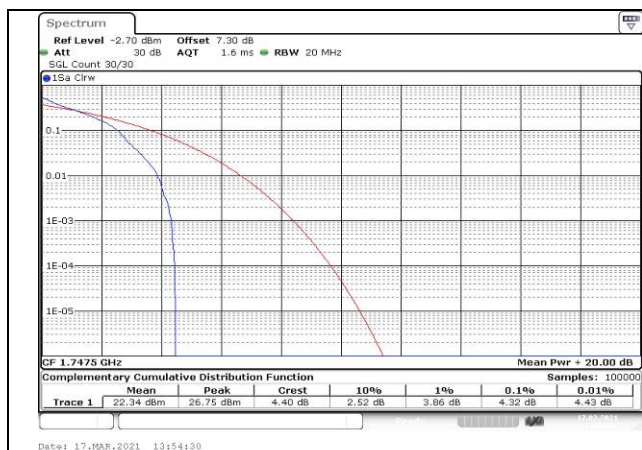


Fig.85

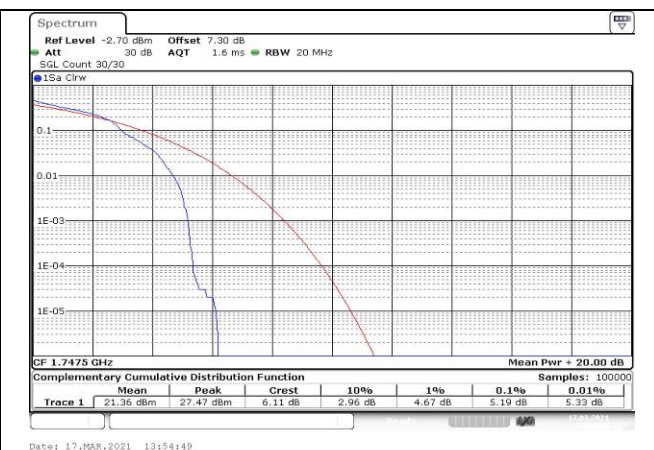


Fig.86

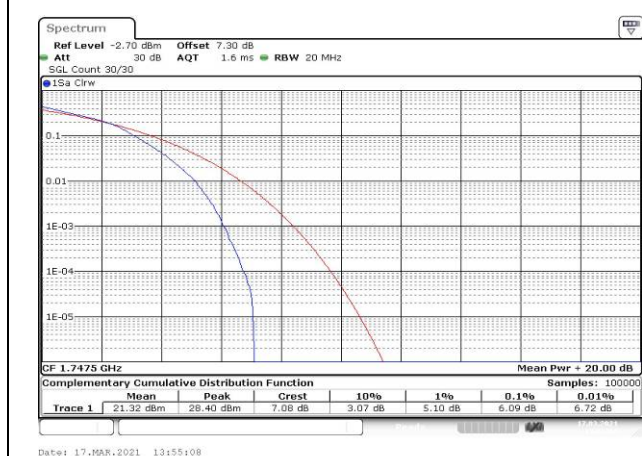


Fig.87

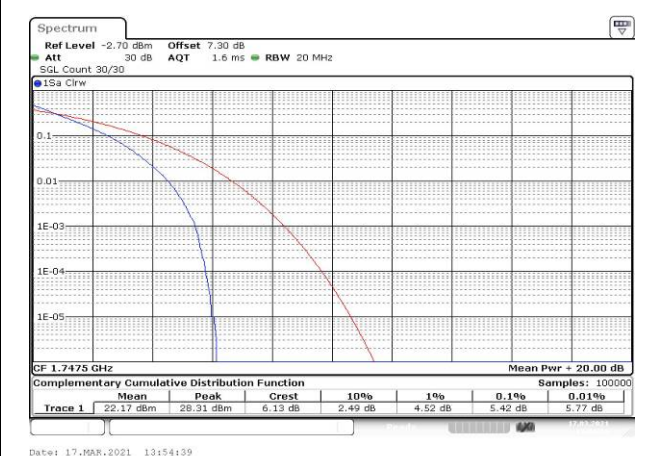


Fig.88

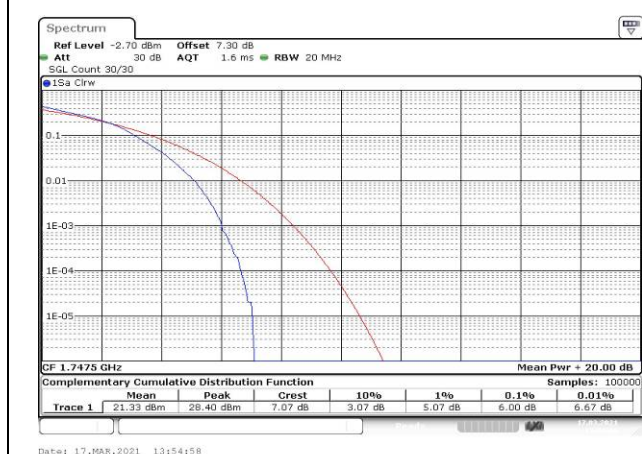


Fig.89

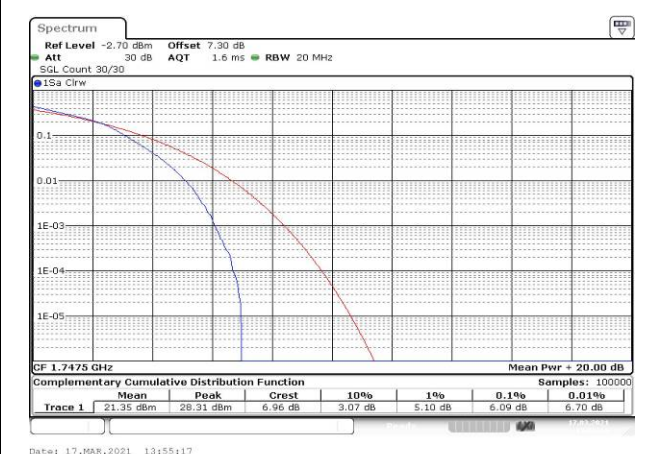


Fig.90

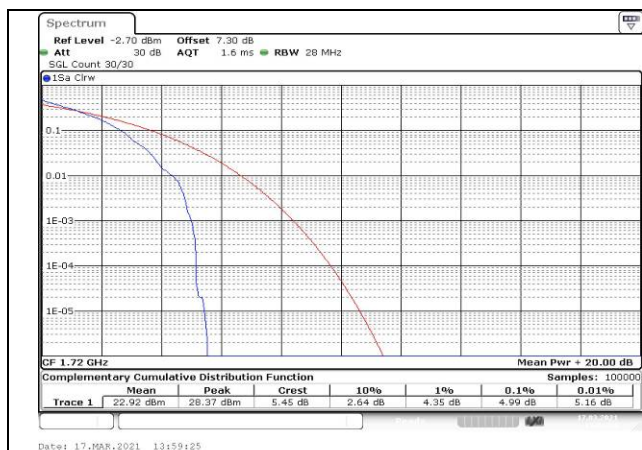


Fig.91

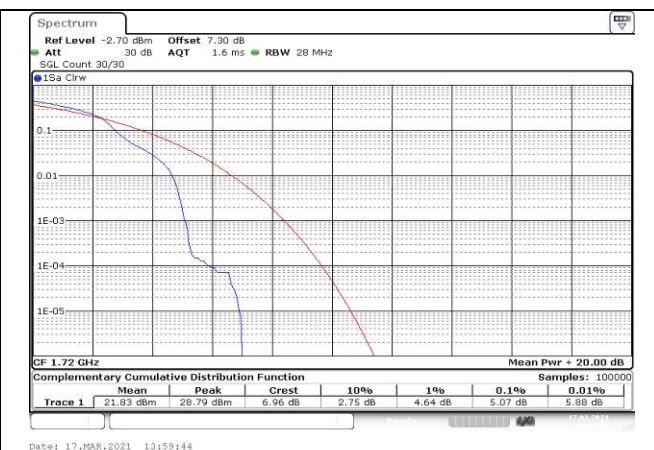


Fig.92

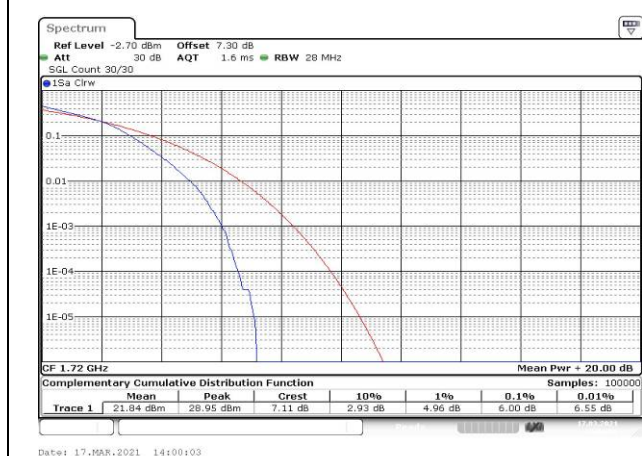


