

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	22.75
QPSK	2498.5	39675	5	1	12	22.62
QPSK	2498.5	39675	5	1	24	22.70
QPSK	2498.5	39675	5	12	0	21.74
QPSK	2498.5	39675	5	12	7	21.73
QPSK	2498.5	39675	5	12	13	21.69
QPSK	2498.5	39675	5	25	0	21.81
QPSK	2593	40620	5	1	0	23.07
QPSK	2593	40620	5	1	12	22.90
QPSK	2593	40620	5	1	24	22.88
QPSK	2593	40620	5	12	0	23.10
QPSK	2593	40620	5	12	7	23.07
QPSK	2593	40620	5	12	13	22.91
QPSK	2593	40620	5	25	0	22.98
QPSK	2687.5	41565	5	1	0	21.94
QPSK	2687.5	41565	5	1	12	21.86
QPSK	2687.5	41565	5	1	24	22.05
QPSK	2687.5	41565	5	12	0	21.09
QPSK	2687.5	41565	5	12	7	21.20
QPSK	2687.5	41565	5	12	13	21.12
QPSK	2687.5	41565	5	25	0	21.14

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2498.5	39675	5	1	0	22.11
16QAM	2498.5	39675	5	1	12	21.86
16QAM	2498.5	39675	5	1	24	22.04
16QAM	2498.5	39675	5	12	0	20.81
16QAM	2498.5	39675	5	12	7	20.83
16QAM	2498.5	39675	5	12	13	20.79
16QAM	2498.5	39675	5	25	0	20.76
16QAM	2593	40620	5	1	0	23.35
16QAM	2593	40620	5	1	12	23.26
16QAM	2593	40620	5	1	24	23.21
16QAM	2593	40620	5	12	0	22.15
16QAM	2593	40620	5	12	7	22.12
16QAM	2593	40620	5	12	13	21.97
16QAM	2593	40620	5	25	0	22.02
16QAM	2687.5	41565	5	1	0	21.60
16QAM	2687.5	41565	5	1	12	21.40
16QAM	2687.5	41565	5	1	24	21.62
16QAM	2687.5	41565	5	12	0	20.19
16QAM	2687.5	41565	5	12	7	20.19
16QAM	2687.5	41565	5	12	13	20.14
16QAM	2687.5	41565	5	25	0	20.06
64QAM	2498.5	39675	5	1	0	21.13
64QAM	2498.5	39675	5	1	12	21.15
64QAM	2498.5	39675	5	1	24	21.07
64QAM	2498.5	39675	5	12	0	19.83
64QAM	2498.5	39675	5	12	7	19.82
64QAM	2498.5	39675	5	12	13	19.84
64QAM	2498.5	39675	5	25	0	19.75
64QAM	2593	40620	5	1	0	22.16
64QAM	2593	40620	5	1	12	22.08
64QAM	2593	40620	5	1	24	22.09
64QAM	2593	40620	5	12	0	21.04
64QAM	2593	40620	5	12	7	21.09
64QAM	2593	40620	5	12	13	20.92
64QAM	2593	40620	5	25	0	20.93
64QAM	2687.5	41565	5	1	0	20.42
64QAM	2687.5	41565	5	1	12	20.42
64QAM	2687.5	41565	5	1	24	20.54
64QAM	2687.5	41565	5	12	0	19.19
64QAM	2687.5	41565	5	12	7	19.21
64QAM	2687.5	41565	5	12	13	19.16
64QAM	2687.5	41565	5	25	0	19.15

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2501	39700	10	1	0	22.70
QPSK	2501	39700	10	1	25	22.59
QPSK	2501	39700	10	1	49	22.55
QPSK	2501	39700	10	25	0	21.66
QPSK	2501	39700	10	25	12	21.68
QPSK	2501	39700	10	25	25	21.53
QPSK	2501	39700	10	50	0	21.63
QPSK	2593	40620	10	1	0	22.95
QPSK	2593	40620	10	1	25	22.89
QPSK	2593	40620	10	1	49	22.74
QPSK	2593	40620	10	25	0	23.05
QPSK	2593	40620	10	25	12	23.04
QPSK	2593	40620	10	25	25	22.97
QPSK	2593	40620	10	50	0	22.99
QPSK	2685	41540	10	1	0	22.17
QPSK	2685	41540	10	1	25	22.09
QPSK	2685	41540	10	1	49	22.14
QPSK	2685	41540	10	25	0	21.16
QPSK	2685	41540	10	25	12	21.18
QPSK	2685	41540	10	25	25	21.21
QPSK	2685	41540	10	50	0	21.17

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2501	39700	10	1	0	22.12
16QAM	2501	39700	10	1	25	21.88
16QAM	2501	39700	10	1	49	21.96
16QAM	2501	39700	10	25	0	20.72
16QAM	2501	39700	10	25	12	20.65
16QAM	2501	39700	10	25	25	20.62
16QAM	2501	39700	10	50	0	20.66
16QAM	2593	40620	10	1	0	23.49
16QAM	2593	40620	10	1	25	23.22
16QAM	2593	40620	10	1	49	23.28
16QAM	2593	40620	10	25	0	22.09
16QAM	2593	40620	10	25	12	21.99
16QAM	2593	40620	10	25	25	21.89
16QAM	2593	40620	10	50	0	21.95
16QAM	2685	41540	10	1	0	21.25
16QAM	2685	41540	10	1	25	21.25
16QAM	2685	41540	10	1	49	21.29
16QAM	2685	41540	10	25	0	20.11
16QAM	2685	41540	10	25	12	20.11
16QAM	2685	41540	10	25	25	20.04
16QAM	2685	41540	10	50	0	20.11
64QAM	2501	39700	10	1	0	21.39
64QAM	2501	39700	10	1	25	21.22
64QAM	2501	39700	10	1	49	21.09
64QAM	2501	39700	10	25	0	19.73
64QAM	2501	39700	10	25	12	19.55
64QAM	2501	39700	10	25	25	19.58
64QAM	2501	39700	10	50	0	19.66
64QAM	2593	40620	10	1	0	22.14
64QAM	2593	40620	10	1	25	21.92
64QAM	2593	40620	10	1	49	21.82
64QAM	2593	40620	10	25	0	21.04
64QAM	2593	40620	10	25	12	20.95
64QAM	2593	40620	10	25	25	20.88
64QAM	2593	40620	10	50	0	20.99
64QAM	2685	41540	10	1	0	19.78
64QAM	2685	41540	10	1	25	19.72
64QAM	2685	41540	10	1	49	19.72
64QAM	2685	41540	10	25	0	19.12
64QAM	2685	41540	10	25	12	19.24
64QAM	2685	41540	10	25	25	19.22
64QAM	2685	41540	10	50	0	19.15

