

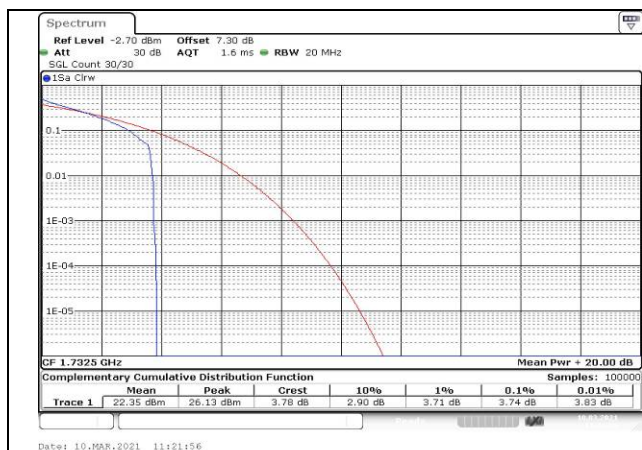


Fig.61

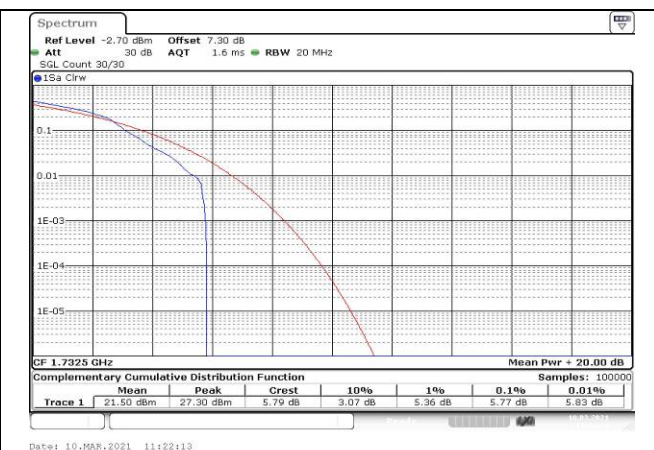


Fig.62

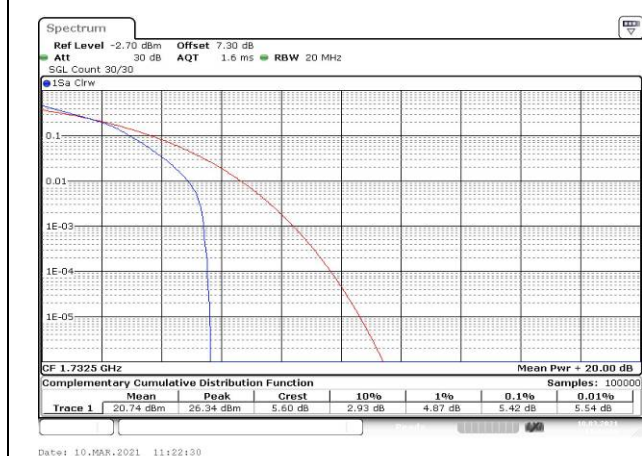


Fig.63

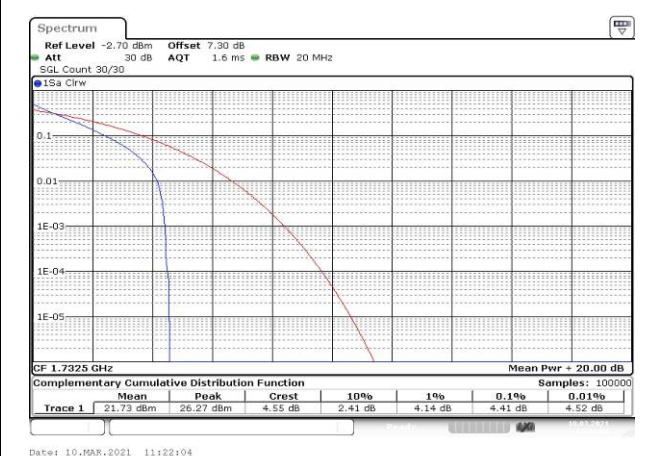


Fig.64

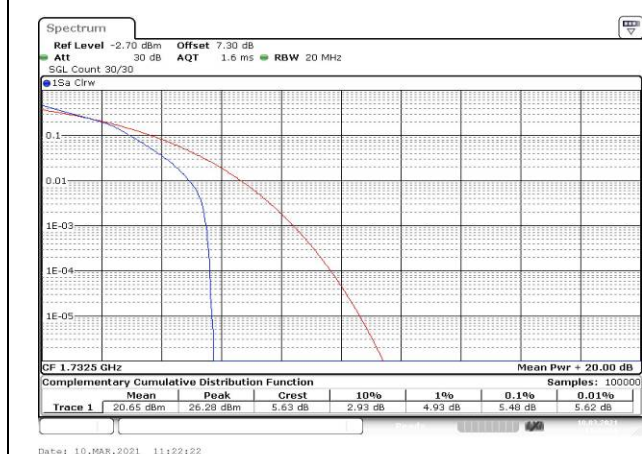


Fig.65

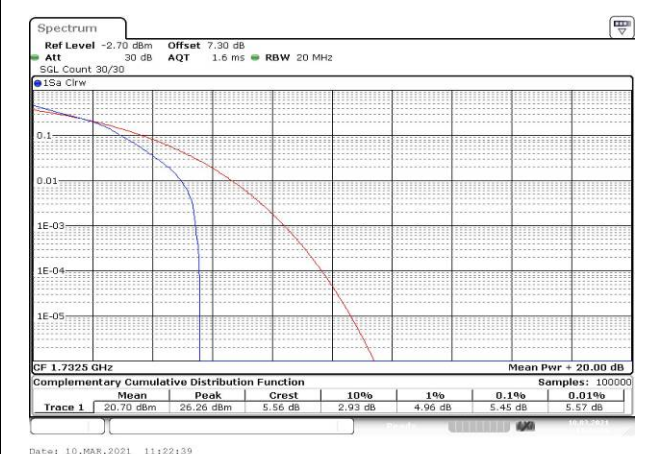


Fig.66

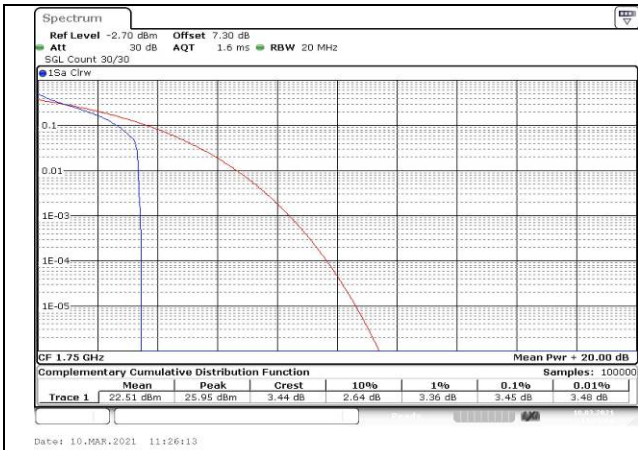


Fig.67

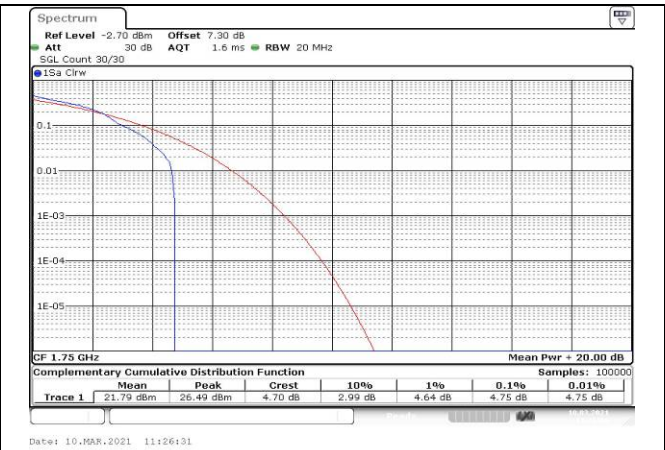


Fig.68

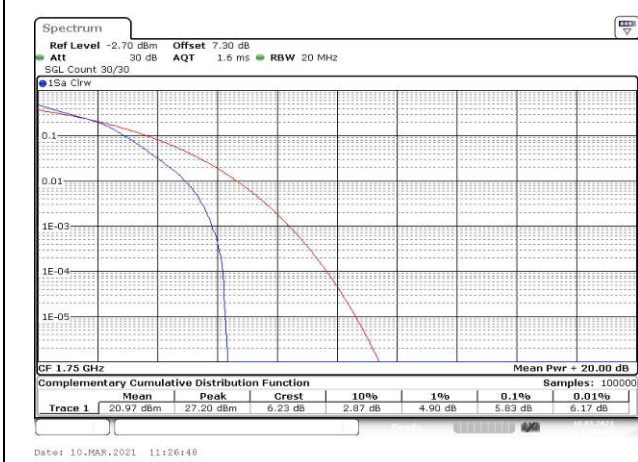


Fig.69

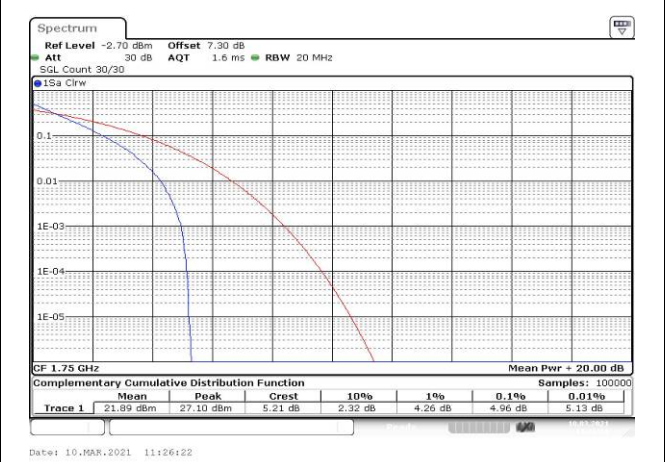


Fig.70

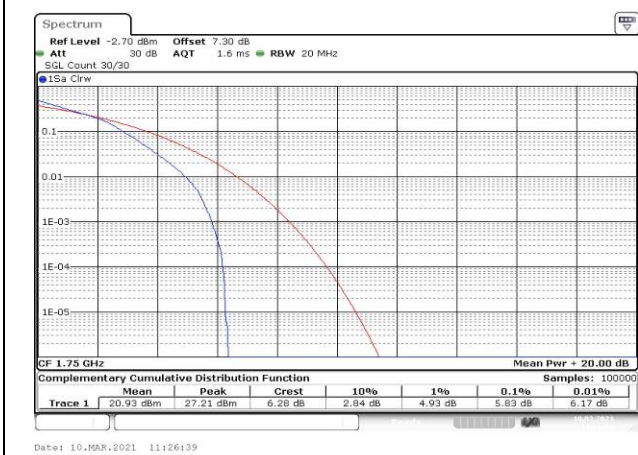


Fig.71

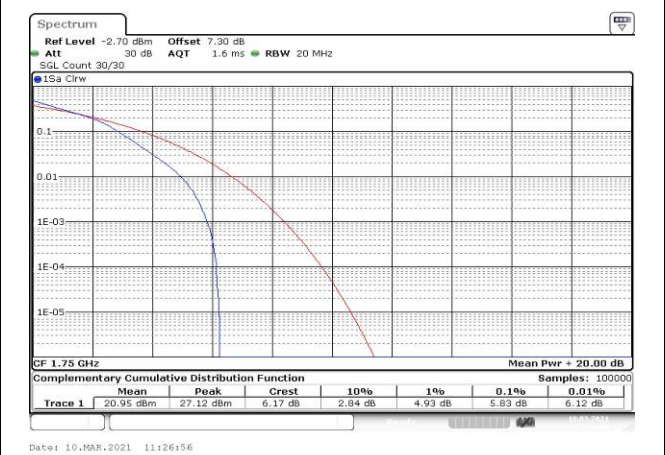


Fig.72

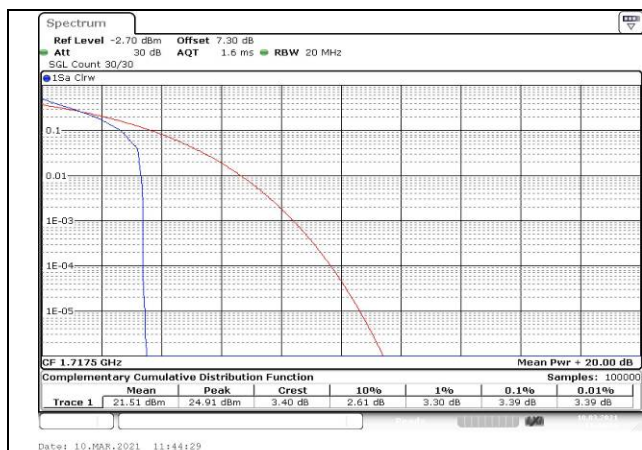


