APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 12

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	699.7	23017	1.4	1	0	22.94
QPSK	699.7	23017	1.4	1	3	22.84
QPSK	699.7	23017	1.4	1	5	22.84
QPSK	699.7	23017	1.4	3	0	22.84
QPSK	699.7	23017	1.4	3	1	22.85
QPSK	699.7	23017	1.4	3	3	22.80
QPSK	699.7	23017	1.4	6	0	21.84
QPSK	707.5	23095	1.4	1	0	22.83
QPSK	707.5	23095	1.4	1	3	22.86
QPSK	707.5	23095	1.4	1	5	22.83
QPSK	707.5	23095	1.4	3	0	22.83
QPSK	707.5	23095	1.4	3	1	22.87
QPSK	707.5	23095	1.4	3	3	22.92
QPSK	707.5	23095	1.4	6	0	21.85
QPSK	715.3	23173	1.4	1	0	22.87
QPSK	715.3	23173	1.4	1	3	22.88
QPSK	715.3	23173	1.4	1	5	22.88
QPSK	715.3	23173	1.4	3	0	22.88
QPSK	715.3	23173	1.4	3	1	22.90
QPSK	715.3	23173	1.4	3	3	22.89
QPSK	715.3	23173	1.4	6	0	21.90

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	699.7	23017	1.4	1	0	22.03
16QAM	699.7	23017	1.4	1	3	22.05
16QAM	699.7	23017	1.4	1	5	22.01
16QAM	699.7	23017	1.4	3	0	21.91
16QAM	699.7	23017	1.4	3	1	22.07
16QAM	699.7	23017	1.4	3	3	22.24
16QAM	699.7	23017	1.4	6	0	20.89
16QAM	707.5	23095	1.4	1	0	22.19
16QAM	707.5	23095	1.4	1	3	22.40
16QAM	707.5	23095	1.4	1	5	22.08
16QAM	707.5	23095	1.4	3	0	22.05
16QAM	707.5	23095	1.4	3	1	21.96
16QAM	707.5	23095	1.4	3	3	21.92
16QAM	707.5	23095	1.4	6	0	20.96
16QAM	715.3	23173	1.4	1	0	22.28
16QAM	715.3	23173	1.4	1	3	22.05
16QAM	715.3	23173	1.4	1	5	21.94
16QAM	715.3	23173	1.4	3	0	21.89
16QAM	715.3	23173	1.4	3	1	21.95
16QAM	715.3	23173	1.4	3	3	21.82
16QAM	715.3	23173	1.4	6	0	20.88
64QAM	699.7	23017	1.4	1	0	21.81
64QAM	699.7	23017	1.4	1	3	22.03
64QAM	699.7	23017	1.4	1	5	22.06
64QAM	699.7	23017	1.4	3	0	22.05
64QAM	699.7	23017	1.4	3	1	22.01
64QAM	699.7	23017	1.4	3	3	22.08
64QAM	699.7	23017	1.4	6	0	20.73
64QAM	707.5	23095	1.4	1	0	21.94
64QAM	707.5	23095	1.4	1	3	22.08
64QAM	707.5	23095	1.4	1	5	22.10
64QAM	707.5	23095	1.4	3	0	22.04
64QAM	707.5	23095	1.4	3	1	21.85
64QAM	707.5	23095	1.4	3	3	21.84
64QAM	707.5	23095	1.4	6	0	20.99
64QAM	715.3	23173	1.4	1	0	21.84
64QAM	715.3	23173	1.4	1	3	22.02
64QAM	715.3	23173	1.4	1	5	22.19
64QAM	715.3	23173	1.4	3	0	21.89
64QAM	715.3	23173	1.4	3	1	22.01
64QAM	715.3	23173	1.4	3	3	21.83
64QAM	715.3	23173	1.4	6	0	20.94

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	700.5	23025	3	1	0	22.91
QPSK	700.5	23025	3	1	8	22.81
QPSK	700.5	23025	3	1	14	22.82
QPSK	700.5	23025	3	8	0	21.90
QPSK	700.5	23025	3	8	4	21.86
QPSK	700.5	23025	3	8	7	21.85
QPSK	700.5	23025	3	15	0	21.89
QPSK	707.5	23095	3	1	0	22.77
QPSK	707.5	23095	3	1	8	22.91
QPSK	707.5	23095	3	1	14	22.84
QPSK	707.5	23095	3	8	0	21.83
QPSK	707.5	23095	3	8	4	21.84
QPSK	707.5	23095	3	8	7	21.84
QPSK	707.5	23095	3	15	0	21.84
QPSK	714.5	23165	3	1	0	22.78
QPSK	714.5	23165	3	1	8	22.92
QPSK	714.5	23165	3	1	14	22.90
QPSK	714.5	23165	3	8	0	21.91
QPSK	714.5	23165	3	8	4	21.99
QPSK	714.5	23165	3	8	7	21.94
QPSK	714.5	23165	3	15	0	21.82

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	700.5	23025	3	1	0	22.17
16QAM	700.5	23025	3	1	8	22.30
16QAM	700.5	23025	3	1	14	21.80
16QAM	700.5	23025	3	8	0	20.81
16QAM	700.5	23025	3	8	4	20.90
16QAM	700.5	23025	3	8	7	20.73
16QAM	700.5	23025	3	15	0	20.91
16QAM	707.5	23095	3	1	0	22.39
16QAM	707.5	23095	3	1	8	22.03
16QAM	707.5	23095	3	1	14	22.26
16QAM	707.5	23095	3	8	0	20.92
16QAM	707.5	23095	3	8	4	20.95
16QAM	707.5	23095	3	8	7	21.06
16QAM	707.5	23095	3	15	0	20.88
16QAM	714.5	23165	3	1	0	22.18
16QAM	714.5	23165	3	1	8	22.04
16QAM	714.5	23165	3	1	14	22.38
16QAM	714.5	23165	3	8	0	21.08
16QAM	714.5	23165	3	8	4	21.10
16QAM	714.5	23165	3	8	7	21.21
16QAM	714.5	23165	3	15	0	20.92
64QAM	700.5	23025	3	1	0	22.20
64QAM	700.5	23025	3	1	8	21.86
64QAM	700.5	23025	3	1	14	21.56
64QAM	700.5	23025	3	8	0	20.97
64QAM	700.5	23025	3	8	4	20.87
64QAM	700.5	23025	3	8	7	20.89
64QAM	700.5	23025	3	15	0	21.01
64QAM	707.5	23095	3	1	0	21.85
64QAM	707.5	23095	3	1	8	22.31
64QAM	707.5	23095	3	1	14	21.68
64QAM	707.5	23095	3	8	0	21.01
64QAM	707.5	23095	3	8	4	20.93
64QAM	707.5	23095	3	8	7	20.85
64QAM	707.5	23095	3	15	0	20.89
64QAM	714.5	23165	3	1	0	22.43
64QAM	714.5	23165	3	1	8	22.10
64QAM	714.5	23165	3	1	14	22.29
64QAM	714.5	23165	3	8	0	21.04
64QAM	714.5	23165	3	8	4	21.01
64QAM	714.5	23165	3	8	7	21.06
64QAM	714.5	23165	3	15	0	20.99

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	701.5	23035	5	1	0	22.83
QPSK	701.5	23035	5	1	12	22.80
QPSK	701.5	23035	5	1	24	22.86
QPSK	701.5	23035	5	12	0	21.88
QPSK	701.5	23035	5	12	7	21.90
QPSK	701.5	23035	5	12	13	21.85
QPSK	701.5	23035	5	25	0	21.83
QPSK	707.5	23095	5	1	0	22.92
QPSK	707.5	23095	5	1	12	22.97
QPSK	707.5	23095	5	1	24	22.80
QPSK	707.5	23095	5	12	0	21.85
QPSK	707.5	23095	5	12	7	21.90
QPSK	707.5	23095	5	12	13	21.89
QPSK	707.5	23095	5	25	0	21.89
QPSK	713.5	23155	5	1	0	22.88
QPSK	713.5	23155	5	1	12	23.01
QPSK	713.5	23155	5	1	24	22.96
QPSK	713.5	23155	5	12	0	21.93
QPSK	713.5	23155	5	12	7	21.97
QPSK	713.5	23155	5	12	13	21.98
QPSK	713.5	23155	5	25	0	21.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	701.5	23035	5	1	0	22.40
16QAM	701.5	23035	5	1	12	22.35
16QAM	701.5	23035	5	1	24	22.13
16QAM	701.5	23035	5	12	0	20.87
16QAM	701.5	23035	5	12	7	20.96
16QAM	701.5	23035	5	12	13	20.77
16QAM	701.5	23035	5	25	0	20.92
16QAM	707.5	23095	5	1	0	22.39
16QAM	707.5	23095	5	1	12	22.24
16QAM	707.5	23095	5	1	24	22.12
16QAM	707.5	23095	5	12	0	20.99
16QAM	707.5	23095	5	12	7	20.94
16QAM	707.5	23095	5	12	13	20.98
16QAM	707.5	23095	5	25	0	20.85
16QAM	713.5	23155	5	1	0	22.37
16QAM	713.5	23155	5	1	12	22.34
16QAM	713.5	23155	5	1	24	22.00
16QAM	713.5	23155	5	12	0	20.89
16QAM	713.5	23155	5	12	7	21.01
16QAM	713.5	23155	5	12	13	20.94
16QAM	713.5	23155	5	25	0	20.98
64QAM	701.5	23035	5	1	0	22.19
64QAM	701.5	23035	5	1	12	22.20
64QAM	701.5	23035	5	1	24	21.65
64QAM	701.5	23035	5	12	0	20.85
64QAM	701.5	23035	5	12	7	21.00
64QAM	701.5	23035	5	12	13	20.92
64QAM	701.5	23035	5	25	0	20.86
64QAM	707.5	23095	5	1	0	21.96
64QAM	707.5	23095	5	1	12	22.09
64QAM	707.5	23095	5	1	24	22.01
64QAM	707.5	23095	5	12	0	20.77
64QAM	707.5	23095	5	12	7	20.95
64QAM	707.5	23095	5	12	13	20.94
64QAM	707.5	23095	5	25	0	20.93
64QAM	713.5	23155	5	1	0	22.20
64QAM	713.5	23155	5	1	12	21.84
64QAM	713.5	23155	5	1	24	21.96
64QAM	713.5	23155	5	12	0	20.81
64QAM	713.5	23155	5	12	7	21.05
64QAM	713.5	23155	5	12	13	20.81
64QAM	713.5	23155	5	25	0	20.98

