APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 41

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2498.5	39675	5	1	0	21.81
QPSK	2498.5	39675	5	1	12	22.11
QPSK	2498.5	39675	5	1	24	22.02
QPSK	2498.5	39675	5	12	0	21.06
QPSK	2498.5	39675	5	12	7	21.04
QPSK	2498.5	39675	5	12	13	20.97
QPSK	2498.5	39675	5	25	0	20.96
QPSK	2593	40620	5	1	0	21.86
QPSK	2593	40620	5	1	12	21.98
QPSK	2593	40620	5	1	24	21.91
QPSK	2593	40620	5	12	0	20.97
QPSK	2593	40620	5	12	7	20.92
QPSK	2593	40620	5	12	13	20.87
QPSK	2593	40620	5	25	0	20.89
QPSK	2687.5	41565	5	1	0	22.45
QPSK	2687.5	41565	5	1	12	22.46
QPSK	2687.5	41565	5	1	24	22.47
QPSK	2687.5	41565	5	12	0	21.56
QPSK	2687.5	41565	5	12	7	21.59
QPSK	2687.5	41565	5	12	13	21.48
QPSK	2687.5	41565	5	25	0	21.53

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2498.5	39675	5	1	0	21.34
16QAM	2498.5	39675	5	1	12	21.46
16QAM	2498.5	39675	5	1	24	21.48
16QAM	2498.5	39675	5	12	0	20.14
16QAM	2498.5	39675	5	12	7	20.08
16QAM	2498.5	39675	5	12	13	20.06
16QAM	2498.5	39675	5	25	0	19.95
16QAM	2593	40620	5	1	0	21.08
16QAM	2593	40620	5	1	12	21.17
16QAM	2593	40620	5	1	24	21.17
16QAM	2593	40620	5	12	0	20.06
16QAM	2593	40620	5	12	7	19.98
16QAM	2593	40620	5	12	13	19.82
16QAM	2593	40620	5	25	0	20.02
16QAM	2687.5	41565	5	1	0	21.56
16QAM	2687.5	41565	5	1	12	21.75
16QAM	2687.5	41565	5	1	24	21.43
16QAM	2687.5	41565	5	12	0	20.63
16QAM	2687.5	41565	5	12	7	20.63
16QAM	2687.5	41565	5	12	13	20.55
16QAM	2687.5	41565	5	25	0	20.51
64QAM	2498.5	39675	5	1	0	21.21
64QAM	2498.5	39675	5	1	12	21.15
64QAM	2498.5	39675	5	1	24	21.23
64QAM	2498.5	39675	5	12	0	20.05
64QAM	2498.5	39675	5	12	7	20.03
64QAM	2498.5	39675	5	12	13	20.01
64QAM	2498.5	39675	5	25	0	19.97
64QAM	2593	40620	5	1	0	21.14
64QAM	2593	40620	5	1	12	21.03
64QAM	2593	40620	5	1	24	21.08
64QAM	2593	40620	5	12	0	19.96
64QAM	2593	40620	5	12	7	19.96
64QAM	2593	40620	5	12	13	19.87
64QAM	2593	40620	5	25	0	19.82
64QAM	2687.5	41565	5	1	0	21.74
64QAM	2687.5	41565	5	1	12	21.72
64QAM	2687.5	41565	5	1	24	21.49
64QAM	2687.5	41565	5	12	0	20.49
64QAM	2687.5	41565	5	12	7	20.60
64QAM	2687.5	41565	5	12	13	20.52
64QAM	2687.5	41565	5	25	0	20.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2501	39700	10	1	0	22.03
QPSK	2501	39700	10	1	25	22.08
QPSK	2501	39700	10	1	49	22.08
QPSK	2501	39700	10	25	0	21.09
QPSK	2501	39700	10	25	12	21.01
QPSK	2501	39700	10	25	25	21.09
QPSK	2501	39700	10	50	0	21.03
QPSK	2593	40620	10	1	0	21.99
QPSK	2593	40620	10	1	25	22.02
QPSK	2593	40620	10	1	49	22.01
QPSK	2593	40620	10	25	0	20.95
QPSK	2593	40620	10	25	12	20.95
QPSK	2593	40620	10	25	25	20.93
QPSK	2593	40620	10	50	0	20.96
QPSK	2685	41540	10	1	0	22.45
QPSK	2685	41540	10	1	25	22.58
QPSK	2685	41540	10	1	49	22.54
QPSK	2685	41540	10	25	0	21.52
QPSK	2685	41540	10	25	12	21.53
QPSK	2685	41540	10	25	25	21.53
QPSK	2685	41540	10	50	0	21.53

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2501	39700	10	1	0	21.35
16QAM	2501	39700	10	1	25	21.52
16QAM	2501	39700	10	1	49	21.54
16QAM	2501	39700	10	25	0	20.07
16QAM	2501	39700	10	25	12	20.04
16QAM	2501	39700	10	25	25	20.05
16QAM	2501	39700	10	50	0	19.92
16QAM	2593	40620	10	1	0	21.22
16QAM	2593	40620	10	1	25	21.01
16QAM	2593	40620	10	1	49	20.95
16QAM	2593	40620	10	25	0	19.95
16QAM	2593	40620	10	25	12	20.00
16QAM	2593	40620	10	25	25	19.95
16QAM	2593	40620	10	50	0	19.90
16QAM	2685	41540	10	1	0	21.40
16QAM	2685	41540	10	1	25	21.64
16QAM	2685	41540	10	1	49	21.53
16QAM	2685	41540	10	25	0	20.54
16QAM	2685	41540	10	25	12	20.63
16QAM	2685	41540	10	25	25	20.57
16QAM	2685	41540	10	50	0	20.34
64QAM	2501	39700	10	1	0	20.78
64QAM	2501	39700	10	1	25	21.47
64QAM	2501	39700	10	1	49	21.41
64QAM	2501	39700	10	25	0	19.94
64QAM	2501	39700	10	25	12	19.90
64QAM	2501	39700	10	25	25	20.05
64QAM	2501	39700	10	50	0	20.07
64QAM	2593	40620	10	1	0	21.03
64QAM	2593	40620	10	1	25	21.51
64QAM	2593	40620	10	1	49	21.18
64QAM	2593	40620	10	25	0	19.99
64QAM	2593	40620	10	25	12	19.99
64QAM	2593	40620	10	25	25	20.01
64QAM	2593	40620	10	50	0	19.96
64QAM	2685	41540	10	1	0	21.46
64QAM	2685	41540	10	1	25	21.56
64QAM	2685	41540	10	1	49	21.59
64QAM	2685	41540	10	25	0	20.44
64QAM	2685	41540	10	25	12	20.54
64QAM	2685	41540	10	25	25	20.57
64QAM	2685	41540	10	50	0	20.34

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2503.5	39725	15	1	0	21.61
QPSK	2503.5	39725	15	1	37	22.22
QPSK	2503.5	39725	15	1	74	21.89
QPSK	2503.5	39725	15	36	0	20.89
QPSK	2503.5	39725	15	36	29	20.89
QPSK	2503.5	39725	15	36	30	20.81
QPSK	2503.5	39725	15	75	0	20.94
QPSK	2593	40620	15	1	0	21.77
QPSK	2593	40620	15	1	37	21.95
QPSK	2593	40620	15	1	74	21.98
QPSK	2593	40620	15	36	0	20.78
QPSK	2593	40620	15	36	29	20.78
QPSK	2593	40620	15	36	30	20.78
QPSK	2593	40620	15	75	0	20.79
QPSK	2682.5	41515	15	1	0	22.22
QPSK	2682.5	41515	15	1	37	22.48
QPSK	2682.5	41515	15	1	74	22.51
QPSK	2682.5	41515	15	36	0	21.40
QPSK	2682.5	41515	15	36	29	21.40
QPSK	2682.5	41515	15	36	30	21.38
QPSK	2682.5	41515	15	75	0	21.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2503.5	39725	15	1	0	20.98
16QAM	2503.5	39725	15	1	37	21.14
16QAM	2503.5	39725	15	1	74	21.23
16QAM	2503.5	39725	15	36	0	19.87
16QAM	2503.5	39725	15	36	29	19.80
16QAM	2503.5	39725	15	36	30	20.00
16QAM	2503.5	39725	15	75	0	19.97
16QAM	2593	40620	15	1	0	20.62
16QAM	2593	40620	15	1	37	20.85
16QAM	2593	40620	15	1	74	20.84
16QAM	2593	40620	15	36	0	19.85
16QAM	2593	40620	15	36	29	19.90
16QAM	2593	40620	15	36	30	19.89
16QAM	2593	40620	15	75	0	19.71
16QAM	2682.5	41515	15	1	0	21.71
16QAM	2682.5	41515	15	1	37	21.71
16QAM	2682.5	41515	15	1	74	22.02
16QAM	2682.5	41515	15	36	0	20.34
16QAM	2682.5	41515	15	36	29	20.36
16QAM	2682.5	41515	15	36	30	20.33
16QAM	2682.5	41515	15	75	0	20.33
64QAM	2503.5	39725	15	1	0	21.11
64QAM	2503.5	39725	15	1	37	21.22
64QAM	2503.5	39725	15	1	74	21.24
64QAM	2503.5	39725	15	36	0	19.95
64QAM	2503.5	39725	15	36	29	19.88
64QAM	2503.5	39725	15	36	30	19.85
64QAM	2503.5	39725	15	75	0	19.96
64QAM	2593	40620	15	1	0	21.22
64QAM	2593	40620	15	1	37	20.71
64QAM	2593	40620	15	1	74	21.21
64QAM	2593	40620	15	36	0	19.86
64QAM	2593	40620	15	36	29	19.73
64QAM	2593	40620	15	36	30	19.80
64QAM	2593	40620	15	75	0	19.81
64QAM	2682.5	41515	15	1	0	21.39
64QAM	2682.5	41515	15	1	37	21.12
64QAM	2682.5	41515	15	1	74	21.16
64QAM	2682.5	41515	15	36	0	20.33
64QAM	2682.5	41515	15	36	29	20.31
64QAM	2682.5	41515	15	36	30	20.34
64QAM	2682.5	41515	15	75	0	20.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2506	39750	20	1	0	21.84
QPSK	2506	39750	20	1	49	21.85
QPSK	2506	39750	20	1	99	22.15
QPSK	2506	39750	20	50	0	20.89
QPSK	2506	39750	20	50	24	20.94
QPSK	2506	39750	20	50	50	21.02
QPSK	2506	39750	20	100	0	20.89
QPSK	2593	40620	20	1	0	21.93
QPSK	2593	40620	20	1	49	21.97
QPSK	2593	40620	20	1	99	22.00
QPSK	2593	40620	20	50	0	20.84
QPSK	2593	40620	20	50	24	20.83
QPSK	2593	40620	20	50	50	20.75
QPSK	2593	40620	20	100	0	20.80
QPSK	2680	41490	20	1	0	22.15
QPSK	2680	41490	20	1	49	22.59
QPSK	2680	41490	20	1	99	22.46
QPSK	2680	41490	20	50	0	21.42
QPSK	2680	41490	20	50	24	21.41
QPSK	2680	41490	20	50	50	21.32
QPSK	2680	41490	20	100	0	21.34

