

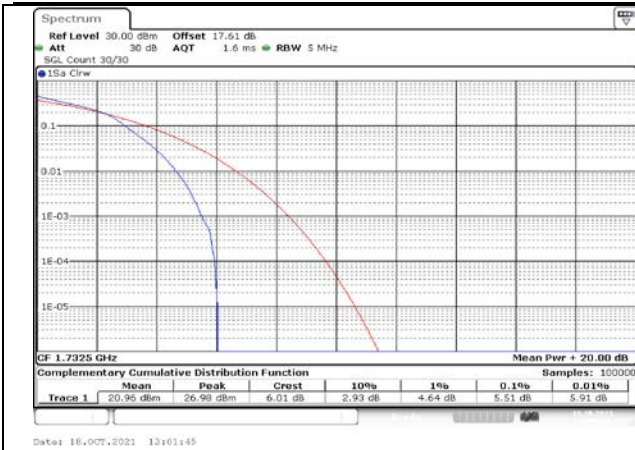


Fig.19

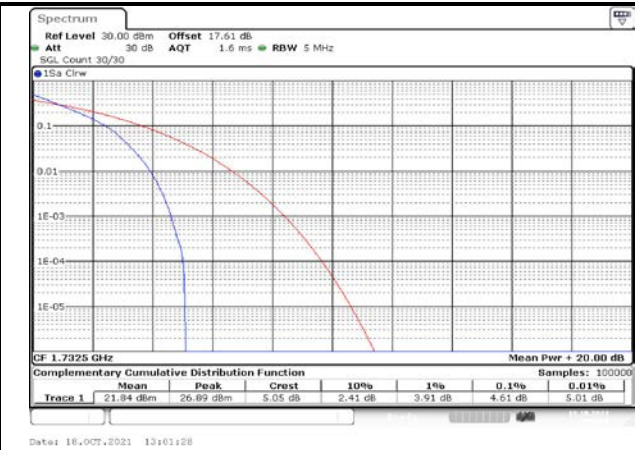


Fig.20

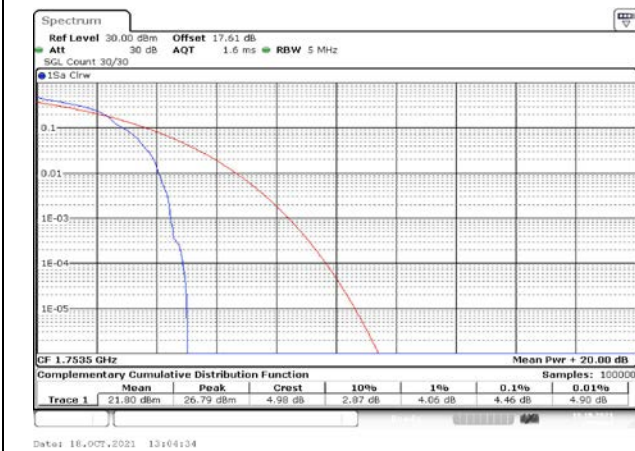


Fig.21

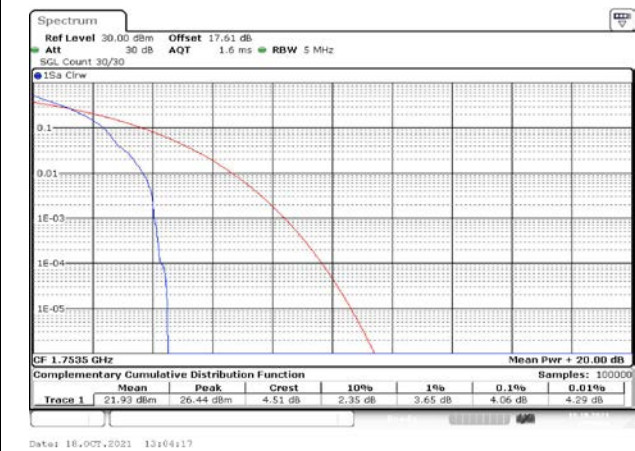


Fig.22

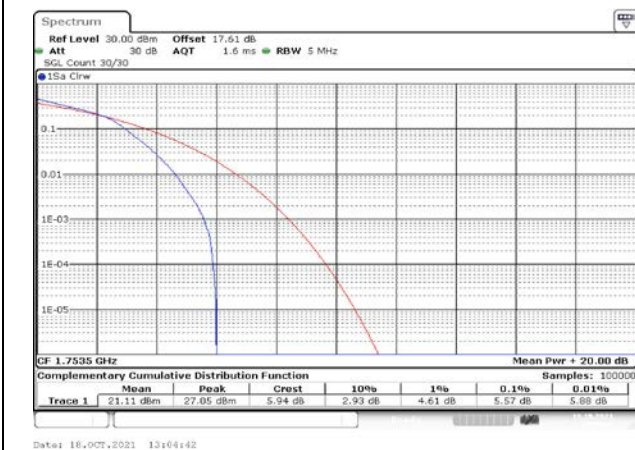


Fig.23

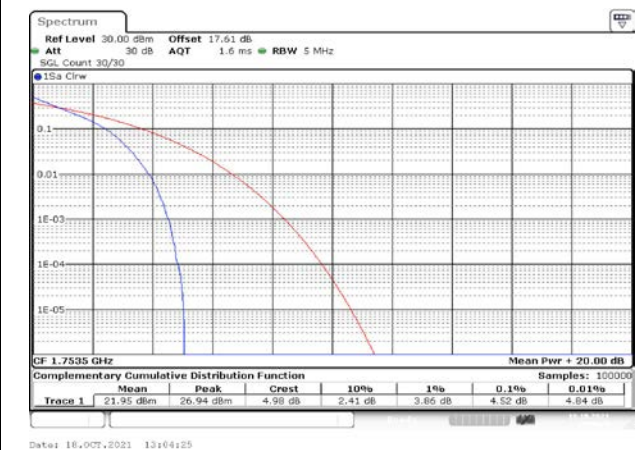


Fig.24

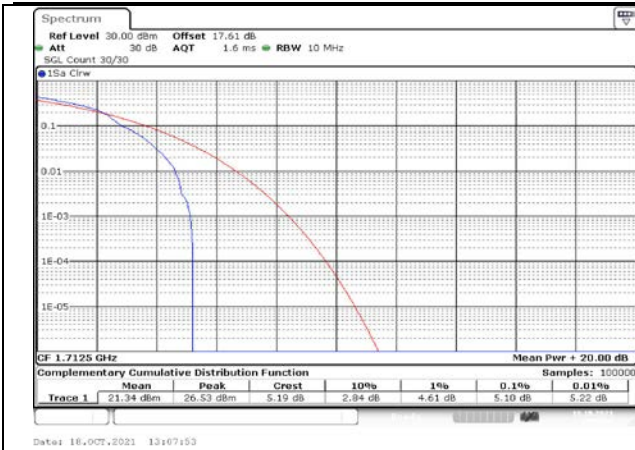


Fig.25

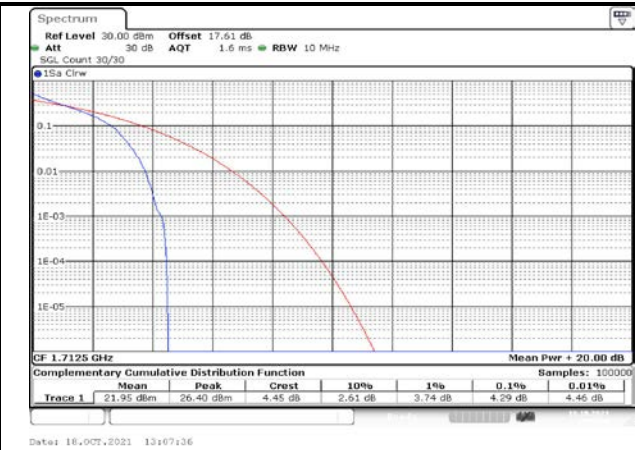


Fig.26

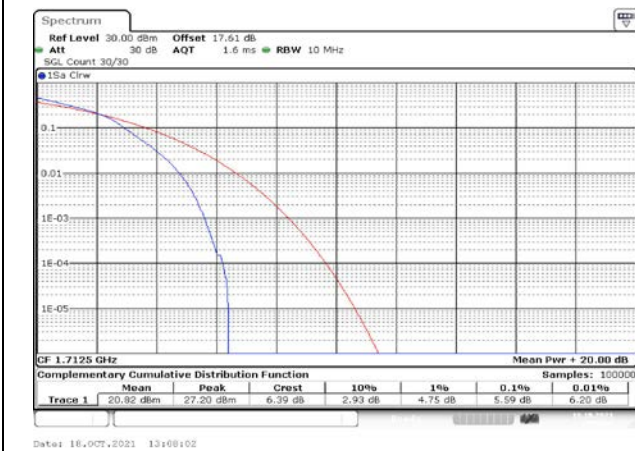


Fig.27

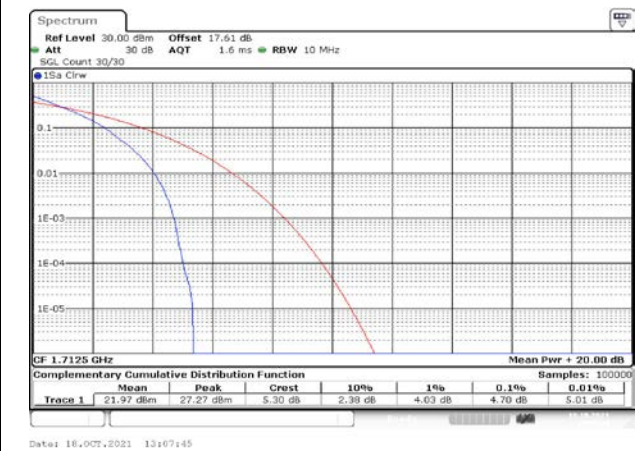


Fig.28

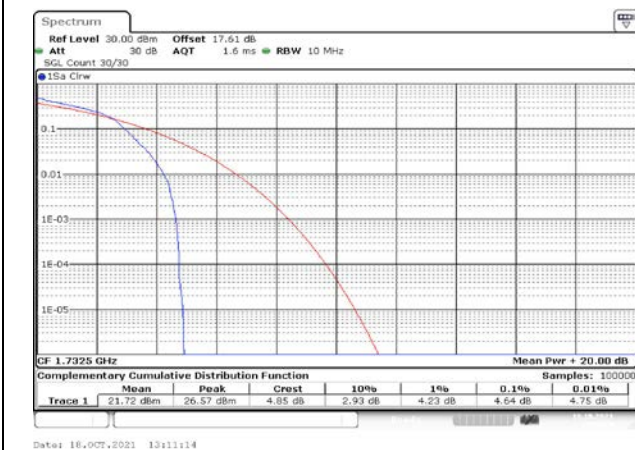


Fig.29

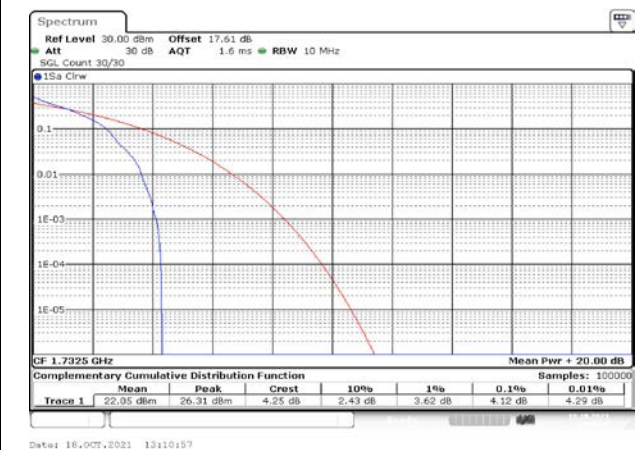


Fig.30

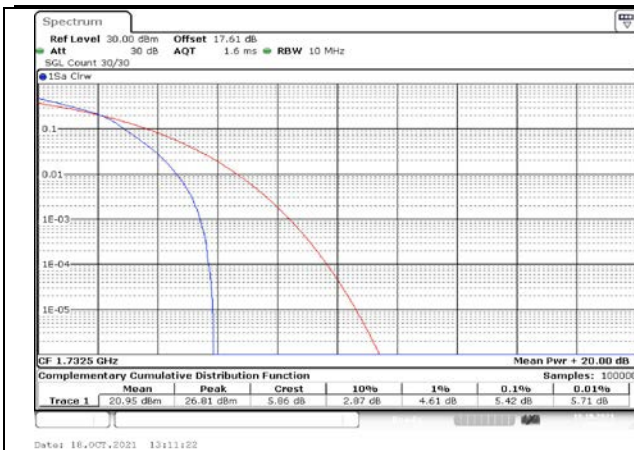


Fig.31

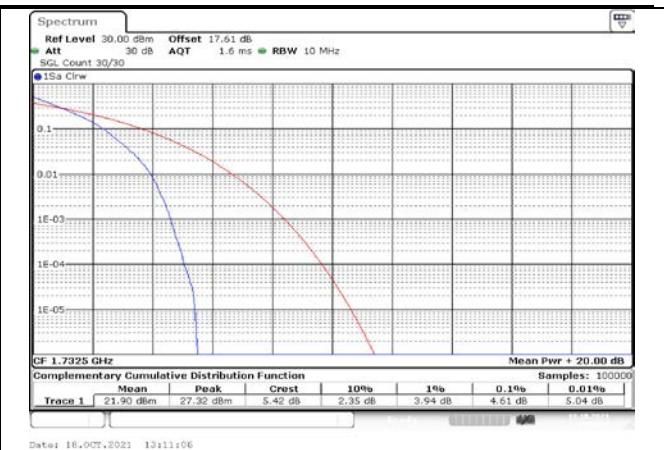


Fig.32

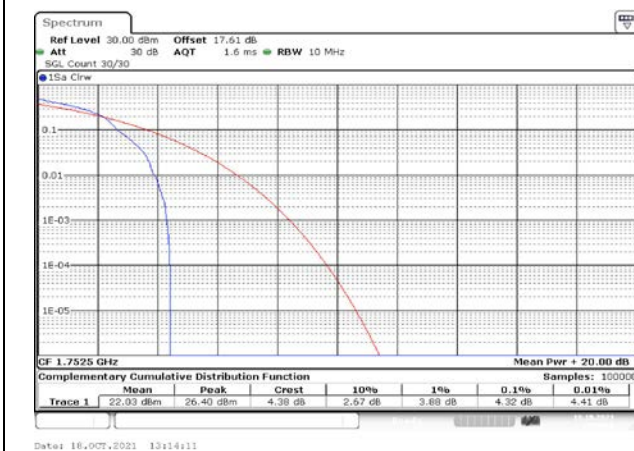


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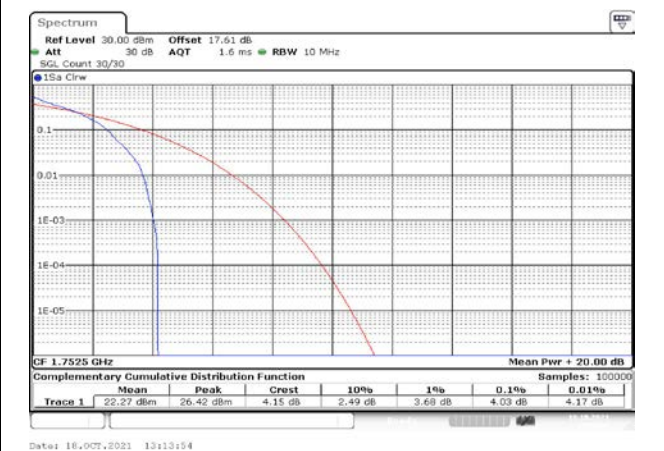


