

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 71

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	665.5	133147	5	1	0	22.67
QPSK	665.5	133147	5	1	12	23.33
QPSK	665.5	133147	5	1	24	23.05
QPSK	665.5	133147	5	12	0	22.11
QPSK	665.5	133147	5	12	7	22.33
QPSK	665.5	133147	5	12	13	22.14
QPSK	665.5	133147	5	25	0	22.12
QPSK	680.5	133297	5	1	0	23.93
QPSK	680.5	133297	5	1	12	23.55
QPSK	680.5	133297	5	1	24	23.16
QPSK	680.5	133297	5	12	0	22.70
QPSK	680.5	133297	5	12	7	22.48
QPSK	680.5	133297	5	12	13	22.24
QPSK	680.5	133297	5	25	0	22.48
QPSK	695.5	133447	5	1	0	23.21
QPSK	695.5	133447	5	1	12	22.90
QPSK	695.5	133447	5	1	24	22.75
QPSK	695.5	133447	5	12	0	22.13
QPSK	695.5	133447	5	12	7	21.93
QPSK	695.5	133447	5	12	13	21.74
QPSK	695.5	133447	5	25	0	21.92

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	665.5	133147	5	1	0	21.74
16QAM	665.5	133147	5	1	12	22.44
16QAM	665.5	133147	5	1	24	22.45
16QAM	665.5	133147	5	12	0	21.09
16QAM	665.5	133147	5	12	7	21.31
16QAM	665.5	133147	5	12	13	21.22
16QAM	665.5	133147	5	25	0	21.04
16QAM	680.5	133297	5	1	0	23.38
16QAM	680.5	133297	5	1	12	22.74
16QAM	680.5	133297	5	1	24	21.99
16QAM	680.5	133297	5	12	0	21.73
16QAM	680.5	133297	5	12	7	21.53
16QAM	680.5	133297	5	12	13	21.36
16QAM	680.5	133297	5	25	0	21.54
16QAM	695.5	133447	5	1	0	22.65
16QAM	695.5	133447	5	1	12	21.82
16QAM	695.5	133447	5	1	24	21.78
16QAM	695.5	133447	5	12	0	21.12
16QAM	695.5	133447	5	12	7	21.14
16QAM	695.5	133447	5	12	13	20.77
16QAM	695.5	133447	5	25	0	21.03
64QAM	665.5	133147	5	1	0	21.60
64QAM	665.5	133147	5	1	12	22.40
64QAM	665.5	133147	5	1	24	21.95
64QAM	665.5	133147	5	12	0	21.02
64QAM	665.5	133147	5	12	7	21.24
64QAM	665.5	133147	5	12	13	21.00
64QAM	665.5	133147	5	25	0	21.11
64QAM	680.5	133297	5	1	0	23.34
64QAM	680.5	133297	5	1	12	22.63
64QAM	680.5	133297	5	1	24	22.07
64QAM	680.5	133297	5	12	0	21.69
64QAM	680.5	133297	5	12	7	21.51
64QAM	680.5	133297	5	12	13	21.27
64QAM	680.5	133297	5	25	0	21.49
64QAM	695.5	133447	5	1	0	21.94
64QAM	695.5	133447	5	1	12	22.19
64QAM	695.5	133447	5	1	24	21.62
64QAM	695.5	133447	5	12	0	21.13
64QAM	695.5	133447	5	12	7	21.05
64QAM	695.5	133447	5	12	13	20.80
64QAM	695.5	133447	5	25	0	21.02

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	668	133172	10	1	0	22.52
QPSK	668	133172	10	1	25	22.68
QPSK	668	133172	10	1	49	23.08
QPSK	668	133172	10	25	0	21.89
QPSK	668	133172	10	25	12	21.80
QPSK	668	133172	10	25	25	21.79
QPSK	668	133172	10	50	0	21.85
QPSK	680.5	133297	10	1	0	23.78
QPSK	680.5	133297	10	1	25	23.32
QPSK	680.5	133297	10	1	49	22.94
QPSK	680.5	133297	10	25	0	22.72
QPSK	680.5	133297	10	25	12	22.45
QPSK	680.5	133297	10	25	25	22.11
QPSK	680.5	133297	10	50	0	22.42
QPSK	693	133422	10	1	0	23.21
QPSK	693	133422	10	1	25	23.00
QPSK	693	133422	10	1	49	22.58
QPSK	693	133422	10	25	0	22.25
QPSK	693	133422	10	25	12	22.15
QPSK	693	133422	10	25	25	21.92
QPSK	693	133422	10	50	0	22.07

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	668	133172	10	1	0	21.66
16QAM	668	133172	10	1	25	21.89
16QAM	668	133172	10	1	49	22.61
16QAM	668	133172	10	25	0	20.94
16QAM	668	133172	10	25	12	20.82
16QAM	668	133172	10	25	25	20.87
16QAM	668	133172	10	50	0	20.86
16QAM	680.5	133297	10	1	0	23.04
16QAM	680.5	133297	10	1	25	22.77
16QAM	680.5	133297	10	1	49	22.54
16QAM	680.5	133297	10	25	0	21.75
16QAM	680.5	133297	10	25	12	21.52
16QAM	680.5	133297	10	25	25	21.16
16QAM	680.5	133297	10	50	0	21.49
16QAM	693	133422	10	1	0	21.88
16QAM	693	133422	10	1	25	22.46
16QAM	693	133422	10	1	49	22.00
16QAM	693	133422	10	25	0	21.33
16QAM	693	133422	10	25	12	21.23
16QAM	693	133422	10	25	25	20.97
16QAM	693	133422	10	50	0	21.14
64QAM	668	133172	10	1	0	21.68
64QAM	668	133172	10	1	25	21.48
64QAM	668	133172	10	1	49	22.37
64QAM	668	133172	10	25	0	20.86
64QAM	668	133172	10	25	12	20.82
64QAM	668	133172	10	25	25	20.85
64QAM	668	133172	10	50	0	20.81
64QAM	680.5	133297	10	1	0	22.99
64QAM	680.5	133297	10	1	25	22.60
64QAM	680.5	133297	10	1	49	22.03
64QAM	680.5	133297	10	25	0	21.69
64QAM	680.5	133297	10	25	12	21.46
64QAM	680.5	133297	10	25	25	21.16
64QAM	680.5	133297	10	50	0	21.46
64QAM	693	133422	10	1	0	22.30
64QAM	693	133422	10	1	25	22.51
64QAM	693	133422	10	1	49	21.87
64QAM	693	133422	10	25	0	21.32
64QAM	693	133422	10	25	12	21.22
64QAM	693	133422	10	25	25	20.99
64QAM	693	133422	10	50	0	21.17

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	670.5	133197	15	1	0	22.69
QPSK	670.5	133197	15	1	37	22.70
QPSK	670.5	133197	15	1	74	23.63
QPSK	670.5	133197	15	36	0	21.80
QPSK	670.5	133197	15	36	29	22.10
QPSK	670.5	133197	15	36	30	22.12
QPSK	670.5	133197	15	75	0	22.09
QPSK	680.5	133297	15	1	0	23.44
QPSK	680.5	133297	15	1	37	23.28
QPSK	680.5	133297	15	1	74	22.69
QPSK	680.5	133297	15	36	0	22.67
QPSK	680.5	133297	15	36	29	22.17
QPSK	680.5	133297	15	36	30	22.13
QPSK	680.5	133297	15	75	0	22.37
QPSK	690.5	133397	15	1	0	22.92
QPSK	690.5	133397	15	1	37	23.21
QPSK	690.5	133397	15	1	74	22.57
QPSK	690.5	133397	15	36	0	22.03
QPSK	690.5	133397	15	36	29	22.08
QPSK	690.5	133397	15	36	30	22.09
QPSK	690.5	133397	15	75	0	22.01

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	670.5	133197	15	1	0	22.14
16QAM	670.5	133197	15	1	37	21.86
16QAM	670.5	133197	15	1	74	23.03
16QAM	670.5	133197	15	36	0	20.83
16QAM	670.5	133197	15	36	29	21.15
16QAM	670.5	133197	15	36	30	21.20
16QAM	670.5	133197	15	75	0	21.16
16QAM	680.5	133297	15	1	0	22.59
16QAM	680.5	133297	15	1	37	22.40
16QAM	680.5	133297	15	1	74	22.10
16QAM	680.5	133297	15	36	0	21.71
16QAM	680.5	133297	15	36	29	21.20
16QAM	680.5	133297	15	36	30	21.22
16QAM	680.5	133297	15	75	0	21.36
16QAM	690.5	133397	15	1	0	22.47
16QAM	690.5	133397	15	1	37	22.82
16QAM	690.5	133397	15	1	74	22.06
16QAM	690.5	133397	15	36	0	21.16
16QAM	690.5	133397	15	36	29	21.18
16QAM	690.5	133397	15	36	30	21.17
16QAM	690.5	133397	15	75	0	21.04
64QAM	670.5	133197	15	1	0	21.97
64QAM	670.5	133197	15	1	37	21.97
64QAM	670.5	133197	15	1	74	22.91
64QAM	670.5	133197	15	36	0	20.84
64QAM	670.5	133197	15	36	29	21.11
64QAM	670.5	133197	15	36	30	21.18
64QAM	670.5	133197	15	75	0	21.16
64QAM	680.5	133297	15	1	0	22.62
64QAM	680.5	133297	15	1	37	22.47
64QAM	680.5	133297	15	1	74	21.72
64QAM	680.5	133297	15	36	0	21.68
64QAM	680.5	133297	15	36	29	21.21
64QAM	680.5	133297	15	36	30	21.18
64QAM	680.5	133297	15	75	0	21.40
64QAM	690.5	133397	15	1	0	21.99
64QAM	690.5	133397	15	1	37	22.65
64QAM	690.5	133397	15	1	74	21.89
64QAM	690.5	133397	15	36	0	21.08
64QAM	690.5	133397	15	36	29	21.14
64QAM	690.5	133397	15	36	30	21.15
64QAM	690.5	133397	15	75	0	21.06

