

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 48

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3552.5	55265	5	1	0	23.25
QPSK	3552.5	55265	5	1	12	23.26
QPSK	3552.5	55265	5	1	24	23.39
QPSK	3552.5	55265	5	12	0	22.36
QPSK	3552.5	55265	5	12	7	22.44
QPSK	3552.5	55265	5	12	13	22.32
QPSK	3552.5	55265	5	25	0	22.33
QPSK	3625	55990	5	1	0	22.52
QPSK	3625	55990	5	1	12	22.47
QPSK	3625	55990	5	1	24	22.56
QPSK	3625	55990	5	12	0	21.68
QPSK	3625	55990	5	12	7	21.66
QPSK	3625	55990	5	12	13	21.64
QPSK	3625	55990	5	25	0	21.69
QPSK	3697.5	56715	5	1	0	22.53
QPSK	3697.5	56715	5	1	12	22.48
QPSK	3697.5	56715	5	1	24	22.49
QPSK	3697.5	56715	5	12	0	21.66
QPSK	3697.5	56715	5	12	7	21.54
QPSK	3697.5	56715	5	12	13	21.53
QPSK	3697.5	56715	5	25	0	21.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3552.5	55265	5	1	0	22.49
16QAM	3552.5	55265	5	1	12	22.60
16QAM	3552.5	55265	5	1	24	22.65
16QAM	3552.5	55265	5	12	0	21.33
16QAM	3552.5	55265	5	12	7	21.43
16QAM	3552.5	55265	5	12	13	21.42
16QAM	3552.5	55265	5	25	0	21.33
16QAM	3625	55990	5	1	0	21.87
16QAM	3625	55990	5	1	12	21.77
16QAM	3625	55990	5	1	24	21.72
16QAM	3625	55990	5	12	0	20.79
16QAM	3625	55990	5	12	7	20.59
16QAM	3625	55990	5	12	13	20.68
16QAM	3625	55990	5	25	0	20.63
16QAM	3697.5	56715	5	1	0	21.70
16QAM	3697.5	56715	5	1	12	21.70
16QAM	3697.5	56715	5	1	24	21.74
16QAM	3697.5	56715	5	12	0	20.64
16QAM	3697.5	56715	5	12	7	20.55
16QAM	3697.5	56715	5	12	13	20.54
16QAM	3697.5	56715	5	25	0	20.69
64QAM	3552.5	55265	5	1	0	22.39
64QAM	3552.5	55265	5	1	12	22.41
64QAM	3552.5	55265	5	1	24	22.48
64QAM	3552.5	55265	5	12	0	21.46
64QAM	3552.5	55265	5	12	7	21.38
64QAM	3552.5	55265	5	12	13	21.27
64QAM	3552.5	55265	5	25	0	21.26
64QAM	3625	55990	5	1	0	21.67
64QAM	3625	55990	5	1	12	21.60
64QAM	3625	55990	5	1	24	21.66
64QAM	3625	55990	5	12	0	20.64
64QAM	3625	55990	5	12	7	20.75
64QAM	3625	55990	5	12	13	20.54
64QAM	3625	55990	5	25	0	20.56
64QAM	3697.5	56715	5	1	0	21.60
64QAM	3697.5	56715	5	1	12	21.56
64QAM	3697.5	56715	5	1	24	21.70
64QAM	3697.5	56715	5	12	0	20.62
64QAM	3697.5	56715	5	12	7	20.74
64QAM	3697.5	56715	5	12	13	20.52
64QAM	3697.5	56715	5	25	0	20.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3555	55290	10	1	0	23.19
QPSK	3555	55290	10	1	25	23.32
QPSK	3555	55290	10	1	49	23.13
QPSK	3555	55290	10	25	0	22.36
QPSK	3555	55290	10	25	12	22.29
QPSK	3555	55290	10	25	25	22.20
QPSK	3555	55290	10	50	0	22.39
QPSK	3625	55990	10	1	0	22.85
QPSK	3625	55990	10	1	25	22.79
QPSK	3625	55990	10	1	49	22.84
QPSK	3625	55990	10	25	0	21.87
QPSK	3625	55990	10	25	12	21.70
QPSK	3625	55990	10	25	25	21.83
QPSK	3625	55990	10	50	0	21.75
QPSK	3695	56690	10	1	0	22.69
QPSK	3695	56690	10	1	25	22.75
QPSK	3695	56690	10	1	49	22.84
QPSK	3695	56690	10	25	0	21.90
QPSK	3695	56690	10	25	12	21.89
QPSK	3695	56690	10	25	25	21.78
QPSK	3695	56690	10	50	0	21.79

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3555	55290	10	1	0	22.54
16QAM	3555	55290	10	1	25	22.39
16QAM	3555	55290	10	1	49	22.54
16QAM	3555	55290	10	25	0	21.42
16QAM	3555	55290	10	25	12	21.28
16QAM	3555	55290	10	25	25	21.31
16QAM	3555	55290	10	50	0	21.43
16QAM	3625	55990	10	1	0	21.98
16QAM	3625	55990	10	1	25	22.08
16QAM	3625	55990	10	1	49	22.07
16QAM	3625	55990	10	25	0	20.75
16QAM	3625	55990	10	25	12	20.78
16QAM	3625	55990	10	25	25	20.71
16QAM	3625	55990	10	50	0	20.76
16QAM	3695	56690	10	1	0	22.02
16QAM	3695	56690	10	1	25	21.89
16QAM	3695	56690	10	1	49	22.12
16QAM	3695	56690	10	25	0	20.83
16QAM	3695	56690	10	25	12	20.94
16QAM	3695	56690	10	25	25	20.84
16QAM	3695	56690	10	50	0	20.90
64QAM	3555	55290	10	1	0	22.42
64QAM	3555	55290	10	1	25	22.29
64QAM	3555	55290	10	1	49	22.34
64QAM	3555	55290	10	25	0	21.22
64QAM	3555	55290	10	25	12	21.38
64QAM	3555	55290	10	25	25	21.21
64QAM	3555	55290	10	50	0	21.23
64QAM	3625	55990	10	1	0	21.86
64QAM	3625	55990	10	1	25	21.74
64QAM	3625	55990	10	1	49	21.90
64QAM	3625	55990	10	25	0	20.69
64QAM	3625	55990	10	25	12	21.06
64QAM	3625	55990	10	25	25	20.87
64QAM	3625	55990	10	50	0	21.05
64QAM	3695	56690	10	1	0	21.80
64QAM	3695	56690	10	1	25	21.95
64QAM	3695	56690	10	1	49	21.79
64QAM	3695	56690	10	25	0	20.70
64QAM	3695	56690	10	25	12	20.82
64QAM	3695	56690	10	25	25	20.73
64QAM	3695	56690	10	50	0	20.78

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3557.5	55315	15	1	0	23.38
QPSK	3557.5	55315	15	1	37	23.18
QPSK	3557.5	55315	15	1	74	23.19
QPSK	3557.5	55315	15	36	0	22.24
QPSK	3557.5	55315	15	36	29	22.19
QPSK	3557.5	55315	15	36	30	22.38
QPSK	3557.5	55315	15	75	0	22.36
QPSK	3625	55990	15	1	0	23.03
QPSK	3625	55990	15	1	37	22.88
QPSK	3625	55990	15	1	74	22.97
QPSK	3625	55990	15	36	0	21.99
QPSK	3625	55990	15	36	29	22.00
QPSK	3625	55990	15	36	30	22.06
QPSK	3625	55990	15	75	0	21.81
QPSK	3692.5	56665	15	1	0	22.64
QPSK	3692.5	56665	15	1	37	22.47
QPSK	3692.5	56665	15	1	74	22.77
QPSK	3692.5	56665	15	36	0	21.67
QPSK	3692.5	56665	15	36	29	21.66
QPSK	3692.5	56665	15	36	30	21.77
QPSK	3692.5	56665	15	75	0	21.75