Fig.34

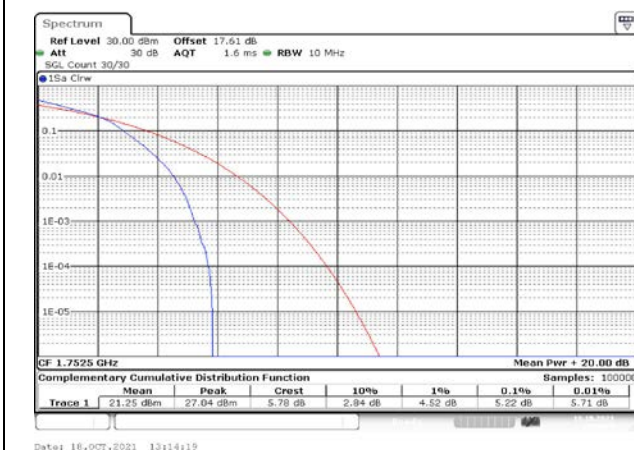


Fig.35

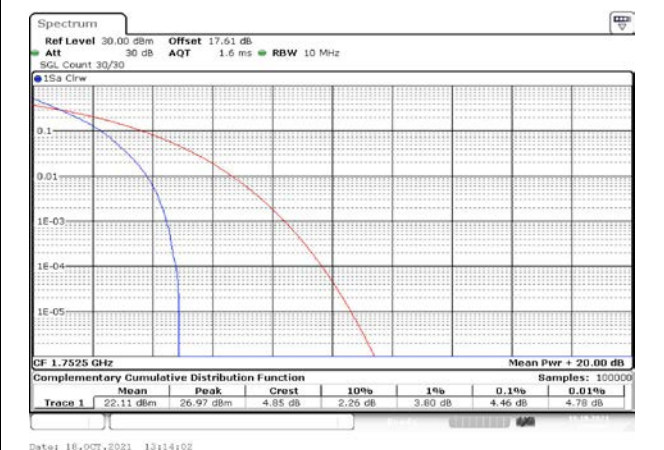


Fig.36

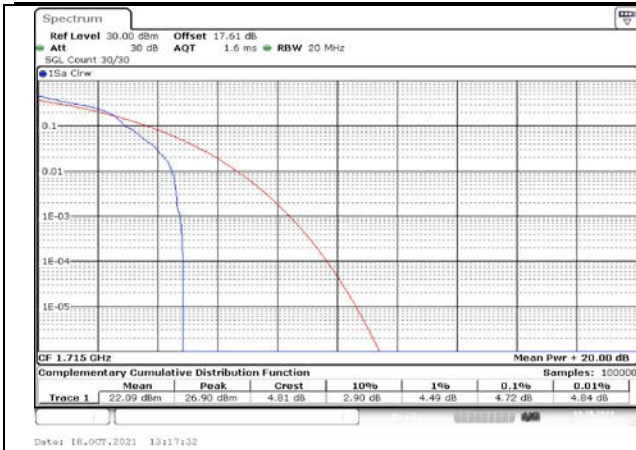


Fig.37

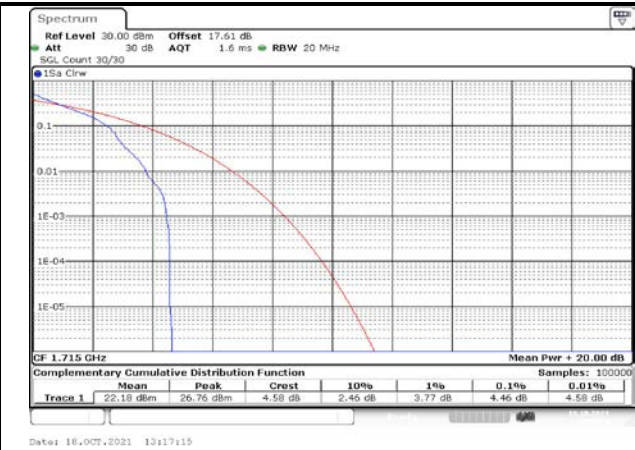


Fig.38

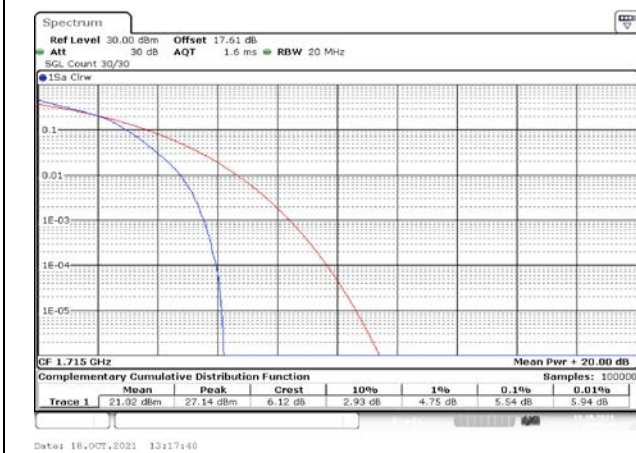


Fig.39

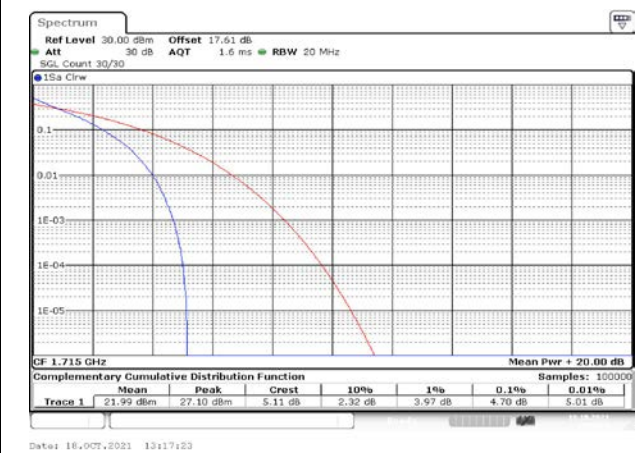


Fig.40

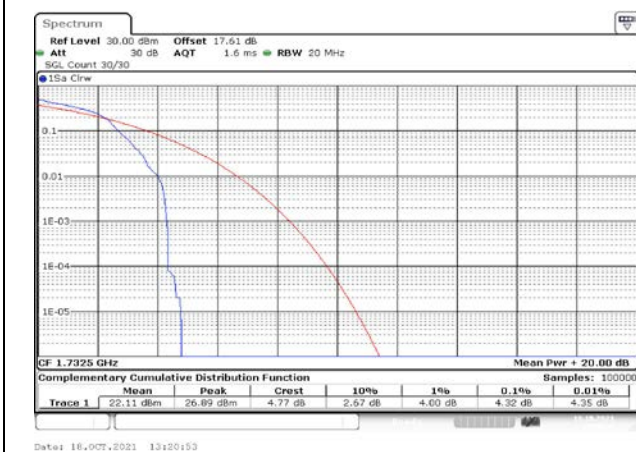


Fig.41

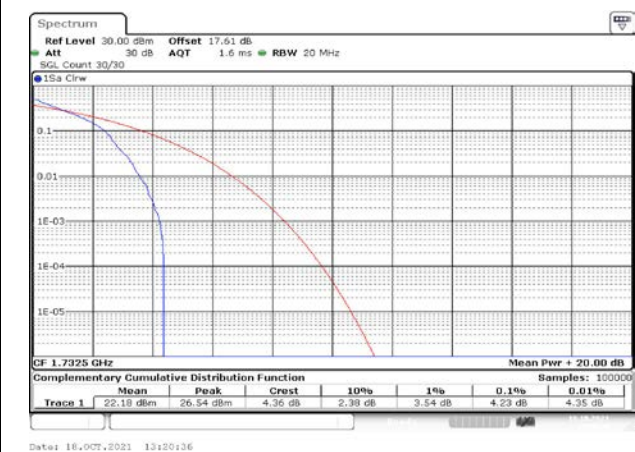


Fig.42

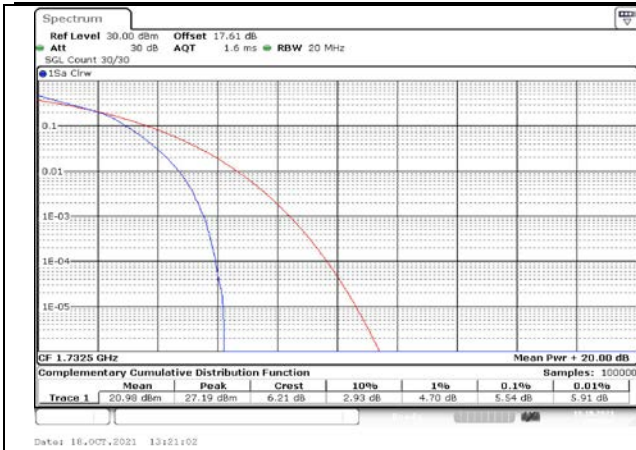


Fig.43

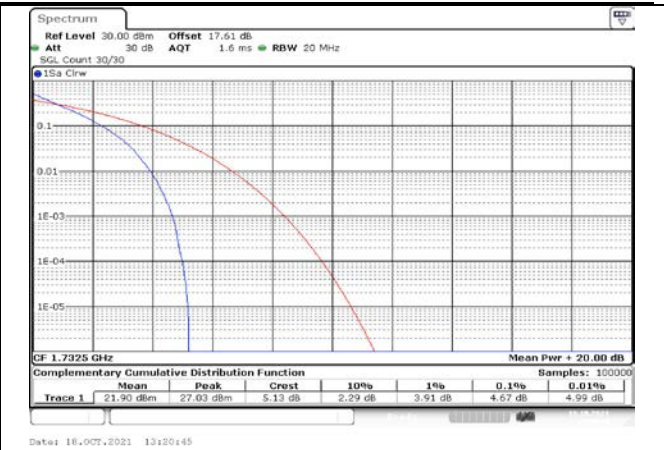


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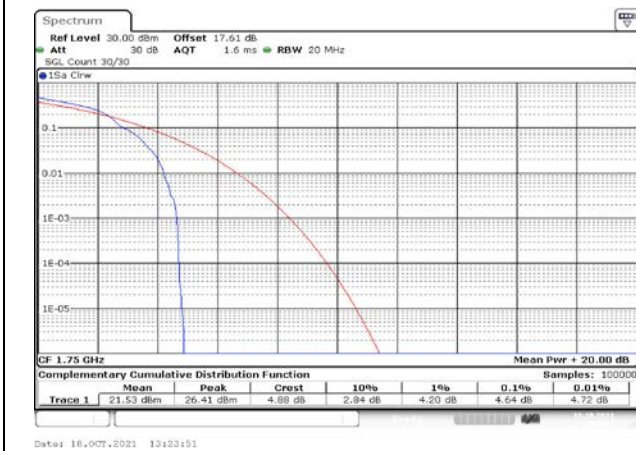


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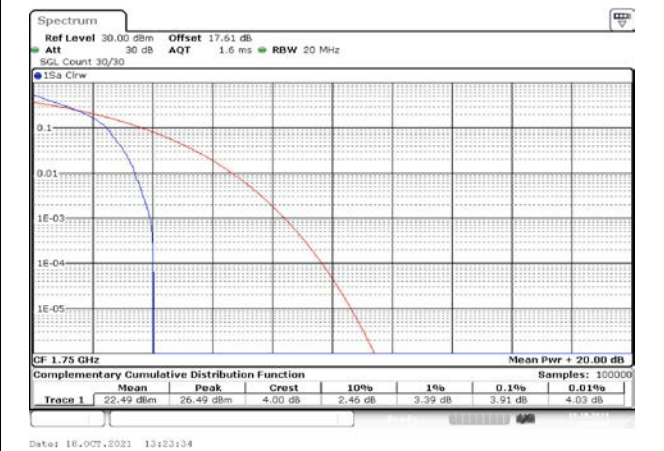


Fig.46

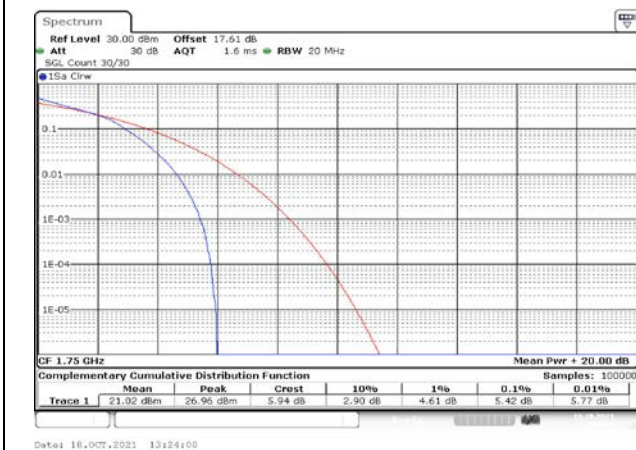


Fig.47

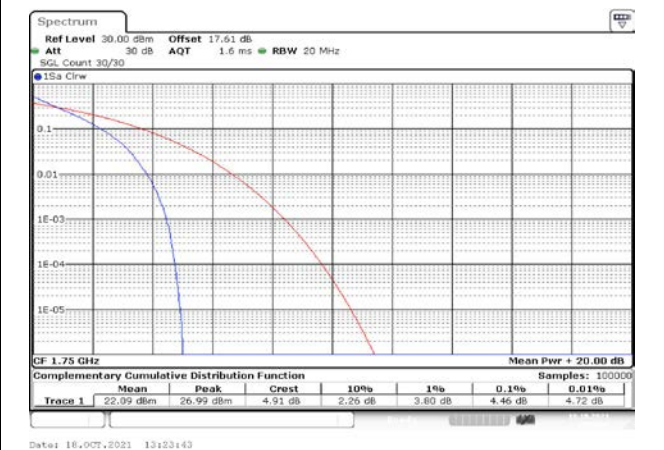


Fig.48

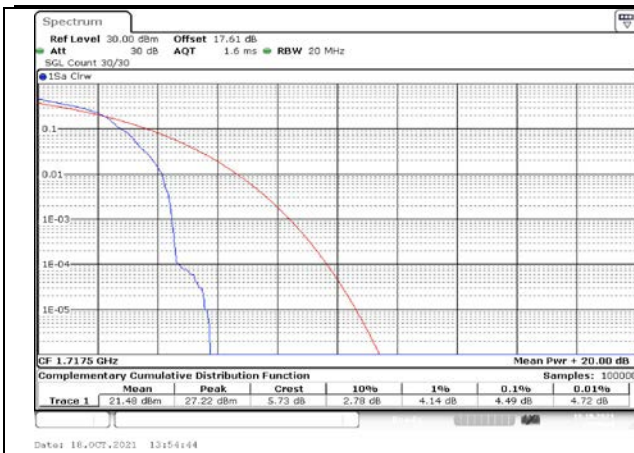


Fig.49

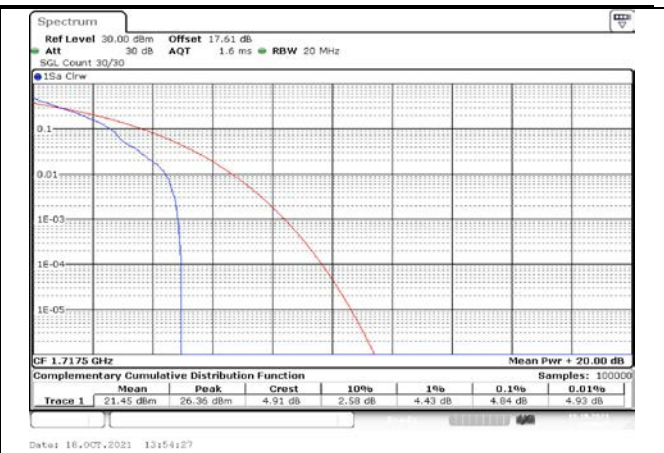


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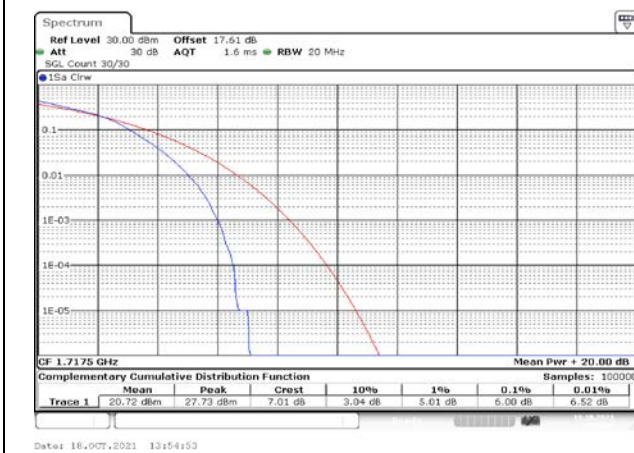