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	704	23060	10	1	0	22.92
QPSK	704	23060	10	1	25	22.94
QPSK	704	23060	10	1	49	22.89
QPSK	704	23060	10	25	0	21.85
QPSK	704	23060	10	25	12	21.96
QPSK	704	23060	10	25	25	21.87
QPSK	704	23060	10	50	0	21.89
QPSK	707.5	23095	10	1	0	22.86
QPSK	707.5	23095	10	1	25	22.97
QPSK	707.5	23095	10	1	49	22.81
QPSK	707.5	23095	10	25	0	21.89
QPSK	707.5	23095	10	25	12	21.89
QPSK	707.5	23095	10	25	25	21.92
QPSK	707.5	23095	10	50	0	21.92
QPSK	711	23130	10	1	0	22.91
QPSK	711	23130	10	1	25	22.88
QPSK	711	23130	10	1	49	22.78
QPSK	711	23130	10	25	0	21.93
QPSK	711	23130	10	25	12	21.95
QPSK	711	23130	10	25	25	21.86
QPSK	711	23130	10	50	0	21.87

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	704	23060	10	1	0	22.32
16QAM	704	23060	10	1	25	22.15
16QAM	704	23060	10	1	49	22.23
16QAM	704	23060	10	25	0	20.94
16QAM	704	23060	10	25	12	20.97
16QAM	704	23060	10	25	25	20.95
16QAM	704	23060	10	50	0	20.95
16QAM	707.5	23095	10	1	0	22.57
16QAM	707.5	23095	10	1	25	22.11
16QAM	707.5	23095	10	1	49	21.89
16QAM	707.5	23095	10	25	0	20.83
16QAM	707.5	23095	10	25	12	20.89
16QAM	707.5	23095	10	25	25	20.98
16QAM	707.5	23095	10	50	0	20.96
16QAM	711	23130	10	1	0	22.20
16QAM	711	23130	10	1	25	22.23
16QAM	711	23130	10	1	49	22.37
16QAM	711	23130	10	25	0	20.89
16QAM	711	23130	10	25	12	20.96
16QAM	711	23130	10	25	25	21.05
16QAM	711	23130	10	50	0	20.90
64QAM	704	23060	10	1	0	21.87
64QAM	704	23060	10	1	25	21.88
64QAM	704	23060	10	1	49	21.41
64QAM	704	23060	10	25	0	20.93
64QAM	704	23060	10	25	12	20.92
64QAM	704	23060	10	25	25	20.88
64QAM	704	23060	10	50	0	20.94
64QAM	707.5	23095	10	1	0	22.27
64QAM	707.5	23095	10	1	25	22.27
64QAM	707.5	23095	10	1	49	21.71
64QAM	707.5	23095	10	25	0	20.86
64QAM	707.5	23095	10	25	12	20.96
64QAM	707.5	23095	10	25	25	20.90
64QAM	707.5	23095	10	50	0	20.83
64QAM	711	23130	10	1	0	21.63
64QAM	711	23130	10	1	25	22.11
64QAM	711	23130	10	1	49	21.93
64QAM	711	23130	10	25	0	20.90
64QAM	711	23130	10	25	12	20.88
64QAM	711	23130	10	25	25	20.92
64QAM	711	23130	10	50	0	20.84

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
12	QPSK	699.7	23017	1.4	6	0	1.077	Fig.1
12	QPSK	707.5	23095	1.4	6	0	1.077	Fig.2
12	QPSK	715.3	23173	1.4	6	0	1.078	Fig.3
12	QPSK	700.5	23025	3	15	0	2.684	Fig.4
12	QPSK	707.5	23095	3	15	0	2.678	Fig.5
12	QPSK	714.5	23165	3	15	0	2.684	Fig.6
12	QPSK	701.5	23035	5	25	0	4.460	Fig.7
12	QPSK	707.5	23095	5	25	0	4.459	Fig.8
12	QPSK	713.5	23155	5	25	0	4.484	Fig.9
12	QPSK	704	23060	10	50	0	8.942	Fig.10
12	QPSK	707.5	23095	10	50	0	8.868	Fig.11
12	QPSK	711	23130	10	50	0	8.931	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
12	16QAM	699.7	23017	1.4	6	0	1.080	Fig.13
12	16QAM	707.5	23095	1.4	6	0	1.079	Fig.14
12	16QAM	715.3	23173	1.4	6	0	1.078	Fig.15
12	16QAM	700.5	23025	3	15	0	2.673	Fig.16
12	16QAM	707.5	23095	3	15	0	2.678	Fig.17
12	16QAM	714.5	23165	3	15	0	2.688	Fig.18
12	16QAM	701.5	23035	5	25	0	4.469	Fig.19
12	16QAM	707.5	23095	5	25	0	4.463	Fig.20
12	16QAM	713.5	23155	5	25	0	4.472	Fig.21
12	16QAM	704	23060	10	50	0	8.952	Fig.22
12	16QAM	707.5	23095	10	50	0	8.890	Fig.23
12	16QAM	711	23130	10	50	0	8.903	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
12	64QAM	699.7	23017	1.4	6	0	1.077	Fig.25
12	64QAM	707.5	23095	1.4	6	0	1.077	Fig.26
12	64QAM	715.3	23173	1.4	6	0	1.077	Fig.27
12	64QAM	700.5	23025	3	15	0	2.673	Fig.28
12	64QAM	707.5	23095	3	15	0	2.680	Fig.29
12	64QAM	714.5	23165	3	15	0	2.684	Fig.30
12	64QAM	701.5	23035	5	25	0	4.451	Fig.31
12	64QAM	707.5	23095	5	25	0	4.436	Fig.32
12	64QAM	713.5	23155	5	25	0	4.463	Fig.33
12	64QAM	704	23060	10	50	0	8.977	Fig.34
12	64QAM	707.5	23095	10	50	0	8.916	Fig.35
12	64QAM	711	23130	10	50	0	8.915	Fig.36