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3557.5	55315	15	1	0	22.44
16QAM	3557.5	55315	15	1	37	22.52
16QAM	3557.5	55315	15	1	74	22.46
16QAM	3557.5	55315	15	36	0	21.21
16QAM	3557.5	55315	15	36	29	21.30
16QAM	3557.5	55315	15	36	30	21.29
16QAM	3557.5	55315	15	75	0	21.34
16QAM	3625	55990	15	1	0	22.04
16QAM	3625	55990	15	1	37	21.96
16QAM	3625	55990	15	1	74	22.06
16QAM	3625	55990	15	36	0	20.87
16QAM	3625	55990	15	36	29	20.80
16QAM	3625	55990	15	36	30	20.89
16QAM	3625	55990	15	75	0	20.97
16QAM	3692.5	56665	15	1	0	21.84
16QAM	3692.5	56665	15	1	37	21.74
16QAM	3692.5	56665	15	1	74	21.95
16QAM	3692.5	56665	15	36	0	20.69
16QAM	3692.5	56665	15	36	29	20.69
16QAM	3692.5	56665	15	36	30	20.69
16QAM	3692.5	56665	15	75	0	20.63
64QAM	3557.5	55315	15	1	0	22.32
64QAM	3557.5	55315	15	1	37	22.28
64QAM	3557.5	55315	15	1	74	22.31
64QAM	3557.5	55315	15	36	0	21.31
64QAM	3557.5	55315	15	36	29	21.33
64QAM	3557.5	55315	15	36	30	21.62
64QAM	3557.5	55315	15	75	0	21.42
64QAM	3625	55990	15	1	0	21.90
64QAM	3625	55990	15	1	37	21.81
64QAM	3625	55990	15	1	74	21.94
64QAM	3625	55990	15	36	0	20.85
64QAM	3625	55990	15	36	29	20.89
64QAM	3625	55990	15	36	30	20.88
64QAM	3625	55990	15	75	0	20.96
64QAM	3692.5	56665	15	1	0	21.61
64QAM	3692.5	56665	15	1	37	21.58
64QAM	3692.5	56665	15	1	74	21.78
64QAM	3692.5	56665	15	36	0	20.59
64QAM	3692.5	56665	15	36	29	20.68
64QAM	3692.5	56665	15	36	30	20.80
64QAM	3692.5	56665	15	75	0	20.71

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3560	55340	20	1	0	23.15
QPSK	3560	55340	20	1	49	23.07
QPSK	3560	55340	20	1	99	22.89
QPSK	3560	55340	20	50	0	22.16
QPSK	3560	55340	20	50	24	22.20
QPSK	3560	55340	20	50	50	21.86
QPSK	3560	55340	20	100	0	21.88
QPSK	3625	55990	20	1	0	22.52
QPSK	3625	55990	20	1	49	22.49
QPSK	3625	55990	20	1	99	22.55
QPSK	3625	55990	20	50	0	21.76
QPSK	3625	55990	20	50	24	21.59
QPSK	3625	55990	20	50	50	21.70
QPSK	3625	55990	20	100	0	21.58
QPSK	3690	56640	20	1	0	22.50
QPSK	3690	56640	20	1	49	22.35
QPSK	3690	56640	20	1	99	22.65
QPSK	3690	56640	20	50	0	21.63
QPSK	3690	56640	20	50	24	21.54
QPSK	3690	56640	20	50	50	21.62
QPSK	3690	56640	20	100	0	21.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3560	55340	20	1	0	22.19
16QAM	3560	55340	20	1	49	22.18
16QAM	3560	55340	20	1	99	21.93
16QAM	3560	55340	20	50	0	21.07
16QAM	3560	55340	20	50	24	21.10
16QAM	3560	55340	20	50	50	20.96
16QAM	3560	55340	20	100	0	20.96
16QAM	3625	55990	20	1	0	21.84
16QAM	3625	55990	20	1	49	21.79
16QAM	3625	55990	20	1	99	21.85
16QAM	3625	55990	20	50	0	20.76
16QAM	3625	55990	20	50	24	20.69
16QAM	3625	55990	20	50	50	20.71
16QAM	3625	55990	20	100	0	20.67
16QAM	3690	56640	20	1	0	21.73
16QAM	3690	56640	20	1	49	21.74
16QAM	3690	56640	20	1	99	21.86
16QAM	3690	56640	20	50	0	20.63
16QAM	3690	56640	20	50	24	20.64
16QAM	3690	56640	20	50	50	20.63
16QAM	3690	56640	20	100	0	20.63
64QAM	3560	55340	20	1	0	22.07
64QAM	3560	55340	20	1	49	22.03
64QAM	3560	55340	20	1	99	21.76
64QAM	3560	55340	20	50	0	21.09
64QAM	3560	55340	20	50	24	21.13
64QAM	3560	55340	20	50	50	20.79
64QAM	3560	55340	20	100	0	20.97
64QAM	3625	55990	20	1	0	21.74
64QAM	3625	55990	20	1	49	21.74
64QAM	3625	55990	20	1	99	21.75
64QAM	3625	55990	20	50	0	20.61
64QAM	3625	55990	20	50	24	20.64
64QAM	3625	55990	20	50	50	20.75
64QAM	3625	55990	20	100	0	20.80
64QAM	3690	56640	20	1	0	21.61
64QAM	3690	56640	20	1	49	21.49
64QAM	3690	56640	20	1	99	21.61
64QAM	3690	56640	20	50	0	20.47
64QAM	3690	56640	20	50	24	20.60
64QAM	3690	56640	20	50	50	20.58
64QAM	3690	56640	20	100	0	20.66

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
48	QPSK	3552.5	55265	5	25	0	4.455	Fig.1
48	QPSK	3625	55990	5	25	0	4.443	Fig.2
48	QPSK	3697.5	56715	5	25	0	4.464	Fig.3
48	QPSK	3555	55290	10	50	0	8.944	Fig.4
48	QPSK	3625	55990	10	50	0	8.884	Fig.5
48	QPSK	3695	56690	10	50	0	8.906	Fig.6
48	QPSK	3557.5	55315	15	75	0	13.357	Fig.7
48	QPSK	3625	55990	15	75	0	13.251	Fig.8
48	QPSK	3692.5	56665	15	75	0	13.321	Fig.9
48	QPSK	3560	55340	20	100	0	17.842	Fig.10
48	QPSK	3625	55990	20	100	0	17.932	Fig.11
48	QPSK	3690	56640	20	100	0	17.866	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
48	16QAM	3552.5	55265	5	25	0	4.456	Fig.13
48	16QAM	3625	55990	5	25	0	4.415	Fig.14
48	16QAM	3697.5	56715	5	25	0	4.483	Fig.15
48	16QAM	3555	55290	10	50	0	8.892	Fig.16
48	16QAM	3625	55990	10	50	0	8.927	Fig.17
48	16QAM	3695	56690	10	50	0	8.842	Fig.18
48	16QAM	3557.5	55315	15	75	0	13.265	Fig.19
48	16QAM	3625	55990	15	75	0	13.303	Fig.20
48	16QAM	3692.5	56665	15	75	0	13.302	Fig.21
48	16QAM	3560	55340	20	100	0	17.838	Fig.22
48	16QAM	3625	55990	20	100	0	17.901	Fig.23
48	16QAM	3690	56640	20	100	0	17.836	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
48	64QAM	3552.5	55265	5	25	0	4.480	Fig.25
48	64QAM	3625	55990	5	25	0	4.448	Fig.26
48	64QAM	3697.5	56715	5	25	0	4.417	Fig.27
48	64QAM	3555	55290	10	50	0	8.937	Fig.28
48	64QAM	3625	55990	10	50	0	8.860	Fig.29
48	64QAM	3695	56690	10	50	0	8.931	Fig.30
48	64QAM	3557.5	55315	15	75	0	13.346	Fig.31
48	64QAM	3625	55990	15	75	0	13.391	Fig.32
48	64QAM	3692.5	56665	15	75	0	13.197	Fig.33
48	64QAM	3560	55340	20	100	0	17.719	Fig.34
48	64QAM	3625	55990	20	100	0	17.882	Fig.35
48	64QAM	3690	56640	20	100	0	17.850	Fig.36