Fig.73

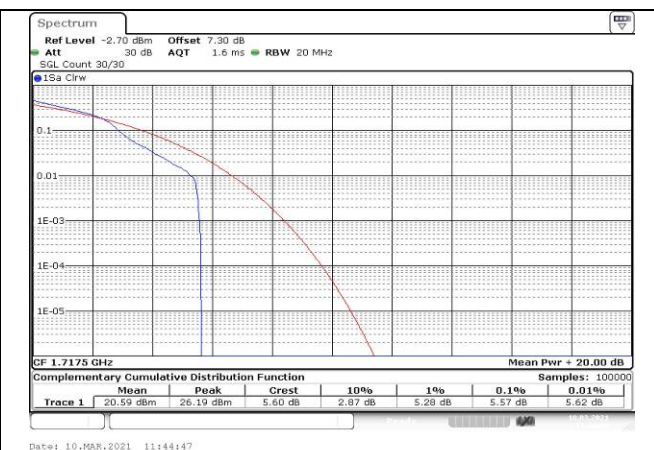


Fig.74

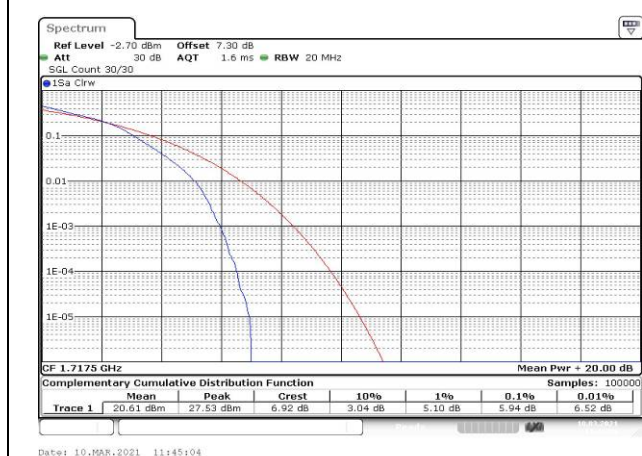


Fig.75

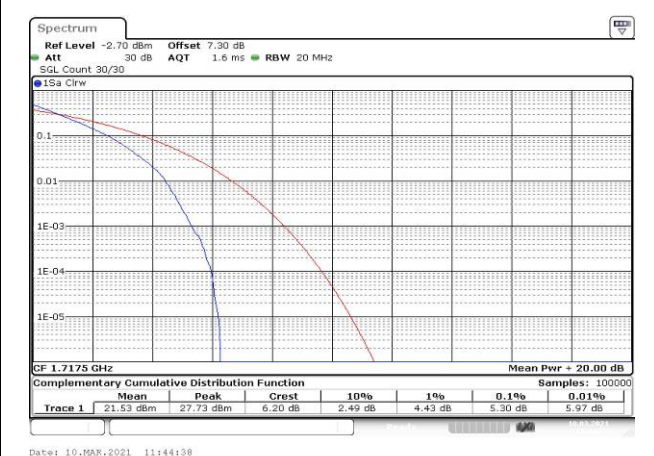


Fig.76

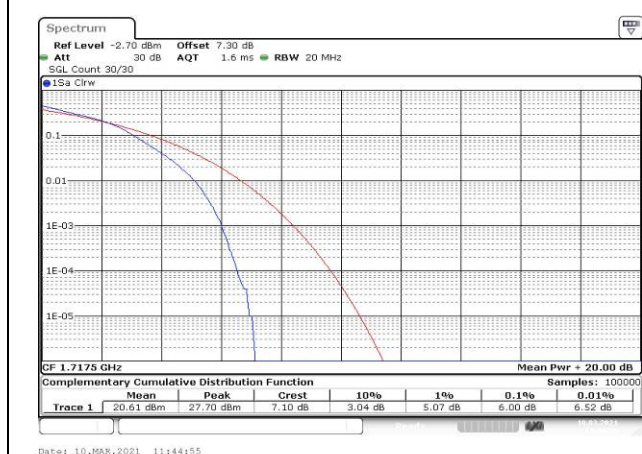


Fig.77

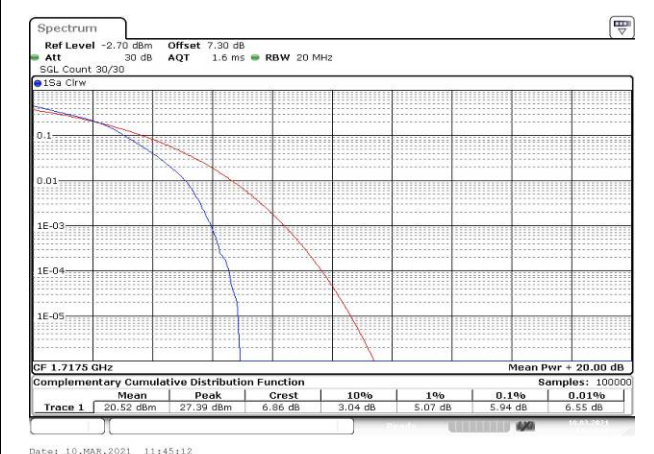


Fig.78

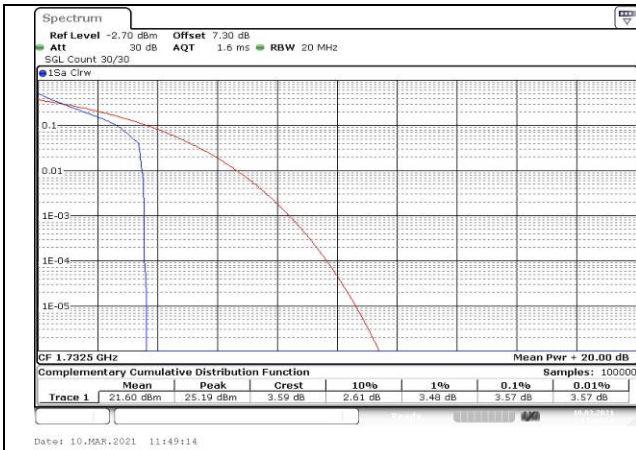


Fig.79

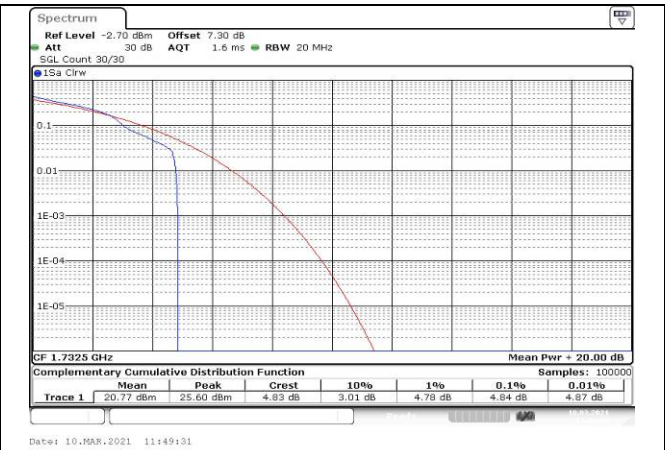


Fig.80

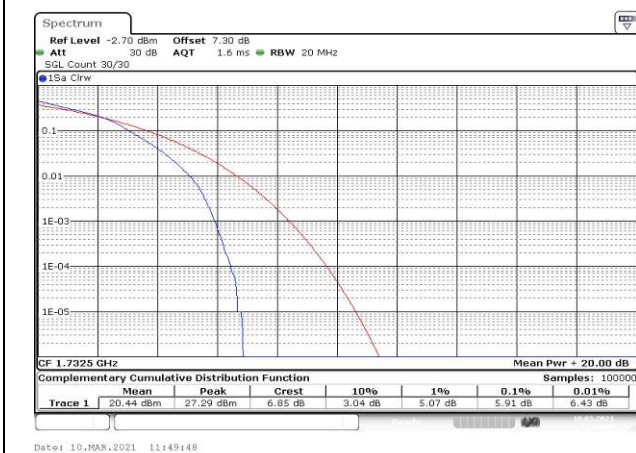


Fig.81

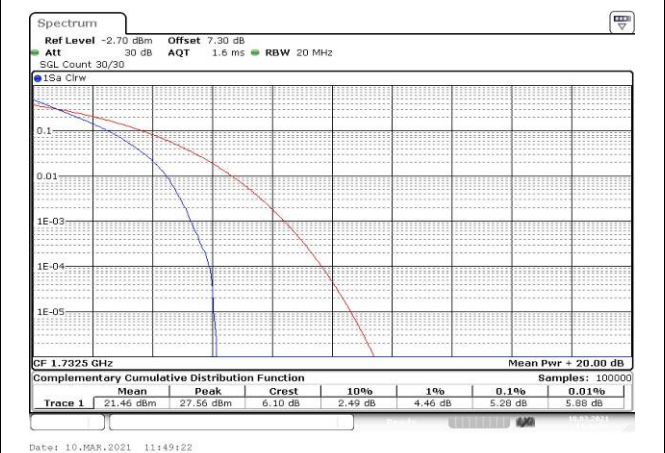


Fig.82

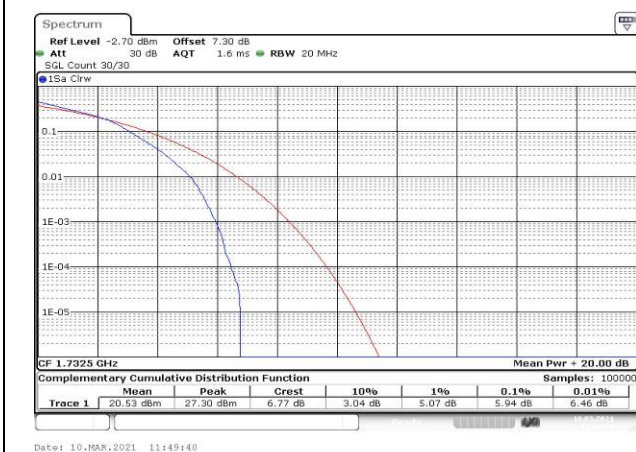


Fig.83

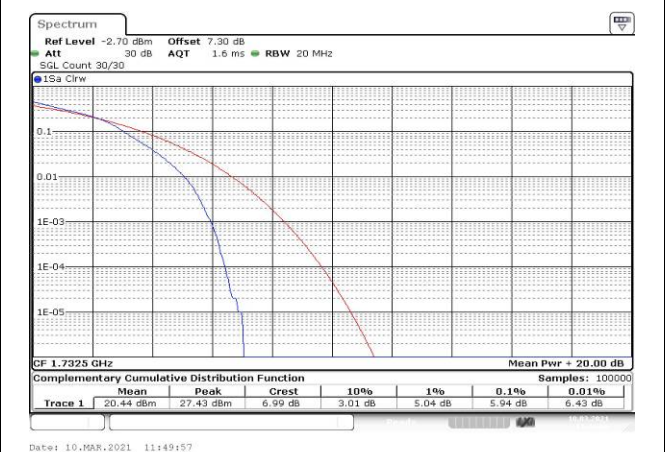


Fig.84

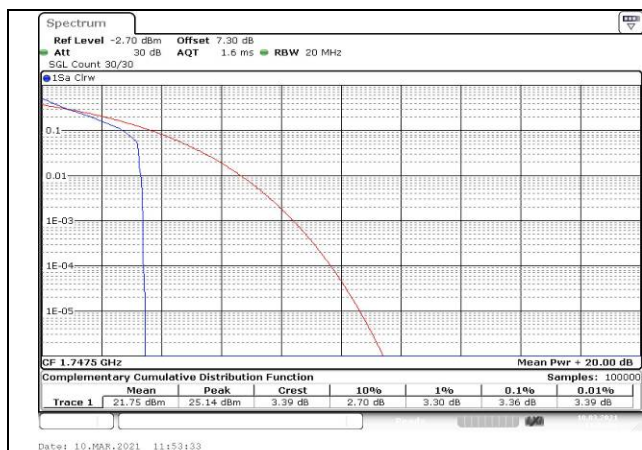


Fig.85

