

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	23.33
QPSK	3552.5	55265	5	1	12	23.37
QPSK	3552.5	55265	5	1	24	23.33
QPSK	3552.5	55265	5	12	0	22.76
QPSK	3552.5	55265	5	12	7	22.77
QPSK	3552.5	55265	5	12	13	22.69
QPSK	3552.5	55265	5	25	0	22.71
QPSK	3625	55990	5	1	0	22.62
QPSK	3625	55990	5	1	12	22.65
QPSK	3625	55990	5	1	24	22.67
QPSK	3625	55990	5	12	0	22.07
QPSK	3625	55990	5	12	7	22.15
QPSK	3625	55990	5	12	13	22.02
QPSK	3625	55990	5	25	0	22.00
QPSK	3697.5	56715	5	1	0	22.86
QPSK	3697.5	56715	5	1	12	23.00
QPSK	3697.5	56715	5	1	24	23.00
QPSK	3697.5	56715	5	12	0	22.28
QPSK	3697.5	56715	5	12	7	22.26
QPSK	3697.5	56715	5	12	13	22.24
QPSK	3697.5	56715	5	25	0	22.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3552.5	55265	5	1	0	22.84
16QAM	3552.5	55265	5	1	12	22.82
16QAM	3552.5	55265	5	1	24	22.80
16QAM	3552.5	55265	5	12	0	21.70
16QAM	3552.5	55265	5	12	7	21.72
16QAM	3552.5	55265	5	12	13	21.74
16QAM	3552.5	55265	5	25	0	21.76
16QAM	3625	55990	5	1	0	22.19
16QAM	3625	55990	5	1	12	22.18
16QAM	3625	55990	5	1	24	22.19
16QAM	3625	55990	5	12	0	21.13
16QAM	3625	55990	5	12	7	21.12
16QAM	3625	55990	5	12	13	21.09
16QAM	3625	55990	5	25	0	21.06
16QAM	3697.5	56715	5	1	0	22.40
16QAM	3697.5	56715	5	1	12	22.40
16QAM	3697.5	56715	5	1	24	22.41
16QAM	3697.5	56715	5	12	0	21.45
16QAM	3697.5	56715	5	12	7	21.35
16QAM	3697.5	56715	5	12	13	21.24
16QAM	3697.5	56715	5	25	0	21.40
64QAM	3552.5	55265	5	1	0	22.78
64QAM	3552.5	55265	5	1	12	22.71
64QAM	3552.5	55265	5	1	24	22.79
64QAM	3552.5	55265	5	12	0	21.75
64QAM	3552.5	55265	5	12	7	21.78
64QAM	3552.5	55265	5	12	13	21.69
64QAM	3552.5	55265	5	25	0	21.68
64QAM	3625	55990	5	1	0	22.19
64QAM	3625	55990	5	1	12	22.05
64QAM	3625	55990	5	1	24	22.07
64QAM	3625	55990	5	12	0	21.09
64QAM	3625	55990	5	12	7	21.09
64QAM	3625	55990	5	12	13	21.06
64QAM	3625	55990	5	25	0	20.99
64QAM	3697.5	56715	5	1	0	22.38
64QAM	3697.5	56715	5	1	12	22.34
64QAM	3697.5	56715	5	1	24	22.27
64QAM	3697.5	56715	5	12	0	21.22
64QAM	3697.5	56715	5	12	7	21.32
64QAM	3697.5	56715	5	12	13	21.40
64QAM	3697.5	56715	5	25	0	21.23

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3555	55290	10	1	0	23.28
QPSK	3555	55290	10	1	25	23.31
QPSK	3555	55290	10	1	49	23.25
QPSK	3555	55290	10	25	0	22.71
QPSK	3555	55290	10	25	12	22.77
QPSK	3555	55290	10	25	25	22.71
QPSK	3555	55290	10	50	0	22.81
QPSK	3625	55990	10	1	0	22.55
QPSK	3625	55990	10	1	25	22.51
QPSK	3625	55990	10	1	49	22.65
QPSK	3625	55990	10	25	0	22.09
QPSK	3625	55990	10	25	12	22.08
QPSK	3625	55990	10	25	25	21.97
QPSK	3625	55990	10	50	0	21.92
QPSK	3695	56690	10	1	0	22.86
QPSK	3695	56690	10	1	25	22.92
QPSK	3695	56690	10	1	49	23.08
QPSK	3695	56690	10	25	0	22.24
QPSK	3695	56690	10	25	12	22.36
QPSK	3695	56690	10	25	25	22.35
QPSK	3695	56690	10	50	0	22.30

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3555	55290	10	1	0	22.58
16QAM	3555	55290	10	1	25	22.79
16QAM	3555	55290	10	1	49	22.76
16QAM	3555	55290	10	25	0	21.79
16QAM	3555	55290	10	25	12	21.77
16QAM	3555	55290	10	25	25	21.71
16QAM	3555	55290	10	50	0	21.81
16QAM	3625	55990	10	1	0	22.18
16QAM	3625	55990	10	1	25	22.06
16QAM	3625	55990	10	1	49	22.13
16QAM	3625	55990	10	25	0	21.04
16QAM	3625	55990	10	25	12	20.96
16QAM	3625	55990	10	25	25	20.94
16QAM	3625	55990	10	50	0	21.11
16QAM	3695	56690	10	1	0	22.39
16QAM	3695	56690	10	1	25	22.52
16QAM	3695	56690	10	1	49	22.42
16QAM	3695	56690	10	25	0	21.31
16QAM	3695	56690	10	25	12	21.34
16QAM	3695	56690	10	25	25	21.43
16QAM	3695	56690	10	50	0	21.30
64QAM	3555	55290	10	1	0	22.77
64QAM	3555	55290	10	1	25	22.71
64QAM	3555	55290	10	1	49	22.66
64QAM	3555	55290	10	25	0	21.74
64QAM	3555	55290	10	25	12	21.72
64QAM	3555	55290	10	25	25	21.50
64QAM	3555	55290	10	50	0	21.59
64QAM	3625	55990	10	1	0	21.98
64QAM	3625	55990	10	1	25	21.93
64QAM	3625	55990	10	1	49	22.10
64QAM	3625	55990	10	25	0	20.98
64QAM	3625	55990	10	25	12	21.00
64QAM	3625	55990	10	25	25	20.98
64QAM	3625	55990	10	50	0	20.95
64QAM	3695	56690	10	1	0	22.28
64QAM	3695	56690	10	1	25	22.27
64QAM	3695	56690	10	1	49	22.44
64QAM	3695	56690	10	25	0	21.23
64QAM	3695	56690	10	25	12	21.37
64QAM	3695	56690	10	25	25	21.37
64QAM	3695	56690	10	50	0	21.33

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3557.5	55315	15	1	0	23.27
QPSK	3557.5	55315	15	1	37	23.19
QPSK	3557.5	55315	15	1	74	23.05
QPSK	3557.5	55315	15	36	0	22.63
QPSK	3557.5	55315	15	36	29	22.60
QPSK	3557.5	55315	15	36	30	22.61
QPSK	3557.5	55315	15	75	0	22.45
QPSK	3625	55990	15	1	0	22.62
QPSK	3625	55990	15	1	37	22.59
QPSK	3625	55990	15	1	74	22.58
QPSK	3625	55990	15	36	0	22.01
QPSK	3625	55990	15	36	29	21.95
QPSK	3625	55990	15	36	30	22.06
QPSK	3625	55990	15	75	0	21.97
QPSK	3692.5	56665	15	1	0	22.94
QPSK	3692.5	56665	15	1	37	22.92
QPSK	3692.5	56665	15	1	74	23.04
QPSK	3692.5	56665	15	36	0	22.33
QPSK	3692.5	56665	15	36	29	22.22
QPSK	3692.5	56665	15	36	30	22.41
QPSK	3692.5	56665	15	75	0	22.19