Test Mode: QPSK

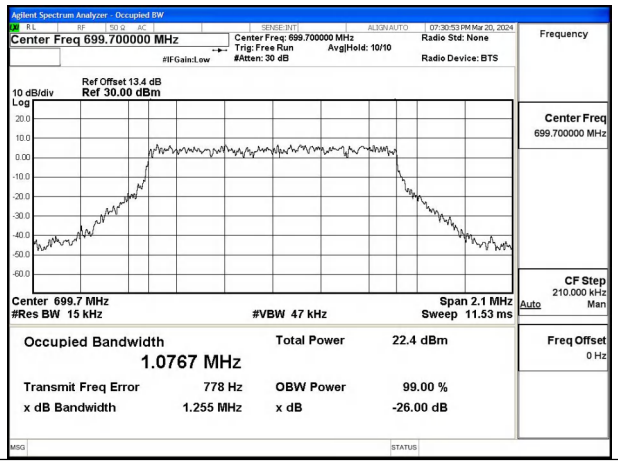


Fig.1

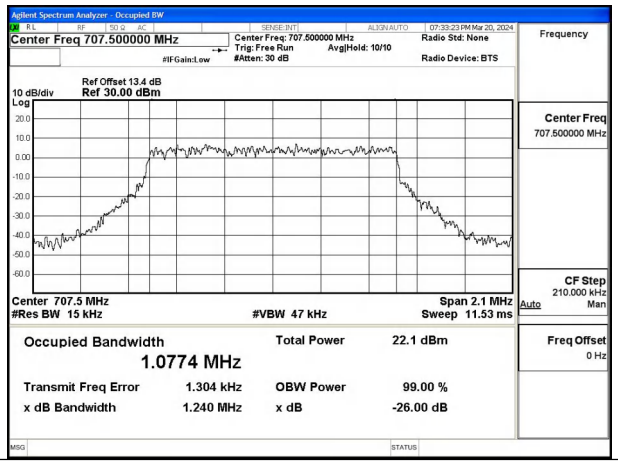


Fig.2

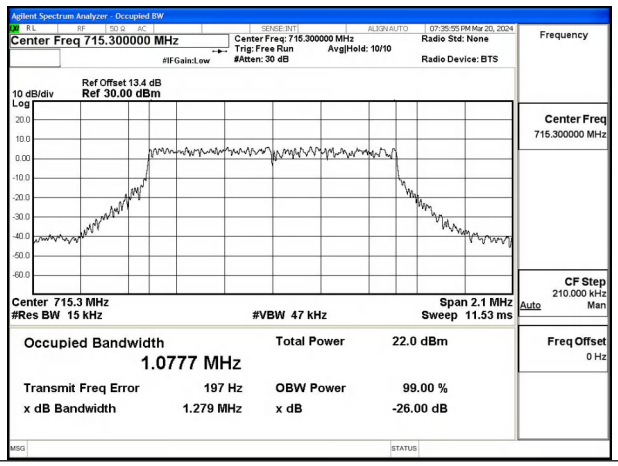


Fig.3

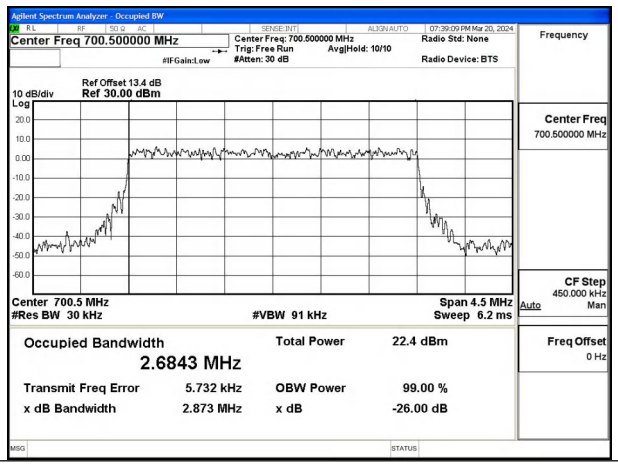


Fig.4

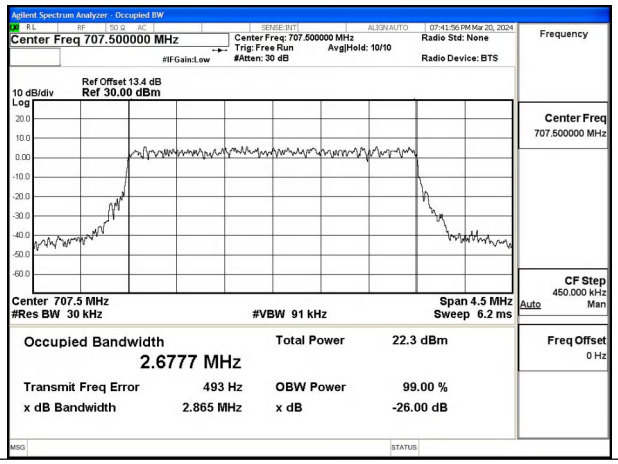


Fig.5

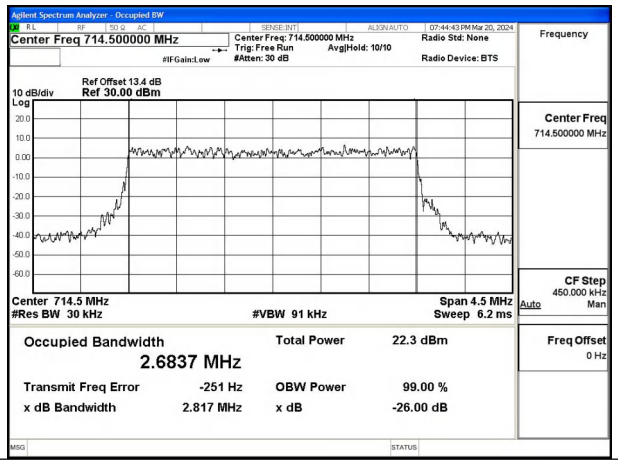


Fig.6

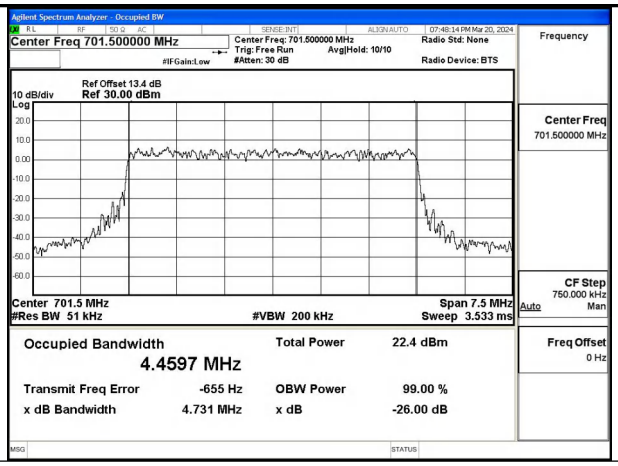


Fig.7

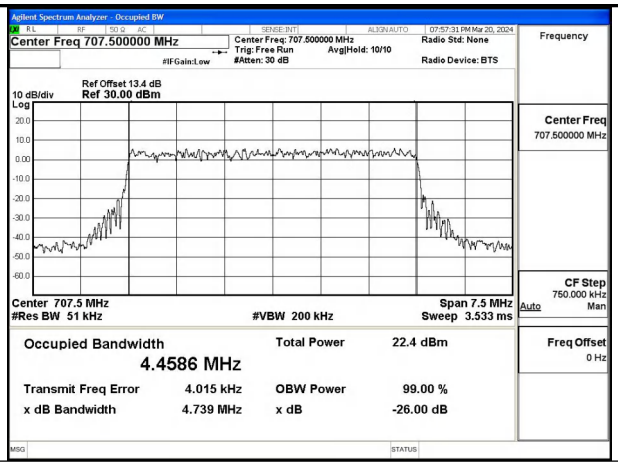


Fig.8

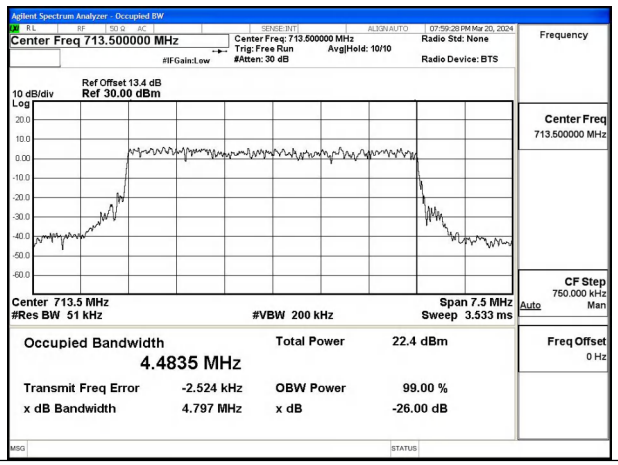


Fig.9

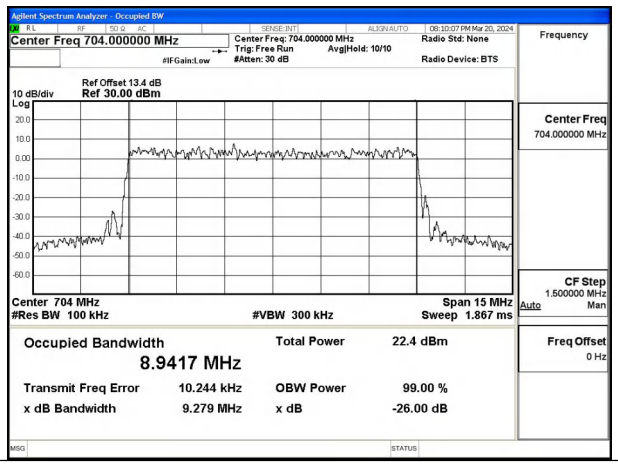


Fig.10

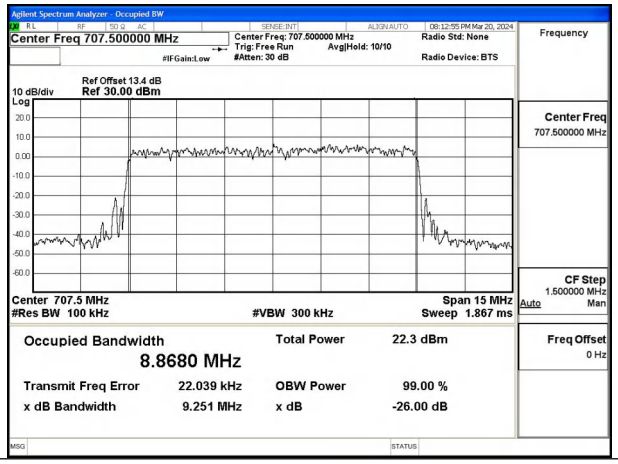


Fig.11

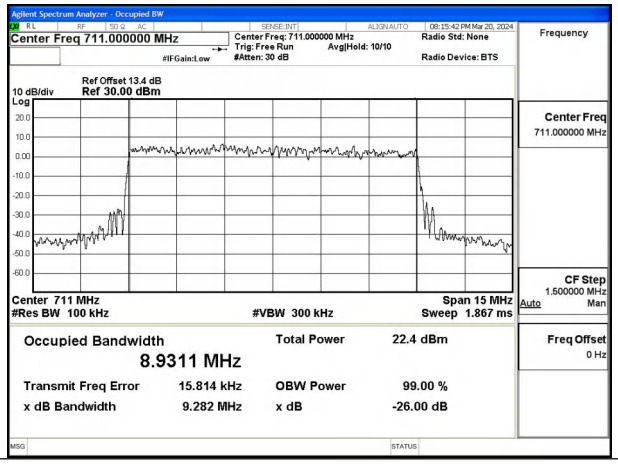


Fig.12

Test Mode: 16QAM

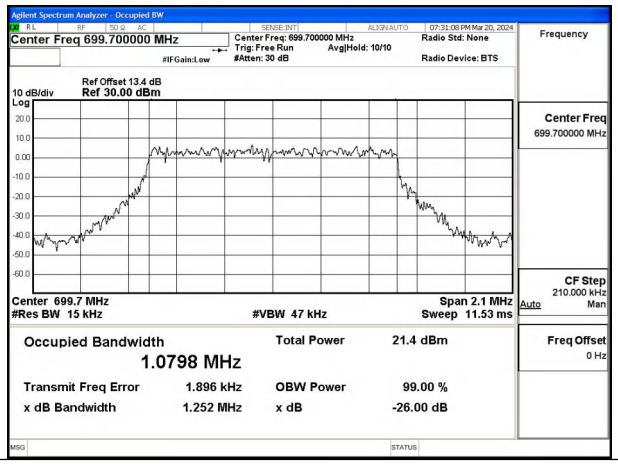


Fig.13

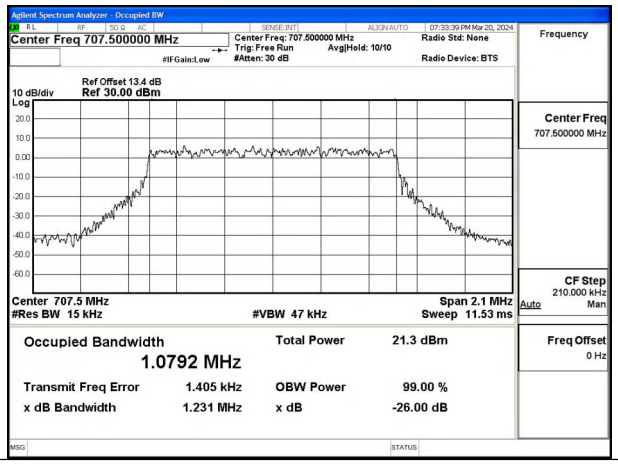


Fig.14

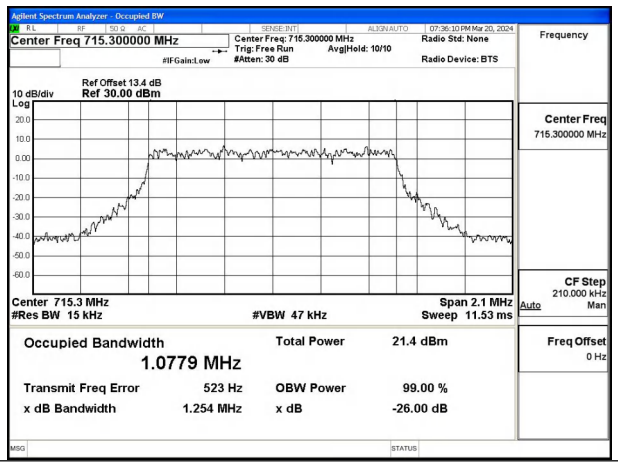


Fig.15

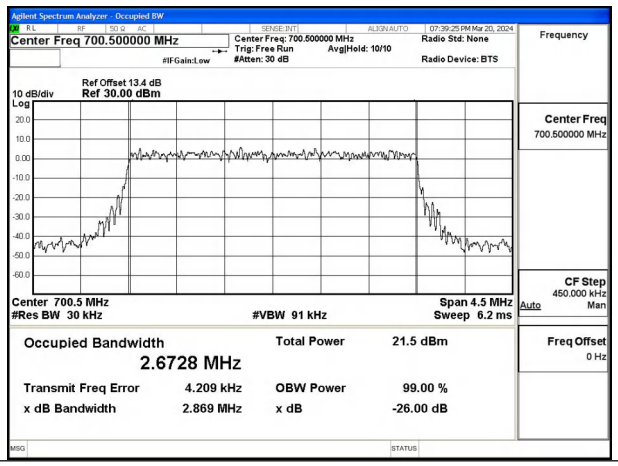


Fig.16

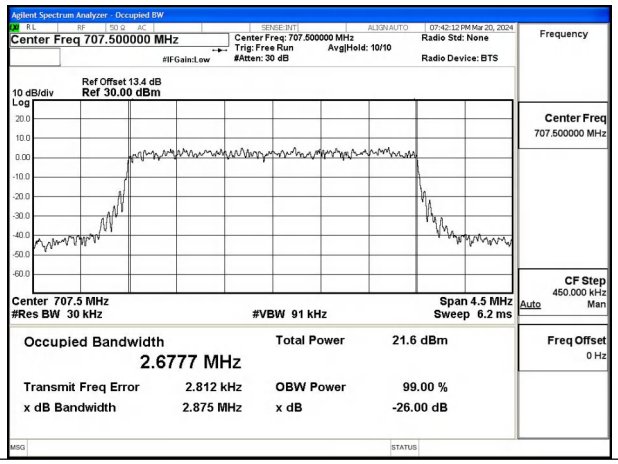


Fig.17

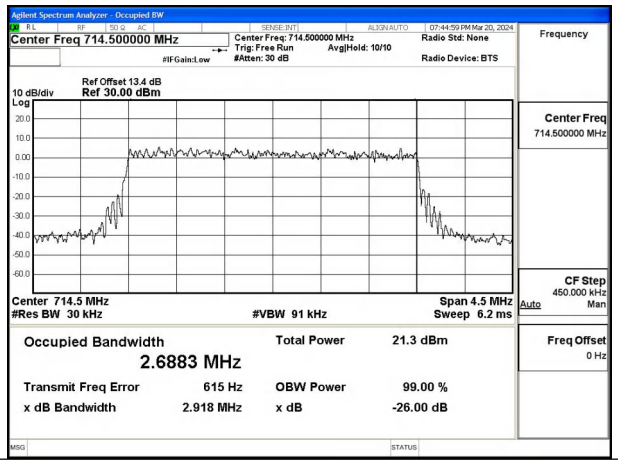


Fig.18

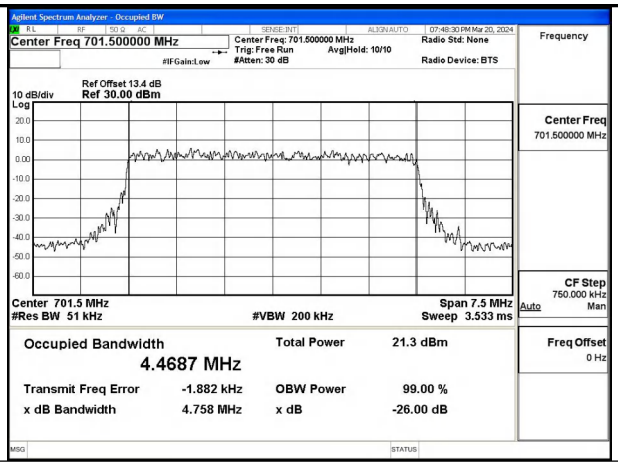


Fig.19

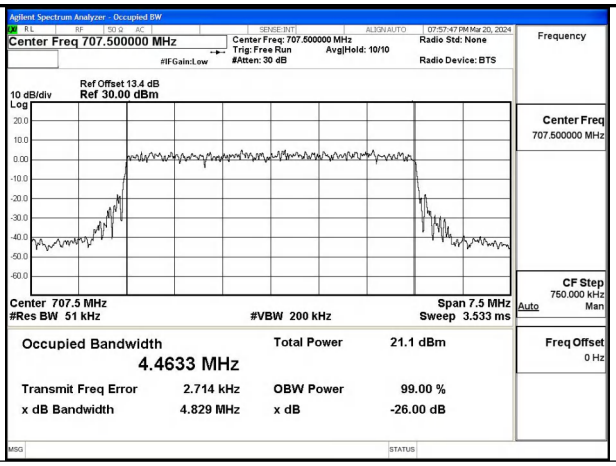


Fig.20

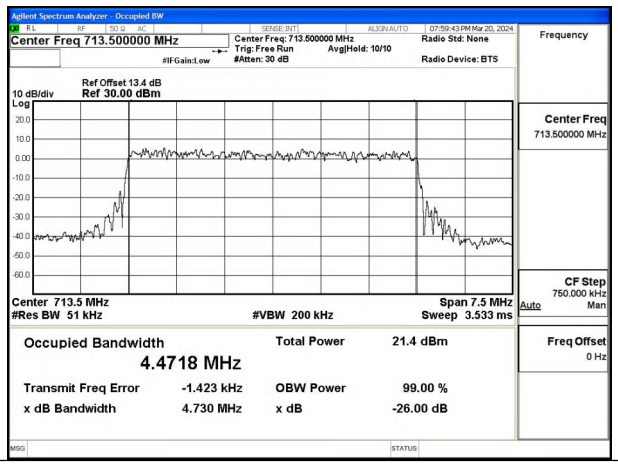


Fig.21

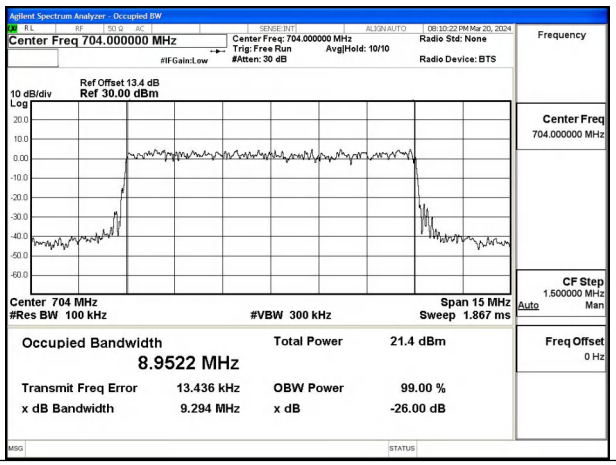


Fig.22

