

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 43(3600-3700 MHz)

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3602.5	43615	5	1	0	24.48
QPSK	3602.5	43615	5	1	12	24.15
QPSK	3602.5	43615	5	1	24	24.05
QPSK	3602.5	43615	5	12	0	23.12
QPSK	3602.5	43615	5	12	7	23.12
QPSK	3602.5	43615	5	12	13	23.07
QPSK	3602.5	43615	5	25	0	23.09
QPSK	3650	44090	5	1	0	24.72
QPSK	3650	44090	5	1	12	24.74
QPSK	3650	44090	5	1	24	24.72
QPSK	3650	44090	5	12	0	23.71
QPSK	3650	44090	5	12	7	23.73
QPSK	3650	44090	5	12	13	23.70
QPSK	3650	44090	5	25	0	23.71
QPSK	3697.5	44565	5	1	0	24.79
QPSK	3697.5	44565	5	1	12	24.83
QPSK	3697.5	44565	5	1	24	24.82
QPSK	3697.5	44565	5	12	0	23.79
QPSK	3697.5	44565	5	12	7	23.85
QPSK	3697.5	44565	5	12	13	23.80
QPSK	3697.5	44565	5	25	0	23.81

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3602.5	43615	5	1	0	23.65
16QAM	3602.5	43615	5	1	12	23.53
16QAM	3602.5	43615	5	1	24	23.26
16QAM	3602.5	43615	5	12	0	22.25
16QAM	3602.5	43615	5	12	7	22.09
16QAM	3602.5	43615	5	12	13	22.06
16QAM	3602.5	43615	5	25	0	22.11
16QAM	3650	44090	5	1	0	23.75
16QAM	3650	44090	5	1	12	24.06
16QAM	3650	44090	5	1	24	23.84
16QAM	3650	44090	5	12	0	22.69
16QAM	3650	44090	5	12	7	22.85
16QAM	3650	44090	5	12	13	22.81
16QAM	3650	44090	5	25	0	22.74
16QAM	3697.5	44565	5	1	0	24.06
16QAM	3697.5	44565	5	1	12	24.32
16QAM	3697.5	44565	5	1	24	23.91
16QAM	3697.5	44565	5	12	0	22.77
16QAM	3697.5	44565	5	12	7	22.89
16QAM	3697.5	44565	5	12	13	22.76
16QAM	3697.5	44565	5	25	0	22.85
64QAM	3602.5	43615	5	1	0	23.32
64QAM	3602.5	43615	5	1	12	22.99
64QAM	3602.5	43615	5	1	24	23.03
64QAM	3602.5	43615	5	12	0	22.15
64QAM	3602.5	43615	5	12	7	22.17
64QAM	3602.5	43615	5	12	13	22.10
64QAM	3602.5	43615	5	25	0	22.07
64QAM	3650	44090	5	1	0	23.69
64QAM	3650	44090	5	1	12	23.74
64QAM	3650	44090	5	1	24	23.57
64QAM	3650	44090	5	12	0	22.78
64QAM	3650	44090	5	12	7	22.73
64QAM	3650	44090	5	12	13	22.65
64QAM	3650	44090	5	25	0	22.73
64QAM	3697.5	44565	5	1	0	24.21
64QAM	3697.5	44565	5	1	12	24.24
64QAM	3697.5	44565	5	1	24	24.23
64QAM	3697.5	44565	5	12	0	22.78
64QAM	3697.5	44565	5	12	7	22.77
64QAM	3697.5	44565	5	12	13	22.81
64QAM	3697.5	44565	5	25	0	22.82

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3605	43640	10	1	0	24.13
QPSK	3605	43640	10	1	25	24.13
QPSK	3605	43640	10	1	49	24.09
QPSK	3605	43640	10	25	0	23.23
QPSK	3605	43640	10	25	12	23.22
QPSK	3605	43640	10	25	25	23.22
QPSK	3605	43640	10	50	0	23.23
QPSK	3650	44090	10	1	0	24.68
QPSK	3650	44090	10	1	25	24.72
QPSK	3650	44090	10	1	49	24.67
QPSK	3650	44090	10	25	0	23.80
QPSK	3650	44090	10	25	12	23.76
QPSK	3650	44090	10	25	25	23.79
QPSK	3650	44090	10	50	0	23.81
QPSK	3695	44540	10	1	0	24.74
QPSK	3695	44540	10	1	25	24.79
QPSK	3695	44540	10	1	49	24.76
QPSK	3695	44540	10	25	0	23.86
QPSK	3695	44540	10	25	12	23.88
QPSK	3695	44540	10	25	25	23.91
QPSK	3695	44540	10	50	0	23.88

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3605	43640	10	1	0	23.61
16QAM	3605	43640	10	1	25	23.40
16QAM	3605	43640	10	1	49	23.47
16QAM	3605	43640	10	25	0	22.25
16QAM	3605	43640	10	25	12	22.20
16QAM	3605	43640	10	25	25	22.34
16QAM	3605	43640	10	50	0	22.27
16QAM	3650	44090	10	1	0	24.16
16QAM	3650	44090	10	1	25	24.02
16QAM	3650	44090	10	1	49	24.11
16QAM	3650	44090	10	25	0	22.83
16QAM	3650	44090	10	25	12	22.79
16QAM	3650	44090	10	25	25	22.81
16QAM	3650	44090	10	50	0	22.79
16QAM	3695	44540	10	1	0	24.33
16QAM	3695	44540	10	1	25	24.35
16QAM	3695	44540	10	1	49	24.37
16QAM	3695	44540	10	25	0	22.92
16QAM	3695	44540	10	25	12	22.87
16QAM	3695	44540	10	25	25	22.95
16QAM	3695	44540	10	50	0	22.89
64QAM	3605	43640	10	1	0	23.49
64QAM	3605	43640	10	1	25	23.34
64QAM	3605	43640	10	1	49	23.30
64QAM	3605	43640	10	25	0	22.21
64QAM	3605	43640	10	25	12	22.19
64QAM	3605	43640	10	25	25	22.21
64QAM	3605	43640	10	50	0	22.27
64QAM	3650	44090	10	1	0	23.73
64QAM	3650	44090	10	1	25	24.18
64QAM	3650	44090	10	1	49	23.71
64QAM	3650	44090	10	25	0	22.82
64QAM	3650	44090	10	25	12	22.68
64QAM	3650	44090	10	25	25	22.84
64QAM	3650	44090	10	50	0	22.82
64QAM	3695	44540	10	1	0	23.70
64QAM	3695	44540	10	1	25	24.09
64QAM	3695	44540	10	1	49	23.90
64QAM	3695	44540	10	25	0	22.90
64QAM	3695	44540	10	25	12	22.89
64QAM	3695	44540	10	25	25	22.79
64QAM	3695	44540	10	50	0	22.89

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3607.5	43665	15	1	0	24.15
QPSK	3607.5	43665	15	1	37	24.13
QPSK	3607.5	43665	15	1	74	24.20
QPSK	3607.5	43665	15	36	0	23.16
QPSK	3607.5	43665	15	36	29	23.14
QPSK	3607.5	43665	15	36	30	23.14
QPSK	3607.5	43665	15	75	0	23.16
QPSK	3650	44090	15	1	0	25.07
QPSK	3650	44090	15	1	37	25.08
QPSK	3650	44090	15	1	74	25.03
QPSK	3650	44090	15	36	0	24.08
QPSK	3650	44090	15	36	29	24.04
QPSK	3650	44090	15	36	30	24.03
QPSK	3650	44090	15	75	0	24.05
QPSK	3692.5	44515	15	1	0	24.83
QPSK	3692.5	44515	15	1	37	24.85
QPSK	3692.5	44515	15	1	74	24.91
QPSK	3692.5	44515	15	36	0	23.92
QPSK	3692.5	44515	15	36	29	23.94
QPSK	3692.5	44515	15	36	30	23.95
QPSK	3692.5	44515	15	75	0	23.95

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3607.5	43665	15	1	0	23.48
16QAM	3607.5	43665	15	1	37	23.64
16QAM	3607.5	43665	15	1	74	23.52
16QAM	3607.5	43665	15	36	0	22.18
16QAM	3607.5	43665	15	36	29	22.22
16QAM	3607.5	43665	15	36	30	22.15
16QAM	3607.5	43665	15	75	0	22.15
16QAM	3650	44090	15	1	0	23.85
16QAM	3650	44090	15	1	37	24.23
16QAM	3650	44090	15	1	74	24.17
16QAM	3650	44090	15	36	0	23.01
16QAM	3650	44090	15	36	29	22.99
16QAM	3650	44090	15	36	30	22.99
16QAM	3650	44090	15	75	0	23.04
16QAM	3692.5	44515	15	1	0	23.99
16QAM	3692.5	44515	15	1	37	24.40
16QAM	3692.5	44515	15	1	74	24.02
16QAM	3692.5	44515	15	36	0	22.95
16QAM	3692.5	44515	15	36	29	22.97
16QAM	3692.5	44515	15	36	30	22.98
16QAM	3692.5	44515	15	75	0	23.00
64QAM	3607.5	43665	15	1	0	23.00
64QAM	3607.5	43665	15	1	37	23.19
64QAM	3607.5	43665	15	1	74	23.27
64QAM	3607.5	43665	15	36	0	22.21
64QAM	3607.5	43665	15	36	29	22.10
64QAM	3607.5	43665	15	36	30	22.14
64QAM	3607.5	43665	15	75	0	22.18
64QAM	3650	44090	15	1	0	23.19
64QAM	3650	44090	15	1	37	23.24
64QAM	3650	44090	15	1	74	23.22
64QAM	3650	44090	15	36	0	22.04
64QAM	3650	44090	15	36	29	22.01
64QAM	3650	44090	15	36	30	22.01
64QAM	3650	44090	15	75	0	22.01
64QAM	3692.5	44515	15	1	0	22.73
64QAM	3692.5	44515	15	1	37	23.64
64QAM	3692.5	44515	15	1	74	22.96
64QAM	3692.5	44515	15	36	0	21.99
64QAM	3692.5	44515	15	36	29	22.06
64QAM	3692.5	44515	15	36	30	21.95
64QAM	3692.5	44515	15	75	0	21.95

