APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 17

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	706.5	23755	5	1	0	22.73
QPSK	706.5	23755	5	1	12	22.64
QPSK	706.5	23755	5	1	24	23.09
QPSK	706.5	23755	5	12	0	21.40
QPSK	706.5	23755	5	12	7	21.66
QPSK	706.5	23755	5	12	13	21.93
QPSK	706.5	23755	5	25	0	21.66
QPSK	710	23790	5	1	0	22.74
QPSK	710	23790	5	1	12	22.72
QPSK	710	23790	5	1	24	22.02
QPSK	710	23790	5	12	0	21.73
QPSK	710	23790	5	12	7	21.75
QPSK	710	23790	5	12	13	21.47
QPSK	710	23790	5	25	0	21.62
QPSK	713.5	23825	5	1	0	23.67
QPSK	713.5	23825	5	1	12	22.54
QPSK	713.5	23825	5	1	24	22.01
QPSK	713.5	23825	5	12	0	21.91
QPSK	713.5	23825	5	12	7	21.39
QPSK	713.5	23825	5	12	13	21.06
QPSK	713.5	23825	5	25	0	21.49

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	706.5	23755	5	1	0	21.63
16QAM	706.5	23755	5	1	12	22.12
16QAM	706.5	23755	5	1	24	22.10
16QAM	706.5	23755	5	12	0	20.42
16QAM	706.5	23755	5	12	7	20.62
16QAM	706.5	23755	5	12	13	21.00
16QAM	706.5	23755	5	25	0	20.70
16QAM	710	23790	5	1	0	22.15
16QAM	710	23790	5	1	12	21.73
16QAM	710	23790	5	1	24	21.19
16QAM	710	23790	5	12	0	20.86
16QAM	710	23790	5	12	7	20.77
16QAM	710	23790	5	12	13	20.46
16QAM	710	23790	5	25	0	20.66
16QAM	713.5	23825	5	1	0	22.46
16QAM	713.5	23825	5	1	12	21.83
16QAM	713.5	23825	5	1	24	20.99
16QAM	713.5	23825	5	12	0	20.89
16QAM	713.5	23825	5	12	7	20.49
16QAM	713.5	23825	5	12	13	20.16
16QAM	713.5	23825	5	25	0	20.47
64QAM	706.5	23755	5	1	0	21.27
64QAM	706.5	23755	5	1	12	21.47
64QAM	706.5	23755	5	1	24	21.87
64QAM	706.5	23755	5	12	0	20.39
64QAM	706.5	23755	5	12	7	20.67
64QAM	706.5	23755	5	12	13	20.93
64QAM	706.5	23755	5	25	0	20.64
64QAM	710	23790	5	1	0	21.89
64QAM	710	23790	5	1	12	21.99
64QAM	710	23790	5	1	24	21.30
64QAM	710	23790	5	12	0	20.79
64QAM	710	23790	5	12	7	20.84
64QAM	710	23790	5	12	13	20.60
64QAM	710	23790	5	25	0	20.76
64QAM	713.5	23825	5	1	0	22.53
64QAM	713.5	23825	5	1	12	21.42
64QAM	713.5	23825	5	1	24	20.84
64QAM	713.5	23825	5	12	0	21.05
64QAM	713.5	23825	5	12	7	20.35
64QAM	713.5	23825	5	12	13	20.11
64QAM	713.5	23825	5	25	0	20.42

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	709	23780	10	1	0	21.91
QPSK	709	23780	10	1	25	22.64
QPSK	709	23780	10	1	49	21.42
QPSK	709	23780	10	25	0	21.35
QPSK	709	23780	10	25	12	21.66
QPSK	709	23780	10	25	25	21.32
QPSK	709	23780	10	50	0	21.36
QPSK	710	23790	10	1	0	22.71
QPSK	710	23790	10	1	25	23.28
QPSK	710	23790	10	1	49	21.67
QPSK	710	23790	10	25	0	22.00
QPSK	710	23790	10	25	12	22.10
QPSK	710	23790	10	25	25	21.47
QPSK	710	23790	10	50	0	21.73
QPSK	711	23800	10	1	0	23.06
QPSK	711	23800	10	1	25	23.34
QPSK	711	23800	10	1	49	21.88
QPSK	711	23800	10	25	0	22.50
QPSK	711	23800	10	25	12	22.30
QPSK	711	23800	10	25	25	21.48
QPSK	711	23800	10	50	0	22.03

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	709	23780	10	1	0	20.74
16QAM	709	23780	10	1	25	22.02
16QAM	709	23780	10	1	49	20.86
16QAM	709	23780	10	25	0	20.40
16QAM	709	23780	10	25	12	20.76
16QAM	709	23780	10	25	25	20.38
16QAM	709	23780	10	50	0	20.39
16QAM	710	23790	10	1	0	21.32
16QAM	710	23790	10	1	25	22.34
16QAM	710	23790	10	1	49	21.20
16QAM	710	23790	10	25	0	20.99
16QAM	710	23790	10	25	12	21.13
16QAM	710	23790	10	25	25	20.51
16QAM	710	23790	10	50	0	20.73
16QAM	711	23800	10	1	0	22.60
16QAM	711	23800	10	1	25	22.43
16QAM	711	23800	10	1	49	20.19
16QAM	711	23800	10	25	0	21.54
16QAM	711	23800	10	25	12	21.37
16QAM	711	23800	10	25	25	20.54
16QAM	711	23800	10	50	0	21.05
64QAM	709	23780	10	1	0	20.57
64QAM	709	23780	10	1	25	21.93
64QAM	709	23780	10	1	49	20.75
64QAM	709	23780	10	25	0	20.37
64QAM	709	23780	10	25	12	20.68
64QAM	709	23780	10	25	25	20.35
64QAM	709	23780	10	50	0	20.37
64QAM	710	23790	10	1	0	21.40
64QAM	710	23790	10	1	25	22.55
64QAM	710	23790	10	1	49	20.60
64QAM	710	23790	10	25	0	20.97
64QAM	710	23790	10	25	12	21.07
64QAM	710	23790	10	25	25	20.40
64QAM	710	23790	10	50	0	20.71
64QAM	711	23800	10	1	0	22.27
64QAM	711	23800	10	1	25	22.09
64QAM	711	23800	10	1	49	21.02
64QAM	711	23800	10	25	0	21.50
64QAM	711	23800	10	25	12	21.30
64QAM	711	23800	10	25	25	20.56
64QAM	711	23800	10	50	0	21.03