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	673	133222	20	1	0	22.86
QPSK	673	133222	20	1	49	23.17
QPSK	673	133222	20	1	99	22.94
QPSK	673	133222	20	50	0	21.84
QPSK	673	133222	20	50	24	22.24
QPSK	673	133222	20	50	50	22.52
QPSK	673	133222	20	100	0	22.17
QPSK	680.5	133297	20	1	0	22.94
QPSK	680.5	133297	20	1	49	23.29
QPSK	680.5	133297	20	1	99	23.11
QPSK	680.5	133297	20	50	0	22.56
QPSK	680.5	133297	20	50	24	22.41
QPSK	680.5	133297	20	50	50	22.03
QPSK	680.5	133297	20	100	0	22.28
QPSK	688	133372	20	1	0	23.63
QPSK	688	133372	20	1	49	23.02
QPSK	688	133372	20	1	99	22.47
QPSK	688	133372	20	50	0	22.12
QPSK	688	133372	20	50	24	22.09
QPSK	688	133372	20	50	50	22.02
QPSK	688	133372	20	100	0	22.04

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	673	133222	20	1	0	22.13
16QAM	673	133222	20	1	49	22.42
16QAM	673	133222	20	1	99	21.88
16QAM	673	133222	20	50	0	20.87
16QAM	673	133222	20	50	24	21.20
16QAM	673	133222	20	50	50	21.58
16QAM	673	133222	20	100	0	21.22
16QAM	680.5	133297	20	1	0	21.92
16QAM	680.5	133297	20	1	49	22.64
16QAM	680.5	133297	20	1	99	22.45
16QAM	680.5	133297	20	50	0	21.59
16QAM	680.5	133297	20	50	24	21.42
16QAM	680.5	133297	20	50	50	21.09
16QAM	680.5	133297	20	100	0	21.29
16QAM	688	133372	20	1	0	22.73
16QAM	688	133372	20	1	49	22.19
16QAM	688	133372	20	1	99	21.48
16QAM	688	133372	20	50	0	21.17
16QAM	688	133372	20	50	24	21.13
16QAM	688	133372	20	50	50	21.10
16QAM	688	133372	20	100	0	21.09
64QAM	673	133222	20	1	0	21.60
64QAM	673	133222	20	1	49	22.36
64QAM	673	133222	20	1	99	22.03
64QAM	673	133222	20	50	0	20.85
64QAM	673	133222	20	50	24	21.27
64QAM	673	133222	20	50	50	21.58
64QAM	673	133222	20	100	0	21.22
64QAM	680.5	133297	20	1	0	22.02
64QAM	680.5	133297	20	1	49	22.00
64QAM	680.5	133297	20	1	99	22.23
64QAM	680.5	133297	20	50	0	21.60
64QAM	680.5	133297	20	50	24	21.48
64QAM	680.5	133297	20	50	50	21.09
64QAM	680.5	133297	20	100	0	21.32
64QAM	688	133372	20	1	0	23.05
64QAM	688	133372	20	1	49	22.04
64QAM	688	133372	20	1	99	21.61
64QAM	688	133372	20	50	0	21.19
64QAM	688	133372	20	50	24	21.10
64QAM	688	133372	20	50	50	21.02
64QAM	688	133372	20	100	0	21.09

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
71	QPSK	665.5	133147	5	25	0	4.462	Fig.1
71	QPSK	680.5	133297	5	25	0	4.459	Fig.2
71	QPSK	695.5	133447	5	25	0	4.449	Fig.3
71	QPSK	668	133172	10	50	0	8.918	Fig.4
71	QPSK	680.5	133297	10	50	0	8.932	Fig.5
71	QPSK	693	133422	10	50	0	8.921	Fig.6
71	QPSK	670.5	133197	15	75	0	13.366	Fig.7
71	QPSK	680.5	133297	15	75	0	13.358	Fig.8
71	QPSK	690.5	133397	15	75	0	13.357	Fig.9
71	QPSK	673	133222	20	100	0	17.824	Fig.10
71	QPSK	680.5	133297	20	100	0	17.717	Fig.11
71	QPSK	688	133372	20	100	0	17.799	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
71	16QAM	665.5	133147	5	25	0	4.466	Fig.13
71	16QAM	680.5	133297	5	25	0	4.452	Fig.14
71	16QAM	695.5	133447	5	25	0	4.460	Fig.15
71	16QAM	668	133172	10	50	0	8.893	Fig.16
71	16QAM	680.5	133297	10	50	0	8.944	Fig.17
71	16QAM	693	133422	10	50	0	8.867	Fig.18
71	16QAM	670.5	133197	15	75	0	13.332	Fig.19
71	16QAM	680.5	133297	15	75	0	13.399	Fig.20
71	16QAM	690.5	133397	15	75	0	13.399	Fig.21
71	16QAM	673	133222	20	100	0	17.862	Fig.22
71	16QAM	680.5	133297	20	100	0	17.784	Fig.23
71	16QAM	688	133372	20	100	0	17.821	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
71	64QAM	665.5	133147	5	25	0	4.478	Fig.25
71	64QAM	680.5	133297	5	25	0	4.462	Fig.26
71	64QAM	695.5	133447	5	25	0	4.468	Fig.27
71	64QAM	668	133172	10	50	0	8.927	Fig.28
71	64QAM	680.5	133297	10	50	0	8.949	Fig.29
71	64QAM	693	133422	10	50	0	8.915	Fig.30
71	64QAM	670.5	133197	15	75	0	13.345	Fig.31
71	64QAM	680.5	133297	15	75	0	13.374	Fig.32
71	64QAM	690.5	133397	15	75	0	13.370	Fig.33
71	64QAM	673	133222	20	100	0	17.799	Fig.34
71	64QAM	680.5	133297	20	100	0	17.852	Fig.35
71	64QAM	688	133372	20	100	0	17.807	Fig.36