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3610	43690	20	1	0	24.25
QPSK	3610	43690	20	1	49	24.24
QPSK	3610	43690	20	1	99	24.39
QPSK	3610	43690	20	50	0	23.36
QPSK	3610	43690	20	50	24	23.33
QPSK	3610	43690	20	50	50	23.44
QPSK	3610	43690	20	100	0	23.40
QPSK	3650	44090	20	1	0	24.74
QPSK	3650	44090	20	1	49	24.77
QPSK	3650	44090	20	1	99	24.76
QPSK	3650	44090	20	50	0	23.90
QPSK	3650	44090	20	50	24	23.85
QPSK	3650	44090	20	50	50	23.90
QPSK	3650	44090	20	100	0	23.91
QPSK	3690	44490	20	1	0	24.86
QPSK	3690	44490	20	1	49	24.89
QPSK	3690	44490	20	1	99	24.93
QPSK	3690	44490	20	50	0	23.95
QPSK	3690	44490	20	50	24	23.92
QPSK	3690	44490	20	50	50	24.01
QPSK	3690	44490	20	100	0	23.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3610	43690	20	1	0	23.65
16QAM	3610	43690	20	1	49	23.79
16QAM	3610	43690	20	1	99	23.81
16QAM	3610	43690	20	50	0	22.38
16QAM	3610	43690	20	50	24	22.39
16QAM	3610	43690	20	50	50	22.50
16QAM	3610	43690	20	100	0	22.41
16QAM	3650	44090	20	1	0	23.89
16QAM	3650	44090	20	1	49	24.05
16QAM	3650	44090	20	1	99	24.36
16QAM	3650	44090	20	50	0	22.92
16QAM	3650	44090	20	50	24	22.82
16QAM	3650	44090	20	50	50	22.93
16QAM	3650	44090	20	100	0	22.91
16QAM	3690	44490	20	1	0	24.10
16QAM	3690	44490	20	1	49	24.16
16QAM	3690	44490	20	1	99	24.21
16QAM	3690	44490	20	50	0	22.93
16QAM	3690	44490	20	50	24	22.98
16QAM	3690	44490	20	50	50	23.04
16QAM	3690	44490	20	100	0	22.98
64QAM	3610	43690	20	1	0	22.06
64QAM	3610	43690	20	1	49	22.34
64QAM	3610	43690	20	1	99	22.93
64QAM	3610	43690	20	50	0	21.33
64QAM	3610	43690	20	50	24	21.38
64QAM	3610	43690	20	50	50	21.39
64QAM	3610	43690	20	100	0	21.45
64QAM	3650	44090	20	1	0	22.92
64QAM	3650	44090	20	1	49	23.09
64QAM	3650	44090	20	1	99	23.24
64QAM	3650	44090	20	50	0	21.94
64QAM	3650	44090	20	50	24	21.81
64QAM	3650	44090	20	50	50	21.90
64QAM	3650	44090	20	100	0	21.95
64QAM	3690	44490	20	1	0	23.04
64QAM	3690	44490	20	1	49	22.72
64QAM	3690	44490	20	1	99	23.24
64QAM	3690	44490	20	50	0	21.97
64QAM	3690	44490	20	50	24	21.95
64QAM	3690	44490	20	50	50	22.03
64QAM	3690	44490	20	100	0	22.03

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
43	QPSK	3602.5	43615	5	25	0	4.452	Fig.1
43	QPSK	3650	44090	5	25	0	4.455	Fig.2
43	QPSK	3697.5	44565	5	25	0	4.473	Fig.3
43	QPSK	3605	43640	10	50	0	8.807	Fig.4
43	QPSK	3650	44090	10	50	0	8.920	Fig.5
43	QPSK	3695	44540	10	50	0	8.972	Fig.6
43	QPSK	3607.5	43665	15	75	0	13.367	Fig.7
43	QPSK	3650	44090	15	75	0	13.221	Fig.8
43	QPSK	3692.5	44515	15	75	0	13.353	Fig.9
43	QPSK	3610	43690	20	100	0	17.892	Fig.10
43	QPSK	3650	44090	20	100	0	17.857	Fig.11
43	QPSK	3690	44490	20	100	0	17.822	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
43	16QAM	3602.5	43615	5	25	0	4.470	Fig.13
43	16QAM	3650	44090	5	25	0	4.461	Fig.14
43	16QAM	3697.5	44565	5	25	0	4.445	Fig.15
43	16QAM	3605	43640	10	50	0	8.915	Fig.16
43	16QAM	3650	44090	10	50	0	8.884	Fig.17
43	16QAM	3695	44540	10	50	0	8.820	Fig.18
43	16QAM	3607.5	43665	15	75	0	13.396	Fig.19
43	16QAM	3650	44090	15	75	0	13.375	Fig.20
43	16QAM	3692.5	44515	15	75	0	13.480	Fig.21
43	16QAM	3610	43690	20	100	0	17.878	Fig.22
43	16QAM	3650	44090	20	100	0	17.914	Fig.23
43	16QAM	3690	44490	20	100	0	17.833	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
43	64QAM	3602.5	43615	5	25	0	4.423	Fig.25
43	64QAM	3650	44090	5	25	0	4.453	Fig.26
43	64QAM	3697.5	44565	5	25	0	4.475	Fig.27
43	64QAM	3605	43640	10	50	0	8.934	Fig.28
43	64QAM	3650	44090	10	50	0	8.761	Fig.29
43	64QAM	3695	44540	10	50	0	8.876	Fig.30
43	64QAM	3607.5	43665	15	75	0	13.392	Fig.31
43	64QAM	3650	44090	15	75	0	13.366	Fig.32
43	64QAM	3692.5	44515	15	75	0	13.292	Fig.33
43	64QAM	3610	43690	20	100	0	17.845	Fig.34
43	64QAM	3650	44090	20	100	0	17.742	Fig.35
43	64QAM	3690	44490	20	100	0	17.745	Fig.36