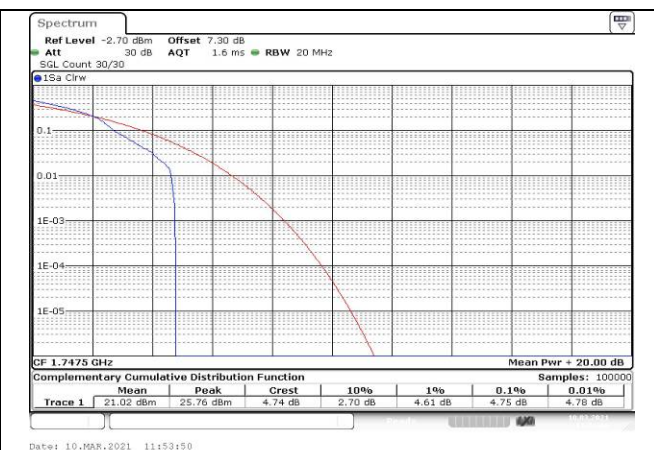


Fig.86

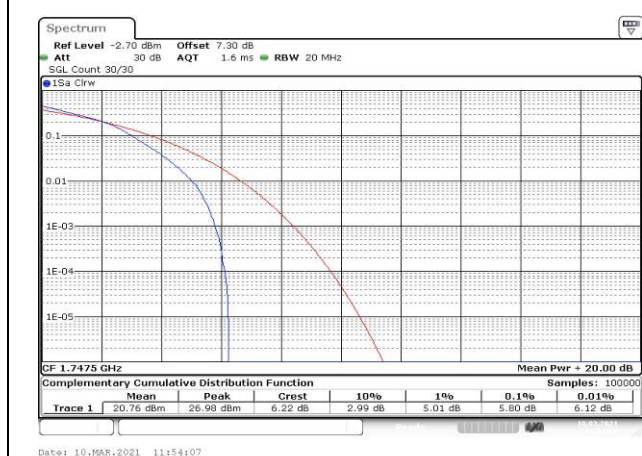


Fig.87

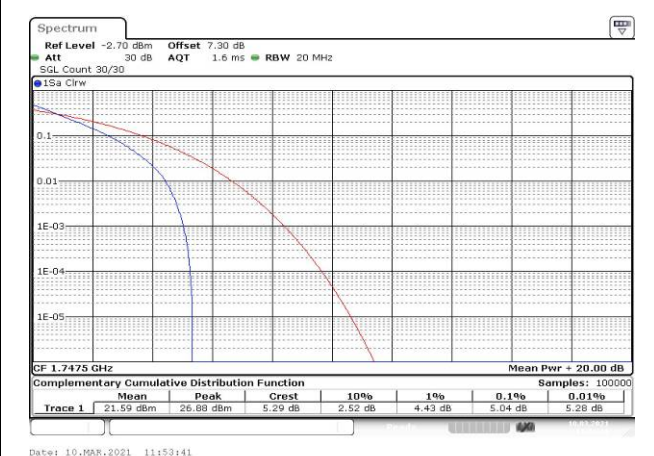


Fig.88

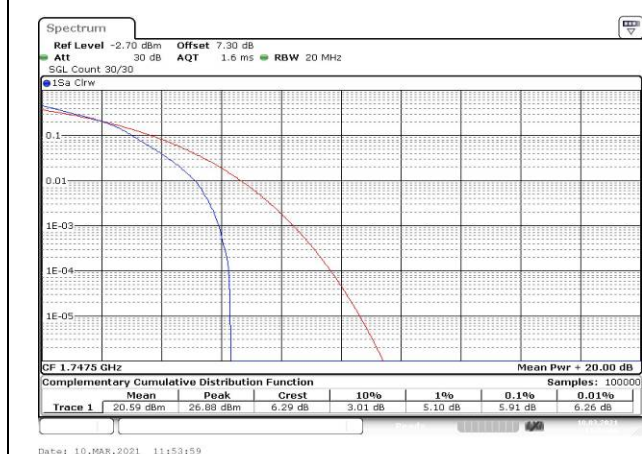


Fig.89

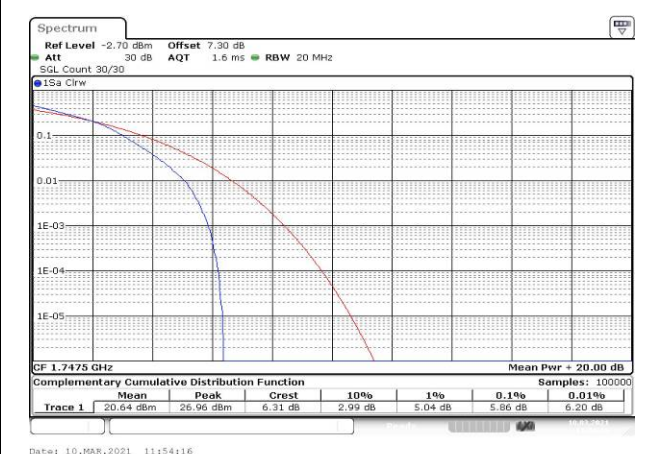


Fig.90

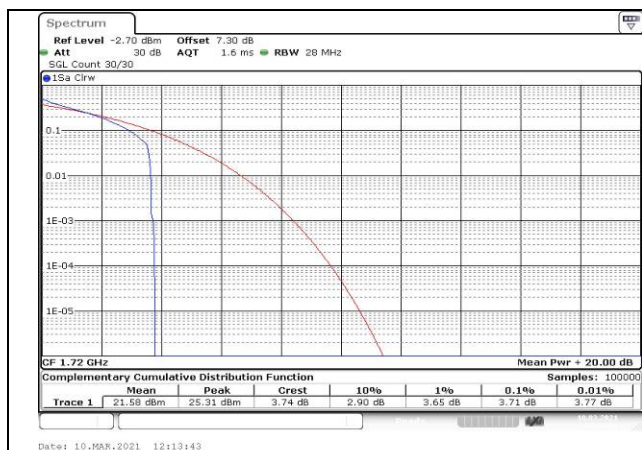


Fig.91

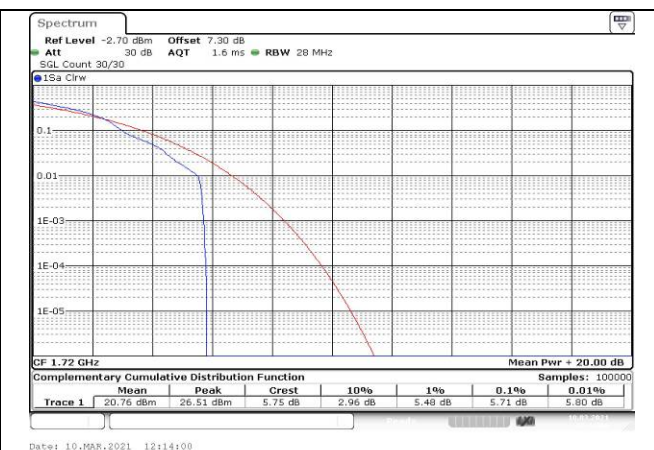


Fig.92

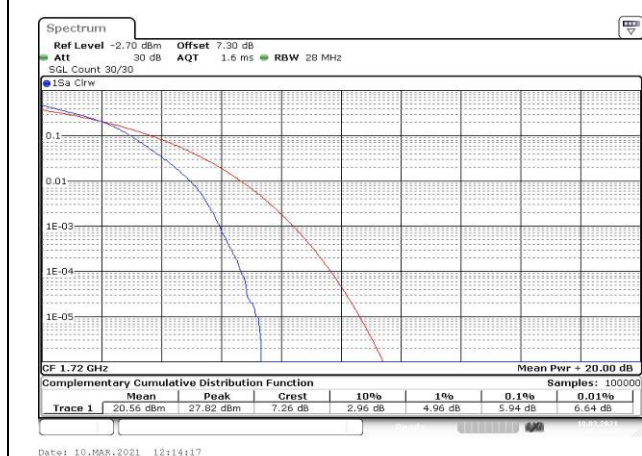


Fig.93

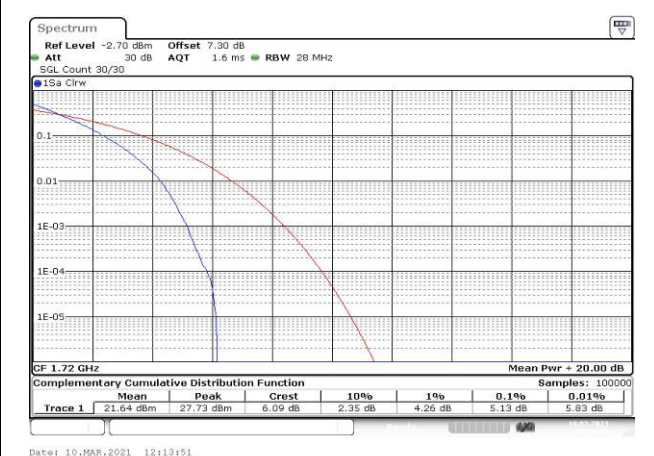


Fig.94

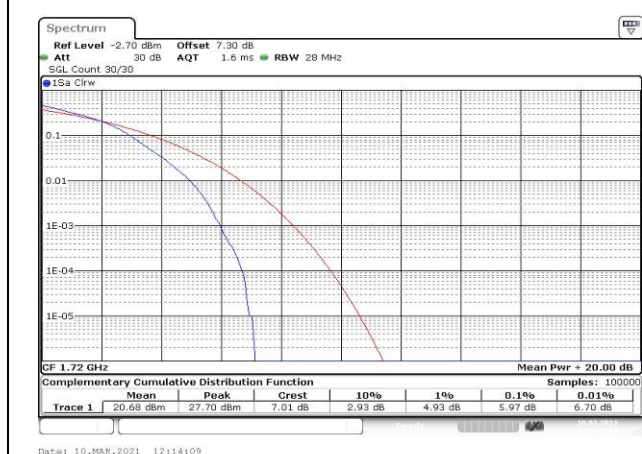


Fig.95

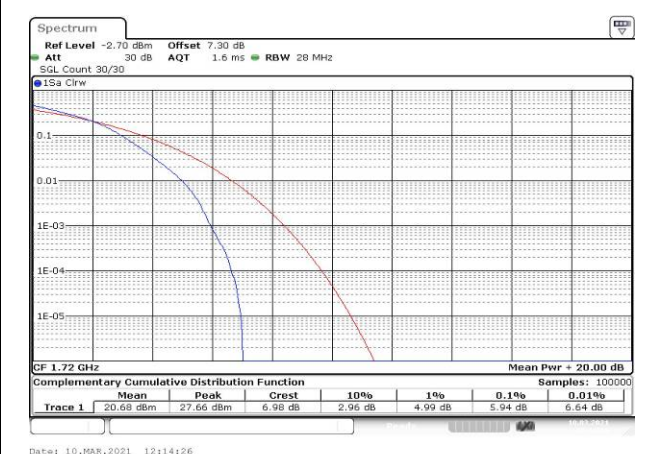


Fig.96



Fig.97

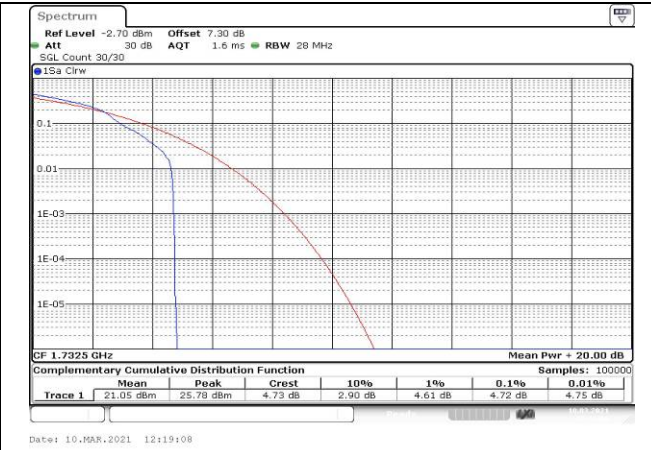


Fig.98

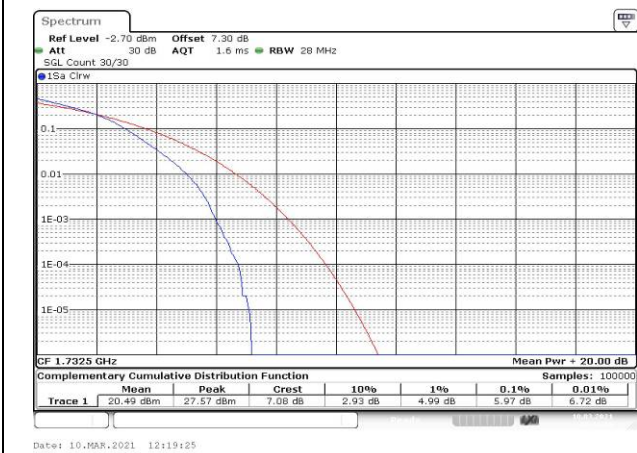