Test Mode: QPSK

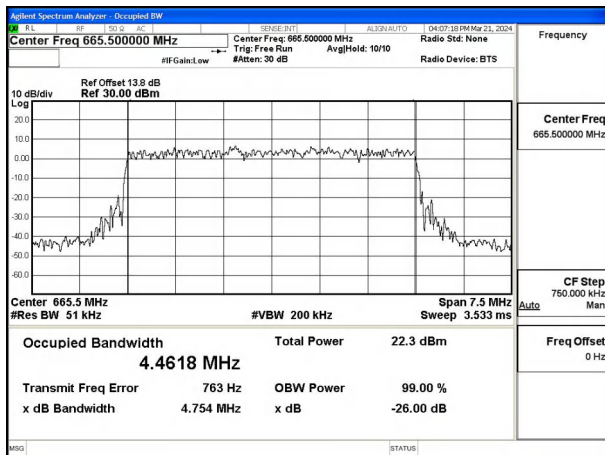


Fig.1

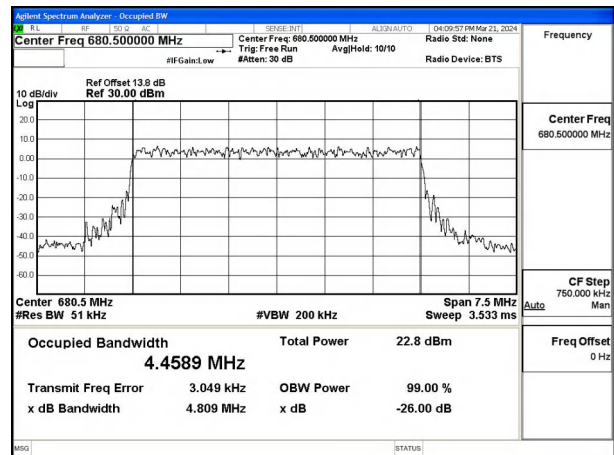


Fig.2

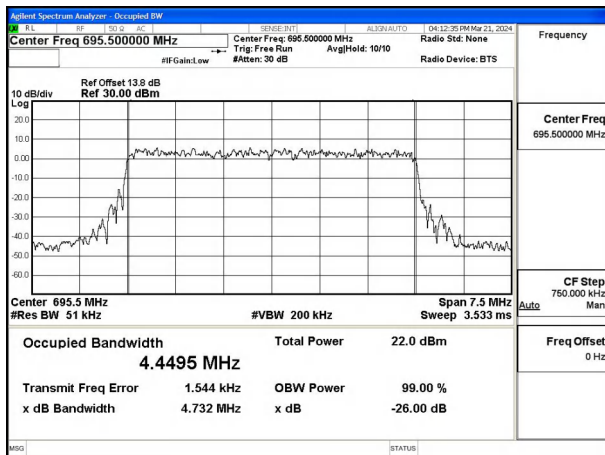


Fig.3

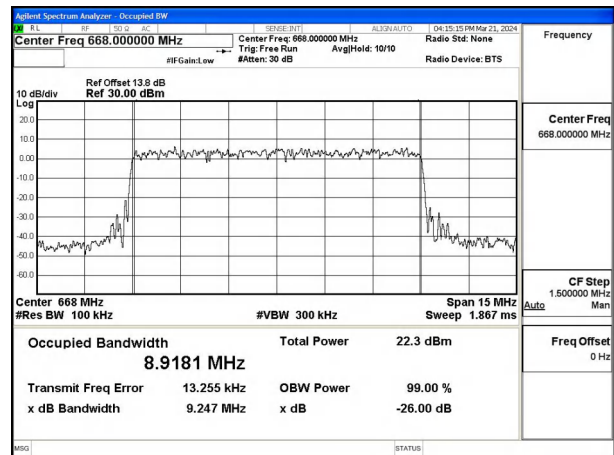


Fig.4

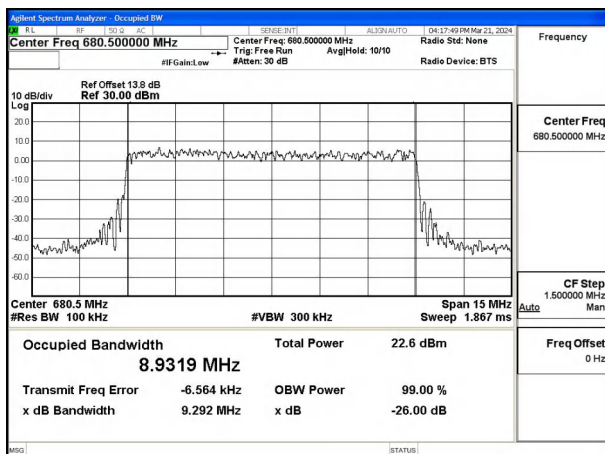


Fig.5

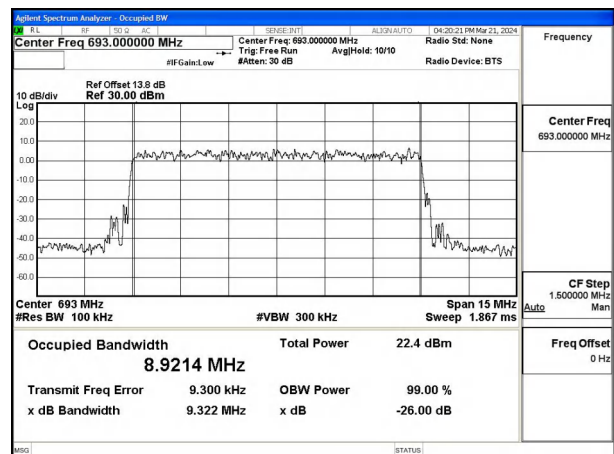


Fig.6

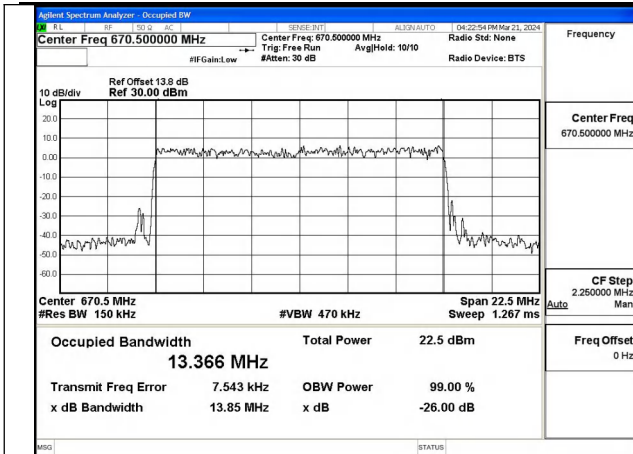


Fig.7

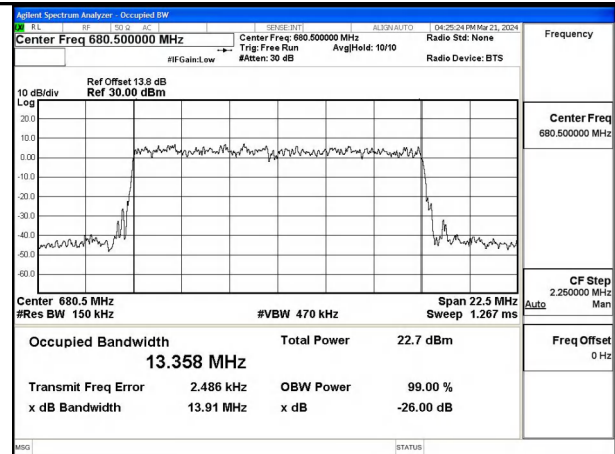


Fig.8

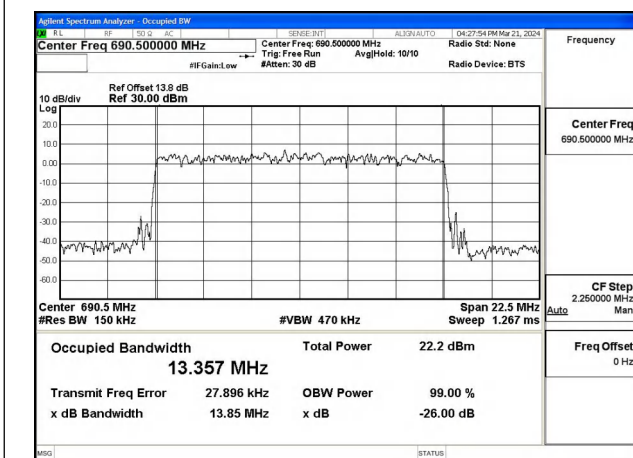


Fig.9

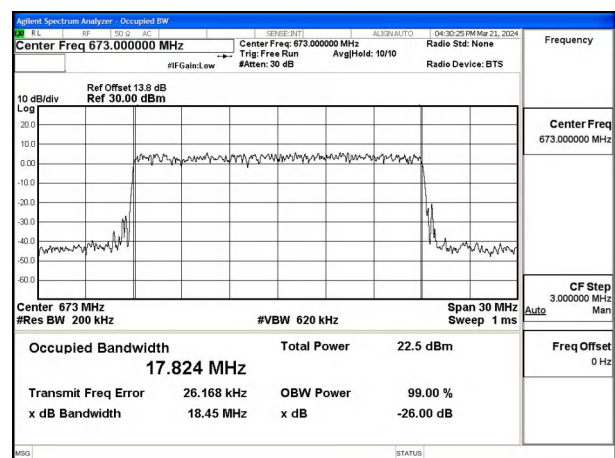


Fig.10

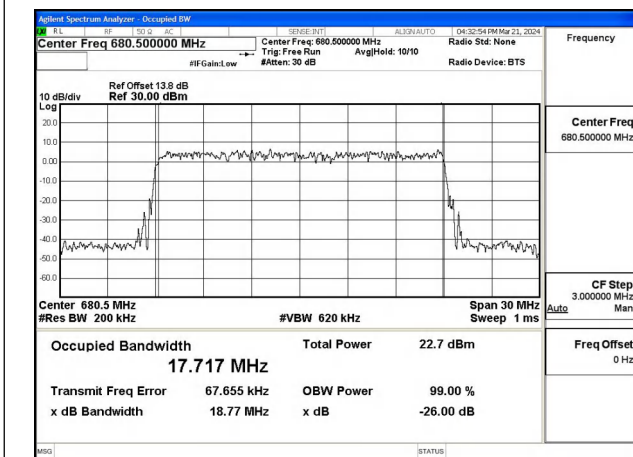


Fig.11

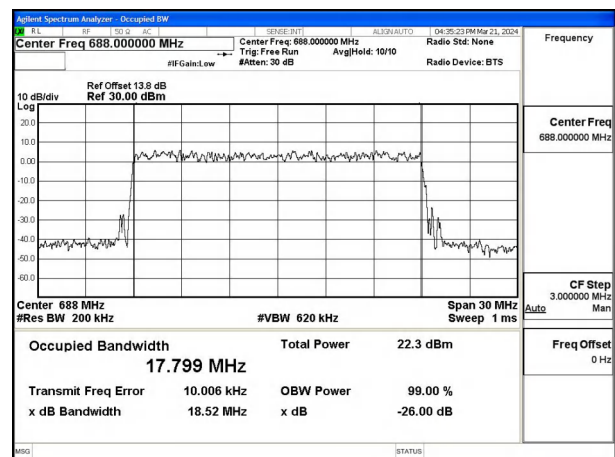


Fig.12

Test Mode: 16QAM

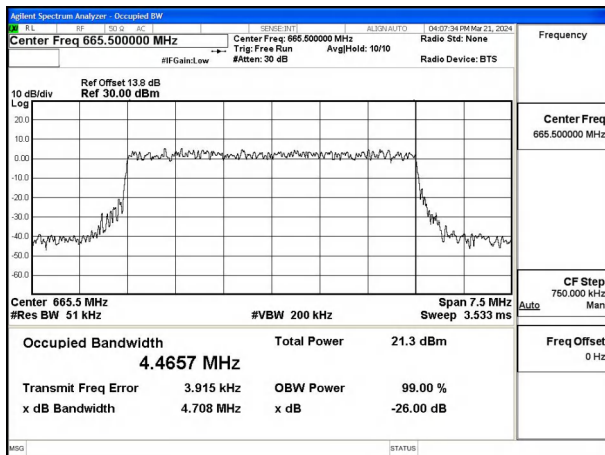


Fig.13

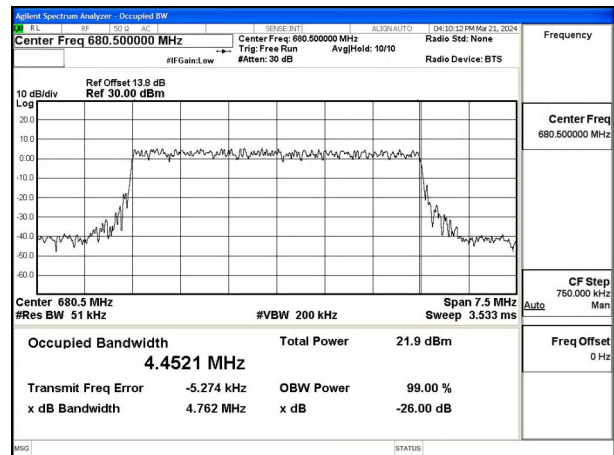


Fig.14

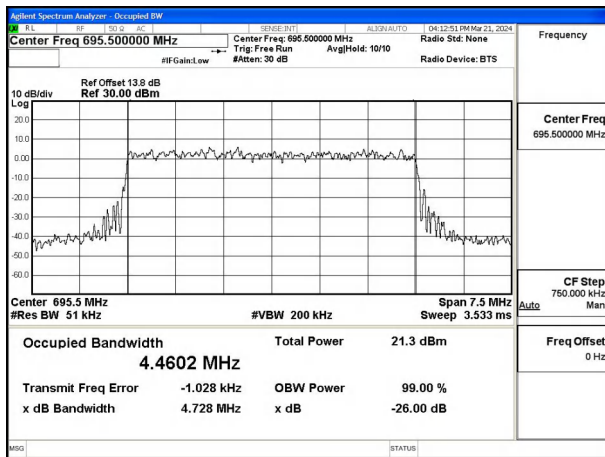


Fig.15

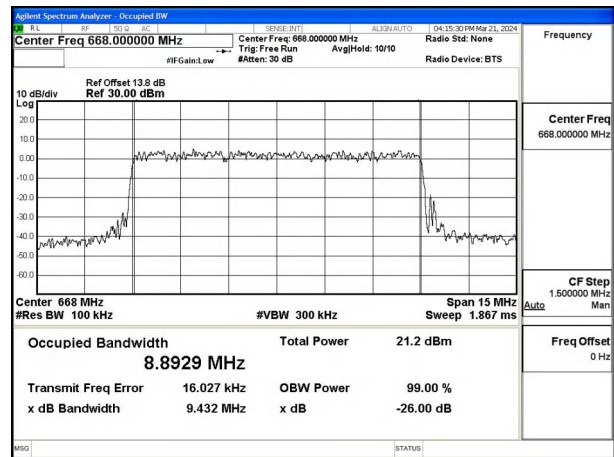


Fig.16

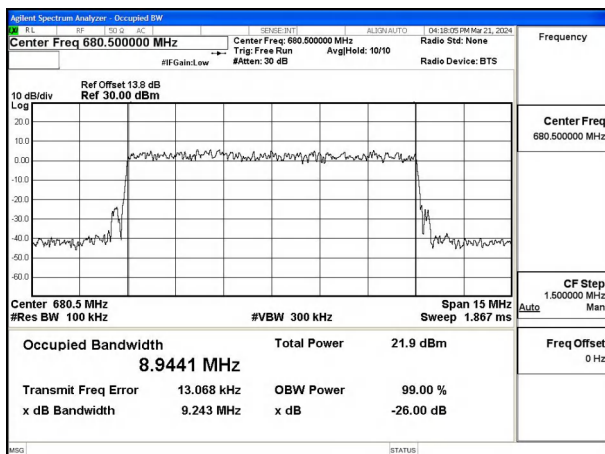


Fig.17

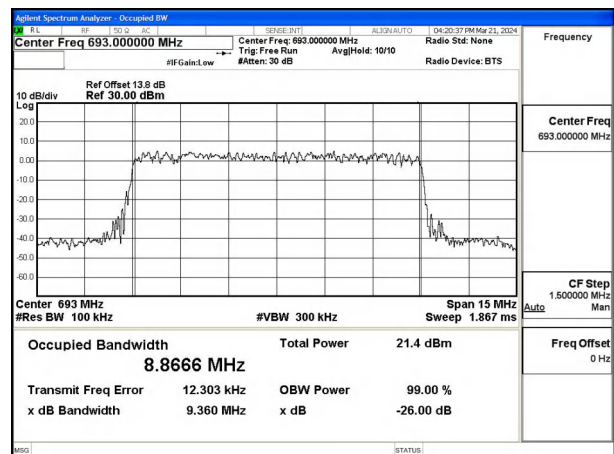


Fig.18

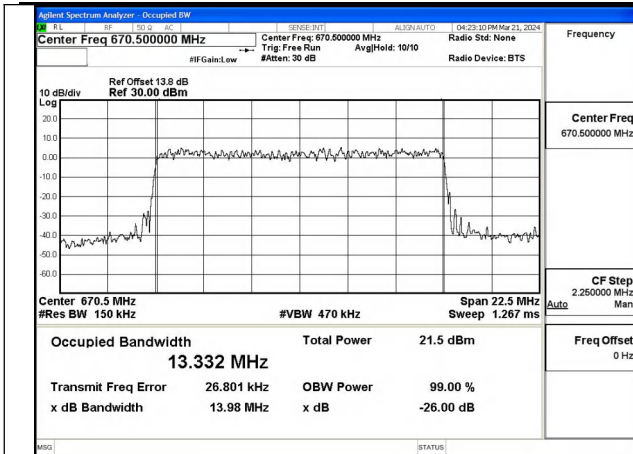


Fig.19

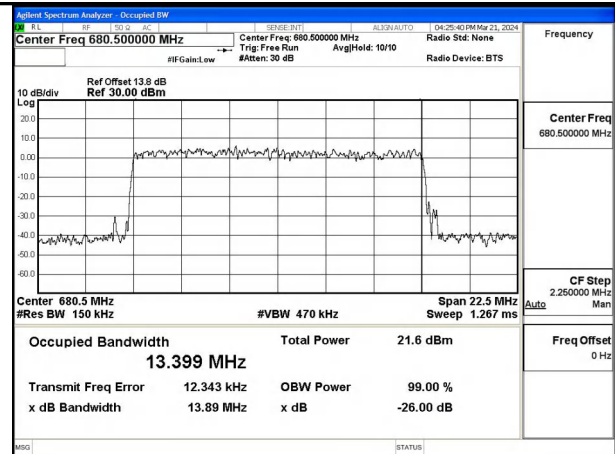


Fig.20

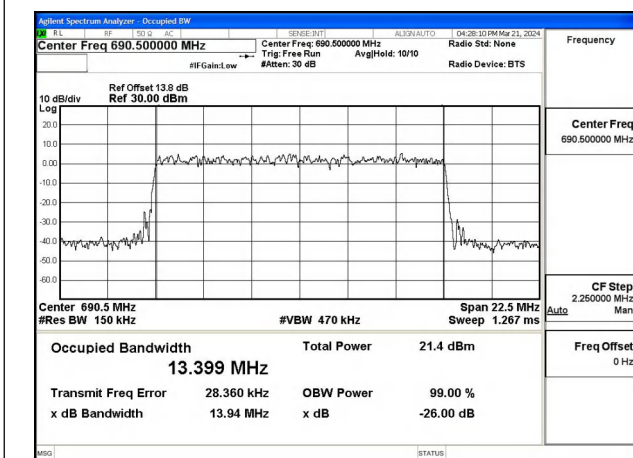


Fig.21

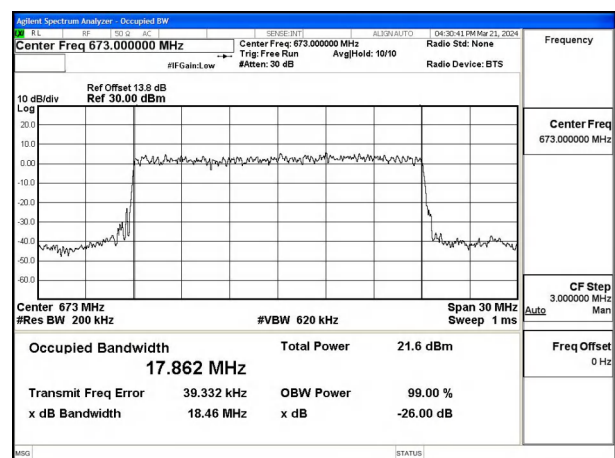


Fig.22

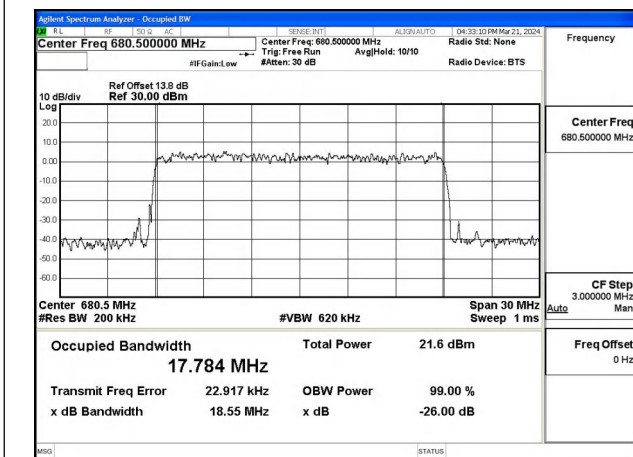