Fig.93

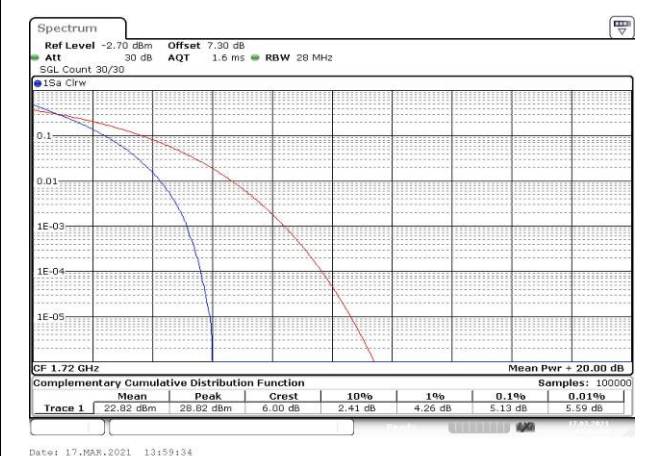


Fig.94

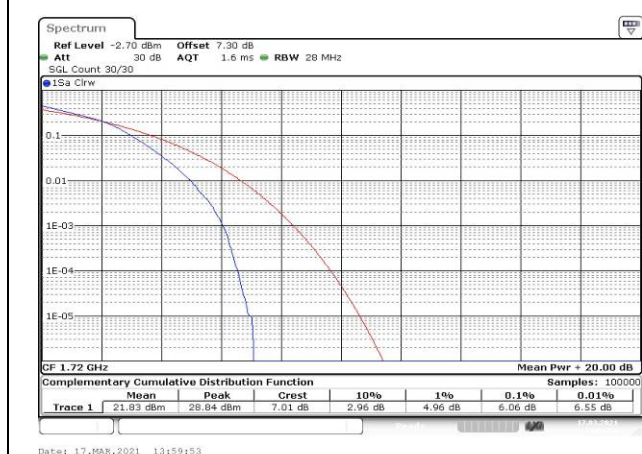


Fig.95

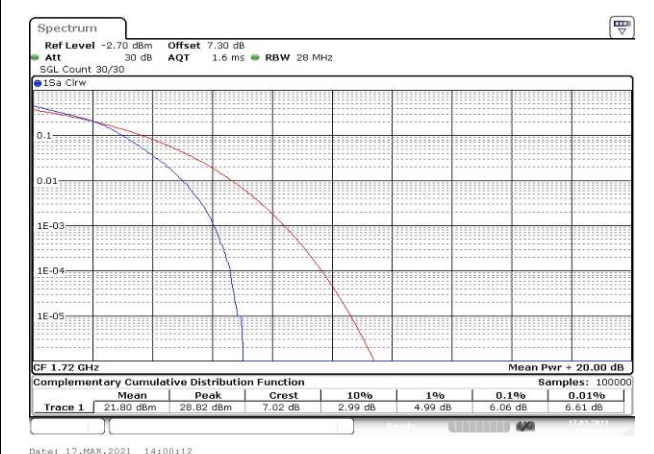


Fig.96

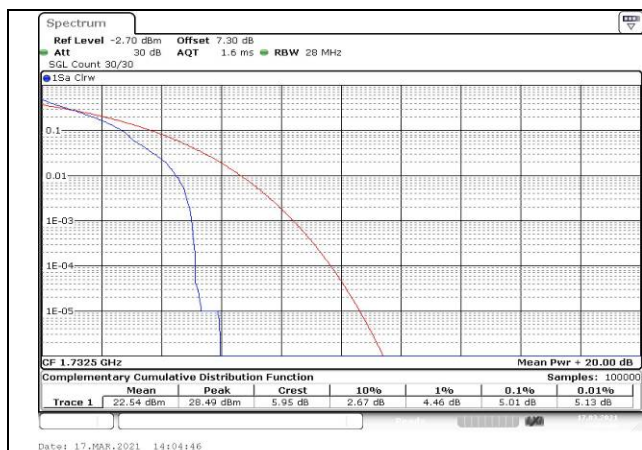


Fig.97

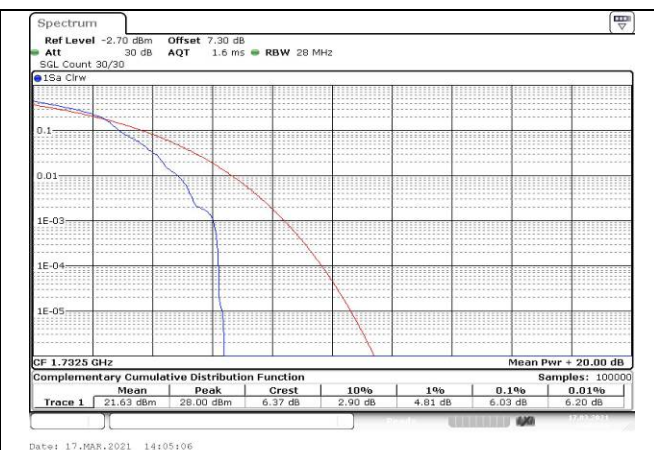


Fig.98

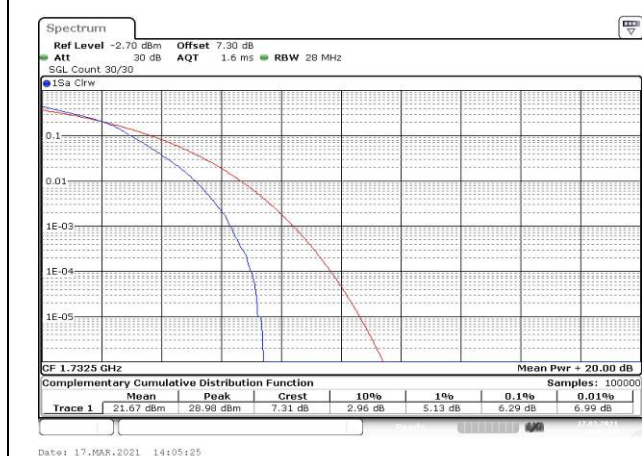


Fig.99

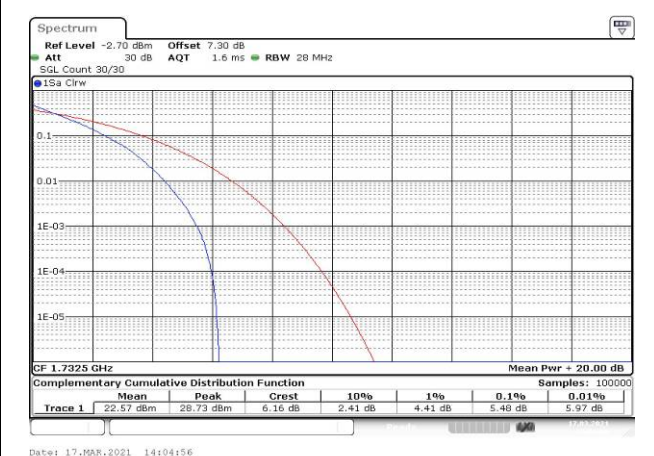


Fig.100

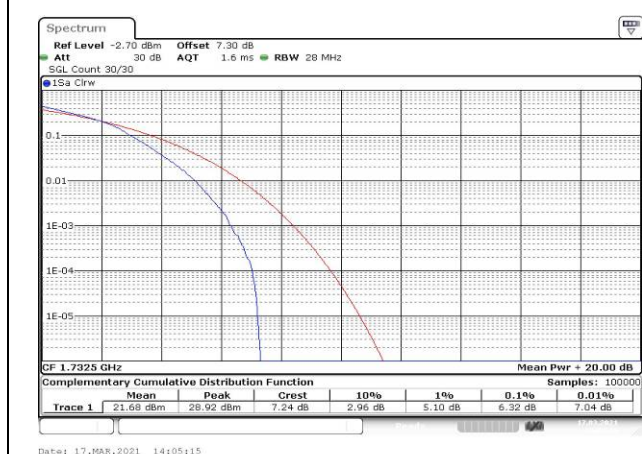


Fig.101