Fig.51

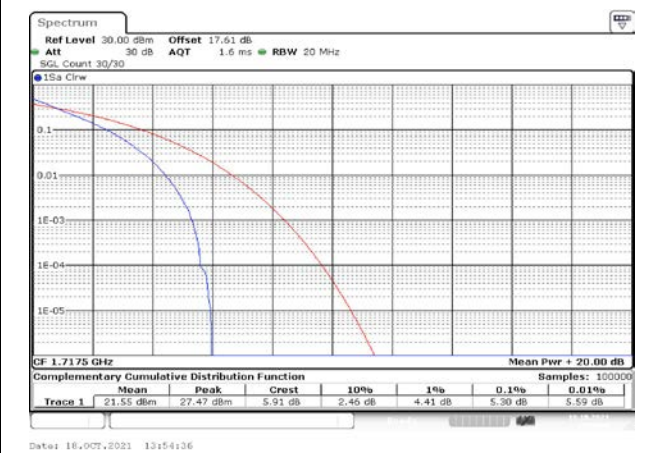


Fig.52

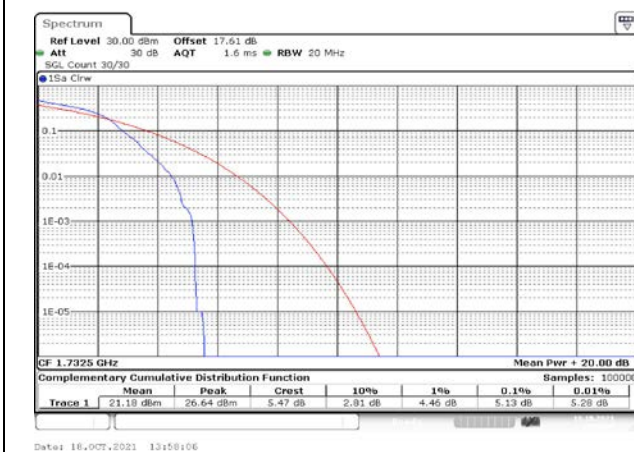


Fig.53

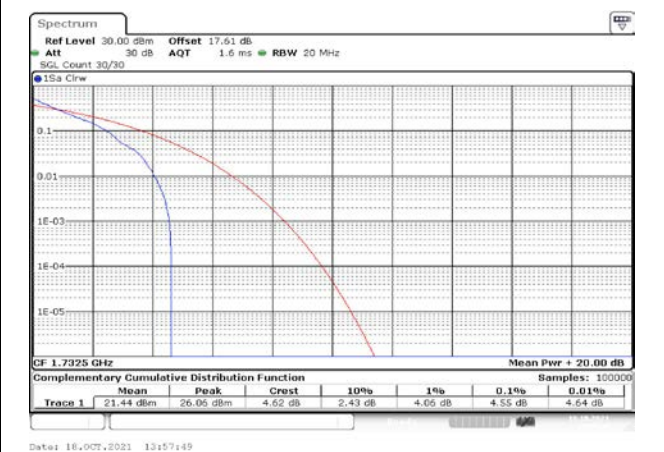


Fig.54

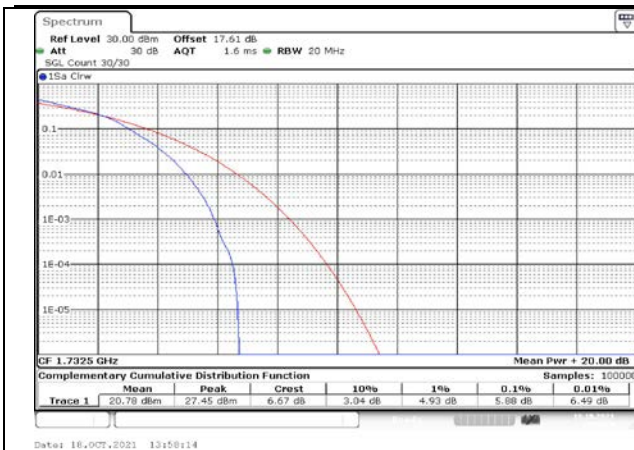


Fig.55

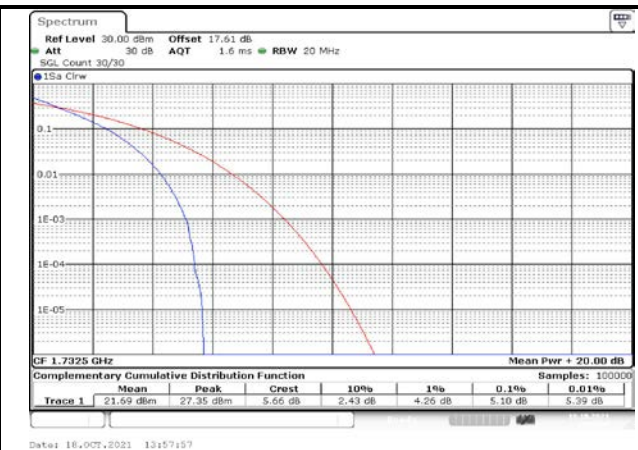


Fig.56

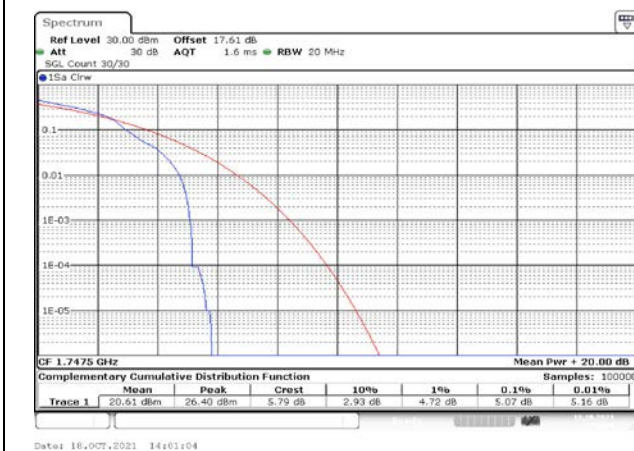


Fig.57

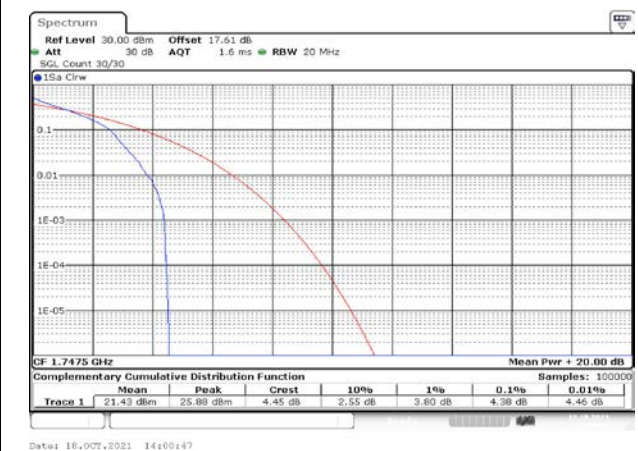


Fig.58

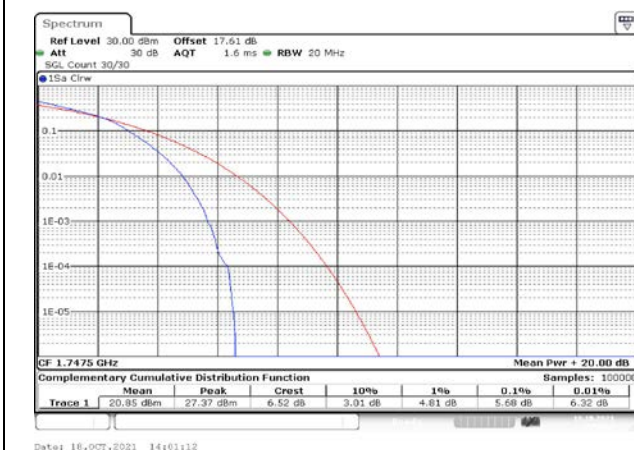


Fig.59

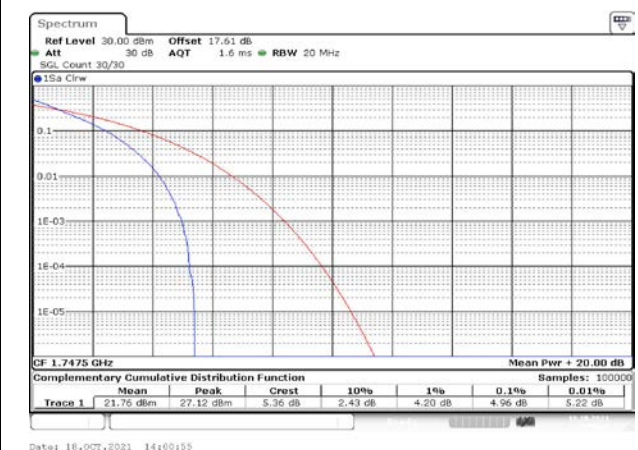


Fig.60

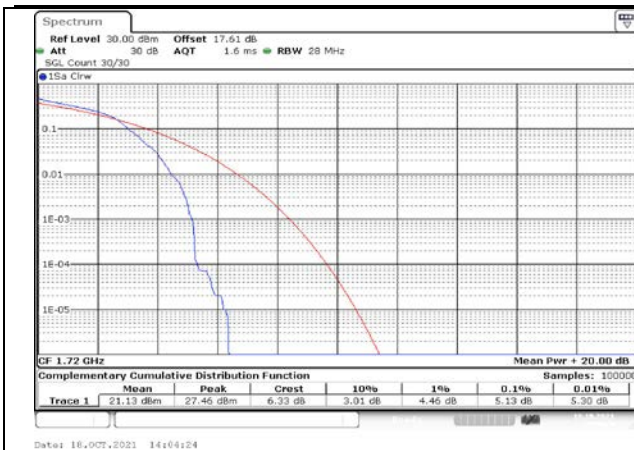


Fig.61

