APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 14

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	790.5	23305	5	1	0	23.31
QPSK	790.5	23305	5	1	12	22.87
QPSK	790.5	23305	5	1	24	22.36
QPSK	790.5	23305	5	12	0	21.91
QPSK	790.5	23305	5	12	7	21.86
QPSK	790.5	23305	5	12	13	21.67
QPSK	790.5	23305	5	25	0	21.78
QPSK	793	23330	5	1	0	22.88
QPSK	793	23330	5	1	12	22.21
QPSK	793	23330	5	1	24	21.68
QPSK	793	23330	5	12	0	21.58
QPSK	793	23330	5	12	7	21.26
QPSK	793	23330	5	12	13	20.97
QPSK	793	23330	5	25	0	21.29
QPSK	795.5	23355	5	1	0	22.12
QPSK	795.5	23355	5	1	12	21.85
QPSK	795.5	23355	5	1	24	21.75
QPSK	795.5	23355	5	12	0	20.99
QPSK	795.5	23355	5	12	7	20.83
QPSK	795.5	23355	5	12	13	20.80
QPSK	795.5	23355	5	25	0	20.88

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	790.5	23305	5	1	0	22.07
16QAM	790.5	23305	5	1	12	22.33
16QAM	790.5	23305	5	1	24	21.90
16QAM	790.5	23305	5	12	0	20.96
16QAM	790.5	23305	5	12	7	20.86
16QAM	790.5	23305	5	12	13	20.65
16QAM	790.5	23305	5	25	0	20.74
16QAM	793	23330	5	1	0	22.37
16QAM	793	23330	5	1	12	21.80
16QAM	793	23330	5	1	24	21.32
16QAM	793	23330	5	12	0	20.72
16QAM	793	23330	5	12	7	20.31
16QAM	793	23330	5	12	13	20.03
16QAM	793	23330	5	25	0	20.38
16QAM	795.5	23355	5	1	0	21.17
16QAM	795.5	23355	5	1	12	21.25
16QAM	795.5	23355	5	1	24	21.21
16QAM	795.5	23355	5	12	0	20.02
16QAM	795.5	23355	5	12	7	19.95
16QAM	795.5	23355	5	12	13	19.97
16QAM	795.5	23355	5	25	0	19.91
64QAM	790.5	23305	5	1	0	21.96
64QAM	790.5	23305	5	1	12	21.82
64QAM	790.5	23305	5	1	24	21.18
64QAM	790.5	23305	5	12	0	20.91
64QAM	790.5	23305	5	12	7	20.88
64QAM	790.5	23305	5	12	13	20.55
64QAM	790.5	23305	5	25	0	20.87
64QAM	793	23330	5	1	0	21.83
64QAM	793	23330	5	1	12	21.45
64QAM	793	23330	5	1	24	21.13
64QAM	793	23330	5	12	0	20.53
64QAM	793	23330	5	12	7	20.27
64QAM	793	23330	5	12	13	20.08
64QAM	793	23330	5	25	0	20.35
64QAM	795.5	23355	5	1	0	21.25
64QAM	795.5	23355	5	1	12	21.04
64QAM	795.5	23355	5	1	24	20.63
64QAM	795.5	23355	5	12	0	19.99
64QAM	795.5	23355	5	12	7	20.00
64QAM	795.5	23355	5	12	13	19.85
64QAM	795.5	23355	5	25	0	19.86

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	793	23330	10	1	0	22.77
QPSK	793	23330	10	1	25	22.23
QPSK	793	23330	10	1	49	21.78
QPSK	793	23330	10	25	0	21.71
QPSK	793	23330	10	25	12	21.33
QPSK	793	23330	10	25	25	19.80
QPSK	793	23330	10	50	0	21.31
QPSK	793	23330	10	1	0	22.73
QPSK	793	23330	10	1	25	22.15
QPSK	793	23330	10	1	49	21.69
QPSK	793	23330	10	25	0	21.69
QPSK	793	23330	10	25	12	21.32
QPSK	793	23330	10	25	25	20.87
QPSK	793	23330	10	50	0	21.31
QPSK	793	23330	10	1	0	22.86
QPSK	793	23330	10	1	25	22.13
QPSK	793	23330	10	1	49	21.67
QPSK	793	23330	10	25	0	21.70
QPSK	793	23330	10	25	12	21.29
QPSK	793	23330	10	25	25	20.86
QPSK	793	23330	10	50	0	21.30

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	793	23330	10	1	0	21.67
16QAM	793	23330	10	1	25	21.81
16QAM	793	23330	10	1	49	21.30
16QAM	793	23330	10	25	0	20.78
16QAM	793	23330	10	25	12	20.37
16QAM	793	23330	10	25	25	19.96
16QAM	793	23330	10	50	0	20.41
16QAM	793	23330	10	1	0	22.20
16QAM	793	23330	10	1	25	21.51
16QAM	793	23330	10	1	49	21.25
16QAM	793	23330	10	25	0	20.73
16QAM	793	23330	10	25	12	20.45
16QAM	793	23330	10	25	25	19.88
16QAM	793	23330	10	50	0	20.38
16QAM	793	23330	10	1	0	22.03
16QAM	793	23330	10	1	25	21.26
16QAM	793	23330	10	1	49	21.10
16QAM	793	23330	10	25	0	20.73
16QAM	793	23330	10	25	12	20.29
16QAM	793	23330	10	25	25	19.88
16QAM	793	23330	10	50	0	20.32
64QAM	793	23330	10	1	0	21.96
64QAM	793	23330	10	1	25	21.18
64QAM	793	23330	10	1	49	20.91
64QAM	793	23330	10	25	0	20.74
64QAM	793	23330	10	25	12	20.40
64QAM	793	23330	10	25	25	19.92
64QAM	793	23330	10	50	0	20.39
64QAM	793	23330	10	1	0	21.98
64QAM	793	23330	10	1	25	21.19
64QAM	793	23330	10	1	49	20.90
64QAM	793	23330	10	25	0	20.76
64QAM	793	23330	10	25	12	20.32
64QAM	793	23330	10	25	25	19.93
64QAM	793	23330	10	50	0	20.35
64QAM	793	23330	10	1	0	21.72
64QAM	793	23330	10	1	25	21.57
64QAM	793	23330	10	1	49	20.75
64QAM	793	23330	10	25	0	20.76
64QAM	793	23330	10	25	12	20.34
64QAM	793	23330	10	25	25	19.91
64QAM	793	23330	10	50	0	20.35