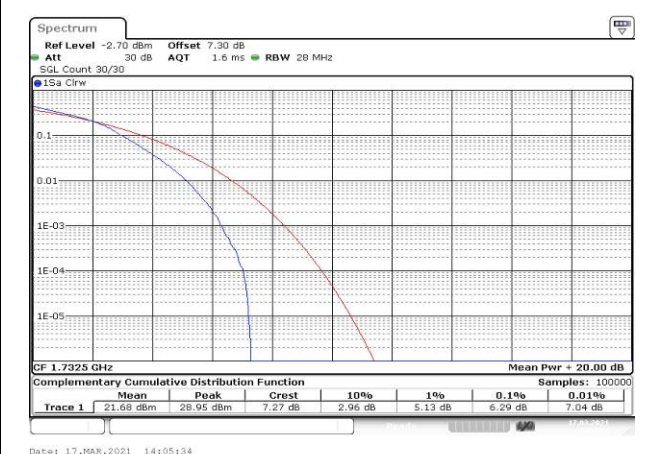


Fig.102

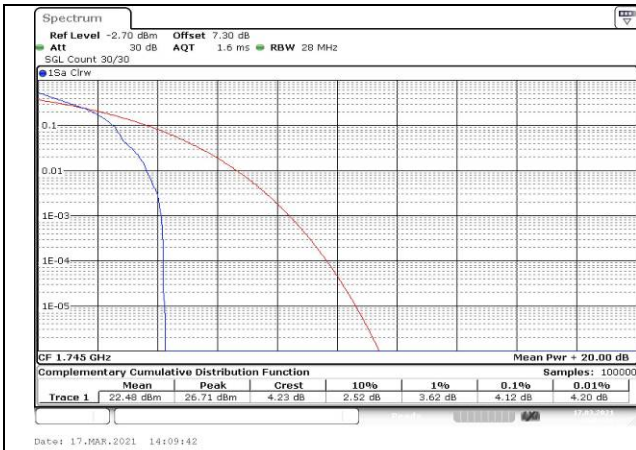


Fig.103



Fig.104

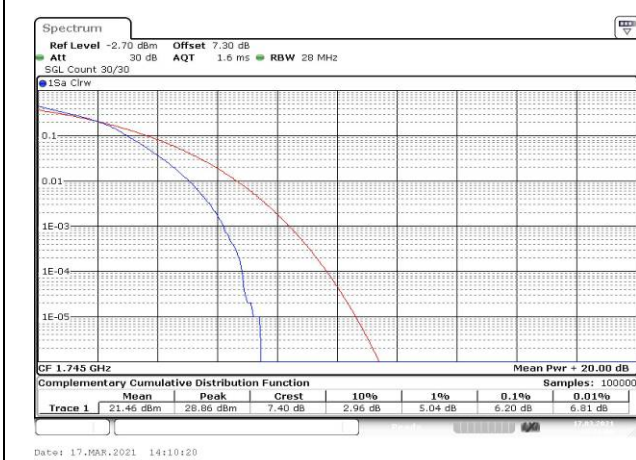


Fig.105

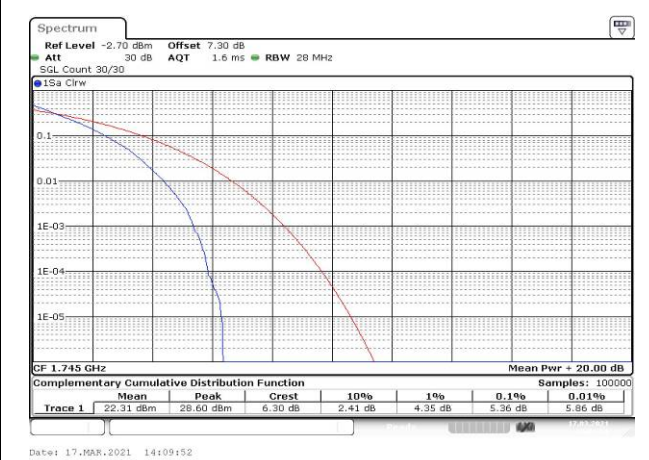


Fig.106

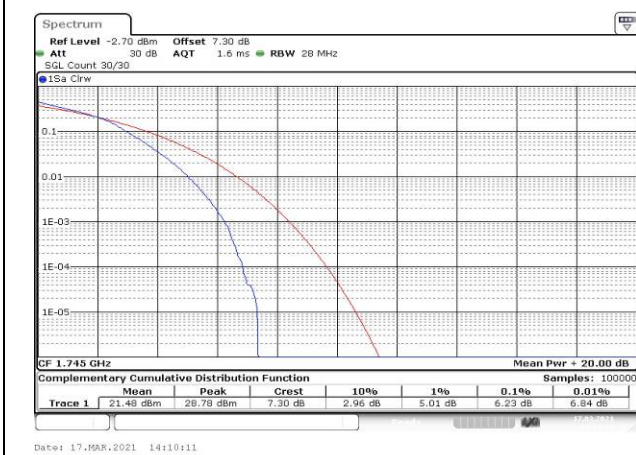


Fig.107

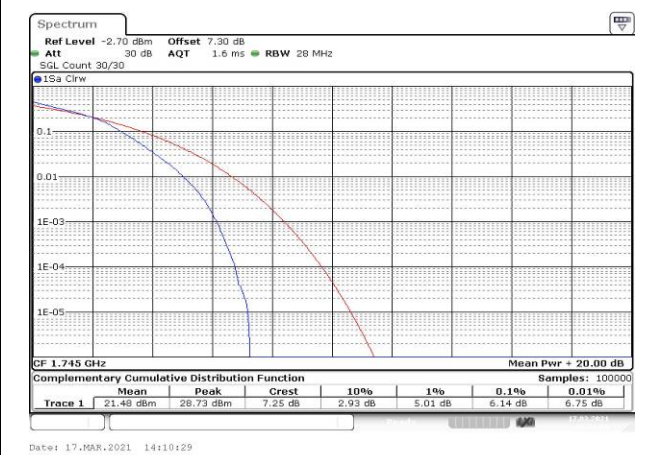


Fig.108

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
4	1720	20050	20	1	0	Fig.1
	1732.5	20175		1	0	Fig.2
	1745	20300		1	0	Fig.3

