



Fig.19

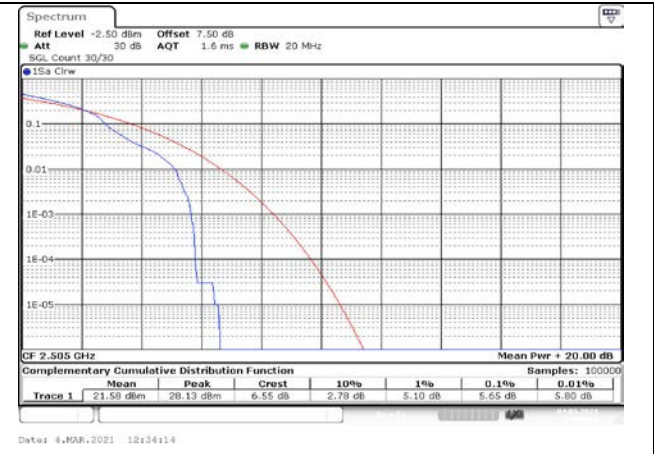


Fig.20

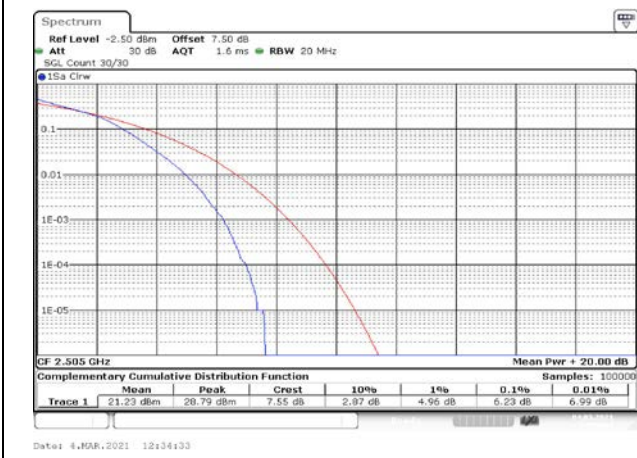


Fig.21

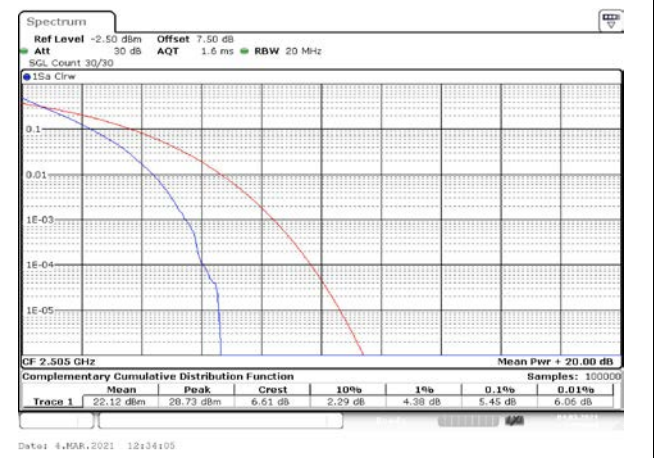


Fig.22

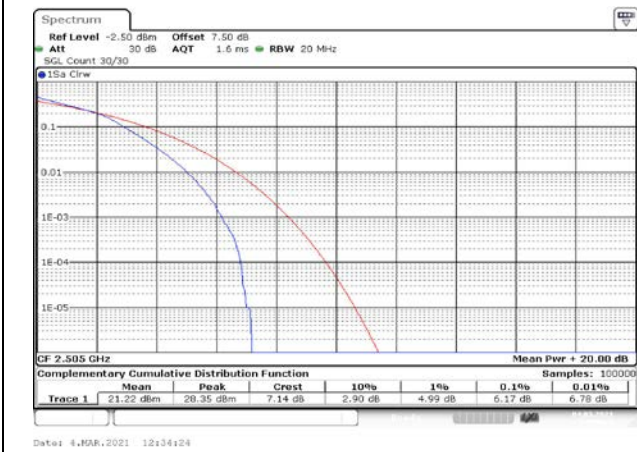


Fig.23

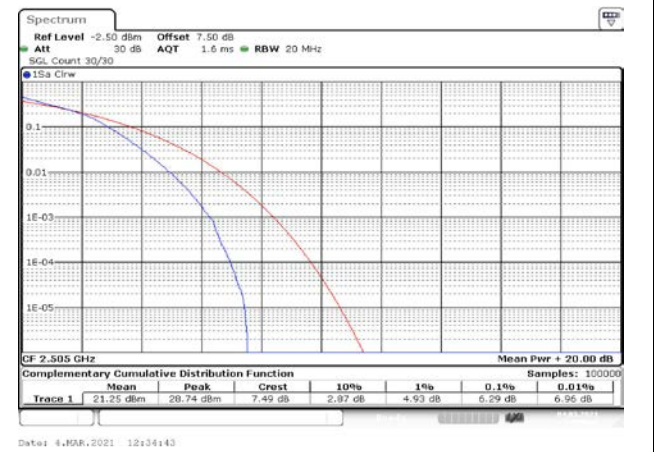


Fig.24

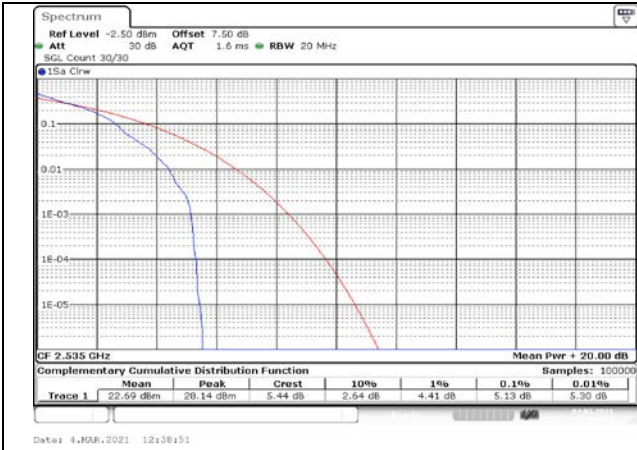


Fig.25

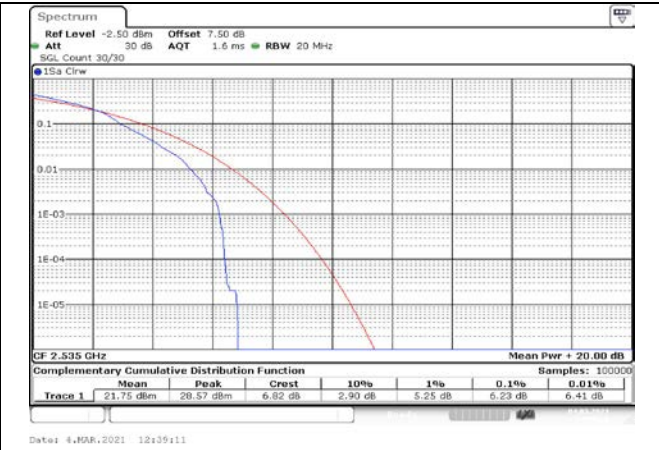


Fig.26

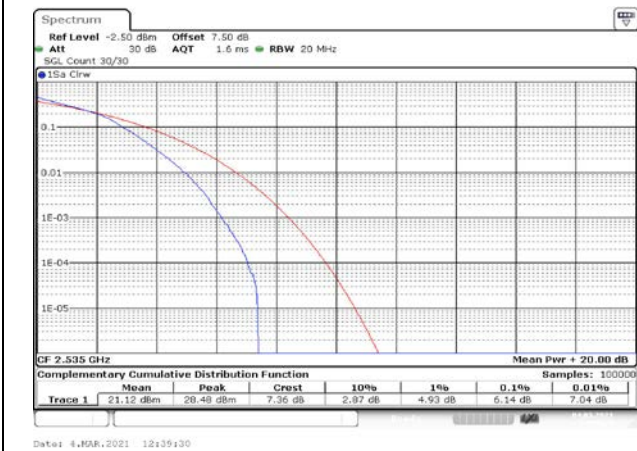


Fig.27

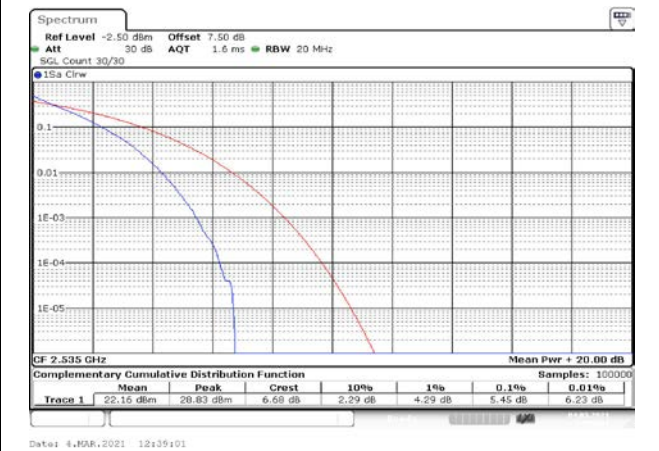


Fig.28

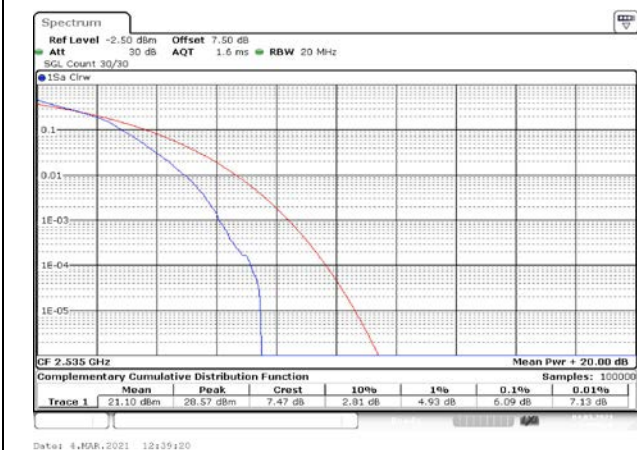


Fig.29

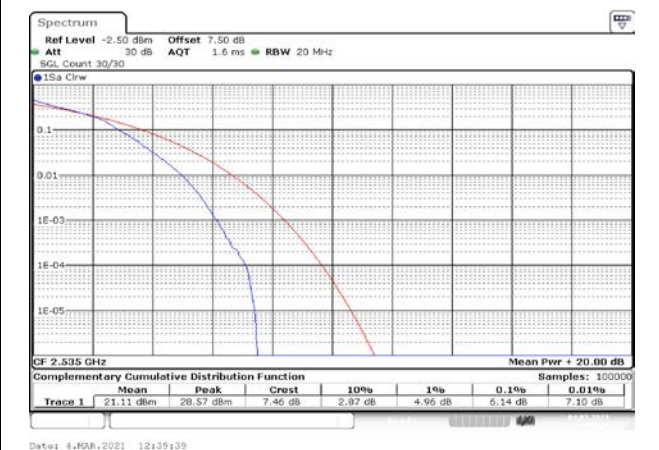


Fig.30

