

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 5

1 RF Power Output

Rx Power Output							
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	824.7	20407	1.4	1	0	23.66	
				1	3	23.87	
				1	5	23.73	
				3	0	22.77	
				3	1	22.79	
				3	3	22.82	
	836.5	20525		6	0	21.88	
				1	0	23.72	
				1	3	23.76	
				1	5	23.83	
				3	0	22.77	
				3	1	22.74	
	848.3	20643		3	3	22.81	
				6	0	21.87	
				1	0	23.54	
				1	3	23.55	
				1	5	23.58	
				3	0	22.57	
	16QAM	824.7		20407	3	1	22.47
					3	3	22.44
					6	0	21.65
					1	0	22.95
					1	3	22.95
					1	5	23.00
836.5		20525		3	0	21.98	
				3	1	21.95	
				3	3	21.84	
				6	0	21.02	
				1	0	22.91	
				1	3	22.84	
848.3		20643	1	5	22.98		
			3	0	21.81		
			3	1	21.88		
			3	3	21.92		
			6	0	20.91		
			1	0	22.83		
16QAM	836.5	20525	1	3	22.71		
			1	5	22.74		
			3	0	21.73		
			3	1	21.85		
			3	3	21.89		
			6	0	20.60		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	824.7	20407	1.4	1	0	21.79
				1	3	21.86
				1	5	21.92
				3	0	20.92
				3	1	20.88
				3	3	20.71
				6	0	19.91
	836.5	20525		1	0	22.02
				1	3	21.94
				1	5	21.92
				3	0	20.99
				3	1	20.92
				3	3	20.92
				6	0	19.95
	848.3	20643		1	0	21.53
				1	3	21.57
				1	5	21.60
				3	0	20.50
				3	1	20.60
				3	3	20.60
				6	0	19.60

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	825.5	20415	3	1	0	23.84
				1	8	23.76
				1	14	23.83
				8	0	22.93
				8	4	22.92
				8	7	22.82
				15	0	21.93
	836.5	20525		1	0	23.90
				1	8	23.88
				1	14	23.84
				8	0	22.89
				8	4	22.80
				8	7	22.80
				15	0	21.94
	847.5	20635		1	0	23.71
				1	8	23.62
				1	14	23.61
				8	0	22.81
				8	4	22.78
				8	7	22.81
				15	0	21.80
16QAM	825.5	20415	1	0	23.46	
			1	8	23.36	
			1	14	23.57	
			8	0	22.18	
			8	4	22.29	
			8	7	21.99	
			15	0	20.99	
	836.5	20525	1	0	23.53	
			1	8	23.42	
			1	14	23.63	
			8	0	22.23	
			8	4	22.35	
			8	7	22.12	
			15	0	21.00	
	847.5	20635	1	0	23.38	
			1	8	23.29	
			1	14	23.27	
			8	0	22.15	
			8	4	22.14	
			8	7	21.89	
			15	0	20.82	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	825.5	20415	3	1	0	21.99
				1	8	21.98
				1	14	21.99
				8	0	20.99
				8	4	20.99
				8	7	20.96
				15	0	19.99
	836.5	20525		1	0	22.00
				1	8	21.99
				1	14	21.74
				8	0	21.05
				8	4	20.91
				8	7	21.04
				15	0	20.05
	847.5	20635		1	0	21.91
				1	8	21.81
				1	14	21.92
				8	0	20.75
				8	4	20.81
				8	7	20.82
				15	0	19.92

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	826.5	20425	5	1	0	23.96	
				1	12	23.86	
				1	24	23.75	
				12	0	22.95	
				12	7	22.93	
				12	13	22.93	
				25	0	21.94	
	836.5	20525		1	0	23.92	
				1	12	23.83	
				1	24	23.72	
				12	0	22.91	
				12	7	22.86	
				12	13	22.87	
				25	0	21.85	
	846.5	20625		1	0	23.80	
				1	12	23.54	
				1	24	23.63	
				12	0	22.85	
				12	7	22.71	
				12	13	22.84	
				25	0	21.74	
	16QAM	826.5		20425	1	0	22.83
					1	12	22.84
					1	24	22.98
12					0	21.96	
12					7	21.89	
12					13	21.81	
25					0	21.04	
836.5		20525		1	0	22.93	
				1	12	22.97	
			1	24	22.77		
			12	0	21.83		
			12	7	21.80		
			12	13	21.80		
			25	0	20.99		
846.5		20625	1	0	22.92		
			1	12	22.98		
			1	24	22.88		
			12	0	21.90		
			12	7	21.82		
			12	13	21.76		
			25	0	20.72		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	826.5	20425	5	1	0	21.98
				1	12	21.96
				1	24	21.95
				12	0	21.00
				12	7	20.95
				12	13	20.92
				25	0	20.00
	836.5	20525		1	0	21.99
				1	12	21.88
				1	24	21.97
				12	0	20.93
				12	7	20.94
				12	13	21.00
				25	0	19.90
	846.5	20625		1	0	21.87
				1	12	21.80
				1	24	21.76
				12	0	20.69
				12	7	20.75
				12	13	20.74
				25	0	19.75

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	829	20450	10	1	0	23.96	
				1	25	23.90	
				1	49	23.82	
				25	0	22.91	
				25	12	23.00	
				25	25	22.98	
	50	0		22.06			
	836.5	20525		1	0	23.99	
				1	25	23.91	
				1	49	23.94	
				25	0	22.95	
				25	12	22.95	
				25	25	22.90	
	50	0		21.97			
	844	20600		1	0	23.92	
				1	25	23.68	
				1	49	23.70	
				25	0	22.92	
				25	12	22.88	
				25	25	22.83	
	50	0		21.94			
	16QAM	829		20450	1	0	22.62
					1	25	22.45
					1	49	22.38
25					0	21.41	
25					12	21.51	
25					25	21.43	
50		0		20.69			
836.5		20525		1	0	22.84	
				1	25	22.89	
			1	49	22.75		
			25	0	21.92		
			25	12	21.94		
			25	25	21.91		
50		0	20.96				
844		20600	1	0	23.00		
			1	25	22.75		
			1	49	22.92		
			25	0	21.96		
			25	12	21.85		
			25	25	21.88		
50		0	20.97				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	829	20450	10	1	0	21.99
				1	25	21.98
				1	49	21.98
				25	0	20.99
				25	12	20.99
				25	25	20.99
				50	0	19.98
	836.5	20525		1	0	21.96
				1	25	21.96
				1	49	21.96
				25	0	21.03
				25	12	20.95
				25	25	20.95
				50	0	20.02
	844	20600		1	0	21.83
				1	25	21.89
				1	49	21.89
				25	0	20.85
				25	12	20.87
				25	25	20.92
				50	0	19.89

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
5	824.7	20407	1.4	6	0	1.082	Fig.1	1.082	Fig.2	1.082	Fig.3
	836.5	20525		6	0	1.082	Fig.4	1.082	Fig.5	1.082	Fig.6
	848.3	20643		6	0	1.088	Fig.7	1.082	Fig.8	1.082	Fig.9
	825.5	20415	3	15	0	2.683	Fig.10	2.683	Fig.11	2.683	Fig.12
	836.5	20525		15	0	2.683	Fig.13	2.683	Fig.14	2.683	Fig.15
	847.5	20635		15	0	2.683	Fig.16	2.683	Fig.17	2.670	Fig.18
	826.5	20425	5	25	0	4.493	Fig.19	4.472	Fig.20	4.472	Fig.21
	836.5	20525		25	0	4.472	Fig.22	4.472	Fig.23	4.472	Fig.24
	846.5	20625		25	0	4.472	Fig.25	4.472	Fig.26	4.472	Fig.27
	829	20450	10	50	0	8.944	Fig.28	8.944	Fig.29	8.944	Fig.30
	836.5	20525		50	0	8.944	Fig.31	8.944	Fig.32	8.944	Fig.33
	844	20600		50	0	8.944	Fig.34	8.944	Fig.35	8.944	Fig.36