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
14	QPSK	790.5	23305	5	25	0	4.482	Fig.1
14	QPSK	793	23330	5	25	0	4.477	Fig.2
14	QPSK	795.5	23355	5	25	0	4.454	Fig.3
14	QPSK	793	23330	10	50	0	8.932	Fig.4
14	QPSK	793	23330	10	50	0	8.935	Fig.5
14	QPSK	793	23330	10	50	0	8.902	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
14	16QAM	790.5	23305	5	25	0	4.449	Fig.7
14	16QAM	793	23330	5	25	0	4.475	Fig.8
14	16QAM	795.5	23355	5	25	0	4.484	Fig.9
14	16QAM	793	23330	10	50	0	8.940	Fig.10
14	16QAM	793	23330	10	50	0	8.910	Fig.11
14	16QAM	793	23330	10	50	0	8.911	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
14	64QAM	790.5	23305	5	25	0	4.461	Fig.13
14	64QAM	793	23330	5	25	0	4.473	Fig.14
14	64QAM	795.5	23355	5	25	0	4.468	Fig.15
14	64QAM	793	23330	10	50	0	8.915	Fig.16
14	64QAM	793	23330	10	50	0	8.880	Fig.17
14	64QAM	793	23330	10	50	0	8.912	Fig.18

Test Mode: QPSK