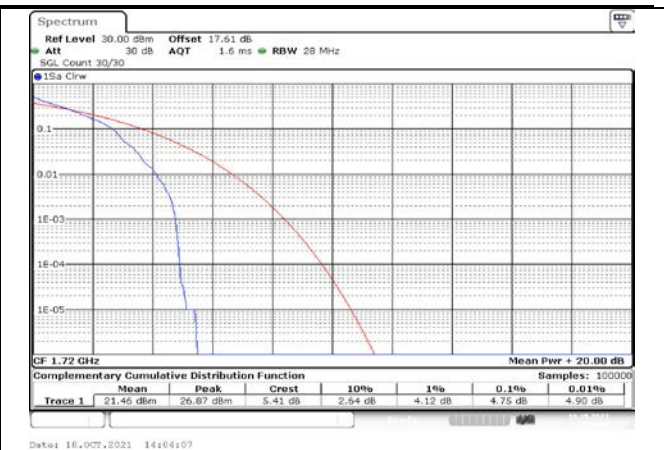


Fig.62

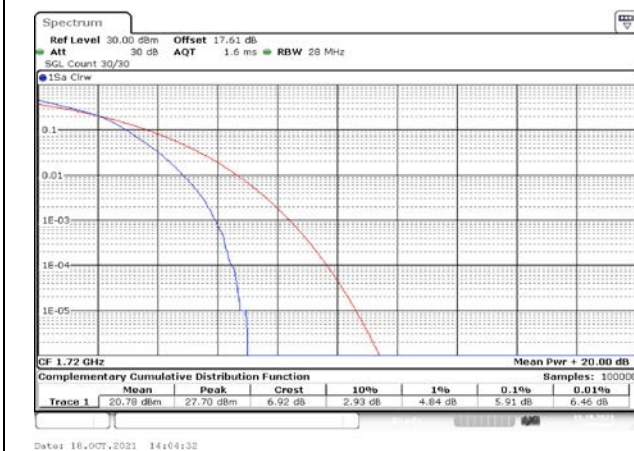


Fig.63

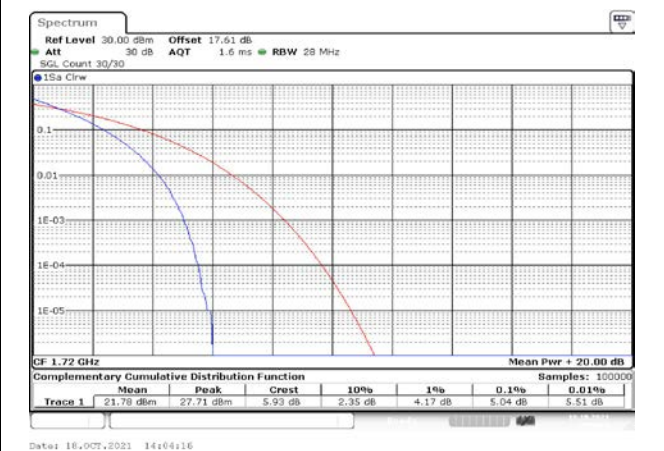


Fig.64

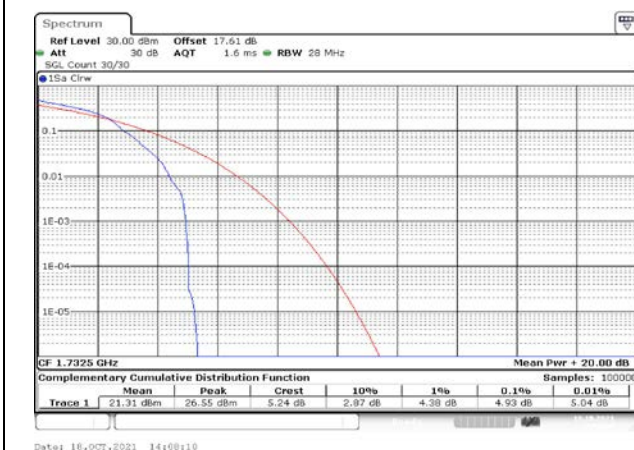


Fig.65

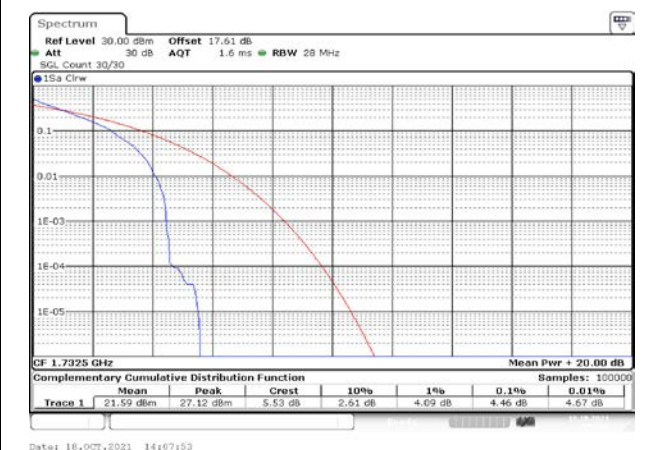


Fig.66

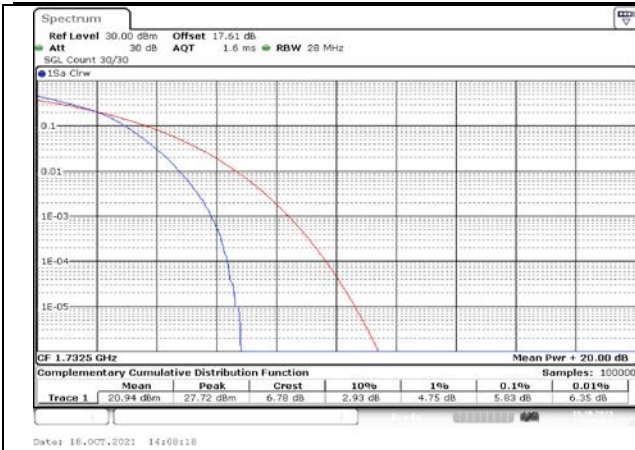


Fig.67

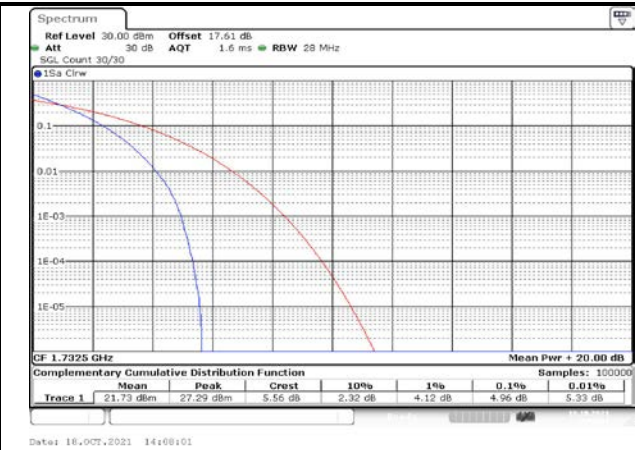


Fig.68

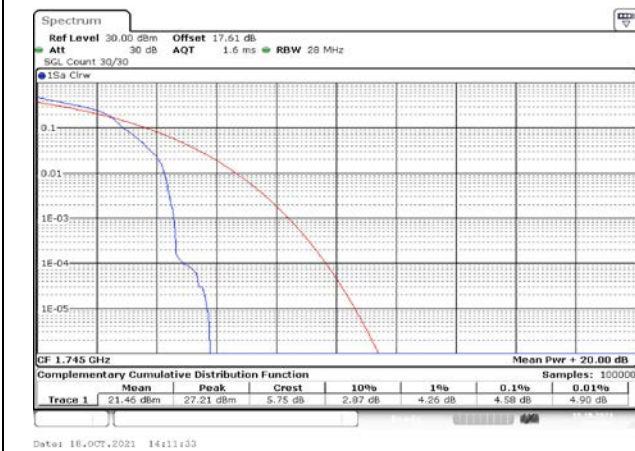


Fig.69

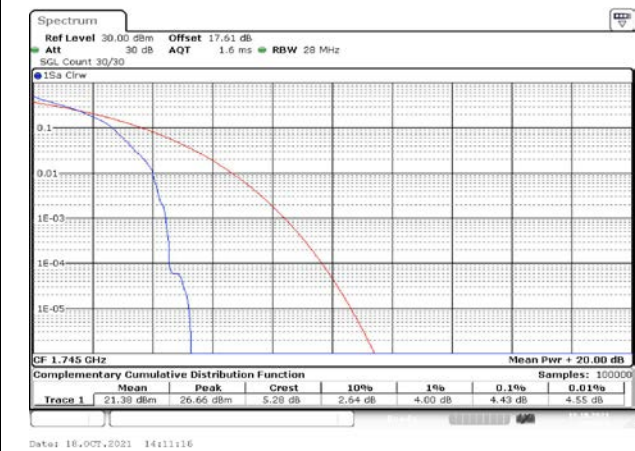


Fig.70

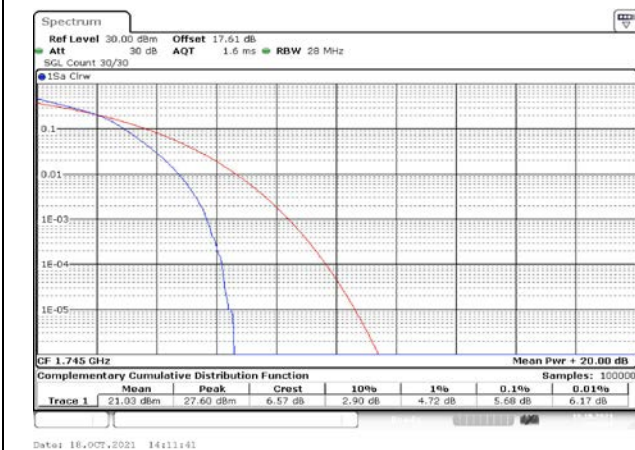


Fig.71