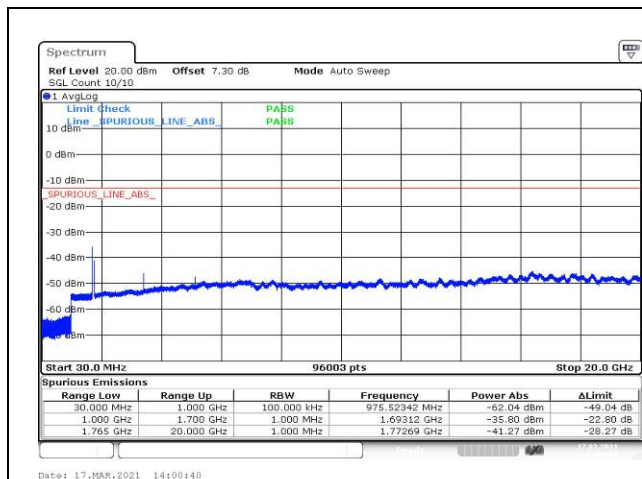


Fig.1

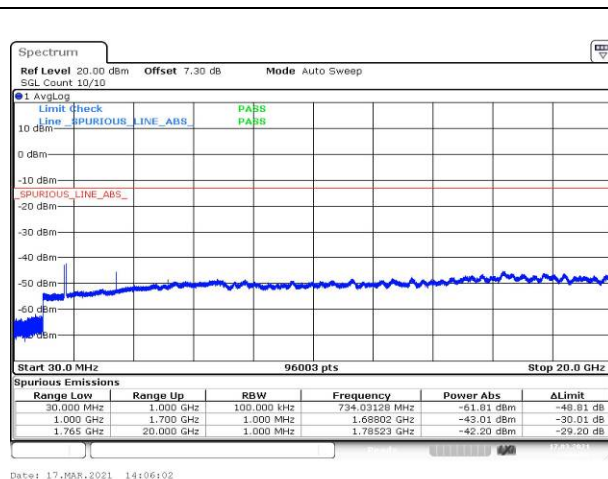


Fig.2

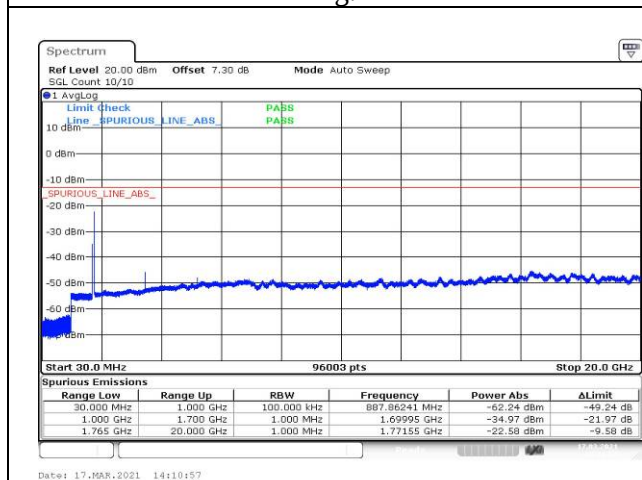
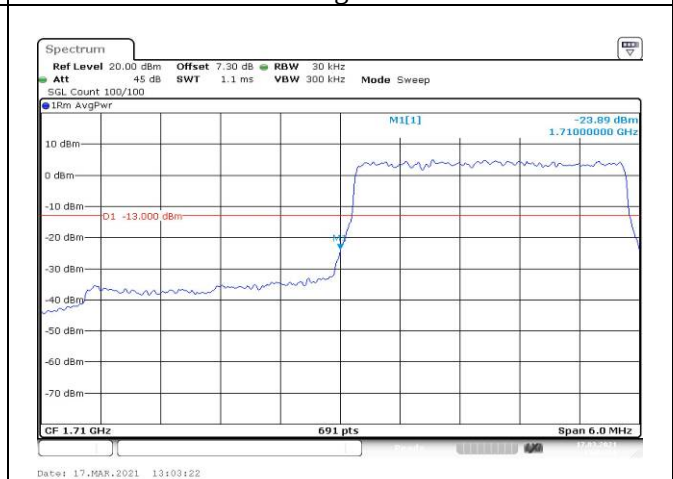
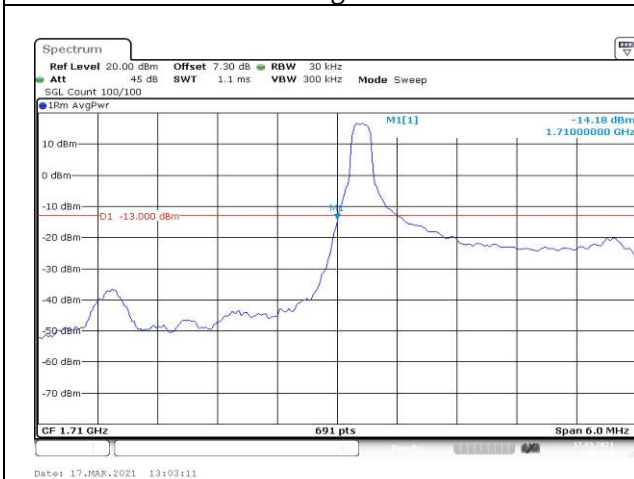
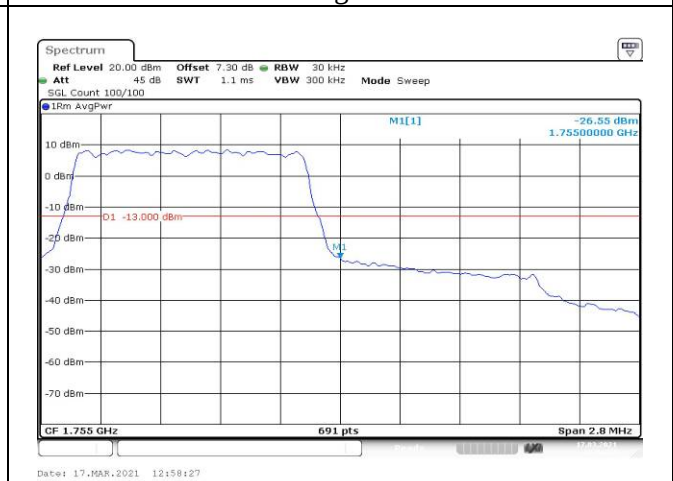
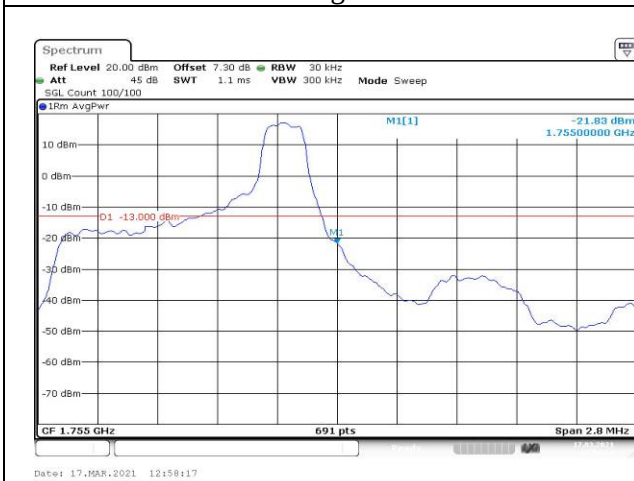
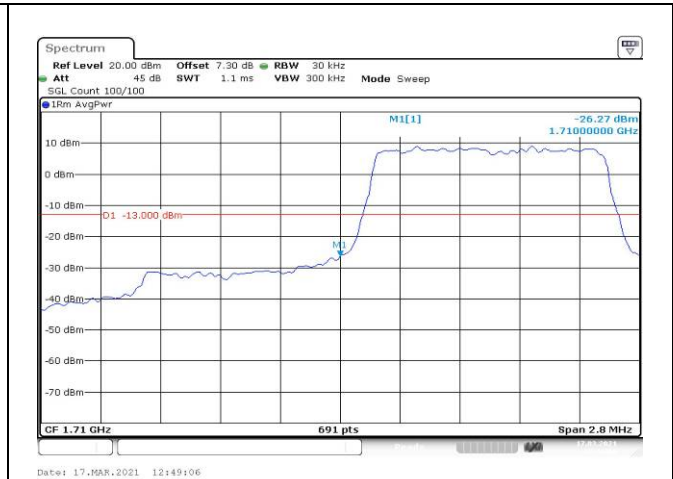
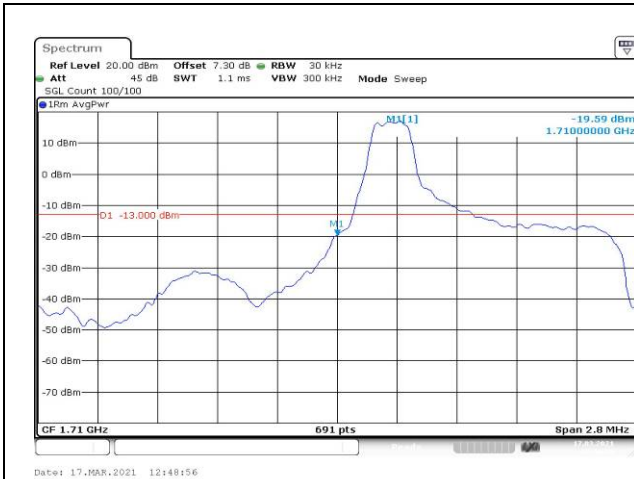