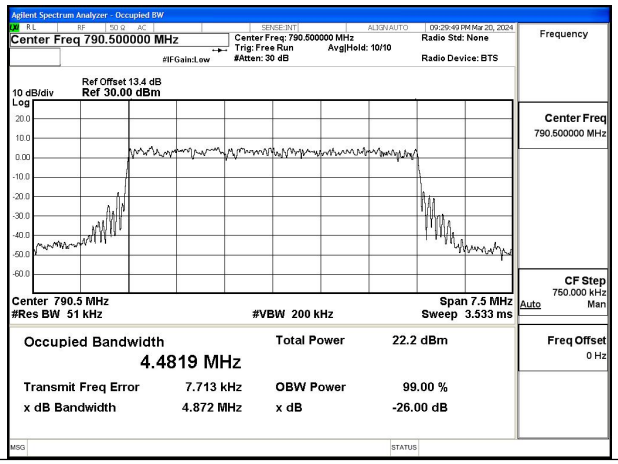

Fig.1

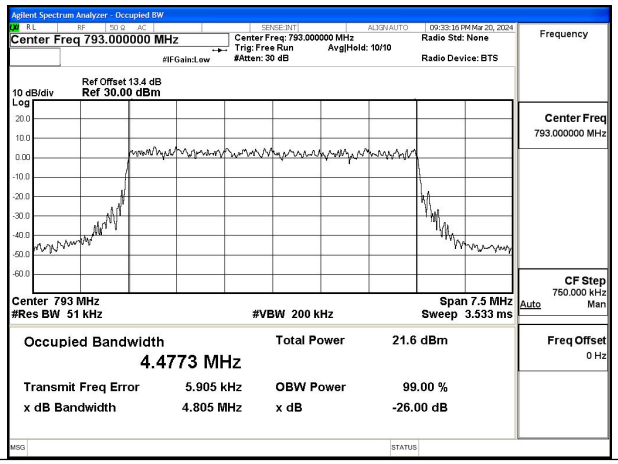

Fig.2

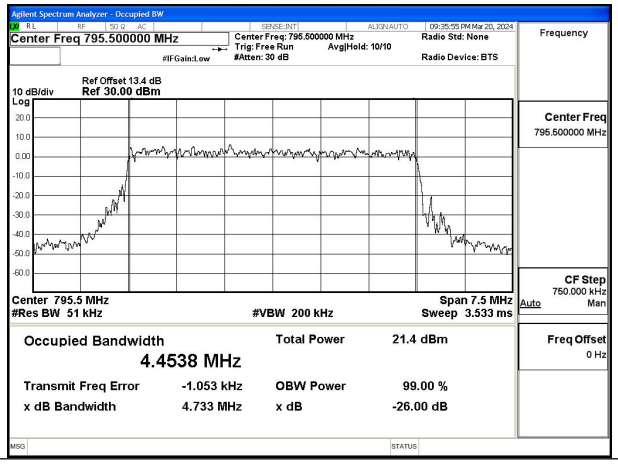

Fig.3

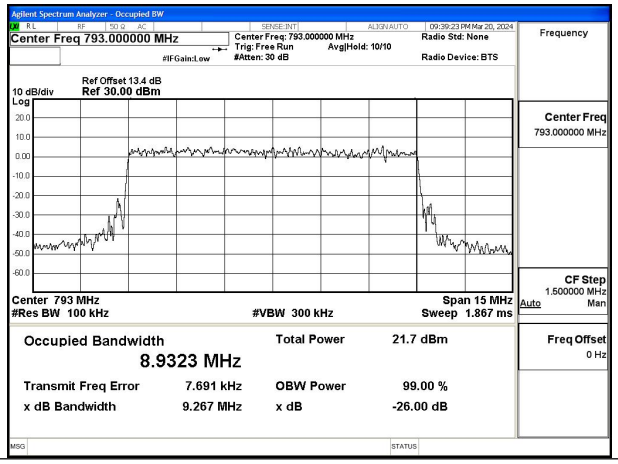

Fig.4

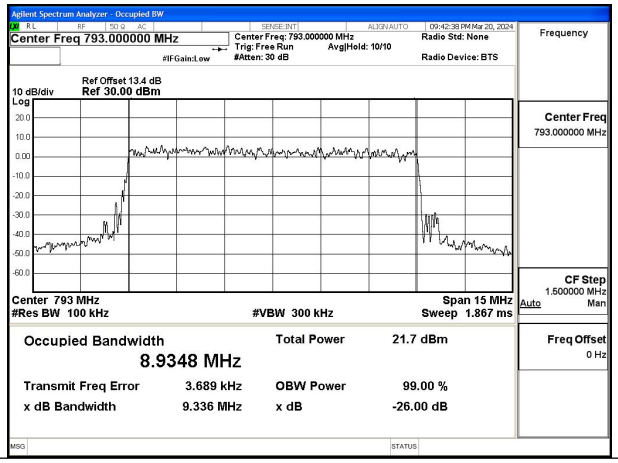

Fig.5

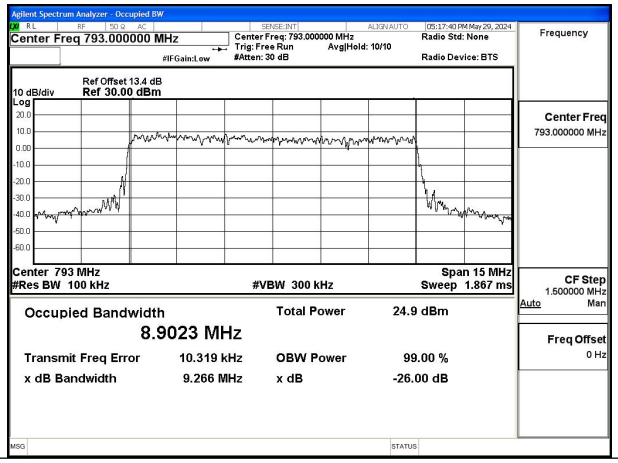

Fig.6

Test Mode: 16QAM

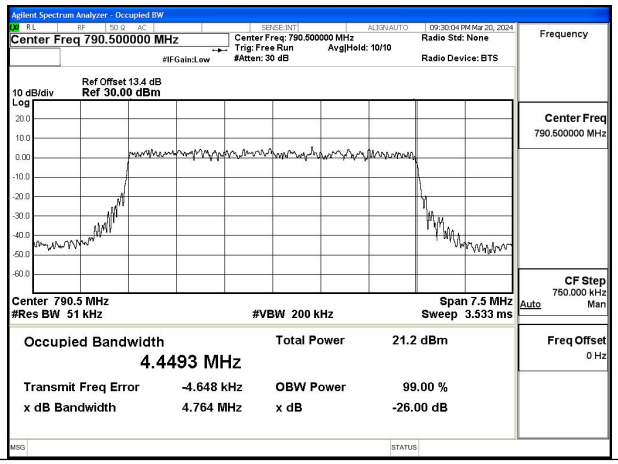

Fig.7

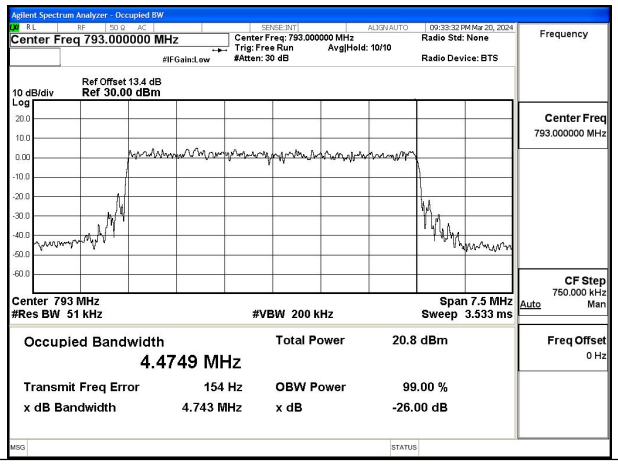

Fig.8

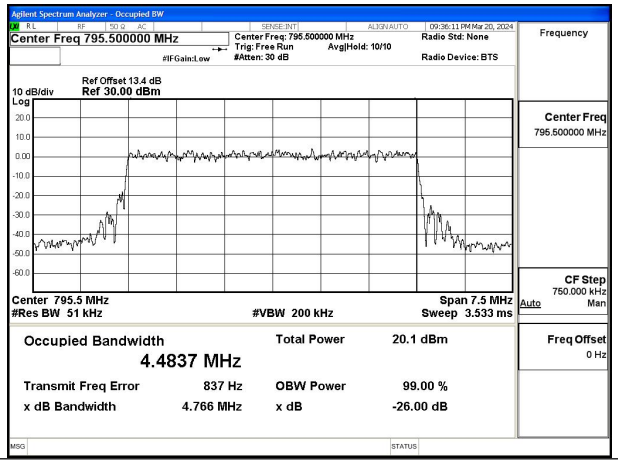

Fig.9

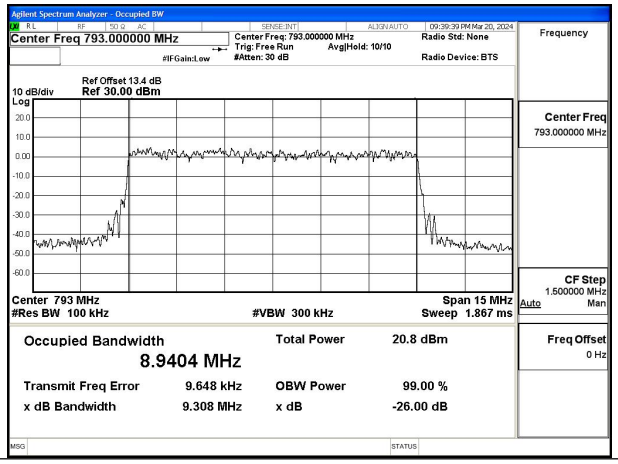

Fig.10

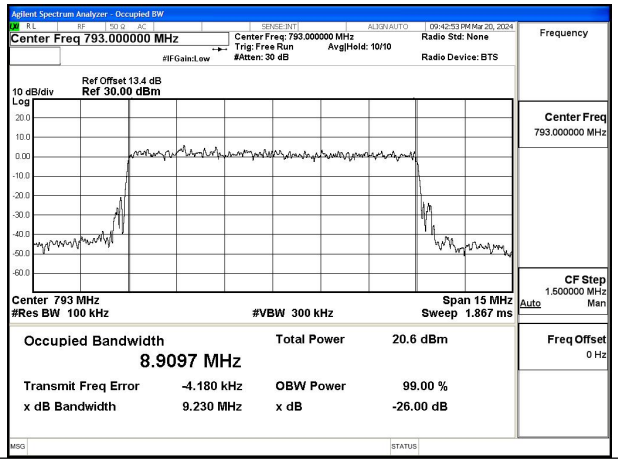

Fig.11

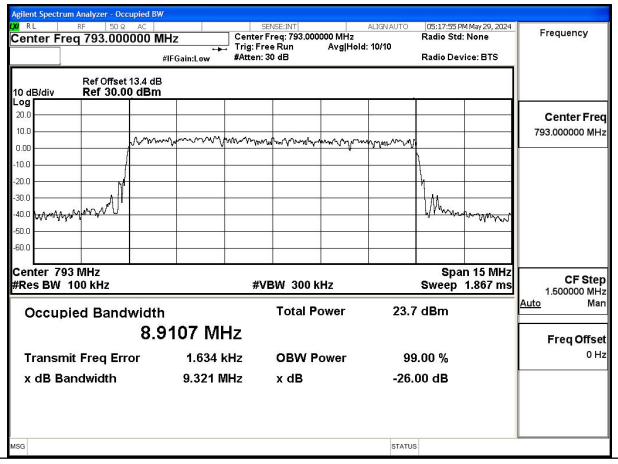

Fig.12

Test Mode: 64QAM

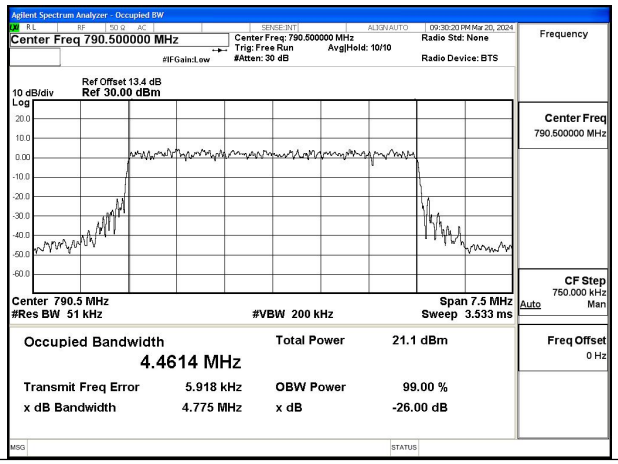

Fig.13

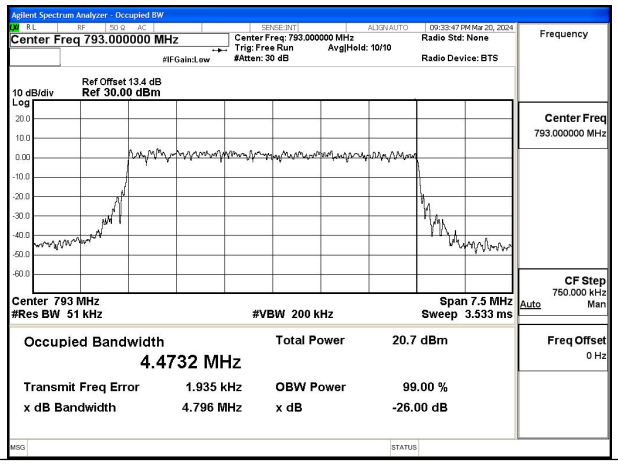

Fig.14

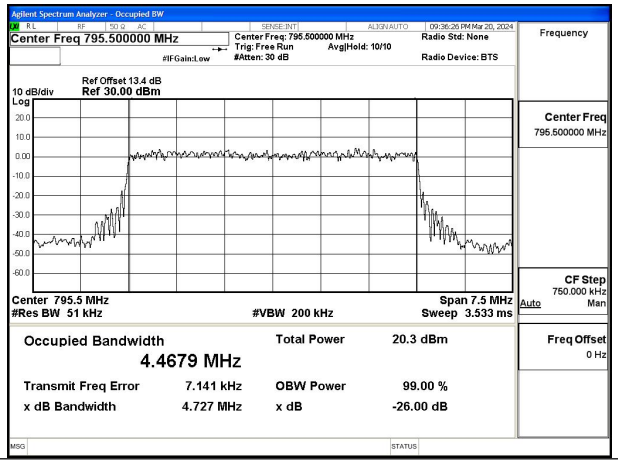

Fig.15

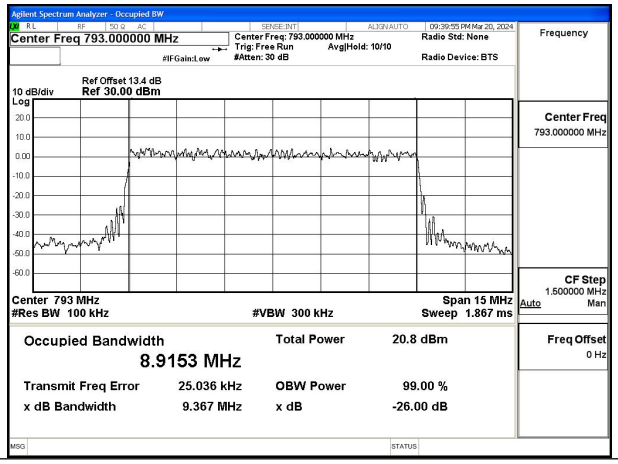

Fig.16

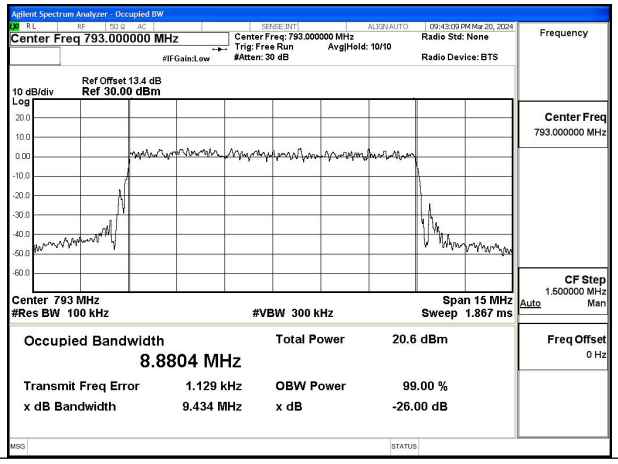

Fig.17

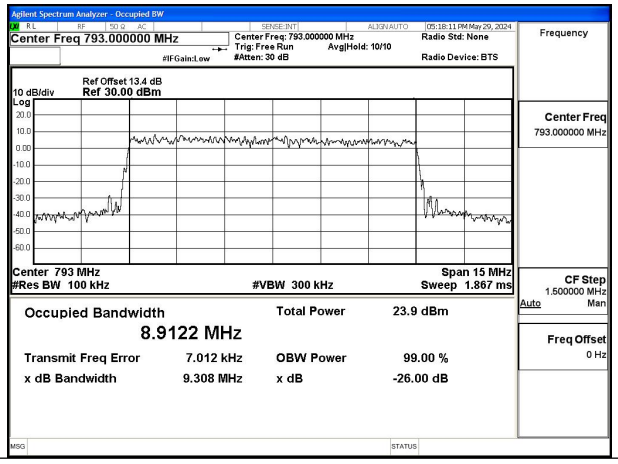