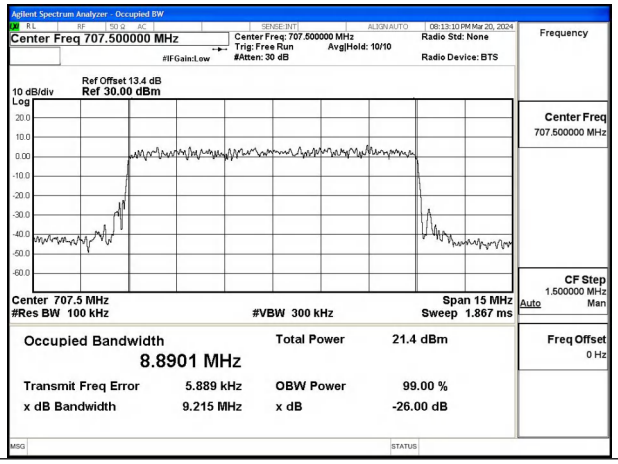


Fig.23

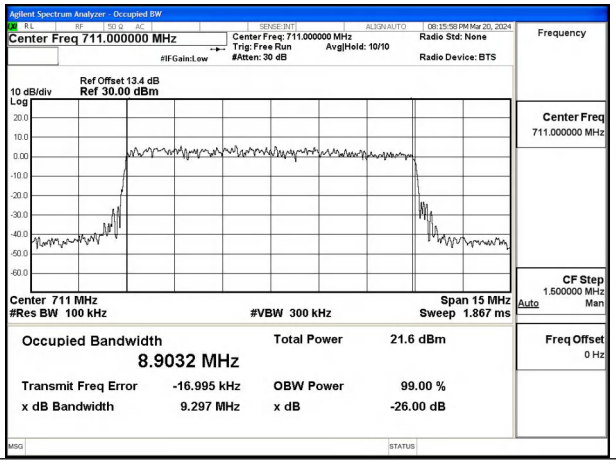


Fig.24

Test Mode: 64QAM

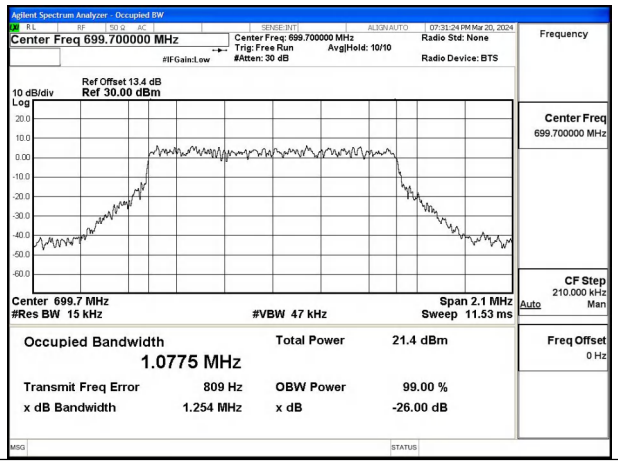


Fig.25

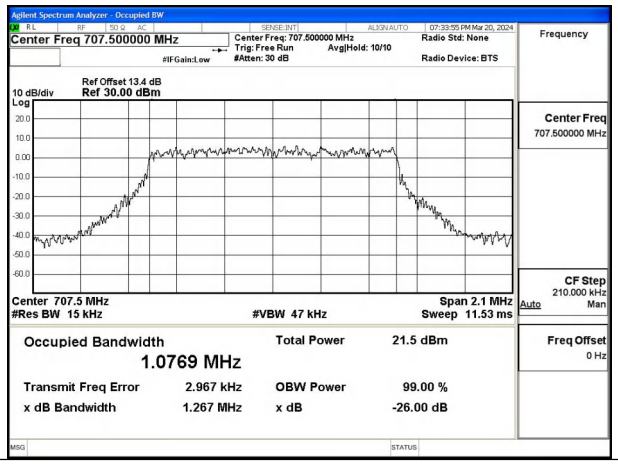


Fig.26

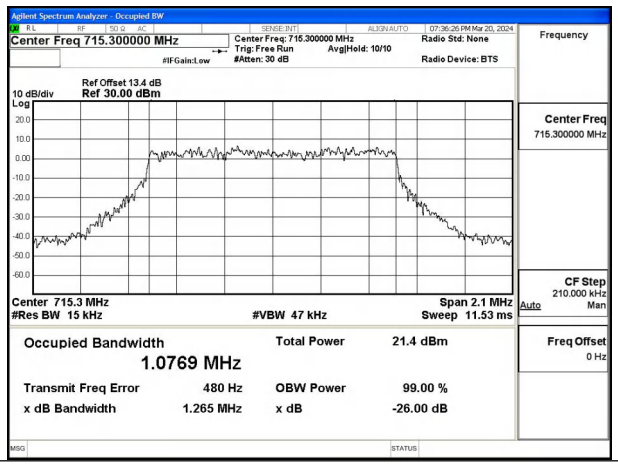


Fig.27

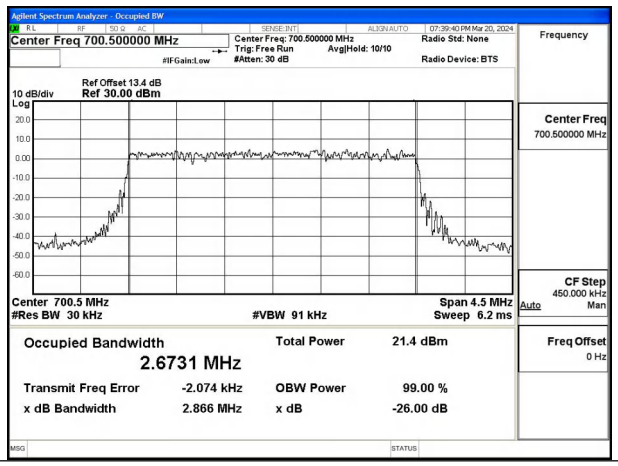


Fig.28

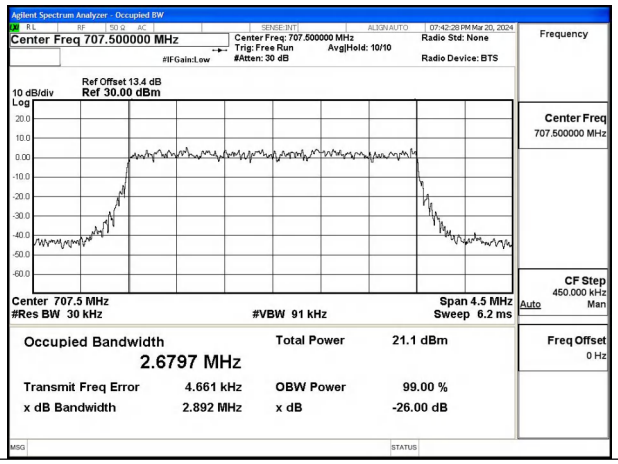


Fig.29

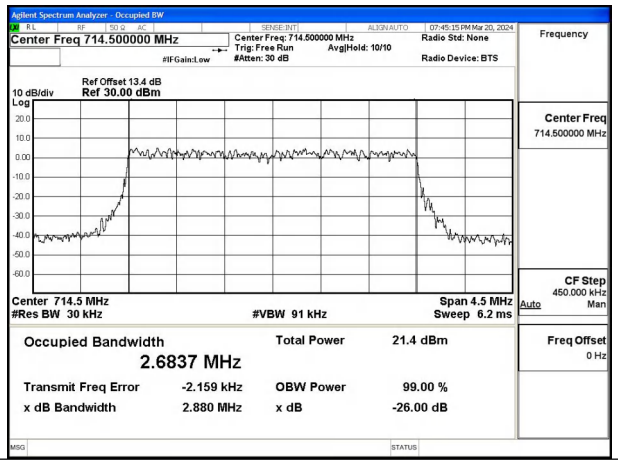


Fig.30

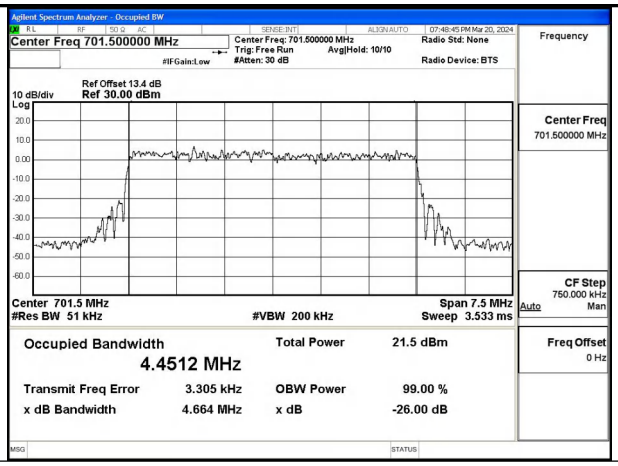


Fig.31

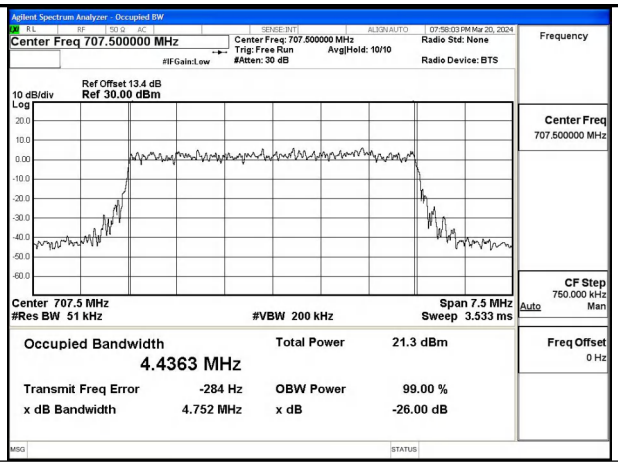


Fig.32

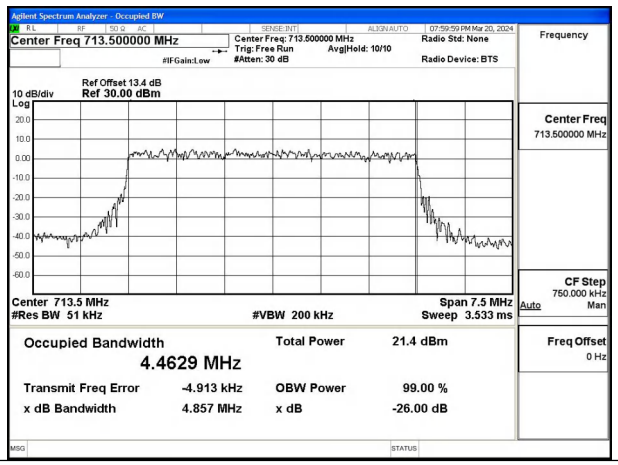


Fig.33

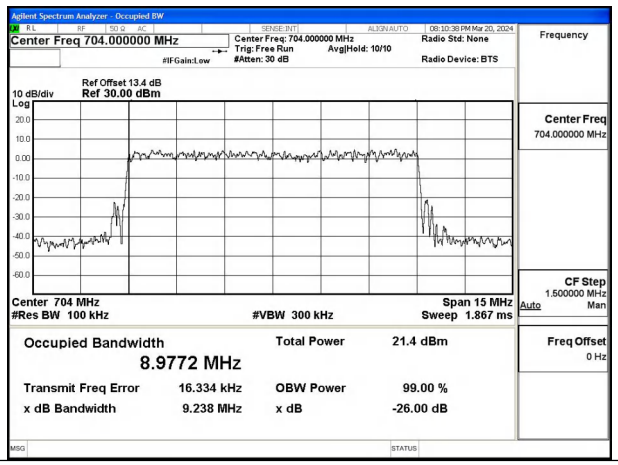


Fig.34

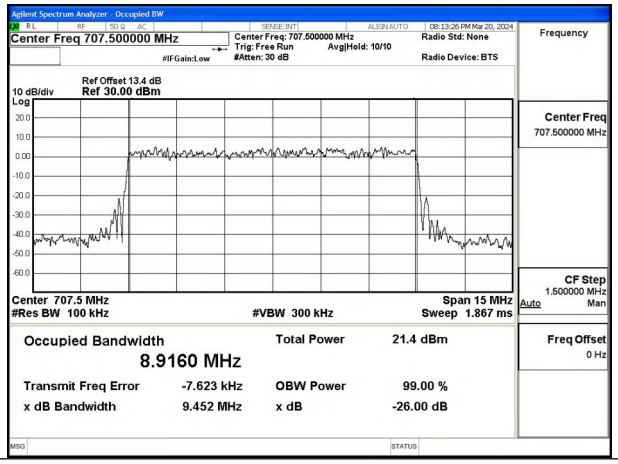


Fig.35

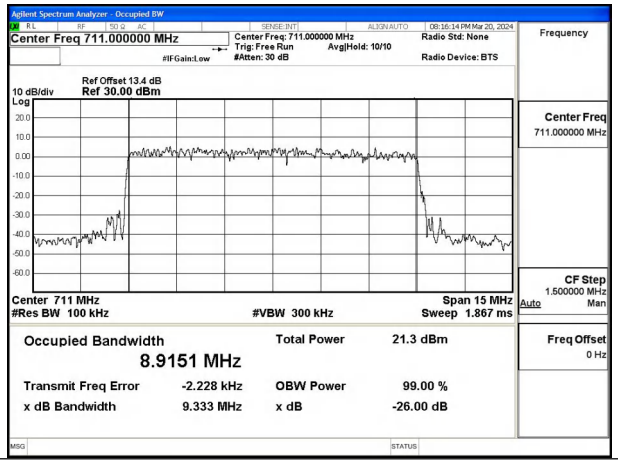


Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
12	QPSK	699.7	23017	1.4	6	0	1.255	Fig.1
12	QPSK	707.5	23095	1.4	6	0	1.240	Fig.2
12	QPSK	715.3	23173	1.4	6	0	1.279	Fig.3
12	QPSK	700.5	23025	3	15	0	2.873	Fig.4
12	QPSK	707.5	23095	3	15	0	2.865	Fig.5
12	QPSK	714.5	23165	3	15	0	2.817	Fig.6
12	QPSK	701.5	23035	5	25	0	4.731	Fig.7
12	QPSK	707.5	23095	5	25	0	4.739	Fig.8
12	QPSK	713.5	23155	5	25	0	4.797	Fig.9
12	QPSK	704	23060	10	50	0	9.279	Fig.10