Test Mode: QPSK

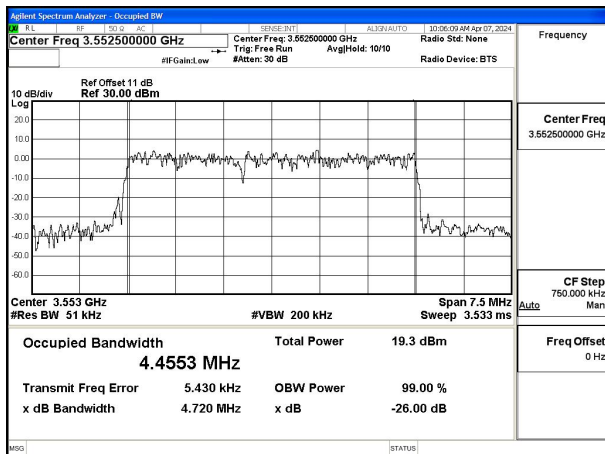


Fig.1

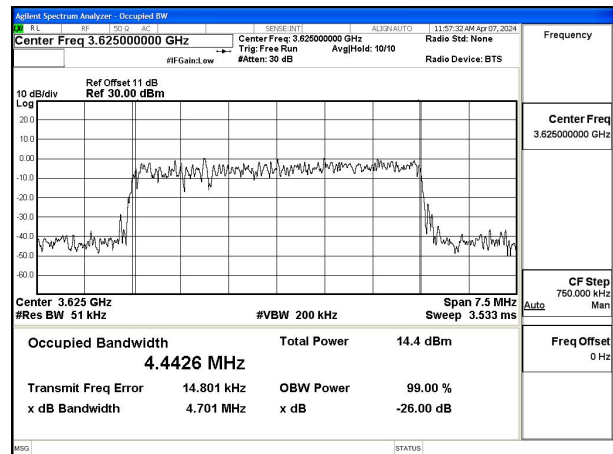


Fig.2

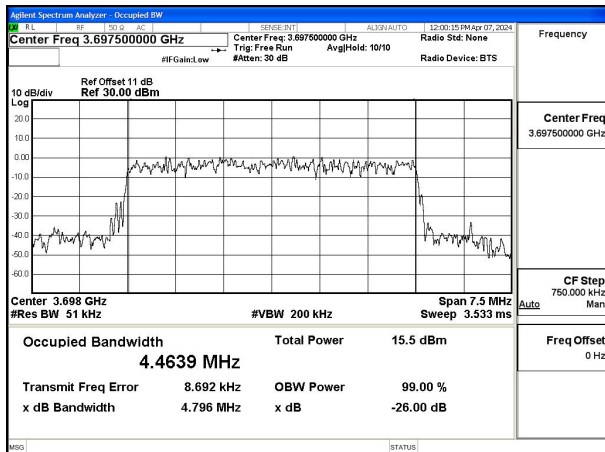


Fig.3

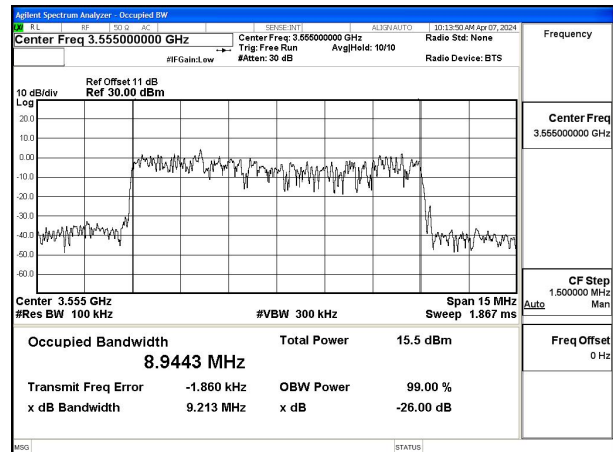


Fig.4

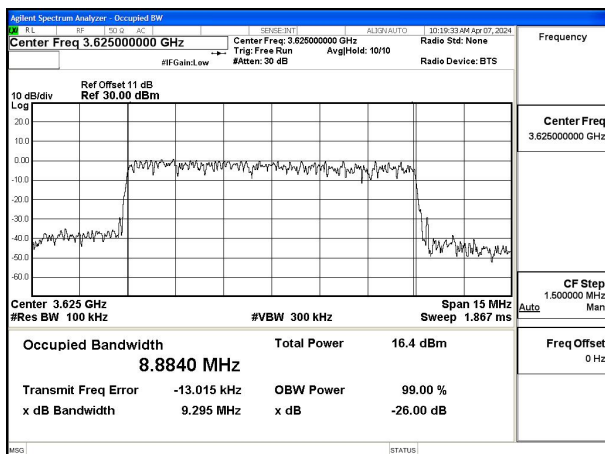


Fig.5

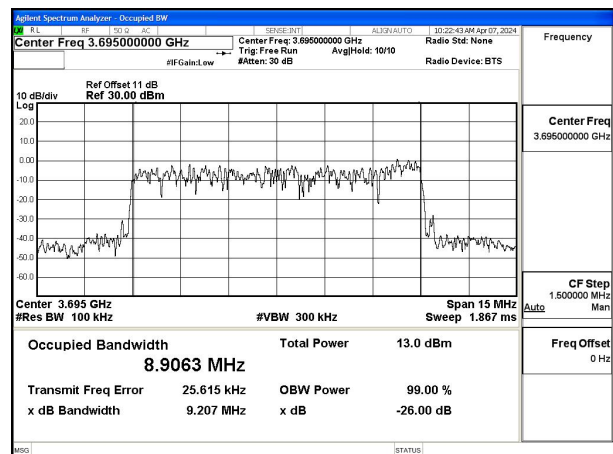


Fig.6

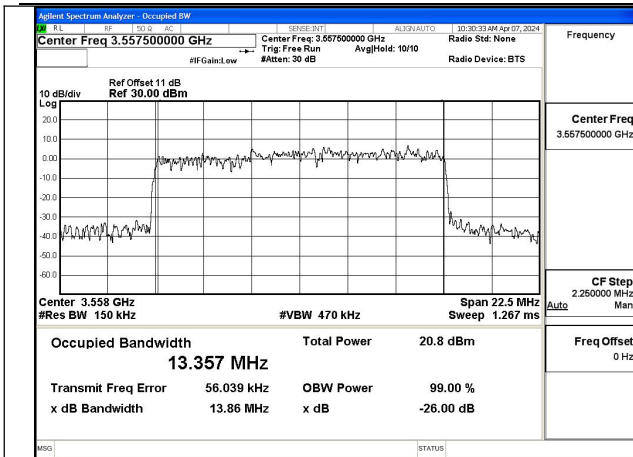


Fig.7

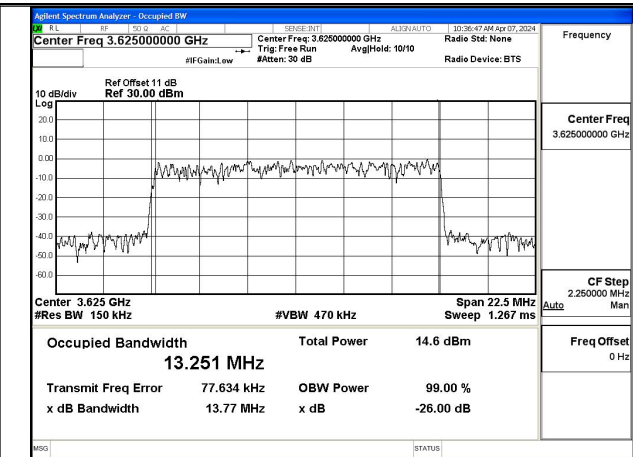


Fig.8

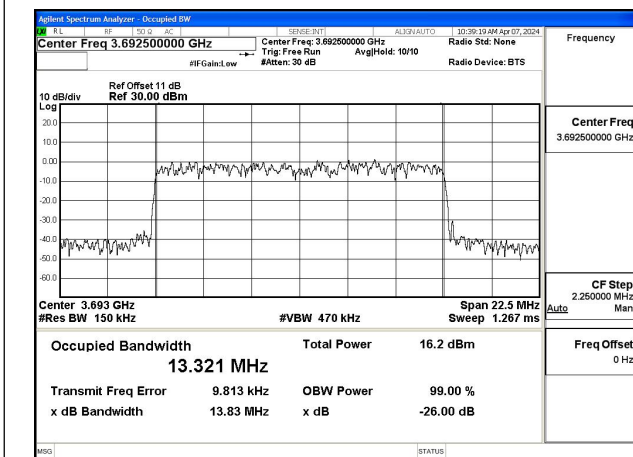


Fig.9

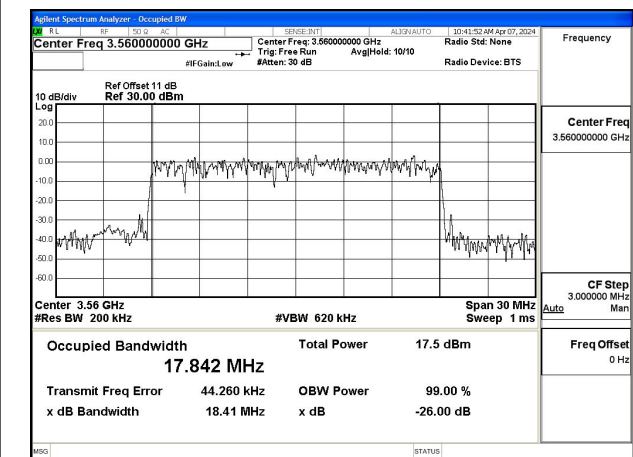


Fig.10

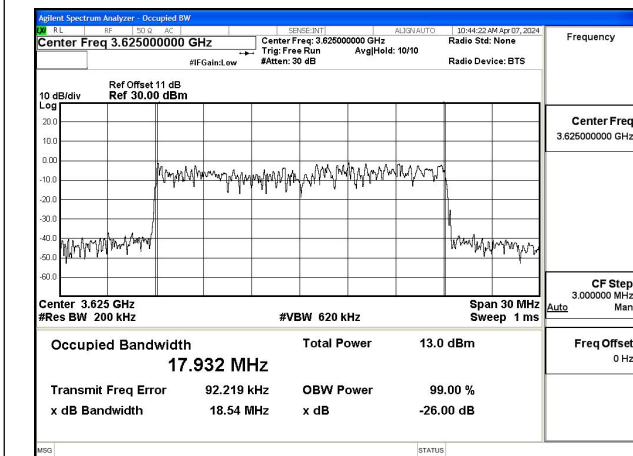


Fig.11

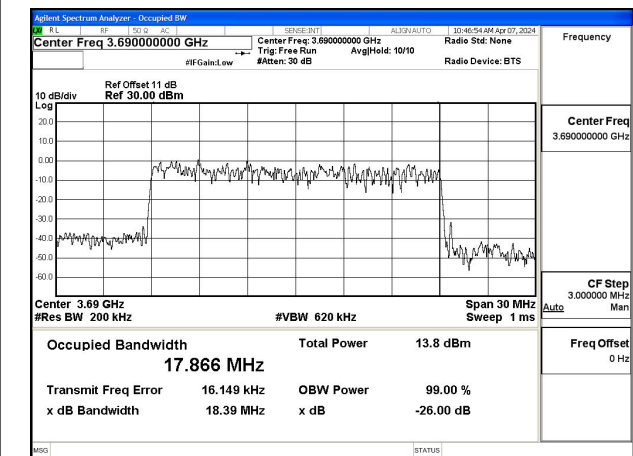


Fig.12

Test Mode: 16QAM