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3557.5	55315	15	1	0	22.69
16QAM	3557.5	55315	15	1	37	22.62
16QAM	3557.5	55315	15	1	74	22.55
16QAM	3557.5	55315	15	36	0	21.67
16QAM	3557.5	55315	15	36	29	21.56
16QAM	3557.5	55315	15	36	30	21.56
16QAM	3557.5	55315	15	75	0	21.54
16QAM	3625	55990	15	1	0	22.12
16QAM	3625	55990	15	1	37	22.04
16QAM	3625	55990	15	1	74	22.14
16QAM	3625	55990	15	36	0	20.93
16QAM	3625	55990	15	36	29	20.98
16QAM	3625	55990	15	36	30	21.09
16QAM	3625	55990	15	75	0	21.05
16QAM	3692.5	56665	15	1	0	22.33
16QAM	3692.5	56665	15	1	37	22.39
16QAM	3692.5	56665	15	1	74	22.50
16QAM	3692.5	56665	15	36	0	21.35
16QAM	3692.5	56665	15	36	29	21.27
16QAM	3692.5	56665	15	36	30	21.27
16QAM	3692.5	56665	15	75	0	21.38
64QAM	3557.5	55315	15	1	0	22.62
64QAM	3557.5	55315	15	1	37	22.54
64QAM	3557.5	55315	15	1	74	22.47
64QAM	3557.5	55315	15	36	0	21.60
64QAM	3557.5	55315	15	36	29	21.67
64QAM	3557.5	55315	15	36	30	21.66
64QAM	3557.5	55315	15	75	0	21.54
64QAM	3625	55990	15	1	0	22.02
64QAM	3625	55990	15	1	37	21.91
64QAM	3625	55990	15	1	74	22.01
64QAM	3625	55990	15	36	0	20.93
64QAM	3625	55990	15	36	29	20.98
64QAM	3625	55990	15	36	30	21.09
64QAM	3625	55990	15	75	0	20.94
64QAM	3692.5	56665	15	1	0	22.21
64QAM	3692.5	56665	15	1	37	22.34
64QAM	3692.5	56665	15	1	74	22.45
64QAM	3692.5	56665	15	36	0	21.35
64QAM	3692.5	56665	15	36	29	21.27
64QAM	3692.5	56665	15	36	30	21.26
64QAM	3692.5	56665	15	75	0	21.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	3560	55340	20	1	0	23.36
QPSK	3560	55340	20	1	49	23.24
QPSK	3560	55340	20	1	99	23.00
QPSK	3560	55340	20	50	0	22.82
QPSK	3560	55340	20	50	24	22.60
QPSK	3560	55340	20	50	50	22.45
QPSK	3560	55340	20	100	0	22.52
QPSK	3625	55990	20	1	0	22.65
QPSK	3625	55990	20	1	49	22.57
QPSK	3625	55990	20	1	99	22.75
QPSK	3625	55990	20	50	0	22.09
QPSK	3625	55990	20	50	24	22.02
QPSK	3625	55990	20	50	50	22.03
QPSK	3625	55990	20	100	0	22.07
QPSK	3690	56640	20	1	0	22.79
QPSK	3690	56640	20	1	49	22.89
QPSK	3690	56640	20	1	99	22.98
QPSK	3690	56640	20	50	0	22.09
QPSK	3690	56640	20	50	24	22.22
QPSK	3690	56640	20	50	50	22.38
QPSK	3690	56640	20	100	0	22.30

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	3560	55340	20	1	0	22.73
16QAM	3560	55340	20	1	49	22.63
16QAM	3560	55340	20	1	99	22.38
16QAM	3560	55340	20	50	0	21.70
16QAM	3560	55340	20	50	24	21.58
16QAM	3560	55340	20	50	50	21.43
16QAM	3560	55340	20	100	0	21.50
16QAM	3625	55990	20	1	0	22.09
16QAM	3625	55990	20	1	49	22.08
16QAM	3625	55990	20	1	99	22.15
16QAM	3625	55990	20	50	0	20.99
16QAM	3625	55990	20	50	24	21.01
16QAM	3625	55990	20	50	50	21.03
16QAM	3625	55990	20	100	0	21.05
16QAM	3690	56640	20	1	0	22.31
16QAM	3690	56640	20	1	49	22.50
16QAM	3690	56640	20	1	99	22.49
16QAM	3690	56640	20	50	0	21.30
16QAM	3690	56640	20	50	24	21.22
16QAM	3690	56640	20	50	50	21.36
16QAM	3690	56640	20	100	0	21.18
64QAM	3560	55340	20	1	0	22.58
64QAM	3560	55340	20	1	49	22.52
64QAM	3560	55340	20	1	99	22.18
64QAM	3560	55340	20	50	0	21.64
64QAM	3560	55340	20	50	24	21.52
64QAM	3560	55340	20	50	50	21.37
64QAM	3560	55340	20	100	0	21.52
64QAM	3625	55990	20	1	0	22.09
64QAM	3625	55990	20	1	49	21.95
64QAM	3625	55990	20	1	99	22.02
64QAM	3625	55990	20	50	0	21.02
64QAM	3625	55990	20	50	24	21.05
64QAM	3625	55990	20	50	50	20.97
64QAM	3625	55990	20	100	0	21.07
64QAM	3690	56640	20	1	0	22.31
64QAM	3690	56640	20	1	49	22.24
64QAM	3690	56640	20	1	99	22.44
64QAM	3690	56640	20	50	0	21.12
64QAM	3690	56640	20	50	24	21.26
64QAM	3690	56640	20	50	50	21.30
64QAM	3690	56640	20	100	0	21.29

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	4.454	Fig.1
48	QPSK	3625	55990	5	25	0	4.415	Fig.2
48	QPSK	3697.5	56715	5	25	0	4.460	Fig.3
48	QPSK	3555	55290	10	50	0	8.942	Fig.4
48	QPSK	3625	55990	10	50	0	8.894	Fig.5
48	QPSK	3695	56690	10	50	0	8.922	Fig.6
48	QPSK	3557.5	55315	15	75	0	13.339	Fig.7
48	QPSK	3625	55990	15	75	0	13.377	Fig.8
48	QPSK	3692.5	56665	15	75	0	13.318	Fig.9
48	QPSK	3560	55340	20	100	0	17.547	Fig.10
48	QPSK	3625	55990	20	100	0	17.826	Fig.11
48	QPSK	3690	56640	20	100	0	17.745	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	4.442	Fig.13
48	16QAM	3625	55990	5	25	0	4.457	Fig.14
48	16QAM	3697.5	56715	5	25	0	4.447	Fig.15
48	16QAM	3555	55290	10	50	0	8.851	Fig.16
48	16QAM	3625	55990	10	50	0	8.912	Fig.17
48	16QAM	3695	56690	10	50	0	8.909	Fig.18
48	16QAM	3557.5	55315	15	75	0	13.346	Fig.19
48	16QAM	3625	55990	15	75	0	13.454	Fig.20
48	16QAM	3692.5	56665	15	75	0	13.344	Fig.21
48	16QAM	3560	55340	20	100	0	17.773	Fig.22
48	16QAM	3625	55990	20	100	0	17.838	Fig.23
48	16QAM	3690	56640	20	100	0	17.535	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	4.398	Fig.25
48	64QAM	3625	55990	5	25	0	4.455	Fig.26
48	64QAM	3697.5	56715	5	25	0	4.471	Fig.27
48	64QAM	3555	55290	10	50	0	8.812	Fig.28
48	64QAM	3625	55990	10	50	0	8.981	Fig.29
48	64QAM	3695	56690	10	50	0	8.956	Fig.30
48	64QAM	3557.5	55315	15	75	0	13.413	Fig.31
48	64QAM	3625	55990	15	75	0	13.401	Fig.32
48	64QAM	3692.5	56665	15	75	0	13.247	Fig.33
48	64QAM	3560	55340	20	100	0	17.696	Fig.34
48	64QAM	3625	55990	20	100	0	17.856	Fig.35
48	64QAM	3690	56640	20	100	0	17.653	Fig.36