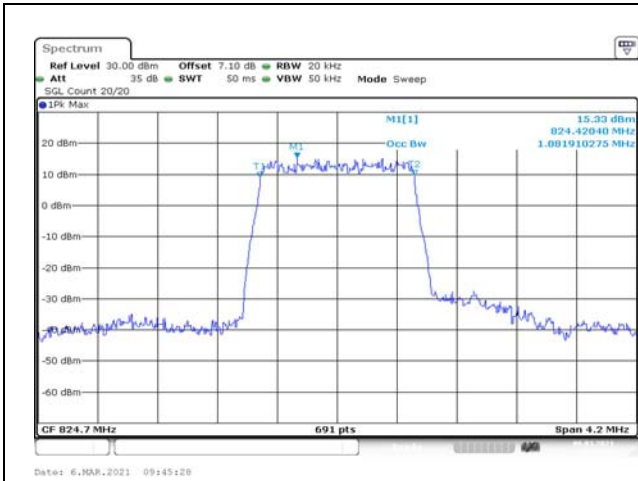


Fig.1

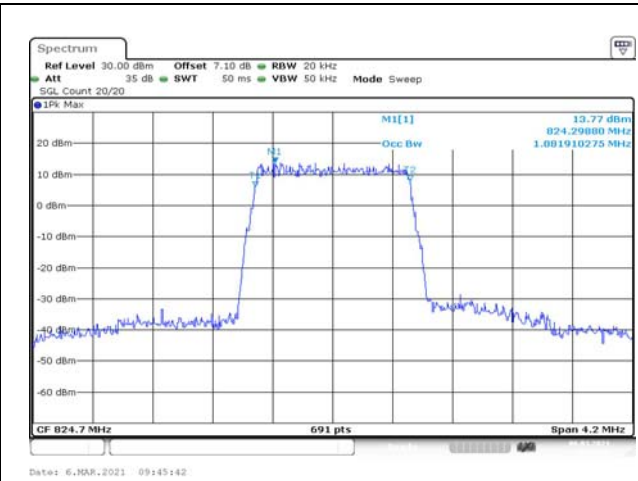


Fig.2

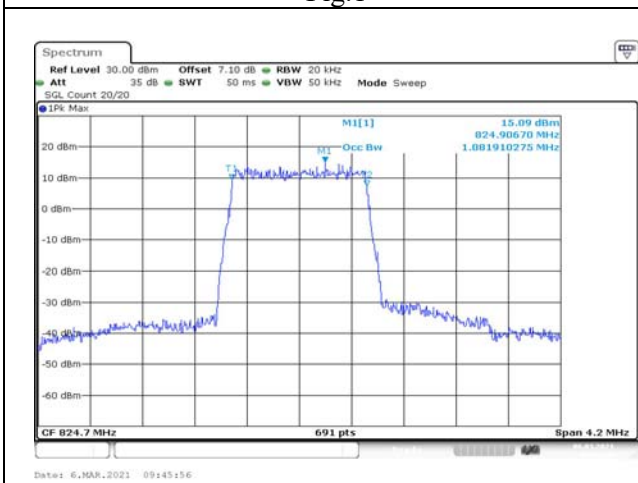


Fig.3

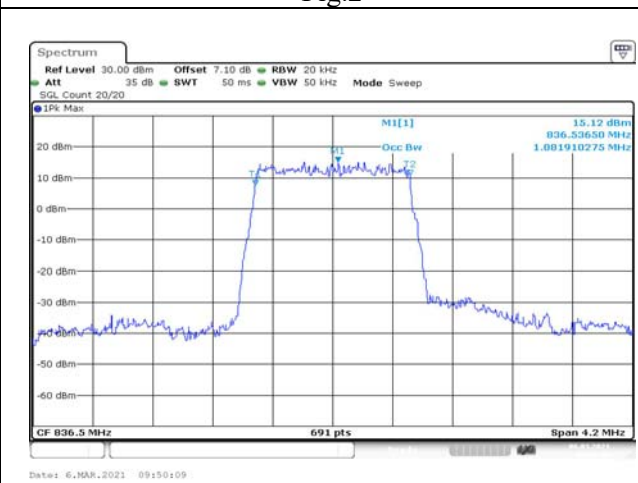


Fig.4

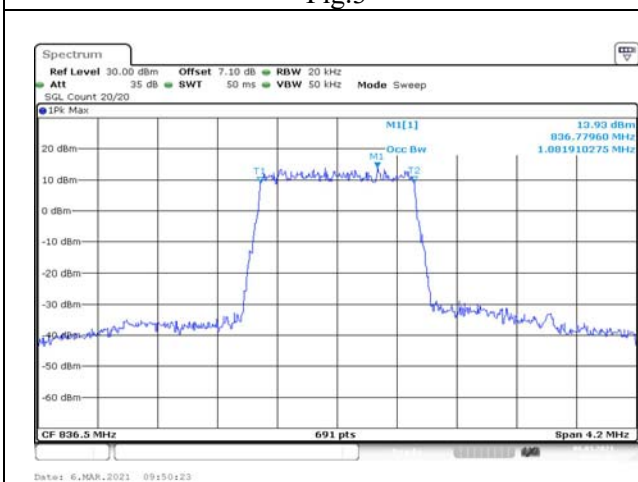


Fig.5

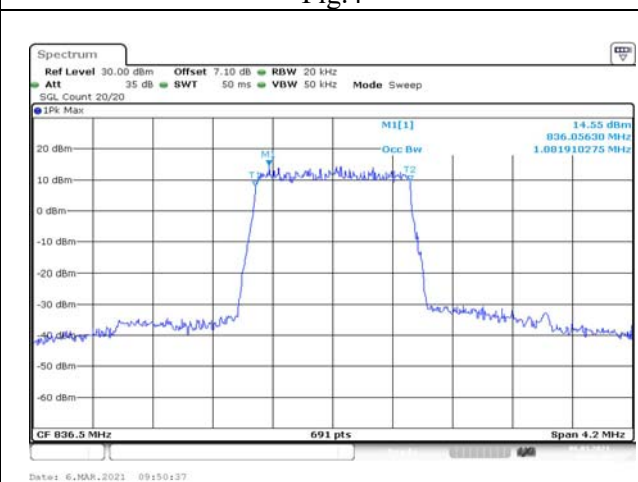
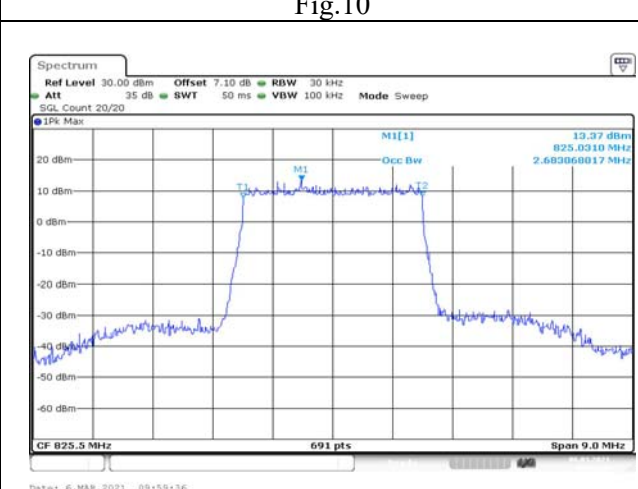
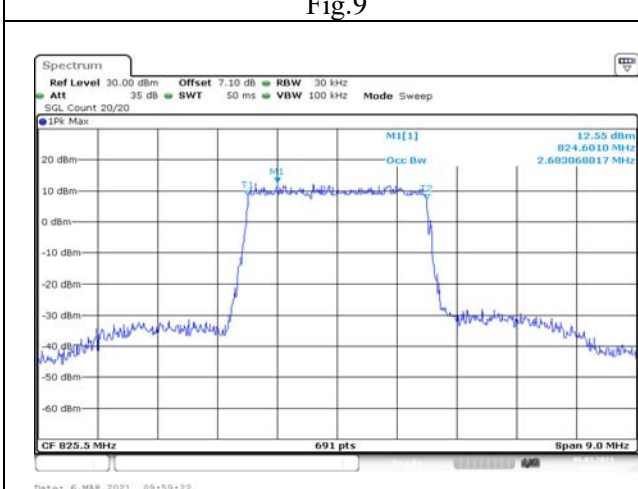
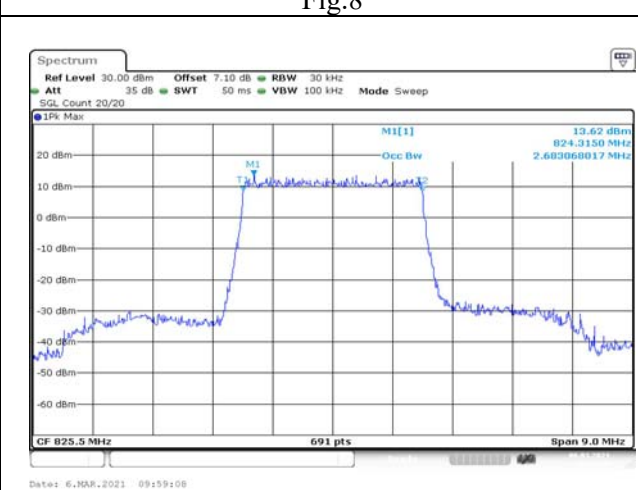
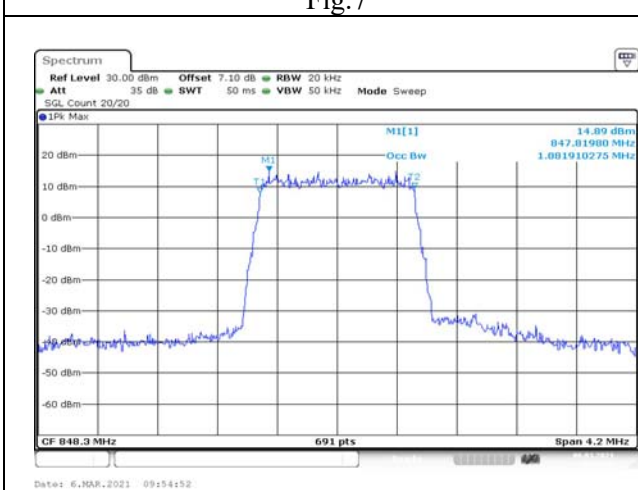
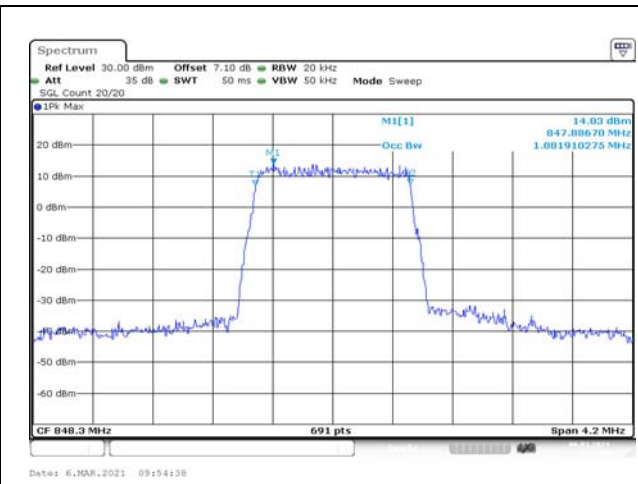
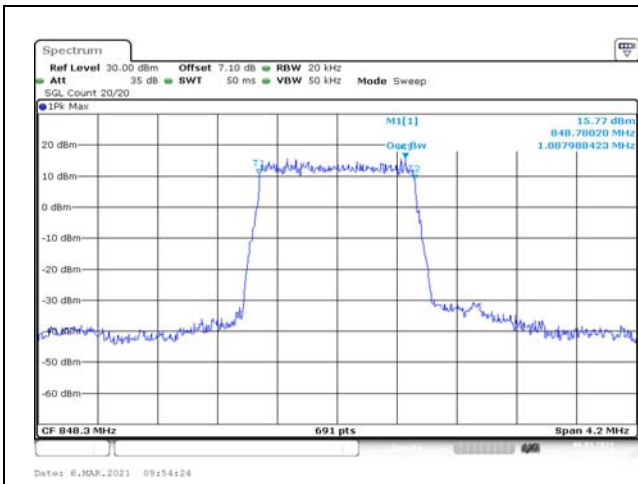
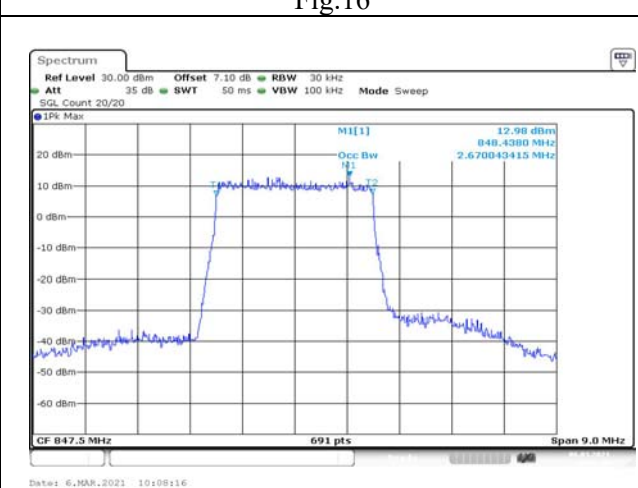
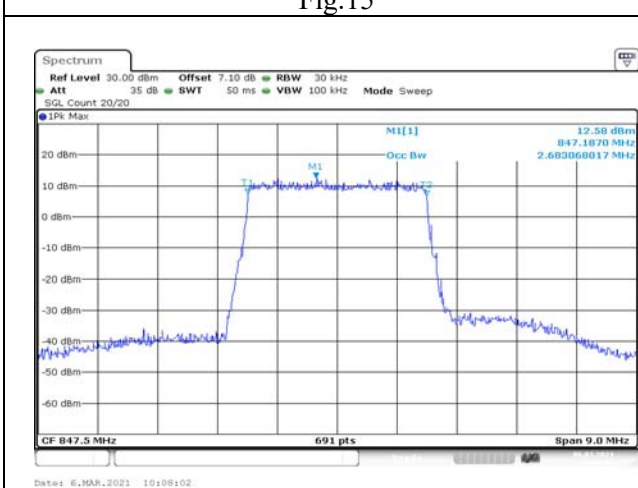
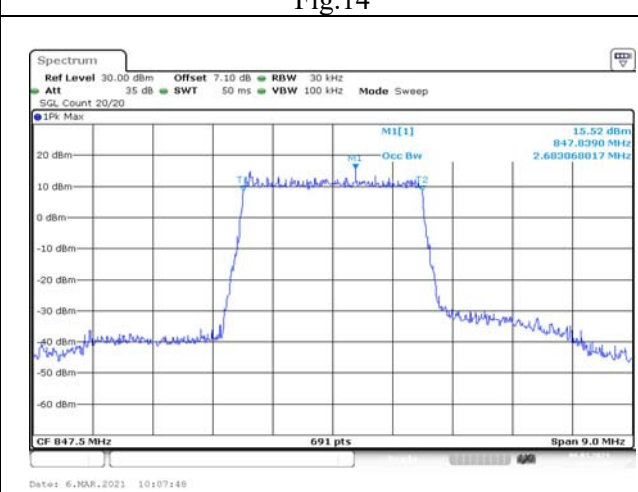
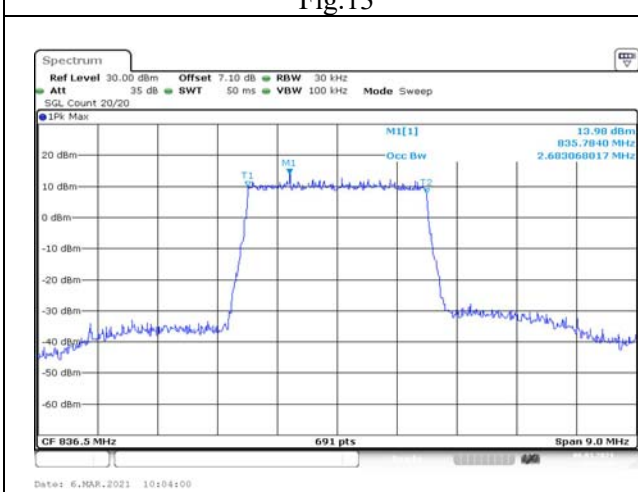
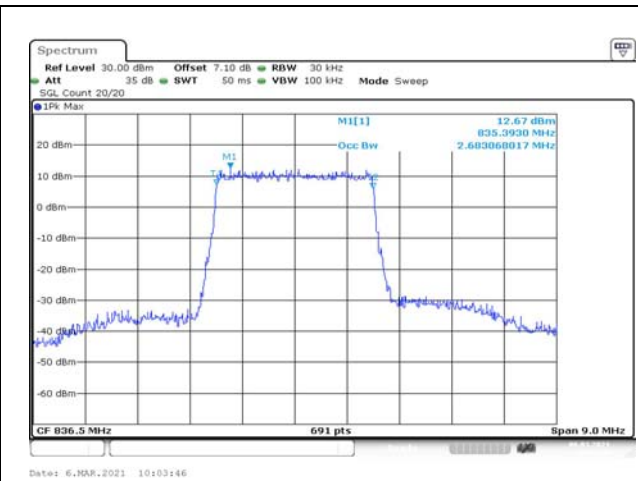
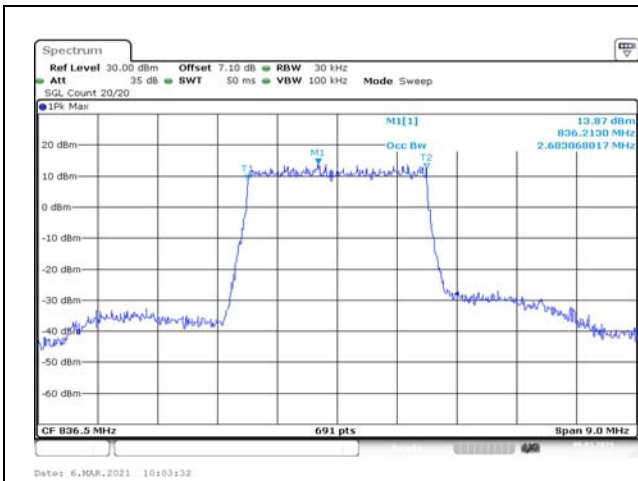
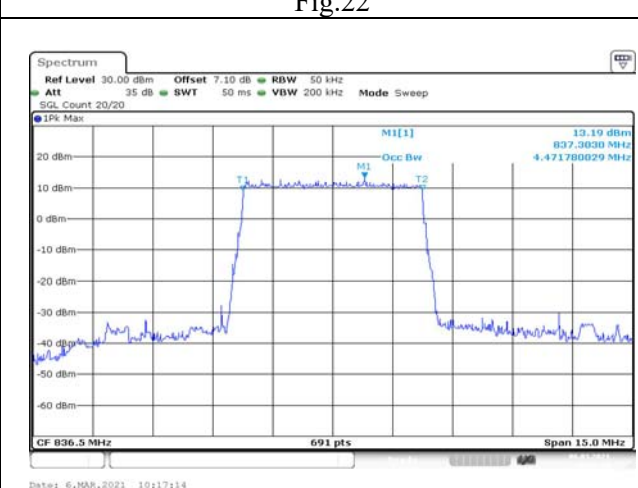
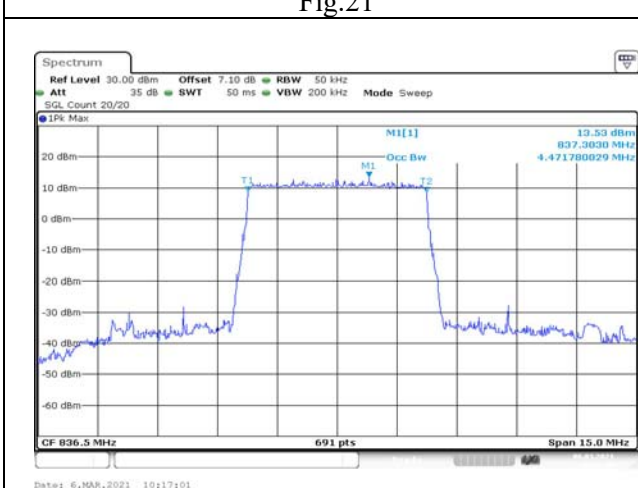
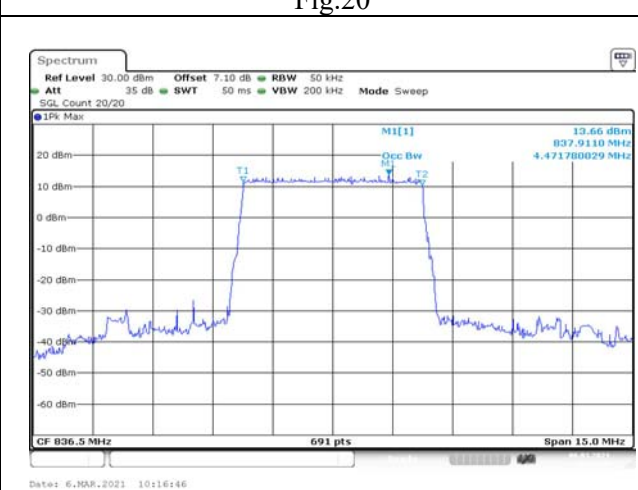
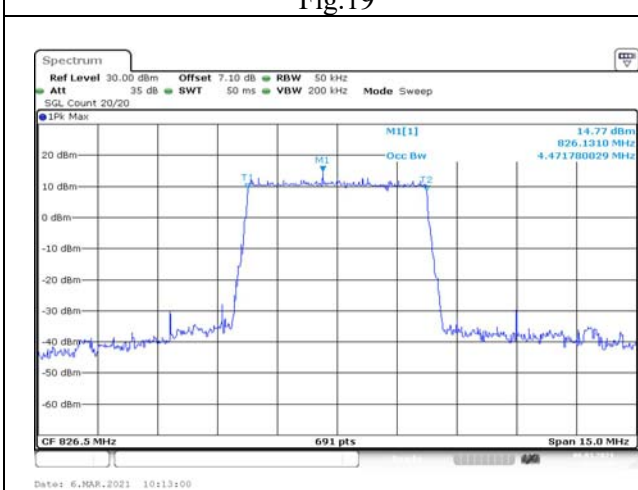
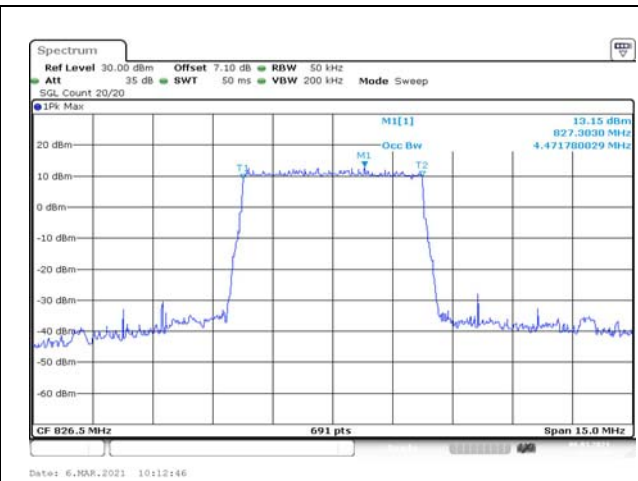
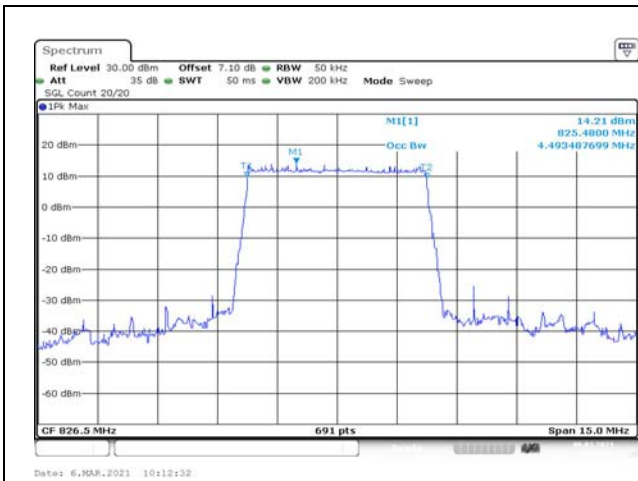


Fig.6







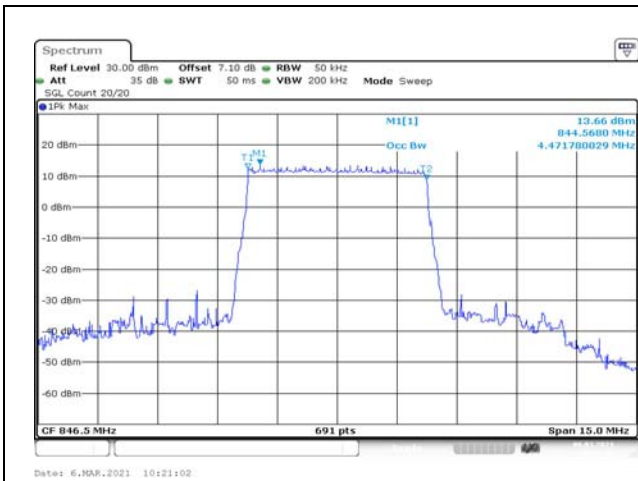


Fig.25

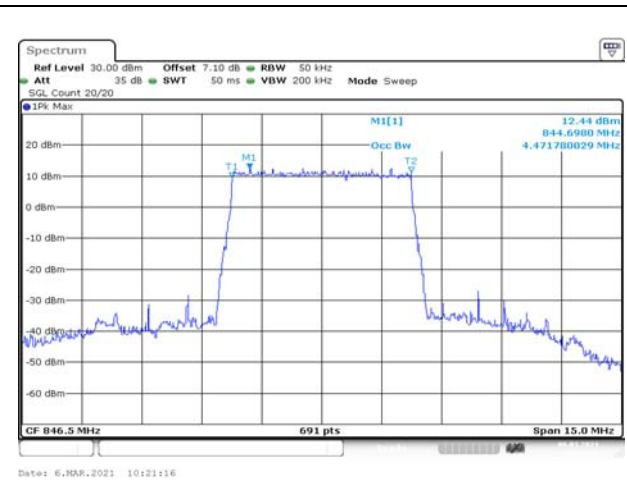


Fig.26

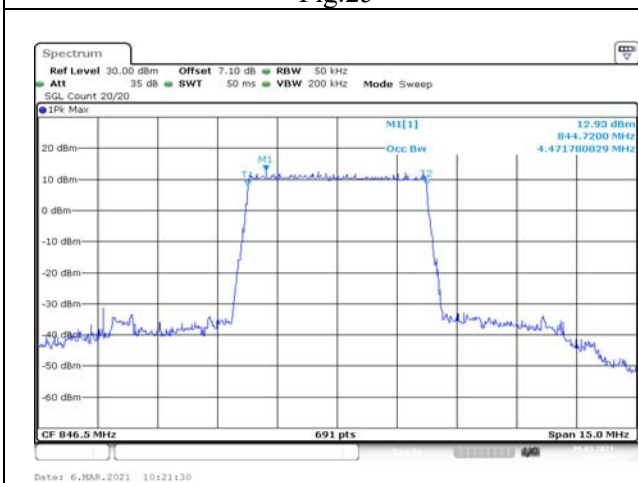


Fig.27

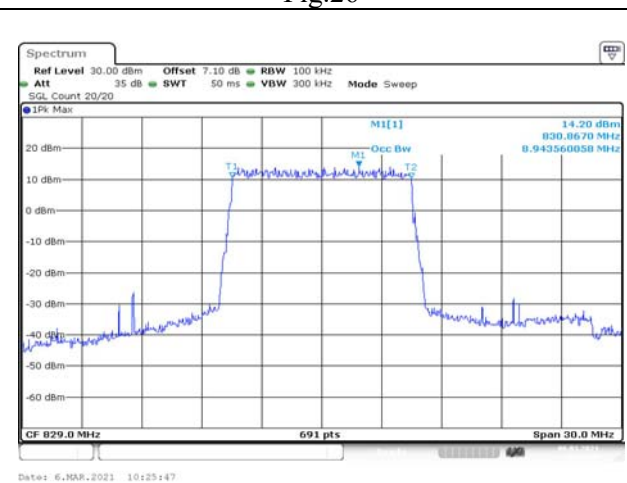


Fig.28

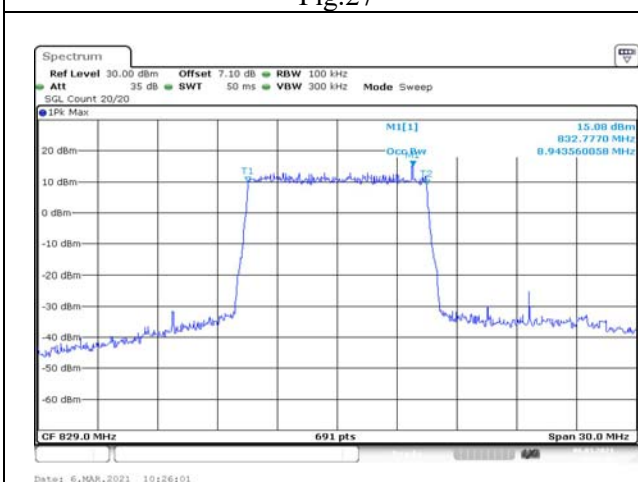


Fig.29

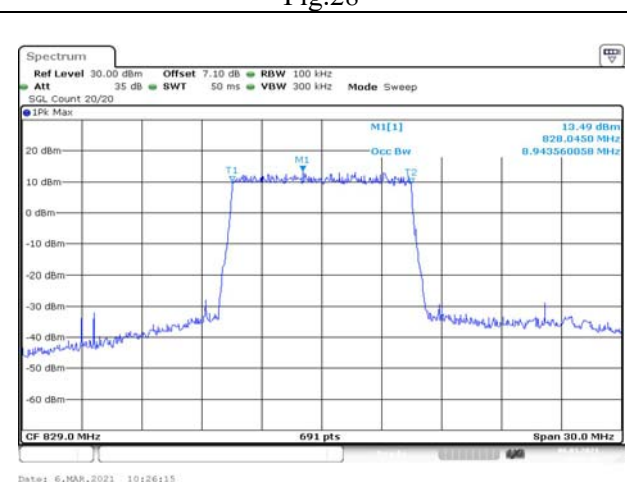
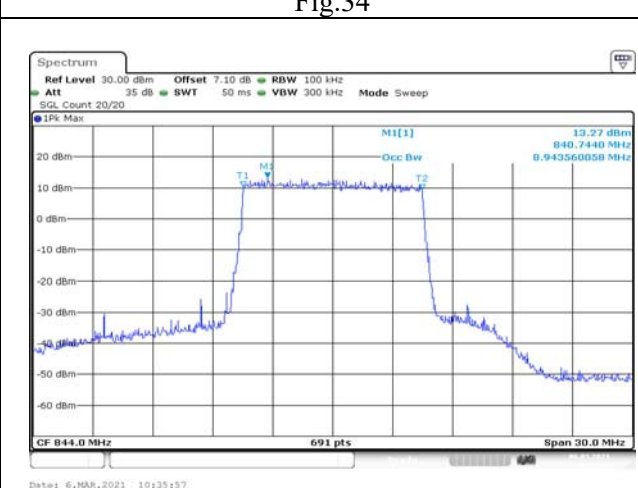
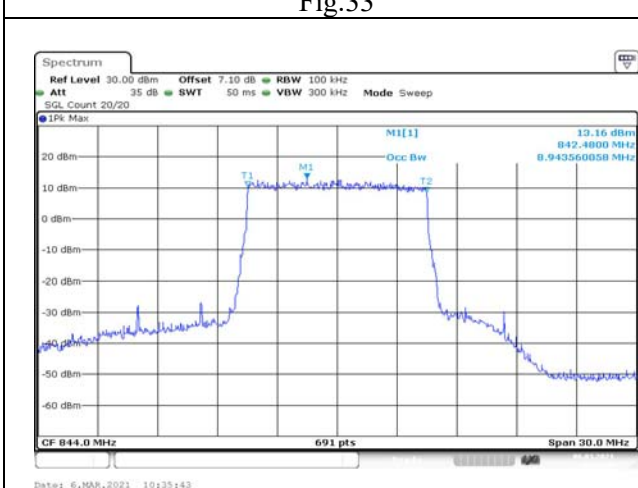
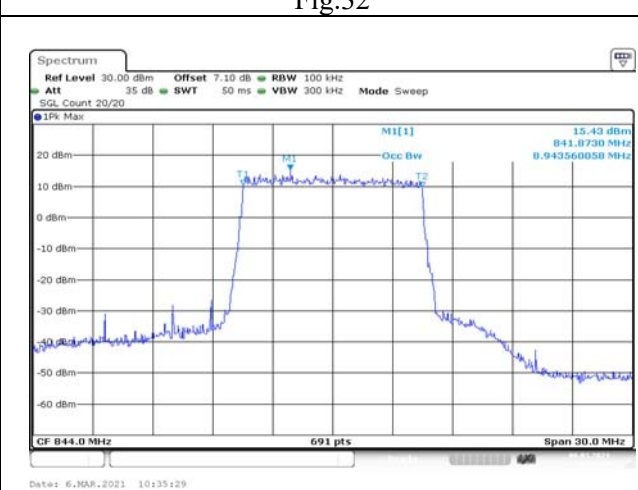
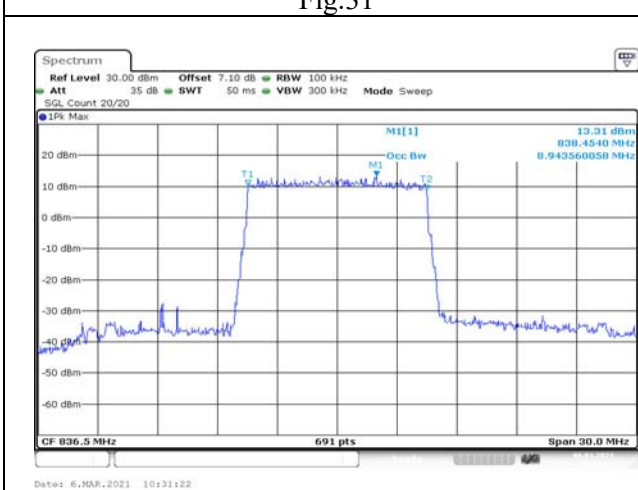
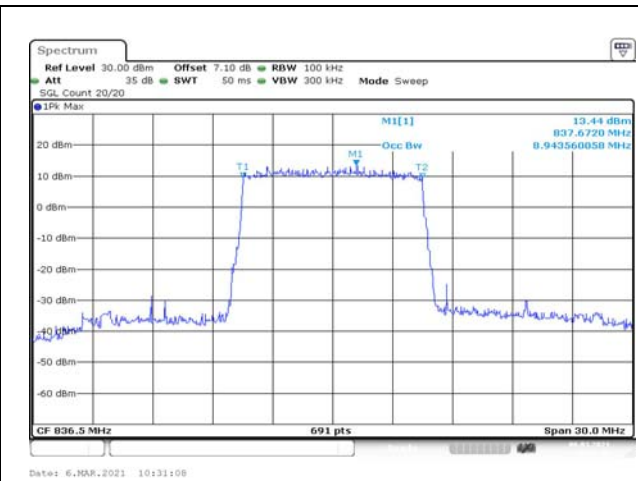
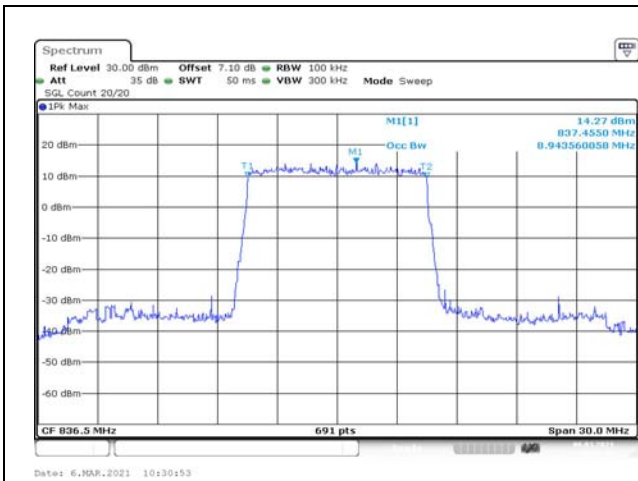