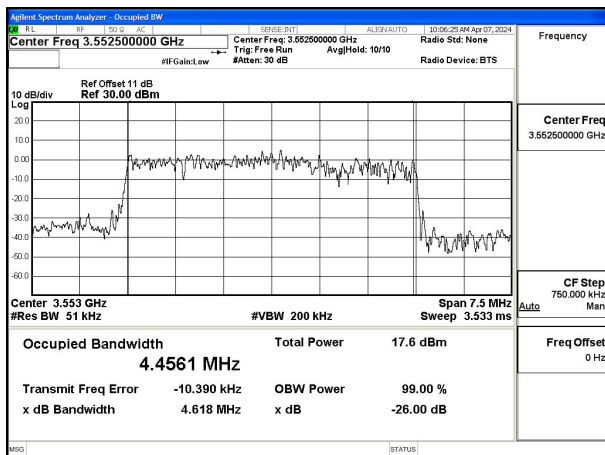


Fig.13

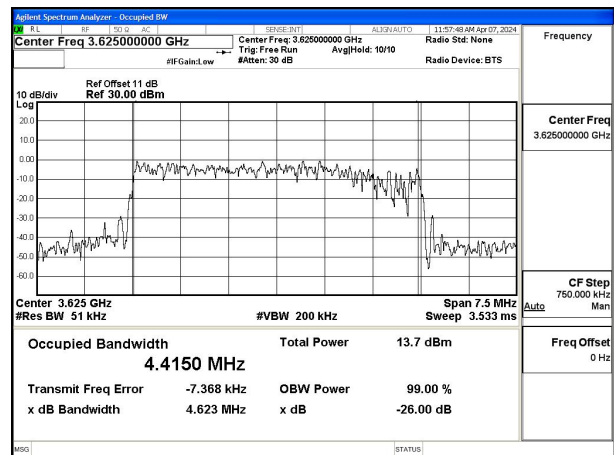


Fig.14

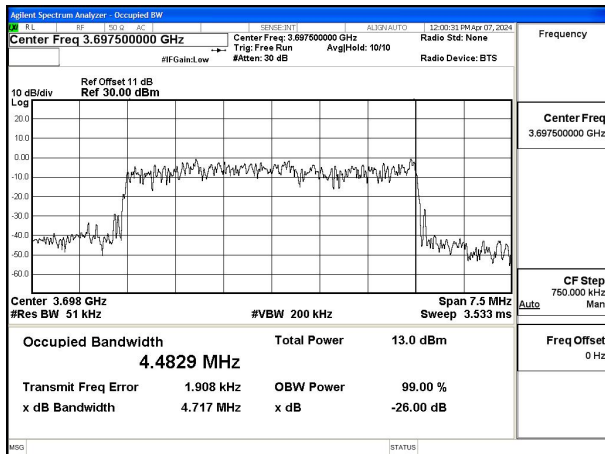


Fig.15

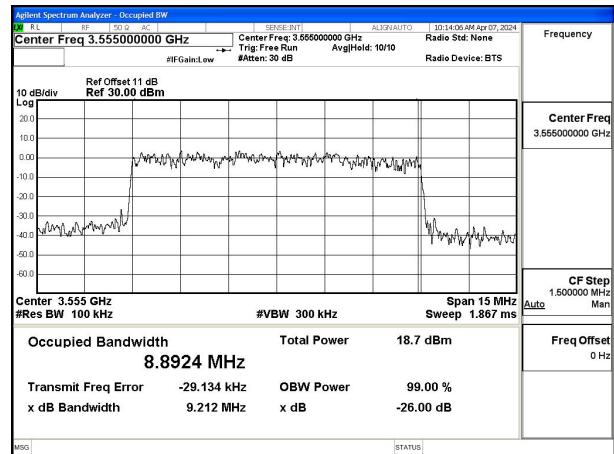


Fig.16

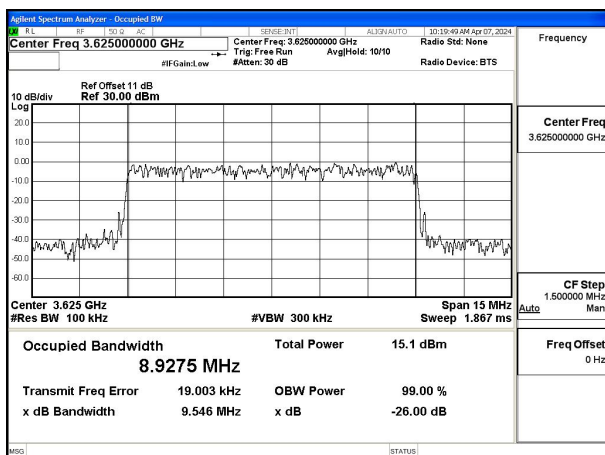


Fig.17

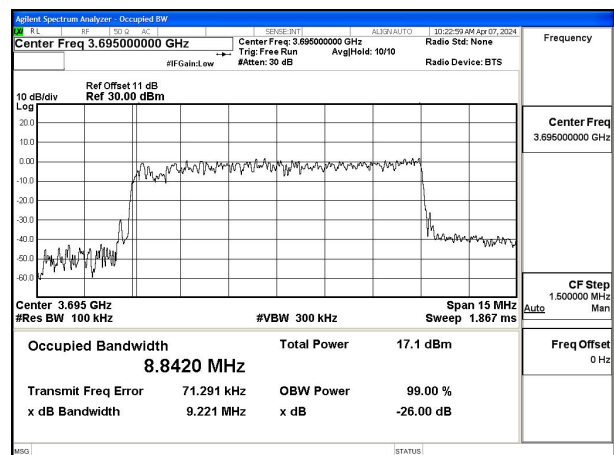


Fig.18

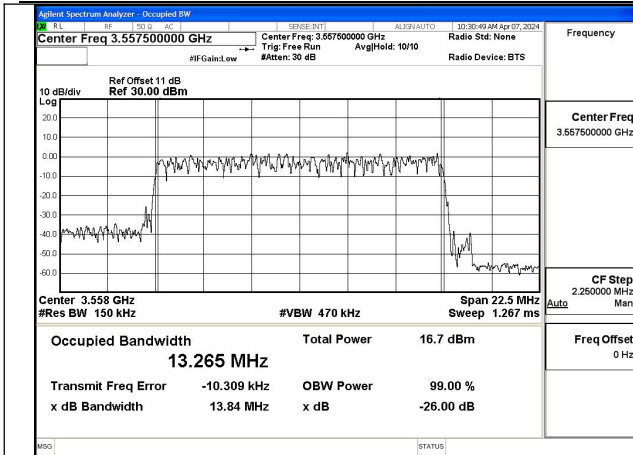


Fig.19

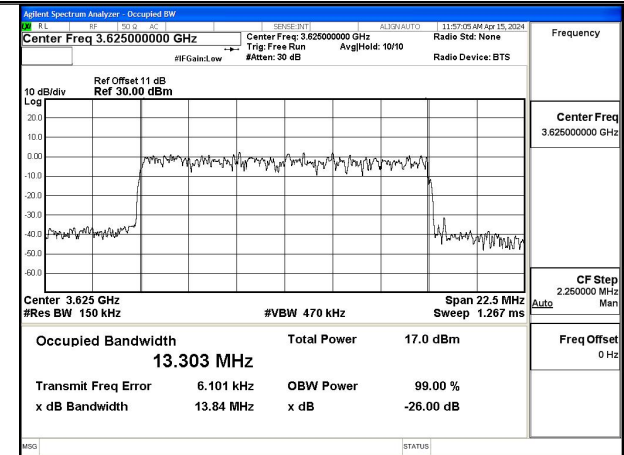


Fig.20

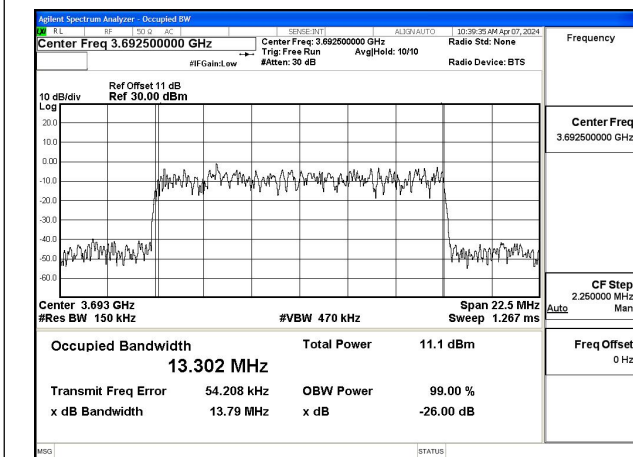


Fig.21

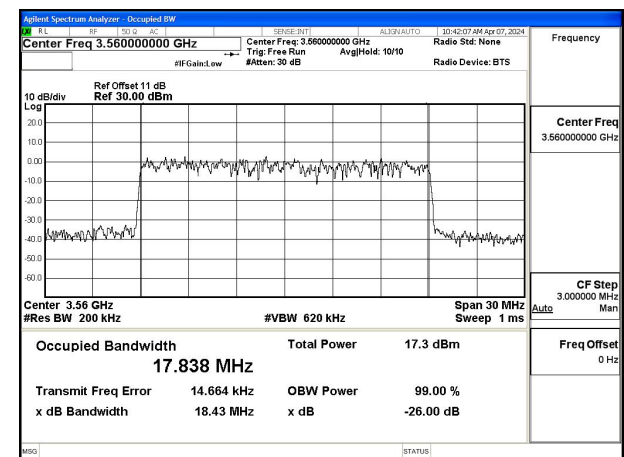


Fig.22

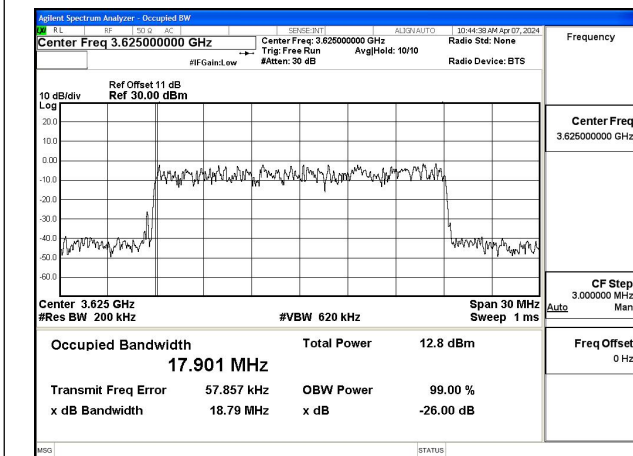


Fig.23

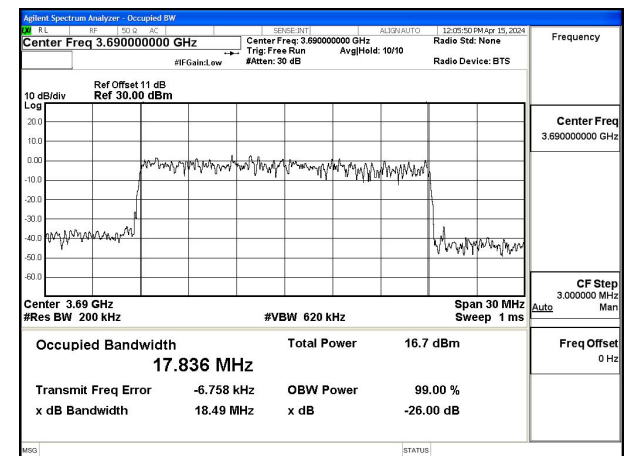


Fig.24

Test Mode: 64QAM