Fig.18

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
14	QPSK	790.5	23305	5	25	0	4.872	Fig.1
14	QPSK	793	23330	5	25	0	4.805	Fig.2
14	QPSK	795.5	23355	5	25	0	4.733	Fig.3
14	QPSK	793	23330	10	50	0	9.267	Fig.4
14	QPSK	793	23330	10	50	0	9.336	Fig.5
14	QPSK	793	23330	10	50	0	9.266	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
14	16QAM	790.5	23305	5	25	0	4.764	Fig.7
14	16QAM	793	23330	5	25	0	4.743	Fig.8
14	16QAM	795.5	23355	5	25	0	4.766	Fig.9
14	16QAM	793	23330	10	50	0	9.308	Fig.10
14	16QAM	793	23330	10	50	0	9.230	Fig.11
14	16QAM	793	23330	10	50	0	9.321	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
14	64QAM	790.5	23305	5	25	0	4.775	Fig.13
14	64QAM	793	23330	5	25	0	4.796	Fig.14
14	64QAM	795.5	23355	5	25	0	4.727	Fig.15
14	64QAM	793	23330	10	50	0	9.367	Fig.16
14	64QAM	793	23330	10	50	0	9.434	Fig.17
14	64QAM	793	23330	10	50	0	9.308	Fig.18