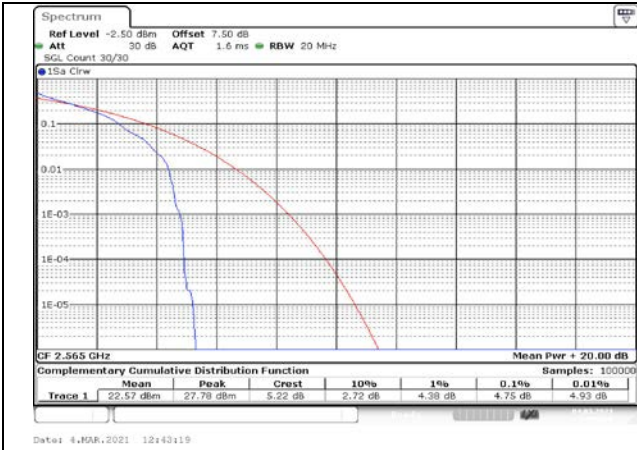


Fig.31

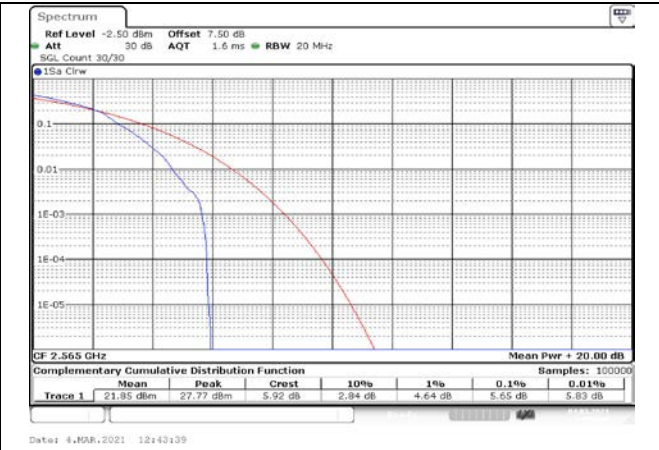


Fig.32

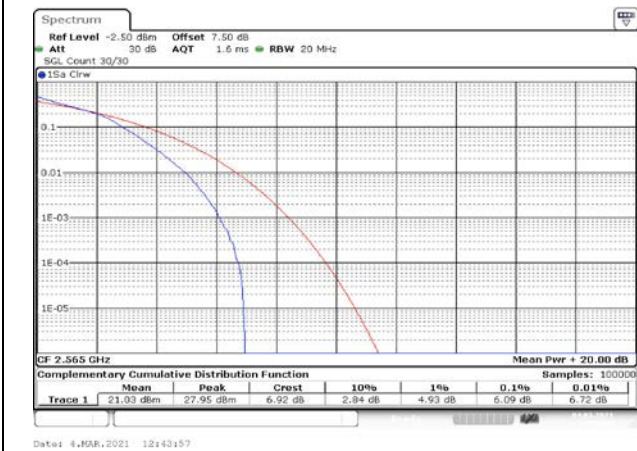


Fig.33

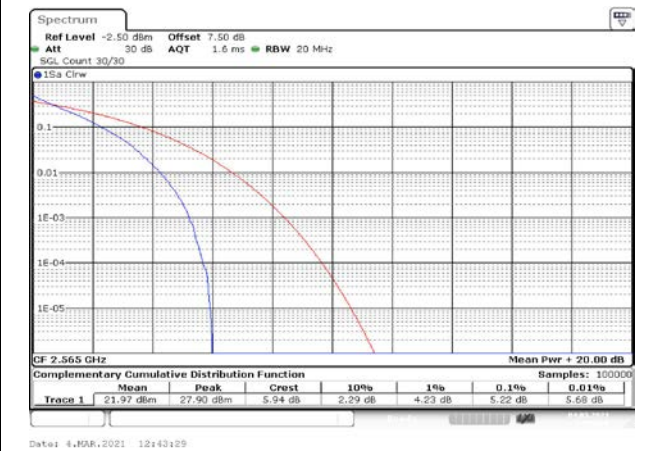


Fig.34

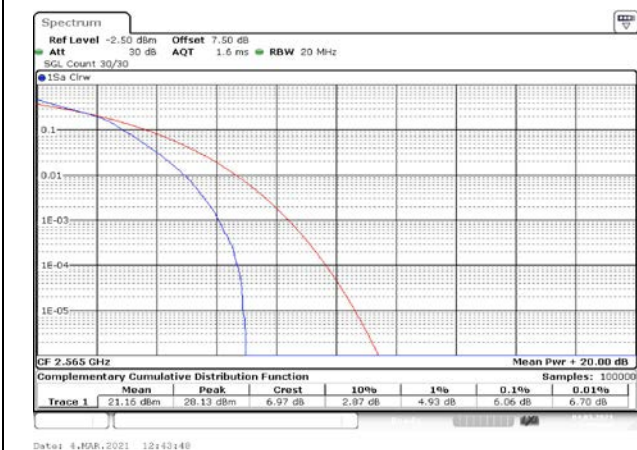


Fig.35

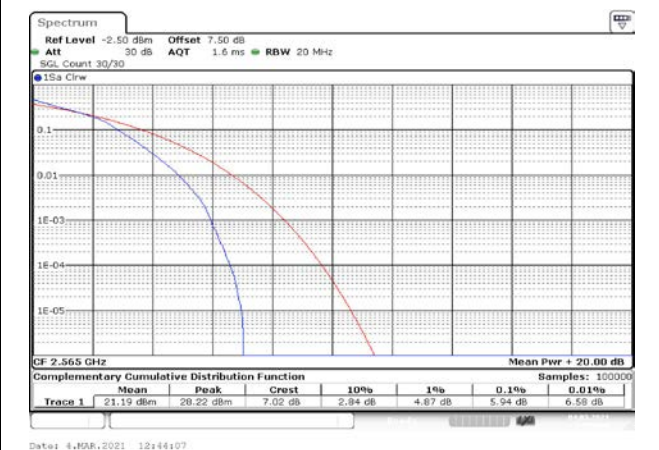


Fig.36

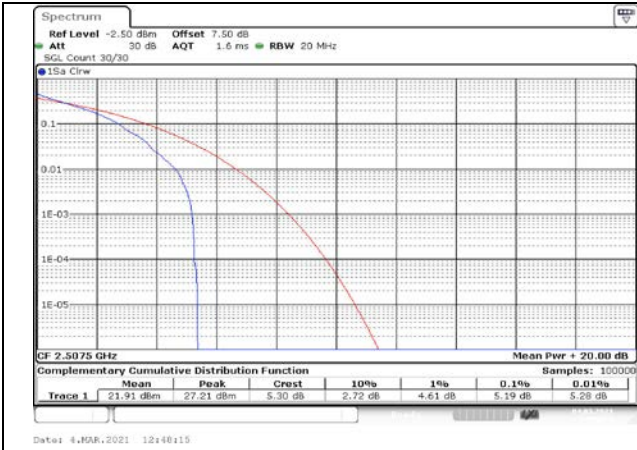


Fig.37

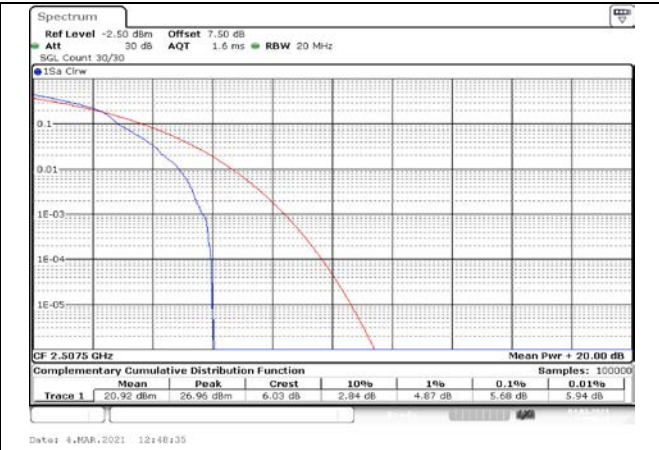


Fig.38

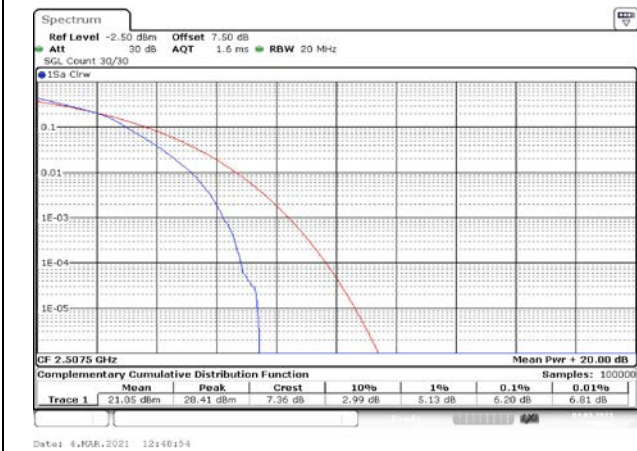


Fig.39

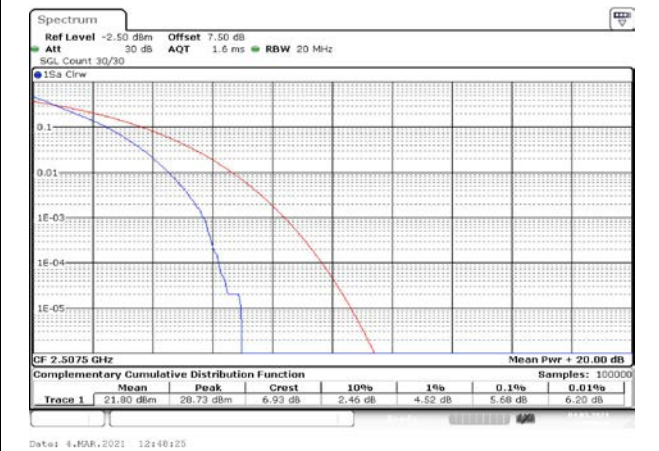


Fig.40

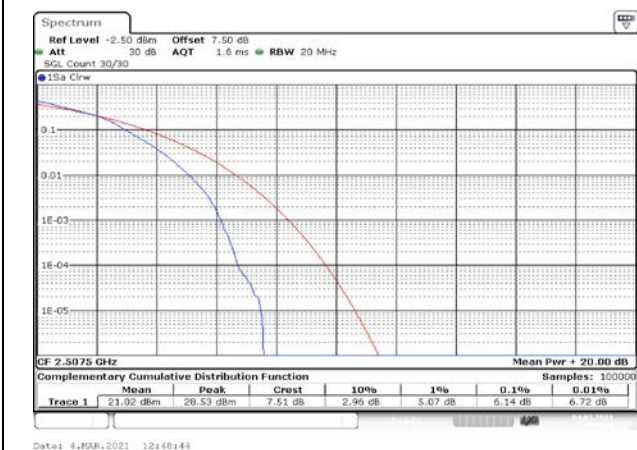


Fig.41

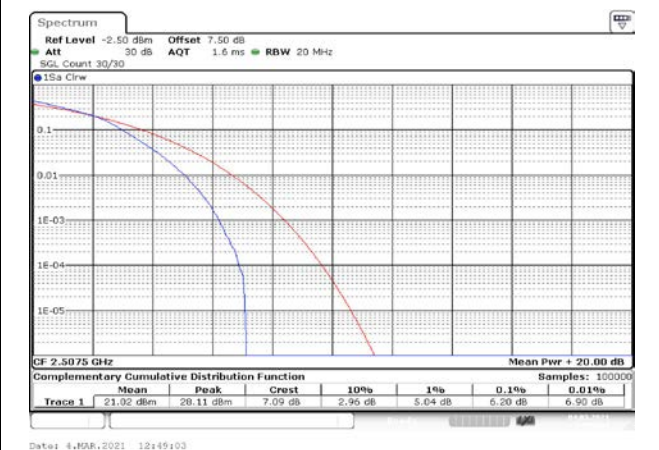