Test Mode: QPSK

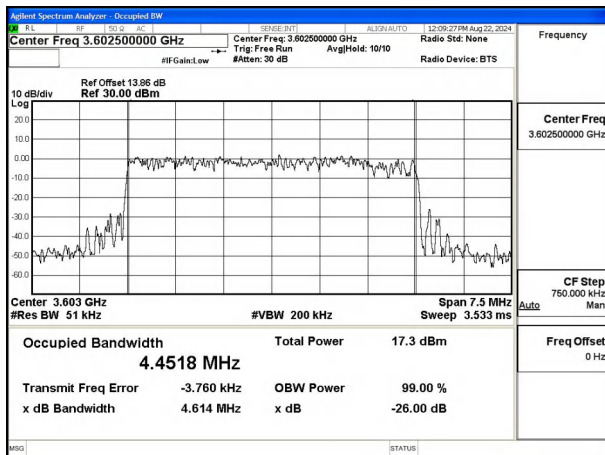


Fig.1

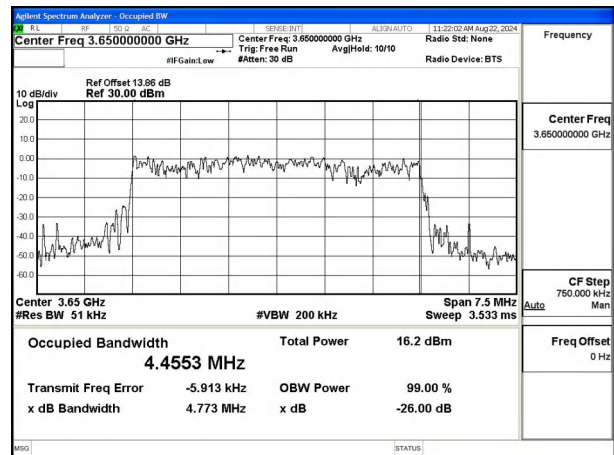


Fig.2

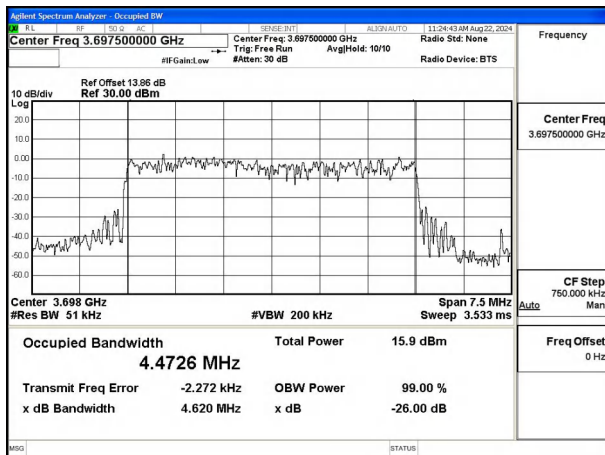


Fig.3

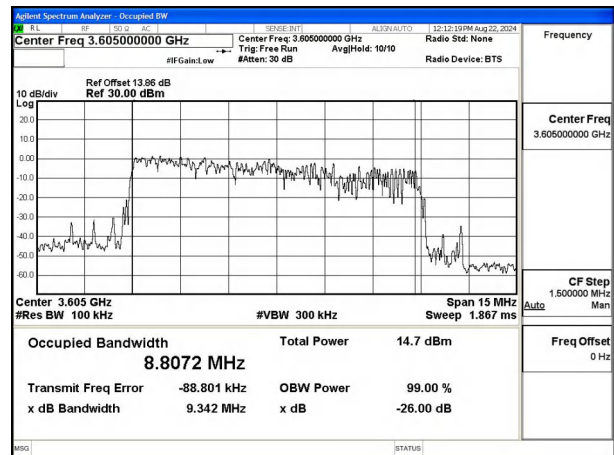


Fig.4

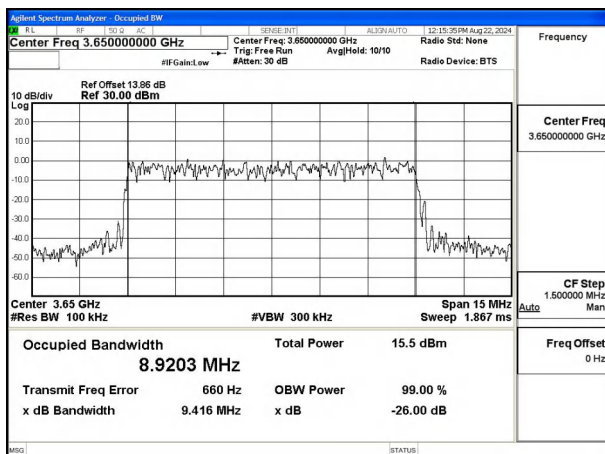


Fig.5

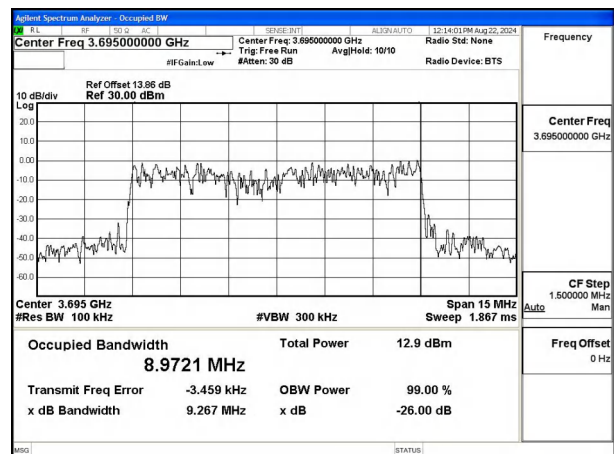


Fig.6

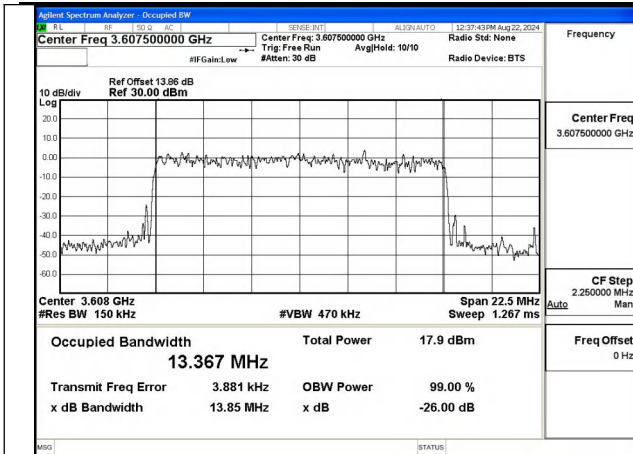


Fig.7

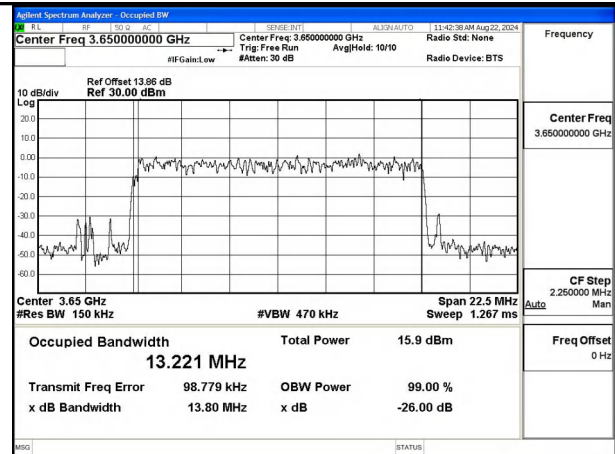


Fig.8

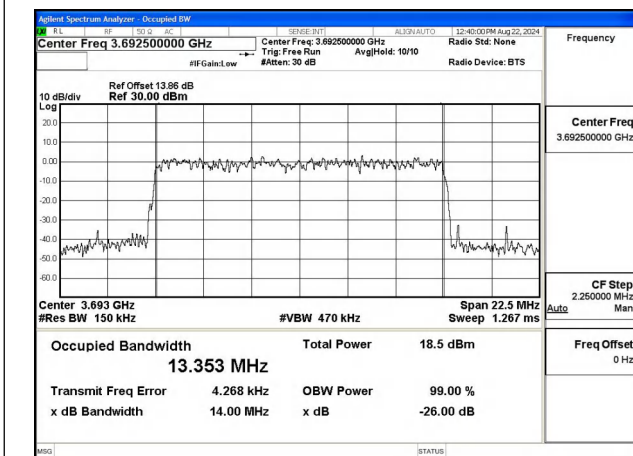


Fig.9

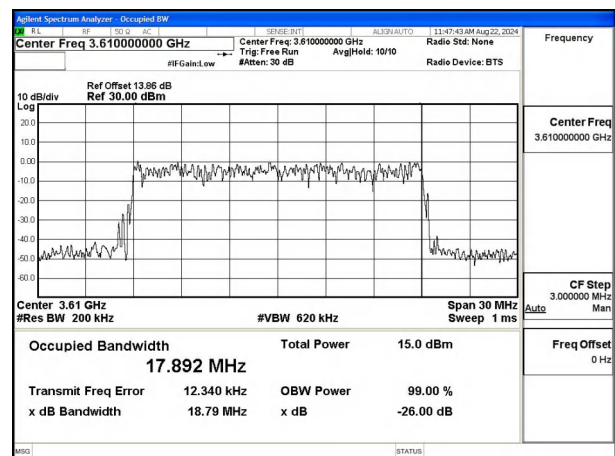


Fig.10

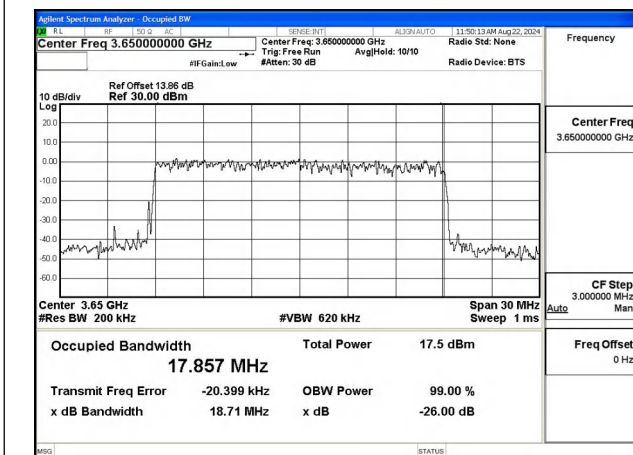


Fig.11

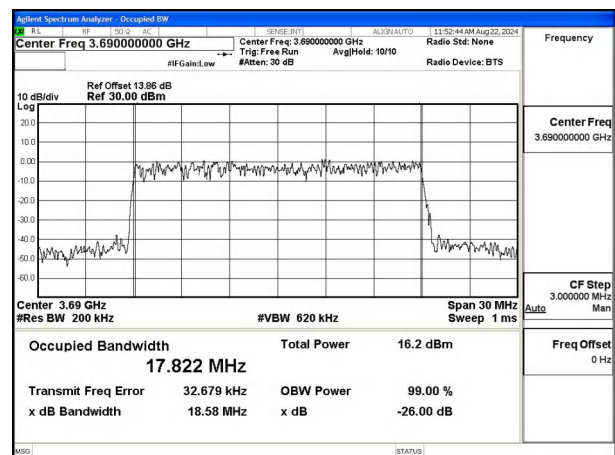


Fig.12

Test Mode: 16QAM

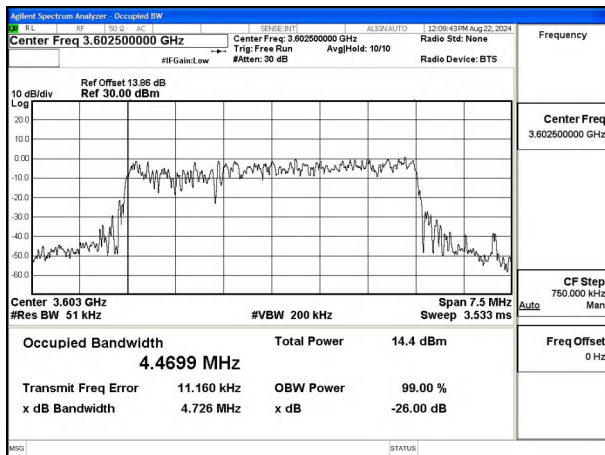


Fig.13

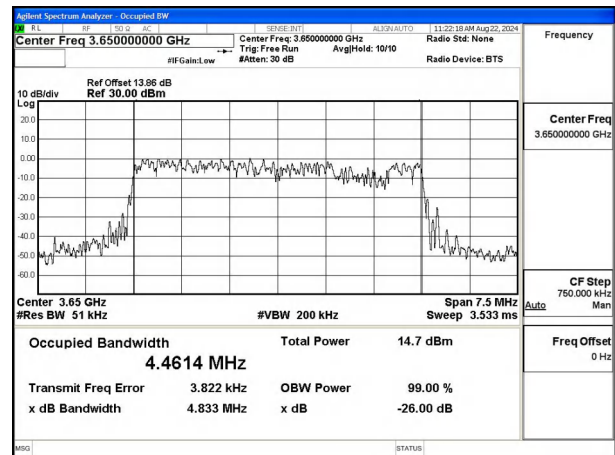


Fig.14

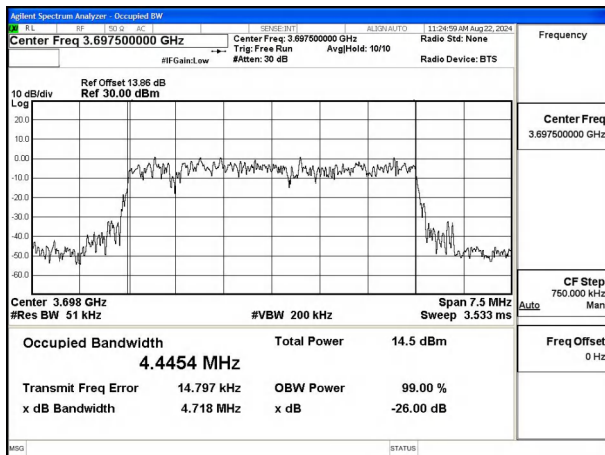


Fig.15

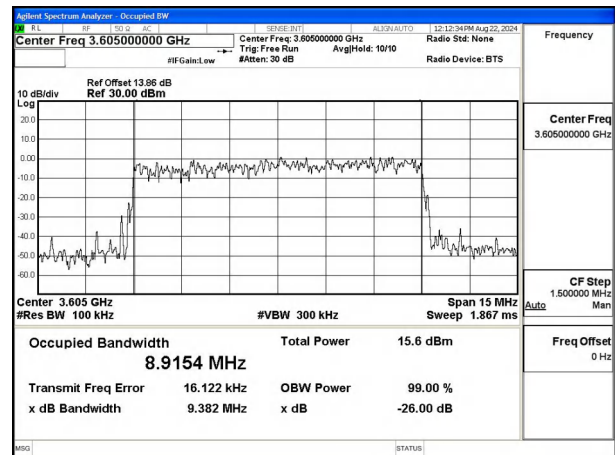


Fig.16

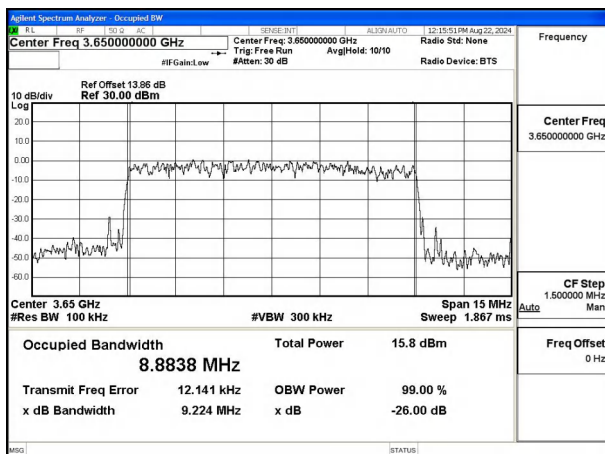


Fig.17

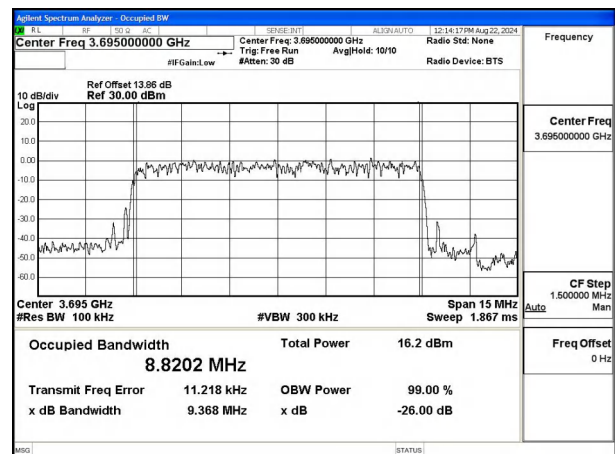


Fig.18

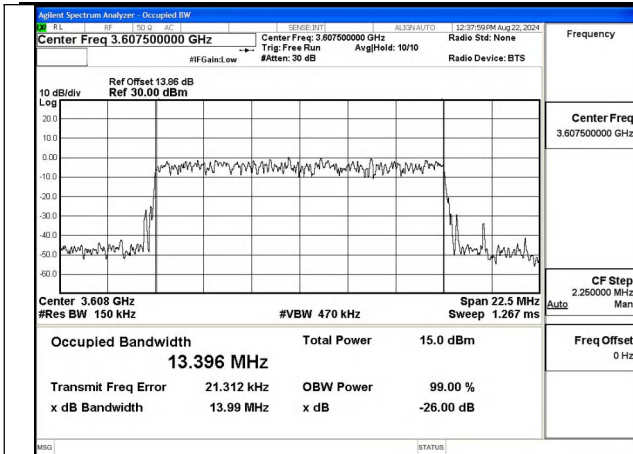


Fig.19

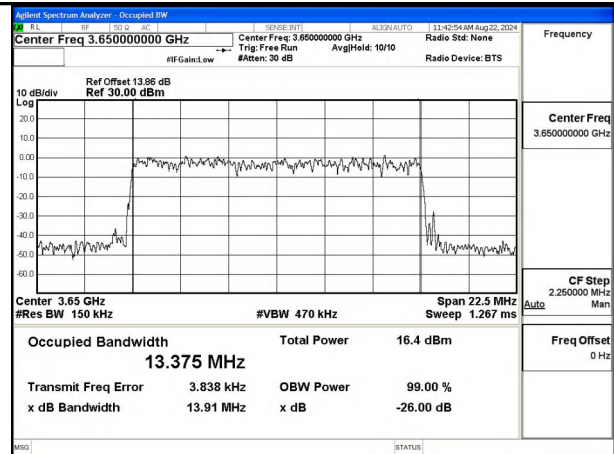


Fig.20

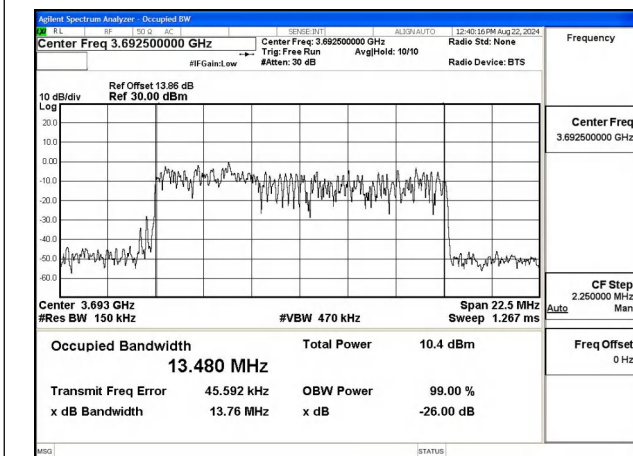


Fig.21

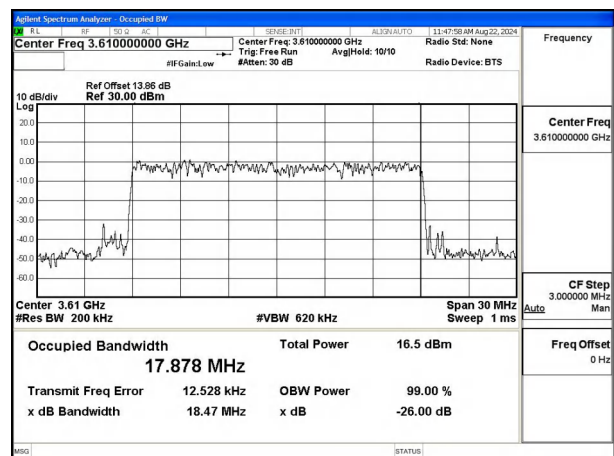


Fig.22

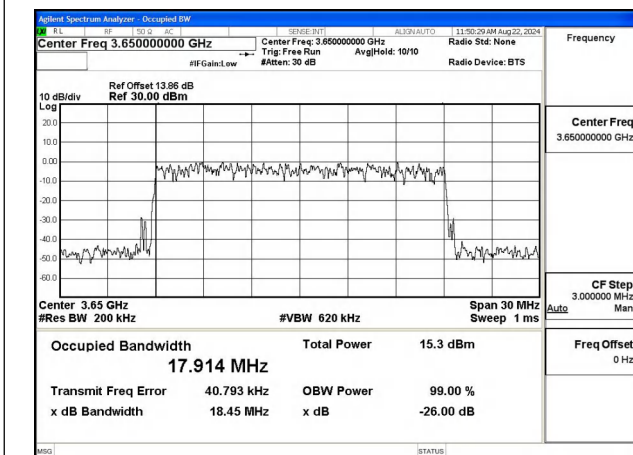