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	QPSK	706.5	23755	5	25	0	4.457	Fig.1
17	QPSK	710	23790	5	25	0	4.459	Fig.2
17	QPSK	713.5	23825	5	25	0	4.467	Fig.3
17	QPSK	709	23780	10	50	0	8.922	Fig.4
17	QPSK	710	23790	10	50	0	8.907	Fig.5
17	QPSK	711	23800	10	50	0	8.875	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	16QAM	706.5	23755	5	25	0	4.457	Fig.7
17	16QAM	710	23790	5	25	0	4.462	Fig.8
17	16QAM	713.5	23825	5	25	0	4.480	Fig.9
17	16QAM	709	23780	10	50	0	8.907	Fig.10
17	16QAM	710	23790	10	50	0	8.892	Fig.11
17	16QAM	711	23800	10	50	0	8.877	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
17	64QAM	706.5	23755	5	25	0	4.465	Fig.13
17	64QAM	710	23790	5	25	0	4.463	Fig.14
17	64QAM	713.5	23825	5	25	0	4.475	Fig.15
17	64QAM	709	23780	10	50	0	8.902	Fig.16
17	64QAM	710	23790	10	50	0	8.889	Fig.17
17	64QAM	711	23800	10	50	0	8.893	Fig.18

Test Mode: QPSK