Fig.23

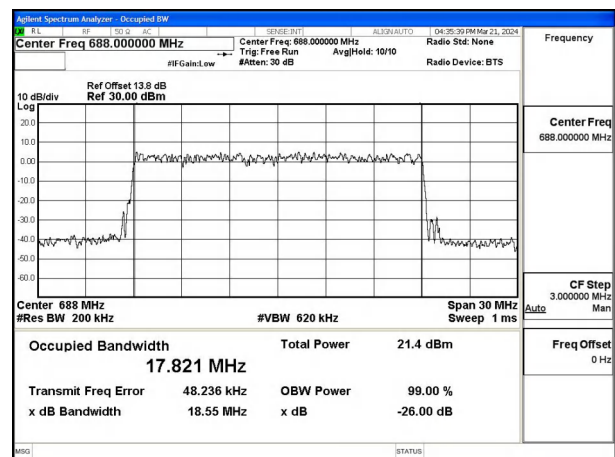


Fig.24

Test Mode: 64QAM

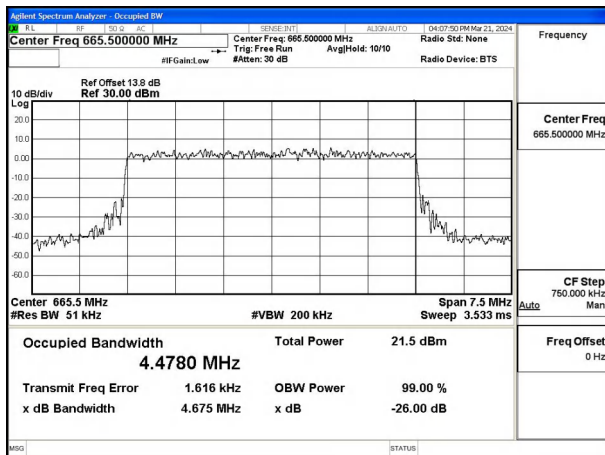


Fig.25

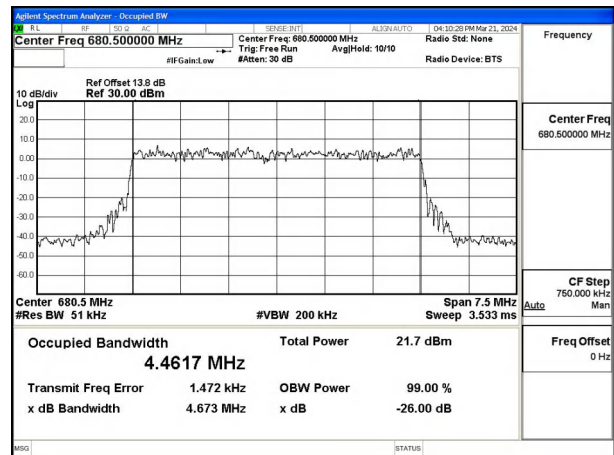


Fig.26

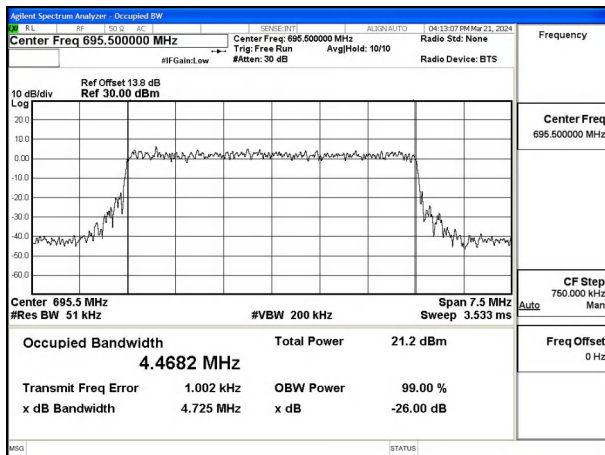


Fig.27

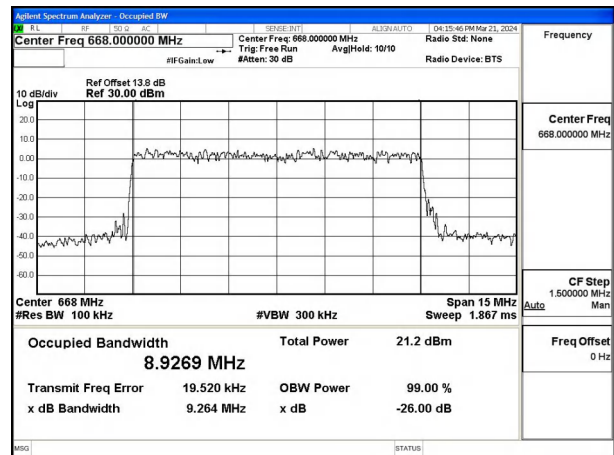


Fig.28

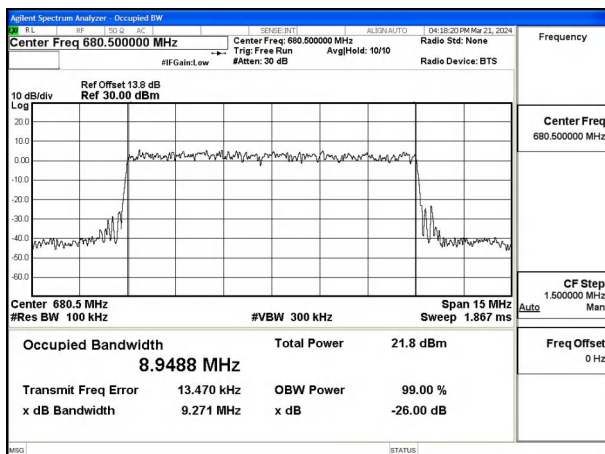


Fig.29

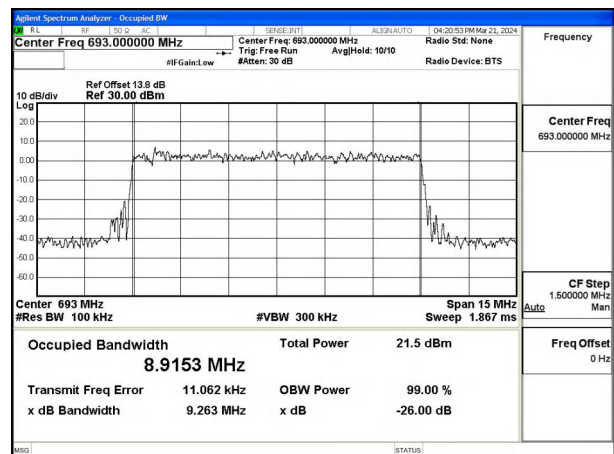


Fig.30

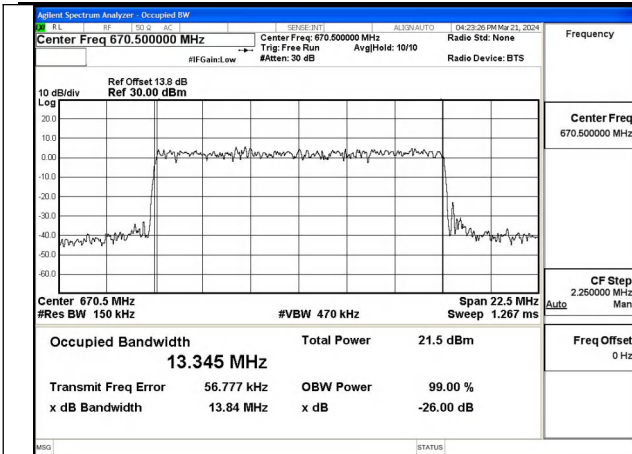


Fig.31

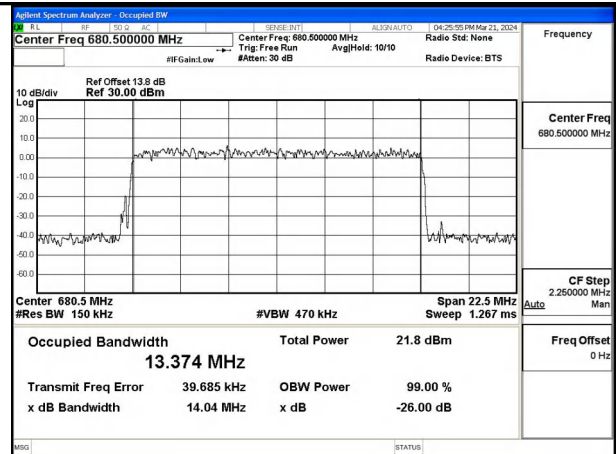


Fig.32

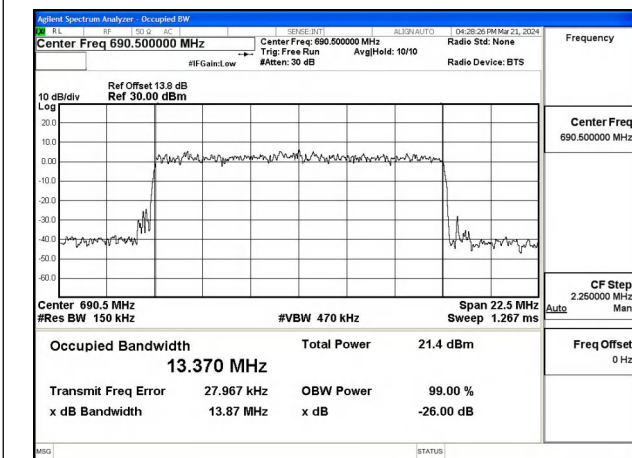


Fig.33

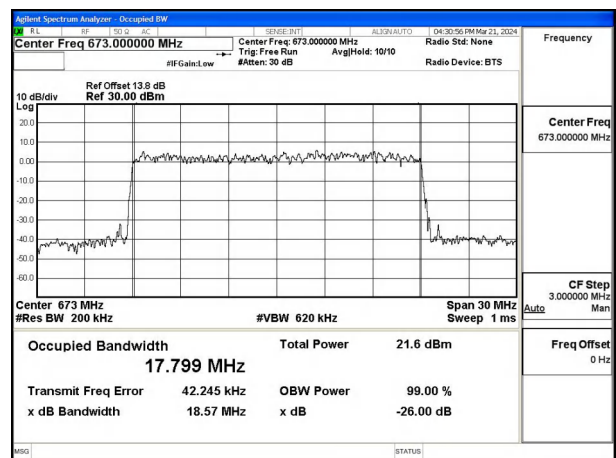


Fig.34

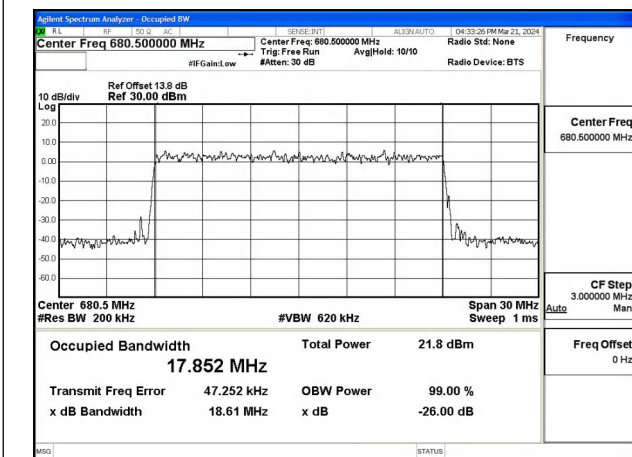


Fig.35

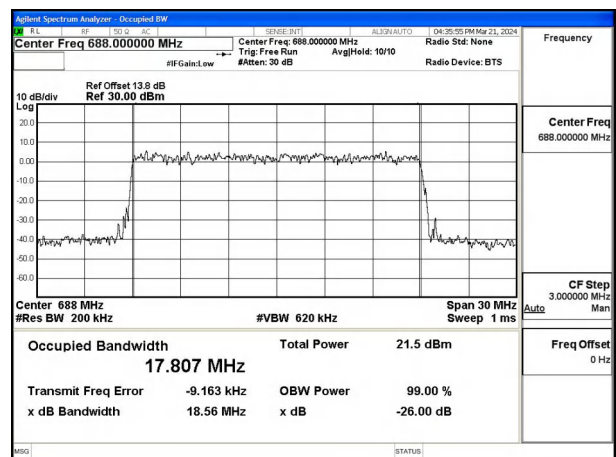


Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
71	QPSK	665.5	133147	5	25	0	4.754	Fig.1
71	QPSK	680.5	133297	5	25	0	4.809	Fig.2
71	QPSK	695.5	133447	5	25	0	4.732	Fig.3
71	QPSK	668	133172	10	50	0	9.247	Fig.4
71	QPSK	680.5	133297	10	50	0	9.292	Fig.5
71	QPSK	693	133422	10	50	0	9.322	Fig.6
71	QPSK	670.5	133197	15	75	0	13.852	Fig.7
71	QPSK	680.5	133297	15	75	0	13.914	Fig.8
71	QPSK	690.5	133397	15	75	0	13.854	Fig.9
71	QPSK	673	133222	20	100	0	18.448	Fig.10
71	QPSK	680.5	133297	20	100	0	18.775	Fig.11