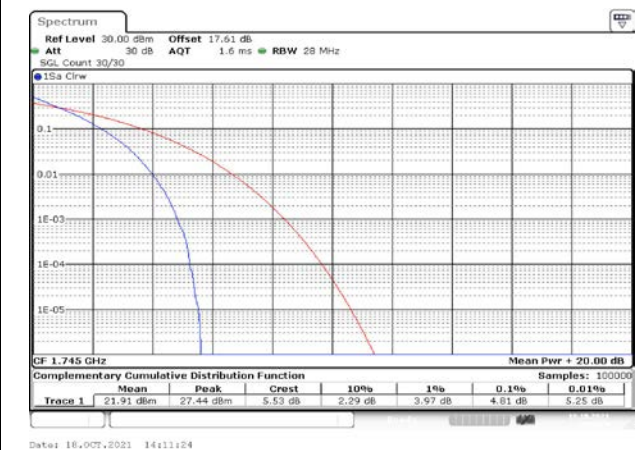


Fig.72

5 Spurious Emissions at antenna terminal

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

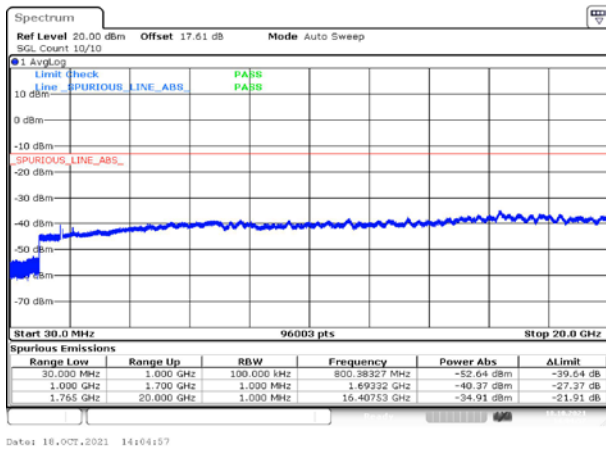


Fig.1

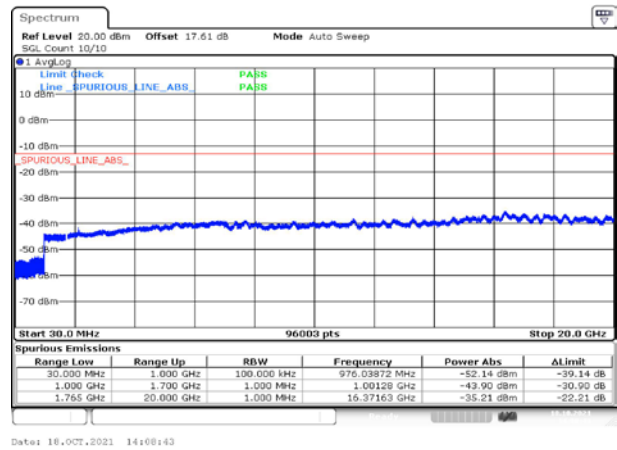


Fig.2

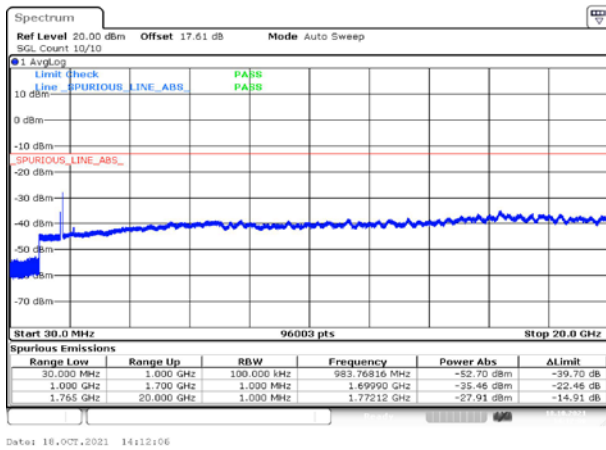
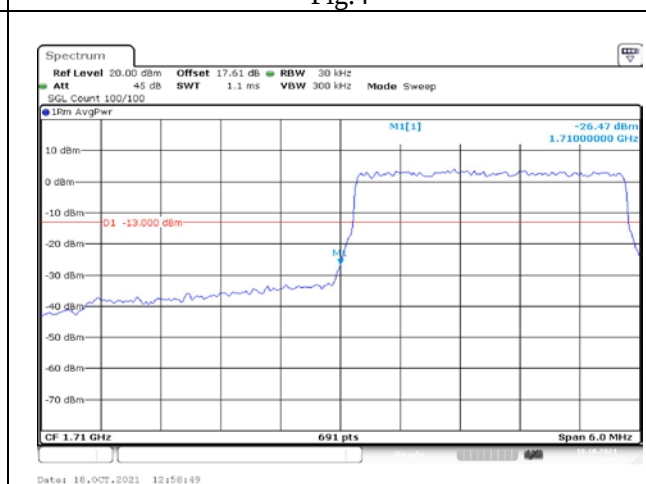
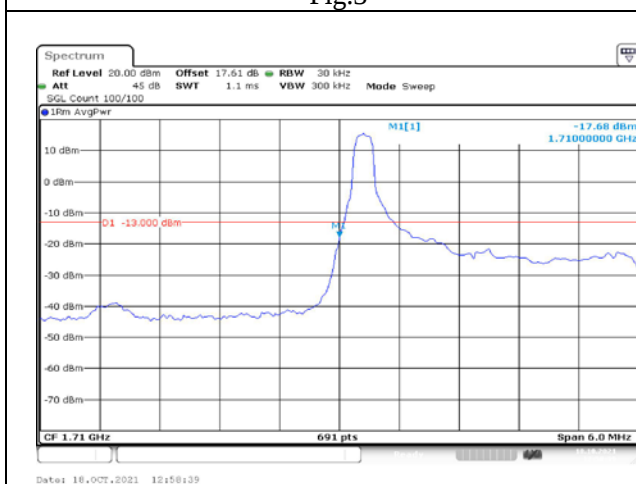
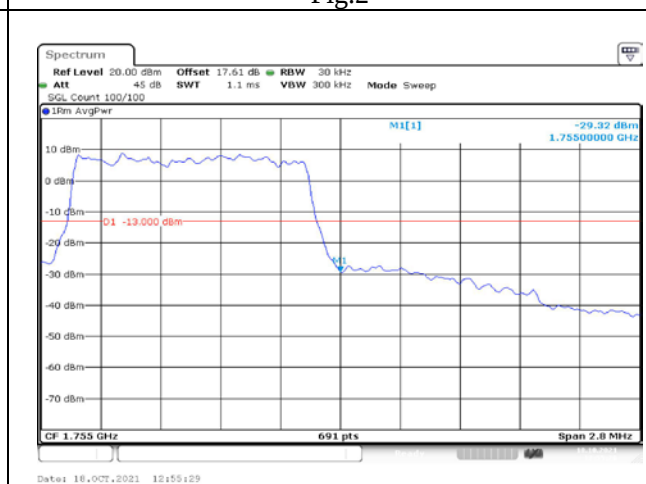
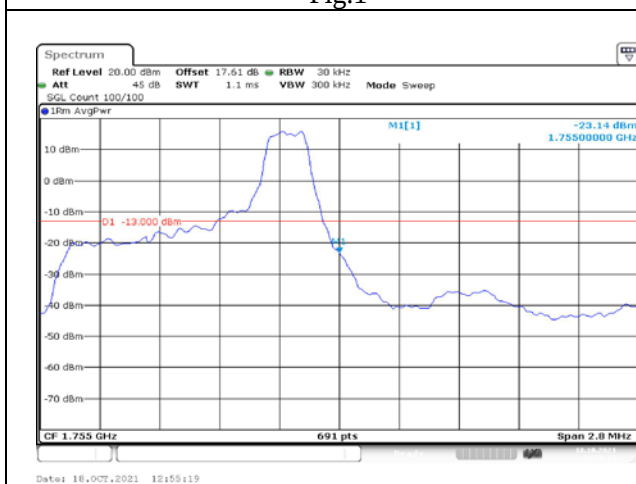
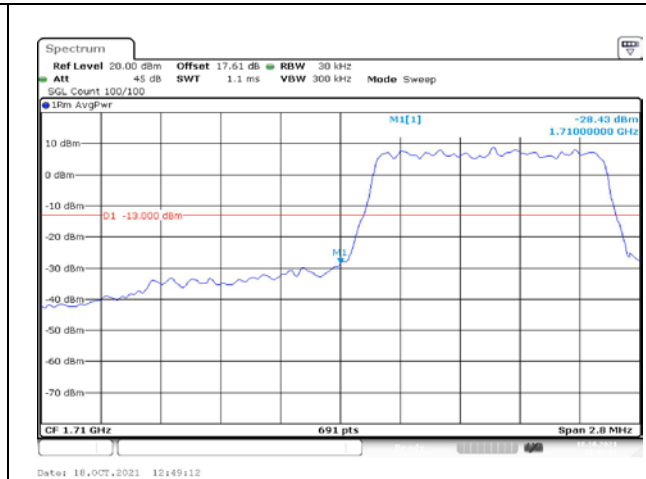
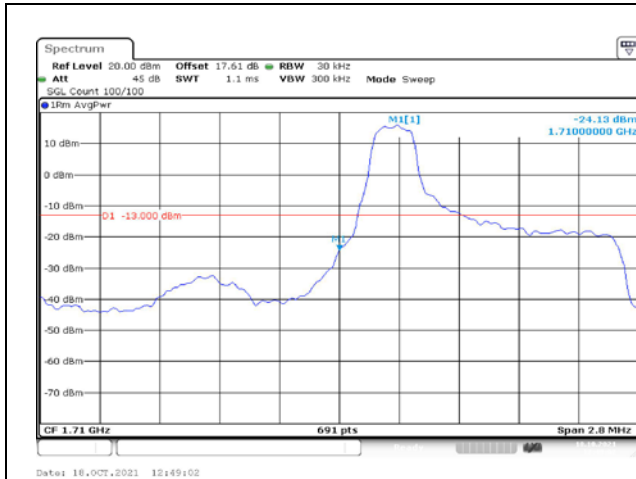