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2503.5	39725	15	1	0	22.44
QPSK	2503.5	39725	15	1	37	22.13
QPSK	2503.5	39725	15	1	74	22.21
QPSK	2503.5	39725	15	36	0	21.53
QPSK	2503.5	39725	15	36	29	21.41
QPSK	2503.5	39725	15	36	30	21.30
QPSK	2503.5	39725	15	75	0	21.43
QPSK	2593	40620	15	1	0	22.88
QPSK	2593	40620	15	1	37	22.65
QPSK	2593	40620	15	1	74	22.52
QPSK	2593	40620	15	36	0	23.02
QPSK	2593	40620	15	36	29	22.76
QPSK	2593	40620	15	36	30	22.88
QPSK	2593	40620	15	75	0	22.81
QPSK	2682.5	41515	15	1	0	22.04
QPSK	2682.5	41515	15	1	37	21.83
QPSK	2682.5	41515	15	1	74	21.84
QPSK	2682.5	41515	15	36	0	21.10
QPSK	2682.5	41515	15	36	29	21.04
QPSK	2682.5	41515	15	36	30	20.95
QPSK	2682.5	41515	15	75	0	21.00

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2503.5	39725	15	1	0	21.71
16QAM	2503.5	39725	15	1	37	21.59
16QAM	2503.5	39725	15	1	74	21.46
16QAM	2503.5	39725	15	36	0	20.58
16QAM	2503.5	39725	15	36	29	20.42
16QAM	2503.5	39725	15	36	30	20.37
16QAM	2503.5	39725	15	75	0	20.50
16QAM	2593	40620	15	1	0	23.37
16QAM	2593	40620	15	1	37	23.16
16QAM	2593	40620	15	1	74	22.97
16QAM	2593	40620	15	36	0	21.99
16QAM	2593	40620	15	36	29	21.80
16QAM	2593	40620	15	36	30	21.80
16QAM	2593	40620	15	75	0	21.89
16QAM	2682.5	41515	15	1	0	21.27
16QAM	2682.5	41515	15	1	37	20.99
16QAM	2682.5	41515	15	1	74	21.10
16QAM	2682.5	41515	15	36	0	20.09
16QAM	2682.5	41515	15	36	29	20.03
16QAM	2682.5	41515	15	36	30	20.04
16QAM	2682.5	41515	15	75	0	20.00
64QAM	2503.5	39725	15	1	0	20.99
64QAM	2503.5	39725	15	1	37	20.84
64QAM	2503.5	39725	15	1	74	20.74
64QAM	2503.5	39725	15	36	0	19.57
64QAM	2503.5	39725	15	36	29	19.35
64QAM	2503.5	39725	15	36	30	19.39
64QAM	2503.5	39725	15	75	0	19.53
64QAM	2593	40620	15	1	0	22.08
64QAM	2593	40620	15	1	37	21.87
64QAM	2593	40620	15	1	74	21.65
64QAM	2593	40620	15	36	0	21.09
64QAM	2593	40620	15	36	29	20.81
64QAM	2593	40620	15	36	30	20.84
64QAM	2593	40620	15	75	0	20.86
64QAM	2682.5	41515	15	1	0	20.34
64QAM	2682.5	41515	15	1	37	20.13
64QAM	2682.5	41515	15	1	74	20.11
64QAM	2682.5	41515	15	36	0	19.21
64QAM	2682.5	41515	15	36	29	19.11
64QAM	2682.5	41515	15	36	30	19.10
64QAM	2682.5	41515	15	75	0	19.09

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2506	39750	20	1	0	22.51
QPSK	2506	39750	20	1	49	22.43
QPSK	2506	39750	20	1	99	22.25
QPSK	2506	39750	20	50	0	21.65
QPSK	2506	39750	20	50	24	21.60
QPSK	2506	39750	20	50	50	21.50
QPSK	2506	39750	20	100	0	21.57
QPSK	2593	40620	20	1	0	23.03
QPSK	2593	40620	20	1	49	22.74
QPSK	2593	40620	20	1	99	22.65
QPSK	2593	40620	20	50	0	23.04
QPSK	2593	40620	20	50	24	22.84
QPSK	2593	40620	20	50	50	22.71
QPSK	2593	40620	20	100	0	22.77
QPSK	2680	41490	20	1	0	22.28
QPSK	2680	41490	20	1	49	22.07
QPSK	2680	41490	20	1	99	22.16
QPSK	2680	41490	20	50	0	21.35
QPSK	2680	41490	20	50	24	21.27
QPSK	2680	41490	20	50	50	21.11
QPSK	2680	41490	20	100	0	21.30

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2506	39750	20	1	0	21.88
16QAM	2506	39750	20	1	49	21.69
16QAM	2506	39750	20	1	99	21.68
16QAM	2506	39750	20	50	0	20.67
16QAM	2506	39750	20	50	24	20.53
16QAM	2506	39750	20	50	50	20.42
16QAM	2506	39750	20	100	0	20.55
16QAM	2593	40620	20	1	0	23.36
16QAM	2593	40620	20	1	49	22.81
16QAM	2593	40620	20	1	99	22.66
16QAM	2593	40620	20	50	0	22.27
16QAM	2593	40620	20	50	24	22.20
16QAM	2593	40620	20	50	50	22.01
16QAM	2593	40620	20	100	0	22.11
16QAM	2680	41490	20	1	0	21.27
16QAM	2680	41490	20	1	49	21.00
16QAM	2680	41490	20	1	99	21.13
16QAM	2680	41490	20	50	0	20.38
16QAM	2680	41490	20	50	24	20.39
16QAM	2680	41490	20	50	50	20.22
16QAM	2680	41490	20	100	0	20.31
64QAM	2506	39750	20	1	0	20.72
64QAM	2506	39750	20	1	49	20.53
64QAM	2506	39750	20	1	99	20.34
64QAM	2506	39750	20	50	0	19.75
64QAM	2506	39750	20	50	24	19.64
64QAM	2506	39750	20	50	50	19.50
64QAM	2506	39750	20	100	0	19.62
64QAM	2593	40620	20	1	0	22.48
64QAM	2593	40620	20	1	49	22.15
64QAM	2593	40620	20	1	99	21.94
64QAM	2593	40620	20	50	0	21.31
64QAM	2593	40620	20	50	24	21.19
64QAM	2593	40620	20	50	50	21.07
64QAM	2593	40620	20	100	0	21.18
64QAM	2680	41490	20	1	0	20.83
64QAM	2680	41490	20	1	49	20.34
64QAM	2680	41490	20	1	99	20.45
64QAM	2680	41490	20	50	0	19.41
64QAM	2680	41490	20	50	24	19.35
64QAM	2680	41490	20	50	50	19.23
64QAM	2680	41490	20	100	0	19.44