71	QPSK	688	133372	20	100	0	18.524	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
71	16QAM	665.5	133147	5	25	0	4.708	Fig.13
71	16QAM	680.5	133297	5	25	0	4.762	Fig.14
71	16QAM	695.5	133447	5	25	0	4.728	Fig.15
71	16QAM	668	133172	10	50	0	9.432	Fig.16
71	16QAM	680.5	133297	10	50	0	9.243	Fig.17
71	16QAM	693	133422	10	50	0	9.360	Fig.18
71	16QAM	670.5	133197	15	75	0	13.982	Fig.19
71	16QAM	680.5	133297	15	75	0	13.891	Fig.20
71	16QAM	690.5	133397	15	75	0	13.939	Fig.21
71	16QAM	673	133222	20	100	0	18.457	Fig.22
71	16QAM	680.5	133297	20	100	0	18.551	Fig.23
71	16QAM	688	133372	20	100	0	18.552	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
71	64QAM	665.5	133147	5	25	0	4.675	Fig.25
71	64QAM	680.5	133297	5	25	0	4.673	Fig.26
71	64QAM	695.5	133447	5	25	0	4.725	Fig.27
71	64QAM	668	133172	10	50	0	9.264	Fig.28
71	64QAM	680.5	133297	10	50	0	9.271	Fig.29
71	64QAM	693	133422	10	50	0	9.263	Fig.30
71	64QAM	670.5	133197	15	75	0	13.837	Fig.31
71	64QAM	680.5	133297	15	75	0	14.045	Fig.32
71	64QAM	690.5	133397	15	75	0	13.869	Fig.33
71	64QAM	673	133222	20	100	0	18.568	Fig.34
71	64QAM	680.5	133297	20	100	0	18.608	Fig.35
71	64QAM	688	133372	20	100	0	18.556	Fig.36