Fig.42

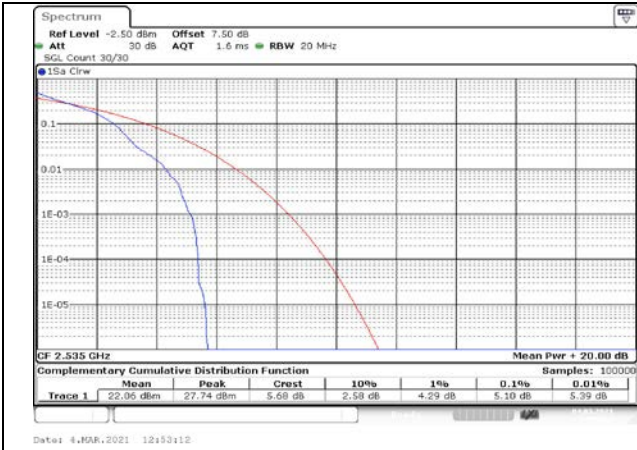


Fig.43

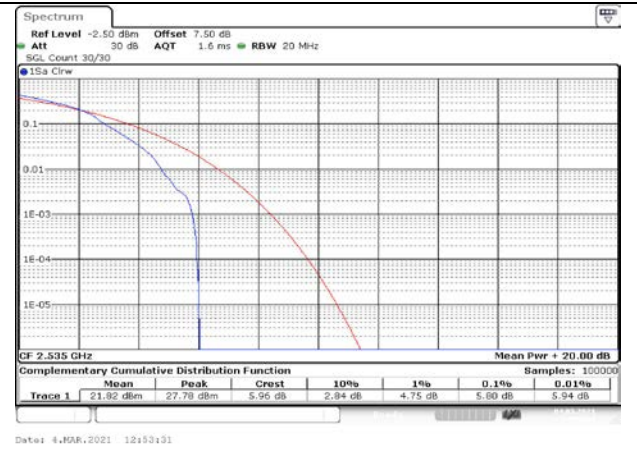


Fig.44

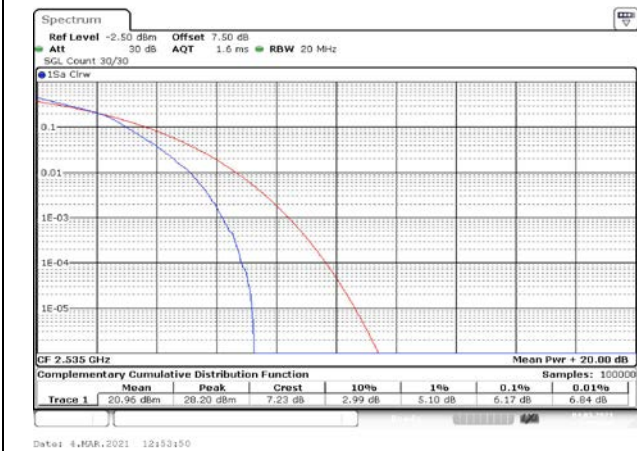


Fig.45

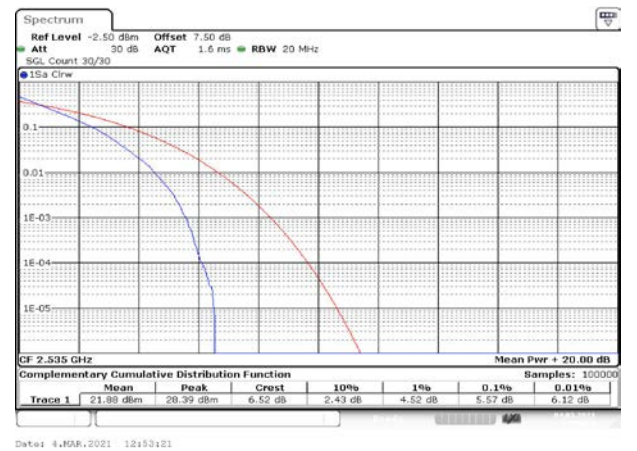


Fig.46

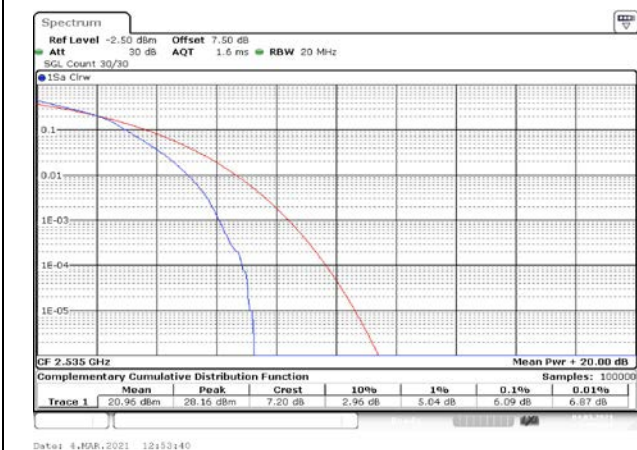


Fig.47

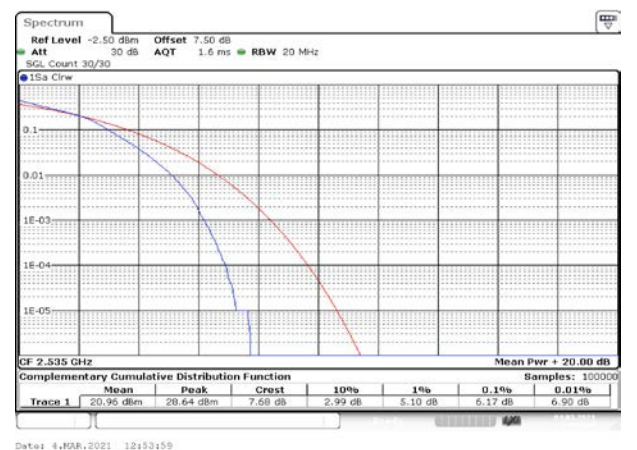


Fig.48

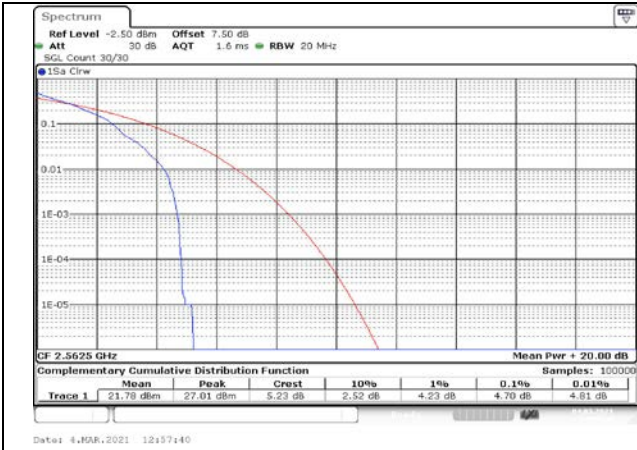


Fig.49

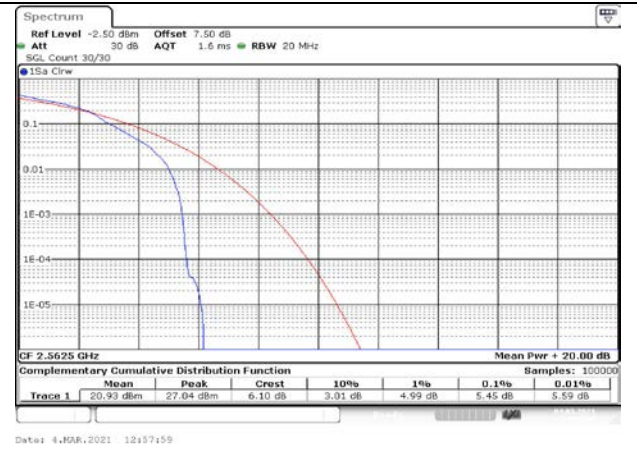


Fig.50

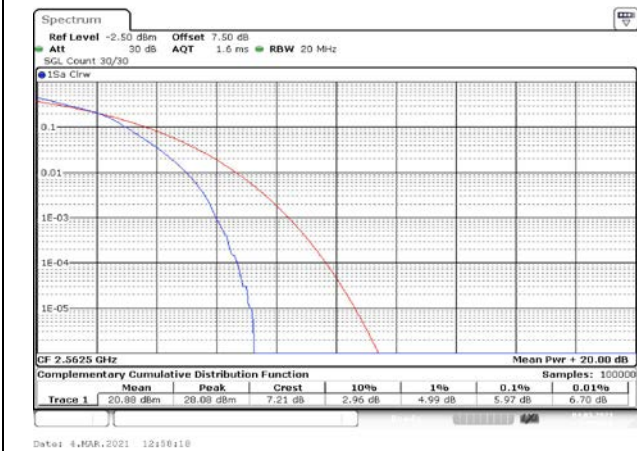


Fig.51

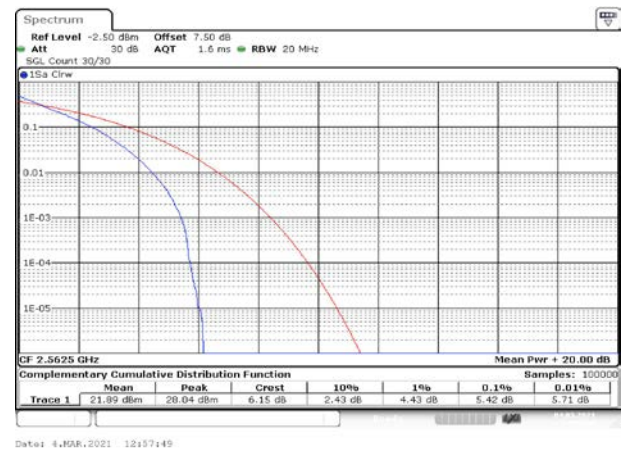


Fig.52

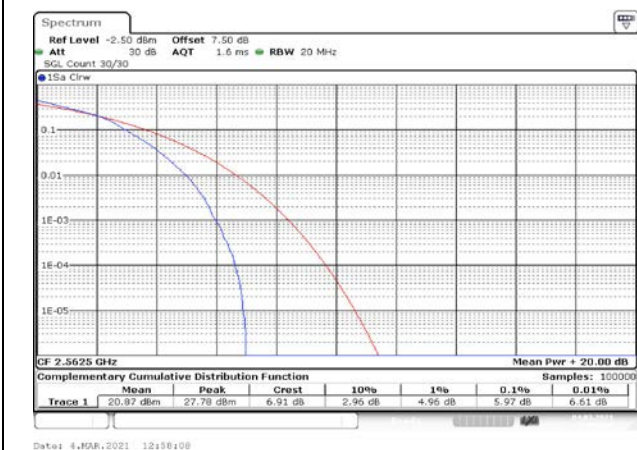