Test Mode: QPSK

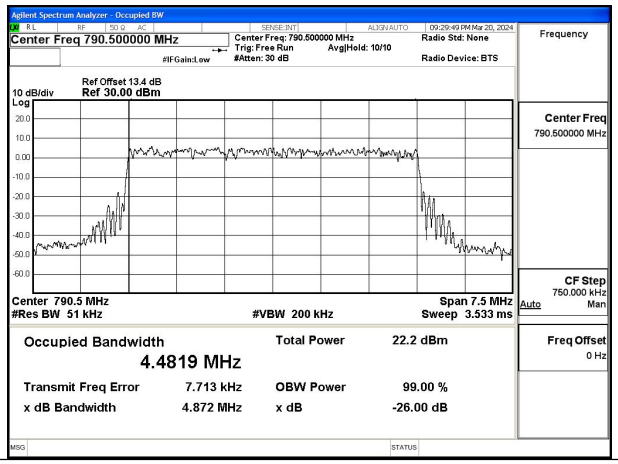

Fig.1

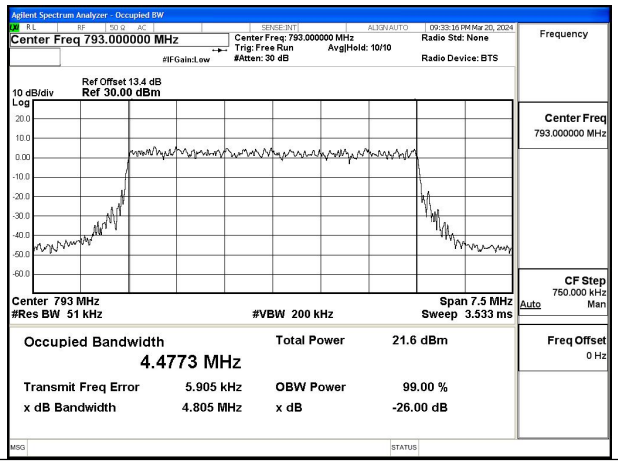

Fig.2

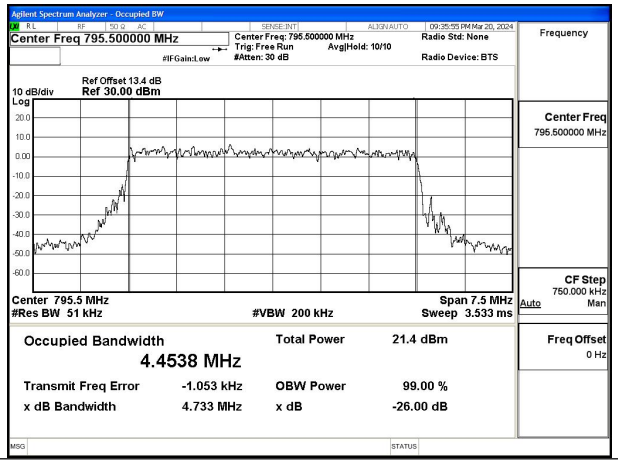

Fig.3

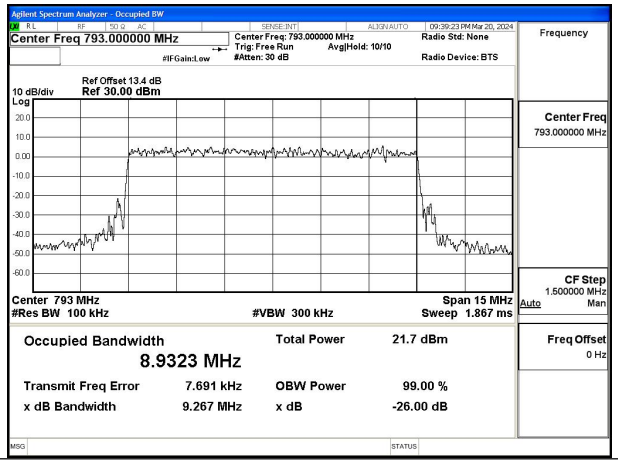

Fig.4

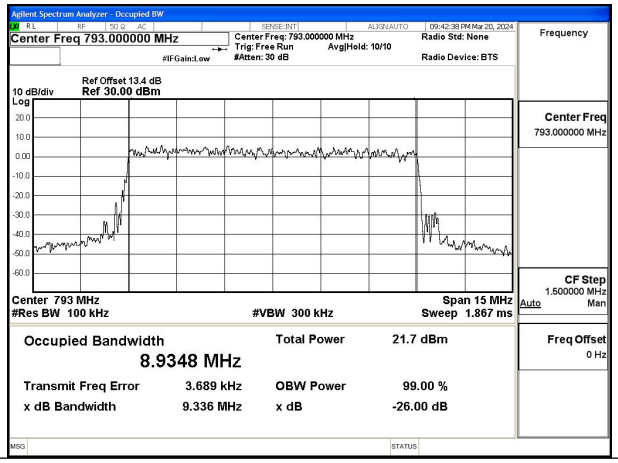

Fig.5

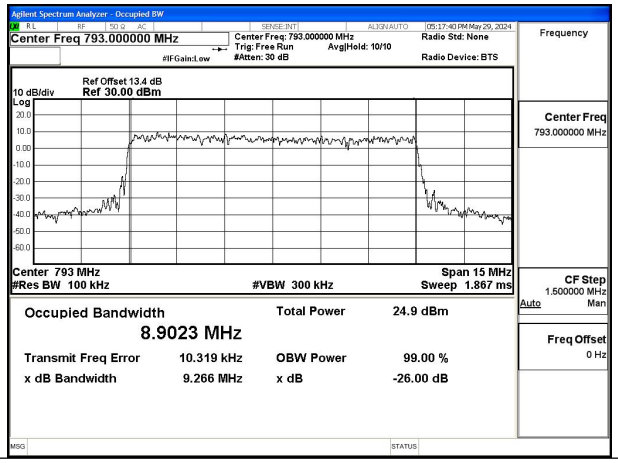

Fig.6

Test Mode: 16QAM

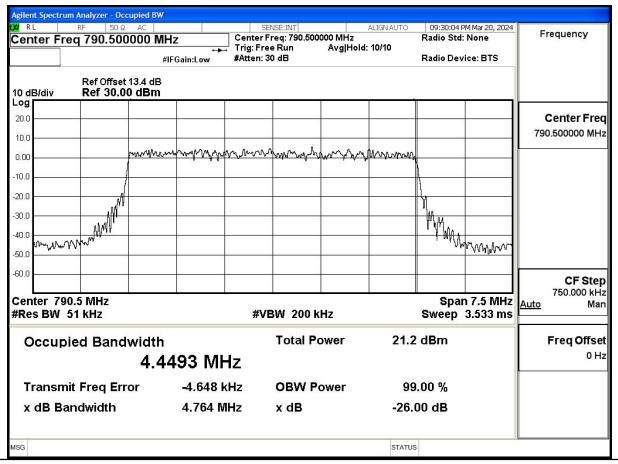

Fig.7

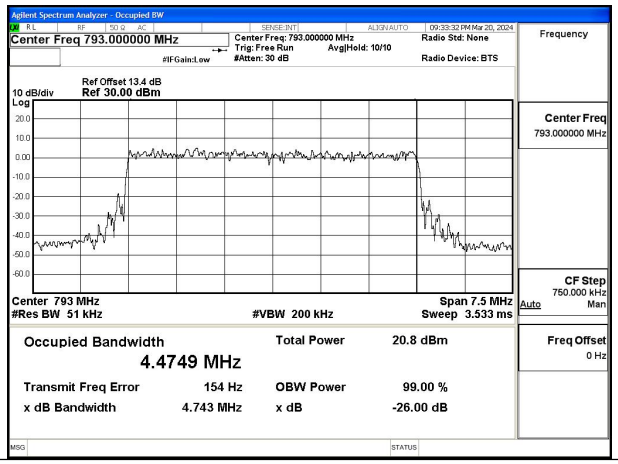