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	4.469	Fig.1
41	QPSK	2593	40620	5	25	0	4.460	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.498	Fig.3
41	QPSK	2501	39700	10	50	0	8.762	Fig.4
41	QPSK	2593	40620	10	50	0	8.957	Fig.5
41	QPSK	2685	41540	10	50	0	8.936	Fig.6
41	QPSK	2503.5	39725	15	75	0	13.354	Fig.7
41	QPSK	2593	40620	15	75	0	13.289	Fig.8
41	QPSK	2682.5	41515	15	75	0	13.273	Fig.9
41	QPSK	2506	39750	20	100	0	17.785	Fig.10
41	QPSK	2593	40620	20	100	0	17.827	Fig.11
41	QPSK	2680	41490	20	100	0	17.832	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	4.471	Fig.13
41	16QAM	2593	40620	5	25	0	4.424	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.468	Fig.15
41	16QAM	2501	39700	10	50	0	8.854	Fig.16
41	16QAM	2593	40620	10	50	0	8.895	Fig.17
41	16QAM	2685	41540	10	50	0	8.905	Fig.18
41	16QAM	2503.5	39725	15	75	0	13.372	Fig.19
41	16QAM	2593	40620	15	75	0	13.422	Fig.20
41	16QAM	2682.5	41515	15	75	0	13.387	Fig.21
41	16QAM	2506	39750	20	100	0	17.806	Fig.22
41	16QAM	2593	40620	20	100	0	17.896	Fig.23
41	16QAM	2680	41490	20	100	0	17.826	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	4.431	Fig.26
41	64QAM	2687.5	41565	5	25	0	4.425	Fig.27
41	64QAM	2501	39700	10	50	0	8.850	Fig.28
41	64QAM	2593	40620	10	50	0	8.912	Fig.29
41	64QAM	2685	41540	10	50	0	8.913	Fig.30
41	64QAM	2503.5	39725	15	75	0	13.355	Fig.31
41	64QAM	2593	40620	15	75	0	13.374	Fig.32
41	64QAM	2682.5	41515	15	75	0	13.299	Fig.33
41	64QAM	2506	39750	20	100	0	17.886	Fig.34
41	64QAM	2593	40620	20	100	0	17.883	Fig.35
41	64QAM	2680	41490	20	100	0	17.698	Fig.36