Fig.30



3 Emission Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
5	824.7	20407	1.4	6	0	1.216	Fig.1	1.216	Fig.2	1.216	Fig.3
	836.5	20525		6	0	1.228	Fig.4	1.204	Fig.5	1.204	Fig.6
	848.3	20643		6	0	1.204	Fig.7	1.210	Fig.8	1.210	Fig.9
	825.5	20415	3	15	0	2.891	Fig.10	2.918	Fig.11	2.918	Fig.12
	836.5	20525		15	0	2.931	Fig.13	2.931	Fig.14	2.957	Fig.15
	847.5	20635		15	0	2.878	Fig.16	2.931	Fig.17	2.904	Fig.18
	826.5	20425	5	25	0	4.884	Fig.19	4.841	Fig.20	4.797	Fig.21
	836.5	20525		25	0	4.884	Fig.22	4.841	Fig.23	4.884	Fig.24
	846.5	20625		25	0	4.841	Fig.25	4.884	Fig.26	4.884	Fig.27
	829	20450	10	50	0	9.638	Fig.28	9.595	Fig.29	9.595	Fig.30
	836.5	20525		50	0	9.595	Fig.31	9.551	Fig.32	9.508	Fig.33
	844	20600		50	0	9.595	Fig.34	9.508	Fig.35	9.595	Fig.36

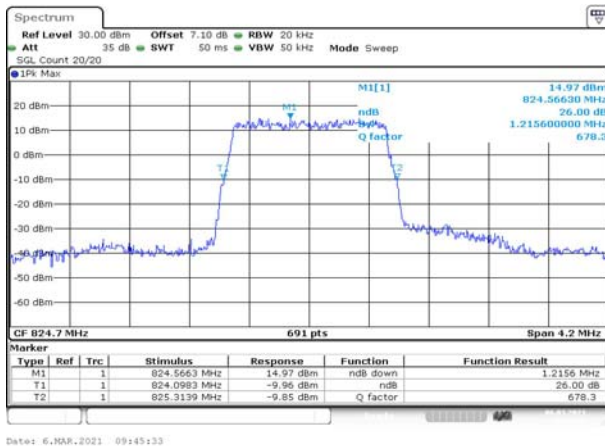


Fig.1

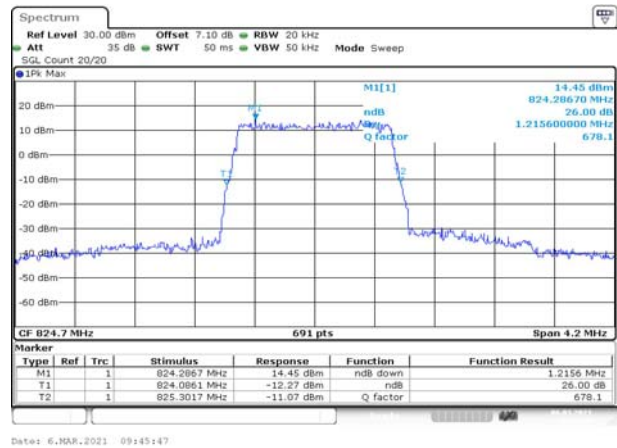


Fig.2

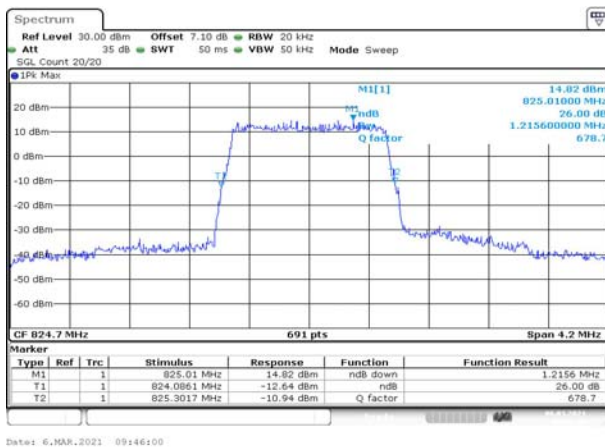


Fig.3

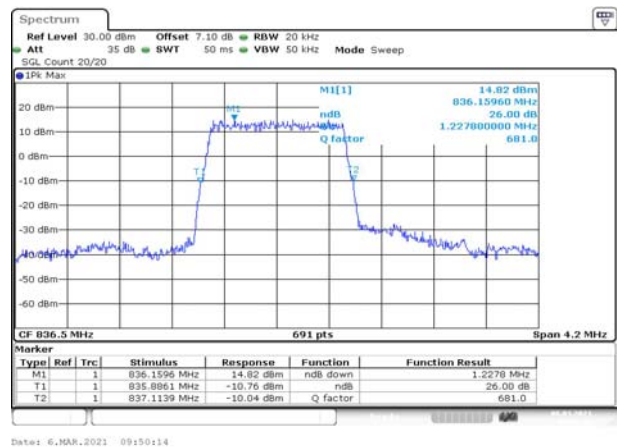


Fig.4

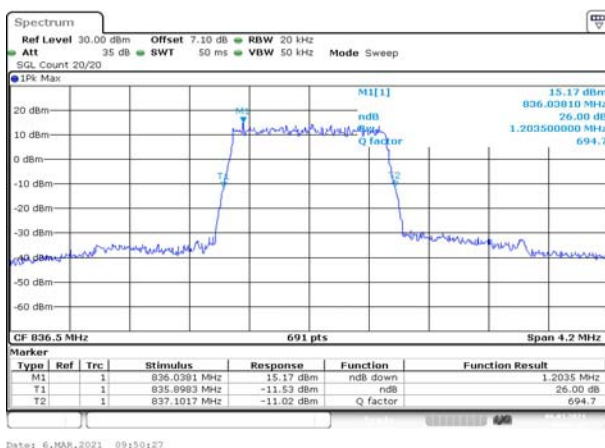


Fig.5

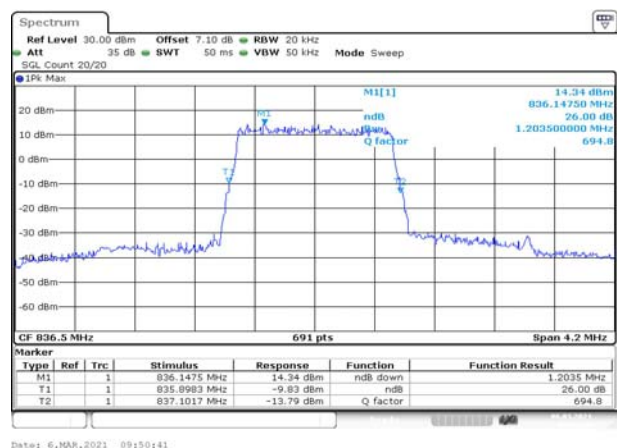


Fig.6

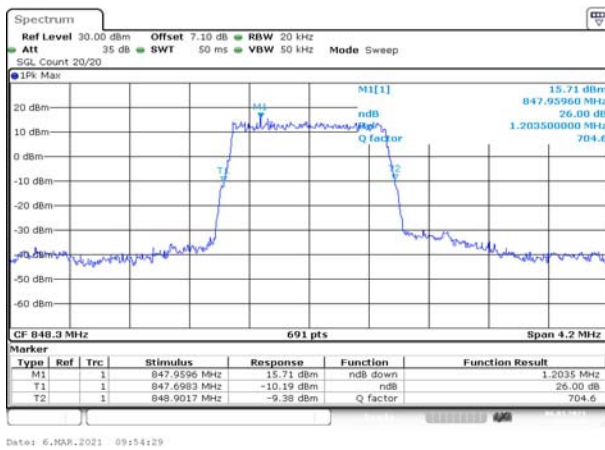


Fig.7

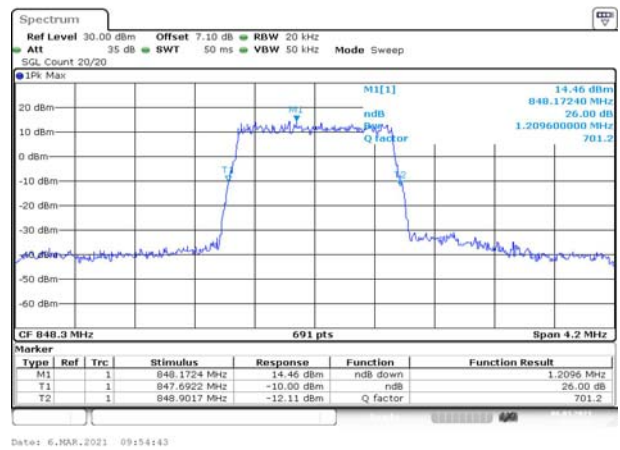


Fig.8

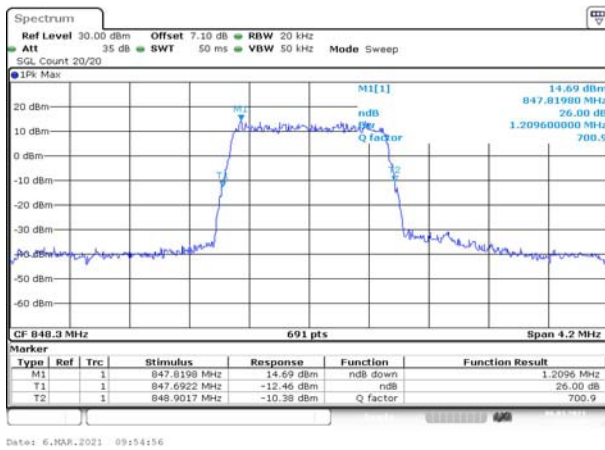


Fig.9

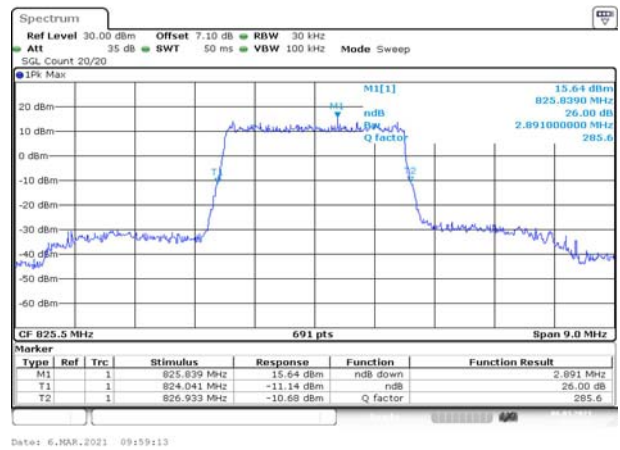


Fig.10

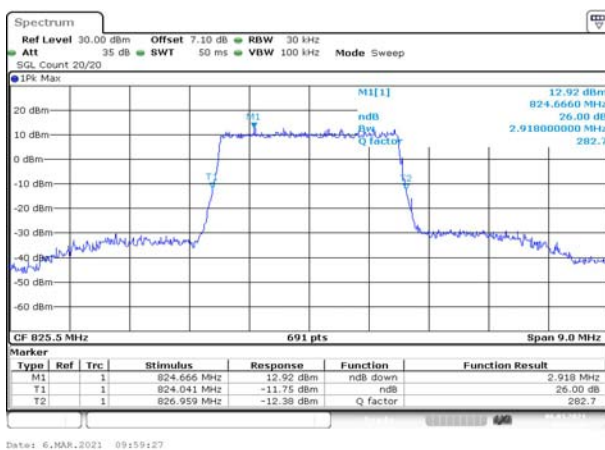


Fig.11

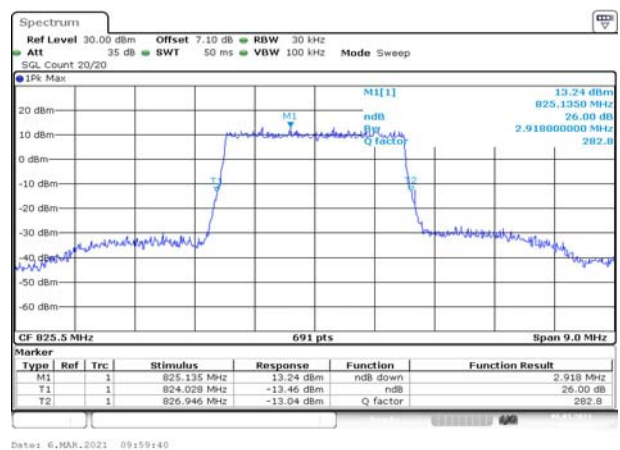


Fig.12

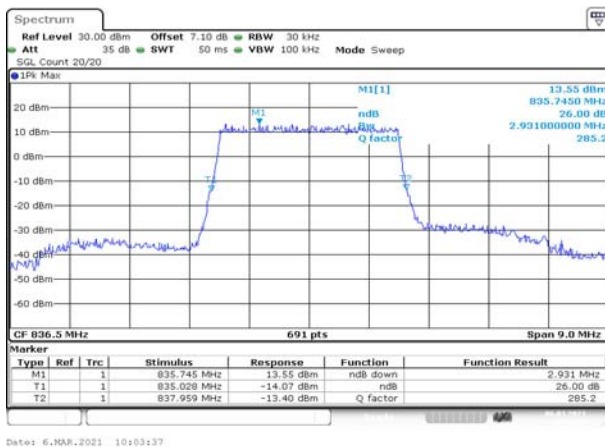


Fig.13

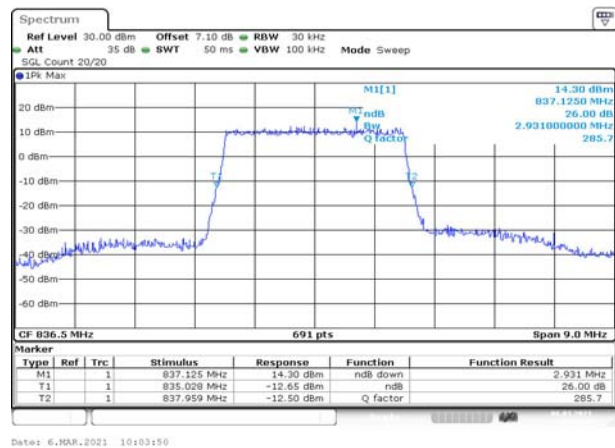


Fig.14

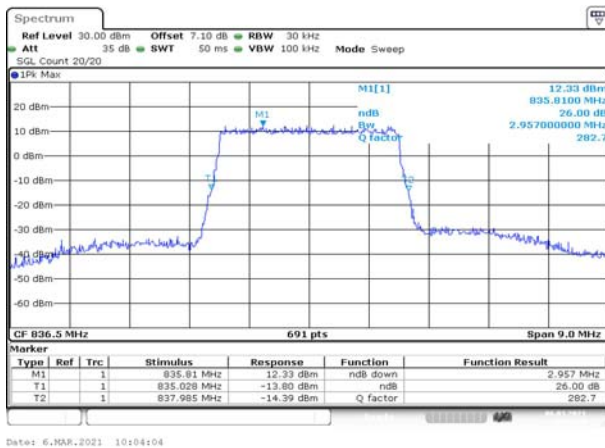


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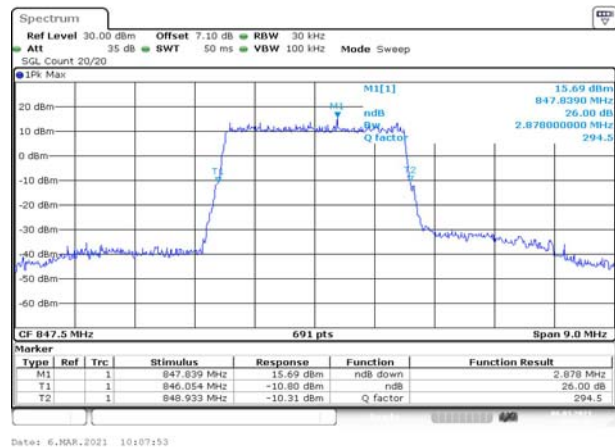


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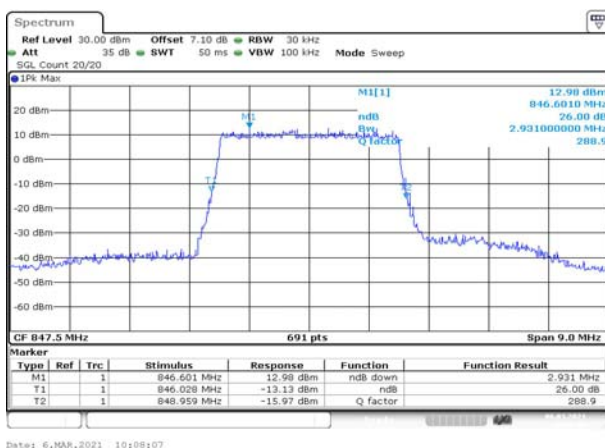


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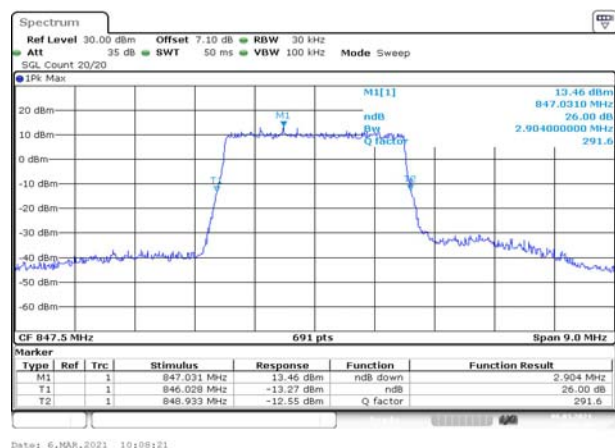


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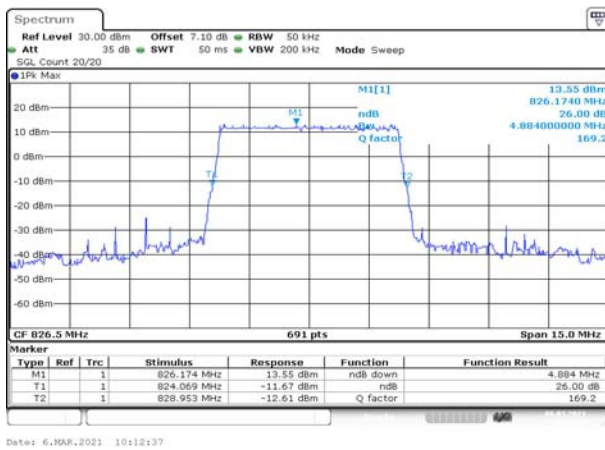


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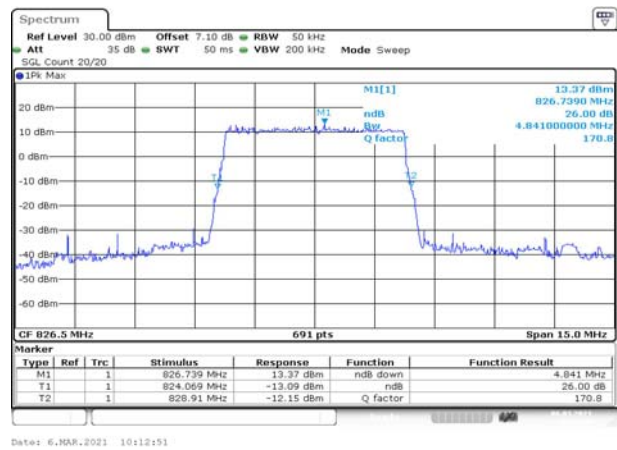


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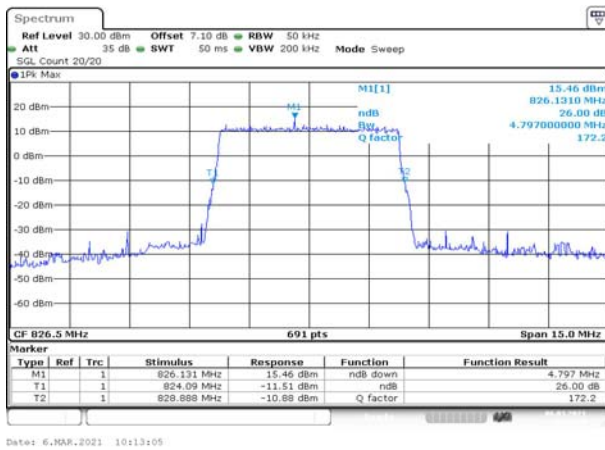


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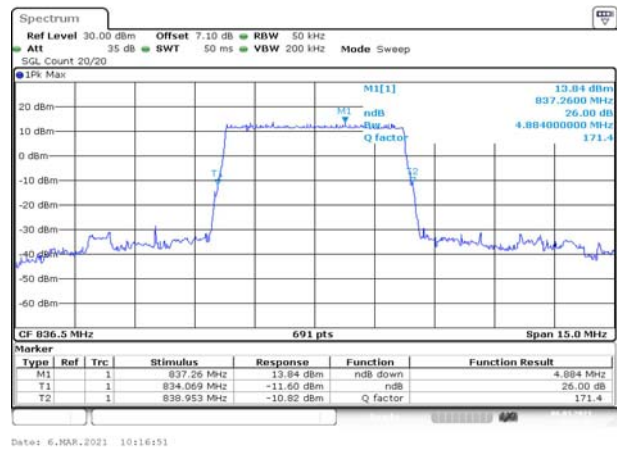