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2506	39750	20	1	0	21.41
16QAM	2506	39750	20	1	49	21.20
16QAM	2506	39750	20	1	99	21.36
16QAM	2506	39750	20	50	0	19.91
16QAM	2506	39750	20	50	24	19.98
16QAM	2506	39750	20	50	50	19.93
16QAM	2506	39750	20	100	0	19.89
16QAM	2593	40620	20	1	0	21.21
16QAM	2593	40620	20	1	49	21.21
16QAM	2593	40620	20	1	99	21.16
16QAM	2593	40620	20	50	0	19.85
16QAM	2593	40620	20	50	24	19.73
16QAM	2593	40620	20	50	50	19.76
16QAM	2593	40620	20	100	0	19.84
16QAM	2680	41490	20	1	0	21.92
16QAM	2680	41490	20	1	49	21.66
16QAM	2680	41490	20	1	99	21.57
16QAM	2680	41490	20	50	0	20.40
16QAM	2680	41490	20	50	24	20.43
16QAM	2680	41490	20	50	50	20.41
16QAM	2680	41490	20	100	0	20.37
64QAM	2506	39750	20	1	0	20.99
64QAM	2506	39750	20	1	49	21.03
64QAM	2506	39750	20	1	99	21.17
64QAM	2506	39750	20	50	0	19.99
64QAM	2506	39750	20	50	24	19.93
64QAM	2506	39750	20	50	50	19.97
64QAM	2506	39750	20	100	0	19.89
64QAM	2593	40620	20	1	0	21.20
64QAM	2593	40620	20	1	49	20.72
64QAM	2593	40620	20	1	99	21.15
64QAM	2593	40620	20	50	0	19.84
64QAM	2593	40620	20	50	24	19.82
64QAM	2593	40620	20	50	50	19.76
64QAM	2593	40620	20	100	0	19.80
64QAM	2680	41490	20	1	0	21.51
64QAM	2680	41490	20	1	49	21.55
64QAM	2680	41490	20	1	99	21.28
64QAM	2680	41490	20	50	0	20.44
64QAM	2680	41490	20	50	24	20.48
64QAM	2680	41490	20	50	50	20.37
64QAM	2680	41490	20	100	0	20.34

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
41	QPSK	2498.5	39675	5	25	0	4.442	Fig.1
41	QPSK	2593	40620	5	25	0	4.482	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.409	Fig.3
41	QPSK	2501	39700	10	50	0	8.870	Fig.4
41	QPSK	2593	40620	10	50	0	8.928	Fig.5
41	QPSK	2685	41540	10	50	0	8.840	Fig.6
41	QPSK	2503.5	39725	15	75	0	13.365	Fig.7
41	QPSK	2593	40620	15	75	0	13.082	Fig.8
41	QPSK	2682.5	41515	15	75	0	13.403	Fig.9
41	QPSK	2506	39750	20	100	0	17.897	Fig.10
41	QPSK	2593	40620	20	100	0	17.982	Fig.11
41	QPSK	2680	41490	20	100	0	17.823	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
41	16QAM	2498.5	39675	5	25	0	4.428	Fig.13
41	16QAM	2593	40620	5	25	0	4.463	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.434	Fig.15
41	16QAM	2501	39700	10	50	0	8.879	Fig.16
41	16QAM	2593	40620	10	50	0	8.936	Fig.17
41	16QAM	2685	41540	10	50	0	8.364	Fig.18
41	16QAM	2503.5	39725	15	75	0	13.415	Fig.19
41	16QAM	2593	40620	15	75	0	13.367	Fig.20
41	16QAM	2682.5	41515	15	75	0	13.424	Fig.21
41	16QAM	2506	39750	20	100	0	17.736	Fig.22
41	16QAM	2593	40620	20	100	0	17.860	Fig.23
41	16QAM	2680	41490	20	100	0	17.619	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
41	64QAM	2498.5	39675	5	25	0	4.452	Fig.25
41	64QAM	2593	40620	5	25	0	4.436	Fig.26
41	64QAM	2687.5	41565	5	25	0	4.461	Fig.27
41	64QAM	2501	39700	10	50	0	8.963	Fig.28
41	64QAM	2593	40620	10	50	0	8.771	Fig.29
41	64QAM	2685	41540	10	50	0	8.966	Fig.30
41	64QAM	2503.5	39725	15	75	0	13.496	Fig.31
41	64QAM	2593	40620	15	75	0	13.324	Fig.32
41	64QAM	2682.5	41515	15	75	0	13.300	Fig.33
41	64QAM	2506	39750	20	100	0	17.761	Fig.34
41	64QAM	2593	40620	20	100	0	17.878	Fig.35
41	64QAM	2680	41490	20	100	0	17.739	Fig.36