Test Mode: QPSK

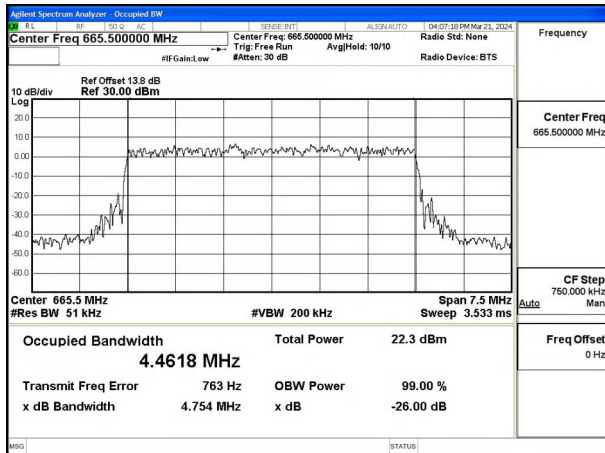


Fig.1

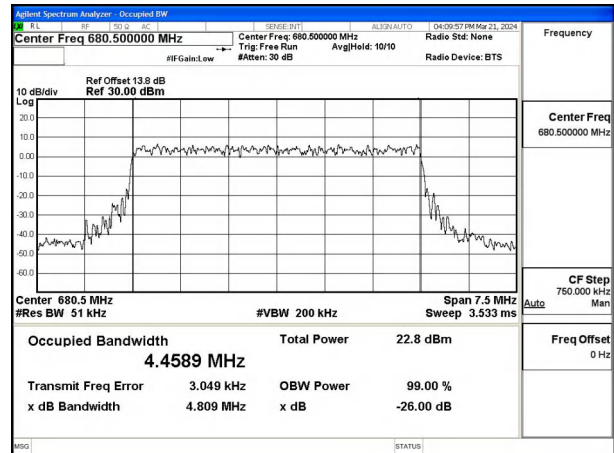


Fig.2

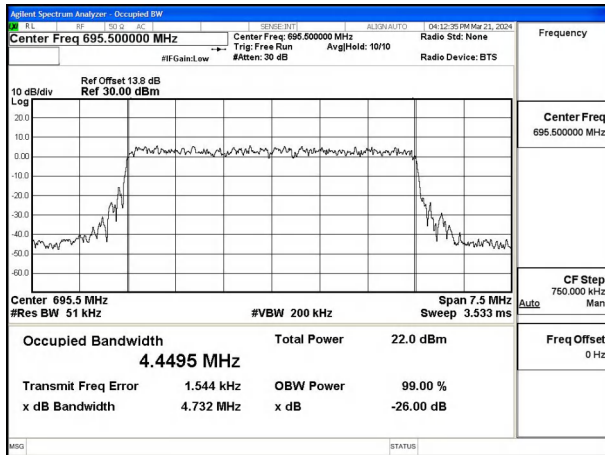


Fig.3

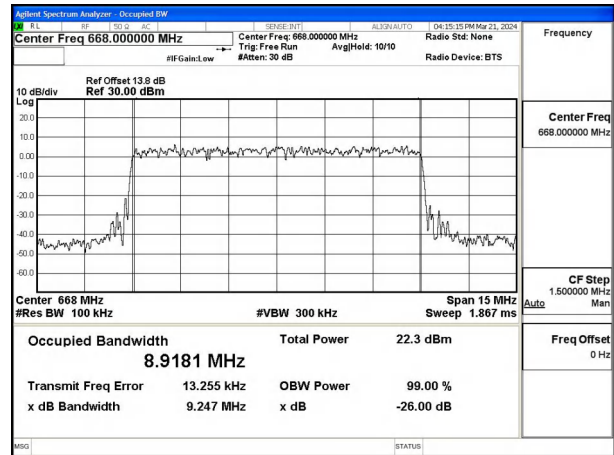


Fig.4

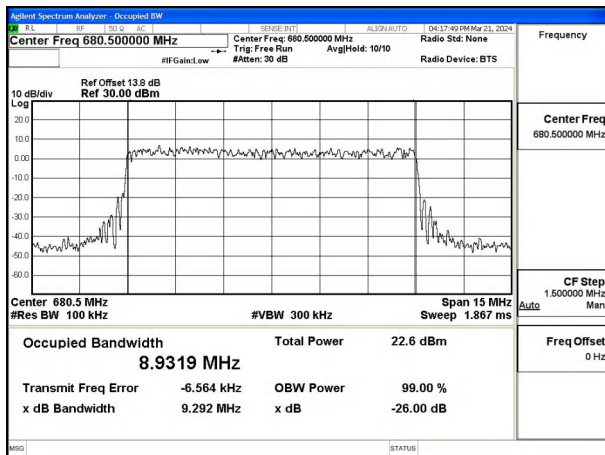


Fig.5

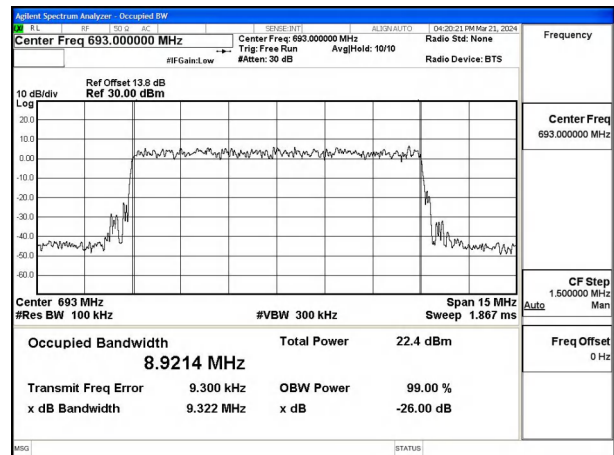


Fig.6

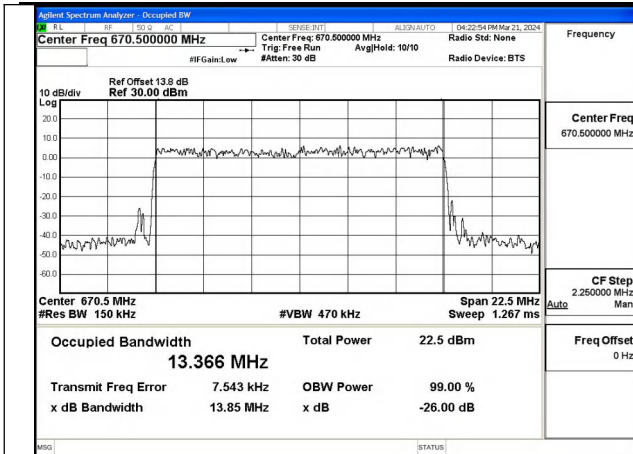


Fig.7

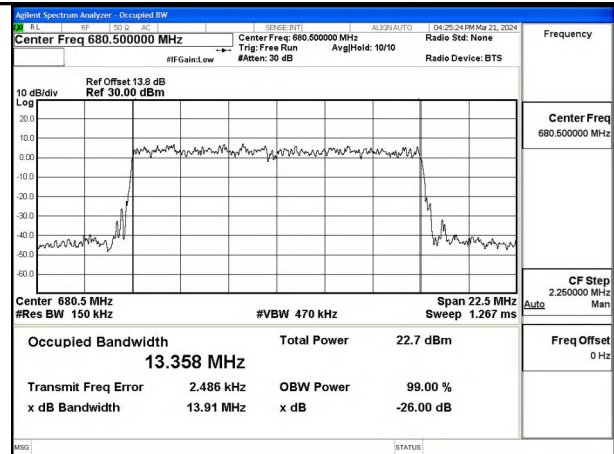


Fig.8

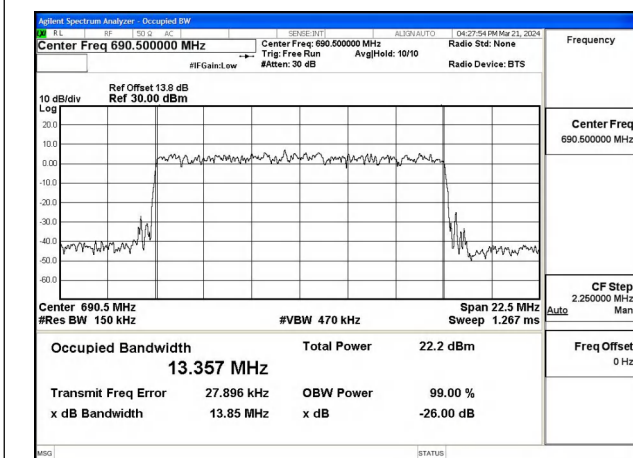


Fig.9

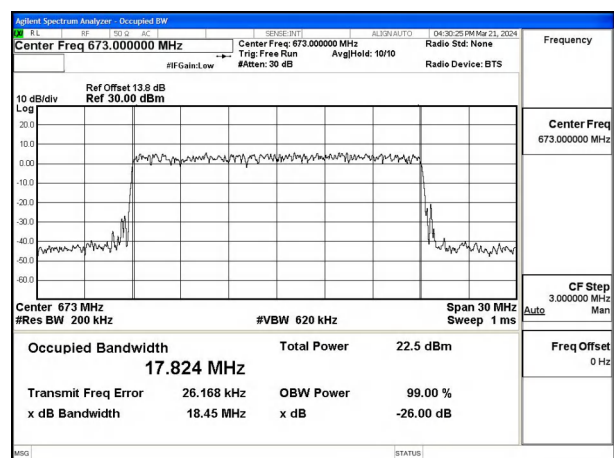


Fig.10