Test Mode: QPSK

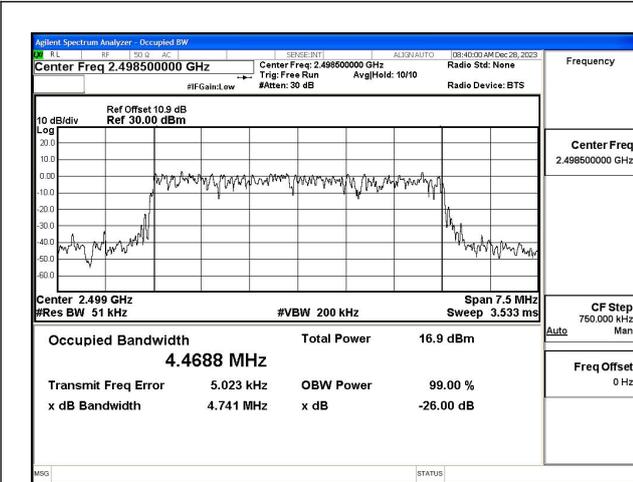


Fig.1

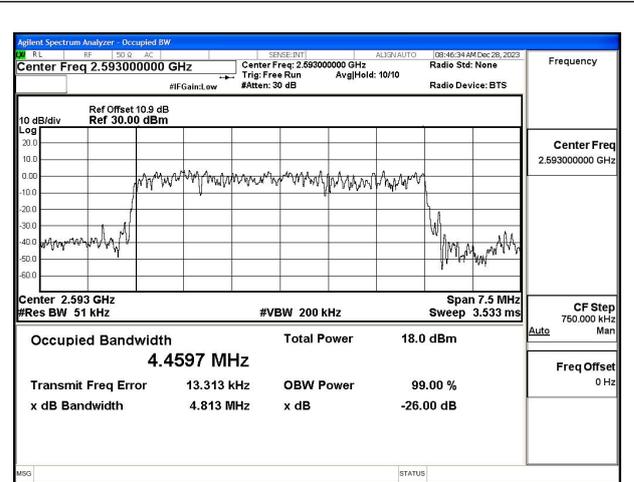


Fig.2

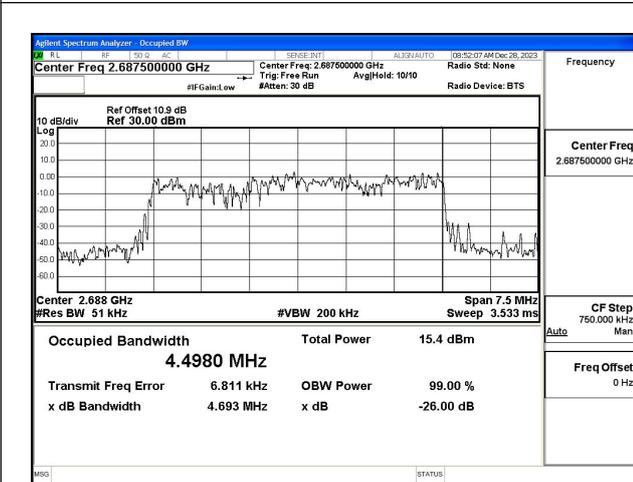


Fig.3

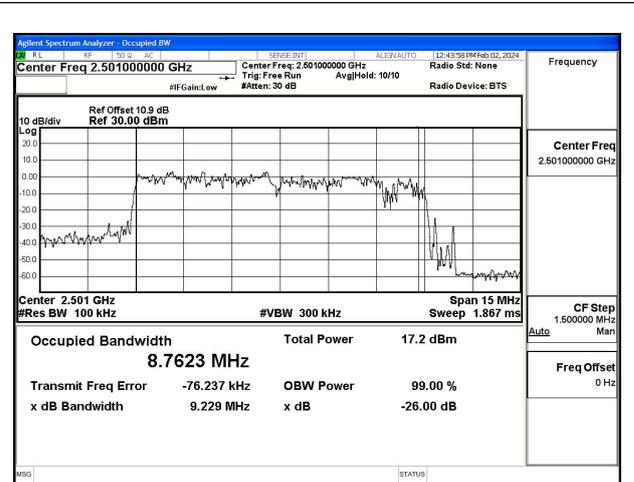


Fig.4

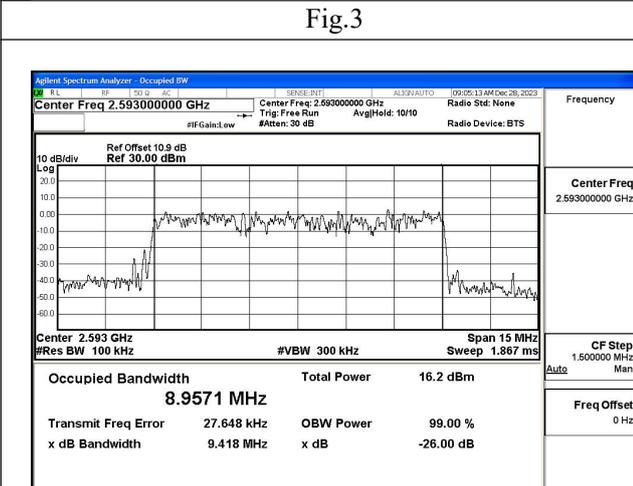


Fig.5

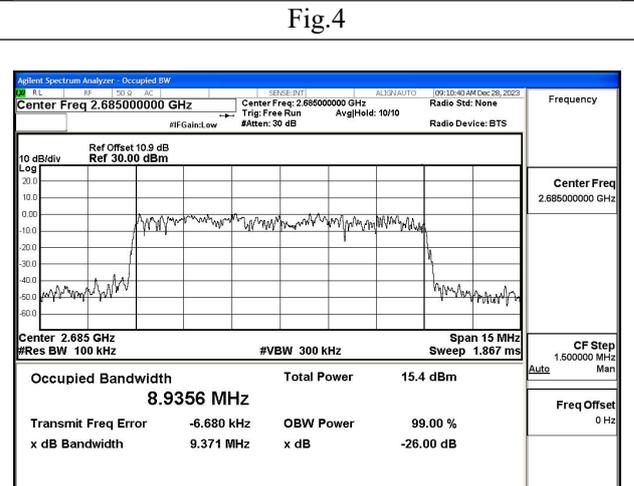


Fig.6

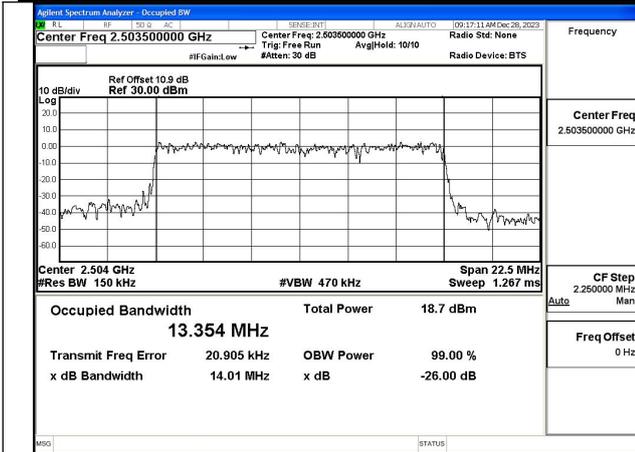


Fig.7

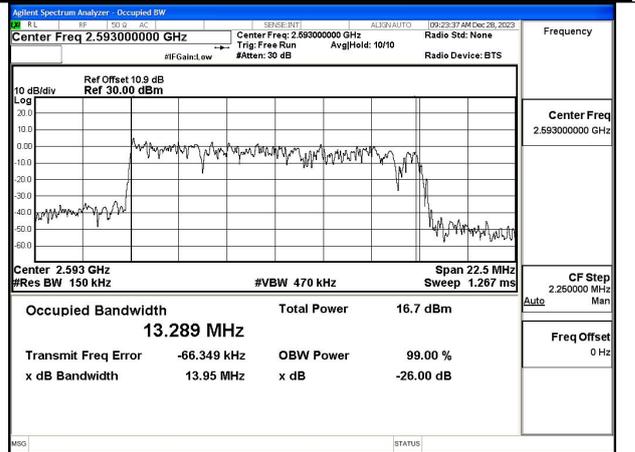


Fig.8



Fig.9

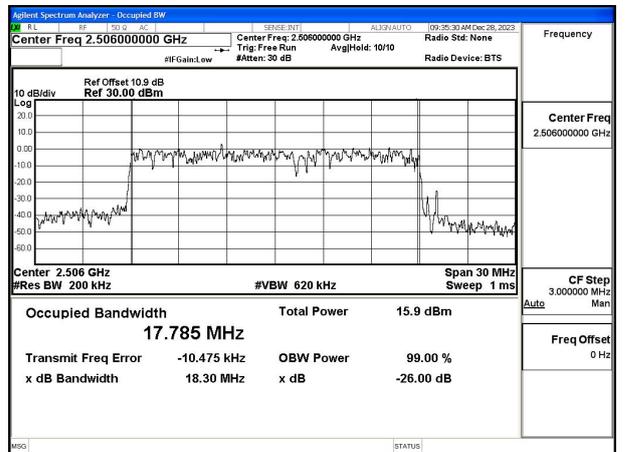


Fig.10

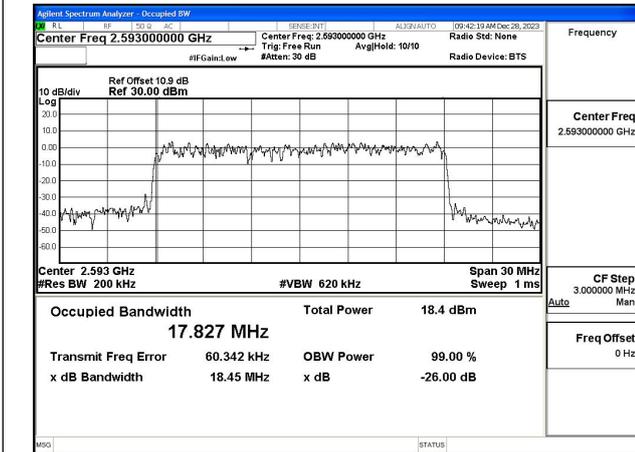


Fig.11

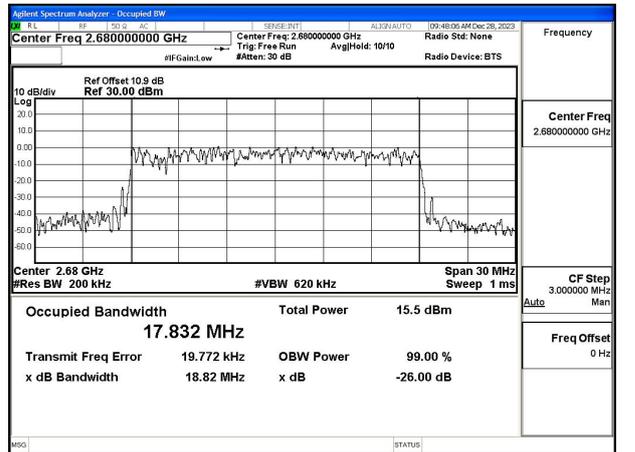


Fig.12

Test Mode: 16QAM

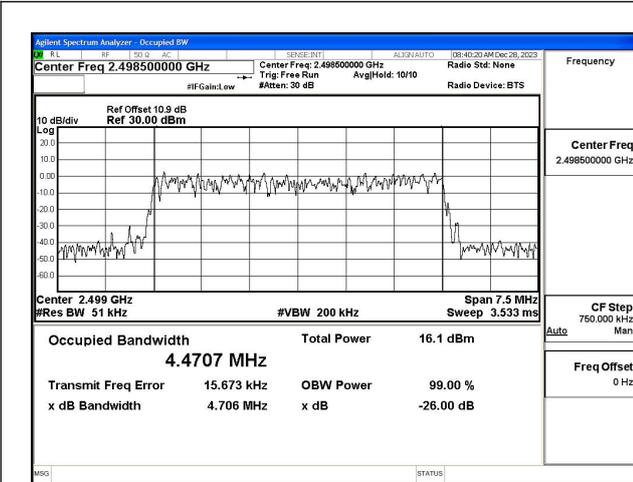


Fig.13

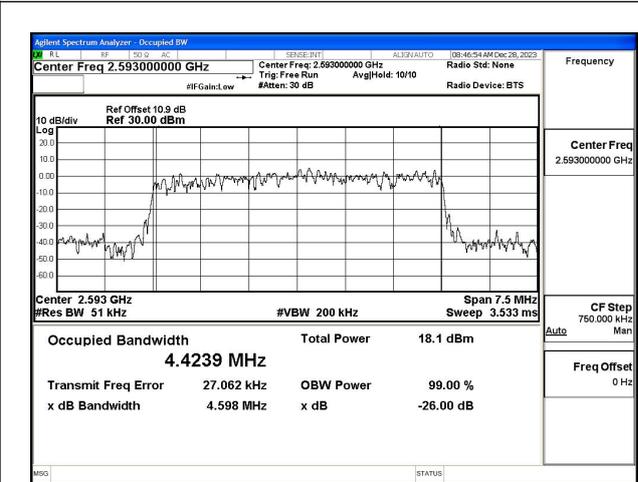


Fig.14

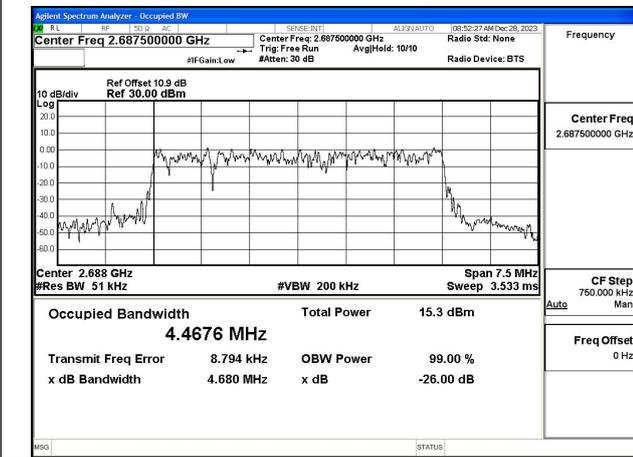


Fig.15

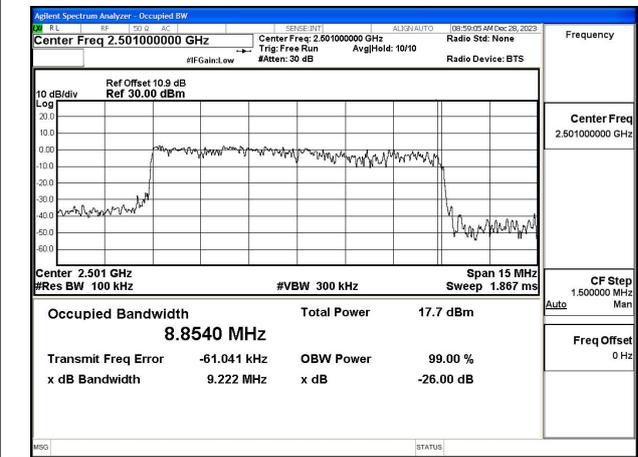


Fig.16

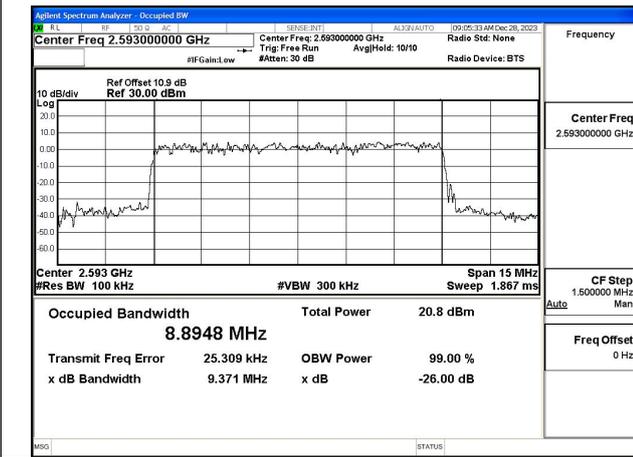