Fig.3

6 Band Edges Compliance

Band Edges Compliance						
Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
4	1710.7	19957	1.4	1	0	Fig.1
				6	0	Fig.2
	1754.3	20393		1	5	Fig.3
				6	0	Fig.4
	1711.5	19965	3	1	0	Fig.5
				15	0	Fig.6
	1753.5	20385		1	14	Fig.7
				15	0	Fig.8
	1712.5	19975	5	1	0	Fig.9
				25	0	Fig.10
	1752.5	20375		1	24	Fig.11
				25	0	Fig.12
	1715	20000	10	1	0	Fig.13
				50	0	Fig.14
	1750	20350		1	49	Fig.15
				50	0	Fig.16
	1717.5	20025	15	1	0	Fig.17
				75	0	Fig.18
	1747.5	20325		1	74	Fig.19
				75	0	Fig.20
	1720	20050	20	1	0	Fig.21
				100	0	Fig.22
	1745	20300		1	99	Fig.23
				100	0	Fig.24



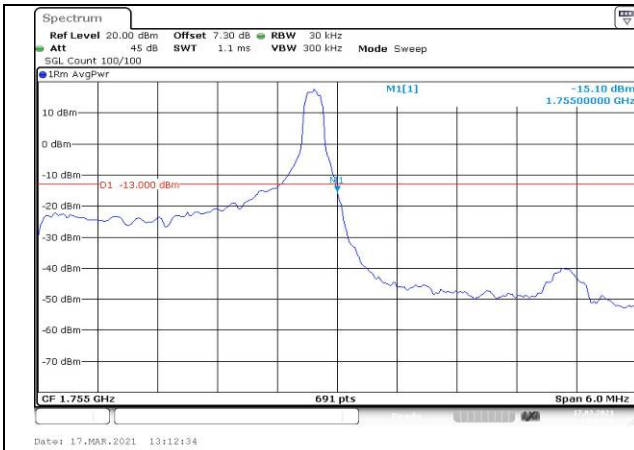


Fig.7



Fig.8

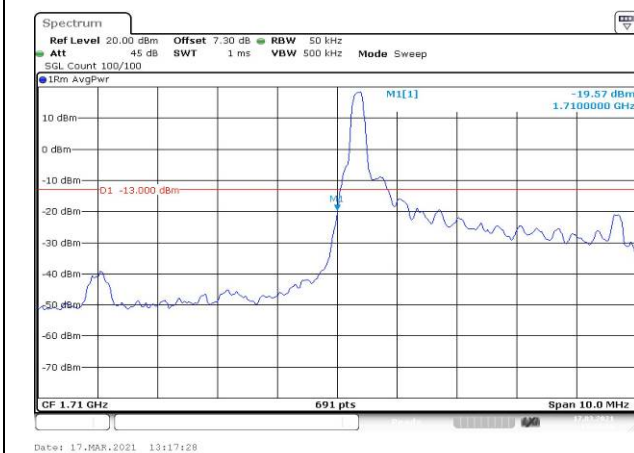


Fig.9

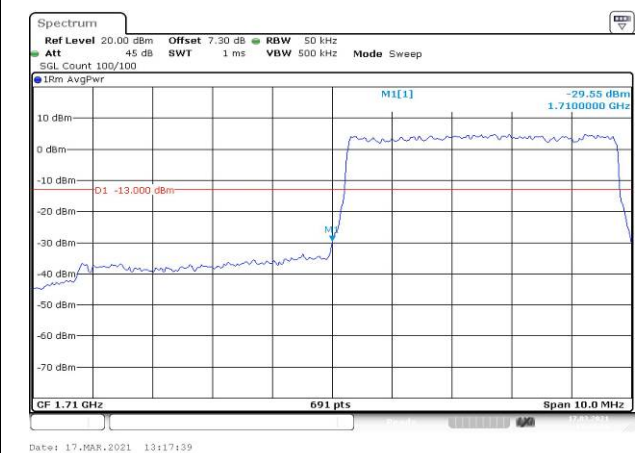


Fig.10

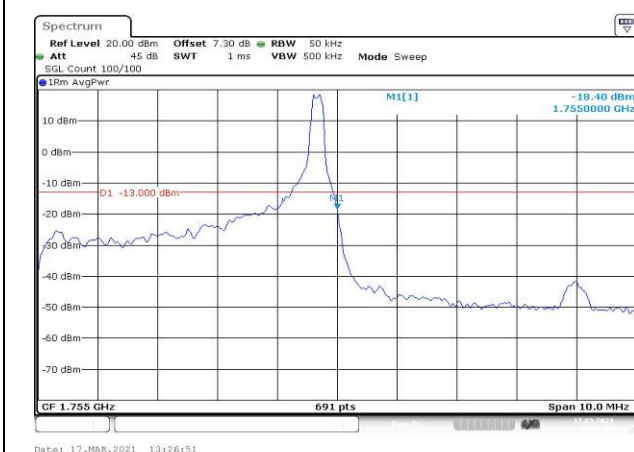


Fig.11

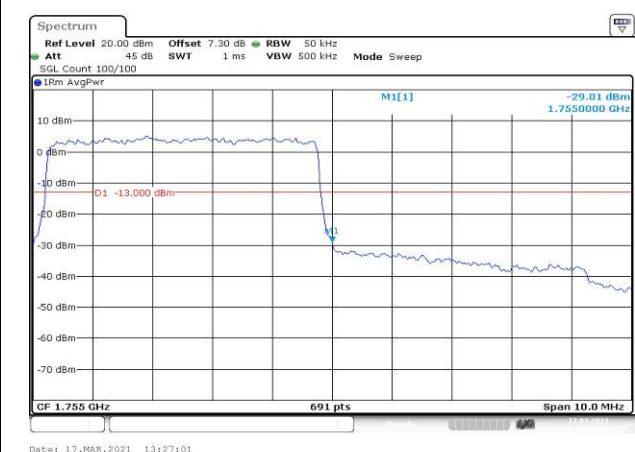


Fig.12

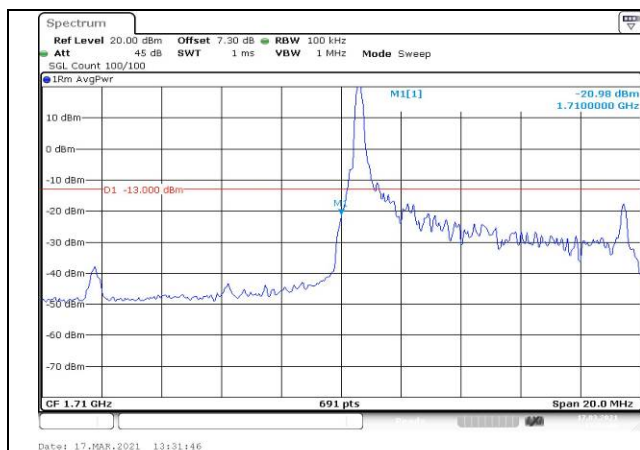


Fig.13

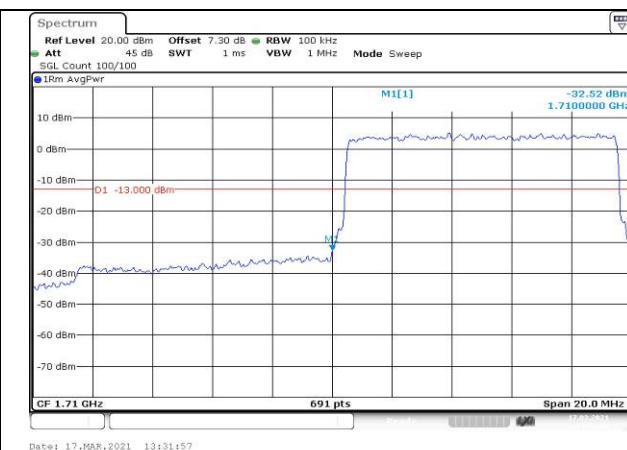


Fig.14

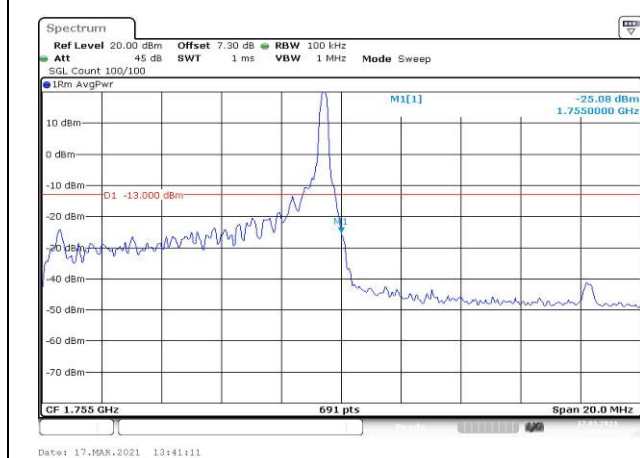


Fig.15

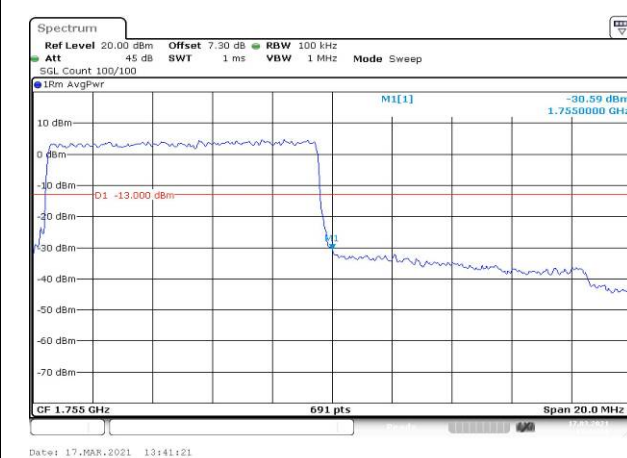


Fig.16

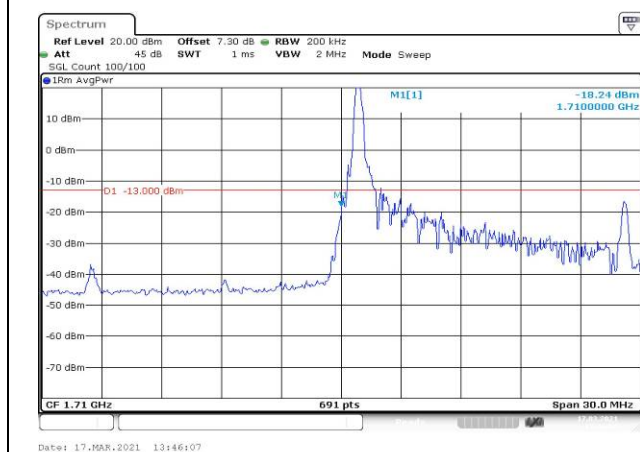


Fig.17

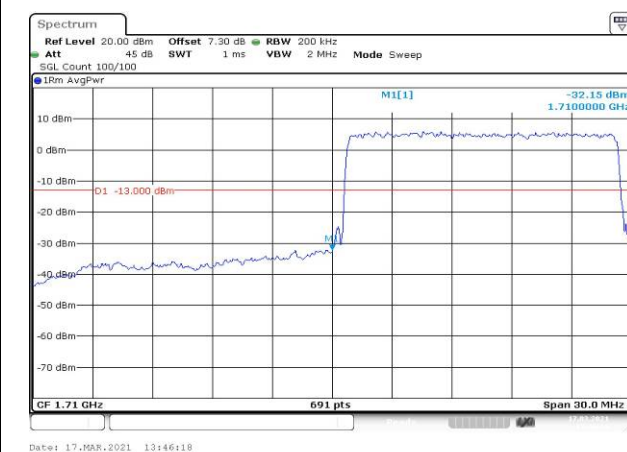


Fig.18

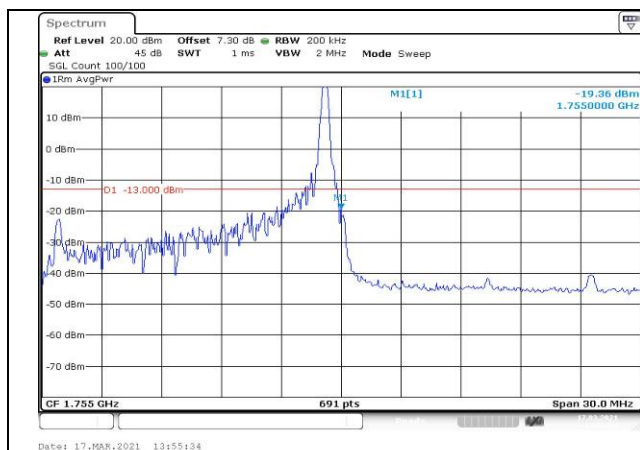


Fig.19

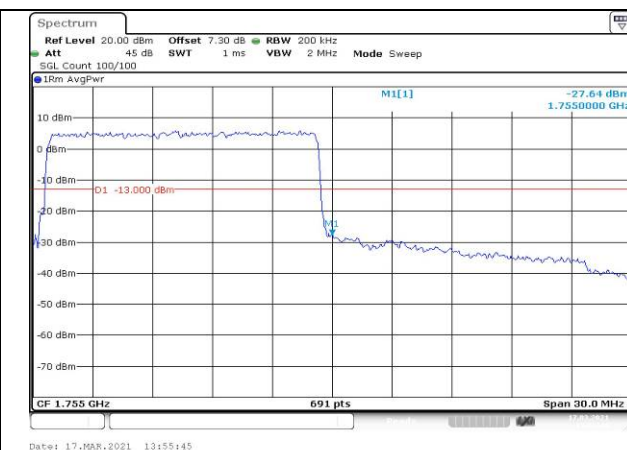


Fig.20

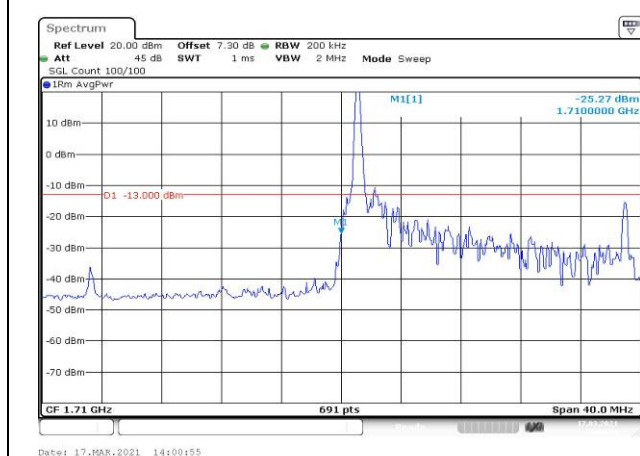


Fig.21

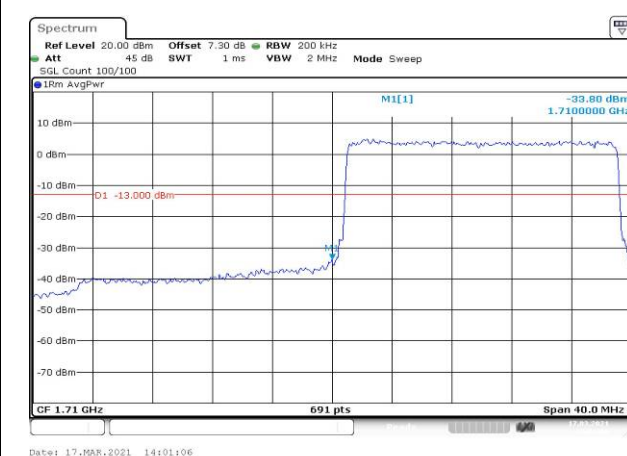


Fig.22

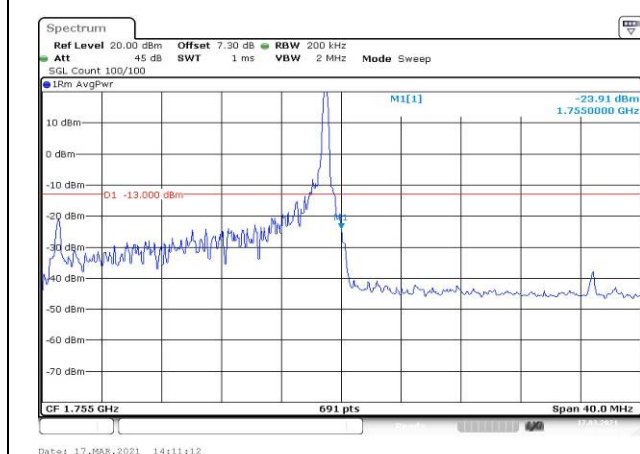


Fig.23

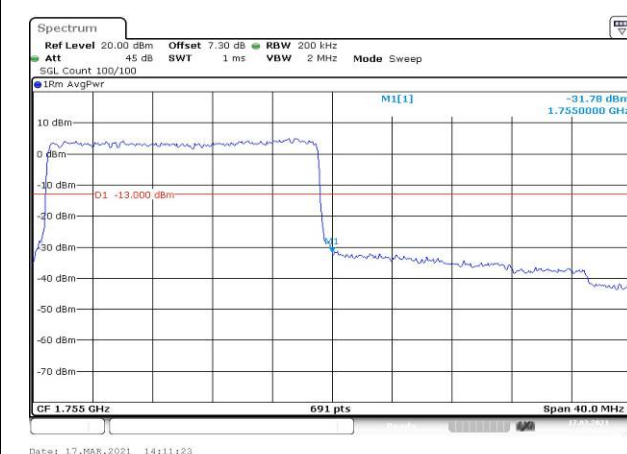


Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band4 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.002	0.015	-0.017	0.017	0.026	0.002
0	NV	0.015	0.021	0.000	0.017	0.004	0.011
+10	NV	-0.023	0.018	0.004	0.015	0.015	-0.013
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.003	-0.018	-0.014	0.010	-0.006	-0.005
+40	NV	0.015	0.001	0.009	0.015	-0.004	0.014
+50	NV	0.019	-0.004	0.007	0.016	0.001	0.009
+55	NV	0.013	-0.007	0.002	0.013	0.007	0.003
+20	LV	0.008	0.002	0.016	-0.003	0.007	0.008
+20	HV	0.000	-0.006	-0.001	0.015	0.019	0.004

Temperature(°C)	Voltage	Test Result (ppm) Band4 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.015	-0.001	-0.008	0.005	-0.009	0.016
0	NV	0.019	0.002	0.009	0.010	0.016	0.001
+10	NV	0.012	0.017	0.029	0.021	0.006	-0.007
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.021	-0.010	0.007	0.003	0.014	-0.019
+40	NV	-0.016	-0.014	0.005	-0.003	-0.019	-0.014
+50	NV	0.014	-0.023	0.024	-0.016	0.009	-0.015
+55	NV	0.015	-0.009	0.011	0.012	0.004	0.003
+20	LV	0.012	0.004	0.013	-0.001	0.024	-0.026
+20	HV	-0.005	0.023	0.002	0.010	-0.007	-0.006

8 Effective Radiated Power and Effective Isotropic Radiated Power

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	1710.7	19957	1.4	1	0	24.65	22.75	0.188	
				1	3	24.65	22.75	0.188	
				1	5	24.60	22.70	0.186	
				3	0	24.68	22.78	0.190	
				3	1	24.70	22.80	0.191	
				3	3	24.68	22.78	0.190	
				6	0	23.68	21.78	0.151	
	1732.5	20175		1	0	24.55	22.65	0.184	
				1	3	24.42	22.52	0.179	
				1	5	24.53	22.63	0.183	
				3	0	24.47	22.57	0.181	