Fig.53

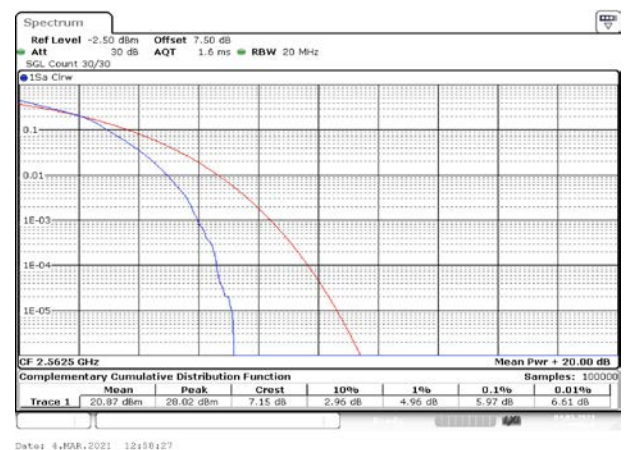


Fig.54

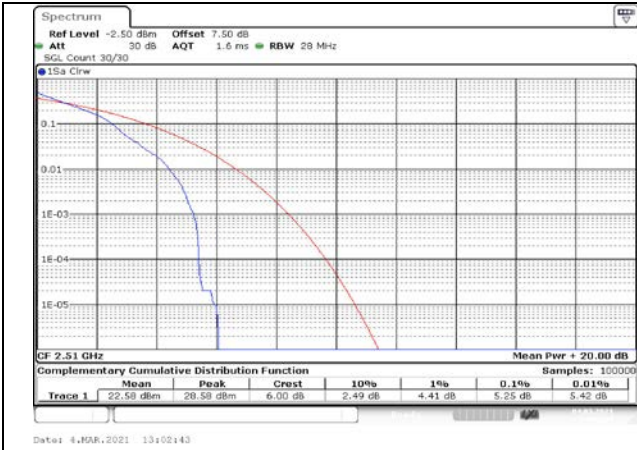


Fig.55

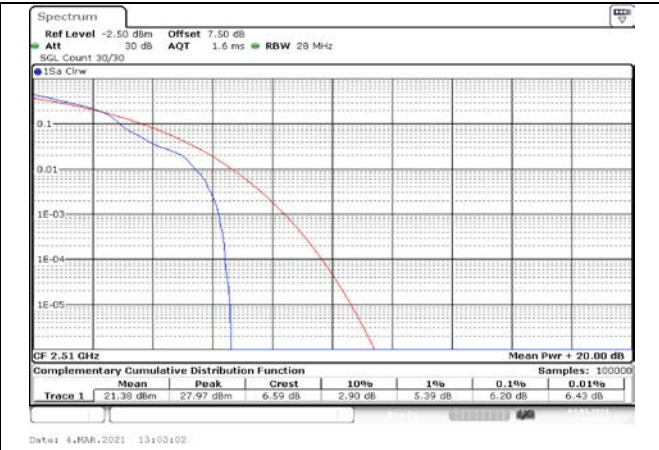


Fig.56

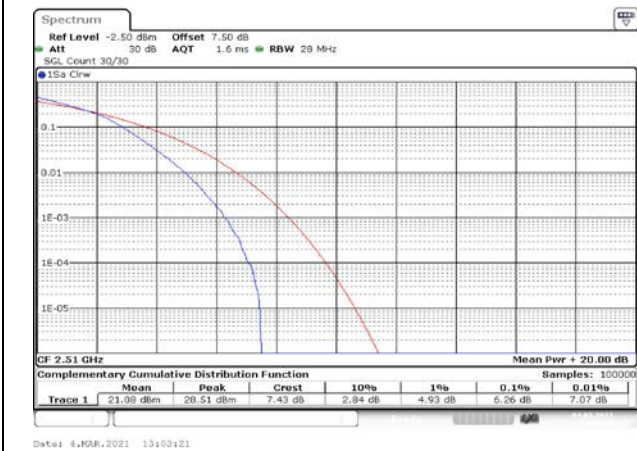


Fig.57

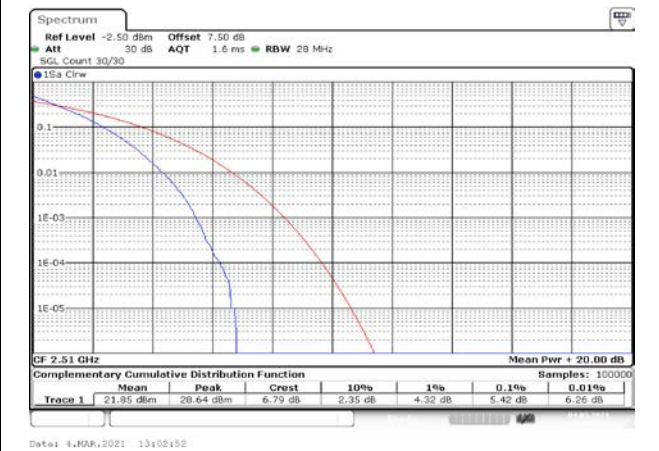


Fig.58

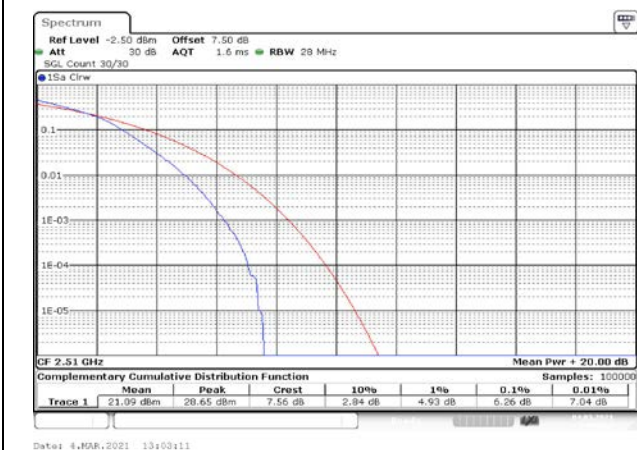


Fig.59

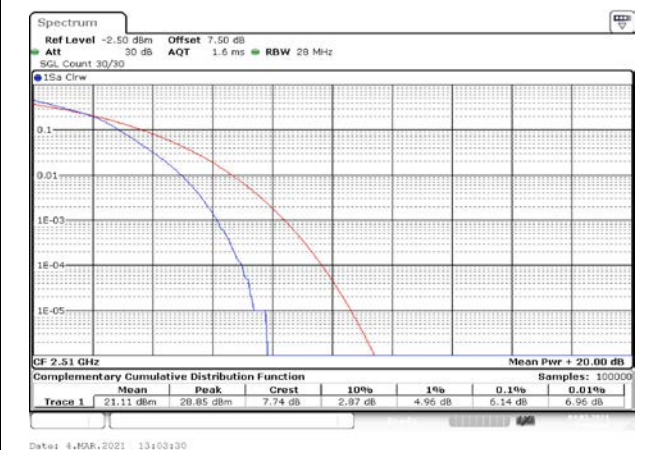


Fig.60

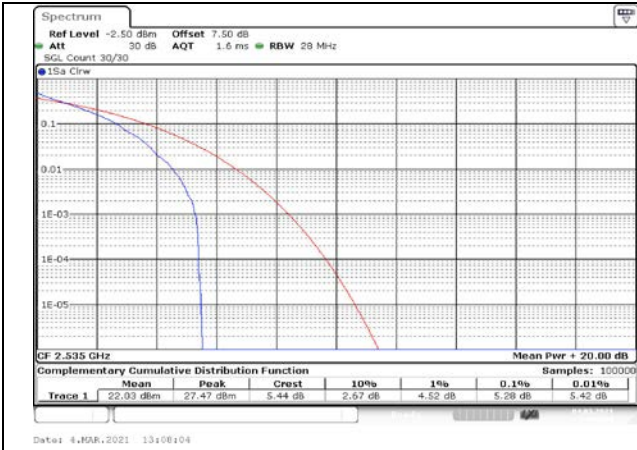


Fig.61

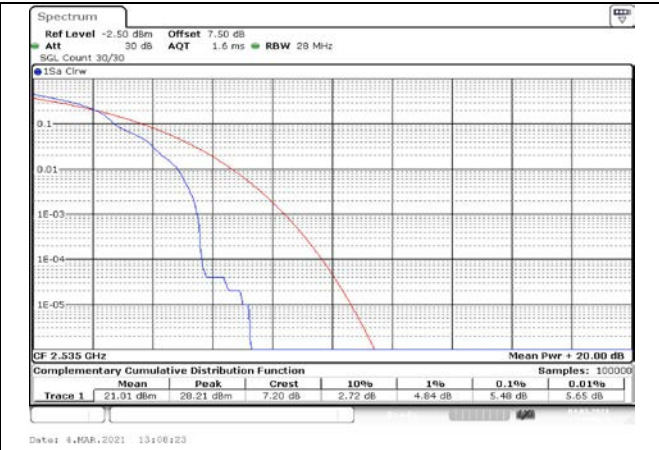


Fig.62

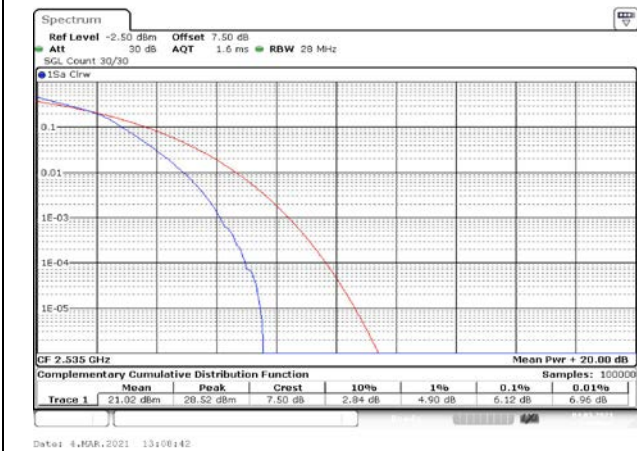


Fig.63

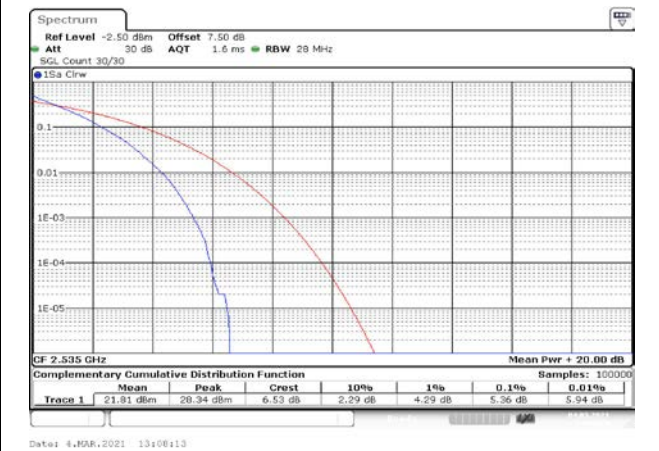


Fig.64