Fig.22

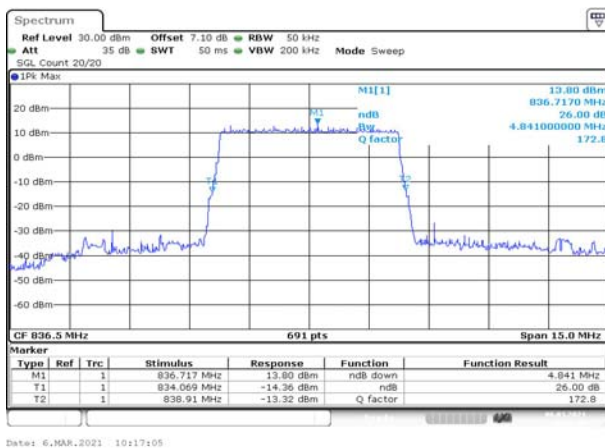


Fig.23

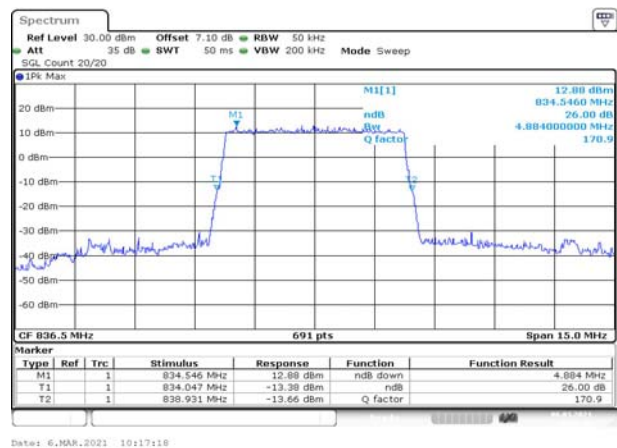


Fig.24

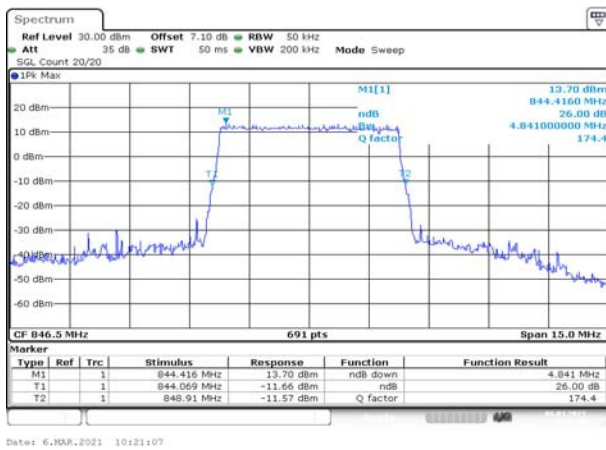


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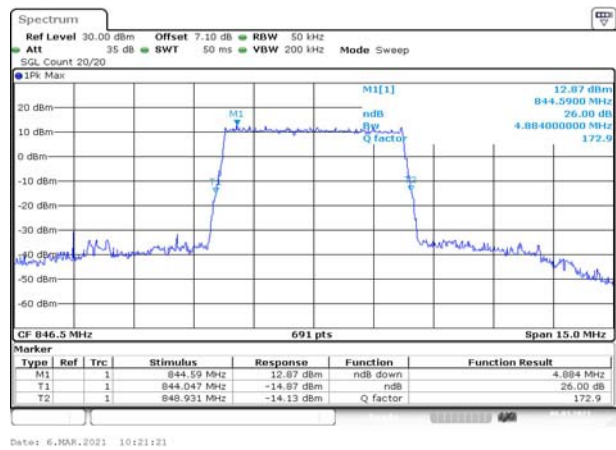


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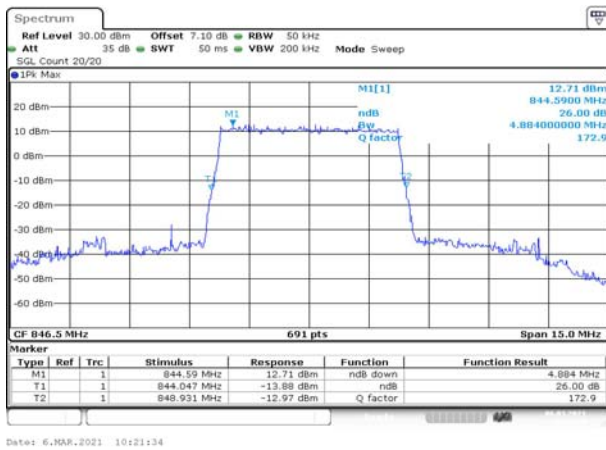


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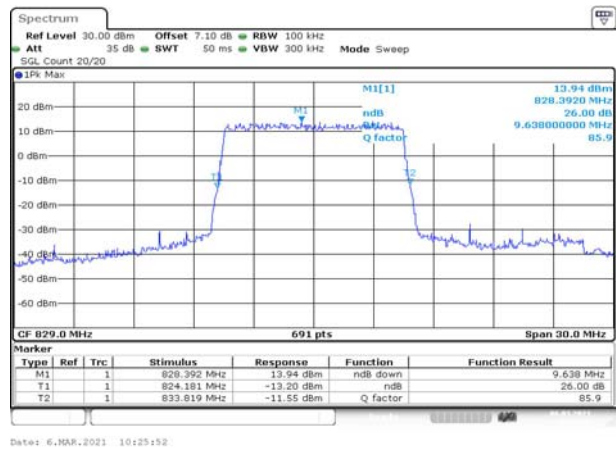


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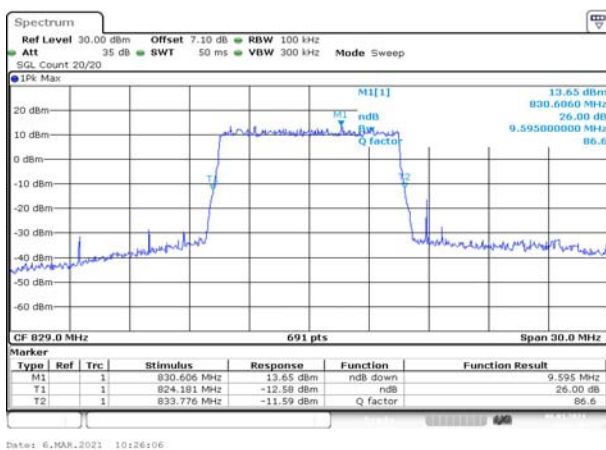


Fig.29



Fig.30

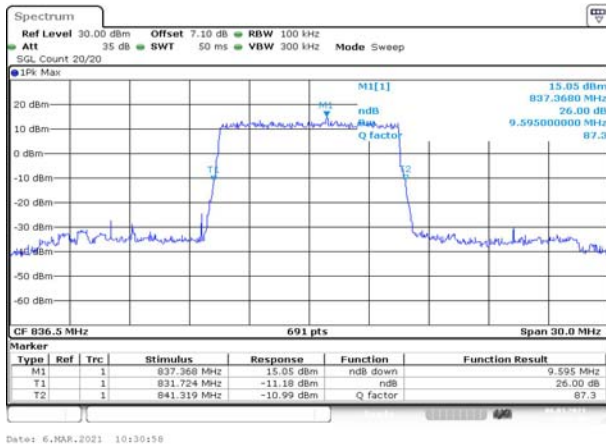


Fig.31

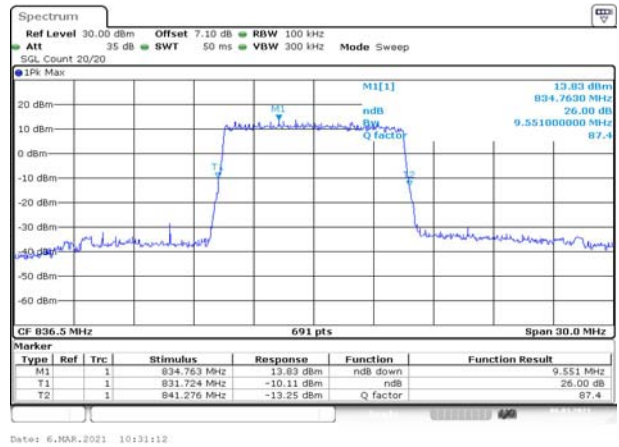


Fig.32

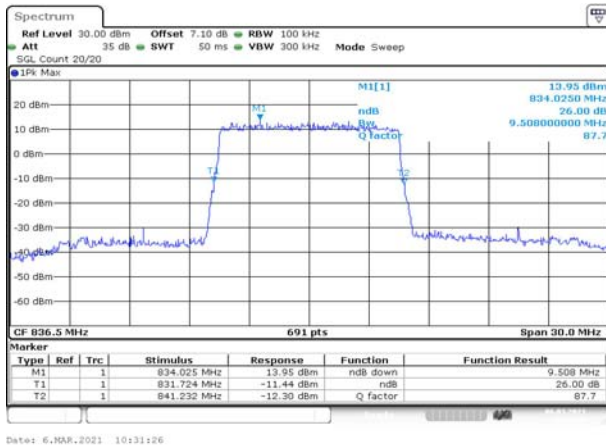


Fig.33

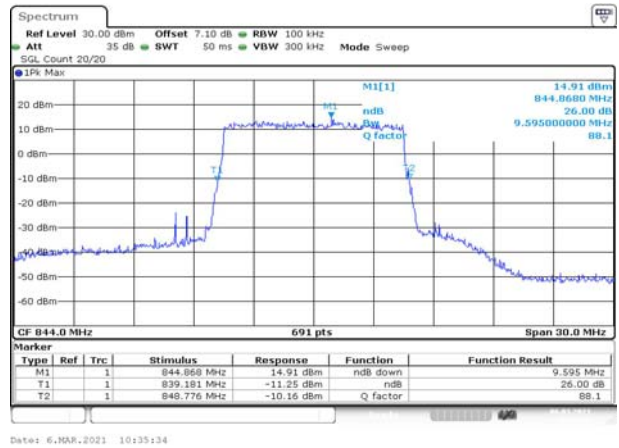


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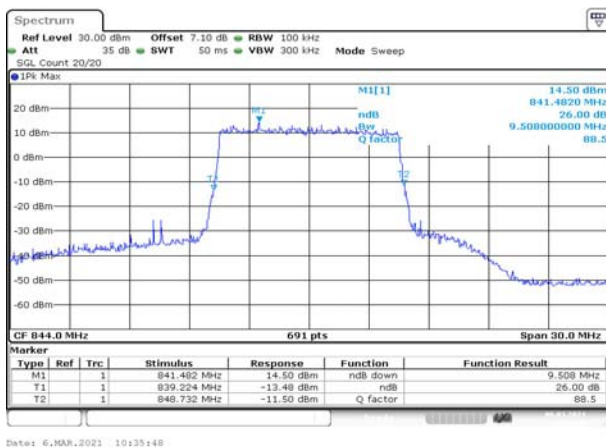


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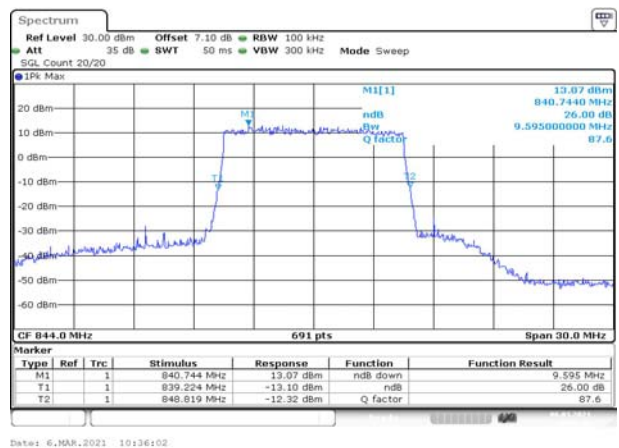


Fig.36

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
5	824.7	20407	1.4	1	5	Fig.1	Fig.2	Fig.3
	824.7	20407		6	0	Fig.4	Fig.5	Fig.6
	836.5	20525		1	5	Fig.7	Fig.8	Fig.9
	836.5	20525		6	0	Fig.10	Fig.11	Fig.12
	848.3	20643		1	5	Fig.13	Fig.14	Fig.15
	848.3	20643		6	0	Fig.16	Fig.17	Fig.18
	825.5	20415	3	1	14	Fig.19	Fig.20	Fig.21
	825.5	20415		15	0	Fig.22	Fig.23	Fig.24
	836.5	20525		1	14	Fig.25	Fig.26	Fig.27
	836.5	20525		15	0	Fig.28	Fig.29	Fig.30
	847.5	20635		1	14	Fig.31	Fig.32	Fig.33
	847.5	20635		15	0	Fig.34	Fig.35	Fig.36
	826.5	20425	5	1	24	Fig.37	Fig.38	Fig.39
	826.5	20425		25	0	Fig.40	Fig.41	Fig.42
	836.5	20525		1	24	Fig.43	Fig.44	Fig.45
	836.5	20525		25	0	Fig.46	Fig.47	Fig.48
	846.5	20625		1	24	Fig.49	Fig.50	Fig.51
	846.5	20625		25	0	Fig.52	Fig.53	Fig.54
	829	20450	10	1	49	Fig.55	Fig.56	Fig.57
	829	20450		50	0	Fig.58	Fig.59	Fig.60
	836.5	20525		1	49	Fig.61	Fig.62	Fig.63
	836.5	20525		50	0	Fig.64	Fig.65	Fig.66
	844	20600		1	49	Fig.67	Fig.68	Fig.69
	844	20600		50	0	Fig.70	Fig.71	Fig.72

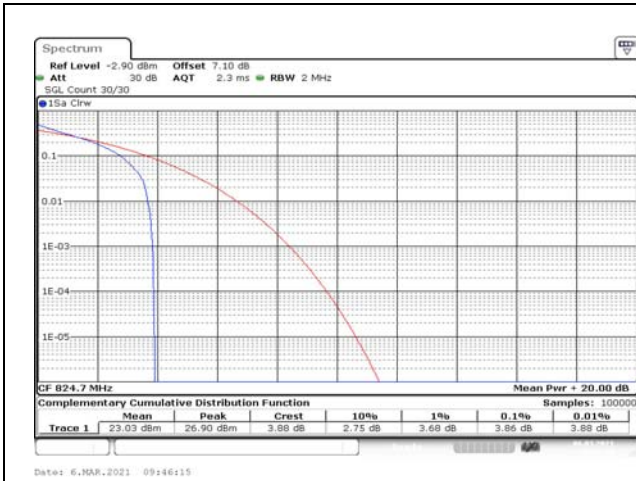


Fig.1

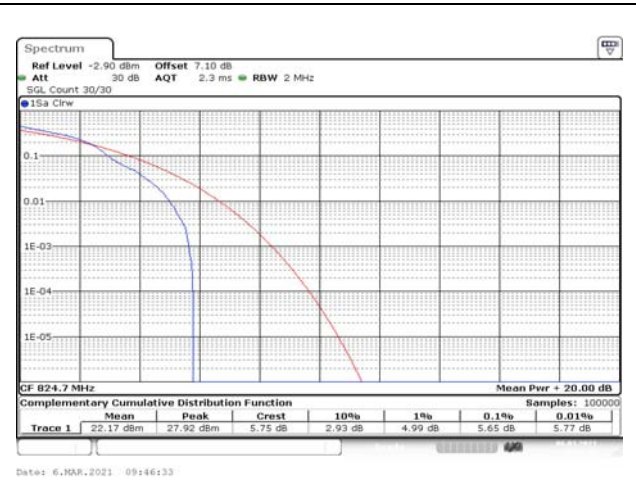


Fig.2



Fig.3



Fig.4

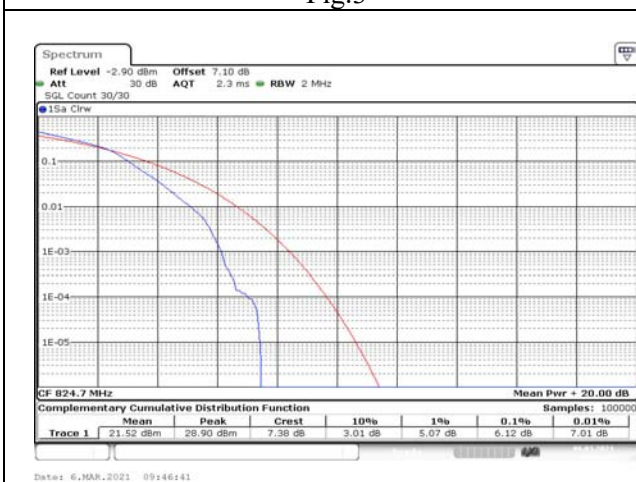


Fig.5

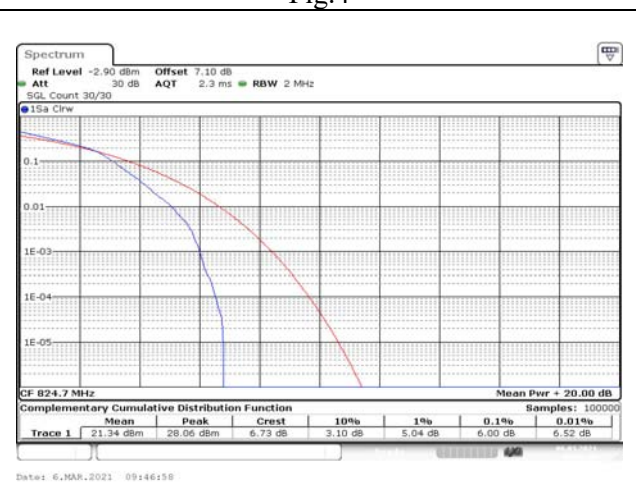


Fig.6

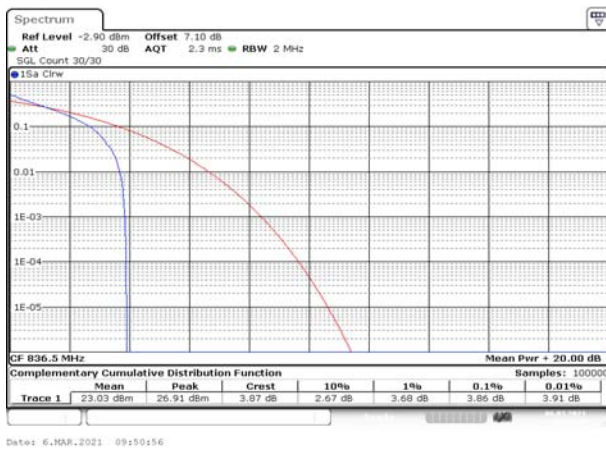


Fig.7

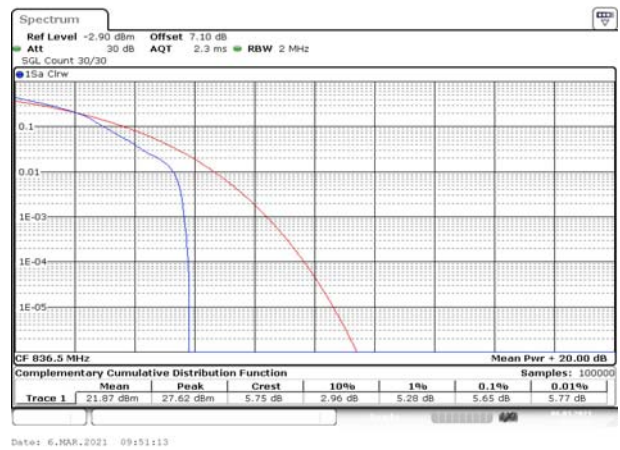


Fig.8

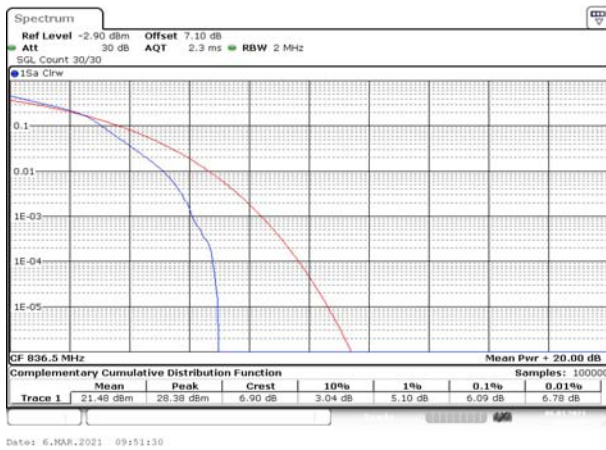


Fig.9

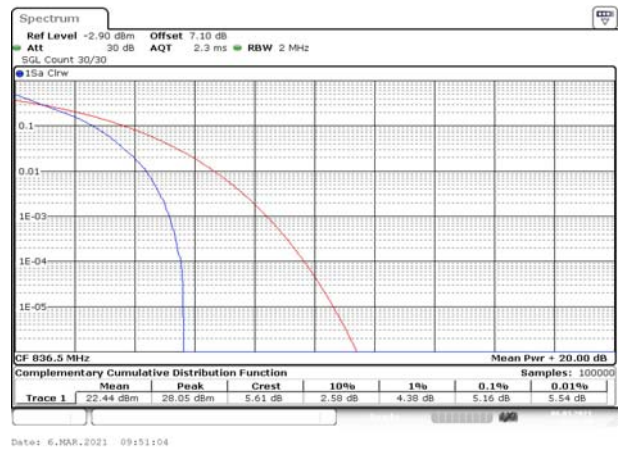


Fig.10

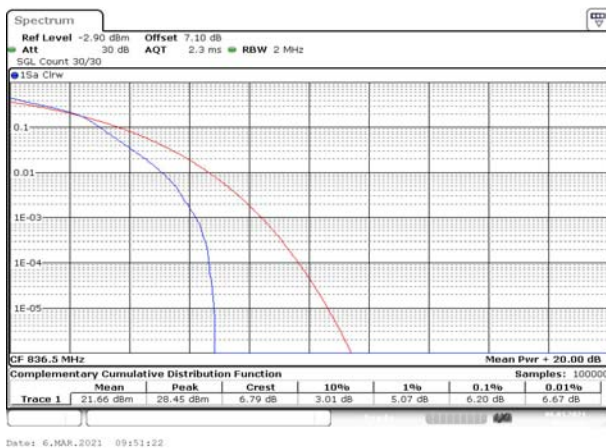


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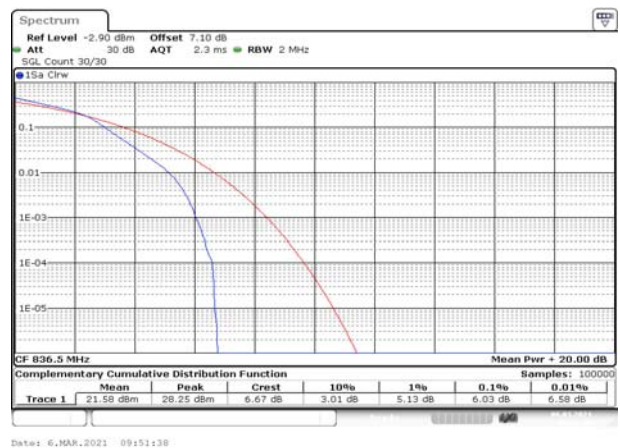