Fig.99

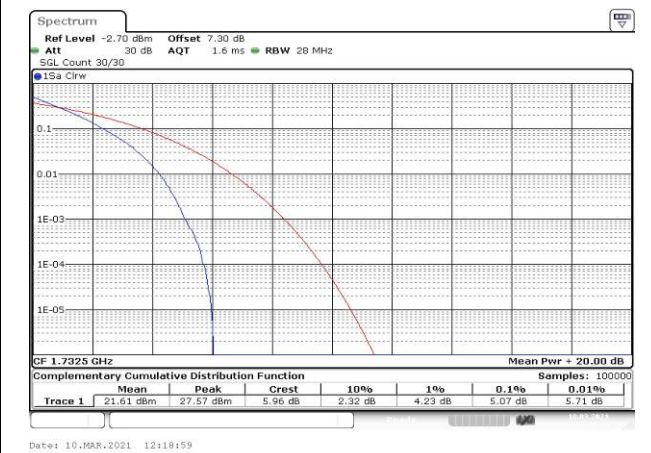


Fig.100

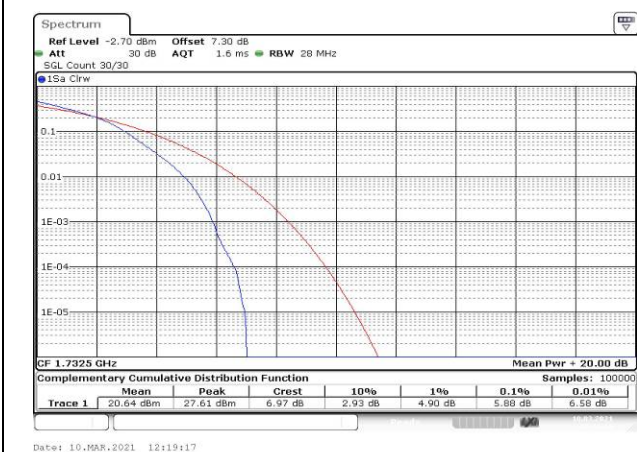


Fig.101

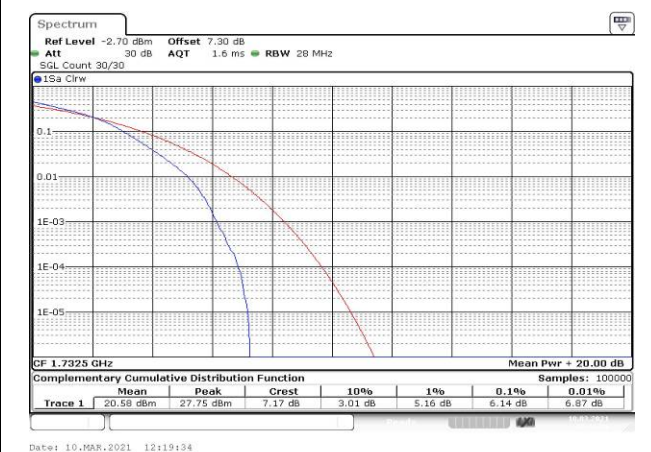


Fig.102

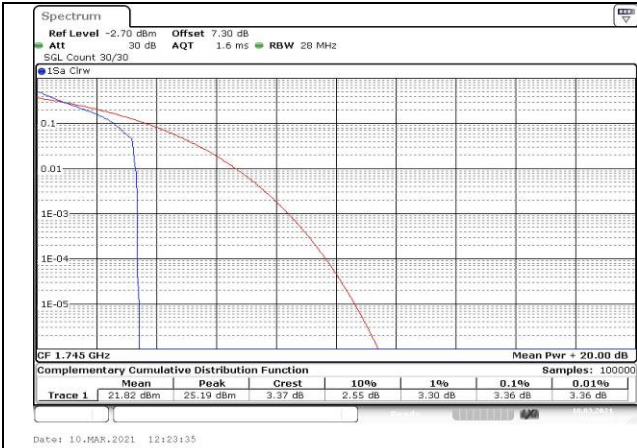


Fig.103

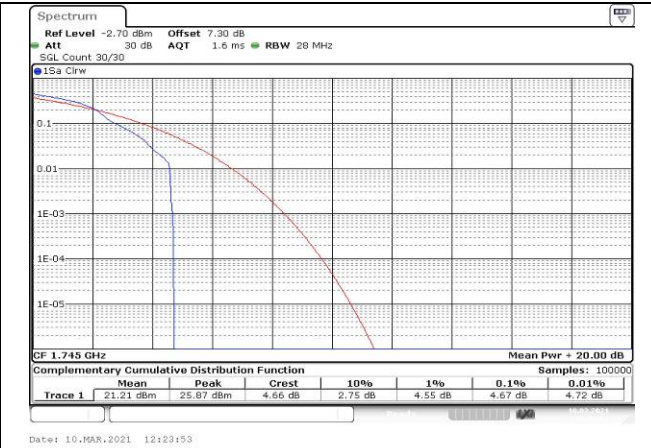


Fig.104

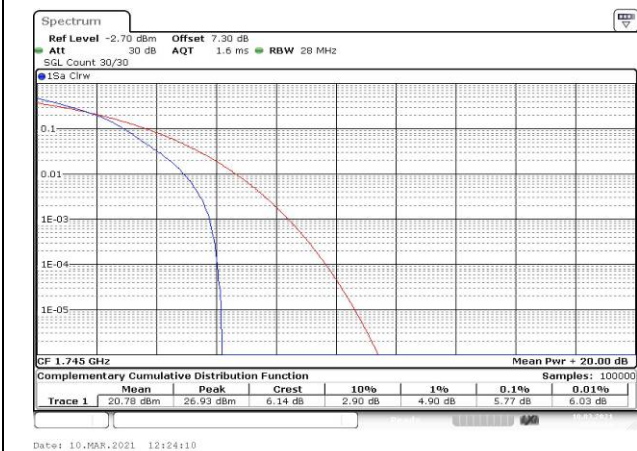


Fig.105

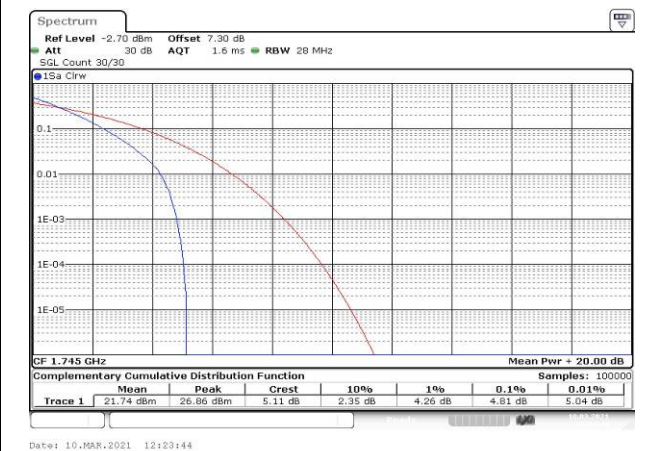


Fig.106

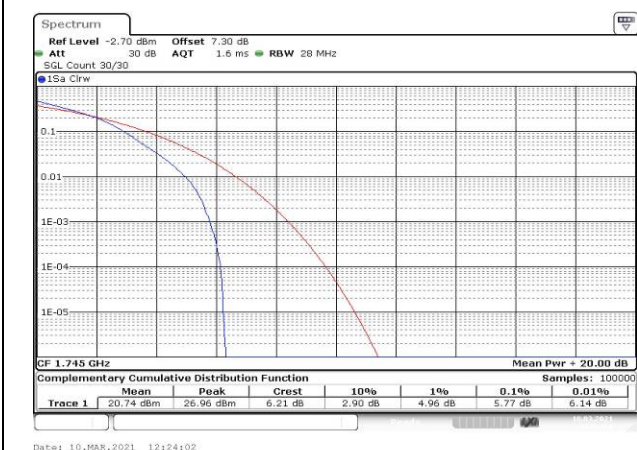


Fig.107

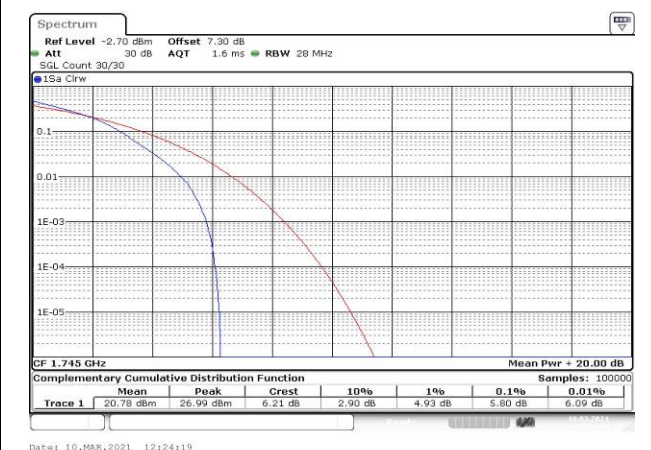


Fig.108

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

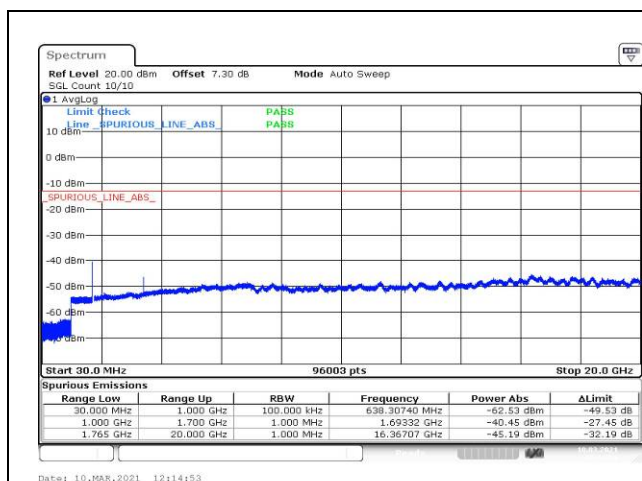


Fig.1

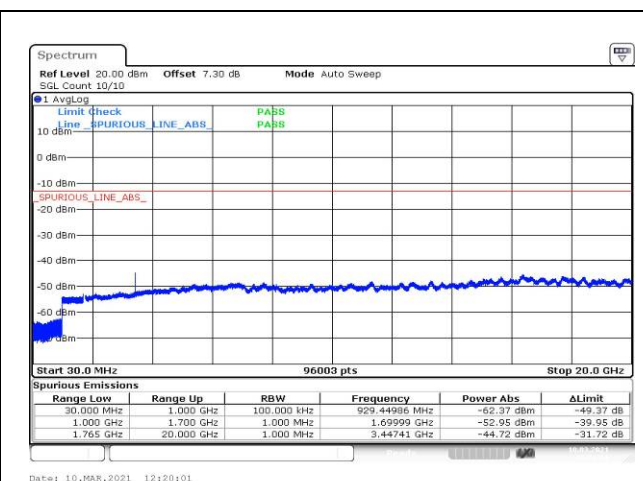