12	QPSK	707.5	23095	10	50	0	9.251	Fig.11
12	QPSK	711	23130	10	50	0	9.282	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
12	16QAM	699.7	23017	1.4	6	0	1.252	Fig.13
12	16QAM	707.5	23095	1.4	6	0	1.231	Fig.14
12	16QAM	715.3	23173	1.4	6	0	1.254	Fig.15
12	16QAM	700.5	23025	3	15	0	2.869	Fig.16
12	16QAM	707.5	23095	3	15	0	2.875	Fig.17
12	16QAM	714.5	23165	3	15	0	2.918	Fig.18
12	16QAM	701.5	23035	5	25	0	4.758	Fig.19
12	16QAM	707.5	23095	5	25	0	4.829	Fig.20
12	16QAM	713.5	23155	5	25	0	4.730	Fig.21
12	16QAM	704	23060	10	50	0	9.294	Fig.22
12	16QAM	707.5	23095	10	50	0	9.215	Fig.23
12	16QAM	711	23130	10	50	0	9.297	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
12	64QAM	699.7	23017	1.4	6	0	1.254	Fig.25
12	64QAM	707.5	23095	1.4	6	0	1.267	Fig.26
12	64QAM	715.3	23173	1.4	6	0	1.265	Fig.27
12	64QAM	700.5	23025	3	15	0	2.866	Fig.28
12	64QAM	707.5	23095	3	15	0	2.892	Fig.29
12	64QAM	714.5	23165	3	15	0	2.880	Fig.30
12	64QAM	701.5	23035	5	25	0	4.664	Fig.31
12	64QAM	707.5	23095	5	25	0	4.752	Fig.32
12	64QAM	713.5	23155	5	25	0	4.857	Fig.33
12	64QAM	704	23060	10	50	0	9.238	Fig.34
12	64QAM	707.5	23095	10	50	0	9.452	Fig.35
12	64QAM	711	23130	10	50	0	9.333	Fig.36

