



Fig.61

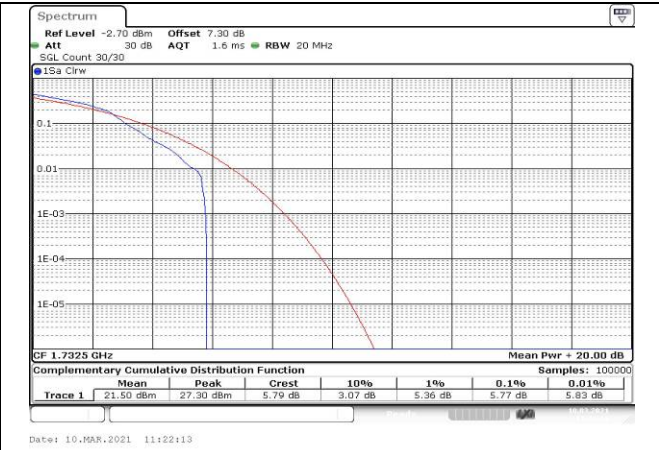


Fig.62

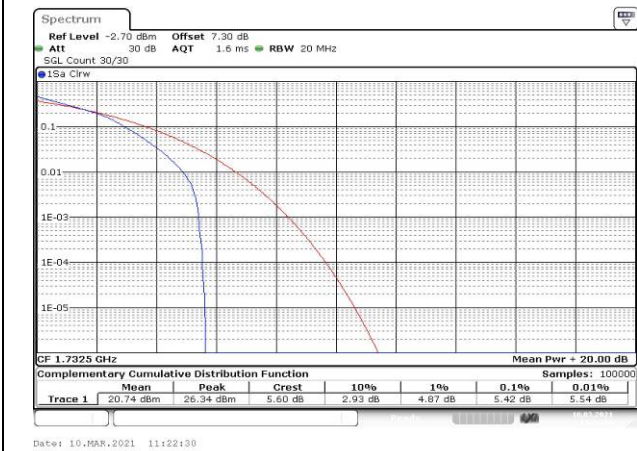


Fig.63

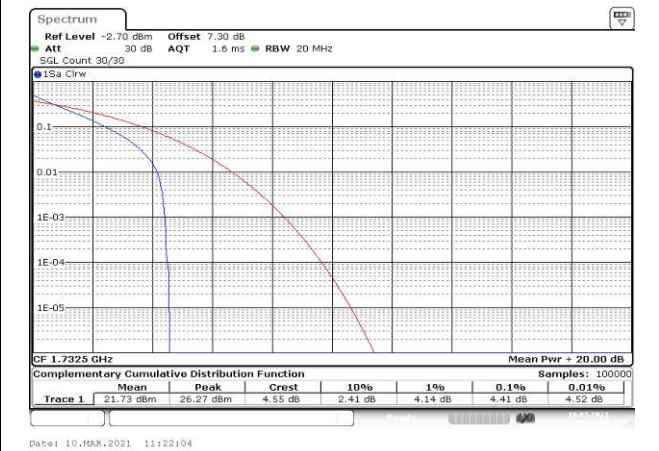


Fig.64

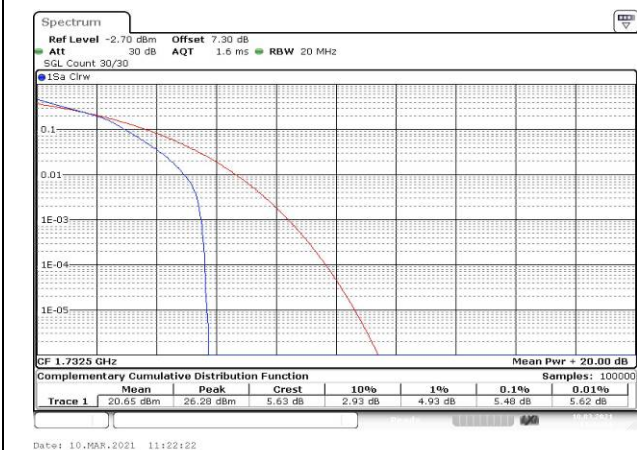


Fig.65

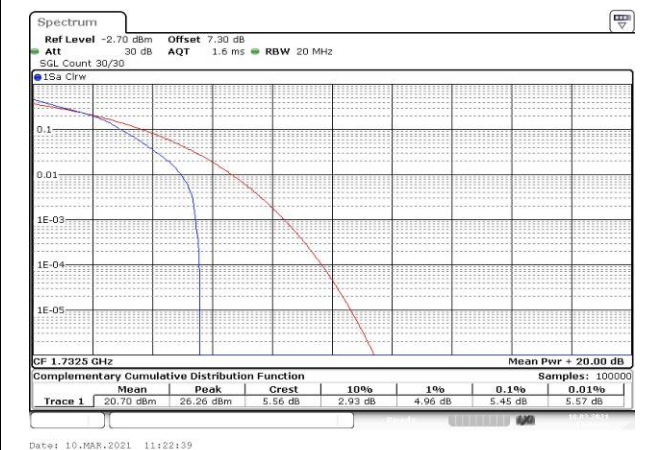


Fig.66



Fig.67

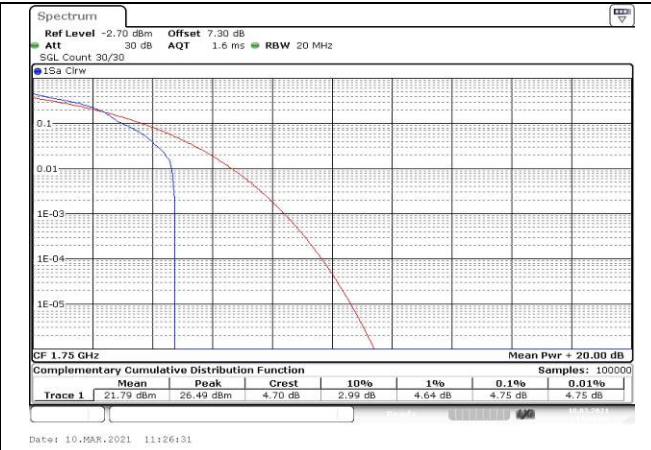


Fig.68

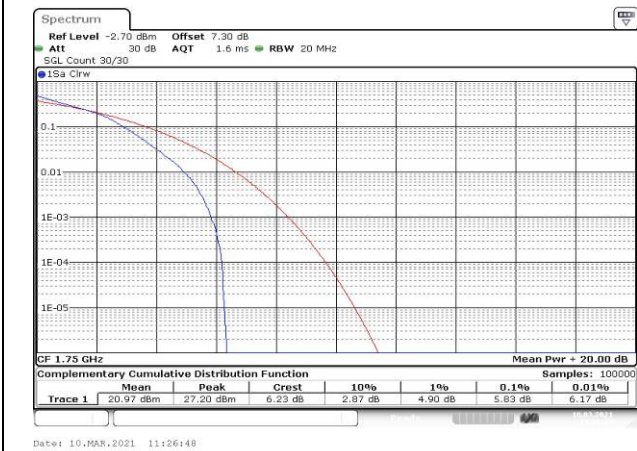


Fig.69

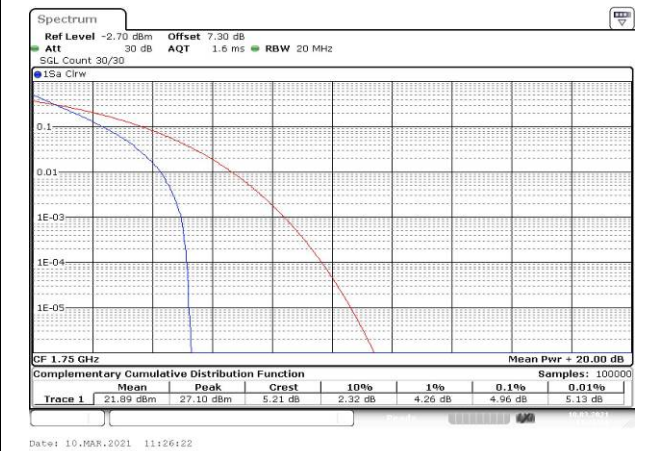


Fig.70

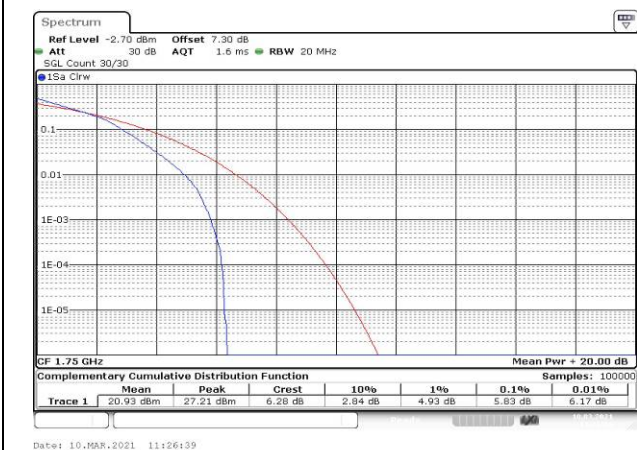


Fig.71

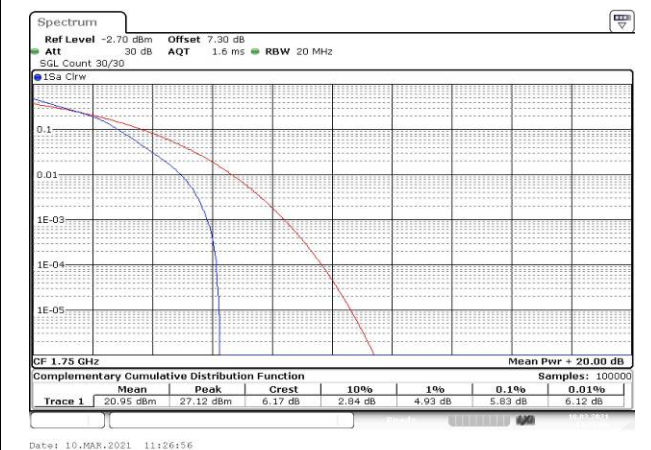


Fig.72

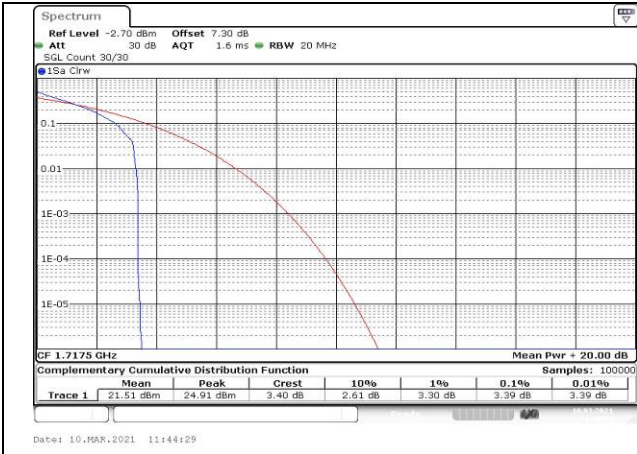


Fig.73

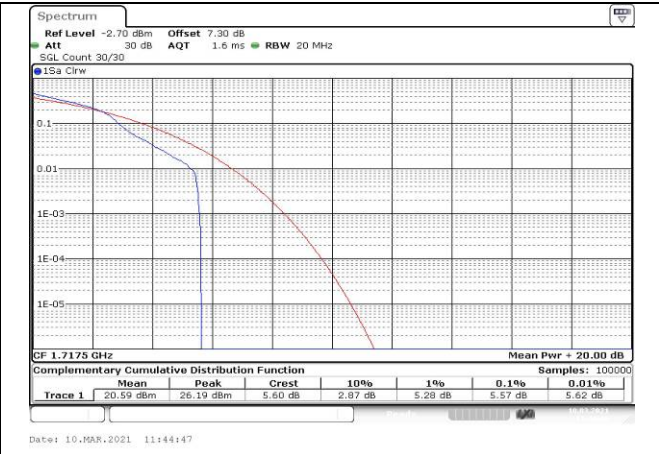