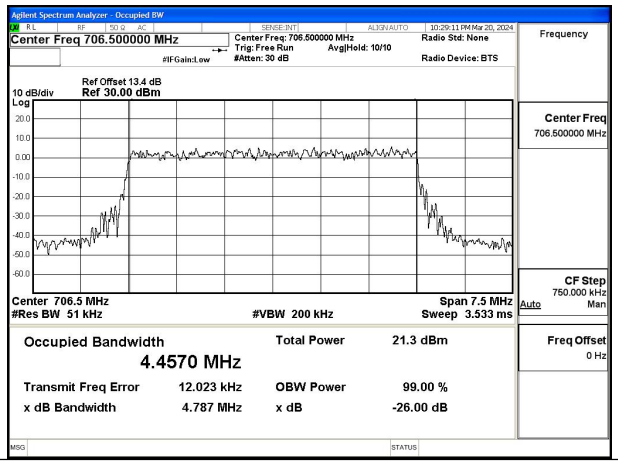

Fig.1

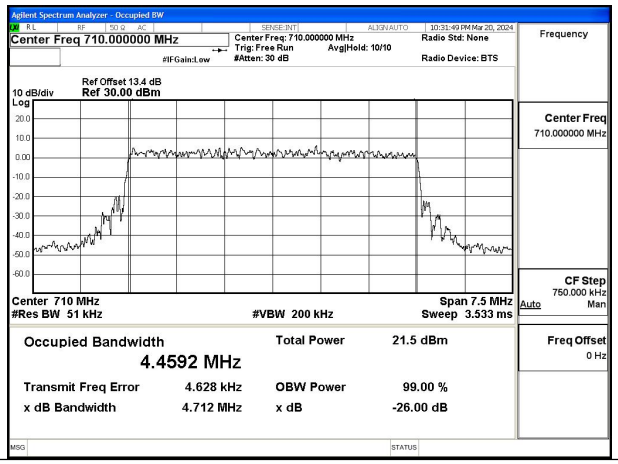

Fig.2

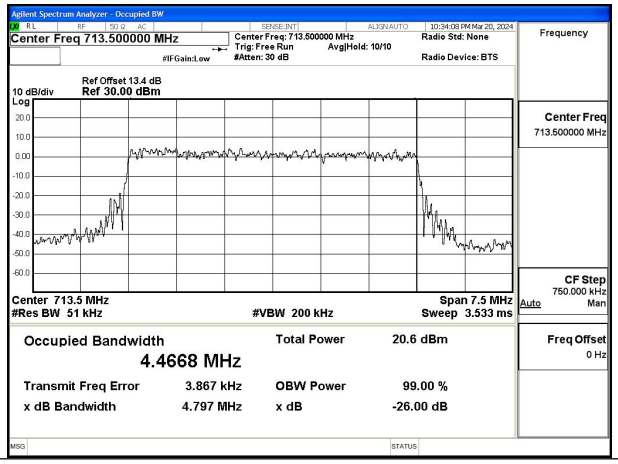

Fig.3

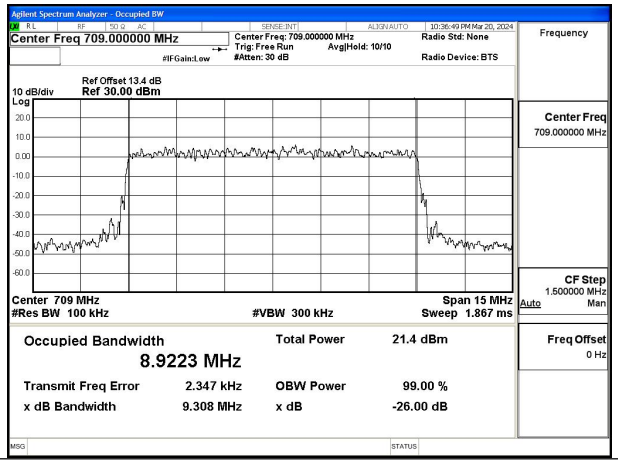

Fig.4

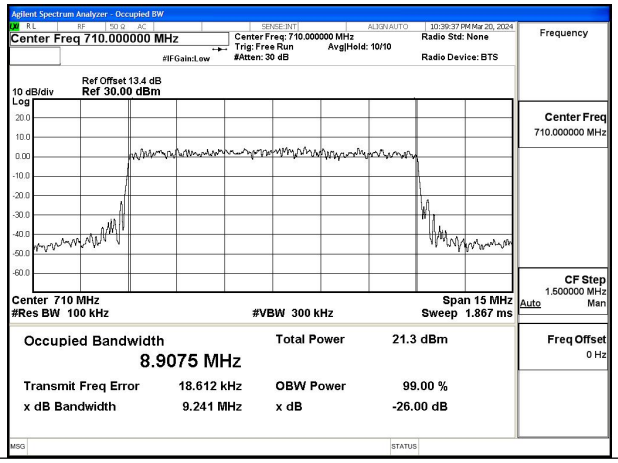

Fig.5

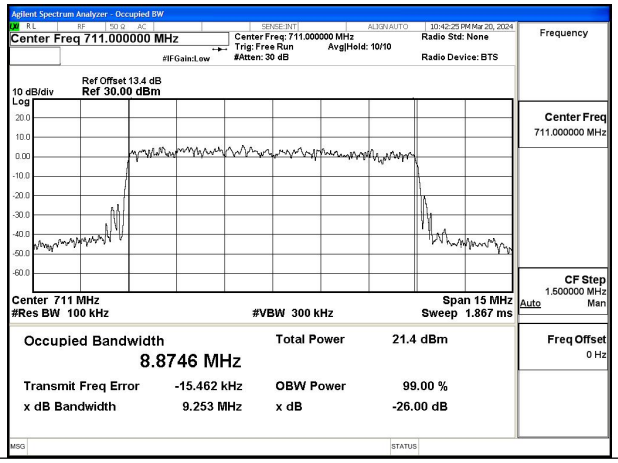

Fig.6

Test Mode: 16QAM

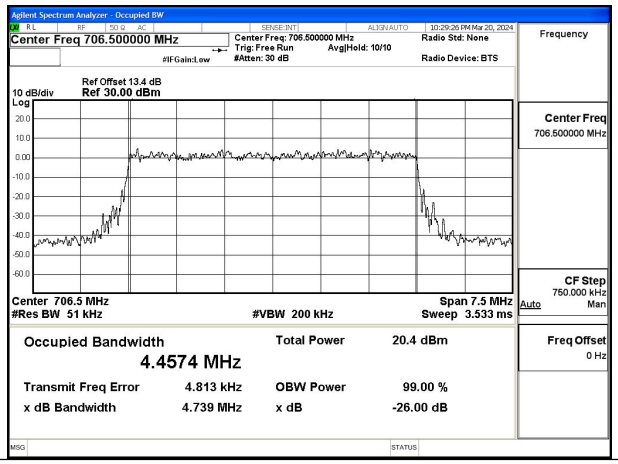

Fig.7

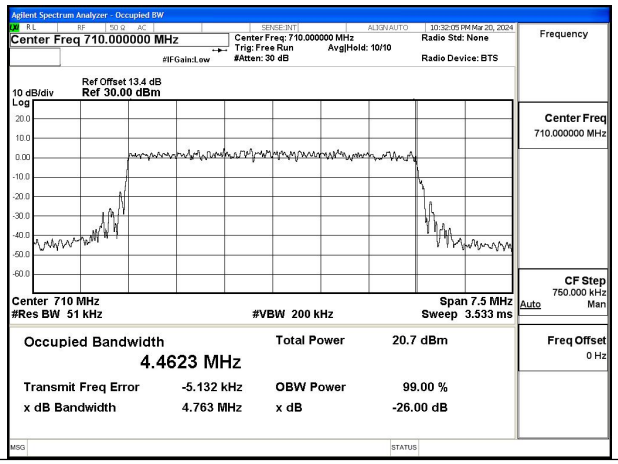

Fig.8

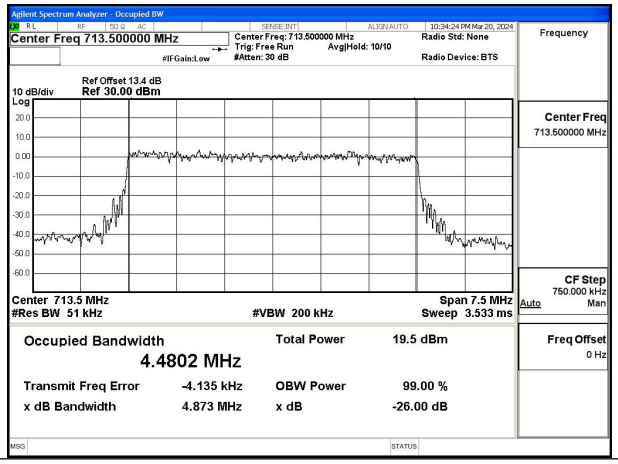

Fig.9

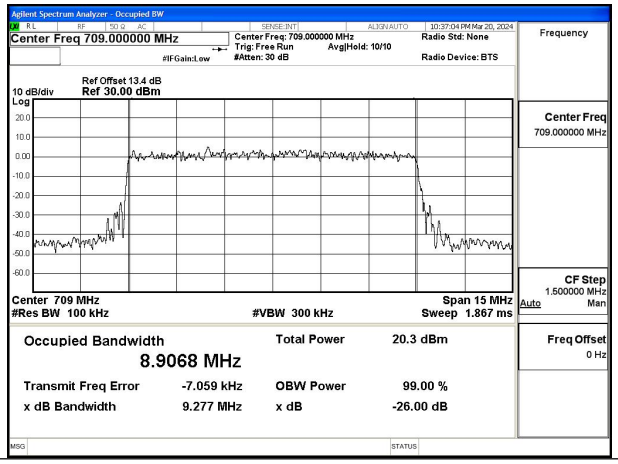

Fig.10

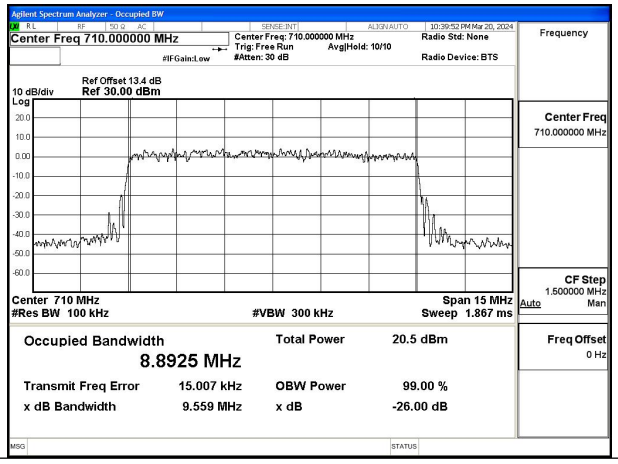

Fig.11

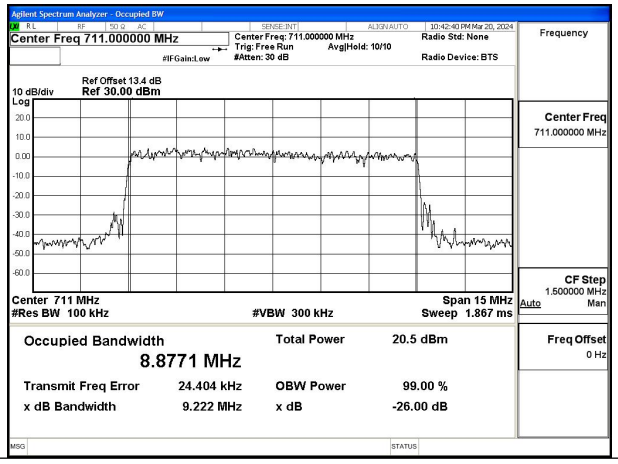

Fig.12

Test Mode: 64QAM

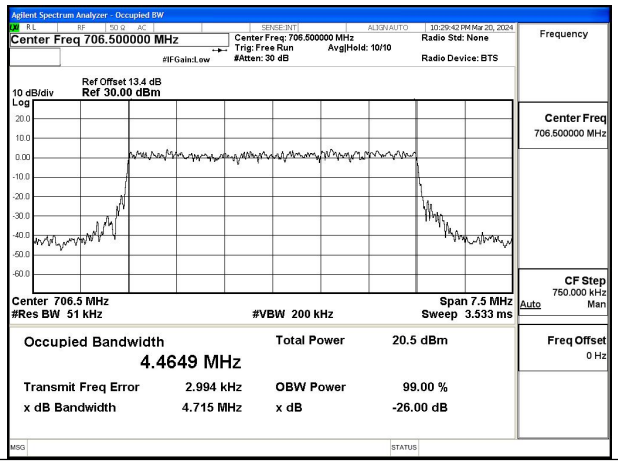

Fig.13

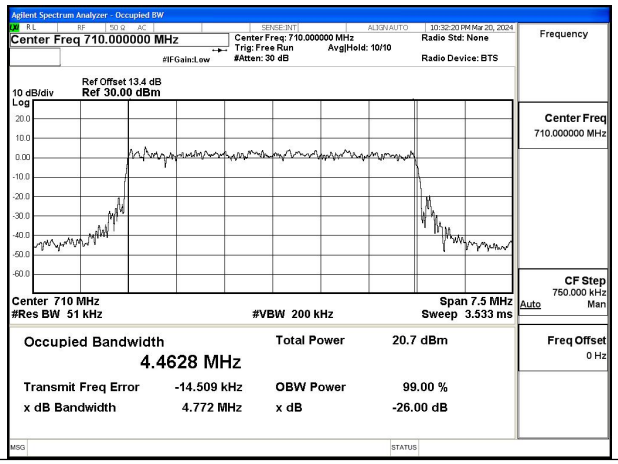

Fig.14

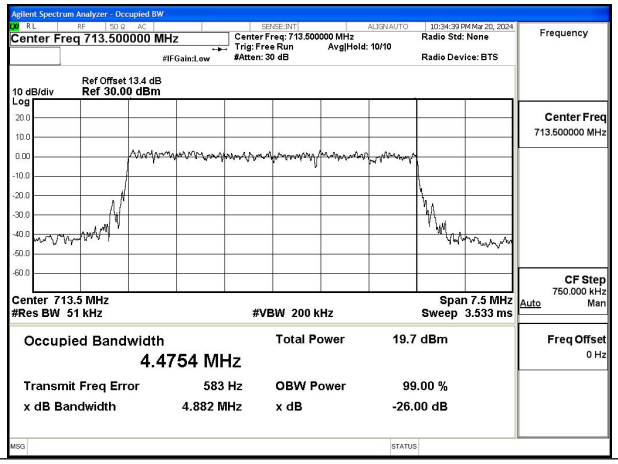

Fig.15

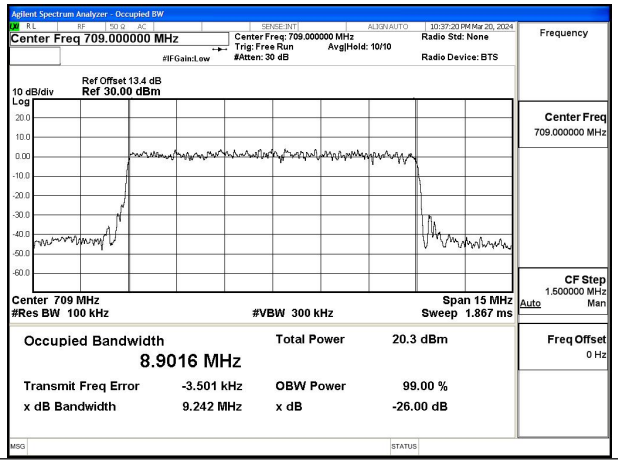

Fig.16

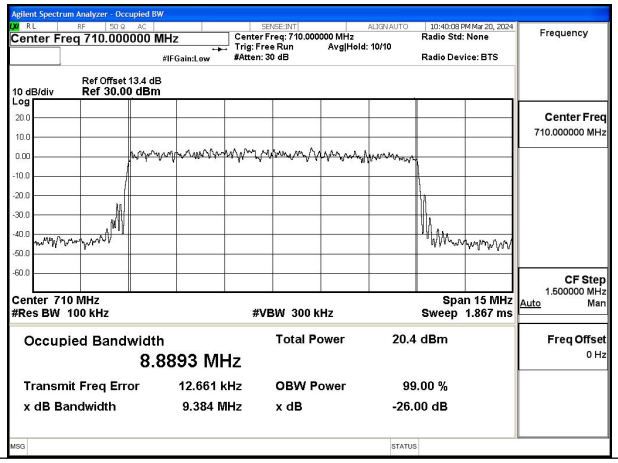

Fig.17