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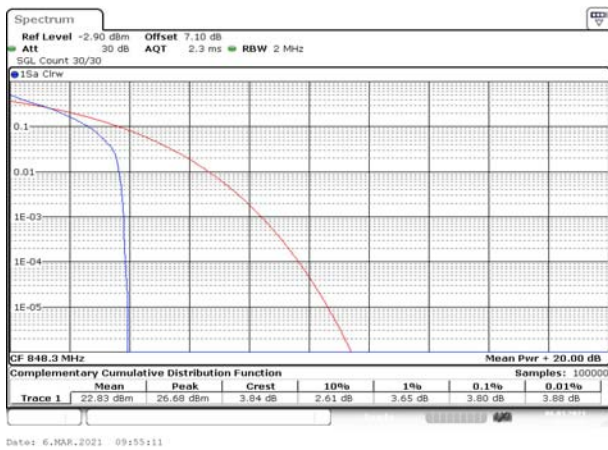


Fig.13

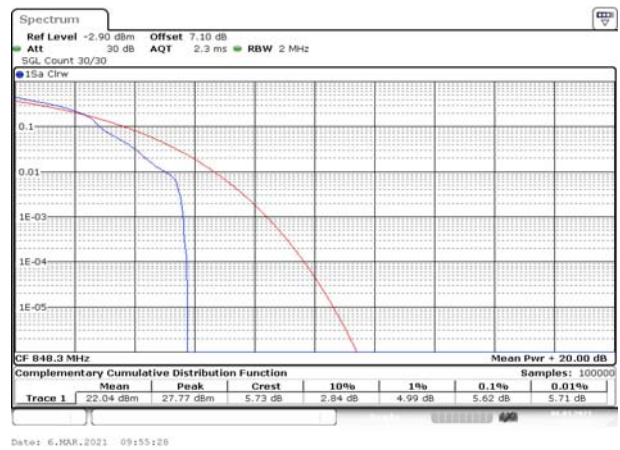


Fig.14

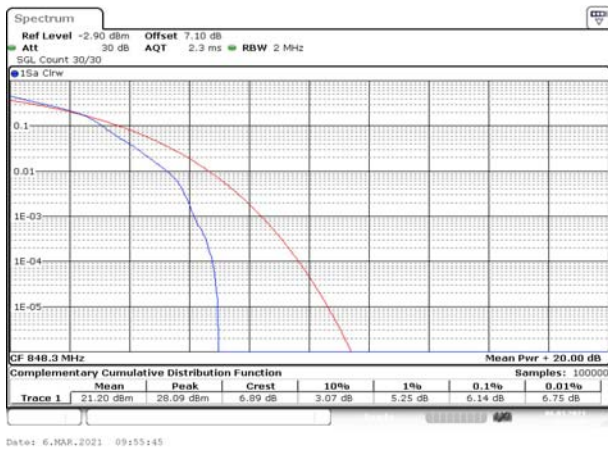


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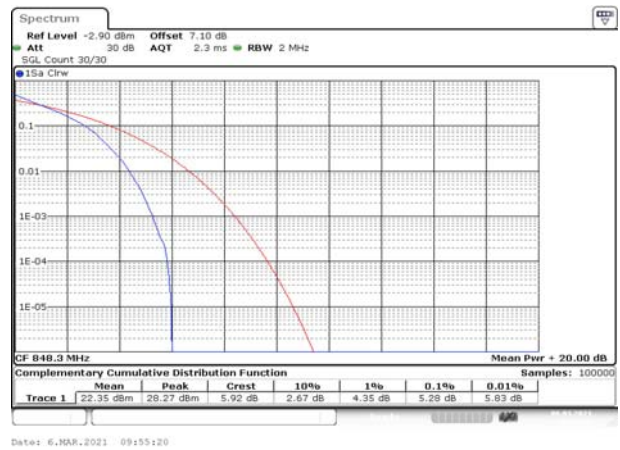


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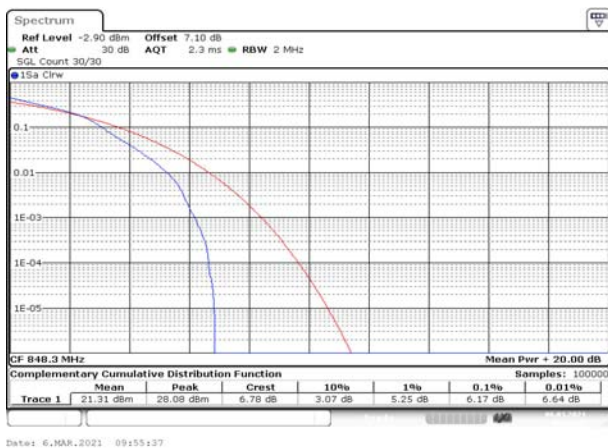


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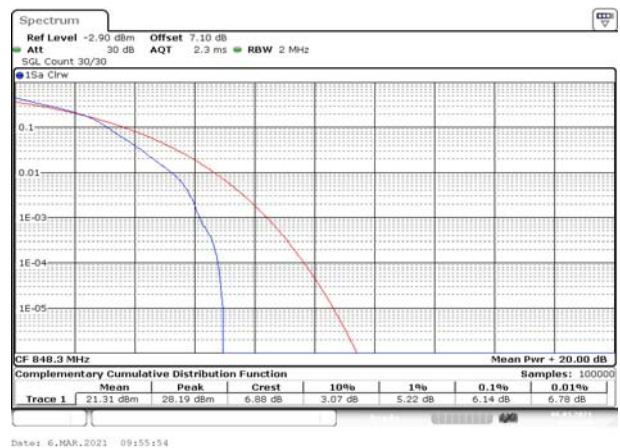


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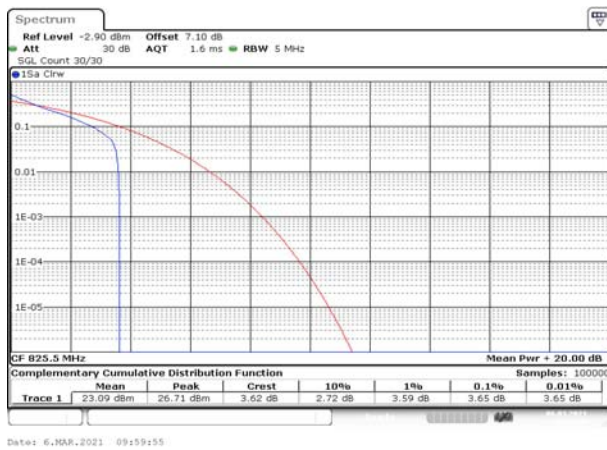


Fig.19

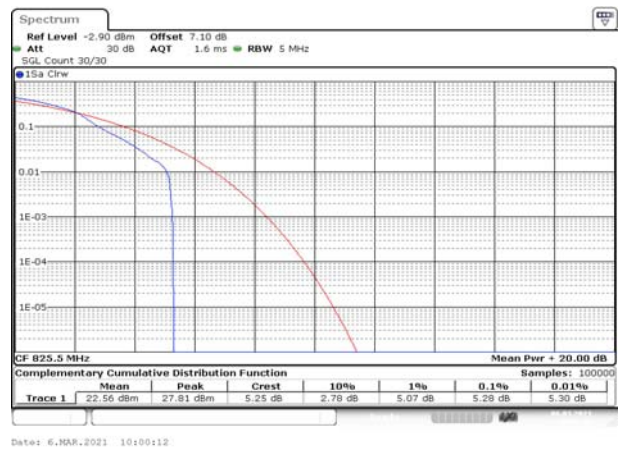


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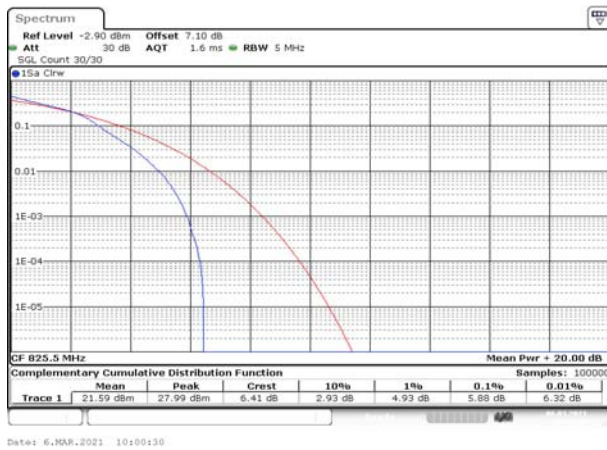


Fig.21

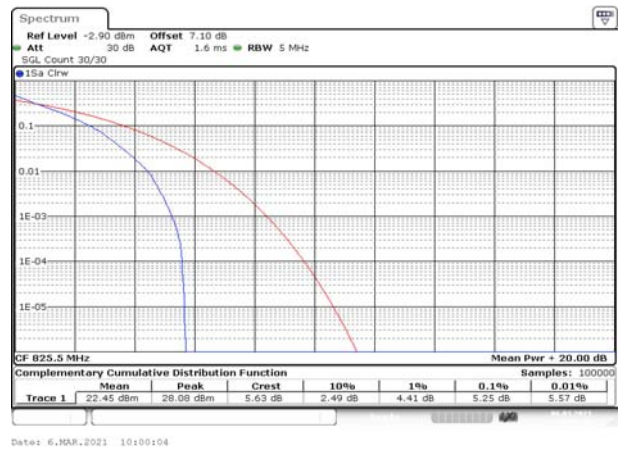


Fig.22

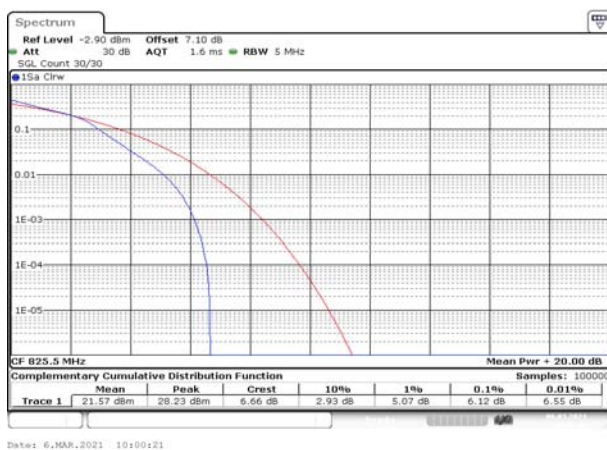


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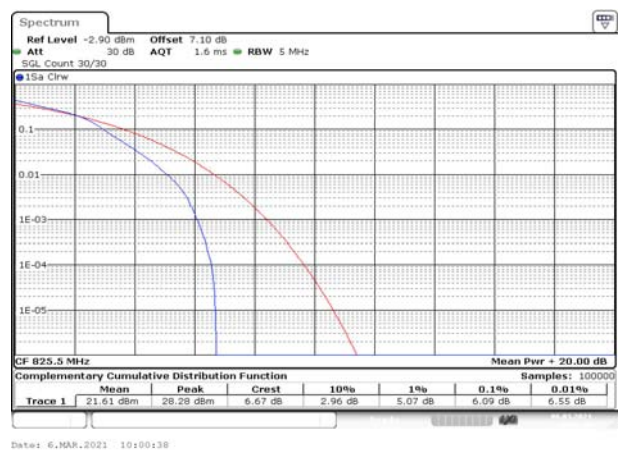


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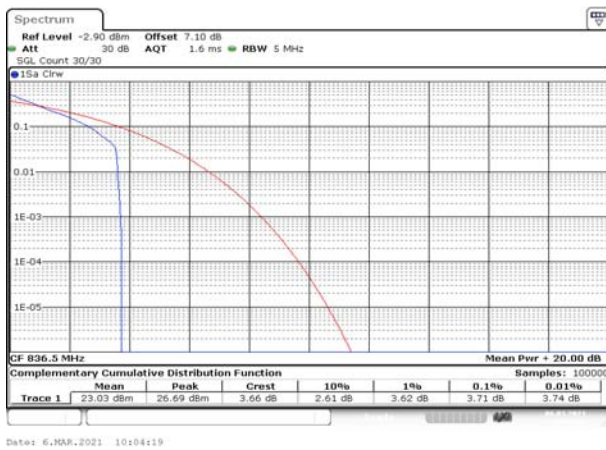


Fig.25

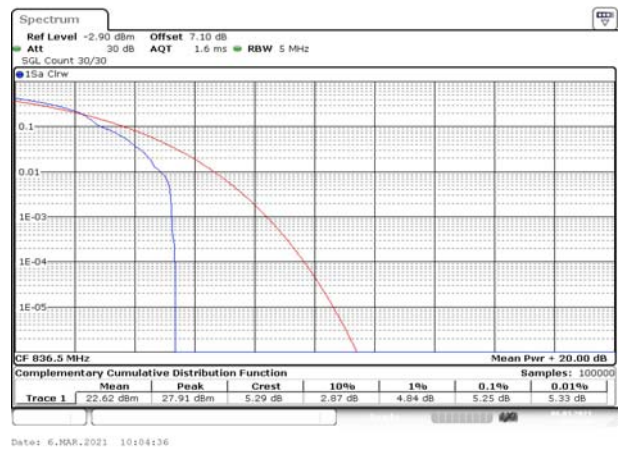


Fig.26

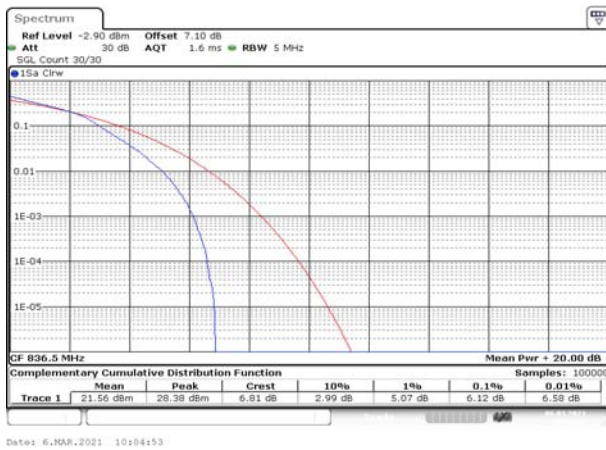


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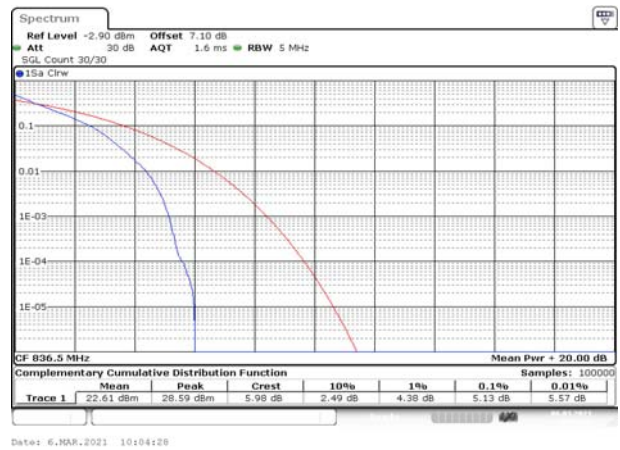


Fig.28

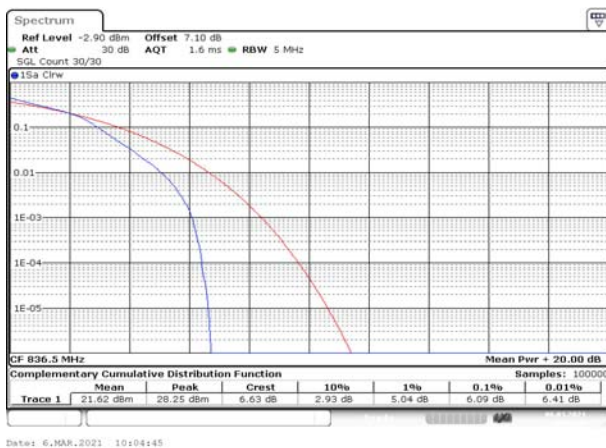


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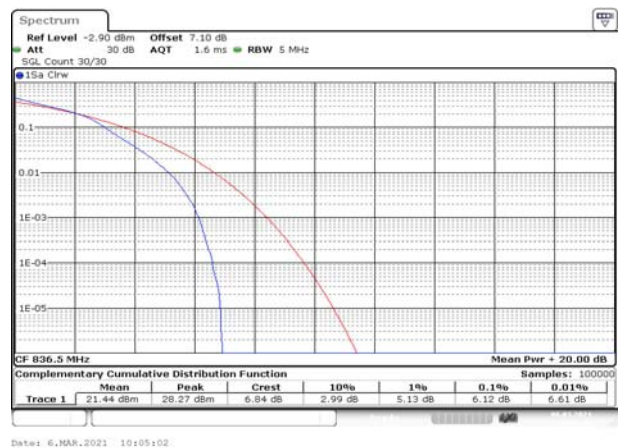


Fig.30

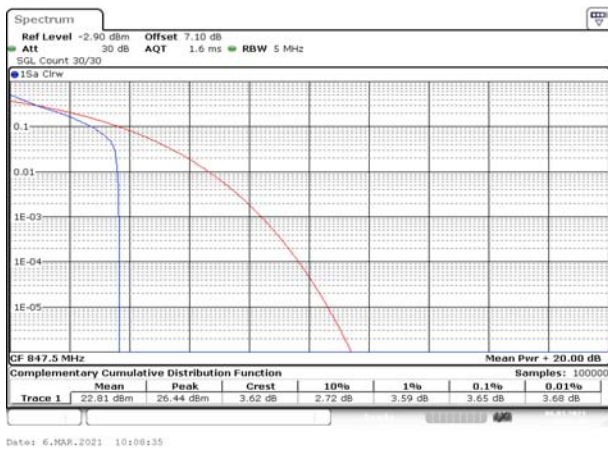


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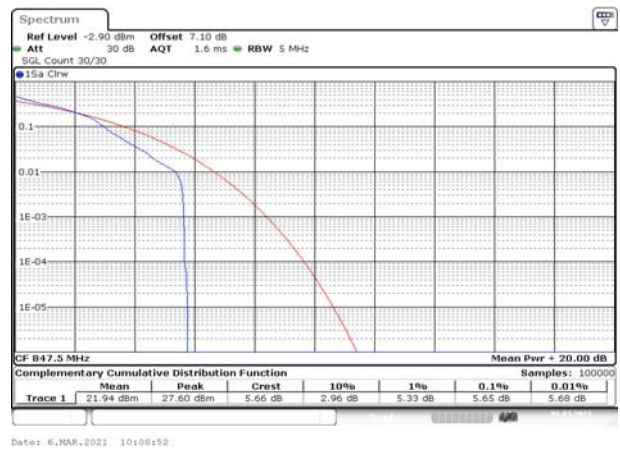


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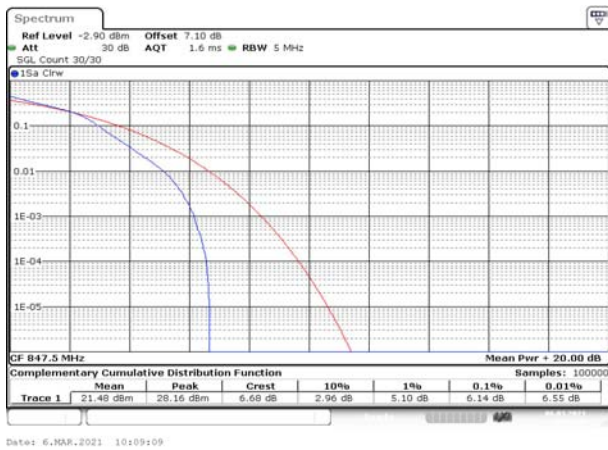


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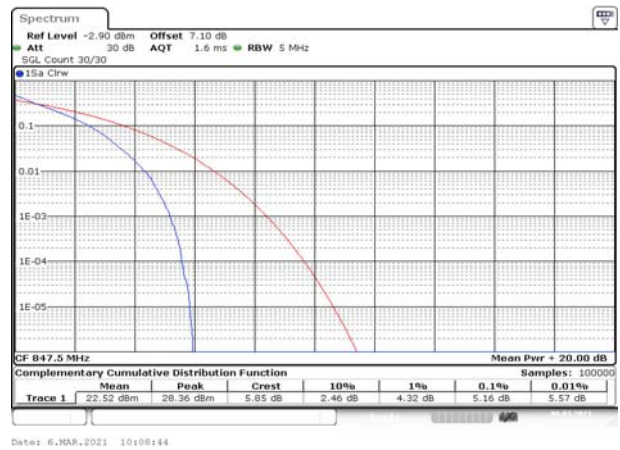


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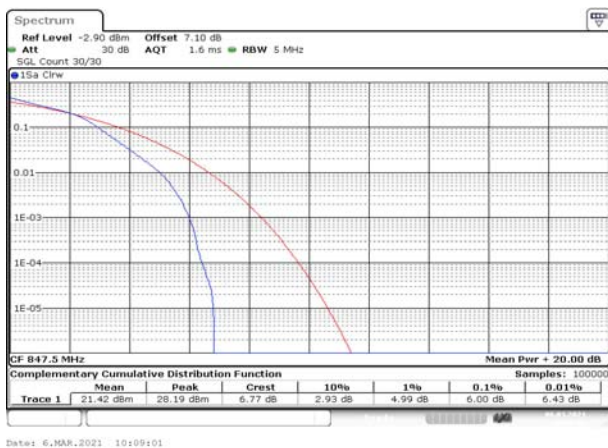


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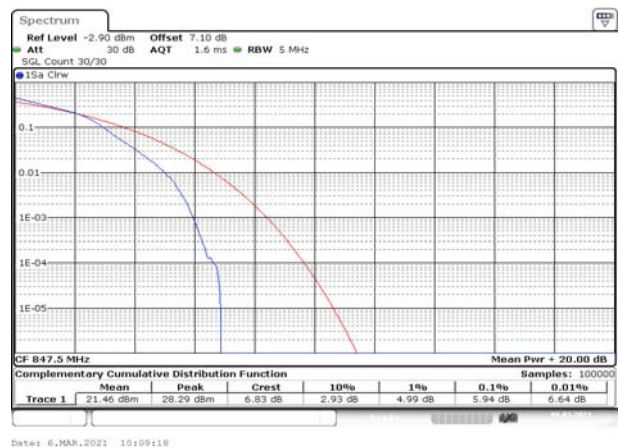