Fig.23

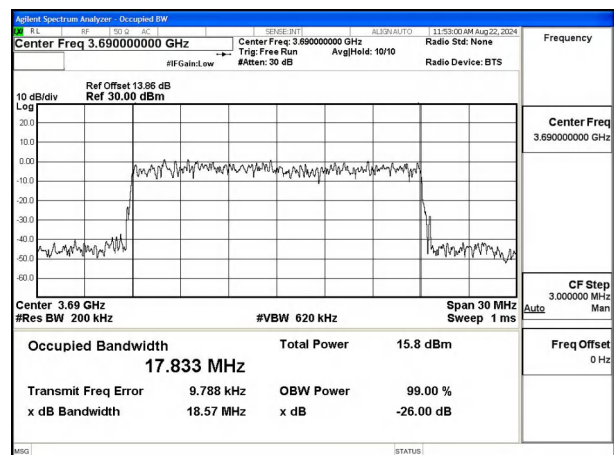


Fig.24

Test Mode: 64QAM

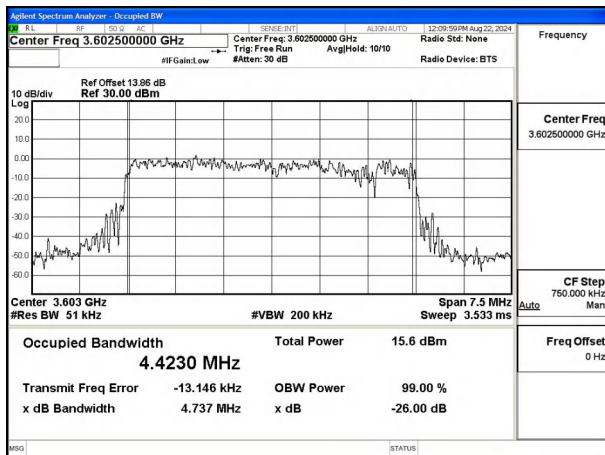


Fig.25

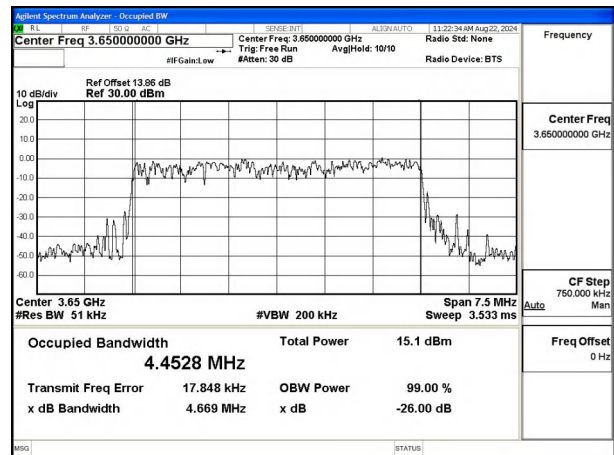


Fig.26

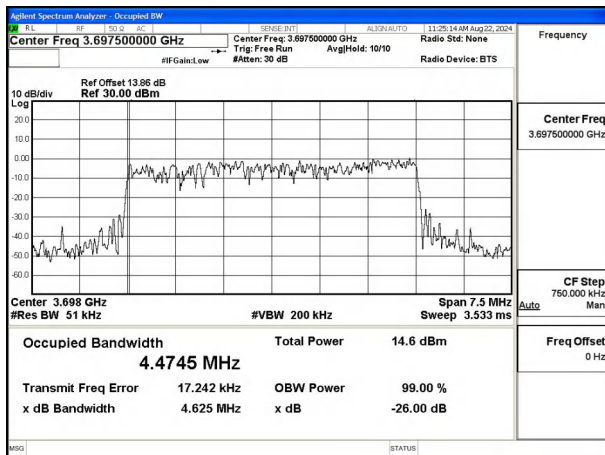


Fig.27

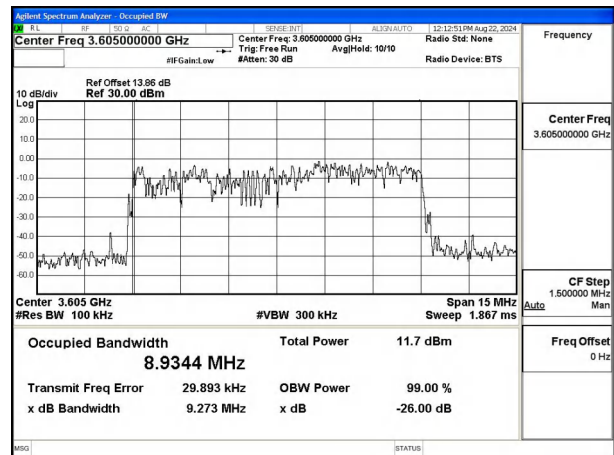


Fig.28

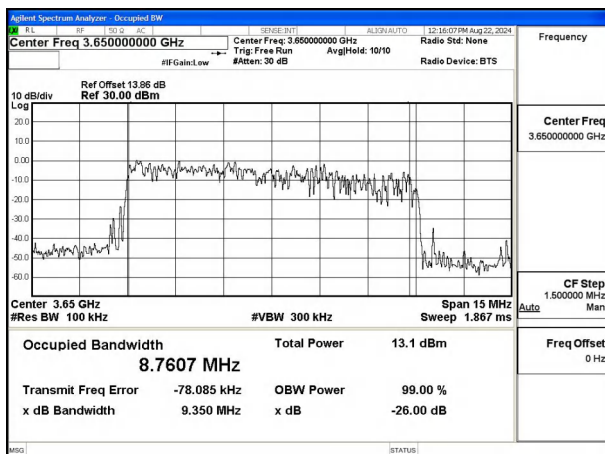


Fig.29

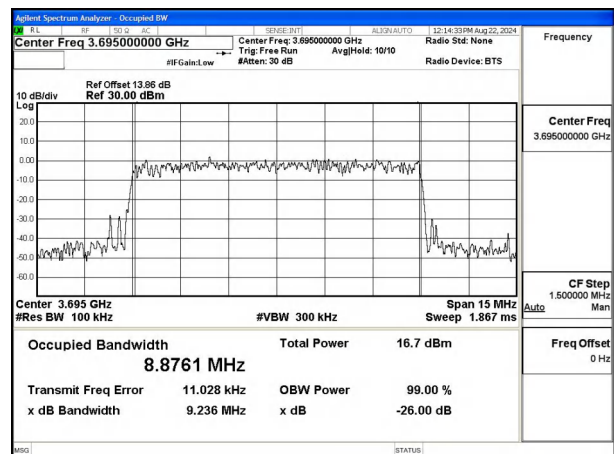


Fig.30

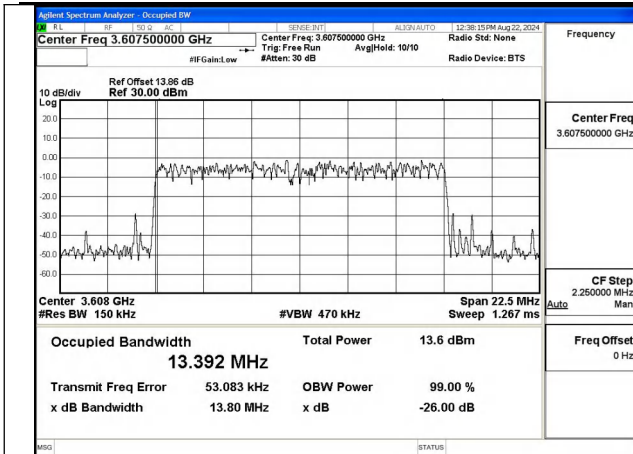


Fig.31

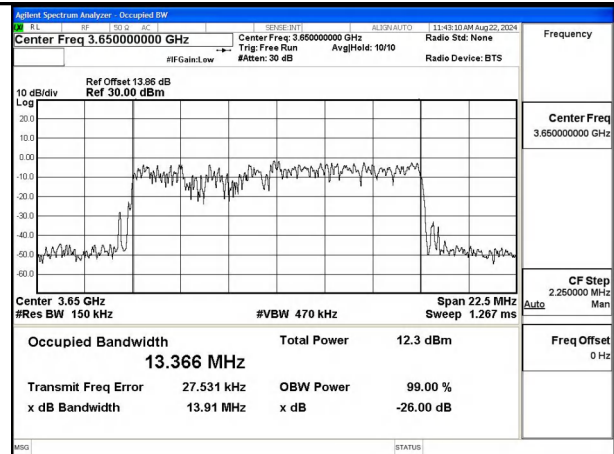


Fig.32

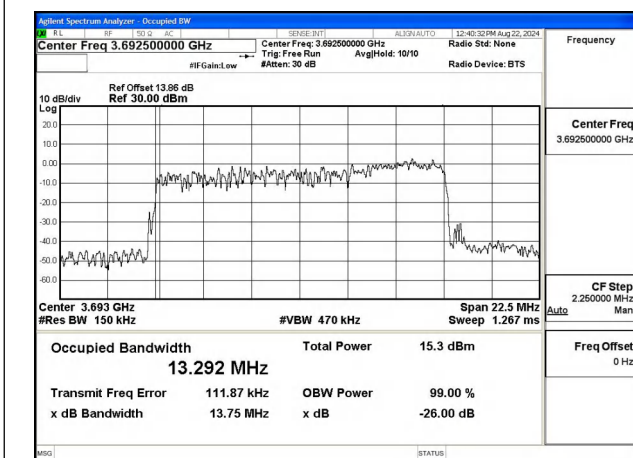


Fig.33

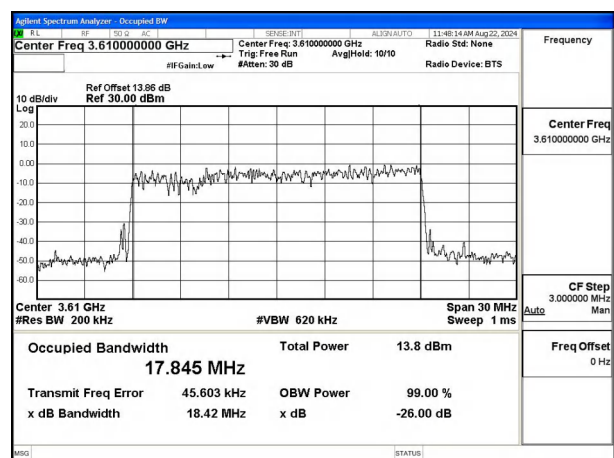


Fig.34

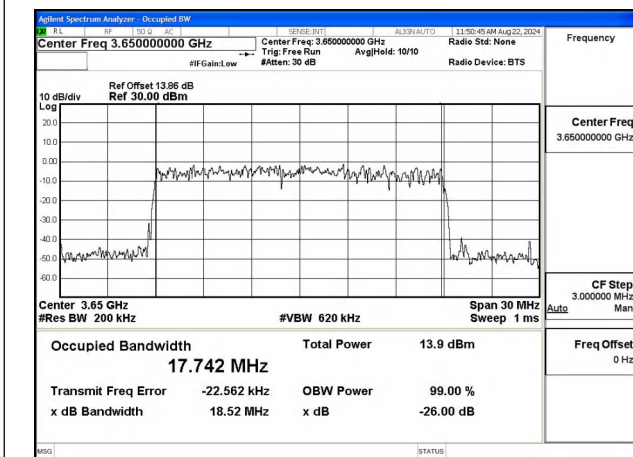


Fig.35

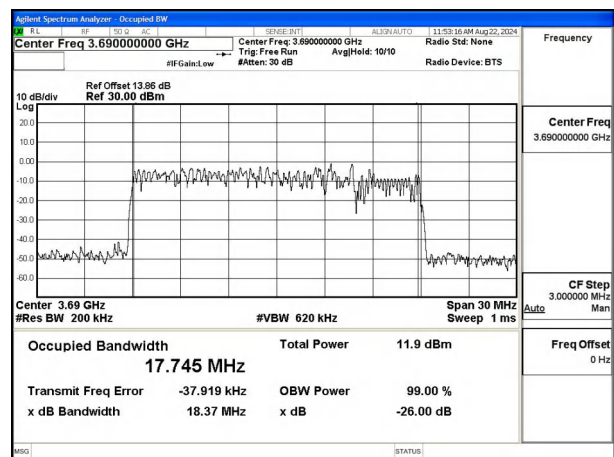


Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
43	QPSK	3602.5	43615	5	25	0	4.614	Fig.1
43	QPSK	3650	44090	5	25	0	4.773	Fig.2
43	QPSK	3697.5	44565	5	25	0	4.620	Fig.3
43	QPSK	3605	43640	10	50	0	9.342	Fig.4
43	QPSK	3650	44090	10	50	0	9.416	Fig.5
43	QPSK	3695	44540	10	50	0	9.267	Fig.6
43	QPSK	3607.5	43665	15	75	0	13.851	Fig.7
43	QPSK	3650	44090	15	75	0	13.804	Fig.8
43	QPSK	3692.5	44515	15	75	0	13.997	Fig.9
43	QPSK	3610	43690	20	100	0	18.794	Fig.10