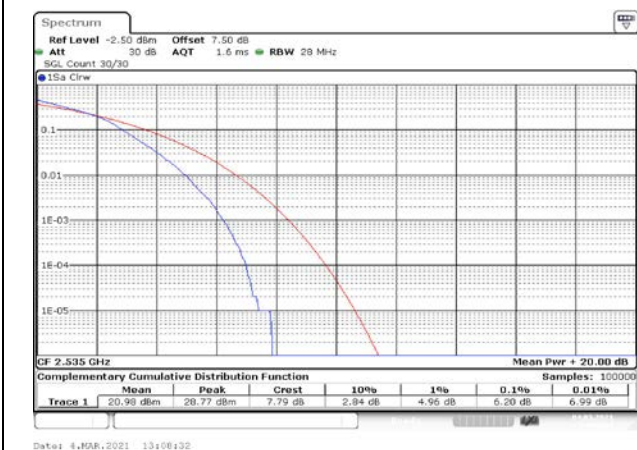


Fig.65

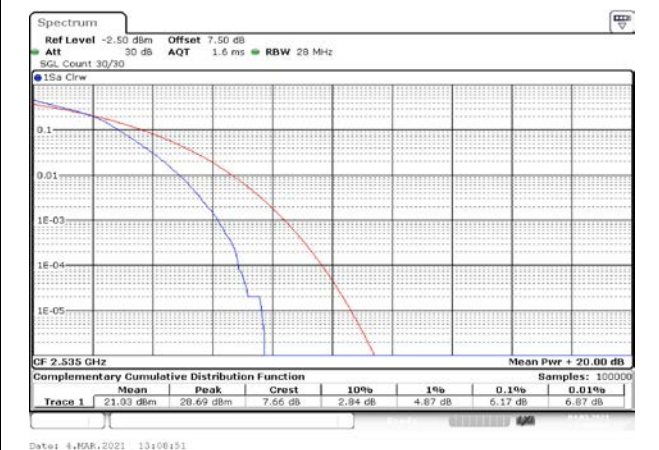


Fig.66



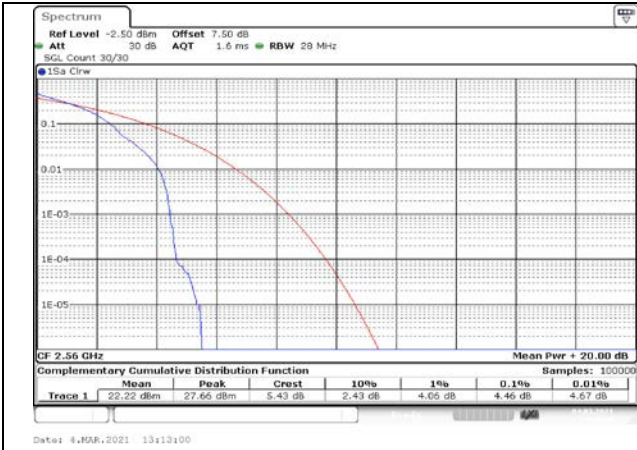


Fig.67

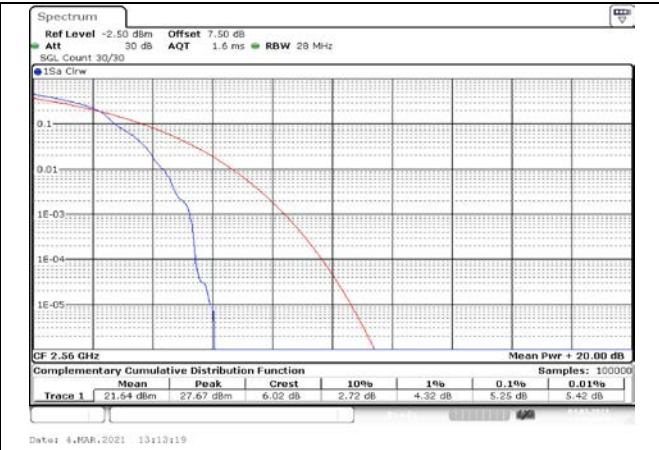


Fig.68

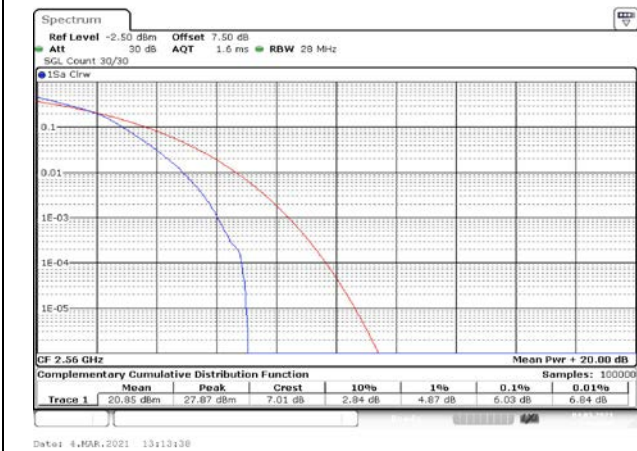


Fig.69

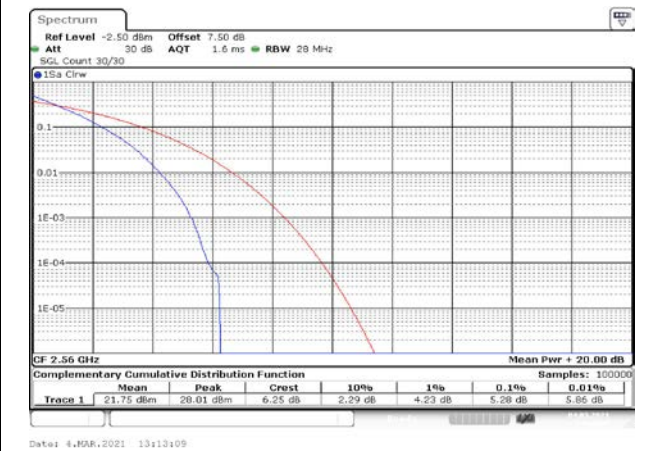


Fig.70

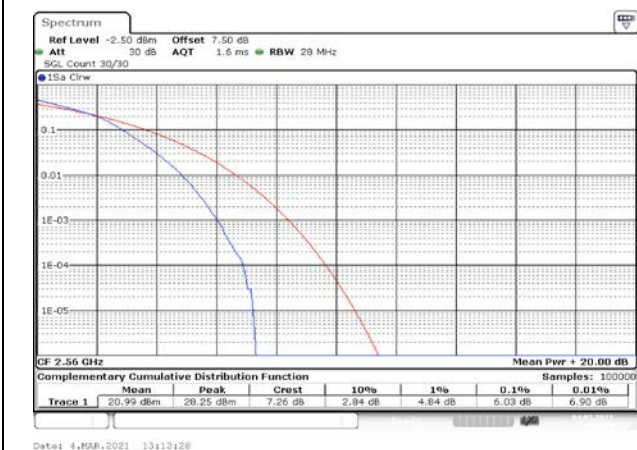


Fig.71

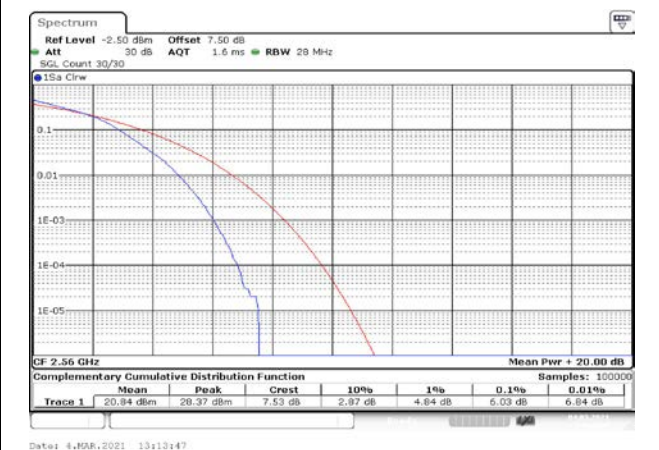


Fig.72

**5 Spurious Emissions at antenna terminal**

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
7	2510	20850	20	1	0	Fig.1
	2535	21100		1	0	Fig.2
	2560	21350		1	0	Fig.3