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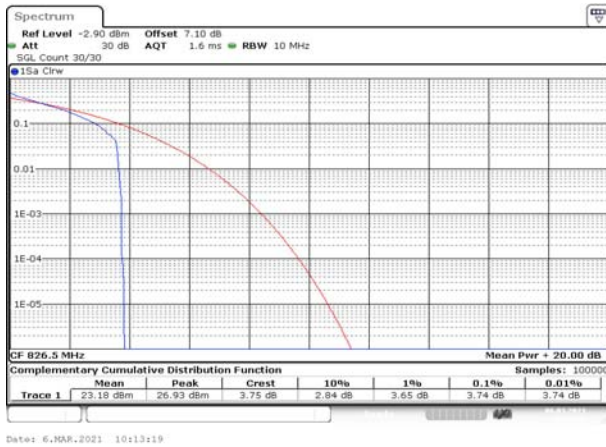


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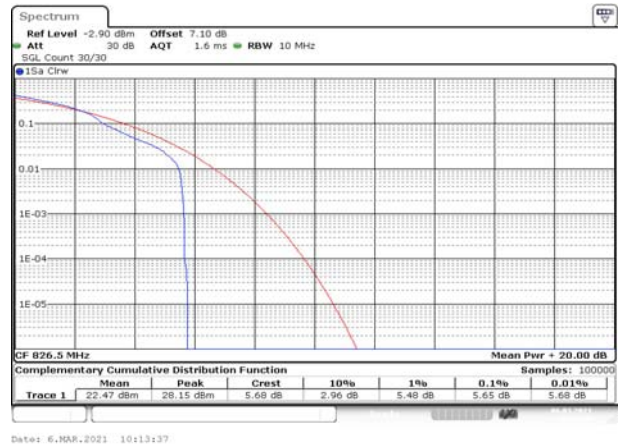


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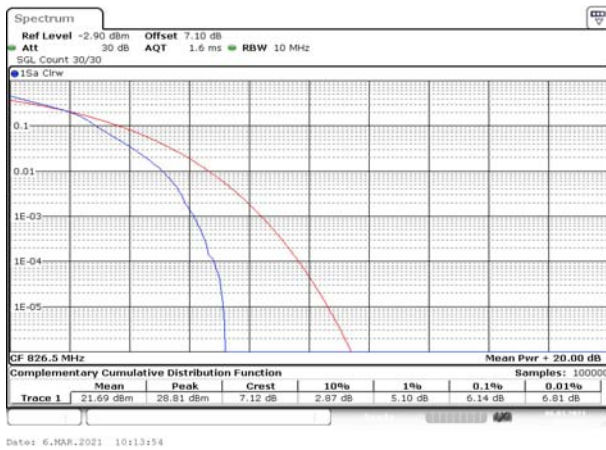


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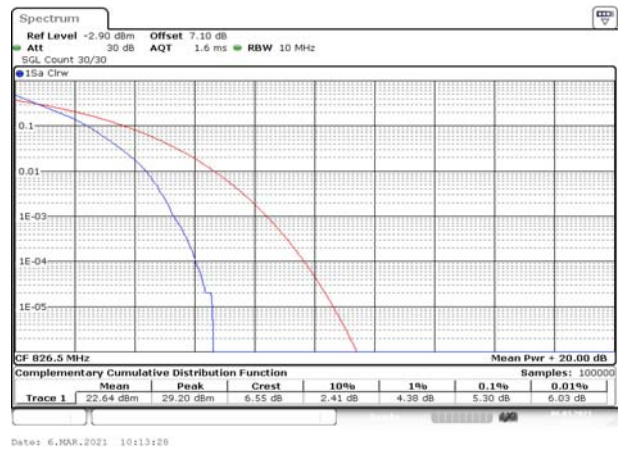


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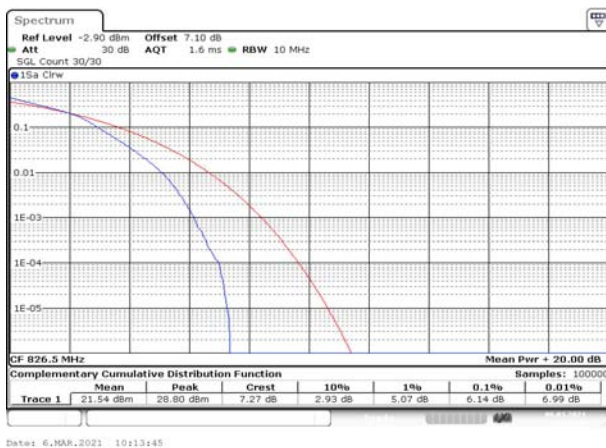


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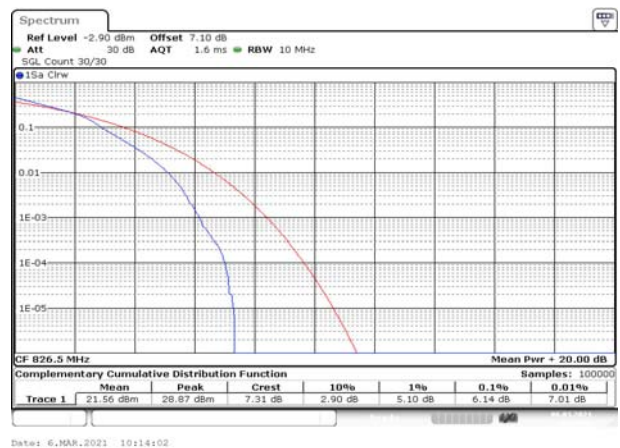


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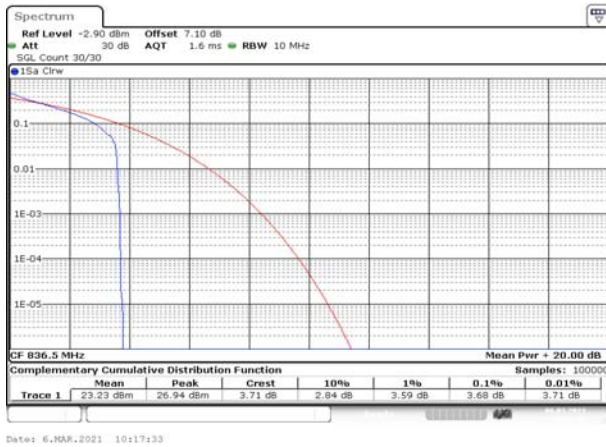


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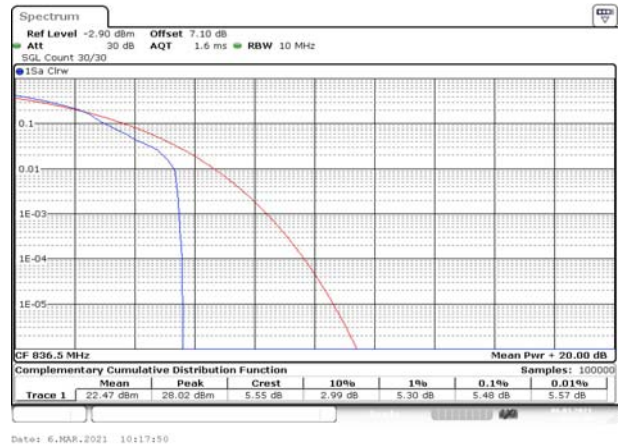


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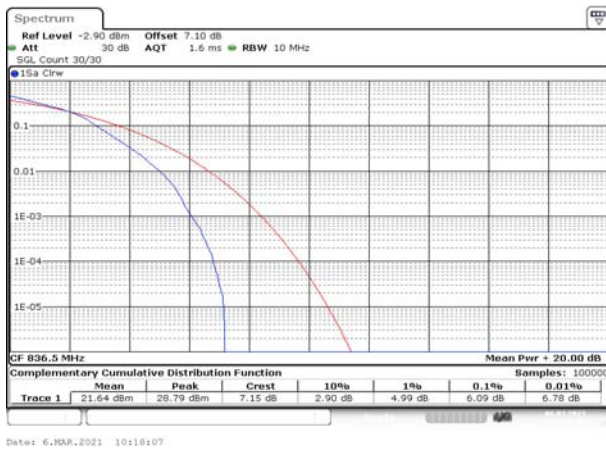


Fig.45

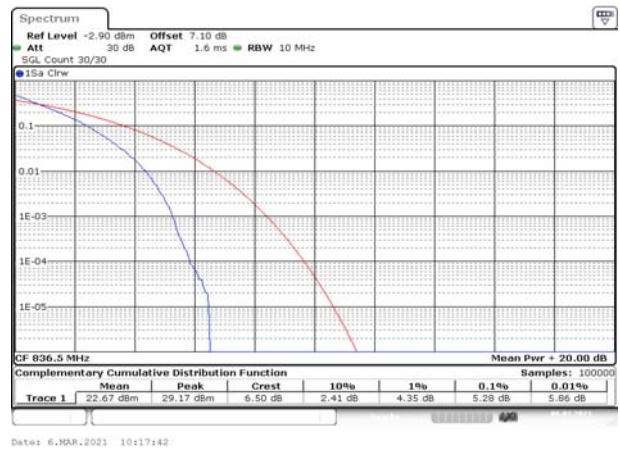


Fig.46

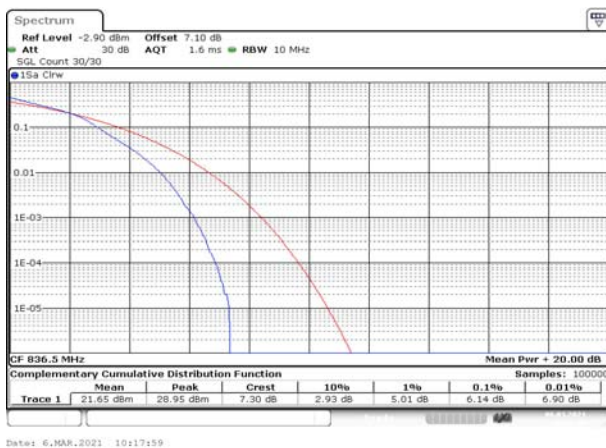


Fig.47

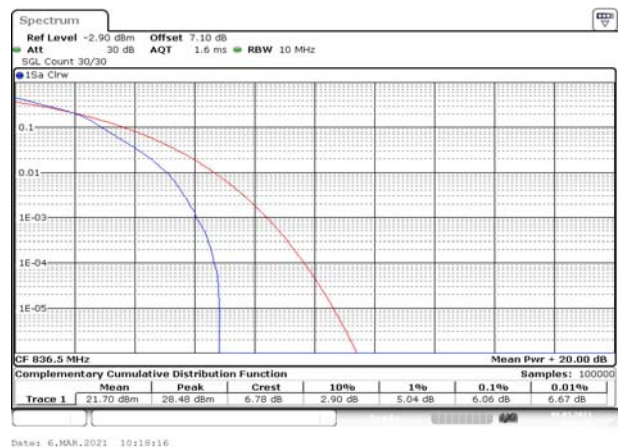


Fig.48

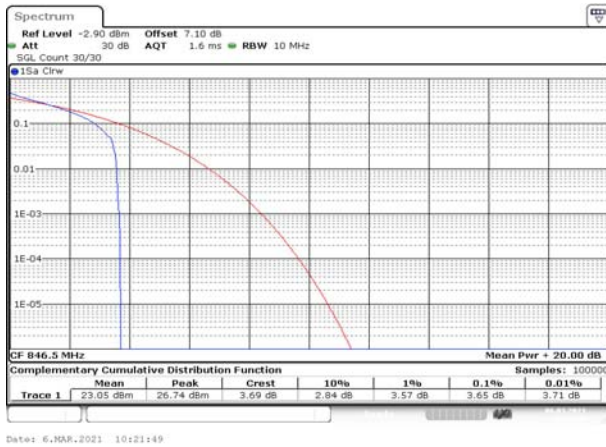


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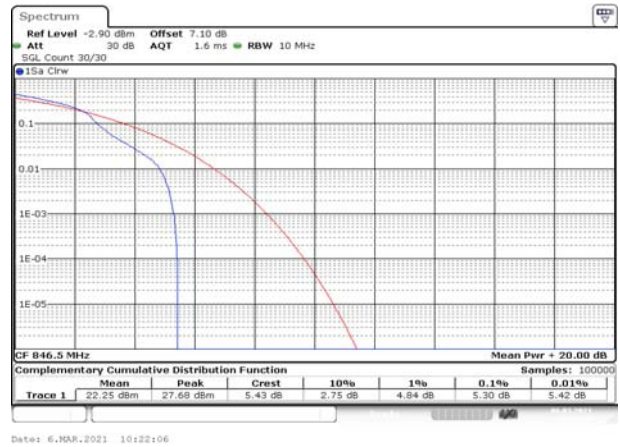


Fig.50

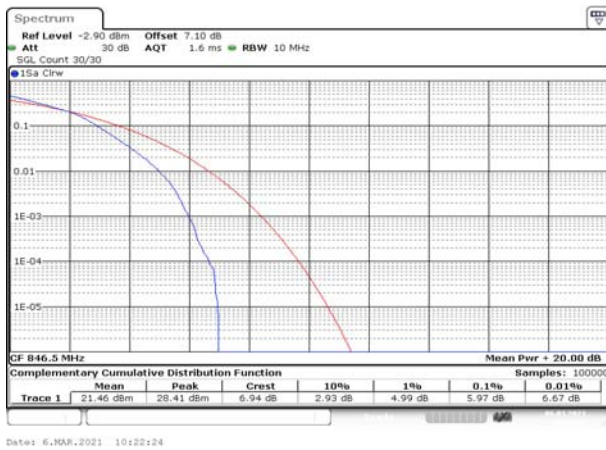


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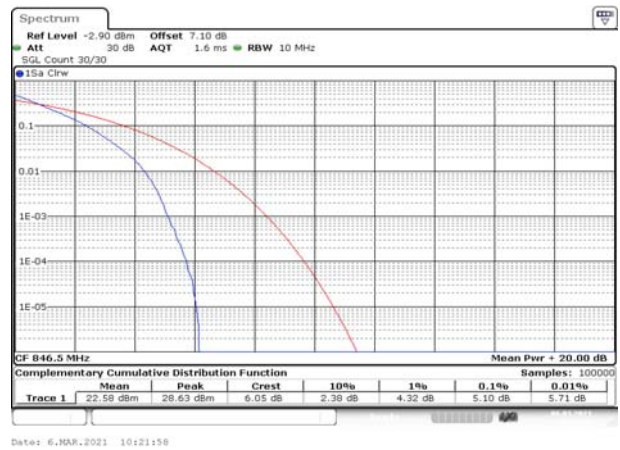


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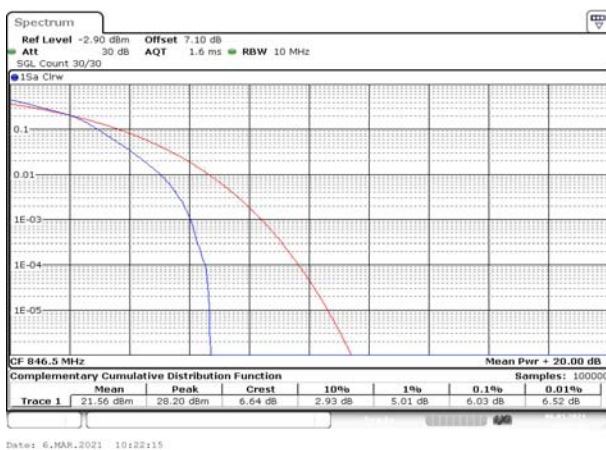