43	QPSK	3650	44090	20	100	0	18.712	Fig.11
43	QPSK	3690	44490	20	100	0	18.582	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
43	16QAM	3602.5	43615	5	25	0	4.726	Fig.13
43	16QAM	3650	44090	5	25	0	4.833	Fig.14
43	16QAM	3697.5	44565	5	25	0	4.718	Fig.15
43	16QAM	3605	43640	10	50	0	9.382	Fig.16
43	16QAM	3650	44090	10	50	0	9.224	Fig.17
43	16QAM	3695	44540	10	50	0	9.368	Fig.18
43	16QAM	3607.5	43665	15	75	0	13.991	Fig.19
43	16QAM	3650	44090	15	75	0	13.914	Fig.20
43	16QAM	3692.5	44515	15	75	0	13.763	Fig.21
43	16QAM	3610	43690	20	100	0	18.467	Fig.22
43	16QAM	3650	44090	20	100	0	18.451	Fig.23
43	16QAM	3690	44490	20	100	0	18.568	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
43	64QAM	3602.5	43615	5	25	0	4.737	Fig.25
43	64QAM	3650	44090	5	25	0	4.669	Fig.26
43	64QAM	3697.5	44565	5	25	0	4.625	Fig.27
43	64QAM	3605	43640	10	50	0	9.273	Fig.28
43	64QAM	3650	44090	10	50	0	9.350	Fig.29
43	64QAM	3695	44540	10	50	0	9.236	Fig.30
43	64QAM	3607.5	43665	15	75	0	13.797	Fig.31
43	64QAM	3650	44090	15	75	0	13.912	Fig.32
43	64QAM	3692.5	44515	15	75	0	13.750	Fig.33
43	64QAM	3610	43690	20	100	0	18.423	Fig.34
43	64QAM	3650	44090	20	100	0	18.524	Fig.35
43	64QAM	3690	44490	20	100	0	18.365	Fig.36