Test Mode: QPSK

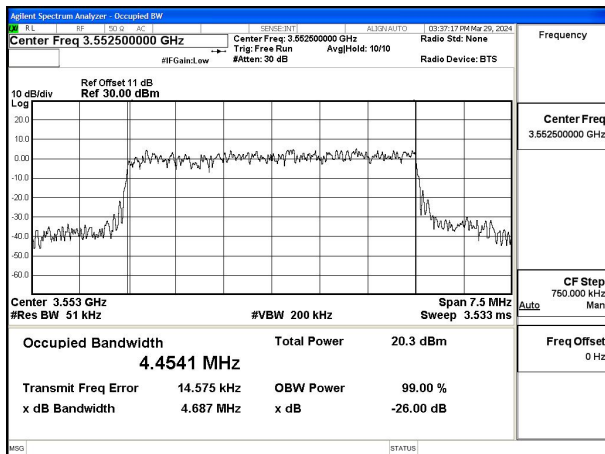


Fig.1

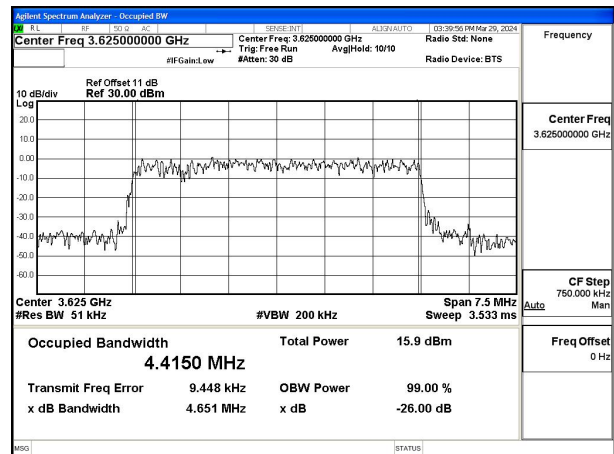


Fig.2

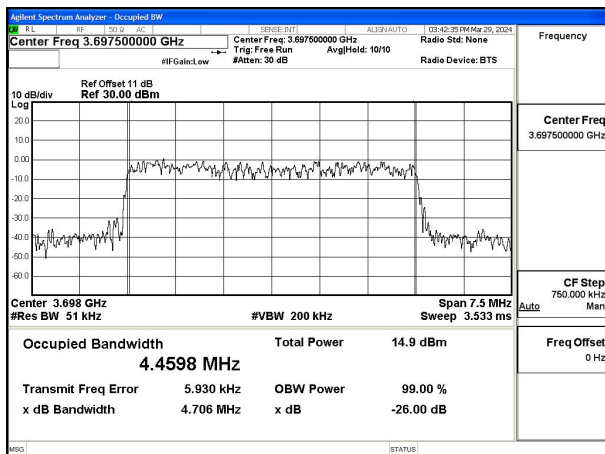


Fig.3

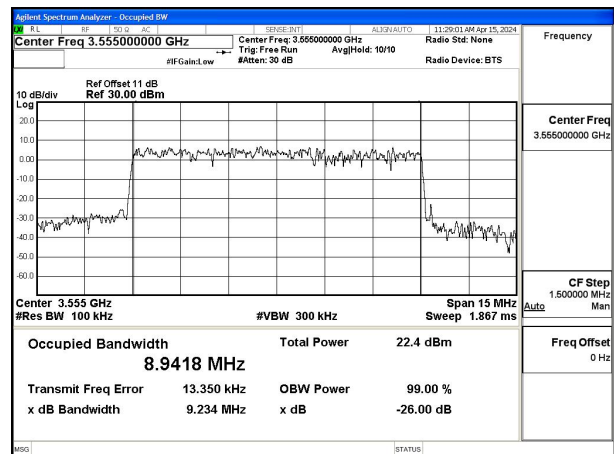


Fig.4

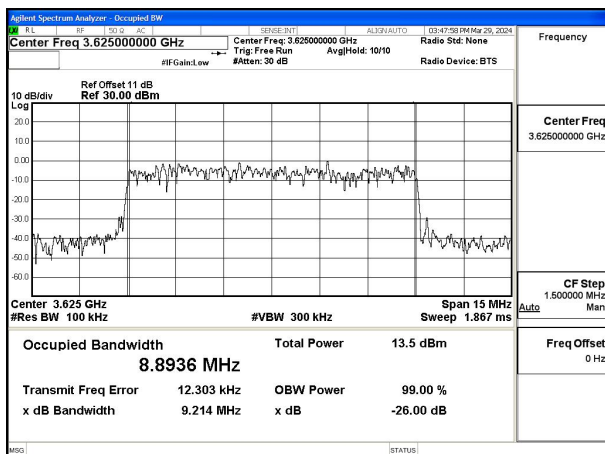


Fig.5

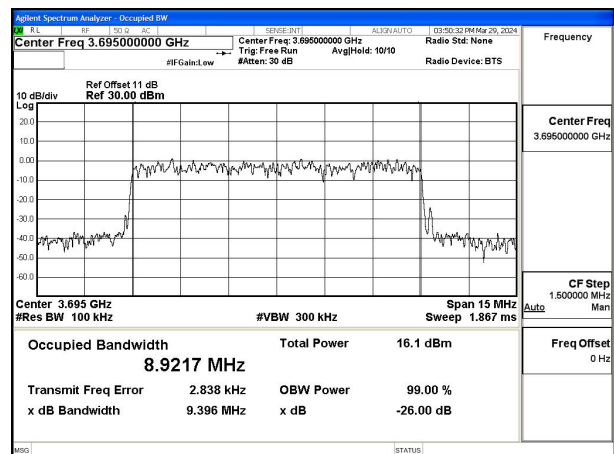


Fig.6

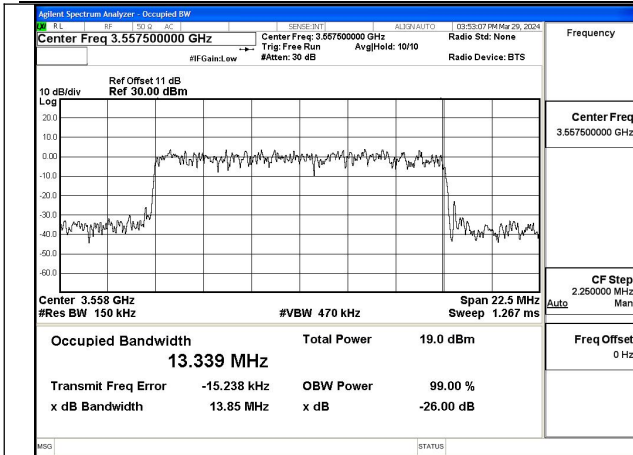


Fig.7

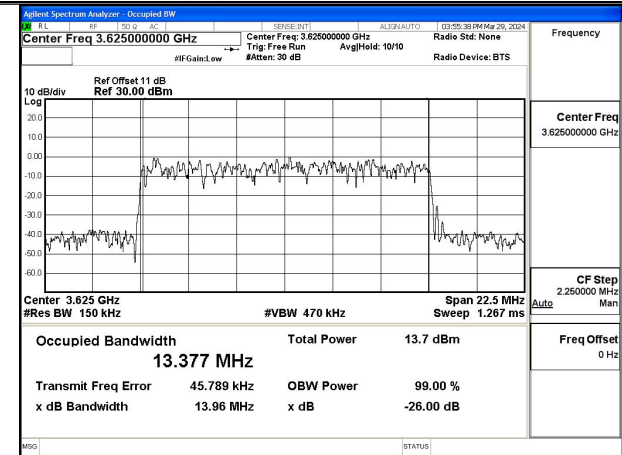


Fig.8

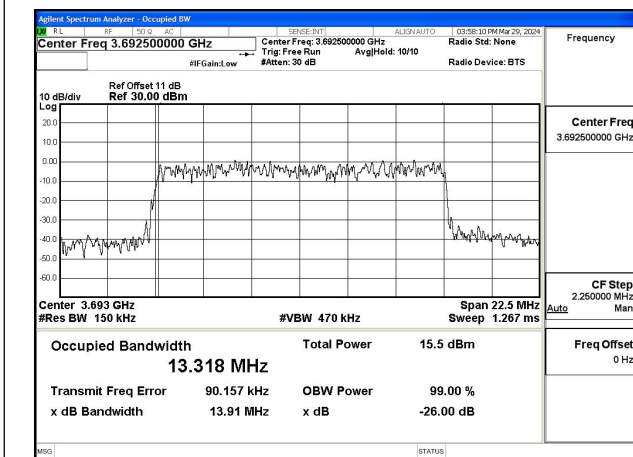


Fig.9

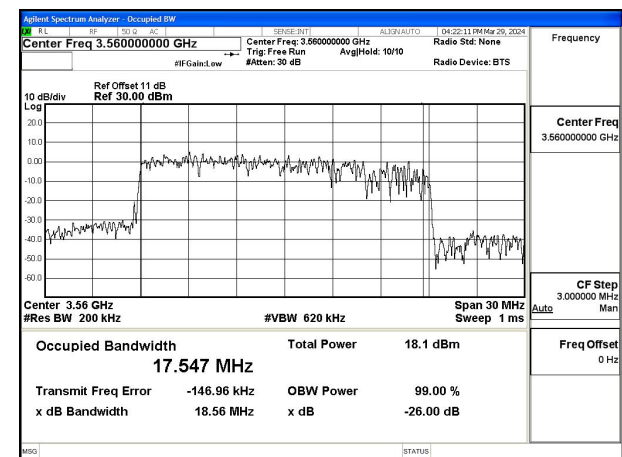


Fig.10

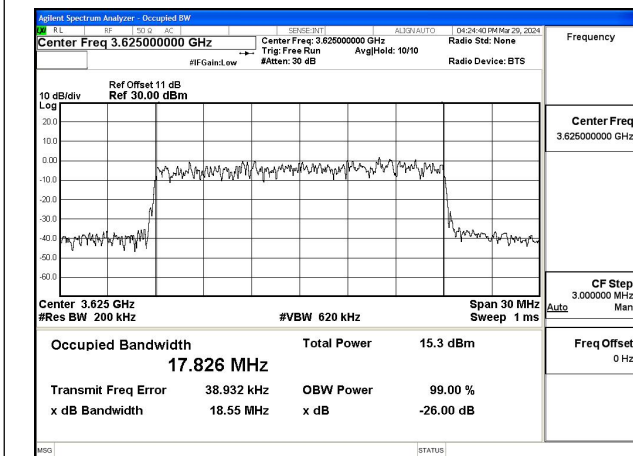


Fig.11

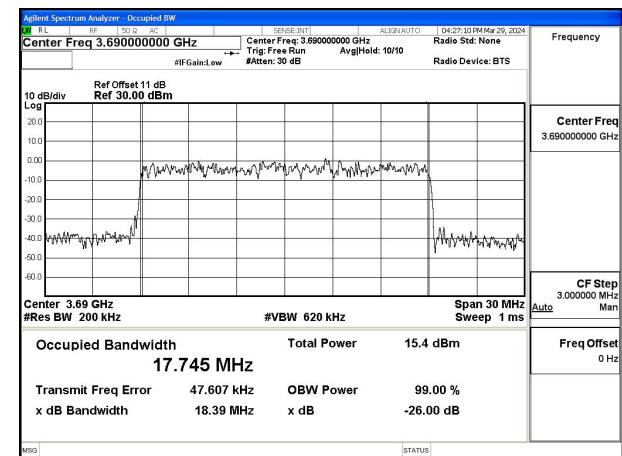


Fig.12