				3	1	24.47	22.57	0.181	
				3	3	24.60	22.70	0.186	
				6	0	23.46	21.56	0.143	
	1754.3	20393		1	0	24.34	22.44	0.175	
				1	3	24.22	22.32	0.171	
				1	5	24.44	22.54	0.179	
				3	0	24.21	22.31	0.170	
				3	1	24.31	22.41	0.174	
				3	3	24.27	22.37	0.173	
				6	0	23.21	21.31	0.135	
	16QAM	1710.7		19957	1	0	24.47	22.57	0.181
					1	3	24.52	22.62	0.183
					1	5	24.47	22.57	0.181
3					0	23.82	21.92	0.156	
3					1	23.88	21.98	0.158	
3					3	23.87	21.97	0.157	
6					0	22.98	21.08	0.128	
1732.5		20175		1	0	23.77	21.87	0.154	
				1	3	24.24	22.34	0.171	
				1	5	24.23	22.33	0.171	
				3	0	23.52	21.62	0.145	
				3	1	23.78	21.88	0.154	
				3	3	23.69	21.79	0.151	
				6	0	22.74	20.84	0.121	
1754.3		20393		1	0	23.42	21.52	0.142	
				1	3	23.40	21.50	0.141	
				1	5	23.30	21.40	0.138	
				3	0	23.28	21.38	0.137	
				3	1	23.25	21.35	0.136	
				3	3	23.26	21.36	0.137	
6	0	22.66		20.76	0.119				

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1710.7	19957	1.4	1	0	22.98	21.08	0.128
				1	3	22.98	21.08	0.128
				1	5	22.98	21.08	0.128
				3	0	22.97	21.07	0.128
				3	1	22.68	20.78	0.120
				3	3	22.88	20.98	0.125
				6	0	22.84	20.94	0.124
	1732.5	20175		1	0	22.75	20.85	0.122
				1	3	22.75	20.85	0.122
				1	5	22.75	20.85	0.122
				3	0	22.64	20.74	0.119
				3	1	22.65	20.75	0.119
				3	3	22.75	20.85	0.122
				6	0	22.75	20.85	0.122
	1754.3	20393		1	0	22.54	20.64	0.116
				1	3	22.50	20.60	0.115
				1	5	22.33	20.43	0.110
				3	0	22.35	20.45	0.111
				3	1	22.35	20.45	0.111
				3	3	22.34	20.44	0.111
				6	0	22.40	20.50	0.112