Test Mode: QPSK

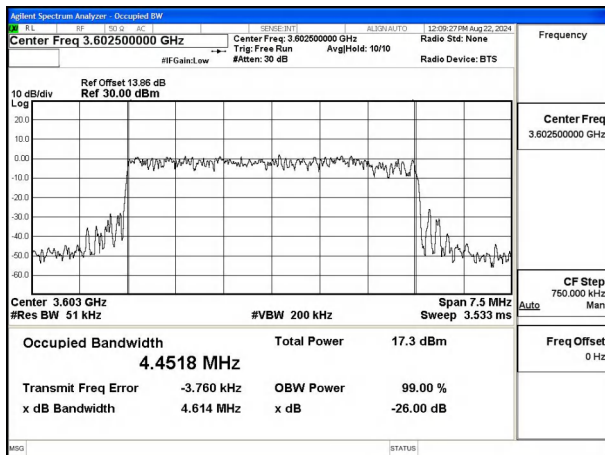


Fig.1

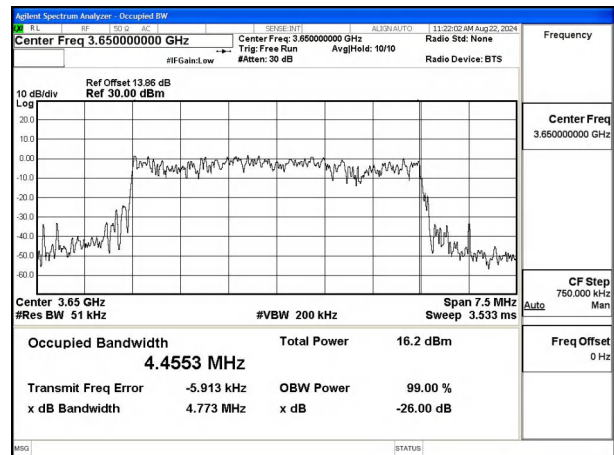


Fig.2

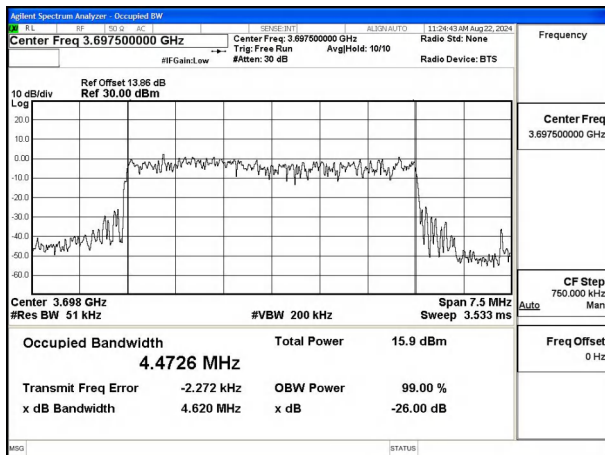


Fig.3

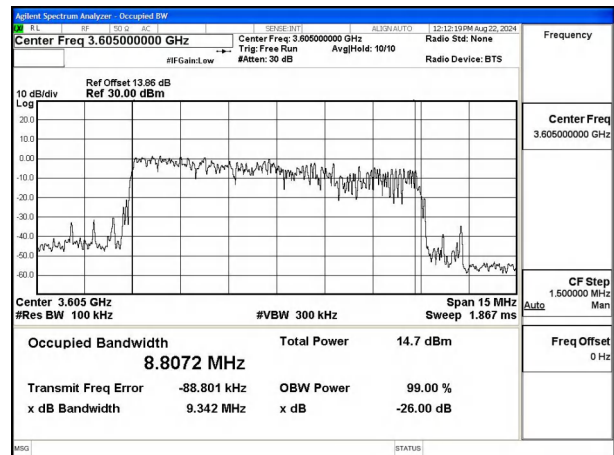


Fig.4

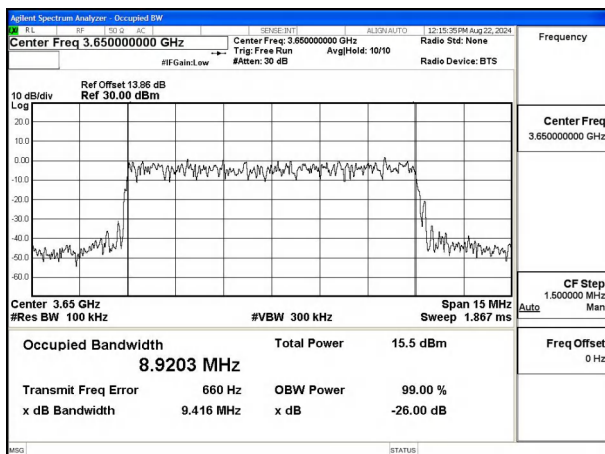


Fig.5

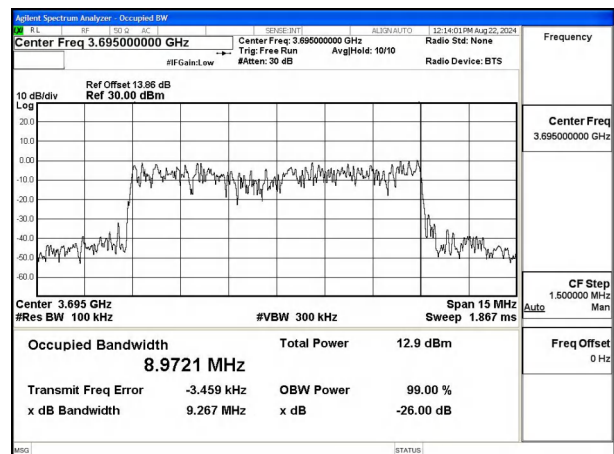


Fig.6

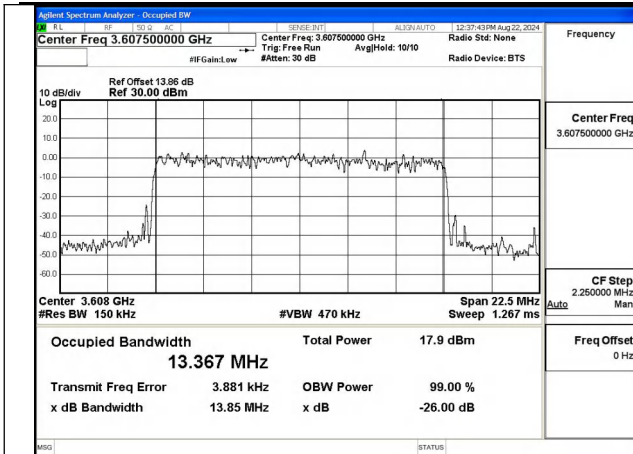


Fig.7

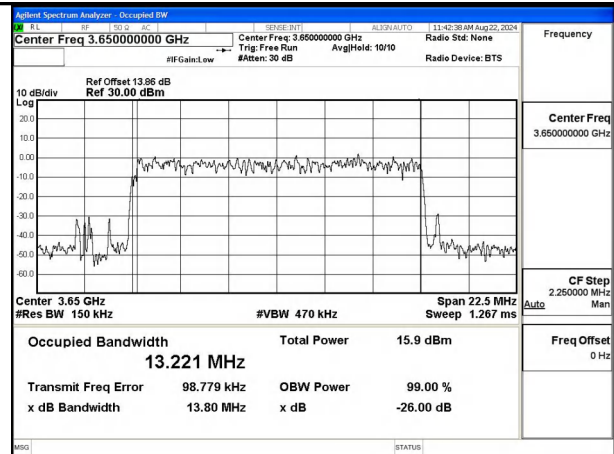


Fig.8

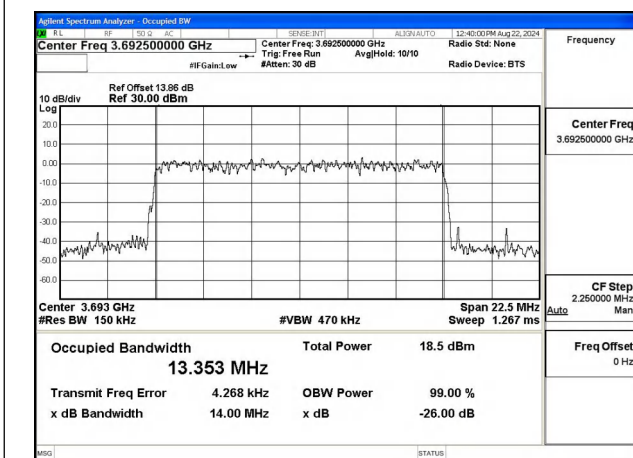


Fig.9

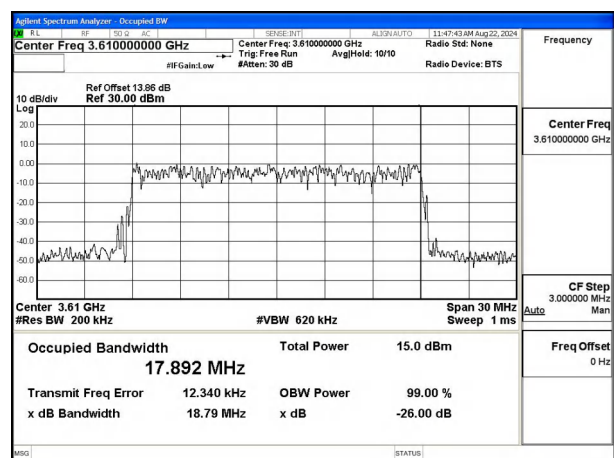


Fig.10