Test Mode: 16QAM

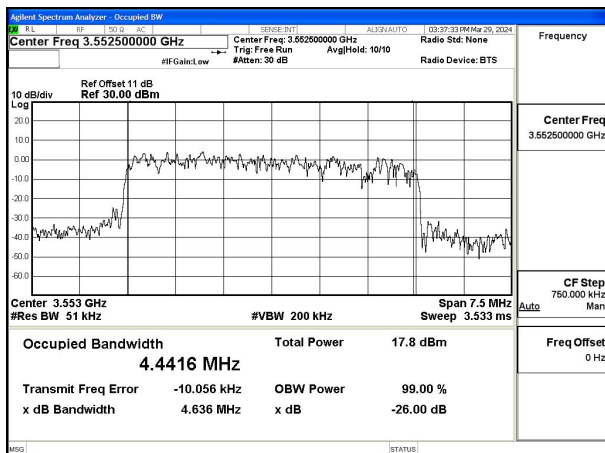


Fig.13

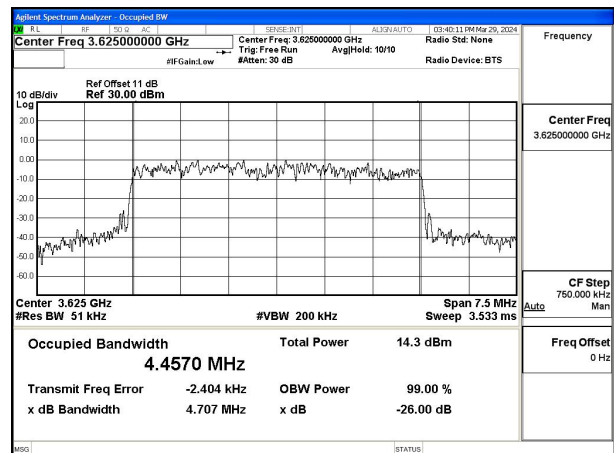


Fig.14

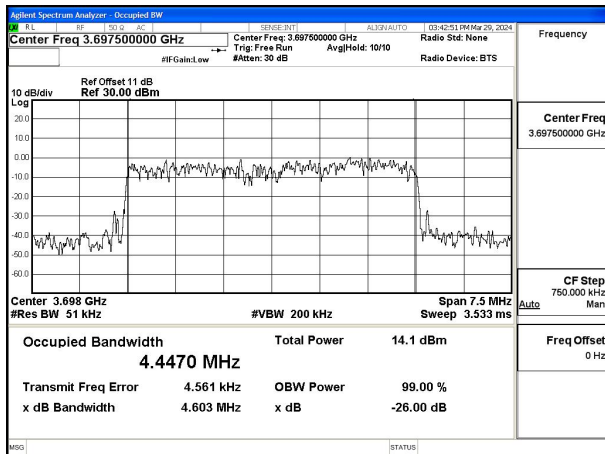


Fig.15

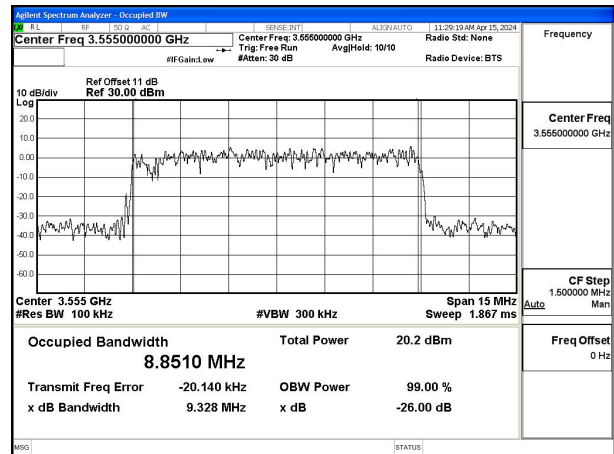


Fig.16

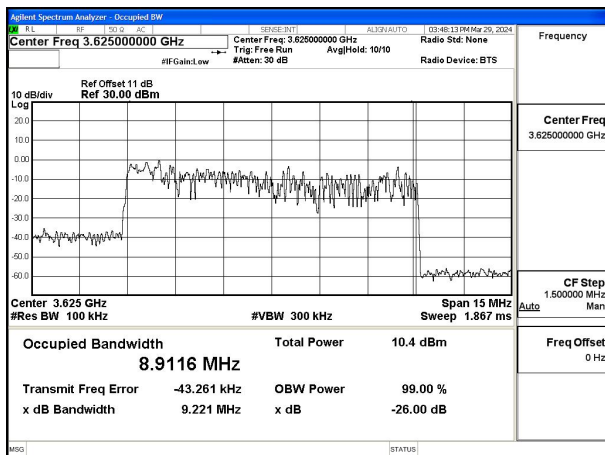


Fig.17

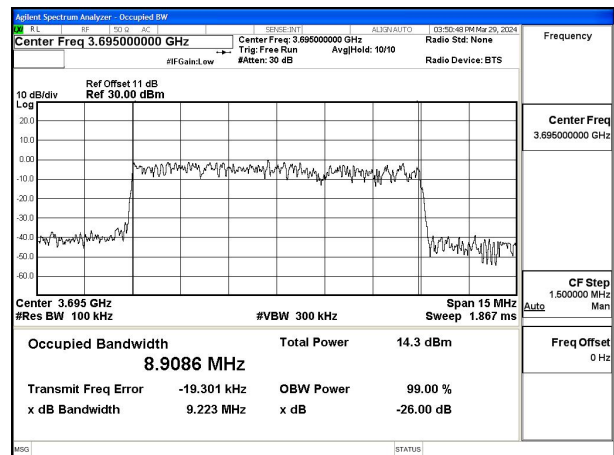


Fig.18

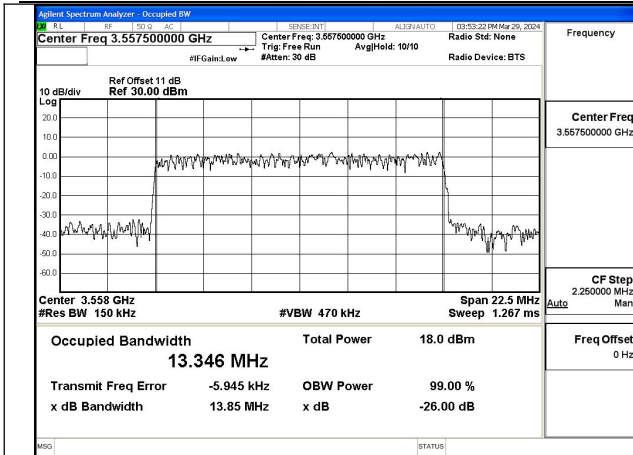


Fig.19

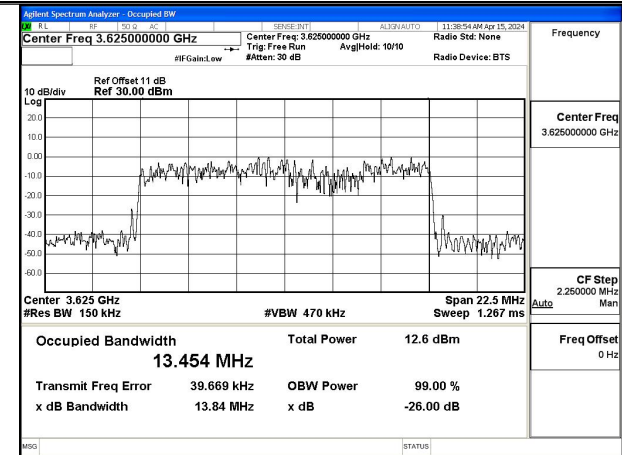


Fig.20

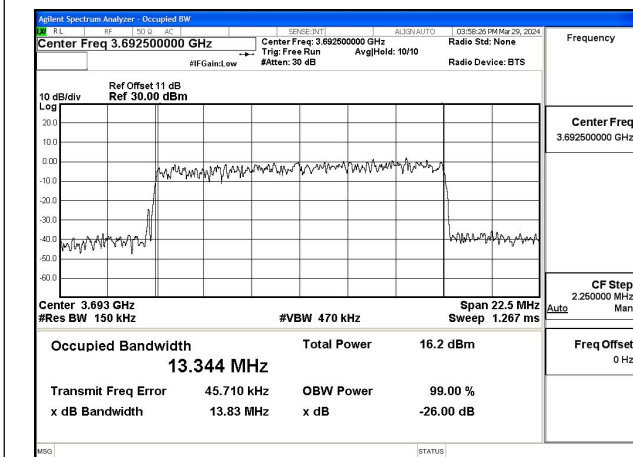


Fig.21

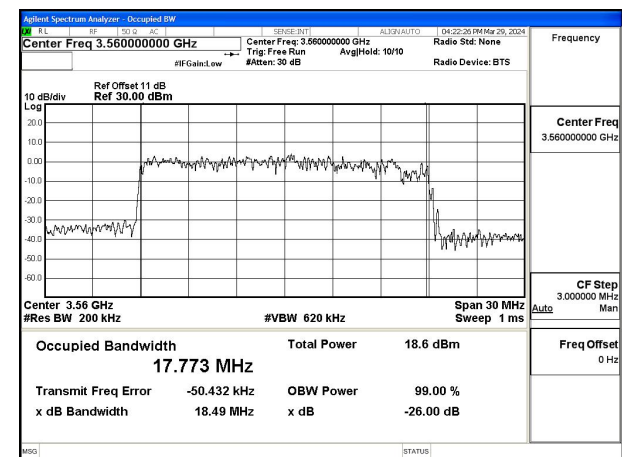


Fig.22

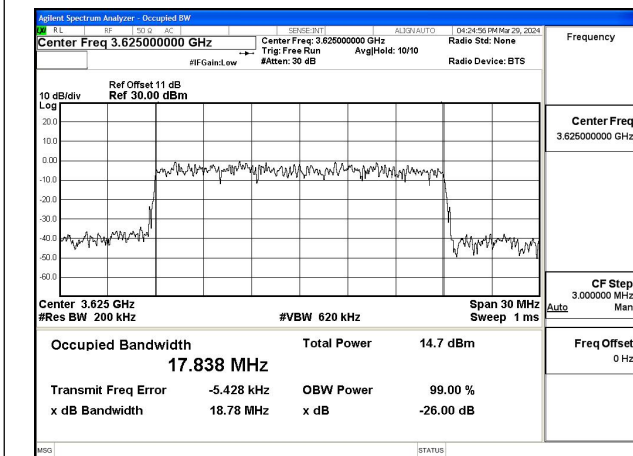


Fig.23

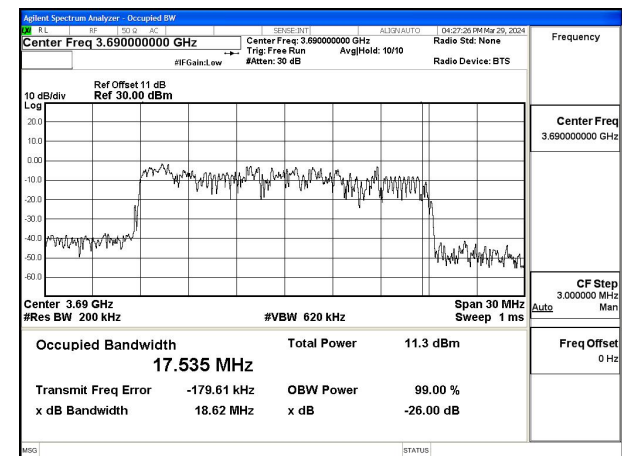