Fig.53

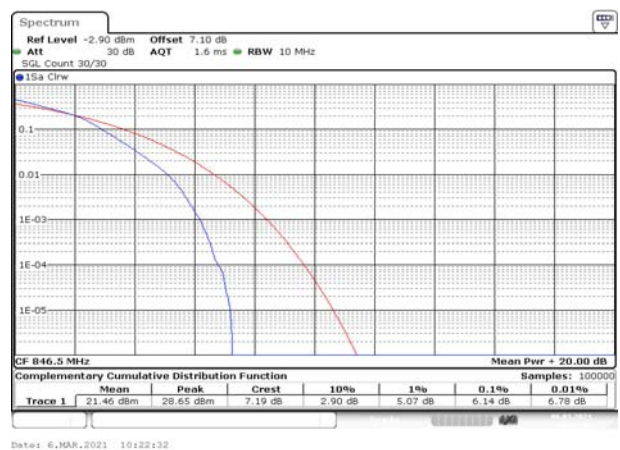


Fig.54

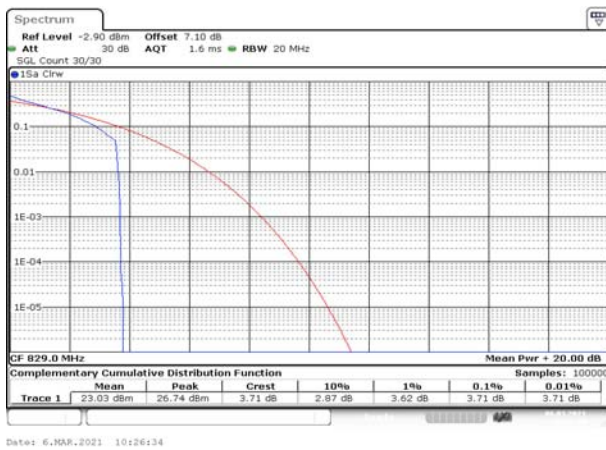


Fig.55

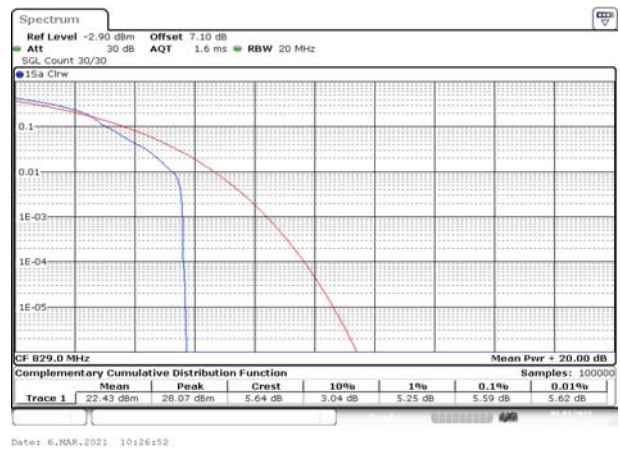


Fig.56

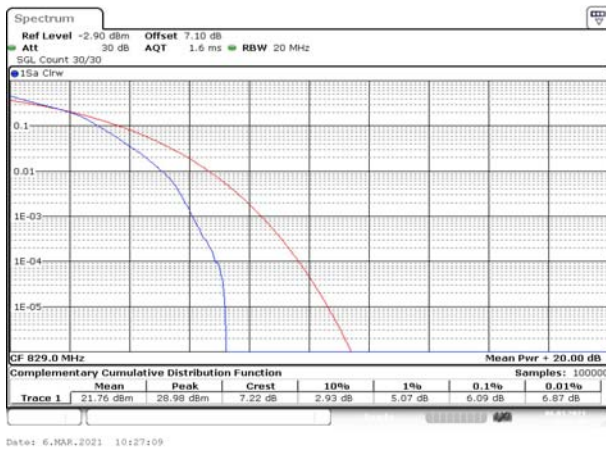


Fig.57

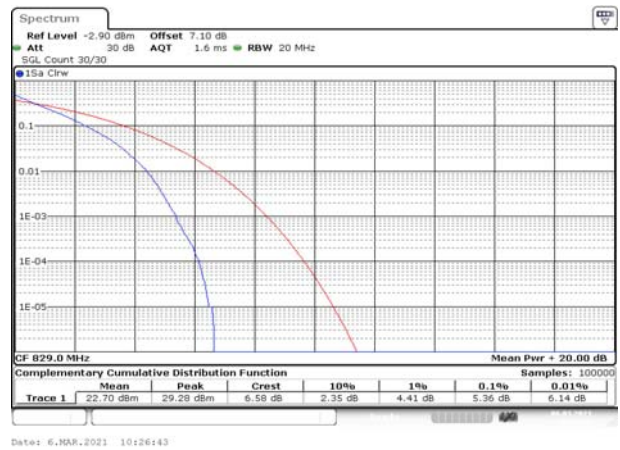


Fig.58

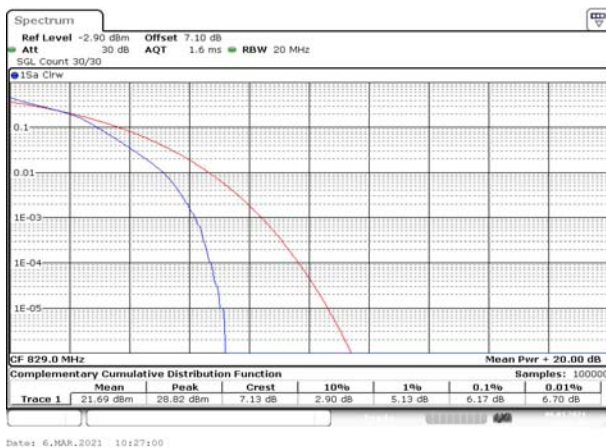


Fig.59

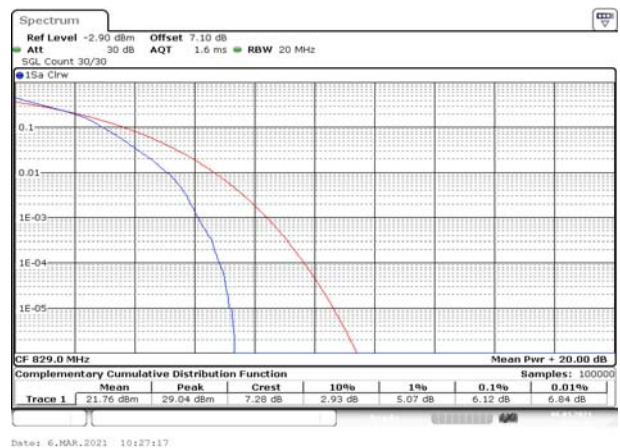


Fig.60

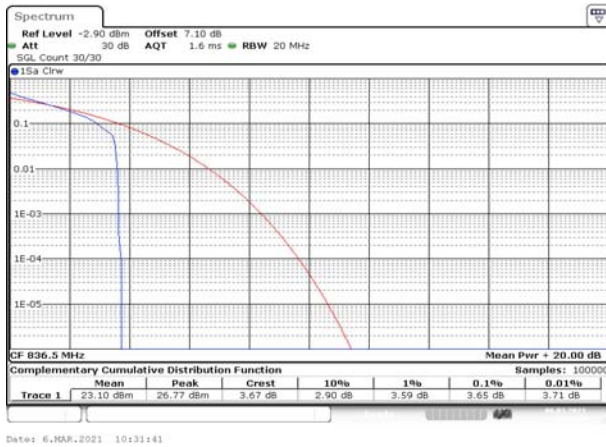


Fig.61

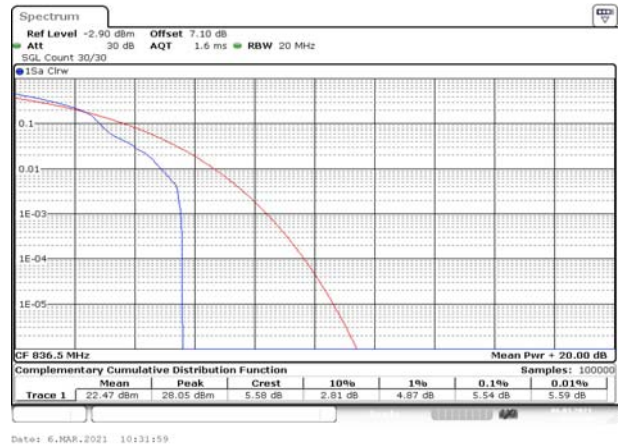


Fig.62

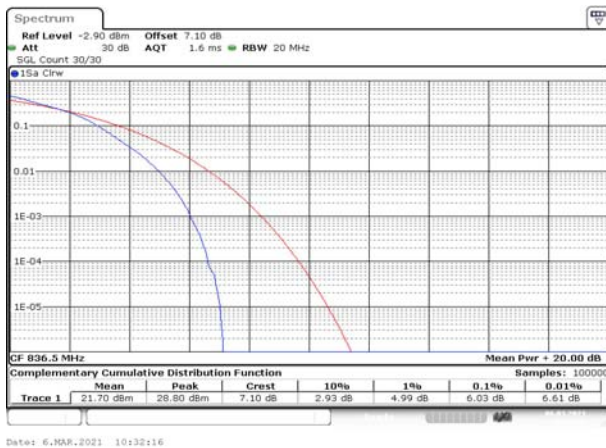


Fig.63

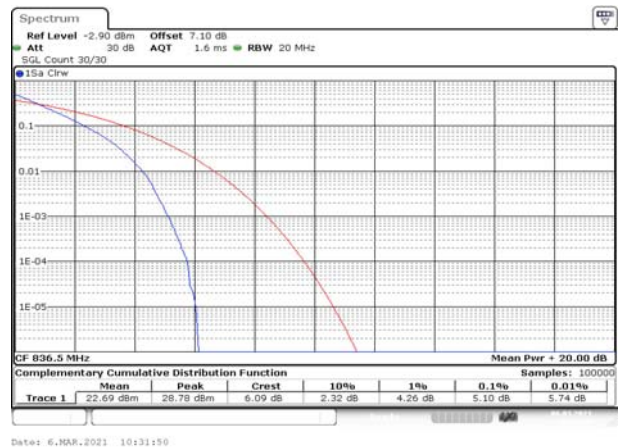


Fig.64

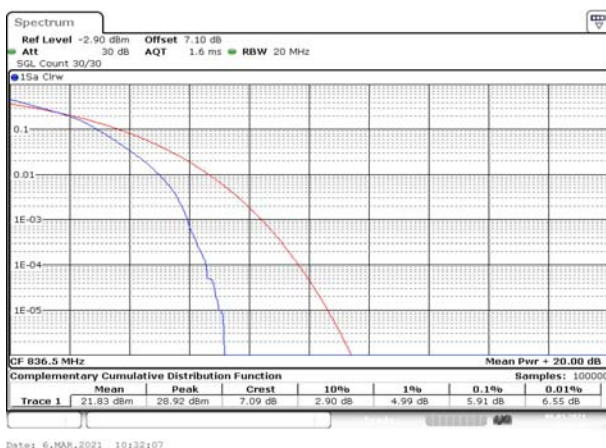


Fig.65

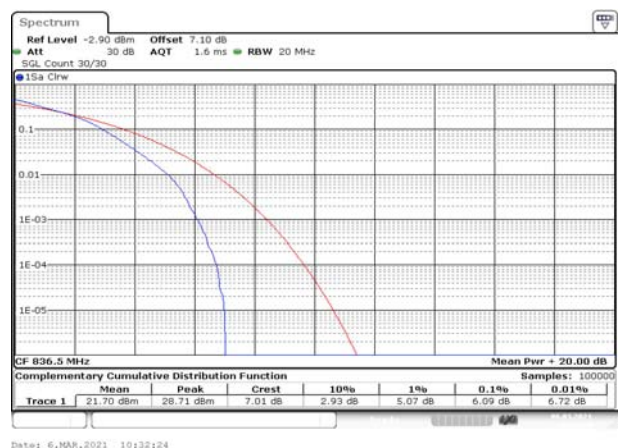


Fig.66

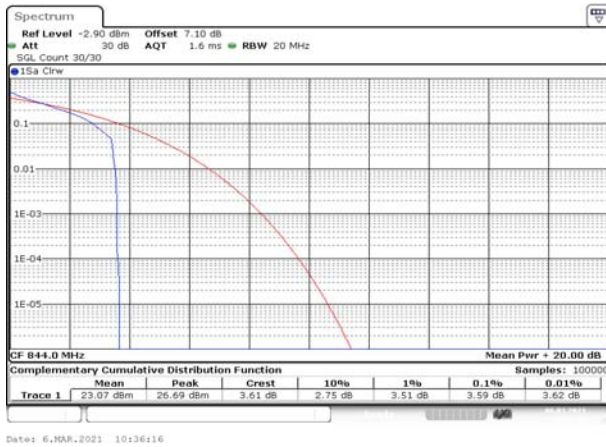


Fig.67

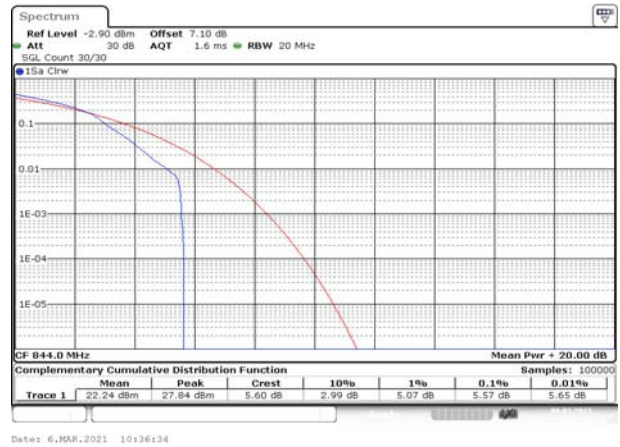


Fig.68

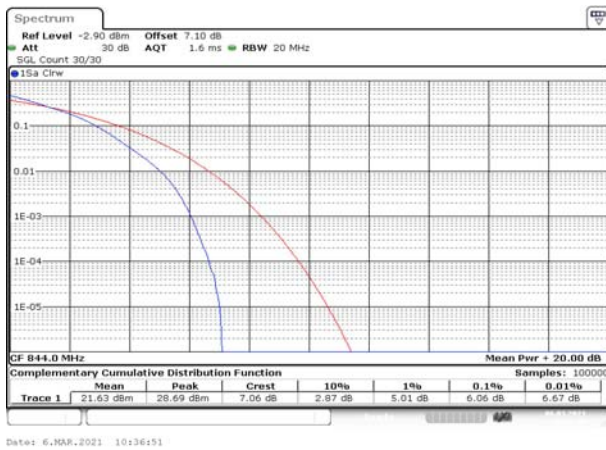


Fig.69

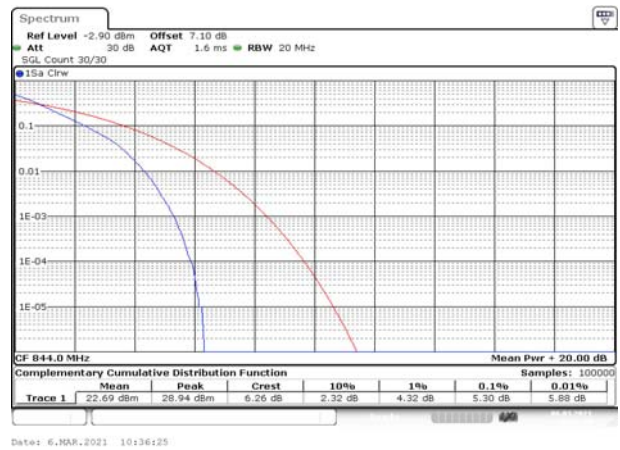


Fig.70

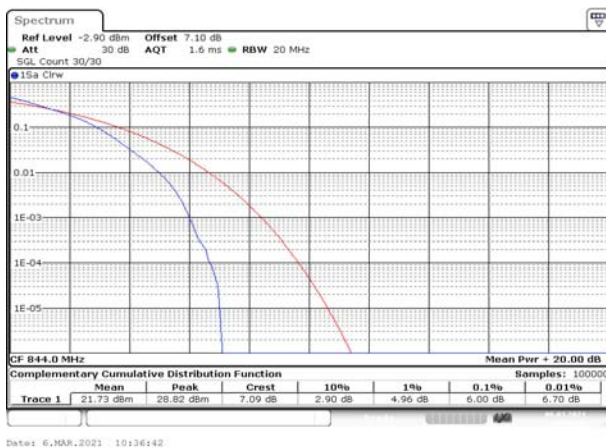


Fig.71

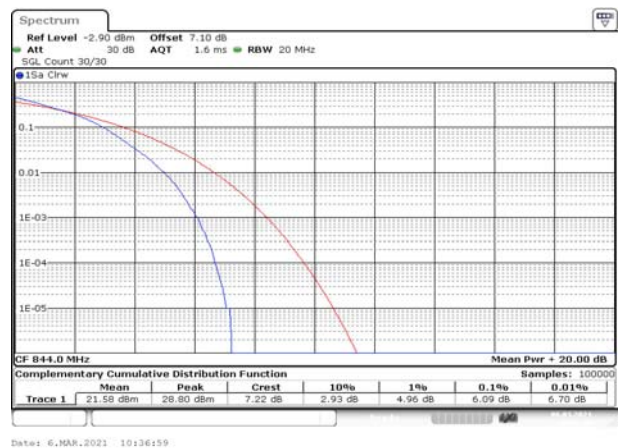


Fig.72

5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
5	829	20450	10	1	0	Fig.1
	836.5	20525		1	0	Fig.2
	844	20600		1	0	Fig.3

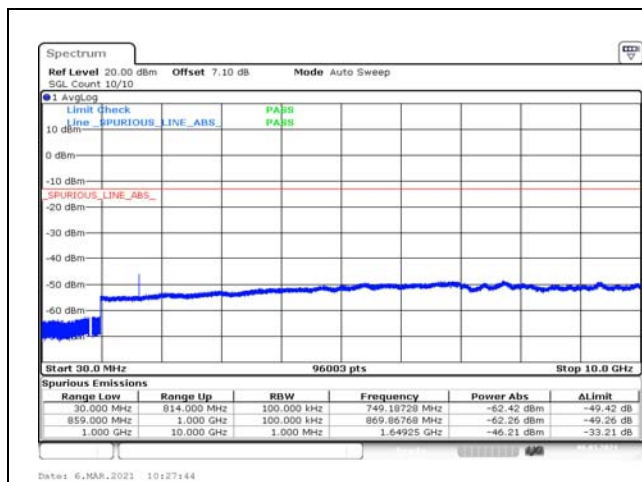


Fig.1

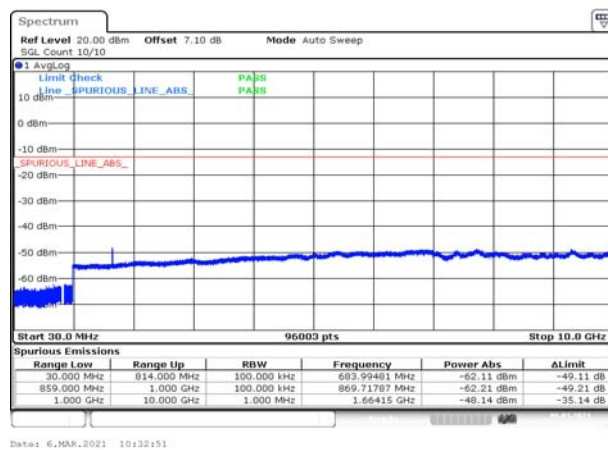


Fig.2

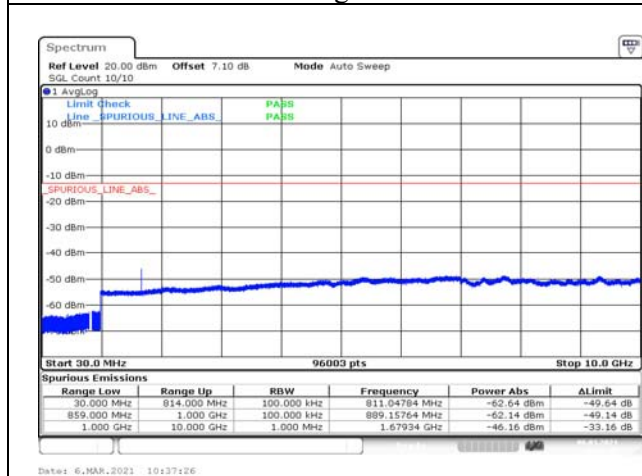
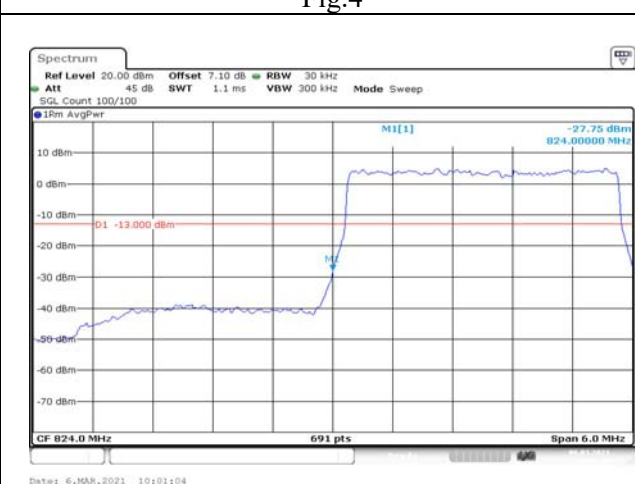
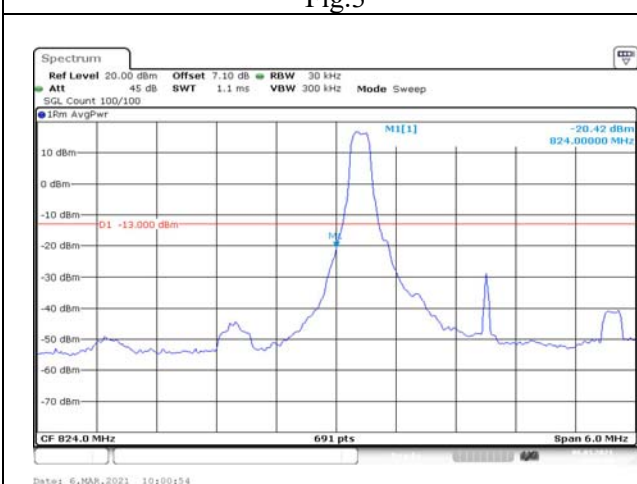
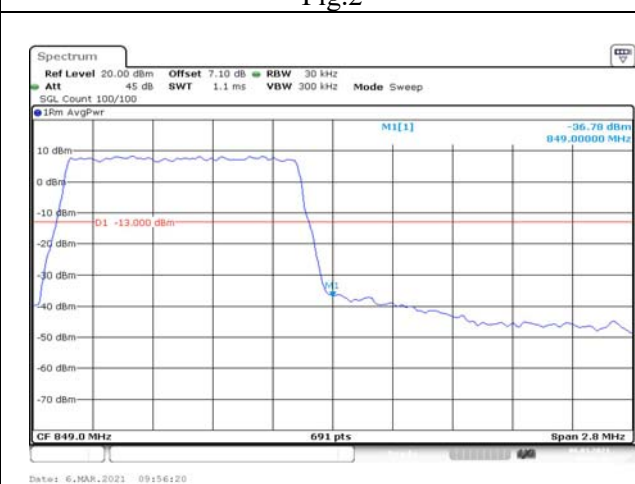
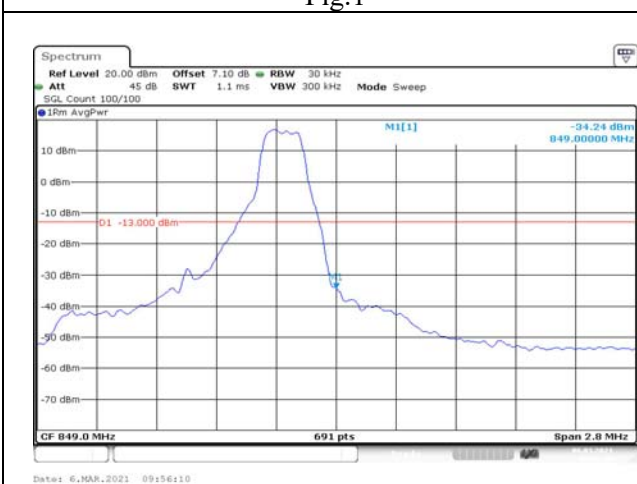
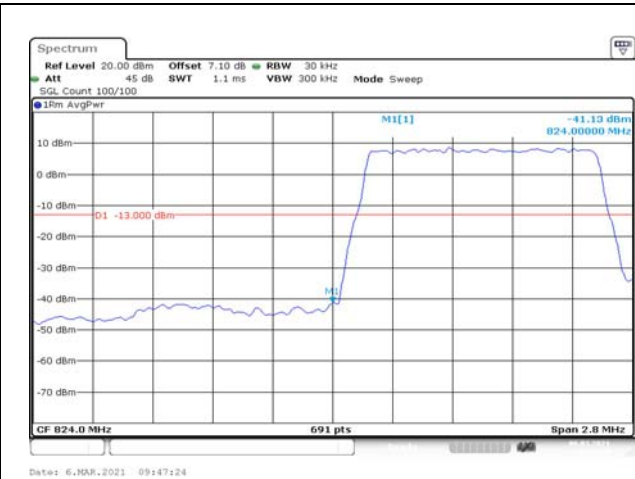
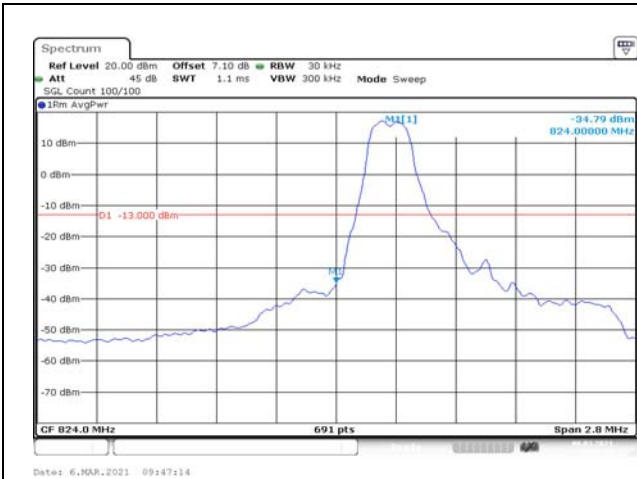


Fig.3

6 Band Edges Compliance

Band Edges Compliance							
Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot	
						QPSK	
5	824.7	20407	1.4	1	0	Fig.1	
				6	0	Fig.2	
		848.3		20643	1	5	Fig.3
					6	0	Fig.4
	825.5	20415	3	1	0	Fig.5	
				15	0	Fig.6	
		847.5		20635	1	14	Fig.7
					15	0	Fig.8
	826.5	20425	5	1	0	Fig.9	
				25	0	Fig.10	
		846.5		20625	1	24	Fig.11
					25	0	Fig.12
	829	20450	10	1	0	Fig.13	
				50	0	Fig.14	
		844		20600	1	49	Fig.15
					50	0	Fig.16