Fig.74



Fig.75

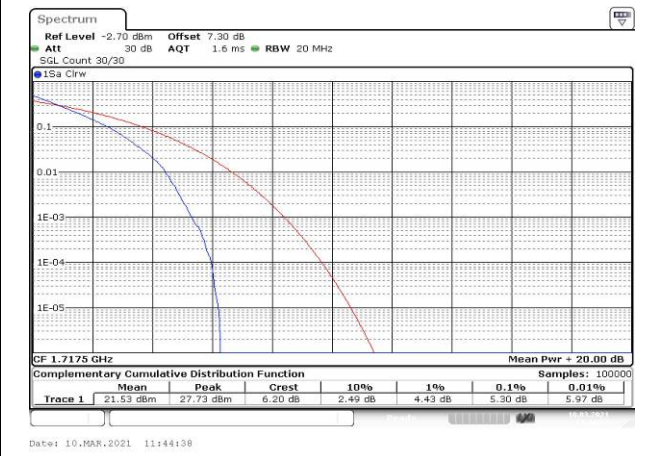


Fig.76

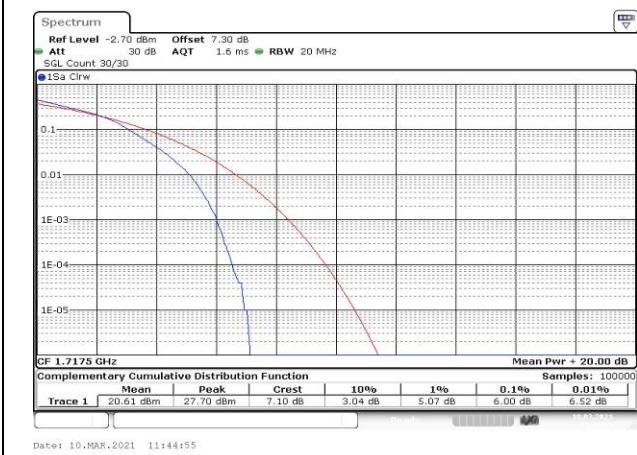


Fig.77

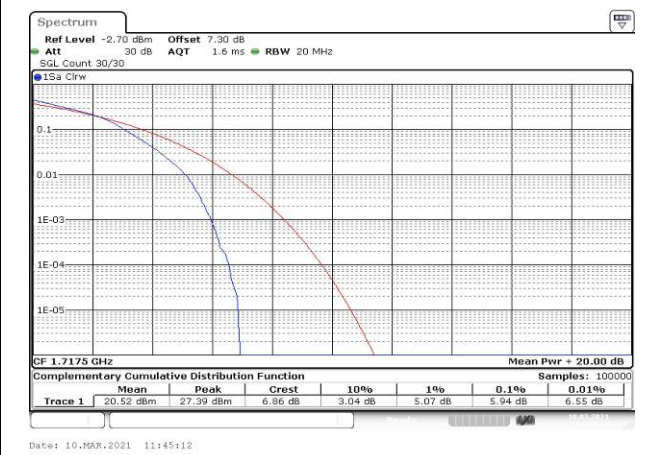


Fig.78

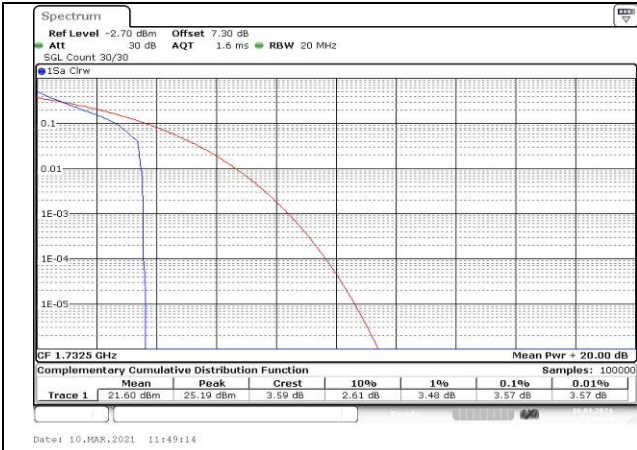


Fig.79

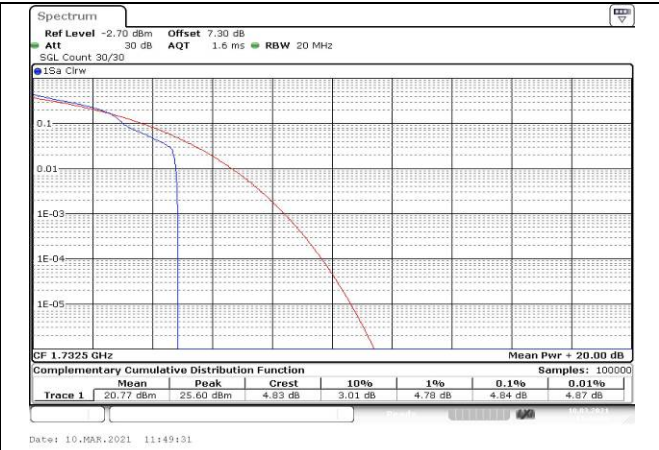


Fig.80

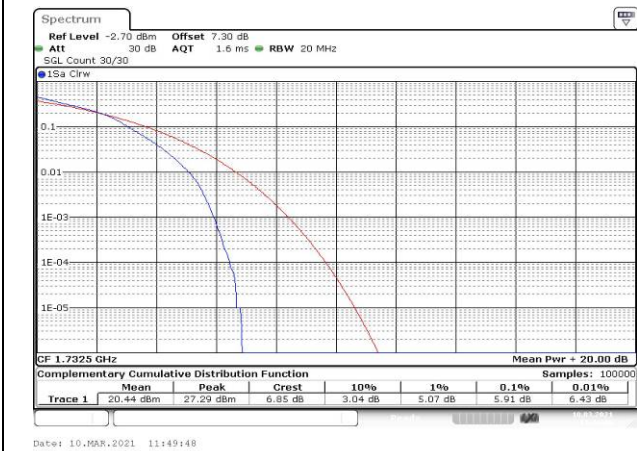


Fig.81

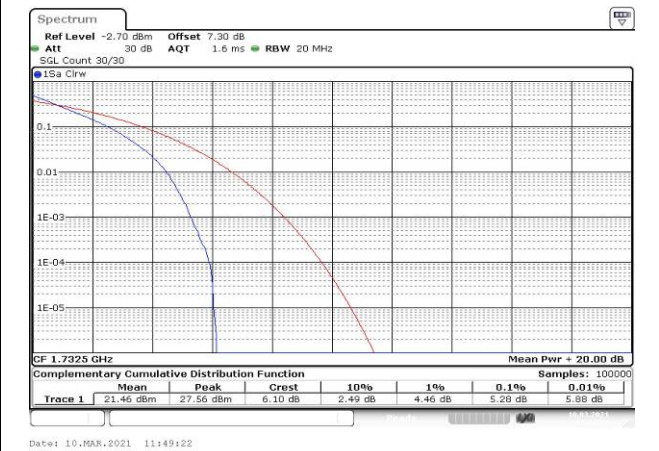


Fig.82

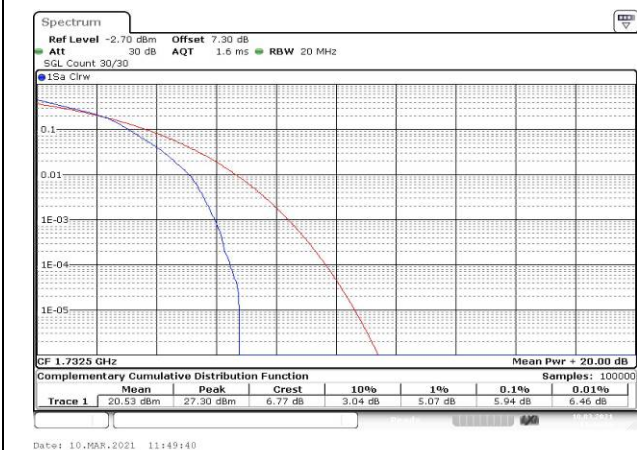


Fig.83

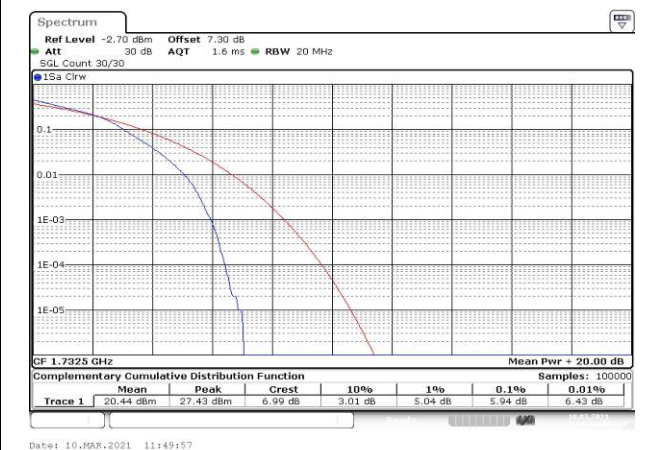


Fig.84



Fig.85

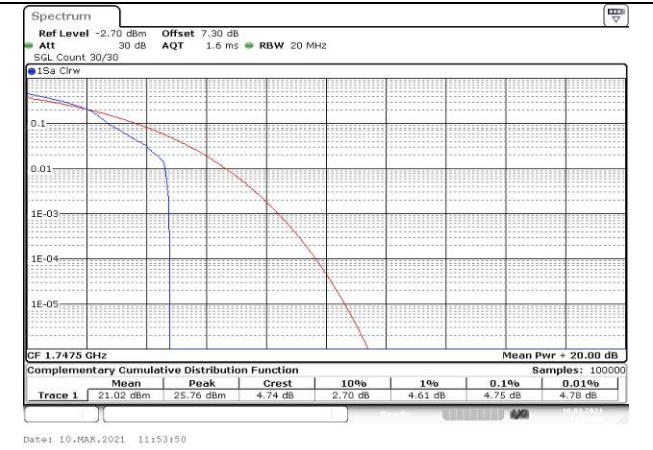


Fig.86

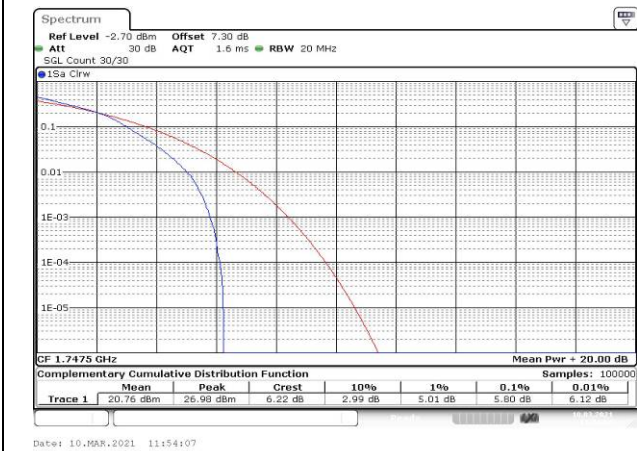


Fig.87

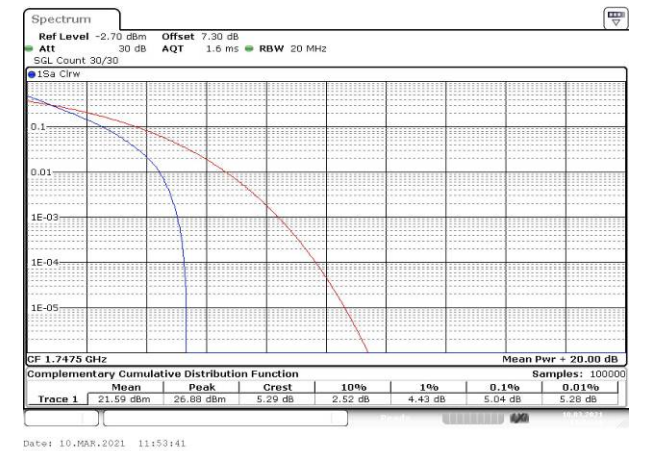