Test Mode: QPSK

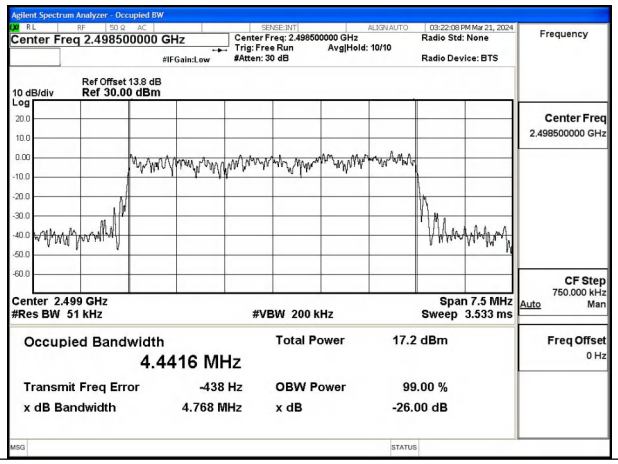


Fig.1

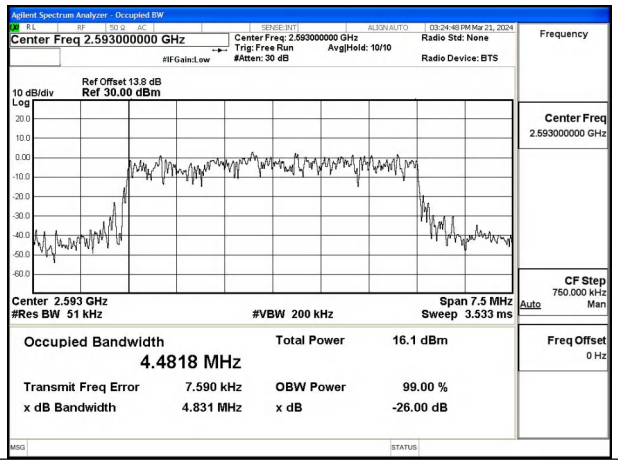


Fig.2

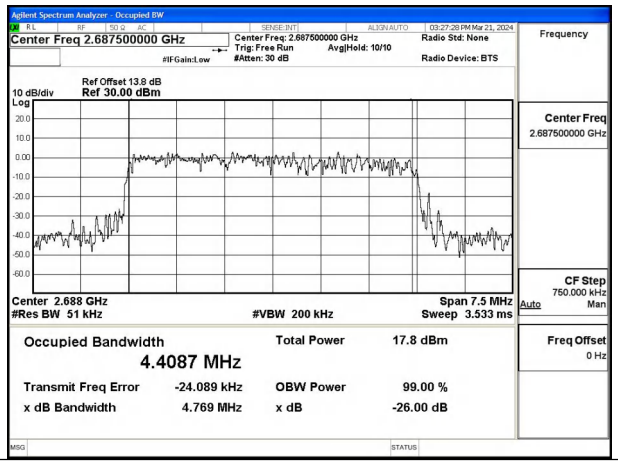


Fig.3

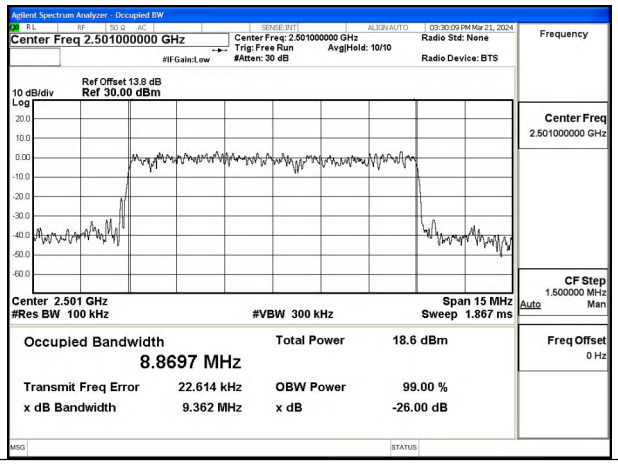


Fig.4

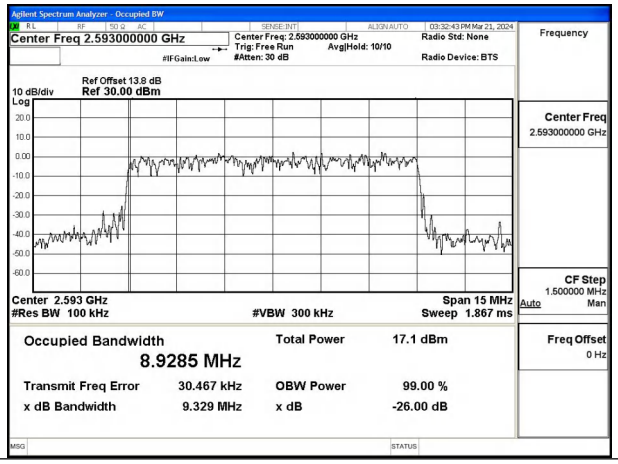


Fig.5

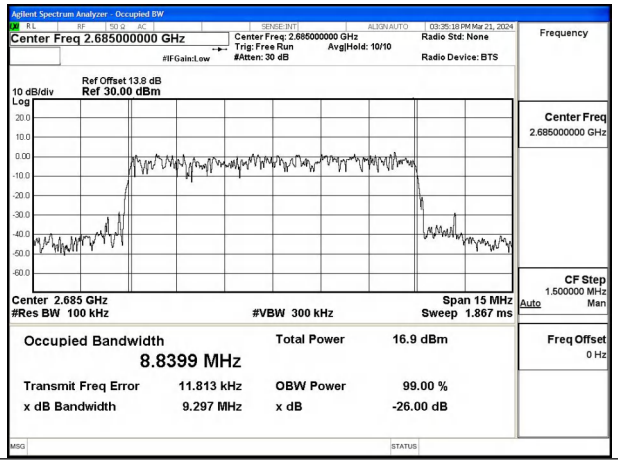


Fig.6

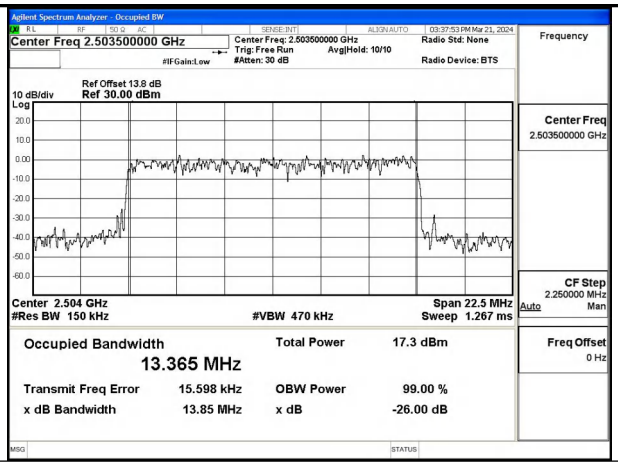


Fig.7

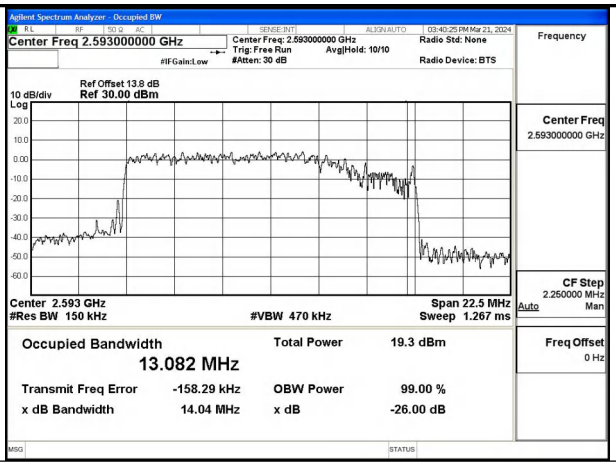


Fig.8

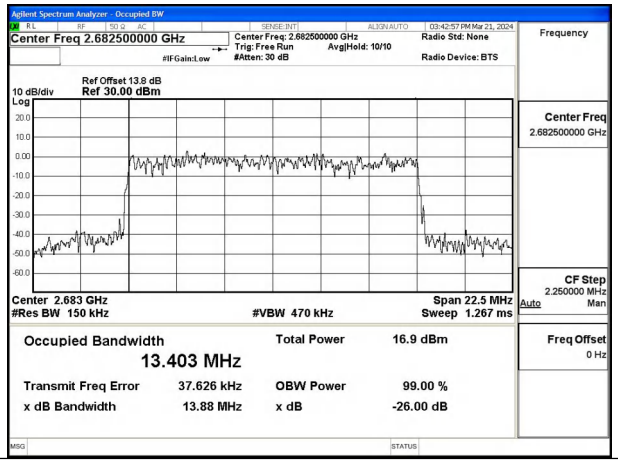


Fig.9

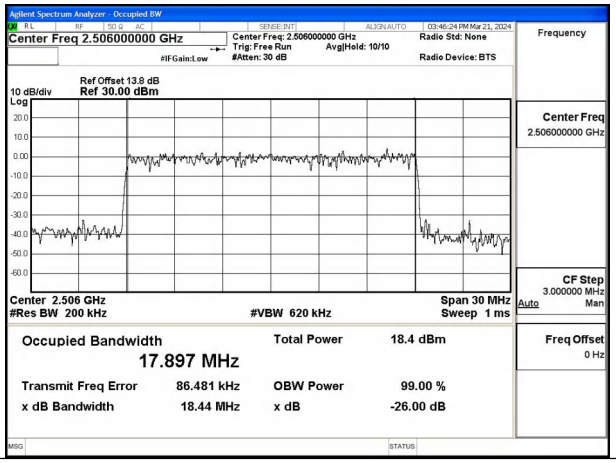


Fig.10

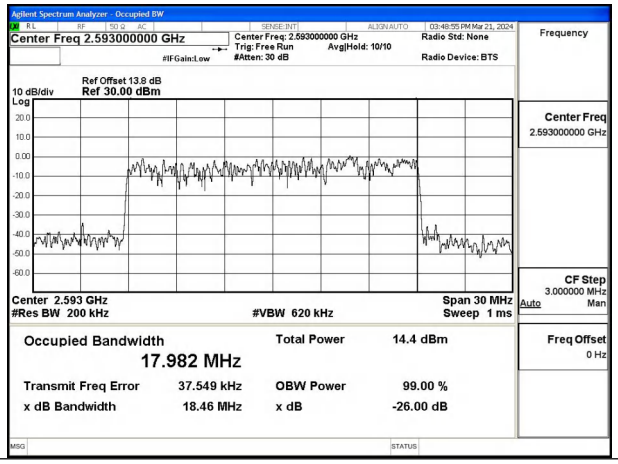


Fig.11

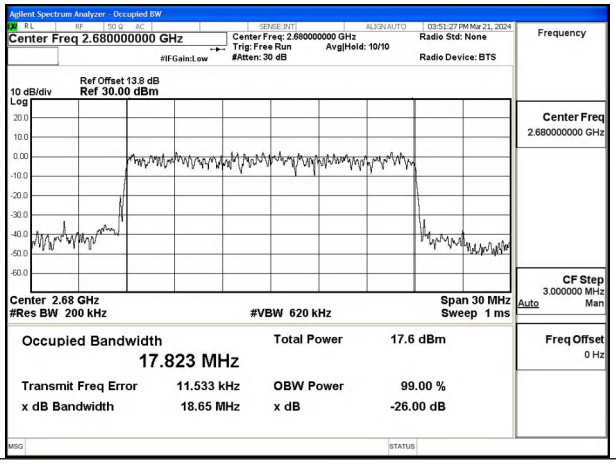


Fig.12

Test Mode: 16QAM

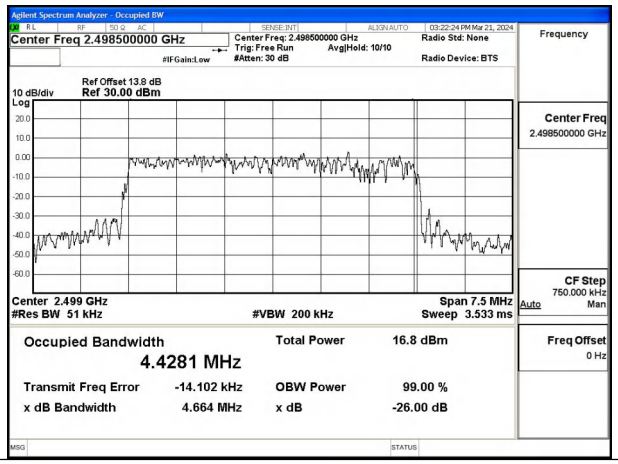


Fig.13

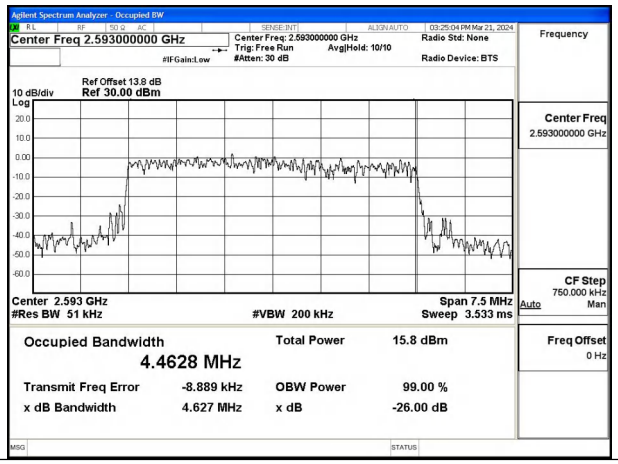
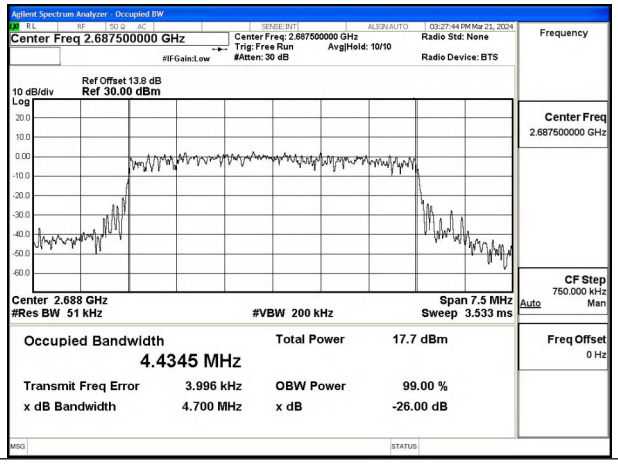