Fig.17

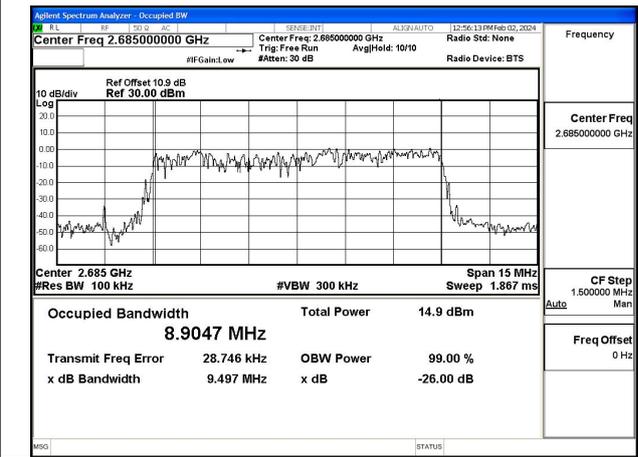


Fig.18

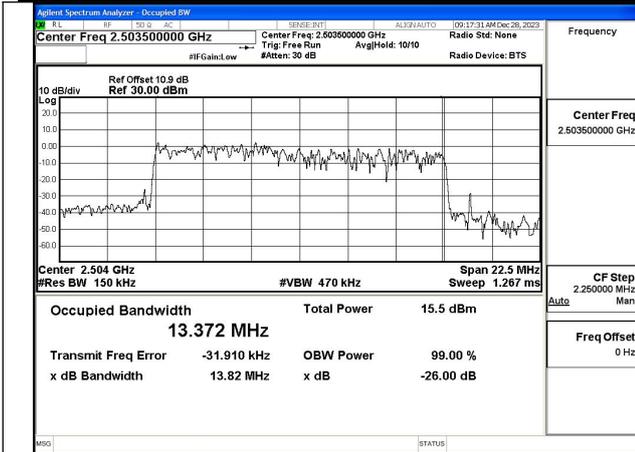


Fig.19

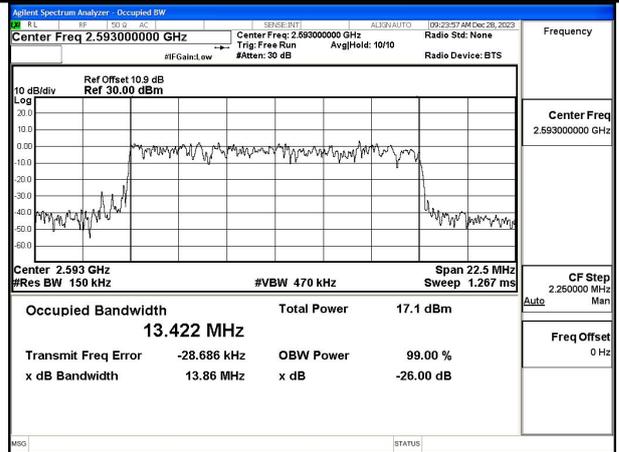


Fig.20



Fig.21

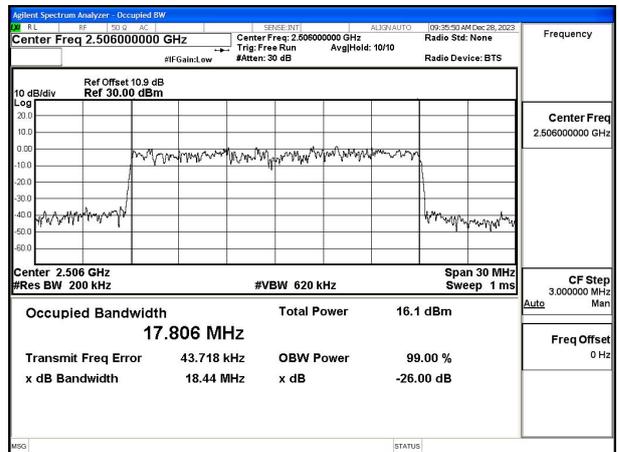


Fig.22

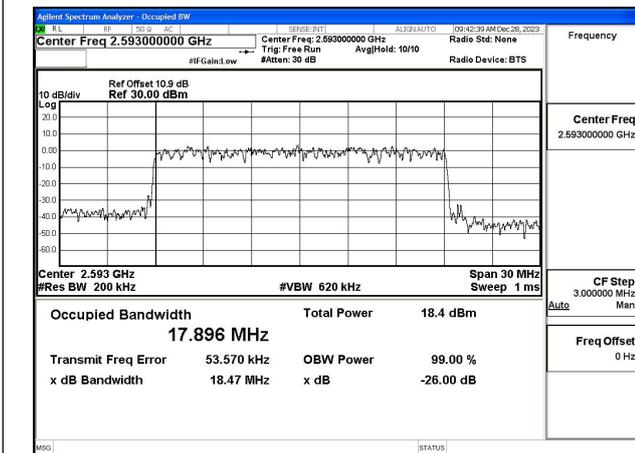


Fig.23

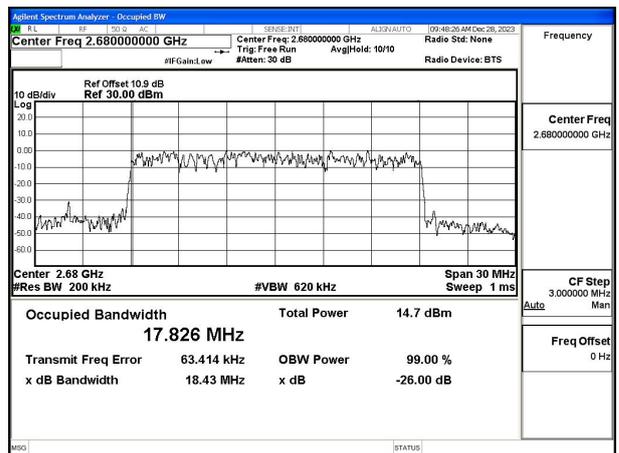


Fig.24

Test Mode: 64QAM

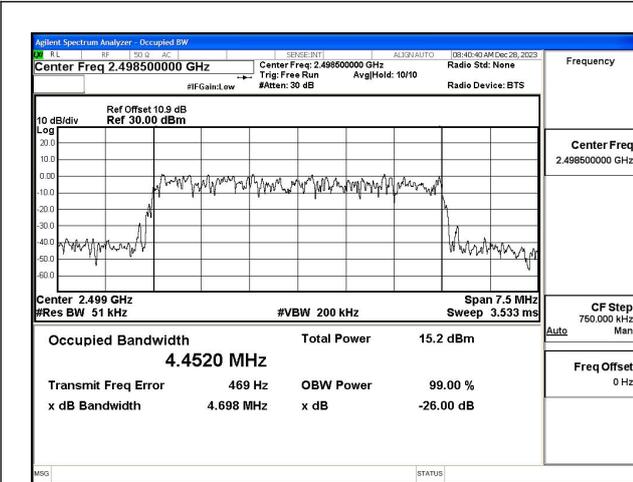


Fig.25

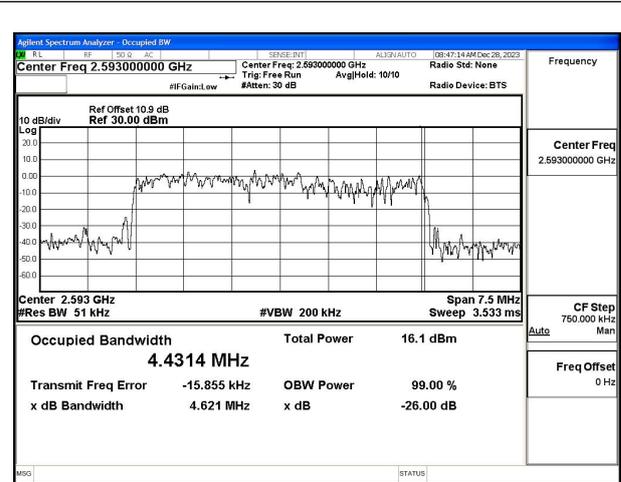


Fig.26

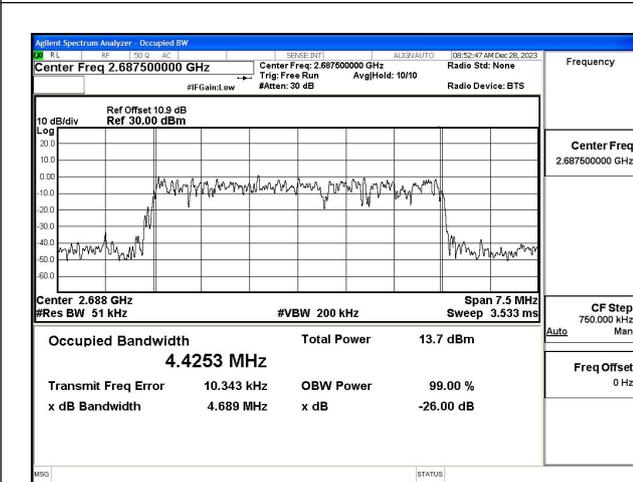


Fig.27

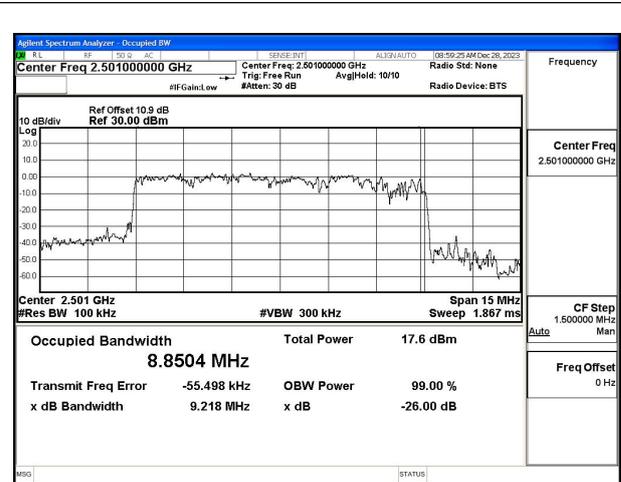


Fig.28

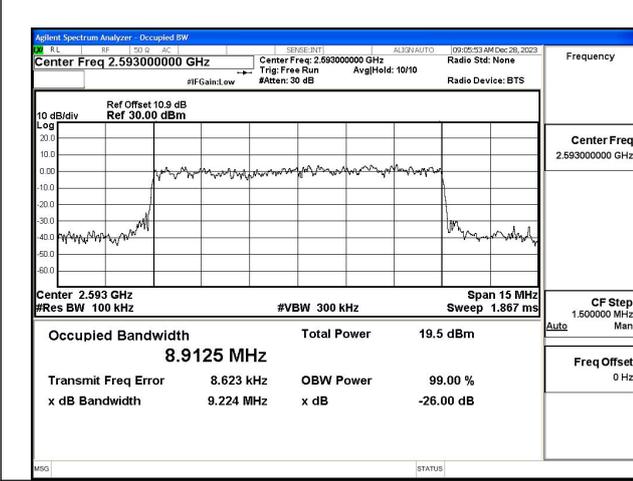


Fig.29

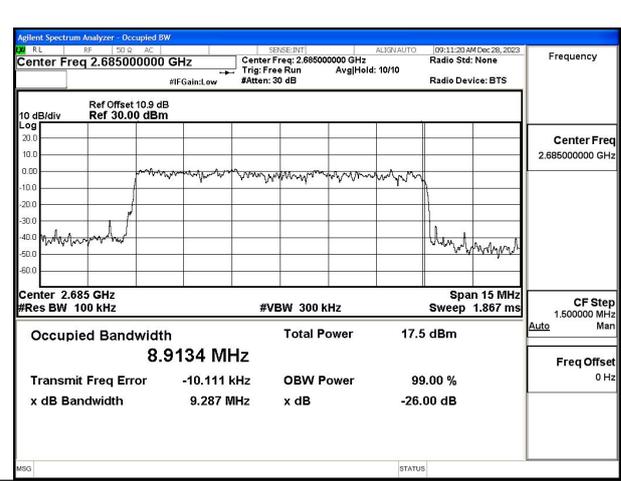


Fig.30



Fig.31

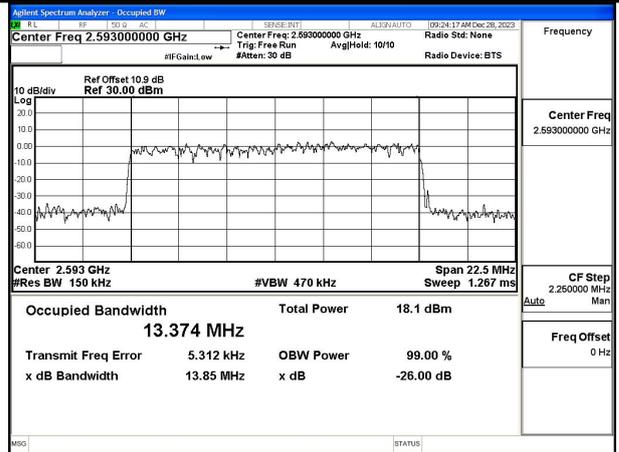


Fig.32

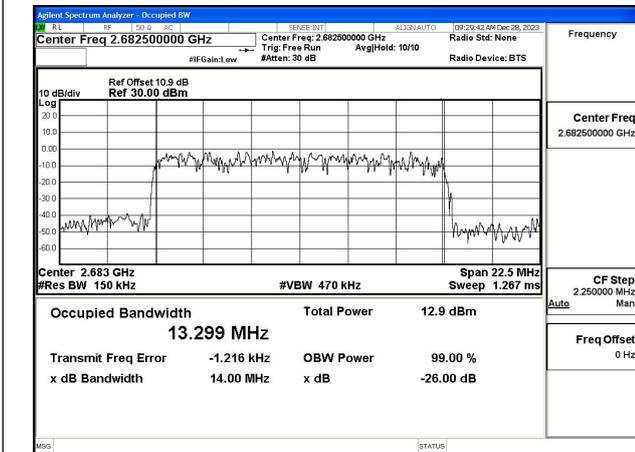


Fig.33

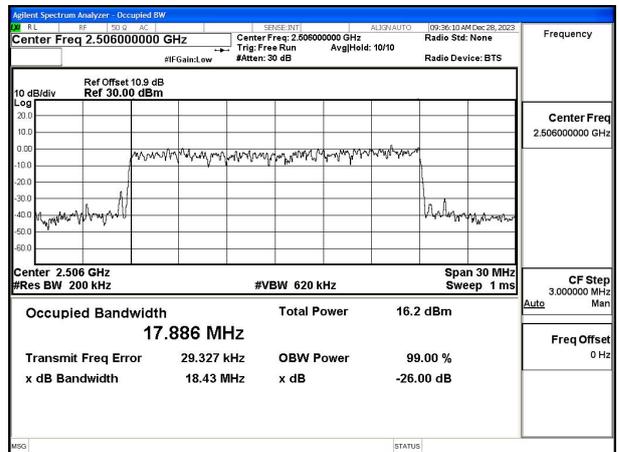


Fig.34