Fig.8

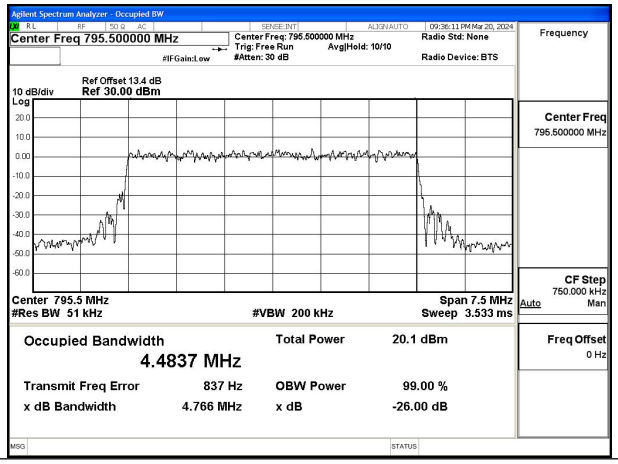

Fig.9

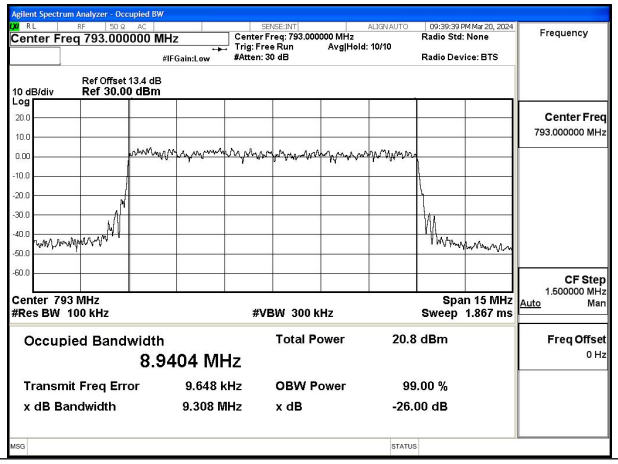

Fig.10

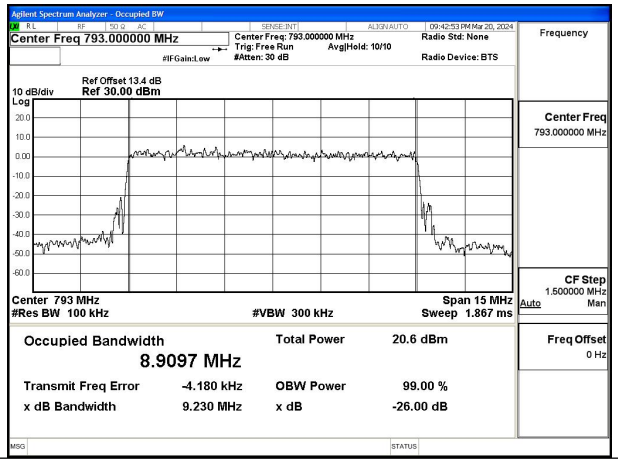

Fig.11

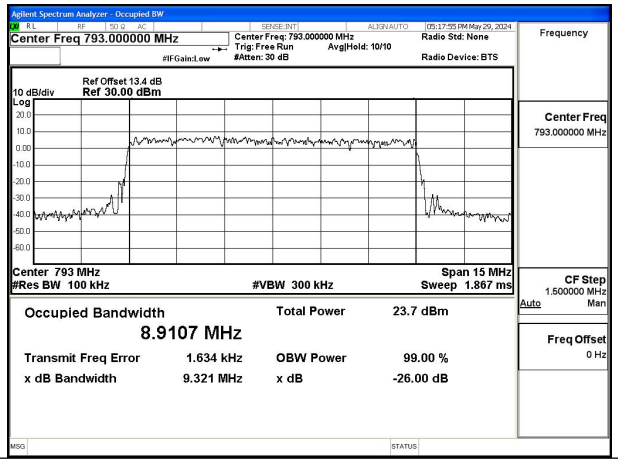

Fig.12

Test Mode: 64QAM

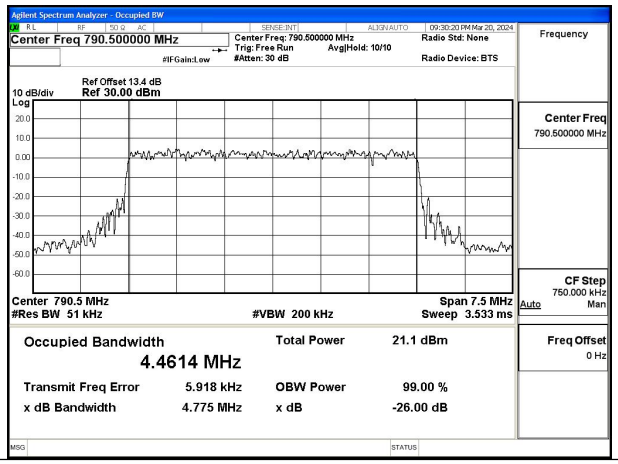

Fig.13

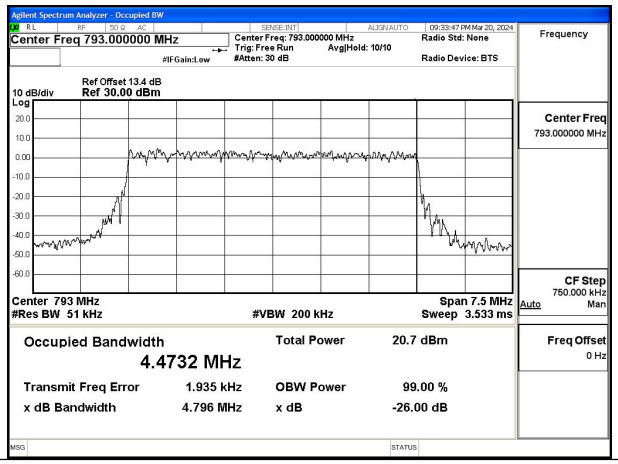

Fig.14

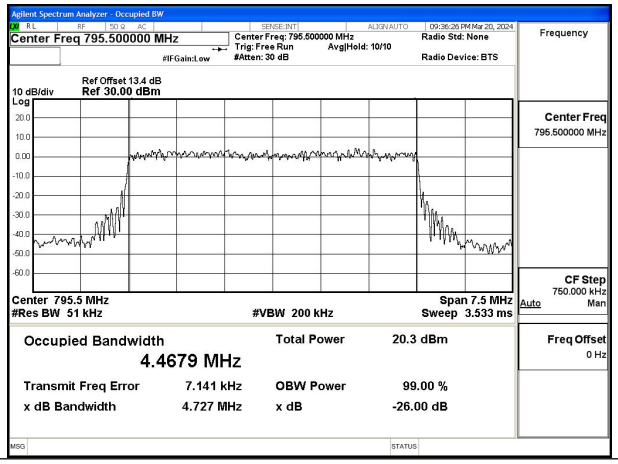

Fig.15

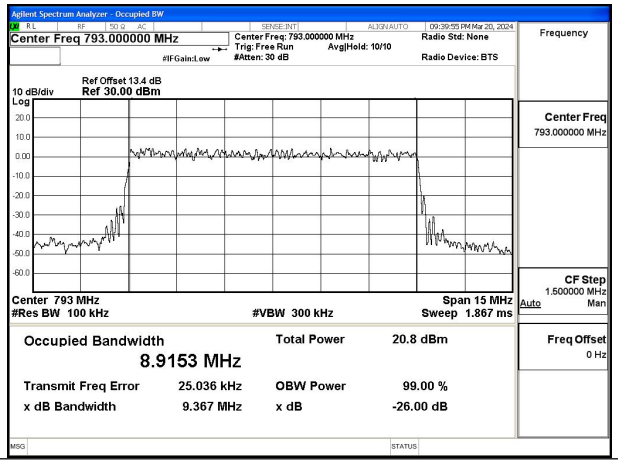

Fig.16