Fig.14



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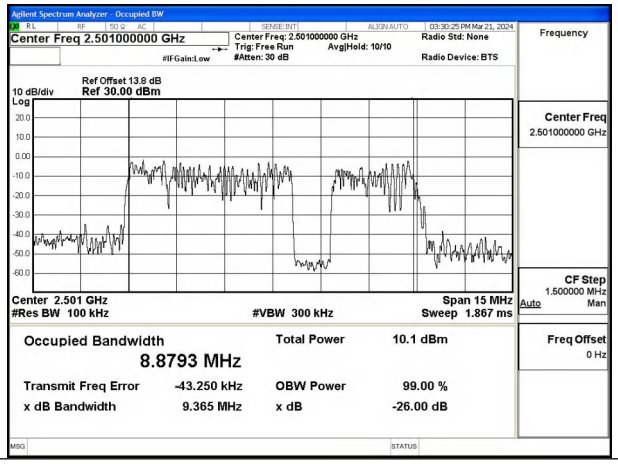
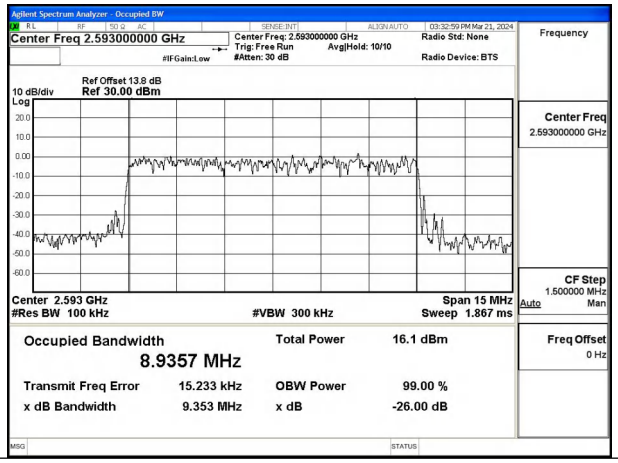


Fig.16



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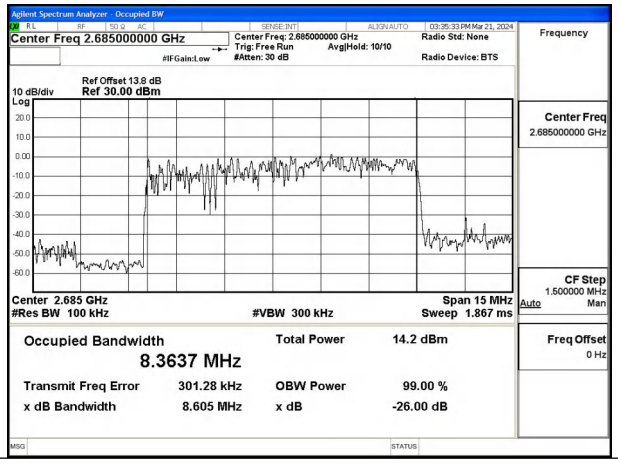
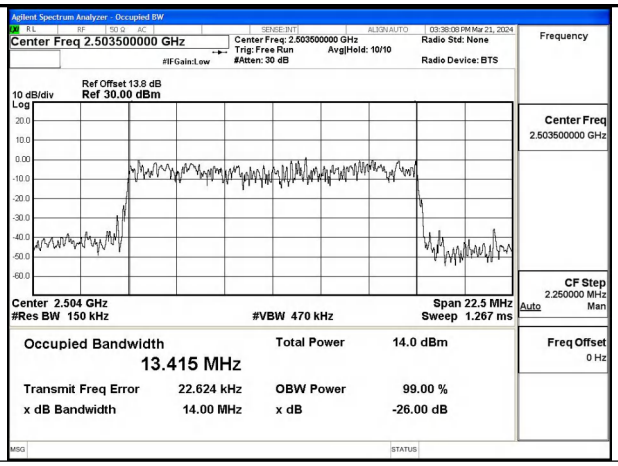


Fig.18



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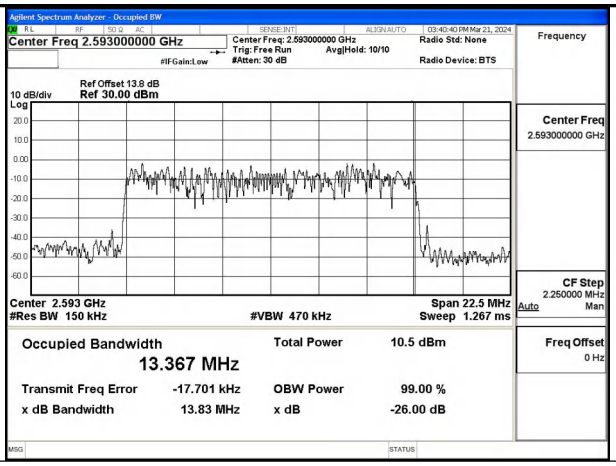


Fig.20

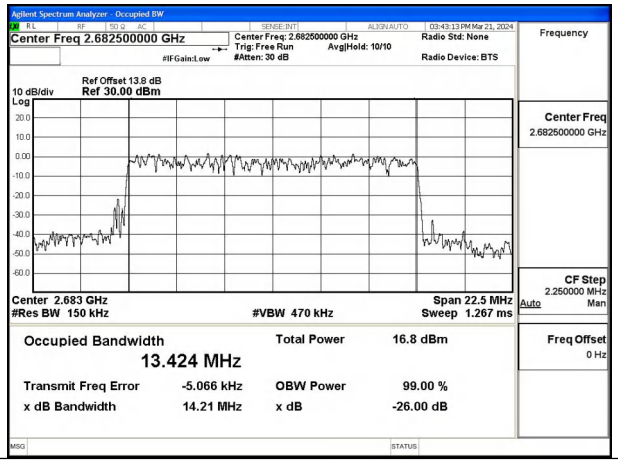
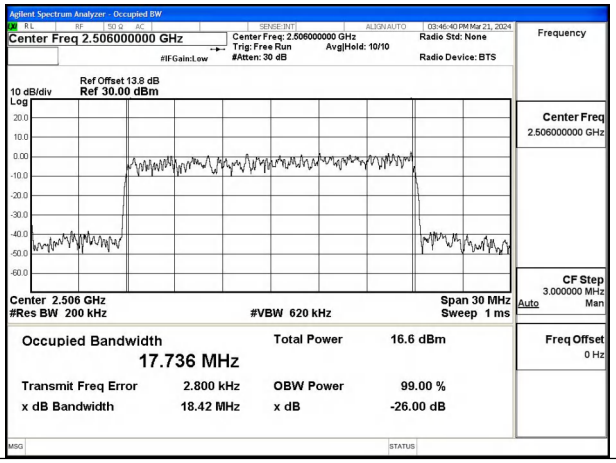


Fig.21



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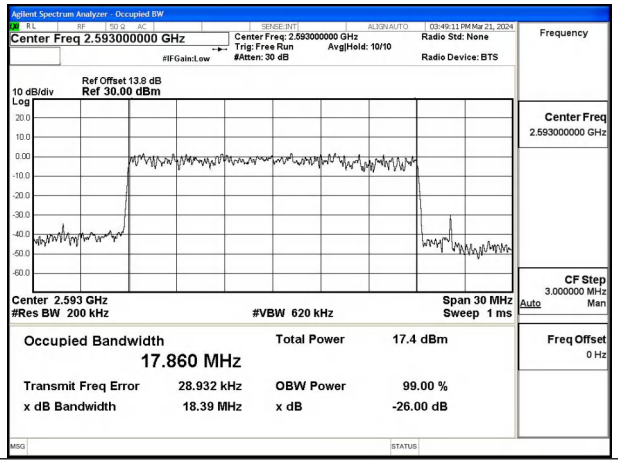