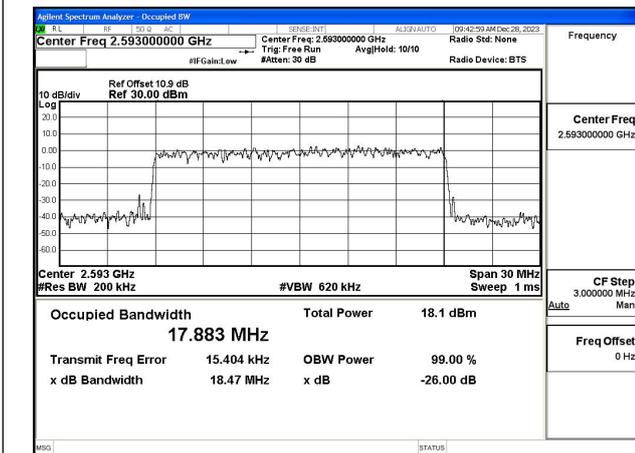


Fig.35

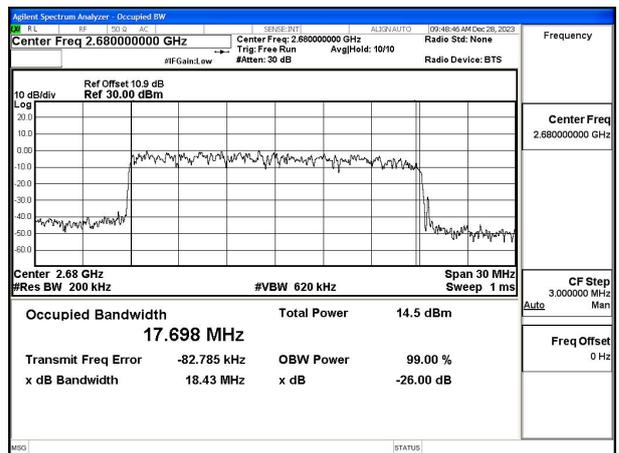


Fig.36

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
41	QPSK	2498.5	39675	5	25	0	4.741	Fig.1
41	QPSK	2593	40620	5	25	0	4.813	Fig.2
41	QPSK	2687.5	41565	5	25	0	4.693	Fig.3
41	QPSK	2501	39700	10	50	0	9.229	Fig.4
41	QPSK	2593	40620	10	50	0	9.418	Fig.5
41	QPSK	2685	41540	10	50	0	9.371	Fig.6
41	QPSK	2503.5	39725	15	75	0	14.008	Fig.7
41	QPSK	2593	40620	15	75	0	13.951	Fig.8
41	QPSK	2682.5	41515	15	75	0	14.019	Fig.9
41	QPSK	2506	39750	20	100	0	18.304	Fig.10
41	QPSK	2593	40620	20	100	0	18.448	Fig.11
41	QPSK	2680	41490	20	100	0	18.824	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	4.706	Fig.13
41	16QAM	2593	40620	5	25	0	4.598	Fig.14
41	16QAM	2687.5	41565	5	25	0	4.680	Fig.15
41	16QAM	2501	39700	10	50	0	9.222	Fig.16
41	16QAM	2593	40620	10	50	0	9.371	Fig.17