Fig.3

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



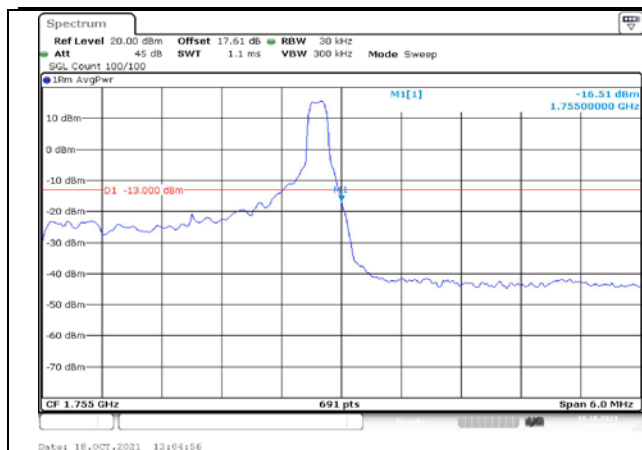


Fig.7

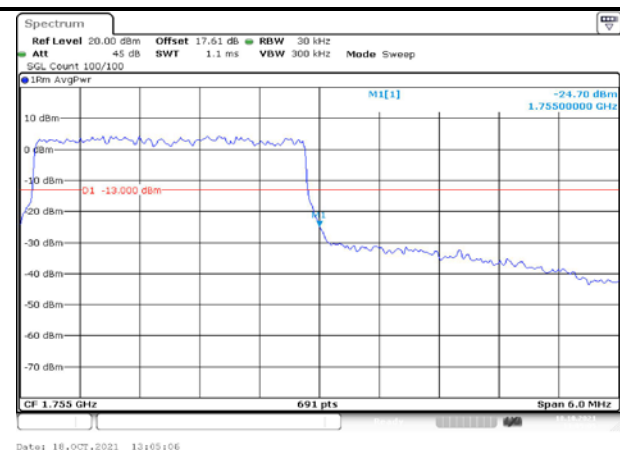


Fig.8

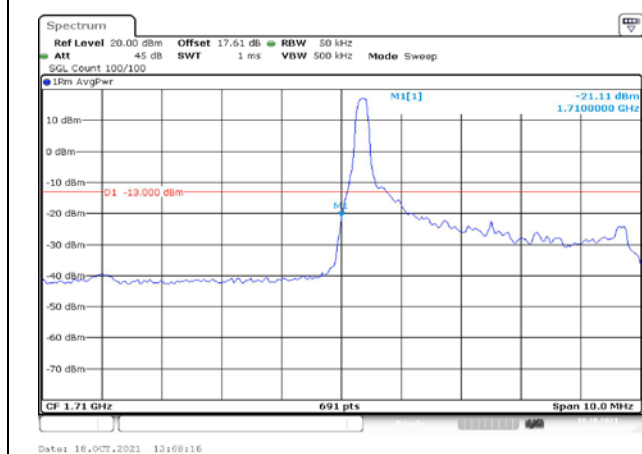


Fig.9

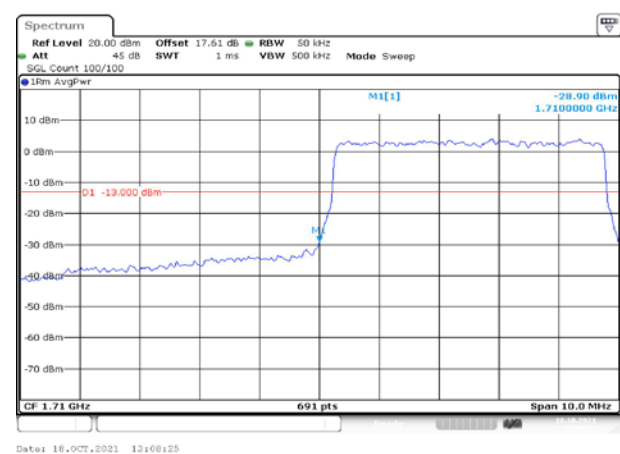


Fig.10

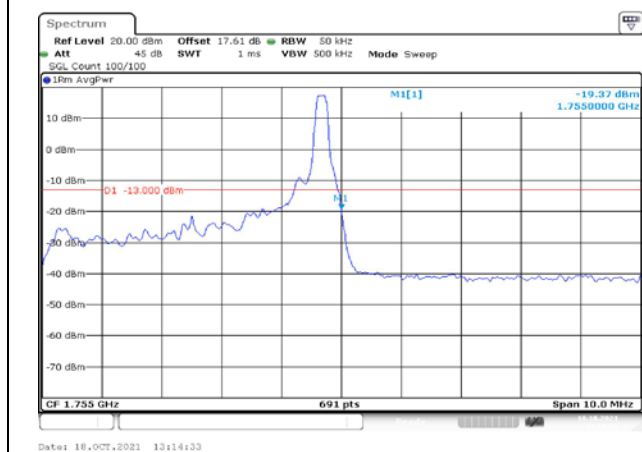


Fig.11

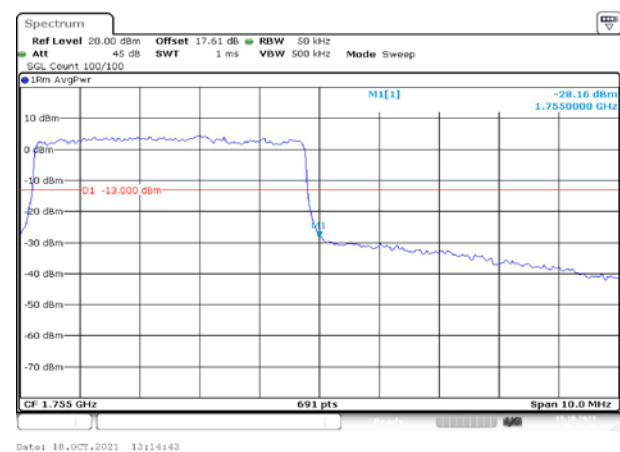
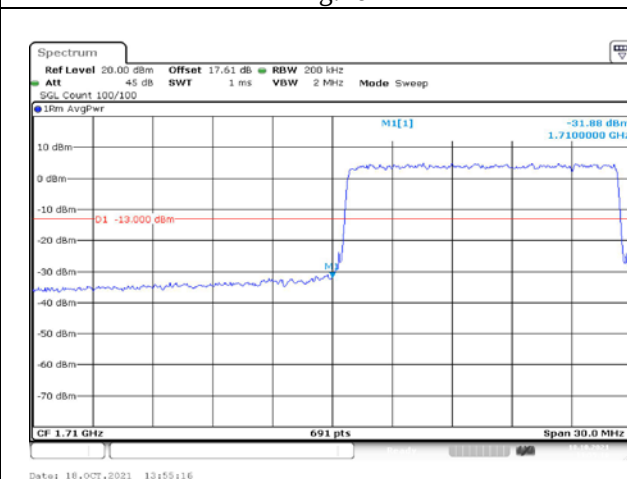
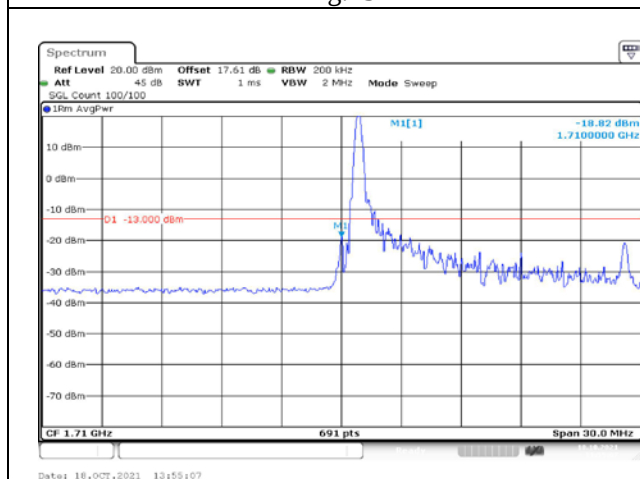
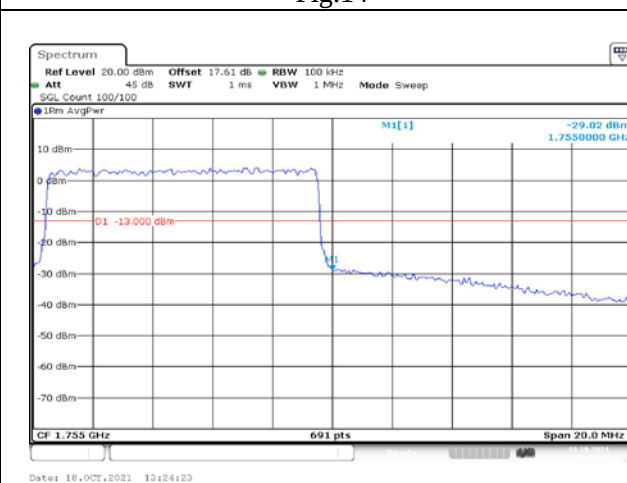
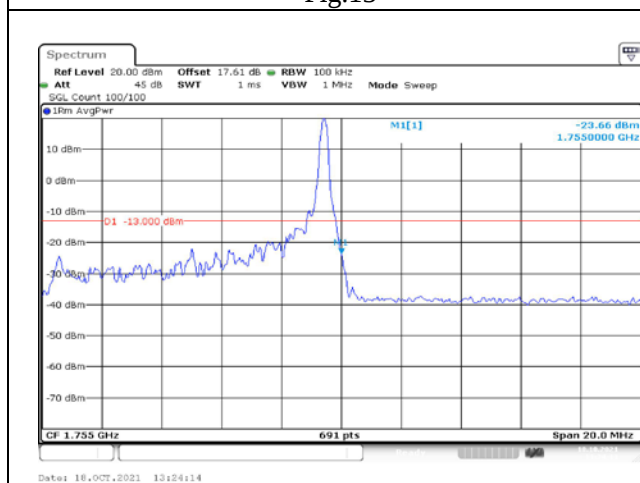
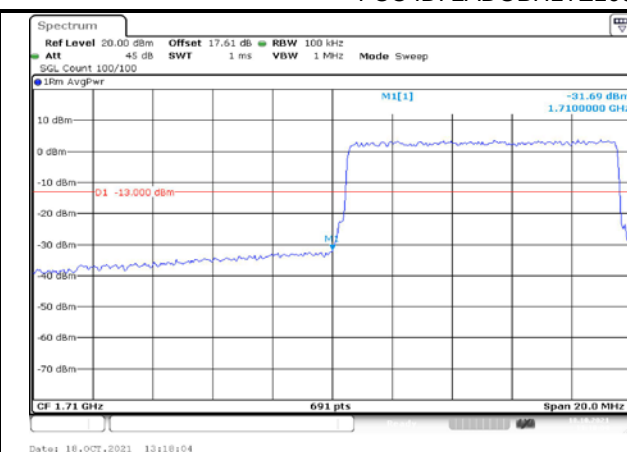
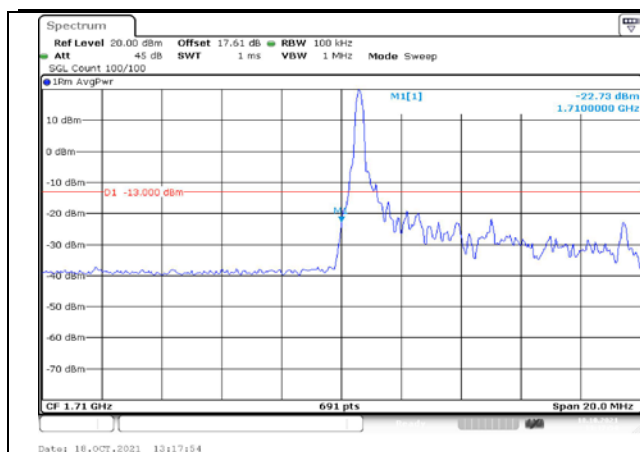


Fig.12



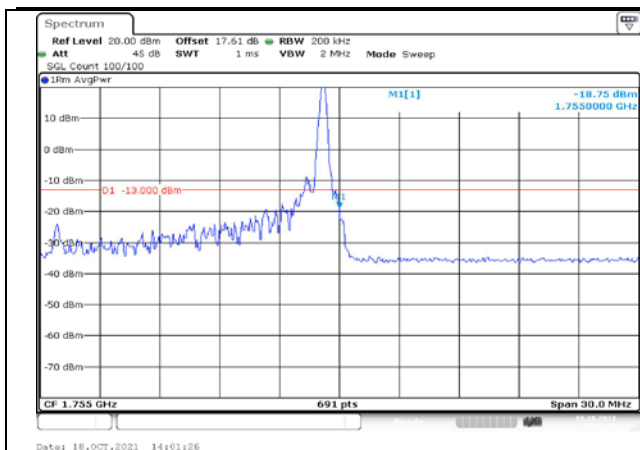


Fig.19

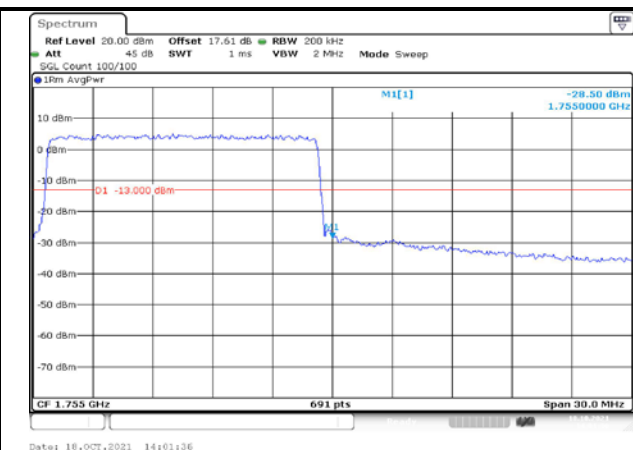


Fig.20

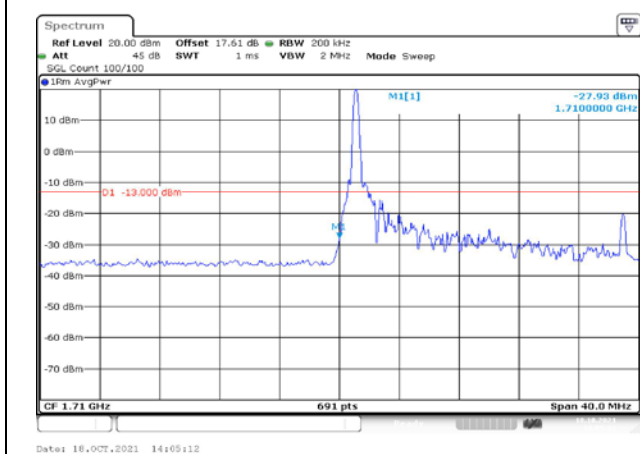


Fig.21

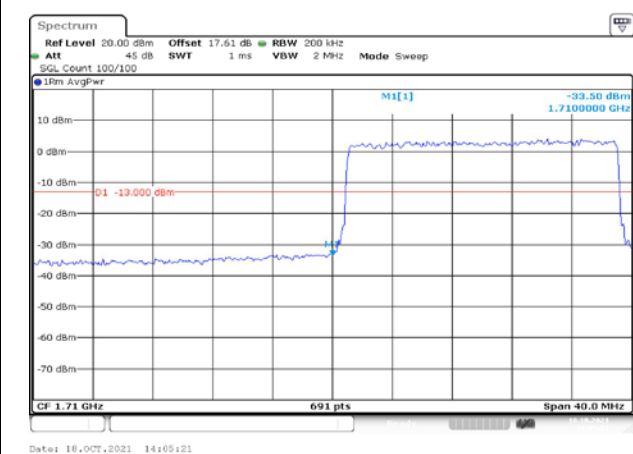


Fig.22

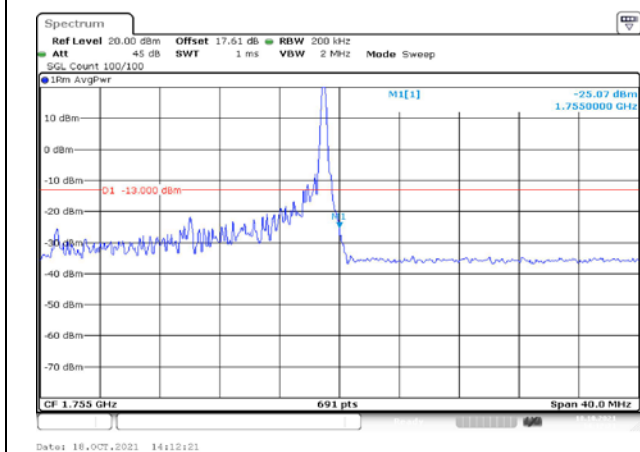


Fig.23

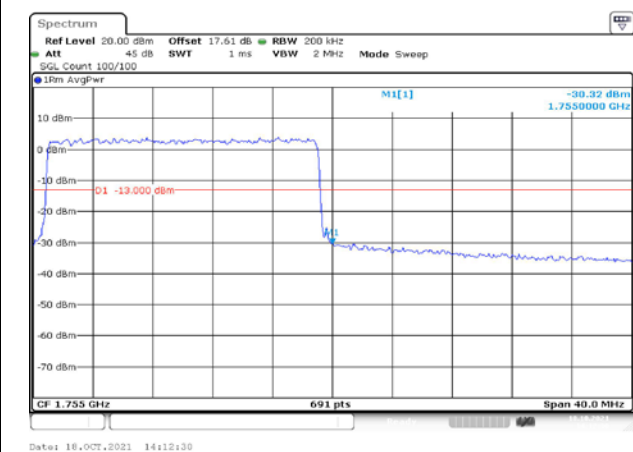


Fig.24

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 4 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	0.007	0.019	0.039	0.005	-0.017	-0.048