Fig.23

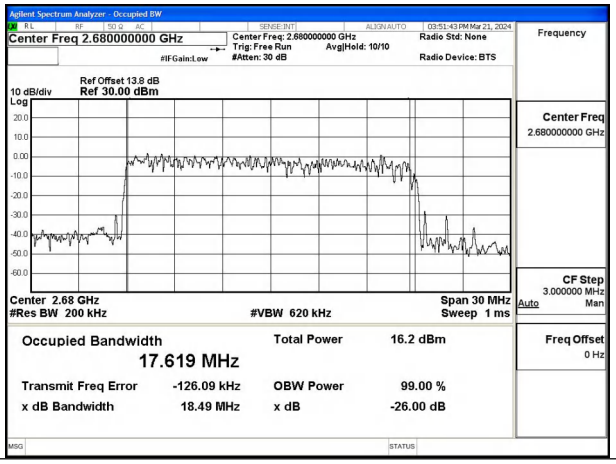

Fig.24

Test Mode: 64QAM

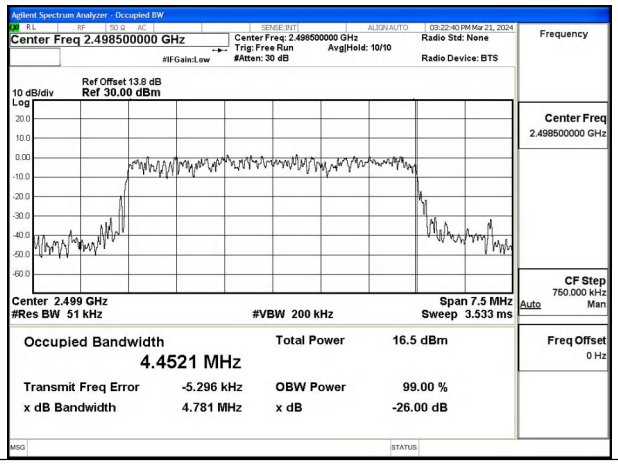

Fig.25

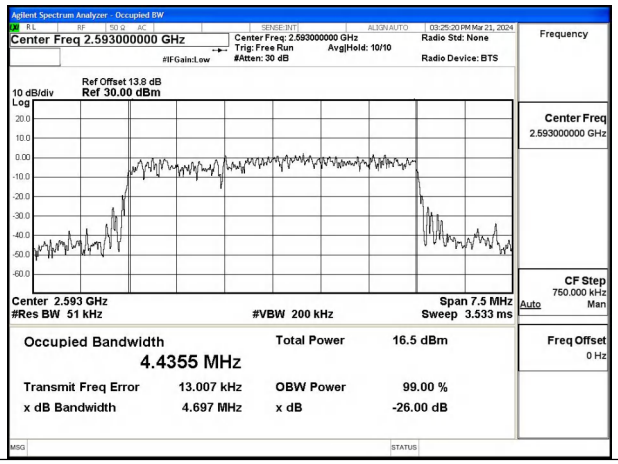

Fig.26

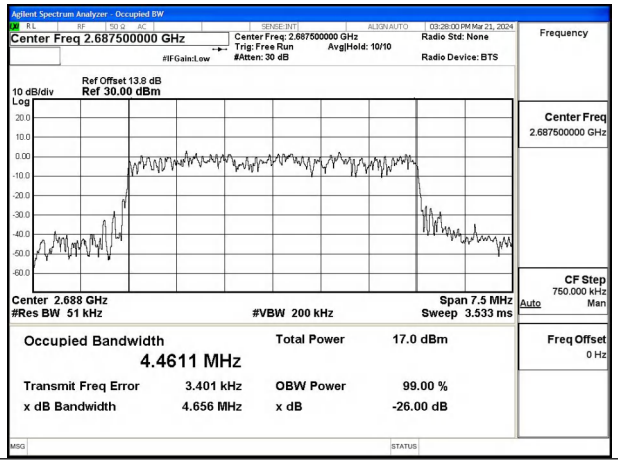

Fig.27

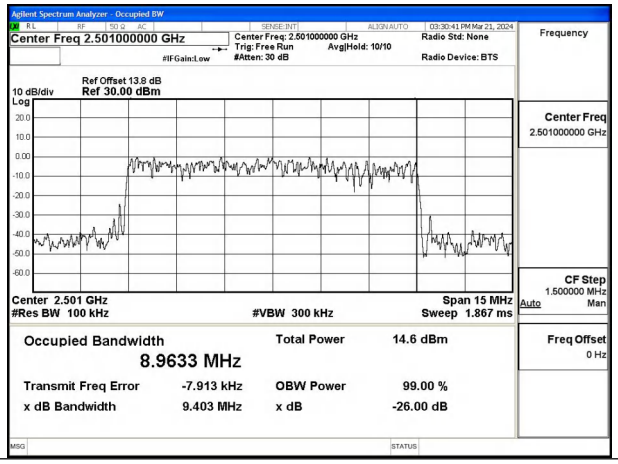

Fig.28

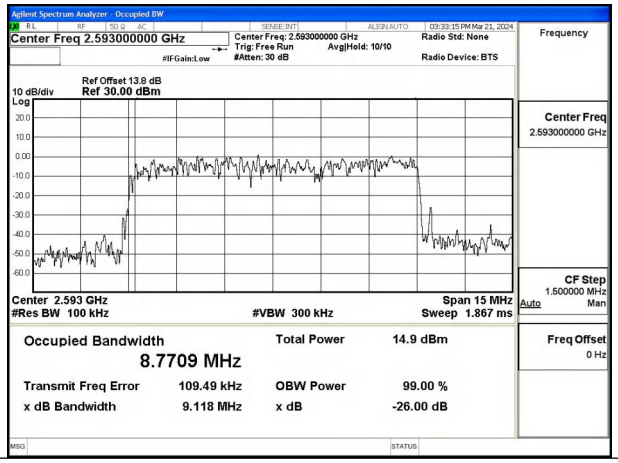

Fig.29

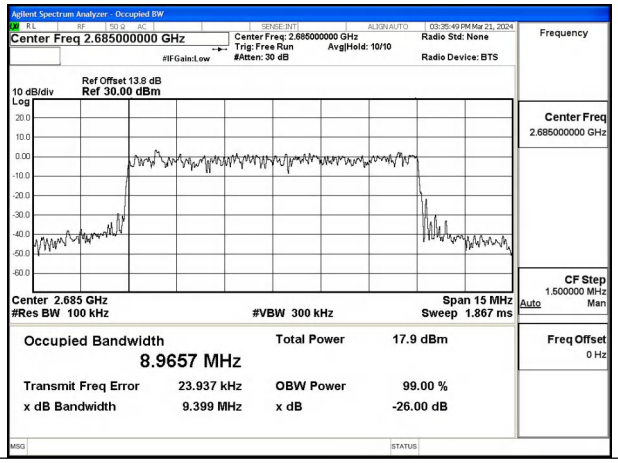

Fig.30

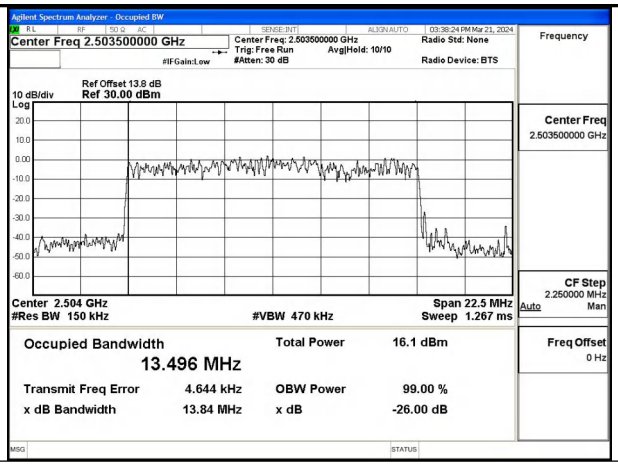

Fig.31

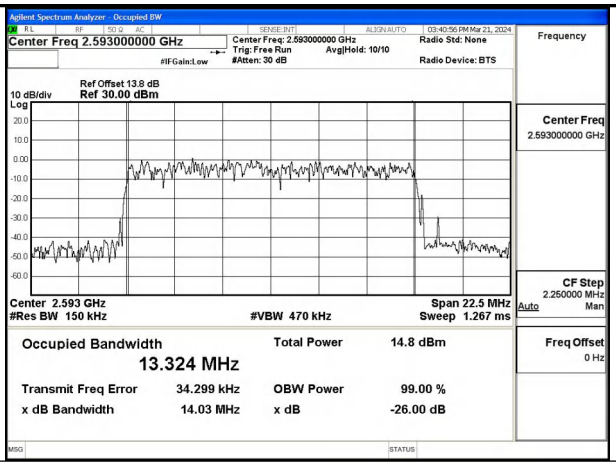

Fig.32

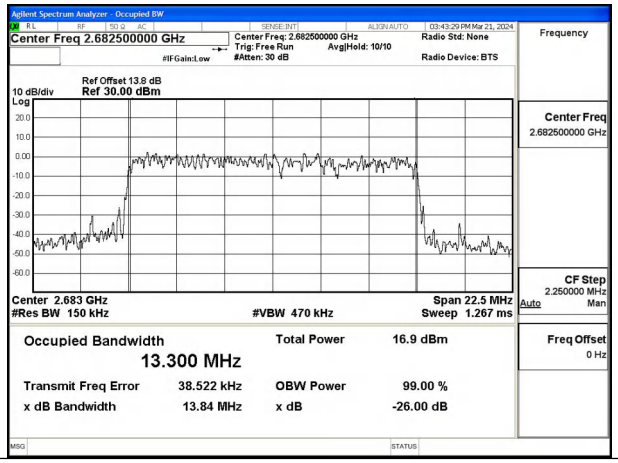

Fig.33

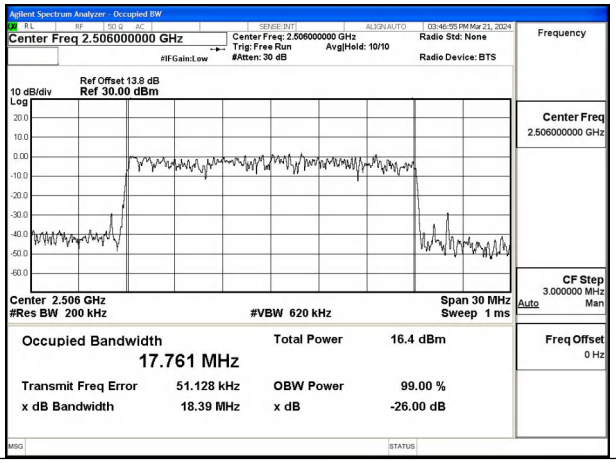

Fig.34

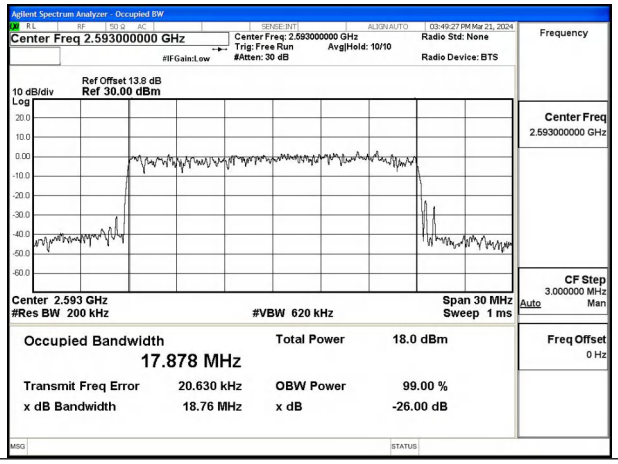

Fig.35

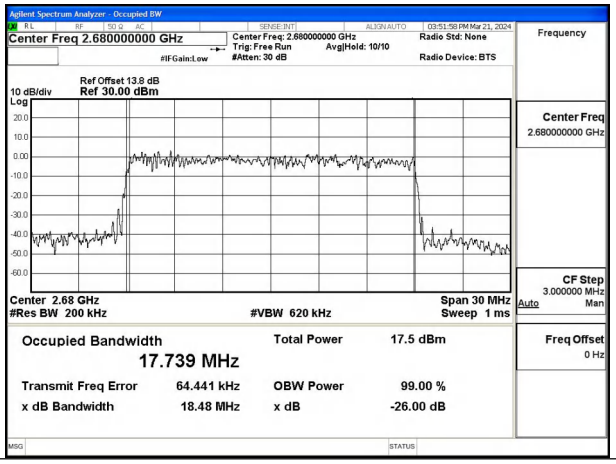

Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
41	QPSK	2498.5	39675	5	25	0	4.768	Fig.1
41	QPSK	2593	40620	5	25	0	4.831	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.769	Fig.3
41	QPSK	2501	39700	10	50	0	9.362	Fig.4
41	QPSK	2593	40620	10	50	0	9.329	Fig.5
41	QPSK	2685	41540	10	50	0	9.297	Fig.6
41	QPSK	2503.5	39725	15	75	0	13.849	Fig.7
41	QPSK	2593	40620	15	75	0	14.043	Fig.8
41	QPSK	2682.5	41515	15	75	0	13.884	Fig.9
41	QPSK	2506	39750	20	100	0	18.444	Fig.10
41	QPSK	2593	40620	20	100	0	18.460	Fig.11
41	QPSK	2680	41490	20	100	0	18.646	Fig.12