41	16QAM	2685	41540	10	50	0	9.497	Fig.18
41	16QAM	2503.5	39725	15	75	0	13.824	Fig.19
41	16QAM	2593	40620	15	75	0	13.859	Fig.20
41	16QAM	2682.5	41515	15	75	0	14.220	Fig.21
41	16QAM	2506	39750	20	100	0	18.436	Fig.22
41	16QAM	2593	40620	20	100	0	18.467	Fig.23
41	16QAM	2680	41490	20	100	0	18.432	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	4.698	Fig.25
41	64QAM	2593	40620	5	25	0	4.621	Fig.26
41	64QAM	2687.5	41565	5	25	0	4.689	Fig.27
41	64QAM	2501	39700	10	50	0	9.218	Fig.28
41	64QAM	2593	40620	10	50	0	9.224	Fig.29
41	64QAM	2685	41540	10	50	0	9.287	Fig.30
41	64QAM	2503.5	39725	15	75	0	14.008	Fig.31
41	64QAM	2593	40620	15	75	0	13.854	Fig.32
41	64QAM	2682.5	41515	15	75	0	14.004	Fig.33
41	64QAM	2506	39750	20	100	0	18.427	Fig.34
41	64QAM	2593	40620	20	100	0	18.472	Fig.35
41	64QAM	2680	41490	20	100	0	18.427	Fig.36