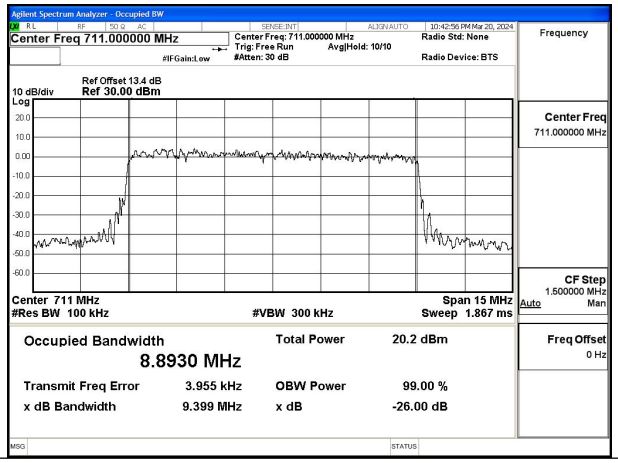

Fig.18

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	QPSK	706.5	23755	5	25	0	4.787	Fig.1
17	QPSK	710	23790	5	25	0	4.712	Fig.2
17	QPSK	713.5	23825	5	25	0	4.797	Fig.3
17	QPSK	709	23780	10	50	0	9.308	Fig.4
17	QPSK	710	23790	10	50	0	9.241	Fig.5
17	QPSK	711	23800	10	50	0	9.253	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	16QAM	706.5	23755	5	25	0	4.739	Fig.7
17	16QAM	710	23790	5	25	0	4.763	Fig.8
17	16QAM	713.5	23825	5	25	0	4.873	Fig.9
17	16QAM	709	23780	10	50	0	9.277	Fig.10
17	16QAM	710	23790	10	50	0	9.559	Fig.11
17	16QAM	711	23800	10	50	0	9.222	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
17	64QAM	706.5	23755	5	25	0	4.715	Fig.13
17	64QAM	710	23790	5	25	0	4.772	Fig.14
17	64QAM	713.5	23825	5	25	0	4.882	Fig.15
17	64QAM	709	23780	10	50	0	9.242	Fig.16
17	64QAM	710	23790	10	50	0	9.384	Fig.17
17	64QAM	711	23800	10	50	0	9.399	Fig.18