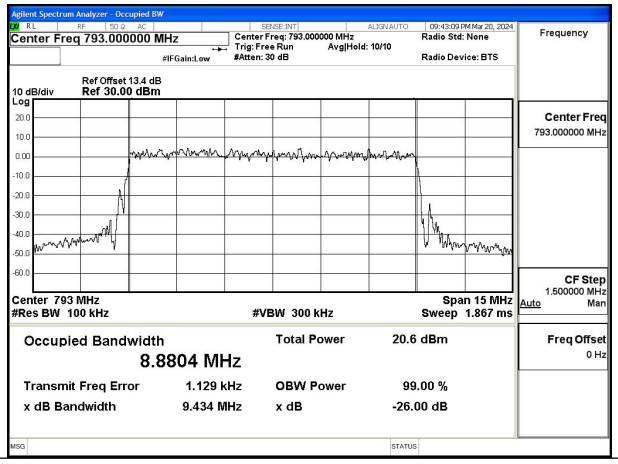

Fig.17

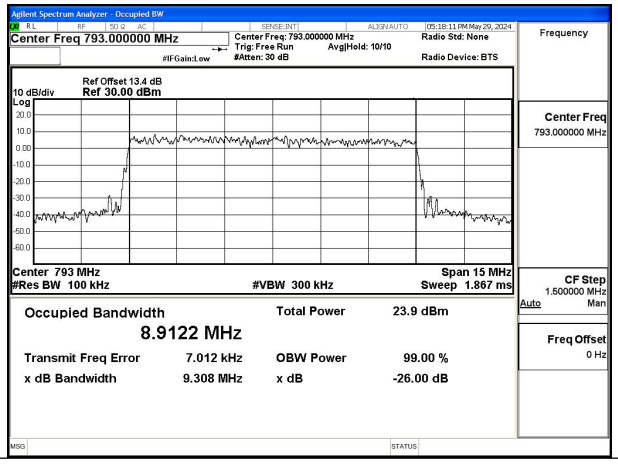

Fig.18

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
14	790.5	23305	5	1	24	Fig.1	Fig.2	Fig.3
14	790.5	23305	5	25	0	Fig.4	Fig.5	Fig.6
14	793	23330	5	1	24	Fig.7	Fig.8	Fig.9
14	793	23330	5	25	0	Fig.10	Fig.11	Fig.12
14	795.5	23355	5	1	24	Fig.13	Fig.14	Fig.15
14	795.5	23355	5	25	0	Fig.16	Fig.17	Fig.18
14	793	23330	10	1	49	Fig.19	Fig.20	Fig.21