Test Mode: QPSK

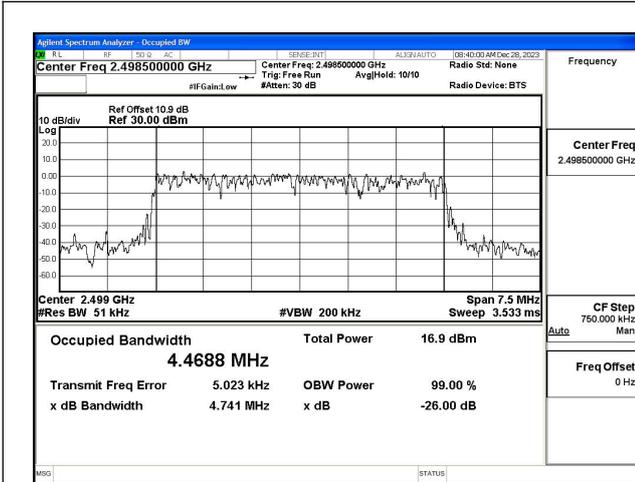


Fig.1

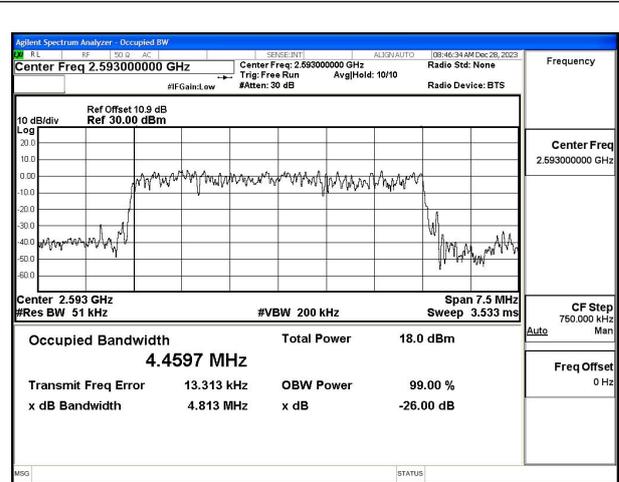


Fig.2

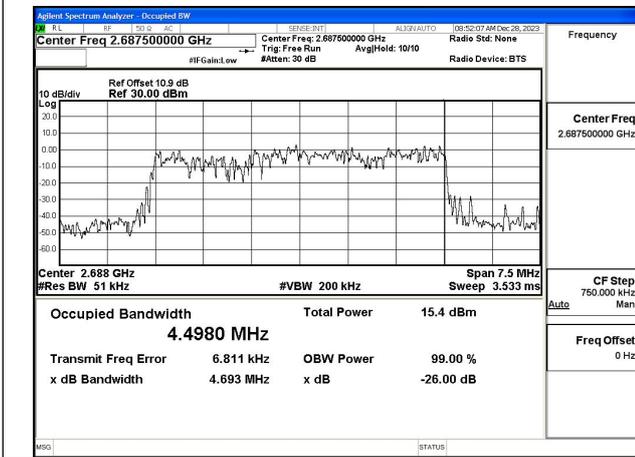


Fig.3

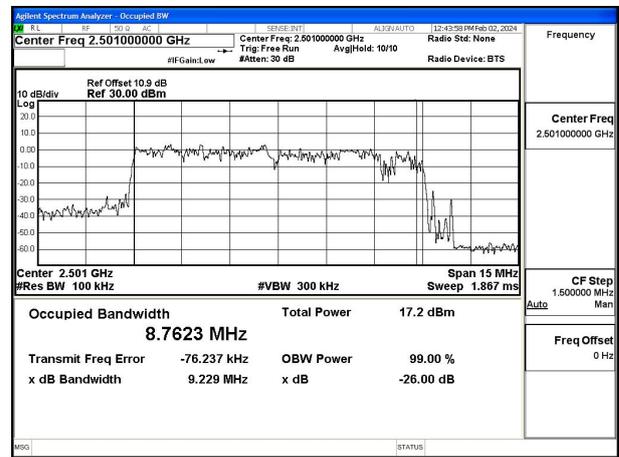


Fig.4

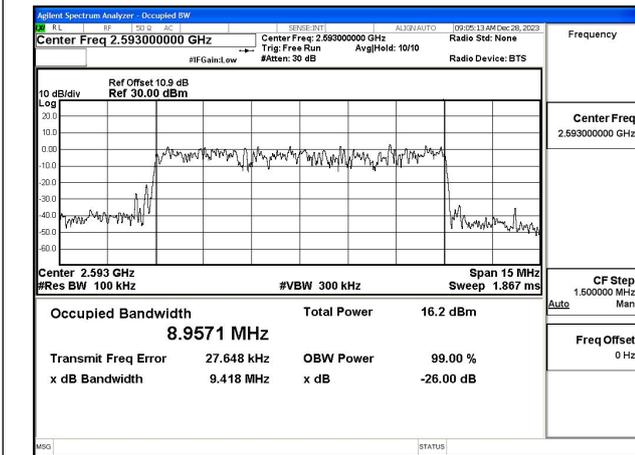


Fig.5

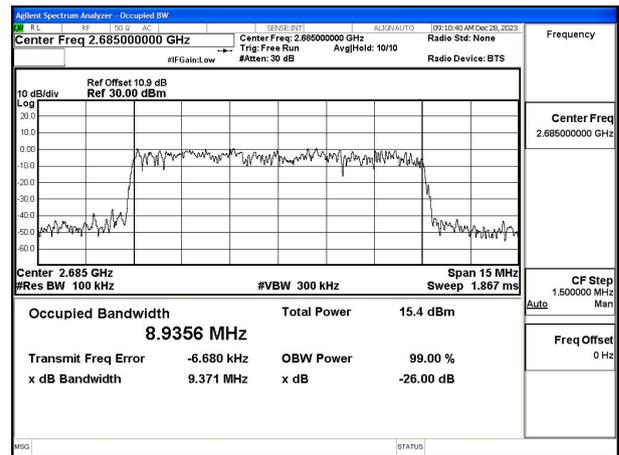


Fig.6