Test Mode: QPSK

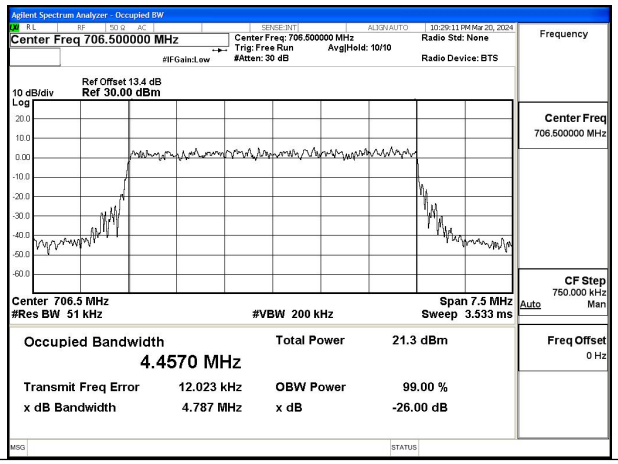

Fig.1

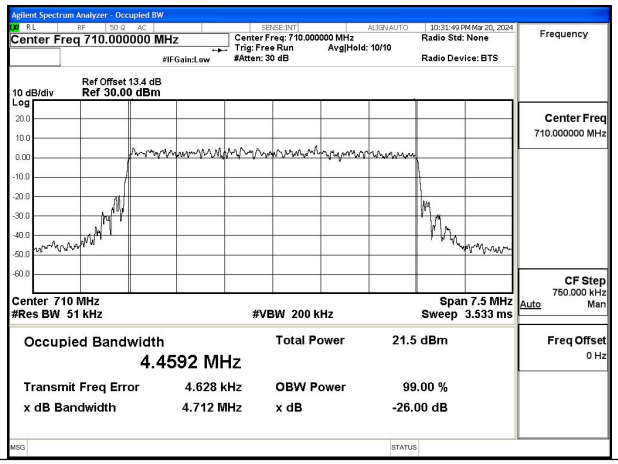

Fig.2

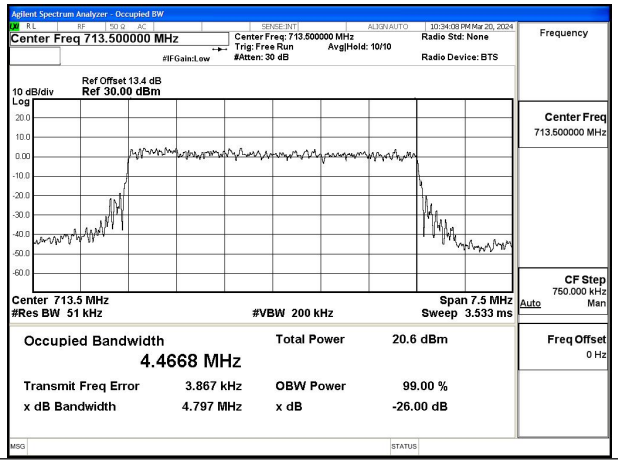

Fig.3

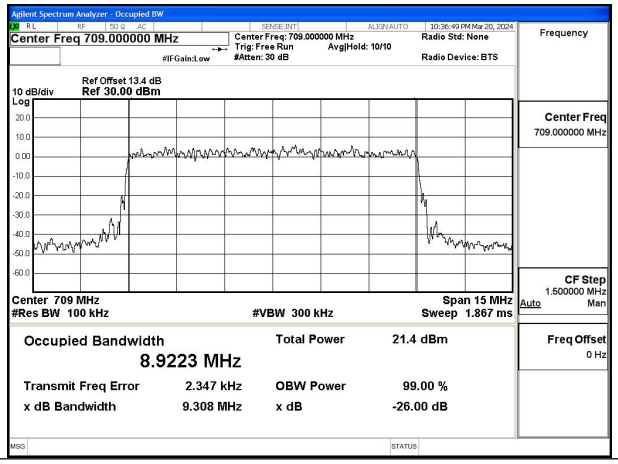

Fig.4

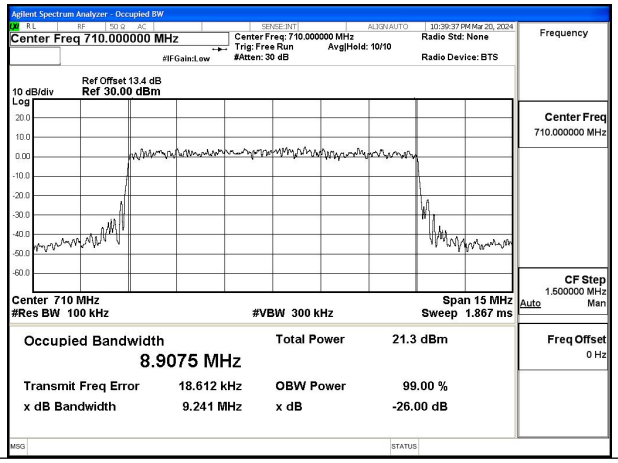

Fig.5

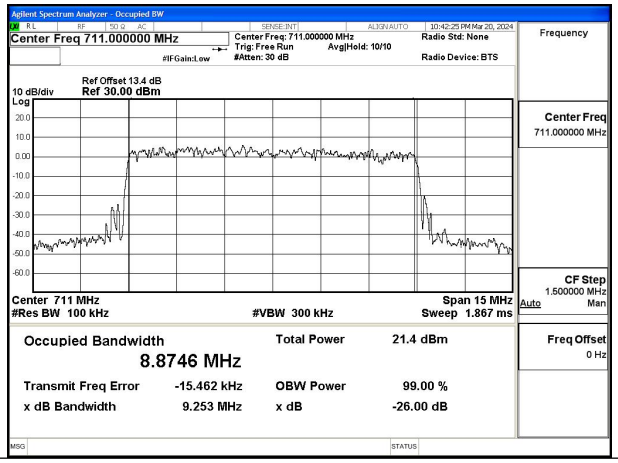

Fig.6

Test Mode: 16QAM

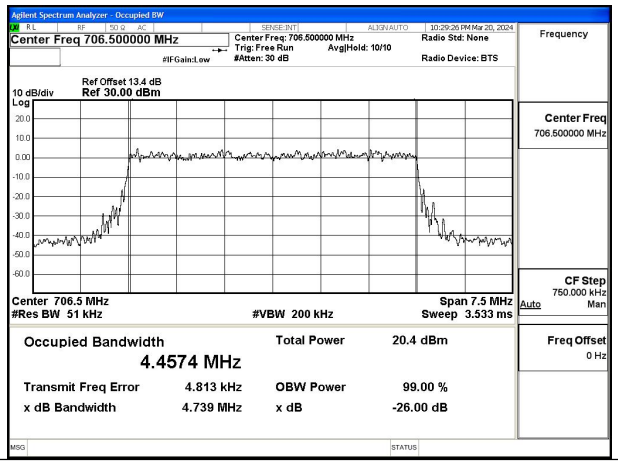

Fig.7

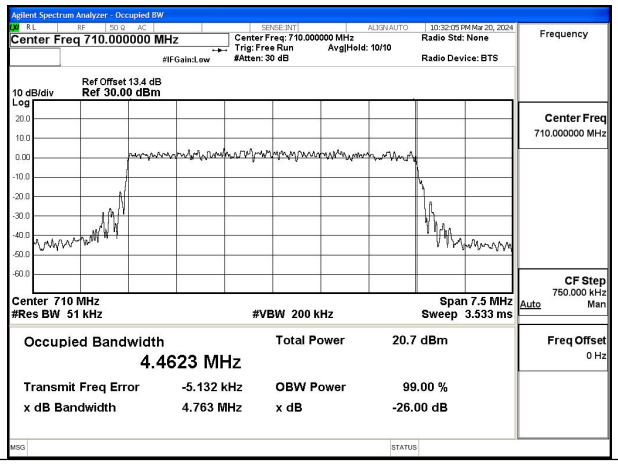

Fig.8

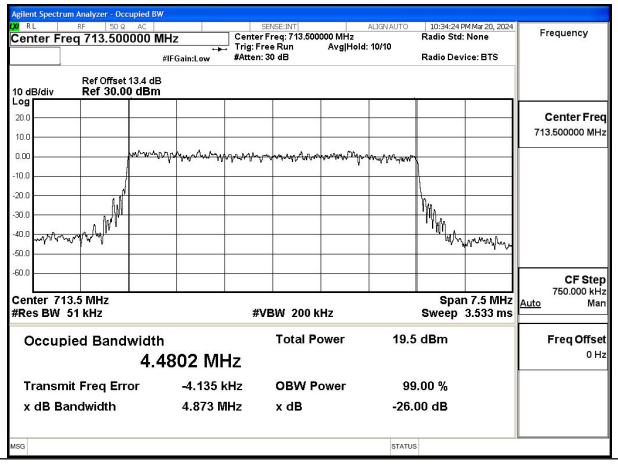

Fig.9