Fig.88

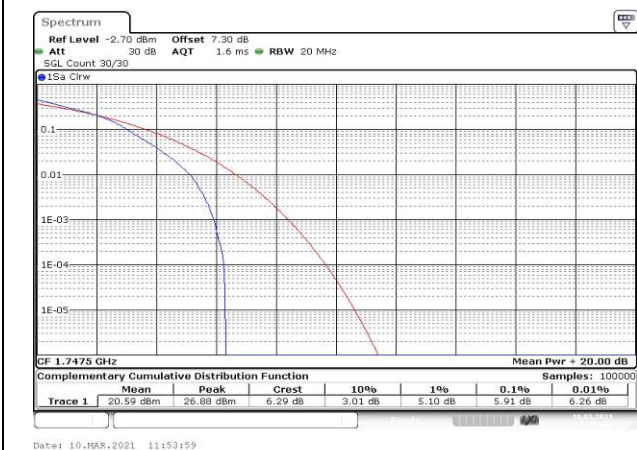


Fig.89

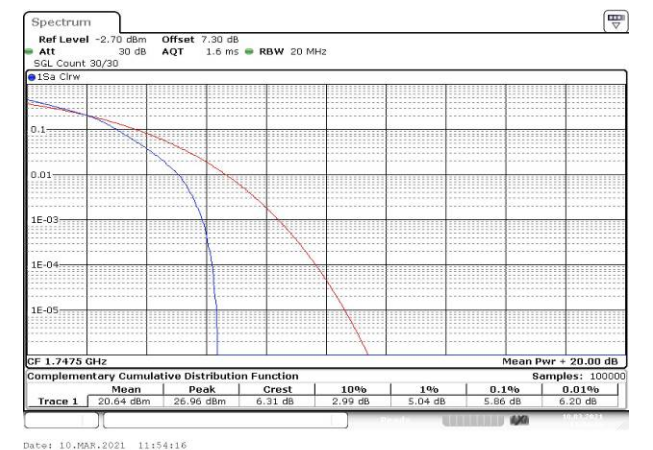


Fig.90

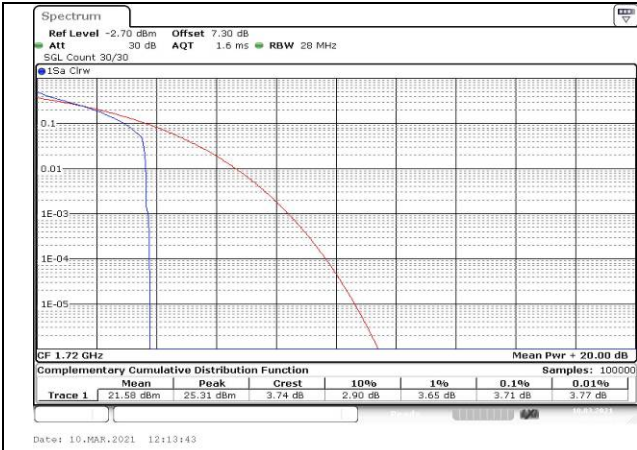


Fig.91

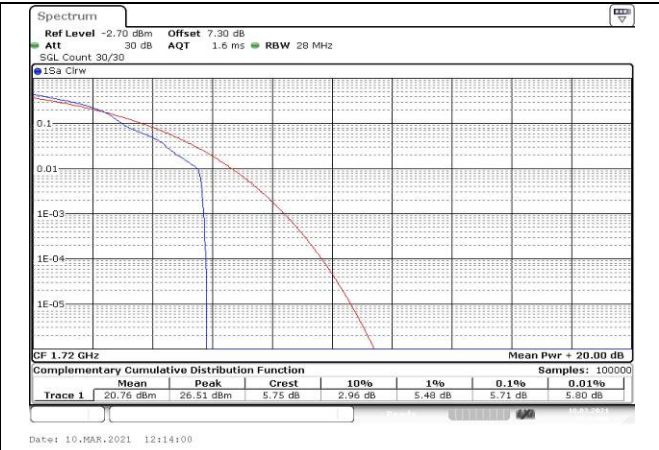


Fig.92

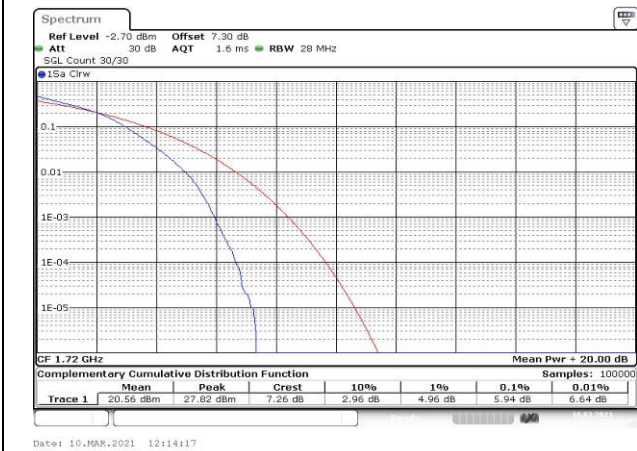


Fig.93

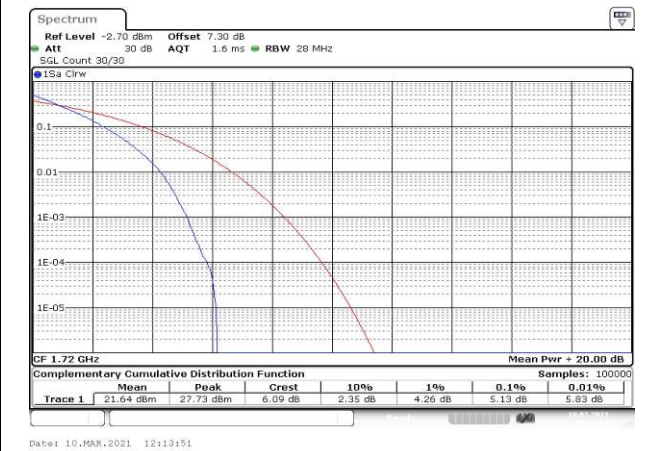


Fig.94

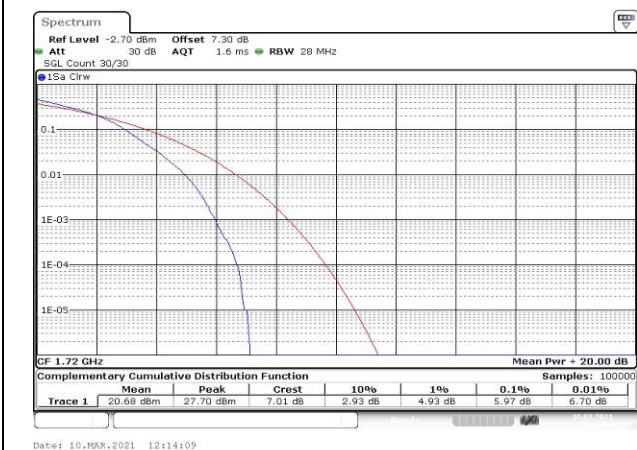


Fig.95

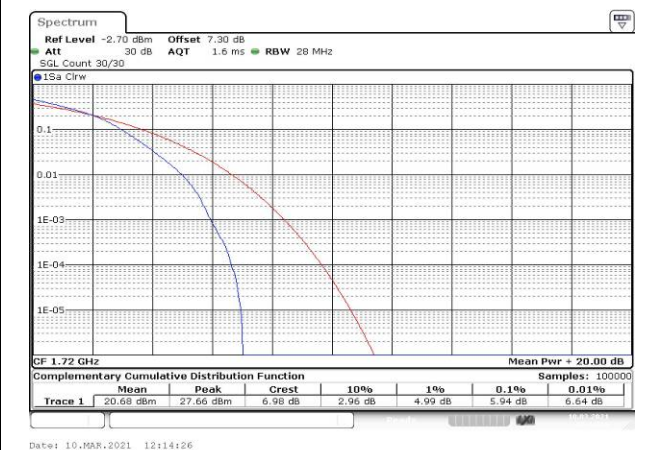


Fig.96

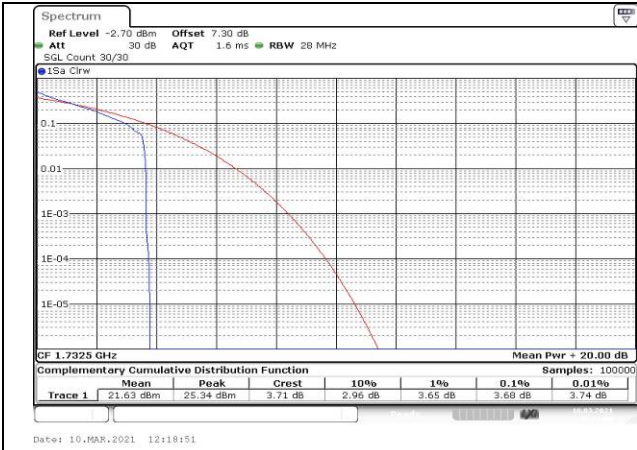


Fig.97

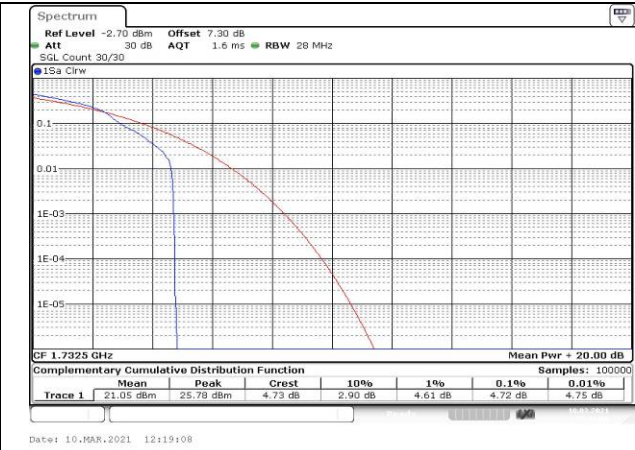


Fig.98

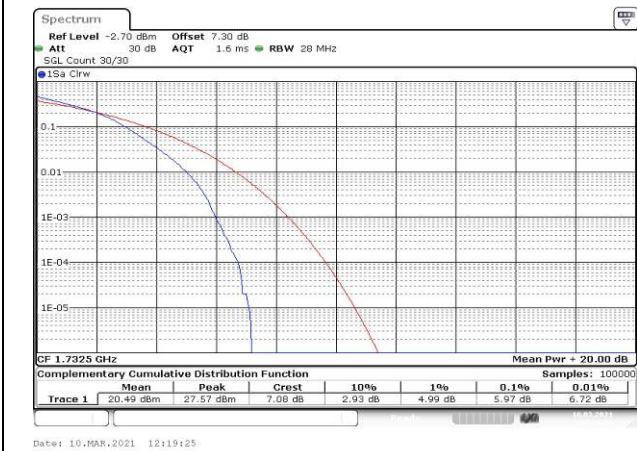


Fig.99

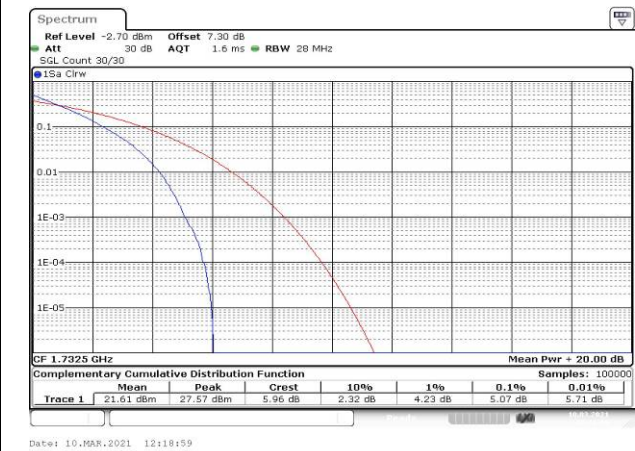