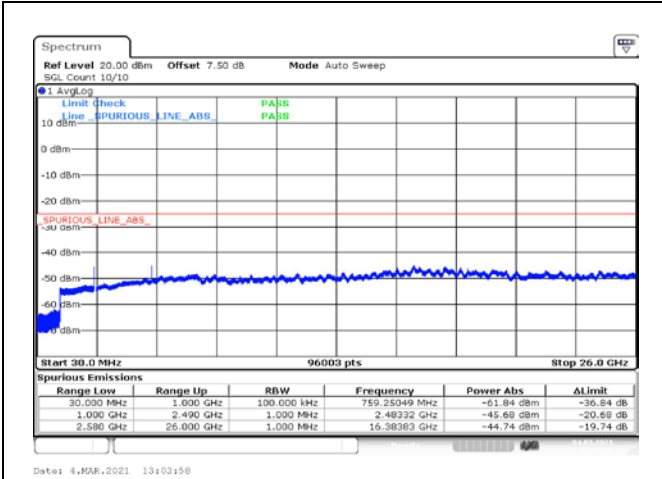


Fig.1

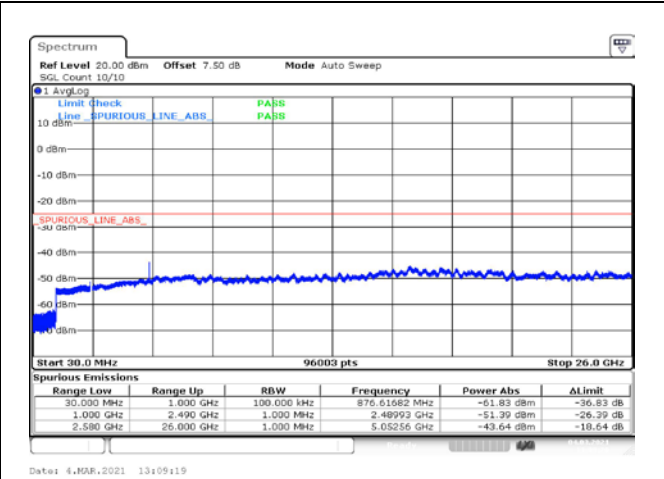


Fig.2

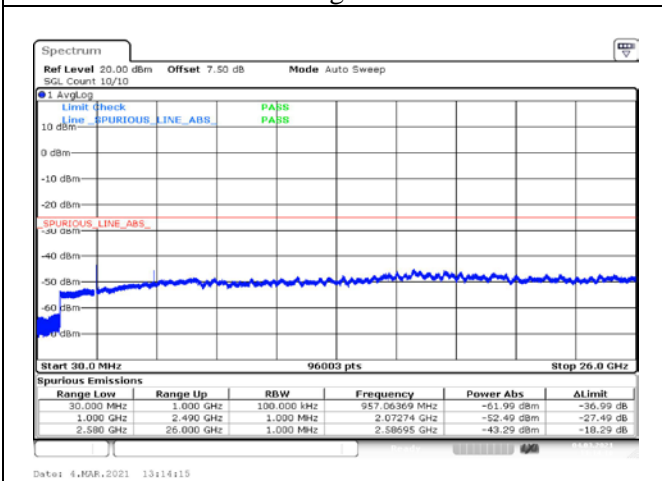


Fig.3

## 6 Band Edges Compliance

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
						QPSK
7	2502.5	20775	5	1	0	Fig.1
				25	0	Fig.2
	2567.5	21425		1	24	Fig.3
				25	0	Fig.4
	2505	20800	10	1	0	Fig.5
				50	0	Fig.6
	2565	21400		1	49	Fig.7
				50	0	Fig.8
	2507.5	20825	15	1	0	Fig.9
				75	0	Fig.10
	2562.5	21375		1	74	Fig.11
				75	0	Fig.12
	2510	20850	20	1	0	Fig.13
				100	0	Fig.14
	2560	21350		1	99	Fig.15
				100	0	Fig.16