Fig.2

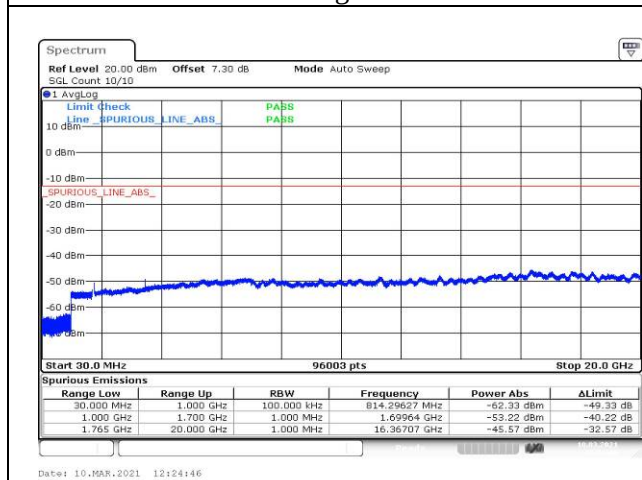


Fig.3

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

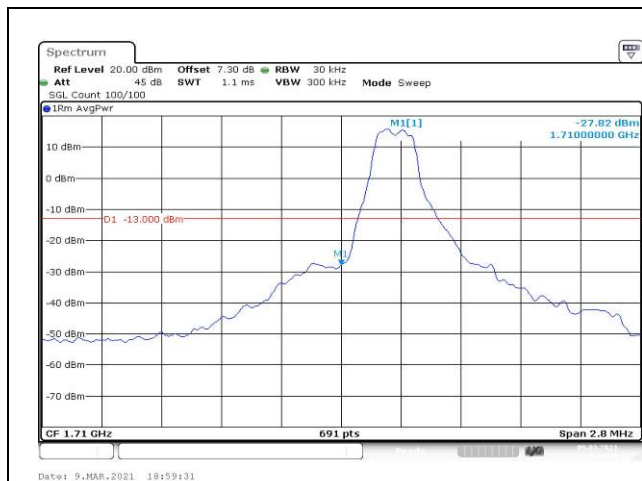


Fig.1

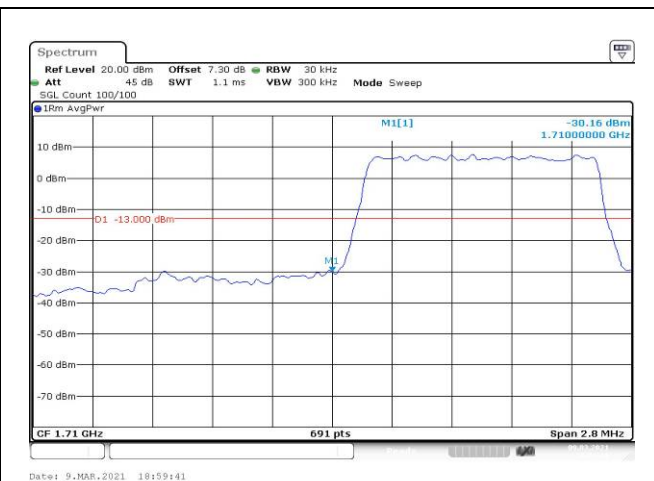


Fig.2

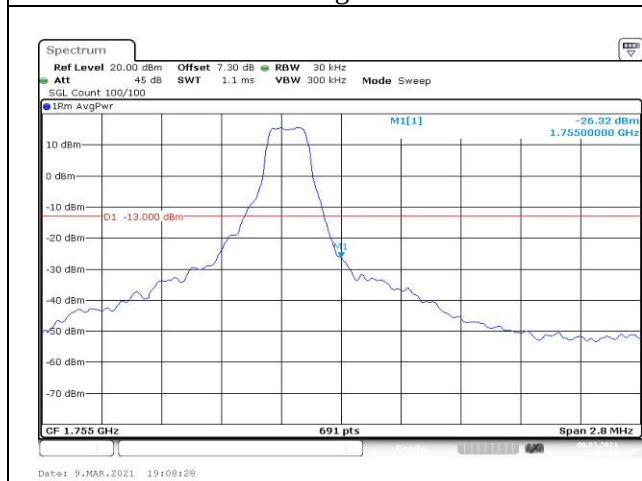


Fig.3

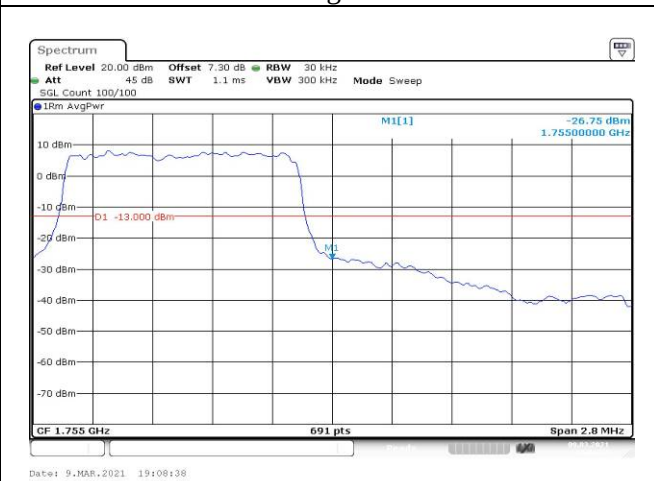


Fig.4

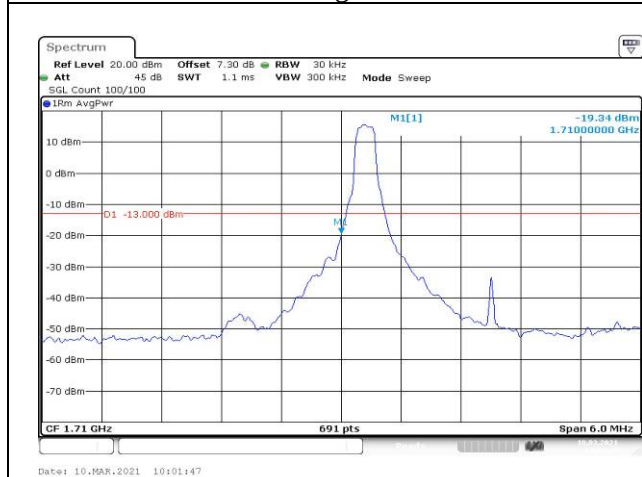


Fig.5

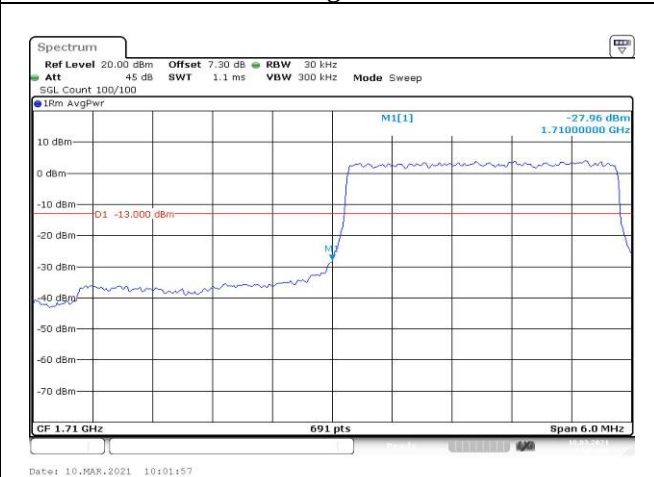


Fig.6

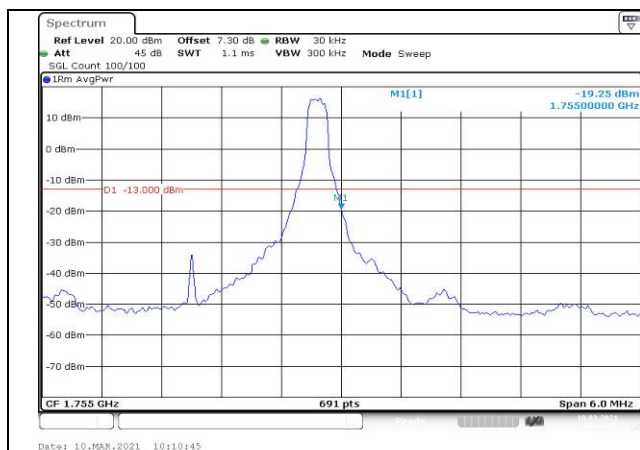


Fig.7

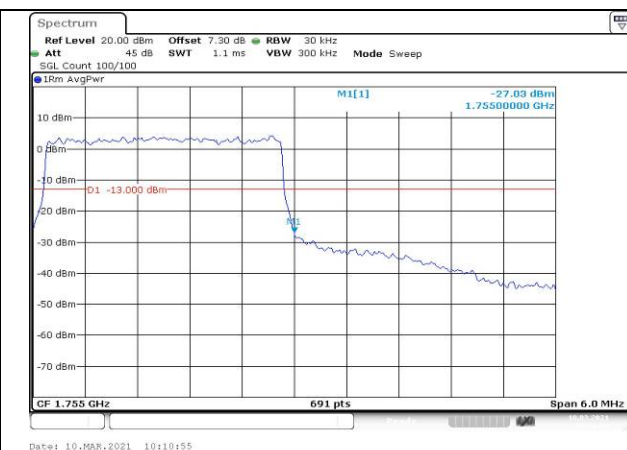


Fig.8

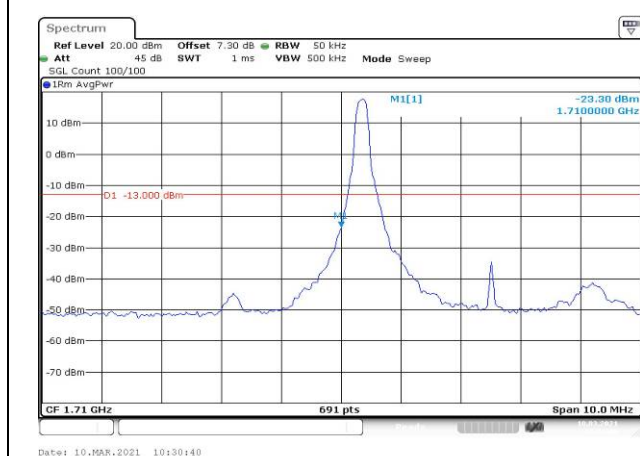


Fig.9

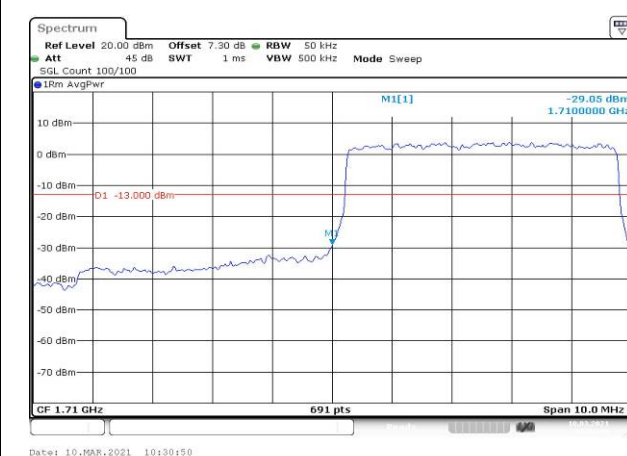


Fig.10

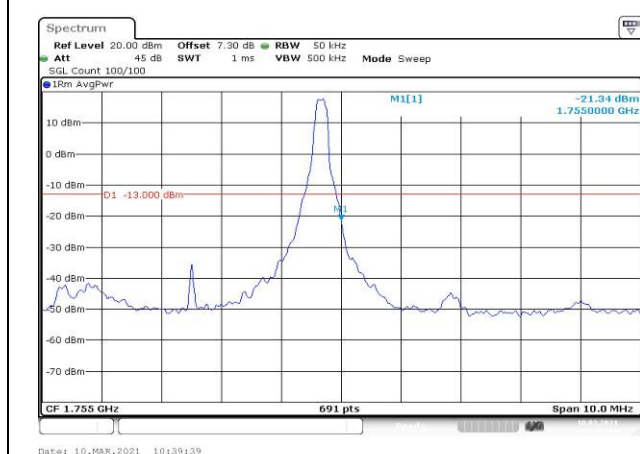