Fig.100

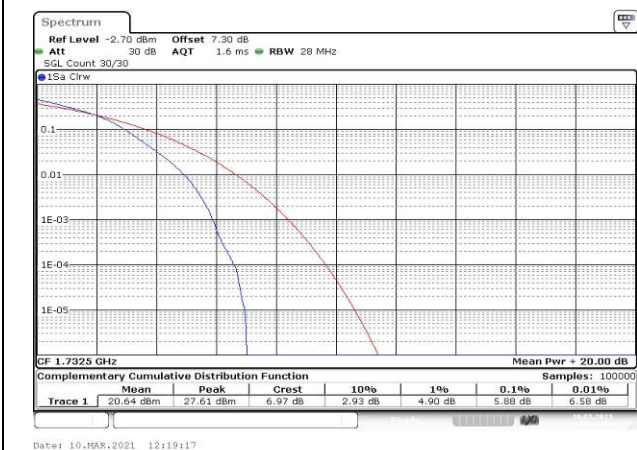


Fig.101

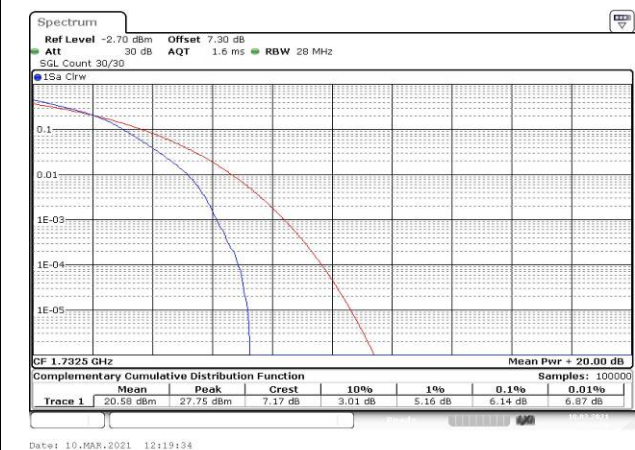


Fig.102

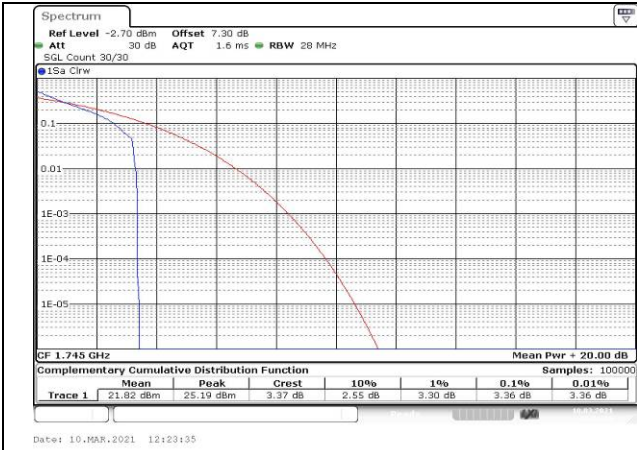


Fig.103

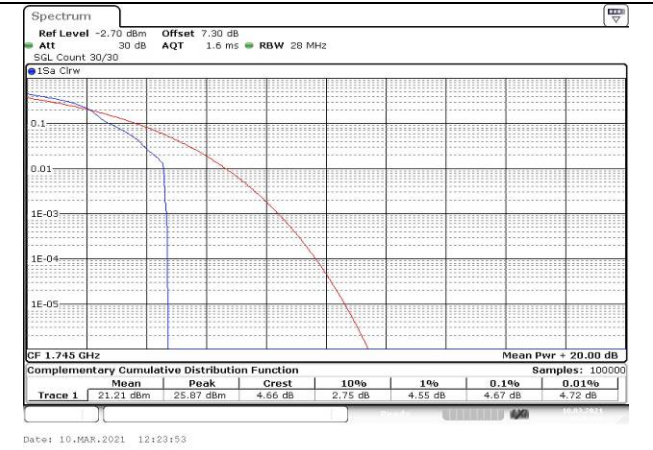


Fig.104

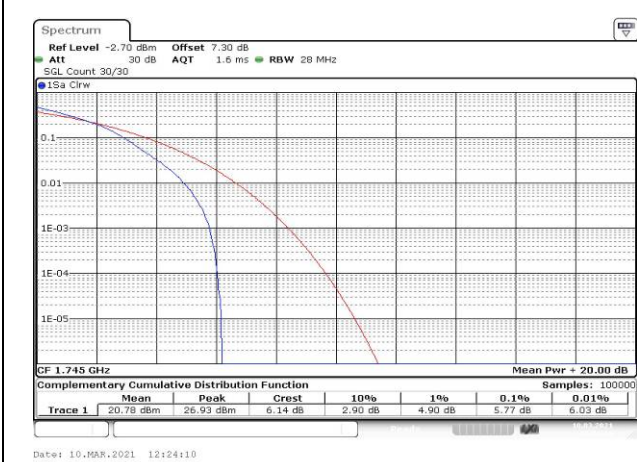


Fig.105

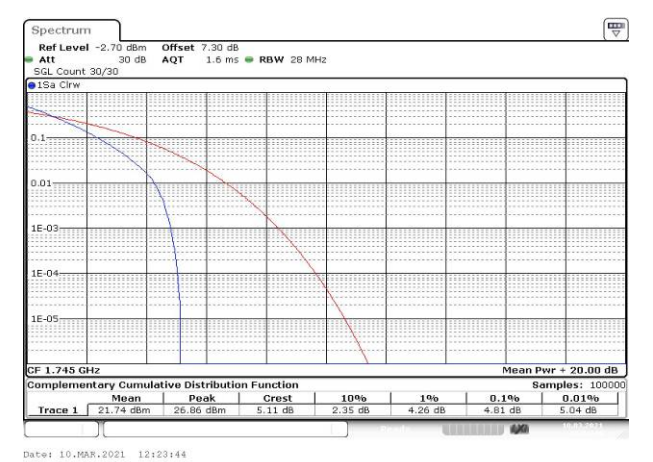


Fig.106

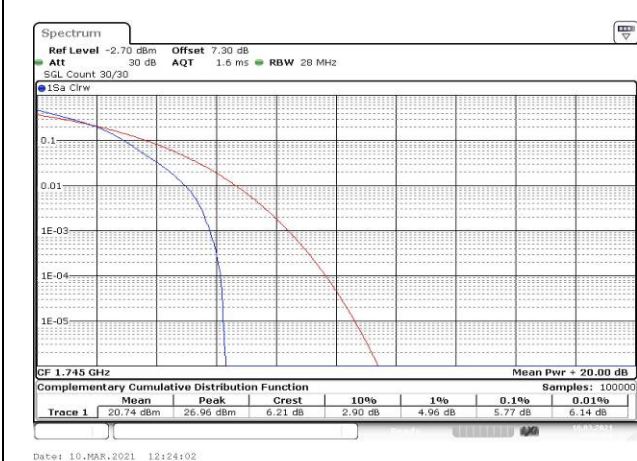


Fig.107

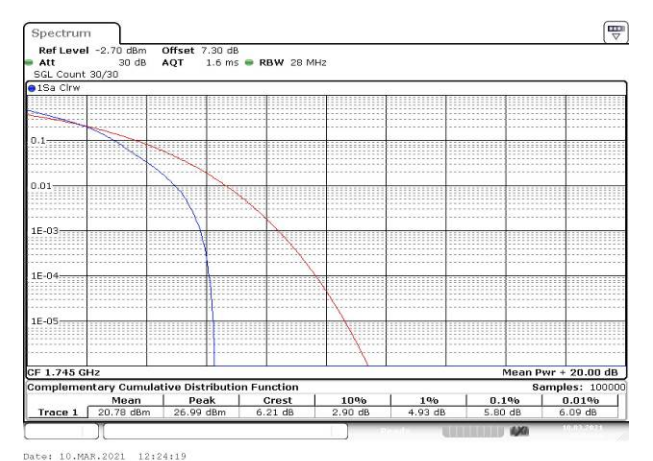


Fig.108

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

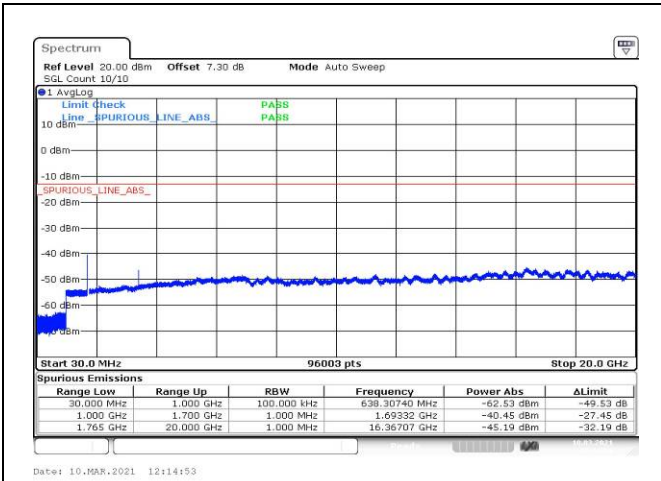


Fig.1

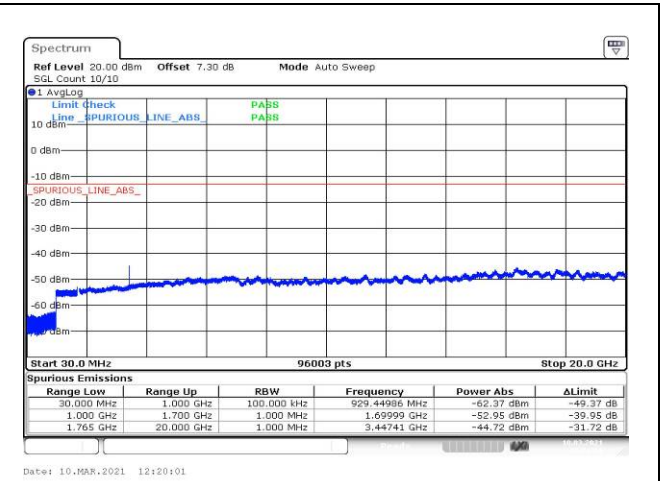


Fig.2

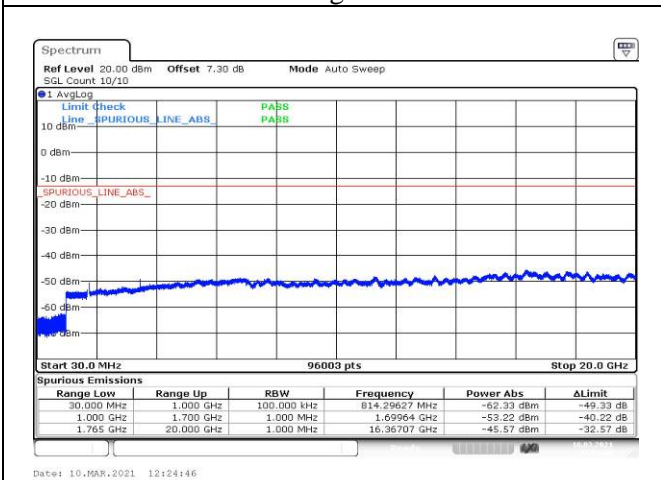