-20	NV	-0.013	0.047	0.031	0.001	-0.015	0.037
-10	NV	0.028	-0.015	-0.003	-0.002	0.004	-0.046
0	NV	-0.050	-0.021	-0.006	0.031	0.015	-0.004
+10	NV	0.020	0.002	-0.045	0.050	0.036	0.001
+30	NV	0.024	0.029	-0.030	0.000	-0.038	-0.045
+40	NV	0.016	0.027	0.014	0.022	-0.014	0.040
+50	NV	-0.047	0.035	-0.015	0.003	-0.031	0.025
+20	LV	0.006	0.026	-0.002	0.009	0.013	-0.050
+20	HV	0.034	0.043	-0.049	0.027	0.049	-0.008

Temperature(°C)	Voltage	Test Result (ppm) Band 4 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	0.030	0.003	-0.019	-0.039	0.036	-0.007
-20	NV	-0.007	-0.002	-0.002	0.009	0.036	-0.013
-10	NV	0.028	0.042	0.039	-0.007	-0.050	-0.009
0	NV	0.006	-0.034	-0.002	0.049	-0.033	-0.028
+10	NV	-0.005	0.020	-0.001	-0.038	-0.006	-0.035
+30	NV	0.017	-0.032	0.020	0.027	0.005	-0.031
+40	NV	-0.001	0.047	0.014	-0.030	0.002	-0.031
+50	NV	-0.034	0.005	0.016	-0.006	-0.027	0.018
+20	LV	0.046	-0.020	0.034	0.004	-0.035	-0.047
+20	HV	-0.049	0.001	0.013	0.045	0.034	-0.002