14	793	23330	10	50	0	Fig.22	Fig.23	Fig.24
14	793	23330	10	1	49	Fig.25	Fig.26	Fig.27
14	793	23330	10	50	0	Fig.28	Fig.29	Fig.30
14	793	23330	10	1	49	Fig.31	Fig.32	Fig.33
14	793	23330	10	50	0	Fig.34	Fig.35	Fig.36

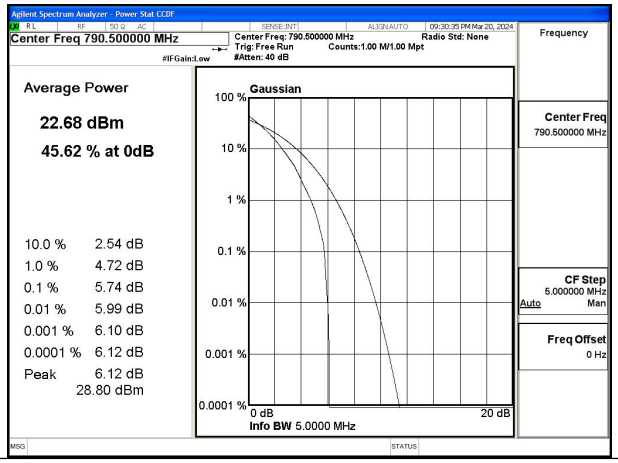

Fig.1

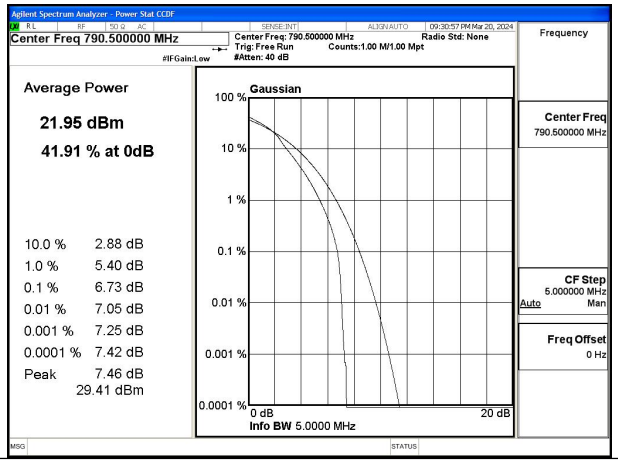

Fig.2

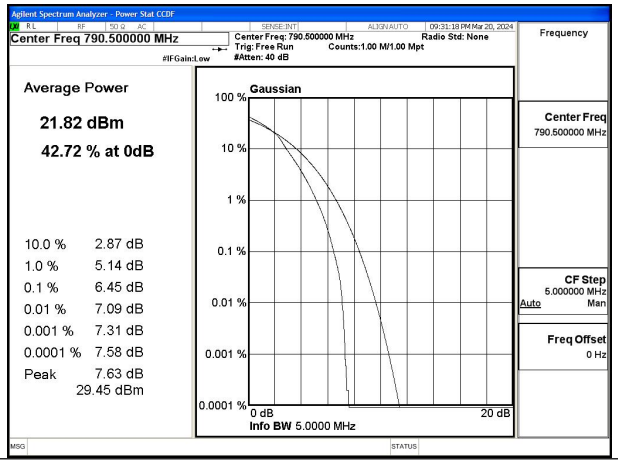

Fig.3

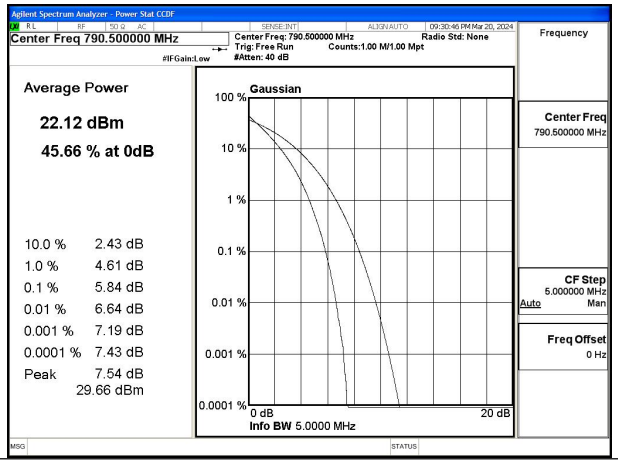

Fig.4