Fig.24

Test Mode: 64QAM

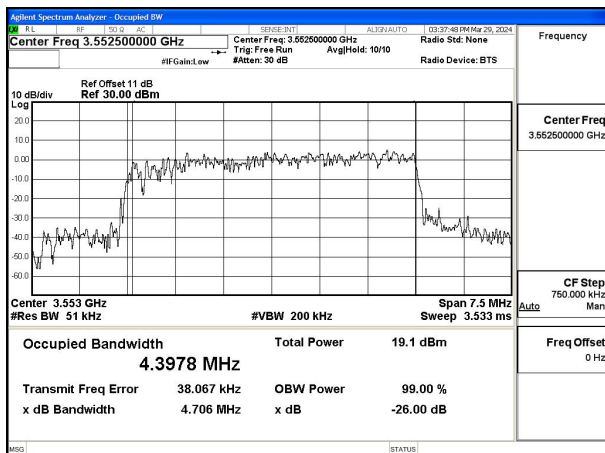


Fig.25

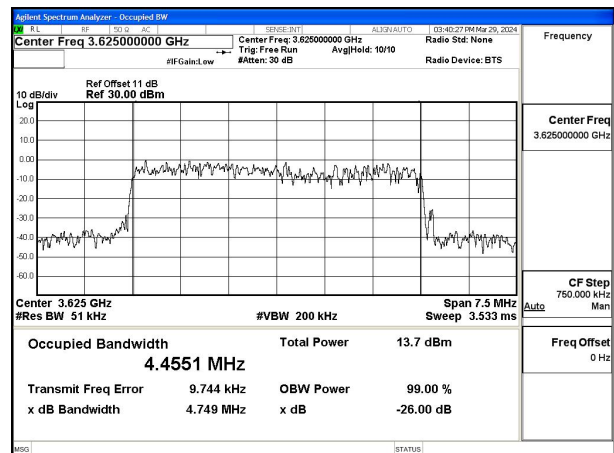


Fig.26

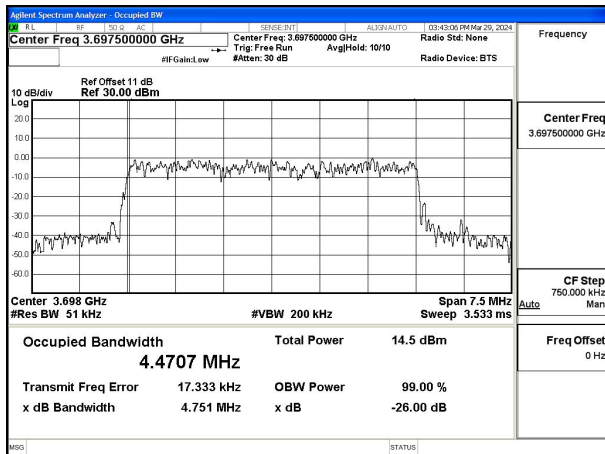


Fig.27

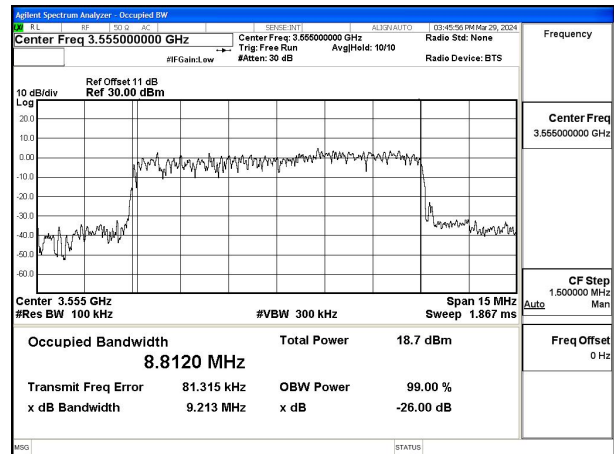


Fig.28

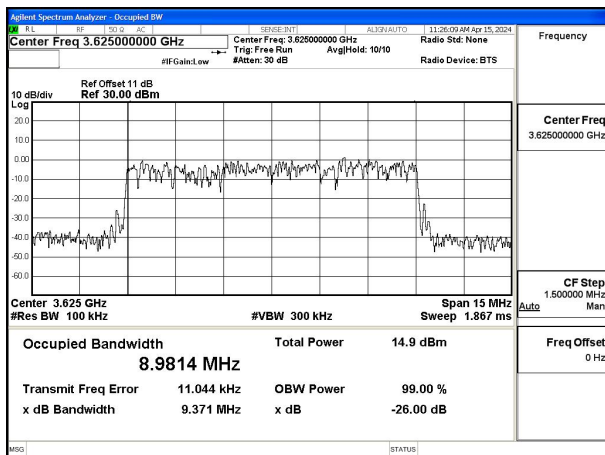


Fig.29

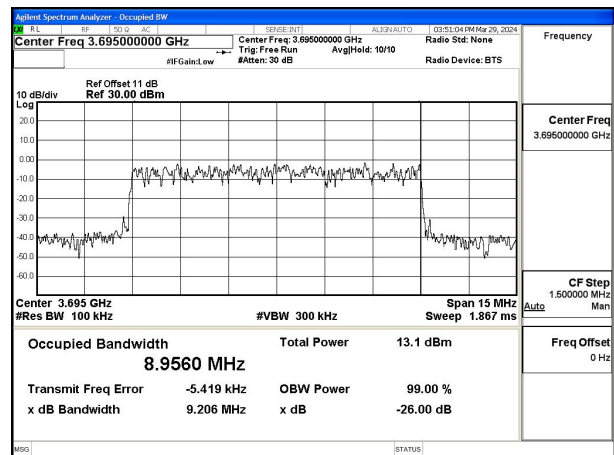


Fig.30

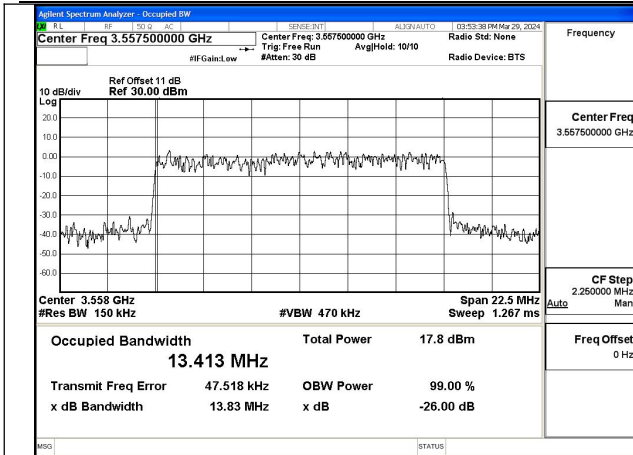


Fig.31

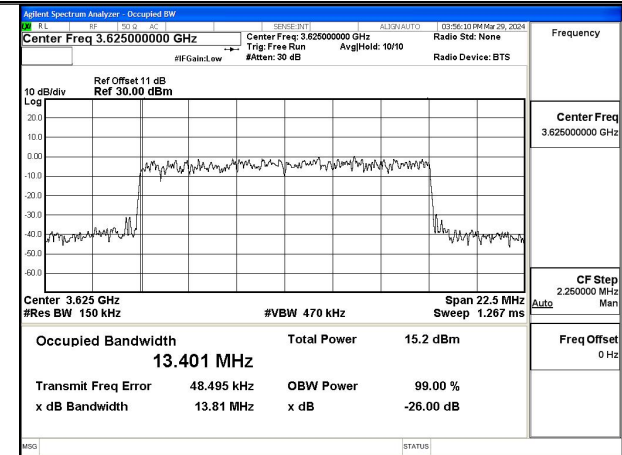


Fig.32

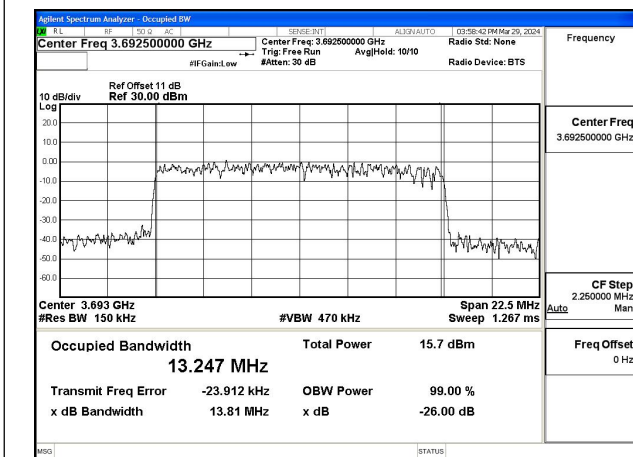


Fig.33

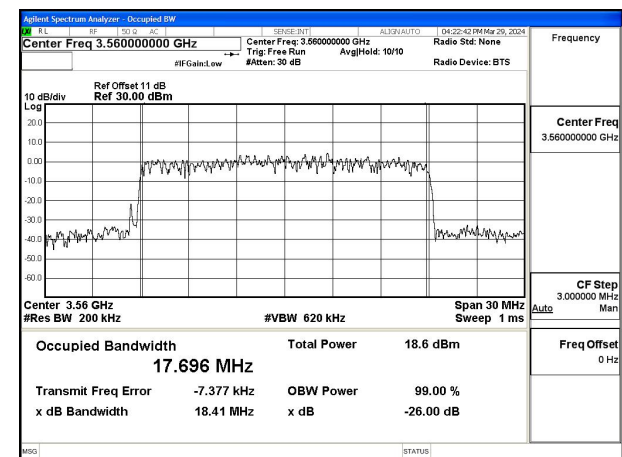


Fig.34

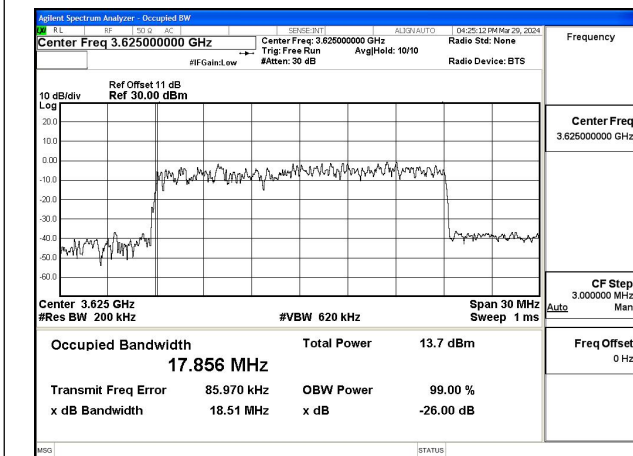


Fig.35

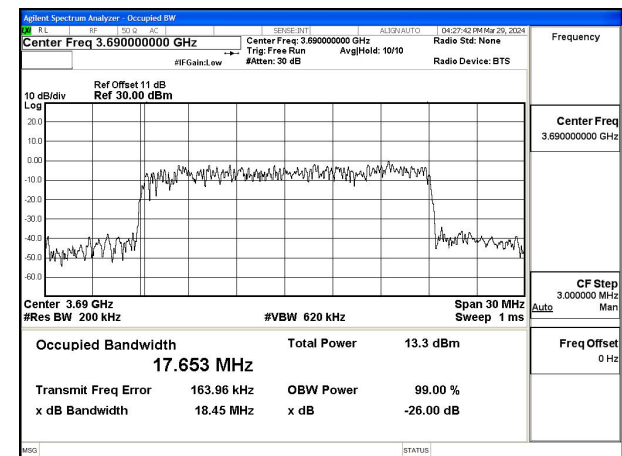