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
41	16QAM	2498.5	39675	5	25	0	4.664	Fig.13
41	16QAM	2593	40620	5	25	0	4.627	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.700	Fig.15
41	16QAM	2501	39700	10	50	0	9.365	Fig.16
41	16QAM	2593	40620	10	50	0	9.353	Fig.17
41	16QAM	2685	41540	10	50	0	8.605	Fig.18
41	16QAM	2503.5	39725	15	75	0	14.003	Fig.19
41	16QAM	2593	40620	15	75	0	13.832	Fig.20
41	16QAM	2682.5	41515	15	75	0	14.209	Fig.21
41	16QAM	2506	39750	20	100	0	18.424	Fig.22
41	16QAM	2593	40620	20	100	0	18.394	Fig.23
41	16QAM	2680	41490	20	100	0	18.487	Fig.24

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
41	64QAM	2498.5	39675	5	25	0	4.781	Fig.25
41	64QAM	2593	40620	5	25	0	4.697	Fig.26
41	64QAM	2687.5	41565	5	25	0	4.656	Fig.27
41	64QAM	2501	39700	10	50	0	9.403	Fig.28
41	64QAM	2593	40620	10	50	0	9.118	Fig.29
41	64QAM	2685	41540	10	50	0	9.399	Fig.30
41	64QAM	2503.5	39725	15	75	0	13.837	Fig.31
41	64QAM	2593	40620	15	75	0	14.031	Fig.32
41	64QAM	2682.5	41515	15	75	0	13.845	Fig.33
41	64QAM	2506	39750	20	100	0	18.391	Fig.34
41	64QAM	2593	40620	20	100	0	18.759	Fig.35
41	64QAM	2680	41490	20	100	0	18.485	Fig.36