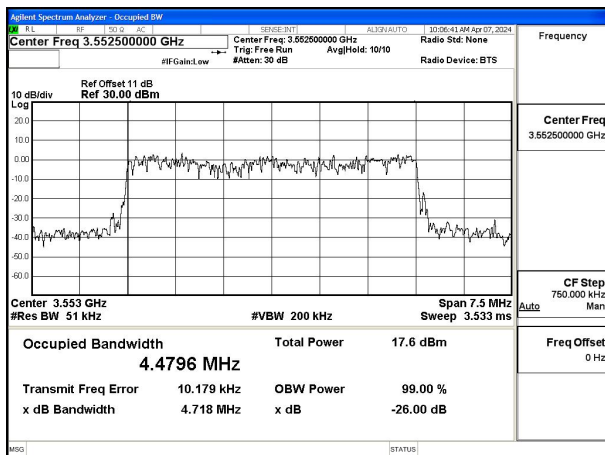


Fig.25

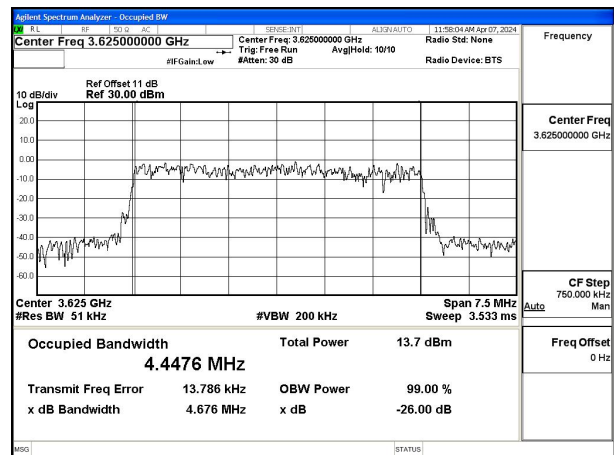


Fig.26

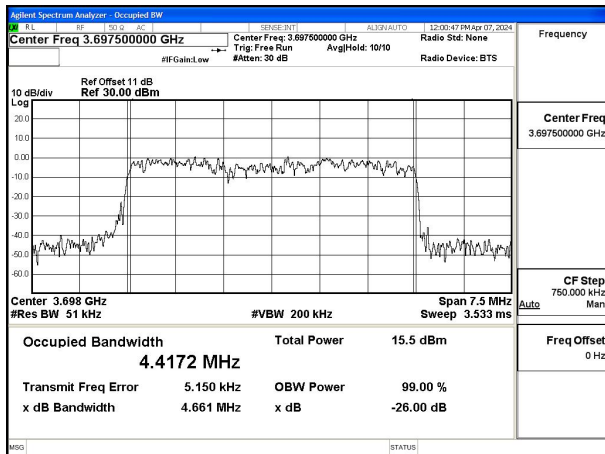


Fig.27

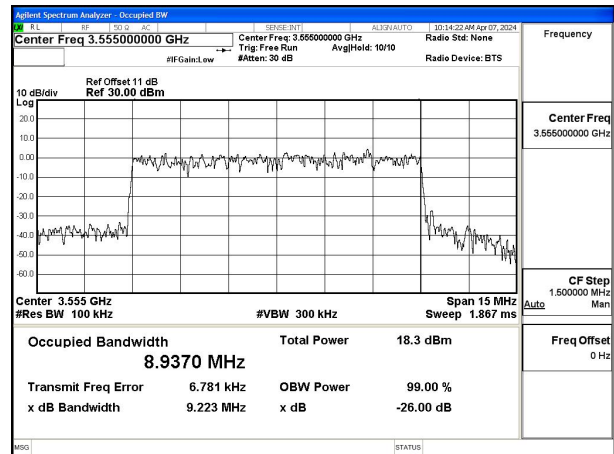


Fig.28

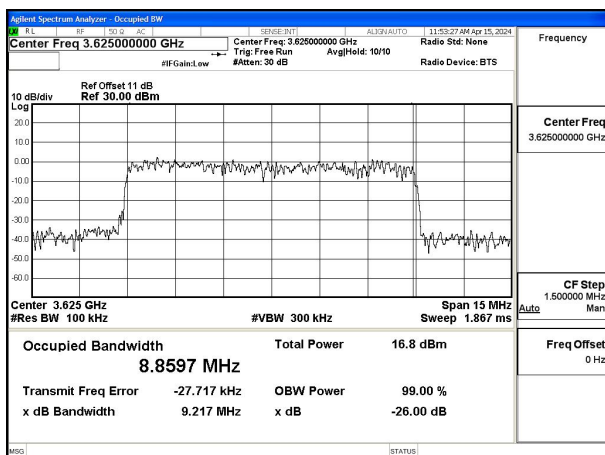


Fig.29

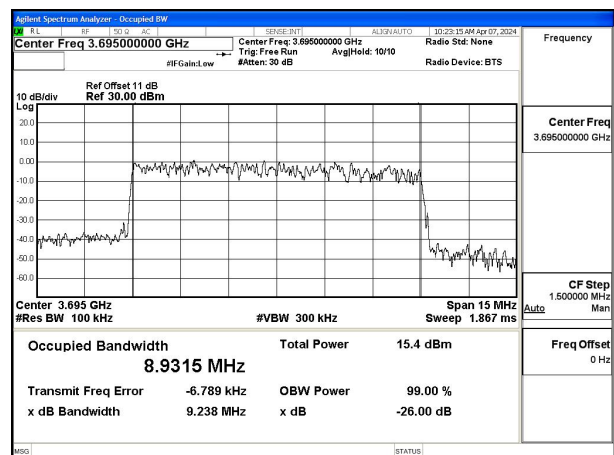


Fig.30

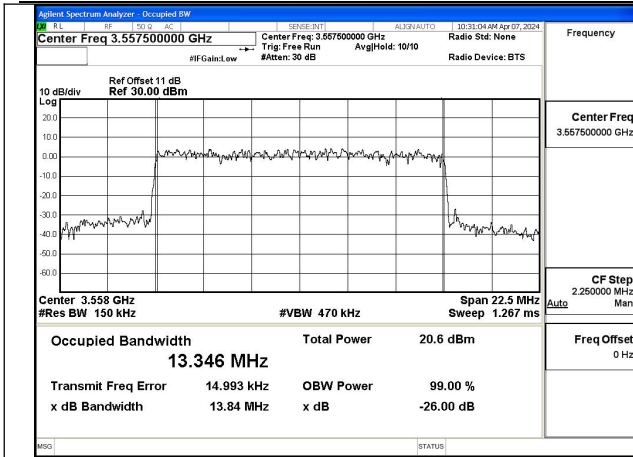


Fig.31

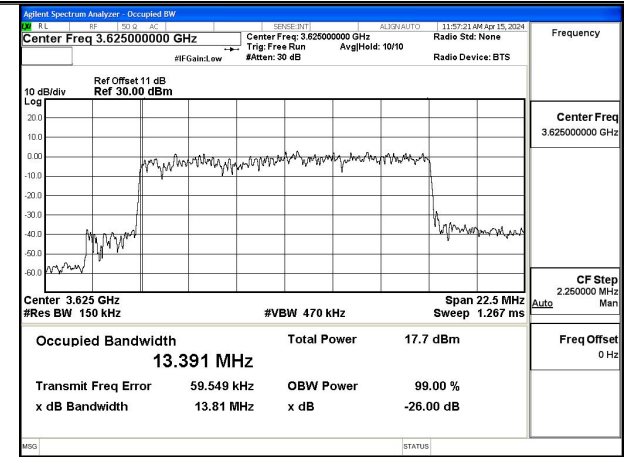


Fig.32

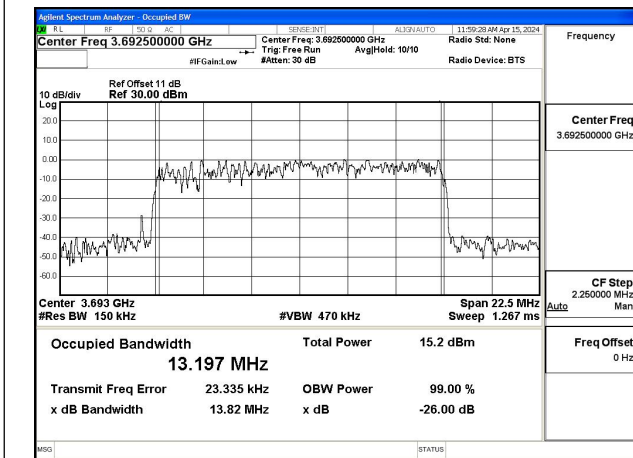


Fig.33

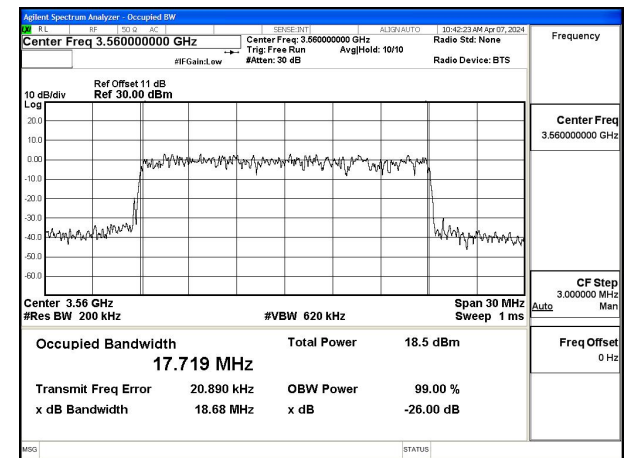


Fig.34

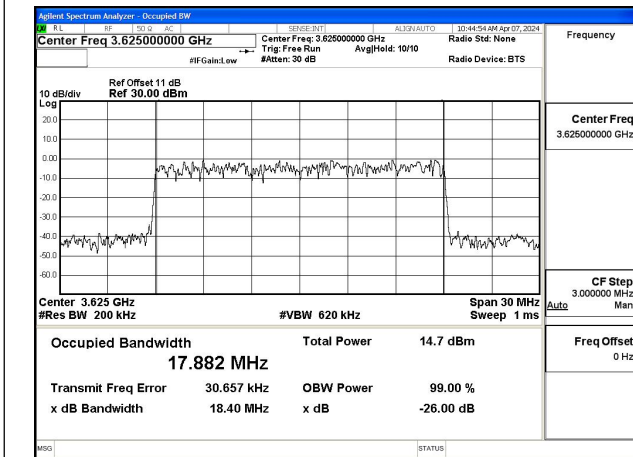


Fig.35

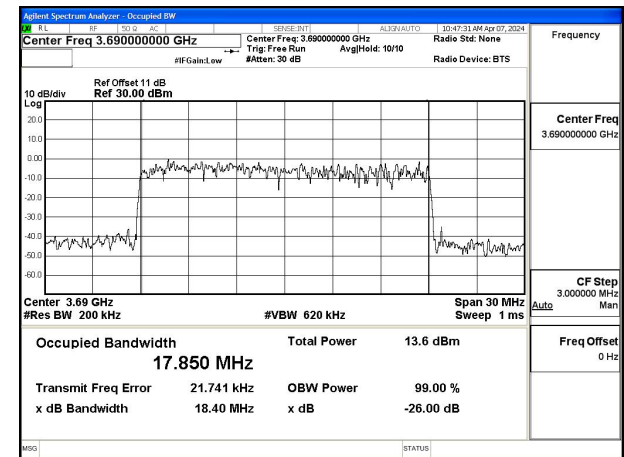


Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