Fig.36

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	4.687	Fig.1
48	QPSK	3625	55990	5	25	0	4.651	Fig.2
48	QPSK	3697.5	56715	5	25	0	4.706	Fig.3
48	QPSK	3555	55290	10	50	0	9.234	Fig.4
48	QPSK	3625	55990	10	50	0	9.214	Fig.5
48	QPSK	3695	56690	10	50	0	9.396	Fig.6
48	QPSK	3557.5	55315	15	75	0	13.849	Fig.7
48	QPSK	3625	55990	15	75	0	13.964	Fig.8
48	QPSK	3692.5	56665	15	75	0	13.914	Fig.9
48	QPSK	3560	55340	20	100	0	18.561	Fig.10
48	QPSK	3625	55990	20	100	0	18.550	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	4.636	Fig.13
48	16QAM	3625	55990	5	25	0	4.707	Fig.14
48	16QAM	3697.5	56715	5	25	0	4.603	Fig.15
48	16QAM	3555	55290	10	50	0	9.328	Fig.16
48	16QAM	3625	55990	10	50	0	9.221	Fig.17
48	16QAM	3695	56690	10	50	0	9.223	Fig.18
48	16QAM	3557.5	55315	15	75	0	13.846	Fig.19
48	16QAM	3625	55990	15	75	0	13.836	Fig.20
48	16QAM	3692.5	56665	15	75	0	13.833	Fig.21
48	16QAM	3560	55340	20	100	0	18.494	Fig.22
48	16QAM	3625	55990	20	100	0	18.782	Fig.23
48	16QAM	3690	56640	20	100	0	18.620	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	4.706	Fig.25
48	64QAM	3625	55990	5	25	0	4.749	Fig.26
48	64QAM	3697.5	56715	5	25	0	4.751	Fig.27
48	64QAM	3555	55290	10	50	0	9.213	Fig.28
48	64QAM	3625	55990	10	50	0	9.371	Fig.29