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequen- cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct- ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1710.7	19957	1.4	1	0	23.44	21.94	0.156
				1	3	23.34	21.84	0.153
				1	5	23.41	21.91	0.155
				3	0	23.49	21.99	0.158
				3	1	23.43	21.93	0.156
				3	3	23.41	21.91	0.155
				6	0	22.44	20.94	0.124
	1732.5	20175		1	0	23.79	22.29	0.169
				1	3	23.78	22.28	0.169
				1	5	23.83	22.33	0.171
				3	0	23.26	21.76	0.150
				3	1	23.32	21.82	0.152
				3	3	23.26	21.76	0.150
				6	0	22.51	21.01	0.126
	1754.3	20393		1	0	23.29	21.79	0.151
				1	3	23.35	21.85	0.153
				1	5	23.27	21.77	0.150
				3	0	23.20	21.70	0.148
				3	1	23.26	21.76	0.150
				3	3	23.17	21.67	0.147
				6	0	22.33	20.83	0.121

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	23.60	22.10	0.162
				1	3	23.61	22.11	0.163
				1	5	23.47	21.97	0.157
				3	0	23.76	22.26	0.168
				3	1	23.63	22.13	0.163
				3	3	23.72	22.22	0.167
				6	0	23.21	21.71	0.148
	1732.5	20175		1	0	23.71	22.21	0.166
				1	3	23.73	22.23	0.167
				1	5	23.73	22.23	0.167
				3	0	23.76	22.26	0.168
				3	1	23.71	22.21	0.166
				3	3	23.74	22.24	0.167
				6	0	23.13	21.63	0.146
	1754.3	20393		1	0	24.14	22.64	0.184
				1	3	24.17	22.67	0.185
				1	5	24.15	22.65	0.184
				3	0	23.84	22.34	0.171
				3	1	23.86	22.36	0.172
				3	3	23.79	22.29	0.169
				6	0	23.26	21.76	0.150

Modulation	Carrier frequern cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1711.5	19965	3	1	0	23.39	21.89	0.155
				1	8	23.37	21.87	0.154
				1	14	23.36	21.86	0.153
				8	0	22.34	20.84	0.121
				8	4	22.33	20.83	0.121
				8	7	22.30	20.80	0.120
				15	0	22.26	20.76	0.119
	1732.5	20175		1	0	23.80	22.30	0.170
				1	8	23.73	22.23	0.167
				1	14	23.75	22.25	0.168
				8	0	22.27	20.77	0.119
				8	4	22.21	20.71	0.118
				8	7	22.29	20.79	0.120
				15	0	22.36	20.86	0.122
	1753.5	20385		1	0	23.30	21.80	0.151
				1	8	23.33	21.83	0.152
				1	14	23.36	21.86	0.153
				8	0	22.18	20.68	0.117
				8	4	22.19	20.69	0.117
				8	7	22.23	20.73	0.118
				15	0	22.44	20.94	0.124

Modulation	Carrier frequern 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	23.65	22.15	0.164
				1	8	23.62	22.12	0.163
				1	14	23.72	22.22	0.167
				8	0	23.16	21.66	0.147
				8	4	23.24	21.74	0.149
				8	7	23.16	21.66	0.147
				15	0	23.19	21.69	0.148
	1732.5	20175		1	0	23.68	22.18	0.165
				1	8	23.62	22.12	0.163
				1	14	23.70	22.20	0.166
				8	0	23.21	21.71	0.148
				8	4	23.07	21.57	0.144
				8	7	23.13	21.63	0.146
				15	0	23.12	21.62	0.145
	1753.5	20385		1	0	24.13	22.63	0.183
				1	8	24.06	22.56	0.180
				1	14	24.18	22.68	0.185
				8	0	23.27	21.77	0.150
				8	4	23.27	21.77	0.150
				8	7	23.33	21.83	0.152
				15	0	23.38	21.88	0.154

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1712.5	19975	5	1	0	22.85	21.35	0.136
				1	12	22.85	21.35	0.136
				1	24	22.68	21.18	0.131
				12	0	22.20	20.70	0.117
				12	7	22.12	20.62	0.115
				12	13	22.17	20.67	0.117
				25	0	22.32	20.82	0.121
	1732.5	20175		1	0	23.35	21.85	0.153
				1	12	23.23	21.73	0.149
				1	24	23.24	21.74	0.149
				12	0	22.04	20.54	0.113
				12	7	21.99	20.49	0.112
				12	13	22.02	20.52	0.113
				25	0	22.18	20.68	0.117
	1752.5	20375		1	0	23.48	21.98	0.158
				1	12	23.55	22.05	0.160
				1	24	23.58	22.08	0.161
				12	0	22.18	20.68	0.117
				12	7	22.30	20.80	0.120
				12	13	22.23	20.73	0.118
				25	0	22.46	20.96	0.125

Modulation	Carrier frequern 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	23.83	22.33	0.171
				1	12	23.69	22.19	0.166
				1	24	23.71	22.21	0.166
				12	0	23.19	21.69	0.148
				12	7	23.11	21.61	0.145
				12	13	23.17	21.67	0.147
				25	0	23.19	21.69	0.148
	1732.5	20175		1	0	23.54	22.04	0.160
				1	12	23.40	21.90	0.155
				1	24	23.58	22.08	0.161
				12	0	23.21	21.71	0.148
				12	7	23.24	21.74	0.149
				12	13	23.08	21.58	0.144
				25	0	23.08	21.58	0.144
	1752.5	20375		1	0	23.87	22.37	0.173
				1	12	23.93	22.43	0.175
				1	24	23.93	22.43	0.175
				12	0	23.24	21.74	0.149
				12	7	23.33	21.83	0.152
				12	13	23.34	21.84	0.153
				25	0	23.42	21.92	0.156

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1715	20000	10	1	0	24.12	22.62	0.183
				1	25	24.09	22.59	0.182
				1	49	24.10	22.60	0.182
				25	0	22.35	20.85	0.122
				25	12	22.36	20.86	0.122
				25	25	22.29	20.79	0.120
				50	0	22.25	20.75	0.119
	1732.5	20175		1	0	23.60	22.10	0.162
				1	25	23.67	22.17	0.165
				1	49	23.66	22.16	0.164
				25	0	22.30	20.80	0.120
				25	12	22.27	20.77	0.119
				25	25	22.28	20.78	0.120
				50	0	22.33	20.83	0.121
	1750	20350		1	0	23.58	22.08	0.161
				1	25	23.58	22.08	0.161
				1	49	23.62	22.12	0.163
				25	0	22.44	20.94	0.124
				25	12	22.42	20.92	0.124
				25	25	22.44	20.94	0.124
				50	0	22.43	20.93	0.124

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	23.87	22.37	0.173
				1	25	23.78	22.28	0.169
				1	49	23.78	22.28	0.169
				25	0	23.29	21.79	0.151
				25	12	23.12	21.62	0.145
				25	25	23.26	21.76	0.150
				50	0	23.11	21.61	0.145
	1732.5	20175		1	0	23.79	22.29	0.169
				1	25	23.78	22.28	0.169
				1	49	23.79	22.29	0.169
				25	0	23.19	21.69	0.148
				25	12	23.22	21.72	0.149
				25	25	23.14	21.64	0.146
				50	0	23.08	21.58	0.144
	1750	20350		1	0	23.78	22.28	0.169
				1	25	23.79	22.29	0.169
				1	49	23.81	22.31	0.170
				25	0	23.23	21.73	0.149
				25	12	23.29	21.79	0.151
				25	25	23.32	21.82	0.152
				50	0	23.27	21.77	0.150

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1732.5	20175	15	1	0	23.93	22.43	0.175
				1	37	23.94	22.44	0.175
				1	74	23.92	22.42	0.175
				36	0	22.47	20.97	0.125
				36	29	22.50	21.00	0.126
				36	30	22.51	21.01	0.126
				75	0	22.45	20.95	0.124
	1747.5	20325		1	0	23.80	22.30	0.170
				1	37	23.78	22.28	0.169
				1	74	23.80	22.30	0.170
				36	0	22.53	21.03	0.127
				36	29	22.45	20.95	0.124
				36	30	22.45	20.95	0.124
				75	0	22.50	21.00	0.126
	1717.5	20025		1	0	24.37	22.87	0.194
				1	37	24.14	22.64	0.184
				1	74	24.13	22.63	0.183
				36	0	22.47	20.97	0.125
				36	29	22.44	20.94	0.124
				36	30	22.34	20.84	0.121
				75	0	22.41	20.91	0.123

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1732.5	20175	15	1	0	23.88	22.38	0.173
				1	37	23.83	22.33	0.171
				1	74	23.89	22.39	0.173
				36	0	23.34	21.84	0.153
				36	29	23.24	21.74	0.149
				36	30	23.24	21.74	0.149
				75	0	23.38	21.88	0.154
	1747.5	20325		1	0	23.74	22.24	0.167
				1	37	23.87	22.37	0.173
				1	74	23.85	22.35	0.172
				36	0	23.49	21.99	0.158
				36	29	23.39	21.89	0.155
				36	30	23.39	21.89	0.155
				75	0	23.38	21.88	0.154
	1717.5	20025		1	0	23.90	22.40	0.174
				1	37	23.68	22.18	0.165
				1	74	23.88	22.38	0.173
				36	0	23.30	21.80	0.151
				36	29	23.26	21.76	0.150
				36	30	23.38	21.88	0.154
				75	0	23.30	21.80	0.151

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	1720	20050	20	1	0	23.72	22.22	0.167
				1	49	23.73	22.23	0.167
				1	99	23.76	22.26	0.168
				50	0	22.29	20.79	0.120
				50	24	22.31	20.81	0.121
				50	50	22.25	20.75	0.119
				100	0	22.22	20.72	0.118
	1732.5	20175		1	0	23.46	21.96	0.157
				1	49	23.37	21.87	0.154
				1	99	23.50	22.00	0.158
				50	0	22.31	20.81	0.121
				50	24	22.35	20.85	0.122
				50	50	22.37	20.87	0.122
				100	0	22.24	20.74	0.119
	1745	20300		1	0	23.37	21.87	0.154
				1	49	23.45	21.95	0.157
				1	99	23.51	22.01	0.159
				50	0	22.21	20.71	0.118
				50	24	22.35	20.85	0.122
				50	50	22.37	20.87	0.122
				100	0	22.41	20.91	0.123

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	1720	20050	20	1	0	23.65	22.15	0.164
				1	49	23.47	21.97	0.157
				1	99	23.58	22.08	0.161
				50	0	23.09	21.59	0.144
				50	24	23.13	21.63	0.146
				50	50	23.02	21.52	0.142
				100	0	23.18	21.68	0.147
	1732.5	20175		1	0	23.67	22.17	0.165
				1	49	23.63	22.13	0.163
				1	99	23.80	22.30	0.170
				50	0	23.18	21.68	0.147
				50	24	23.10	21.60	0.145
				50	50	23.23	21.73	0.149
				100	0	23.25	21.75	0.150
	1745	20300		1	0	23.60	22.10	0.162
				1	49	23.66	22.16	0.164
				1	99	23.78	22.28	0.169
				50	0	23.20	21.70	0.148
				50	24	23.24	21.74	0.149
				50	50	23.34	21.84	0.153
				100	0	23.25	21.75	0.150