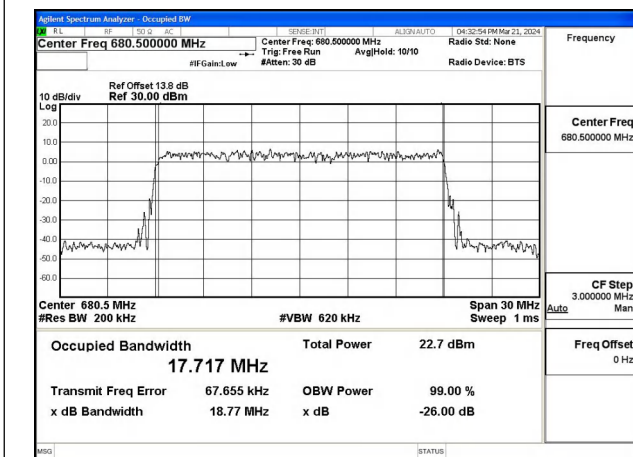


Fig.11

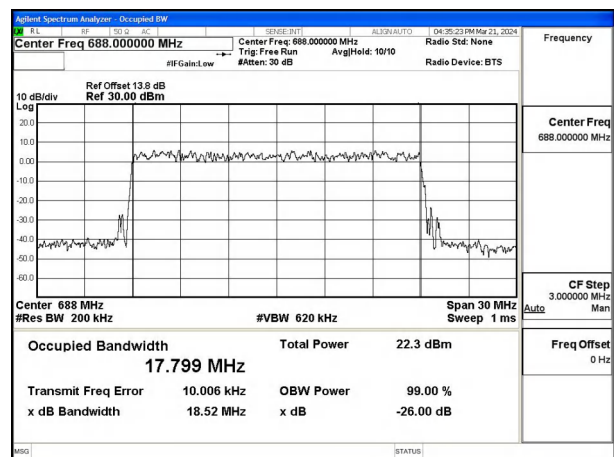


Fig.12

Test Mode: 16QAM

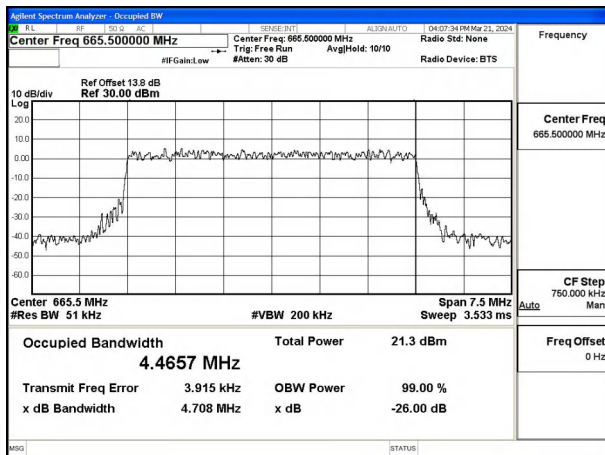


Fig.13

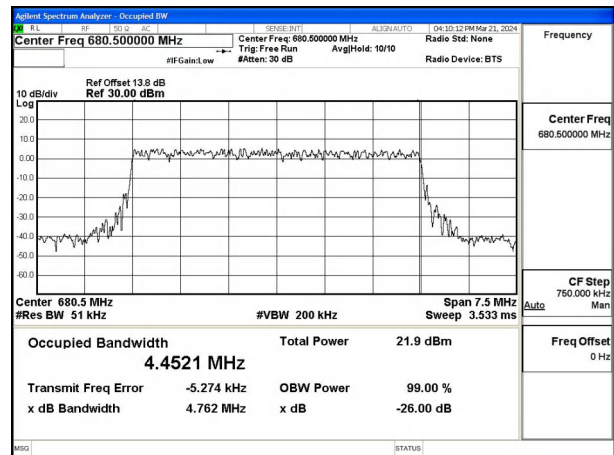


Fig.14

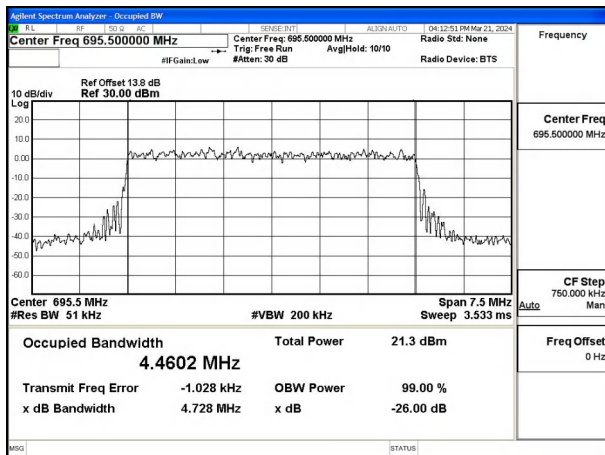


Fig.15

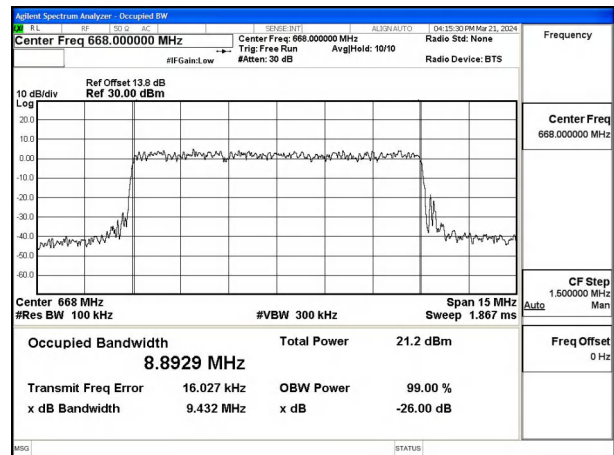


Fig.16

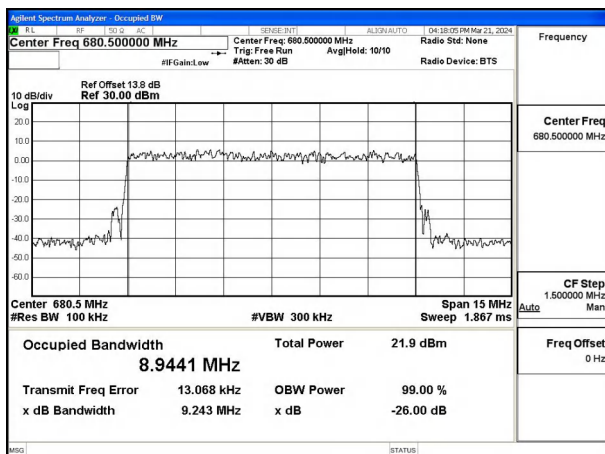


Fig.17

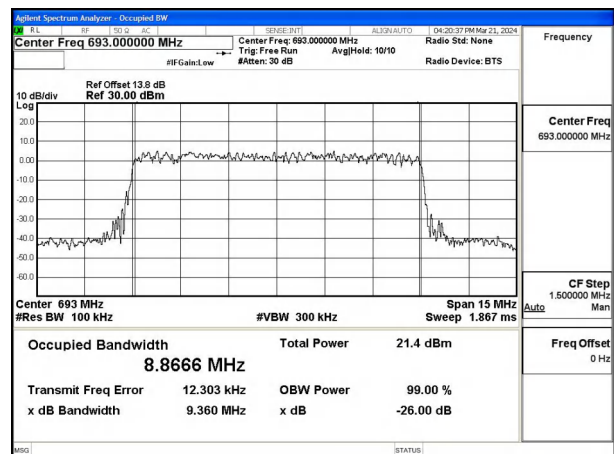


Fig.18

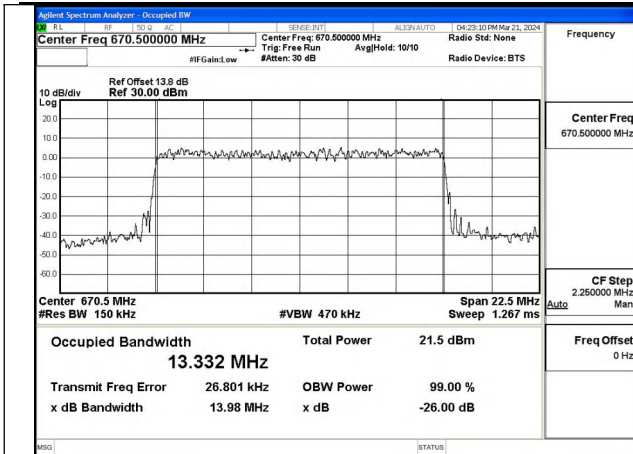


Fig.19

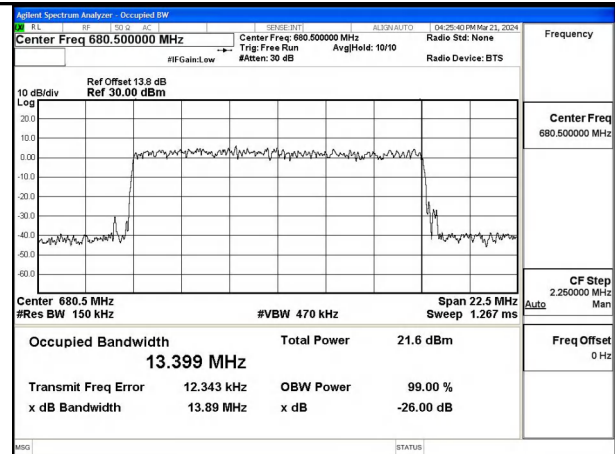


Fig.20