Test Mode: QPSK

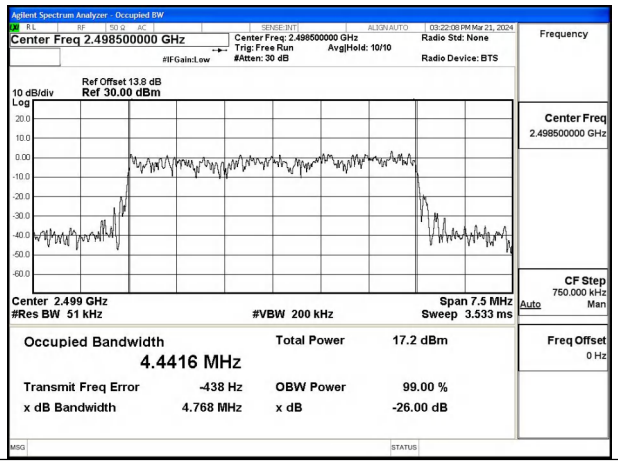

Fig.1

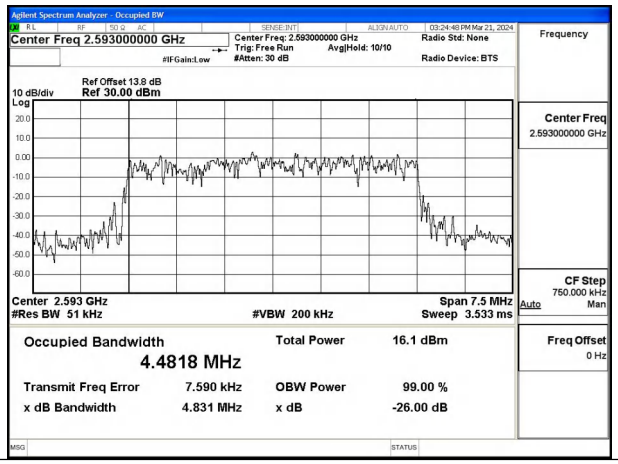

Fig.2

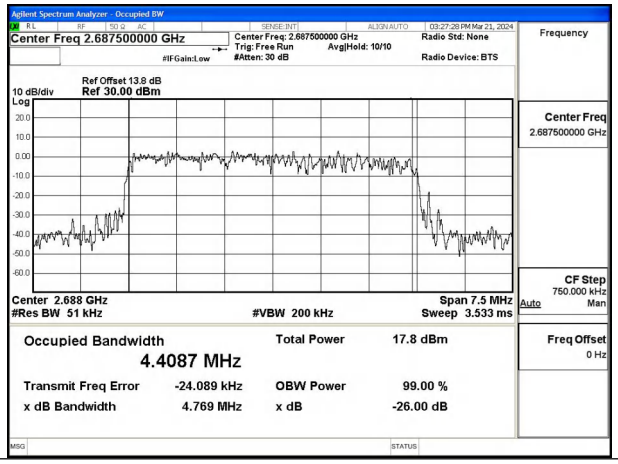

Fig.3

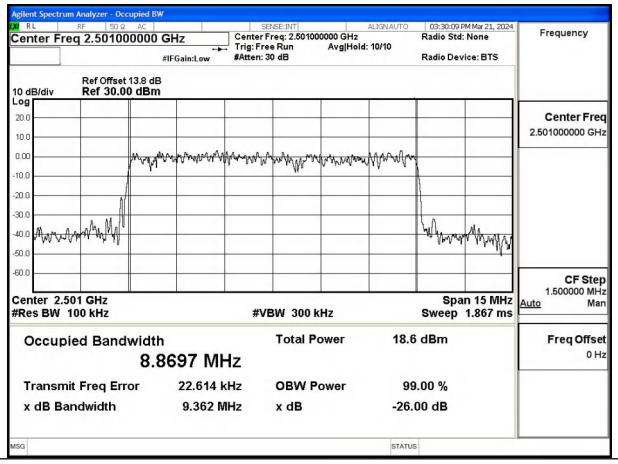

Fig.4

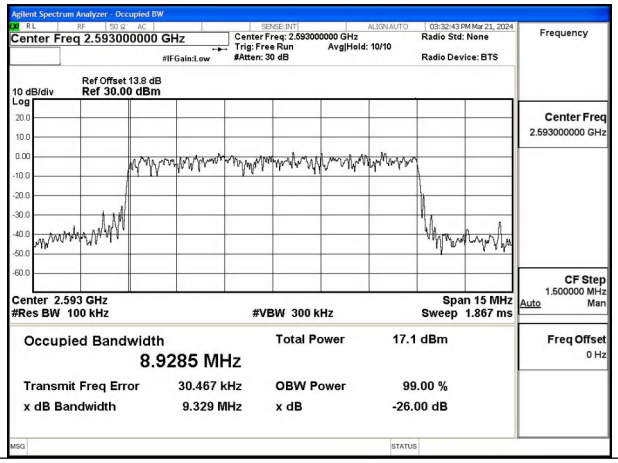

Fig.5

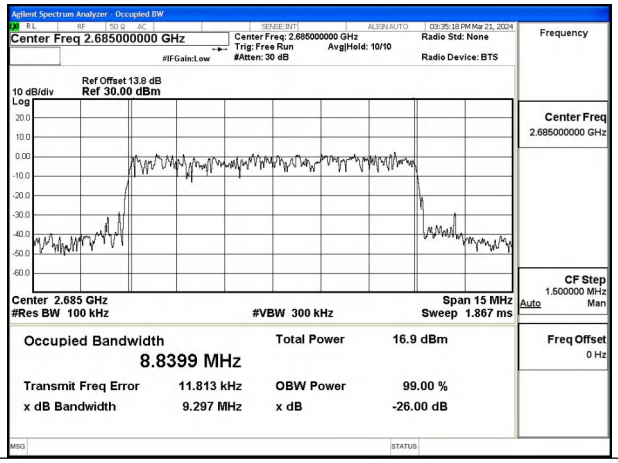

Fig.6

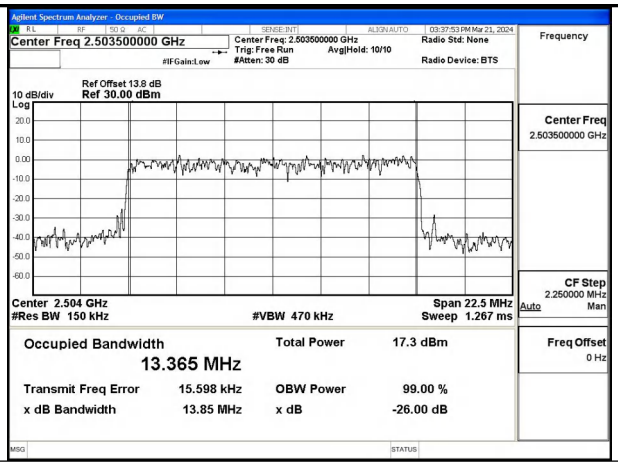

Fig.7

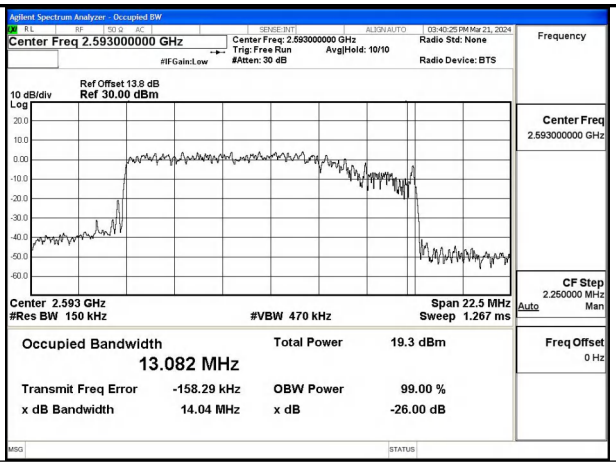

Fig.8

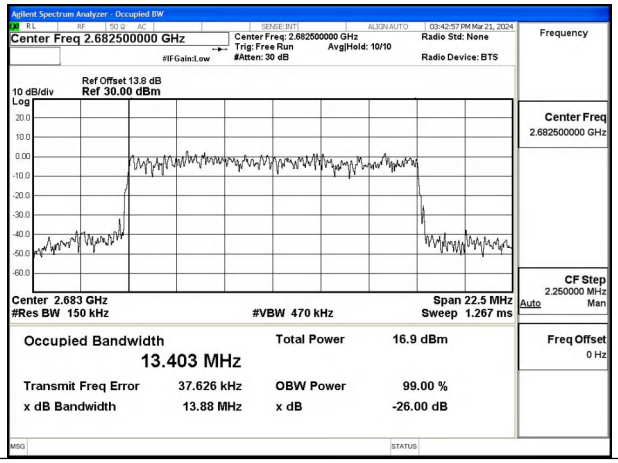

Fig.9

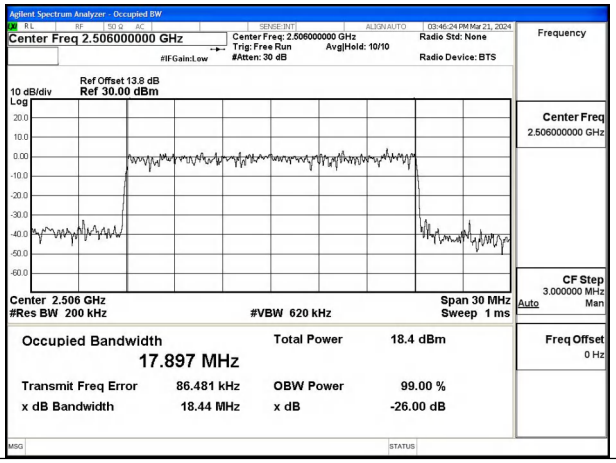

Fig.10

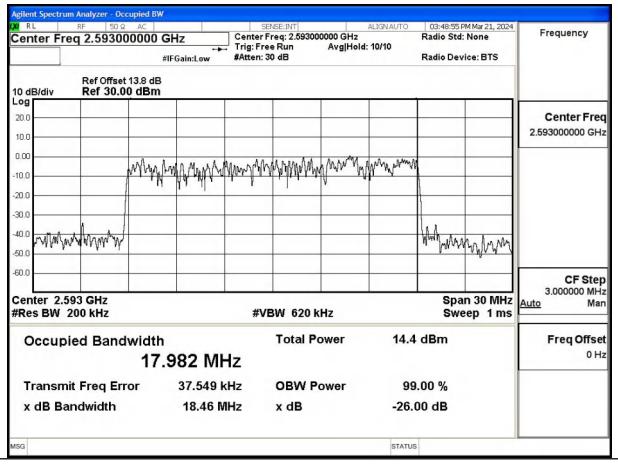

Fig.11

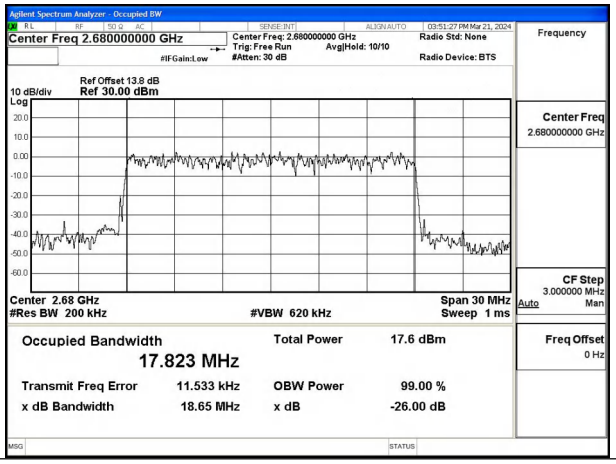

Fig.12

Test Mode: 16QAM

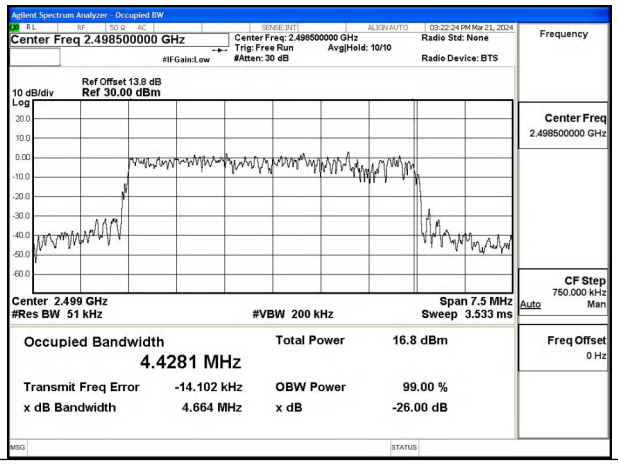

Fig.13

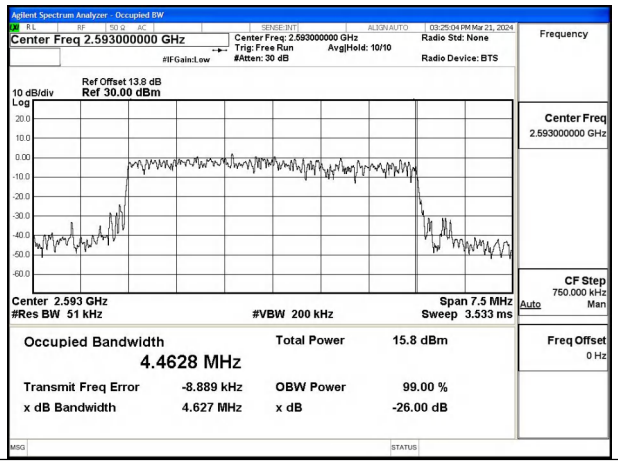

Fig.14

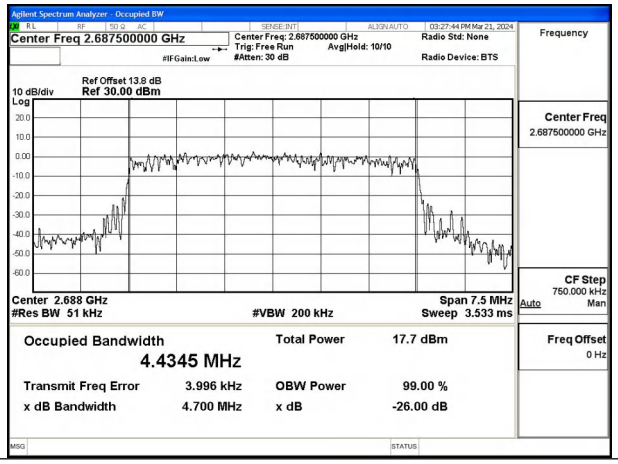