Fig.11

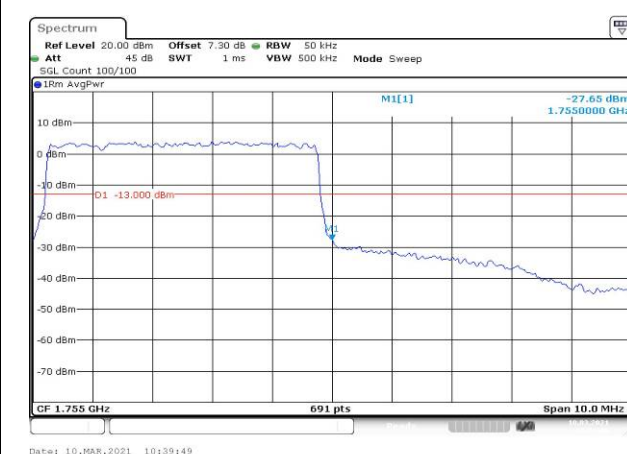


Fig.12

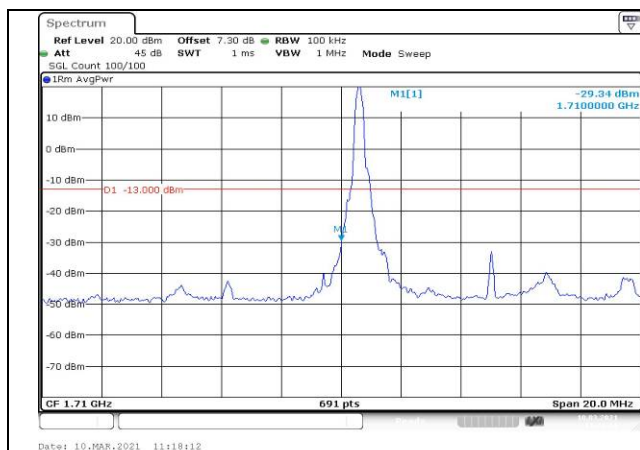


Fig.13

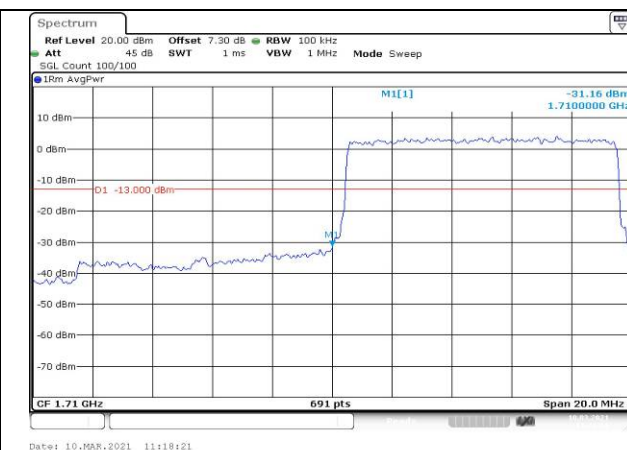


Fig.14

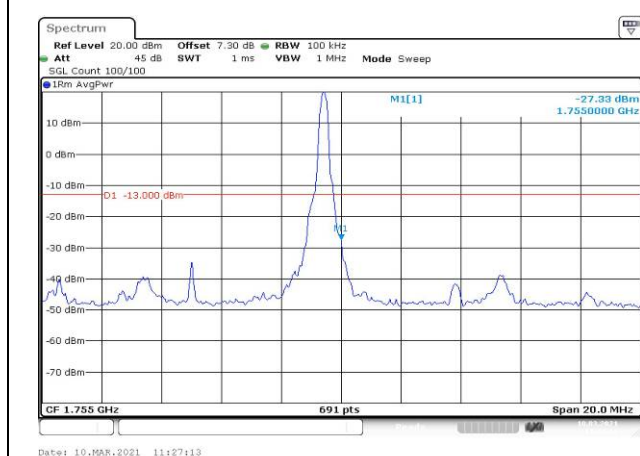


Fig.15



Fig.16

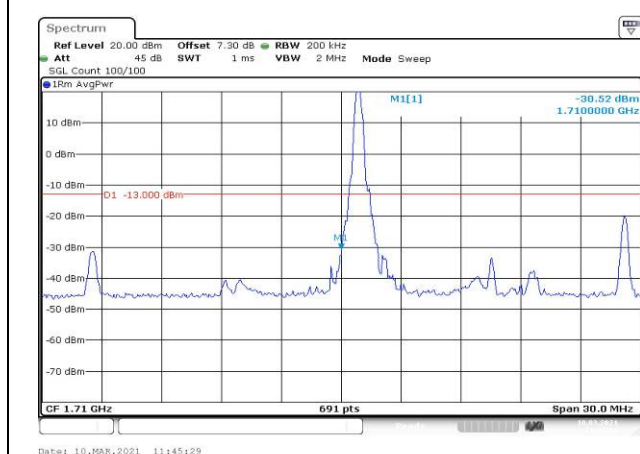


Fig.17

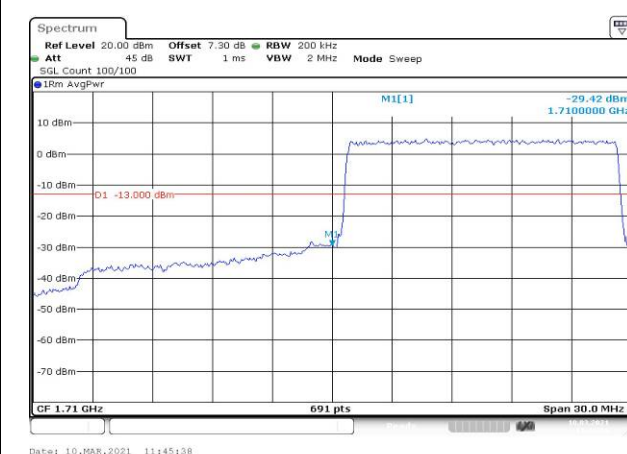


Fig.18

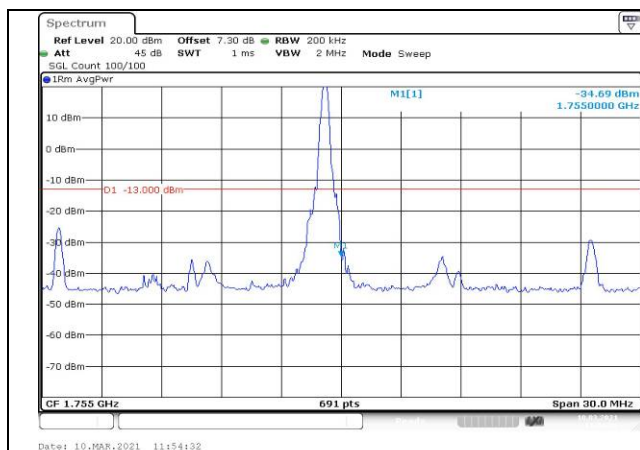


Fig.19

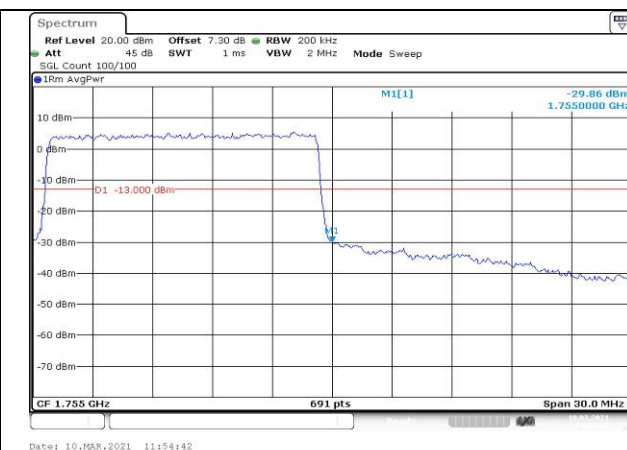


Fig.20

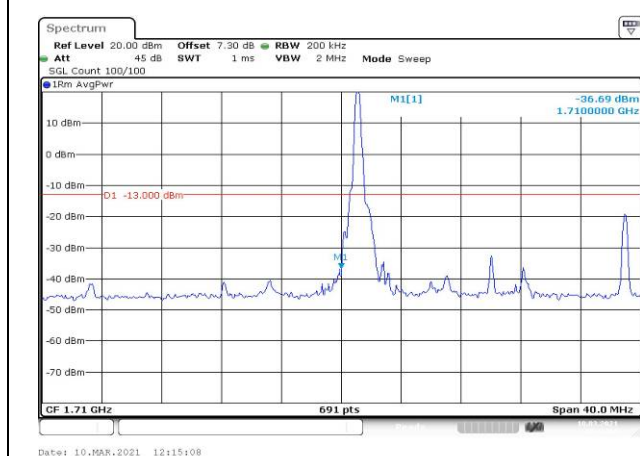


Fig.21

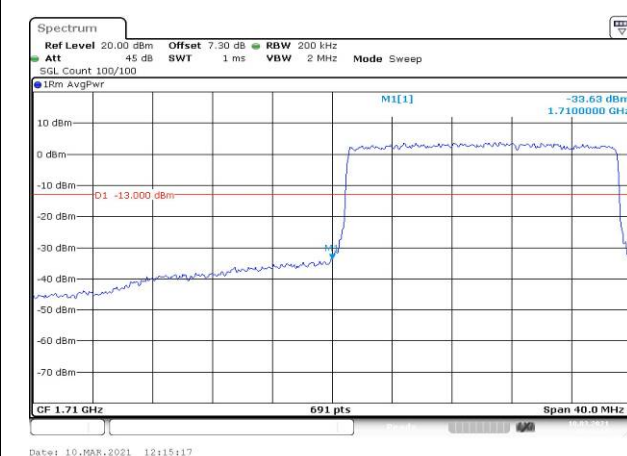


Fig.22

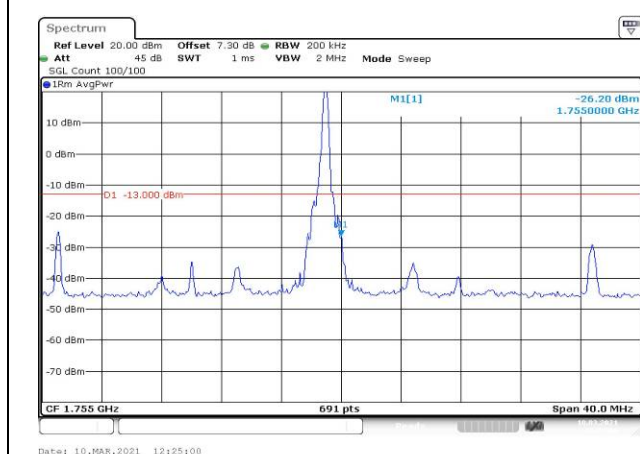


Fig.23

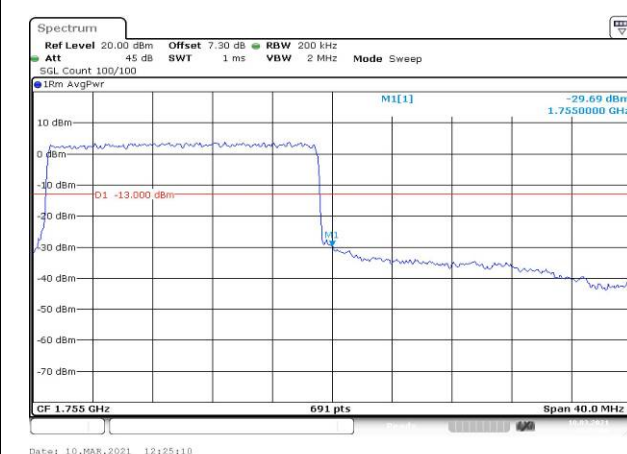


Fig.24

7 Frequency Stability

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

Temperature(°C)	Voltage	Test Result (ppm) Band4 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	-0.015	-0.006	0.001	-0.001	-0.006	-0.002
0	NV	-0.003	0.006	0.000	-0.005	0.001	0.003
+10	NV	0.010	0.004	0.001	-0.005	-0.002	0.001
+20	NV	0.000	0.000	0.000	0.000	0.000	0.000
+30	NV	0.005	0.004	-0.005	-0.004	-0.004	-0.002
+40	NV	0.004	-0.003	0.002	-0.009	-0.006	-0.004
+50	NV	0.003	-0.001	0.000	-0.002	0.003	-0.004
+55	NV	0.006	-0.005	0.001	-0.010	-0.003	-0.001
+20	LV	0.000	0.003	-0.003	-0.002	-0.002	0.006
+20	HV	-0.005	-0.004	0.004	-0.009	0.007	0.002