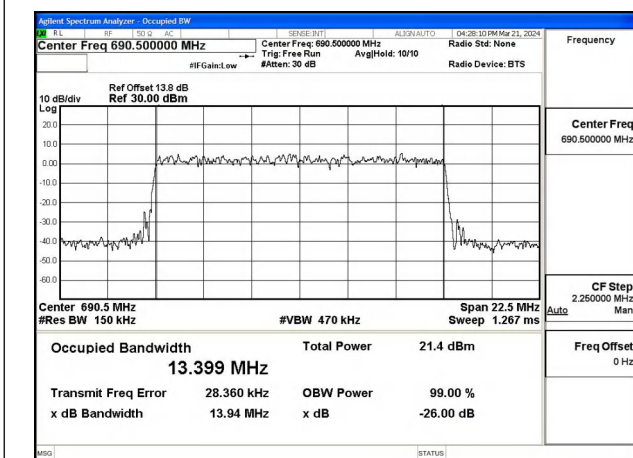


Fig.21

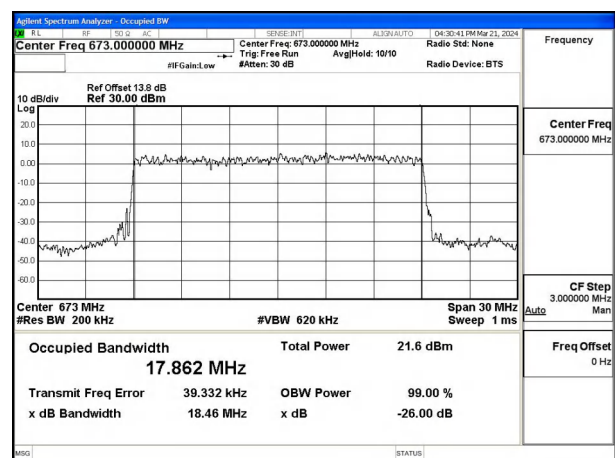


Fig.22

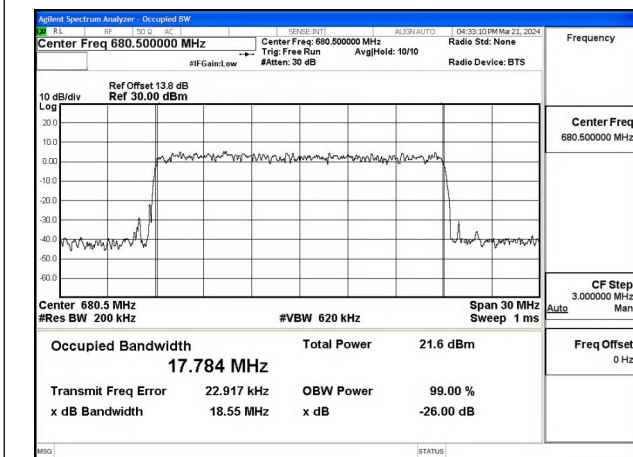


Fig.23

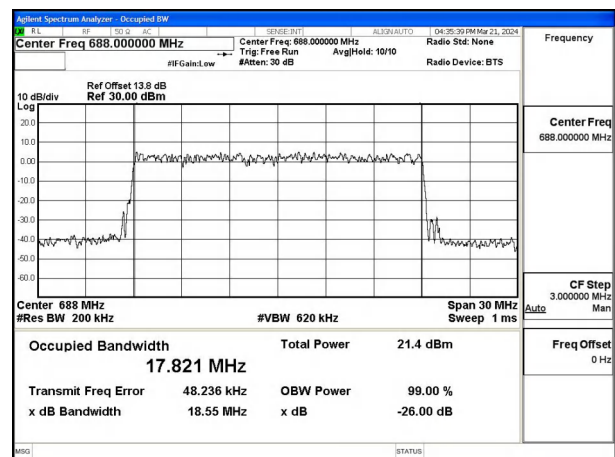


Fig.24

Test Mode: 64QAM

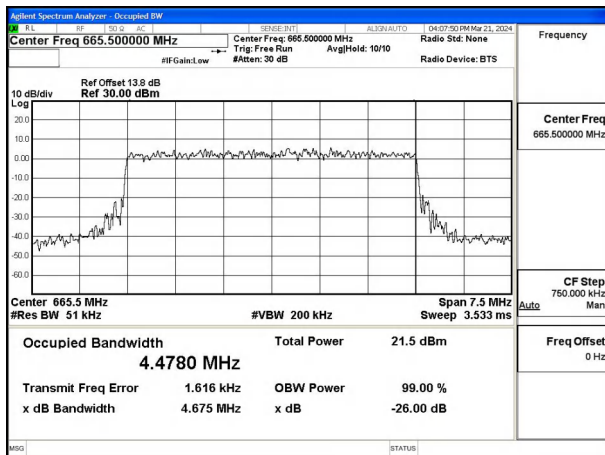


Fig.25

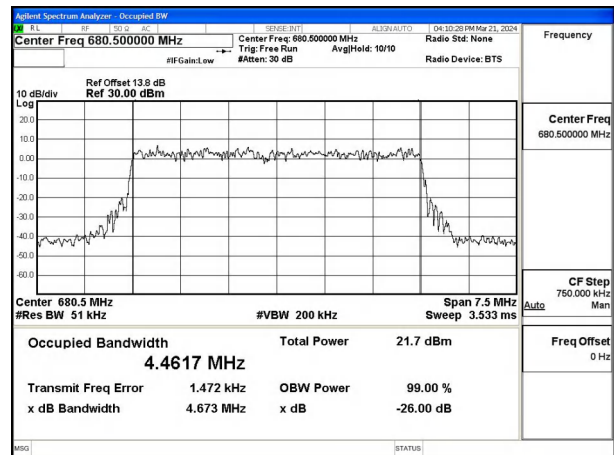


Fig.26

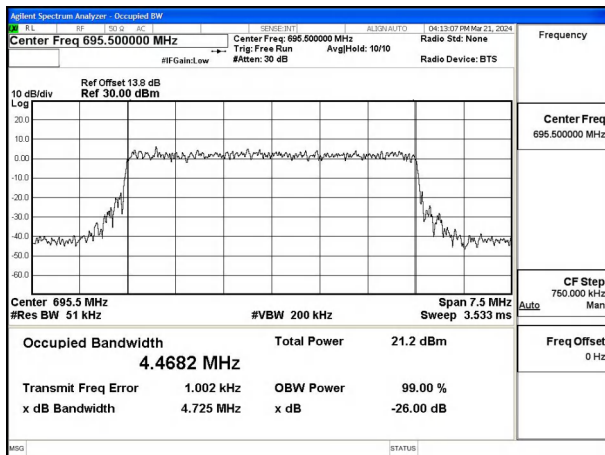


Fig.27

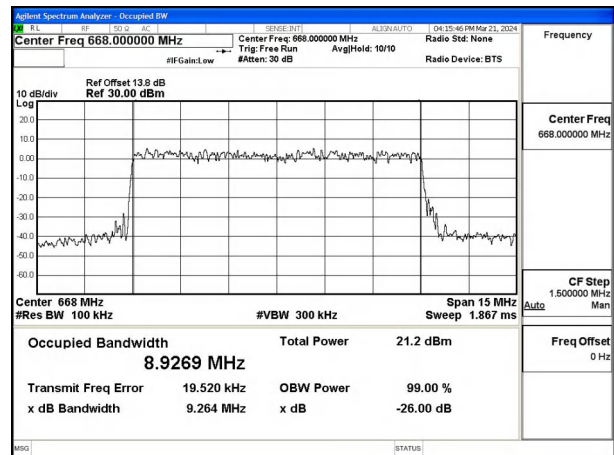


Fig.28

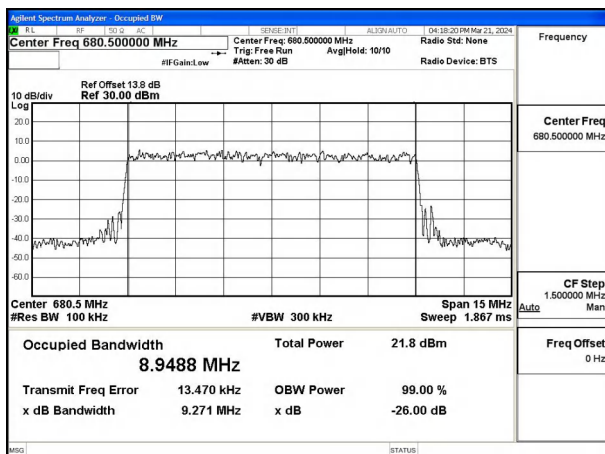


Fig.29

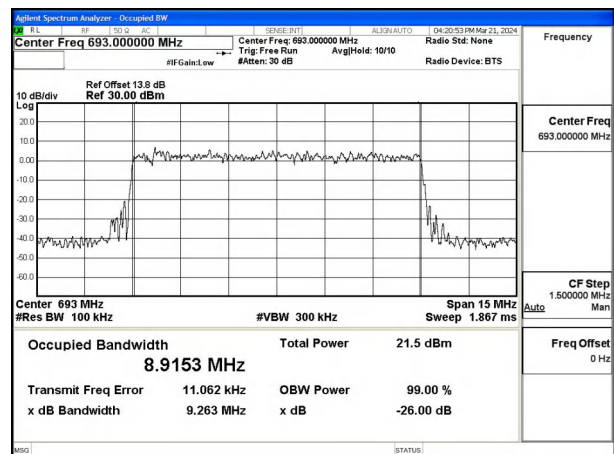


Fig.30