Fig.15

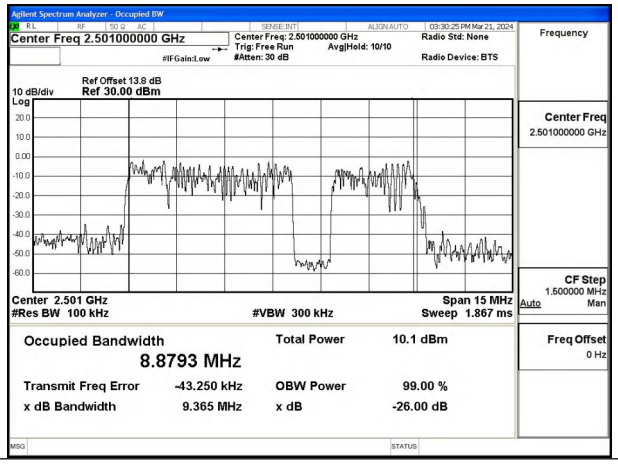

Fig.16

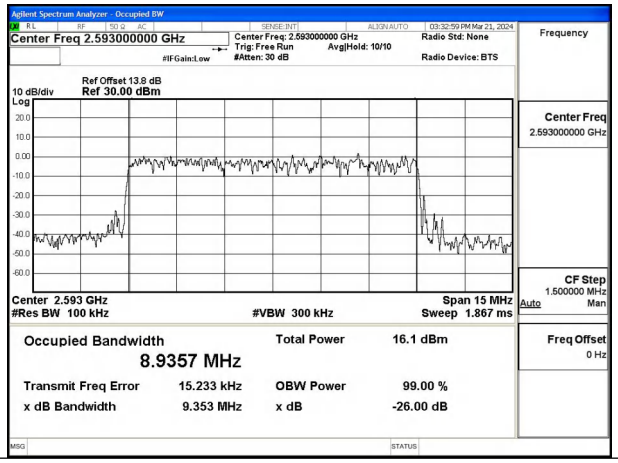

Fig.17

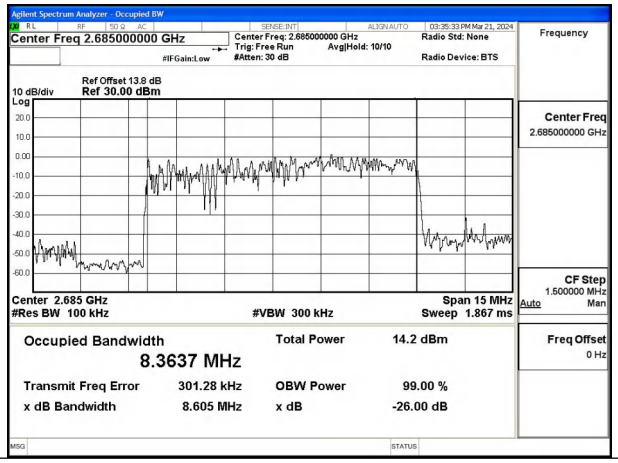

Fig.18

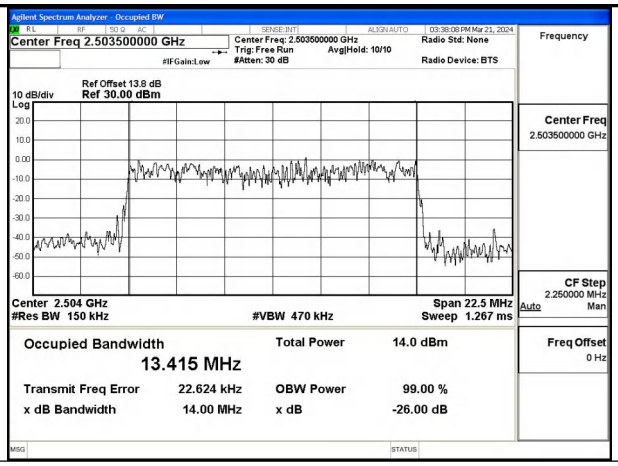

Fig.19

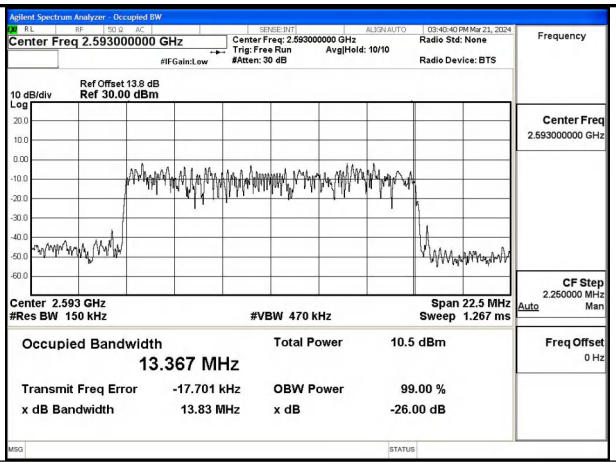

Fig.20

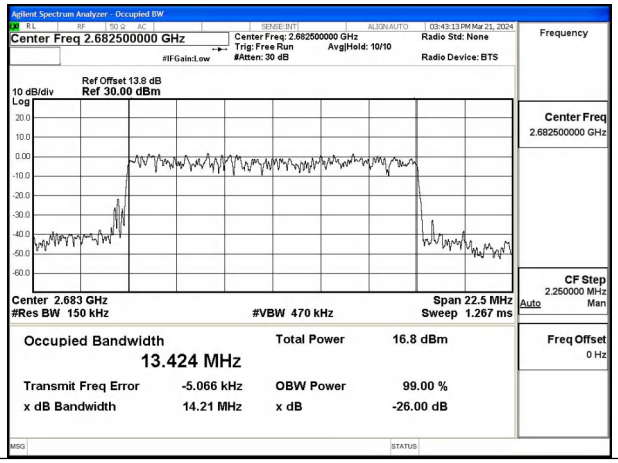

Fig.21

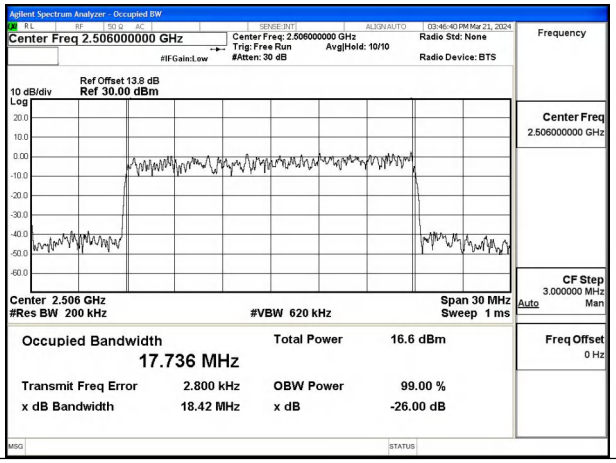

Fig.22

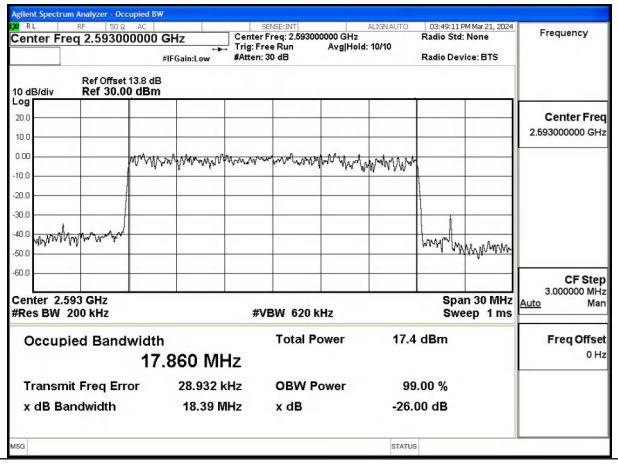

Fig.23

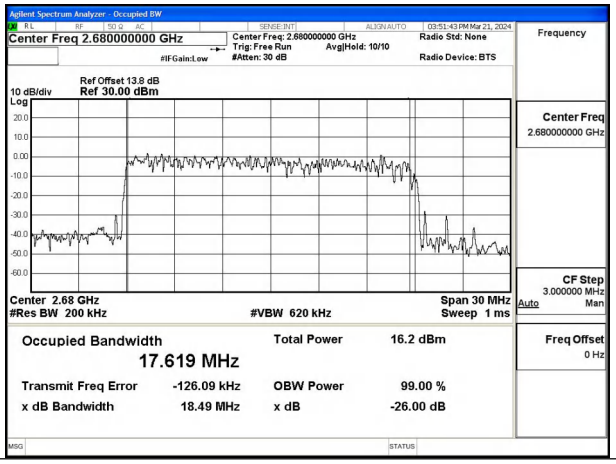

Fig.24

Test Mode: 64QAM

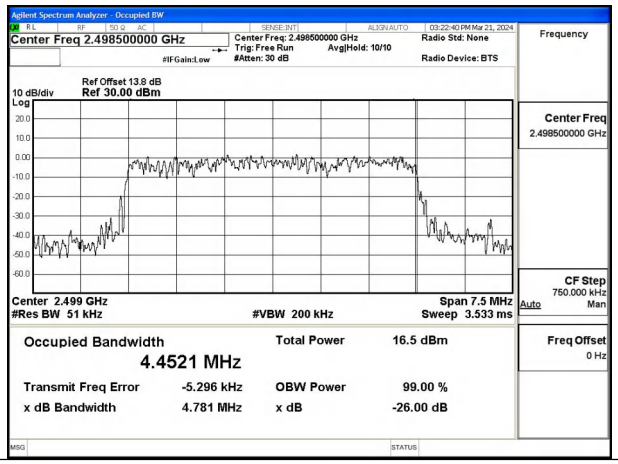

Fig.25

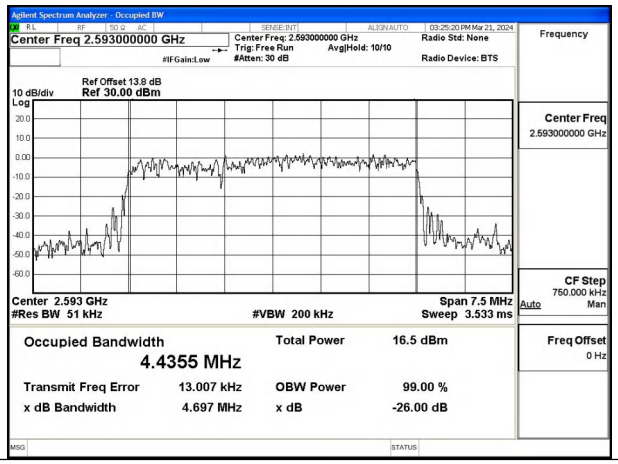

Fig.26

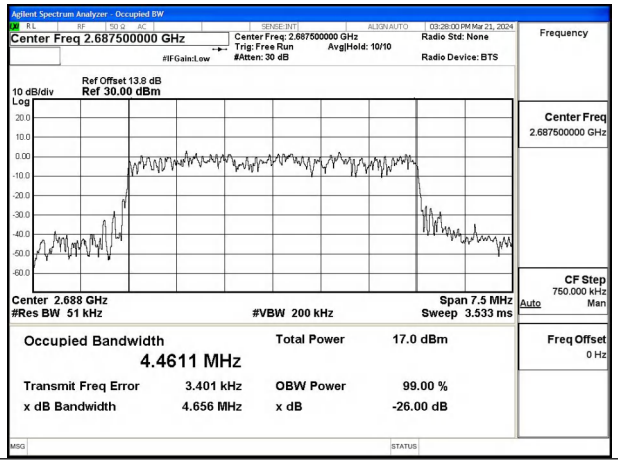

Fig.27

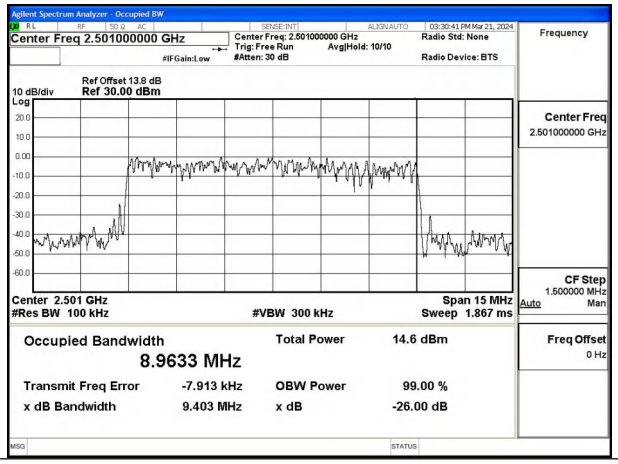

Fig.28

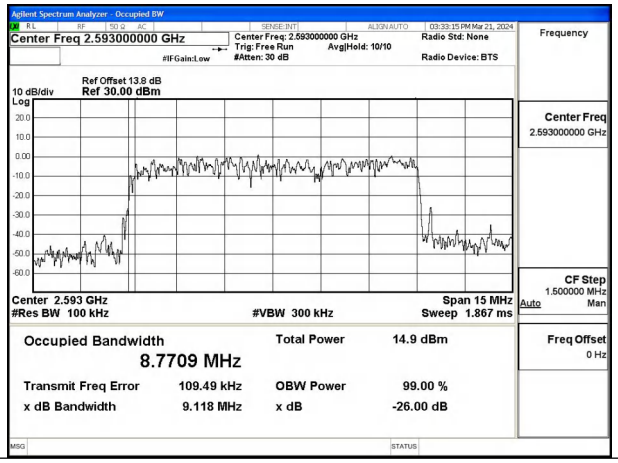

Fig.29

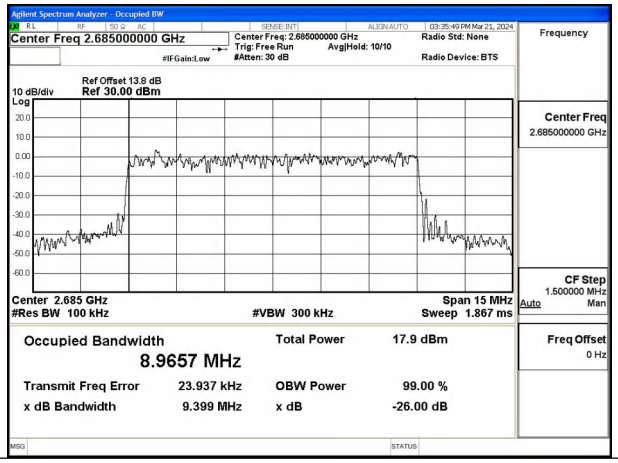

Fig.30