48	QPSK	3552.5	55265	5	25	0	4.720	Fig.1
48	QPSK	3625	55990	5	25	0	4.701	Fig.2
48	QPSK	3697.5	56715	5	25	0	4.796	Fig.3
48	QPSK	3555	55290	10	50	0	9.213	Fig.4
48	QPSK	3625	55990	10	50	0	9.295	Fig.5
48	QPSK	3695	56690	10	50	0	9.207	Fig.6
48	QPSK	3557.5	55315	15	75	0	13.858	Fig.7
48	QPSK	3625	55990	15	75	0	13.771	Fig.8
48	QPSK	3692.5	56665	15	75	0	13.835	Fig.9
48	QPSK	3560	55340	20	100	0	18.407	Fig.10
48	QPSK	3625	55990	20	100	0	18.537	Fig.11
48	QPSK	3690	56640	20	100	0	18.390	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
48	16QAM	3552.5	55265	5	25	0	4.618	Fig.13
48	16QAM	3625	55990	5	25	0	4.623	Fig.14
48	16QAM	3697.5	56715	5	25	0	4.717	Fig.15
48	16QAM	3555	55290	10	50	0	9.212	Fig.16
48	16QAM	3625	55990	10	50	0	9.546	Fig.17
48	16QAM	3695	56690	10	50	0	9.221	Fig.18
48	16QAM	3557.5	55315	15	75	0	13.836	Fig.19
48	16QAM	3625	55990	15	75	0	13.843	Fig.20
48	16QAM	3692.5	56665	15	75	0	13.785	Fig.21
48	16QAM	3560	55340	20	100	0	18.435	Fig.22
48	16QAM	3625	55990	20	100	0	18.788	Fig.23
48	16QAM	3690	56640	20	100	0	18.492	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
48	64QAM	3552.5	55265	5	25	0	4.718	Fig.25
48	64QAM	3625	55990	5	25	0	4.676	Fig.26
48	64QAM	3697.5	56715	5	25	0	4.661	Fig.27
48	64QAM	3555	55290	10	50	0	9.223	Fig.28