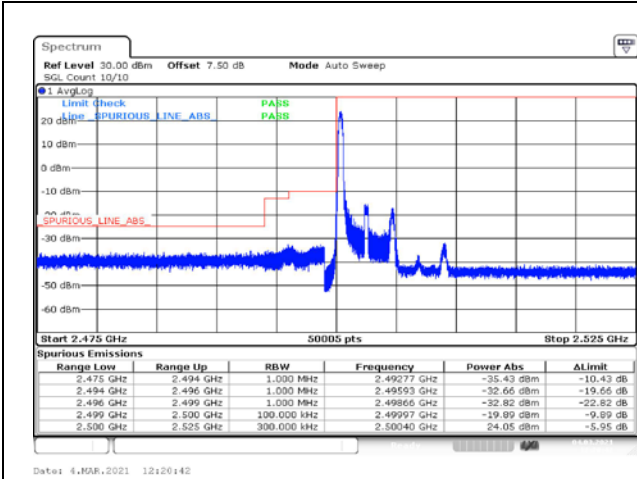


Fig.1

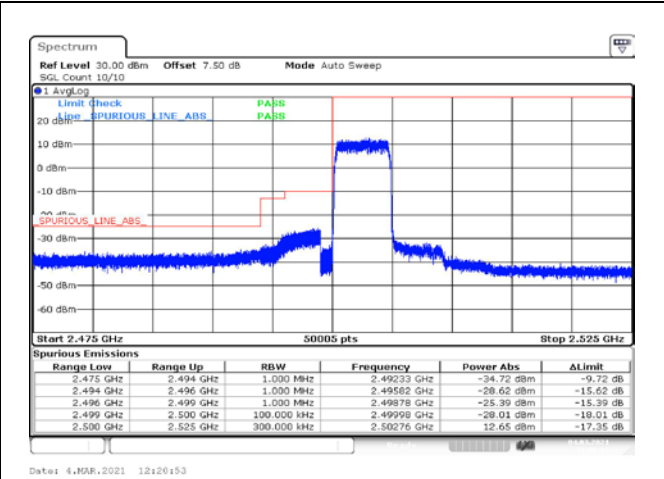


Fig.2

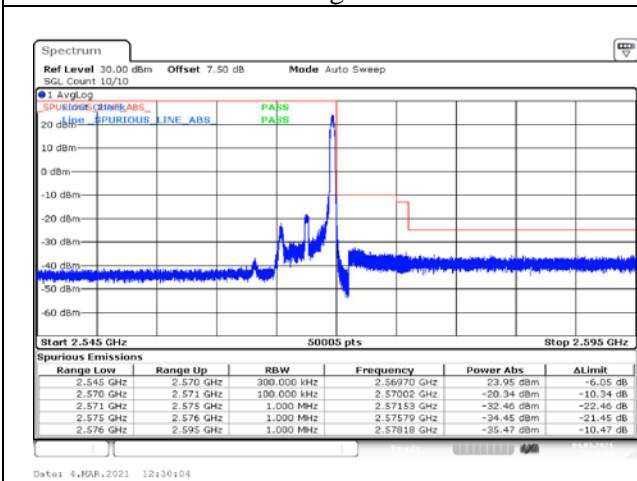


Fig.3

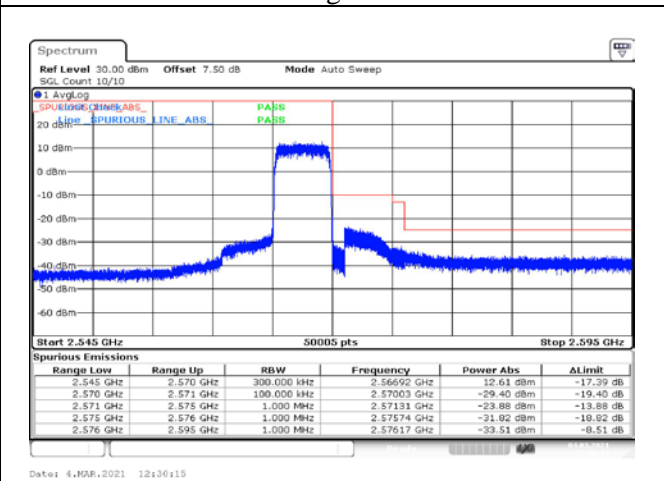


Fig.4

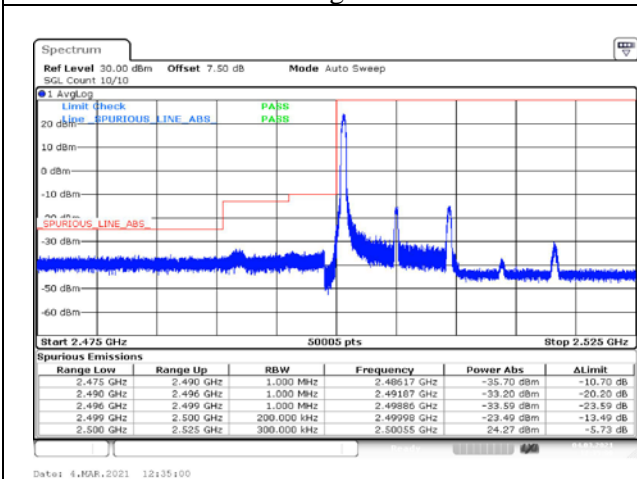


Fig.5

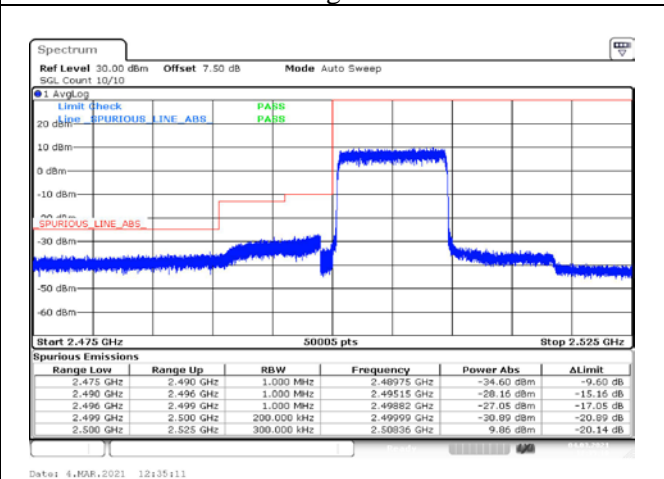


Fig.6

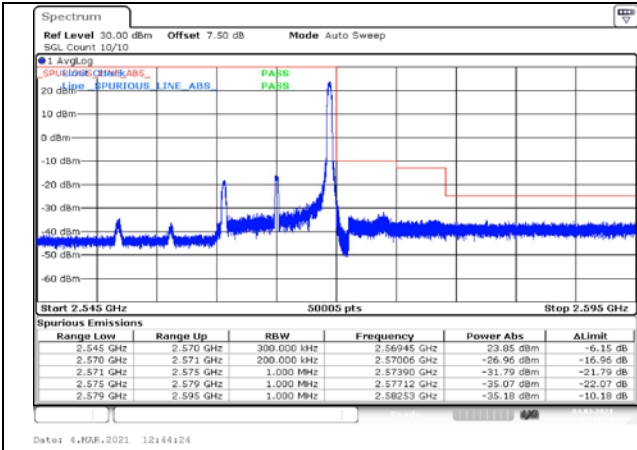


Fig.7

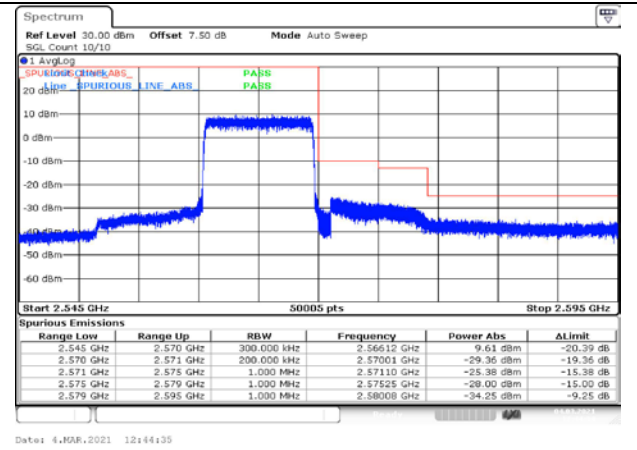


Fig.8

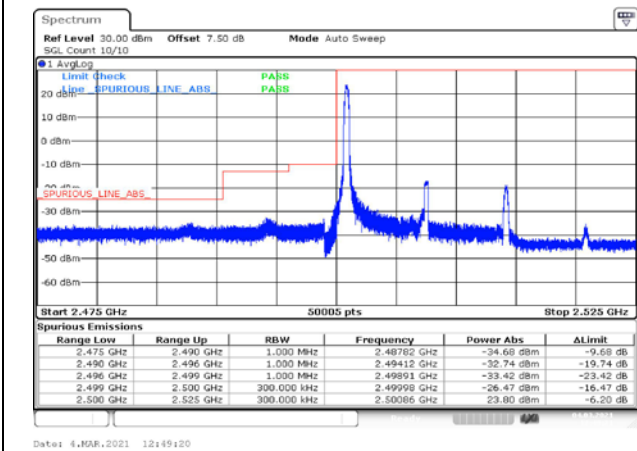


Fig.9

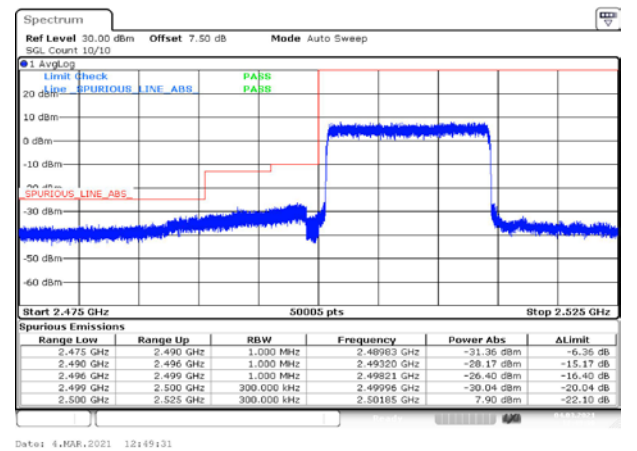


Fig.10

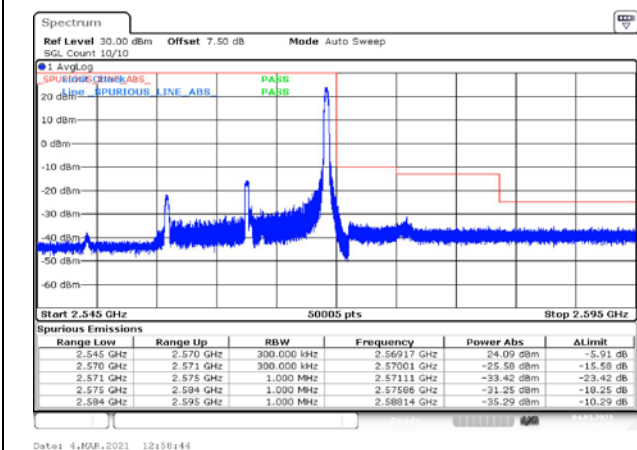


Fig.11

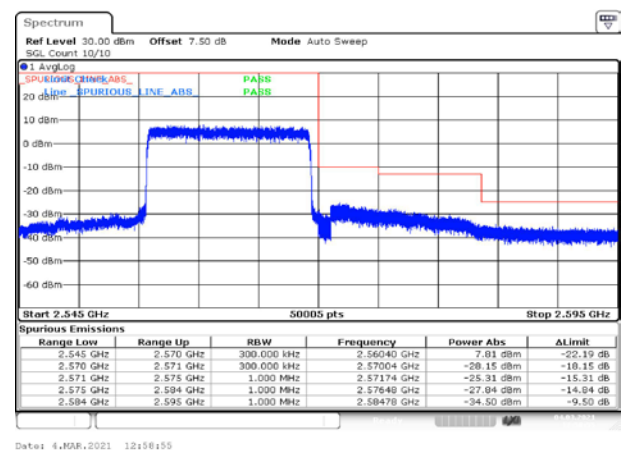


Fig.12

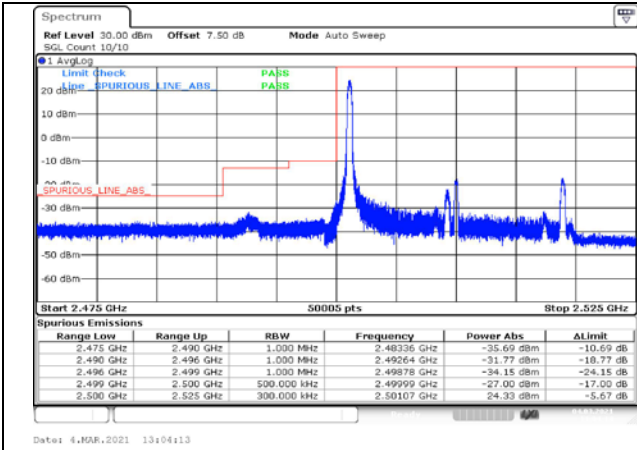


Fig.13

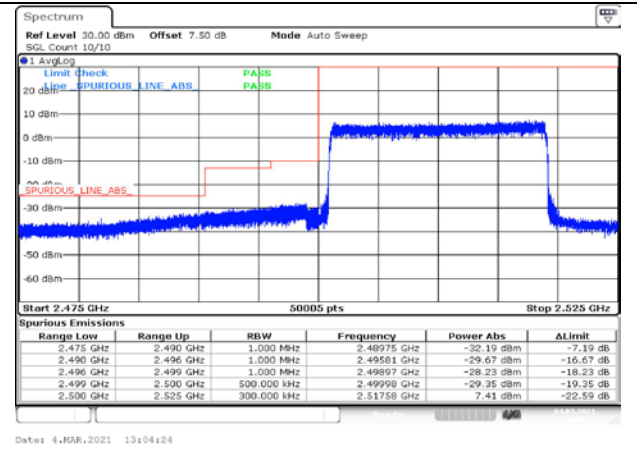


Fig.14

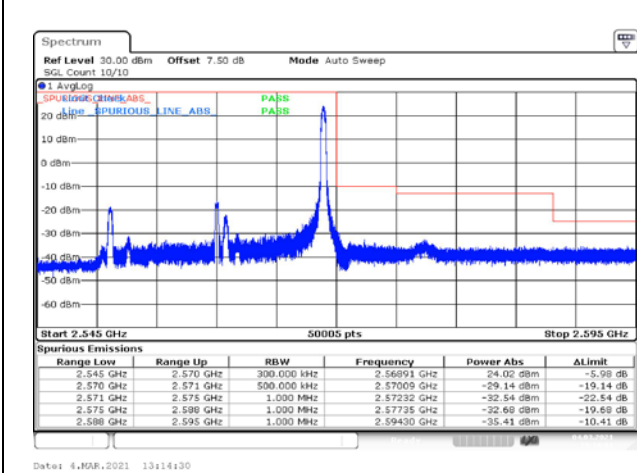


Fig.15

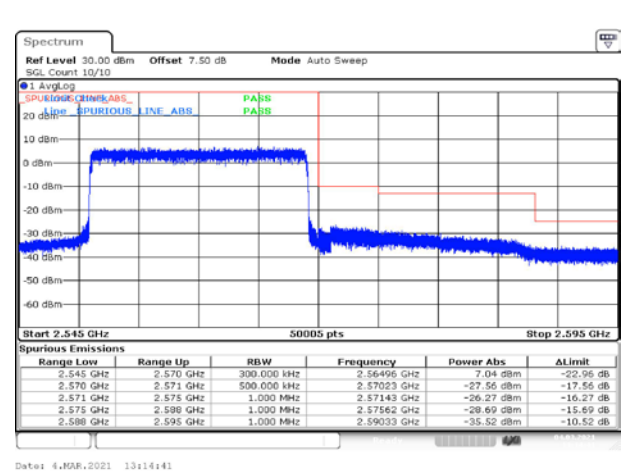


Fig.16

## 7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band7 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	---	---	0.003	0.016	-0.002	0.004
0	NV	---	---	0.005	0.005	-0.007	0.004
+10	NV	---	---	-0.001	0.002	-0.007	0.004
+20	NV	---	---	0.008	0.001	0.007	0.006
+30	NV	---	---	0.009	0.011	0.015	-0.003
+40	NV	---	---	-0.001	0.010	0.013	0.014
+50	NV	---	---	-0.004	0.007	0.014	-0.002
+20	LV	---	---	0.012	0.005	---	-0.003
+20	HV	---	---	-0.013	0.002	-0.008	0.001

Temperature(°C)	Voltage	Test Result (ppm) Band7 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-10	NV	---	---	-0.014	-0.008	-0.012	-0.010
0	NV	---	---	-0.005	-0.005	-0.009	-0.016
+10	NV	---	---	-0.019	-0.014	-0.019	-0.009
+20	NV	---	---	0.001	-0.008	-0.006	-0.001
+30	NV	---	---	-0.017	-0.009	-0.016	-0.011
+40	NV	---	---	-0.001	-0.012	-0.017	-0.008
+50	NV	---	---	-0.008	-0.002	-0.010	-0.004
+20	LV	---	---	-0.014	-0.009	-0.014	0.001
+20	HV	---	---	-0.019	0.005	-0.012	0.005