Modulation	Carrier frequen- cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct- ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1711.5	19965	3	1	0	24.73	22.83	0.192
				1	8	24.46	22.56	0.180
				1	14	24.53	22.63	0.183
				8	0	23.64	21.74	0.149
				8	4	23.62	21.72	0.149
				8	7	23.63	21.73	0.149
				15	0	23.69	21.79	0.151
	1732.5	20175		1	0	24.50	22.60	0.182
				1	8	24.50	22.60	0.182
				1	14	24.48	22.58	0.181
				8	0	23.44	21.54	0.143
				8	4	23.44	21.54	0.143
				8	7	23.45	21.55	0.143
				15	0	23.45	21.55	0.143
	1753.5	20385		1	0	24.37	22.47	0.177
				1	8	24.35	22.45	0.176
				1	14	24.30	22.40	0.174
				8	0	23.23	21.33	0.136
				8	4	23.23	21.33	0.136
				8	7	23.23	21.33	0.136
				15	0	23.24	21.34	0.136
16QAM	1711.5	19965	1	0	24.23	22.33	0.171	
			1	8	24.07	22.17	0.165	
			1	14	24.06	22.16	0.164	
			8	0	23.16	21.26	0.134	
			8	4	23.05	21.15	0.130	
			8	7	23.04	21.14	0.130	
			15	0	22.88	20.98	0.125	
	1732.5	20175	1	0	24.32	22.42	0.175	
			1	8	24.33	22.43	0.175	
			1	14	24.20	22.30	0.170	
			8	0	22.65	20.75	0.119	
			8	4	22.66	20.76	0.119	
			8	7	22.63	20.73	0.118	
			15	0	22.53	20.63	0.116	
	1753.5	20385	1	0	23.08	21.18	0.131	
			1	8	23.08	21.18	0.131	
			1	14	22.97	21.07	0.128	
			8	0	22.53	20.63	0.116	
			8	4	22.53	20.63	0.116	
			8	7	22.53	20.63	0.116	
			15	0	22.47	20.57	0.114	

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1711.5	19965	3	1	0	22.88	20.98	0.125
				1	8	22.88	20.98	0.125
				1	14	22.89	20.99	0.126
				8	0	22.89	20.99	0.126
				8	4	22.88	20.98	0.125
				8	7	22.89	20.99	0.126
				15	0	22.89	20.99	0.126
	1732.5	20175		1	0	22.61	20.71	0.118
				1	8	22.61	20.71	0.118
				1	14	22.54	20.64	0.116
				8	0	22.58	20.68	0.117
				8	4	22.68	20.78	0.120
				8	7	22.62	20.72	0.118
				15	0	22.58	20.68	0.117
	1753.5	20385		1	0	22.39	20.49	0.112
				1	8	22.39	20.49	0.112
				1	14	22.31	20.41	0.110
				8	0	22.24	20.34	0.108
				8	4	22.39	20.49	0.112
				8	7	22.39	20.49	0.112
				15	0	22.38	20.48	0.112

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1712.5	19975	5	1	0	24.65	22.75	0.188
				1	12	24.59	22.69	0.186
				1	24	24.58	22.68	0.185
				12	0	23.75	21.85	0.153
				12	7	23.61	21.71	0.148
				12	13	23.61	21.71	0.148
				25	0	23.55	21.65	0.146
	1732.5	20175		1	0	24.63	22.73	0.187
				1	12	24.51	22.61	0.182
				1	24	24.62	22.72	0.187
				12	0	23.46	21.56	0.143
				12	7	23.47	21.57	0.144
				12	13	23.47	21.57	0.144
				25	0	23.47	21.57	0.144
	1752.5	20375		1	0	24.07	22.17	0.165
				1	12	23.90	22.00	0.158
				1	24	23.90	22.00	0.158
				12	0	23.22	21.32	0.136
				12	7	23.25	21.35	0.136
				12	13	23.25	21.35	0.136
				25	0	23.23	21.33	0.136
16QAM	1712.5	19975	1	0	22.99	21.09	0.129	
			1	12	22.96	21.06	0.128	
			1	24	22.97	21.07	0.128	
			12	0	22.81	20.91	0.123	
			12	7	22.67	20.77	0.119	
			12	13	22.67	20.77	0.119	
			25	0	22.73	20.83	0.121	
	1732.5	20175	1	0	23.56	21.66	0.147	
			1	12	23.45	21.55	0.143	
			1	24	23.68	21.78	0.151	
			12	0	22.63	20.73	0.118	
			12	7	22.53	20.63	0.116	
			12	13	22.53	20.63	0.116	
			25	0	22.61	20.71	0.118	
	1752.5	20375	1	0	22.84	20.94	0.124	
			1	12	22.84	20.94	0.124	
			1	24	22.84	20.94	0.124	
			12	0	22.23	20.33	0.108	
			12	7	22.17	20.27	0.106	
			12	13	22.17	20.27	0.106	
			25	0	22.23	20.33	0.108	

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	1712.5	19975	5	1	0	22.79	20.89	0.123
				1	12	22.73	20.83	0.121
				1	24	22.85	20.95	0.124
				12	0	22.74	20.84	0.121
				12	7	22.85	20.95	0.124
				12	13	22.86	20.96	0.125
				25	0	22.86	20.96	0.125
	1732.5	20175		1	0	22.60	20.70	0.117
				1	12	22.62	20.72	0.118
				1	24	22.61	20.71	0.118
				12	0	22.61	20.71	0.118
				12	7	22.62	20.72	0.118
				12	13	22.62	20.72	0.118
				25	0	22.62	20.72	0.118
	1752.5	20375		1	0	22.44	20.54	0.113
				1	12	22.43	20.53	0.113
				1	24	22.44	20.54	0.113
				12	0	22.23	20.33	0.108
				12	7	22.23	20.33	0.108
				12	13	22.23	20.33	0.108
				25	0	22.44	20.54	0.113

Modulation	Carrier frequen- cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct- ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1715	20000	10	1	0	24.62	22.72	0.187
				1	25	24.51	22.61	0.182
				1	49	24.49	22.59	0.182
				25	0	23.51	21.61	0.145
				25	12	23.68	21.78	0.151
				25	25	23.68	21.78	0.151
				50	0	23.54	21.64	0.146
	1732.5	20175		1	0	24.68	22.78	0.190
				1	25	24.63	22.73	0.187
				1	49	24.43	22.53	0.179
				25	0	23.57	21.67	0.147
				25	12	23.48	21.58	0.144
				25	25	23.48	21.58	0.144
				50	0	23.45	21.55	0.143
	1750	20350		1	0	24.37	22.47	0.177
				1	25	24.37	22.47	0.177
				1	49	24.36	22.46	0.176
				25	0	23.39	21.49	0.141
				25	12	23.33	21.43	0.139
				25	25	23.21	21.31	0.135
				50	0	23.34	21.44	0.139
16QAM	1715	20000	1	0	24.05	22.15	0.164	
			1	25	23.81	21.91	0.155	
			1	49	23.81	21.91	0.155	
			25	0	22.79	20.89	0.123	
			25	12	22.74	20.84	0.121	
			25	25	22.74	20.84	0.121	
			50	0	22.65	20.75	0.119	
	1732.5	20175	1	0	24.31	22.41	0.174	
			1	25	24.28	22.38	0.173	
			1	49	24.19	22.29	0.169	
			25	0	22.71	20.81	0.121	
			25	12	22.59	20.69	0.117	
			25	25	22.60	20.70	0.117	
			50	0	22.63	20.73	0.118	
	1750	20350	1	0	23.12	21.22	0.132	
			1	25	23.08	21.18	0.131	
			1	49	22.92	21.02	0.126	
			25	0	22.61	20.71	0.118	
			25	12	22.47	20.57	0.114	
			25	25	22.47	20.57	0.114	
			50	0	22.45	20.55	0.114	