Test Mode: QPSK

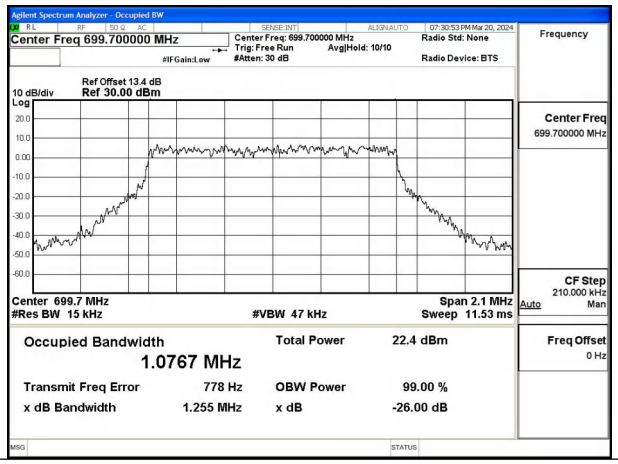


Fig.1

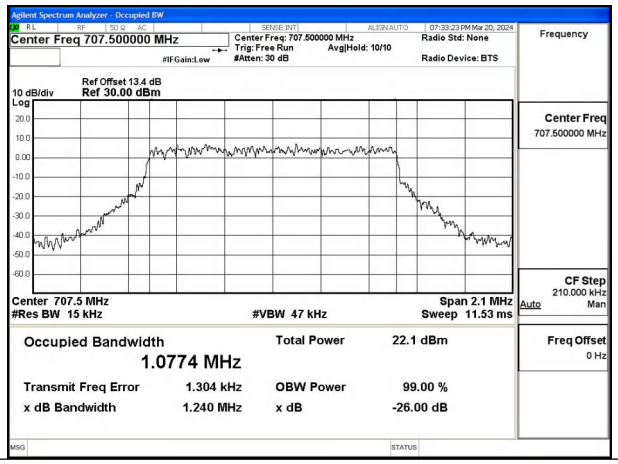


Fig.2

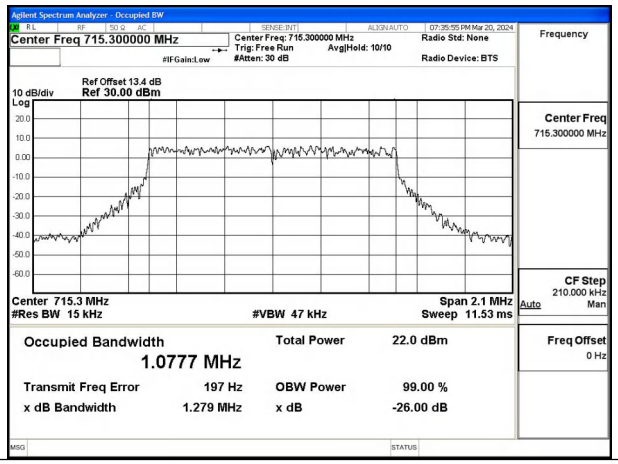


Fig.3

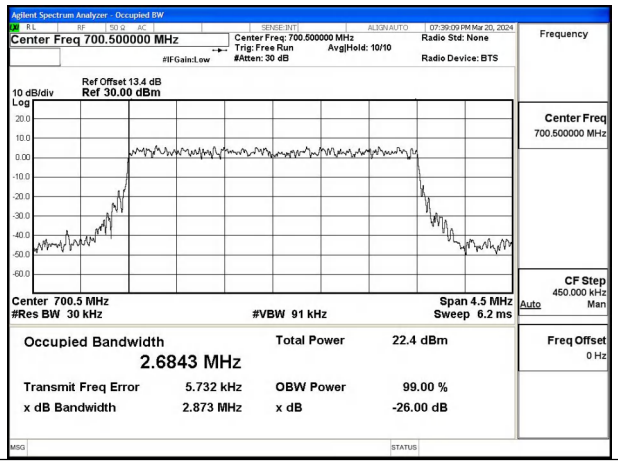


Fig.4

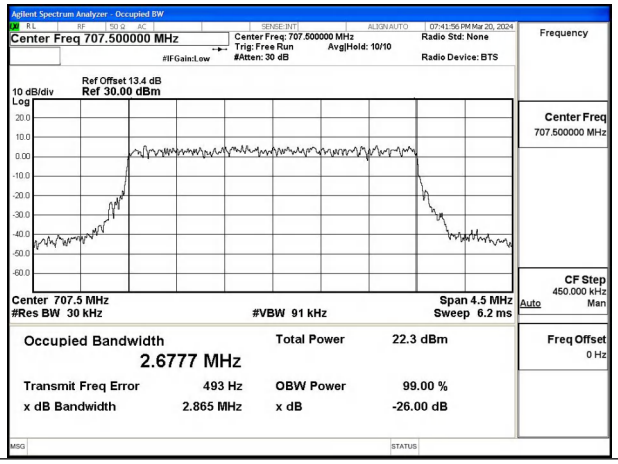


Fig.5

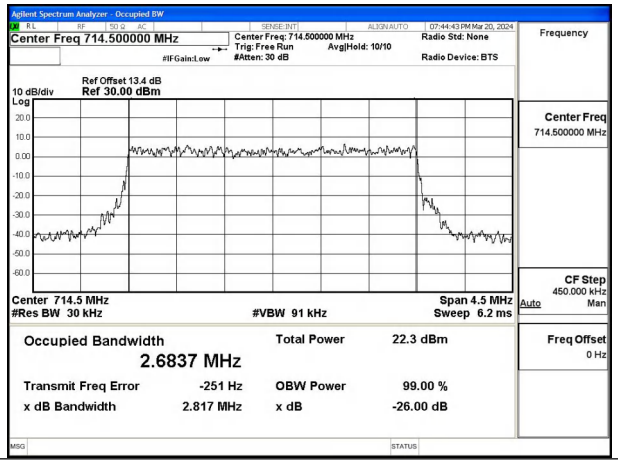


Fig.6

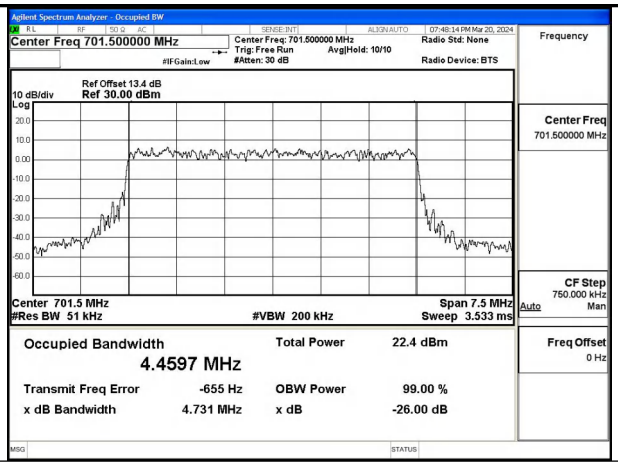


Fig.7

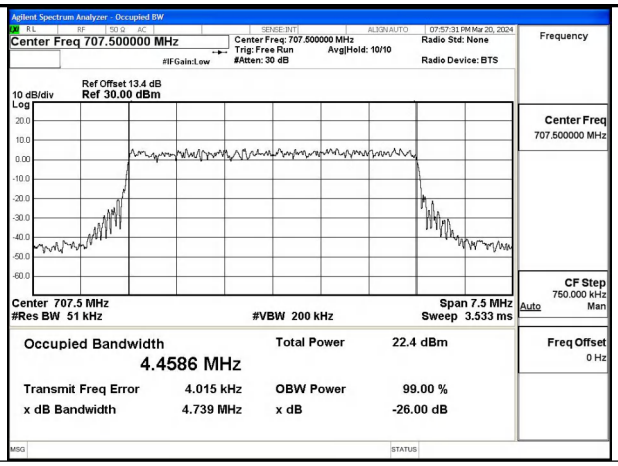


Fig.8

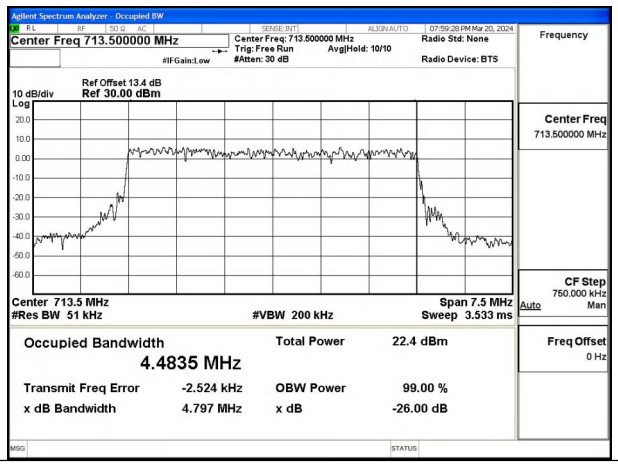


Fig.9

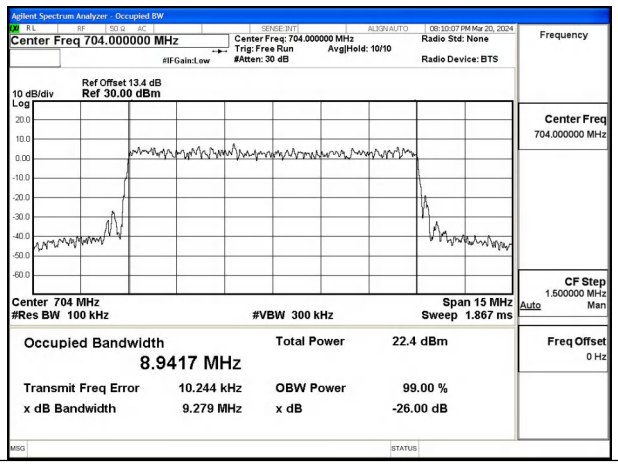


Fig.10