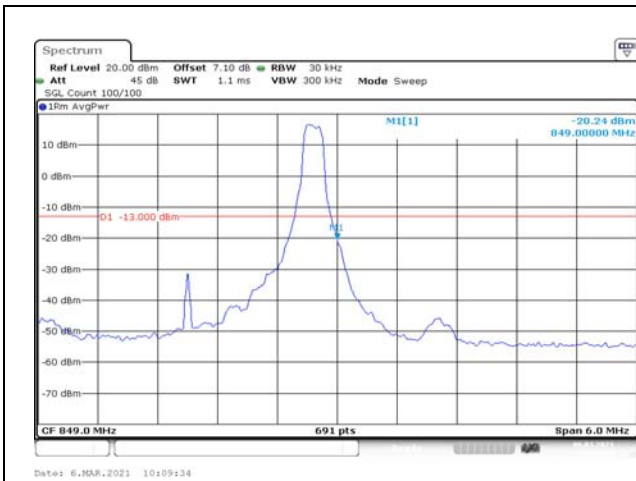


Fig.7

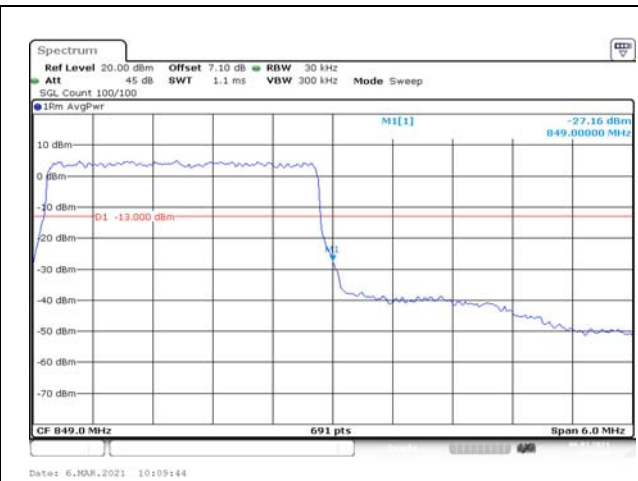


Fig.8

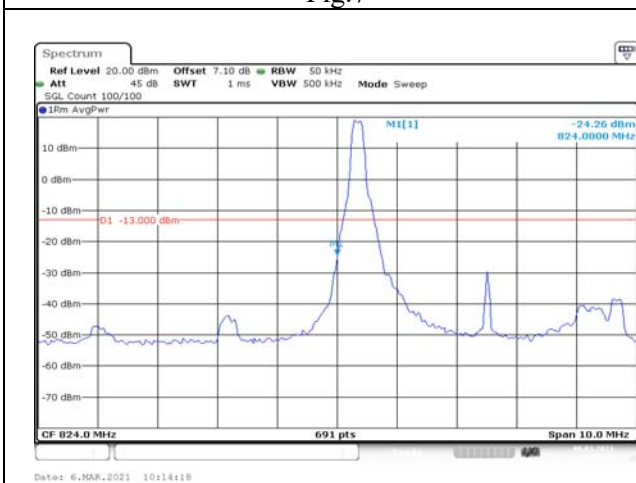


Fig.9

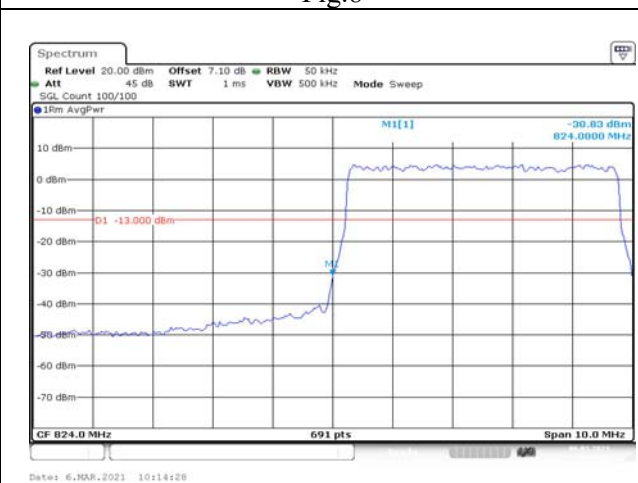


Fig.10

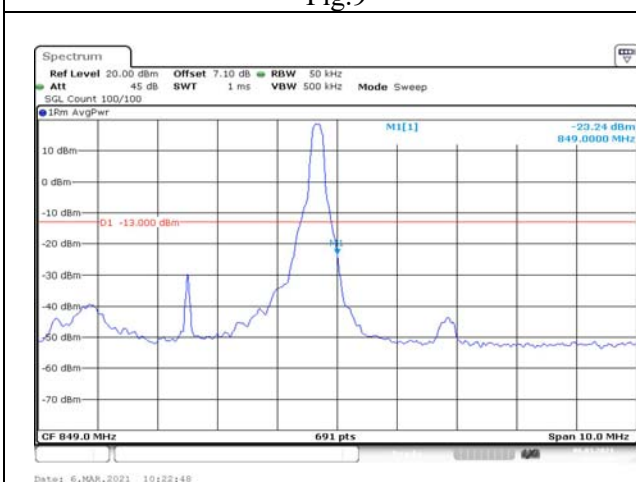


Fig.11

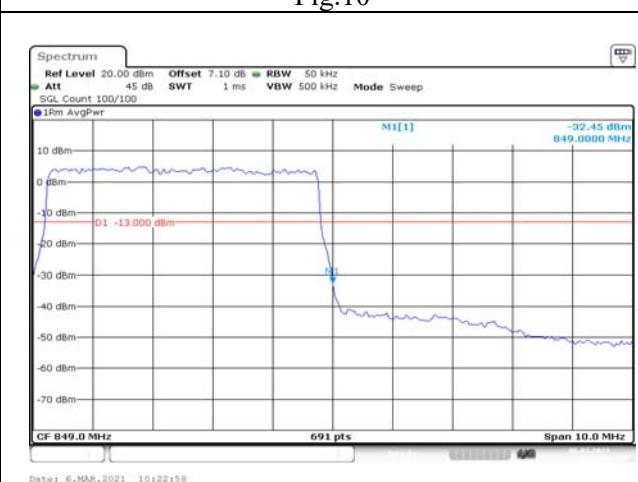
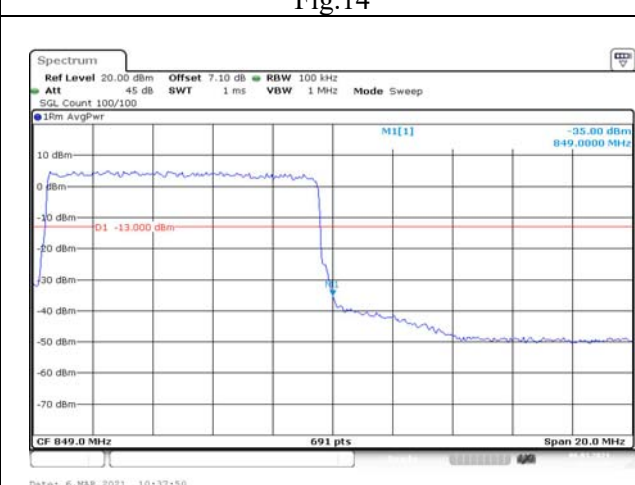
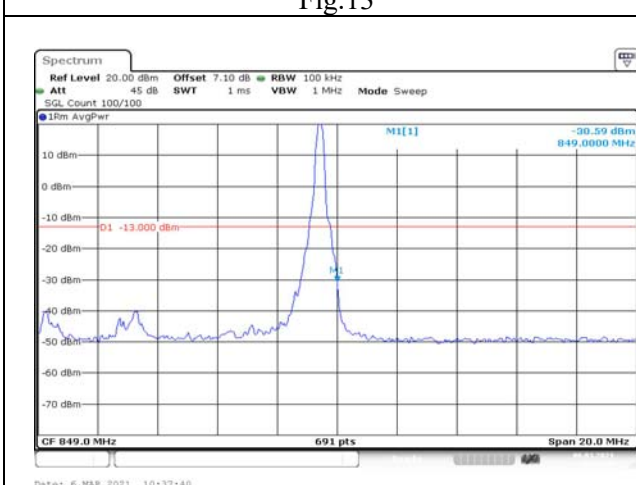
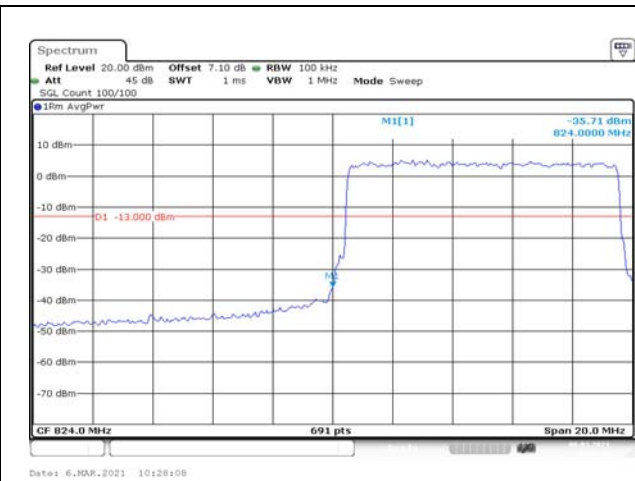
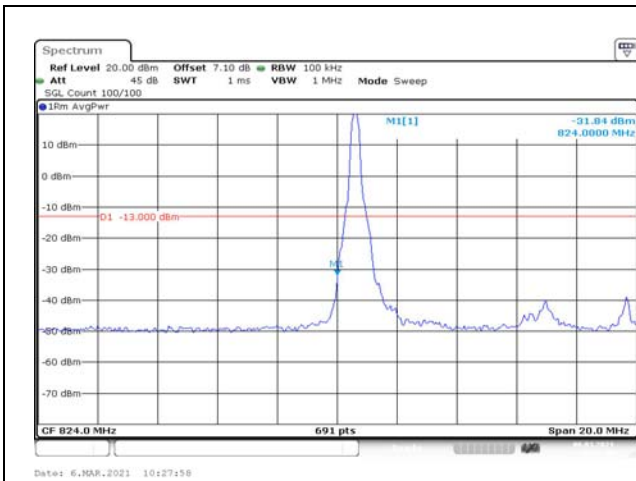


Fig.12



7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band5 Low Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	-0.026	0.005	0.001	0.008	---	---
-20	NV	0.003	0.000	-0.005	0.003	---	---
-10	NV	0.003	0.003	0.001	0.003	---	---
0	NV	0.002	0.003	-0.003	0.001	---	---
+10	NV	-0.026	0.005	0.001	0.008	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.010	0.004	0.001	0.004	---	---
+40	NV	0.000	0.004	-0.001	0.000	---	---
+50	NV	-0.013	0.000	0.004	0.010	---	---
+20	LV	-0.005	0.005	-0.003	0.002	---	---
+20	HV	0.008	0.000	-0.001	0.002	---	---

Temperature(°C)	Voltage	Test Result (ppm) Band5 High Channel QPSK					
		1.4M	3M	5M	10M	15M	20M
-30	NV	0.005	0.000	-0.001	0.006	---	---
-20	NV	0.002	0.005	0.000	0.010	---	---
-10	NV	0.001	0.005	0.003	0.001	---	---
0	NV	0.008	0.003	-0.001	0.002	---	---
+10	NV	-0.012	-0.006	0.003	0.005	---	---
+20	NV	0.000	0.000	0.000	0.000	---	---
+30	NV	-0.005	0.006	-0.003	0.008	---	---
+40	NV	0.005	0.000	-0.001	0.006	---	---
+50	NV	0.018	0.007	-0.003	0.010	---	---
+20	LV	0.010	0.007	0.001	0.008	---	---
+20	HV	-0.010	0.005	0.004	0.006	---	---

8 Effective Radiated Power and Effective Isotropic Radiated Power

Effective Radiated Power and Effective Isotropic Radiated Power									
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	824.7	20407	1.4	1	0	23.66	16.31	0.043	
				1	3	23.87	16.52	0.045	
				1	5	23.73	16.38	0.043	
				3	0	22.77	15.42	0.035	
				3	1	22.79	15.44	0.035	
				3	3	22.82	15.47	0.035	
	836.5	20525		6	0	21.88	14.53	0.028	
				1	0	23.72	16.37	0.043	
				1	3	23.76	16.41	0.044	
				1	5	23.83	16.48	0.044	
				3	0	22.77	15.42	0.035	
				3	1	22.74	15.39	0.035	
	848.3	20643		3	3	22.81	15.46	0.035	
				6	0	21.87	14.52	0.028	
				1	0	23.54	16.19	0.042	
				1	3	23.55	16.20	0.042	
				1	5	23.58	16.23	0.042	
				3	0	22.57	15.22	0.033	
	16QAM	824.7		20407	3	1	22.47	15.12	0.033
					3	3	22.44	15.09	0.032
					6	0	21.65	14.30	0.027
					1	0	22.95	15.60	0.036
					1	3	22.95	15.60	0.036
					1	5	23.00	15.65	0.037
836.5		20525	3	0	21.98	14.63	0.029		
			3	1	21.95	14.60	0.029		
			3	3	21.84	14.49	0.028		
			6	0	21.02	13.67	0.023		
			1	0	22.91	15.56	0.036		
			1	3	22.84	15.49	0.035		
848.3		20643	1	5	22.98	15.63	0.037		
			3	0	21.81	14.46	0.028		
			3	1	21.88	14.53	0.028		
			3	3	21.92	14.57	0.029		
			6	0	20.91	13.56	0.023		
			1	0	22.83	15.48	0.035		
848.3		20643	1	3	22.71	15.36	0.034		
			1	5	22.74	15.39	0.035		
			3	0	21.73	14.38	0.027		
			3	1	21.85	14.50	0.028		
			3	3	21.89	14.54	0.028		
			6	0	20.60	13.25	0.021		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	824.7	20407	1.4	1	0	21.79	14.44	0.028
				1	3	21.86	14.51	0.028
				1	5	21.92	14.57	0.029
				3	0	20.92	13.57	0.023
				3	1	20.88	13.53	0.023
				3	3	20.71	13.36	0.022
				6	0	19.91	12.56	0.018
	836.5	20525		1	0	22.02	14.67	0.029
				1	3	21.94	14.59	0.029
				1	5	21.92	14.57	0.029
				3	0	20.99	13.64	0.023
				3	1	20.92	13.57	0.023
				3	3	20.92	13.57	0.023
				6	0	19.95	12.60	0.018
	848.3	20643		1	0	21.53	14.18	0.026
				1	3	21.57	14.22	0.026
				1	5	21.60	14.25	0.027
				3	0	20.50	13.15	0.021
				3	1	20.60	13.25	0.021
				3	3	20.60	13.25	0.021
				6	0	19.60	12.25	0.017

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	825.5	20415	3	1	0	23.84	16.49	0.045
				1	8	23.76	16.41	0.044
				1	14	23.83	16.48	0.044
				8	0	22.93	15.58	0.036
				8	4	22.92	15.57	0.036
				8	7	22.82	15.47	0.035
				15	0	21.93	14.58	0.029
	836.5	20525		1	0	23.90	16.55	0.045
				1	8	23.88	16.53	0.045
				1	14	23.84	16.49	0.045
				8	0	22.89	15.54	0.036
				8	4	22.80	15.45	0.035
				8	7	22.80	15.45	0.035
				15	0	21.94	14.59	0.029
	847.5	20635		1	0	23.71	16.36	0.043
				1	8	23.62	16.27	0.042
				1	14	23.61	16.26	0.042
				8	0	22.81	15.46	0.035
				8	4	22.78	15.43	0.035
				8	7	22.81	15.46	0.035
				15	0	21.80	14.45	0.028
16QAM	825.5	20415	1	0	23.46	16.11	0.041	
			1	8	23.36	16.01	0.040	
			1	14	23.57	16.22	0.042	
			8	0	22.18	14.83	0.030	
			8	4	22.29	14.94	0.031	
			8	7	21.99	14.64	0.029	
			15	0	20.99	13.64	0.023	
	836.5	20525	1	0	23.53	16.18	0.041	
			1	8	23.42	16.07	0.040	
			1	14	23.63	16.28	0.042	
			8	0	22.23	14.88	0.031	
			8	4	22.35	15.00	0.032	
			8	7	22.12	14.77	0.030	
			15	0	21.00	13.65	0.023	
	847.5	20635	1	0	23.38	16.03	0.040	
			1	8	23.29	15.94	0.039	
			1	14	23.27	15.92	0.039	
			8	0	22.15	14.80	0.030	
			8	4	22.14	14.79	0.030	
			8	7	21.89	14.54	0.028	
			15	0	20.82	13.47	0.022	

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	825.5	20415	3	1	0	21.99	14.64	0.029
				1	8	21.98	14.63	0.029
				1	14	21.99	14.64	0.029
				8	0	20.99	13.64	0.023
				8	4	20.99	13.64	0.023
				8	7	20.96	13.61	0.023
				15	0	19.99	12.64	0.018
	836.5	20525		1	0	22.00	14.65	0.029
				1	8	21.99	14.64	0.029
				1	14	21.74	14.39	0.027
				8	0	21.05	13.70	0.023
				8	4	20.91	13.56	0.023
				8	7	21.04	13.69	0.023
				15	0	20.05	12.70	0.019
	847.5	20635		1	0	21.91	14.56	0.029
				1	8	21.81	14.46	0.028
				1	14	21.92	14.57	0.029
				8	0	20.75	13.40	0.022
				8	4	20.81	13.46	0.022
				8	7	20.82	13.47	0.022
				15	0	19.92	12.57	0.018

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)	
QPSK	826.5	20425	5	1	0	23.96	16.61	0.046	
				1	12	23.86	16.51	0.045	
				1	24	23.75	16.40	0.044	
				12	0	22.95	15.60	0.036	
				12	7	22.93	15.58	0.036	
				12	13	22.93	15.58	0.036	
	25	0		21.94	14.59	0.029			
	836.5	20525		1	0	23.92	16.57	0.045	
				1	12	23.83	16.48	0.044	
				1	24	23.72	16.37	0.043	
				12	0	22.91	15.56	0.036	
				12	7	22.86	15.51	0.036	
				12	13	22.87	15.52	0.036	
	25	0		21.85	14.50	0.028			
	846.5	20625		1	0	23.80	16.45	0.044	
				1	12	23.54	16.19	0.042	
				1	24	23.63	16.28	0.042	
				12	0	22.85	15.50	0.035	
				12	7	22.71	15.36	0.034	
				12	13	22.84	15.49	0.035	
	16QAM	826.5		20425	25	0	21.74	14.39	0.027
					1	0	22.83	15.48	0.035
					1	12	22.84	15.49	0.035
					1	24	22.98	15.63	0.037
12					0	21.96	14.61	0.029	
12					7	21.89	14.54	0.028	
12		13		21.81	14.46	0.028			
25		0		21.04	13.69	0.023			
836.5		20525		1	0	22.93	15.58	0.036	
				1	12	22.97	15.62	0.036	
				1	24	22.77	15.42	0.035	
				12	0	21.83	14.48	0.028	
				12	7	21.80	14.45	0.028	
				12	13	21.80	14.45	0.028	
25		0		20.99	13.64	0.023			
846.5		20625		1	0	22.92	15.57	0.036	
				1	12	22.98	15.63	0.037	
				1	24	22.88	15.53	0.036	
				12	0	21.90	14.55	0.029	
				12	7	21.82	14.47	0.028	
				12	13	21.76	14.41	0.028	
25		0		20.72	13.37	0.022			

Modulation	Carrier frequen cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	826.5	20425	5	1	0	21.98	14.63	0.029
				1	12	21.96	14.61	0.029
				1	24	21.95	14.60	0.029
				12	0	21.00	13.65	0.023
				12	7	20.95	13.60	0.023
				12	13	20.92	13.57	0.023
				25	0	20.00	12.65	0.018
	836.5	20525		1	0	21.99	14.64	0.029
				1	12	21.88	14.53	0.028
				1	24	21.97	14.62	0.029
				12	0	20.93	13.58	0.023
				12	7	20.94	13.59	0.023
				12	13	21.00	13.65	0.023
				25	0	19.90	12.55	0.018
	846.5	20625		1	0	21.87	14.52	0.028
				1	12	21.80	14.45	0.028
				1	24	21.76	14.41	0.028
				12	0	20.69	13.34	0.022
				12	7	20.75	13.40	0.022
				12	13	20.74	13.39	0.022
				25	0	19.75	12.40	0.017

Modulation	Carrier frequerncy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	829	20450	10	1	0	23.96	16.61	0.046
				1	25	23.90	16.55	0.045
				1	49	23.82	16.47	0.044
				25	0	22.91	15.56	0.036
				25	12	23.00	15.65	0.037
				25	25	22.98	15.63	0.037
	50	0		22.06	14.71	0.030		
	836.5	20525		1	0	23.99	16.64	0.046
				1	25	23.91	16.56	0.045
				1	49	23.94	16.59	0.046
				25	0	22.95	15.60	0.036
				25	12	22.95	15.60	0.036
				25	25	22.90	15.55	0.036
	50	0		21.97	14.62	0.029		
	844	20600		1	0	23.92	16.57	0.045
				1	25	23.68	16.33	0.043
				1	49	23.70	16.35	0.043
				25	0	22.92	15.57	0.036
				25	12	22.88	15.53	0.036
				25	25	22.83	15.48	0.035
	16QAM	829		20450	50	0	21.94	14.59
1			0		22.62	15.27	0.034	
1			25		22.45	15.10	0.032	
1			49		22.38	15.03	0.032	
25			0		21.41	14.06	0.025	
25			12		21.51	14.16	0.026	
25		25	21.43	14.08	0.026			
50		0	20.69	13.34	0.022			
836.5		20525	1	0	22.84	15.49	0.035	
			1	25	22.89	15.54	0.036	
			1	49	22.75	15.40	0.035	
			25	0	21.92	14.57	0.029	
			25	12	21.94	14.59	0.029	
			25	25	21.91	14.56	0.029	
50		0	20.96	13.61	0.023			
844		20600	1	0	23.00	15.65	0.037	
			1	25	22.75	15.40	0.035	
			1	49	22.92	15.57	0.036	
			25	0	21.96	14.61	0.029	
			25	12	21.85	14.50	0.028	
			25	25	21.88	14.53	0.028	
50	0	20.97	13.62	0.023				

Modulation	Carrier frequern cy (MHz)	UL Channel	BW	RB Size	RB Offset	Conduct ed power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
64QAM	829	20450	10	1	0	21.99	14.64	0.029
				1	25	21.98	14.63	0.029
				1	49	21.98	14.63	0.029
				25	0	20.99	13.64	0.023
				25	12	20.99	13.64	0.023
				25	25	20.99	13.64	0.023
				50	0	19.98	12.63	0.018
	836.5	20525		1	0	21.96	14.61	0.029
				1	25	21.96	14.61	0.029
				1	49	21.96	14.61	0.029
				25	0	21.03	13.68	0.023
				25	12	20.95	13.60	0.023
				25	25	20.95	13.60	0.023
				50	0	20.02	12.67	0.018
	844	20600		1	0	21.83	14.48	0.028
				1	25	21.89	14.54	0.028
				1	49	21.89	14.54	0.028
				25	0	20.85	13.50	0.022
				25	12	20.87	13.52	0.022
				25	25	20.92	13.57	0.023
				50	0	19.89	12.54	0.018