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	22.93	23.93	0.247	
				1	3	23.04	24.04	0.254	
				1	5	23.14	24.14	0.259	
				3	0	23.10	24.10	0.257	
				3	1	23.10	24.10	0.257	
				3	3	23.10	24.10	0.257	
				6	0	22.14	23.14	0.206	
	1732.5	20175		1	0	23.01	24.01	0.252	
				1	3	23.02	24.02	0.252	
				1	5	23.01	24.01	0.252	
				3	0	23.02	24.02	0.252	
				3	1	23.06	24.06	0.255	
				3	3	23.12	24.12	0.258	
				6	0	22.15	23.15	0.207	
	1754.3	20393		1	0	23.28	24.28	0.268	
				1	3	23.29	24.29	0.269	
				1	5	23.28	24.28	0.268	
				3	0	23.23	24.23	0.265	
				3	1	23.28	24.28	0.268	
				3	3	23.21	24.21	0.264	
				6	0	22.26	23.26	0.212	
	16QAM	1710.7		19957	1	0	22.28	23.28	0.213
					1	3	22.36	23.36	0.217
					1	5	22.26	23.26	0.212
3					0	22.09	23.09	0.204	
3					1	22.09	23.09	0.204	
3					3	22.12	23.12	0.205	
6					0	21.18	22.18	0.165	
1732.5		20175		1	0	22.17	23.17	0.207	
				1	3	22.21	23.21	0.209	
				1	5	22.31	23.31	0.214	
				3	0	22.32	23.32	0.215	
				3	1	22.30	23.30	0.214	
				3	3	22.19	23.19	0.208	
				6	0	21.02	22.02	0.159	
1754.3		20393		1	0	22.32	23.32	0.215	
				1	3	22.38	23.38	0.218	
				1	5	22.38	23.38	0.218	
				3	0	22.45	23.45	0.221	
				3	1	22.61	23.61	0.230	
				3	3	22.55	23.55	0.226	
				6	0	21.32	22.32	0.171	

Modulation	Carrier frequency (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	21.19	22.19	0.166
				1	3	21.21	22.21	0.166
				1	5	21.19	22.19	0.166
				3	0	21.24	22.24	0.167
				3	1	21.18	22.18	0.165
				3	3	21.21	22.21	0.166
				6	0	21.21	22.21	0.166
	1732.5	20175		1	0	21.08	22.08	0.161
				1	3	21.03	22.03	0.160
				1	5	21.08	22.08	0.161
				3	0	21.08	22.08	0.161
				3	1	21.02	22.02	0.159
				3	3	21.03	22.03	0.160
				6	0	21.08	22.08	0.161
	1754.3	20393		1	0	21.32	22.32	0.171
				1	3	21.33	22.33	0.171
				1	5	21.33	22.33	0.171
				3	0	21.33	22.33	0.171
				3	1	21.33	22.33	0.171
				3	3	21.33	22.33	0.171
				6	0	21.33	22.33	0.171
				6	0	21.33	22.33	0.171

Modulation	Carrier frequency (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	23.03	24.03	0.253
				1	8	23.12	24.12	0.258
				1	14	23.14	24.14	0.259
				8	0	22.24	23.24	0.211
				8	4	22.21	23.21	0.209
				8	7	22.21	23.21	0.209
				15	0	22.17	23.17	0.207
	1732.5	20175		1	0	23.08	24.08	0.256
				1	8	23.22	24.22	0.264
				1	14	23.21	24.21	0.264
				8	0	22.20	23.20	0.209
				8	4	22.22	23.22	0.210
				8	7	22.22	23.22	0.210
				15	0	22.20	23.20	0.209
	1753.5	20385		1	0	23.31	24.31	0.270
				1	8	23.37	24.37	0.274
				1	14	23.37	24.37	0.274
				8	0	22.38	23.38	0.218
				8	4	22.40	23.40	0.219
				8	7	22.43	23.43	0.220
				15	0	22.43	23.43	0.220
16QAM	1711.5	19965		1	0	22.82	23.82	0.241
				1	8	22.77	23.77	0.238
				1	14	22.88	23.88	0.244
				8	0	21.39	22.39	0.173
				8	4	21.40	22.40	0.174
				8	7	21.40	22.40	0.174
				15	0	21.30	22.30	0.170
	1732.5	20175	1	0	22.29	23.29	0.213	
			1	8	22.40	23.40	0.219	
			1	14	22.29	23.29	0.213	
			8	0	21.19	22.19	0.166	
			8	4	21.25	22.25	0.168	
			8	7	21.22	22.22	0.167	
			15	0	21.11	22.11	0.163	
	1753.5	20385	1	0	22.50	23.50	0.224	
			1	8	22.51	23.51	0.224	
			1	14	22.51	23.51	0.224	
			8	0	21.46	22.46	0.176	
			8	4	21.42	22.42	0.175	
			8	7	21.41	22.41	0.174	
			15	0	21.47	22.47	0.177	

Modulation	Carrier frequern 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	21.30	22.30	0.170
				1	8	21.36	22.36	0.172
				1	14	21.29	22.29	0.169
				8	0	21.30	22.30	0.170
				8	4	21.30	22.30	0.170
				8	7	21.30	22.30	0.170
				15	0	21.30	22.30	0.170
	1732.5	20175		1	0	21.11	22.11	0.163
				1	8	21.12	22.12	0.163
				1	14	21.11	22.11	0.163
				8	0	21.11	22.11	0.163
				8	4	21.12	22.12	0.163
				8	7	21.12	22.12	0.163
				15	0	21.12	22.12	0.163
	1753.5	20385		1	0	21.46	22.46	0.176
				1	8	21.46	22.46	0.176
				1	14	21.47	22.47	0.177
				8	0	21.47	22.47	0.177
				8	4	21.47	22.47	0.177
				8	7	21.53	22.53	0.179
				15	0	21.47	22.47	0.177

Modulation	Carrier frequency (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	23.01	24.01	0.252
				1	12	23.08	24.08	0.256
				1	24	23.11	24.11	0.258
				12	0	22.25	23.25	0.211
				12	7	22.20	23.20	0.209
				12	13	22.20	23.20	0.209
				25	0	22.19	23.19	0.208
	1732.5	20175		1	0	23.04	24.04	0.254
				1	12	23.25	24.25	0.266
				1	24	23.25	24.25	0.266
				12	0	22.10	23.10	0.204
				12	7	22.24	23.24	0.211
				12	13	22.20	23.20	0.209
				25	0	22.15	23.15	0.207
	1752.5	20375		1	0	23.32	24.32	0.270
				1	12	23.37	24.37	0.274
				1	24	23.36	24.36	0.273
				12	0	22.38	23.38	0.218
				12	7	22.43	23.43	0.220
				12	13	22.44	23.44	0.221
				25	0	22.36	23.36	0.217
16QAM	1712.5	19975		1	0	22.51	23.51	0.224
				1	12	22.50	23.50	0.224
				1	24	22.50	23.50	0.224
				12	0	21.34	22.34	0.171
				12	7	21.31	22.31	0.170
				12	13	21.32	22.32	0.171
				25	0	21.23	22.23	0.167
	1732.5	20175	1	0	22.30	23.30	0.214	
			1	12	22.33	23.33	0.215	
			1	24	22.19	23.19	0.208	
			12	0	21.08	22.08	0.161	
			12	7	21.24	22.24	0.167	
			12	13	21.30	22.30	0.170	
			25	0	21.24	22.24	0.167	
	1752.5	20375	1	0	22.39	23.39	0.218	
			1	12	22.39	23.39	0.218	
			1	24	22.39	23.39	0.218	
			12	0	21.36	22.36	0.172	
			12	7	21.43	22.43	0.175	
			12	13	21.44	22.44	0.175	
			25	0	21.52	22.52	0.179	

Modulation	Carrier frequency (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	21.31	22.31	0.170
				1	12	21.22	22.22	0.167
				1	24	21.26	22.26	0.168
				12	0	21.23	22.23	0.167
				12	7	21.28	22.28	0.169
				12	13	21.33	22.33	0.171
				25	0	21.29	22.29	0.169
	1732.5	20175		1	0	21.15	22.15	0.164
				1	12	21.24	22.24	0.167
				1	24	21.19	22.19	0.166
				12	0	21.24	22.24	0.167
				12	7	21.22	22.22	0.167
				12	13	21.23	22.23	0.167
				25	0	21.20	22.20	0.166
	1752.5	20375		1	0	21.49	22.49	0.177
				1	12	21.48	22.48	0.177
				1	24	21.47	22.47	0.177
				12	0	21.49	22.49	0.177
				12	7	21.50	22.50	0.178
				12	13	21.49	22.49	0.177
				25	0	21.45	22.45	0.176

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	22.94	23.94	0.248
				1	25	23.04	24.04	0.254
				1	49	22.92	23.92	0.247
				25	0	22.18	23.18	0.208
				25	12	22.13	23.13	0.206
				25	25	22.18	23.18	0.208
				50	0	22.21	23.21	0.209
	1732.5	20175		1	0	23.12	24.12	0.258
				1	25	23.03	24.03	0.253
				1	49	23.24	24.24	0.265
				25	0	22.11	23.11	0.205
				25	12	22.26	23.26	0.212
				25	25	22.25	23.25	0.211
				50	0	22.14	23.14	0.206
	1750	20350		1	0	23.26	24.26	0.267
				1	25	23.25	24.25	0.266
				1	49	23.21	24.21	0.264
				25	0	22.25	23.25	0.211
				25	12	22.35	23.35	0.216
				25	25	22.41	23.41	0.219
				50	0	22.25	23.25	0.211
16QAM	1715	20000		1	0	22.47	23.47	0.222
				1	25	22.28	23.28	0.213
				1	49	22.25	23.25	0.211
				25	0	21.22	22.22	0.167
				25	12	21.25	22.25	0.168
				25	25	21.23	22.23	0.167
				50	0	21.28	22.28	0.169
	1732.5	20175		1	0	22.26	23.26	0.212
				1	25	22.27	23.27	0.212
				1	49	22.34	23.34	0.216
				25	0	21.21	22.21	0.166
				25	12	21.39	22.39	0.173
				25	25	21.30	22.30	0.170
				50	0	21.21	22.21	0.166
	1750	20350		1	0	22.81	23.81	0.240
				1	25	22.89	23.89	0.245
				1	49	22.89	23.89	0.245
				25	0	21.36	22.36	0.172
				25	12	21.53	22.53	0.179
				25	25	21.53	22.53	0.179
				50	0	21.26	22.26	0.168