### 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	2502.5	20775	5	1	0	23.29	23.49	0.223
				1	12	23.26	23.46	0.222
				1	24	23.37	23.57	0.228
				12	0	22.38	22.58	0.181
				12	7	22.43	22.63	0.183
				12	13	22.49	22.69	0.186
	25	0		22.41	22.61	0.182		
	2535	21100		1	0	23.39	23.59	0.229
				1	12	23.29	23.49	0.223
				1	24	23.28	23.48	0.223
				12	0	22.40	22.60	0.182
				12	7	22.31	22.51	0.178
				12	13	22.32	22.52	0.179
	25	0		22.36	22.56	0.180		
	2567.5	21425		1	0	23.45	23.65	0.232
				1	12	23.40	23.60	0.229
				1	24	23.37	23.57	0.228
				12	0	22.50	22.70	0.186
12			7	22.47	22.67	0.185		
12			13	22.46	22.66	0.185		
16QAM	2502.5	20775	25	0	22.37	22.57	0.181	
			1	0	22.42	22.62	0.183	
			1	12	22.44	22.64	0.184	
			1	24	22.42	22.62	0.183	
			12	0	21.40	21.60	0.145	
			12	7	21.47	21.67	0.147	
	12	13	21.46	21.66	0.147			
	25	0	21.57	21.77	0.150			
	2535	21100	1	0	21.81	22.01	0.159	
			1	12	21.64	21.84	0.153	
			1	24	21.80	22.00	0.158	
			12	0	21.36	21.56	0.143	
			12	7	21.43	21.63	0.146	
			12	13	21.39	21.59	0.144	
	25	0	21.54	21.74	0.149			
	2567.5	21425	1	0	22.39	22.59	0.182	
			1	12	22.39	22.59	0.182	
			1	24	22.43	22.63	0.183	
12			0	21.39	21.59	0.144		
12			7	21.27	21.47	0.140		
12			13	21.28	21.48	0.141		

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				25	0	21.38	21.58	0.144
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Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2502.5	20775	5	1	0	21.61	21.81	0.152
				1	12	21.65	21.85	0.153
				1	24	21.54	21.74	0.149
				12	0	21.54	21.74	0.149
				12	7	21.53	21.73	0.149
				12	13	21.52	21.72	0.149
				25	0	21.52	21.72	0.149
	2535	21100		1	0	21.53	21.73	0.149
				1	12	21.54	21.74	0.149
				1	24	21.53	21.73	0.149
				12	0	21.53	21.73	0.149
				12	7	21.54	21.74	0.149
				12	13	21.53	21.73	0.149
				25	0	21.53	21.73	0.149
	2567.5	21425		1	0	21.43	21.63	0.146
				1	12	21.48	21.68	0.147
				1	24	21.42	21.62	0.145
				12	0	21.37	21.57	0.144
				12	7	21.37	21.57	0.144
				12	13	21.37	21.57	0.144
				25	0	21.37	21.57	0.144

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	2535	21100	10	1	0	23.25	23.45	0.221	
				1	25	23.22	23.42	0.220	
				1	49	23.32	23.52	0.225	
				25	0	22.37	22.57	0.181	
				25	12	22.32	22.52	0.179	
				25	25	22.31	22.51	0.178	
				50	0	22.28	22.48	0.177	
	2565	21400		1	0	23.37	23.57	0.228	
				1	25	23.53	23.73	0.236	
				1	49	23.26	23.46	0.222	
				25	0	22.45	22.65	0.184	
				25	12	22.38	22.58	0.181	
				25	25	22.30	22.50	0.178	
				50	0	22.41	22.61	0.182	
16QAM	2505	20800	1	0	22.21	22.41	0.174		
			1	25	22.12	22.32	0.171		
			1	49	22.09	22.29	0.169		
			25	0	21.73	21.93	0.156		
			25	12	21.64	21.84	0.153		
			25	25	21.66	21.86	0.153		
			50	0	21.55	21.75	0.150		
			2535	21100	1	0	22.81	23.01	0.200
					1	25	22.70	22.90	0.195
					1	49	22.69	22.89	0.195
					25	0	21.38	21.58	0.144
					25	12	21.47	21.67	0.147
	25	25			21.47	21.67	0.147		
	50	0			21.38	21.58	0.144		
	2565	21400			1	0	23.23	23.43	0.220
					1	25	23.24	23.44	0.221
					1	49	23.14	23.34	0.216
					25	0	21.56	21.76	0.150
					25	12	21.54	21.74	0.149
			25	25	21.55	21.75	0.150		
				50	0	21.57	21.77	0.150	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
64QAM	2505	20800	10	1	0	21.55	21.75	0.150	
				1	25	21.55	21.75	0.150	
				1	49	21.55	21.75	0.150	
				25	0	21.54	21.74	0.149	
				25	12	21.53	21.73	0.149	
				25	25	21.57	21.77	0.150	
	2535	21100		50	0	21.52	21.72	0.149	
				1	0	21.38	21.58	0.144	
				1	25	21.50	21.70	0.148	
				1	49	21.50	21.70	0.148	
				25	0	21.50	21.70	0.148	
				25	12	21.51	21.71	0.148	
	2565	21400		25	25	21.50	21.70	0.148	
				50	0	21.51	21.71	0.148	
				1	0	21.58	21.78	0.151	
				1	25	21.57	21.77	0.150	
				1	49	21.62	21.82	0.152	
				25	0	21.58	21.78	0.151	
					25	12	21.58	21.78	0.151
					25	25	21.58	21.78	0.151
					25	25	21.58	21.78	0.151
					50	0	21.58	21.78	0.151

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	2507.5	20825	15	1	0	23.30	23.50	0.224
				1	37	23.21	23.41	0.219
				1	74	23.20	23.40	0.219
				36	0	22.38	22.58	0.181
				36	29	22.36	22.56	0.180
				36	30	22.35	22.55	0.180
				75	0	22.41	22.61	0.182
	2535	21100		1	0	23.26	23.46	0.222
				1	37	23.45	23.65	0.232
				1	74	23.43	23.63	0.231
				36	0	22.33	22.53	0.179
				36	29	22.42	22.62	0.183
				36	30	22.42	22.62	0.183
				75	0	22.20	22.40	0.174
	2562.5	21375		1	0	23.43	23.63	0.231
1			37	23.46	23.66	0.232		
1			74	23.47	23.67	0.233		
36			0	22.49	22.69	0.186		
36			29	22.40	22.60	0.182		
36			30	22.40	22.60	0.182		
75			0	22.33	22.53	0.179		
16QAM	2507.5	20825	1	0	22.89	23.09	0.204	
			1	37	22.82	23.02	0.200	
			1	74	22.83	23.03	0.201	
			36	0	21.66	21.86	0.153	
			36	29	21.62	21.82	0.152	
			36	30	21.63	21.83	0.152	
			75	0	21.55	21.75	0.150	
	2535	21100	1	0	22.75	22.95	0.197	
			1	37	23.27	23.47	0.222	
			1	74	23.26	23.46	0.222	
			36	0	21.44	21.64	0.146	
			36	29	21.49	21.69	0.148	
			36	30	21.49	21.69	0.148	
			75	0	21.44	21.64	0.146	
	2562.5	21375	1	0	22.91	23.11	0.205	
1			37	22.87	23.07	0.203		
1			74	22.86	23.06	0.202		
36			0	21.56	21.76	0.150		
36			29	21.48	21.68	0.147		
36			30	21.48	21.68	0.147		
75			0	21.57	21.77	0.150		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)		
64QAM	2507.5	20825	15	1	0	21.55	21.75	0.150		
				1	37	21.55	21.75	0.150		
				1	74	21.55	21.75	0.150		
				36	0	21.55	21.75	0.150		
				36	29	21.55	21.75	0.150		
				36	30	21.55	21.75	0.150		
	75	0		21.54	21.74	0.149				
	1	0		21.44	21.64	0.146				
	1	37		21.44	21.64	0.146				
	1	74		21.44	21.64	0.146				
	36	0		21.49	21.69	0.148				
	36	29		21.49	21.69	0.148				
	36	30		21.49	21.69	0.148				
	75	0		21.49	21.69	0.148				
	1	0		21.58	21.78	0.151				
	1	37		21.58	21.78	0.151				
	1	74		21.57	21.77	0.150				
	36	0		21.57	21.77	0.150				
	36	29		21.57	21.77	0.150				
	36	30		21.57	21.77	0.150				
	75	0		21.57	21.77	0.150				
	2562.5	21375								

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	2535	21100	20	1	0	23.56	23.76	0.238	
				1	49	23.57	23.77	0.238	
				1	99	23.68	23.88	0.244	
				50	0	22.36	22.56	0.180	
				50	24	22.37	22.57	0.181	
				50	50	22.37	22.57	0.181	
	2560	21350		100	0	22.35	22.55	0.180	
				1	0	23.79	23.99	0.251	
				1	49	23.75	23.95	0.248	
				1	99	23.76	23.96	0.249	
				50	0	22.42	22.62	0.183	
				50	24	22.52	22.72	0.187	
				50	50	22.52	22.72	0.187	
				100	0	22.46	22.66	0.185	
16QAM	2510	20850	1	0	23.09	23.29	0.213		
			1	49	22.98	23.18	0.208		
			1	99	23.09	23.29	0.213		
			50	0	21.57	21.77	0.150		
			50	24	21.50	21.70	0.148		
			50	50	21.35	21.55	0.143		
	2535	21100	100	0	21.53	21.73	0.149		
			1	0	22.17	22.37	0.173		
			1	49	22.32	22.52	0.179		
			1	99	22.32	22.52	0.179		
			50	0	21.48	21.68	0.147		
			50	24	21.50	21.70	0.148		
			50	50	21.62	21.82	0.152		
			100	0	21.45	21.65	0.146		
			2560	21350	1	0	22.83	23.03	0.201
					1	49	22.65	22.85	0.193
					1	99	22.65	22.85	0.193
					50	0	21.52	21.72	0.149
	50	24			21.48	21.68	0.147		
	50	50			21.49	21.69	0.148		
	100	0			21.58	21.78	0.151		



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	2510	20850	20	1	0	21.52	21.72	0.149
				1	49	21.52	21.72	0.149
				1	99	21.51	21.71	0.148
				50	0	21.50	21.70	0.148
				50	24	21.50	21.70	0.148
				50	50	21.50	21.70	0.148
	100	0		21.50	21.70	0.148		
	2535	21100		1	0	21.45	21.65	0.146
				1	49	21.47	21.67	0.147
				1	99	21.47	21.67	0.147
				50	0	21.47	21.67	0.147
				50	24	21.47	21.67	0.147
				50	50	21.47	21.67	0.147
	100	0		21.47	21.67	0.147		
	2560	21350		1	0	21.58	21.78	0.151
				1	49	21.58	21.78	0.151
				1	99	21.59	21.79	0.151
				50	0	21.59	21.79	0.151
				50	24	21.58	21.78	0.151
				50	50	21.58	21.78	0.151
	100	0		21.58	21.78	0.151		