Fig.3

6 Band Edges Compliance

Band	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

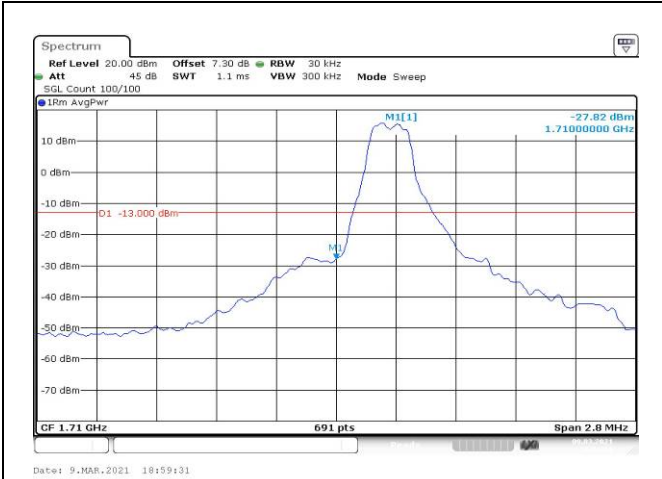


Fig.1

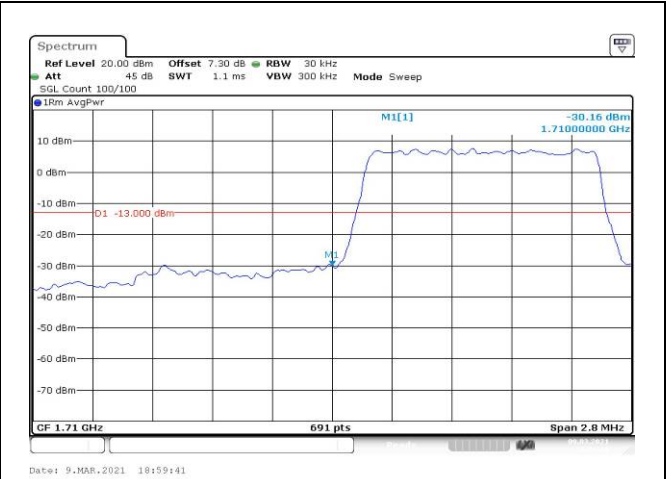


Fig.2

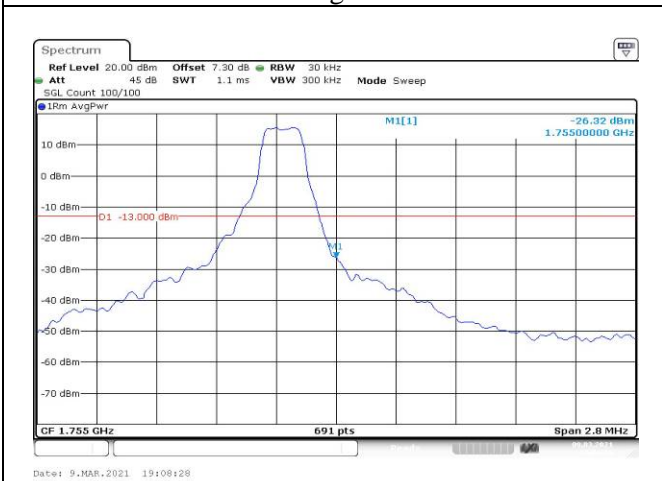


Fig.3

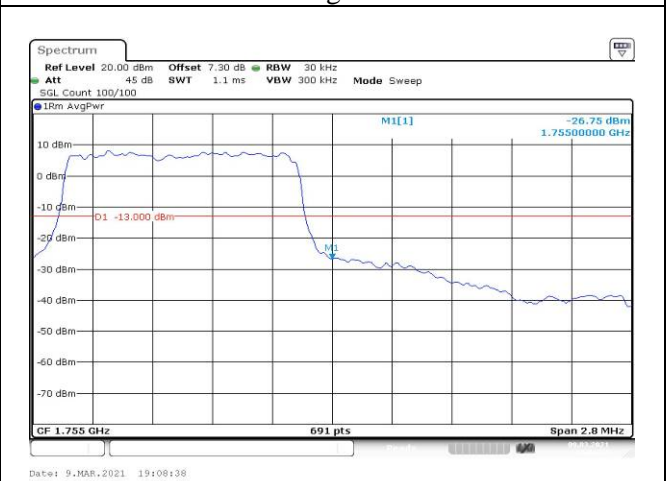


Fig.4

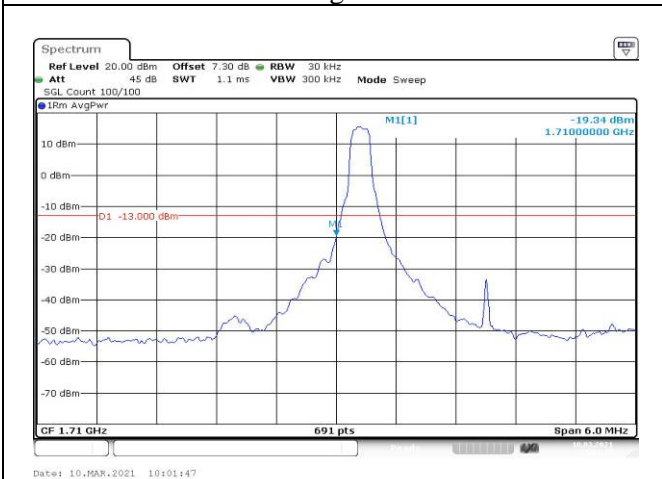


Fig.5

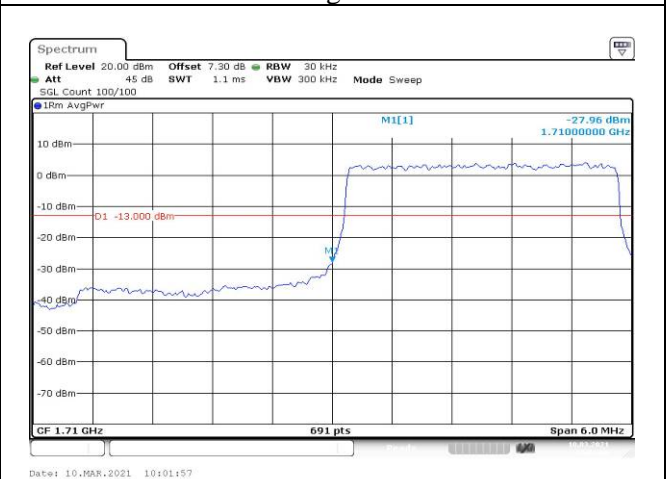


Fig.6

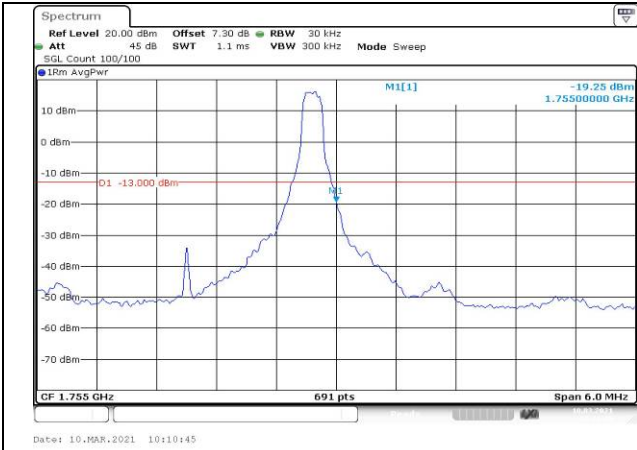


Fig.7



Fig.8

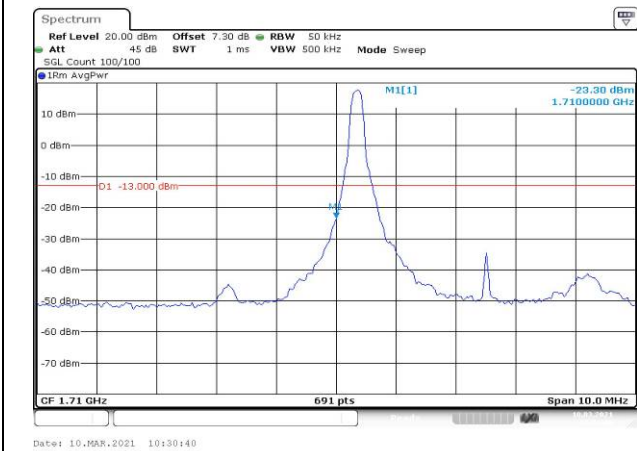


Fig.9

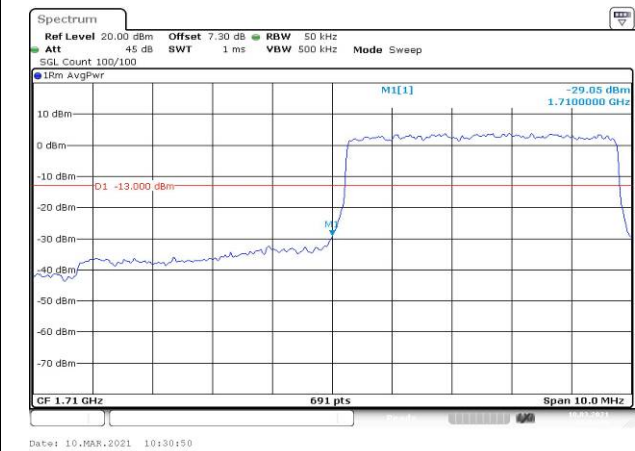


Fig.10

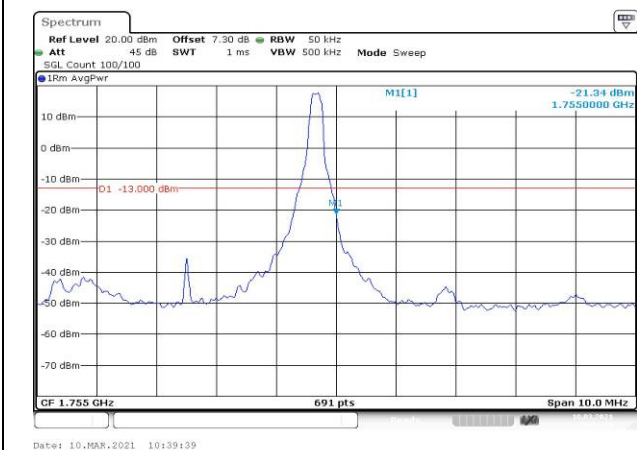


Fig.11