48	64QAM	3625	55990	10	50	0	9.217	Fig.29
48	64QAM	3695	56690	10	50	0	9.238	Fig.30
48	64QAM	3557.5	55315	15	75	0	13.839	Fig.31
48	64QAM	3625	55990	15	75	0	13.813	Fig.32
48	64QAM	3692.5	56665	15	75	0	13.819	Fig.33
48	64QAM	3560	55340	20	100	0	18.676	Fig.34
48	64QAM	3625	55990	20	100	0	18.397	Fig.35
48	64QAM	3690	56640	20	100	0	18.404	Fig.36

Test Mode: QPSK

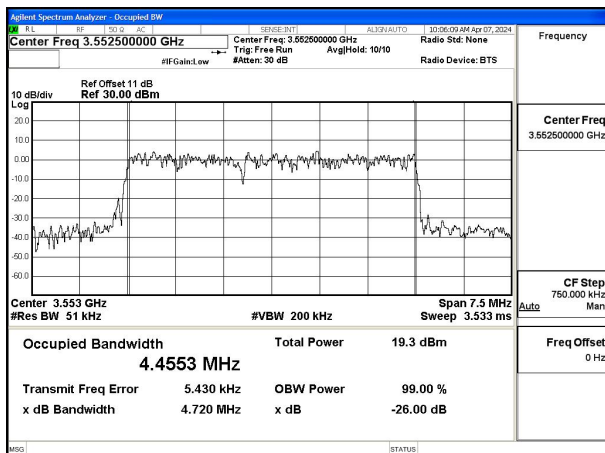


Fig.1

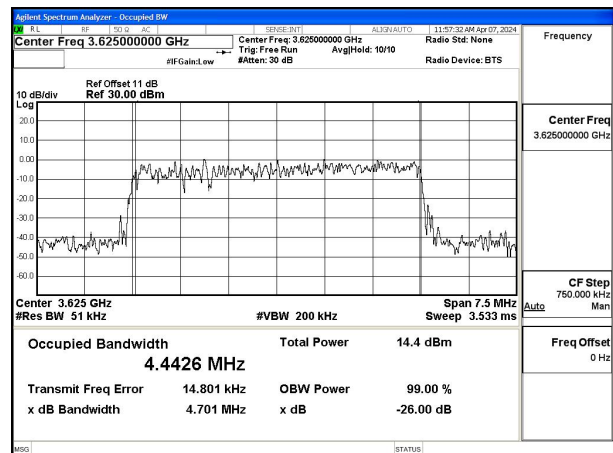


Fig.2

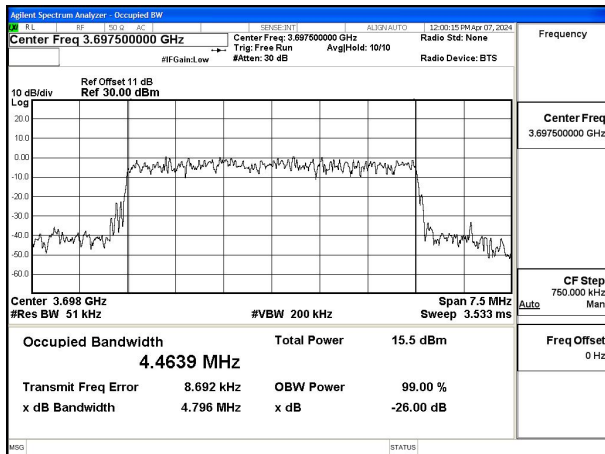


Fig.3

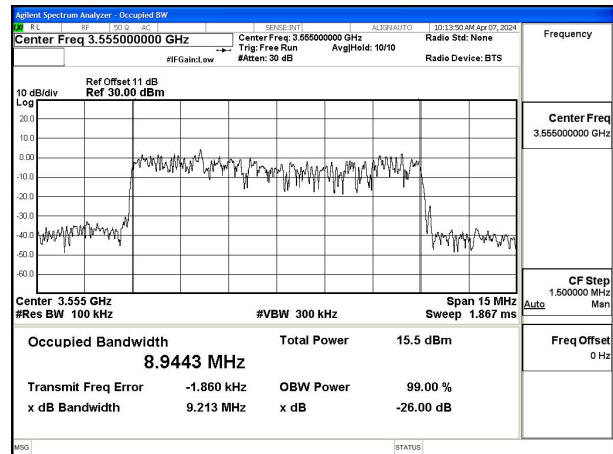


Fig.4

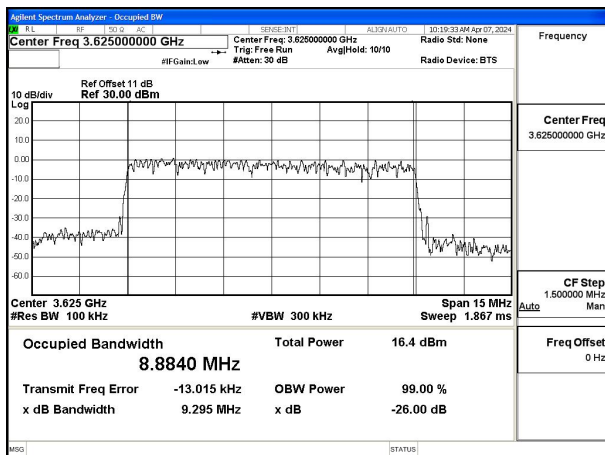


Fig.5

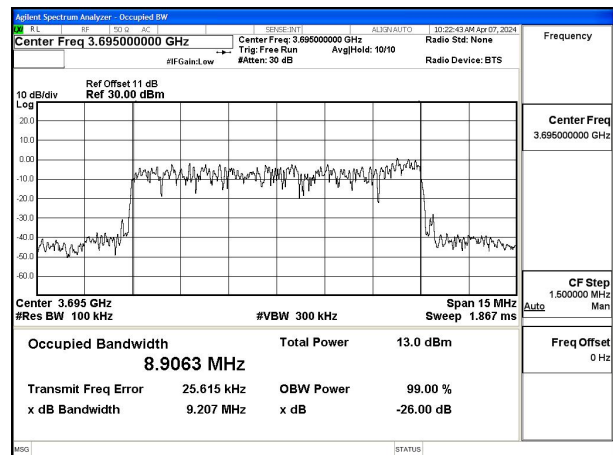


Fig.6