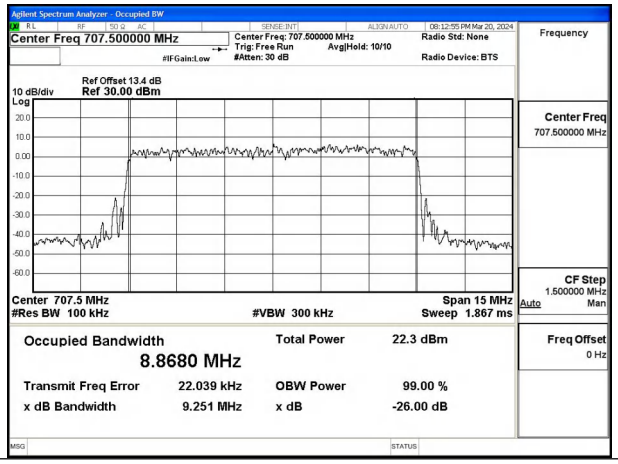


Fig.11

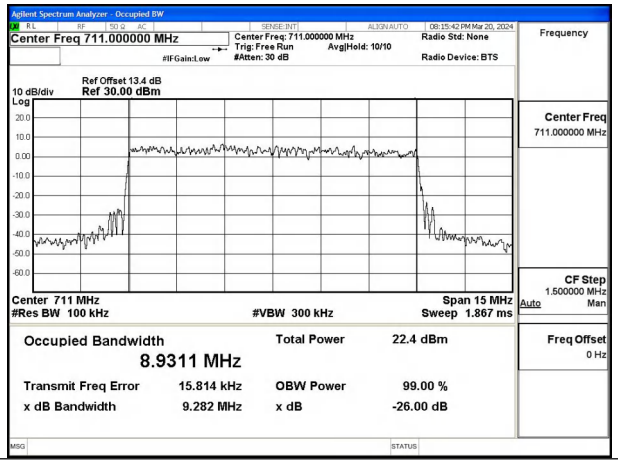


Fig.12

Test Mode: 16QAM

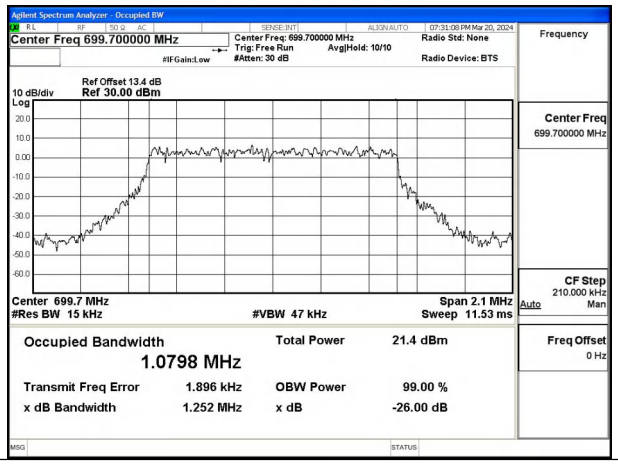


Fig.13

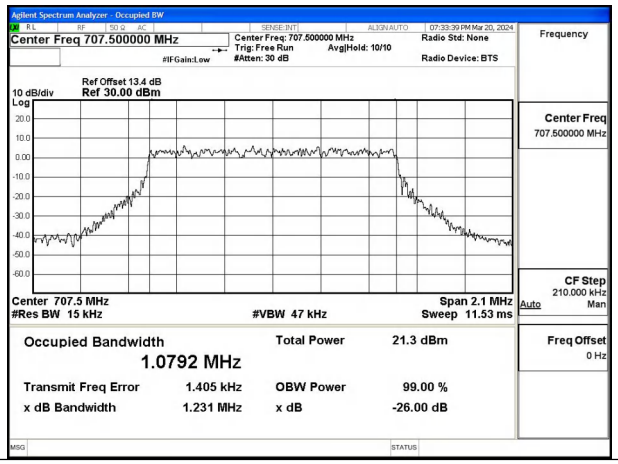


Fig.14

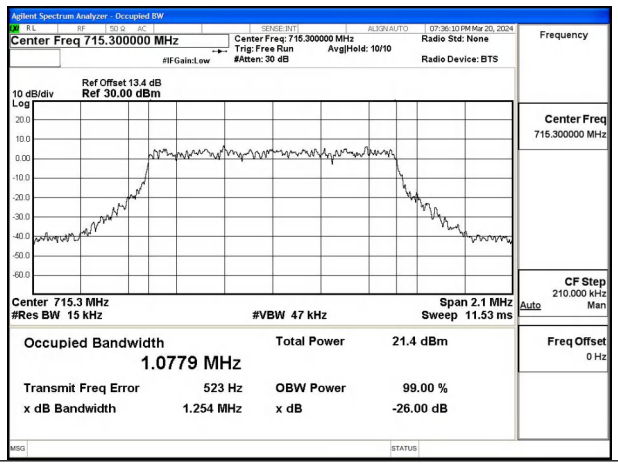


Fig.15

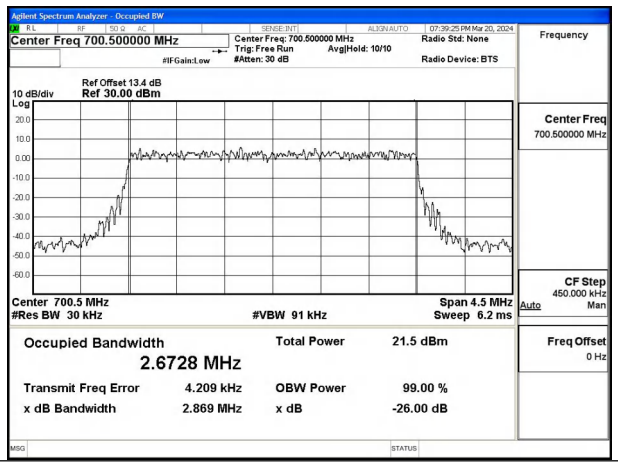


Fig.16

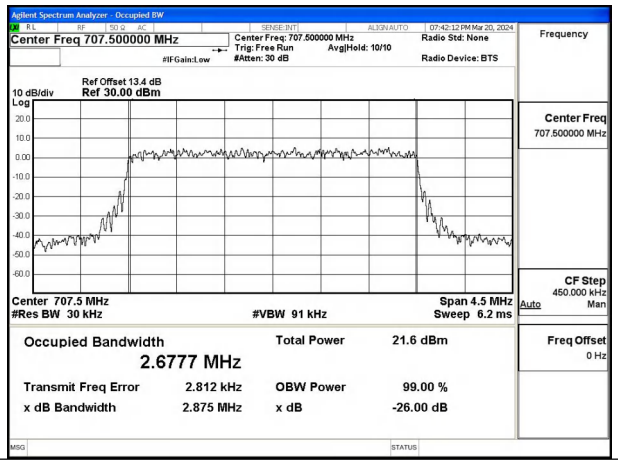


Fig.17

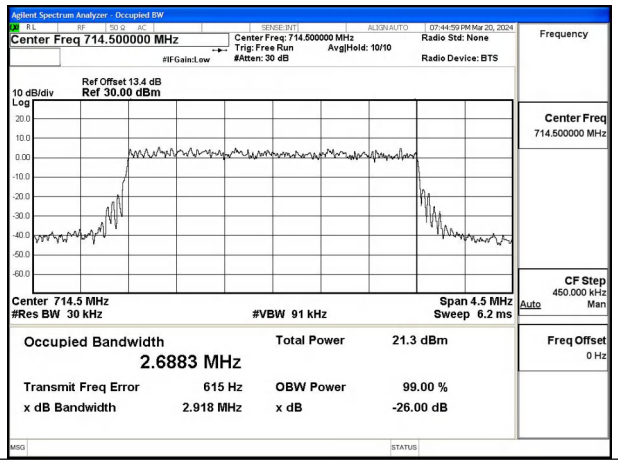


Fig.18

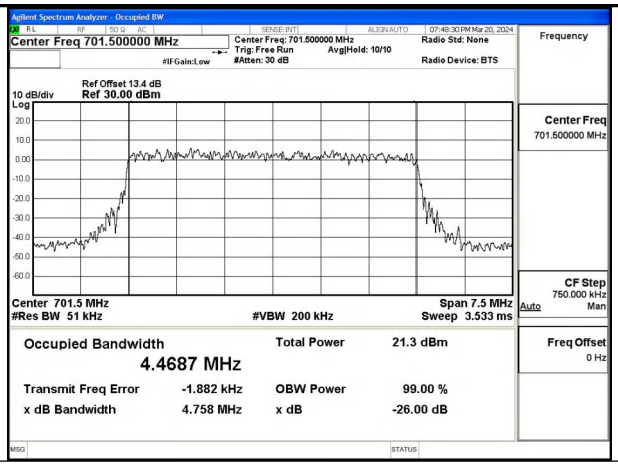


Fig.19

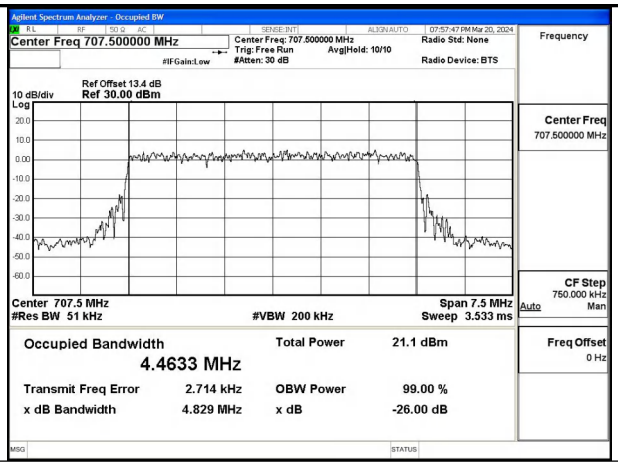


Fig.20