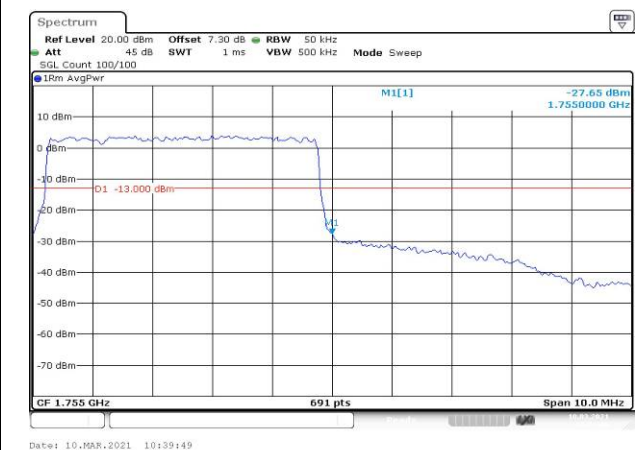


Fig.12

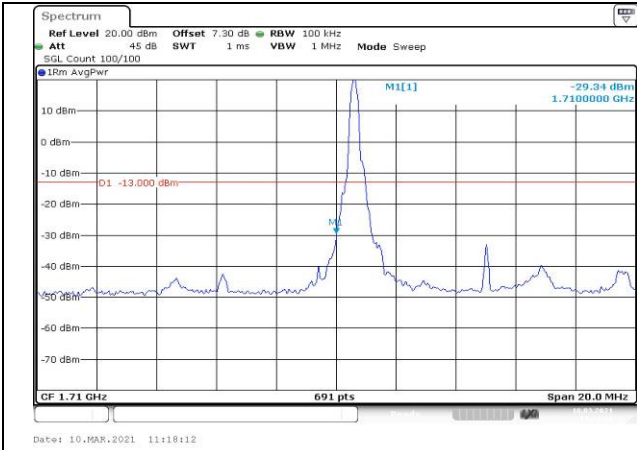


Fig.13

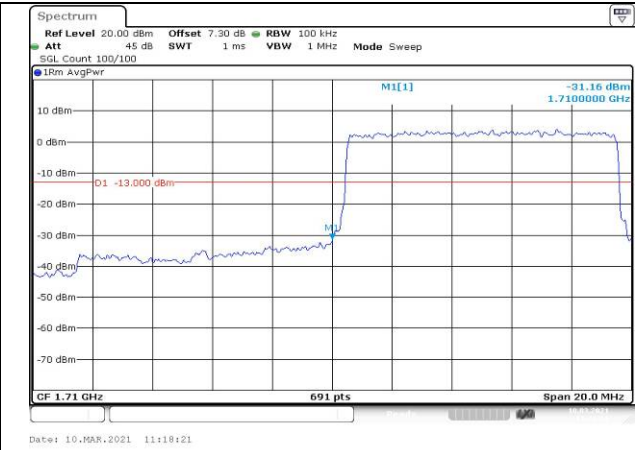


Fig.14

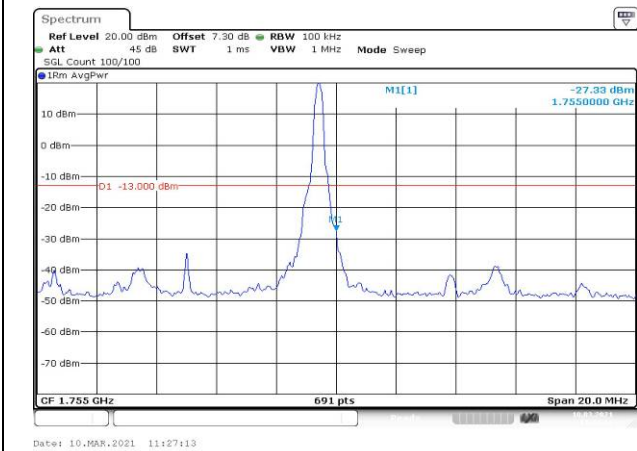


Fig.15

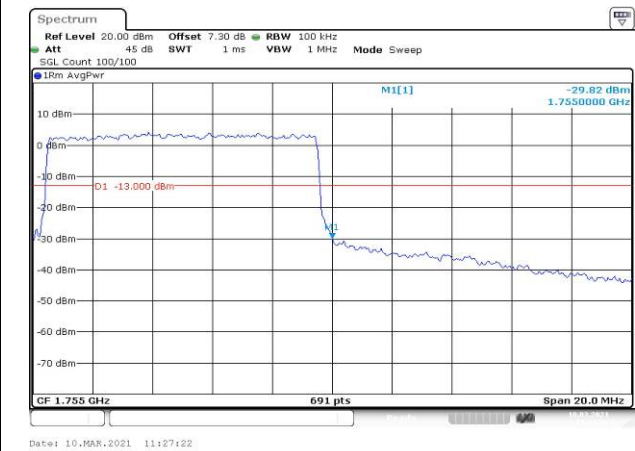


Fig.16

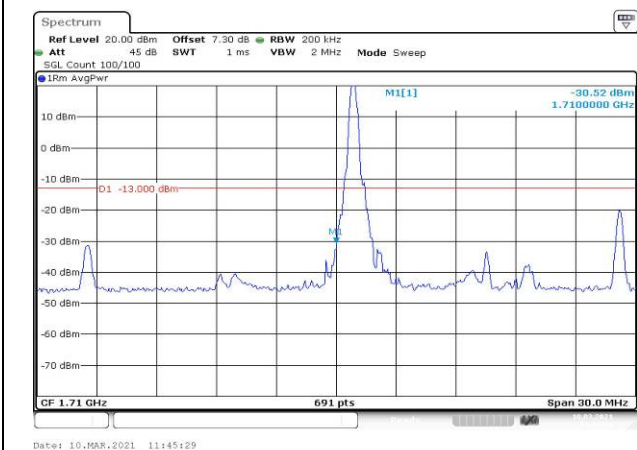


Fig.17

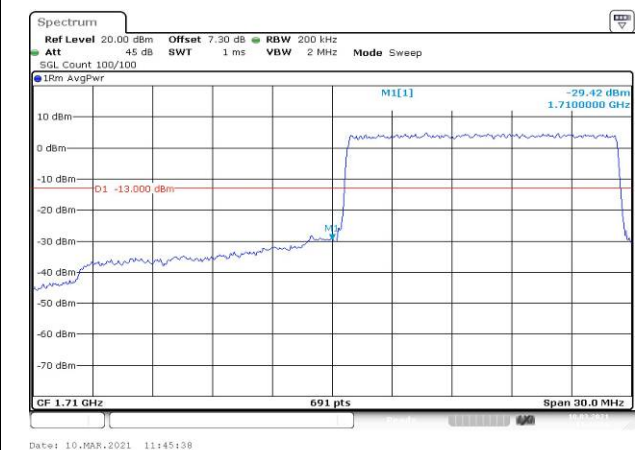


Fig.18

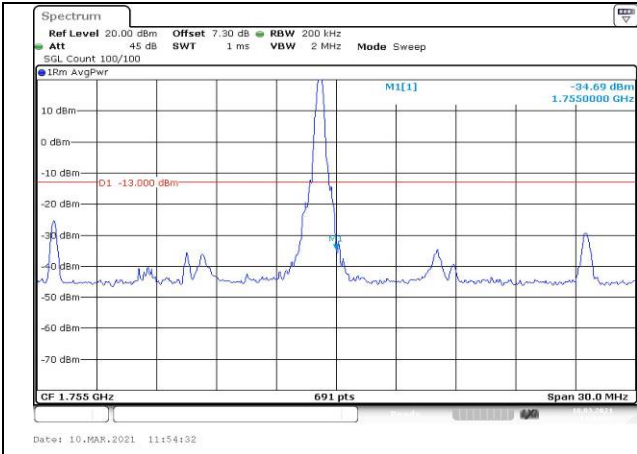


Fig.19

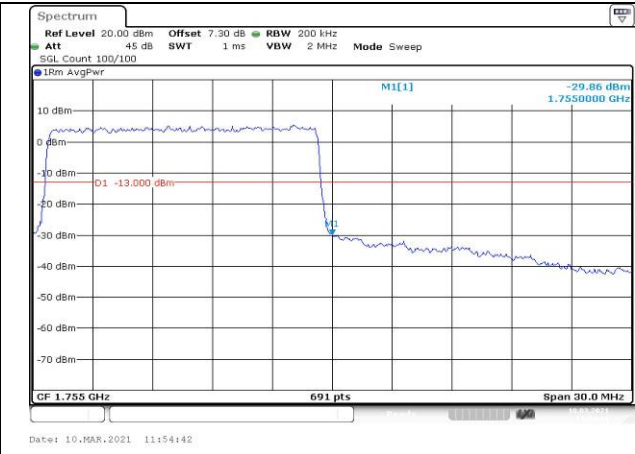


Fig.20

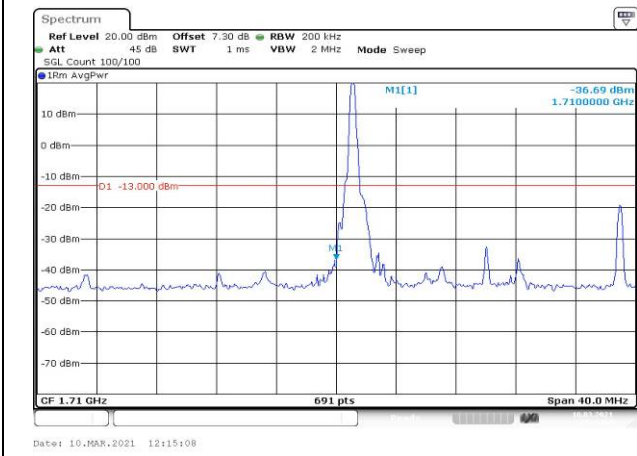


Fig.21

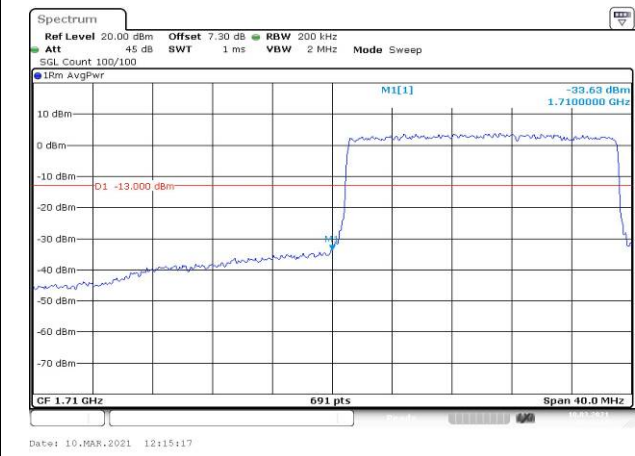


Fig.22

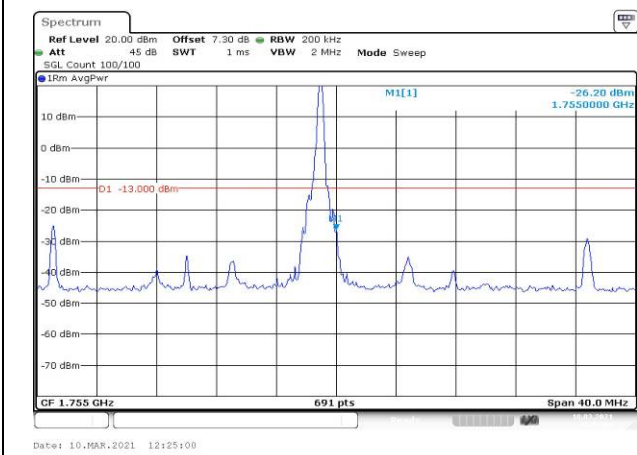


Fig.23



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

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		
	1732.5	20175		6	0	22.14	23.14	0.206		
				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		
	16QAM	1710.7		19957	6	0	22.26	23.26	0.212	
					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			
1732.5		20175	3	3	22.12	23.12	0.205			
			6	0	21.18	22.18	0.165			
			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

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 frequency (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		
	1732.5	20175		25	0	22.19	23.19	0.208		
				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		
	16QAM	1712.5		19975	25	0	22.36	23.36	0.217	
					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			
1732.5		20175	12	13	21.32	22.32	0.171			
			25	0	21.23	22.23	0.167			
			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 frequency (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		
	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		
	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	10	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		
	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		
	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				