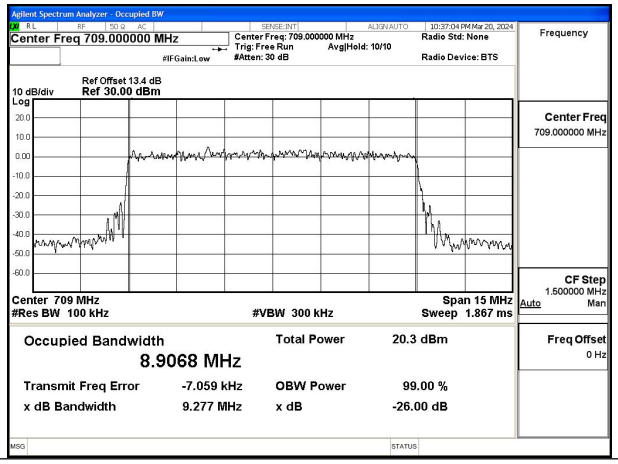

Fig.10

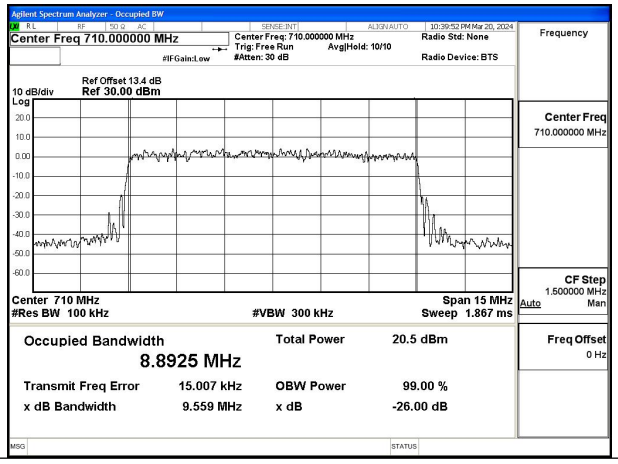

Fig.11

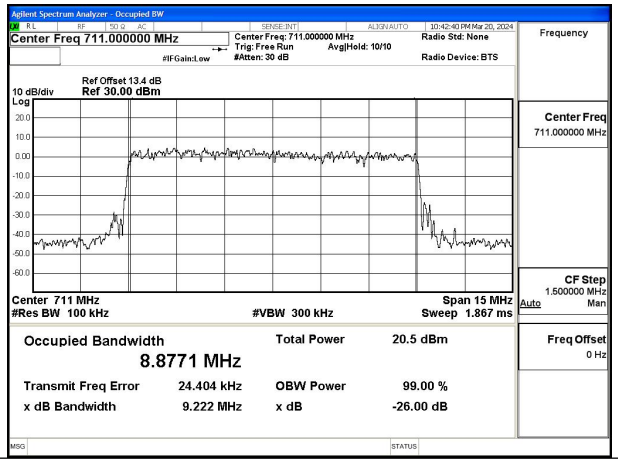

Fig.12

Test Mode: 64QAM

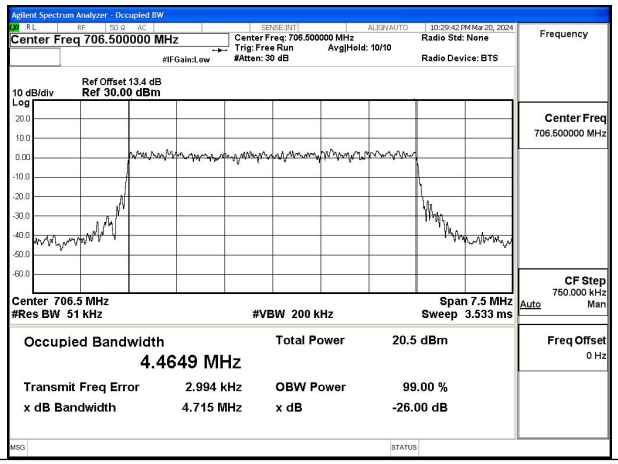

Fig.13

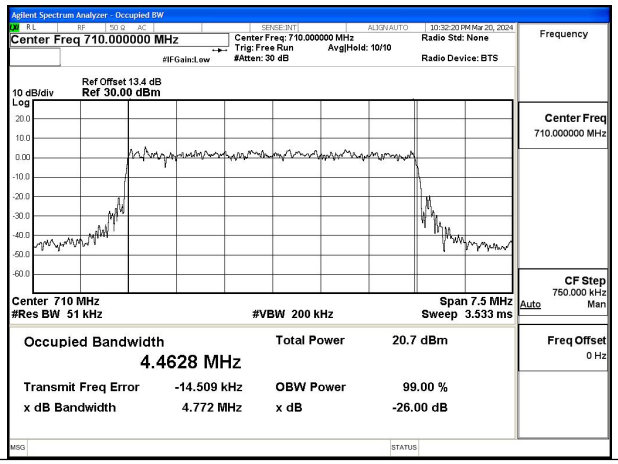

Fig.14

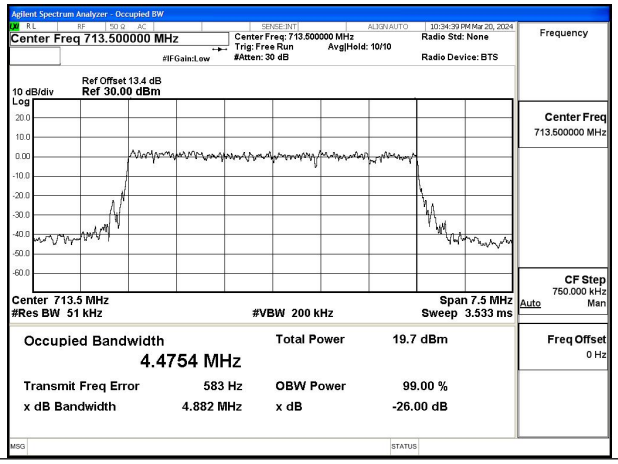

Fig.15

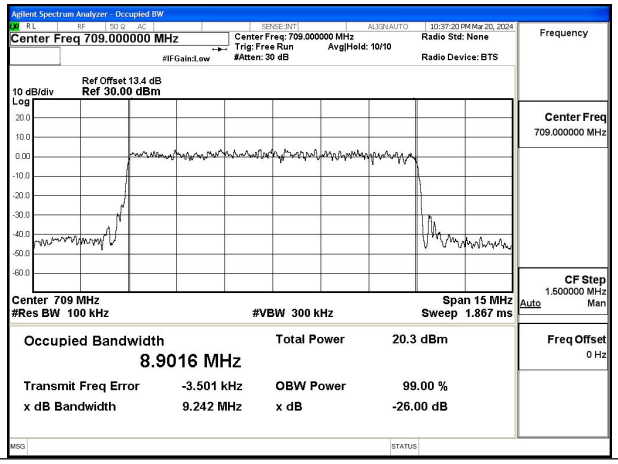

Fig.16

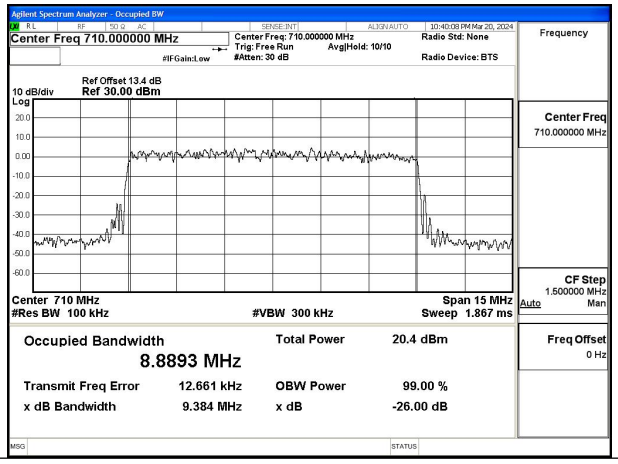

Fig.17

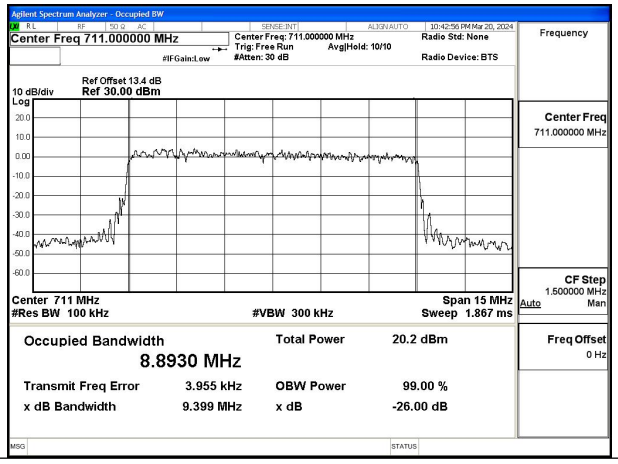

Fig.18

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
17	706.5	23755	5	1	24	Fig.1	Fig.2	Fig.3
17	706.5	23755	5	25	0	Fig.4	Fig.5	Fig.6
17	710	23790	5	1	24	Fig.7	Fig.8	---
17	710	23790	5	25	0	Fig.9	Fig.10	---
17	713.5	23825	5	1	24	Fig.11	Fig.12	Fig.13
17	713.5	23825	5	25	0	Fig.14	Fig.15	Fig.16
17	709	23780	10	1	49	Fig.17	Fig.18	Fig.19
17	709	23780	10	50	0	Fig.20	Fig.21	Fig.22
17	710	23790	10	1	49	Fig.23	Fig.24	Fig.25
17	710	23790	10	50	0	Fig.26	Fig.27	Fig.28
17	711	23800	10	1	49	Fig.29	Fig.30	Fig.31
17	711	23800	10	50	0	Fig.32	Fig.33	Fig.34