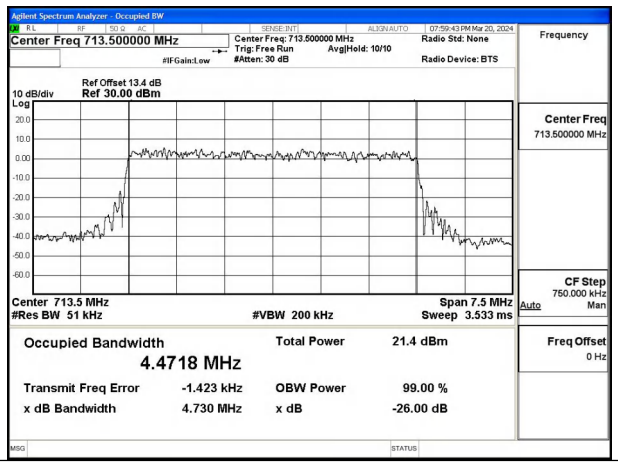


Fig.21

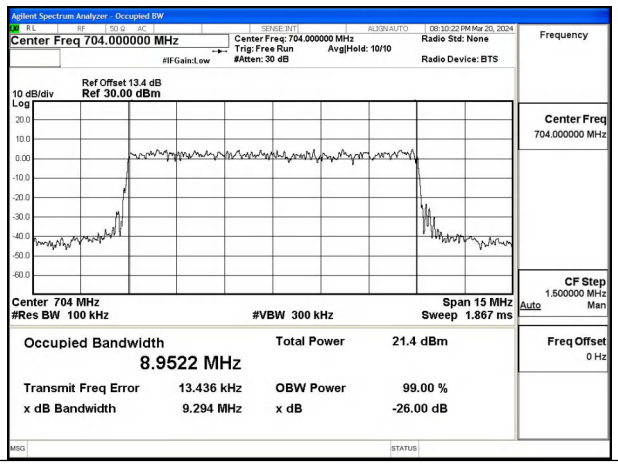


Fig.22

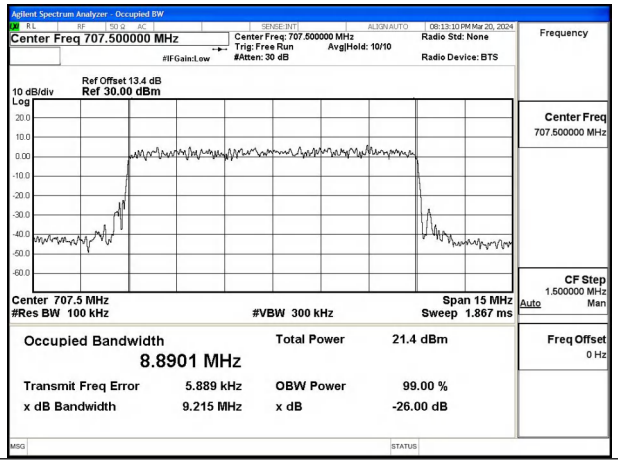


Fig.23

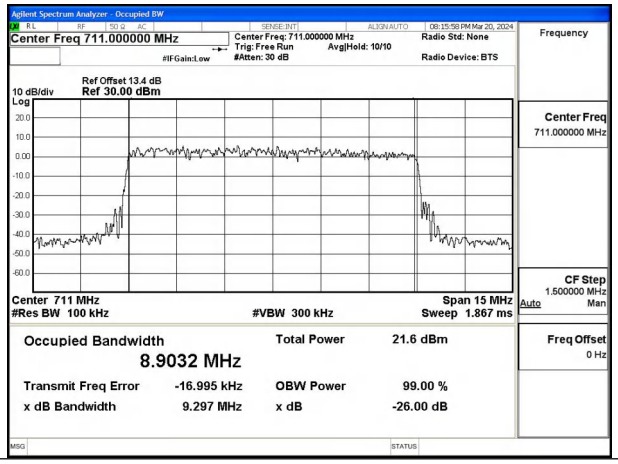


Fig.24

Test Mode: 64QAM

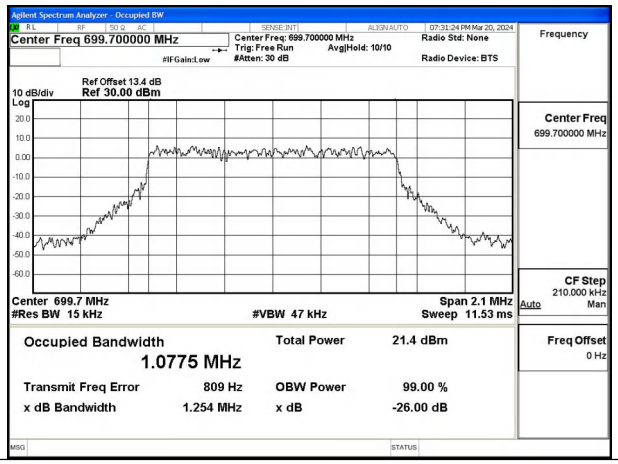


Fig.25

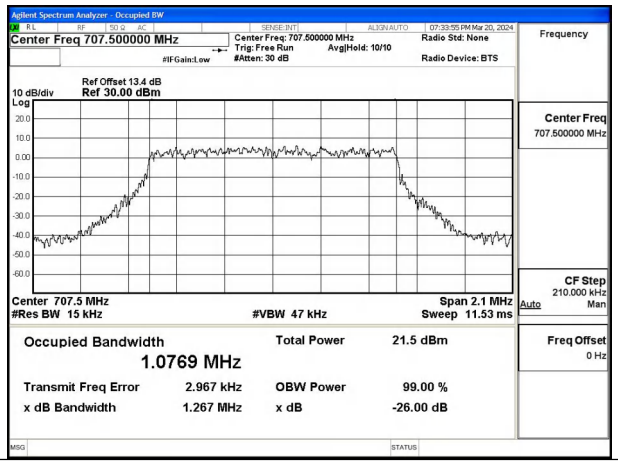


Fig.26

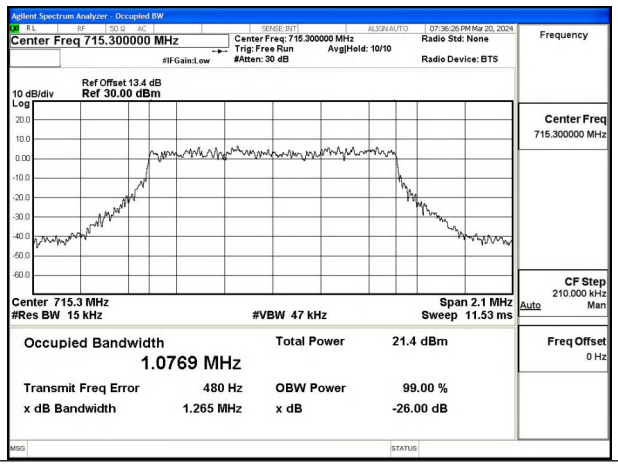


Fig.27

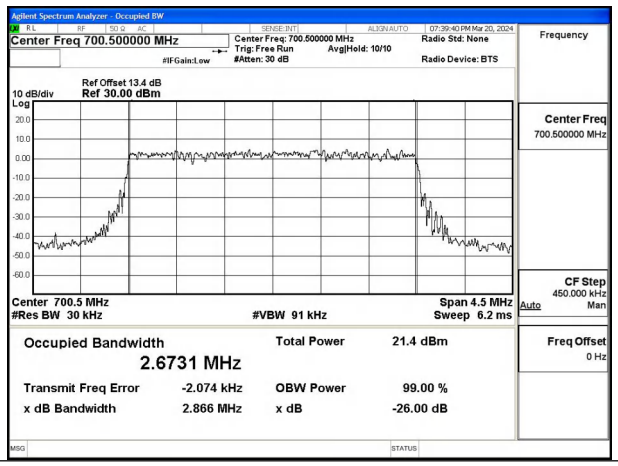


Fig.28

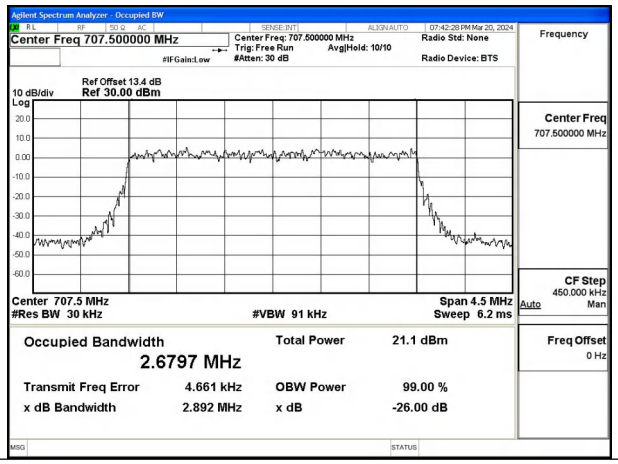


Fig.29

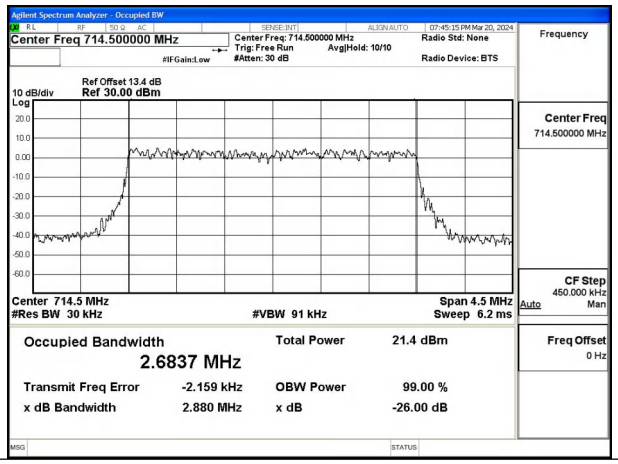


Fig.30