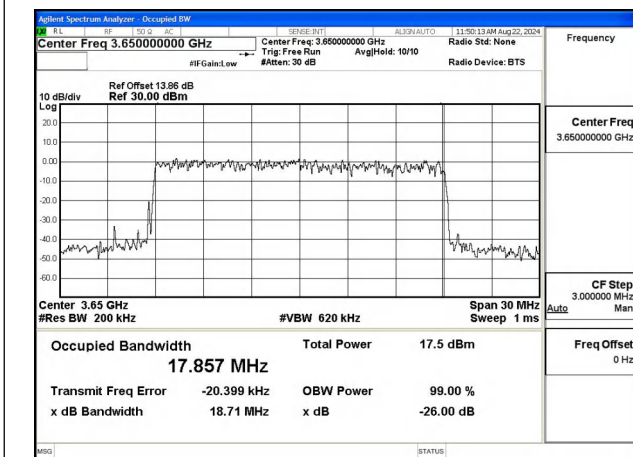


Fig.11

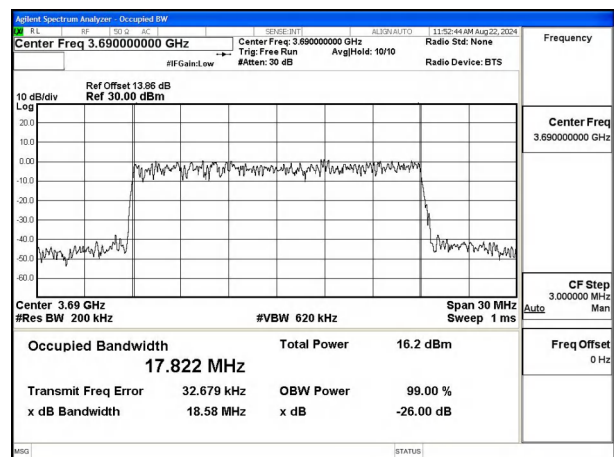


Fig.12

Test Mode: 16QAM

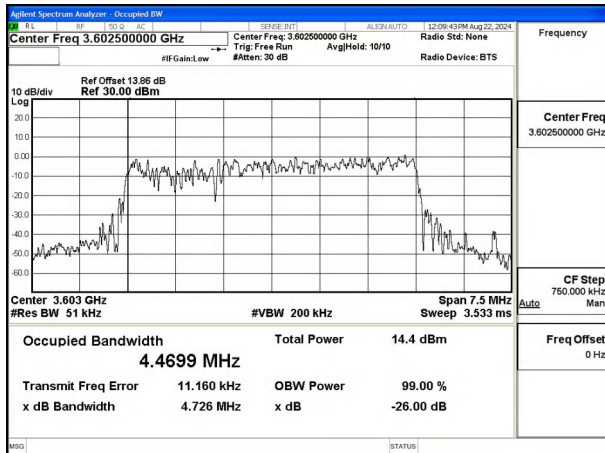


Fig.13

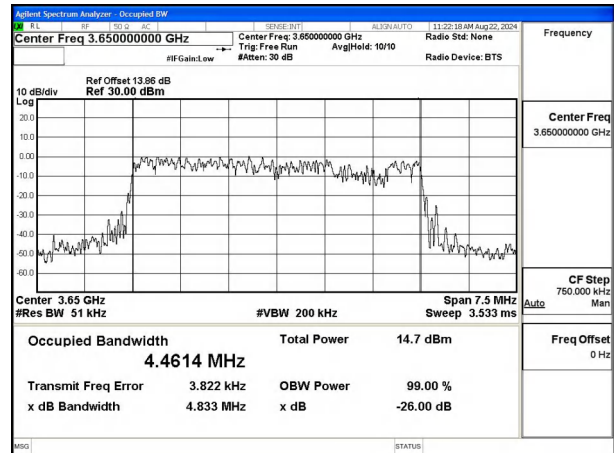


Fig.14

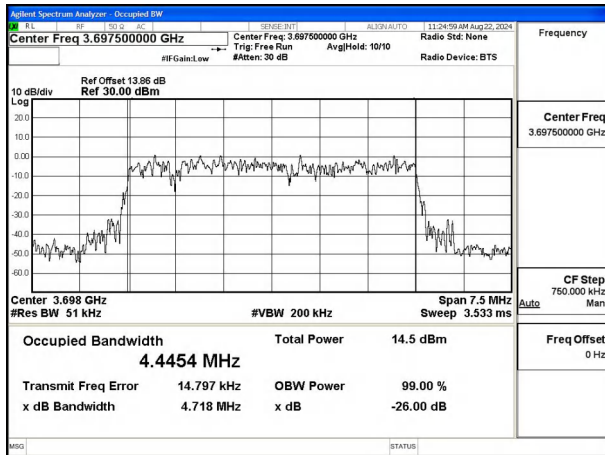


Fig.15

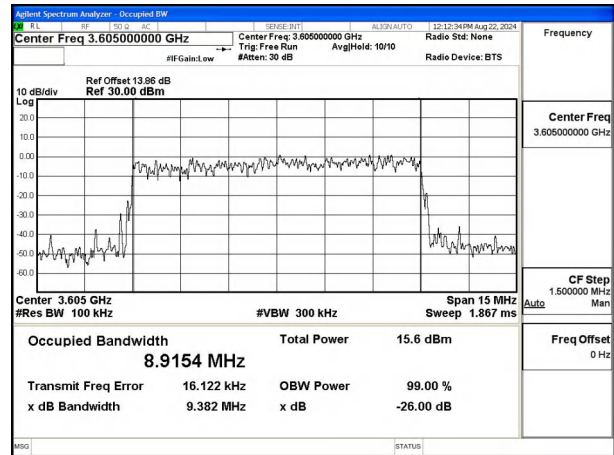


Fig.16

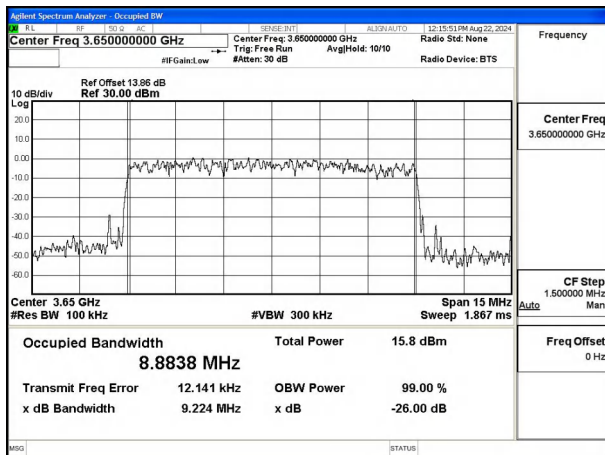


Fig.17

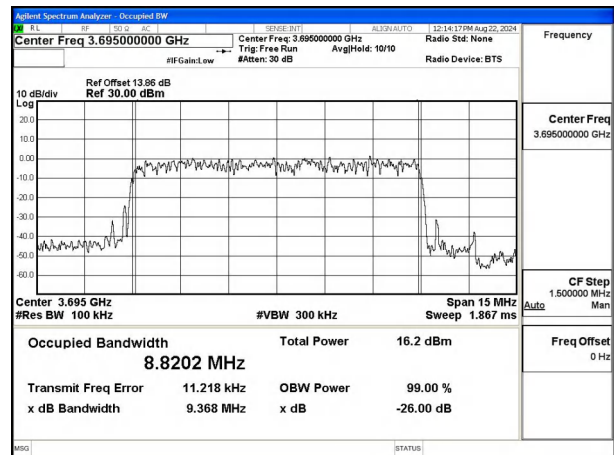


Fig.18

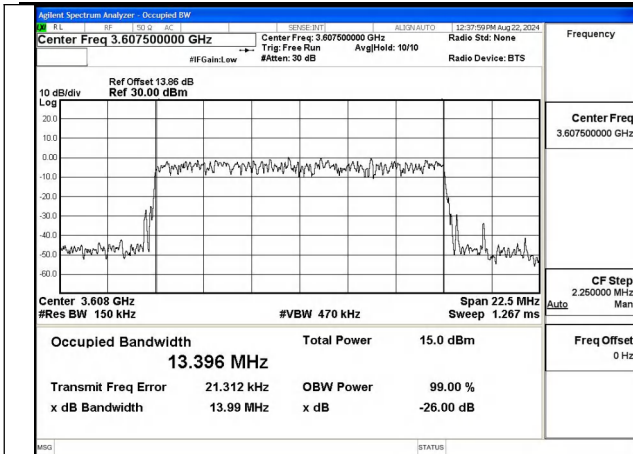


Fig.19

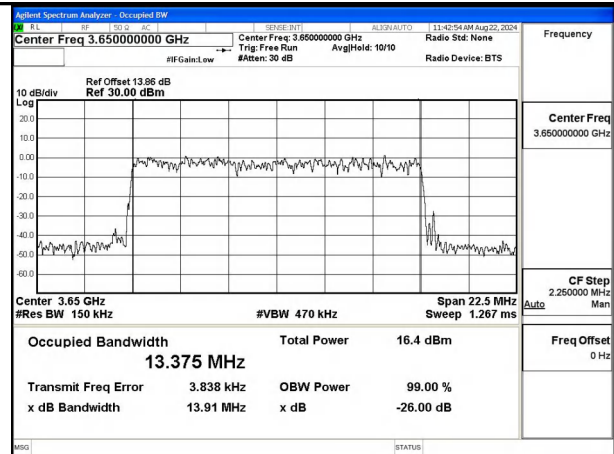


Fig.20