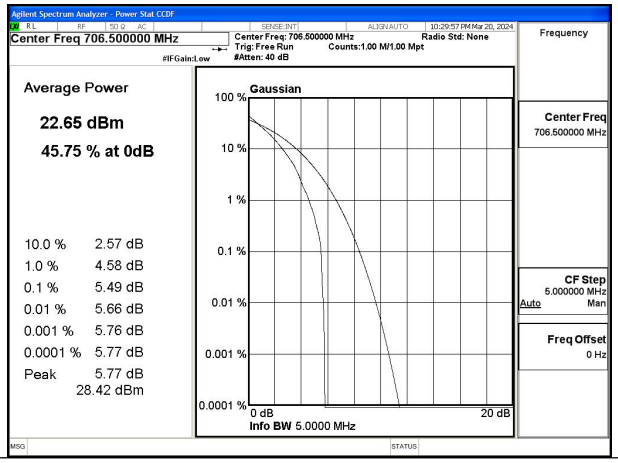

Fig.1

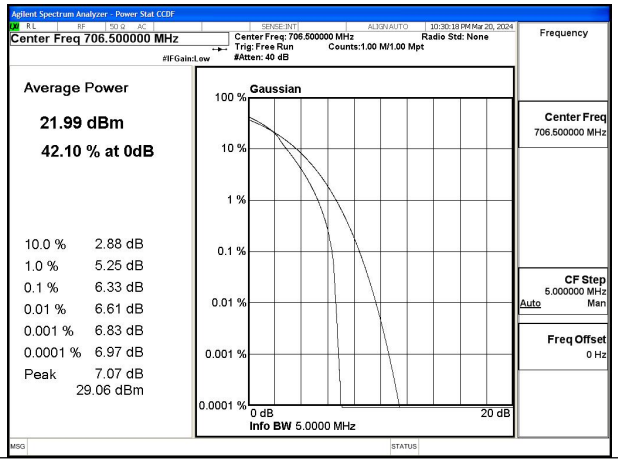

Fig.2

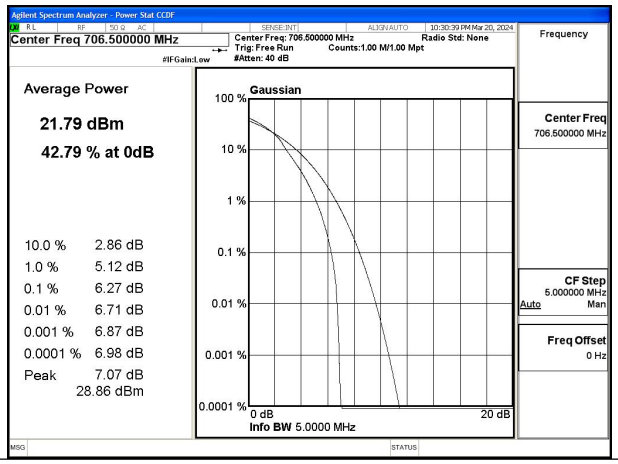

Fig.3

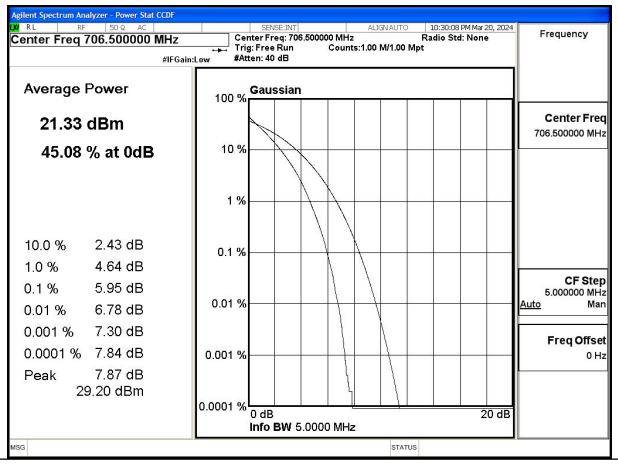

Fig.4

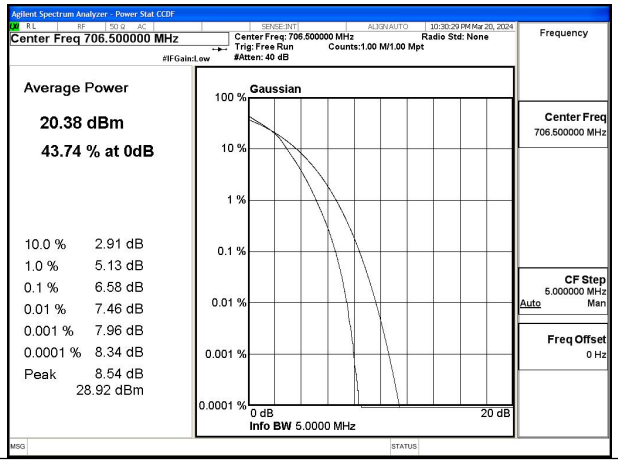

Fig.5

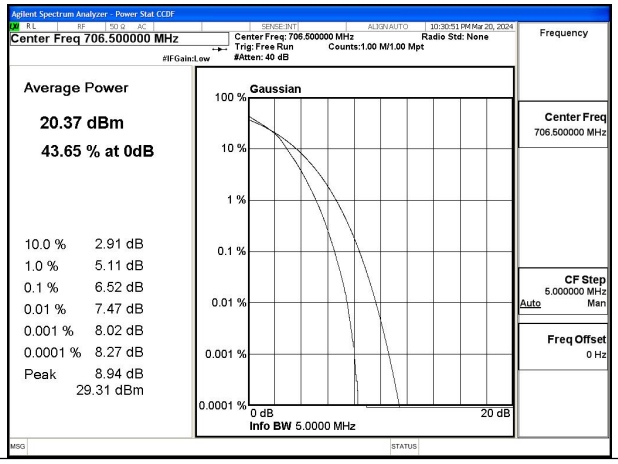

Fig.6