48	64QAM	3695	56690	10	50	0	9.206	Fig.30
48	64QAM	3557.5	55315	15	75	0	13.834	Fig.31
48	64QAM	3625	55990	15	75	0	13.814	Fig.32
48	64QAM	3692.5	56665	15	75	0	13.810	Fig.33
48	64QAM	3560	55340	20	100	0	18.409	Fig.34
48	64QAM	3625	55990	20	100	0	18.514	Fig.35
48	64QAM	3690	56640	20	100	0	18.451	Fig.36

Test Mode: QPSK

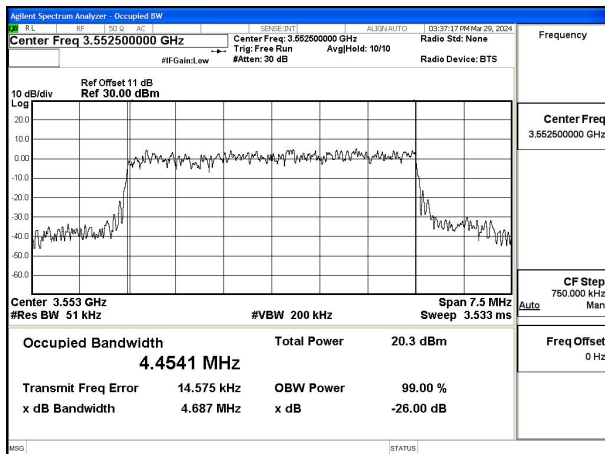


Fig.1

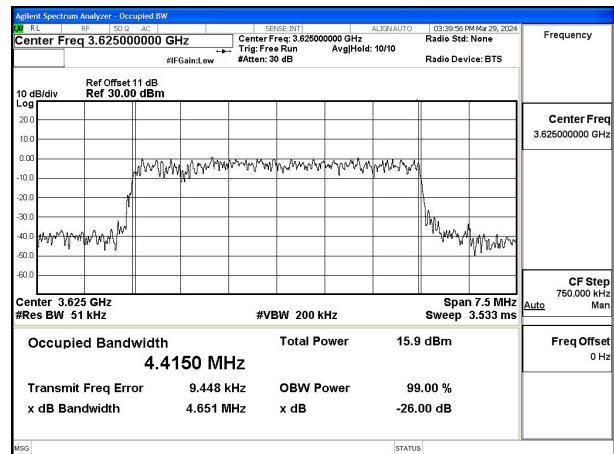


Fig.2

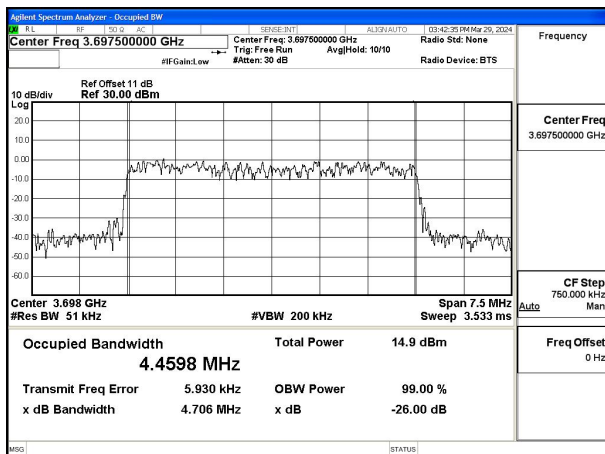


Fig.3

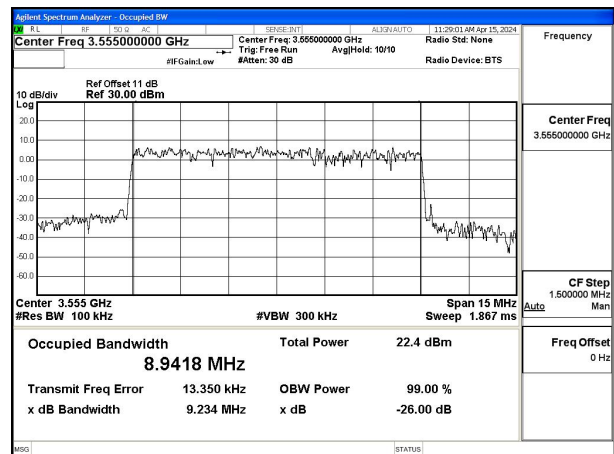


Fig.4

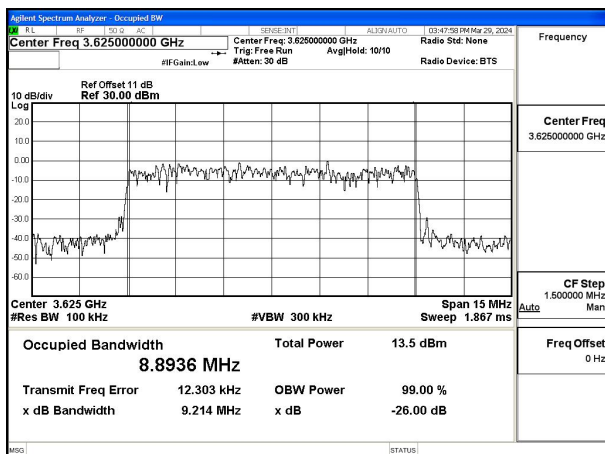


Fig.5

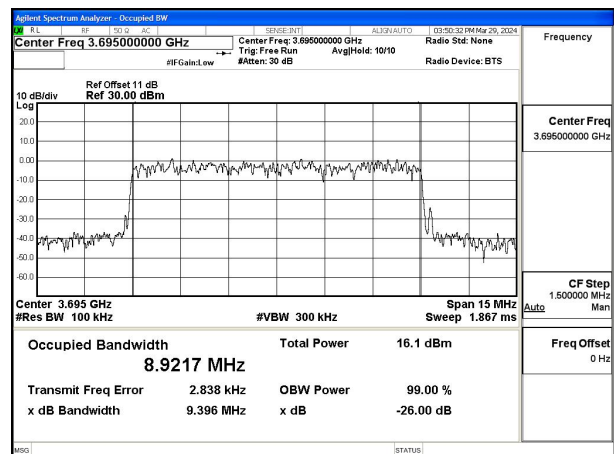


Fig.6