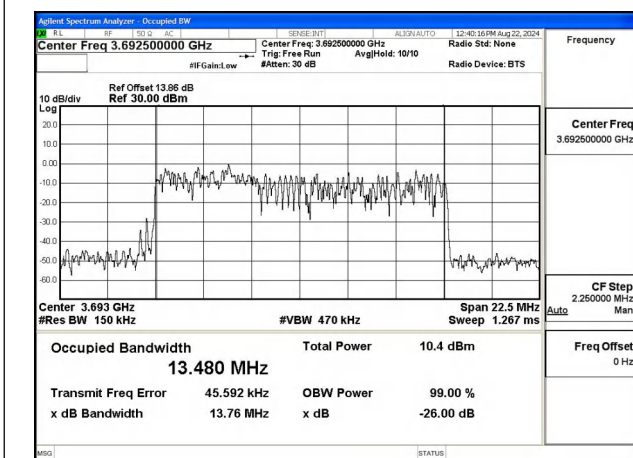


Fig.21

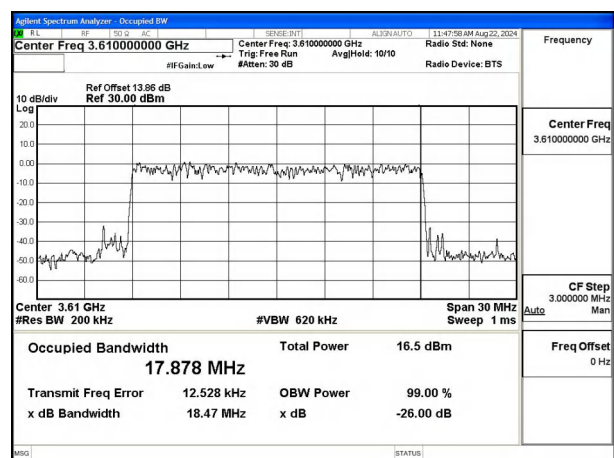


Fig.22

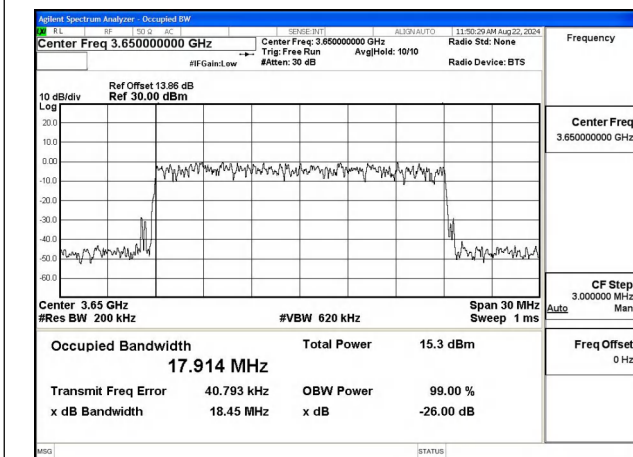


Fig.23

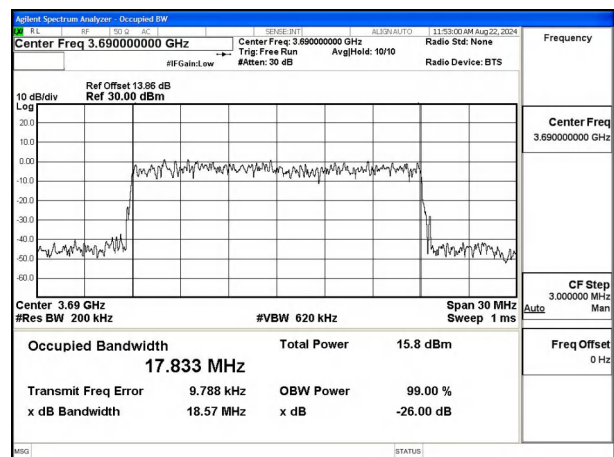


Fig.24

Test Mode: 64QAM

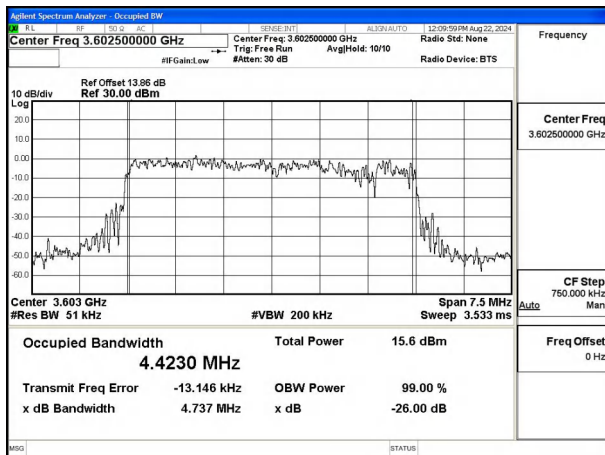


Fig.25

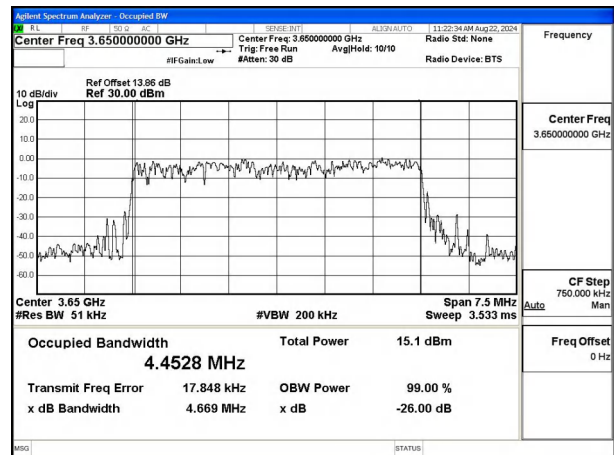


Fig.26

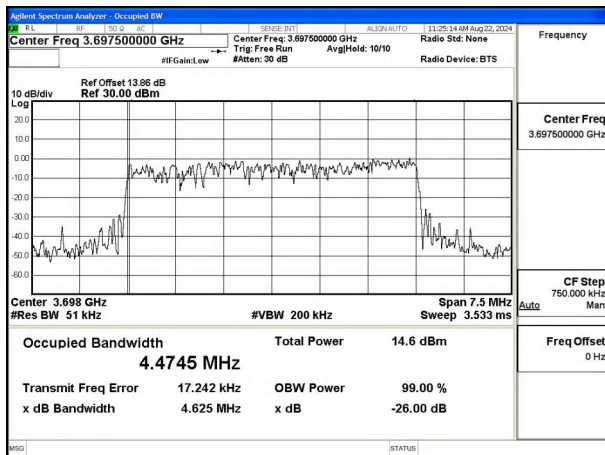


Fig.27

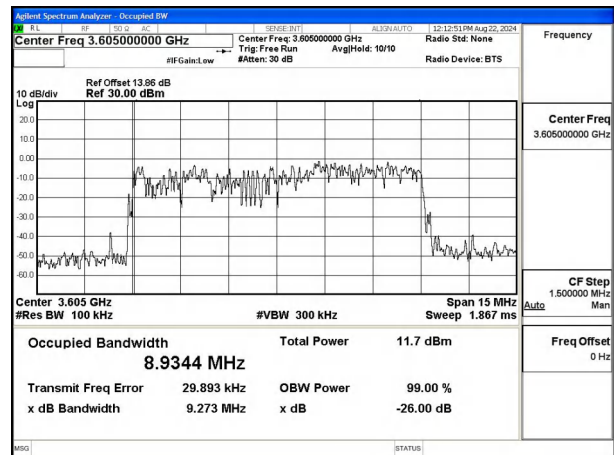


Fig.28

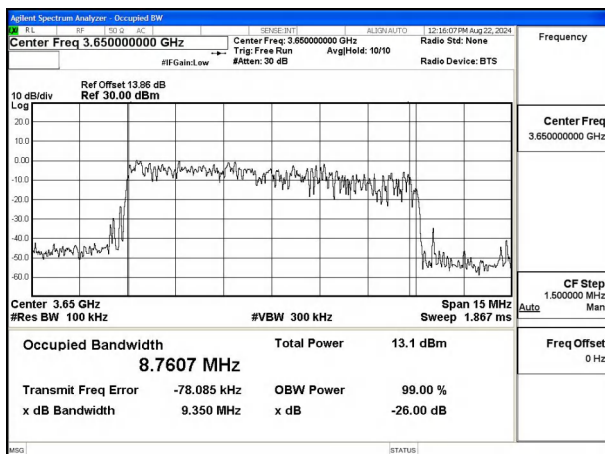


Fig.29

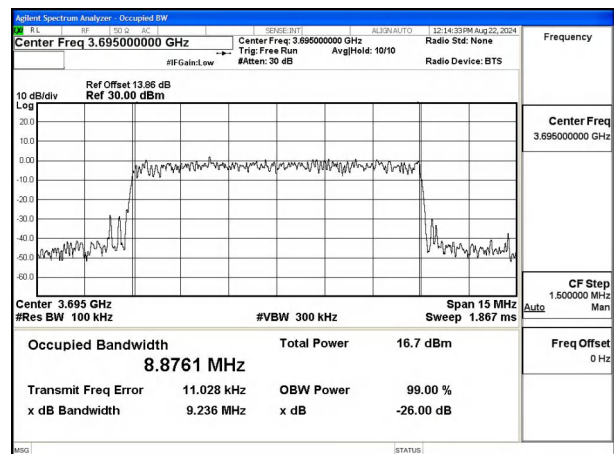


Fig.30